

SITE 35 AIR MONITORING STATION

I-95 SOUTHBOUND

BROWARD COUNTY, FL

PROJECT #CMD 8312-2011-00

MARTIN DAVID KIAR

KRISTIN JACOBS

STACY RITTER

CHIP LAMARCA

LOIS WEXLER

SUE GUNZBURGER

TIM RYAN

BARBARA SHARIEF

DALE V.C. HOLNESS

BERTHA HENRY, COUNTY ADMINISTRATOR



SYNALOVSKI ROMANIK SAYE
Architecture • Planning • Interior Design

1800 Eller Drive, Suite 500
Fort Lauderdale, FL 33316

T 954.961.6806
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Manuel Synalovski, AIA
AR 0011628
SEAL

LICENSE NO. AA26001863

SITE 35 AIR MONITORING STATION
BROWARD COUNTY

I-95 SOUTHBOUND - SOUTH of SUNRISE BLVD.
FORT LAUDERDALE, FL

CLIENT: BROWARD COUNTY

ARCHITECT:

SYNALOVSKI ROMANIK SAYE, LLC.

1800 ELLER DRIVE, SUITE 500
FORT LAUDERDALE, FL 33316
PHONE: 954.961.6806
FAX: 954.961.6807

CIVIL ENGINEER :

KEITH & ASSOCIATES, INC.

301 EAST ATLANTIC BOULEVARD
POMPANO BEACH, FLORIDA 33306
(954) 788-3400
LICENSE NO. 7928

MEP ENGINEER:

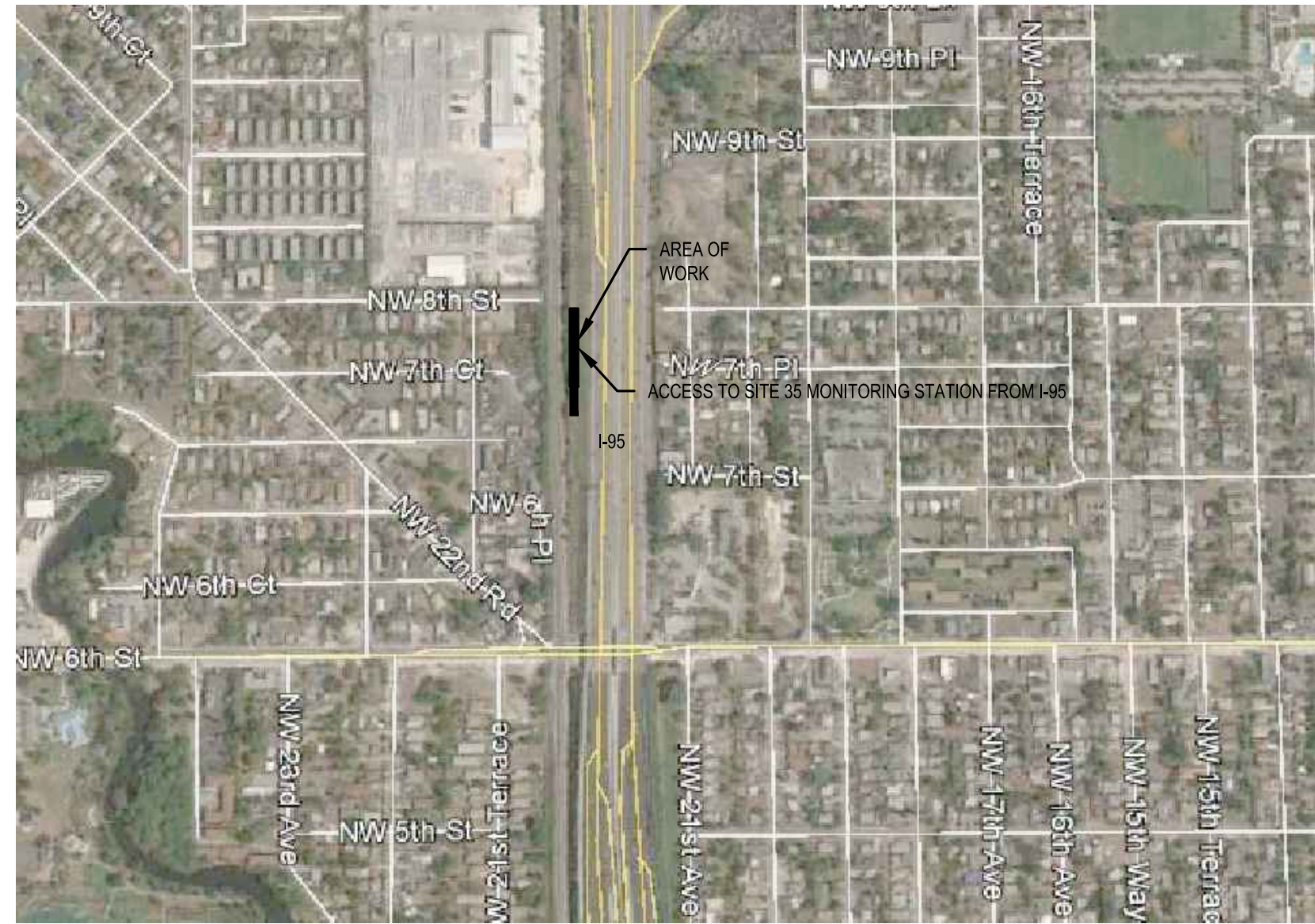
DELTA G CONSULTING ENGINEERS, INC.

707 N.E. 3RD AVE. SUITE 200
HOLLYWOOD, FLORIDA 33304
PH: (954) 527-1112

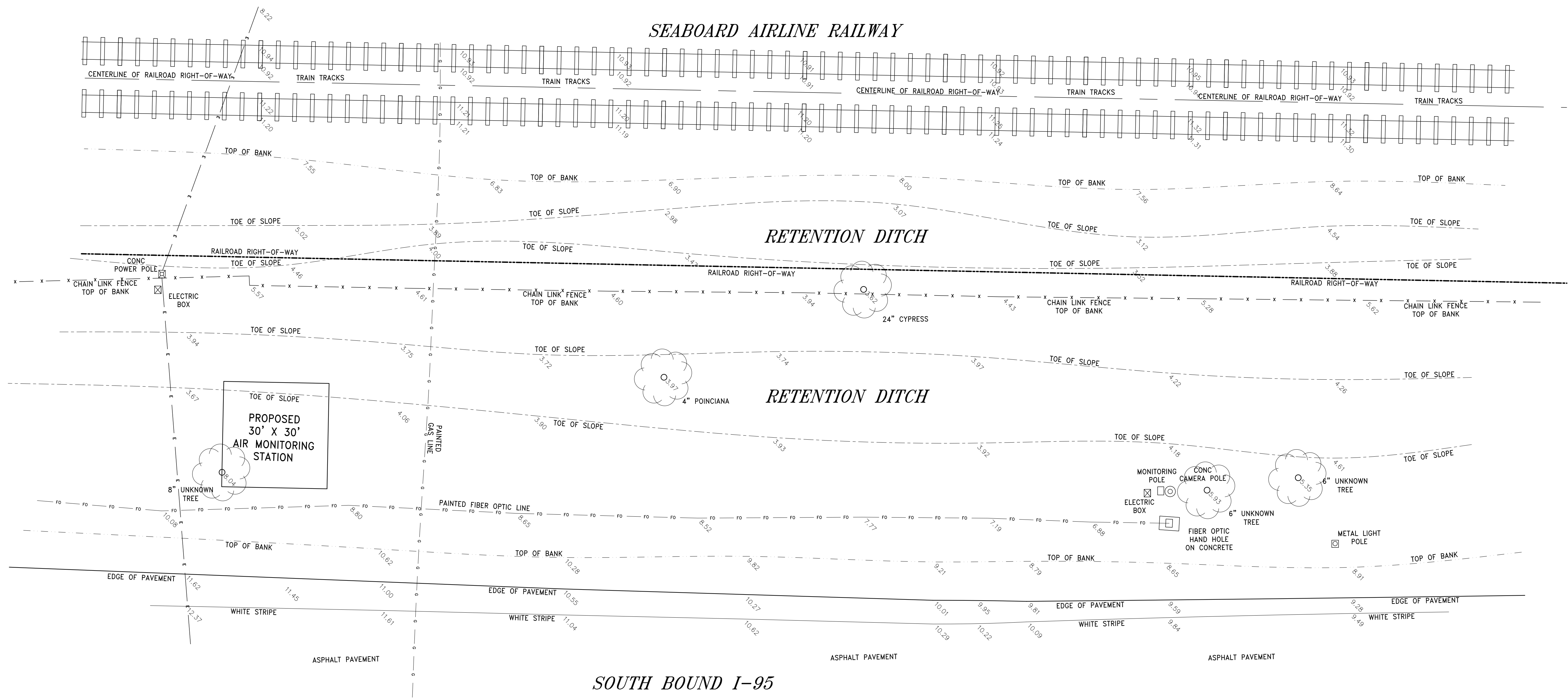
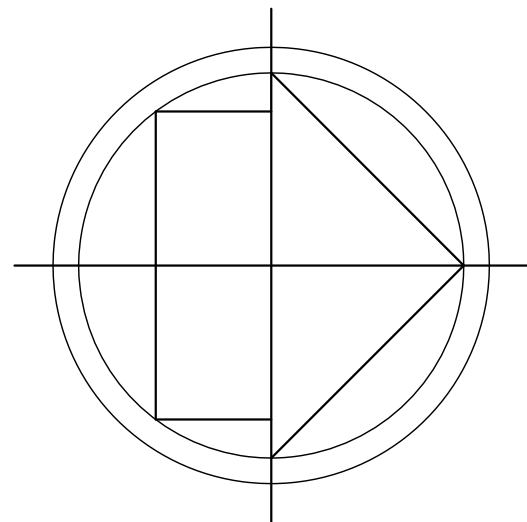
STRUCTURAL ENGINEER :

S & F ENGINEERS, INC.

2925 W. CYPRESS CREEK RD. SUITE 200
FORT LAUDERDALE, FLORIDA 33309
(954) 938-0020
LICENSE NO. 8852



SPECIFIC PURPOSE SURVEY



- LEGEND:
- | | |
|--------|--------------------------|
| CKD | CHECKED BY |
| CONC | CONCRETE |
| DWN | DRAWN BY |
| FB/PG | FIELD BOOK AND PAGE |
| SIR | SET IRON ROD & CAP #6448 |
| SNC | SET NAIL AND CAP #6448 |
| FIR | FOUND IRON ROD |
| FIP | FOUND IRON PIPE |
| FNC | FOUND NAIL AND CAP |
| FND | FOUND NAIL & DISC |
| P.B. | PLAT BOOK |
| B.C.R. | BROWARD COUNTY RECORDS |
| WPP | WOOD POWER POLE |
| -X- | CHAIN LINK/ WOOD FENCE |
| ELEV | ELEVATION |
| CBS | CONCRETE BLOCK STRUCTURE |
| -E- | OVERHEAD UTILITY WIRES |
| A/C | AIR CONDITIONER |
| YD | YARD DRAIN |
| 6.84 | ELEVATIONS |

NOTES :

- NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
- LANDS SHOWN HEREON WERE NOT ABSTRACTED FOR RIGHTS-OF-WAY, EASEMENTS, OWNERSHIP, OR OTHER INSTRUMENTS OF RECORD.
- THIS SURVEY WAS DONE SOLELY FOR DESIGN PURPOSES AND DOES NOT DEPICT THE JURISDICTION OF ANY MUNICIPAL, STATE, FEDERAL OR OTHER ENTITIES.
- ONLY PAINTED UNDERGROUND IMPROVEMENTS SHOWN.
- ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
- BENCHMARK DESCRIPTION : BROWARD COUNTY BENCHMARK # 3069
ELEVATION = 7.38'



LOCATION MAP (NTS)

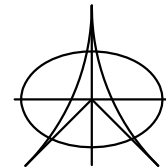
I HEREBY CERTIFY THAT THE "SPECIFIC PURPOSE SURVEY" OF THE HEREON DESCRIBED PROPERTY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AS SURVEYED IN THE FIELD UNDER MY DIRECTION IN JULY, 2013.
I FURTHER CERTIFY THAT THIS SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS FOR SURVEYING IN THE STATE OF FLORIDA ACCORDING TO CHAPTER 5J-17 OF THE FLORIDA ADMINISTRATIVE CODE. PURSUANT TO SECTION 472.027, FLORIDA STATUTES. THERE ARE NO ABOVE GROUND ENCROACHMENTS OTHER THAN THOSE SHOWN HEREON, SUBJECT TO THE QUALIFICATIONS NOTED HEREON.

FOR THE FIRM, BY: _____

RICHARD E. COUSINS
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA REGISTRATION NO. 4188

SURVEY DATE : 07/31/13

COUSINS SURVEYORS & ASSOCIATES, INC.



3921 SW 47TH AVENUE, SUITE 1011
DAVIE, FLORIDA 33314
CERTIFICATE OF AUTHORIZATION : LB # 6448
PHONE (954) 689-7766 FAX (954) 689-7799

CLIENT :

SYNALOVSKI ROMANIK SAYE

SITE 35 AIR MONITORING STATION

SPECIFIC PURPOSE SURVEY

REVISIONS		DATE	FB/PG	DWN	CKD
LOCATION AROUND MONITORING STATION		07/31/13	SKETCH	AM	REC
REVISED PROPOSED LOCATION OF 30' X 30' AIR MONITORING STATION		08/07/13	SKETCH	AM	REC

PROJECT NUMBER : 7076-13

SCALE : 1" = 16'

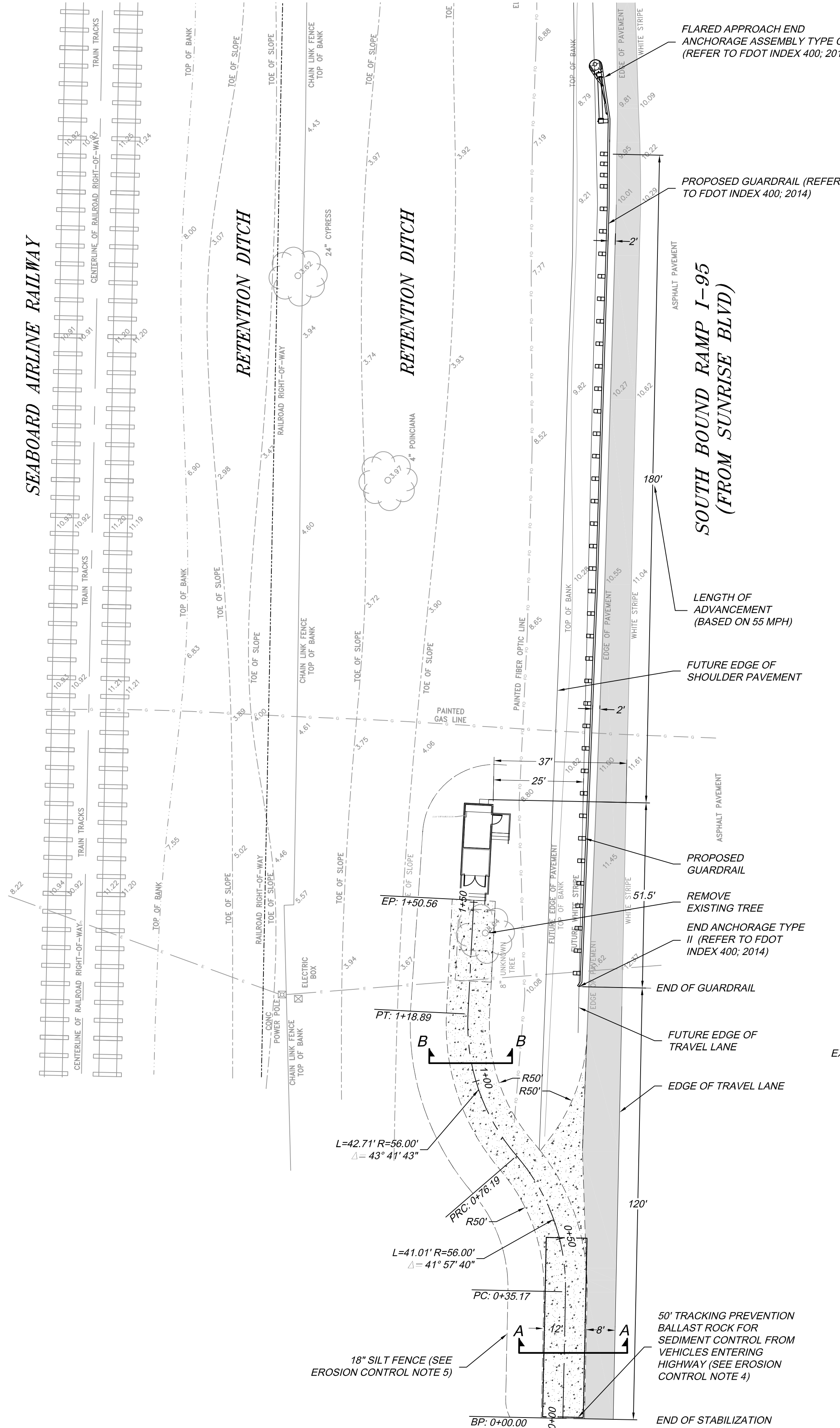
SHEET
1
OF
1
SHEET

GENERAL NOTES:

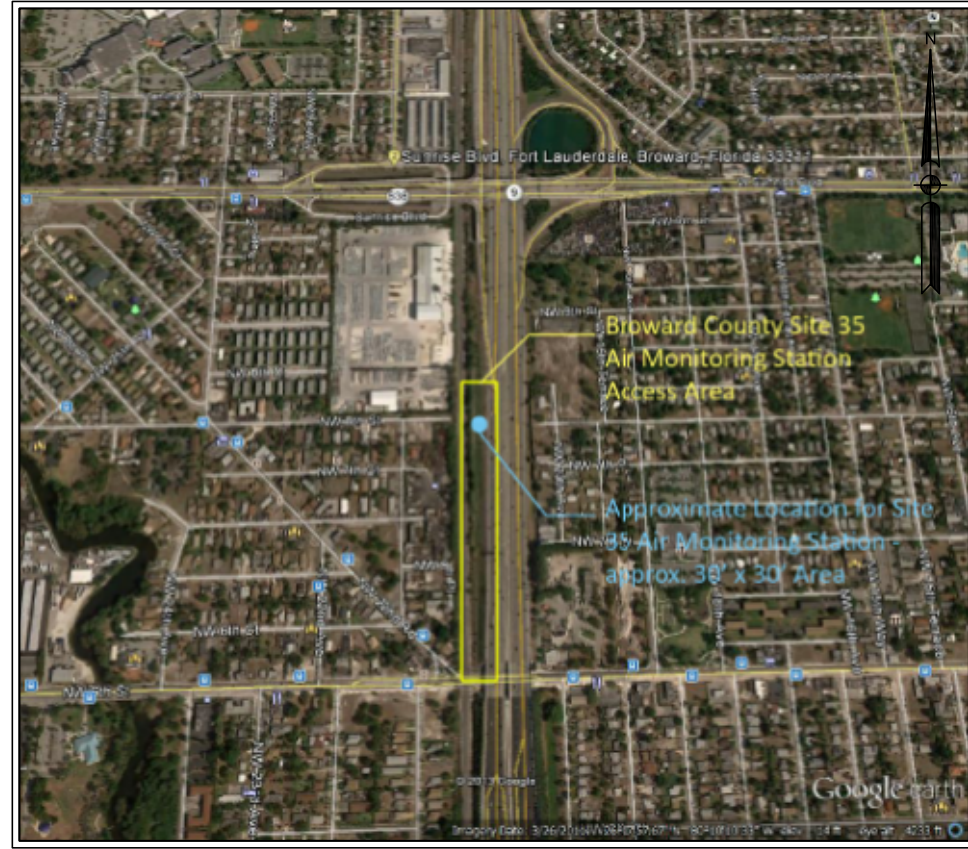
1. THE LOCATION AND SIZE OF ALL EXISTING UTILITIES AND TOPOGRAPHY HAVE BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE ENGINEER. THIS INFORMATION IS NOT GUARANTEED AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ANY EXISTING UTILITIES AND TOPOGRAPHY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRONIC METHODS AND BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES. PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS, THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
2. THE TOPOGRAPHIC SURVEY INCLUDED WITH THIS SET OF PLANS REFLECTS EXISTING CONDITIONS. THE CONTRACTOR IS FULLY AND SOLELY RESPONSIBLE IN DETERMINING THE REQUIRED EARTHWORK FOR THE PROPOSED DEVELOPMENT OF THE SITE. THIS INCLUDES, BUT IS NOT LIMITED TO, ANY EXCAVATION/DREDGE AND FILL ACTIVITIES REQUIRED AT ANY PHASE OF THE PROJECT. THE CONTRACTOR SHALL USE THE FINAL APPROVED (RELEASED FOR CONSTRUCTION) PLANS, SURVEYS, GEOTECHNICAL REPORTS, AND ANY OTHER AVAILABLE INFORMATION FOR DETERMINING THE AMOUNT OF EXCAVATION/DREDGING AND FILLING REQUIRED.
3. CONTRACTOR IS RESPONSIBLE FOR CLEARING/GRUBBING WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CLEARING ALL UNDESIRABLE VEGETATION AND TREE REMOVAL WITHIN PROJECT LIMITS. CONTRACTOR IS RESPONSIBLE FOR PROCESSING TREE REMOVAL PERMITS THROUGH THE AGENCIES HAVING JURISDICTION AND FOR PROVIDING REQUIRED TREE/ROOT PROTECTION MEASURES. BURNING OF PLANTS OR FIRES ARE STRICTLY PROHIBITED FOR TREE REMOVAL. FOR TREE REMOVAL ALL STUMPS, MAIN ROOT BALL AND ROOT SYSTEM ARE TO BE REMOVED.
4. ALL WASTE MATERIAL/DEBRIS TO BE PROPERLY DISPOSED OF OFF-SITE BY CONTRACTOR.
5. ALL AREAS OUTSIDE THE PROJECT LIMITS DAMAGED BY THE CONSTRUCTION WORK MUST BE RESTORED TO ITS ORIGINAL CONDITION, INCLUDING AREAS COVERED WITH SOD, CONCRETE, AND PAVEMENT.
6. DEMOLITION WORK TO BE PERFORMED IN ACCORDANCE WITH THE MINIMUM STANDARDS OF THE REGULATORY AGENCIES HAVING JURISDICTION.
7. DEMOLITION WORK TO BE CLOSELY COORDINATED WITH PROPOSED IMPROVEMENTS TO MINIMIZE ANY POSSIBLE DELAYS AND/OR INCONVENIENCES.
8. THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK TO MINIMIZE INCONVENIENCE/DISTURBANCE TO ADJACENT OCCUPIED AREAS. DEMOLITION WORK SHALL BE COMPLETED IN AN ORDERLY AND CAREFUL MANNER AS REQUIRED TO ACCOMMODATE PROPOSED IMPROVEMENTS AND PREVENT DAMAGE AND EXCESSIVE NOISE/VIBRATION SO AS NOT TO DISTURB ADJACENT OCCUPIED AREAS. ANY OPERATION THAT MAY CAUSE DISTURBANCE SHALL BE COORDINATED WITH THE CITY/COUNTY/FDOT. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING THE DEMOLITION WORK WITH THE CITY/COUNTY/FDOT PRIOR TO START OF WORK TO MINIMIZE THE DISRUPTION OF SERVICES AND PROVIDE CONTINUOUS MAINTENANCE OF TRAFFIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT NO UTILITY SERVICE IS INTERRUPTED AT ANY TIME TO ANY ADJACENT PROPERTIES.
9. THE CONTRACTOR SHALL MAINTAIN CONTINUOUS SAFE AND ADEQUATE VEHICULAR ACCESS THROUGHOUT CONSTRUCTION OPERATIONS.
10. CONTRACTOR IS RESPONSIBLE FOR PROVIDING MAINTENANCE OF TRAFFIC THROUGHOUT CONSTRUCTION. THE MOT SHALL BE PERFORMED IN ACCORDANCE TO THE MUTCD AND FDOT STANDARDS AND SHALL BE APPROVED BY THE COUNTY, CITY, FDOT, THE ENGINEER AND ANY OTHER APPLICABLE AGENCIES PRIOR TO STARTING CONSTRUCTION OF THE PROJECT. NO WORK SHALL COMMENCE UNTIL ALL MAINTENANCE OF TRAFFIC FACILITIES ARE IN PLACE.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR READING AND FAMILIARIZING THEMSELVES WITH ALL OF THE PERMITS PREVIOUSLY ACQUIRED FOR THIS PROJECT. THE CONDITIONS OUTLINED IN THE PERMITS ARE IN FORCE AND FULL EFFECT AS PART OF THE PROPOSED IMPROVEMENTS. THE CONTRACTOR IS RESPONSIBLE TO ENSURE ALL WORK ASSOCIATED WITH THIS PROJECT IS IN COMPLIANCE WITH ALL OF THE REQUIREMENTS OF THESE PERMITS AS WELL AS ANY GOVERNING AGENCY HAVING JURISDICTION OVER THE PROJECT.
12. THE CONTRACTOR WILL BE RESPONSIBLE FOR ACQUIRING A VALID NPDES PERMIT, UNLESS SUCH PERMIT IS DETERMINED TO BE NON-APPLICABLE BY REGULATORY AGENCY HAVING PROPER JURISDICTION REGARDING THIS MATTER. REGARDLESS OF WHETHER AN NPDES PERMIT IS REQUIRED, THE CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO CONTAIN ALL UNCONFINED PARTICULATE MATTER WITHIN THE PROJECT BOUNDARIES.
13. CONTRACTOR SHALL ADJUST/RESTORE ALL STRUCTURE/BOX FRAMES & COVERS, AND EXISTING SIGNAGE/PAVEMENT MARKINGS AFFECTED BY THE PROPOSED IMPROVEMENTS & NEW LAYOUT. CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTATION.
14. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY RELOCATION AND GRADE ADJUSTMENTS WITHIN PROJECT LIMITS AND FOR COORDINATION WITH APPLICABLE UTILITY COMPANIES PRIOR TO ADJUSTMENTS. CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA, INC. AT 811.
15. INFORMATION AS THE LOCATION OF EXISTING UTILITIES HAS BEEN COLLECTED FROM VARIOUS SOURCES. THE RESULTS OF SUCH INVESTIGATIONS AS SHOWN ON THE DRAWINGS ARE NOT GUARANTEED AS TO THE ACCURACY. THE CONTRACTOR SHALL MAKE ALL NECESSARY INVESTIGATIONS TO SATISFY HIMSELF AS TO THE EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION ACTIVITIES.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO SAID UTILITIES AS A RESULT OF CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR INVESTIGATING CONFLICTS BETWEEN ALL EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ALL CONFLICTS.
17. THE CONTRACTOR SHALL MINIMIZE THE AREA OF HARMONIZATION BY GRADING THE AREA TO BEST FIT THE EXISTING CONDITIONS. ALL DISTURBED AREAS SHALL BE RESTORED TO MATCH EXISTING CONDITIONS. FOLLOWING THE COMPLETION OF THE BUILDING CONSTRUCTION THE CONTRACTOR SHALL FULLY RESTORE THE ACCESS DRIVE AND SOD SAME FOR OPERATIONAL USE.
18. REFER TO ARCHITECTURAL, PLUMBING AND/OR ELECTRICAL PLANS FOR ADDITIONAL DEMOLITION REQUIREMENTS & PROPOSED IMPROVEMENTS.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY RECORD DRAWINGS TO THE COUNTY. ONCE THE RECORD DRAWINGS ARE APPROVED BY THE COUNTY, THE COUNTY WILL SUBMIT FINAL COMPLETION PACKAGES WITH COPIES OF THE RECORD DRAWINGS TO THE AGENCIES FOR PERMIT CLOSE-OUTS. THE RECORD DRAWINGS SHALL INDICATE ALL INFORMATION REQUIRED BY THE COUNTY, FDOT AND ANY OTHER AGENCIES HAVING JURISDICTION. THE RECORD DRAWINGS PROVIDED BY THE CONTRACTOR SHALL BE SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR CURRENTLY REGISTERED IN THE STATE OF FLORIDA AND SHALL BE FIRST REVIEWED BY THE CONTRACTOR TO ASSURE THEY ARE SUFFICIENTLY ACCURATE, CLEAR AND LEGIBLE TO SATISFY THE COUNTY, FDOT AND ANY OTHER PERMITTING AGENCIES IN ORDER TO OBTAIN PERMIT CLOSE-OUTS. THE PROJECT WILL NOT BE CONSIDERED COMPLETE UNTIL ALL PERMITS HAVE BEEN CLOSED-OUT.
20. CONTRACTOR SHALL RETAIN A FLORIDA LICENSED SURVEYOR TO ESTABLISH THE HORIZONTAL CONTROL FOR THIS PROJECT. A LAYOUT PLAN FOR THE PROPOSED IMPROVEMENTS MUST BE SUBMITTED AND APPROVED BY BROWARD COUNTY WITH SET HORIZONTAL CONTROL MONUMENTS DEPICTED ON SAID PLAN FOR SITE INSPECTION REFERENCE BY ALL PARTIES.

EROSION CONTROL NOTES:

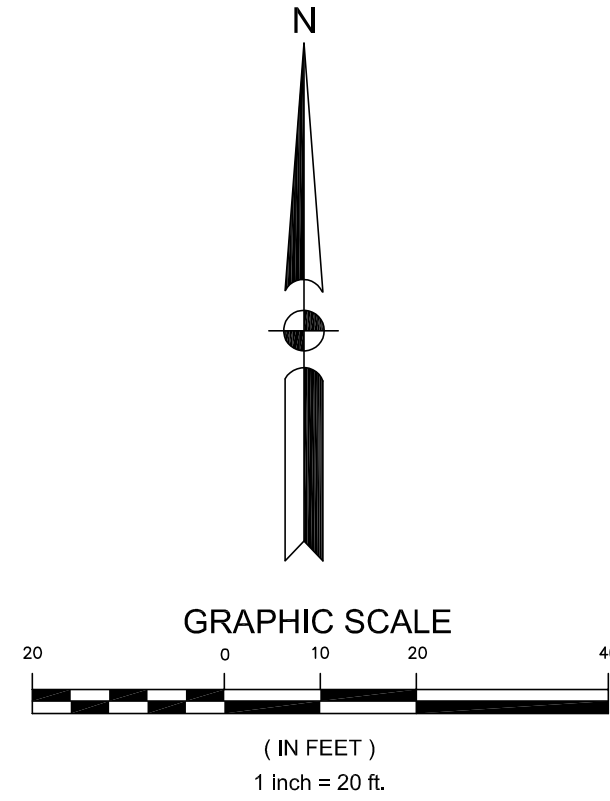
1. THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN FLORIDA (HEREAFTER REFERRED TO AS FL GUIDELINES).
2. MAINTENANCE MEASURES SHALL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION CYCLE. AFTER EACH RAINFALL, A VISUAL INSPECTION SHALL BE MADE OF ALL INSTALLED EROSION CONTROL MEASURES AND REPAIRS SHALL BE CONDUCTED TO ENSURE THEIR CONTINUING FUNCTION AS DESIGNED.
3. CATCH BASIN, INLETS AND STORM SEWER MANHOLES STRUCTURES SHALL BE PROTECTED DURING CONSTRUCTION OPERATIONS FROM SEDIMENT RUNOFF AND DEBRIS BY PLACING A FILTER FABRIC MATERIAL IN THE FRAME AND GRATE/MANHOLE COVER. PREVENTIVE METHODS MUST BE UTILIZED AROUND THESE STRUCTURES (DURING CONSTRUCTION OPERATIONS) BY GRADING TO DRAIN AWAY FROM STRUCTURES AND ANY OTHER METHODS APPROVED BY THE AGENCY HAVING JURISDICTION OR DESIGN ENGINEER OF RECORD.
4. THE CONTRACTOR SHALL INSTALL A SOIL TRACKING PREVENTION DEVICE AS PER FDOT DESIGN STANDARDS 2010 INDEX 106. THE CONTRACTOR SHALL TAKE MEASURES TO INSURE THE CLEANUP OF SEDIMENTS THAT HAVE BEEN TRACKED BY VEHICLES OR HAVE BEEN TRANSPORTED BY WIND OR STORM WATER ABOUT THE SITE OR ONTO NEARBY ROADWAYS. STABILIZED CONSTRUCTION ENTRANCES AND CONSTRUCTION ROADS, IF APPROPRIATE, SHALL BE IMPLEMENTED IN ORDER TO REDUCE OFFSITE TRACKING.
5. THE CONTRACTOR SHALL INSTALL A TYPE III SILT FENCE (18") AS PER FDOT DESIGN STANDARDS 2010 INDEX 102.



NOTE: TRUCK ACCESS TO THIS SITE WILL BE VIA THE ADJACENT RAMP AND NOT FROM THE THROUGH LANES OF I-95.

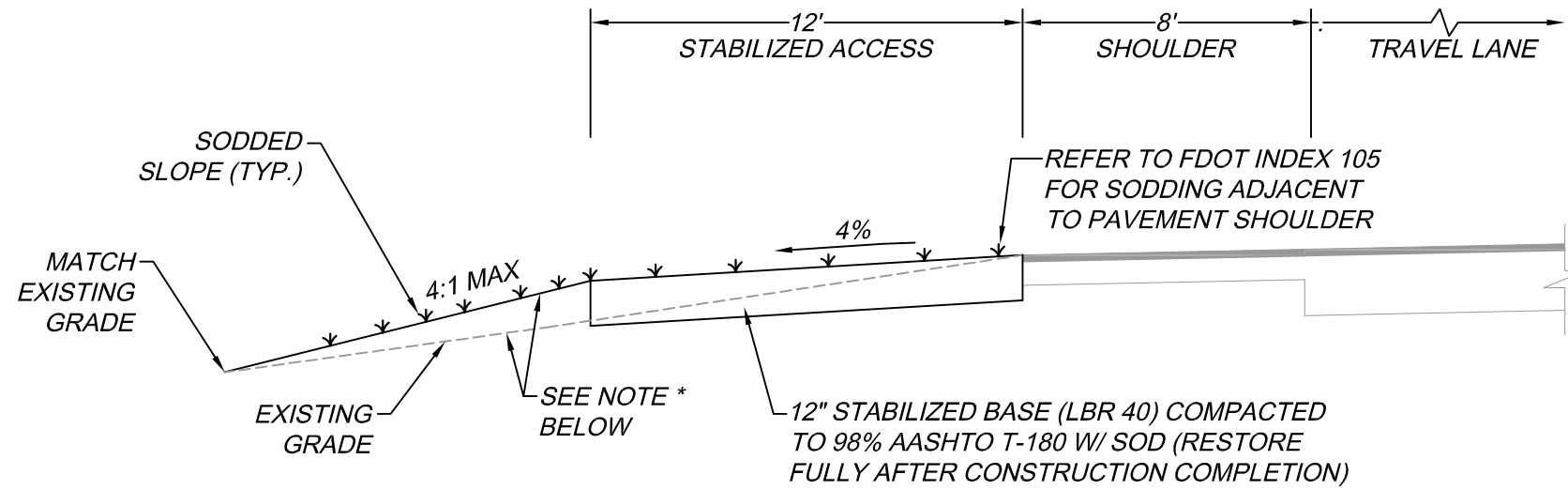


VICINITY MAP
(NOT TO SCALE)

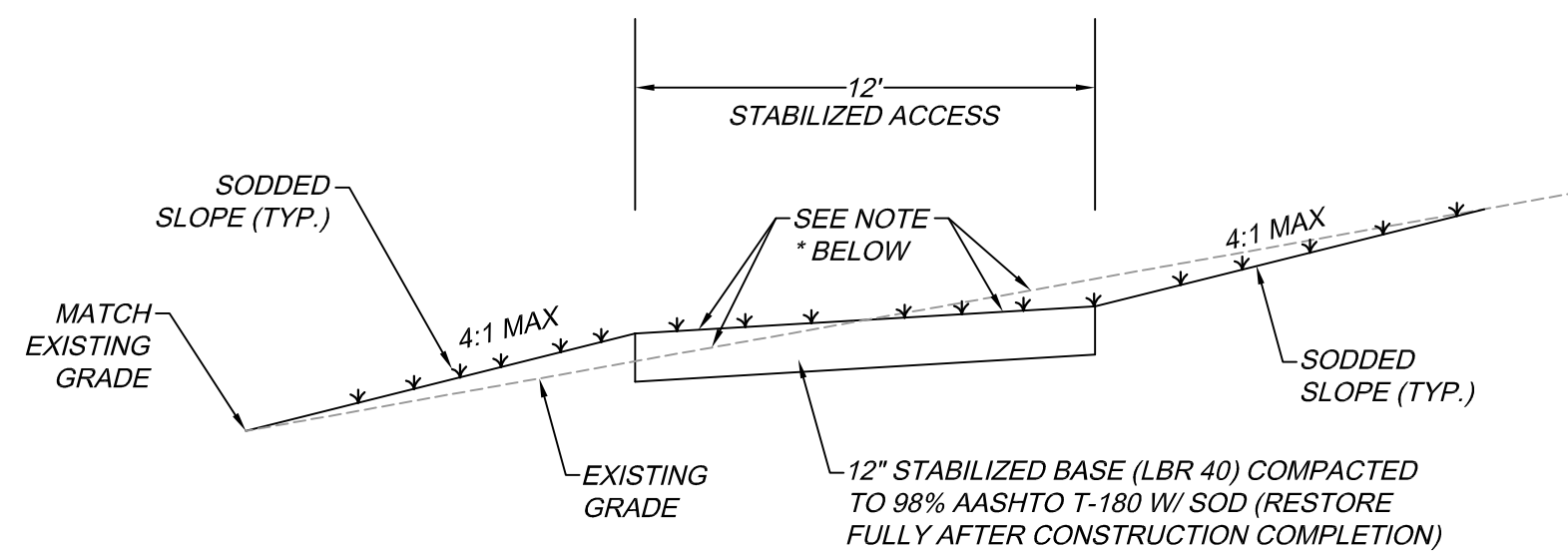


LEGEND

- PROPOSED STABILIZED ENTRANCE
- EXISTING 8' PAVED SHOULDER
- 18" SILT FENCE



SECTION A-A
N.T.S.



SECTION B-B
N.T.S.

* NOTE: THERE SHALL BE NO NET INCREASE IN SWALE VOLUME ENCROACHMENT WITH THE PROPOSED GRADING. CONTRACTOR SHALL CONSTRUCT STABILIZED ACCESS SUCH THAT IMPORTED LIMEROCK AND SODDING VOLUME EQUALS EXPORTED CUT VOLUME. APPROVAL OF THE STAKED GRADING SHALL BE PROVIDED BY BROWARD COUNTY TO CONCUR THAT THIS REQUIREMENT IS MET PRIOR TO COMMENCING ANY EARTHWORK.



301 EAST ATLANTIC BOULEVARD
POMPANO BEACH, FLORIDA 33060-8643
(954) 788-3400 FAX (954) 788-3500
STATE OF FLORIDA CERTIFICATE OF
AUTHORIZATION NUMBER - 7928

AIR MONITORING STATION 35
GRADING PLAN

CITY OF FORT LAUDERDALE BROWARD COUNTY, FLORIDA

SHEET NO. C-1

PROJECT NO. 08400.10

DATE: OCTOBER 2013
SCALE: 1" = 10'
DRAWN BY: S.B.
DESIGN BY: S.B.
CHECKED BY: J.T.

DATE	REVISION	COUNTY COMMENTS DATED 11/15/13
11/22/13	1	COUNTY COMMENTS
04/07/14	2	FDOT COMMENTS
04/16/14	3	COUNTY COMMENTS

JAMES A. THIELE, P.E.
FLORIDA LICENSED SURVEYOR
(FOR THE FIRM)

MAINTENANCE OF TRAFFIC GENERAL NOTES:

1. THE MAINTENANCE OF TRAFFIC FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS. THE CURRENT EDITION OF FLORIDA DOT DESIGN STANDARDS (600 SERIES) SHALL GOVERN THE TRAFFIC CONTROL WORK.
2. CURRENT EDITIONS OF FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES SHALL ALSO GOVERN THE MAINTENANCE OF TRAFFIC WORK.
3. CONTRACTOR SHALL INSTALL CONSTRUCTION SIGNING PRIOR TO COMMENCEMENT OF CONSTRUCTION AND MAINTAIN SIGNING DURING ALL PHASES OF CONSTRUCTION. THESE TRAFFIC CONTROLS SHALL REMAIN IN PLACE UNTIL ALL WORK FOR THIS PROJECT IS COMPLETED. FOLLOWING ACCEPTANCE OF THE WORK BY ALL APPLICABLE AGENCIES THESE TRAFFIC CONTROLS SHALL BE PROMPTLY REMOVED.
4. THIS PLAN IS DETAILED FROM FDOT INDEX 602. CONTRACTOR SHALL REFER TO INDEX 602 FOR POSITIONING AND INTERVAL REQUIREMENTS OF THE CONES. THE CONES SHALL BE PROVIDED IN ACCORDANCE WITH FDOT INDEX 600, SHEET 12 OF 13 (2014).
5. FOLLOWING THE INSTALLATION OF THE TRAFFIC CONTROLS, THE SEQUENCE OF CONSTRUCTION SHALL PROCEED WITH THE GUARDRAIL INSTALLATION AND SUBSEQUENTLY THE STABILIZED ACCESS TO THE BUILDING STRUCTURE.

SIGNAGE STANDARDS:

ROAD WORK AHEAD (WITH 18" X 18" FLAG AND TYPE B LIGHT): W20-1F, 4' X 4'

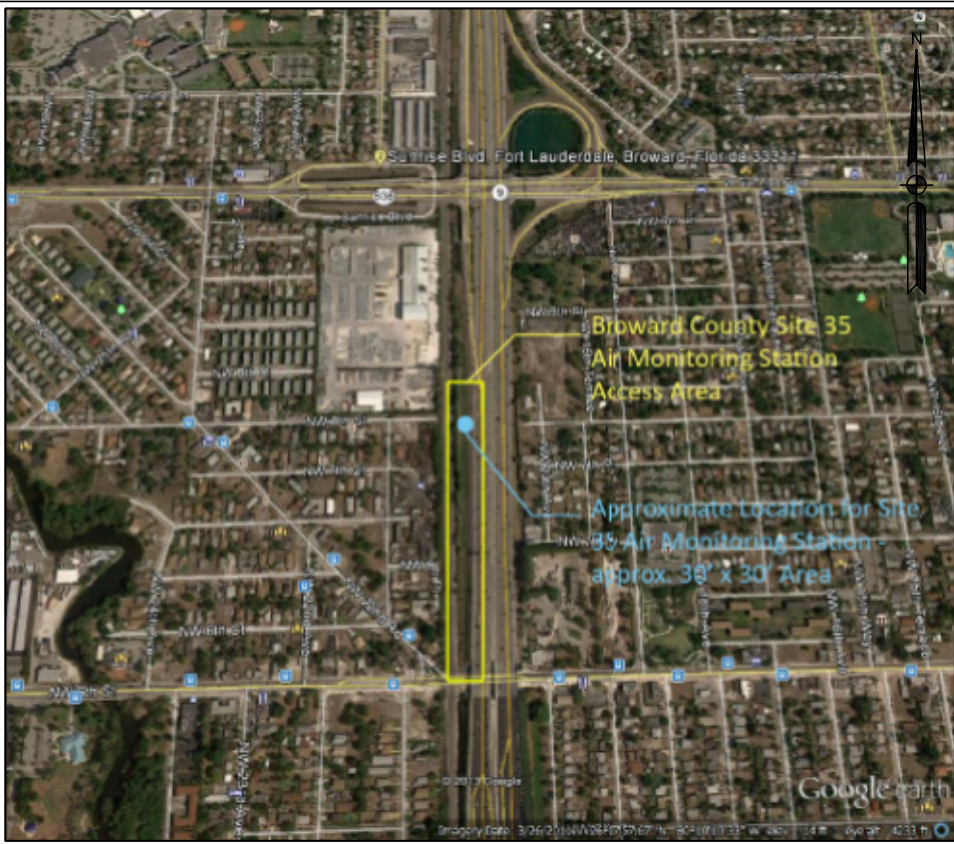
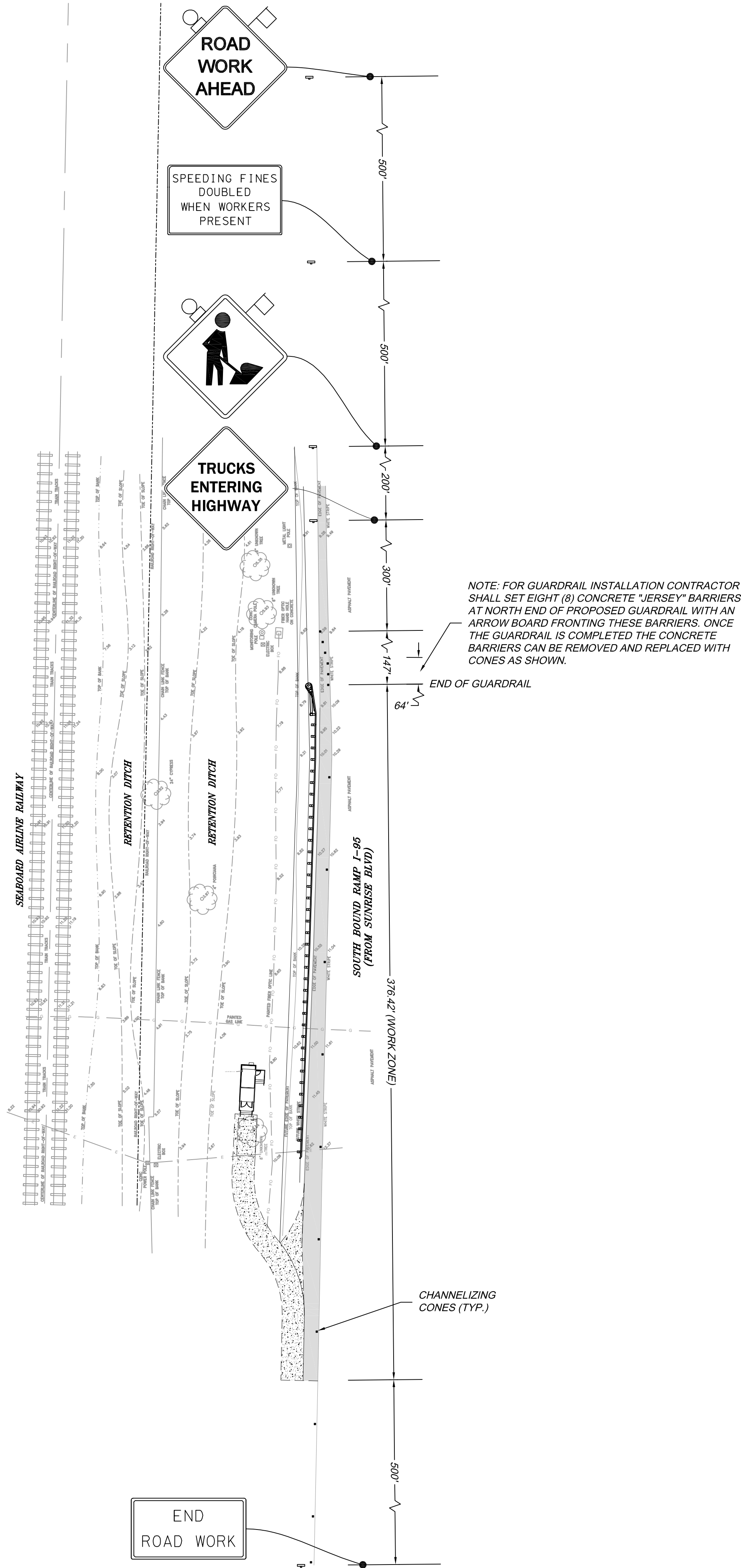
SPEEDING FINES DOUBLED WHEN WORKERS PRESENT: MOT-13-06, 6' X 4'

"WORKER SYMBOL" (WITH 18" X 18" FLAG AND TYPE B LIGHT): W21-1, 4' X 4'

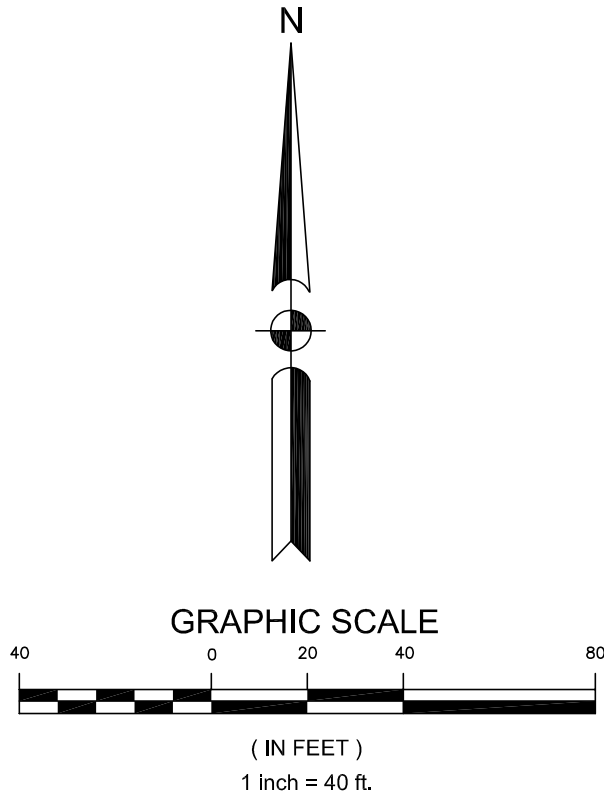
TRUCKS ENTERING HIGHWAY: MOT-6-06, 5' X 5'

END ROAD WORK: G20-2, 4' X 2'

NOTE: REFER TO FDOT INDEX 600 AND 17355 FOR FURTHER DETAILING OF SIGNS.



VICINITY MAP
(NOT TO SCALE)



LEGEND

- PROPOSED STABILIZED ENTRANCE
- EXISTING 8' PAVED SHOULDER
- CHANNELIZING TRAFFIC CONES (REFER TO FDOT INDEX 602 FOR PLACEMENT AND INTERVAL SPACING)
- PROPOSED MOT SIGN

DATE:	OCTOBER, 2013
SCALE:	1" = 10'
DRAWN BY:	S.B.
DESIGN BY:	S.B.
CHECKED BY:	J.T.

DATE	REVISION
04/07/14	FDOT COMMENTS
04/16/14	COUNTY COMMENTS

JAMES A. THIELE, P.E.
FLORIDA LICENSE #33256
(FOR THE FIRM)



301 EAST ATLANTIC BOULEVARD
POMPANO BEACH, FLORIDA 33060-6643
(954) 788-3400 FAX (954) 788-3500
STATE OF FLORIDA CERTIFICATE OF
AUTHORIZATION NUMBER - 7928

AIR MONITORING STATION 35
MAINTENANCE OF TRAFFIC (MOT) PLAN

CITY OF FORT LAUDERDALE BROWARD COUNTY, FLORIDA

SHEET NO. C-2

PROJECT NO. 08400.10

T 954.961.6806
F 954.961.6807

AR 0011628
SEAL

LICENSE NO. AA26001863

SITE 35 AIR MONITORING STATION BROWARD COUNTY

I-95 SOUTHBOUND - SOUTH of SUNRISE BLVD.
FORT LAUDERDALE, FL

CLIENT: BROWARD COUNTY

[illegible]

DESIGN
DELIVERABLE: PERMIT
ISSUE DATE: 04.17.14

PROJECT NUMBER: 1059-120610

DRAWN BY: MR

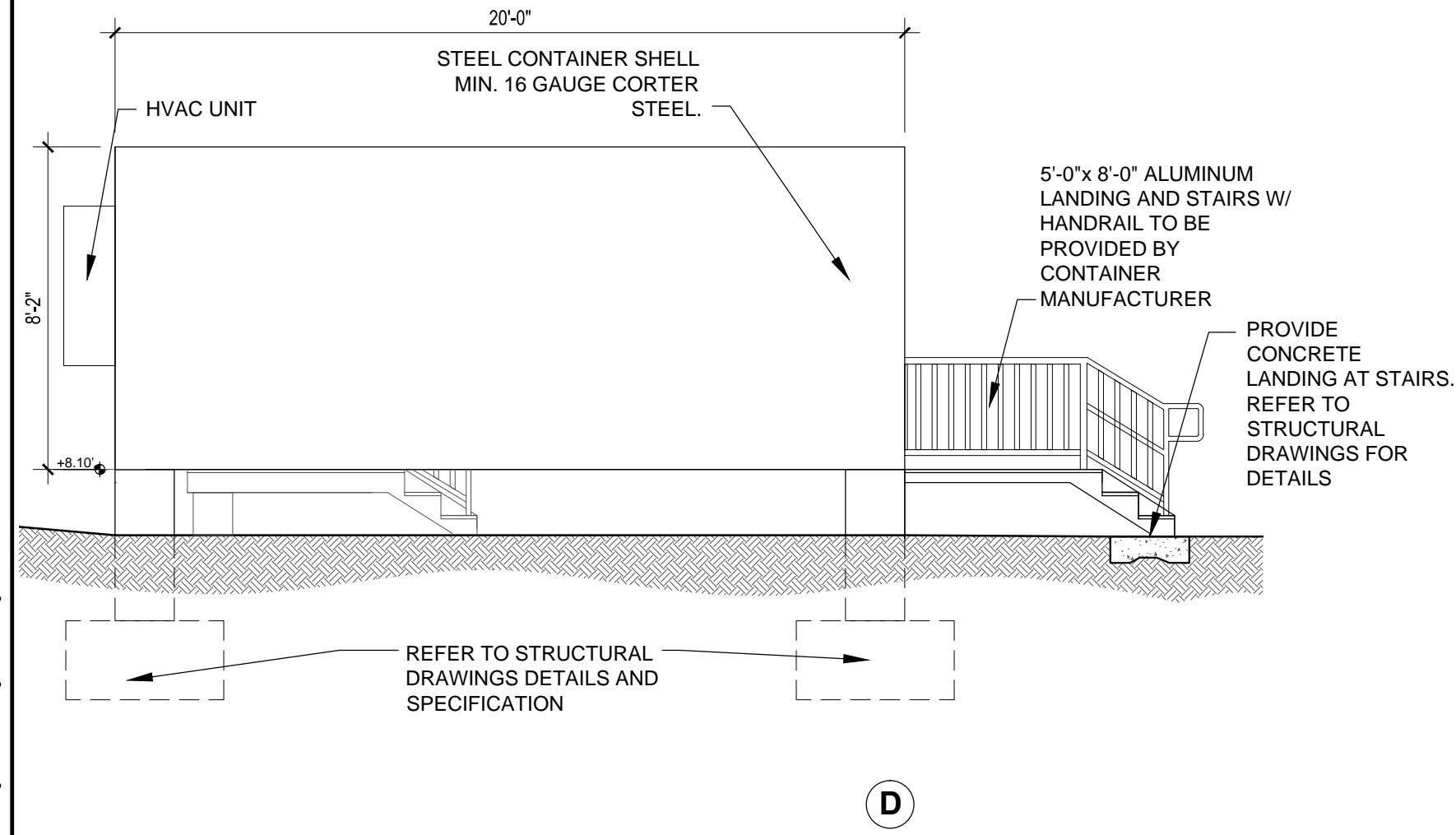
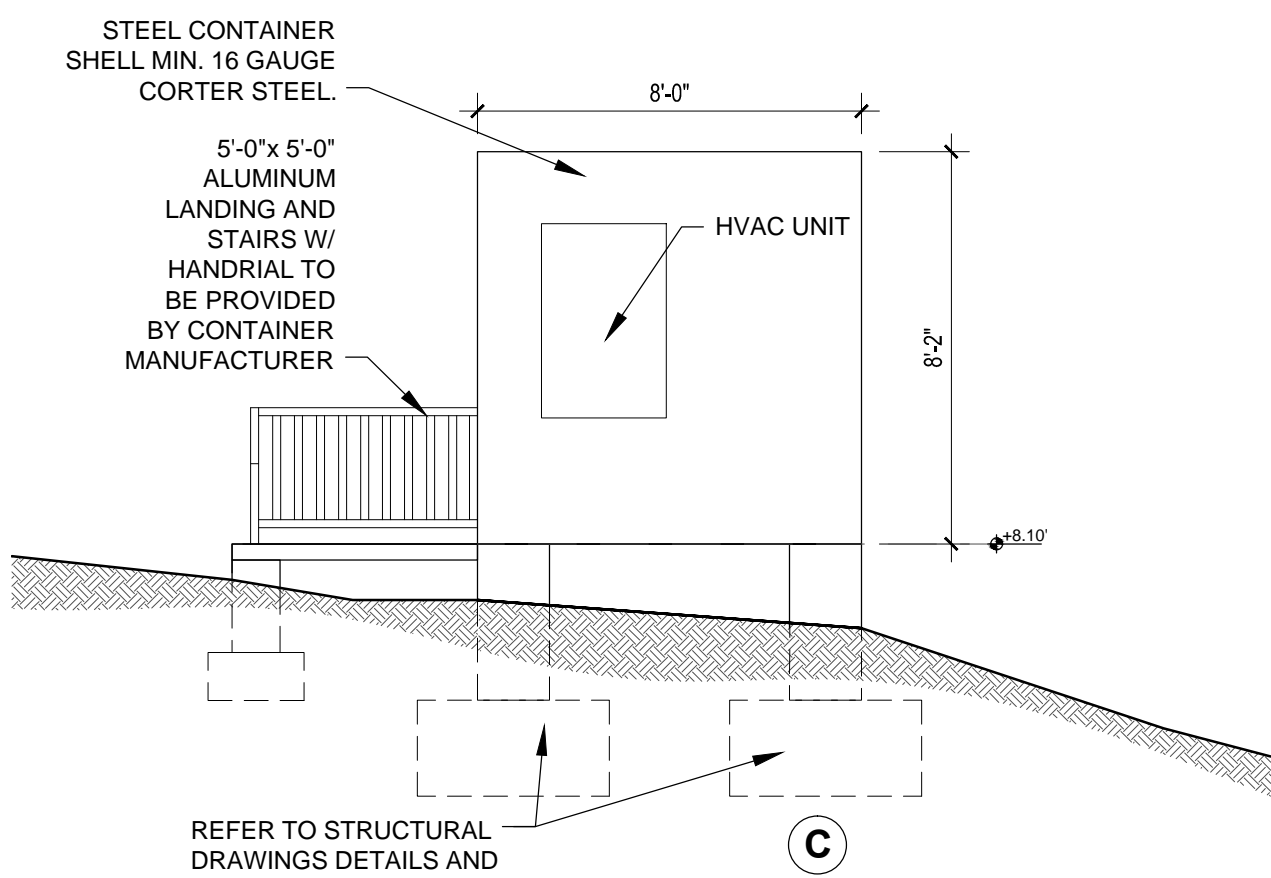
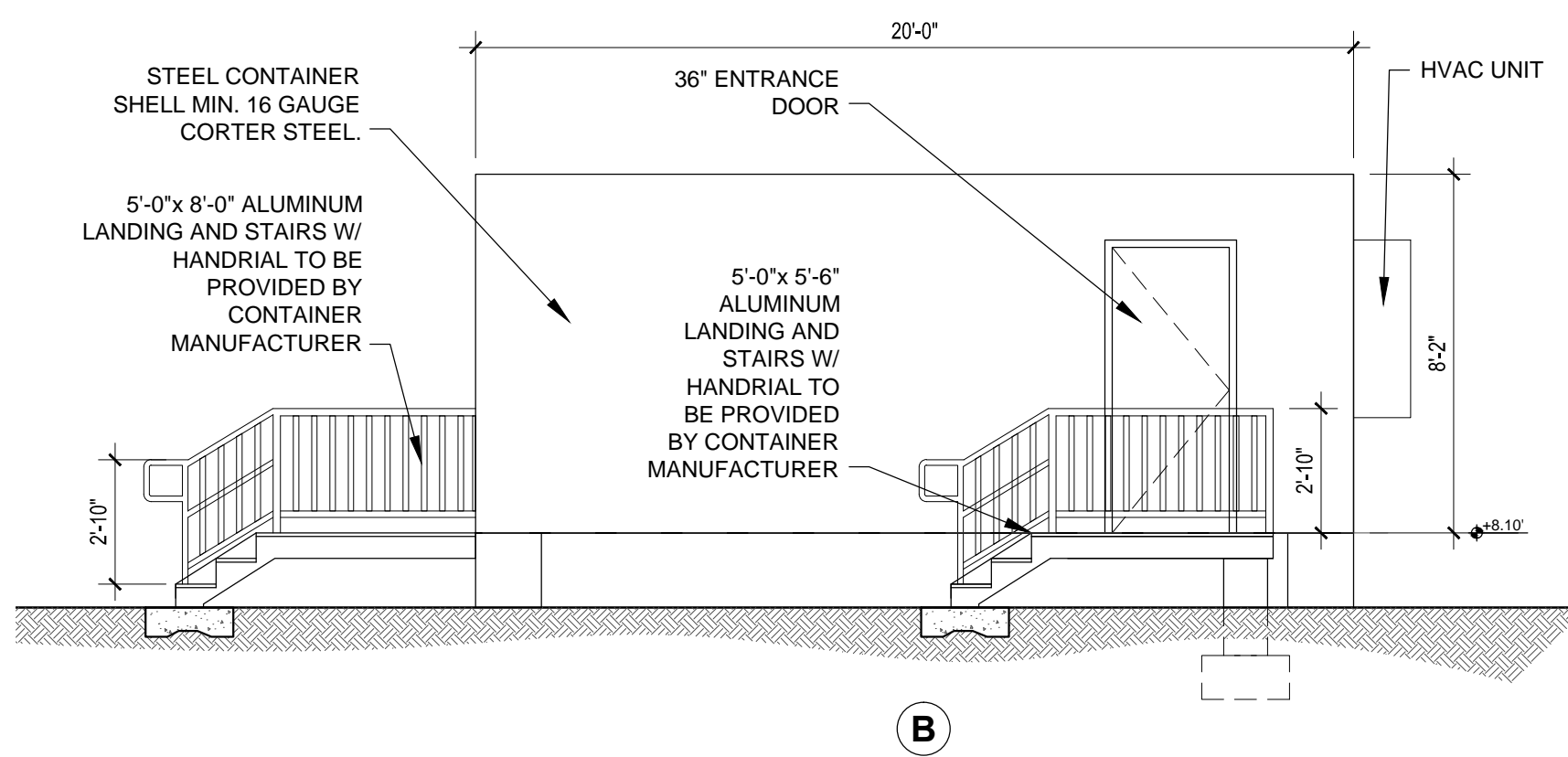
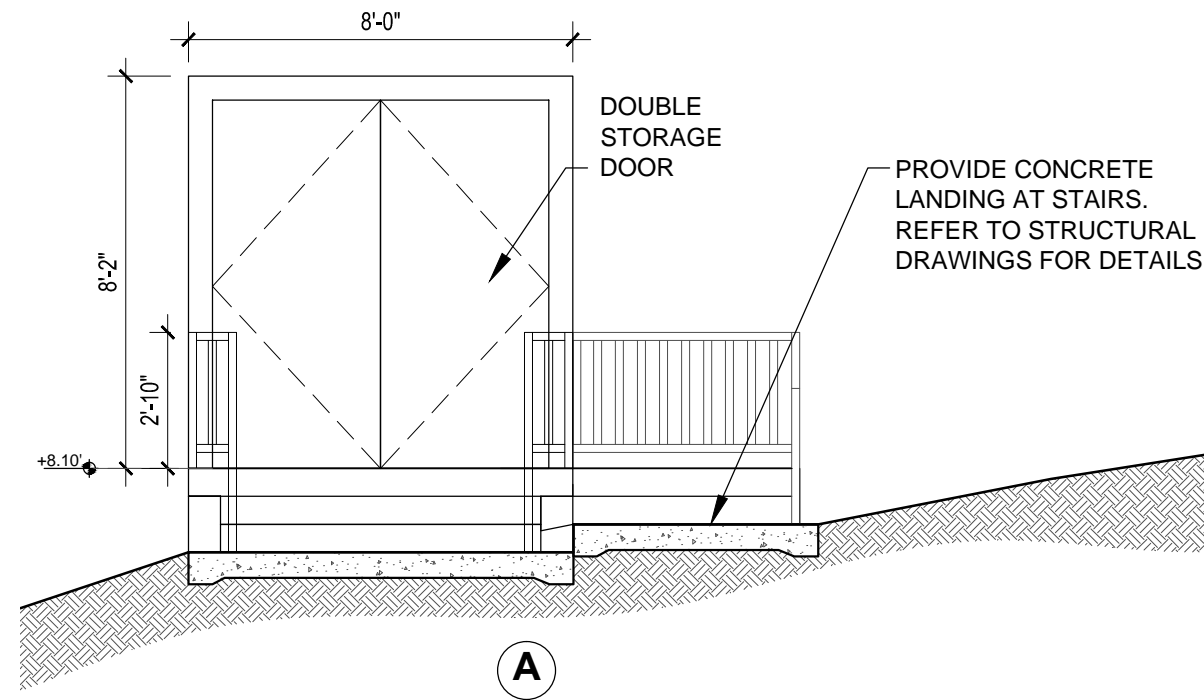
CHECKED BY: MR

SHEET TITLE

**SITE PLAN/
FLOOR PLAN/
ELEVATIONS & DTLS.**

SHEET NUMBER

AS-101



STAIR NOTES

THREAD HEIGHT: 7" MAX.
THREAD DEPTH : 11" MIN.

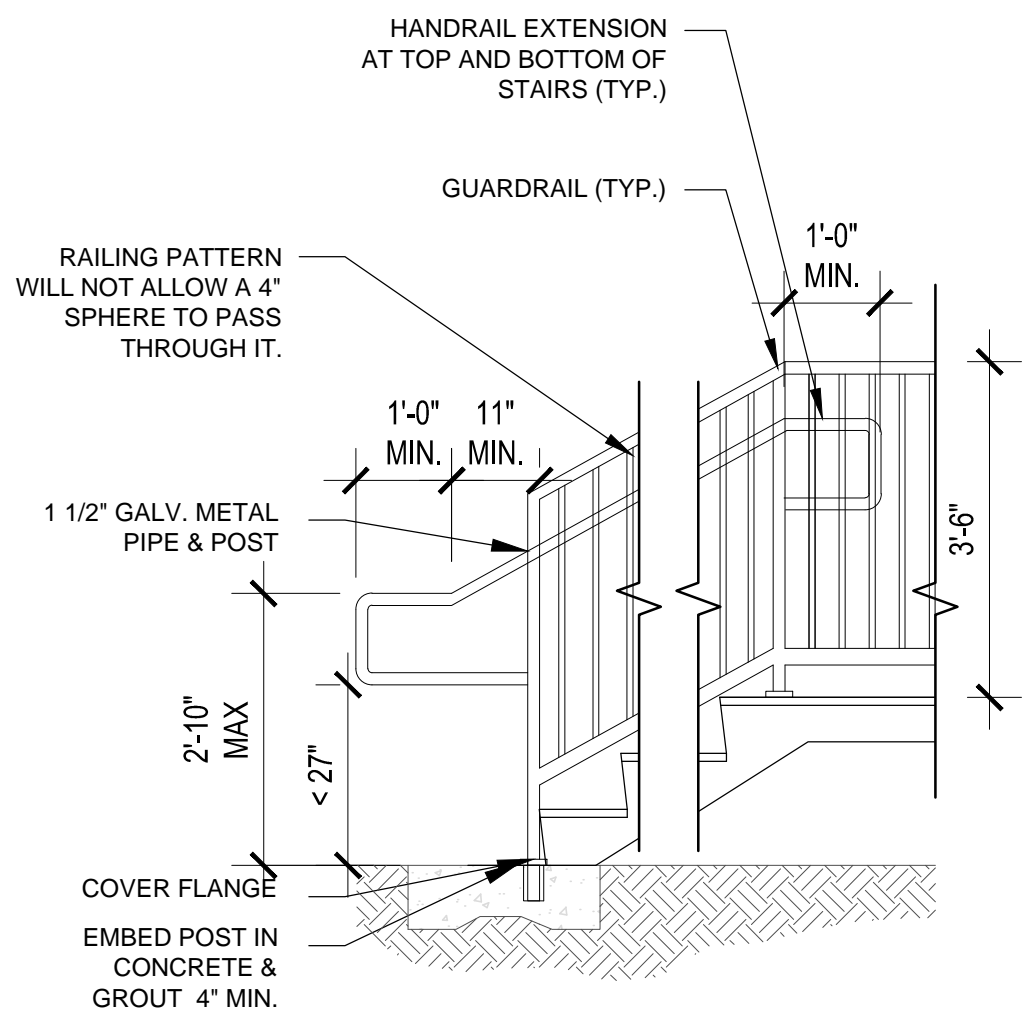
GENERAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALUMINUM STAIR ASSEMBLY, RAILING, LANDING AND STAIR/CONTAINER CONNECTION PREPARED UNDER DIRECTION OF AN ENGINEER LICENSED IN THE STATE OF FLORIDA SHOWING COMPLIANCE WITH THE FLORIDA BUILDING CODE.

HANDRAILS AND GUARDRAILS DESIGNED IN
ACCORDANCE WITH THE LOADING INDICATED IN
SECTION 1607.7-1607.7.1 OF FLORIDA BUILDING
CODE 2010

RAILING PATTERN IS SO AS TO PREVENT A 4" SPHERE FROM PASSING THROUGH.

DESIGN LOADS

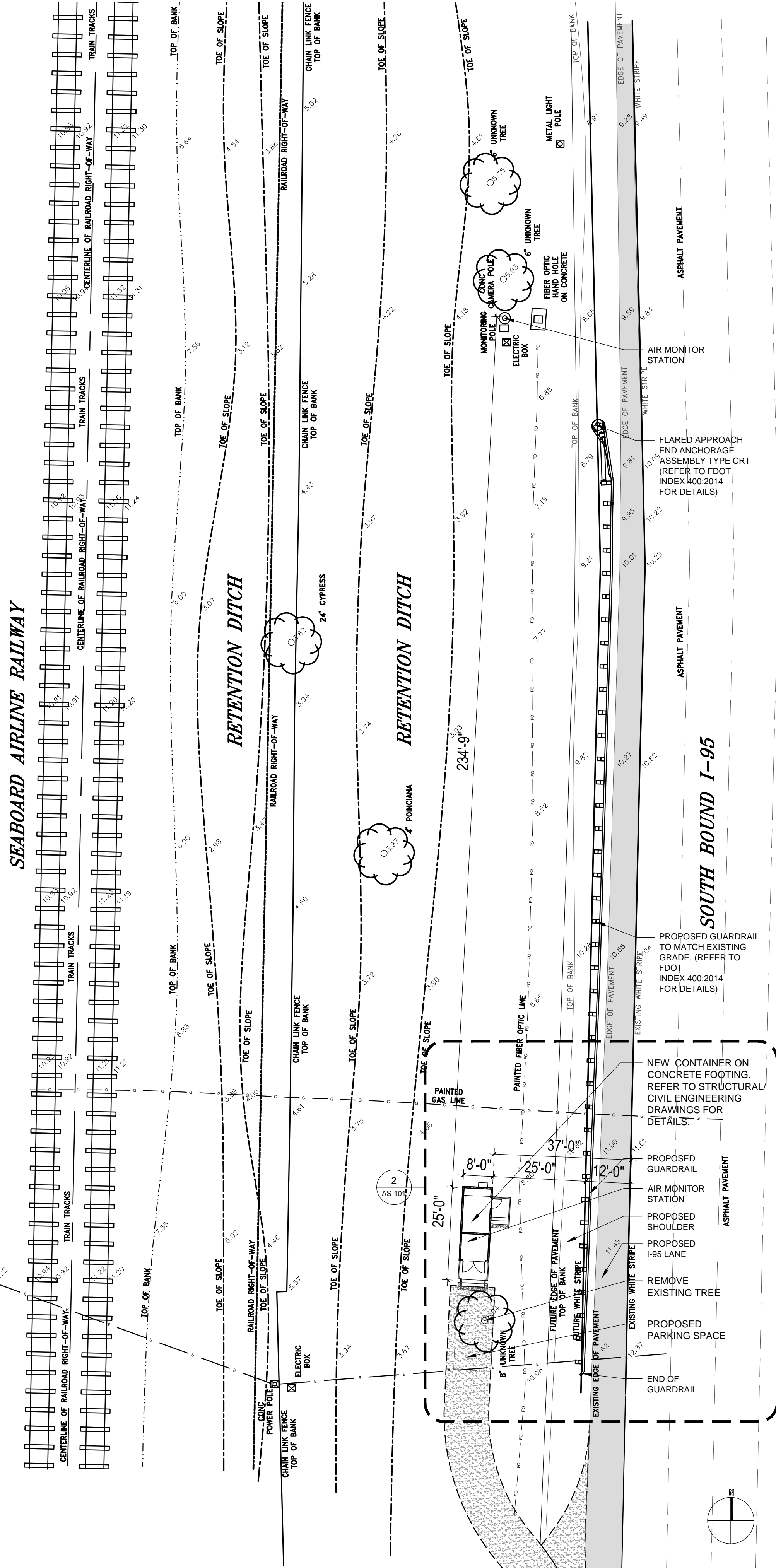
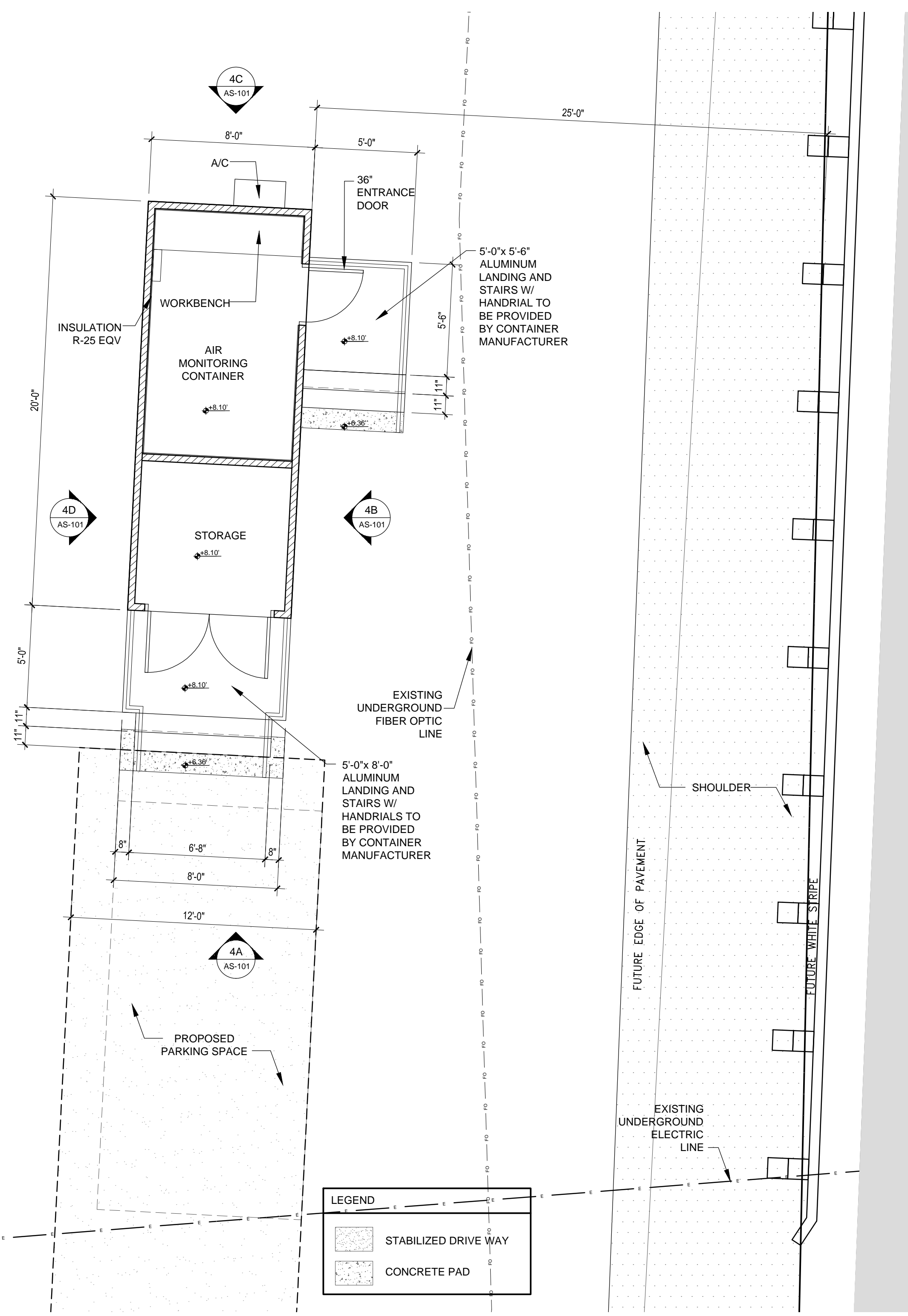
WIND:	180 MHP
EXPOSURE CATEGORY	C
RISK CATEGORY	1
STAIR LIVE LOAD	100 PSF



3 STAIR RAILING DETAIL

SCALE: 1/2" = 1'-0"

SCALE: 1/2" = 1'-0"



4 ELEVATIONS

SCALE: 1/4" = 1'-0"

SCALE: 1/4" = 1'-0"

2 FLOOR PLAN
SCALE: 1/4" = 1'-0"

SCALE: 1/4" = 1'-0"

1 SITE PLAN
SCALE: 1" = 20'-0"

SCALE: 1" = 20'-0"



SYNALOVSKI ROMANIK SAYE
Architecture • Planning • Interior Design

**1800 Eller Drive, Suite 500
Fort Lauderdale, FL 33316**

**T 954.961.6806
F 954.961.6807**

www.synalovskid.com

Manuel Synalovski, AIA
AR 0011628
SEAL

LICENSE NO. AA26001863

SITE 35 AIR MONITORING STATION BROWARD COUNTY

I-95 SOUTHBOUND - SOUTH of SUNRISE BLVD.
FORT LAUDERDALE, FL

CLIENT: BROWARD COUNTY

[illegible]

DESIGN
DELIVERABLE: PERMIT
ISSUE DATE: 04.16.14

PROJECT NUMBER: 1059-120610

DRAWN BY:

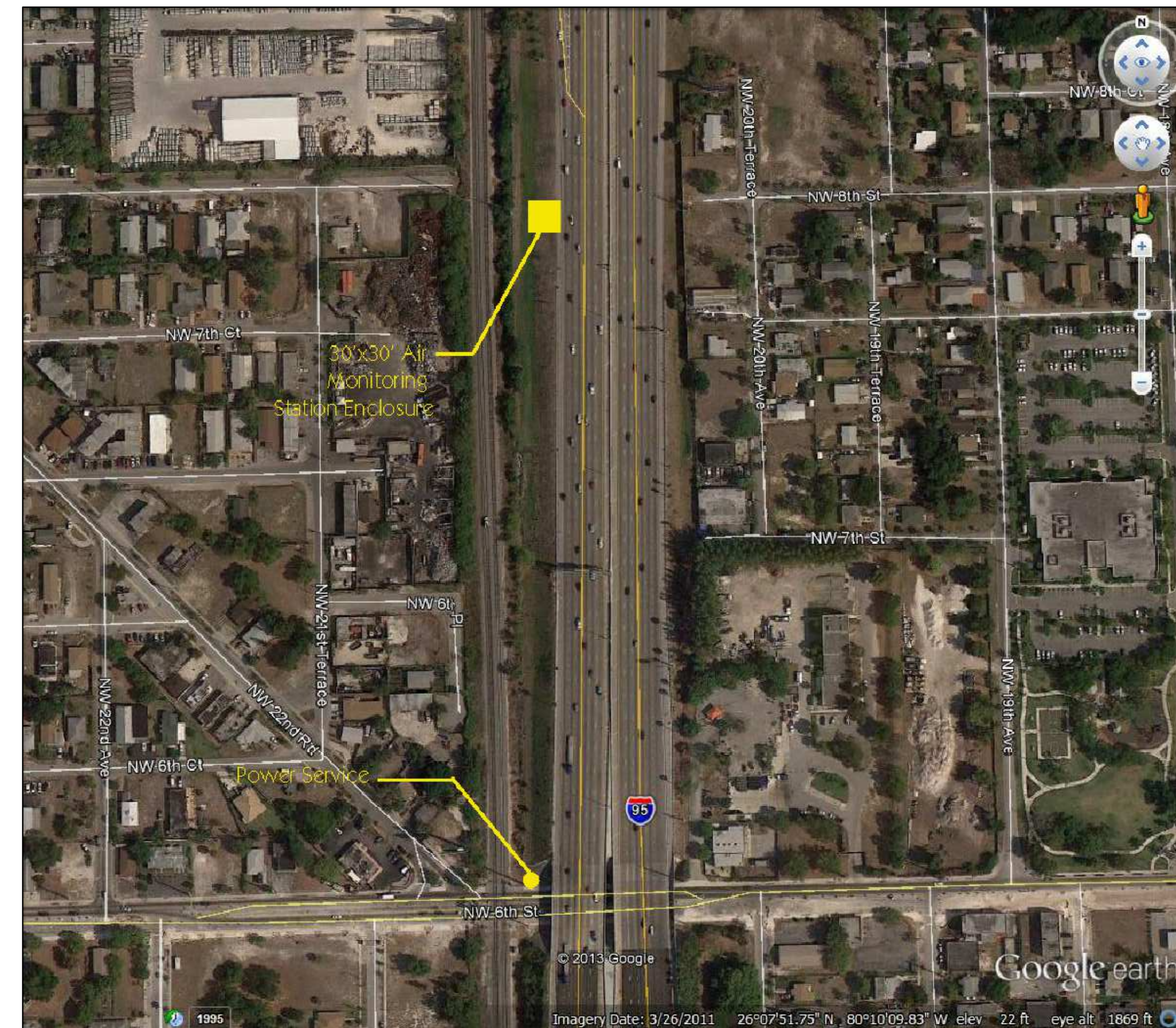
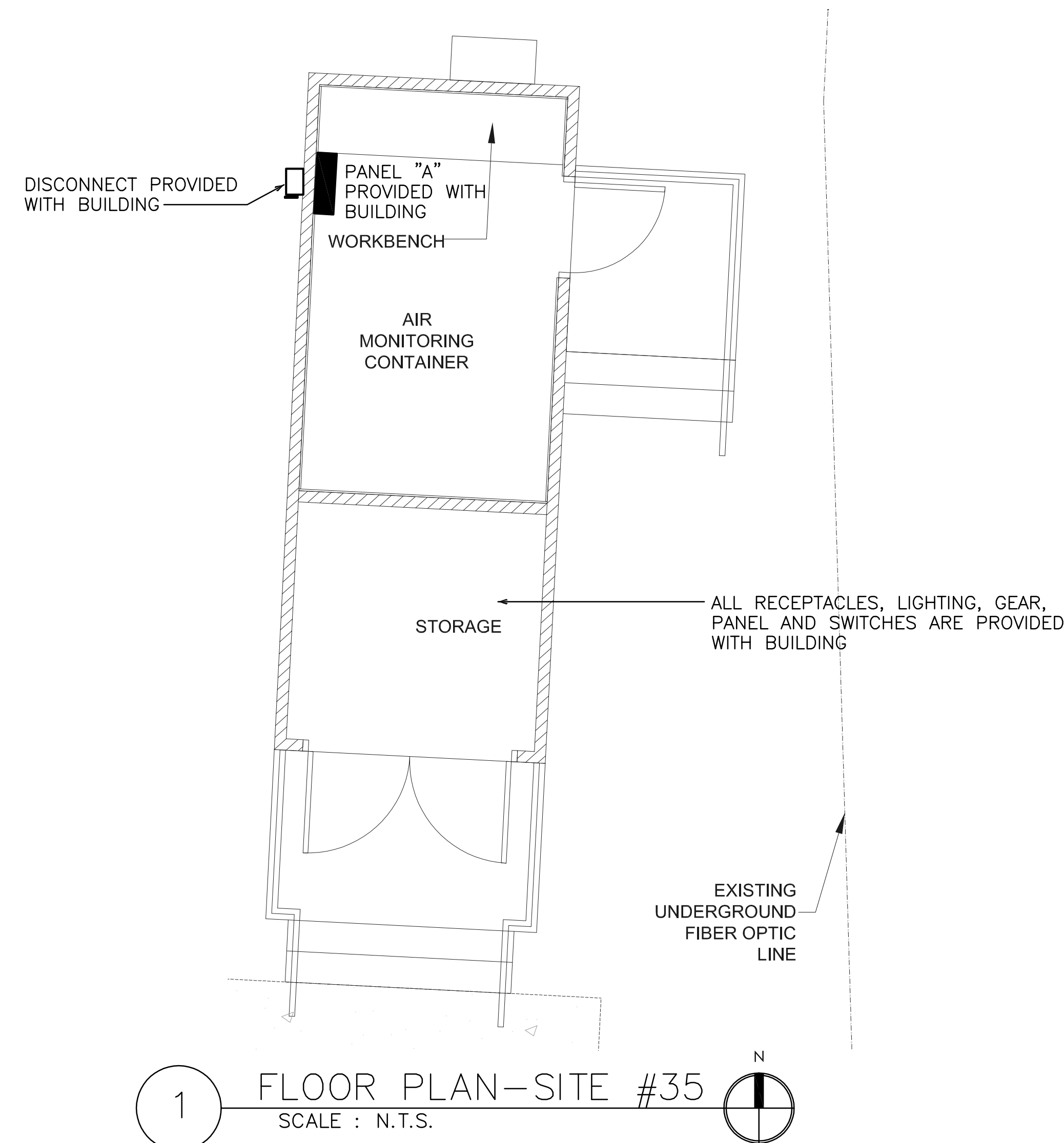
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SHEET TITLE:

ELECTRICAL FLOOR PLANS, RISER DIAGRAMS AND SCHEDULES

SHEET NUMBER:

E-201

2 POWER SERVICE LOCATION PLAN
SCALE : N.T.S.



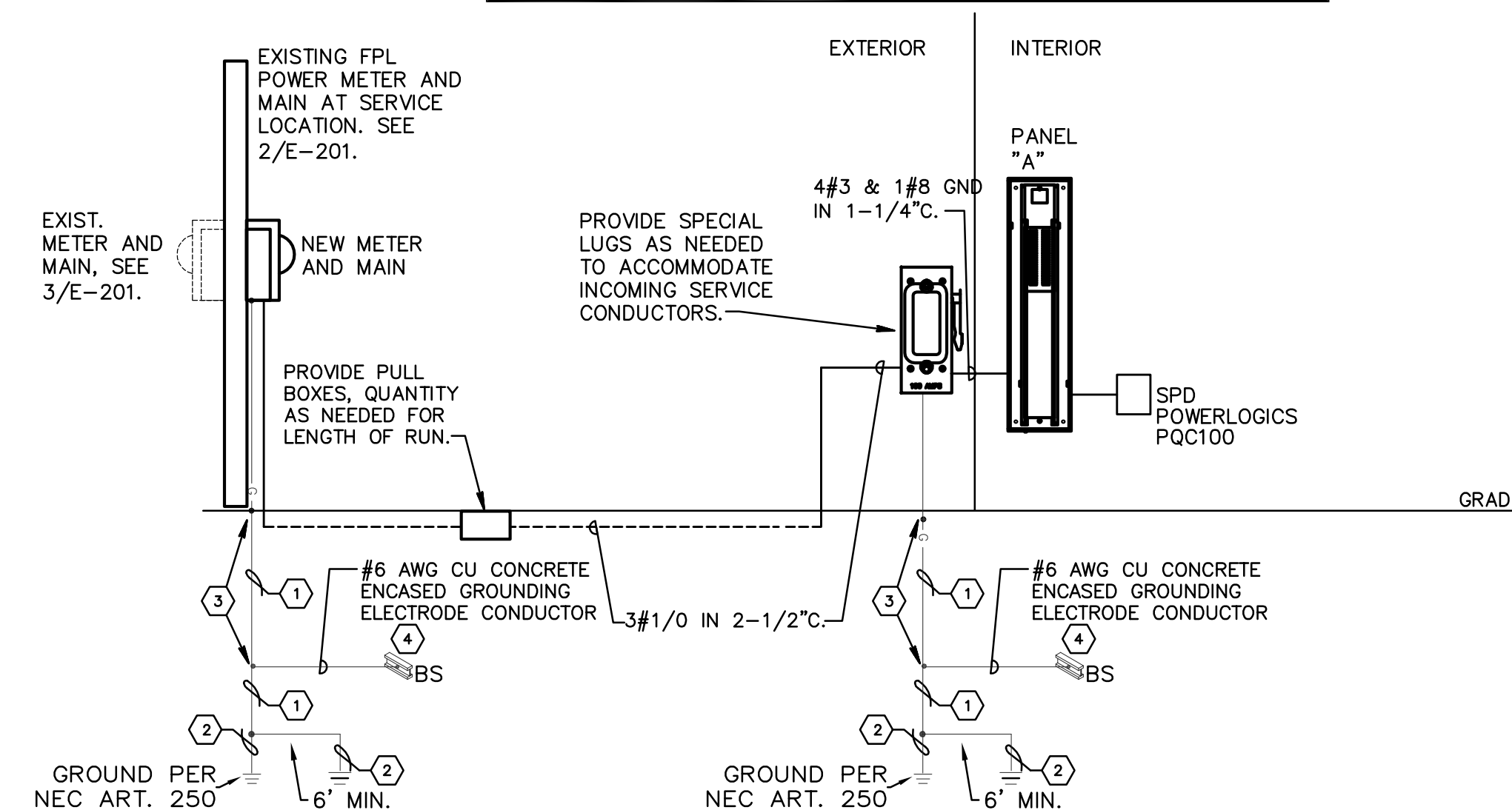
3 EXISTING POWER SERVICE IMAGE
SCALE : N.T.S.

GENERAL NOTES:

PROVIDE NEW UNI-STRUT ON BACK SIDE OF EXISTING SUPPORT
STRUCTURE TO ACCOMMODATE NEW METER AND MAIN, SEE
POWER RISER AND 2/E-201.

GROUNDING KEY NOTES:

- ① #8 GROUNDING ELECTRODE CONDUCTOR IN 3/4" PVC SCHEDULE 40
- ② 10 FT. LONG x 3/4" DIAMETER COPPER DRIVEN GROUND ELECTRODE.
- ③ EXOTHERMIC CONNECTION (TYPICAL)
- ④ EXOTHERMIC CONNECTION. ELECTRICALLY CONTINUOUS STEEL REINFORCING BAR IN BOTTOM OF BUILDING FOUNDATION IN DIRECT CONTACT WITH EARTH.



4 ELECTRICAL RISER DIAGRAM
SCALE : N.T.S.

LOCATION: SEE FLOOR PLAN

☐ EXISTING

☒ NEW

PANEL "A" SCHEDULE

☒ SPEC: SQUARE D, ITE, G.E.

☒ COPPER BUS

☐ ALUMINUM BUS

CKT.	LOAD DESCRIPTION	TYPE	WIRE	GRD.	COND.	POLE/TRIP	A KVA	KVA		C KVA	POLE/TRIP	COND.	GRD.	WIRE	TYPE	LOAD DESCRIPTION	CKT.
1	LIGHTS		12		1/2	20	0.2	—								SPACE	2
3	RECEPTACLES		12		1/2	20	0.2	1.5	0.4	1.5	20	1/2	12	12		A/C	4
7	RECEPTACLES		12		1/2	20	0.2	1.5								SPACE	6
9	SPACE		—		—	—	0.2	—								SPACE	8
11	SPACE		—		—	—	—	—								SPACE	10
13	TVSS		10		3/4	30	—	—								SPACE	12
15																SPACE	14
						SUBTOTAL		2.2				2.1					
						TOTAL KVA IS		4.3 KVA				18 AMPS					
						TOTAL AMPERS IS		18									

ALL FEEDER CALCULATIONS ARE BASED ON THIN/THIN CU.
NOT MORE THAN 4 CONDUCTORS IN A RACEWAY.

RATED VOLTAGE= 120/240 VOLTS 1 PHASE

3 WIRE

☒ ECPY. COND. ☐ ISOL. GRD.

FEEDER SIZE: ☒ CABLE = SEE RISER

☐ BUSWAY

MOUNTING: ☒ SURFACE ☐ FLUSH

☐ FREE STANDING ☒ KEYSHED DOOR

NOTING: ☐ HALF SIZE ☐ FULL SIZE

☐ K RATED (1.5) ☐ K RATED (2.0)

ENCLOSURE: ☐ NEMA 1 ☐ NEMA 3R

☐ NEMA 4X CLASS() DIV ()

PANEL TYPE: ☐ FUSED

☒ CB PLUG IN ☐ CB BOLT IN

MAINSS: ☐ M.L.O. ☐ BREAKER:

BRANCH POLES: 16 BRANCH BREAKERS= 22 KAIC

BUS RATING: 100A BRACING= 22 KAIC

GROUND BAR: ☐ EQUIPMENT ☐ ISOLATED ☐ BOTH

FEED LOCATION: ☐ TOP ☐ BOTTOM ☐ FEED THRU

FEED FROM: ☒ NORMAL ☐ EMERGENCY ☐ UNINTERRUPTABLE

NOTE: _____

