ABBREVIATIONS

A/C	AIR CONDITION
ADA	AMERICAN WITH DISABILITIES ACT
AIA	AMERICAN INSTITUTE OF ARCHITECTS
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AOA	AIRCRAFT OPERATIONAL AREA
APPROX. LOC.	APPROXIMATE LIMITS OF CONSTRUCTION
C.N.A.	CAN NOT ACCESS
CAB	CRUSHED AGGREGATE BASE
CB	CATCH BASIN
CF	CUBIC FEET
CIS	CONSTRUCTION INSPECTION SERVICES
CITY	CITY OF ATLANTA
CL	CENTERLINE
CM	CONSTRUCTION MANAGER
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
COA	CITY OF ATLANTA
CONC	CONCRETE
CONST	CONSTRUCTION
CSI	CONSTRUCTION SPECIFICATIONS INSTITUTE
CTB	CEMENT TREATED AGGREGATE BASE
D/W	DRIVEWAY
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DMH	DRAINAGE MANHOLE
DOA	DEPARTMENT OF AVIATION
DOT	DEPARTMENT OF TRANSPORTATION
DWCB	DOUBLE WING CATCH BASIN
E	EAST
ELEV	ELEVATION
EOP	EDGE OF PAVEMENT
EPA	ENVIRONMENTAL PROTECTION AGENCY (FEDERAL)
EPD	ENVIRONMENTAL PROTECTION DIVISION (STATE)
ESPCP	EROSION, SEDIMENTATION AND POLLUTANT CONTROL PLAN
EXIST	EXISTING
EXP	EXPANSION
FAA	FEDERAL AVIATION ADMINISTRATION
FDC	FIRE DEPARTMENT CONNECTION
FF	FINISH FLOOR
FFE	FINISH FLOOR ELEVATION
FT	FOOT
GC	GENERAL CONTRACTOR
GDOT	GEORGIA DEPARTMENT OF TRANSPORTATION
GIS	GEOGRAPHIC INFORMATION SYSTEMS
GPC	GEORGIA POWER COMPANY
GPS	GLOBAL POSITIONING SYSTEM
HCM	HIGHWAY CAPACITY MANUAL
H-JAIA	HARTSFIELD/JACKSON ATLANTA INTERNATIONAL AIRPORT
HW	HEADWALL
IE	INVERT ELEVATION
INV	INVERT
IPF	IRON PIN FOUND
IPS	IRON PIN SET
JB	STORM JUNCTION BOX
LF	LINEAR FEET
LOI	LETTER OF INTENT
LP	LIGHT POLE
L/S	LANDSCAPE

MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MOT	MAINTENANCE OF TRAFFIC
MSL	MEAN SEA LEVEL
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
NEPA	NATIONAL ENVIRONMENTAL POLICY ACT
NLVR	NON-LICENSED VEHICLE ROADWAY
NOI	NOTICE OF INTENT
NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
NTS	NOT TO SCALE
OC	ON CENTER
OFA	OBJECT FREE AREA
OHP	OVERHEAD POWER
PCC	PORTLAND CEMENT CONCRETE
P/L	PROPERTY LINE
PE	PROFESSIONAL ENGINEER
PM	PROJECT MANAGER
PP	POWER POLE
PSI	POUND PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
R	RADIUS
R/W	RIGHT OF WAY
RCP	REINFORCED CONCRETE PIPE
REINF	REINFORCED
REQD	REQUIRED
ROW	RIGHT OF WAY
S/W	SIDEWALK
SCS	SOIL CONSERVATION SERVICE
SF	SQUARE FOOT
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STD	STANDARD
SUE	SUBSURFACE UTILITY ENGINEERING
SWCB	SINGLE WING CATCH BASIN
SWPP	STORM WATER POLLUTION PREVENTION PLAN
T	TELEPHONE
TYP	TYPICAL
UG	UNDERGROUND GAS
UGP	UNDERGROUND POWER
W	WATER

LEGEND

	EXISTING	PROPOSED
BOLLARD		N/A
BUILDING		N/A
BARRICADE TYPE I – LOW PROFILE BARRICADE	N/A	
BARRICADE TYPE II – GDOT TYPE II BARRICADE	N/A	
BARRICADE TYPE III – GDOT JERSEY BARRIER		
CLEANOUT		CO
CENTERLINE		
CONCRETE PAVEMENT		
CONTROL POINTS		N/A
CONCRETE JOINT LAYOUT		
DOWELLED JOINT–SMOOTH		
DOWELLED JOINT–DEFORMED TIE BARS		
DROP INLET		
EARTH		
ELECTRICAL MANHOLE	E	N/A
FIRE HYDRANT		
FENCE	X X	X X
GUARD RAIL		
GAS LINE	UG UG UG	UG UG UG
PAVEMENT MARKINGS, NON MOVEMENT AREA		N/A
PAVEMENT MARKINGS, TAXIWAY EDGE, CONTINUOUS		N/A
PAVEMENT MARKINGS, WHITE DASHED LANE LINES (WDLL)		N/A
PAVEMENT MARKINGS, WHITE SKIP LANE LINES (WBLL)		N/A
PAVEMENT MARKINGS, WHITE SOLID LANE LINE (WSLL)		
PAVEMENT MARKINGS, WHITE STOP BAR (WSB)		
NEW EXPANSION JOINT	N/A	E
PAVEMENT MARKING ARROW		
REINFORCED PAVEMENT – SINGLE MAT	R R	R R
REVISION TO SHEET		
SANITARY SEWER	SS	SS
SANITARY SEWER MANHOLE	S	S
SIGN		

LEGEND

	EXISTING	PROPOSED
SPOT ELEVATION	+999.50	999.50
STORM MANHOLE/JUNCTION BOX/DRAINAGE MANHOLE		
STORM PIPE		
THICKENED EDGE TRANSITION	N/A	T
TRANSVERSE CONSTRUCTION JOINT	N/A	
WATER VALVE		
WATER LINE	W	W

DETAIL IDENTIFICATION

1 / C-7 — DETAIL TITLE
SCALE: X" = X'-X"

SECTION OR DETAIL NUMBER
SHEET NUMBER

LEGEND

	EXISTING	PROPOSED
ACCESS VAULT	A	N/A
AGGREGATE		
ASPHALT PAVEMENT		
BENCHMARK	BM	N/A
BLANK TAXI EDGE LIGHT		N/A

CITY OF ATLANTA, GEORGIA

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999 PEACHTREE STREET, NE
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FAX: 404.946.2017

MATRIX 3D
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SOUTHEASTERN ENGINEERING, INC. (SEI)
2470 SANDY PLAINS ROAD
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PHONE: 770.321.3936
FAX: 770.321.3935

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

LEGEND & ABBREVIATIONS

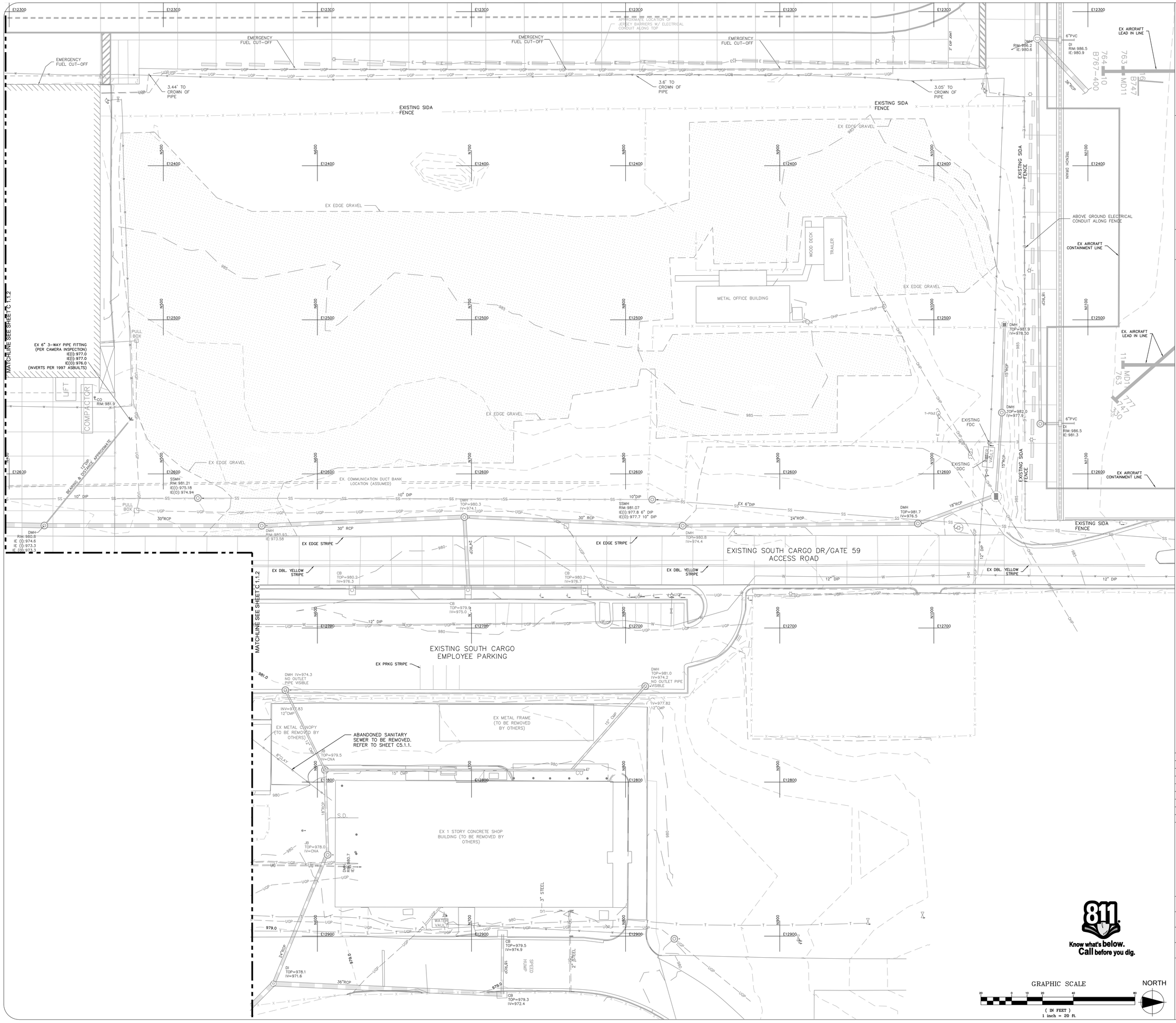
WBS NUMBER: D.07.55.009	DRAWN BY: SEI/JCS
FC NUMBER: FC-6006007929-A	DESIGNED BY: SEI/JCS
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: SEI/CWE
	APPROVED BY:
	DATE: 11/25/2014
	SCALE: 1" = 20'
SEAL	SHEET NO: C 0.1.1

811 Know what's below. Call before you dig.

NORTH

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NOT ISSUED FOR CONSTRUCTION



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AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

KEY MAP

NORTH

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

EXISTING CONDITIONS

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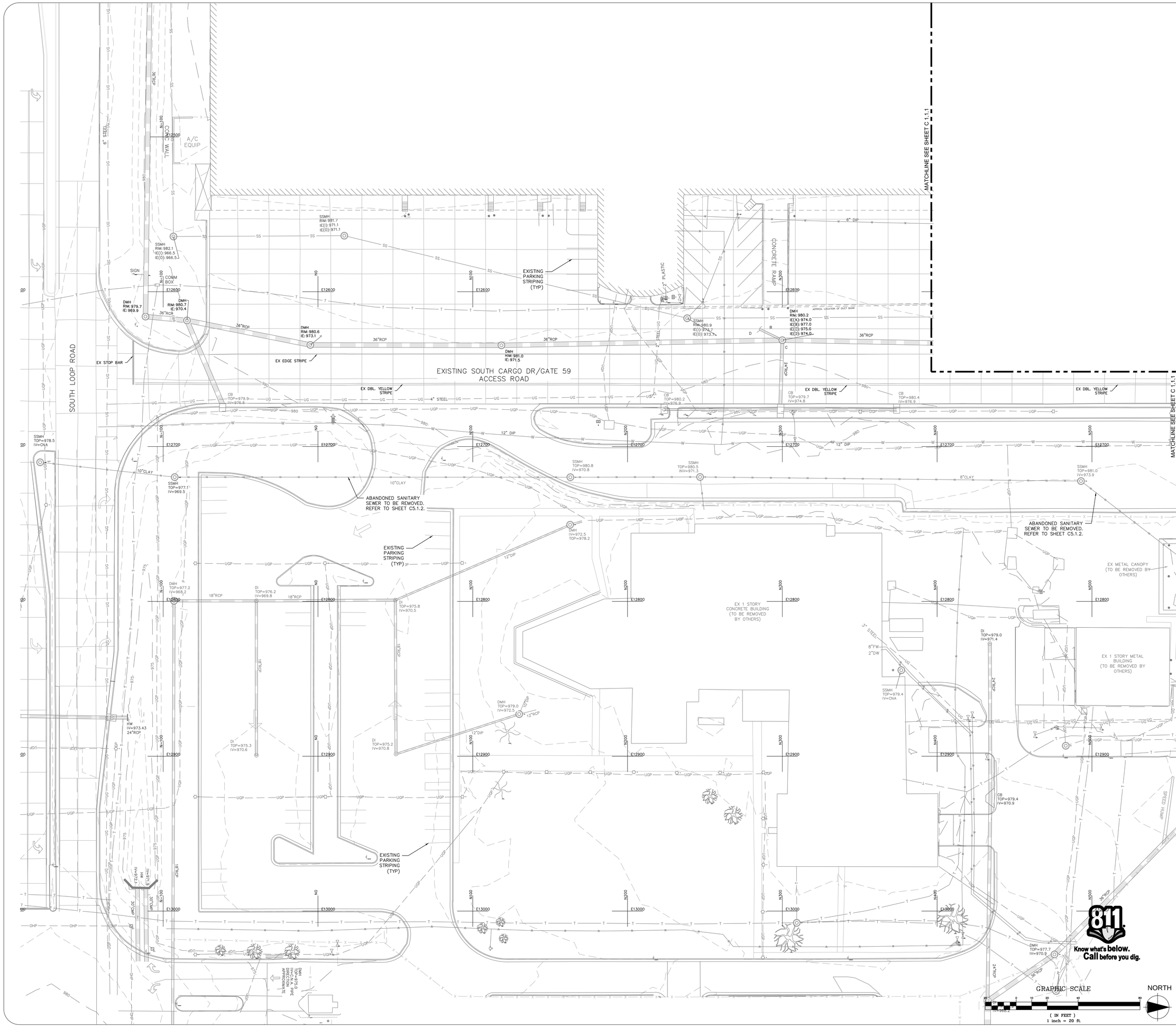

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KEY MAP

NORTH

NO.	DATE	BY	REVISION

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EXISTING CONDITIONS

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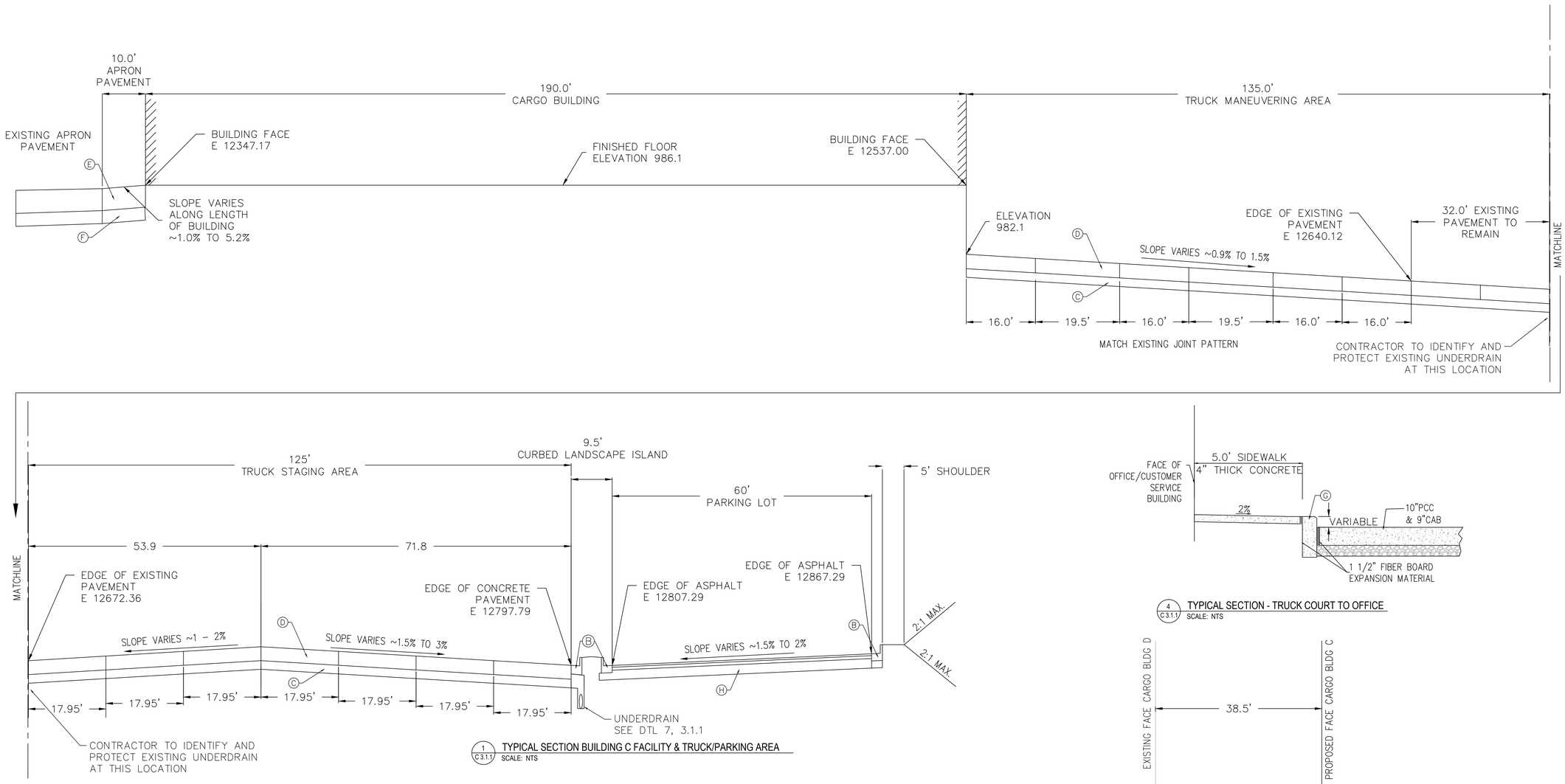
	APPROVED BY:
	DATE: 11/25/2014
	SCALE: 1" = 20'
	SHEET NO: C 1.1.2

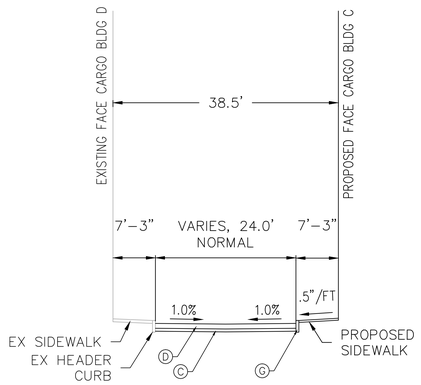
SEAL

NOT ISSUED FOR CONSTRUCTION

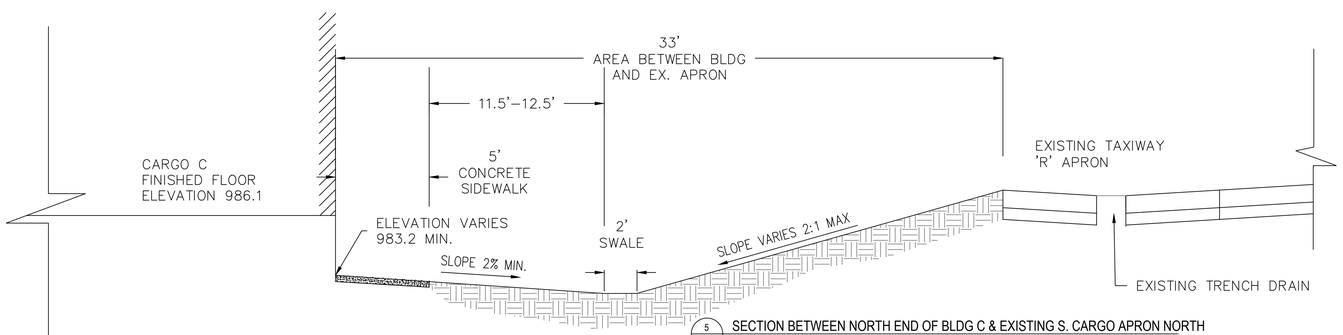


1 C3.1.1 TYPICAL SECTION BUILDING C FACILITY & TRUCK/PARKING AREA
SCALE: NTS

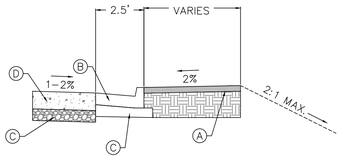
4 C3.1.1 TYPICAL SECTION - TRUCK COURT TO OFFICE
SCALE: NTS



3 C3.1.1 SECTION THRU EMERGENCY ACCESS DRIVE
SCALE: NTS

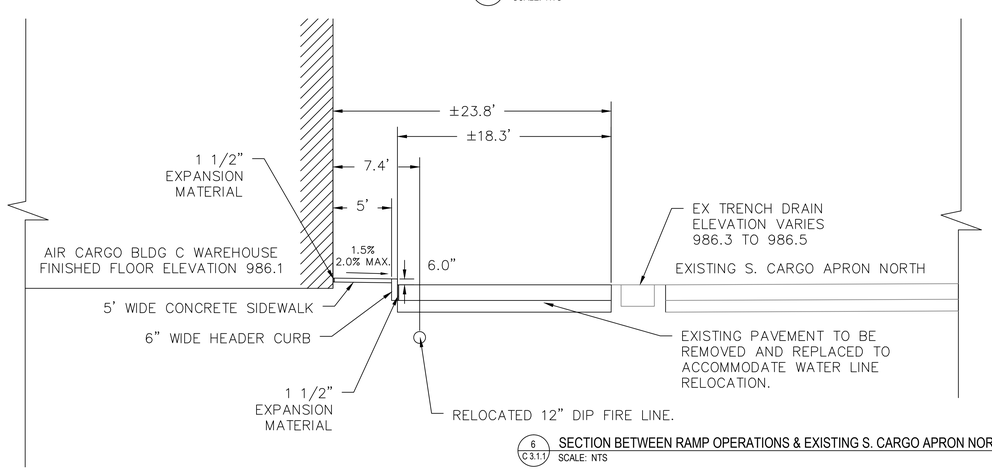


5 C3.1.1 SECTION BETWEEN NORTH END OF BLDG C & EXISTING S. CARGO APRON NORTH
SCALE: NTS

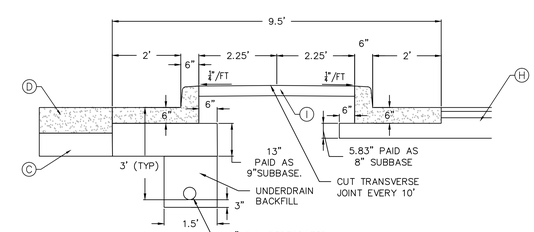


2 C3.1.1 SECTION THROUGH NORTH END TRUCK COURT
SCALE: NTS

- (A) GRASS SHOULDER
- (B) 30" CONC CURB AND GUTTER, TP2, GDOT STD 9032B – (6–C17.1.1)
- (C) CRUSHED AGGREGATE BASE 9" (P209)
- (D) 10" PCC –(P501, P504)
- (E) 16" PCC –(P501)
- (F) 12" LOW SLUMP, LOW STRENGTH CONCRETE (P501)
- (G) VARIABLE HEIGHT HEADER CURB – (5–C17.1.1)
- (H) ASPHALT PAVEMENT – (3–C3.1.2)
- (I) CONCRETE ISLAND/SIDEWALK PAVEMENT, 4" THICK – (P501)



6 C3.1.1 SECTION BETWEEN RAMP OPERATIONS & EXISTING S. CARGO APRON NORTH
SCALE: NTS



7 C3.1.1 TYPICAL SECTION - CURBS AND MEDIAN UNDER DRAIN SECTION PLACEMENT
SCALE: NTS

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NO.	DATE	BY	REVISION

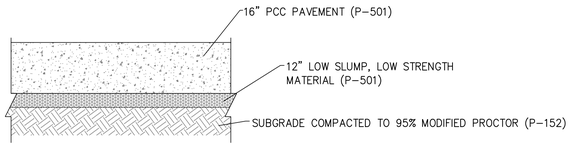
AIR CARGO BUILDING C

TYPICAL SECTIONS

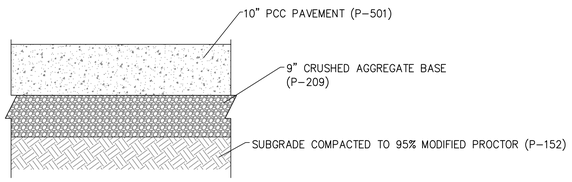
WBS NUMBER: D.07.55.009	DRAWN BY: SEI/JCS
FC NUMBER: FC-6006007929-A	DESIGNED BY: SEI/JCS
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: SEI/CWE
	APPROVED BY:
	DATE: 11/25/2014
	SCALE: N.T.S.
SEAL	SHEET NO: C 3.1.1

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

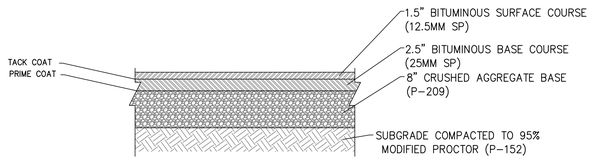
NOT ISSUED FOR CONSTRUCTION



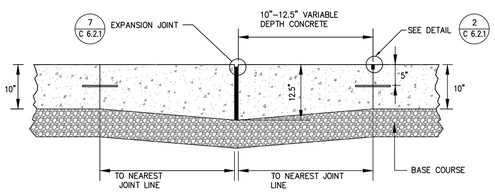
1 / C 3.1.2 TYPICAL SECTION - 16" PCC PAVEMENT
SCALE: NTS



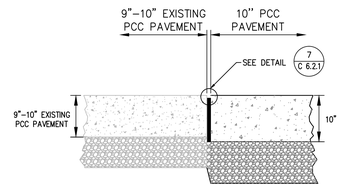
2 / C 3.1.2 TYPICAL SECTION - 10" PCC PAVEMENT
SCALE: NTS



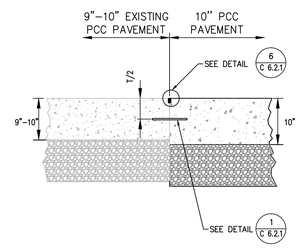
3 / C 3.1.2 TYPICAL SECTION - ASPHALT PARKING LOT
SCALE: NTS



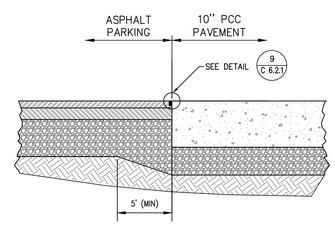
4 / C 3.1.2 THICKENED EDGE TO THICKENED EDGE TYPICAL SECTION
SCALE: NTS



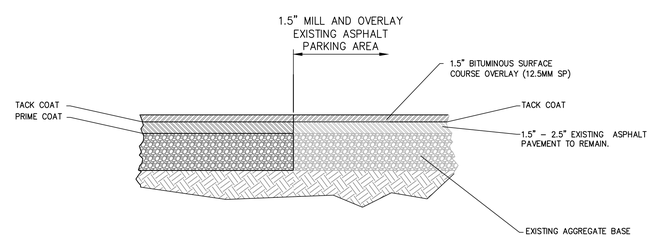
5 / C 3.1.2 PROPOSED 10" PCC TO EXISTING 9" PCC TYPICAL SECTION WITH EXPANSION JOINT
SCALE: NTS



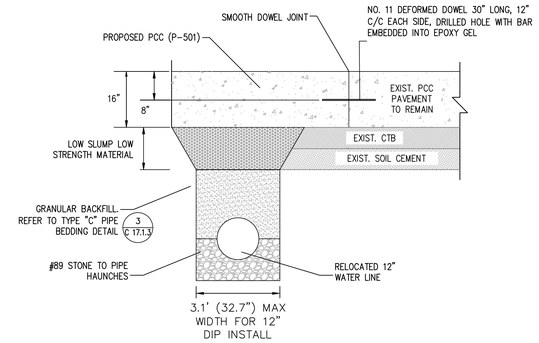
6 / C 3.1.2 EXISTING 9-10" PCC TO NEW 10" PCC SECTION WITH DOWELED CONSTRUCTION JOINT
SCALE: NTS



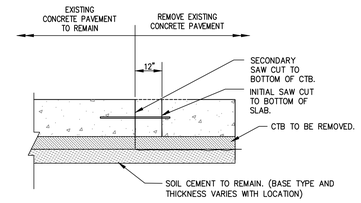
7 / C 3.1.2 NEW ASPHALT TO PCC INTERFACE
SCALE: NTS



8 / C 3.1.2 NEW ASPHALT TO EXISTING ASPHALT INTERFACE
SCALE: NTS



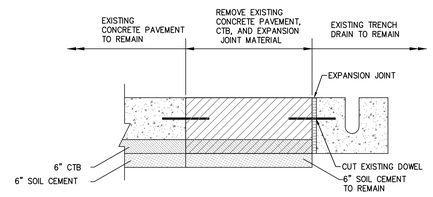
9 / C 3.1.2 TYPICAL APRON REPLACEMENT SECTION
SCALE: NTS



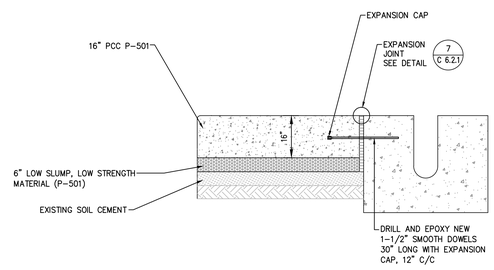
NOTES:

1. CONTRACTOR SHALL SAWCUT SLAB TO BE REMOVED AS INDICATED AND REMOVE INNER PORTION. OUTER 1'-0" PCC SHALL BE REMOVED BY HAND.
2. CONTRACTOR SHALL REPLACE SLAB WITH PCC AS REQUIRED. PCC PAVEMENT SHALL BE PAID FOR AS DEPTH SPECIFIED ON JOINTING PLANS (UNREINFORCED OR REINFORCED AS APPLICABLE) REGARDLESS OF RESULTING DEPTH. IF ADDITIONAL THICKNESS IS MORE THAN 2 INCHES AND WHEN DIRECTED BY THE ENGINEER, THE CONTRACTOR WILL BE REQUIRED TO BRING THE BASE UP TO PROPER GRADE AS DIRECTED BY THE ENGINEER.
3. SEE PLANS SHEETS FOR LOCATIONS OF REINFORCED SLABS. SEE JOINT DETAILS FOR THE PLACEMENT OF REINFORCING WITHIN THE PAVEMENT SECTION.

10 / C 3.1.2 DEMOLITION SECTION 16" (TYPICAL)
SCALE: NTS



11 / C 3.1.2 DEMOLITION SECTION 16" ADJACENT TO TRENCH DRAIN
SCALE: NTS



NOTE: CONTRACTOR SHALL PHOTOGRAPH, DOCUMENT, AND NOTIFY OWNER OF ANY DAMAGE TO THE EXISTING TRENCH DRAIN, WITHIN THE LIMITS OF CONSTRUCTION, PRIOR TO COMMENCEMENT OF WORK. ANY DAMAGE TO THE TRENCH DRAIN FOUND AFTER COMMENCEMENT OF WORK AND WAS NOT DOCUMENTED SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.

12 / C 3.1.2 EXPANSION JOINT ALONG TRENCH DRAIN
SCALE: NTS

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NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

TYPICAL SECTIONS

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	SCALE: N.T.S.
SEAL	SHEET NO: C 3.1.2

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NOT ISSUED FOR CONSTRUCTION

CARGO BUILDING C (SEE ARCHITECTURAL)

FACE OF BUILDING E 12347.17

FACE OF BUILDING E 12537.00

FACE OF BUILDING N 10263.38

FACE OF BUILDING S 497.38

OVERHANG

OVERHANG

EXISTING EDGE OF PAVEMENT

EMERGENCY FUEL CUT-OFF

SPUR 2956
N 626.68
E 12313.74
EL 985.47

EXISTING CURB LINE

38.5' BUILDING SEPARATION

24' ACCESS LANE

20' ACCESS LANE

6" HEADER CURB

PROPOSED SIDEWALK

DRIVE

MATCHLINE SEE SHEET C 4.1.2

MATCHLINE SEE SHEET C 1.1.2

MATCHLINE SEE SHEET C 4.1.2

5' SIDEWALK

HEADER CURB

PROP. 6x6 CONCRETE HVAC PAD

EXISTING SIDA FENCE

CONCRETE RAMP AND LOADING DOCK STAIRS SEE S 5.0.1

VARIABLE HEIGHT HEADER CURB

BOLLARD

HANDICAP RAMP TYP

SEE SHEET L1.1.1

30" CURB & GUTTER

CONCRETE FLUME

DELTA 8
N 1111.61
E 12634.59
EL 986.56

TIE NEW CURB INTO EXISTING CURB

GRASSED AREA

HANDICAP RAMPS TYP

3 FT. CONCRETE FLUME

5 FT. CURB BREAK

SIDEWALK PAVEMENT (TYP)

LEV. ONLY

CARPOOL ONLY

VAN

DELTA 8
N 910.29
E 12861.14
EL 981.23

SPEED HUMP

4" SIDEWALK CONCRETE

16" PCC APRON CONCRETE PAVEMENT (1-C3.1.2)

10" PCC LANDSIDE CONCRETE PAVEMENT (2-C3.1.2)

ASPHALT PAVEMENT (3-C3.1.2)

VARIABLE ASPHALT OVERLAY

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

NORTH

Know what's below. Call before you dig.

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PHONE: 770.321.3936
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KEY MAP

NORTH

NO.	DATE	BY	REVISION

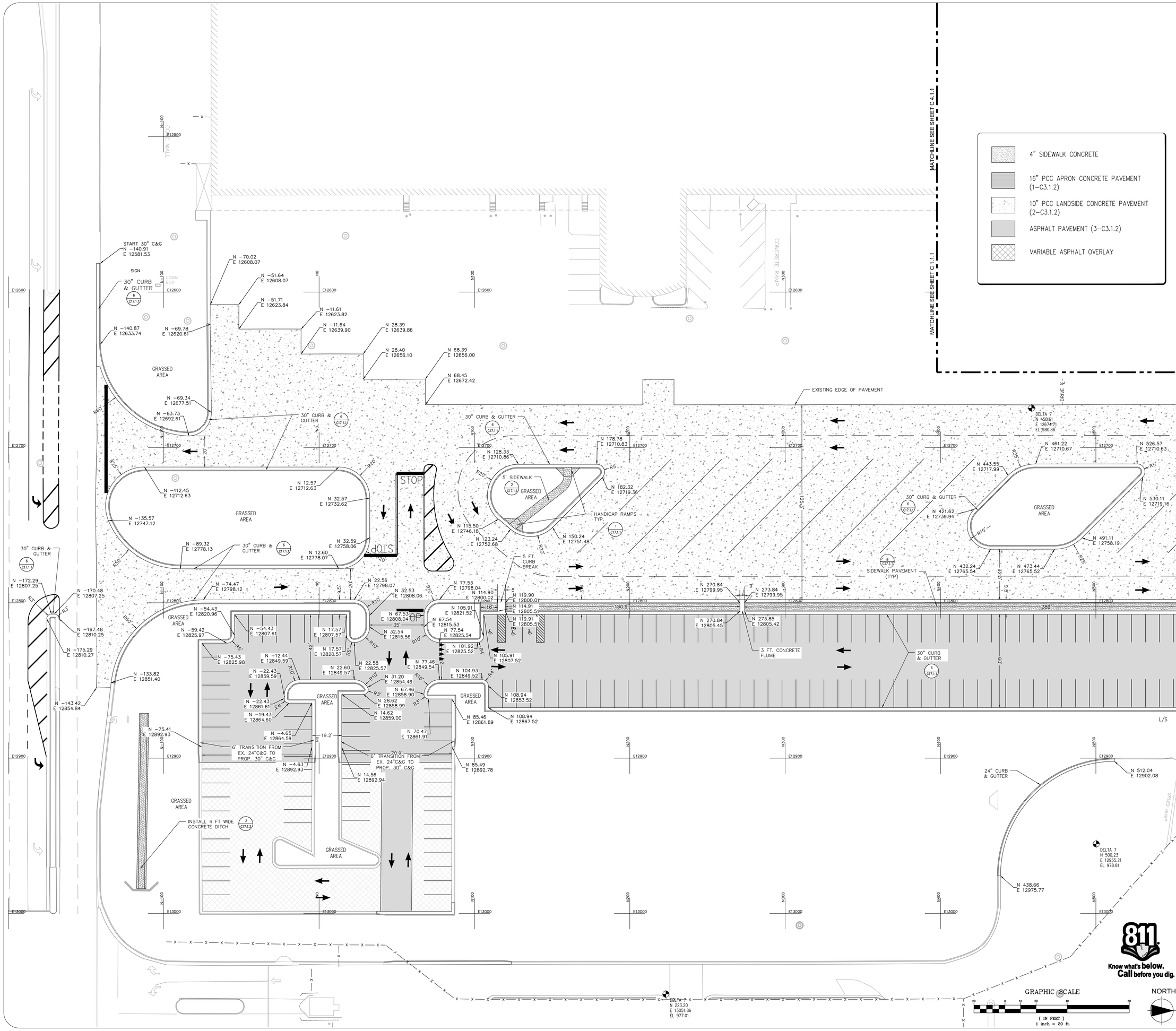
AIR CARGO BUILDING C

SITE & GEOMETRIC CONTROL PLAN

WBS NUMBER: D.07.55.009	DRAWN BY: SEI/JCS
FC NUMBER: FC-6006007929-A	DESIGNED BY: SEI/JCS
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: SEI/CWE
	APPROVED BY:
	DATE: 11/25/2014
	SCALE: 1" = 20'
SEAL	SHEET NO: C 4.1.1

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NOT ISSUED FOR CONSTRUCTION



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SEAL	SHEET NO: C 4.1.2

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CARGO BUILDING C (SEE ARCHITECTURAL)

EMERGENCY FUEL CUT-OFF

FACE OF BUILDING E 12347.17

THE DEPTH AND PROXIMITY OF THE EXISTING FIRE LINE TO THE PROPOSED BUILDING FOOTING HAS BEEN REVIEWED. THE POSITION OF THE EXISTING LINE IS OUTSIDE OF THE INFLUENCE OF THE PROPOSED FOOTING.

TAPPING SLEEVE & VALVE ON EXISTING 12" WATERLINE

90° BEND N 1036.96 E 12338.84

N 1036.96 E 12343.43

90° BEND N 1063.38 E 12338.84

RELOCATED FIRE HYDRANT ASSEMBLY & VALVE N 1060.93 E 12347.61

RELOCATE FIRE HYDRANT CAP AND PLUG WATER LINE

RELOCATE WATER LINE 5 FEET OUTSIDE FOOTPRINT OF BUILDING

90° BEND N 1063.31 E 12386.55

ROOF DRAINS TO TIE INTO ROOF LEADERS. SEE SHEET P1.1.1

TAPPING SLEEVE & VALVE ON EXISTING 12" WATERLINE

N 1043.99 E 12386.55

SEE INSET 3 BELOW LEFT

ABOVE GROUND ELECTRICAL CONDUIT ALONG FENCE

FACE OF BUILDING N 1026.38

FACE OF BUILDING S 497.38

SEE INSET 1 BELOW LEFT

STAIRWELL ROOF DRAIN TO TIE INTO ROOF LEADER. SEE SHEET P1.1.1

4" SAN SEWER DISCHARGE PIPE FROM BLDG. 6" TO 4" REDUCER REQUIRED FOR TRANSITION. SEE P1.1.1 FOR CONTINUATION

SEE INSET 2 BELOW LEFT

STAIRWELL ROOF DRAIN TO TIE ROOF LEADER. SEE SHEET P1.1.1

6" DIP WYE W/ 4" BRANCH CLEAN OUT N 817.27 E 12540.59

ROOF DRAIN CONNECTIONS SEE P1.1.1 FOR CONTINUATION

90° BEND N 831.49 E 12542.24

8" DIP WATERLINE FOR FIRE SUPPRESSION. SEE SHEET FP 2.1.1 FOR CONTINUATION

6" WYE W/ 6" BRANCH N 817.23 E 12544.15

6" DIP SAN SEWER FROM BLDG. SEE P1.1.1 FOR CONTINUATION

FACE OF BUILDING E 12537.00

POST INDICATOR VALVE N 1033.77 E 12560.34

N 812.62 E 12543.94

NEW 3" WATER METER WITH H-20 RATED FRAME & COVER

90° BEND N 831.50 E 12560.58

8" DIP FIRE SUPPLY

3" DIP WATERLINE SEE P 1.1.1 FOR CONTINUATION

6" DIP ROOF DRAIN CONNECTION SEE P1.1.1 FOR CONTINUATION

6" DIP ROOF DRAIN FROM BLDG @ 1% MIN.

4" DIP SAN SEWER FROM BLDG. SEE P1.1.1 FOR CONTINUATION

12x8 TEE N 1037.21 E 12560.47

ASBUILT DRAWINGS FROM AIR CARGO BUILDING D INDICATE THAT A COMMUNICATIONS DUCT BANK HAD BEEN EXTENDED TO THIS AREA, HOWEVER IT COULD NOT BE IDENTIFIED BY UTILITY DESIGNATORS OR SURVEY. CONTRACTOR TO VERIFY EXISTENCE AND LOCATION OF COMMUNICATION DUCT BANK PRIOR TO CONSTRUCTION. ALSO SEE SHEET E 1.2.1 FOR ALTERNATE

EX. COMMUNICATION DUCT BANK LOCATION (ASSUMED)

6" DIP WYE W/ 4" BRANCH N 817.29 E 12592.48

ELECTRIC DUCT BANK SEE SHEET E 1.2.1

CONNECT SERVICE TO EXISTING SSMH N 817.29 E 12616.65

N 522.42 E 12615.67

AFTER SUBSTANTIAL COMPLETION, THE CONTRACTOR SHALL PERFORM A CCTV INSPECTION OF THE DOWNSTREAM SANITARY LINE, TO MAKE SURE THE LINE IS FREE OF DEBRIS.

PROPOSED 1 1/4" STEEL GAS LINE CONNECTION TO BLDG C BY AGL. CONT. ON SHEET P 3.1.1

DIRECTIONAL BORE METHOD TO BE USED FOR INSTALLATION OF ELECTRICAL DUCT BANK, WATER LINES AND NATURAL GAS UNDER EXISTING PAVEMENT.

PROPOSED ELECTRICAL DUCT BANK. SEE SHEET E 1.2.1

PROPOSED 4" STEEL GAS LINE ROUTING. FINAL DESIGN AND INSTALLATION TO BE PERFORMED BY AGL

N 824.37 E 12698.20 APPROX.

EX. 3" TEE (PER 1997 ASBUILT). CONTRACTOR TO VERIFY.

6" WET TAP TO 12" EXISTING WATERLINE. N 829.46 E 12698.82

6" DIP

PROPOSED GPC TRANSFORMER BLDG 'C' BY GPC

RELOCATED FIRE HYDRANT ASSEMBLY & VALVE N 811.31 E 12731.87

EXISTING POWER TO HANGER TO BE PROTECTED.

MATCHLINE SEE SHEET C 4.2.2

MATCHLINE SEE SHEET C 4.2.2

END CAP

6" DIP WYE W/ 4" BRANCH CLEANOUT (VERTICAL TO SURFACE).

6" WYE W/ 6" BRANCH

TO SOUTH STAIR TOWER ROOF DRAIN CONNECTION. SEE P1.1.1

6"-45° DIP ELBOW FITTING

FLOW

6" DIP

INSET 1
SCALE 1" = 2'

COL D.1 14

4" SANITARY SEWER. SEE P1.1.1

6"-45° DIP ELBOW FITTING

6" TO 4" DIP REDUCER

8" DIP CONNECTION TO PUMP ROOM SEE FP2.1.1

6" DIP VERTICAL WYE W/ 6" BRANCH CLEANOUT (VERTICAL TO SURFACE)

6" DIP

6" DIP CONNECTION TO BLDG. SEE P1.1.1

8" WATER LINE TO PUMP ROOM

6" DIP HORIZONTAL WYE W/ 6" BRANCH 3" DOMESTIC WATER LINE

WATER METER

6" DIP SEWER

INSET 2
SCALE 1" = 2'

PROPOSED SIDEWALK

TO ROOF DRAIN 1 CONNECTION. SEE P1.1.1

TO ROOF DRAIN 2 CONNECTION. SEE P1.1.1

EX 12" WATER LINE

FLOW

6" WYE W/ 6" BRANCH

6" DIP WYE W/ 6" BRANCH CLEANOUT (VERTICAL TO SURFACE)

6" DIP ROOF DRAIN LEADER

INSET 3
SCALE 1" = 2'

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GRAPHIC SCALE

(IN FEET)
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AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

KEY MAP

NORTH

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AIR CARGO BUILDING C

UTILITY PLAN

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SEAL	SHEET NO: C 4.2.1

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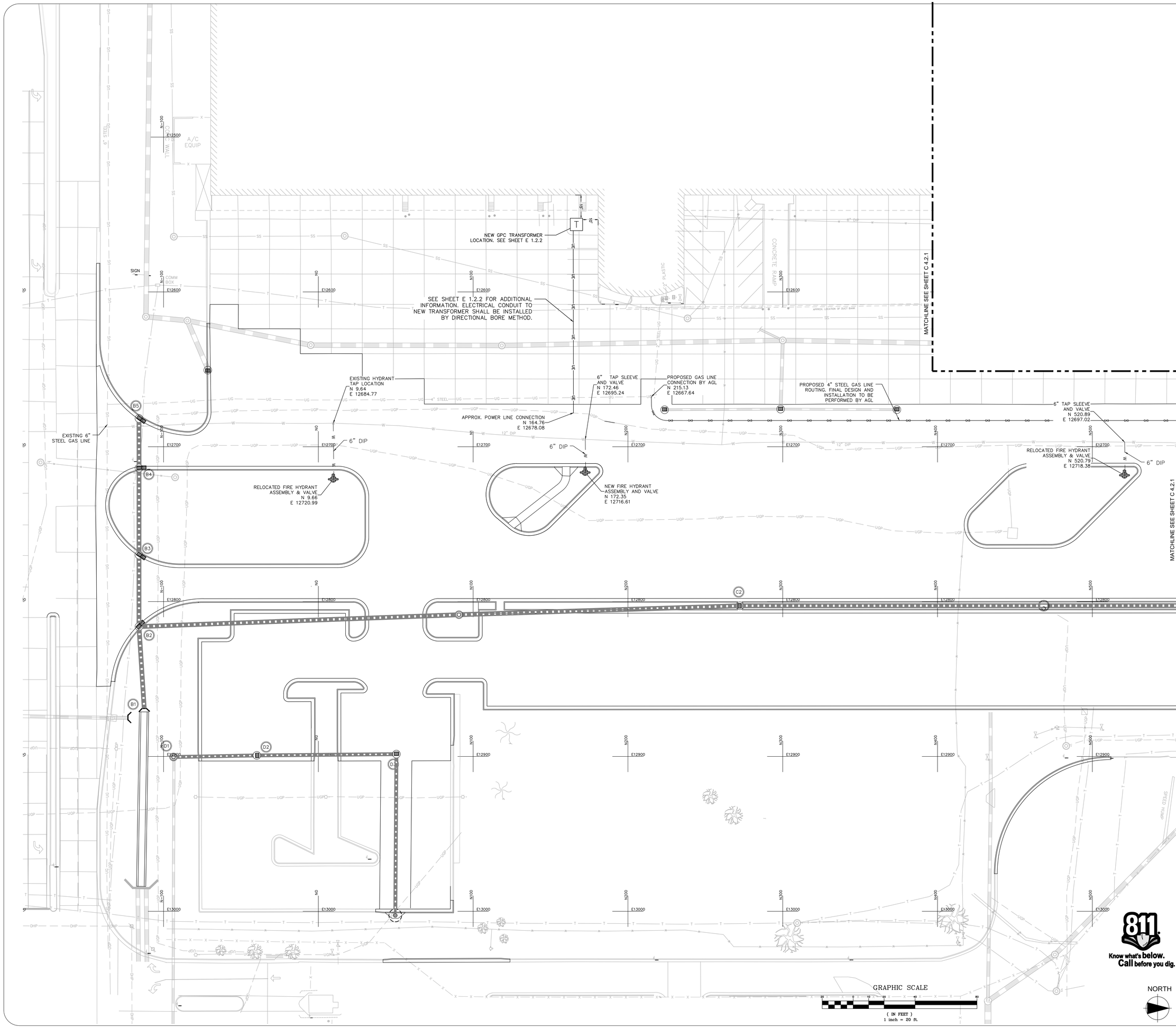

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MATCHLINE SEE SHEET C 4.2.1

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811 Know what's below. Call before you dig.

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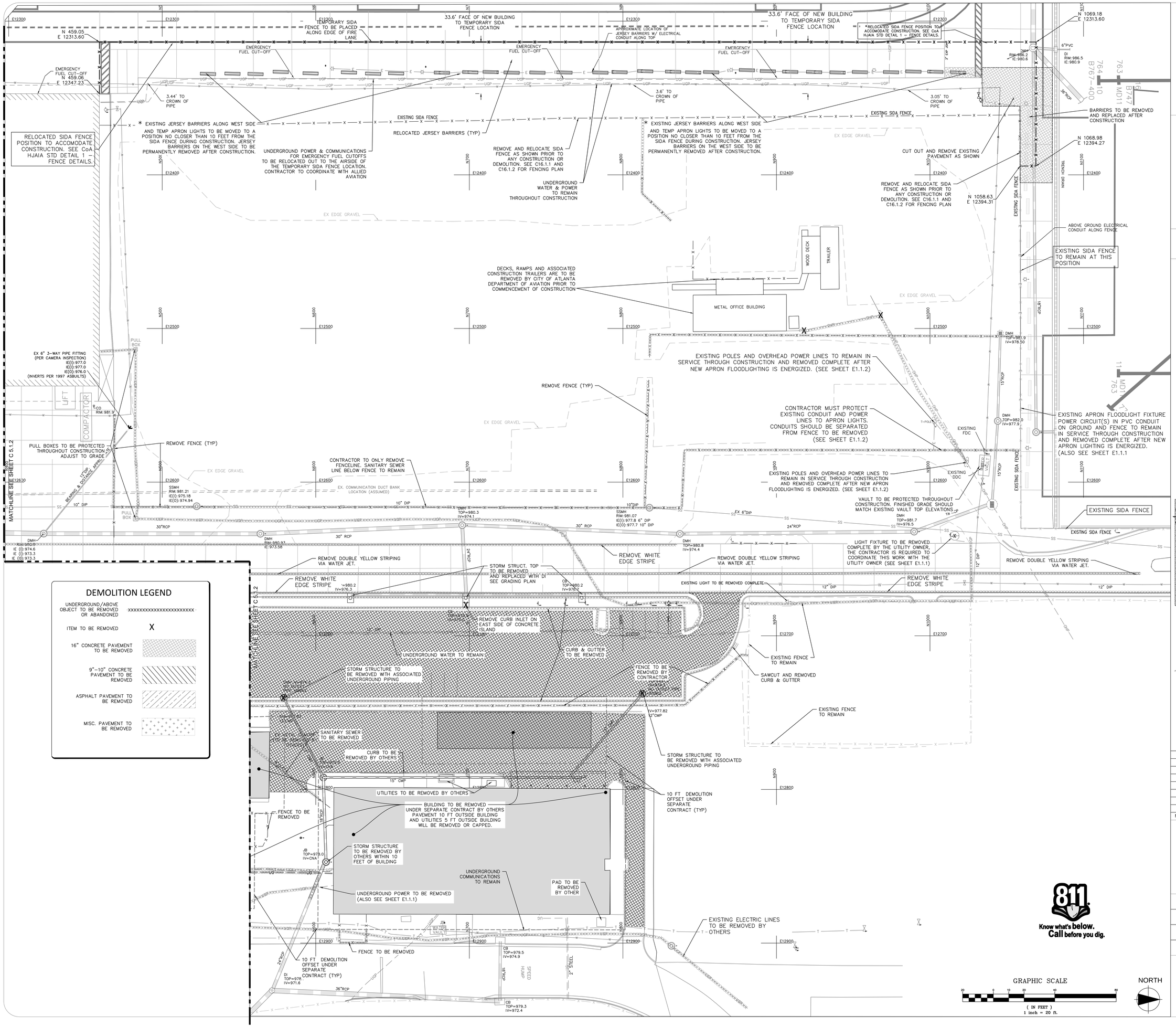

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AIR CARGO BUILDING C

DEMOLITION PLAN

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SEAL	SHEET NO: C 5.1.1

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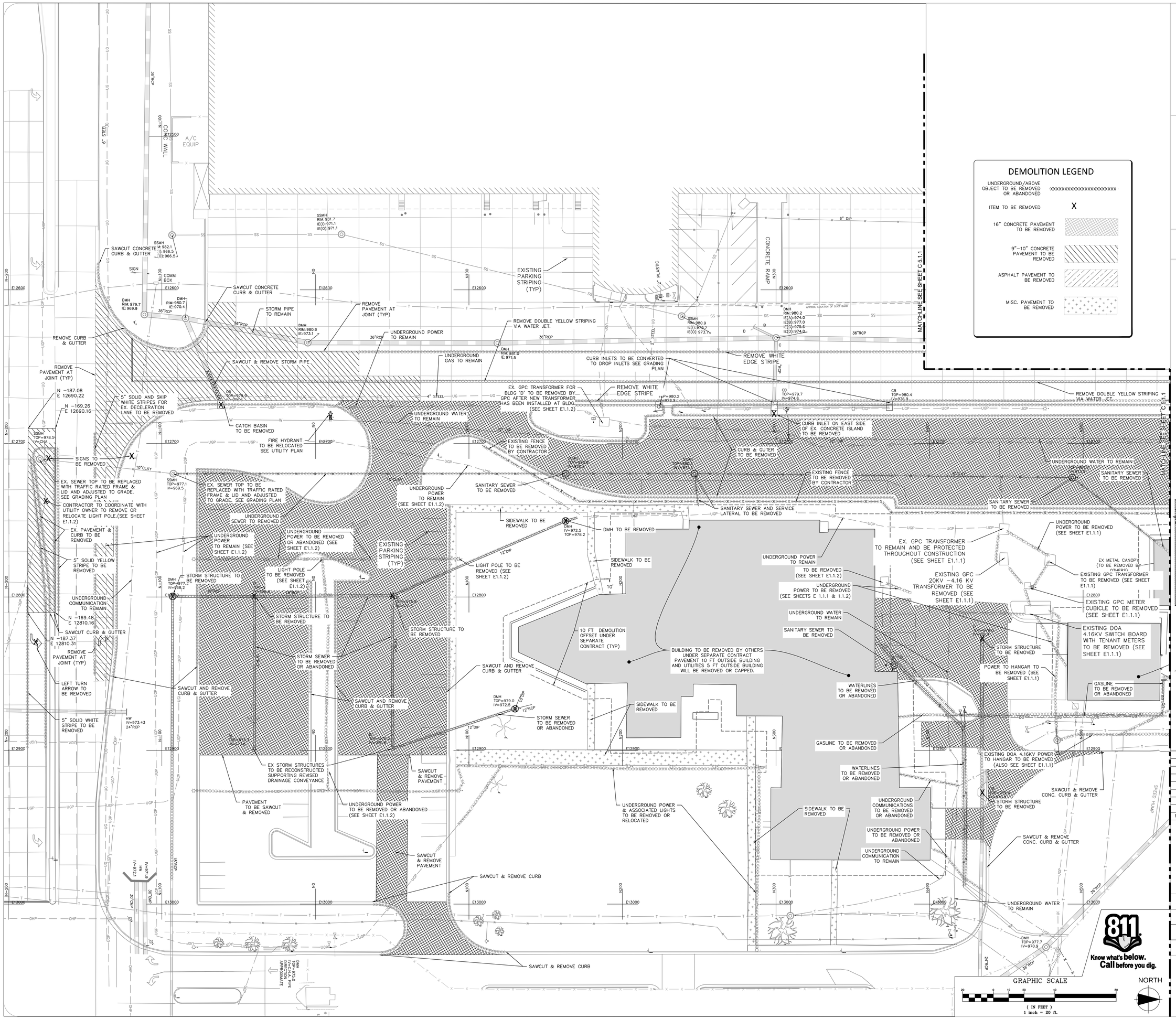

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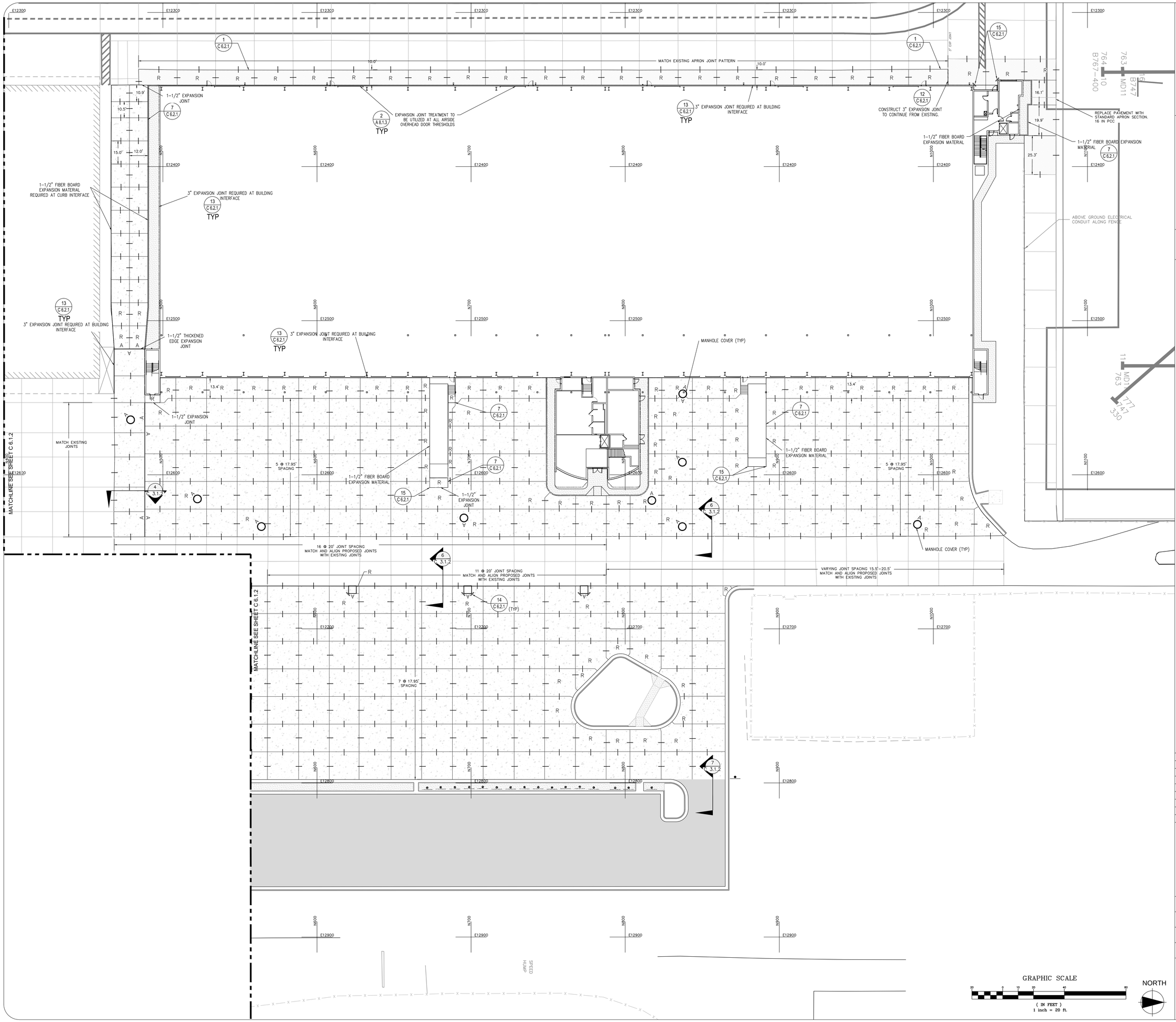
SEAL



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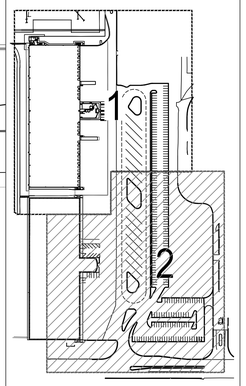
A	THICKENED EDGE EXPANSION JOINT	4 / C 3.1.2
R	REINFORCED CONCRETE SLAB	1 - 5 / C 6.2.1
I	SMOOTH DOWEL CONSTRUCTION / CONTRACTION JOINT	1 / 2 / C 6.2.1
II	DEFORMED DOWEL CONSTRUCTION / CONTRACTION JOINT	3 / 4 / C 6.2.1
		3 / C 3.1.2
		2 / C 3.1.2
		1 / C 3.1.2



KEY MAP

NORTH

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AIR CARGO BUILDING C

PAVEMENT JOINT PLAN

WBS NUMBER: D.07.55.009	DRAWN BY: EGS
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EX BLDG D
CONCRETE
PANEL WAREHOUSE

TRANSFORMER PAD CUT OUT AND TRENCH. SEE DETAIL 16/C 6.2.1

OVERHANG

CONCRETE PANEL WAREHOUSE BLDG D

CONCRETE RAMP

MATCHLINE SEE SHEET C 6.1.1

SIGN

COMM BOX

CONC WALL

18.4'

6 @ 20' JOINT SPACING

MATCH EXISTING JOINT SPACING (TYP)

24 @ 20' JOINT SPACING MATCH AND ALIGN PROPOSED JOINTS WITH EXISTING JOINTS

6 @ 30' SPACING

12'

4 @ 15' SPACING

7 @ 20' SPACING

10 @ 20' SPACING

7 @ 17.95' SPACING

1 @ 25.8" SPACING

E-12902.94

N-40.15

N-60.15

OHP

GRAPHIC SCALE

(IN FEET)
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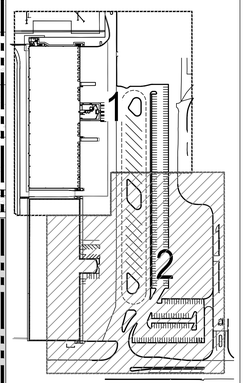
A	THICKENED EDGE EXPANSION JOINT	4 / C 6.2.1
R	REINFORCED CONCRETE SLAB	1-5 / C 6.2.1
|	SMOOTH DOWEL CONSTRUCTION / CONTRACTION JOINT	1 / 2 / C 6.2.1
||	DEFORMED DOWEL CONSTRUCTION / CONTRACTION JOINT	3 / 4 / C 6.2.1
		3 / C 3.1.2
		2 / C 3.1.2
		7 / C 3.1.2



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SEAL	SHEET NO. C 6.1.2

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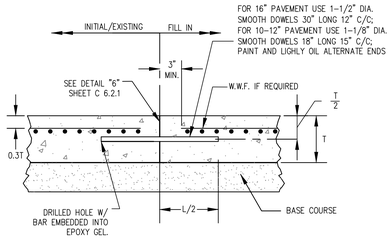
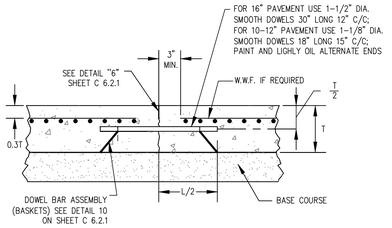
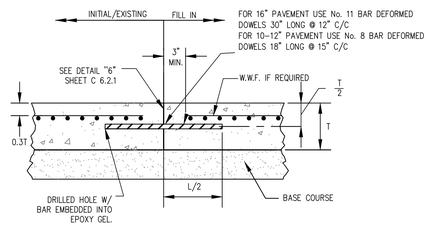


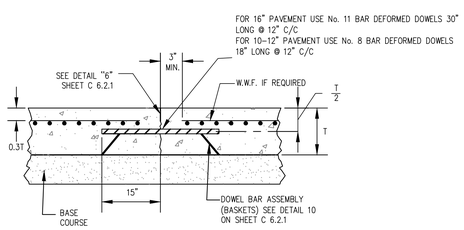
1 / C 6.2.1 SMOOTH DOWELED LONGITUDINAL CONSTRUCTION JOINT
SCALE: NTS



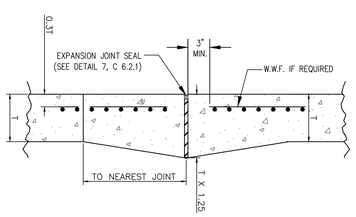
2 / C 6.2.1 SMOOTH DOWELED TRANSVERSE CONTRACTION JOINT
SCALE: NTS



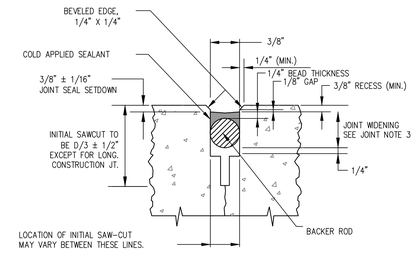
3 / C 6.2.1 DEFORMED DOWELED LONGITUDINAL CONSTRUCTION JOINT
SCALE: NTS



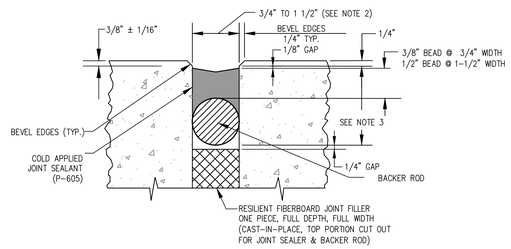
4 / C 6.2.1 DEFORMED DOWELED TRANSVERSE CONTRACTION JOINT
SCALE: NTS



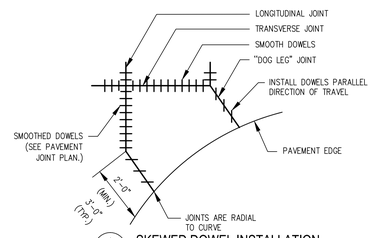
5 / C 6.2.1 THICKENED EDGE EXPANSION JOINT
SCALE: NTS



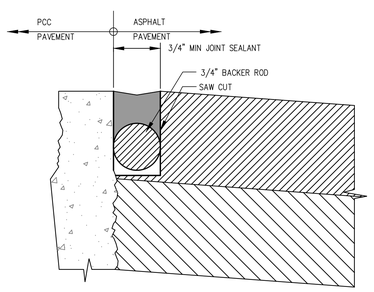
6 / C 6.2.1 LONGITUDINAL OR TRANSVERSE JOINT SEAL DETAIL "A"
SCALE: NTS



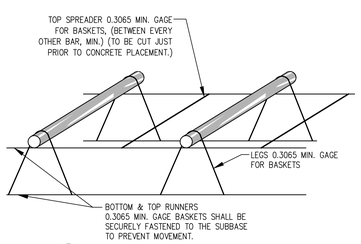
7 / C 6.2.1 EXPANSION JOINT SEAL DETAIL "B"
SCALE: NTS



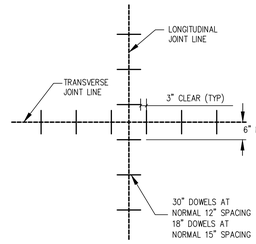
8 / C 6.2.1 SKEWED DOWEL INSTALLATION
Scale: NTS



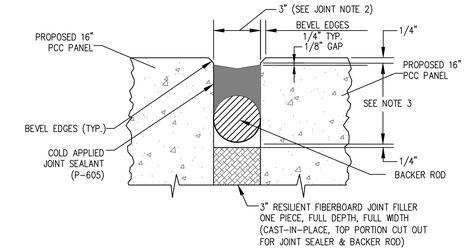
9 / C 6.2.1 ASPHALT / PCC PAVEMENT JOINT DETAIL
Scale: NTS



10 / C 6.2.1 TYPICAL DOWEL BAR BASKET
Scale: NTS

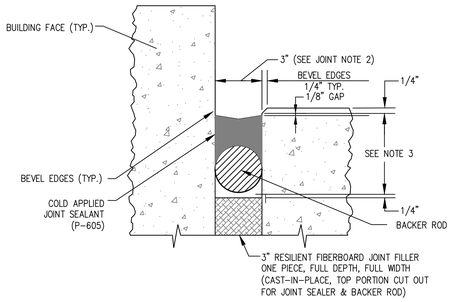


11 / C 6.2.1 DETAIL FOR DOWEL SPACING AT JOINT CORNERS
SCALE: NTS



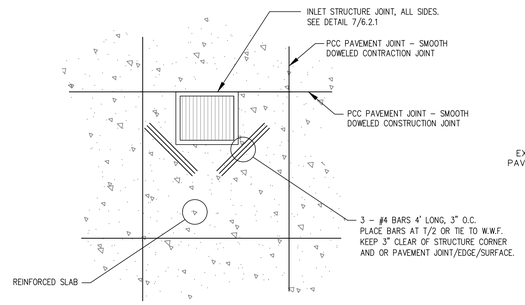
NOTE: REFERENCE ARCHITECTURAL PLANS FOR JOINT PROTECTION AT BUILDING/AIRSIDE PAVEMENT INTERFACE.

12 / C 6.2.1 EXTENDED 3" EXPANSION JOINT - AIRSIDE
SCALE: NTS

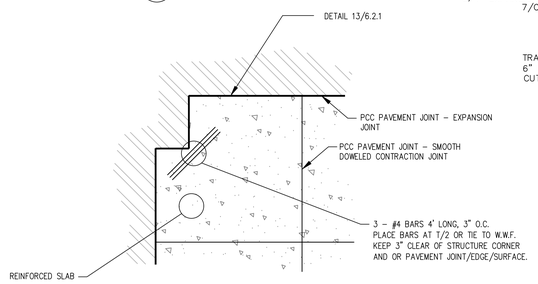


NOTE: REFERENCE ARCHITECTURAL PLANS FOR JOINT PROTECTION AT BUILDING/AIRSIDE PAVEMENT INTERFACE.

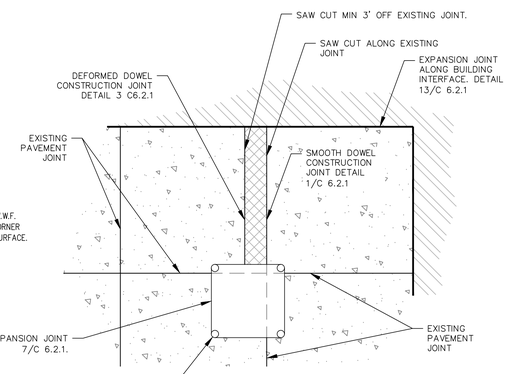
13 / C 6.2.1 EXPANSION JOINT SEAL
SCALE: NTS



14 / C 6.2.1 RECTANGULAR DRAINAGE STRUCTURE /PCC SLAB REINFORCING DETAIL
SCALE: NTS



15 / C 6.2.1 SLAB CORNER REINFORCING
SCALE: NTS



NOTE: REPLACE TRENCH CUT PCC WITH REINFORCED P-501. 9" MIN.

16 / C 6.2.1 TRANSFORMER PAD CUT OUT AND TRENCH
SCALE: NTS

GENERAL NOTES

1. FOR ALL JOINTS, BACKER ROD MATERIAL SHALL BE COMPATIBLE WITH THE SEALANT AND SLIGHTLY OVERSIZED TO PREVENT MOVEMENT DURING THE JOINT SEALANT OPERATION.
2. THE WIDTH OF THE JOINTS SHALL BE CORRECTED FOR 68°F.
3. JOINT CONFIGURATION SHALL MEET JOINT SEAL MANUFACTURER'S SPECIFICATIONS (EXCEPT AS NOTED ON PLANS OR SPECIFICATIONS).
4. ALL DOWEL BARS ARE TO BE INSTALLED WITH BASKETS FOR TRANSVERSE JOINTS.

DOWEL AND TIE BAR HOLE DRILLING AND INSTALLATION NOTES

5. DRILLING AND INSTALLATION METHOD SHALL BE CAPABLE OF MAINTAINING DRILL HOLES AND EMBEDDED BARS:

   A. PARALLEL TO THE CONCRETE SURFACE, AND
   B. NORMAL TO THE JOINT LINE, WITHIN 1/4" AT THE END OF THE DOWEL OR TIE BAR EXCEPT WHERE SPECIFIED OTHERWISE.

   DRILL HOLES SHALL BE ACCURATELY LAID OUT SO THAT THE MAXIMUM DEVIATION DOES NOT EXCEED 1". DRILL HOLE DIAMETER TO BE APPROXIMATELY 1/8" CLEAR OF BAR ALL AROUND.

6. AFTER THE DRILLING IS COMPLETE AND PRIOR TO INSTALLATION OF THE DOWEL OR TIE BARS, THE HOLES SHALL BE THOROUGHLY CLEANED TO REMOVE DRILLING DUST, CONCRETE CHIPS, AND ANY MATERIAL DETRIMENTAL TO BONDING
7. EPOXY GEL SHALL BE APPLIED TO THE DOWEL AND SUFFICIENT GEL INJECTED IN THE BACK OF THE TIE BAR HOLE BY A MECHANICAL MIXING/PUMP DEVICE, SO THAT A SLIGHT AMOUNT OF GEL WILL BE FORCED OUT WHEN THE DOWEL OR TIE BAR IS INSERTED AND TAPPED TO THE CORRECT POSITION. IT WILL BE NECESSARY TO TWIST THE BAR BACK AND FORTH SEVERAL TIMES TO ELIMINATE THE AIR ENTRAPPED IN THE HOLE. SMALL WEDGES MAY BE USED TO SUPPORT THE DOWEL OR TIE BAR IN CORRECT ALIGNMENT UNTIL THE GEL HARDENS.
8. EPOXY SHALL MEET THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, SECTION 886 FOR TYPE VIII EPOXY GEL.
9. REINFORCING WELDED WIRE FABRIC
   DEFORMED WELDED WIRE FABRIC (FOR IRREGULAR OR ODD SHAPED SLABS)

   AS NOTED ON PLANS
   LONGITUDINAL D6, 6" C. TO C.
   TRANSVERSE D6, 6" C. TO C.

   ALL STEEL TO BE DELIVERED IN FLAT SHEETS.

DOWEL BAR BASKET NOTES

10. WIRE USED IN BASKETS SHALL CONFORM TO ASTM-A82 COLD DRAWN WIRE.
11. DOWEL BAR ATTACHMENT MAY BE FABRICATED BY ARC OR RESISTANCE TYPE WELDING.
12. WIRE FRAME MEMBERS SHALL BE RESISTANCE WELDED EXCEPT FOR SPREADER WIRES WHICH MAY BE ARC WELDED.
13. DOWEL BASKETS SHALL BE TAPERED TO ACCOMMODATE THICKENED EDGE PAVEMENT.

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FAX: 770.321.3935

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

JOINT DETAILS

WBS NUMBER: D.07.55.009	DRAWN BY: EGS
FC NUMBER: FC-6006007929-A	DESIGNED BY: EGS
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: SLK
	APPROVED BY:
	DATE: 11/25/2014
	SCALE: N.T.S.
SEAL	SHEET NO: **C 6.2.1**

NOT ISSUED FOR CONSTRUCTION

CARGO BUILDING C (SEE ARCHITECTURAL)

FACE OF BUILDING E 12347.17

FACE OF BUILDING S 497.38

FACE OF BUILDING N 1026.38

FACE OF BUILDING E 12537.00

FFE = 986.1

RAMP OPS FFE = 986.1

FFE = 982.6

OVERHANG

SEE SHEET P1.1.1 FOR TIE-IN FROM ROOF LEADER

EXISTING DROP INLET 981.93

EXISTING DROP INLET 980.90

ADJUST TOP OF EXISTING STORM MANHOLE TO PROPOSED GRADE

INSTALL MH. SET TOP TO GRADE 981.79

ADJUST RIM TO GRADE 981.05

ADJUST RIM TO GRADE 980.68

ADJUST RIM TO GRADE 980.36

ADJUST RIM TO GRADE 981.43

ADJUST RIM TO GRADE 980.88

ADJUST RIM TO GRADE 981.59

CONVERT EX. CURB INLET TO DROP INLET GDOT STD 1019A 979.92

CONVERT EX. CURB INLET TO DROP INLET GDOT STD 1019A 979.60

CONVERT EX. CURB INLET TO DROP INLET GDOT STD 1019A 979.91

MATCHLINE SEE SHEET C 9.1.2

MATCHLINE SEE SHEET C 9.1.2

24 IN. RCP

6 IN. DIP

EMERGENCY FUEL CUT-OFF

LIFT

COMPACTOR

KEY MAP

NORTH

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

NORTH

Know what's below. Call before you dig.

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FAX: 770.321.3935

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

GRADING AND DRAINAGE PLAN

WBS NUMBER: D.07.55.009	DRAWN BY: SEI/JCS
FC NUMBER: FC-6006007929-A	DESIGNED BY: SEI/JCS
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: SEI/CWE
	APPROVED BY:
	DATE: 11/25/2014
	SCALE: 1" = 20'
SEAL	SHEET NO: C 9.1.1

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

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Atlanta International Airport

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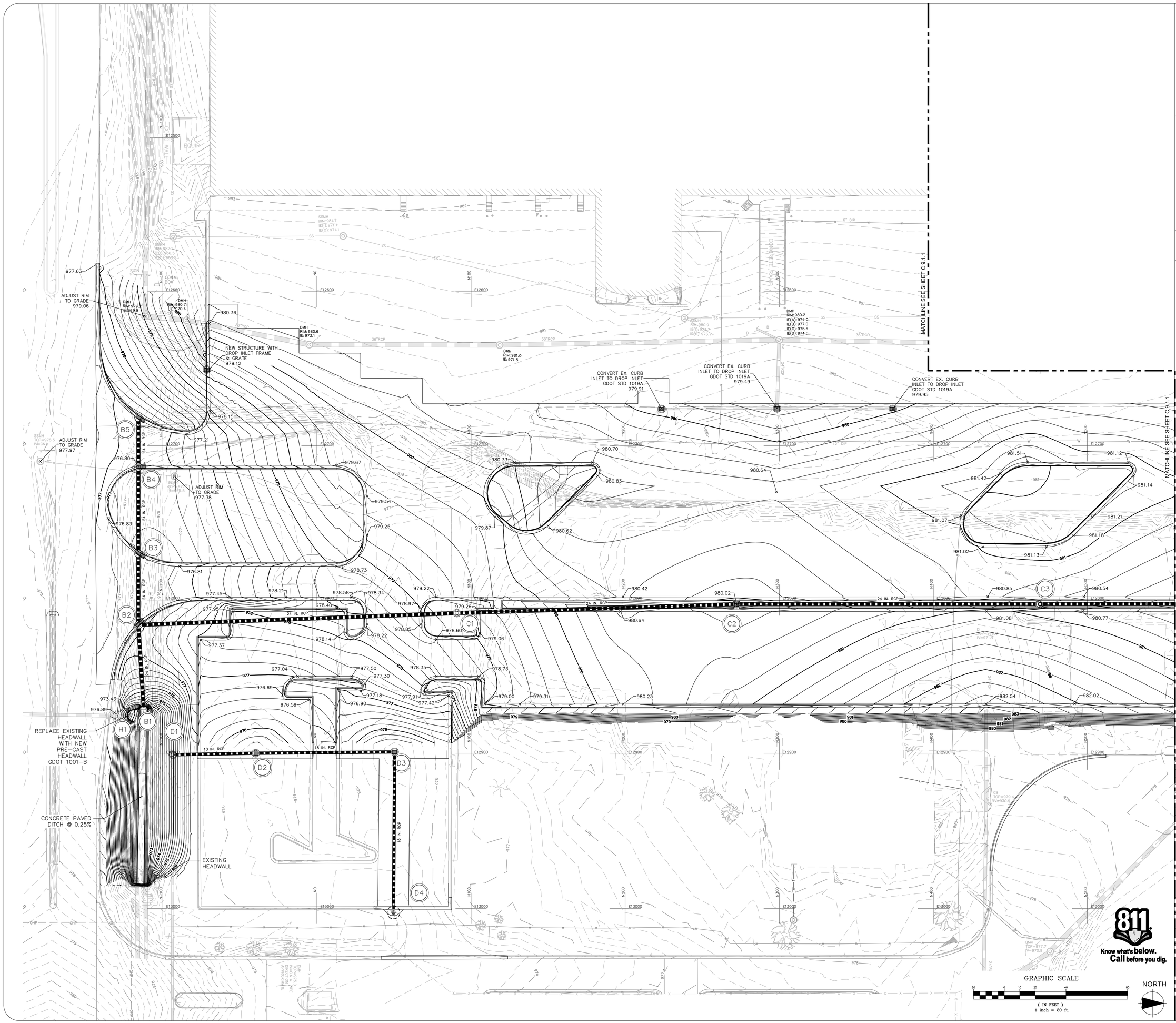
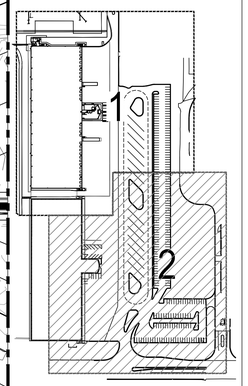
AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014





KEY MAP

NORTH

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

GRADING AND DRAINAGE PLAN

WBS NUMBER: D.07.55.009	DRAWN BY: SEI/JCS
FC NUMBER: FC-6006007929-A	DESIGNED BY: SEI/JCS
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: SEI/CWE
	APPROVED BY:
	DATE: 11/25/2014
	SCALE: 1" = 20'
	SHEET NO: C 9.1.2

SEAL

811 Know what's below. Call before you dig.

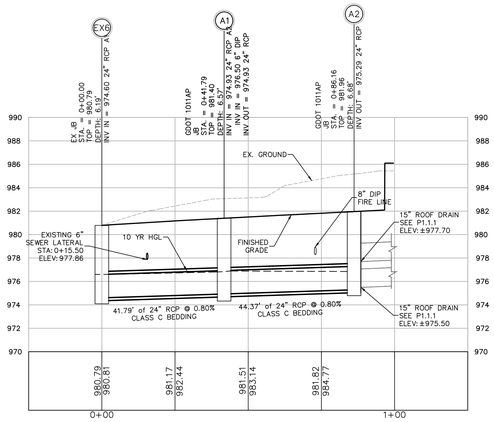
GRAPHIC SCALE

20 0 10 20 40 80

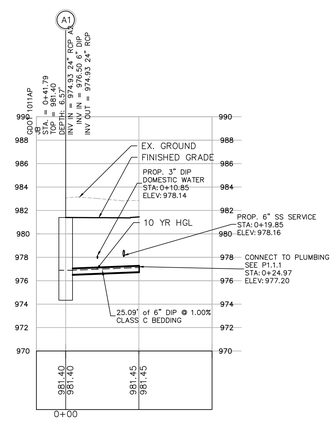
(IN FEET)
1 inch = 20 ft.

NORTH

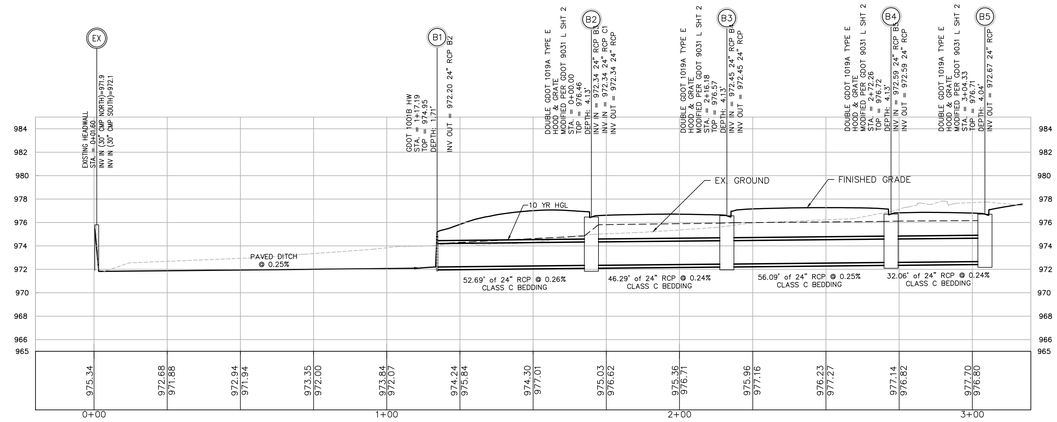
NOT ISSUED FOR CONSTRUCTION



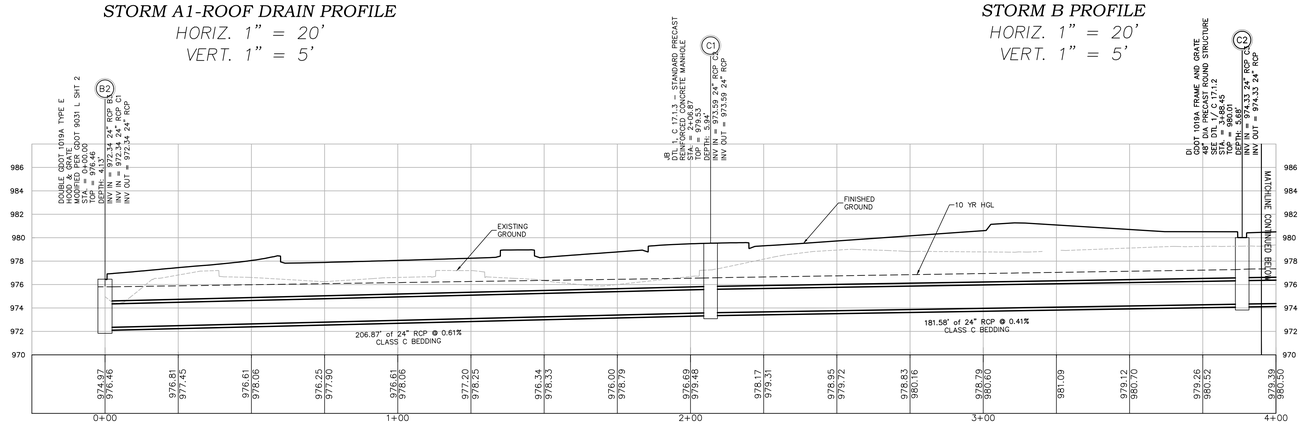
STORM A PROFILE
HORIZ. 1" = 20'
VERT. 1" = 5'



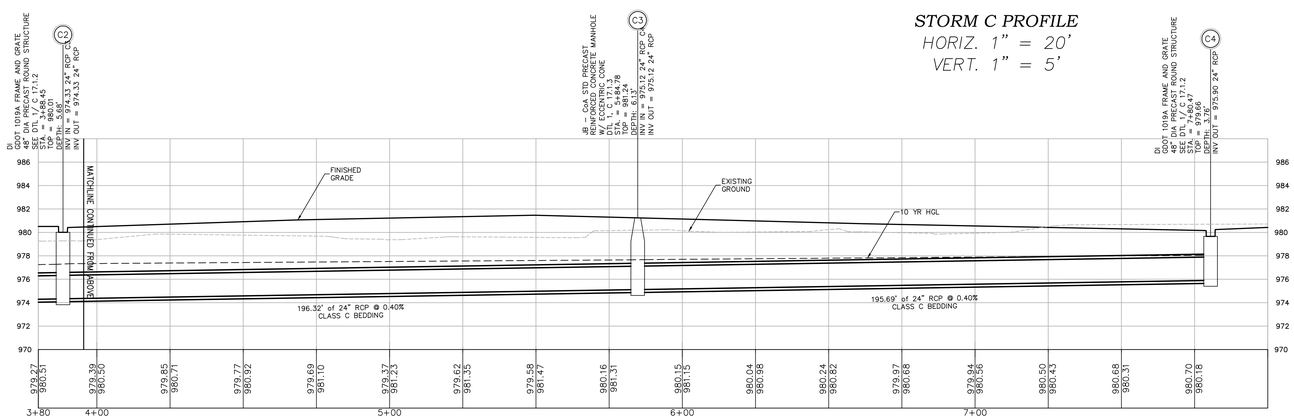
STORM A1-ROOF DRAIN PROFILE
HORIZ. 1" = 20'
VERT. 1" = 5'



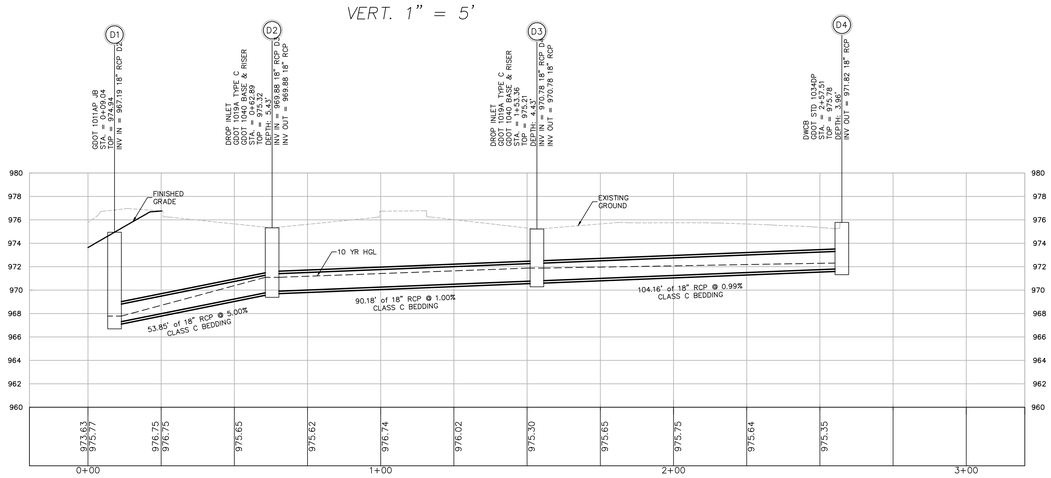
STORM B PROFILE
HORIZ. 1" = 20'
VERT. 1" = 5'



STORM C PROFILE
HORIZ. 1" = 20'
VERT. 1" = 5'



STORM C PROFILE
HORIZ. 1" = 20'
VERT. 1" = 5'



STORM D PROFILE
HORIZ. 1" = 20'
VERT. 1" = 5'

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AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

STORM AND SANITARY SEWER PROFILES

WBS NUMBER: D.07.55.009	DRAWN BY: SEI/JCS
FC NUMBER: FC-6006007929-A	DESIGNED BY: SEI/JCS
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: SEI/CWE
	APPROVED BY:
	DATE: 11/25/2014
	SCALE: 1" = 20'
SEAL	SHEET NO: C 12.1.1

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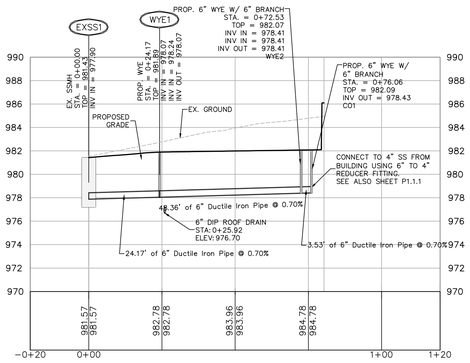
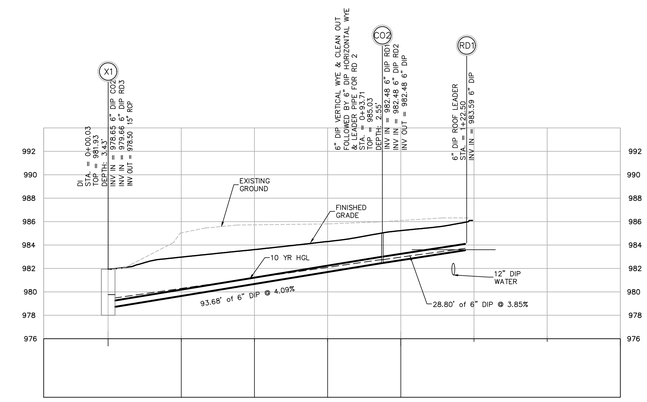
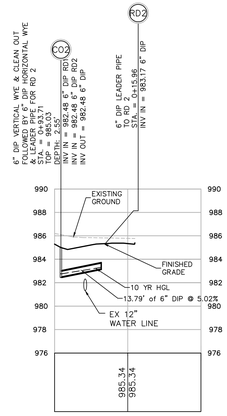
NOT ISSUED FOR CONSTRUCTION



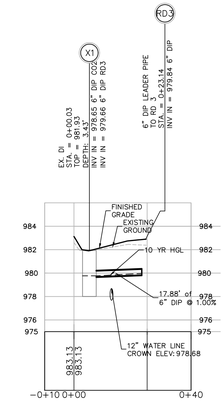
SANITARY SEWER PROFILE
HORIZ. 1" = 20'
VERT. 1" = 5'



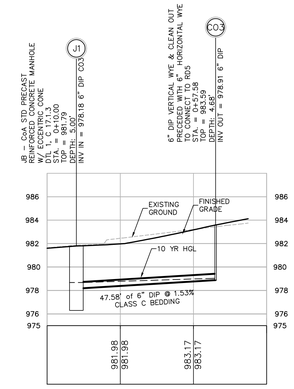
EX DI X1 - RD1 PROFILE
HORIZ. 1" = 20'
VERT. 1" = 5'



STORM CO2-RD2 PROFILE
HORIZ. 1" = 20'
VERT. 1" = 5'



STORM X1-RD3 PROFILE
HORIZ. 1" = 20'
VERT. 1" = 5'



STORM J - CO3 PROFILE
HORIZ. 1" = 20'
VERT. 1" = 5'

PIPE CHART

Line ID	Line Length (ft)	Incr.Area (ac)	TotalArea (ac)	Runoff Coeff. (C)	IncrC x A	Total C x A	Inlet Time (min)	Time Conc (min)	RnfallInt (in/hr)	Total Runoff (cfs)	AdnlFlow (cfs)	Total Flow (cfs)	Capac Full (cfs)	Veloc (ft/s)	Pipe Size (in)	Pipe Slope (%)	Inv ElevDn (ft)	Inv ElevUp (ft)	10 YR HGLDn (ft)	10 YR HGLUp (ft)	Grnd/ Rim Dn (ft)	Grnd/RimUp (ft)
B1-B2	52.686	0.16	4.47	0.73	0.12	3.91	5	8.6	6.3	24.72	0	24.72	11.66	7.87	24	0.27	972.2	972.34	974.2	974.83	974.95	976.46
B2-C1	206.87	0	2.24	0	0	2.08	0	7.8	6.5	13.55	0	13.55	17.58	4.31	24	0.6	972.34	973.59	975.79	976.53	976.46	979.53
C1-C2	181.58	0.79	2.24	0.93	0.73	2.08	5	7.1	6.7	13.88	0	13.88	14.44	4.42	24	0.41	973.59	974.33	976.58	977.26	979.53	980.01
C2-C3	196.32	0	1.45	0	0	1.35	0	6	6.9	9.37	0	9.37	14.35	2.98	24	0.4	974.33	975.12	977.31	977.64	980.01	981.24
C3-C4	195.7	1.45	1.45	0.93	1.35	1.35	5	5	7.2	9.76	0	9.76	14.28	3.11	24	0.4	975.12	975.9	977.67	978.03	981.24	979.66
B2-B3	46.29	0.41	2.07	0.67	0.27	1.71	5	5.5	7.1	12.13	0	12.13	11.02	3.86	24	0.24	972.34	972.45	975.79	975.93	976.46	976.58
B3-B4	56.088	0.34	1.66	0.84	0.29	1.43	5	5.2	7.2	10.3	0	10.3	11.3	3.28	24	0.25	972.45	972.59	975.96	976.08	976.58	976.72
B4-B5	32.063	1.32	1.32	0.87	1.15	1.15	5	5	7.2	8.31	0	8.31	11.29	2.65	24	0.25	972.59	972.67	976.1	976.15	976.72	976.71
D1-D2	53.848	0.3	1.75	0.91	0.27	1.42	5	6	7	9.85	0	9.85	23.47	9.55	18	5	967.19	969.88	967.87	971.09	974.94	975.32
D2-D3	90.178	1.14	1.45	0.8	0.91	1.14	5	5.8	7	8.04	0	8.04	10.49	5.53	18	1	969.88	970.78	971.09	971.88	975.32	975.21
D3-D4	104.16	0.31	0.31	0.75	0.23	0.23	5	5	7.2	1.68	0	1.68	10.49	2.3	18	1	970.78	971.82	971.88	972.31	975.21	975.78
EX6-A1	41.79	0	2.54	0	0	2.41	0	5.1	7.3	17.7	0	17.7	20.1	5.7	24	0.79	974.6	974.93	976.6	976.81	980.79	981.32
A1-A2	44.37	2.46	2.46	0.95	2.34	2.34	5	5	7.4	17.24	0	17.24	20.37	6.22	24	0.81	975	975.36	976.89	976.85	981.32	981.96
A1-RD4	25.091	0.08	0.08	0.95	0.08	0.08	5	5	7.4	0.56	0	0.56	0.61	3.44	6	1	976.5	976.75	976.89	977.13	981.32	0
X1-RD3	17.88	0.01	0.01	0.95	0.01	0.01	5	5	7.4	0.07	0	0.07	0.61	1.9	6	1.01	979.66	979.84	979.77	979.97	981.91	982.78
X1 - CO2	93.68	0	0.02	0	0	0.02	0	5.3	7.3	0.14	0	0.14	1.24	1.4	6	4.09	978.65	982.48	979.48	982.76	981.91	984.87
CO2-RD2	13.79	0.01	0.01	0.95	0.01	0.01	5	5	7.4	0.07	0	0.07	1.26	1.4	6	5	982.48	983.17	982.76	983.3	984.87	985.4
CO2 - RD1	28.8	0.01	0.01	0.95	0.01	0.01	5	5	7.4	0.07	0	0.07	1.14	1.4	6	3.85	982.48	983.59	982.76	983.72	984.87	985.49
J1-CO3	47.58	0.01	0.01	0.95	0.01	0.01	5	5	7.4	0.07	0	0.07	0.75	0.36	6	1.53	978.18	978.91	982.69	982.7	981.81	983.64

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FAX: 770.321.3935

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

STORM AND SANITARY DRAINAGE PROFILES

WBS NUMBER: D.07.55.009	DRAWN BY: SEI/JCS
FC NUMBER: FC-6006007929-A	DESIGNED BY: SEI/JCS
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: SEI/CWE
	APPROVED BY:
	DATE: 11/25/2014
	SCALE: 1" = 20'
SEAL	SHEET NO: C 12.1.2

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

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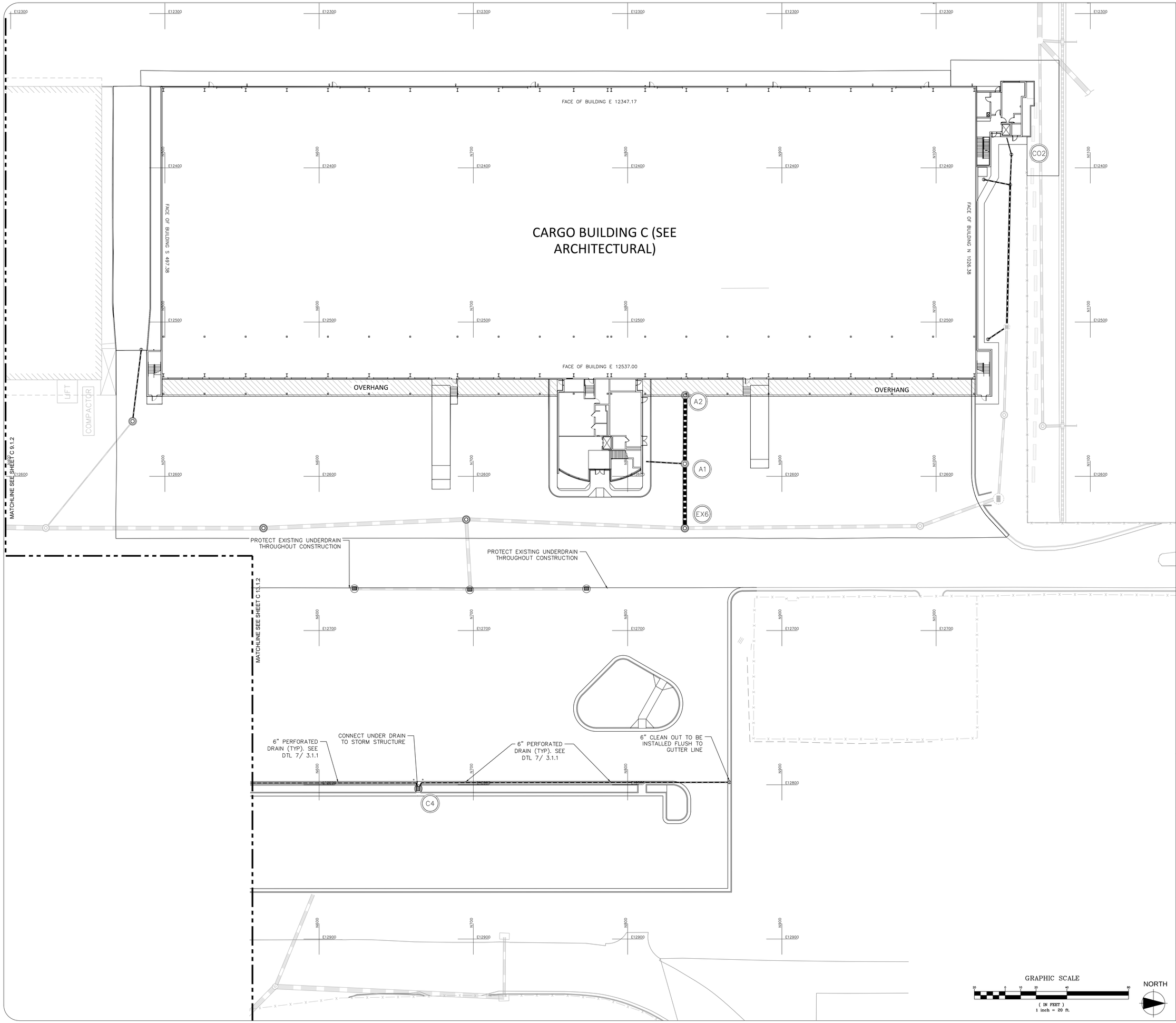

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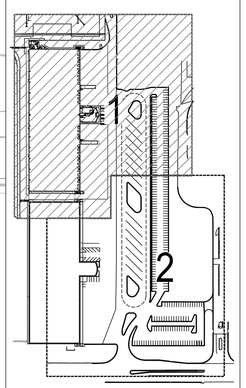


KEY MAP

NORTH

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

UNDERDRAIN PLAN

WBS NUMBER: D.07.55.009	DRAWN BY: SEI/JCS
FC NUMBER: FC-6006007929-A	DESIGNED BY: SEI/JCS
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: SEI/CWE
	APPROVED BY:
	DATE: 11/25/2014
	SCALE: 1" = 20'
	SHEET NO: **C 13.1.1**

SEAL

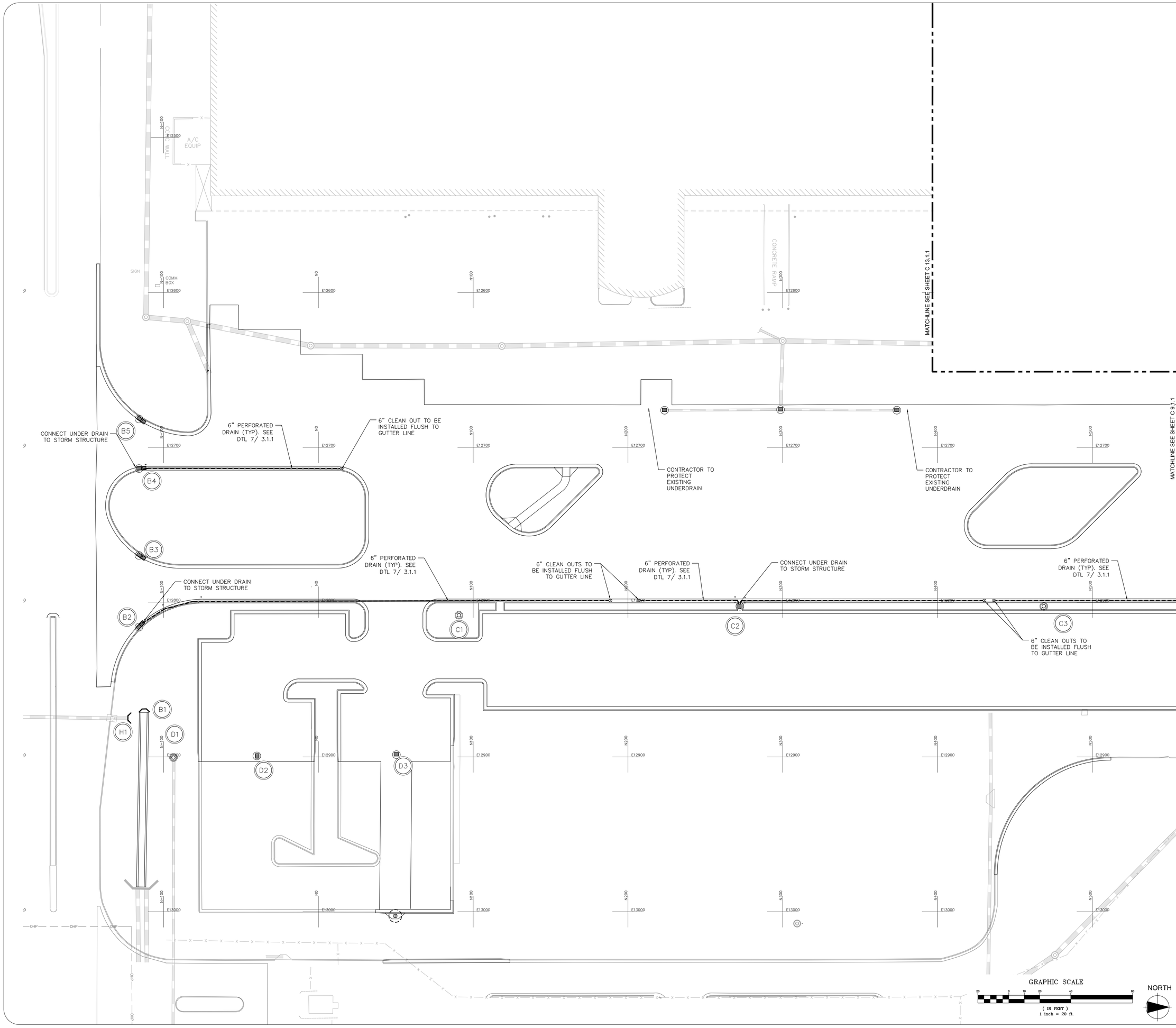
GRAPHIC SCALE

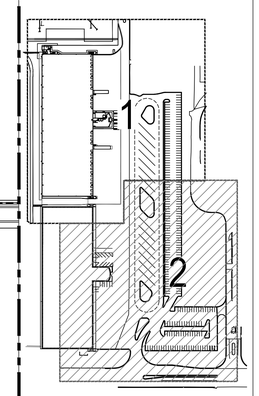
20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

NORTH

NOT ISSUED FOR CONSTRUCTION





KEY MAP

NORTH

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UNDERDRAIN PLAN

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	SCALE: 1" = 20'
	SHEET NO: C 13.1.2

SEAL

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

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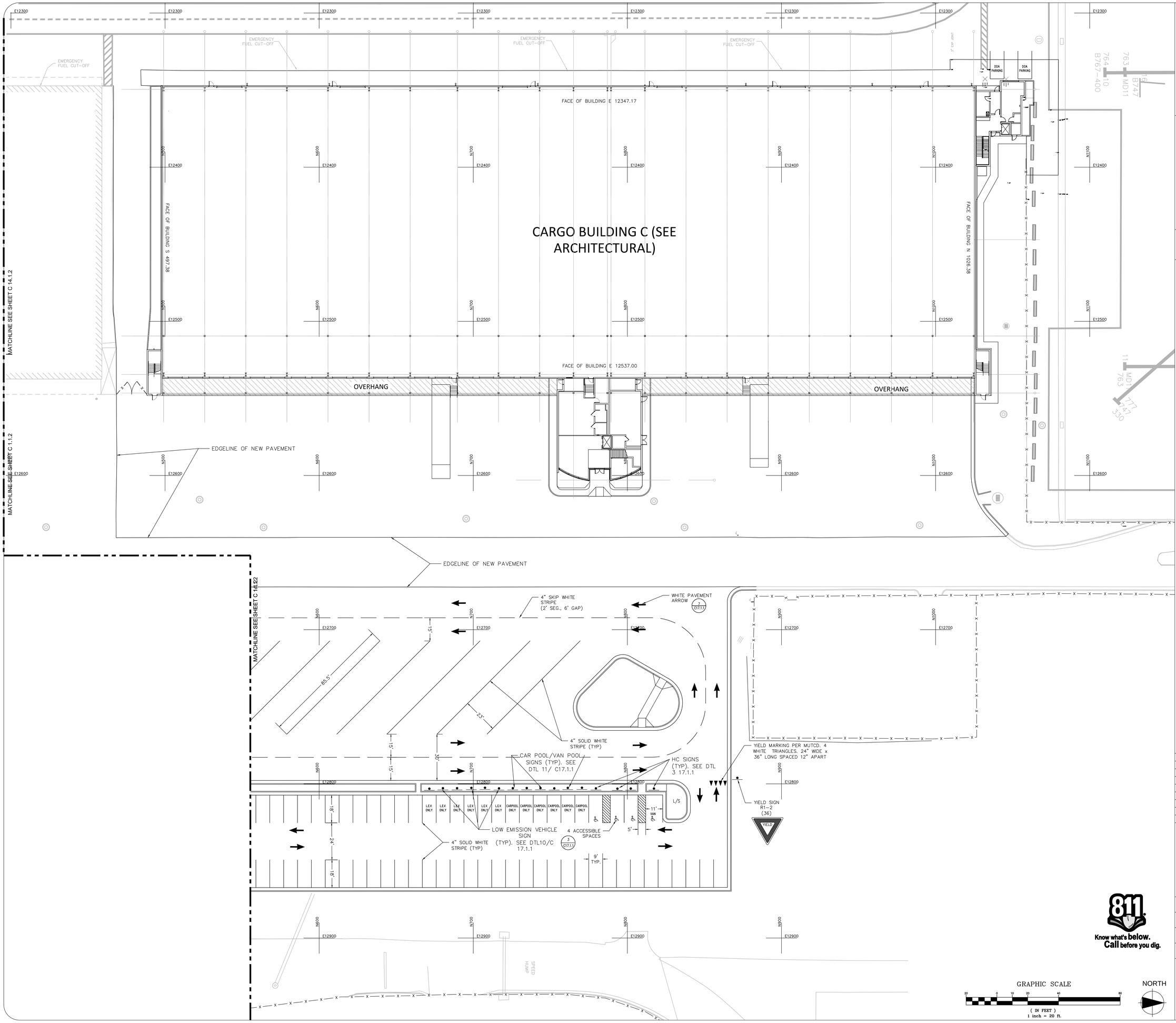

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AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

KEY MAP

NORTH

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

STRIPING AND SIGNAGE PLAN

WBS NUMBER: D.07.55.009	DRAWN BY: SEI/JCS
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A/E PROJECT NUMBER: HII-0730621	CHECKED BY: SEI/CWE
	APPROVED BY:
	DATE: 11/25/2014
	SCALE: 1" = 20'
SEAL	SHEET NO: C 14.1.1

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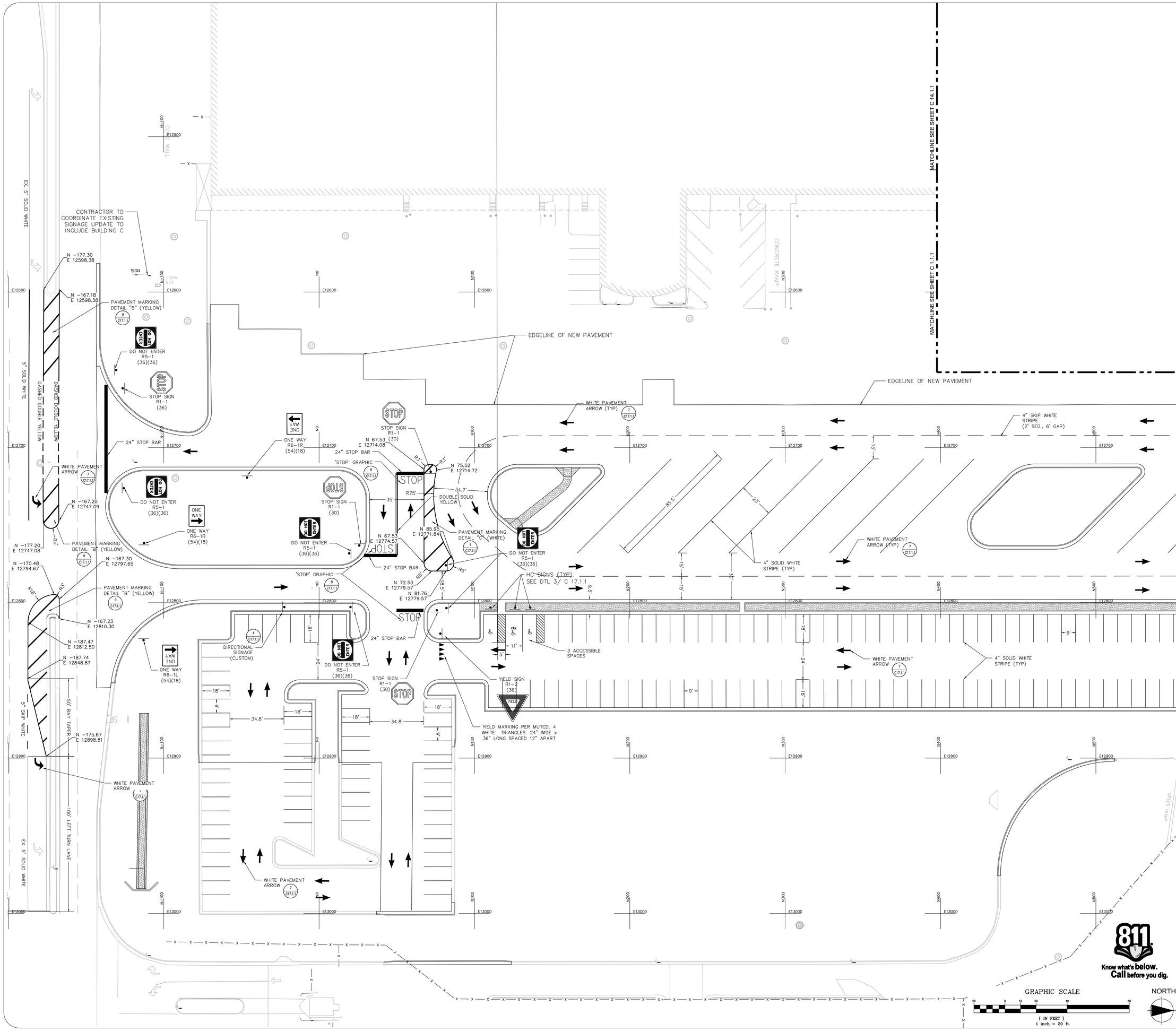
GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

NORTH

NOT ISSUED FOR CONSTRUCTION



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AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

KEY MAP

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

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	SHEET NO: C 14.1.2

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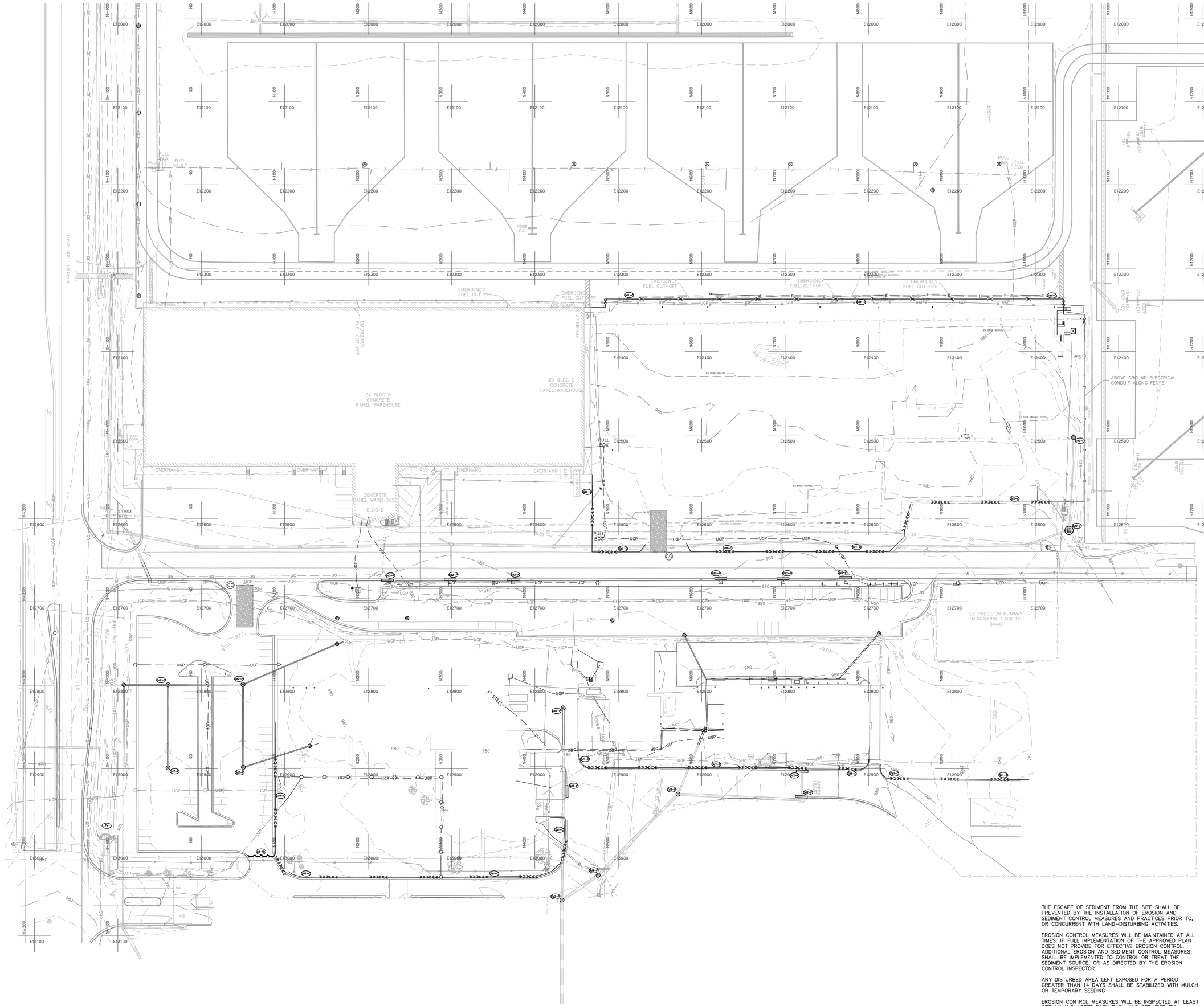

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH LAND-DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE, OR AS DIRECTED BY THE EROSION CONTROL INSPECTOR.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING

EROSION CONTROL MEASURES WILL BE INSPECTED AT LEAST WEEKLY AND AFTER EACH RAIN, AND REPAIRED BY GENERAL CONTRACTOR. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ONSITE INSPECTION.

GRAPHIC SCALE

40 0 40 80

(IN FEET)
1 inch = 40 ft.

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AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

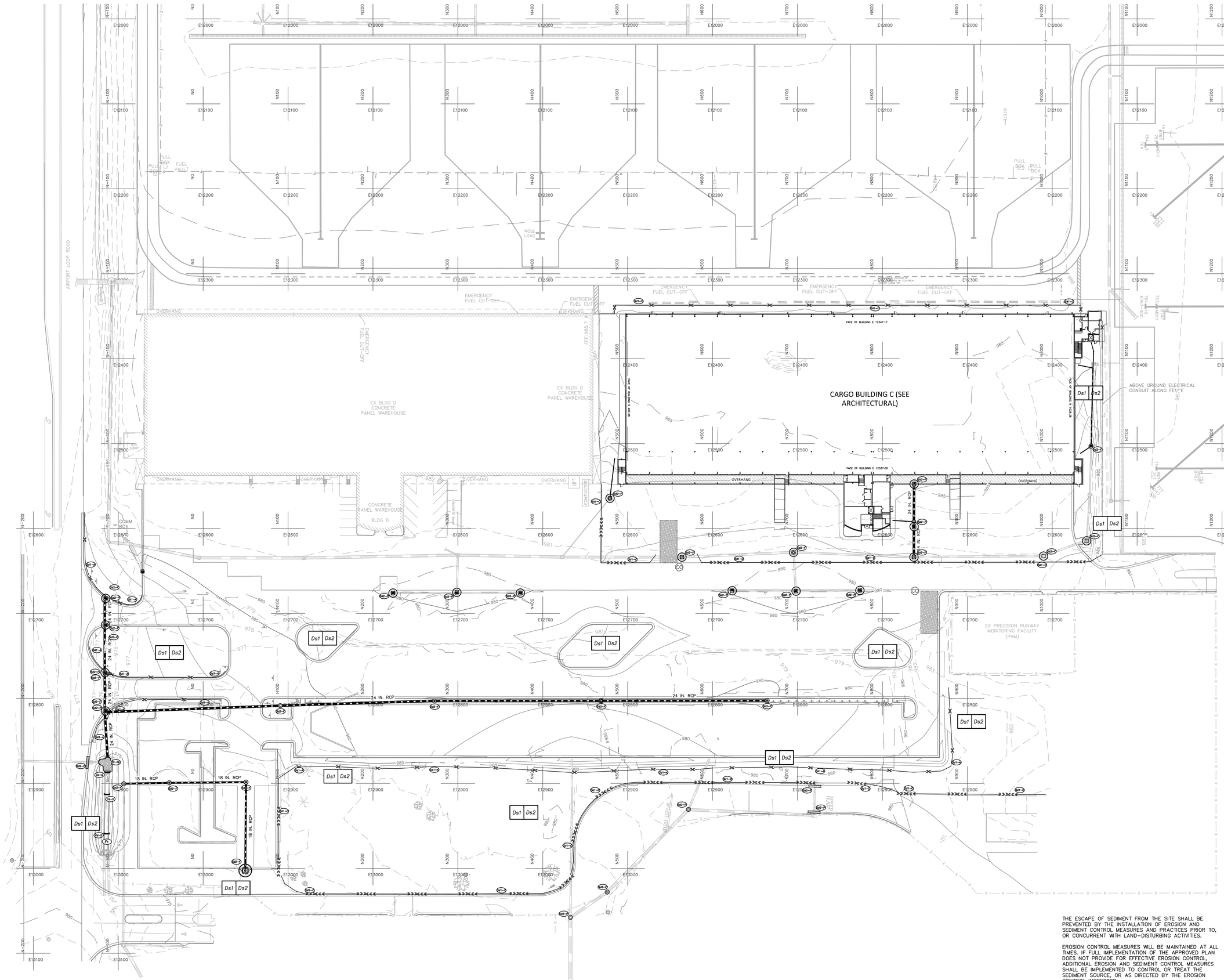
NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

PHASE 1 ESPC PLAN

WBS NUMBER: D.07.55.009	DRAWN BY: SEI/JCS
FC NUMBER: FC-6006007929-A	DESIGNED BY: SEI/JCS
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: SEI/CWE
	APPROVED BY:
	DATE: 11/25/2014
	SCALE: 1" = 20'
SEAL	SHEET NO: **C 15.1.1**

NOT ISSUED FOR CONSTRUCTION



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(IN FEET)
1 inch = 40 ft.

NORTH

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FAX: 770.321.3935

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

PHASE 2 ESPC PLAN

WBS NUMBER: D.07.55.009	DRAWN BY: SEI/JCS
FC NUMBER: FC-6006007929-A	DESIGNED BY: SEI/JCS
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: SEI/CWE
	APPROVED BY:
	DATE: 11/25/2014
	SCALE: 1" = 20'
SEAL	SHEET NO: **C 15.2.1**

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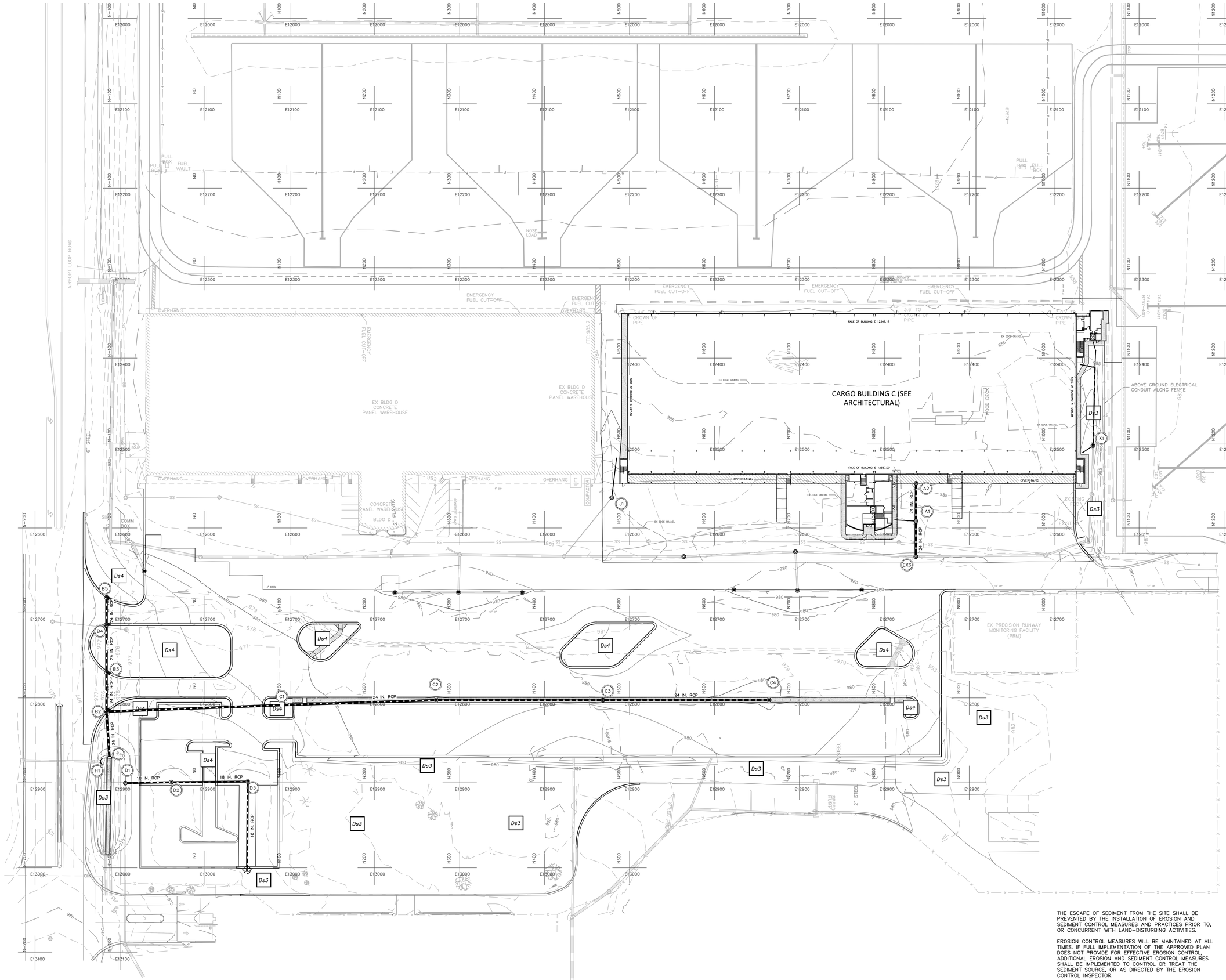

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AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

PHASE 3 ESPC PLAN

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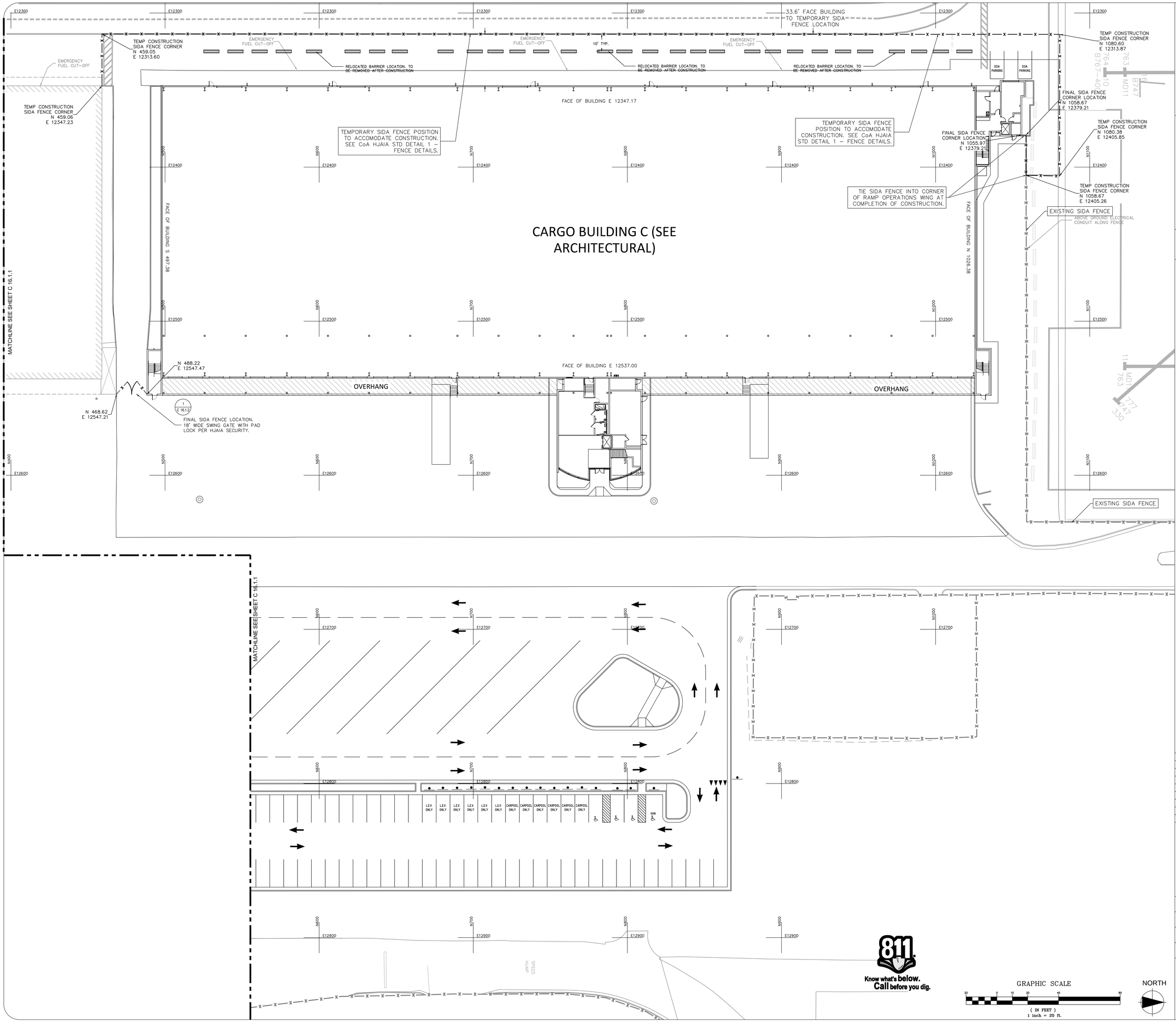
SEAL	SHEET NO: **C 15.3.1**

NOT ISSUED FOR CONSTRUCTION



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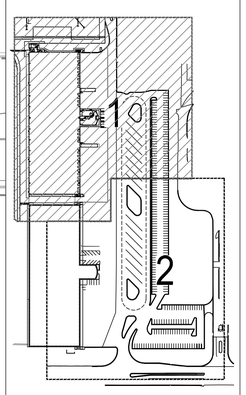
FAX: 770.321.3935

NOTES:

UPON CONSTRUCTION CLOSEOUT, THE SIDA FENCE AND SWING GATE SHALL BE INSTALLED AT ITS FINAL PROPOSED LOCATION. THE TEMPORARY SIDA FENCE WHICH WAS INSTALLED FOR CONSTRUCTION MAY THEN BE REMOVED AND DISMANTLED.

JERSEY BARRIERS AT THE WEST OF THE STRUCTURE SHALL BE REMOVED FROM THE SITE. JERSEY BARRIERS MAY BE RETURNED TO HJAIA MAINTENANCE.



KEY MAP

NORTH

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

FENCING PLAN

WBS NUMBER: D.07.55.009	DRAWN BY: SEI/JCS
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SEAL	SHEET NO: C 16.1.1

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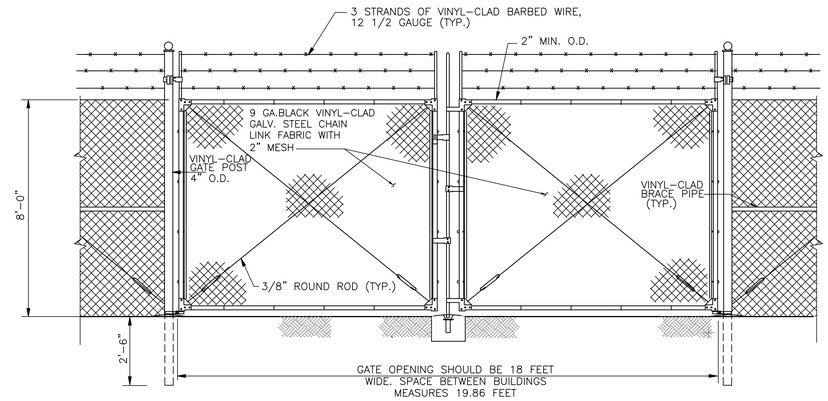
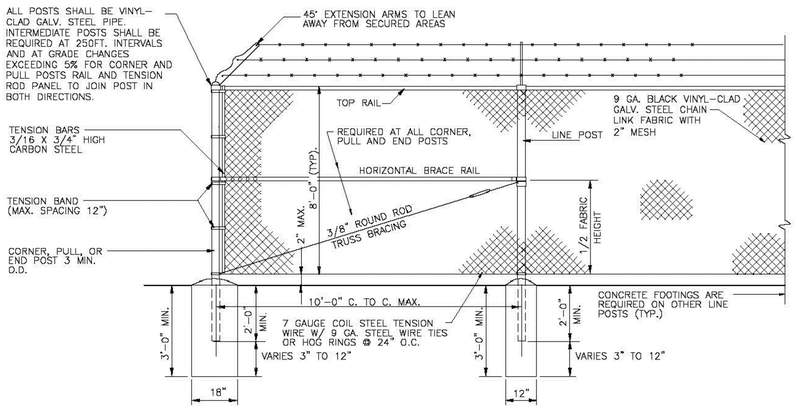
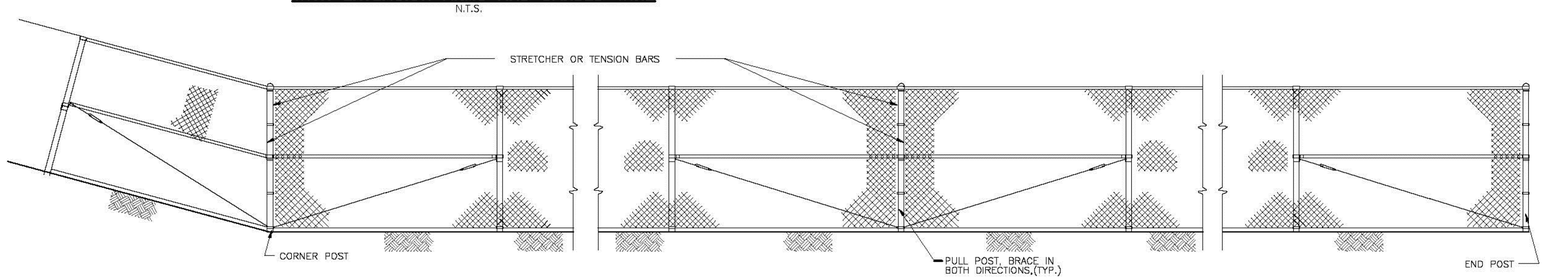


1 / C 16.2.1 HJAIA SIDA STANDARD SWING GATE
SCALE: NTS

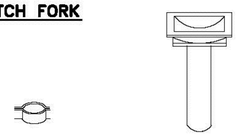


TYPE 3 BLACK PVC COATED 8' CHAIN-LINK WIRE FENCE WITH EXTENSION ARMS AND BARBED WIRE
N.T.S.

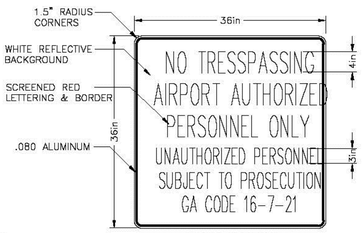


METHOD OF BRACING END, CORNER, AND PULL POST
N.T.S.

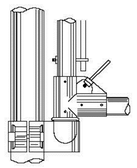
LATCH FORK



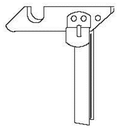
LOCK KEEPER GUIDE **CATCH FOR PLUNGER BAR**



SIGN DETAIL
N.T.S.



BOTTOM CORNER AND HINGE



STOP

LOCK KEEPER GUIDE

UPPER HINGE

LATCH FORK

LOCK KEEPER

BOTTOM HINGE

FORK CATCH

NOTES:

1. HORIZONTAL BRACE RAILS, TRUSS BRACING AND STRETCHER OR TENSION BARS ATTACHED TO POST BY MEANS OF BANDS, SHALL BE USED FOR END, CORNER, ANGLE, AND INTERMEDIATE BRACE POSTS AND WHERE REQUIRED BY THE ENGINEER.

2. FITTINGS SHOWN ARE SUGGESTED ONLY. SIMILAR DESIGNS MEETING THE APPROVAL OF THE ENGINEER MAY BE USED. ALL FITTINGS TO BE MALLEABLE IRON, CAST IRON, OR PRESSED STEEL. CONTRACTOR SHALL SUBMIT AND RECEIVE APPROVAL FOR APPROPRIATE SHOP DRAWINGS.

3. EXTENSION ARMS AND BARBED WIRE ARE NOT REQUIRED ON TEMPORARY FENCES, BUT TOP AND BOTTOM TENSION WIRES WILL BE REQUIRED IN ALL CASES.

4. POSTS PLACED IN TIRES WILL REQUIRE SUPPLEMENTARY SUPPORT BRACING WHEN USED IN AREAS ADJACENT TO AIRCRAFT OPERATIONS, TO RESIST JET BLAST. SUCH BRACING IS CONSIDERED INCIDENTAL TO THE FENCE CONSTRUCTION.

5. SWING GATE CONSTRUCTION VARIES WITH WIDTH. GATE FRAMES SHALL MEET CHAIN LINK FENCE MANUFACTURER'S INSTITUTE PRODUCT MANUAL INDUSTRIAL STEEL SPECIFICATIONS WITH RESPECT TO HORIZONTAL AND VERTICAL MEMBERS.

6. FENCING ON CONCRETE BARRIER SHALL BE SIMILAR. CONTRACTOR SHALL PROVIDE APPROPRIATE TRANSITION SECTIONS.

7. ALL CHAIN LINK FENCE MATERIALS AND FITTINGS SHALL BE OF HIGH GRADE DOMESTIC QUALITY STEEL AND SHALL BEAR MARKINGS AS BEING SUCH.

8. THE CHAIN LINK FABRIC SHALL BE PLACED ON THE OUTWARD FACE OF THE POSTS, TAUT AND SECURELY FASTENED.

9. MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH F.A.A. STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS OF THIS CONTRACT.

10. ALL EXPOSED METALS SUCH AS NUTS AND BOLTS AND WELDED AREAS SHALL BE PAINTED WITH COLOR TO MATCH FENCE SYSTEM.

CITY OF ATLANTA, GEORGIA
Hartsfield-Jackson Atlanta International Airport

NO.	DATE	BY	REVISION

FENCE DETAILS

CONTRACT NUMBER:	DRAWN BY:
Project No.	DESIGNED BY:
HDP WBS NUMBER:	CHECKED BY:
CAD FILE:	APPROVED BY:
	DATE:
	SCALE:
	DRAWING NO: STD 1

2 / C 16.2.1 HJAIA SIDA FENCE DETAIL STD 1
SCALE: NTS

CITY OF ATLANTA, GEORGIA
Hartsfield-Jackson Atlanta International Airport

HSST

HEERY INTERNATIONAL, INC.
999 PEACHTREE STREET, NE
ATLANTA, GA 30309
PHONE: 404.419.9190
FAX: 404.946.2017

MATRIX 3D
44 BROAD STREET
ATLANTA, GA 30303
PHONE:404.522.3901
FAX: 404.522.3823

STEVENS & WILKINSON, INC.
100 PEACHTREE STREET NW, SUITE 2500
ATLANTA, GA 30303
PHONE: 404.522.8888
FAX: 404.521.6204

SOUTHEASTERN ENGINEERING, INC. (SEI)
2470 SANDY PLAINS ROAD
MARIETTA, GA 30066
PHONE: 770.321.3936
FAX: 770.321.3935

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NO.	DATE	BY	REVISION

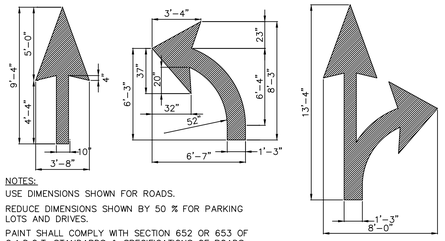
AIR CARGO BUILDING C

FENCING DETAILS

WBS NUMBER: D.07.55.009	DRAWN BY: SEI/JCS
FC NUMBER: FC-6006007929-A	DESIGNED BY: SEI/JCS
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: SEI/CWE
	APPROVED BY:
	DATE: 11/25/2014
	SCALE: N.T.S.
SEAL	SHEET NO: C 16.2.1

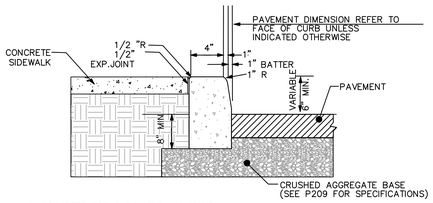
811 Know what's below. Call before you dig.

NOT ISSUED FOR CONSTRUCTION



NOTES:
USE DIMENSIONS SHOWN FOR ROADS.
REDUCE DIMENSIONS SHOWN BY 50 % FOR PARKING LOTS AND DRIVES.
PAINT SHALL COMPLY WITH SECTION 652 OR 653 OF G.A.D.O.T. STANDARDS & SPECIFICATIONS OF ROADS AND BRIDGES.

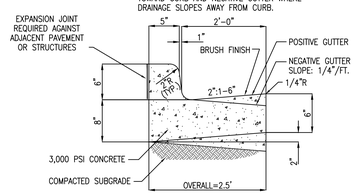
7 / C 17.1.1 PAVEMENT ARROWS
SCALE: NTS



1. CONCRETE FOR CURBING SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 P.S.I. AT 28 DAYS.
2. CONTRACTION JOINTS AT 10'-0" O.C. TOOLED 1/4 " (+-1/16") WIDE, 1" OR MAX. D/4 DEEP WHICHEVER IS GREATER. 1 1/2 " EXPANSION JOINTS AT 40' MAX. AND ALL P.C.'s, UNLESS APPROVED OR INDICATED OTHERWISE ON PLAN VIEW JOINT PATTERN.

5 / C 17.1.1 TYPICAL 6" GDOT HEADER CURB SECTION
SCALE: NTS

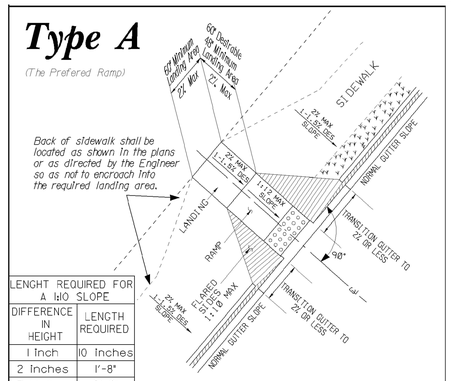
NOTE: USE POSITIVE GUTTER WHERE DRAINAGE SLOPES TOWARD CURB AND NEGATIVE GUTTER WHERE DRAINAGE SLOPES AWAY FROM CURB.



6 / C 17.1.1 TYPICAL 30" CURB & GUTTER SECTION
SCALE: NTS

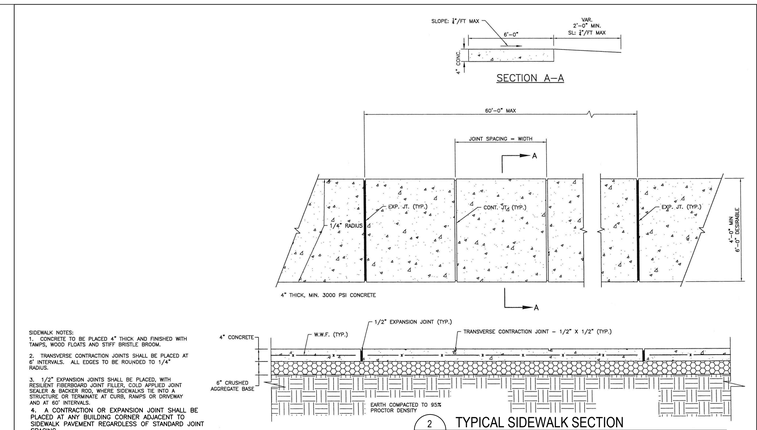
Type A

(The Prefered Ramp)



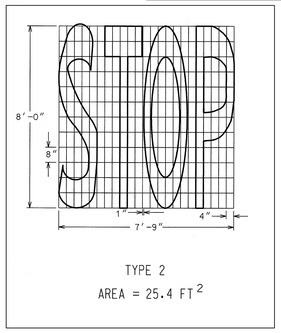
LENGHT REQUIRED FOR A 1:10 SLOPE	
DIFFERENCE IN HEIGHT	LENGTH REQUIRED
1 Inch	10 Inches
2 Inches	1'-8"
3 Inches	2'-6"
4 Inches	3'-4"
5 Inches	4'-2"
6 Inches	5 feet

1 / C 17.1.1 TYPICAL GDOT ACCESS RAMP
SCALE: NTS



SIDEWALK NOTES:
1. CONCRETE TO BE PLACED 4" THICK AND FINISHED WITH TAMPS, WOOD FLOATS AND STIFF BRISTLE BROOM.
2. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 6' INTERVALS. ALL EDGES TO BE ROUNDED TO 1/4" RADIUS.
3. 1/2" EXPANSION JOINTS SHALL BE PLACED, WITH RESILIENT FIBERBOARD JOINT FILLER, COLD APPLIED JOINT SEALER & BACKER ROD, WHERE SIDEWALKS TIE INTO A STRUCTURE OR TERMINATE AT CURB, RAMPS OR DRIVEWAY AND AT 60' INTERVALS.
4. A CONTRACTION OR EXPANSION JOINT SHALL BE PLACED AT ANY BUILDING CORNER ADJACENT TO SIDEWALK PAVEMENT REGARDLESS OF STANDARD JOINT SPACING.

2 / C 17.1.1 TYPICAL SIDEWALK SECTION
SCALE: NTS



8 / C 17.1.1 STOP STRIPING GRAPHIC
SCALE: NTS

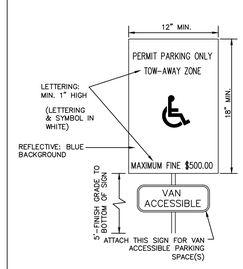
"HANDICAPPED PARKING PLACE" MEANS ANY AREA ON PUBLIC OR PRIVATE PROPERTY WHICH HAS BEEN DESIGNATED AS RESERVED FOR USE BY HANDICAPPED PERSONS AS FOLLOWS:

(A) BY A BLUE METAL REFLECTIVE SIGN WHICH IS AT LEAST 12 INCHES IN WIDTH AND 18 INCHES IN LENGTH AND IS ERECTED AS SUCH HEIGHT OR MANNER THAT IT WILL NOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE AND BEARING THE FOLLOWING WORDS; "PERMIT PARKING ONLY", "TOW AWAY ZONE", AND "MAXIMUM FINE $500.00". THE WARNINGS REQUIRED IN THIS SUBPARAGRAPH SHALL BE PRINTED IN WHITE LETTERS NOT LESS THAN 1" IN HEIGHT ON THREE SEPARATE LINES AND CENTERED ON THE SIGN. THE SIGN SHALL ALSO BEAR THE INTERNATIONAL SYMBOL FOR ACCESSIBILITY CENTERED BETWEEN THE SECOND AND THIRD WARNINGS. THE SIGN REQUIRED BY THIS SUBPARAGRAPH SHALL BE THE OFFICIAL AUTHORIZED SIGN FOR HANDICAPPED PARKING PLACE DESIGNATION IN THIS STATE.

(B) WHERE THE PARKING PLACE IS DESIGNATED BEFORE JANUARY 01, 1988, BY A SIGN OR SIGNS BEARING THE WORDS "TOW AWAY ZONE" AND "HANDICAPPED PARKING ONLY" OR THE WORDS "TOW AWAY ZONE" AND THE UNIVERSAL SYMBOL OF ACCESSIBILITY, THAT DESIGNATION SHALL BE DEEMED TO MEET THE REQUIREMENTS OF SUBPARAGRAPH (A) OF THIS PARAGRAPH UNTIL SUCH TIME AS THE SIGN OF SIGNS ARE REPLACED FOR OTHER REASONS, AT WHICH TIME ANY NEW SIGN ERECTED SHALL COMPLY FULLY WITH THE REQUIREMENTS OF SUBPARAGRAPH (A) OF THIS PARAGRAPH.

OR

(C) WHERE THE PARKING PLACE IS ON PRIVATE PROPERTY, IS CONSTRUCTED SOLELY FROM CONCRETE, WAS USED BY THE PUBLIC OR FINISHED PRIOR TO JANUARY 1, 1987, AND WHICH IS DESIGNATED BY HAVING IMPRINTED AND MAINTAINED IN REFLECTIVE PAINT UPON SUCH PLACE THE WORDS "TOW AWAY ZONE" AND "HANDICAPPED PARKING ONLY" OR THE WORDS "TOW AWAY ZONE" AND THE UNIVERSAL SYMBOL OF ACCESSIBILITY, THAT DESIGNATION SHALL BE DEEMED TO MEET THE REQUIREMENTS OF SUBPARAGRAPH (A) OF THIS PARAGRAPH UNTIL SUCH TIME AS THAT CONCRETE LOT IS RENOVATED, REPAIRED, OR REMODELED, AT WHICH TIME A SIGN SHALL BE ERECTED WHICH SHALL COMPLY WITH THE REQUIREMENTS OF SUBPARAGRAPH (A) OF THIS PARAGRAPH.



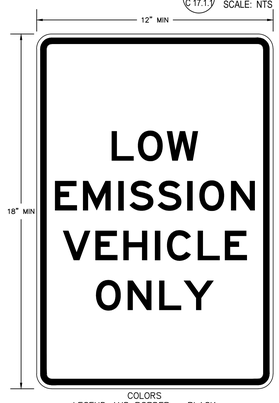
HANDICAP SIGN DETAIL
N.T.S.

USE BLUE THERMOPLASTIC TRAFFIC STRIPING FOR HANDICAPPED SYMBOL.

ALL HANDICAPPED STRIPING SHALL BE PER A.D.A. GUIDELINES.

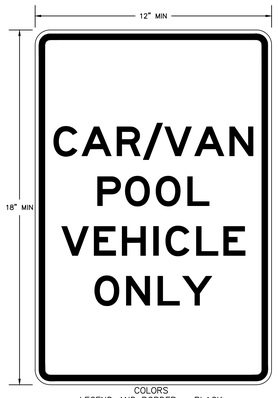
HANDICAPPED SYMBOL STRIPING DETAIL
N.T.S.

3 / C 17.1.1 TYPICAL HANDICAP DETAILS
SCALE: NTS



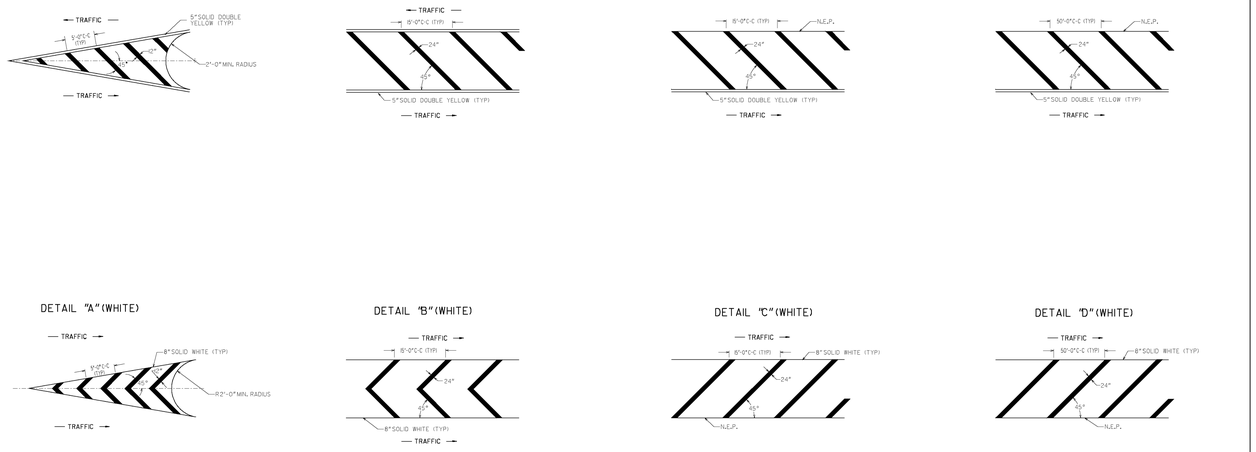
COLORS
LEGEND AND BORDER - BLACK (NON-REFL)
BACKGROUND - WHITE (REFL)

10 / C 17.1.1 L.E.V. SIGN DETAILS
SCALE: NTS



COLORS
LEGEND AND BORDER - BLACK (NON-REFL)
BACKGROUND - WHITE (REFL)

11 / C 17.1.1 CAR/VAN POOL SIGN DETAILS
SCALE: NTS



GENERAL NOTES:
1. FOR YELLOW STRIPING. THE SQUARE YARDS SHOWN ON PLAN. SUMMARY AND DETAILED ESTIMATE SHEETS INCLUDE THE AREA WITHIN THE BORDERS AND THE 5" SOLID DOUBLE YELLOW BORDER.
2. FOR WHITE STRIPING. THE SQUARE YARDS SHOWN ON PLAN. SUMMARY AND DETAILED ESTIMATE SHEETS INCLUDES THE AREA WITHIN THE BORDERS AS WELL AS THE 8" SOLID WHITE BORDER.

9 / C 17.1.1 DETAIL OF PAVEMENT MARKING HATCHING
SCALE: NTS

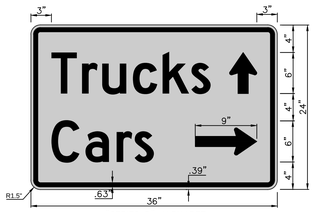
COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS

GEORGIA DEPARTMENT OF TRANSPORTATION

- NO SCALE -

DATE	REVISIONS
5/25/04	Modified general note 1
1/18/05	CHANGED BORDER
11/21/08	Modified general note 1

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: TRAFFIC OPERATIONS
SIGNING AND MARKING PLANS
DETAIL OF PAVEMENT MARKING HATCHING
JANUARY 2000
NUMBER T-14
T -14



"SERIES D" ALPHABET
COLORS
LEGEND AND BORDER - BLACK (NON-REFL)
BACKGROUND - WHITE (REFL)

4 / C 17.1.1 DIRECTIONAL SIGNAGE-CUSTOM
Scale: NOT TO SCALE

NOTE: SIGNS SHOULD BE MANUFACTURED SUCH THAT THEY ARE GENERALLY IN CONFORMANCE WITH THE CURRENT EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND THE ALPHABET FONT AND HEIGHT AS SET FORTH IN "STANDARD HIGHWAY SIGNS AND MARKINGS". CAR/VAN POOL & LEV SIGNS SHALL BE MANUFACTURED ON 12"X18" SIGN BLANKS AS APPROPRIATE. SIGN DESIGNS MUST BE APPROVED BY THE PROJECT MANAGER PRIOR TO MANUFACTURE AND INSTALLATION.

1. ALL ITEMS NECESSARY FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR THE SPECIFIC ITEM.
2. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION, AND ANY APPLICABLE GDOT STANDARDS.
3. ALL INSTALLATION MATERIALS AND METHODS SHALL COMPLY WITH CURRENT GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD AND SPECIFICATIONS AND/OR SPECIAL PROVISIONS.
4.
5. ALL SIGNS SHALL HAVE TYPE 3 OR 4 REFLECTIVE SHEETING EXCEPT SCHOOL RELATED SIGNS, WITH THEIR REQUIRED PLAQUES AND ADVISORY NAME BLADES, WHICH SHALL HAVE FLUORESCENT YELLOW GREEN COLOR AND TYPE 9 SHEETING.
6. ALL SIGNS SHALL BE ON 5052-H38 FLAT ALUMINUM ALLOY (0.080 GAUGE THICKNESS) WITH ROUNDED CORNERS. ALL SIGNS SHALL MEET OR EXCEED ASTM D 4956 SPECIFICATIONS FOR RETRO-REFLECTIVITY. SIGN COLORS SHALL BE MATCHED VISUALLY AND BE WITHIN THE COLOR TOLERANCE LIMITS SHOWN ON THE APPROPRIATE HIGHWAY COLOR TOLERANCE CHARTS ISSUED BY THE FHWA UTILIZING THE INSTRUCTIONS THEREON.
7. SIGN ERECTION STATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT SHALL BE WITHIN THE LIMITATIONS OF THE MUTCD, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR WITHOUT PRIOR APPROVAL FROM HJAIA AND/OR THE CITY OF ATLANTA.
8. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF ALL SIGNS/POSTS/PAVEMENT MARKINGS THAT ARE DUPLICATED OR CONTRARY TO THESE PLANS.
9. PLANS SHALL INCLUDE SHEETS(S) DETAILING FABRICATION SPECIFICATIONS FOR ALL REQUIRED ADVISORY NAME BLADES AND D3'S.

811 Know what's below. Call before you dig.

NORTH

CITY OF ATLANTA, GEORGIA

Hartsfield-Jackson Atlanta International Airport

HSST

HEERY INTERNATIONAL, INC.
999 PEACHTREE STREET, NE
ATLANTA, GA 30309
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FAX: 404.946.2017

MATRIX 3D
44 BROAD STREET
ATLANTA, GA 30303
PHONE:404.522.3001
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STEVENS & WILKINSON, INC.
100 PEACHTREE STREET NW, SUITE 2500
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PHONE: 404.522.8888
FAX: 404.521.6204

SOUTHEASTERN ENGINEERING, INC. (SEI)
2470 SANDY PLAINS ROAD
MARIETTA, GA 30066
PHONE: 770.321.3936
FAX: 770.321.3935

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

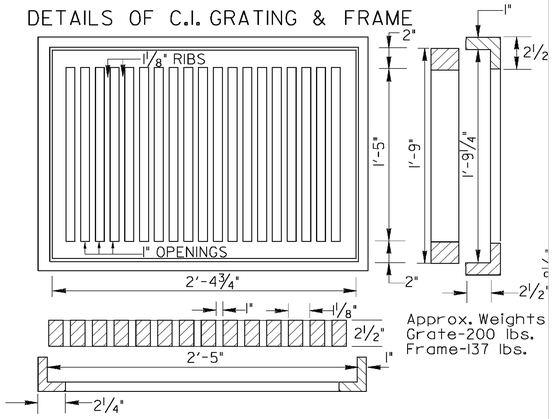
MISCELLANEOUS DETAILS

WBS NUMBER: D.07.55.009	DRAWN BY: SEI/JCS
FC NUMBER: FC-6006007929-A	DESIGNED BY: SEI/JCS
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: SEI/CWE
	APPROVED BY:
	DATE: 11/25/2014
	SCALE: 1" = 20'
SEAL	SHEET NO: C 17.1.1

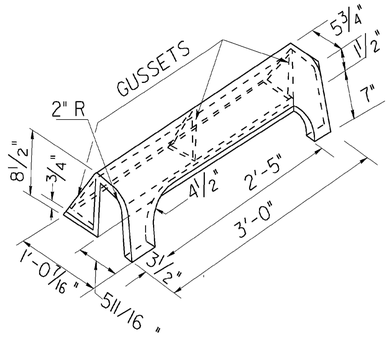
AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NOT ISSUED FOR CONSTRUCTION

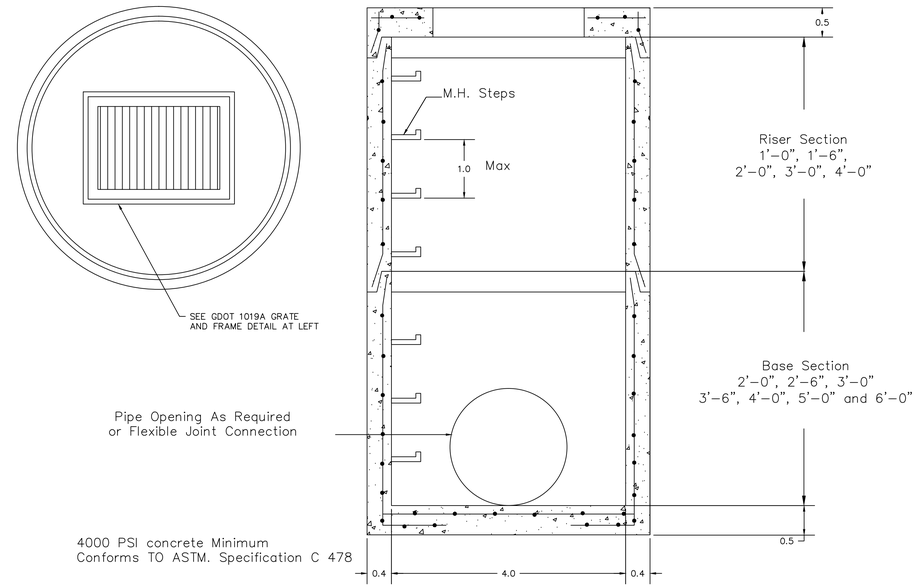
DETAILS OF C.I. GRATING & FRAME



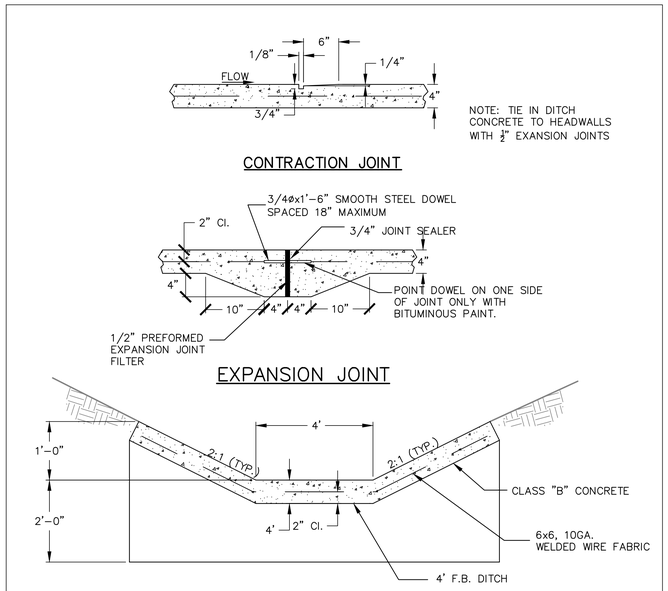
DETAIL OF *HOOD (NON-MOUNTABLE USE WITH TP2 CURB)



GRATING FRAME AND HOOD DETAILS
FROM GDOT 1019A

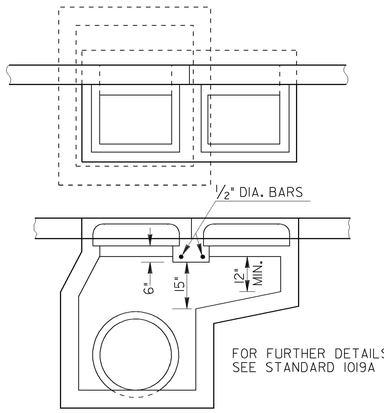


1 / C 17.1.2 FLAT TOP DROP INLET
SCALE: NTS



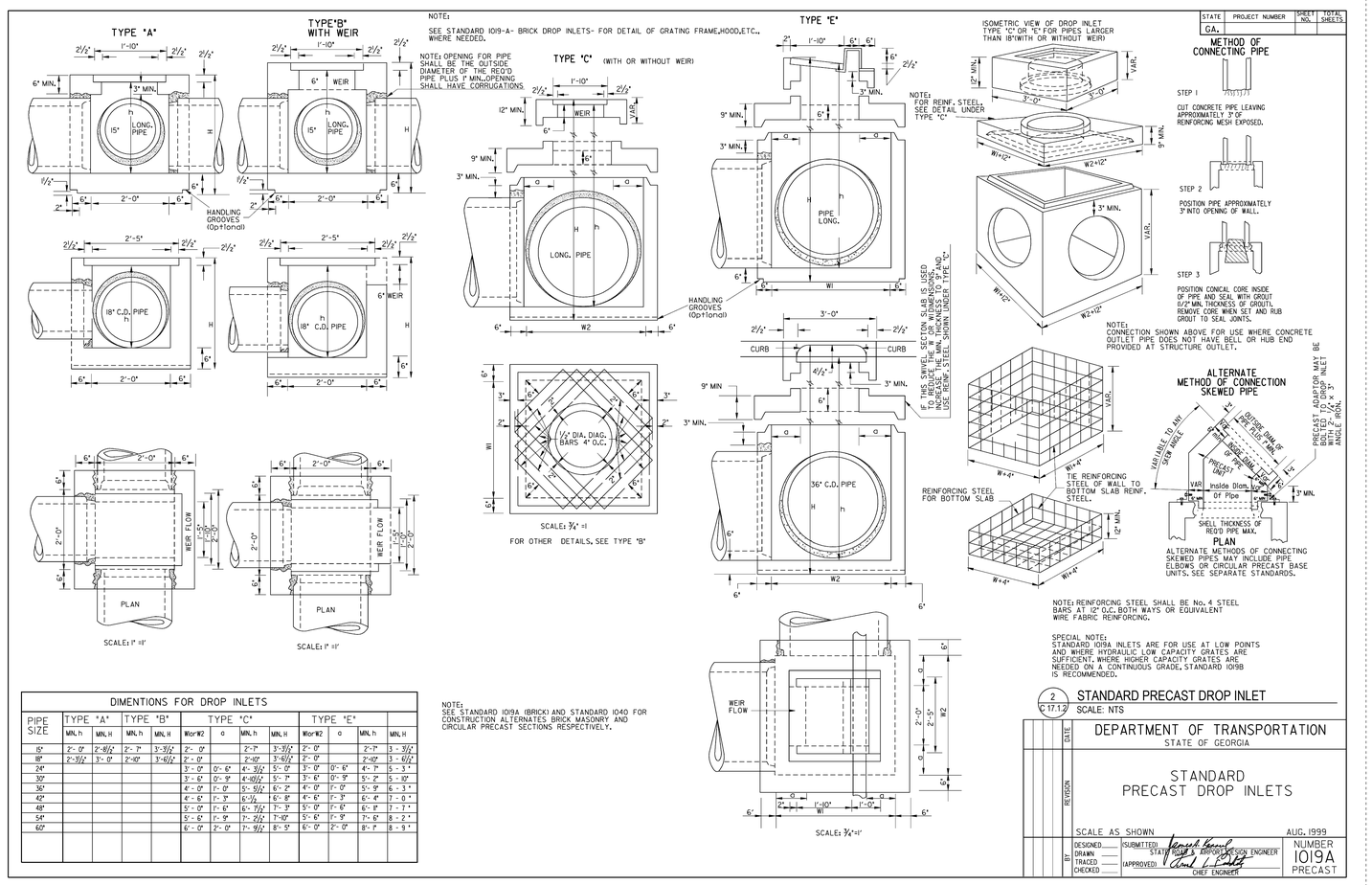
3 / C 17.1.2 CONCRETE DITCH DETAIL
SCALE: NTS

DETAIL OF DROP INLET MODIFIED FOR DOUBLE GRATES



4 / C 17.1.2 STD PRECAST DROP INLET MODIFICATION FOR DOUBLE GRATES
SCALE: NTS

Know what's below. Call before you dig.



2 / C 17.1.2 STANDARD PRECAST DROP INLET
SCALE: NTS

DIMENTIONS FOR DROP INLETS

PIPE SIZE	TYPE "A" MIN. h	TYPE "A" MIN. H	TYPE "B" MIN. h	TYPE "B" MIN. H	TYPE "C" W or W2	TYPE "C" G	TYPE "C" MIN. h	TYPE "C" MIN. H	TYPE "E" W or W2	TYPE "E" G	TYPE "E" MIN. h	TYPE "E" MIN. H
15"	2'- 0"	2'-8 1/2"	2'- 7"	3'-3 1/2"	2'- 0"		2'-7"	3'-3 1/2"	2'- 0"		2'-7"	3 - 3 1/2"
18"	2'-3 1/2"	3'- 0"	2'-10"	3'-6 1/2"	2' - 0"		2'-10"	3'-6 1/2"	2'- 0"		2'-10"	3 - 6 1/2"
24"					3' - 0"	0'- 6"	4'- 3 1/2"	5'- 0"	3'- 0"	0'- 6"	4'- 7"	5 - 3 "
30"					3' - 6"	0'- 9"	4'-10 1/2"	5'- 7"	3'- 6"	0'- 9"	5'- 2"	5 - 10"
36"					4' - 0"	1'- 0"	5'- 5 1/2"	6'- 2"	4'- 0"	1'- 0"	5'- 9"	6 - 3 "
42"					4' - 6"	1'- 3"	6'-1 1/2	6'- 8"	4'- 6"	1'- 3"	6'- 4"	7 - 0 "
48"					5' - 0"	1'- 6"	6'- 7 1/2"	7'- 3"	5'- 0"	1'- 6"	6'- 11"	7 - 7 "
54"					5' - 6"	1'- 9"	7'- 2 1/2"	7'-10"	5'- 6"	1'- 9"	7'- 6"	8 - 2 "
60"					6' - 0"	2'- 0"	7'- 9 1/2"	8'- 5"	6'- 0"	2'- 0"	8'- 1"	8 - 9 "

9/28/2006 9:28:29 AM \\SD07-DSK1\GDPLOT\DCP\gs_tiff_output.cpt gwens W:\GAR\alphalt to concrete\1019AP.prf

CITY OF ATLANTA, GEORGIA

Hartsfield-Jackson Atlanta International Airport

HSST

HEERY INTERNATIONAL, INC.
999 PEACHTREE STREET, NE
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MARIETTA, GA 30066
PHONE: 770.321.3936
FAX: 770.321.3935

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NO.	DATE	BY	REVISION

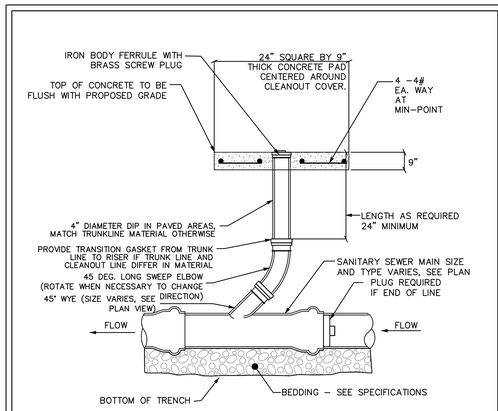
AIR CARGO BUILDING C

MISCELLANEOUS DETAILS

WBS NUMBER: D.07.55.009	DRAWN BY: SEI/JCS
FC NUMBER: FC-6006007929-A	DESIGNED BY: SEI/JCS
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: SEI/CWE
	APPROVED BY:
	DATE: 11/25/2014
	SCALE: 1" = 20'
	SHEET NO: C 17.1.2

SEAL

NOT ISSUED FOR CONSTRUCTION

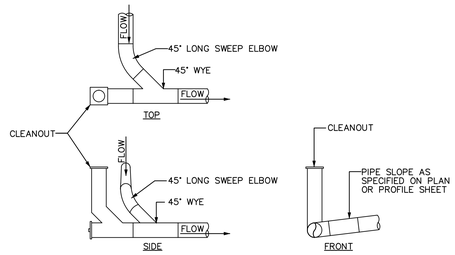


CONSTRUCTION NOTES:

1. 3000 PSI CONCRETE, 2" SLUMP WITH LIGHT BROOM FINISH
2. INSTALL CONCRETE SQUARE PAD AROUND CLEANOUT TOP UNLESS CLEANOUT IS LOCATED IN CONCRETE PAVEMENT.

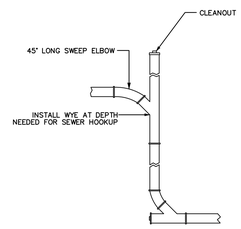
SANITARY SEWER CLEANOUT

NOT TO SCALE



SEWER LATERAL CONFIGURATION AT 90° TURN

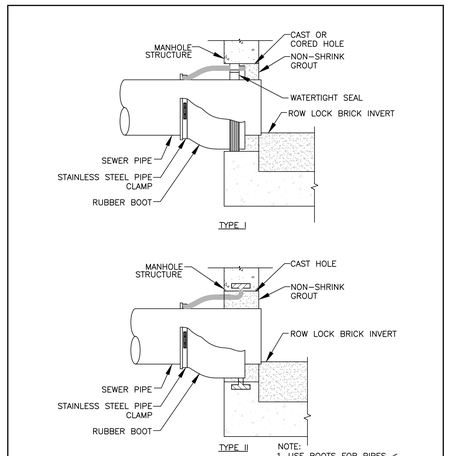
SEE CLEANOUT DETAIL FOR COMPLETE DETAILS
NOT TO SCALE



DROP CLEANOUT

SEE CLEANOUT DETAIL FOR COMPLETE DETAILS
NOT TO SCALE

4 / C 17.1.3 STANDARD CLEANOUT DETAILS
SCALE: NTS

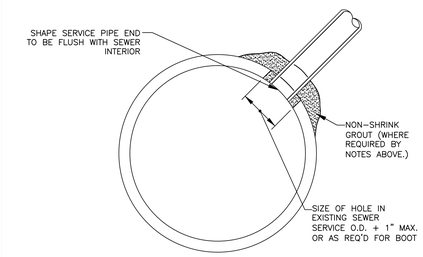


NOTE:
1. USE BOOTS FOR PIPES < 42" DIAMETER
2. TYPE I IS FOR MECHANICALLY ATTACHED TYPE BOOTS.
3. TYPE II IS FOR CAST-IN BOOTS

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

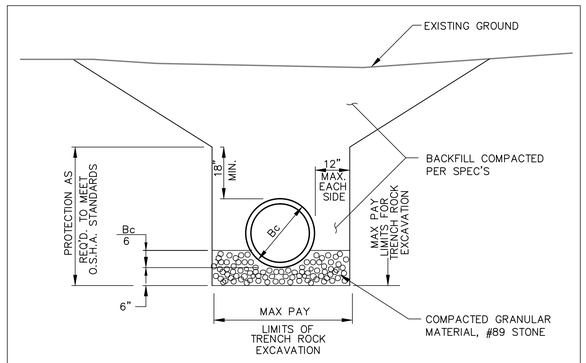
City of Atlanta	STANDARD DETAILS	REV. DATE: SEPT 2011 ORIG. DATE: NOV 2004 SCALE: N.T.S.
	BOOT CONNECTION	DETAIL NO. SS-G_BC001

NOTE: 1.) HOLE IN EXISTING SEWER SHALL BE CORED.
2.) CONNECT SERVICE TO SEWER WITH:
- BOOT ON RCP SEWERS
- TAPPING SADDLE ON DIP SEWERS EQUAL TO AMERICAN OUTLET / TAPPING SADDLE WITH MECHANICAL JOINT OUTLET AND MINIMUM 3 STRAPS FOR SECURING
- TIGHTLY PACKED NON-SHRINK GROUT ON BRICK SEWERS
- BOOT OR TIGHTLY PACKED NON-SHRINK GROUT ON VCP SEWERS
- MANUFACTURED SADDLE ON PVC PIPE SEWERS

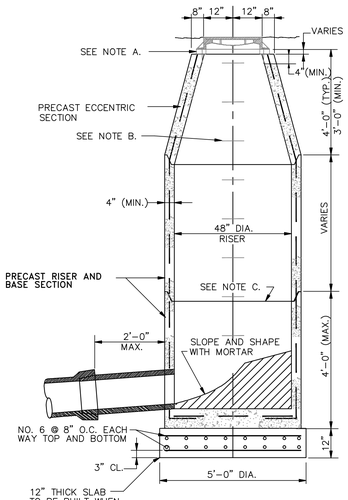


THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta	STANDARD DETAILS	REV. DATE: OCT. 2011 ORIG. DATE: NOV 2004 SCALE: N.T.S.
	SERVICE CONNECTION	DETAIL NO. SS-G_SC003



3 / C 17.1.3 TYPE 'C' PIPE BEDDING
SCALE: NTS



NOTES:

A. 4" PRECAST CONCRETE ADJUSTMENT RINGS AS REQUIRED, WITH A MAXIMUM OF TWO RINGS PER MANHOLE. RINGS TO BE FURNISHED WITH 1" DIAMETER HOLES AT 180° FOR FRAME DOWELS.

B. STANDARD STEPS SPACED AT 16" O.C. SHALL BE CAST IRON, NEENAH PATTERN NO. R-1980-C OR EQUAL.

C. JOINTS BETWEEN ALL PRECAST MANHOLE COMPONENTS SHALL BE FUEL RESISTANT O-RING.

D. MANHOLE FRAME AND COVER TO BE BARRY PATTERN B-1600-D OR APPROVED EQUAL WITH NO. 4 STEEL DOWELS BEDDED IN STIFF MORTAR.

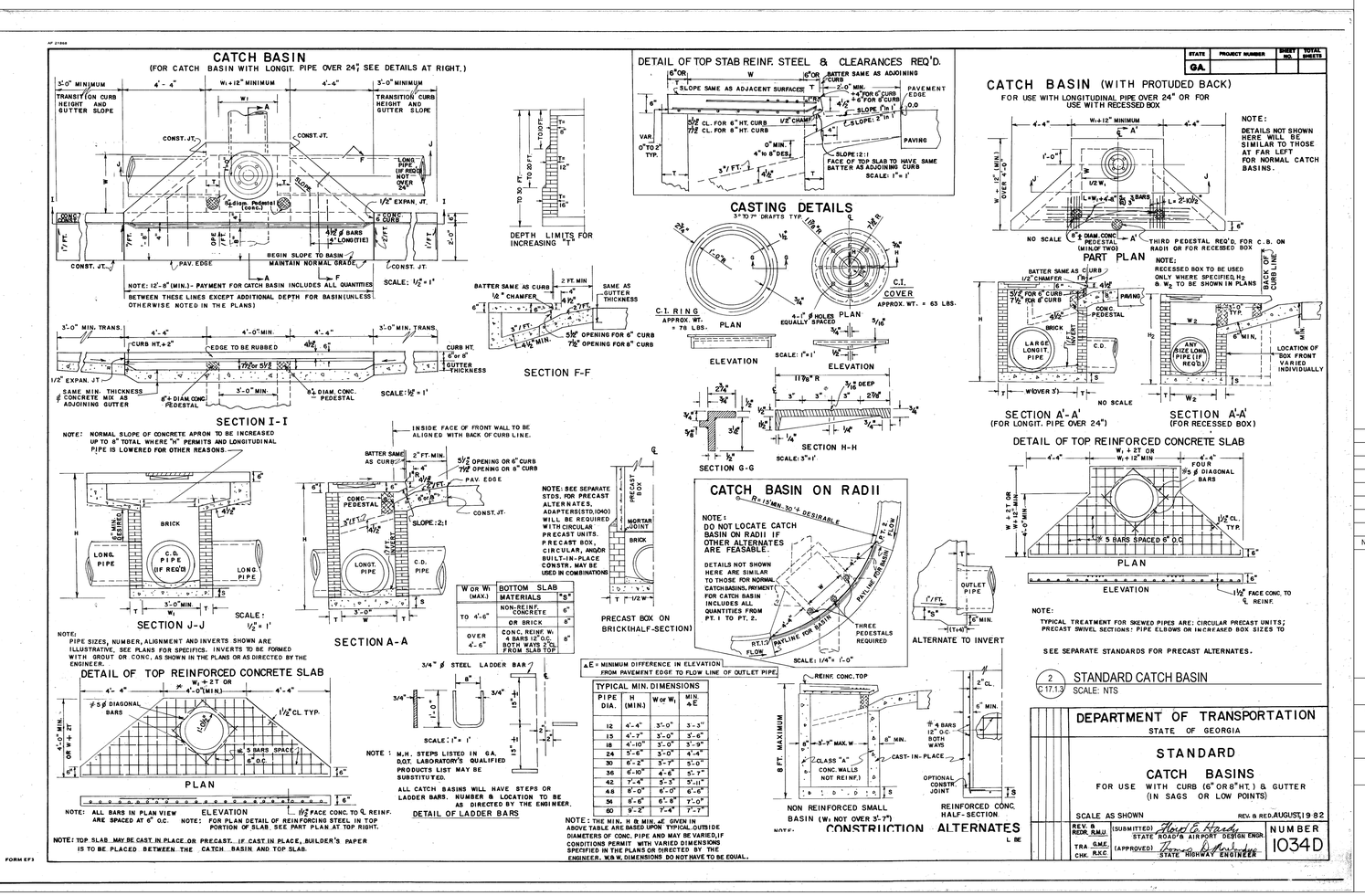
E. ALL PRECAST BASE SECTIONS MUST BE FOUNDED ON A COMPACTED LAYER OF NO. 89 COARSE AGGREGATE AT LEAST 18" THICK.

F. PRECAST MANHOLE RISERS AND BASE SHALL CONFORM TO THE PROVISIONS OF ASTM C-478.

G. ALL TOPS TO BE H-20 RATED

1 / C 17.1.3 STANDARD PRECAST REINFORCED CONCRETE MANHOLE
SCALE: NTS

Know what's below. Call before you dig.



CITY OF ATLANTA, GEORGIA

Hartsfield-Jackson Atlanta International Airport

HSST

HEERY INTERNATIONAL, INC.
999 PEACHTREE STREET, NE
ATLANTA, GA 30309
PHONE: 404.419.9190
FAX: 404.946.2017

MATRIX 3D
44 BROAD STREET
ATLANTA, GA 30303
PHONE:404.522.3901
FAX: 404.522.3823

STEVENS & WILKINSON, INC.
100 PEACHTREE STREET NW, SUITE 2500
ATLANTA, GA 30303
PHONE: 404.522.8888
FAX: 404.521.6204

SOUTHEASTERN ENGINEERING, INC. (SEI)
2470 SANDY PLAINS ROAD
MARIETTA, GA 30066
PHONE: 770.321.3936
FAX: 770.321.3935

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NO.	DATE	BY	REVISION

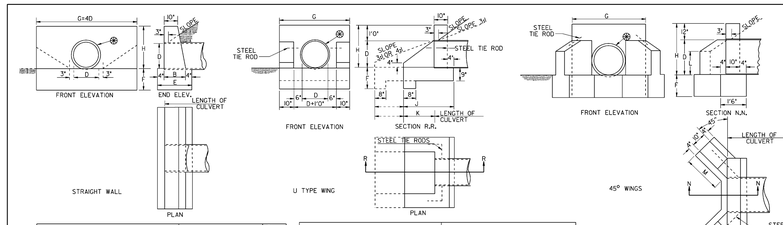
AIR CARGO BUILDING C

MISCELLANEOUS DETAILS

WBS NUMBER: D.07.55.009	DRAWN BY: SEI/JCS
FC NUMBER: FC-6006007929-A	DESIGNED BY: SEI/JCS
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: SEI/CWE
	APPROVED BY:
	DATE: 11/25/2014
	SCALE: 1" = 20'
	SHEET NO. C 17.1.3

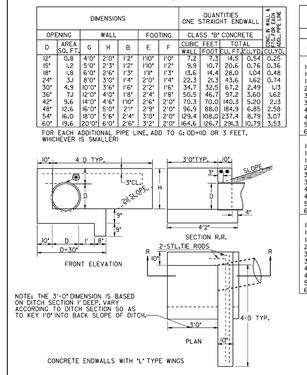
SEAL

NOT ISSUED FOR CONSTRUCTION



DIMENSIONS						QUANTITIES ONE STRAIGHT ENDWALL				
OPENING		WALL			FOOTING	CLASS "B" CONCRETE				STEEL TIE RODS
D	AREA SQ.FT	G	H	B	E	F	CUBIC FEET WALL	CUBIC FEET FOOT	TOTAL CU.FT.	TOTAL CU.YD.
12"	0.8	4'0"	2'0"	1'2"	1'10"	1'0"	7.2	7.3	14.5	0.54	0.25
15"	1.2	5'0"	2'3"	1'2"	1'10"	1'2"	9.9	10.7	20.6	0.76	0.36
18"	1.8	6'0"	2'6"	1'3"	1'8"	1'3"	13.6	14.4	28.0	1.04	0.48
24"	3.1	8'0"	3'0"	1'4"	2'0"	1'4"	22.3	25.3	43.6	1.62	0.74
30"	4.9	10'0"	3'6"	1'6"	2'2"	1'6"	34.7	32.5	67.2	2.49	1.13
36"	7.1	12'0"	4'0"	1'8"	2'4"	1'8"	50.5	46.7	97.2	3.60	1.62
42"	9.6	14'0"	4'6"	1'10"	2'6"	2'0"	70.3	70.0	140.3	5.20	2.13
48"	12.6	16'0"	5'0"	2'1"	2'9"	2'0"	96.9	88.0	184.9	6.85	2.58
54"	16.0	18'0"	5'6"	2'4"	3'0"	2'0"	129.4	108.0	237.4	8.79	3.07
60"	19.6	20'0"	6'0"	2'6"	3'2"	2'2"	164.6	126.7	291.3	10.79	3.53

FOR EACH ADDITIONAL PIPE LINE, ADD TO: G; OD+OD OR 3 FEET, WHICHEVER IS SMALLER!



NOTE: THE 3'-0" DIMENSION IS BASED ON DITCH SECTION 7' DEEP, VARY ACCORDING TO DITCH SECTION SO AS TO KEY 10" INTO BACK SLOPE OF DITCH.

NOTE: THESE QUANTITIES WILL VARY ACCORDING TO DITCH SECTION AND ARE TO BE USED FOR ESTIMATING PURPOSES ONLY. PAYMENT TO BE MADE ACCORDING TO QUANTITIES MEASURED AS ACTUALLY PLACED.

DIMENSIONS					QUANTITIES ONE "L" ENDWALL	
D	AREA SQ.FT.	H MIN.	4D TYP.	D+30 TYP.	CU. YD. CONC.	STEEL TIE RODS
15"	1.2	2'3"	5'0"	3'0"	1.08	2-3/4"DIA.x5'0"
18"	1.8	2'6"	6'0"	4'0"	1.24	2-3/4"DIA.x6'0"
24"	3.1	3'0"	8'0"	4'6"	1.59	2-3/4"DIA.x8'0"
30"	4.9	3'6"	10'0"	5'0"	2.00	2-3/4"DIA.x10'0"
36"	7.1	4'0"	12'0"	5'6"	2.46	2-3/4"DIA.x12'0"
42"	9.6	4'6"	14'0"	6'0"	2.98	2-3/4"DIA.x14'0"
48"	12.6	5'0"	16'0"	6'6"	3.53	2-3/4"DIA.x16'0"
54"	16.0	5'6"	18'0"	7'0"	4.13	2-3/4"DIA.x18'0"
60"	19.6	6'0"	20'0"	7'6"	4.85	2-3/4"DIA.x20'0"

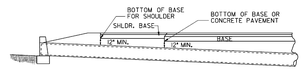
3/4FILL SLOPES

DIMENSIONS						QUANTITIES ONE "U" ENDWALL				
OPENING		WALL			FOOTING	CLASS "B" CONCRETE				STEEL TIE RODS
D	AREA SQ.FT	G	H	K	F	J	CUBIC FEET WALL	CUBIC FEET FOOT	TOTAL CU.FT	TOTAL CU.YD.
						2:1 FILL SLOPES				
12"	0.8	3'8"	2'0"	2'0"	1'3"	2'2"	6.6	7.3	13.9	0.52	NONE
15"	1.2	3'9"	2'3"	1'5"	1'3"	2'7"	8.3	9.1	17.4	0.64	NONE
18"	1.8	4'2"	2'6"	1'9"	1'3"	2'9"	9.9	10.7	20.6	0.76	NONE
24"	3.1	4'8"	3'0"	2'6"	1'6"	3'8"	13.9	15.5	29.4	1.09	2-3/4"DIA.x2'0"
30"	4.9	5'2"	3'6"	3'3"	1'6"	4'5"	18.7	20.0	38.7	1.43	2-3/4"DIA.x2'0"
36"	7.1	5'8"	4'0"	4'0"	1'9"	5'2"	23.2	26.2	50.4	1.87	2-3/4"DIA.x2'6"
42"	9.6	6'2"	4'6"	4'9"	2'0"	5'9"	30.3	33.2	63.5	2.35	2-3/4"DIA.x3'0"
48"	12.6	6'8"	5'0"	5'6"	2'0"	6'8"	37.3	39.6	76.9	2.85	2-3/4"DIA.x3'0"
54"	16.0	7'2"	5'6"	6'3"	2'0"	7'5"	44.2	45.9	90.1	3.33	2-3/4"DIA.x3'6"
60"	19.6	7'8"	6'0"	7'0"	2'0"	8'2"	51	49.1	100.2	3.71	2-3/4"DIA.x4'0"
						3/4FILL SLOPES					
12"	0.8	3'8"	2'0"	2'0"	1'3"	3'2"	7.7	9.9	17.6	0.65	NONE
15"	1.2	3'9"	2'3"	2'9"	1'3"	3'8"	10.0	12.8	22.8	0.84	NONE
18"	1.8	4'2"	2'6"	3'6"	1'3"	4'8"	12.5	16.0	28.5	1.06	NONE
24"	3.1	4'8"	3'0"	5'0"	1'6"	6'2"	18.6	24.0	42.6	1.58	2-3/4"DIA.x2'0"
30"	4.9	5'2"	3'6"	6'6"	1'6"	7'8"	26.3	32.3	58.6	2.17	2-3/4"DIA.x2'0"
36"	7.1	5'8"	4'0"	8'0"	1'9"	9'2"	35.1	42.8	77.9	2.89	2-3/4"DIA.x2'0"
42"	9.6	6'2"	4'6"	9'6"	2'0"	10'8"	45.4	54.5	99.9	3.70	2-3/4"DIA.x2'6"
48"	12.6	6'8"	5'0"	11'0"	2'0"	12'2"	56.9	66.5	123.4	4.57	2-3/4"DIA.x3'0"
54"	16.0	7'2"	5'6"	12'6"	2'0"	13'8"	66.7	79.5	146.2	5.41	2-3/4"DIA.x3'6"
60"	19.6	7'8"	6'0"	13'4"	2'0"	17'2"	81.0	87.9	168.9	6.25	2-3/4"DIA.x4'0"
						4:1 FILL SLOPES					
12"	0.8	3'8"	2'0"	2'8"	1'3"	3'10"	8.4	11.8	20.2	0.75	NONE
15"	1.2	3'9"	2'3"	3'9"	1'3"	4'10"	11.2	15.5	26.6	0.98	NONE
18"	1.8	4'2"	2'6"	4'8"	1'3"	5'10"	14.3	19.6	33.9	1.26	NONE
24"	3.1	4'8"	3'0"	6'8"	1'6"	7'10"	22.0	29.8	51.8	1.92	2-3/4"DIA.x2'0"
30"	4.9	5'2"	3'6"	8'8"	1'6"	9'10"	31.3	40.7	72.0	2.67	2-3/4"DIA.x2'0"
36"	7.1	5'8"	4'0"	10'8"	1'9"	11'0"	42.5	54.1	96.6	3.58	2-3/4"DIA.x2'0"
42"	9.6	6'2"	4'6"	12'8"	2'0"	13'10"	55.4	69.2	124.6	4.61	2-3/4"DIA.x2'6"
48"	12.6	6'8"	5'0"	14'8"	2'0"	15'10"	70.0	84.8	154.8	5.73	2-3/4"DIA.x3'0"
54"	16.0	7'2"	5'6"	16'8"	2'0"	17'10"	86.4	101.9	188.3	6.97	2-3/4"DIA.x3'6"
60"	19.6	7'8"	6'0"	18'8"	2'0"	19'10"	104.7	120.5	225.2	8.34	2-3/4"DIA.x4'0"

DIMENSIONS						QUANTITIES ONE ENDWALL WITH 45° WING WALLS				
OPENING		WALL			FOOTING	CLASS "B" CONCRETE				STEEL TIE RODS
D	AREA SQ.FT	H	G	L	M	F	CUBIC FEET WALL	TOTAL FOOT	TOTAL CU.FT	TOTAL CU.YD.
						2:1 SLOPES				
18"	1.8	2'6"	3'10"	1'2"	1'7"	1'3"	9.3	10.7	20.0	0.74	NONE
24"	3.1	3'0"	4'4"	1'5"	2'1"	1'4"	13.1	14.4	27.5	1.02	2-3/4"DIA.x2'0"
30"	4.9	3'6"	4'10"	1'8"	2'5"	1'6"	17.4	18.8	36.1	1.34	2-3/4"DIA.x2'0"
36"	7.1	4'0"	5'4"	2'0"	2'9"	1'8"	22.6	24.6	47.2	1.75	2-3/4"DIA.x3'0"
42"	9.6	4'6"	5'10"	2'3"	3'6"	2'0"	29.1	34.6	63.7	2.36	2-3/4"DIA.x3'0"
48"	12.6	5'0"	6'4"	2'6"	4'0"	2'0"	35.9	39.1	75.0	2.78	2-3/4"DIA.x3'0"
54"	16.0	5'6"	6'10"	2'9"	4'6"/4'6"	2'0"	42.9	46.6	89.5	3.3	2-3/4"DIA.x3'0"
60"	19.6	6'0"	7'4"	3'0"	5'0"/4'6"	2'0"	50.8	54	102.9	3.81	2-3/4"DIA.x3'0"
						3/4 SLOPES					
18"	1.8	2'6"	3'10"	1'2"	1'9"	1'3"	10.7	14.5	25.2	0.93	NONE
24"	3.1	3'0"	4'4"	1'5"	2'10"	1'4"	16.6	17.8	34.4	1.27	2-3/4"DIA.x2'0"
30"	4.9	3'6"	4'10"	1'8"	3'6"	1'6"	22.9	24.4	47.3	1.71	2-3/4"DIA.x2'0"
36"	7.1	4'0"	5'4"	2'1"	4'3"	1'8"	30.2	32.0	62.2	2.30	2-3/4"DIA.x3'0"
42"	9.6	4'6"	5'10"	2'5"	4'11"	2'0"	38.8	44.0	82.8	3.07	2-3/4"DIA.x3'0"
48"	12.6	5'0"	6'4"	2'8"	5'6"	2'0"	47.5	48.6	96.1	3.56	2-3/4"DIA.x3'0"
54"	16.0	5'6"	6'10"	3'2"	6'7"	2'0"	57.0	53.4	110.4	4.09	2-3/4"DIA.x3'0"
60"	19.6	6'0"	7'4"	3'6"	6'9"	2'0"	68.5	59.1	127.6	4.73	2-3/4"DIA.x3'0"

CONCRETE WITHIN THE HATCHED AREA TO BE REMOVED BY CHIPPING OR IN A MANNER APPROVED BY THE ENGINEER, FORMING A RECESS NO LESS THAN 1" LARGER THAN THE OUTSIDE DIMENSION OF THE PIPE.

SECTION SHOWING MINIMUM COVER OVER CULVERTS



NOTE: GRADE GENERALLY TO FOLLOW SLOPE OF STREAM.

NOTE: QUANTITIES OF CONCRETE ARE BASED ON INSIDE DIAMETER OF PIPE. NO DEDUCTIONS SHALL BE MADE FOR SHELL THICKNESS OR SHEW OF PIPE IN COMPUTING PAY QUANTITES.

IF PIPE HAS NEITHER A GROOVE NOR A SPIGOT AT ITS INLET, AN INLET BEVEL WILL BE REQ'D.

1 / C 17.1.4 STANDARD HEADWALL
SCALE: NTS

NOTE TO DESIGNER

THIS STANDARD IS LIMITED FOR USE ONLY AT SPECIAL CONDITIONS, OTHERWISE, SEE CURRENT STANDARDS 1001 & 1025.

HEADWALLS ARE NOT TO BE PLACED INSIDE THE CLEAR ZONE.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

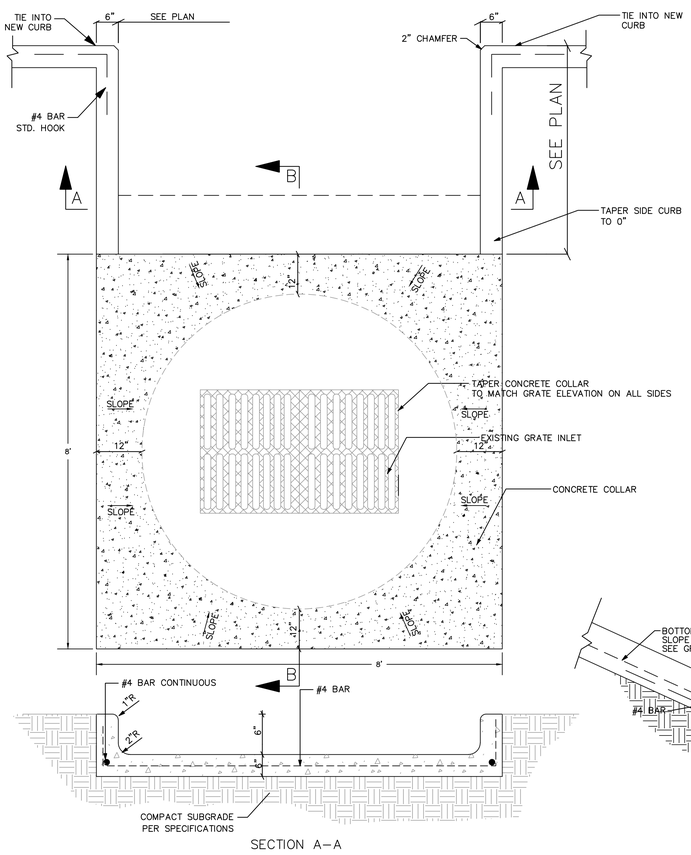
STANDARD
PIPE CULVERT
CONCRETE HEADWALL

NO SCALE — REV. & REDR. AUG. 1999

DESIGNED / TRACED / CHECKED

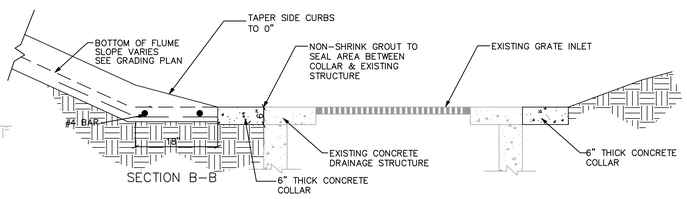
(SUBMITTED) STATE PROJECT DESIGN ENGINEER
(APPROVED) CHIEF ENGINEER

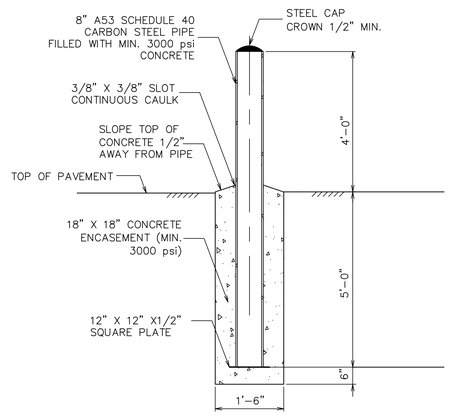
NUMBER 1001-B



2 / C 17.1.4 CONCRETE FLUME
SCALE: NTS

NOTES:
1. 3000 PSI CONCRETE, 2" SLUMP WITH SMOOTH FINISH
2. 3/4 " DEEP SAWED CONTRACTION JOINT EVERY 5'
3. EXPANSION JOINTS REQUIRED AT ALL STRUCTURES AND CURB RETURNS MAXIMUM DISTANCE BETWEEN EXPANSION JOINTS – 20'





3 / C 17.1.4 CONCRETE FILLED STEEL GUARD POST (BOLLARD)
SCALE: NTS

Know what's below. Call before you dig.

NORTH

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

MISCELLANEOUS DETAILS

WBS NUMBER: D.07.55.009	DRAWN BY: SEI/JCS
FC NUMBER: FC-6006007929-A	DESIGNED BY: SEI/JCS
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: SEI/CWE
	APPROVED BY:
	DATE: 11/25/2014
	SCALE: 1" = 20'
SEAL	SHEET NO: C 17.1.4

CITY OF ATLANTA, GEORGIA

Hartsfield-Jackson Atlanta International Airport

HSST

HEERY INTERNATIONAL, INC.
999 PEACHTREE STREET, NE
ATLANTA, GA 30309
PHONE: 404.419.9190
FAX: 404.946.2017

MATRIX 3D
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ATLANTA, GA 30303
PHONE:404.522.3601
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STEVENS & WILKINSON, INC.
100 PEACHTREE STREET NW, SUITE 2500
ATLANTA, GA 30303
PHONE: 404.522.8888
FAX: 404.521.6204

SOUTHEASTERN ENGINEERING, INC. (SEI)
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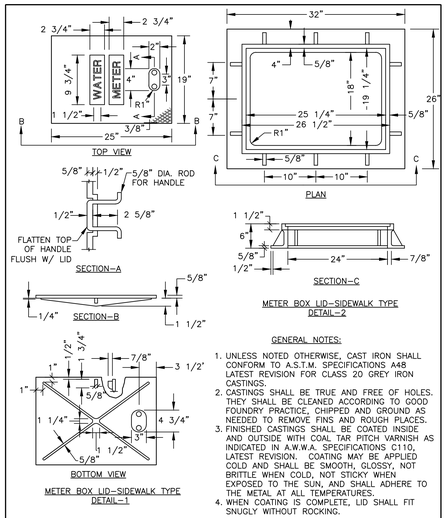
MARIETTA, GA 30066
PHONE: 770.321.3936
FAX: 770.321.3935

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NOT ISSUED FOR CONSTRUCTION



GENERAL NOTES:

1. UNLESS NOTED OTHERWISE, CAST IRON SHALL CONFORM TO A.S.T.M. SPECIFICATIONS A48 LATEST REVISION FOR CLASS 20 GREY IRON CASTINGS.
2. CASTINGS SHALL BE TRUE AND FREE OF HOLES. THEY SHALL BE CLEANED ACCORDING TO GOOD FOUNDRY PRACTICE, CHIPPED AND GROUND AS NEEDED TO REMOVE FINS AND ROUGH PLACES.
3. FINISHED CASTINGS SHALL BE COATED INSIDE AND OUTSIDE WITH COAL TAR PITCH VARNISH AS INDICATED IN A.W.W.A. SPECIFICATIONS C110, LATEST REVISION. COATING MAY BE APPLIED COLD AND SHALL BE SMOOTH, GLOSSY, NOT BRITTLE WHEN COLD, NOT STICKY WHEN EXPOSED TO THE SUN, AND SHALL ADHERE TO THE METAL AT ALL TEMPERATURES.
4. WHEN COATING IS COMPLETE, LID SHALL FIT SNUGLY WITHOUT ROCKING.

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

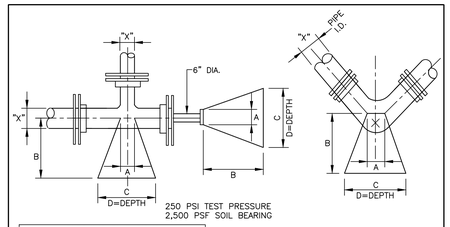
City of Atlanta

STANDARD DETAILS

TYPICAL METER BOX LID AND FRAME SIDEWALK TYPE

REV.
DATE: OCT. 2011
ORIG. DATE: NOV. 2004
SCALE: N.T.S.

DETAIL NO. WR–G_ME004



BLOCKING DIMENSIONS		X*	A	B	C	D
DEAD END & TEES		24"	2'–0"	4'–6"	14.0'	7.0'
		20"	1'–8"	3'–9"	11.7'	5.9'
		16"	1'–3"	3'–3"	9.5'	4.7'
		12"	1'–0"	2'–6"	7.1'	3.6'
		10"	1'–0"	2'–0"	6.0'	3.0'
		8"	0'–10"	1'–9"	4.9'	2.5'
		6"	0'–8"	1'–3"	3.7'	1.8'
BENDS	90°	24"	2'–0"	5'–9"	16.7'	8.3'
		20"	1'–8"	4'–9"	13.9'	7.0'
		16"	1'–3"	4'–0"	15.9'	5.6'
		12	1'–0"	3'–0"	8.5'	4.3'
		10"	1'–0"	2'–6"	7.1'	3.6'
		8"	0'–10"	2'–0"	5.9'	2.9'
		6"	0'–8"	1'–6"	4.4'	2.2'
	45°	24"	2'–0"	4'–0"	12.2'	6.1'
		20"	1'–8"	3'–3"	10.2'	5.1'
		16"	1'–3"	2'–9"	8.2'	4.1'
		12	1'–0"	2'–0"	6.2'	3.1'
		10"	1'–0"	1'–9"	5.3'	2.6'
		8"	0'–10"	1'–6"	4.3'	2.2'
		6"	0'–10"	1'–3"	3.2'	1.6'

BLOCKING DIMENSIONS		X*	A	B	C	D
BENDS	22 1/2°	24"	2'–0"	2'–6"	8.8'	4.4'
		20"	1'–8"	2'–0"	7.4'	3.7'
		16"	1'–3"	1'–9"	5.9'	2.9'
		12"	1'–0"	1'–3"	4.5'	2.3'
		10"	1'–0"	1'–3"	3.8'	1.9'
		8"	0'–10"	1'–0"	3.1'	1.6'
		6"	0'–8"	0'–9"	2.3'	1.2'
	11 1/4°	24"	2'–0"	1'–6"	6.2'	3.1'
		20"	1'–8"	1'–3"	5.2'	2.6'
		16"	1'–3"	1'–0"	4.2'	2.1'
		12	1'–0"	0'–9"	3.1'	1.6'
		10"	1'–0"	0'–9"	2.7'	1.4'
		8"	0'–10"	0'–6"	2.1'	1.1'
		6"	0'–8"	0'–6"	1.4'	1.0'

X*= DIAMETER OF PIPE TO BE BLOCKED

NOTE: BLOCKING FOR LARGER DIAMETER PIPE SHALL BE DETERMINED FOR EACH PROJECT.

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City of Atlanta

STANDARD DETAILS

TYPICAL BLOCKING

REV.
DATE: OCT. 2011
ORIG. DATE: OCT. 2004
SCALE: N.T.S.

DETAIL NO. WR–G_TH006

MAXIMUM PERMISSIBLE DEFLECTIONS

SIZE (NOM)	PUSH–ON–JOINT (18 FT. JOINTS) (20 FT. JOINTS)		MECHANICAL JOINT (18 FT. JOINTS) (20 FT. JOINTS)	
	DEGREE	MAX. OFFSET	DEGREE	MAX. OFFSET
3"	4.0	15"	4.5	17"
4"	4.0	15"	4.5	17"
6"	4.0	15"	4.5	17"
8"	4.0	15"	4.5	17"
10"	4.0	15"	4.5	17"
12"	4.0	15"	4.5	17"
14"	2.5	9.4"	3.0	11"
16"	2.0	7.5"	3.0	11"
20"	2.0	7.5"	2.0	7.5"
24"	2.0	7.5"	2.0	7.5"
30"	1.5	5.5"	2.0	7.5"
36"	1.5	5.5"	2.0	7.5"
42"	1.5	5.5"	1.5	5.5"
48"	1.5	5.5"	1.5	5.5"

NOTES:

1. WHEN A PIPE IS DEFLECTED, THE PIPE SHALL FIRST BE ASSEMBLED IN A STRAIGHT LINE, BOTH HORIZONALLY AND VERTICALLY BEFORE THE DEFLECTION IS MADE.

2. FOR MECHANICAL JOINT PIPE, THE BOLTS SHALL BE PARTIALLY TIGHTENED BEFORE THE LENGTH OF PIPE IS DEFLECTED. ANY SUPPORTED PIPE, SHALL BE SO SUPPORTED THAT THERE IS ZERO DEFLECTION EXCEPT WHERE EITHER A HORIZONAL OR VERTICAL CURVE ON A BRIDGE OR OTHER STRUCTURE IS INVOLVED.

3. THRUST RESTRAINTS MAY BE REQUIRED ON THE DEFLECTED JOINTS.

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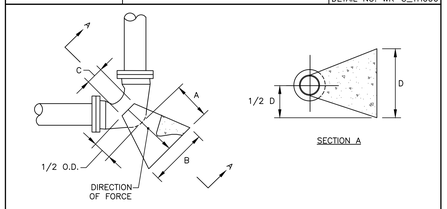
City of Atlanta

STANDARD DETAILS

MAXIMUM PERMISSIBLE JOINT DEFLECTIONS

REV.
DATE: OCT. 2011
ORIG. DATE: NOV. 2004
SCALE: N.T.S.

DETAIL NO. WR–G_DF001



NOTE:
ENGINEER SHALL VERIFY SOIL CONDITION BEFORE THRUST BLOCK DESIGN IS IMPLEMENTED.

DESIGN DATA:
DIMENSION OF THRUST BLOCK IN FEET BASED ON 2000 POUNDS PER SQUARE FOOT SOIL BEARING PRESSURE AND 250 PER SQUARE INCH TEST PRESSURE. ACTUAL INSIDE DIAMETER OF DUCTILE IRON PIPE, CLASS 2 USED AS STANDARD.

CONCRETE SHALL BE CLASS A,3000 P.S.I. HIGH EARLY.

MINIMUM DIMENSIONS IN FEET FOR CONCRETE BLOCKING

BEND	SIZE	A	B	C	D	VOLUME CUBIC YARD
11 1/4°	6"	1.0	1.0	7"	1.0	0.03
	8"	1.0	1.25	7"	1.0	0.04
	12"	1.0	2.0	11"	2.0	0.1
	16"	2.0	3.0	15"	2.0	0.3
	20"	2.0	3.0	19"	3.0	0.5
	24"	3.0	4.0	22"	3.0	0.8
22 1/2°	6"	1.0	1.5	7"	1.0	0.04
	8"	1.0	2.0	7"	2.0	0.1
	12"	2.0	3.0	11"	2.0	0.3
	16"	2.0	4.0	15"	3.0	0.6
	20"	3.0	5.0	19"	3.0	0.1
	24"	4.0	6.0	22"	4.0	2.3
45°	6"	1.5	2.0	7"	1.5	0.11
	8"	2.0	3.0	7"	2.0	0.3
	12"	2.0	4.0	11"	3.0	0.7
	16"	3.0	5.0	15"	4.0	1.4
	20"	4.0	6.0	19"	5.0	2.8
	24"	5.0	8.0	22"	6.0	5.0

BEND	SIZE	A	B	C	D	VOLUME CUBIC YARD
90° TEES AND PLUGS	6"	1.75	2.5	7"	2.0	0.2
	8"	2.0	3.0	7"	3.0	0.4
	12"	4.0	6.0	11"	4.0	2.1
	16"	4.0	7.0	15"	5.0	3.1
	20"	5.0	8.0	19"	7.0	5.3
	24"	6.0	10.0	22"	8.0	10.5
	6"	1.5	2.0	7"	1.75	0.13
	8"	2.0	3.0	7"	2.0	0.3
	12"	2.0	4.0	11"	4.0	0.8
	16"	3.0	5.0	15"	5.0	1.8
	20"	2.0	7.0	19"	6.0	3.9
	24"	2.0	8.0	22"	7.0	5.5

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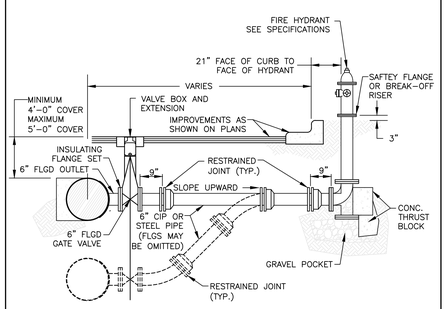
City of Atlanta

STANDARD DETAILS

TYPICAL HORIZONTAL THRUST BLOCK

REV.
DATE: OCT. 2011
ORIG. DATE: NOV. 2004
SCALE: N.T.S.

DETAIL NO. WR–G_TH005



TYPE "A" FIRE HYDRANT (FH) LATERAL

NOTES:
1. ALL FERROUS SURFACES OF PIPE AND APPURTENANCES TO BE PROVIDED WITH PROTECTIVE COATINGS PER SPECS.
2. PROVIDE STAINLESS STEEL NUTS, BOLTS AND WASHERS TO BURIED FLANGES AND COUPLINGS, EXCEPT FOR NON–METALLIC WASHERS TO BE PROVIDED AS PART OF INSULATING FLANGE SET.

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City of Atlanta

STANDARD DETAILS

TYPE "A" TYPICAL FIRE HYDRANT

REV.
DATE: OCT. 2011
ORIG. DATE: NOV. 2004
SCALE: N.T.S.

DETAIL NO. WR–G_FH002

Know what's below. Call before you dig.

NORTH

CITY OF ATLANTA, GEORGIA

Hartsfield-Jackson Atlanta International Airport

HSST

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NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

MISCELLANEOUS DETAILS

WBS NUMBER: D.07.55.009	DRAWN BY: SEI/JCS
FC NUMBER: FC-6006007929-A	DESIGNED BY: SEI/JCS
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: SEI/CWE
	APPROVED BY:
	DATE: 11/25/2014
	SCALE: 1" = 20'
SEAL	SHEET NO: C 17.1.5

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NOT ISSUED FOR CONSTRUCTION