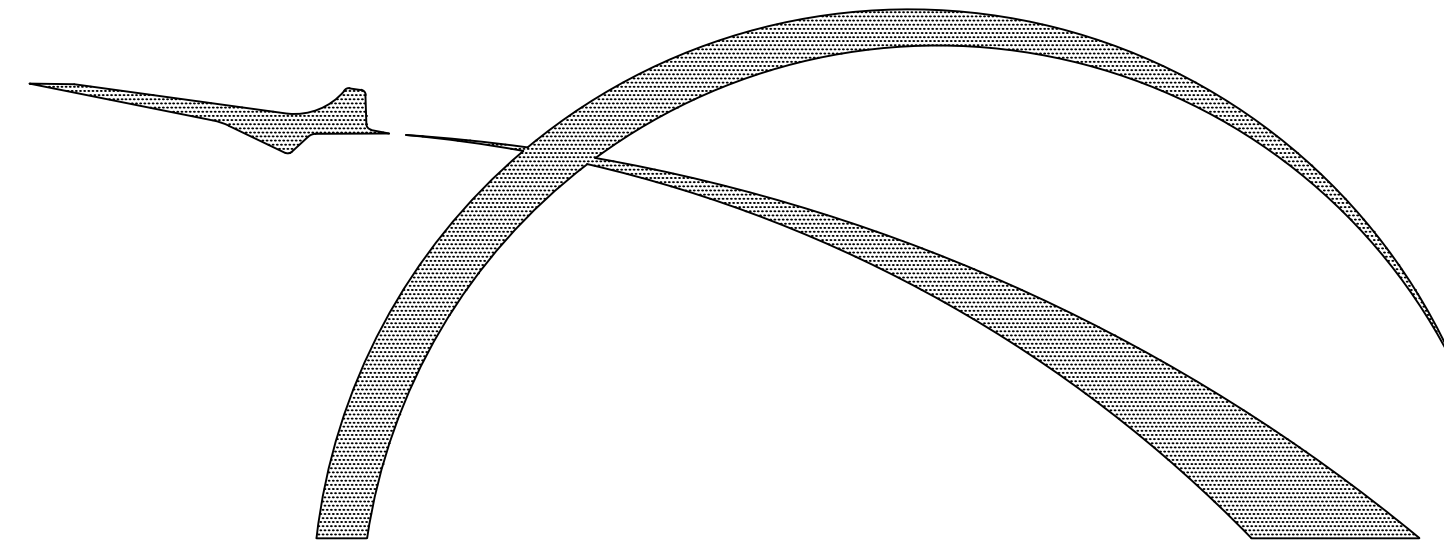


MAYOR  
SYLVESTER TURNER  
DISTRICT  
COUNCIL MEMBERS

AMY PECK  
JERRY DAVIS  
ABBIE KAMIN  
CAROLYN EVANS-SHABAZZ  
DAVE MARTIN  
TIFFANY THOMAS  
GREG TRAVIS  
KARLA CISNEROS  
ROBERT GALLEGOS  
EDWARD POLLARD  
MARTHA CASTEX-TATEM



# HOUSTON AIRPORT SYSTEM

## PARKING ACCESS AND REVENUE CONTROL SYSTEMS (PARCS) DEMO AND REPLACEMENT

AT

# GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)

PROJECT NO. HKE-PARCS-2020-003

PREPARED BY

KIMLEY-HORN AND ASSOCIATES, INC.

FERGUSON CONSULTING, INC.

JUNE 12, 2020

100% ISSUE FOR CONSTRUCTION

CONTROLLER  
CHRIS BROWN  
COUNCIL MEMBERS  
AT-LARGE

MIKE KNOX  
DAVID ROBINSON  
MICHAEL KUBOSH  
LITITIA PLUMMER  
SALLIE ALCORN



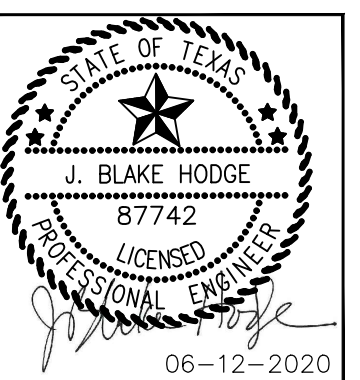
HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
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REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
COVER SHEET

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

**GX1-100**



HOUSTON AIRPORT SYSTEM				
PARKING ACCESS AND REVENUE CONTROL SYSTEMS (PARCS) - IAH				
# OF SHEET	SHEET #	SHEET TITLE	REVISION #	DATE
1	GX1-100	COVER SHEET		
2	GX1-101	SHEET INDEX		
3	GX1-102	FACILITY LAYOUT		
4	GX1-103	GENERAL NOTES		
5	CX1-100	LANE LAYOUT		
6	CX1-101	LANE LAYOUT		
7	CX1-102	LANE LAYOUT		
8	CX1-103	LANE LAYOUT		
9	CX1-104	LANE LAYOUT		
10	CX1-105	LANE LAYOUT		
11	CX1-106	LANE LAYOUT		
12	CX1-107	LANE LAYOUT		
13	CX1-108	LANE LAYOUT		
14	CX1-109	LANE LAYOUT		
15	CX1-110	LANE LAYOUT		
16	CX1-111	LANE LAYOUT		
17	CX1-112	LANE LAYOUT		
18	CX1-113	LANE LAYOUT		
19	CX1-114	LANE LAYOUT		
20	CX1-115	LANE LAYOUT		
21	CX1-116	LANE LAYOUT		
22	CX1-117	LANE LAYOUT		
23	CX1-118	LANE LAYOUT		
24	CX1-119	LANE LAYOUT		
25	CX1-120	LANE LAYOUT		
26	CX1-121	LANE LAYOUT		
27	CX1-122	LANE LAYOUT		
28	CX1-123	LANE LAYOUT		
29	CX1-124	LANE LAYOUT		
30	CX1-125	LANE LAYOUT		
31	CX1-126	LANE LAYOUT		
32	CX1-127	LANE LAYOUT		
33	CX1-128	LANE LAYOUT		
34	CX1-129	LANE LAYOUT		
35	CX1-130	LANE LAYOUT		
36	CX1-131	LANE LAYOUT		
37	CX1-132	LANE LAYOUT		
38	CX1-133	LANE LAYOUT		
39	CX1-134	LANE LAYOUT		
40	CX1-135	LANE LAYOUT		
41	CX1-136	LANE LAYOUT		
42	CX1-137	LANE LAYOUT		
43	CX1-138	LANE LAYOUT		
44	CX1-139	LANE LAYOUT		
45	CX1-140	LANE LAYOUT		
46	CX1-141	LANE LAYOUT		
47	CX1-142	LANE LAYOUT		
48	CX1-143	LANE LAYOUT		
49	CX1-144	LANE LAYOUT		
50	CX1-145	LANE LAYOUT		
51	CD1-100	DEMOLITION PLAN		
52	CD1-101	DEMOLITION PLAN		
53	CD1-102	DEMOLITION PLAN		
54	CD1-103	DEMOLITION PLAN		
55	CD1-104	DEMOLITION PLAN		
56	SX1-100	STRUCTURAL DETAILS		
57	SX1-101	STRUCTURAL DETAILS		
58	TCP-01	TRAFFIC CONTROL GENERAL NOTES		
59	TCP-02	CHANNELIZING DEVICES STANDARD		
60	TCP-1	TRAFFIC CONTROL PLAN		
61	TCP-2	TRAFFIC CONTROL PLAN		
62	TCP-3	TRAFFIC CONTROL PLAN		
63	TCP-4	TRAFFIC CONTROL PLAN		
64	TCP-5	TRAFFIC CONTROL PLAN		
65	TCP-6	TRAFFIC CONTROL PLAN		
66	TCP-7	TRAFFIC CONTROL PLAN		
67	TCP-8	TRAFFIC CONTROL PLAN		
68	TCP-9	TRAFFIC CONTROL PLAN		
69	TCP-10	TRAFFIC CONTROL PLAN		
70	TCP-11	TRAFFIC CONTROL PLAN		
71	TCP-12	TRAFFIC CONTROL PLAN		
72	TCP-13	TRAFFIC CONTROL PLAN		
73	TCP-14	TRAFFIC CONTROL PLAN		
74	TCP-15	TRAFFIC CONTROL PLAN		
75	TCP-16	TRAFFIC CONTROL PLAN		
76	TCP-17	TRAFFIC CONTROL PLAN		
77	TCP-18	TRAFFIC CONTROL PLAN		
78	TCP-19	TRAFFIC CONTROL PLAN		
79	TCP-20	TRAFFIC CONTROL PLAN		
80	TCP-21	TRAFFIC CONTROL PLAN		
81	TCP-22	TRAFFIC CONTROL PLAN		
82	TCP-23	TRAFFIC CONTROL PLAN		

HOUSTON AIRPORT SYSTEM				
PARKING ACCESS AND REVENUE CONTROL SYSTEMS (PARCS) - IAH				
# OF SHEET	SHEET #	SHEET TITLE	REVISION #	DATE
83	TCP-24	TRAFFIC CONTROL PLAN		
84	TCP-25	TRAFFIC CONTROL PLAN		
85	TCP-26	TRAFFIC CONTROL PLAN		
86	TCP-27	TRAFFIC CONTROL PLAN		
87	TCP-28	TRAFFIC CONTROL PLAN		
88	TCP-29	TRAFFIC CONTROL PLAN		
89	TCP-30	TRAFFIC CONTROL PLAN		
90	TCP-31	TRAFFIC CONTROL PLAN		
91	TCP-32	TRAFFIC CONTROL PLAN		
92	TCP-33	TRAFFIC CONTROL PLAN		
93	TCP-34	TRAFFIC CONTROL PLAN		
94	TCP-35	TRAFFIC CONTROL PLAN		
95	TCP-36	TRAFFIC CONTROL PLAN		
96	TCP-37	TRAFFIC CONTROL PLAN		
97	TCP-38	TRAFFIC CONTROL PLAN		
98	TCP-39	TRAFFIC CONTROL PLAN		
99	TCP-40	TRAFFIC CONTROL PLAN		
100	TCP-41	TRAFFIC CONTROL PLAN		
101	TCP-42	TRAFFIC CONTROL PLAN		
102	TCP-43	TRAFFIC CONTROL PLAN		
103	TCP-44	TRAFFIC CONTROL PLAN		
104	TCP-45	TRAFFIC CONTROL PLAN		
105	TCP-46	TRAFFIC CONTROL PLAN		
106	TCP-47	TRAFFIC CONTROL PLAN		
107	TCP-48	TRAFFIC CONTROL PLAN		
108	TCP-49	TRAFFIC CONTROL PLAN		
109	TCP-50	TRAFFIC CONTROL PLAN		
110	TCP-51	TRAFFIC CONTROL PLAN		
111	TCP-52	TRAFFIC CONTROL PLAN		
112	TCP-53	TRAFFIC CONTROL PLAN		
113	TCP-54	TRAFFIC CONTROL PLAN		
114	TCP-55	TRAFFIC CONTROL PLAN		
115	TCP-56	TRAFFIC CONTROL PLAN		
116	TCP-57	TRAFFIC CONTROL PLAN		
117	TCP-58	TRAFFIC CONTROL PLAN		
118	TCP-59	TRAFFIC CONTROL PLAN		
119	TCP-60	TRAFFIC CONTROL PLAN		
120	TCP-61	TRAFFIC CONTROL PLAN		
121	TCP-62	TRAFFIC CONTROL PLAN		
122	TCP-63	TRAFFIC CONTROL PLAN		
123	TCP-64	TRAFFIC CONTROL PLAN		
124	TCP-65	TRAFFIC CONTROL PLAN		
125	TCP-66	TRAFFIC CONTROL PLAN		
126	TCP-67	TRAFFIC CONTROL PLAN		
127	TCP-68	TRAFFIC CONTROL PLAN		
128	TCP-69	TRAFFIC CONTROL PLAN		
129	TCP-70	TRAFFIC CONTROL PLAN		
130	TCP-71	TRAFFIC CONTROL PLAN		
131	TCP-72	TRAFFIC CONTROL PLAN		
132	TCP-73	TRAFFIC CONTROL PLAN		
133	TCP-74	TRAFFIC CONTROL PLAN		
134	TCP-75	TRAFFIC CONTROL PLAN		
135	TCP-76	TRAFFIC CONTROL PLAN		
136	TCP-77	TRAFFIC CONTROL PLAN		
137	TCP-78	TRAFFIC CONTROL PLAN		
138	TCP-79	TRAFFIC CONTROL PLAN		
139	TCP-80	TRAFFIC CONTROL PLAN		
140	TCP-81	TRAFFIC CONTROL PLAN		
141	TCP-82	TRAFFIC CONTROL PLAN		
142	TCP-83	TRAFFIC CONTROL PLAN		
143	TCP-84	TRAFFIC CONTROL PLAN		
144	TCP-85	TRAFFIC CONTROL PLAN		
145	TCP-86	TRAFFIC CONTROL PLAN		
146	TCP-87	TRAFFIC CONTROL PLAN		
147	TCP-88	TRAFFIC CONTROL PLAN		
148	TCP-89	TRAFFIC CONTROL PLAN		
149	TCP-90	TRAFFIC CONTROL PLAN		
150	TCP-91	TRAFFIC CONTROL PLAN		
151	TCP-92	TRAFFIC CONTROL PLAN		
152	TCP-93	TRAFFIC CONTROL PLAN		
153	TCP-94	TRAFFIC CONTROL PLAN		
154	TCP-95	TRAFFIC CONTROL PLAN		
155	TCP-96	TRAFFIC CONTROL PLAN		
156	1T0-001	SYMBOLS AND ABBREVIATIONS		
157	1T0-101	IAH PARKING SYSTEM OVERALL SITE PLAN		
158	1T0-102	IAH SITE PLAN		
159	1T0-401	TYPICAL DETAILS		
160	1T0-402	TYPICAL DETAILS		
161	1T1-100	A GARAGE OVERALL SITE PLAN		
162	1T1-101	A GARAGE-SURFACE LOT SITE		
163	1T1-102	A GARAGE-SURFACE LOT SITE		
164	1T1-201	A GARAGE-ENLARGED PLANS		

HOUSTON AIRPORT SYSTEM				
PARKING ACCESS AND REVENUE CONTROL SYSTEMS (PARCS) - IAH				
# OF SHEET	SHEET #	SHEET TITLE	REVISION #	DATE
165	1T1-202	A GARAGE-ENLARGED PLANS		
166	1T1-203	A GARGAE-IDF ENLARGED PLAN		
167	1T1-204	A GARGAE-IDF ENLARGED PLAN		
168	1T1-301	A GARAGE-SCHEMATIC		
169	1T1-401	A GARAGE DETAILS PLAN		
170	1T2-100A	AB GARAGE-LVL 1 OVERALL SITE PLAN		
171	1T2-100B	AB GARAGE-LVL 7 OVERALL SITE PLAN		
172	1T2-101	AB GARAGE-LVL 1 WEST		
173	1T2-102	AB GARAGE-LVL 1 EAST		
174	1T2-103	AB GARAGE-VALET EXIT		
175	1T2-104	AB GARAGE-LVL 7		
176	1T2-201	AB GARAGE-ENLARGED PLANS		
177	1T2-202	AB GARAGE-ENLARGED PLANS		
178	1T2-203	AB GARAGE-ENLARGED PLANS		
179	1T2-204	AB GARAGE-ENLARGED PLANS		
180	1T2-205	AB GARAGE-ENLARGED PLANS-LVL 7		
181	1T2-206	AB GARAGE-ENLARGED PLANS		
182	1T2-207	AB GARAGE-ENLARGED PLANS		
183	1T2-208	AB GARAGE-ENLARGED PLANS		
184	1T2-209	IDF ENLARGED PLANS		
185	1T2-301	AB GARAGE-SCHEMATIC		
186	1T2-302	AB GARAGE-SCHEMATIC		
187	1T2-303	AB GARAGE-SCHEMATIC		
188	1T2-401	AB GARAGE DETAILS PLAN		
189	1T2-402	AB GARAGE DETAILS PLAN		
190	1T3-100	B GARAGE-OVERALL SITE PLAN		
191	1T3-101	B GARAGE-LVL 3		
192	1T3-201	B GARAGE-ENLARGED PLANS		
193	1T3-202	B GARAGE-ENLARGED PLANS		
194	1T3-203	B GARAGE-ENLARGED PLANS		
195	1T3-204	IDF ENLARGED PLANS		
196	1T3-301	B GARAGE-SCHEMATIC PLAN		
197	1T3-401	B GARAGE DETAILS PLAN		
198	1T3-402	B GARAGE DETAILS PLAN		
199	1T4-101	PARKING LOT 6-NORTH		
200	1T4-102	PARKING LOT 6-SOUTH		
201	1T4-103	PARKING LOT 6-SITE PLAN		
202	1T4-201	PARKING LOT 6-ENLARGED PLANS		
203	1T4-301	PARKING LOT 6 SCHEMATIC PLAN		
204	1T4-302	PARKING LOT 6 SCHEMATIC PLAN		
205	1T4-401	PARKING LOT 6 DETAILS PLAN		
206	1T5-100A	C GARAGE-OVERALL SITE PLAN		
207	1T5-100B	C GARAGE-OVERALL SITE PLAN		
208	1T5-100C	C GARAGE-OVERALL SITE PLAN		
209	1T5-100D	C GARAGE-OVERALL SITE PLAN		
210	1T5-100E	C GARAGE-OVERALL SITE PLAN		
211	1T5-100F	C GARAGE-OVERALL SITE PLAN		
212	1T5-101	C GARAGE-LVL 1		
213	1T5-102	C GARAGE-LVL 1		
214	1T5-103	C GARAGE-LVL 2		
215	1T5-104	C GARAGE-LVL 4		
216	1T5-105	C GARAGE-LVL 2		
217	1T5-106	C GARAGE-LVL 3		
218	1T5-201	C GARAGE-ENLARGED PLANS		
219	1T5-202	C GARAGE-ENLARGED PLANS		
220	1T5-203	C GARAGE-ENLARGED PLANS		
221	1T5-204	C GARAGE-ENLARGED PLANS		
222	1T5-205	C GARAGE-ENLARGED PLANS		
223	1T5-206	C GARAGE-ENLARGED PLANS		
224	1T5-207	C GARAGE-ENLARGED PLANS		
225	1T5-208	C GARAGE-ENLARGED PLANS		
226	1T5-209	IDF ENLARGED PLANS		
227	1T5-210	IDF ENLARGED PLANS		
228	1T5-301	C GARAGE-SCHEMATIC PLAN		
229	1T5-302	C GARAGE-SCHEMATIC PLAN		
230	1T5-303	C GARAGE-SCHEMATIC PLAN		
231	1T5-304	C GARAGE-SCHEMATIC PLAN		
232	1T5-305	C GARAGE-SCHEMATIC PLAN		
233	1T5-401	C GARAGE DETAILS PLAN		
234	1T5-402	C GARAGE DETAILS PLAN		
235	1T6-100	JFK ECO PARK OVERALL SITE PLAN		
236	1T6-101	JFK ECO PARK		
237	1T6-102	JFK ECO PARK		
238	1T6-103	JFK ECO PARK		
239	1T6-201	JFK ECO PARK ENLARGED PLAN		
240	1T6-202	JFK ECO PARK ENLARGED PLAN		
241	1T6-203	JFK ECO PARK ENLARGED PLAN		
242	1T6-204	JFK ECO PARK ENLARGED PLAN		
243	1T6-301	JFK SCHEMATIC PLAN		
244	1T6-302	JFK SCHEMATIC PLAN		
245	1T6-303	JFK SCHEMATIC PLAN		
246	1T7-100	WILL CLAYTON ECO PARK OVERALL SITE PLAN		

HOUSTON AIRPORT SYSTEM				
PARKING ACCESS AND REVENUE CONTROL SYSTEMS (PARCS) - IAH				
# OF SHEET	SHEET #	SHEET TITLE	REVISION #	DATE
247	1T7-101	WILL CLAYTON ECO PARK		
248	1T7-102	WILL CLAYTON ECO PARK		
249	1T7-103	WILL CLAYTON ECO PARK		
250	1T7-201	WILL CLAYTON ECO PARK ENLARGED PLAN		
251	1T7-202	WILL CLAYTON ECO PARK ENLARGED PLAN		
252	1T7-203	WILL CLAYTON ECO PARK ENLARGED PLAN		
253	1T7-301	WILL CLAYTON ECO PARK SCHEMATIC PLAN		
254	1T7-302	WILL CLAYTON ECO PARK SCHEMATIC PLAN		
255	1T7-401	WILL CLAYTON ECO PARK DETAILS PLAN		
256	0E0-001	SYMBOLS AND ABBREVIATIONS		
257	1E0-101	IAH PARKING SYSTEM OVERALL SITE PLAN		
258	1E0-102	IAH SITE PLAN		
259	1E0-401	TYPICAL ELECTRICAL DETAILS		
260	1E1-101	A GARAGE-LVL 1 WEST		
261	1E1-102	A GARAGE-LVL 1 WEST		
262	1E1-201	A GARAGE-ENLARGED PLANS		
263	1E2-101	AB GARAGE-OVERALL SITE WEST		
264	1E2-102	AB GARAGE-OVERALL SITE EAST		
265	1E2-103	AB GARAGE-LVL 7		
266	1E2-201	AB GARAGE-ENLARGED PLANS		
267	1E2-202	AB GARAGE-ENLARGED PLANS		
268	1E2-203	IDF ENLARGED PLANS		
269	1E2-302	AB GARAGE-SCHEMATIC PLAN		
270	1E3-101	B GARAGE OVERALL - LVL 3 AND 4		
271	1E3-102	B GARAGE OVERALL - LVL 2		
272	1E4-101	PARKING LOT 6 OVERALL - NORTH		
273	1E4-102	PARKING LOT 6 OVERALL - SOUTH		
274	1E5-101	C GARAGE OVERALL		
275	1E5-102	C GARAGE BROWN - LEVEL X		
276	1E5-103	C GARAGE PURPLE - LEVEL 2		
277	1E5-104	C GARAGE-ENTRY/EXIT		
278	1E5-105	C GARAGE-ENTRY/EXIT		
279	1E5-106	C GARAGE-ENTRY/EXIT		
280	1E6-100	JFK OVERALL SITE PLAN		
281	1E6-101	JFK ECO PARK		
282	1E6-102	JFK ECO PARK		
283	1E6-103	JFK ECO PARK		
284	1E6-104	JFK ECO PARK		
285	1E6-105	JFK ECO PARK		
286	1E6-201	JFK ECO PARK ENLARGED PLAN		
287	1E6-202	JFK ECO PARK ENLARGED PLAN		
288	1E6-203	JFK ECO PARK ENLARGED PLAN		
289	1E6-204	JFK ECO PARK ENLARGED PLAN		
290	1E6-301	JFK ECO PARK SCHEMATIC PLAN		
291	1E7-100	WILL CLAYTON ECO PARK		
292	1E7-201	WILL CLAYTON ECO PARK ENLARGED PLAN		
293	1E7-202	WILL CLAYTON ECO PARK ENLARGED PLAN		
294	1E7-203	WILL CLAYTON ECO PARK ENLARGED PLAN		





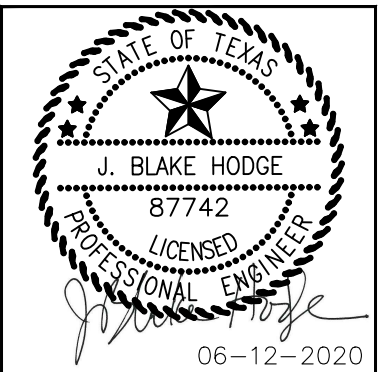
HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
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PHONE: 281-475-2816  
TYPED FOR REGISTRATION: J. HODGE  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
FACILITY LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



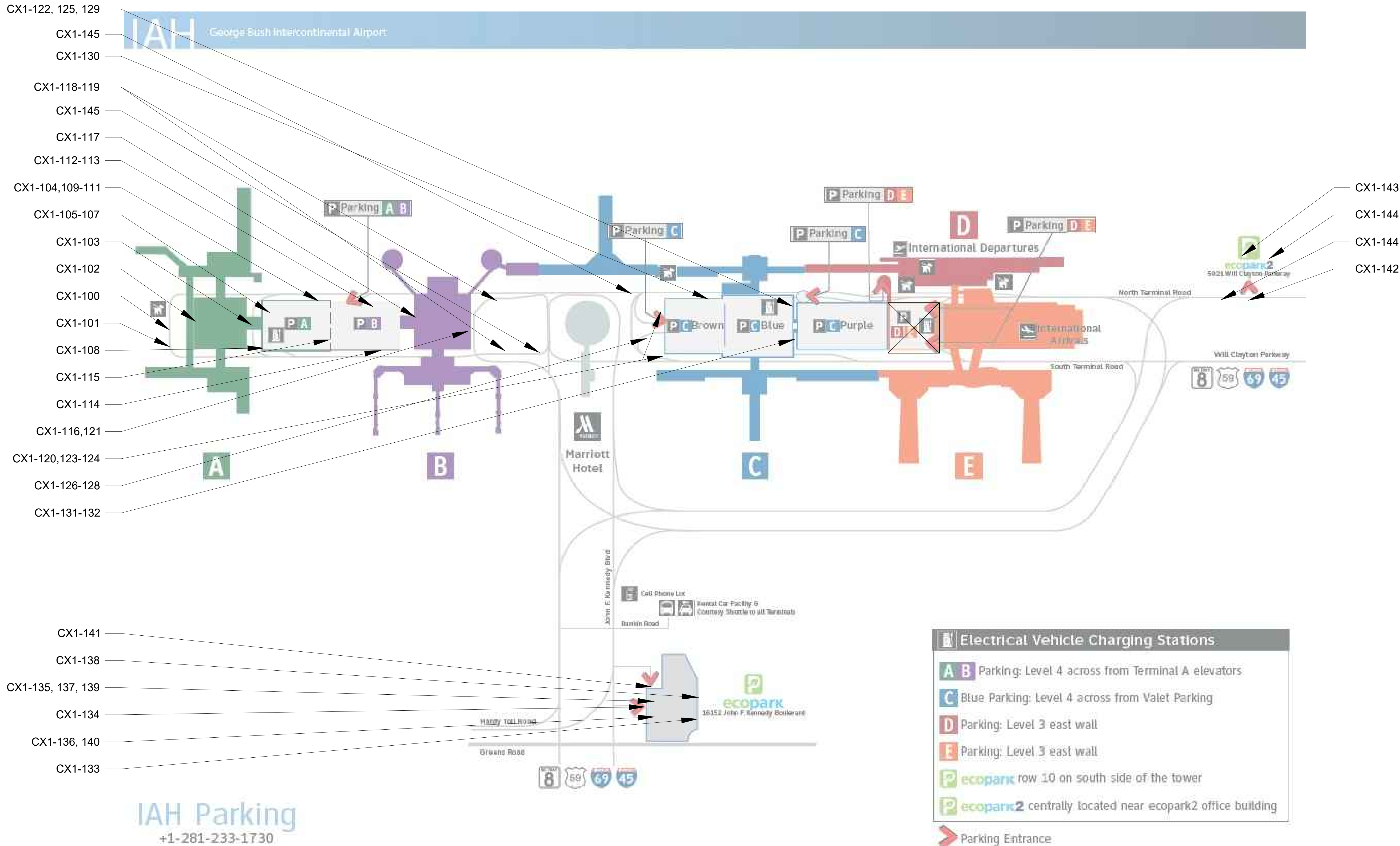
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

GX1-102



1  
GX1-102

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)  
SCALE: NTS



# GENERAL NOTES

NOTES ON THIS AND THE FOLLOWING SHEETS ARE PART OF THE PROJECT REQUIREMENTS, BUT ARE NOT INTENDED TO REPLACE THE PROJECT SPECIFICATIONS. IN CASE OF CONFLICTS BETWEEN THE REQUIREMENTS OF THE SPECIFICATIONS AND THESE NOTES, THE MORE STRINGENT REQUIREMENT SHALL APPLY.

## 1.00 DOCUMENTS AND LIMITATIONS

- 1.01 THE DRAWINGS, CALCULATIONS, SPECIFICATIONS, AND REPRODUCTIONS, RELATING TO THE STRUCTURAL PART OF THE PROJECT, ARE INSTRUMENTS OF SERVICE TO BE USED ONLY FOR THIS PROJECT.
- 1.02 IT IS UNDERSTOOD THAT THE STRUCTURAL ENGINEER OF RECORD MAKES NO WARRANTY, EITHER EXPRESSED OR IMPLIED, AS TO FINDINGS, DESIGNS, RECOMMENDATIONS, SPECIFICATIONS, OPINION, OR PROFESSIONAL ADVICE, EXCEPT THAT THESE INSTRUMENTS OF SERVICE HAVE BEEN PREPARED IN ACCORDANCE WITH THE CURRENT GENERALLY ACCEPTED PROFESSIONAL ENGINEER PRACTICES.
- 1.03 ALL NON-STRUCTURAL ELEMENTS INDICATED ON THE STRUCTURAL DRAWINGS HAVE BEEN SHOWN IN GENERAL TO THE RELATIONSHIP TO THE STRUCTURAL ELEMENTS. ACCORDINGLY, THEY SHALL NOT BE ASSUMED TO BE ACCURATE AND REFERENCE MUST BE MADE TO THE APPROPRIATE CONSULTANT(S) PLANS AND SPECIFICATIONS.
- 1.04 EXISTING CONDITIONS SHOWN ON THESE DOCUMENTS ARE FOR REFERENCE ONLY. ACTUAL CONDITIONS IN THE GARAGE MAY DIFFER FROM THE INFORMATION SHOWN. CONTRACTOR IS TO VERIFY EXISTING INFORMATION AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES. CONTRACTOR SHALL VERIFY ALL BID QUANTITIES AND MARK REPAIRS FOR ENGINEER'S REVIEW PRIOR TO COMMENCING WORK.

## 2.00 CONSTRUCTION SAFETY

- 2.01 IT IS UNDERSTOOD THAT THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK ON THE PROJECT. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF THE PERSONS AND PROTECT THEM AGAINST INJURY; LIKEWISE, THE CONTRACTOR SHALL PROTECT ALL PROPERTY AGAINST DAMAGE OR LOSS.
- 2.02 THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS, AND ORDERS OF ANY PUBLIC BODY HAVING JURISDICTION FOR THE SAFETY OF PERSONS OF PROPERTY.
- 2.03 THE CONTRACTOR'S DUTIES AND RESPONSIBILITIES FOR THE SAFETY AND PROTECTION OF THE WORK SHALL CONTINUE UNTIL SUCH TIME AS THE WORK IS SATISFACTORILY COMPLETED, AND THE ENGINEER HAS ISSUED A NOTICE TO THAT EFFECT TO THE OWNER AND THE CONTRACTOR.

## 3.00 FORMWORK, SHORING, AND RESHORING

- 3.01 NO FORMWORK, SHORING, OR RESHORING IS ANTICIPATED FOR THIS SCOPE OF WORK.
- 3.02 IF FORMWORK, SHORING, OR RESHORING IS REQUIRED FOR AN UNFORESEEN CONDITION, THE CONTRACTOR SHALL EMPLOY, AT HIS EXPENSE, A FORMWORK/SHORING ENGINEER REGISTERED IN TEXAS TO CONTROL ALL OPERATIONS RELATING TO DESIGN, INSTALLATION AND REMOVAL OF ALL FORMWORK, SHORING AND RESHORING.

## 4.00 DIMENSIONS

- 4.01 BEFORE STARTING WORK, CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON THE SITE, AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER.
- 4.02 THE CONTRACTOR, BEFORE STARTING ANY WORK, SHALL CHECK ALL DIMENSIONS GIVEN ON THE STRUCTURAL DRAWINGS, RELATING TO GRID LINES, COLUMN AND WALL LOCATIONS, STRUCTURAL AND FINISHED FLOOR ELEVATIONS, MEMBER SIZES, ETC., WITH EXISTING CONDITIONS. IF ANY DISCREPANCY IS NOTICED, IT SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER, AND WORK SHALL NOT COMMENCE UNTIL INSTRUCTIONS ARE RECEIVED FROM THE ENGINEER
- 4.03 THE CONTRACTOR SHALL REFER TO THE ENGINEER FOR HIS INSTRUCTIONS FOR ANY DIMENSION NOT GIVEN ON OR OBTAINABLE FROM THE DRAWINGS. THE CONTRACTOR SHALL NOT USE SCALE TO OBTAIN OR VERIFY ANY DIMENSION SHOWN ON THESE DRAWINGS.

## 5.00 SHOP DRAWINGS

- 5.01 REVIEW OF SHOP DRAWINGS BY THE ENGINEER IS LIMITED TO COMPLIANCE OF THE COMPLETED STRUCTURE WITH THE DESIGN CONCEPT AND INFORMATION GIVEN IN THE PROJECT DOCUMENTS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DIMENSIONS, QUANTITIES, PERFORMANCE, SAFETY, COORDINATION WITH OTHER WORKS, AND ALL OTHER REQUIREMENTS OF THE PROJECT DOCUMENTS. REVIEW DOES NOT AUTHORIZE CHANGES TO CONTRACT.
- 5.02 THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR HIS REVIEW IN ACCORDANCE WITH A SCHEDULE OF SUBMITTALS ACCEPTABLE TO THE ENGINEER. THESE SHOP DRAWINGS SHALL HAVE BEEN CHECKED BY, AND STAMPED WITH THE APPROVAL OF THE CONTRACTOR, AND IDENTIFIED AS THE ENGINEER MAY REQUIRE. THE DATA SHOWN ON THE SHOP DRAWINGS SHALL BE COMPLETE WITH RESPECT TO DIMENSIONS, DESIGN CRITERIA, AND DULY SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN TEXAS (WHERE APPLICABLE).

## 6.00 OPENINGS IN SLABS, BEAMS, AND WALLS

- 6.01 IN CAST-IN-PLACE CONCRETE WORK, NO OPENINGS SHALL BE PERMITTED IN SLABS WITHIN A DISTANCE OF EIGHT INCHES FROM THE FACE OF A COLUMN OR EDGE OF SLAB. OPENINGS BETWEEN EIGHT TO TWENTY FOUR INCHES FROM THE FACE OF THE COLUMN OR EDGE OF SLAB SHALL NOT GENERALLY BE PERMITTED EXCEPT WITH THE SPECIFIC APPROVAL OF THE ENGINEER. OPENINGS LOCATED GREATER THAN TWO FEET FROM THE FACE OF THE COLUMN, EDGE OF CAPITAL, OR EDGE OF SLAB ARE GENERALLY PERMITTED, SUBJECT TO APPROVAL OF THE ENGINEER.
- 6.02 OPENINGS IN CONCRETE WALLS MAY BE PERMITTED SUBJECT TO THE APPROVAL OF THE ENGINEER.
- 6.03 OPENINGS THROUGH WEBS OF BEAMS ARE PROHIBITED EXCEPT AS SPECIFICALLY SHOWN ON THE PLANS.
- 6.04 NO DRILLING THROUGH SLABS, BEAMS, COLUMNS, OR WALLS SHALL BE CARRIED OUT EXCEPT WITH THE SPECIFIC APPROVAL OF THE ENGINEER. SUCH APPROVAL, IF GRANTED, SHALL BE ON A CASE BY CASE BASIS.

## 7.00 REINFORCED CONCRETE (CAST-IN-PLACE)

- 7.01 THE GENERAL CONTRACTOR SHALL ASSIST AND COOPERATE WITH AN INDEPENDENT TESTING LABORATORY (TO BE RETAINED BY THE OWNER) WHICH SHALL CONDUCT ALL THE SPECIFIED TESTS REQUIRED FOR THE CONCRETE WORK AND REPORT THE RESULTS OF THESE TESTS DIRECTLY AND PROMPTLY TO THE ENGINEER FOR HIS REVIEW.
- 7.02 CONSTRUCTION JOINTS, INCLUDING LOCATION OF POUR STRIPS, SHALL BE AS APPROVED BY THE STRUCTURAL ENGINEER. ENGINEER SHALL BE INFORMED AT LEAST 24 HOURS PRIOR TO THE COMMENCEMENT OF ANY CONCRETE WORK.
- 7.03 A COPY OF ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" AND ACI SP 15 "FIELD REFERENCE MANUAL" SHALL BE KEPT ON PROJECT SITE AT ALL TIMES.
- 7.04 HIGH-EARLY STRENGTH CONCRETE SHALL USE TYPE I, II, OR III CEMENT, CLASS C OR CLASS F FLY ASH, AIR ENTRAINING ADMIXTURES (ASTM C 260), WATER REDUCING ADMIXTURES (ASTM C494), ACCELERATING ADMIXTURES (ASTM C 494 TYPE C OR E), AND WELL-GRADED AGGREGATE. ACCELERATED CURING AND JOINTING TECHNIQUES TO COMPLY WITH ACI AND BE SUBMITTED TO ENGINEER FOR APPROVAL. REQUIRED 28-DAY CONCRETE STRENGHT = 4,000 PSI.

## 8.00 REINFORCING

- 8.01 REINFORCING: ASTM A615, GRADE 60, U.N.O.
- 8.02 BAR DETAILS AND SUPPORTS: ACI DETAILING MANUAL AND BUILDING CODE. LAP ALL SPLICES AS SHOWN ON THE STRUCTURAL DRAWINGS.
- 8.03 CLEAR DISTANCE FROM FACE OF CONCRETE TO MAIN STEEL SHALL BE AS SHOWN ON THE STRUCTURAL DRAWINGS. WHERE CLEAR DISTANCE IS NOT SHOWN, ACI 362 "GUIDE FOR THE DESIGN OF DURABLE PARKING STRUCTURES" SHALL CONTROL.
- 8.04 BAR SUPPORTS, DESIGN, DETAILING, FABRICATION, AND PLACING OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH ACI 318-08 (BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE) AND ACI 315-99 (DETAILING MANUAL).

## 9.00 SPECIAL PROVISIONS

- 9.01 DESIGN CODE: INTERNATIONAL BUILDING CODE (2012 EDITION) WITH CITY OF HOUSTON AMENDMENTS AND HOUSTON AIRPORT SYSTEM DESIGN CRITERIA.
- 9.02 CONTRACTOR SHALL SUBMIT CONSTRUCTION PHASING PLANS TO THE OWNER/ENGINEER FOR REVIEW AND APPROVAL. FOR EACH PHASE OF WORK, THE PLAN SHALL INCLUDE CONSTRUCTION ACTIVITY, NUMBER OF PARKING SPACES USED, LOCATIONS OF BARRICADES, PEDESTRIAN ROUTE TO THE STAIR TOWERS, AND TRAFFIC ROUTES FOR VEHICULAR ACCESS TO THE REMAINING PARKING AREAS.
- 9.03 CONTRACTOR SHALL COORDINATE WITH THE OWNER (OR IT'S AGENT) THE SEQUENCE OF ALL WORK AND ANY SPECIFIC WORK RESTRICTIONS RELATED TO THE NUMBER OF PARKING SPACES OR LEVELS THAT CAN BE OCCUPIED BY THE CONTRACTOR AT ANY GIVEN TIME, PORTIONS OF THE GARAGE THAT REQUIRE TEMPORARY CLOSURE, AS WELL AS THE OBSTRUCTION OF ANY PUBLIC STAIR OR ELEVATOR ACCESS.
- 9.04 CONTRACTOR SHALL SUBMIT A PHASING PLAN FOR APPROVAL THAT CLEARLY DEFINES THE MILESTONES FOR EACH PHASE, AREAS OF WORK BEING PERFORMED, THE NUMBER OF PARKING SPACES REMOVED, AND TRAFFIC CONTROL METHODS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PLAN WORK TO MINIMIZE DISRUPTION TO SECTIONS OF THE GARAGE THAT WILL CONTINUE TO BE USED DURING THE CONSTRUCTION.
- 9.05 CONTRACTOR SHALL NOTIFY THE OWNER AND PARKING OPERATOR AT LEAST THREE DAYS IN ADVANCE OF ANY ALTERATIONS TO THE TRAFFIC, PARKING, OR PEDESTRIAN OPERATIONS AT EACH STAGE.
- 9.06 THE CONTRACTOR SHALL HAVE LIMITED USE OF THE PREMISES FOR CONSTRUCTION OPERATIONS, INCLUDING USE OF THE PROJECT SITE, DURING THE CONSTRUCTION PERIOD. CONTRACTOR'S USE OF PREMISES IS ALSO LIMITED BY THE OWNER'S RIGHT TO PERFORM WORK OR TO RETAIN OTHER CONTRACTORS ON PORTIONS OF THE PROJECT SITE.
- 9.07 THE CONTRACTOR SHALL BE AWARE THAT THE OWNER OR OTHER CONTRACTOR(S) MAY BE WORKING AT THE PROJECT SITE CONCURRENT TO THE EXECUTION OF THE SCOPE OF THIS WORK. CONTRACTOR SHALL COOPERATE FULLY WITH SEPARATE CONTRACTORS' SO WORK ON THOSE CONTRACTS MAY BE CARRIED OUT SMOOTHLY, WITHOUT INTERFERING WITH OR DELAYING WORK UNDER THIS CONTRACT.
- 9.08 USE OF UTILITIES SUCH AS WATER AND POWER, MUST BE APPROVED BY AND COORDINATED WITH THE OWNER, ITS AGENT, OR THE PARKING OPERATOR.
- 9.09 THE OWNER, TENANTS, AND GENERAL PUBLIC OCCUPANCY OF THE PARKING GARAGE SHALL NOT BE DISTURBED WITHOUT AUTHORIZATION FROM THE OWNER (OR ITS AGENT). OWNER, TENANTS, AND PUBLIC WILL OCCUPY THE PARKING GARAGE DURING CONSTRUCTION. THEREFORE, CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION TO ENSURE PUBLIC SAFETY
- 9.10 CONTRACTOR SHALL INSTALL AND MAINTAIN TRAFFIC AND PEDESTRIAN BARRICADES TO SEPARATE AND PROTECT THE PUBLIC FROM CONSTRUCTION ACTIVITIES THROUGHOUT THE GARAGE AND STAIR TOWERS. CONTRACTOR SHALL INSTALL TEMPORARY SIGNAGE TO DIRECT PEDESTRIANS AND TRAFFIC SAFELY AROUND CONSTRUCTION AREAS.
- 9.11 DURING CONSTRUCTION PHASES THAT ALLOW PEDESTRIAN ACCESS, THE EXITS AND STAIRS SHALL REMAIN ACCESSIBLE.
- 9.12 CONTRACTOR SHALL PROTECT FROM DAMAGE THE EXISTING STRUCTURE, WALLS, CURBS TO REMAIN, ELEVATOR LOBBY STOREFRONT, VEHICLES, STORM DRAIN LINES, EQUIPMENT, STAIRS ETC. DURING CONSTRUCTION ACTIVITIES.
- 9.13 THE OWNER WILL MAINTAIN OPERATIONS IN THE GARAGE THROUGH THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL NOT INTERFERE WITH WITH ONGOING PARKING GARAGE OPERATIONS.
- 9.14 THE CONTRACTOR SHALL DEVELOP DUST AND NOISE CONTROL MEASURES AND SUBMIT A WRITTEN PLAN TO THE ENGINEER AND OWNER. SUCH MEASURES MUST LIMIT DUST AND DIRT MIGRATION AND SEPARATE AREAS FORM FUMES AND NOISE. ALL MEASURES SHALL BE APPROVED AND IN PLACE PRIOR TO THE START OF WORK.
- 9.15 THE CONTRACTOR SHALL COORDINATE CONSTRUCTION SCHEDULE AND PERMITTED WORKING HOURS WITH THE OWNER. OPERATIONS THAT ARE LIKELY TO GENERATE HIGH NOISE LEVELS OR CONSTRUCTION TRAFFIC SHALL ONLY BE CONDUCTED AT TIME APPROVED BY THE OWNER.
- 9.16 THE FIRE RATING OF EXISTING STRUCTURAL ELEMENTS WILL BE MAINTAINED WITH ALL REPAIR WORK.



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTONTEXAS




KIMLEY-HORN AND ASSOCIATES, INC.  
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THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TDD: 281-475-2816  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
GENERAL NOTES

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



06-12-2020

APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. <b>067810800</b>	
C.I.P. NO.	
H.A.S. NO.	
<b>PN HKE-PARCS-2020-003</b>	
SHEET NO.	

GX1-103

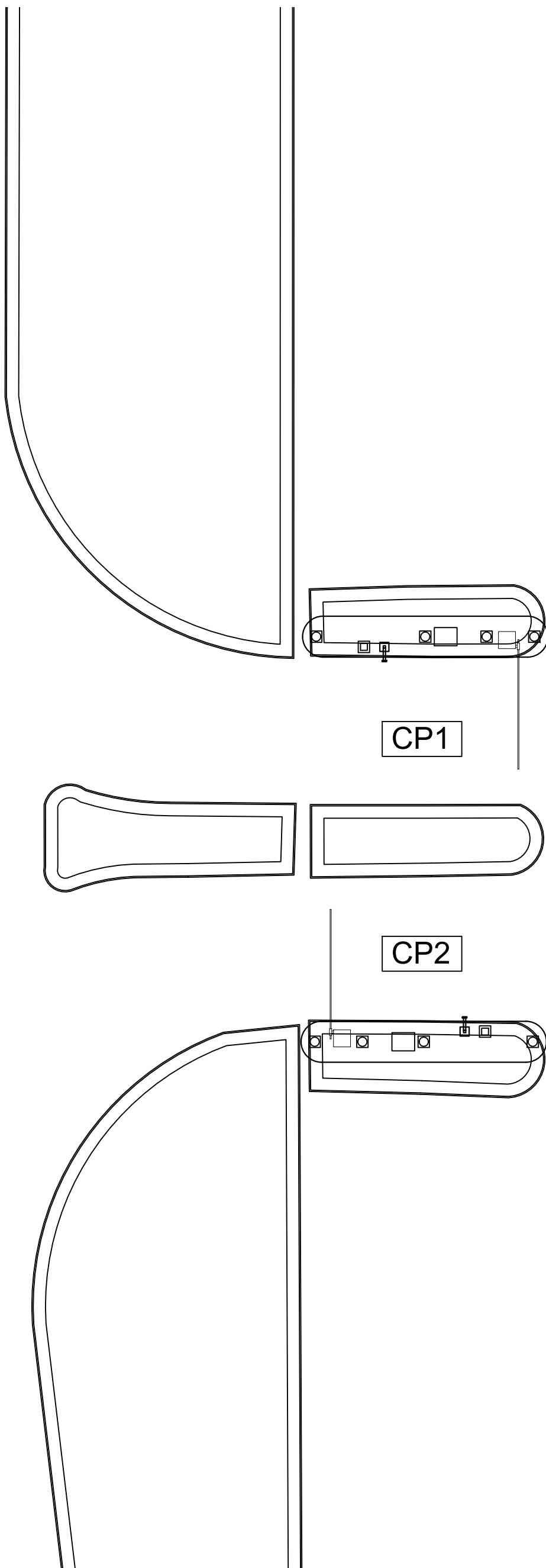


NOTES:

1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
2. REFERENCE SX1-100 FOR NEW ISLAND AND BOLLARD DETAILS.
3. DIMENSIONS SHOWN FOR PARCS EQUIPMENT PLACEMENT AND EXTENTS OF NEW CURB/ISLAND ARE FOR BIDDING PURPOSES ONLY. THE PARCS VENDOR SELECTED BY THE AIRPORT MAY HAVE DIFFERENT REQUIREMENTS.
4. 

XXXX

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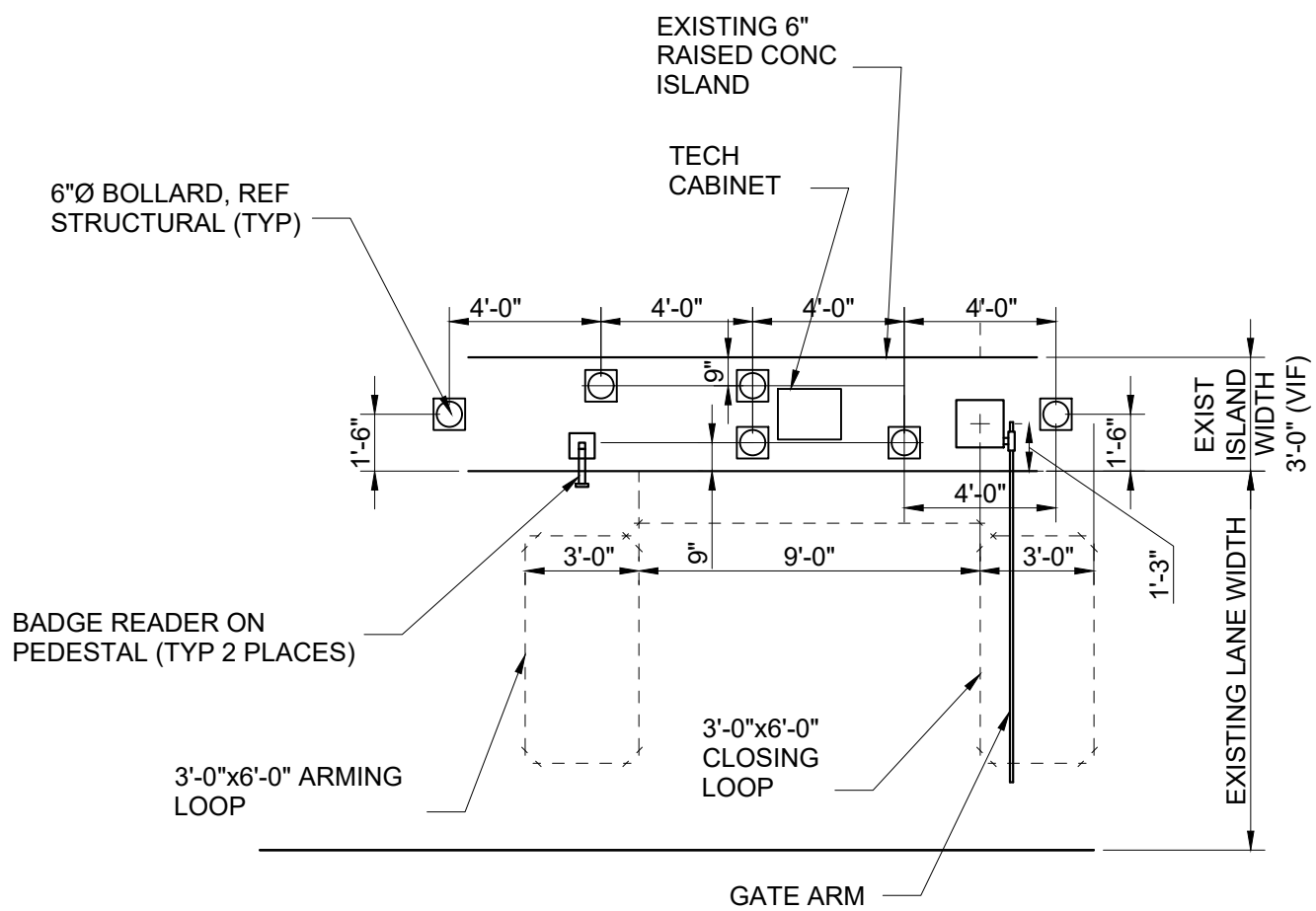


1

TERMINAL A CONTRACT ENTRY/EXIT LOCATION (GROUND LEVEL)

CX1-100

SCALE: 1"=100'-0"



2

TERMINAL A CONTRACT ENTRY/EXIT DETAIL

CX1-100

SCALE: 1"=60'-0"



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTONTEXAS

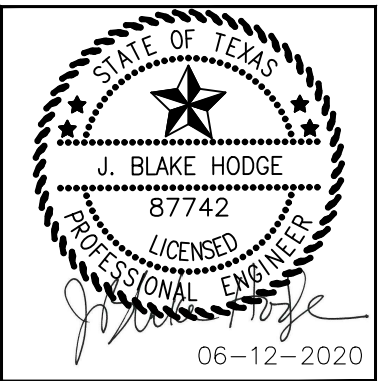


KIMLEY-HORN AND ASSOCIATES, INC.  
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THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED REGISTRATION # 528  
WWW.KIMLEY-HORN.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
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APPROVED BY:	DATE:
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DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

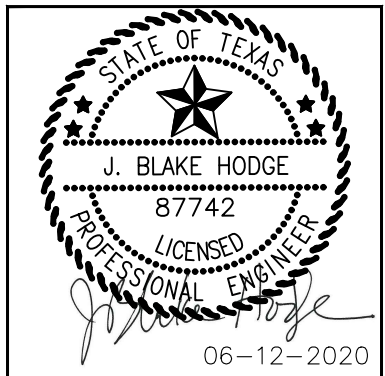
CX1-100



REVISIONS		
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PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
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HOUSTON AIRPORT SYSTEM

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**067810800**  
C.I.P. NO.

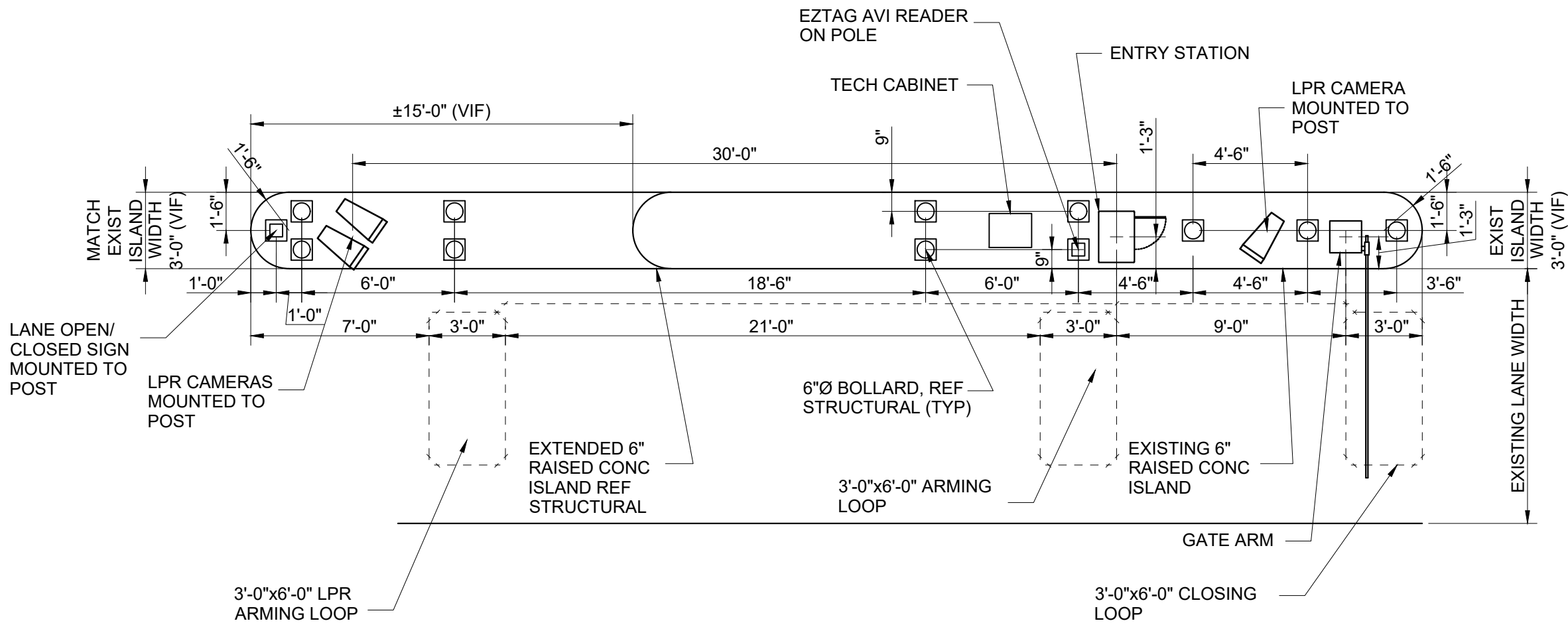
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**PN HKE-PARCS-2020-003**  
SHEET NO.

CX1-101

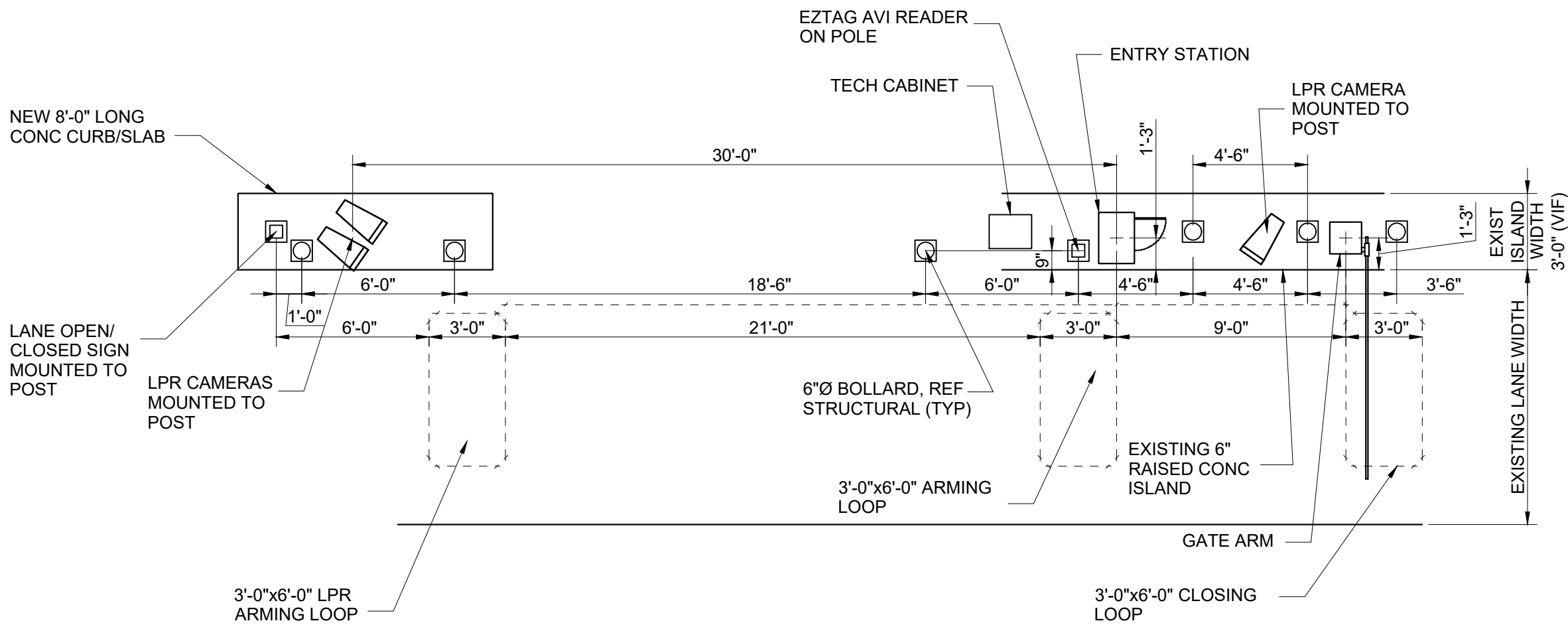
## NOTES:

- REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
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- X

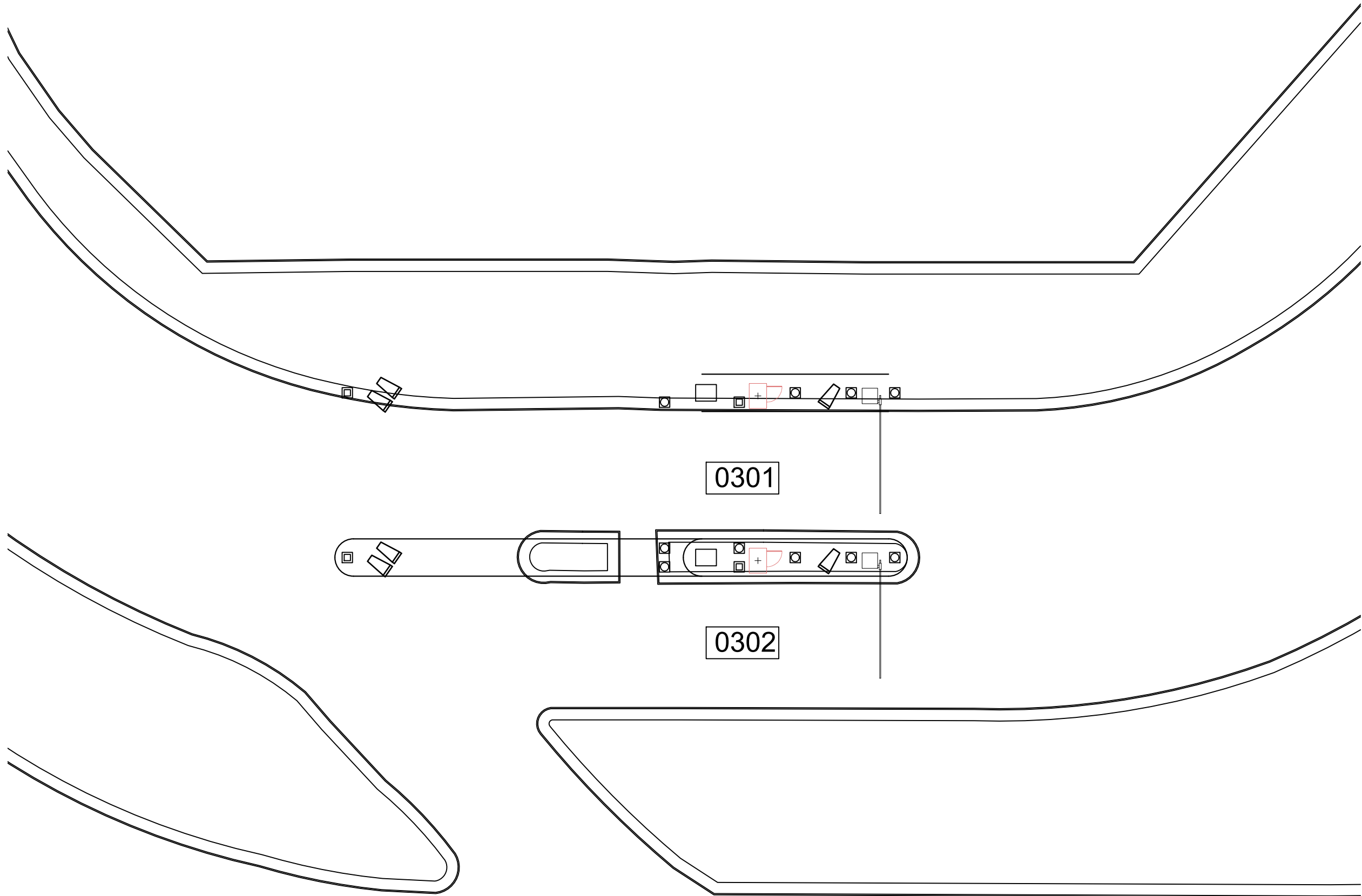
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3  
CX1-101  
TERMINAL A CONTRACT ENTRY DETAIL  
SCALE: 1"=60'-0"



2  
CX1-101  
TERMINAL A CONTRACT ENTRY DETAIL  
SCALE: 1"=60'-0"



1  
CX1-101  
TERMINAL A CONTRACT ENTRY LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"







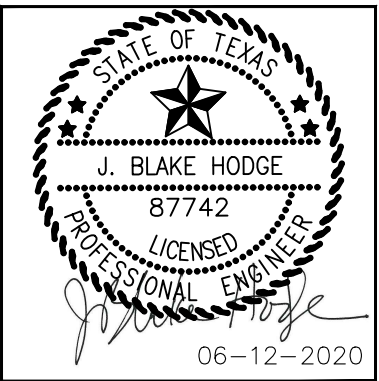




REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
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PROJECT MGR:	CDR
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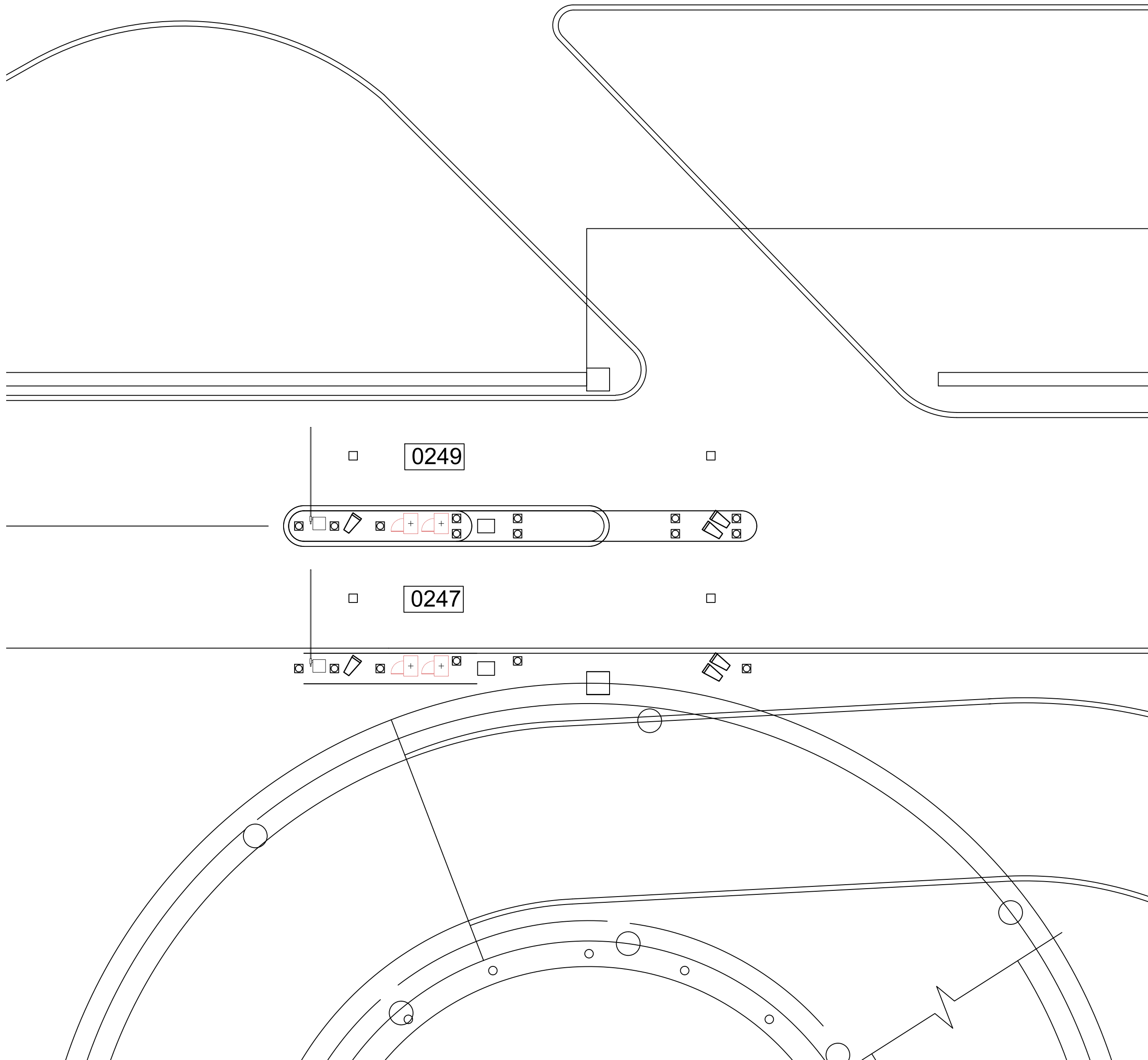
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**PN HKE-PARCS-2020-003**  
SHEET NO.

CX1-104

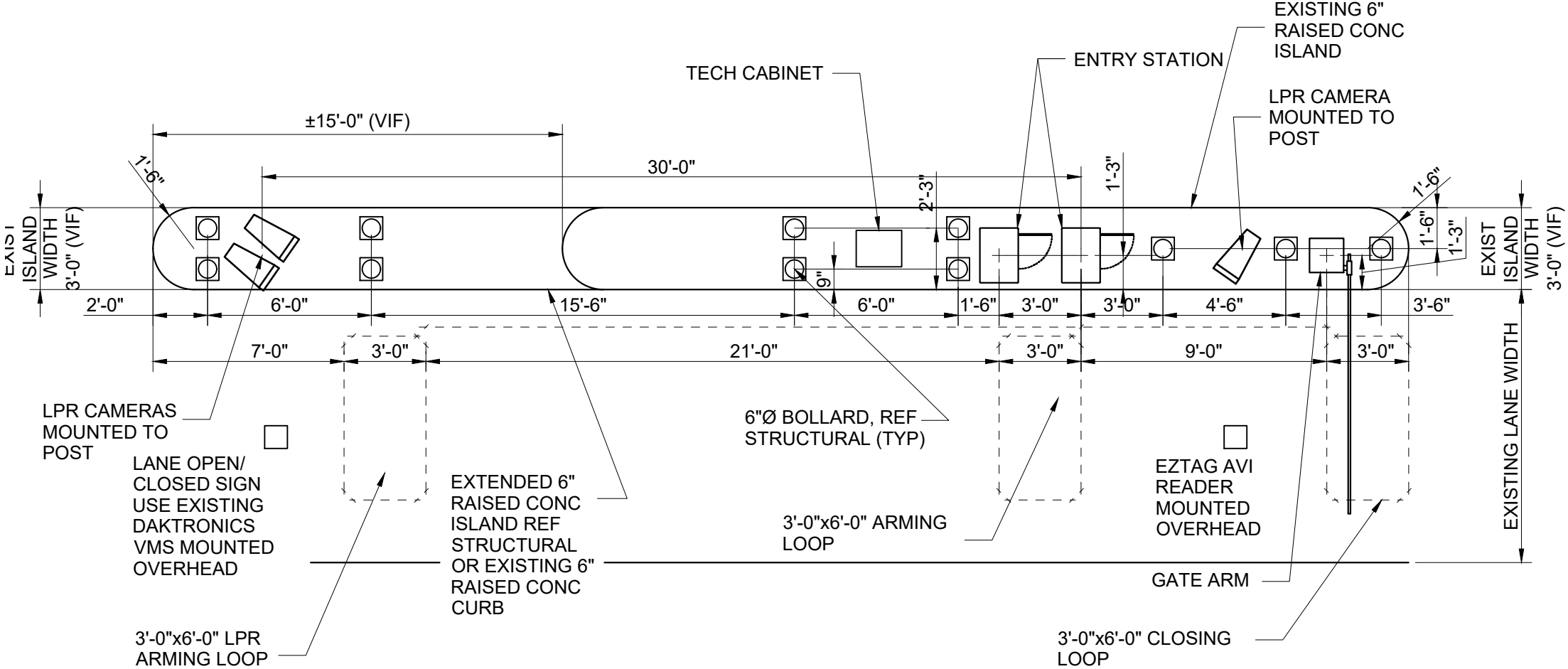
NOTES:

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- X

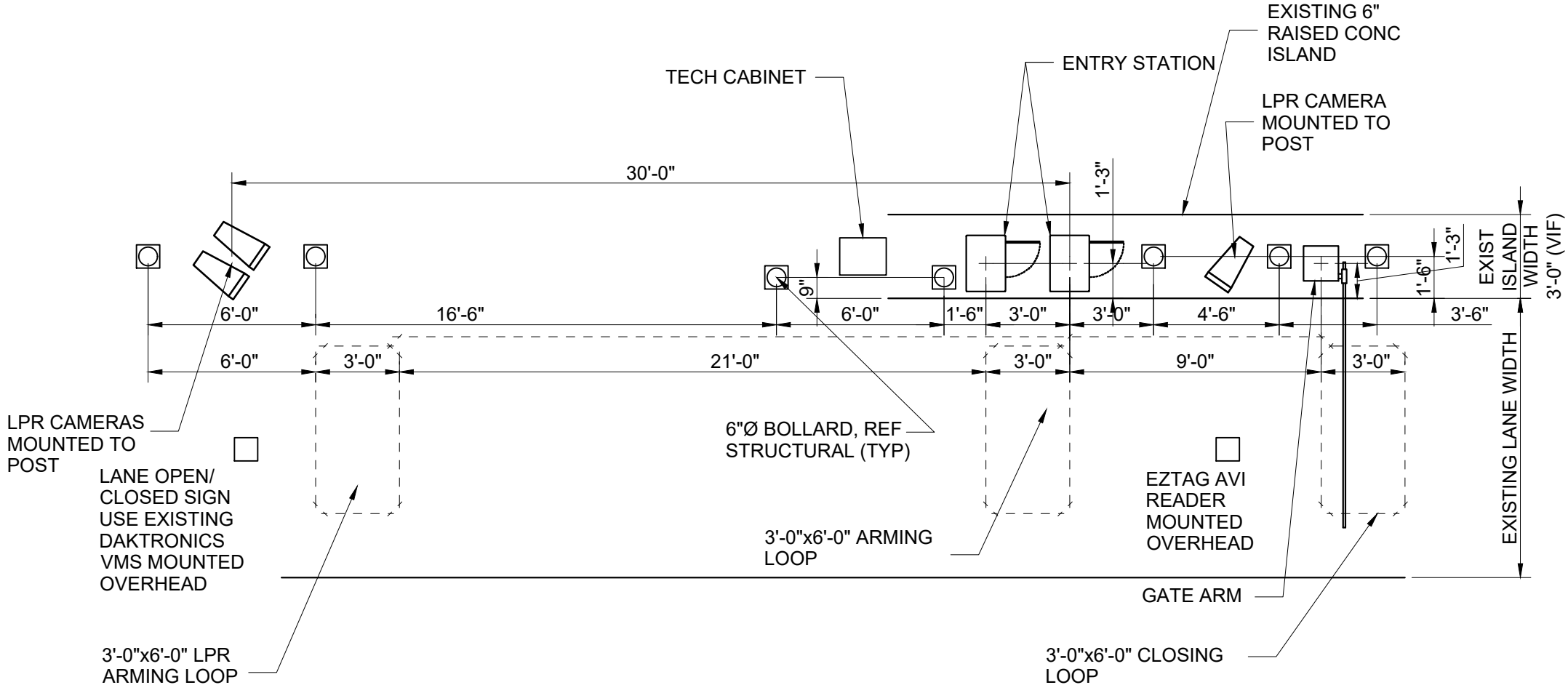
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1  
CX1-104  
TERMINAL A/B ENTRY LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"



3  
CX1-104  
TERMINAL A/B ENTRY DETAIL  
SCALE: 1"=60'-0"



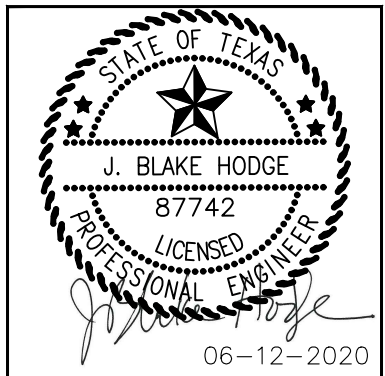
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CX1-104  
TERMINAL A/B ENTRY DETAIL  
SCALE: 1"=60'-0"



REVISIONS			
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PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
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HOUSTON AIRPORT SYSTEM

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H.A.S. NO.	PN HKE-PARCS-2020-003
SHEET NO.	

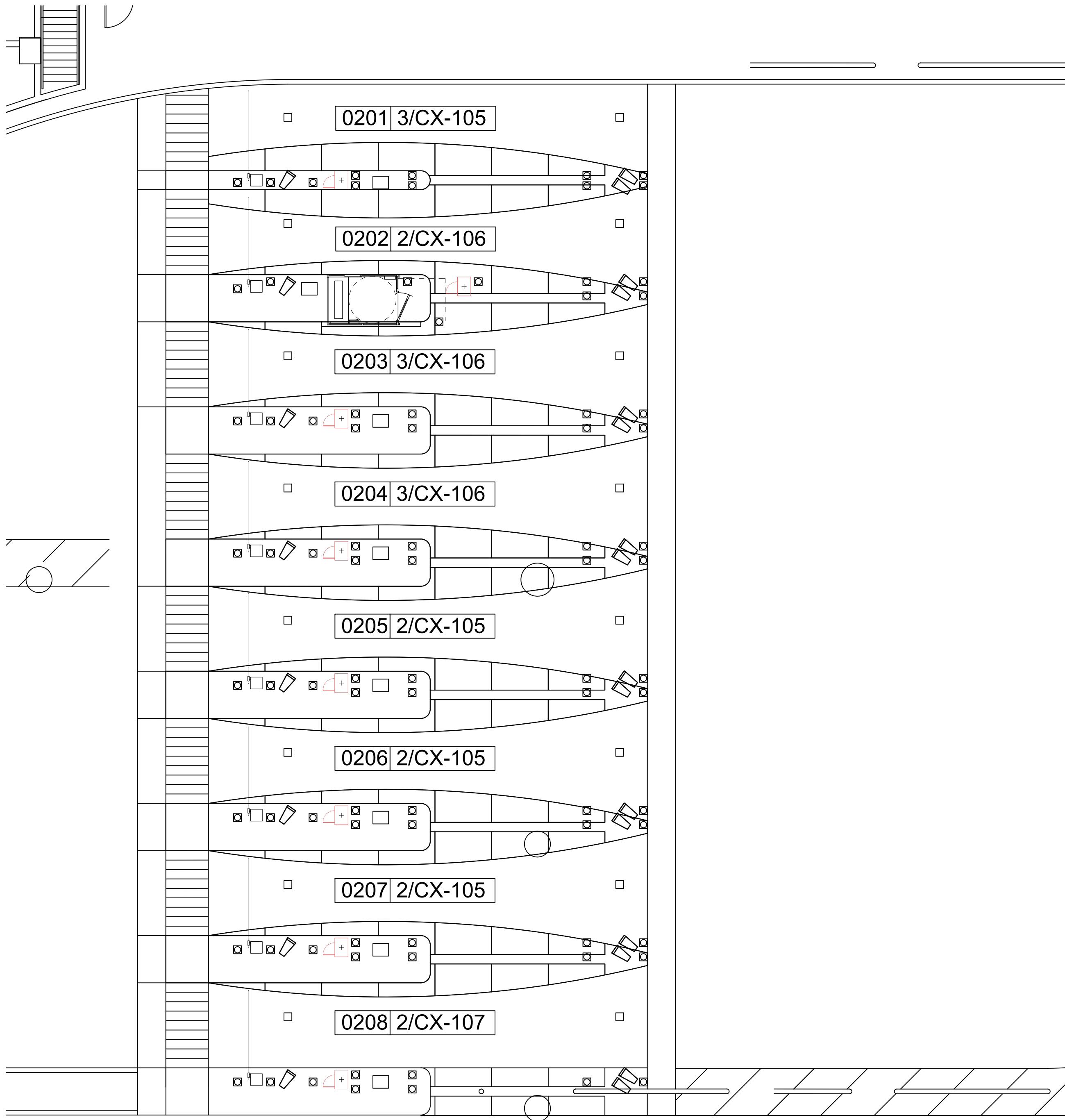
CX1-105

NOTES:

1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
2. REFERENCE SX1-100 FOR NEW ISLAND AND BOLLARD DETAILS.
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4. 

XXXX

 INDICATES LANE NUMBER.

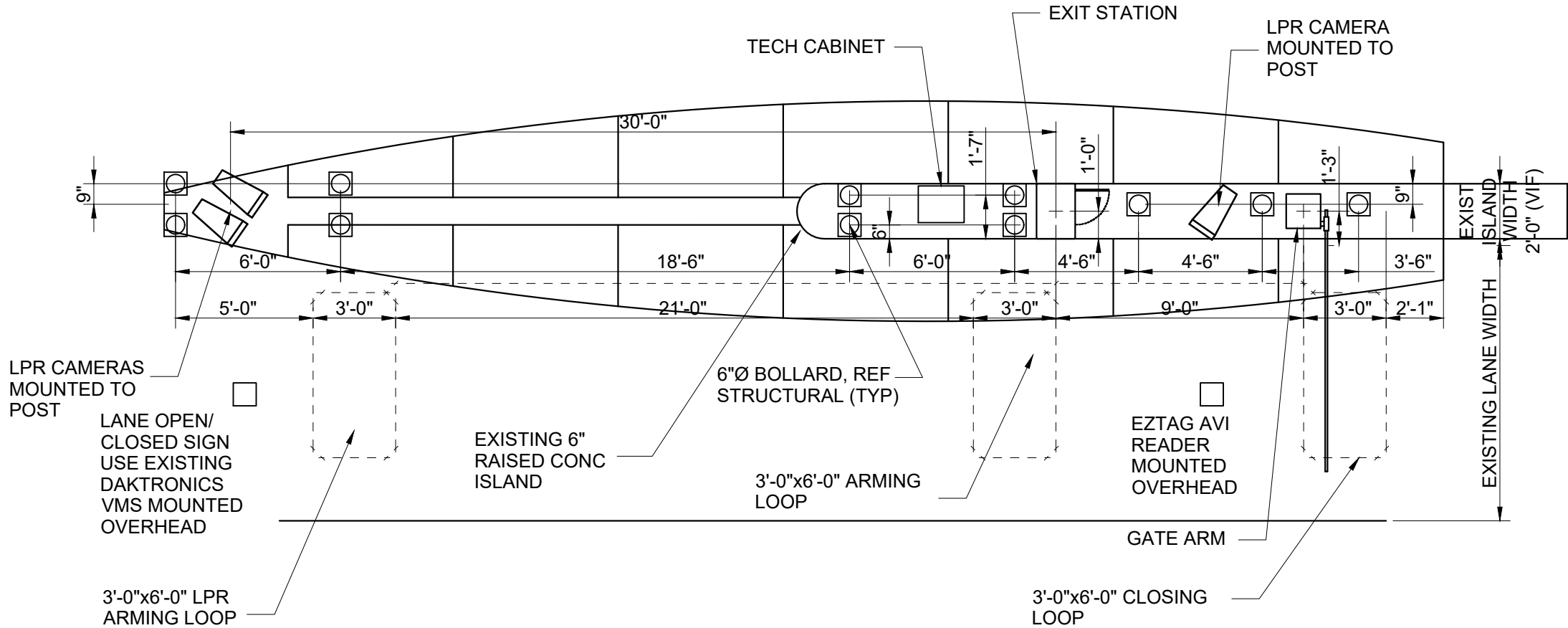


1

TERMINAL A/B NORTH EXIT LOCATION (GROUND LEVEL)

CX1-105

SCALE: 1"=100'-0"

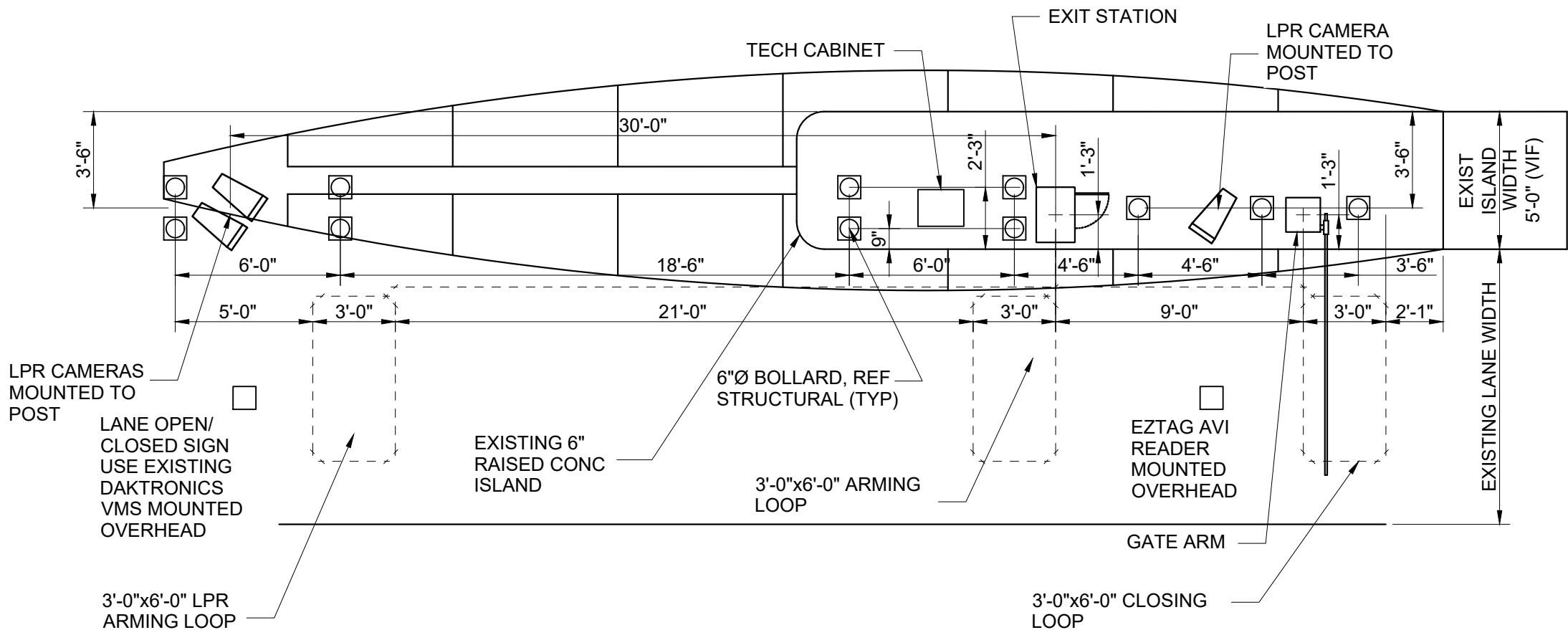


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TERMINAL A/B NORTH EXIT DETAIL

CX1-105

SCALE: 1"=60'-0"



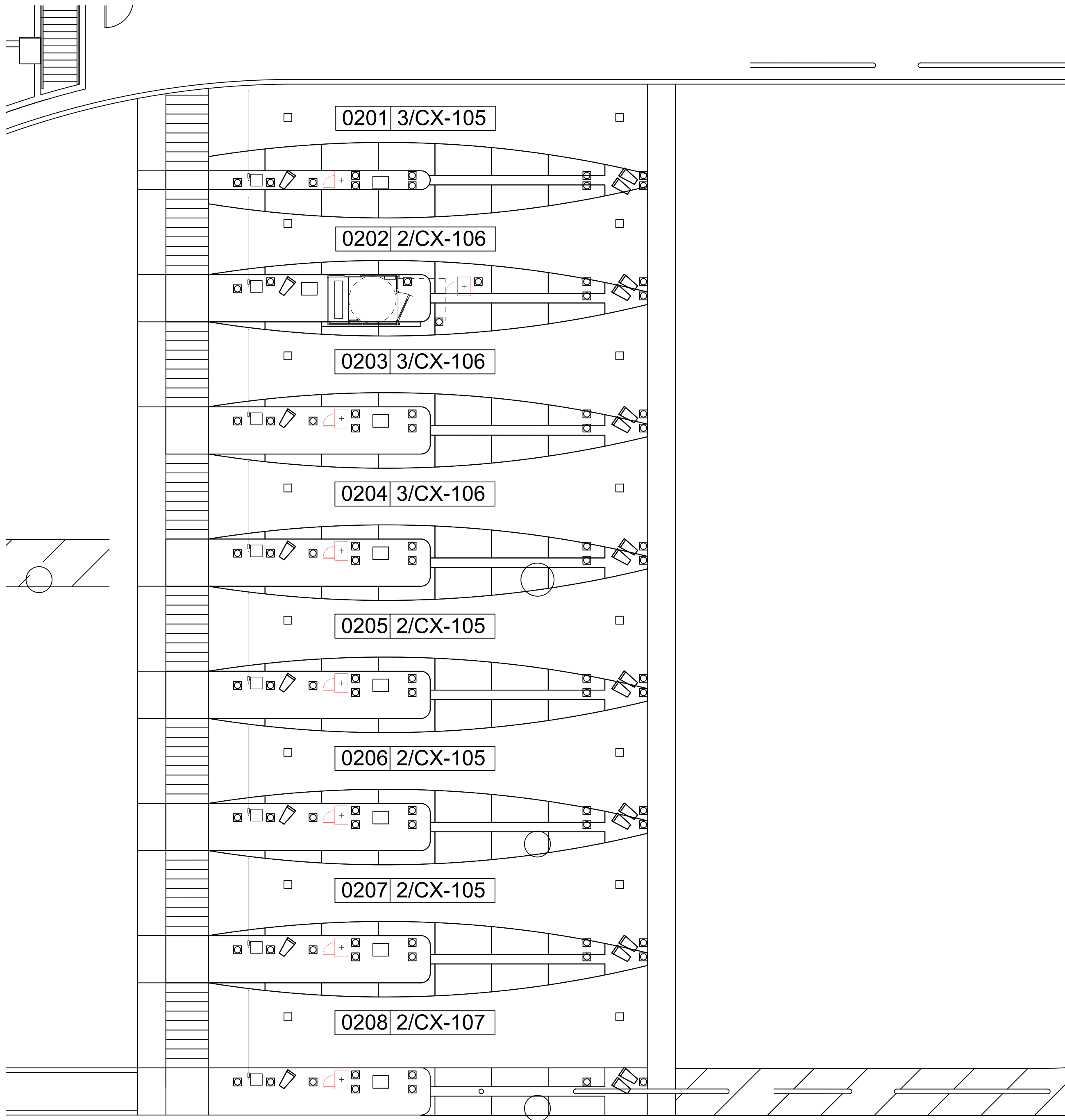
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TERMINAL A/B NORTH EXIT DETAIL

CX1-105

SCALE: 1"=60'-0"

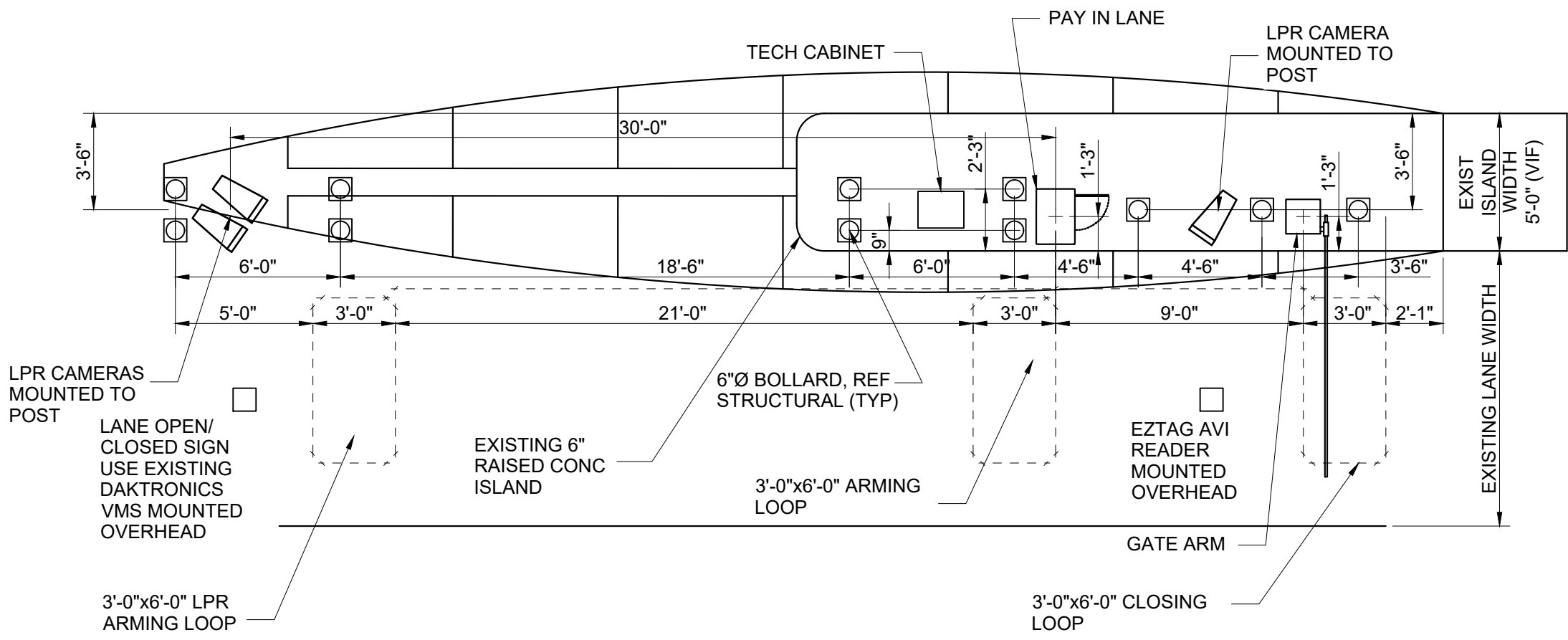




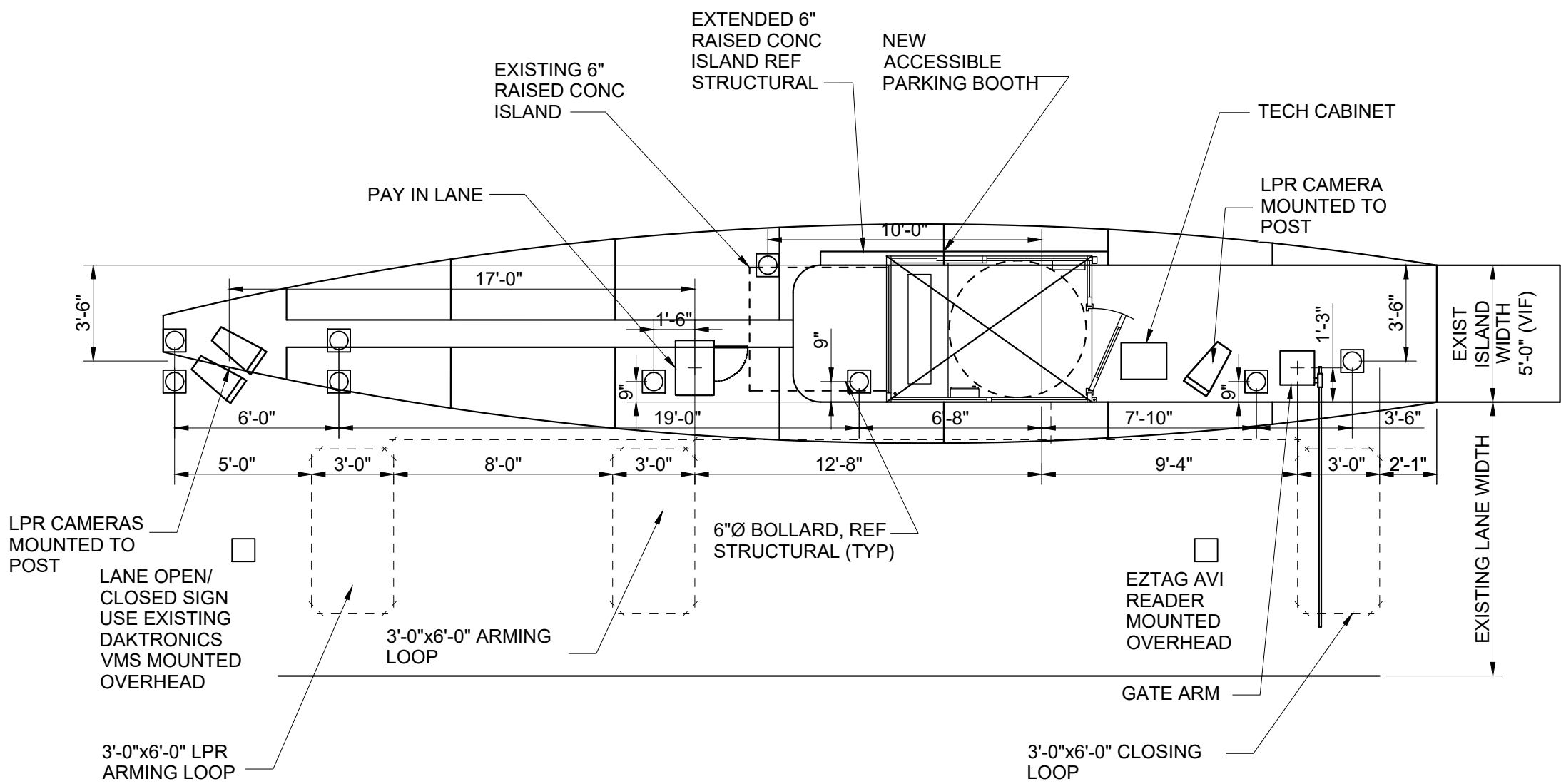
1  
CX1-106  
TERMINAL A/B NORTH EXIT LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"

NOTES:

- 1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
- 2. REFERENCE SX1-100 FOR NEW ISLAND AND BOLLARD DETAILS.
- 3. DIMENSIONS SHOWN FOR PARCS EQUIPMENT PLACEMENT AND EXTENTS OF NEW CURB/ISLAND ARE FOR BIDDING PURPOSES ONLY. THE PARCS VENDOR SELECTED BY THE AIRPORT MAY HAVE DIFFERENT REQUIREMENTS.
- 4. [XXXX] INDICATES LANE NUMBER.



3  
CX1-106  
TERMINAL A/B NORTH EXIT DETAIL  
SCALE: 1"=60'-0"



2  
CX1-106  
TERMINAL A/B NORTH EXIT DETAIL  
SCALE: 1"=60'-0"



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS



KIMLEY-HORN AND ASSOCIATES, INC.  
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TYPED FOR REGISTRATION: F-528  
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REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY:	DATE:

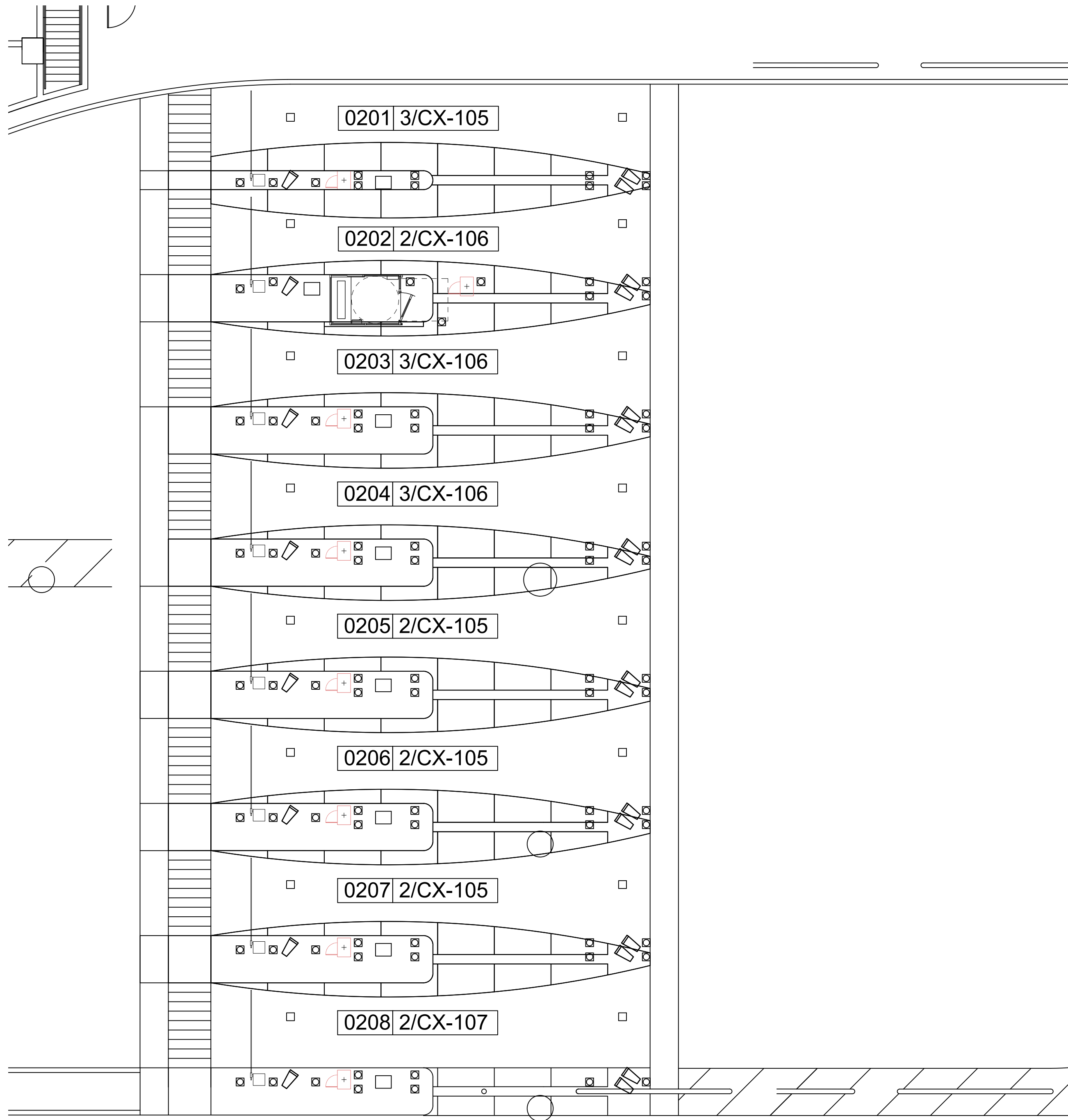
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.	067810800
C.I.P. NO.	

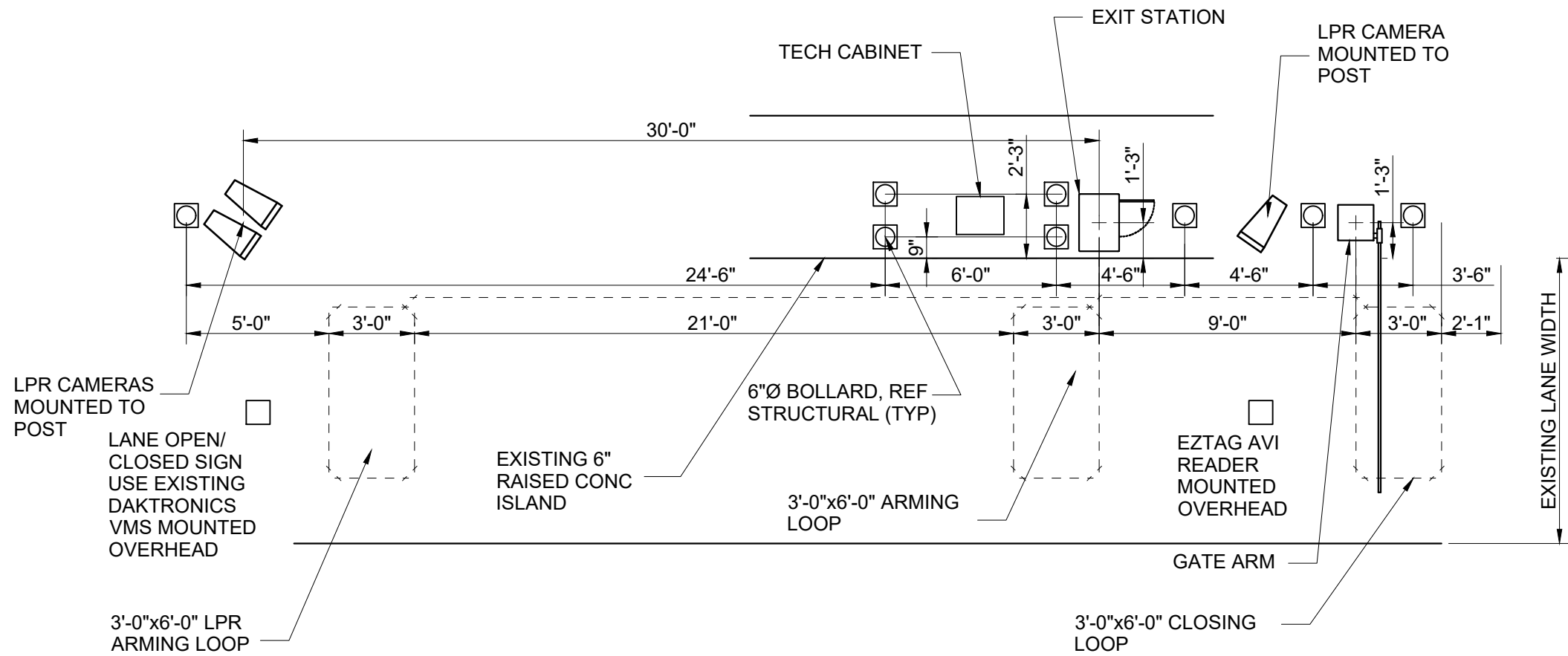
H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.

CX1-106





1  
CX1-107  
TERMINAL A/B NORTH EXIT LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"



2  
CX1-107  
TERMINAL A/B NORTH EXIT DETAIL  
SCALE: 1"=60'-0"

NOTES:

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- 4. [XXXX] INDICATES LANE NUMBER.



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
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REVISIONS		
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SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
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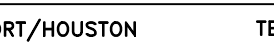


APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. <b>067810800</b>	
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H.A.S. NO.	
<b>PN HKE-PARCS-2020-003</b>	
SHEET NO.	

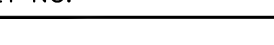




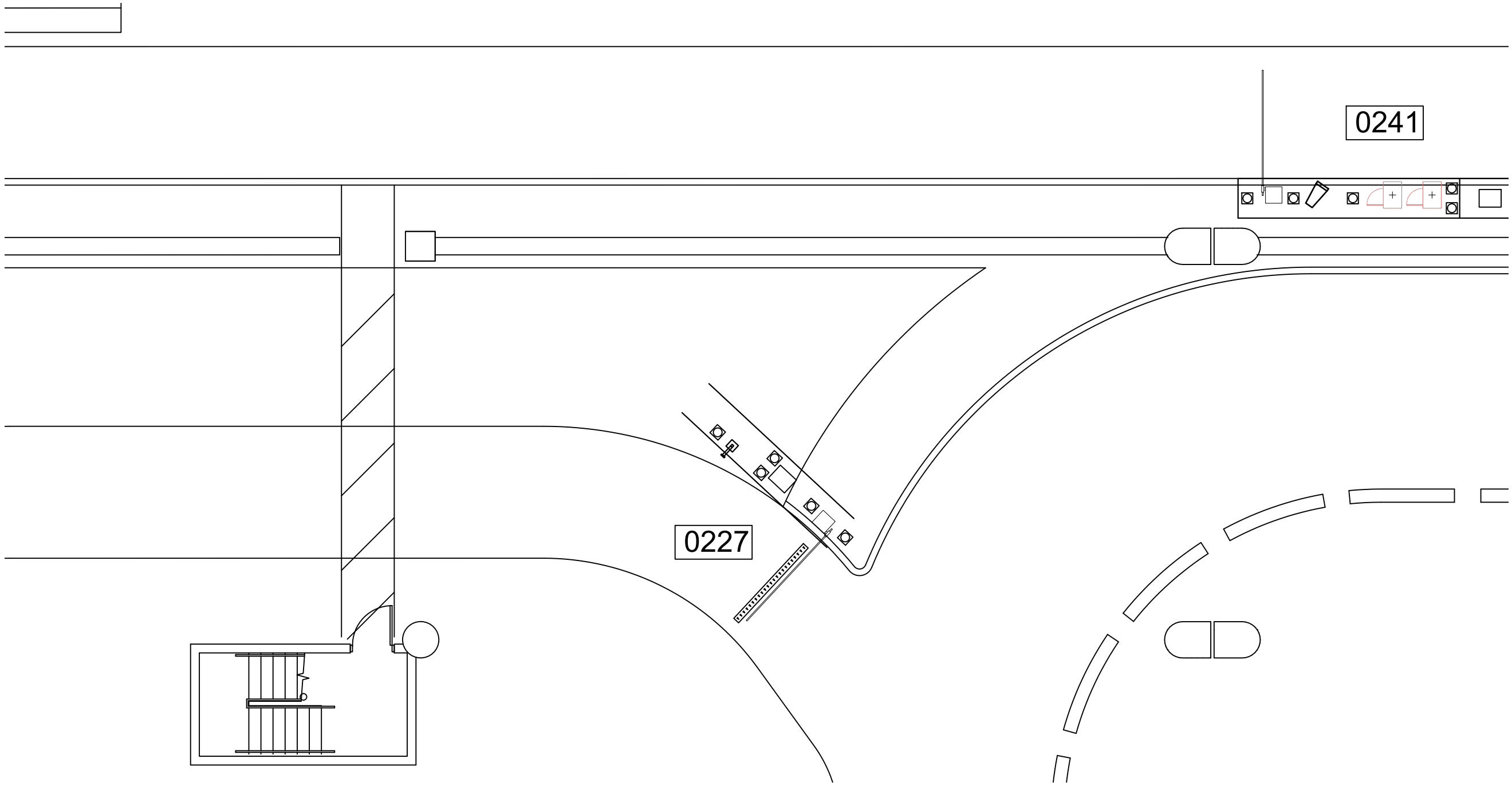




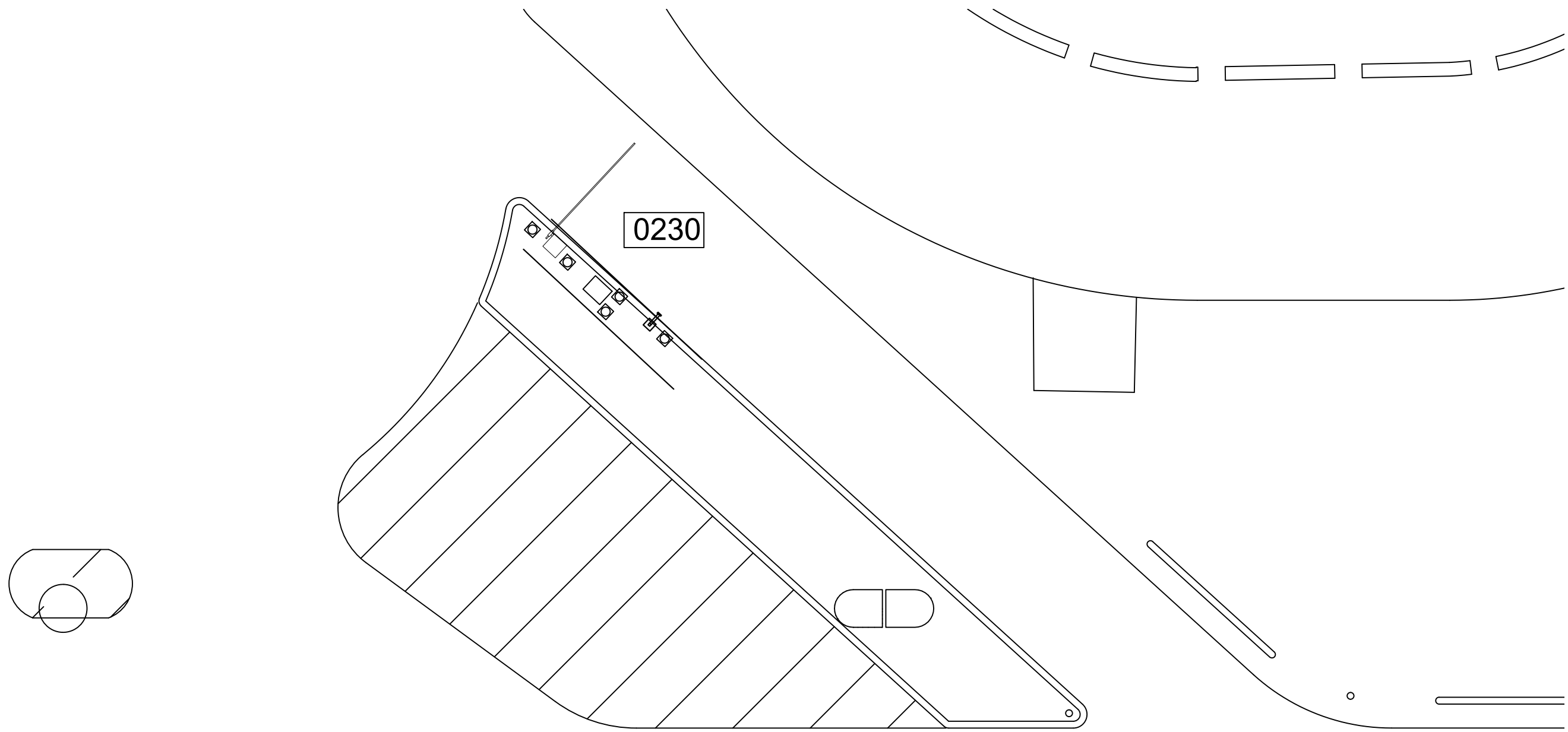
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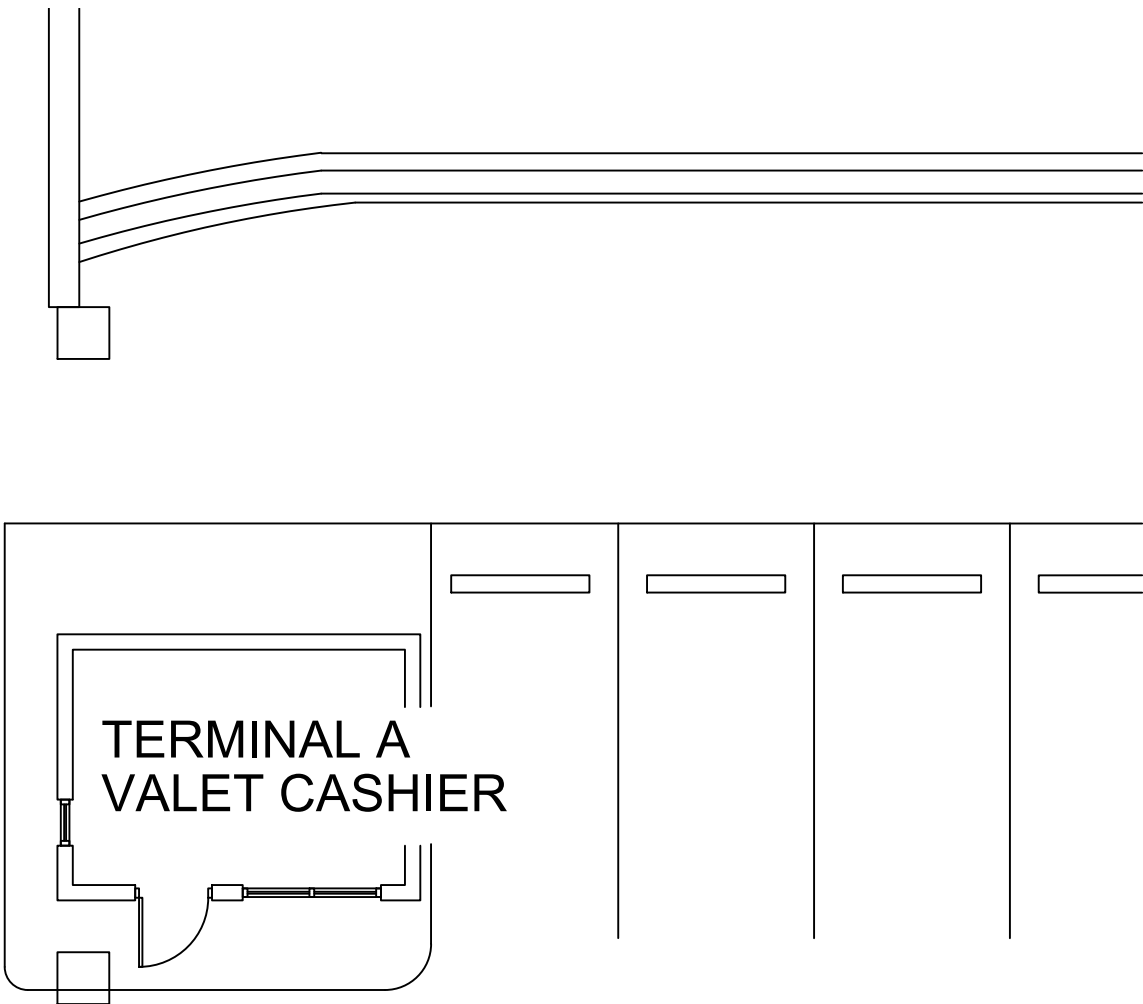




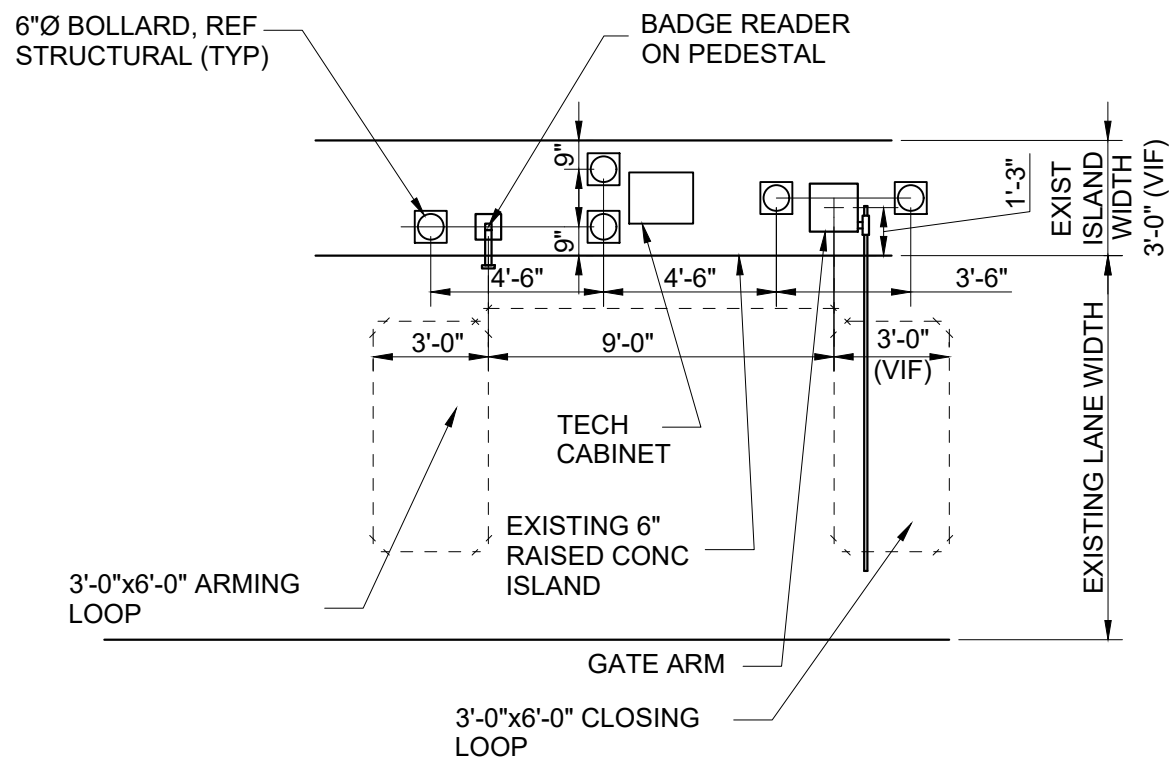
2  
CX1-110  
TERMINAL A VALET LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"



1  
CX1-110  
TERMINAL A VALET LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"




3  
CX1-110  
TERMINAL A VALET LOCATION (GROUND LEVEL)  
SCALE: 1"=60'-0"




4  
CX1-110  
TERMINAL A VALET DETAIL  
SCALE: 1"=60'-0"

NOTES:

- 1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
- 2. REFERENCE SX1-100 FOR NEW ISLAND AND BOLLARD DETAILS.
- 3. DIMENSIONS SHOWN FOR PARCS EQUIPMENT PLACEMENT AND EXTENTS OF NEW CURB/ISLAND ARE FOR BIDDING PURPOSES ONLY. THE PARCS VENDOR SELECTED BY THE AIRPORT MAY HAVE DIFFERENT REQUIREMENTS.
- 4. [XXXX] INDICATES LANE NUMBER.



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTONTEXAS




KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: F-528  
WWW.KIMLEY-HORN.COM

REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:CDR  
DESIGNER:JBH  
DRAWN BY:KHA  
CHECKED BY:CDR  
SCALE:NTS  
DATE:06/12/2020



06-12-2020

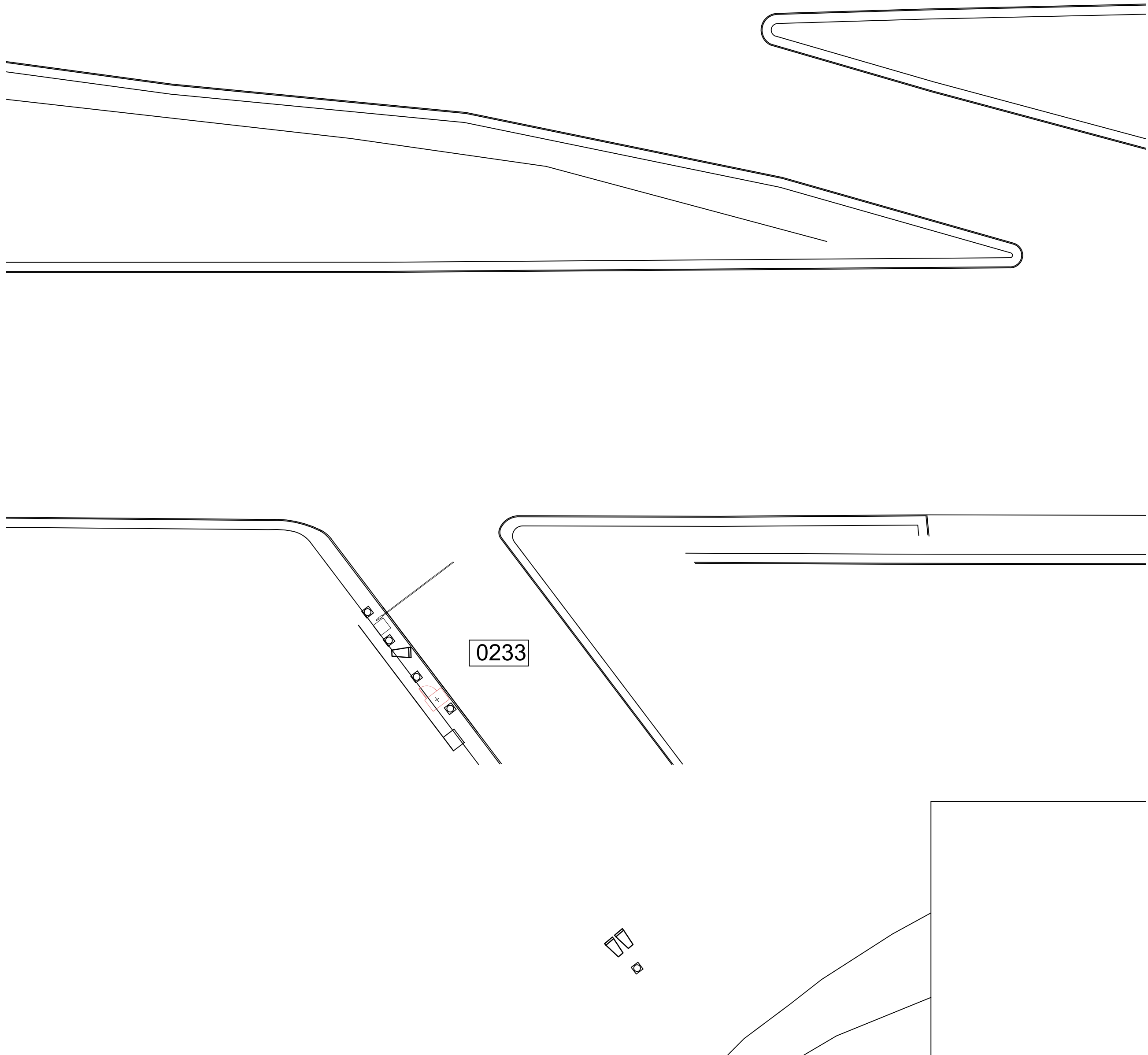
APPROVED BY:DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.  
H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.

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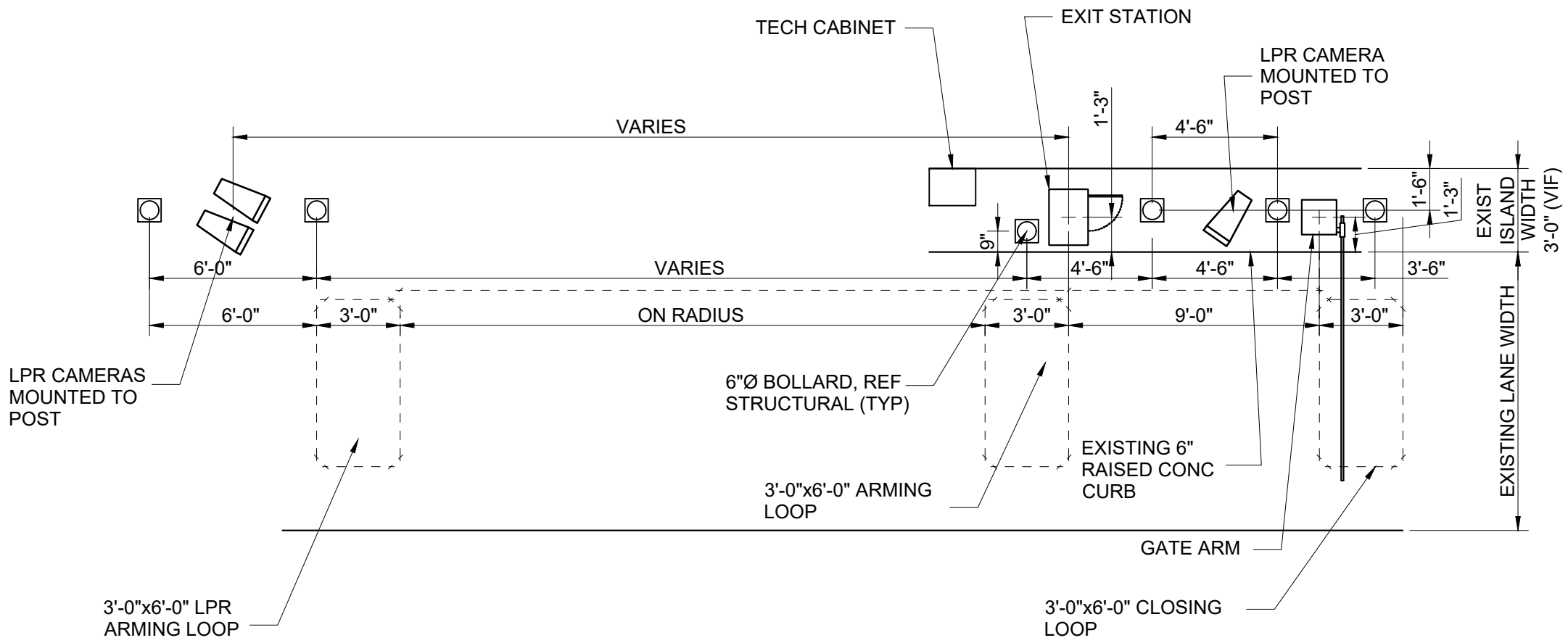


1  
CX1-111

1

TERMINAL A VALET EXIT LOCATION (GROUND LEVEL)

SCALE: 1"=100'-0"



2  
CX1-111

2

TERMINAL A VALET EXIT DETAIL

SCALE: 1"=60'-0"

NOTES:

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4. [XXXX] INDICATES LANE NUMBER.



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTONTEXAS



KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: 4-528  
WWW.KIMLEY-HORN.COM

REVISIONS		
NO.	DESCRIPTION	DATE

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY:	DATE:
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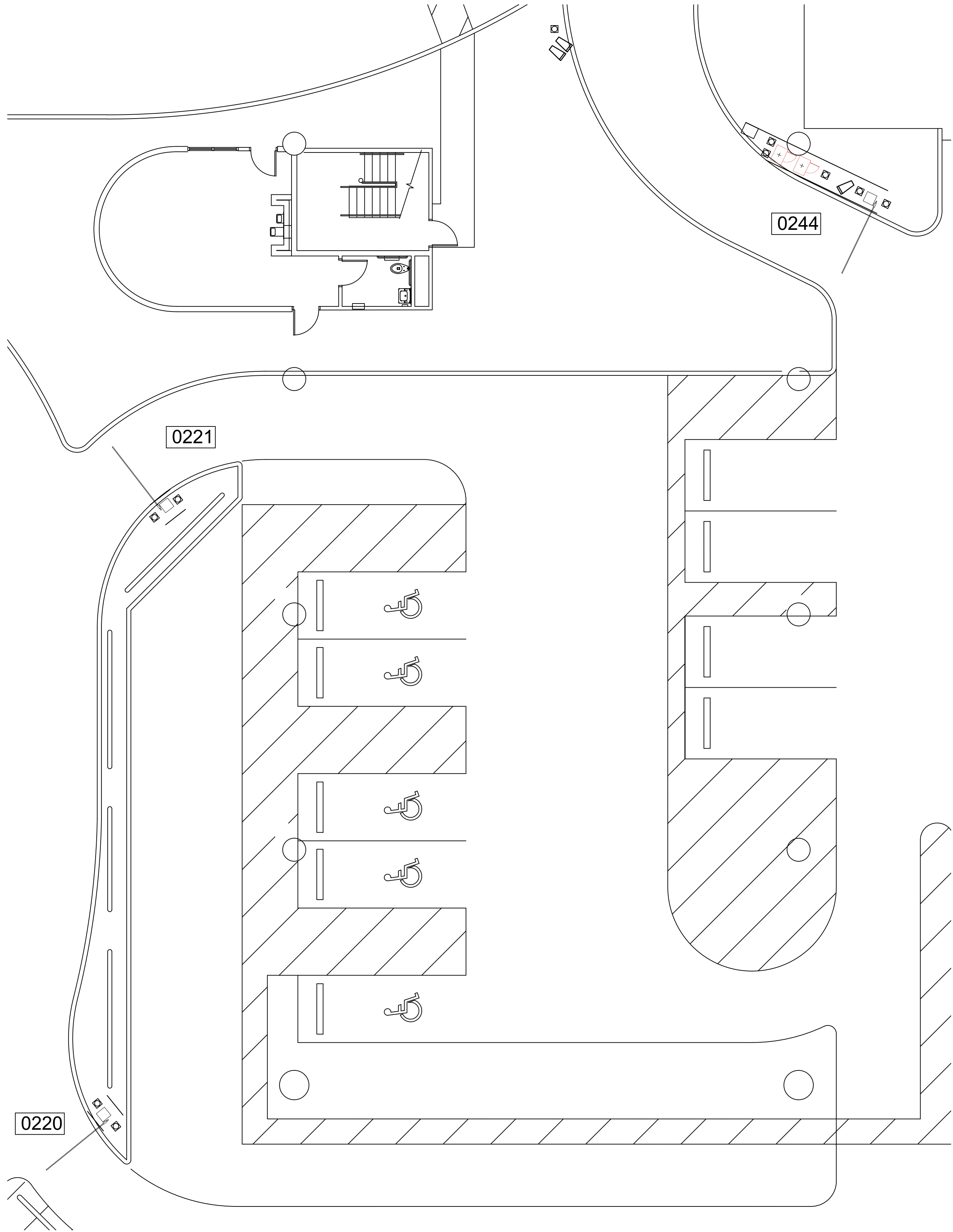
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.

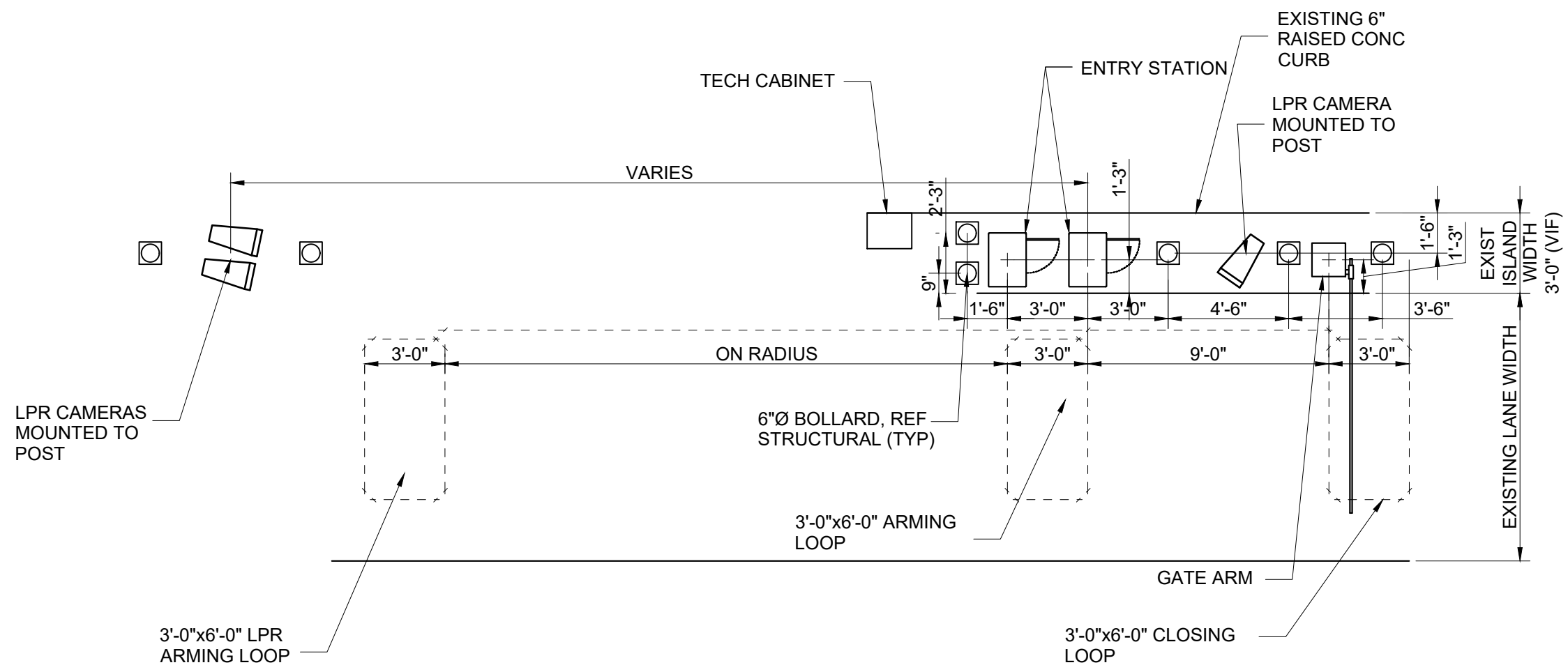
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PN HKE-PARCS-2020-003  
SHEET NO.

CX1-111

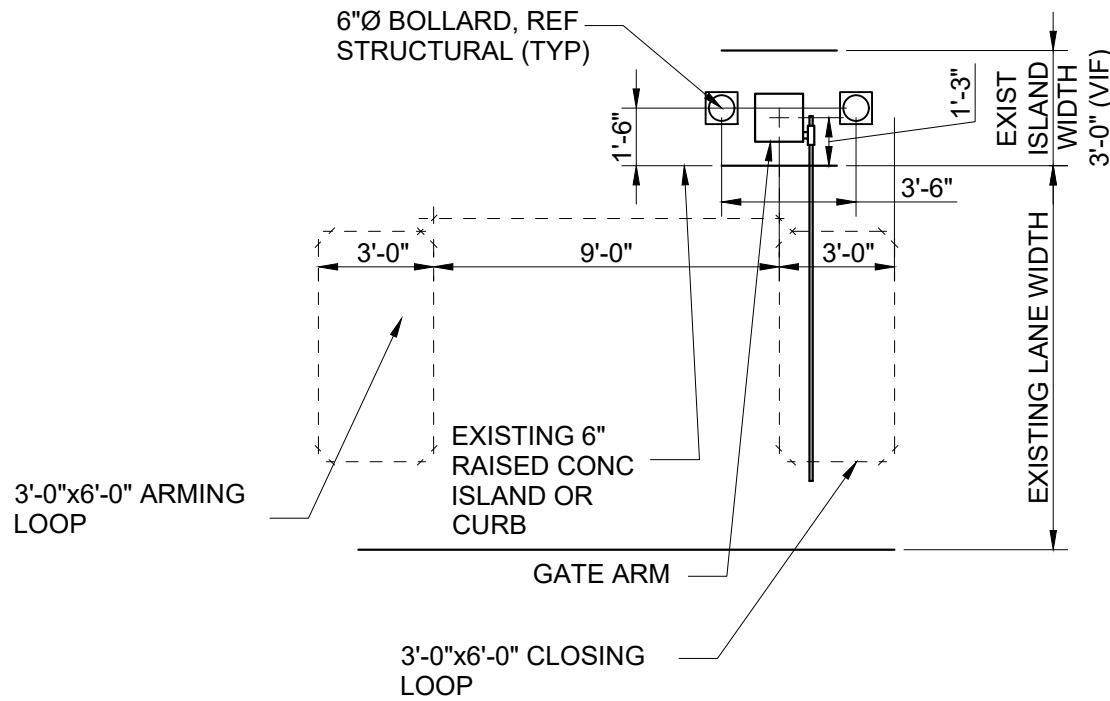




1  
CX1-112  
TERMINAL B VALET ENTRY LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"



3  
CX1-112  
TERMINAL B VALET ENTRY DETAIL  
SCALE: 1"=60'-0"



2  
CX1-112  
TERMINAL B VALET DETAIL  
SCALE: 1"=60'-0"

NOTES:

1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
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4. [XXXX] INDICATES LANE NUMBER.

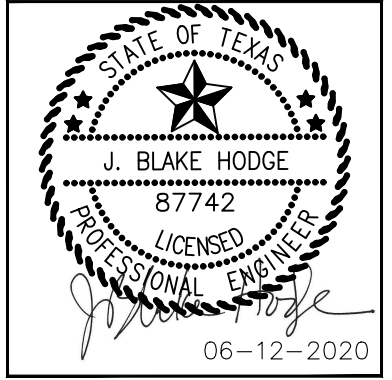
**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: 4-208  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

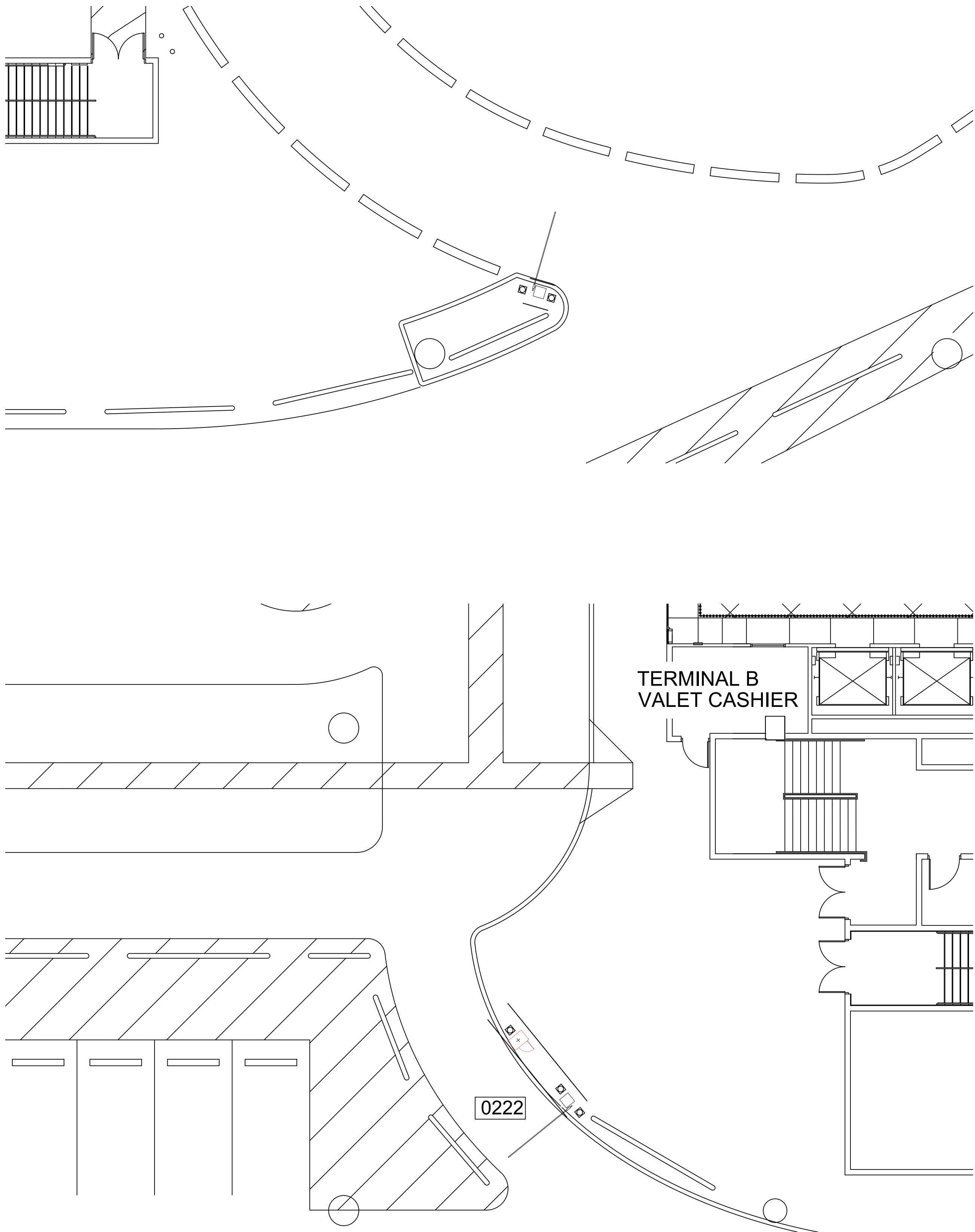
PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. 067810800	
C.I.P. NO.	
H.A.S. NO.	
PN HKE-PARCS-2020-003	
SHEET NO.	

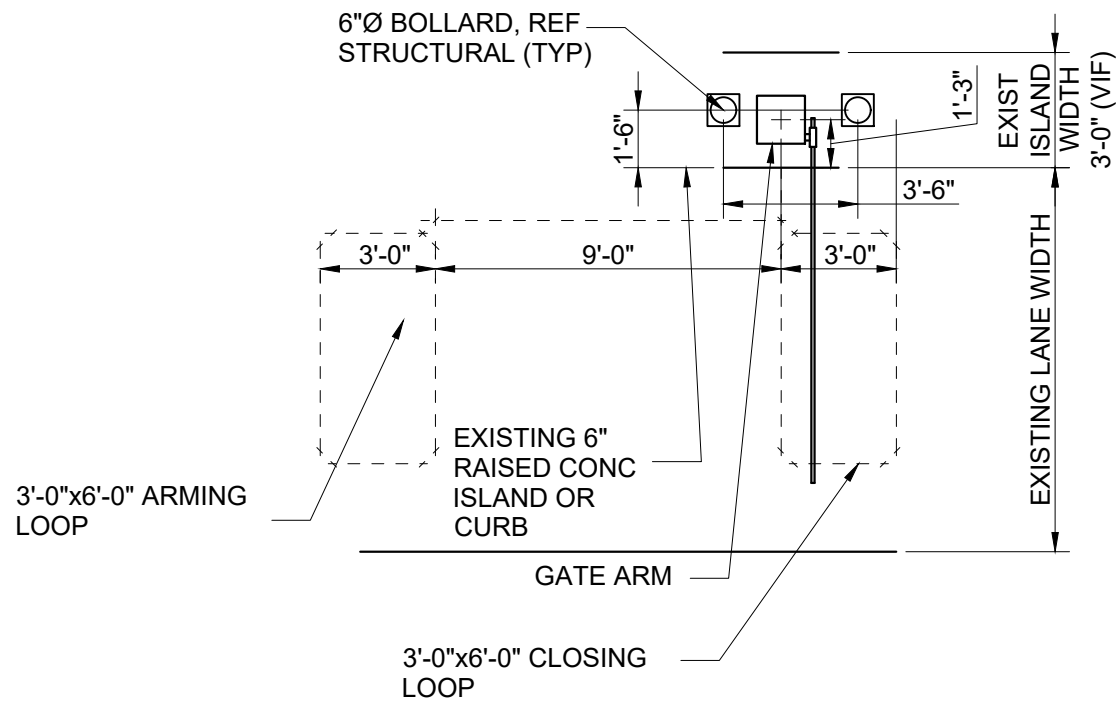




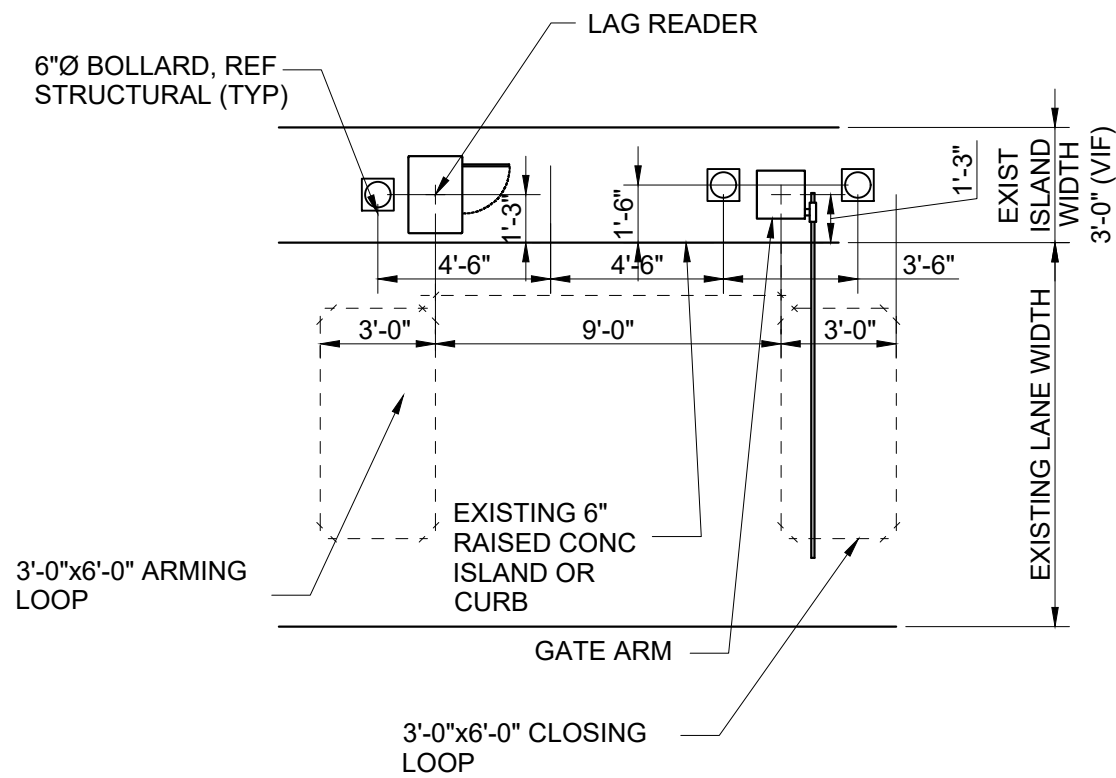
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CX1-113  
TERMINAL B VALET LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"

NOTES:

1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
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4. [XXXX] INDICATES LANE NUMBER.



3  
CX1-113  
TERMINAL B VALET DETAIL  
SCALE: 1"=60'-0"



2  
CX1-113  
TERMINAL B VALET DETAIL  
SCALE: 1"=60'-0"

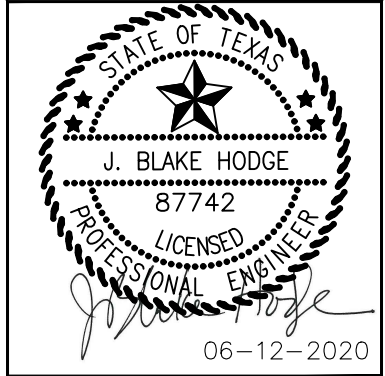
**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: F-528  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY: DATE:

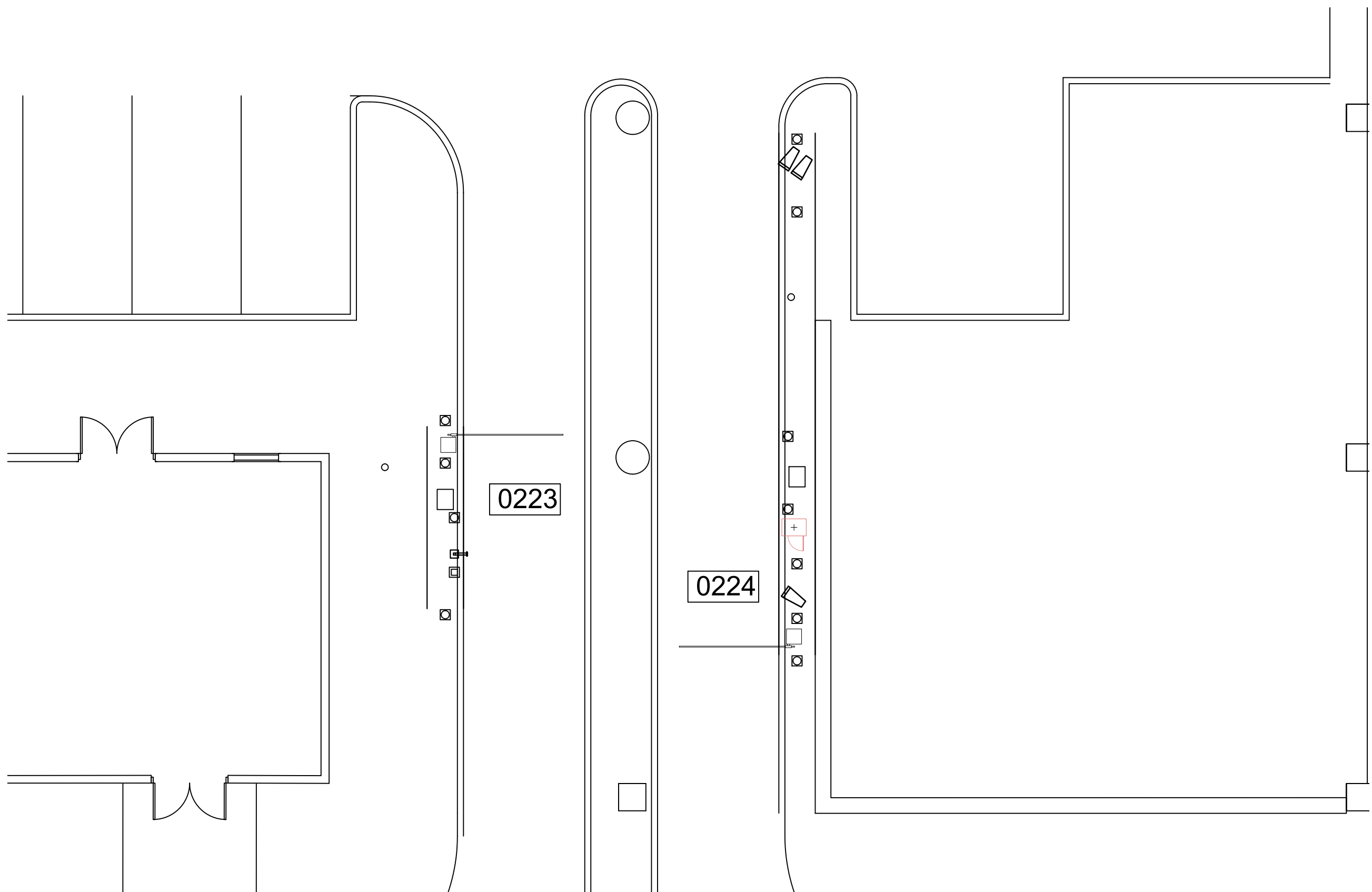
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

CX1-113



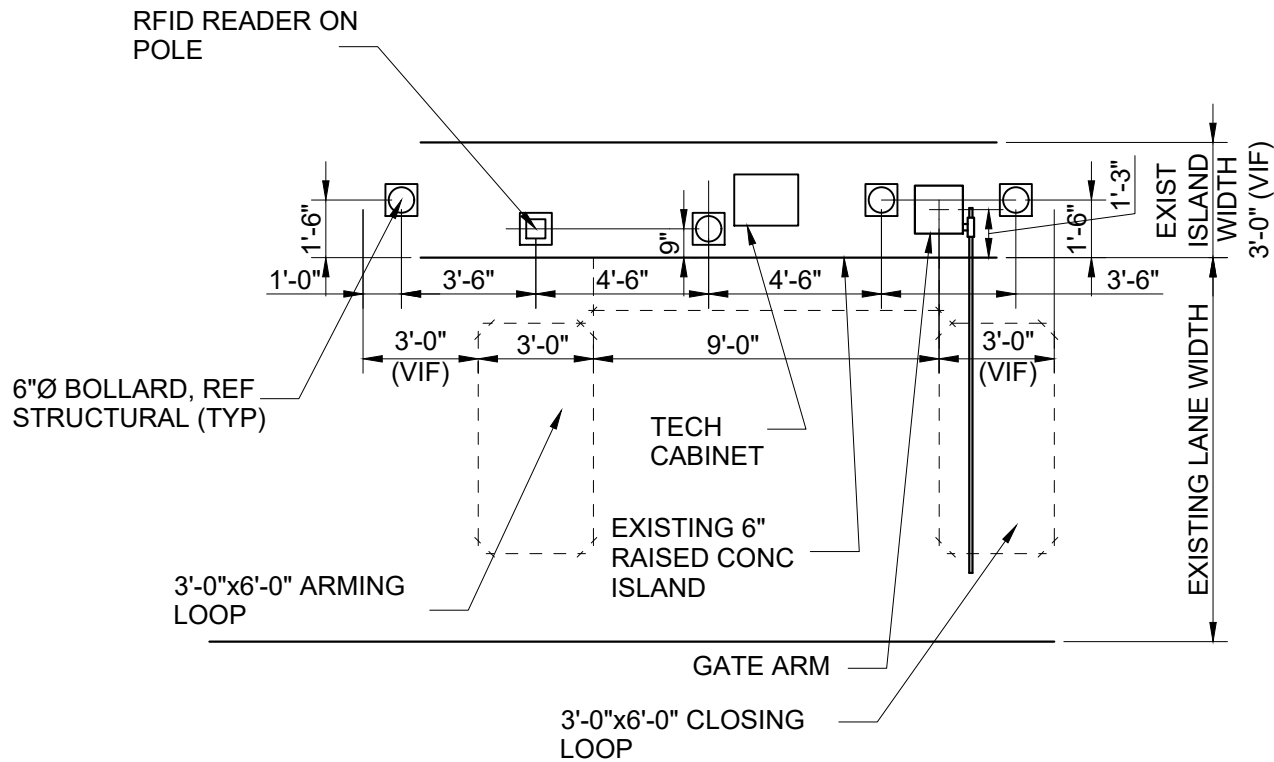


1  
CX1-114

TERMINAL B VALET/CONTRACT EXIT/CONTRACT ENTRY LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"

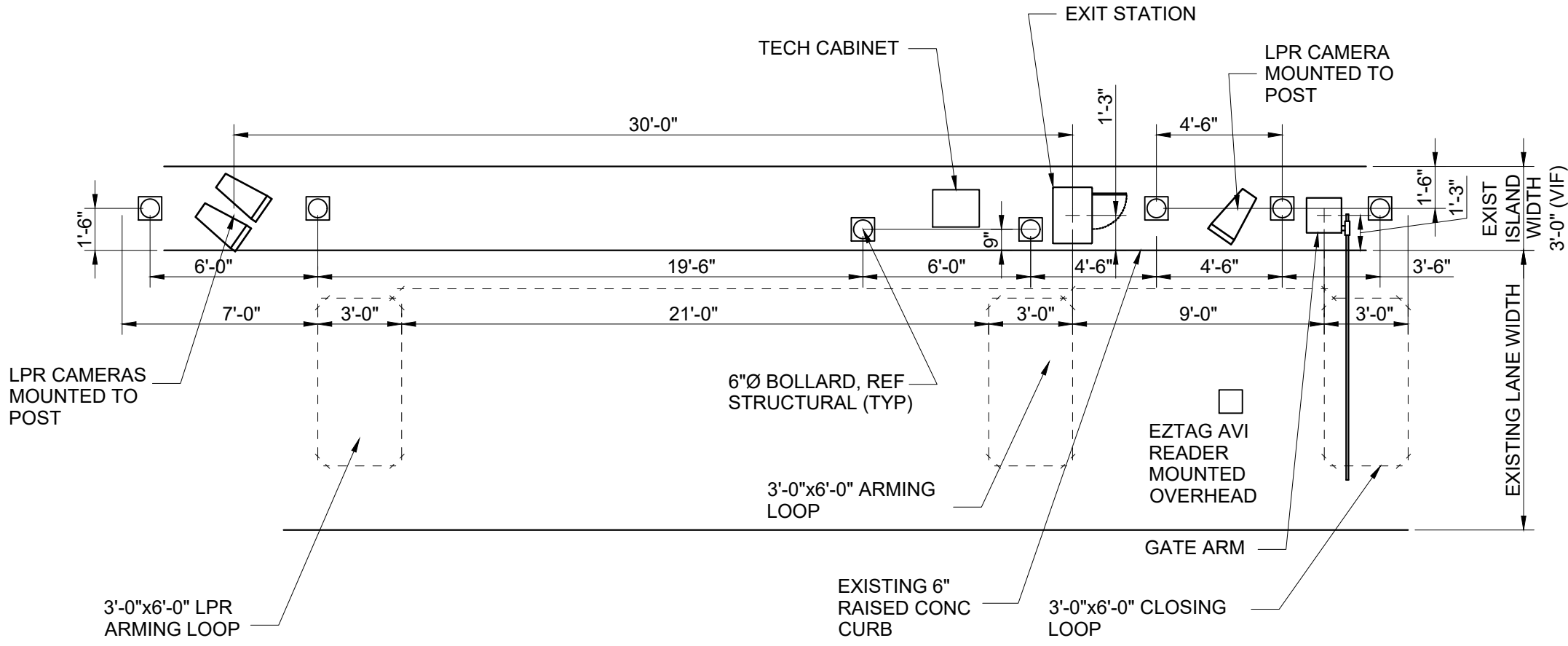
NOTES:

1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
2. REFERENCE SX1-100 FOR NEW ISLAND AND BOLLARD DETAILS.
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4. [XXXX] INDICATES LANE NUMBER.



3  
CX1-114

TERMINAL B CONTRACT ENTRY DETAIL  
SCALE: 1"=60'-0"



2  
CX1-114

TERMINAL B VALET EXIT DETAIL  
SCALE: 1"=60'-0"

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY: DATE:

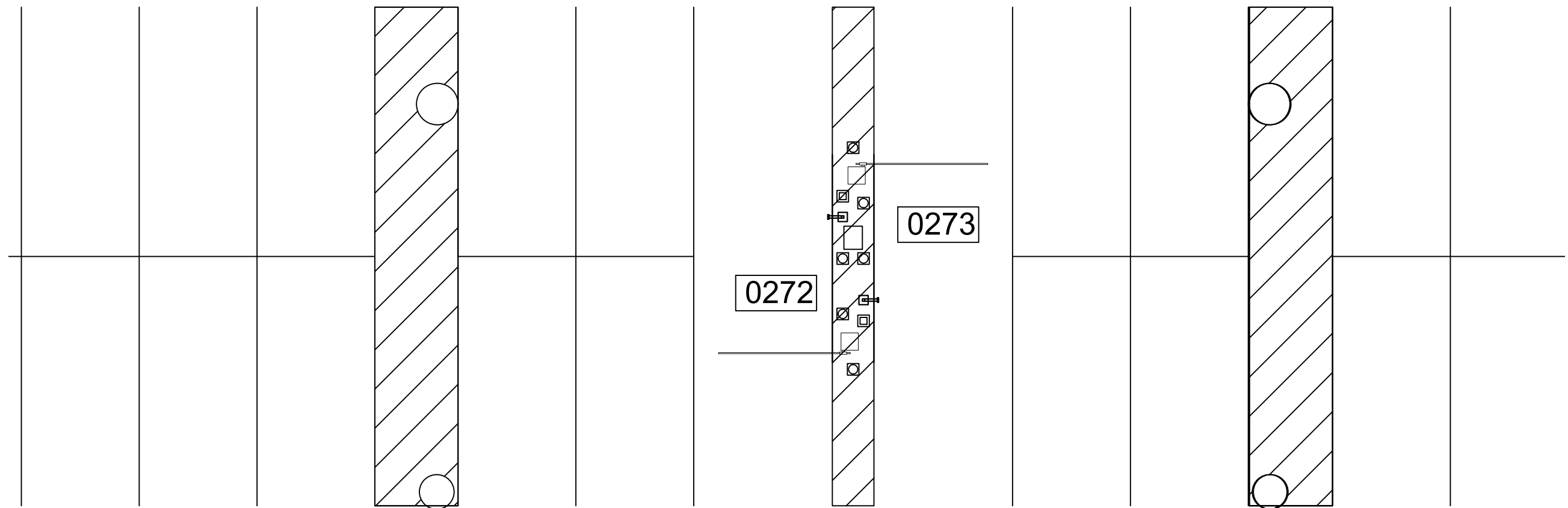
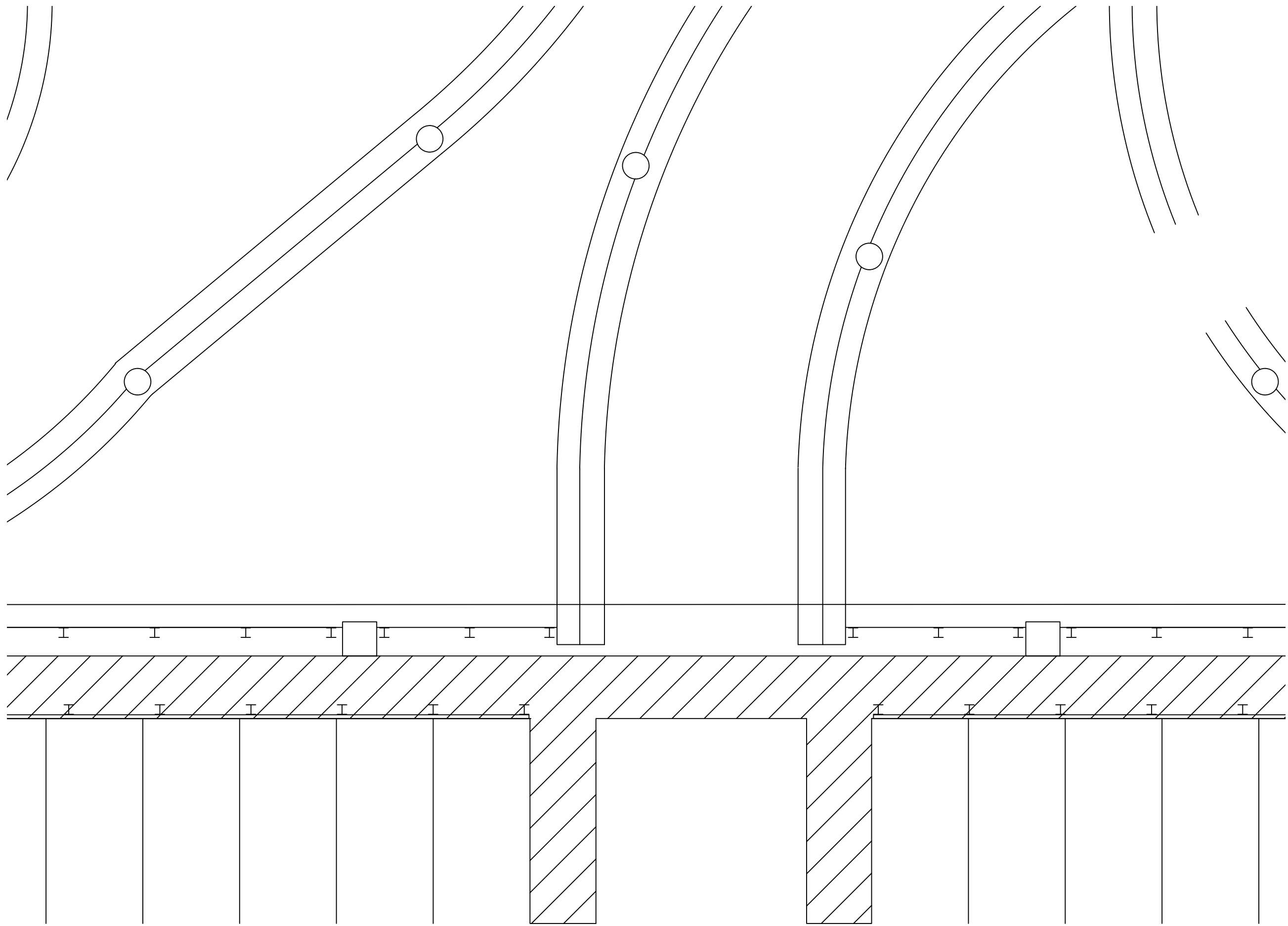
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

CX1-114

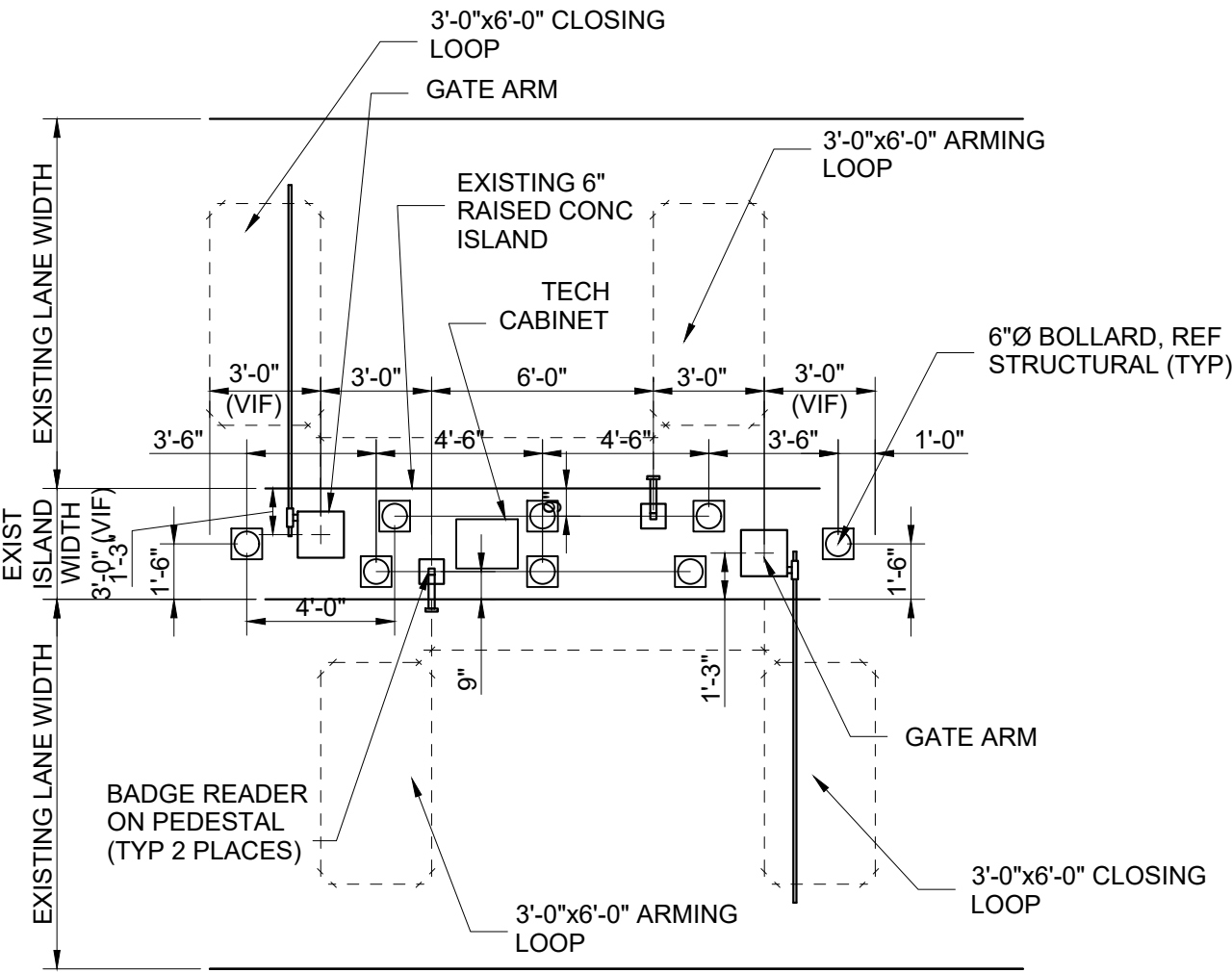





1  
CX1-115  
TERMINAL A/B VALET STORAGE LOCATION (LEVEL 7)  
SCALE: 1"=100'-0"

NOTES:


1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
2. REFERENCE SX1-100 FOR NEW ISLAND AND BOLLARD DETAILS.
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4. [XXXX] INDICATES LANE NUMBER.



2  
CX1-115  
TERMINAL A/B VALET STORAGE DETAIL  
SCALE: 1"=60'-0"



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTONTEXAS




KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
FAX: 281-475-2817  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



J. BLAKE HODGE  
67742  
LICENSED PROFESSIONAL ENGINEER  
06-12-2020

APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. 067810800	
C.I.P. NO.	
H.A.S. NO.	
PN HKE-PARCS-2020-003	
SHEET NO.	

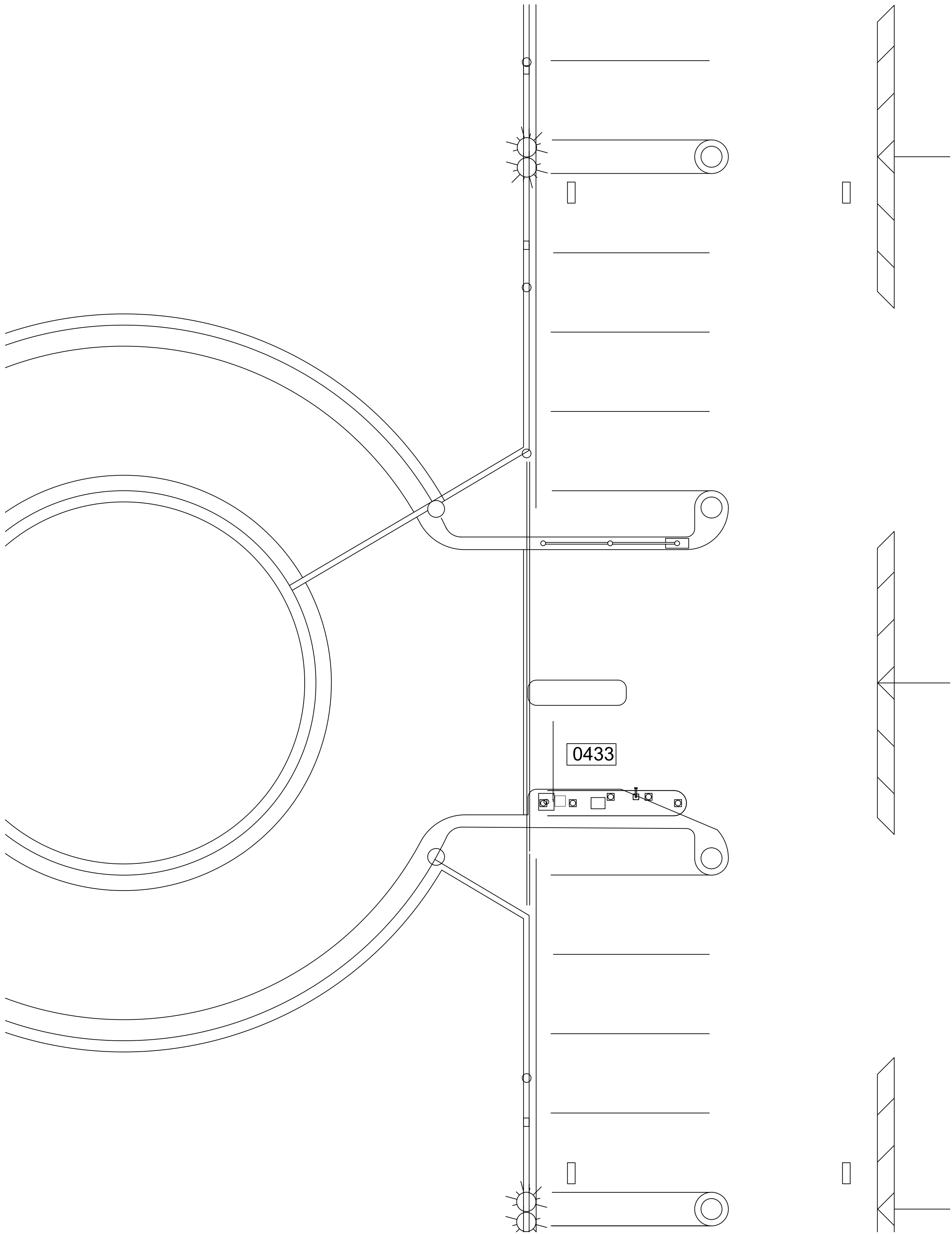
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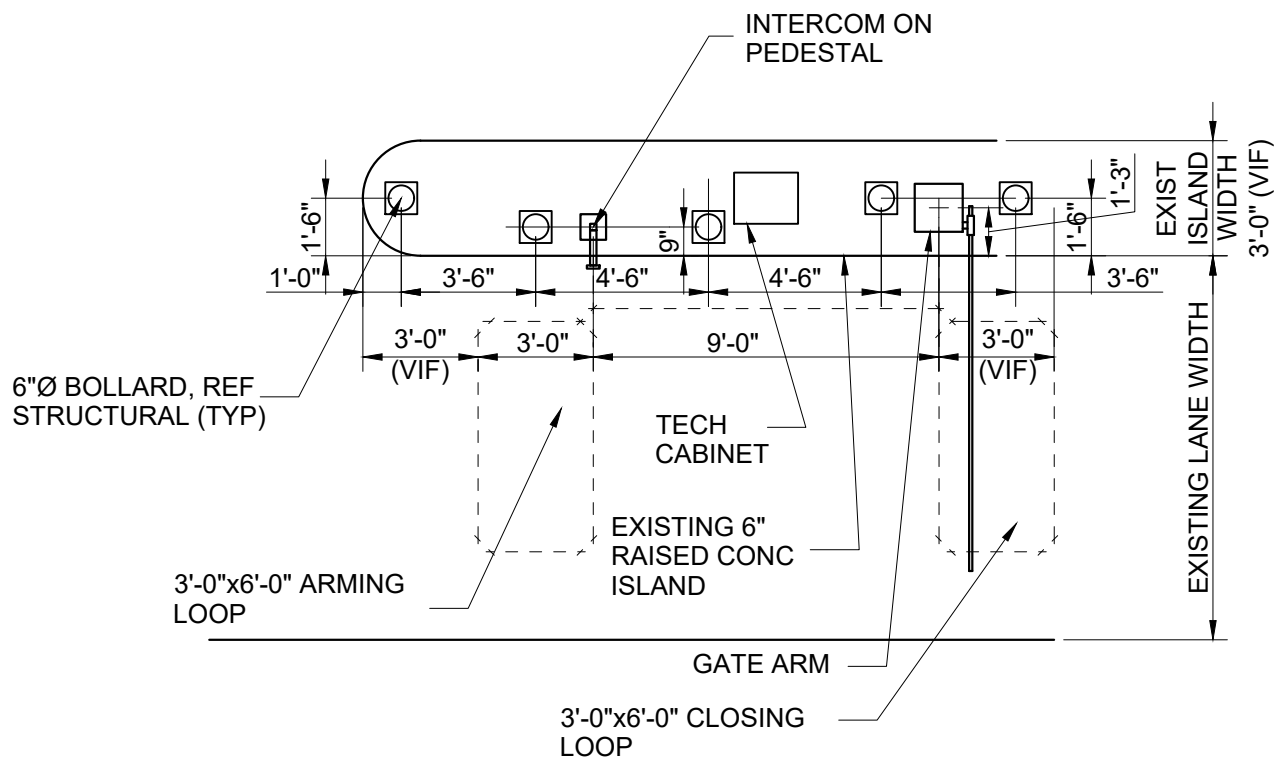


1  
CX1-117

TERMINAL B CONTRACT EXIT LOCATION (LEVEL 3)  
SCALE: 1"=100'-0"

NOTES:

1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
2. REFERENCE SX1-100 FOR NEW ISLAND AND BOLLARD DETAILS.
3. DIMENSIONS SHOWN FOR PARCS EQUIPMENT PLACEMENT AND EXTENTS OF NEW CURB/ISLAND ARE FOR BIDDING PURPOSES ONLY. THE PARCS VENDOR SELECTED BY THE AIRPORT MAY HAVE DIFFERENT REQUIREMENTS.
4. [XXXX] INDICATES LANE NUMBER.



2  
CX1-117

TERMINAL B CONTRACT EXIT DETAIL  
SCALE: 1"=60'-0"

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: 4-528  
WWW.KIMLEY-HORN.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY: DATE:

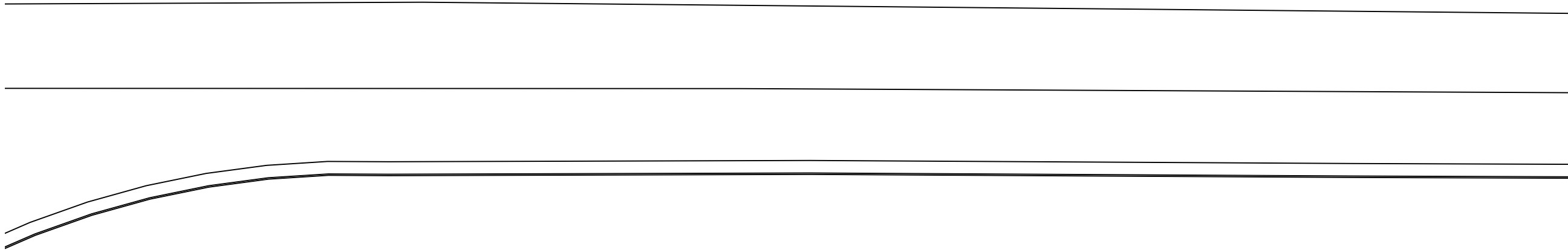
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

CX1-117

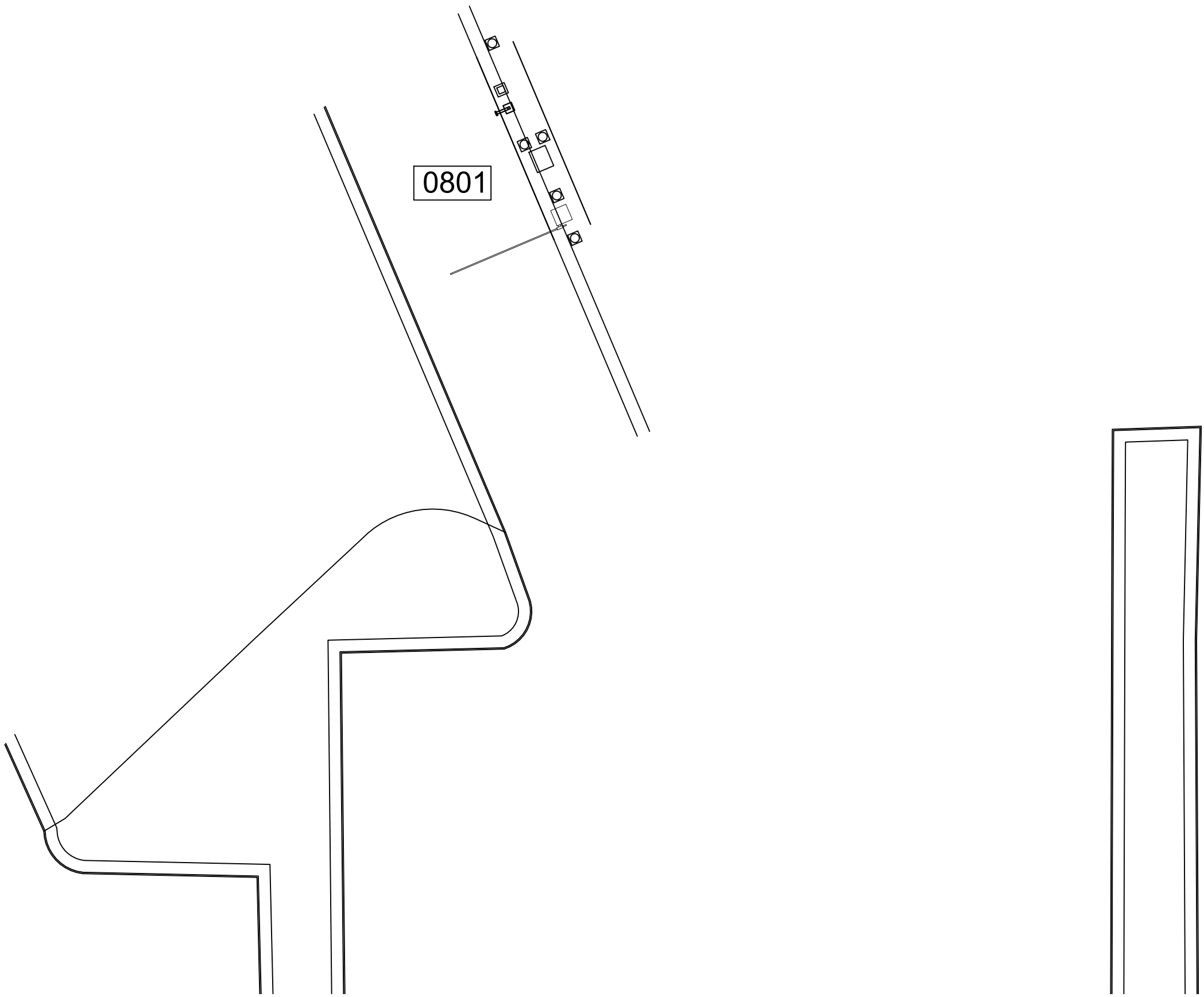




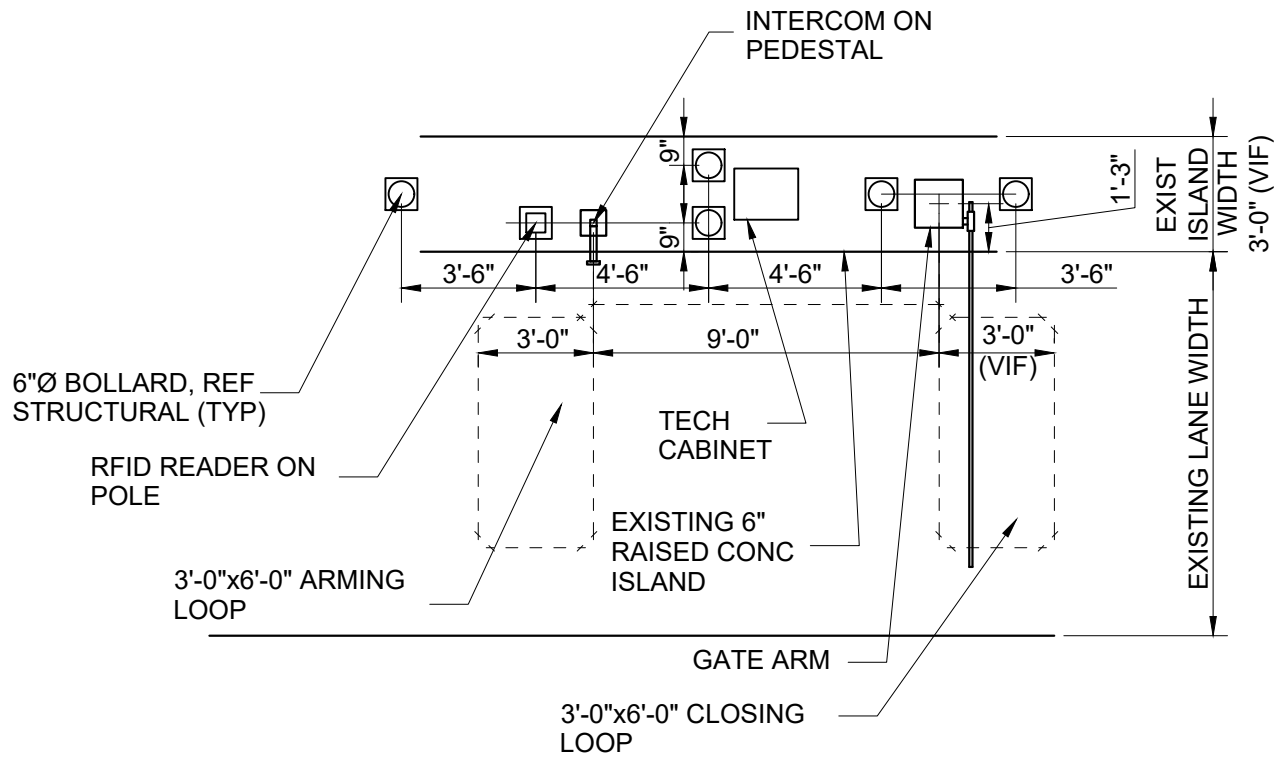
1 PARKING LOT 6 ENTRY LOCATION (GROUND LEVEL)  
CX1-118 SCALE: 1"=100'-0"

NOTES:

1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
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4. [XXXX] INDICATES LANE NUMBER.



2 PARKING LOT 6 ENTRY DETAIL  
CX1-118 SCALE: 1"=60'-0"



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

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THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED REGISTRATION # 528  
WWW.KIMLEY-HORN.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY: DATE:

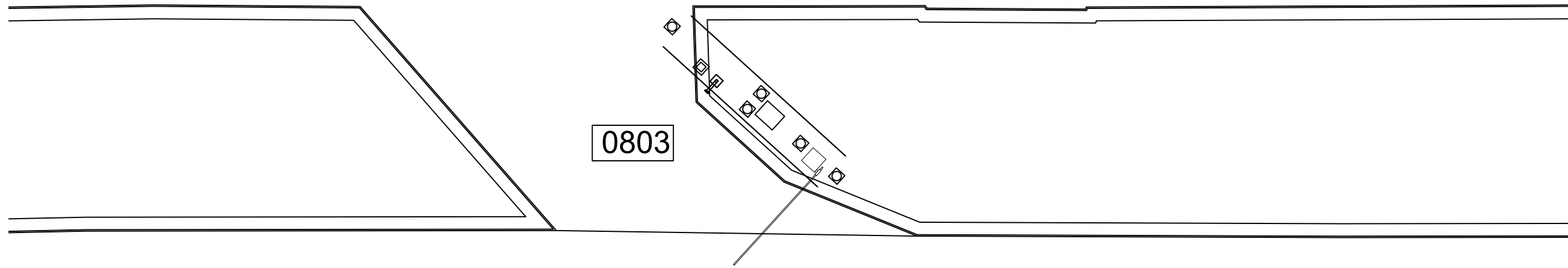
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

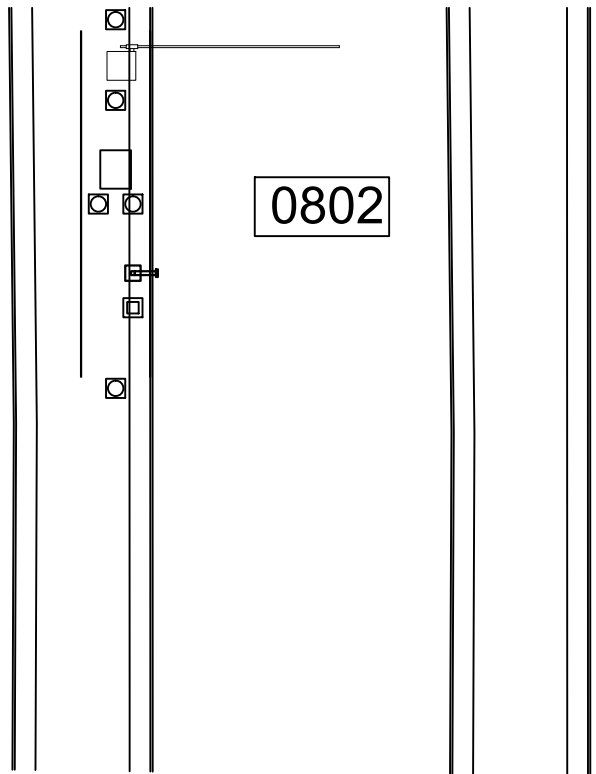
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**PN HKE-PARCS-2020-003**  
SHEET NO.

CX1-118





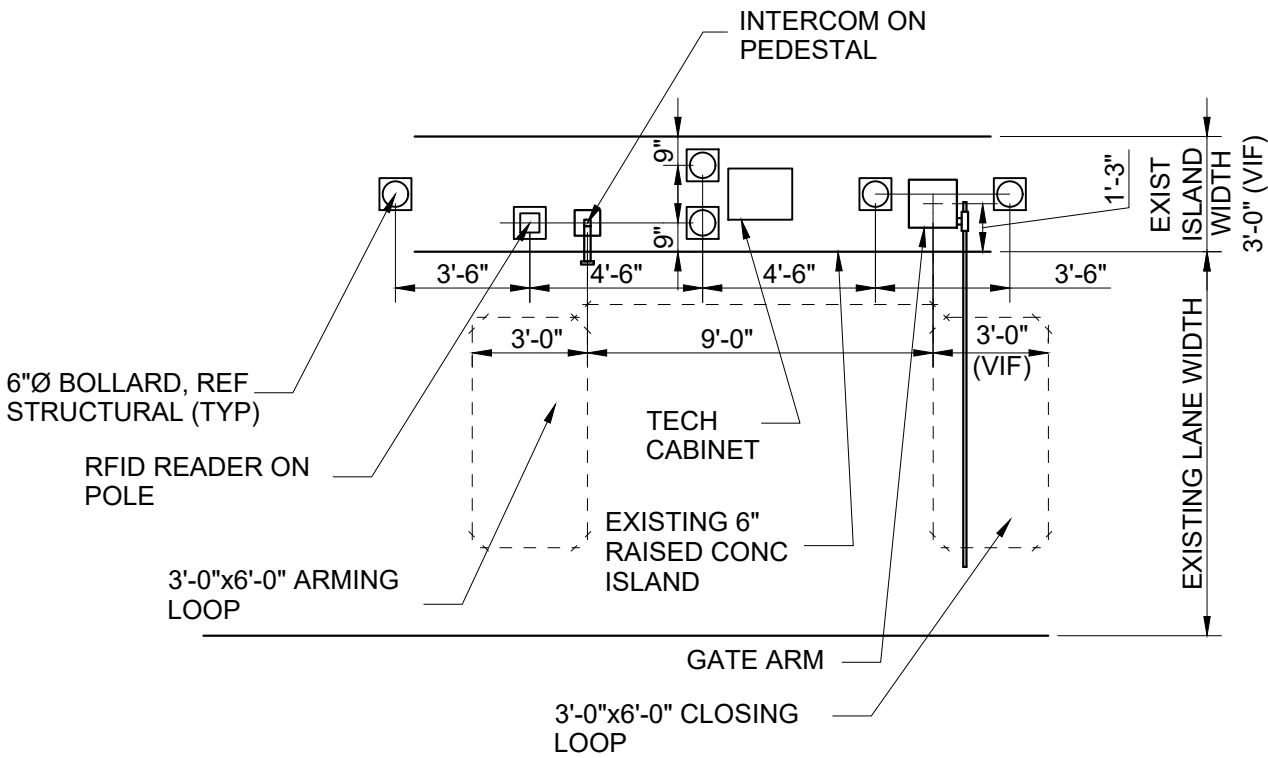
2  
CX1-119 PARKING LOT 6 EXIT LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"



1  
CX1-119 PARKING LOT 6 EXIT LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"

NOTES:

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4. [XXXX] INDICATES LANE NUMBER.



3  
CX1-119 PARKING LOT 6 EXIT DETAIL  
SCALE: 1"=60'-0"



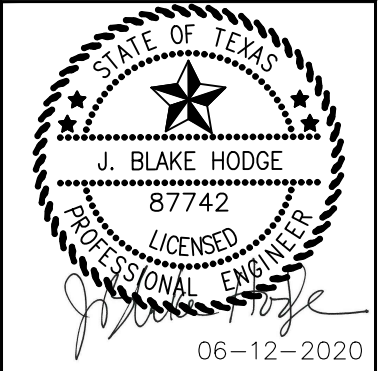
HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: 4-528  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY: DATE:

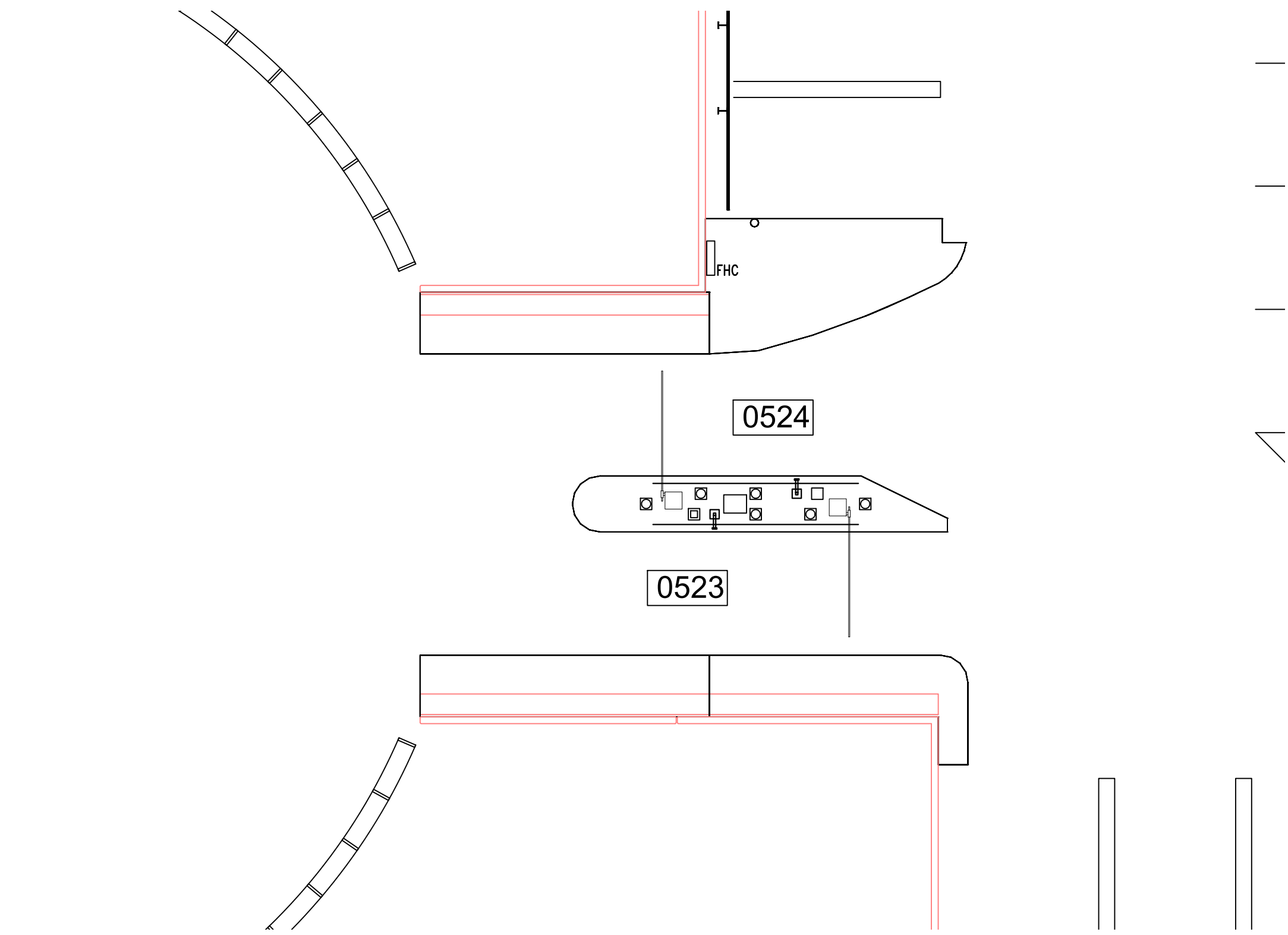
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

CX1-119

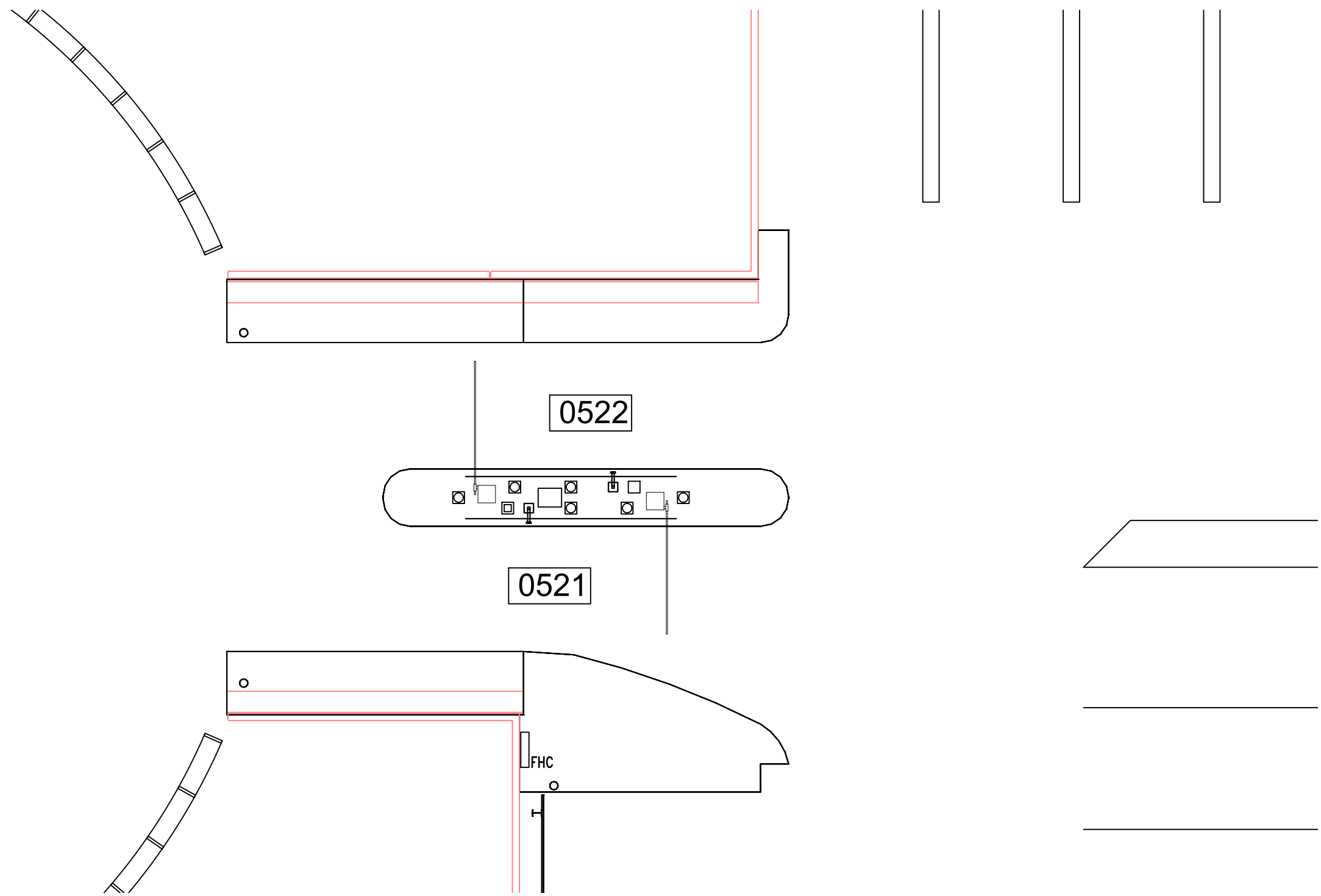




2  
CX1-120

TERMINAL C CONTRACT ENTRY/EXIT LOCATION (LEVEL 2)

SCALE: 1"=100'-0"



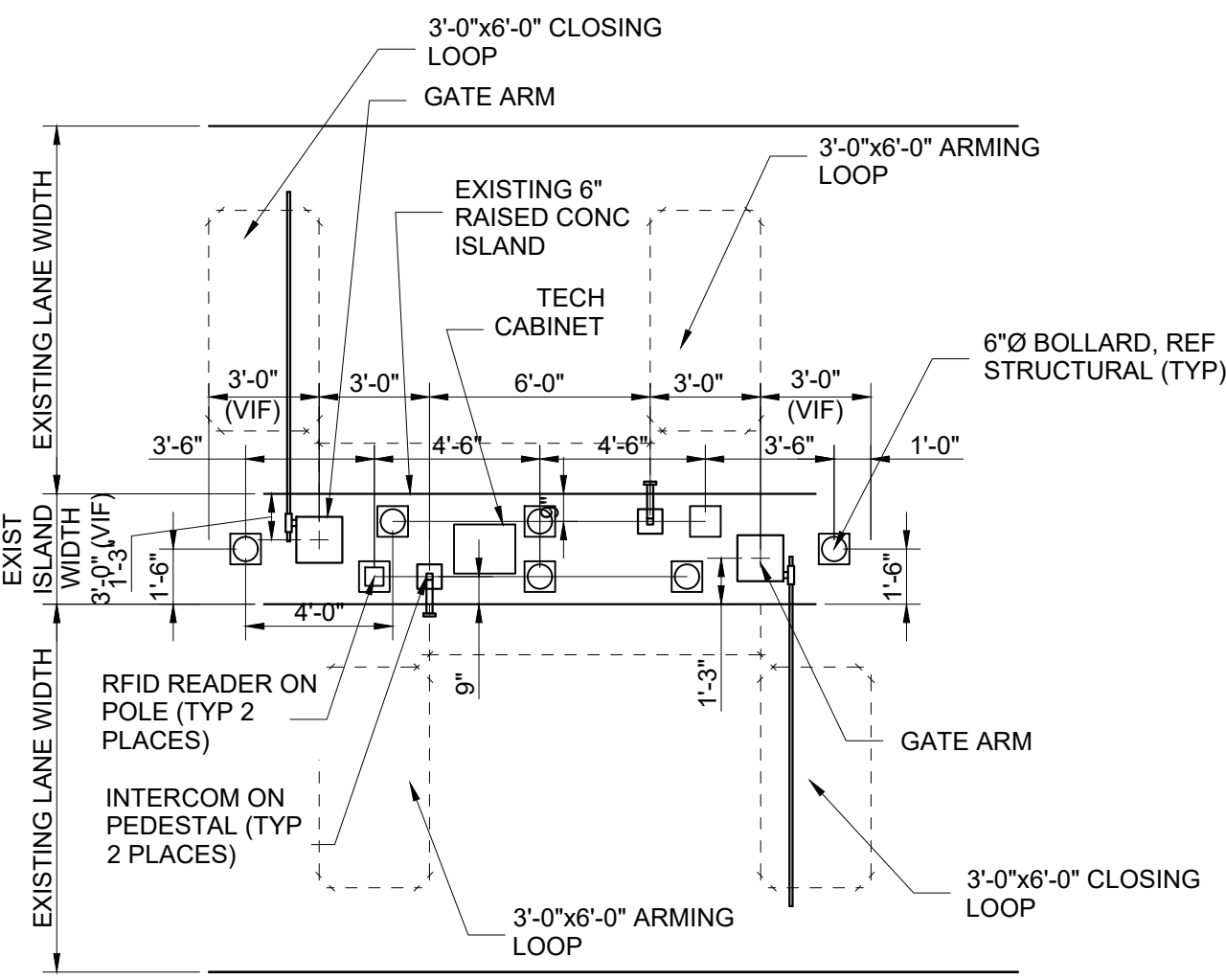
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CX1-120

TERMINAL C CONTRACT ENTRY/EXIT LOCATION (LEVEL 2)

SCALE: 1"=100'-0"

NOTES:

1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
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4. [XXXX] INDICATES LANE NUMBER.



3  
CX1-120

TERMINAL C CONTRACT ENTRY/EXIT DETAIL

SCALE: 1"=60'-0"



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTONTEXAS

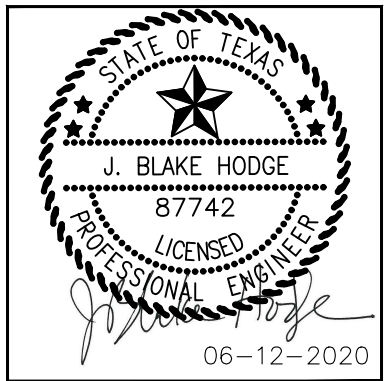
**Kimley»Horn**

KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: 5-228  
WWW.KIMLEY-HORN.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



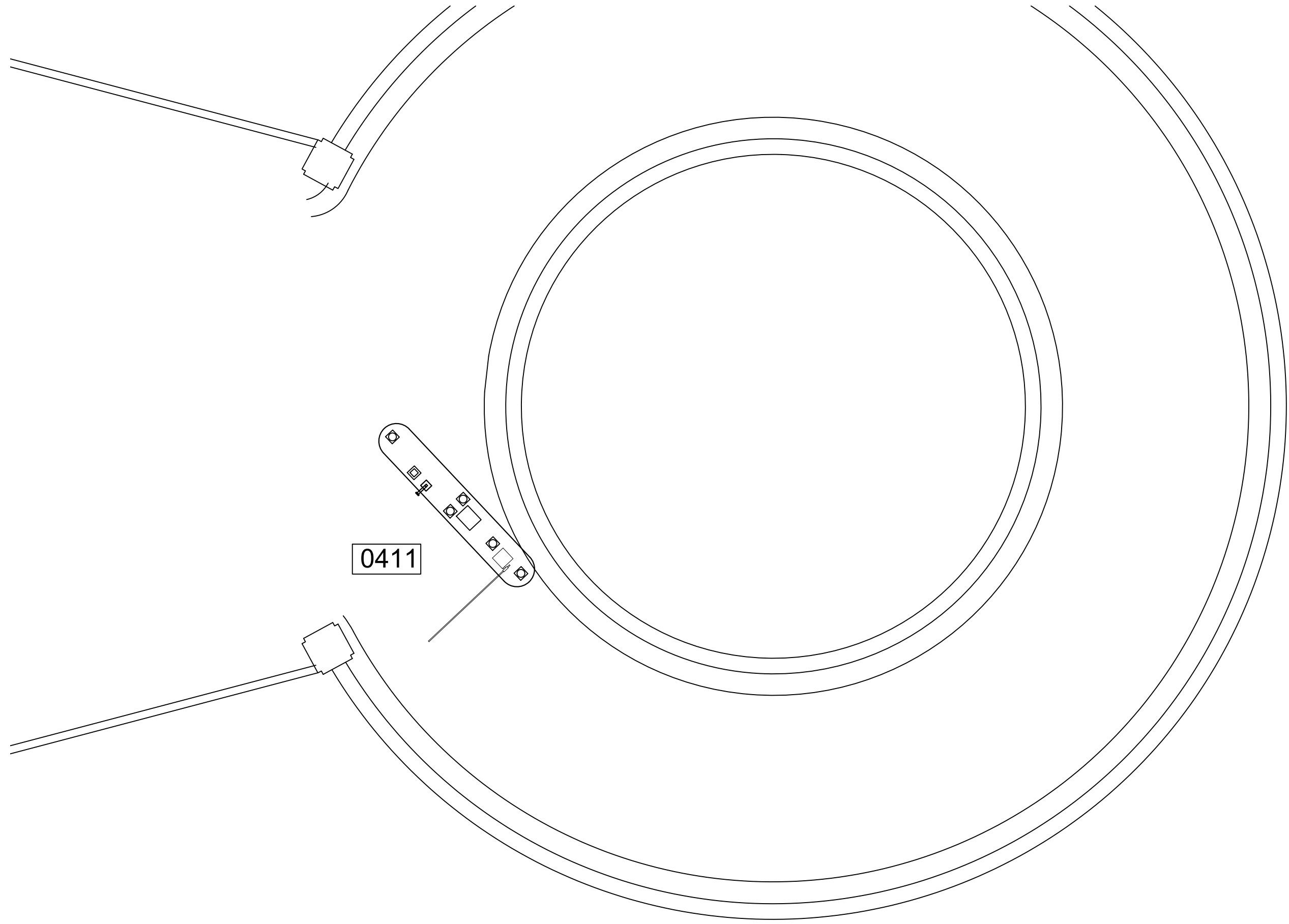
APPROVED BY:	DATE:
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DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.





1  
CX1-121

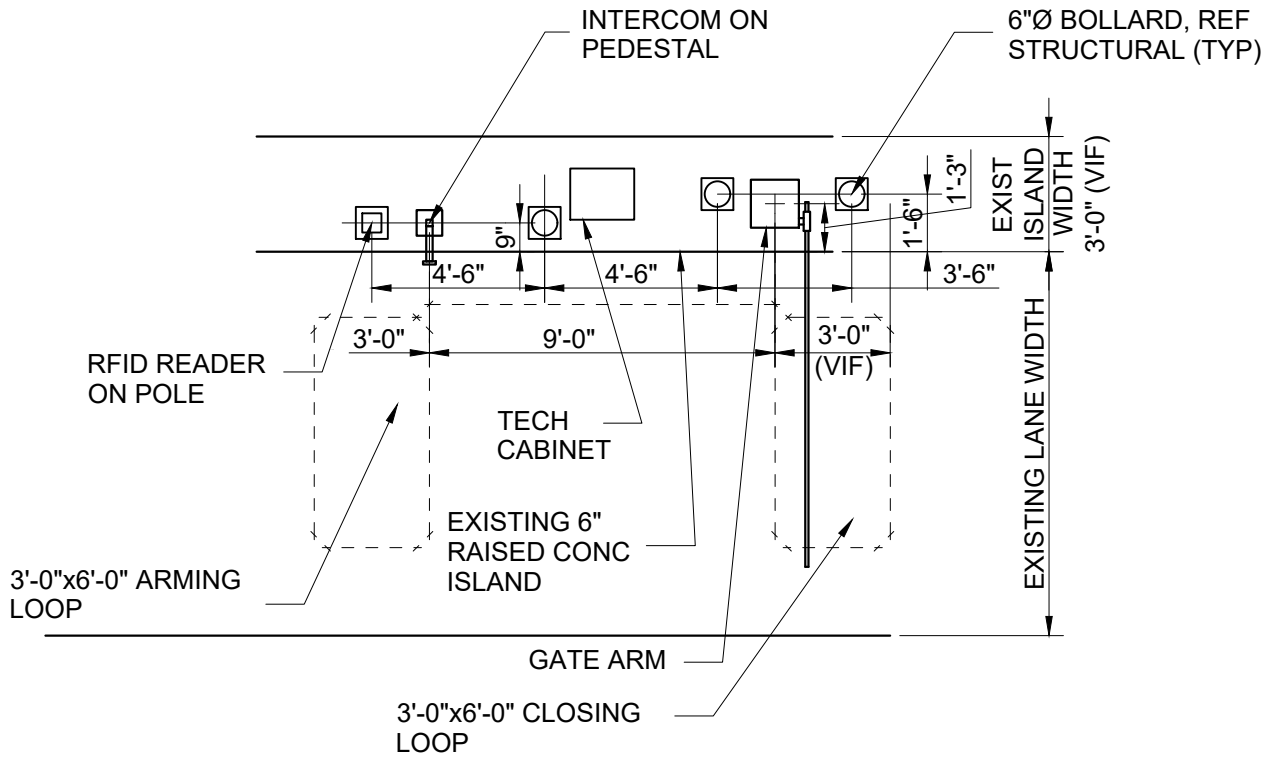
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TERMINAL B CONTRACT ENTRY LOCATION (LEVEL 1)

SCALE: 1"=100'-0"

NOTES:

1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
2. REFERENCE SX1-100 FOR NEW ISLAND AND BOLLARD DETAILS.
3. DIMENSIONS SHOWN FOR PARCS EQUIPMENT PLACEMENT AND EXTENTS OF NEW CURB/ISLAND ARE FOR BIDDING PURPOSES ONLY. THE PARCS VENDOR SELECTED BY THE AIRPORT MAY HAVE DIFFERENT REQUIREMENTS.
4. [XXXX] INDICATES LANE NUMBER.



2  
CX1-121

2

TERMINAL B CONTRACT ENTRY DETAIL

SCALE: 1"=60'-0"



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTONTEXAS

Kimley»Horn

Kimley-Horn and Associates, Inc.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: 5-208  
WWW.KIMLEY-HORN.COM

PHONE: 281-475-2816  
TYPED FOR REGISTRATION: 5-208  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020

STATE OF TEXAS

J. BLAKE HODGE

67742

LICENSED PROFESSIONAL ENGINEER

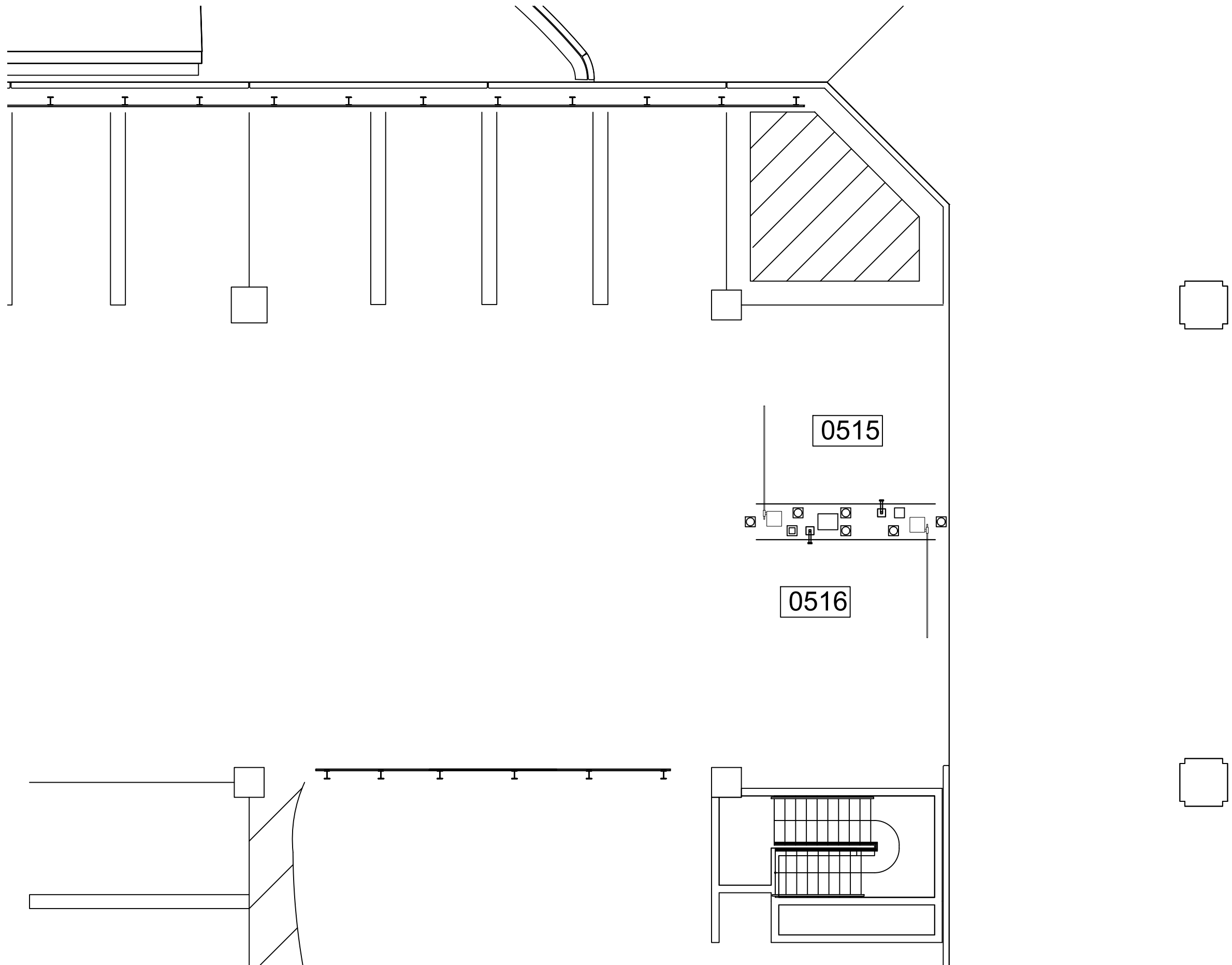


06-12-2020

APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. 067810800	
C.I.P. NO.	
H.A.S. NO.	
PN HKE-PARCS-2020-003	
SHEET NO.	

CX1-121





1  
CX1-122

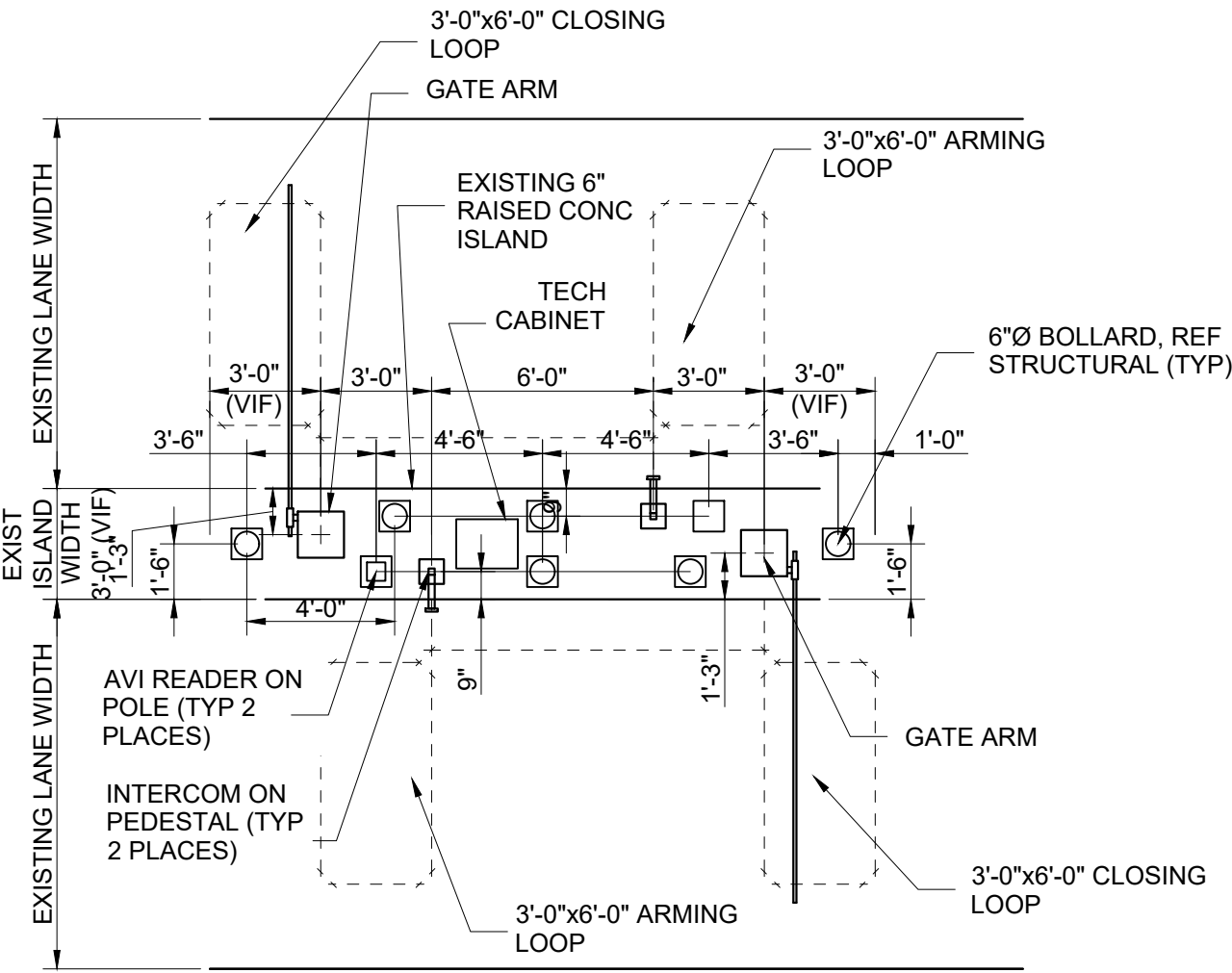
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TERMINAL C LIMO ENTRY/EXIT LOCATION (LEVEL 1)

SCALE: 1"=100'-0"

NOTES:

1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
2. REFERENCE SX1-100 FOR NEW ISLAND AND BOLLARD DETAILS.
3. DIMENSIONS SHOWN FOR PARCS EQUIPMENT PLACEMENT AND EXTENTS OF NEW CURB/ISLAND ARE FOR BIDDING PURPOSES ONLY. THE PARCS VENDOR SELECTED BY THE AIRPORT MAY HAVE DIFFERENT REQUIREMENTS.
4. [XXXX] INDICATES LANE NUMBER.




2  
CX1-122


2

TERMINAL C LIMO ENTRY/EXIT DETAIL

SCALE: 1"=60'-0"



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

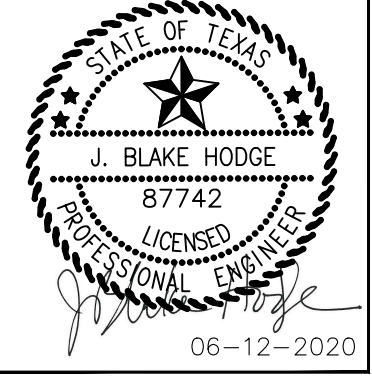


KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: 5-208  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



06-12-2020

APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. 067810800	
C.I.P. NO.	
H.A.S. NO.	
PN HKE-PARCS-2020-003	
SHEET NO.	

CX1-122

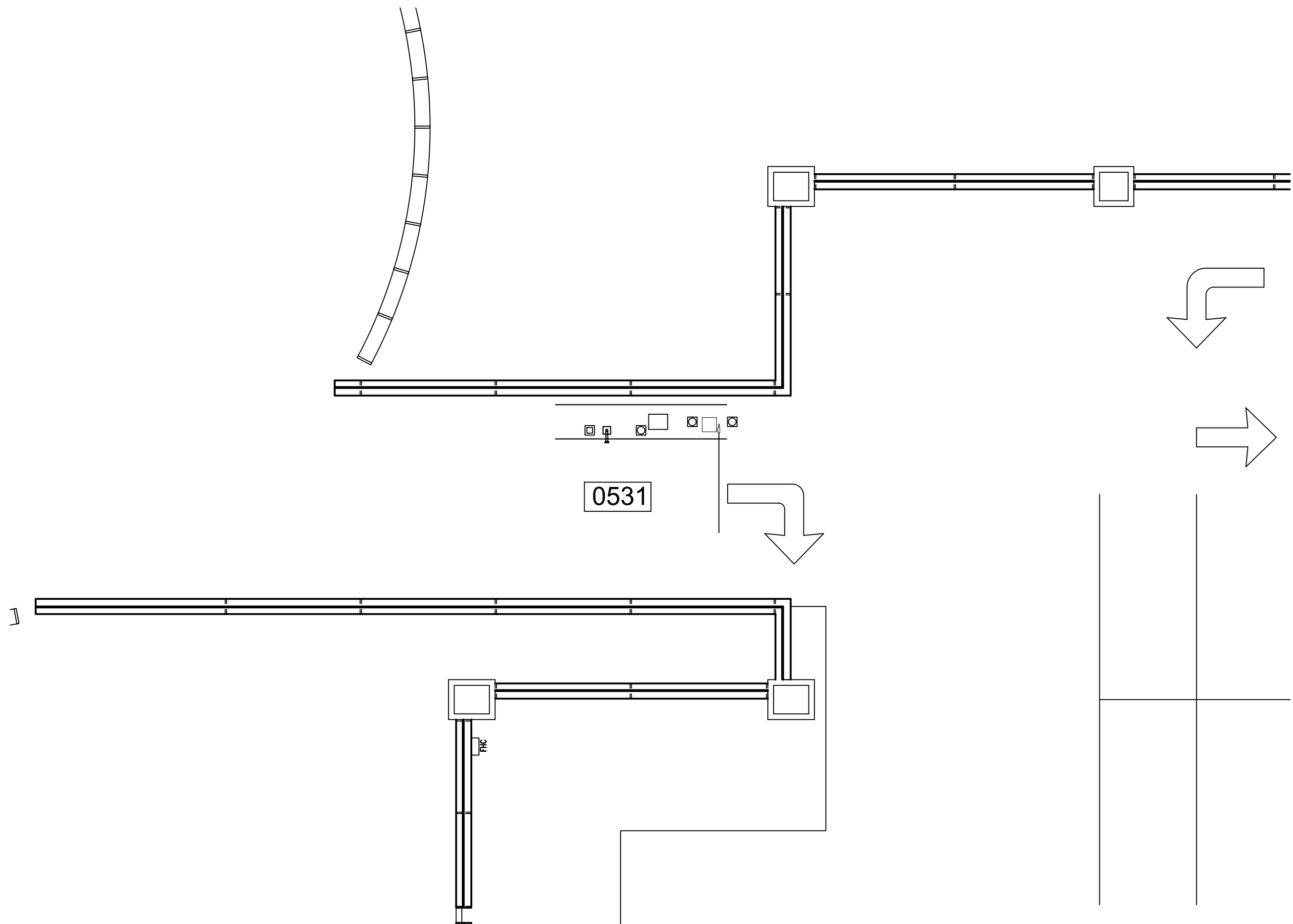


NOTES:

1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
2. REFERENCE SX1-100 FOR NEW ISLAND AND BOLLARD DETAILS.
3. DIMENSIONS SHOWN FOR PARCS EQUIPMENT PLACEMENT AND EXTENTS OF NEW CURB/ISLAND ARE FOR BIDDING PURPOSES ONLY. THE PARCS VENDOR SELECTED BY THE AIRPORT MAY HAVE DIFFERENT REQUIREMENTS.
4. 

XXXX

 INDICATES LANE NUMBER.

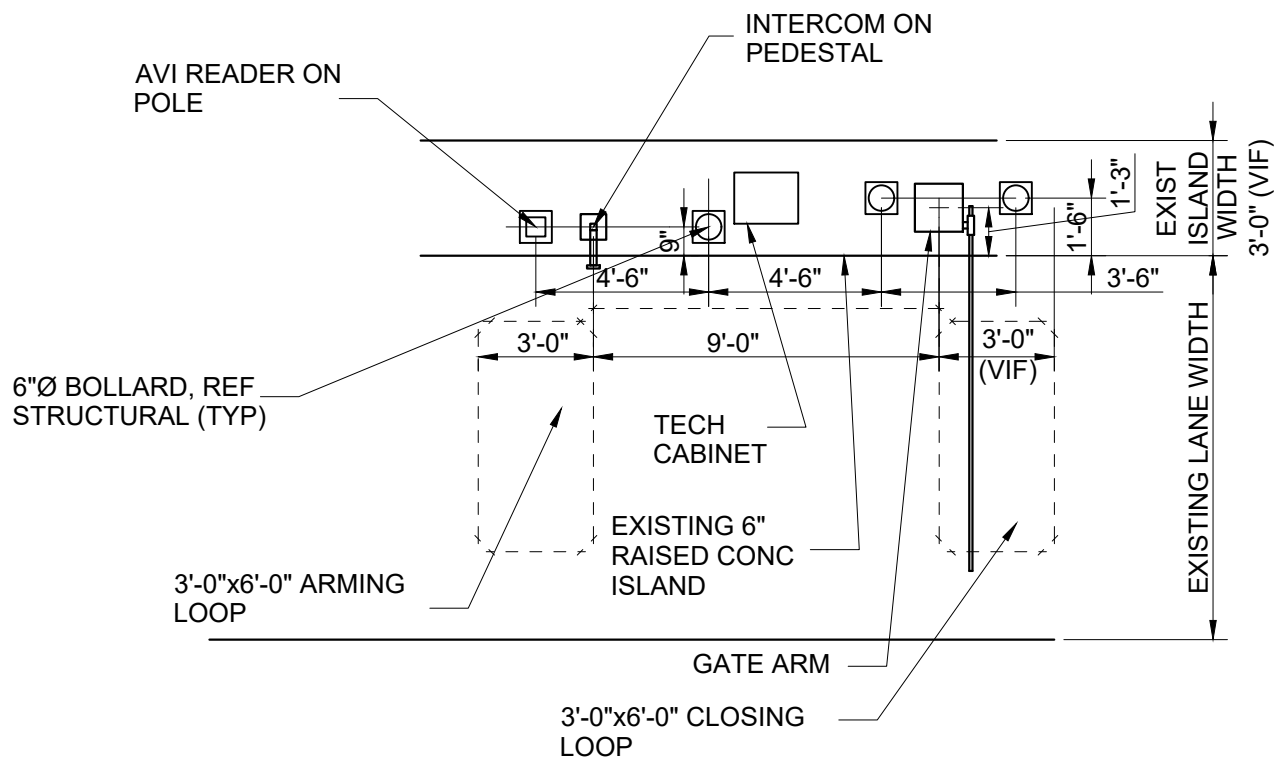


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CX1-123

TERMINAL C SUREPARK ENTRY LOCATION (LEVEL 3)

SCALE: 1"=100'-0"



2

CX1-123

TERMINAL C SUREPARK ENTRY DETAIL

SCALE: 1"=60'-0"

REVISIONS		
NO.	DESCRIPTION	DATE BY

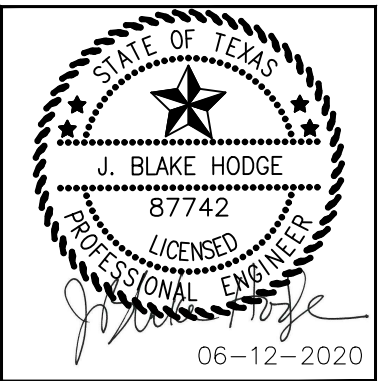
PARKING ACCESS AND REVENUE CONTROL

SYSTEMS (PARCS) GEORGE BUSH

INTERCONTINENTAL AIRPORT (IAH)

LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY:	DATE:
--------------	-------

DIRECTOR

HOUSTON AIRPORT SYSTEM

PROJECT NO.

067810800

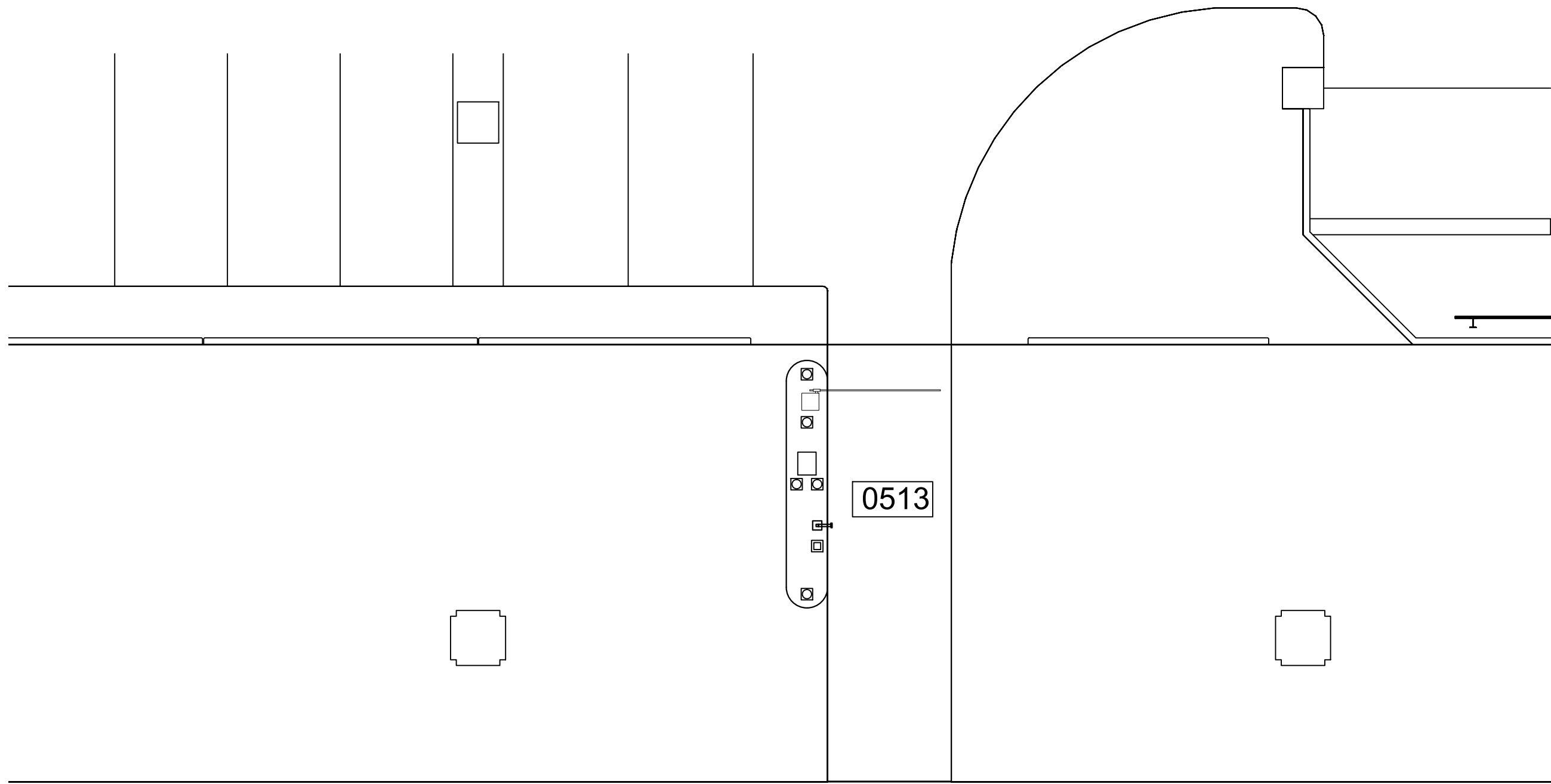
C.I.P. NO.

H.A.S. NO.

PN HKE-PARCS-2020-003

SHEET NO.

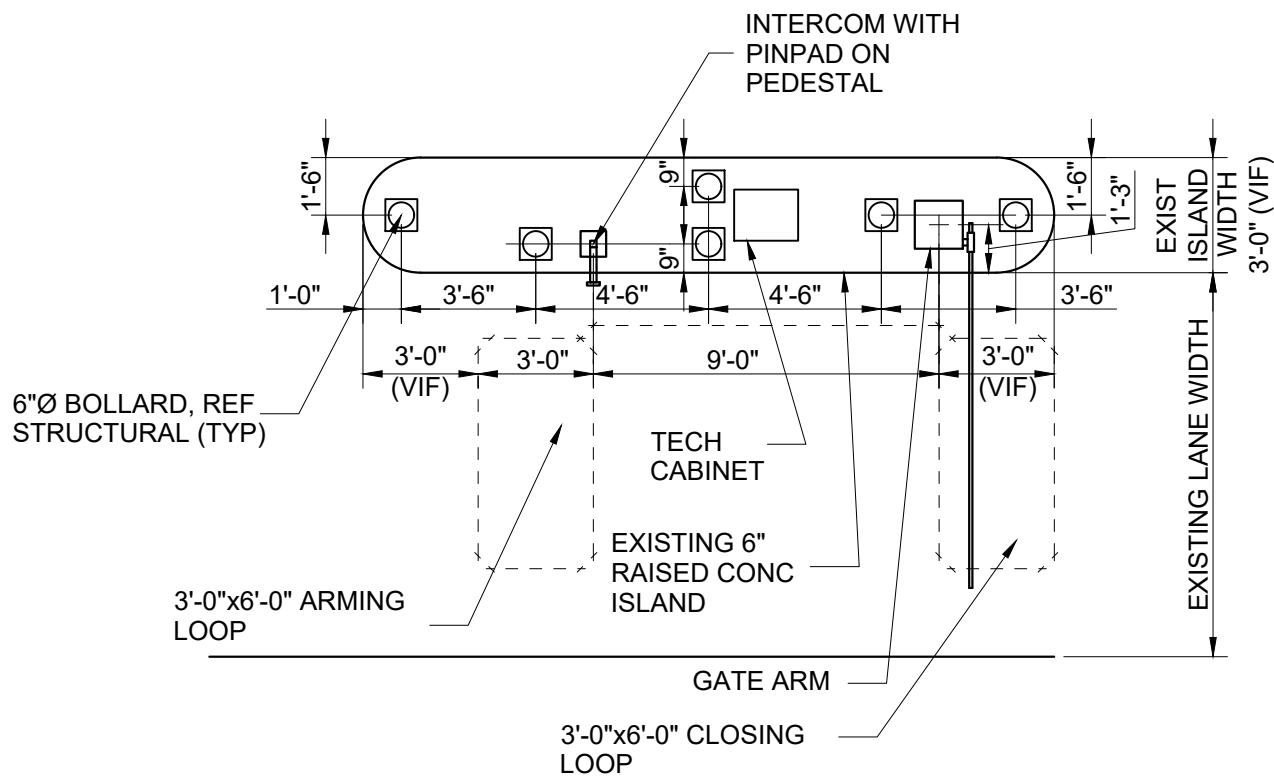




1  
CX1-124  
TERMINAL C UA EXECUTIVE ENTRY LOCATION (LEVEL 1)  
SCALE: 1"=100'-0"

## NOTES:

1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
2. REFERENCE SX1-100 FOR NEW ISLAND AND BOLLARD DETAILS.
3. DIMENSIONS SHOWN FOR PARCS EQUIPMENT PLACEMENT AND EXTENTS OF NEW CURB/ISLAND ARE FOR BIDDING PURPOSES ONLY. THE PARCS VENDOR SELECTED BY THE AIRPORT MAY HAVE DIFFERENT REQUIREMENTS.
4. [XXXX] INDICATES LANE NUMBER.



2  
CX1-124  
TERMINAL C UA EXECUTIVE ENTRY DETAIL  
SCALE: 1"=60'-0"



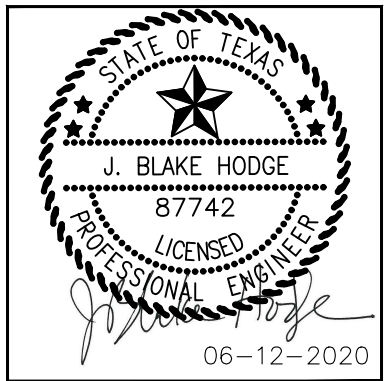
HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: J. S. B. 10/10  
WWW.KIMLEY-HORN.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

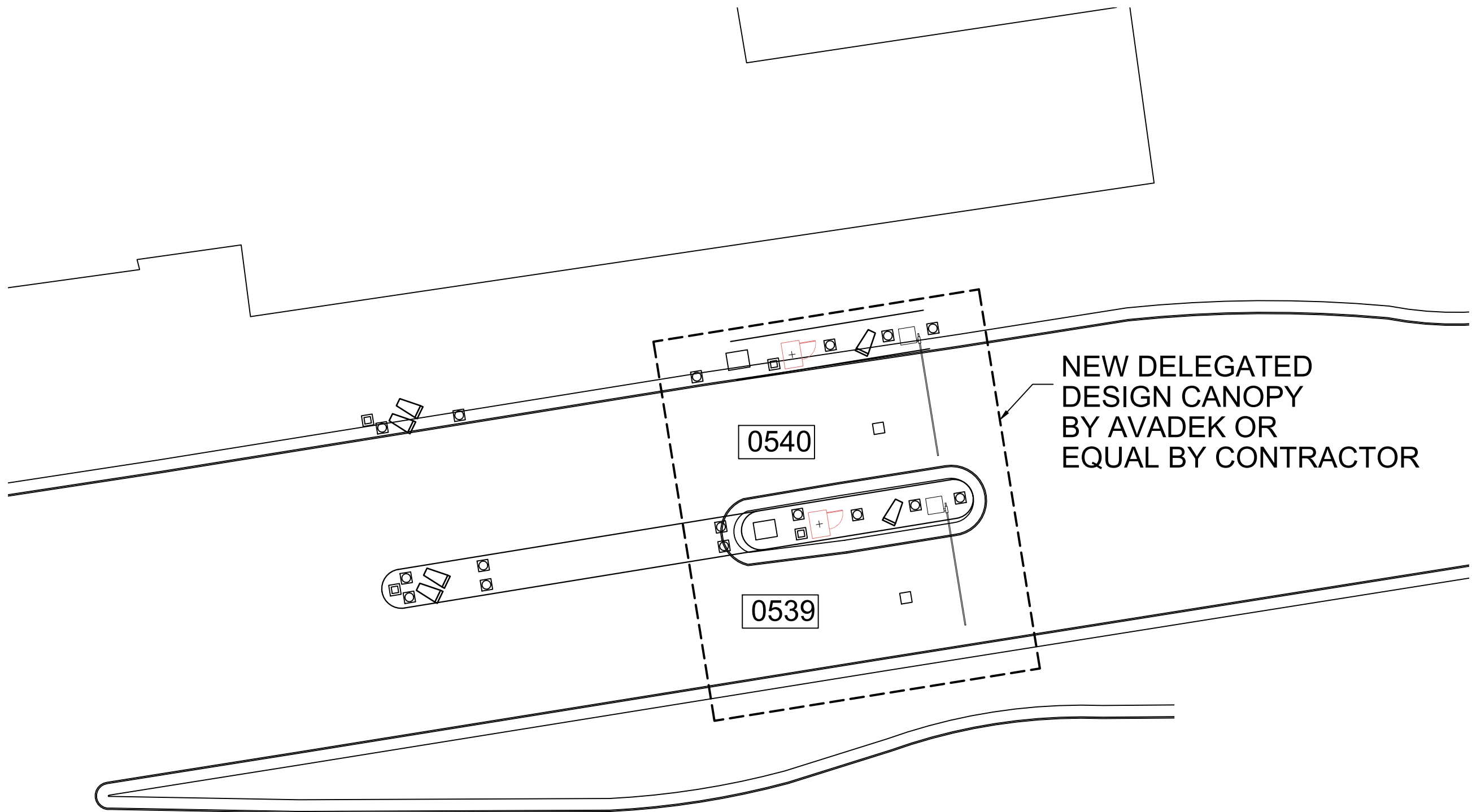
H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

CX1-124

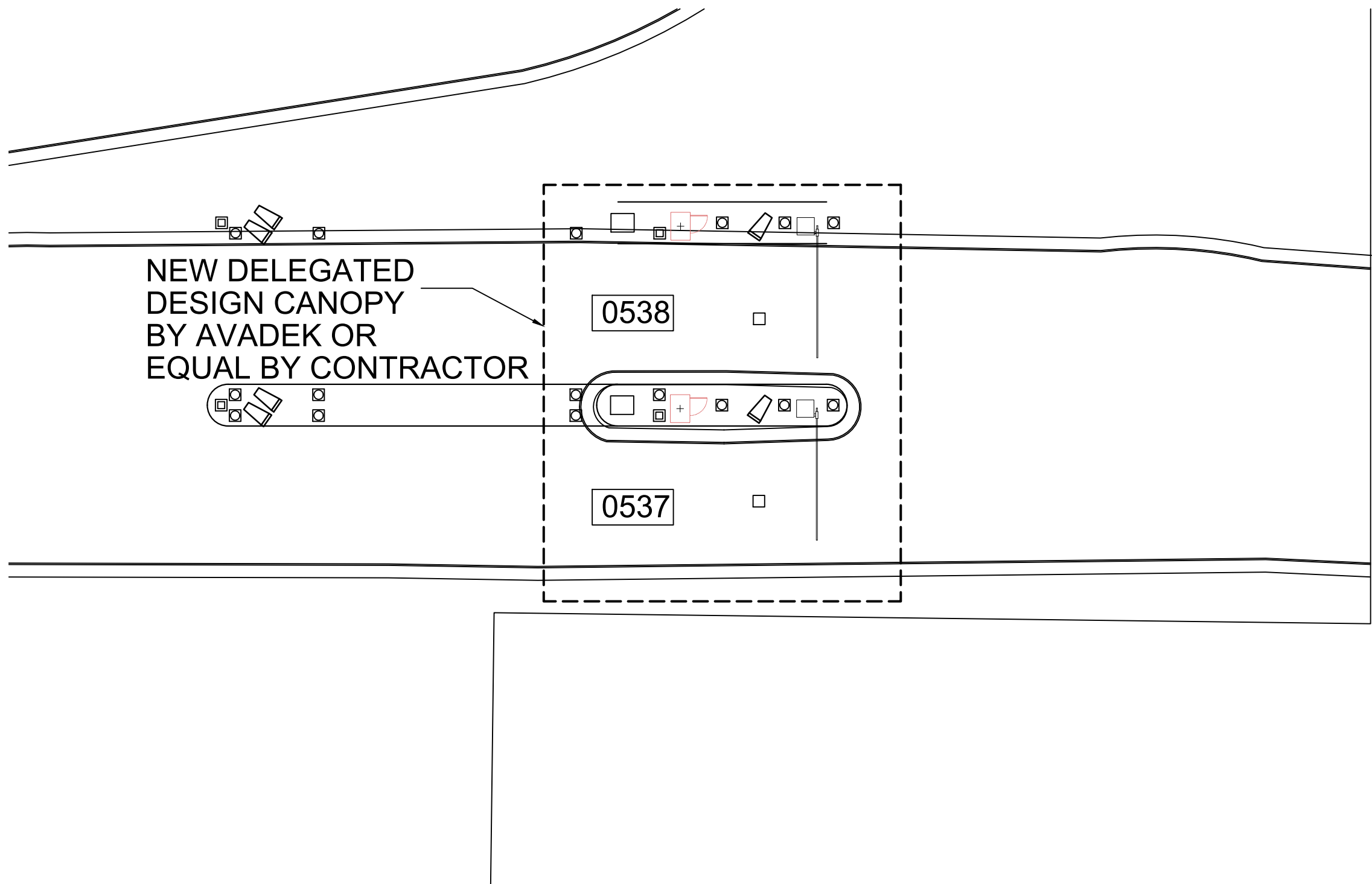




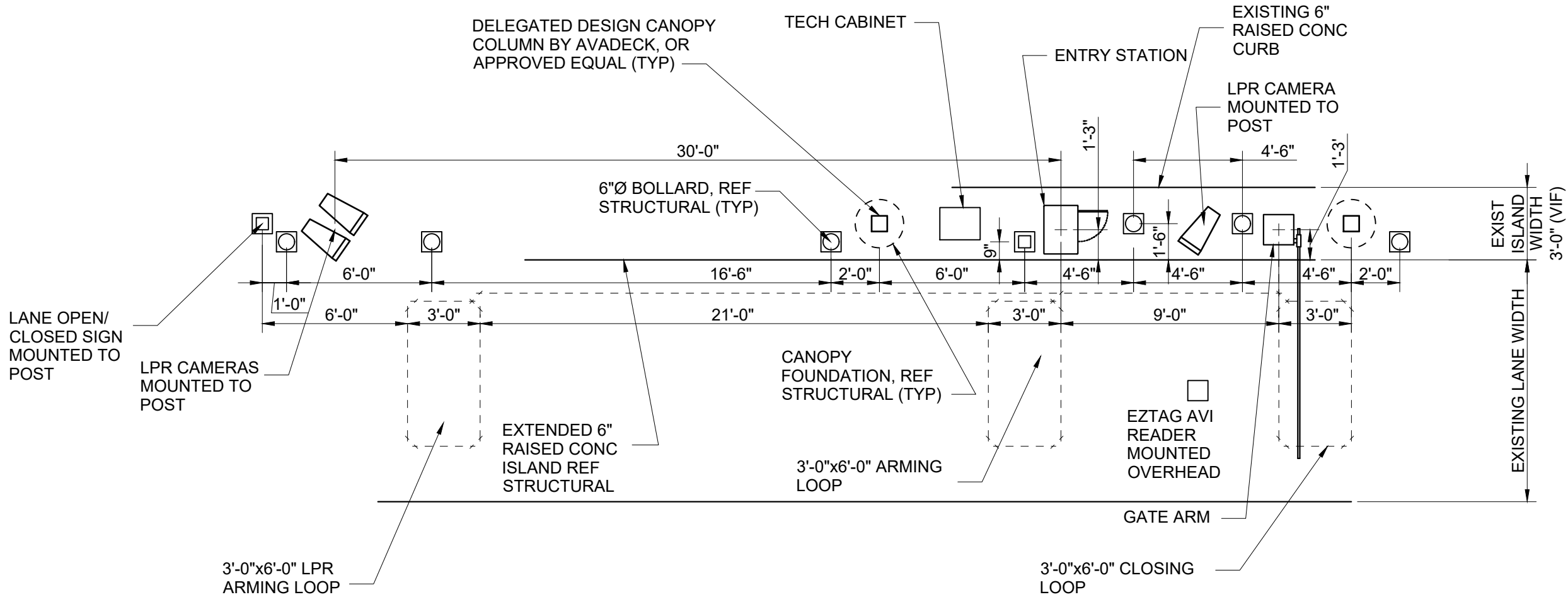




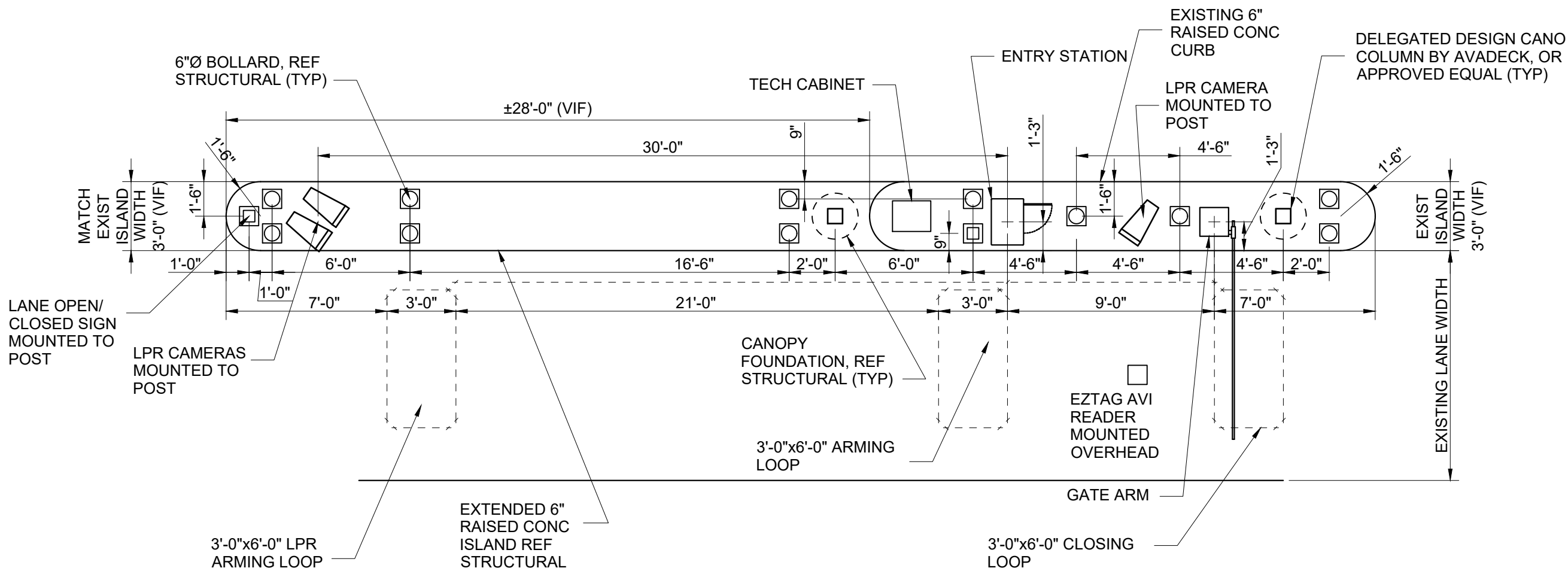
1  
CX1-126  
TERMINAL C ENTRY LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"



2  
CX1-126  
TERMINAL C ENTRY DETAIL  
SCALE: 1"=60'-0"



3  
CX1-126  
TERMINAL C ENTRY DETAIL  
SCALE: 1"=60'-0"



2  
CX1-126  
TERMINAL C ENTRY DETAIL  
SCALE: 1"=60'-0"

NOTES:

1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
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4. [XXXX] INDICATES LANE NUMBER.

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: 4-528  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

**PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT**

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020

STATE OF TEXAS  
J. BLAKE HODGE  
67742  
PROFESSIONAL ENGINEER  
06-12-2020

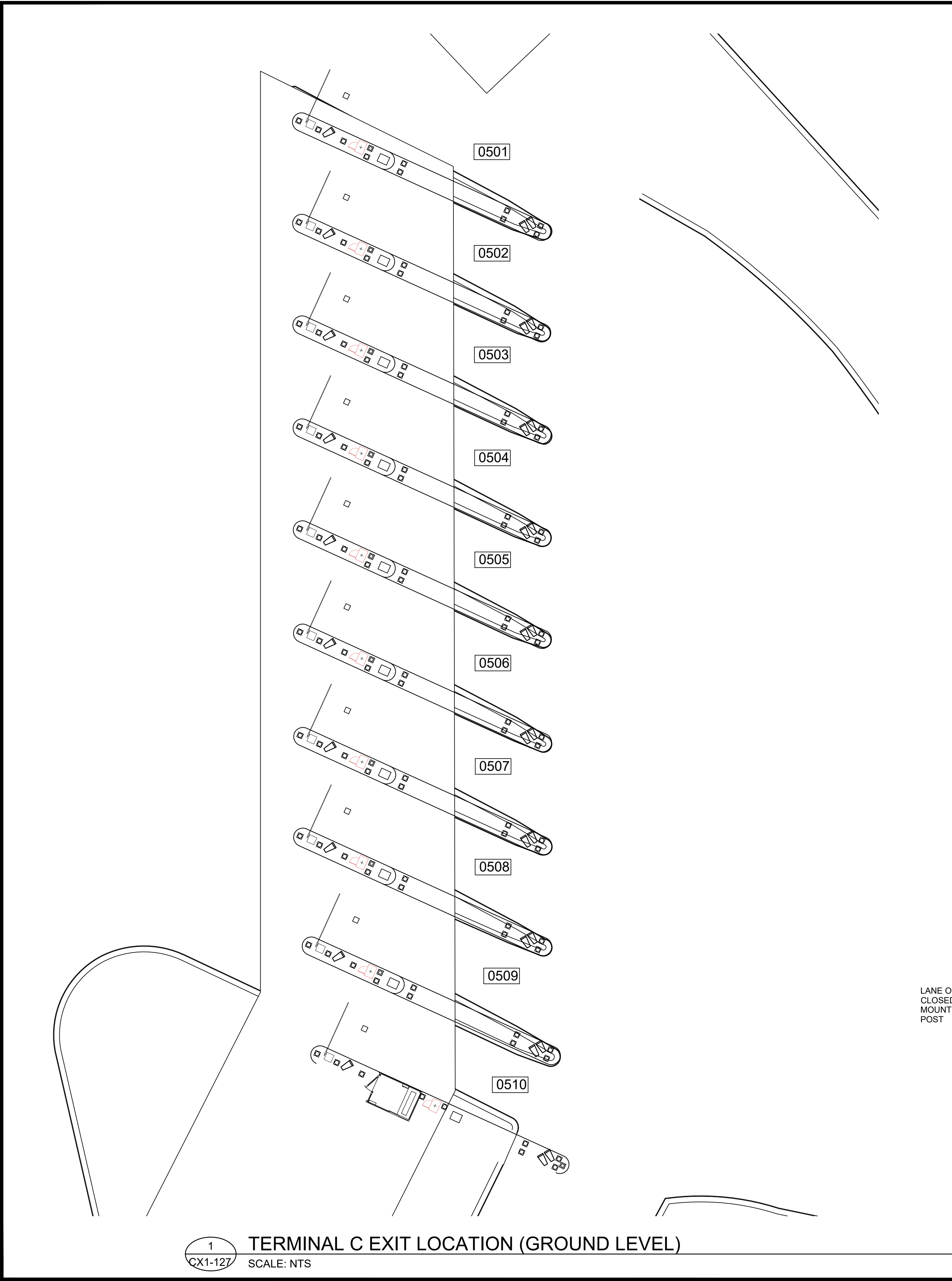
APPROVED BY:	DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

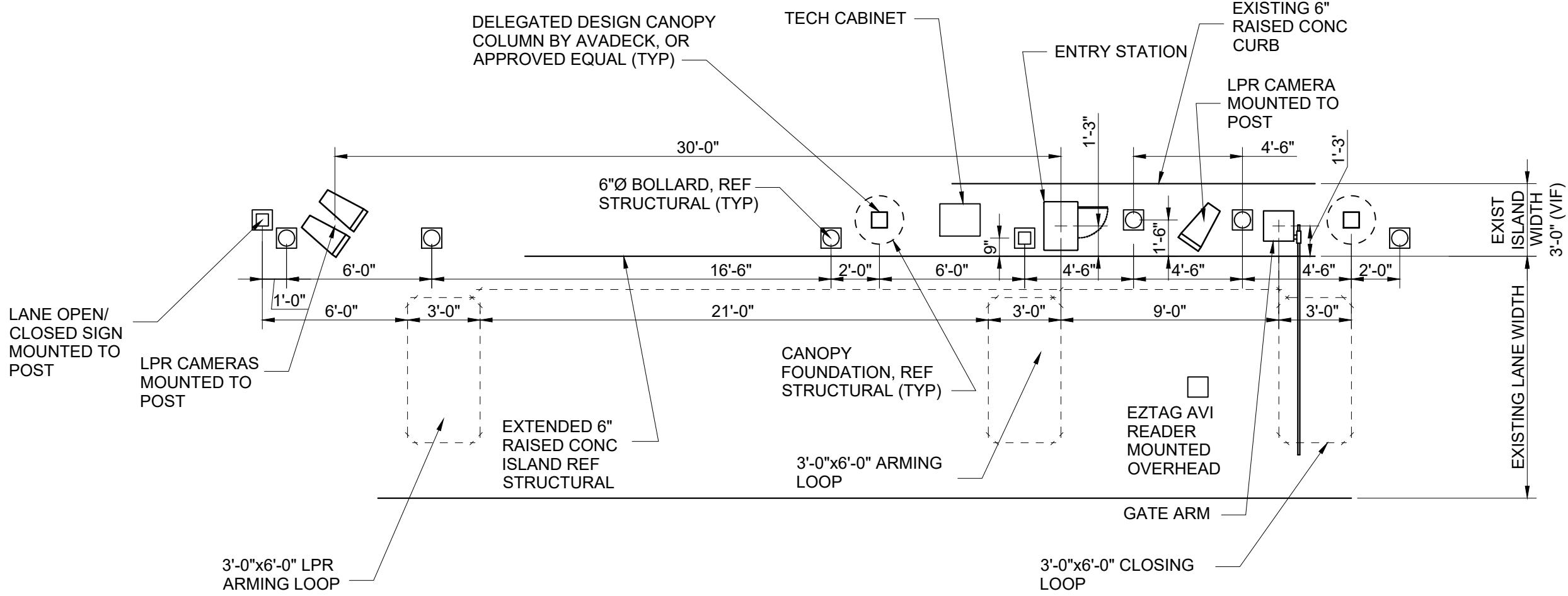
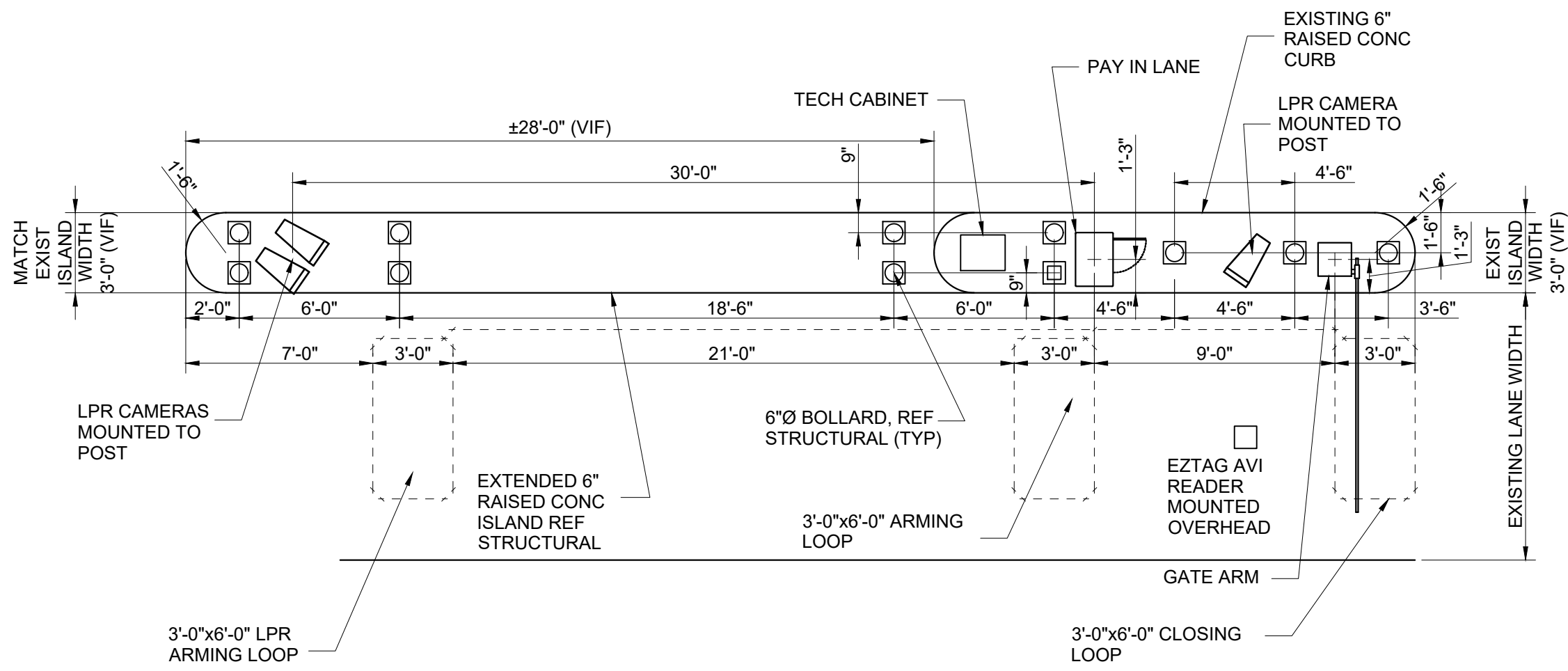
PROJECT NO.	067810800
C.I.P. NO.	

H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.





- NOTES:
1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
  2. REFERENCE SX1-100 FOR NEW ISLAND AND BOLLARD DETAILS.
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  4. [XXXX] INDICATES LANE NUMBER.



**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: 4-528  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

**PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT**

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020

STATE OF TEXAS  
J. BLAKE HODGE  
67742  
PROFESSIONAL ENGINEER  
06-12-2020

APPROVED BY:	DATE:
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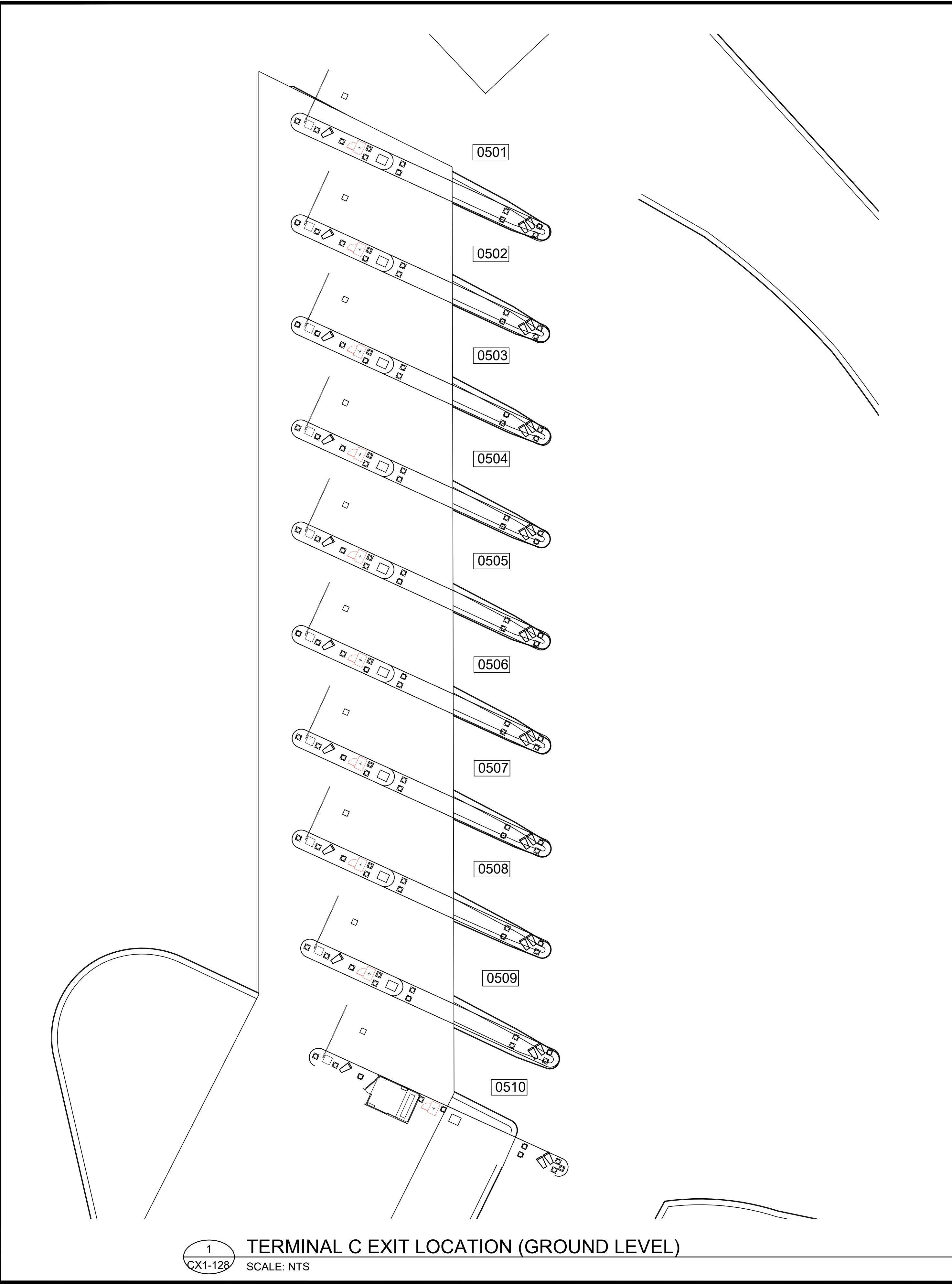
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.	067810800
C.I.P. NO.	

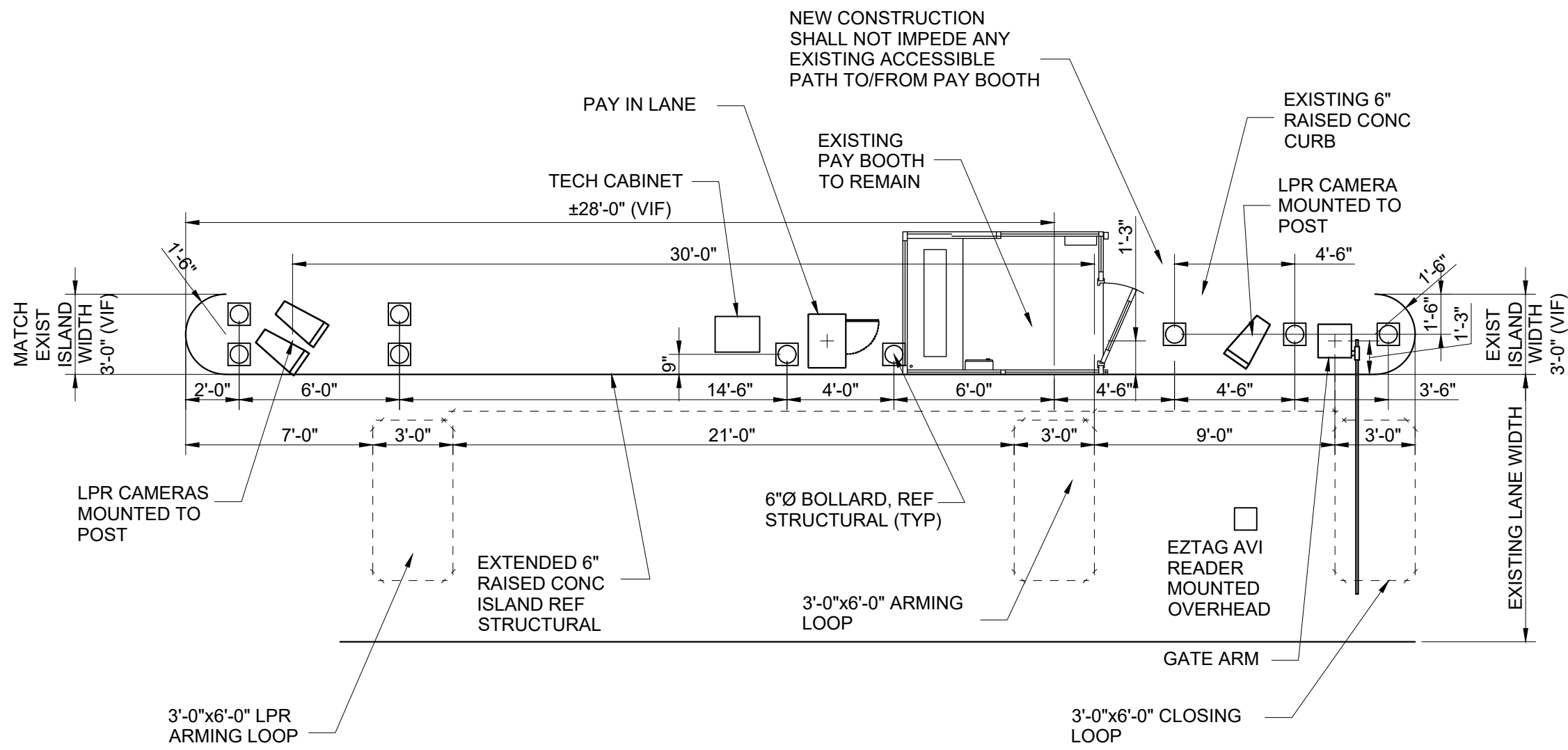
H.A.S. NO.	PN HKE-PARCS-2020-003
SHEET NO.	

CX1-127






- NOTES:
- 1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
  - 2. REFERENCE SX1-100 FOR NEW ISLAND AND BOLLARD DETAILS.
  - 3. DIMENSIONS SHOWN FOR PARCS EQUIPMENT PLACEMENT AND EXTENTS OF NEW CURB/ISLAND ARE FOR BIDDING PURPOSES ONLY. THE PARCS VENDOR SELECTED BY THE AIRPORT MAY HAVE DIFFERENT REQUIREMENTS.
  - 4. [XXXX] INDICATES LANE NUMBER.




2  
CX1-128

TERMINAL C EXIT DETAIL  
SCALE: 1"=60'-0"



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

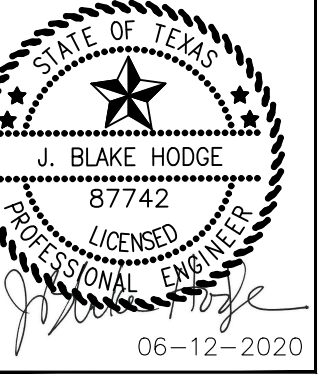


KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: 4-528  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020

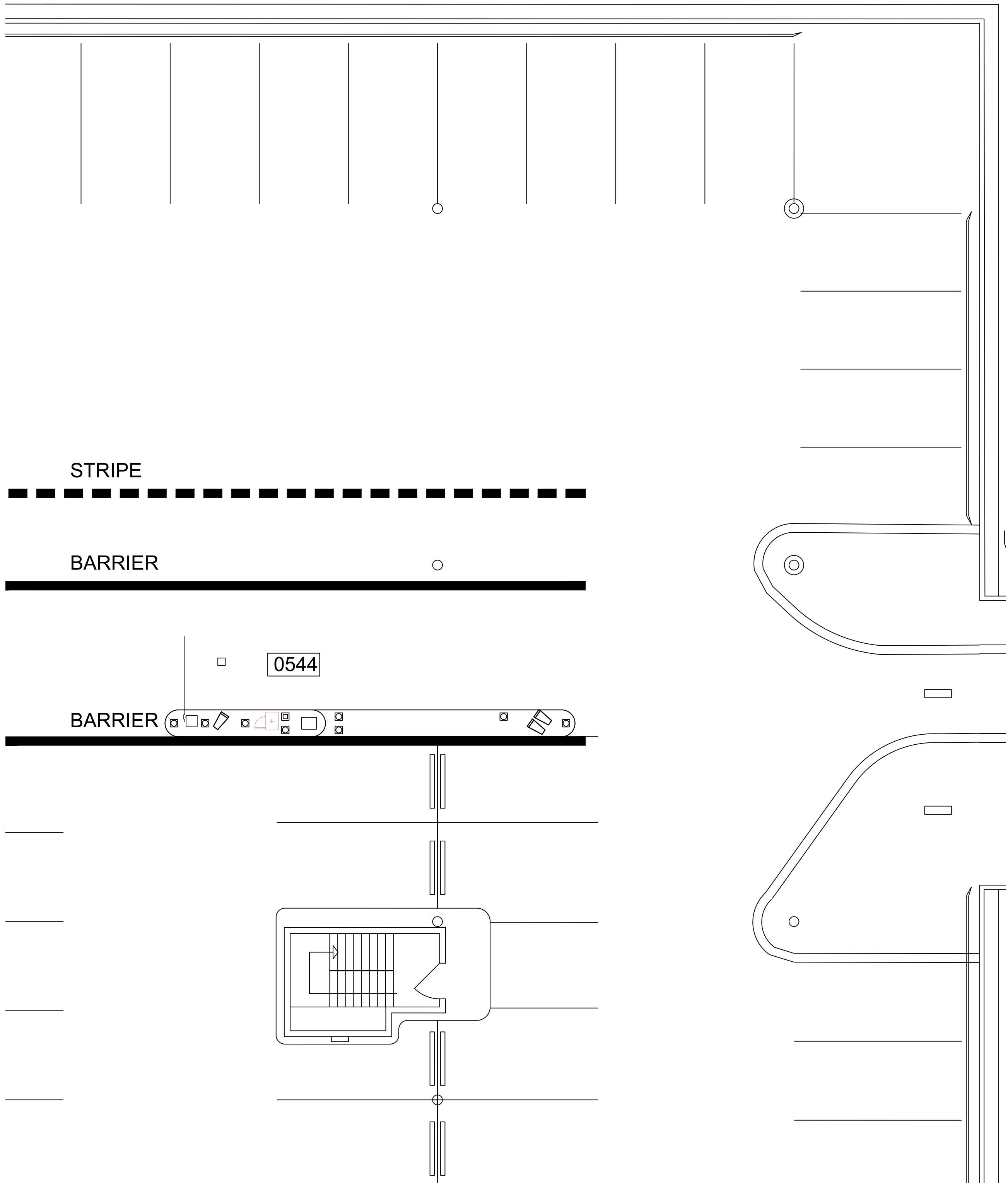


06-12-2020

APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	067810800
C.I.P. NO.	
H.A.S. NO.	PN HKE-PARCS-2020-003
SHEET NO.	

CX1-128



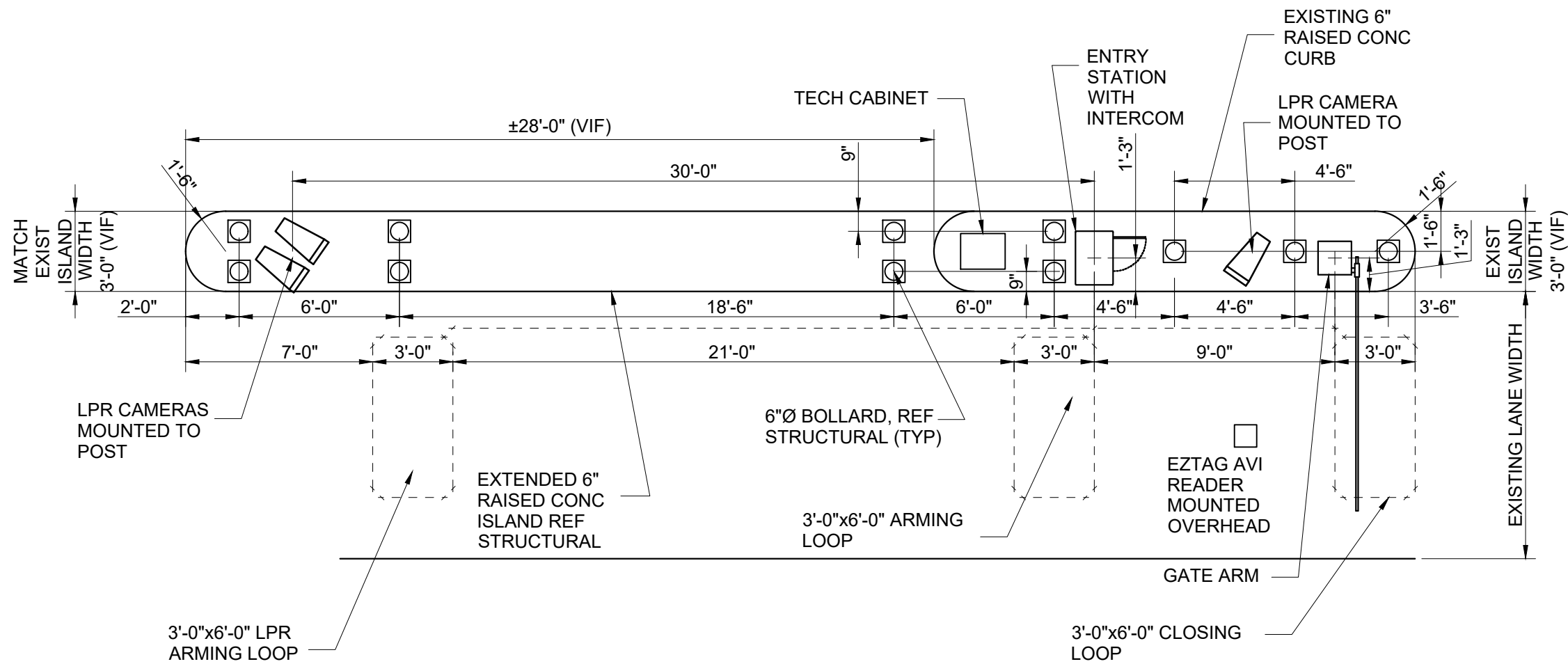


1  
CX1-129

1

TERMINAL C VALET ENTRY LOCATION (LEVEL 4)

SCALE: 1"=100'-0"



2  
CX1-129

2

TERMINAL C VALET ENTRY DETAIL

SCALE: 1"=60'-0"

NOTES:

1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
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4. [XXXX] INDICATES LANE NUMBER.



HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTONTEXAS

Kimley»Horn

Kimley-Horn and Associates, Inc.

1400 Woodloch Forest Drive, Suite 225

The Woodlands, TX 77380

Phone: 281-475-2816

Toll Free: 800-451-7229

www.kimley-horn.com

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY:      DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

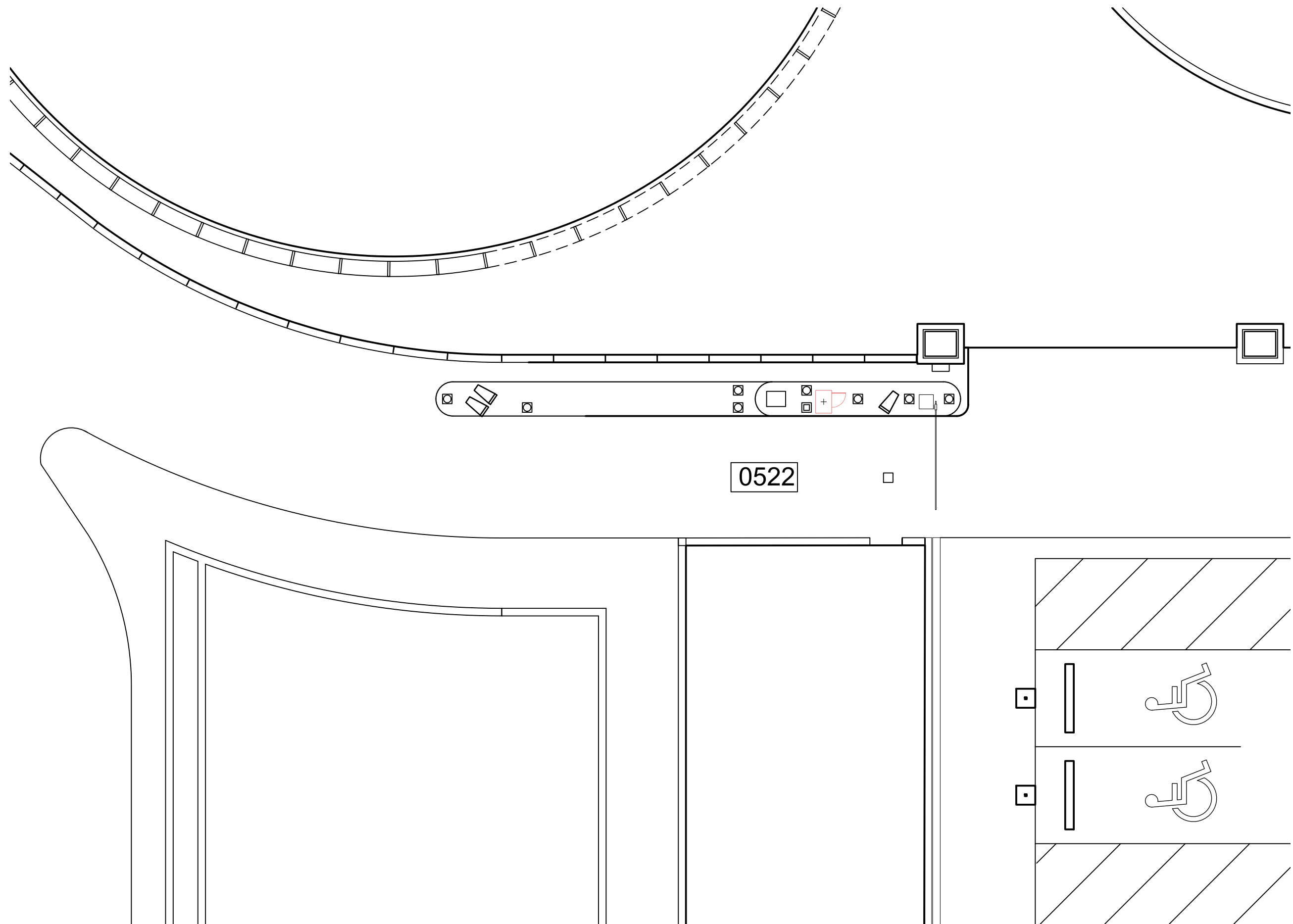
H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

CX1-129





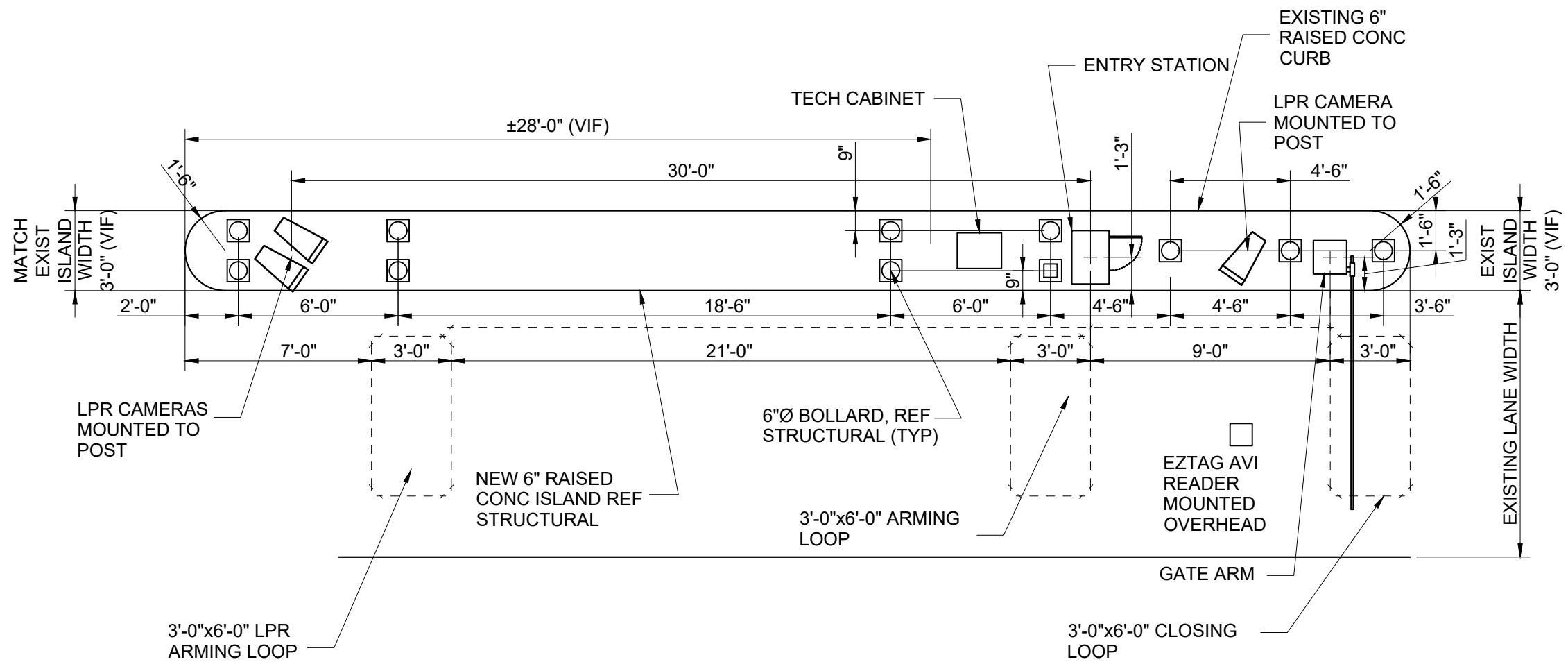




1  
CX1-131

TERMINAL C OVERSIZE VEHICLE ENTRY LOCATION (LEVEL 2)

SCALE: 1"=100'-0"



2  
CX1-131

TERMINAL C OVERSIZE VEHICLE ENTRY DETAIL

SCALE: 1"=60'-0"

NOTES:

1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
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4. [XXXX] INDICATES LANE NUMBER.

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTONTEXAS

Kimley»Horn

Kimley-Horn and Associates, Inc.

1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYP: FIRM REGISTRATION: F-528  
WWW.KIMLEY-HORN.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY:	DATE:
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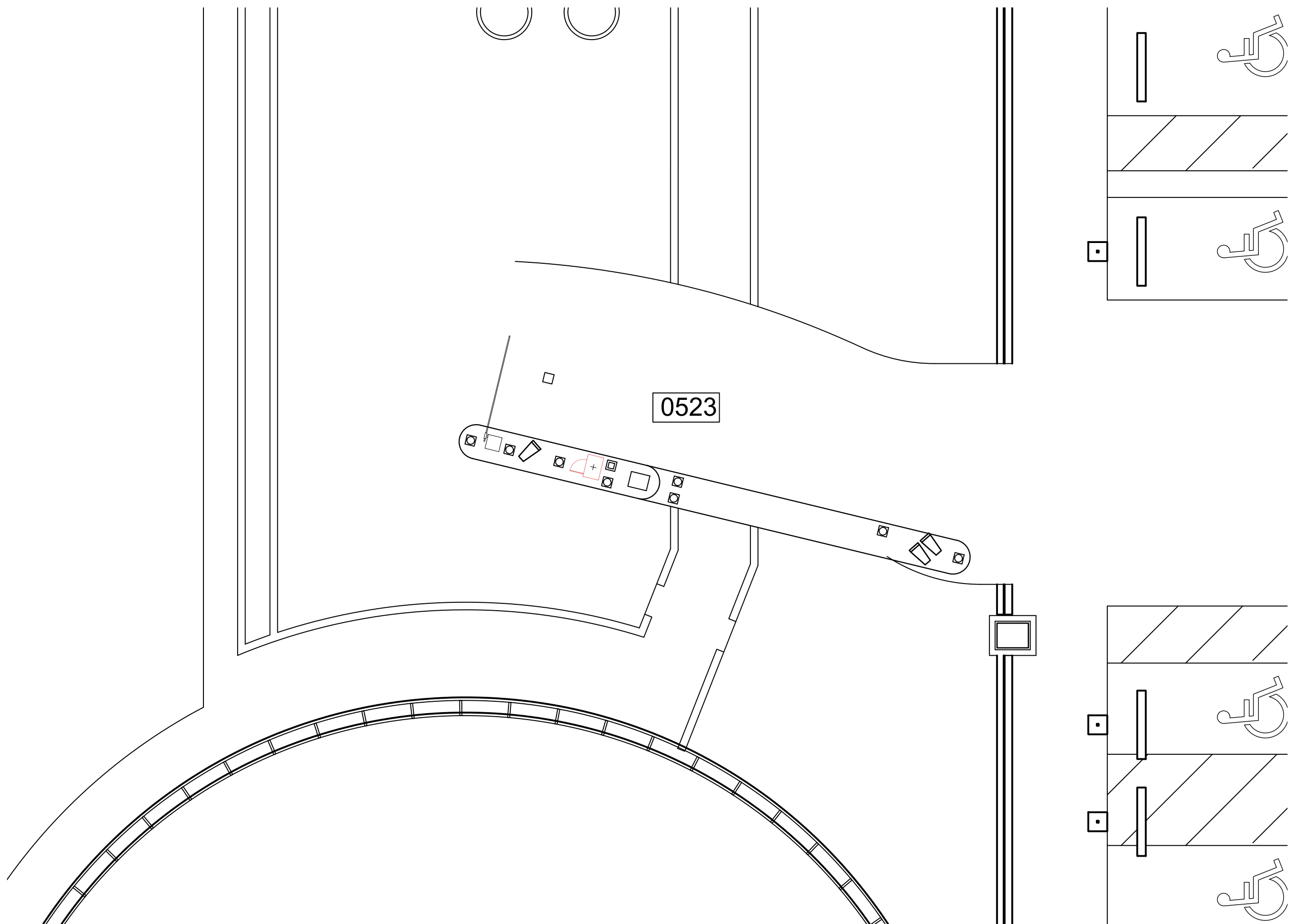
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

CX1-131

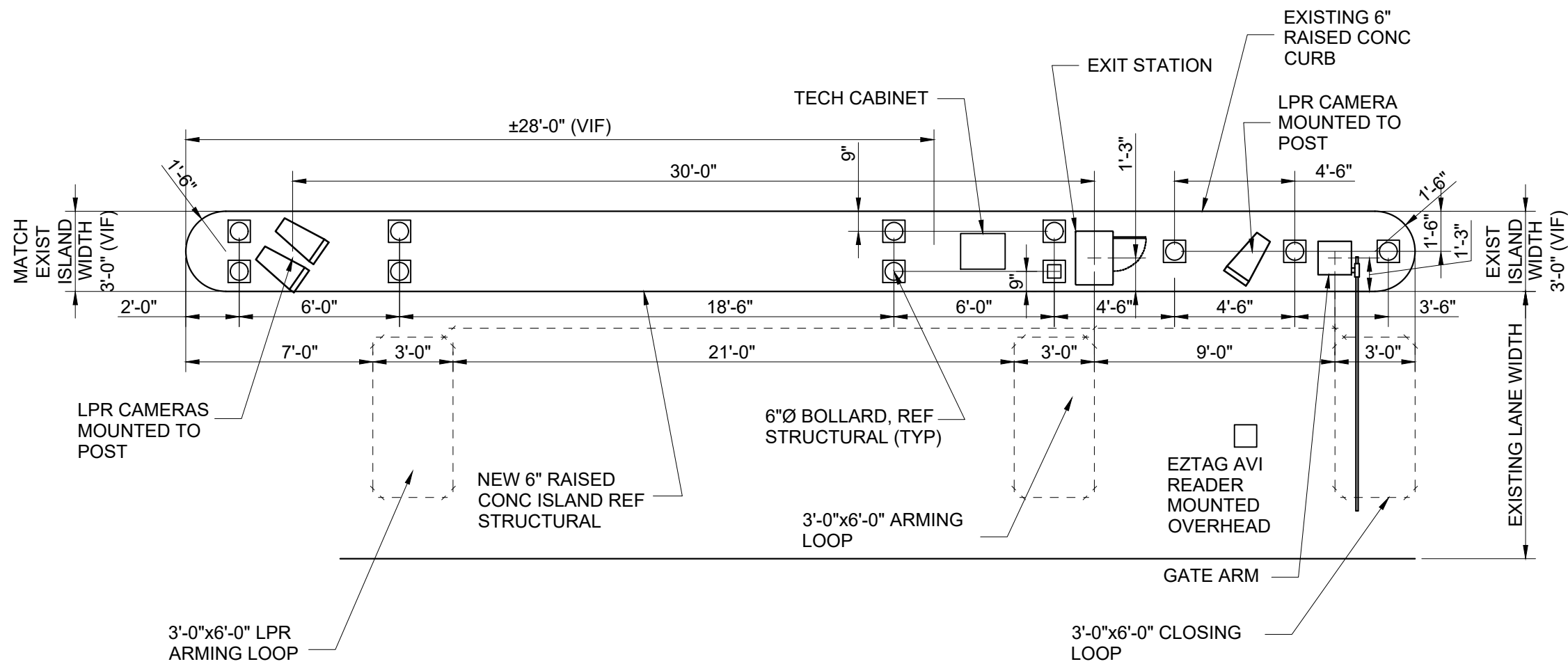




1  
CX1-132

TERMINAL OVERSIZE VEHICLE EXIT LOCATION (LEVEL 2)

SCALE: 1"=100'-0"



2  
CX1-132

TERMINAL C OVERSIZE VEHICLE EXIT DETAIL

SCALE: 1"=60'-0"

- NOTES:
- 1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
  - 2. REFERENCE SX1-100 FOR NEW ISLAND AND BOLLARD DETAILS.
  - 3. DIMENSIONS SHOWN FOR PARCS EQUIPMENT PLACEMENT AND EXTENTS OF NEW CURB/ISLAND ARE FOR BIDDING PURPOSES ONLY. THE PARCS VENDOR SELECTED BY THE AIRPORT MAY HAVE DIFFERENT REQUIREMENTS.
  - 4. [XXXX] INDICATES LANE NUMBER.

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTONTEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLICK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TYP: FIRM REGISTRATION # 528

WWW.KIMLEY-HORN.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY:	DATE:
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DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**

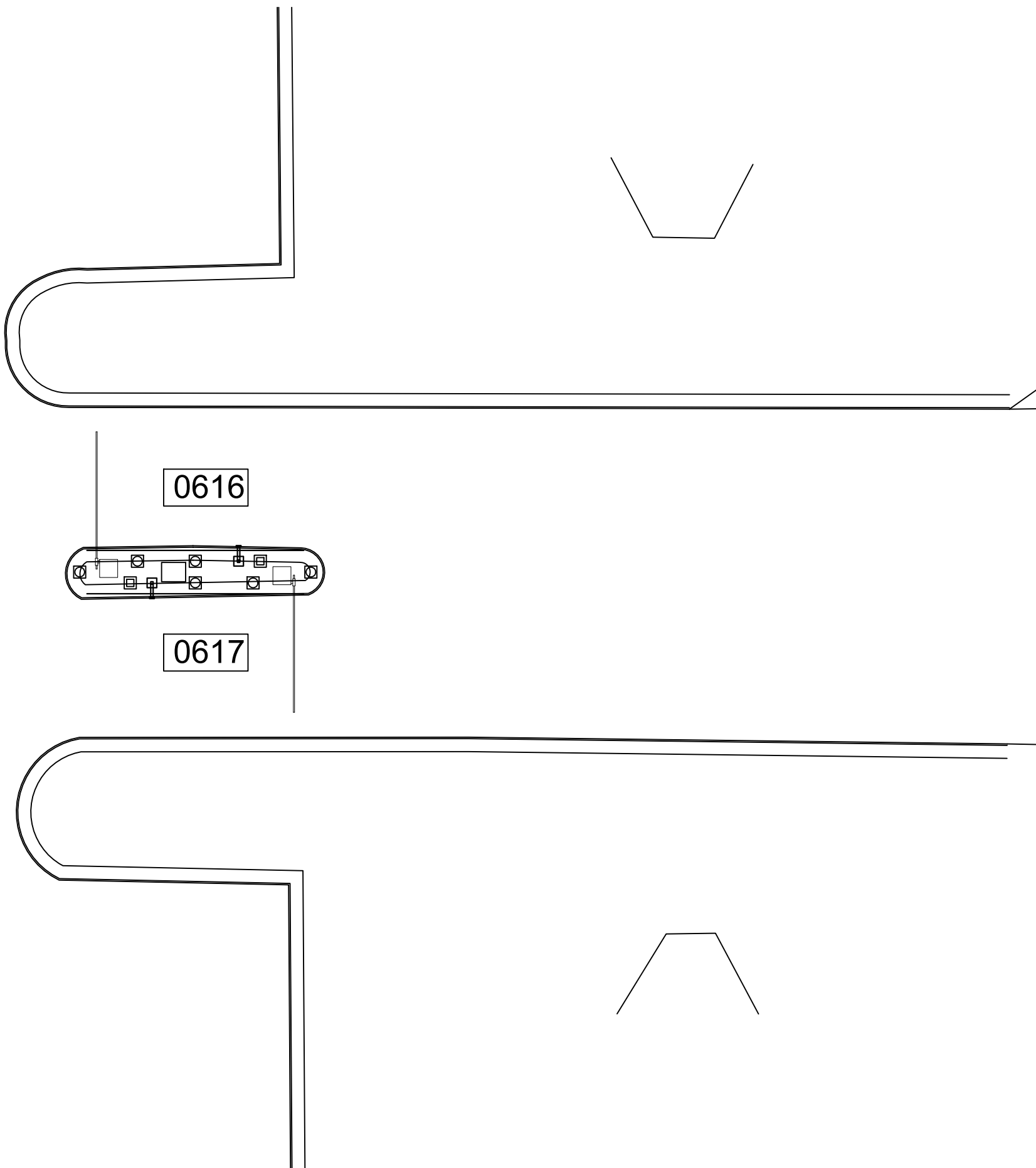
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**

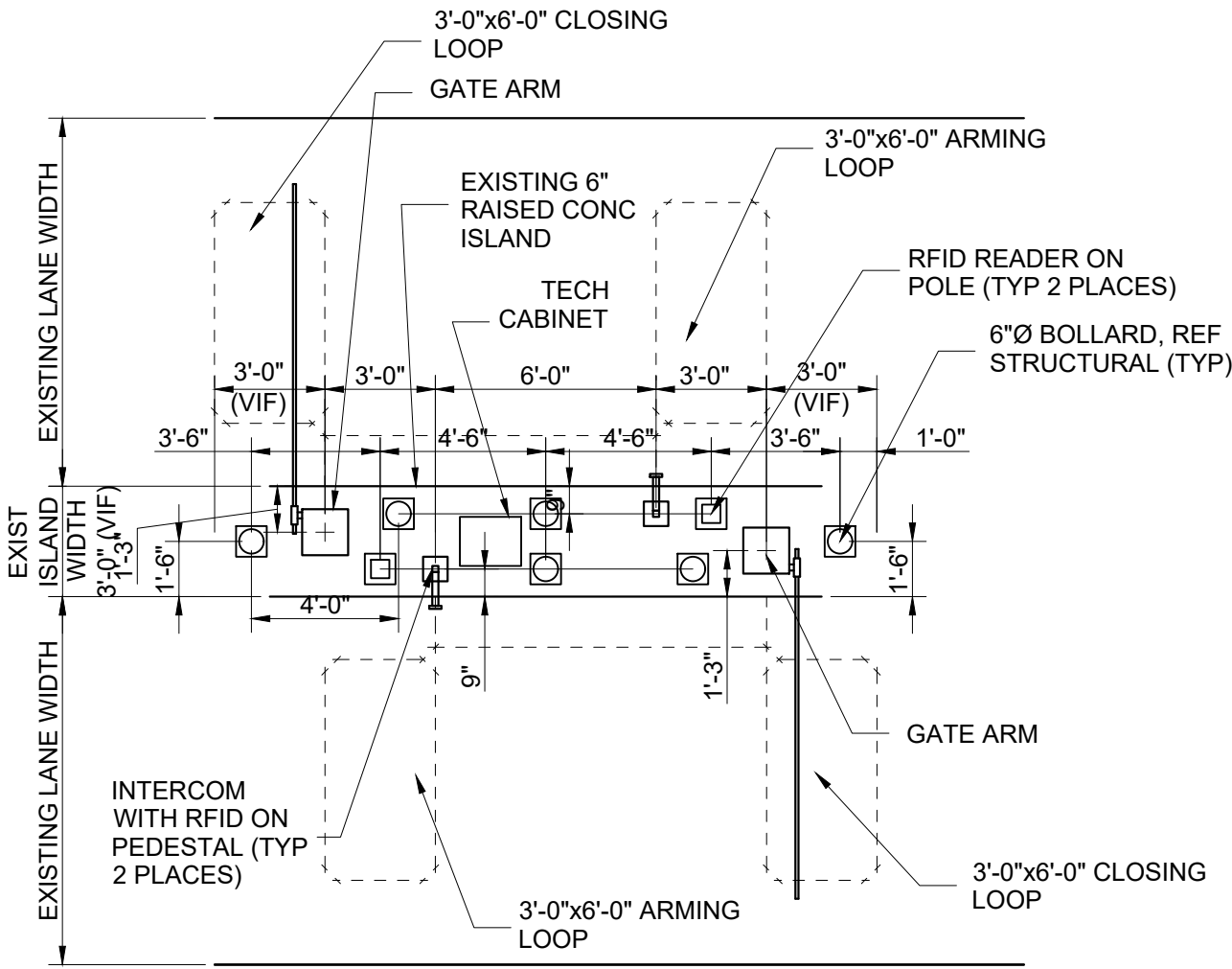
SHEET NO.

CX1-132





1 JFK ECOPARK EMPLOYEE ENTRY/EXIT LOCATION (GROUND LEVEL)  
CX1-133 SCALE: 1"=100'-0"



2 JFK ECOPARK EMPLOYEE ENTRY/EXIT DETAIL  
CX1-133 SCALE: 1"=60'-0"

NOTES:

1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
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4. [XXXX] INDICATES LANE NUMBER.



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
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THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: 5-528  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

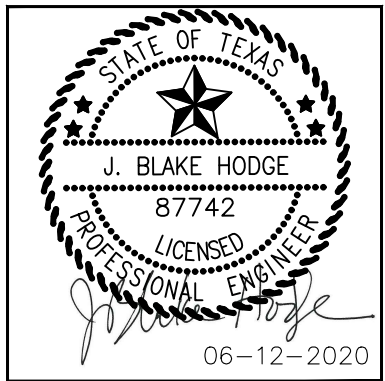
CX1-133



REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY:	DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

CX1-134

NOTES:

1.

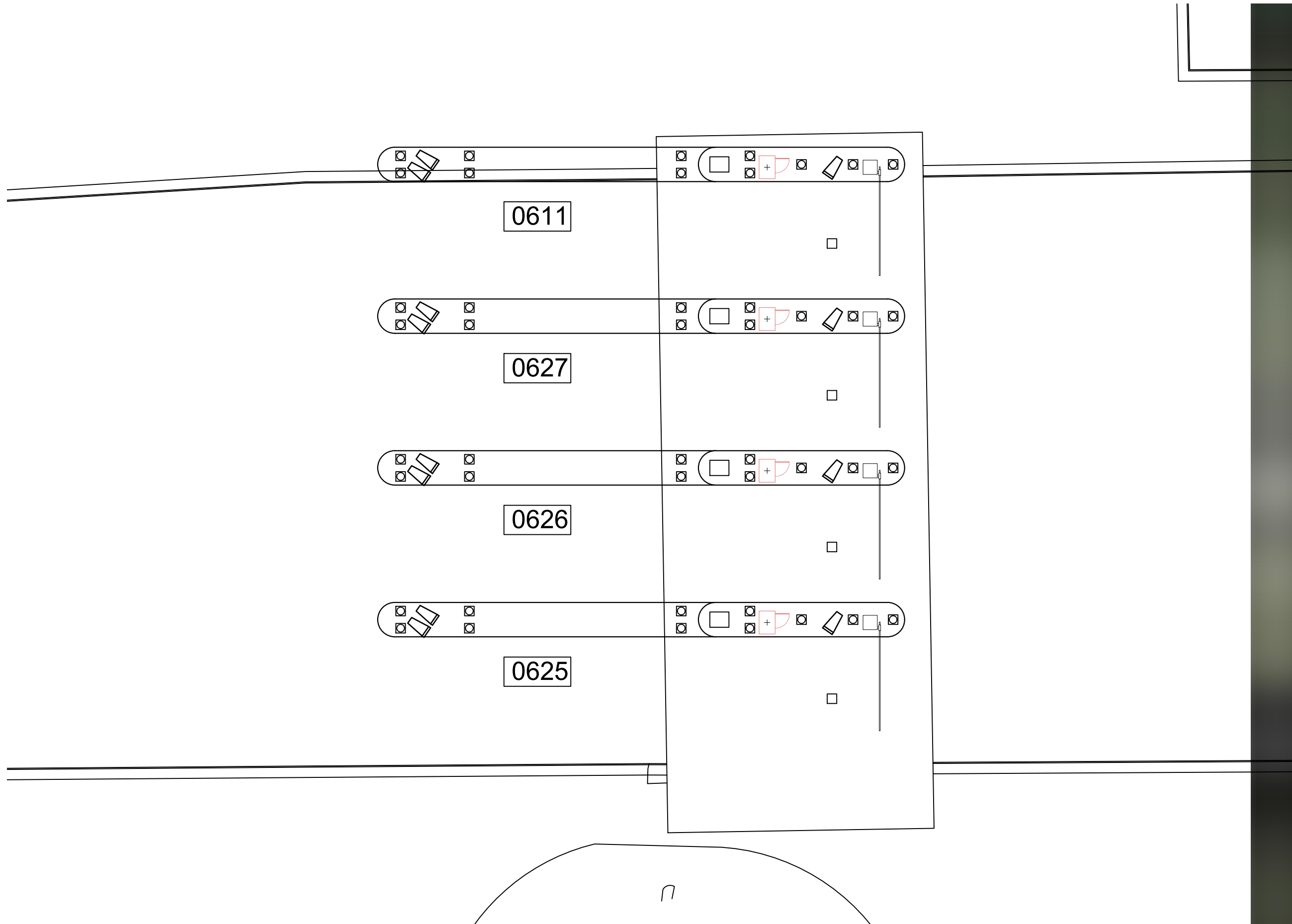
REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
2.

REFERENCE SX1-100 FOR NEW ISLAND AND BOLLARD DETAILS.
3.

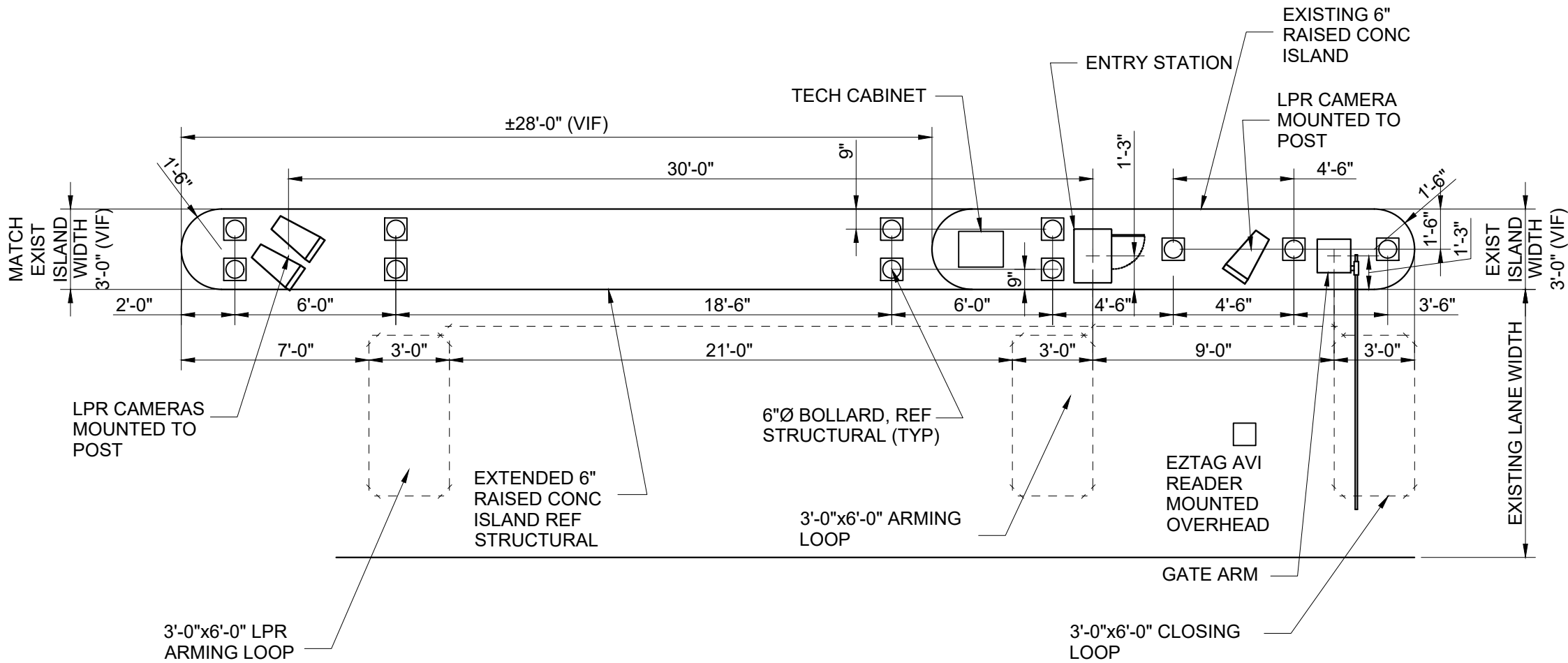
DIMENSIONS SHOWN FOR PARCS EQUIPMENT PLACEMENT AND EXTENTS OF NEW CURB/ISLAND ARE FOR BIDDING PURPOSES ONLY. THE PARCS VENDOR SELECTED BY THE AIRPORT MAY HAVE DIFFERENT REQUIREMENTS.
4.

XXXX

INDICATES LANE NUMBER.



1JFK ECOPARK ENTRY LOCATION (GROUND LEVEL)  
CX1-134SCALE: 1"=100'-0"



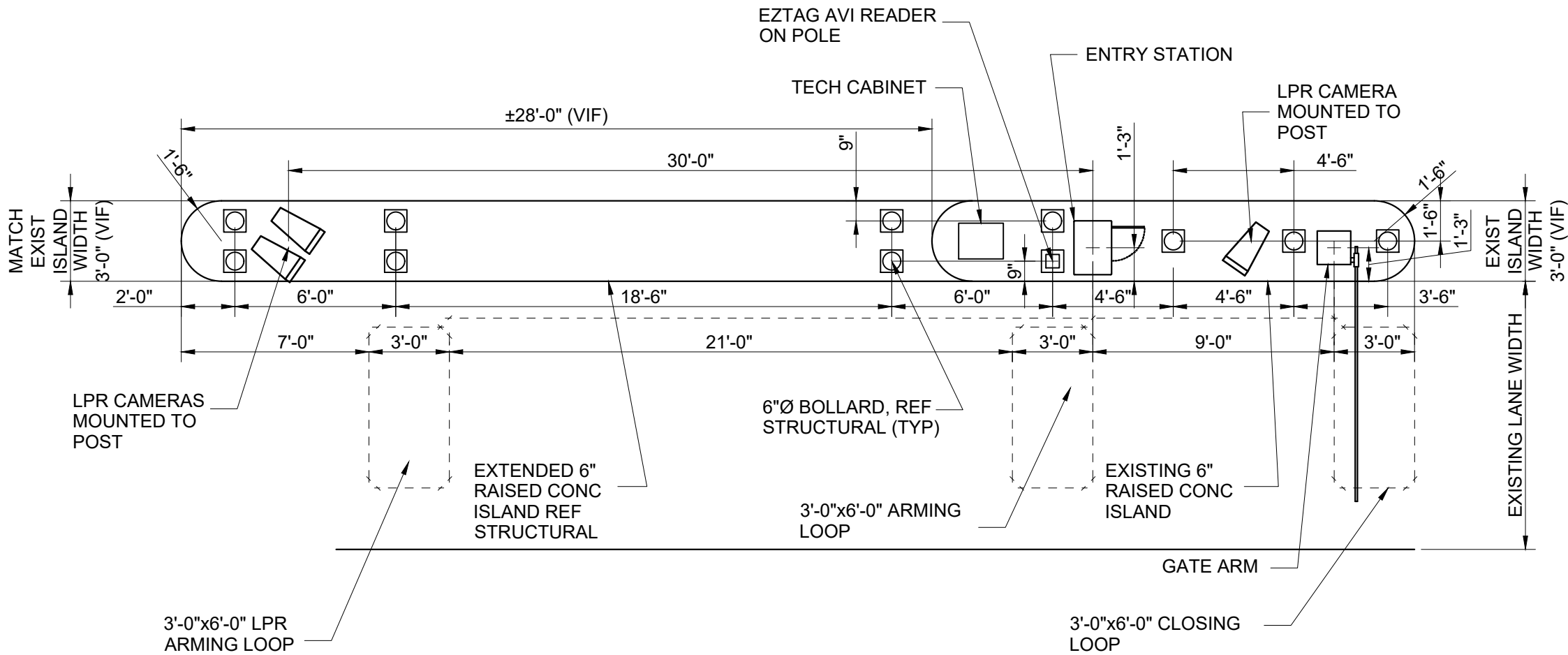
2JFK ECOPARK ENTRY DETAIL  
CX1-134SCALE: 1"=60'-0"





1  
CX1-135

JFK ECOPARK COVERED ENTRY SOUTH LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"



2  
CX1-135

JFK ECOPARK COVERED ENTRY DETAIL  
SCALE: 1"=60'-0"

NOTES:

- 1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
- 2. REFERENCE SX1-100 FOR NEW ISLAND AND BOLLARD DETAILS.
- 3. DIMENSIONS SHOWN FOR PARCS EQUIPMENT PLACEMENT AND EXTENTS OF NEW CURB/ISLAND ARE FOR BIDDING PURPOSES ONLY. THE PARCS VENDOR SELECTED BY THE AIRPORT MAY HAVE DIFFERENT REQUIREMENTS.
- 4. [XXXX] INDICATES LANE NUMBER.



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTONTEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: 4-528  
WWW.KIMLEY-HORN.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY:	DATE:
--------------	-------

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.

CX1-135



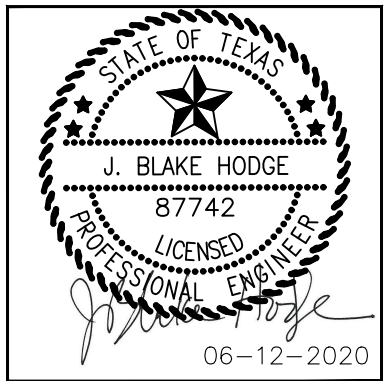




REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY:DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

CX1-137

NOTES:

1.

REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
2.

REFERENCE SX1-100 FOR NEW ISLAND AND BOLLARD DETAILS.
3.

DIMENSIONS SHOWN FOR PARCS EQUIPMENT PLACEMENT AND EXTENTS OF NEW CURB/ISLAND ARE FOR BIDDING PURPOSES ONLY. THE PARCS VENDOR SELECTED BY THE AIRPORT MAY HAVE DIFFERENT REQUIREMENTS.
4.

XXXX

INDICATES LANE NUMBER.

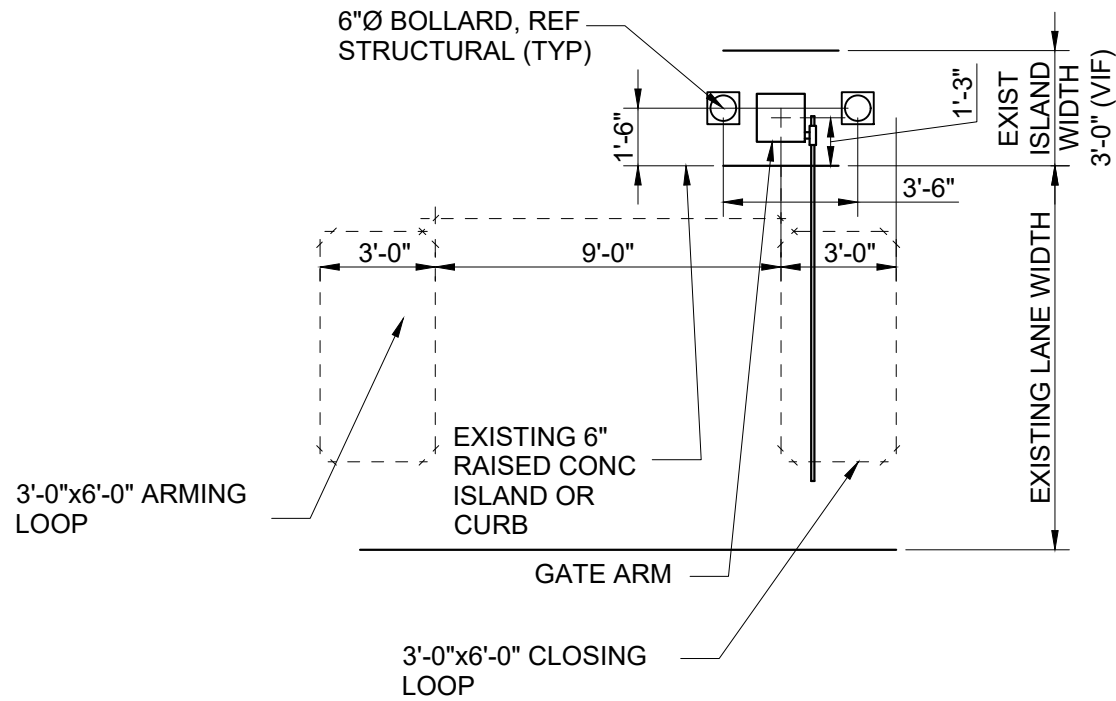


1

CX1-137

JFK ECOPARK COVERED EXIT LOCATION (GROUND LEVEL)

SCALE: 1"=100'-0"



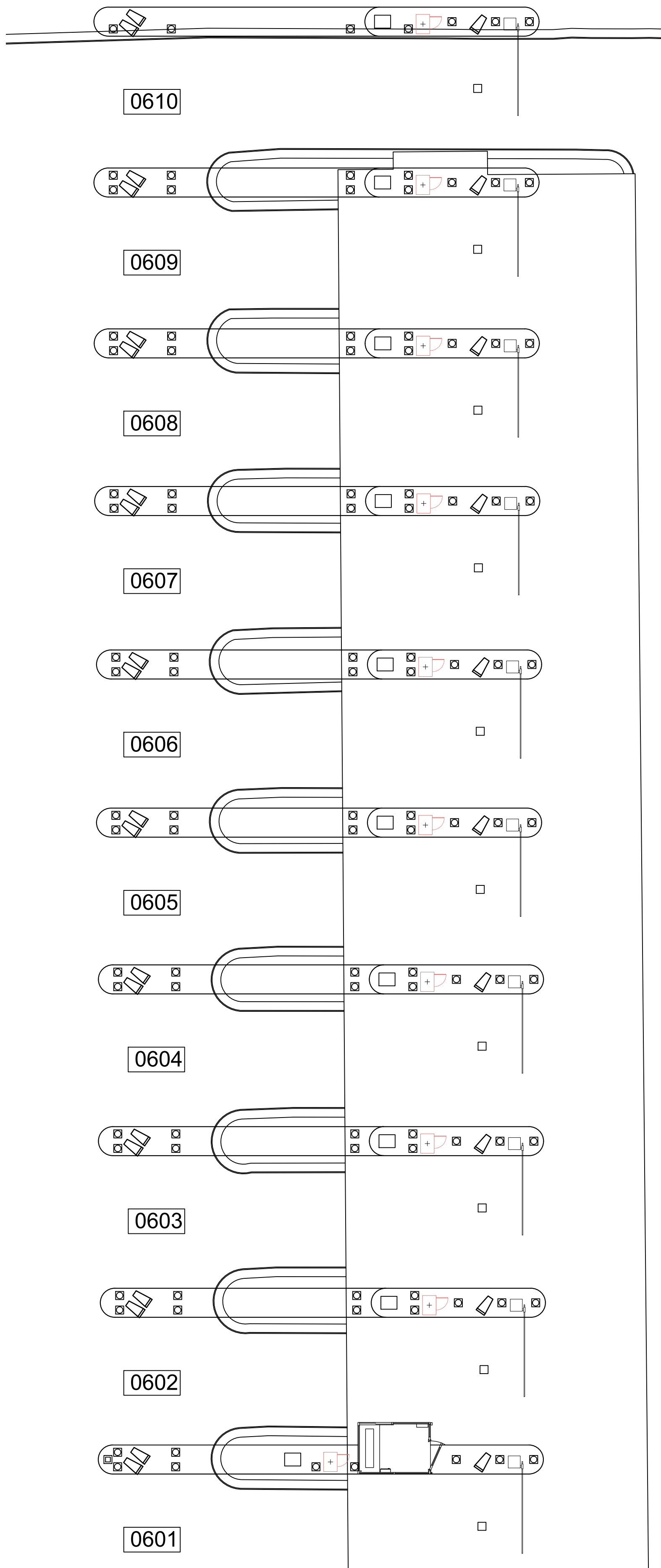
2

CX1-137

JFK ECOPARK COVERED EXIT DETAIL

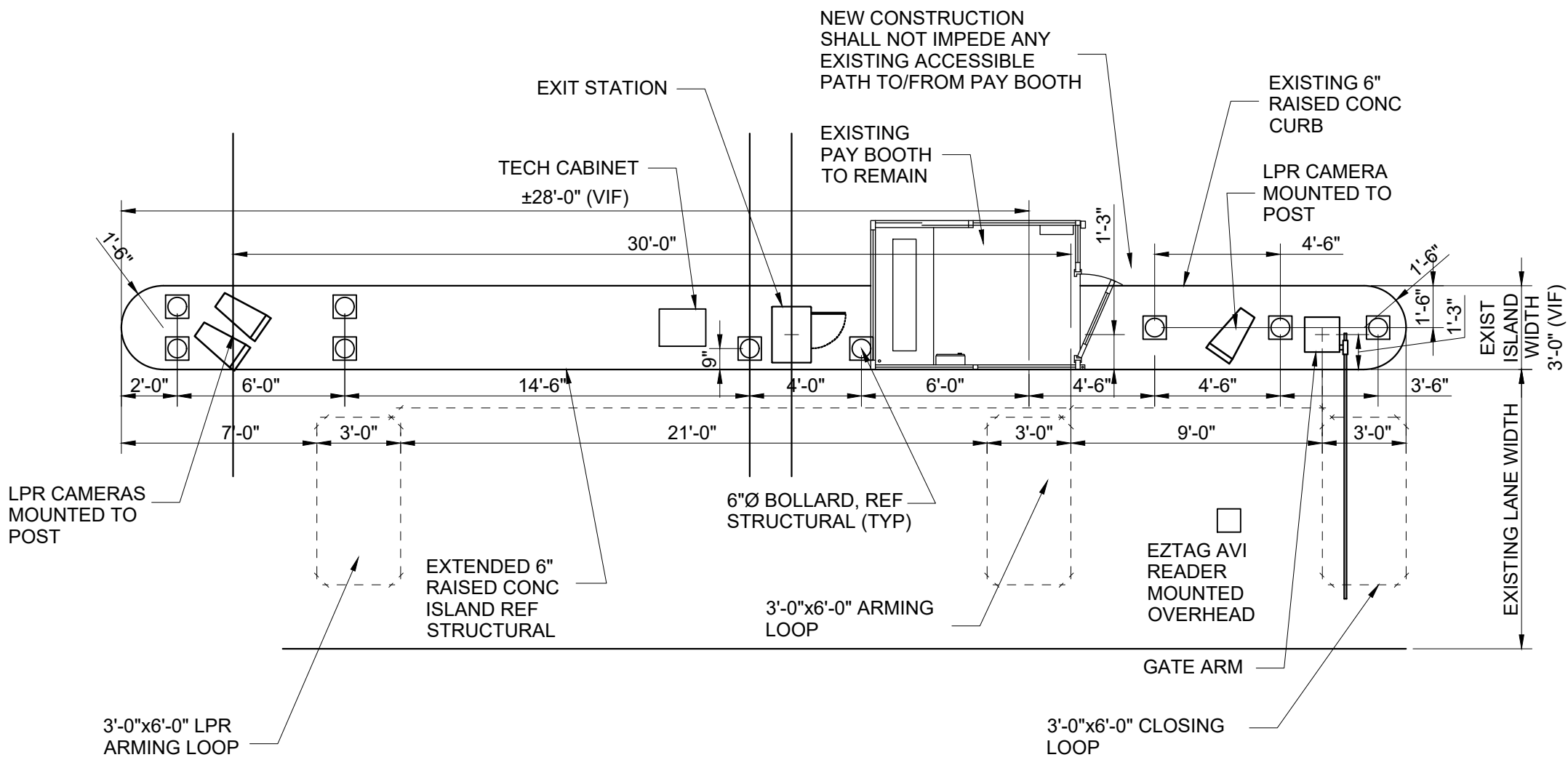
SCALE: 1"=60'-0"





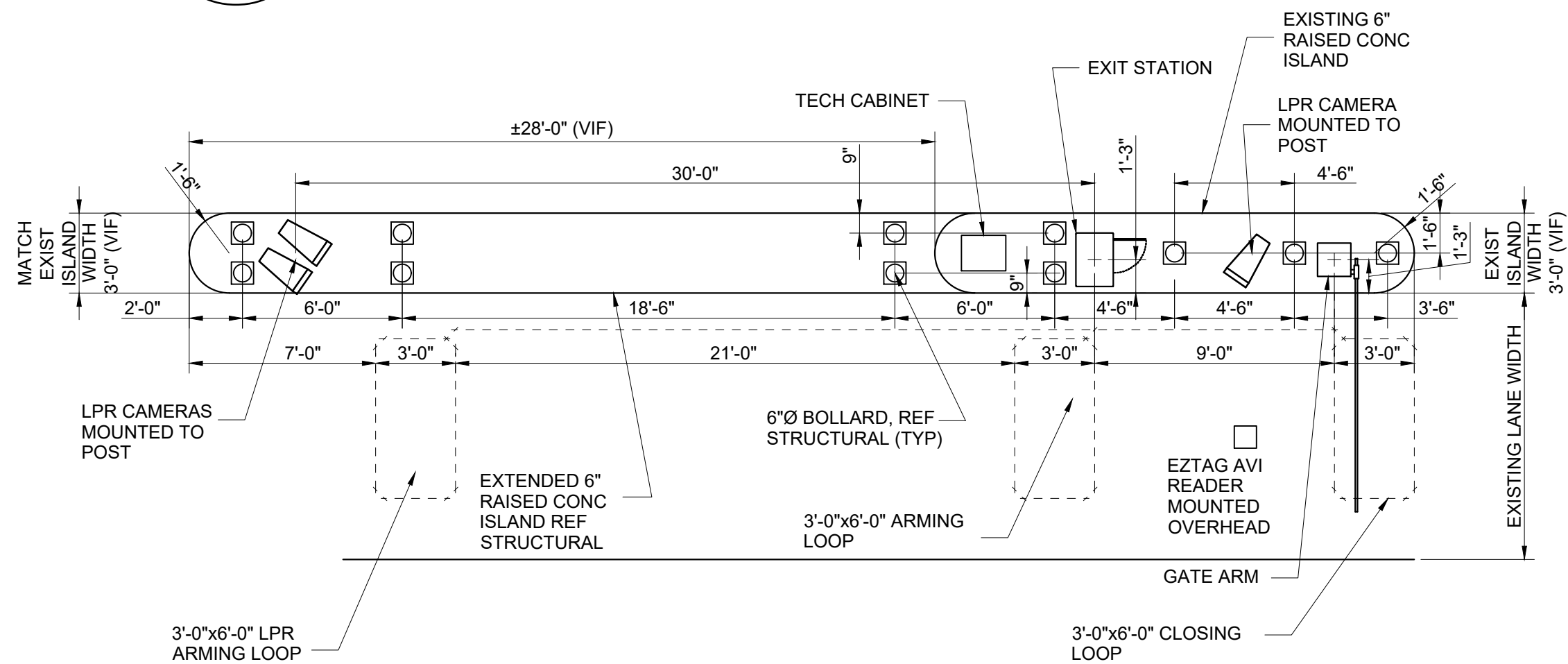
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CX1-138

JFK ECOPARK EXIT LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"



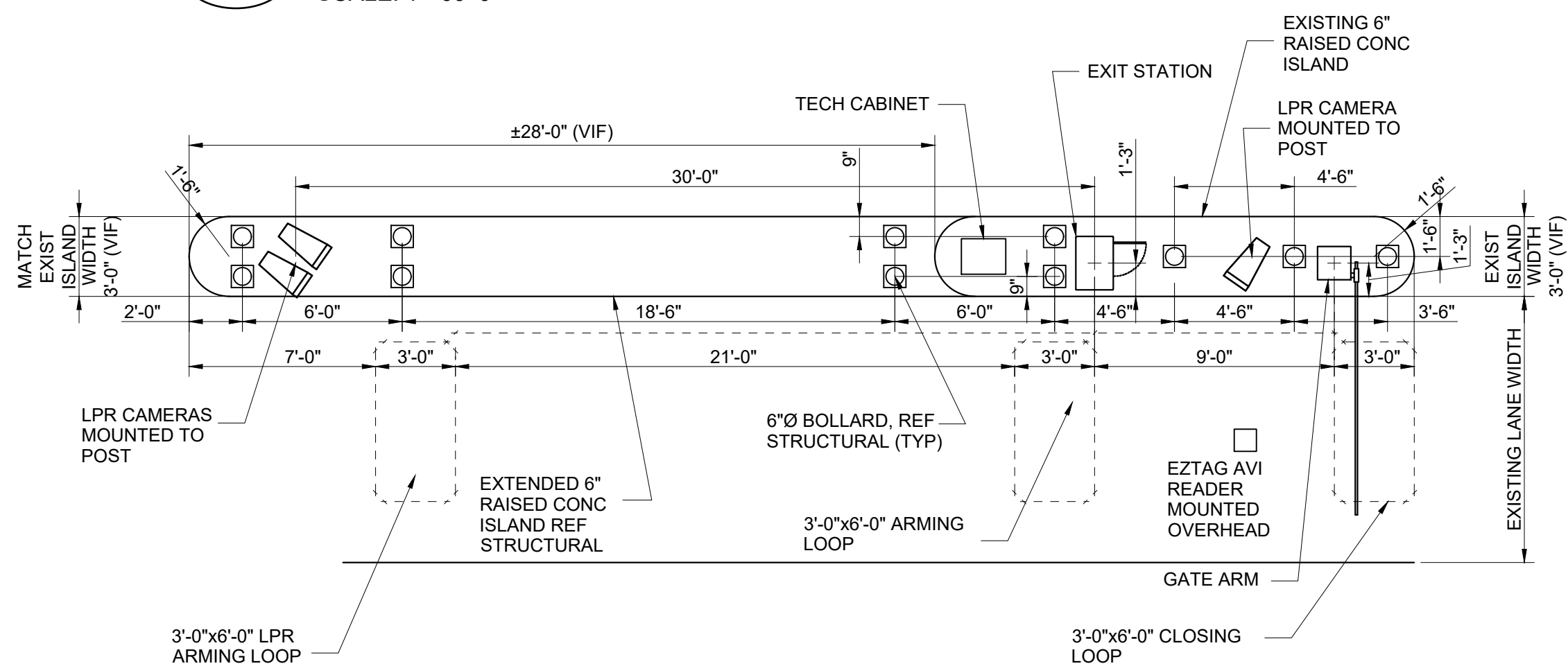
4  
CX1-138

JFK ECOPARK EXIT DETAIL  
SCALE: 1"=60'-0"



3  
CX1-138

JFK ECOPARK EXIT DETAIL  
SCALE: 1"=60'-0"



2  
CX1-138

JFK ECOPARK EXIT DETAIL  
SCALE: 1"=60'-0"

NOTES:

1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
2. REFERENCE SX1-100 FOR NEW ISLAND AND BOLLARD DETAILS.
3. DIMENSIONS SHOWN FOR PARCS EQUIPMENT PLACEMENT AND EXTENTS OF NEW CURB/ISLAND ARE FOR BIDDING PURPOSES ONLY. THE PARCS VENDOR SELECTED BY THE AIRPORT MAY HAVE DIFFERENT REQUIREMENTS.
4. XXXX INDICATES LANE NUMBER.



HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS



KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLICK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TELEX: KHWREGISTRATION-528

WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL

SYSTEMS (PARCS) GEORGE BUSH

INTERCONTINENTAL AIRPORT (IAH)

LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY:                      DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

CX1-138

K:\FRI\_Structures\67810800 - HAS PARCS\HAS PARCS Lanes Concept Plans IAH 2-25-2020.dwg, 6/8/2020 1:44:13 PM, DWG To PDF.pc3

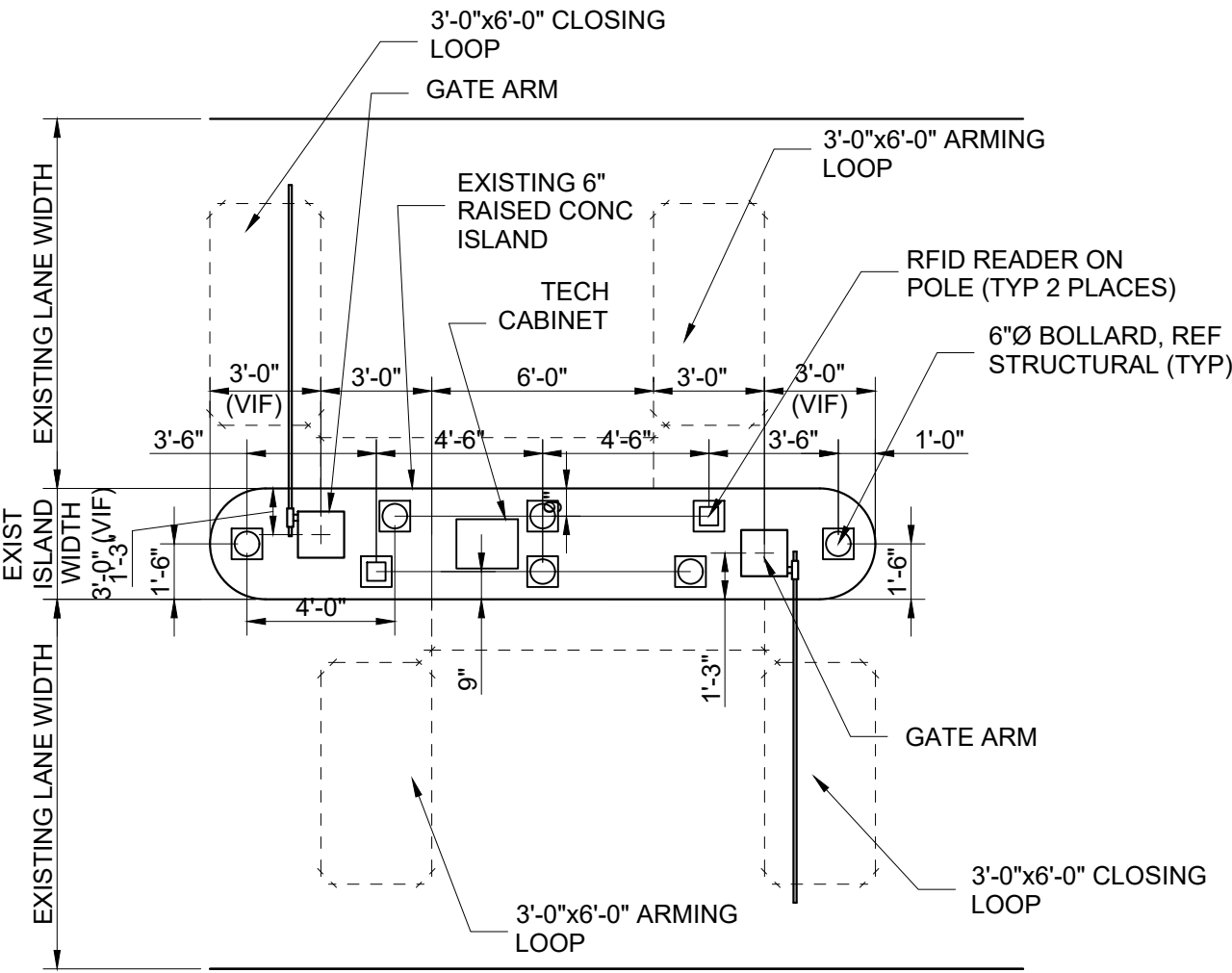




1 JFK ECOPARK BUS ENTRY/EXIT LOCATION (GROUND LEVEL)  
CX1-139 SCALE: 1"=100'-0"

NOTES:

1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
2. REFERENCE SX1-100 FOR NEW ISLAND AND BOLLARD DETAILS.
3. DIMENSIONS SHOWN FOR PARCS EQUIPMENT PLACEMENT AND EXTENTS OF NEW CURB/ISLAND ARE FOR BIDDING PURPOSES ONLY. THE PARCS VENDOR SELECTED BY THE AIRPORT MAY HAVE DIFFERENT REQUIREMENTS.
4. [XXXX] INDICATES LANE NUMBER.



2 JFK ECOPARK BUS ENTRY/EXIT DETAIL  
CX1-139 SCALE: 1"=60'-0"



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: 5-208  
WWW.KIMLEY-HORN.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY: DATE:

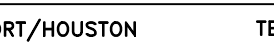
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

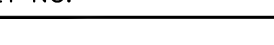
H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

CX1-139

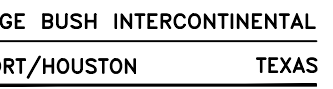




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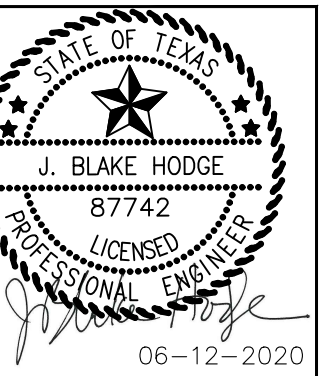


KIMLEY-HORN AND ASSOCIATES, INC.  
WOODLOCH FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2616  
TBPB FIRM REGISTRATION F-926  
WWW.KIMLEY-HORN.COM

REVISIONS		
DESCRIPTION	DATE	BY

## LANE LAYOUT

JECT MGR:	CDR
IGNER:	JBH
OWN BY:	KHA
CKED BY:	CDR
E:	NTS
:	06/12/2020



APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

DIRECTOR  
HOUSTON AIRPORT SYSTEM

JECT NO.

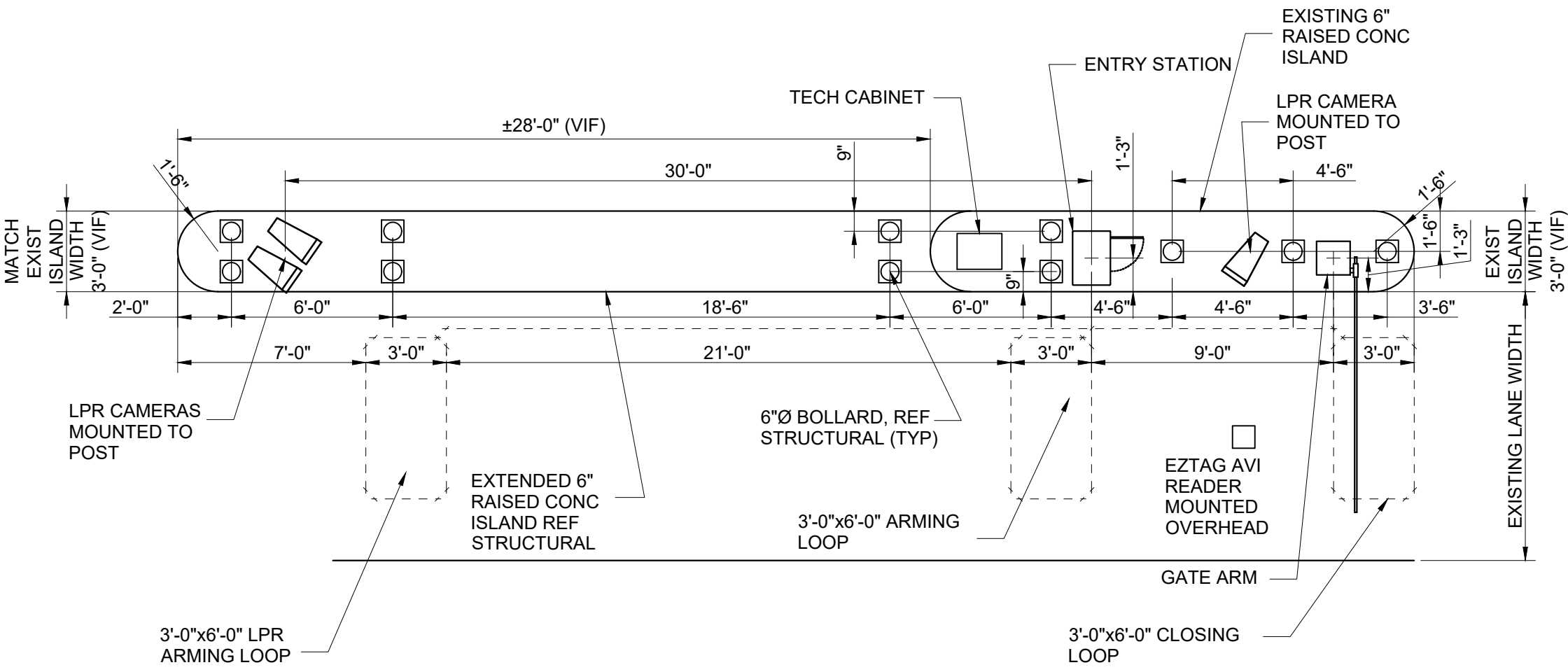
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NO.

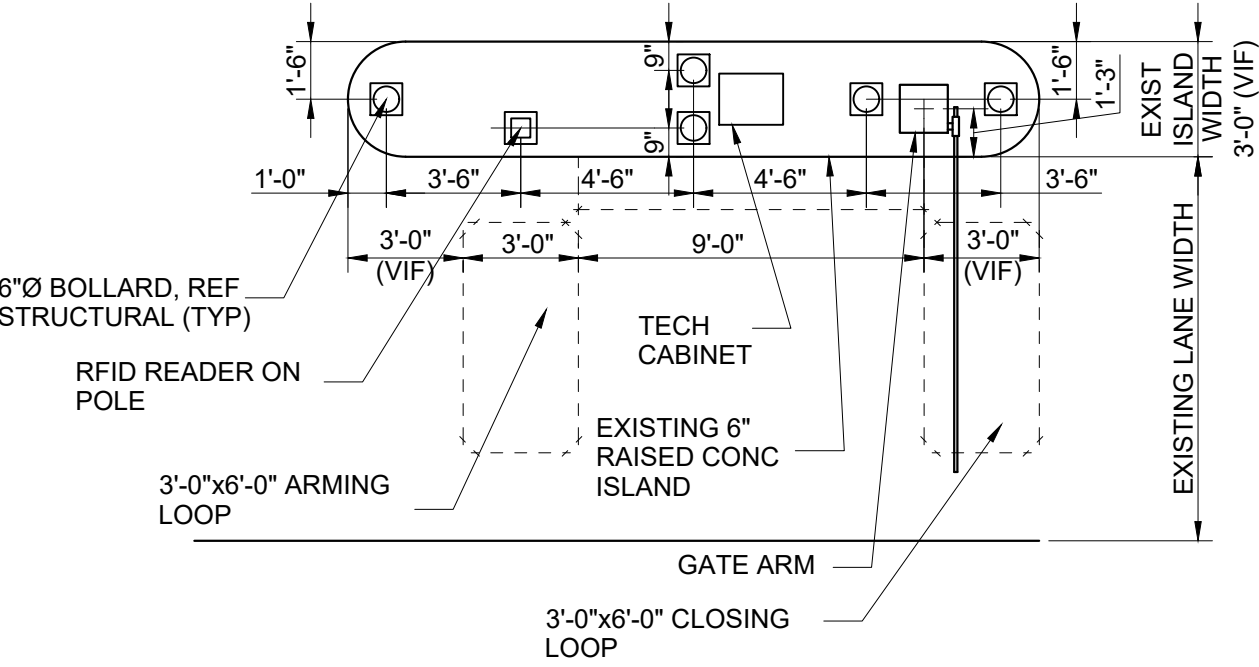
S. NO. \_\_\_\_\_  
**HIKE-PARCS-2020-003**  
 SIT NO. \_\_\_\_\_

CX1-141

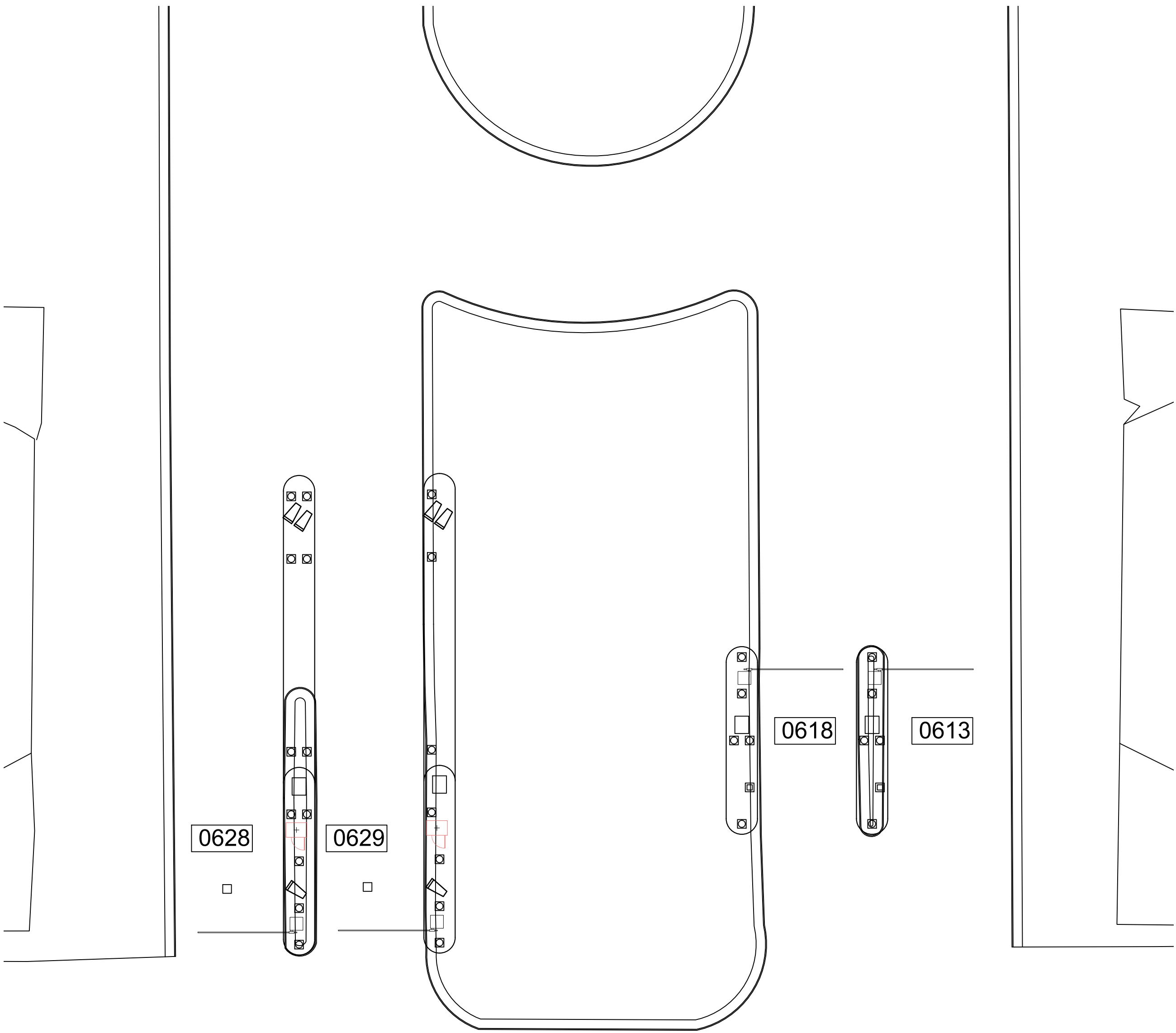
1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
2. REFERENCE SX1-100 FOR NEW ISLAND AND BOLLARD DETAILS.
3. DIMENSIONS SHOWN FOR PARCS EQUIPMENT PLACEMENT AND EXTENTS OF NEW CURB/ISLAND ARE FOR BIDDING PURPOSES ONLY. THE PARCS VENDOR SELECTED BY THE AIRPORT MAY HAVE DIFFERENT REQUIREMENTS.
4. XXXX INDICATES LANE NUMBER.



# 3 JFK ECOPARK ENTRY DETAIL --- CX1-141      SCALE: 1"=60'-0"



2 JFK ECOPARK BUS EXIT DETAIL  
CX1-141 SCALE: 1"=60'-0"

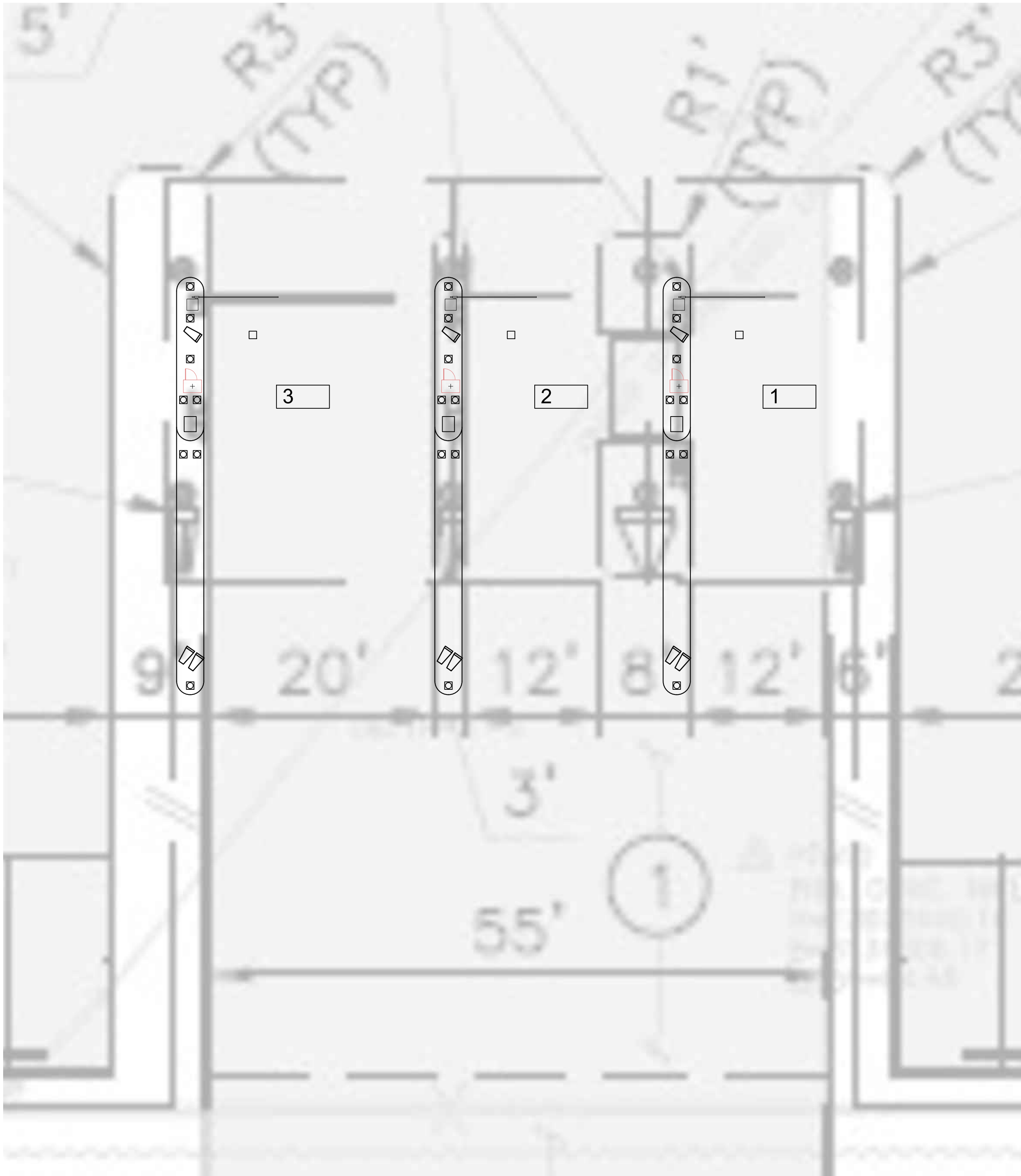


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QX1-141

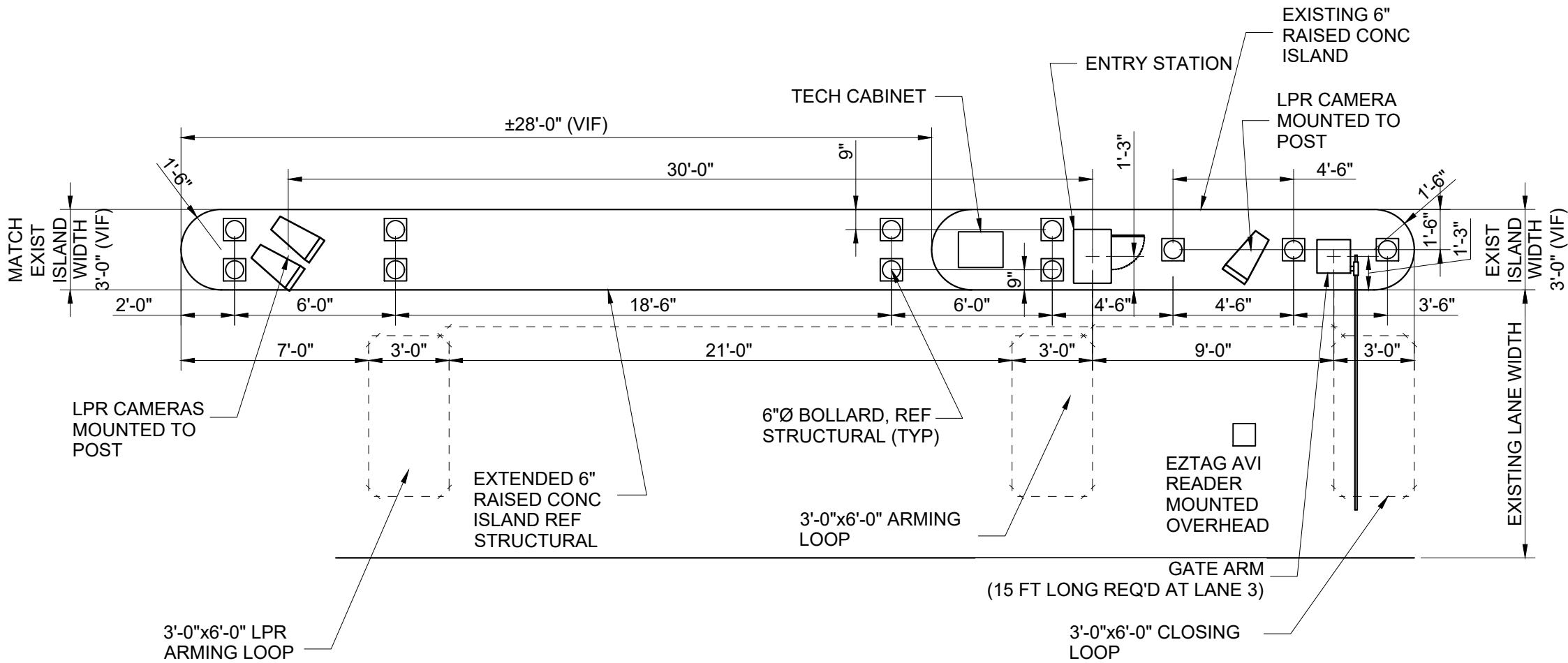
JFK ECOPARK ENTRY AND EXIT LOCATION (GROUND LEVEL)

SCALE: 1"=100'-0"





1 WILL CLAYTON ECOPARK 2 ENTRY LOCATION (GROUND LEVEL)  
CX1-142 SCALE: 1"=100'-0"



2 WILL CLAYTON ECOPARK 2 ENTRY DETAIL  
CX1-142 SCALE: 1"=60'-0"

NOTES:

1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
2. REFERENCE SX1-100 FOR NEW ISLAND AND BOLLARD DETAILS.
3. DIMENSIONS SHOWN FOR PARCS EQUIPMENT PLACEMENT AND EXTENTS OF NEW CURB/ISLAND ARE FOR BIDDING PURPOSES ONLY. THE PARCS VENDOR SELECTED BY THE AIRPORT MAY HAVE DIFFERENT REQUIREMENTS.
4. [XXXX] INDICATES LANE NUMBER.



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTONTEXAS



KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: F-528  
WWW.KIMLEY-HORN.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY:	DATE:
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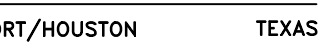
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

CX1-142





\_\_\_\_\_

## LANE LAYOUT

STATE OF TEXAS  
J. BLAKE HODGE  
87742  
LICENSED  
PROFESSIONAL ENGINEER  
06-12-2020

ET NO. \_\_\_\_\_

CX1-143

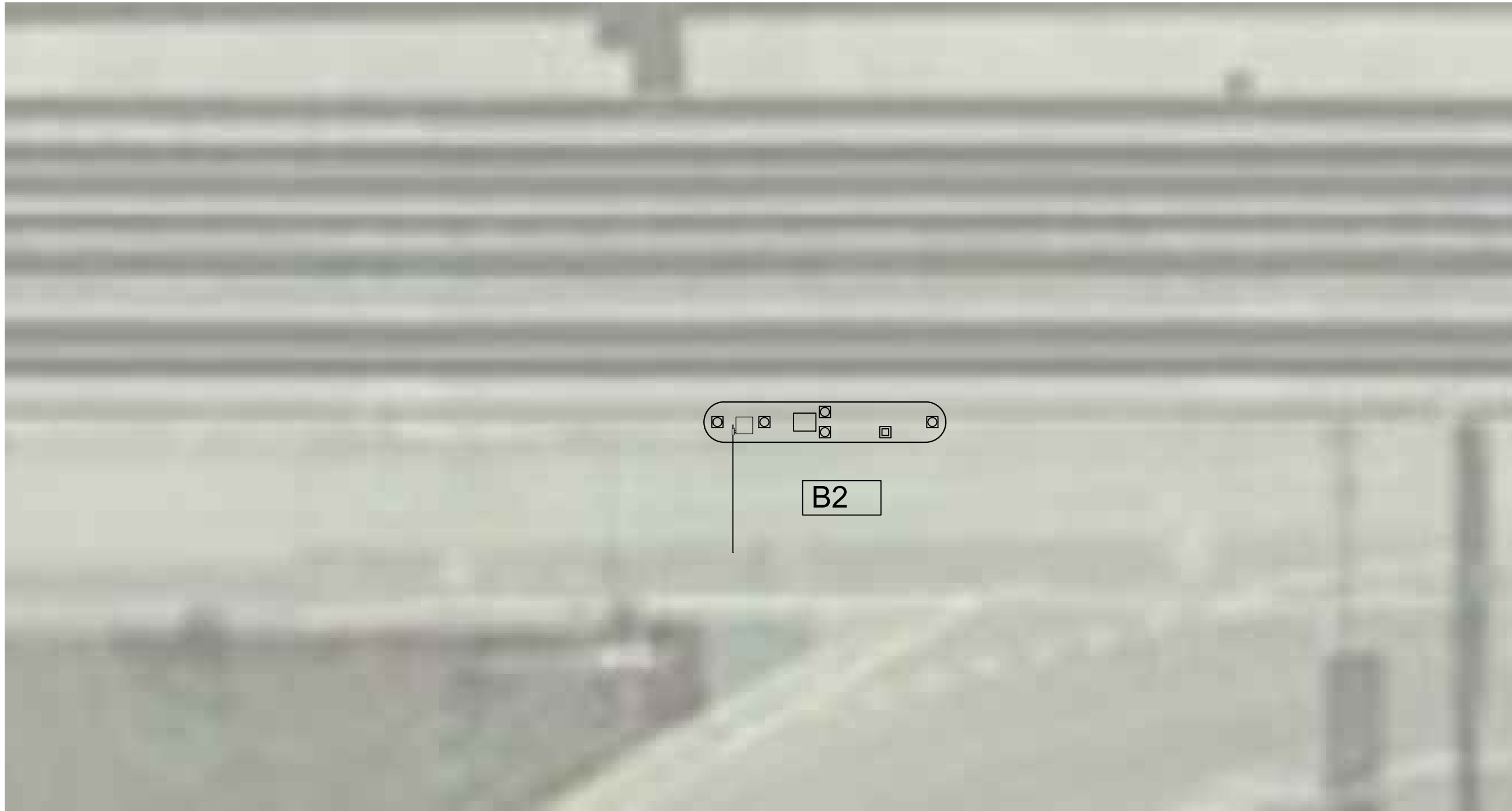
1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
2. REFERENCE SX1-100 FOR NEW ISLAND AND BOLLARD DETAILS.
3. DIMENSIONS SHOWN FOR PARCS EQUIPMENT PLACEMENT AND EXTENTS OF NEW CURB/ISLAND ARE FOR BIDDING PURPOSES ONLY. THE PARCS VENDOR SELECTED BY THE AIRPORT MAY HAVE DIFFERENT REQUIREMENTS.
4. XXXX INDICATES LANE NUMBER.



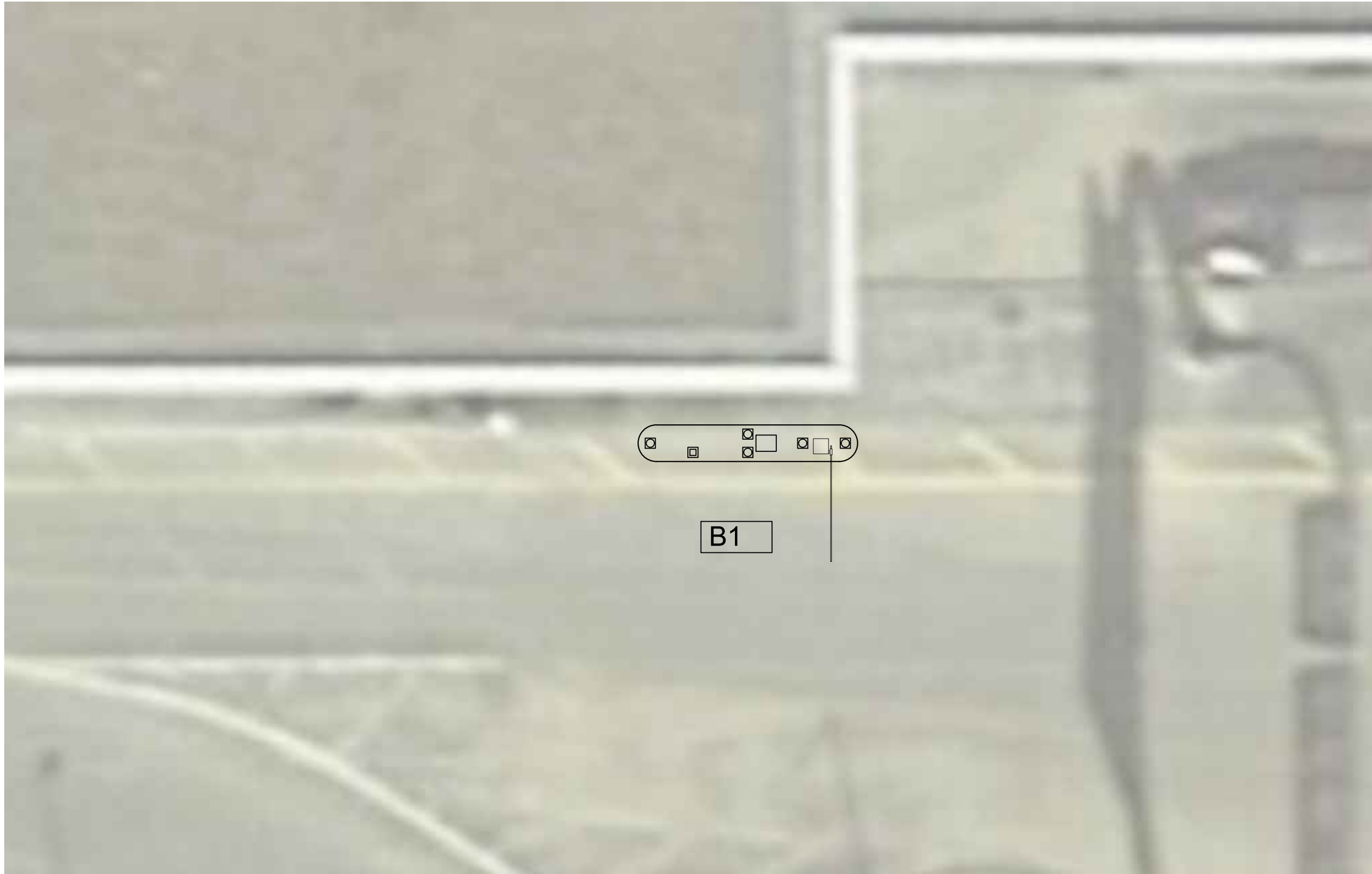








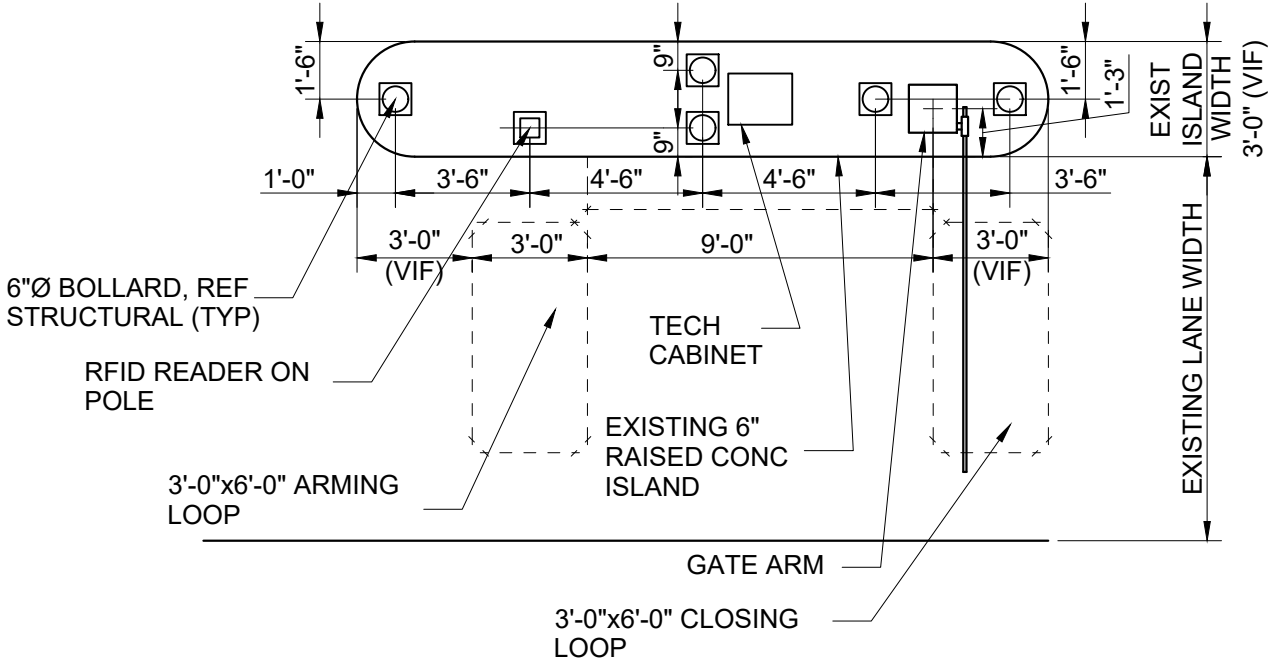
2 BUS RECIRCULATION ENTRY LOCATION (GROUND LEVEL)  
CX1-145 SCALE: 1"=100'-0"



1 BUS RECIRCULATION ENTRY LOCATION (GROUND LEVEL)  
CX1-145 SCALE: 1"=100'-0"

NOTES:

1. REFERENCE POWER, DATA AND SECURITY PLANS FOR POWER AND SECURITY CONDUIT REQUIREMENTS.
2. REFERENCE SX1-100 FOR NEW ISLAND AND BOLLARD DETAILS.
3. DIMENSIONS SHOWN FOR PARCS EQUIPMENT PLACEMENT AND EXTENTS OF NEW CURB/ISLAND ARE FOR BIDDING PURPOSES ONLY. THE PARCS VENDOR SELECTED BY THE AIRPORT MAY HAVE DIFFERENT REQUIREMENTS.
4. [XXXX] INDICATES LANE NUMBER.



3 BUS RECIRCULATION ENTRY DETAIL  
CX1-145 SCALE: 1"=60'-0"

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
LANE LAYOUT

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

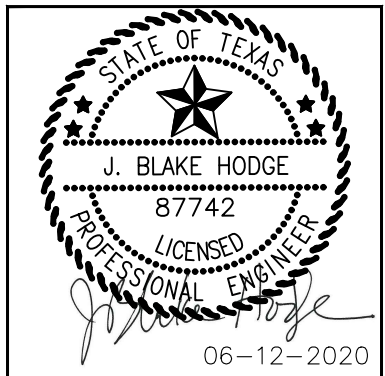
CX1-145



REVISIONS			
NO.	DESCRIPTION	DATE	BY

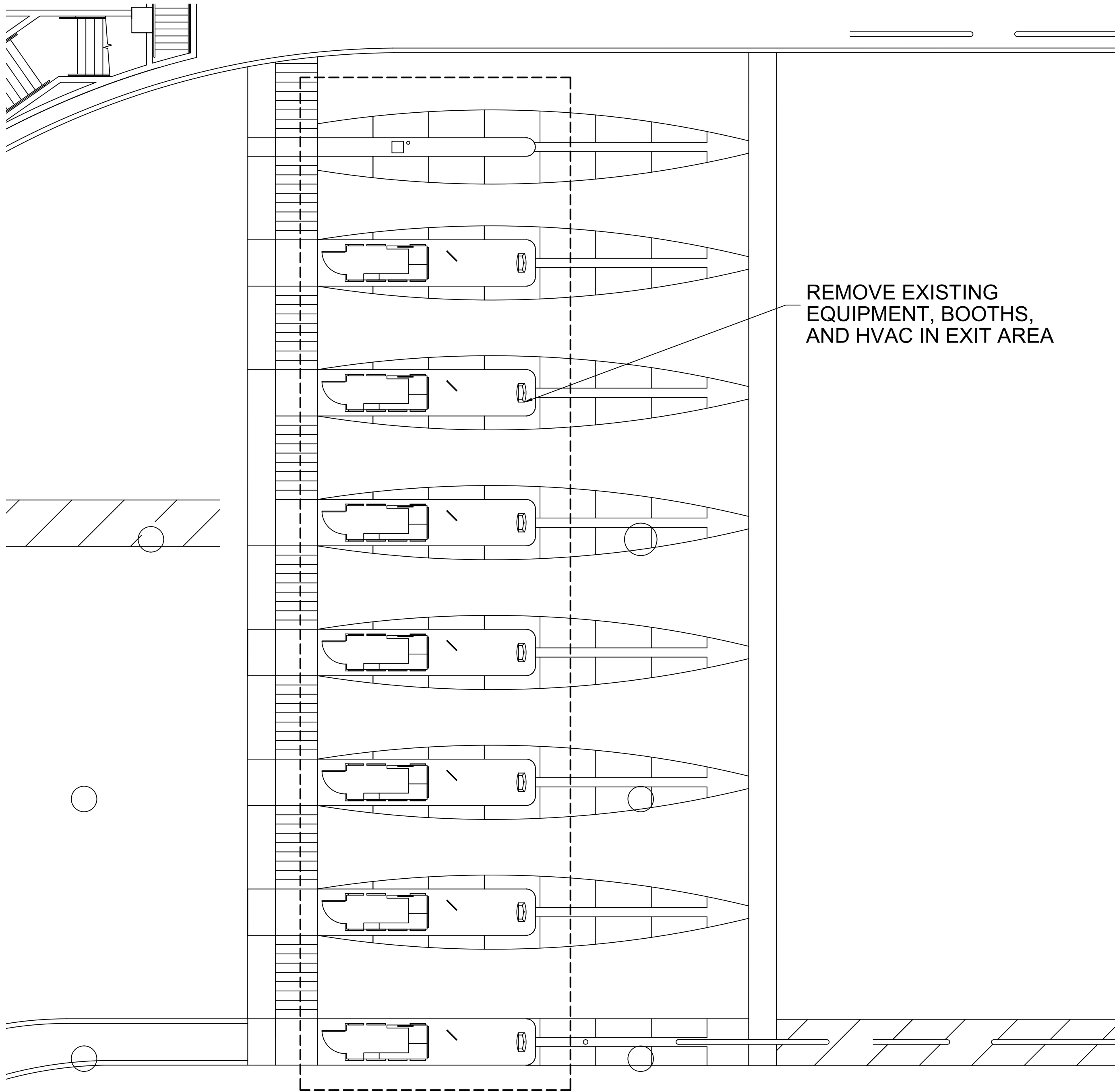
PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
DEMOLITION PLAN

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. 067810800	
C.I.P. NO.	
H.A.S. NO. PN HKE-PARCS-2020-003	
SHEET NO.	

CD1-100



1  
CD1-100

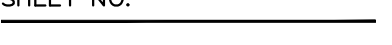
TERMINAL A/B NORTH EXIT DEMOLITION (GROUND LEVEL)

SCALE: 1"=100'-0"



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— 333 —



SCALE: 1"=100'-0"





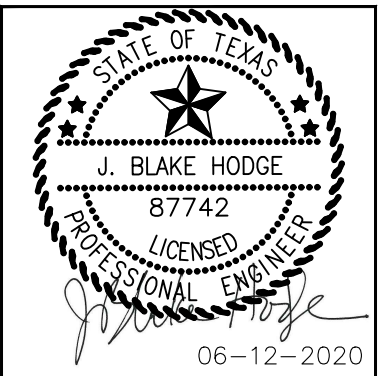
HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: 5-208  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
DEMOLITION PLAN

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



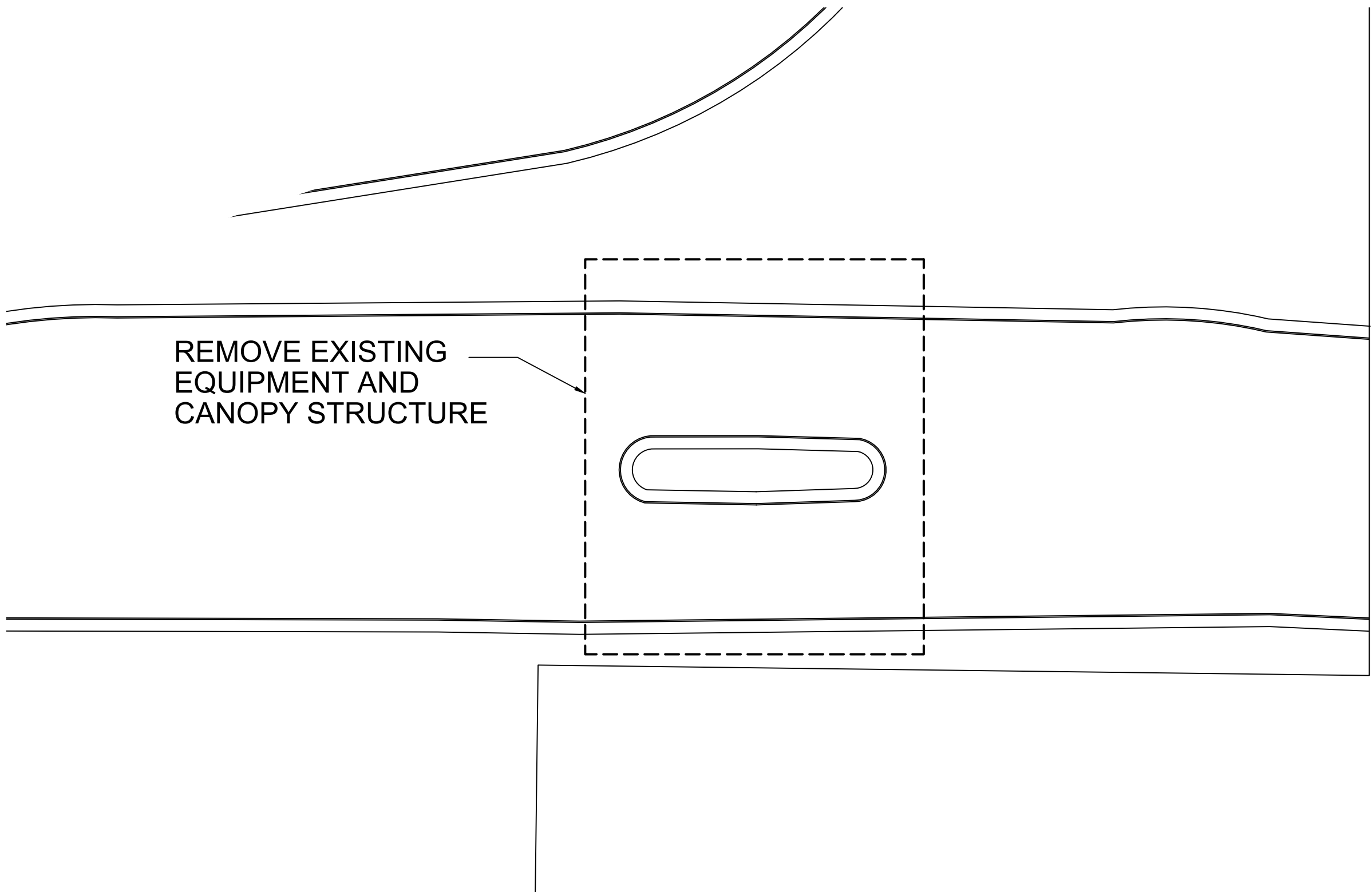
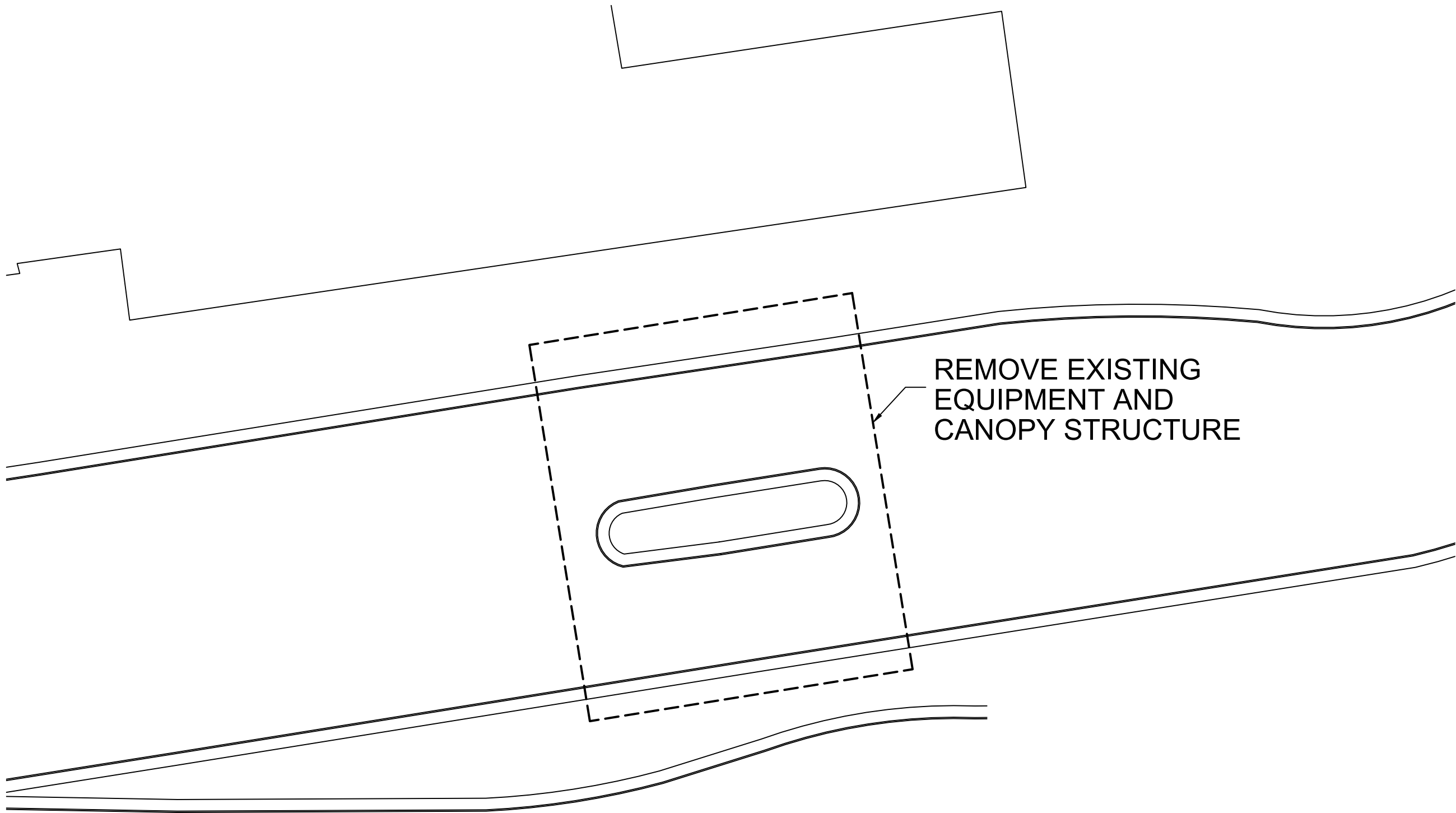
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

CD1-102



1  
CD1-102

TERMINAL C ENTRY LOCATION (GROUND LEVEL)

SCALE: 1"=100'-0"





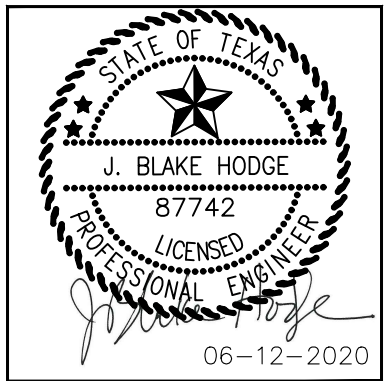
HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: 5-208  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
DEMOLITION PLAN

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.  
H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

CD1-103



1 JFK ECOPARK COVERED ENTRY NORTH LOCATION (GROUND LEVEL)  
CD1-103 SCALE: 1"=100'-0"





HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**

KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: 5-208  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
DEMOLITION PLAN

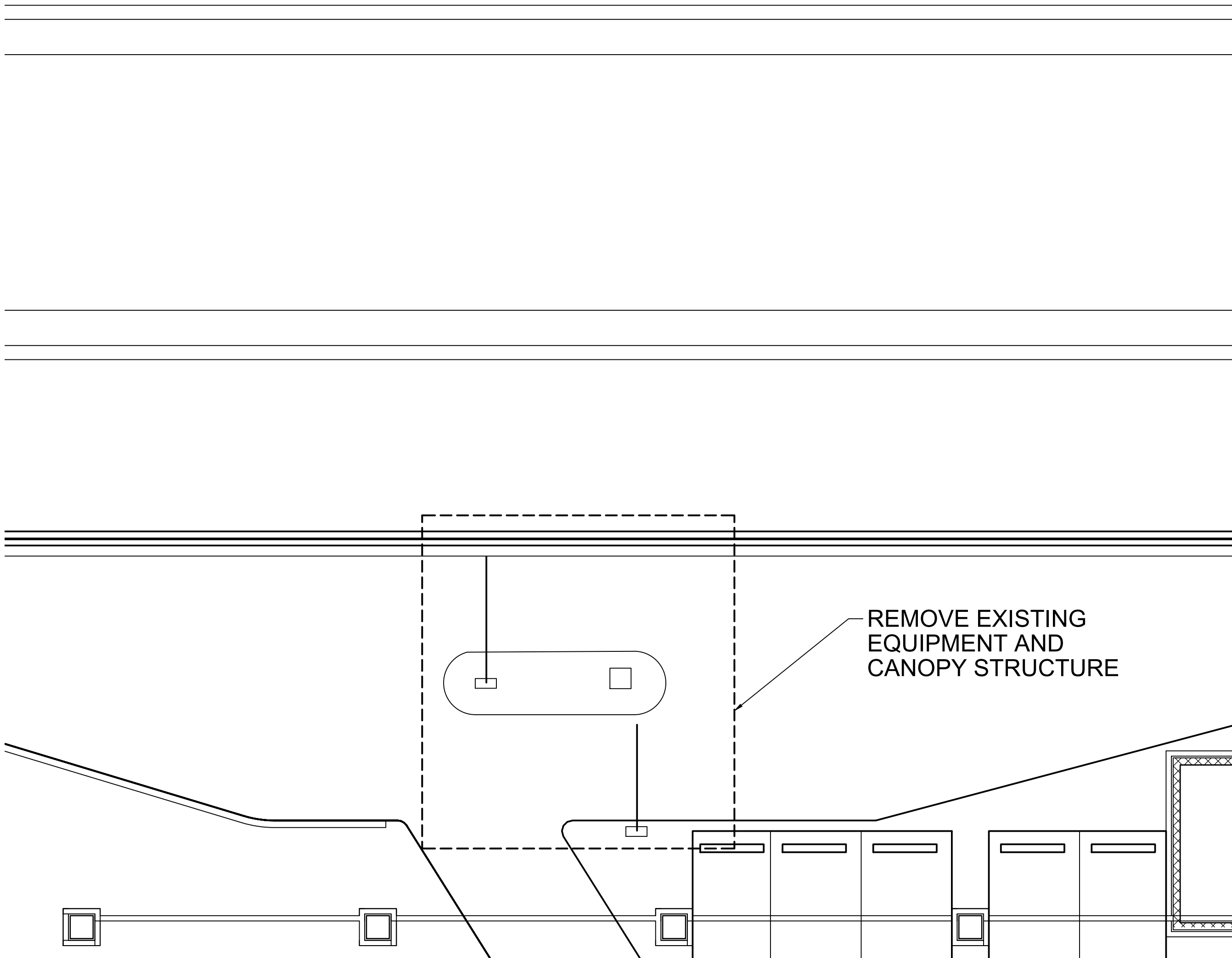
PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	

PROJECT NO.	067810800
C.I.P. NO.	
H.A.S. NO.	PN HKE-PARCS-2020-003
SHEET NO.	

CD1-104



1 TERMINAL C ENTRY LOCATION (LEVEL 2)  
CD1-103 SCALE: 1"=100'-0"



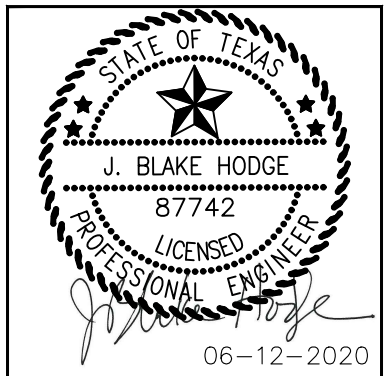




REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) WILLIAM P. HOBBY  
AIRPORT (HOU)  
STRUCTURAL DETAILS

PROJECT MGR:	CDR
DESIGNER:	JBH
DRAWN BY:	KHA
CHECKED BY:	CDR
SCALE:	NTS
DATE:	06/12/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

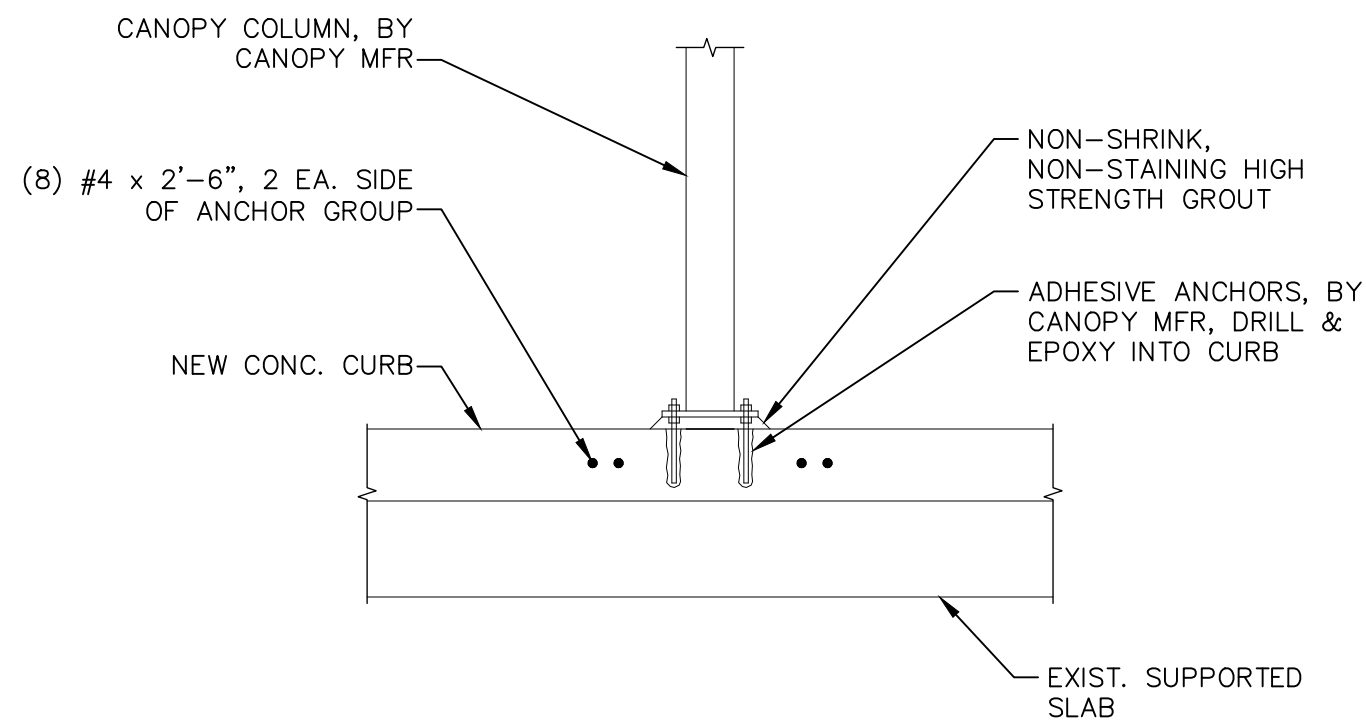
PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

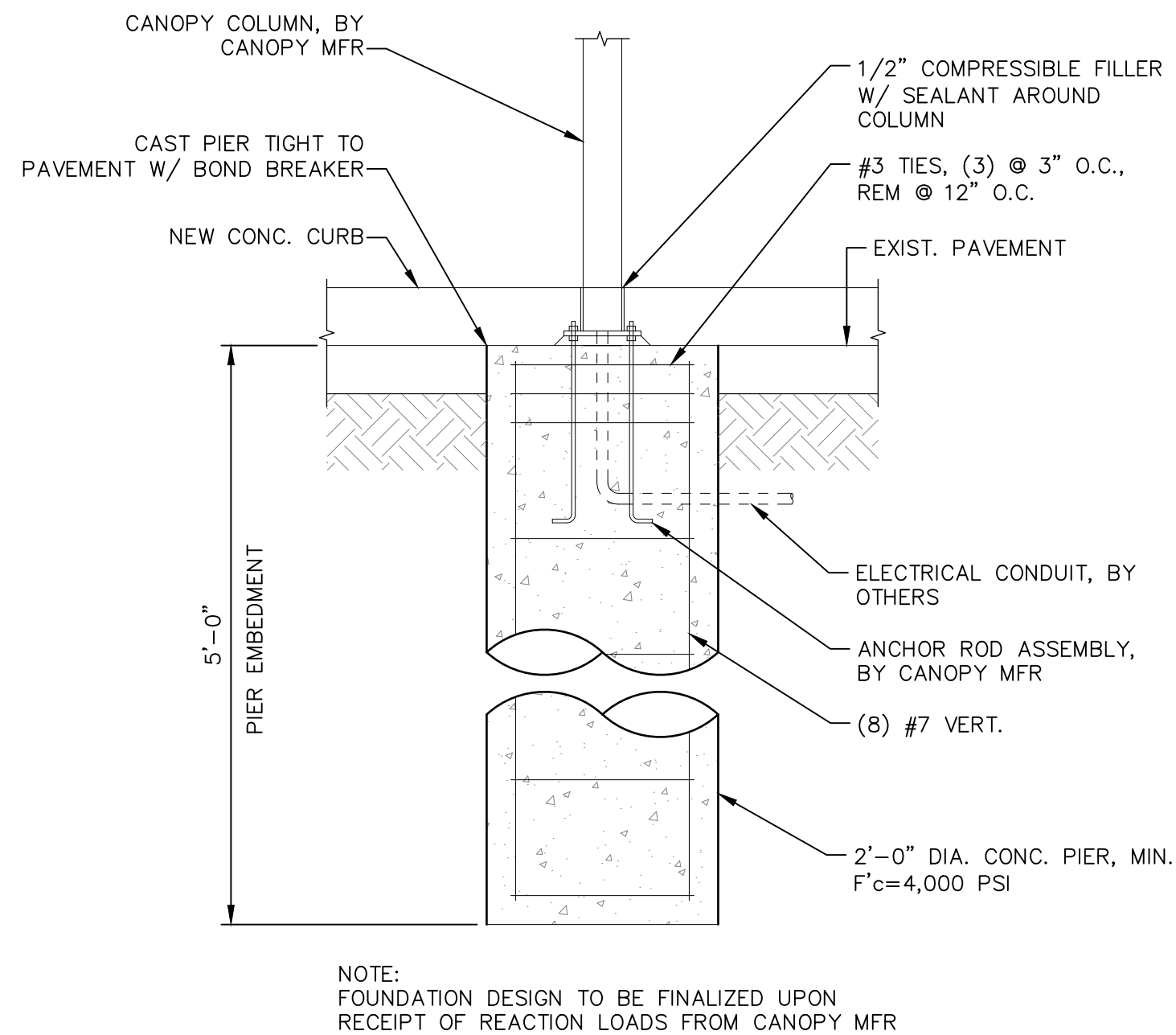
SX1-101

### CANOPY NOTES:

- PRE-MANUFACTURED ALUMINUM CANOPIES ARE A DELEGATED DESIGN AND SHALL BE GENERALLY CONFIGURED AS SHOWN IN THE EXAMPLE (1/SX1-101). BASIS OF DESIGN PRODUCT IS AVADECK, INC. (DALLAS, TX).
- DESIGN AND LAYOUT OF CANOPIES SHALL COORDINATE WITH OTHER TRADES
  - LOCATE COLUMNS TO COORDINATE WITH FINAL PARCS LAYOUT.
  - SOFFITS AND FASCIA SHALL COORDINATE WITH THE INSTALLATION OF LIGHTING, AVI ANTENNA, DYNAMIC SIGNAGE, AND ANY OTHER REQUIRED EQUIPMENT.
- PROVIDE DRAINAGE FROM CANOPY ROOF AND COORDINATE DISCHARGE, TO SURFACE BELOW. DO NOT DISCHARGE DIRECTLY TOWARDS PARCS EQUIPMENT, EXPOSED J-BOXES, CONDUIT, OR OTHER ITEMS SENSITIVE TO MOISTURE.
- COLOR SELECTION TO BE BY OWNER FROM MANUFACTURER'S STANDARD PALETTE.
- DESIGN REQUIREMENTS:
  - MEET IBC 2012 WITH LOCAL AMENDMENTS & HAS DESIGN CRITERIA.
  - MINIMUM DESIGN WIND SPEED = 139 MPH, EXPOSURE B, I = 1.0
  - MINIMUM CLEARANCE ABOVE DRIVE SURFACE = 9'-6"
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS PREPARED BY THE CANOPY MANUFACTURER FOR REVIEW AND APPROVAL BY THE ENGINEER. SHOP DRAWINGS AND CALCULATIONS SHALL BE PREPARED BY A TEXAS PROFESSIONAL ENGINEER. CALCULATIONS SHALL INCLUDE REACTION LOADS AT COLUMN BASES.



3 CANOPY COLUMN BASE DETAIL  
SCALE: 3/4"=1'-0"



2 CANOPY COLUMN FOUNDATION DETAIL  
SCALE: 3/4"=1'-0"



1 EXAMPLE DELEGATED DESIGN CANOPY (AVADECK, OR APPROVED EQUAL)  
SCALE: N.T.S.



TRAFFIC CONTROL GENERAL NOTES

1. TRAFFIC CONTROL PLAN LAYOUTS WERE PREPARED USING RECORD DRAWINGS, AERIAL IMAGES AND FIELD MEASUREMENTS. THE LOCATIONS OF ALL ITEMS SHOWN ON LAYOUTS ARE APPROXIMATE.
2. MAINTAIN TRAFFIC CONTROL PLAN AS SHOWN DURING ENTIRE PHASE/STEP. CONTRACTOR SHALL RESTORE SIGNS, BARRELS (DRUMS) AND BARRICADES IF DISPLACED.
3. ALL TRAFFIC CONTROL SHALL CONFORM TO THE LATEST VERSION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD). FIELD MODIFICATIONS MAY BE MADE TO ADDRESS HOUSTON AIRPORTS CONDITIONS WITH THE APPROVAL OF THE ENGINEER.
4. MINIMUM SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS ARE AS SHOWN ON PLANS.
5. CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS, OR RESULT IN DUPLICATE, OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING OR REMOVAL OF DEVICES, AS DIRECTED BY THE ENGINEER.
6. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION, MAINTENANCE, AND REMOVAL OF TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHOULD BE INSPECTED DAILY AND REPAIRED OR REPLACED AS NECESSARY. AFTER REMOVAL, CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF MODIFICATIONS TO ROADWAY AND SIDEWALK SURFACES, ROADWAY MARKINGS, AND SIGNAGE DUE TO TRAFFIC CONTROL DEVICES OR CONSTRUCTION ACTIVITY.
7. IF THE TCP IS ACTIVE DURING THE HOURS OF DARKNESS, ALL CHANNELIZATION DEVICES (DRUMS) SHALL HAVE A TYPE "C" STEADY-BURN WARNING LIGHT OR EQUIVALENT REFLECTOR, AND ALL WARNING SIGNS SHALL HAVE A TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHT, AS REQUIRED IN ACCORDANCE WITH THE CURRENT EDITION OF TMUTCD.
8. WHEN THE TCP IS NOT IN EFFECT, ALL CHANNELIZING DEVICES SHALL BE REMOVED FROM THE TRAVEL LANES AND ALL SIGNS SHALL BE COVERED OR TURNED AWAY FROM THE DIRECTION OF TRAFFIC.
9. TWO-WAY OPERATION IN ONE LANE MUST BE CONTROLLED BY A QUALIFIED FLAGGER AT EACH FLAGGER STATION. A QUALIFIED FLAGGER SHALL BE INDEPENDENTLY CERTIFIED OR TRAINED BY A CERTIFIED FLAGGER INSTRUCTOR.

10. FLAGGERS SHALL BE EQUIPPED WITH PERSONAL PROTECTIVE EQUIPMENT, A STOP/SLOW PADDLE, A HANDHELD RADIO FOR COMMUNICATION WITH THE OTHER FLAGGER STATION(S), AND A NOISEMAKING DEVICE (E.G. AIR HORN) FOR WARNING WORKERS OF AN EMERGENCY.
11. FLAGGER STATIONS SHALL BE EMPLOYED AS SHOWN ON PLANS FOR SAFETY. SUCH FLAGGER STATIONS SHALL BE MARKED BY PLACEMENT OF MINIMUM 3 TRAFFIC DRUMS.
12. DO NOT ALLOW WORKERS TO CONGREGATE AROUND FLAGGER STATIONS.
13. IF FLAGGER OPERATION IS IN EFFECT DURING DARKNESS, FLAGGER STATIONS SHALL BE ILLUMINATED.
14. DO NOT STOP TRAFFIC IN ANY ONE DIRECTION FOR MORE THAN 5 MINUTES AT A TIME.
15. THE PROTECTION AND CONVENIENCE OF THE PUBLIC DURING CONSTRUCTION OF THIS PROJECT ARE OF PRIMARY IMPORTANCE. TRAFFIC MUST BE HANDLED THROUGHOUT THE PROJECT DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SAFE AND COMFORTABLE PASSAGE FOR VEHICULAR TRAFFIC WITH MINIMAL INCONVENIENCE TO THE PUBLIC, AS SHOWN IN THE PLANS OR AS DIRECTED/APPROVED BY HAS/ENGINEER.
16. DO NOT STORE ANY CONSTRUCTION MATERIAL OR EQUIPMENT AT ANY LOCATION THAT WILL CONSTITUTE A HAZARD AND WILL ENDANGER TRAFFIC.
17. ALL SEQUENCE OF WORK ON THIS PROJECT SHALL BE COORDINATED TO COINCIDE WITH ANY PROJECTS WITHIN OR ADJACENT TO THIS PROJECT.
18. CONTRACTOR SHALL COVER EXISTING SIGNS IN CONFLICT WITH THE INTENT OF THE TRAFFIC CONTROL PLAN THAT MAY CAUSE CONFUSION TO THE TRAVELING PUBLIC.
19. ALL TEMPORARY SIGNS, BARRICADES, WARNING LIGHTS, CHANNELIZATION DEVICES, AND OTHER MISCELLANEOUS TRAFFIC CONTROL MEASURES SHALL BE REMOVED AT THE END OF THE CONSTRUCTION OPERATIONS.
20. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF SIGNS, BARRICADES, STRIPING, OR OTHER WARNING DEVICES FURNISHED WHEN NECESSARY TO SAFELY GUIDE TRAFFIC THROUGH THE CONSTRUCTION AREA.

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL GENERAL NOTES

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	067810800
C.I.P. NO.	
H.A.S. NO.	PN HKE-PARCS-2020-003
SHEET NO.	



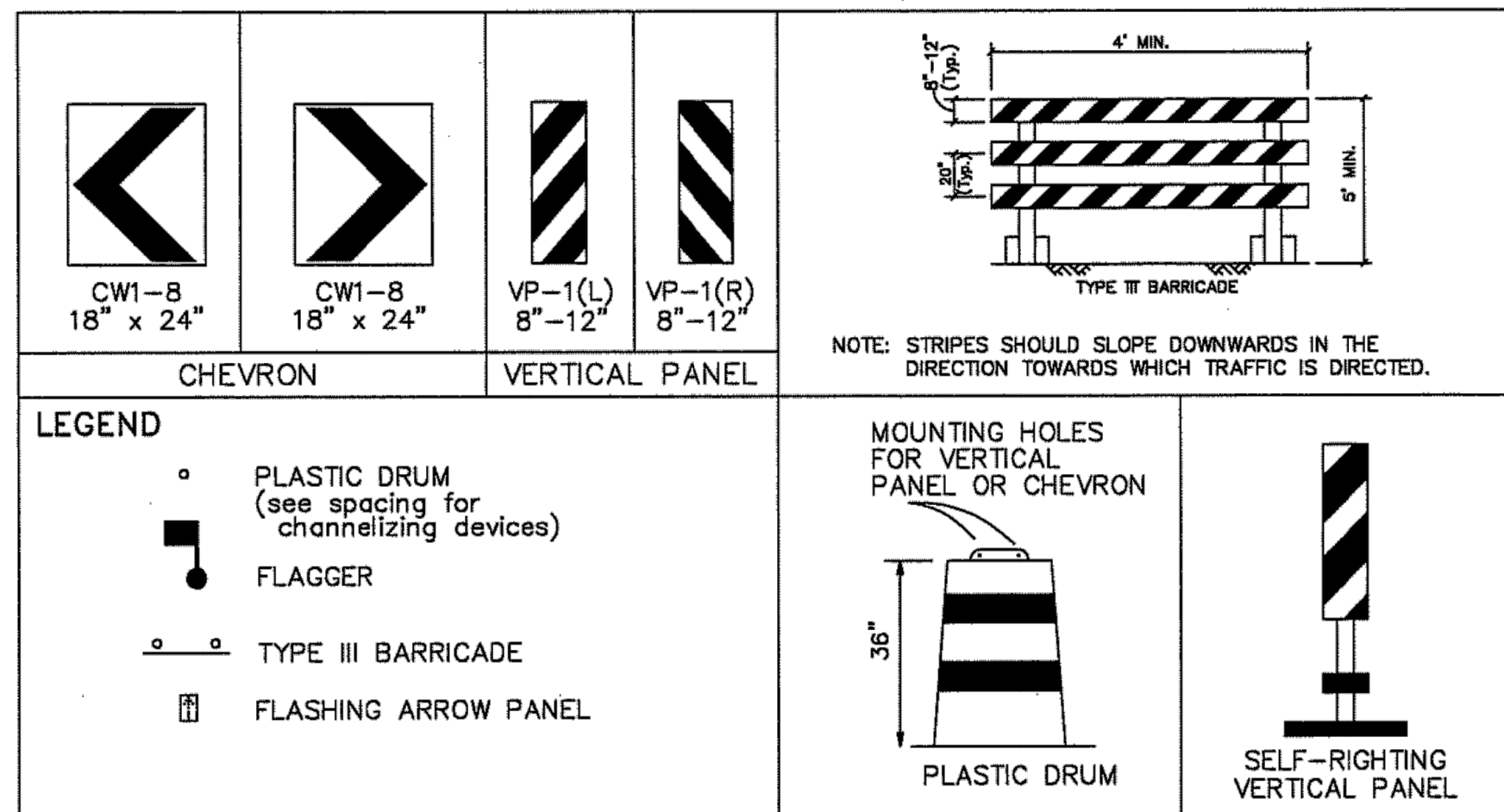
## GENERAL NOTES

- The Contractor shall provide and install traffic control devices in conformance with Part VI of the Texas Manual on Traffic Control Devices (TMUTCD).
- All signs and traffic control devices shall conform the latest version of the TMUTCD.
- No lanes shall be closed during the hours of 7:00 AM to 9:00 AM and 4:00 PM to 6:00 PM Monday thru Friday without approval of the City Traffic Engineer.
- No work shall be performed in residential areas from 7:00 PM to 7:00 AM.
- Contractor shall maintain approved number of through lanes of traffic in each direction during construction working hours. Traffic control plans shall include one-way and/or detour plans. Contractor shall maintain ADA compliant pedestrian access to bus stops and adequate bus access to all the bus stops.
- Contractor shall maintain traffic lanes and detours according to traffic control plans during working hours.
- Contractor shall cover open pavement excavations for minor utility work with anchored steel plate during non-working hours, and open lanes for normal traffic flow when feasible.
- If the Contractor chooses to use a different method of "Traffic Control Plans" during the construction than what is outlined in the contract drawings, the Contractor shall be responsible for prepare and submit an alternate set of traffic control plans to the City of Houston Project Manager for approval ten working days prior to implementation. These plans shall be drawn to scale and reproducible in mylars and shall be sealed by a Licensed Engineer in the State of Texas. Transportation & Drainage Operations representative approval is required to accept the proposed changes.
- Contractor shall secure lane/sidewalk/bicycle facility closure permits from Transportation & Drainage Operations (Mobility Permit Section at <http://www.gims.houstontx.gov/portalWS/MainPortal.aspx>) before implementing the traffic control plans, construction sequencing, and construction schedule with the application.
- Contractor shall have approved traffic control plan and permit at the job site for inspection at all times.
- During pavement restoration projects; the Contractor shall not open closed lanes until the pavement surface has cured enough to allow vehicular traffic according to City of Houston Standard Specifications.
- The Contractor is responsible for scheduling and coordinating all construction activities with stake holders in the vicinity including emergency response agencies such as Houston Police Department, Houston Fire Department, and Metropolitan Transit Authority.
- Contractor shall be responsible for issuing all work directives to all sub-contractors, utility companies, and all other entities performing construction work associated with the project.
- Nothing in these notes or plans shall relieve the Contractor of the responsibility for job site conditions during the course of construction of the project; including safety of all modes of transportation, persons, and property, and that this requirement shall apply continuously and not be limited to working hours.
- The Transportation & Drainage Operations (Mobility Permits Group) per the direction of the City Traffic Engineer have the right to demand the installation of additional traffic control devices or modifications of these plans and notes, as deemed necessary to promote the safe and orderly flow of traffic, including pedestrians and bicycles, through the construction work zone. The Contractor shall comply with these additional requests or modifications with due diligence.
- All existing traffic control signs and pavement markings shall be maintained in visible locations during construction unless prior written approval is obtained from City of Houston Project Manager. The Contractor shall restore or replace (at the discretion of the City Traffic Engineer) any pavement marking or signing damage during construction operations, including Raised Pavement Markers (RPMs).
- When entering or leaving roadways carrying public traffic, the Contractor's equipment whether empty or loaded shall in all cases yield to public traffic with assistance of Contractor provided certified flagger/peace officer.
- Access to driveways adjacent to the construction work zone shall be maintained at all times as much as possible. Additional cones delineators may be required to delineate the driveway access route through the construction zone. A minimum of a travel lane shall be maintained across the driveways, unless prior written approval is obtained from City of Houston Project Manager.
- Spillage resulting from hauling operations along or across any public traveled way shall be removed immediately by the Contractor.
- The Contractor shall submit an application for temporary parking restrictions if there are parking meters located at the proposed lane closures from Parking Management Division (832-393-8690) at least ten business days before implementation of lane closures. In addition, temporary no parking signs shall be posted 24 hours prior to commencement of work.
- Additional off duty officers/flaggers may be requested to direct traffic when lanes are blocked at the discretion of the City Project Manager even if they are not specifically identified on the project plans.
- The Contractor shall replace within 72 hours, all traffic signal loop detectors damaged during construction.
- In general, a solar powered flashing arrow board shall be required on all major thoroughfare lanes closures. Exceptions to flashing arrow boards and/or implementation on residential lane closures shall be approved by City Traffic Engineer.
- Approved traffic control plan shall be in place before starting any excavation.

## SPACING FOR CHANNELIZING DEVICES

- Plastic drums on merging taper @ 30' c - c with chevron sign @ 60' c - c and warning lights for overnight closure.
- Plastic drums on downstream taper @ 30' c - c (return taper and barricade are optional and divided roadway section).
- Plastic drums on radii @ 35' c - c.
- Plastic drums on tangent @ 35' c - c with vertical panel at 70' c - c and approved warning light @ 70' c - c (for overnight closure).
- Plastic drums in front of construction zone @ 20' c - c with vertical panel at 40' c - c and approved warning light @ 40' c - c (for overnight closure).
- Concrete Traffic Barrier (CTB) or Low Profile Concrete Traffic Barrier (LPCTB) with approved reflectors @ 10' c - c if pavement drop is greater than 1 foot.
- Plastic drums w/Guard rail mounted.
- Self-Righting vertical panel spacing.
  - 4 lanes to 2 lanes undivided roadway section @ 20' c - c.
  - 4 lanes divided roadway to one side two way roadway @ 20' c - c.
  - Left lane and right lane storage bays @ 15' c - c.
- Spacing shown on traffic control shall supersede the above spacing.
- Spacing may be adjusted to provide driveways, intersections and /or median openings.

## CHANNELIZATION AND BARRICADES



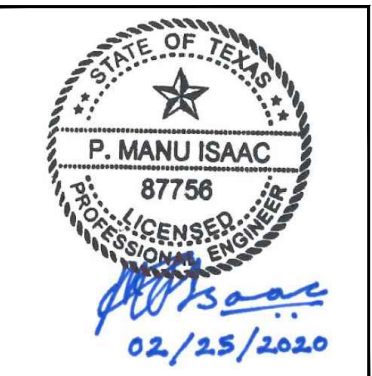
TYPICAL SIGN SPACING, TAPER LENGTHS, AND SUGGESTED SPACING OF CHANNELIZATION DEVICES						
Posted Speed (mph)	Sign Spacing "X"	Min. Desirable Taper Length "L"			Suggested Maximum Spacing Of Device	
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent
30	120'	150'	165'	180'	30'	60' - 75'
35	160'	205'	225'	245'	35'	70' - 90'
40	240'	265'	295'	320'	40'	80' - 100'
45	320'	450'	495'	540'	45'	90' - 110'
50	400'	500'	550'	600'	50'	100' - 125'
55	500'	550'	605'	660'	55'	110' - 140'

CITY OF HOUSTON HOUSTON PUBLIC WORKS	
TCP NOTES CHANNELIZING DEVICES AND BARRICADES (NOT TO SCALE)	
 CITY TRAFFIC ENGINEER	 DIRECTOR OF HOUSTON PUBLIC WORKS
EFF DATE: JUL-01-2018	DWG NO: 01512-01

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
CHANNELIZING DEVICES STANDARD

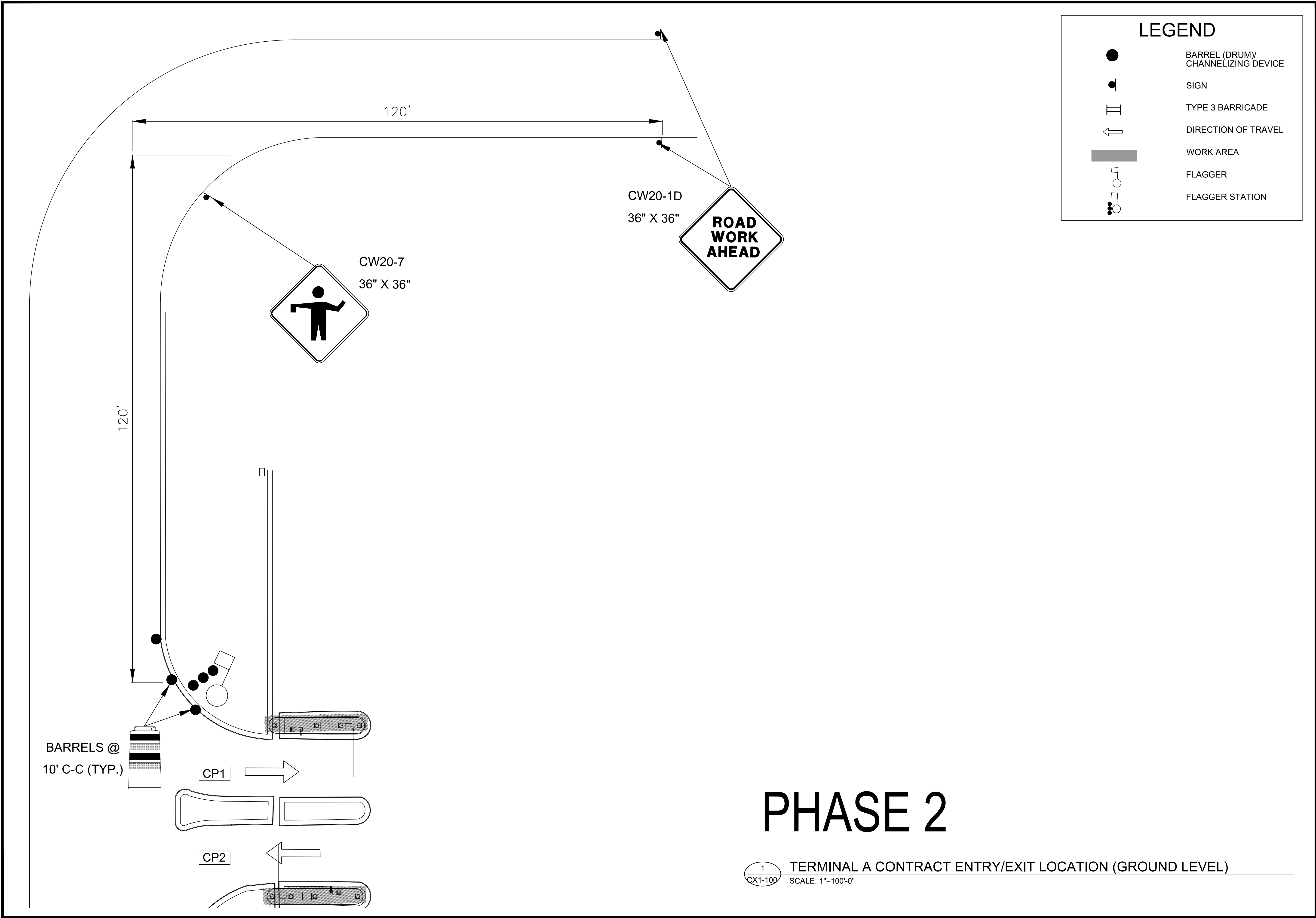
PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	

PROJECT NO.
067810800
C.I.P. NO.
H.A.S. NO.
PN HKE-PARCS-2020-003
SHEET NO.





LEGEND

BARREL (DRUM)/  
CHANNELIZING DEVICE

SIGN

TYPE 3 BARRICADE

DIRECTION OF TRAVEL

WORK AREA

FLAGGER

FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON

TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLOCK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TDD: 281-475-2816

WWW.KIMLEY-HORN.COM

REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR: CDR

DESIGNER: IMR

DRAWN BY: KHA

CHECKED BY: MI

SCALE: NTS

DATE: 02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

PROFESSIONAL ENGINEER

*P. Manu Isaac*

02/25/2020

APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800

C.I.P. NO.

H.A.S. NO.

PN HKE-PARCS-2020-003

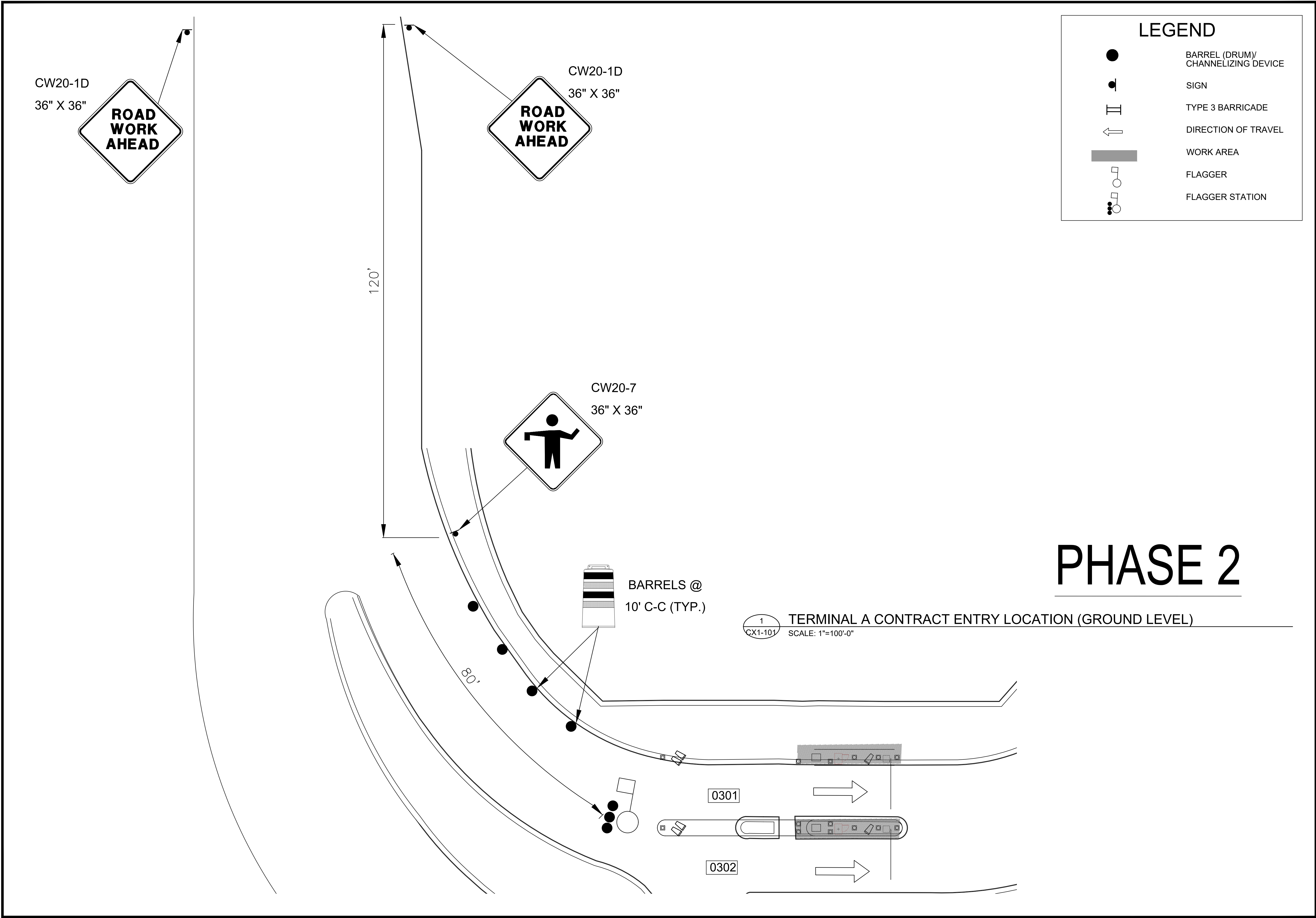
SHEET NO.

TCP-1

1  
CX1-100

TERMINAL A CONTRACT ENTRY/EXIT LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"







**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**

KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TOLL FREE: 800-451-7222  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)

**TRAFFIC CONTROL PLAN**

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**

C.I.P. NO.

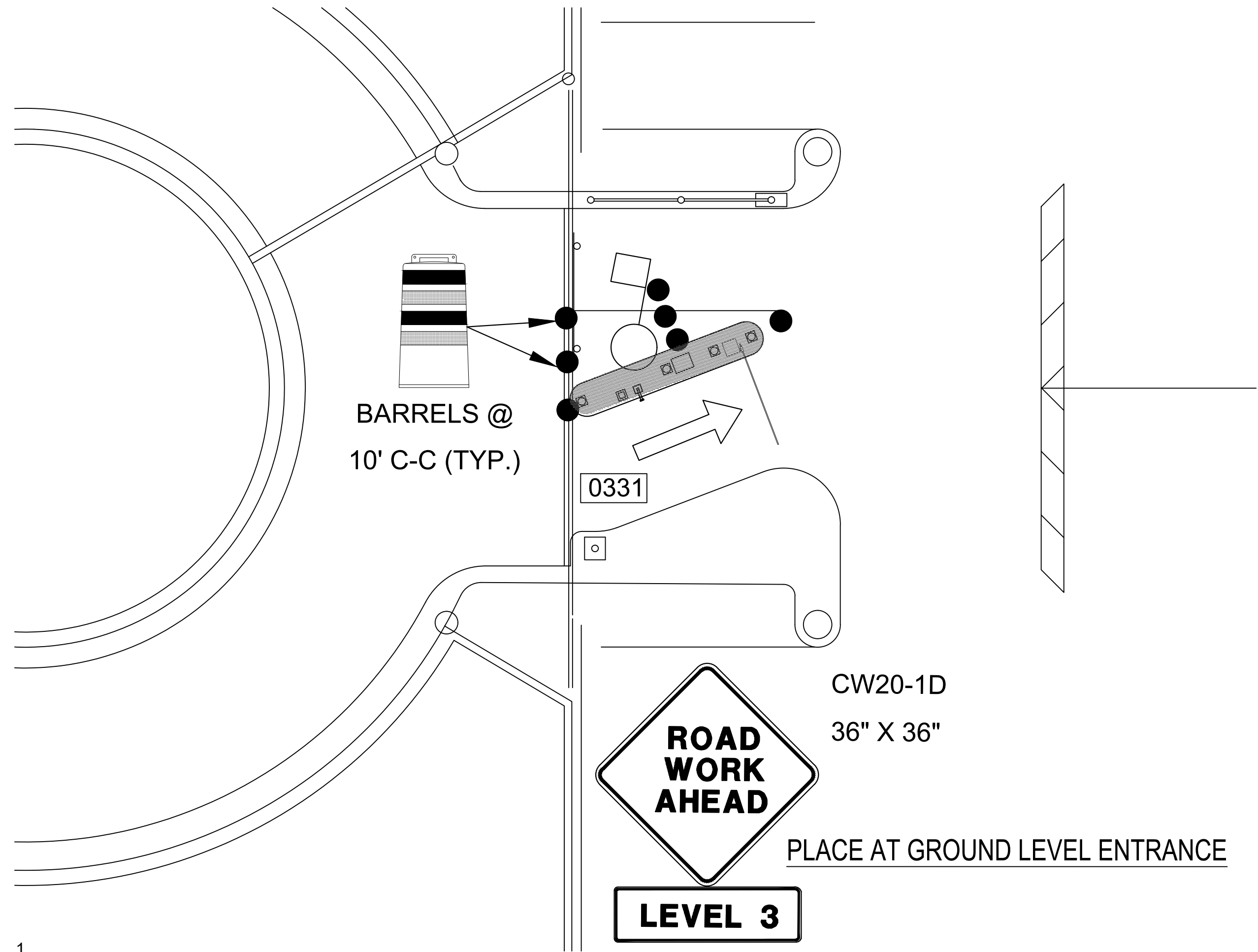
H.A.S. NO.

**PN HKE-PARCS-2020-003**

SHEET NO.

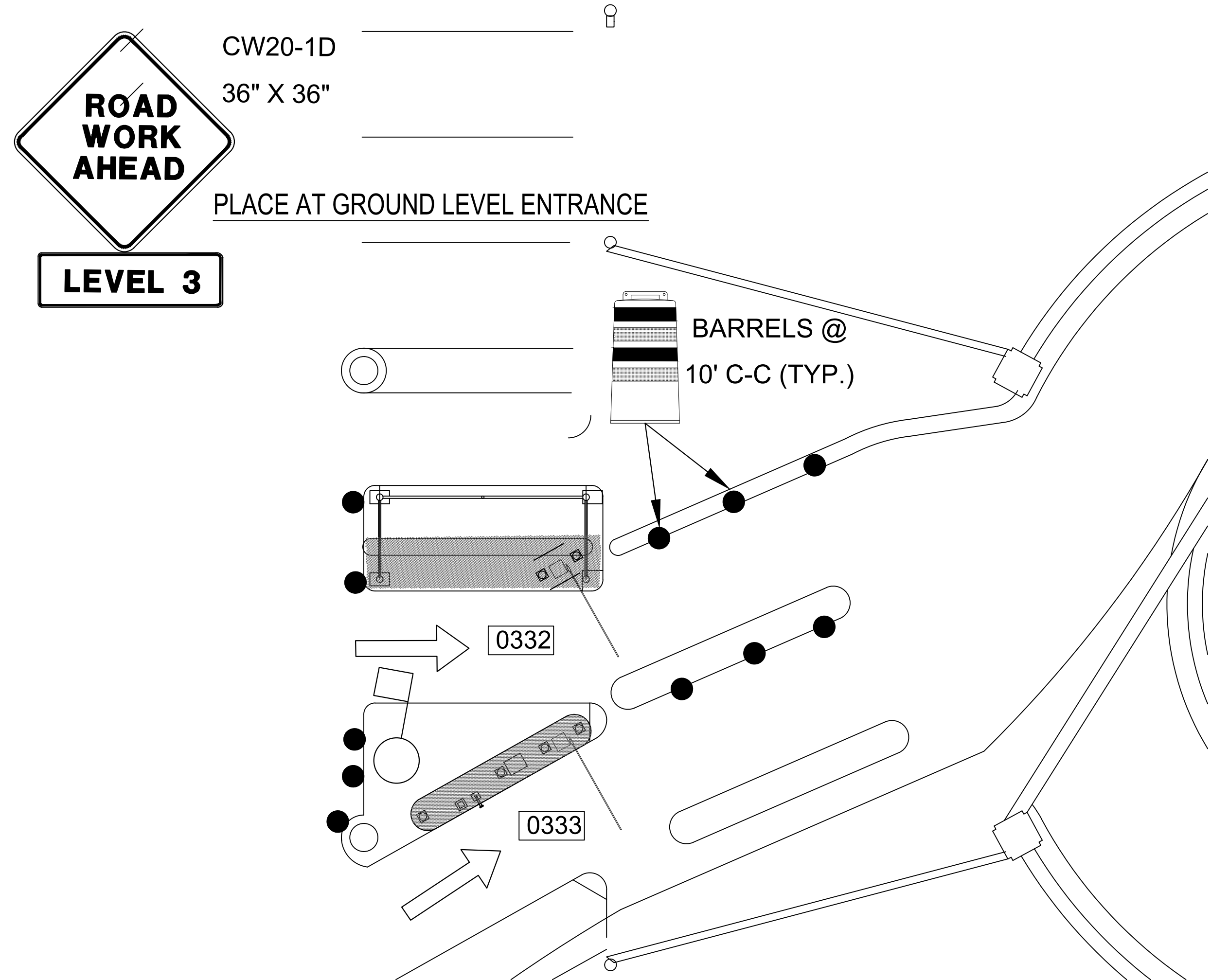
**TCP-2**





1  
CX1-102  
SCALE: 1"=100'-0"  
TERMINAL A CONTRACT ENTRY LOCATION (LEVEL 3)

# PHASE 2



1  
CX1-103  
SCALE: 1"=100'-0"  
TERMINAL A CONTRACT EXIT LOCATION (LEVEL 3)

HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLARK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TDD: 281-475-2816  
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REVISIONS		
NO.	DESCRIPTION	DATE BY

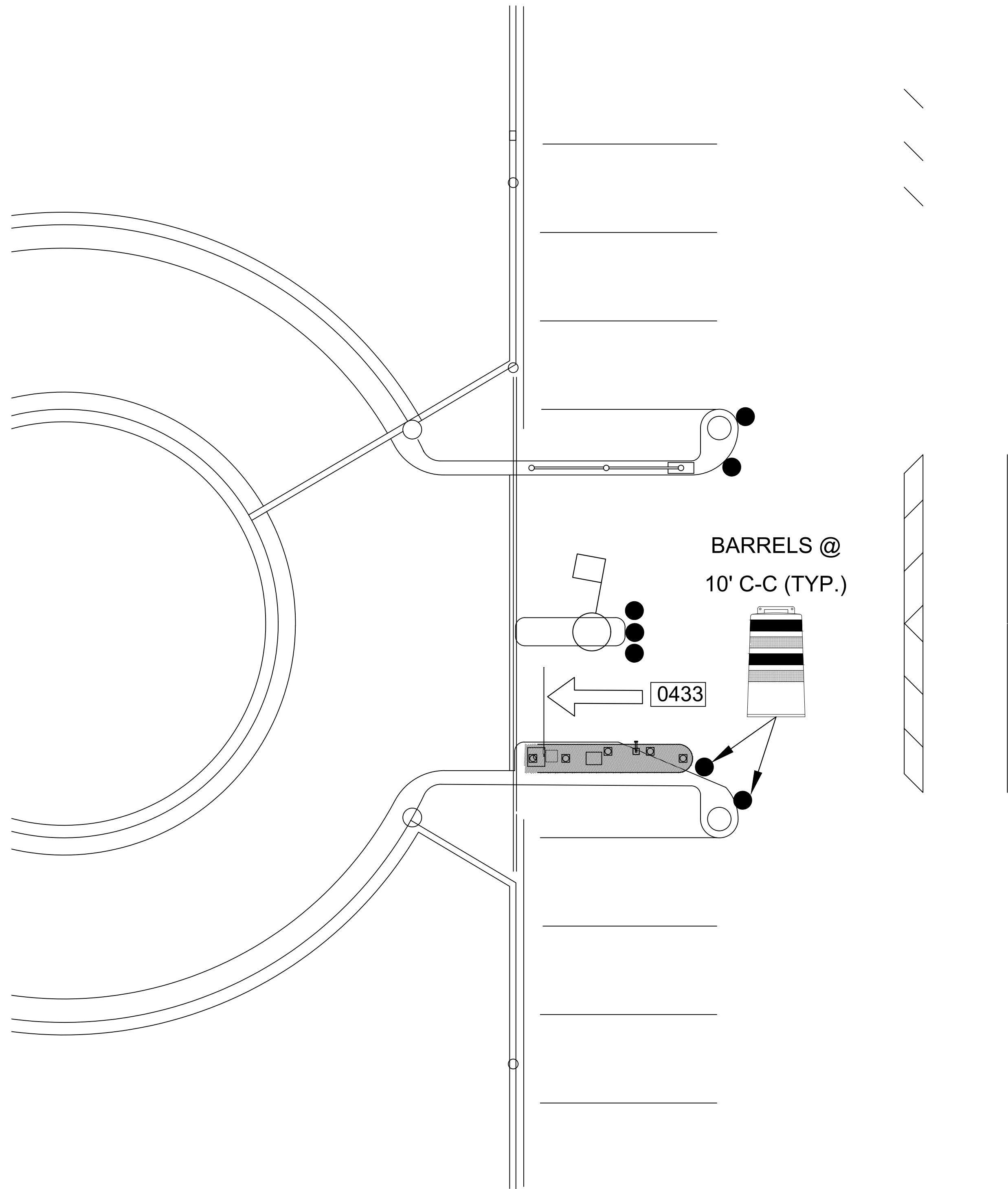
PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020

APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. 067810800	
C.I.P. NO.	
H.A.S. NO.	
PN HKE-PARCS-2020-003	
SHEET NO.	

TCP-3





# PHASE 2

1  
CX1-117

TERMINAL B CONTRACT EXIT LOCATION (LEVEL 3)  
SCALE: 1"=100'-0"

## LEGEND

- BARREL (DRUM)/ CHANNELIZING DEVICE
- ◻ SIGN
- || TYPE 3 BARRICADE
- ➔ DIRECTION OF TRAVEL
- ▬ WORK AREA
- ◻ FLAGGER
- ◻ FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLICK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TWEE FIRM REGISTRATION # 003

WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800

C.I.P. NO.

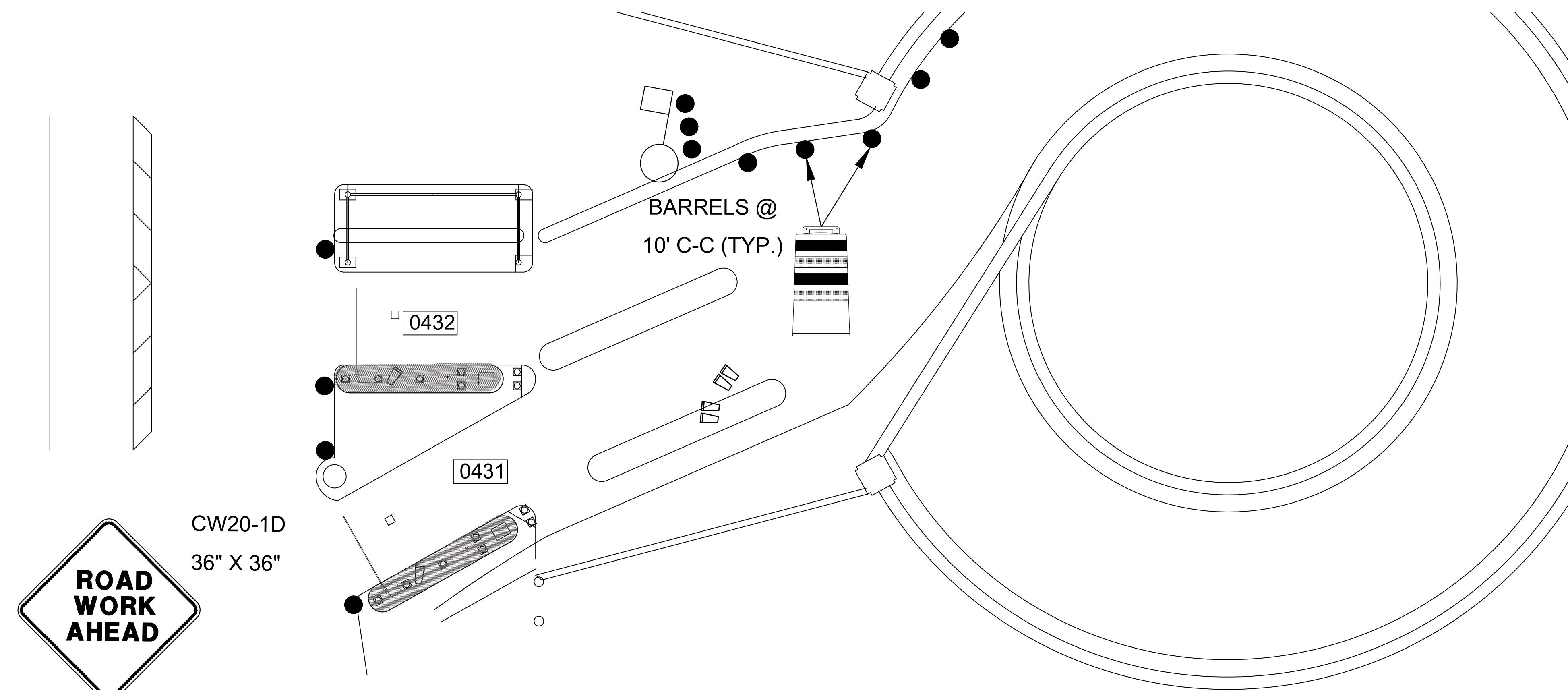
H.A.S. NO.

PN HKE-PARCS-2020-003

SHEET NO.

TCP-4





## LEGEND

BARREL (DRUM)/  
CHANNELIZING DEVICE

SIGN

### TYPE 3 BARRICADE

DIRECTION OF TRAVEL

WORK AREA

FLAGGER

FLAGGER STATION



**ROAD  
WORK  
AHEAD**

CW20-1D  
36" X 36"

### LEVEL 3 & 4

PLACE AT GROUND LEVEL ENTRANCE

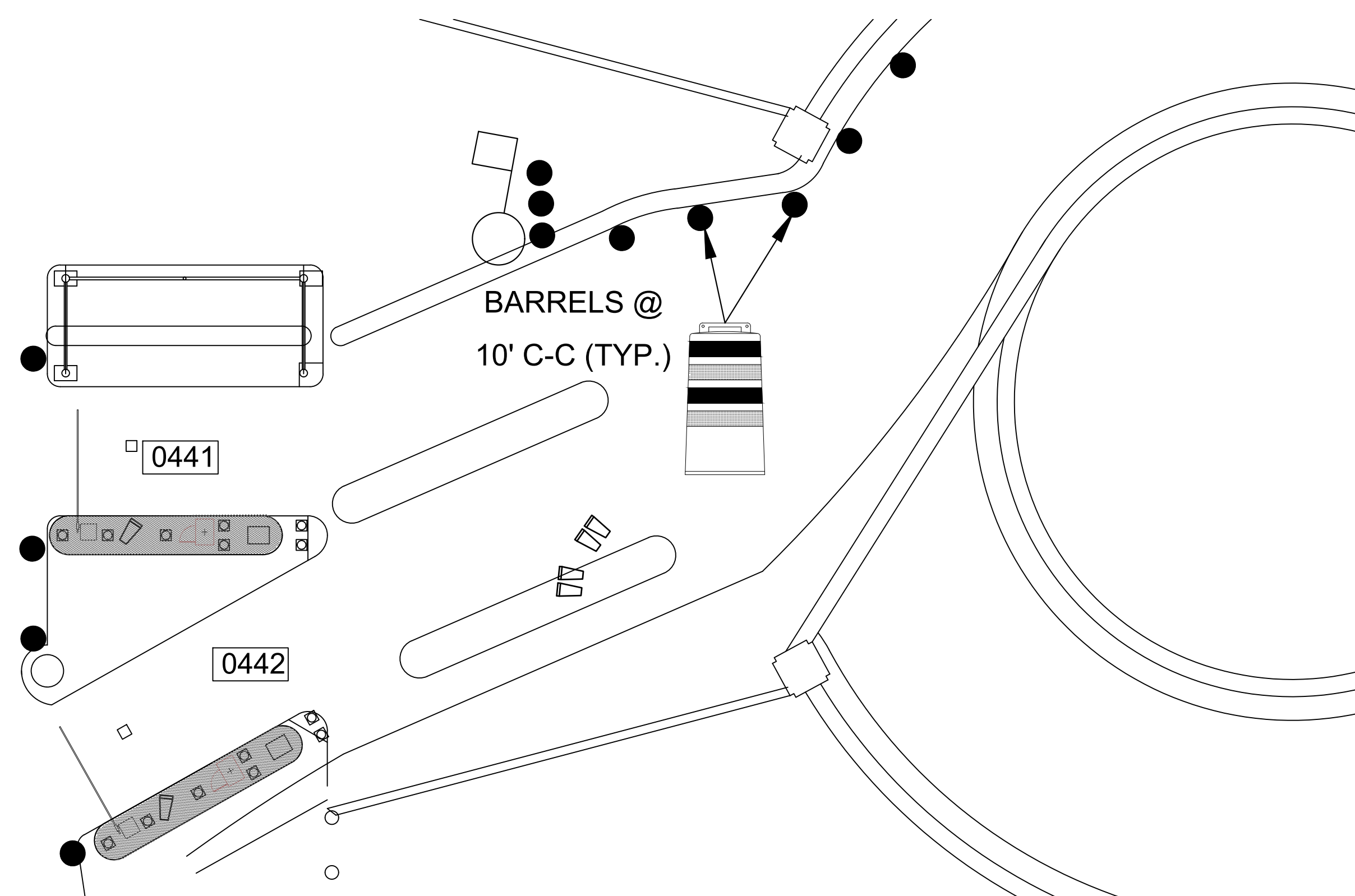
BARRELS @  
10' C-C (TYP.)

0432

0431

### TERMINAL B ENTRY LOCATION (LEVEL 4)

SCALE: 1"=100'-0"



BARRELS @  
10' C-C (TYP.)

☐ 0441

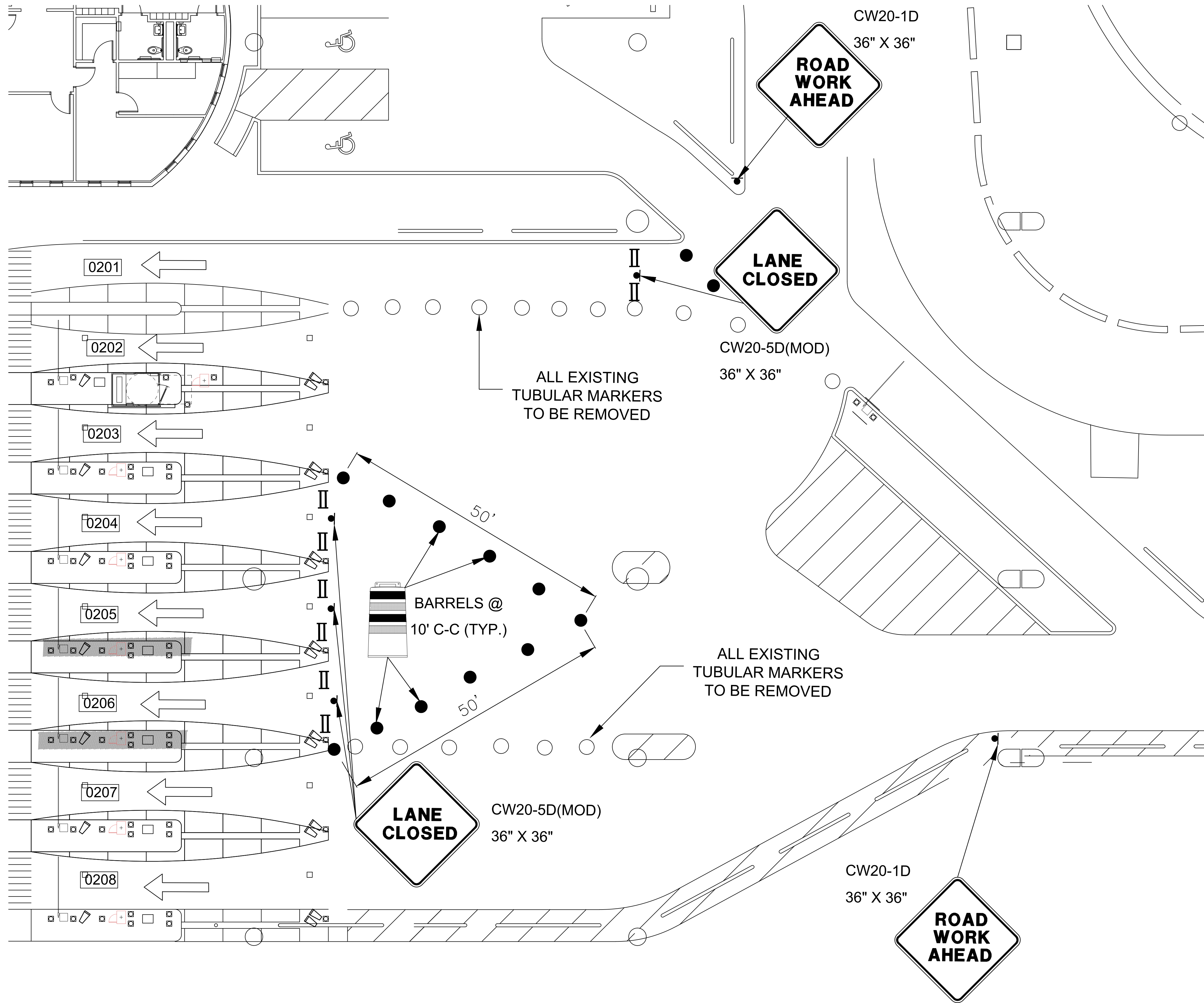
0442

### TERMINAL B ENTRY LOCATION (LEVEL 3)

SCALE: 1"=100'-0"

# PHASE 2





LEGEND

●

BARREL (DRUM)/  
CHANNELIZING DEVICE

●

SIGN

II

TYPE 3 BARRICADE

↑

DIRECTION OF TRAVEL

■

WORK AREA

○

FLAGGER

○

FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLICK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TYP: FPM REGISTRATION F-033

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REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR: CDR

DESIGNER: IMR

DRAWN BY: KHA

CHECKED BY: MI

SCALE: NTS

DATE: 02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

02/25/2020

APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800

C.I.P. NO.

H.A.S. NO.

PN HKE-PARCS-2020-003

SHEET NO.

TCP-6

1

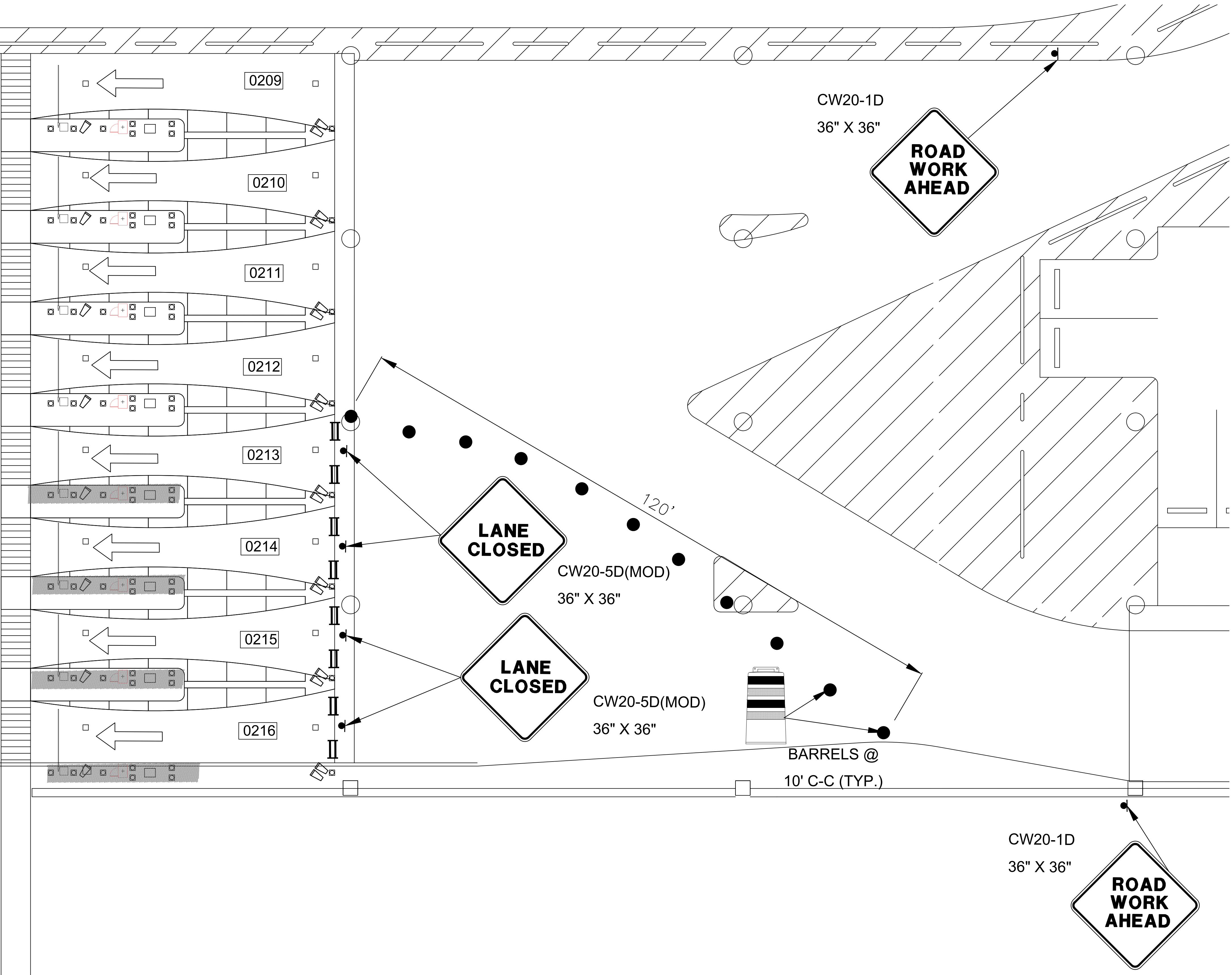
CX1-105

TERMINAL A/B NORTH EXIT LOCATION (GROUND LEVEL)

SCALE: 1"=100'-0"

C:\Users\lman.Rahim\appdata\local\temp\AcPublish\_17032\IAH TCP.dwg Feb 26, 2020 9:44am





LEGEND

●

BARREL (DRUM)/  
CHANNELIZING DEVICE

●

SIGN

II

TYPE 3 BARRICADE

↑

DIRECTION OF TRAVEL

■

WORK AREA

○

FLAGGER

○

FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLICK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TOLL FREE: 800-451-7229

WWW.KIMLEY-HORN.COM

REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR: CDR

DESIGNER: IMR

DRAWN BY: KHA

CHECKED BY: MI

SCALE: NTS

DATE: 02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

PROFESSIONAL ENGINEER

*P. Manu Isaac*

02/25/2020

APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800

C.I.P. NO.

H.A.S. NO.

PN HKE-PARCS-2020-003

SHEET NO.

TCP-7

1  
CX1-108

1

TERMINAL A/B SOUTH EXIT LOCATION (GROUND LEVEL)

SCALE: 1"=100'-0"

PHASE 2

C:\Users\lman.Rahim\appdata\local\temp\AcPublish\_17032\IAH TCP.dwg Feb 26, 2020 9:44am



LEGEND

BARREL (DRUM)/  
CHANNELIZING DEVICE

SIGN

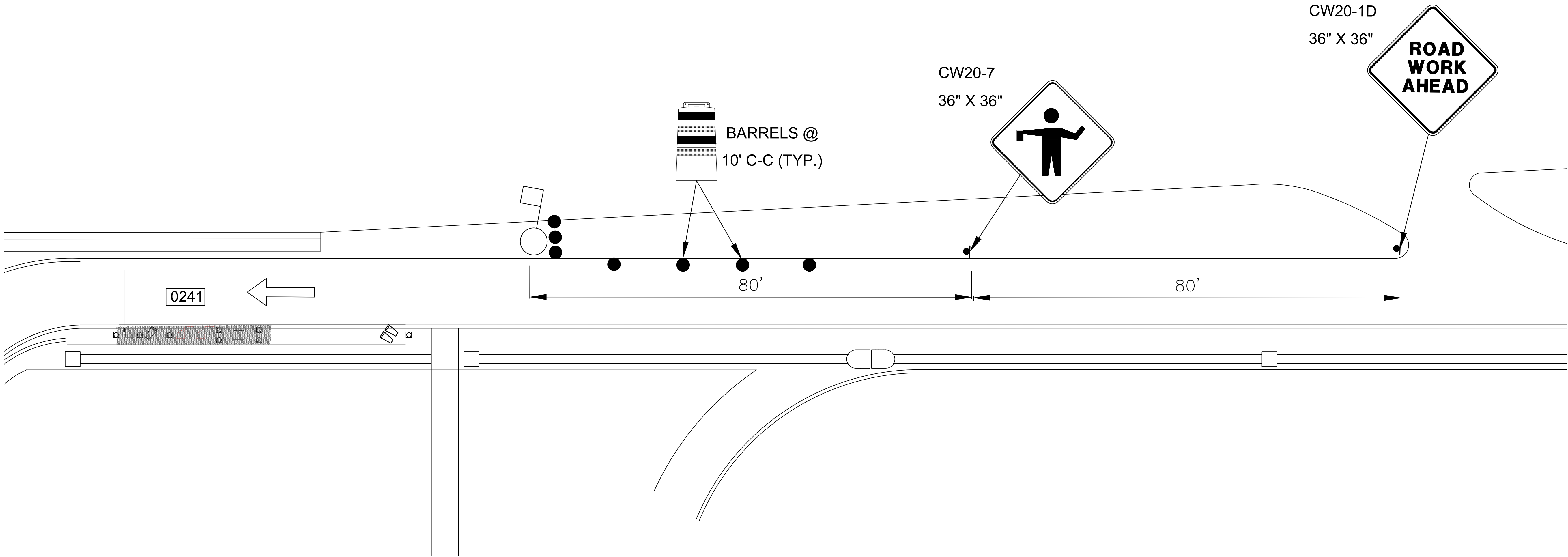
TYPE 3 BARRICADE

DIRECTION OF TRAVEL

WORK AREA

FLAGGER

FLAGGER STATION



1

CX1-109

TERMINAL A VALET ENTRY LOCATION (GROUND LEVEL)

SCALE: 1"=100'-0"

PHASE 2

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLICK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TWISTED FIRM REGISTRATION # 003

WWW.KIMLEY-HORN.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY:

DATE:

DIRECTOR

HOUSTON AIRPORT SYSTEM

PROJECT NO.

067810800

C.I.P. NO.

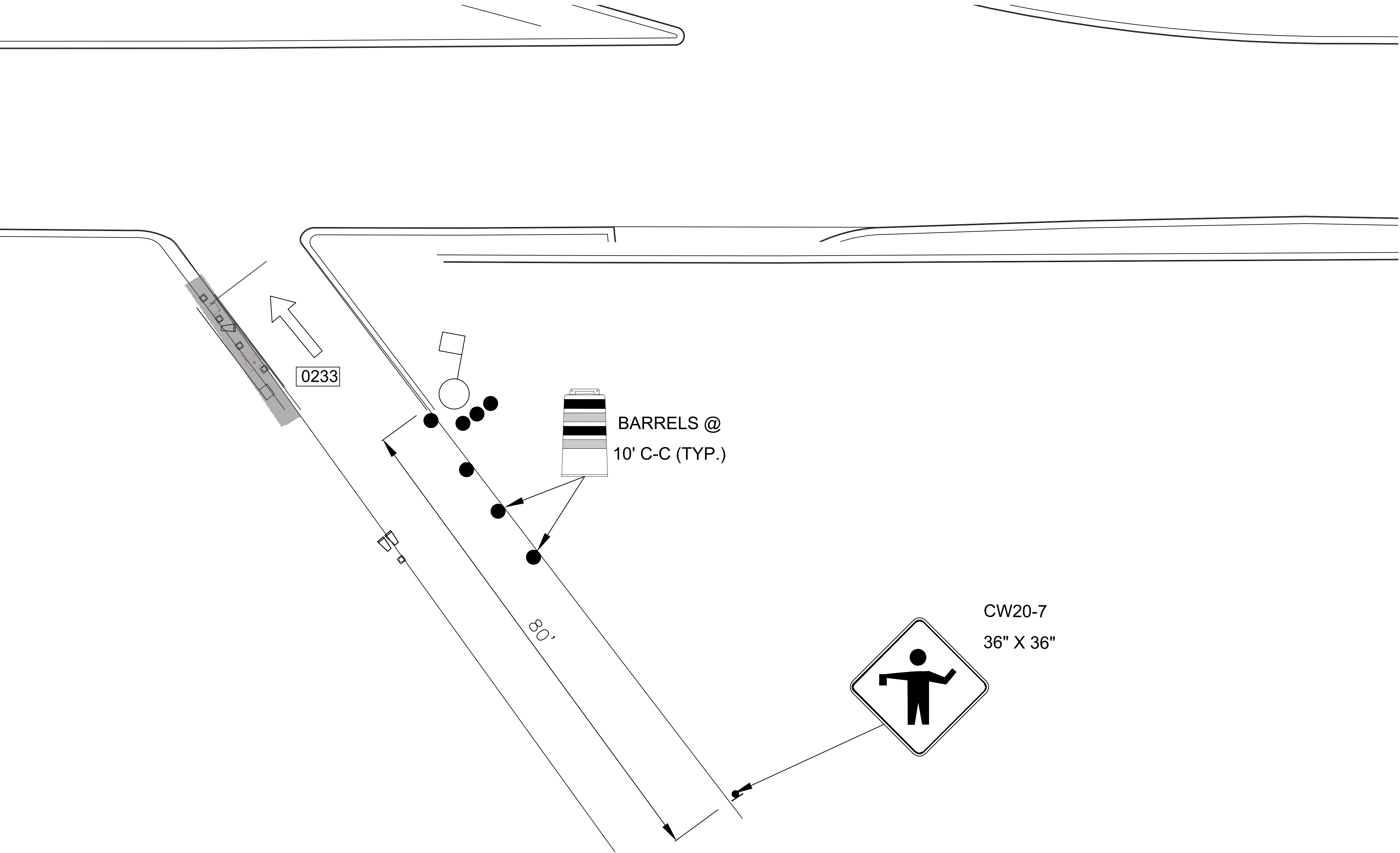
H.A.S. NO.

PN HKE-PARCS-2020-003

SHEET NO.

TCP-8





LEGEND

BARREL (DRUM)/  
CHANNELIZING DEVICE

SIGN

TYPE 3 BARRICADE

DIRECTION OF TRAVEL

WORK AREA

FLAGGER

FLAGGER STATION

1

CX1-111

TERMINAL A VALET EXIT LOCATION (GROUND LEVEL)

SCALE: 1"=100'-0"

PHASE 2



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

Kimley»Horn

Kimley-Horn and Associates, Inc.

1400 Woodloch Forest Drive, Suite 225

The Woodlands, TX 77380

Phone: 281-475-2816

Toll Free: 800-441-4529

www.kimley-horn.com

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

PROFESSIONAL ENGINEER



02/25/2020

APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800

C.I.P. NO.

H.A.S. NO.

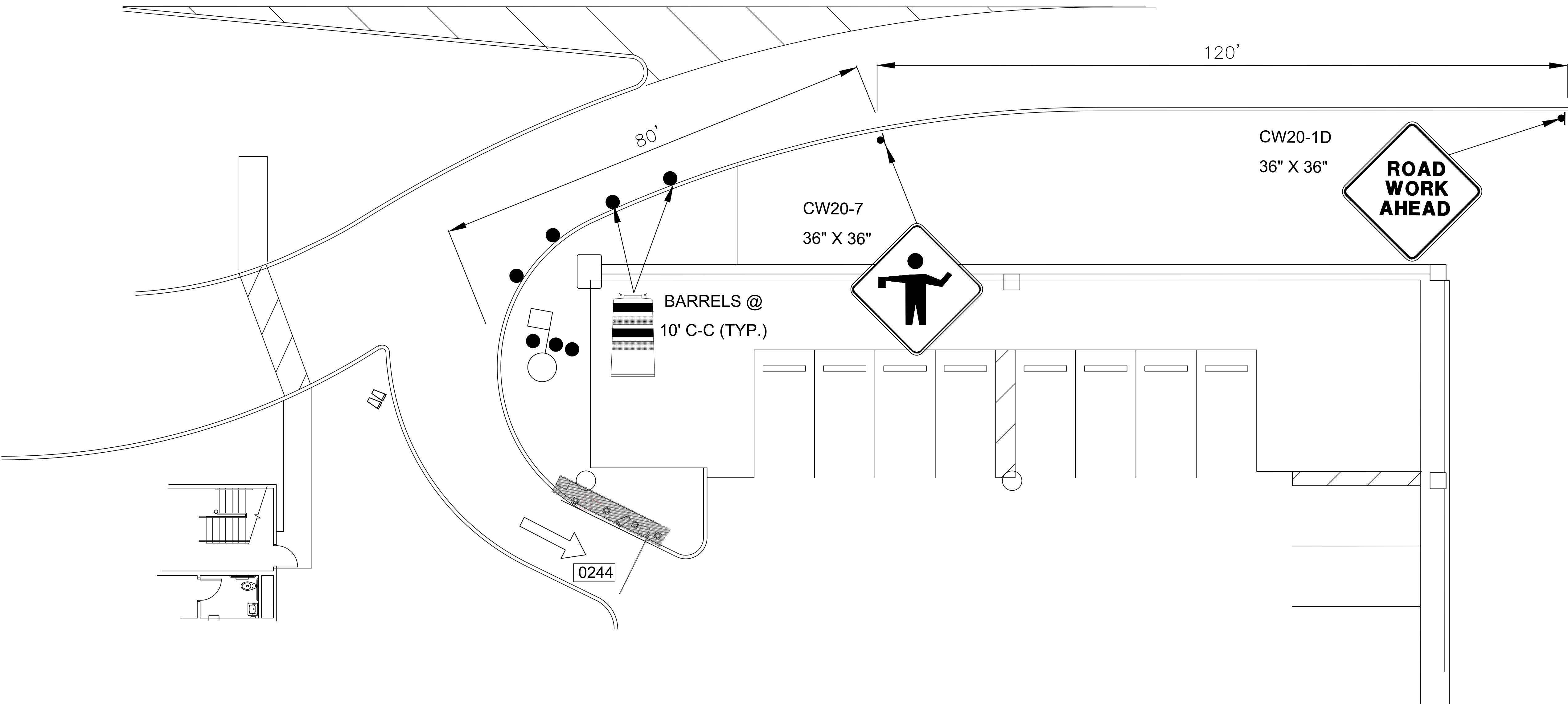
PN HKE-PARCS-2020-003

SHEET NO.

TCP-9

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1  
CX1-112

TERMINAL B VALET ENTRY LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"

PHASE 2

## LEGEND

- BARREL (DRUM)/  
CHANNELIZING DEVICE
- SIGN
- II TYPE 3 BARRICADE
- ← DIRECTION OF TRAVEL
- WORK AREA
- FLAGGER
- FLAGGER STATION

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TDD: 281-475-2816  
WWW.KIMLEY-HORN.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY: DATE:

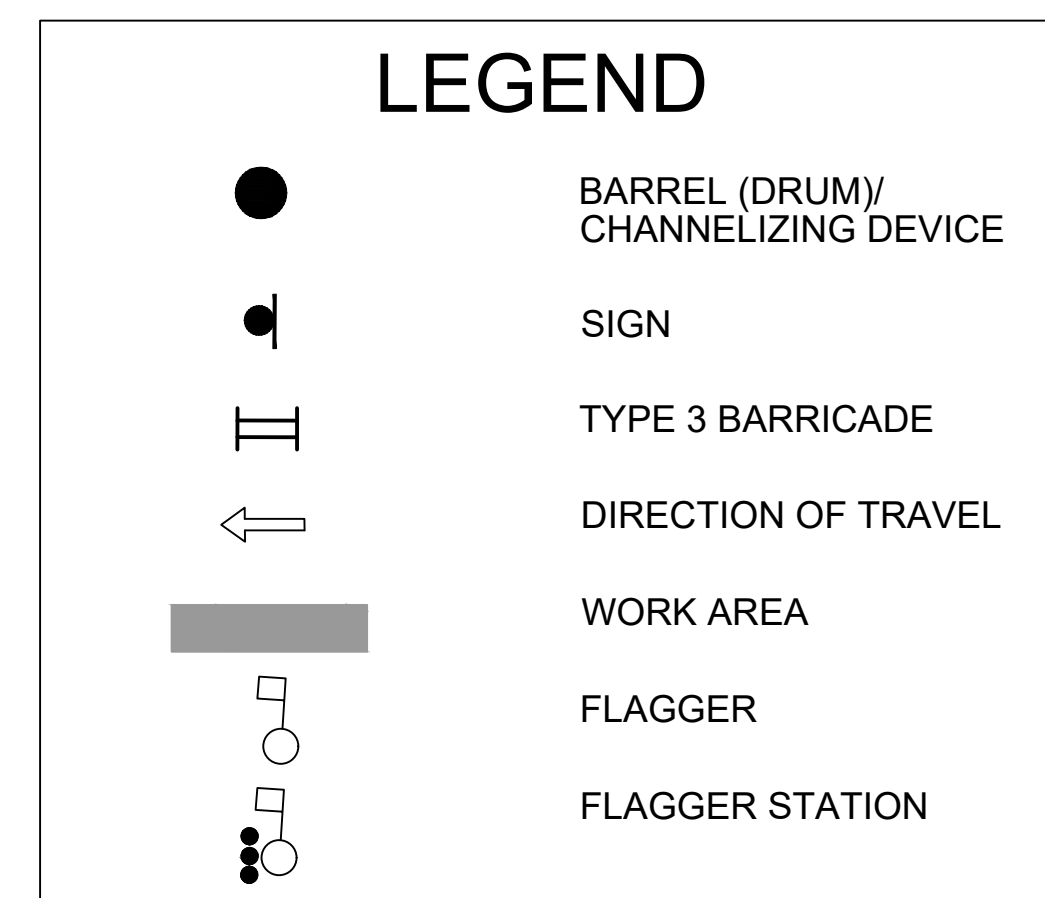
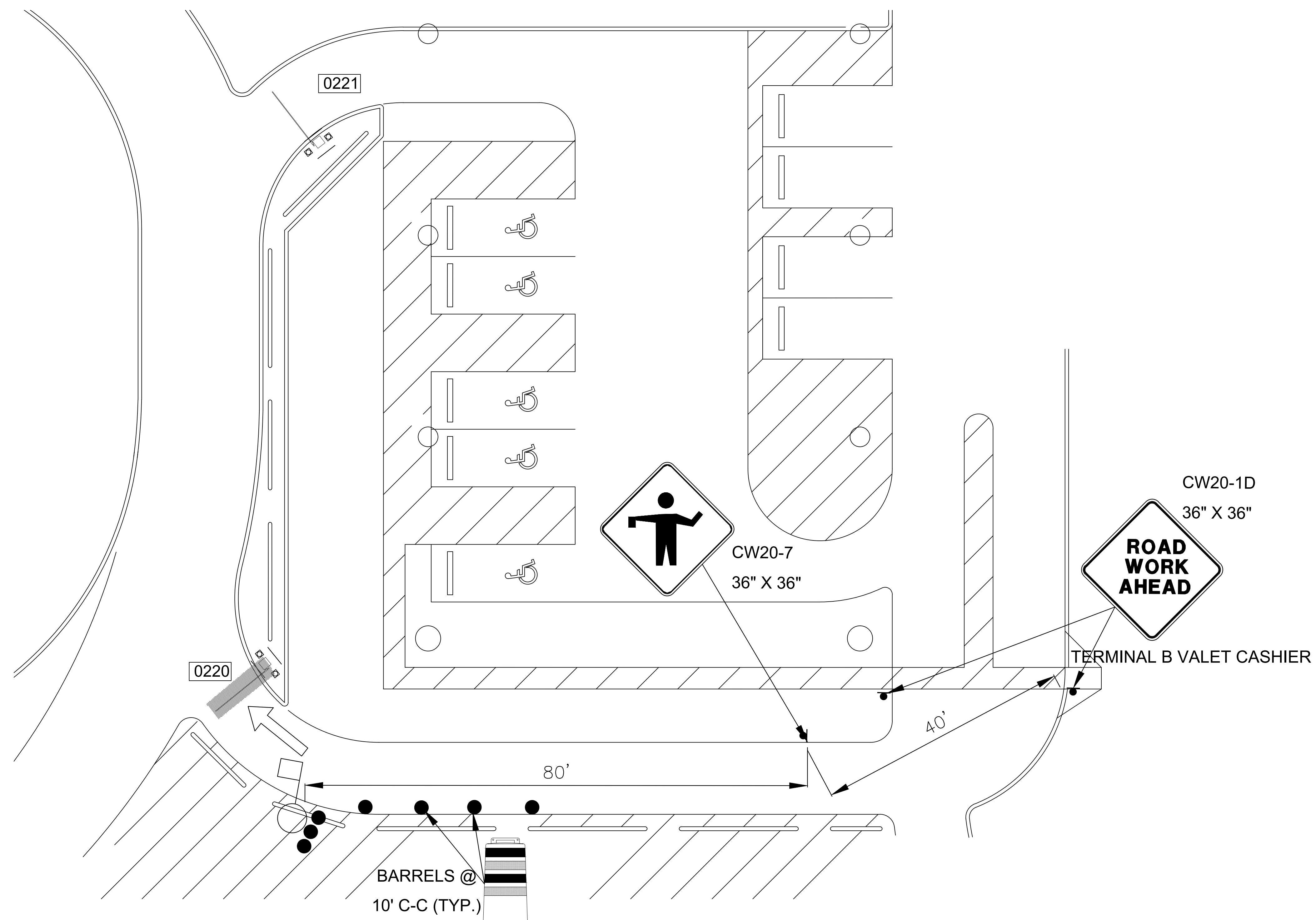
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

TCP-10

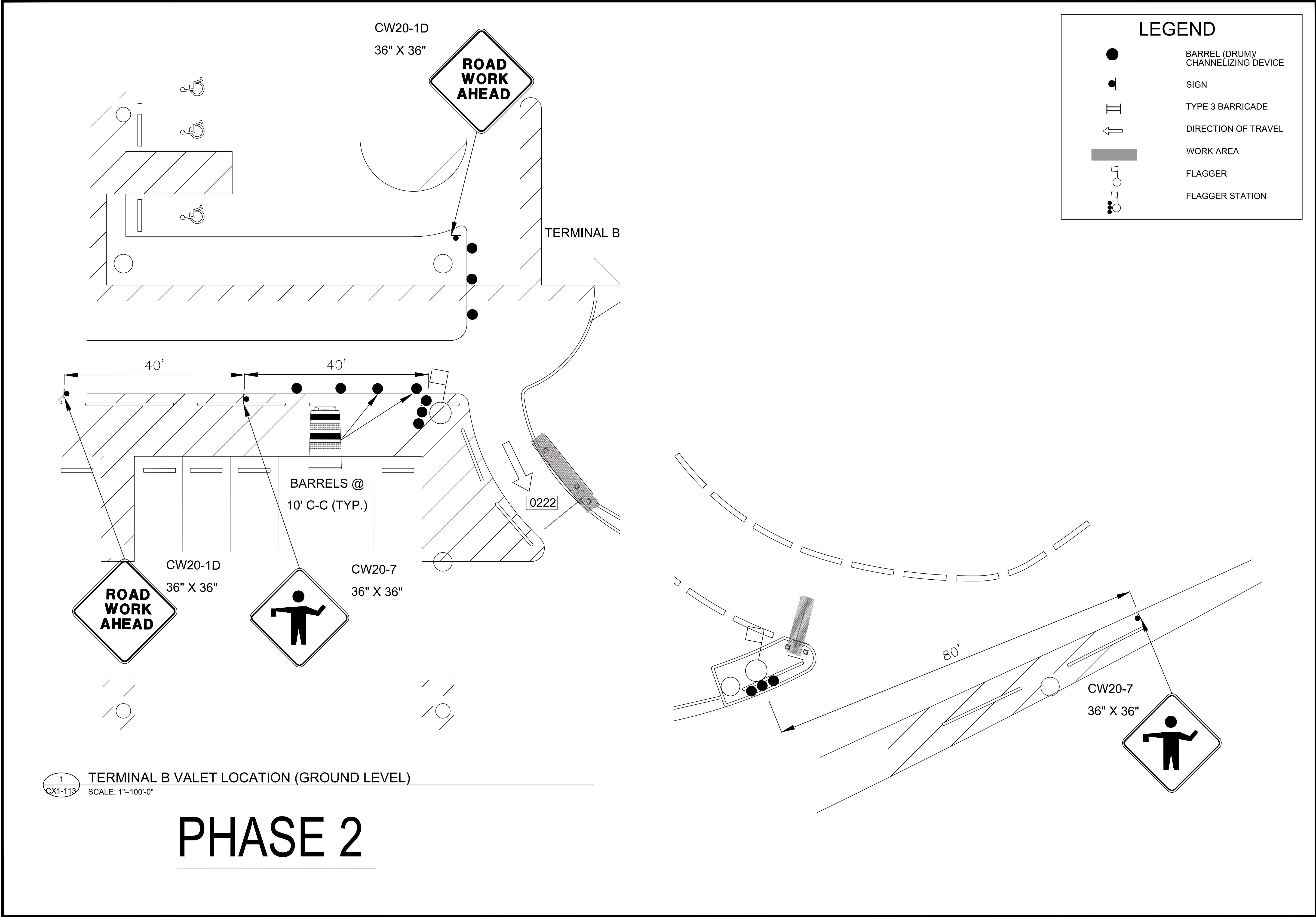















HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**

KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TOLL FREE: 800-441-4040  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

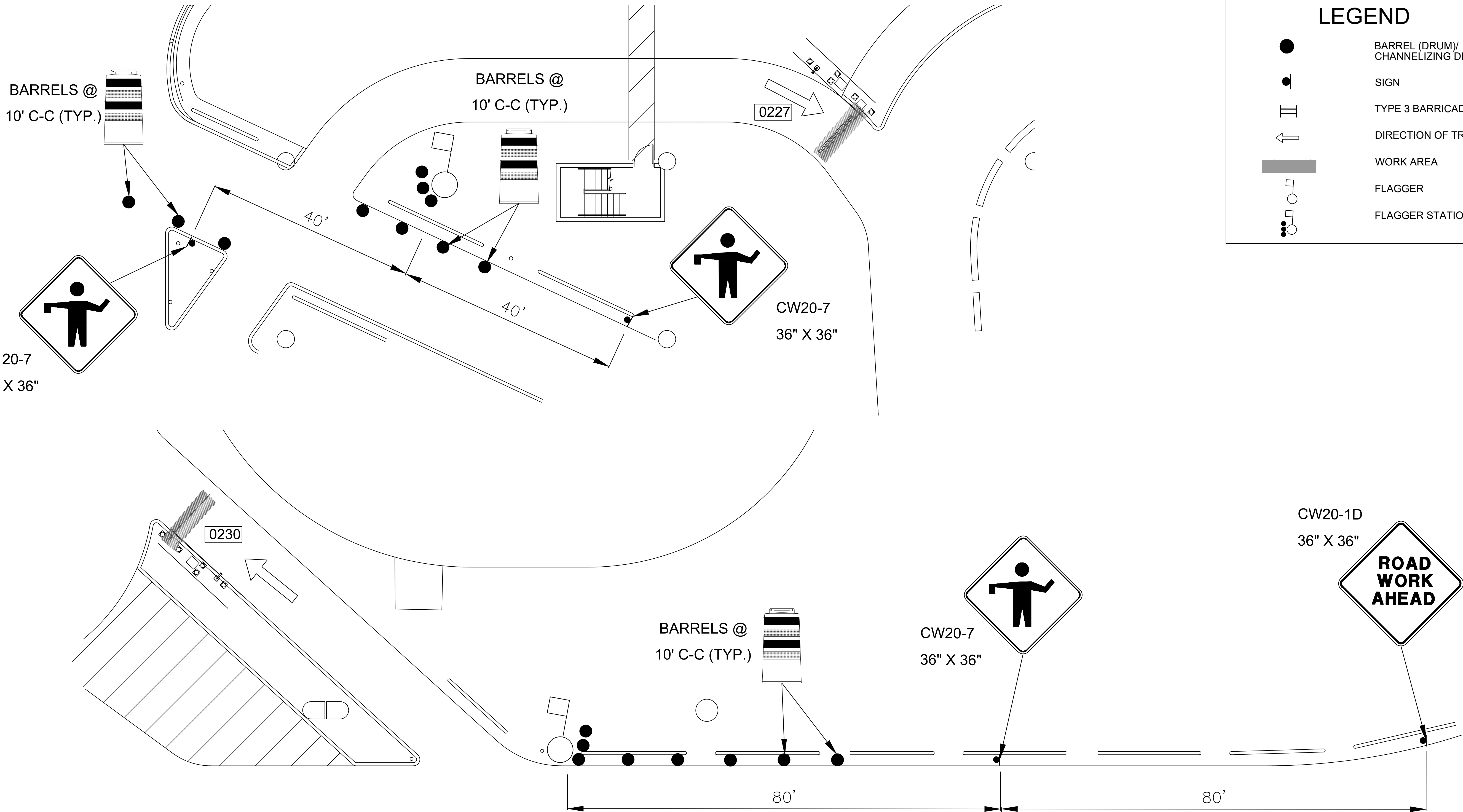
PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. 067810800	
C.I.P. NO.	
H.A.S. NO.	
PN HKE-PARCS-2020-003	
SHEET NO.	

TCP-13





LEGEND

BARREL (DRUM)/  
CHANNELIZING DEVICE

SIGN

TYPE 3 BARRICADE

DIRECTION OF TRAVEL

WORK AREA

FLAGGER

FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL AIRPORT/HOUSTON TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLICK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TW: 281-475-2816

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REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL SYSTEMS (PARCS) GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH) TRAFFIC CONTROL PLAN

PROJECT MGR: CDR

DESIGNER: IMR

DRAWN BY: KHA

CHECKED BY: MI

SCALE: NTS

DATE: 02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

PROFESSIONAL ENGINEER

*P. Manu Isaac*

02/25/2020

APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800

C.I.P. NO.

H.A.S. NO.

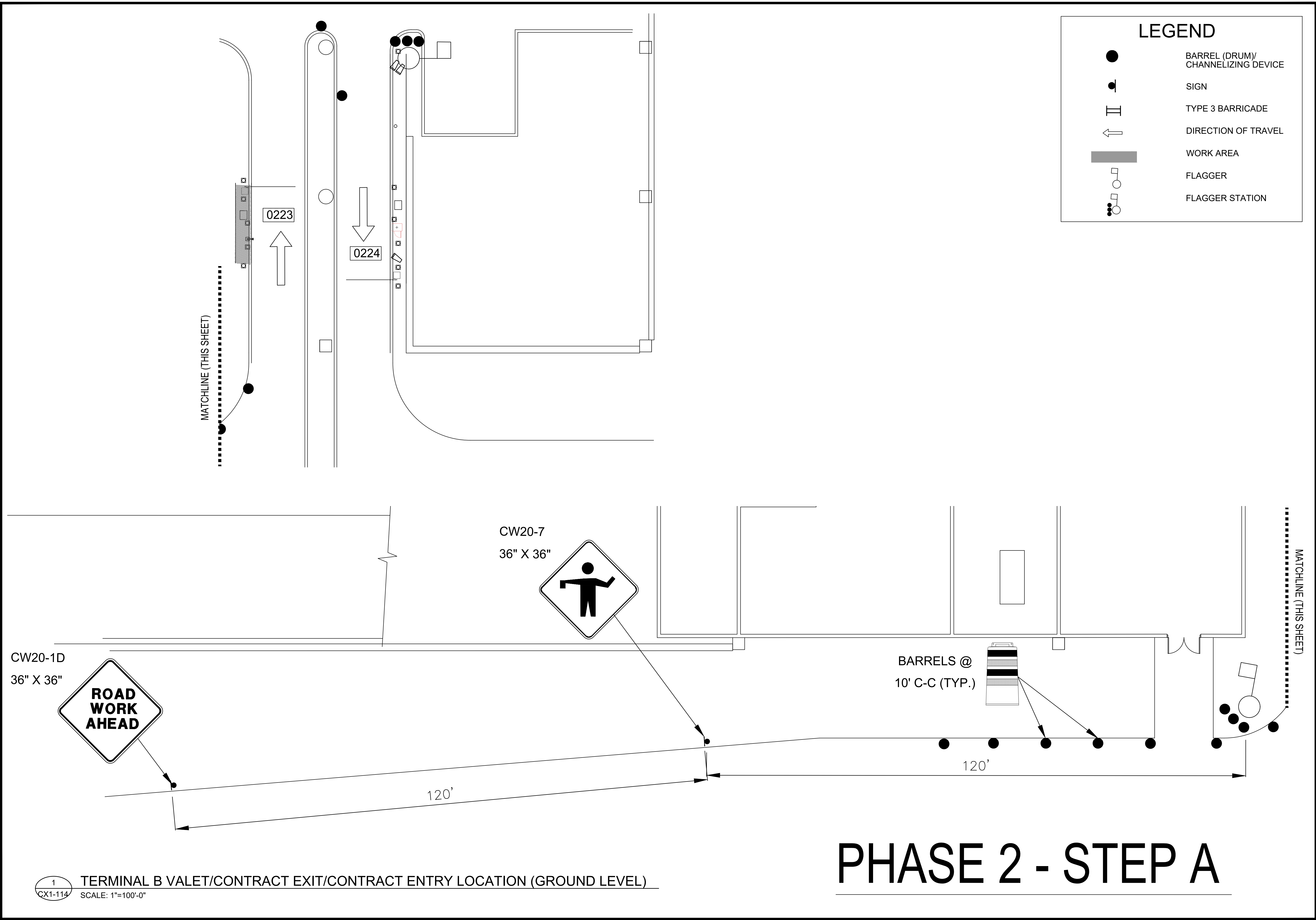
PN HKE-PARCS-2020-003

SHEET NO.

TCP-14

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HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**

KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TDD: 281-475-2816  
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REVISIONS			
NO.	DESCRIPTION	DATE	BY

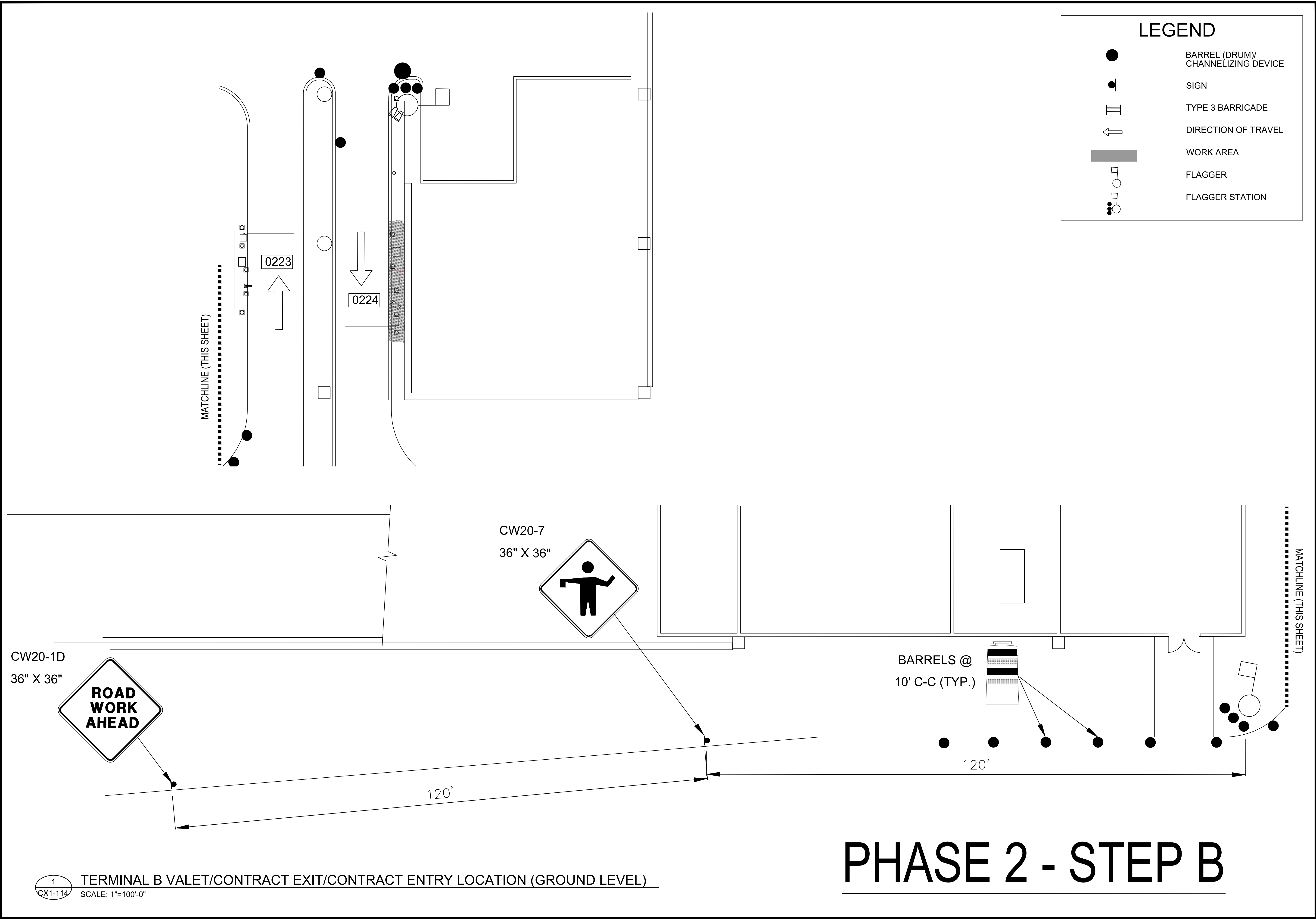
PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020

APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. 067810800	
C.I.P. NO.	
H.A.S. NO.	
PN HKE-PARCS-2020-003	
SHEET NO.	

TCP-15





LEGEND

●

●

BARREL (DRUM)/  
CHANNELIZING DEVICE

●

●

SIGN

II

II

TYPE 3 BARRICADE

←

←

DIRECTION OF TRAVEL

WORK AREA

□

○

FLAGGER

●

●

○

FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLICK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TDD: 281-475-2816

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REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL

SYSTEMS (PARCS) GEORGE BUSH

INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR:

CDR

DESIGNER:

IMR

DRAWN BY:

KHA

CHECKED BY:

MI

SCALE:

NTS

DATE:

02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

PROFESSIONAL ENGINEER

*P. Manu Isaac*

02/25/2020

APPROVED BY:

DATE:

DIRECTOR

HOUSTON AIRPORT SYSTEM

PROJECT NO.

067810800

C.I.P. NO.

H.A.S. NO.

PN HKE-PARCS-2020-003

SHEET NO.

TCP-16

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REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



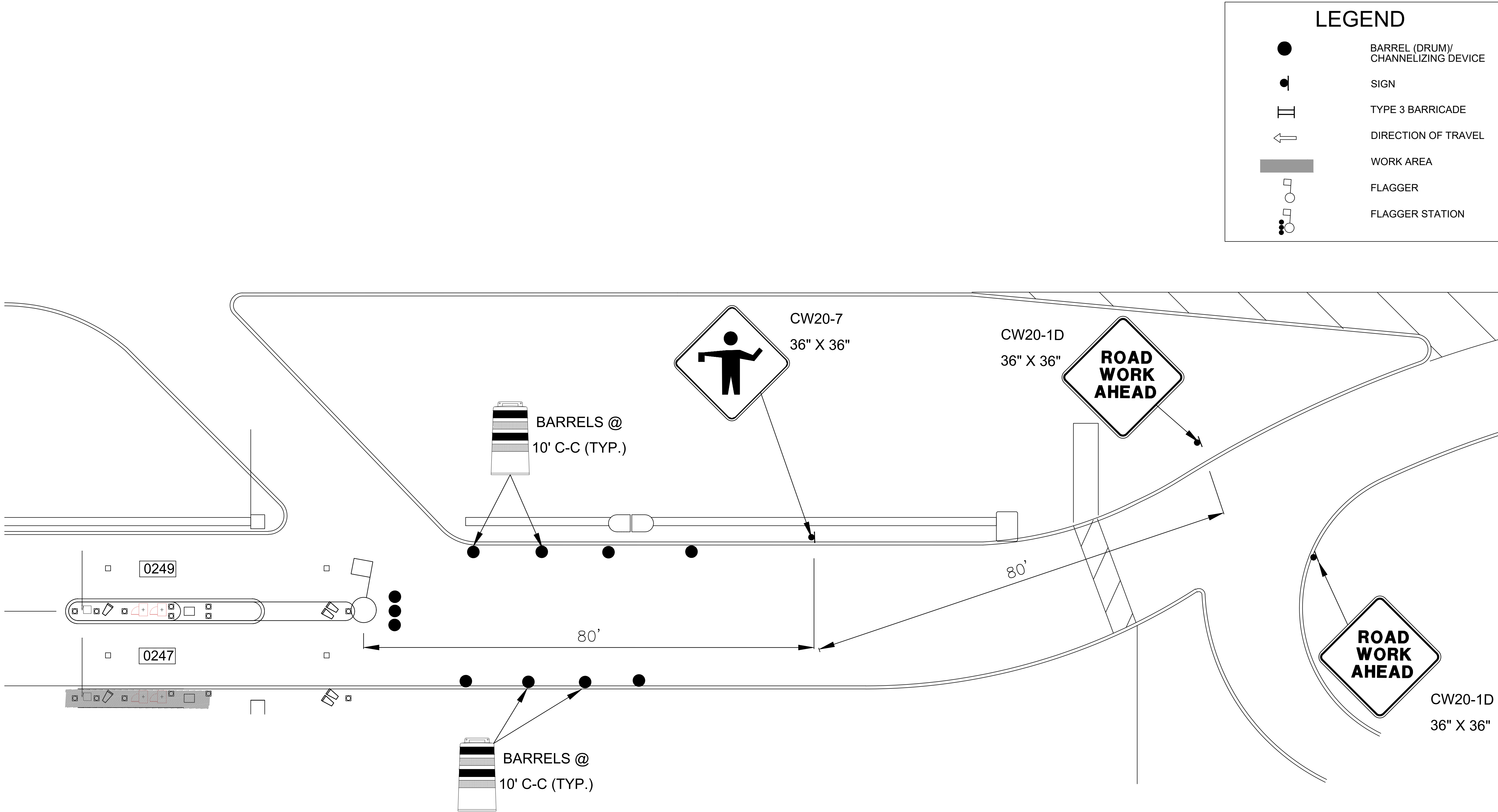
APPROVED BY:                      DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

TCP-17

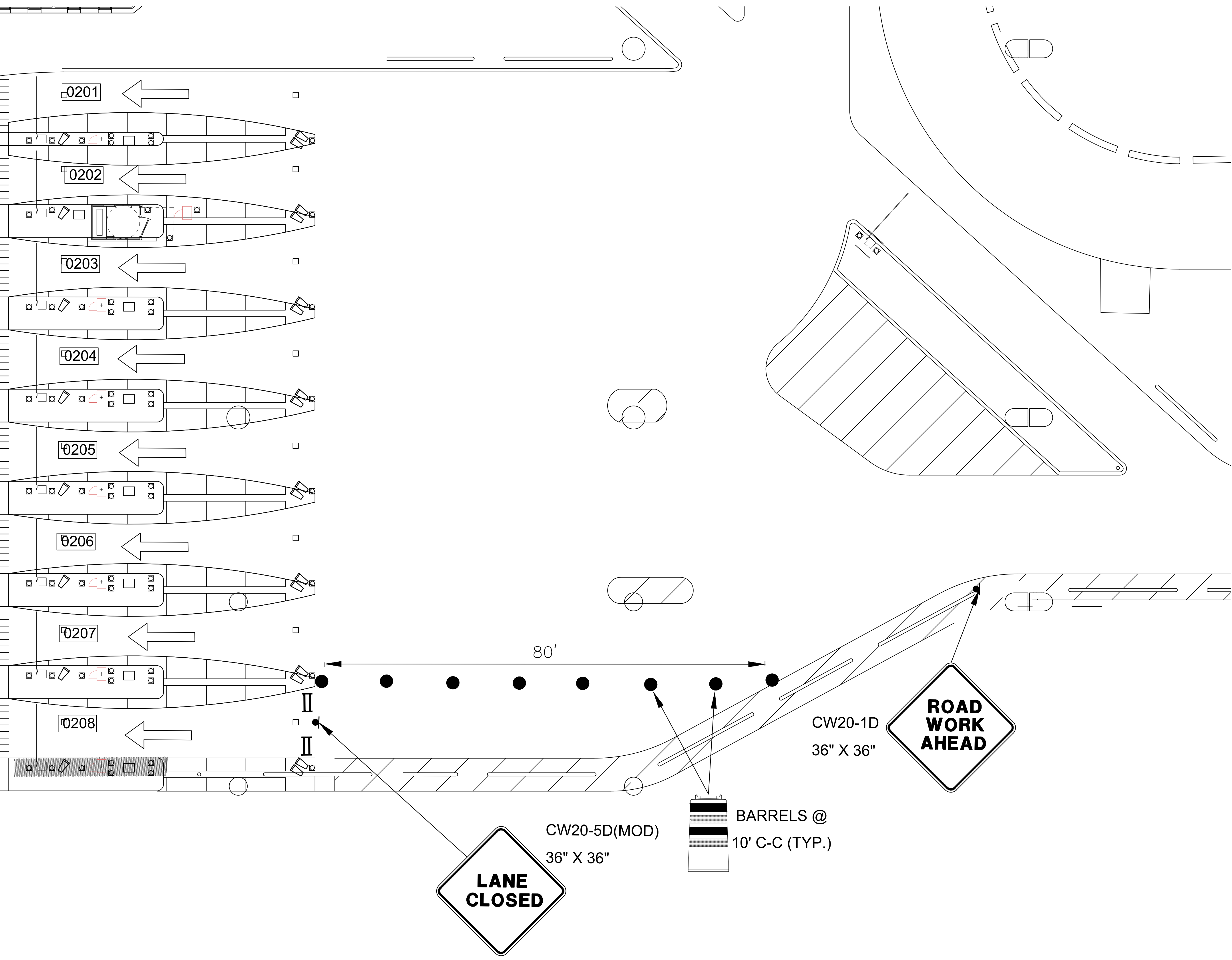


1  
CX1-104

1  
TERMINAL A/B ENTRY LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"

PHASE 3





LEGEND

●

●

●

II

↑

■

□

○

●

BARREL (DRUM)/  
CHANNELIZING DEVICE

SIGN

TYPE 3 BARRICADE

DIRECTION OF TRAVEL

WORK AREA

FLAGGER

FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLICK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TYPED FOR REGISTRATION: 5-033

WWW.KIMLEY-HORN.COM

REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR: CDR

DESIGNER: IMR

DRAWN BY: KHA

CHECKED BY: MI

SCALE: NTS

DATE: 02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

02/25/2020

APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800

C.I.P. NO.

H.A.S. NO.

PN HKE-PARCS-2020-003

SHEET NO.

TCP-18

1  
CX1-107

1

TERMINAL A/B NORTH EXIT LOCATION (GROUND LEVEL)

SCALE: 1"=100'-0"

PHASE 3



LEGEND

●

BARREL (DRUM)/  
CHANNELIZING DEVICE

●

SIGN

II

TYPE 3 BARRICADE

↑

DIRECTION OF TRAVEL

■

WORK AREA

○

FLAGGER

●

FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLICK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TW: 281-475-2817

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REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL

SYSTEMS (PARCS) GEORGE BUSH

INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

02/25/2020

APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800

C.I.P. NO.

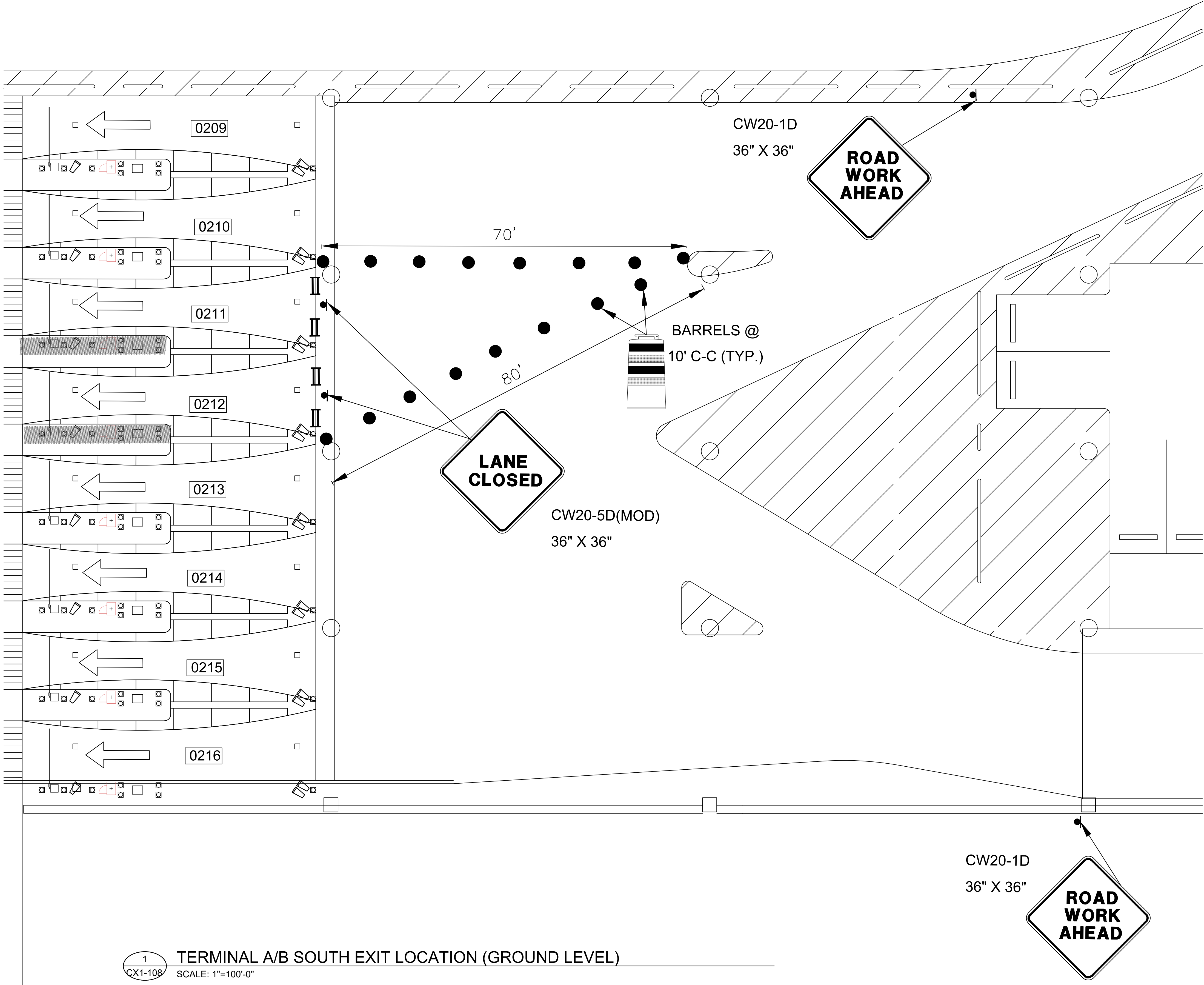
H.A.S. NO.

PN HKE-PARCS-2020-003

SHEET NO.

PHASE 3

TCP-19



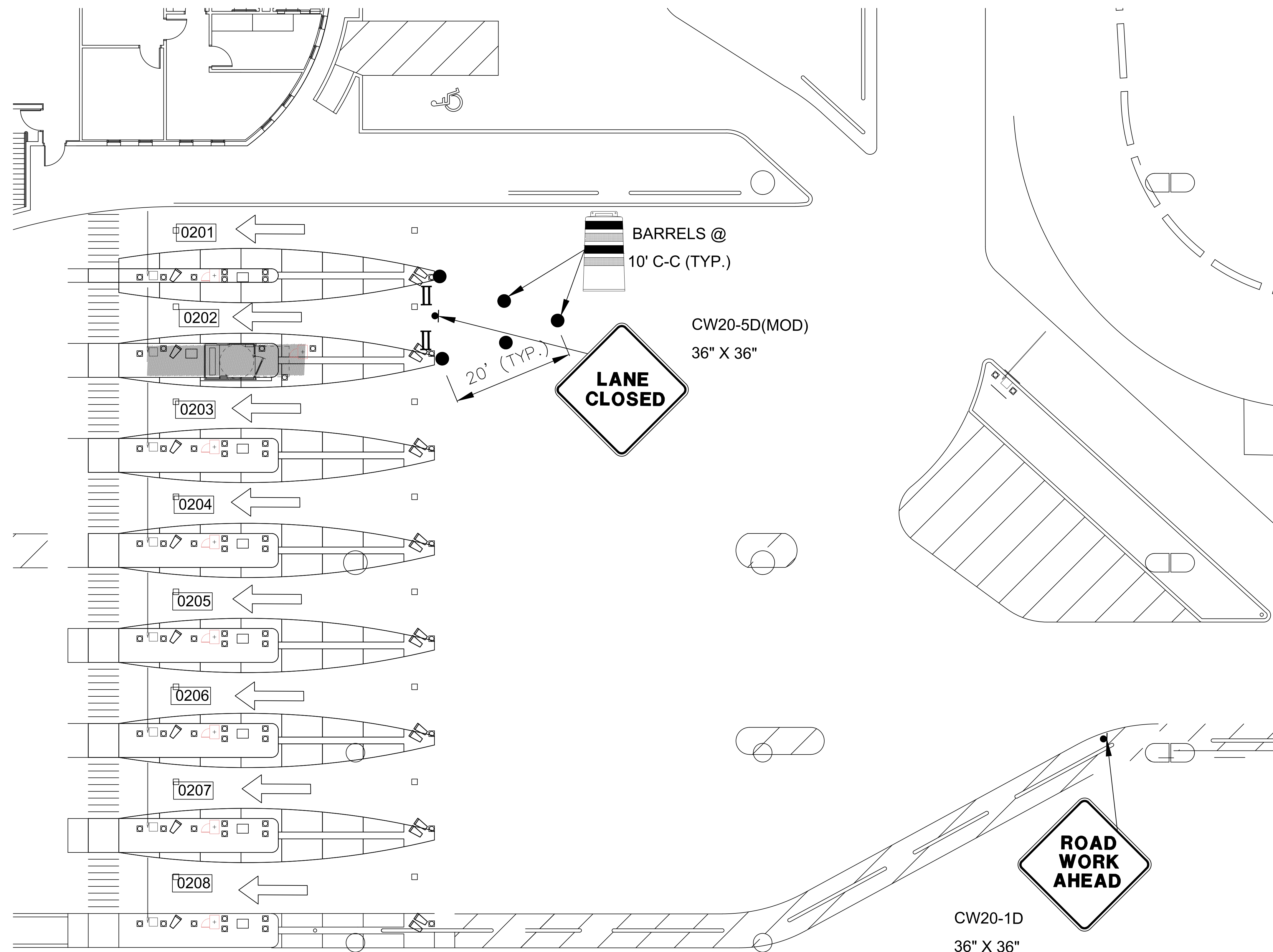
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CX1-108

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




TERMINAL A/B SOUTH EXIT LOCATION (GROUND LEVEL)

SCALE: 1"=100'-0"





## LEGEND

- |   |                                       |
|---|---------------------------------------|
|  | BARREL (DRUM)/<br>CHANNELIZING DEVICE |
|  | SIGN                                  |
|  | TYPE 3 BARRICADE                      |
|  | DIRECTION OF TRAVEL                   |
|  | WORK AREA                             |
|  | FLAGGER                               |
|  | FLAGGER STATION                       |

REVISIONS			
NO.	DESCRIPTION	DATE	BY

**PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)**

---

## **TRAFFIC CONTROL PLAN**

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

DIRECTOR  
HOUSTON AIRPORT SYSTEM

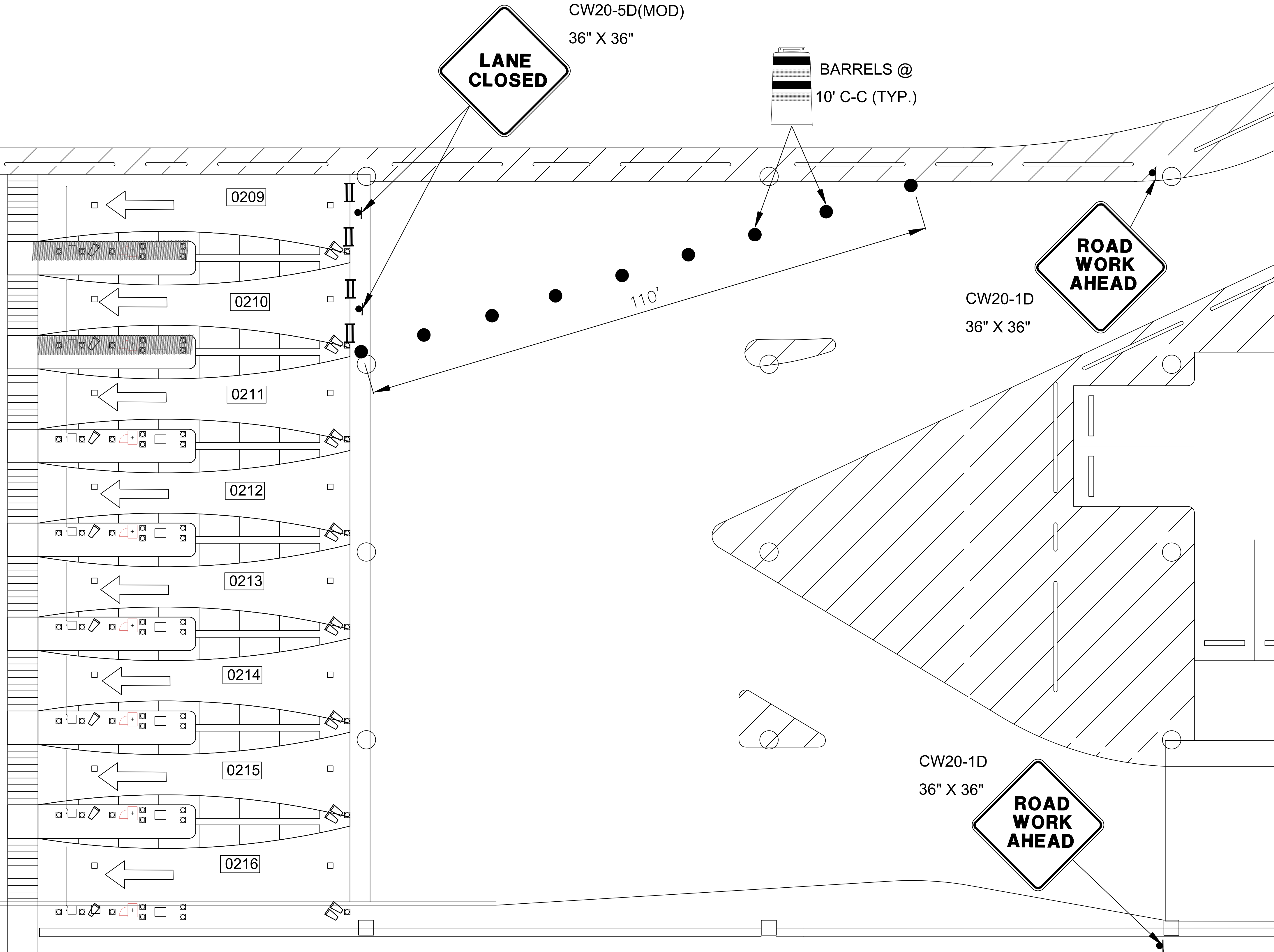
PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

TCP-20

# PHASE 4





LEGEND

●

BARREL (DRUM)/  
CHANNELIZING DEVICE

●

SIGN

II

TYPE 3 BARRICADE

↑

DIRECTION OF TRAVEL

■

WORK AREA

○

FLAGGER

●

FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

Kimley»Horn

Kimley-Horn and Associates, Inc.

1400 Woodloch Forest Drive, Suite 225

The Woodlands, TX 77380

Phone: 281-475-2816

Toll Free: 800-368-6868

www.kimley-horn.com

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

LICENSED PROFESSIONAL ENGINEER

02/25/2020

APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800

C.I.P. NO.

H.A.S. NO.

PN HKE-PARCS-2020-003

SHEET NO.

TCP-21

PHASE 4

1  
CX1-108

TERMINAL A/B SOUTH EXIT LOCATION (GROUND LEVEL)

SCALE: 1"=100'-0"







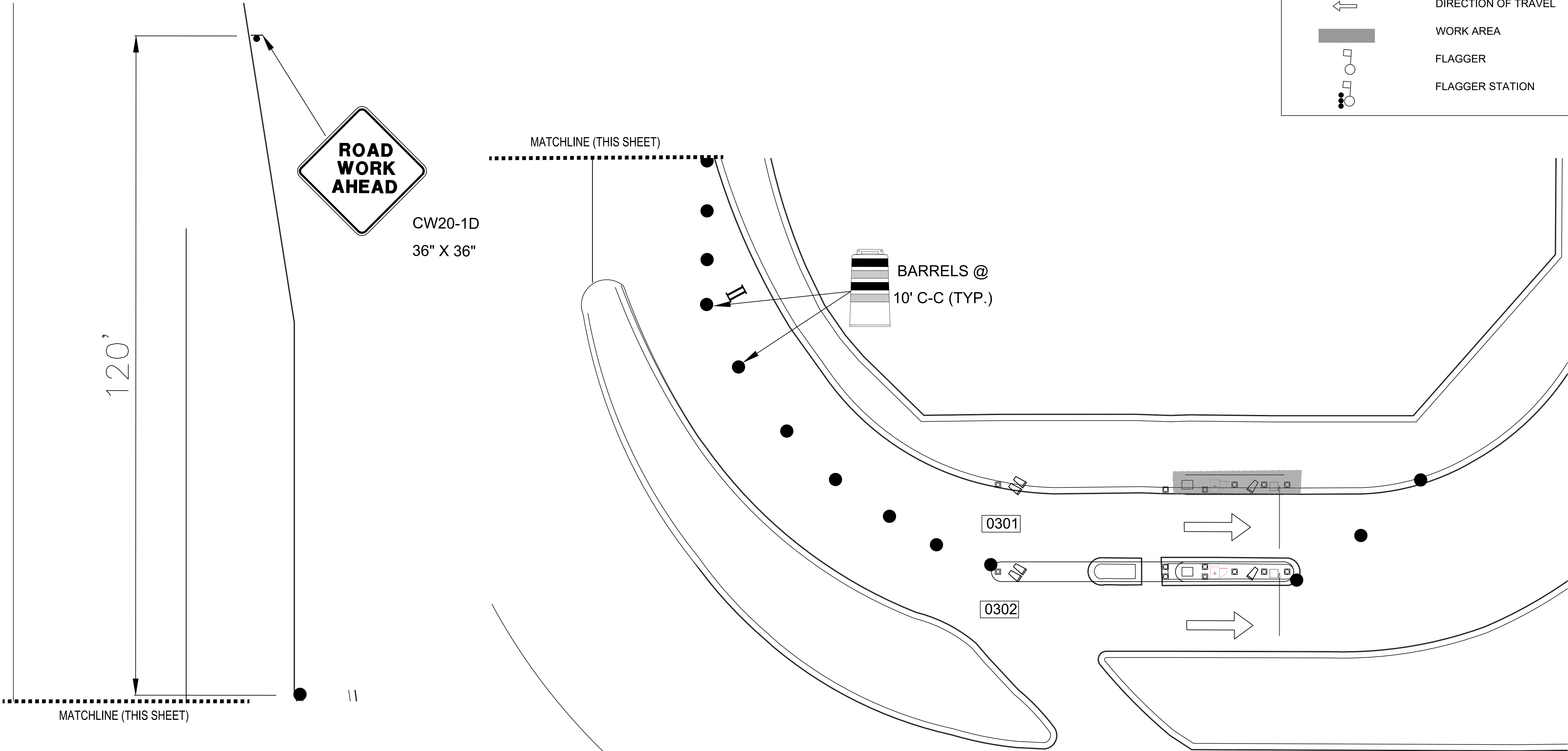
PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	067810800
C.I.P. NO.	
H.A.S. NO.	PN HKE-PARCS-2020-003
SHEET NO.	

LEGEND

- BARREL (DRUM)/ CHANNELIZING DEVICE
- SIGN
- II TYPE 3 BARRICADE
- ↩ DIRECTION OF TRAVEL
- WORK AREA
- FLAGGER
- FLAGGER STATION



PHASE 5 STEP B

1  
CX1-101  
TERMINAL A CONTRACT ENTRY LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"





LEVEL 3

CW20-1D  
36" X 36"

PLACE AT GROUND LEVEL ENTRANCE

BARRELS @  
10' C-C (TYP.)

BARRELS @  
10' C-C (TYP.)

0332

0333

1  
CX1-102

TERMINAL A CONTRACT ENTRY LOCATION (LEVEL 3)  
SCALE: 1"=100'-0"

# PHASE 5 STEP A

LEGEND

BARREL (DRUM)/  
CHANNELIZING DEVICE

SIGN

TYPE 3 BARRICADE

DIRECTION OF TRAVEL

WORK AREA

FLAGGER

FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TDD: 281-475-2816  
WWW.KIMLEY-HORN.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.

TCP-24



LEVEL 3

CW20-1D  
36" X 36"

PLACE AT GROUND LEVEL ENTRANCE

BARRELS @  
10' C-C (TYP.)

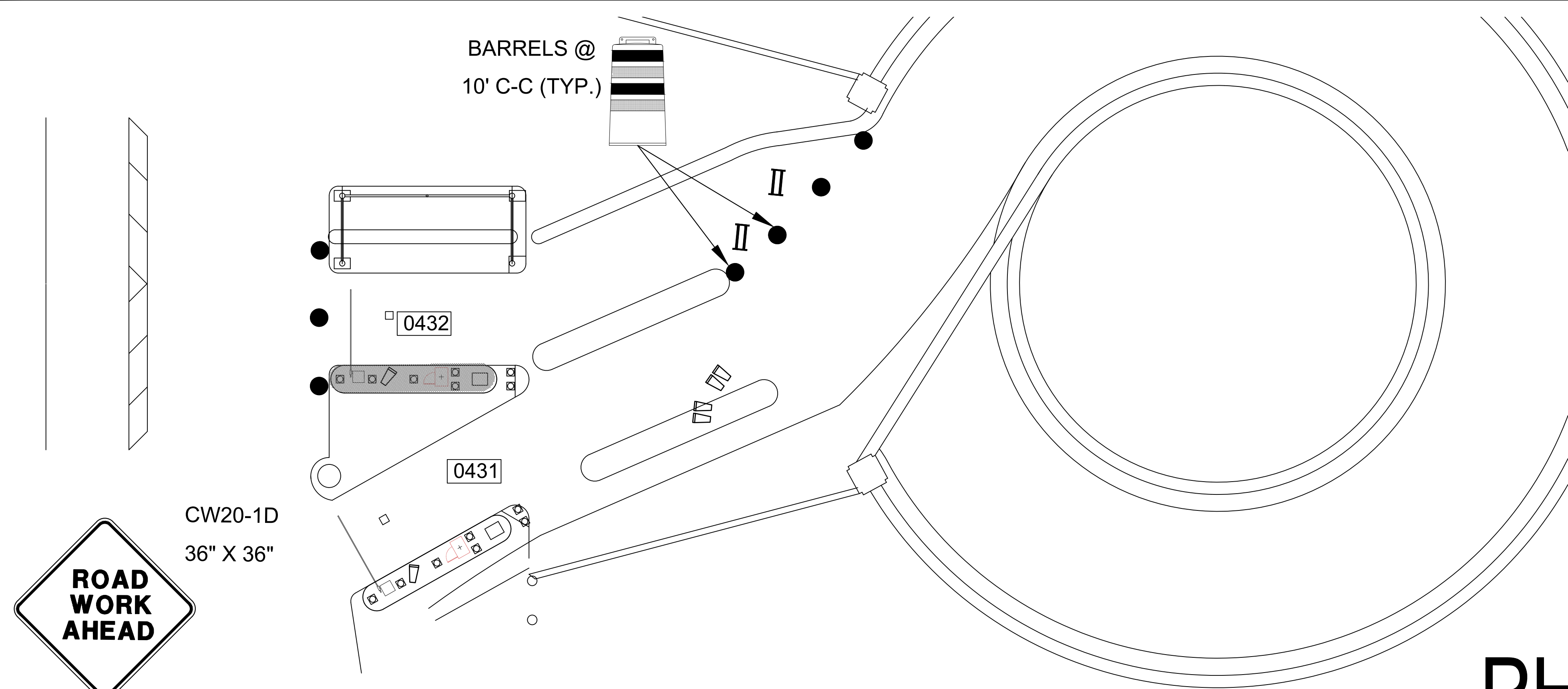
0332

0333

1  
CX1-103

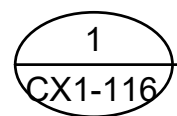
TERMINAL A CONTRACT EXIT LOCATION (LEVEL 3)  
SCALE: 1"=100'-0"





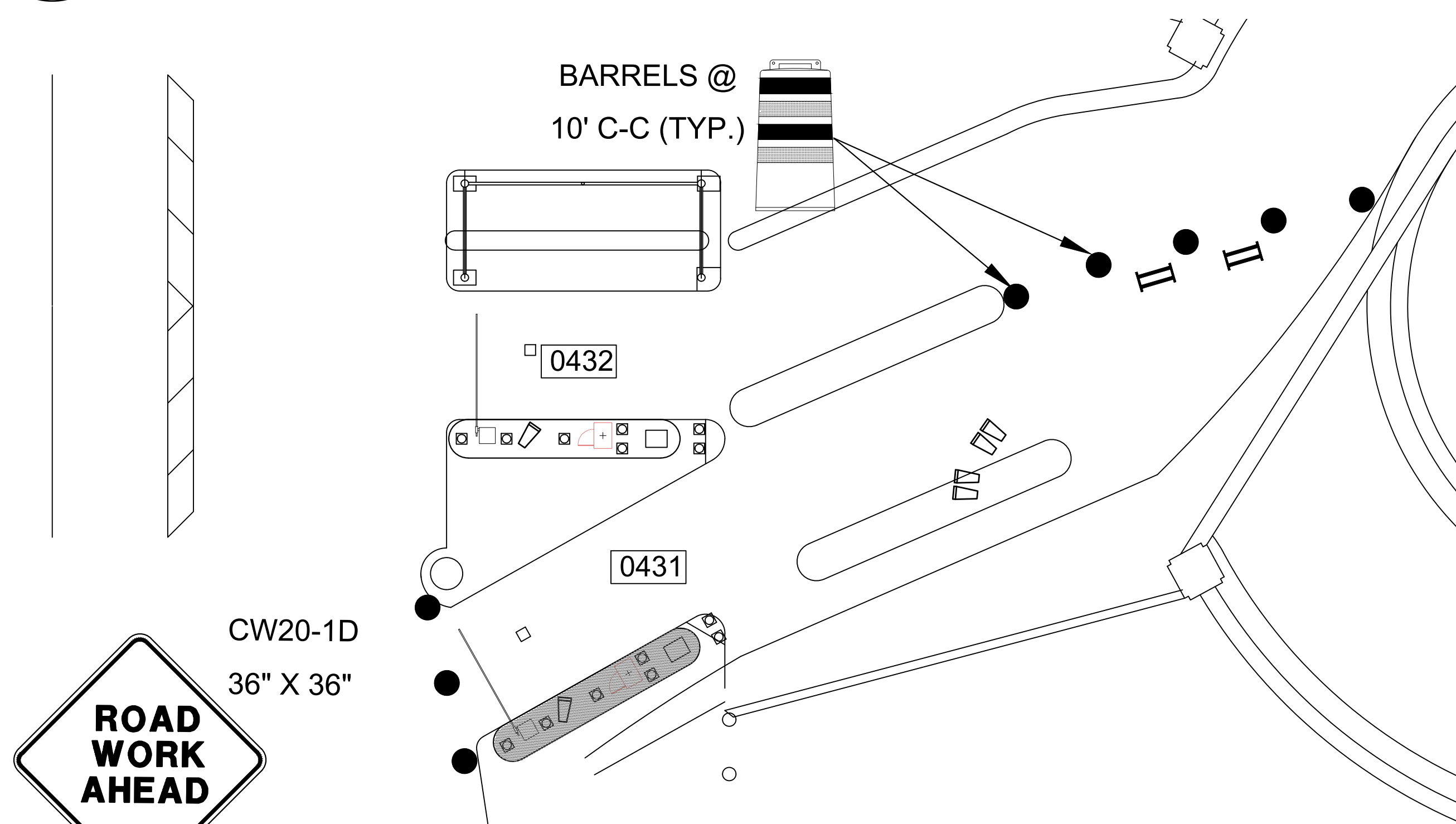
**LEVEL 3&4**

PLACE AT GROUND LEVEL ENTRANCE



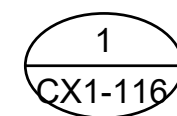
1  
CX1-116

SCALE: 1"=100'-0"



**LEVEL 3&4**

PLACE AT GROUND LEVEL ENTRANCE



1  
CX1-116

SCALE: 1"=100'-0"

LEGEND

●

●

II

↑

■

○

○

○

BARREL (DRUM)/  
CHANNELIZING DEVICE

SIGN

TYPE 3 BARRICADE

DIRECTION OF TRAVEL

WORK AREA

FLAGGER

FLAGGER STATION

# PHASE 5 STEP A

# PHASE 5 STEP B

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLARK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TWISTED PINE RECREATION 7-033

WWW.KIMLEY-HORN.COM

REVISIONS		
NO.	DESCRIPTION	DATE

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY:                      DATE:

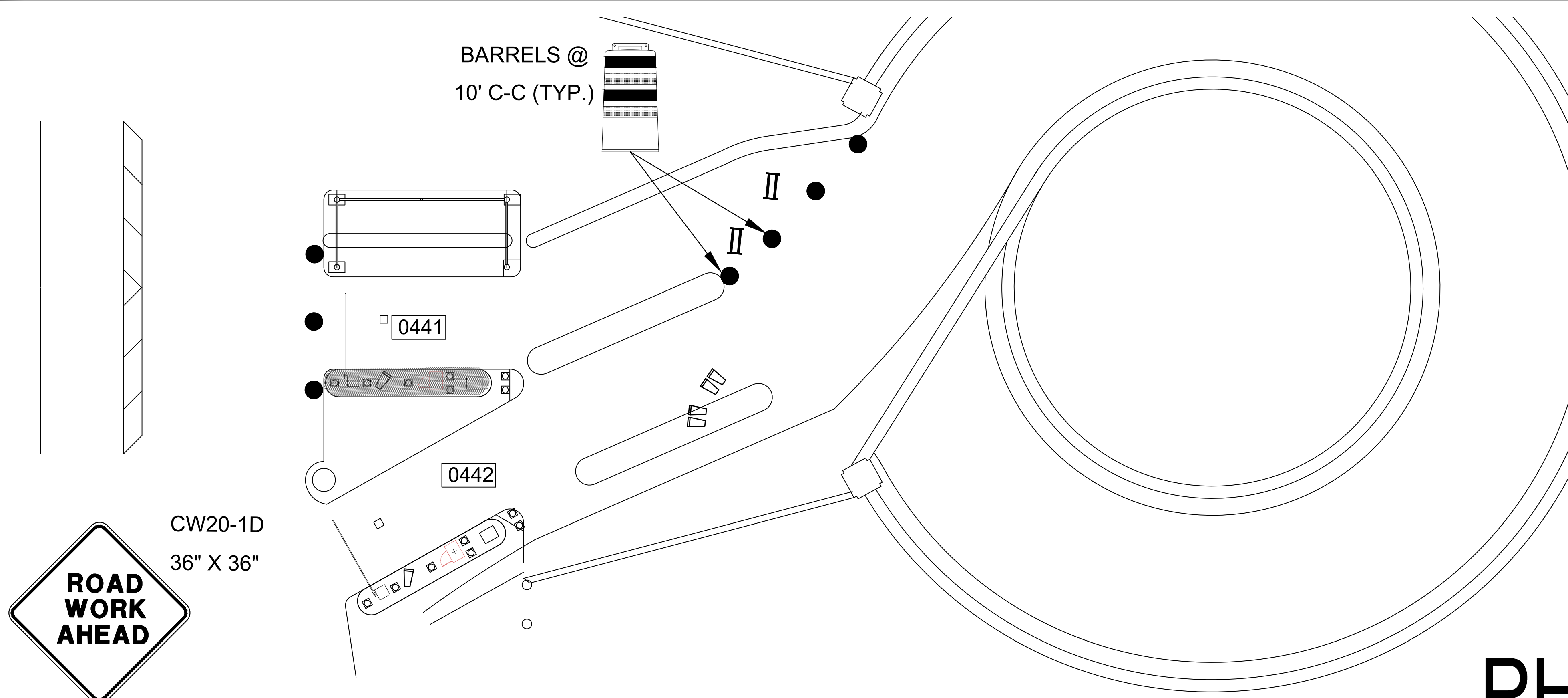
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

TCP-25





LEGEND

II

←

BARREL (DRUM)/  
CHANNELIZING DEVICE

SIGN

TYPE 3 BARRICADE

DIRECTION OF TRAVEL

WORK AREA

FLAGGER

FLAGGER STATION

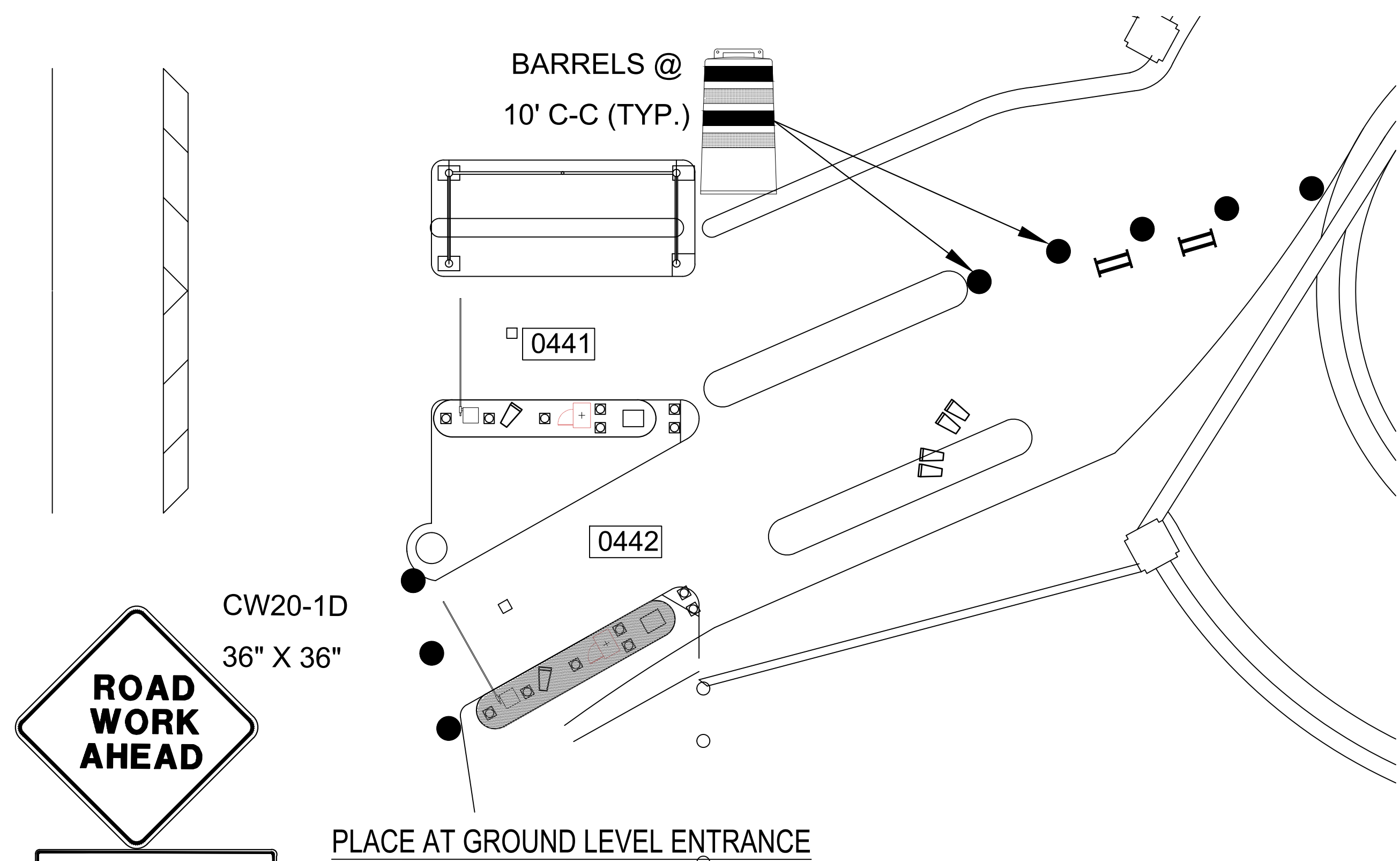
# PHASE 5 STEP A

2

CX1-116

TERMINAL B ENTRY LOCATION (LEVEL 4)

SCALE: 1"=100'-0"



# PHASE 5 STEP B

2

CX1-116

TERMINAL B ENTRY LOCATION (LEVEL 4)

SCALE: 1"=100'-0"

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLARK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TWIST: 281-475-2816

WWW.KIMLEY-HORN.COM

REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL

SYSTEMS (PARCS) GEORGE BUSH

INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR:

CDR

DESIGNER:

IMR

DRAWN BY:

KHA

CHECKED BY:

MI

SCALE:

NTS

DATE:

02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

02/25/2020

APPROVED BY:

DATE:

DIRECTOR

HOUSTON AIRPORT SYSTEM

PROJECT NO.

067810800

C.I.P. NO.

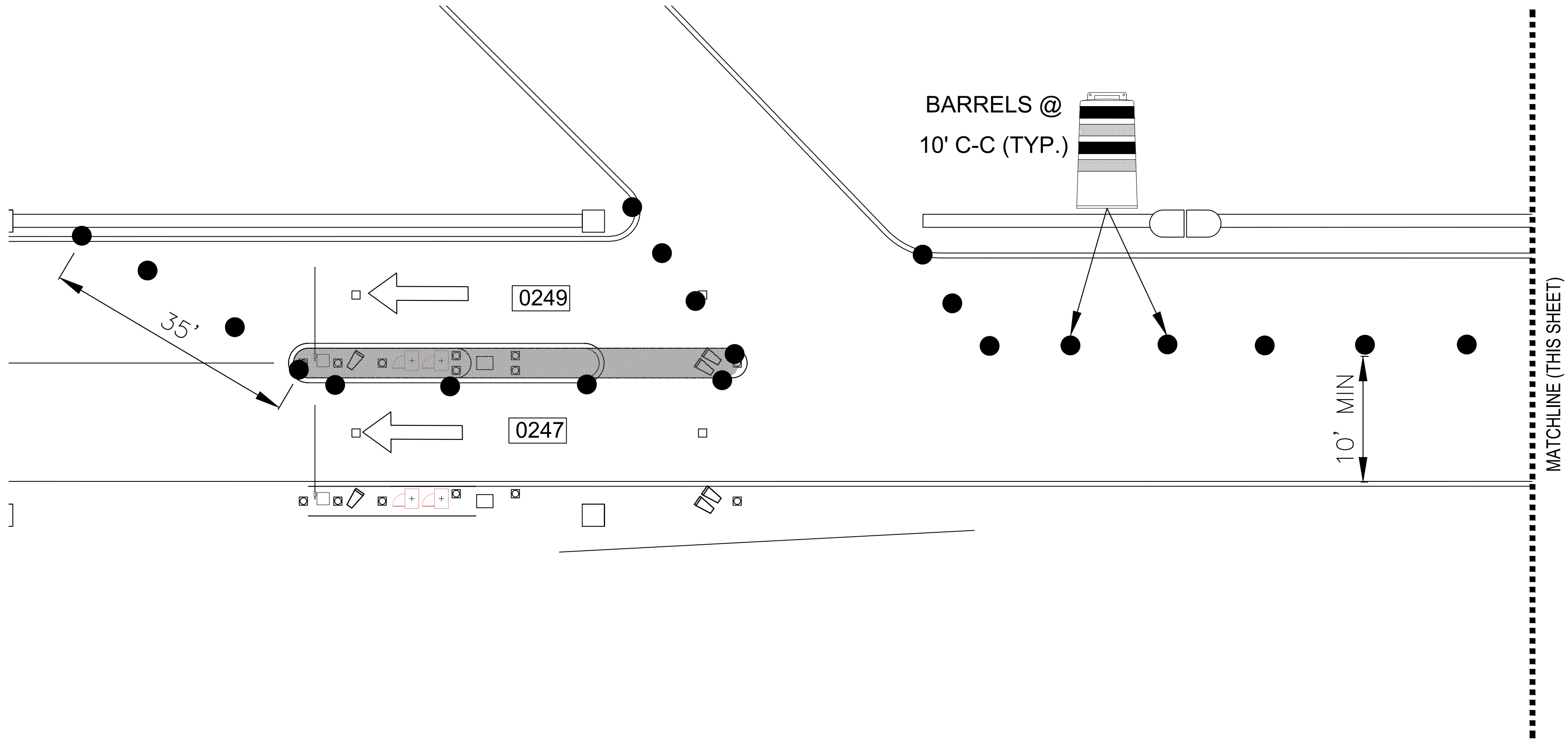
H.A.S. NO.

PN HKE-PARCS-2020-003

SHEET NO.

TCP-26





LEGEND

●

●

●

II

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■

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○

○

○

BARREL (DRUM)/  
CHANNELIZING DEVICE

SIGN

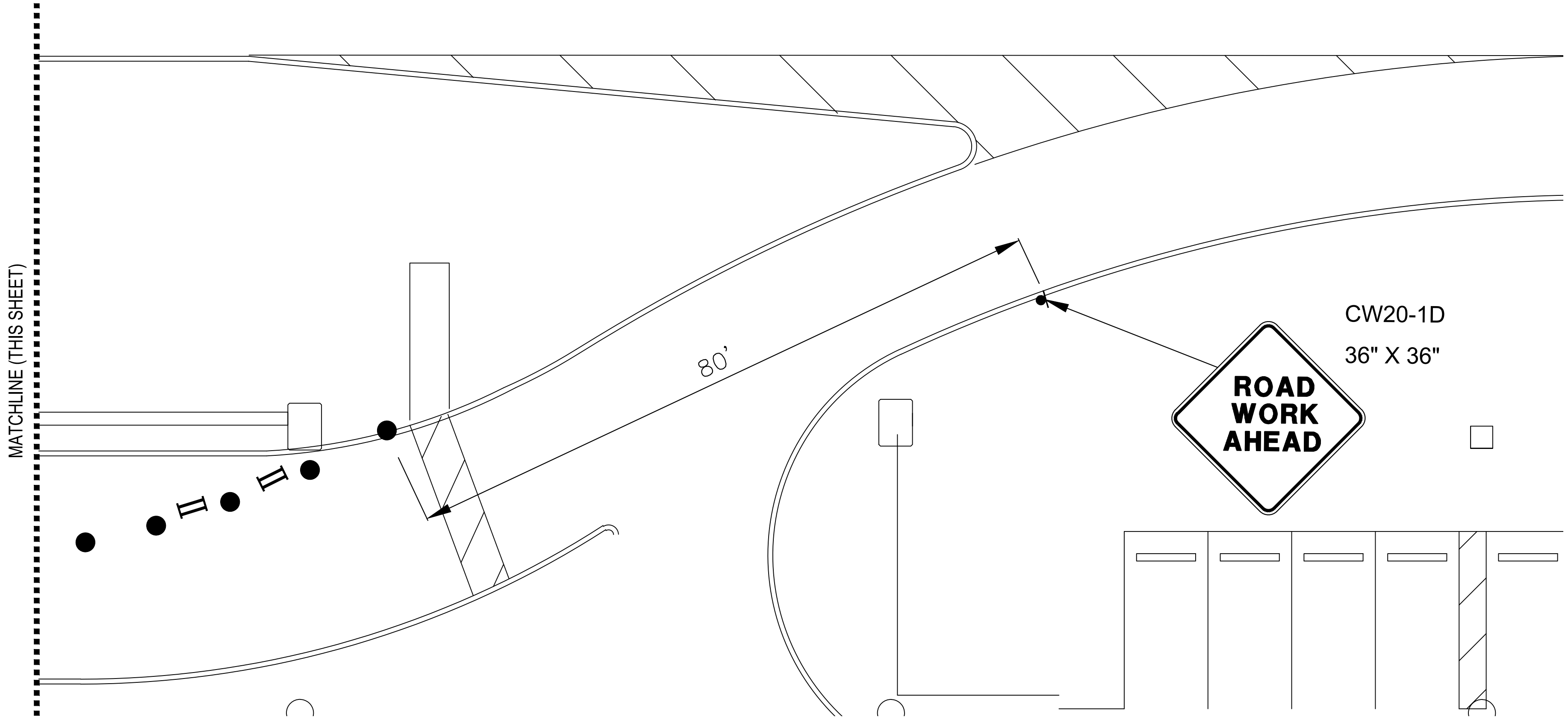
TYPE 3 BARRICADE

DIRECTION OF TRAVEL

WORK AREA

FLAGGER

FLAGGER STATION



# PHASE 5 STEP A

1  
CX1-104

TERMINAL A/B ENTRY LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.  
1405 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TOLL FREE: 800-441-4411  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



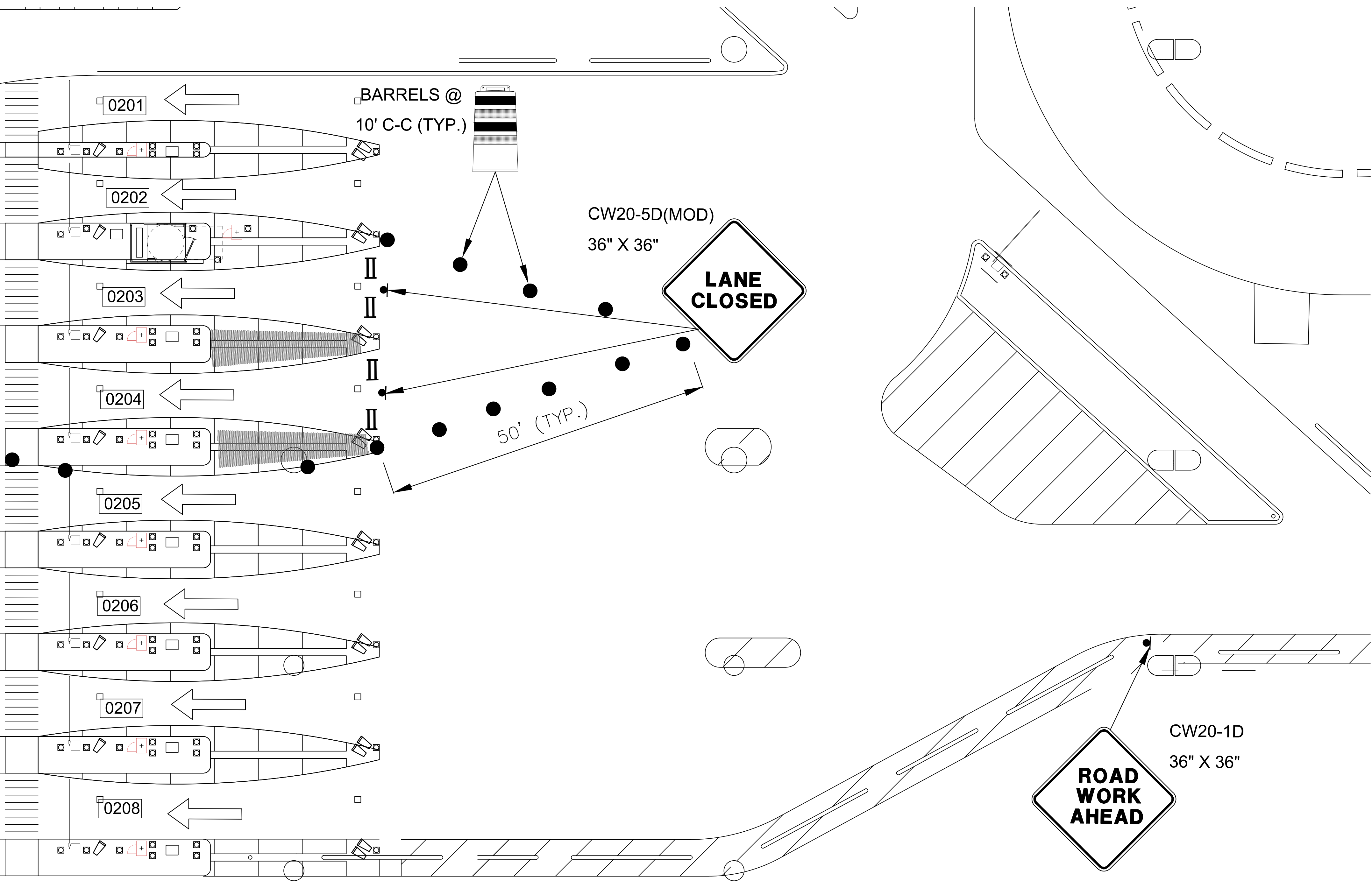
APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. 067810800	
C.I.P. NO.	
H.A.S. NO.	
PN HKE-PARCS-2020-003	
SHEET NO.	

TCP-27









### LEGEND

- BARREL (DRUM)/ CHANNELIZING DEVICE
- SIGN
- II TYPE 3 BARRICADE
- ↑ DIRECTION OF TRAVEL
- WORK AREA
- FLAGGER
- FLAGGER STATION

HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1405 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TDD: 281-475-2816  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL SYSTEMS (PARCS) GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH) TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020

APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	067810800
C.I.P. NO.	
H.A.S. NO.	PN HKE-PARCS-2020-003
SHEET NO.	

1  
CX1-107

TERMINAL A/B NORTH EXIT LOCATION (GROUND LEVEL)

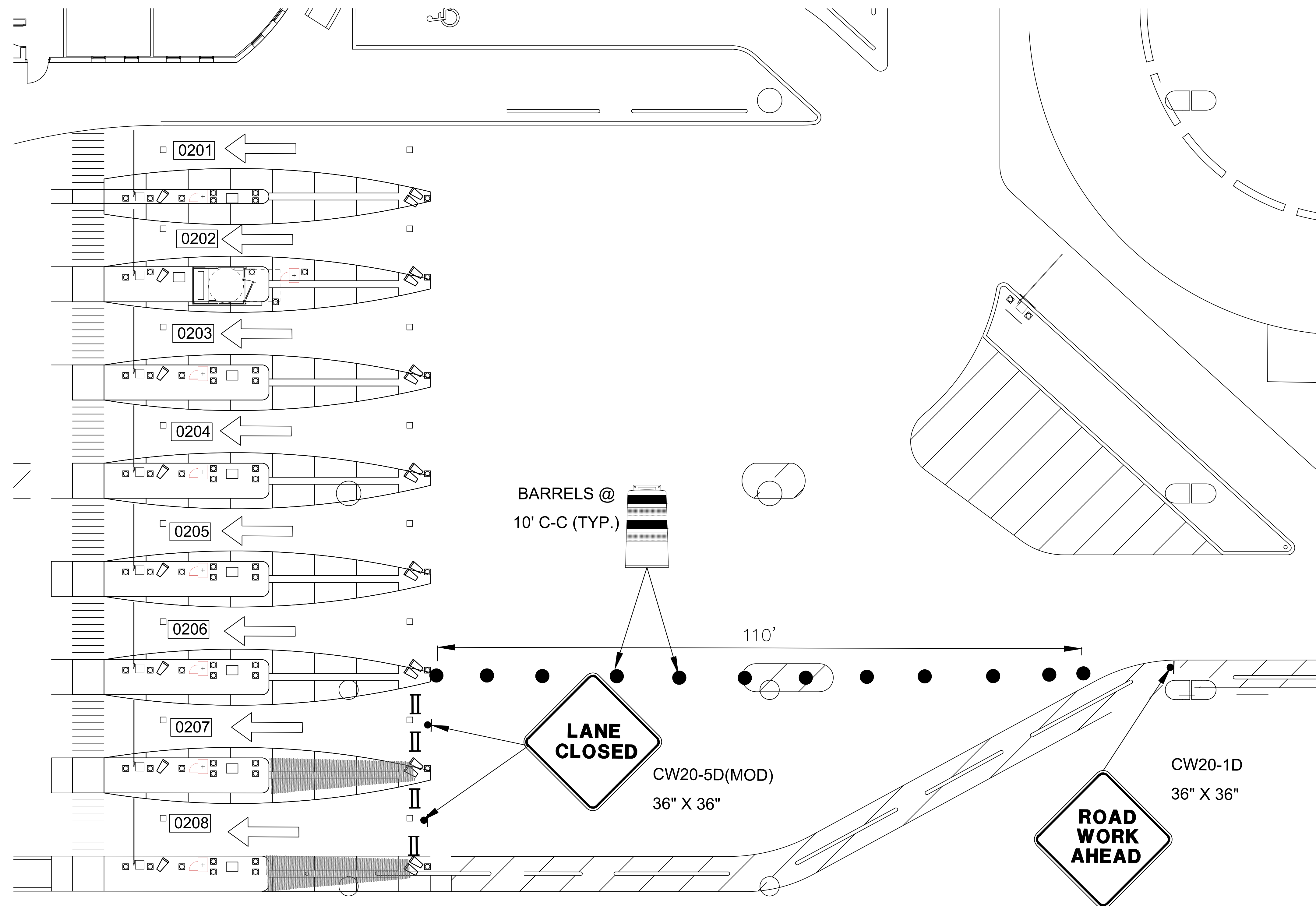
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# PHASE 5 STEP A





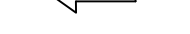










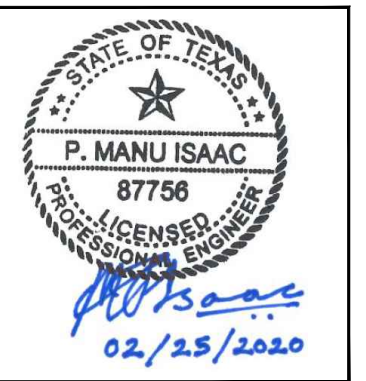
## LEGEND

- |   |                                       |
|---|---------------------------------------|
|  | BARREL (DRUM)/<br>CHANNELIZING DEVICE |
|  | SIGN                                  |
|  | TYPE 3 BARRICADE                      |
|  | DIRECTION OF TRAVEL                   |
|  | WORK AREA                             |
|  | FLAGGER                               |
|  | FLAGGER STATION                       |

REVISIONS			
NO.	DESCRIPTION	DATE	BY

TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

DIRECTOR  
HOUSTON AIRPORT SYSTEM

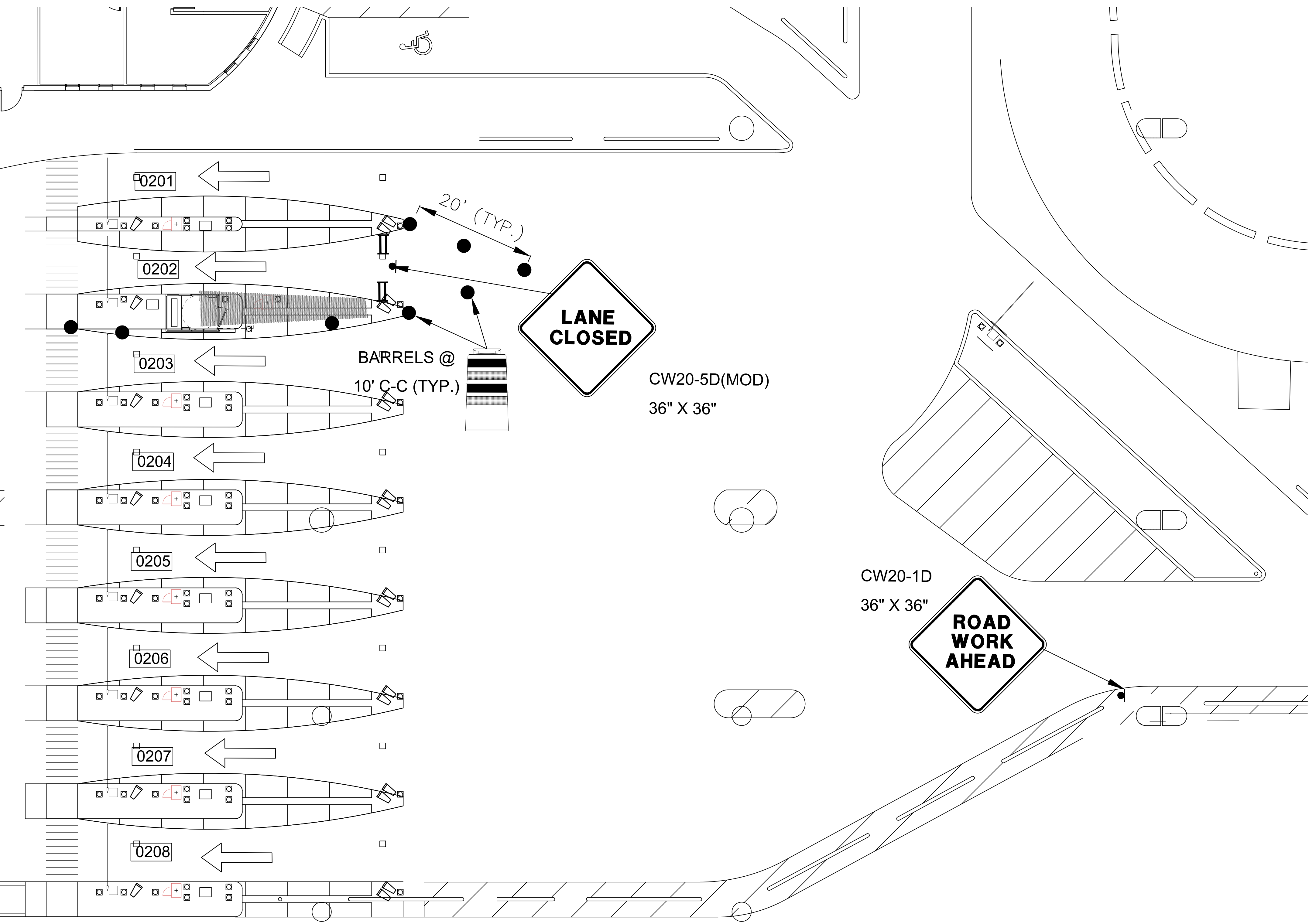
PROJECT NO.  
**067810800**

A.S. NO.  
N HKE-PARCS-2020-003  
HEET NO.

TCP-31

# PHASE 5 STEP C





LEGEND

●

BARREL (DRUM)/  
CHANNELIZING DEVICE

●

SIGN

II

TYPE 3 BARRICADE

↑

DIRECTION OF TRAVEL

■

WORK AREA

○

FLAGGER

●

FLAGGER STATION

PHASE 5 STEP D

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS

**Kimley»Horn**

KIMLEY-HORN AND ASSOCIATES, INC.  
1405 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TDD: 281-475-2816  
WWW.KIMLEY-HORN.COM

REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR: CDR

DESIGNER: IMR

DRAWN BY: KHA

CHECKED BY: MI

SCALE: NTS

DATE: 02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

02/25/2020

APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800

C.I.P. NO.

H.A.S. NO.

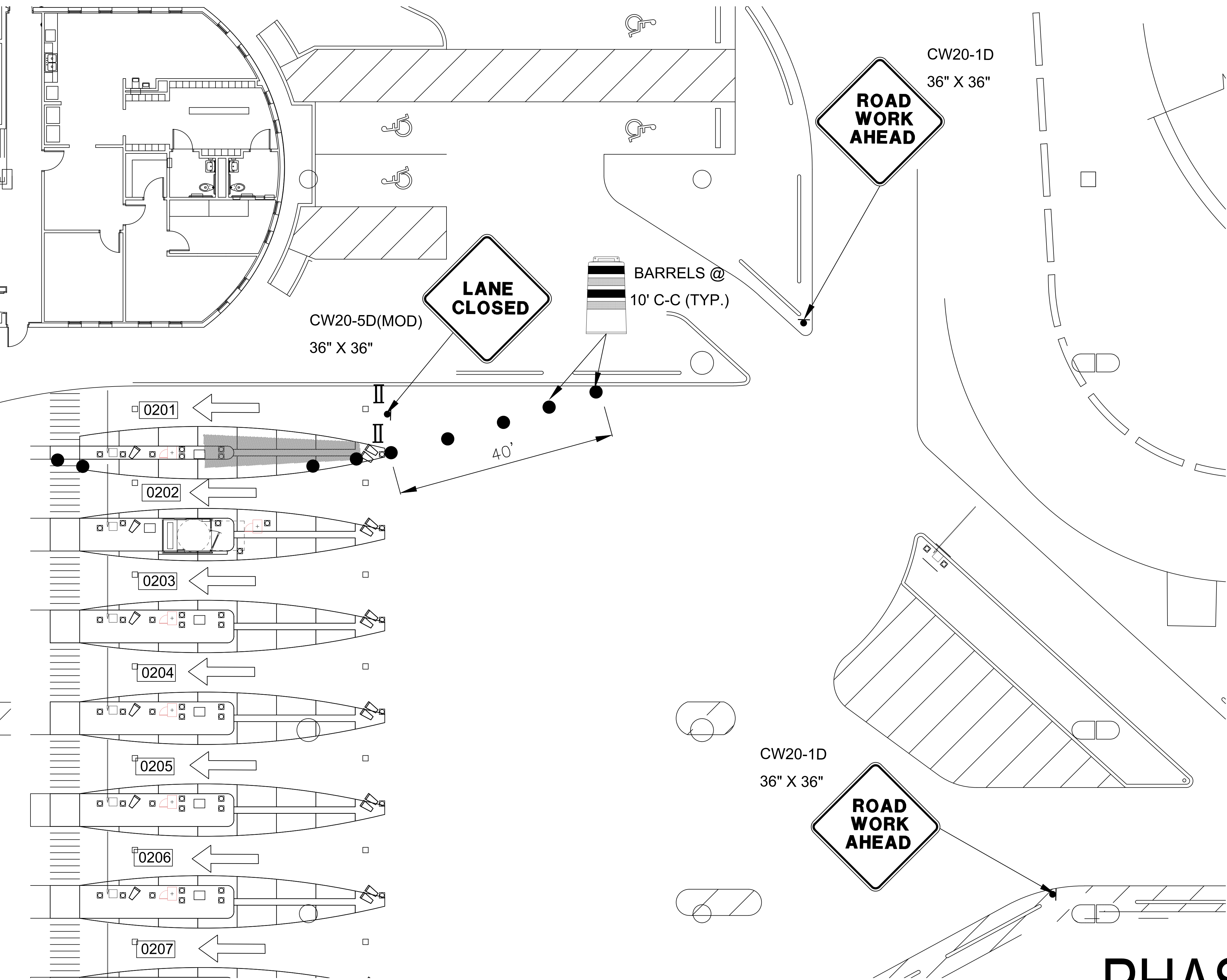
PN HKE-PARCS-2020-003

SHEET NO.

TCP-32

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LEGEND

●

BARREL (DRUM)/  
CHANNELIZING DEVICE

●

SIGN

⏏

TYPE 3 BARRICADE

➡

DIRECTION OF TRAVEL

▬

WORK AREA

⏏

FLAGGER

⏏

FLAGGER STATION

1  
CX1-107

TERMINAL A/B NORTH EXIT LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"

PHASE 5 STEP E

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLICK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TYP: FPM REGISTRATION # 033

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REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR: CDR

DESIGNER: IMR

DRAWN BY: KHA

CHECKED BY: MI

SCALE: NTS

DATE: 02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

LICENSED PROFESSIONAL ENGINEER

*P. Manu Isaac*

02/25/2020

APPROVED BY: DATE:

DIRECTOR

HOUSTON AIRPORT SYSTEM

PROJECT NO.

067810800

C.I.P. NO.

H.A.S. NO.

PN HKE-PARCS-2020-003

SHEET NO.

TCP-33

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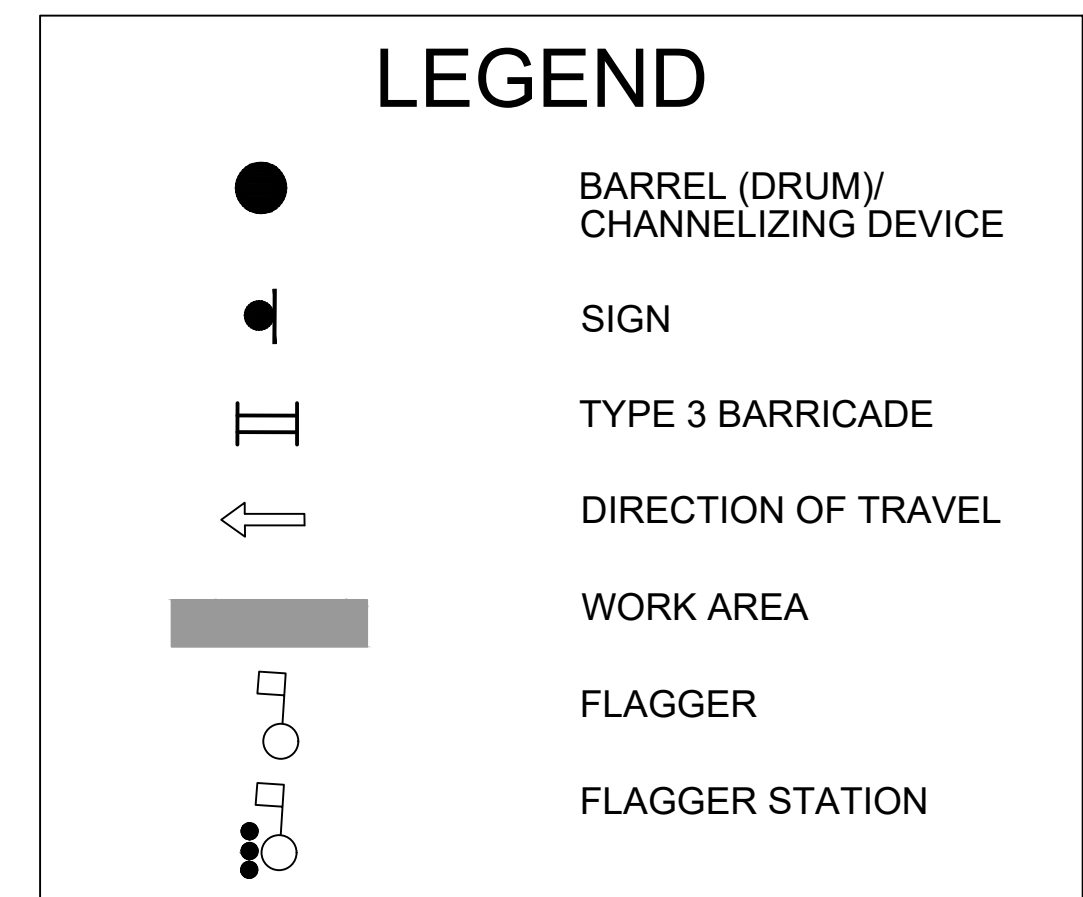
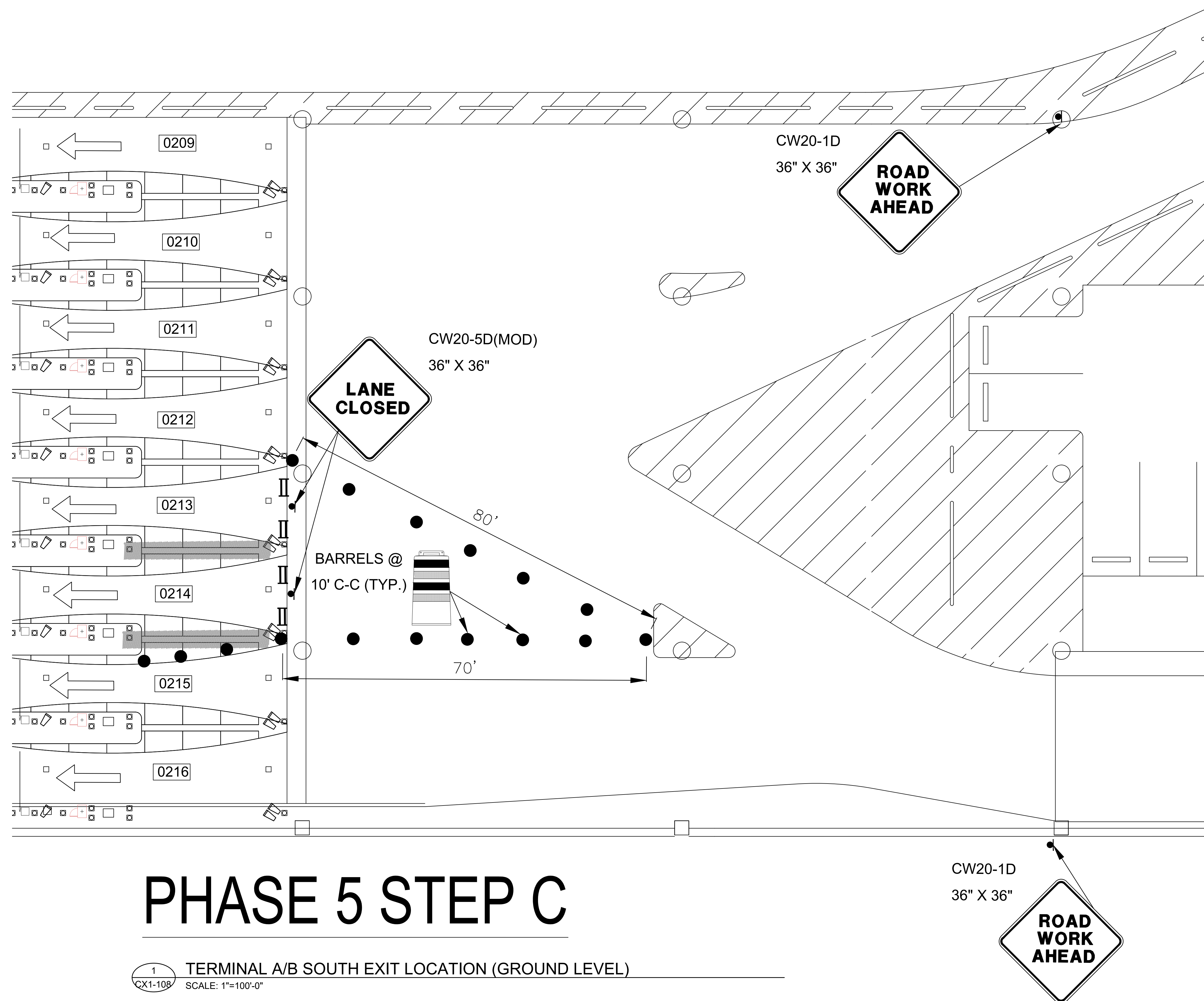








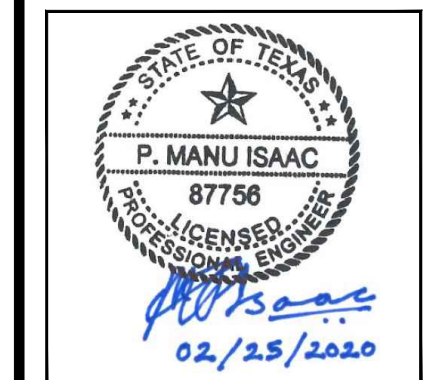




REVISIONS			
NO.	DESCRIPTION	DATE	BY

# PARKING ACCESS AND REVENUE CONTROL SYSTEMS (PARCS) GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH) TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

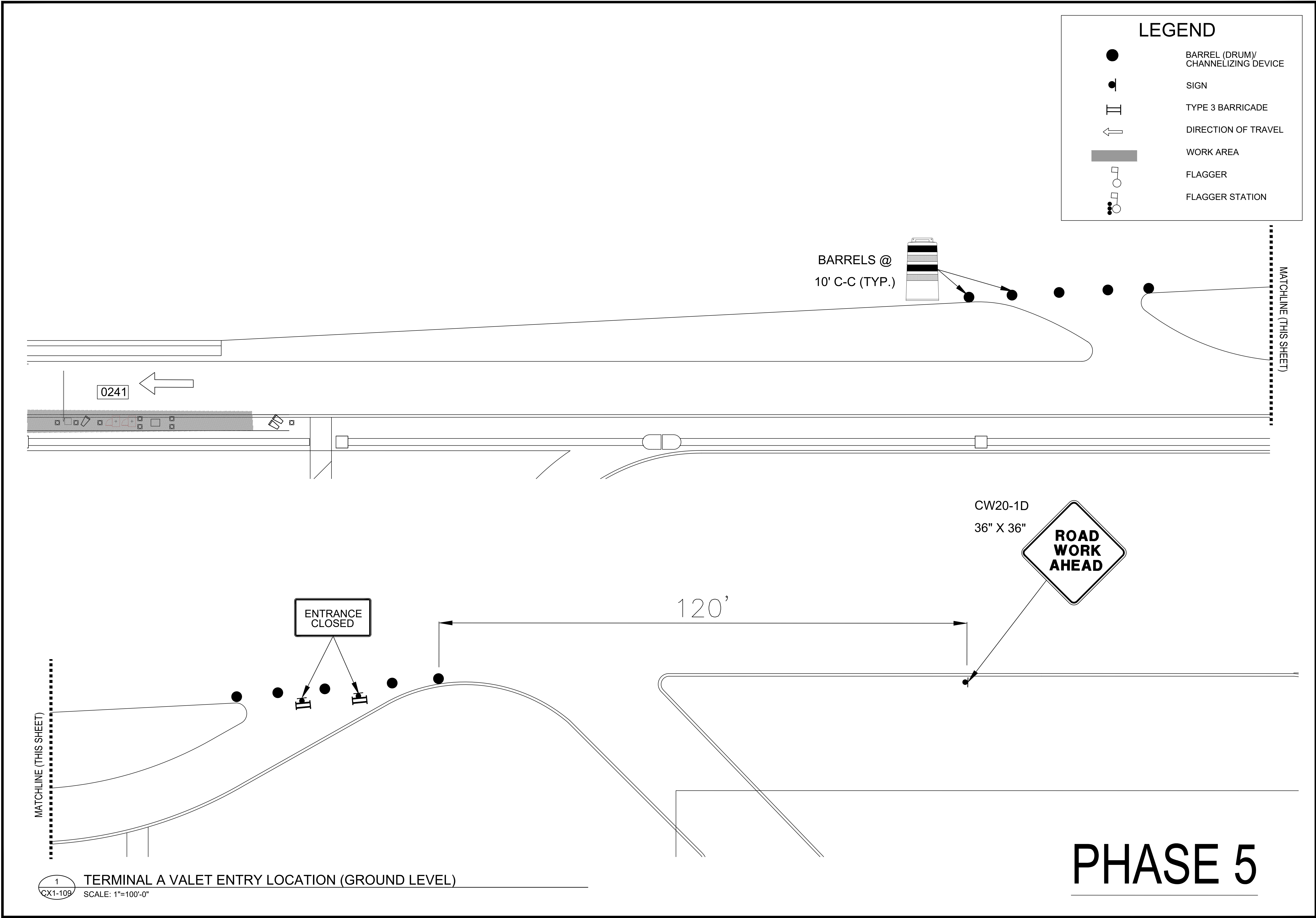












LEGEND

●

BARREL (DRUM)/  
CHANNELIZING DEVICE

●

SIGN

II

TYPE 3 BARRICADE

←

DIRECTION OF TRAVEL

■

WORK AREA

□○

FLAGGER

●○

FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLICK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TWISTED FIRM REGISTRATION # 003

WWW.KIMLEY-HORN.COM

REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR: CDR

DESIGNER: IMR

DRAWN BY: KHA

CHECKED BY: MI

SCALE: NTS

DATE: 02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

PROFESSIONAL ENGINEER

*P. Manu Isaac*

02/25/2020

APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800

C.I.P. NO.

H.A.S. NO.

PN HKE-PARCS-2020-003

SHEET NO.

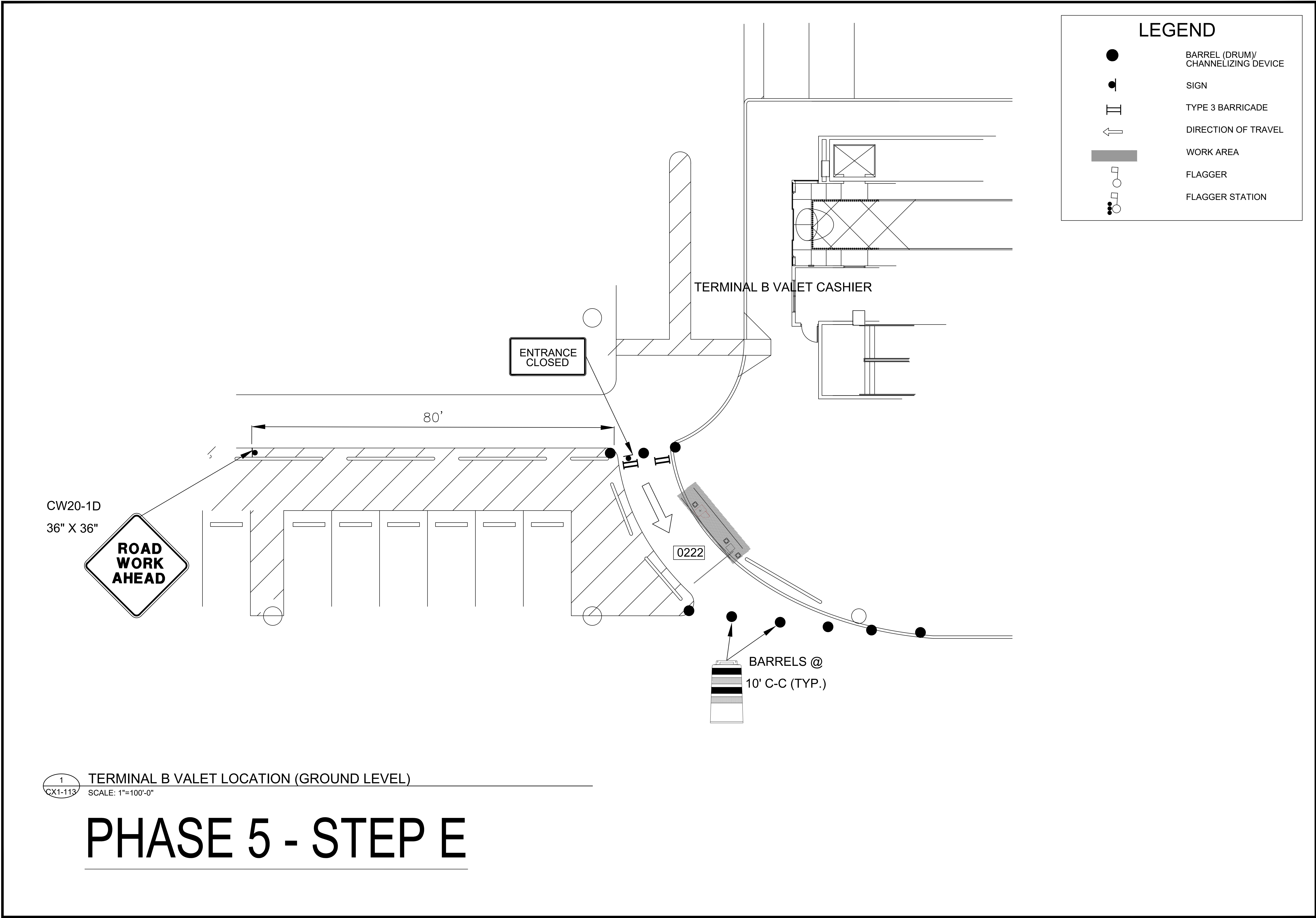
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LEGEND

BARREL (DRUM)/  
CHANNELIZING DEVICE

SIGN

TYPE 3 BARRICADE

DIRECTION OF TRAVEL

WORK AREA

FLAGGER

FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLICK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TWISTED FIRM REGISTRATION # 003

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REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR: CDR

DESIGNER: IMR

DRAWN BY: KHA

CHECKED BY: MI

SCALE: NTS

DATE: 02/25/2020

STATE OF TEXAS

★

P. MANU ISAAC

87758

LICENSED PROFESSIONAL ENGINEER

*P. Manu Isaac*

02/25/2020

APPROVED BY:

DATE:

DIRECTOR

HOUSTON AIRPORT SYSTEM

PROJECT NO.

067810800

C.I.P. NO.

H.A.S. NO.

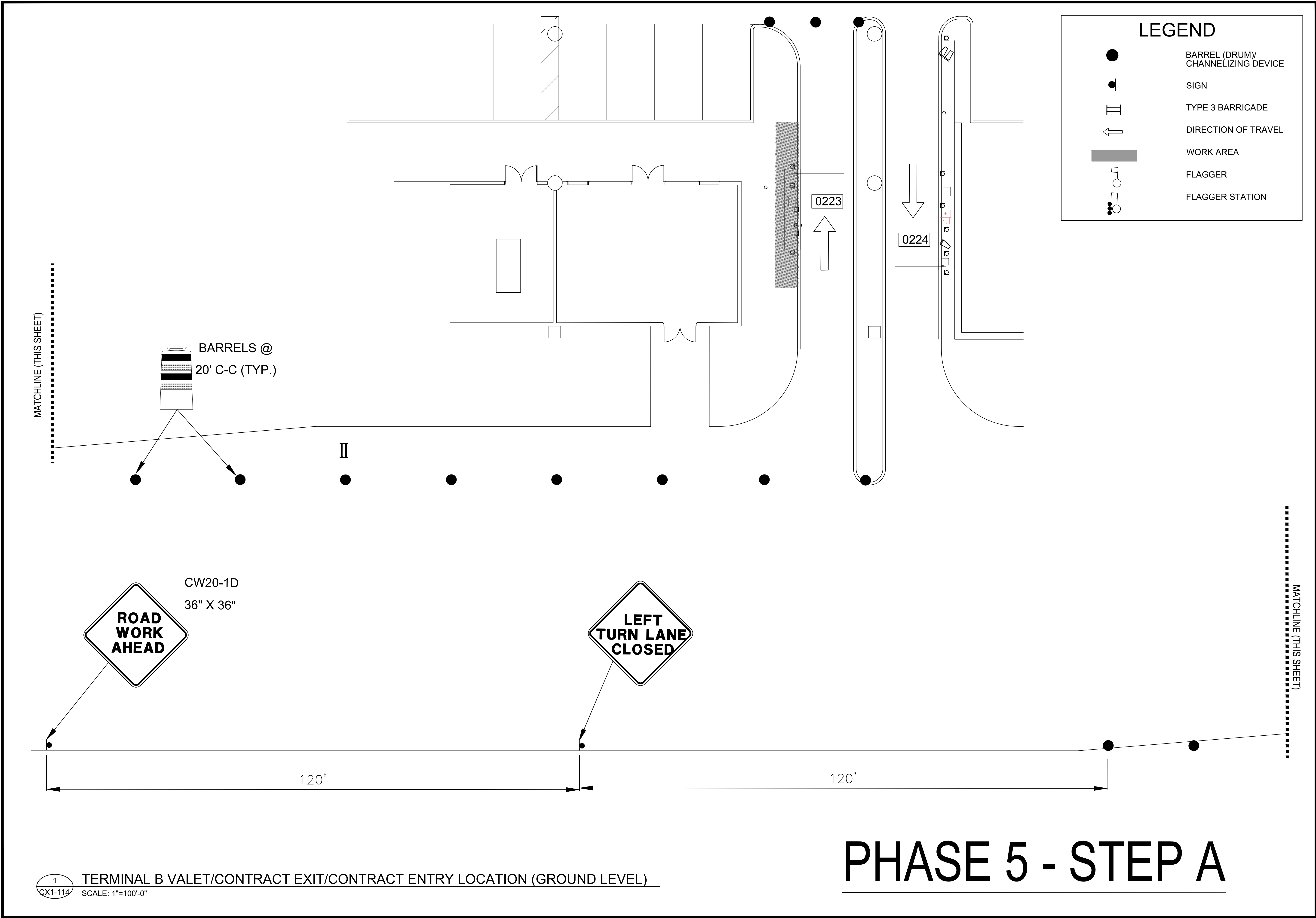
PN HKE-PARCS-2020-003

SHEET NO.

TCP-41

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**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLARK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TDD: 281-475-2816  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

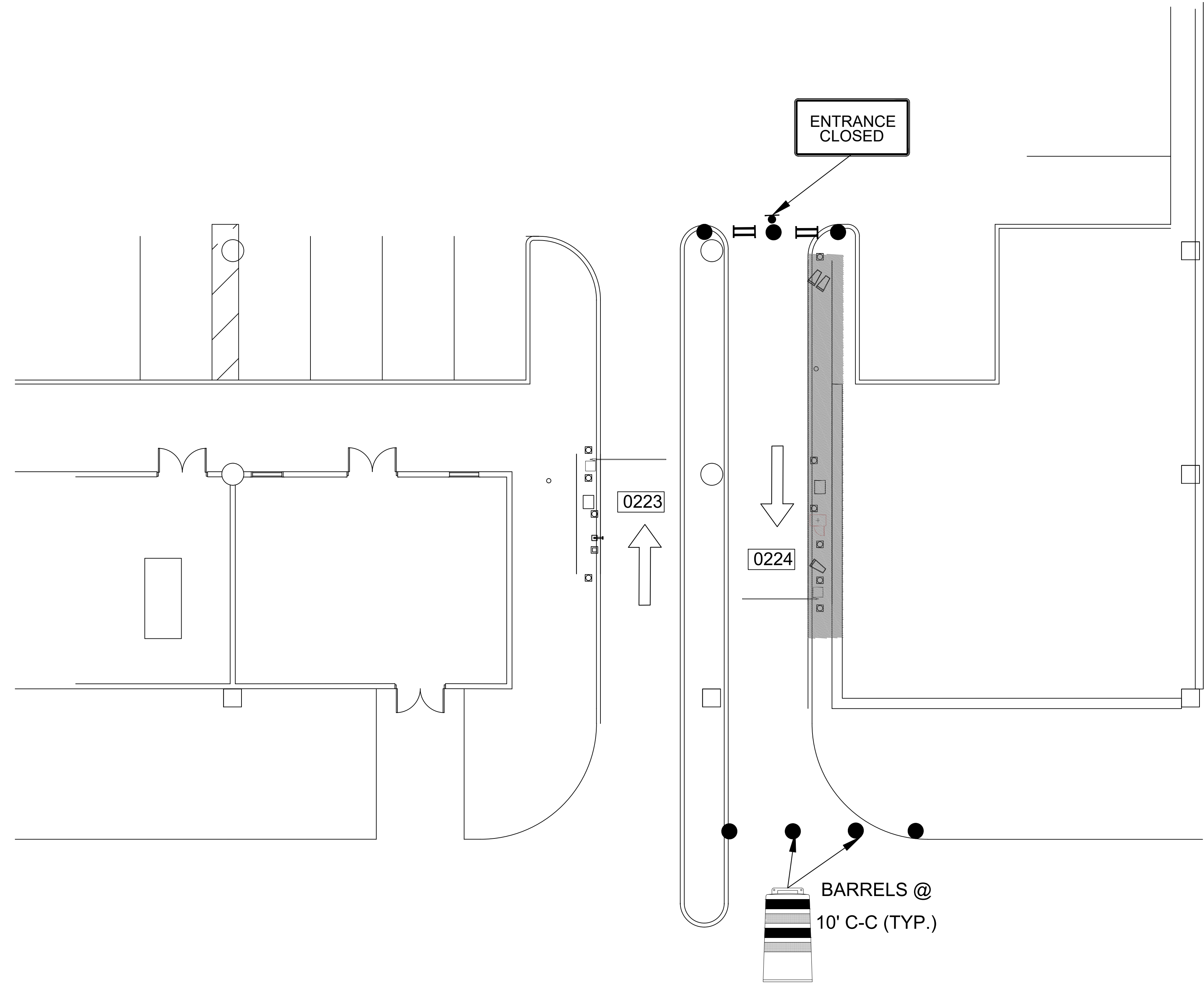
**PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN**

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020

APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. <b>067810800</b>	
C.I.P. NO.	
H.A.S. NO.	
<b>PN HKE-PARCS-2020-003</b>	
SHEET NO.	

**TCP-42**







1  
CX1-114

TERMINAL B VALET/CONTRACT EXIT/CONTRACT ENTRY LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"

# PHASE 5 - STEP B



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS




**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1405 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TDD: 281-475-2816  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

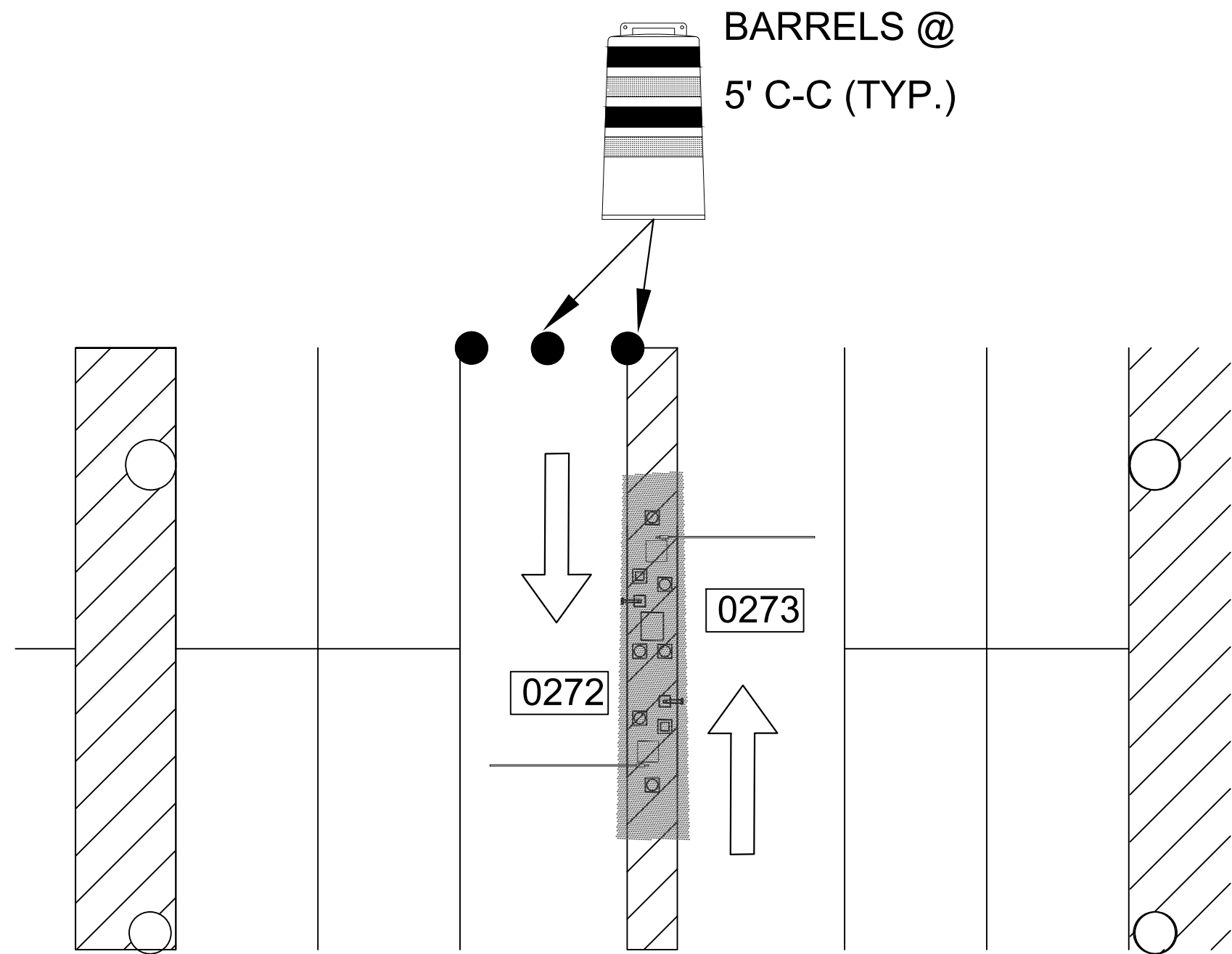
PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. 067810800	
C.I.P. NO.	
H.A.S. NO.	
PN HKE-PARCS-2020-003	
SHEET NO.	

TCP-43





LEGEND

BARREL (DRUM)/  
CHANNELIZING DEVICE

SIGN

TYPE 3 BARRICADE

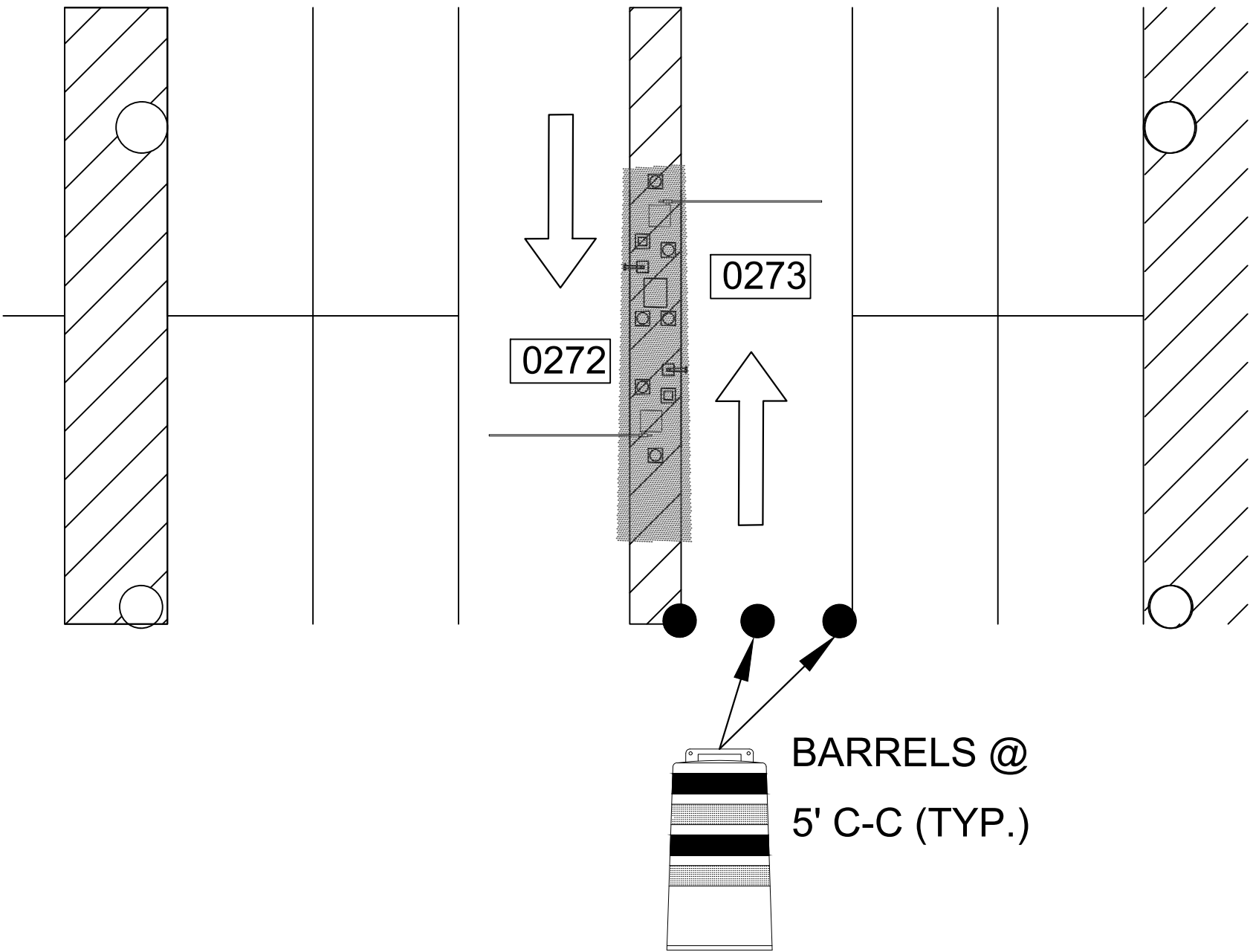
DIRECTION OF TRAVEL

WORK AREA

FLAGGER

FLAGGER STATION

PHASE 5 STEP A



PHASE 5 STEP B

1  
CX1-115

1

TERMINAL A/B VALET STORAGE LOCATION (LEVEL 7)

SCALE: 1"=100'-0"



HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS



Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TDD: 281-475-2816  
WWW.KIMLEY-HORN.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY:

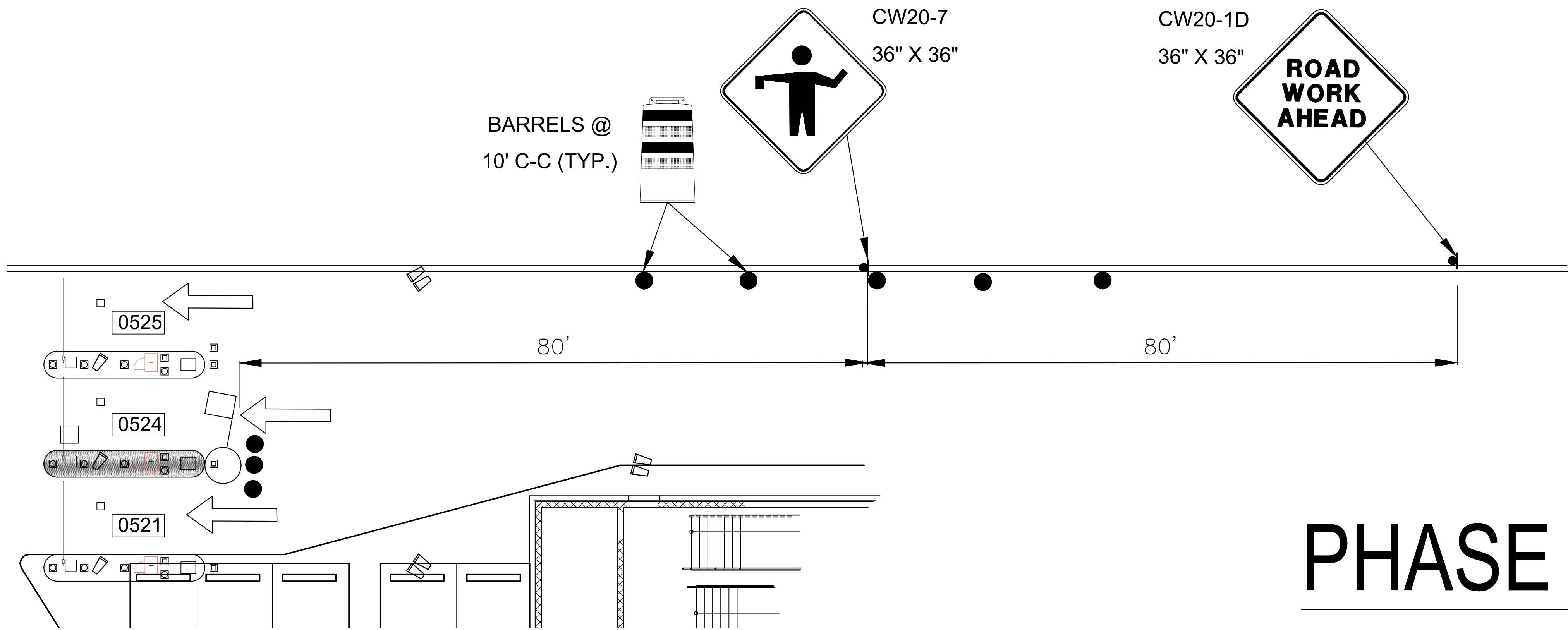
DATE:

DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	067810800
C.I.P. NO.	
H.A.S. NO.	
PN HKE-PARCS-2020-003	
SHEET NO.	

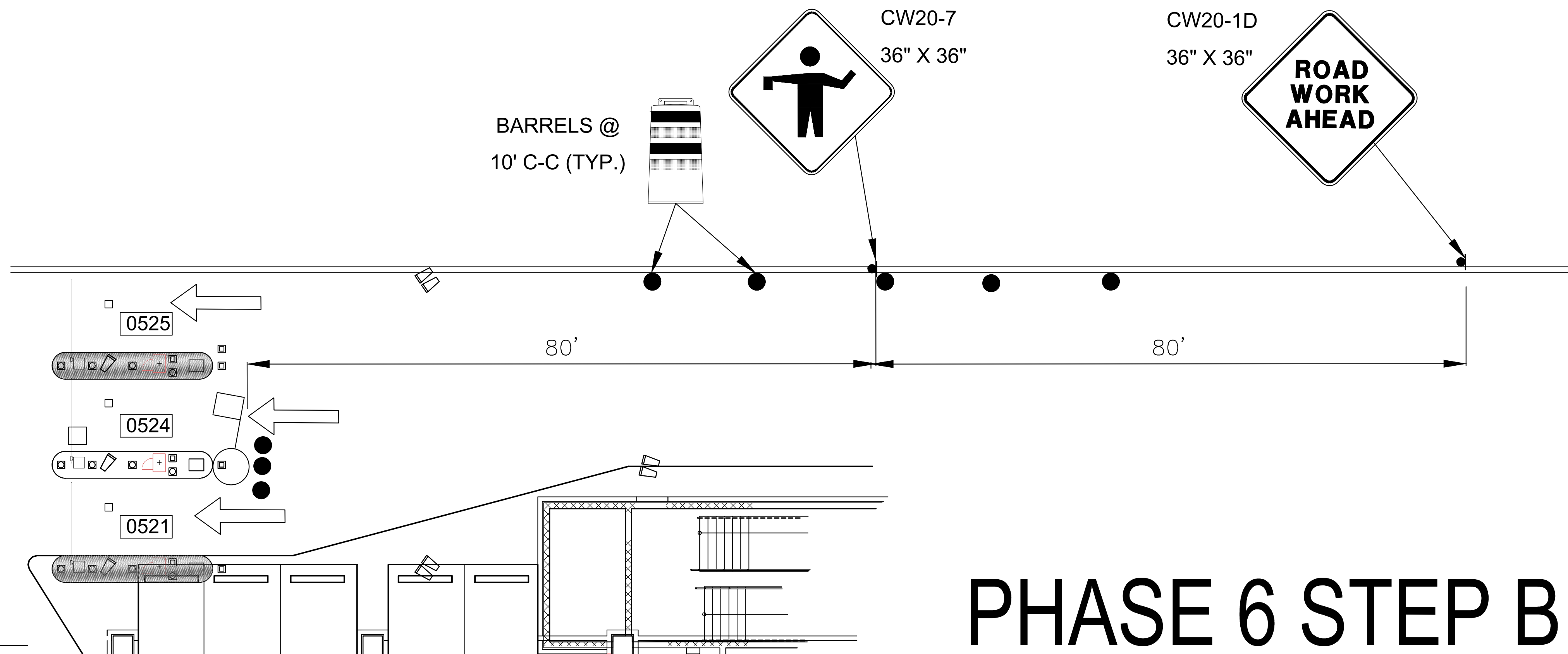
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## PHASE 6 STEP A



## PHASE 6 STEP B

1 TERMINAL C ENTRY LOCATION (LEVEL 2)  
CX1-130 SCALE: 1"=100'-0"

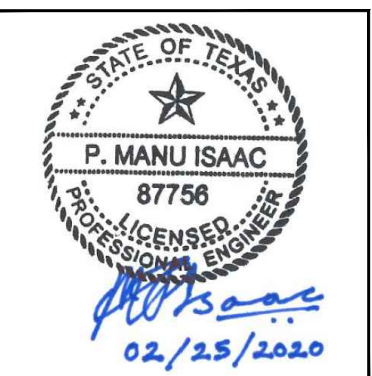
### LEGEND

- BARREL (DRUM)/ CHANNELIZING DEVICE
- SIGN
- II TYPE 3 BARRICADE
- ← DIRECTION OF TRAVEL
- WORK AREA
- FLAGGER
- FLAGGER STATION

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

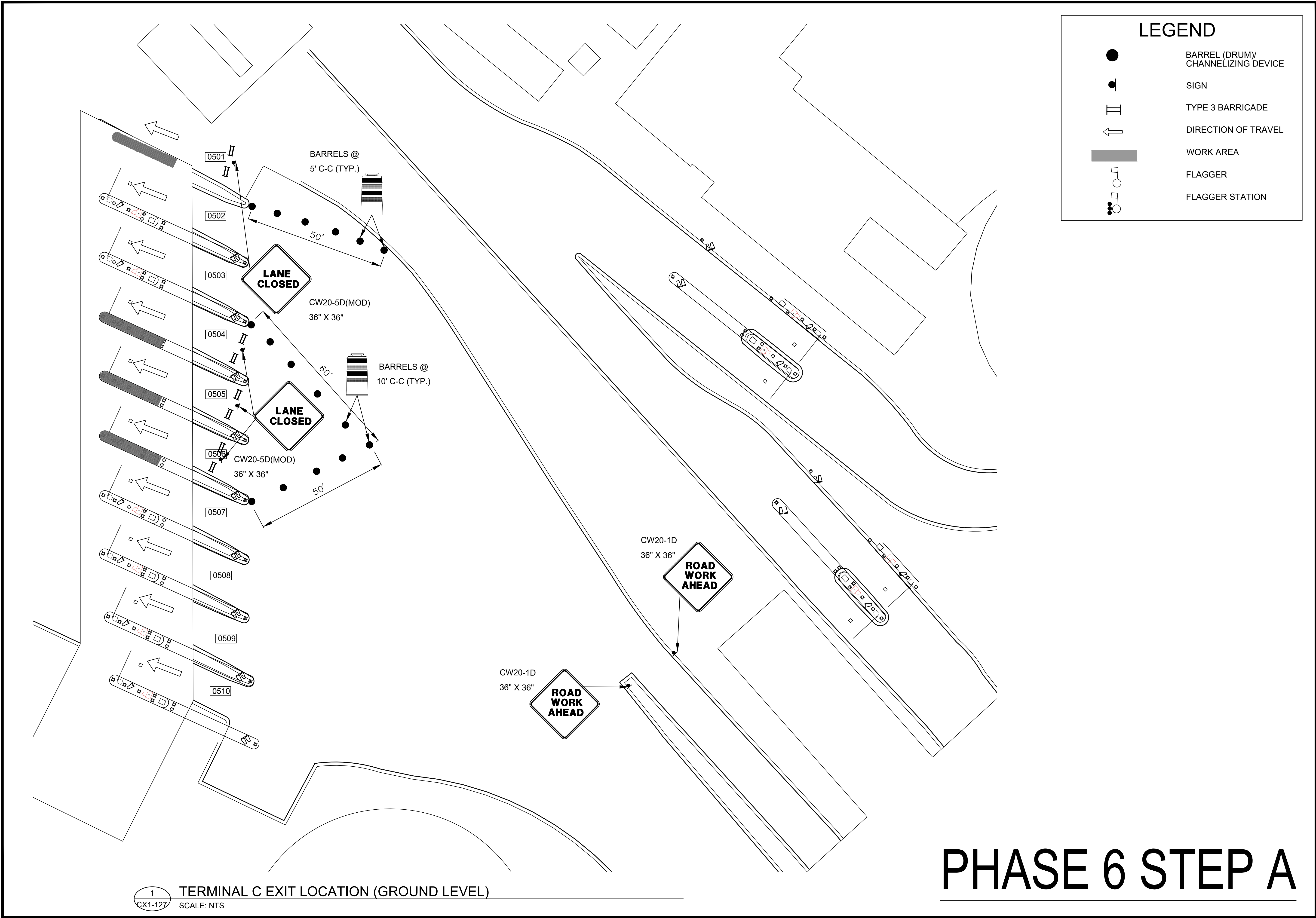
PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. <b>067810800</b>	
C.I.P. NO.	
H.A.S. NO. <b>PN HKE-PARCS-2020-003</b>	
SHEET NO.	

TCP-45







HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTONTEXAS

**Kimley»Horn**

Kimley-Horn and Associates, Inc.  
1400 Woodloch Forest Drive, Suite 225  
The Woodlands, TX 77380  
Phone: 281-475-2816  
Toll Free: 800-451-7222  
www.kimley-horn.com

REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR:CDR

DESIGNER:IMR

DRAWN BY:KHA

CHECKED BY:MI

SCALE:NTS

DATE:02/25/2020

STATE OF TEXAS



APPROVED BY:DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800

C.I.P. NO.

H.A.S. NO.

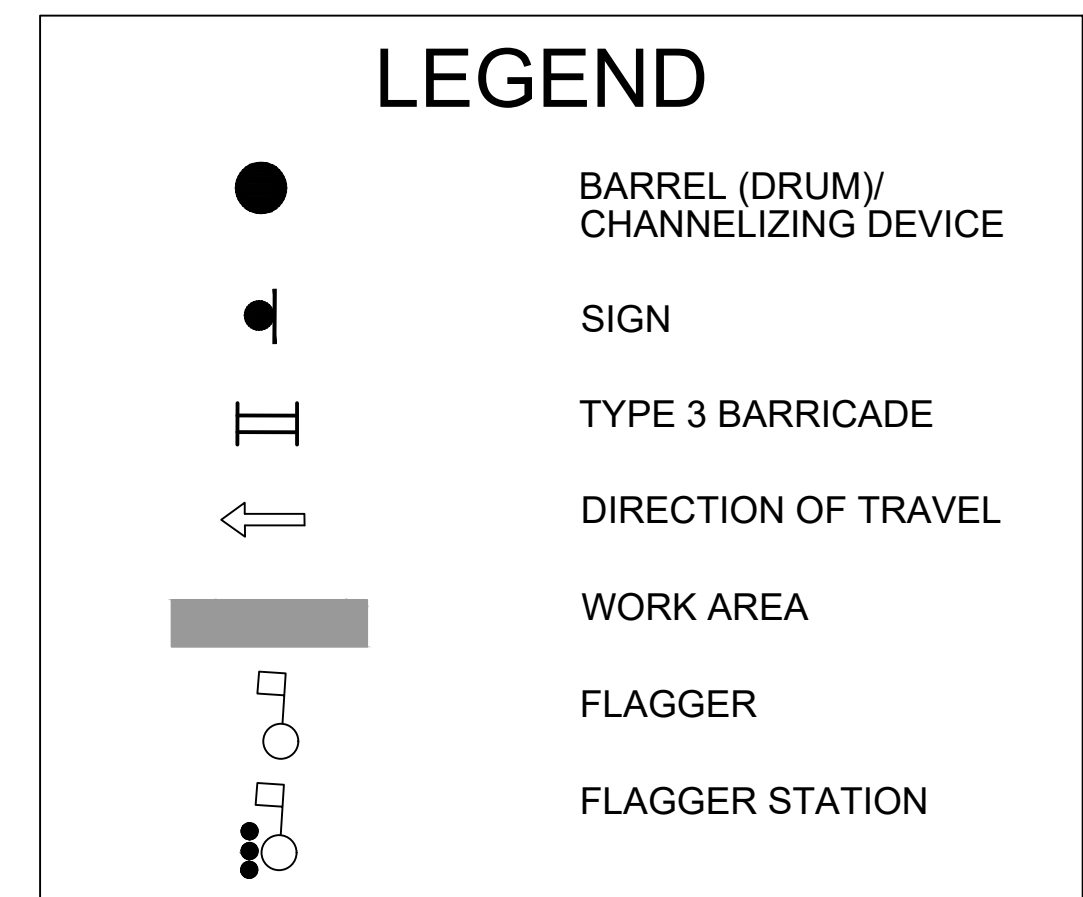
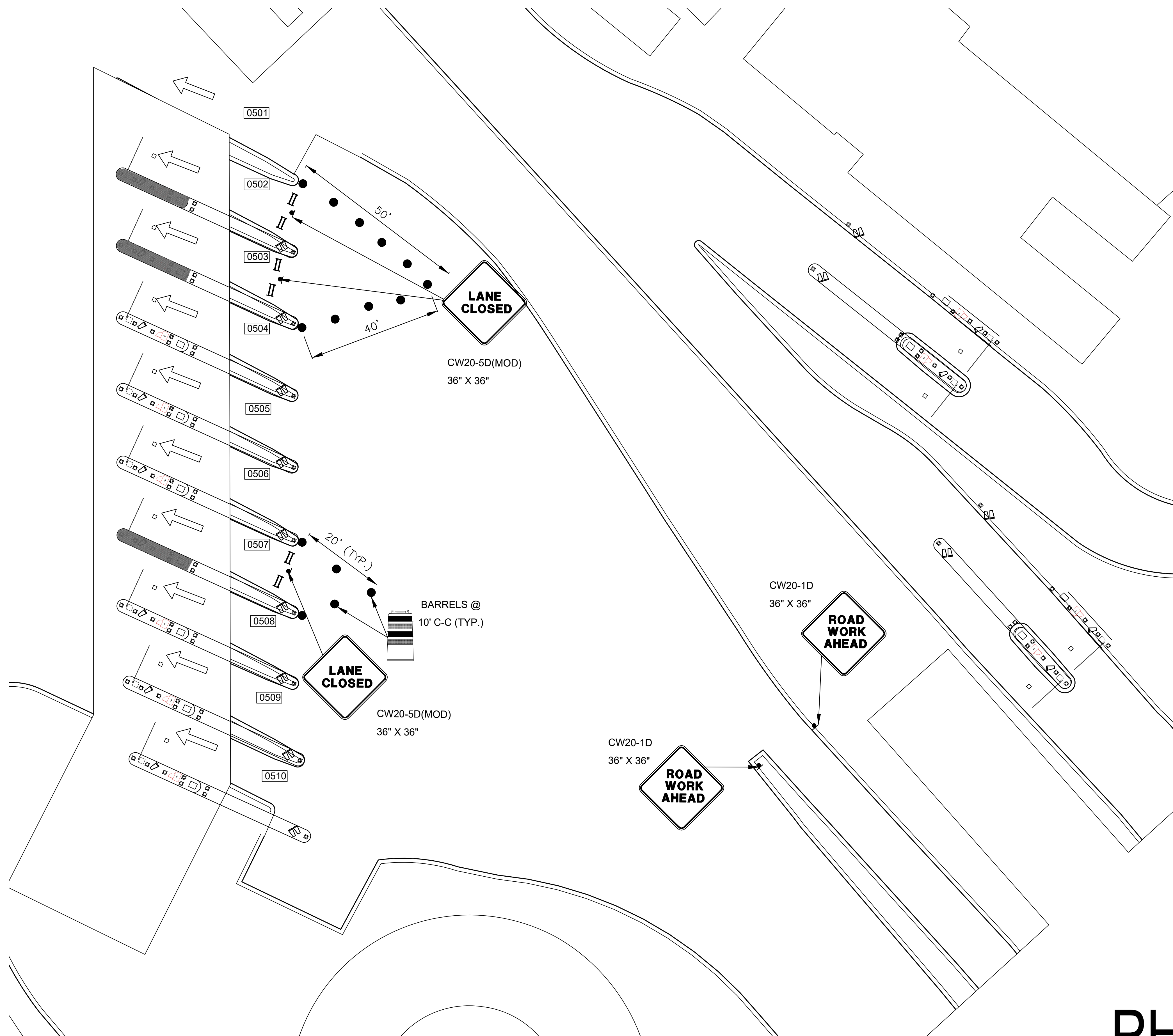
PN HKE-PARCS-2020-003

SHEET NO.

TCP-46

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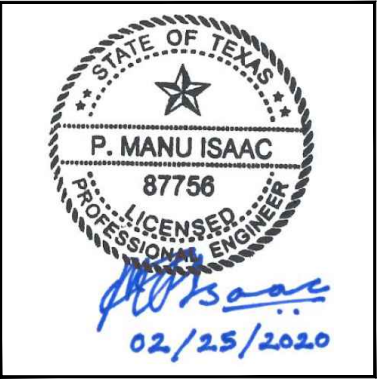




REVISIONS			
NO.	DESCRIPTION	DATE	BY

# PARKING ACCESS AND REVENUE CONTROL SYSTEMS (PARCS) GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH) TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



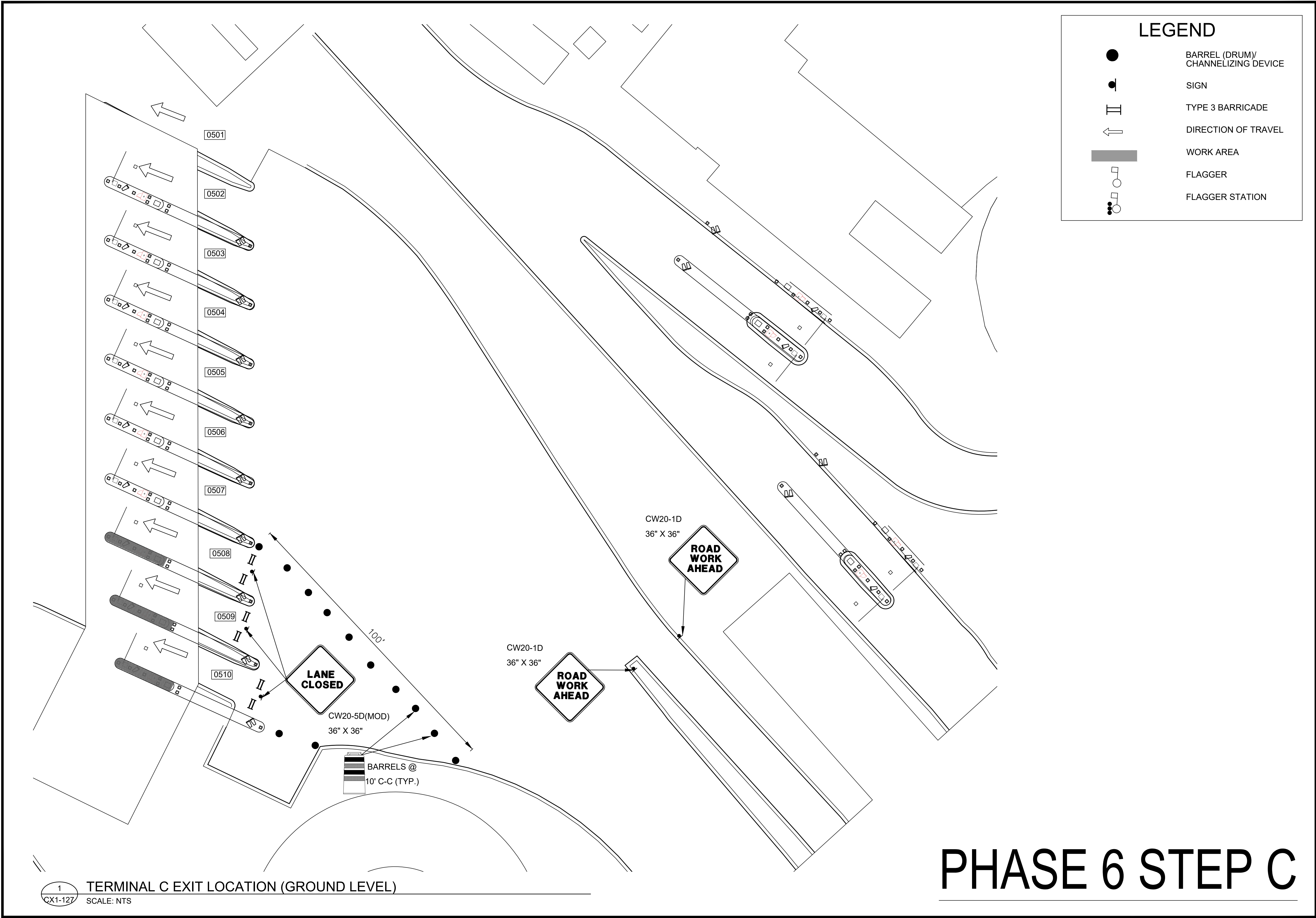
APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.







HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1405 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TOLL FREE: 800-441-4444  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**

C.I.P. NO. \_\_\_\_\_

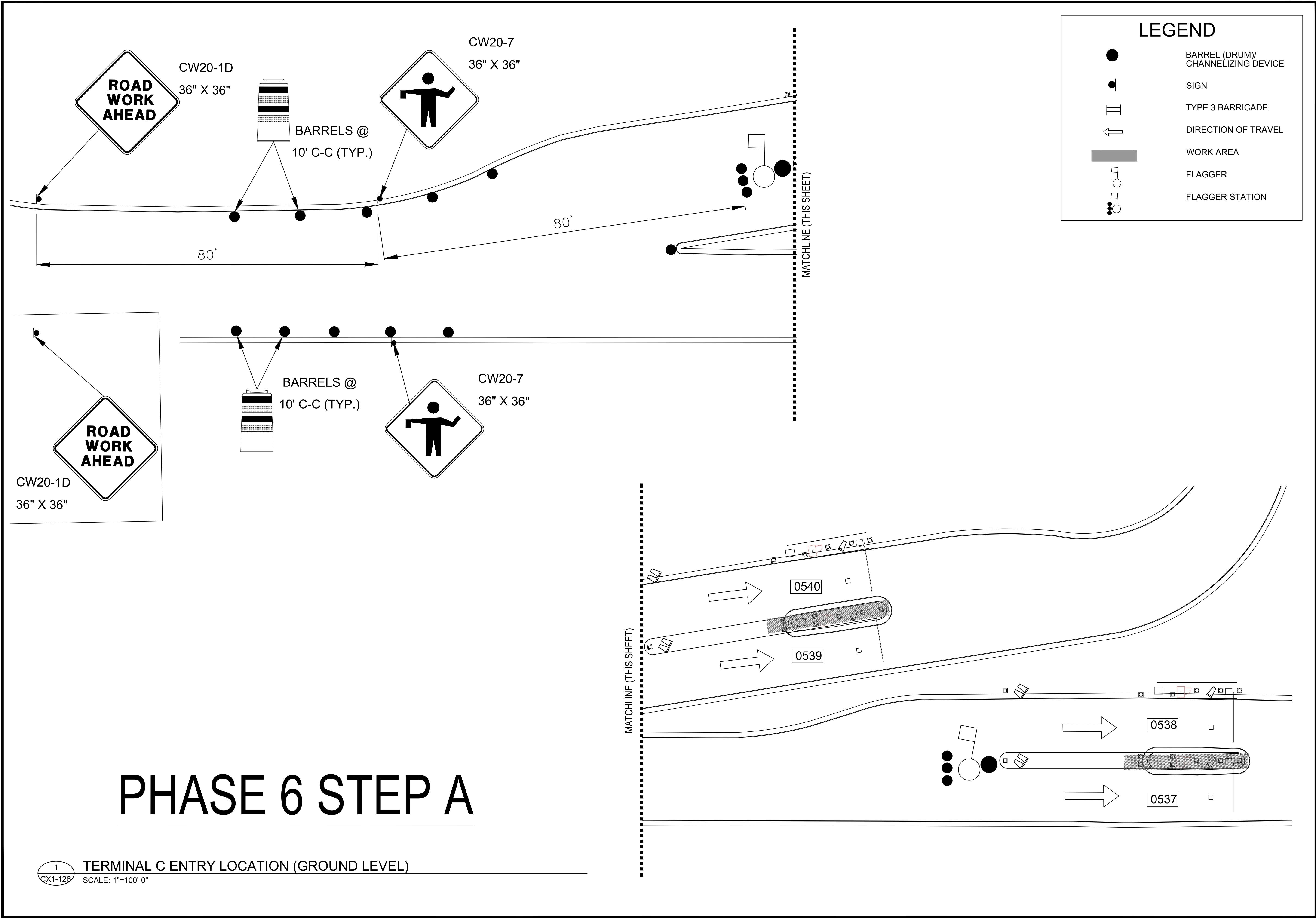
H.A.S. NO. \_\_\_\_\_

**PN HKE-PARCS-2020-003**

SHEET NO. \_\_\_\_\_

TCP-48







HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**

KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLARK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TDD: 281-475-2816  
WWW.KIMLEY-HORN.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020

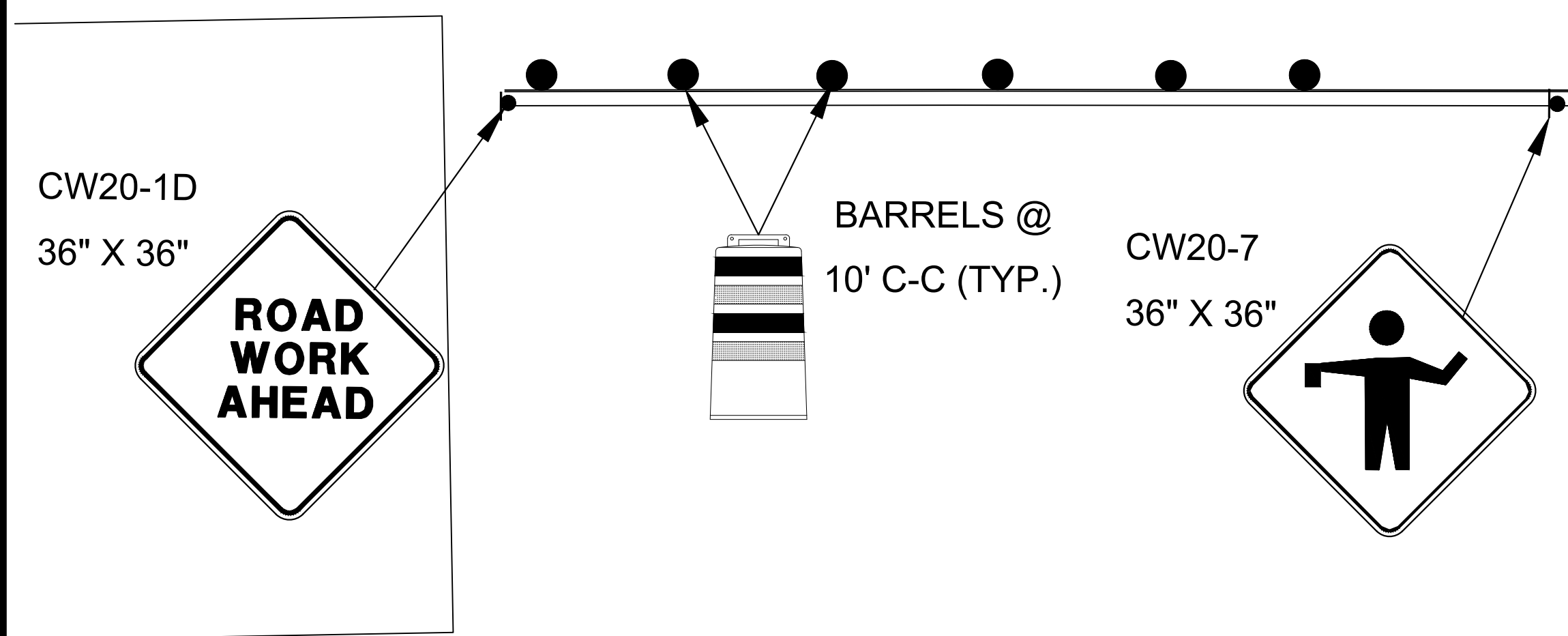
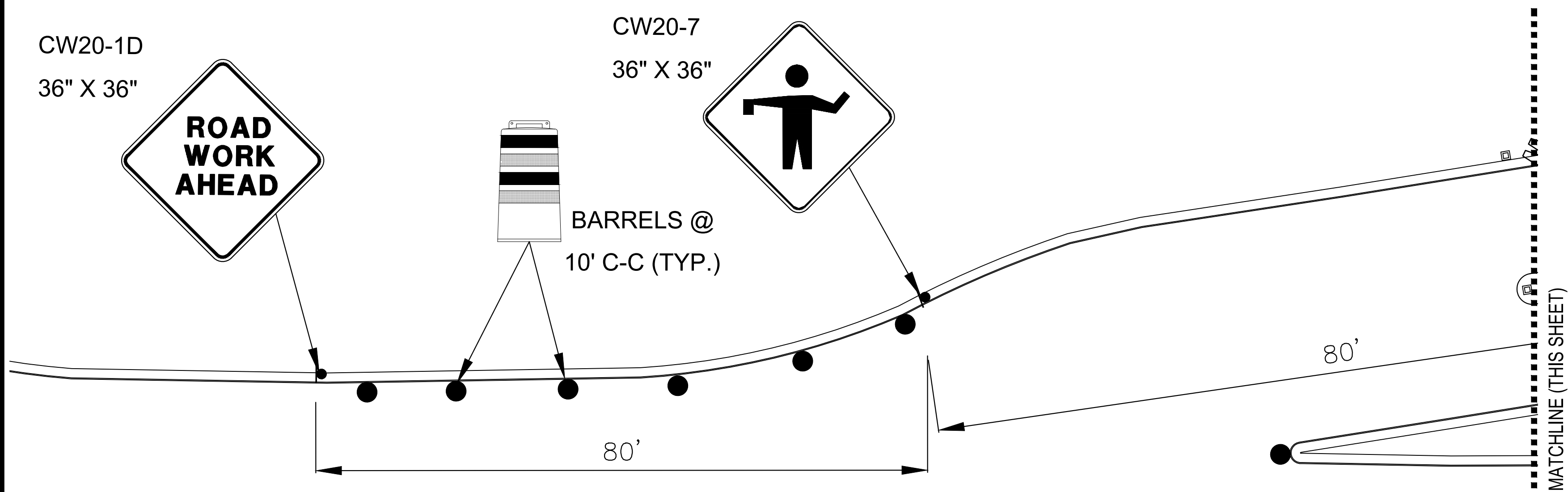


P. MANU ISAAC  
87758  
02/25/2020

APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. <b>067810800</b>	
C.I.P. NO.	
H.A.S. NO.	
<b>PN HKE-PARCS-2020-003</b>	
SHEET NO.	

TCP-49





LEGEND

●

●

II

←

■

□

○

●

BARREL (DRUM)/  
CHANNELIZING DEVICE

SIGN

TYPE 3 BARRICADE

DIRECTION OF TRAVEL

WORK AREA

FLAGGER

FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLICK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TW: 281-475-2816

WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL

SYSTEMS (PARCS) GEORGE BUSH

INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

02/25/2020

APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**

C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**

SHEET NO.

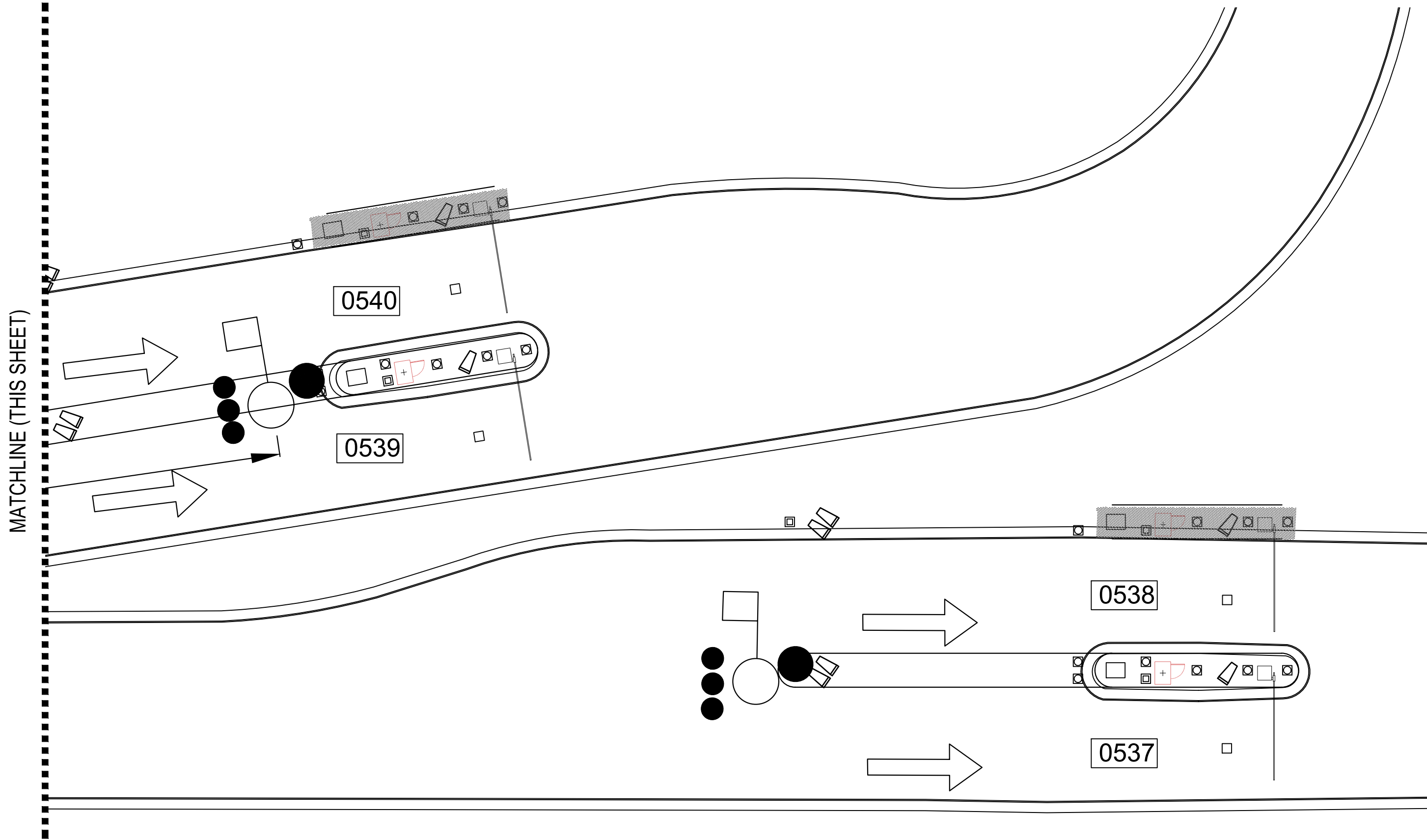
TCP-50

# PHASE 6 STEP B

1  
QX1-126

TERMINAL C ENTRY LOCATION (GROUND LEVEL)

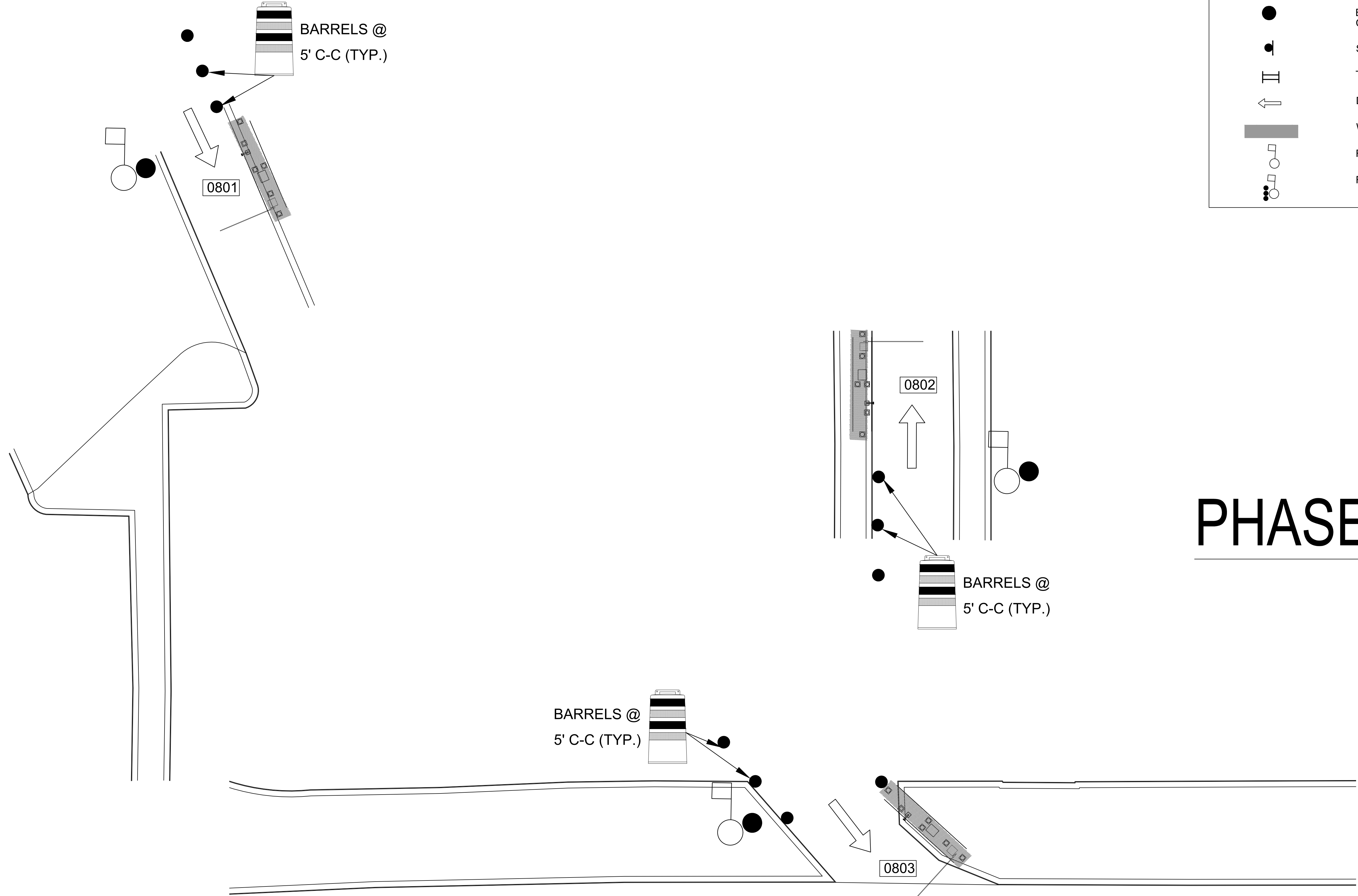
SCALE: 1"=100'-0"











1  
CX1-118

**PARKING LOT 6 ENTRY LOCATION (GROUND LEVEL)**

SCALE: 1"=100'-0"

## LEGEND

- BARREL (DRUM)/  
CHANNELIZING DEVICE
- SIGN
- || TYPE 3 BARRICADE
- DIRECTION OF TRAVEL
- ▬ WORK AREA
- FLAGGER
- FLAGGER STATION

# PHASE 6

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TDD: 281-475-2816  
WWW.KIMLEY-HORN.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**

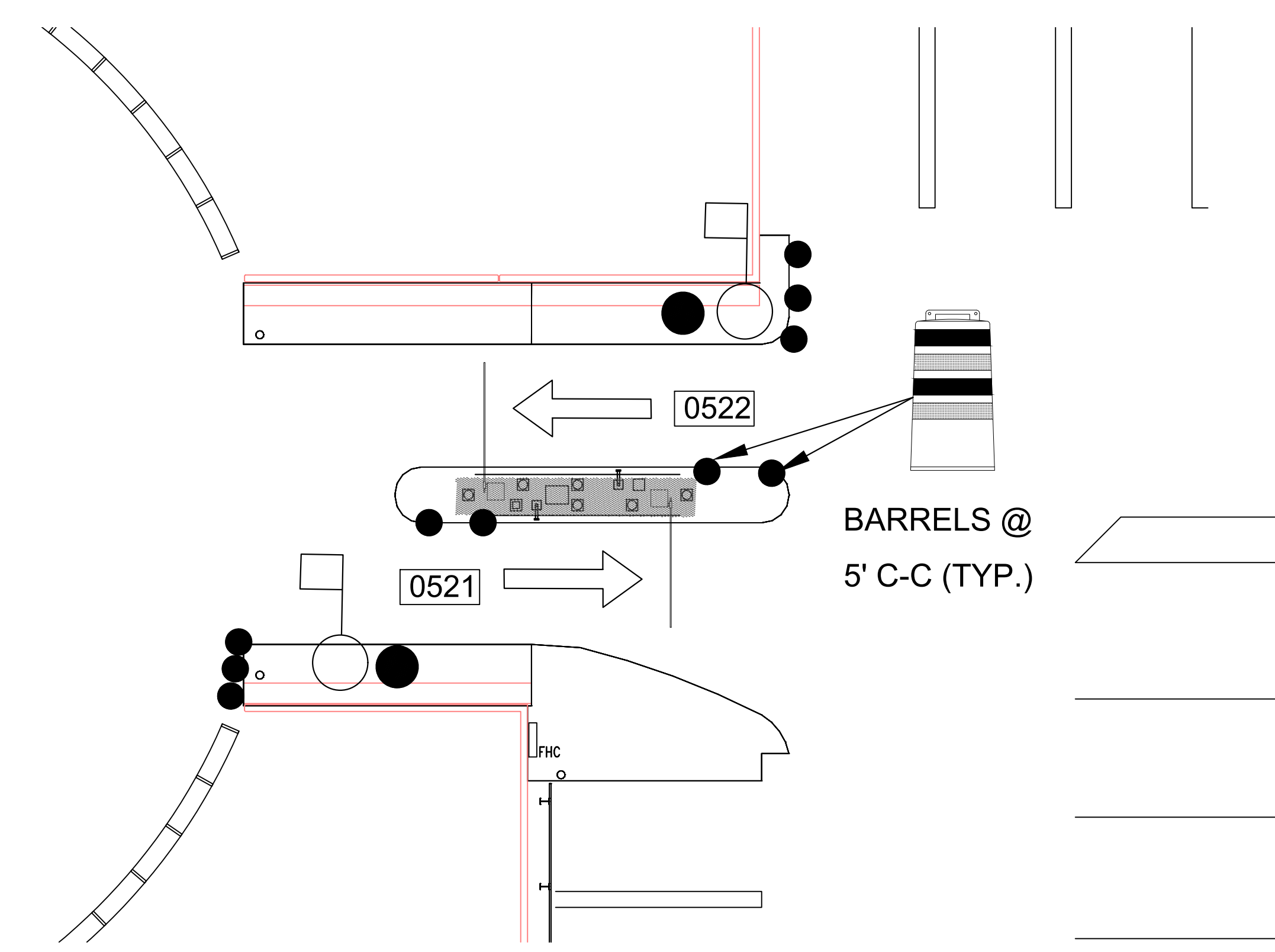
C.I.P. NO.

H.A.S. NO.

**PN HKE-PARCS-2020-003**

SHEET NO.

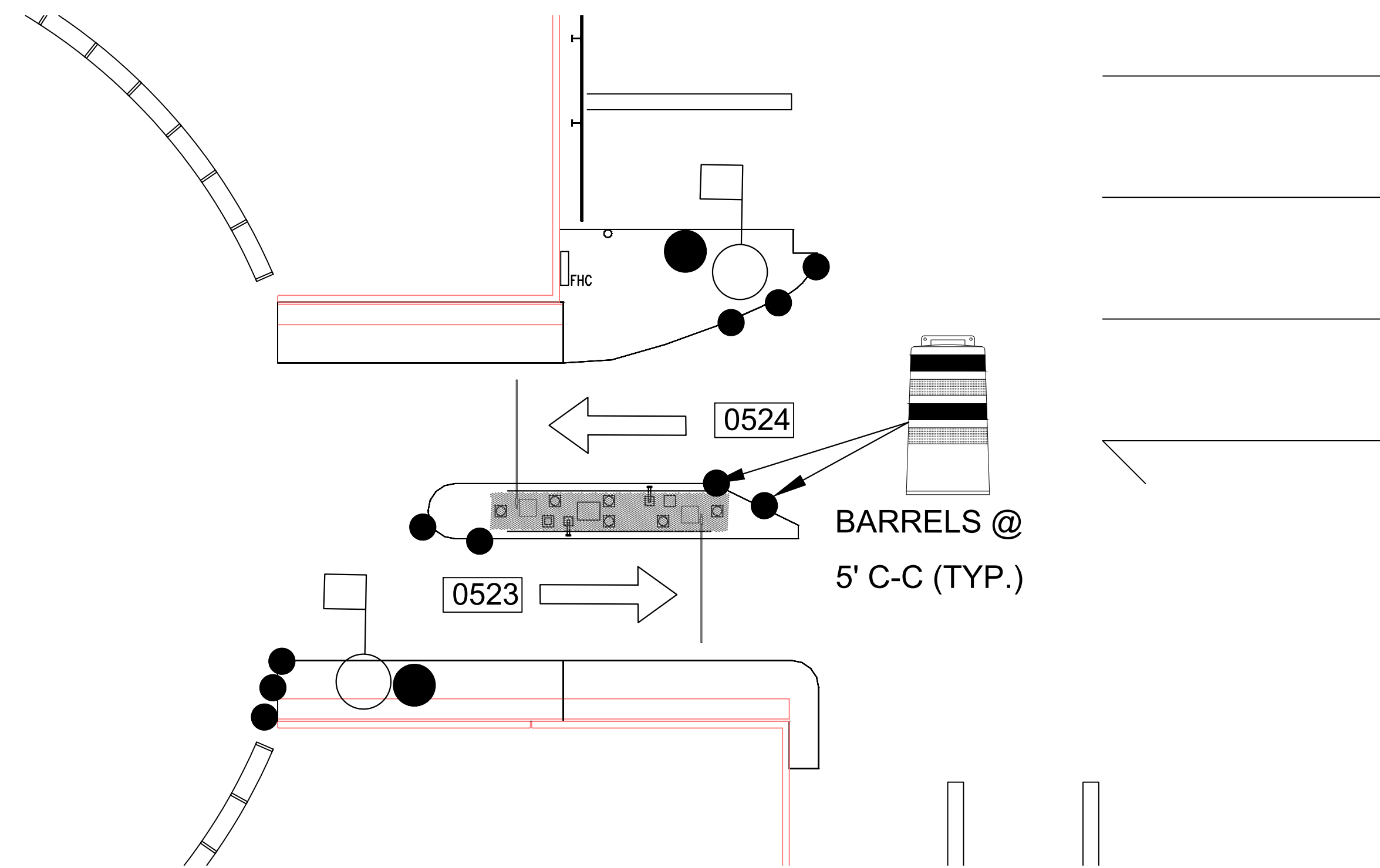




2  
CX1-120

TERMINAL C CONTRACT ENTRY/EXIT LOCATION (LEVEL 2)

SCALE: 1"=100'-0"



1  
CX1-120

TERMINAL C CONTRACT ENTRY/EXIT LOCATION (LEVEL 2)

SCALE: 1"=100'-0"

LEGEND

●

BARREL (DRUM)/  
CHANNELIZING DEVICE

■

SIGN

⌚

TYPE 3 BARRICADE

→

DIRECTION OF TRAVEL

▬

WORK AREA

◻

FLAGGER

◻

FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLICK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TW: 281-475-2816

WWW.KIMLEY-HORN.COM

REVISIONS		
NO.	DESCRIPTION	DATE

PARKING ACCESS AND REVENUE CONTROL

SYSTEMS (PARCS) GEORGE BUSH

INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

02/25/2020

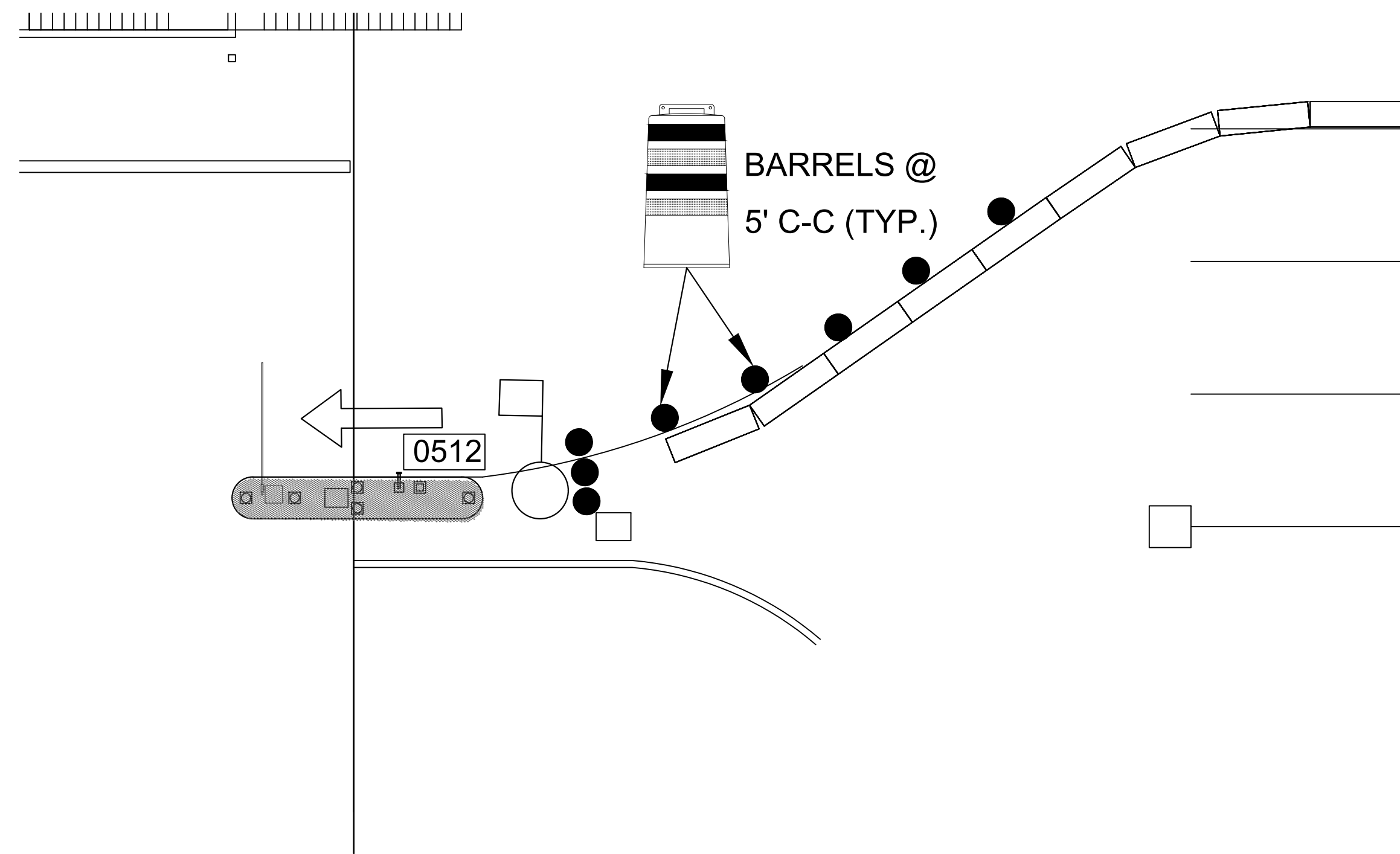
APPROVED BY:	DATE:
DIRECTOR	HOUSTON AIRPORT SYSTEM
PROJECT NO.	067810800
C.I.P. NO.	
H.A.S. NO.	PN HKE-PARCS-2020-003
SHEET NO.	TCP-53

PHASE 6





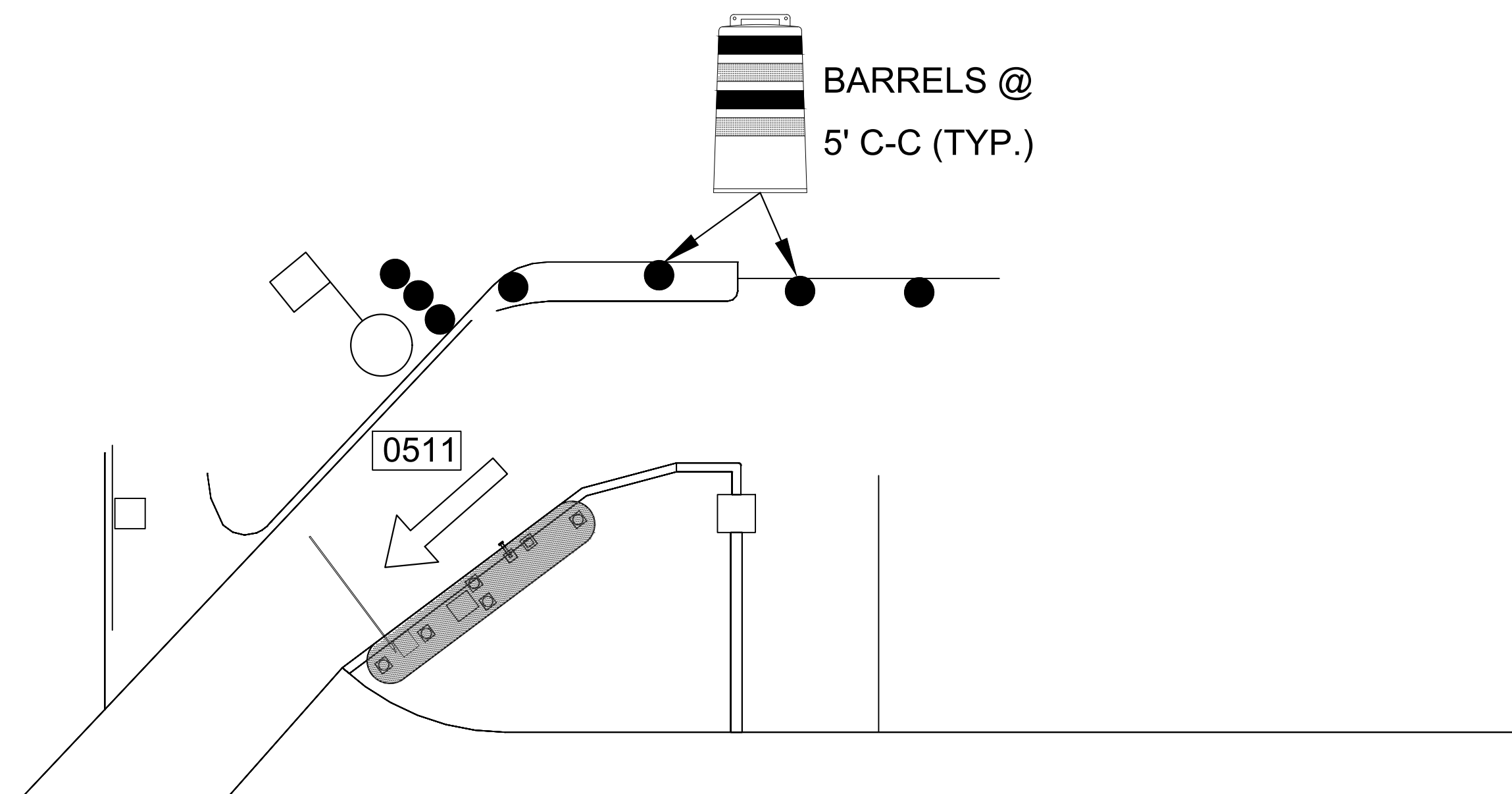




2  
CX1-125

TERMINAL C UA EXECUTIVE EXIT LOCATION (GROUND LEVEL)

SCALE: 1"=100'-0"







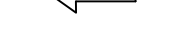


1  
CX1-125

TERMINAL C UA EXECUTIVE EXIT LOCATION (GROUND LEVEL)

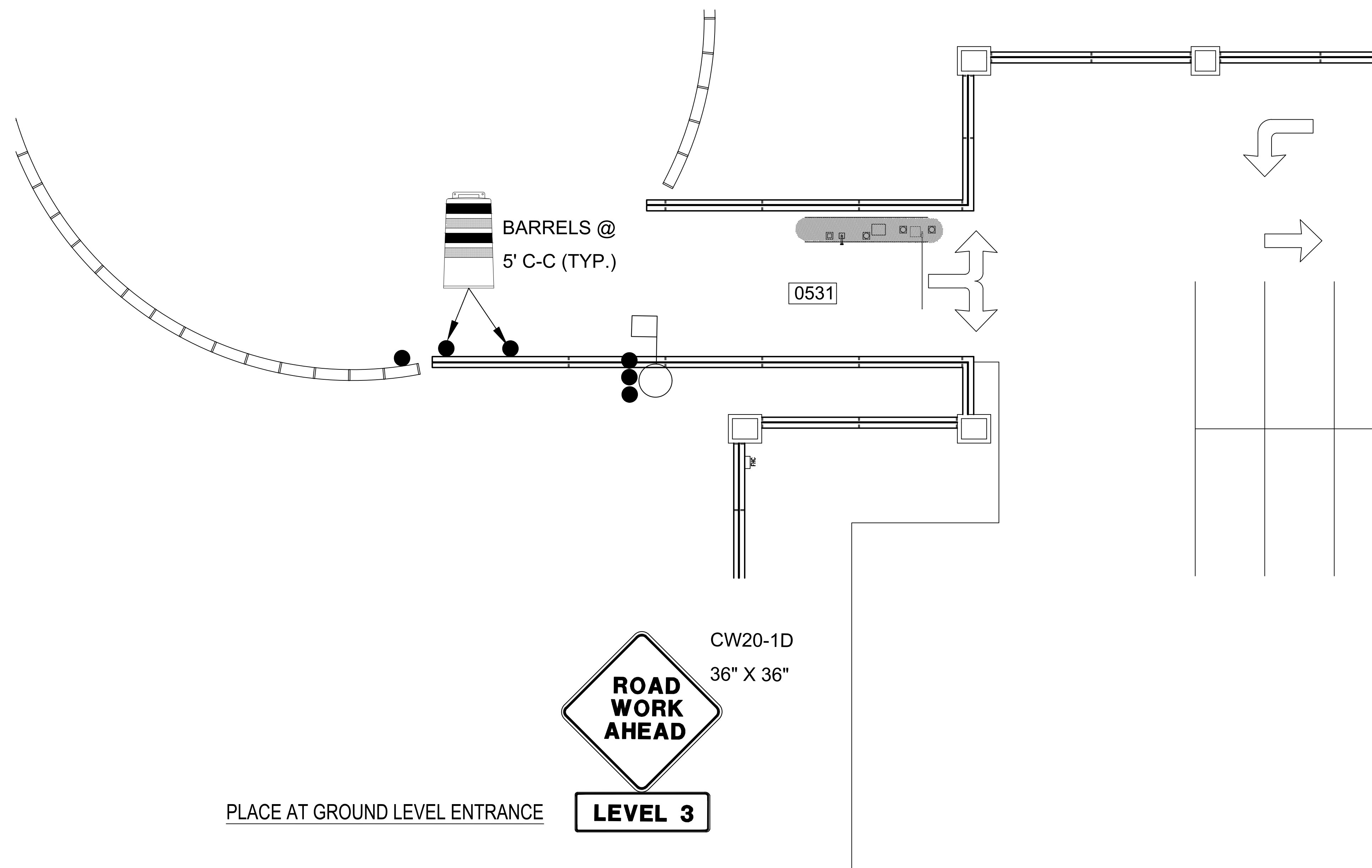
SCALE: 1"=100'-0"

# PHASE 6

## LEGEND

- |   |                                       |
|---|---------------------------------------|
|  | BARREL (DRUM)/<br>CHANNELIZING DEVICE |
|  | SIGN                                  |
|  | TYPE 3 BARRICADE                      |
|  | DIRECTION OF TRAVEL                   |
|  | WORK AREA                             |
|  | FLAGGER                               |
|  | FLAGGER STATION                       |





PLACE AT GROUND LEVEL ENTRANCE

1  
CX1-123

TERMINAL C SUREPARK ENTRY LOCATION (LEVEL 3)

SCALE: 1"=100'-0"

### TERMINAL C SUREPARK ENTRY LOCATION (LEVEL 3)

### LEVEL 3

CW20-1D  
36" X 36"

BARRELS @  
5' C-C (TYP.)

0531

# PHASE 6

## LEGEND

BARREL (DRUM)/  
CHANNELIZING DEVICE

SIGN

### TYPE 3 BARRICADE

DIRECTION OF TRAVEL

WORK AREA

FLAGGER

FLAGGER STATION



## HOUSTON AIRPORT SYSTEM

---

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON TEXAS

**Kimley»Horn**

KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLOCH FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TEPE FIRM REGISTRATION F-628  
WWW.KIMLEY-HORN.COM

## REVISIONS

NO.	DESCRIPTION	DATE	BY
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**PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)**

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## **TRAFFIC CONTROL PLAN**

PROJECT MGR: CDR

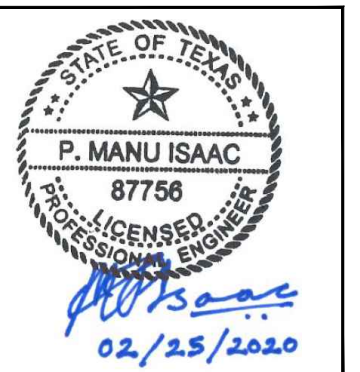
DESIGNER: IMR

DRAWN BY: KHA

CHECKED BY: MI

SCALE: NTS

DATE: 02/25/2020



APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO. \_\_\_\_\_

067810800

C.I.P. NO. \_\_\_\_\_

H.A.S. NO. \_\_\_\_\_

PN HKE-PARCS-2020-003

SHEET NO. \_\_\_\_\_

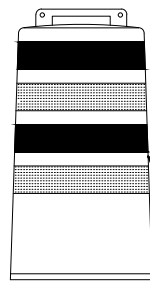
CP-56



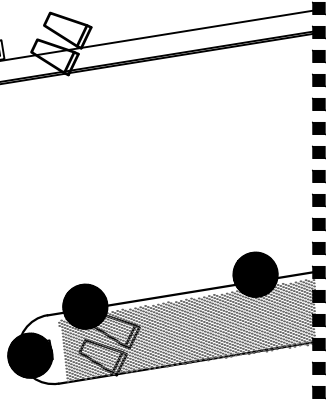


CW20-1D  
36" X 36"

BARRELS @  
10' C-C (TYP.)



80'



MATCHLINE (THIS SHEET)



CW20-1D  
36" X 36"



CW20-5D(MOD)  
36" X 36"

10'

MATCHLINE (THIS SHEET)

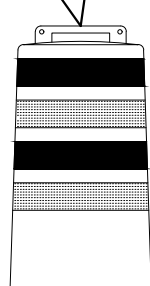
0540

0539

0538

0537

BARRELS @  
10' C-C (TYP.)



CW20-5D(MOD)  
36" X 36"

## LEGEND

- BARREL (DRUM)/ CHANNELIZING DEVICE
- SIGN
- II TYPE 3 BARRICADE
- ← DIRECTION OF TRAVEL
- WORK AREA
- FLAGGER
- FLAGGER STATION

# PHASE 7 STEP A

1  
QX1-126

TERMINAL C ENTRY LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**

KIMLEY-HORN AND ASSOCIATES, INC.  
1405 WOODLARK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TDD: 281-475-2816  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**

C.I.P. NO.

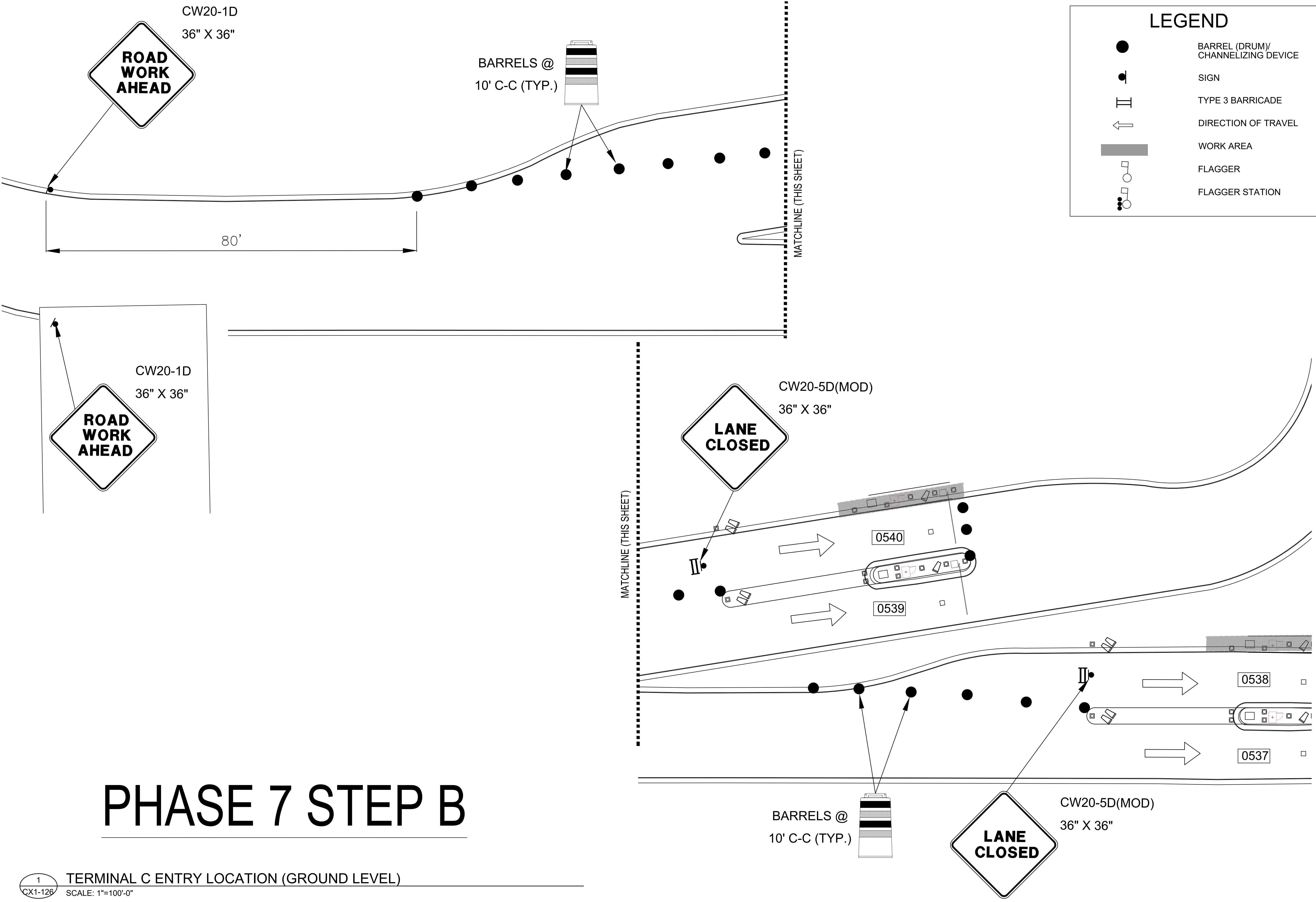
H.A.S. NO.

PN HKE-PARCS-2020-003

SHEET NO.

TCP-57







HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL AIRPORT/HOUSTON

TEXAS

**Kimley»Horn**

Kimley-Horn and Associates, Inc.

1400 Woodloch Forest Drive, Suite 225

The Woodlands, TX 77380

Phone: 281-475-2816

Toll Free: 800-451-7000

www.kimley-horn.com

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL SYSTEMS (PARCS) GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN


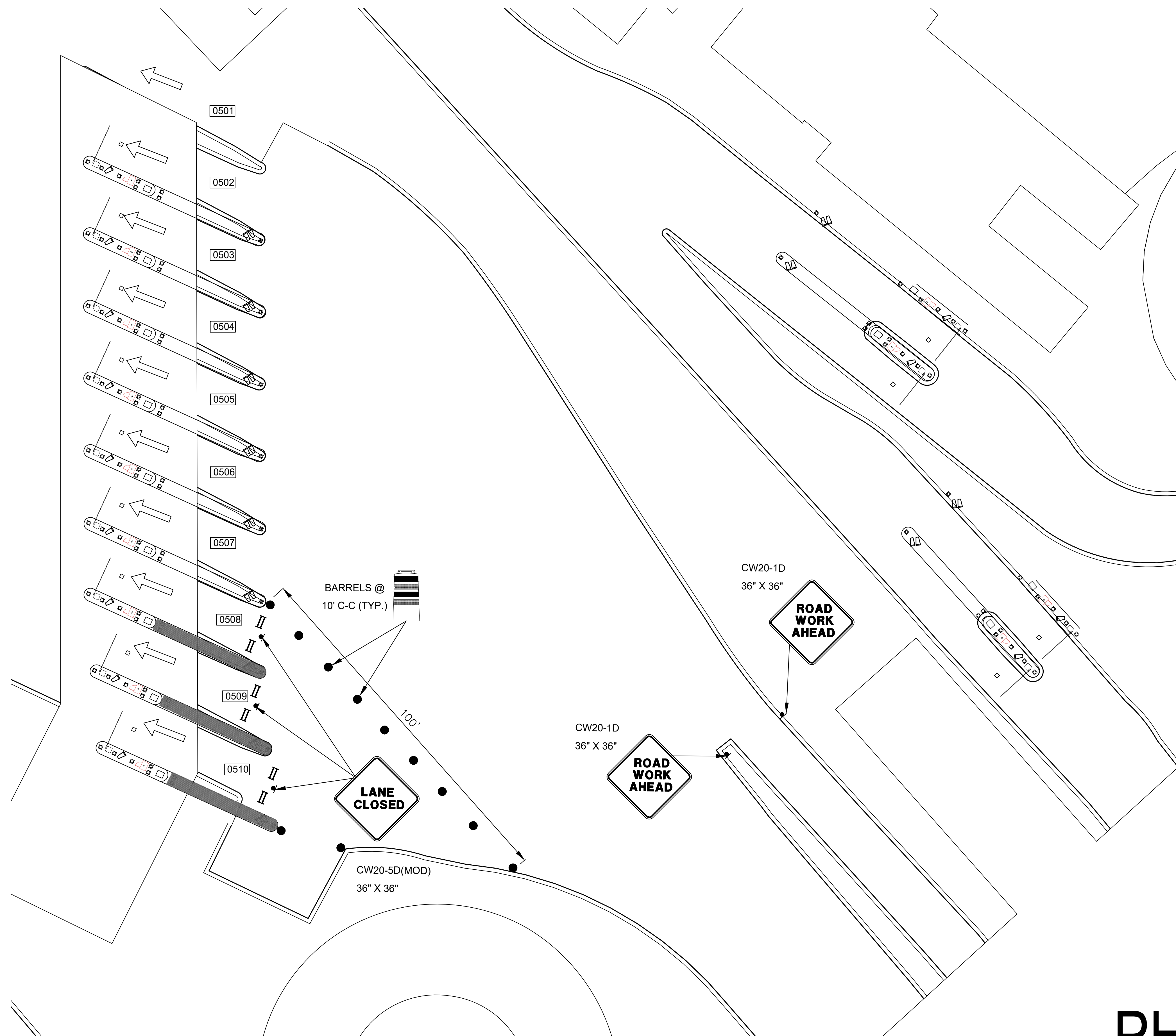
PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020

APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. <b>067810800</b>	
C.I.P. NO.	
H.A.S. NO.	
<b>PN HKE-PARCS-2020-003</b>	
SHEET NO.	

TCP-58

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**HOUSTON AIRPORT SYSTEM**  
**GEORGE BUSH INTERCONTINENTAL**  
**AIRPORT/HOUSTON TEXAS**

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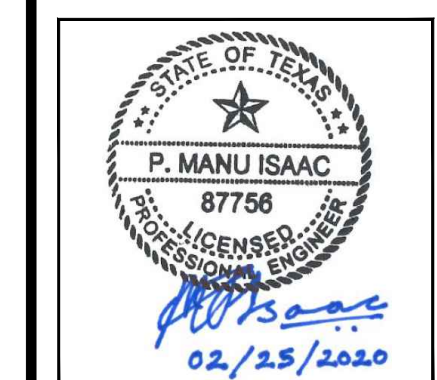
**Kimley»Horn**

KIMLEY+HORN AND ASSOCIATES, INC.  
1400 WOODLICH FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2818  
FAX: 281-475-2818  
WWW.KIMLEY+HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

# PARKING ACCESS AND REVENUE CONTROL SYSTEMS (PARCS) GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.








TCP-59

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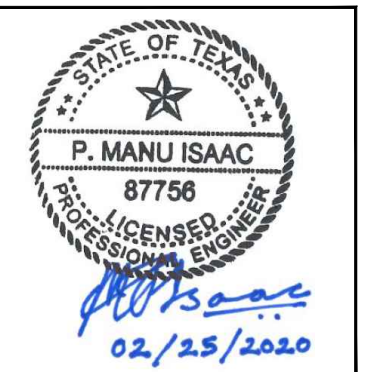
## LEGEND

- |   |                                       |
|---|---------------------------------------|
|  | BARREL (DRUM)/<br>CHANNELIZING DEVICE |
|  | SIGN                                  |
|  | TYPE 3 BARRICADE                      |
|  | DIRECTION OF TRAVEL                   |
|  | WORK AREA                             |
|  | FLAGGER                               |
|  | FLAGGER STATION                       |

REVISIONS		
NO.	DESCRIPTION	DATE

## TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
I.P. NO.

A.S. NO.  
N HKE-PARCS-2020-003  
HEET NO.

TCP-60

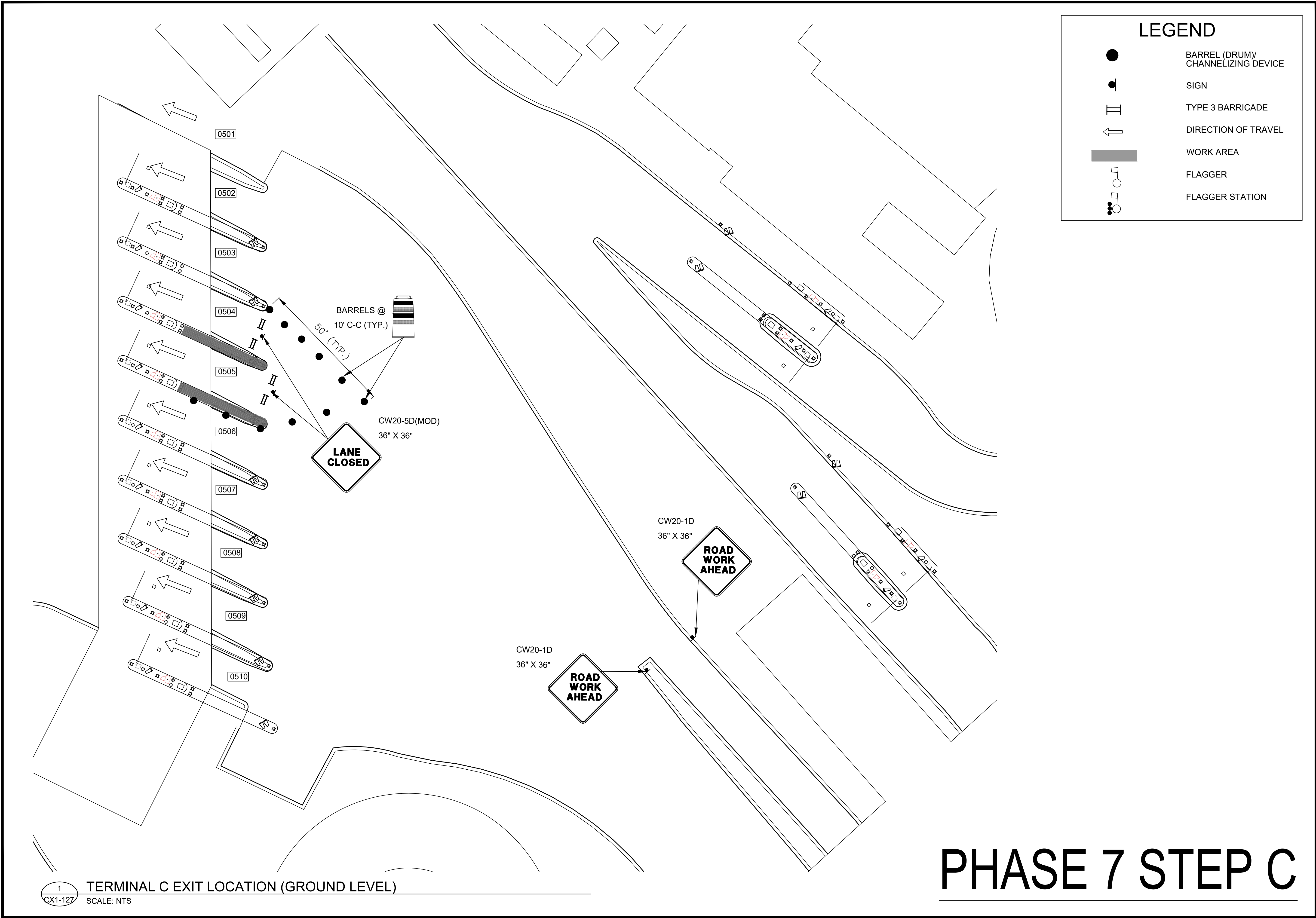
# PHASE 7 STEP B

1  
CX1-127

TERMINAL C EXIT LOCATION (GROUND LEVEL)

SCALE: NTS







HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTONTEXAS

**Kimley»Horn**

Kimley-Horn and Associates, Inc.  
1400 Woodloch Forest Drive, Suite 225  
The Woodlands, TX 77380  
Phone: 281-475-2816  
Toll Free: 800-451-7222  
www.kimley-horn.com

REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR:CDR  
DESIGNER:IMR  
DRAWN BY:KHA  
CHECKED BY:MI  
SCALE:NTS  
DATE:02/25/2020

STATE OF TEXAS



P. MANU ISAAC  
87758  
LICENSED PROFESSIONAL ENGINEER  
02/25/2020

APPROVED BY:DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800

C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003

SHEET NO.

TCP-61

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1  
CX1-127

TERMINAL C EXIT LOCATION (GROUND LEVEL)  
SCALE: NTS

LEGEND

●

BARREL (DRUM)/  
CHANNELIZING DEVICE

●

SIGN

II

TYPE 3 BARRICADE

↑

DIRECTION OF TRAVEL

■

WORK AREA

□

FLAGGER

●

FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLICK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TWISTED PINE RECREATION 2-033

WWW.KIMLEY-HORN.COM

REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR: CDR

DESIGNER: IMR

DRAWN BY: KHA

CHECKED BY: MI

SCALE: NTS

DATE: 02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

02/25/2020

APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800

C.I.P. NO.

H.A.S. NO.

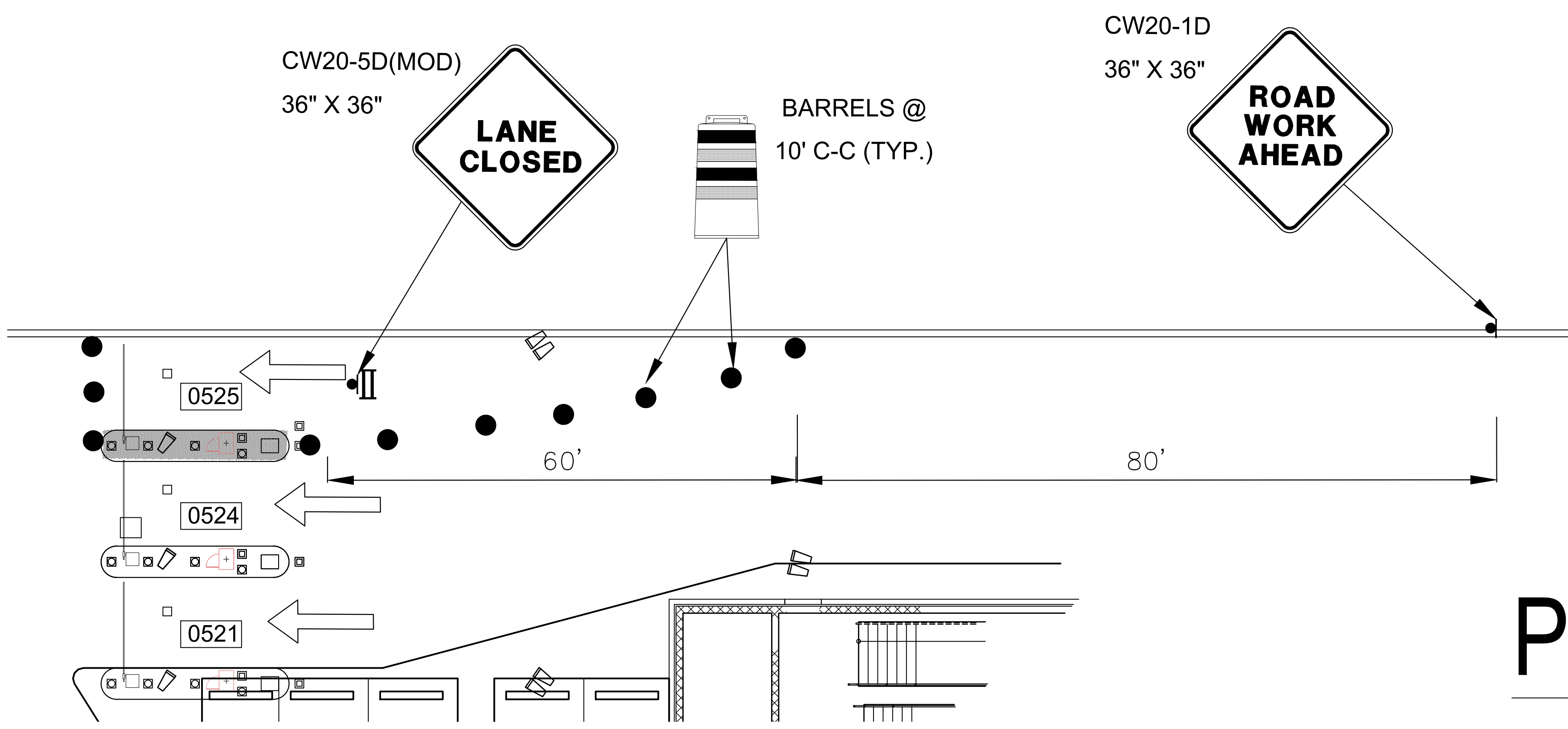
PN HKE-PARCS-2020-003

SHEET NO.

TCP-62

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# PHASE 7 STEP A

LEGEND

●

BARREL (DRUM)/  
CHANNELIZING DEVICE

●

SIGN

||

TYPE 3 BARRICADE

←

DIRECTION OF TRAVEL

■

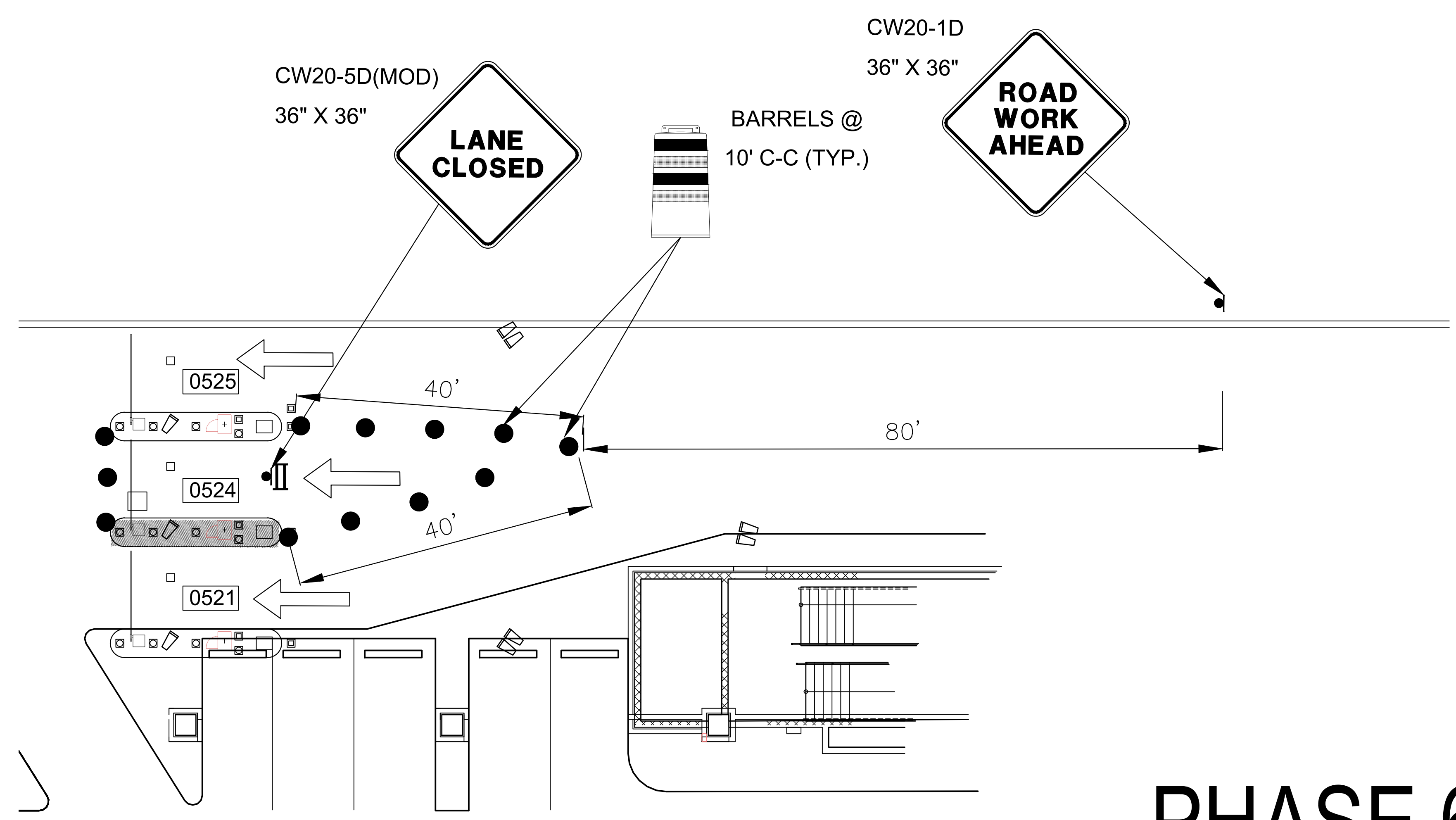
WORK AREA

○

FLAGGER

○

FLAGGER STATION



# PHASE 6 STEP B

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLARK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TWIST: 281-475-2816

WWW.KIMLEY-HORN.COM

REVISIONS

NO. DESCRIPTION DATE BY

PARKING ACCESS AND REVENUE CONTROL

SYSTEMS (PARCS) GEORGE BUSH

INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR: CDR

DESIGNER: IMR

DRAWN BY: KHA

CHECKED BY: MI

SCALE: NTS

DATE: 02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

02/25/2020

APPROVED BY: DATE:

DIRECTOR

HOUSTON AIRPORT SYSTEM

PROJECT NO.

067810800

C.I.P. NO.

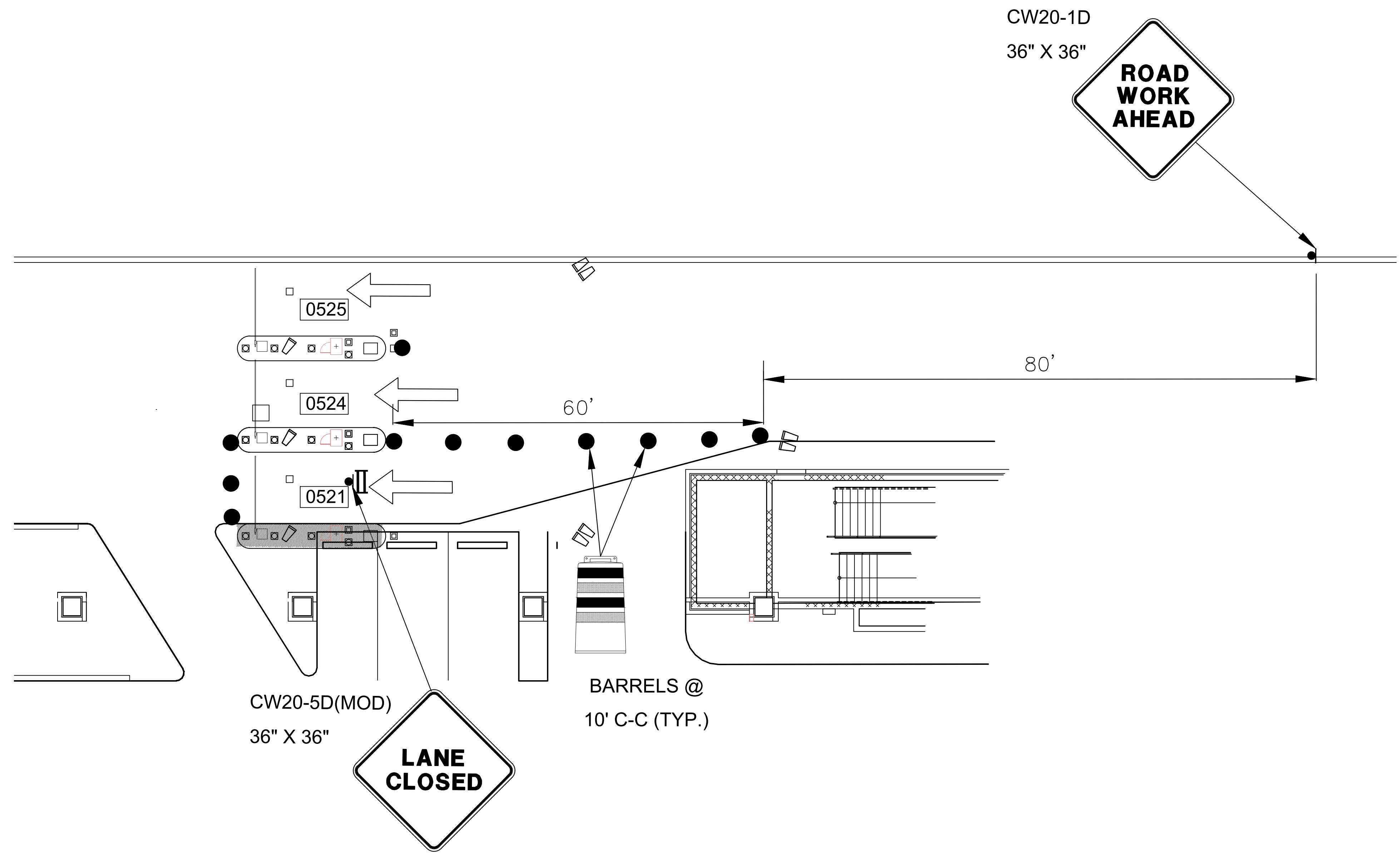
H.A.S. NO.

PN HKE-PARCS-2020-003

SHEET NO.

TCP-63





LEGEND

●

BARREL (DRUM)/  
CHANNELIZING DEVICE

●

SIGN

||

TYPE 3 BARRICADE

←

DIRECTION OF TRAVEL

■

WORK AREA

□

FLAGGER

●

FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLICK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TWIST: 281-475-2816

WWW.KIMLEY-HORN.COM

REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL

SYSTEMS (PARCS) GEORGE BUSH

INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR: CDR

DESIGNER: IMR

DRAWN BY: KHA

CHECKED BY: MI

SCALE: NTS

DATE: 02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

02/25/2020

APPROVED BY:

DATE:

DIRECTOR

HOUSTON AIRPORT SYSTEM

PROJECT NO.

067810800

C.I.P. NO.

H.A.S. NO.

PN HKE-PARCS-2020-003

SHEET NO.

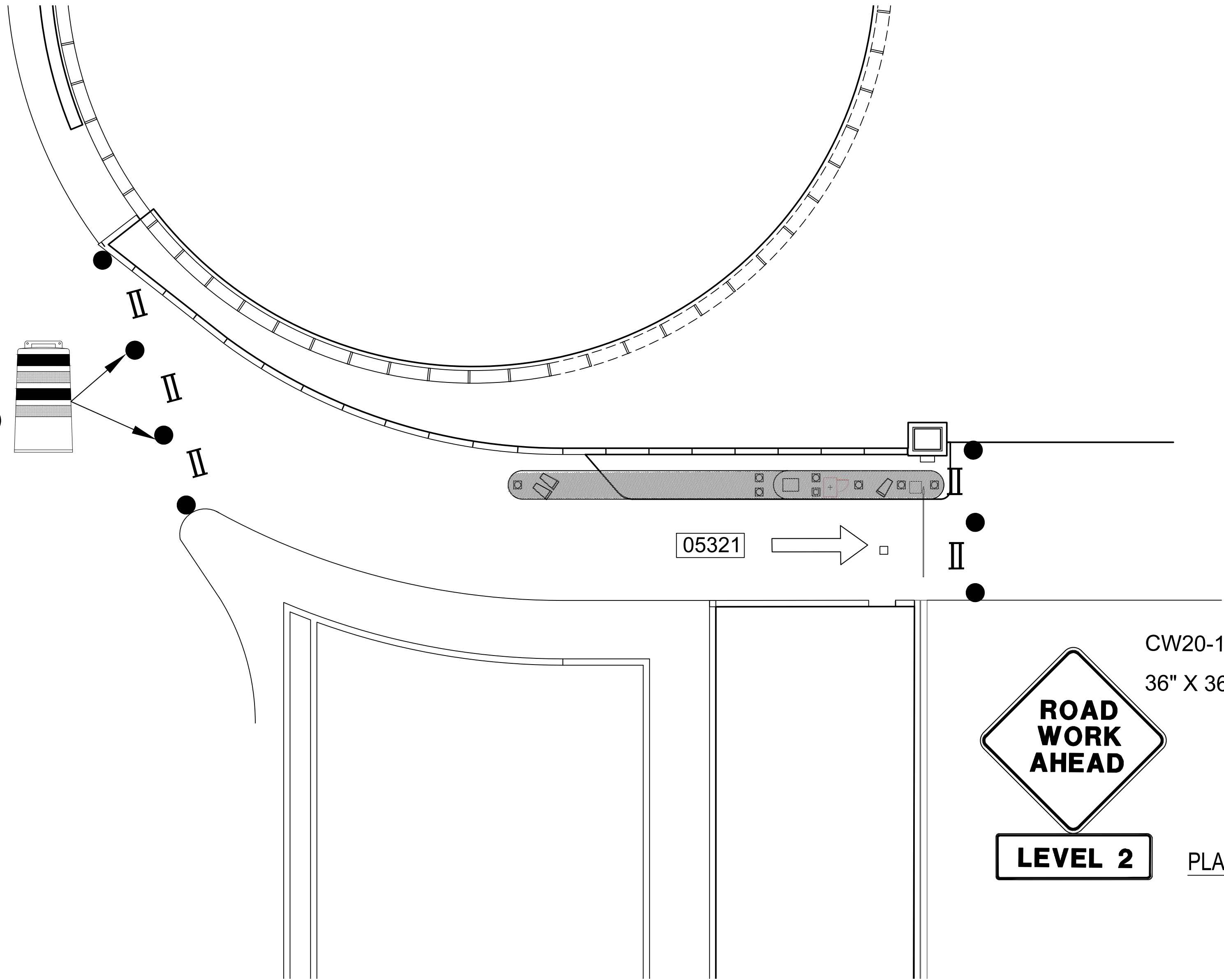
TCP-64

PHASE 7 STEP C

C:\Users\Iman.Rahim\appdata\local\temp\AcPublish\_17032\IAH TCP.dwg Feb 26, 2020 9:46am



BARRELS @  
10' C-C (TYP.)



1  
CX1-131

1  
SCALE: 1"=100'-0"

1  
TERMINAL C OVERSIZE VEHICLE ENTRY LOCATION (LEVEL 2)

# PHASE 7

## LEGEND

- BARREL (DRUM)/ CHANNELIZING DEVICE
- SIGN
- II TYPE 3 BARRICADE
- ↑ DIRECTION OF TRAVEL
- WORK AREA
- FLAGGER
- FLAGGER STATION

REVISIONS		
NO.	DESCRIPTION	DATE

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY: DATE:

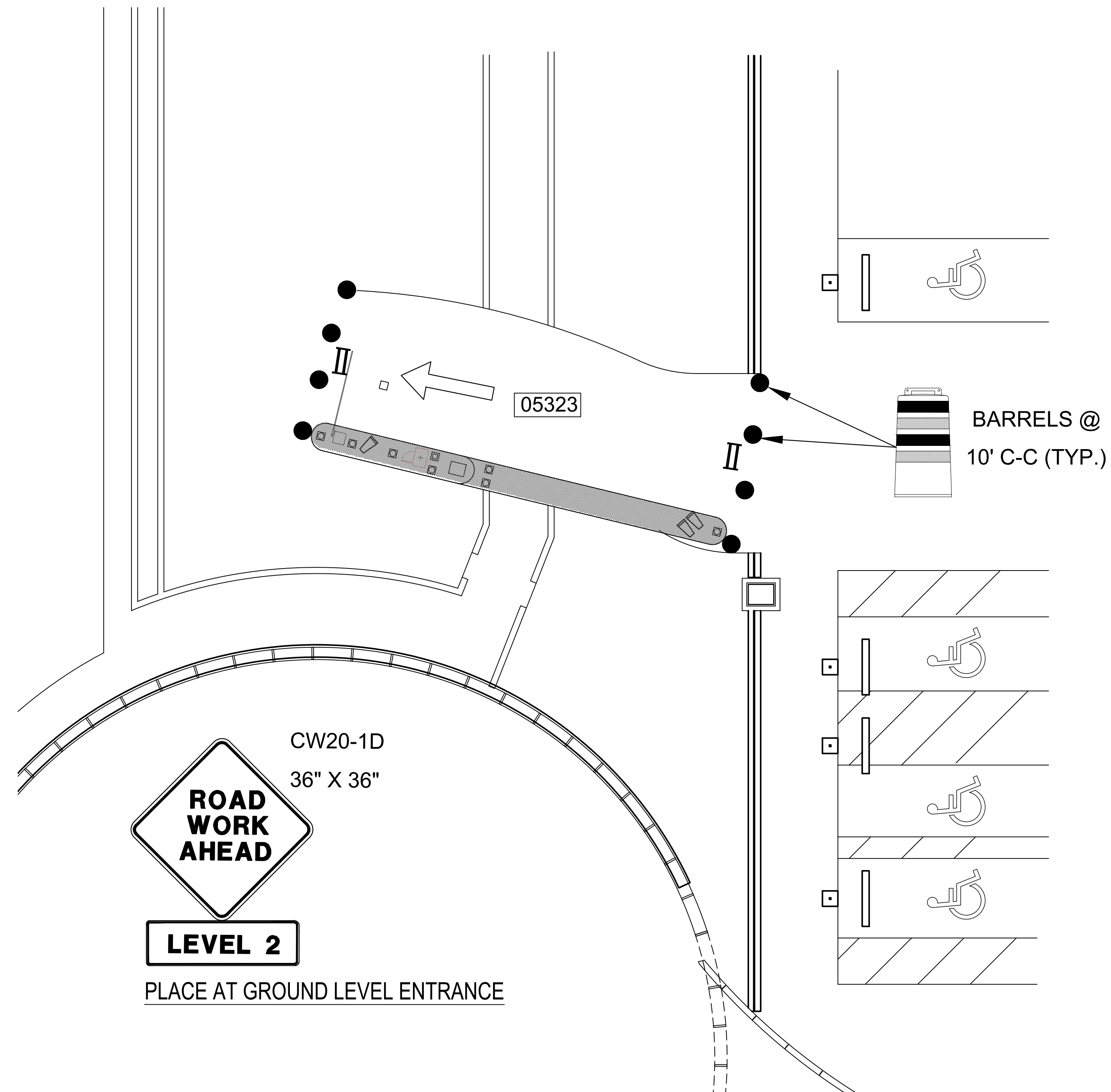
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.





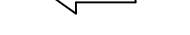


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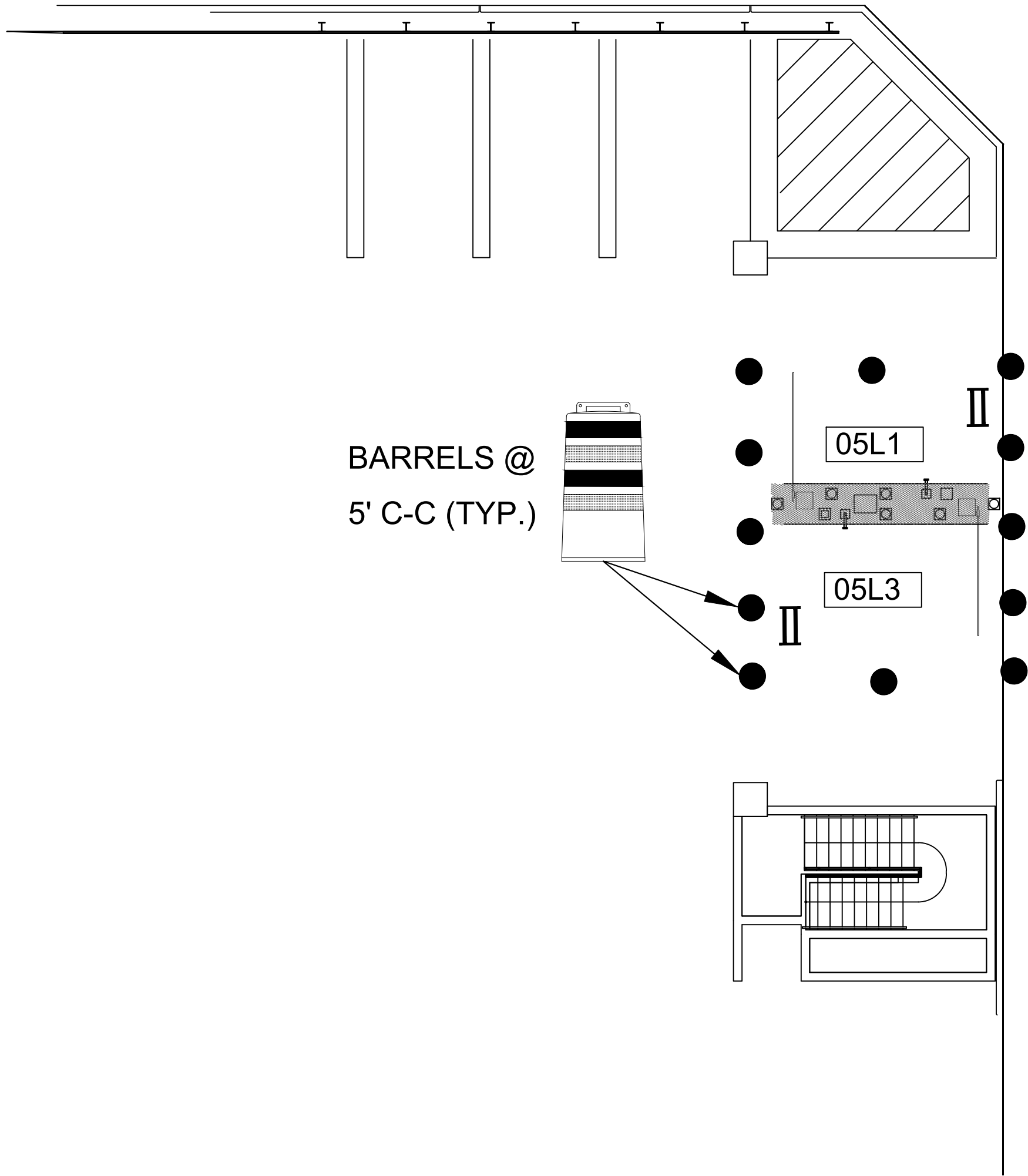


# PHASE 7

## LEGEND

- |   |                                       |
|---|---------------------------------------|
|  | BARREL (DRUM)/<br>CHANNELIZING DEVICE |
|  | SIGN                                  |
|  | TYPE 3 BARRICADE                      |
|  | DIRECTION OF TRAVEL                   |
|  | WORK AREA                             |
|  | FLAGGER                               |
|  | FLAGGER STATION                       |





1  
CX1-122

TERMINAL C LIMO ENTRY/EXIT LOCATION (LEVEL 1)  
SCALE: 1"=100'-0"

PHASE 7



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTONTEXAS



KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TDD: 281-475-2816  
WWW.KIMLEY-HORN.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.

TCP-67







REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



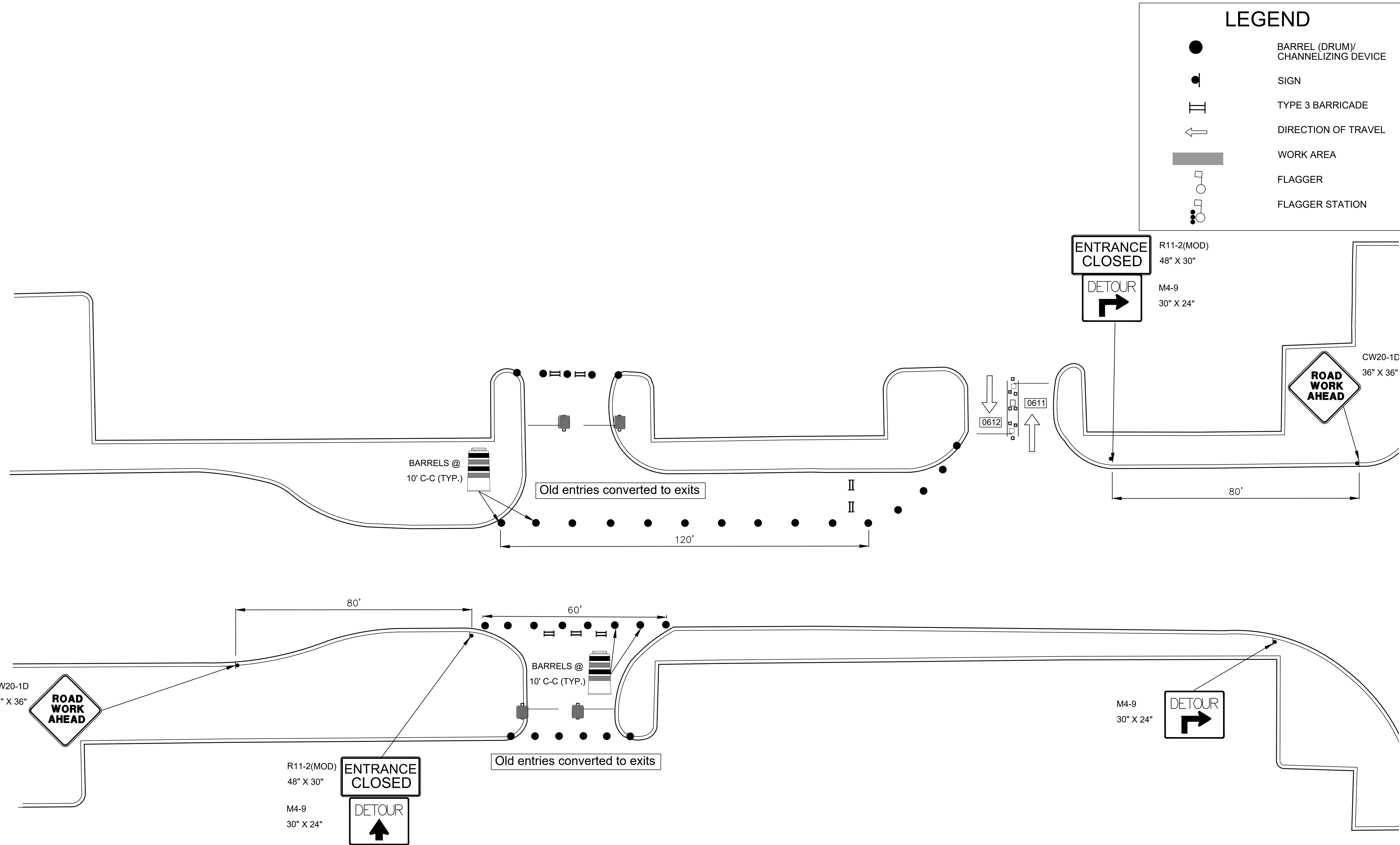
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

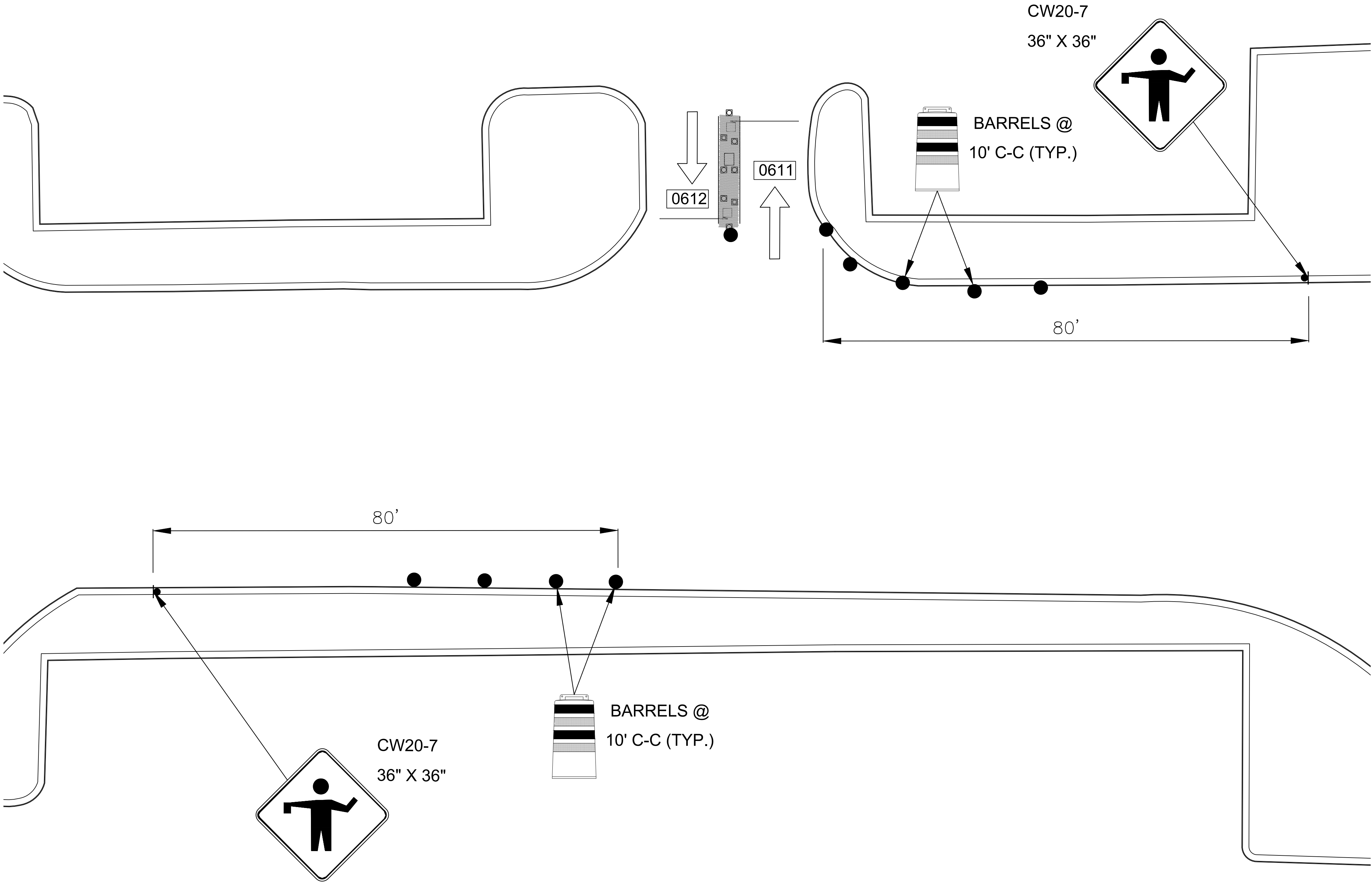
TCP-69



1 JFK ECOPARK COVERED EXIT LOCATION (GROUND LEVEL)  
CX1-137 SCALE: 1"=100'-0"

PHASE 8







HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**

KIMLEY-HORN AND ASSOCIATES, INC.  
1405 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TOLL FREE: 800-451-7222  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**

C.I.P. NO. \_\_\_\_\_

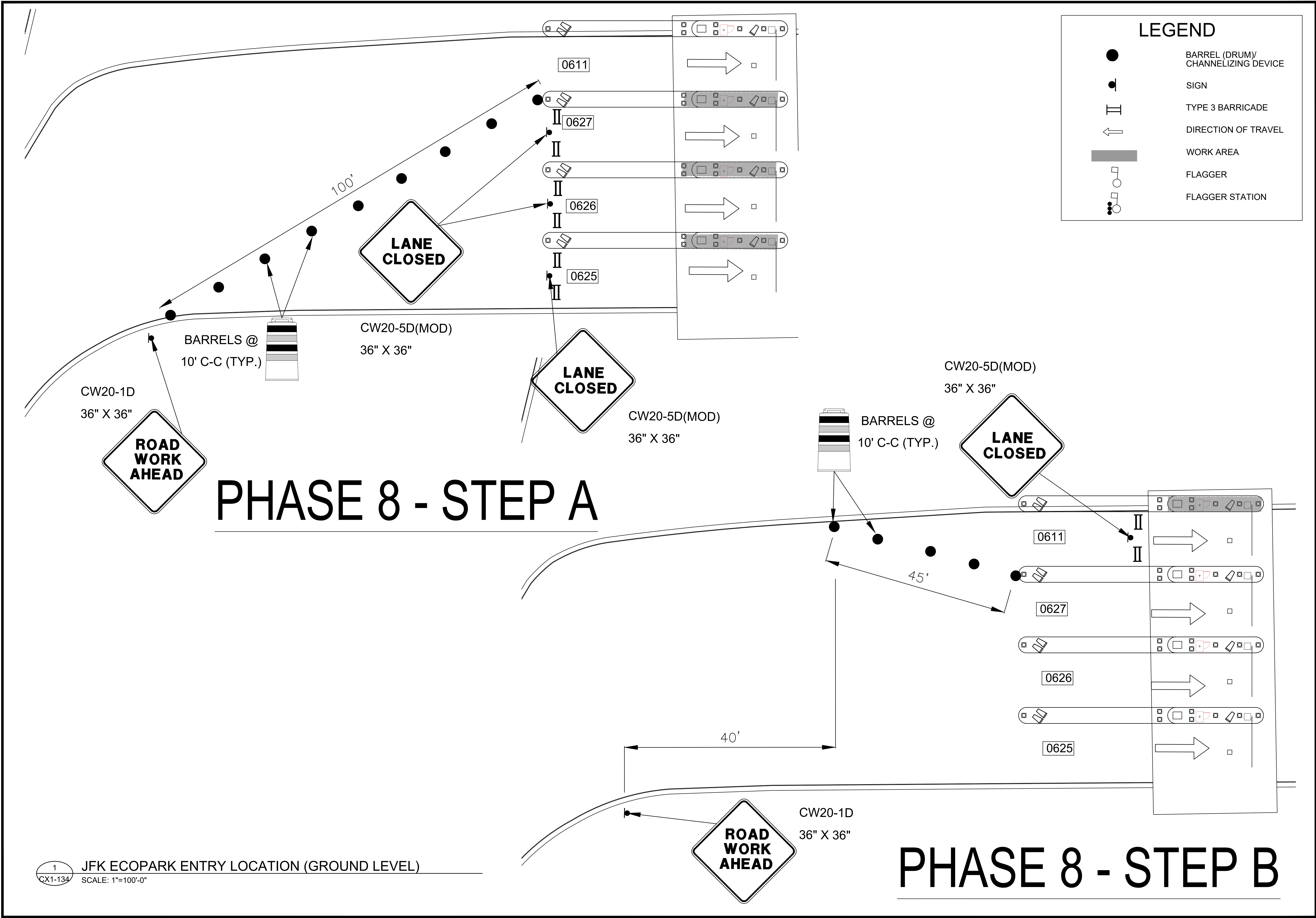
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**PN HKE-PARCS-2020-003**

SHEET NO. \_\_\_\_\_

**TCP-70**

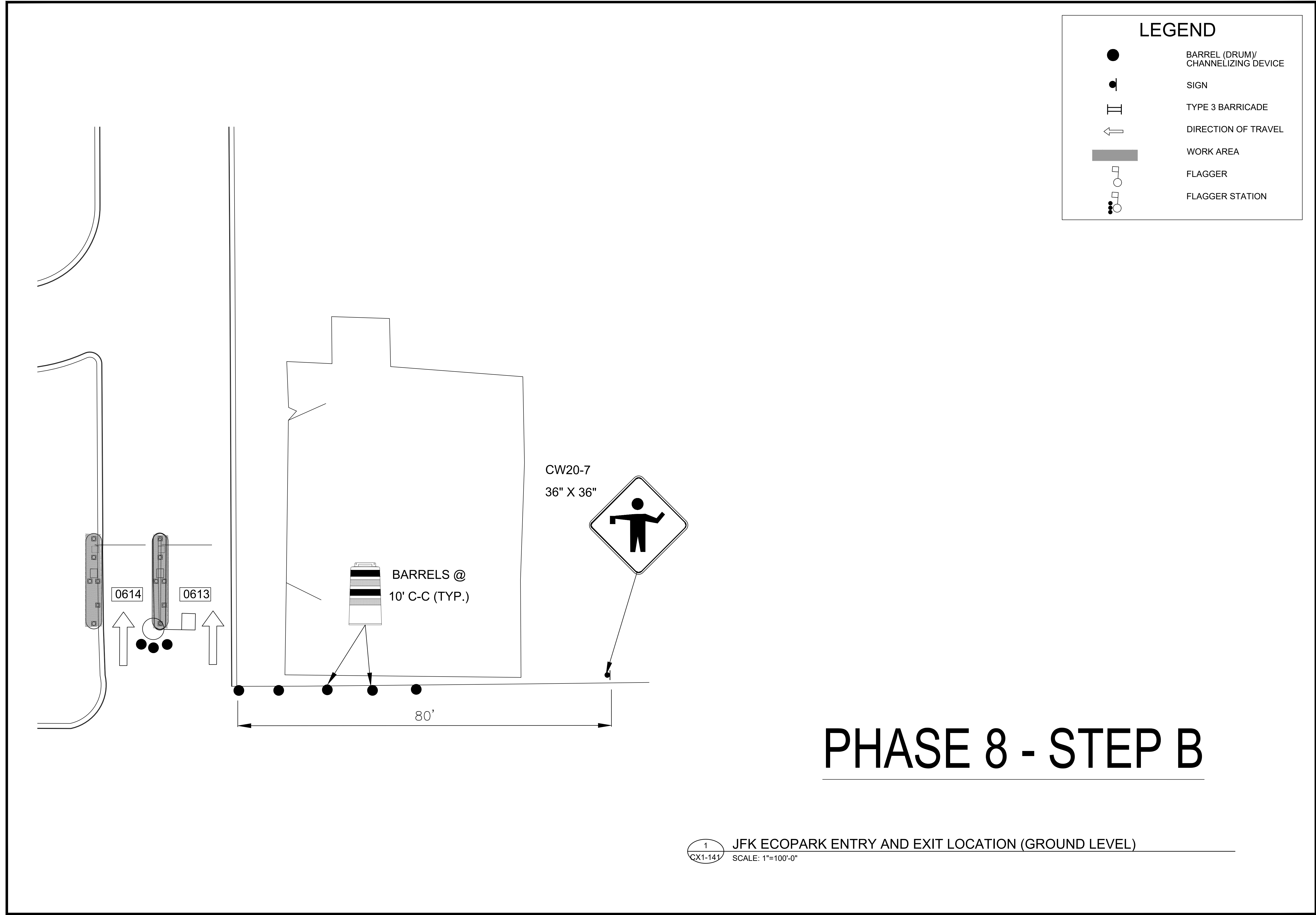












# PHASE 8 - STEP B

1  
CX1-141

JFK ECOPARK ENTRY AND EXIT LOCATION (GROUND LEVEL)

SCALE: 1"=100'-0"



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1405 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TOLL FREE: 800-451-7323  
WWW.KIMLEY-HORN.COM

REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



P. MANU ISAAC  
87758  
02/25/2020

APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**

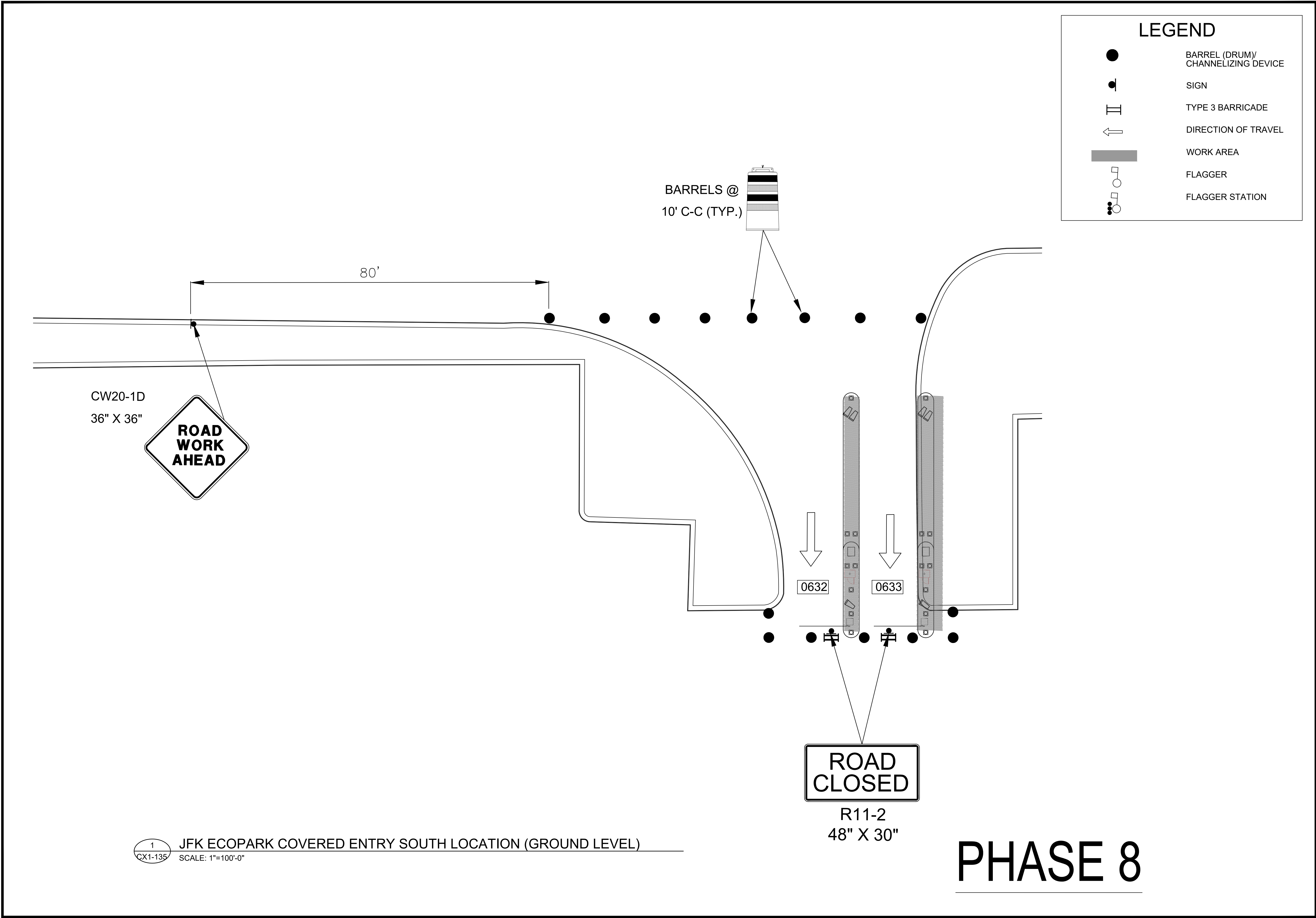
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**

SHEET NO.

TCP-73







HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTONTEXAS

**Kimley»Horn**

Kimley-Horn and Associates, Inc.  
1400 Woodloch Forest Drive, Suite 225  
The Woodlands, TX 77380  
Phone: 281-475-2816  
Toll-Free: 800-451-7229  
www.kimley-horn.com

REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY:DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**

C.I.P. NO.

H.A.S. NO.

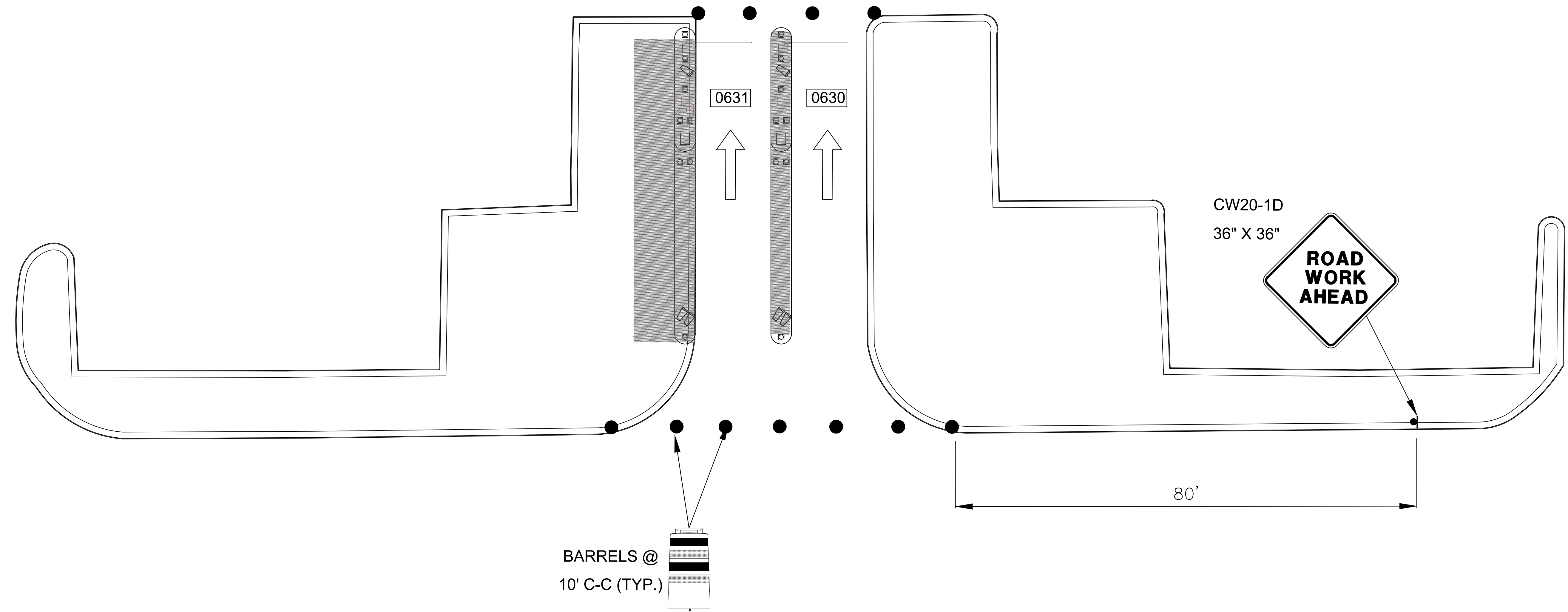
**PN HKE-PARCS-2020-003**

SHEET NO.

**TCP-74**

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1  
CX1-136

JFK ECOPARK COVERED ENTRY NORTH LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"

# PHASE 8 - STEP B



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS



KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TDD: 281-475-2816  
WWW.KIMLEY-HORN.COM

REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

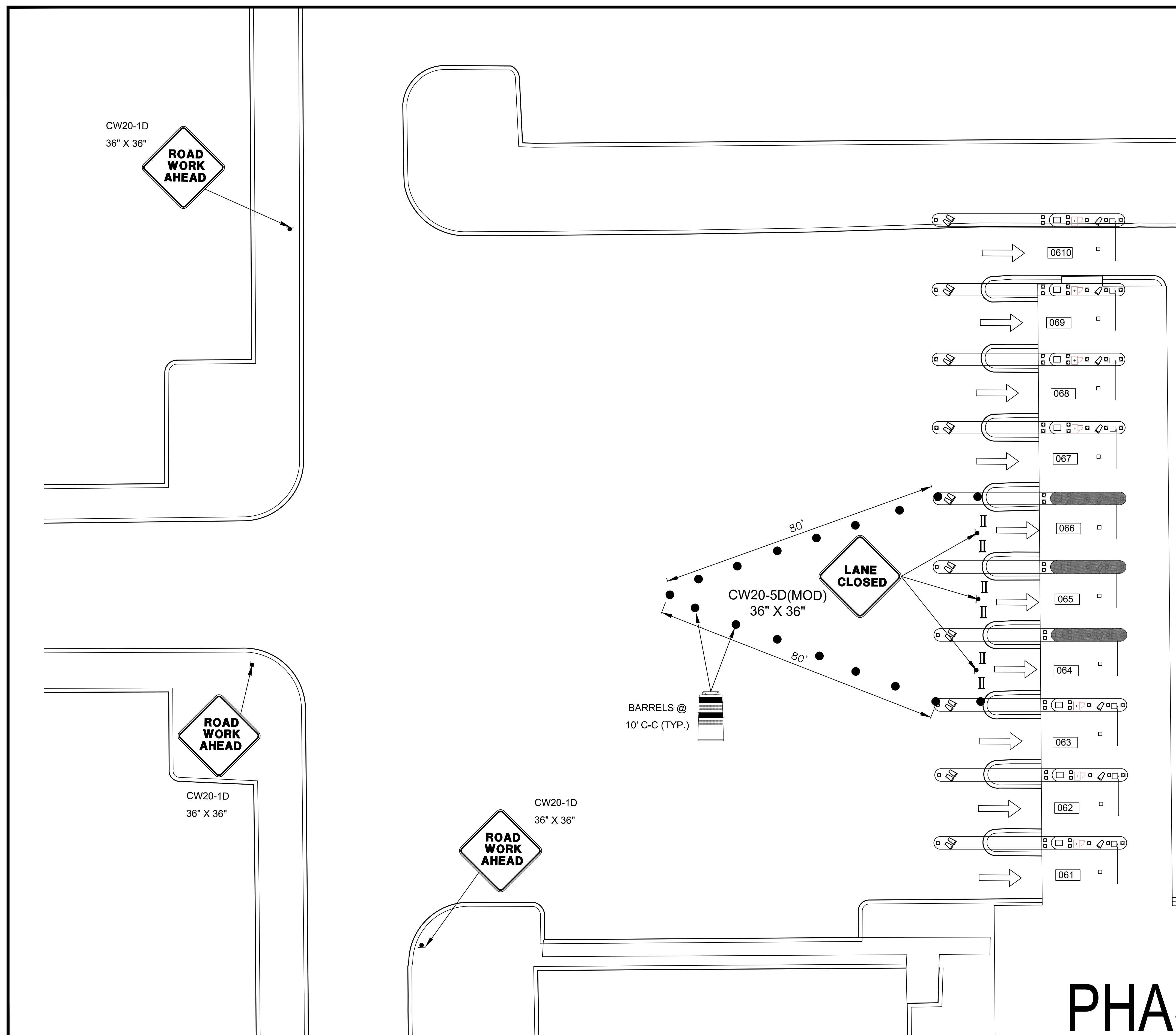
PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. 067810800	
C.I.P. NO.	
H.A.S. NO.	
PN HKE-PARCS-2020-003	
SHEET NO.	

TCP-75





CW20-1D  
36" X 36"



**ROAD  
WORK  
AHEAD**

CW20-1D  
36" X 36"



**ROAD  
WORK  
AHEAD**

CW20-1D  
36" X 36"

**ROAD  
WORK  
AHEAD**

CW20-5D(MOD)  
36" X 36"

**LANE  
CLOSED**

BARRELS @  
10' C-C (TYP.)

0610

069

068

067

06

06

064

33

06

06

## LEGEND

BARREL (DRUM)/  
CHANNELIZING DEVICE

SIGN

### TYPE 3 BARRICADE

DIRECTION OF TRAVEL

WORK AREA

FLAGGER

FLAGGER STATION




HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLOCH FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TBE FIRM REGISTRATION F-628  
[WWW.KIMLEY-HORN.COM](http://WWW.KIMLEY-HORN.COM)

REVISIONS			
NO.	DESCRIPTION	DATE	BY

# PARKING ACCESS AND REVENUE CONTROL SYSTEMS (PARCS) GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH) TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

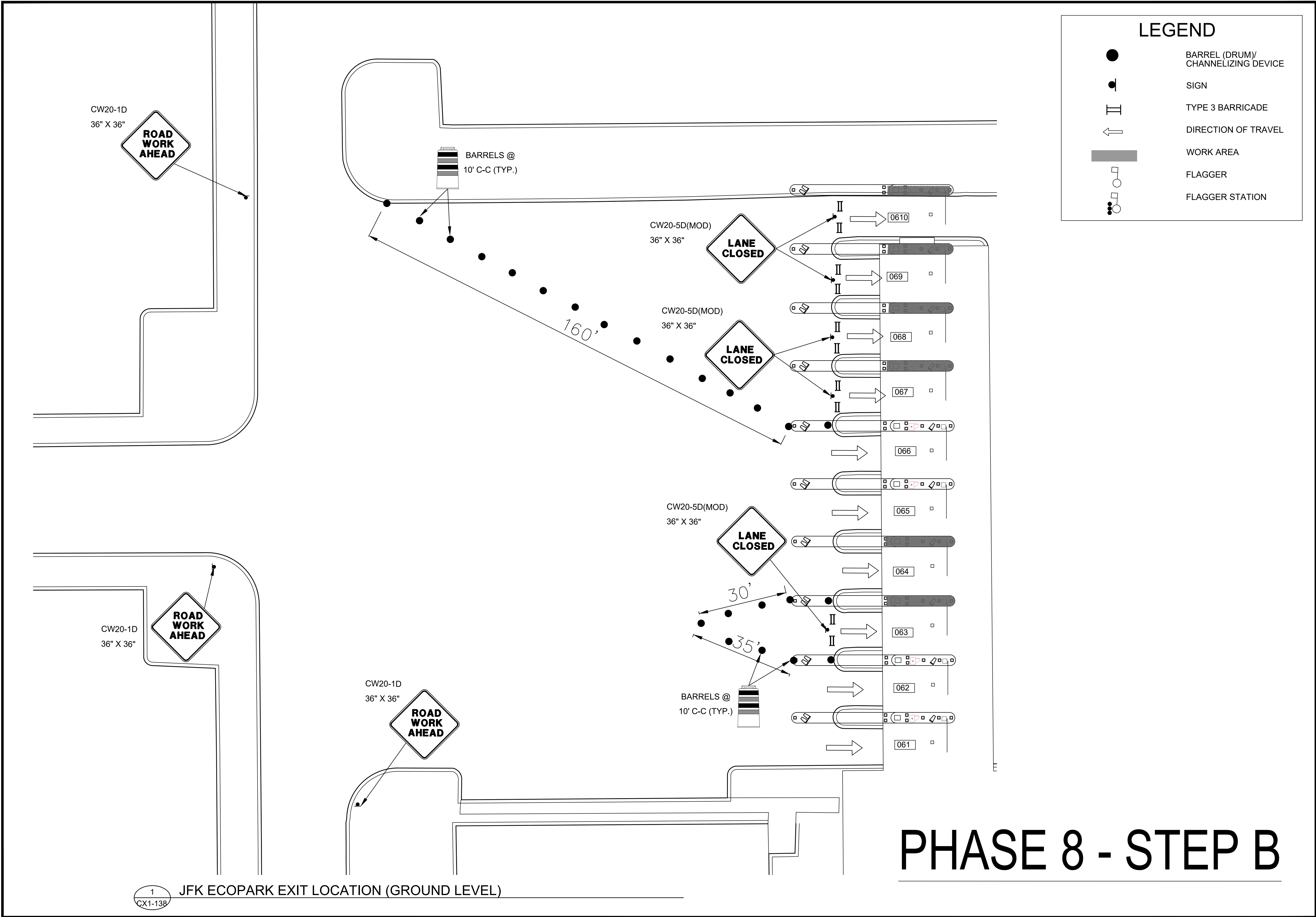
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.

TCP-76





HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1405 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TDD: 281-475-2816  
WWW.KIMLEY-HORN.COM

REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR: CDR

DESIGNER: IMR

DRAWN BY: KHA

CHECKED BY: MI

SCALE: NTS

DATE: 02/25/2020

APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800

C.I.P. NO.

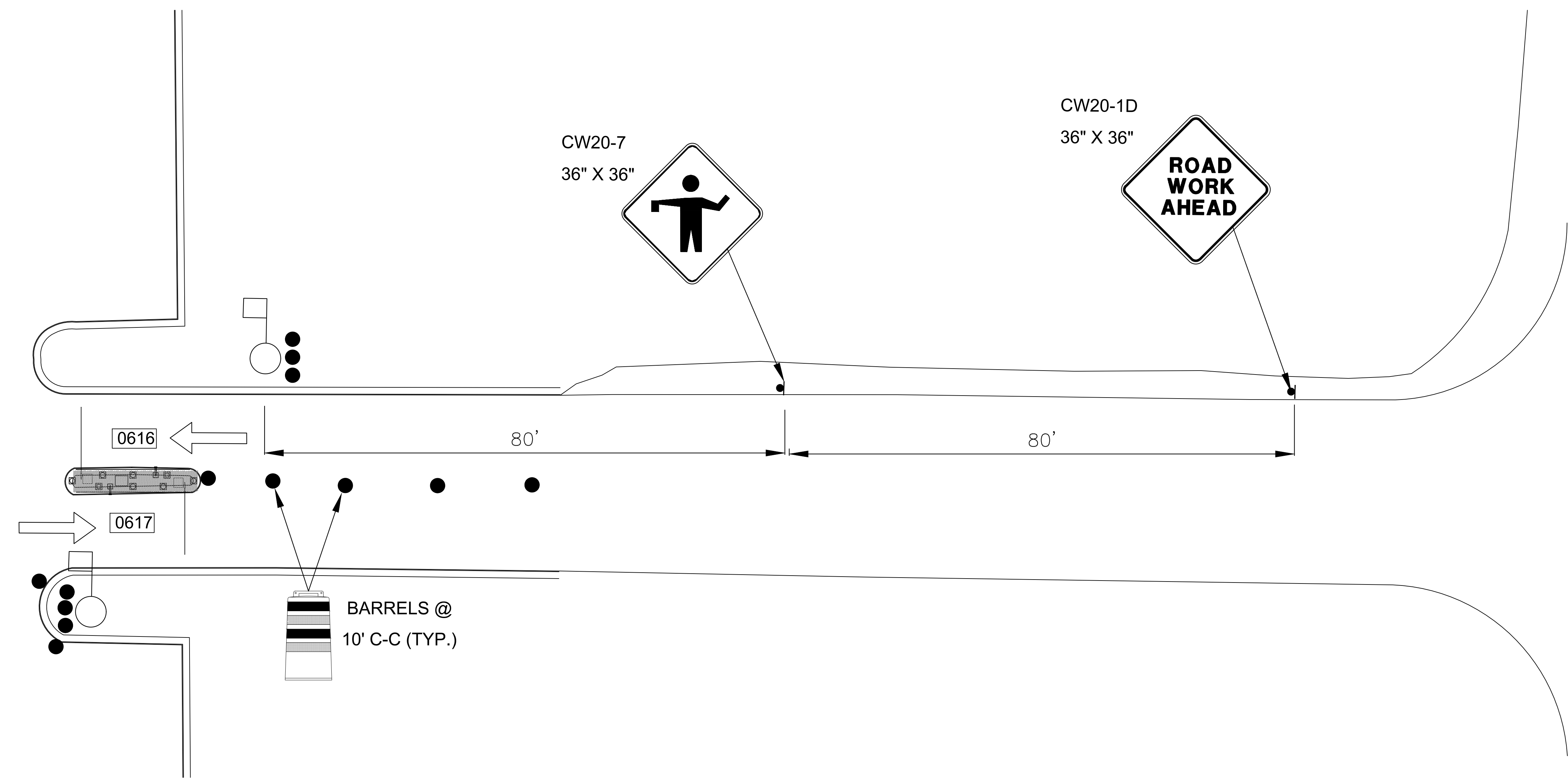
H.A.S. NO.

PN HKE-PARCS-2020-003

SHEET NO.

TCP-77





1 JFK ECOPARK EMPLOYEE ENTRY/EXIT LOCATION (GROUND LEVEL)  
CX1-133 SCALE: 1"=100'-0"

# PHASE 8

HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TOLL FREE: 800-451-7333  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**

C.I.P. NO. \_\_\_\_\_

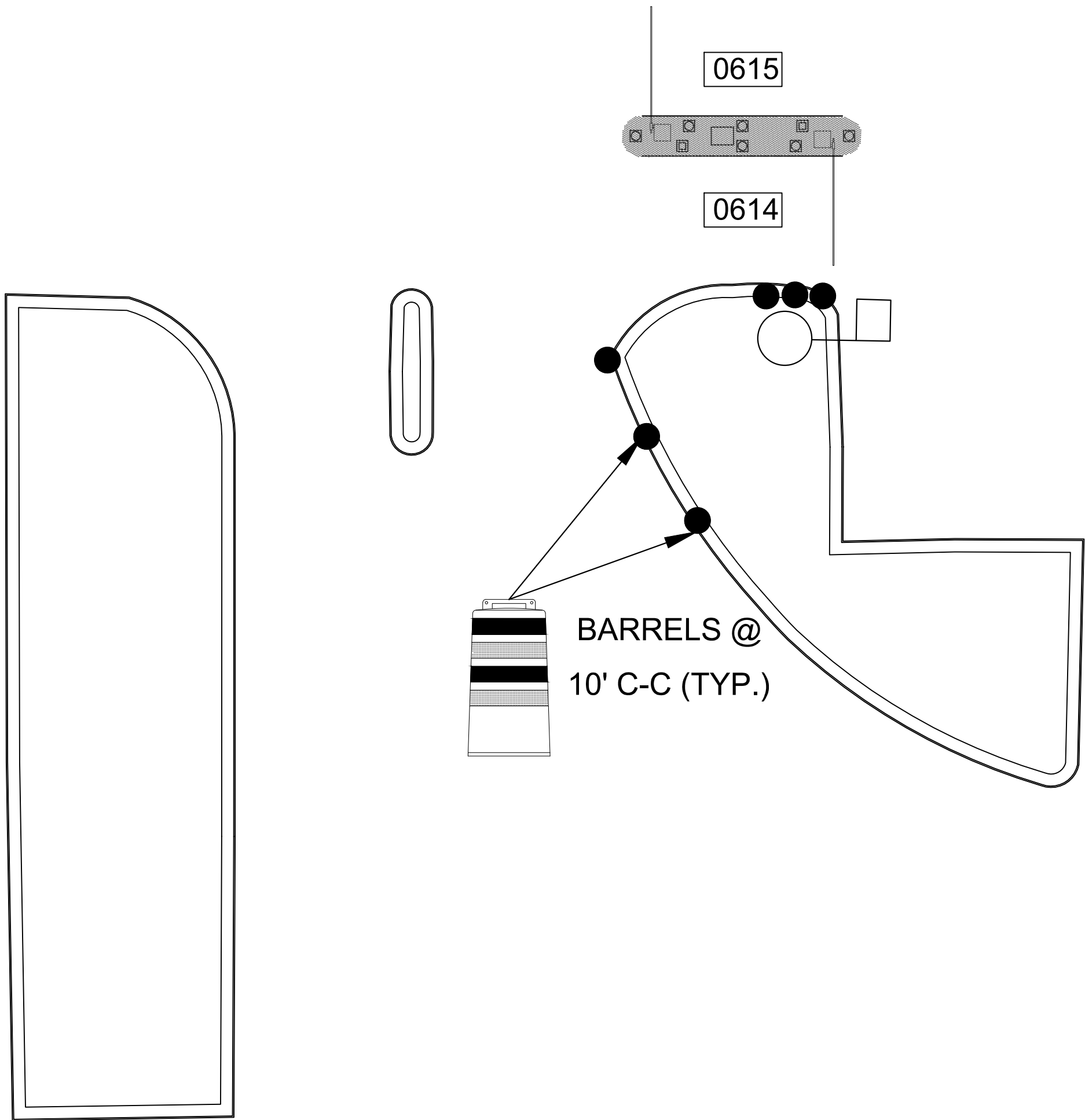
H.A.S. NO. \_\_\_\_\_

**PN HKE-PARCS-2020-003**

SHEET NO. \_\_\_\_\_

**TCP-78**





1  
CX1-140

JFK ECOPARK BUS ENTRY/EXIT LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"

LEGEND

●

BARREL (DRUM)/  
CHANNELIZING DEVICE

●

SIGN

II

TYPE 3 BARRICADE

↩

DIRECTION OF TRAVEL

■

WORK AREA

□

FLAGGER

●

FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

Kimley»Horn

Kimley-Horn and Associates, Inc.

1400 WOODLICK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TWISTED FROM RECREATION P-033

WWW.KIMLEY-HORN.COM

REVISIONS		
NO.	DESCRIPTION	DATE

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

PROFESSIONAL ENGINEER

02/25/2020

APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

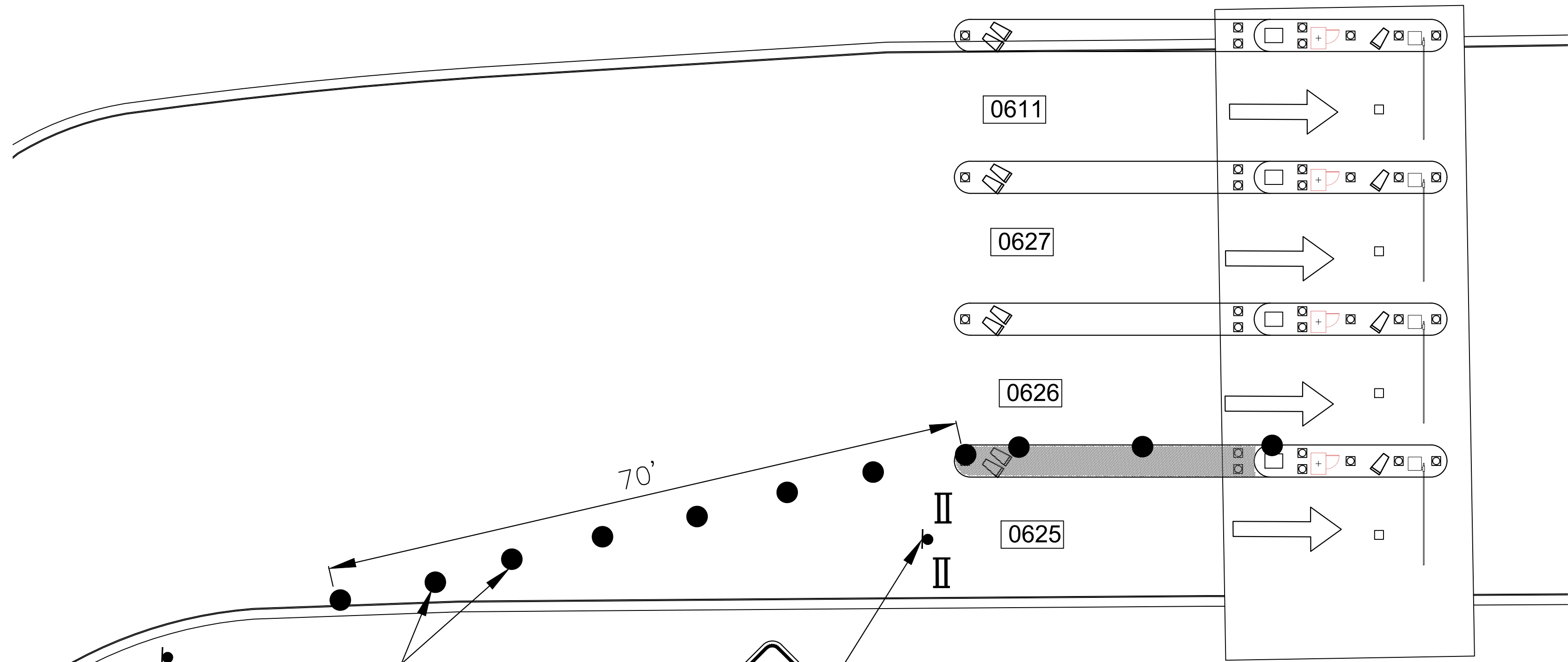
PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

TCP-79

PHASE 8





LEGEND

BARREL (DRUM)/  
CHANNELIZING DEVICE

SIGN

TYPE 3 BARRICADE

DIRECTION OF TRAVEL

WORK AREA

FLAGGER

FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1405 WOODLICK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TWIST: 281-475-2816

WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL

SYSTEMS (PARCS) GEORGE BUSH

INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87756

LICENSED PROFESSIONAL ENGINEER

02/25/2020

APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**

C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**

SHEET NO.

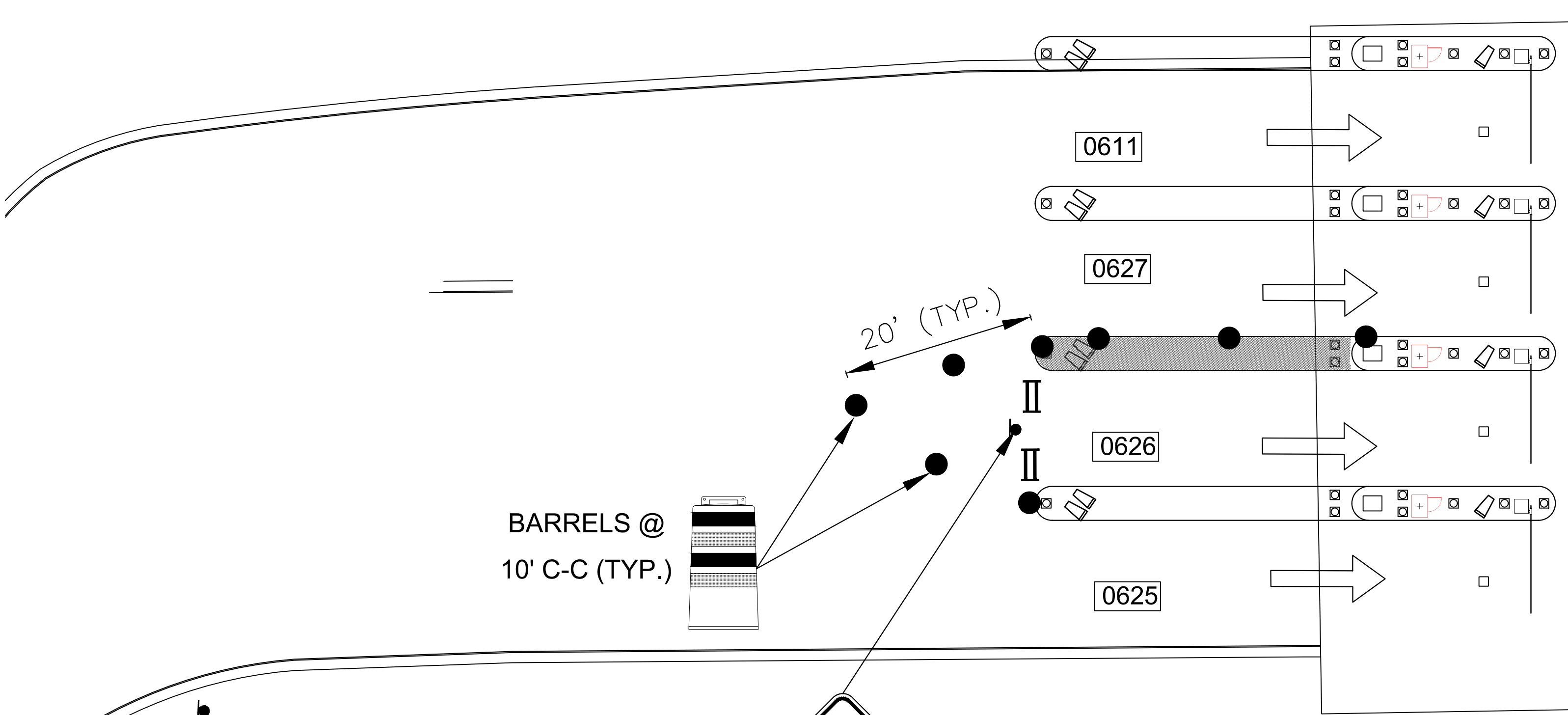
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# PHASE 9 - STEP A

1  
CX1-134

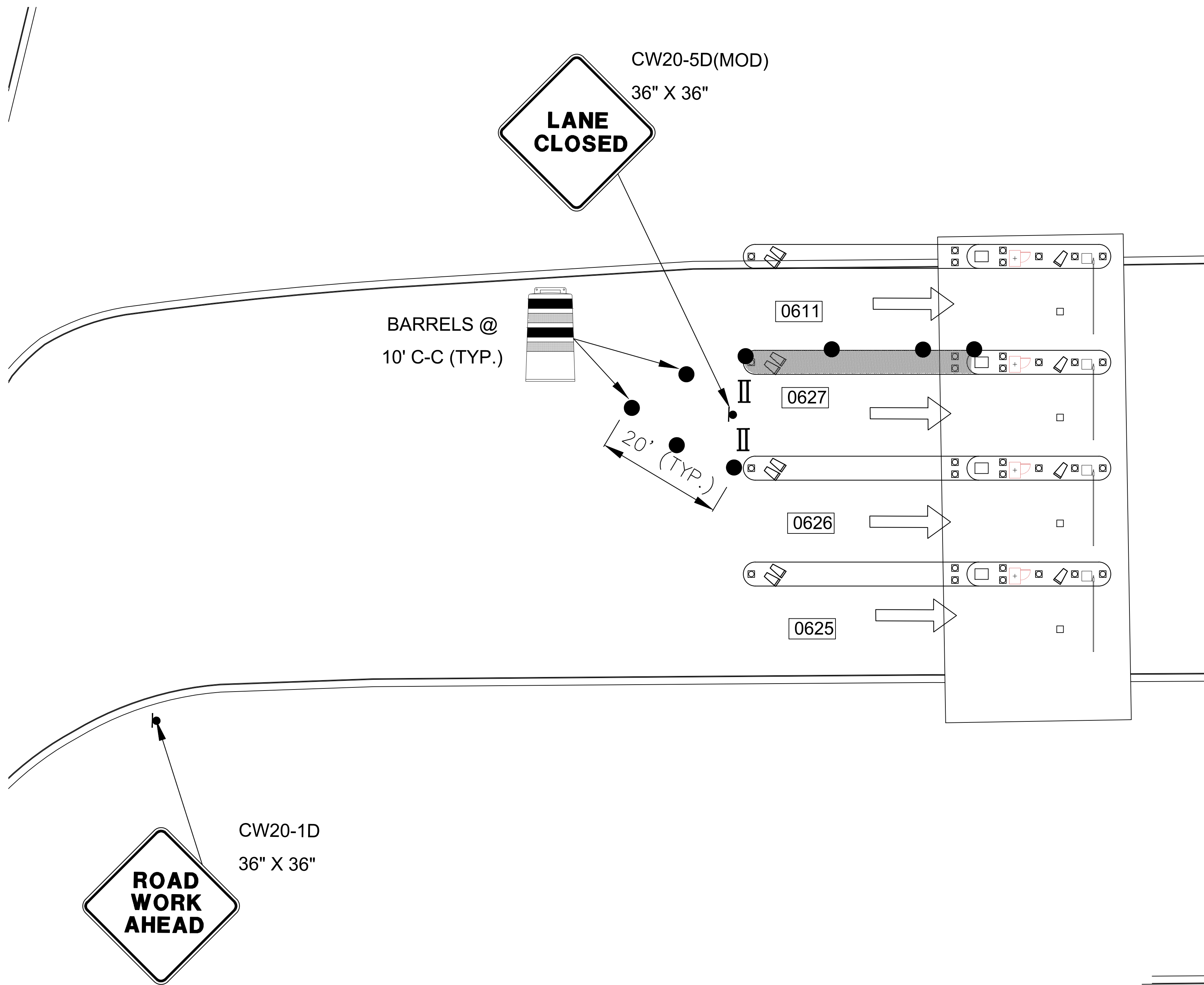
JFK ECOPARK ENTRY LOCATION (GROUND LEVEL)

SCALE: 1"=100'-0"



# PHASE 9 - STEP B





# PHASE 9 - STEP C



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1405 WOODLOCK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TDD: 281-475-2816  
WWW.KIMLEY-HORN.COM

REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**

C.I.P. NO. \_\_\_\_\_

H.A.S. NO. \_\_\_\_\_

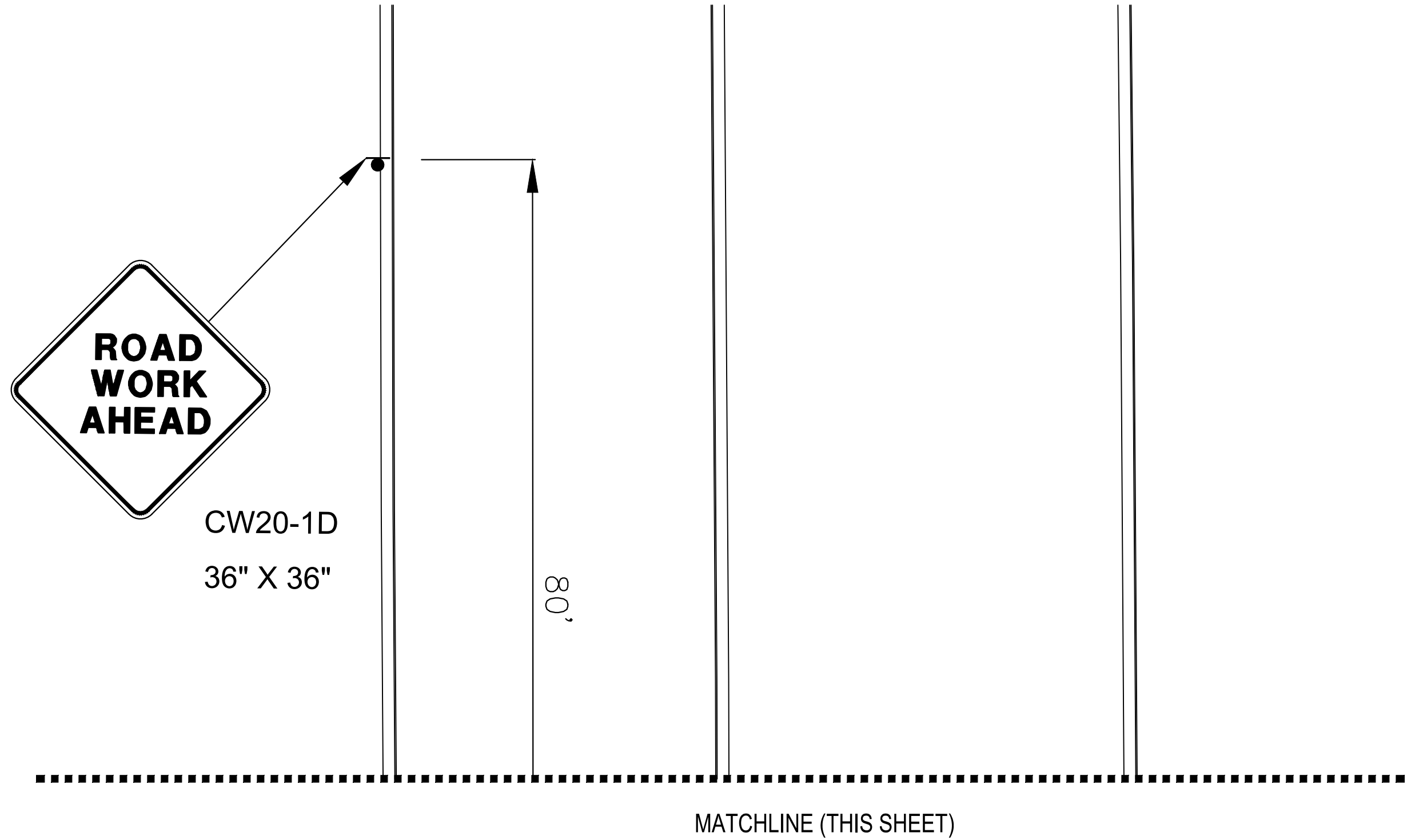
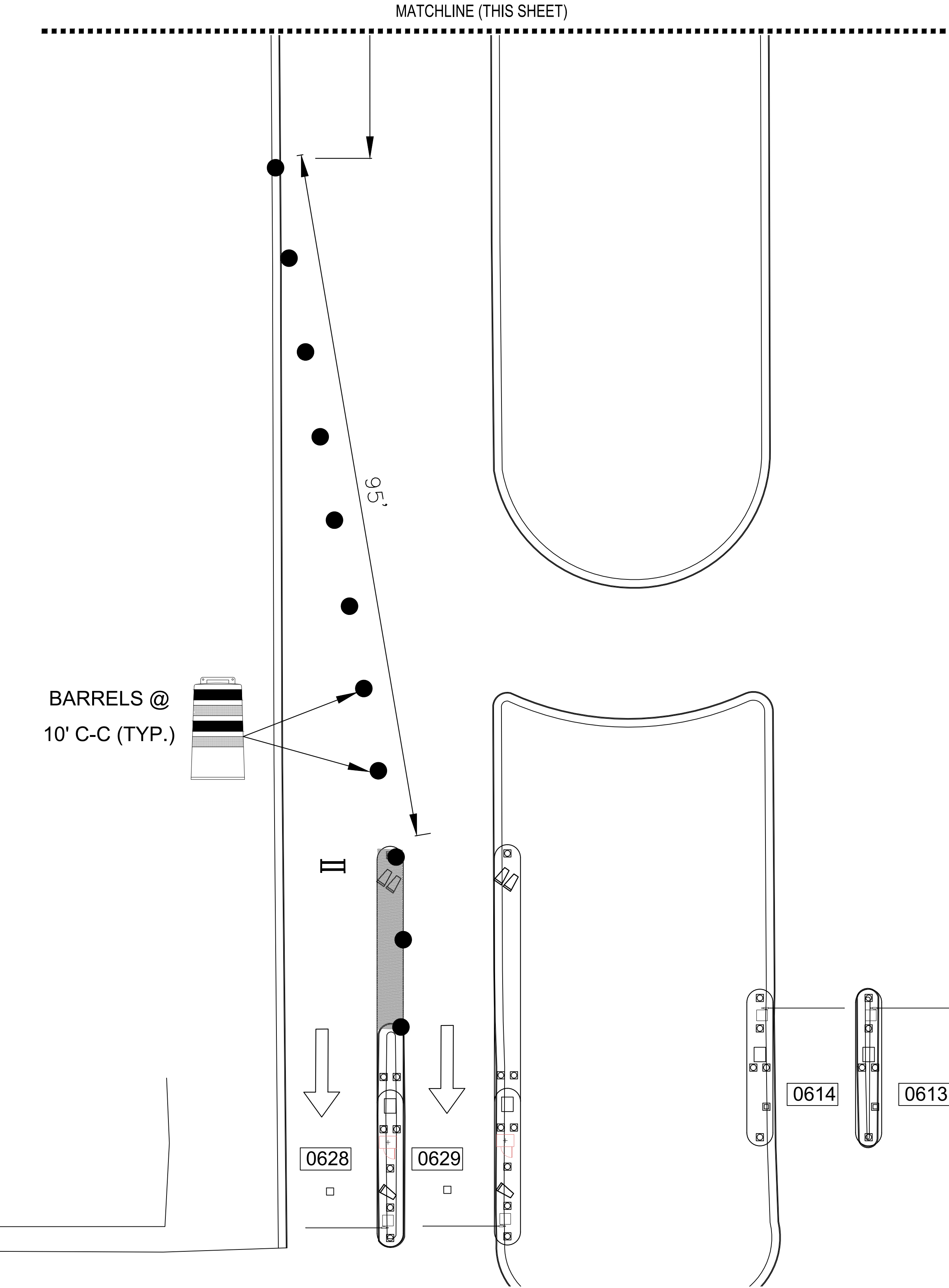
**PN HKE-PARCS-2020-003**

SHEET NO. \_\_\_\_\_

TCP-81

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1  
CX1-141

JFK ECOPARK ENTRY AND EXIT LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"

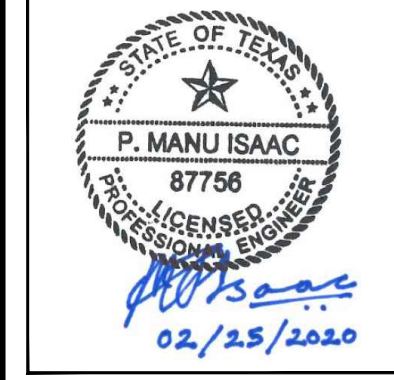
## LEGEND

- BARREL (DRUM)/ CHANNELIZING DEVICE
- SIGN
- II TYPE 3 BARRICADE
- ↑ DIRECTION OF TRAVEL
- WORK AREA
- FLAGGER
- FLAGGER STATION

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

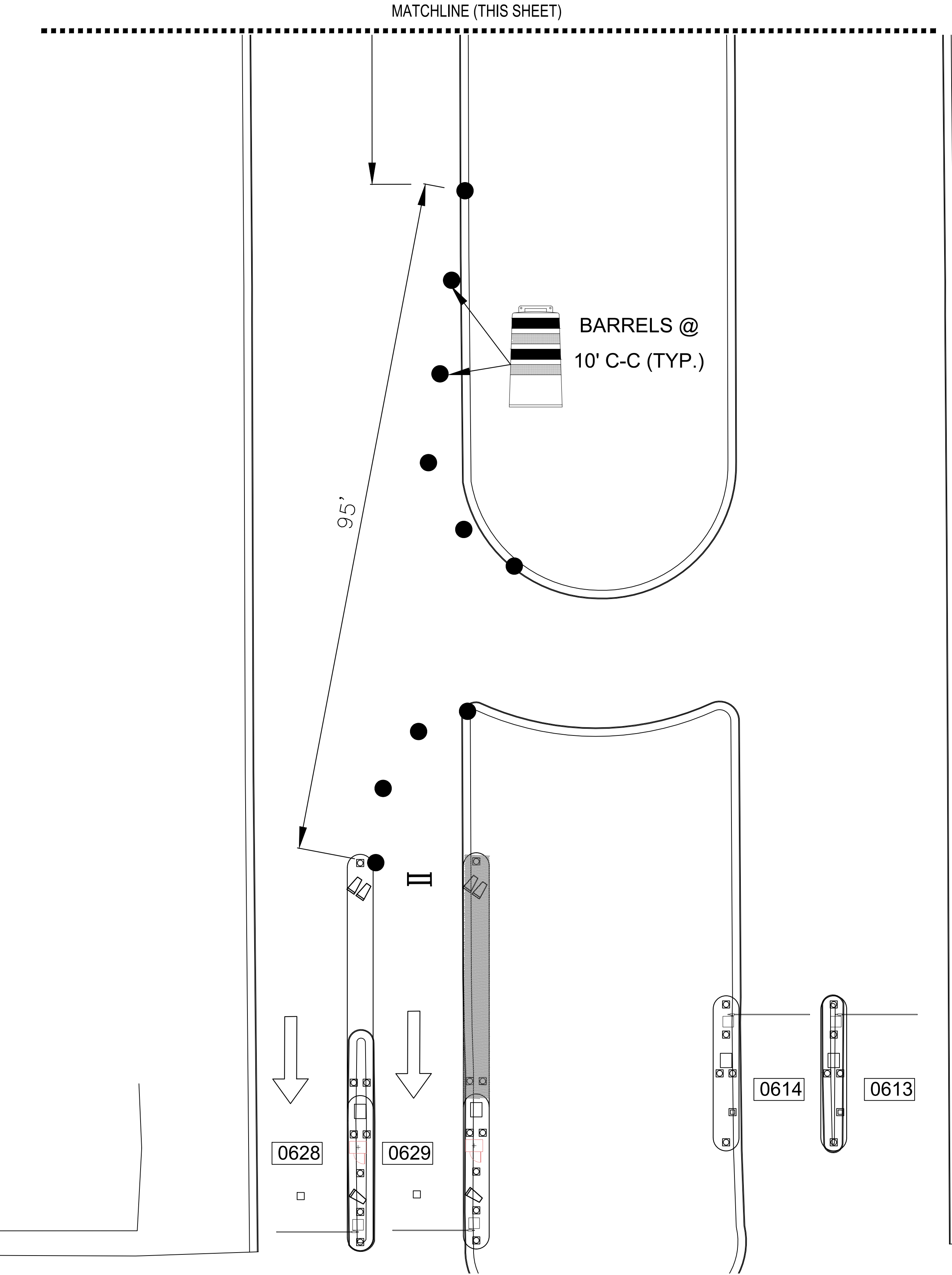
PROJECT NO.  
**067810800**

C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

TCP-82





LEGEND

●

BARREL (DRUM)/  
CHANNELIZING DEVICE

●

SIGN

II

TYPE 3 BARRICADE

↑

DIRECTION OF TRAVEL

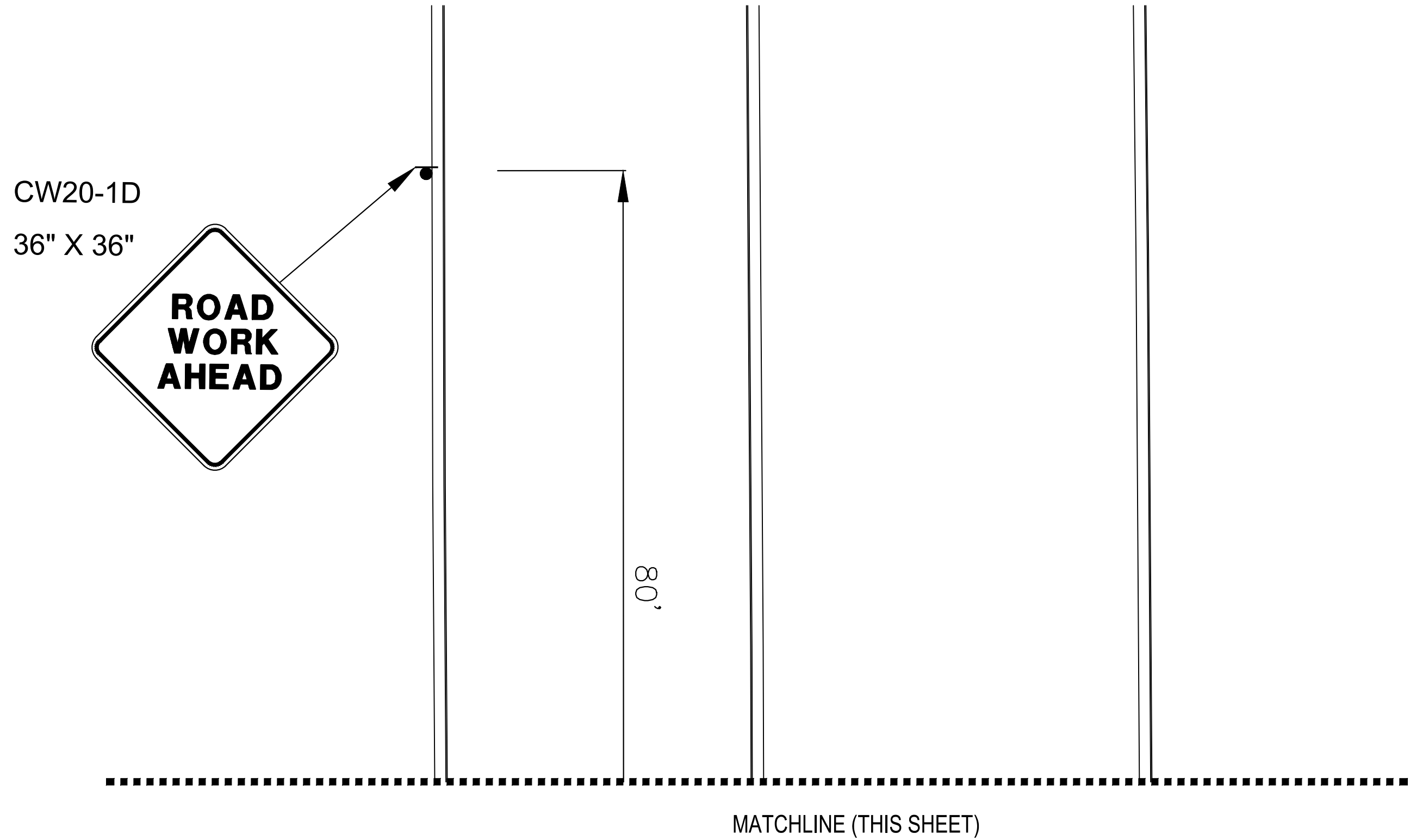
WORK AREA

□

FLAGGER

●

FLAGGER STATION



PHASE 9 - STEP B

1  
CX1-141

JFK ECOPARK ENTRY AND EXIT LOCATION (GROUND LEVEL)  
SCALE: 1"=100'-0"

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON

TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLICK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TWISTED PINE RESTAURANT/203

WWW.KIMLEY-HORN.COM

REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR: CDR

DESIGNER: IMR

DRAWN BY: KHA

CHECKED BY: MI

SCALE: NTS

DATE: 02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

02/25/2020

APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800

C.I.P. NO.

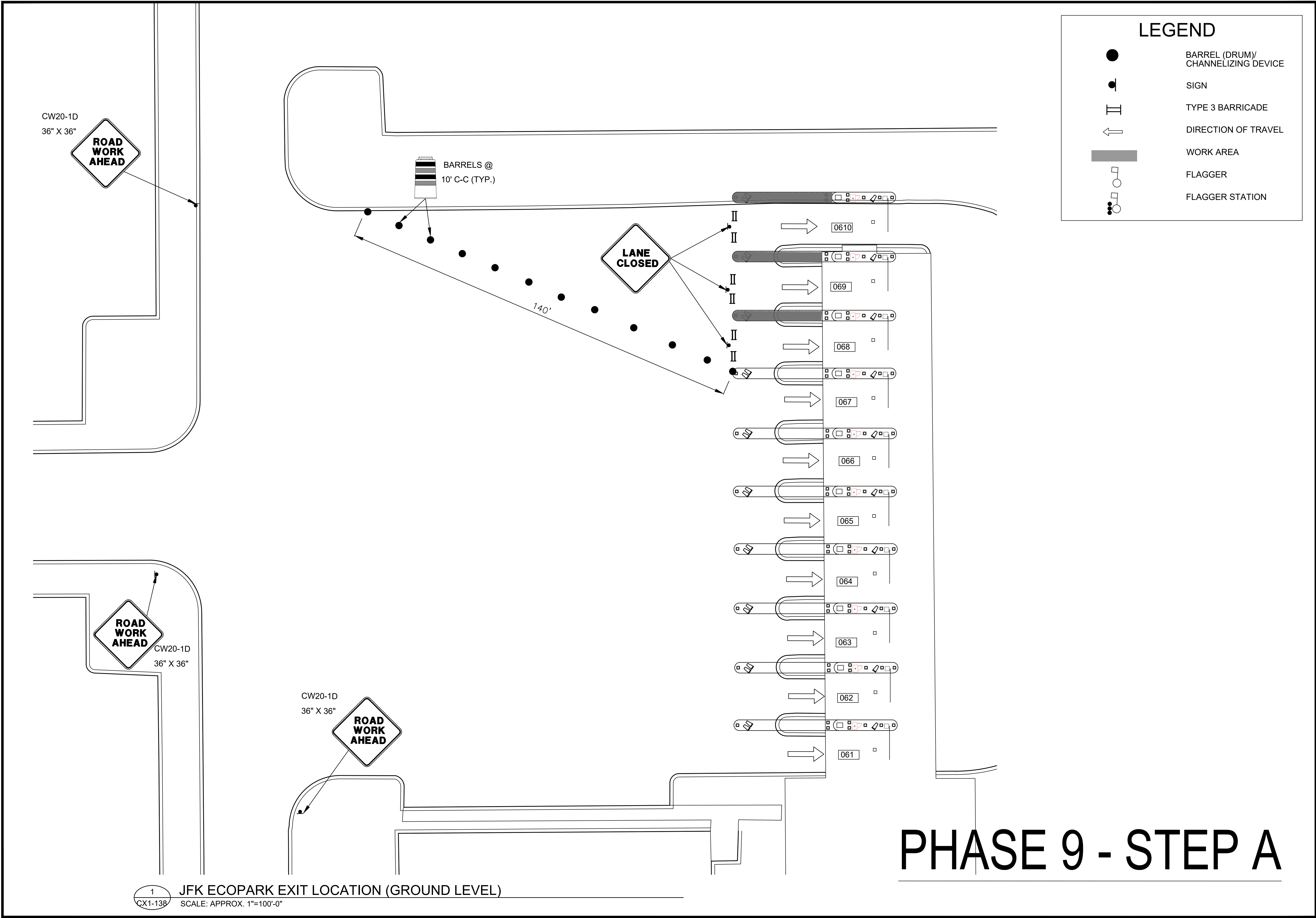
H.A.S. NO.

PN HKE-PARCS-2020-003

SHEET NO.

TCP-83





HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TDD: 281-475-2816  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

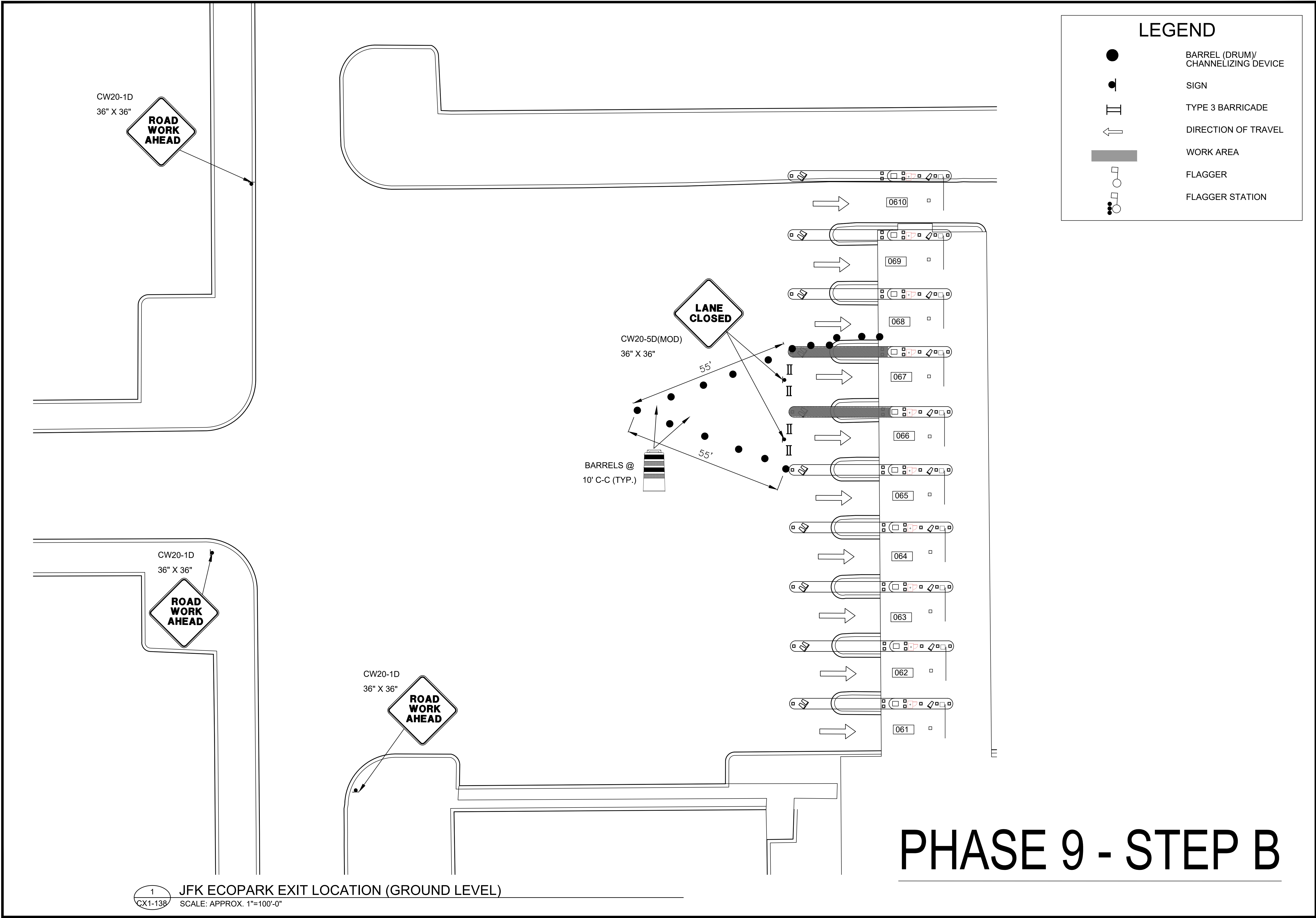
PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020

P. MANU ISAAC  
87758  
02/25/2020

APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. 067810800	
C.I.P. NO.	
H.A.S. NO.	
PN HKE-PARCS-2020-003	
SHEET NO.	

TCP-84





LEGEND

●

BARREL (DRUM)/  
CHANNELIZING DEVICE

●

SIGN

II

TYPE 3 BARRICADE

←

DIRECTION OF TRAVEL

■

WORK AREA

○

FLAGGER

●

FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLICK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TWISTED PINE RECREATION 7-033

WWW.KIMLEY-HORN.COM

REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR: CDR

DESIGNER: IMR

DRAWN BY: KHA

CHECKED BY: MI

SCALE: NTS

DATE: 02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

PROFESSIONAL ENGINEER

*P. Manu Isaac*

02/25/2020

APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800

C.I.P. NO.

H.A.S. NO.

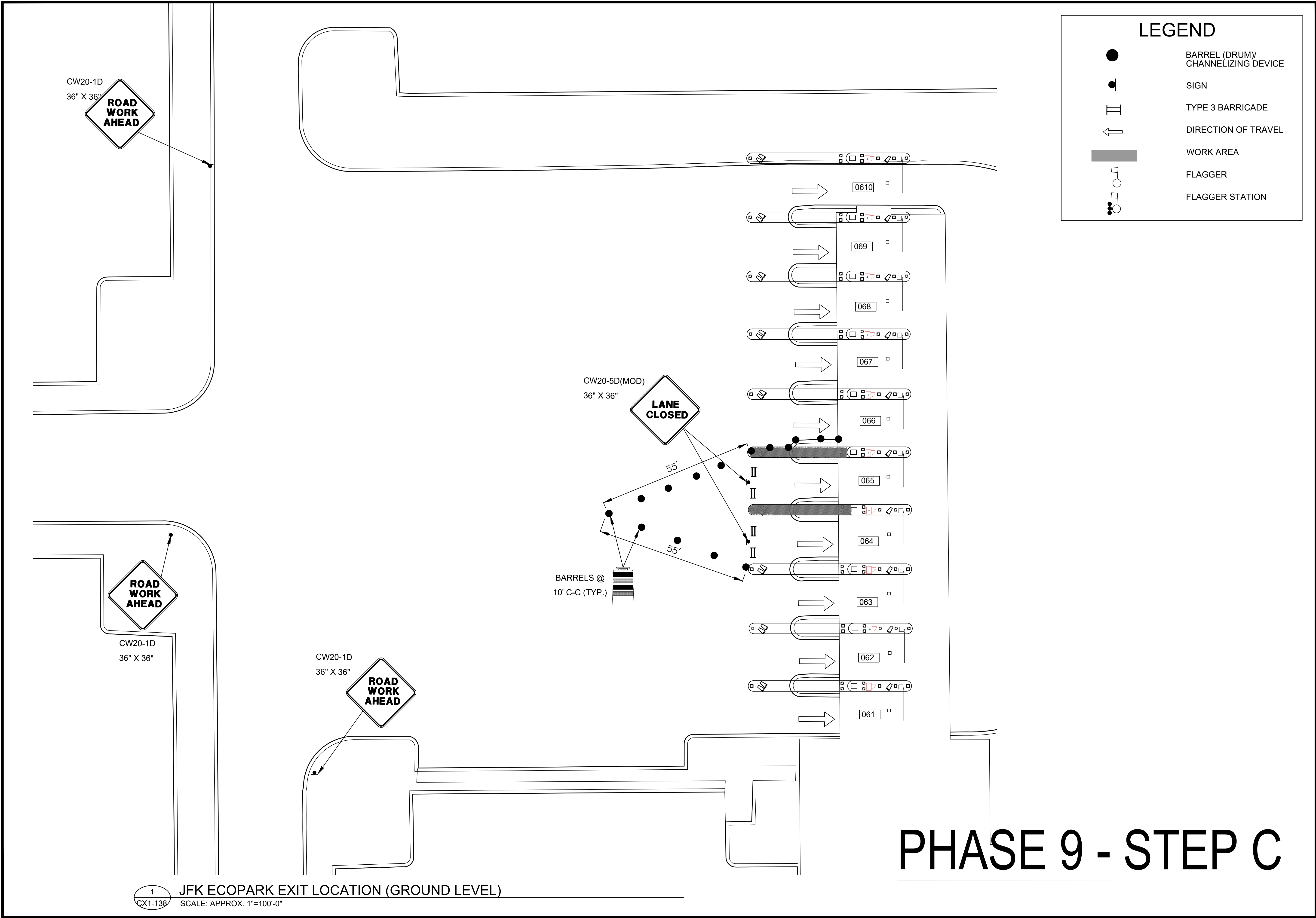
PN HKE-PARCS-2020-003

SHEET NO.

TCP-85

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HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley»Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TOLL FREE: 800-368-6868  
WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

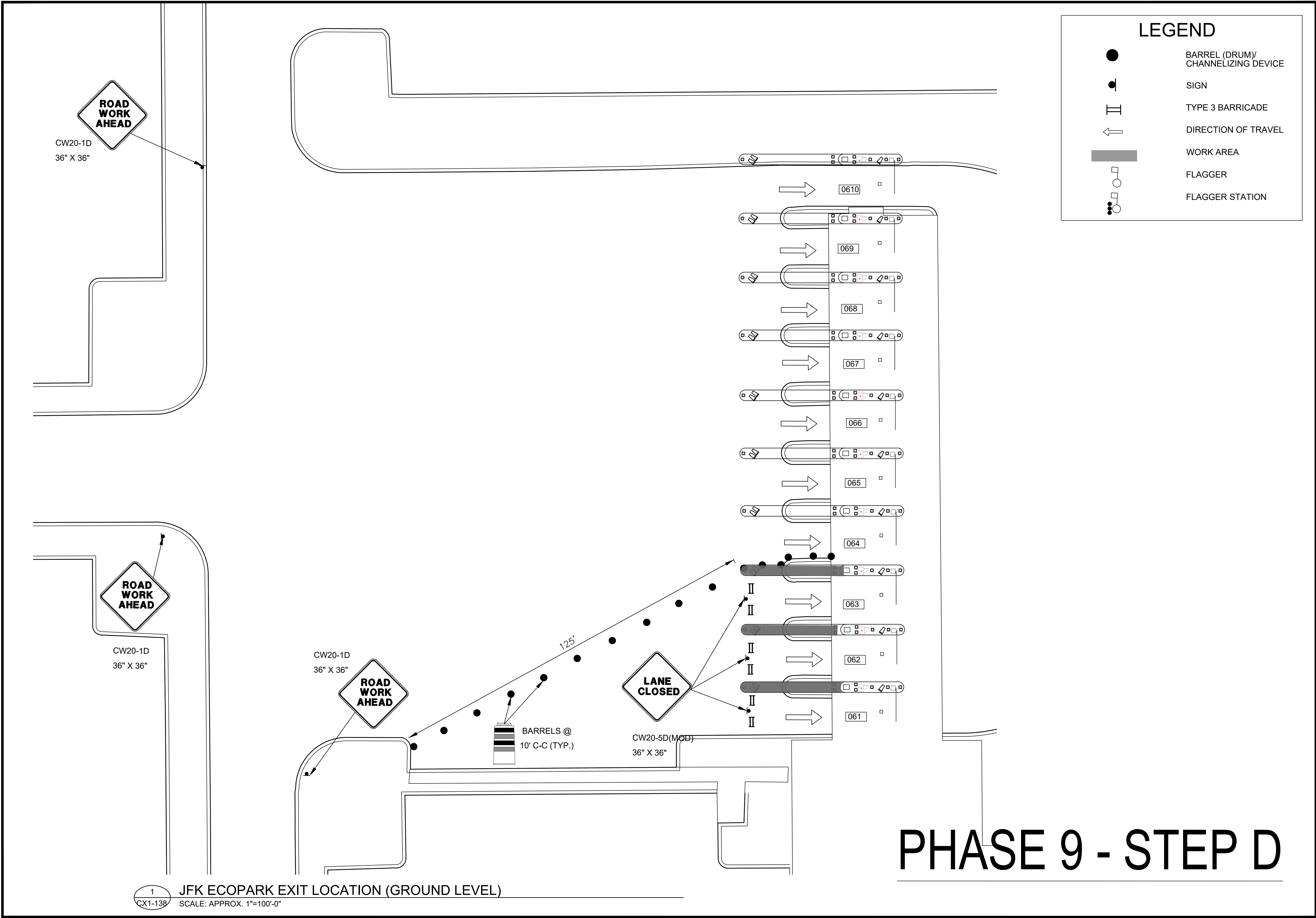
PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020



APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. <b>067810800</b>	
C.I.P. NO.	
H.A.S. NO.	
<b>PN HKE-PARCS-2020-003</b>	
SHEET NO.	

TCP-86







HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTONTEXAS

**Kimley»Horn**

1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TDD: 281-475-2816  
WWW.KIMLEY-HORN.COM

REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:CDR  
DESIGNER:IMR  
DRAWN BY:KHA  
CHECKED BY:MI  
SCALE:NTS  
DATE:02/25/2020



APPROVED BY:DATE:

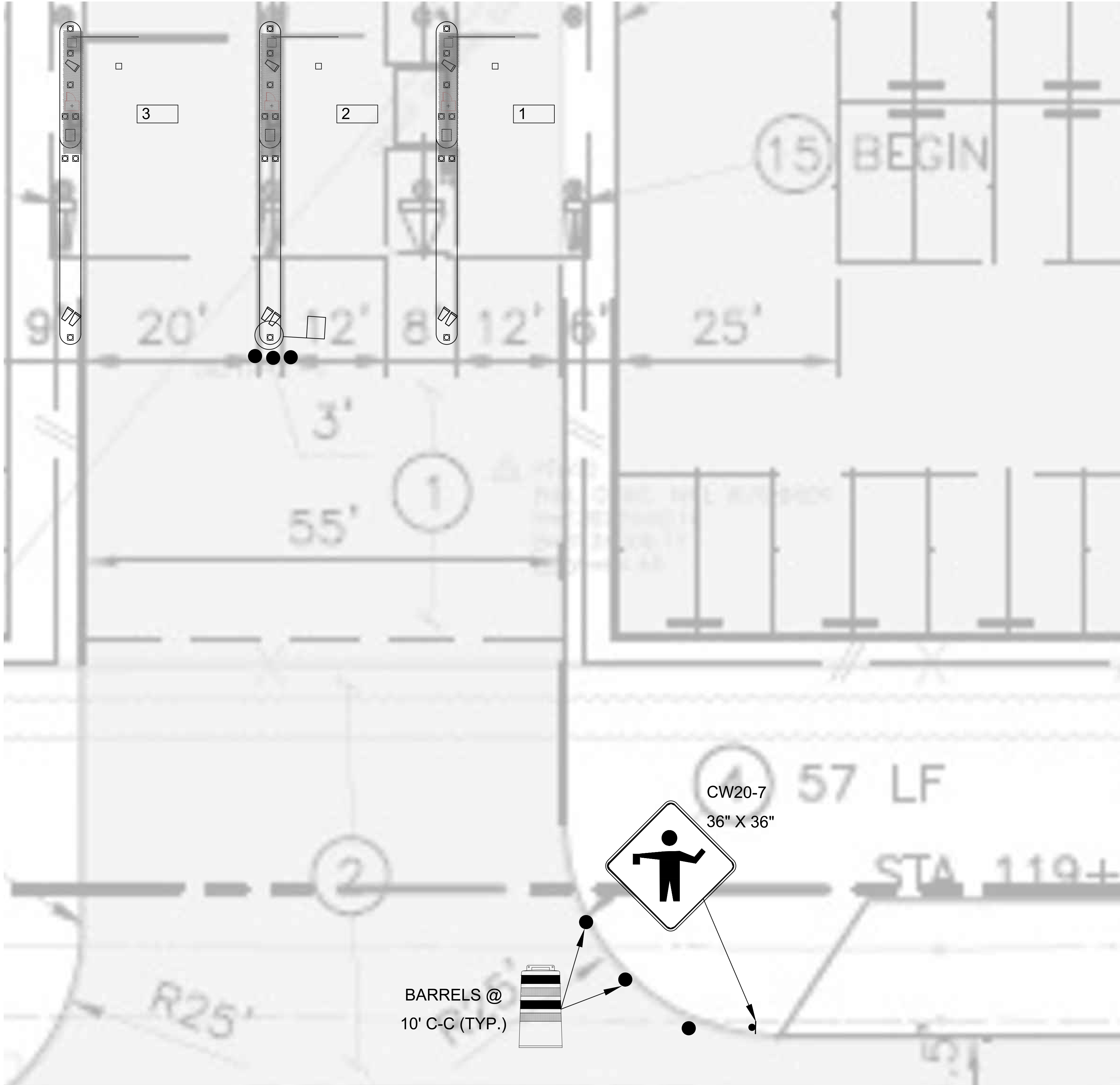
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.  
H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.

TCP-87

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LEGEND

●

BARREL (DRUM)/  
CHANNELIZING DEVICE

●

SIGN

⏏

TYPE 3 BARRICADE

↶

DIRECTION OF TRAVEL

▬

WORK AREA

⏏

FLAGGER

●

FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLICK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TDD: 281-475-2816

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REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR: CDR

DESIGNER: IMR

DRAWN BY: KHA

CHECKED BY: MI

SCALE: NTS

DATE: 02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

LICENSED PROFESSIONAL ENGINEER

*P. Manu Isaac*

02/25/2020

APPROVED BY: DATE:

DIRECTOR

HOUSTON AIRPORT SYSTEM

PROJECT NO.

067810800

C.I.P. NO.

H.A.S. NO.

PN HKE-PARCS-2020-003

SHEET NO.

TCP-88

1

CX1-142

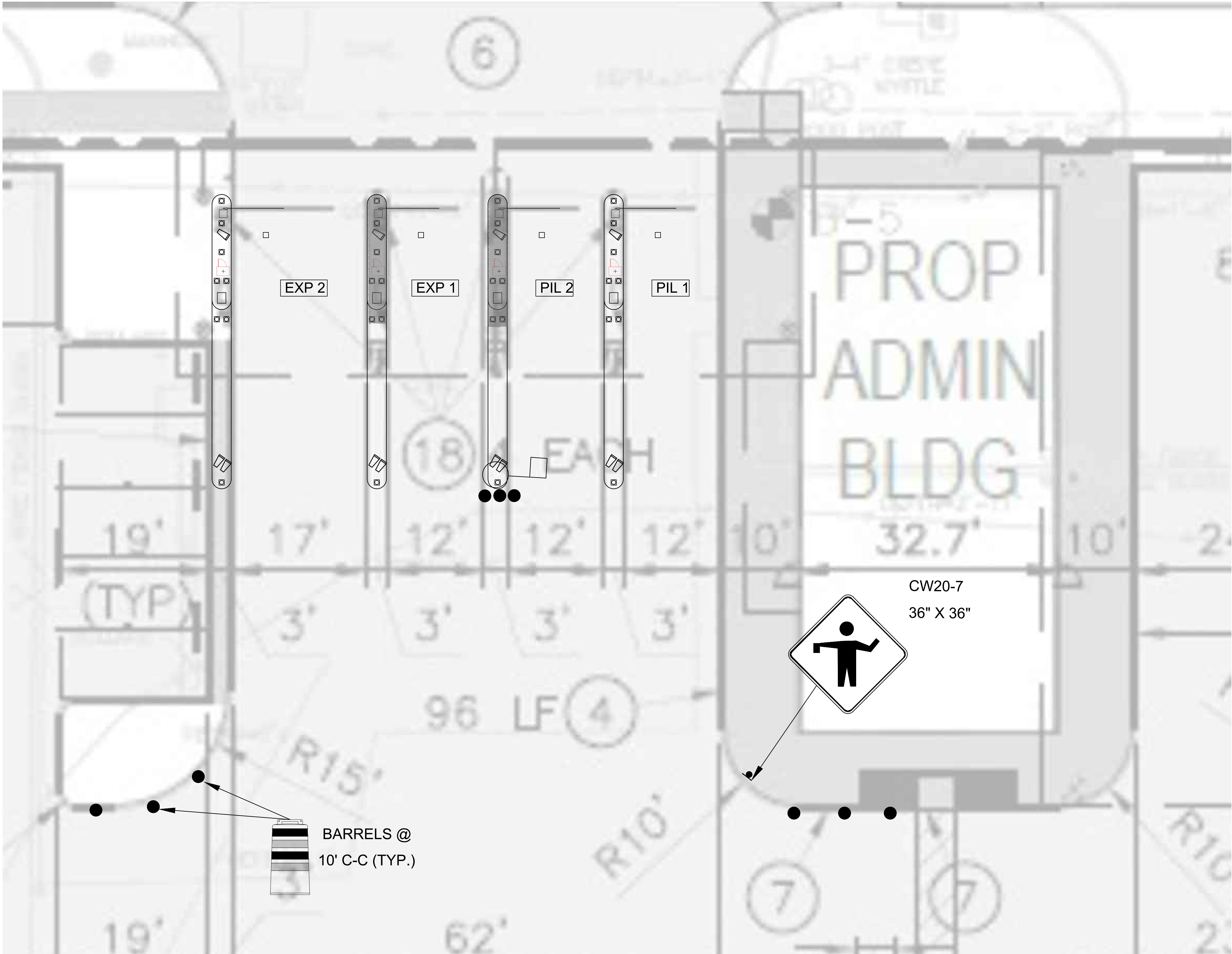
WILL CLAYTON ECOPARK 2 ENTRY LOCATION (GROUND LEVEL)

SCALE: 1"=100'-0"

PHASE 8

C:\Users\Iman.Rahim\appdata\local\temp\AcPublish\_17032\IAH TCP.dwg Feb 26, 2020 9:47am





LEGEND

●

BARREL (DRUM)/  
CHANNELIZING DEVICE

●

SIGN

⏏

TYPE 3 BARRICADE

↗

DIRECTION OF TRAVEL

■

WORK AREA

⏏

FLAGGER

●

FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

Kimley»Horn

Kimley-Horn and Associates, Inc.

1400 Woodloch Forest Drive, Suite 225

The Woodlands, TX 77380

Phone: 281-475-2816

Toll Free: 800-451-7229

www.kimley-horn.com

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

Professional Engineer

02/25/2020

APPROVED BY:	DATE:
--------------	-------

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.	067810800
C.I.P. NO.	

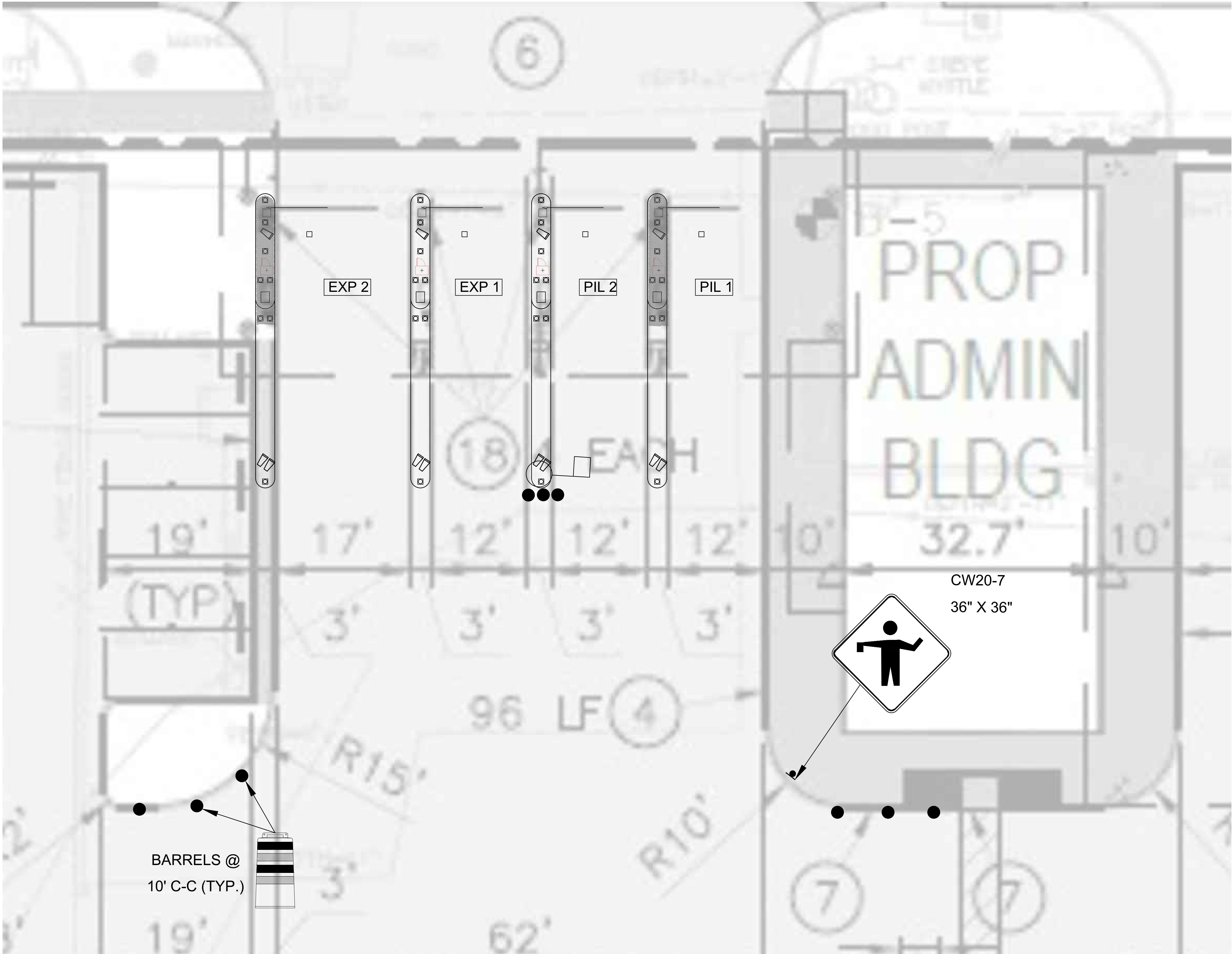
H.A.S. NO.	PN HKE-PARCS-2020-003
SHEET NO.	

TCP-89

1 WILL CLAYTON 2 ECOPARK EXIT LOCATION (GROUND LEVEL)  
CX1-143 SCALE: 1"=100'-0"

# PHASE 8 STEP A





1 WILL CLAYTON 2 ECOPARK EXIT LOCATION (GROUND LEVEL)  
CX1-143 SCALE: 1"=100'-0"

LEGEND

●

●

●

II

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○

○

○

BARREL (DRUM)/  
CHANNELIZING DEVICE

SIGN

TYPE 3 BARRICADE

DIRECTION OF TRAVEL

WORK AREA

FLAGGER

FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLARK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TWIST: 281-475-2816

WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL

SYSTEMS (PARCS) GEORGE BUSH

INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

02/25/2020

APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.

TCP-90

# PHASE 8 STEP B



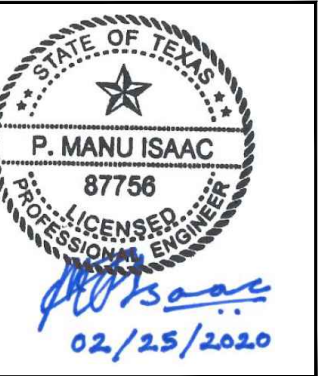


**KIMLEY-HORN AND ASSOCIATES, INC.**  
WOODCROFT FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2818  
TELE FIRM REGISTRATION F-628  
WWW.KIMLEY-HORN.COM

REVISIONS		
DESCRIPTION	DATE	BY

## TRAFFIC CONTROL PLAN

JECT MGR:	CDR
IGNER:	IMR
WN BY:	KHA
CKED BY:	MI
E:	NTS
:	02/25/2020



APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

DIRECTOR  
HOUSTON AIRPORT SYSTEM

JECT NO.

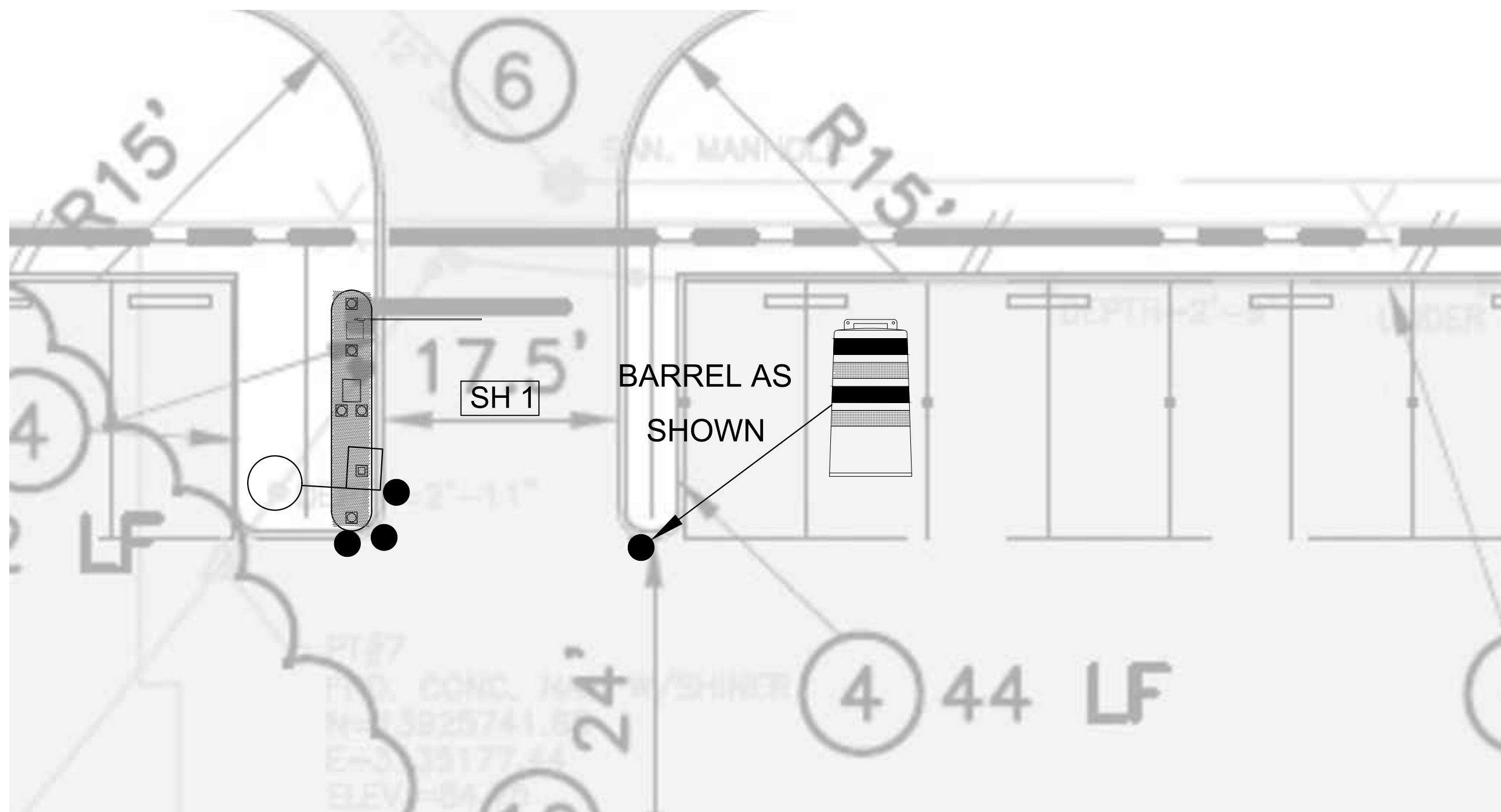
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NO.

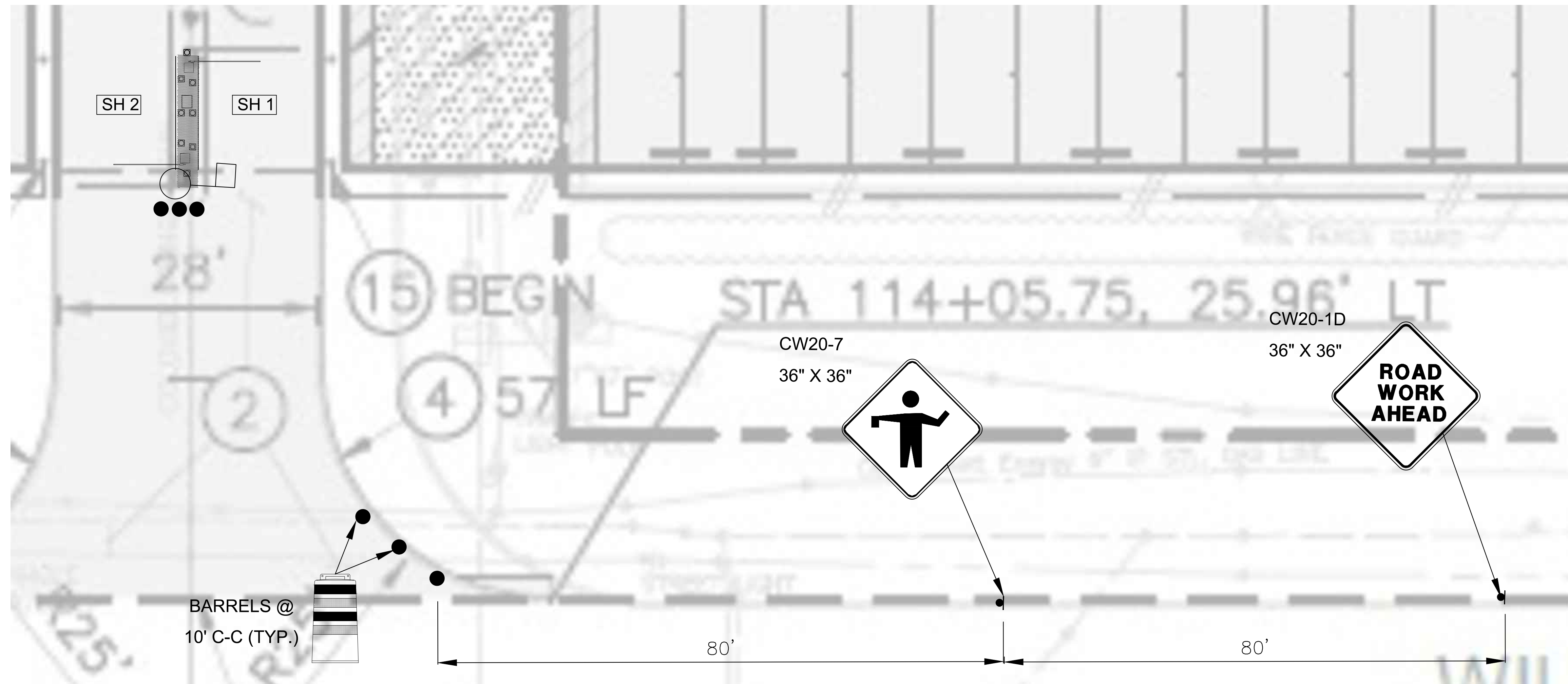
S. NO. \_\_\_\_\_  
**HIKE-PARCS-2020-003**  
 SIT NO. \_\_\_\_\_

CP-91

# PHASE 8



2 WILL CLAYTON ECOPARK 2 BUS EXIT LOCATION (GROUND LEVEL)  
CX1-144 SCALE: 1"=100'-0"

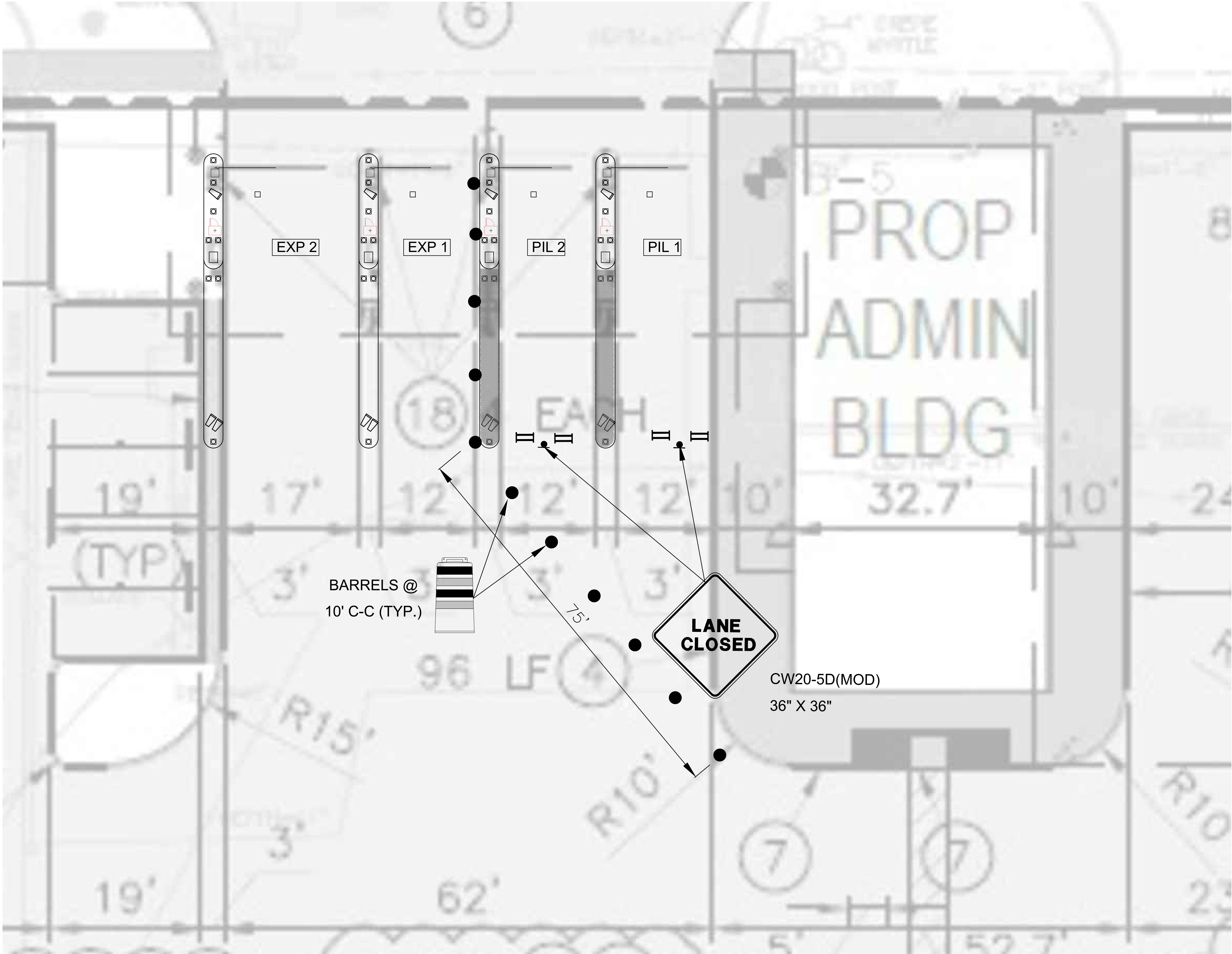


1 WILL CLAYTON ECOPARK 2 BUS ENTRY/EXIT LOCATION (GROUND LEVEL)  
CX1-144 SCALE: 1"=100'-0"









LEGEND

●

BARREL (DRUM)/  
CHANNELIZING DEVICE

●

SIGN

⏏

TYPE 3 BARRICADE

↩

DIRECTION OF TRAVEL

■

WORK AREA

⏏

FLAGGER

●

FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLARK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TTYPE: FPM REGISTRATION# 003

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REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)  
TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

02/25/2020

APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

TCP-93

1 WILL CLAYTON 2 ECOPARK EXIT LOCATION (GROUND LEVEL)  
CX1-143 SCALE: 1"=100'-0"

PHASE 9 STEP B





LEGEND

BARREL (DRUM)/  
CHANNELIZING DEVICE

SIGN

TYPE 3 BARRICADE

DIRECTION OF TRAVEL

WORK AREA

FLAGGER

FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS

Kimley»Horn

Kimley-Horn and Associates, Inc.

1400 Woodloch Forest Drive, Suite 225

The Woodlands, TX 77380

Phone: 281-475-2816

Toll Free: 800-451-7222

www.kimley-horn.com

REVISIONS

NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL  
SYSTEMS (PARCS) GEORGE BUSH  
INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR: CDR

DESIGNER: IMR

DRAWN BY: KHA

CHECKED BY: MI

SCALE: NTS

DATE: 02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

Professional Engineer

*P. Manu Isaac*

02/25/2020

APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800

C.I.P. NO.

H.A.S. NO.

PN HKE-PARCS-2020-003

SHEET NO.

TCP-94

1

CX1-142

WILL CLAYTON ECOPARK 2 ENTRY LOCATION (GROUND LEVEL)

SCALE: 1"=100'-0"

# PHASE 9 STEP A








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# PHASE 9 STEP B

# LEGEND

	BARREL (DRUM)/ CHANNELIZING DEVICE
	SIGN
	TYPE 3 BARRICADE
	DIRECTION OF TRAVEL
	WORK AREA
	FLAGGER
	FLAGGER STATION





LEGEND

●

BARREL (DRUM)/  
CHANNELIZING DEVICE

●

SIGN

II

TYPE 3 BARRICADE

↑

DIRECTION OF TRAVEL

■

WORK AREA

□○

FLAGGER

●○

FLAGGER STATION

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTON

TEXAS

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLICK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TWIST: FPM RECREATION/F-033

WWW.KIMLEY-HORN.COM

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE CONTROL

SYSTEMS (PARCS) GEORGE BUSH

INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC CONTROL PLAN

PROJECT MGR:	CDR
DESIGNER:	IMR
DRAWN BY:	KHA
CHECKED BY:	MI
SCALE:	NTS
DATE:	02/25/2020

STATE OF TEXAS

P. MANU ISAAC

87758

PROFESSIONAL ENGINEER

02/25/2020

APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**

C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**

SHEET NO.

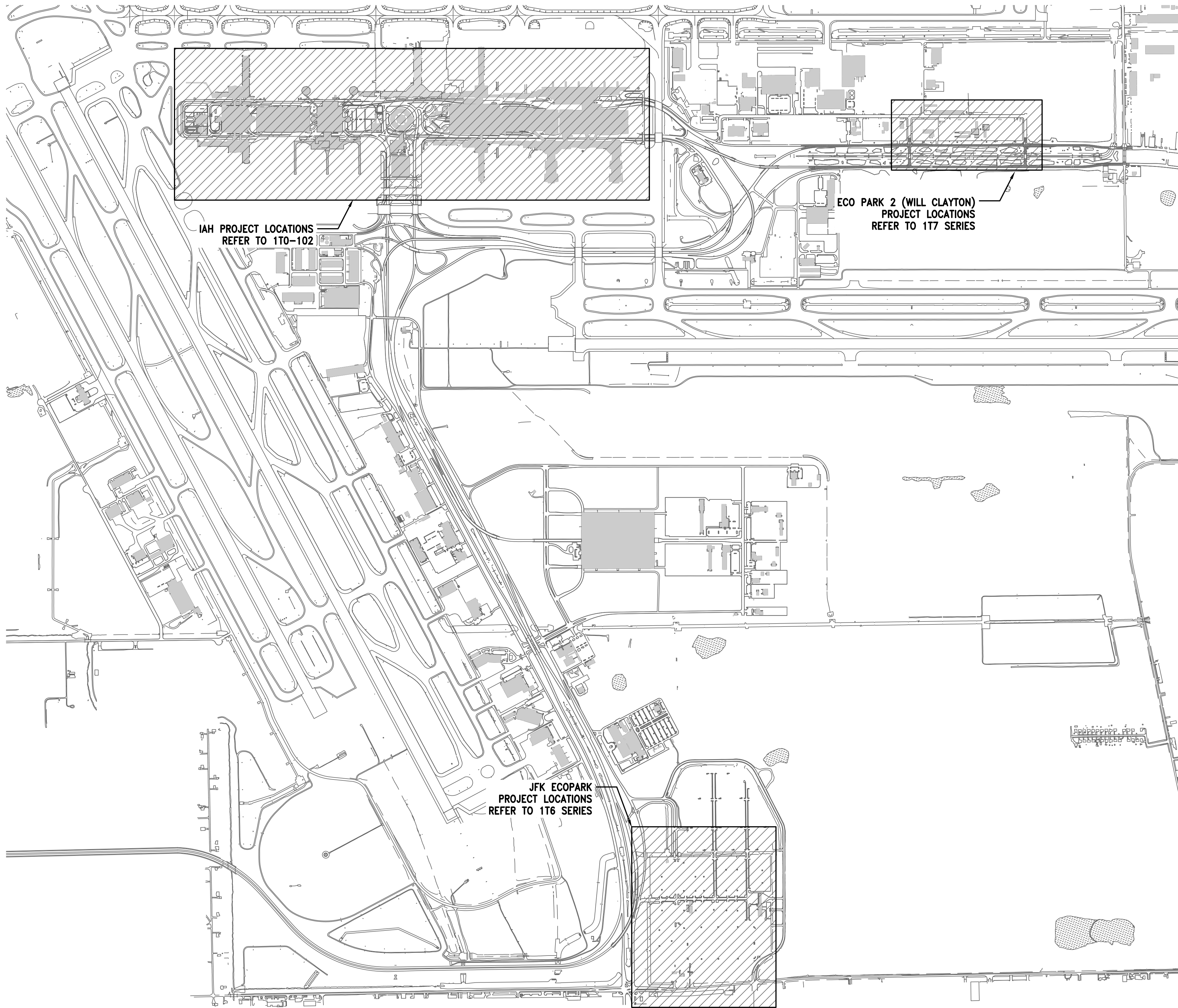
TCP-96

# PHASE 9 STEP C

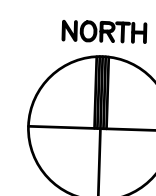








1 IAH PARKING SYSTEM OVERALL SITE PLAN  
SCALE: N.T.S.



**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

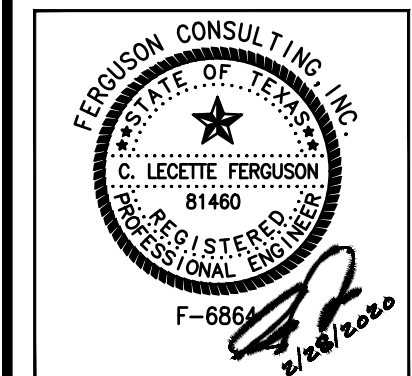
**Kimley-Horn**  
KIMLEY-HORN ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
FAX: 281-475-2817  
WWW.KIMLEY-HORN.COM

**Ferguson Consulting**  
CONSULTING ENGINEERS  
10000 WOODLAND DRIVE, SUITE 100  
HOUSTON, TEXAS 77060  
PHONE: 281-475-2816  
FAX: 281-475-2817

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
IAH PARKING SYSTEM OVERALL SITE PLAN

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.

1T0-101





HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley-Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLARK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: 5-528  
WWW.KIMLEY-HORN.COM

**Ferguson Consulting**  
Ferguson Consulting, Inc.  
1002 WOODLARK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TEXAS 77380  
(281) 475-2816 FAX: (281) 475-2814

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
IAH OVERALL TERMINAL SITE PLAN

PROJECT MGR: LF  
DESIGNER: PM  
DRAWN BY: FR  
CHECKED BY: LF  
SCALE: AS SHOWN  
DATE: 2/28/2020



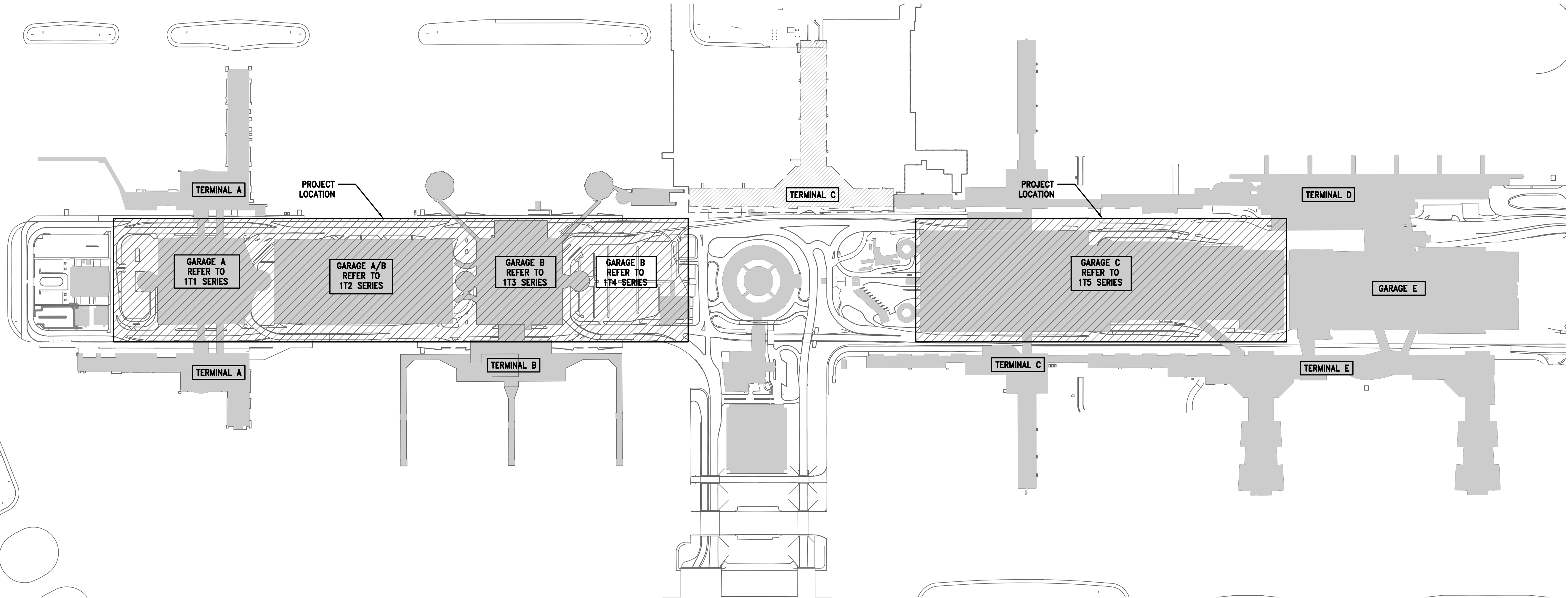
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

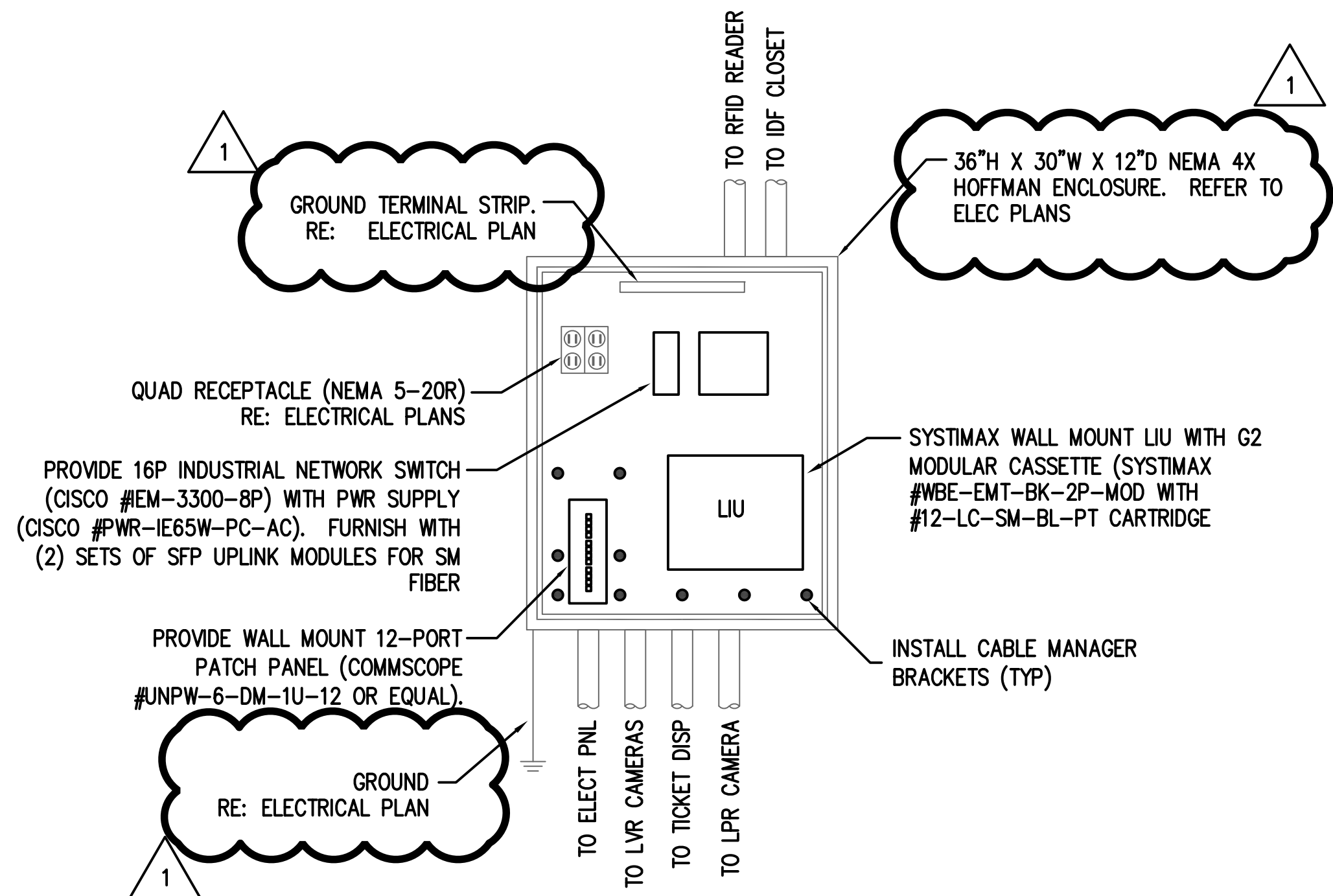
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**PN HKE-PARCS-2020-003**  
SHEET NO.

1T0-102

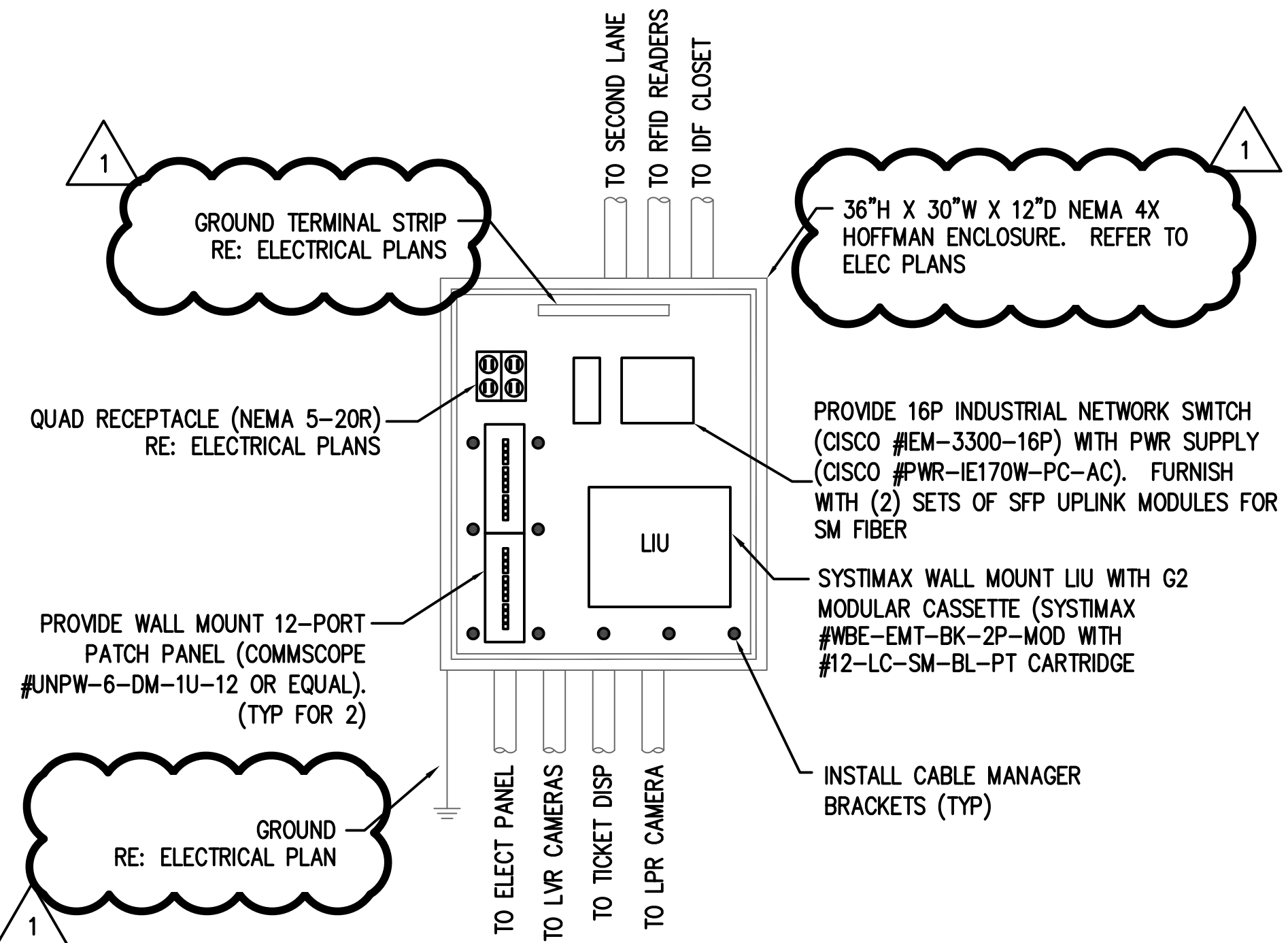


1 IAH-OVERALL TERMINAL SITE PLAN  
SCALE: N.T.S.

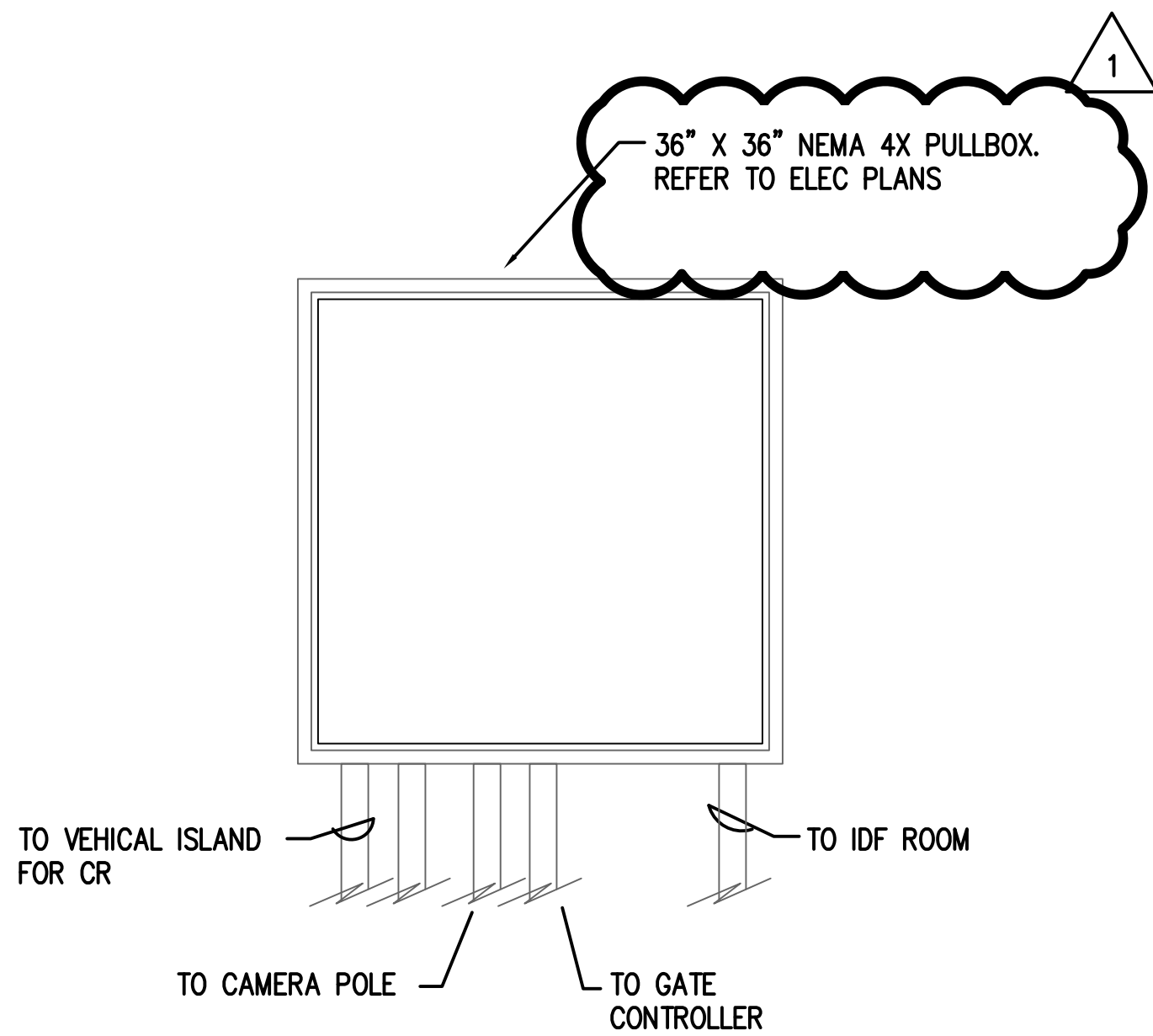




**1 TECHNOLOGY ENCLOSURE DETAIL-1 LANE**  
SCALE: NTS



**2 TECHNOLOGY ENCLOSURE DETAIL-2 LANE**  
SCALE: NTS

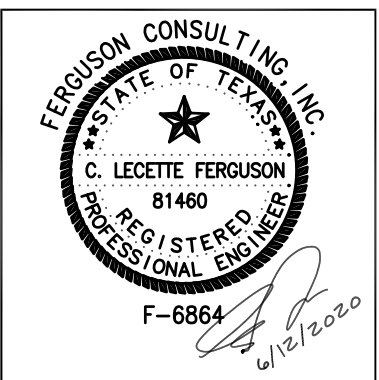


**3 ELEVATED PULLBOX DETAIL**  
SCALE: NTS

REVISIONS		
NO.	DESCRIPTION	DATE BY
1	PERMIT REVISION 1	06/12/20 FCI

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
TYPICAL TECHNOLOGY DETAILS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

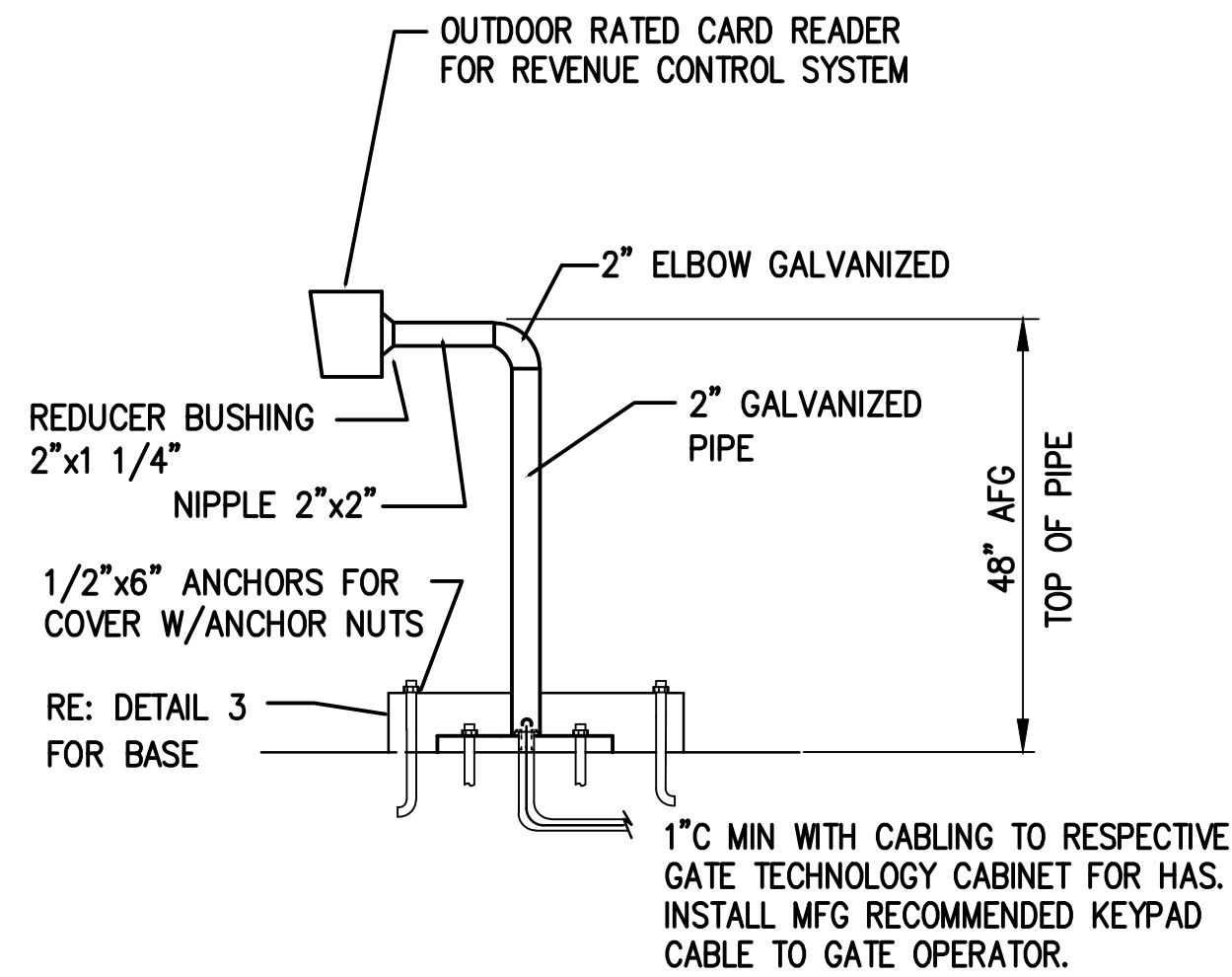
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

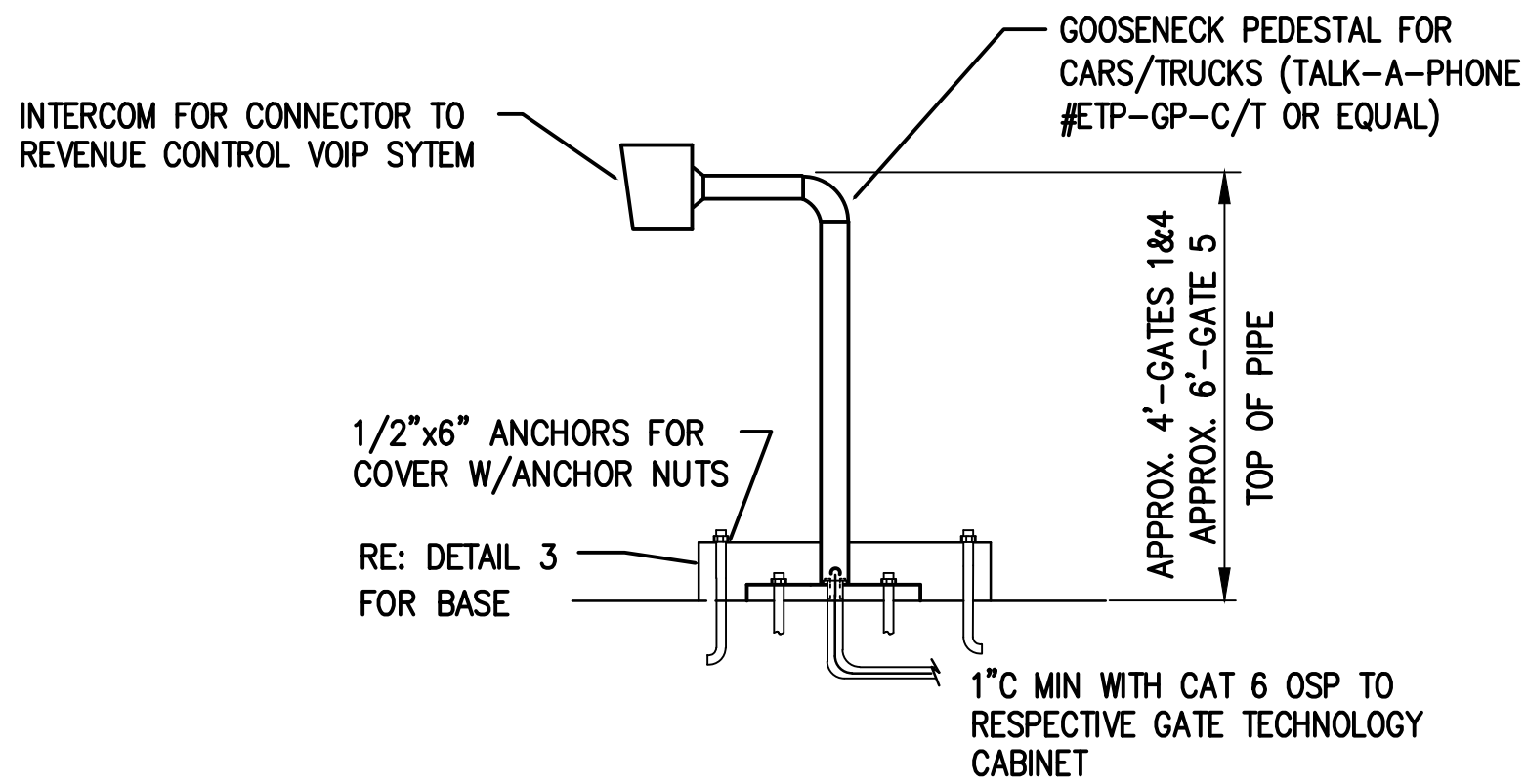
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**PN HKE-PARCS-2020-003**  
SHEET NO.

1T0-401

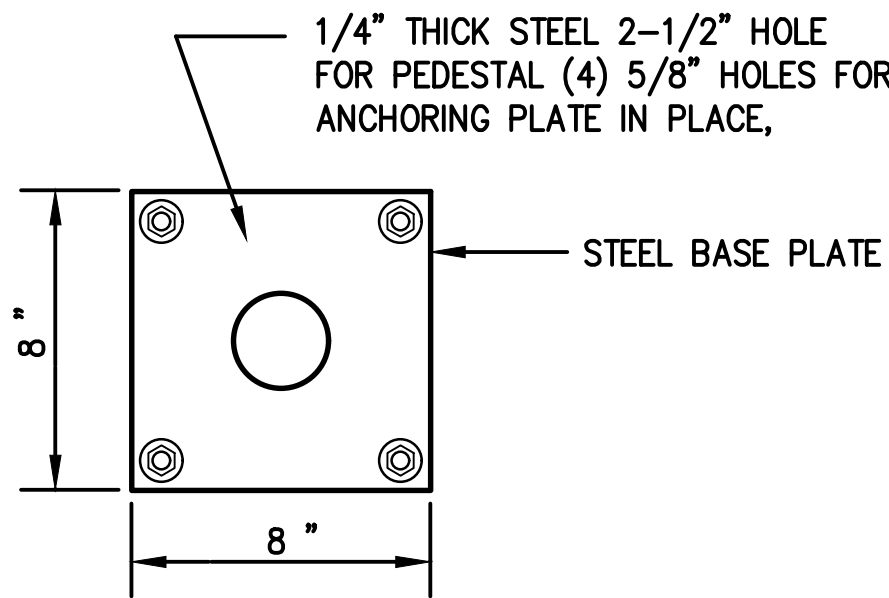
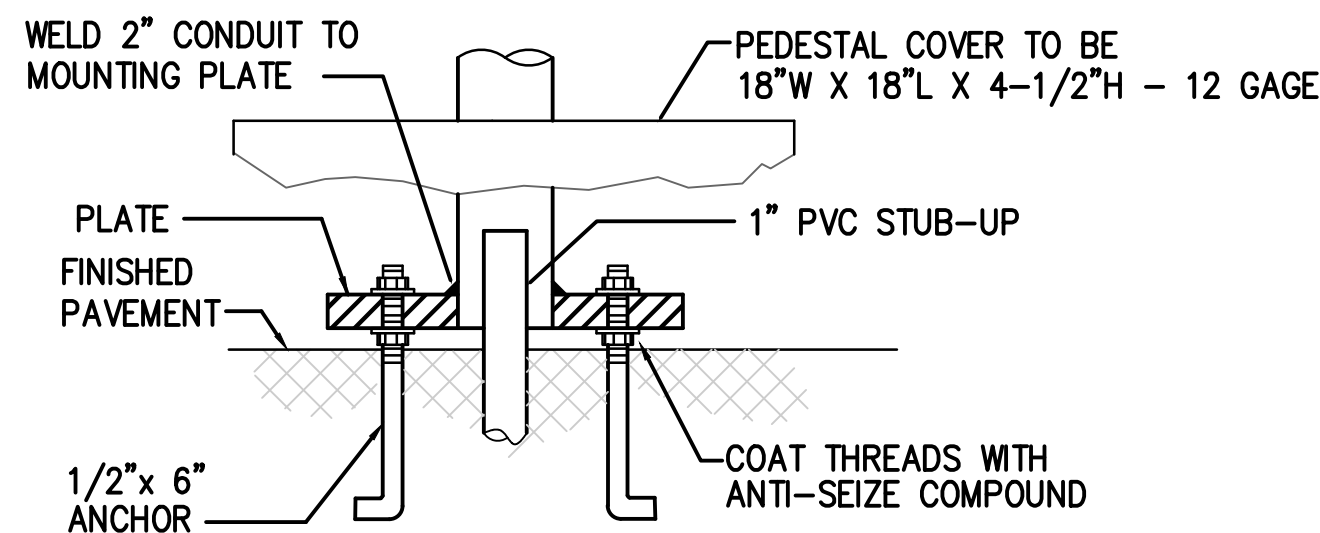




**1 CARD READER MOUNTING DETAILS**  
SCALE: NTS



**2 GATE TELEPHONE MOUNTING DETAILS**  
SCALE: NTS



**3 PEDESTAL BASE DETAILS**  
SCALE: NTS

### PEDESTAL BASE DETAIL NOTES

#### PEDESTAL FABRICATION NOTES:

1. ALL PARTS SHALL BE GALVANIZED.
2. FITTINGS SHALL BE TAPPED, THREADED, AND PROVIDED WITH SET SCREWS TO PREVENT THEM FROM TWISTING OUT OF ALIGNMENT.
3. THE MOUNTING FOR THE CARD READER SHALL BE A PLATE OR BOX WITH A SUITABLE SHROUD TO PROTECT THE READER FROM THE WEATHER.

#### ALTERNATE PEDASTSAL DESIGN:

1. THE CARD READER AND TELEPHONE MAY BE CO-LOCATED TO A COMMON PEDASTAL.
2. THERE ARE A NUMBER OF LOCAL VENDORS THAT OFFER PEDASTALS FABRICATED FROM TUBULAR STEEL WITH BAKED ENAMEL OR EPOXY POWDER COAT FINISHES THAT ARE AS DURABLE AS GALVANIZED STEEL.



**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley-Horn**  
KIMLEY-HORN ASSOCIATES, INC.  
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THE WOODLANDS, TX 77380  
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**Ferguson Consulting**  
FERGUSON CONSULTING, INC.  
1000 WOODLARK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TEXAS 77380  
CITY 281-475-2816 FAX 281-475-2816

REVISIONS		
NO.	DESCRIPTION	DATE BY

**PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
TYPICAL DETAILS**

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

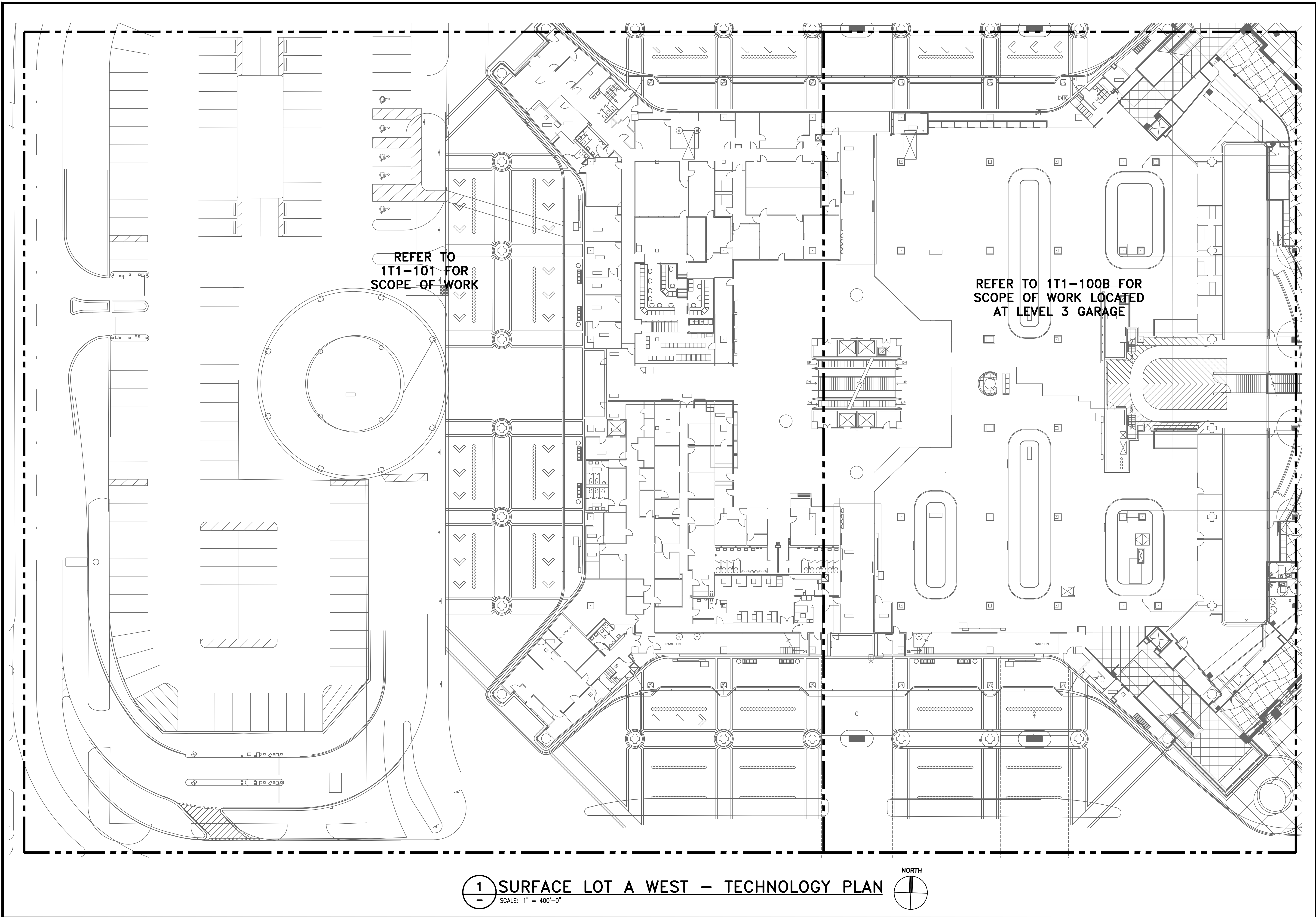
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

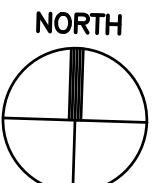
H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T0-402





1 SURFACE LOT A WEST - TECHNOLOGY PLAN  
SCALE: 1" = 400'-0"



**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley-Horn**  
KIMLEY-HORN ASSOCIATES, INC.  
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THE WOODLANDS, TEXAS 77380  
(281) 475-2816 FAX (281) 475-2817

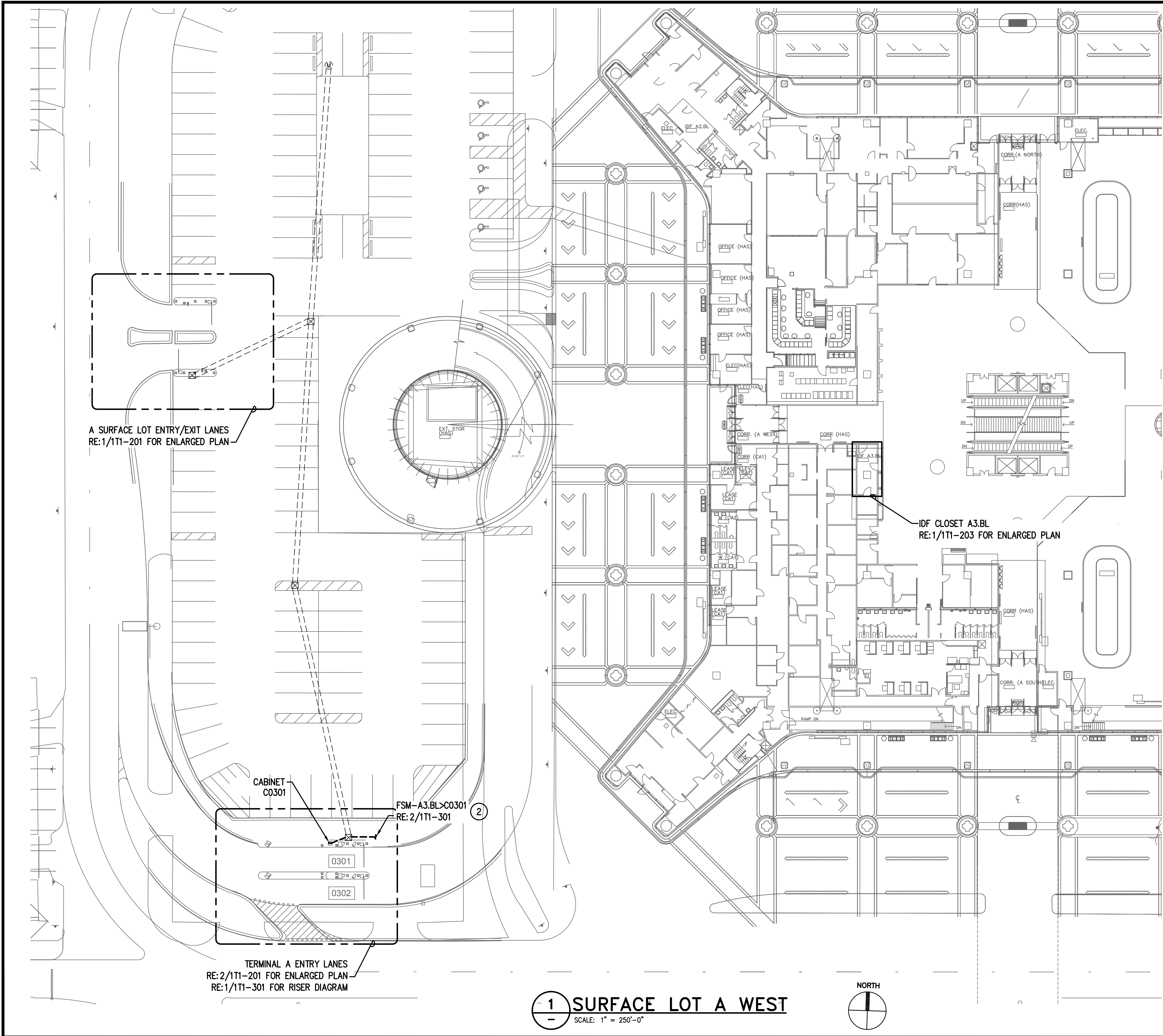
REVISIONS		
NO.	DESCRIPTION	DATE BY

**PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
A GARAGE OVERALL SITE PLAN**

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020

APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. <b>067810800</b>	
C.I.P. NO.	
H.A.S. NO. <b>PN HKE-PARCS-2020-003</b>	
SHEET NO. <b>1T1-100</b>	





**GENERAL NOTES:**

1. FIELD COORDINATE ALL CONDUIT PATHWAYS WITH EXISTING STRUCTURE AND UTILITIES. ROUTE CONDUIT AS HIGH AS POSSIBLE. CONTRACTOR HAS THE OPTION TO UTILIZE EXISTING PATHWAYS WHERE AVAILABLE.

**KEYED NOTES:**

1. INSTALL NEW FIBER CABLE IN EXISTING UNDERGROUND PATHWAY.
2. ROUTE CABLES SHOWN THROUGH EXISTING CONDUIT TO IDF A2.BL. CONTRACTOR TO FIELD VERIFY EXISTING PATHWAY PRIOR TO INSTALLATION.

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

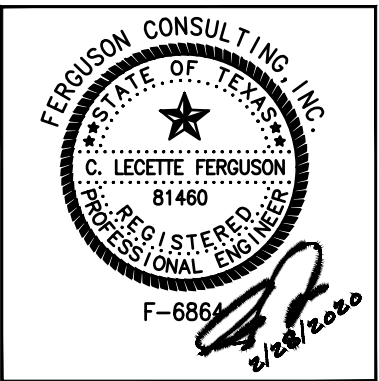
**Kimley-Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
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THE WOODLANDS, TX 77380  
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1502 WOODLARK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TEXAS 77380  
(281) 475-2816 FAX (281) 475-2817

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
A GARAGE - SURFACE LOT SITE

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T1-101

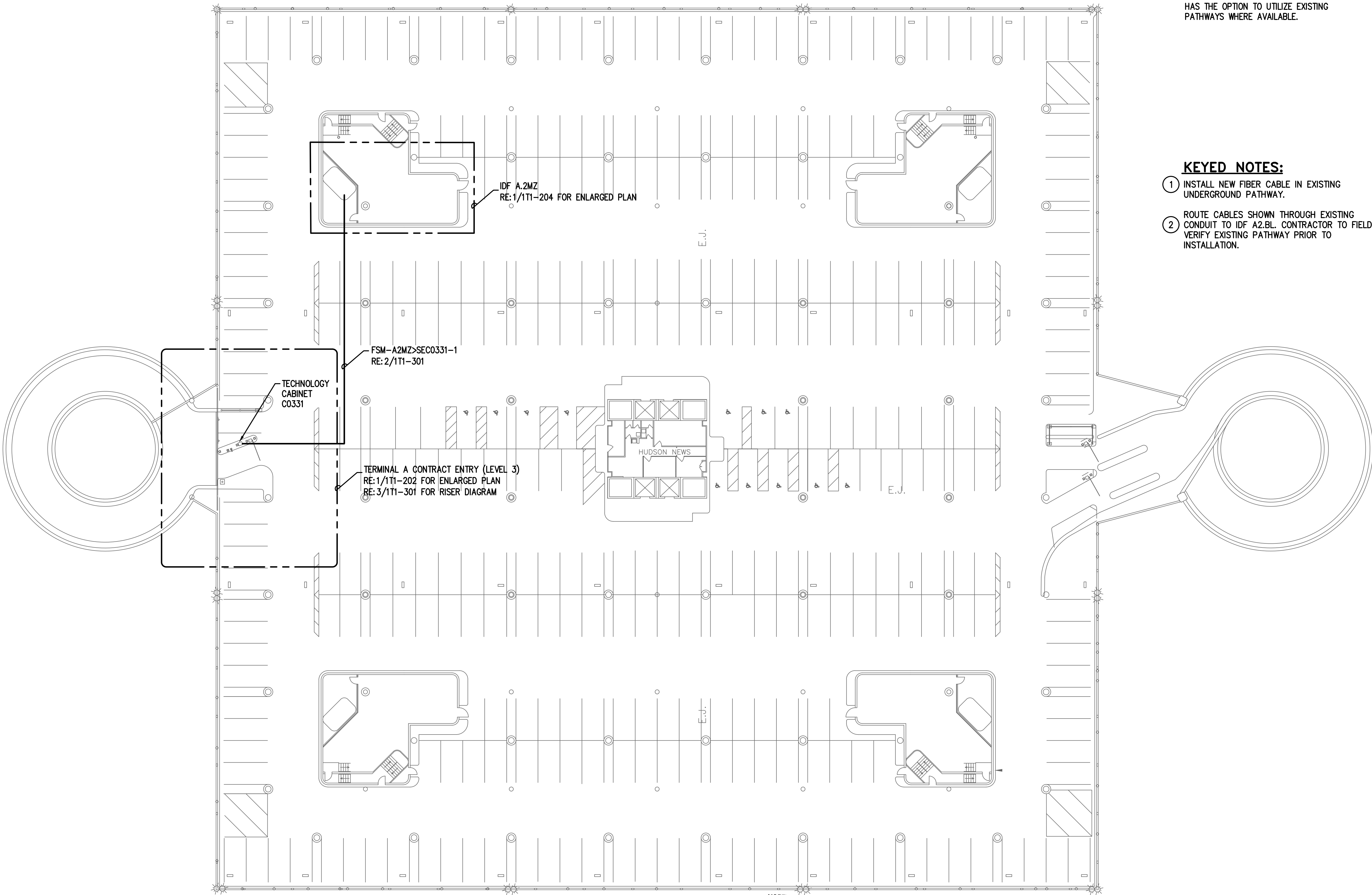


GENERAL NOTES:

1. FIELD COORDINATE ALL CONDUIT PATHWAYS WITH EXISTING STRUCTURE AND UTILITIES. ROUTE CONDUIT AS HIGH AS POSSIBLE. CONTRACTOR HAS THE OPTION TO UTILIZE EXISTING PATHWAYS WHERE AVAILABLE.

KEYED NOTES:

1. INSTALL NEW FIBER CABLE IN EXISTING UNDERGROUND PATHWAY.
2. ROUTE CABLES SHOWN THROUGH EXISTING CONDUIT TO IDF A2.BL. CONTRACTOR TO FIELD VERIFY EXISTING PATHWAY PRIOR TO INSTALLATION.



1 A GARAGE LEVEL 3 SITE  
SCALE: 1" = 250'-0"

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

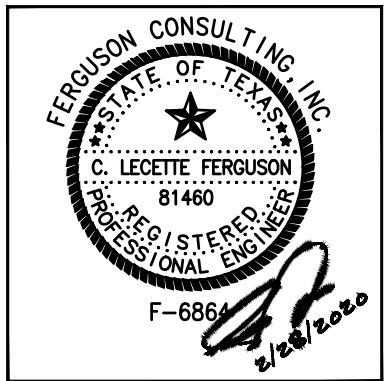
**Kimley-Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
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PHONE: 281-475-2816  
FAX: 281-475-2817  
WWW.KIMLEY-HORN.COM

**Ferguson Consulting**  
CONSULTING ENGINEERS  
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THE WOODLANDS, TEXAS 77380  
(281) 475-2816 FAX (281) 475-2817

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
A GARAGE - SURFACE LOT SITE

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

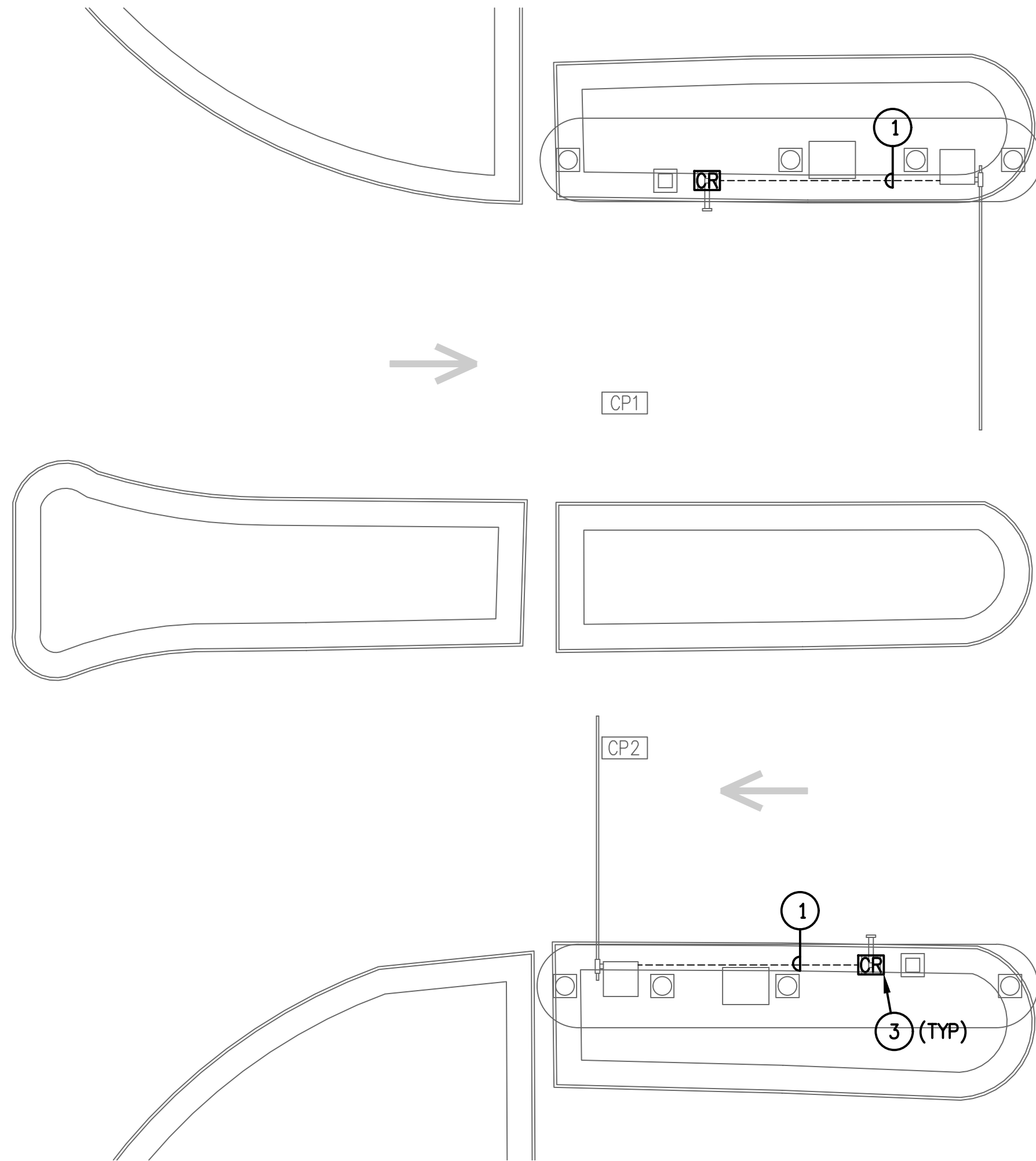
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HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

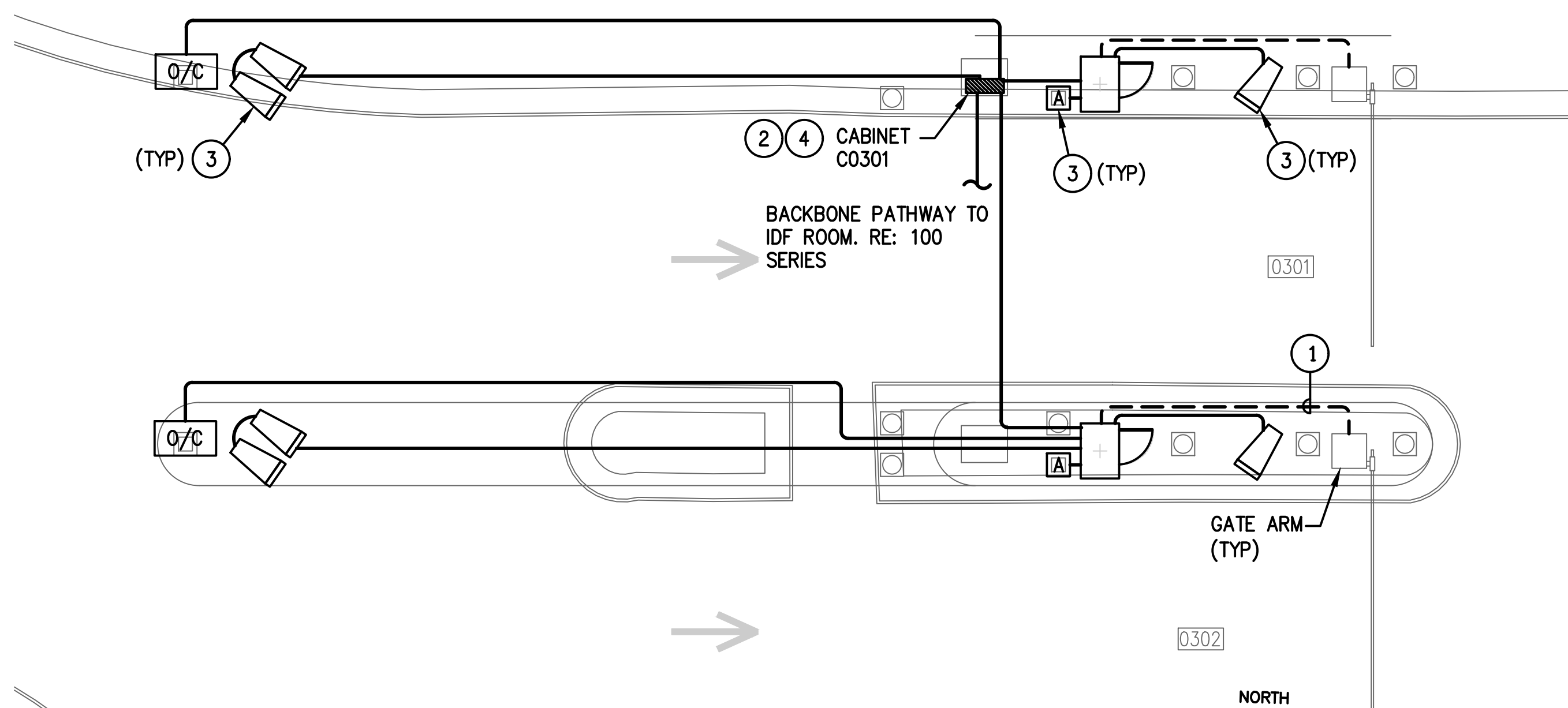
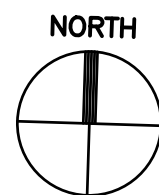
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**PN HKE-PARCS-2020-003**  
SHEET NO.

1T1-102

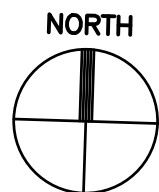




1 A SURFACE LOT ENTRY/EXIT ENLARGED PLAN  
SCALE: 1/4" = 1'-0"



2 TERMINAL A ENTRY LANES ENLARGED PLAN  
SCALE: 1/4" = 1'-0"



GENERAL NOTES:

- EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
- REFER TO 1TX-300 SERIES FOR RISER DIAGRAMS, CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1TX-400 SERIES FOR EQUIPMENT DETAILS. REFER TO OTX-400 FOR TYPICAL EQUIPMENT DETAILS
- REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION
- FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED
- ALL CONDUIT SHALL BE FURNISHED AND INSTALLED UNDER DIV. 26, BUT SHALL FOLLOW DIV. 27 INSTALLATION REQUIREMENTS
- COORDINATE ALL IDF ROOM WORK WITH RESPECTIVE OWNERS IT GROUP. PROVIDE A MINIMUM OF 30 DAYS NOTICE BEFORE WORKING IN ANY EXISTING IDF ROOM. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS TO BE MET BEFORE TURNING ANY NEW IDF ROOM OVER TO RESPECTIVE OWNER

KEYED NOTES:

- UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- MOUNT ON NEW UNISTRUT RACK
- MOUNT ON PEDESTAL. REFER TO OT0-402 FOR MOUNTING DETAILS.
- PROVIDE 2-LANE TECHNOLOGY ENCLOSURE. REFER TO OT0-401.
- PROVIDE SECURITY ENCLOSURE. TYPE NOTED IN PLAN. REFER TO OT0-401 FOR DETAIL.

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

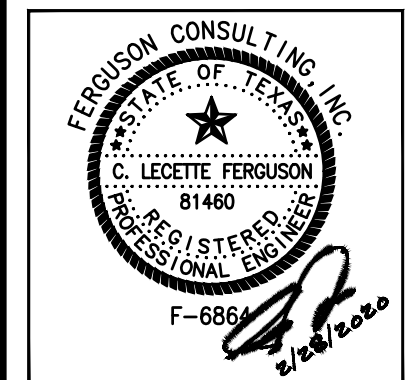
**Kimley-Horn**  
KIMLEY-HORN ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
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**Ferguson Consulting**  
FERGUSON CONSULTING, INC.  
1000 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TEXAS 77380  
PH: 281-475-2816 FAX: 281-475-2817

REVISIONS		
NO.	DESCRIPTION	DATE

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
A GARAGE - ENLARGED PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

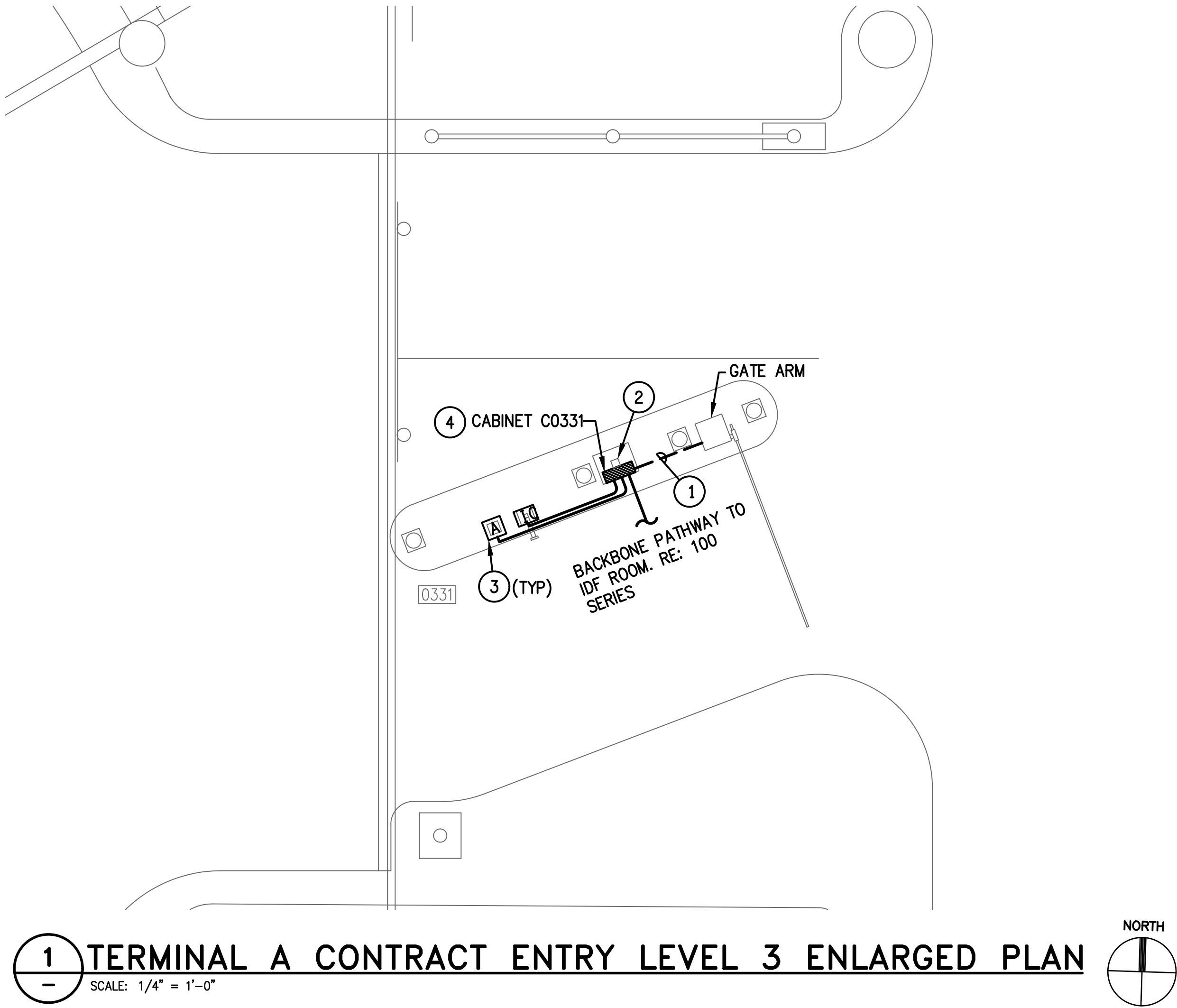
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T1-201





1 TERMINAL A CONTRACT ENTRY LEVEL 3 ENLARGED PLAN  
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

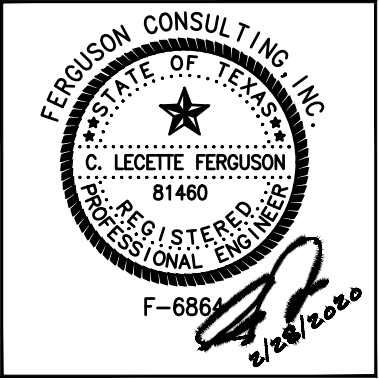
- EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
- REFER TO 1TX-300 SERIES FOR RISER DIAGRAMS, CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1TX-400 SERIES FOR EQUIPMENT DETAILS. REFER TO OTX-400 FOR TYPICAL EQUIPMENT DETAILS
- REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION
- FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED
- ALL CONDUIT SHALL BE FURNISHED AND INSTALLED UNDER DIV. 26, BUT SHALL FOLLOW DIV. 27 INSTALLATION REQUIREMENTS
- COORDINATE ALL IDF ROOM WORK WITH RESPECTIVE OWNERS IT GROUP. PROVIDE A MINIMUM OF 30 DAYS NOTICE BEFORE WORKING IN ANY EXISTING IDF ROOM. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS TO BE MET BEFORE TURNING ANY NEW IDF ROOM OVER TO RESPECTIVE OWNER

KEYED NOTES:

- UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- STEEL POST FROM GARAGE GRADE TO BOTTOM OF GARAGE CEILING FOR SUPPORT OF CONDUIT. REFER TO ELECTRICAL PLANS.
- MOUNT ON PEDESTAL. REFER TO OT0-402 FOR MOUNTING DETAILS.
- PROVIDE 1-LANE TECHNOLOGY ENCLOSURE. REFER TO OT0-401.

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
A GARAGE - ENLARGED PLANS

PROJECT MGR: LF  
DESIGNER: PM  
DRAWN BY: FR  
CHECKED BY: LF  
SCALE: AS SHOWN  
DATE: 2/28/2020



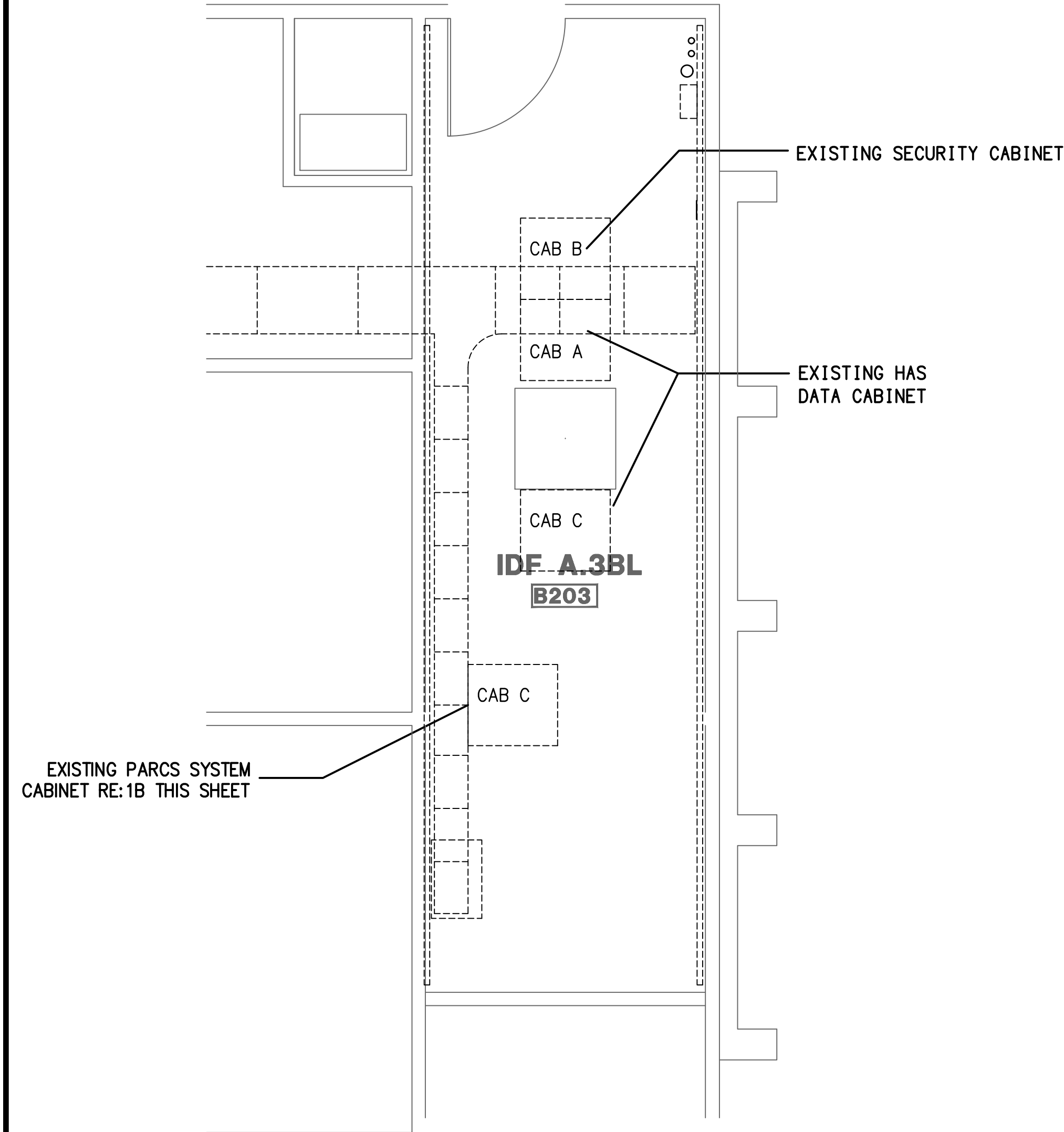
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

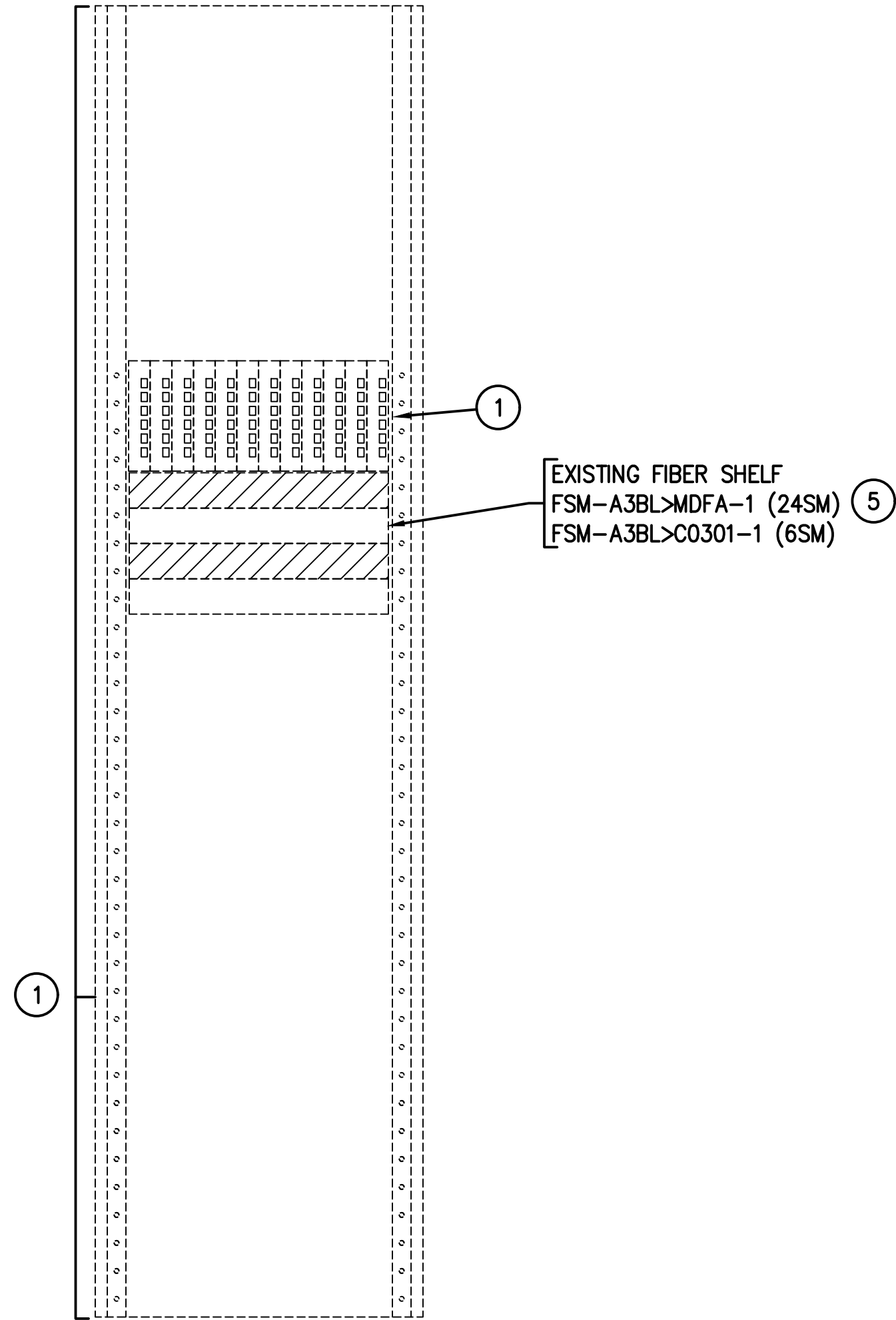
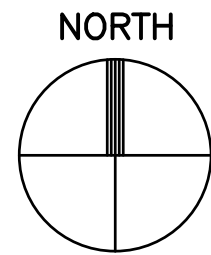
PROJECT NO.  
067810800  
C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.

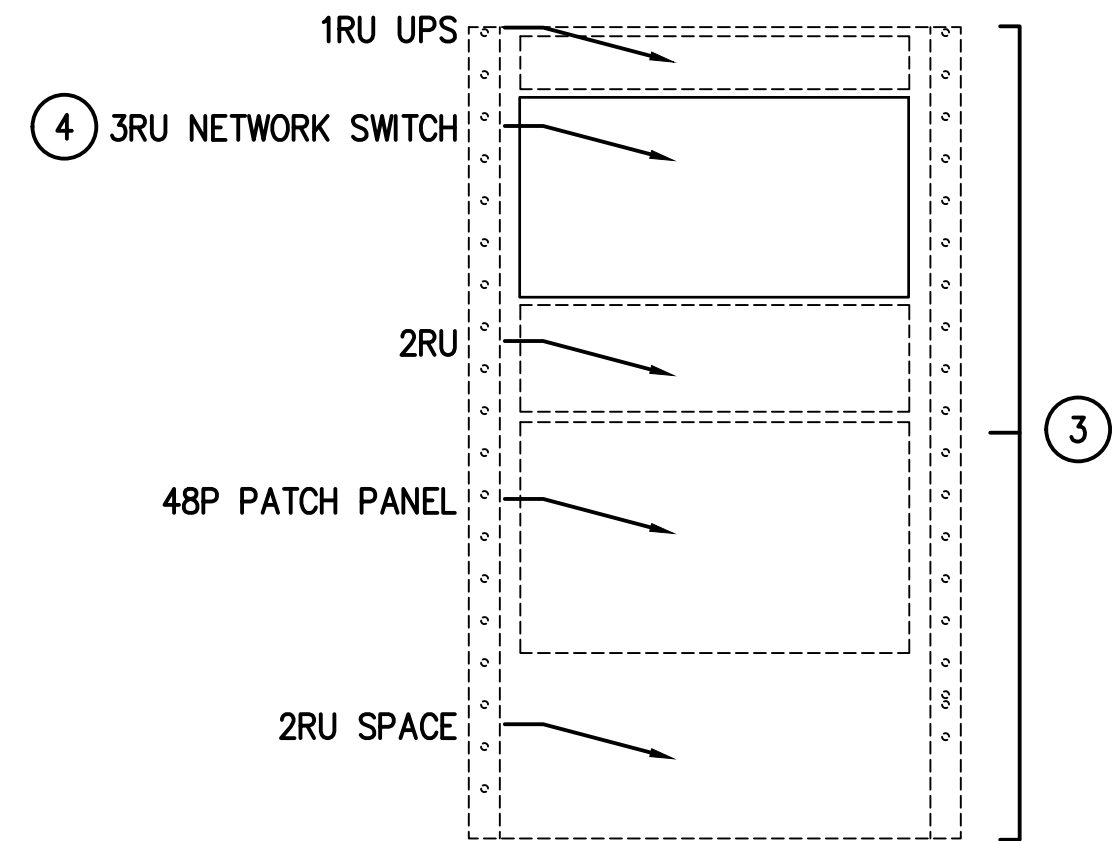




**1**  
—  
ENLARGED PLAN — IDFA.3BL  
SCALE: 1/4" = 1'-0"



**1A**  
—  
CABINET ELEVATION — IDF-A3.BL  
SCALE: N.T.S.

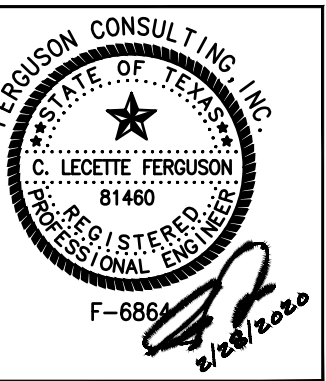


**1B**  
—  
PARCS SYSTEM CABINET ELEVATION  
SCALE: N.T.S.

- KEYED NOTES:**
- 1 EXISTING EQUIPMENT SHOWN FOR REFERENCE ONLY UNLESS OTHERWISE NOTED.
  - 2 NEW 48 PORT PATCH PANEL INCLUDING PRE-LOADED FIBER PIGTAIL CARTRIDGES. TERMINATE NEW FIBER OPTIC CABLE NOTED.
  - 3 REMOVE EXISTING CABLES WHICH BECOME ABANDONED. RE-USE EXISTING PATHWAY TO SITE
  - 4 PROVIDE NEW 24P NETWORK SWITCH WITH FIBER UPLINK MODULES. PROVIDE FIBER PATCH CORD FROM SWITCH TO HAS FIBER CABINET.
  - 5 TERMINATE NEW FIBER CABLE IN EXISTING SYSTIMAX IPATCH FIBER PATCH PANEL. PROVIDE NEW DUPLEX LC COUPLING PANEL IN AVAILABLE SPACE. LABEL FIBER PANEL PORTS.

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
A GARAGE - IDF ENLARGED PLAN

PROJECT MGR: LF  
DESIGNER: PM  
DRAWN BY: FR  
CHECKED BY: LF  
SCALE: AS SHOWN  
DATE: 2/28/2020



APPROVED BY: DATE:

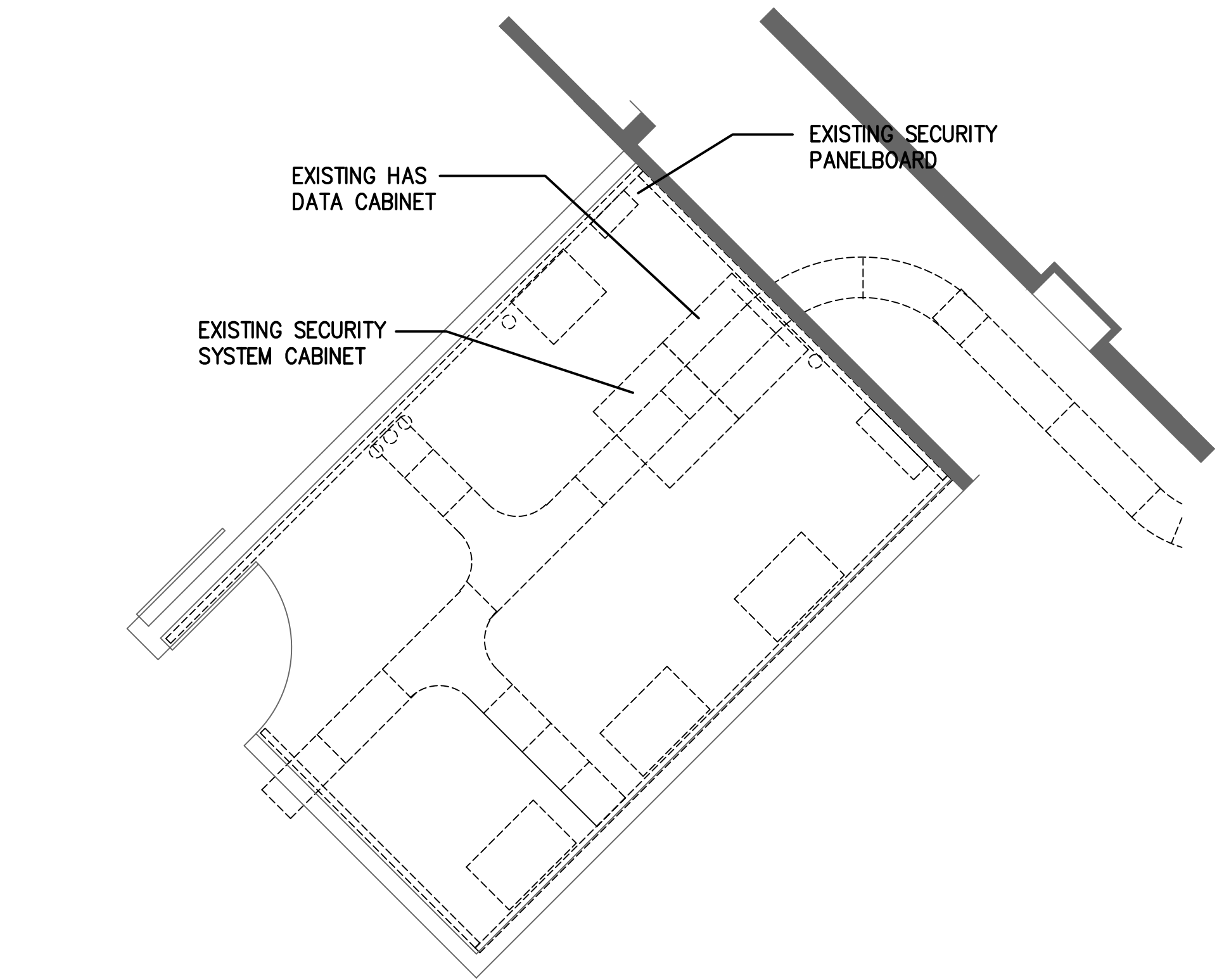
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

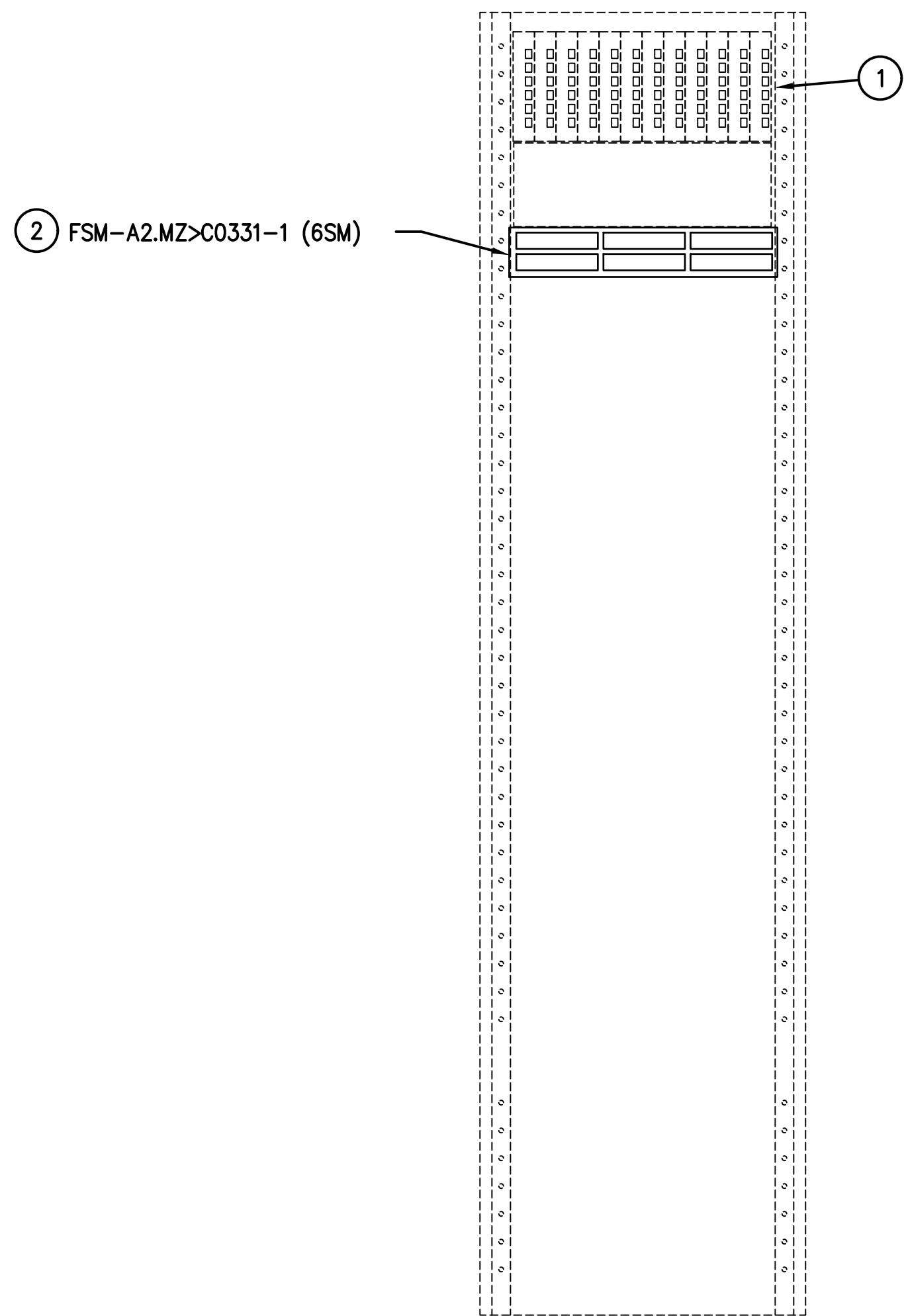
1T1-203





1 TERMINAL 'A' LEVEL MZ-IDFA.2MZ  
SCALE: 1/4" = 1'-0"

NORTH



CABINET 02.01  
1A RACK ELEVATION - IDF-A2.MZ  
SCALE: N.T.S.

KEYED NOTES:

- 1 EXISTING EQUIPMENT SHOWN FOR REFERENCE ONLY UNLESS OTHERWISE NOTED.
- 2 NEW 48 PORT PATCH PANEL INCLUDING PRE-LOADED FIBER PIGTAIL CARTRIDGES. TERMINATE NEW FIBER OPTIC CABLE NOTED.
- 3 REMOVE EXISTING CABLES WHICH BECOME ABANDONED. RE-USE EXISTING PATHWAY TO SITE
- 4 PROVIDE NEW 24P NETWORK SWITCH WITH FIBER UPLINK MODULES. PROVIDE FIBER PATCH CORD FROM SWITCH TO HAS FIBER CABINET.
- 5 TERMINATE NEW FIBER CABLE IN EXISTING SYSTIMAX IPATCH FIBER PATCH PANEL. PROVIDE NEW DUPLEX LC COUPLING PANEL IN AVAILABLE SPACE. LABEL FIBER PANEL PORTS.

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

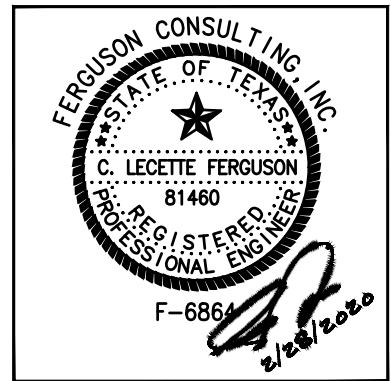
**Kimley-Horn**  
KIMLEY-HORN ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION F-686  
WWW.KIMLEY-HORN.COM

**Ferguson Consulting**  
FERGUSON CONSULTING, INC.  
1002 ROCKING HILL RD, SUITE 400  
THE WOODLANDS, TEXAS 77380  
CNO 786-4528 FAX 786-4524

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
A GARAGE - IDF ENLARGED PLAN

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



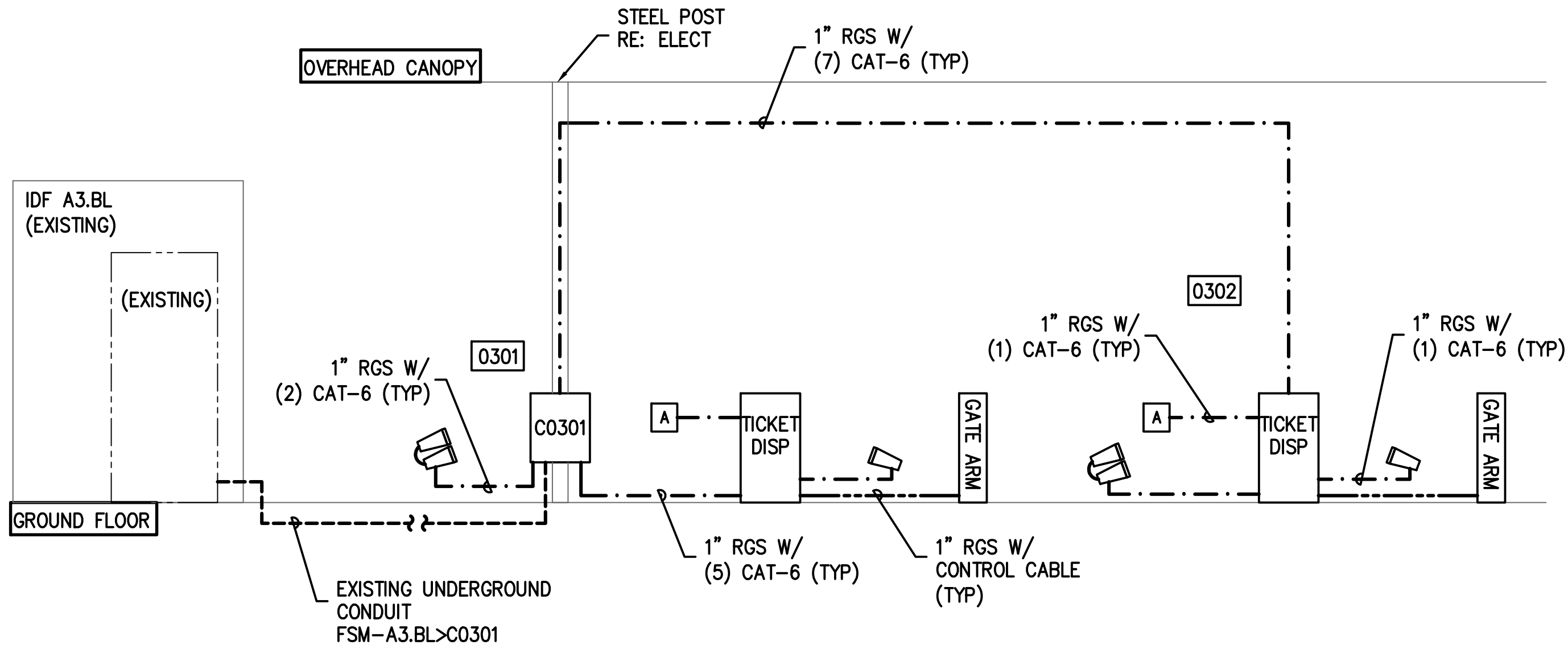
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

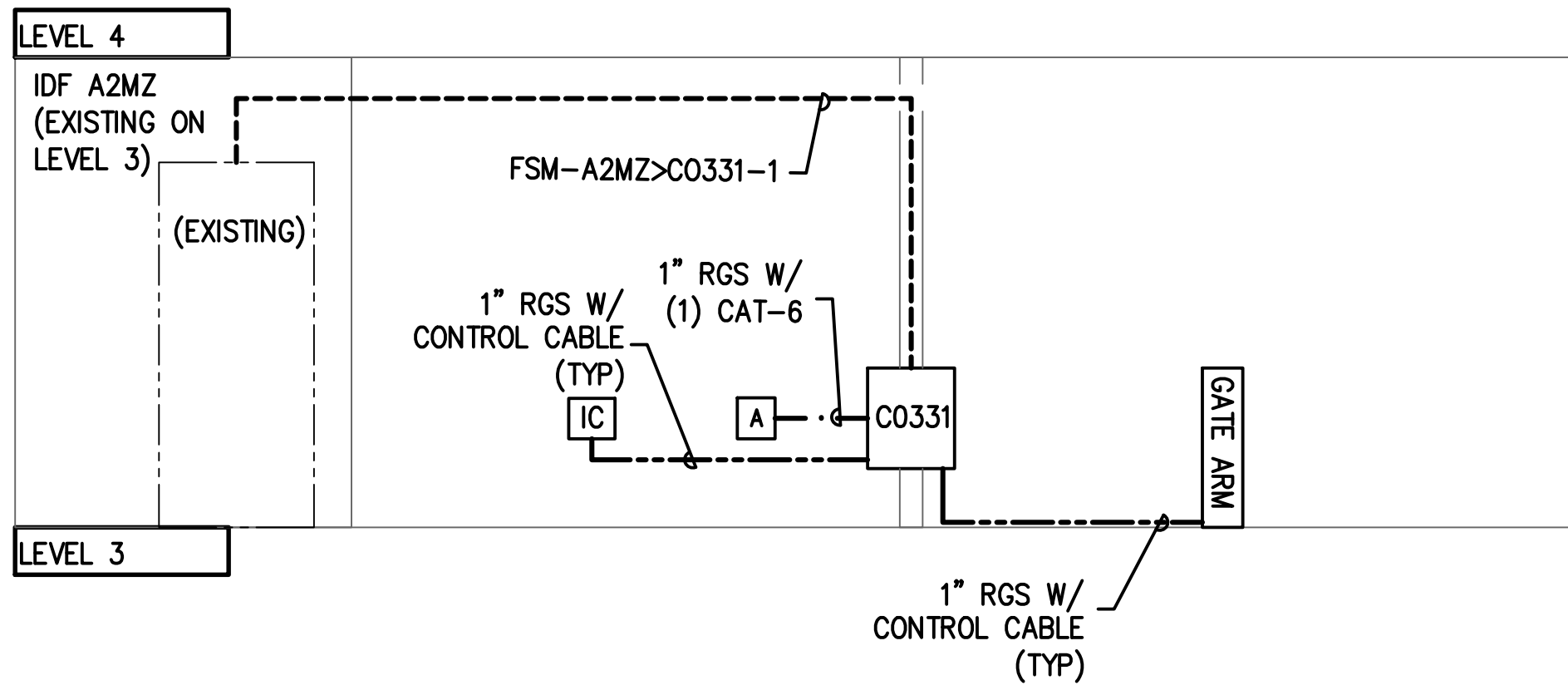
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067810800  
C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.





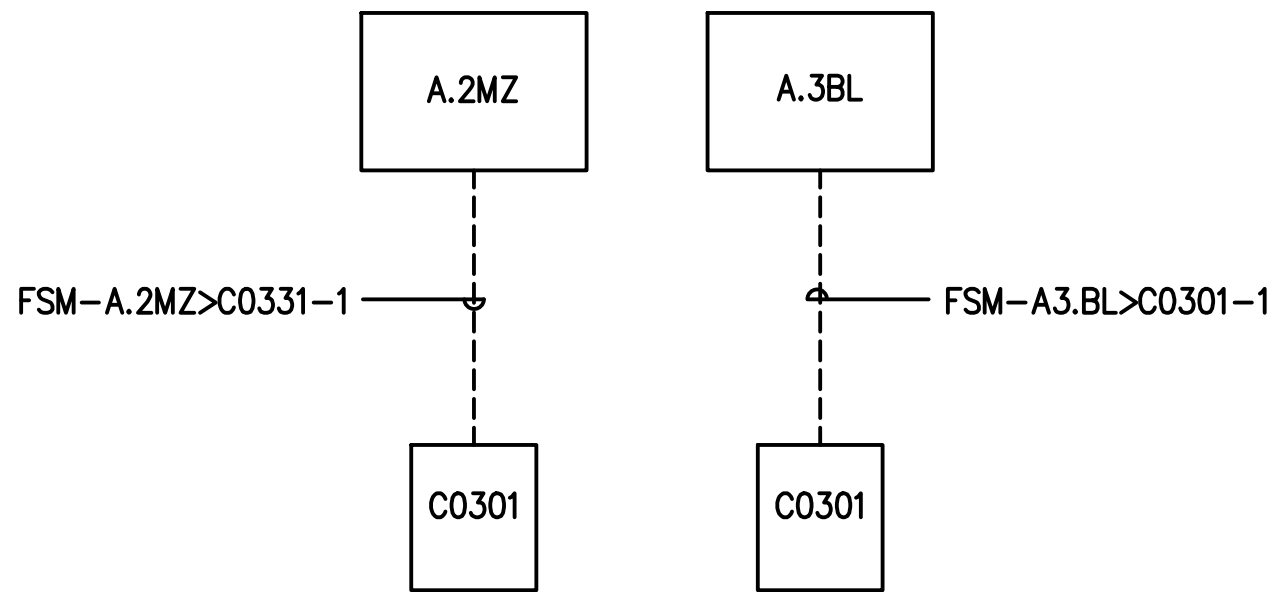
1 A GARAGE CONTRACT ENTRY RISER DIAGRAM  
SCALE: NTS



3 TERMINAL A CONTRACT ENTRY (LEVEL 3) – RISER DIAGRAM  
SCALE: NTS

GENERAL NOTES:

1. CONTRACTOR TO VERIFY CABLE QUANTITIES W/ MANUFACTURER SPECIFICATIONS



WIRING LEGEND

- NEW CABLE IN EXISTING PATHWAY  
———— NEW CABLE IN NEW PATHWAY

2 FIBER BACKBONE BLOCK DIAGRAM  
SCALE: NTS

FIBER OPTIC CABLES TO BE INSTALLED					
ITEM#	CABLE ID	ORIGIN	DESTINATION	STRAND TYPE	COUNT
1	FSM-A2.BL>C0301-1	IDF-A2.BL	CABINET 0301	SM	6
2	FSM-A2.BL>CP1-1	IDF-A2.BL	CABINET CP1	SM	6

HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

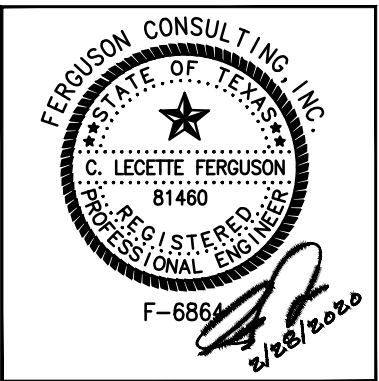
KIMLEY-HORN ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FIRM REGISTRATION F-608  
WWW.KIMLEY-HORN.COM

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10002 ROCKWELL HALL, SUITE 400  
THE WOODLANDS, TEXAS 77380  
CITY 281-475-2816 FAX 281-475-2814

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
A GARAGE - RISER AND FIBER  
BLOCK DIAGRAMS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



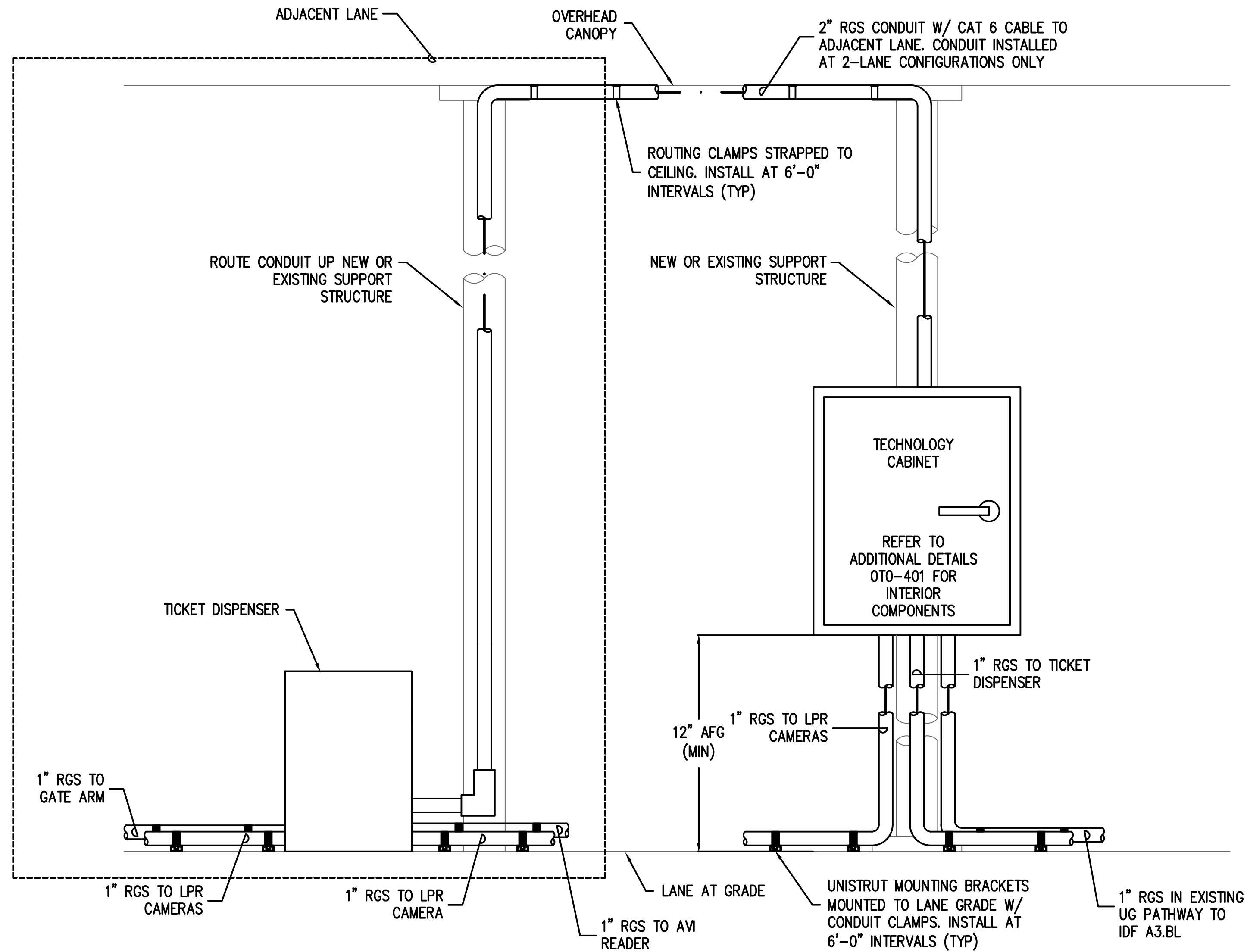
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.

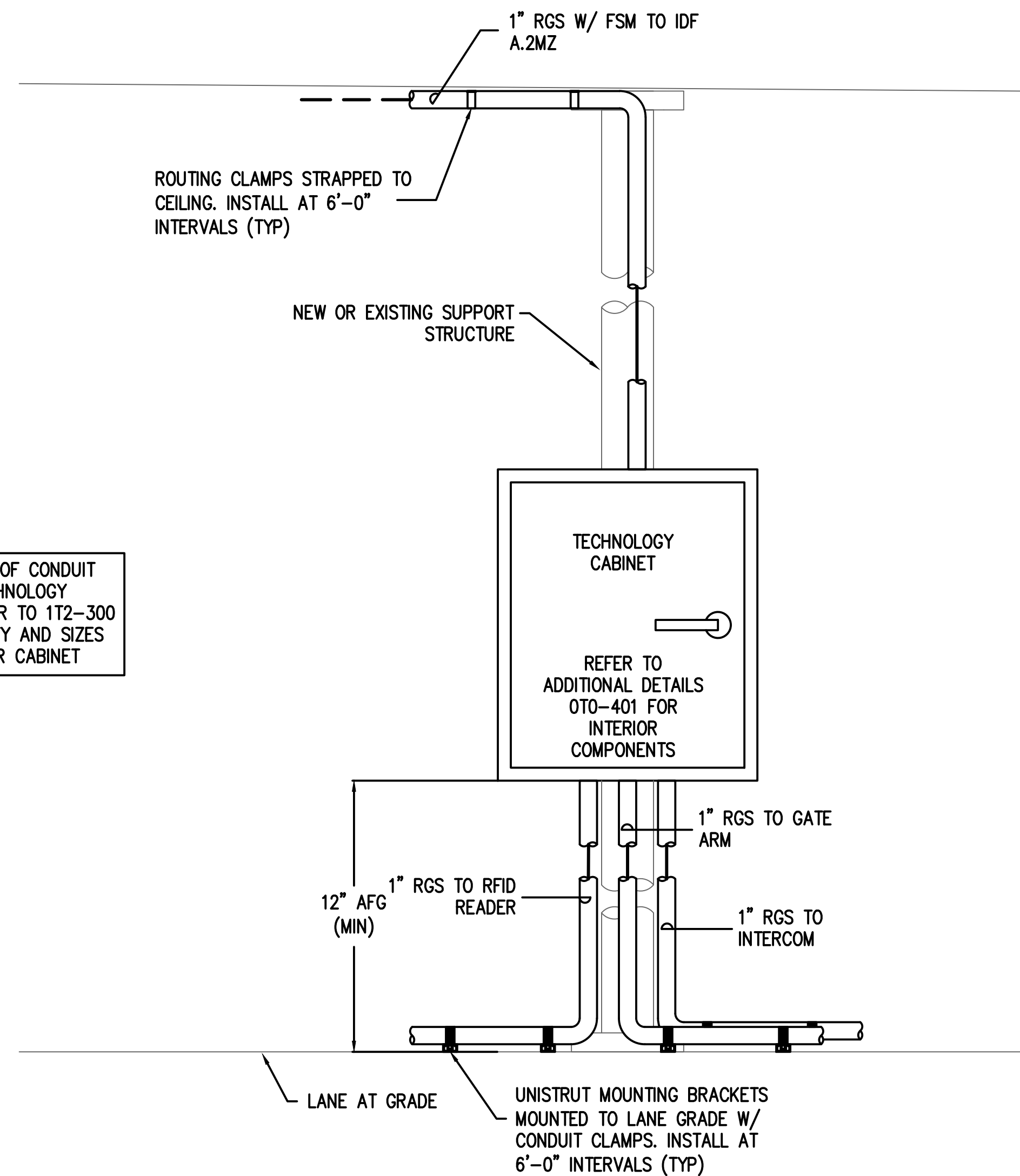
H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.





1 SURFACE LOT A ENTRY LANES -DETAILS  
SCALE: NTS

NOTE: SIZE AND QTY OF CONDUIT CONNECTIONS TO TECHNOLOGY CABINETS VARY. REFER TO 1T2-300 SERIES FOR EXACT QTY AND SIZES FOR EACH PARTICULAR CABINET

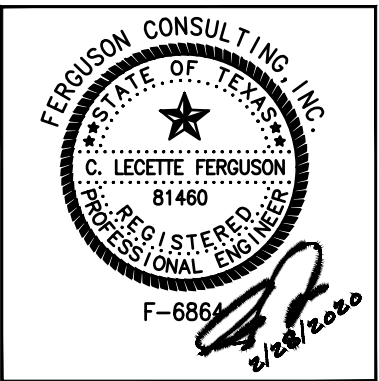


2 TERMINAL A CONTRACT ENTRY (LVL 3) -DETAILS  
SCALE: NTS

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
A GARAGE DETAILS PLAN

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

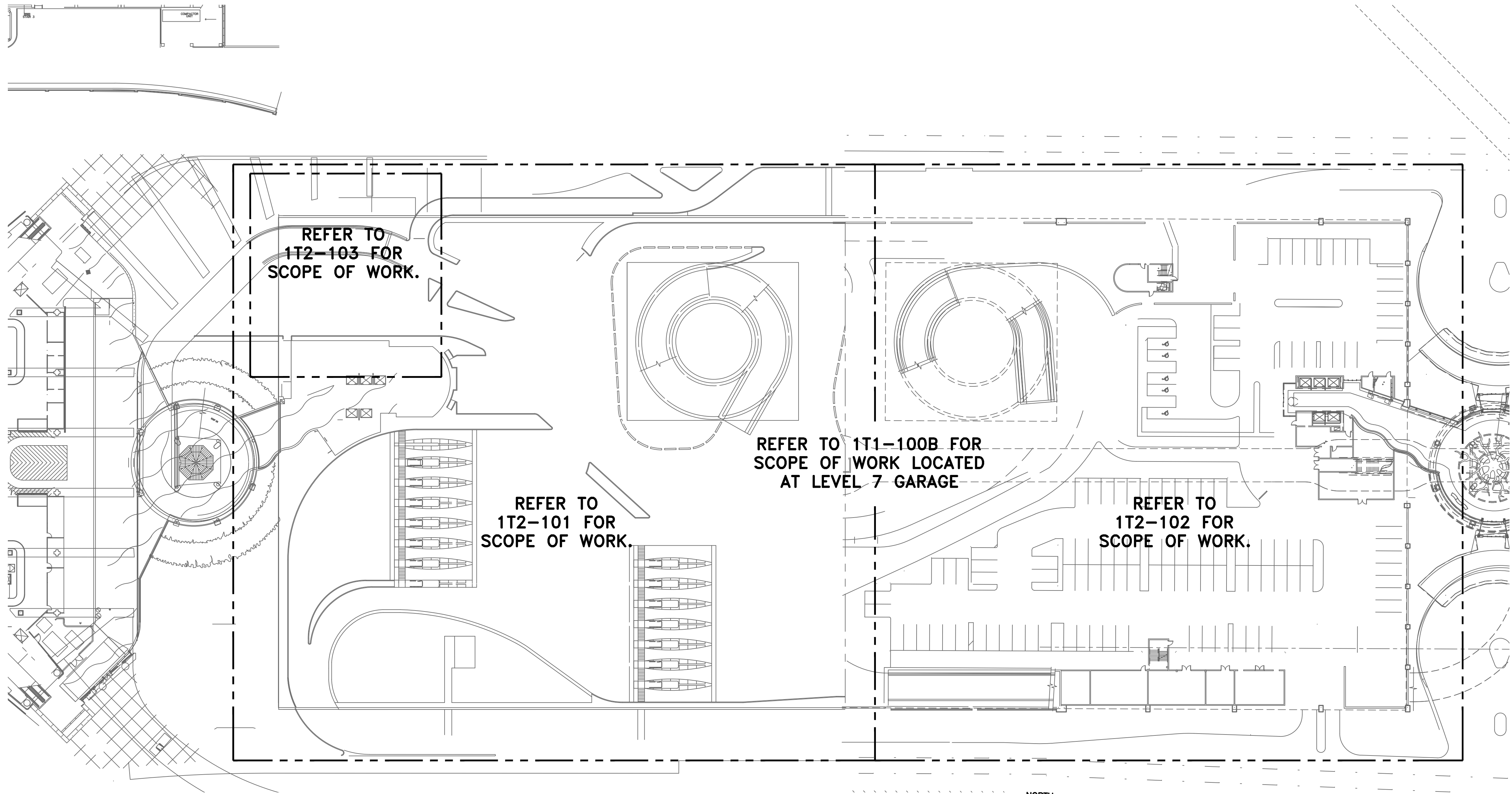
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T1-401



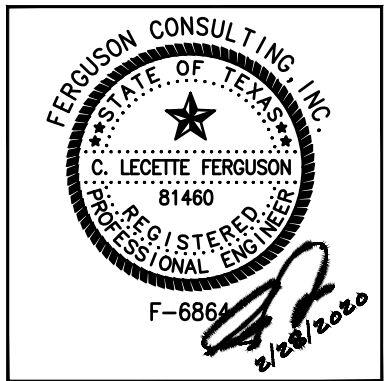


**1** AB GARAGE LEVEL 1 OVERALL SITE PLAN  
SCALE: 1" = 500'-0"

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
AB GARAGE LEVEL 1  
OVERALL SITE PLAN

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

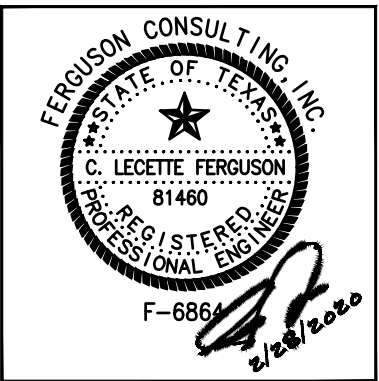
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REVISIONS		
NO.	DESCRIPTION	DATE BY

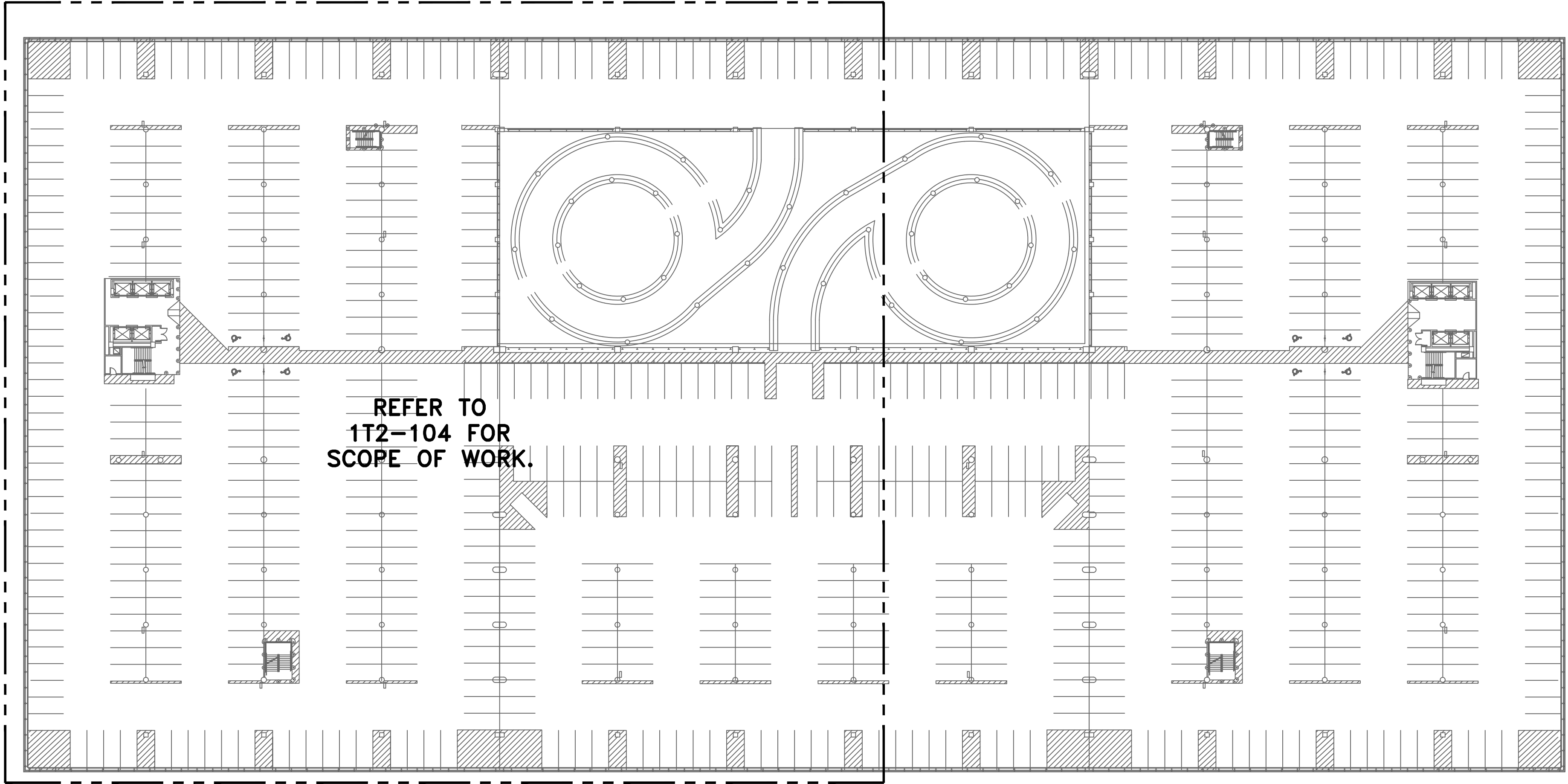
PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
AB GARAGE LEVEL 7  
OVERALL SITE PLAN

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020

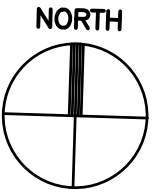


APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. <b>067810800</b>	
C.I.P. NO.	
H.A.S. NO. <b>PN HKE-PARCS-2020-003</b>	
SHEET NO.	

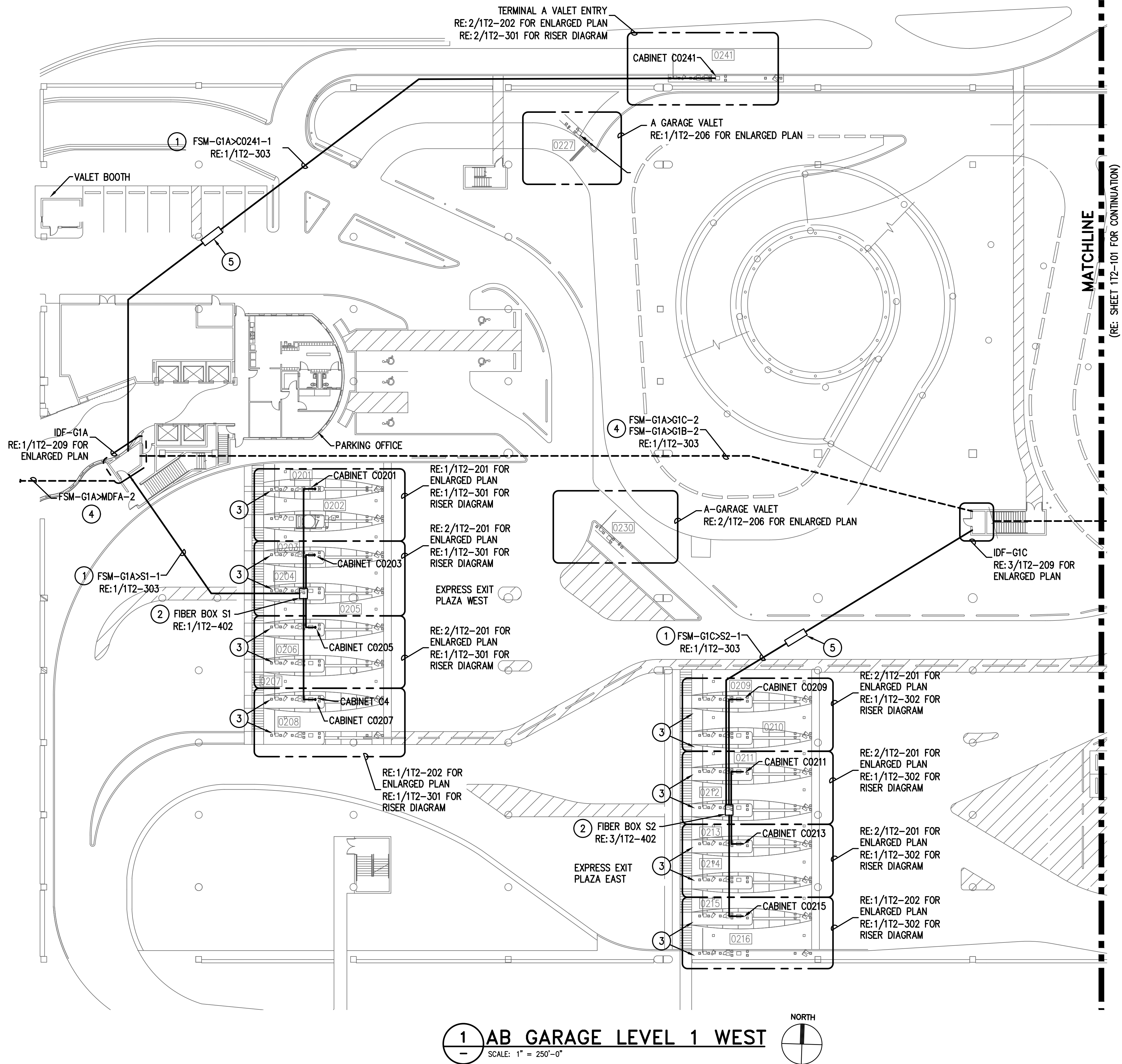
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1 AB GARAGE LEVEL 7 GARAGE OVERALL SITE PLAN  
SCALE: 1" = 500'-0"







## GENERAL NOTES:

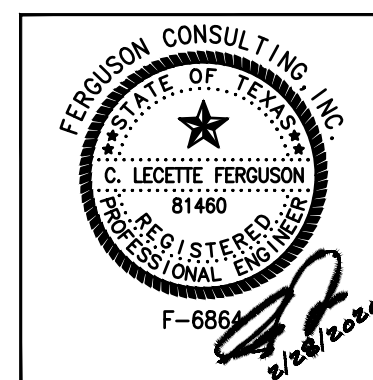
1. FIELD COORDINATE ALL PROPOSED CONDUIT PATHWAYS WITH EXISTING STRUCTURE AND UTILITIES. ROUTE CONDUIT AS HIGH AS POSSIBLE. CONTRACTOR HAS THE OPTION TO UTILIZE EXISTING PATHWAYS WHERE AVAILABLE.

## KEYED NOTES:

1. PROPOSED BACKBONE CONDUIT PATHWAY. REFER TO PLAN NOTED FOR CONDUIT AND CABLE DETAILS.
2. MOUNT BOX IN CEILING STRUCTURE. REFER TO DETAIL NOTED.
3. EXISTING GUARD BOOTH TO BE REMOVED. REMOVE ALL EXISTING COMMUNICATION CABLES BACK TO SOURCE. DISCONNECT FROM SOURCE AND RELABEL SOURCE AS 'SPARE'. WHERE SOURCE EQUIPMENT BECOMES ABANDONED, REMOVE SOURCE AND SALVAGE OR DISPOSE AS COORDINATED WITH OWNER.
4. INSTALL NEW FIBER CABLE IN EXISTING UNDERGROUND PATHWAY.
5. PROVIDE PULLBOX FOLLOWING DIV 27 REQUIREMENTS.

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
AB GARAGE - LEVEL 1 WEST

PROJECT MGR: LF  
DESIGNER: PM  
DRAWN BY: FR  
CHECKED BY: LF  
SCALE: AS SHOWN  
DATE: 2/28/2020



APPROVED BY: DATE:

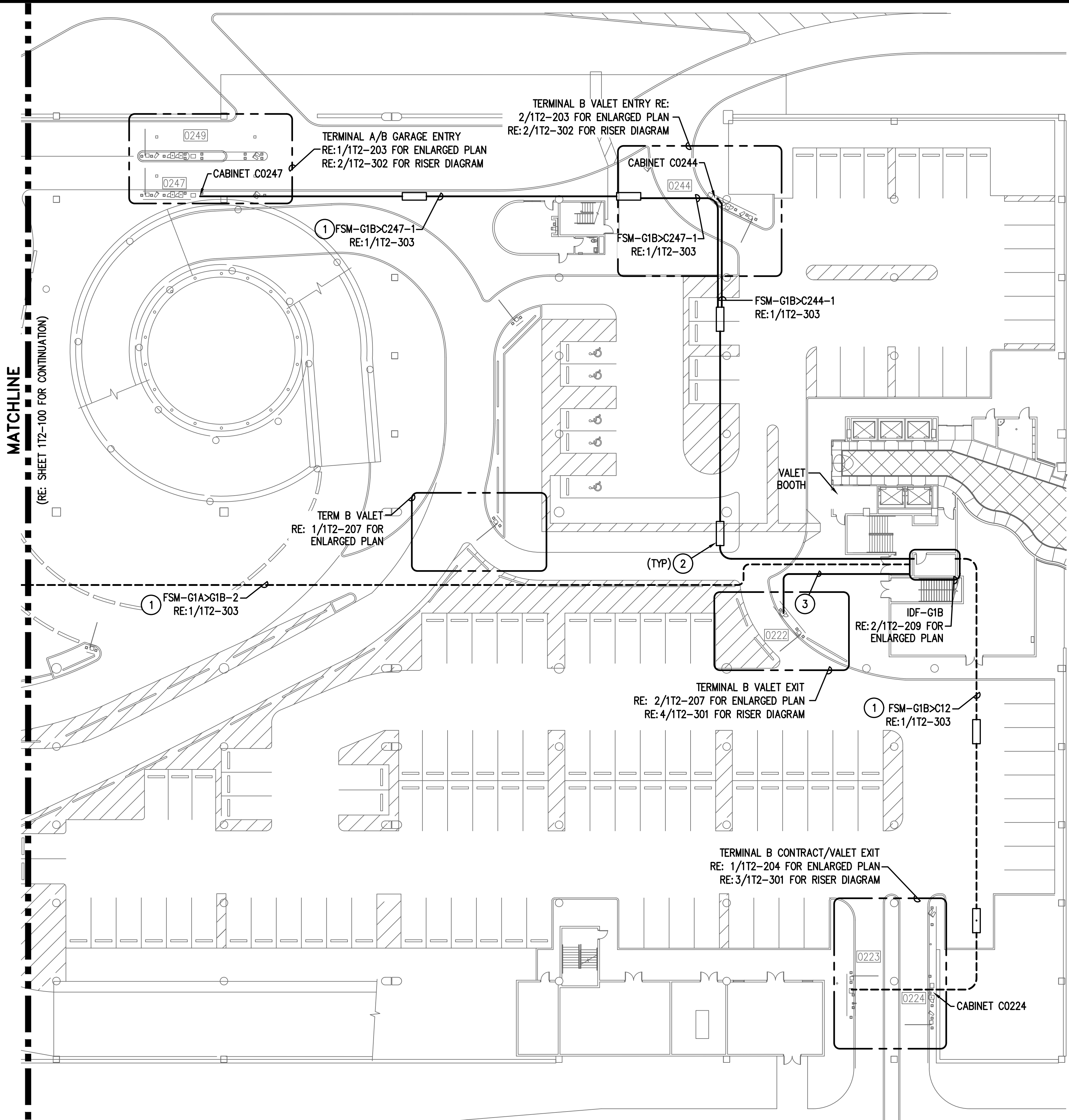
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T2-101





**GENERAL NOTES:**

1. FIELD COORDINATE ALL CONDUIT PATHWAYS WITH EXISTING STRUCTURE AND UTILITIES. ROUTE CONDUIT AS HIGH AS POSSIBLE. CONTRACTOR HAS THE OPTION TO UTILIZE EXISTING PATHWAYS WHERE AVAILABLE.

**KEYED NOTES:**


- 1 PROPOSED BACKBONE CONDUIT PATHWAY. REFER TO PLAN NOTED FOR CONDUIT AND CABLE DETAILS.
- 2 PROVIDE PULL BOX FOLLOWING DIV 27 DETAILS.
- 3 EXTEND ALL CAT-6 CABLES TO IDF ROOM FOR TERMINATION. SIZE CONDUIT FOLLOWING TABLE ON OT0-001
- 4 INSTALL NEW FIBER CABLE IN EXISTING UNDERGROUND PATHWAY.



**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS



**Kinley Horn**  
KINLEY HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: F-608  
WWW.KINLEY-HORN.COM

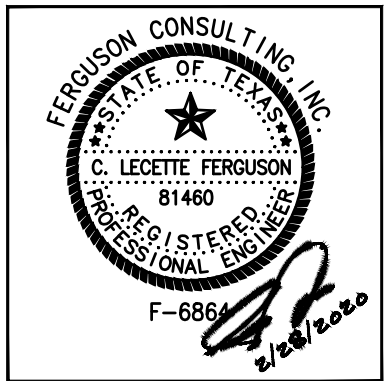


**Ferguson Consulting**  
CONSULTING IN CONSTRUCTION, PLANNING, AND  
MANAGEMENT SERVICES  
FERGUSON CONSULTING, INC.  
1000 WOODLAND PARKWAY, SUITE 200  
THE WOODLANDS, TEXAS 77380  
(281) 475-2816 FAX: (281) 475-2814

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
AB GARAGE-LEVEL 1 EAST

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T2-102

1

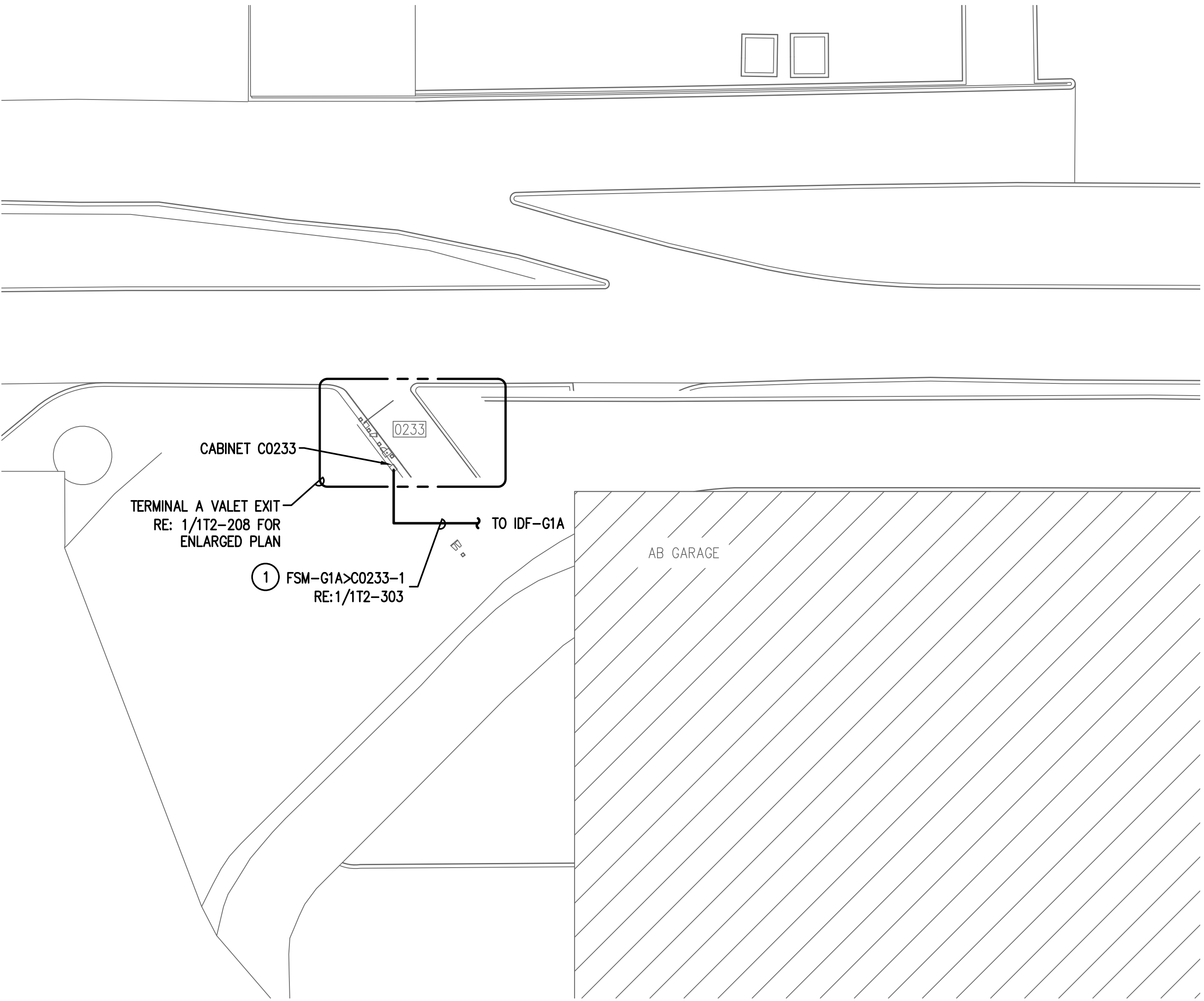
A/B GARAGE LEVEL 1 EAST

SCALE: 1" = 250'-0"

NORTH







1 A GARAGE VALET EXIT  
SCALE: 1" = 250'-0"

**GENERAL NOTES:**

1. FIELD COORDINATE ALL CONDUIT PATHWAYS WITH EXISTING STRUCTURE AND UTILITIES. ROUTE CONDUIT AS HIGH AS POSSIBLE. CONTRACTOR HAS THE OPTION TO UTILIZE EXISTING PATHWAYS WHERE AVAILABLE.

**KEYED NOTES:**

- 1 PROPOSED BACKBONE CONDUIT PATHWAY. REFER TO PLAN NOTED FOR CONDUIT AND CABLE DETAILS.

**HOUSTON AIRPORT SYSTEM**  
**GEORGE BUSH INTERCONTINENTAL**  
**AIRPORT/HOUSTON TEXAS**

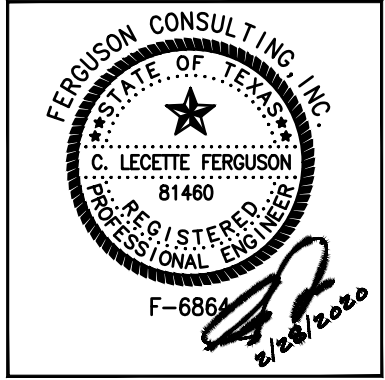
**Kimley-Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: 528  
WWW.KIMLEY-HORN.COM

**Ferguson Consulting**  
Consultants in Electrical, Specialty and  
Instrumentation Engineering  
FERGUSON CONSULTING, INC.  
1002 WOODLAND, SUITE 100  
THE WOODLANDS, TEXAS 77380  
(281) 466-1628 FAX: (281) 466-1624

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
AB GARAGE-VALET EXIT

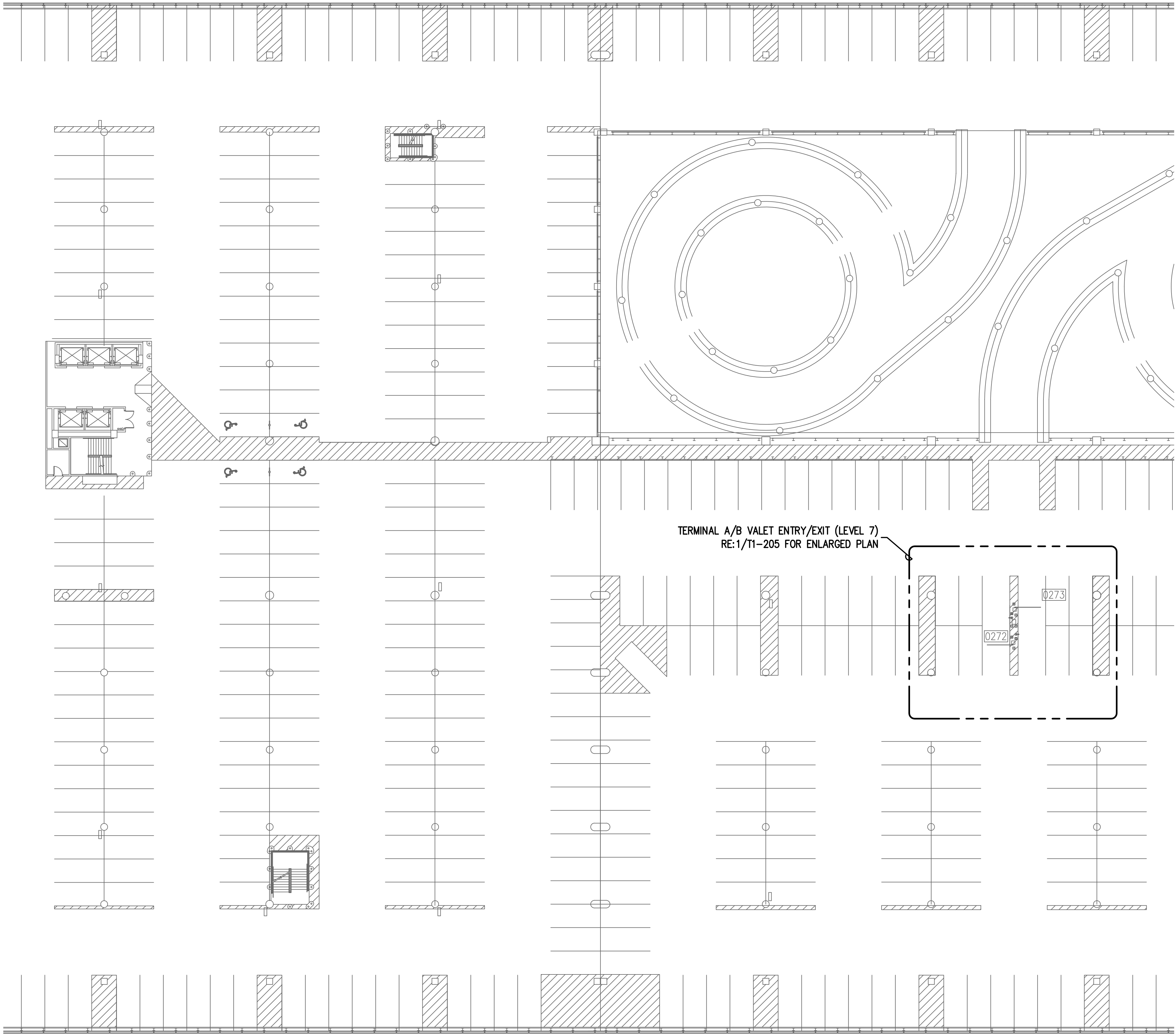
PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. <b>067810800</b>	
C.I.P. NO.	
H.A.S. NO.	
<b>PN HKE-PARCS-2020-003</b>	
SHEET NO.	

1T2-103





**1**  
**A/B GARAGE LEVEL 7**  
SCALE: 1" = 250'-0"



**GENERAL NOTES:**

1. FIELD COORDINATE ALL PROPOSED CONDUIT PATHWAYS WITH EXISTING STRUCTURE AND UTILITIES. ROUTE CONDUIT AS HIGH AS POSSIBLE. CONTRACTOR HAS THE OPTION TO UTILIZE EXISTING PATHWAYS WHERE AVAILABLE.



**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS



**Kimley-Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: F-608  
WWW.KIMLEY-HORN.COM

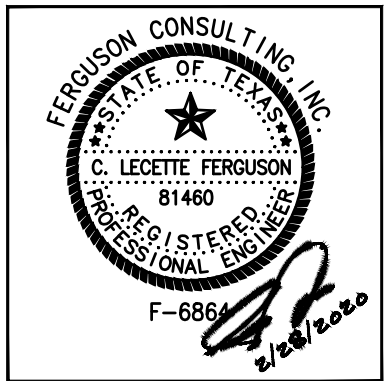


**Ferguson Consulting**  
CONSULTANTS IN DESIGN, PLANNING, AND  
CONSTRUCTION MANAGEMENT  
FERGUSON CONSULTING, INC.  
1002 WOODLAND, SUITE 7700  
THE WOODLANDS, TEXAS 77380  
(281) 475-1000 FAX (281) 475-1004

REVISIONS		
NO.	DESCRIPTION	DATE BY

**PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
AB GARAGE-LEVEL 7**

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



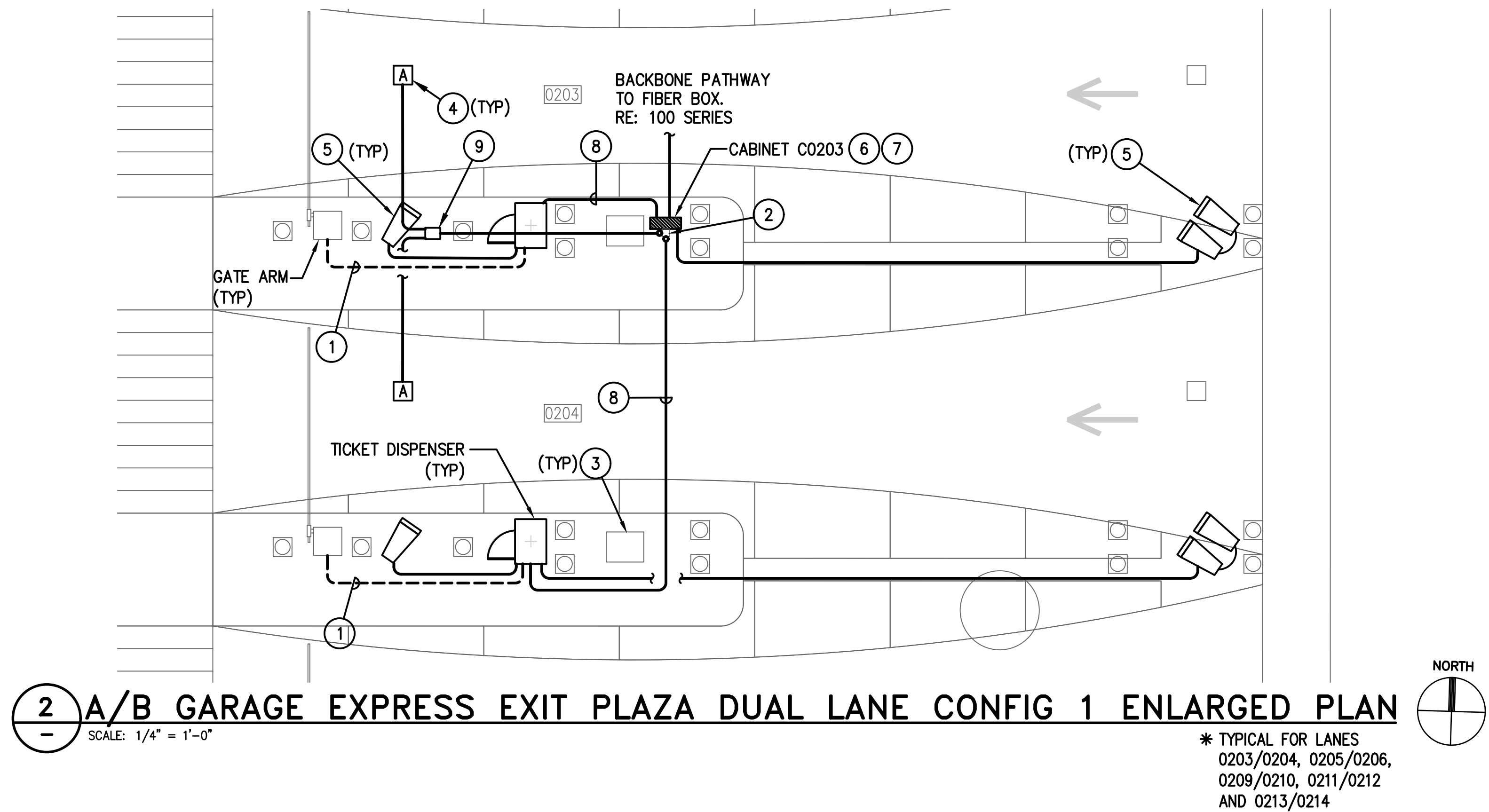
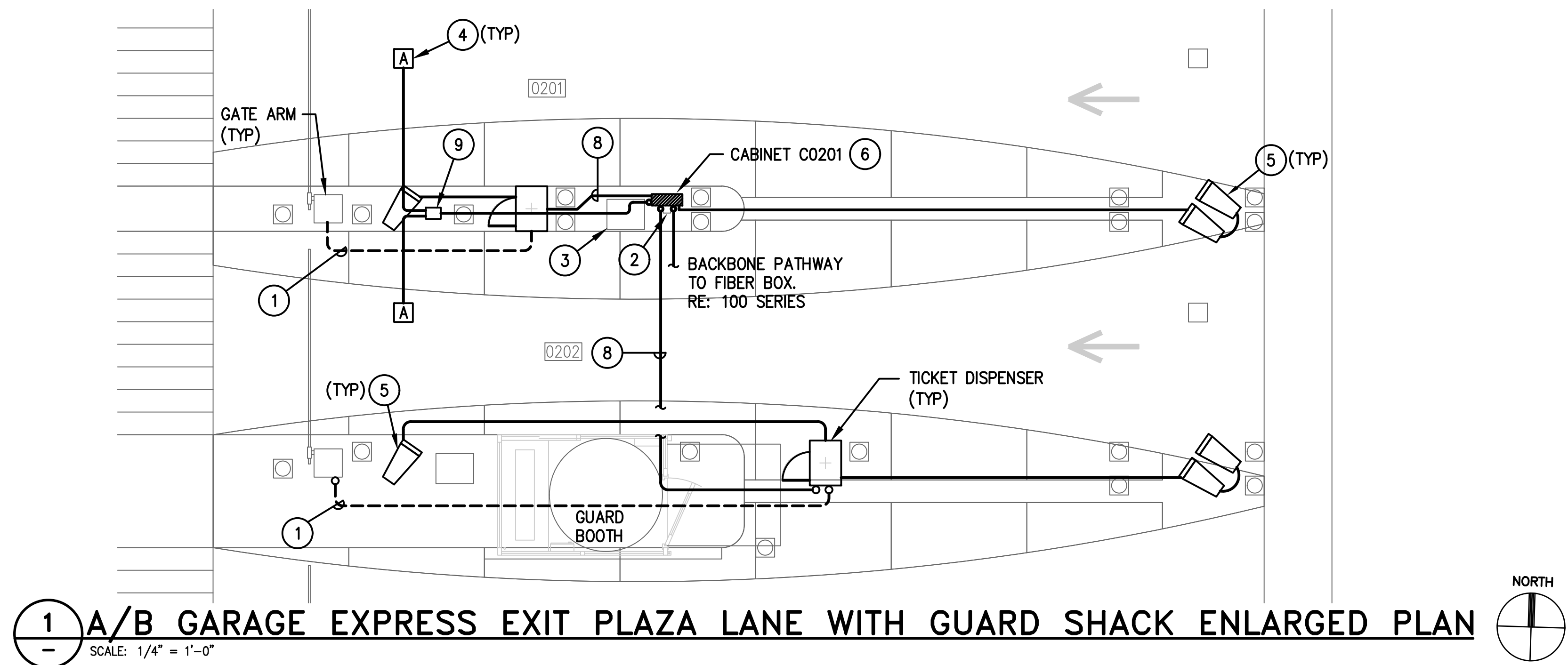
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.



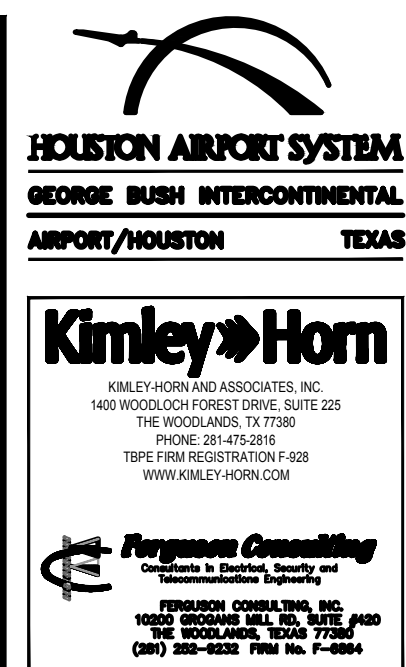


## GENERAL NOTES:

- EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
- REFER TO 1T2-300 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1T2-400 SERIES FOR EQUIPMENT DETAILS.
- REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION.
- FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED.
- REFER TO 0T0-400 SERIES FOR TYPICAL DETAILS.

## KEYED NOTES:

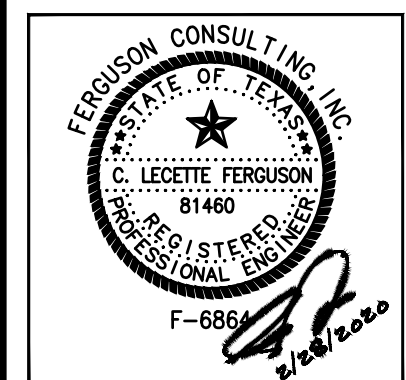
- UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- STEEL POST FROM GARAGE GRADE TO BOTTOM OF GARAGE CEILING FOR SUPPORT OF CONDUIT. REFER TO ELECTRICAL PLANS.
- EXISTING COMMUNICATION HANDHOLE. VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF PROPOSED EQUIPMENT
- MOUNT IN CEILING STRUCTURE.
- MOUNT ON PEDESTAL. REFER TO 0T0-402 FOR MOUNTING DETAILS.
- PROVIDE 2-LANE TECHNOLOGY ENCLOSURE. REFER TO 0T0-401.
- CABINET ID SHOWN FOR LANE 0203/0204 CONFIGURATION. REFER TO 100 SERIES FOR CORRECT CABINET ID FOR ALTERNATE LANES.
- EXTEND ALL CAT6 NETWORK CABLES TO TECHNOLOGY CABINET FOR TERMINATION. SIZE CONDUIT FOLLOWING TABLE ON 0T0-001.
- PROVIDE PULLBOX FOLLOWING DIV 27 REQUIREMENTS.



REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
AB GARAGE-ENLARGED PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

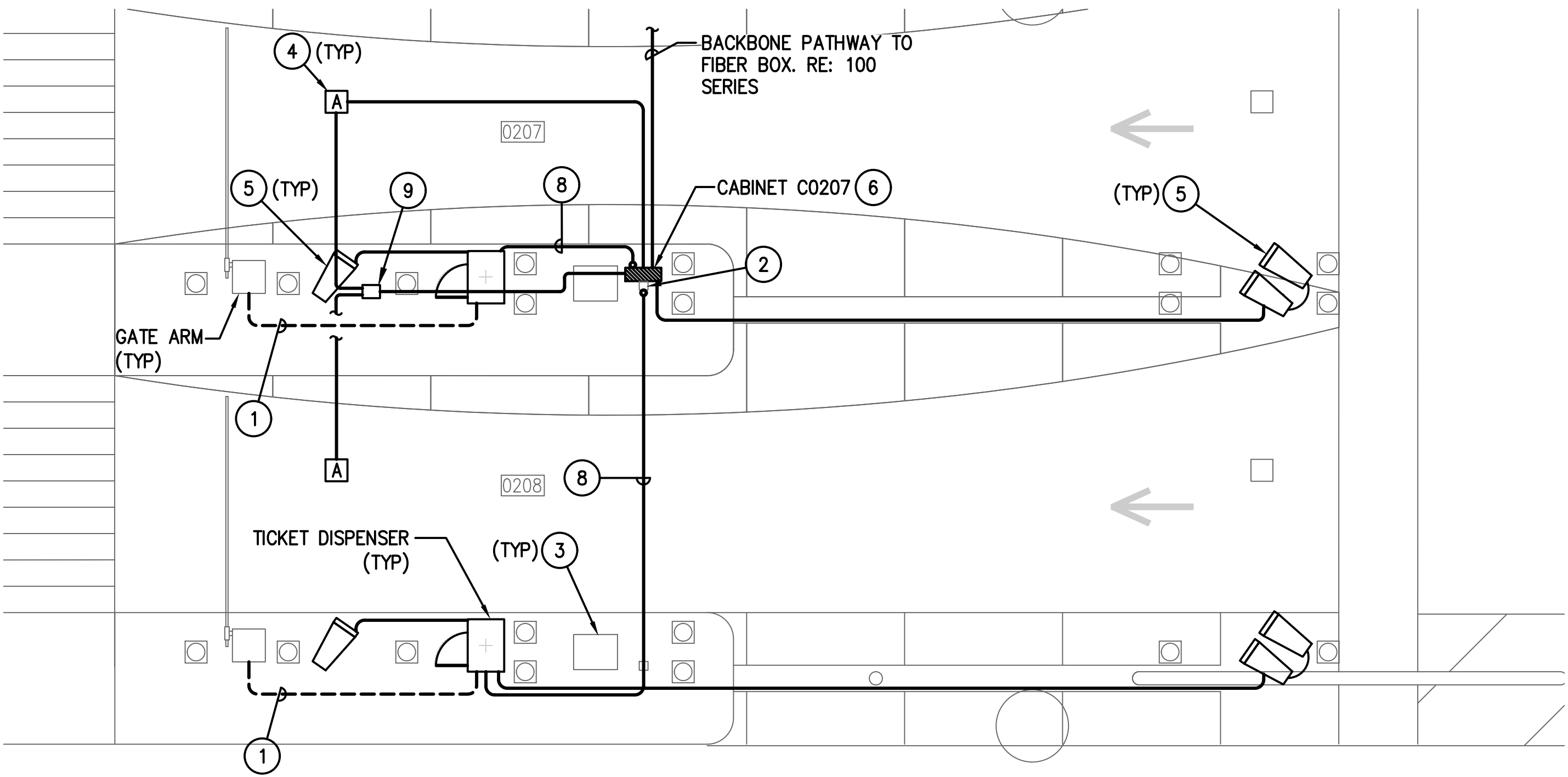
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

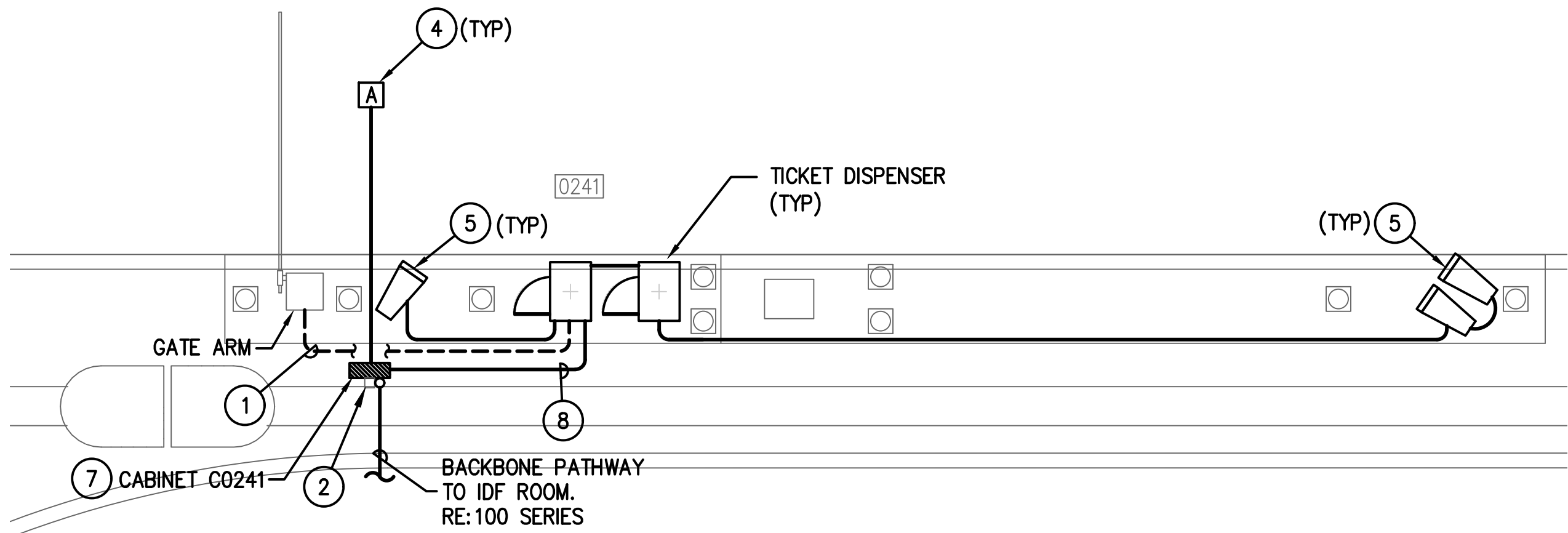
H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T2-201





1 A/B GARAGE EXPRESS EXIT PLAZA ENLARGED PLAN  
SCALE: 1/4" = 1'-0"  
\* TYPICAL FOR 0215/0216



2 TERMINAL A VALET ENTRY ENLARGED PLAN  
SCALE: 1/4" = 1'-0"

### GENERAL NOTES:

- EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
- REFER TO 1T2-300 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1T2-400 SERIES FOR EQUIPMENT DETAILS.
- REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION.
- FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED.
- REFER TO 0T0-400 SERIES FOR TYPICAL DETAILS.

### KEYED NOTES:

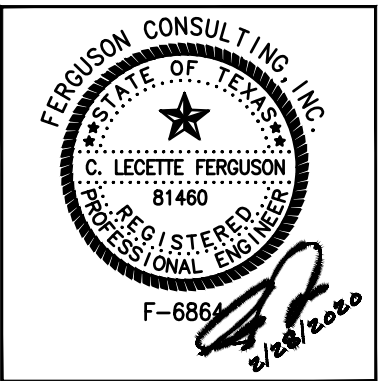
- UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- STEEL POST FROM GARAGE GRADE TO BOTTOM OF GARAGE CEILING FOR SUPPORT OF CONDUIT. REFER TO ELECTRICAL PLANS.
- EXISTING COMMUNICATION HANDHOLE. VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF PROPOSED EQUIPMENT
- MOUNT IN CELING STRUCTURE.
- MOUNT ON PEDESTAL. REFER TO 0T0-402 FOR MOUNTING DETAILS.
- PROVIDE 2-LANE TECHNOLOGY ENCLOSURE. REFER TO 0T0-401.
- PROVIDE 1-LANE TECHNOLOGY ENCLOSURE. REFER TO 0T0-401.
- EXTEND ALL CAT6 NETWORK CABLES TO TECHNOLOGY CABINET FOR TERMINATION. SIZE CONDUIT FOLLOWING TABLE ON 0T0-001.



REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
AB GARAGE-ENLARGED PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

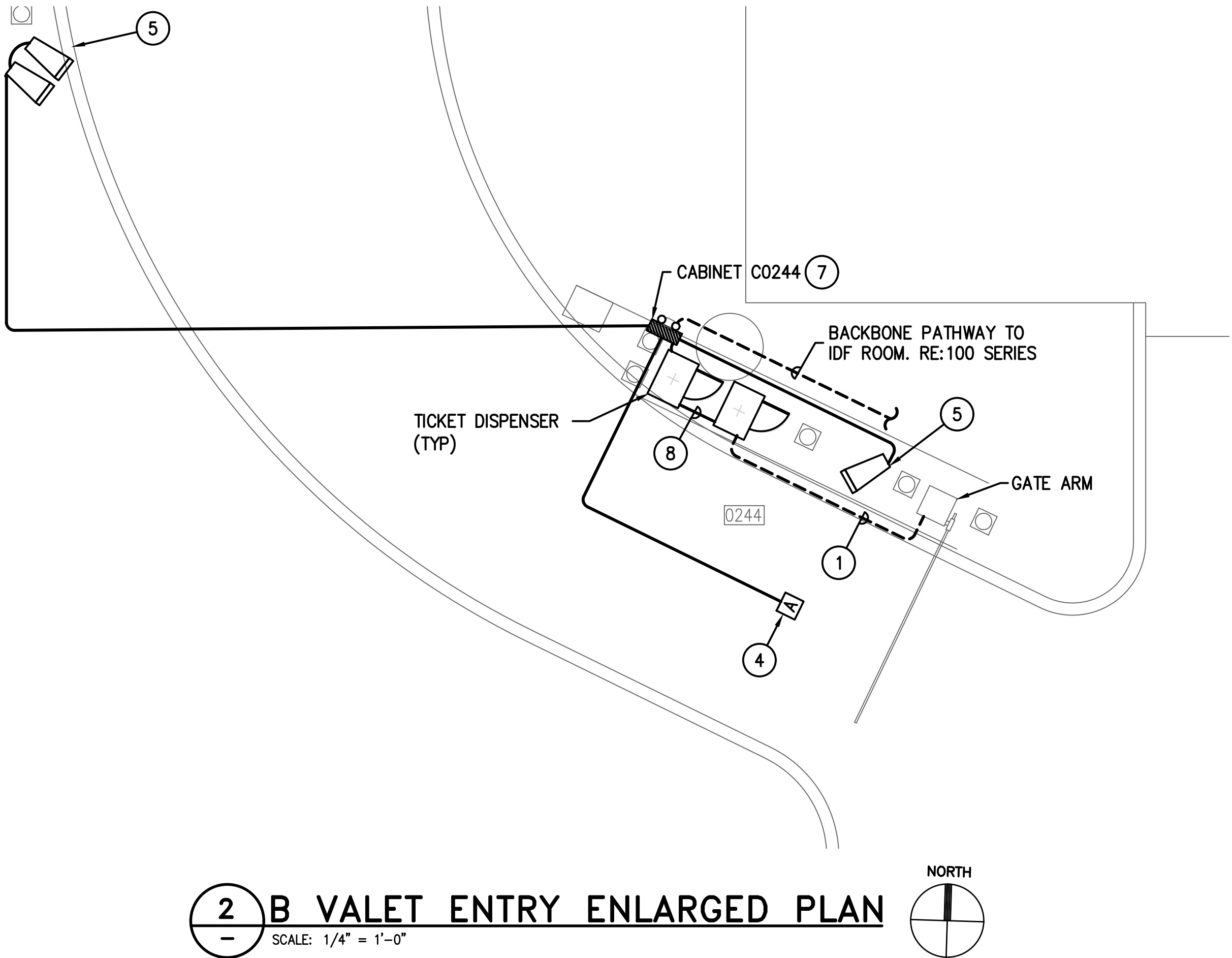
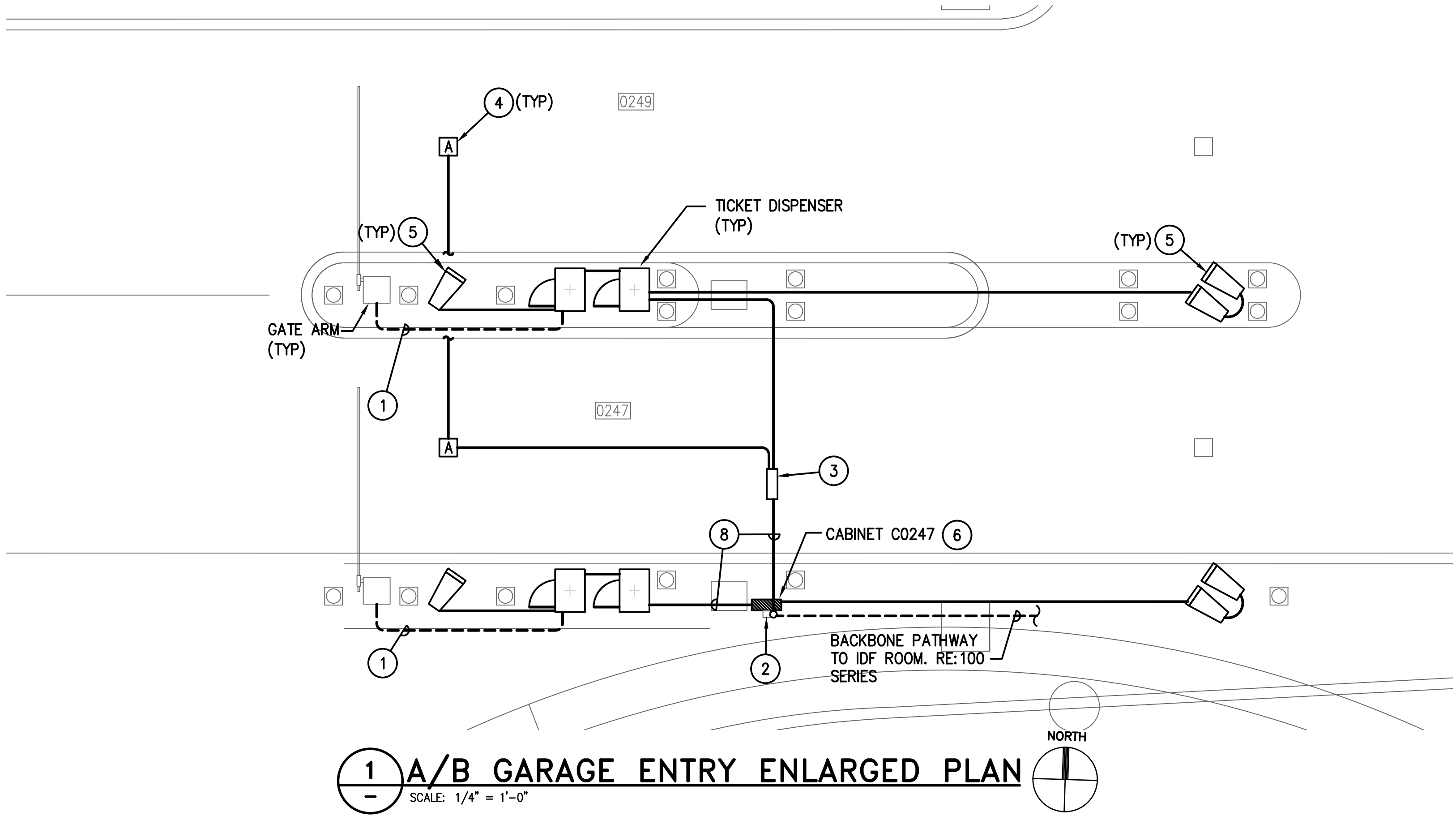
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.

1T2-202



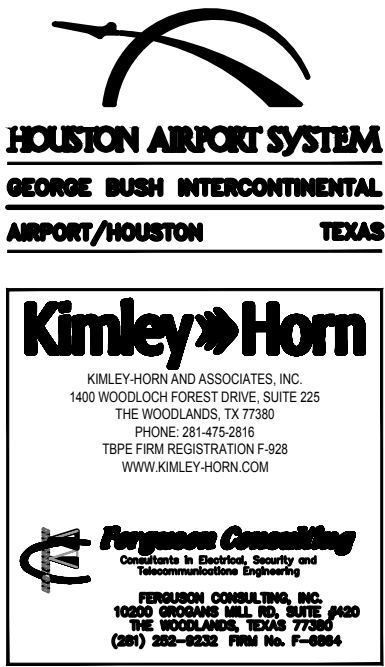


### GENERAL NOTES:

1. EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
2. REFER TO 1T2-300 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
3. REFER TO 1T2-400 SERIES FOR EQUIPMENT DETAILS.
4. REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION.
5. FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED.
6. REFER TO 0T0-400 SERIES FOR TYPICAL DETAILS.

### KEYED NOTES:

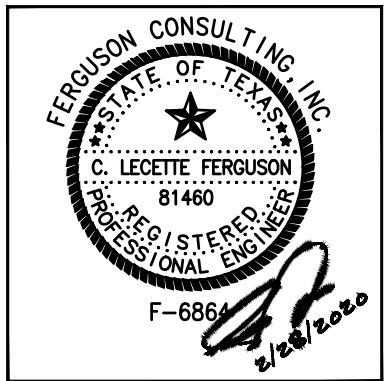
- 1 UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- 2 STEEL POST FROM GARAGE GRADE TO BOTTOM OF GARAGE CEILING FOR SUPPORT OF CONDUIT. REFER TO ELECTRICAL PLANS.
- 3 PROVIDE PULL BOX FOLLOWING DIV 27 REQUIREMENTS.
- 4 MOUNT IN CEILING STRUCTURE.
- 5 MOUNT ON PEDESTAL. REFER TO 0T0-402 FOR MOUNTING REQUIREMENTS.
- 6 PROVIDE 2-LANE TECHNOLOGY ENCLOSURE. REFER TO 0T0-401.
- 7 PROVIDE 1-LANE TECHNOLOGY ENCLOSURE. REFER TO 0T0-401.
- 8 EXTEND ALL CAT6 NETWORK CABLES TO TECHNOLOGY CABINET FOR TERMINATION. SIZE CONDUIT FOLLOWING TABLE ON 0T0-001.



REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
AB GARAGE-ENLARGED PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY:	DATE:

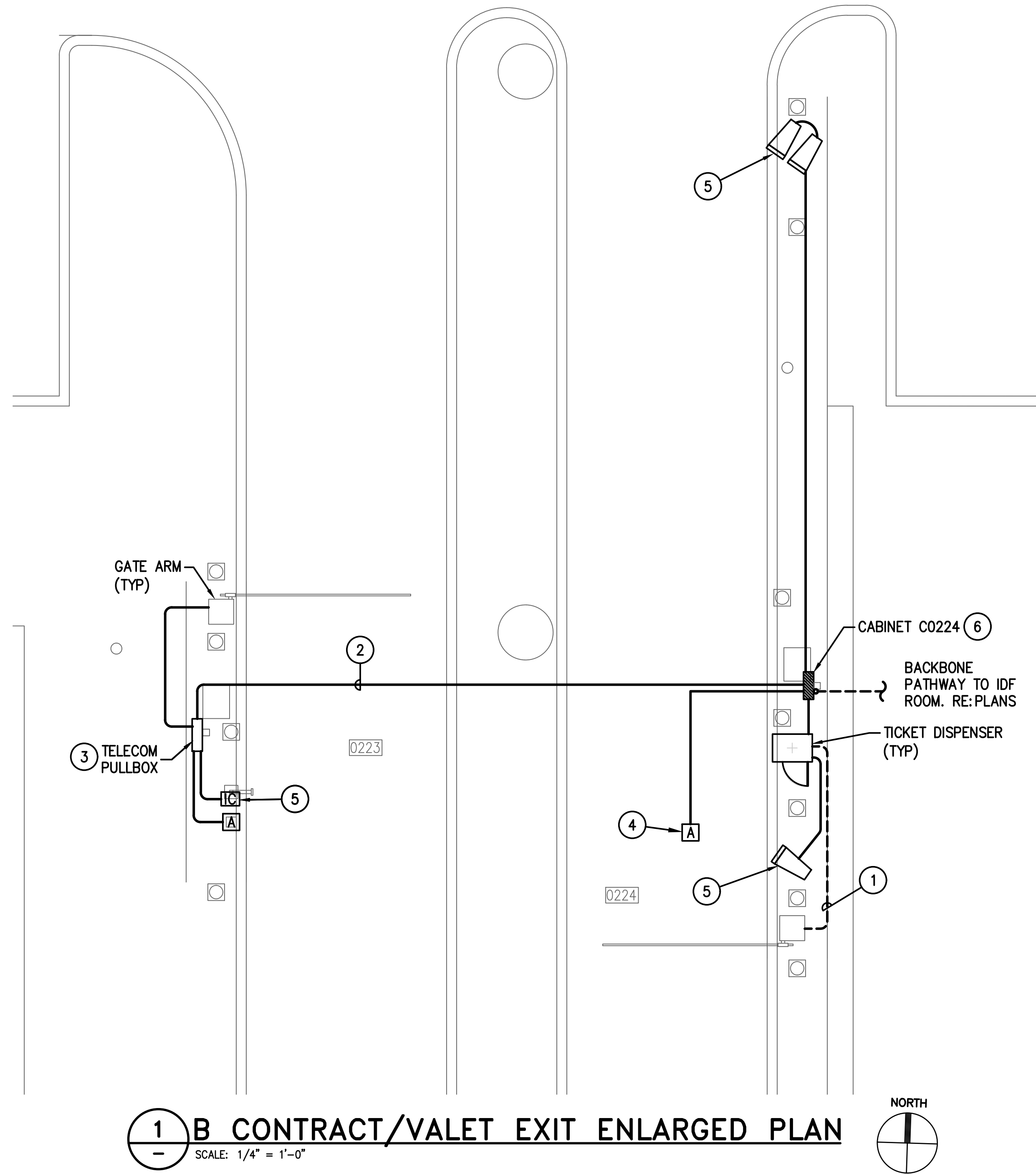
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T2-203





**GENERAL NOTES:**

1. EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
2. REFER TO 1T2-300 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
3. REFER TO 1T2-400 SERIES FOR EQUIPMENT DETAILS.
4. REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION.
5. FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED.
6. REFER TO 0T0-400 SERIES FOR TYPICAL DETAILS.

**KEYED NOTES:**

1. UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
2. STEEL POST FROM GARAGE GRADE TO BOTTOM OF GARAGE CEILING FOR SUPPORT OF CONDUIT. REFER TO ELECTRICAL PLANS.
3. PROVIDE ELEVATED PULLBOX. REFER TO 0T0-401 FOR DETAILS.
4. MOUNT IN CEILING STRUCTURE.
5. MOUNT ON PEDESTAL. REFER TO 0T0-402 FOR MOUNTING REQUIREMENTS.
6. PROVIDE 1-LANE TECHNOLOGY ENCLOSURE. REFER TO 0T0-401.

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

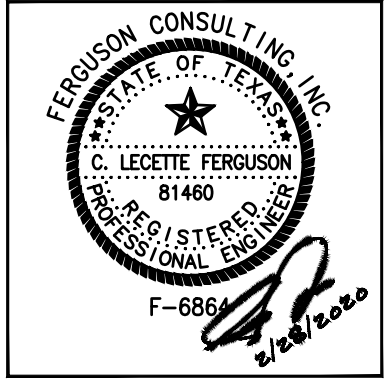
**Kimley-Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION F-686  
WWW.KIMLEY-HORN.COM

**Ferguson Consulting**  
CONSULTANTS IN CONSULTING, PLANNING, AND  
ENGINEERING  
FERGUSON CONSULTING, INC.  
1000 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TEXAS 77380  
CITY: 281-475-2816 FAX: 281-475-2814

REVISIONS		
NO.	DESCRIPTION	DATE BY

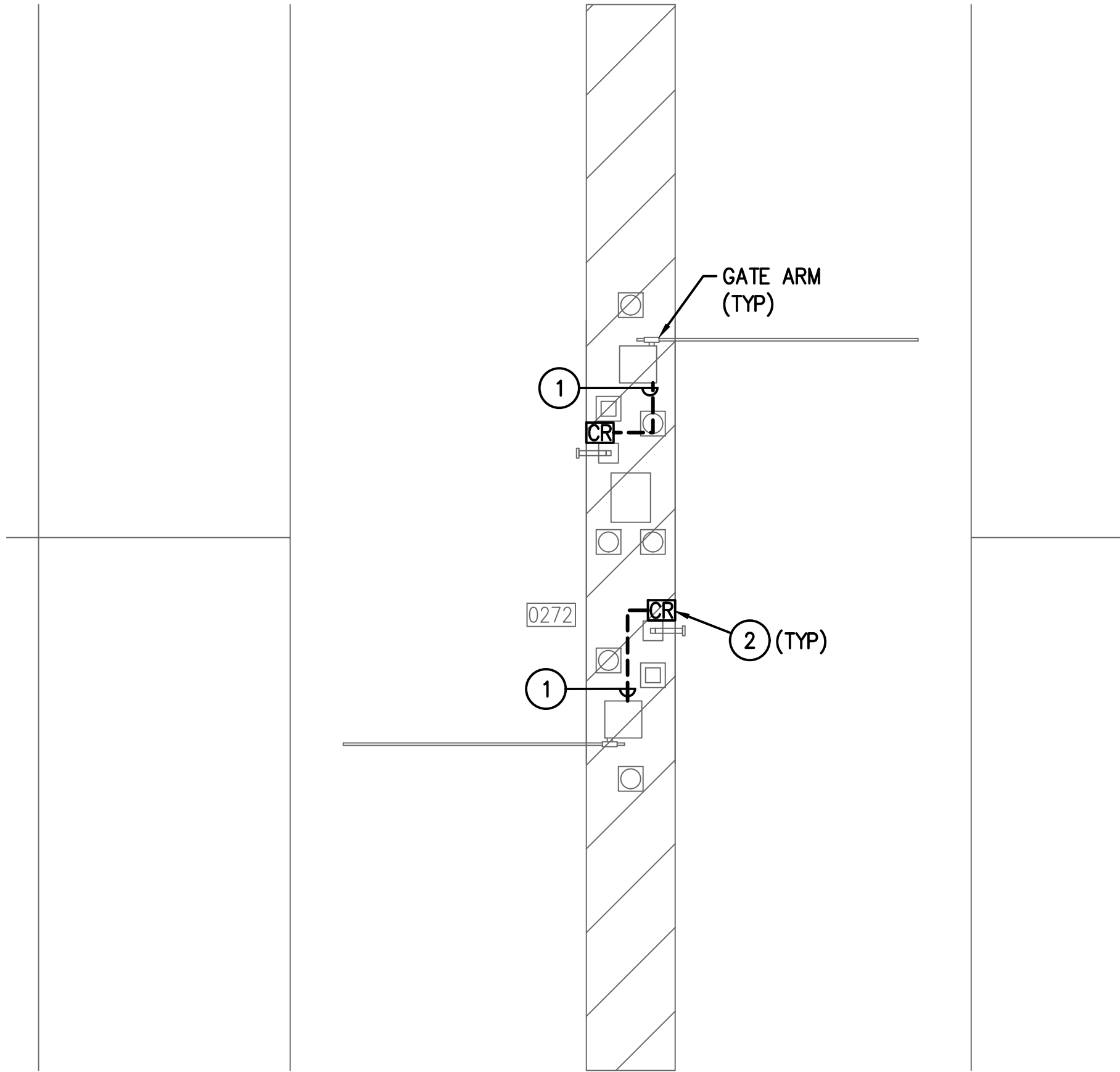
PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
AB GARAGE-ENLARGED PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020

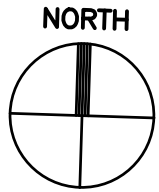


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DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. <b>067810800</b>	
C.I.P. NO.	
H.A.S. NO.	
<b>PN HKE-PARCS-2020-003</b>	
SHEET NO.	





1 A/B GARAGE LEVEL 7 VALET ENTRY/EXIT ENLARGED PLAN  
— SCALE: 1/4" = 1'-0"



GENERAL NOTES:

- EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
- REFER TO 1T2-300 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1T2-400 SERIES FOR EQUIPMENT DETAILS.
- REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION.
- FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED.
- REFER TO 0T0-400 SERIES FOR TYPICAL DETAILS.

KEYED NOTES:

- UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN SECURITY ENCLOSURE & GATE ARM
- MOUNT ON PEDESTAL. REFER TO 0T0-402 FOR MOUNTING DETAIL.



**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS



**Kinley Horn**  
KINLEY HORN ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FIRM REGISTRATION # 528  
WWW.KINLEY-HORN.COM

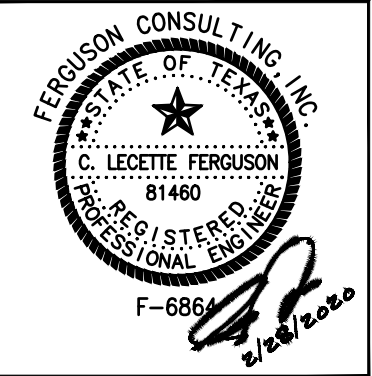


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CONSULTANTS IN DESIGN, PLANNING, AND  
CONSTRUCTION MANAGEMENT  
FERGUSON CONSULTING, INC.  
1000 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TEXAS 77380  
(281) 475-2816 FAX (281) 475-2814

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NO.	DESCRIPTION	DATE	BY

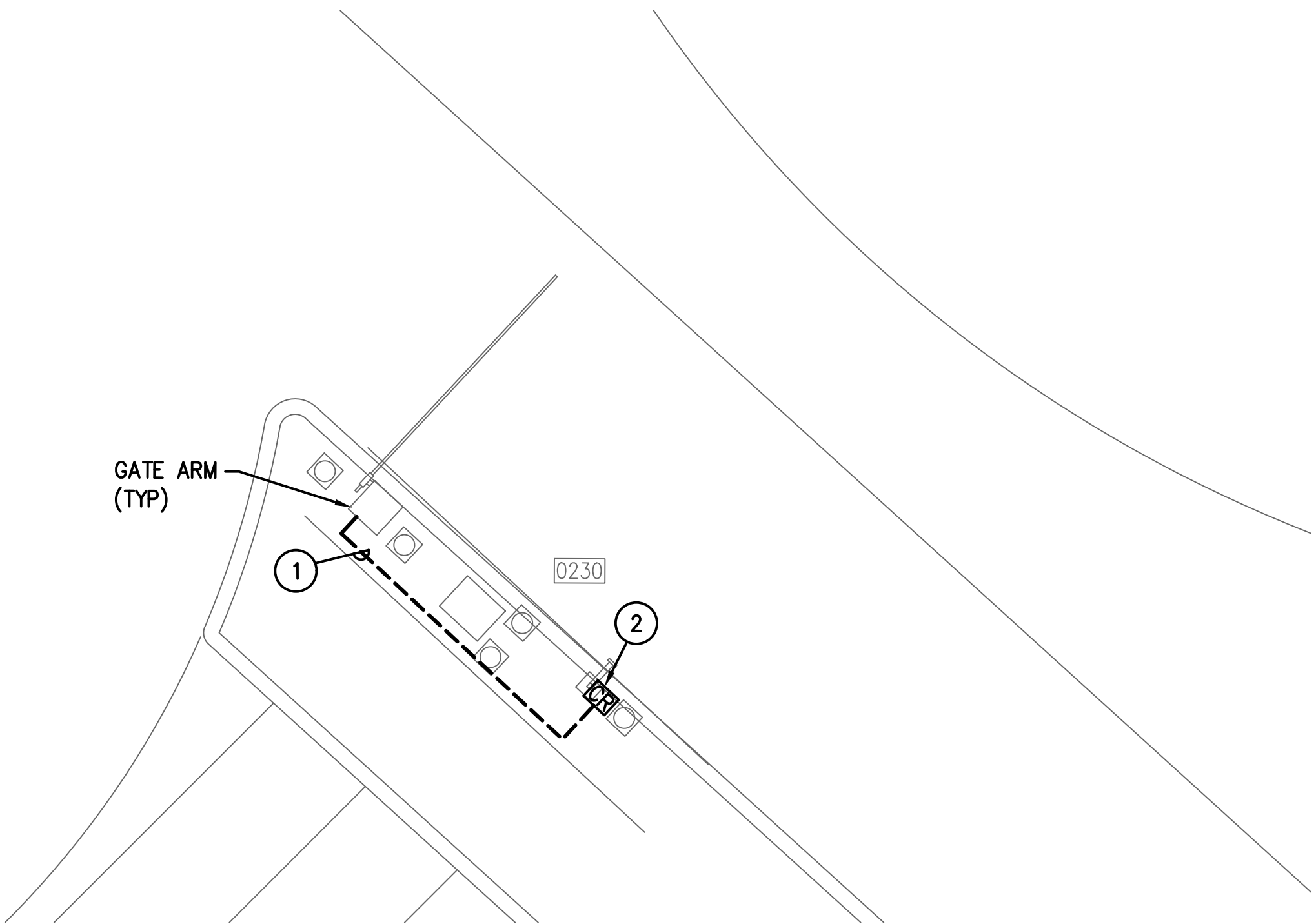
PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
AB GARAGE-ENLARGED PLANS-LVL 7

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020

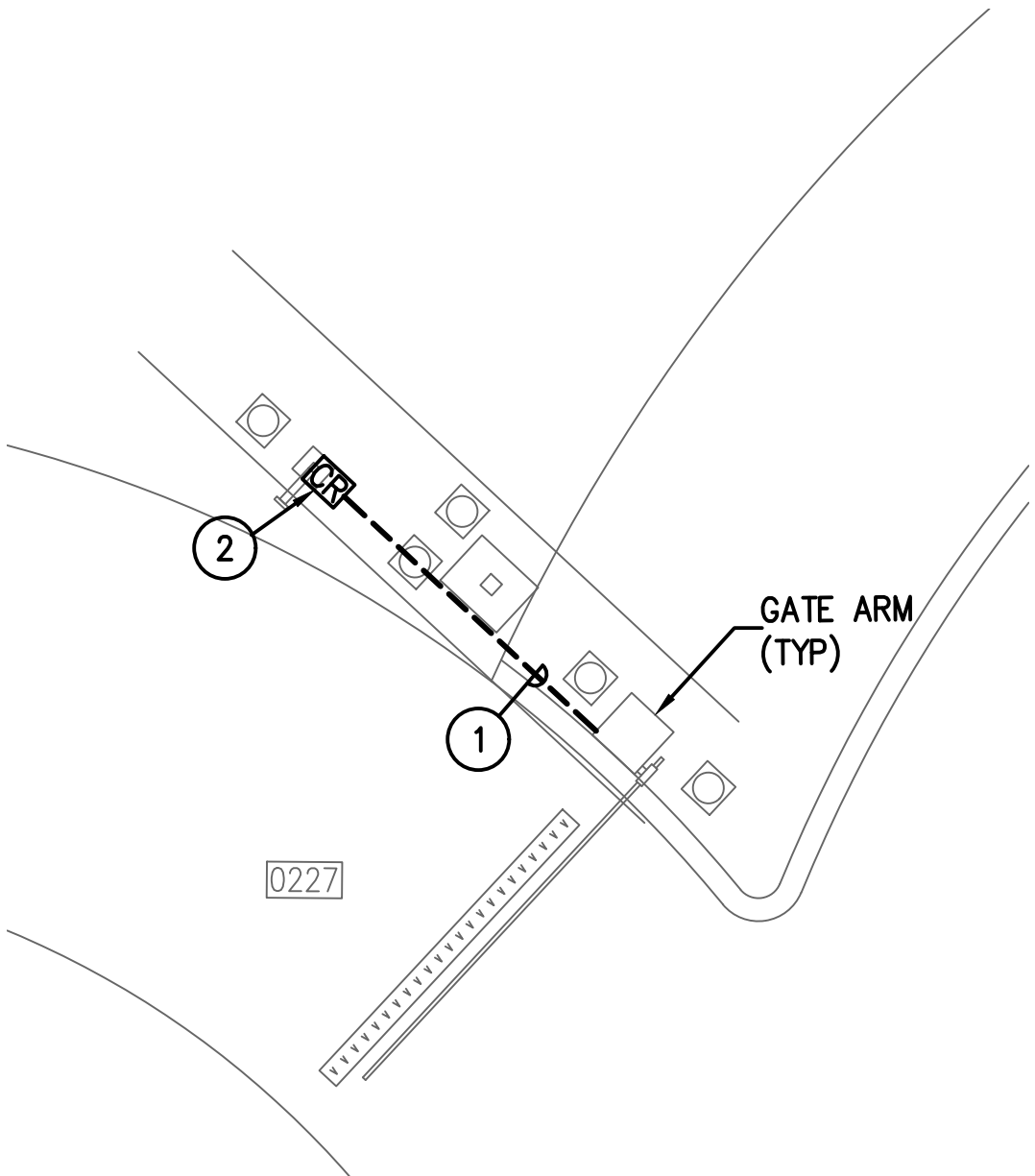
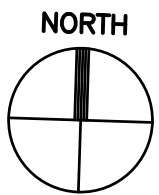


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DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. <b>067810800</b>	
C.I.P. NO.	
H.A.S. NO. <b>PN HKE-PARCS-2020-003</b>	
SHEET NO.	

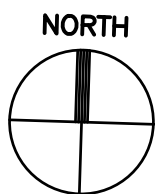




1  
—  
A GARAGE VALET ENLARGED PLAN  
SCALE: 1/4" = 1'-0"



1  
—  
A GARAGE VALET ENLARGED PLAN  
SCALE: 1/4" = 1'-0"



GENERAL NOTES:

1. EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
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3. REFER TO 1T2-400 SERIES FOR EQUIPMENT DETAILS.
4. REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION.
5. FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED.
6. REFER TO 0T0-400 SERIES FOR TYPICAL DETAILS.

KEYED NOTES:

- 1 UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN SECURITY ENCLOSURE & GATE ARM
- 2 MOUNT ON PEDESTAL. REFER TO 0T0-402 FOR MOUNTING DETAIL.

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

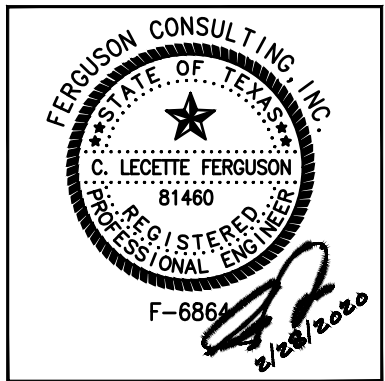
**Kimley-Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
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CONTROL SYSTEMS (PARCS)  
AB GARAGE-ENLARGED PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



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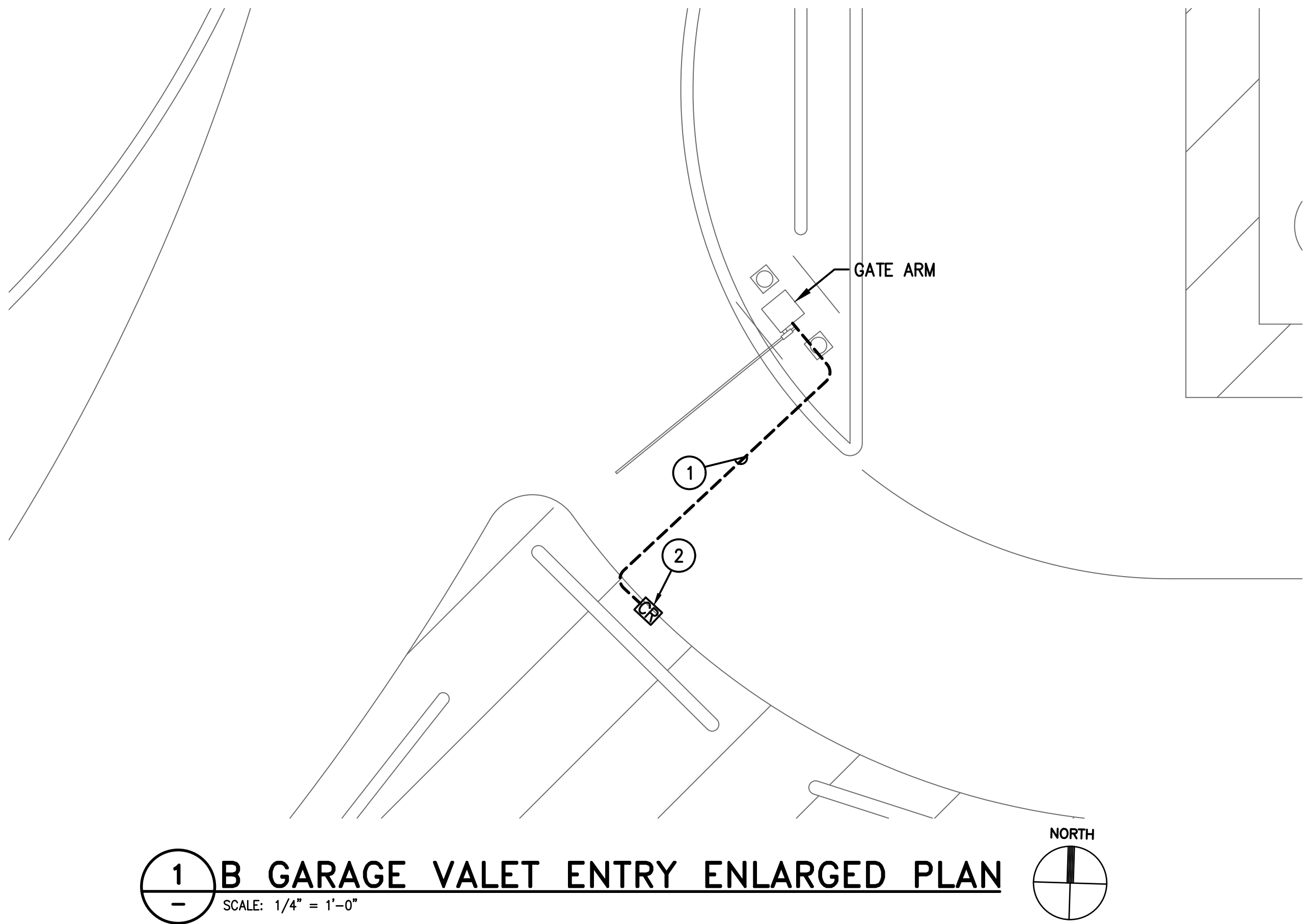
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

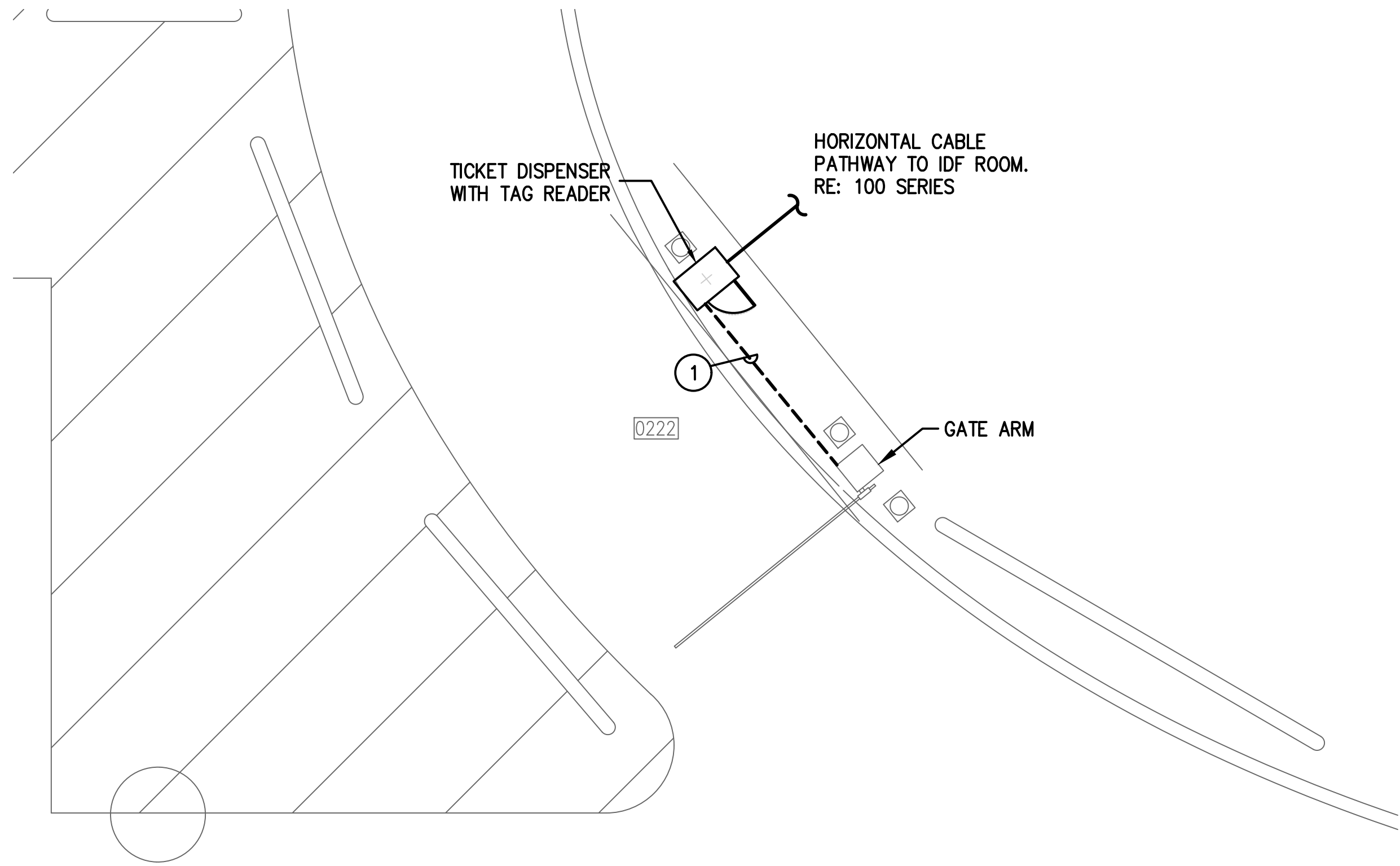
H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T2-206





**1**  
—  
**B GARAGE VALET ENTRY ENLARGED PLAN**  
SCALE: 1/4" = 1'-0"



**1**  
—  
**B GARAGE VALET EXIT ENLARGED PLAN**  
SCALE: 1/4" = 1'-0"

**GENERAL NOTES:**

1. EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
2. REFER TO 1T2-300 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
3. REFER TO 1T2-400 SERIES FOR EQUIPMENT DETAILS.
4. REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION.
5. FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED.
6. REFER TO 0T0-400 SERIES FOR TYPICAL DETAILS.

**KEYED NOTES:**

- ① UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN SECURITY ENCLOSURE & GATE ARM
- ② MOUNT ON PEDESTAL. REFER TO 0T0-402 FOR MOUNTING DETAIL.



**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS



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THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: F-686  
WWW.KIMLEY-HORN.COM

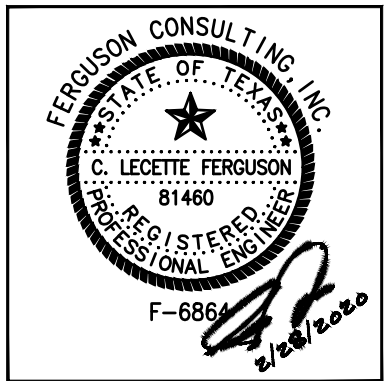


FERGUSON CONSULTING, INC.  
1000 WOODLAND, SUITE 200  
THE WOODLANDS, TEXAS 77380  
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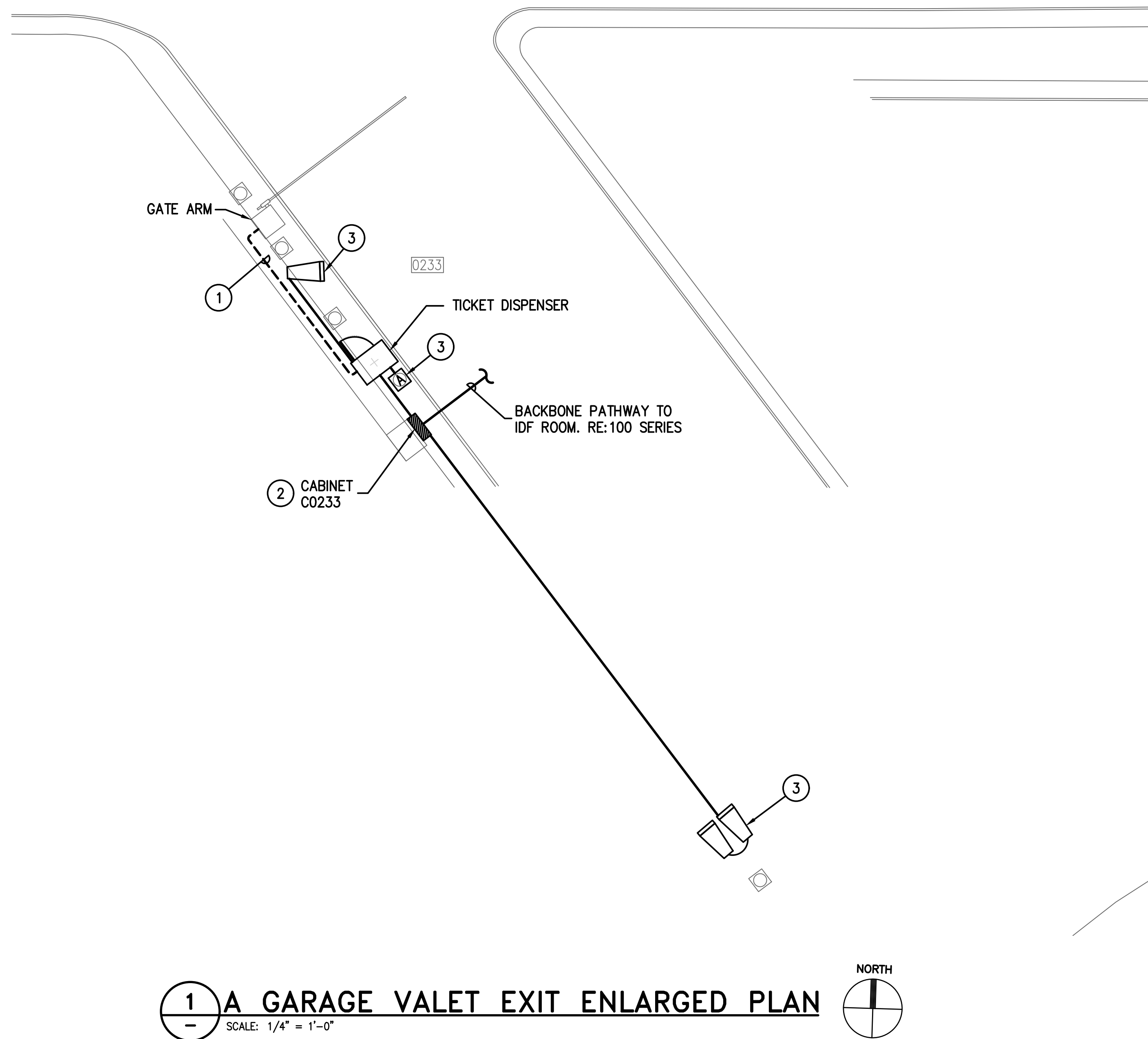
PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
AB GARAGE-ENLARGED PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. <b>067810800</b>	
C.I.P. NO.	
H.A.S. NO. <b>PN HKE-PARCS-2020-003</b>	
SHEET NO.	





**1** A GARAGE VALET EXIT ENLARGED PLAN  
SCALE: 1/4" = 1'-0"

**GENERAL NOTES:**

1. EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
2. REFER TO 1T2-300 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
3. REFER TO 1T2-400 SERIES FOR EQUIPMENT DETAILS.
4. REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION.
5. FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED.
6. REFER TO 0T0-400 SERIES FOR TYPICAL DETAILS.

**KEYED NOTES:**

- ① UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN SECURITY ENCLOSURE & GATE ARM
- ② PROVIDE 1-LANE TECHNOLOGY ENCLOSURE. REFER TO 0T0-401.
- ③ MOUNT ON PEDESTAL. REFER TO 0T0-402 FOR MOUNTING DETAIL.



**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS



**Kinley Horn**  
KINLEY HORN ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
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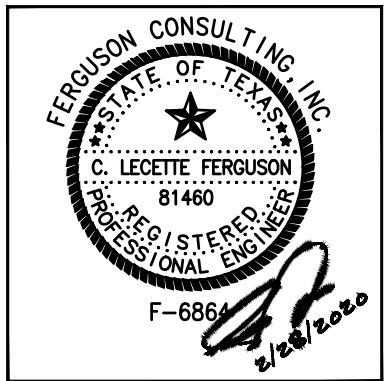


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CONSULTANTS IN CONSULTING, SECURITY, AND  
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FERGUSON CONSULTING, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TEXAS 77380  
CITY: 281-475-2816 FAX: 281-475-2814

REVISIONS		
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PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
AB GARAGE-ENLARGED PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



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DIRECTOR  
HOUSTON AIRPORT SYSTEM

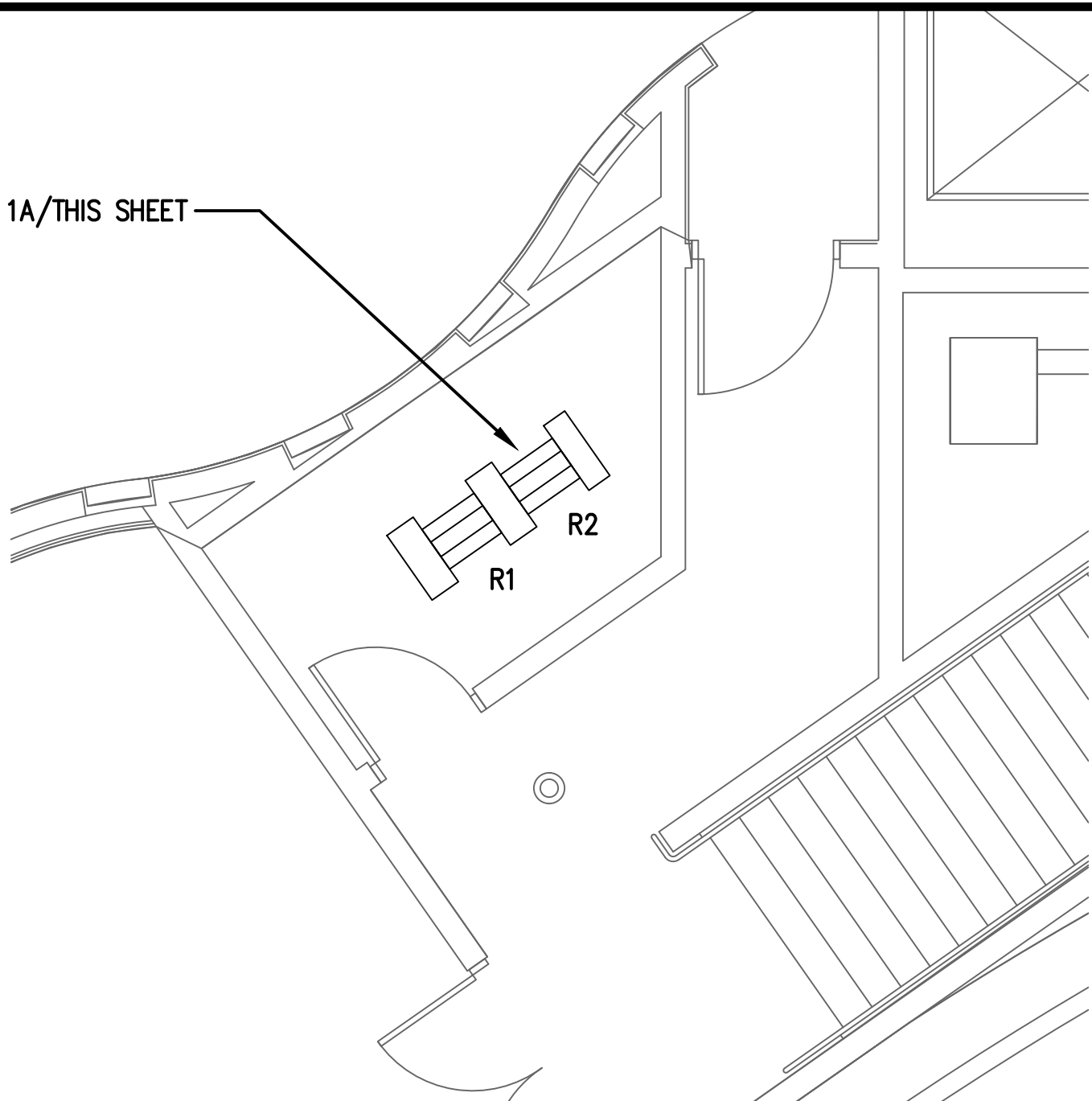
PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T2-208

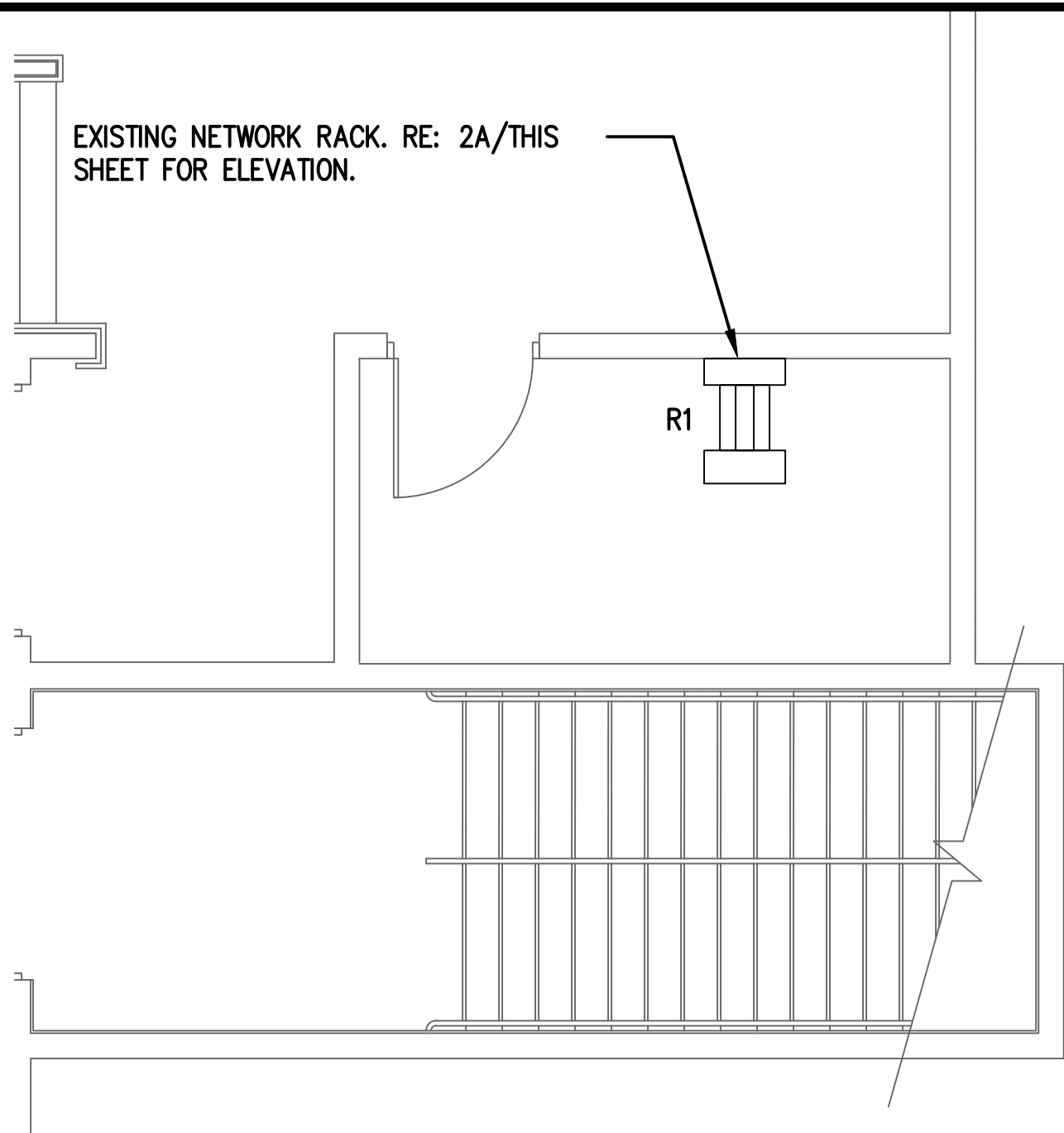


EXISTING FIBER RACK. RE: 1A/THIS SHEET FOR ELEVATION.



1 IDF G1A ENLARGED PLAN  
SCALE: 1/4" = 1'-0"

EXISTING NETWORK RACK. RE: 2A/THIS SHEET FOR ELEVATION.



2 IDF G1B ENLARGED PLAN  
SCALE: 1/4" = 1'-0"

### GENERAL NOTES:

- COORDINATE ALL IDF ROOM WORK WITH HAS IT GROUP. PROVIDE MINIMUM 30 DAYS NOTICE PRIOR TO WORK IN IDF ROOM.
- REFER TO 100 SERIES DRAWINGS FOR IDF ROOM LOCATION.

### KEYED NOTES:

- EXISTING COMMSCOPE 72 PORT LST FIBER SHELF WITH ST CONNECTORS SHOWN FOR REFERENCE ONLY.
- PROVIDE NEW SYSTIMAX 360 IPATCH G2 LC 48 PORT FIBER PATCH PANEL. FIELD VERIFY EXACT LOCATION WITH HAS IT GROUP. TERMINATE NEW FIBER CABLE NOTED. PROVIDE FIBER PATCH CORDS AS REQUIRED TO EXTEND NEW CIRCUITS TO MDF-A ROOM.
- EXISTING FIBER CONNECTIONS SHOWN FOR REFERENCE ONLY.

- 3 FMM-MDFA>G1A-1 (72MM)  
FMM-G1A>G1B-1 (24MM)  
FMM-G1A>G1C-1 (12MM)  
FMM-G1A>G7A-1 (12MM)

- 2 FSM-G1A>S1-1 (24SM)  
FSM-G1A>C0241-1 (6SM)  
FSM-G1A>SEC0227-1 (6SM)  
FSM-G1A>SEC0273-1 (6SM)

- 2 FSM-G1A>G1C (24SM)  
FSM-G1A>G1B (24SM)

- 2 FSM-G1A>C0233-1 (6SM)

- FSM-MDFA>G1A-1 (72SM)

2

- FSM-MDFA>G1A-1 (72SM)

2

- 3 FMM-G1A>G1B-1 (24MM)  
FMM-G1B>G7B-1 (12MM)

- 3 FSM-G1B>C0247-1 (6SM)  
FSM-G1B>C0241-1 (6SM)  
FSM-G1B>C0224-1 (12SM)

- 2 FSM-G1A>G1B-1 (24SM)

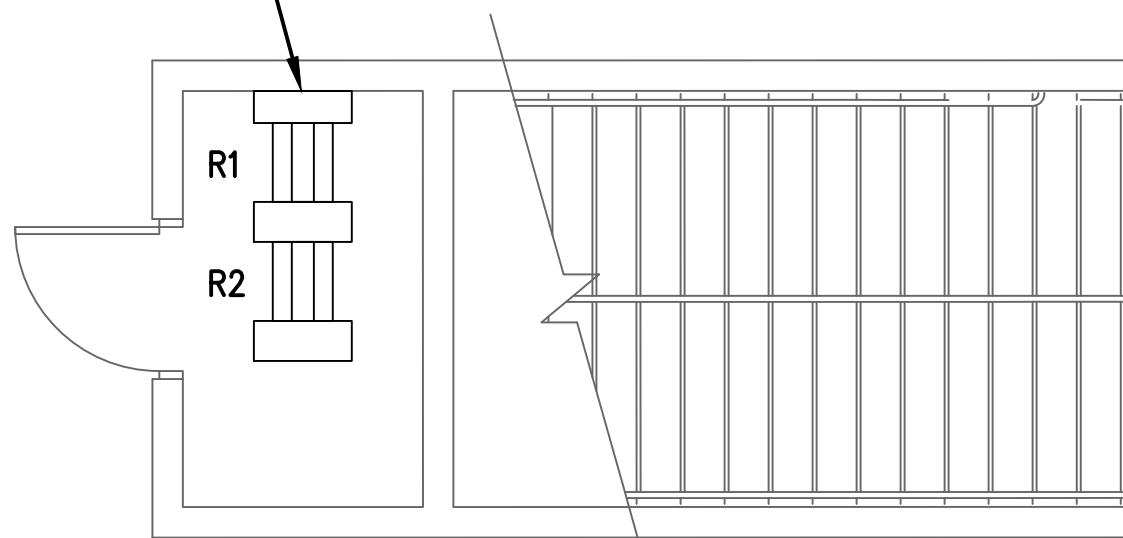
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- 3 FMM-G1A>G1C-1 (12MM)

- 2 FSM-G1A>G1C-1 (24SM)  
FSM-G1C>S2-1 (24SM)

- 2 FSM-G1>SEC0230-1 (6SM)

EXISTING FIBER RACK. RE: 3A/THIS SHEET FOR ELEVATION.



3 IDF G1C ENLARGED PLAN  
SCALE: 1/4" = 1'-0"

1A RACK ELEVATION - IDF-G1A  
SCALE: N.T.S.

2A RACK ELEVATION - IDF-G1B  
SCALE: N.T.S.

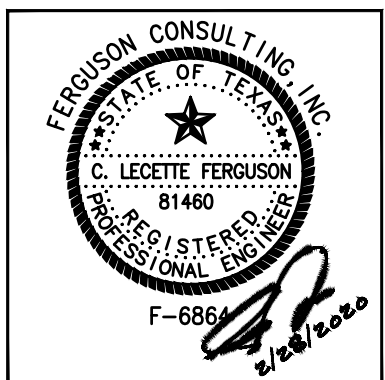
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SCALE: N.T.S.

REVISIONS		
NO.	DESCRIPTION	DATE

BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
AB GARAGE ENLARGED PLANS - IDF  
ROOMS

PROJECT MGR:	LF
DESIGNER:	PM
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CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



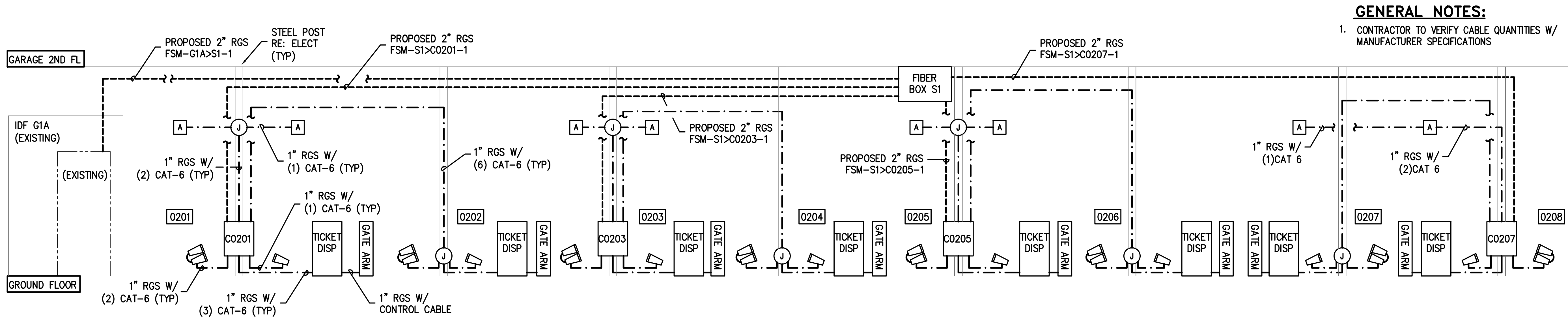
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DIRECTOR  
HOUSTON AIRPORT SYSTEM

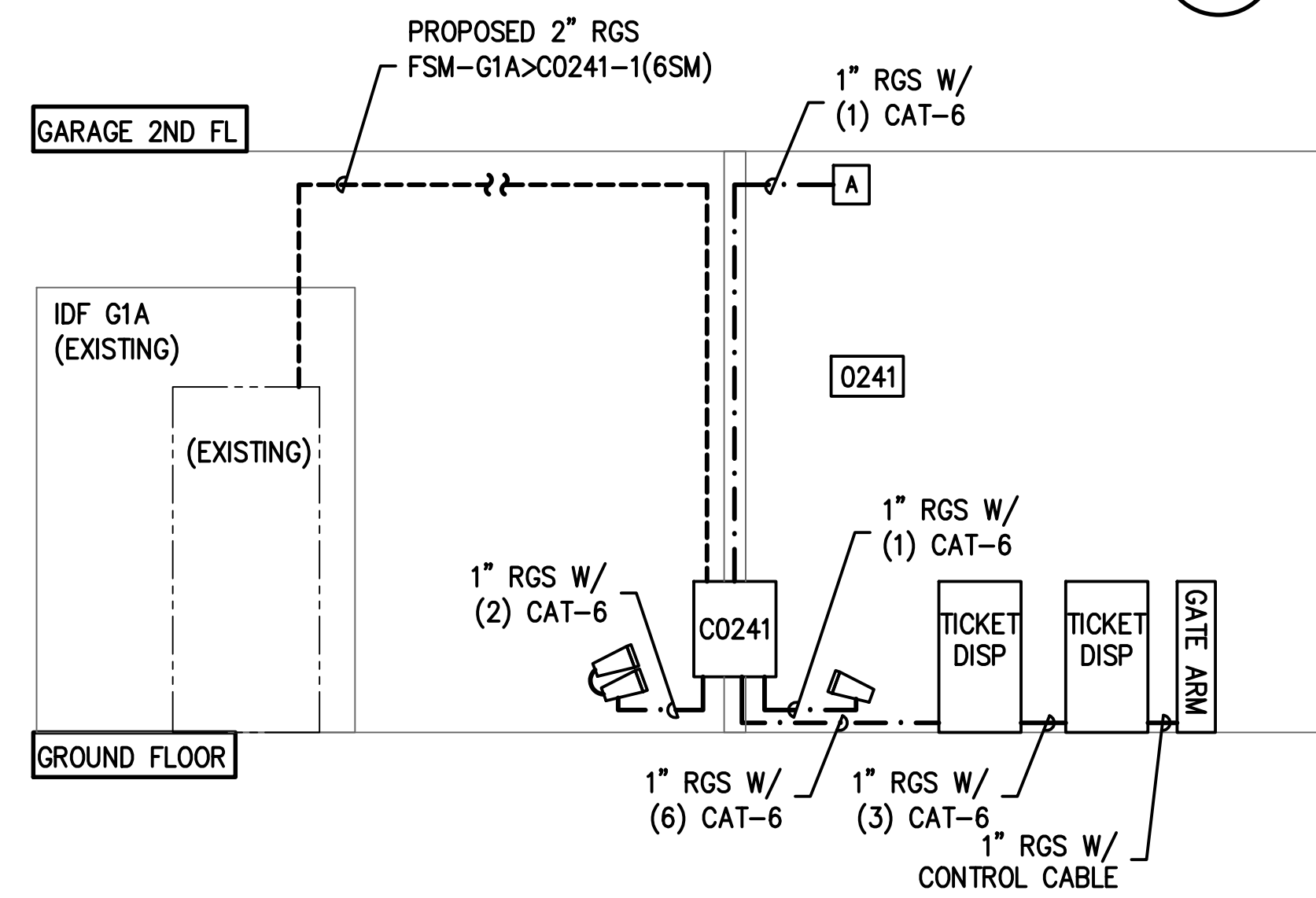
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**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

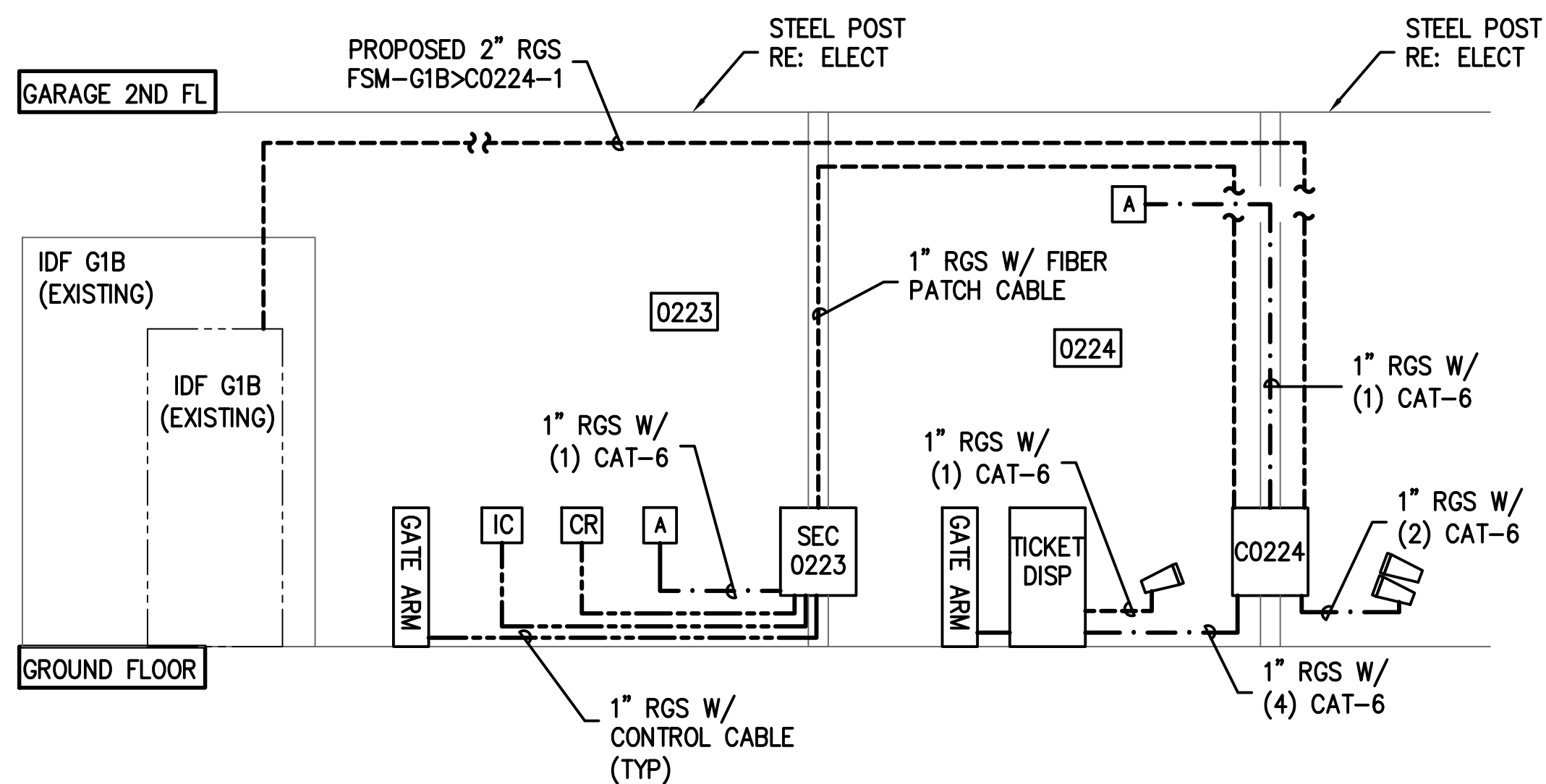




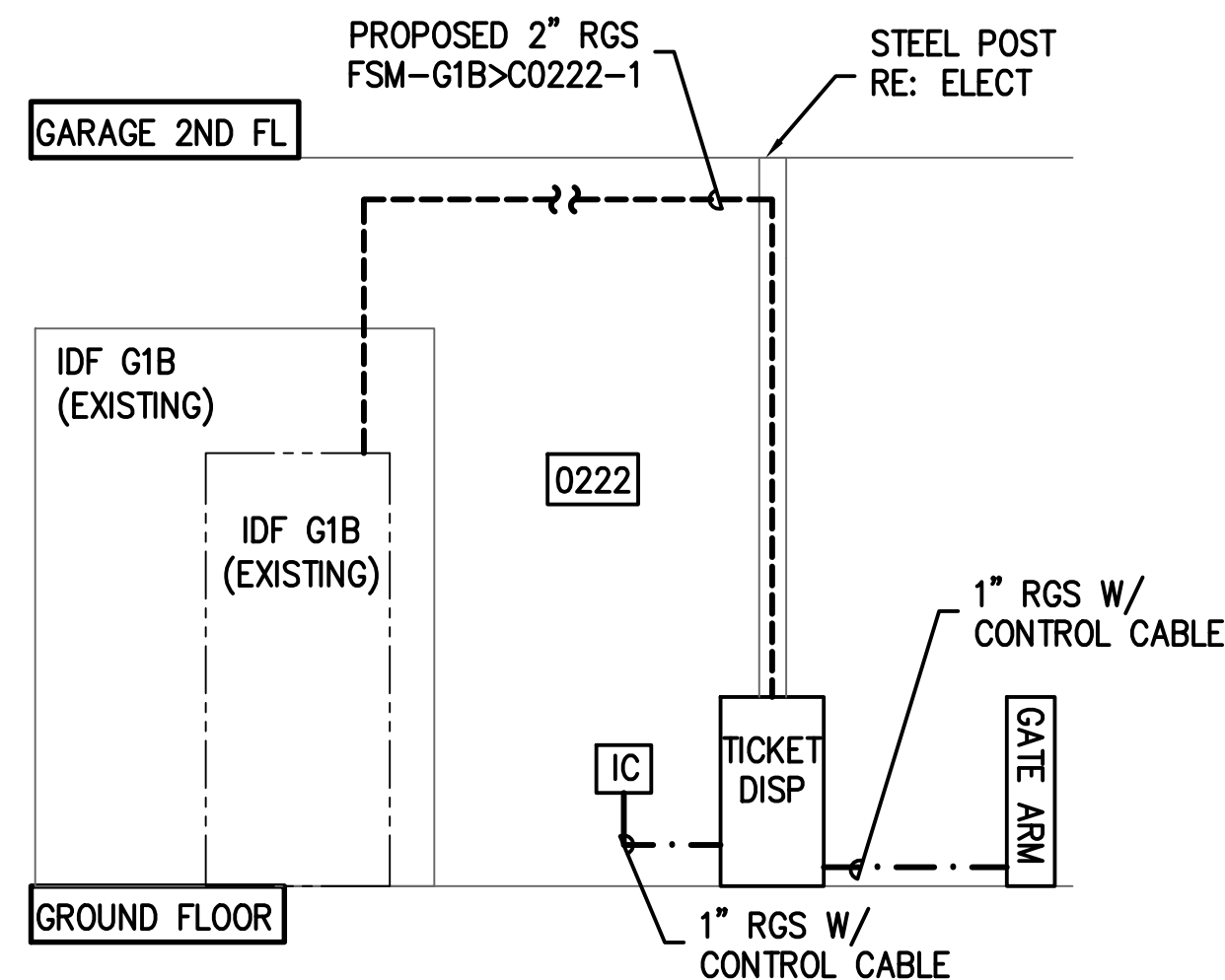
**1 A/B GARAGE EXPRESS EXIT PLAZA WEST-RISER DIAGRAM**  
SCALE: NTS



**2 TERMINAL A VALET ENTRY-RISER DIAGRAM**  
SCALE: NTS



**3 TERMINAL B CONTRACT/VALET EXIT-RISER DIAGRAM**  
SCALE: NTS



**4 TERMINAL B VALET EXIT-RISER DIAGRAM**  
SCALE: NTS

**GENERAL NOTES:**  
1. CONTRACTOR TO VERIFY CABLE QUANTITIES W/ MANUFACTURER SPECIFICATIONS

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL AIRPORT/HOUSTON TEXAS

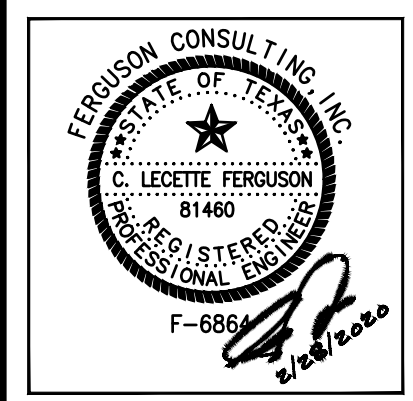
**Kimley-Horn**  
KIMLEY-HORN ASSOCIATES, INC.  
1400 WOODLARK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
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PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
AB GARAGE-RISER DIAGRAMS

PROJECT MGR: LF  
DESIGNER: PM  
DRAWN BY: FR  
CHECKED BY: LF  
SCALE: AS SHOWN  
DATE: 2/28/2020



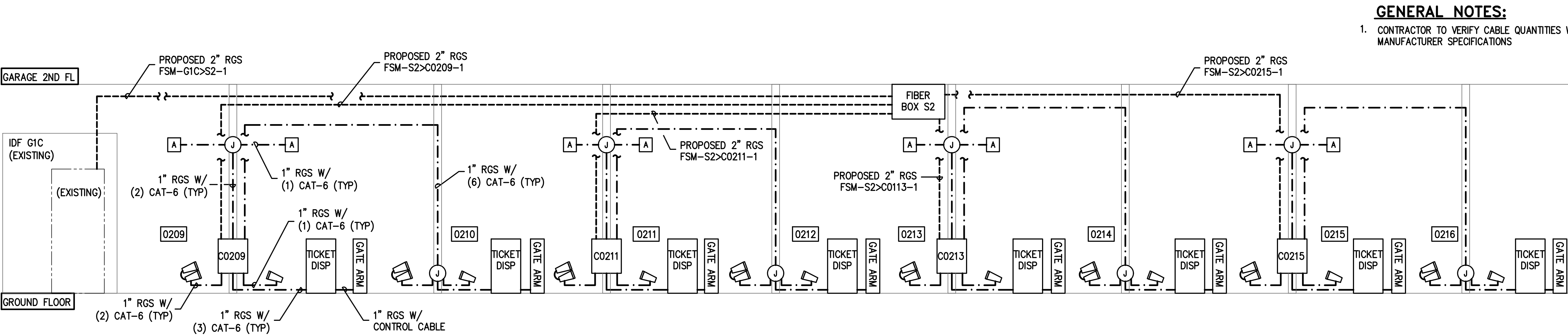
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HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

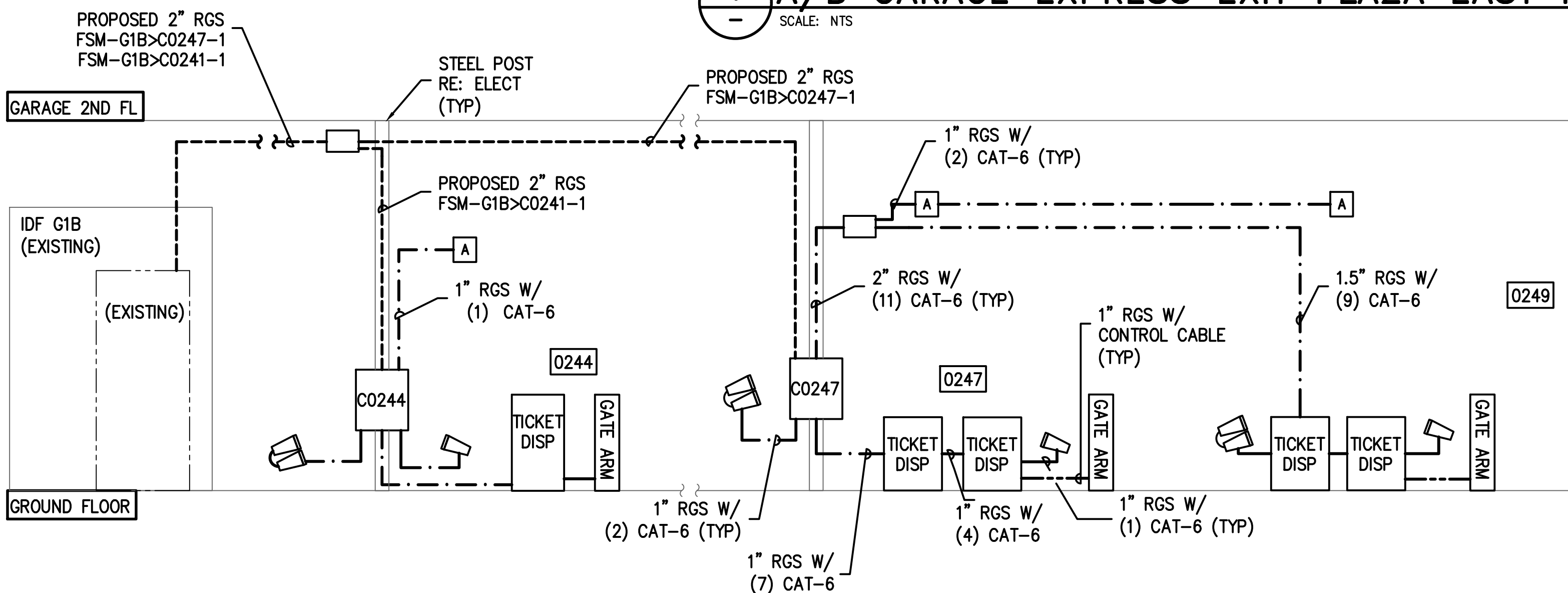
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**PN HKE-PARCS-2020-003**  
SHEET NO.



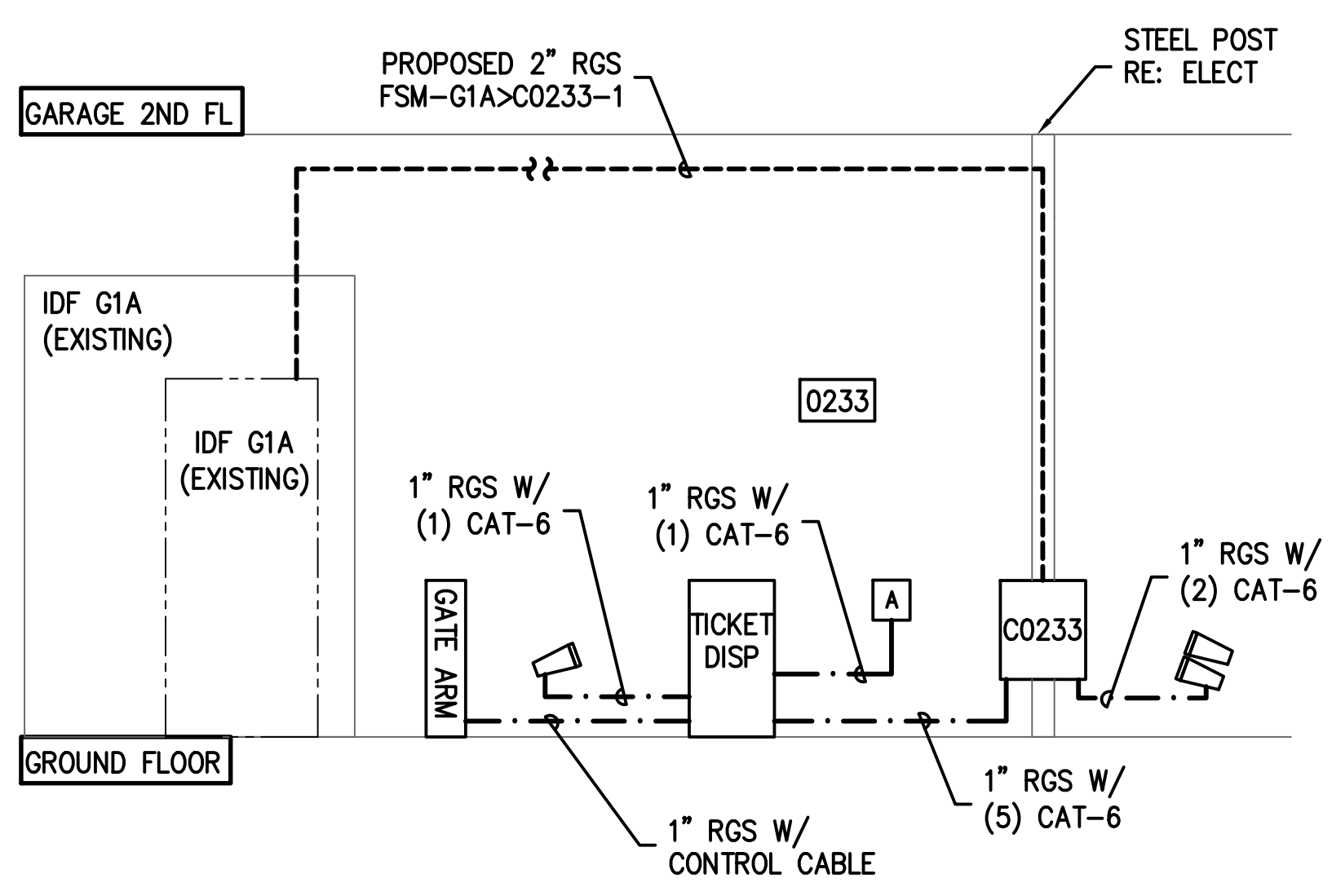


**GENERAL NOTES:**  
1. CONTRACTOR TO VERIFY CABLE QUANTITIES W/  
MANUFACTURER SPECIFICATIONS

**1 A/B GARAGE EXPRESS EXIT PLAZA EAST RISER DIAGRAM**  
SCALE: NTS



**2 A/B ENTRY & B VALET ENTRY-RISER DIAGRAM**  
SCALE: NTS



**5 A VALET EXIT RISER DIAGRAM**  
SCALE: NTS

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

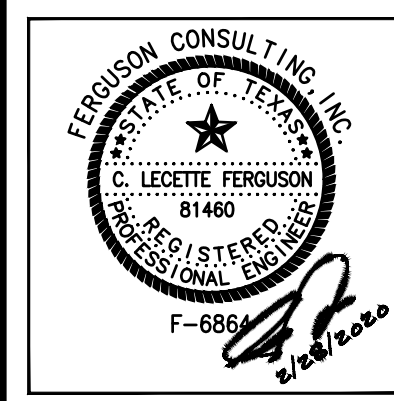
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CONTROL SYSTEMS (PARCS)  
AB GARAGE-RISER DIAGRAMS

PROJECT MGR:	LF
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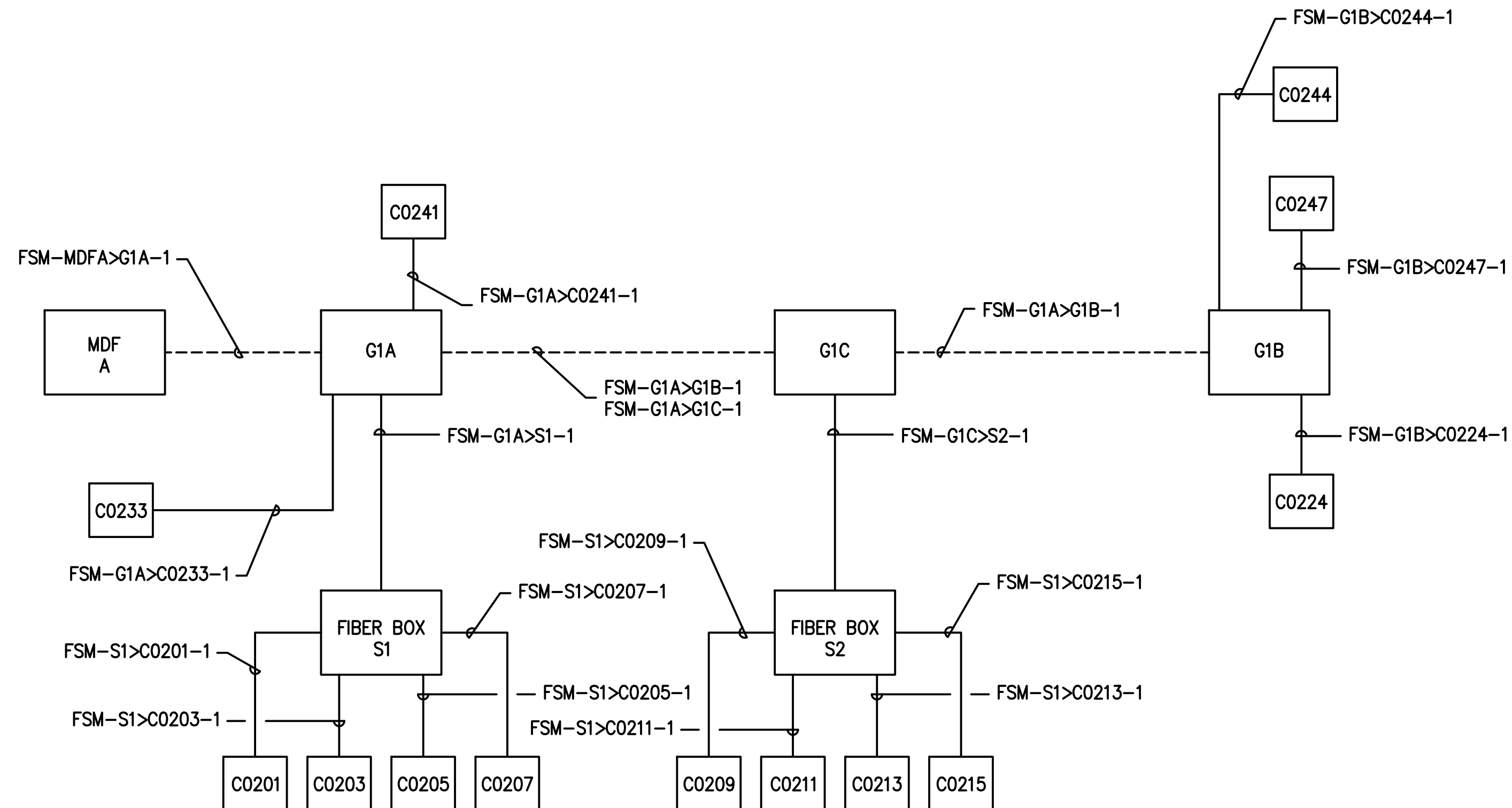


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HOUSTON AIRPORT SYSTEM

PROJECT NO.  
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**PN HKE-PARCS-2020-003**  
SHEET NO.





## WIRING LEGEND

----- NEW CABLE IN EXISTING PATHWAY

NEW CABLE IN NEW PATHWAY

# 1 AB GARAGE—FIBER BACKBONE BLOCK DIAGRAM

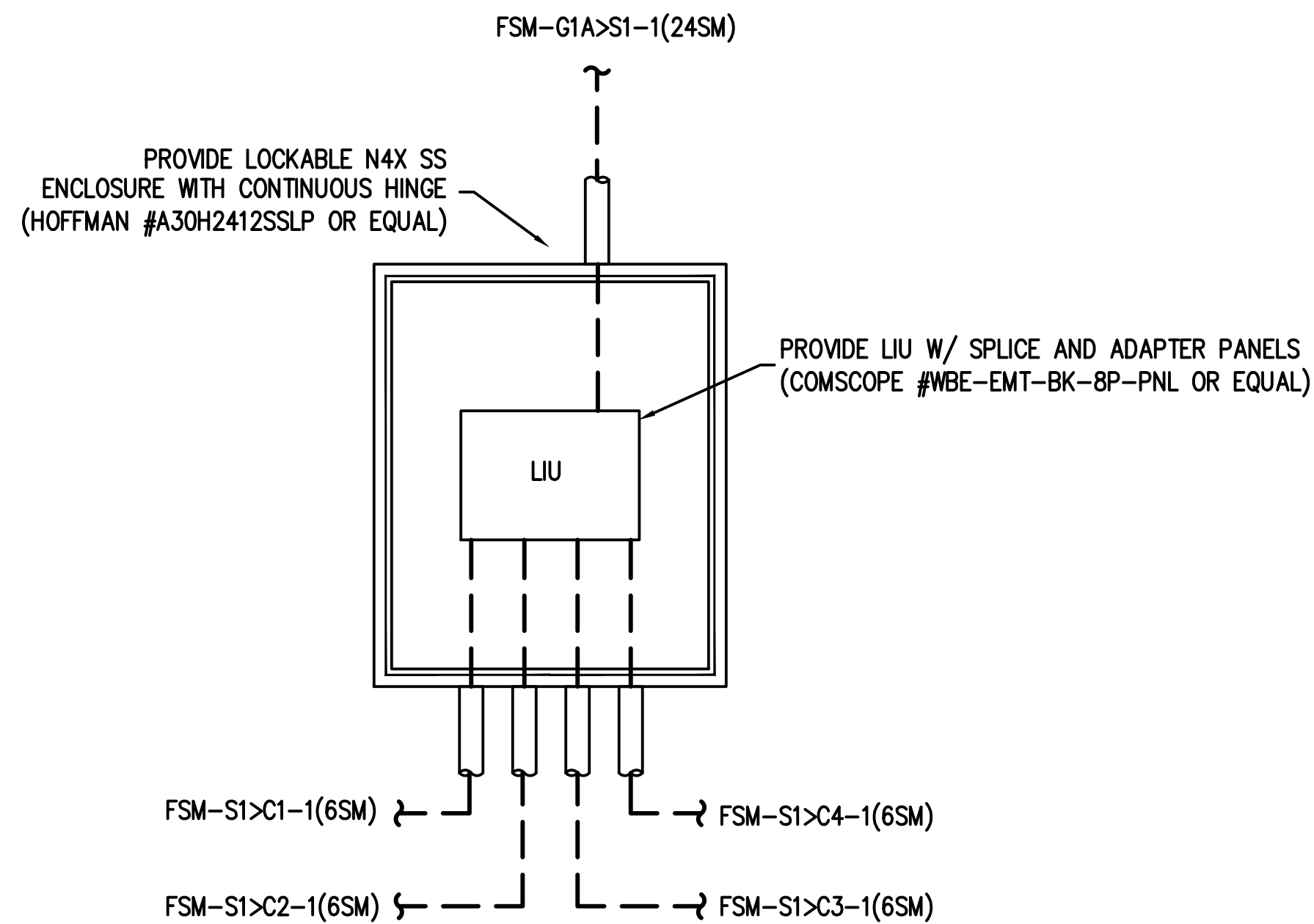
SCALE: NTS

FIBER OPTIC CABLES TO BE INSTALLED					
ITEM#	CABLE ID	ORIGIN	DESTINATION	STRAND COUNT	STRAND
1	FSM-MDF>G1A-1	MDF-A	IDF-G1A	SM	72
2	FSM-G1A>G1B-1	IDF-G1A	IDF-G1B	SM	24
3	FSM-G1A>G1C-1	IDF-G1A	IDF-G1C	SM	24
4	FSM-G1A>S1-1	IDF-G1A	FIBER BOX S1	SM	24
5	FSM-G1A>C0241-1	IDF-G1A	TECH CAB C0241	SM	12
6	FSM-G1A>C0233-1	IDF-G1A	TECH CAB C0233	SM	6
7	FSM-S1>C0201-1	IDF-S1	TECH CAB C0201	SM	6
8	FSM-S1>C0203-1	IDF-S1	TECH CAB C0203	SM	6
9	FSM-S1>C0205-1	IDF-S1	TECH CAB C0205	SM	6
10	FSM-S1>C0207-1	IDF-S1	TECH CAB C0207	SM	6
11	FSM-G1C>S2-1	IDF-G1C	FIBER BOX S2	SM	6
12	FSM-S2>C0209-1	IDF-S2	TECH CAB C0209	SM	6
13	FSM-S2>C0211-1	IDF-S2	TECH CAB C0211	SM	24
14	FSM-S2>C0213-1	IDF-S2	TECH CAB C0213	SM	6
15	FSM-S2>C0215-1	IDF-S2	TECH CAB C0215	SM	6
16	FSM-G1B>C0247-1	IDF-G1B	TECH CAB C0247	SM	6
17	FSM-G1B>C0244-1	IDF-G1B	TECH CAB C0244	SM	6
18	FSM-G1B>C0224-1	IDF-G1B	TECH CAB C0224	SM	6

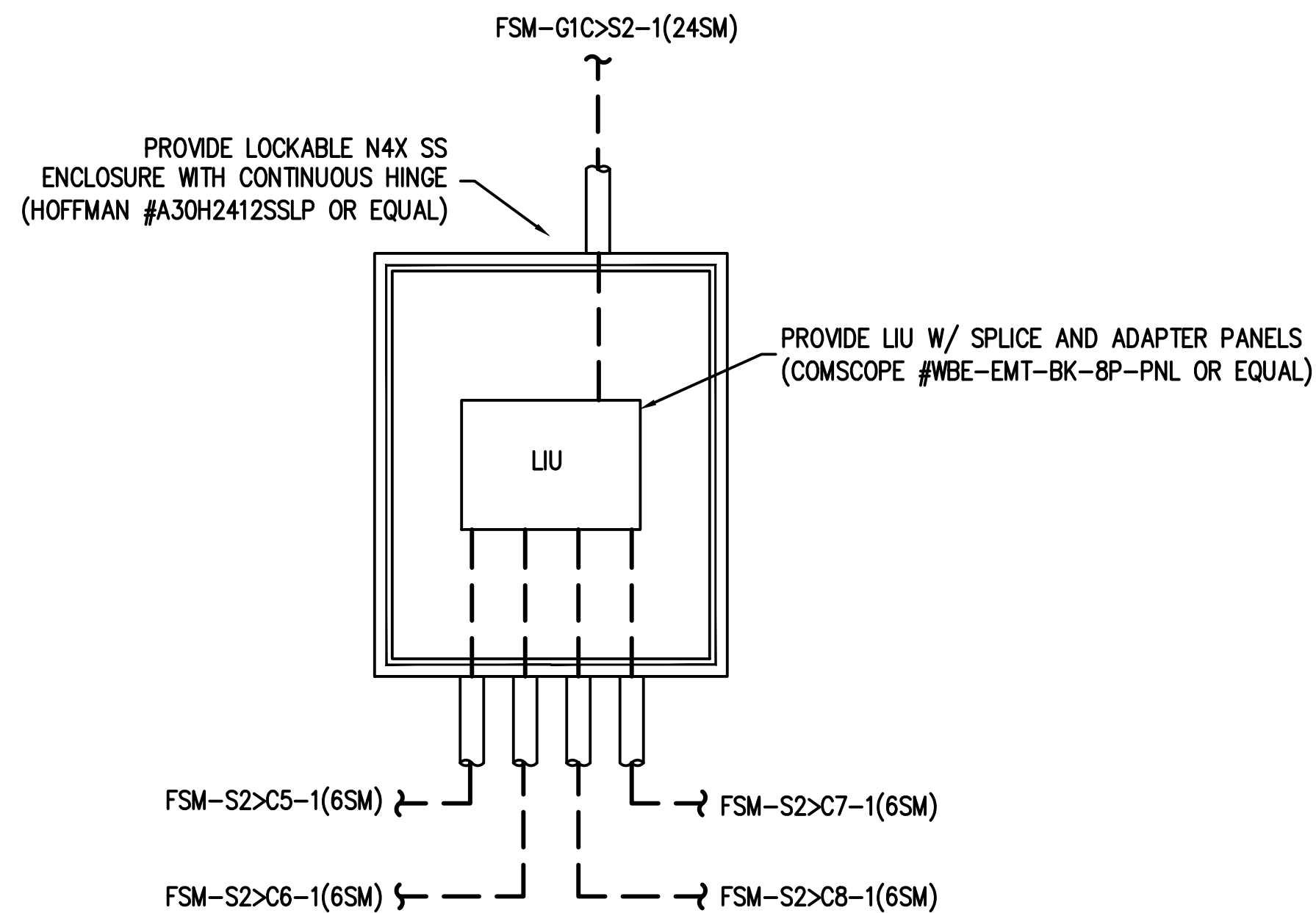




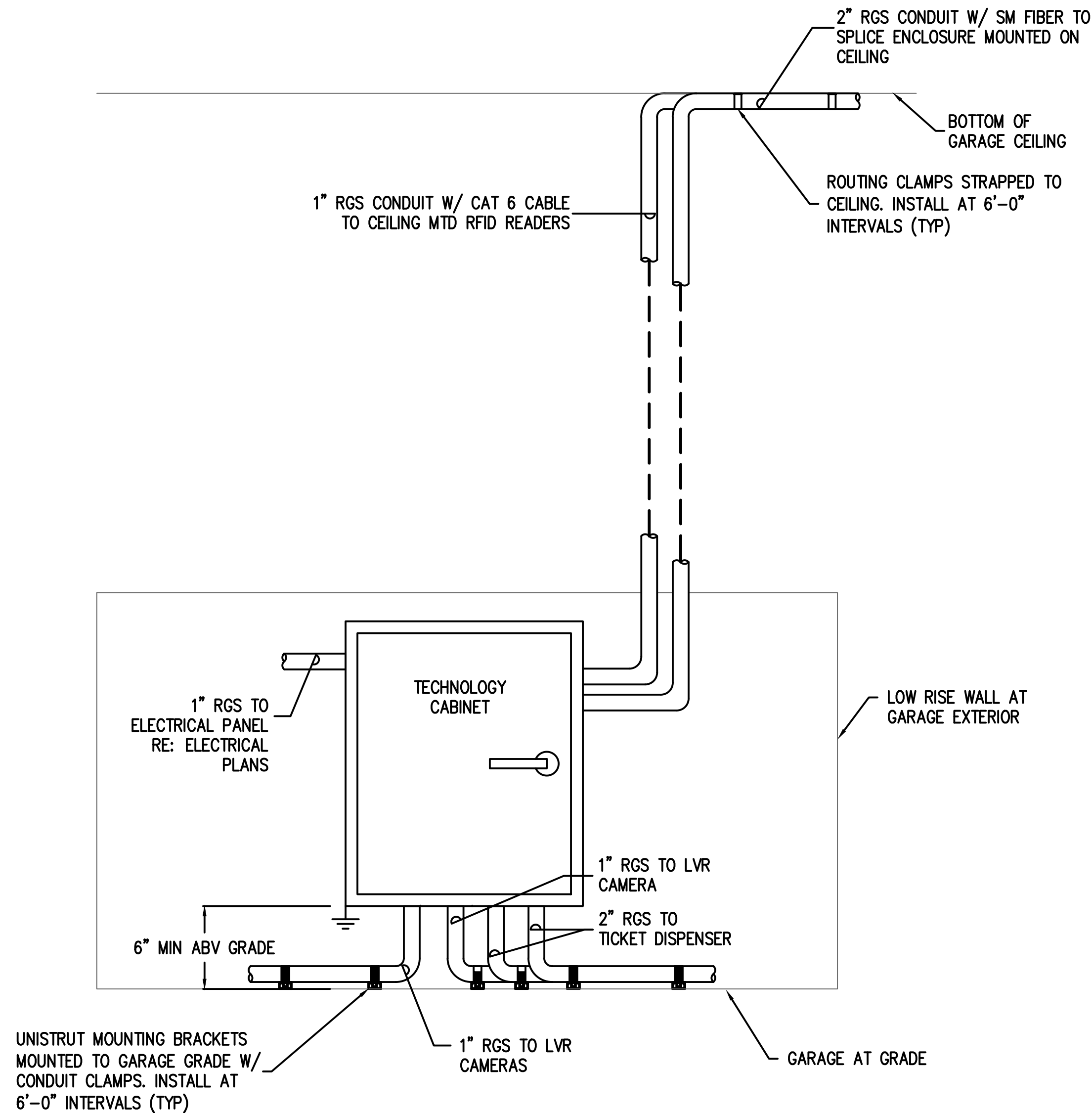




**1 FIBER BOX S1 DETAIL**  
SCALE: NTS



**3 FIBER BOX S2 DETAIL**  
SCALE: NTS



**LANE 0241**  
**2 TECHNOLOGY ENCLOSURE MOUNTING DETAIL**  
SCALE: NTS

REVISIONS		
NO.	DESCRIPTION	DATE BY

**PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
AB GARAGE DETAILS**

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



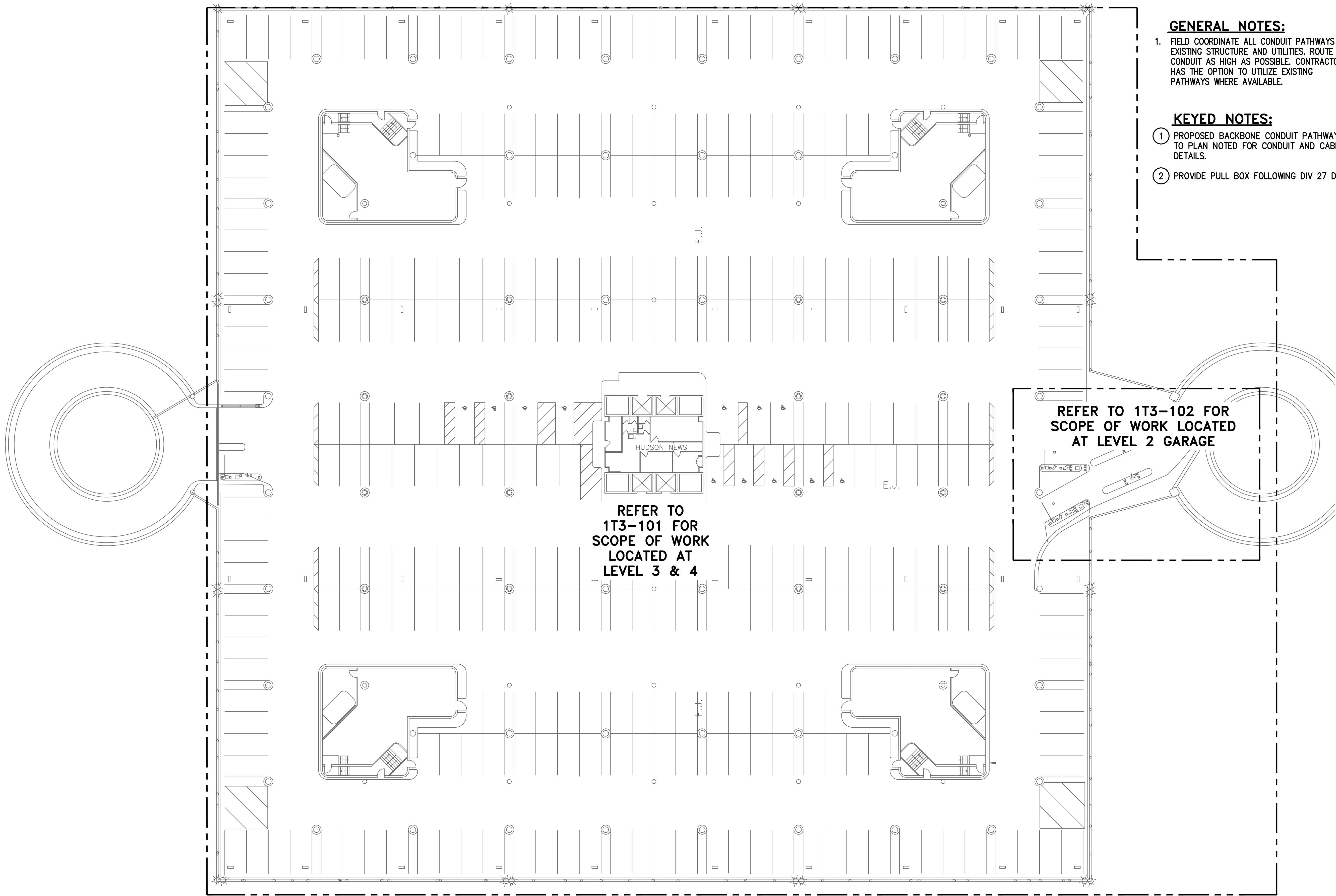
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.





**GENERAL NOTES:**

1. FIELD COORDINATE ALL CONDUIT PATHWAYS WITH EXISTING STRUCTURE AND UTILITIES. ROUTE CONDUIT AS HIGH AS POSSIBLE. CONTRACTOR HAS THE OPTION TO UTILIZE EXISTING PATHWAYS WHERE AVAILABLE.

**KEYED NOTES:**

- 1 PROPOSED BACKBONE CONDUIT PATHWAY. REFER TO PLAN NOTED FOR CONDUIT AND CABLE DETAILS.
- 2 PROVIDE PULL BOX FOLLOWING DIV 27 DETAILS.

**HOUSTON AIRPORT SYSTEM**  
**GEORGE BUSH INTERCONTINENTAL**  
**AIRPORT/HOUSTON TEXAS**

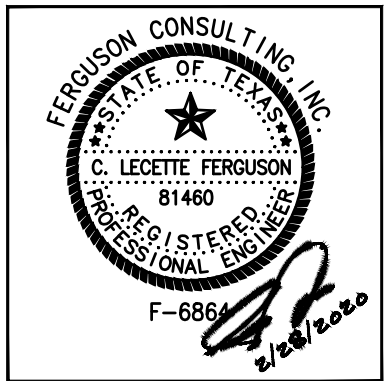
**Kimley-Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
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**Ferguson Consulting**  
CONSULTING ENGINEERS  
1502 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TEXAS 77380  
(281) 475-2816 FAX (281) 475-2817

REVISIONS		
NO.	DESCRIPTION	DATE BY

**PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
B GARAGE OVERALL SITE PLAN**

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**

C.I.P. NO.

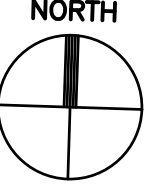
H.A.S. NO.

**PN HKE-PARCS-2020-003**

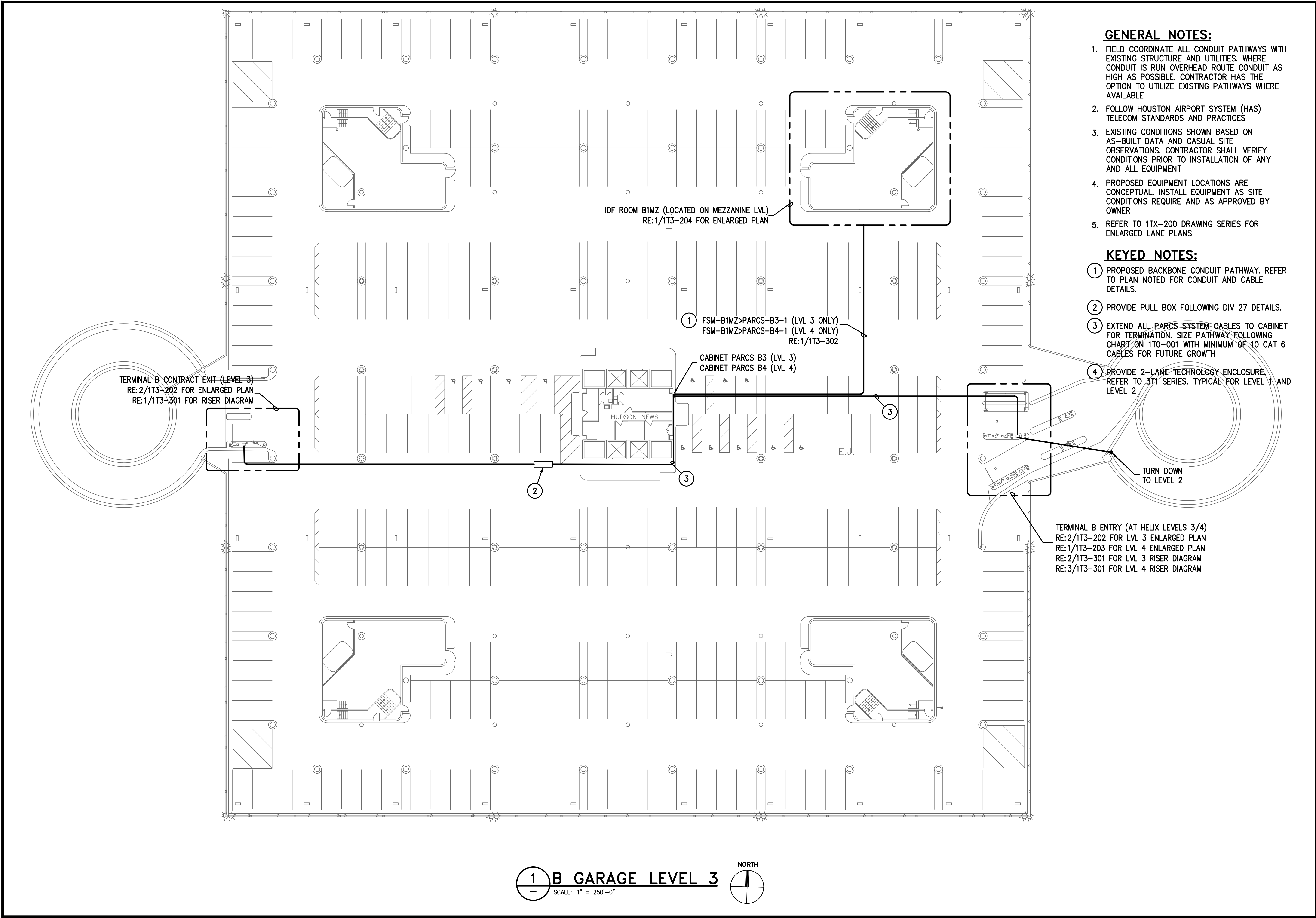
SHEET NO.

**1T3-100**

**1 B GARAGE LEVEL 3 OVERALL PLAN**  
SCALE: 1" = 250'-0"







- GENERAL NOTES:**
1. FIELD COORDINATE ALL CONDUIT PATHWAYS WITH EXISTING STRUCTURE AND UTILITIES. WHERE CONDUIT IS RUN OVERHEAD ROUTE CONDUIT AS HIGH AS POSSIBLE. CONTRACTOR HAS THE OPTION TO UTILIZE EXISTING PATHWAYS WHERE AVAILABLE
  2. FOLLOW HOUSTON AIRPORT SYSTEM (HAS) TELECOM STANDARDS AND PRACTICES
  3. EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
  4. PROPOSED EQUIPMENT LOCATIONS ARE CONCEPTUAL. INSTALL EQUIPMENT AS SITE CONDITIONS REQUIRE AND AS APPROVED BY OWNER
  5. REFER TO 1TX-200 DRAWING SERIES FOR ENLARGED LANE PLANS

- KEYED NOTES:**
- 1 PROPOSED BACKBONE CONDUIT PATHWAY. REFER TO PLAN NOTED FOR CONDUIT AND CABLE DETAILS.
  - 2 PROVIDE PULL BOX FOLLOWING DIV 27 DETAILS.
  - 3 EXTEND ALL PARCS SYSTEM CABLES TO CABINET FOR TERMINATION. SIZE PATHWAY FOLLOWING CHART ON 1T0-001 WITH MINIMUM OF 10 CAT 6 CABLES FOR FUTURE GROWTH
  - 4 PROVIDE 2-LANE TECHNOLOGY ENCLOSURE. REFER TO 3T1 SERIES. TYPICAL FOR LEVEL 1 AND LEVEL 2

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley-Horn**  
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1000 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TEXAS 77380  
PH: 281-475-2816 FAX: 281-475-2817

REVISIONS			
NO.	DESCRIPTION	DATE	BY

**PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)**

**B GARAGE - LEVEL 3**

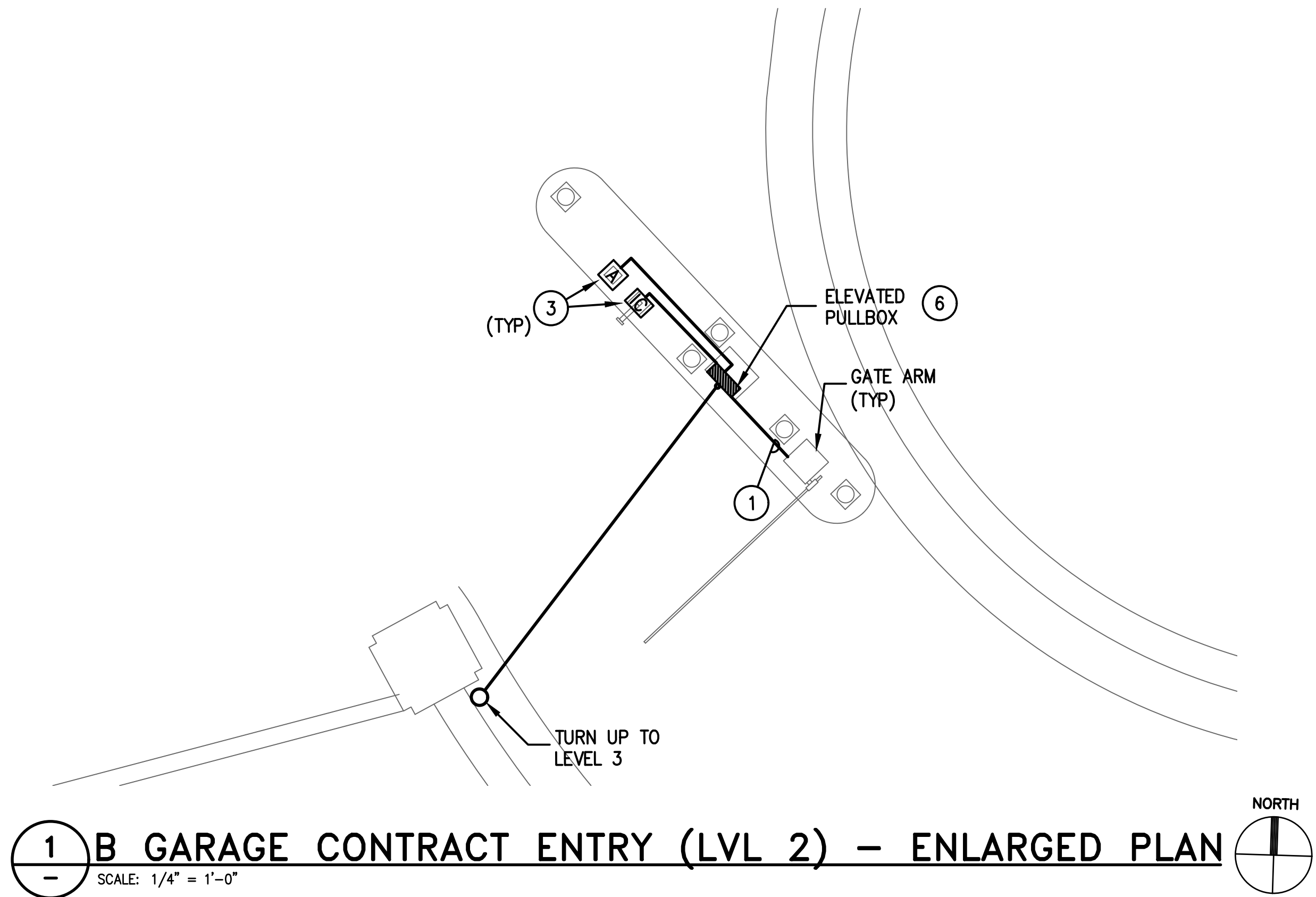
PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020

FERGUSON CONSULTING, INC.  
STATE OF TEXAS  
C. LEGETTE FERGUSON  
81460  
REGISTERED PROFESSIONAL ENGINEER  
F-6864  
2/28/2020

APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. <b>067810800</b>	
C.I.P. NO.	
H.A.S. NO.	
<b>PN HKE-PARCS-2020-003</b>	
SHEET NO.	

1T3-101





GENERAL NOTES:

- EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
- REFER TO 1TX-300 SERIES FOR RISER DIAGRAMS, CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1TX-400 SERIES FOR EQUIPMENT DETAILS. REFER TO OTX-400 FOR TYPICAL EQUIPMENT DETAILS
- REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION
- FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED
- ALL CONDUIT SHALL BE FURNISHED AND INSTALLED UNDER DIV. 26, BUT SHALL FOLLOW DIV. 27 INSTALLATION REQUIREMENTS
- COORDINATE ALL IDF ROOM WORK WITH RESPECTIVE OWNERS IT GROUP. PROVIDE A MINIMUM OF 30 DAYS NOTICE BEFORE WORKING IN ANY EXISTING IDF ROOM. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS TO BE MET BEFORE TURNING ANY NEW IDF ROOM OVER TO RESPECTIVE OWNER

KEYED NOTES:

- UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- USE EXISTING CONDUIT WITH NEW CABLES WHERE AVAILABLE
- MOUNT ON PEDESTAL. DEFER TO MANUFACTURER FOR MOUNTING REQUIREMENTS. REFER TO OT0-402 FOR TYPICAL DETAILS
- PROVIDE 2-LANE TECHNOLOGY ENCLOSURE. REFER TO 3T1 SERIES.
- PROVIDE 1-LANE TECHNOLOGY ENCLOSURE. REFER TO 3T1 SERIES.
- PROVIDE SECURITY ENCLOSURE. TYPE NOTED IN PLAN. REFER TO OT0-401 FOR DETAIL.
- MOUNT ON CEILING STRUCTURE.



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS



KIMLEY-HORN ASSOCIATES, INC.  
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PHONE: 281-475-2816  
TYPED FOR REGISTRATION F-608  
WWW.KIMLEY-HORN.COM



FERGUSON CONSULTING, INC.  
1000 WOODLAND AVENUE, SUITE 100  
THE WOODLANDS, TEXAS 77380  
(281) 475-2816 FAX (281) 475-2814

REVISIONS		
NO.	DESCRIPTION	DATE BY

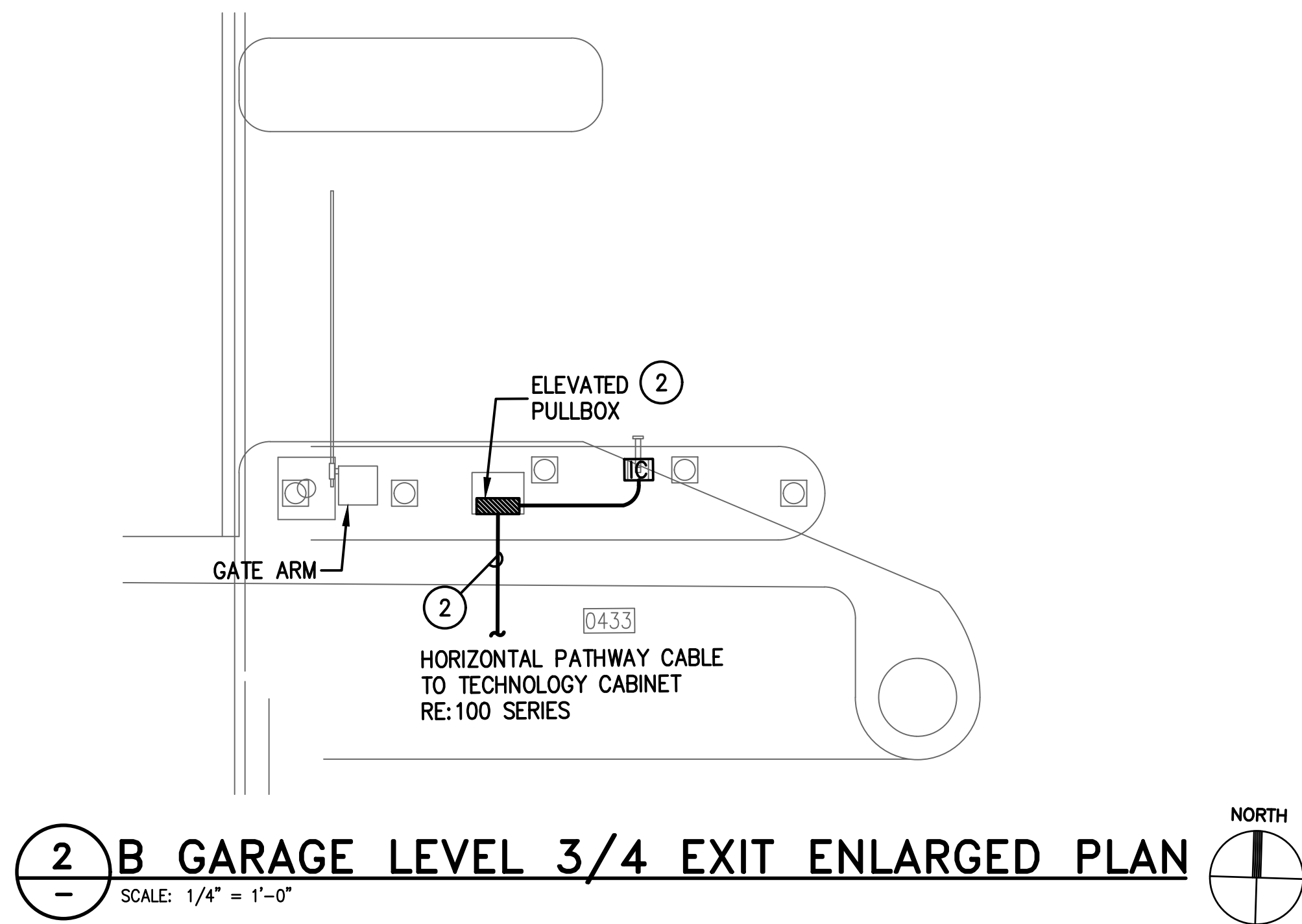
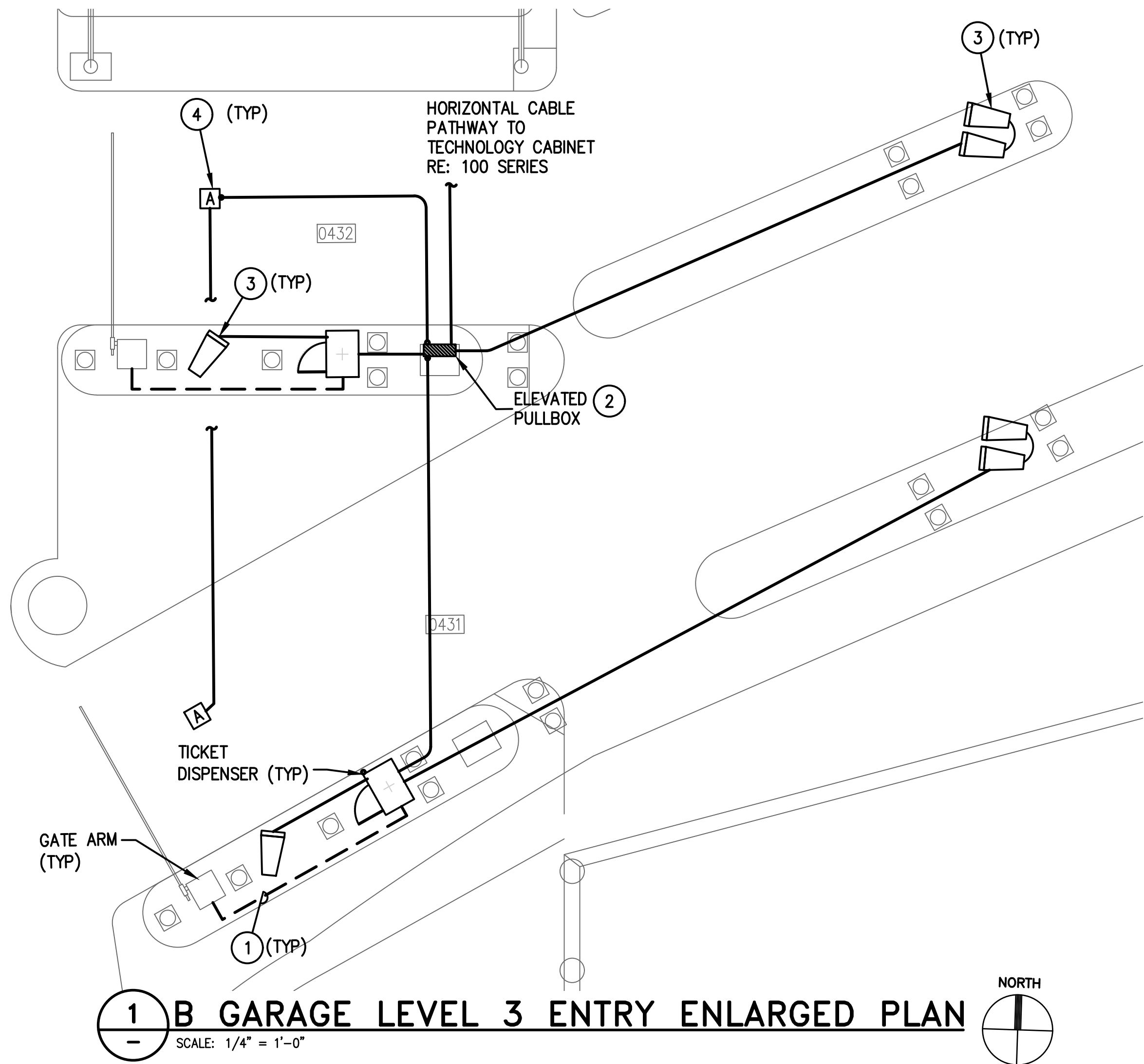
PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
B GARAGE-ENLARGED PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. 067810800	
C.I.P. NO.	
H.A.S. NO.	
PN HKE-PARCS-2020-003	
SHEET NO.	





**GENERAL NOTES:**

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**KEYED NOTES:**

- UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- PROVIDE ELEVATED PULLBOX. REFER TO
- MOUNT ON PEDESTAL. DEFER TO MANUFACTURER FOR MOUNTING REQUIREMENTS. REFER TO OT0-402 FOR TYPICAL DETAILS
- MOUNT ON CEILING STRUCTURE.

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley-Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TELE FAX: 281-475-2817  
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**Ferguson Consulting**  
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1502 WOODLAND PARKWAY, SUITE 100  
THE WOODLANDS, TEXAS 77380  
PH: 281-475-2817 FAX: 281-475-2814

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
B GARAGE-ENLARGED PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
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DATE:	2/28/2020



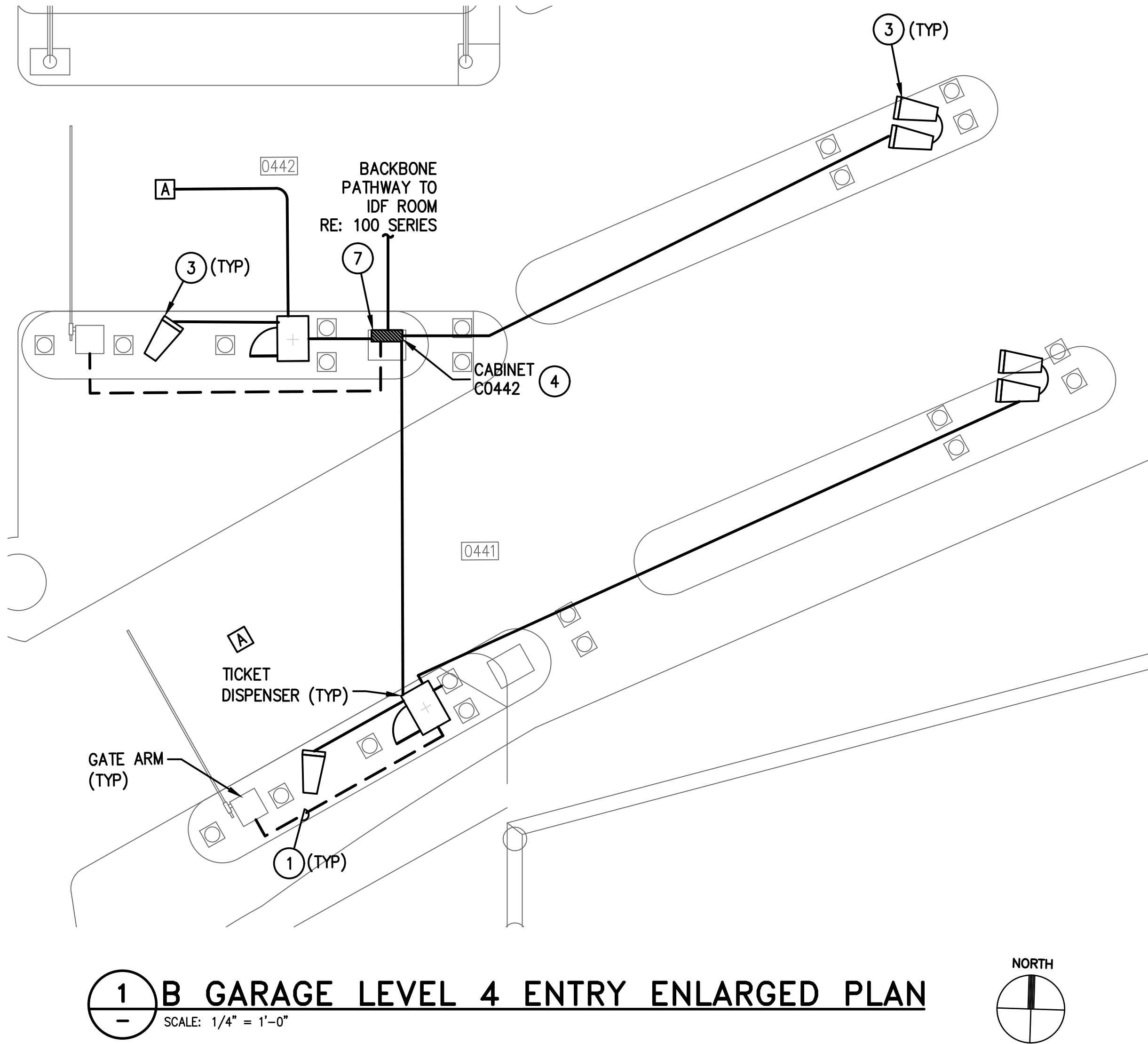
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.





**GENERAL NOTES:**

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- PROVIDE 1-LANE TECHNOLOGY ENCLOSURE. REFER TO 3T1 SERIES.
- PROVIDE SECURITY ENCLOSURE. TYPE NOTED IN PLAN. REFER TO OT0-401 FOR DETAIL.
- MOUNT ON CEILING STRUCTURE.

**HOUSTON AIRPORT SYSTEM**  
**GEORGE BUSH INTERCONTINENTAL**  
**AIRPORT/HOUSTON TEXAS**

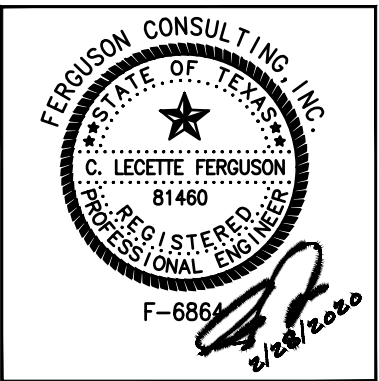
**Kimley-Horn**  
 KIMLEY-HORN AND ASSOCIATES, INC.  
 1400 WOODLICK FOREST DRIVE, SUITE 225  
 THE WOODLANDS, TX 77380  
 PHONE: 281-475-2816  
 TYPED FOR REGISTRATION F-686  
 WWW.KIMLEY-HORN.COM

**Ferguson Consulting**  
 Ferguson Consulting, Inc.  
 1000 WOODLAND, TEXAS 77380  
 (281) 475-2816 FAX: (281) 475-2814

REVISIONS			
NO.	DESCRIPTION	DATE	BY

**PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
B GARAGE-ENLARGED PLANS**

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



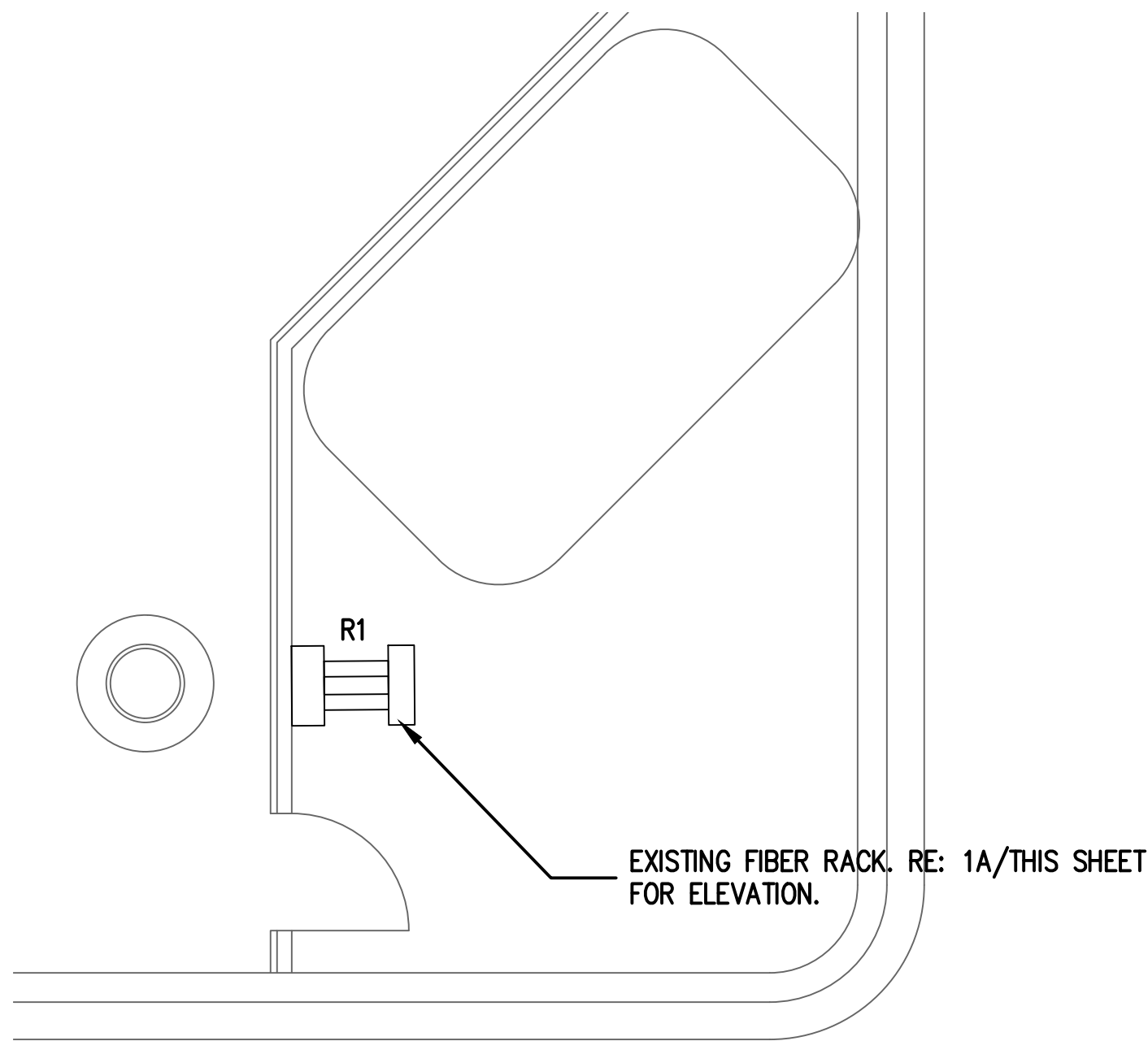
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DIRECTOR  
HOUSTON AIRPORT SYSTEM

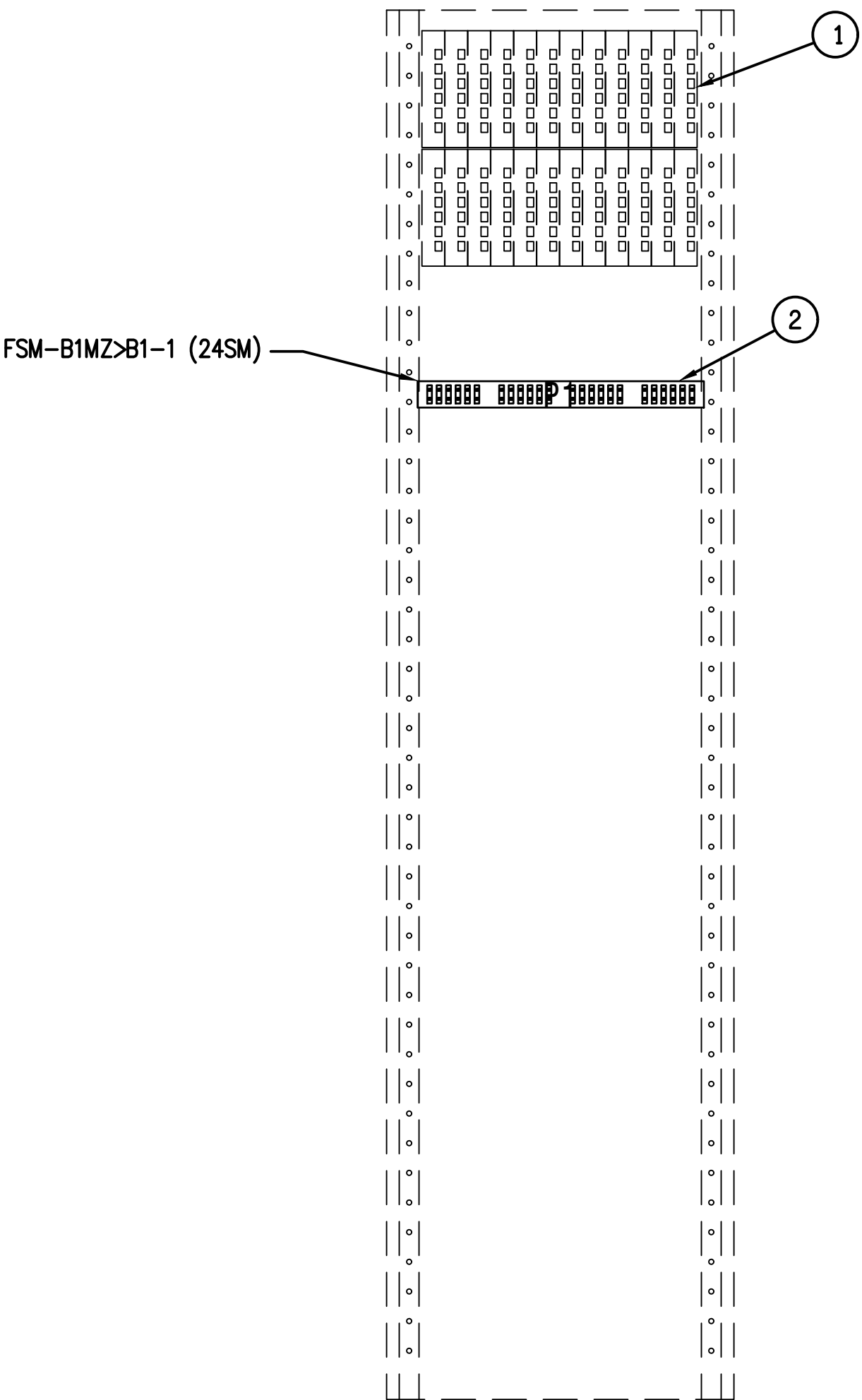
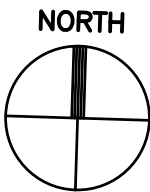
PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.





1 IDF B1MZ ENLARGED PLAN  
SCALE: 1/4" = 1'-0"



1A RACK ELEVATION - IDF B1MZ  
SCALE: N.T.S.

RACK 1

GENERAL NOTES:

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KEYED NOTES:

- EXISTING COMMSCOPE 72 PORT LST FIBER SHELF WITH ST CONNECTORS SHOWN FOR REFERENCE ONLY.
- PROVIDE NEW SYSTIMAX 360 IPATCH G2 LC 48 PORT FIBER PATCH PANEL. FIELD VERIFY EXACT LOCATION WITH HAS IT GROUP. TERMINATE NEW FIBER CABLE NOTED. PROVIDE FIBER PATCH CORDS AS REQUIRED TO EXTEND NEW CIRCUITS TO MDF-A ROOM.



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS



KIMLEY-HORN ASSOCIATES, INC.  
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THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
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WWW.KIMLEY-HORN.COM

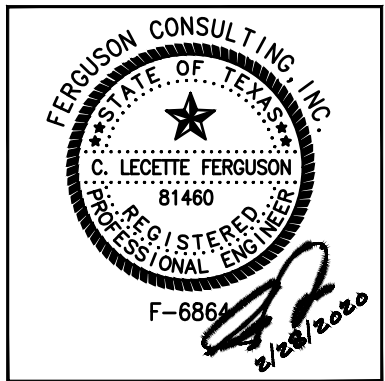


FERGUSON CONSULTING, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TEXAS 77380  
(281) 475-2816 FAX: (281) 475-2814

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
B GARAGE ENLARGED PLANS - IDF  
ROOMS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.

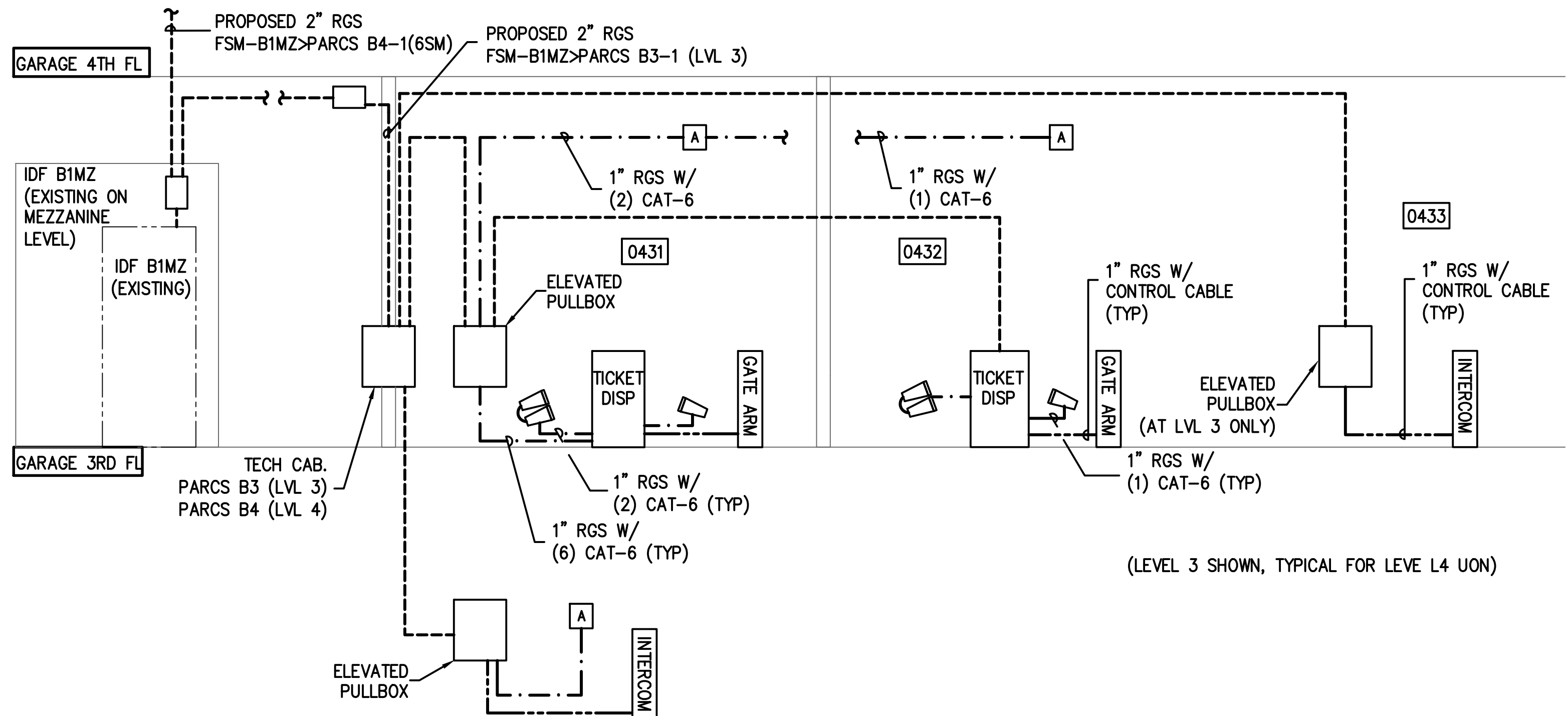
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PN HKE-PARCS-2020-003  
SHEET NO.

1T3-204

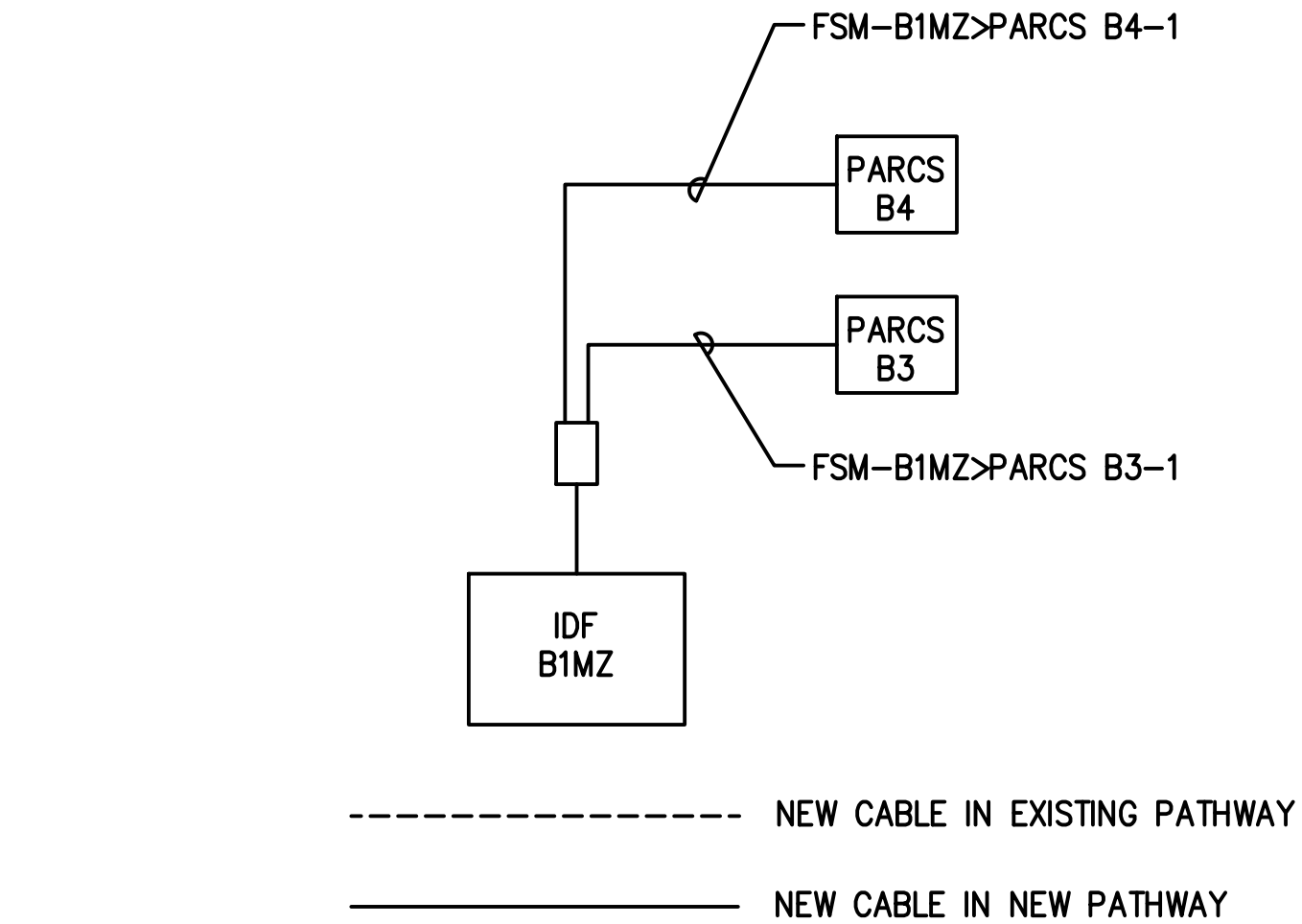


GENERAL NOTES:

1. CONTRACTOR TO VERIFY CABLE QUANTITIES W/ MANUFACTURER SPECIFICATIONS



1 TERMINAL B LEVEL 3/4 ENTRY AND EXIT-RISER DIAGRAM  
SCALE: NTS



2 B GARAGE FIBER BLOCK DIAGRAM  
SCALE: NTS

FIBER OPTIC CABLES TO BE INSTALLED					
ITEM#	CABLE ID	ORIGIN	DESTINATION	STRAND COUNT	STRAND
1	FSM-B1MZ>B1-1	IDF-B1MZ	FIBER BOX B1	SM	24
2	FSM-B1>C0432-1	IDF-B1	TECH CAB C0432	SM	6
3	FSM-B1>C0442-1	IDF-B1	TECH CAB C0442	SM	6
4	FSM-B1>SEC0433-1	IDF-B1	SEC CAB SEC0433	SM	6

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

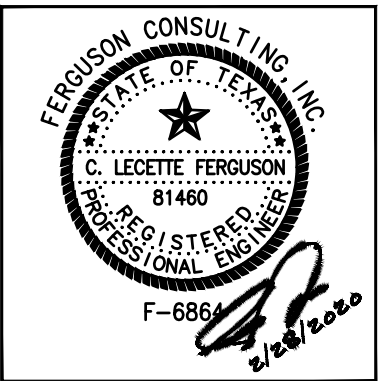
**Kimley-Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLARK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: 528  
WWW.KIMLEY-HORN.COM

**Ferguson Consulting**  
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1000 WOODLARK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TEXAS 77380  
CNO 7580-0000 1000 WOODLARK FOREST DRIVE, SUITE 225

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
B GARAGE-RISER DIAGRAMS AND FIBER  
BLOCK DIAGRAM

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

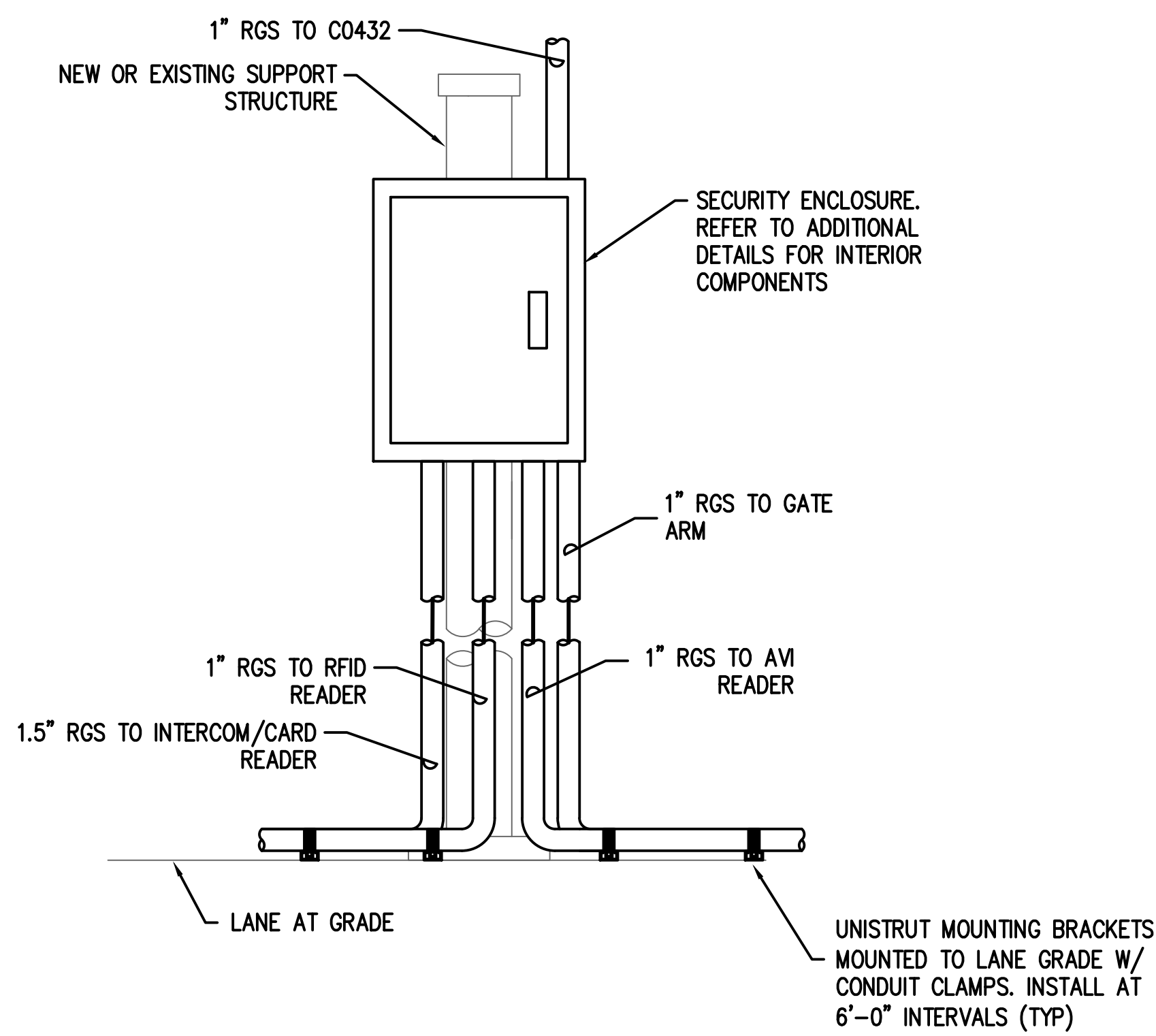
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.	067810800
C.I.P. NO.	
H.A.S. NO.	PN HKE-PARCS-2020-003
SHEET NO.	












**1**  
—  
**LEVEL 3 CONTRACT EXIT—ELEVATED PULLBOX MOUNTING DETAIL**  
SCALE: NTS



**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS



**Kimley-Horn**  
KIMLEY-HORN ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FOR REGISTRATION: F-528  
WWW.KIMLEY-HORN.COM

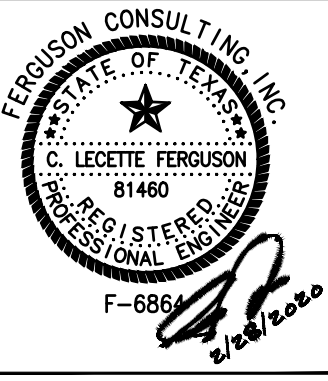


**Ferguson Consulting**  
FERGUSON CONSULTING, INC.  
1002 ROCKING HILL RD, SUITE 400  
THE WOODLANDS, TEXAS 77380  
(281) 265-1528 FAX (281) 265-1524

REVISIONS		
NO.	DESCRIPTION	DATE BY

**PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
B GARAGE ENCLOSURE DETAILS**

<b>PROJECT MGR:</b>	LF
<b>DESIGNER:</b>	PM
<b>DRAWN BY:</b>	FR
<b>CHECKED BY:</b>	LF
<b>SCALE:</b>	AS SHOWN
<b>DATE:</b>	2/28/2020



**APPROVED BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**DIRECTOR**  
HOUSTON AIRPORT SYSTEM

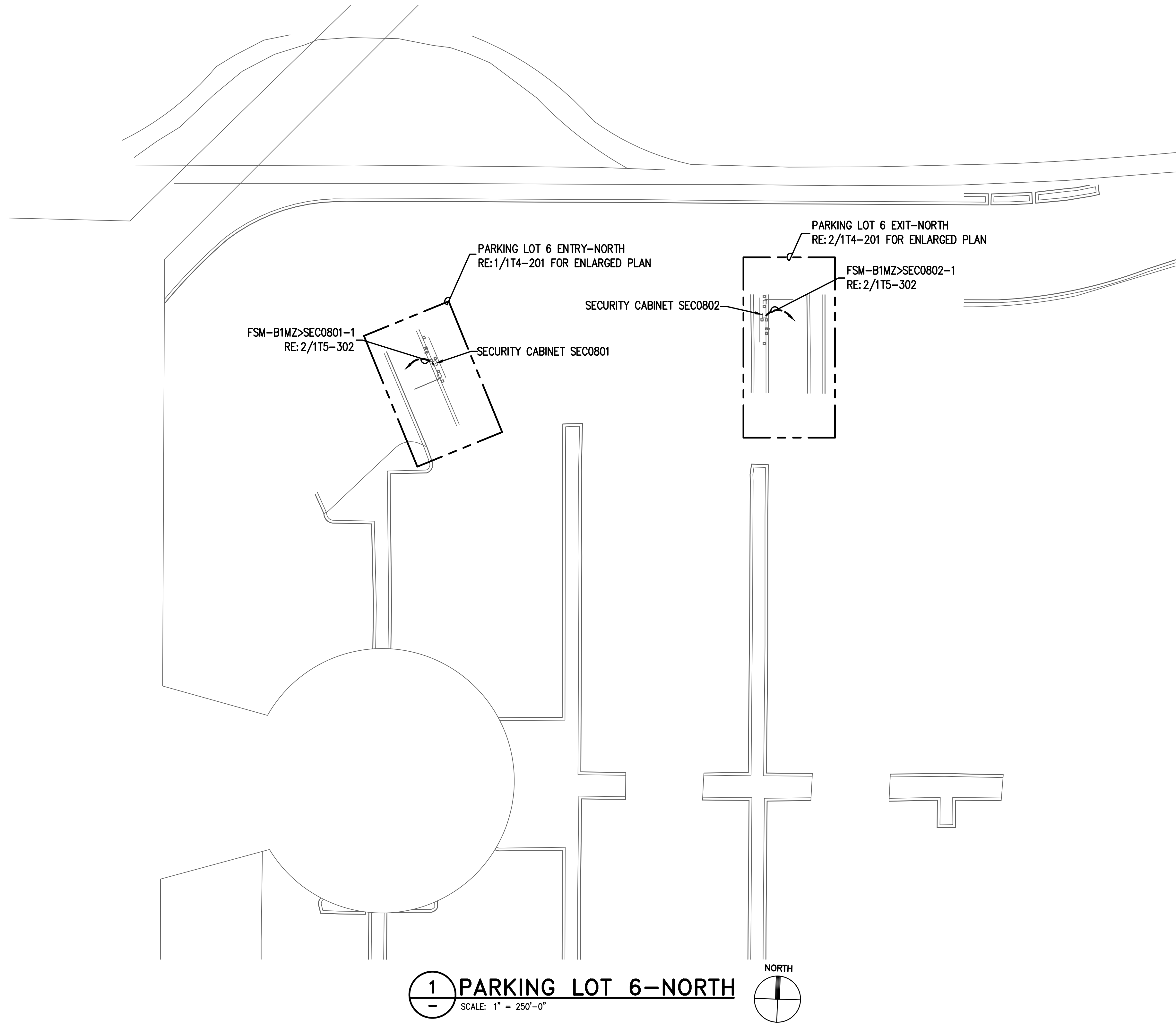
**PROJECT NO.**  
**067810800**

**C.I.P. NO.** \_\_\_\_\_

**H.A.S. NO.**  
**PN HKE-PARCS-2020-003**

**SHEET NO.**  
**1T3-402**





**GENERAL NOTES:**

1. EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
2. REFER TO 1T2-300 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
3. REFER TO 1T2-400 SERIES FOR EQUIPMENT DETAILS.
4. REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION.
5. FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED.
6. REFER TO 3T1 SERIES FOR TYPICAL DETAILS.



**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS



**Kimley-Horn**  
KIMLEY-HORN ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TSPC FIRM REGISTRATION # 528  
WWW.KIMLEY-HORN.COM

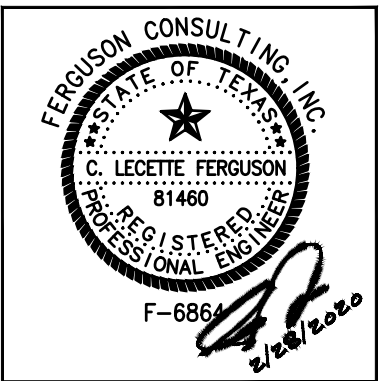


**Ferguson Consulting**  
CONSULTANTS IN DESIGN, PLANNING, AND  
CONSTRUCTION MANAGEMENT  
FERGUSON CONSULTING, INC.  
10000 ROCKWELL AVE., SUITE 100  
HOUSTON, TEXAS 77036  
(281) 260-1525 FAX (281) 770-8544

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
PARKING LOT 6 - NORTH

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

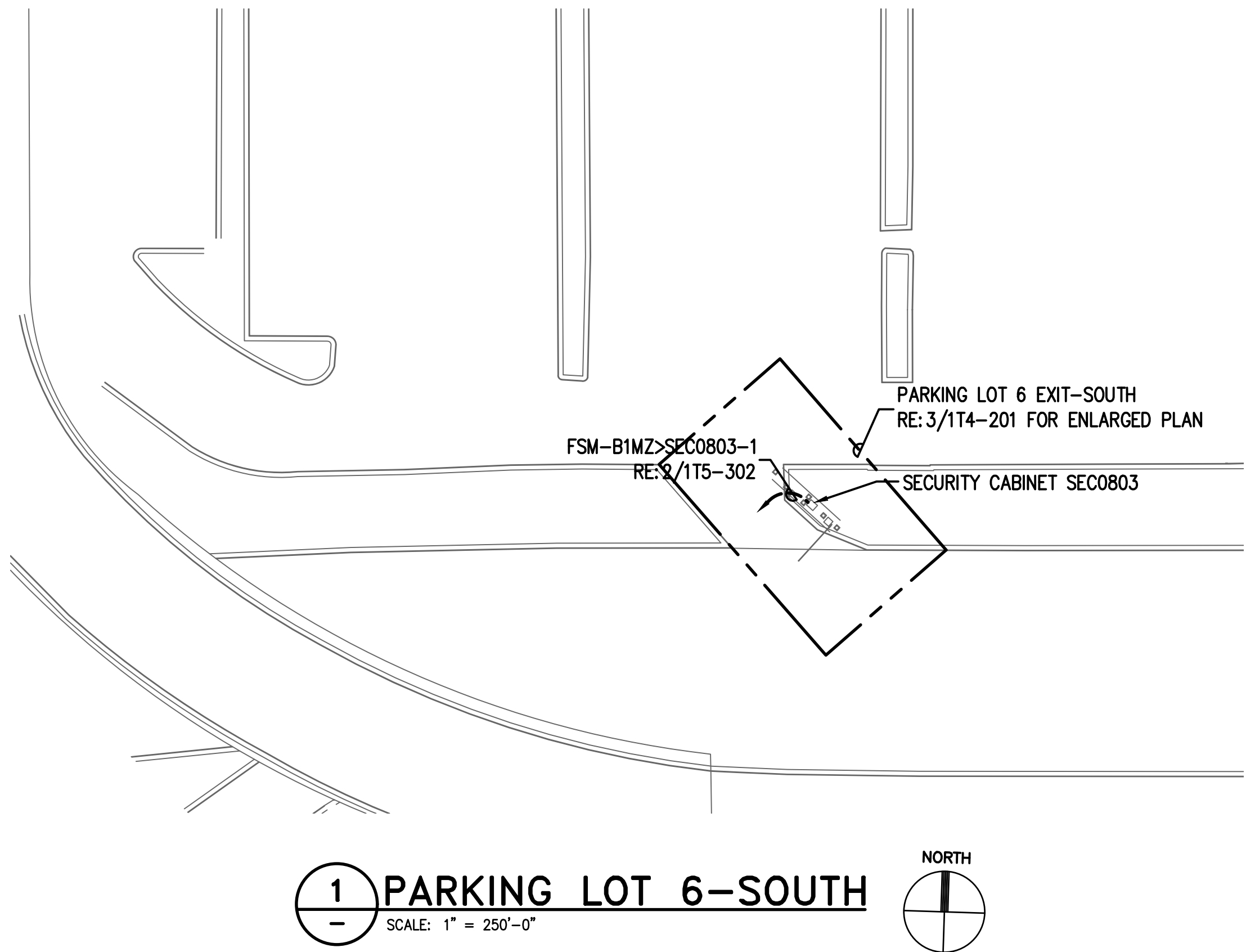
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T4-101





### GENERAL NOTES:

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- REFER TO 1T2-300 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1T2-400 SERIES FOR EQUIPMENT DETAILS.
- REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION.
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- REFER TO 3T1 SERIES FOR TYPICAL DETAILS.

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

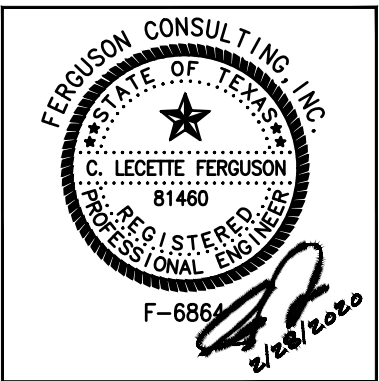
**Kimley-Horn**  
KIMLEY-HORN ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TSPC FIRM REGISTRATION # 628  
WWW.KIMLEY-HORN.COM

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FERGUSON CONSULTING, INC.  
10000 ROCKWELL AVE., SUITE 100  
THE WOODLANDS, TEXAS 77380  
(281) 260-1600 FAX (281) 260-1604

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
PARKING LOT 6 - SOUTH

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

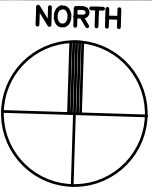
H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T4-102






1 BUS RECIRCULATION LANE (SOUTH)  
SCALE: 1" = 250'-0"




GENERAL NOTES:


- EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
- REFER TO 1T2-300 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1T2-400 SERIES FOR EQUIPMENT DETAILS.
- REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION.
- FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED.
- REFER TO 3T1 SERIES FOR TYPICAL DETAILS.



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS



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THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TSPC FIRM REGISTRATION # 628  
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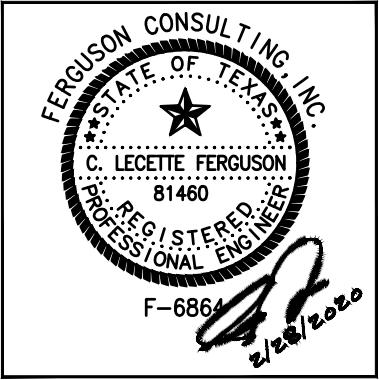


FERGUSON CONSULTING, INC.  
10000 ROCKWELL BLVD., SUITE 100  
HOUSTON, TEXAS 77036  
(281) 260-1600 FAX (281) 260-1604

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
PARKING LOT 6-SITE PLAN

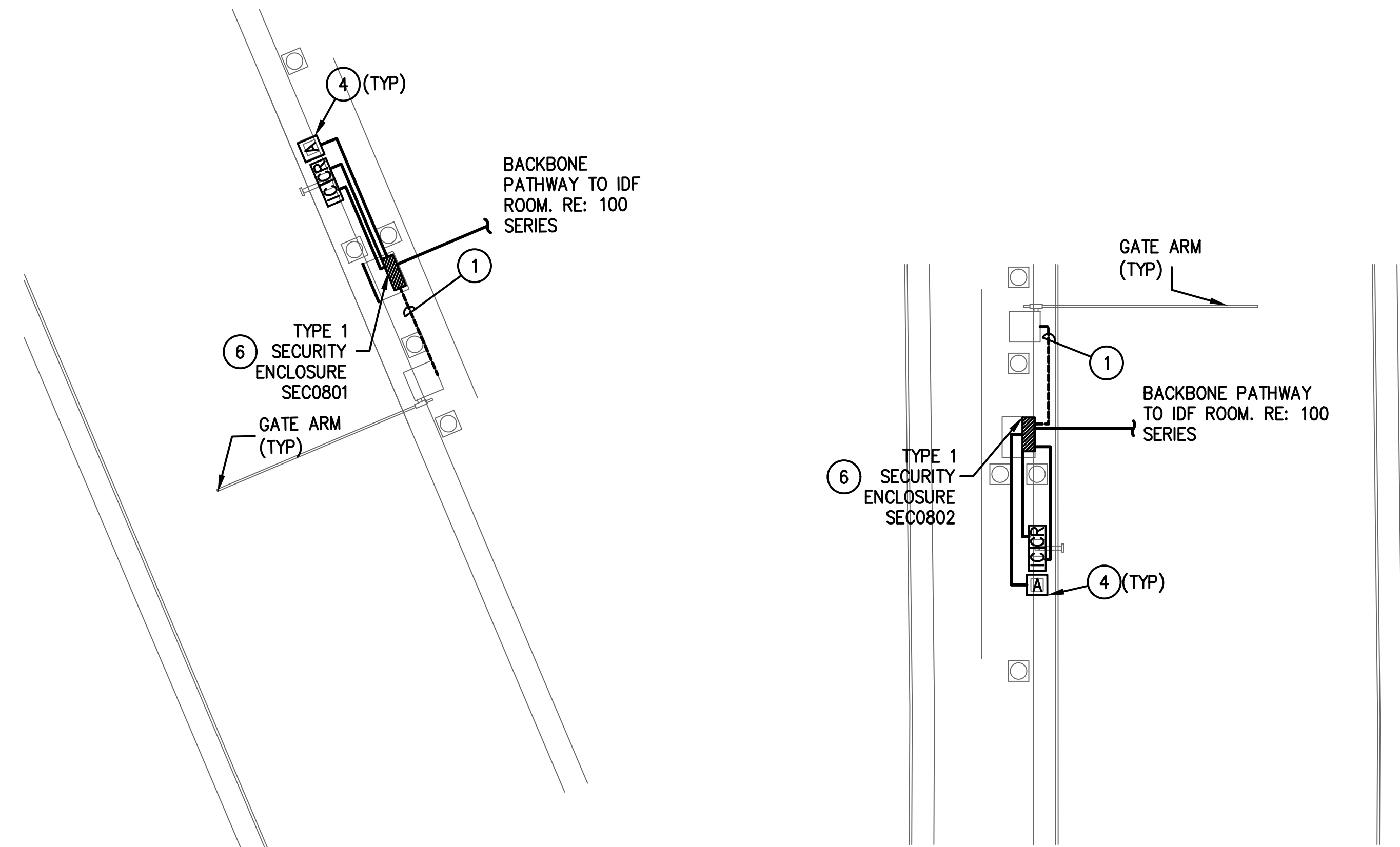
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DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



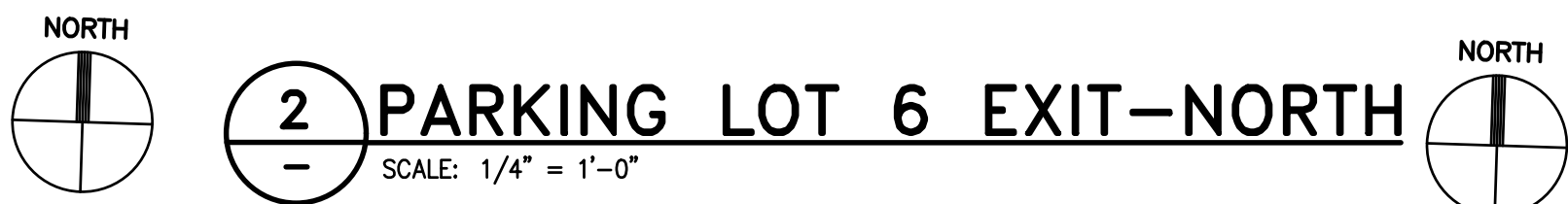
APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. 067810800	
C.I.P. NO.	
H.A.S. NO.	
PN HKE-PARCS-2020-003	
SHEET NO.	

1T4-103

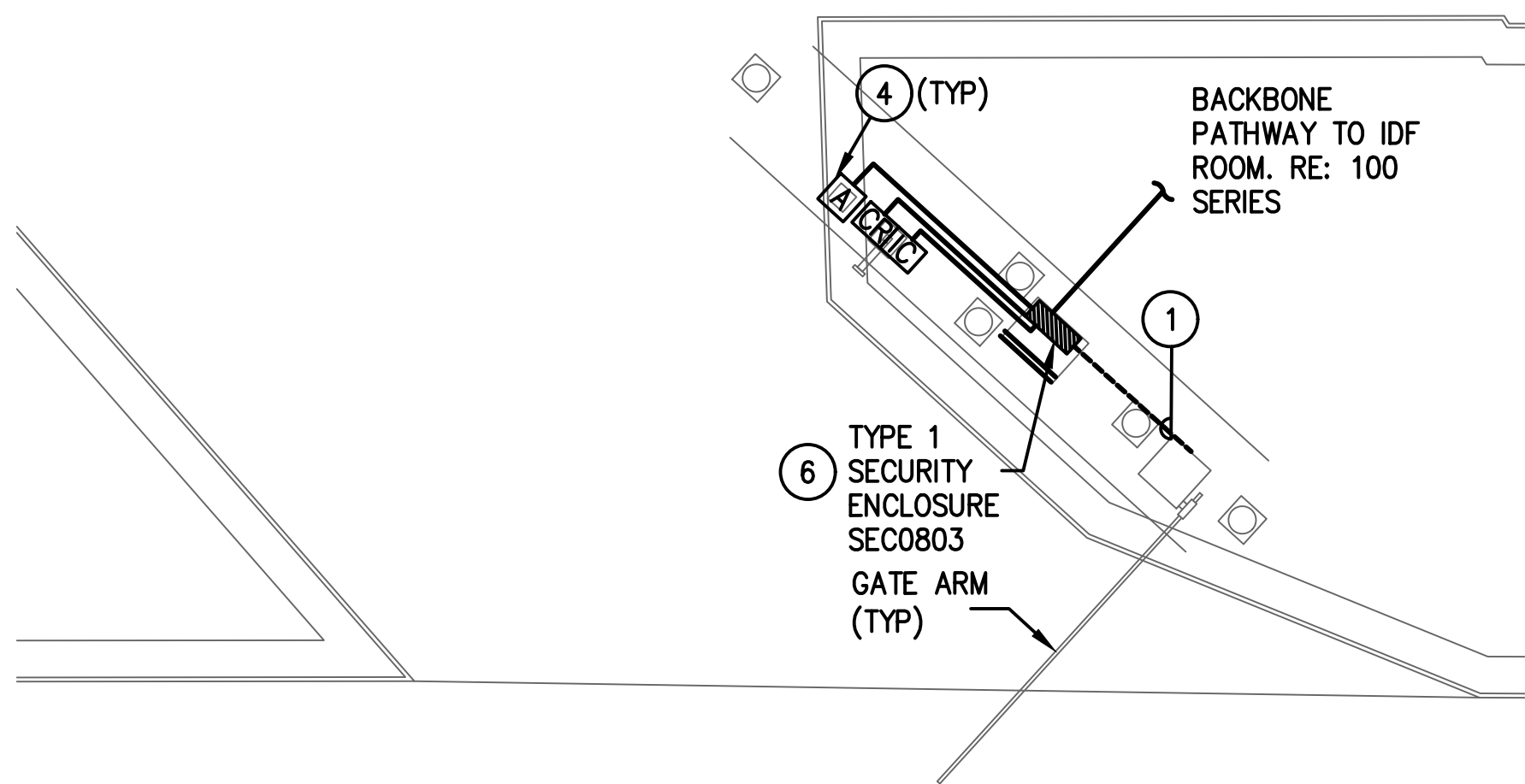




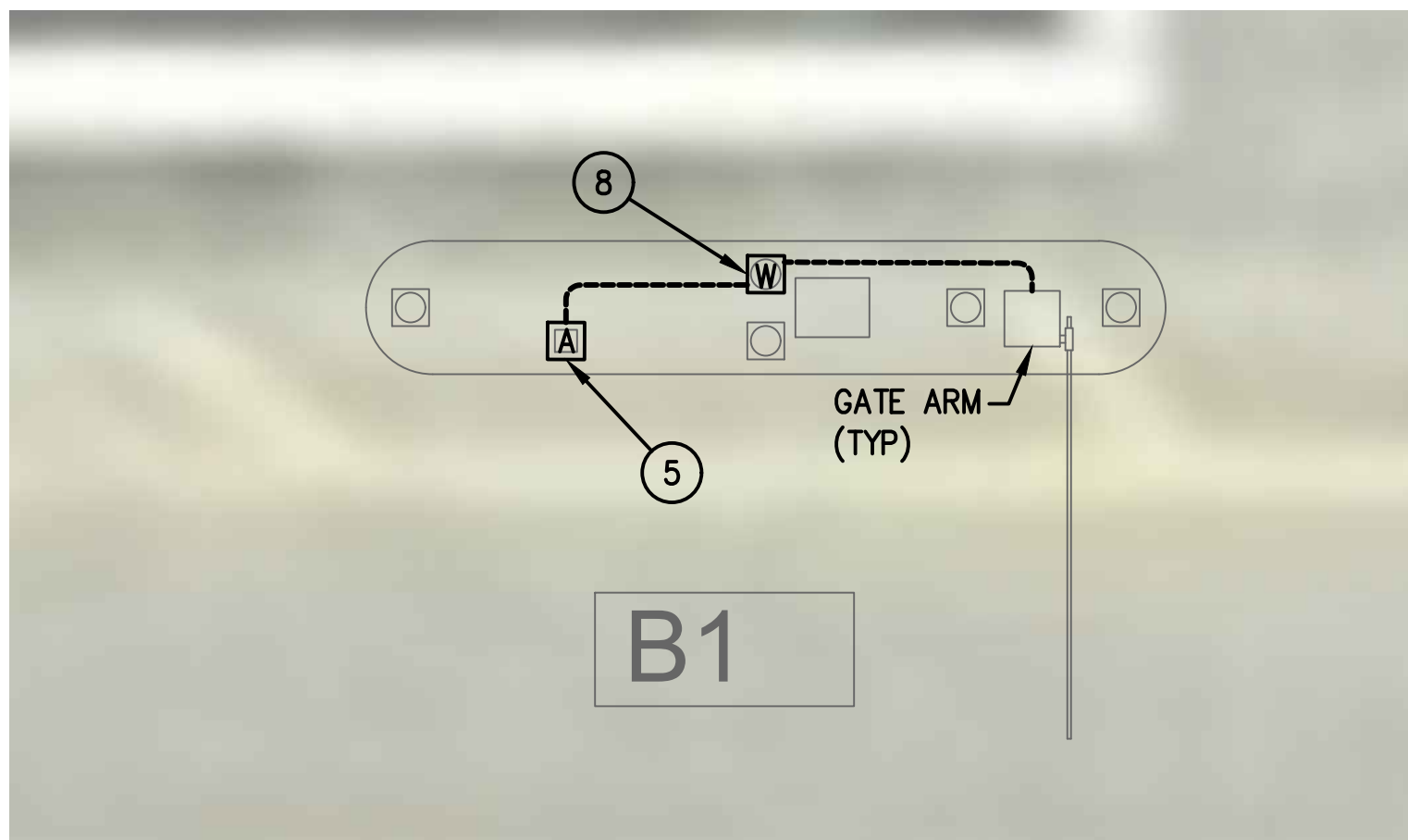
1 PARKING LOT 6 ENTRY-NORTH  
SCALE: 1/4" = 1'-0"



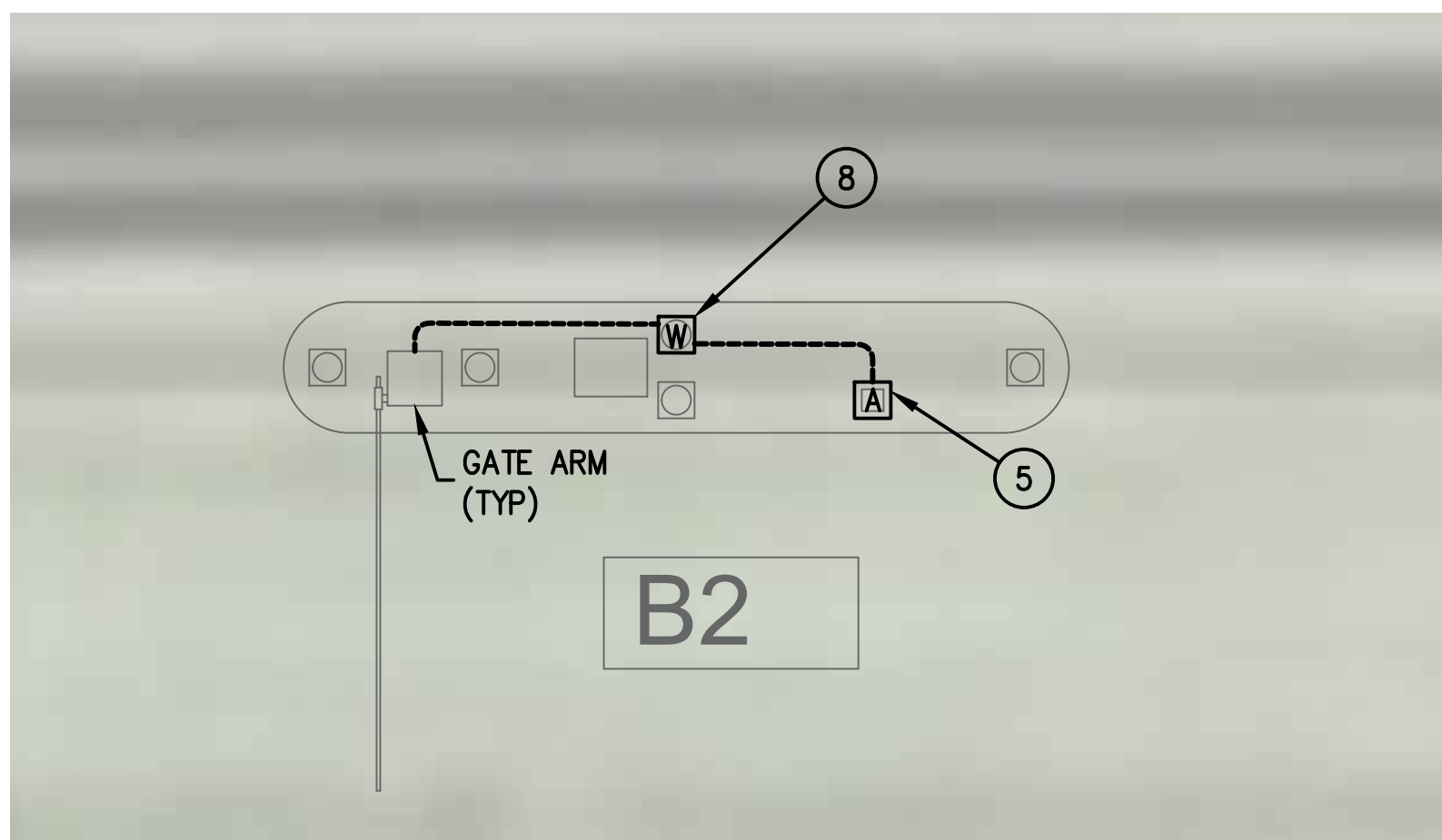
2 PARKING LOT 6 EXIT-NORTH  
SCALE: 1/4" = 1'-0"



3 PARKING LOT 6 EXIT-SOUTH  
SCALE: 1/4" = 1'-0"



4 BUS RECIRCULATION LANE (SOUTH)  
SCALE: 1/4" = 1'-0"



5 BUS RECIRCULATION LANE (NORTH)  
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
- REFER TO 1TX-300 SERIES FOR RISER DIAGRAMS, CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1TX-400 SERIES FOR EQUIPMENT DETAILS. REFER TO OTX-400 FOR TYPICAL EQUIPMENT DETAILS
- REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION
- FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED
- ALL CONDUIT SHALL BE FURNISHED AND INSTALLED UNDER DIV. 26, BUT SHALL FOLLOW DIV. 27 INSTALLATION REQUIREMENTS
- COORDINATE ALL IDF ROOM WORK WITH RESPECTIVE OWNERS IT GROUP. PROVIDE A MINIMUM OF 30 DAYS NOTICE BEFORE WORKING IN ANY EXISTING IDF ROOM. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS TO BE MET BEFORE TURNING ANY NEW IDF ROOM OVER TO RESPECTIVE OWNER

KEYED NOTES:

- UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- STEEL POST FROM GARAGE GRADE TO BOTTOM OF GARAGE CEILING FOR SUPPORT OF CONDUIT. REFER TO ELECTRICAL PLANS.
- MOUNT IN CEILING STRUCTURE.
- MOUNT ON PEDESTAL. REFER TO OT0-402 FOR MOUNTING DETAILS.
- PROVIDE 2-LANE TECHNOLOGY ENCLOSURE. REFER TO OT0-401. REFER TO PLANS FOR ENCLOSURE ID'S.
- PROVIDE SECURITY ENCLOSURE. TYPE 1. REFER TO OT0-402 FOR MOUNTING DETAIL.
- EXISTING WIRELESS ACCESS POINT TO REMAIN.

EXTEND ALL CAT6 NETWORK CABLES TO TECHNOLOGY CABINET FOR TERMINATION. SIZE CONDUIT FOLLOWING TABLE ON OT0-001.

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
PARKING LOT 6-ENLARGED PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

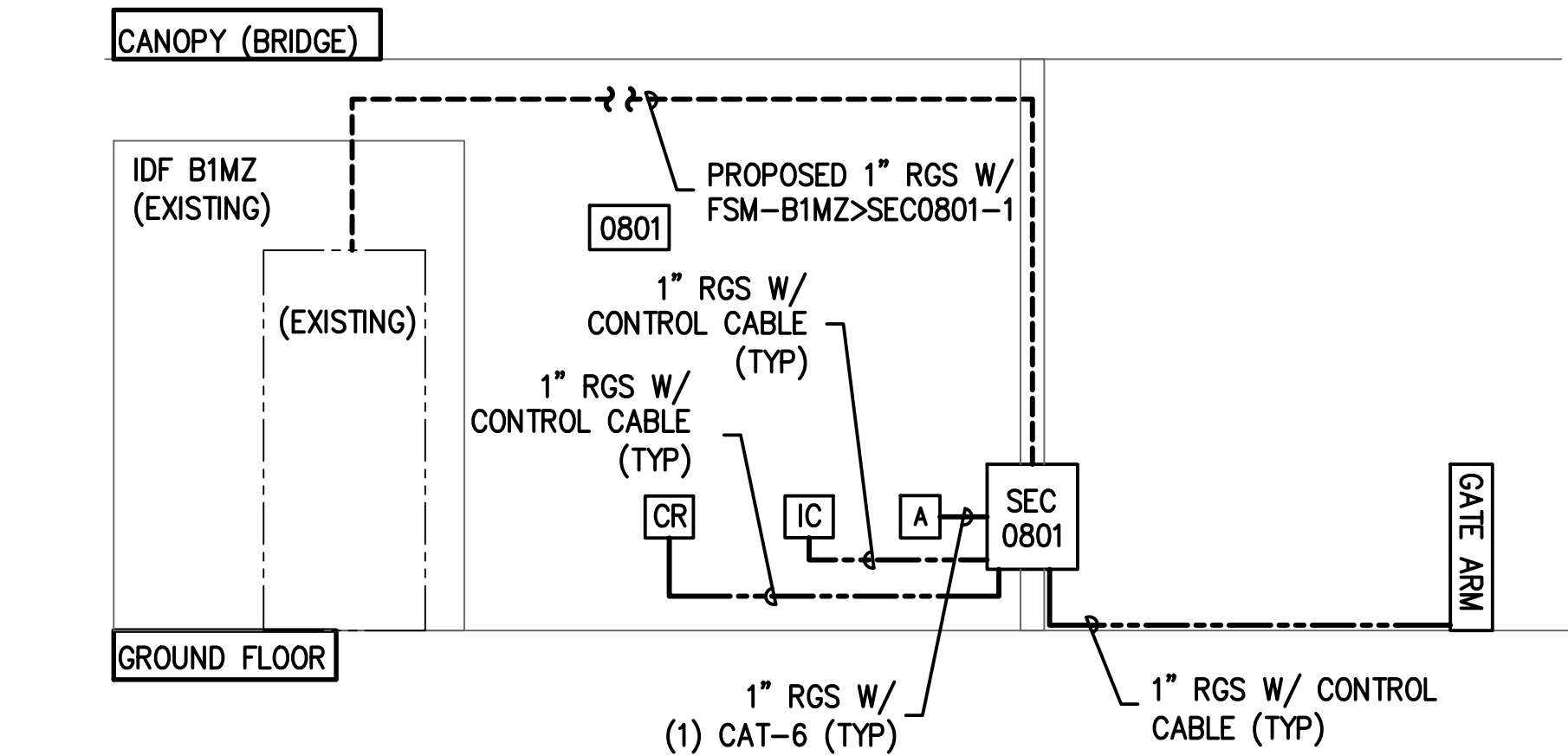
H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T4-201

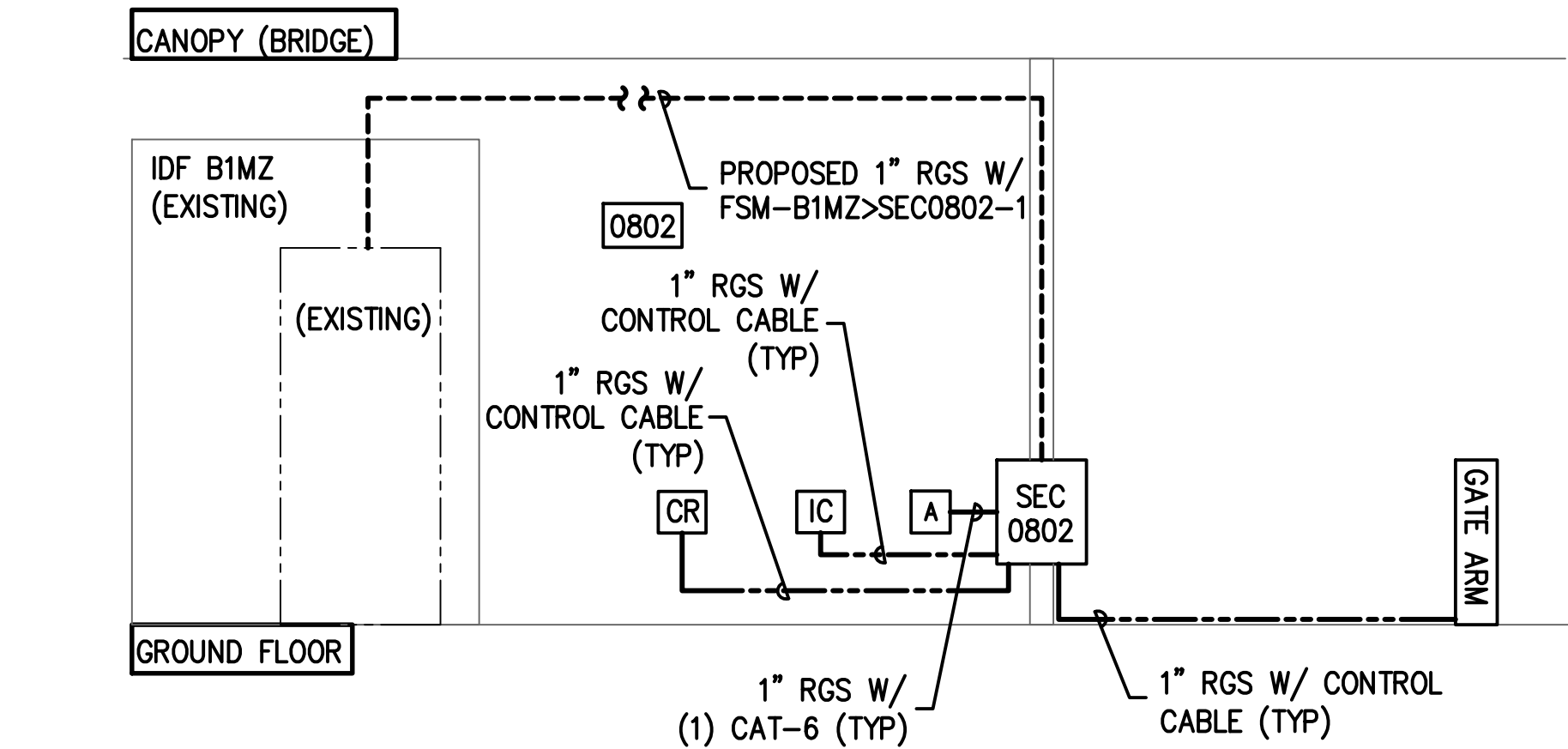


GENERAL NOTES:

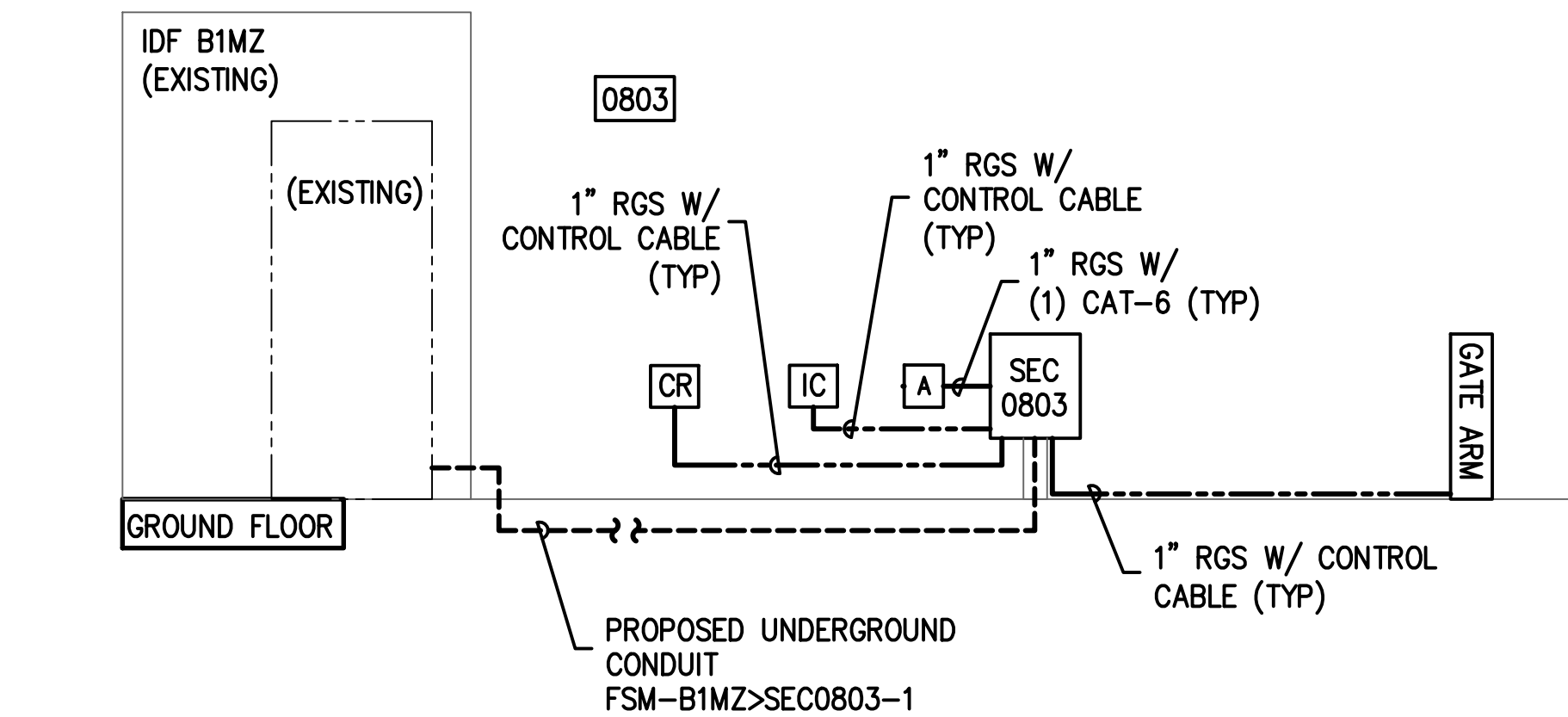
1. CONTRACTOR TO VERIFY CABLE QUANTITIES W/  
MANUFACTURER SPECIFICATIONS



1 PARKING LOT 6 ENTRY NORTH-RISER DIAGRAM  
SCALE: NTS



2 PARKING LOT 6 EXIT NORTH -RISER DIAGRAM  
SCALE: NTS



3 PARKING LOT 6 EXIT SOUTH -RISER DIAGRAM  
SCALE: NTS

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
PARKING LOT 6-RISER DIAGRAMS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.



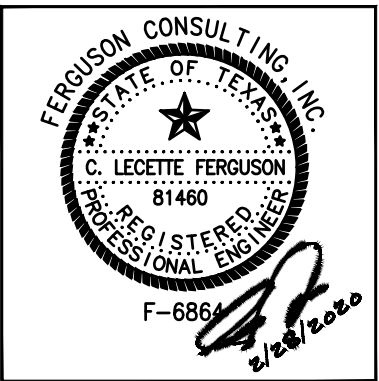




REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
PARKING LOT 6 - DETAILS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



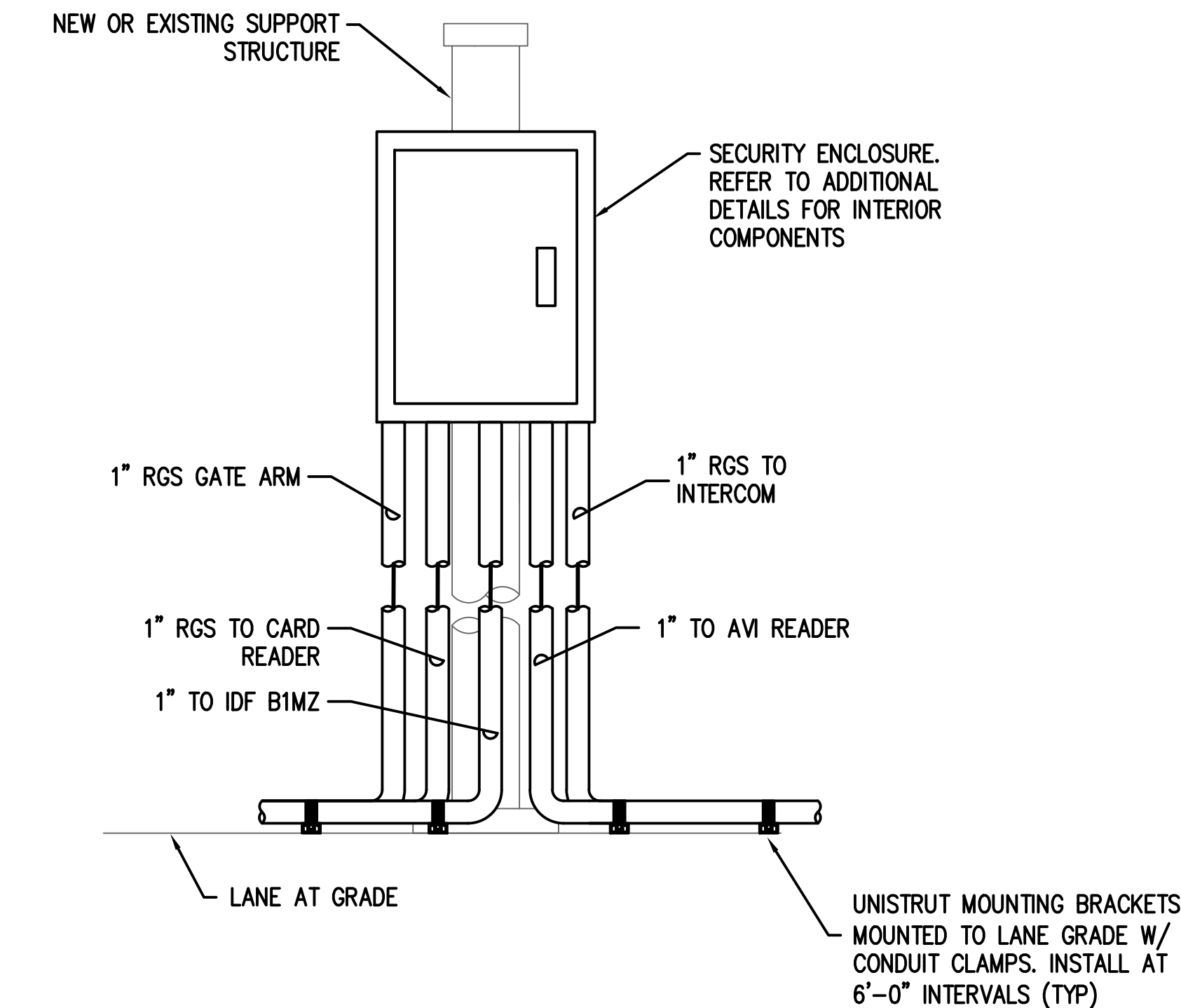
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

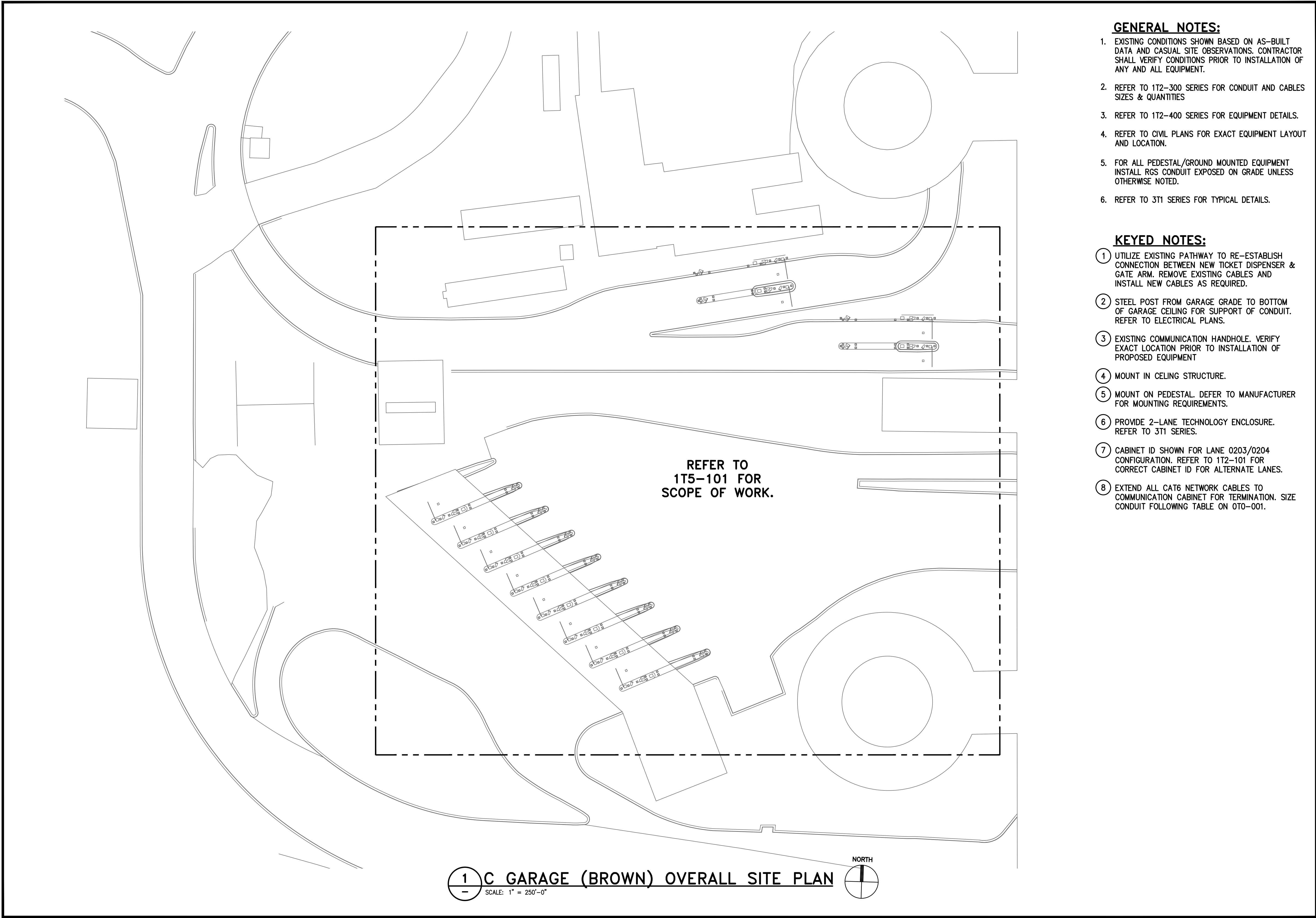
H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T4-401



**1** TECHNOLOGY ENCLOSURE DETAIL  
SCALE: NTS






**GENERAL NOTES:**


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3. REFER TO 1T2-400 SERIES FOR EQUIPMENT DETAILS.
4. REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION.
5. FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED.
6. REFER TO 3T1 SERIES FOR TYPICAL DETAILS.

**KEYED NOTES:**


- 1 UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- 2 STEEL POST FROM GARAGE GRADE TO BOTTOM OF GARAGE CEILING FOR SUPPORT OF CONDUIT. REFER TO ELECTRICAL PLANS.
- 3 EXISTING COMMUNICATION HANDHOLE. VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF PROPOSED EQUIPMENT
- 4 MOUNT IN CELING STRUCTURE.
- 5 MOUNT ON PEDESTAL. DEFER TO MANUFACTURER FOR MOUNTING REQUIREMENTS.
- 6 PROVIDE 2-LANE TECHNOLOGY ENCLOSURE. REFER TO 3T1 SERIES.
- 7 CABINET ID SHOWN FOR LANE 0203/0204 CONFIGURATION. REFER TO 1T2-101 FOR CORRECT CABINET ID FOR ALTERNATE LANES.
- 8 EXTEND ALL CAT6 NETWORK CABLES TO COMMUNICATION CABINET FOR TERMINATION. SIZE CONDUIT FOLLOWING TABLE ON 0T0-001.



**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS



**Kimley-Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TSPC FIRM REGISTRATION # 028  
WWW.KIMLEY-HORN.COM



**Ferguson Consulting**  
CONSULTANTS IN CONSULTING, PLANNING, AND  
ENGINEERING  
FERGUSON CONSULTING, INC.  
10000 ROCKWELL AVE., SUITE 400  
THE WOODLANDS, TEXAS 77380  
(281) 260-1000 FAX (281) 260-1004

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE OVERALL SITE PLAN

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

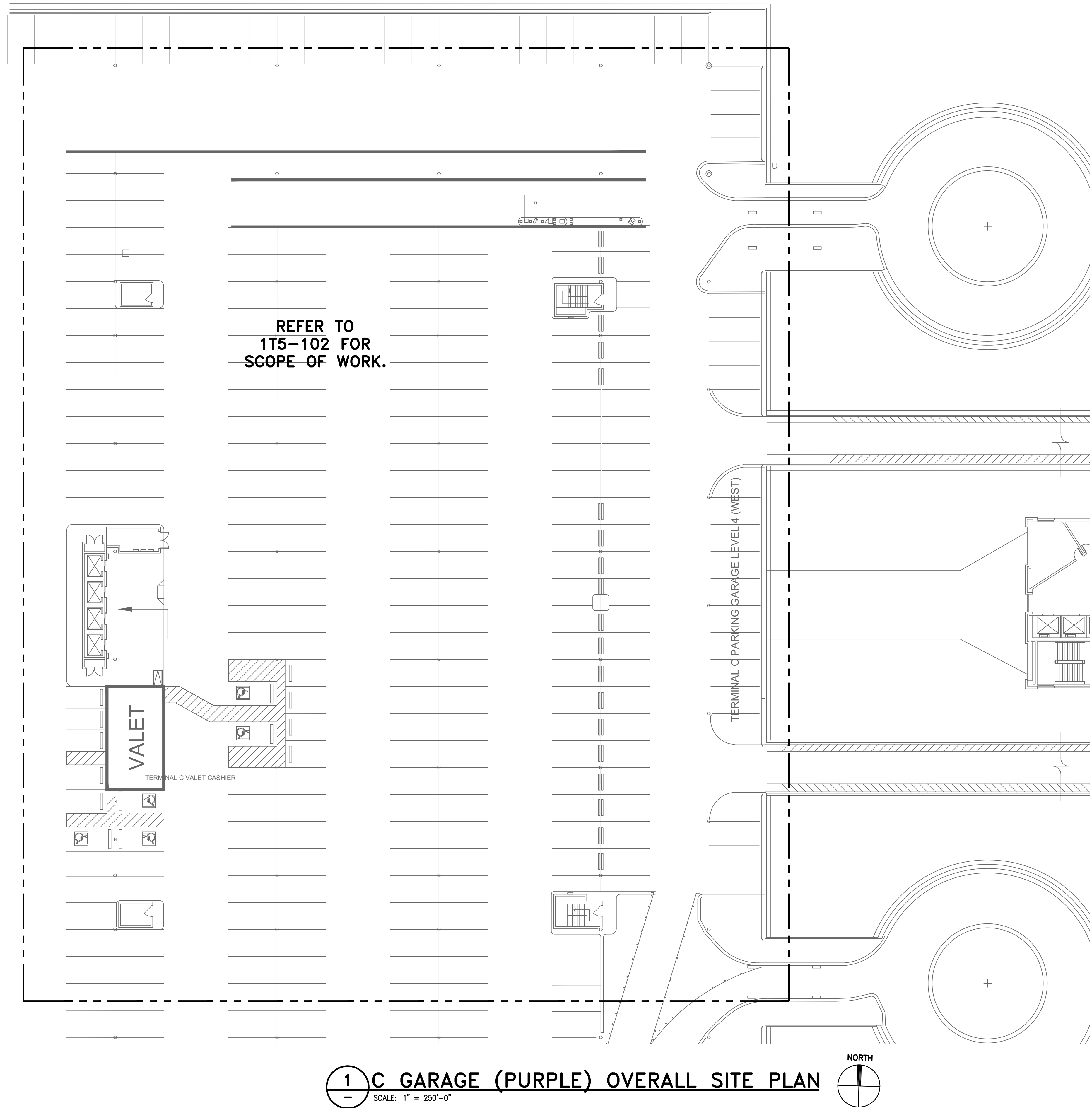
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T5-100A





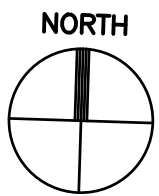
REFER TO  
1T5-102 FOR  
SCOPE OF WORK.

VALET

TERMINAL C VALET CASHIER

TERMINAL C PARKING GARAGE LEVEL 4 (WEST)

1 C GARAGE (PURPLE) OVERALL SITE PLAN  
SCALE: 1" = 250'-0"



GENERAL NOTES:

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- REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION.
- FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED.
- REFER TO 3T1 SERIES FOR TYPICAL DETAILS.

KEYED NOTES:

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- STEEL POST FROM GARAGE GRADE TO BOTTOM OF GARAGE CEILING FOR SUPPORT OF CONDUIT. REFER TO ELECTRICAL PLANS.
- EXISTING COMMUNICATION HANDHOLE. VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF PROPOSED EQUIPMENT
- MOUNT IN CELING STRUCTURE.
- MOUNT ON PEDESTAL. DEFER TO MANUFACTURER FOR MOUNTING REQUIREMENTS.
- PROVIDE 2-LANE TECHNOLOGY ENCLOSURE. REFER TO 3T1 SERIES.
- CABINET ID SHOWN FOR LANE 0203/0204 CONFIGURATION. REFER TO 1T2-101 FOR CORRECT CABINET ID FOR ALTERNATE LANES.
- EXTEND ALL CAT6 NETWORK CABLES TO COMMUNICATION CABINET FOR TERMINATION. SIZE CONDUIT FOLLOWING TABLE ON 0T0-001.

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
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TSPC FIRM REGISTRATION # 029  
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**Ferguson Consulting**  
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ENVIRONMENTAL SCIENCE  
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HOUSTON, TEXAS 77036  
(281) 260-1000 FAX (281) 260-1004

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE OVERALL SITE PLAN

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

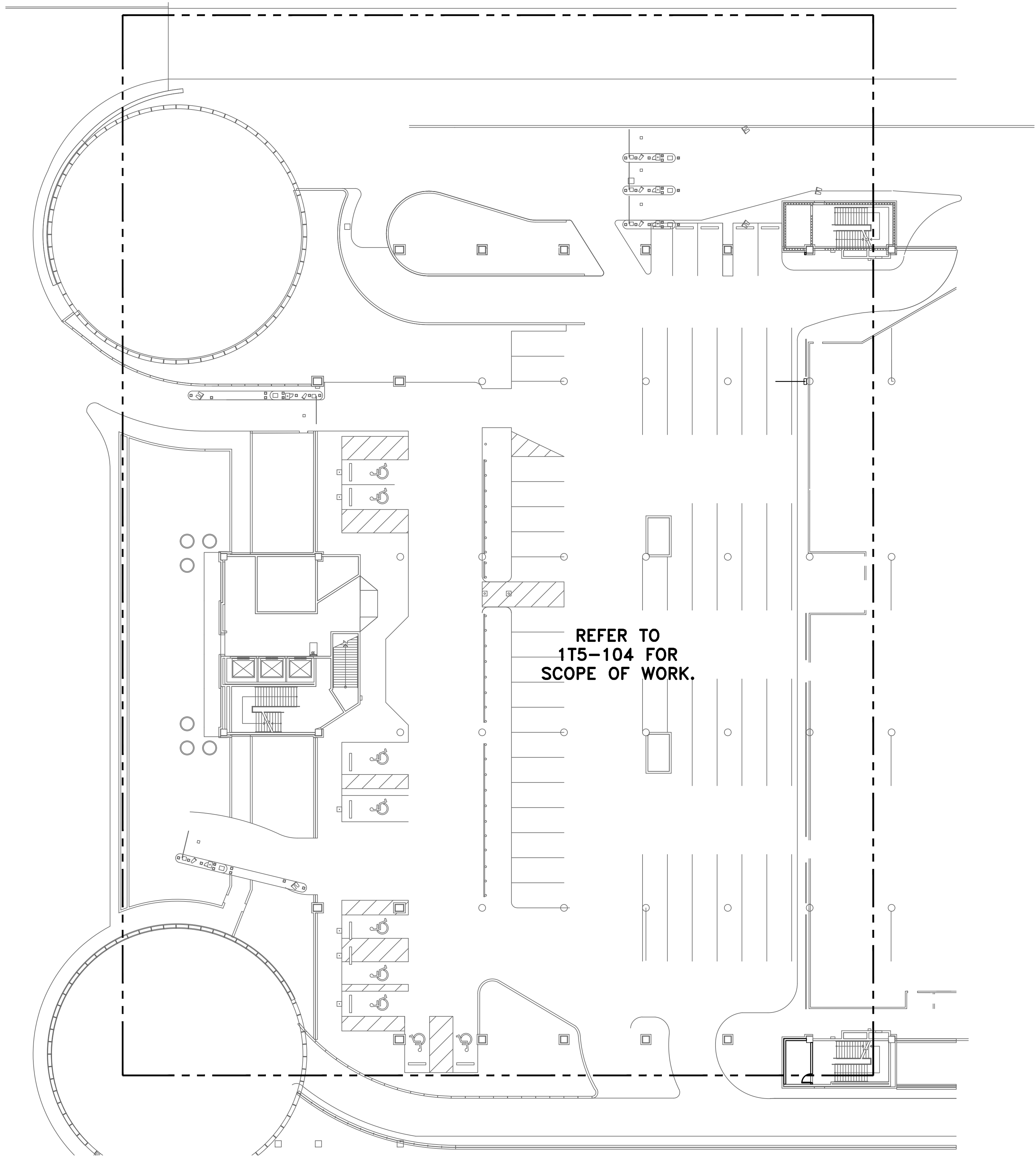
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.

1T5-100B

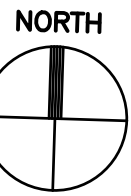




1  
—

C GARAGE LEVEL 2 (PURPLE) OVERALL SITE PLAN

SCALE: 1" = 250'-0"



GENERAL NOTES:

1. EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
2. REFER TO 1T2-300 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
3. REFER TO 1T2-400 SERIES FOR EQUIPMENT DETAILS.
4. REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION.
5. FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED.
6. REFER TO 3T1 SERIES FOR TYPICAL DETAILS.

KEYED NOTES:

- ① UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- ② STEEL POST FROM GARAGE GRADE TO BOTTOM OF GARAGE CEILING FOR SUPPORT OF CONDUIT. REFER TO ELECTRICAL PLANS.
- ③ EXISTING COMMUNICATION HANDHOLE. VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF PROPOSED EQUIPMENT
- ④ MOUNT IN CELING STRUCTURE.
- ⑤ MOUNT ON PEDESTAL. DEFER TO MANUFACTURER FOR MOUNTING REQUIREMENTS.
- ⑥ PROVIDE 2-LANE TECHNOLOGY ENCLOSURE. REFER TO 3T1 SERIES.
- ⑦ CABINET ID SHOWN FOR LANE 0203/0204 CONFIGURATION. REFER TO 1T2-101 FOR CORRECT CABINET ID FOR ALTERNATE LANES.
- ⑧ EXTEND ALL CAT6 NETWORK CABLES TO COMMUNICATION CABINET FOR TERMINATION. SIZE CONDUIT FOLLOWING TABLE ON 0T0-001.

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

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**Ferguson Consulting**  
CONSULTING IN CONSULTING, QUALITY AND  
INNOVATION IN CONSULTING  
FERGUSON CONSULTING, INC.  
10000 ROCKWELL AVE., SUITE 100  
HOUSTON, TEXAS 77036  
(281) 260-1000 FAX (281) 260-1004

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE OVERALL SITE PLAN

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

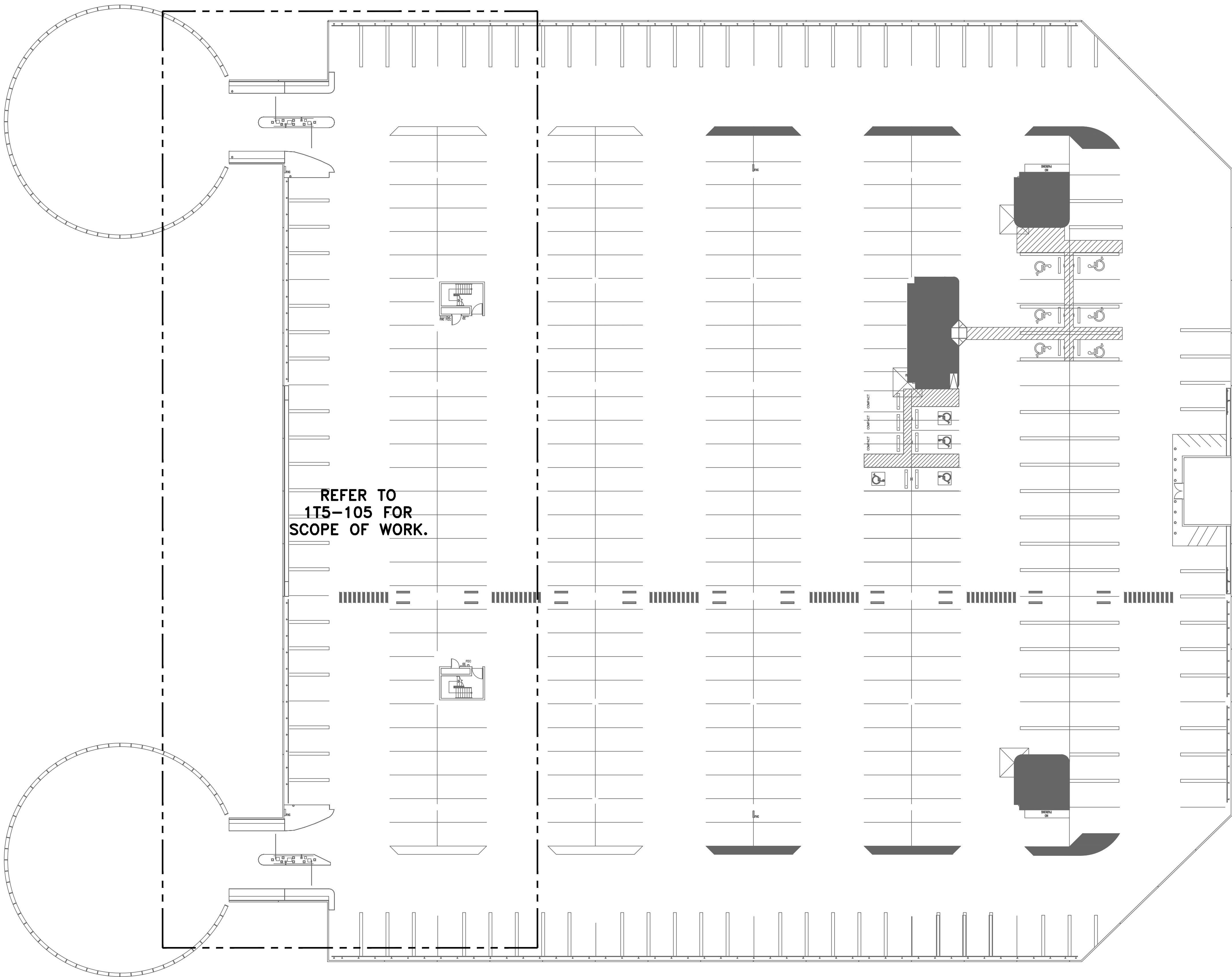
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

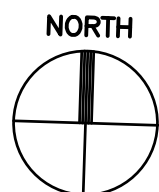
H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T5-100C





1 C GARAGE LEVEL 2 OVERALL SITE PLAN  
SCALE: 1" = 250'-0"



### GENERAL NOTES:

- EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
- REFER TO 1T2-300 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1T2-400 SERIES FOR EQUIPMENT DETAILS.
- REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION.
- FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED.
- REFER TO 3T1 SERIES FOR TYPICAL DETAILS.

### KEYED NOTES:

- UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- STEEL POST FROM GARAGE GRADE TO BOTTOM OF GARAGE CEILING FOR SUPPORT OF CONDUIT. REFER TO ELECTRICAL PLANS.
- EXISTING COMMUNICATION HANDHOLE. VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF PROPOSED EQUIPMENT
- MOUNT IN CELING STRUCTURE.
- MOUNT ON PEDESTAL. DEFER TO MANUFACTURER FOR MOUNTING REQUIREMENTS.
- PROVIDE 2-LANE TECHNOLOGY ENCLOSURE. REFER TO 3T1 SERIES.
- CABINET ID SHOWN FOR LANE 0203/0204 CONFIGURATION. REFER TO 1T2-101 FOR CORRECT CABINET ID FOR ALTERNATE LANES.
- EXTEND ALL CAT6 NETWORK CABLES TO COMMUNICATION CABINET FOR TERMINATION. SIZE CONDUIT FOLLOWING TABLE ON 0T0-001.

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

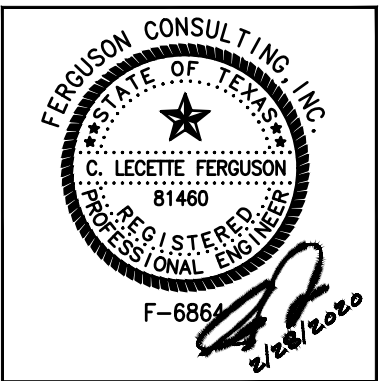
**Kimley-Horn**  
KIMLEY-HORN ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TSPC FIRM REGISTRATION # 029  
WWW.KIMLEY-HORN.COM

**Ferguson Consulting**  
FERGUSON CONSULTING, INC.  
10000 ROCKWELL AVE., SUITE 400  
THE WOODLANDS, TEXAS 77380  
(281) 260-1022 FAX (281) 260-1024

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE OVERALL SITE PLAN

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

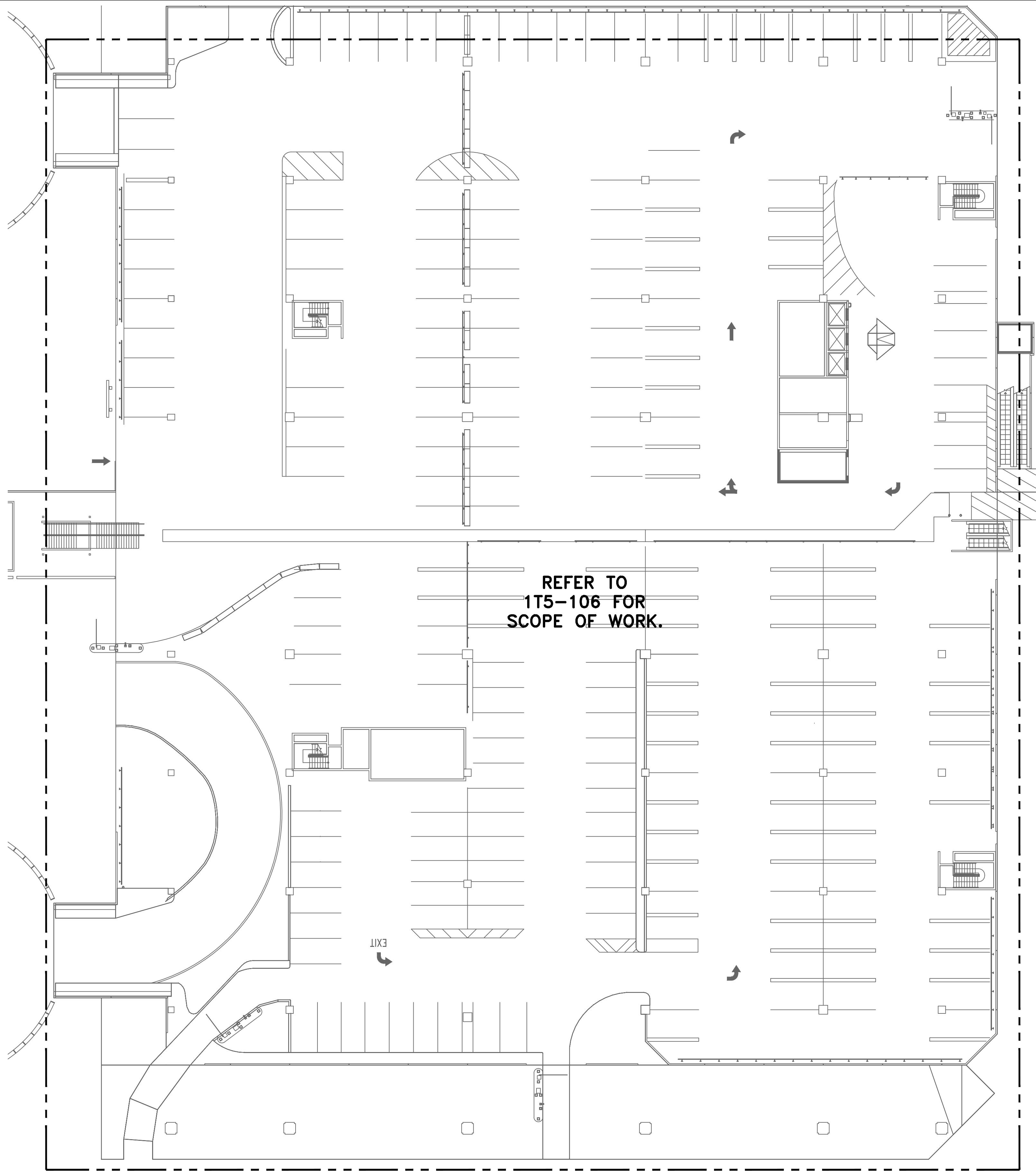
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.

1T5-100D





**1** C GARAGE EXECUTIVE ENTRANCE/EXIT OVERALL SITE PLAN  
SCALE: 1" = 250'-0"  
NORTH

**GENERAL NOTES:**

1. EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
2. REFER TO 1T2-300 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
3. REFER TO 1T2-400 SERIES FOR EQUIPMENT DETAILS.
4. REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION.
5. FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED.
6. REFER TO 3T1 SERIES FOR TYPICAL DETAILS.

**KEYED NOTES:**

1. UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
2. STEEL POST FROM GARAGE GRADE TO BOTTOM OF GARAGE CEILING FOR SUPPORT OF CONDUIT. REFER TO ELECTRICAL PLANS.
3. EXISTING COMMUNICATION HANDHOLE. VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF PROPOSED EQUIPMENT
4. MOUNT IN CELING STRUCTURE.
5. MOUNT ON PEDESTAL. DEFER TO MANUFACTURER FOR MOUNTING REQUIREMENTS.
6. PROVIDE 2-LANE TECHNOLOGY ENCLOSURE. REFER TO 3T1 SERIES.
7. CABINET ID SHOWN FOR LANE 0203/0204 CONFIGURATION. REFER TO 1T2-101 FOR CORRECT CABINET ID FOR ALTERNATE LANES.
8. EXTEND ALL CAT6 NETWORK CABLES TO COMMUNICATION CABINET FOR TERMINATION. SIZE CONDUIT FOLLOWING TABLE ON 0T0-001.

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

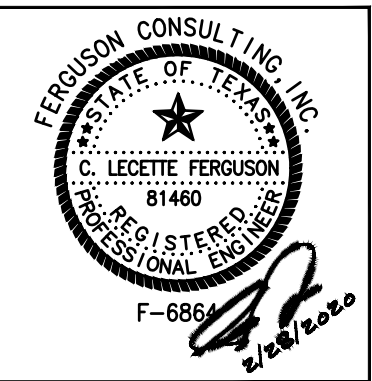
**Kimley-Horn**  
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THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TSPC FIRM REGISTRATION # 028  
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**Ferguson Consulting**  
CONSULTING ENGINEERS  
10000 ROCKWELL AVE., SUITE 400  
HOUSTON, TEXAS 77066  
(281) 260-1000 FAX (281) 260-1004

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE OVERALL SITE PLAN

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

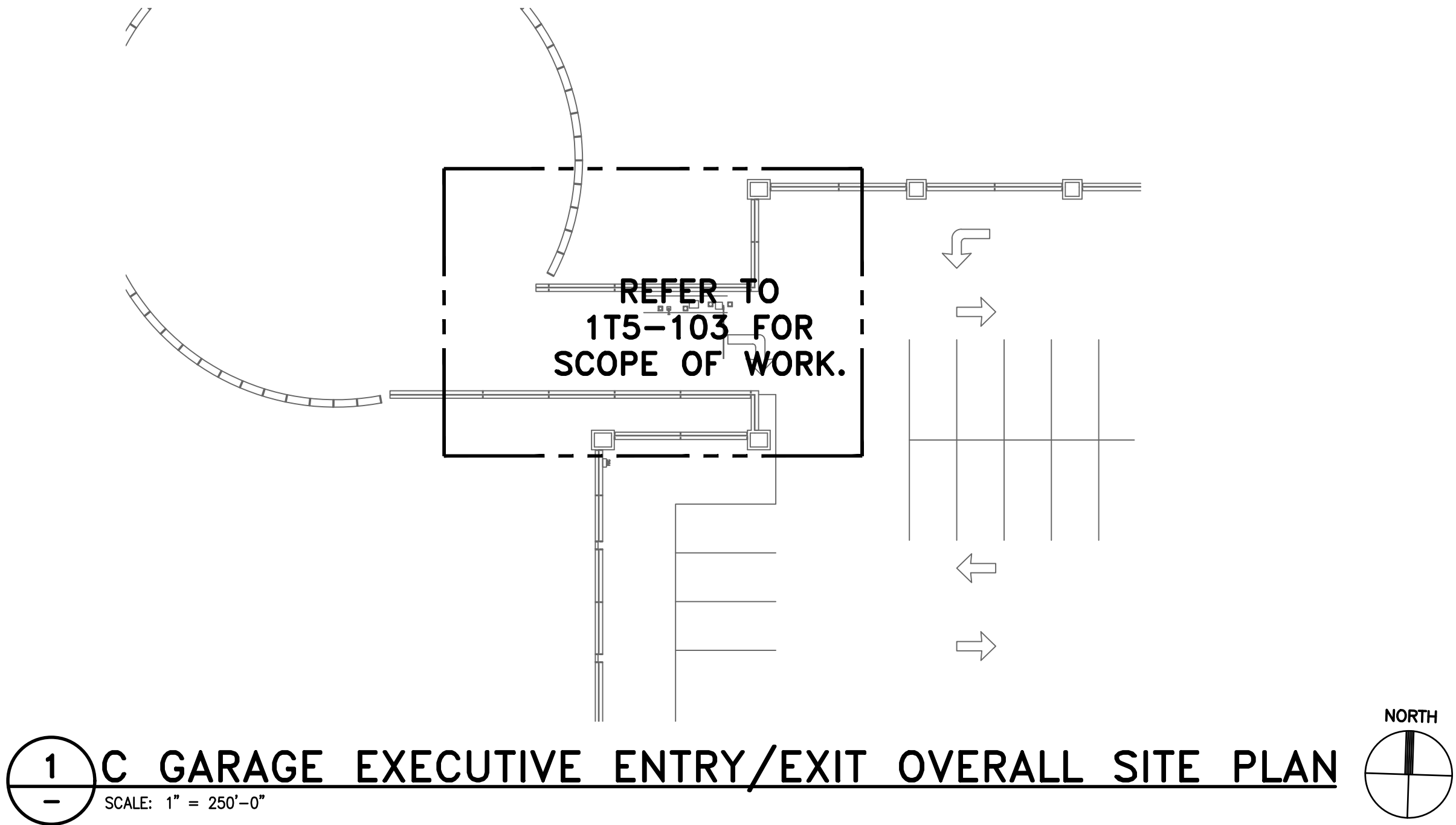
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

**1T5-100E**






**GENERAL NOTES:**


1. EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
2. REFER TO 1T2-300 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
3. REFER TO 1T2-400 SERIES FOR EQUIPMENT DETAILS.
4. REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION.
5. FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED.
6. REFER TO 3T1 SERIES FOR TYPICAL DETAILS.

**KEYED NOTES:**


- ① UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- ② STEEL POST FROM GARAGE GRADE TO BOTTOM OF GARAGE CEILING FOR SUPPORT OF CONDUIT. REFER TO ELECTRICAL PLANS.
- ③ EXISTING COMMUNICATION HANDHOLE. VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF PROPOSED EQUIPMENT
- ④ MOUNT IN CELING STRUCTURE.
- ⑤ MOUNT ON PEDESTAL. DEFER TO MANUFACTURER FOR MOUNTING REQUIREMENTS.
- ⑥ PROVIDE 2-LANE TECHNOLOGY ENCLOSURE. REFER TO 3T1 SERIES.
- ⑦ CABINET ID SHOWN FOR LANE 0203/0204 CONFIGURATION. REFER TO 1T2-101 FOR CORRECT CABINET ID FOR ALTERNATE LANES.
- ⑧ EXTEND ALL CAT6 NETWORK CABLES TO COMMUNICATION CABINET FOR TERMINATION. SIZE CONDUIT FOLLOWING TABLE ON 0T0-001.



**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS



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TSPC FIRM REGISTRATION # 628  
WWW.KIMLEY-HORN.COM



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(281) 260-1000 FAX (281) 260-1004

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE OVERALL SITE PLAN

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T5-100F



REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE - LEVEL 1

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

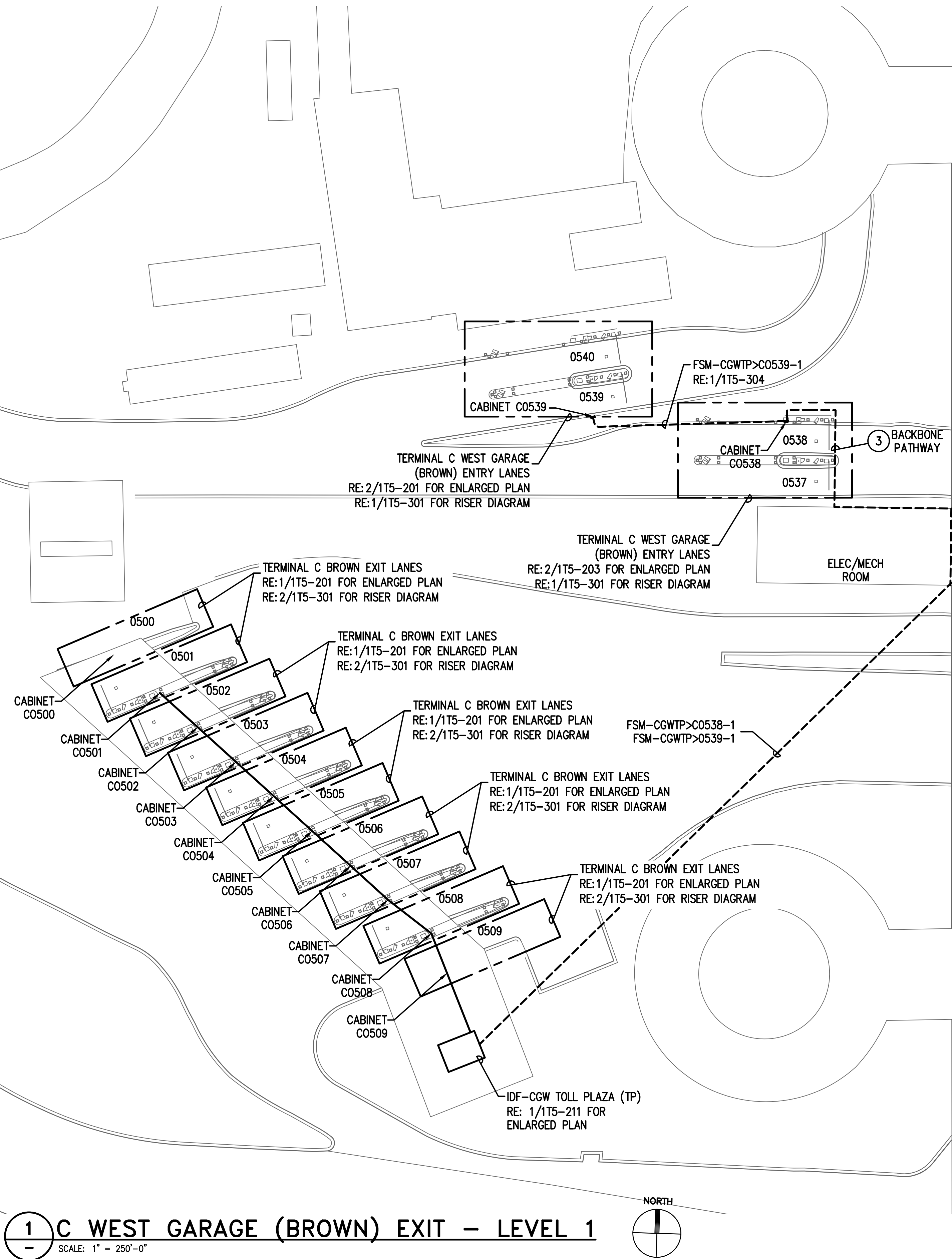
1T5-101

**GENERAL NOTES:**

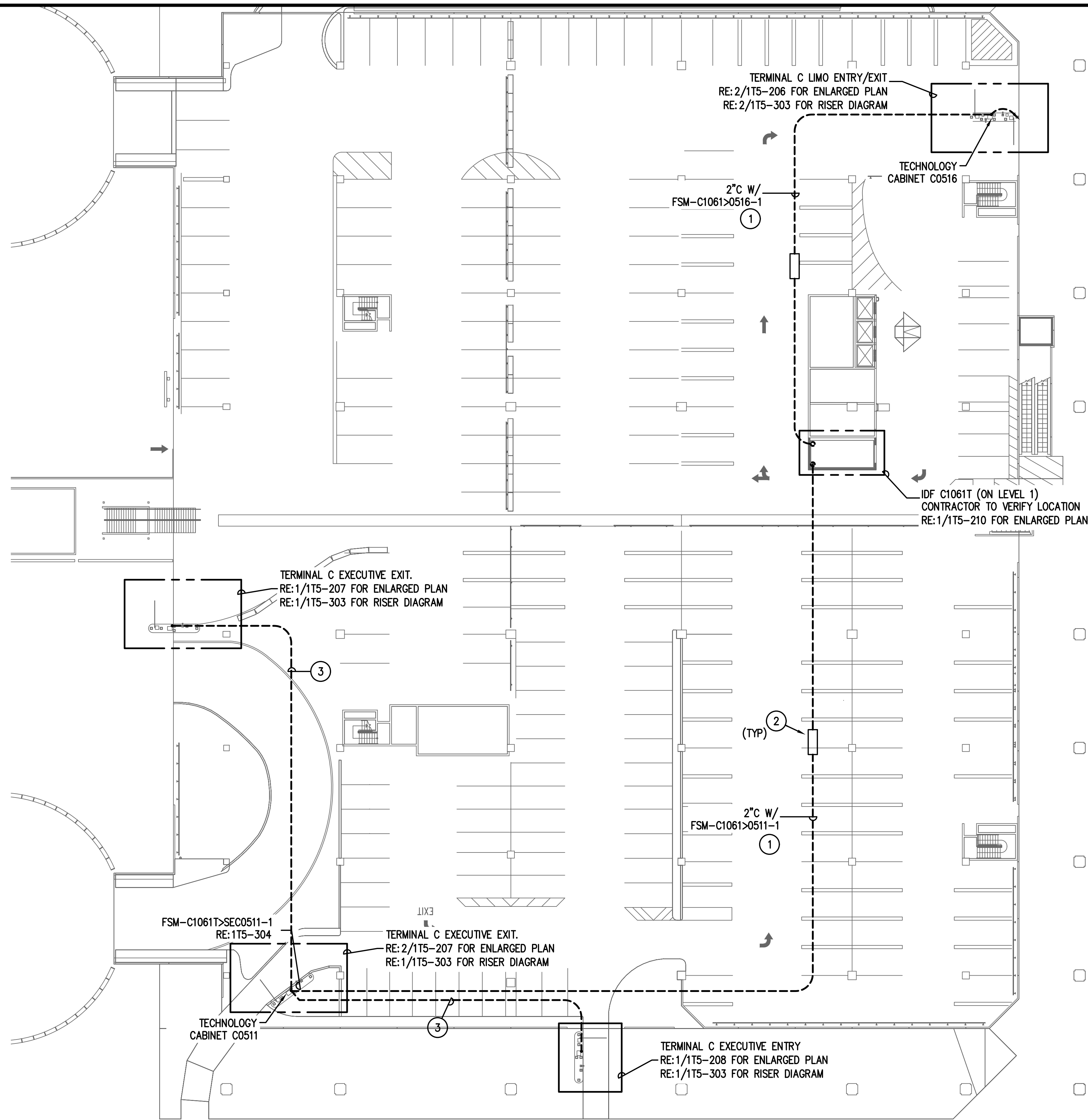
- FIELD COORDINATE ALL CONDUIT PATHWAYS WITH EXISTING STRUCTURE AND UTILITIES. WHERE CONDUIT IS RUN OVERHEAD ROUTE CONDUIT AS HIGH AS POSSIBLE. CONTRACTOR HAS THE OPTION TO UTILIZE EXISTING PATHWAYS WHERE AVAILABLE
- FOLLOW HOUSTON AIRPORT SYSTEM (HAS) TELECOM STANDARDS AND PRACTICES
- EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
- PROPOSED EQUIPMENT LOCATIONS ARE CONCEPTUAL. INSTALL EQUIPMENT AS SITE CONDITIONS REQUIRE AND AS APPROVED BY OWNER
- REFER TO 1TX-200 DRAWING SERIES FOR ENLARGED LANE PLANS

**KEYED NOTES:**

- PROPOSED BACKBONE CONDUIT PATHWAY. REFER TO PLAN NOTED FOR CONDUIT AND CABLE DETAILS.
- INSTALL NEW FIBER CABLE IN EXISTING UNDERGROUND PATHWAY.
- EXTEND FIBER IN NEW PATHWAY THRU MECH ROOM, STUB OUT BUILDING AND ROUTE UNDERGROUND TO OVERHEAD STRUCTURE. ROUTE UP AND OVER STRUCTURE TO TECHNOLOGY CABINET.







**GENERAL NOTES:**

1. FIELD COORDINATE ALL CONDUIT PATHWAYS WITH EXISTING STRUCTURE AND UTILITIES. WHERE CONDUIT IS RUN OVERHEAD ROUTE CONDUIT AS HIGH AS POSSIBLE. CONTRACTOR HAS THE OPTION TO UTILIZE EXISTING PATHWAYS WHERE AVAILABLE
2. FOLLOW HOUSTON AIRPORT SYSTEM (HAS) TELECOM STANDARDS AND PRACTICES
3. EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
4. PROPOSED EQUIPMENT LOCATIONS ARE CONCEPTUAL. INSTALL EQUIPMENT AS SITE CONDITIONS REQUIRE AND AS APPROVED BY OWNER
5. REFER TO 1TX-200 DRAWING SERIES FOR ENLARGED LANE PLANS

**KEYED NOTES:**

- ① PROPOSED BACKBONE CONDUIT PATHWAY. REFER TO PLAN NOTED FOR CONDUIT AND CABLE DETAILS.
- ② INSTALL NEW FIBER CABLE IN EXISTING UNDERGROUND PATHWAY.
- ③ EXTEND ALL CAT6 CABLES IN 1.5\"/>

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

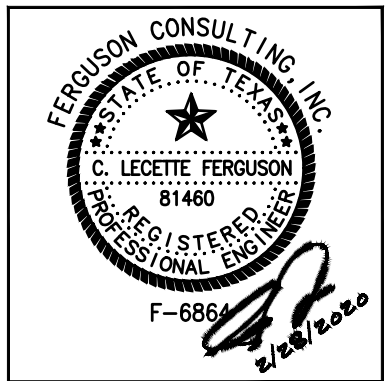
**Kimley-Horn**  
KIMLEY-HORN ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
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**Ferguson Consulting**  
CONSULTING ENGINEERS  
10000 ROCKWELL AVE., SUITE 400  
HOUSTON, TEXAS 77036  
(281) 260-1000 FAX (281) 260-1004

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE - LEVEL 1

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T5-102

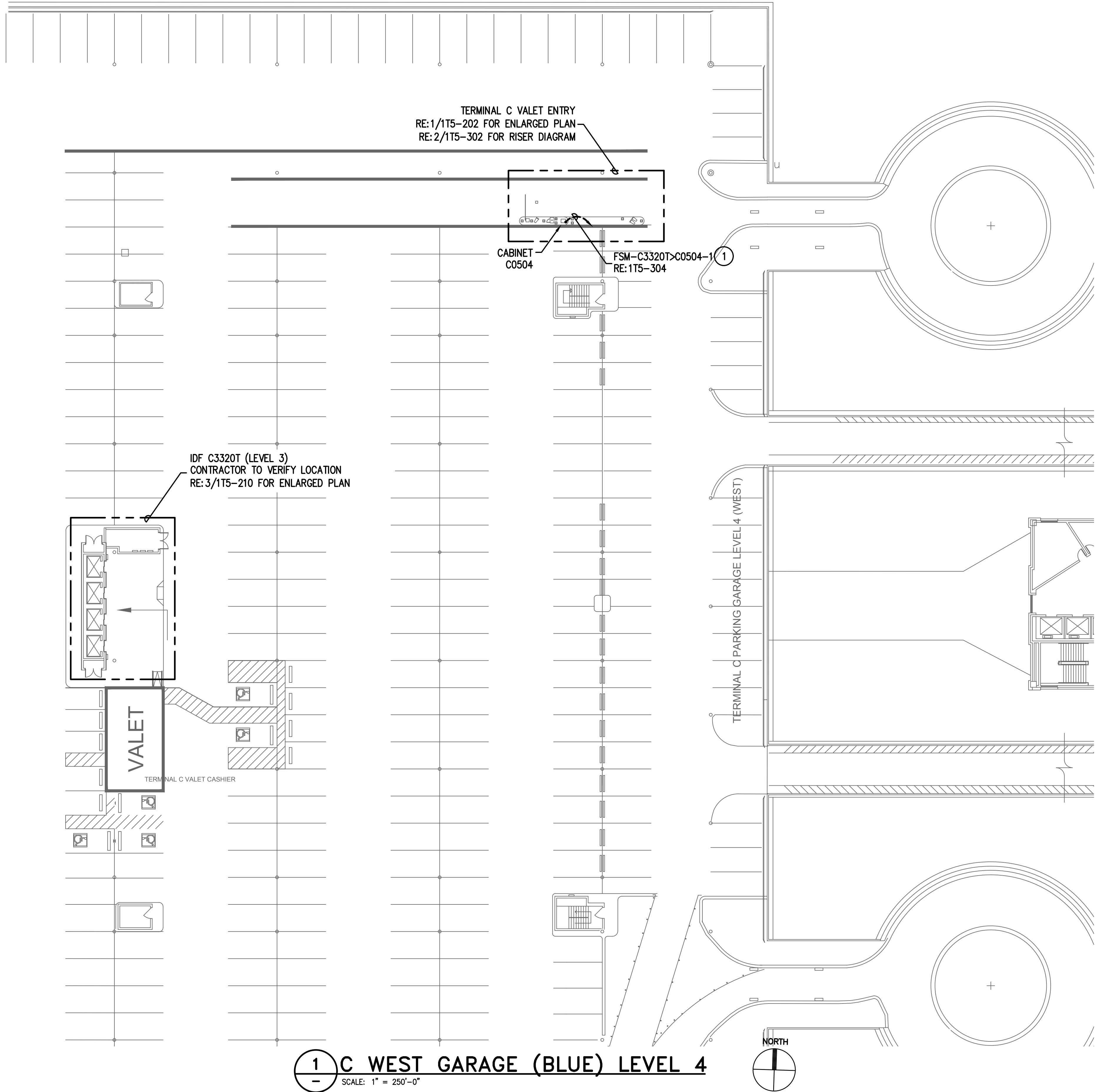
**C WEST GARAGE (BROWN)**  
**LEVEL 1-EXECUTIVE ENTRY/EXIT**  
SCALE: 1" = 250'-0"









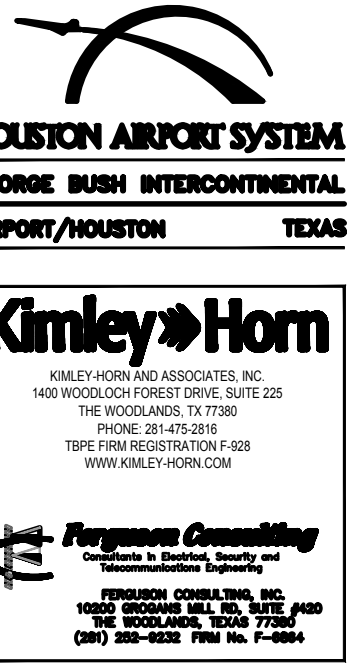


### GENERAL NOTES:

1. FIELD COORDINATE ALL CONDUIT PATHWAYS WITH EXISTING STRUCTURE AND UTILITIES. WHERE CONDUIT IS RUN OVERHEAD ROUTE CONDUIT AS HIGH AS POSSIBLE. CONTRACTOR HAS THE OPTION TO UTILIZE EXISTING PATHWAYS WHERE AVAILABLE
2. FOLLOW HOUSTON AIRPORT SYSTEM (HAS) TELECOM STANDARDS AND PRACTICES
3. EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
4. PROPOSED EQUIPMENT LOCATIONS ARE CONCEPTUAL. INSTALL EQUIPMENT AS SITE CONDITIONS REQUIRE AND AS APPROVED BY OWNER
5. REFER TO 1TX-200 DRAWING SERIES FOR ENLARGED LANE PLANS

### KEYED NOTES:

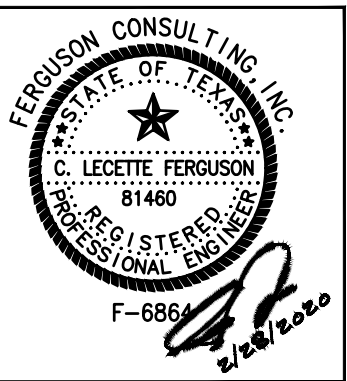
- 1 BACKBONE CONDUIT PATHWAY. REFER TO PLAN NOTED FOR CONDUIT AND CABLE DETAIL.



REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE - LEVEL 4

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

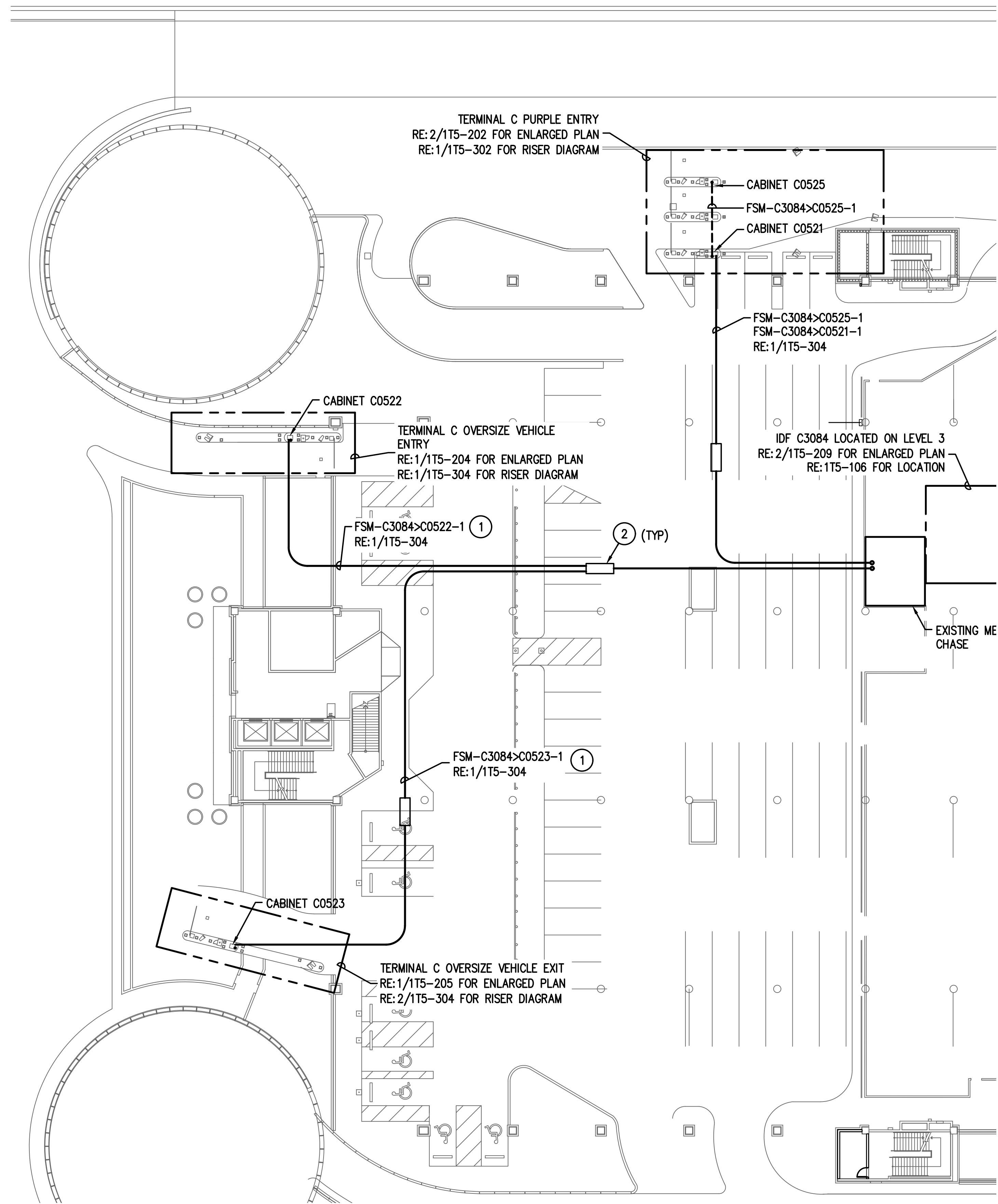
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T5-104





1 C EAST GARAGE (PURPLE) LEVEL 2 - ENTRY PLAZA  
SCALE: 1" = 250'-0"

### GENERAL NOTES:

1. FIELD COORDINATE ALL CONDUIT PATHWAYS WITH EXISTING STRUCTURE AND UTILITIES. WHERE CONDUIT IS RUN OVERHEAD ROUTE CONDUIT AS HIGH AS POSSIBLE. CONTRACTOR HAS THE OPTION TO UTILIZE EXISTING PATHWAYS WHERE AVAILABLE
2. FOLLOW HOUSTON AIRPORT SYSTEM (HAS) TELECOM STANDARDS AND PRACTICES
3. EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
4. PROPOSED EQUIPMENT LOCATIONS ARE CONCEPTUAL. INSTALL EQUIPMENT AS SITE CONDITIONS REQUIRE AND AS APPROVED BY OWNER
5. REFER TO 1TX-200 DRAWING SERIES FOR ENLARGED LANE PLANS

### KEYED NOTES:

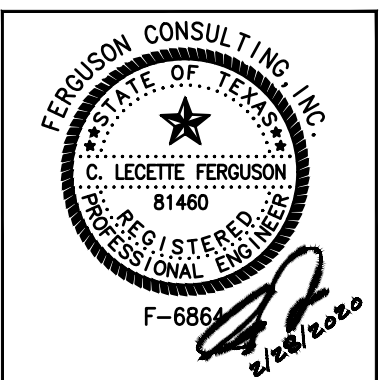
- 1 BACKBONE CONDUIT PATHWAY. REFER TO PLAN NOTED FOR CONDUIT AND CABLE DETAIL.
- 2 PROVIDE PULLBOX FOLLOWING DIV 27 REQUIREMENTS.



REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE - LEVEL 2

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

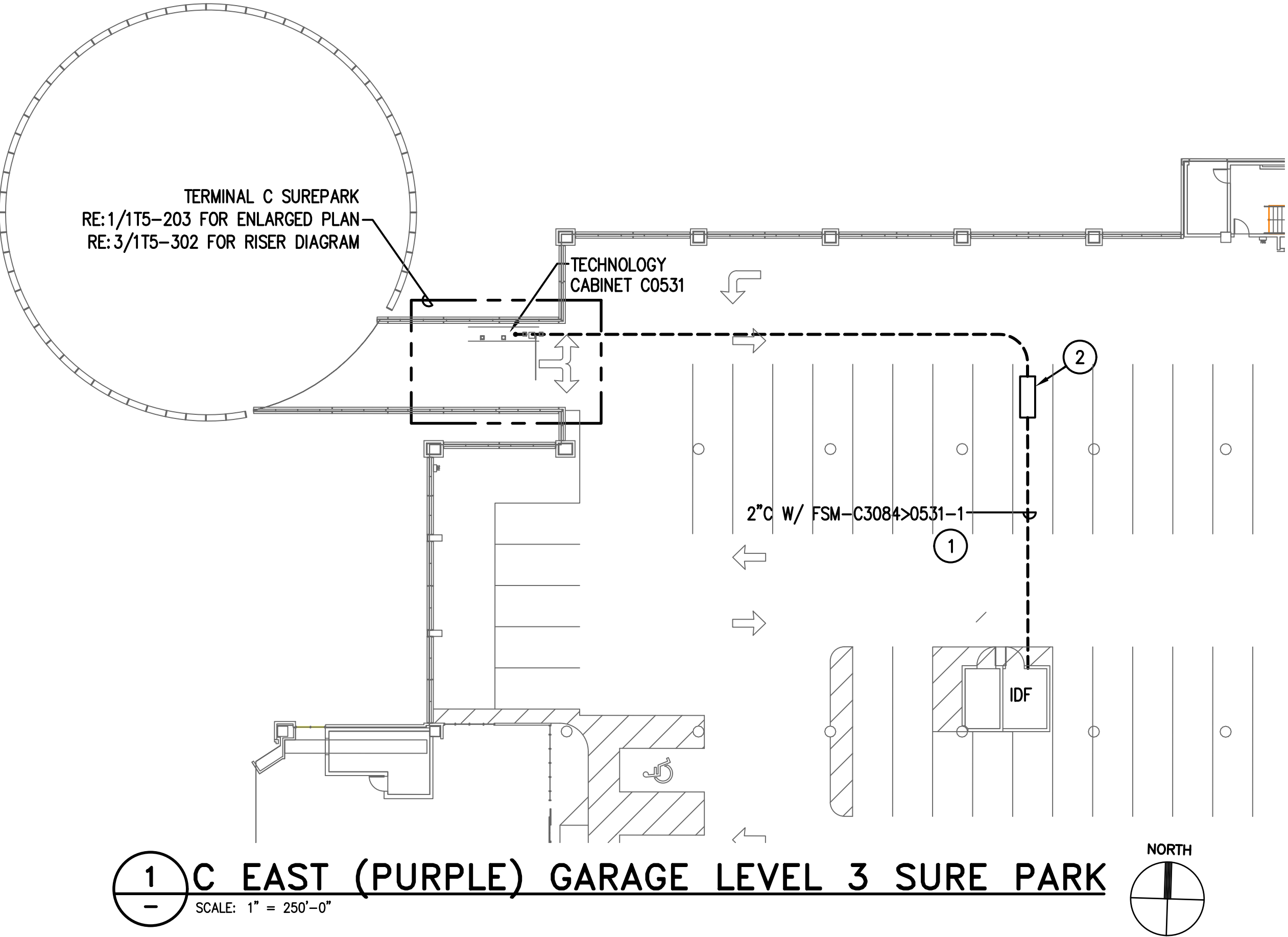
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.

1T5-105





GENERAL NOTES:

1. FIELD COORDINATE ALL CONDUIT PATHWAYS WITH EXISTING STRUCTURE AND UTILITIES. WHERE CONDUIT IS RUN OVERHEAD ROUTE CONDUIT AS HIGH AS POSSIBLE. CONTRACTOR HAS THE OPTION TO UTILIZE EXISTING PATHWAYS WHERE AVAILABLE
2. FOLLOW HOUSTON AIRPORT SYSTEM (HAS) TELECOM STANDARDS AND PRACTICES
3. EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
4. PROPOSED EQUIPMENT LOCATIONS ARE CONCEPTUAL. INSTALL EQUIPMENT AS SITE CONDITIONS REQUIRE AND AS APPROVED BY OWNER
5. REFER TO 1TX-200 DRAWING SERIES FOR ENLARGED LANE PLANS

KEYED NOTES:

- 1 PROPOSED BACKBONE CONDUIT PATHWAY. REFER TO PLAN NOTED FOR CONDUIT AND CABLE DETAILS.
- 2 MOUNT BOX IN CEILING STRUCTURE. REFER TO DETAIL NOTED.

HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

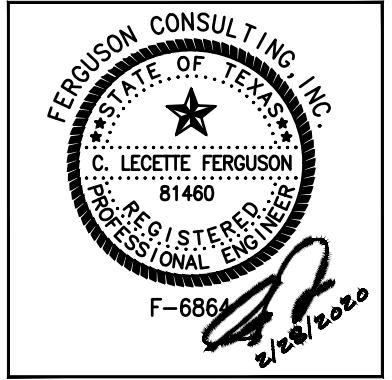
**Kimley-Horn**  
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1400 WOODLICK FOREST DRIVE, SUITE 225  
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PHONE: 281-475-2816  
TSPC FIRM REGISTRATION # 528  
WWW.KIMLEY-HORN.COM

**Ferguson Consulting**  
CONSULTANTS IN CONSULTING, QUALITY AND  
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FERGUSON CONSULTING, INC.  
10000 ROCKWELL AVE., SUITE 100  
HOUSTON, TEXAS 77036  
(281) 260-1522 FAX (281) 260-1524

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE - LEVEL 3

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



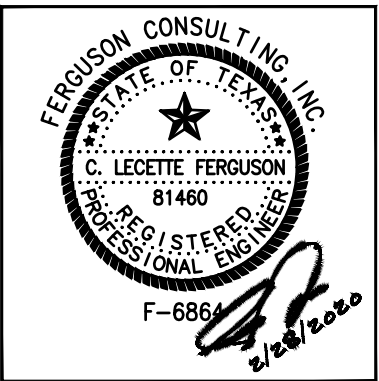
APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. 067810800	
C.I.P. NO.	
H.A.S. NO.	
PN HKE-PARCS-2020-003	
SHEET NO.	



REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE-ENLARGED PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

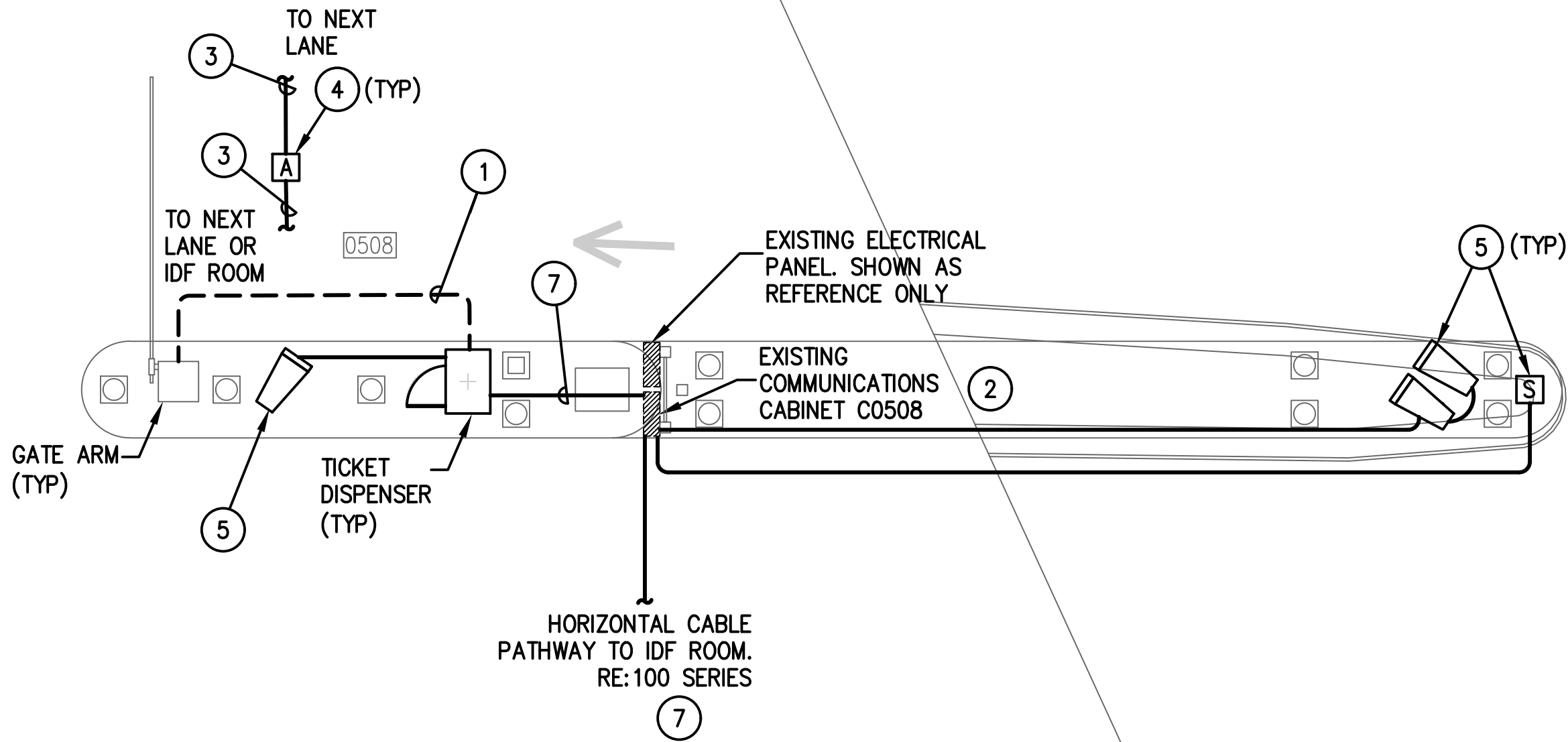
1T5-201

GENERAL NOTES:

- EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
- REFER TO 1TX-300 SERIES FOR RISER DIAGRAMS, CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1TX-400 SERIES FOR EQUIPMENT DETAILS. REFER TO OTX-400 FOR TYPICAL EQUIPMENT DETAILS
- REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION
- FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED
- ALL CONDUIT SHALL BE FURNISHED AND INSTALLED UNDER DIV. 26, BUT SHALL FOLLOW DIV. 27 INSTALLATION REQUIREMENTS
- COORDINATE ALL IDF ROOM WORK WITH RESPECTIVE OWNERS IT GROUP. PROVIDE A MINIMUM OF 30 DAYS NOTICE BEFORE WORKING IN ANY EXISTING IDF ROOM. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS TO BE MET BEFORE TURNING ANY NEW IDF ROOM OVER TO RESPECTIVE OWNER

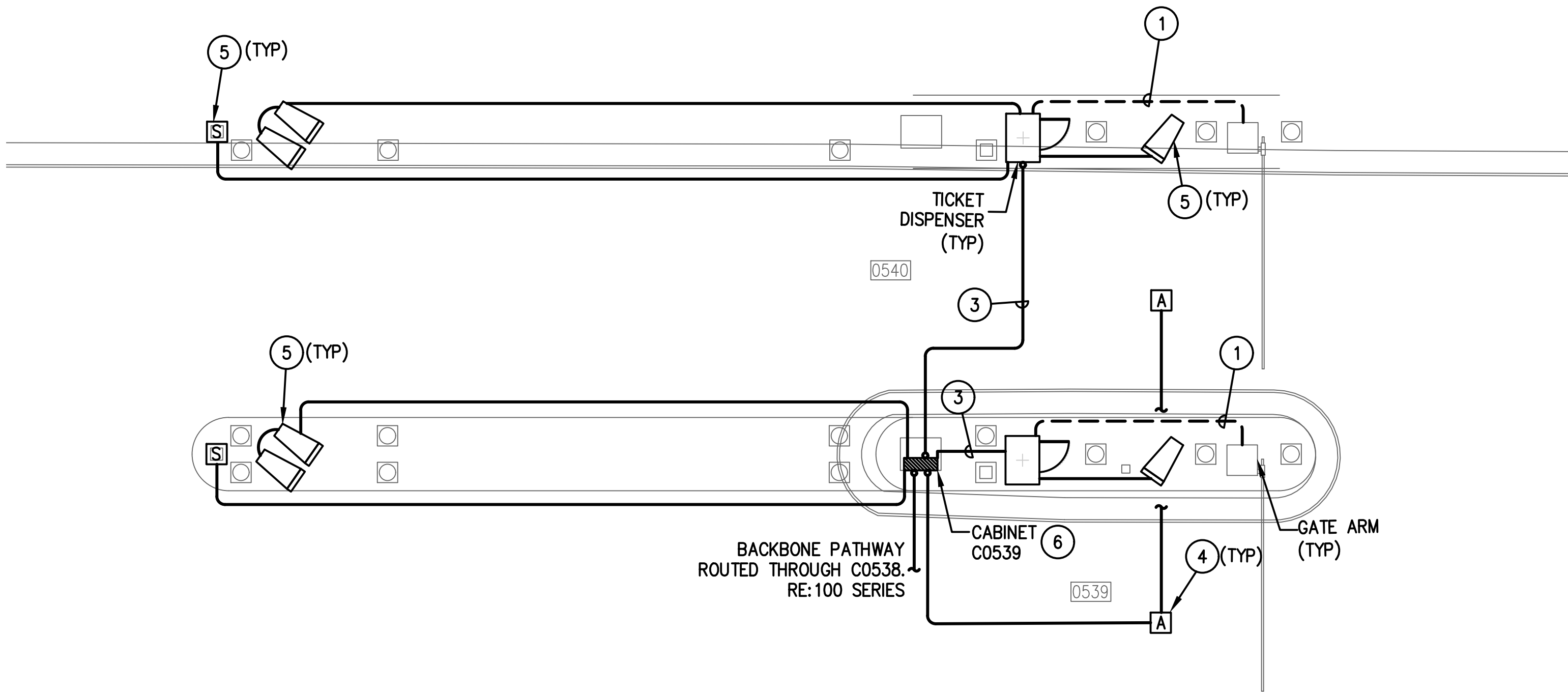
KEYED NOTES:

- UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- USE EXISTING CABINET AS A PULLBOX ONLY
- EXTEND ALL CAT6 NETWORK CABLES TO COMMUNICATION CABINET FOR TERMINATION. SIZE CONDUIT FOLLOWING TABLE ON 0T0-001.
- MOUNT IN CELING STRUCTURE.
- MOUNT ON PEDESTAL. DEFER TO MANUFACTURER FOR MOUNTING REQUIREMENTS.
- PROVIDE 2-LANE TECHNOLOGY ENCLOSURE. REFER TO 0T0-401 SERIES.
- EXTEND ALL CAT 6 NETWORK CABLES TO IDF ROOM FOR TERMINATION. SIZE CONDUIT FOLLOWING TABLE ON 1T0-001



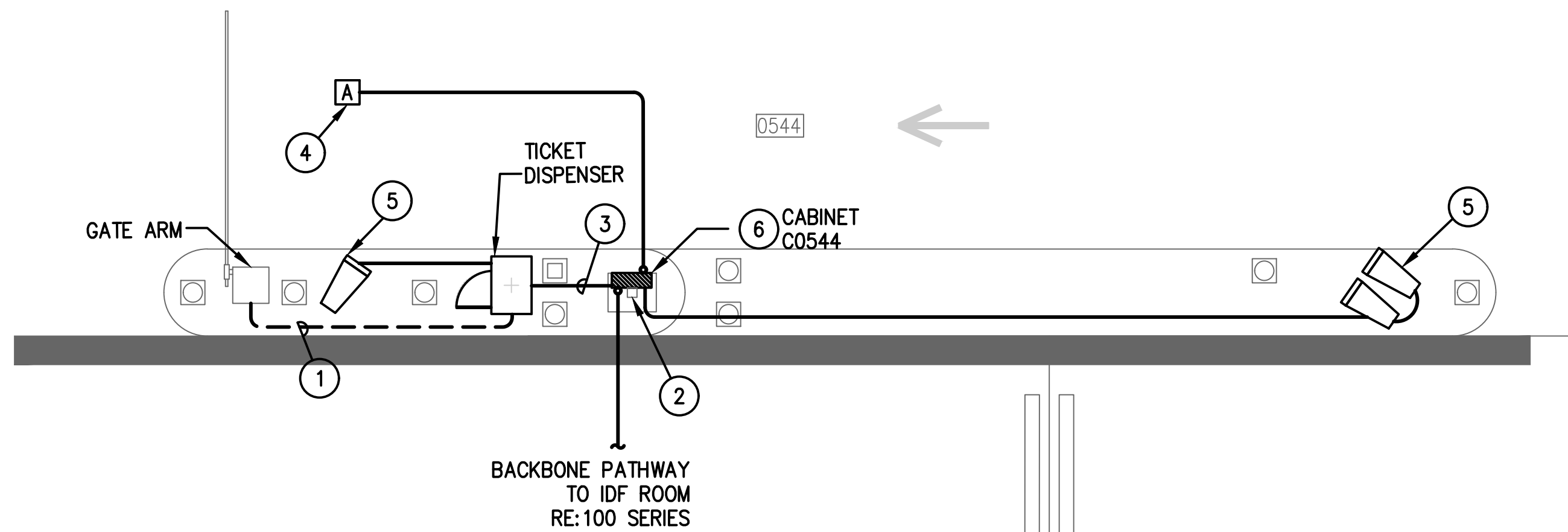
**1 WEST GARAGE (BROWN)-TYPICAL EXIT LANE ENLARGED PLAN**  
SCALE: 1/4" = 1'-0"

\* TYPICAL FOR LANES 500-508  
LANE AND CABINET ID SHOWN FOR LANE 508  
AS REFERENCE.  
RE:1T5-101 FOR ALL LANE AND CABINET ID'S

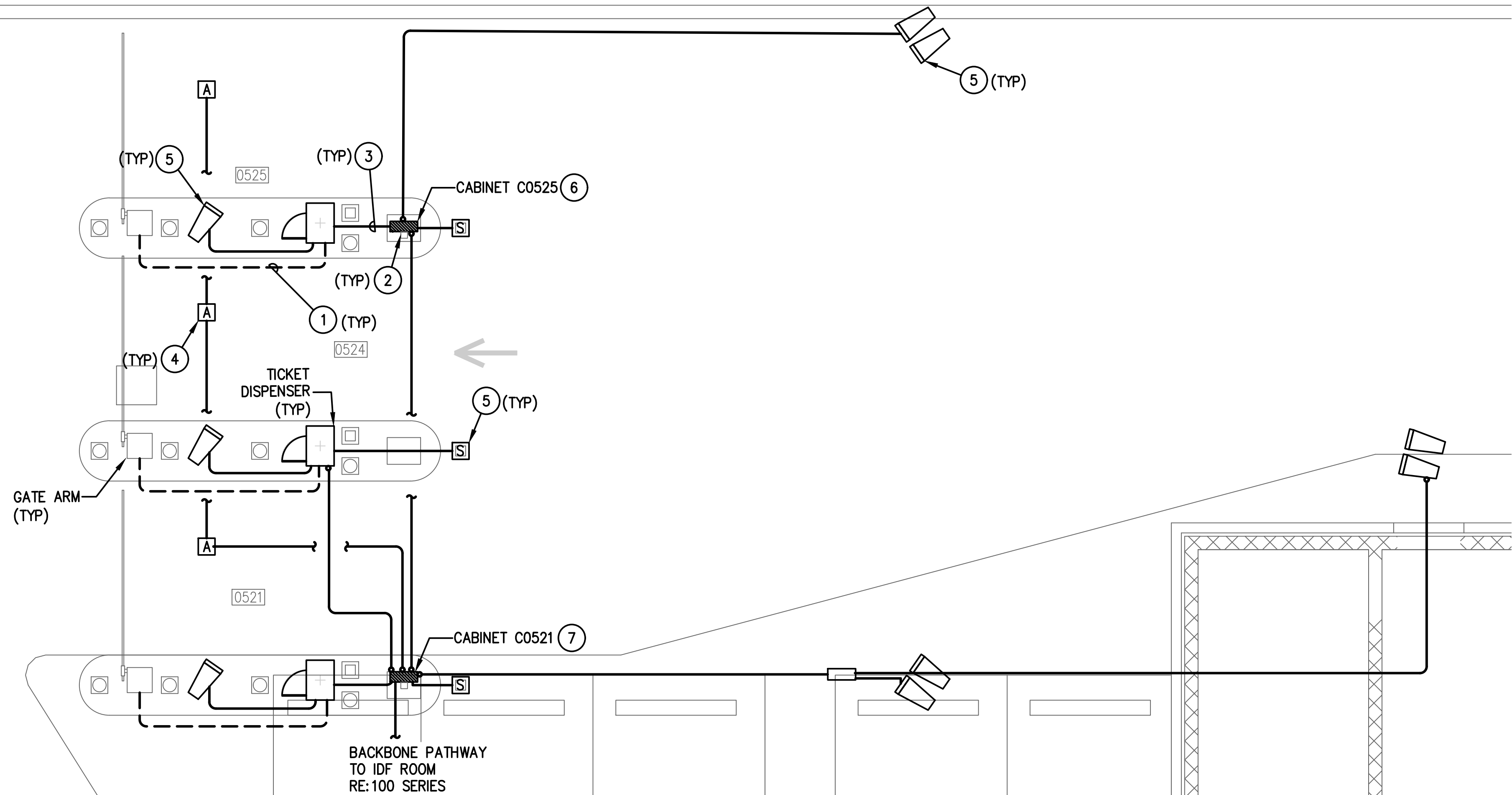


**2 C WEST GARAGE(BROWN) ENTRY LANES ENLARGED PLAN**  
SCALE: 1/4" = 1'-0"





**1 C WEST GARAGE (BLUE) LEVEL 4 VALET ENTRY**  
SCALE: 1/4" = 1'-0"



**2 C EAST GARAGE (PURPLE) ENTRY**  
SCALE: 1/4" = 1'-0"

### GENERAL NOTES:

- EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
- REFER TO 1TX-300 SERIES FOR RISER DIAGRAMS, CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1TX-400 SERIES FOR EQUIPMENT DETAILS. REFER TO OTX-400 FOR TYPICAL EQUIPMENT DETAILS
- REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION
- FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED
- ALL CONDUIT SHALL BE FURNISHED AND INSTALLED UNDER DIV. 26, BUT SHALL FOLLOW DIV. 27 INSTALLATION REQUIREMENTS
- COORDINATE ALL IDF ROOM WORK WITH RESPECTIVE OWNERS IT GROUP. PROVIDE A MINIMUM OF 30 DAYS NOTICE BEFORE WORKING IN ANY EXISTING IDF ROOM. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS TO BE MET BEFORE TURNING ANY NEW IDF ROOM OVER TO RESPECTIVE OWNER

### KEYED NOTES:

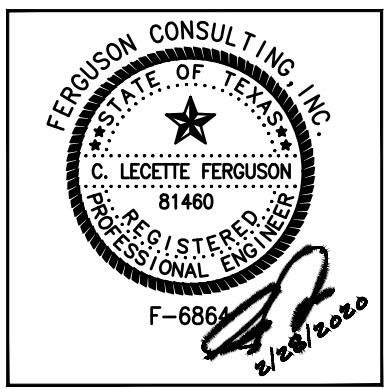
- UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- STEEL POST FROM GARAGE GRADE TO BOTTOM OF GARAGE CEILING FOR SUPPORT OF CONDUIT. REFER TO ELECTRICAL PLANS.
- EXTEND ALL CAT6 NETWORK CABLES TO COMMUNICATION CABINET FOR TERMINATION. SIZE CONDUIT FOLLOWING TABLE ON OT0-001.
- MOUNT IN CELING STRUCTURE.
- MOUNT ON PEDESTAL. DEFER TO MANUFACTURER FOR MOUNTING REQUIREMENTS.
- PROVIDE 1-LANE TECHNOLOGY ENCLOSURE. REFER TO OT0-401 SERIES.
- PROVIDE 2-LANE TECHNOLOGY ENCLOSURE. REFER TO OT0-401 SERIES.
- PROVIDE SECURITY ENCLOSURE. TYPE NOTED IN PLAN. REFER TO OT0-401 FOR DETAIL.



REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE-ENLARGED PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY:	DATE:
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DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

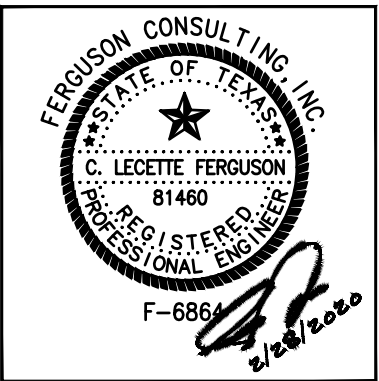
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REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE-ENLARGED PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

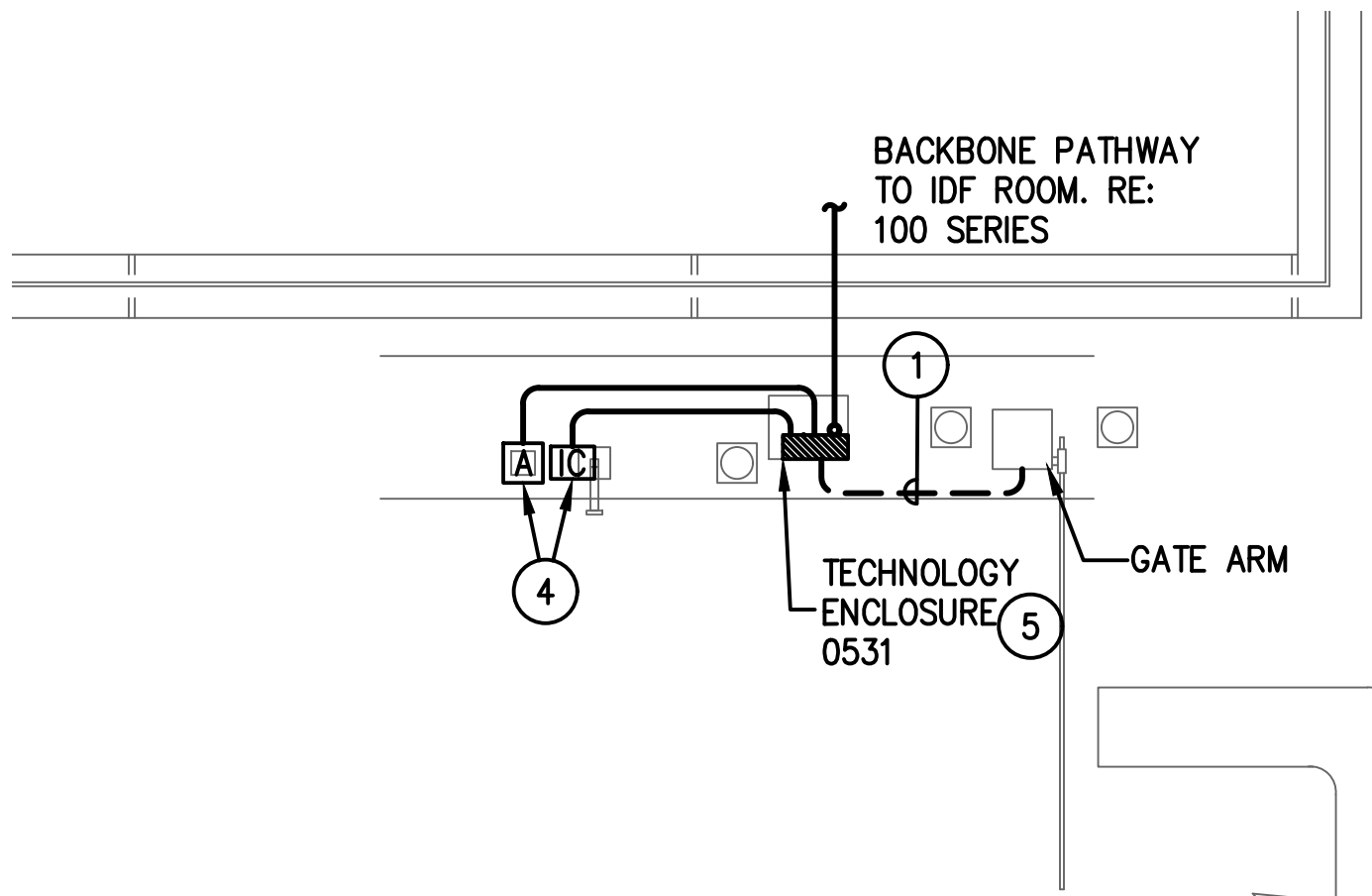
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**GENERAL NOTES:**

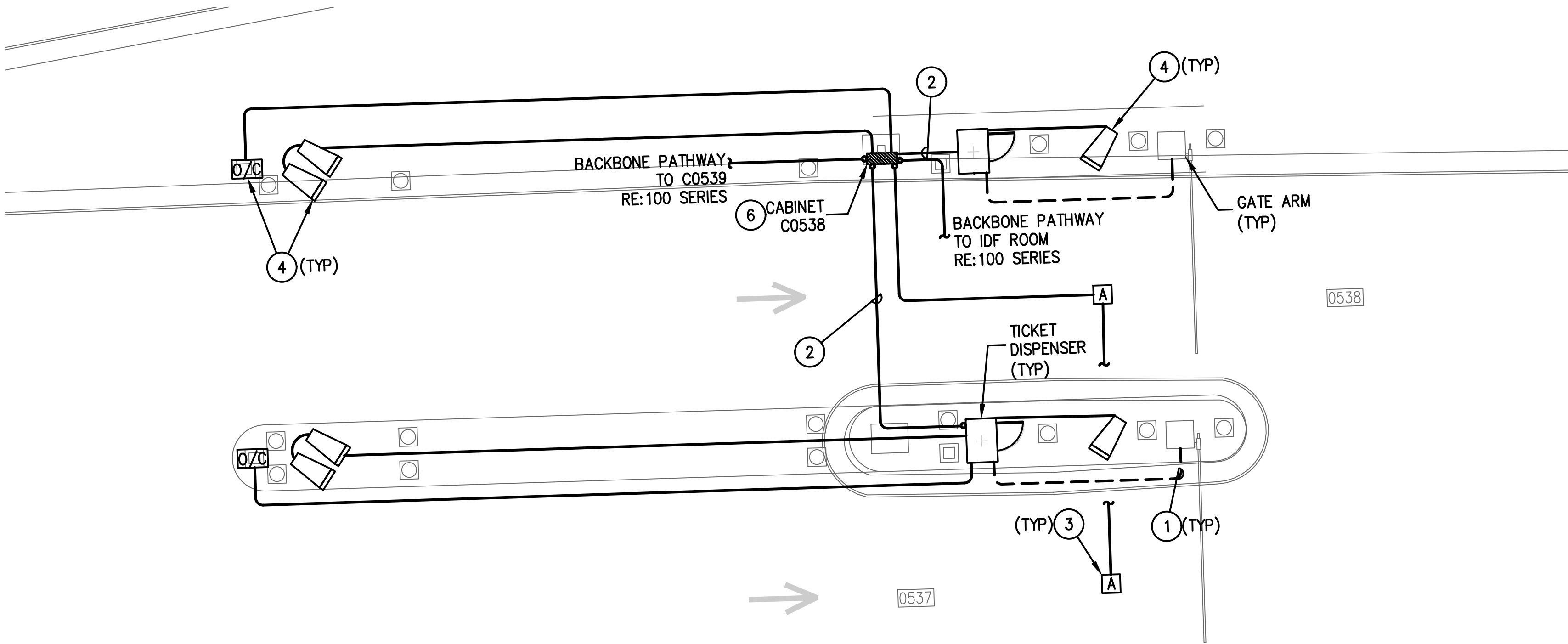
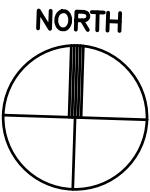
- EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
- REFER TO 1TX-300 SERIES FOR RISER DIAGRAMS, CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1TX-400 SERIES FOR EQUIPMENT DETAILS. REFER TO OTX-400 FOR TYPICAL EQUIPMENT DETAILS
- REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION
- FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED
- ALL CONDUIT SHALL BE FURNISHED AND INSTALLED UNDER DIV. 26, BUT SHALL FOLLOW DIV. 27 INSTALLATION REQUIREMENTS
- COORDINATE ALL IDF ROOM WORK WITH RESPECTIVE OWNERS IT GROUP. PROVIDE A MINIMUM OF 30 DAYS NOTICE BEFORE WORKING IN ANY EXISTING IDF ROOM. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS TO BE MET BEFORE TURNING ANY NEW IDF ROOM OVER TO RESPECTIVE OWNER

**KEYED NOTES:**

- UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- EXTEND ALL CAT6 NETWORK CABLES TO COMMUNICATION CABINET FOR TERMINATION. SIZE CONDUIT FOLLOWING TABLE ON OT0-001.
- MOUNT IN CELING STRUCTURE.
- MOUNT ON PEDESTAL. DEFER TO MANUFACTURER FOR MOUNTING REQUIREMENTS.
- PROVIDE 1-LANE TECHNOLOGY ENCLOSURE. REFER TO OT0-401 SERIES.
- PROVIDE 2-LANE TECHNOLOGY ENCLOSURE. REFER TO OT0-401 SERIES.



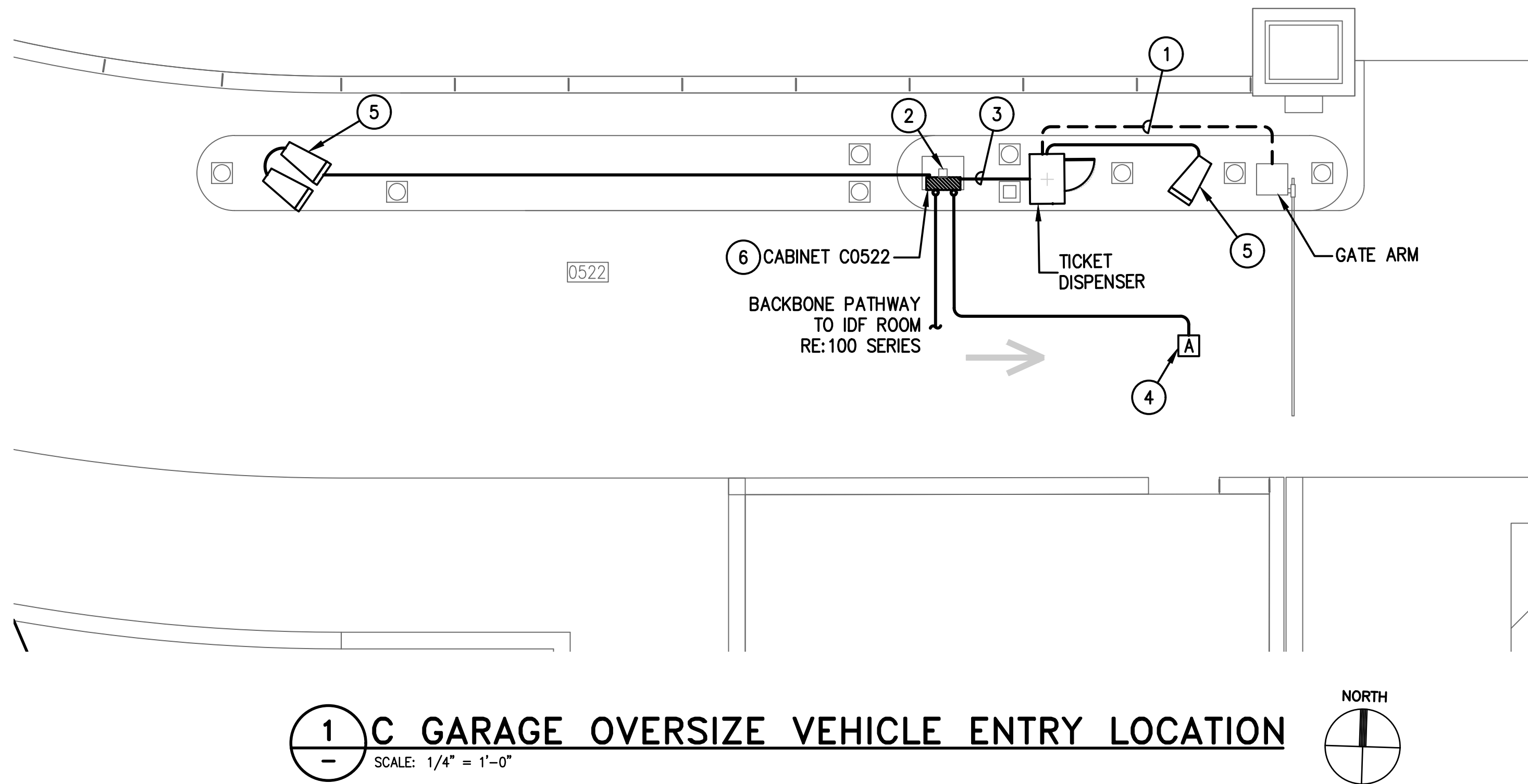
**1 C EAST GARAGE (PURPLE) LEVEL 3 SUREPARK - ENLARGED PLAN**  
SCALE: 1/4" = 1'-0"



**2 C WEST GARAGE (BROWN) ENTRY LANES - ENLARGED PLAN**  
SCALE: 1/4" = 1'-0"







### GENERAL NOTES:

- EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
- REFER TO 1TX-300 SERIES FOR RISER DIAGRAMS, CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1TX-400 SERIES FOR EQUIPMENT DETAILS. REFER TO OTX-400 FOR TYPICAL EQUIPMENT DETAILS
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### KEYED NOTES:

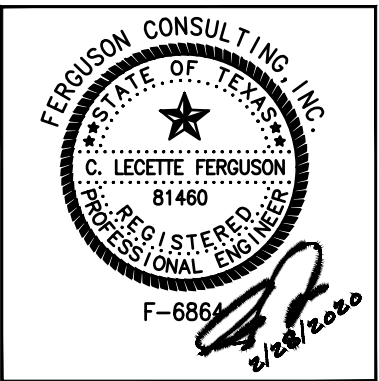
- UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- STEEL POST FROM GARAGE GRADE TO BOTTOM OF GARAGE CEILING FOR SUPPORT OF CONDUIT. REFER TO ELECTRICAL PLANS.
- EXTEND ALL CAT6 NETWORK CABLES TO COMMUNICATION CABINET FOR TERMINATION. SIZE CONDUIT FOLLOWING TABLE ON OT0-001.
- MOUNT IN CELING STRUCTURE.
- MOUNT ON PEDESTAL. DEFER TO MANUFACTURER FOR MOUNTING REQUIREMENTS.
- PROVIDE 1-LANE TECHNOLOGY ENCLOSURE. REFER TO OT0-401 SERIES.
- PROVIDE 2-LANE TECHNOLOGY ENCLOSURE. REFER TO OT0-401 SERIES.
- PROVIDE SECURITY ENCLOSURE. TYPE NOTED IN PLAN. REFER TO OT0-401 FOR DETAIL.



REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE-ENLARGED PLANS

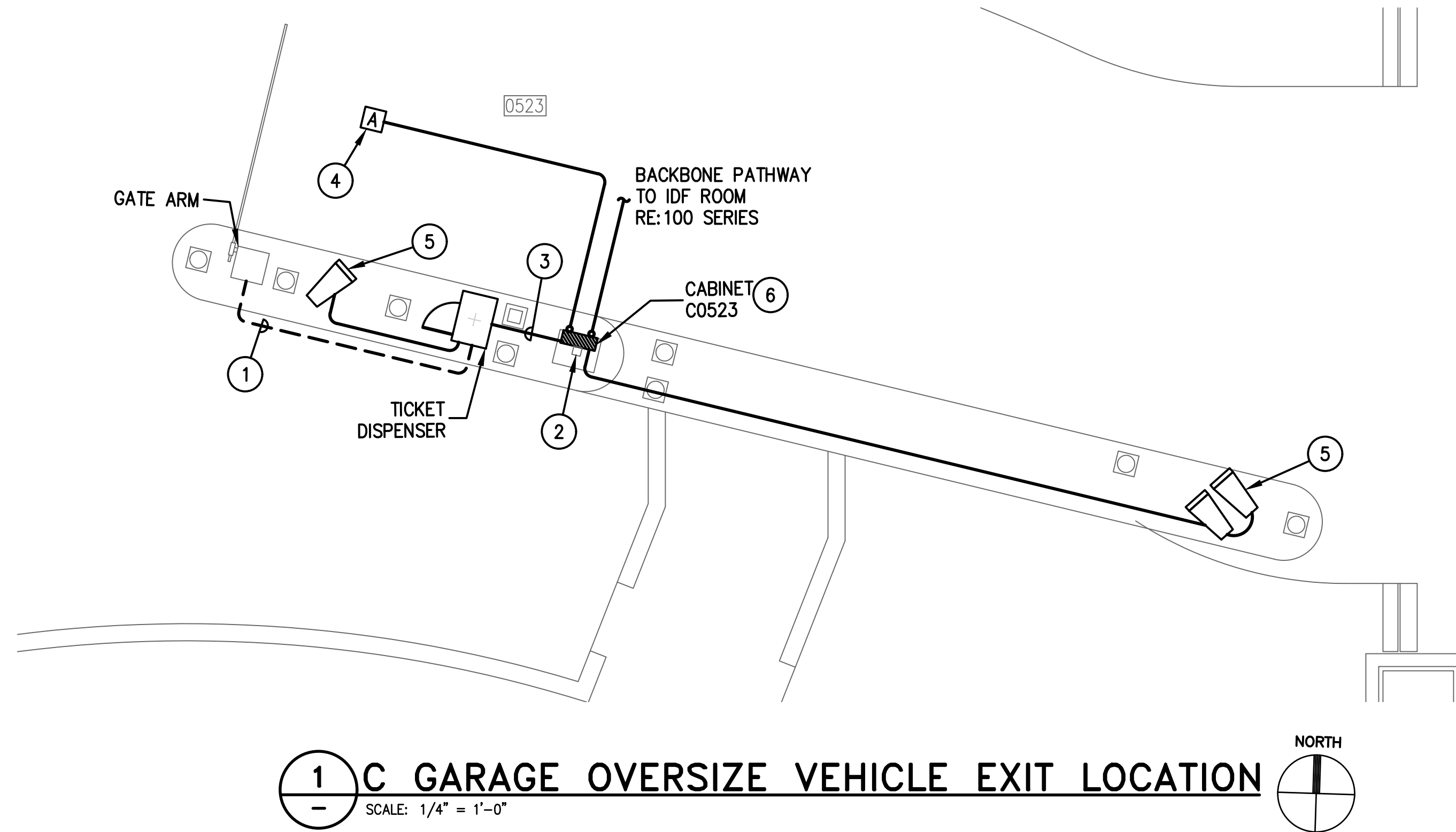
PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. <b>067810800</b>	
C.I.P. NO.	
H.A.S. NO.	
<b>PN HKE-PARCS-2020-003</b>	
SHEET NO.	

1T5-204





**GENERAL NOTES:**

- EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
- REFER TO 1TX-300 SERIES FOR RISER DIAGRAMS, CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1TX-400 SERIES FOR EQUIPMENT DETAILS. REFER TO OTX-400 FOR TYPICAL EQUIPMENT DETAILS
- REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION
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- COORDINATE ALL IDF ROOM WORK WITH RESPECTIVE OWNERS IT GROUP. PROVIDE A MINIMUM OF 30 DAYS NOTICE BEFORE WORKING IN ANY EXISTING IDF ROOM. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS TO BE MET BEFORE TURNING ANY NEW IDF ROOM OVER TO RESPECTIVE OWNER

**KEYED NOTES:**

- UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- STEEL POST FROM GARAGE GRADE TO BOTTOM OF GARAGE CEILING FOR SUPPORT OF CONDUIT. REFER TO ELECTRICAL PLANS.
- EXTEND ALL CAT6 NETWORK CABLES TO COMMUNICATION CABINET FOR TERMINATION. SIZE CONDUIT FOLLOWING TABLE ON OT0-001.
- MOUNT IN CELING STRUCTURE.
- MOUNT ON PEDESTAL. DEFER TO MANUFACTURER FOR MOUNTING REQUIREMENTS.
- PROVIDE 1-LANE TECHNOLOGY ENCLOSURE. REFER TO OT0-401 SERIES.

**HOUSTON AIRPORT SYSTEM**  
**GEORGE BUSH INTERCONTINENTAL**  
**AIRPORT/HOUSTON TEXAS**

**Kimley-Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TDD: 281-475-2816  
WWW.KIMLEY-HORN.COM

**Ferguson Consulting**  
CONSULTING ENGINEERS  
10000 ROCKWELL AVE., SUITE 100  
HOUSTON, TEXAS 77036  
(281) 260-1000 FAX (281) 260-1001

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE-ENLARGED PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

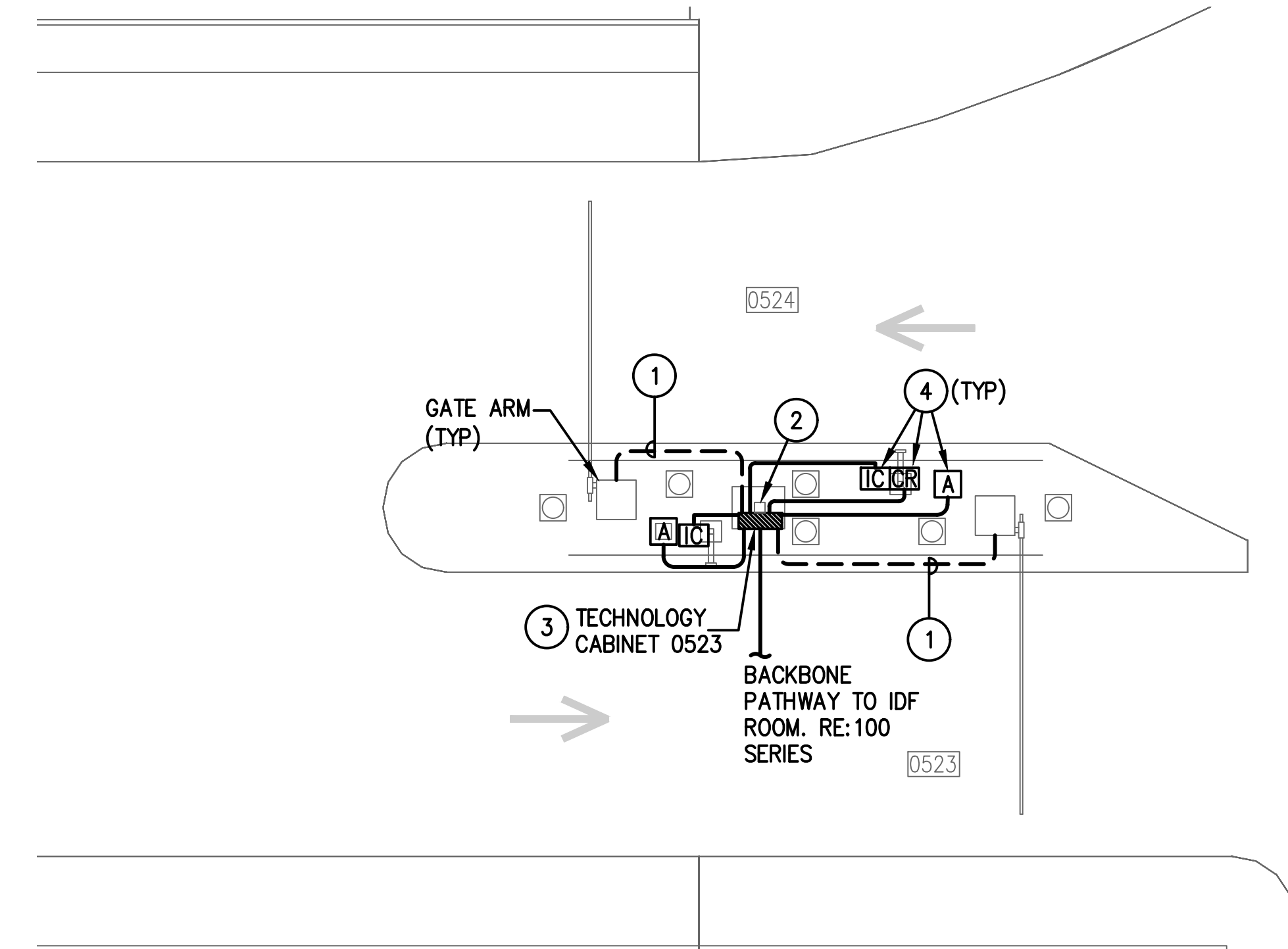
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

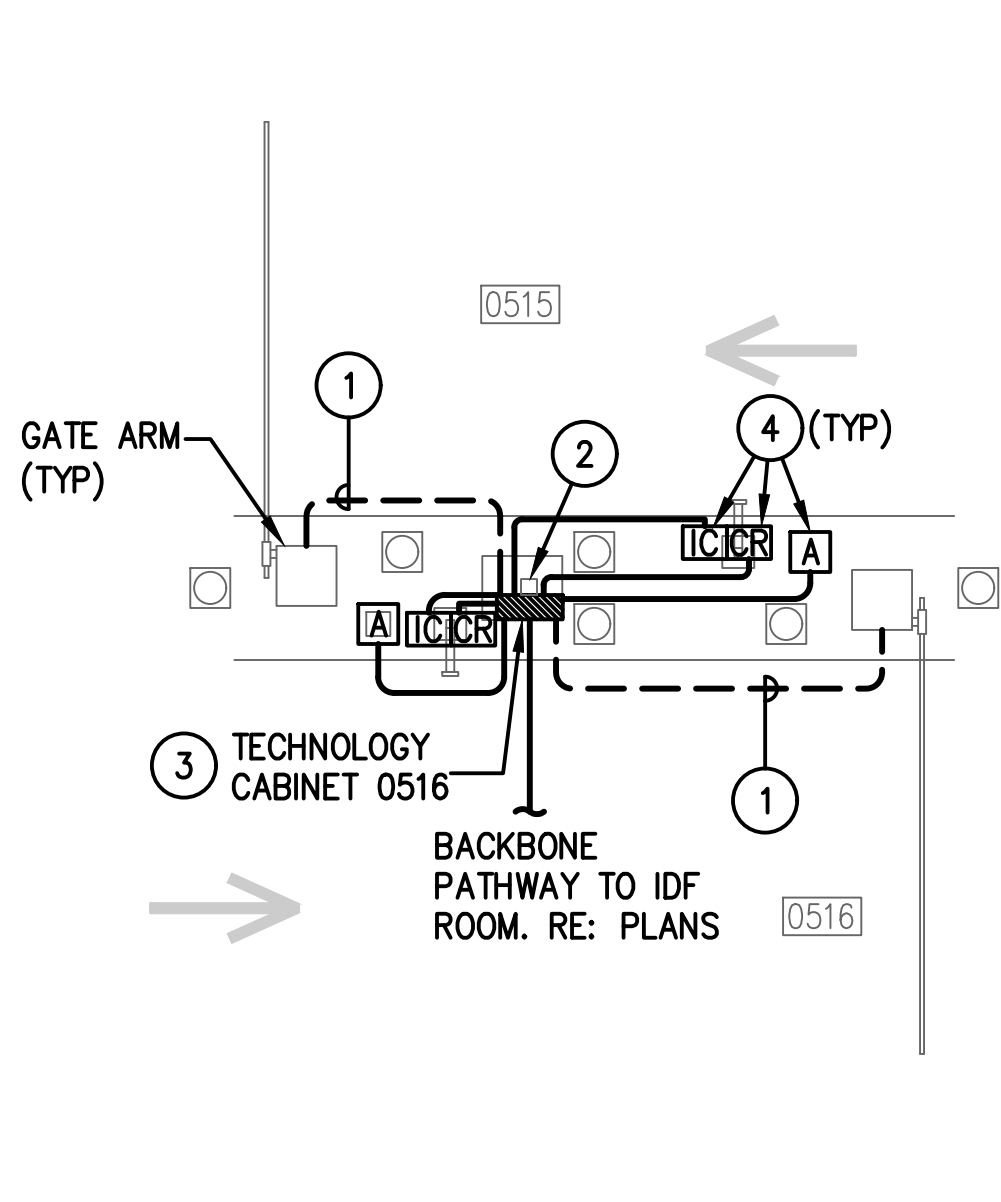
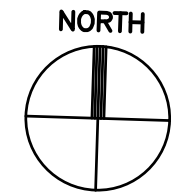
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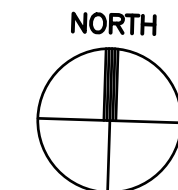


**1 C WEST GARAGE (BROWN) LEVEL 2 CONTRACT ENTRY/EXIT**  
SCALE: 1/4" = 1'-0"

\* TYPICAL FOR LANES  
0523/0524 AND LANES  
0524/0522



**2 C WEST GARAGE (BROWN) LEVEL 1 LIMO ENTRY/EXIT**  
SCALE: 1/4" = 1'-0"

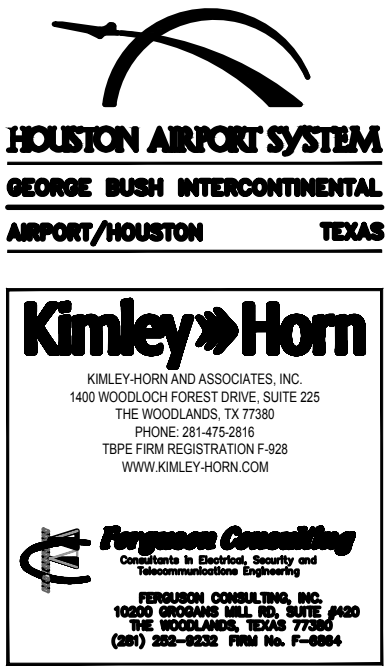


### GENERAL NOTES:

- EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
- REFER TO 1TX-300 SERIES FOR RISER DIAGRAMS, CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1TX-400 SERIES FOR EQUIPMENT DETAILS. REFER TO OTX-400 FOR TYPICAL EQUIPMENT DETAILS
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### KEYED NOTES:

- UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- STEEL POST FROM GARAGE GRADE TO BOTTOM OF GARAGE CEILING FOR SUPPORT OF CONDUIT. REFER TO ELECTRICAL PLANS.
- PROVIDE 1-LANE TECHNOLOGY ENCLOSURE. REFER TO OT0-401 SERIES.
- MOUNT ON PEDESTAL. DEFER TO MANUFACTURER FOR MOUNTING REQUIREMENTS.



REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C WEST GARAGE (BROWN) - ENLARGED  
PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



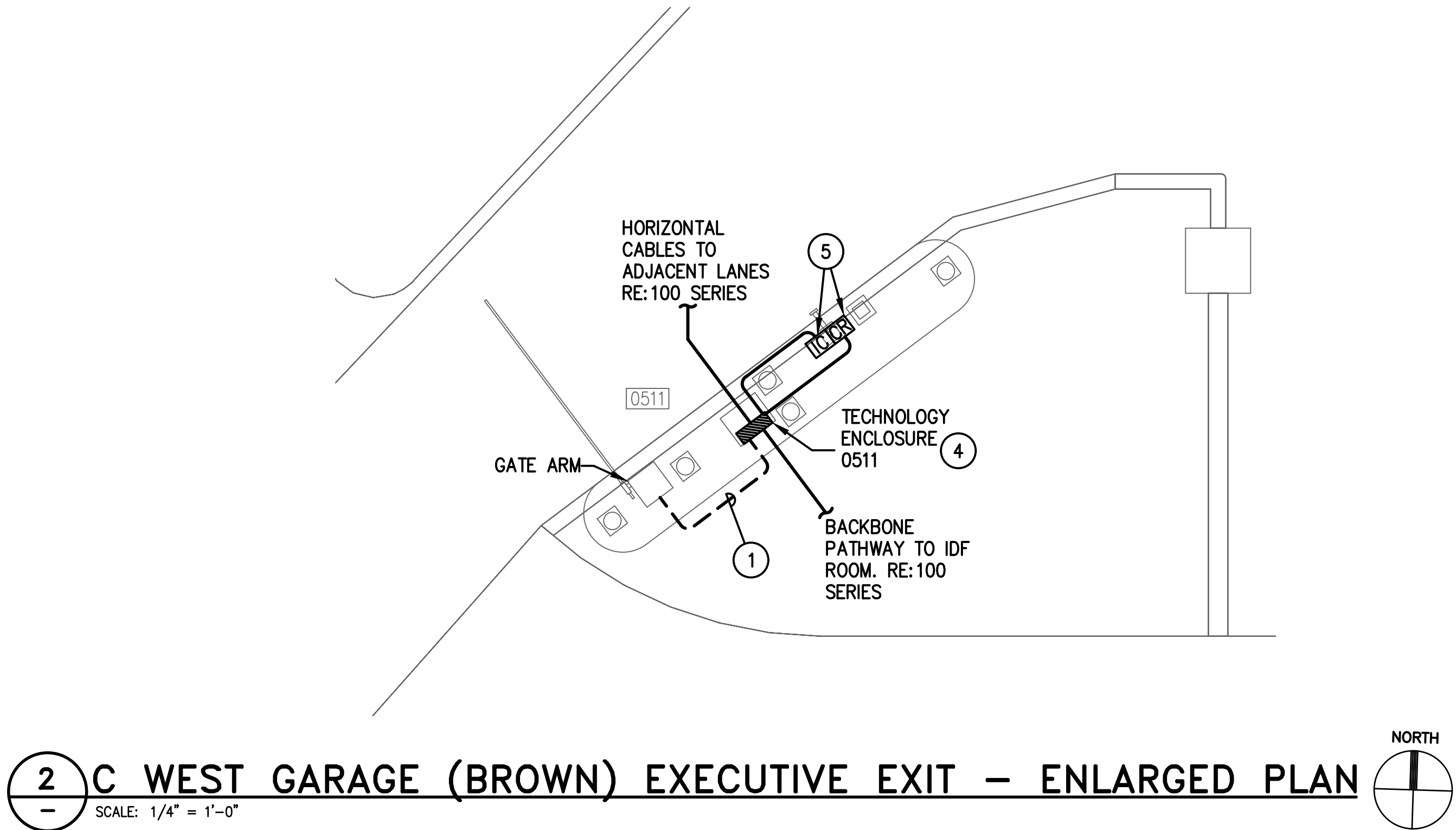
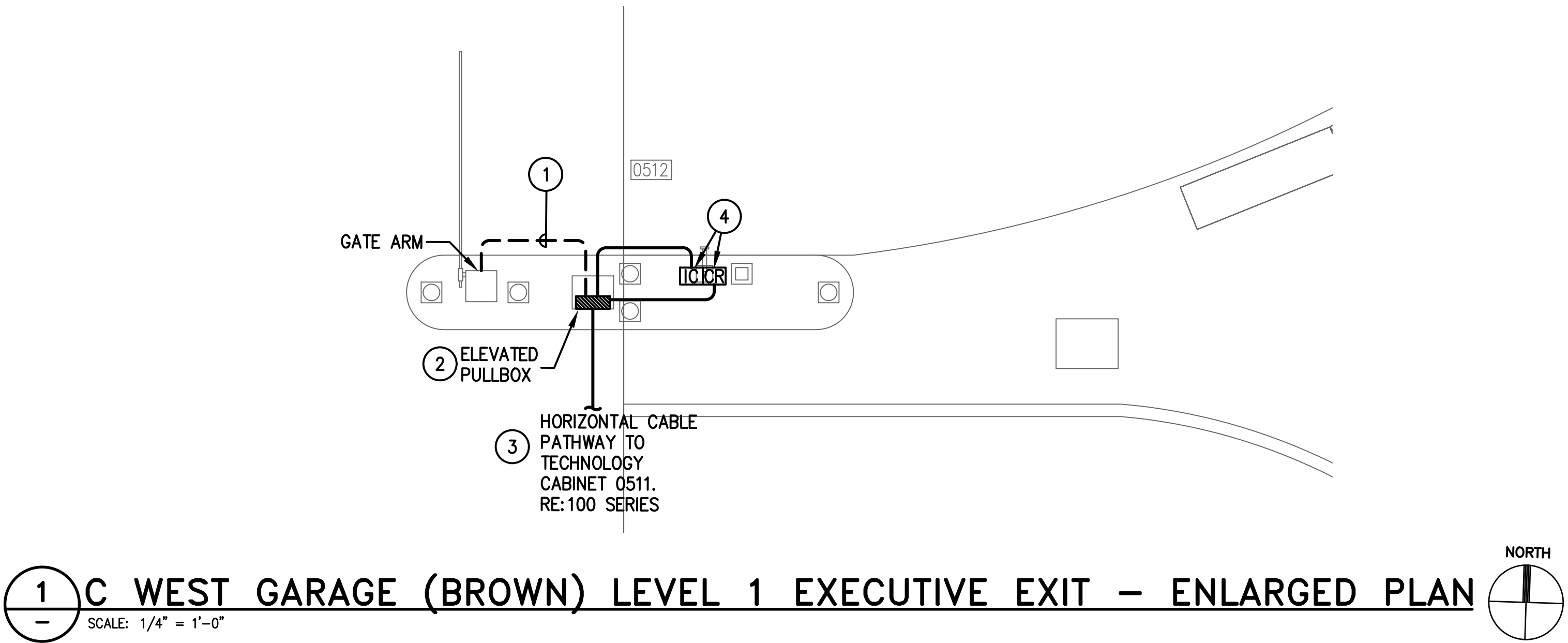
APPROVED BY:	DATE:
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DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.	067810800
C.I.P. NO.	
H.A.S. NO.	PN HKE-PARCS-2020-003
SHEET NO.	

1T5-206





**GENERAL NOTES:**

- EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
- REFER TO 1TX-300 SERIES FOR RISER DIAGRAMS, CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1TX-400 SERIES FOR EQUIPMENT DETAILS. REFER TO OTX-400 FOR TYPICAL EQUIPMENT DETAILS
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**KEYED NOTES:**

- UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- PROVIDE ELEVATED PULLBOX. REFER TO 1T5-400 SERIES
- EXTEND ALL CAT6 NETWORK CABLES TO COMMUNICATION CABINET FOR TERMINATION. SIZE CONDUIT FOLLOWING TABLE ON OT0-001.
- PROVIDE 2-LANE TECHNOLOGY ENCLOSURE. REFER TO OT0-401 SERIES.
- MOUNT ON PEDESTAL. DEFER TO MANUFACTURER FOR MOUNTING REQUIREMENTS.



REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C WEST GARAGE (BROWN) - ENLARGED  
PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY:	DATE:

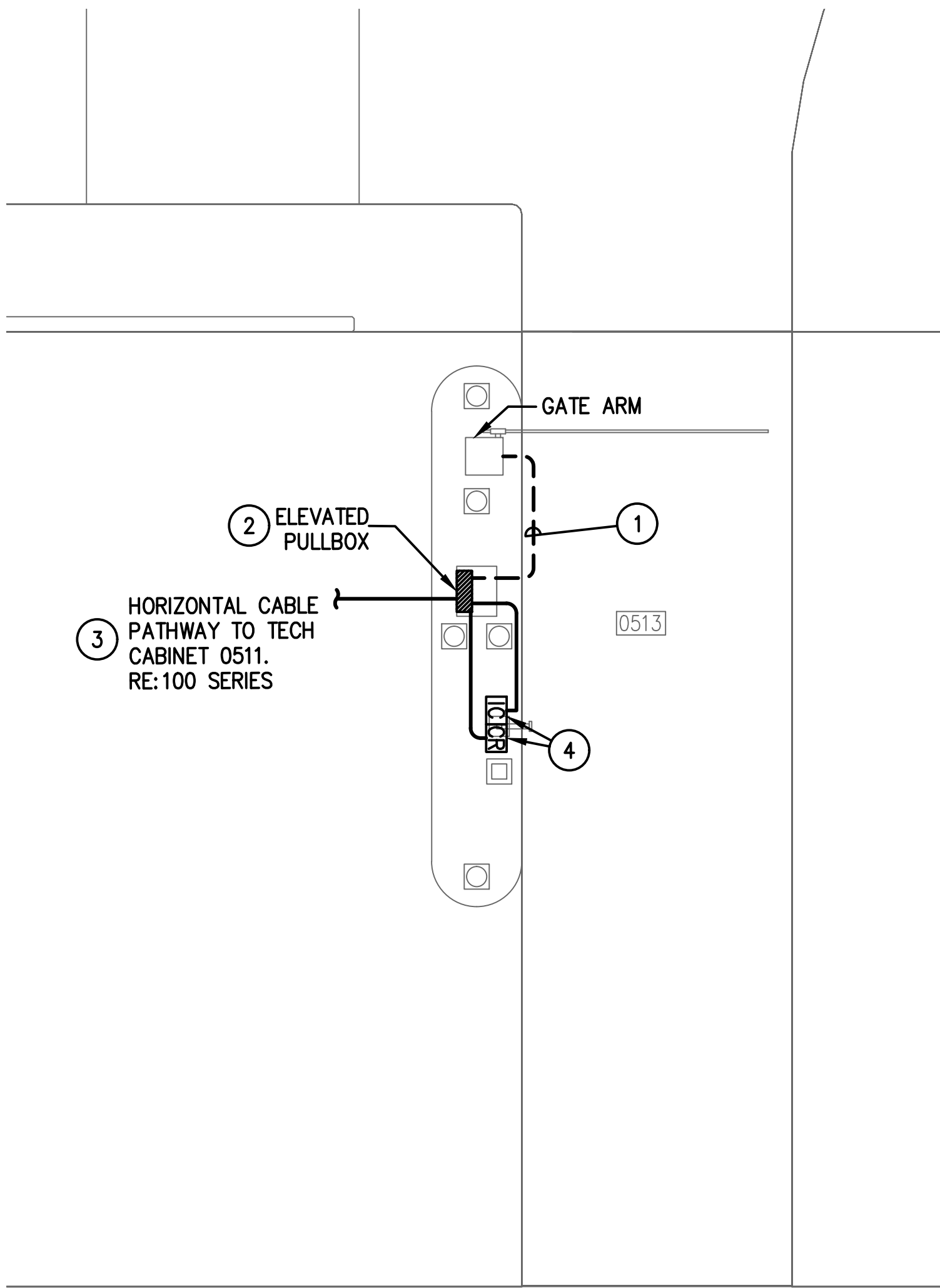
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T5-207





1 C WEST GARAGE (BROWN) LEVEL 1 EXECUTIVE ENTRY – ENLARGED PLAN  
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

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- REFER TO 1TX-300 SERIES FOR RISER DIAGRAMS, CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1TX-400 SERIES FOR EQUIPMENT DETAILS. REFER TO 0TX-400 FOR TYPICAL EQUIPMENT DETAILS
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- FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED
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KEYED NOTES:

- UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- PROVIDE ELEVATED PULLBOX. REFER TO 0T0-402
- EXTEND ALL CAT6 NETWORK CABLES TO COMMUNICATION CABINET FOR TERMINATION. SIZE CONDUIT FOLLOWING TABLE ON 0T0-001.
- MOUNT ON PEDESTAL. DEFER TO MANUFACTURER FOR MOUNTING REQUIREMENTS.

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley-Horn**  
KIMLEY-HORN ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TSPC FIRM REGISTRATION # 028  
WWW.KIMLEY-HORN.COM

**Ferguson Consulting**  
FERGUSON CONSULTING, INC.  
10000 ROCKWELL AVE., SUITE 100  
THE WOODLANDS, TEXAS 77380  
(281) 260-1522 FAX (281) 260-1524

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE-ENLARGED PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

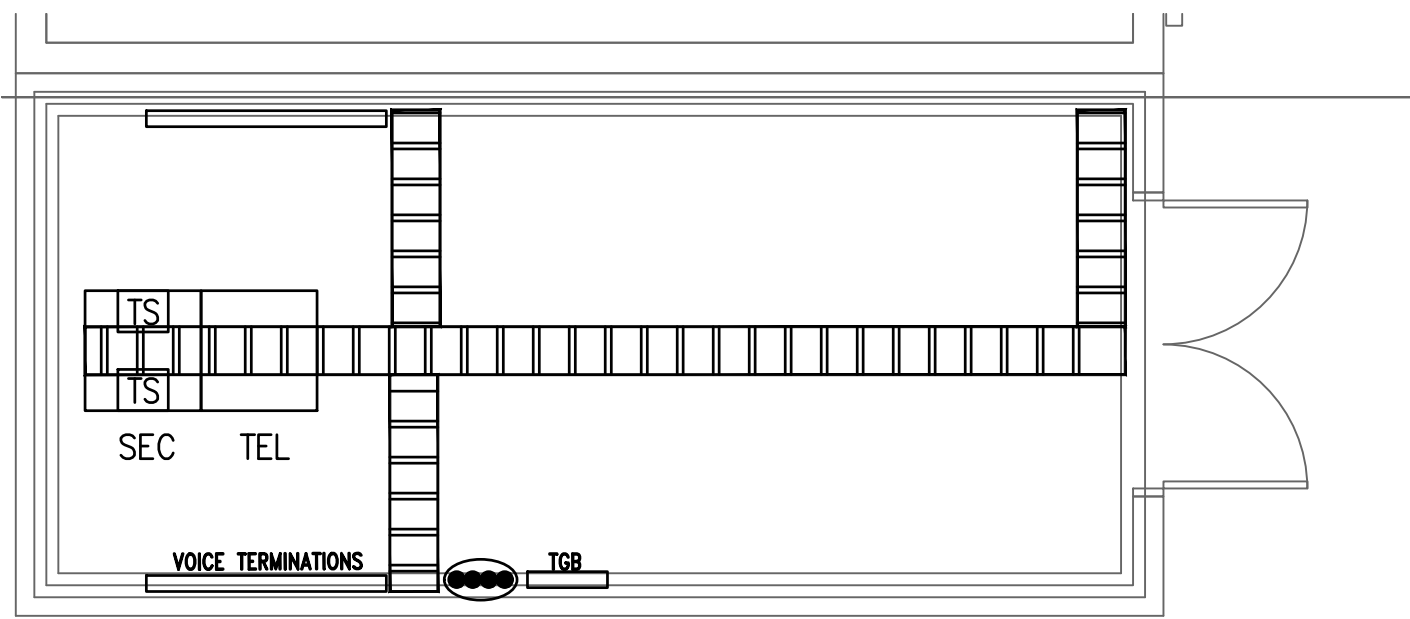
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.

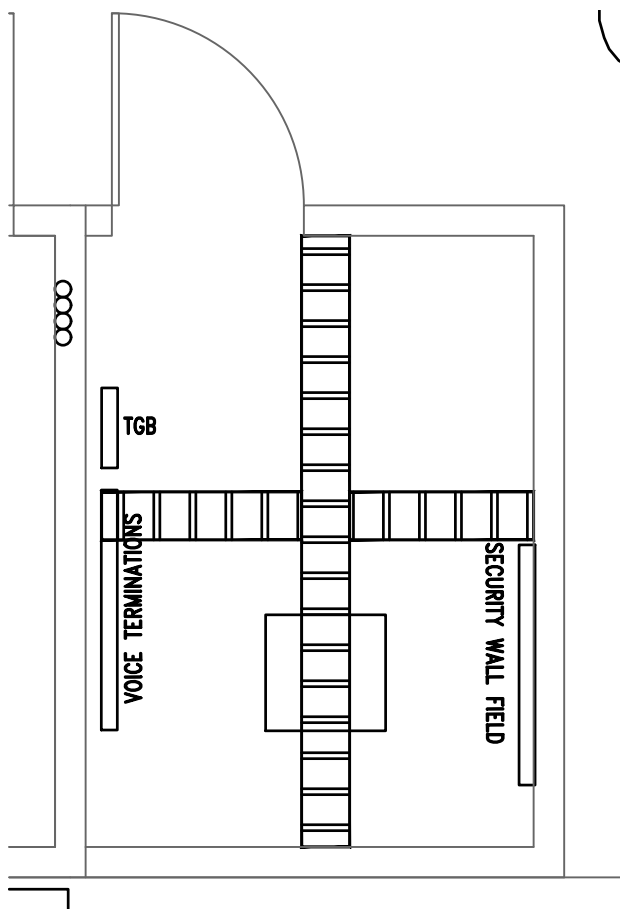
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PN HKE-PARCS-2020-003  
SHEET NO.

1T5-208

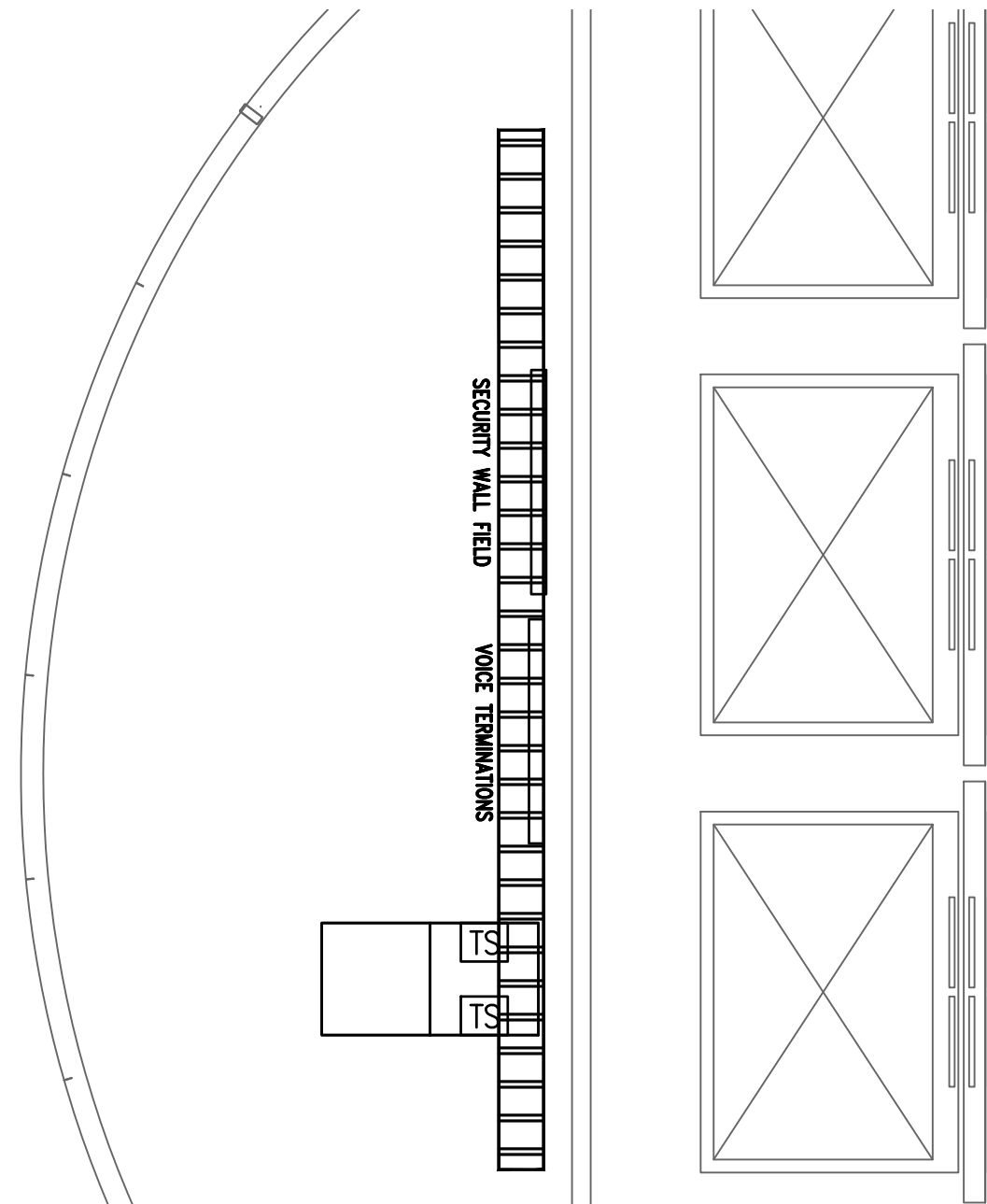




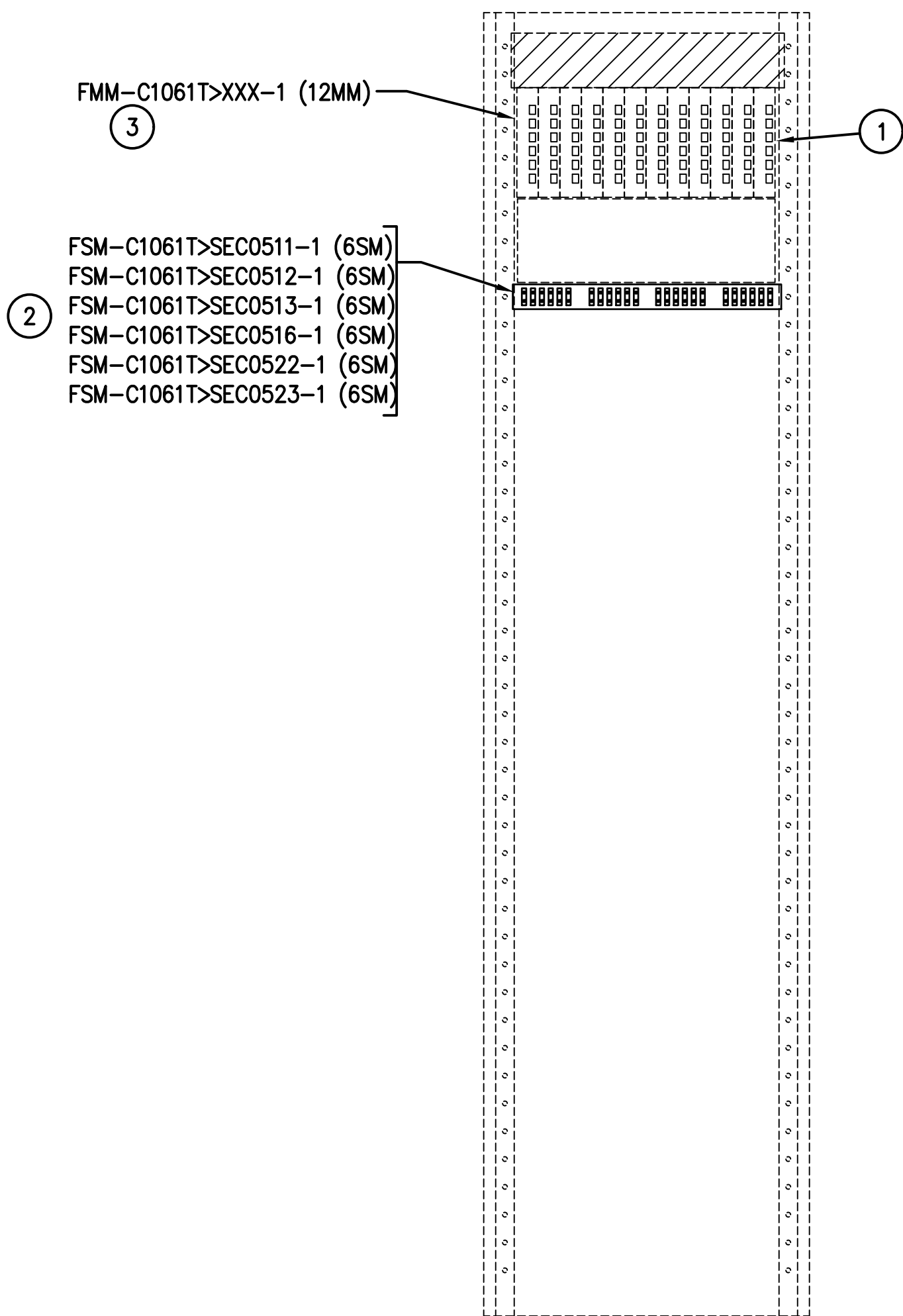
1 IDF-C1061T ENLARGED PLAN  
SCALE: 1/4" = 1'-0"



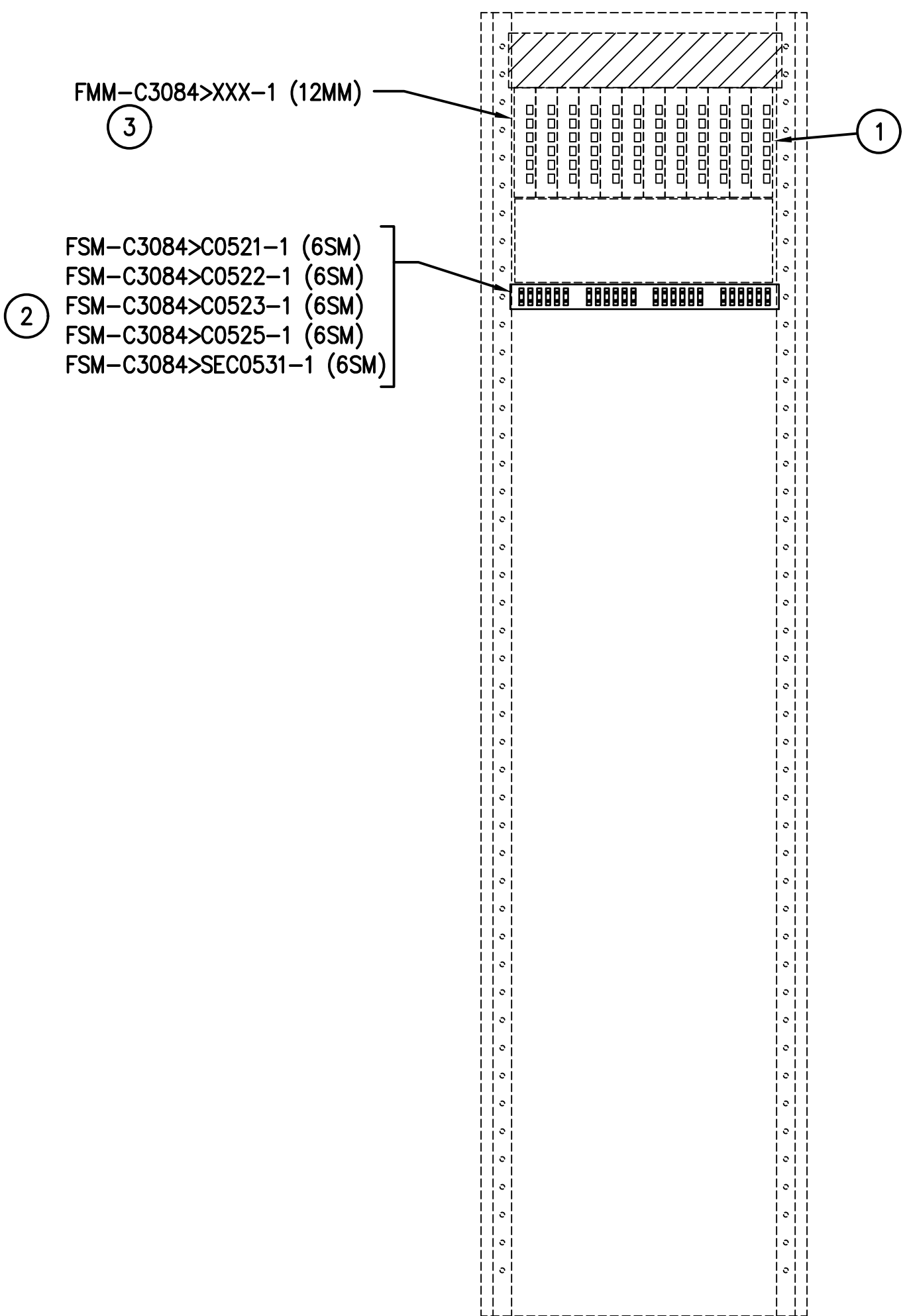
2 ENLARGED PLAN IDF-C3084T ROOM  
SCALE: 1/4" = 1'-0"



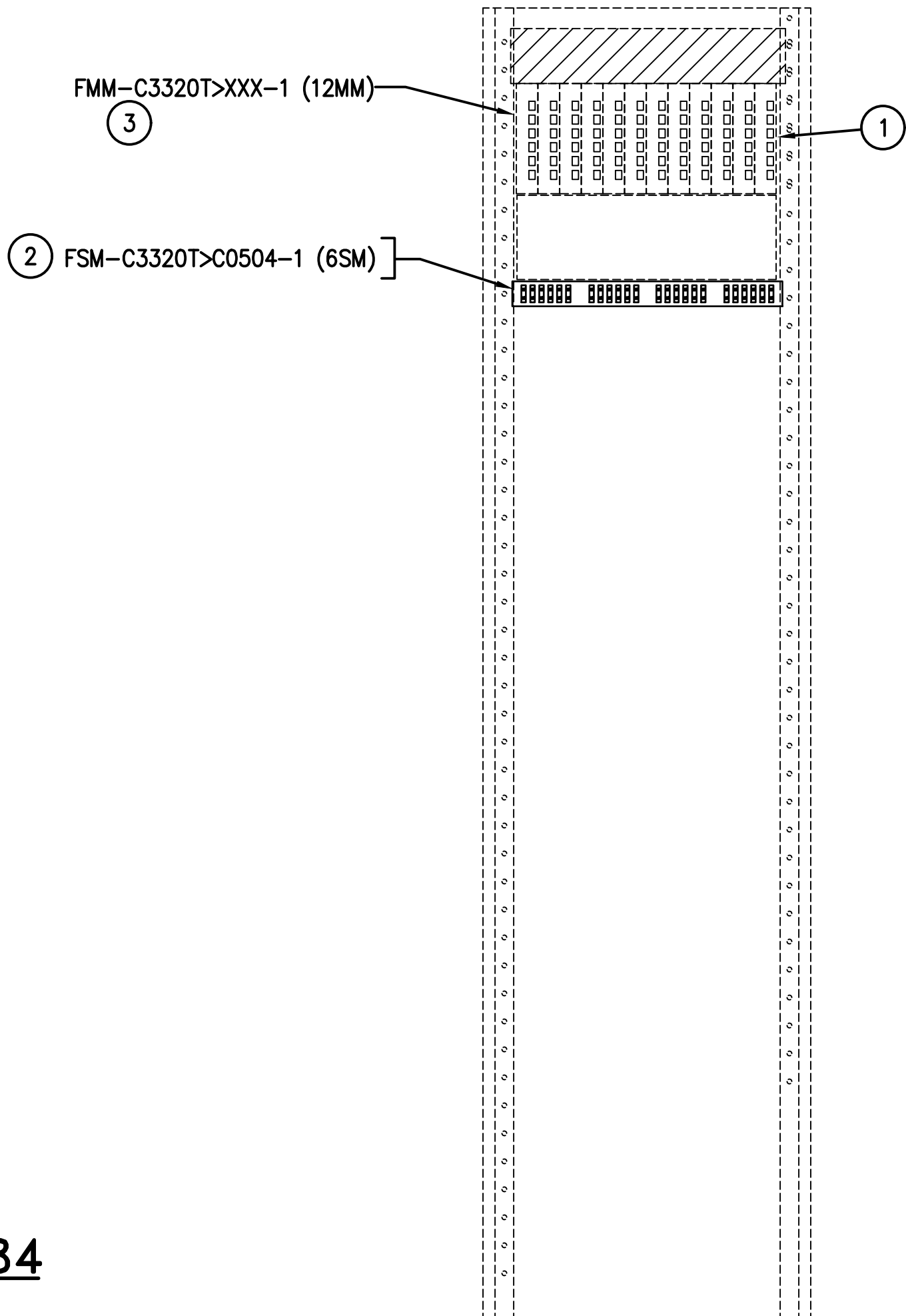
2 ENLARGED PLAN IDF-C3320T ROOM  
SCALE: 1/4" = 1'-0"



1A RACK ELEVATION - IDF-C1016T  
SCALE: N.T.S.



2A RACK ELEVATION - IDF-C3084  
SCALE: N.T.S.



3A RACK ELEVATION - IDF-C3320T  
SCALE: N.T.S.

GENERAL NOTES:

- COORDINATE ALL IDF ROOM WORK WITH HAS IT GROUP. PROVIDE MINIMUM 30 DAYS NOTICE PRIOR TO WORK IN IDF ROOM.
- REFER TO 100 SERIES DRAWINGS FOR IDF ROOM LOCATION.

KEYED NOTES:

- EXISTING COMMScope 72 PORT LST FIBER SHELF WITH ST CONNECTORS SHOWN FOR REFERENCE ONLY.
- PROVIDE NEW SYSTIMAX 360 IPATCH G2 LC 48 PORT FIBER PATCH PANEL. FIELD VERIFY EXACT LOCATION WITH HAS IT GROUP. TERMINATE NEW FIBER CABLE NOTED. PROVIDE FIBER PATCH CORDS AS REQUIRED TO EXTEND NEW CIRCUITS TO MDF-A ROOM.
- EXISTING FIBER CONNECTIONS SHOWN FOR REFERENCE ONLY.



REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C-GARAGE IDF ENLARGED PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



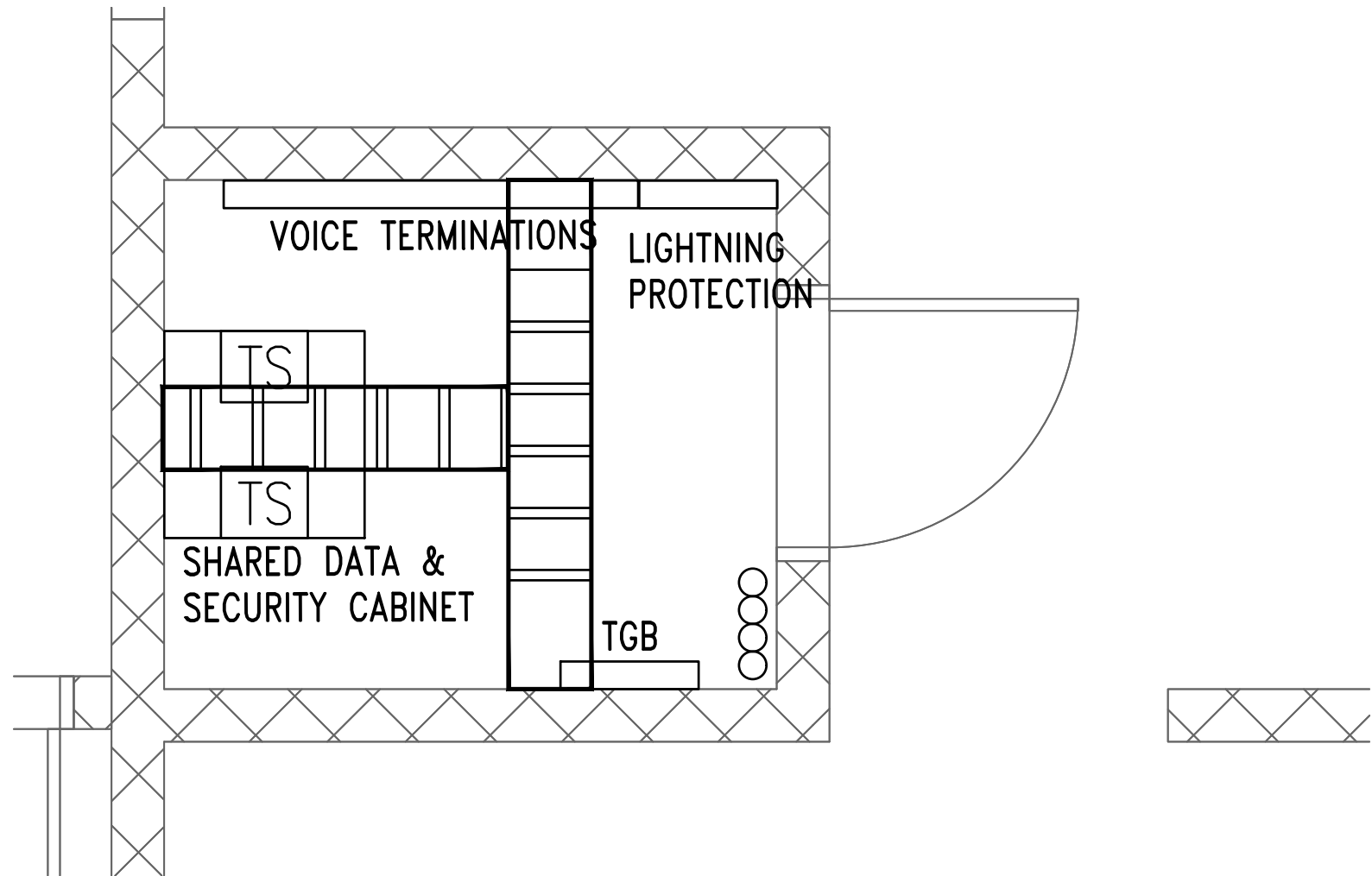
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

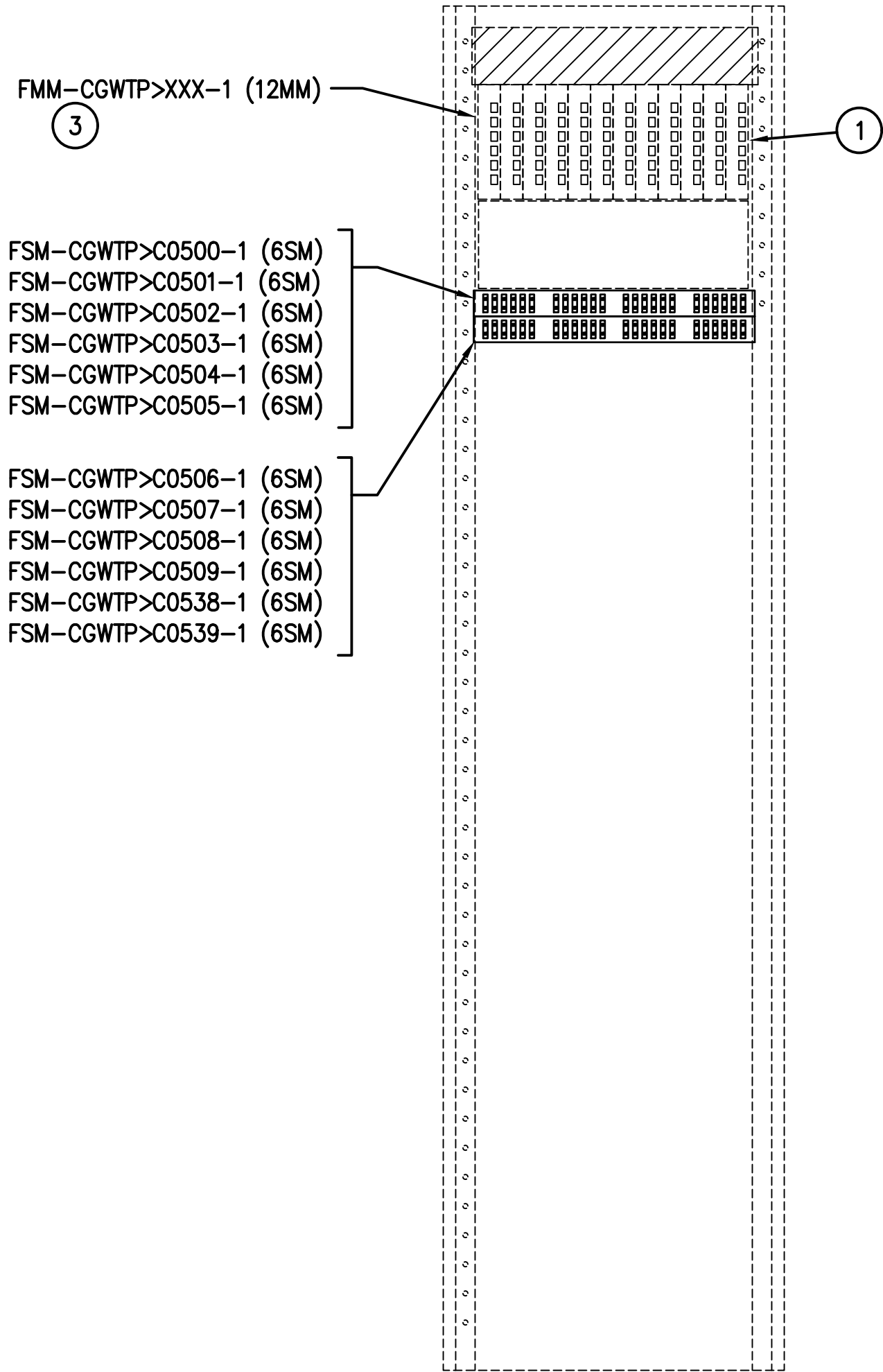
PROJECT NO.  
067810800  
C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.





1 IDF-CGWTP ENLARGED PLAN  
SCALE: 1/4" = 1'-0"



RACK 1

1A RACK ELEVATION – IDF-CGWTP  
SCALE: N.T.S.

GENERAL NOTES:

- COORDINATE ALL IDF ROOM WORK WITH HAS IT GROUP. PROVIDE MINIMUM 30 DAYS NOTICE PRIOR TO WORK IN IDF ROOM.
- REFER TO 100 SERIES DRAWINGS FOR IDF ROOM LOCATION.

KEYED NOTES:

- EXISTING COMMSCOPE 72 PORT LST FIBER SHELF WITH ST CONNECTORS SHOWN FOR REFERENCE ONLY.
- PROVIDE NEW SYSTIMAX 360 IPATCH G2 LC 48 PORT FIBER PATCH PANEL. FIELD VERIFY EXACT LOCATION WITH HAS IT GROUP. TERMINATE NEW FIBER CABLE NOTED. PROVIDE FIBER PATCH CORDS AS REQUIRED TO EXTEND NEW CIRCUITS TO MDF-A ROOM.
- EXISTING FIBER CONNECTIONS SHOWN FOR REFERENCE ONLY.

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

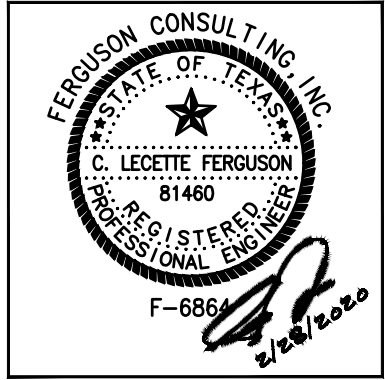
**Kimley-Horn**  
KIMLEY-HORN ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TSPC FIRM REGISTRATION # 028  
WWW.KIMLEY-HORN.COM

**Ferguson Consulting**  
FERGUSON CONSULTING, INC.  
10000 ROCKWELL AVE., SUITE 100  
HOUSTON, TEXAS 77036  
(281) 260-1000 FAX (281) 260-1004

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C-GARAGE IDF ENLARGED PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.



REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE-RISER DIAGRAM

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



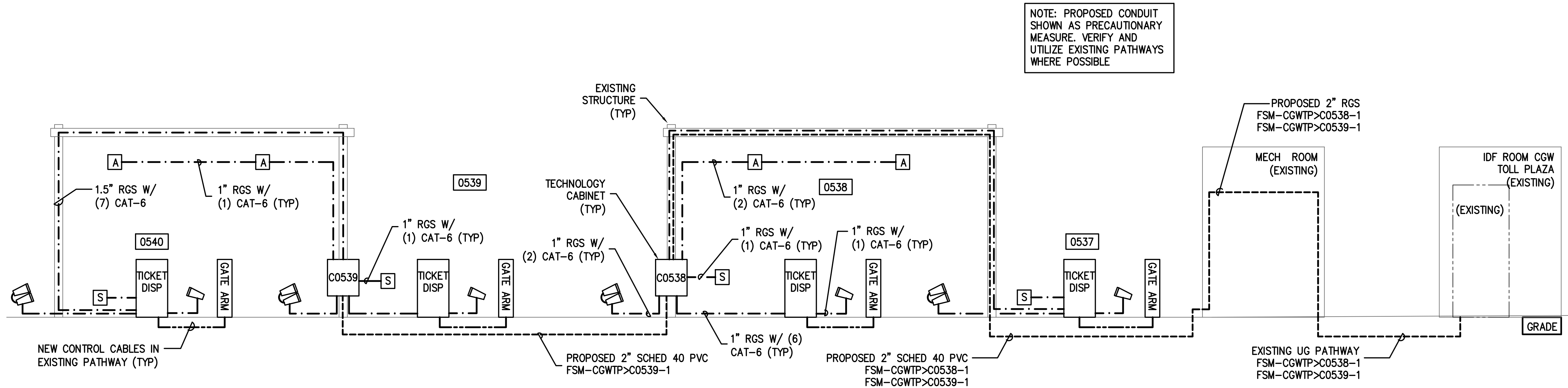
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

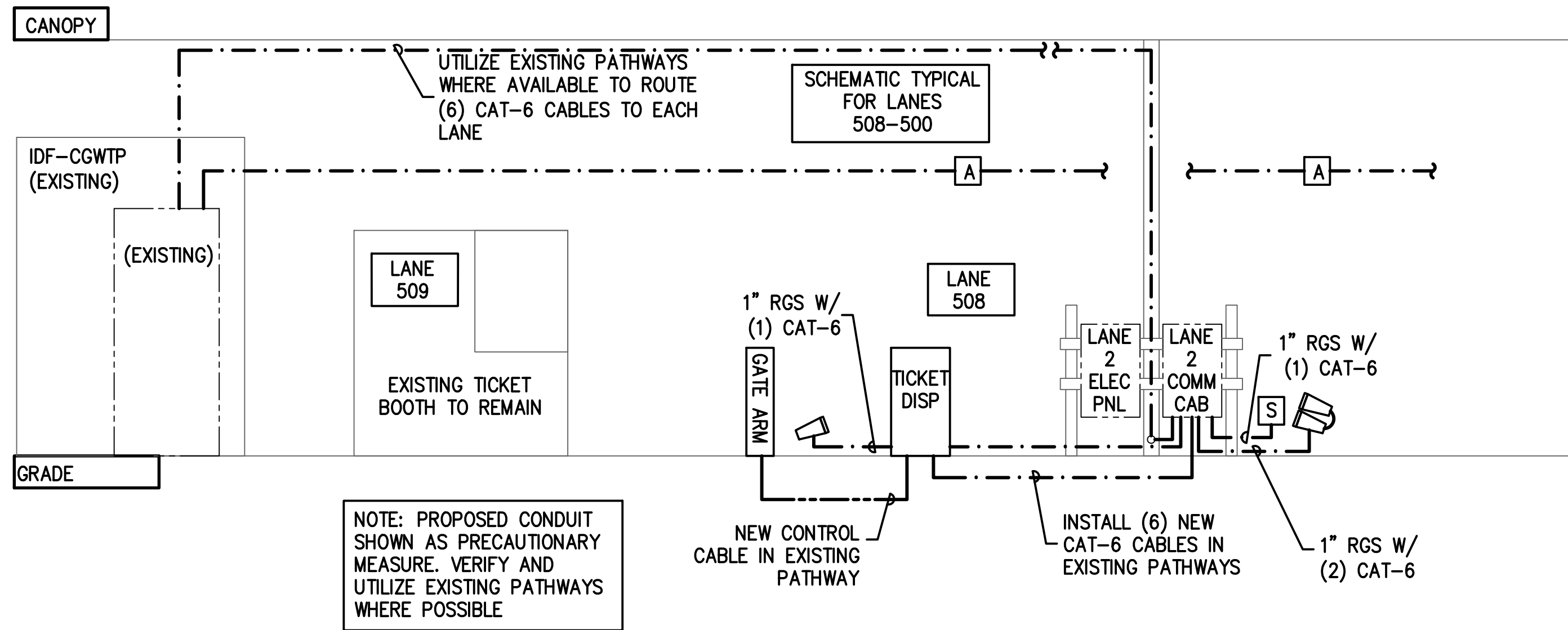
PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

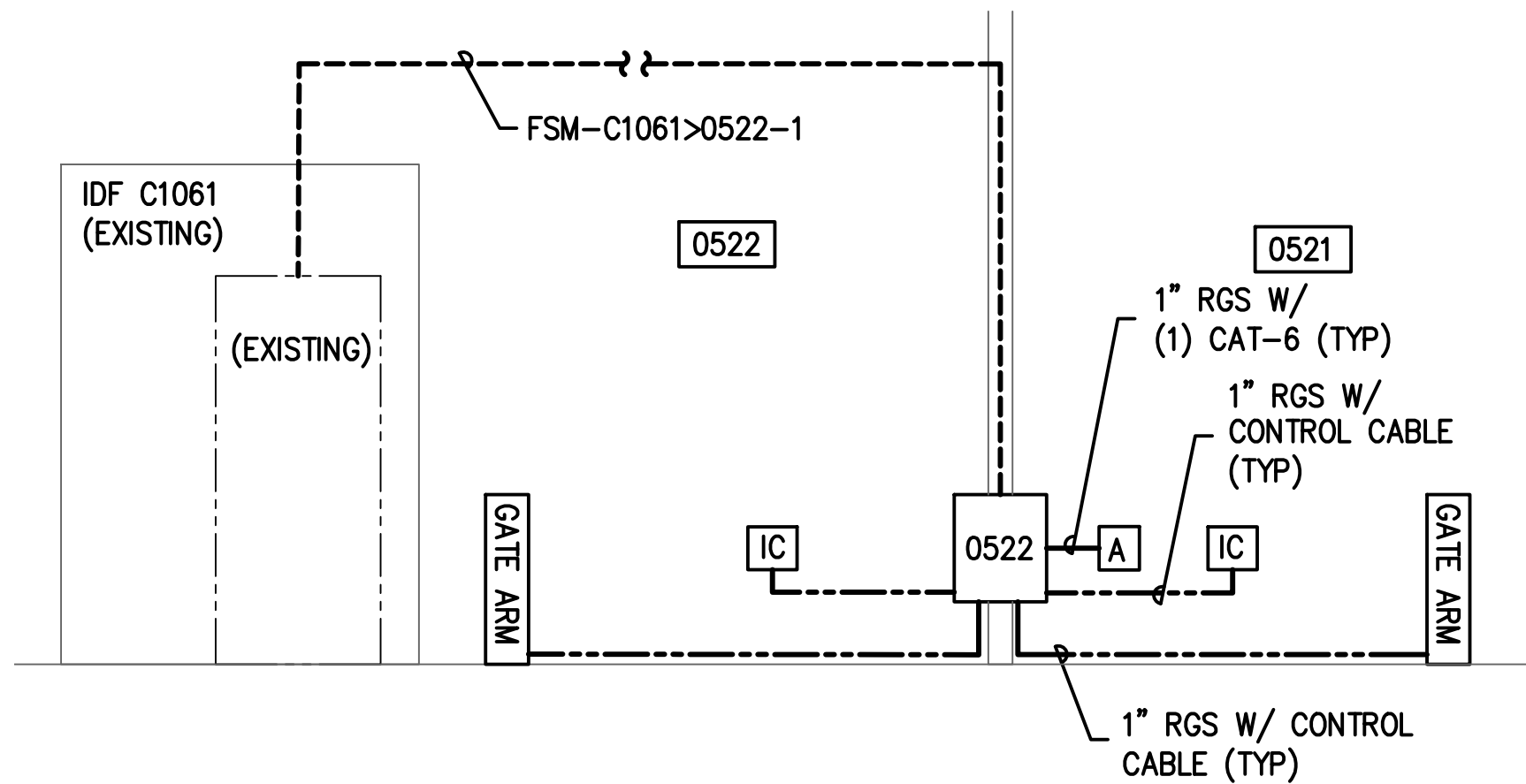
1T5-301



**1 C WEST GARAGE (BROWN) ENTRY LANES-RISER DIAGRAM**  
SCALE: NTS



**2 C WEST GARAGE (BROWN) EXIT LANES-RISER DIAGRAM**  
SCALE: NTS

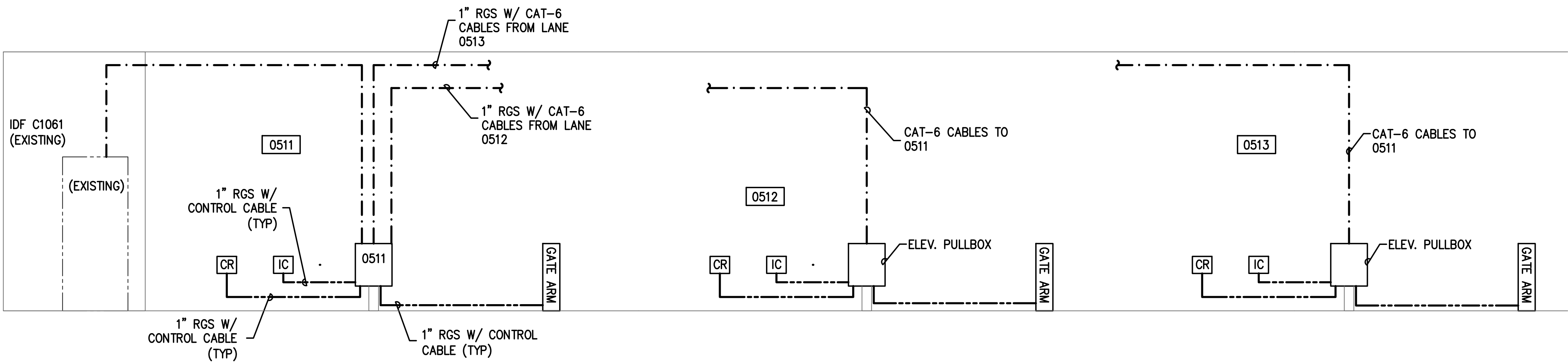


**3 C GARAGE CONTRACT ENTRY/EXIT-RISER DIAGRAM**  
SCALE: NTS

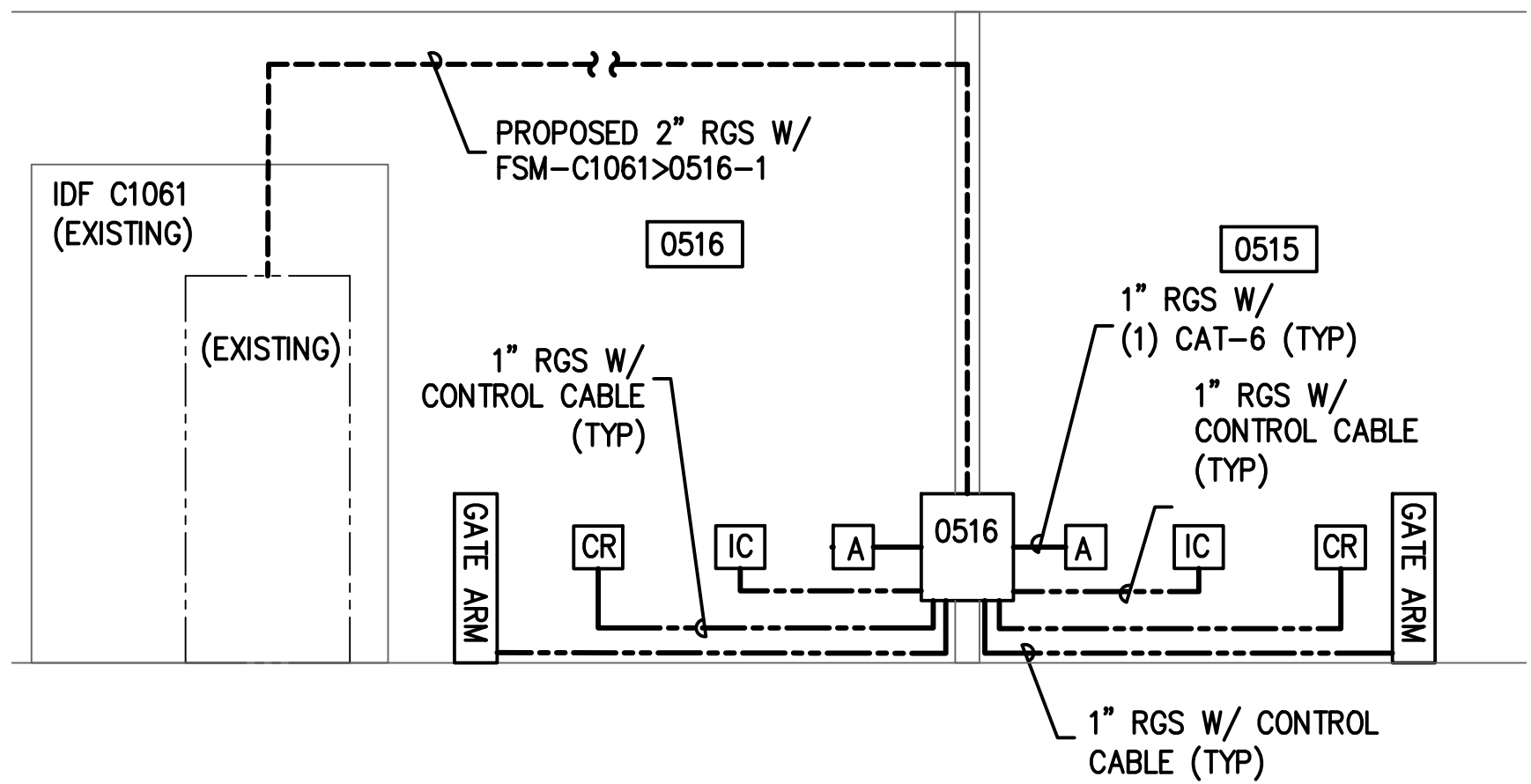








**1 C WEST (BROWN) GARAGE LEVEL 1 EXECUTIVE ENTRY AND EXITS**  
SCALE: NTS



**2 C GARAGE LIMO ENTRY/EXIT-RISER DIAGRAM**  
SCALE: NTS

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE-RISER DIAGRAM

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T5-303















REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE-DETAILS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



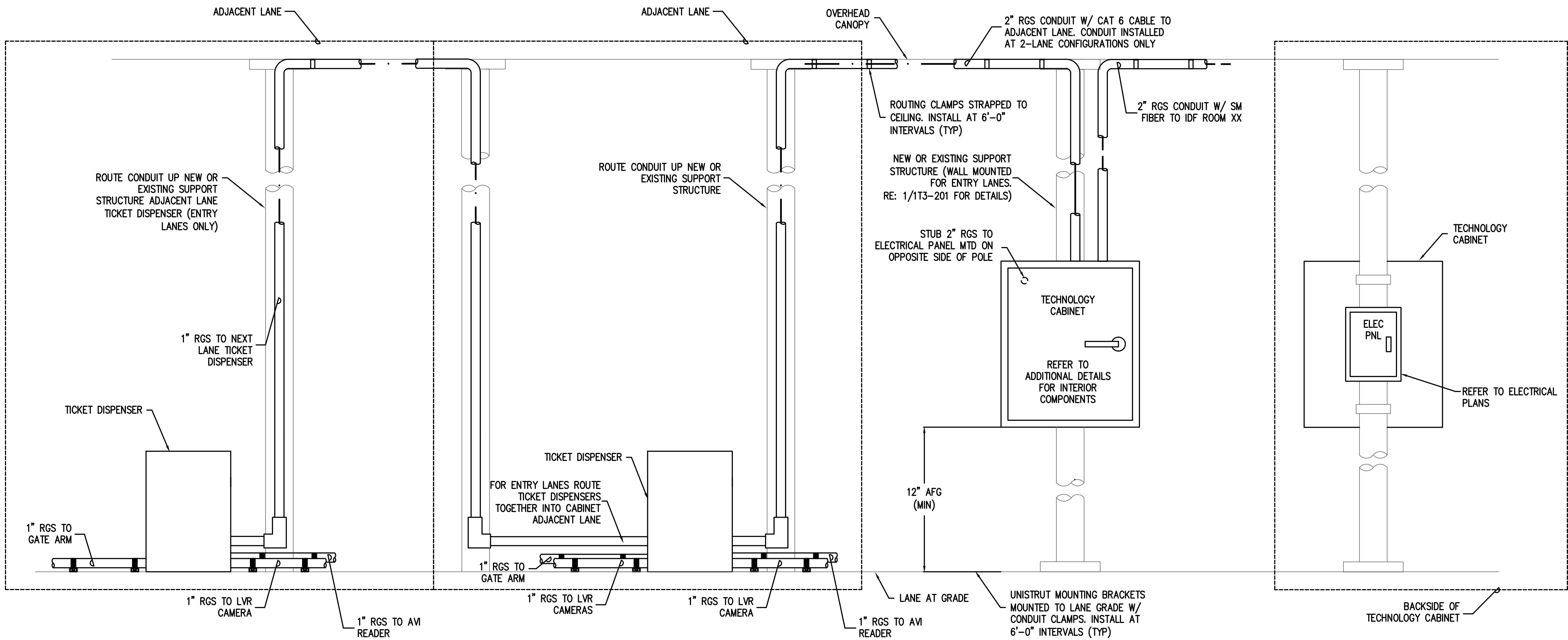
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

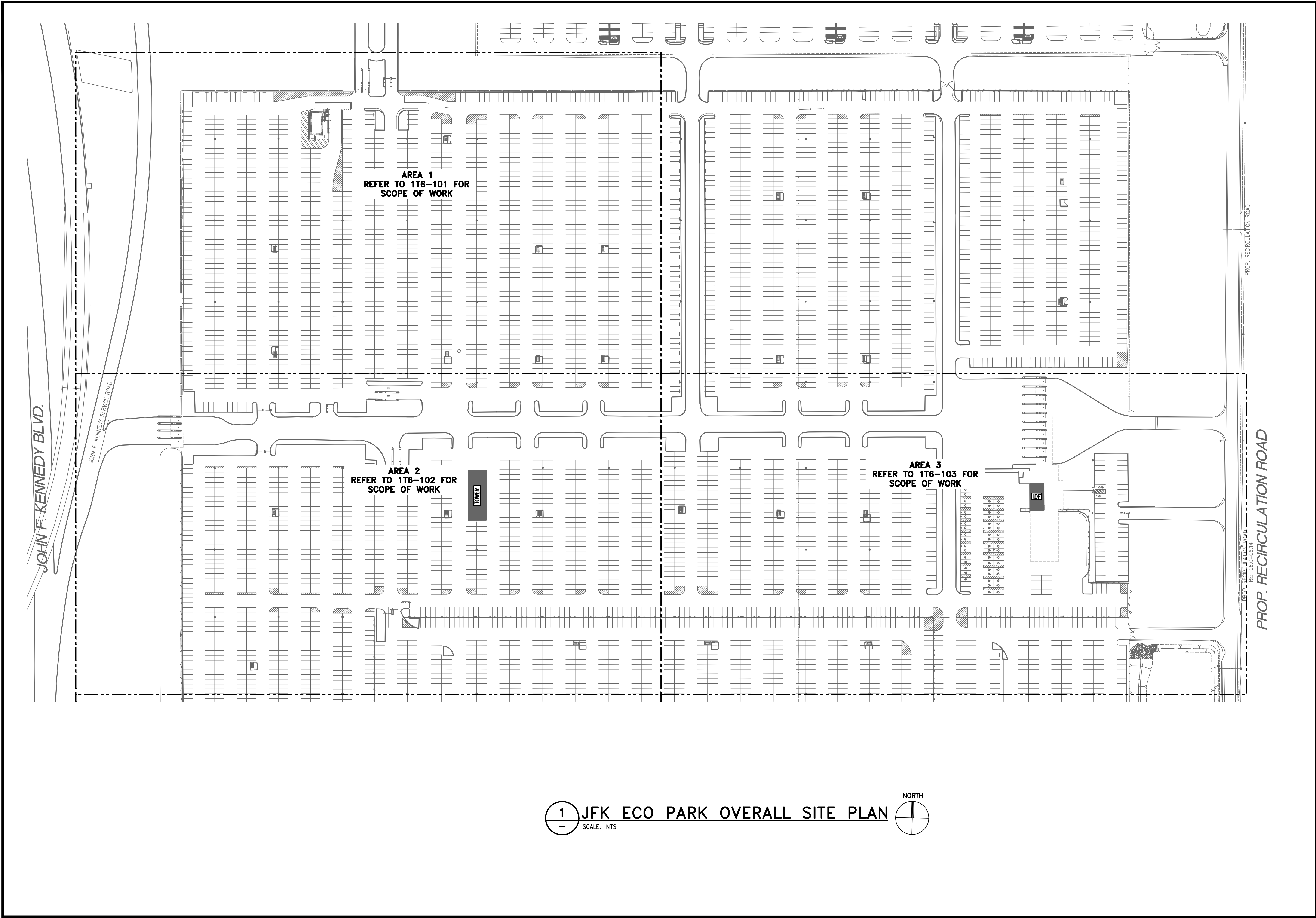
1T5-402



**1** TECHNOLOGY ENCLOSURE MOUNTING DETAIL (BROWN ENTRY)  
SCALE: NTS

NOTE: SIZE AND QTY OF CONDUIT CONNECTIONS TO TECHNOLOGY CABINETS VARY. REFER TO 1T5-300 SERIES FOR EXACT QTY AND SIZES FOR EACH PARTICULAR CABINET







**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS



**Kimley-Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
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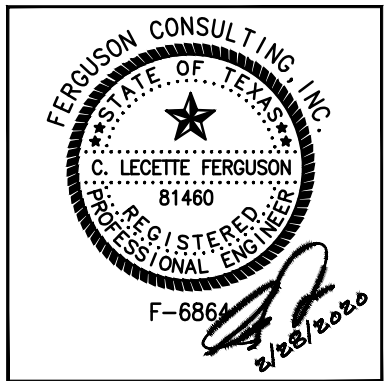
**Ferguson Consulting**  
Consultants in Consulting, Engineering, and  
Environmental Planning  
FERGUSON CONSULTING, INC.  
1500 WOODLAND BLVD., SUITE 400  
THE WOODLANDS, TEXAS 77380  
(281) 475-2816 FAX: (281) 475-2814

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)

JFK ECOPARK OVERALL SITE PLAN

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

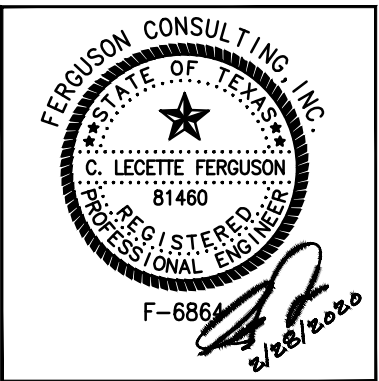
1T6-100



REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
JFK ECO PARK AREA 1

PROJECT MGR: LF  
DESIGNER: PM  
DRAWN BY: FR  
CHECKED BY: LF  
SCALE: AS SHOWN  
DATE: 2/28/2020



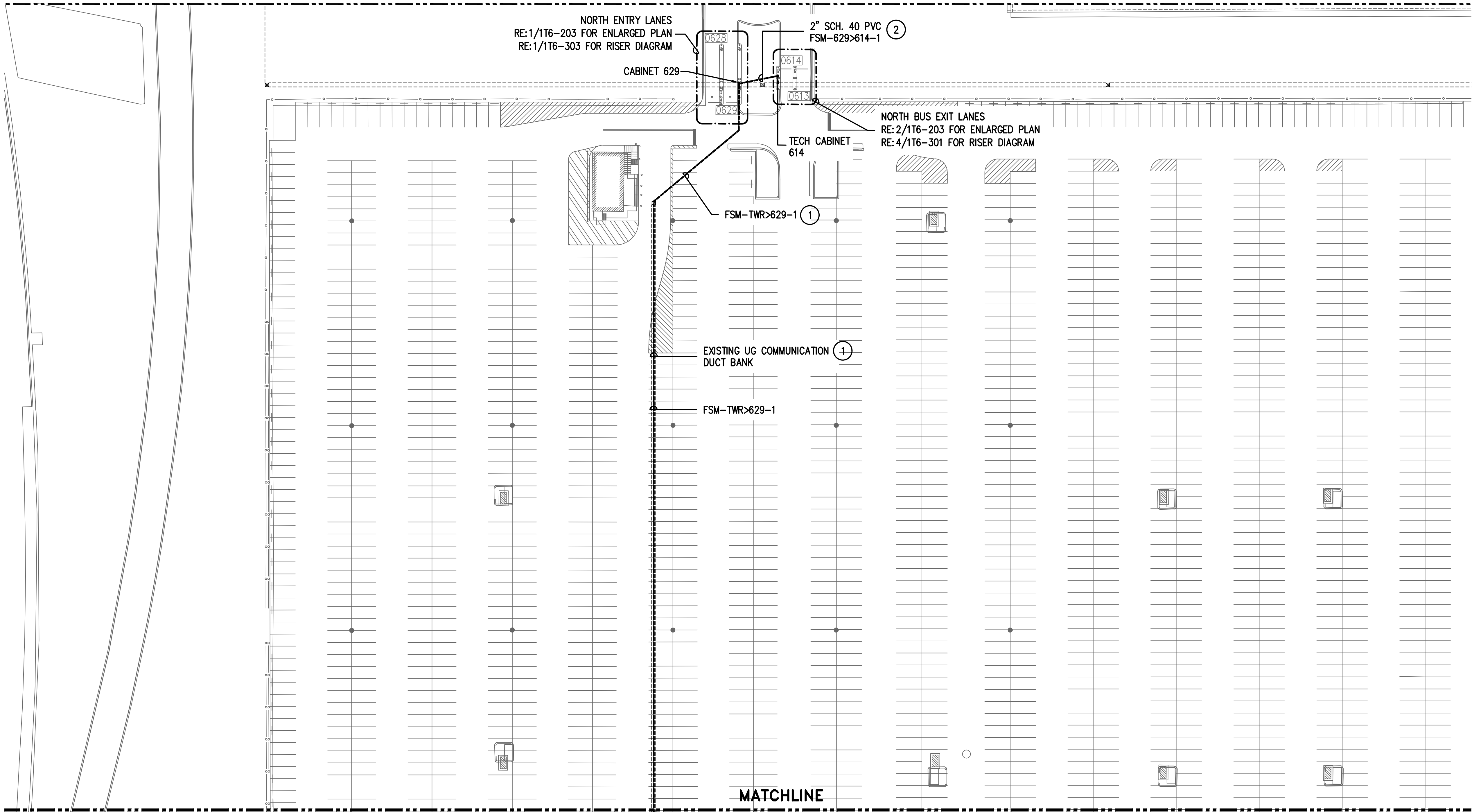
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T6-101



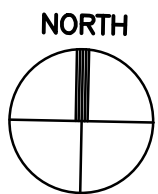
**GENERAL NOTES:**

1. FIELD COORDINATE ALL CONDUIT PATHWAYS WITH EXISTING STRUCTURE AND UTILITIES. WHERE CONDUIT IS RUN OVERHEAD ROUTE CONDUIT AS HIGH AS POSSIBLE. CONTRACTOR HAS THE OPTION TO UTILIZE EXISTING PATHWAYS WHERE AVAILABLE
2. FOLLOW HOUSTON AIRPORT SYSTEM (HAS) TELECOM STANDARDS AND PRACTICES
3. EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
4. PROPOSED EQUIPMENT LOCATIONS ARE CONCEPTUAL. INSTALL EQUIPMENT AS SITE CONDITIONS REQUIRE AND AS APPROVED BY OWNER
5. REFER TO 1TX-200 DRAWING SERIES FOR ENLARGED LANE PLANS

**KEYED NOTES:**

1. INSTALL NEW CABLES USING EXISTING AVAILABLE PATHWAY. FOR EMPTY 4" C DUCTS, PROVIDE 3 PACKS OF 3"-3CELL MAXCELL. EACH CABLE SHOULD BE INSTALLED IN AN INDIVIDUAL CELL
2. INSTALL NEW UG PATHWAY. FIELD VERIFY EXACT ROUTE

**JFK ECO ECO PARK AREA 1**  
SCALE: 1" = 500'

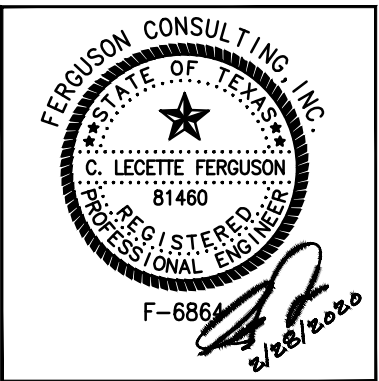




REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
%%UJFK ECO ECO PARK AREA 2

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



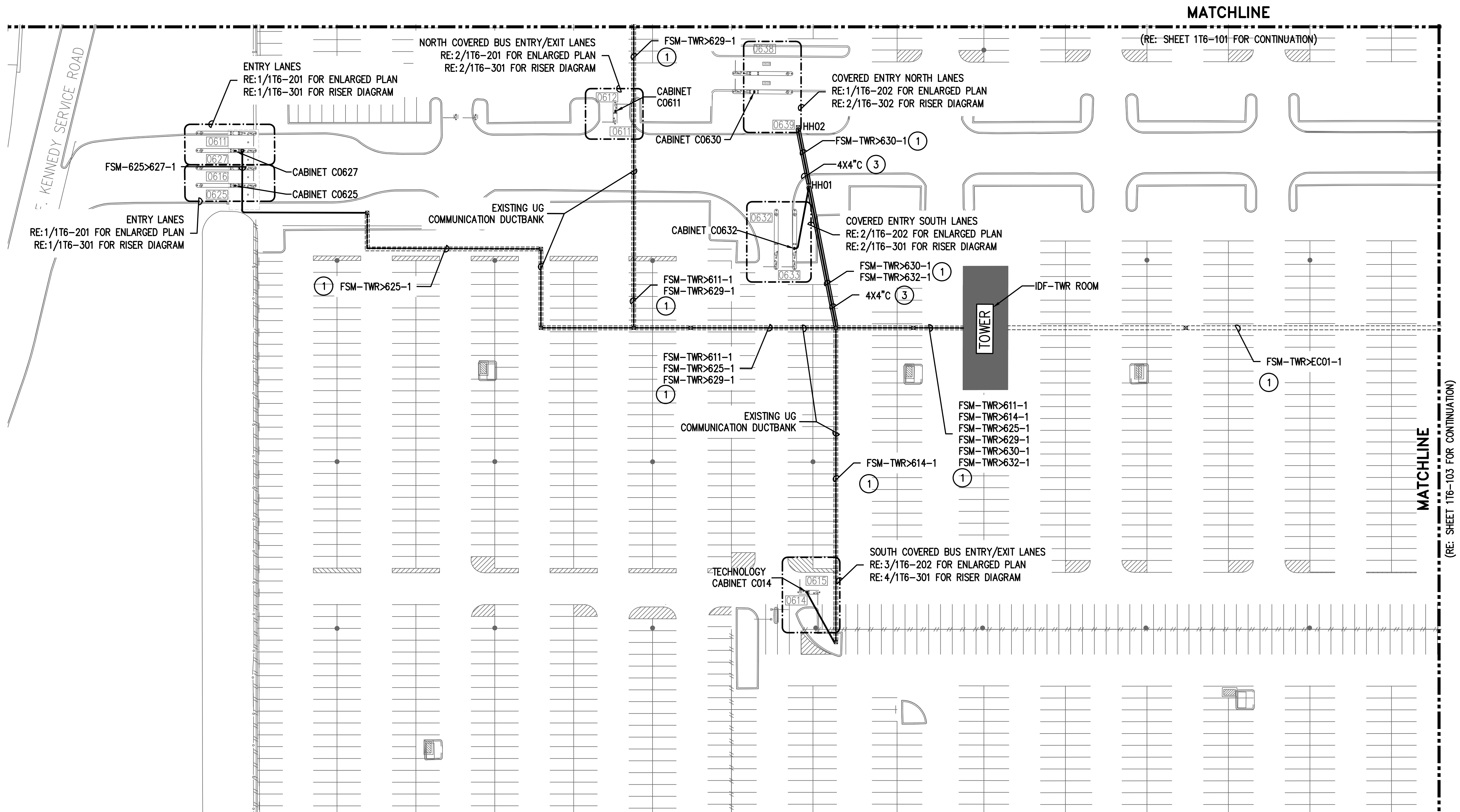
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T6-102



**GENERAL NOTES:**

1. FIELD COORDINATE ALL CONDUIT PATHWAYS WITH EXISTING STRUCTURE AND UTILITIES. WHERE CONDUIT IS RUN OVERHEAD ROUTE CONDUIT AS HIGH AS POSSIBLE. CONTRACTOR HAS THE OPTION TO UTILIZE EXISTING PATHWAYS WHERE AVAILABLE
2. FOLLOW HOUSTON AIRPORT SYSTEM (HAS) TELECOM STANDARDS AND PRACTICES
3. EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
4. PROPOSED EQUIPMENT LOCATIONS ARE CONCEPTUAL. INSTALL EQUIPMENT AS SITE CONDITIONS REQUIRE AND AS APPROVED BY OWNER
5. REFER TO 1TX-200 DRAWING SERIES FOR ENLARGED LANE PLANS

**KEYED NOTES:**

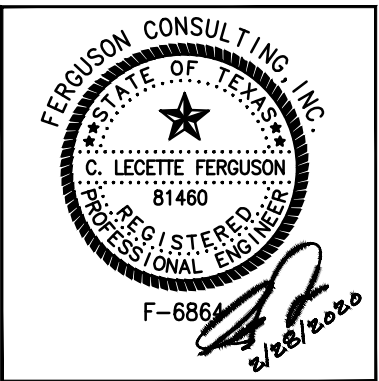
1. INSTALL NEW CABLES USING EXISTING AVAILABLE PATHWAY. FOR EMPTY 4"C DUCTS, PROVIDE 3 PACKS OF 3"-3CELL MAXCELL. EACH CABLE SHOULD BE INSTALLED IN AN INDIVIDUAL CELL
2. PROVIDE NEW 4'X4'X4' HANDHOLE.
3. DIRECTIONAL DRILL NEW DUCTS AS NOTED.



REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
%%UJFK ECO ECO PARK AREA 3

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



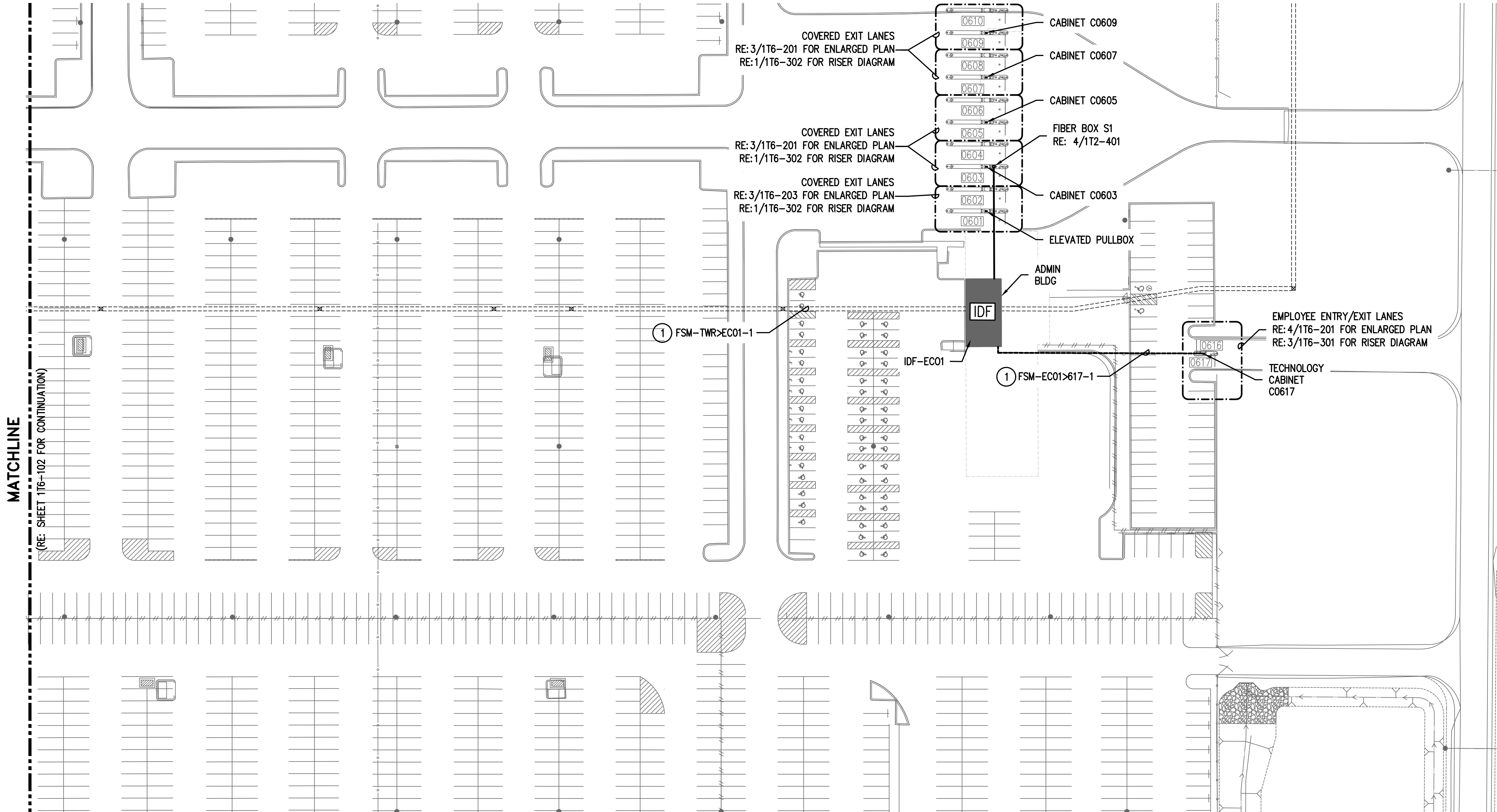
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T6-103



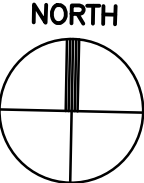
**GENERAL NOTES:**

1. FIELD COORDINATE ALL CONDUIT PATHWAYS WITH EXISTING STRUCTURE AND UTILITIES. WHERE CONDUIT IS RUN OVERHEAD ROUTE CONDUIT AS HIGH AS POSSIBLE. CONTRACTOR HAS THE OPTION TO UTILIZE EXISTING PATHWAYS WHERE AVAILABLE
2. FOLLOW HOUSTON AIRPORT SYSTEM (HAS) TELECOM STANDARDS AND PRACTICES
3. EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
4. PROPOSED EQUIPMENT LOCATIONS ARE CONCEPTUAL. INSTALL EQUIPMENT AS SITE CONDITIONS REQUIRE AND AS APPROVED BY OWNER
5. REFER TO 1TX-200 DRAWING SERIES FOR ENLARGED LANE PLANS

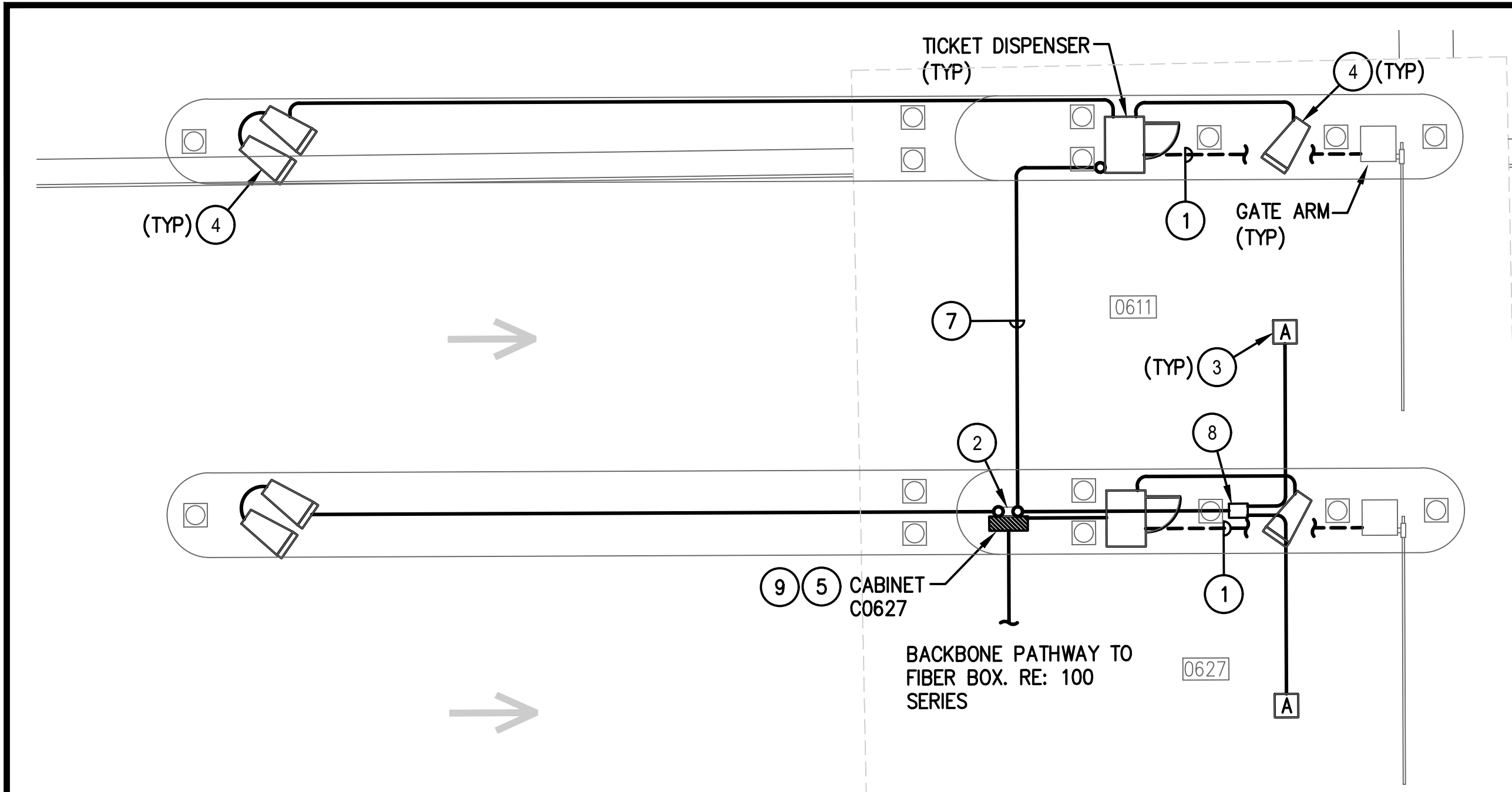
**KEYED NOTES:**

1. INSTALL NEW CABLES USING EXISTING AVAILABLE PATHWAY. FOR EMPTY 4" C DUCTS, PROVIDE 3 PACKS OF 3"-3CELL MAXCELL. EACH CABLE SHOULD BE INSTALLED IN AN INDIVIDUAL CELL
2. INSTALL NEW UG PATHWAY. FIELD VERIFY EXACT ROUTE

**1 JFK ECO ECO PARK AREA 3**  
SCALE: 1" = 500'

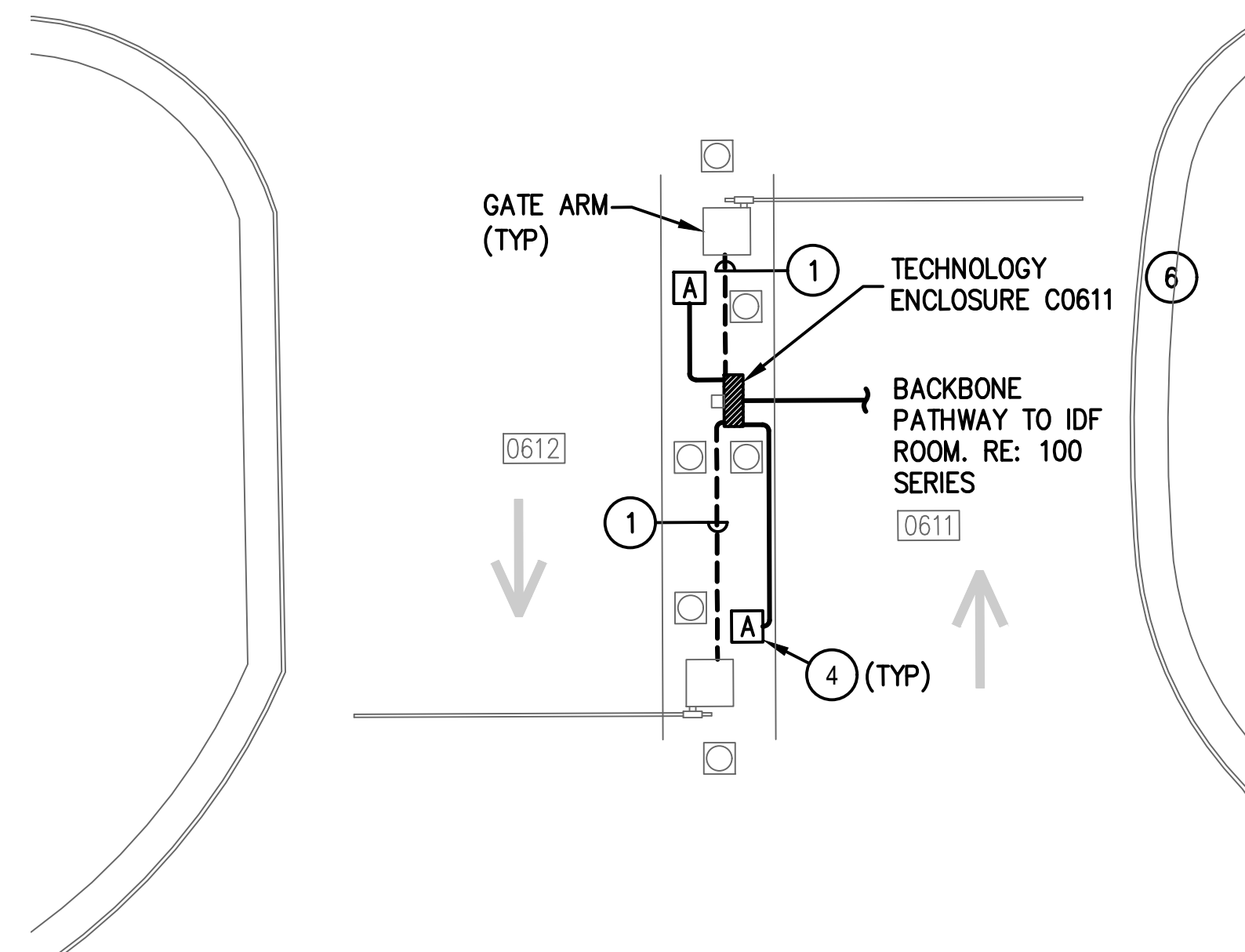




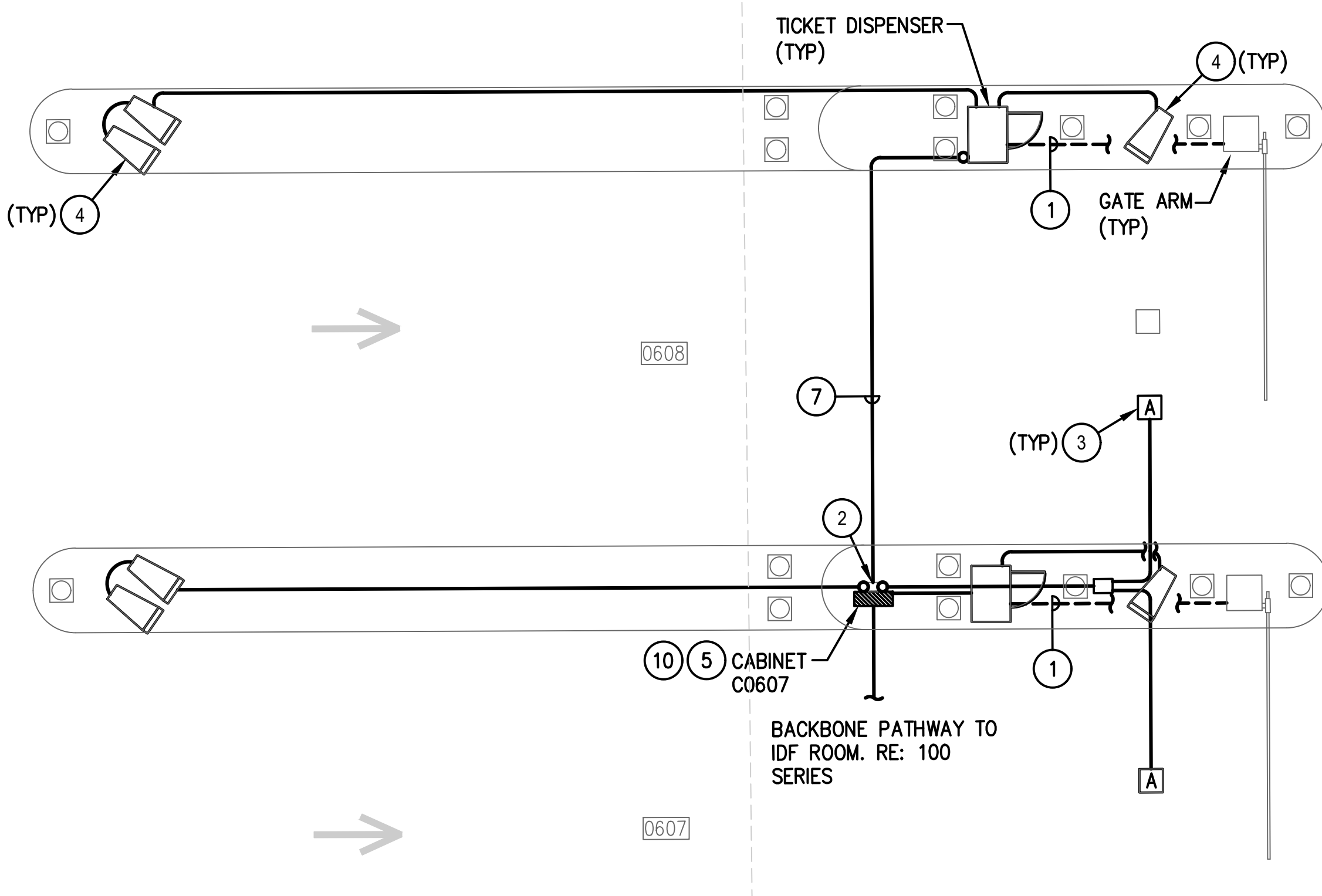


**1 ENTRY LANES - ENLARGED PLAN**  
SCALE: 1/4" = 1'-0"

\* TYPICAL FOR LANES  
0611/0627, AND  
0616/0625

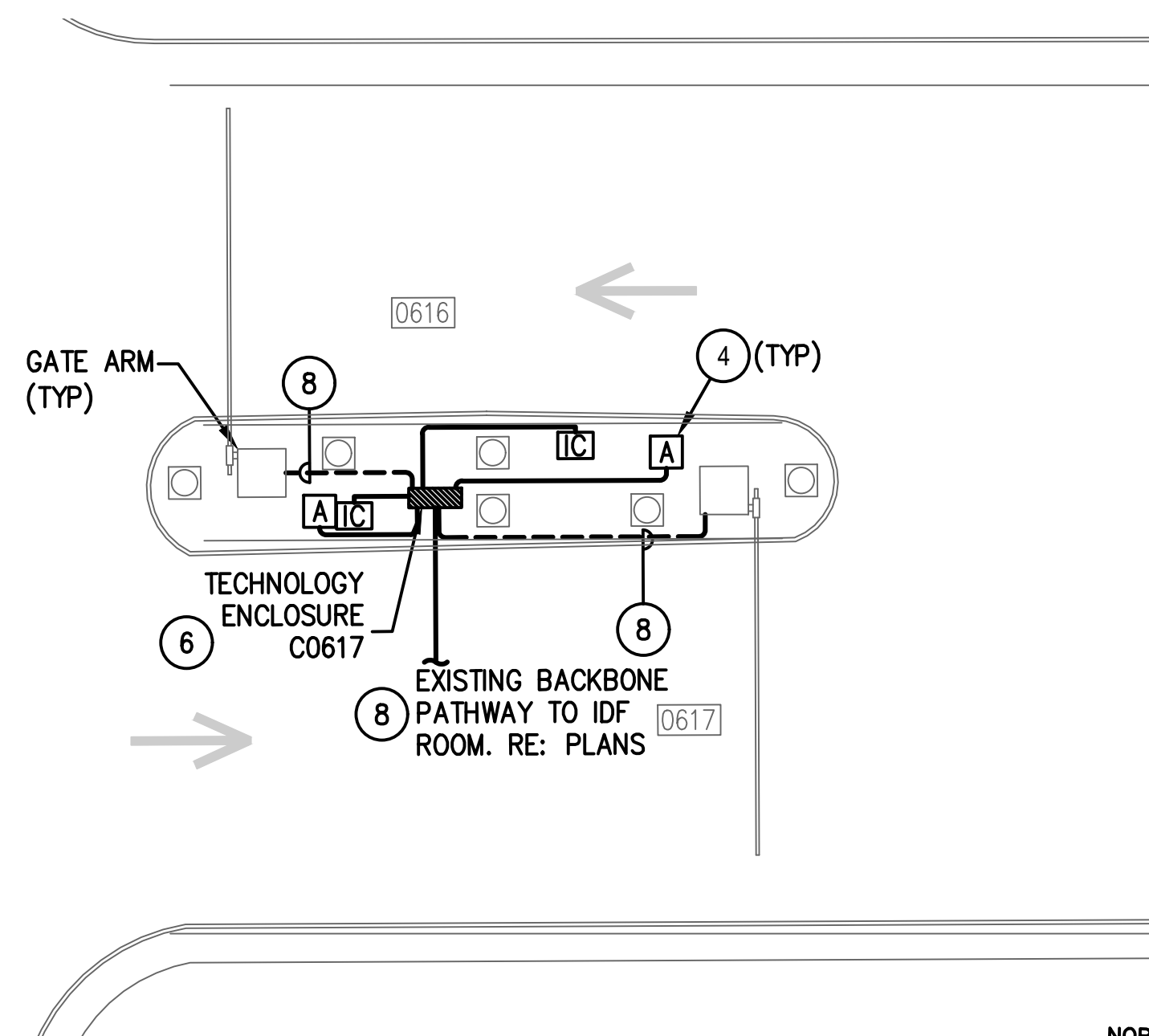


**2 NORTH COVERED BUS ENTRY/EXIT - ENLARGED PLAN**  
SCALE: 1/4" = 1'-0"



**3 EMPLOYEE ENTRY/EXIT - ENLARGED PLAN**  
SCALE: 1/4" = 1'-0"

\* TYPICAL FOR LANES  
0610/0609, 0608/0607,  
0606/0605, AND  
0604/0603



**4 EMPLOYEE ENTRY/EXIT - ENLARGED PLAN**  
SCALE: 1/4" = 1'-0"

#### GENERAL NOTES:

- EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
- REFER TO 1TX-300 SERIES FOR RISER DIAGRAMS, CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1TX-400 SERIES FOR EQUIPMENT DETAILS. REFER TO OTX-400 FOR TYPICAL EQUIPMENT DETAILS
- REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION
- FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED
- ALL CONDUIT SHALL BE FURNISHED AND INSTALLED UNDER DIV. 26, BUT SHALL FOLLOW DIV. 27 INSTALLATION REQUIREMENTS
- COORDINATE ALL IDF ROOM WORK WITH RESPECTIVE OWNERS IT GROUP. PROVIDE A MINIMUM OF 30 DAYS NOTICE BEFORE WORKING IN ANY EXISTING IDF ROOM. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS TO BE MET BEFORE TURNING ANY NEW IDF ROOM OVER TO RESPECTIVE OWNER

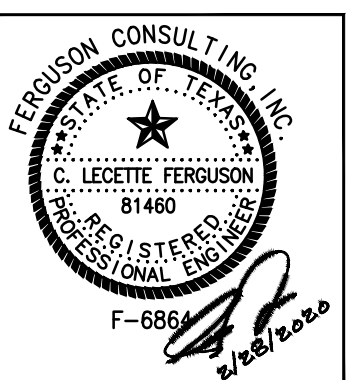
#### KEYED NOTES:

- UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- STEEL POST FROM GRADE TO BOTTOM OF OVERHEAD CANOPY FOR SUPPORT OF CONDUIT. REFER TO ELECTRICAL PLANS.
- MOUNT IN CEILING STRUCTURE.
- MOUNT ON PEDESTAL. REFER TO OT0-402 FOR MOUNTING DETAILS.
- PROVIDE 2-LANE TECHNOLOGY ENCLOSURE. REFER TO OT0-401. REFER TO PLANS FOR ENCLOSURE ID'S.
- PROVIDE 1-LANE TECHNOLOGY ENCLOSURE. REFER TO OT0-401. REFER TO PLANS FOR ENCLOSURE ID'S.
- EXTEND ALL CAT6 NETWORK CABLES TO TECHNOLOGY CABINET FOR TERMINATION. SIZE CONDUIT FOLLOWING TABLE ON OT0-001.
- EXISTING PATHWAY. REMOVE EXISTING CABLES AND INSTALL NEW CABLES USING EXISTING PATHWAY.
- CABINET ID SHOWN FOR LANE 0611/0627 CONFIGURATION. REFER TO 1T6-102 FOR CORRECT CABINET ID FOR ALTERNATE LANES.
- CABINET ID SHOWN FOR LANE 0607/0608 CONFIGURATION. REFER TO 1T6-103 FOR CORRECT CABINET ID FOR ALTERNATE LANES.

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
JFK ECO PARK ENLARGED PLAN

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



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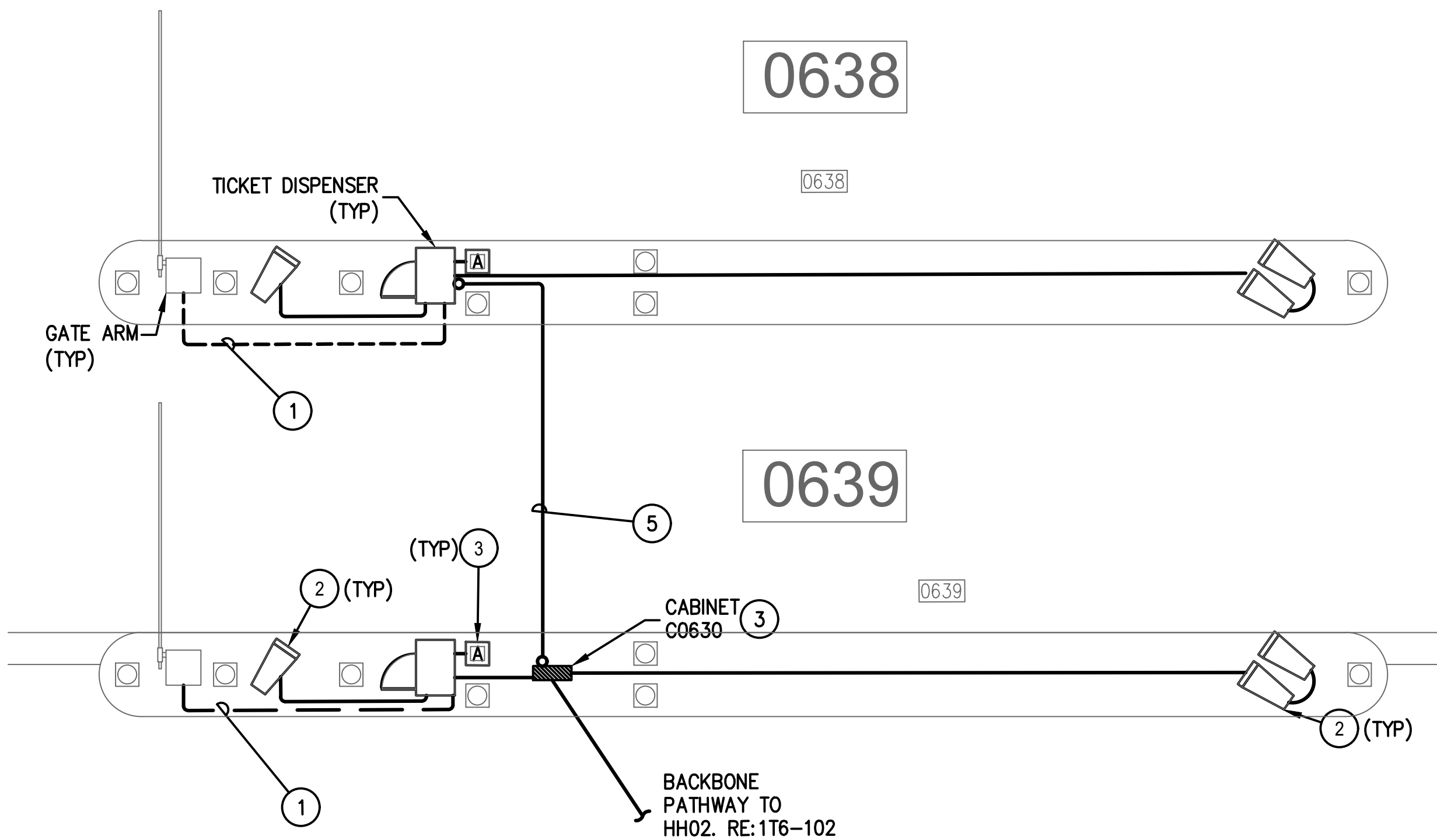
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

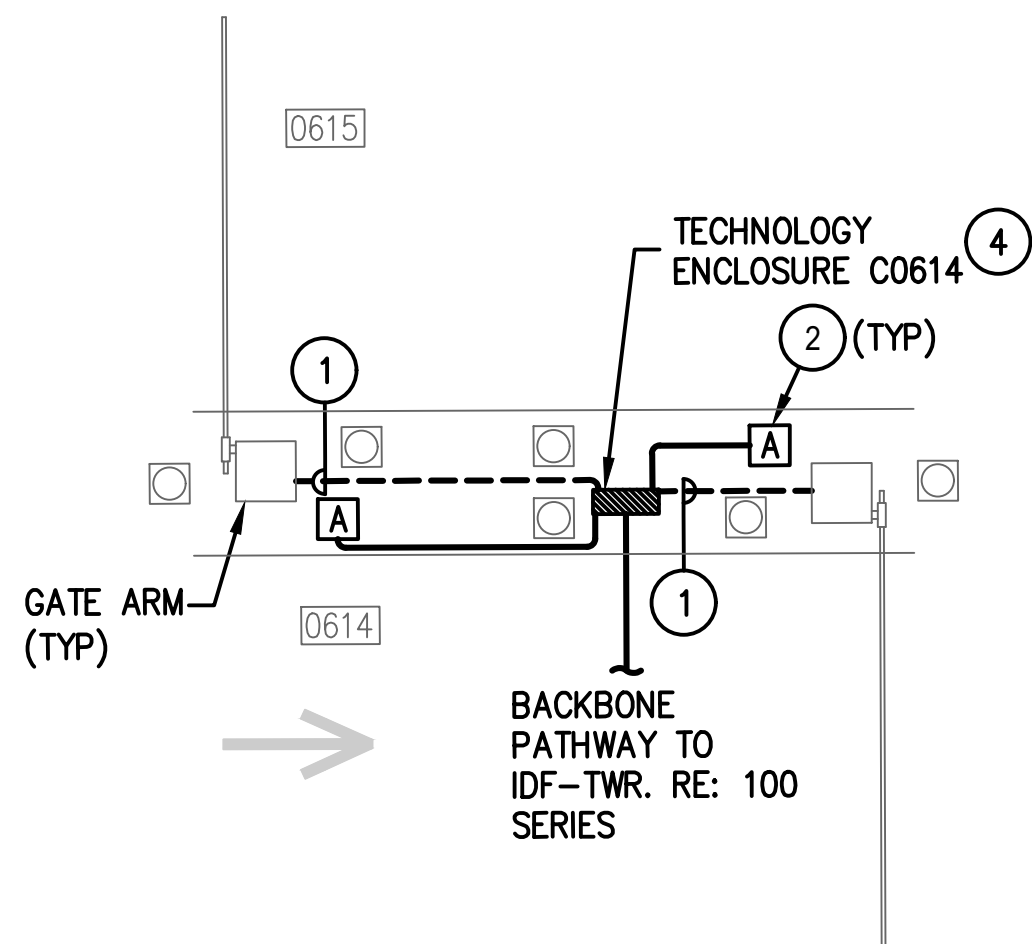
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**PN HKE-PARCS-2020-003**  
SHEET NO.

1T6-201

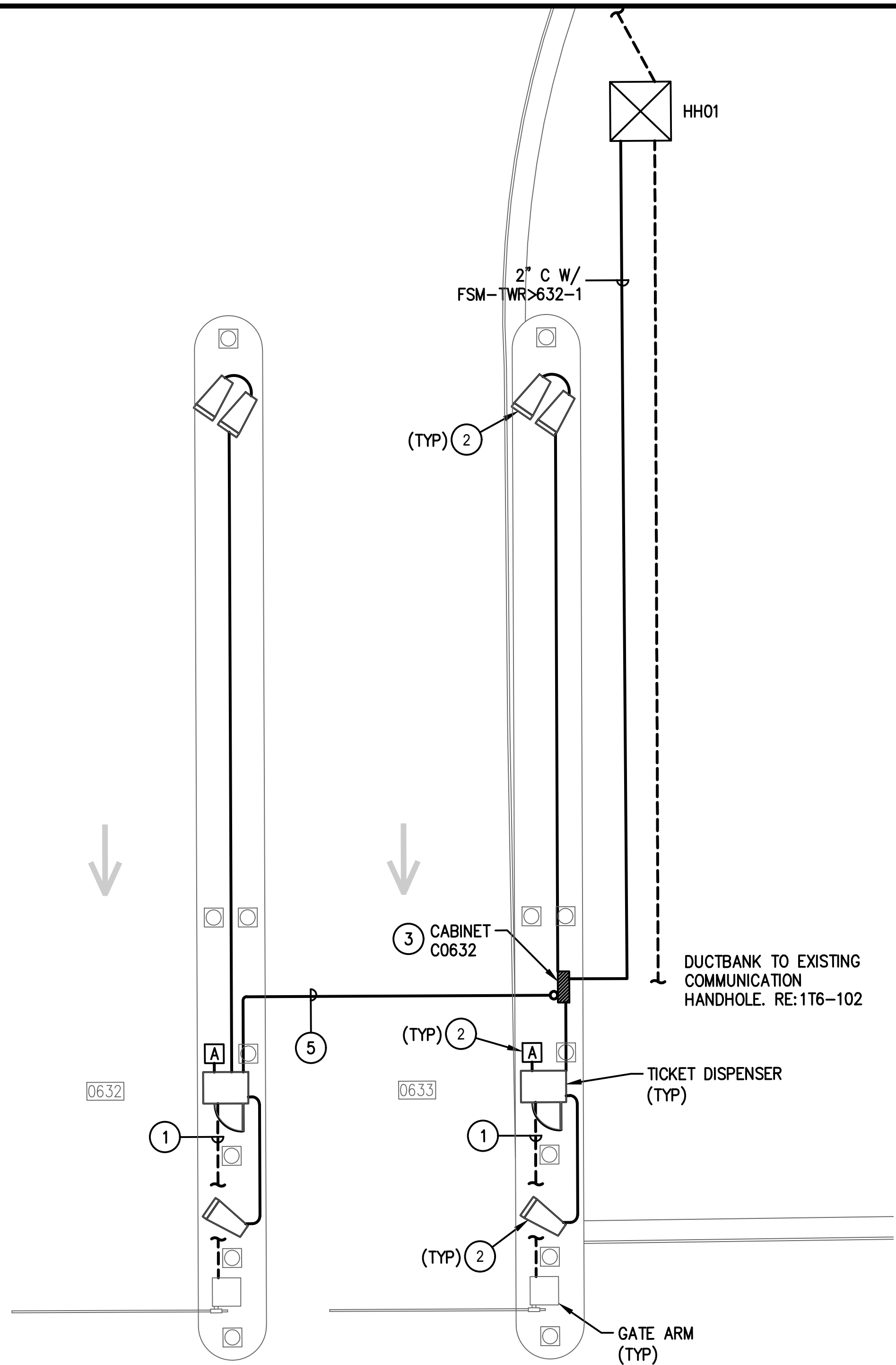




**1 COVERED ENTRY NORTH – ENLARGED PLAN**  
SCALE: 1/4" = 1'-0"



**3 SOUTH COVERED BUS ENTRY/EXIT – ENLARGED PLAN**  
SCALE: 1/4" = 1'-0"



**2 COVERED ENTRY SOUTH – ENLARGED PLAN**  
SCALE: 1/4" = 1'-0"

### GENERAL NOTES:

- EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
- REFER TO 1TX-300 SERIES FOR RISER DIAGRAMS, CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1TX-400 SERIES FOR EQUIPMENT DETAILS. REFER TO OTX-400 FOR TYPICAL EQUIPMENT DETAILS
- REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION
- FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED
- ALL CONDUIT SHALL BE FURNISHED AND INSTALLED UNDER DIV. 26, BUT SHALL FOLLOW DIV. 27 INSTALLATION REQUIREMENTS
- COORDINATE ALL IDF ROOM WORK WITH RESPECTIVE OWNERS IT GROUP. PROVIDE A MINIMUM OF 30 DAYS NOTICE BEFORE WORKING IN ANY EXISTING IDF ROOM. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS TO BE MET BEFORE TURNING ANY NEW IDF ROOM OVER TO RESPECTIVE OWNER

### KEYED NOTES:

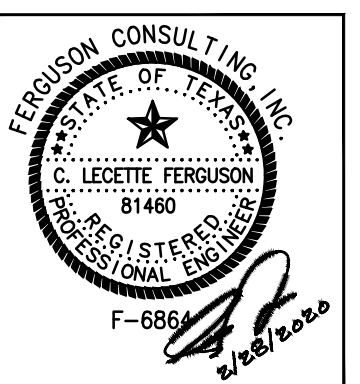
- UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- MOUNT ON PEDESTAL. REFER TO OT0-402 FOR MOUNTING DETAILS.
- PROVIDE 2-LANE TECHNOLOGY ENCLOSURE. REFER TO OT0-401. REFER TO PLANS FOR ENCLOSURE ID'S.
- PROVIDE 1-LANE TECHNOLOGY ENCLOSURE. REFER TO OT0-401. REFER TO PLANS FOR ENCLOSURE ID'S.
- EXTEND ALL CAT6 NETWORK CABLES TO TECHNOLOGY CABINET FOR TERMINATION. SIZE CONDUIT FOLLOWING TABLE ON OT0-001.



REVISIONS		
NO.	DESCRIPTION	DATE

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
JFK ECO PARK ENLARGED PLAN

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

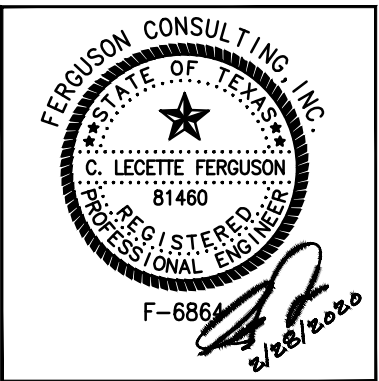
1T6-202



REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
JFK ECO PARK ENLARGED PLAN

PROJECT MGR:	LF
DESIGNER:	PM
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APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.	067810800
C.I.P. NO.	
H.A.S. NO.	
PN HKE-PARCS-2020-003	
SHEET NO.	

GENERAL NOTES:

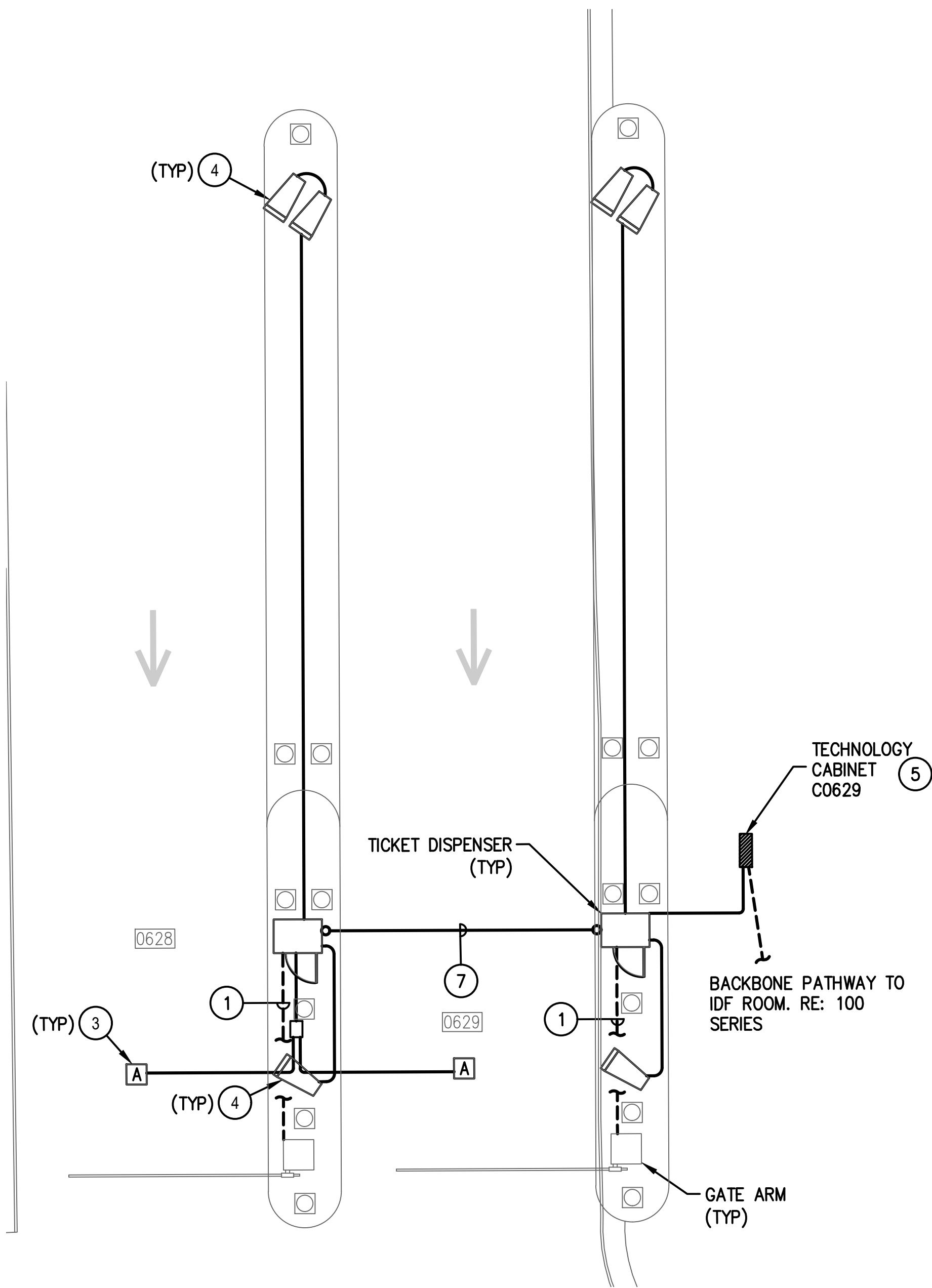
- EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
- REFER TO 1TX-300 SERIES FOR RISER DIAGRAMS, CONDUIT AND CABLES SIZES & QUANTITIES
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- REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION
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- ALL CONDUIT SHALL BE FURNISHED AND INSTALLED UNDER DIV. 26, BUT SHALL FOLLOW DIV. 27 INSTALLATION REQUIREMENTS
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8

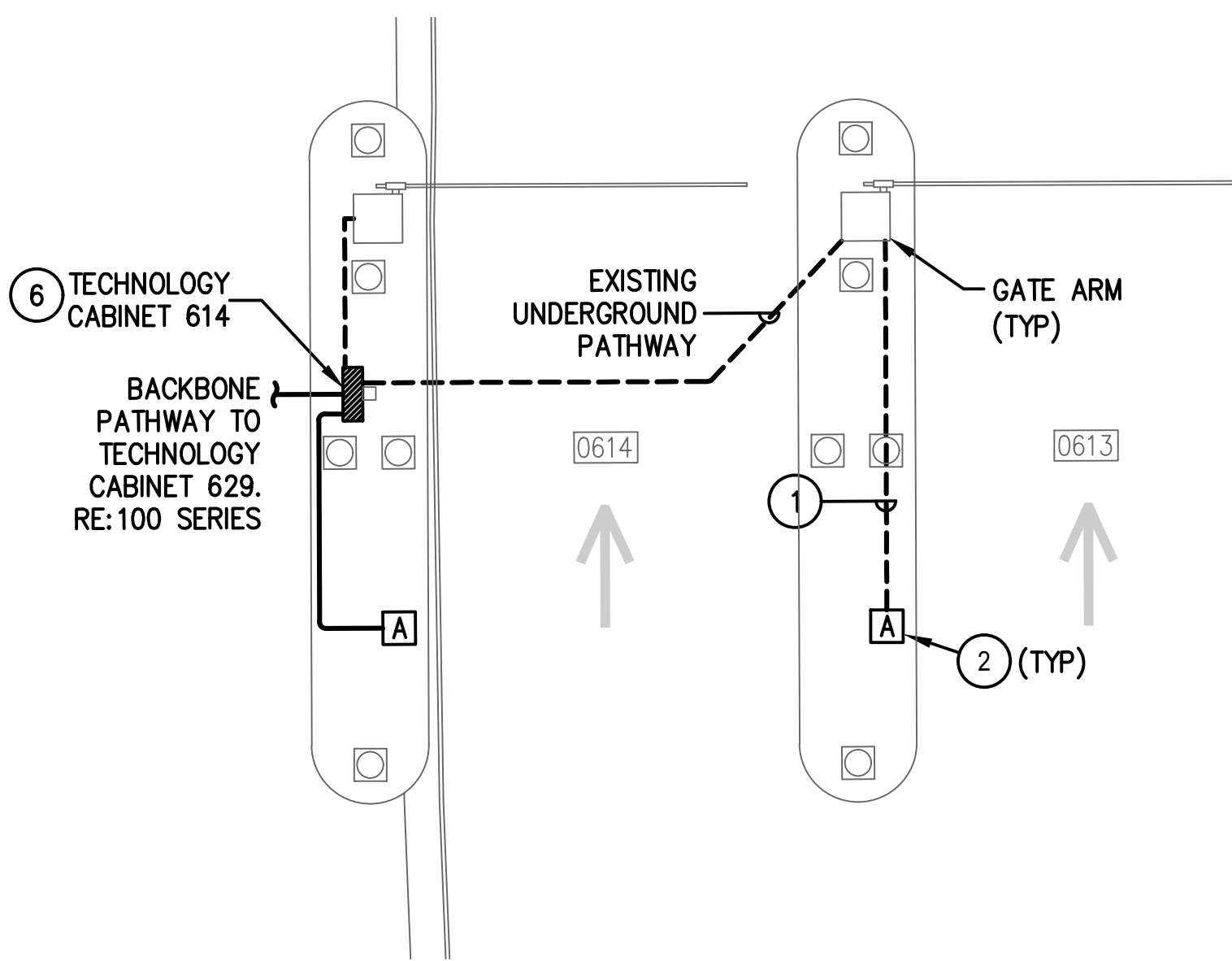
KEYED NOTES:

- UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- MOUNT ON EXISTING POLE. REFER TO OT0-402 FOR MOUNTING DETAILS.
- MOUNT IN CEILING STRUCTURE.
- MOUNT ON PEDESTAL. REFER TO OT0-402 FOR MOUNTING DETAILS.
- PROVIDE 2-LANE TECHNOLOGY ENCLOSURE. REFER TO OT0-401. REFER TO PLANS FOR ENCLOSURE ID'S.
- REMOVE EXISTING LOW VOLTAGE ENCLOSURE. INSTALL NEW 1 LANE TECHNOLOGY ENCLOSURE ON EXISTING RACK.
- EXTEND ALL CAT6 NETWORK CABLES TO TECHNOLOGY CABINET FOR TERMINATION. SIZE CONDUIT FOLLOWING TABLE ON OT0-001.

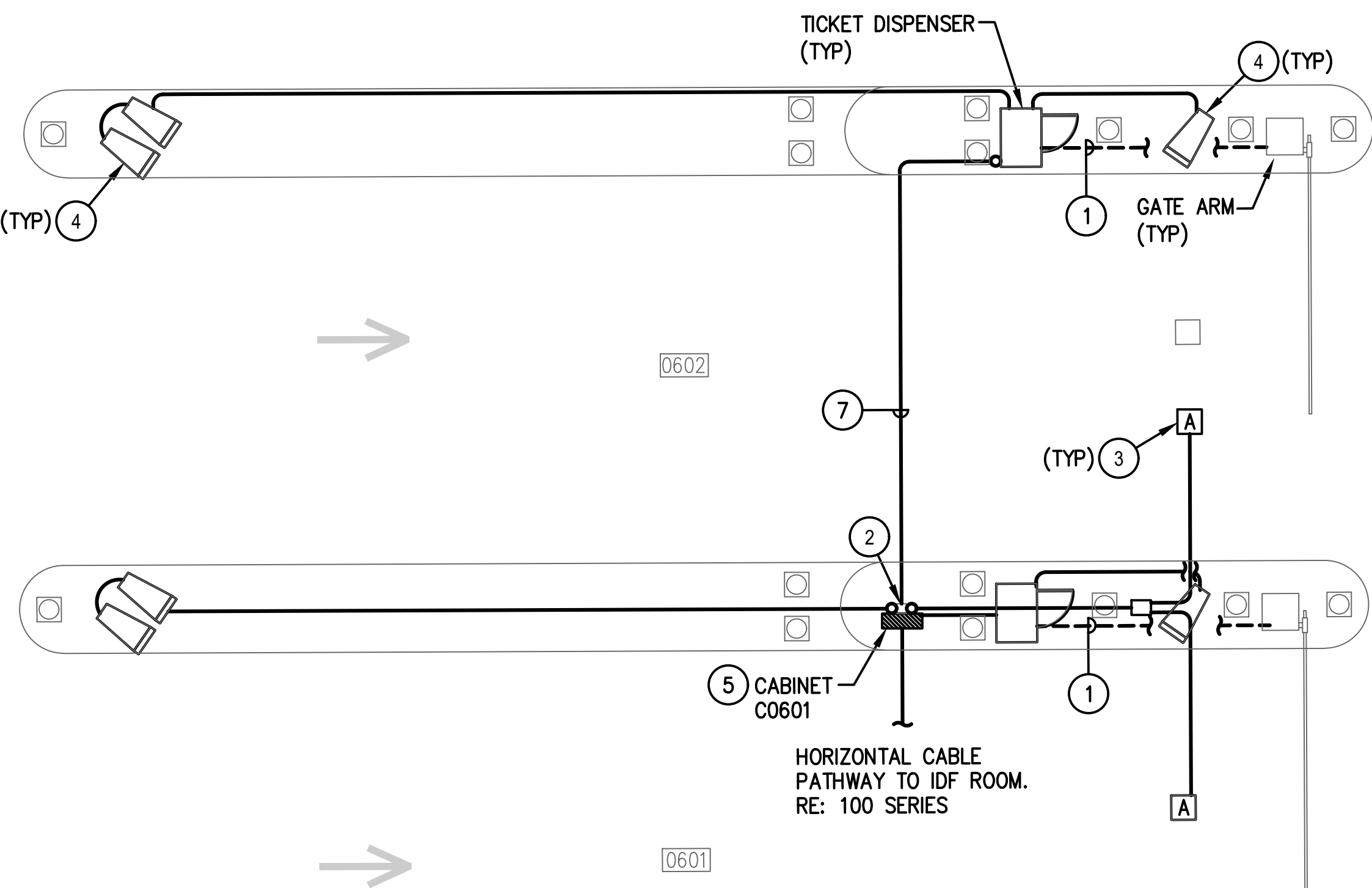
PROVIDE PULL BOX FOLLOWING DIV 27 REQUIREMENTS.



1 NORTH ENTRY LANES – ENLARGED PLAN  
SCALE: 1/4" = 1'-0"

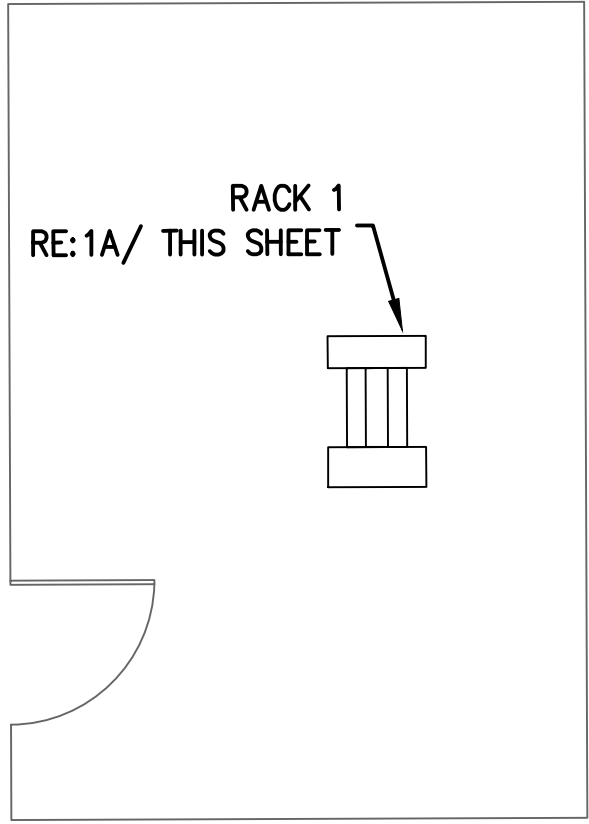


2 NORTH BUS EXIT LANES – ENLARGED PLAN  
SCALE: 1/4" = 1'-0"

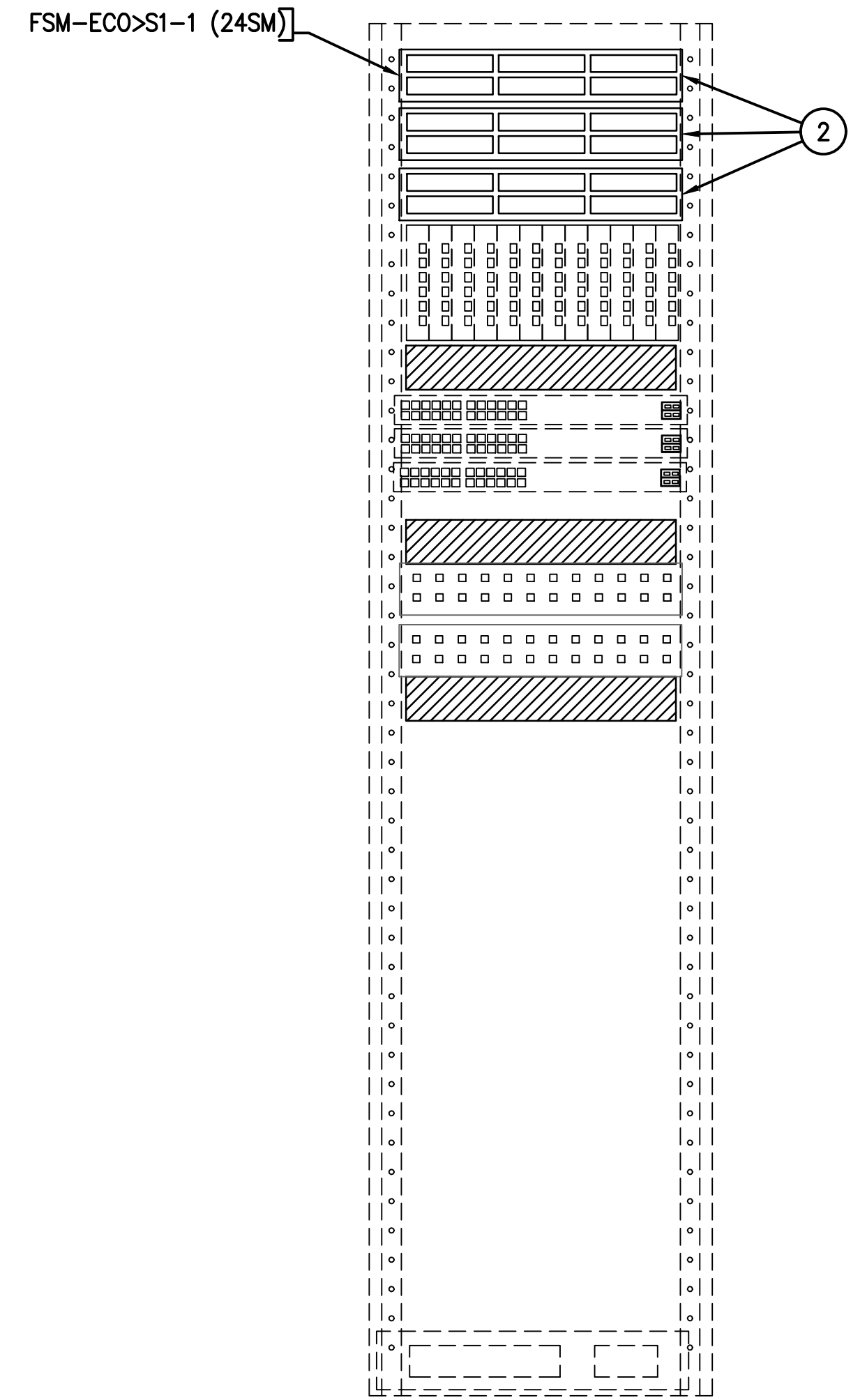


3 EMPLOYEE ENTRY/EXIT – ENLARGED PLAN  
SCALE: 1/4" = 1'-0"

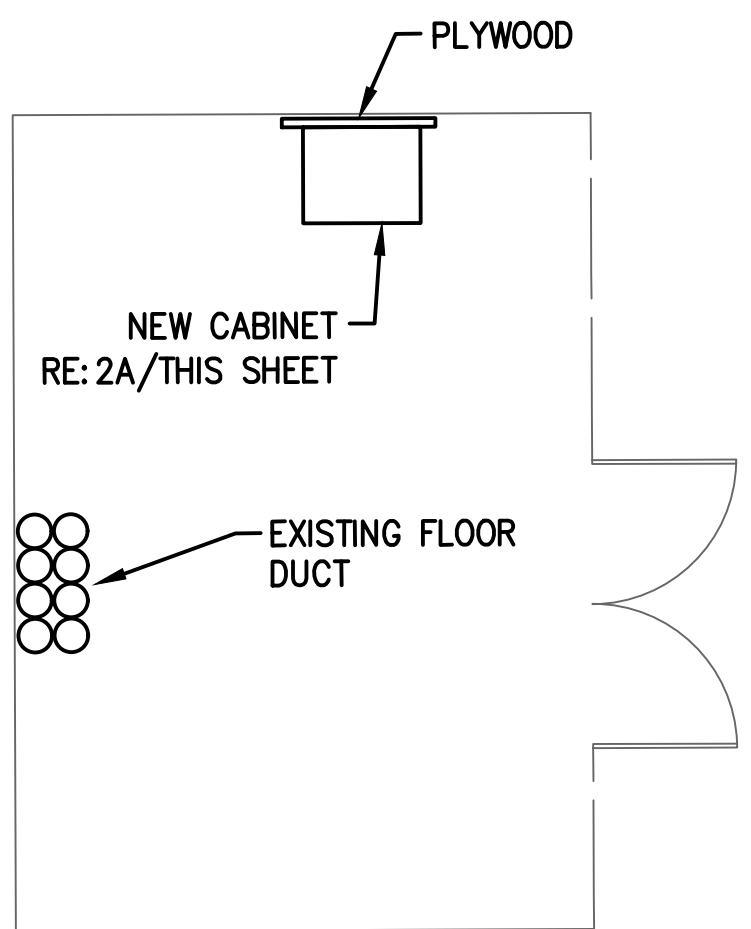




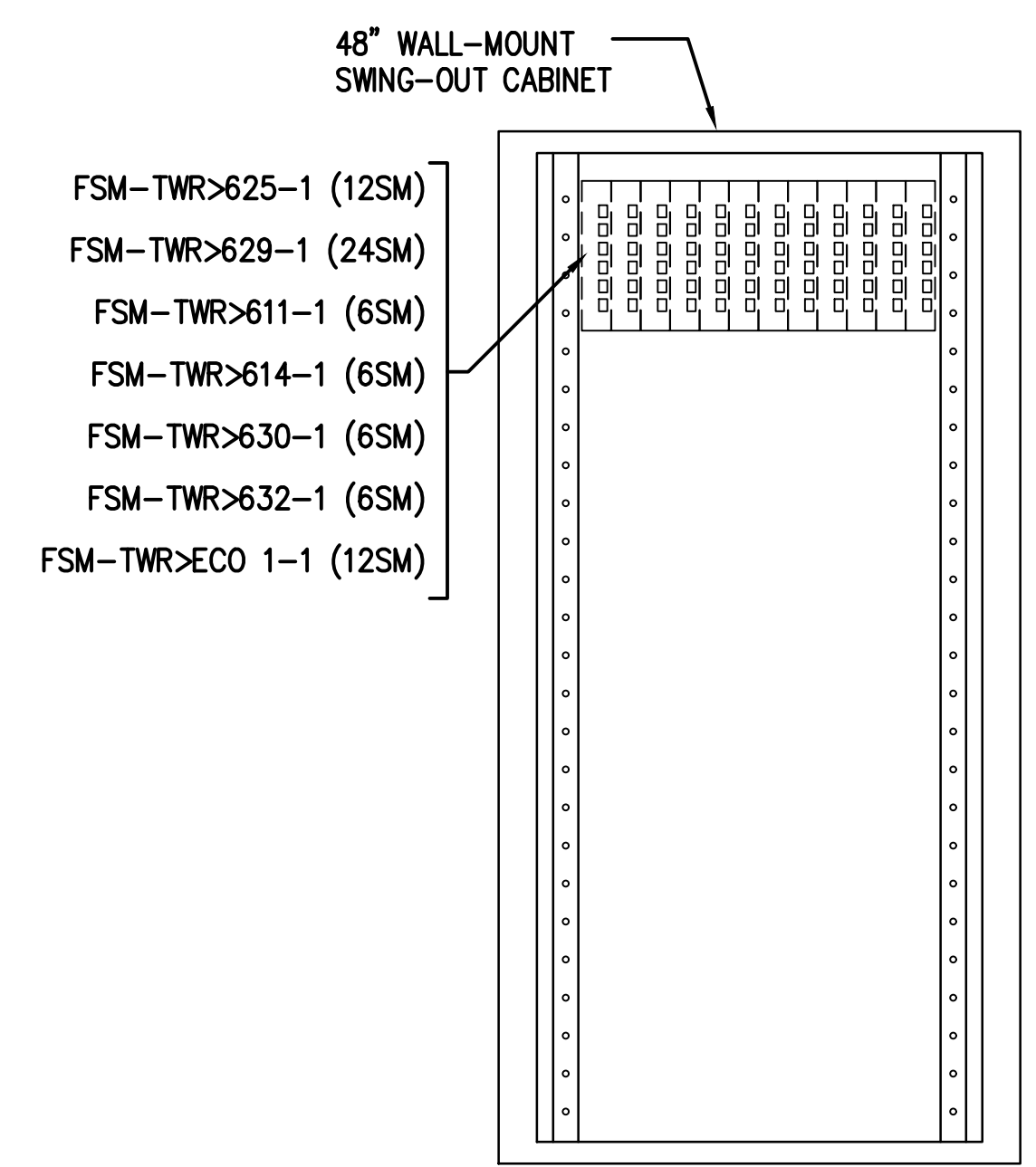
1 IDF ECO ENLARGED PLAN  
SCALE: 1/4" = 1'-0"



1A RACK ELEVATION - IDF-ECO  
SCALE: N.T.S.



2 IDF TWR ENLARGED PLAN  
SCALE: 1/4" = 1'-0"



2A RACK ELEVATION - IDF-TWR  
SCALE: N.T.S.

GENERAL NOTES:

- COORDINATE ALL IDF ROOM WORK WITH HAS IT GROUP. PROVIDE MINIMUM 30 DAYS NOTICE PRIOR TO WORK IN IDF ROOM.
- REFER TO PLANS DRAWINGS FOR IDF ROOM LOCATION.

KEYED NOTES:

- EXISTING COMMSCOPE 72 PORT LST FIBER SHELF WITH ST CONNECTORS SHOWN FOR REFERENCE ONLY.
- NEW 48 PORT 1RU PATCH PANEL INCLUDING PRE-LOADED FIBER PIGTAIL CARTRIDGES.
- EXISTING FIBER CONNECTIONS SHOWN FOR REFERENCE ONLY.

HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

KIMLEY-HORN ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FIRM REGISTRATION # 608  
WWW.KIMLEY-HORN.COM

FERGUSON CONSULTING, INC.  
1000 BUCKINGHAM BLVD., SUITE 400  
THE WOODLANDS, TEXAS 77380  
CITY 281-465-1626 FAX 281-465-1624

REVISIONS			
NO.	DESCRIPTION	DATE	BY

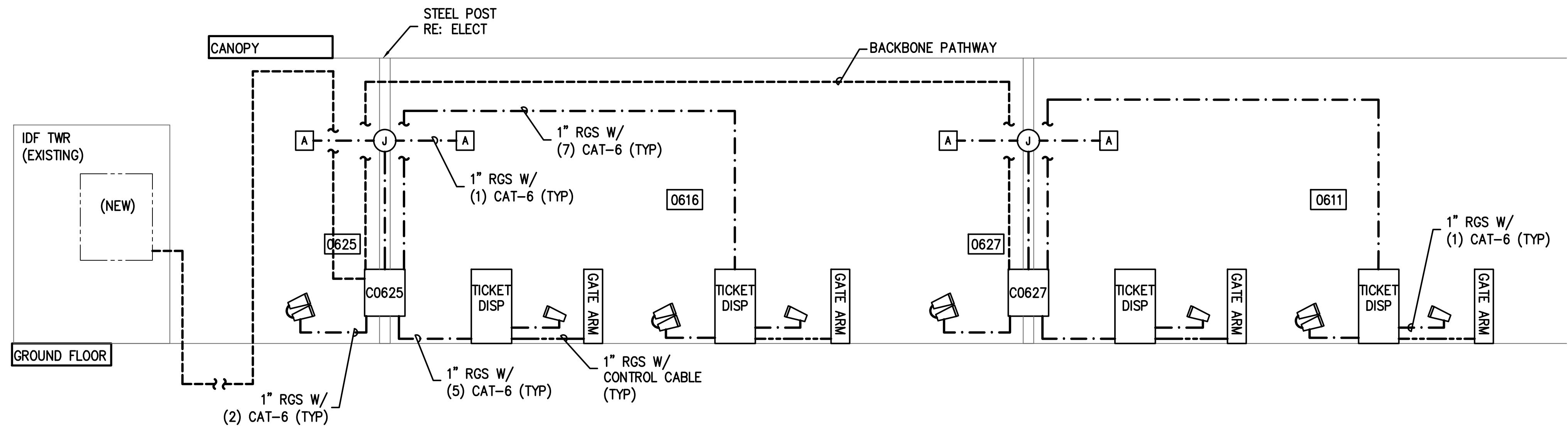
PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
JFK ECO PARK ENLARGED PLAN-IDF  
ROOM

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020

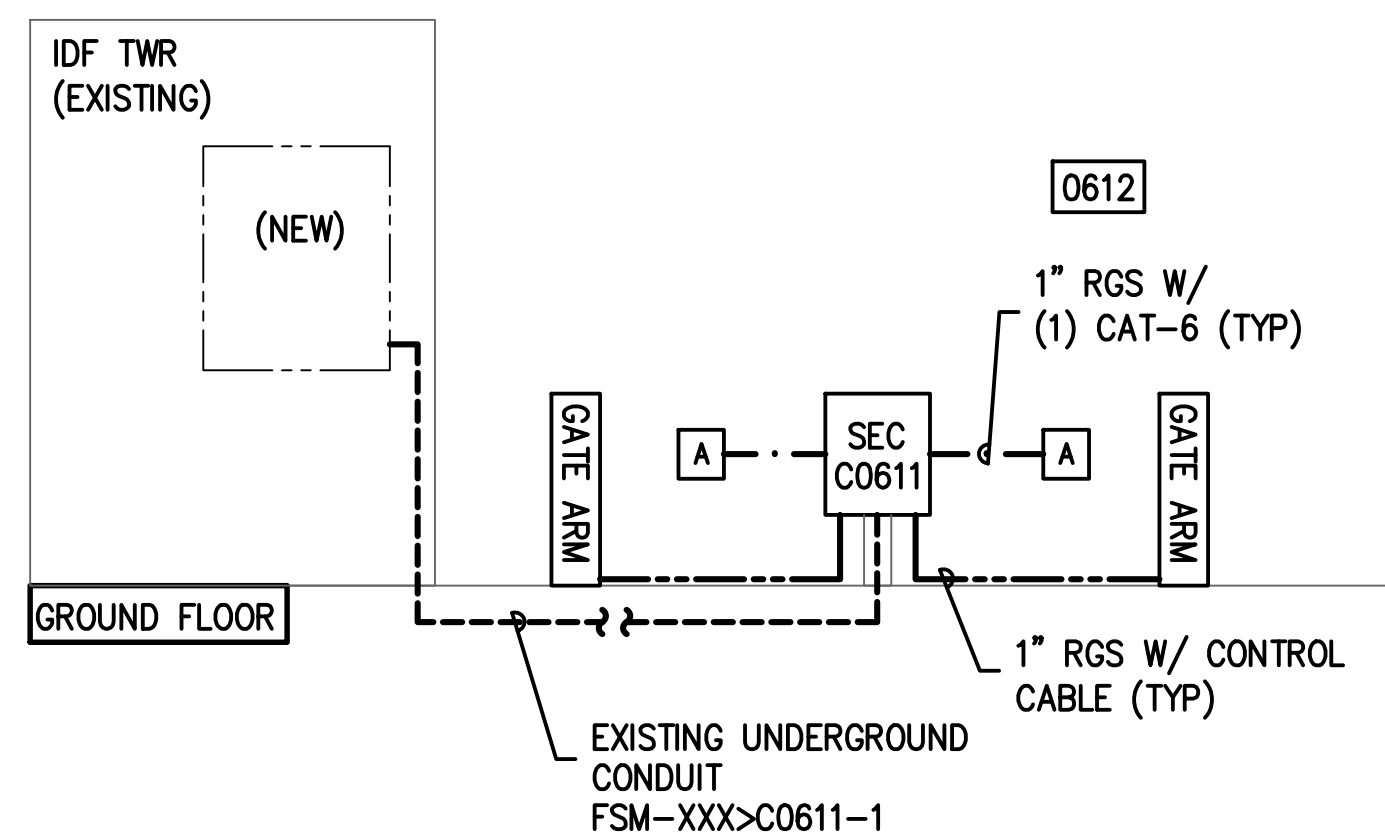
APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. 067810800	
C.I.P. NO.	
H.A.S. NO.	
PN HKE-PARCS-2020-003	
SHEET NO.	

1T6-204

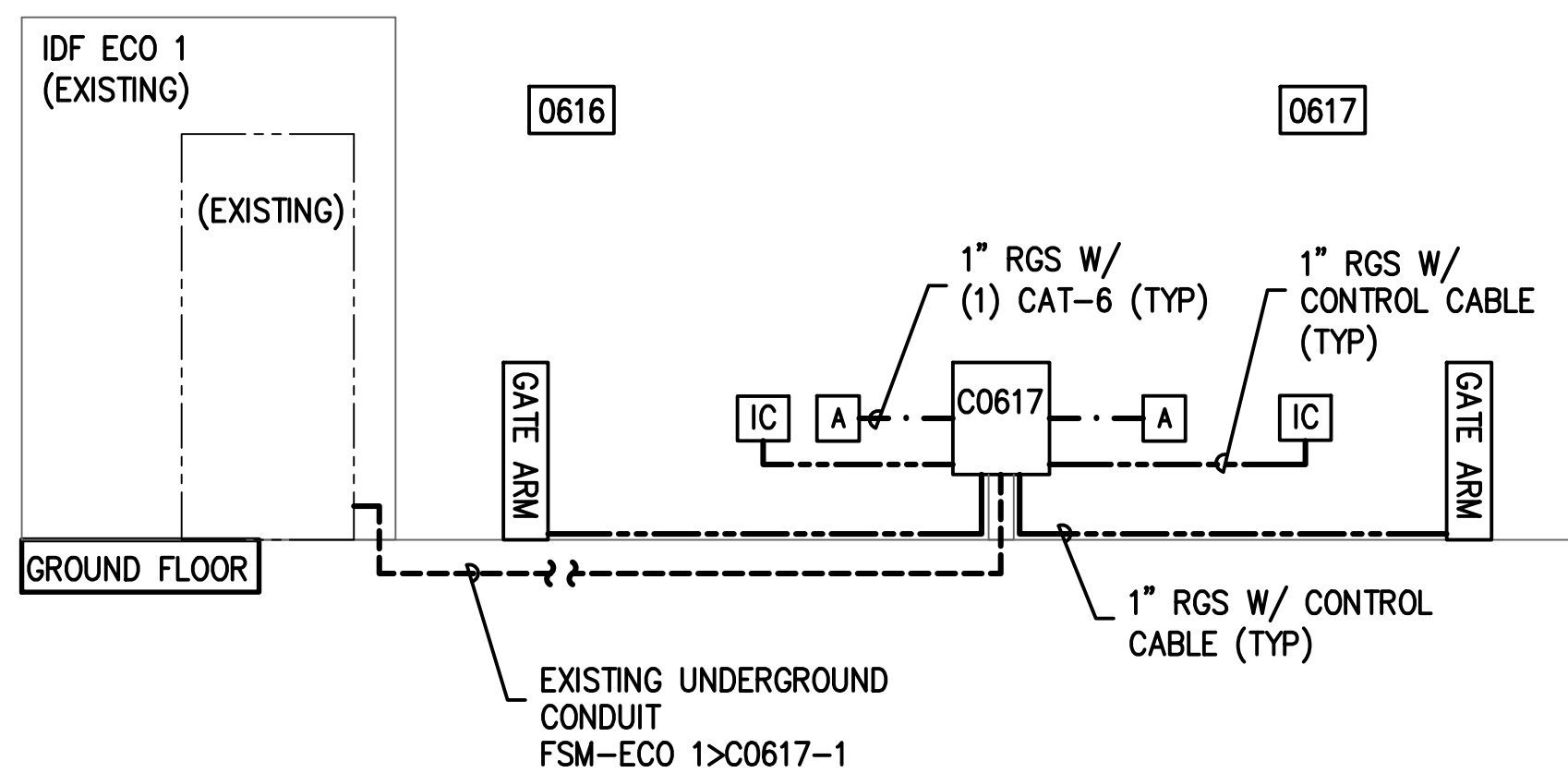




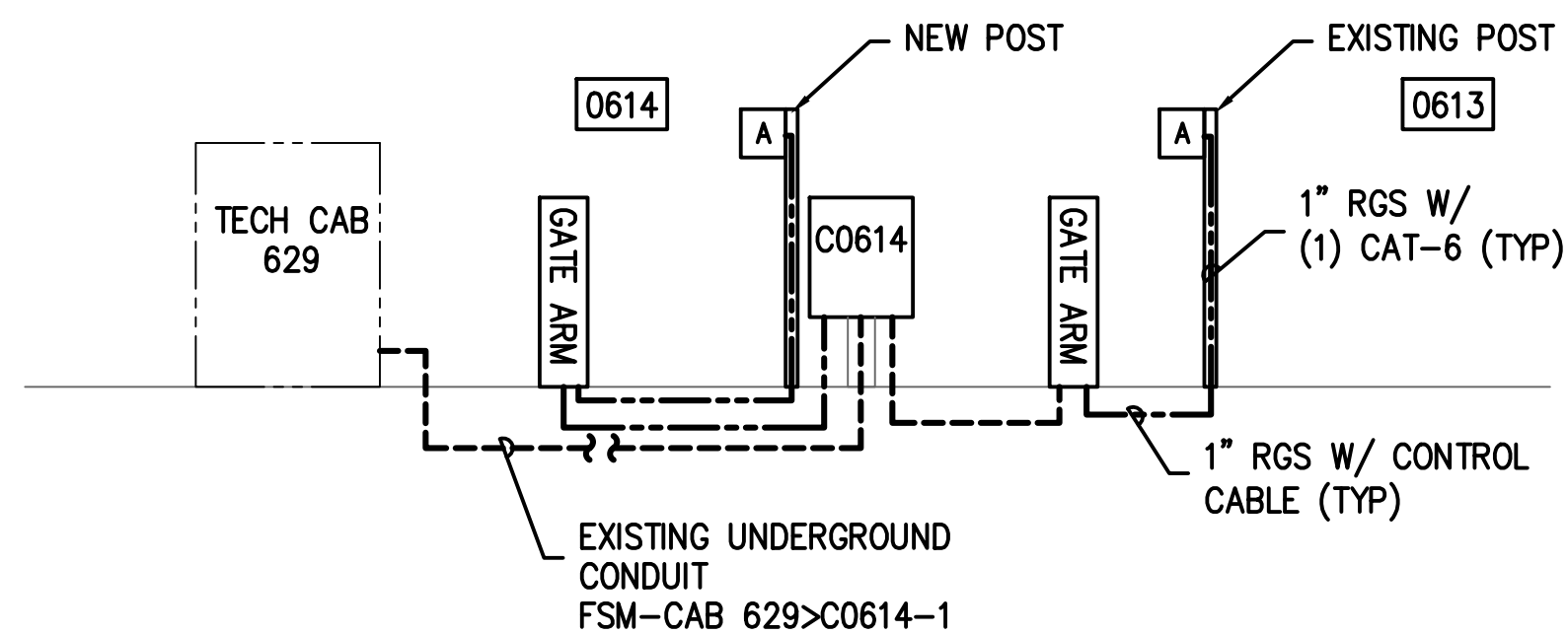
**1 ENTRY-RISER DIAGRAM**  
SCALE: NTS



**2 NORTH COVERED BUS ENTRY/EXIT-RISER DIAGRAM**  
SCALE: NTS  
\* TYPICAL FOR LANES 0614/0613, AND 0614/0615. REFER TO PLANS FOR ENCLOSURE NAMES.



**3 EMPLOYEE ENTRY/EXIT-RISER DIAGRAM**  
SCALE: NTS



**4 NORTH BUS EXIT-RISER DIAGRAM**  
SCALE: NTS

**GENERAL NOTES:**  
1. REFER TO 1T6-200 SERIES FOR EQUIPMENT LAYOUT

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
JFK ECOPARK RISER DIAGRAMS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

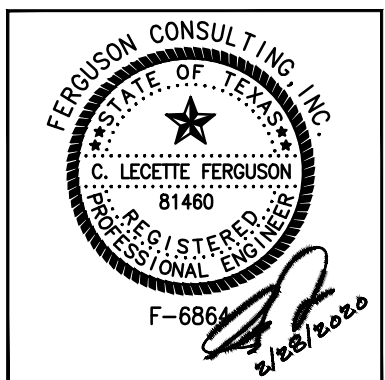
H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.



REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
JFK ECOPARK RISER DIAGRAMS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



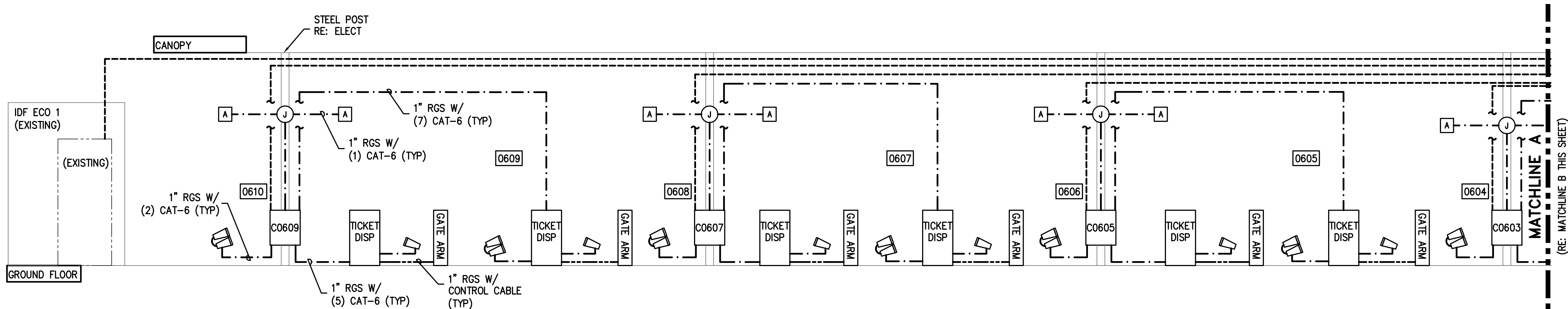
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

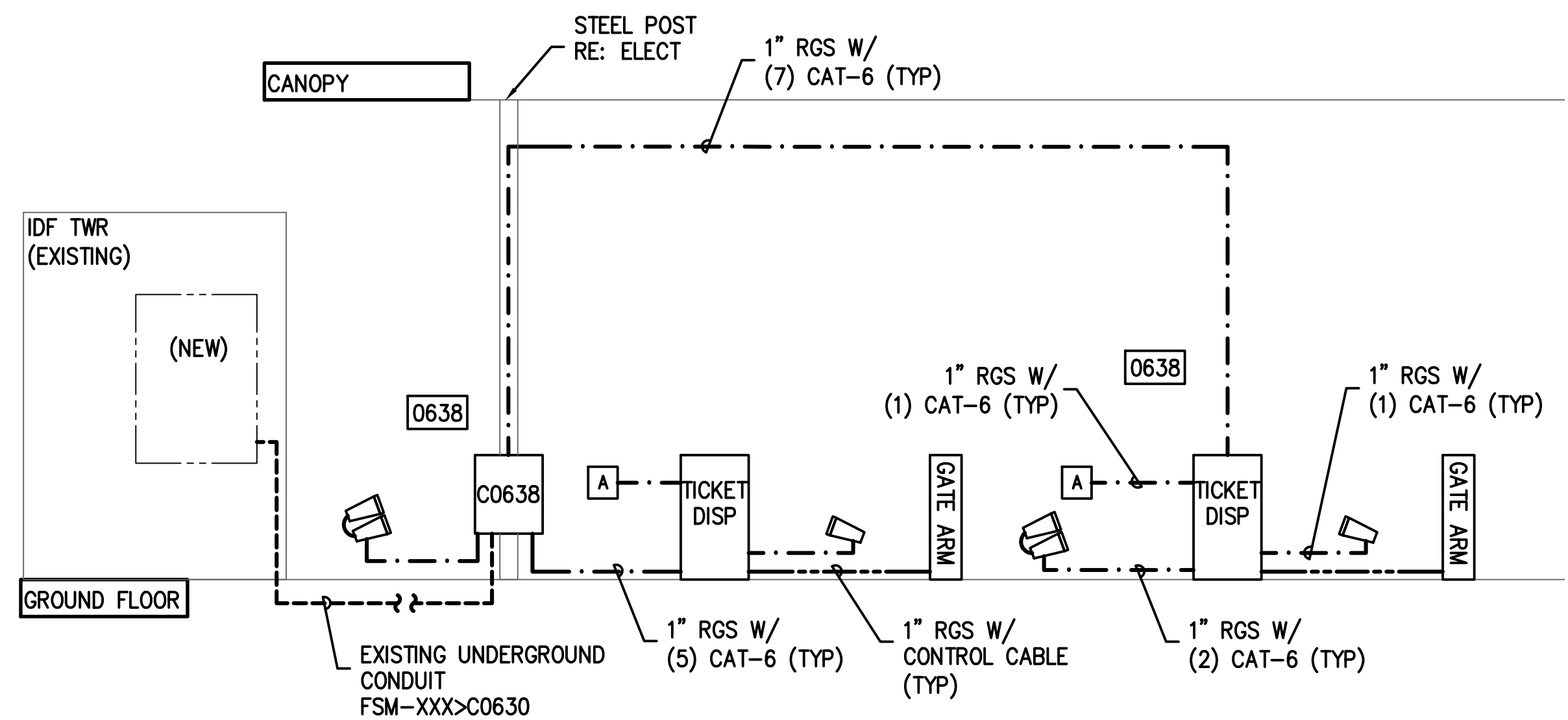
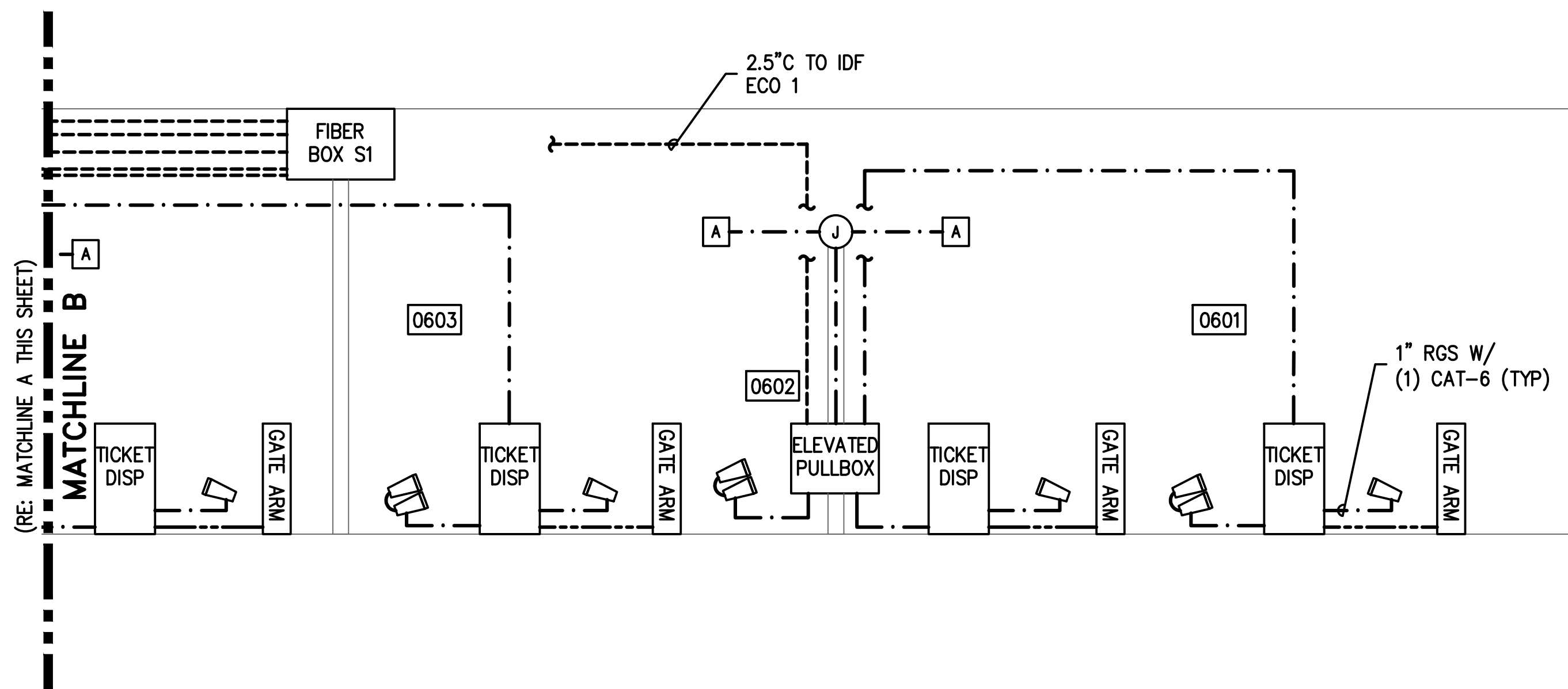
PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T6-302



**1 EXIT PLAZA – RISER DIAGRAM**  
SCALE: NTS



**2 JFK ECO PARK COVERED ENTRY NORTH–RISER DIAGRAM**  
SCALE: NTS

\* TYPICAL FOR LANES  
0630/0631, AND  
0632/0633. REFER  
TO PLANS FOR  
ENCLOSURE NAMES.

**GENERAL NOTES:**

- REFER TO 1T6-200 SERIES FOR EQUIPMENT LAYOUT







REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
WILL CLAYTON ECO PARK OVERALL SITE  
PLAN

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



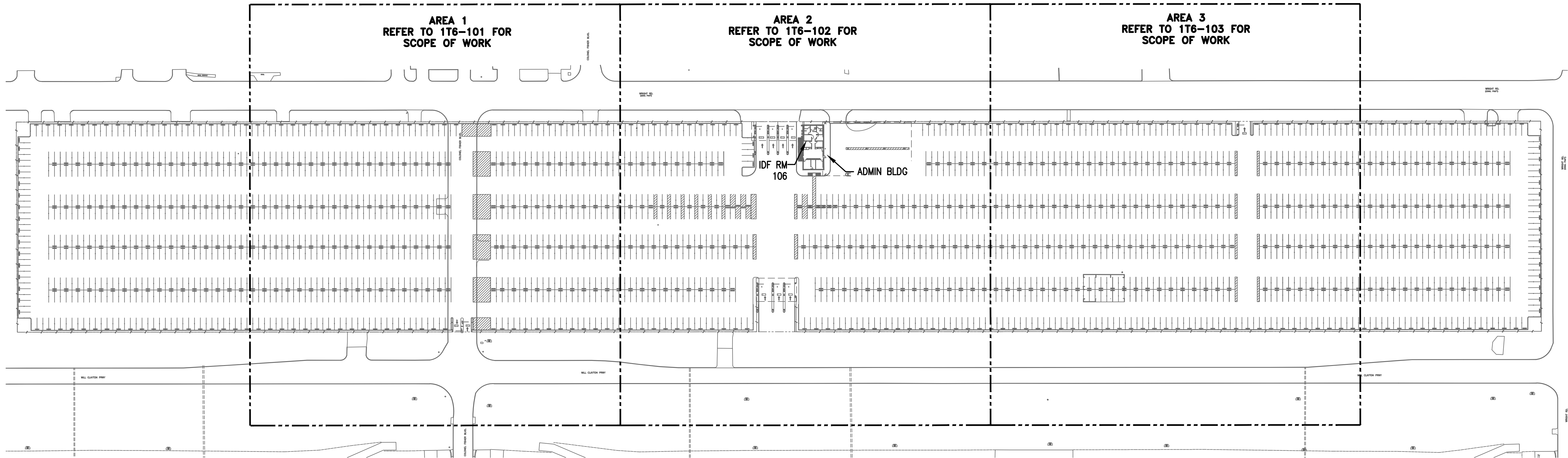
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

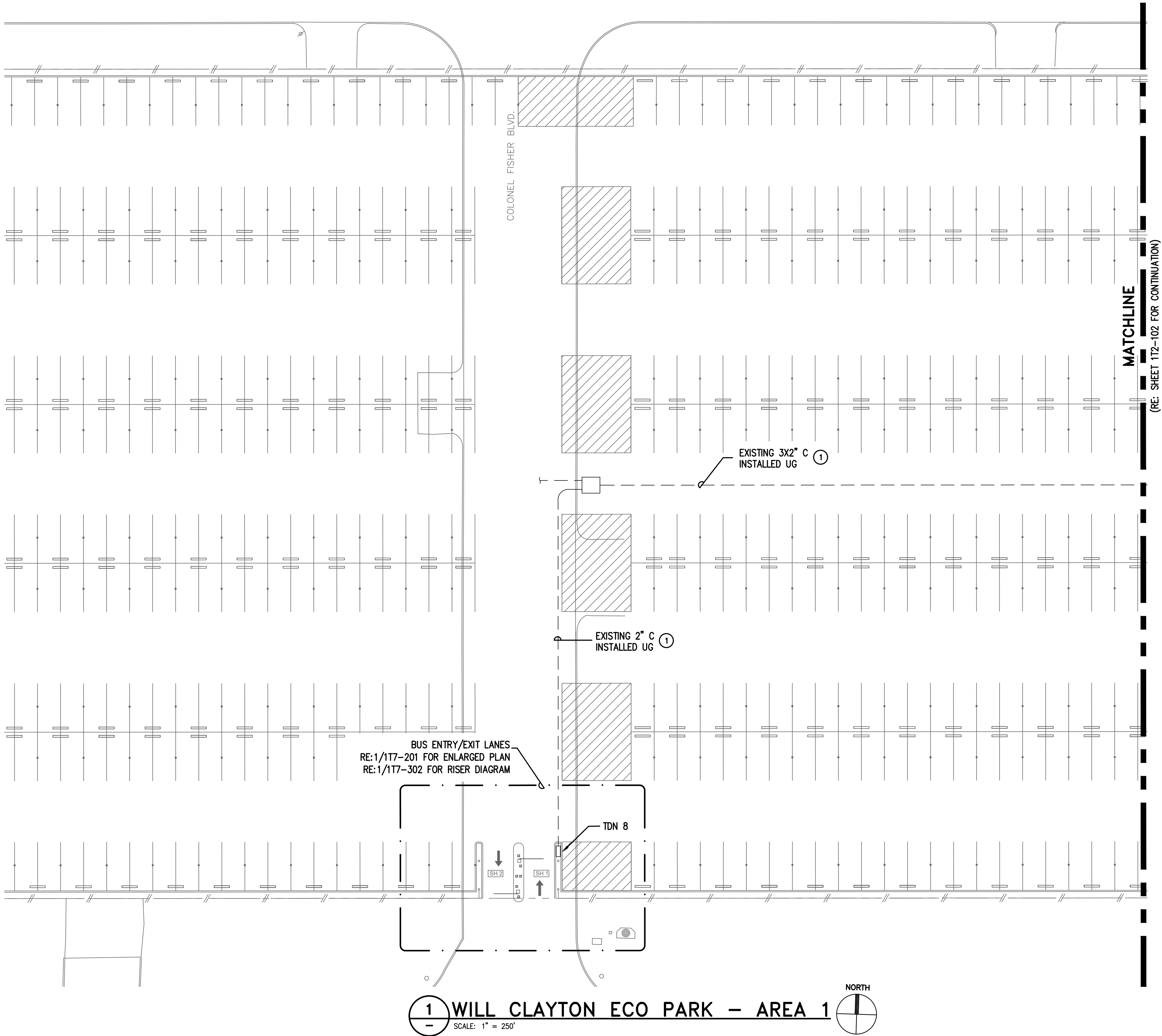
H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T7-100



**WILL CLAYTON  
ECO PARK OVERALL SITE PLAN**  
SCALE: NTS





**GENERAL NOTES:**

1. FIELD COORDINATE ALL CONDUIT PATHWAYS WITH EXISTING STRUCTURE AND UTILITIES. WHERE CONDUIT IS RUN OVERHEAD ROUTE CONDUIT AS HIGH AS POSSIBLE. CONTRACTOR HAS THE OPTION TO UTILIZE EXISTING PATHWAYS WHERE AVAILABLE
2. FOLLOW HOUSTON AIRPORT SYSTEM (HAS) TELECOM STANDARDS AND PRACTICES
3. EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
4. PROPOSED EQUIPMENT LOCATIONS ARE CONCEPTUAL. INSTALL EQUIPMENT AS SITE CONDITIONS REQUIRE AND AS APPROVED BY OWNER
5. REFER TO 1TX-200 DRAWING SERIES FOR ENLARGED LANE PLANS

**KEYED NOTES:**

- ① EXISTING PATHWAY TO IDF ROOM SHOWN FOR REFERENCE ONLY. RE-USE EXISTING BACKBONE CABLES.



**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS



**Kinley Horn**  
KINLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLARK FOREST DRIVE, SUITE 225  
THE WOODLARK, TX 77059  
PHONE: 281-475-2816  
TYPED FIRM REGISTRATION F-608  
WWW.KINLEY-HORN.COM



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CONSULTANTS IN CONSULTING, PLANNING, AND  
ENGINEERING  
FERGUSON CONSULTING, INC.  
10000 ROCKWELL AVE., SUITE 400  
THE WOODLARK, TEXAS 77059  
CITY 77059-1000 FAX 281-475-2814

REVISIONS		
NO.	DESCRIPTION	DATE BY

**PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)**

**WILL CLAYTON ECO PARK - AREA 1**

PROJECT MGR: LF

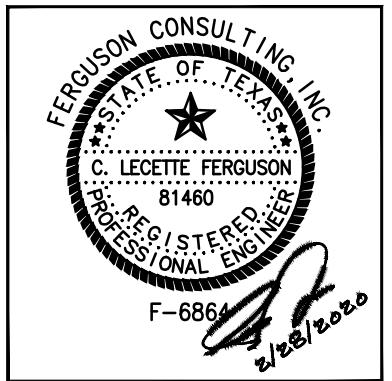
DESIGNER: PM

DRAWN BY: FR

CHECKED BY: LF

SCALE: AS SHOWN

DATE: 2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**

C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**

SHEET NO.



MATCHLINE

(RE: SHEET 117-101 FOR CONTINUATION)

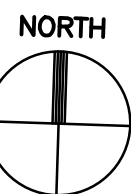
MATCHLINE

(RE: SHEET 117-103 FOR CONTINUATION)

EXIT LANES  
RE:1/117-202 FOR ENLARGED PLAN  
RE:2/117-302 FOR RISER DIAGRAM

ENTRY LANES  
RE:1/117-203 FOR ENLARGED PLAN  
RE:1/117-301 FOR RISER DIAGRAM

1 WILL CLAYTON ECO PARK - AREA 2  
SCALE: 1" = 250'



#### GENERAL NOTES:

1. FIELD COORDINATE ALL CONDUIT PATHWAYS WITH EXISTING STRUCTURE AND UTILITIES. WHERE CONDUIT IS RUN OVERHEAD ROUTE CONDUIT AS HIGH AS POSSIBLE. CONTRACTOR HAS THE OPTION TO UTILIZE EXISTING PATHWAYS WHERE AVAILABLE
2. FOLLOW HOUSTON AIRPORT SYSTEM (HAS) TELECOM STANDARDS AND PRACTICES
3. EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
4. PROPOSED EQUIPMENT LOCATIONS ARE CONCEPTUAL. INSTALL EQUIPMENT AS SITE CONDITIONS REQUIRE AND AS APPROVED BY OWNER
5. REFER TO 1TX-200 DRAWING SERIES FOR ENLARGED LANE PLANS

#### KEYED NOTES:

- 1 EXISTING PATHWAY TO IDF ROOM SHOWN FOR REFERENCE ONLY. RE-USE EXISTING BACKBONE CABLES.

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

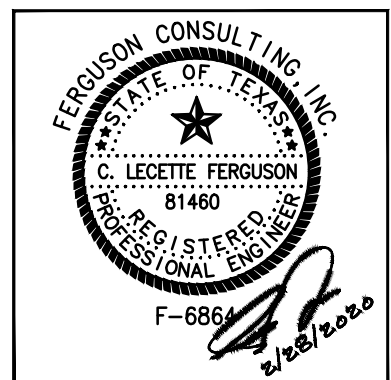
**Kimley-Horn**  
KIMLEY-HORN ASSOCIATES, INC.  
1400 WOODLARK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
FAX: 281-475-2817  
WWW.KIMLEY-HORN.COM

**Ferguson Consulting**  
FERGUSON CONSULTING, INC.  
1500 ROCKWELL AVE., SUITE 400  
THE WOODLANDS, TEXAS 77380  
CITY 281-475-2816 FAX 281-475-2817

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
WILL CLAYTON ECO PARK - AREA 2

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.

117-102





**GENERAL NOTES:**

1. FIELD COORDINATE ALL CONDUIT PATHWAYS WITH EXISTING STRUCTURE AND UTILITIES. WHERE CONDUIT IS RUN OVERHEAD ROUTE CONDUIT AS HIGH AS POSSIBLE. CONTRACTOR HAS THE OPTION TO UTILIZE EXISTING PATHWAYS WHERE AVAILABLE
2. FOLLOW HOUSTON AIRPORT SYSTEM (HAS) TELECOM STANDARDS AND PRACTICES
3. EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
4. PROPOSED EQUIPMENT LOCATIONS ARE CONCEPTUAL. INSTALL EQUIPMENT AS SITE CONDITIONS REQUIRE AND AS APPROVED BY OWNER
5. REFER TO 1TX-200 DRAWING SERIES FOR ENLARGED LANE PLANS

**KEYED NOTES:**

- ① EXISTING PATHWAY TO IDF ROOM SHOWN FOR REFERENCE ONLY. RE-USE EXISTING BACKBONE CABLES.

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kinley Horn**  
KINLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FIRM REGISTRATION F-686  
WWW.KINLEY-HORN.COM

**Ferguson Consulting**  
Consultants in Consulting, Quantity and  
Measurement Services  
FERGUSON CONSULTING, INC.  
10000 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TEXAS 77380  
CITY 281-475-2816 FAX 281-475-2814

REVISIONS			
NO.	DESCRIPTION	DATE	BY

**PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)**

**WILL CLAYTON ECO PARK - AREA 3**

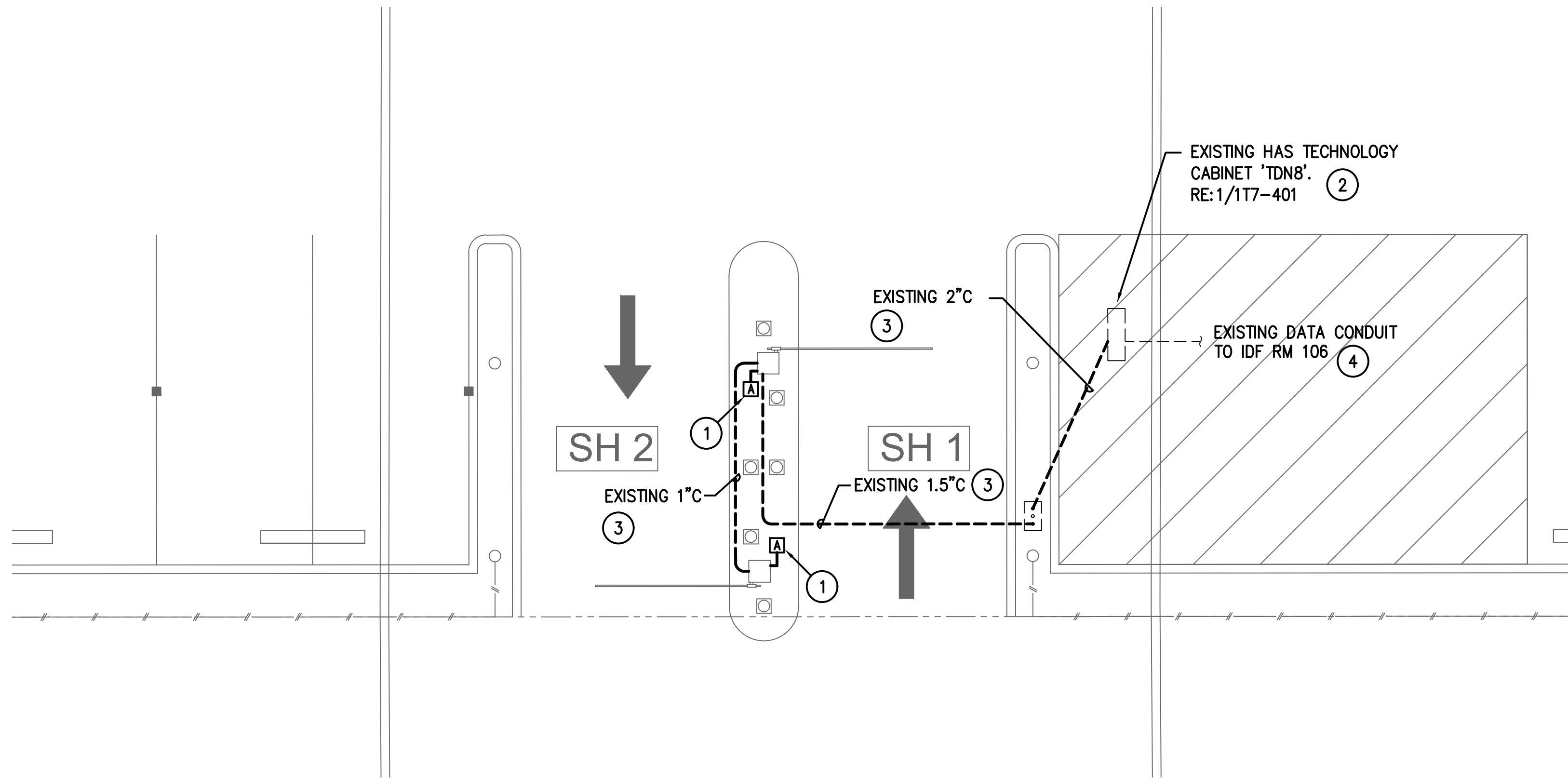
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DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020

**C. LEGETTE FERGUSON**  
81460  
REGISTERED PROFESSIONAL ENGINEER  
F-686  
2/28/2020

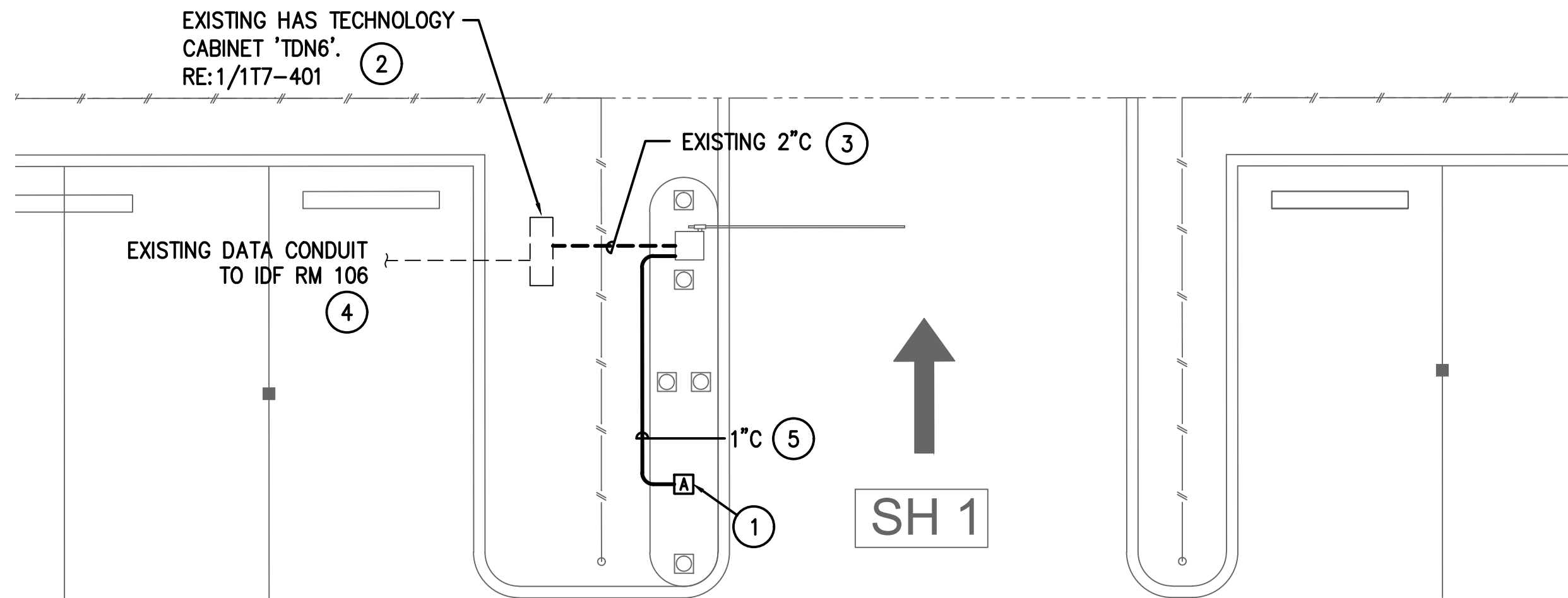
APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. <b>067810800</b>	
C.I.P. NO.	
H.A.S. NO.	
<b>PN HKE-PARCS-2020-003</b>	
SHEET NO.	

**1T7-103**





1 BUS ENTRY/EXIT LANES - ENLARGED PLAN  
SCALE: 3/16" = 1'-0"



2 BUS EXIT LANES - ENLARGED PLAN  
SCALE: 3/16" = 1'-0"

GENERAL NOTES:

- EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
- REFER TO 1TX-300 SERIES FOR RISER DIAGRAMS, CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1TX-400 SERIES FOR EQUIPMENT DETAILS. REFER TO OTX-400 FOR TYPICAL EQUIPMENT DETAILS
- REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION
- FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED
- ALL CONDUIT SHALL BE FURNISHED AND INSTALLED UNDER DIV. 26, BUT SHALL FOLLOW DIV. 27 INSTALLATION REQUIREMENTS
- COORDINATE ALL IDF ROOM WORK WITH RESPECTIVE OWNERS IT GROUP. PROVIDE A MINIMUM OF 30 DAYS NOTICE BEFORE WORKING IN ANY EXISTING IDF ROOM. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS TO BE MET BEFORE TURNING ANY NEW IDF ROOM OVER TO RESPECTIVE OWNER

KEYED NOTES:

- REMOVE EXISTING RFID READER AND ASSOCIATED PEDESTAL INCLUDING ANY EXPOSED CONDUIT. REMOVE CABLES BACK TO SOURCE. ANY SOURCE EQUIPMENT WHICH BECOMES SPARE DUE TO DEMOLITION TO BE REMOVED AND TURNED OVER TO OWNER. INSTALL NEW RFID READER AND NEW PEDESTAL. REFER TO OT0-201 FOR DETAILS. INSTALL NEW PATHWAYS AS REQUIRED TO INTERCEPT EXISTING PATHWAYS. INSTALL NEW CABLE IN EXISTING PATHWAYS
- TERMINATE NEW CABLES IN EXISTING CABINET. REFER TO DETAIL NOTED
- RE-USE EXISTING PATHWAY
- EXISTING FIBER BACKBONE PATHWAY TO IDF ROOM SHOWN FOR REFERENCE ONLY. REFER TO 100 SERIES FOR CONTINUATION
- INSTALL NEW 1" RGS SURFACE MOUNTED TO GATE CONTROLLER

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley-Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
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THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FIRM REGISTRATION # 508  
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**Ferguson Consulting**  
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ENGINEERING  
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1000 ROCKWELL AVE., SUITE 100  
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CITY 281-475-2816 FAX 281-475-2814

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
WILL CLAYTON ECO PARK - ENLARGED  
PLAN

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

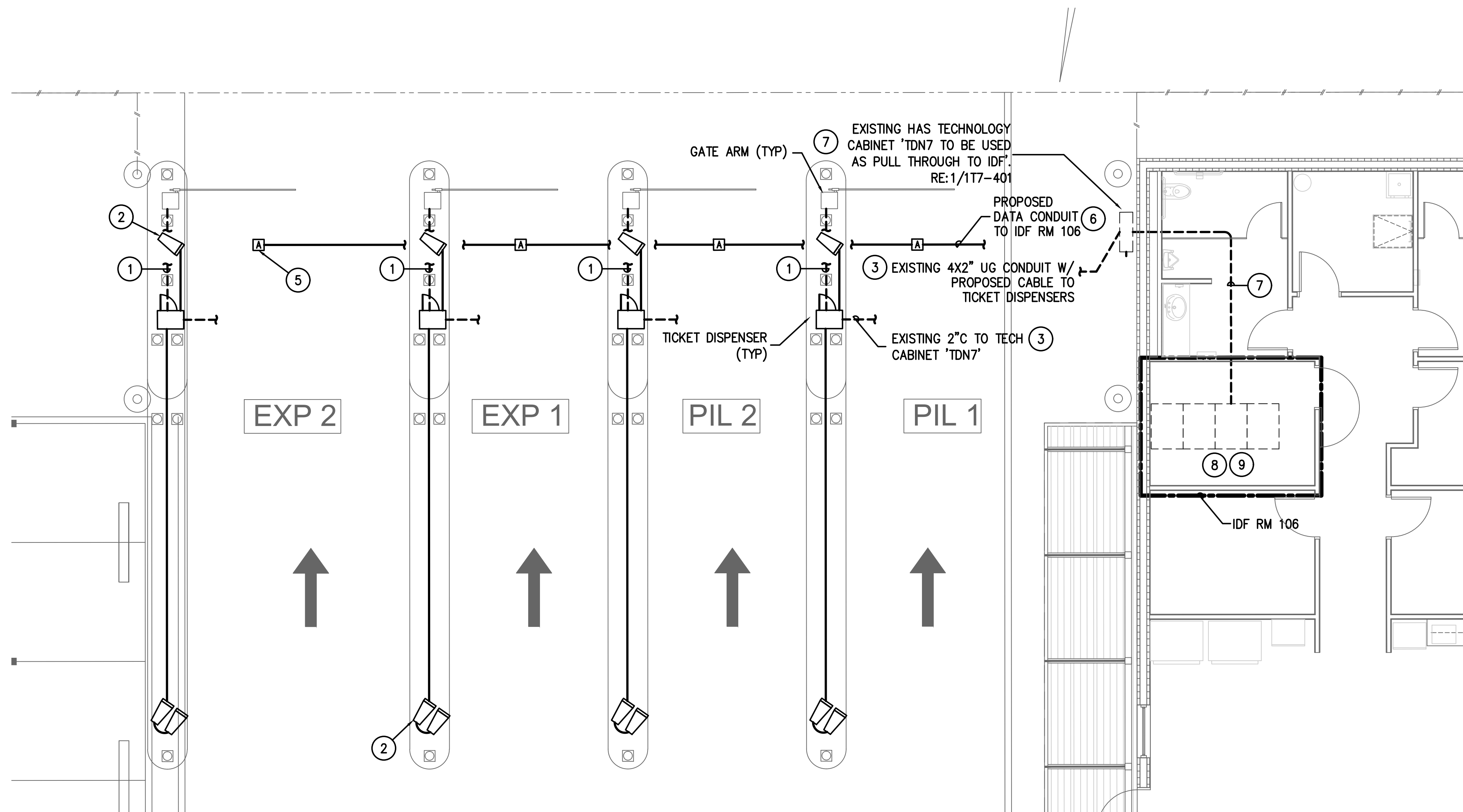
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.

1T7-201





**1 EXPRESS EXIT LANES – ENLARGED PLAN**  
SCALE: 3/16" = 1'-0"

**GENERAL NOTES:**

- EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
- REFER TO 1TX-300 SERIES FOR RISER DIAGRAMS, CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1TX-400 SERIES FOR EQUIPMENT DETAILS. REFER TO OTX-400 FOR TYPICAL EQUIPMENT DETAILS
- REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION
- FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED
- ALL CONDUIT SHALL BE FURNISHED AND INSTALLED UNDER DIV. 26, BUT SHALL FOLLOW DIV. 27 INSTALLATION REQUIREMENTS
- COORDINATE ALL IDF ROOM WORK WITH RESPECTIVE OWNERS IT GROUP. PROVIDE A MINIMUM OF 30 DAYS NOTICE BEFORE WORKING IN ANY EXISTING IDF ROOM. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS TO BE MET BEFORE TURNING ANY NEW IDF ROOM OVER TO RESPECTIVE OWNER

**KEYED NOTES:**

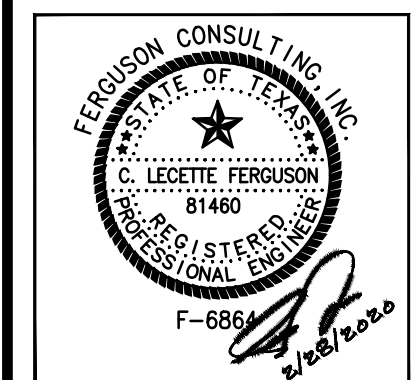
- UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER & GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- MOUNT ON PEDESTAL. REFER TO OT0-402 FOR MOUNTING DETAIL.
- RE-USE EXISTING PATHWAY
- EXISTING FIBER BACKBONE PATHWAY TO IDF ROOM SHOWN FOR REFERENCE ONLY. REFER TO 100 SERIES FOR CONTINUATION
- MOUNT IN CEILING STRUCTURE
- SIZE CONDUIT FOLLOWING CHART ON 1T0-001.
- EXTEND ALL CAT6 CABLES TO IDF ROOM 106 VIA EXISTING AVAILABLE PATHWAYS. REMOVE ALL EXISTING PARCS SYSTEM CABLES NOTED FOR DEMOLITION.
- PROVIDE COPPER PATCH PANEL FOR TERMINATION OF ALL NEW DATA CABLES. FIELD VERIFY EXACT INSTALLATION LOCATION W/ HAS IT GROUP.
- PROVIDE 48P NETWORK SWITCH WITH SM UPLINK MODULES. FIELD VERIFY EXACT INSTALLATION LOCATION W/ HAS IT GROUP.



REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
WILL CLAYTON ECO PARK - ENLARGED  
PLAN

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1T7-202





NO.	DESCRIPTION	DATE	BY
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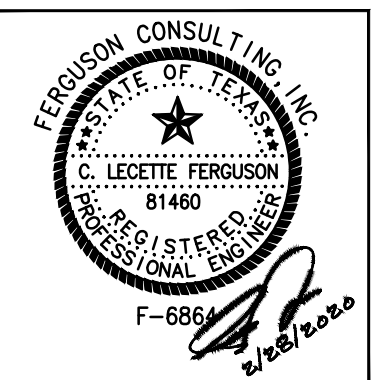
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## PARKING ACCESS AND REVENUE CONTROL SYSTEMS (PARCS)

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

**DIRECTOR**  
**HOUSTON AIRPORT SYSTEM**

PROJECT NO. \_\_\_\_\_

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**067810800**

C.I.P. NO.

H.A.S. NO. \_\_\_\_\_

PN HKE-PARCS-2020-003

SHEET NO. \_\_\_\_\_

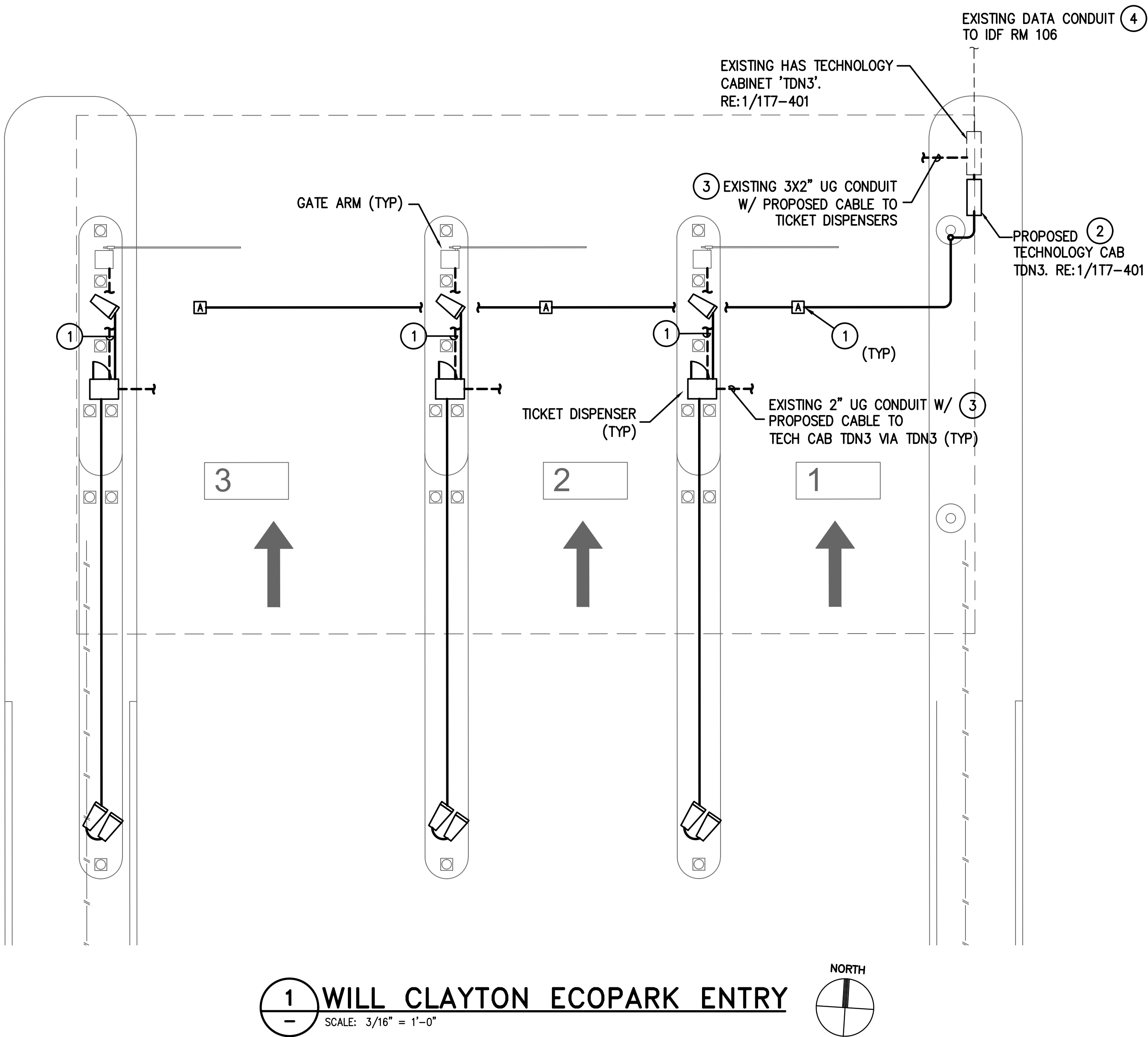
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1T7-203

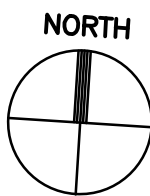
117-203

1. EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
2. REFER TO 1TX-300 SERIES FOR RISER DIAGRAMS, CONDUIT AND CABLES SIZES & QUANTITIES
3. REFER TO 1TX-400 SERIES FOR EQUIPMENT DETAILS. REFER TO 0TX-400 FOR TYPICAL EQUIPMENT DETAILS
4. REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION
5. FOR ALL PEDESTAL/GROUND MOUNTED EQUIPMENT INSTALL RGS CONDUIT EXPOSED ON GRADE UNLESS OTHERWISE NOTED
6. ALL CONDUIT SHALL BE FURNISHED AND INSTALLED UNDER DIV. 26, BUT SHALL FOLLOW DIV. 27 INSTALLATION REQUIREMENTS
7. COORDINATE ALL IDF ROOM WORK WITH RESPECTIVE OWNERS IT GROUP. PROVIDE A MINIMUM OF 30 DAYS NOTICE BEFORE WORKING IN ANY EXISTING IDF ROOM. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS TO BE MET BEFORE TURNING ANY NEW IDF ROOM OVER TO RESPECTIVE OWNER

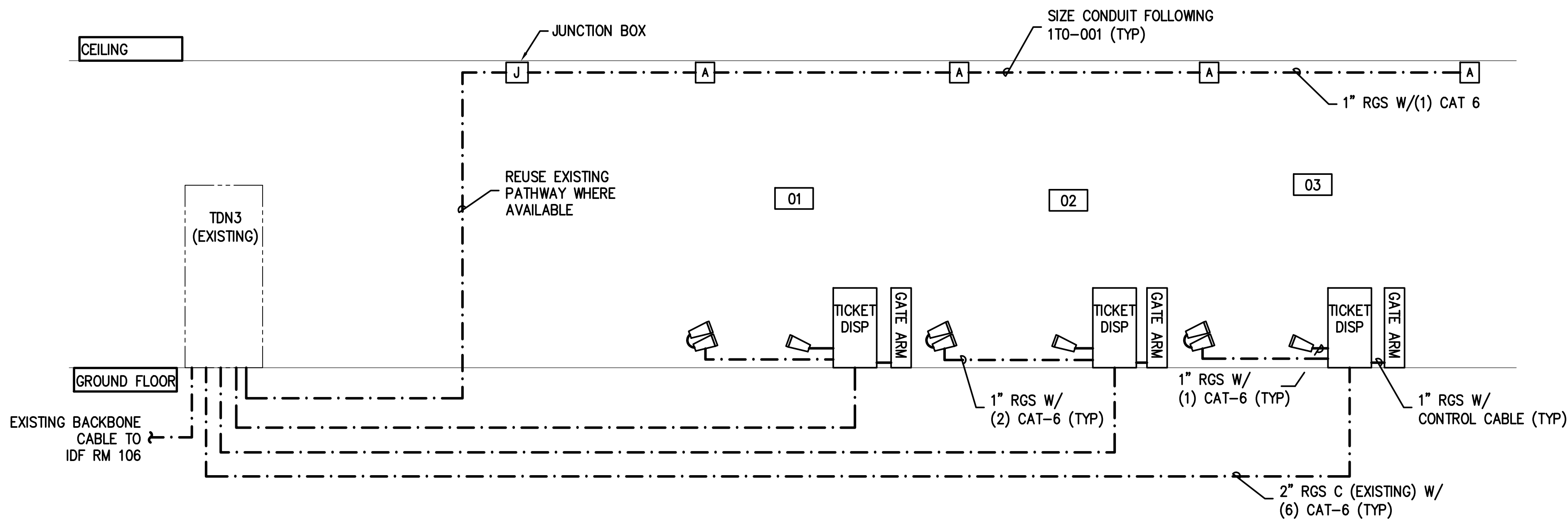
- ① UTILIZE EXISTING PATHWAY TO RE-ESTABLISH CONNECTION BETWEEN NEW TICKET DISPENSER GATE ARM. REMOVE EXISTING CABLES AND INSTALL NEW CABLES AS REQUIRED.
- ② TERMINATE NEW CABLES IN EXISTING CABINET. REFER TO DETAIL NOTED
- ③ RE-USE EXISTING PATHWAY
- ④ EXISTING FIBER BACKBONE PATHWAY TO IDF ROOM SHOWN FOR REFERENCE ONLY. REFER TO 117-103 FOR CONTINUATION
- ⑤ INSTALL NEW 1" RGS SURFACE MOUNTED TO GATE CONTROLLER



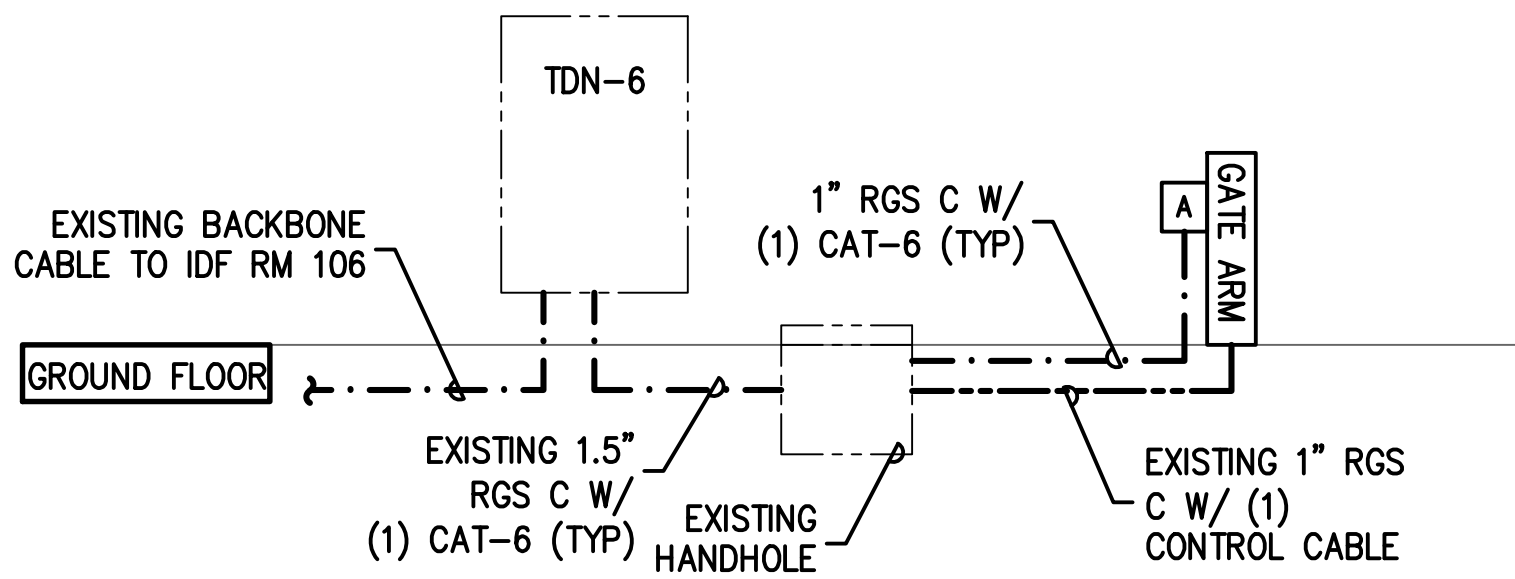
**1 WILL CLAYTON ECOPARK ENTRY**  
SCALE: 3/16" = 1'-0"







1 ENTRY LANES-RISER DIAGRAM  
SCALE: NTS



2 BUS EXIT LANE-RISER DIAGRAM  
SCALE: NTS

GENERAL NOTES:  
REFER TO 1T7-200 SERIES FOR EQUIPMENT LAYOUT



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTONTEXAS



KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TELE FAX: 281-475-2816  
WWW.KIMLEY-HORN.COM

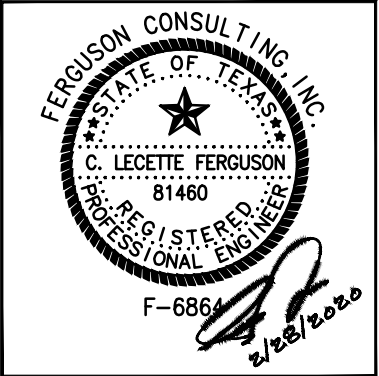


FERGUSON CONSULTING, INC.  
1000 ROCKWELL AVE., SUITE 400  
THE WOODLANDS, TEXAS 77380  
PH: 281-475-2816 FAX: 281-475-2816

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
WILL CLAYTON ECO PARK-RISER  
DIAGRAMS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020




APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. 067810800	
C.I.P. NO.	
H.A.S. NO. PN HKE-PARCS-2020-003	
SHEET NO.	











HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS



KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
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PHONE: 281-475-2816  
TYPED FIRM REGISTRATION F-608  
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FERGUSON CONSULTING, INC.  
1502 ROCKWELL BLVD., SUITE 400  
THE WOODLANDS, TEXAS 77380  
CNO 280-8502 TOLL-FREE F-6084

REVISIONS			
NO.	DESCRIPTION	DATE	BY

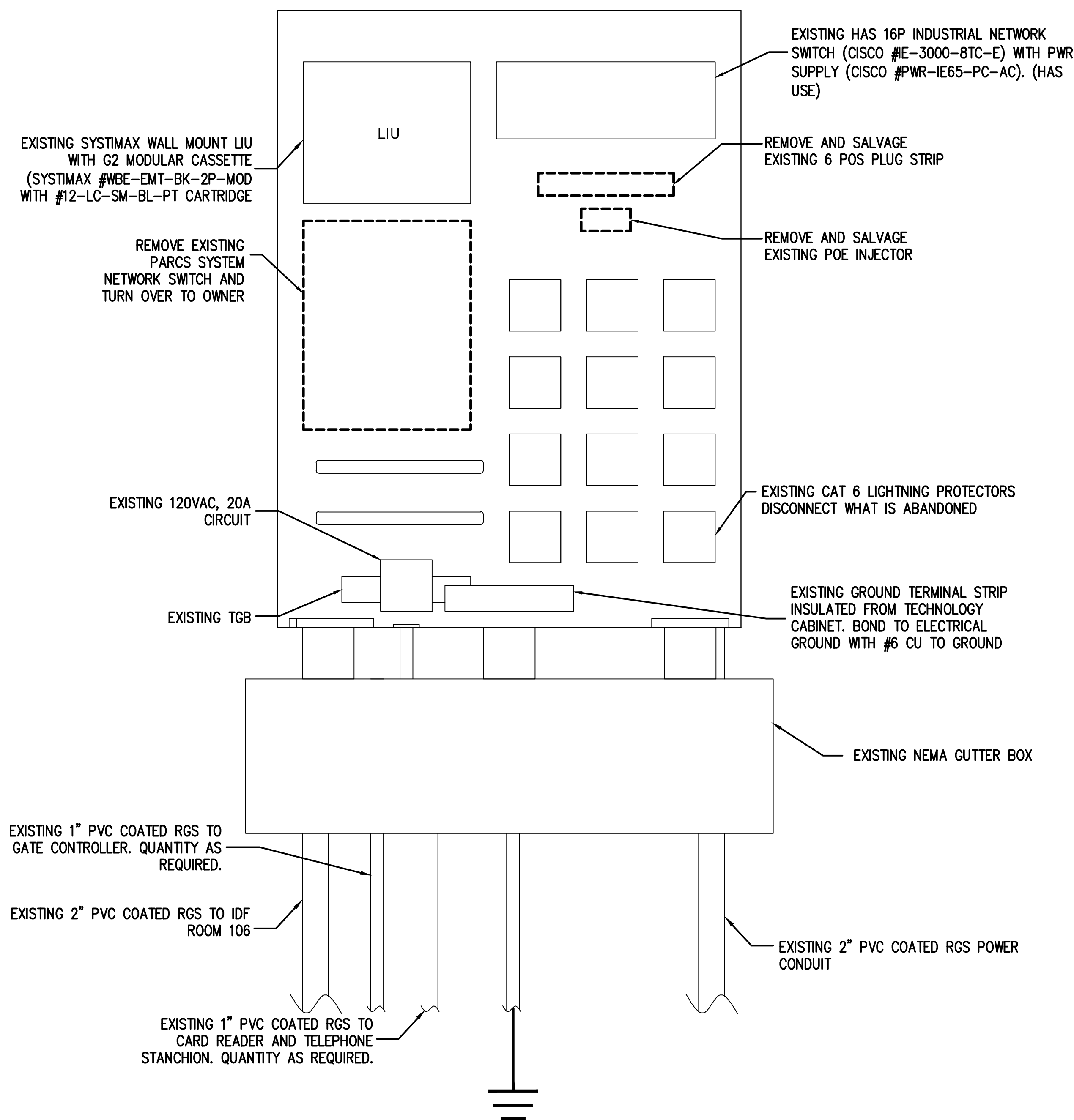
PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
WILL CLAYTON ECO PARK-DETAILS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020

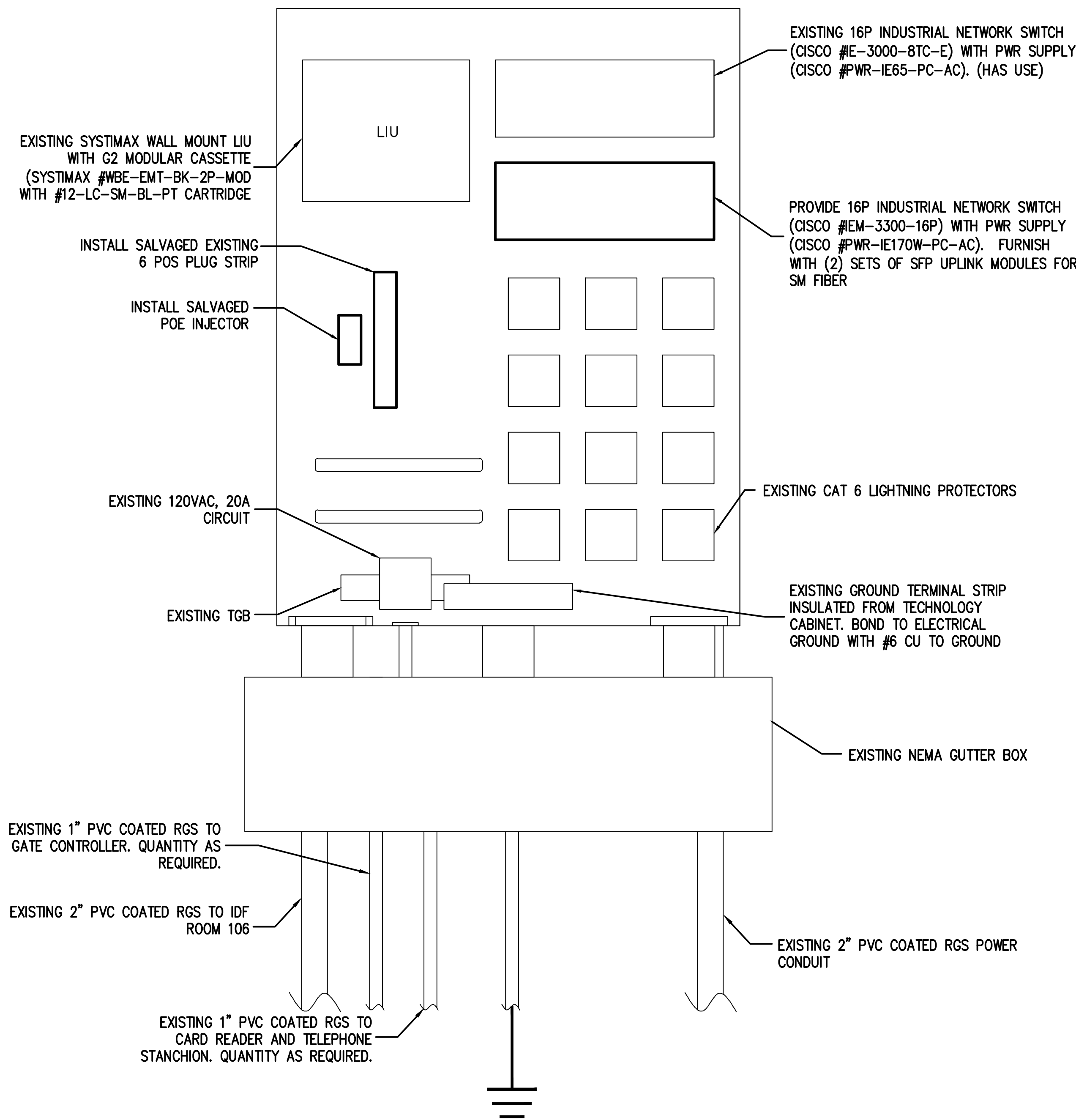


FERGUSON CONSULTING, INC.  
STATE OF TEXAS  
C. LEGETTE FERGUSON  
81460  
REGISTERED PROFESSIONAL ENGINEER  
F-6864  
2/28/2020

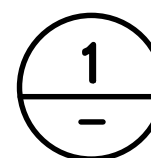
APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	067810800
C.I.P. NO.	
H.A.S. NO.	PN HKE-PARCS-2020-003
SHEET NO.	1T7-401



DEMO PLAN



PROPOSED PLAN



EXISTING TELECOMMUNICATIONS DISTRIBUTION NODE (TDN) DETAIL

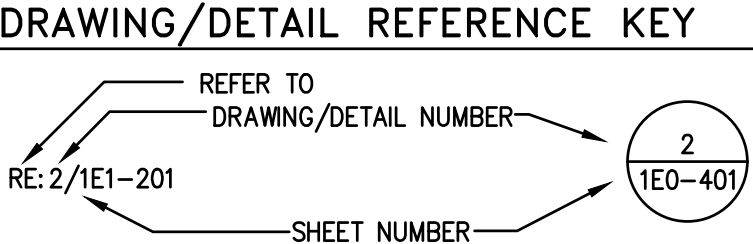
SCALE: NTS

TYPICAL FOR TDN-3, 6 & 8



ABBREVIATIONS (ALL ABBREVIATIONS SHOWN ARE NOT NECESSARILY USED ON DRAWINGS)			
A		M	
A/C	AIR CONDITIONING	MAX	MAXIMUM
ABV	ABOVE	MCA	MINIMUM CIRCUIT AMPACITY
AC	ALTERNATING CURRENT	MCB	MAIN CIRCUIT BREAKER
ADJ	ADJUSTABLE	MD	MOTORIZED DAMPER
AF	AMPERE FUSE	MECH	MECHANICAL
AFF	ABOVE FINISHED FLOOR	MFGR	MECHANICAL MANUFACTURER
AFG	ABOVE FINISHED GRADE	MG	MOTOR GENERATOR
AIC	AMPERE INTERRUPTING CURRENT	MIN	MINIMUM
AL	ALUMINUM	MLO	MAIN LUGS ONLY
A, AMPS	AMPERES	MTD	MOUNTED
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	N	
ARCH	ARCHITECT, ARCHITECTURAL	N/A	NOT APPLICABLE
AS	AMPERE SWITCH	N.C.	NORMALLY CLOSED
AUX	AUXILIARY	NEC	NATIONAL ELECTRIC CODE
AWG	AMERICAN WIRE GAUGE	NEMA	NATIONAL ELECTRIC MANUFACTURER'S ASSOCIATION
B		NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
BKR	BREAKER	NIC	NOT IN CONTRACT
BLDG	BUILDING	N.O.	NORMALLY OPEN
BLEP	BLUE LIGHT EMERGENCY PHONE	N.T.S	NOT TO SCALE
C		O	
C	CONDUIT	O.C.	ON CENTER
CATV	CABLE TELEVISION SYSTEM	OD	OUTSIDE DIAMETER
CCTV	CLOSED CIRCUIT TELEVISION	OH	OVERHEAD
CKT	CIRCUIT	OS&Y	OUTSIDE STEM & YOKE
CL	CENTERLINE	P	
CLG	CEILING	PF	POWER FACTOR
CU	COPPER	PH	PHASE
CB	CODE BLUE	PLBG	PLUMBING
D		PNL	PANEL
DC	DIRECT CURRENT	PVC	POLYVINYL CHLORIDE
DIA	DIAMETER	Q	
DISC	DISCONNECT	QTY	QUANTITY
DN	DOWN	R	
DPDT	DOUBLE-POLE, DOUBLE-THROW	RA	RETURN AIR
DPST	DOUBLE-POLE, SINGLE-THROW	RCP	REFLECTED CEILING PLAN
DWG	DRAWING	RE:	REFERENCE, REFER
E		REQD	REQUIRED
EA	EACH	REV	REVISED, REVISION, REVISE
EF	EXHAUST FAN	RGS	RIGID GALVANIZED STEEL
ELEC	ELECTRICAL	RLA	RUNNING LOAD AMPS
ENCL	ENCLOSURE	RM	ROOM
EQUIP	EQUIPMENT	S	
EWC	ELECTRICAL WATER COOLER	SECT	SECTION
EXH	EXHAUST	SF	SQUARE FEET
EXIST	EXISTING	SHT	SHEET
F		STP	SHIELDED TWISTED PAIR
FO	FIBER OPTIC	STM	SIMILAIR
FA	FIRE ALARM	SPEC	SPECIFICATIONS
FACP	FIRE ALARM CONTROL PANEL	SQ	SQUARE
FLA	FULL LOAD AMPS	SS	STAINLESS STEEL
FLEX	FLEXIBLE	STD	STANDARD
FVNR	FULL-VOLTAGE, NON-REVERSING	SURF	SURFACE
FVZSP	FULL-VOLTAGE, TWO SPEED	SUSP	SUSPEND
G		T	
G.GND	GROUND	THRU	THROUGH
GA	GAUGE	TYP	TYPICAL
GALV	GALVANIZED	U	
GFI	GROUND FAULT INTERRUPTER	U/F	UNDERFLOOR
GFR	GROUND FAULT RELAY	U/G	UNDERGROUND
H		U/S	UNDERSLAB
HOA	HAND-OFF-AUTO	UL	UNDERWRITERS LABORATORIES, INC.
HORIZ	HORIZONTAL	UON	UNLESS OTHERWISE NOTED
HP	HORSEPOWER	UPS	UNINTERRUPTIBLE POWER SUPPLY
HTR	HEATER	UTP	UNSHIELDED TWISTED PAIR
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING	V	
HZ	HERTZ	V	VOLT
I		VA	VOLT-AMPERE
ID	INSIDE DIAMETER	VAC	VACUUM
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS ILLUMINATING ENGINEERING SOCIETY	VERT	VERTICAL
IES	ISOLATED GROUND	VFD	VARIABLE FREQUENCY DRIVE
IG		W	
J		W	WATT, WIDTH
J-BOX	JUNCTION BOX	W/	WITH
K		W/O	WITHOUT
KCMIL	1000 CIRCULAR MILS	WP	WEATHER-PROOF
KV	KILOVOLT	X	
KVA	KILOVOLT-AMPS	XFMR	TRANSFORMER
KW	KILOWATT		
KWH	KILOWATT-HOUR		
L			
LF	LINEAR FEET		
LRA	LOCKED ROTOR AMPS		
LSIG	BREAKER GROUND TRIP,		
LTG	LONG/SHORT/INSTANT GROUND FAULT LIGHTING		

ELECTRICAL SYMBOLS (ALL SYMBOLS SHOWN ARE NOT NECESSARILY USED ON DRAWINGS)	
RECEPTACLES AND OUTLETS	
Ⓢ	SIMPLEX WALL RECEPTACLE, NEMA 5-20R, 20A, 125V
Ⓢ	'C' DENOTES CLOCK OUTLET
Ⓢ	JUNCTION BOX
CIRCUITING AND WIRING	
---	CIRCUIT EXPOSED OR ABOVE GRADE
---	CIRCUIT BELOW SLAB OR GRADE OR CAST IN SLAB ABOVE GRADE UNLESS OTHERWISE NOTED.
3LA-2,4	HOMERUN TO PANEL WITH CIRCUIT NUMBER(S) AS INDICATED.
○	CONDUIT UP
○	CONDUIT DOWN
▭	ENCASED CONDUITS
☒	PULLBOX/HANDHOLE. SUBSCRIPT DENOTES ID.
ELECTRICAL EQUIPMENT	
▨	PANELBOARD OR TECHNOLOGY CABINET - AS NOTED ON PLANS.
○/C	OPEN/CLOSE SIGN
MISCELLANEOUS	
①	DRAWING NOTE REFERENCE (NOTES BY SYMBOL)
GENERAL NOTES	
A.	REFER TO SPECIFICATIONS FOR MATERIALS AND METHODS FOR ELECTRICAL CONSTRUCTION. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 70, 2017 NEC AND ALL HAS STANDARDS.
B.	REFER TO THE LANE LAYOUT PLANS FOR EXACT LOCATION OF ALL LANE EQUIPMENT.
C.	ALL CIRCUITING: 2#12, 1#12G, UNLESS NOTED OTHERWISE ON THE DRAWINGS OR IN THE SPECIFICATIONS.
D.	MINIMUM SIZE CONDUIT FOR HOMERUNS IS 3/4" C. UNLESS OTHERWISE NOTED
E.	BOND AND GROUND ALL PANELS, BOXES, RACKS, JUNCTION BOXES, DISCONNECTS, ETC PER 2017 NEC SECTION 250.
F.	ALL EQUIPMENT, BOOTHS, HVAC THAT IS BEING DEMOLISHED SHALL HAVE ALL WIRING AND EXPOSED OR ACCESSIBLY EMPTY CONDUIT REMOVED BACK TO THE SOURCE. RE-LABEL SOURCE AS SPARE. WHERE SOURCE EQUIPMENT BECOMES UNUSED DUE TO DEMOLITION SCOPE, THEN REMOVED ASSOCIATED SOURCE EQUIPMENT.
G.	ALL NEW EQUIPMENT INSTALLED OUTDOORS MUST BE A MINIMUM NEMA 4 RATED
H.	ARRANGE WITH AUTHORITIES AND UTILITY COMPANIES FOR PERMITS, FEES, AND SERVICE CONNECTIONS, VERIFYING LOCATIONS AND ARRANGEMENT AND PAYING ALL CHARGES, INCLUDING INSPECTIONS.
I.	COORDINATE WORK WITH CIVIL AND/OR ARCHITECTURAL FEATURES AND COORDINATE WORK SO THAT INTERFERENCES BETWEEN CONDUITS, LIGHTING, EQUIPMENT, PAVEMENT WORK, AND LANDSCAPING WILL BE AVOIDED.
J.	THE ELECTRICAL CONTRACTOR SHALL PHASE WORK SO THAT ALL PARKING ISLANDS, SPACES AND STRUCTURES ARE LOCATED PRIOR TO ROUGH-IN OF ELECTRICAL EQUIPMENT. LOCATE ALL PARKING POLES IN CENTER OF PARKING LANES AND IN PARKING SPACE QUADRANT AND/OR ISLANDS AS SHOWN ON THE CONTRACT DRAWINGS. POLES SHALL BE SPACED AND ALIGNED TO PROVIDE CONSISTENCY THROUGH-OUT LOT. VARIATIONS WILL OCCUR AS THERE IS NO CONDUIT OR STRUCTURE ALLOWED TO BE LOCATED WITHIN THE TREE CONSERVATION AREAS. THE CONTRACTOR SHALL STAKE ALL STRUCTURE AND POLE LOCATIONS FOR APPROVAL BY ENGINEER AND/OR OWNER BEFORE BEGINNING CONSTRUCTION.
K.	ENSURE THAT THE ENTIRE SYSTEM AND ITS COMPONENT ITEMS OF EQUIPMENT OPERATES WITHOUT OBJECTIONABLE VIBRATION OR NOISE.



MOUNTING HEIGHTS (UNLESS OTHERWISE NOTED)

WALL SWITCHES-42" A.F.F. TO CENTER OF SWITCH.

WALL RECEPTACLES:

FINISHED AREAS-18" A.F.F. TO CENTER OF RECEPTACLE.

UNFINISHED AREAS- 42" A.F.F. TO CENTER OF RECEPTACLE.

WALL TELEPHONE/DATA OUTLETS:

FINISHED AREAS-18" A.F.F. TO CENTER OF OUTLET.

UNFINISHED AREAS- 42" A.F.F. TO CENTER OF OUTLET.

PUBLIC TELEPHONES-42" A.F.F. TO CENTER OF OUTLET.

HANDICAP TELEPHONES-32" A.F.F. TO CENTER OF OUTLET.

**HOUSTON AIRPORT SYSTEM**  
**GEORGE BUSH INTERCONTINENTAL**  
**AIRPORT/HOUSTON TEXAS**

**Kimley-Horn**

KIMLEY-HORN ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
FAX: 281-475-2817  
WWW.KIMLEY-HORN.COM

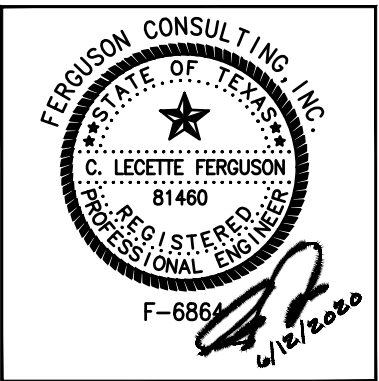
**Ferguson Consulting**  
Consulting in Electrical, Security and  
Infrastructure Engineering

FERGUSON CONSULTING, INC.  
10000 GRIFFIN HILL RD, SUITE 400  
DALLAS, TEXAS 75243  
(214) 353-0000

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	PERMIT REVISION 1	06/12/20	FCI

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
SYMBOLS AND ABBREVIATIONS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

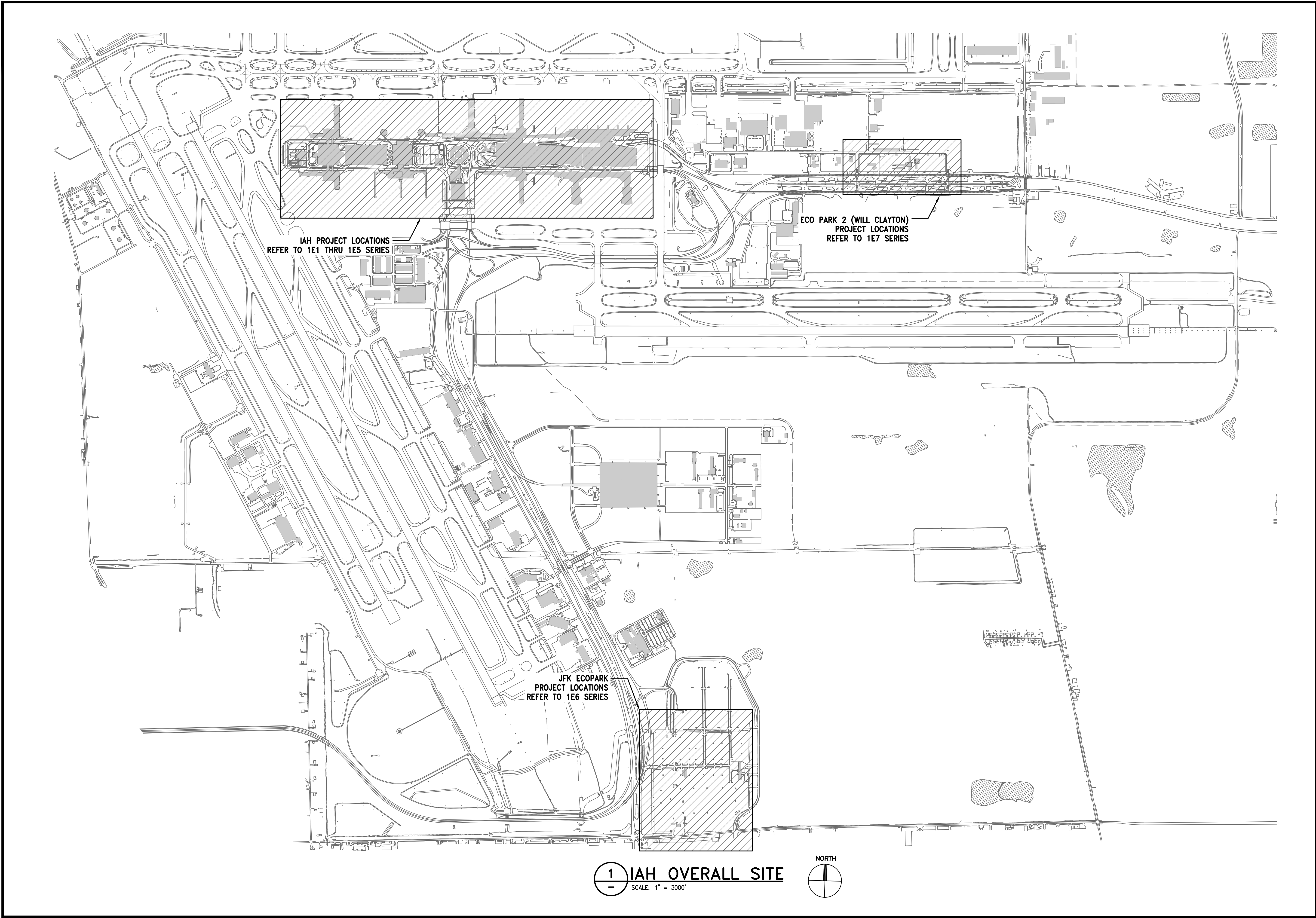
DIRECTOR  
HOUSTON AIRPORT SYSTEM


PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.


0E0-001








**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS



**Kinley Horn**  
KINLEY-HORN ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FIRM REGISTRATION # 628  
WWW.KINLEY-HORN.COM



**Ferguson Consulting**  
Consultants in Consulting, Engineering, and  
Environmental Services  
FERGUSON CONSULTING, INC.  
15002 ROCKING HILL RD., SUITE 400  
THE WOODLANDS, TEXAS 77380  
(281) 260-1500 FAX (281) 260-1504


REVISIONS

NO.	DESCRIPTION	DATE	BY

**PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)**

**IAH PARKING SYSTEM OVERALL SITE PLAN**

PROJECT MGR: LF  
DESIGNER: PM  
DRAWN BY: FR  
CHECKED BY: LF  
SCALE: AS SHOWN  
DATE: 2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**

C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**

SHEET NO.  
**1E0-101**





HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley-Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLARK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FIRM REGISTRATION # 628  
WWW.KIMLEY-HORN.COM

**Ferguson Consulting**  
CONSULTANTS IN CONSULTING, ENGINEERING, AND  
ARCHITECTURE  
FERGUSON CONSULTING, INC.  
1002 ROCKWELL HILL RD. SUITE 400  
THE WOODLANDS, TEXAS 77380  
(281) 260-1000 FAX (281) 260-1004

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
IAH OVERALL TERMINAL SITE PLAN

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



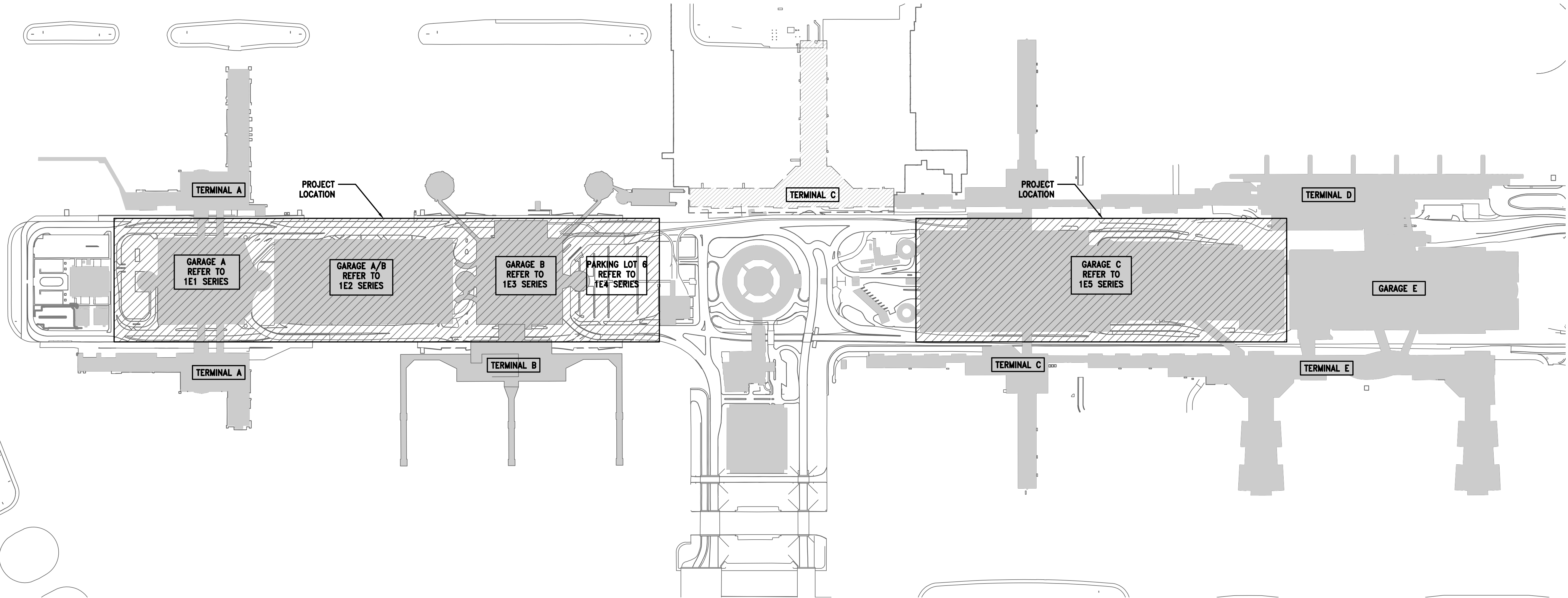
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

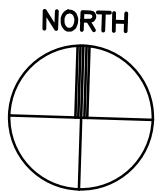
PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1E0-102



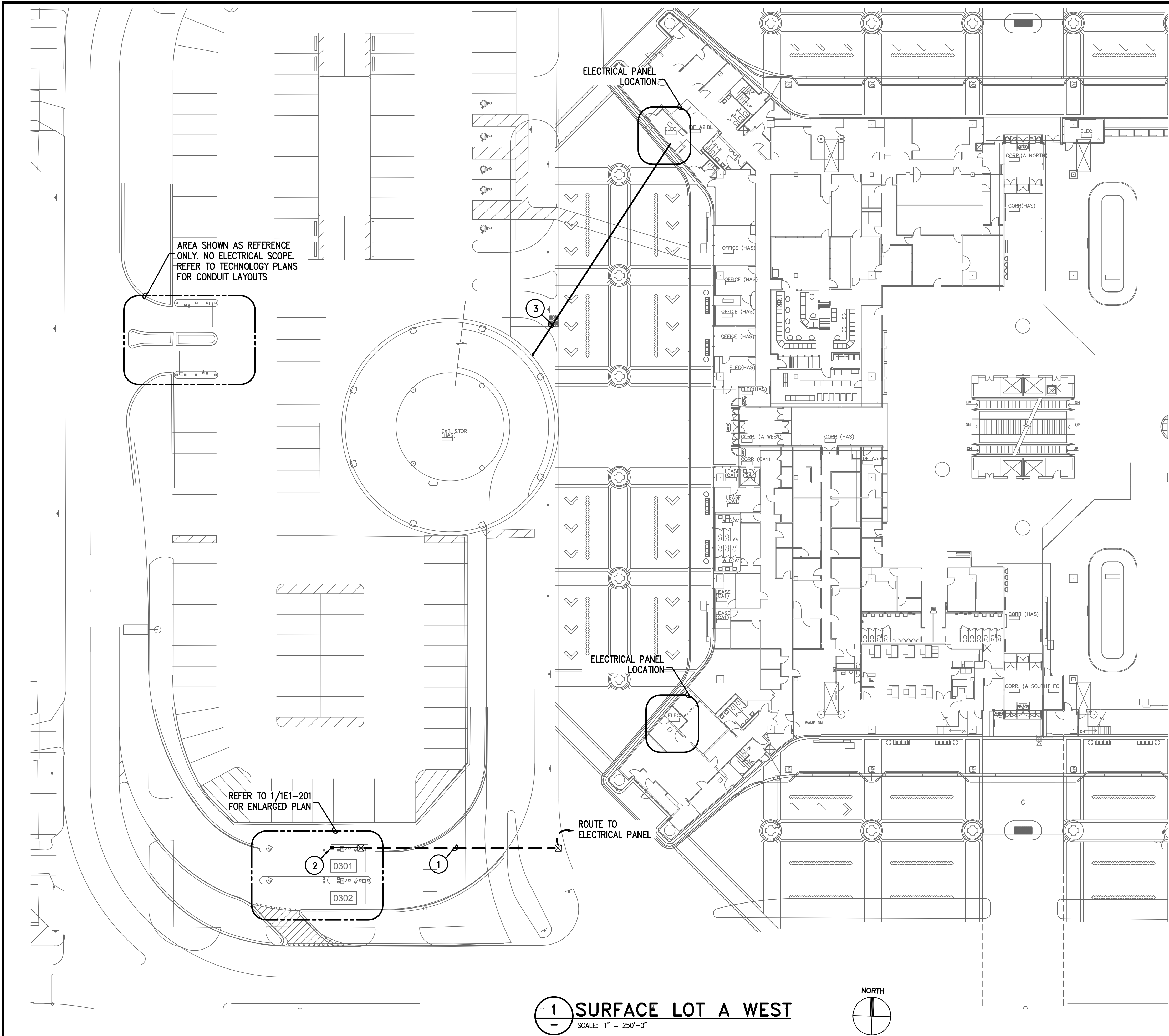
1 IAH OVERALL SITE  
SCALE: 1" = 3000'











**GENERAL NOTES:**

1. EXISTING CONDITIONS TAKEN FROM AS-BUILTS AND CASUAL SITE OBSERVATIONS. VERIFY EXACT LOCATIONS OF ELECTRICAL PANELS, QUANTITY OF BREAKERS AND CAPACITIES. COORDINATE WITH IAH ELECTRICAL DEPARTMENT PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
2. REFER TO TECHNOLOGY PLANS FOR ADDITIONAL CONDUITS, SIZING AND INSTALLATION DETAILS
3. REFER TO CIVIL DRAWINGS FOR EXACT LOCATION OF EQUIPMENT
4. REFER TO 1EX-200 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
5. REFER TO 1EX-300 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
6. REFER TO 1EX-400 SERIES FOR EQUIPMENT DETAILS

**KEYED NOTES:**

- ① INSTALL NEW 2#10 & 1#10G THWN/XHHW CONDUCTOR IN EXISTING CONDUIT. ROUTE BACK TO ELECTRICAL PANEL. INSTALL NEW DEDICATED 20/1 GFCI BREAKER IN PANEL
- ② TECHNOLOGY CABINET LOCATION. PROVIDE DEDICATED QUAD RECEPTACLE WITH GFCI PROTECTION. REFER TO 1EO-401 FOR CABINET DETAIL.
- ③ 1" RGS W/2#10, 1#10G DEDICATED CKT. ROUTE BACK TO ELECTRICAL PANEL. REPLACE SPARE 20A/1P BREAKER IN EXISTING ELECTRICAL PANEL WITH NEW GFI BREAKER.

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

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KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLARK FOREST DRIVE, SUITE 225  
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**Ferguson Consulting**  
CONSULTING ENGINEERS  
1000 WOODLARK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TEXAS 77380  
PH: 281-475-2816 FAX: 281-475-2817

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	PERMIT REVISION 1	06/12/20	FCI

**PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
A GARAGE LVL 1 WEST**

PROJECT MGR: LF  
DESIGNER: PM  
DRAWN BY: FR  
CHECKED BY: LF  
SCALE: AS SHOWN  
DATE: 2/28/2020

**FERGUSON CONSULTING, INC.**  
STATE OF TEXAS  
C. LEGETTE FERGUSON  
81460  
REGISTERED PROFESSIONAL ENGINEER  
F-6864  
wlf/fer

APPROVED BY: DATE:

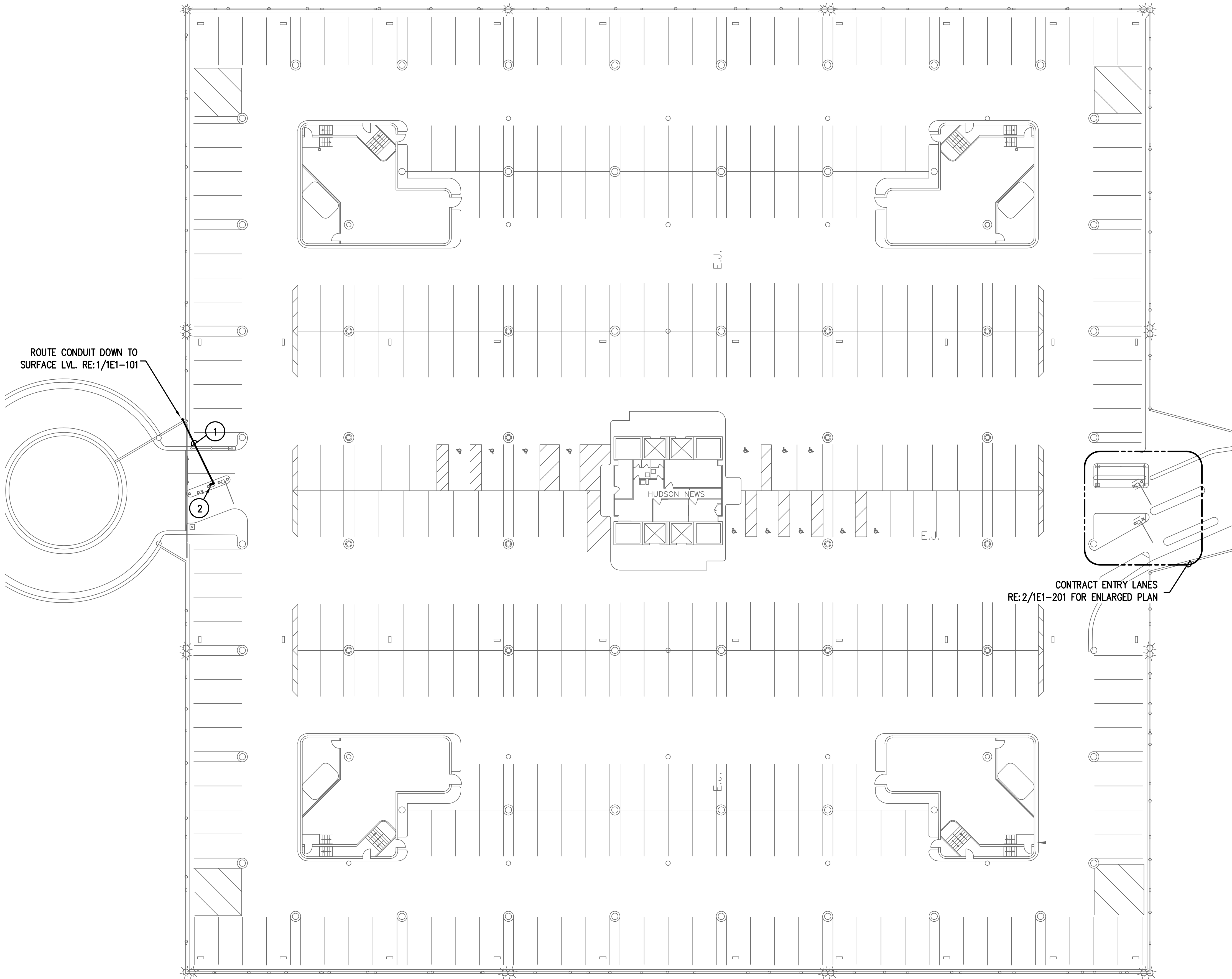
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

**1E1-101**





**GENERAL NOTES:**

- EXISTING CONDITIONS TAKEN FROM AS-BUILTS AND CASUAL SITE OBSERVATIONS. VERIFY EXACT LOCATIONS OF ELECTRICAL PANELS, QUANTITY OF BREAKERS AND CAPACITIES. COORDINATE WITH IAH ELECTRICAL DEPARTMENT PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
- REFER TO TECHNOLOGY PLANS FOR ADDITIONAL CONDUITS, SIZING AND INSTALLATION DETAILS
- REFER TO CIVIL DRAWINGS FOR EXACT LOCATION OF EQUIPMENT
- REFER TO 1EX-200 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1EX-300 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1EX-400 SERIES FOR EQUIPMENT DETAILS

**KEYED NOTES:**

- PROVIDE 1" RGS W/ 2#10,1#10G DEDICATED CKT. ROUTE BACK TO ELECTRICAL PANEL. REPLACE SPARE 20A/1P BREAKER IN EXISTING ELECTRICAL PANEL WITH NEW GFI BREAKER. RE:1/1E1-101 FOR ELECTRICAL CLOSET LOCATION
- TECHNOLOGY CABINET LOCATION. PROVIDE DEDICATED QUAD RECEPTACLE WITH GFCI PROTECTION. REFER TO 1EO-401 FOR CABINET DETAILS

**HOUSTON AIRPORT SYSTEM**  
**GEORGE BUSH INTERCONTINENTAL**  
**AIRPORT/HOUSTON TEXAS**

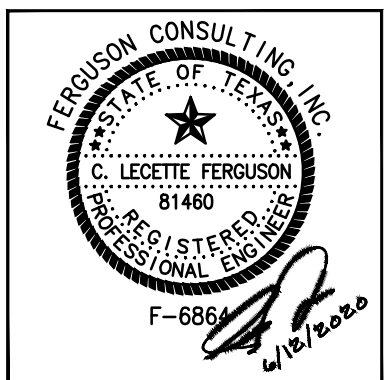
**Kimley-Horn**  
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THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
FAX: 281-475-2817  
WWW.FERGUSONCONSULTING.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY
1	PERMIT REVISION 1	06/12/20 FCI

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
A GARAGE LVL 1 WEST

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

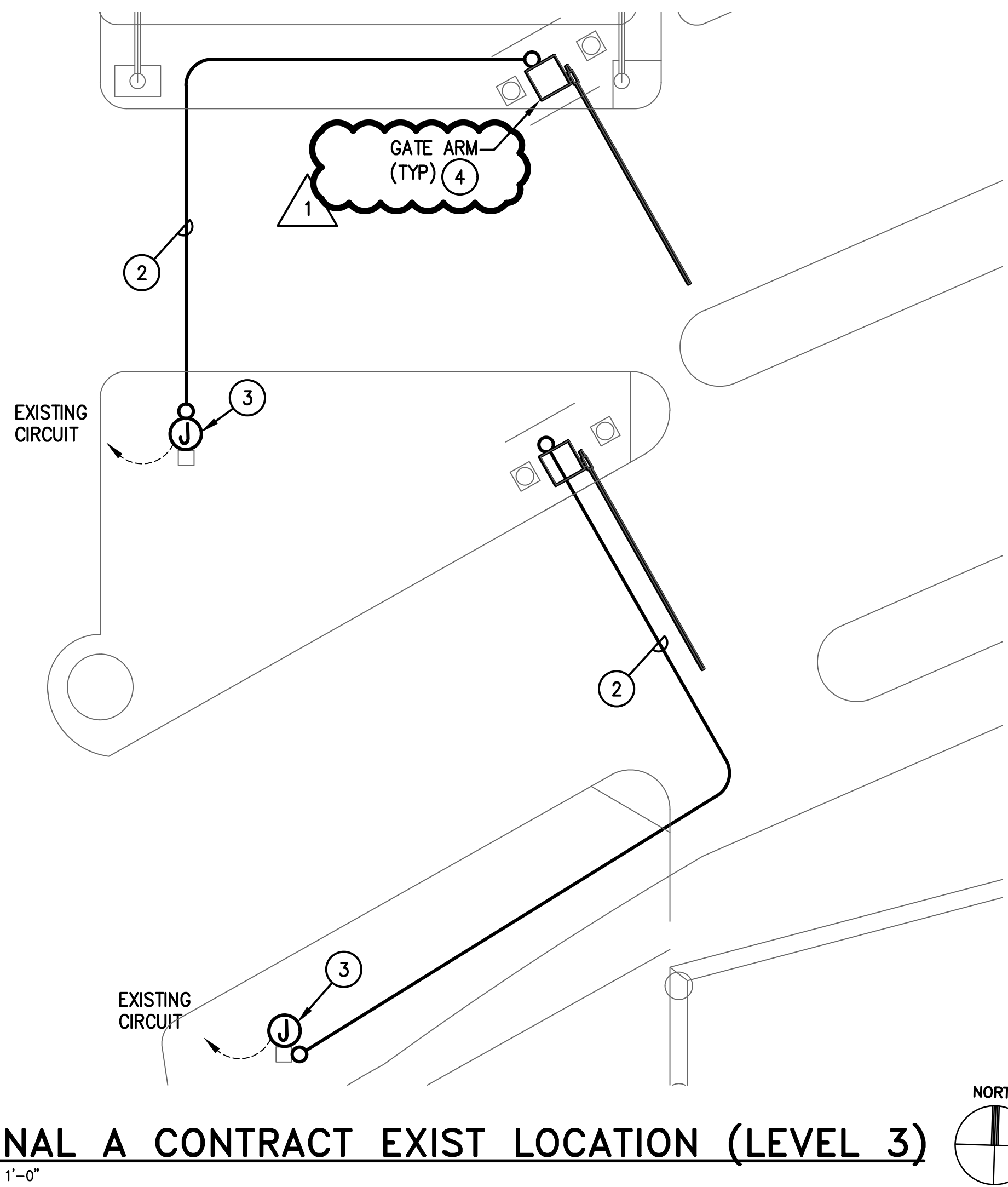
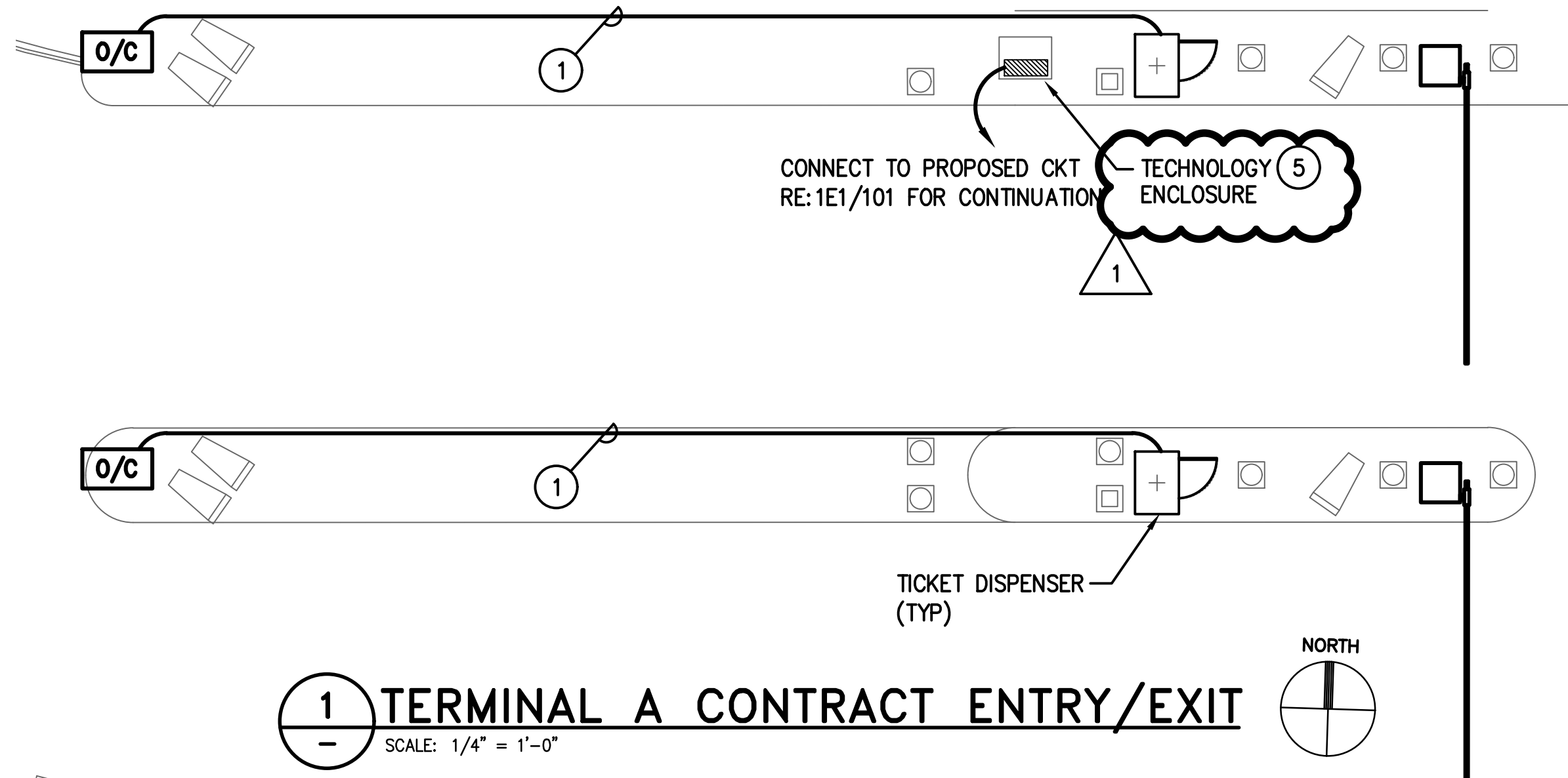
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1E1-102





### GENERAL NOTES:

1. ALL EXISTING CIRCUIT INFORMATION HAS BEEN OBTAINED FROM AS-BUILT DOCUMENTS AND CASUAL FIELD OBSERVATION. FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.
2. REFER TO TECHNOLOGY PLANS FOR ADDITIONAL EQUIPMENT ROUGH IN REQUIREMENTS FOR LOW VOLTAGE CABLES. ALL CONDUIT ROUGH IN FOR LOW VOLTAGE CABLES TO BE INSTALLED FOLLOWING DIVISION 27 REQUIREMENTS
3. ALL CONDUIT/CONDUCTOR TO BE 1" RGS W/ 2#12,1#12 G UON. CONFIRM SIZING REQUIREMENTS W/ MFG PRIOR TO INSTALLATION

### KEYED NOTES:

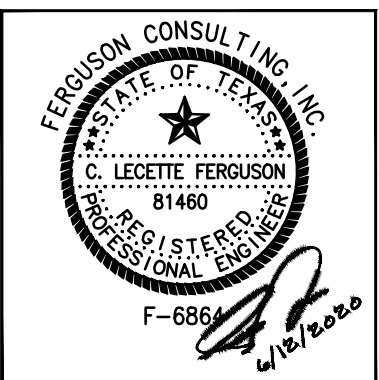
1. PROPOSED 1/2" RGS W/ 2#12 & 1#12 CU GND. SPLICE PROPOSED CONDUCTOR W/ EXISTING CIRCUIT IN TICKET DISPENSER/JUNCTION BOX
2. PROPOSED 1" RGS W/ 2#10 & 1#10 CU GND. SPLICE PROPOSED CONDUCTOR W/ EXISTING CIRCUIT IN JUNCTION BOX. VERIFY AND MATCH EXISTING CONDUCTOR SIZES PRIOR TO INSTALLATION
3. APPROXIMATE LOCATION OF FORMER GATE ARM. INSTALL JUNCTION BOX AND 4"x4" STEEL POLE FROM GRADE TO BOTTOM OF GARAGE CEILING
4. GATE ARM IS BEING REPLACED. RE-CONNECT TO EXISTING CONDUCTORS. MODIFY EXISTING CIRCUITS TO PROVIDE GFCI PROTECTION.
5. PROVIDE DEDICATED QUAD RECEPTACLE WITH GFCI PROTECTION. REFER TO 1E0-401 FOR CABINET DETAILS.



REVISIONS		
NO.	DESCRIPTION	DATE BY
1	PERMIT REVISION 1	06/12/20 FCI

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
IAH A GARAGE ENLARGED PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



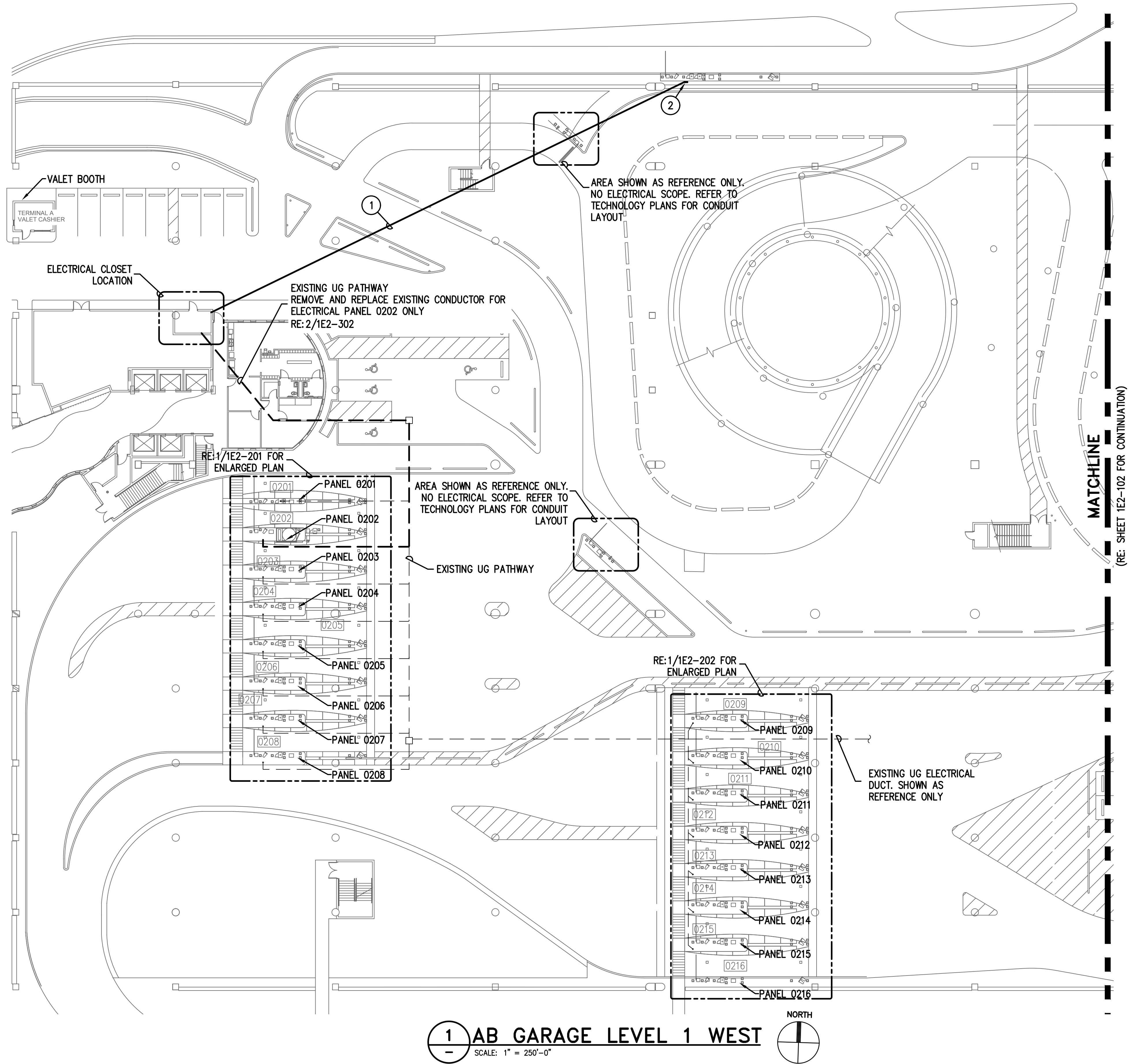
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.  
H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1E1-201



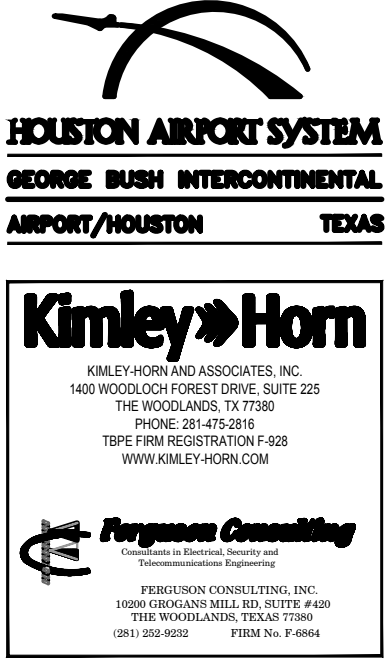


### GENERAL NOTES:

- EXISTING CONDITIONS TAKEN FROM AS-BUILTS AND CASUAL SITE OBSERVATIONS. VERIFY EXACT LOCATIONS OF ELECTRICAL PANELS, QUANTITY OF BREAKERS AND CAPACITIES. COORDINATE WITH IAH ELECTRICAL DEPARTMENT PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
- REFER TO TECHNOLOGY PLANS FOR ADDITIONAL CONDUITS, SIZING AND INSTALLATION DETAILS
- REFER TO CIVIL DRAWINGS FOR EXACT LOCATION OF EQUIPMENT
- REFER TO 1EX-200 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1EX-300 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1EX-400 SERIES FOR EQUIPMENT DETAILS

### KEYED NOTES:

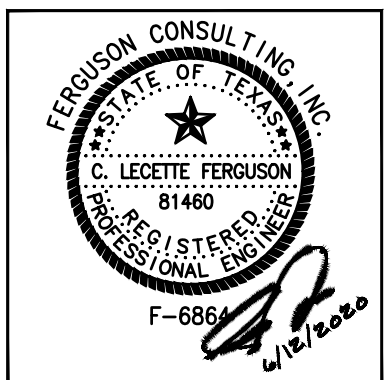
- PROVIDE POWER FOR TECHNOLOGY CABINET. INSTALL 2#10, 1#10 G. UTILIZE EXISTING PATHWAYS WHERE POSSIBLE. INSTALL 1" RGS OH TO LOCAL ELECTRICAL CLOSET WHERE EXISTING PATHWAYS ARE NOT AVAILABLE. UTILIZE SPARE 20A/1P BREAKER WHERE POSSIBLE. INSTALL NEW 20A/1P BREAKER WHERE SPARES ARE NOT AVAILABLE. VERIFY EXISTING CONDITIONS AND PANEL BOARD CAPACITY PRIOR TO MODIFICATIONS
- TECHNOLOGY CABINET LOCATION. PROVIDE DEDICATED QUAD RECEPTACLE WITH GFCI PROTECTION. REFER TO 1E0-401 FOR CABINET DETAILS



REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	PERMIT REVISION 1	06/12/20	FCI

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
AB GARAGE OVERALL SITE WEST

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

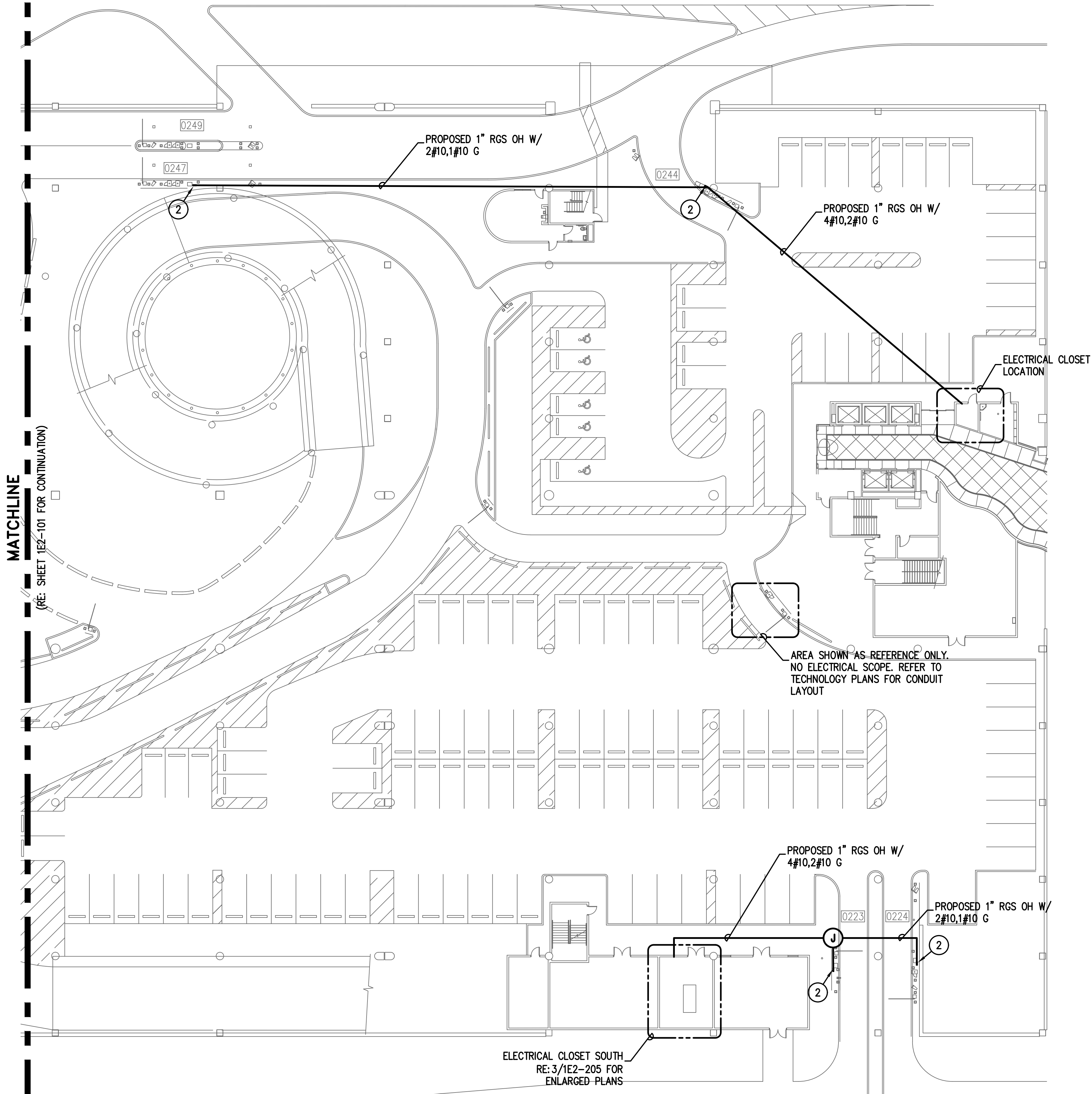
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1E2-101





**GENERAL NOTES:**

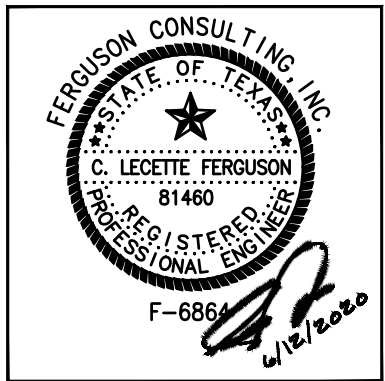
- EXISTING CONDITIONS TAKEN FROM AS-BUILTS AND CASUAL SITE OBSERVATIONS. VERIFY EXACT LOCATIONS OF ELECTRICAL PANELS, QUANTITY OF BREAKERS AND CAPACITIES. COORDINATE WITH IAH ELECTRICAL DEPARTMENT PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
- REFER TO TECHNOLOGY PLANS FOR ADDITIONAL CONDUITS, SIZING AND INSTALLATION DETAILS
- REFER TO CIVIL DRAWINGS FOR EXACT LOCATION OF EQUIPMENT
- REFER TO 1EX-200 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1EX-300 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1EX-400 SERIES FOR EQUIPMENT DETAILS

**KEYED NOTES:**

- 1 PROVIDE POWER FOR TECHNOLOGY CABINET. INSTALL 2#10, 1#10 G. UTILIZE EXISTING PATHWAYS WHERE POSSIBLE. INSTALL 1" RGS OH TO LOCAL ELECTRICAL CLOSET WHERE EXISTING PATHWAYS ARE NOT AVAILABLE. UTILIZE SPARE 20A/1P BREAKER WHERE POSSIBLE. INSTALL NEW 20A/1P BREAKER WHERE SPARES ARE NOT AVAILABLE. VERIFY EXISTING CONDITIONS AND PANEL BOARD CAPACITY PRIOR TO MODIFICATIONS
- 2 TECHNOLOGY CABINET LOCATION. PROVIDE DEDICATED QUAD RECEPTACLE WITH GFCI PROTECTION. REFER TO 1E0-401 FOR CABINET DETAILS

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
AB GARAGE OVERALL SITE EAST

PROJECT MGR: LF  
DESIGNER: PM  
DRAWN BY: FR  
CHECKED BY: LF  
SCALE: AS SHOWN  
DATE: 2/28/2020



APPROVED BY: DATE:

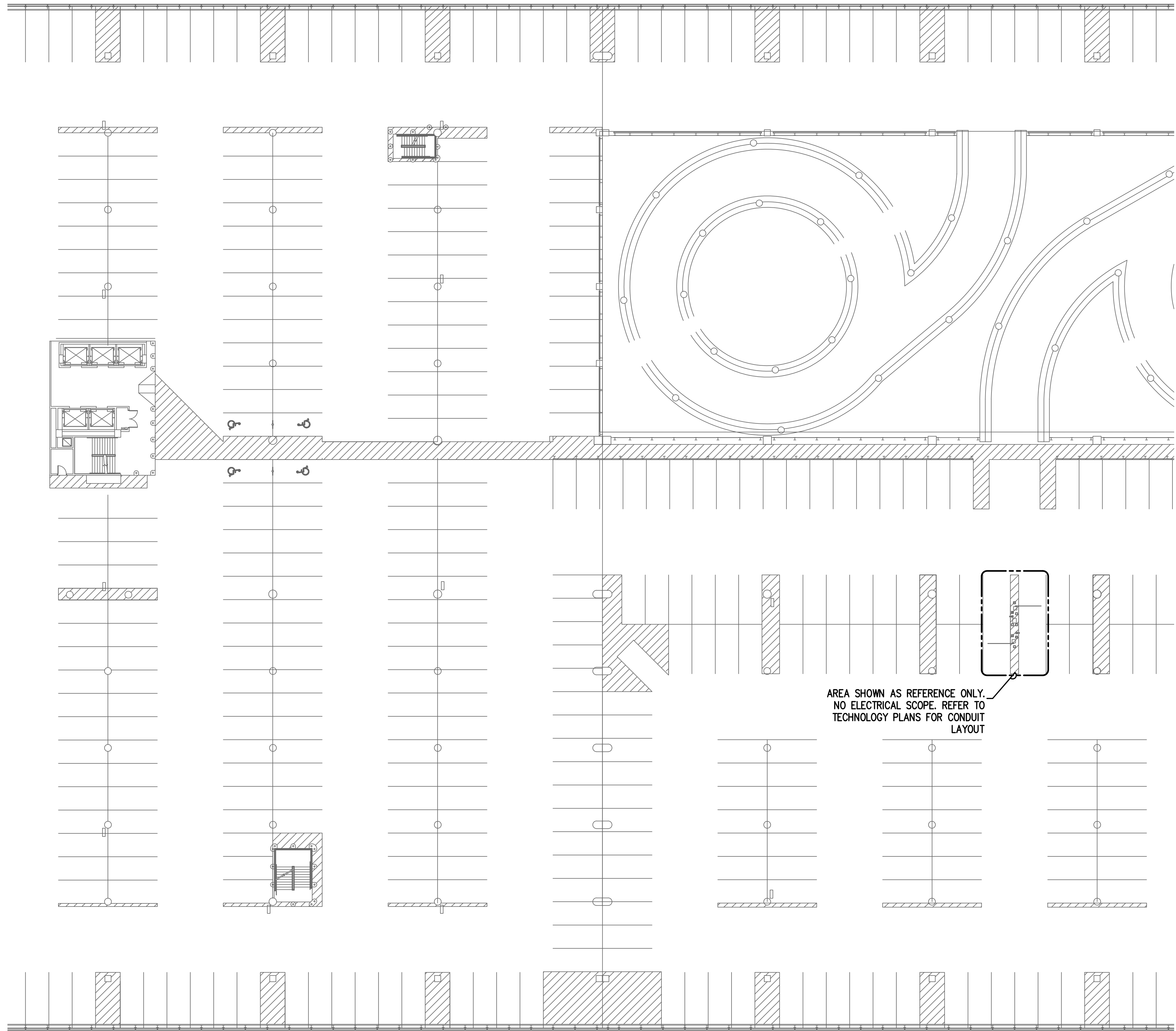
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

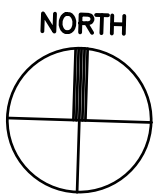
1E2-102





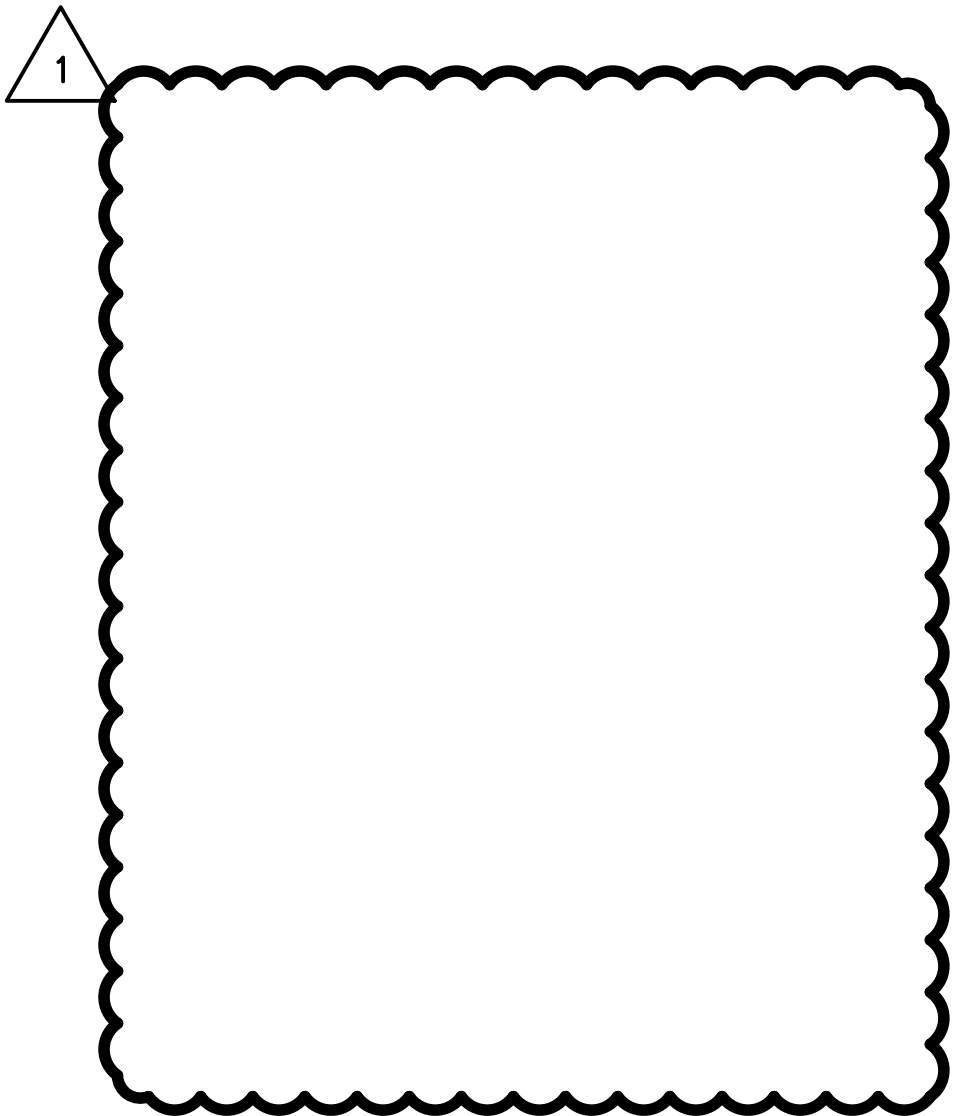
AREA SHOWN AS REFERENCE ONLY.  
NO ELECTRICAL SCOPE. REFER TO  
TECHNOLOGY PLANS FOR CONDUIT  
LAYOUT

**1** A/B GARAGE LEVEL 7  
SCALE: 1" = 250'-0"



**GENERAL NOTES:**

- EXISTING CONDITIONS TAKEN FROM AS-BUILTS AND CASUAL SITE OBSERVATIONS. VERIFY EXACT LOCATIONS OF ELECTRICAL PANELS, QUANTITY OF BREAKERS AND CAPACITIES. COORDINATE WITH IAH ELECTRICAL DEPARTMENT PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
- REFER TO TECHNOLOGY PLANS FOR ADDITIONAL CONDUITS, SIZING AND INSTALLATION DETAILS
- REFER TO CIVIL DRAWINGS FOR EXACT LOCATION OF EQUIPMENT
- REFER TO 1EX-200 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1EX-300 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1EX-400 SERIES FOR EQUIPMENT DETAILS



PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
AB GARAGE OVERALL SITE LEVEL 7

PROJECT MGR: LF  
DESIGNER: PM  
DRAWN BY: FR  
CHECKED BY: LF  
SCALE: AS SHOWN  
DATE: 2/28/2020



APPROVED BY: DATE:

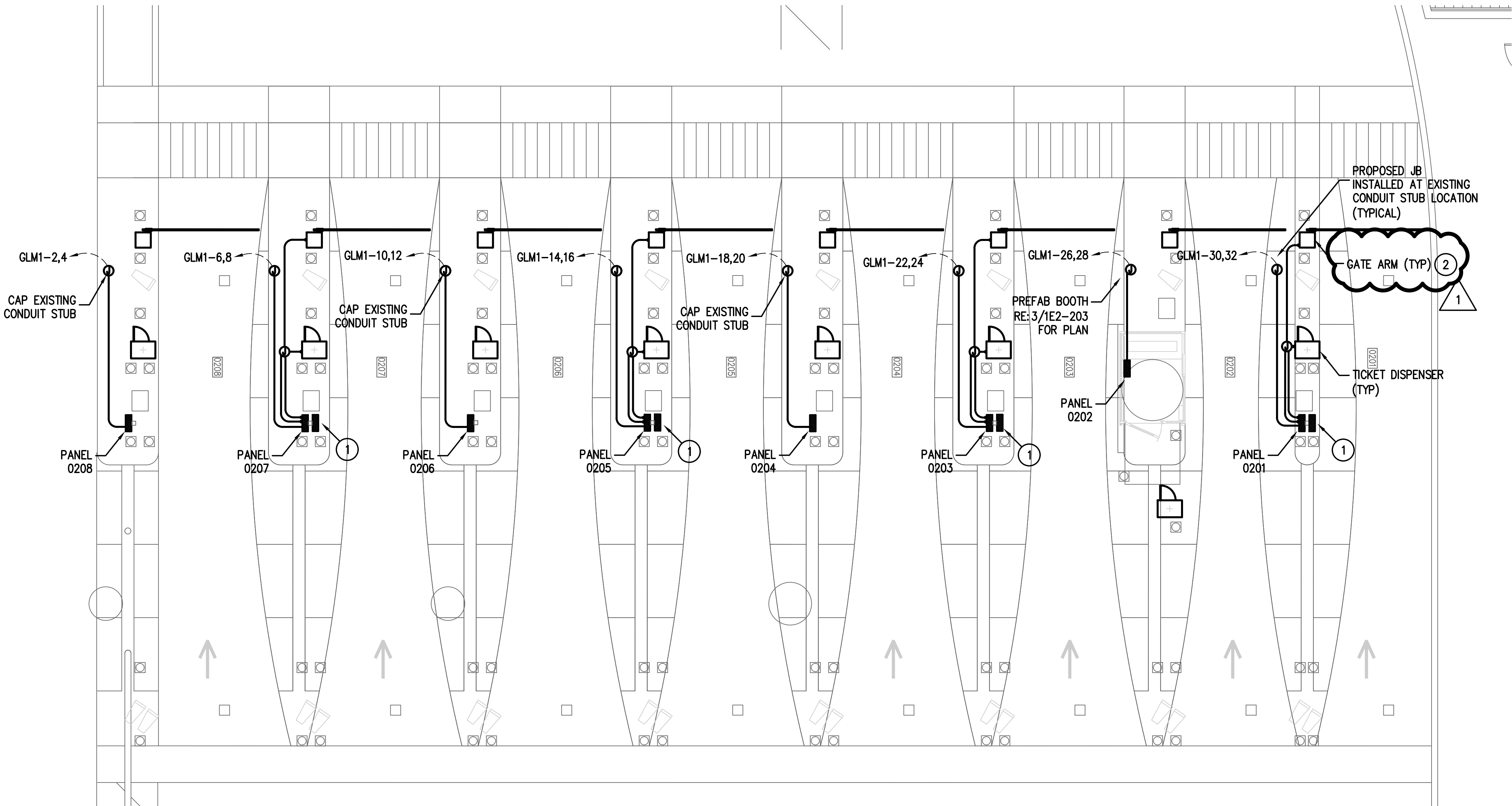
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

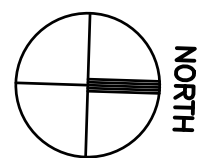
H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1E2-103





**1** A/B GARAGE EXPRESS EXIT PLAZA NORTH LANES ENLARGED PLAN  
SCALE: 3/16" = 1'-0"



**GENERAL NOTES:**

1. ALL EXISTING CIRCUIT INFORMATION HAS BEEN OBTAINED FROM AS-BUILT DOCUMENTS AND CASUAL FIELD OBSERVATION. FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.
2. REFER TO TECHNOLOGY PLANS FOR ADDITIONAL EQUIPMENT ROUGH IN REQUIREMENTS FOR LOW VOLTAGE CABLES. ALL CONDUIT ROUGH IN FOR LOW VOLTAGE CABLES TO BE INSTALLED FOLLOWING DIVISION 27 REQUIREMENTS
3. ALL CONDUIT/CONDUCTOR TO BE 1" RGS W/ 2#12,1#12 G UON. CONFIRM SIZING REQUIREMENTS W/ MFG PRIOR TO INSTALLATION

**KEYED NOTES:**

1. TECHNOLOGY CABINET LOCATION. PROVIDE DEDICATED QUAD RECEPTACLE WITH GFCI PROTECTION. REFER TO E0-401 FOR CABINET DETAILS.
2. GATE ARM IS BEING REPLACED. RE-CONNECT TO EXISTING CONDUCTORS. MODIFY EXISTING CIRCUITS TO PROVIDE GFCI PROTECTION.

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
AB GARAGE ENLARGED PLANS

PROJECT MGR: LF  
DESIGNER: PM  
DRAWN BY: FR  
CHECKED BY: LF  
SCALE: AS SHOWN  
DATE: 2/28/2020



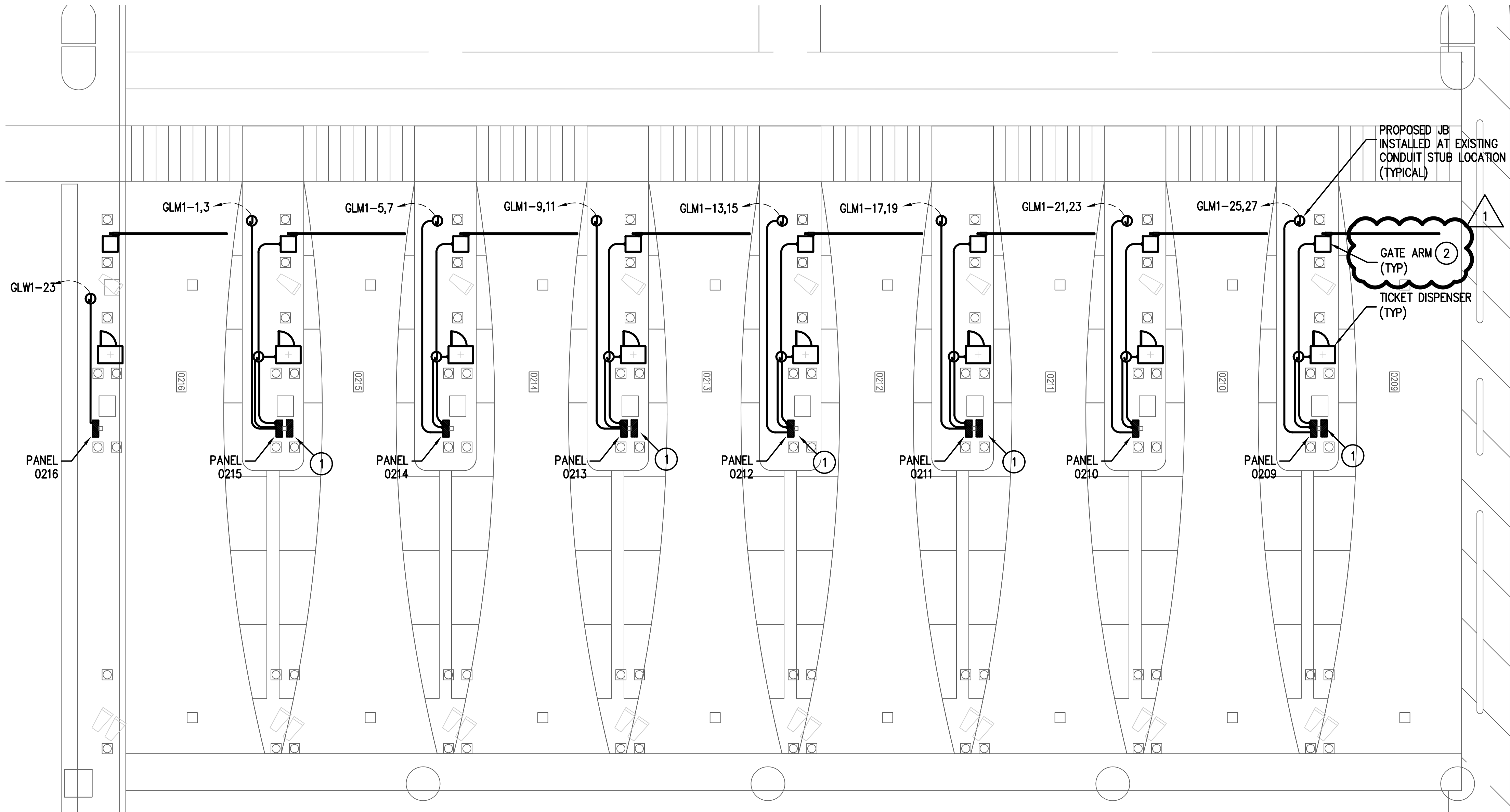
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

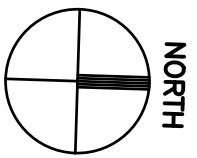
PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.





**1** A/B GARAGE EXPRESS EXIT PLAZA SOUTH LANES ENLARGED PLAN  
SCALE: 1/4" = 1'-0"



### GENERAL NOTES:

1. ALL EXISTING CIRCUIT INFORMATION HAS BEEN OBTAINED FROM AS-BUILT DOCUMENTS AND CASUAL FIELD OBSERVATION. FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.
2. REFER TO TECHNOLOGY PLANS FOR ADDITIONAL EQUIPMENT ROUGH IN REQUIREMENTS FOR LOW VOLTAGE CABLES. ALL CONDUIT ROUGH IN FOR LOW VOLTAGE CABLES TO BE INSTALLED FOLLOWING DIVISION 27 REQUIREMENTS
3. ALL CONDUIT/CONDUCTOR TO BE 1" RGS W/ 2#12,1#12 G UON. CONFIRM SIZING REQUIREMENTS W/ MFG PRIOR TO INSTALLATION

### KEYED NOTES:

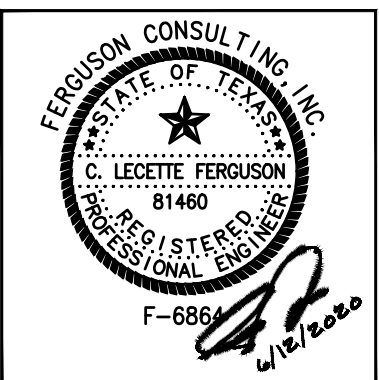
1. TECHNOLOGY CABINET LOCATION. PROVIDE DEDICATED QUAD RECEPTACLE WITH GFCI PROTECTION. REFER TO EO-401 FOR CABINET DETAILS.
2. GATE ARM IS BEING REPLACED. RE-CONNECT TO EXISTING CONDUCTORS. MODIFY EXISTING CIRCUITS TO PROVIDE GFCI PROTECTION.



REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	PERMIT REVISION 1	06/12/20	FCI

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
AB GARAGE ENLARGED PLANS

PROJECT MGR: LF  
DESIGNER: PM  
DRAWN BY: FR  
CHECKED BY: LF  
SCALE: AS SHOWN  
DATE: 2/28/2020



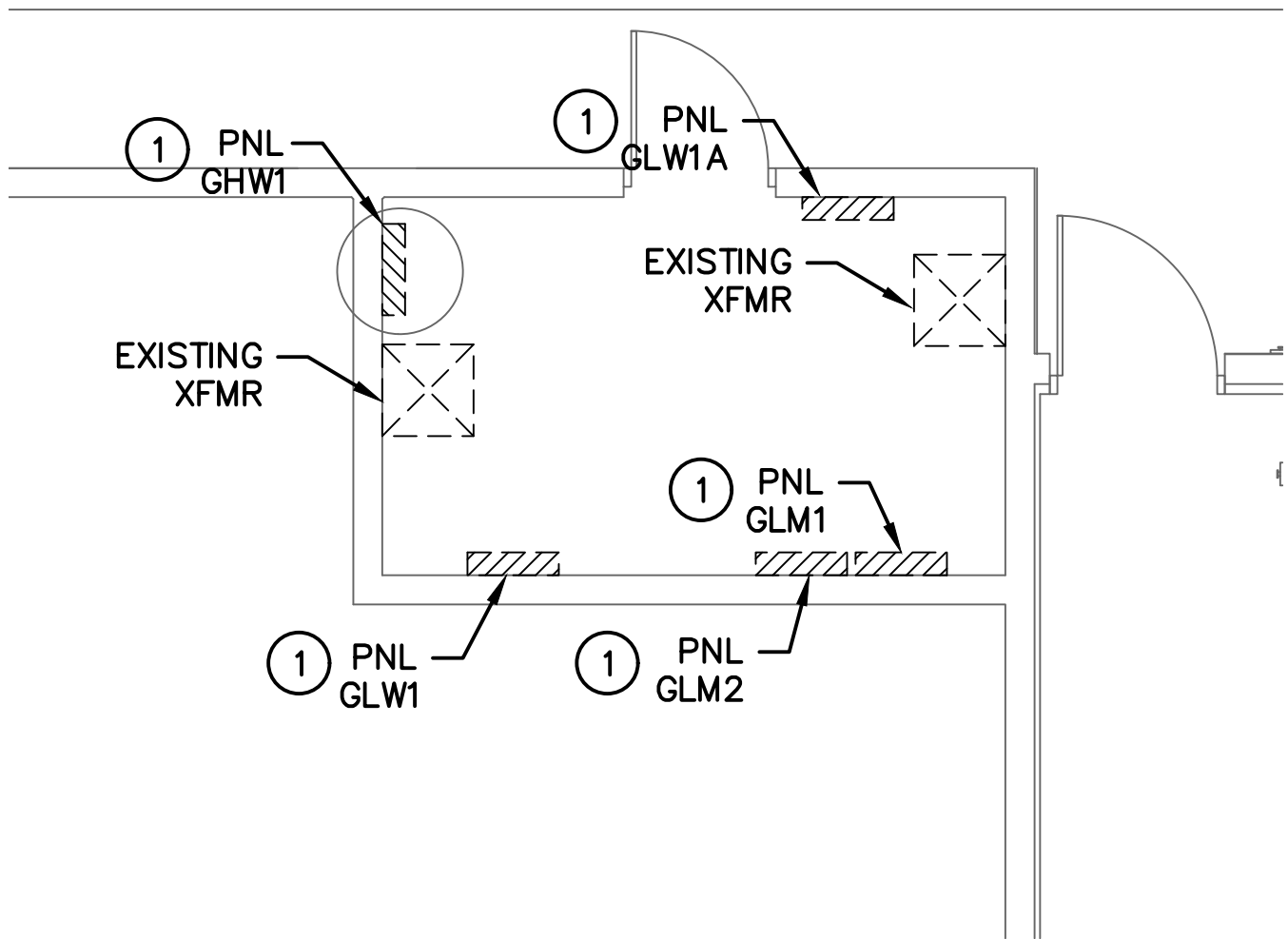
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

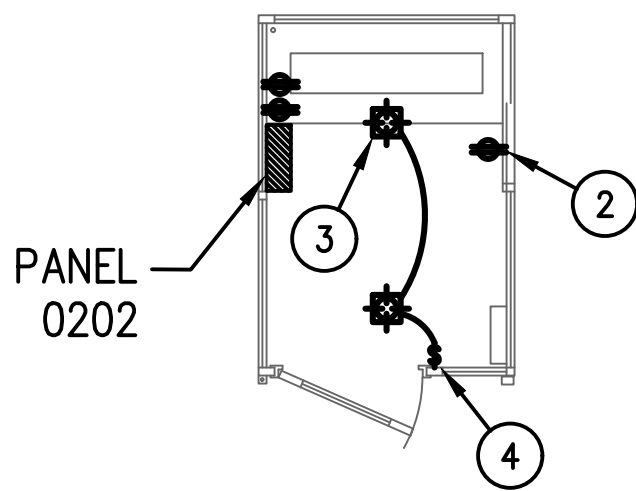
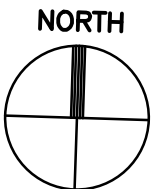
PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

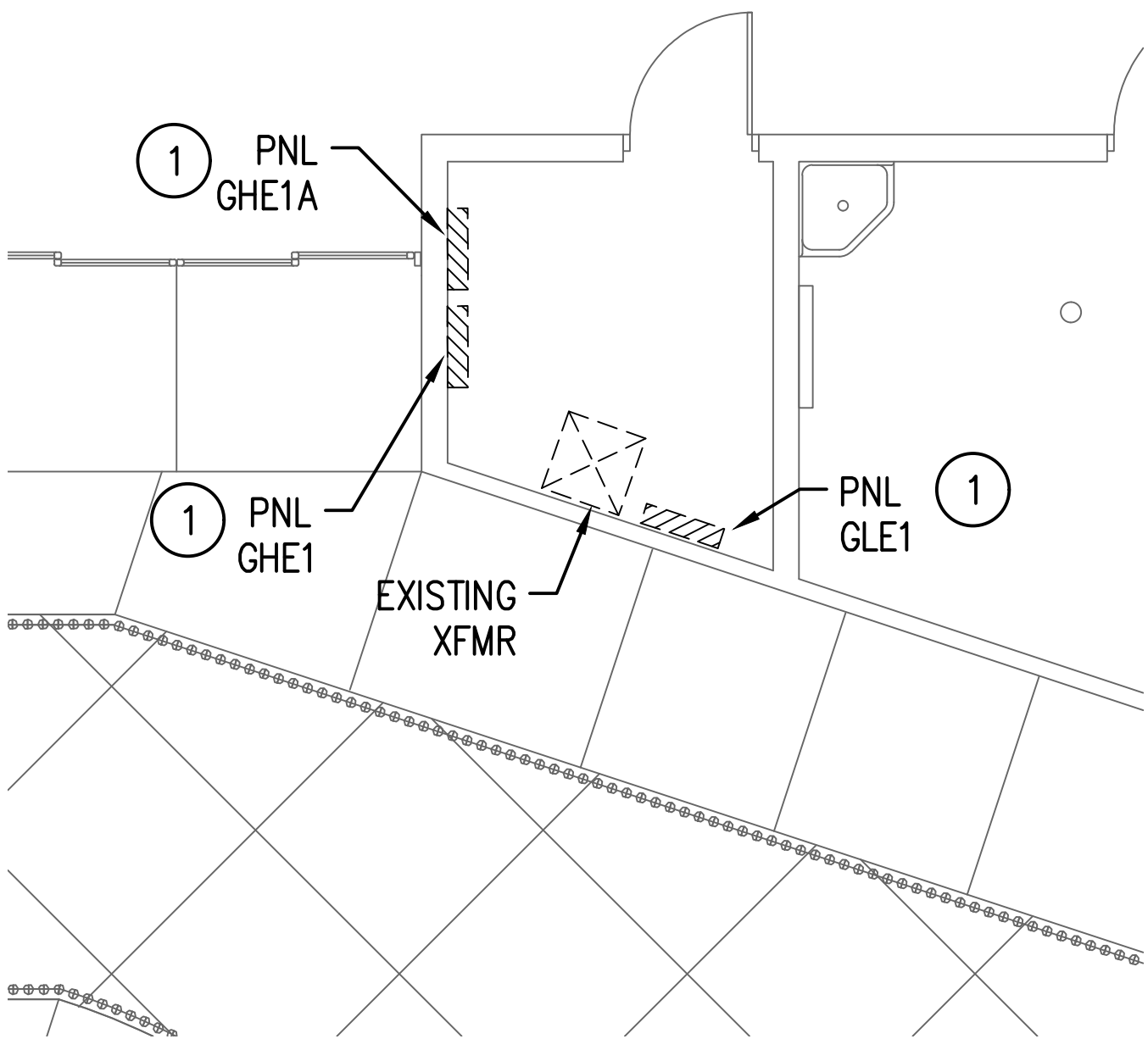
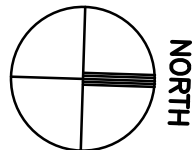




**1 WEST ELECTRICAL CLOSET ENLARGED PLAN**  
SCALE: 1/4" = 1'-0"



**3 LANE 0202 BOOTH**  
SCALE: 1/4" = 1'-0"



**2 EAST ELECTRICAL CLOSET ENLARGED PLAN**  
SCALE: 1/4" = 1'-0"



**GENERAL NOTES:**

1. ALL EXISTING CIRCUIT INFORMATION HAS BEEN OBTAINED FROM AS-BUILT DOCUMENTS AND CASUAL FIELD OBSERVATION. FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.
2. REFER TO TECHNOLOGY PLANS FOR ADDITIONAL EQUIPMENT ROUGH IN REQUIREMENTS FOR LOW VOLTAGE CABLES. ALL CONDUIT ROUGH IN FOR LOW VOLTAGE CABLES TO BE INSTALLED FOLLOWING DIVISION 27 REQUIREMENTS
3. ALL CONDUIT/CONDUCTOR TO BE 1" RGS W/ 2#12,1#12 G UON. CONFIRM SIZING REQUIREMENTS W/ MFG PRIOR TO INSTALLATION

**KEYED NOTES:**

- 1 EXISTING ELECTRICAL PANEL LOCATION
- 2 PROVIDE 115 DUPLEX RECEPTACLE. COORDINATE EXACT LOCATION W/ PARCS CONTRACTOR AND OWNER
- 3 PROVIDE RECESSED CEILING LIGHTS, 40W FLUORESCENT FIXTURES
- 4 WALL SWITCH

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

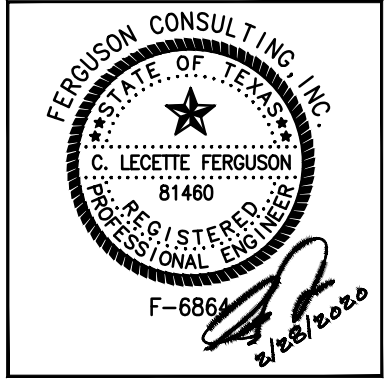
**Kimley-Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FIRM REGISTRATION F-686  
WWW.KIMLEY-HORN.COM

**Ferguson Consulting**  
CONSULTANTS IN ELECTRICAL, MECHANICAL, AND  
ENVIRONMENTAL ENGINEERING  
FERGUSON CONSULTING, INC.  
10000 ROCKHILL BLVD. SUITE 100  
THE WOODLANDS, TEXAS 77380  
PH: 281-475-2816 FAX: 281-475-2814

REVISIONS		
NO.	DESCRIPTION	DATE BY

**PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
AB GARAGE ENLARGED PLANS - IDF  
ROOMS**

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



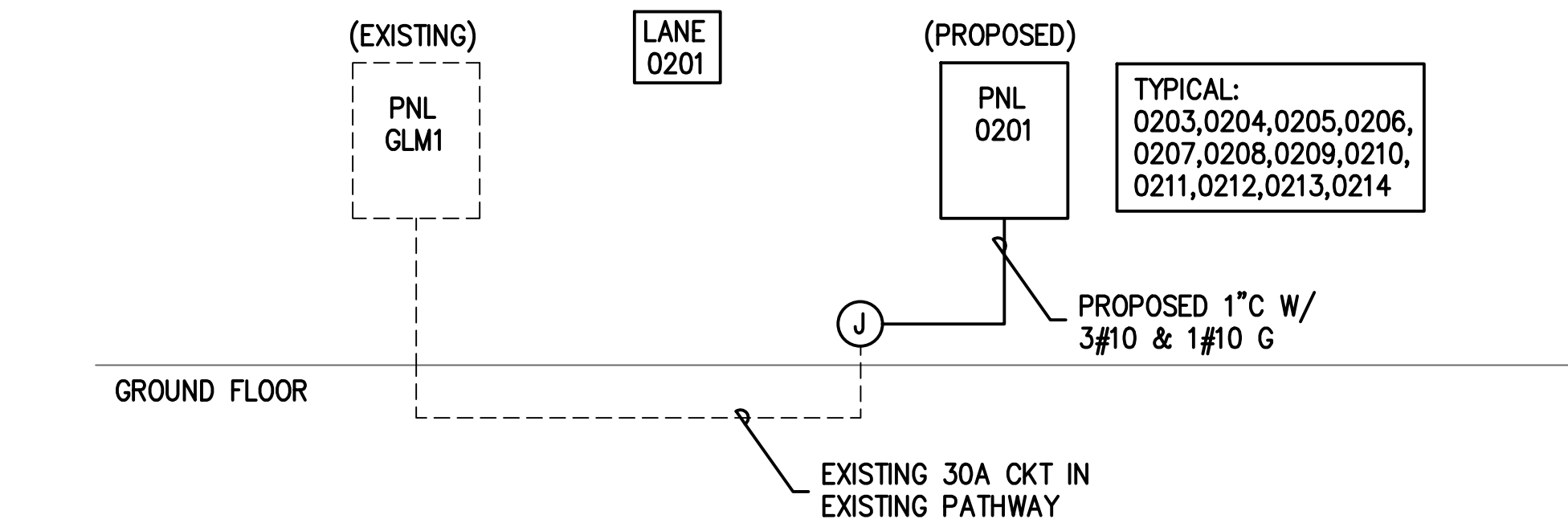
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

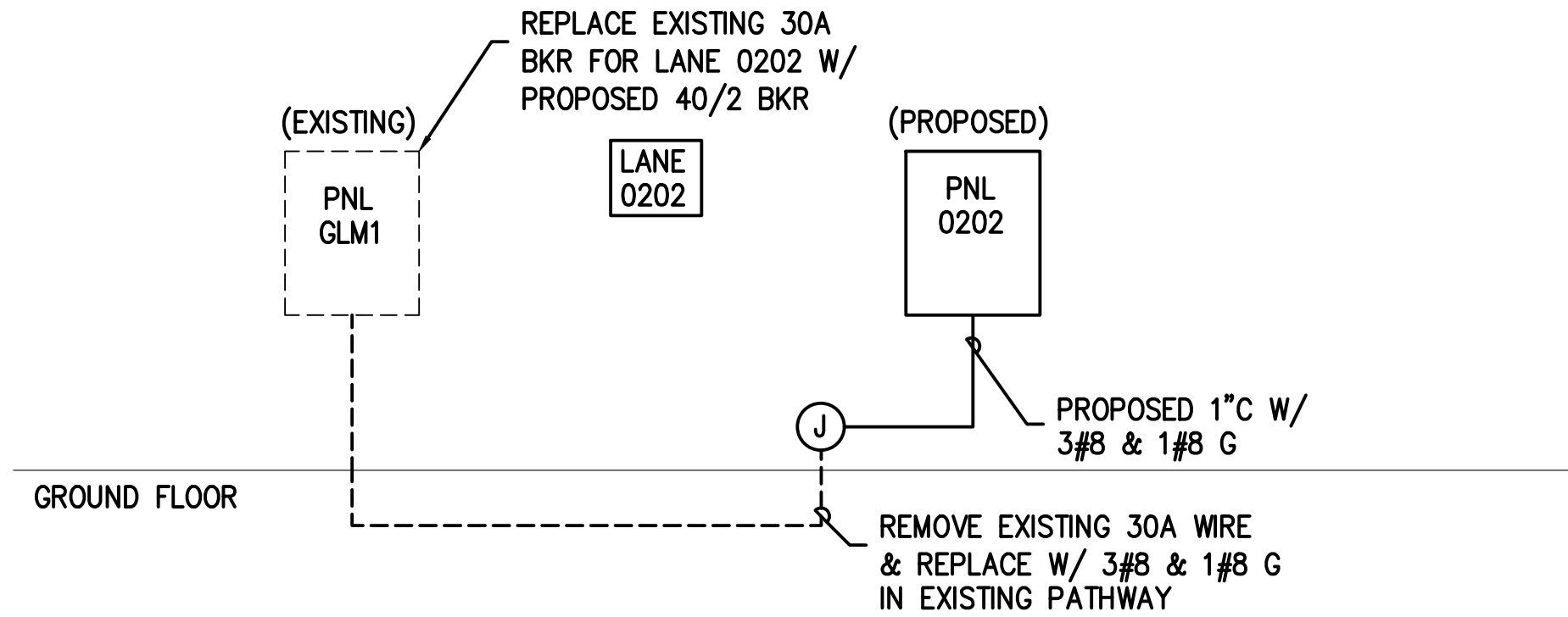
PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.





**1 A/B GARAGE EXPRESS EXIT PLAZAS RISER DIAGRAM**  
SCALE: NTS



**2 LANE 0202 RISER DIAGRAM**  
SCALE: NTS

PANEL: 0201				VOLTAGE: 120/208		1 Ø 3 W		AIC: 22,000		TYP. FOR PNLS: 0203,0204, 0205,0206, 0207,0208,0209,0210, 0211,0212,0213,0214					
				MAINS: 30 AMPS		□ MLO ✕ MCB		✕ SURFACE □ FLUSH							
				LUGS: □ SUB-FEED		□ FEED-THRU		□ NEMA 1 □ NEMA 3R							
C**	WIRE*	LOAD DESCRIPTION	KVA	BKR.	CKT					CKT	BKR.	KVA	LOAD DESCRIPTION	WIRE*	C**
		GATE ARM	0.6	20/1	1					2	20/1	0.6	SIGNAGE		
		TICKET DISPENSER	0.6	20/1	3					4	20/1	0.6	TECHNOLOGY CABINET		
		SPARE	X.X	20/1	5					6	20/1	X.X	SPARE		
		SPARE	X.X	20/1	7					8	20/1	X.X	SPARE		
* ALL BRANCH CIRCUITS ARE 2 #12, 1 #12G; 3/4"C (U.O.N.).										2.3		KVA CONNECTED LOAD			
										2.6		KVA DEMAND			
										12.56		AMPS DEMAND @ 208V			

PANEL: 0202			VOLTAGE: 120/208			1 Ø 3 W/AIC: 22,000			REMARKS:					
			MAINS: 40 AMPS			□ MLO ☒ MCB ☒ SURFACE □ FLUSH								
			LUGS: □ SUB-FEED			□ FEED-THRU □ NEMA 1 ☒ NEMA 3R								
C**	WIRE*	LOAD DESCRIPTION	KVA	BKR.	CKT				CKT	BKR.	KVA	LOAD DESCRIPTION	WIRE*	C**
		GATE ARM	0.6	20/1	1				2	20/1	0.6	SIGNAGE		
		TICKET DISPENSER	0.6	20/1	3				4	20/1	0.6	TECHNOLOGY CABINET		
		GENERAL LTG	1.2	20/1	5				6	20/1	2.4	MINI-HVAC		
		SPARE	X.X	20/1	7				8	20/1	X.X	SPARE		
		SPARE	X.X	20/1	9				10	20/1	X.X	SPARE		
		SPARE	X.X	20/1	11				12	20/1	X.X	SPARE		
* ALL BRANCH CIRCUITS ARE 2 #12, 1 #12G; 3/4"C (U.O.N.).										6.0		KVA CONNECTED LOAD		
										6.2		KVA DEMAND		
										29.9		AMPS DEMAND @ 208V		

**3 ELECTRICAL PANELS**  
SCALE: NTS

- GENERAL NOTES:**
- ALL NEW OUTDOOR EQUIPMENT SHALL BE NEMA 4 RATED.
  - CONTRACTOR SHALL GROUND AND BOND ALL PANELS, BOXES, RACKS, JUNCTION BOXES, AND DISCONNECTS PER NEC SECTION 250.



HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS



KINLEY HORN ASSOCIATES, INC.  
1400 WOODLARK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FIRM REGISTRATION # 528  
WWW.KINLEY-HORN.COM



FERGUSON CONSULTING, INC.  
1000 ROCKWELL AVE., SUITE 400  
THE WOODLANDS, TEXAS 77380  
CNO 7700-0002, TOLL FREE 1-800-664-6644

REVISIONS		
NO.	DESCRIPTION	DATE BY
1	PERMIT REVISION 1	06/12/20 FCI

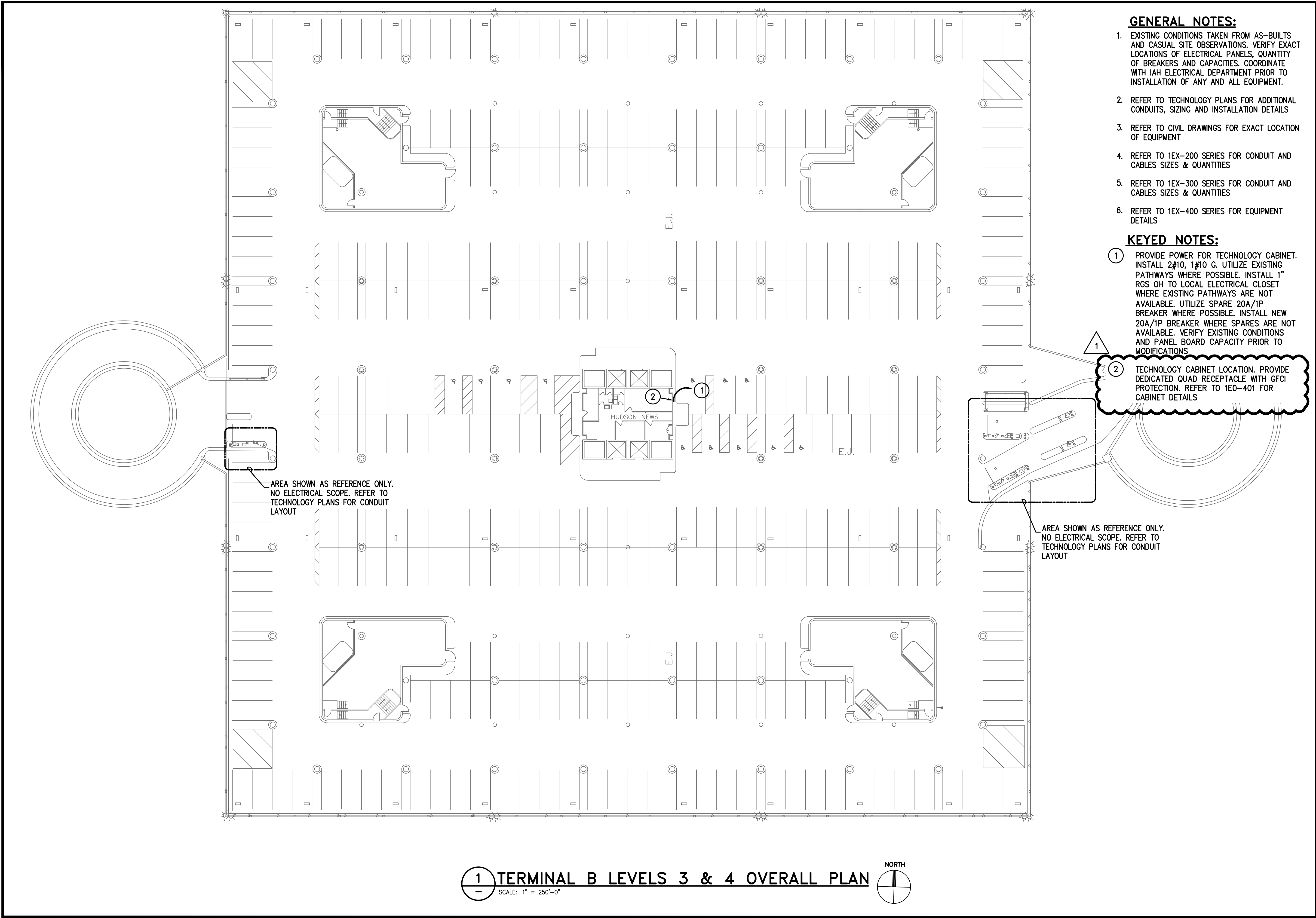
PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
AB GARAGE-RISER DIAGRAMS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. <b>067810800</b>	
C.I.P. NO.	
H.A.S. NO. <b>PN HKE-PARCS-2020-003</b>	
SHEET NO.	





GENERAL NOTES:

- EXISTING CONDITIONS TAKEN FROM AS-BUILTS AND CASUAL SITE OBSERVATIONS. VERIFY EXACT LOCATIONS OF ELECTRICAL PANELS, QUANTITY OF BREAKERS AND CAPACITIES. COORDINATE WITH IAH ELECTRICAL DEPARTMENT PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
- REFER TO TECHNOLOGY PLANS FOR ADDITIONAL CONDUITS, SIZING AND INSTALLATION DETAILS
- REFER TO CIVIL DRAWINGS FOR EXACT LOCATION OF EQUIPMENT
- REFER TO 1EX-200 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1EX-300 SERIES FOR CONDUIT AND CABLES SIZES & QUANTITIES
- REFER TO 1EX-400 SERIES FOR EQUIPMENT DETAILS

KEYED NOTES:

- PROVIDE POWER FOR TECHNOLOGY CABINET. INSTALL 2#10, 1#10 G. UTILIZE EXISTING PATHWAYS WHERE POSSIBLE. INSTALL 1" RGS OH TO LOCAL ELECTRICAL CLOSET WHERE EXISTING PATHWAYS ARE NOT AVAILABLE. UTILIZE SPARE 20A/1P BREAKER WHERE POSSIBLE. INSTALL NEW 20A/1P BREAKER WHERE SPARES ARE NOT AVAILABLE. VERIFY EXISTING CONDITIONS AND PANEL BOARD CAPACITY PRIOR TO MODIFICATIONS
- TECHNOLOGY CABINET LOCATION. PROVIDE DEDICATED QUAD RECEPTACLE WITH GFCI PROTECTION. REFER TO 1E0-401 FOR CABINET DETAILS

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

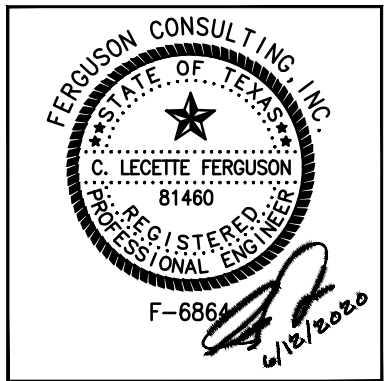
**Kimley-Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPE FIRM REGISTRATION F-608  
WWW.KIMLEY-HORN.COM

**Ferguson Consulting**  
FERGUSON CONSULTING, INC.  
1002 ROCKWELL AVE., SUITE 400  
THE WOODLANDS, TEXAS 77380  
CNO 780-552-1000 FAX 780-552-1004

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	PERMIT REVISION 1	06/12/20	FCI

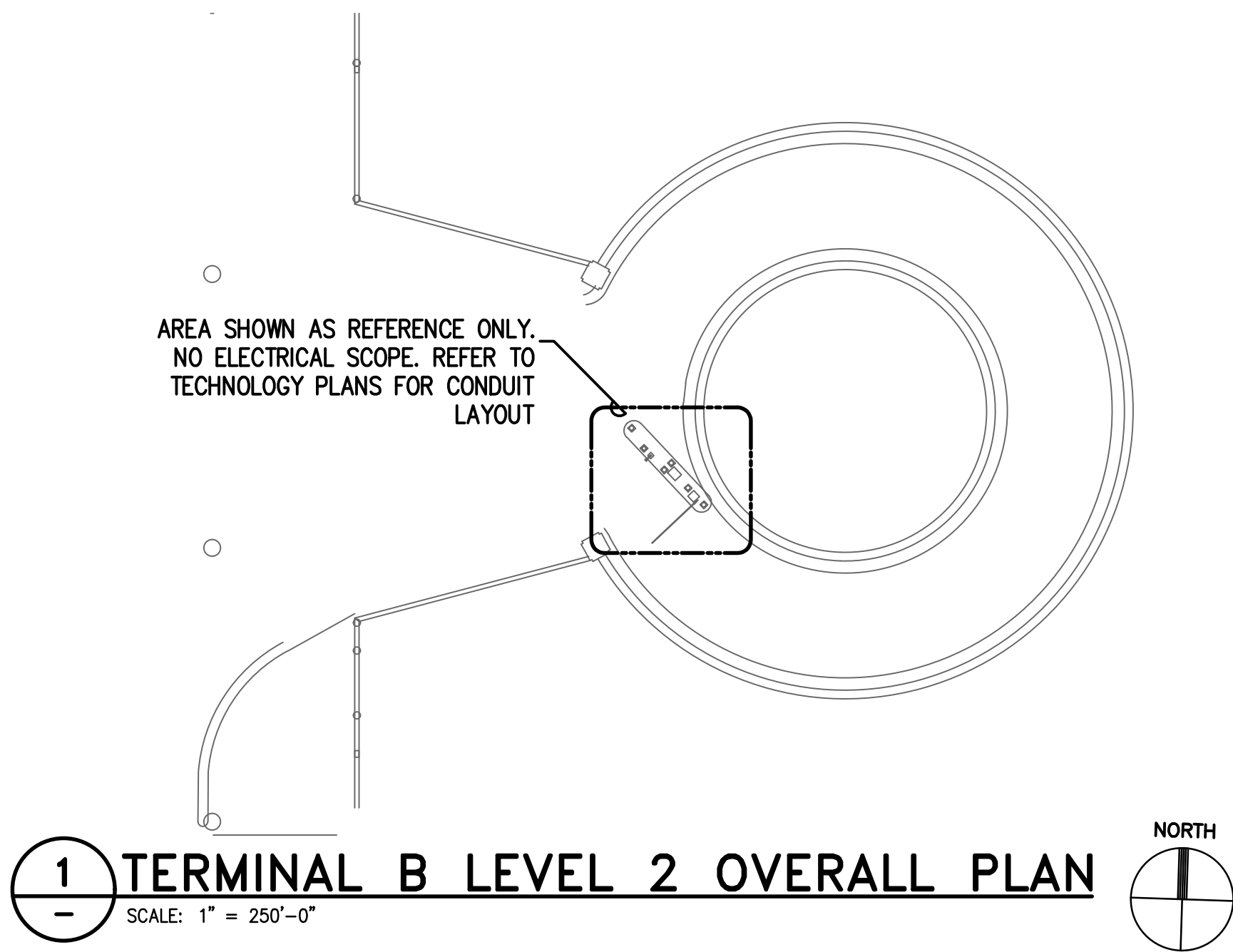
PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
TERMINAL B LEVEL 3 OVERALL PLAN

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



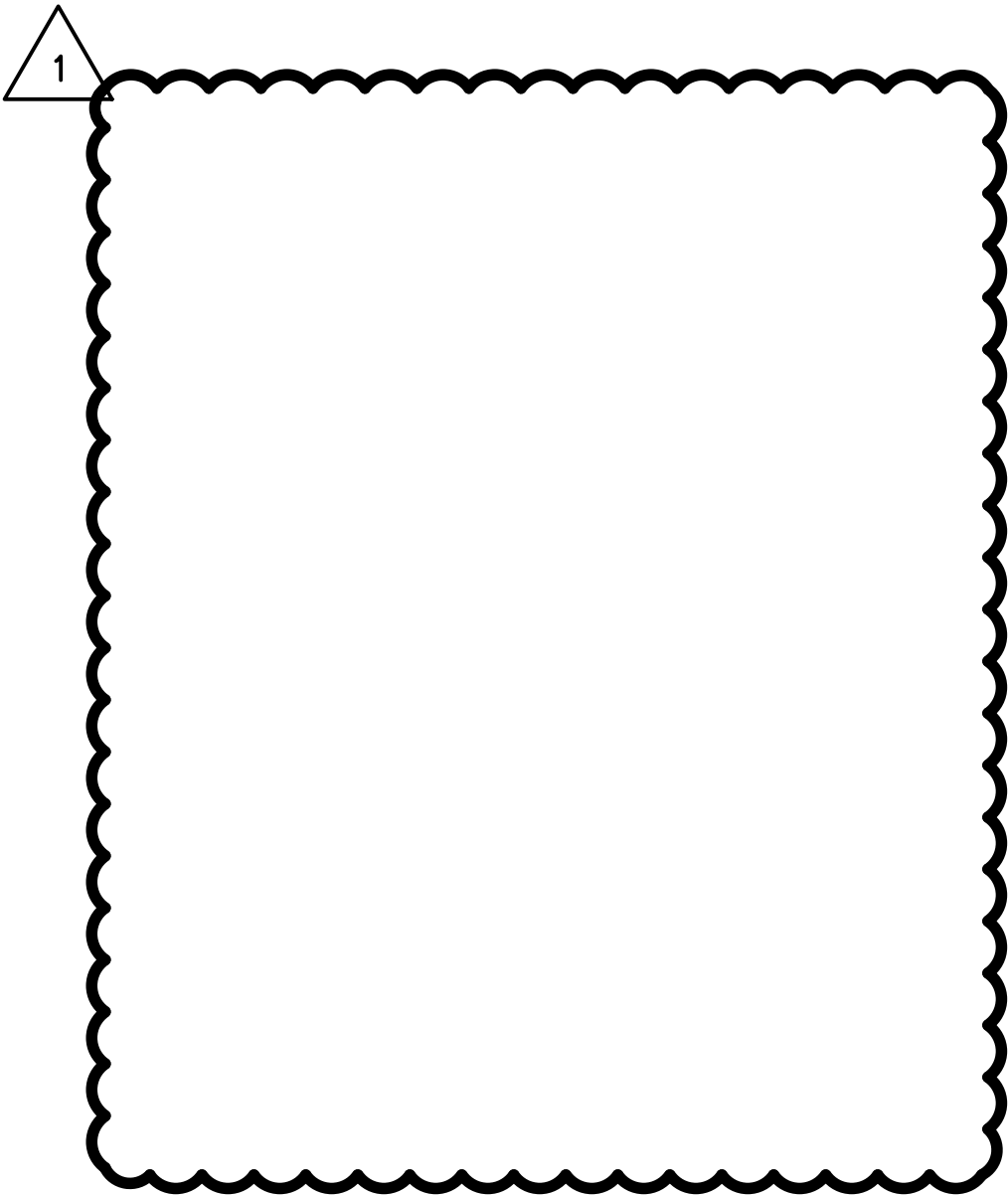
APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	067810800
C.I.P. NO.	
H.A.S. NO.	PN HKE-PARCS-2020-003
SHEET NO.	





GENERAL NOTES:

- EXISTING CONDITIONS TAKEN FROM AS-BUILTS AND CASUAL SITE OBSERVATIONS. VERIFY EXACT LOCATIONS OF ELECTRICAL PANELS, QUANTITY OF BREAKERS AND CAPACITIES. COORDINATE WITH IAH ELECTRICAL DEPARTMENT PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
- REFER TO TECHNOLOGY PLANS FOR ADDITIONAL CONDUITS, SIZING AND INSTALLATION DETAILS
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PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
TERMINAL B LEVEL 3 OVERALL PLAN

PROJECT MGR: LF  
DESIGNER: PM  
DRAWN BY: FR  
CHECKED BY: LF  
SCALE: AS SHOWN  
DATE: 2/28/2020



APPROVED BY: DATE:

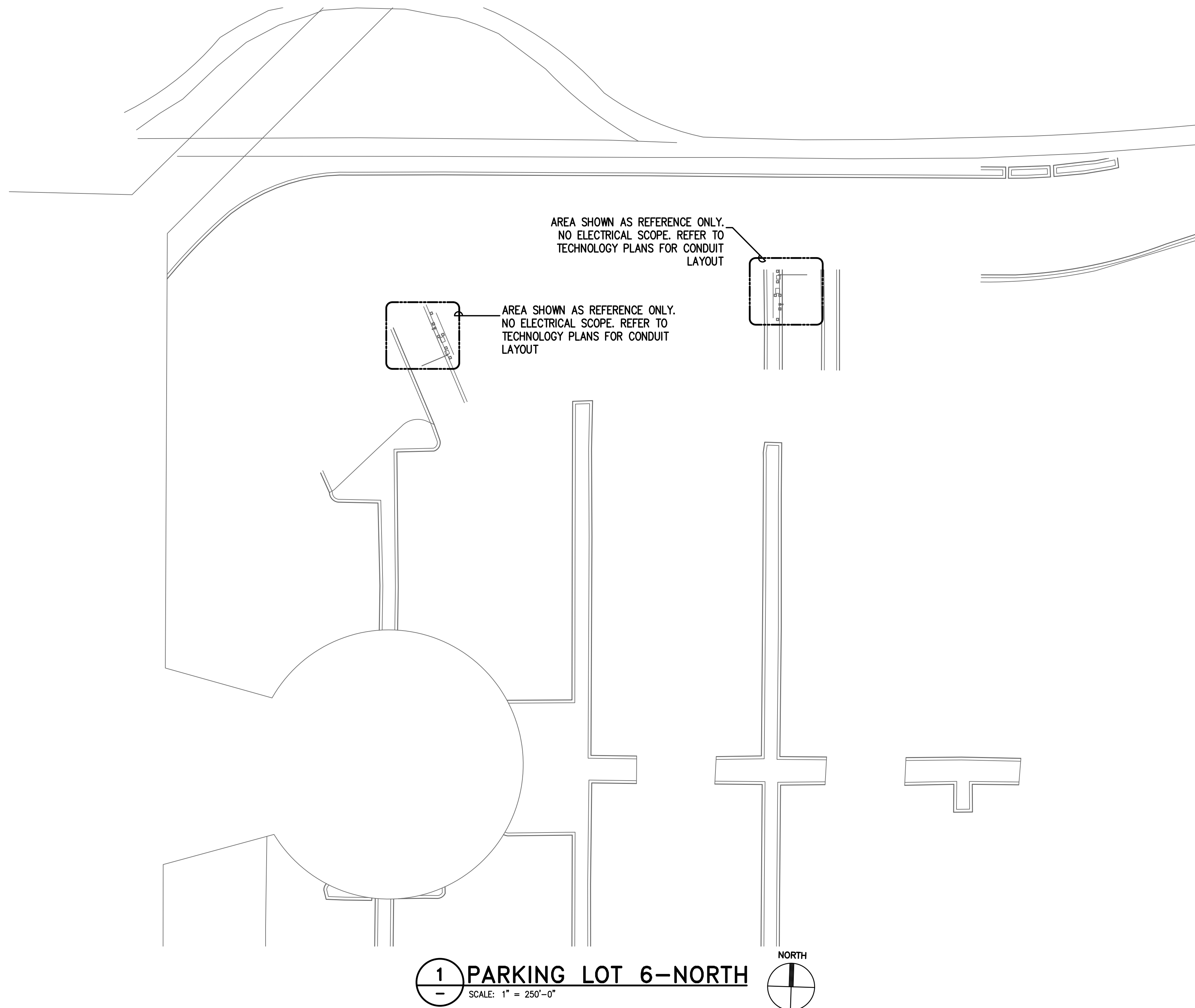
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.

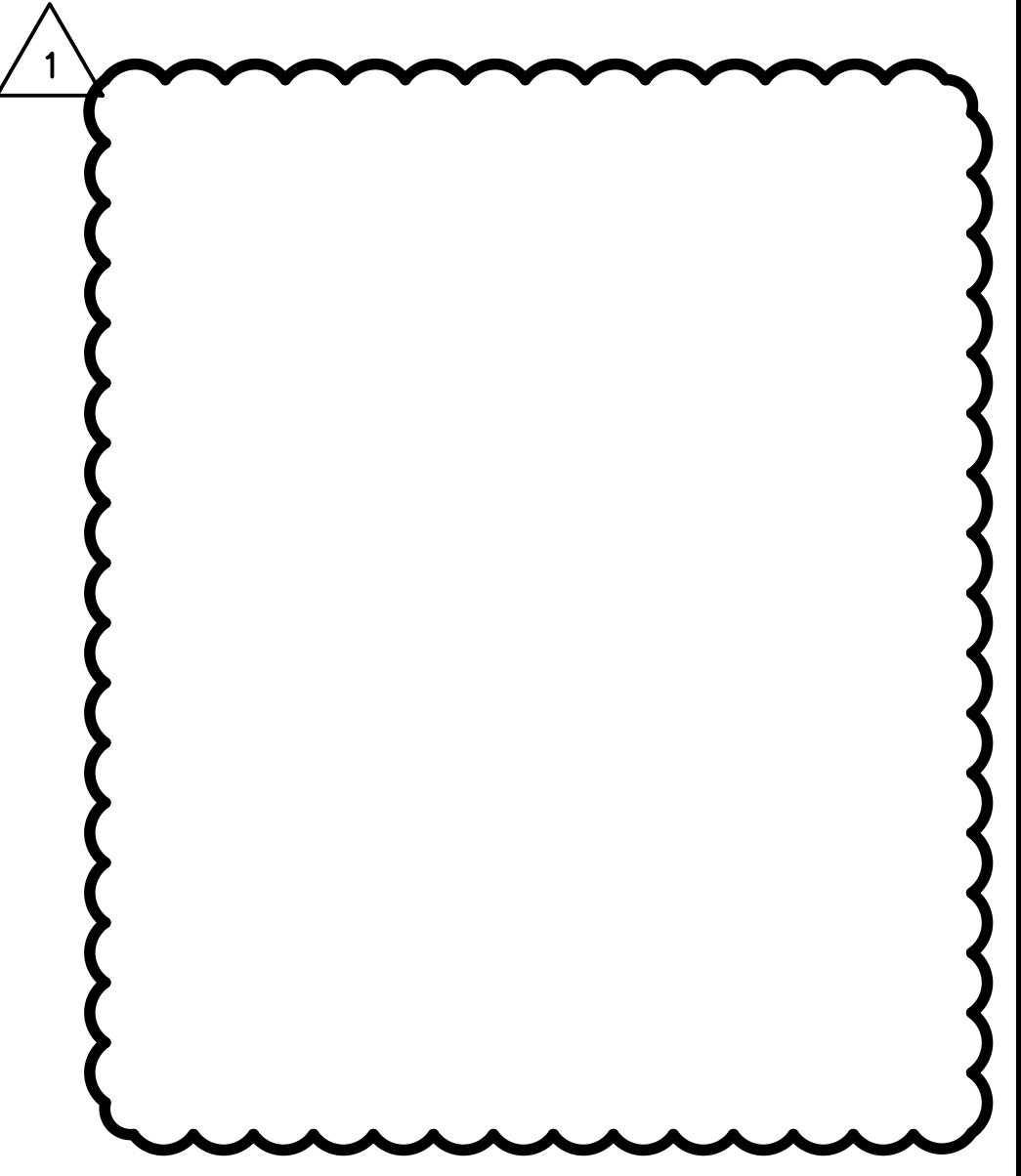
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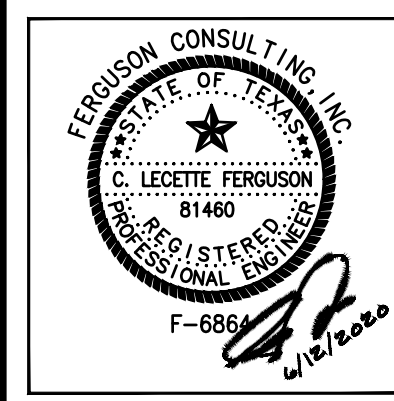
**1** **PARKING LOT 6-NORTH**  
SCALE: 1" = 250'-0"  
NORTH

- GENERAL NOTES:**
- EXISTING CONDITIONS TAKEN FROM AS-BUILTS AND CASUAL SITE OBSERVATIONS. VERIFY EXACT LOCATIONS OF ELECTRICAL PANELS, QUANTITY OF BREAKERS AND CAPACITIES. COORDINATE WITH IAH ELECTRICAL DEPARTMENT PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
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  - REFER TO 1EX-400 SERIES FOR EQUIPMENT DETAILS



PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
PARKING LOT 6 OVERALL - NORTH

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



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DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**

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H.A.S. NO.  
**PN HKE-PARCS-2020-003**

SHEET NO.





HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley-Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TELETYPE: 281-475-2816  
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**Ferguson Consulting**  
Consultants in Consulting, Engineering, and  
Environmental Services  
FERGUSON CONSULTING, INC.  
1000 ROCKWELL AVE., SUITE 400  
THE WOODLANDS, TEXAS 77380  
CITY 281-475-2816 FAX 281-475-2814

REVISIONS			
NO.	DESCRIPTION	DATE	BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
PARKING LOT 6 OVERALL - SOUTH

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020

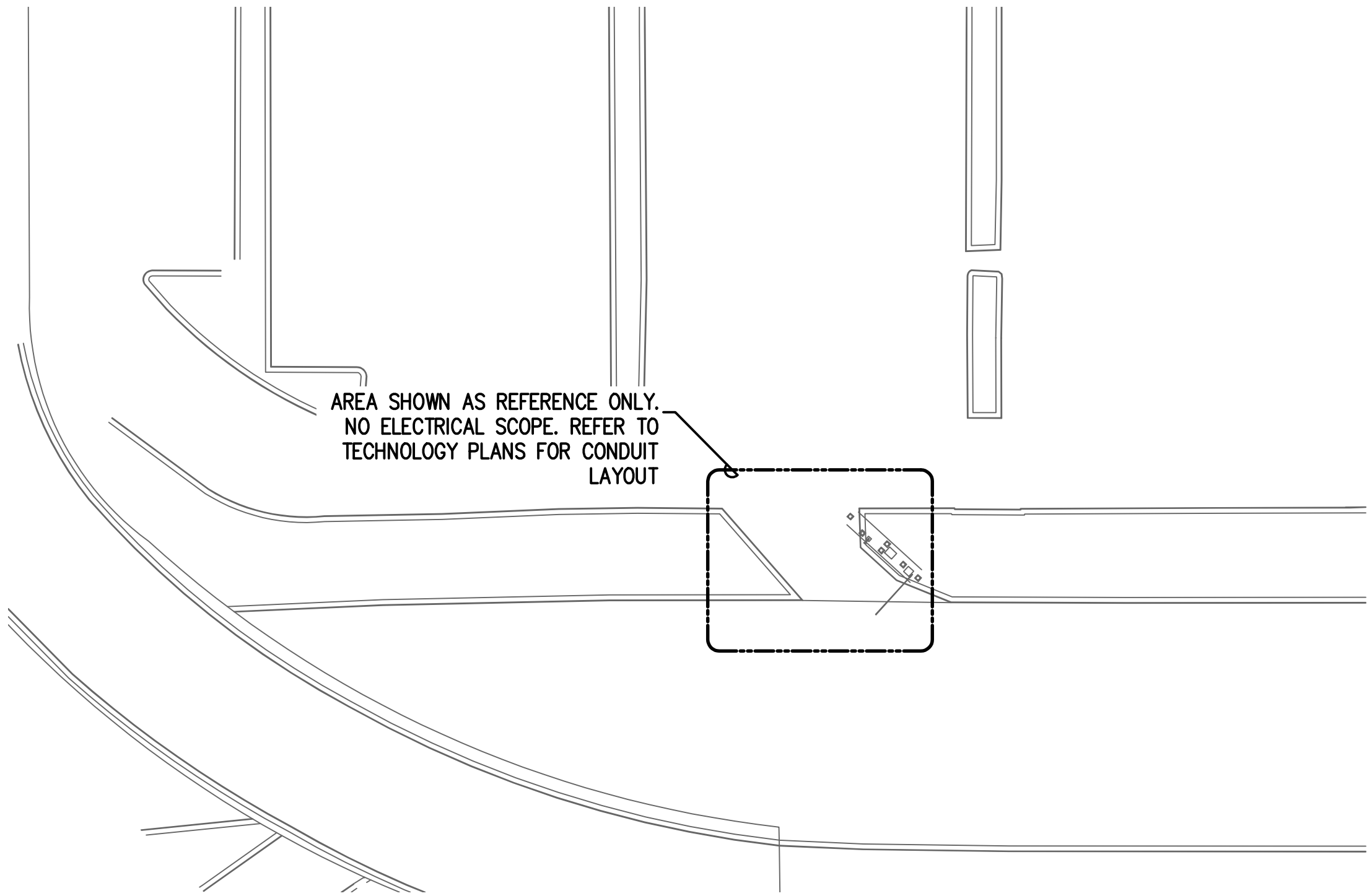


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DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	
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C.I.P. NO.	
H.A.S. NO.	
PN HKE-PARCS-2020-003	
SHEET NO.	

1E4-102

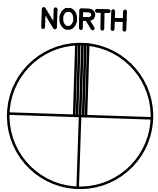
GENERAL NOTES:

- EXISTING CONDITIONS TAKEN FROM AS-BUILTS AND CASUAL SITE OBSERVATIONS. VERIFY EXACT LOCATIONS OF ELECTRICAL PANELS, QUANTITY OF BREAKERS AND CAPACITIES. COORDINATE WITH IAH ELECTRICAL DEPARTMENT PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
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- REFER TO 1EX-400 SERIES FOR EQUIPMENT DETAILS

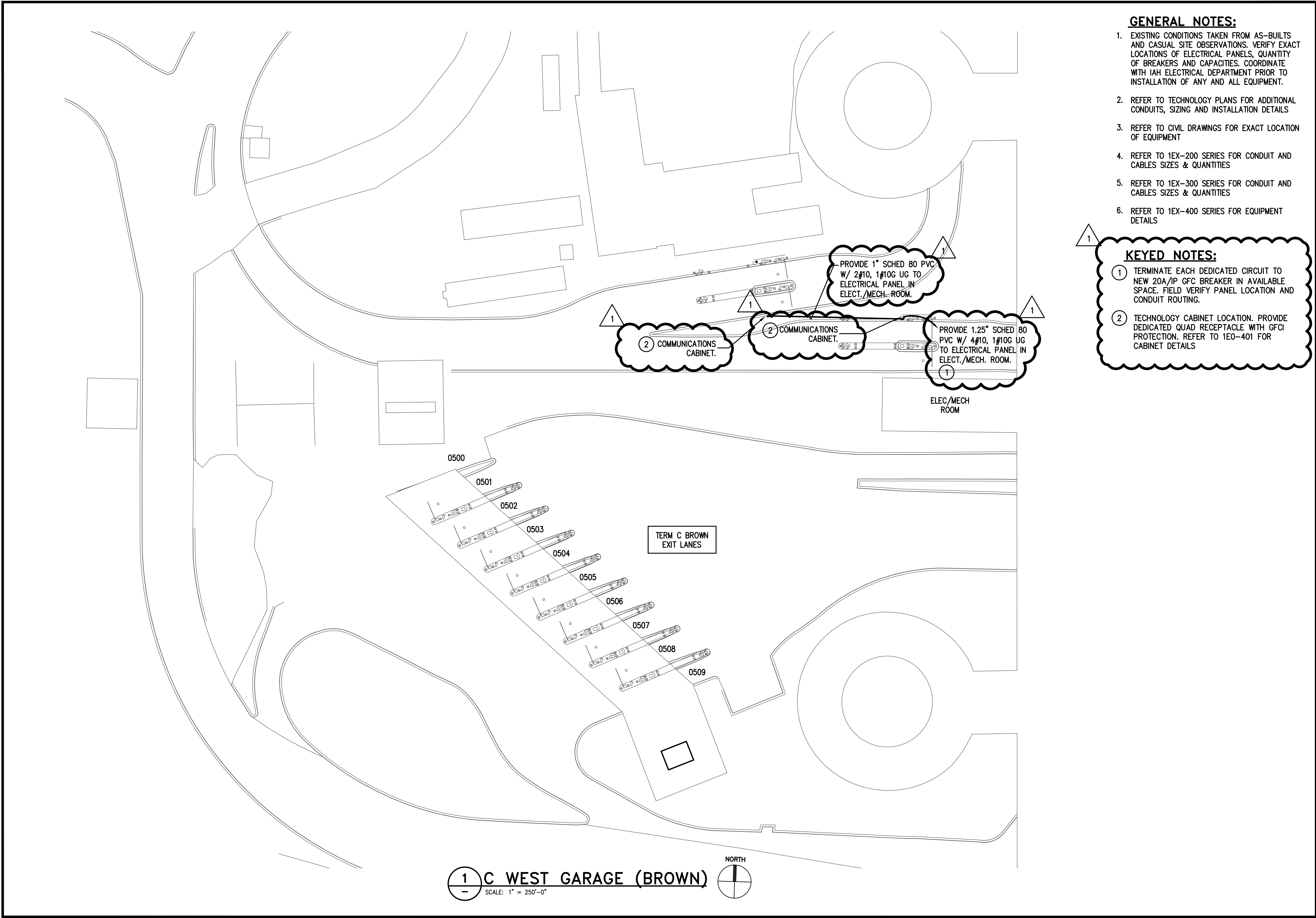


AREA SHOWN AS REFERENCE ONLY.  
NO ELECTRICAL SCOPE. REFER TO  
TECHNOLOGY PLANS FOR CONDUIT  
LAYOUT

1 PARKING LOT 6-SOUTH  
SCALE: 1" = 250'-0"







GENERAL NOTES:

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- REFER TO 1EX-400 SERIES FOR EQUIPMENT DETAILS

KEYED NOTES:

- TERMINATE EACH DEDICATED CIRCUIT TO NEW 20A/1P GFC BREAKER IN AVAILABLE SPACE. FIELD VERIFY PANEL LOCATION AND CONDUIT ROUTING.
- TECHNOLOGY CABINET LOCATION. PROVIDE DEDICATED QUAD RECEPTACLE WITH GFCI PROTECTION. REFER TO 1EO-401 FOR CABINET DETAILS

HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

KIMLEY-HORN ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
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FERGUSON CONSULTING, INC.  
1502 ROCKWELL AVE., SUITE 100  
THE WOODLANDS, TEXAS 77380  
CITY 281-475-2816 FAX 281-475-2817

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	PERMIT REVISION 1	06/12/20	FCI

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE OVERALL - SURFACE

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020

APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

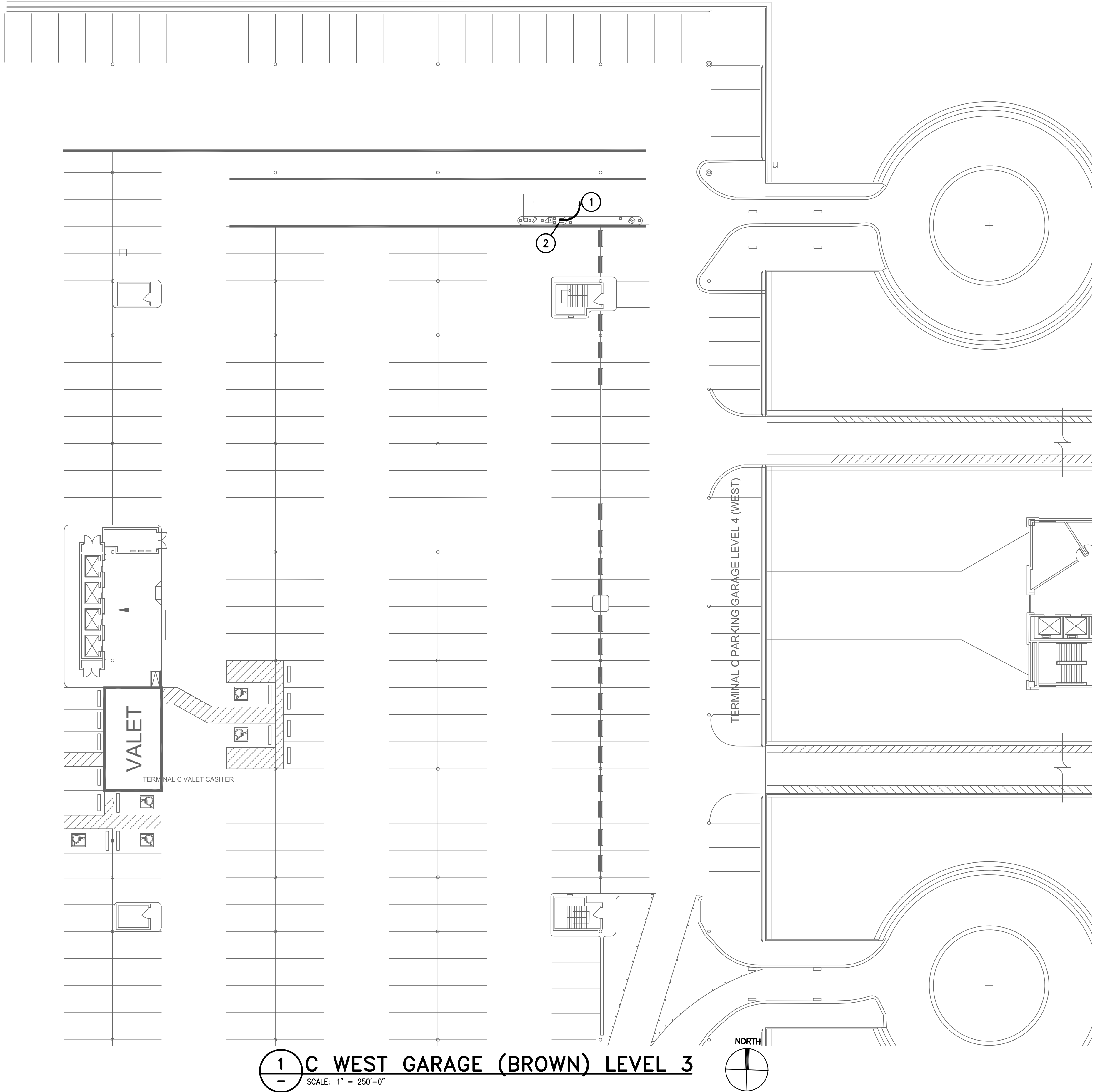
PROJECT NO.  
067810800

C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003

SHEET NO.  
1E5-101





1 C WEST GARAGE (BROWN) LEVEL 3  
— SCALE: 1" = 250'-0"

#### GENERAL NOTES:

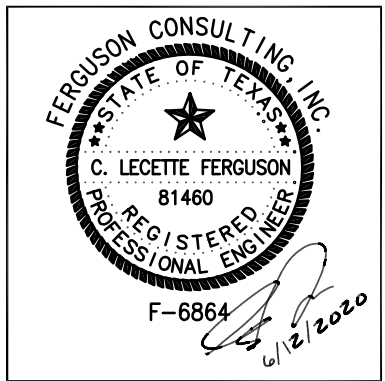
- EXISTING CONDITIONS TAKEN FROM AS-BUILTS AND CASUAL SITE OBSERVATIONS. VERIFY EXACT LOCATIONS OF ELECTRICAL PANELS, QUANTITY OF BREAKERS AND CAPACITIES. COORDINATE WITH IAH ELECTRICAL DEPARTMENT PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
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#### KEYED NOTES:

- PROVIDE POWER FOR TECHNOLOGY CABINET. INSTALL 2#10, 1#10 G. UTILIZE EXISTING PATHWAYS WHERE POSSIBLE. INSTALL 1" RGS OH TO LOCAL ELECTRICAL CLOSET WHERE EXISTING PATHWAYS ARE NOT AVAILABLE. INSTALL NEW 20A/1P GFC BREAKER IN AVAILABLE SPACE. VERIFY EXISTING CONDITIONS AND PANEL BOARD CAPACITY PRIOR TO MODIFICATIONS
- TECHNOLOGY CABINET LOCATION. PROVIDE DEDICATED QUAD RECEPTACLE WITH GFCI PROTECTION. REFER TO 1E0-401 FOR CABINET DETAILS

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE - BROWN - LEVEL 3

PROJECT MGR: LF  
DESIGNER: PM  
DRAWN BY: FR  
CHECKED BY: LF  
SCALE: AS SHOWN  
DATE: 2/28/2020



APPROVED BY: DATE:

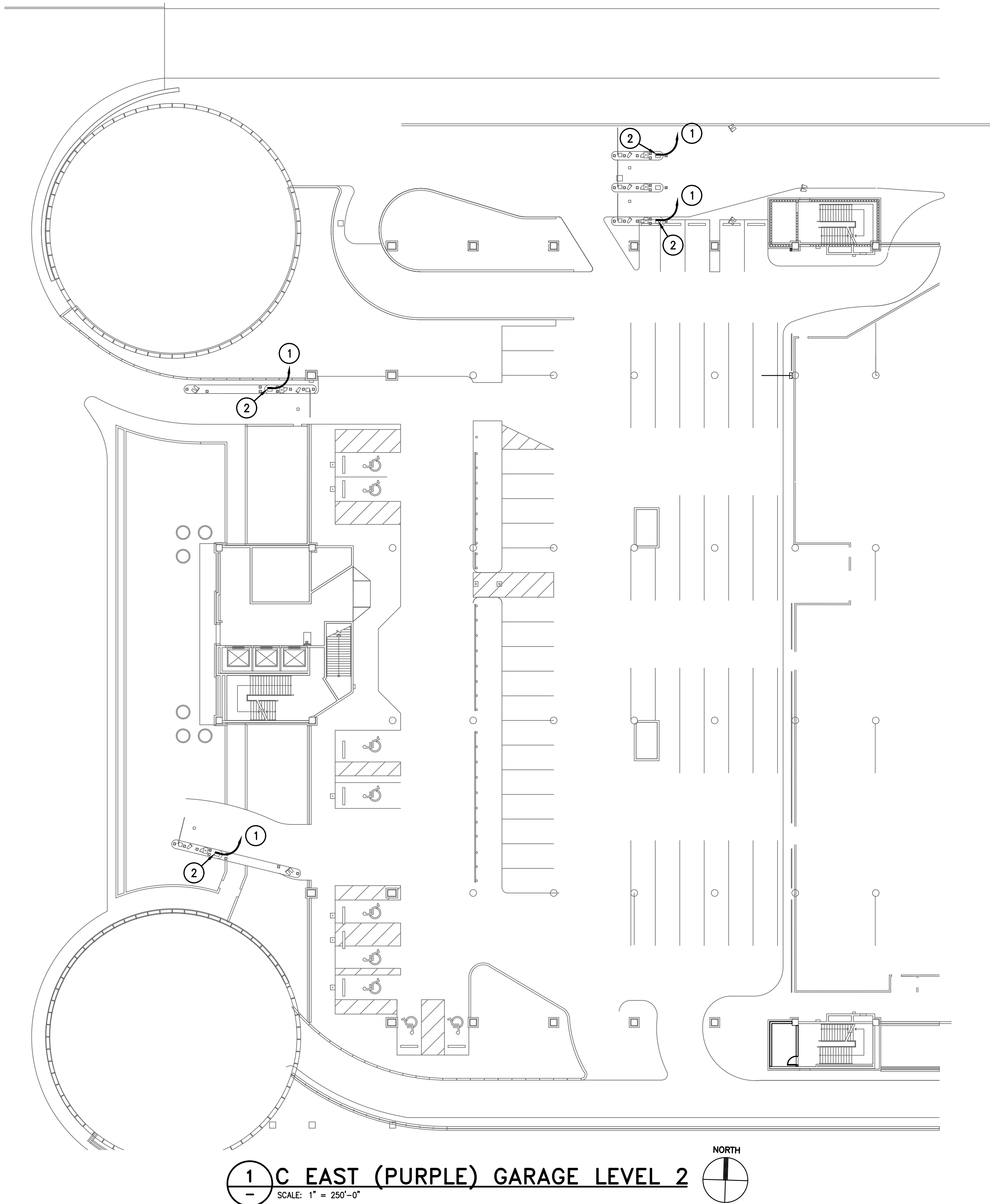
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.

1E5-102





1 C EAST (PURPLE) GARAGE LEVEL 2  
SCALE: 1" = 250'-0"

### GENERAL NOTES:

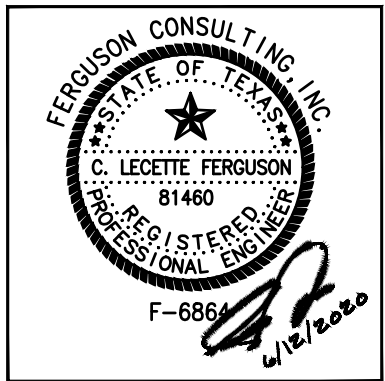
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### KEYED NOTES:

- 1 PROVIDE POWER FOR TECHNOLOGY CABINET. INSTALL 2#10, 1#10 G. UTILIZE EXISTING PATHWAYS WHERE POSSIBLE. INSTALL 1" RGS OH TO LOCAL ELECTRICAL CLOSET WHERE EXISTING PATHWAYS ARE NOT AVAILABLE. UTILIZE SPARE 20A/1P BREAKER WHERE POSSIBLE. INSTALL NEW 20A/1P BREAKER WHERE SPARES ARE NOT AVAILABLE. VERIFY EXISTING CONDITIONS AND PANEL BOARD CAPACITY PRIOR TO MODIFICATIONS
- 2 TECHNOLOGY CABINET LOCATION. PROVIDE DEDICATED QUAD RECEPTACLE WITH GFCI PROTECTION. REFER TO 1E0-401 FOR CABINET DETAILS

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE - PURPLE - LEVEL 2

PROJECT MGR: LF  
DESIGNER: PM  
DRAWN BY: FR  
CHECKED BY: LF  
SCALE: AS SHOWN  
DATE: 2/28/2020



APPROVED BY: DATE:

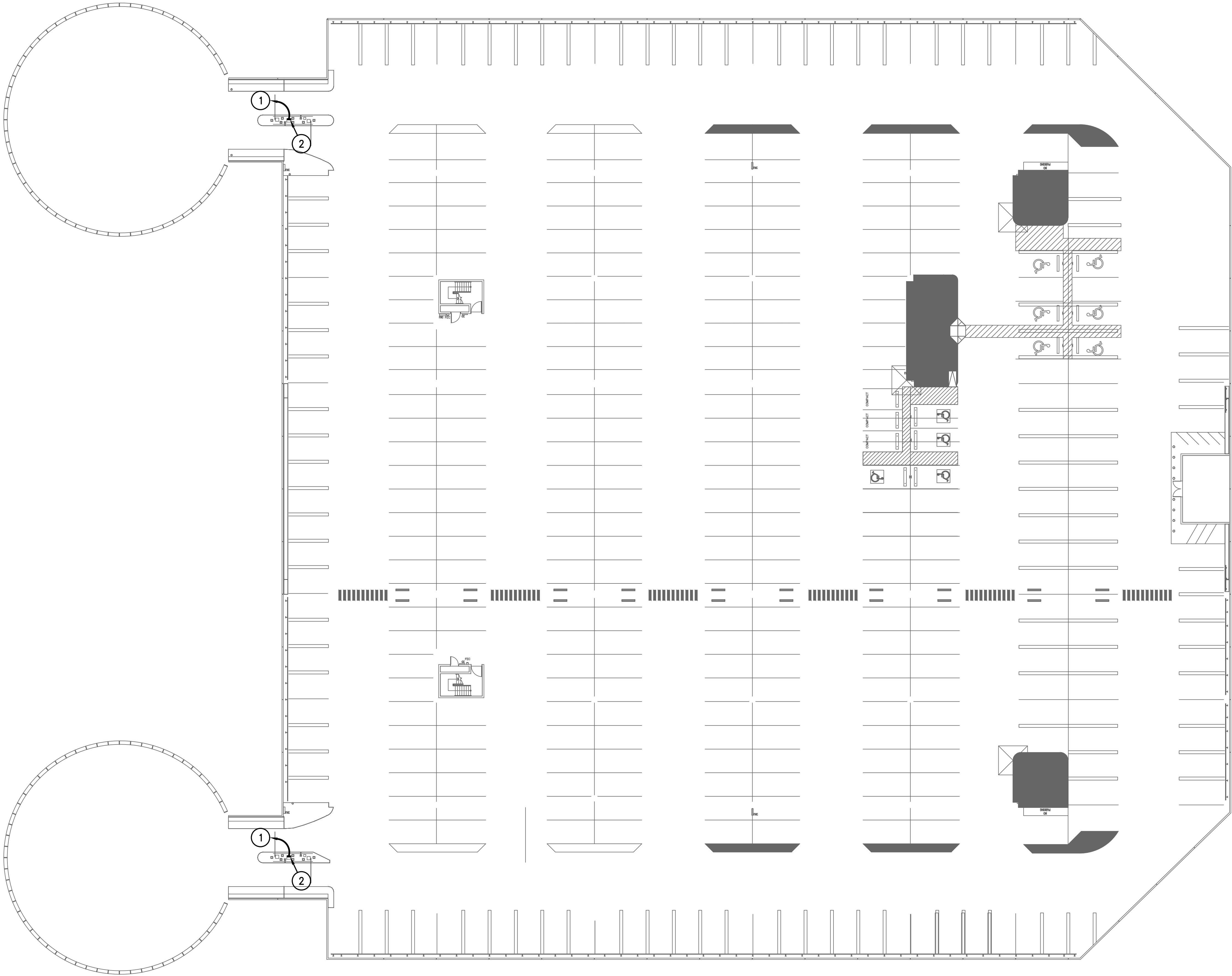
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.

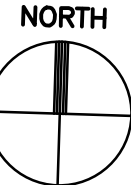
H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.

1E5-103





1 TERMINAL C (BROWN) LEVEL 2  
SCALE: 1" = 250'-0"



#### GENERAL NOTES:

- EXISTING CONDITIONS TAKEN FROM AS-BUILTS AND CASUAL SITE OBSERVATIONS. VERIFY EXACT LOCATIONS OF ELECTRICAL PANELS, QUANTITY OF BREAKERS AND CAPACITIES. COORDINATE WITH IAH ELECTRICAL DEPARTMENT PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT.
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HOUSTON AIRPORT SYSTEM  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

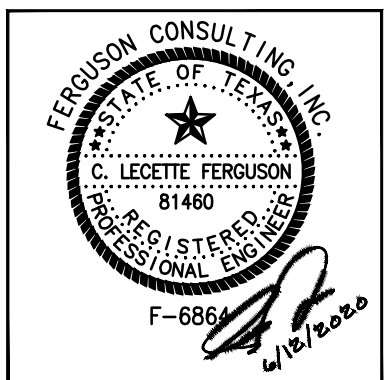
**Kimley-Horn**  
KIMLEY-HORN ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FIRM REGISTRATION F-528  
WWW.KIMLEY-HORN.COM

**Ferguson Consulting**  
FERGUSON CONSULTING, INC.  
10000 ROCKWELL BLVD, SUITE 100  
THE WOODLANDS, TEXAS 77380  
CNO 280-5528 TOLL FREE 1-800-854-4444

REVISIONS		
NO.	DESCRIPTION	DATE BY
1	PERMIT REVISION 1	06/12/20 FCI

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE-OVERSIZED ENTRY/EXIT

PROJECT MGR: LF  
DESIGNER: PM  
DRAWN BY: FR  
CHECKED BY: LF  
SCALE: AS SHOWN  
DATE: 2/28/2020



APPROVED BY: DATE:

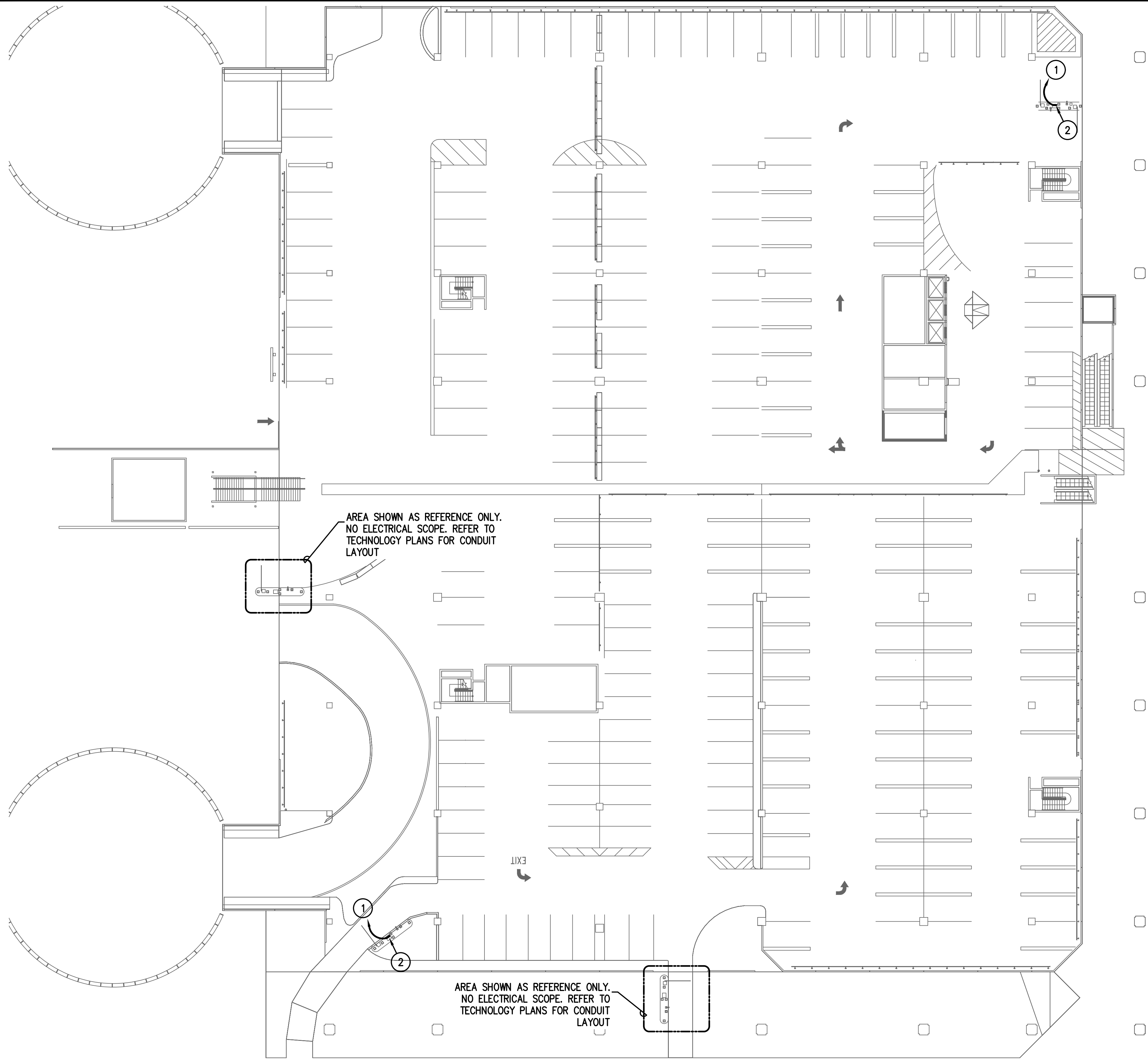
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.

1E5-104

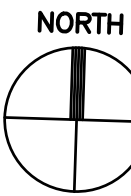




AREA SHOWN AS REFERENCE ONLY.  
NO ELECTRICAL SCOPE. REFER TO  
TECHNOLOGY PLANS FOR CONDUIT  
LAYOUT

AREA SHOWN AS REFERENCE ONLY.  
NO ELECTRICAL SCOPE. REFER TO  
TECHNOLOGY PLANS FOR CONDUIT  
LAYOUT

**1** **TERMINAL C (BROWN) LEVEL 1**  
SCALE: 1" = 250'-0"



### GENERAL NOTES:

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### KEYED NOTES:

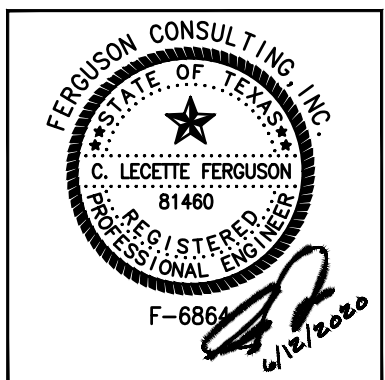
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REVISIONS		
NO.	DESCRIPTION	DATE BY
1	PERMIT REVISION 1	06/12/20 FCI

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE-OVERSIZED ENTRY/EXIT

PROJECT MGR: LF  
DESIGNER: PM  
DRAWN BY: FR  
CHECKED BY: LF  
SCALE: AS SHOWN  
DATE: 2/28/2020



APPROVED BY: DATE:

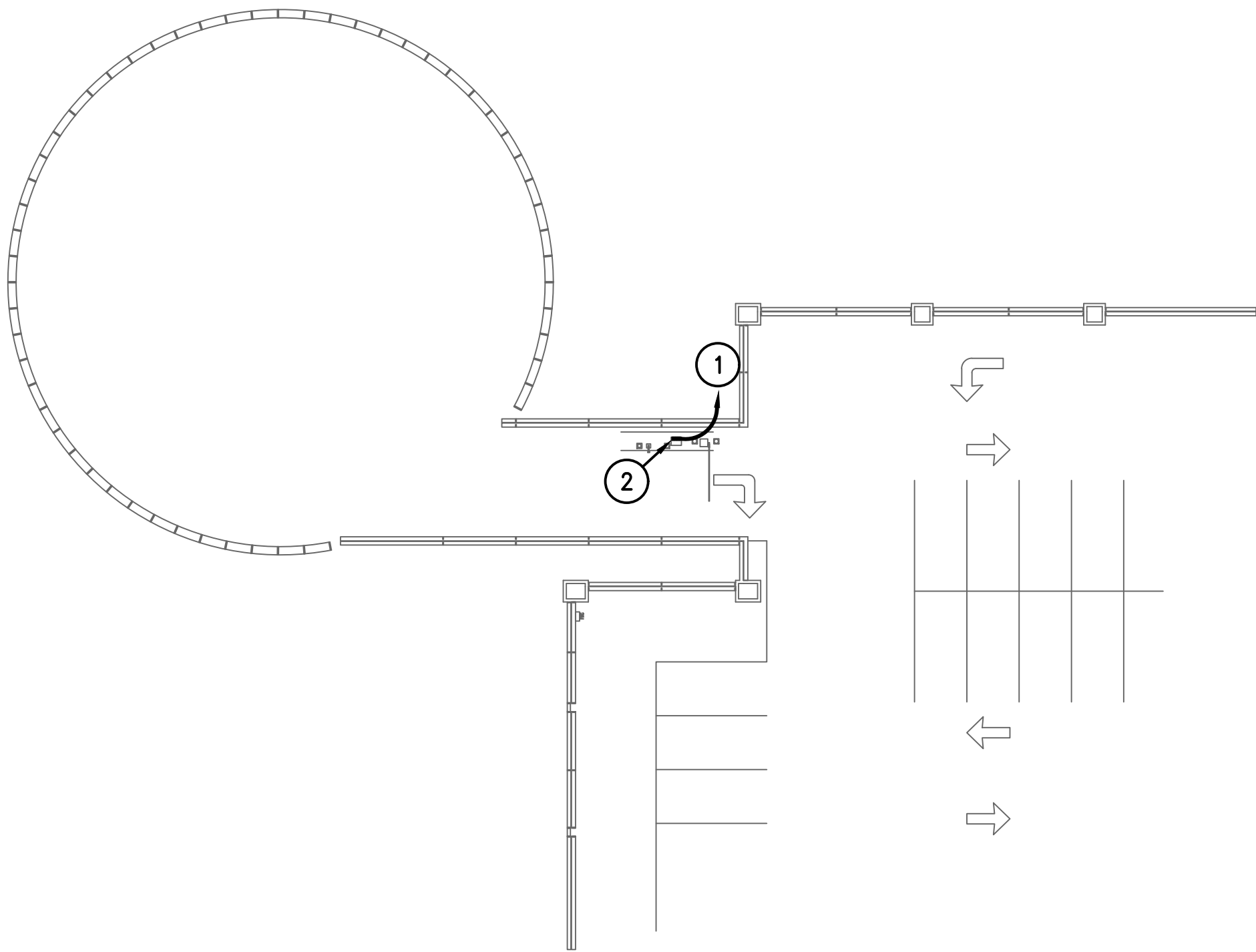
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

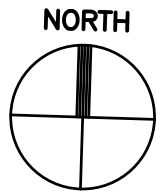
H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1E5-105





1 TERMINAL C (PURPLE) LEVEL 3  
SCALE: 1" = 250'-0"



#### GENERAL NOTES:

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**HOUSTON AIRPORT SYSTEM**  
**GEORGE BUSH INTERCONTINENTAL**  
**AIRPORT/HOUSTON TEXAS**

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**Ferguson Consulting**  
Consultants in Electrical, Security and  
Infrastructure Engineering  
FERGUSON CONSULTING, INC.  
1000 GREGGIAN HILLS, SUITE 400  
DALLAS, TEXAS 75240  
(214) 233-9022 FERGUSON.FAIRFAX

REVISIONS		
NO.	DESCRIPTION	DATE BY
1	PERMIT REVISION 1	06/12/20 FCI

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
C GARAGE-OVERSIZED ENTRY/EXIT

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
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SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
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C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.





1 JFK ECO PARK—OVERALL SITE PLAN  
SCALE: 1" = 1500'

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kinley Horn**  
KINLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FIRM REGISTRATION F-608  
WWW.KINLEY-HORN.COM

**Ferguson Consulting**  
CONSULTANTS IN DESIGN, PLANNING, AND  
ENVIRONMENTAL SCIENCE  
FERGUSON CONSULTING, INC.  
1500 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TEXAS 77380  
(281) 475-2816 FAX (281) 475-2814

REVISIONS		
NO.	DESCRIPTION	DATE BY

**PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
JEF OVERALL SITE PLAN**

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020

F-608  
2/28/2020

APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. <b>067810800</b>	
C.I.P. NO.	
H.A.S. NO.	
<b>PN HKE-PARCS-2020-003</b>	
SHEET NO.	

1E6-100

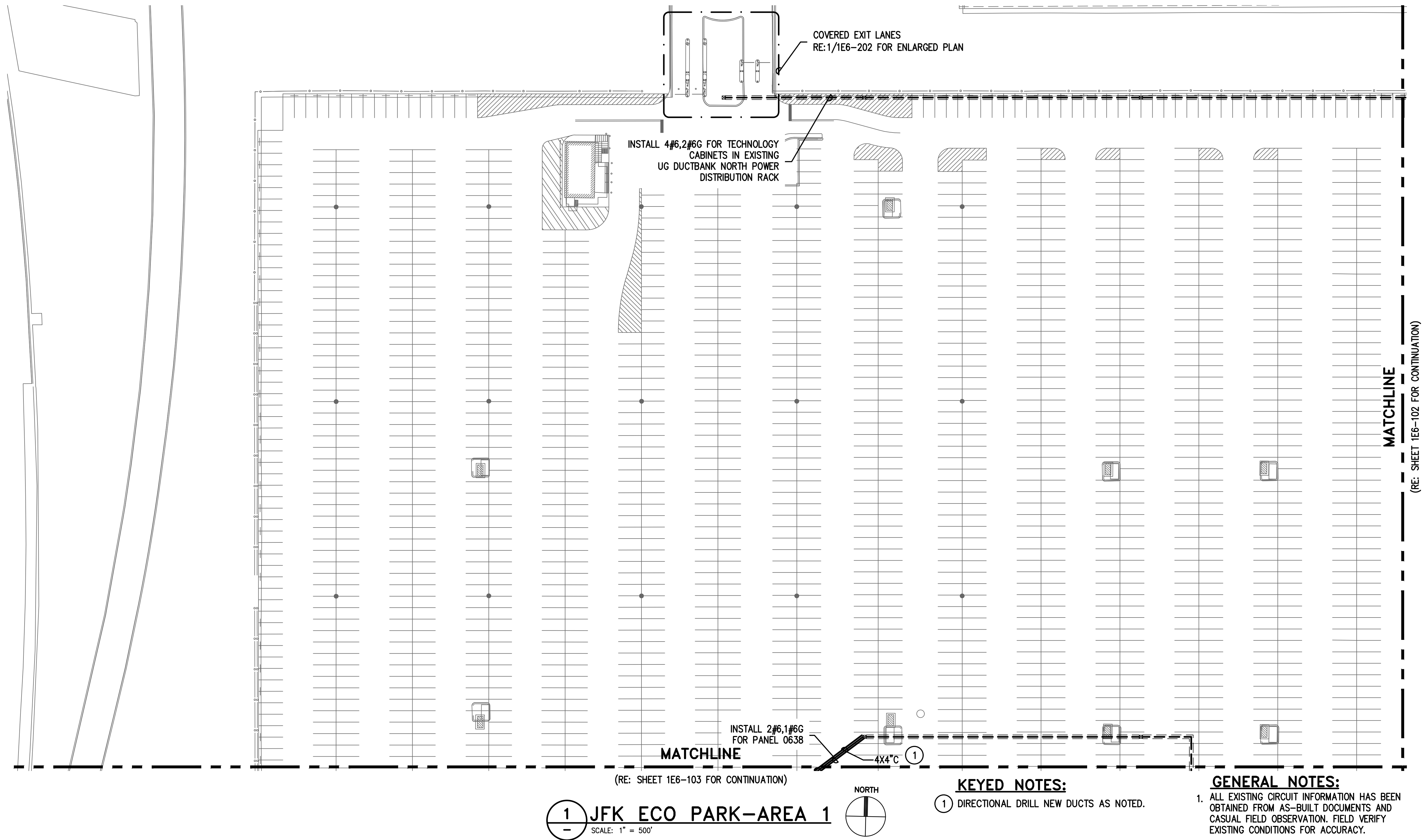


JFK OVERALL

FERGUSON CONSULTING, INC.  
STATE OF TEXAS  
C. LECETTE FERGUSON  
81460  
REGISTERED  
PROFESSIONAL ENGINEER  
F-6864  
2/28/2020

APPROVED BY:	DATE:
DIRECTOR	
HOUSTON AIRPORT SYSTEM	
PROJECT NO.	
067810800	
C.I.P. NO.	
H.A.S. NO.	
PN HKE-PARCS-2020-003	
SHEET NO.	

1E6-101



- KEYED NOTES:**  
 (1) DIRECTIONAL DRILL NEW DUCTS AS NOTED.

- ## GENERAL NOTES:
1. ALL EXISTING CIRCUIT INFORMATION HAS BEEN OBTAINED FROM AS-BUILT DOCUMENTS AND CASUAL FIELD OBSERVATION. FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.
  2. REFER TO TECHNOLOGY PLANS FOR ADDITIONAL EQUIPMENT ROUGH IN REQUIREMENTS FOR LOW VOLTAGE CABLES. ALL CONDUIT ROUGH IN FOR LOW VOLTAGE CABLES TO BE INSTALLED FOLLOWING DIVISION 27 REQUIREMENTS
  3. PARCS CONTRACTOR PROVIDED EQUIPMENT, SUCH AS GATE ARMS, TICKET DISPENSERS, ETC THAT REQUIRE POWER SHALL BE FED FROM ALREADY EXISTING CIRCUITS IN PLACE FOR EXISTING GATE ARMS, TICKET BOOTHS, U.O.N
  4. REFER TO CIVIL PLANS FOR EXACT LOCATIONS OF ALL EQUIPMENT. TICKET DISPENSERS, GATE ARMS, ETC PROVIDED BY SEPARATE CONTRACTOR
  5. ALL PROPOSED CONDUIT/CONDUCTOR SHALL BE 1" RGS W/ 2#12,1#12G U.O.N





HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL

AIRPORT/HOUSTONTEXAS

Kimley-Horn

KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLARK FOREST DRIVE, SUITE 225

THE WOODLANDS, TX 77380

PHONE: 281-475-2816

TYPED FIRM REGISTRATION F-608

WWW.KIMLEY-HORN.COM



Ferguson Consulting

Consultants in Consulting, Engineering, and Environmental Services

FERGUSON CONSULTING, INC.

1500 ROCKWELL AVE., SUITE 100

THE WOODLANDS, TEXAS 77380

(281) 265-8528 Fax: (281) 265-8544

REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
JFK OVERALL

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020

APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. 067810800	
C.I.P. NO.	
H.A.S. NO.	
PN HKE-PARCS-2020-003	
SHEET NO.	

1E6-102

**GENERAL NOTES:**

1. ALL EXISTING CIRCUIT INFORMATION HAS BEEN OBTAINED FROM AS-BUILT DOCUMENTS AND CASUAL FIELD OBSERVATION. FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.
2. REFER TO TECHNOLOGY PLANS FOR ADDITIONAL EQUIPMENT ROUGH IN REQUIREMENTS FOR LOW VOLTAGE CABLES. ALL CONDUIT ROUGH IN FOR LOW VOLTAGE CABLES TO BE INSTALLED FOLLOWING DIVISION 27 REQUIREMENTS
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4. REFER TO CIVIL PLANS FOR EXACT LOCATIONS OF ALL EQUIPMENT. TICKET DISPENSERS, GATE ARMS, ETC PROVIDED BY SEPARATE CONTRACTOR
5. ALL PROPOSED CONDUIT/CONDUCTOR SHALL BE 1" RGS W/ 2#12,1#12G U.O.N

1

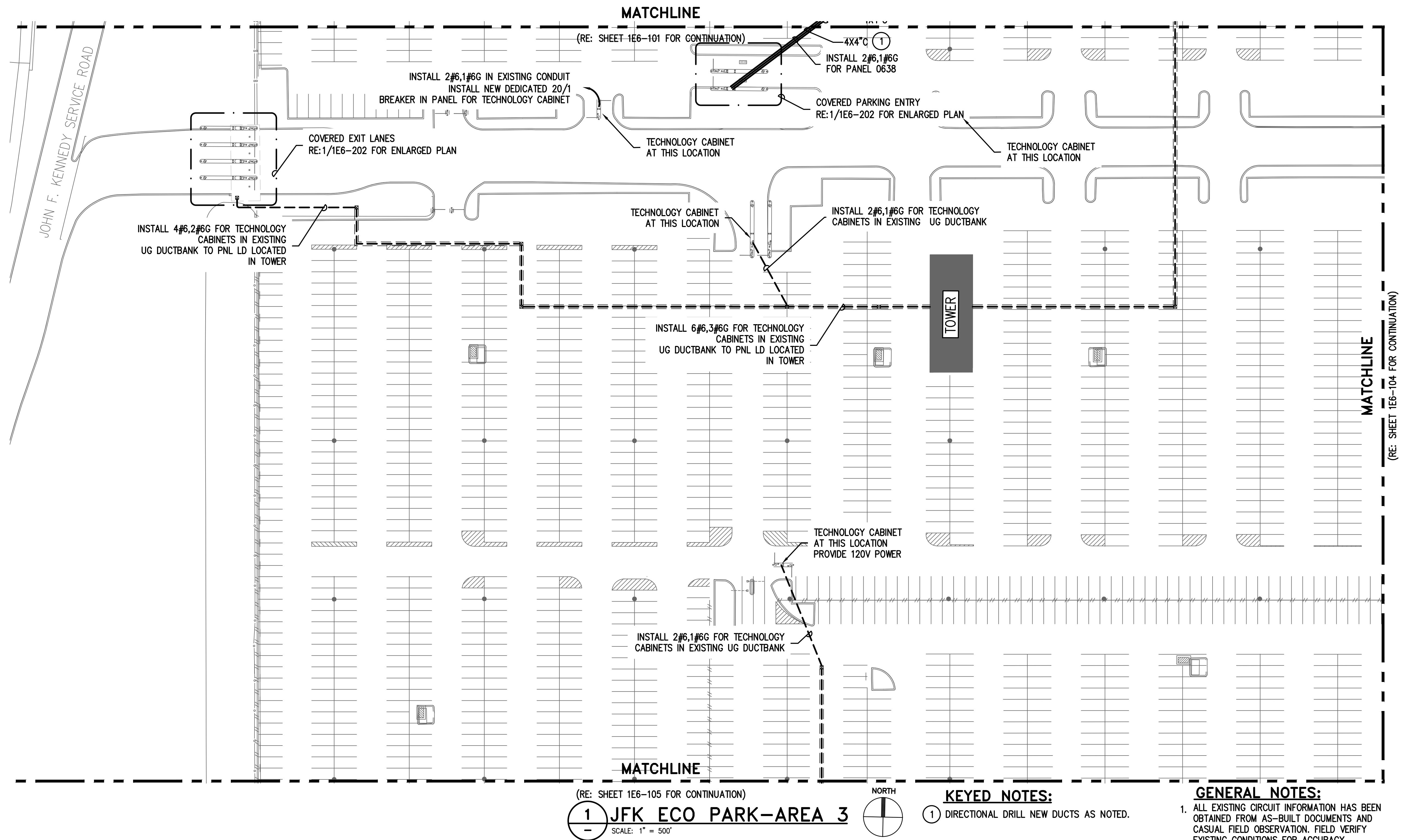
JFK ECO PARK-AREA 2

SCALE: 1" = 500'

NORTH

Q:\Shared\FCI Projects\19007-IAH HAS PARCS\Dwg\JFK ECOPARK\1E6-101 JFK ECOPARK.dwg Feb 27, 2020 1:31pm





1 JFK ECO PARK-AREA 3

KEYED NOTES:  
1 DIRECTIONAL DRILL NEW DUCTS AS NOTED.

GENERAL NOTES:

- ALL EXISTING CIRCUIT INFORMATION HAS BEEN OBTAINED FROM AS-BUILT DOCUMENTS AND CASUAL FIELD OBSERVATION. FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.
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- ALL PROPOSED CONDUIT/CONDUCTOR SHALL BE 1" RGS W/ 2#12,1#12G U.O.N

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

**Kimley-Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLARK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FIRM REGISTRATION # 528  
WWW.KIMLEY-HORN.COM

**Ferguson Consulting**  
FERGUSON CONSULTING, INC.  
1000 WOODLARK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TEXAS 77380  
CNO 285-5525, TOLL FREE 1-800-456-4564

REVISIONS  
NO. DESCRIPTION DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
JFK OVERALL

PROJECT MGR: LF  
DESIGNER: PM  
DRAWN BY: FR  
CHECKED BY: LF  
SCALE: AS SHOWN  
DATE: 2/28/2020

APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.

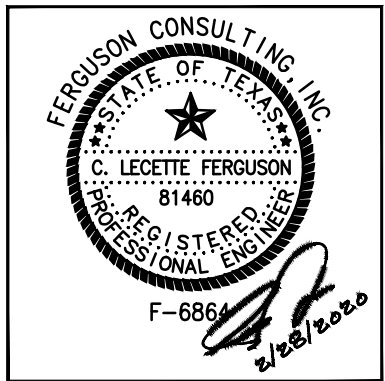
1E6-103



REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
JFK OVERALL

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



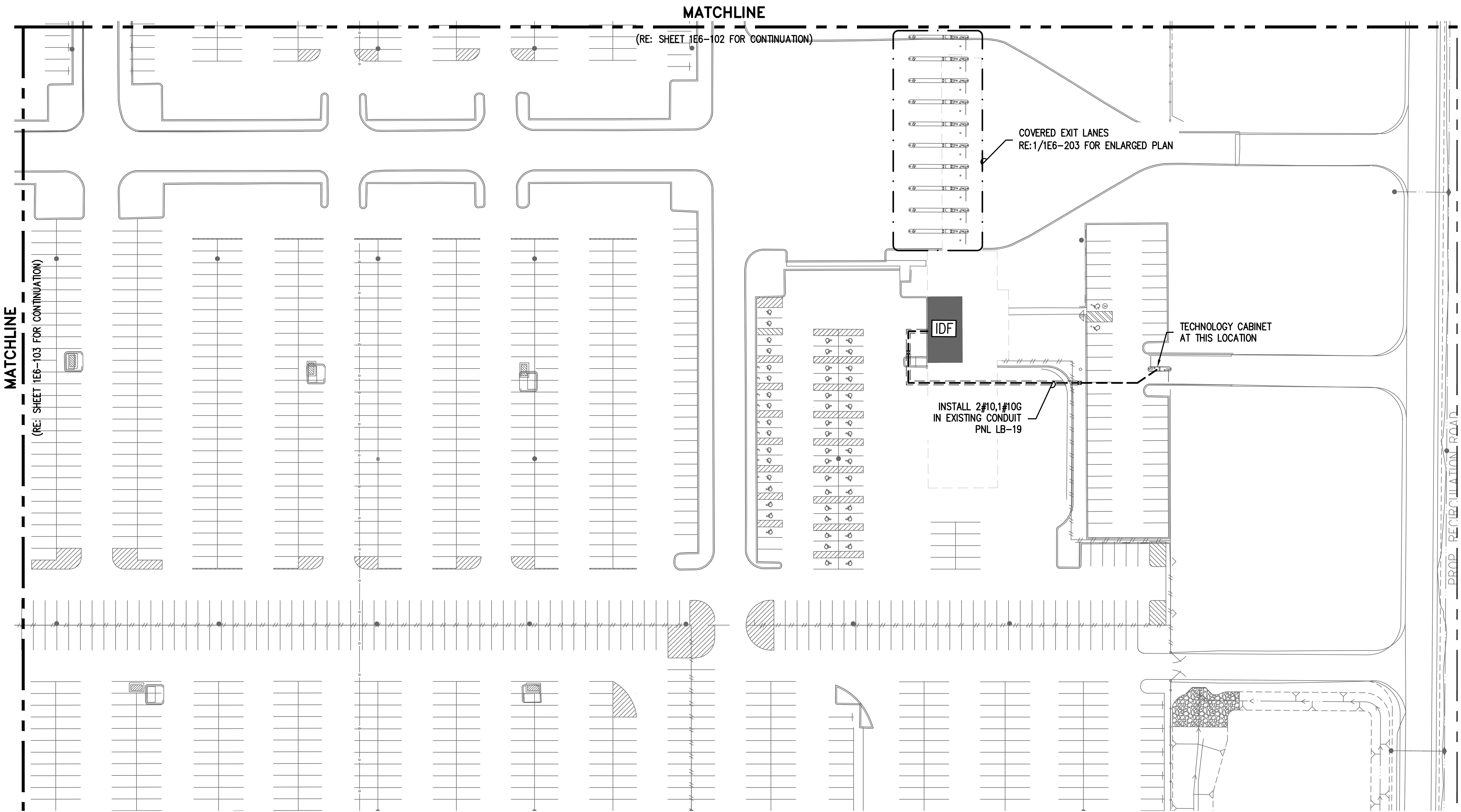
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

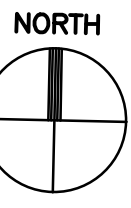
PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1E6-104



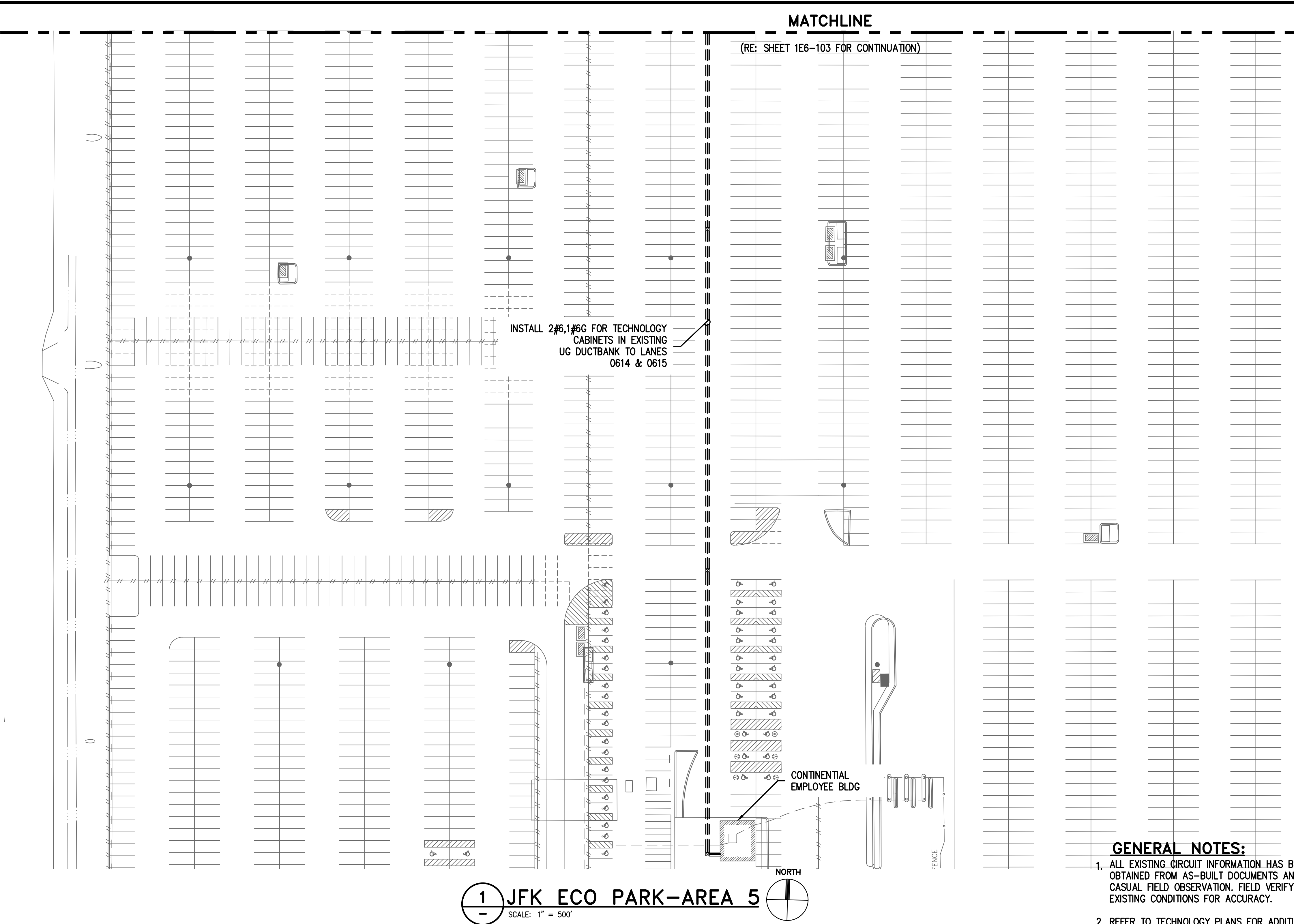
1 JFK ECO PARK-AREA 4  
SCALE: 1" = 500'



**GENERAL NOTES:**

1. ALL EXISTING CIRCUIT INFORMATION HAS BEEN OBTAINED FROM AS-BUILT DOCUMENTS AND CASUAL FIELD OBSERVATION. FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.
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5. ALL PROPOSED CONDUIT/CONDUCTOR SHALL BE 1" RGS W/ 2#12,1#12G U.O.N





**GENERAL NOTES:**

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**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

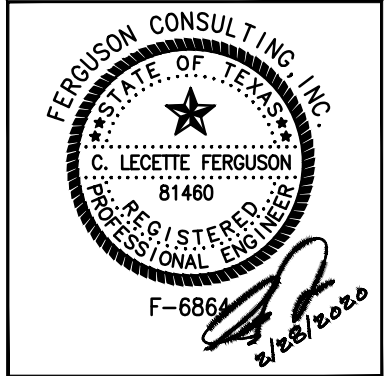
**Kimley-Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLICK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
TYPED FIRM REGISTRATION # 628  
WWW.KIMLEY-HORN.COM

**Ferguson Consulting**  
CONSULTANTS IN DESIGN, PLANNING, AND  
CONSTRUCTION MANAGEMENT  
FERGUSON CONSULTING, INC.  
1002 ROCKING HILL RD, SUITE 400  
THE WOODLANDS, TEXAS 77380  
(281) 465-1000 FAX (281) 465-1004

REVISIONS		
NO.	DESCRIPTION	DATE BY

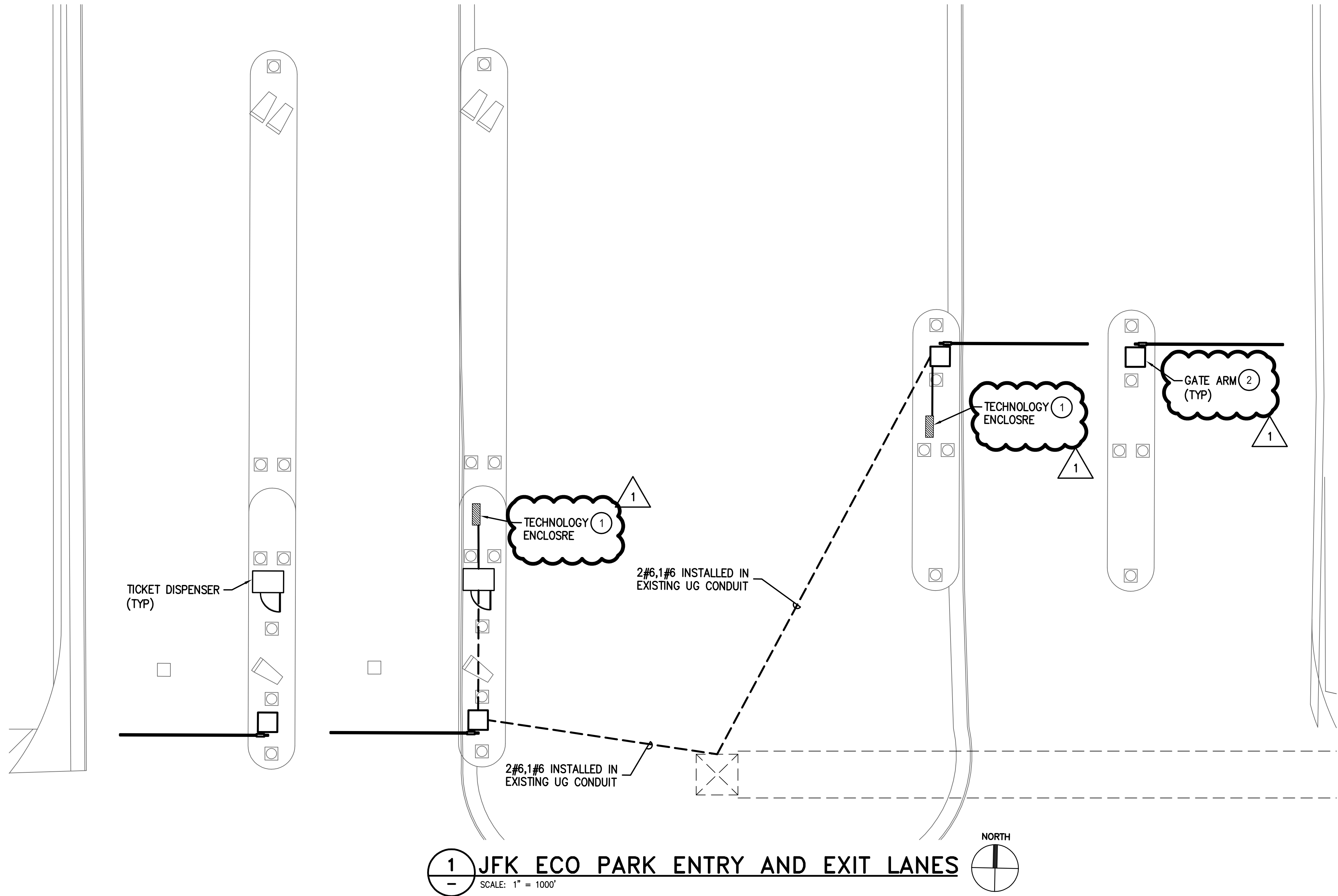
**PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
JFK OVERALL**

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. <b>067810800</b>	
C.I.P. NO.	
H.A.S. NO.	
<b>PN HKE-PARCS-2020-003</b>	
SHEET NO.	



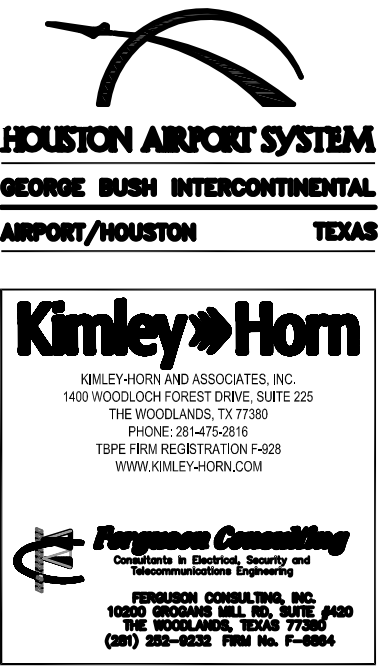


### GENERAL NOTES:

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### KEYED NOTES:

- 1 TECHNOLOGY CABINET LOCATION. PROVIDE DEDICATED QUAD RECEPTACLE WITH GFCI PROTECTION. REFER TO 1E0-401 FOR CABINET DETAIL.
- 2 GATE ARM IS BEING REPLACED. RECONNECT TO EXISTING CONDUCTORS. MODIFY EXISTING CIRCUIT TO PROVIDE GFCI PROTECTION.



REVISIONS		
NO.	DESCRIPTION	DATE BY
1	PERMIT REVISION 1	06/12/20 FCI

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
JFK ENLARGED PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

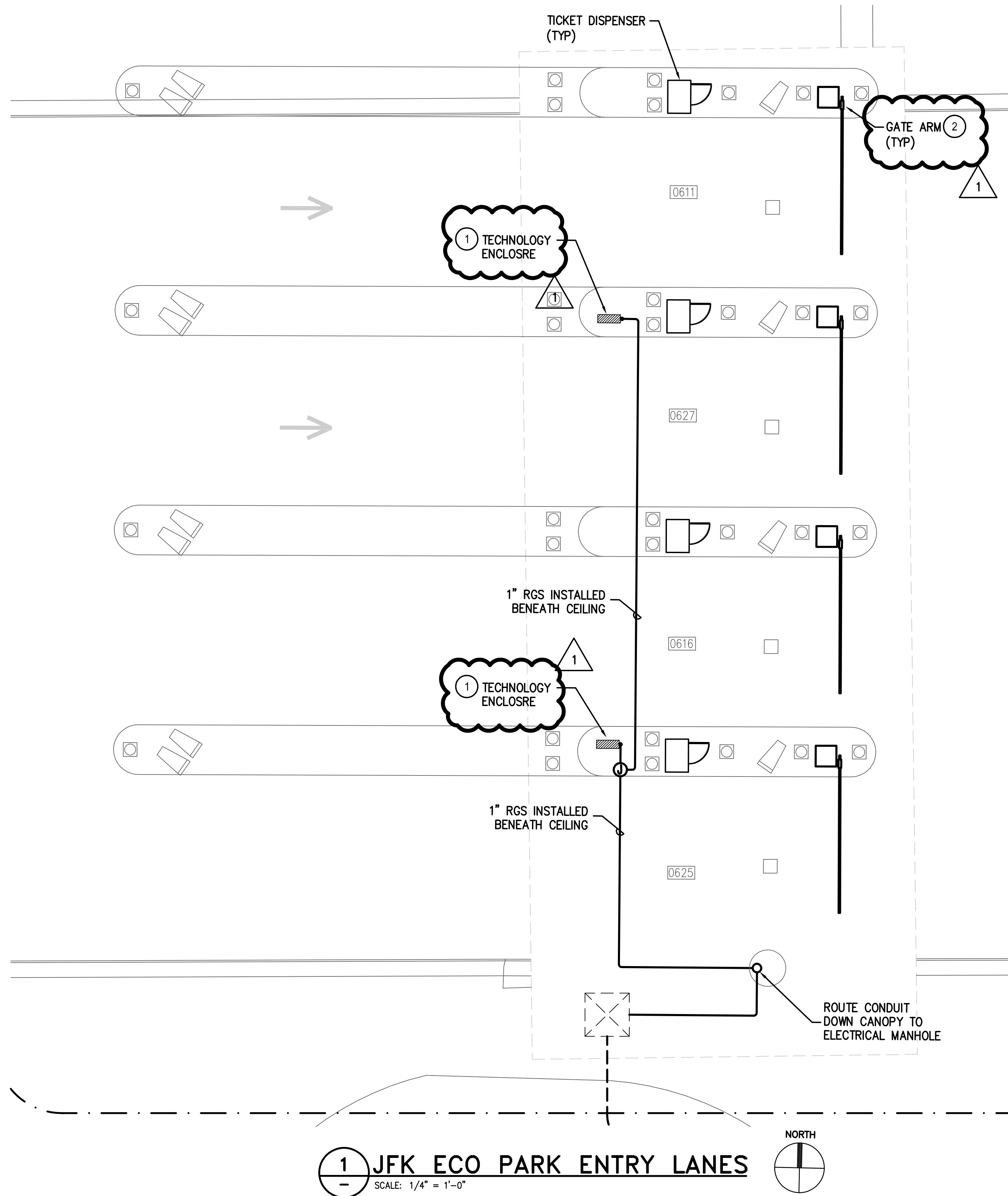
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1E6-201



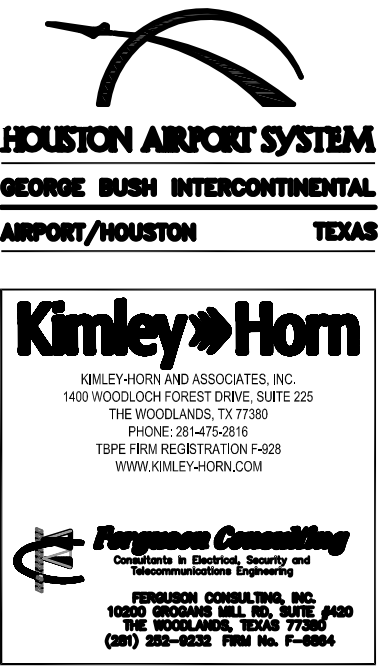


### GENERAL NOTES:

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REVISIONS		
NO.	DESCRIPTION	DATE BY
1	PERMIT REVISION 1	06/12/20 FCI

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
JFK ENLARGED PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

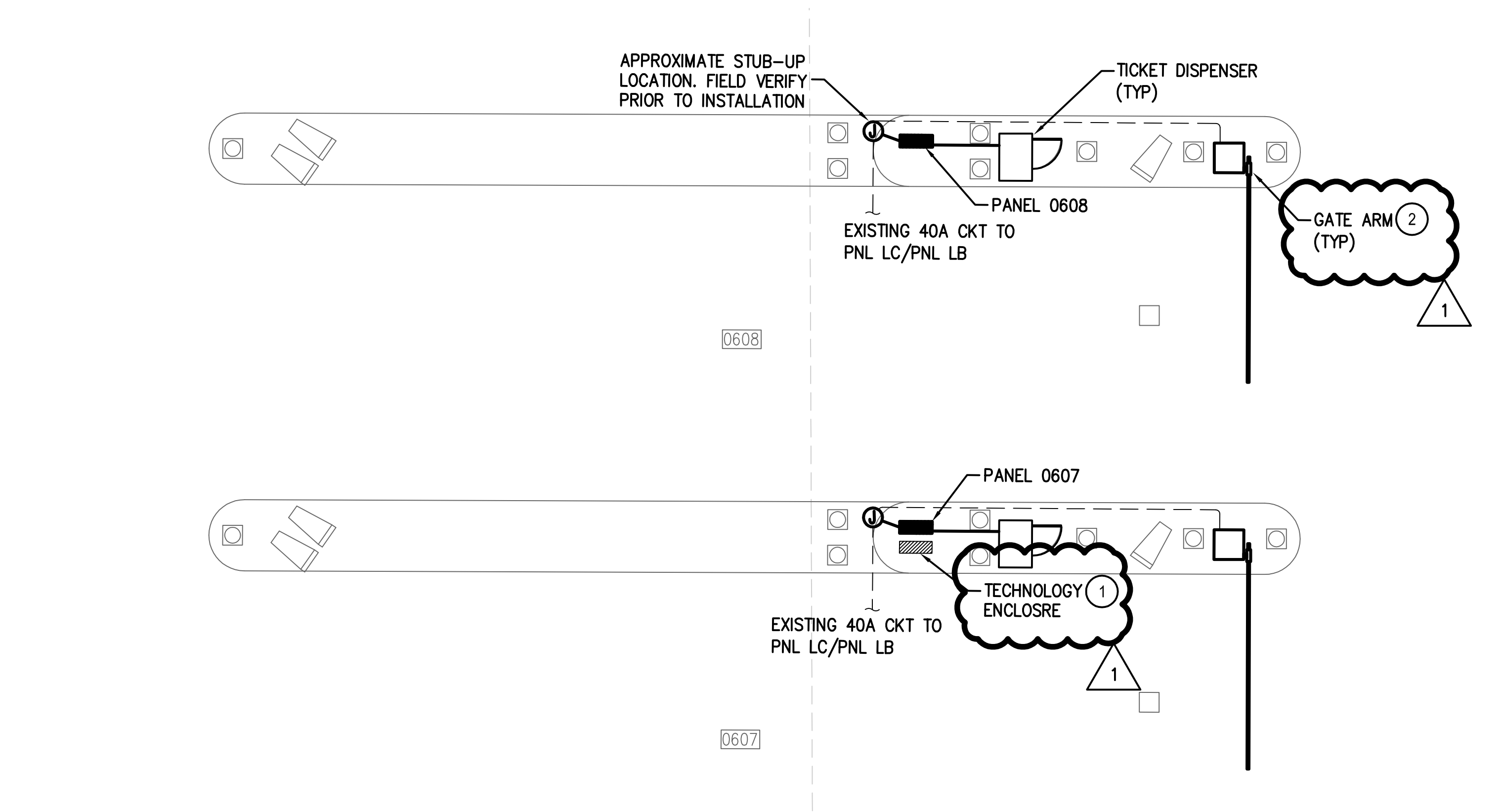
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

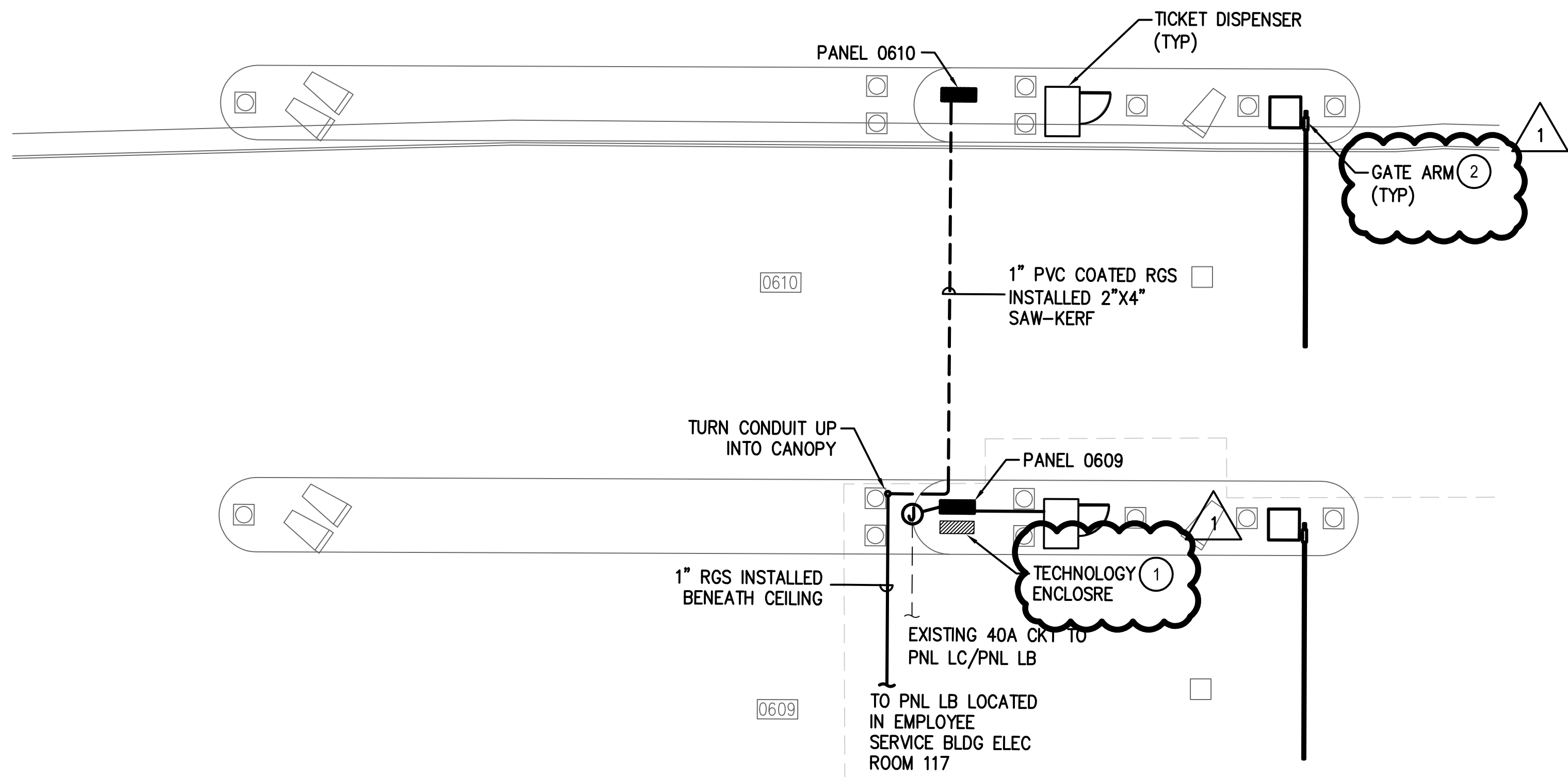
H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1E6-202





1 JFK ECO PARK EXIT LANES  
SCALE: 1" = 1000'



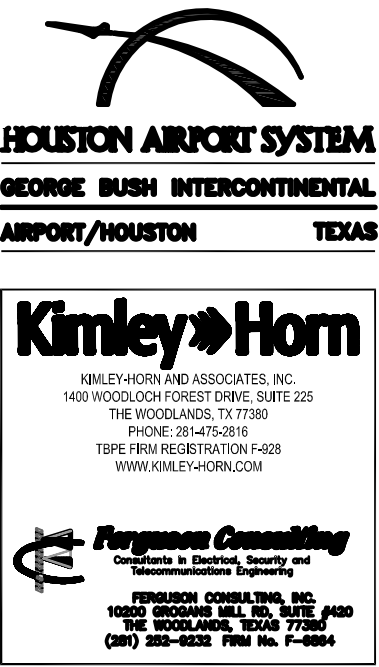
2 JFK ECO PARK EXIT LANES  
SCALE: 1" = 1000'

GENERAL NOTES:

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KEYED NOTES:

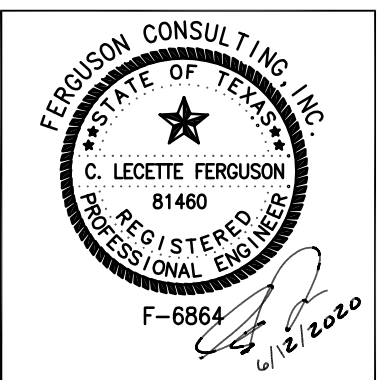
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REVISIONS		
NO.	DESCRIPTION	DATE BY
1	PERMIT REVISION 1	06/12/20 FCI

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
JFK ENLARGED PLANS

PROJECT MGR: LF  
DESIGNER: PM  
DRAWN BY: FR  
CHECKED BY: LF  
SCALE: AS SHOWN  
DATE: 2/28/2020



APPROVED BY: DATE:

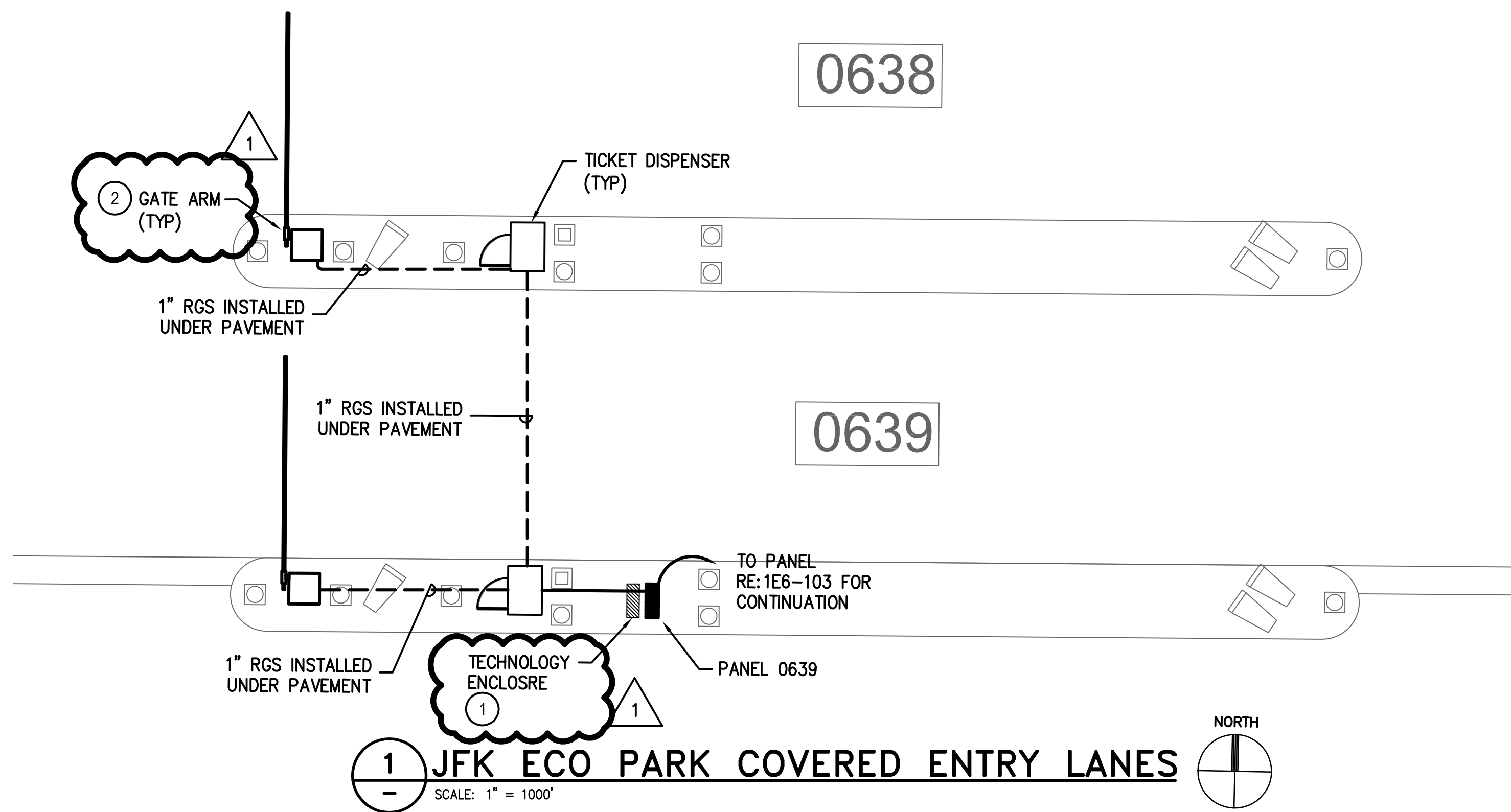
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.

1E6-203





### GENERAL NOTES:

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5. ALL PROPOSED CONDUIT/CONDUCTOR SHALL BE 1" RGS W/ 2#12,1#12G U.O.N

### KEYED NOTES:

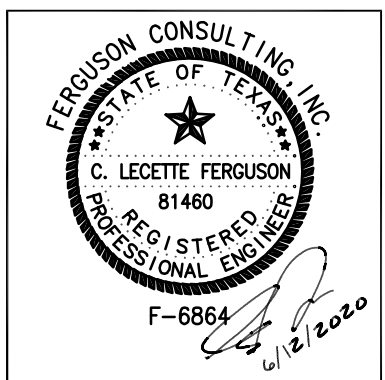
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REVISIONS		
NO.	DESCRIPTION	DATE BY
1	PERMIT REVISION 1	06/12/20 FCI

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
JFK ENLARGED PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**

C.I.P. NO.

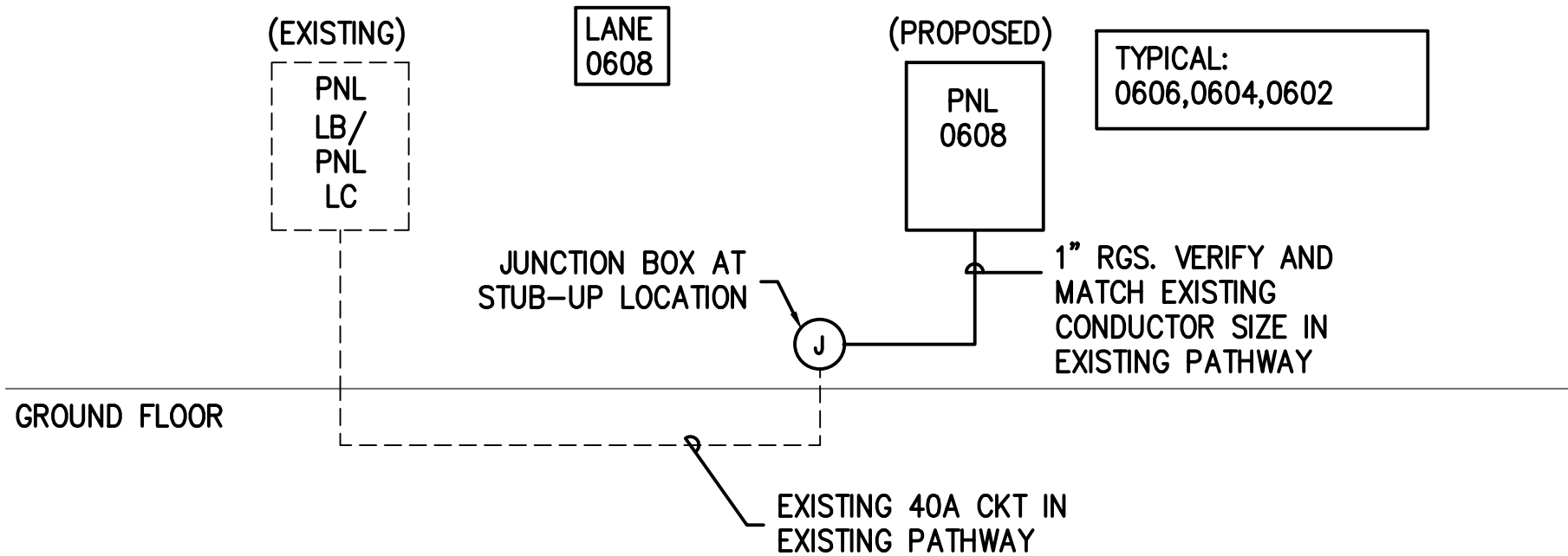
H.A.S. NO.

**PN HKE-PARCS-2020-003**

SHEET NO.

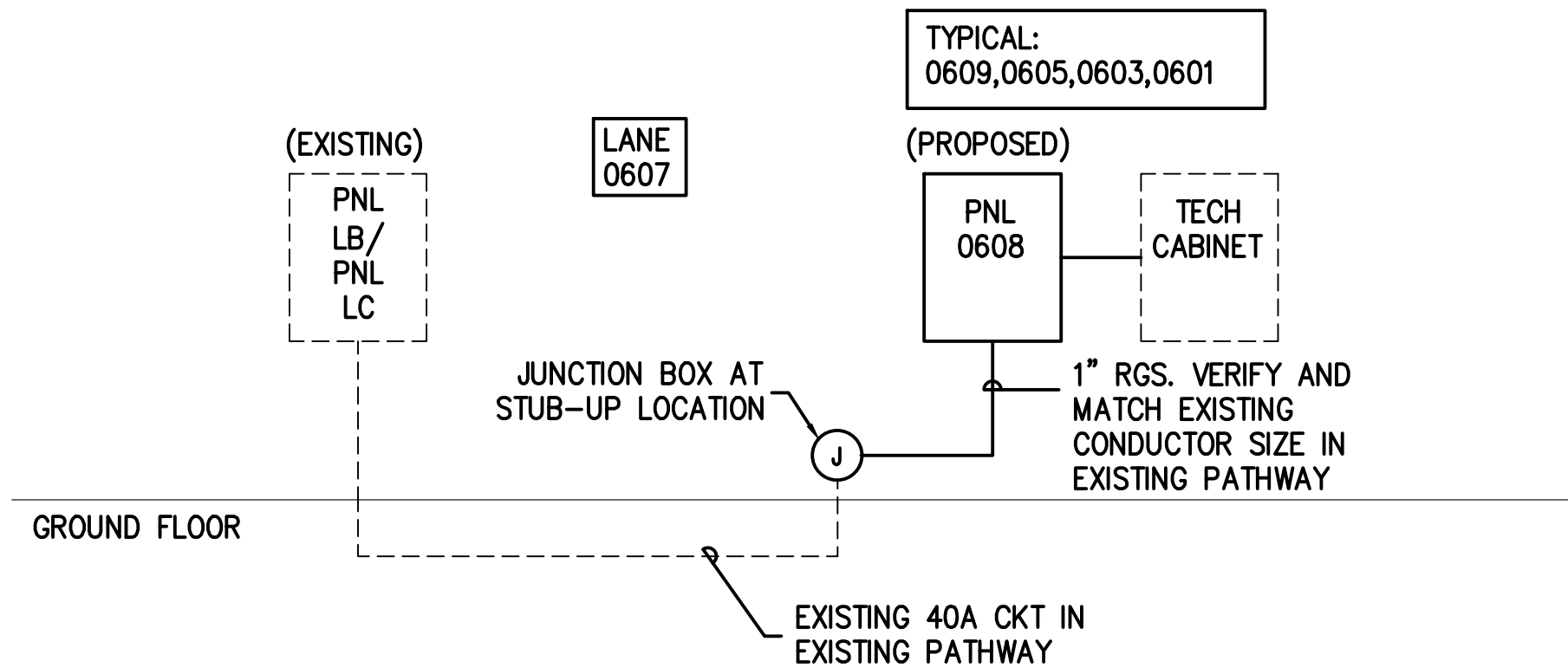
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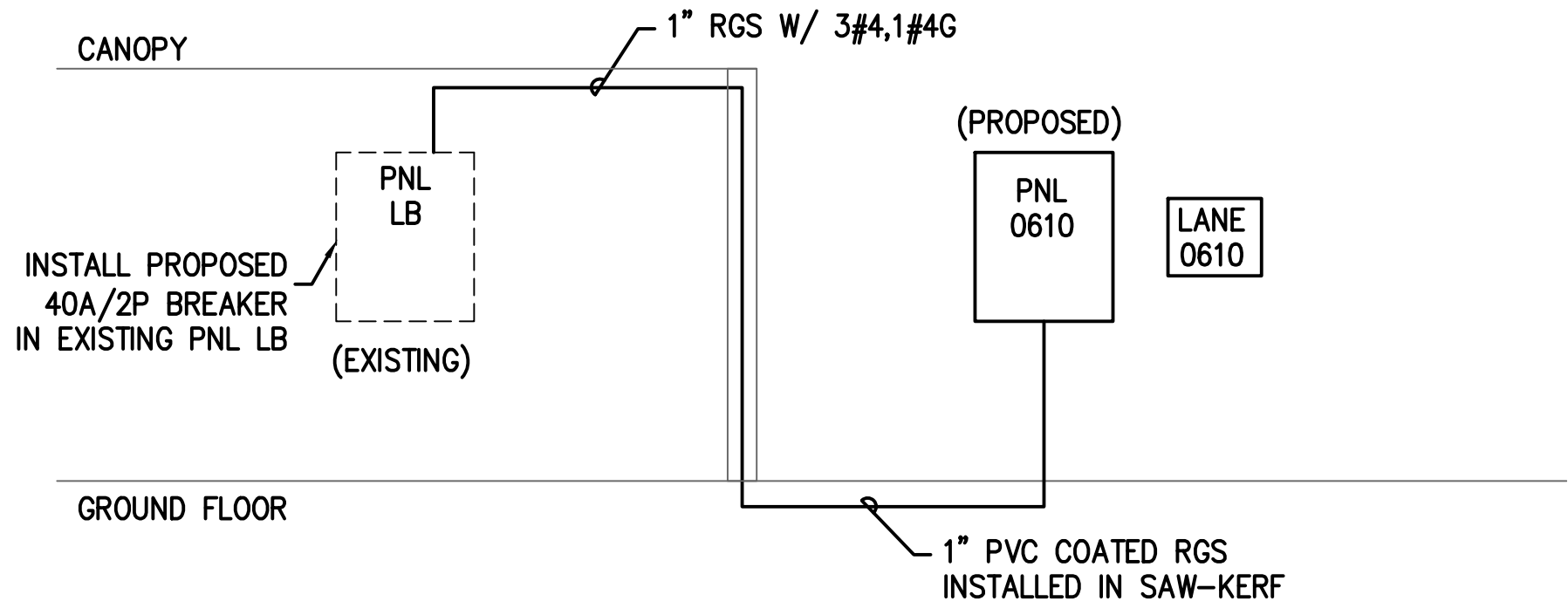
1 JFK ECO PARK RISER DIAGRAM

SCALE: NTS



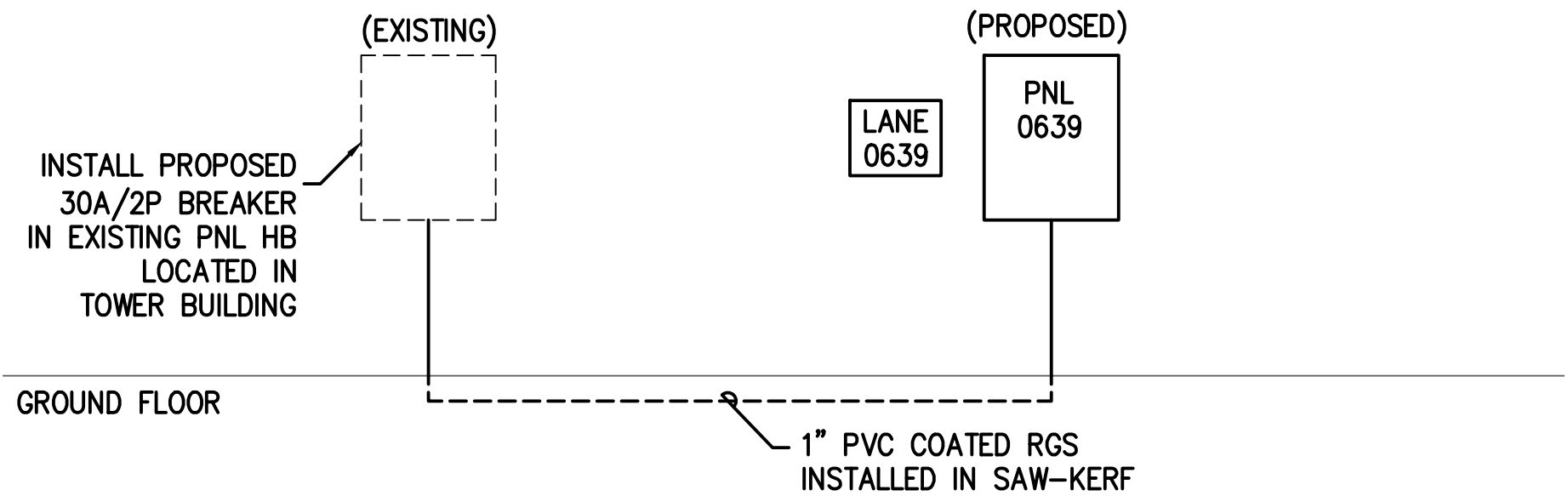
2 JFK ECO PARK RISER DIAGRAM

SCALE: NTS



3 JFK ECO PARK RISER DIAGRAM

SCALE: NTS



4 JFK ECO PARK RISER DIAGRAM





SCALE: NTS

PANEL: 0608			VOLTAGE: 120/208		1 Ø 3		W/AIC: 22,000		TYP. FOR PNLS: 0608,0606,0604,0602			
			MAINS: 40 AMPS		<input type="checkbox"/> MLO <input checked="" type="checkbox"/> MCB		<input checked="" type="checkbox"/> SURFACE <input type="checkbox"/> FLUSH					
			LUGS: <input type="checkbox"/> SUB-FEED		<input type="checkbox"/> FEED-THRU		<input type="checkbox"/> NEMA 1 <input checked="" type="checkbox"/> NEMA 3R					
C**	WIRE*	LOAD DESCRIPTION	KVA	BKR.	CKT		CKT	BKR.	KVA	LOAD DESCRIPTION	WIRE*	C**
		GATE ARM	0.6	20/1	1		2	20/1	0.6	SIGNAGE		
		TICKET DISPENSER	0.6	20/1	3		4	20/1	X.X	SPARE		
		SPARE	X.X	20/1	5		6	20/1	X.X	SPARE		
		SPARE	X.X	20/1	7		8	20/1	X.X	SPARE		
* ALL BRANCH CIRCUITS ARE 2 #12, 1 #12G; 3/4"C (U.O.N.).								1.7	KVA CONNECTED LOAD			
								2.0	KVA DEMAND			
								9.6	AMPS DEMAND @ 208V			

\* ALL BRANCH CIRCUITS ARE 2 #12, 1 #12G; 3/4"C (U.O.N.).

PANEL: 0607			VOLTAGE: 120/208			1 Ø 3			W/AIC: 22,000			TYP. FOR PNLS: 0609,0605,0603, 0601											
			MAINS: 40 AMPS			<input type="checkbox"/> MLO <input checked="" type="checkbox"/> MCB			<input checked="" type="checkbox"/> SURFACE <input type="checkbox"/> FLUSH														
			LUGS: <input type="checkbox"/> SUB-FEED			<input type="checkbox"/> FEED-THRU			<input type="checkbox"/> NEMA 1 <input checked="" type="checkbox"/> NEMA 3R														
C**		WIRE*		LOAD DESCRIPTION		KVA		BKR.		CKT		CKT		BKR.		KVA		LOAD DESCRIPTION		WIRE*		C**	
				GATE ARM		0.6		20/1		1				2		20/1		0.6		SIGNAGE			
				TICKET DISPENSER		0.6		20/1		3				4		20/1		0.6		TECHNOLOGY CABINET			
				SPARE		X.X		20/1		5				6		20/1		X.X		SPARE			
				SPARE		X.X		20/1		7				8		20/1		X.X		SPARE			
* ALL BRANCH CIRCUITS ARE 2 #12, 1 #12G; 3/4"C (U.O.N.).														2.3		KVA CONNECTED LOAD							
														2.6		KVA DEMAND							
														12.56		AMPS DEMAND @ 208V							

\* ALL BRANCH CIRCUITS ARE 2 #12, 1 #12G; 3/4"C (U.O.N.).

PANEL: 0639			VOLTAGE: 120/208		1 Ø 3		W/AIC: 22,000		REMARKS:			
			MAINS: 30 AMPS		<input type="checkbox"/> MLO <input checked="" type="checkbox"/> MCB		<input checked="" type="checkbox"/> SURFACE <input type="checkbox"/> FLUSH					
			LUGS: <input type="checkbox"/> SUB-FEED		<input type="checkbox"/> FEED-THRU		<input type="checkbox"/> NEMA 1 <input checked="" type="checkbox"/> NEMA 3R					
C**	WIRE*	LOAD DESCRIPTION	KVA	BKR.	CKT		CKT	BKR.	KVA	LOAD DESCRIPTION	WIRE*	C**
		GATE ARM	0.6	20/1	1		2	20/1	0.6	TECHNOLOGY CABINET		
		GATE ARM	0.6	20/1	3		4	20/1	X.X	SPARE		
		TICKET DISPENSER	0.6	20/1	5		6	20/1	X.X	SPARE		
		TICKET DISPENSER	0.6	20/1	7		8	20/1	X.X	SPARE		
* ALL BRANCH CIRCUITS ARE 2 #12, 1 #12G; 3/4"C (U.O.N.).								3.0	KVA CONNECTED LOAD			
								3.0	KVA DEMAND			
								14.4	AMPS DEMAND @ 208V			

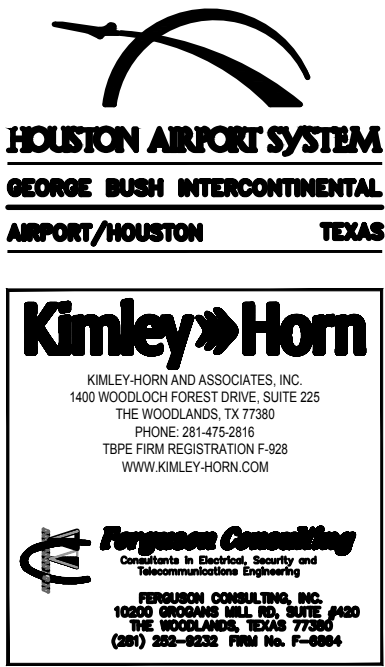
\* ALL BRANCH CIRCUITS ARE 2 #12, 1 #12G; 3/4"C (U.O.N.).

PANEL: LB		VOLTAGE: 120/208		3 Ø 4		W/AIC: 22,000		REMARKS: EXISTING PANEL BOARD LOCATED IN ELEC RM 117				
		MAINS: 150 AMPS		<input type="checkbox"/> MLO <input checked="" type="checkbox"/> MCB		<input type="checkbox"/> SURFACE <input type="checkbox"/> FLUSH						
		LUGS: <input type="checkbox"/> SUB-FEED		<input type="checkbox"/> FEED-THRU		<input type="checkbox"/> NEMA 1 <input type="checkbox"/> NEMA 3R						
C**	WIRE*	LOAD DESCRIPTION	KVA	BKR.	CKT	CKT	BKR.	KVA	LOAD DESCRIPTION	WIRE*	C**	
		TOLL BOOTH NO. 1	2.6	45/2	1		2	45/2	2.6	TOLL BOOTH NO. 7		
		TOLL BOOTH NO. 3	2.6	45/2	3		4	45/2	2.6	TOLL BOOTH NO. 9		
		TOLL BOOTH NO. 5	2.6	45/2	5		6	45/2	2.6	TOLL BOOTH NO. 11		
		TOLL BOOTH NO. 7	2.6	45/2	7		8	45/2	2.6	TOLL BOOTH NO. 13		
		TOLL BOOTH NO. 9	2.6	45/2	9		10	45/2	2.6	TOLL BOOTH NO. 15		
		SEW LIFT STATION ALARM			11		12					
		BANK ROOM			13		14					
		SPARE			15		16					
		SPARE			17		18					
		EAST GATES			19		20					
EXISTING	3#10	TECHNOLOGY CAB	20		21		22					
		SPARE			23		24					
		SPARE			25		26					
		SPARE			27		28					
		SPARE			29		30					
	1"	3#4,1#4 PANEL 0610	2.0	45/2	27		28					
					29		30					

\* ALL BRANCH CIRCUITS ARE 2 #12, 1 #12G; 3/4"C (U.O.N.).

GENERAL NOTES:

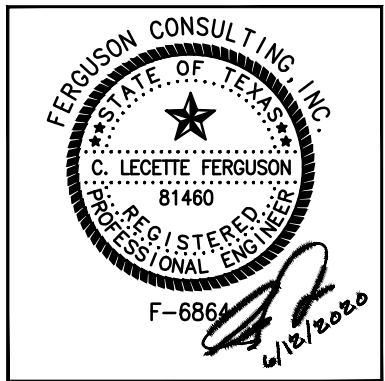
- ALL NEW OUTDOOR EQUIPMENT SHALL BE NEMA 4 RATED.
- CONTRACTOR SHALL GROUND AND BOND ALL PANELS, BOXES, RACKS, JUNCTION BOXES, AND DISCONNECTS PER NEC SECTION 250.



REVISIONS		
NO.	DESCRIPTION	DATE BY
1	PERMIT REVISION 1	06/12/20 FCI

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
JFK ECO PARK-RISER DIAGRAMS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.  
H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

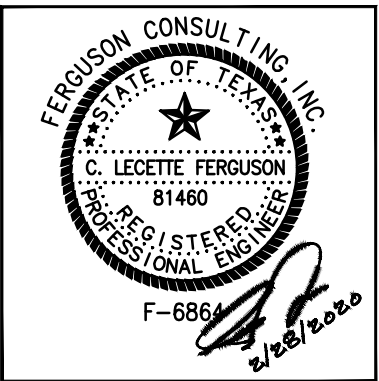
1E6-301



REVISIONS		
NO.	DESCRIPTION	DATE BY

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
WILL CLAYTON OVERALL SITE

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



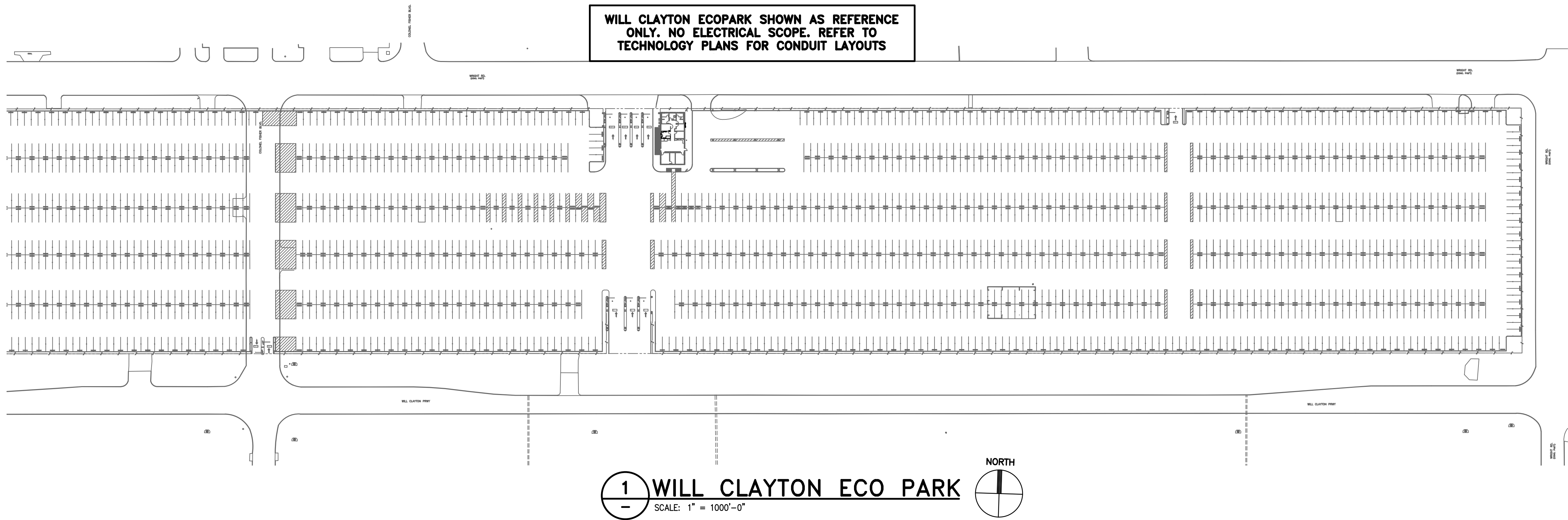
APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

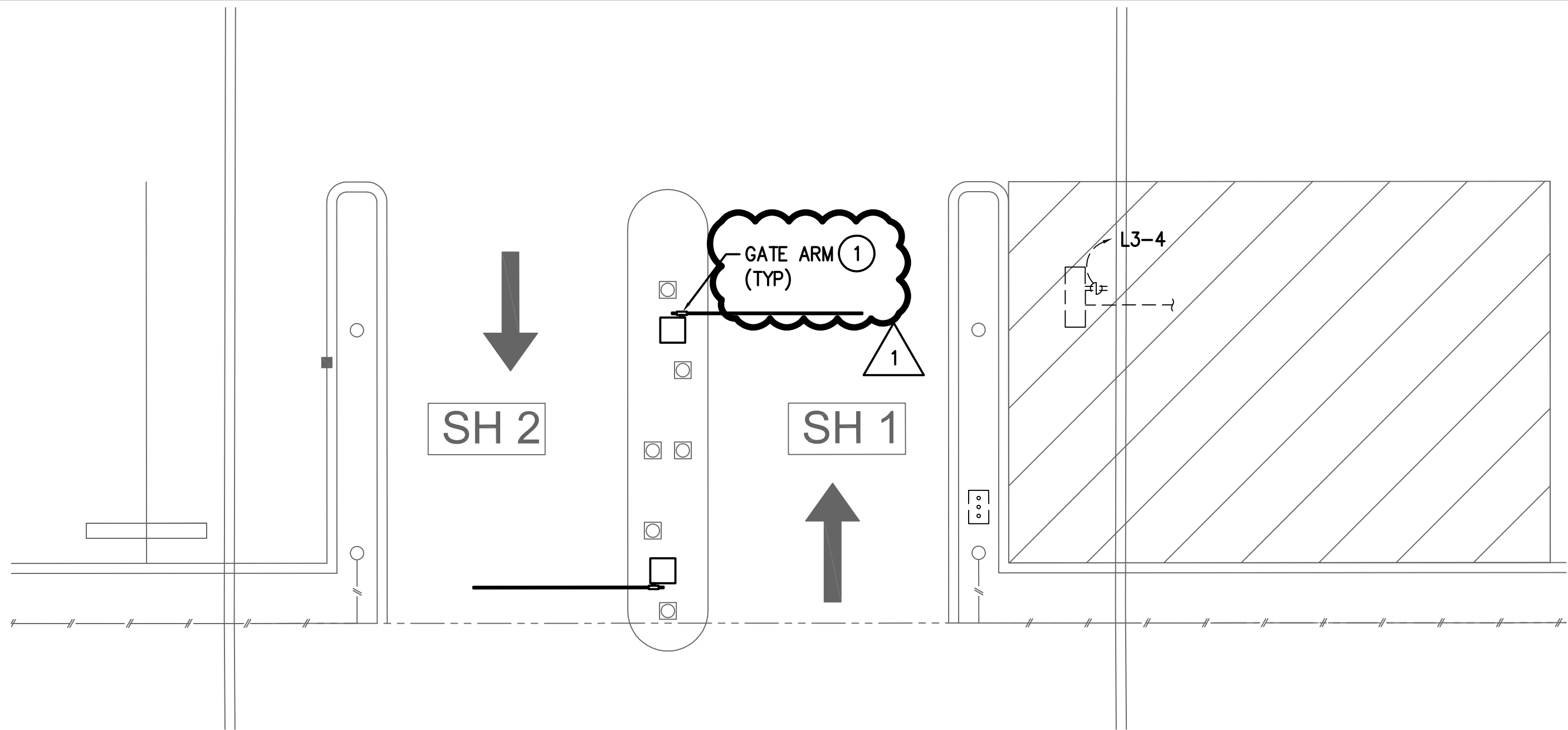
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**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

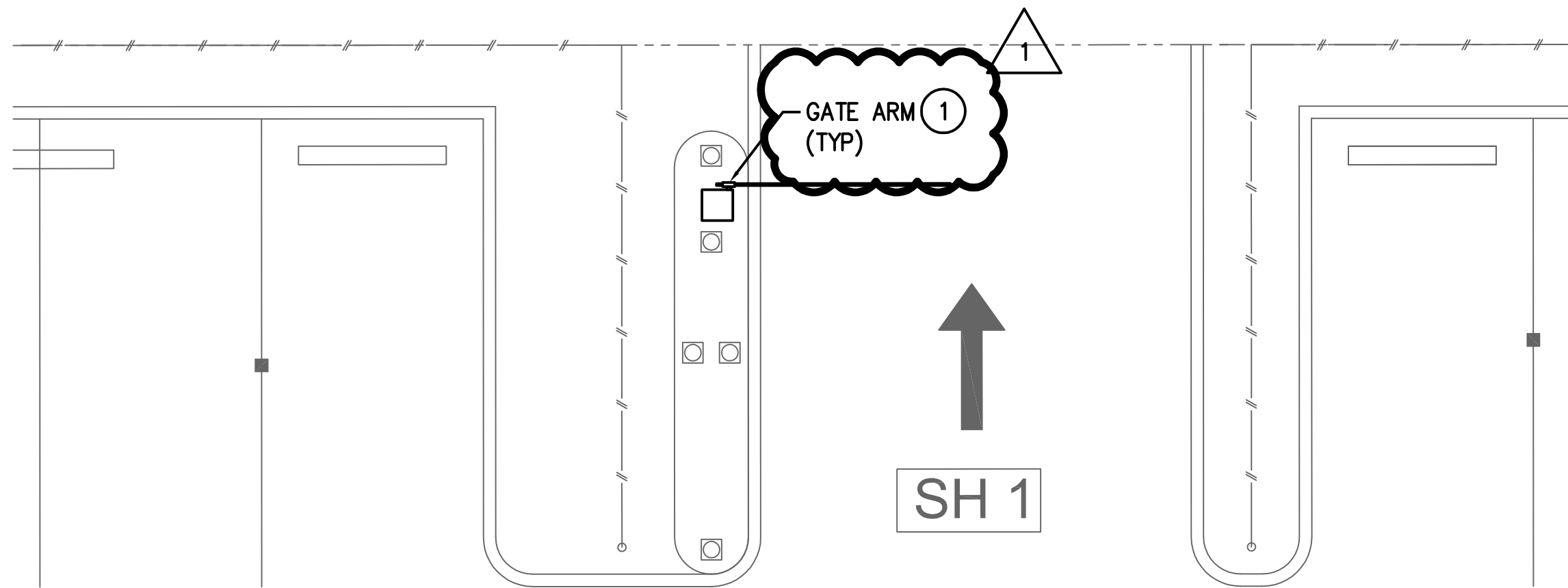
1E7-100







1 WILL CLAYTON ECOPARK BUS LANES  
SCALE: 3/16" = 1'-0"



1 WILL CLAYTON ECOPARK BUS EXIT  
SCALE: 3/16" = 1'-0"

GENERAL NOTES:

- EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
- REFER TO 117-300 SERIES FOR CONDUIT AND CABLE SIZES & QUANTITIES
- REFER TO 117-400 SERIES FOR SPECIFIC EQUIPMENT DETAILS AND 010-200 SERIES FOR TYPICAL DETAILS
- REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION
- UTILIZE EXISTING PATHWAYS WHERE AVAILABLE. INSTALL PROPOSED CONDUIT SECTIONS AS NEEDED TO COMPLETE WORK

KEYED NOTES:

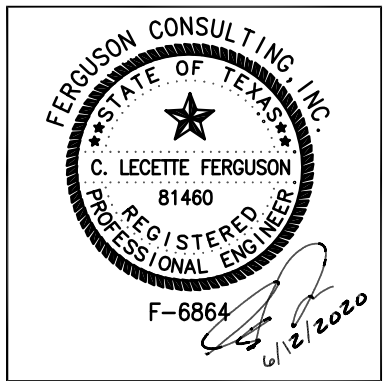
- GATE ARM IS BEING REPLACED. RECONNECT TO EXISTING CONDUCTORS. MODIFY EXISTING CIRCUIT TO PROVIDE GFCI PROTECTION.



REVISIONS		
NO.	DESCRIPTION	DATE BY
1	PERMIT REVISION 1	06/12/20 FCI

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
WILL CLAYTON ENLARGED PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

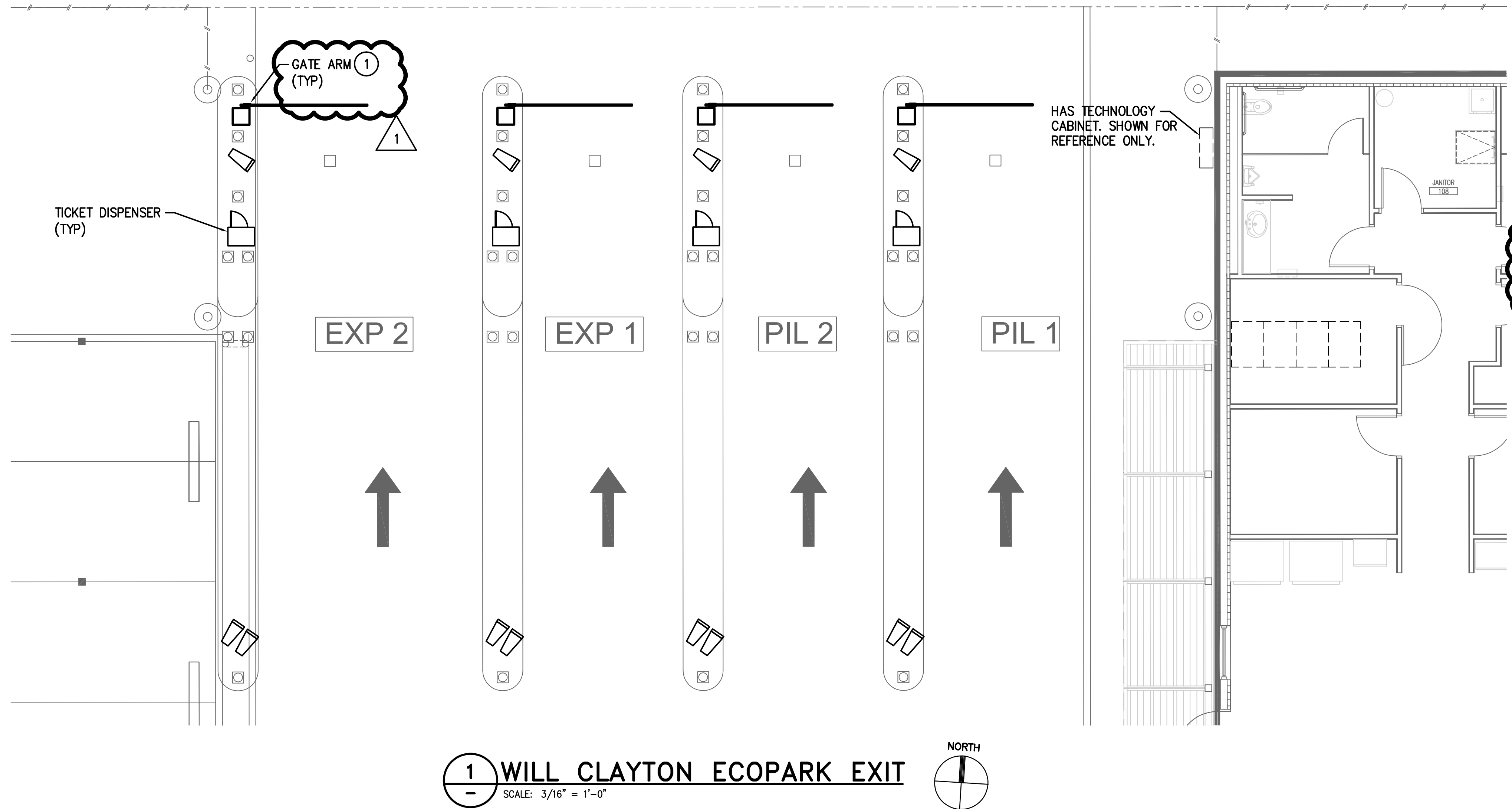
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
067810800  
C.I.P. NO.

H.A.S. NO.  
PN HKE-PARCS-2020-003  
SHEET NO.

1E7-201





**GENERAL NOTES:**

1. EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
2. REFER TO 1T7-300 SERIES FOR CONDUIT AND CABLE SIZES & QUANTITIES
3. REFER TO 1T7-400 SERIES FOR SPECIFIC EQUIPMENT DETAILS AND OT0-200 SERIES FOR TYPICAL DETAILS
4. REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION
5. UTILIZE EXISTING PATHWAYS WHERE AVAILABLE. INSTALL PROPOSED CONDUIT SECTIONS AS NEEDED TO COMPLETE WORK

**KEYED NOTES:**

- 1 GATE ARM IS BEING REPLACED. RECONNECT TO EXISTING CONDUCTORS. MODIFY EXISTING CIRCUIT TO PROVIDE GFCI PROTECTION.

**HOUSTON AIRPORT SYSTEM**  
GEORGE BUSH INTERCONTINENTAL  
AIRPORT/HOUSTON TEXAS

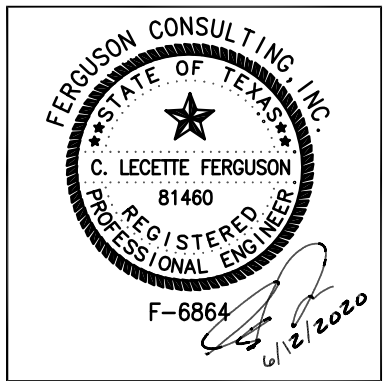
**Kimley-Horn**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1400 WOODLARK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TX 77380  
PHONE: 281-475-2816  
FAX: 281-475-2817  
WWW.KIMLEY-HORN.COM

**Ferguson Consulting**  
FERGUSON CONSULTING, INC.  
1000 WOODLARK FOREST DRIVE, SUITE 225  
THE WOODLANDS, TEXAS 77380  
PH: 281-475-2816 FAX: 281-475-2817

REVISIONS		
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PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
WILL CLAYTON ENLARGED PLANS

PROJECT MGR:	LF
DESIGNER:	PM
DRAWN BY:	FR
CHECKED BY:	LF
SCALE:	AS SHOWN
DATE:	2/28/2020



APPROVED BY: DATE:

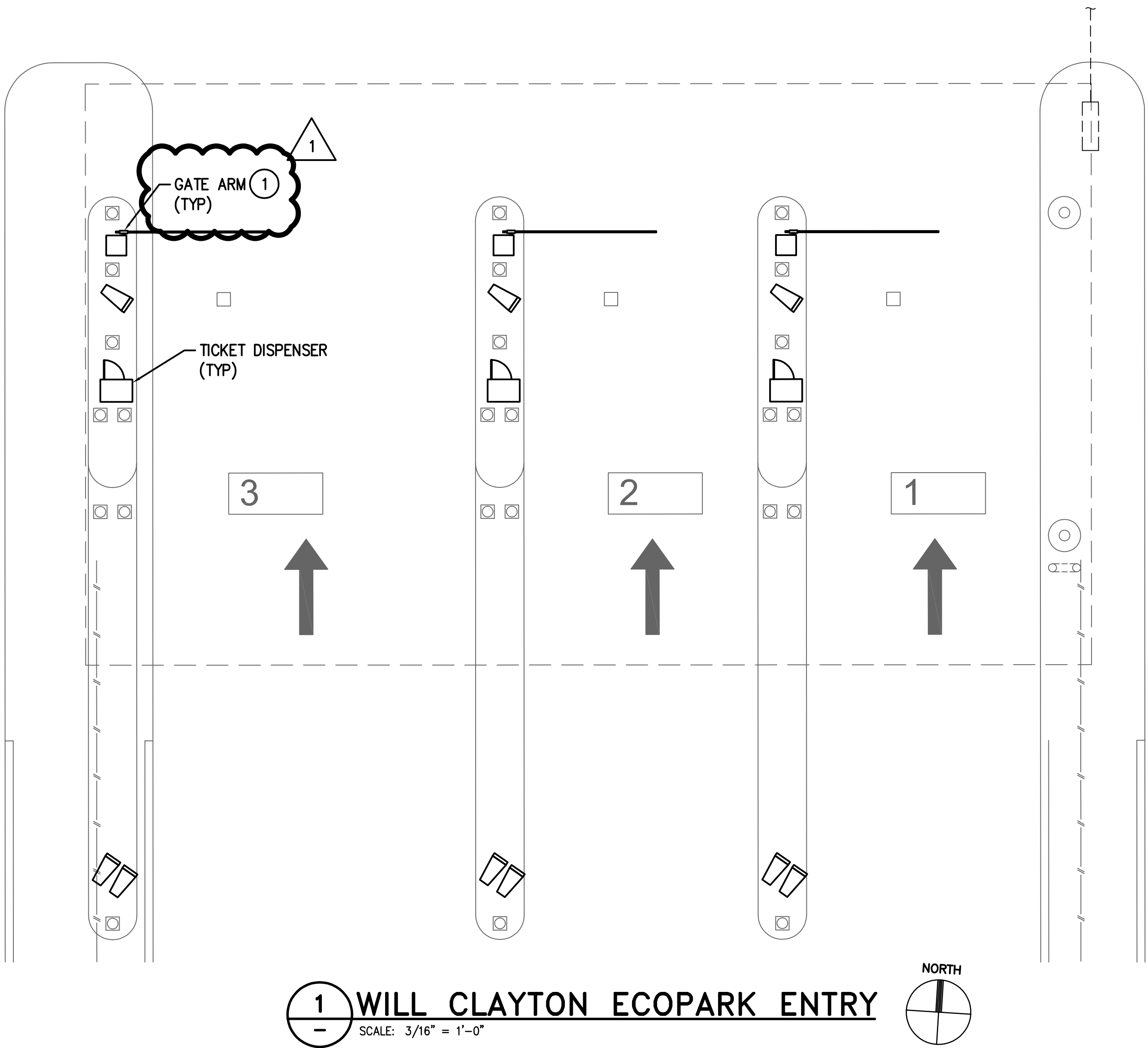
DIRECTOR  
HOUSTON AIRPORT SYSTEM

PROJECT NO.  
**067810800**  
C.I.P. NO.

H.A.S. NO.  
**PN HKE-PARCS-2020-003**  
SHEET NO.

1E7-202





**GENERAL NOTES:**

- EXISTING CONDITIONS SHOWN BASED ON AS-BUILT DATA AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY AND ALL EQUIPMENT
- REFER TO 117-300 SERIES FOR CONDUIT AND CABLE SIZES & QUANTITIES
- REFER TO 117-400 SERIES FOR SPECIFIC EQUIPMENT DETAILS AND 010-200 SERIES FOR TYPICAL DETAILS
- REFER TO CIVIL PLANS FOR EXACT EQUIPMENT LAYOUT AND LOCATION
- UTILIZE EXISTING PATHWAYS WHERE AVAILABLE. INSTALL PROPOSED CONDUIT SECTIONS AS NEEDED TO COMPLETE WORK

**KEYED NOTES:**

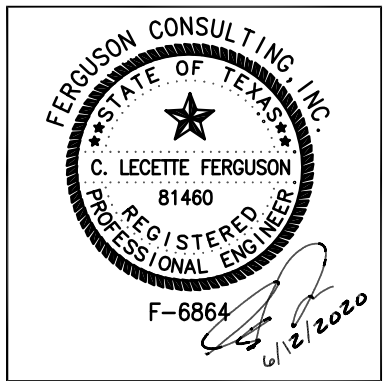
- 1 GATE ARM IS BEING REPLACED. RECONNECT TO EXISTING CONDUCTORS. MODIFY EXISTING CIRCUIT TO PROVIDE GFCI PROTECTION.



REVISIONS		
NO.	DESCRIPTION	DATE BY
1	PERMIT REVISION 1	06/12/20 FCI

PARKING ACCESS AND REVENUE  
CONTROL SYSTEMS (PARCS)  
WILL CLAYTON ENLARGED PLANS

PROJECT MGR:	LF
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CHECKED BY:	LF
SCALE:	AS SHOWN
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APPROVED BY: DATE:

DIRECTOR  
HOUSTON AIRPORT SYSTEM

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H.A.S. NO.  
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SHEET NO.

1E7-203