SAN ANTONIO AIRPORT SYSTEM

CITY OF SAN ANTONIO

SAN ANTONIO INTERNATIONAL AIRPORT

FRANK MILLER, AVIATION DIRECTOR

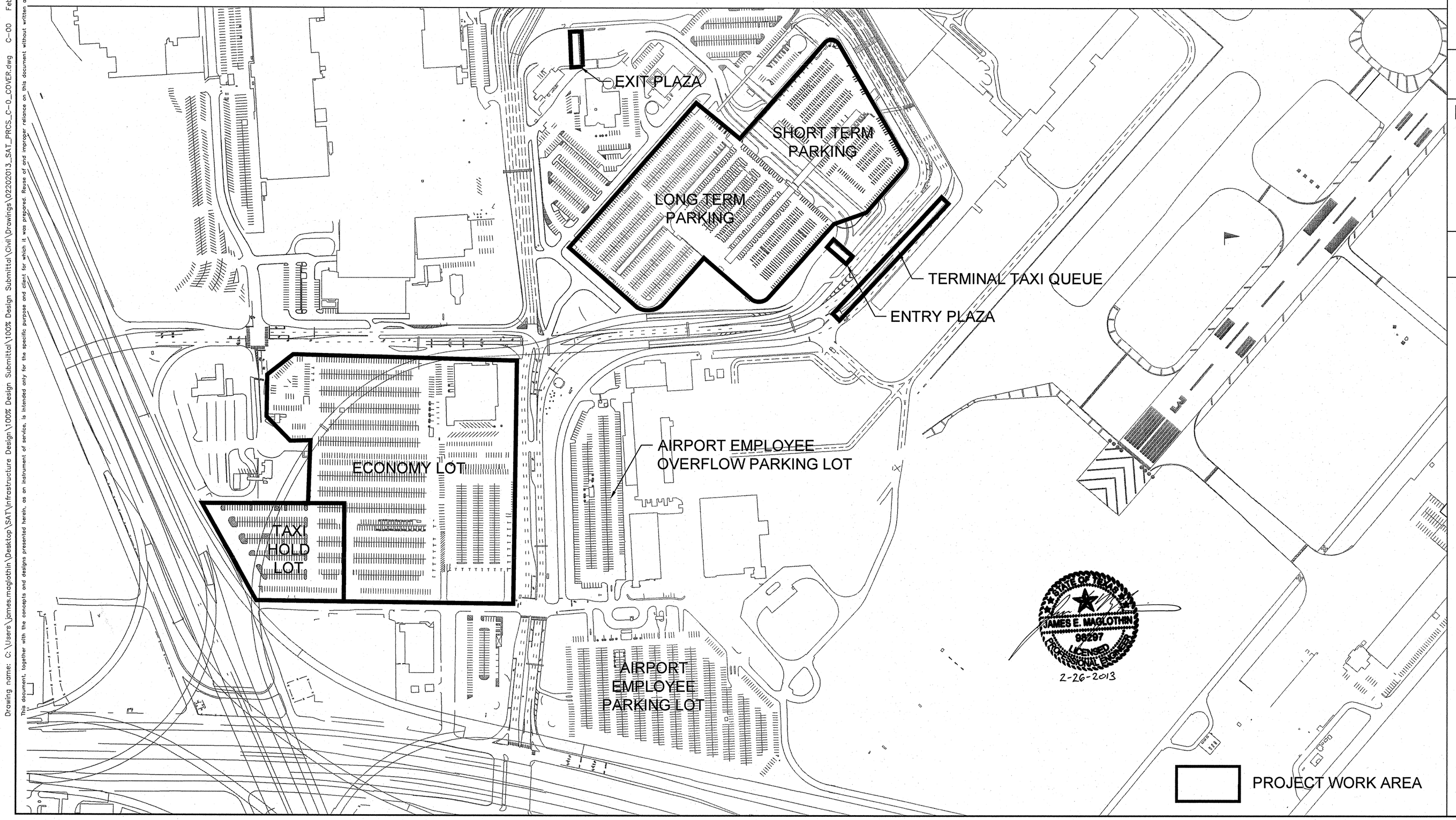
CIVIL CONSTRUCTION PLANS FOR

AIRPORT PARKING GARAGE AND SURFACE LOT IMPROVEMENTS (PRCS)

BID SET

COSA PROJECT NO. 33-00196 KHA PROJECT NO. 061258004

COSA ORD NO. 2011-06-09-0485, AMENDMENT 1



STATE OF TEXAS
JAMES E. MAGLOTHIN
98297
LICENSED
PROFESSIONAL ENGINEER
2-26-2013

OWNER & REPRESENTATIVES

OWNER:

CITY OF SAN ANTONIO
AVIATION DEPARTMENT
9800 AIRPORT BLVD.
SAN ANTONIO, TX 78216

PROJECT MANAGER:

ERIC KAALUND
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ASSISTANT AVIATION DIRECTOR:

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PARKING / GROUND TRANSPORTATION MANAGER:

GREG LAWRENCE
9800 AIRPORT BLVD.
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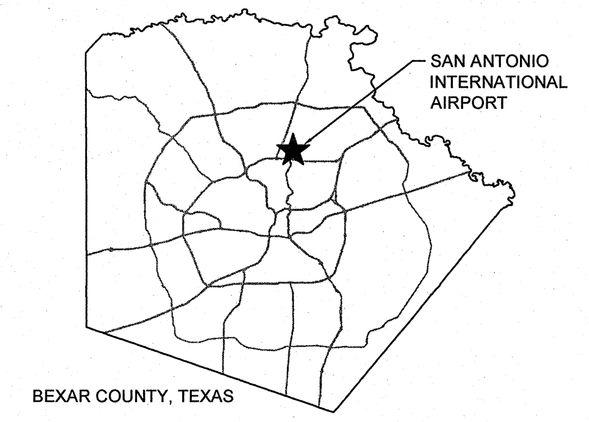
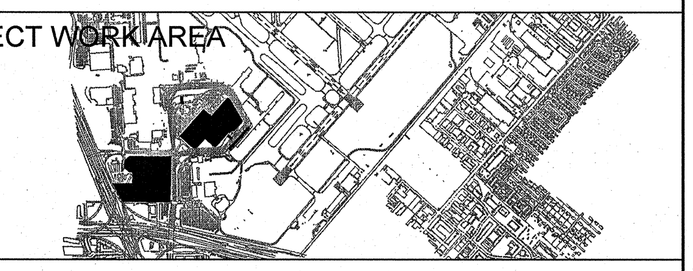
VICINITY MAP



LOCATION MAP

PROJECT WORK AREA



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SCALE VARIES
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DESIGNED BY PAC
CHECKED BY JEM

PREPARED BY
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COVER

SAN ANTONIO AIRPORT SYSTEM

PROJECT TITLE
AIRPORT PARKING GARAGE AND SURFACE LOT IMPROVEMENTS (PRCS)

PREPARED FOR: SAN ANTONIO INTERNATIONAL AIRPORT
9800 AIRPORT BLVD.
SAN ANTONIO, TX 78216

DATE
FEBRUARY 2013

PROJECT NO.
33-00196

SHEET NUMBER
C-00

Drawing name: C:\Users\james.maglothin\Desktop\SAT\Infrastructure Design\100% Design Submittal\100% Design Submittal\Civil\Drawings\02202013_SAT_PRCS_C-00_COVER.dwg C-00 Feb 26, 2013 4:08pm by: james.maglothin
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GENERAL NOTES:

1. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.

2. ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF SAN ANTONIO STANDARD SPECIFICATIONS FOR CONSTRUCTION JUNE 2008, OR LATEST.

3. EXISTING CONDITIONS SHOWN HEREON ARE ACCURATE TO THE BEST OF THE ENGINEER'S KNOWLEDGE ON THE DATE OF THIS DRAWING BASED ON INFORMATION PROVIDED BY OTHERS. ALL EXISTING CONDITIONS DEPICTED HAVE BEEN PROVIDED BY THE CITY OF SAN ANTONIO. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER AND THE AIRPORT OF ANY DISCREPANCIES.

4. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF EXISTING UTILITIES. CONTRACTOR SHALL NOTIFY THE FOLLOWING AT LEAST FORTY EIGHT (48) HOURS PRIOR TO EXCAVATION OPERATION:

SAN ANTONIO WATER SYSTEM (SAWS)	210-233-2010
BEXAR METROPOLITAN WATER DISTRICT (BEXAR MET)	210-354-6538 / 210-357-5741
COSA DRAINAGE	210-201-8048
COSA SIGNAL OPERATIONS	210-201-7720 / 210-207-7765
TEXAS STATE WIDE CALL LOCATOR	1-800-344-8377

- CITY PUBLIC SERVICE ENERGY
- TIME WARNER
- AT&T
- MCI

5. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES INDICATED ON THE PLANS ARE TAKEN FROM AVAILABLE RECORDS AND ARE NOT GUARANTEED, BUT SHALL BE INVESTIGATED AND VERIFIED BY THE CONTRACTOR BEFORE STARTING WORK. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE TO AND FOR THE MAINTENANCE AND PROTECTION OF THE EXISTING UTILITIES EVEN IF THEY ARE NOT SHOWN ON THE PLANS. LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN HERE ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND HE SHALL BE RESPONSIBLE FOR PROTECTION OF SAME DURING CONSTRUCTION.

6. ALL WASTE MATERIAL SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE HIS SOLE RESPONSIBILITY TO DISPOSE OF THIS MATERIAL OFF THE LIMITS OF THE PROJECT. NO WASTE MATERIAL SHALL BE PLACED IN EXISTING LOWS THAT WILL BLOCK OR ALTER FLOW LIMITS OF EXISTING ARTIFICIAL OR NATURAL DRAINAGE.

7. THE CONTRACTOR SHALL PLACE ANY WASTE MATERIAL IN THE 100-YEAR FLOOD PLAIN WITHOUT FIRST OBTAINING AN APPROVED FLOOD PLAIN DEVELOPMENT PERMIT.

8. THE CONTRACTOR SHALL MAINTAIN ALL ADJOINING STREETS AND TRAVELED ROUTES FREE FROM SPILLED AND / OR TRACKED CONSTRUCTION MATERIALS AND / OR DEBRIS.

9. IF SUSPECTED CONTAMINATION IS ENCOUNTERED DURING CONSTRUCTION OPERATIONS, C.O.S.A. SHALL BE NOTIFIED IMMEDIATELY WHEN CONTAMINATED SOILS AND / OR GROUNDWATER ARE ENCOUNTERED AT LOCATIONS NOT IDENTIFIED IN THE PLANS. THE NOTIFICATION SHOULD INCLUDE STATION NUMBER, TYPE OF CONTAMINATED MEDIA, EVIDENCE OF CONTAMINATION AND MEASURES TAKEN TO CONTAIN THE CONTAMINATED MEDIA AND PREVENT PUBLIC ACCESS. THE CONTAMINATED SOIL AND / OR GROUNDWATER SHALL NOT BE REMOVED FROM THE LOCATION WITHOUT PRIOR C.O.S.A. APPROVAL. THE CONTRACTOR MUST STOP THE EXCAVATION IMMEDIATELY AND CONTACT THE C.O.S.A. INSPECTOR. THE CONTRACTOR CANNOT BEGIN EXCAVATION ACTIVITIES WITHOUT WRITTEN PERMISSION FROM THE CITY.

10. THE HOURLY PARKING GARAGE IS AN AGING POST TENSION PRE-STRESSED CONCRETE STRUCTURE THAT HAS HAD NUMEROUS STRUCTURAL ISSUES OVER ITS LIFE. THE LONG TERM GARAGE AND LONG TERM GARAGE ANNEX ARE ALSO POST TENSION PRE-STRESSED CONCRETE STRUCTURES. CONTRACTOR SHALL USE EXTREME CAUTION AND APPROPRIATE SURVEY METHODS TO AVOID CAUSING DAMAGE TO THE EXISTING STRUCTURES. IN ALL LOCATIONS WHERE A STRUCTURAL MEMBER OR SLAB IS TO BE PENETRATED, PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL UTILIZE X-RAY, GROUND PENETRATING RADAR, OR SIMILAR APPROVED SURVEY METHOD TO IDENTIFY AND LOCATE PRE-STRESSING TENDONS AND REINFORCING BARS BENEATH THE CONCRETE SURFACE. SURVEY METHOD SUBJECT TO OWNER APPROVAL. WHERE CONFLICTS ARE IDENTIFIED, CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY AND PROPOSE AN ALTERNATE INSTALLATION SOLUTION THAT DOES NOT THREATEN THE STRUCTURAL INTEGRITY OF THE GARAGES. ANY DAMAGE TO THE STRUCTURE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR IMMEDIATELY WITHOUT DELAY.

11. CONTRACTOR IS RESPONSIBLE FOR REPAIRING DAMAGE DONE TO ANY EXISTING ITEM DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, ADJACENT PAVEMENT, STRIPING, STRUCTURAL MEMBERS, STRUCTURAL SLABS, CURBS, ETC. REPAIRS SHALL BE EQUAL TO, OR BETTER THAN, EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE TO DOCUMENT ALL EXISTING DAMAGE AND NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION START.

12. THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES FOR SAFETY PRECAUTIONS OR PROGRAMS. THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

13. NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL CREATE, NOR SHALL BE CONSTRUED TO CREATE, ANY CONTRACTUAL RELATIONSHIP BETWEEN THE DESIGN ENGINEER AND THE CONTRACTOR OR ANY SUBCONTRACTOR.

14. EQUIPMENT, STATIC SIGNS, BOLLARDS, ETC. WHICH ARE NOT SPECIFICALLY INDICATED TO BE REMOVED (OR WHICH ARE SHOWN TO REMAIN) SHALL REMAIN IN-PLACE, PROTECTED AND FUNCTIONAL.

15. FIRE ALARM, TELEPHONE, CCTV AND SECURITY SYSTEMS SHALL BE MAINTAINED UNLESS SPECIFICALLY NOTED OTHERWISE.

16. PROVIDE SECURE STORAGE FOR ALL EQUIPMENT WHICH IS TO BE SALVAGED FOR REINSTALLATION.

17. CONTRACTOR SHALL VERIFY EQUIPMENT & CABLE DESIGNATIONS & STATUS PRIOR TO REMOVAL OR DISCONNECTING.

18. FOR ALL NEW CONDUIT, CONTRACTOR SHALL SELECT THE BEST ROUTING WHILE MAINTAINING THE FOLLOWING:

    A. CONDUIT/WIREWAY RUNS SHALL NOT BE ALLOWED ON THE EXTERIOR FACADE OF ANY STRUCTURE EXCEPT AS APPROVED BY OWNER.

    B. CONCEAL SURFACE MOUNTED CONDUITS FROM VIEW TO THE GREATEST EXTENT POSSIBLE.

    C. KEEP HORIZONTAL CONDUIT/WIREWAY RUNS ABOVE THE POSTED PARKING STRUCTURE VEHICLE MAXIMUM HEIGHTS. IF CONDUIT CROSSING UNDER BEAMS MUST BE MOUNTED BELOW THESE HEIGHTS THEN ROUTE CONDUIT AS HIGH AS POSSIBLE AND WHERE VEHICLES CAN'T COME IN CONTACT WITH THE CONDUIT (EXAMPLE - TIGHT TO A COLUMN).

19 UNUSED POWER CONDUCTORS SHALL BE ABANDONED UNLESS OTHERWISE NOTED. TAG THE CONDUCTORS AS ABANDONED, CLIP EXPOSED LEADS AT END OF INSULATION AND WIRE NUT BOTH ENDS OF THE CONDUCTORS.

20. ALL CONDUIT/WIREWAYS SHALL BE RUN PARALLEL AND PERPENDICULAR TO THE PARKING STRUCTURE EXTERIOR.

21. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDUITS IN THE CONCRETE ISLANDS AND EXTEND EXISTING CONDUITS AS NECESSARY TO REACH THE NEW PRCS EQUIPMENT.

22. DIMENSIONS TO EQUIPMENT COMPONENTS REPRESENT THE LOCATION WHERE CONDUITS SHALL BE STUBBED UP. ALL CONDUITS SHALL BE STUBBED UP 4" ABOVE THE SURFACE OF THE CONCRETE ISLAND. ALL STUBBED UP CONDUIT SHALL BE CAPPED AND INSTALLED WITH LABELED PULL STRINGS. CONDUIT STUB-UP LOCATIONS SHALL BE COORDINATED WITH AND VERIFIED BY THE PRCS CONTRACTOR PRIOR TO CONDUIT PLACEMENT. DIMENSIONS ARE TYPICAL IN EACH DRAWING UNLESS OTHERWISE NOTED OR SHOWN.

23. WHERE MULTIPLE CONDUITS STUB UP AT THE SAME LOCATION ON A CONCRETE ISLAND, CONDUITS SHALL BE BUNDLED AS TIGHTLY AS POSSIBLE IN ORDER TO AVOID INTERFERENCE WITH PRCS EQUIPMENT MOUNTING.

24. PRECISE PLACEMENT OF CONDUIT STUB-UPS ACCORDING TO THE DIMENSIONS SHOWN ON THE DRAWINGS IS IMPERATIVE IN ORDER TO ENSURE PROPER FUNCTIONALITY OF THE PRCS EQUIPMENT. CONTRACTOR SHALL NOTIFY ENGINEER OF CONDUIT PLACEMENT WITHIN CONCRETE ISLAND FORMS PRIOR TO POURING CONCRETE. NO CONCRETE ISLAND SHALL BE POURED PRIOR TO CONDUIT INSPECTION BY THE ENGINEER.

25. NEW CONDUITS INSTALLED IN NEW CONCRETE ISLANDS SHALL BE EMBEDDED WITH A MINIMUM OF 3-INCHES OF COVER.

26. EXISTING CONCRETE ISLANDS SHALL BE SAWCUT TO INSTALL NEW CONDUIT AND THEN PATCHED TO MATCH EXISTING. NEW CONDUIT TO HAVE A MINIMUM OF 1½-INCHES OF COVER.

27. CONTRACTOR SHALL MAINTAIN ALL WORK AREAS IN A CLEAN, DEBRIS FREE CONDITION. ALL AREAS SHALL BE CLEANED PRIOR TO END OF EACH WORK SHIFT.

28. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEE THAT ALL SIGNS AND BARRICADES ARE PROPERLY INSTALLED AND MAINTAINED. ALL LOCATIONS AND DISTANCES WILL BE DECIDED UPON IN THE FIELD BY THE CONTRACTOR, USING THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". THE CITY'S CONSTRUCTION INSPECTOR AND TRAFFIC ENGINEERING REPRESENTATIVE WILL ONLY BE RESPONSIBLE TO INSPECT BARRICADES AND SIGNS. IF, IN THE OPINION OF THE TRAFFIC ENGINEERING REPRESENTATIVE AND THE CONSTRUCTION INSPECTOR, THE BARRICADES AND SIGNS DO NOT CONFORM TO ESTABLISHED STANDARDS OR ARE INCORRECTLY PLACED OR ARE INSUFFICIENT IN QUANTITY TO PROTECT THE GENERAL PUBLIC, THE CONSTRUCTION INSPECTOR SHALL HAVE THE OPTION TO STOP OPERATIONS UNTIL SUCH TIME AS THE CONDITIONS ARE CORRECTED.

29. IF THE NEED ARISES, ADDITIONAL BARRICADES AND DIRECTIONAL DEVICES MAY BE ORDERED BY THE TRAFFIC ENGINEERING REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE.

30. CONTRACTOR SHALL COORDINATE AND OBTAIN ALL NECESSARY PERMITS FROM THE CITY OF SAN ANTONIO DEVELOPMENT SERVICES DEPARTMENT.

31. NO EXTRA PAYMENT SHALL BE ALLOWED FOR WORK CALLED FOR ON THE PLANS BUT NOT INCLUDED IN THE BID PROPOSAL. THIS INCIDENTAL WORK WILL BE REQUIRED AND SHALL BE INCLUDED IN THE PAY ITEM TO WHICH IT RELATES.

32. CONTRACTOR SHALL PROVIDE ACCESS FOR THE DELIVERY OF MAIL BY THE U.S. POSTAL SERVICE.

33. DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.171 C.P.S. MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.

34. CONTRACTOR SHALL NOTIFY THE CITY INSPECTOR TWENTY FOUR (24) HOURS PRIOR TO BACKFILL OF ANY UTILITY TRENCHES TO SCHEDULE FOR DENSITY TEST AS REQUIRED.

35. CONTRACTOR SHALL PRESERVE ALL CONSTRUCTION STAKES, MARKS, ETC. IF ANY ARE DESTROYED OR REMOVED BY THE CONTRACTOR OR HIS EMPLOYEES, THEY SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

36. REMOVAL OF EXISTING BOLLARDS:
    - REMOVE EXISTING BOLLARDS AT THE LOCATIONS CALLED FOR ON THE PLANS.
    - SURFACE MOUNTED BOLLARDS (ANCHOR BOLTS): REMOVE EXISTING BOLLARD AND CUT PROTRUDING ANCHOR BOLTS FLUSH WITH ADJACENT SURFACE.
    - SURFACE MOUNTED BOLLARDS (EPOXIED): REMOVE EXISTING BOLLARD AND CLEAN ANY REMAINING ADHESIVE MATERIAL FROM THE PARKING DECK SURFACE.
    - EMBEDDED BOLLARDS: REMOVE EXISTING BOLLARD AND FILL THE REMAINING HOLE WITH CAST-IN-PLACE CONCRETE OR OTHER STRUCTURAL CONCRETE PATCH/FILLING MATERIAL APPROVED BY THE OWNER.

37. REMOVAL OF EXISTING CAMERAS AND CAMERA PEDESTALS:
    - REMOVE EXISTING CAMERAS AND CAMERA PEDESTALS AT THE LOCATIONS CALLED FOR ON THE PLANS.
    - REMOVE EXISTING BOLLARD AND CUT PROTRUDING ANCHOR BOLTS FLUSH WITH ADJACENT SURFACE.

38. CONTRACTOR SHALL COORDINATE SCHEDULES WITH THE PARKING REVENUE CONTROL SYSTEM CONTRACTOR, CTR SYSTEMS, INC. AND THE FIBER OPTIC AND ELECTRICAL CONTRACTOR, PRESIDIO, L.L.C.. CONTRACTOR SHALL OPERATE MULTIPLE WORK CREWS AS NECESSARY TO AVOID CAUSING ANY DELAYS THE SCHEDULED WORK OF CTR AND PRESIDIO.

STATE OF TEXAS
JAMES E. MAGLOTHIN
98287
LICENSED
PROFESSIONAL ENGINEER
2-26-2013

BID SET

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SCALE NO SCALE | DRAWN BY SCB | DESIGNED BY PAC | CHECKED BY JEM

PREPARED BY
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GENERAL NOTES

SAN ANTONIO AIRPORT SYSTEM

PROJECT TITLE
AIRPORT PARKING GARAGE AND SURFACE LOT IMPROVEMENTS (PRCS)

PREPARED FOR: SAN ANTONIO INTERNATIONAL AIRPORT
9800 AIRPORT BLVD.
SAN ANTONIO, TX 78216

DATE
FEBRUARY 2013

PROJECT NO.
33-00196

SHEET NUMBER
C-01

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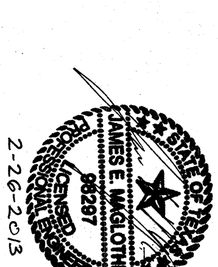

LEGEND

C-XX — AREA TO BE IMPROVED - REFERENCE SHEETS AS NOTED

GRAPHIC SCALE 125' (0, 125', 250')

N

PROJECT TITLE

AIRPORT PARKING GARAGE AND SURFACE LOT IMPROVEMENTS (PRCS)

PREPARED FOR: SAN ANTONIO INTERNATIONAL AIRPORT
9800 AIRPORT BLVD.
SAN ANTONIO, TX 78216

SAN ANTONIO AIRPORT SYSTEM

OVERALL SITE PLAN

PREPARED BY
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SCALE 1"=125'
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CHECKED BY JEM

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DATE FEBRUARY 2013
PROJECT NO. 33-00196
SHEET NUMBER C-02

Drawing name: C:\Users\james.maglothin\Desktop\SAT\Infrastructure Design\100% Design Submittal\100% Design Submittal\Civil\Drawings\02202013_SAT_PRCS_C-3_EXIT_PLAZA_DEMO_PLAN.dwg C-03 Feb 26, 2013 4:11pm by: james.maglothin

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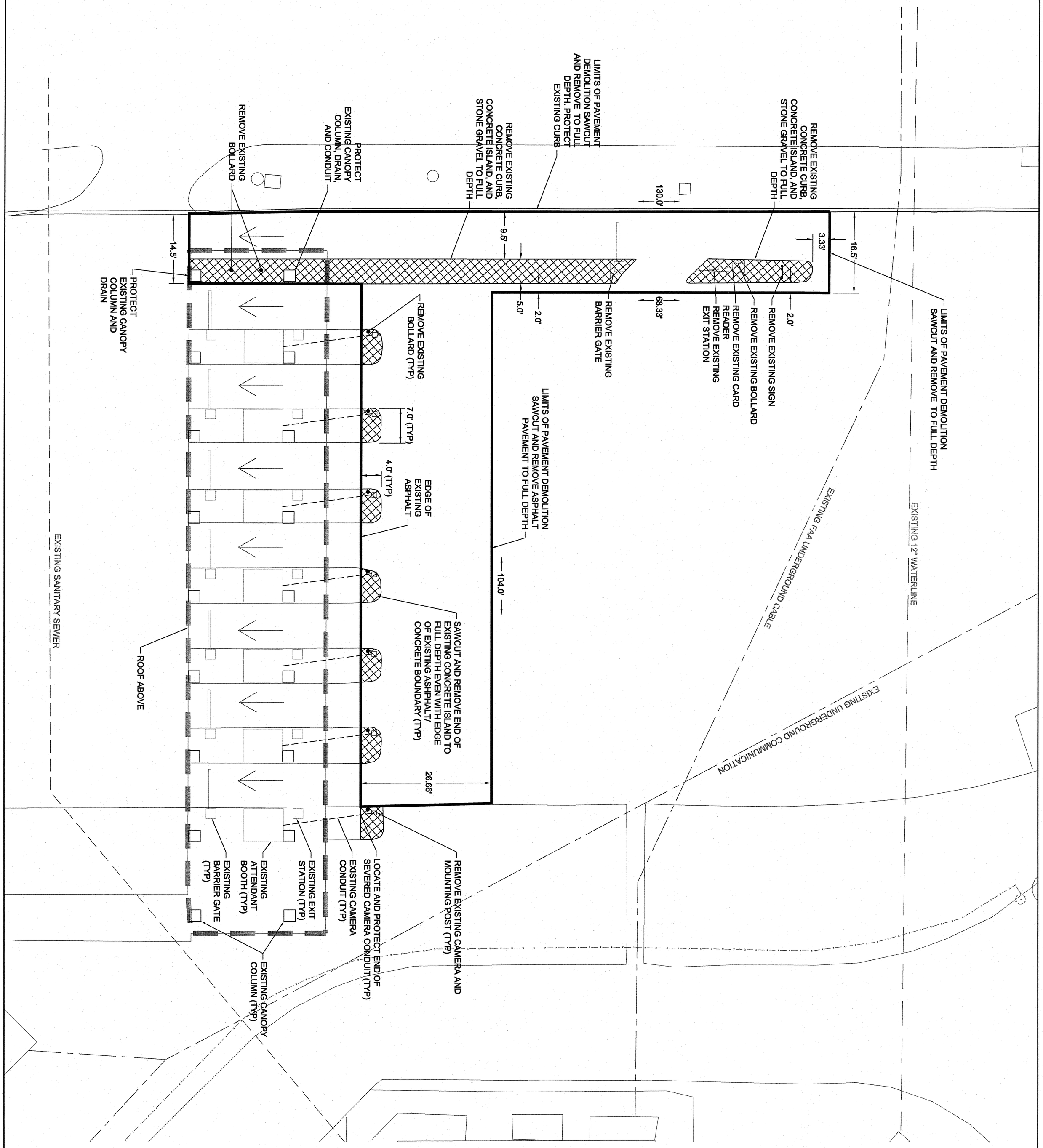

NOTES

1. CONTRACTOR SHALL PROVIDE TRAFFIC MAINTENANCE PLAN IN ACCORDANCE WITH CITY OF SAN ANTONIO STANDARDS. PRIOR TO COMMENCING WORK, FOR SAN ANTONIO AIRPORT SYSTEM APPROVAL. CONTRACTOR SHALL PHASE WORK TO MAINTAIN TRAFFIC THROUGH AT LEAST SIX LANES AT ALL TIMES.

LEGEND

TRAFFIC FLOW DIRECTION

GRAPHIC SCALE 10' (0, 10', 20')

N

BID SET

JAMES E. MAGLOTHIN 96297 LICENSED PROFESSIONAL ENGINEER STATE OF TEXAS
2-26-2013

PROJECT TITLE

AIRPORT PARKING GARAGE AND SURFACE LOT IMPROVEMENTS (PRCS)

PREPARED FOR: SAN ANTONIO INTERNATIONAL AIRPORT
9800 AIRPORT BLVD.
SAN ANTONIO, TX 78216

SAN ANTONIO AIRPORT SYSTEM

EXIT PLAZA DEMOLITION PLAN

PREPARED BY
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SCALE 1"=10'
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DESIGNED BY PAC
CHECKED BY JEM

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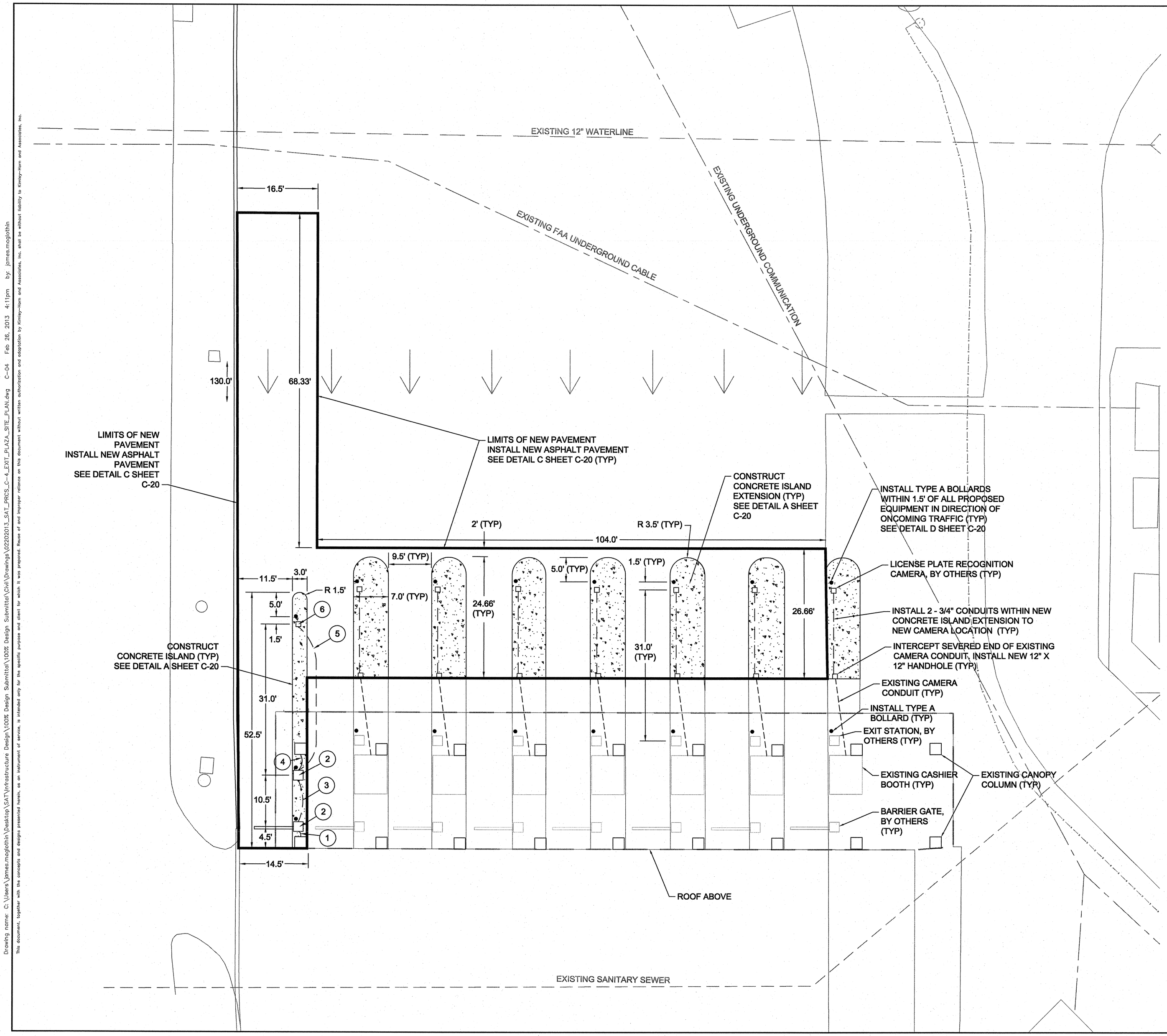
DATE FEBRUARY 2013
PROJECT NO. 33-00196
SHEET NUMBER C-03



0 10' 20'
GRAPHIC SCALE 10'

LEGEND

TRAFFIC FLOW DIRECTION

GENERAL NOTES

1. CONTRACTOR SHALL PROVIDE TRAFFIC MAINTENANCE PLAN IN ACCORDANCE WITH CITY OF SAN ANTONIO STANDARDS, PRIOR TO COMMENCING WORK, FOR SAN ANTONIO AIRPORT SYSTEM APPROVAL. CONTRACTOR SHALL PHASE WORK TO MAINTAIN TRAFFIC THROUGH AT LEAST SIX LANES AT ALL TIMES.
2. PRCS EQUIPMENT DIMENSIONS ARE TO THE CENTERLINE OF THE EQUIPMENT COMPONENTS.
3. COORDINATE EXACT CONDUIT STUB UP LOCATION WITH PRCS CONTRACTOR PRIOR TO POURING CONCRETE.

SHEET NOTES

1. ROUTE 1" CONDUIT WITH PULL STRING FOR ELECTRICAL SERVICE FROM BARRIER GATE, THROUGH THE CONCRETE ISLAND, STUB UP AT THE BASE OF THE WESTERNMOST CANOPY COLUMN.
2. STUB UP DESIGNATED CONDUITS AT NEW EQUIPMENT LOCATION DIMENSIONED ON THIS SHEET, OFFSET 14" BACK FROM NORTHERN EDGE OF CONCRETE ISLAND SUCH THAT CONDUITS WILL STUB UP INTO THE BASE OF THE EQUIPMENT. ALL EQUIPMENT BY PRCS CONTRACTOR. INSTALL $\frac{3}{4}$" CONDUIT FROM STUB UP LOCATION TO THE BASE OF THE NORTHERN ISLAND CURB FACE FOR ROUTING LOOP LEADS. CUT $\frac{3}{4}$" CONDUIT FLUSH WITH CURB FACE. LOOP LEADS BY PRCS CONTRACTOR.
3. INSTALL FOUR $\frac{3}{4}$" SCH40 PVC CONDUITS WITH LABELED PULL STRINGS THROUGH CONCRETE ISLAND BETWEEN NEW BARRIER GATE LOCATION AND NEW EXIT STATION LOCATION.
4. INSTALL ONE 1-1/4" SCH40 PVC CONDUIT WITH LABELED PULL STRING FROM THE NEW EXIT STATION LOCATION, THROUGH CONCRETE ISLAND, STUB UP AT BASE OF THE EASTERNMOST CANOPY COLUMN.
5. INSTALL TWO $\frac{3}{4}$" SCH40 PVC CONDUITS WITH LABELED PULL STRINGS FROM THE NEW EXIT STATION LOCATION, THROUGH CONCRETE ISLAND, TO THE NEW LICENSE PLATE RECOGNITION CAMERA LOCATION. CAMERA BY PRCS CONTRACTOR.
6. STUB UP DESIGNATED CONDUITS AT NEW LPR CAMERA LOCATION DIMENSIONED ON THIS SHEET, OFFSET 10" BACK FROM NORTHERN EDGE OF CONCRETE ISLAND SUCH THAT CONDUITS WILL STUB UP INTO THE BASE OF THE LPR CAMERA PEDESTAL. CAMERA AND PEDESTAL BY PRCS CONTRACTOR.

STATE OF TEXAS
JAMES E. MAGLOTHIN
98297
LICENSED PROFESSIONAL ENGINEER
2-26-2013

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SCALE 1"=10' | DRAWN BY SCB | DESIGNED BY PAC | CHECKED BY JEM

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EXIT PLAZA SITE PLAN

SAN ANTONIO AIRPORT SYSTEM

PROJECT TITLE
AIRPORT PARKING GARAGE AND SURFACE LOT IMPROVEMENTS (PRCS)

PREPARED FOR: SAN ANTONIO INTERNATIONAL AIRPORT
9800 AIRPORT BLVD.
SAN ANTONIO, TX 78216

DATE
FEBRUARY 2013

PROJECT NO.
33-00196

SHEET NUMBER
C-04

Drawing name: C:\Users\James.maglothin\Desktop\SAT\Infrastructure Design\100% Design Submittal\100% Design Submittal\Civil\Drawings\02202013_SAT_PRCS_C-4_EXIT_PLAZA_SITE_PLAN.dwg C-04 Feb 26, 2013 4:11pm by: james.maglothin
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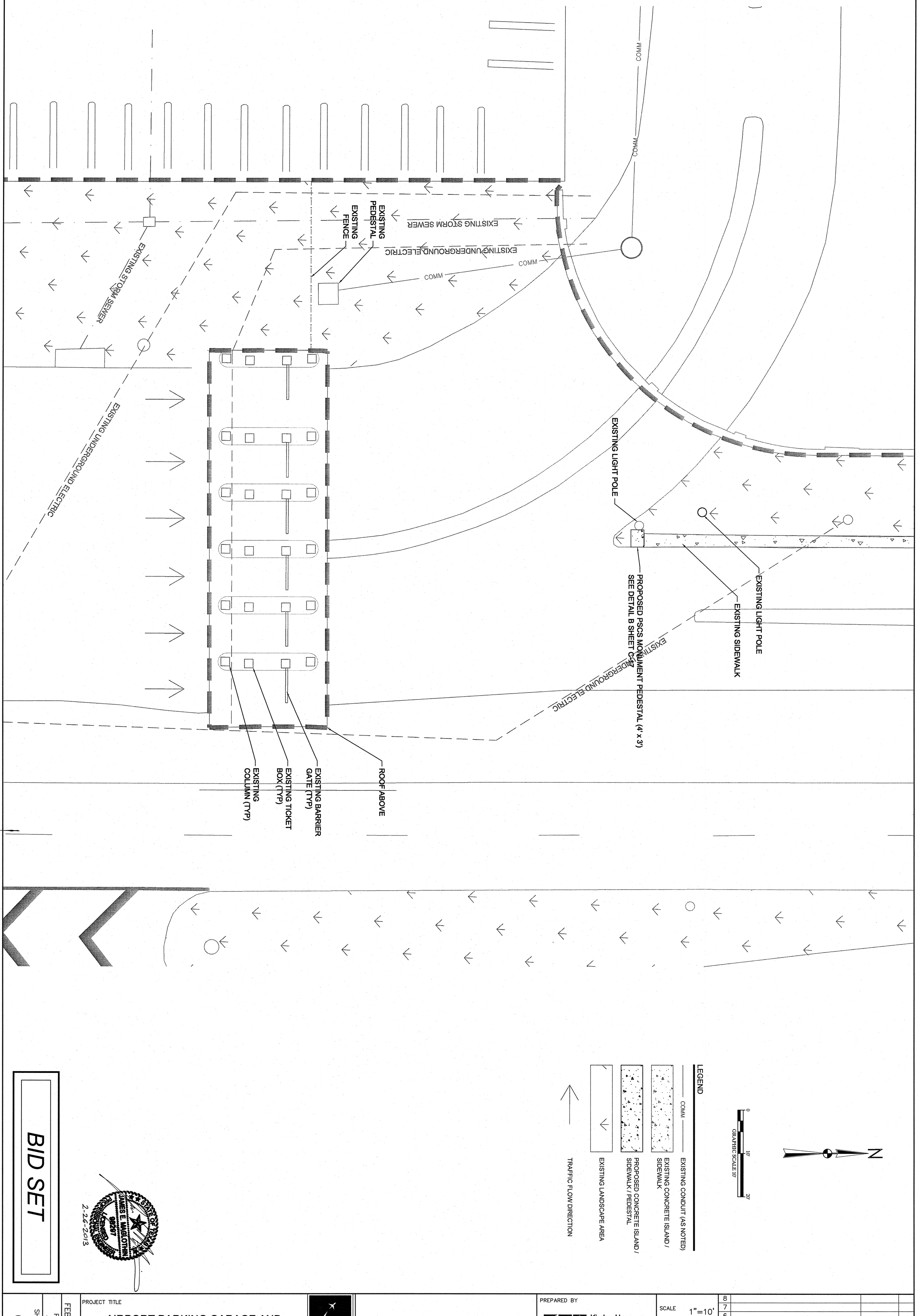

BID SET

STATE OF TEXAS
JAMES E. MAGLOTHIN
92267
LICENSED PROFESSIONAL ENGINEER
2-26-2013

PROJECT TITLE

AIRPORT PARKING GARAGE AND SURFACE LOT IMPROVEMENTS (PRCS)

PREPARED FOR: SAN ANTONIO INTERNATIONAL AIRPORT
9800 AIRPORT BLVD.
SAN ANTONIO, TX 78216

SAN ANTONIO AIRPORT SYSTEM

ENTRY PLAZA SITE PLAN

PREPARED BY
Kimley-Horn and Associates, Inc.
601 NW Loop 410, Suite 350
San Antonio, Texas 78216-5595
Tel: (210) 541-9166
Fax: (210) 541-8699

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DATE FEBRUARY 2013
PROJECT NO. 33-00196
SHEET NUMBER C-05

SCALE 1"=10'
DRAWN BY SCB
DESIGNED BY PAC
CHECKED BY JEM

No.	REVISIONS	DATE	BY
8			
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EXISTING BOLLARDS

AIRPORT EMPLOYEE RESERVED LOT

EXISTING ENTRY/EXIT TO REMAIN

CONSTRUCT RAISED CONCRETE ISLANDS SEE DETAIL B SHEET C-08

RAMP - LEVEL 1

NOMINAL COUNT ZONE LOCATION

NOMINAL COUNT ZONE LOCATION

EXIT RAMP LEVEL 0

EXISTING RAMP BETWEEN LEVEL 0 AND LEVEL 1

INSTALL TRAFFIC SEPARATOR CURB WITH FLEXIBLE DELINEATOR POSTS, SEE DETAIL E SHEET C-08

EXISTING TRAFFIC BUTTONS TO REMAIN (TYP)

ELECTRICAL ROOM / IDF

CONSTRUCT ENTRY LANE SEE DETAIL D SHEET C-08

PROPOSED TYPE B BOLLARDS (2) SPACED @ 4' SEE DETAIL E SHEET C-20

PROPOSED PUBLIC RESERVED LOT

CONSTRUCT EXIT LANE SEE DETAIL D SHEET C-08

CONSTRUCT RAISED CONCRETE ISLANDS SEE DETAIL A SHEET C-08

NOMINAL COUNT ZONE LOCATION

PROPOSED TYPE B BOLLARDS (4) SPACED @ 4' (TYP) SEE DETAIL E SHEET C-20

PROPOSED TYPE B BOLLARDS (14) SPACED @ 4' SEE DETAIL E SHEET C-20

NOMINAL COUNT ZONE LOCATION

60' (TYP)

ENTRY RAMP LEVEL 0

ENTRY RAMP LEVEL 1

INSTALL TRAFFIC SEPARATOR CURB WITH FLEXIBLE DELINEATOR POSTS, SEE DETAIL E SHEET C-08

EXISTING RAMP BETWEEN LEVEL 0 AND LEVEL 1

N

0 30' 60'
GRAPHIC SCALE 30'

LEGEND

COMM — EXISTING CONDUIT (AS NOTED)

TRAFFIC FLOW DIRECTION

No.	REVISIONS	DATE	BY
1			
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SCALE 1"=30'
DRAWN BY SCB
DESIGNED BY PAC
CHECKED BY JEM

PREPARED BY

Kimley-Horn and Associates, Inc.
601 NW Loop 410, Suite 350
San Antonio, Texas 78216-5585
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Fax: (210) 541-8699

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SHORT TERM GARAGE LEVEL 0

SAN ANTONIO AIRPORT SYSTEM

PROJECT TITLE
AIRPORT PARKING GARAGE AND SURFACE LOT IMPROVEMENTS (PRCS)

PREPARED FOR: SAN ANTONIO INTERNATIONAL AIRPORT
9800 AIRPORT BLVD.
SAN ANTONIO, TX 78216

STATE OF TEXAS
JAMES E. MAGLOTHIN
98297
LICENSED
PROFESSIONAL ENGINEER
2-26-2013

DATE
FEBRUARY 2013

PROJECT NO.
33-00196

SHEET NUMBER
C-06

BID SET

Drawing name: C:\Users\james.maglothin\Desktop\SAT\Infrastructure Design\100% Design Submittal\100% Design Submittal\Civil\Drawings\02202013_SAT_PRCS_C-6_HOURLY_GARAGE_LEVEL_0.dwg C-06 Feb 26, 2013 4:23pm by: james.maglothin
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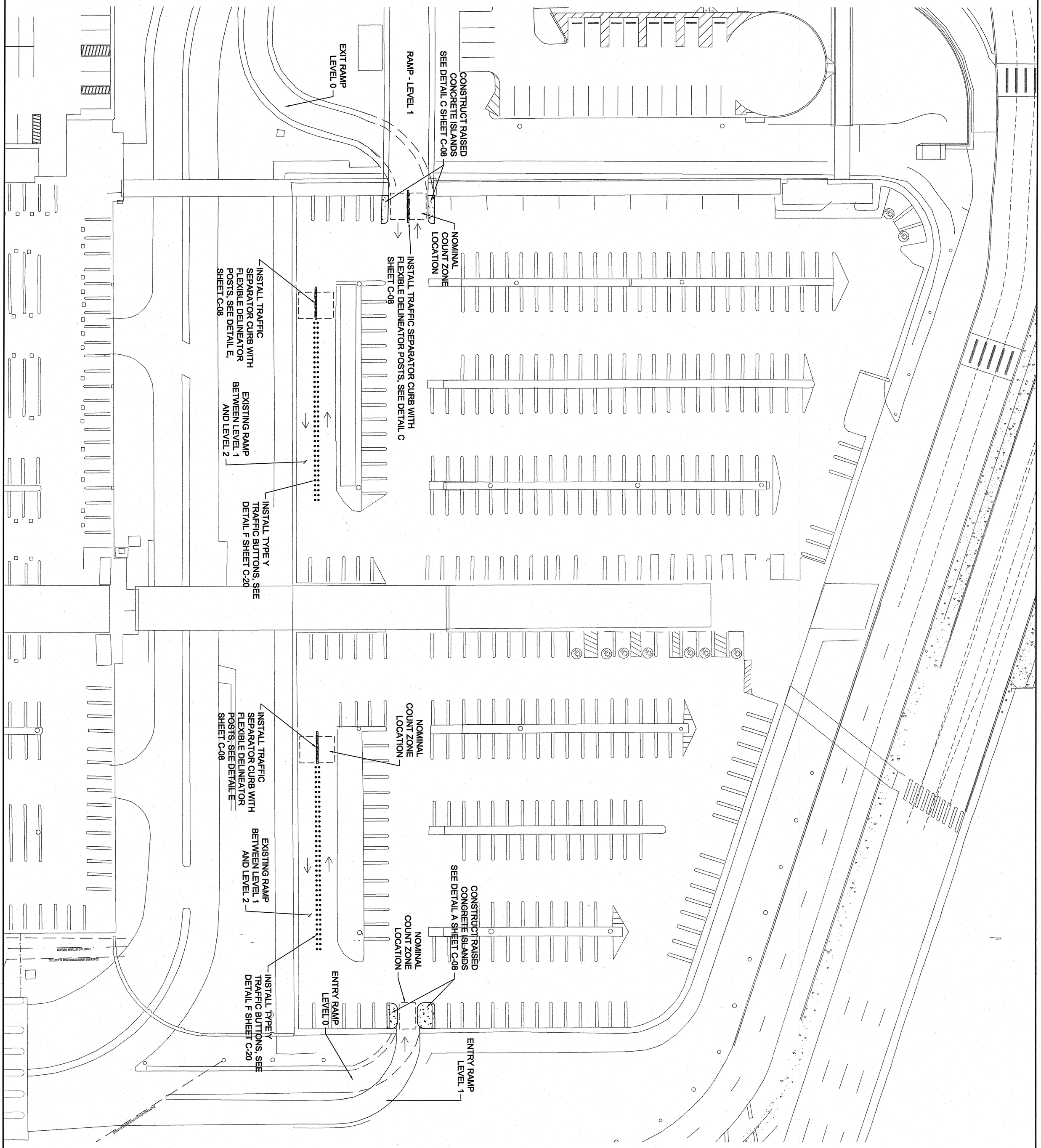

NOTES

1. NO ADDITIONAL WORK ON SHORT TERM GARAGE LEVEL 2.

LEGEND

COMM ——— EXISTING CONDUIT (AS NOTED)

→ TRAFFIC FLOW DIRECTION

GRAPHIC SCALE 30' (0, 30', 60')

N

BID SET

STATE OF TEXAS — JAMES E. MAGLOTHIN — 99297 — LICENSED PROFESSIONAL ENGINEER — 2-26-2013

PROJECT TITLE	AIRPORT PARKING GARAGE AND SURFACE LOT IMPROVEMENTS (PRCS)
	PREPARED FOR: SAN ANTONIO INTERNATIONAL AIRPORT 9800 AIRPORT BLVD. SAN ANTONIO, TX 78216
	SAN ANTONIO AIRPORT SYSTEM
	SHORT TERM GARAGE LEVEL 1
PREPARED BY	Kimley-Horn and Associates, Inc. 601 NW Loop 410, Suite 350 San Antonio, Texas 78216-5595 Tel: (210) 541-9166 Fax: (210) 541-8699
	© 2012 KIMLEY-HORN AND ASSOCIATES, INC.
SCALE	1"=30'
DRAWN BY	SCB
DESIGNED BY	PAC
CHECKED BY	JEM
DATE	FEBRUARY 2013
PROJECT NO.	33-00196
SHEET NUMBER	C-07

No.	REVISIONS	DATE	BY
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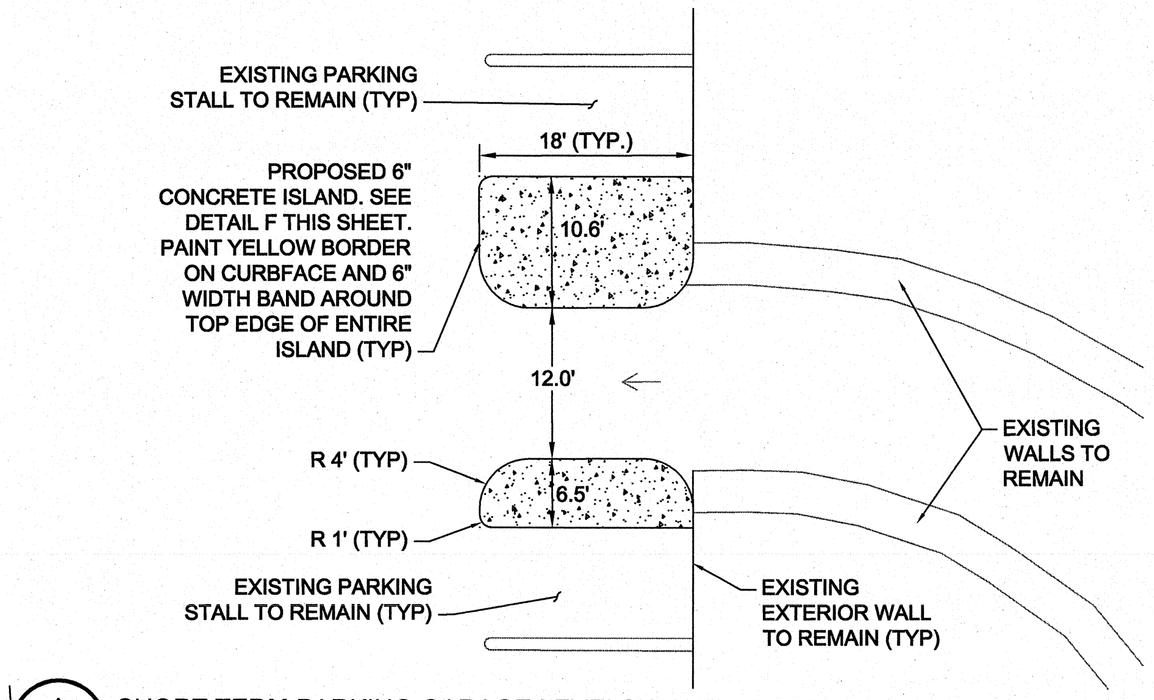
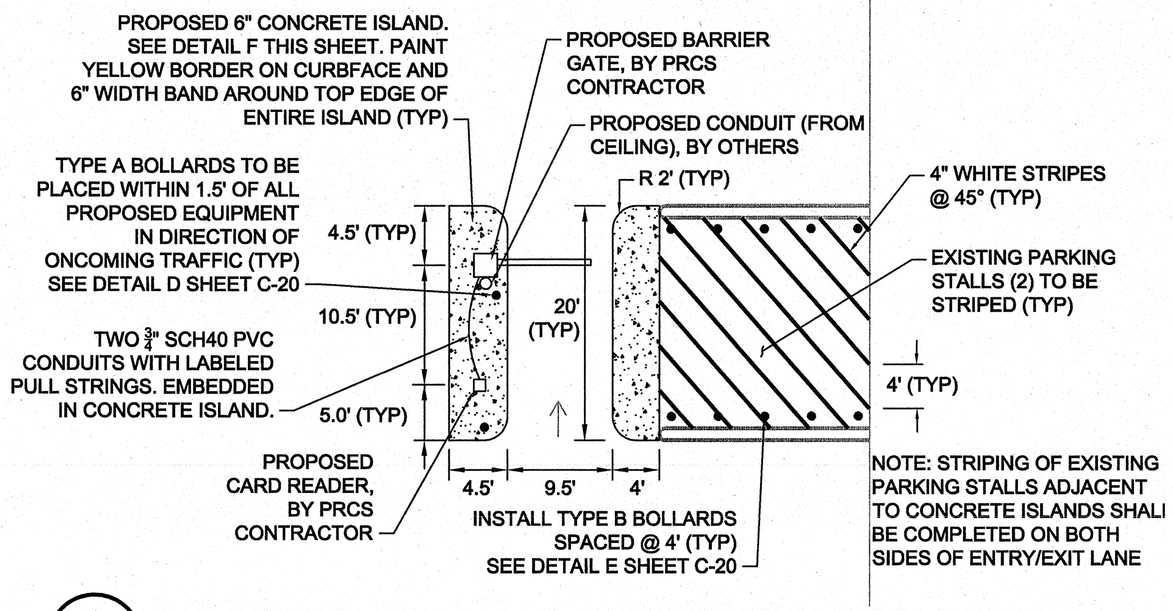


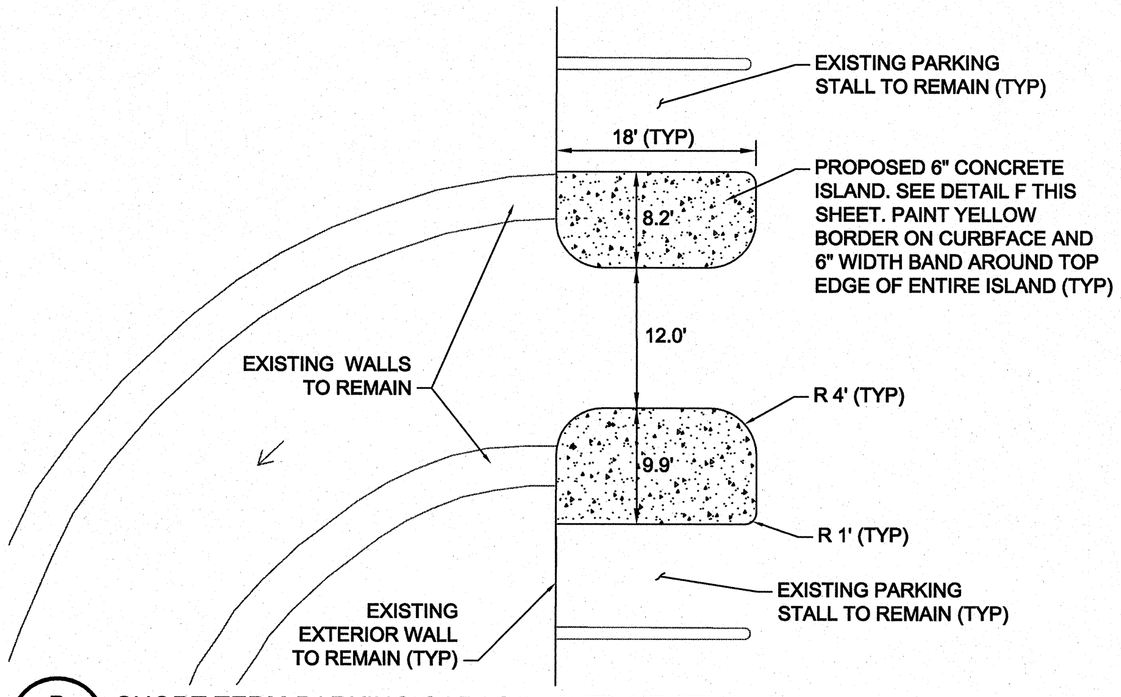
A C-08 SHORT TERM PARKING GARAGE LEVELS 0 AND 1 ENTRY LANE
1" = 10'



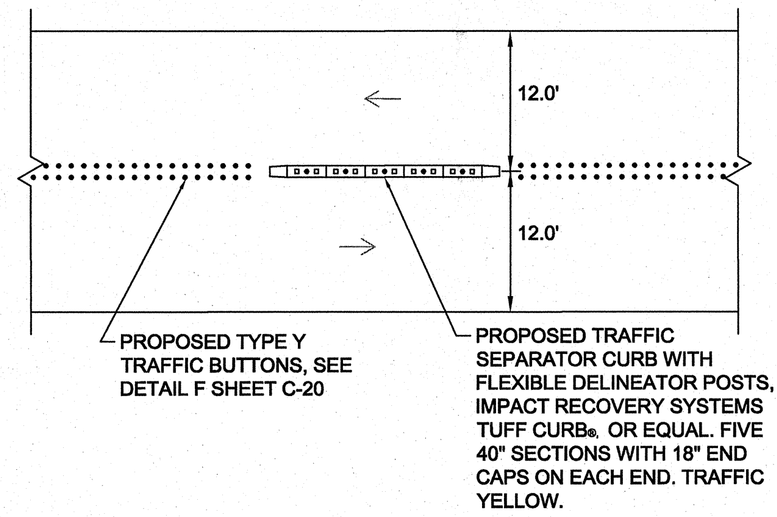
D C-08 SHORT TERM PARKING GARAGE LEVEL 0 RESERVED LOT ENTRY/EXIT
1" = 10'

NOTES

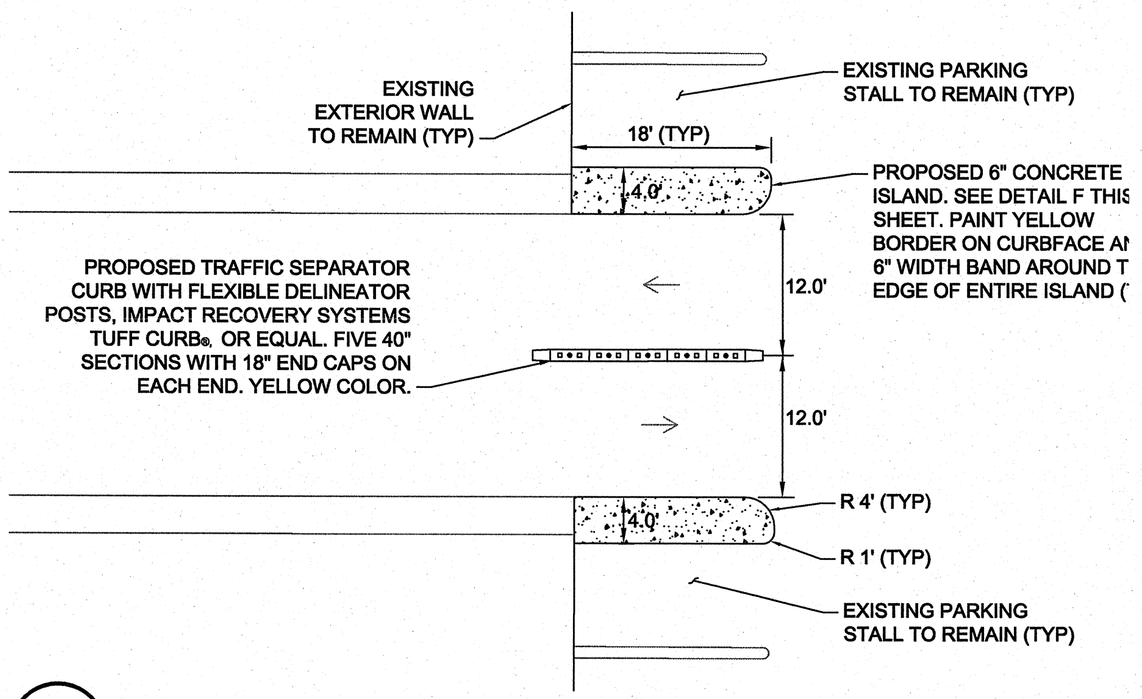
1. NO ADDITIONAL WORK ON HOURLY GARAGE LEVEL 2.



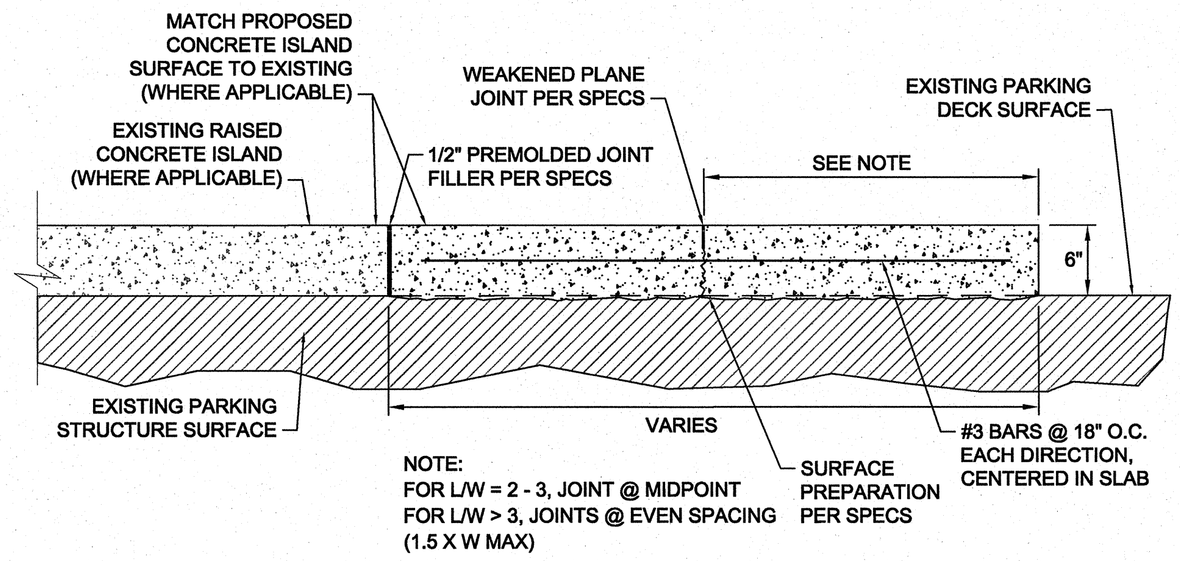
B C-08 SHORT TERM PARKING GARAGE LEVEL 0 EXIT LANE
1" = 10'



E C-08 SHORT TERM PARKING GARAGE RAMP COUNT ZONE
1" = 10'



C C-08 SHORT TERM PARKING GARAGE LEVEL 1 EXIT LANE
1" = 10'



F C-08 RAISED CONCRETE ISLAND INSTALLATION DETAIL
NOT TO SCALE

STATE OF TEXAS
JAMES E. MAGLOTHIN
98297
LICENSED
PROFESSIONAL ENGINEER
2-26-2013

BID SET

No.	REVISIONS	DATE	BY
1			
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SCALE AS SHOWN
DRAWN BY SCB
DESIGNED BY PAC
CHECKED BY JEM

PREPARED BY
Kimley-Horn and Associates, Inc.
601 NW Loop 410, Suite 350
San Antonio, Texas 78216-5595
Tel: (210) 541-9166
Fax: (210) 541-8699
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PROJECT TITLE
AIRPORT PARKING GARAGE AND SURFACE LOT IMPROVEMENTS (PRCS)

PREPARED FOR: SAN ANTONIO INTERNATIONAL AIRPORT
9800 AIRPORT BLVD.
SAN ANTONIO, TX 78216

SAN ANTONIO AIRPORT SYSTEM

HOURLY GARAGE DETAILS

DATE
FEBRUARY 2013

PROJECT NO.
33-00196

SHEET NUMBER
C-08

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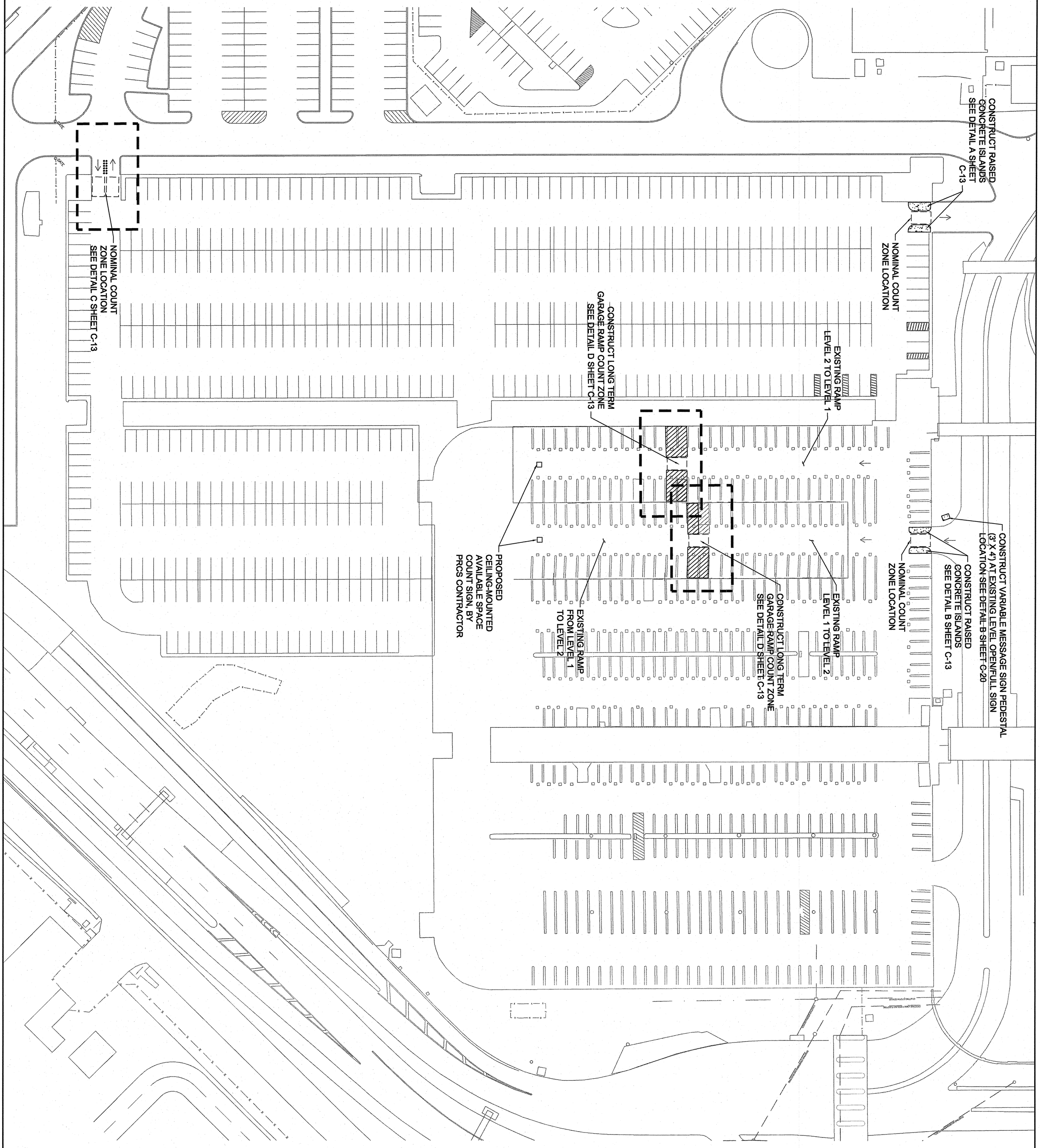

BID SET

LEGEND

EXISTING CONDUIT (AS NOTED) ——— COMM ———

TRAFFIC FLOW DIRECTION

GRAPHIC SCALE 40' (0, 40', 80')

N

STATE OF TEXAS — JAMES E. MAGLOTHIN — 93267 — LICENSED PROFESSIONAL ENGINEER — 2-26-2013

DATE FEBRUARY 2013

PROJECT NO. 33-00196

SHEET NUMBER C-09

PROJECT TITLE

AIRPORT PARKING GARAGE AND SURFACE LOT IMPROVEMENTS (PRCS)

PREPARED FOR: SAN ANTONIO INTERNATIONAL AIRPORT
9800 AIRPORT BLVD.
SAN ANTONIO, TX 78216

SAN ANTONIO AIRPORT SYSTEM

LONG TERM GARAGE LEVEL 1

PREPARED BY

Kimley-Horn and Associates, Inc.
601 NW Loop 410, Suite 350
San Antonio, Texas 78216-5595
Tel: (210) 541-9166
Fax: (210) 541-8699

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SCALE 1"=40'

DRAWN BY SCB

DESIGNED BY PAC

CHECKED BY JEM

No.	REVISIONS	DATE	BY
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Drawing name: C:\Users\james.maglothin\Desktop\SAT\Infrastructure Design\100% Design Submittal\100% Design Submittal\Civil\Drawings\02202013_SAT_PRCS_C-10_LONG_TERM_LEVEL2_SITE_PLAN.dwg C-10 Feb 26, 2013 4:15pm by: james.maglothin

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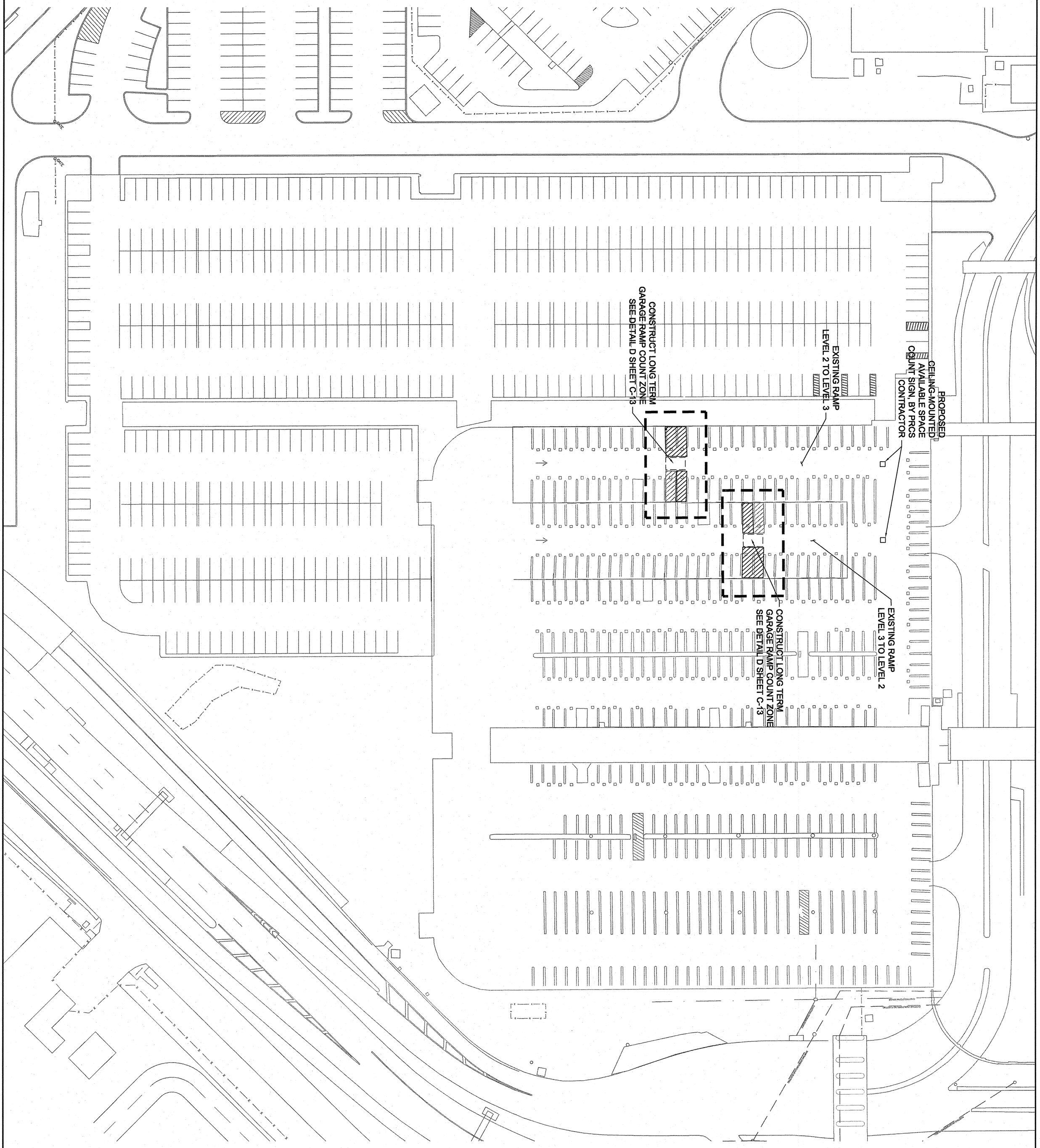

BID SET

STATE OF TEXAS
JAMES E. MAGLOTHIN
92297
PROFESSIONAL ENGINEER
2-26-2013

LEGEND

COMM — EXISTING CONDUIT (AS NOTED)

TRAFFIC FLOW DIRECTION

GRAPHIC SCALE 40' (0, 40', 80')

N

SHEET NUMBER	C-10
PROJECT NO.	33-00196
DATE	FEBRUARY 2013

PROJECT TITLE

AIRPORT PARKING GARAGE AND SURFACE LOT IMPROVEMENTS (PRCS)

PREPARED FOR: SAN ANTONIO INTERNATIONAL AIRPORT
9800 AIRPORT BLVD.
SAN ANTONIO, TX 78216

SAN ANTONIO AIRPORT SYSTEM

LONG TERM GARAGE LEVEL 2

PREPARED BY

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601 NW Loop 410, Suite 350
San Antonio, Texas 78216-5595
Tel: (210) 541-9166
Fax: (210) 541-8699

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SCALE	1"=40'
DRAWN BY	SCB
DESIGNED BY	PAC
CHECKED BY	JEM

No.	REVISIONS	DATE	BY
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Drawing name: C:\Users\james.maglothin\Desktop\SAT\Infrastructure Design\100% Design Submittal\100% Design Submittal\Civil\Drawings\02202013_SAT_PRCS_C-11_LONG_TERM_LEVEL 3_SITE_PLAN.dwg C-11 Feb 26, 2013 4:17pm by: james.maglothin

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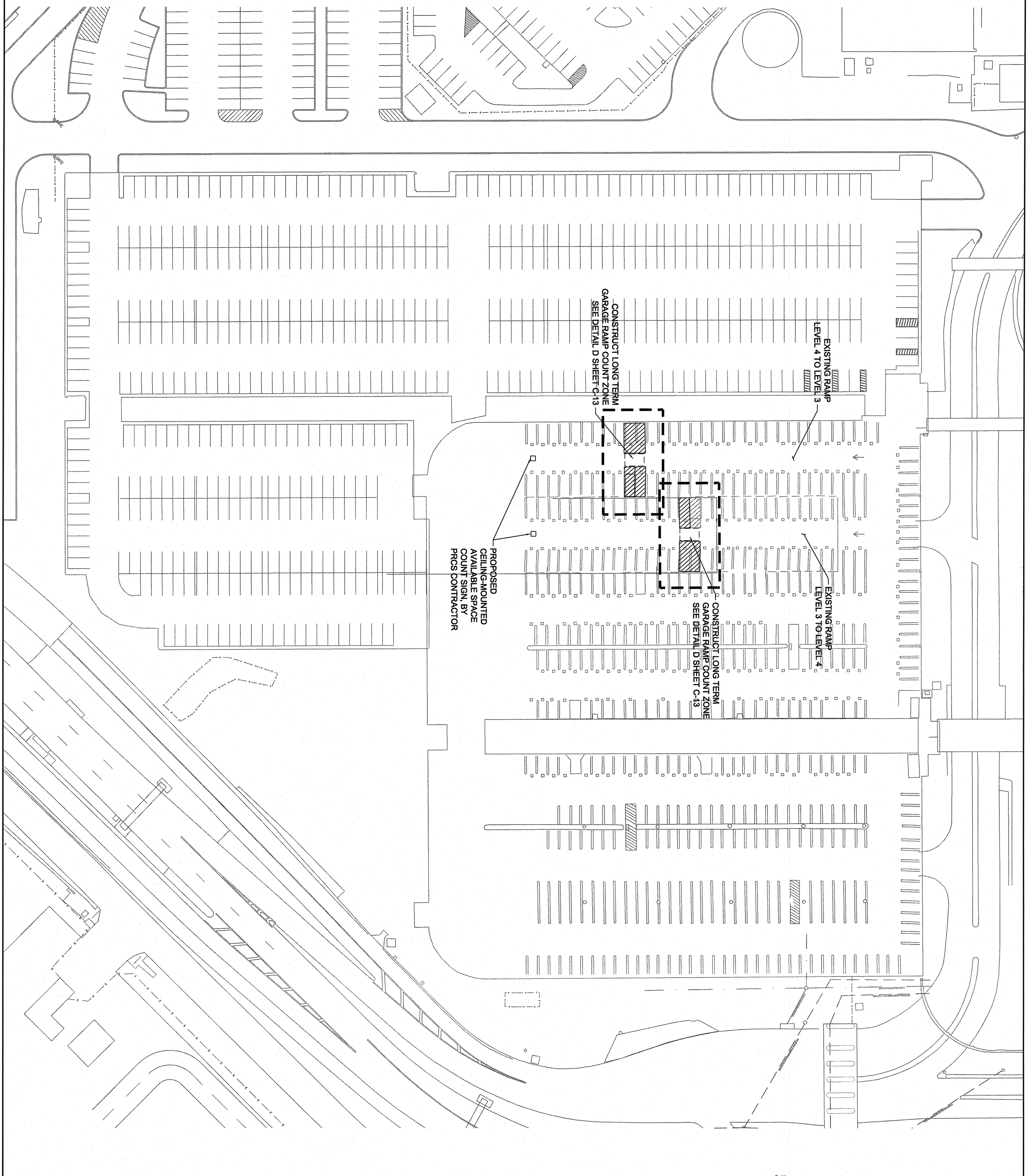

LEGEND

COMM

EXISTING CONDUIT (AS NOTED)

TRAFFIC FLOW DIRECTION

GRAPHIC SCALE 40' (0, 40', 80')

N

BID SET

JAMES E. MAGLOTHIN 98297 LICENSED PROFESSIONAL ENGINEER STATE OF TEXAS
2-26-2013

DATE	FEBRUARY 2013
PROJECT NO.	33-00196
SHEET NUMBER	C-11

PROJECT TITLE

AIRPORT PARKING GARAGE AND SURFACE LOT IMPROVEMENTS (PRCS)

PREPARED FOR: SAN ANTONIO INTERNATIONAL AIRPORT
9800 AIRPORT BLVD.
SAN ANTONIO, TX 78216

SAN ANTONIO AIRPORT SYSTEM

LONG TERM GARAGE LEVEL 3

PREPARED BY
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San Antonio, Texas 78216-5595
Tel: (210) 541-9166
Fax: (210) 541-8699

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SCALE	1"=40'
DRAWN BY	SCB
DESIGNED BY	PAC
CHECKED BY	JEM

No.	REVISIONS	DATE	BY
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Drawing name: C:\Users\james.maglothin\Desktop\SAT\Infrastructure Design\100% Design Submittal\100% Design Submittal\Civil\Drawings\02202013_SAT_PRCS_C-12_LONG_TERM_LEVEL4_SITE_PLAN.dwg C-12 Feb 26, 2013 4:17pm by: james.maglothin

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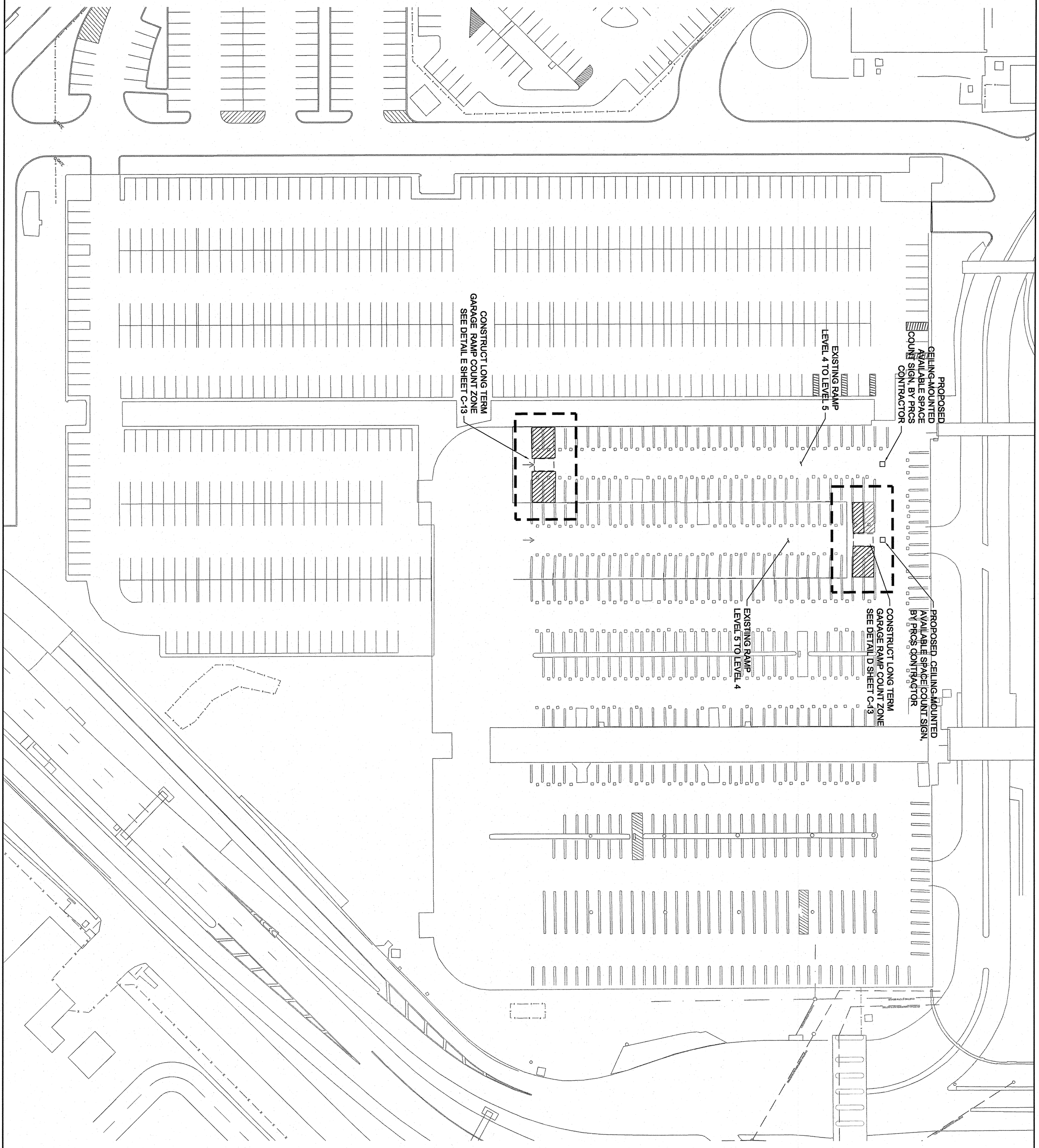

BID SET

STATE OF TEXAS
JAMES E. MAGLOTHIN
98297
LICENSED PROFESSIONAL ENGINEER
2-26-2013

LEGEND

COMM EXISTING CONDUIT (AS NOTED)

TRAFFIC FLOW DIRECTION

GRAPHIC SCALE 40' (0, 40', 80')

N

C-12

SHEET NUMBER

PROJECT NO. 33-00196

DATE FEBRUARY 2013

PROJECT TITLE

AIRPORT PARKING GARAGE AND SURFACE LOT IMPROVEMENTS (PRCS)

PREPARED FOR: SAN ANTONIO INTERNATIONAL AIRPORT
9800 AIRPORT BLVD.
SAN ANTONIO, TX 78216

SAN ANTONIO AIRPORT SYSTEM

LONG TERM GARAGE LEVEL 4

PREPARED BY
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601 NW Loop 410, Suite 350
San Antonio, Texas 78216-5595
Tel: (210) 541-9166
Fax: (210) 541-8699

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SCALE 1"=40'
DRAWN BY SCB
DESIGNED BY PAC
CHECKED BY JEM

No.	REVISIONS	DATE	BY
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Drawing name: C:\Users\james.maglothin\Desktop\SAT\Infrastructure Design\100% Design Submittal\100% Design Submittal\Civil\Drawings\02202013_SAT_PRCS_C-13_LONG_TERM DETAILS.dwg C-13 Feb 26, 2013 4:17pm by: james.maglothin

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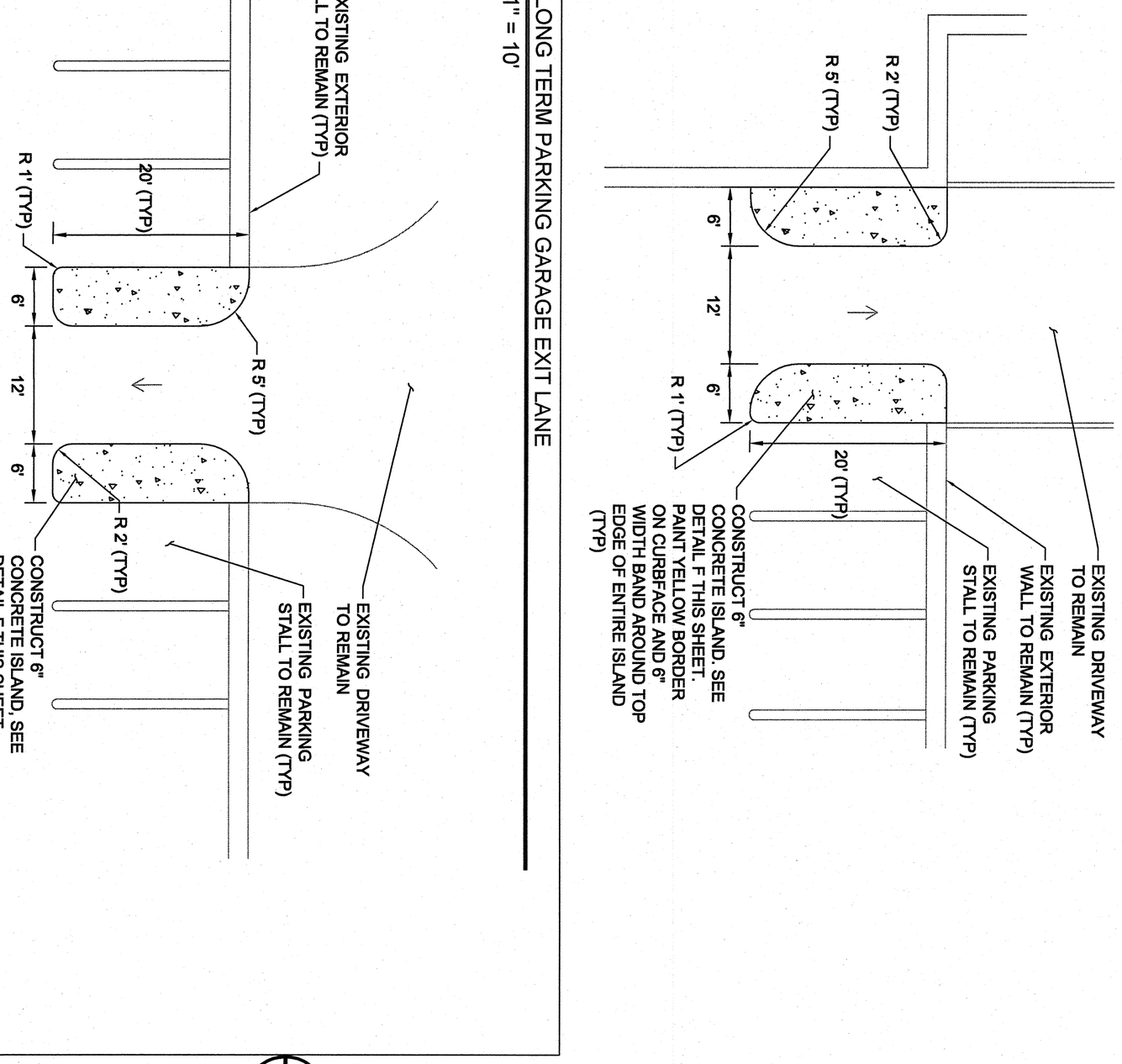
A C-13 — LONG TERM PARKING GARAGE EXIT LANE

1" = 10'

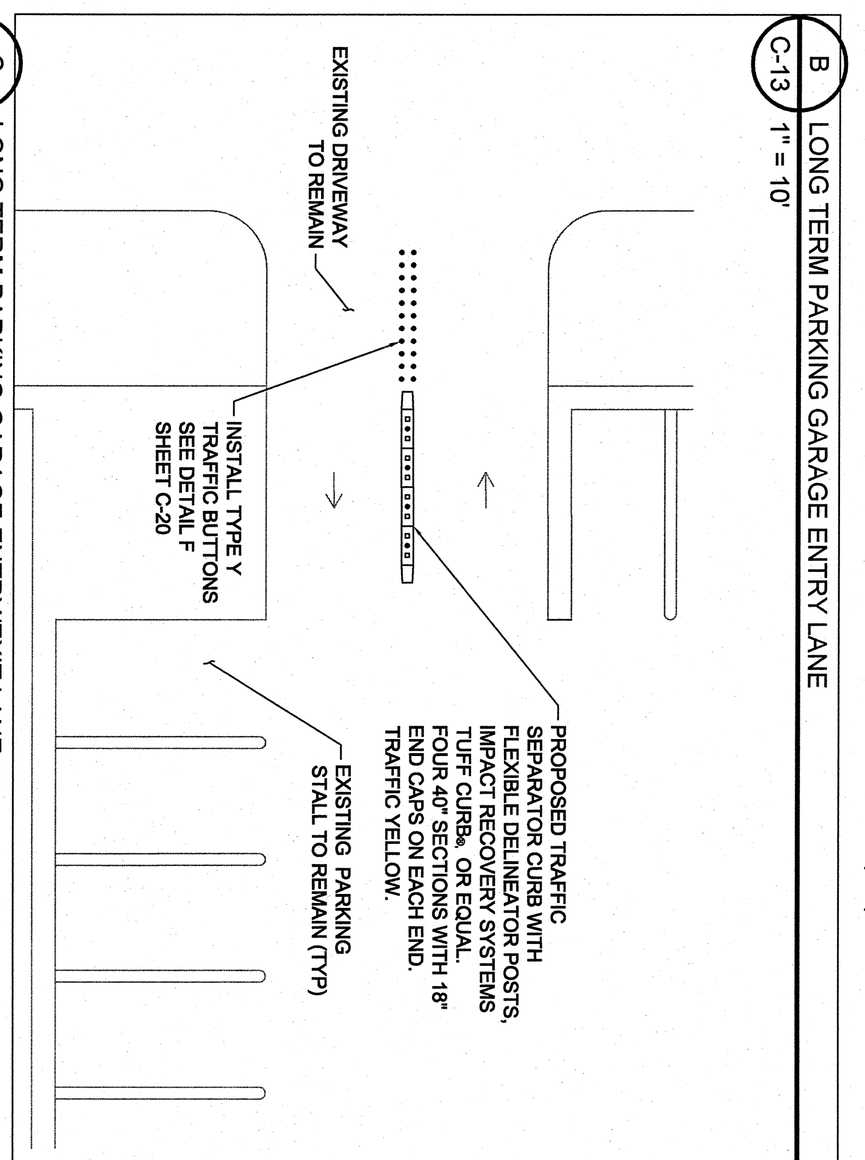


B C-13 — LONG TERM PARKING GARAGE ENTRY LANE

1" = 10'

C C-13 — LONG TERM PARKING GARAGE ENTRY/EXIT LANE

1" = 10'



D C-13 — LONG TERM PARKING GARAGE RAMP COUNT ZONE

1" = 10'

NOTES:
1. LOCATION OF EXISTING STRIPED PARKING STALL VARIES ON EACH RAMP. LOCATE COUNT ZONE ACCORDINGLY ON EACH RAMP. REFERENCE PLAN SHEETS FOR LOCATION OF PROPOSED STRIPING.
2. EXISTING PARKING STRIPING (IF PRESENT) SHALL BE OVERLAID WITH NEW PAINT IN EXISTING CONFIGURATION.

E C-13 — NOT USED

NOT TO SCALE

F C-13 — RAISED CONCRETE ISLAND INSTALLATION DETAIL

NOT TO SCALE

BID SET

STATE OF TEXAS — JAMES E. MAGLOTHIN — 98297 — LICENSED PROFESSIONAL ENGINEER — 2-26-2013

C-13 — SHEET NUMBER

PROJECT NO. 33-00196

DATE FEBRUARY 2013

PROJECT TITLE

AIRPORT PARKING GARAGE AND SURFACE LOT IMPROVEMENTS (PRCS)

PREPARED FOR: SAN ANTONIO INTERNATIONAL AIRPORT
9800 AIRPORT BLVD.
SAN ANTONIO, TX 78216

SAN ANTONIO AIRPORT SYSTEM

LONG TERM GARAGE DETAILS

PREPARED BY
Kimley-Horn and Associates, Inc.
601 NW Loop 410, Suite 350
San Antonio, Texas 78216-5595
Tel: (210) 541-9166
Fax: (210) 541-8699

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SCALE AS SHOWN
DRAWN BY SCB
DESIGNED BY PAC
CHECKED BY JEM

No.	REVISIONS	DATE	BY
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Drawing name: C:\Users\james.maglothin\Desktop\SAT\Infrastructure Design\100% Design Submittal\100% Design Submittal\Civil\Drawings\02202013_SAT_PRCS_C-14_TAXIHOLDLOT_CONDUIT_PLAN.dwg C-14 Feb 26, 2013 4:17pm by: james.maglothin

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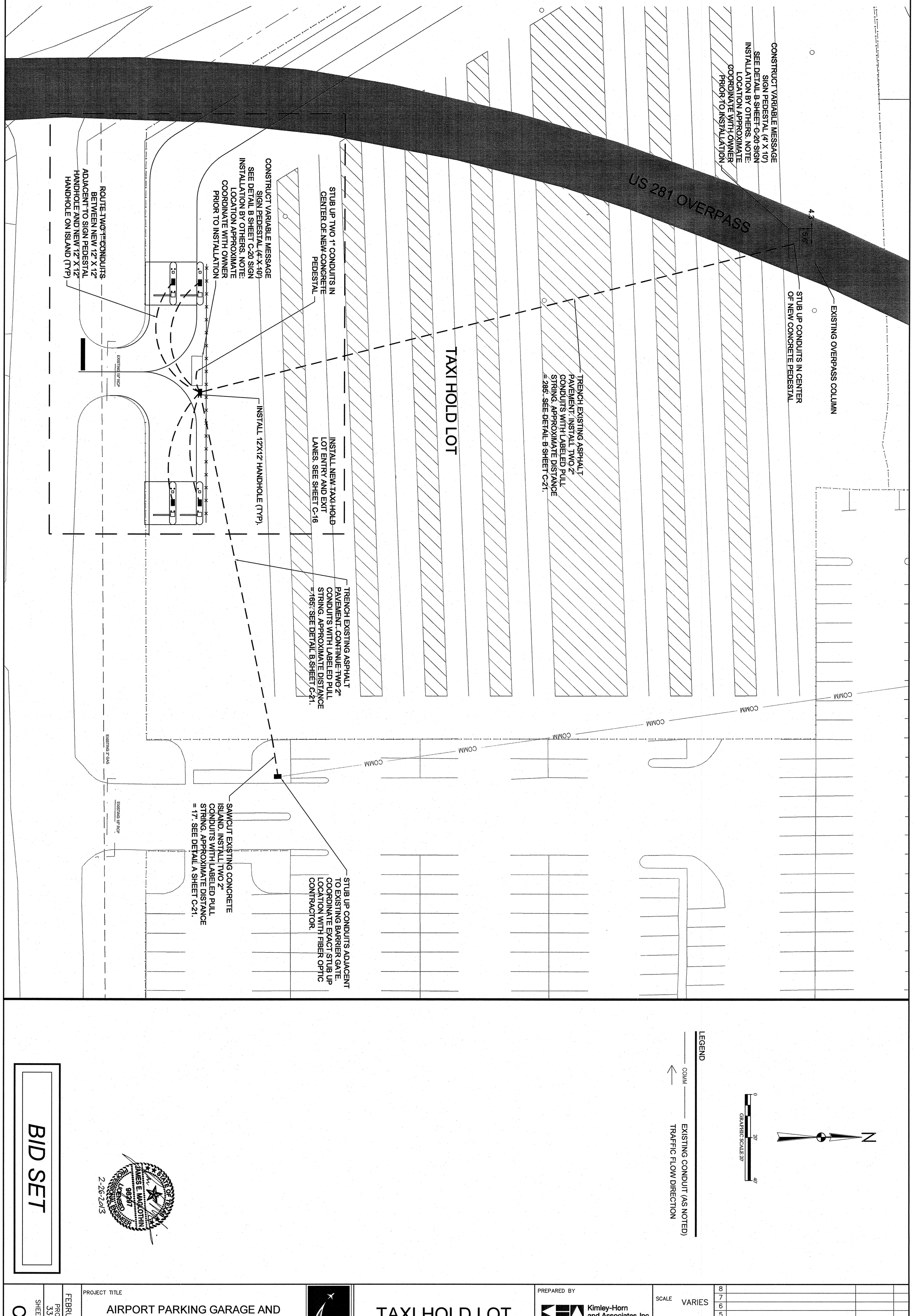

BID SET

2-26-2013

PROJECT TITLE

AIRPORT PARKING GARAGE AND SURFACE LOT IMPROVEMENTS (PRCS)

PREPARED FOR: SAN ANTONIO INTERNATIONAL AIRPORT
9800 AIRPORT BLVD.
SAN ANTONIO, TX 78216

SAN ANTONIO AIRPORT SYSTEM

TAXI HOLD LOT CONDUIT PLAN

PREPARED BY
Kimley-Horn and Associates, Inc.
601 NW Loop 410, Suite 350
San Antonio, Texas 78216-5595
Tel: (210) 541-9166
Fax: (210) 541-8699

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SCALE	VARIES
DRAWN BY	SCB
DESIGNED BY	PAC
CHECKED BY	JEM

No.	REVISIONS	DATE	BY
8			
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