

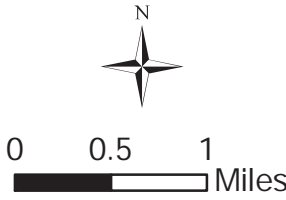
Document Path: S:\Projects\GIS\Tertiary\Misc_Jobs\Cartwright\Manatee Port Area Wetlands\Figures\Fig_1_Location_Map_Air_Products.mxd

Legend

- Proposed Project Site Boundary

Sources:
 Proposed Project Site- MCPAO, 2015
 Wetlands- AECOM, 2016

Figure 1
Location Map
Air Products and Chemicals, Inc.- Pilot Plant
Manatee County, FL



Document Path: S:\Projects\GIS\Tertiary\Misc_Jobs\Cartwright\Manatee Port Area Wetlands\Figures\Fig. 2. NRCS Soils_Air_Products.mxd

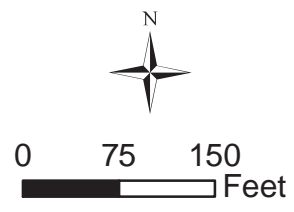
CODE	DESCRIPTION	ACRES
20	EAUGALLIE FINE SAND, 0 TO 2 PERCENT SLOPES	0.64
38	PALMETTO SAND	3.34
48	WABASSO FINE SAND	2.26



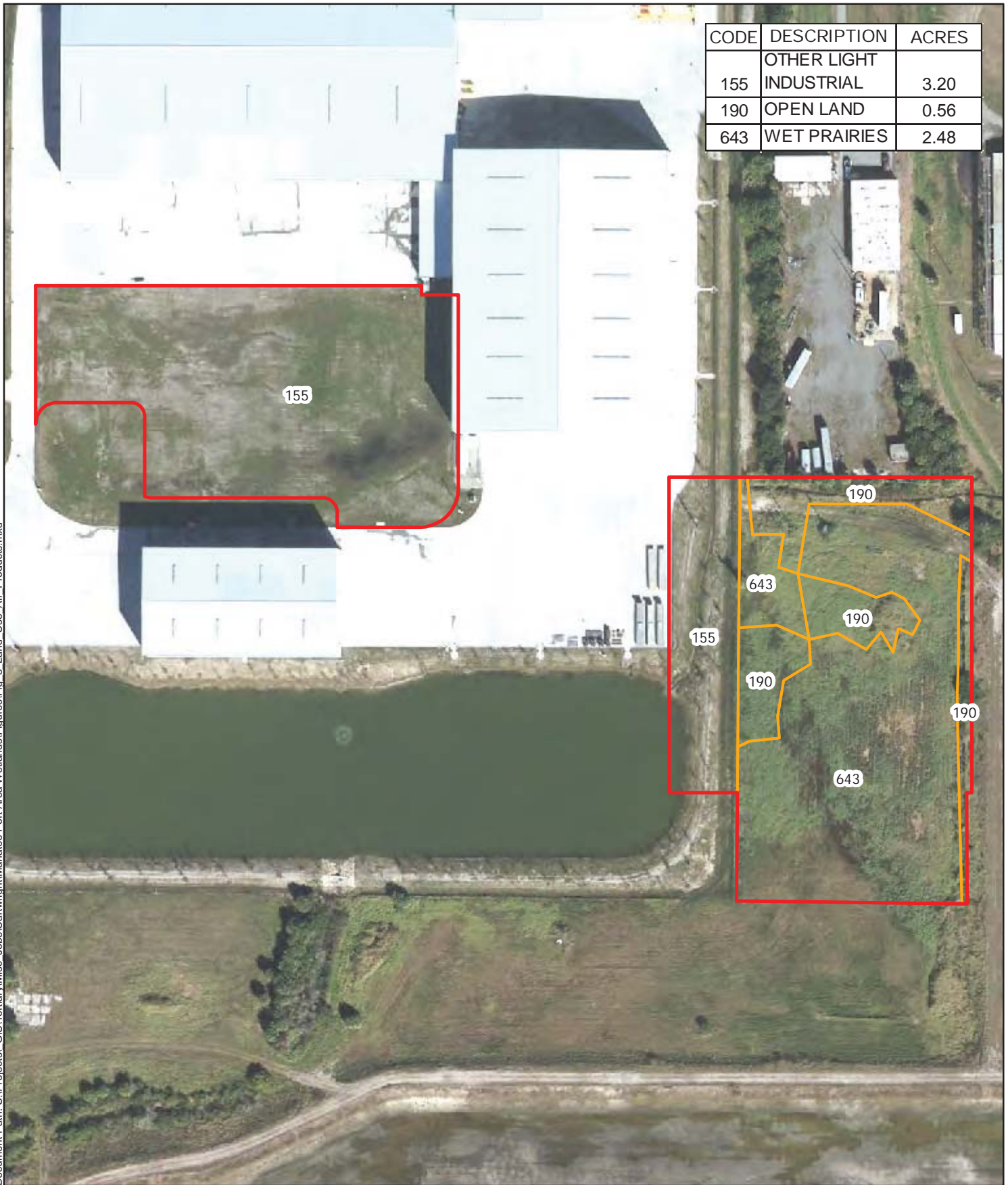
- Legend**
- Proposed Project Site Boundary
 - NRCS Soils

Sources:
Soils- NRCS (via FGDL), 2015

Figure 2
NRCS Soils Map
 Air Products and Chemicals, Inc.- Pilot Plant
 Manatee County, FL



CODE	DESCRIPTION	ACRES
155	OTHER LIGHT INDUSTRIAL	3.20
190	OPEN LAND	0.56
643	WET PRAIRIES	2.48

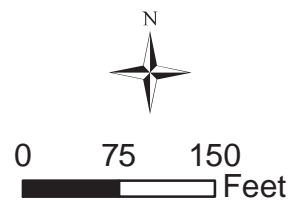


Legend

- ▭ Proposed Project Site Boundary
- ▭ Land Use\Vegetative Cover

Sources:
Land Use- AECOM, 2016

Figure 3
Land Use and Vegetative Cover Map
Air Products and Chemicals, Inc.- Pilot Plant
Manatee County, FL



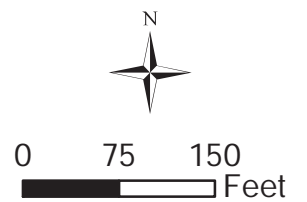


Legend

-  Proposed Project Site Boundary
-  Impacted Wetlands
-  Wetlands

Sources:
Wetlands- AECOM, 2016

Figure 4
Wetland and Wetland Impacts Map
Air Products and Chemicals, Inc.- Pilot Plant
Manatee County, FL



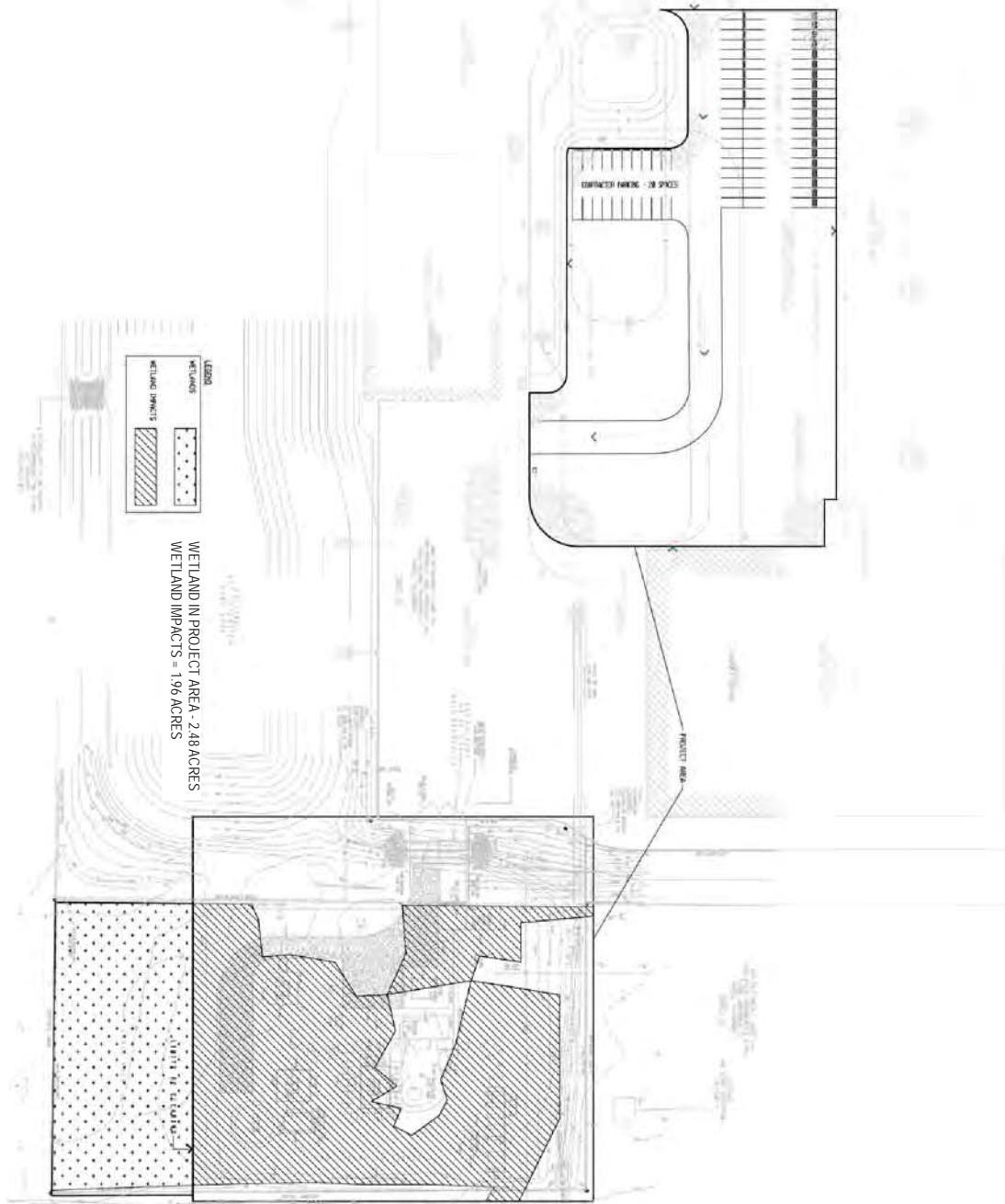


Figure 7
Alternative 2 (**Proposed Project**)
Air Products and Chemicals, Inc.- Pilot Plant
Manatee County, FL

AIR PRODUCTS

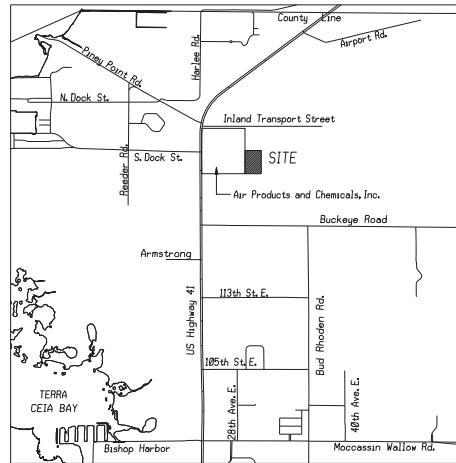
A PARCEL OF LAND LYING AND BEING IN SECTIONS 6 AND 7, TOWNSHIP 33 SOUTH, RANGE 18 EAST, BEING A PORTION OF LOT 1, JOHN BIRLACK'S SUBMISSION ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 2, PAGE 143, OF THE PUBLIC RECORDS OF MANATEE COUNTY, FLORIDA (INFORMATION TAKEN FROM STRAYER SURVEYING & MAPPING, INC. DRAWING FILE NUMBER: 160343, DATE OF SURVEY: 04/02/2016, FIELD BOOK: 673, PAGE: 73.)

SITE PLAN

LEGEND

EXISTING CONTOURS	----- 3848 -----
PROPOSED CONTOURS	----- 3848 -----
WATER MAIN	— W — W —
GAS MAIN	— G — G —
ELECTRIC	— E — E —
PROPOSED SPOT ELEVATION	3848
EXISTING SPOT ELEVATION	3848
OVERHEAD LINE	— OHL — OHL —
APPROXIMATE LOCATION OF UNDERGROUND GAS LINE	— G — G —
APPROXIMATE LOCATION OF UNDERGROUND WATER LINE	— W — W —
APPROXIMATE LOCATION OF UNDERGROUND FORCEMAIN	— F — F —
NEW FENCE	— X — X —
EXISTING FENCE	— X ··· X ···
TOP OF CONCRETE	T/C 00.00'
TOP OF STONE	T/S 00.00'

LOCATION MAP



NOT TO SCALE

AIR PRODUCTS-VICINITY MAP (N.T.S.)

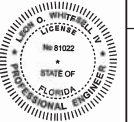
PERTINENT DATA

PROPOSED LOT: 2.94 Ac
SITE ADDRESS: 13300 U.S. HIGHWAY 41
PALMETTO, FL. 34221

INDEX

01	TITLE SHEET
02	GENERAL NOTES
03	SITE PLAN
04	GRADING PLAN
05	SITE PROFILES
06	SITE PROFILES
07	PAVING PLAN
08	YARD STONE AND FENCE PLAN
09	DETAILS
10	PROPERTY SETBACKS
11	WETLANDS

SEE ELECTRONIC SIGNATURE FOR DATE AND TIME



REVISION "1" IS ISSUED FOR THE M320 MODULE PROJECT AT PORT MANATEE, FL. PREVIOUS REVISION ISSUED FOR THE M320 MODULE PROJECT AT LAPORTE, TX.

REV	CN No	REVISION DESCRIPTION	DATE	BY	CHK'D	APP'D
6		REVISED INDEX, ADDED SHEET II	09MAY17	ESS	LOW	LOW
5		REVISED PROPOSED SPOT ELEVATION DESIGNATION AND INDEX.	23FEB17	ESS	DPV/LW	DPV/KALD
4		RELEASE FOR CONSTRUCTION	18NOV16	ESS	TLF	DPV/KALD
3		PRELIMINARY RELEASE	17OCT16	ESS	---	---
2		INITIAL RELEASE - PRELIMINARY DESIGN	25JUL16	ESS	---	---



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TITLE
SITE PREPARATION
TITLE SHEET
M320 MODULE PROJECT

USED ON	EN-12-0948
OWNER GROUP	CIVIL/STRUCTURAL
RELEASE PURPOSE	BUILD/AS DESIGNED
REFERENCE	
DOC No	DOC0000747959-01
SCALE	NONE SHEET

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GENERAL NOTES

- UNDER/ABOVE GROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM THE BEST AVAILABLE RECORDS. THEREFORE, THE RELATIONSHIP BETWEEN PROPOSED WORK AND THE EXISTING FACILITIES, STRUCTURES AND UTILITIES MUST BE CONSIDERED APPROXIMATE AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR LOCATION AND THE EXISTENCE OF ANY NOT SHOWN. THE CONTRACTOR HAS THE RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION, TO HAVE EXISTING UTILITIES FIELD LOCATED.
- ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL MEET THE CURRENT STANDARDS AND SPECIFICATIONS AS REQUIRED BY LOCAL, STATE, AND FEDERAL REGULATIONS AND CODES. CONTRACTOR SHALL VERIFY LATEST STANDARDS AND DETAILS REGARDLESS OF WHAT IS CURRENTLY SHOWN IN THESE PLANS.
- CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ANY AND ALL LOCAL, STATE AND FEDERAL PERMITS RELATED TO CONSTRUCTION.
- ALL GRADED AREAS SHALL BE PROTECTED FROM EROSION BY EROSION CONTROL DEVICES AND/OR SEEDING AND MULCHING. EROSION CONTROL SHALL NOT BE LIMITED TO WHAT IS SHOWN ON THE PLAN. WHATEVER MEANS NECESSARY SHALL BE TAKEN TO PREVENT SILTATION AND EROSION FROM ENTERING NATURAL STREAMS, ADJACENT ROADWAYS, PROPERTIES AND DITCHES.
- EARTHWORK CONTRACTOR SHALL INSTALL SILTATION CONTROL PRIOR TO STARTING GRADE WORK. ADDITIONAL SILTATION CONTROL DEVICES MAY BE REQUIRED AS DIRECTED BY THE GOVERNING AGENCY OR THE DEVELOPER.
- INTERIM STORM WATER DRAINAGE CONTROL IN THE FORM OF SILTATION CONTROL MEASURES ARE REQUIRED.
- ALL FILLS AND BACK FILLS SHALL BE MADE OF APPROVED MATERIALS, FREE FROM BROKEN MASONRY, FROZEN EARTH, RUBBISH, ORGANIC MATERIAL AND DEBRIS.
- ALL CONTRACTORS SHALL KEEP EXISTING ROADWAYS CLEAN OF MUD AND DEBRIS AT ALL TIMES.
- PROPOSED CONTOURS SHOWN ARE FINISHED ELEVATION ON PAVING AND STONE AREAS. CONTRACTOR TO GRADE ALL AREAS TO REQUIRED SUBGRADE.
- CONTRACTOR SHALL VERIFY THAT ALL AREAS WILL DRAIN POSITIVELY PRIOR TO INSTALLATION OF IMPROVEMENTS.
- SPOT ELEVATIONS IN PAVED AND/OR STONED PAVING ARE TO TOP OF FINISHED PAVEMENT/STONE.
- CONTRACTOR SHALL COORDINATE THE DISCONNECTION, SEALING AND/OR REMOVAL OF UTILITIES WITH THE RESPECTIVE UTILITY COMPANY.
- ALL ELEVATIONS SHOWN HEREON ARE BASED ON THE N.A.S.D. 1988 VERTICAL DATUM, UNLESS OTHERWISE SPECIFIED.
- FOR EXISTING SITE ELEVATIONS, CONTRACTOR SHALL REFER TO STRAYER SURVEYING & MAPPING, INC. DRAWING, FILE NUMBER 168343.
- CONTRACTOR SHALL RESTORE ALL ADJACENT PROPERTY DISTURBED BY HIS OPERATIONS, TO ORIGINAL CONDITION.
- NO GRADE SHALL EXCEED 3:1 SLOPE, UNLESS ALLOWED BY PROJECT GEOTECHNICAL ENGINEER.
- CONTRACTOR SHALL CONTACT ENGINEER OF ANY PLAN DISCREPANCIES PRIOR TO CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE HE HAS THE LATEST SET OF IMPROVEMENT PLANS FOR THIS PROJECT.
- CONTRACTOR SHALL CONSULT PROJECT GEOTECHNICAL ENGINEER(S) PRIOR TO CONSTRUCTION. PROPER GEOTECHNICAL CONTROL SHALL BE UTILIZED DURING ALL PHASES OF SITE PREPARATION AND EARTHWORK AND BE OBSERVED BY A QUALIFIED REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER.
- CONTRACTOR SHALL CONSULT PROJECT GEOTECHNICAL ENGINEER(S) FOR REVIEW OF THESE PLANS PRIOR TO GRADING OPERATIONS AND FOR GROUND RECOMMENDATIONS AND FIELD TESTING.
- IT SHALL BE THE RESPONSIBILITY OF THE GRADING CONTRACTOR TO NOTIFY THE GEOTECHNICAL PROJECT ENGINEER OF WORK IN PROGRESS AND TO COMPLY WITH THE SPECIFICATIONS SET BY THE GEOTECHNICAL ENGINEER WITH REGARDS TO SURFACE PREPARATION, PLACEMENT OF FILL AND COMPACTION.

- THE SITE SHALL BE STRIPPED AND CLEARED, INCLUDING BUT NOT LIMITED TO THE REMOVAL OF ALL TRASH, DEBRIS, VEGETATION, ROOT SYSTEMS AND OTHER DELETERIOUS MATERIALS.
- THE CONTRACTOR IS RESPONSIBLE FOR HAULING OFF AND DISPOSAL IN A LEGAL MANNER, ALL EXCESS DEMOLISHED OR EXCAVATED SOILS AND UNSUITABLE MATERIAL.
- UPON COMPLETION OF STRIPPING AND CLEARING, IN-SITU SOILS SHALL BE DENSIFIED BY PROOF ROLLING WITH A LARGE, FULLY LOADED RUBBER-TIRED FRONT END LOADER HAVING A MINIMUM GROSS WEIGHT OF 10 TONS; OR OTHER APPROVED PROOF-ROLLING EQUIPMENT. PROOFROLLING SHALL DENSIFY IN-SITU SOIL TO 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY PER ASTM D-1557 AT A DEPTH OF 12 INCHES BELOW THE SUBGRADE. ANY SOFT OR ORGANIC SOIL SHALL BE STRIPPED AND REPLACED WITH STRUCTURAL FILL.
- MASS REGRADING TO RAISE SITE APPROXIMATELY 5 FT SHALL USE SUITABLE DREDGE SPOILS FROM A NEARBY PORT MANATEE STORAGE AREA. DREDGE SPOILS IN THE WESTERN PORTION OF THE AREA ARE GENERALLY SUITABLE FOR USE AS FILL MATERIAL. DREDGE SPOILS USED SHALL BE INVESTIGATED FOR PRESENCE OF UNSUITABLE CLAYEY/SILTY SOILS AND SHALL BE APPROVED BY GEOTECH BEFORE USE.
- DEWATERING MAY BE REQUIRED DURING ALL STAGES OF SITEWORKS. THE SEASONAL HIGH WATER LEVEL MAY BE WITHIN ONE FOOT OF THE EXISTING SITE SURFACE. CONTRACTOR SHALL PROVIDE AN ADEQUATE DEWATERING SYSTEM TO DRAIN DOWN THE GROUNDWATER TABLE A MINIMUM OF 3 FT BELOW EXISTING GRADE TO COMPLETE ALL NECESSARY SITE WORK.
- ALL EXCAVATIONS, WHETHER THEY BE UTILITY TRENCHES OR FOOTING EXCAVATIONS, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) 'CONSTRUCTION FOR STANDARDS FOR EXCAVATIONS' AND THE PROJECT GEOTECHNICAL REPORT.
- EXCAVATION AND/OR OPEN TRENCHES SHALL BE COVERED AND PROTECTED AT ALL TIMES OTHER THAN DURING NORMAL WORKING HOURS.
- THE BOTTOM OF ALL EXCAVATIONS SHALL BE PROPERLY DRAINED DURING CONSTRUCTION AND COMPACTED. BELOW FOUNDATIONS, THE BASE OF THE EXCAVATION SHALL BE COMPACTED TO A MINIMUM 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY PER ASTM D-1557. ANY UNSUITABLE MATERIAL SHALL BE REMOVED AND REPLACED WITH STRUCTURAL FILL.
- STRUCTURAL FILL SHALL CONSIST OF GRANULAR SOILS WITH NO MORE THAN 12% FINES PASSING THE NUMBER 200 SIEVE. STRUCTURAL FILL SHALL BE PLACED IN LIFTS NO GREATER THAN 12 INCHES AND COMPACTED TO A MINIMUM 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY PER ASTM D-1557.
- STABILIZED SUBGRADE SHALL BE STABILIZED TO A BEARING VALUE OF LBR 40 IN ACCORDANCE WITH FDOT STANDARDS. THE STABILIZED SUBGRADE SHALL BE PROCESSED IN ONE COURSE TO A DEPTH OF 12" BELOW THE BOTTOM OF THE PROPOSED LIMEROCK BASE MATERIAL. THE STABILIZED SUBGRADE SHALL BE SHARPED AND COMPACTED TO CONFORM TO THE PROPOSED ELEVATION AND EXTEND 6" BEYOND FINISHED BASE COURSE. COMPACT TO 98% MODIFIED PROCTOR MAXIMUM DRY DENSITY PER ASTM D-1557.
- BASE COURSE SHALL BE STABILIZED TO A BEARING VALUE OF LBR 100 IN ACCORDANCE WITH FDOT STANDARDS. THE BASE COURSE SHALL BE PROCESSED IN ONE COURSE TO A DEPTH OF 12" BELOW THE BOTTOM OF THE PROPOSED LIMEROCK BASE MATERIAL. THE BASE COURSE SHALL BE SHARPED AND COMPACTED TO CONFORM TO THE PROPOSED ELEVATION AND EXTEND 6" BEYOND FINISHED ASPHALTIC CONCRETE. COMPACT TO 98% MODIFIED PROCTOR MAXIMUM DRY DENSITY PER ASTM D-1557.
- YARD STONE SHALL BE AASHTO #47 GRADED CRUSHED STONE OR FDOT APPROVED EQUIVALENT.
- MODIFIED STONE ROADWAY SHALL BE AASHTO #357 GRADED CRUSHED STONE OR FDOT APPROVED EQUIVALENT.
- PRECAST BOX CULVERTS, ASSOCIATED HEADWALLS AND WINGWALLS SHALL BE DESIGNED IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARDS. CULVERTS SHALL BE CAPABLE OF SUPPORTING AASHTO HL93 LOADS.

GEOTECH OF RECORD:
 AECOM TECHNICAL SERVICES, INC.
 REFERENCE GEOTECHNICAL REPORT:
 GEOTECHNICAL INVESTIGATION AND FOUNDATION EVALUATION FOR PROPOSED PILOT PLANT M320 MODULE PROJECT MANATEE COUNTY, FLORIDA, JUNE 15, 2016 (REV. AUGUST 10, 2016) PROJECT NO. 68909658

SEE ELECTRONIC SIGNATURE FOR DATE AND TIME



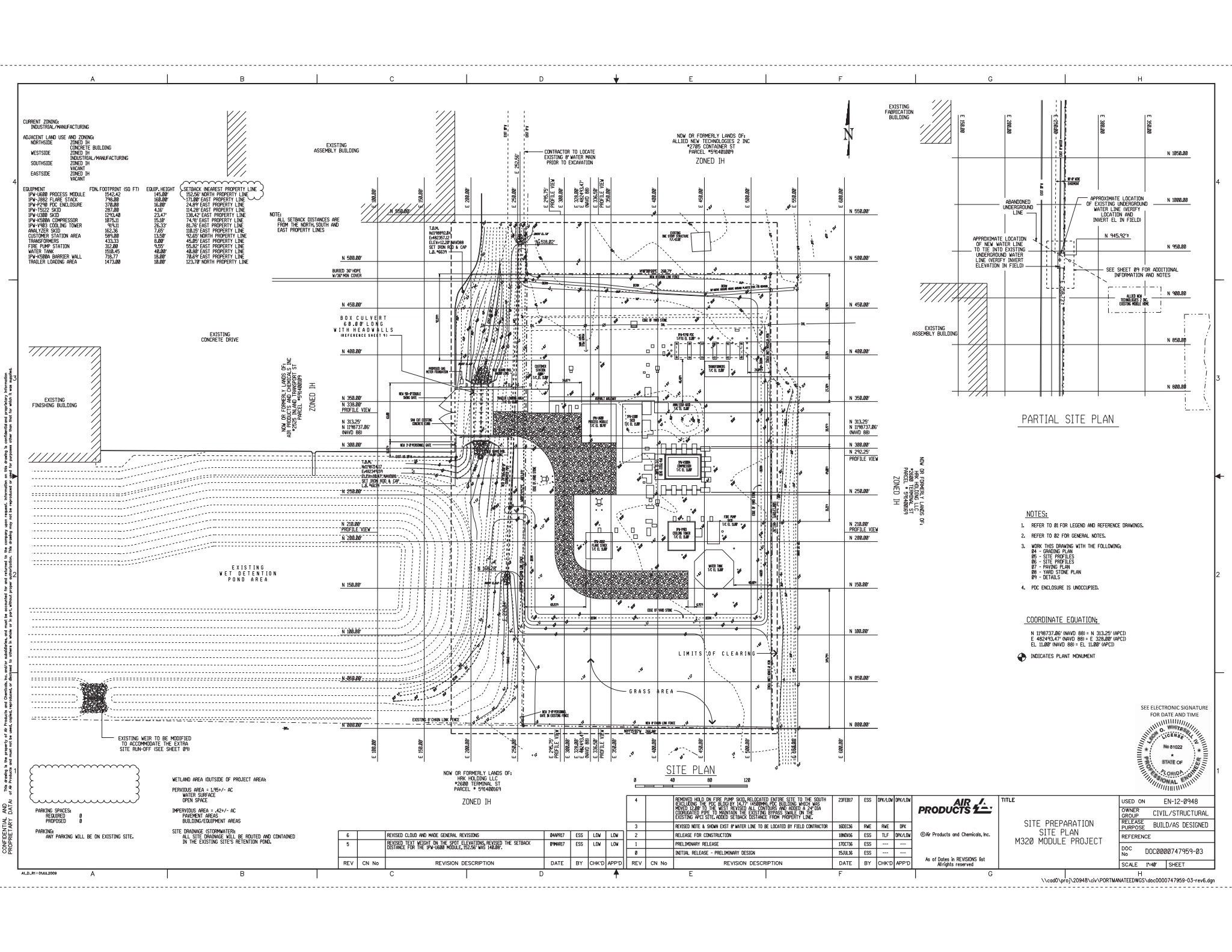
REV	CH No	REVISION DESCRIPTION	DATE	BY	CHK'D	APP'D
3		NO CHANGES TO THIS SHEET.		09MAR17	ESS	LOW LOW
2		RELEASE FOR CONSTRUCTION		18NOV16	ESS	TLF DRVALW
1		PRELIMINARY RELEASE		17OCT16	ESS	---
0		INITIAL RELEASE - PRELIMINARY DESIGN		15JUL16	ESS	---

AIR PRODUCTS
 TITLE: SITE PREPARATION GENERAL NOTES M320 MODULE PROJECT
 ©/Air Products and Chemicals, Inc.

USED ON	EN-12-0948
OWNER GROUP	CIVIL/STRUCTURAL
RELEASE PURPOSE	BUILD/AS DESIGNED
REFERENCE	
DOC No	000000747959-02
SCALE	NONE SHEET

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CURRENT ZONING:
INDUSTRIAL/MANUFACTURING

ADJACENT LAND USE AND ZONING:
NORTHSIDE ZONED IH
WESTSIDE ZONED IH
SOUTHSIDE ZONED IH
EASTSIDE ZONED IH
VACANT

EQUIPMENT	FON. FOOTPRINT (SQ FT)	EQUIP. HEIGHT
IPW-1600 PROCESS MODULE	2545.42	145.00'
IPW-1882 FLARE STACK	798.88	168.00'
IPW-1708 PDC ENCLOSURE	370.88	15.00'
IPW-1522 SKID	287.80	4.16'
IPW-1600 SKID	1295.40	22.44'
IPW-4500 COMPRESSOR	1076.11	22.44'
IPW-1583 COOLING TOWER	162.26	25.00'
ANALYZER SKID	591.88	7.57'
CUSTOMER STATION AREA	433.33	8.00'
TRANSFORMERS	362.88	4.57'
FIRE PUMP STATION	362.88	4.57'
WATER TANK	1508.45	48.00'
IPW-4500 BARRIER WALL	718.77	18.00'
TROLLER LOADING AREA	1472.00	18.00'

SETBACK NEAREST PROPERTY LINE
105.26' NORTH PROPERTY LINE
171.00' EAST PROPERTY LINE
24.87' EAST PROPERTY LINE
114.28' EAST PROPERTY LINE
136.42' EAST PROPERTY LINE
74.74' EAST PROPERTY LINE
81.29' NORTH PROPERTY LINE
118.19' EAST PROPERTY LINE
55.82' EAST PROPERTY LINE
25.82' EAST PROPERTY LINE
48.00' EAST PROPERTY LINE
70.00' EAST PROPERTY LINE
123.14' NORTH PROPERTY LINE

NOTE: ALL SETBACK DISTANCES ARE FROM THE NORTH, SOUTH AND EAST PROPERTY LINES

EXISTING FINISHING BUILDING

EXISTING CONCRETE DRIVE

EXISTING WEIR TO BE MODIFIED TO ACCOMMODATE THE EXTRA SITE RUN-OFF (SEE SHEET 09)

EXISTING WET DETENTION POND AREA

EXISTING CHAIN LINK FENCE

EXISTING WEIR TO BE MODIFIED TO ACCOMMODATE THE EXTRA SITE RUN-OFF (SEE SHEET 09)

EXISTING WEIR TO BE MODIFIED TO ACCOMMODATE THE EXTRA SITE RUN-OFF (SEE SHEET 09)

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EXISTING WEIR TO BE MODIFIED TO ACCOMMODATE THE EXTRA SITE RUN-OFF (SEE SHEET 09)

WETLAND AREA (OUTSIDE OF PROJECT AREA):
PERVIOUS AREA = 1,964' AC
WATER SURFACE OPEN SPACE
IMPERVIOUS AREA = 424' AC
PAVEMENT AREAS
BUILDING/EQUIPMENT AREAS

SITE DRAINAGE (STORMWATER):
ALL SITE DRAINAGE WILL BE ROUTED AND CONTAINED IN THE EXISTING SITE'S RETENTION POND.

NOW OR FORMERLY LANDS OF:
HEK HOLDING LLC
42000 TOWNSEND ST
PARCEL # 5714200169
ZONED IH

NOW OR FORMERLY LANDS OF:
ALLIED NEW TECHNOLOGIES 2 INC
42705 CONTAINER ST
PARCEL # 5714200199
ZONED IH

EXISTING FABRICATION BUILDING

NOW OR FORMERLY LANDS OF:
ALLIED NEW TECHNOLOGIES 2 INC
42705 CONTAINER ST
PARCEL # 5714200199
ZONED IH

PARTIAL SITE PLAN

NOTES:

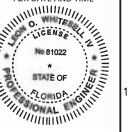
- REFER TO 01 FOR LEGEND AND REFERENCE DRAWINGS.
- REFER TO 02 FOR GENERAL NOTES.
- WORK THIS DRAWING WITH THE FOLLOWING:
04 - GRADING PLAN
05 - SITE PROFILES
07 - PAVING PLAN
08 - YARD STONE PLAN
09 - DETAILS
- PDC ENCLOSURE IS UNOCCUPIED.

COORDINATE EQUATION:

$N 119737.06' \text{ (NAVD 88)} + N 313.25' \text{ (OPCD)} = E 482653.47' \text{ (NAVD 88)} + E 328.89' \text{ (OPCD)}$
 $EL 11.00' \text{ (NAVD 88)} + EL 11.00' \text{ (OPCD)}$

INDICATES PLANT MONUMENT

SEE ELECTRONIC SIGNATURE FOR DATE AND TIME



PARKING SPACES:
REQUIRED: 8
PROPOSED: 8

ANY PARKING WILL BE ON EXISTING SITE.

REV	CN No	REVISION DESCRIPTION	DATE	BY	CHK'D	APP'D
6		REVISED CLOUD AND MOORE GENERAL REVISIONS	04APR07	ESS	LOW	LOW
5		REVISED TEST HEIGHT ON THE GREAT REVISIONS, REVISED THE SETBACK DISTANCE FOR THE IPW-1600 MODULE (25.50' WAS 14.00')	09MAR07	ESS	LOW	LOW

REV	CN No	REVISION DESCRIPTION	DATE	BY	CHK'D	APP'D
4		REMOVED HOLD ON FIRE PUMP SKID, RELOCATED ENTIRE SITE TO THE SOUTH EXCLUDING THE PDC (200' BY 147') (FORMER PDC BUILDING WHICH WAS MOVED TO THE WEST) REVISED ALL CONTIGAS AND ADDED A 24' DIA CONCRETE TO MONITOR ON THE EXISTING PDC SKID ON THE EXISTING APPLIC SITE, ADDED SETBACK DISTANCE FROM PROPERTY LINE.	22FEB07	ESS	DNV/LW	DNV/LW
3		REVISED NOTE A SHOWN EAST OF WATER LINE TO BE LOCATED BY FIELD CONTRACTOR	18DEC06	RWE	RWE	DPK
2		RELEASE FOR CONSTRUCTION	18NOV06	ESS	TLF	DNV/LW
1		PRELIMINARY RELEASE	17OCT06	ESS	---	---
0		INITIAL RELEASE - PRELIMINARY DESIGN	25JUL06	ESS	---	---



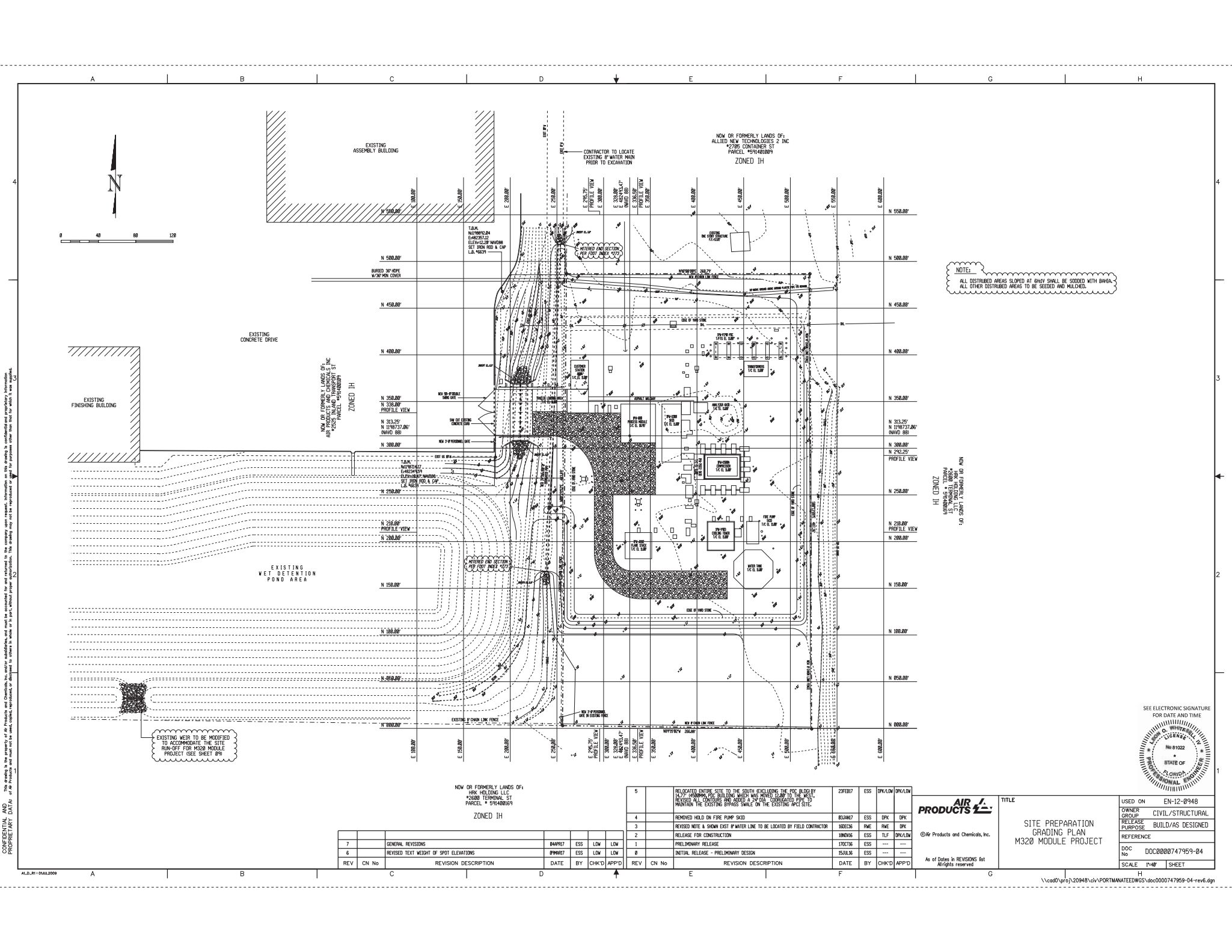
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TITLE
SITE PREPARATION
SITE PLAN
M320 MODULE PROJECT

USED ON EN-12-0948
OWNER GROUP CIVIL/STRUCTURAL
RELEASE PURPOSE BUILD/AS DESIGNED
REFERENCE

DOC No DOC0000747959-03
SCALE 1"=40' SHEET



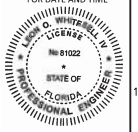
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EXISTING WET DETENTION POND AREA TO BE MODIFIED TO ACCOMMODATE THE SITE RUN-OFF FOR M320 MODULE PROJECT. SEE SHEET 876.

NOTE:
ALL DISTURBED AREAS SLOPED AT 6% SHALL BE SOCCED WITH BHA-4. ALL OTHER DISTURBED AREAS TO BE SEEDED AND MULCHED.

H. CENDZ
REGISTERED PROFESSIONAL ENGINEER
STATE OF FLORIDA
140 23041 71828045 04 1604

SEE ELECTRONIC SIGNATURE FOR DATE AND TIME



NOW OR FORMERLY LANDS OF:
HSC HOLDING, LLC
*2630 TERMINAL ST
PARCEL # 591480809
ZONED 1H

REV	CN	NO	REVISION DESCRIPTION	DATE	BY	CHK'D	APP'D
7			GENERAL REVISIONS	040907	ESS	LOW	LOW
6			REVISED TEXT WEIGHT OF SPOT ELEVATIONS	090907	ESS	LOW	LOW

REV	CN	NO	REVISION DESCRIPTION	DATE	BY	CHK'D	APP'D
6			RELOCATED ENTIRE SITE TO THE SOUTH EXCLUDING THE POC BLDG BY 15' TO CLEARANCE OF 20' LINES. SEE SHEET 876 FOR THE POC BLDG. RELEASED ALL CONTIGUOUS AREAS AND COORDINATED WITH THE CITY TO MAINTAIN THE EXISTING BYPASS SHALE ON THE EXISTING APCT SITE.	2/28/07	ESS	DNK/LW	DPK/LW
4			REMOVED HOLD ON FIRE PUMP SKID	03/24/07	ESS	DPK	DPK
3			REVISED NOTE A SHOWN EAST OF WATER LINE TO BE LOCATED BY FIELD CONTRACTOR	08/20/06	RWE	RWE	DPK
2			RELEASE FOR CONSTRUCTION	10/01/06	ESS	TLF	DPK/LW
1			PRELIMINARY RELEASE	10/02/06	ESS	---	---
0			INITIAL RELEASE - PRELIMINARY DESIGN	05/01/06	ESS	---	---

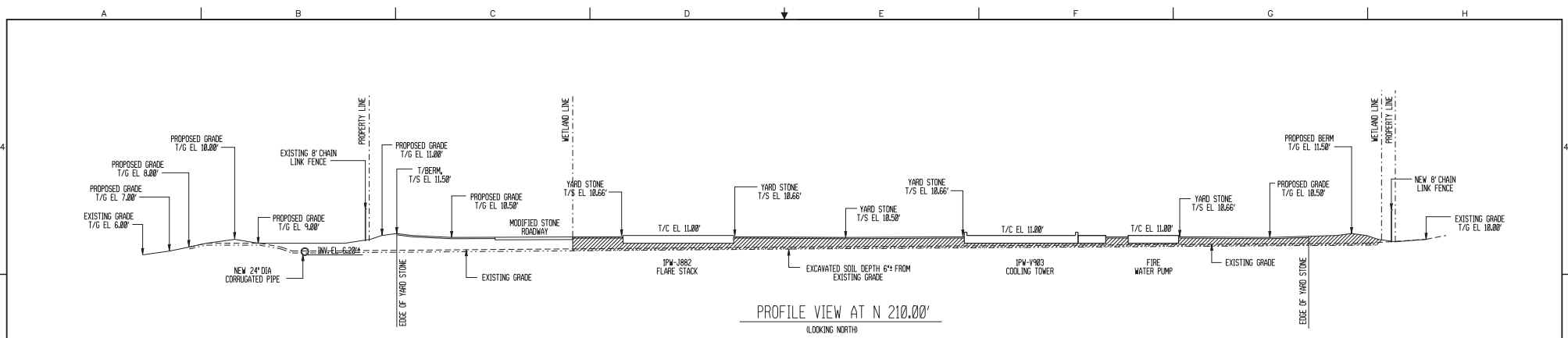


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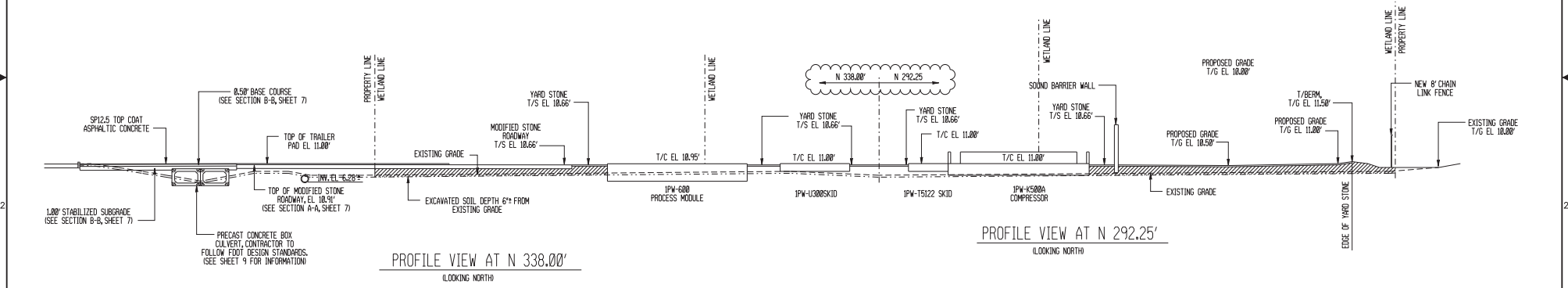
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TITLE	USED ON
SITE PREPARATION GRADING PLAN M320 MODULE PROJECT	EN-12-0948
OWNER GROUP	CIVIL/STRUCTURAL
RELEASE PURPOSE	BUILD/AS DESIGNED
REFERENCE	
DOC No	DOC0000747959-04
SCALE	1"=40' SHEET

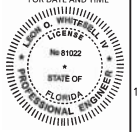
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NOTE:
 ALL DISTURBED AREAS SLOPED AT 6%IV SHALL BE SODED WITH BAHIA.
 ALL OTHER DISTURBED AREAS TO BE SEEDED AND MULCHED.



SEE ELECTRONIC SIGNATURE FOR DATE AND TIME



REV	CN	No	REVISION DESCRIPTION	DATE	BY	CHK'D	APP'D
5			GENERAL REVISIONS		84PR17	ESS	LOW LOW
4			REVISED PROFILES TO SHOW WETLANDS.		84PR17	ESS	LOW LOW
3			REVISED PROFILES BASED ON CONTOUR CHANGES FROM SHIFTING SITE TO THE SOUTH		28FB17	ESS	DPK/LOW DPK/LOW
2			RELEASE FOR CONSTRUCTION		18NOV6	ESS	TLF DPK/LOW
1			PRELIMINARY RELEASE		17OCT6	ESS	---
0			INITIAL RELEASE - PRELIMINARY DESIGN		15JUL6	ESS	---

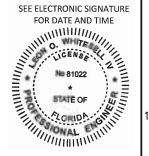
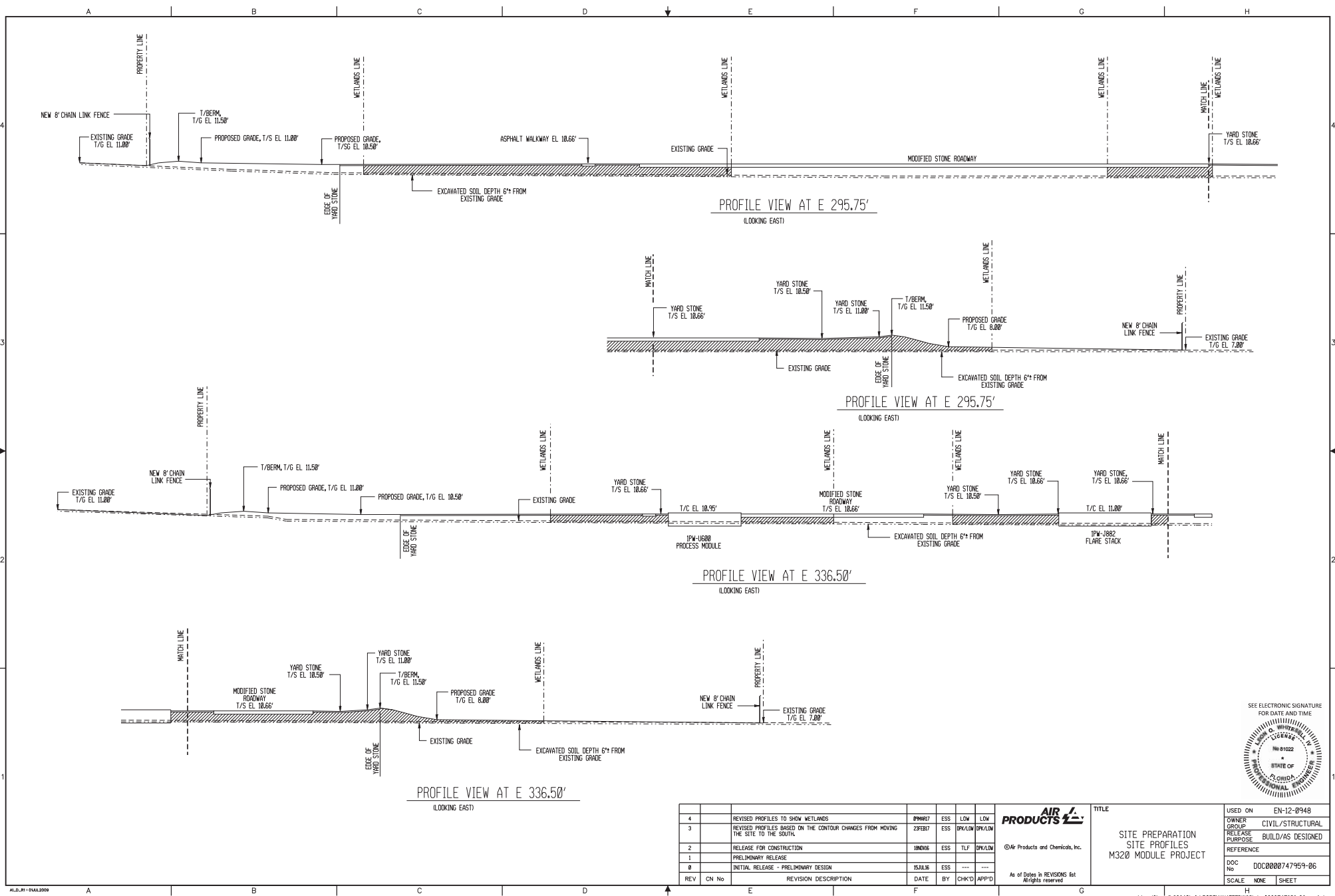


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TITLE	SITE PREPARATION SITE PROFILES M320 MODULE PROJECT
USED ON	EN-12-0948
OWNER GROUP	CIVIL/STRUCTURAL
RELEASE PURPOSE	BUILD/AS DESIGNED
REFERENCE	
DOC No	DOC0000747959-05
SCALE	NONE SHEET

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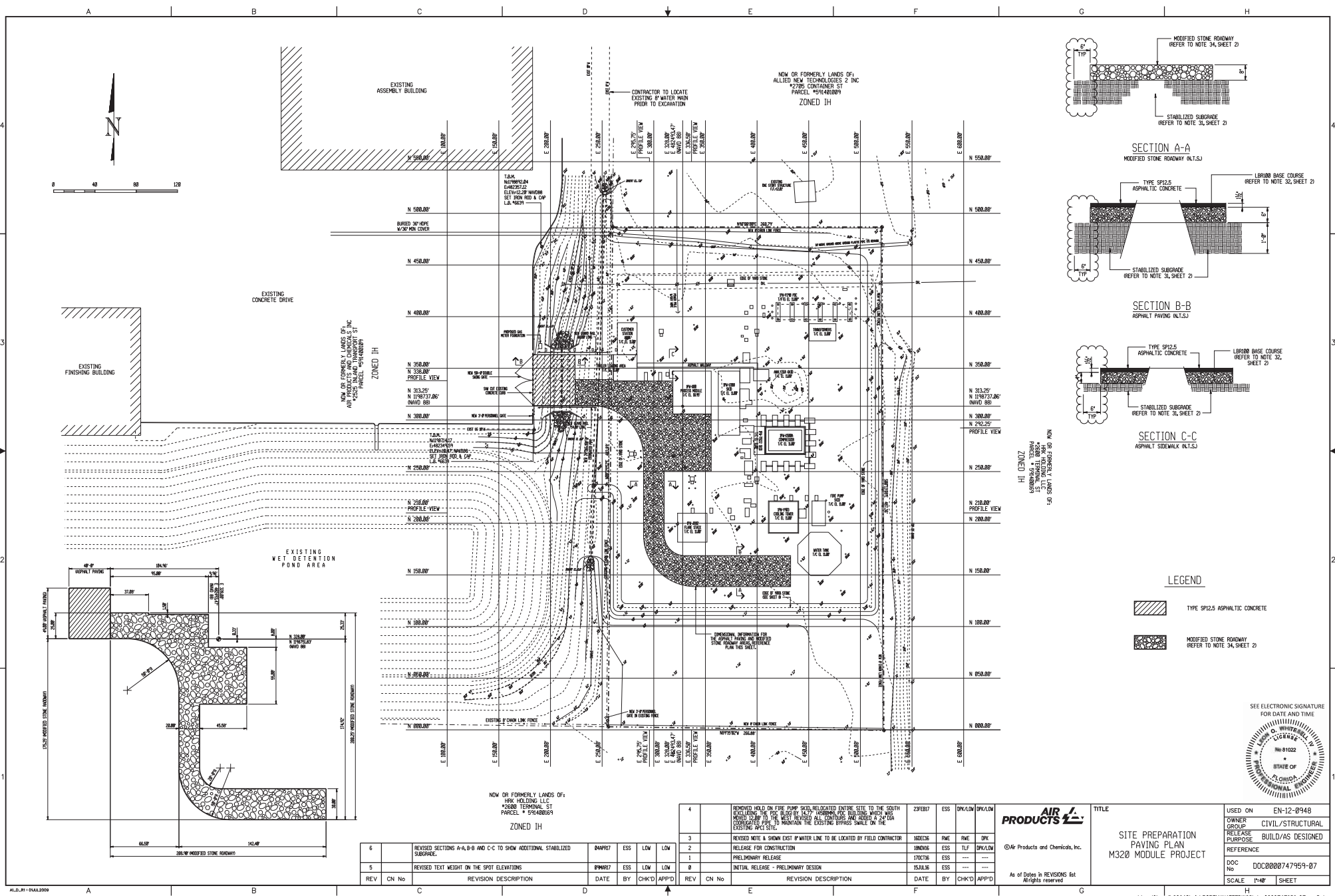
REV	CN No	REVISION DESCRIPTION	DATE	BY	CHK'D	APP'D
4		REVISED PROFILES TO SHOW WETLANDS	09MAR17	ESS	LOW	LOW
3		REVISED PROFILES BASED ON THE CONTOUR CHANGES FROM MOVING THE SITE TO THE SOUTH.	28FEB17	ESS	DPK/LOW	DPK/ALM
2		RELEASE FOR CONSTRUCTION	18NOV16	ESS	TLF	DPK/ALM
1		PRELIMINARY RELEASE				
0		INITIAL RELEASE - PRELIMINARY DESIGN	15JUL16	ESS	---	---

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TITLE
 SITE PREPARATION
 SITE PROFILES
 M320 MODULE PROJECT

USED ON	EN-12-0948
OWNER GROUP	CIVIL/STRUCTURAL
RELEASE PURPOSE	BUILD/AS DESIGNED
REFERENCE	
DOC No	DOC0000747959-06
SCALE	NONE SHEET

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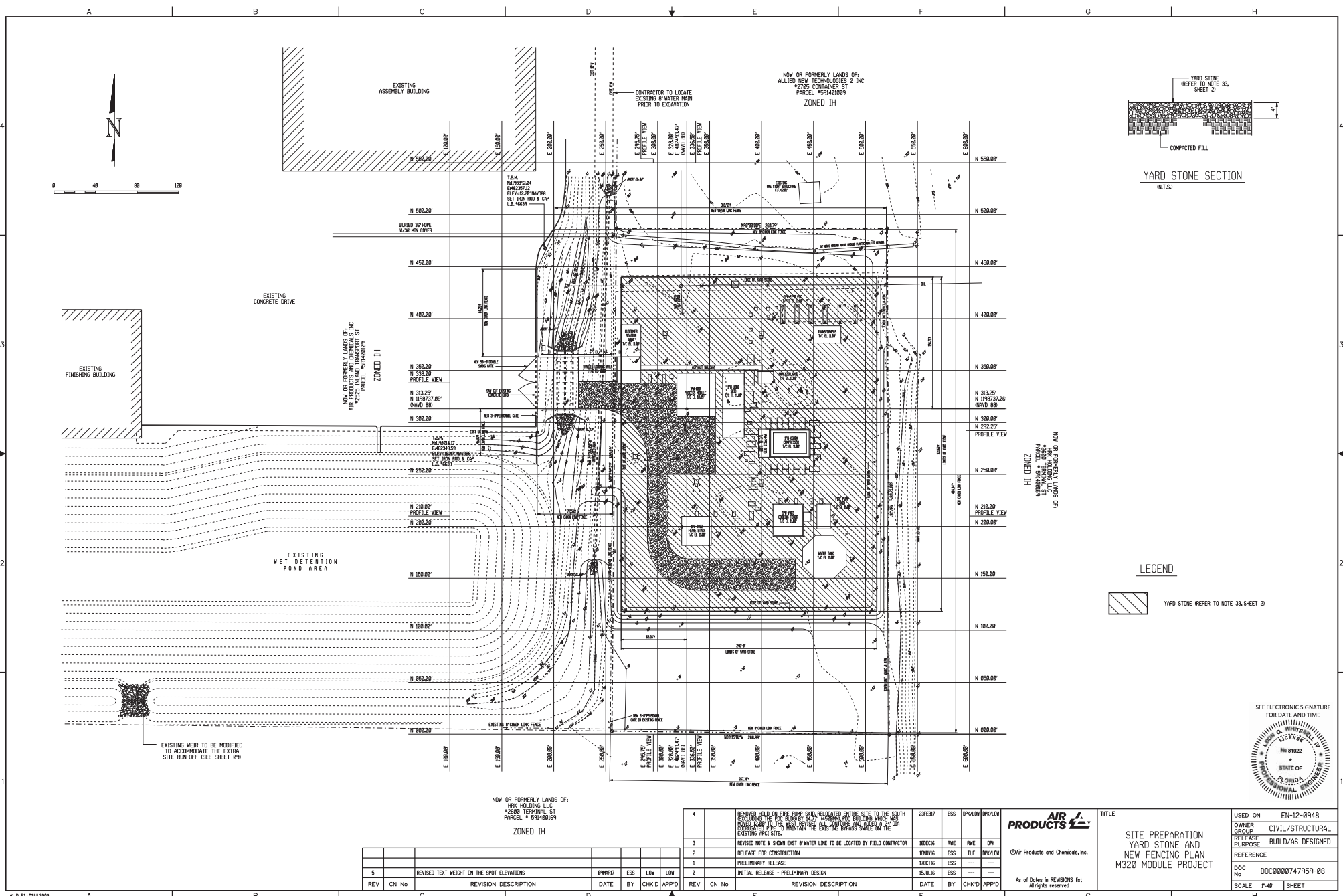


REV	CN No	REVISION DESCRIPTION	DATE	BY	CHK'D	APP'D
6		REVISED SECTIONS A-A, B-B AND C-C TO SHOW ADDITIONAL STABILIZED SUBGRADE	04APR07	ESS	LOW	LOW
5		REVISED TEXT WEIGHT ON THE SPOT ELEVATIONS	04APR07	ESS	LOW	LOW

REV	CN No	REVISION DESCRIPTION	DATE	BY	CHK'D	APP'D
4		REMOVED HOLD ON FIRE PUMP SKULL, RELOCATED ENTIRE SITE TO THE SOUTH EXCLUDING THE TWO BLDGS OF 14,777 SQ-FEET PUMP BLDG WHICH WAS MOVED TO A LOT TO THE WEST REVISED ALL CONTIGUOUS AND ADJACENT 24' DIA CONDUITS TO MAINTAIN THE EXISTING STRESS SHALE ON THE EXISTING APPT SITE.	22FEB07	ESS	DNV/LW	DNV/LW
3		REVISED NOTE A SHOWN EAST OF WATER LINE TO BE LOCATED BY FIELD CONTRACTOR	18DEC06	RWE	RWE	DPK
2		RELEASE FOR CONSTRUCTION	18NOV06	ESS	TLF	DPV/LW
1		PRELIMINARY RELEASE	17OCT06	ESS	---	---
0		INITIAL RELEASE - PRELIMINARY DESIGN	25JUL06	ESS	---	---

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	SEE ELECTRONIC SIGNATURE FOR DATE AND TIME	

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REV	CN No	REVISION DESCRIPTION	DATE	BY	CHK'D	APP'D
5		REVISED TEXT WEIGHT ON THE SPOT ELEVATIONS				

REV	CN No	REVISION DESCRIPTION	DATE	BY	CHK'D	APP'D
4		REMOVED HOLD ON FIRE PUMP SKID, RELOCATED ENTIRE SITE TO THE SOUTH INCLUDING THE FIRE SKID. 147' W/100' NEW SKID FOUND. SKID NOW MOVED TO THE WEST. REVISED ALL CONTIGAS AND ADDED A 24" DIA COMPACTED FILL TO MAINTAIN THE EXISTING BYPASS SWALE ON THE EXISTING APPT SITE.	2/28/17	ESS	DPK/LOW	DPK/LOW
3		REVISED NOTE & SHOWN EAST OF WATER LINE TO BE LOCATED BY FIELD CONTRACTOR	10/20/16	ESS	RWE	DPK
2		RELEASE FOR CONSTRUCTION	10/03/16	ESS	TLF	DPK/LOW
1		PRELIMINARY RELEASE	1/20/16	ESS	---	---
0		INITIAL RELEASE - PRELIMINARY DESIGN	5/20/16	ESS	---	---

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TITLE

SITE PREPARATION
YARD STONE AND
NEW FENCING PLAN
M320 MODULE PROJECT

USED ON EN-12-0948

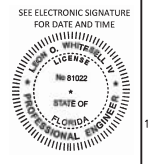
OWNER GROUP CIVIL/STRUCTURAL

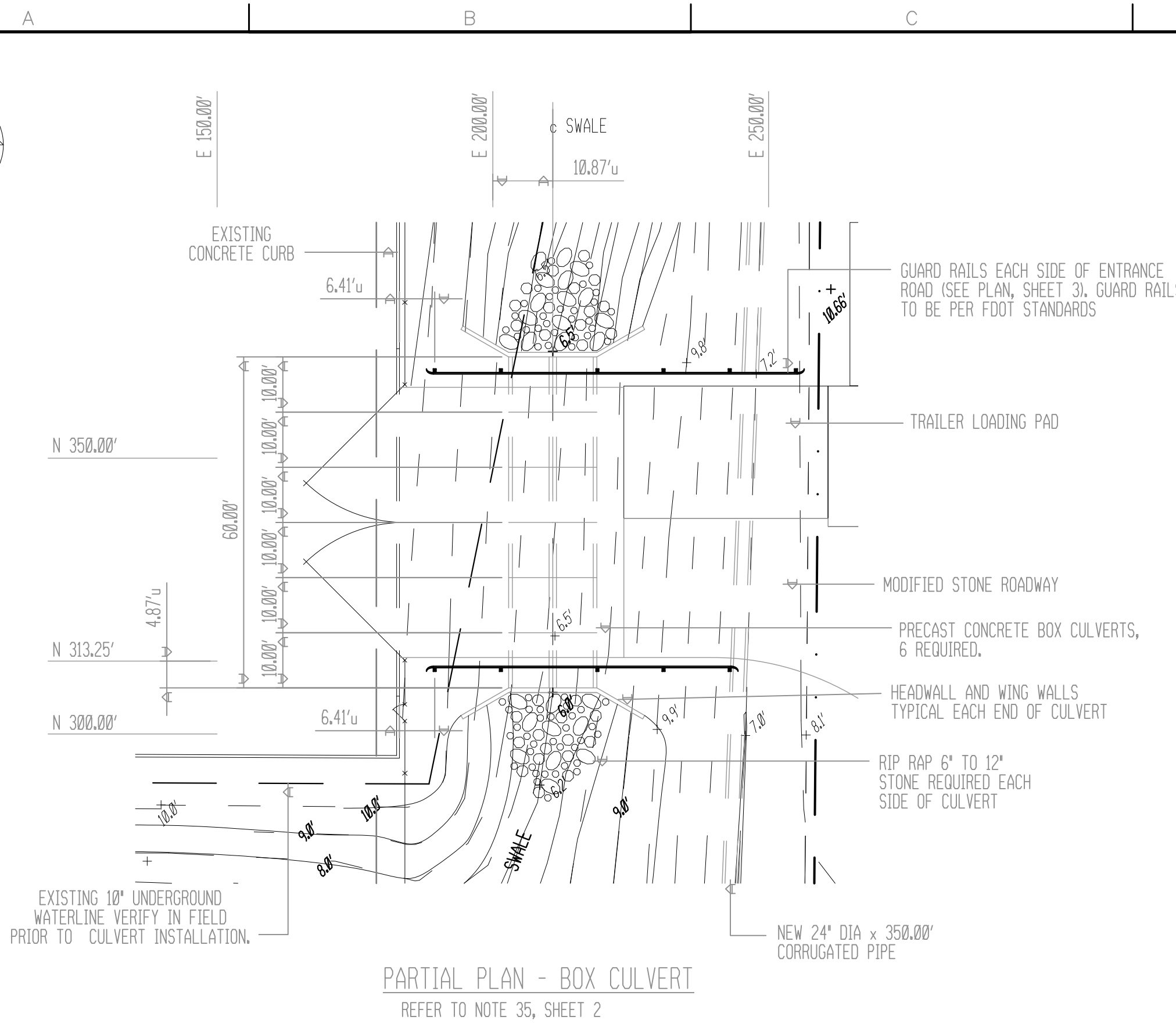
RELEASE PURPOSE BUILD/AS DESIGNED

REFERENCE

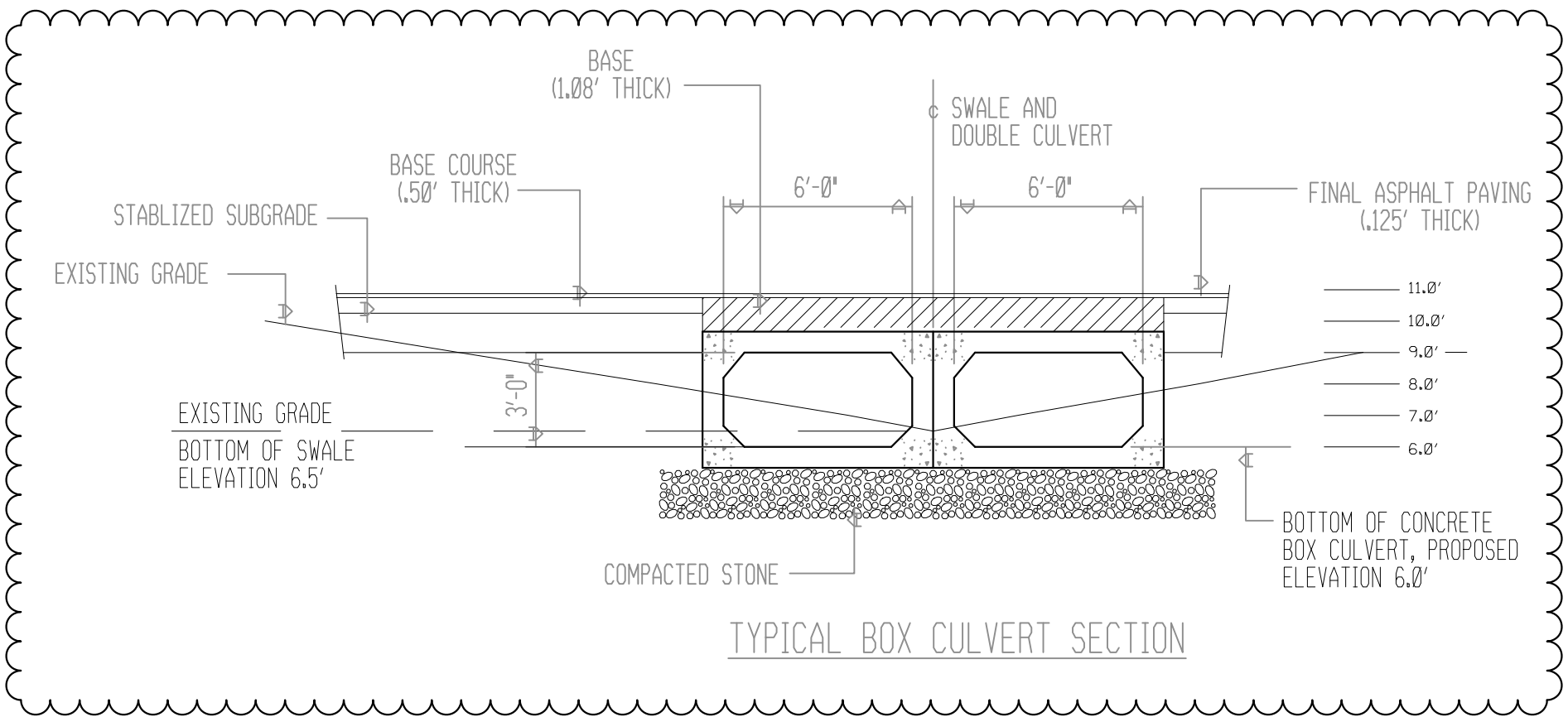
DOC No DOC0000747959-08

SCALE 1"=40' SHEET

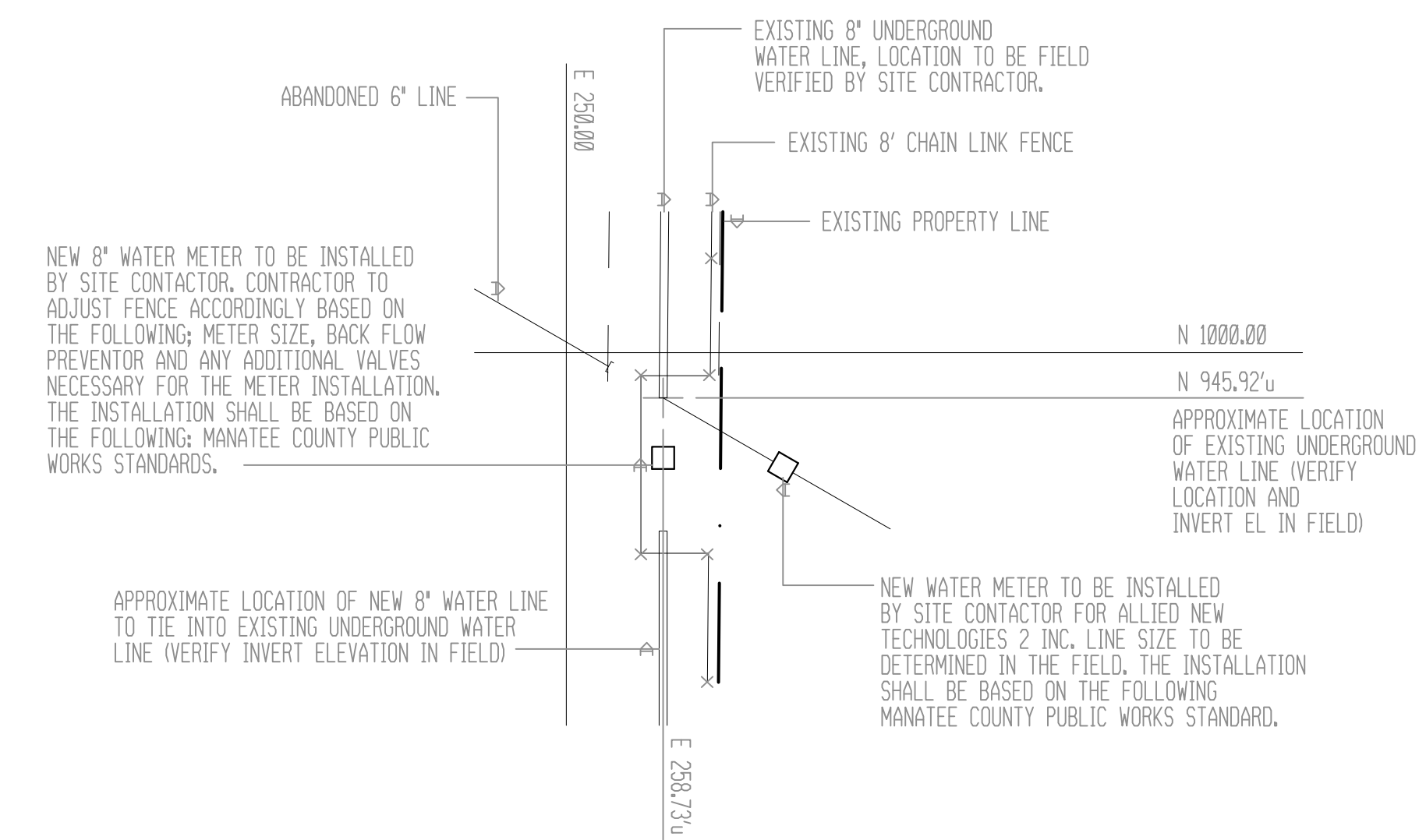




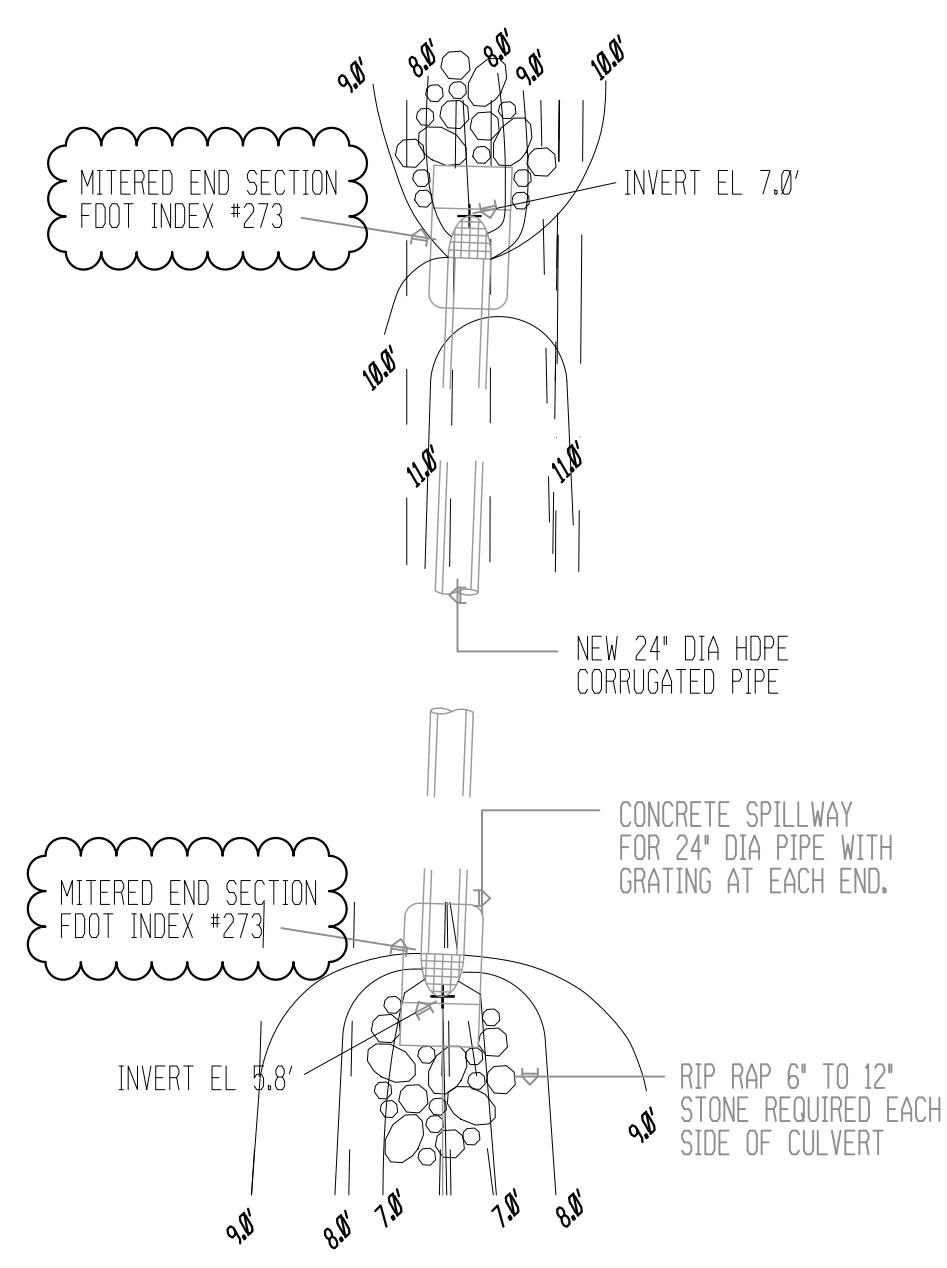
PARTIAL PLAN - BOX CULVERT
REFER TO NOTE 35, SHEET 2



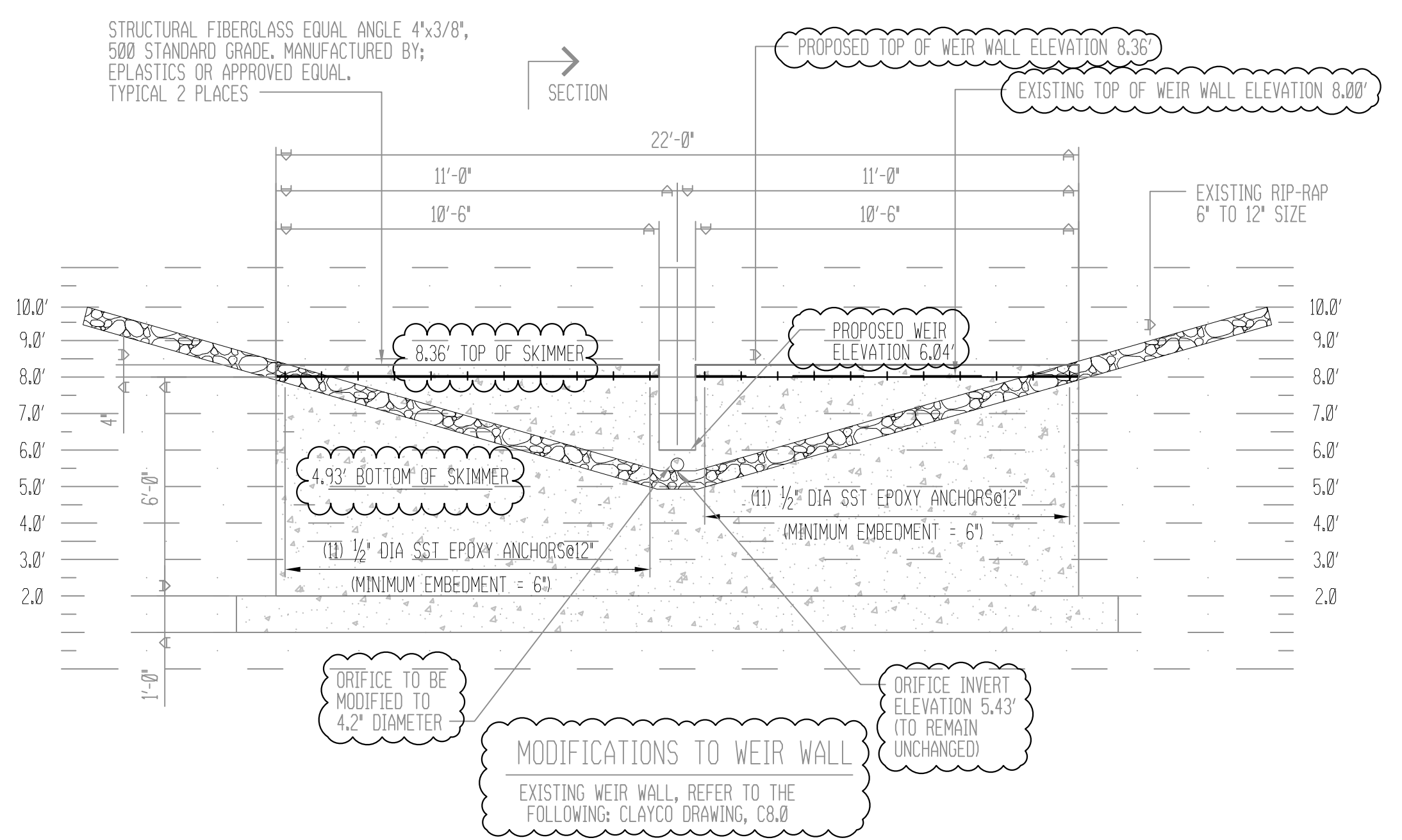
TYPICAL BOX CULVERT SECTION



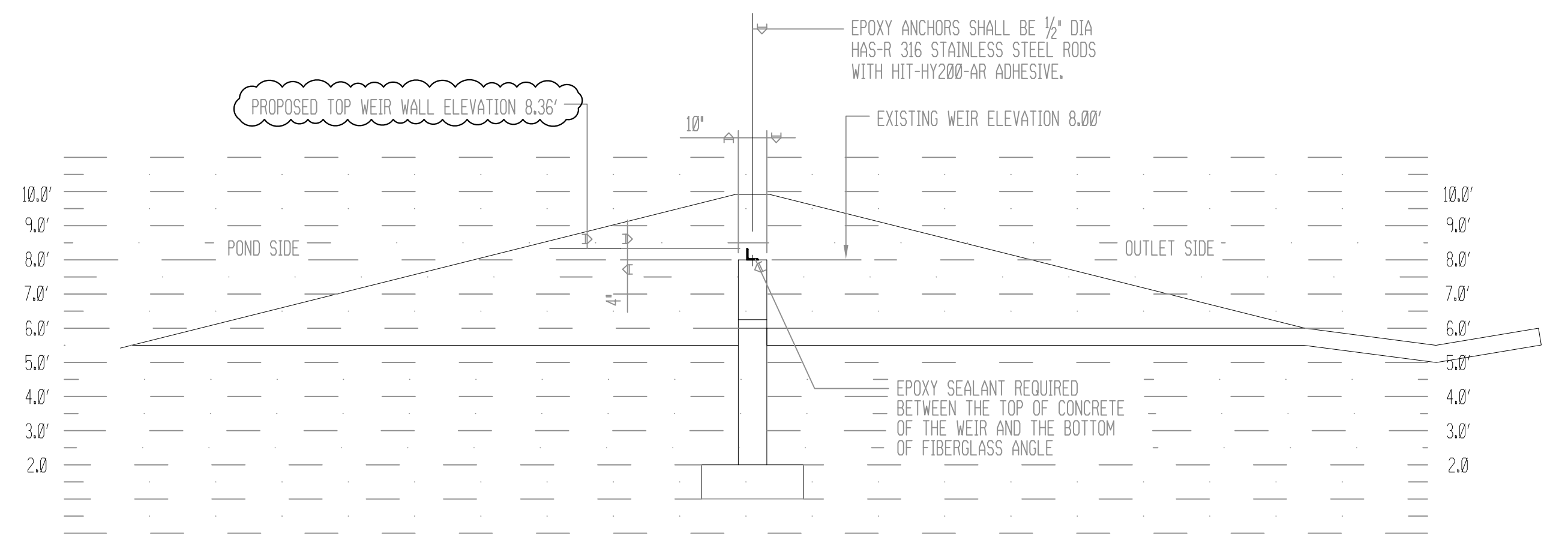
WATER METERING STATION



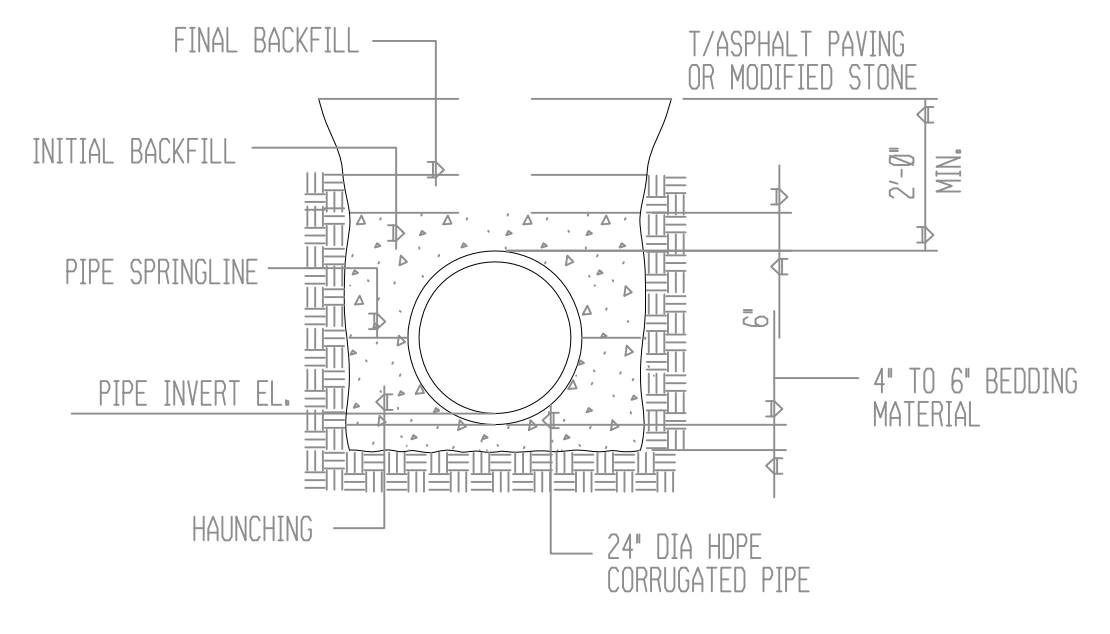
PARTIAL PLAN - 24\"/>



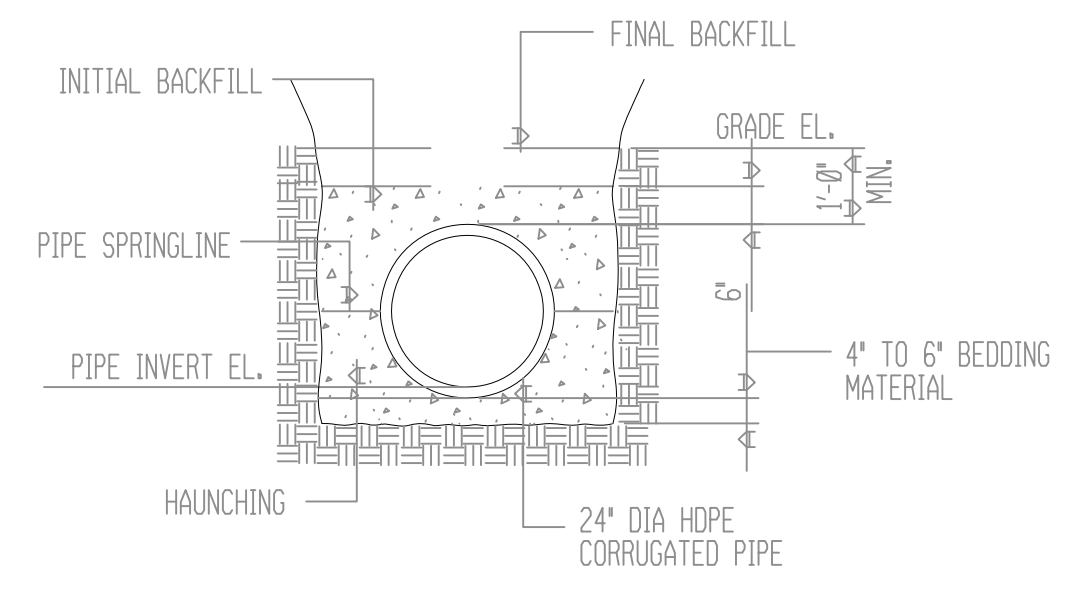
MODIFICATIONS TO WEIR WALL



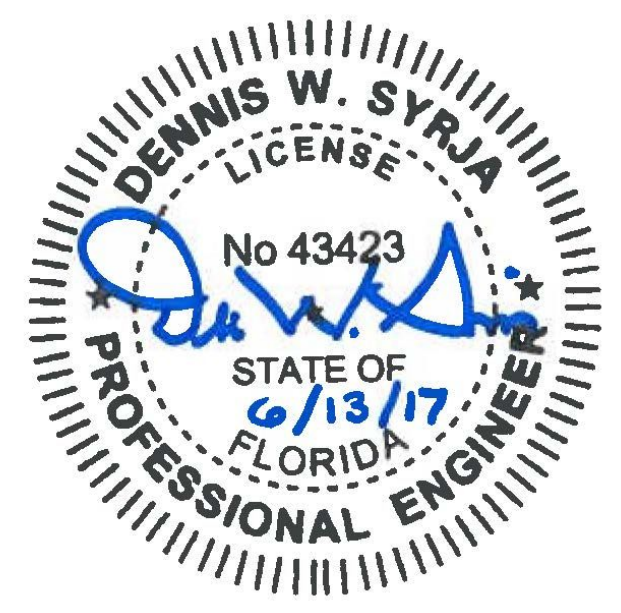
SECTION



TYPICAL CORRUGATED PIPE SECTION UNDER ROADWAY



TYPICAL CORRUGATED PIPE SECTION



REV	CON No	REVISION DESCRIPTION	DATE	BY	CHK'D	APP'D
4		MODIFICATIONS TO WEIR WALL	09JUN17	CAB	KMW	DWS
3		REVISED TYPICAL BOX CULVERT SECTION AND GENERAL REVISIONS	04APR16	ESS	LOW	LOW
2		REVISED PARTIAL PLAN-BOX CULVERT TO MATCH MOVEMENT TO THE SOUTH BY 14.77' (4500MM), ADDED TYPICAL CORRUGATED PIPE SECTION WITH CONCRETE END SECTION WITH GRATES.	09MAR17	ESS	LOW	LOW
1		RELEASE FOR CONSTRUCTION	18NOV16	ESS	TLF	DPK/LOW
0		PRELIMINARY RELEASE	17OCT16	ESS	---	---

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	SITE PREPARATION DETAILS	EN-12-0948
	M320 MODULE PROJECT	CIVIL/STRUCTURAL
		BUILD/AS DESIGNED
	REFERENCE	
	DOC No	DOC0000747959-09
	SCALE	NONE
	SHEET	

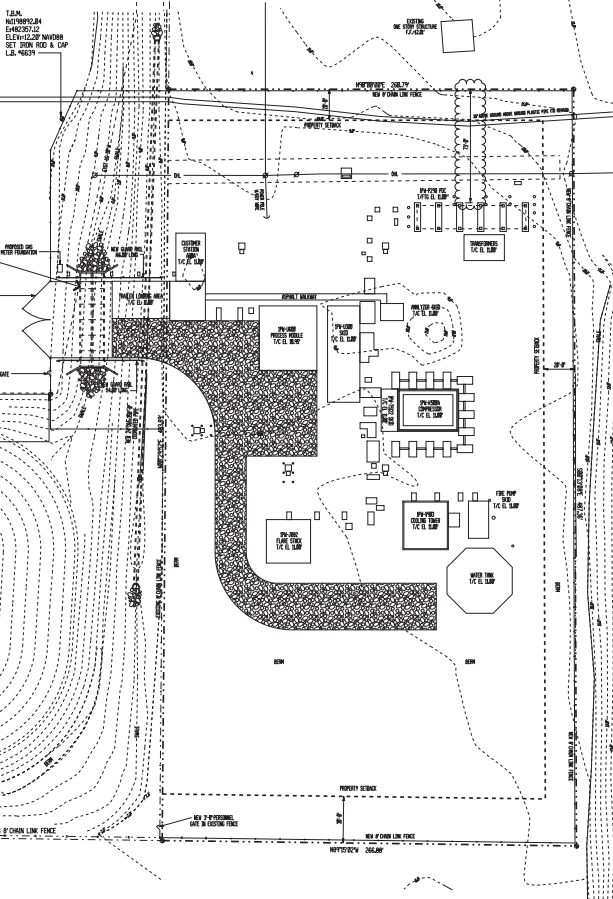
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CURRENT ZONING:
INDUSTRIAL/MANUFACTURING

ADJACENT LAND USE AND ZONING:
NORTHSIDE ZONED JH
CONCRETE BUILDING
WESTSIDE ZONED JH
INDUSTRIAL/MANUFACTURING
SOUTHSIDE ZONED JH
VICINITY
EASTSIDE ZONED JH
VICINITY

EQUIPMENT	FUN FOOTPRINT (SQ FT)	ISO FT	EQUIP HEIGHT	SETBACK NEAREST PROPERTY LINE
IPA-1000 PROCESS MODULE	1542.42	14.00	14.00	152.50' NORTH PROPERTY LINE
IPA-1002 FLARE STACK	792.80	16.00	16.00	171.00' EAST PROPERTY LINE
IPA-1008 PDC ENCLOSURE	370.00	16.00	16.00	24.85' EAST PROPERTY LINE
IPA-1522 SKID	287.80	4.10	4.10	14.20' EAST PROPERTY LINE
IPA-1000 SKID	1254.40	25.47	25.47	58.47' EAST PROPERTY LINE
IPA-1000 COMPRESSOR	1076.11	15.10	15.10	74.70' EAST PROPERTY LINE
IPA-1005 COOLING TOWER	951.11	28.35	28.35	58.70' EAST PROPERTY LINE
ANALYZER SKID	162.36	7.65	7.65	108.15' EAST PROPERTY LINE
CUSTOMER STATION AREA	501.00	15.00	15.00	63.85' NORTH PROPERTY LINE
TRANSFORMERS	433.33	8.00	8.00	46.85' EAST PROPERTY LINE
FIRE PUMP STATION	322.00	8.50	8.50	55.85' EAST PROPERTY LINE
WATER TANK	158.45	40.00	40.00	48.85' EAST PROPERTY LINE
IPA-1000A BARRIER WALL	716.77	18.00	18.00	78.00' EAST PROPERTY LINE
TROLLEY LOADING AREA	147.00	18.00	18.00	123.70' NORTH PROPERTY LINE

NOTE:
ALL SETBACK DISTANCES ARE FROM THE NORTH, SOUTH AND EAST PROPERTY LINES



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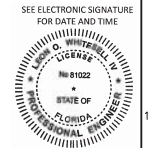


REV	CN No	REVISION DESCRIPTION	DATE	BY	CHK'D	APP'D
2		ADDED DIMENSION		BAPRI7	ESS	LOW LOW
1		REVISED SETBACKS FROM PROPERTY LINE.		BAPRI7	ESS	LOW LOW
0		NEW DRAWING TO SHOW PROPERTY SETBACKS		ZPFB17	ESS	DNK/LW DNK/LW

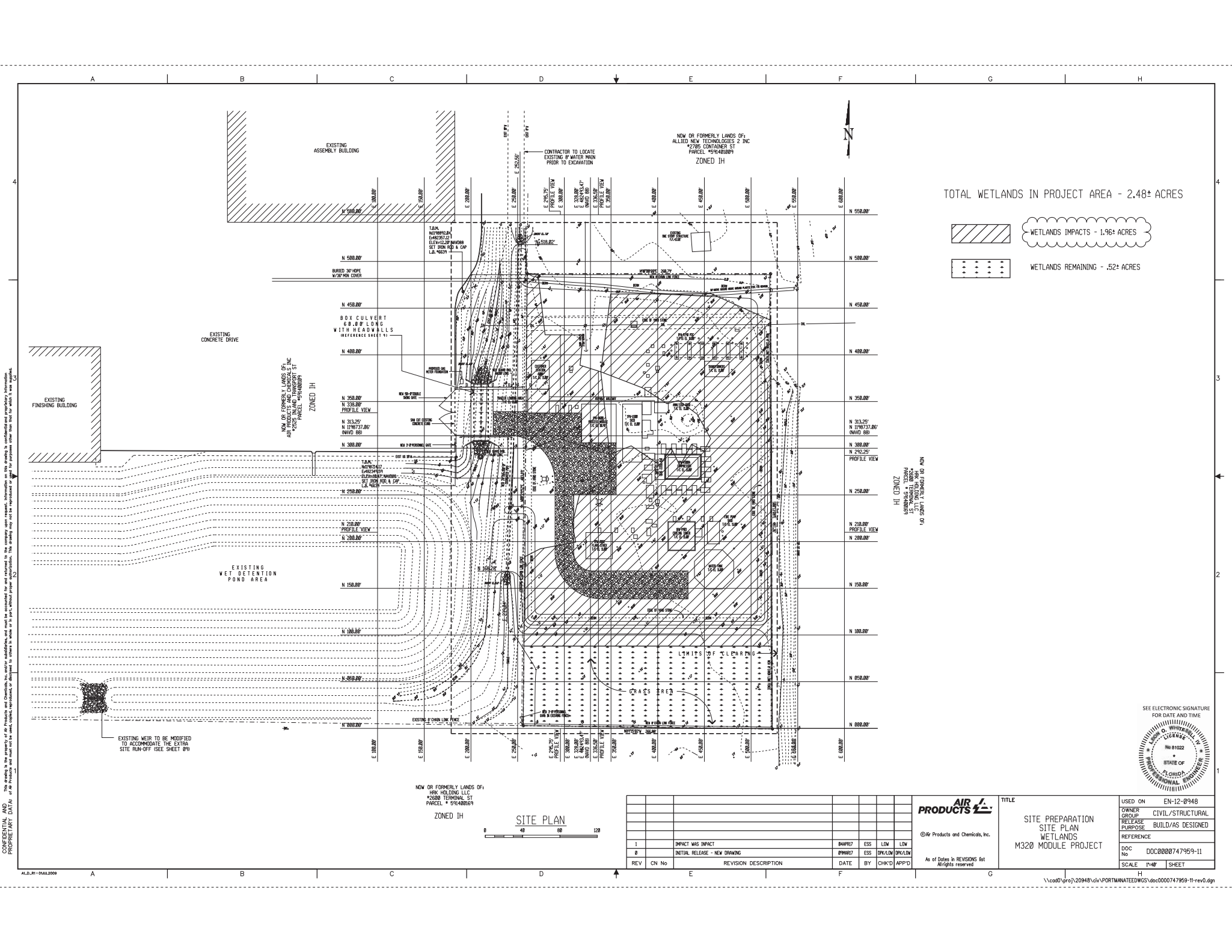


TITLE
SITE PREPARATION
SITE PLAN
PROPERTY SETBACK
M320 MODULE PROJECT



USED ON	EN-12-0948
OWNER GROUP	CIVIL/STRUCTURAL
RELEASE PURPOSE	BUILD/AS DESIGNED
REFERENCE	
DOC No	DOC0000747959-10
SCALE	1"=40' SHEET



SEE ELECTRONIC SIGNATURE FOR DATE AND TIME



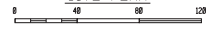
TOTAL WETLANDS IN PROJECT AREA - 2.48± ACRES

 WETLANDS IMPACTS - 1.96± ACRES
 WETLANDS REMAINING - .52± ACRES

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NW OR FORMERLY LANDS OF:
 HSK HOLDING LLC
 #288 TERMINAL ST
 PARCEL # 91480809
 ZONED IH

SITE PLAN



REV	CH	NO	REVISION DESCRIPTION	DATE	BY	CHK'D	APP'D
1			IMPACT WAS IMPACT	04/07/17	ESS	LOW	LOW
0			INITIAL RELEASE - NEW DRAWING	09/04/17	ESS	DN/KLN	DN/KLN



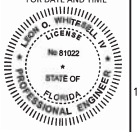
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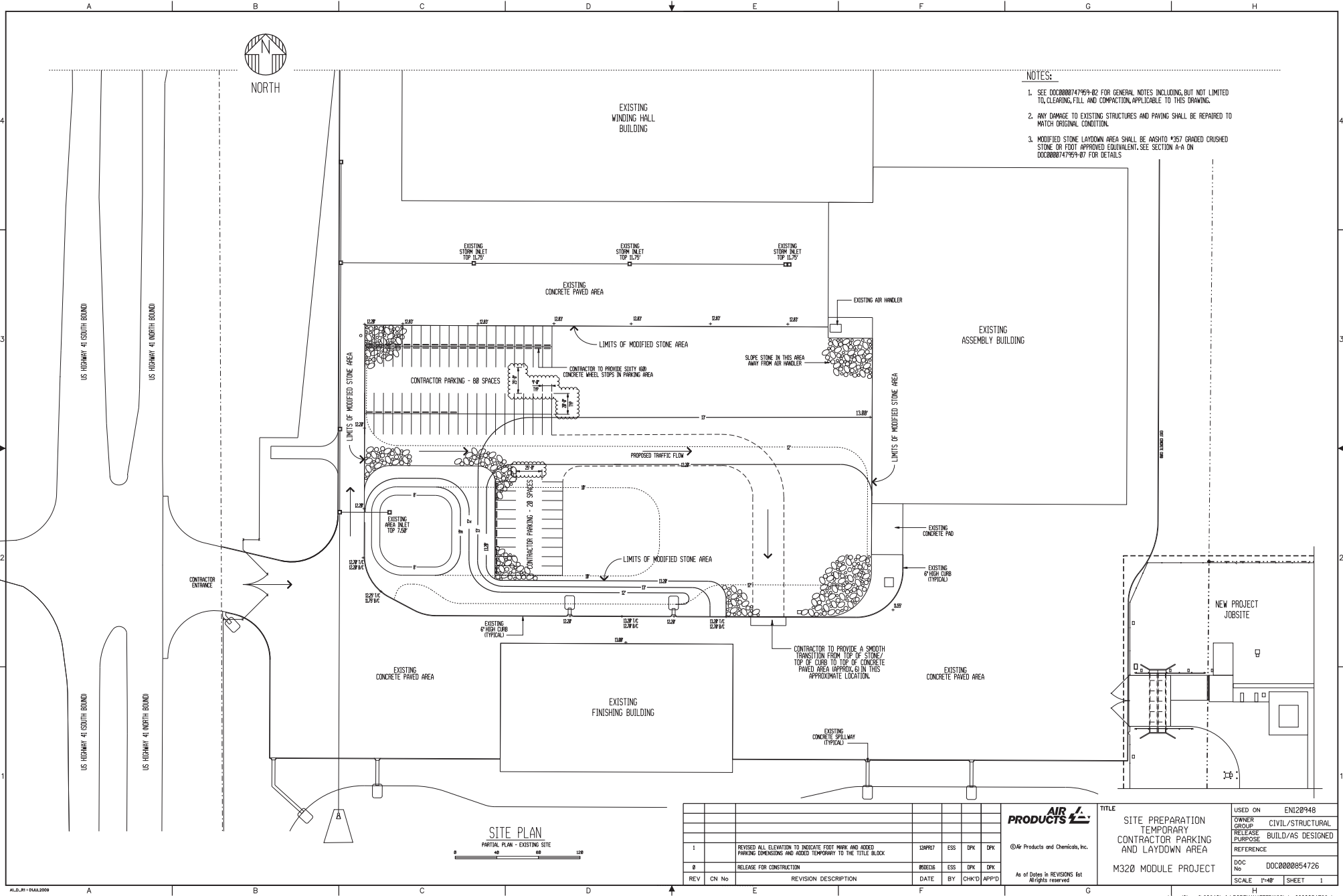
TITLE
 SITE PREPARATION
 SITE PLAN
 WETLANDS
 M320 MODULE PROJECT

USED ON	EN-12-0948
OWNER GROUP	CIVIL/STRUCTURAL
RELEASE PURPOSE	BUILD/AS DESIGNED
REFERENCE	
DOC No	DOC0000747959-11
SCALE	1"=40' SHEET

SEE ELECTRONIC SIGNATURE FOR DATE AND TIME



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- NOTES:**
- SEE DCC000074799-R2 FOR GENERAL NOTES INCLUDING, BUT NOT LIMITED TO, CLEARING, FILL AND COMPACTION, APPLICABLE TO THIS DRAWING.
 - ANY DAMAGE TO EXISTING STRUCTURES AND PAVING SHALL BE REPAIRED TO MATCH ORIGINAL CONDITION.
 - MODIFIED STONE LAYDOWN AREA SHALL BE #6SD10 #367 GRADED CRUSHED STONE OR FOOT APPROVED EQUIVALENT. SEE SECTION A-A ON DCC000074799-R7 FOR DETAILS.

REV	CN No	REVISION DESCRIPTION	DATE	BY	CHK'D	APP'D
1		REVISED ALL ELEVATION TO INDICATE FOOT MARK AND ADDED PARKING DIMENSIONS AND ADDED TEMPORARY TO THE TITLE BLOCK	12APR7	ESS	EPK	EPK
0		RELEASE FOR CONSTRUCTION	08DEC16	ESS	EPK	EPK

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TITLE
SITE PREPARATION
TEMPORARY
CONTRACTOR PARKING
AND LAYDOWN AREA

M320 MODULE PROJECT

USED ON ENI20948

OWNER GROUP CIVIL/STRUCTURAL

RELEASE PURPOSE BUILD/AS DESIGNED

REFERENCE

DOC No DCC0000854726

SCALE 1"=40' | **SHEET** 1

STORMWATER POLLUTION PREVENTION PLAN:

CONTAINED ON THESE PLANS AND WITHIN THE FOLLOWING NOTES IS A STORMWATER POLLUTION PREVENTION PLAN (THE PLAN) WHICH HAS BEEN DEVELOPED BY AECOM IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION AGENCY'S "NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM" (NPDES) GENERAL PERMIT.

THE FOLLOWING ENTITIES ARE IDENTIFIED AS TEAM MEMBERS OF "THE PLAN": AECOM, THE DEVELOPER AS IDENTIFIED IN THE TITLE BOX OF THESE PLANS, AND THE SITE CONTRACTOR AND HIS SUB-CONTRACTORS. EACH TEAM MEMBER HAS SPECIFIC RESPONSIBILITIES AND OBLIGATIONS. IN GENERAL, ALL TEAM MEMBERS, WITH REGARD TO THEIR INVOLVEMENT AND RESPONSIBILITIES ON THE PROJECT, ARE TO IMPLEMENT ALL NECESSARY STORMWATER MANAGEMENT CONTROLS TO ASSURE COMPLIANCE WITH STATE WATER POLICY OF FLORIDA (CHAPTER 17-40, FLORIDA ADMINISTRATIVE CODE), THE APPLICABLE STORMWATER REQUIREMENTS OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, AND THE GUIDELINES CONTAINED IN THE FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT (FDER 1988). MORE SPECIFICALLY, THE DUTIES AND RESPONSIBILITIES OF THE TEAM MEMBERS ARE AS FOLLOWS:

AECOM

- A. DEVELOP A DESIGN FOR STORMWATER POLLUTION PREVENTION INCLUDING, BUT NOT LIMITED TO, RETENTION/DETENTION PONDS, CONTROL STRUCTURES, EROSION CONTROL METHODS AND LOCATIONS AND STABILIZATION CRITERIA. THIS DESIGN IS INCLUDED WITHIN THESE CONSTRUCTION PLANS.
- B. UPON NOTIFICATION BY THE CONTRACTOR, MODIFY THE PLAN AS REQUIRED TO PREVENT STORMWATER POLLUTION RUN-OFF.
- C. SUBMIT AND OBTAIN THE NECESSARY DESIGN RELATED STORMWATER PERMITS FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT AND OTHER APPLICABLE GOVERNMENTAL BODIES.
- D. UPON NOTIFICATION BY THE DEVELOPER OF HIS INTENT TO COMMENCE CONSTRUCTION, SUBMIT A NOTICE OF INTENT PERMIT TO THE ENVIRONMENTAL PROTECTION AGENCY, ALONG WITH A NARRATIVE STATEMENT CERTIFYING THAT THE STORMWATER POLLUTION PREVENTION PLAN PROVIDES COMPLIANCE WITH APPROVED STATE OF FLORIDA ISSUED PERMITS, EROSION AND SEDIMENTATION CONTROL PLANS AND STORMWATER MANAGEMENT PLANS.
- E. SUBMIT TO EPA, ALONG WITH THE ABOVE CERTIFICATION, A COPY OF THE COVER PAGE OF THE STATE OF FLORIDA PERMIT ISSUED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND/OR THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT.
- F. SUBMIT TO EPA A COPY OF THE NOTICE OF INTENT TO THE APPLICABLE OPERATOR OF THE MUNICIPAL SEPARATE STORMWATER SYSTEM.
- G. COMPLETE THE APPROPRIATE FORMS FOR THE DEVELOPER'S SUBMISSION OF THE NOTICE OF TERMINATION TO THE ENVIRONMENTAL PROTECTION AGENCY AND ALL APPLICABLE GOVERNMENTAL ENTITIES UPON COMPLETION OF CONSTRUCTION AND FINAL STABILIZATION.

CONTRACTOR

- A. DURING CONSTRUCTION, ASSURE COMPLIANCE WITH THE DESIGNED STORMWATER POLLUTION PREVENTION PLANS PREPARED BY AECOM.
- B. NOTIFY AECOM AND THE DEVELOPER IN WRITING OF ANY NON-STORMWATER POLLUTION SOURCES WHICH ARE BEING STORED, OR OTHERWISE USED DURING THE CONSTRUCTION OF THE PROJECT, I.E., FERTILIZERS, FUELS, PESTICIDES, OTHER CHEMICALS. THIS NOTIFICATION SHOULD BE ACCOMPANIED WITH THE CONTRACTOR'S DESIGN AND METHODS TO PREVENT POLLUTION RUN-OFF FROM THESE SOURCES.
- C. INSPECT ALL EROSION CONTROL DEVICES (MINIMUM WEEKLY), REPAIR AND/OR REPLACE AS NEEDED.
- D. INSPECT ALL STORMWATER POINTS OF DISCHARGE AND NOTIFY AECOM IN WRITING IF EROSION CONTROL AND STORMWATER MANAGEMENT MEASURES ARE INEFFECTIVE, AND IF REVISION TO THE STORMWATER MANAGEMENT PLAN ARE NEEDED.
- E. INITIATE SITE STABILIZATION MEASURES AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED.
- F. SUBMIT A CERTIFICATION, UTILIZING YOUR COMPANY LETTERHEAD, TO AECOM AND TO THE DEVELOPER AS FOLLOWS:

"I CERTIFY UNDER PENALTY OF LAW, THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORMWATER DISCHARGES ASSOCIATED WITH ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION."

CONTRACTOR:
 ADDRESS:
 CITY, STATE, ZIP:
 TELEPHONE NUMBER:
 DATE _____
 SIGNATURE _____
 NAME & TITLE _____

THIS CERTIFICATION SHALL BE MADE PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR IS ALSO RESPONSIBLE TO ASSURE THAT ALL SUB-CONTRACTORS SIGN THE ABOVE CERTIFICATION AND SUBMIT SAME TO THE DEVELOPER AND URS CORPORATION, INC.

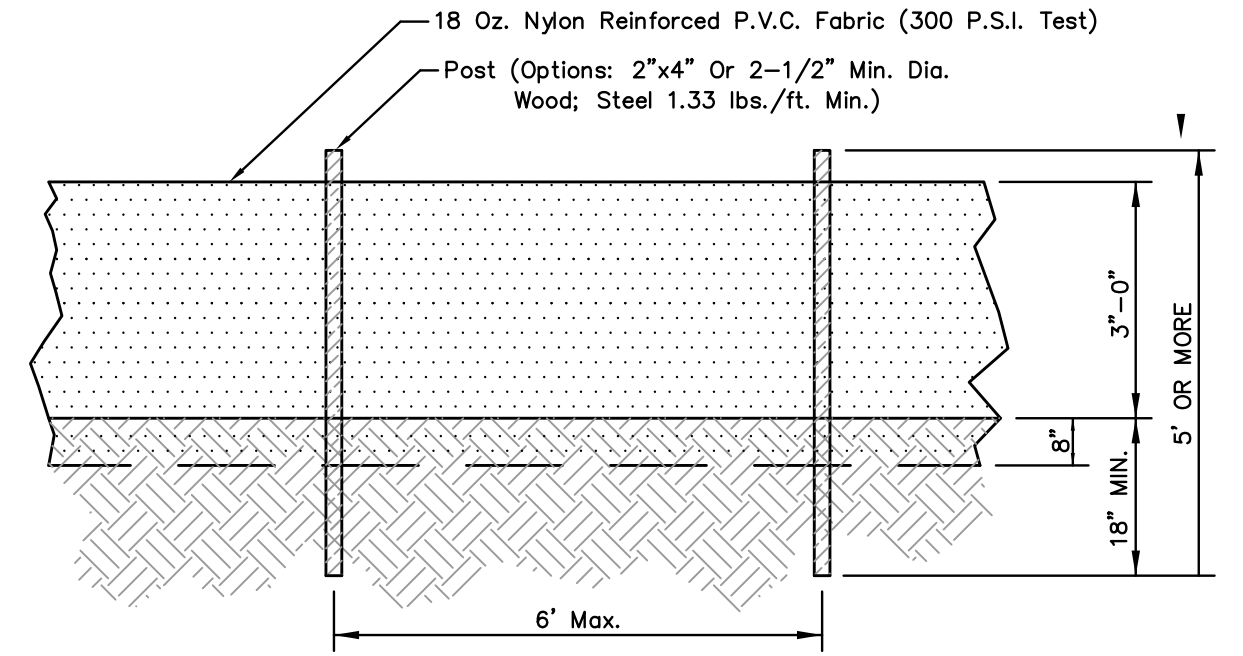
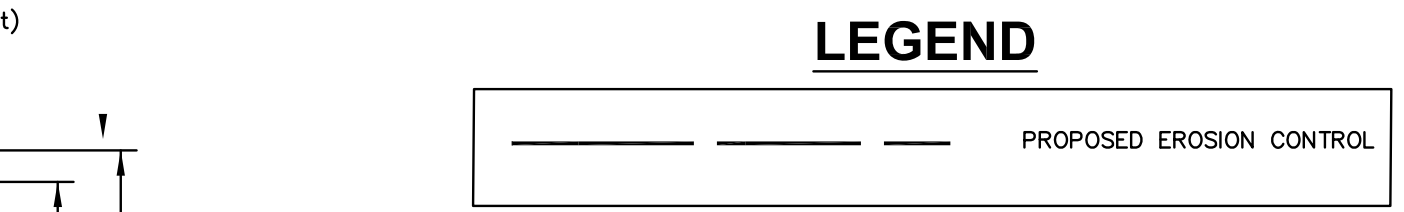
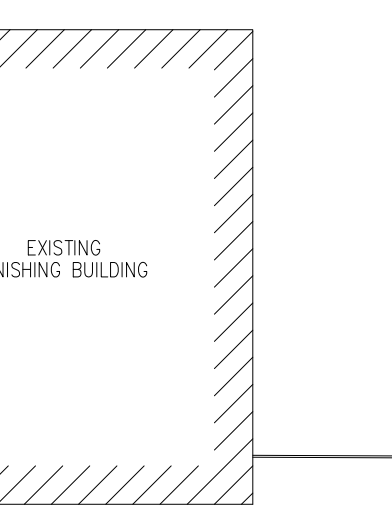
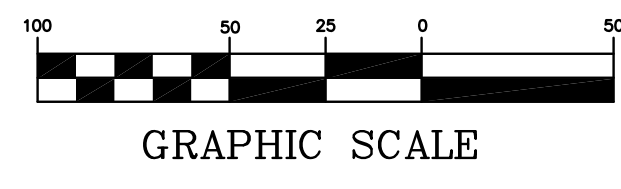
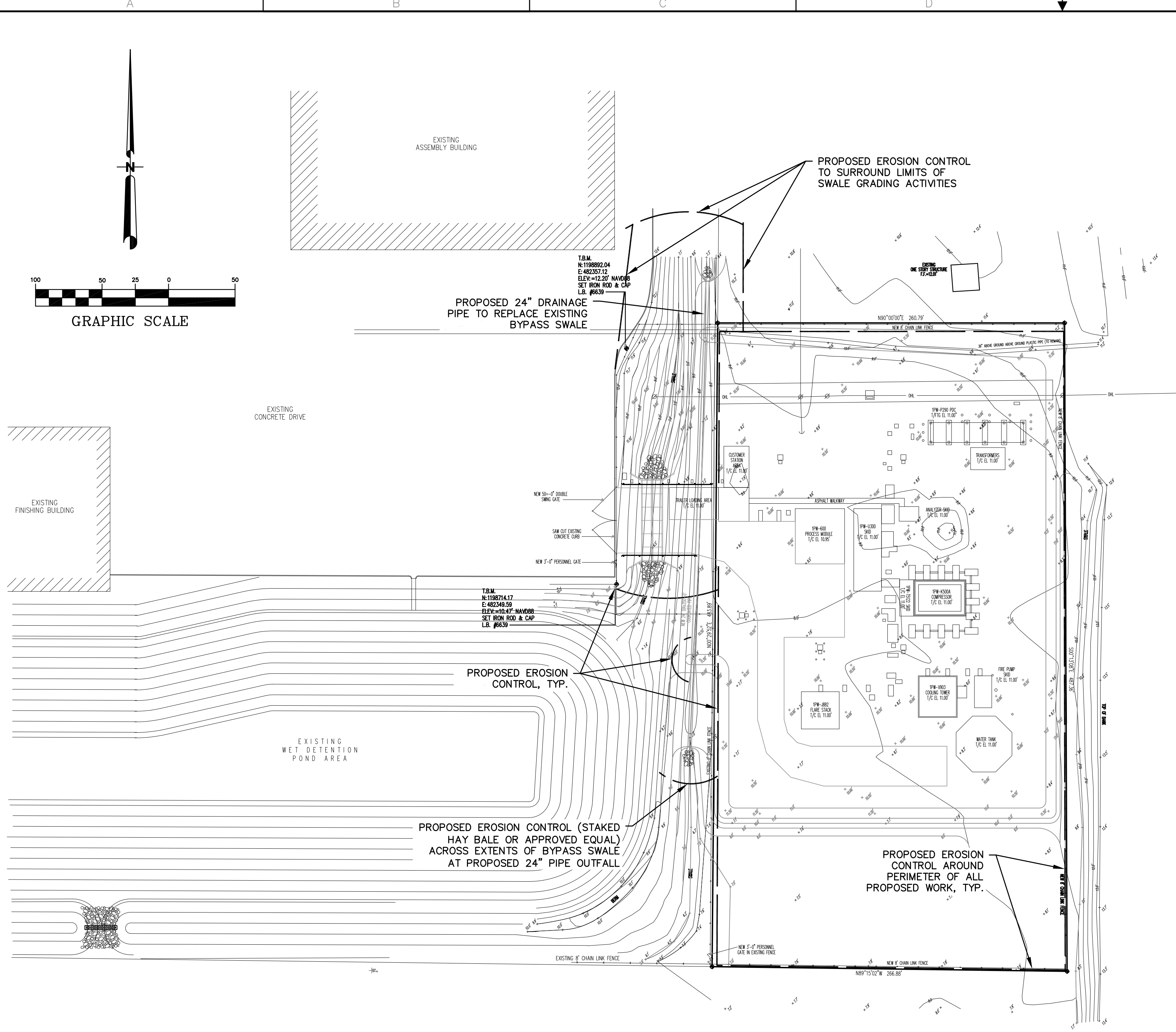
- G. MAINTAIN A COPY OF THE CONSTRUCTION PLANS, WHICH INCLUDE THE STORMWATER POLLUTION PREVENTION PLANS, ON-SITE.
- H. UNDERTAKE ALL REASONABLE MEASURES TO ASSURE THAT SILTED OR OTHERWISE POLLUTED STORMWATER IS NOT ALLOWED TO DISCHARGE FROM THE SITE.
- I. USE THE DETENTION PONDS AS SEDIMENTATION BASINS OR CREATE SEDIMENTATION BASINS AS NEEDED.

DEVELOPER

- A. SIGN AND CERTIFY THE NOTICE OF INTENT FORM AS OPERATOR OF THE STORMWATER DISCHARGE FACILITY AND PERMITEE.
- B. SIGN AND SUBMIT A NOTICE OF TERMINATION FORM FOLLOWING CONSTRUCTION AND FINAL STABILIZATION OF THE SITE.

SITE SPECIFIC NOTES:

1. RECEIVING WATERS OR MUNICIPAL SEPARATE STORM WATER SYSTEM: TAMPA BAY.
2. ANTICIPATED START DATE: 09/01/17.
3. ANTICIPATED COMPLETION DATE: 05/31/18.
4. ANTICIPATED CONSTRUCTION SEQUENCE IS AS FOLLOWS: COMPLETE EROSION CONTROL INSTALLATION, CLEARING AND GRUBBING, EARTHWORK ACTIVITIES, STORMWATER SYSTEM CONSTRUCTION, UTILITY CONSTRUCTION, BASE AND PAVEMENT CONSTRUCTION, FINAL STABILIZATION.
5. TOTAL SITE ACRES: 2.94
TOTAL AREA TO BE DISTURBED: 1.7 AC
6. RUN-OFF COEFFICIENTS ('C' FACTORS) PRE-DEVELOPED: 0.2
POST-DEVELOPED: 0.8
7. THE STORMWATER MANAGEMENT SYSTEM, UPON COMPLETION OF CONSTRUCTION AND APPROPRIATE CERTIFICATION AND AS-BUILT SUBMITTALS, WILL BE OPERATED AND MAINTAINED BY: AIR PRODUCTS.
8. THE POTENTIAL SOURCE OF POLLUTION FROM THIS PROJECT IS SOIL EROSION DURING CONSTRUCTION ACTIVITIES.
9. LOCATION OF DISCHARGE POINT: LATITUDE = 27° 37' 48.70"
LONGITUDE = 82° 32' 10.45"



EROSION / SEDIMENTATION CONTROL DEVICE - TYPICAL
N.T.S.



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TITLE
STORMWATER POLLUTION PREVENTION PLAN
M320 MODULE PROJECT

USED ON	EN-12-0948
OWNER GROUP	CIVIL/STRUCTURAL
RELEASE PURPOSE	BUILD/AS DESIGNED
REFERENCE	
DOC No	DOC0000854882
SCALE	1"=40'
SHEET	

REV	DN No	REVISION DESCRIPTION	DATE	BY	CHK'D	APP'D

CONFIDENTIAL AND THIS DRAWING IS THE PROPERTY OF AIR PRODUCTS AND CHEMICALS, INC. AND/OR SUBSIDIARIES, AND MUST BE ACCOUNTED FOR AND RETURNED TO THE COMPANY UPON REQUEST. INFORMATION ON THIS DRAWING IS CONFIDENTIAL AND PROPRIETARY INFORMATION. PROPRIETARY DATA, PRODUCTS AND MUST NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED TO OTHERS IN WHOLE OR IN PART, WITHOUT PROPER AUTHORIZATION. THIS DRAWING MAY NOT BE REPRODUCED FOR PURPOSES OTHER THAN THAT FOR WHICH IT WAS SUPPLIED.

STORMWATER POLLUTION PREVENTION PLAN:

CONTAINED ON THESE PLANS AND WITHIN THE FOLLOWING NOTES IS A STORMWATER POLLUTION PREVENTION PLAN (THE PLAN) WHICH HAS BEEN DEVELOPED BY AECOM IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION AGENCY'S "NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM" (NPDES) GENERAL PERMIT.

THE FOLLOWING ENTITIES ARE IDENTIFIED AS TEAM MEMBERS OF "THE PLAN": AECOM, THE DEVELOPER AS IDENTIFIED IN THE TITLE BOX OF THESE PLANS, AND THE SITE CONTRACTOR AND HIS SUB-CONTRACTORS. EACH TEAM MEMBER HAS SPECIFIC RESPONSIBILITIES AND OBLIGATIONS. IN GENERAL, ALL TEAM MEMBERS, WITH REGARD TO THEIR INVOLVEMENT AND RESPONSIBILITIES ON THE PROJECT, ARE TO IMPLEMENT ALL NECESSARY STORMWATER MANAGEMENT CONTROLS TO ASSURE COMPLIANCE WITH STATE WATER POLICY OF FLORIDA (CHAPTER 17-40, FLORIDA ADMINISTRATIVE CODE), THE APPLICABLE STORMWATER REQUIREMENTS OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, AND THE GUIDELINES CONTAINED IN THE FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT (FDER 1988). MORE SPECIFICALLY, THE DUTIES AND RESPONSIBILITIES OF THE TEAM MEMBERS ARE AS FOLLOWS:

AECOM

- A. DEVELOP A DESIGN FOR STORMWATER POLLUTION PREVENTION INCLUDING, BUT NOT LIMITED TO, RETENTION/DETENTION PONDS, CONTROL STRUCTURES, EROSION CONTROL METHODS AND LOCATIONS AND STABILIZATION CRITERIA. THIS DESIGN IS INCLUDED WITHIN THESE CONSTRUCTION PLANS.
- B. UPON NOTIFICATION BY THE CONTRACTOR, MODIFY THE PLAN AS REQUIRED TO PREVENT STORMWATER POLLUTION RUN-OFF.
- C. SUBMIT AND OBTAIN THE NECESSARY DESIGN RELATED STORMWATER PERMITS FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT AND OTHER APPLICABLE GOVERNMENTAL BODIES.
- D. UPON NOTIFICATION BY THE DEVELOPER OF HIS INTENT TO COMMENCE CONSTRUCTION, SUBMIT A NOTICE OF INTENT PERMIT TO THE ENVIRONMENTAL PROTECTION AGENCY, ALONG WITH A NARRATIVE STATEMENT CERTIFYING THAT THE STORMWATER POLLUTION PREVENTION PLAN PROVIDES COMPLIANCE WITH APPROVED STATE OF FLORIDA ISSUED PERMITS, EROSION AND SEDIMENTATION CONTROL PLANS AND STORMWATER MANAGEMENT PLANS.
- E. SUBMIT TO EPA, ALONG WITH THE ABOVE CERTIFICATION, A COPY OF THE COVER PAGE OF THE STATE OF FLORIDA PERMIT ISSUED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND/OR THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT.
- F. SUBMIT TO EPA A COPY OF THE NOTICE OF INTENT TO THE APPLICABLE OPERATOR OF THE MUNICIPAL SEPARATE STORMWATER SYSTEM.
- G. COMPLETE THE APPROPRIATE FORMS FOR THE DEVELOPER'S SUBMISSION OF THE NOTICE OF TERMINATION TO THE ENVIRONMENTAL PROTECTION AGENCY AND ALL APPLICABLE GOVERNMENTAL ENTITIES UPON COMPLETION OF CONSTRUCTION AND FINAL STABILIZATION.

CONTRACTOR

- A. DURING CONSTRUCTION, ASSURE COMPLIANCE WITH THE DESIGNED STORMWATER POLLUTION PREVENTION PLANS PREPARED BY AECOM.
- B. NOTIFY AECOM AND THE DEVELOPER IN WRITING OF ANY NON-STORMWATER POLLUTION SOURCES WHICH ARE BEING STORED, OR OTHERWISE USED DURING THE CONSTRUCTION OF THE PROJECT, I.E., FERTILIZERS, FUELS, PESTICIDES, OTHER CHEMICALS. THIS NOTIFICATION SHOULD BE ACCOMPANIED WITH THE CONTRACTOR'S DESIGN AND METHODS TO PREVENT POLLUTION RUN-OFF FROM THESE SOURCES.
- C. INSPECT ALL EROSION CONTROL DEVICES (MINIMUM WEEKLY), REPAIR AND/OR REPLACE AS NEEDED.
- D. INSPECT ALL STORMWATER POINTS OF DISCHARGE AND NOTIFY AECOM IN WRITING IF EROSION CONTROL AND STORMWATER MANAGEMENT MEASURES ARE INEFFECTIVE, AND IF REVISION TO THE STORMWATER MANAGEMENT PLAN ARE NEEDED.
- E. INITIATE SITE STABILIZATION MEASURES AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED.
- F. SUBMIT A CERTIFICATION, UTILIZING YOUR COMPANY LETTERHEAD, TO AECOM AND TO THE DEVELOPER AS FOLLOWS:

"I CERTIFY UNDER PENALTY OF LAW, THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORMWATER DISCHARGES ASSOCIATED WITH ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION."

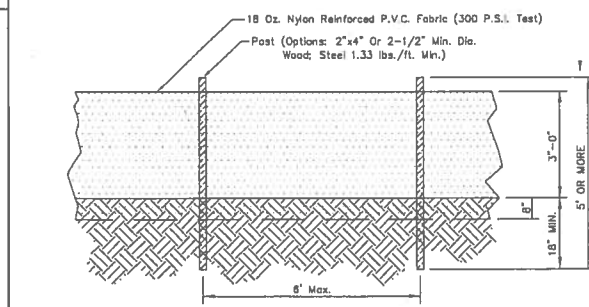
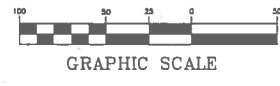
CONTRACTOR:
 ADDRESS: _____
 CITY, STATE, ZIP: _____
 TELEPHONE NUMBER: _____
 DATE: _____
 SIGNATURE: _____
 NAME & TITLE: _____

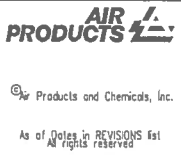
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 M320 MODULE PROJECT

EN-12-0948
CIVIL/STRUCTURAL
BUILD/AS DESIGNED
DOC0000854882
1+48