

100% CONSTRUCTION DOCUMENTS FOR:

CRS WINFIELD

COLUMBIA COUNTY, FLORIDA

SECTION 11, TOWNSHIP 3 SOUTH, RANGE 16 EAST

SUBMITTED TO:
COLUMBIA COUNTY
FLORIDA DEPARTMENT OF TRANSPORTATION

DEVELOPER/APPLICANT

STEVE HUFSTETLER
TERAMORE DEVELOPMENT, LLC
PO BOX 6460
THOMASVILLE, GA 31758
(229) 526-4289

OWNER

TERAMORE DEVELOPMENT, LLC
PO BOX 6460
THOMASVILLE, GA 31758
(229) 526-4289

SURVEYOR OF RECORD

CHAD A. COLSON
CHW
11801 RESEARCH DRIVE
ALACHUA, FL 32615
(352) 331-1976

ENGINEER OF RECORD

DANIEL H. YOUNG, P.E.
NV5
11801 RESEARCH DRIVE
ALACHUA, FL 32615
(352) 331-1976

LANDSCAPE ARCHITECT

BRIAN D. BORTON, R.L.A.
BORTON DESIGN, INC.
1354 N. KYLE WAY
SAINT JOHNS, FLORIDA 32259
(904) 287-1996

TRAFFIC STATEMENT:

PROPOSED LAND USE	ITE LU	AREA	RATE	AADT	AM PEAK	PM PEAK
VARIETY STORE	(814)	10,640 S.F.	63.66	677	32	71

1.) BASED ON ITE 11TH EDITION.

PARKING REQUIREMENT:

REQUIRED: (1 SPACE/150 S.F.) x 8,504 S.F. OF NON-STORAGE FLOOR AREA= 57 SPACES
PROVIDED: 35 SPACES

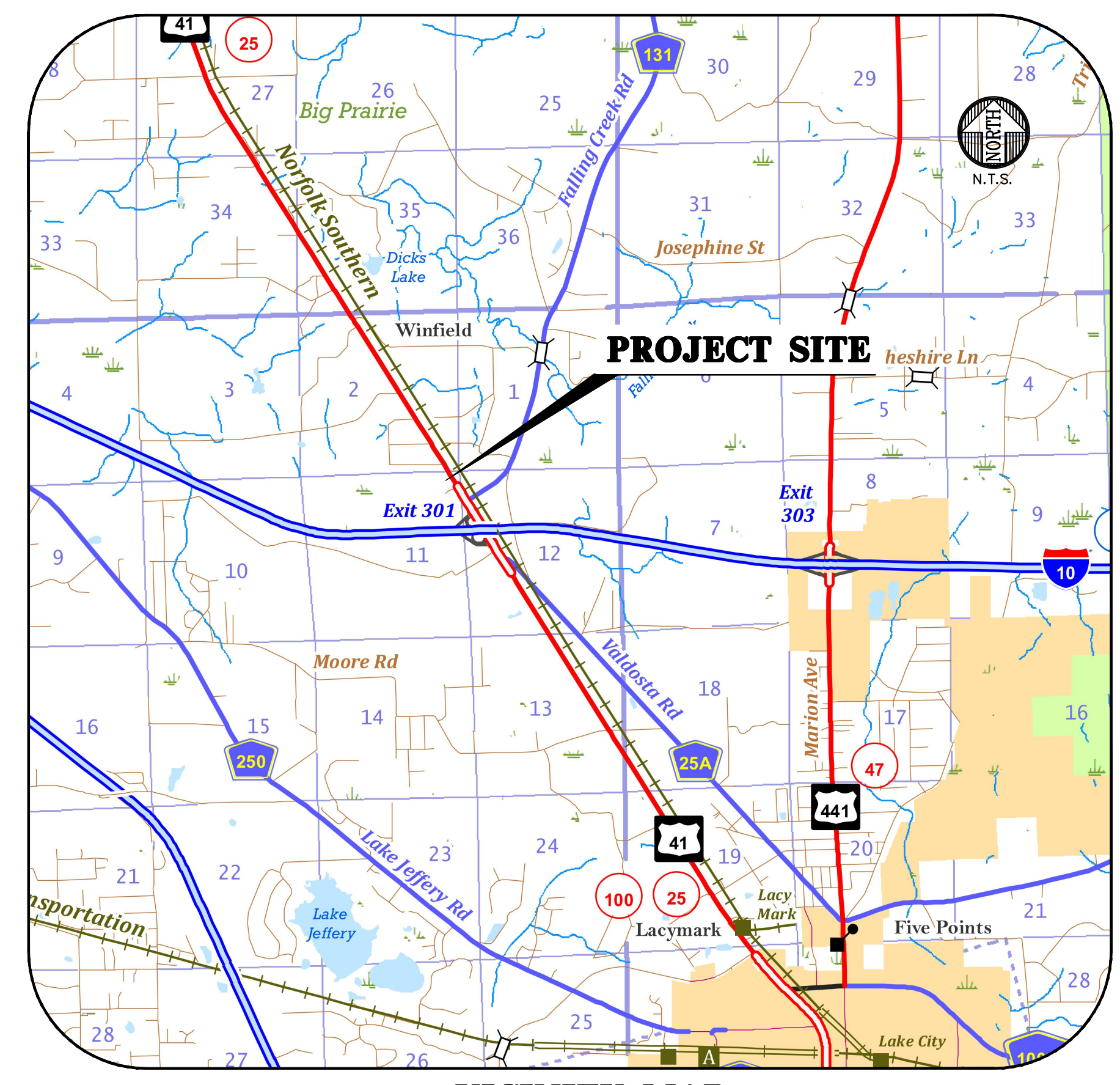
ADA PARKING REQUIREMENT:

REQUIRED: 3 SPACES
PROVIDED: 2 SPACES

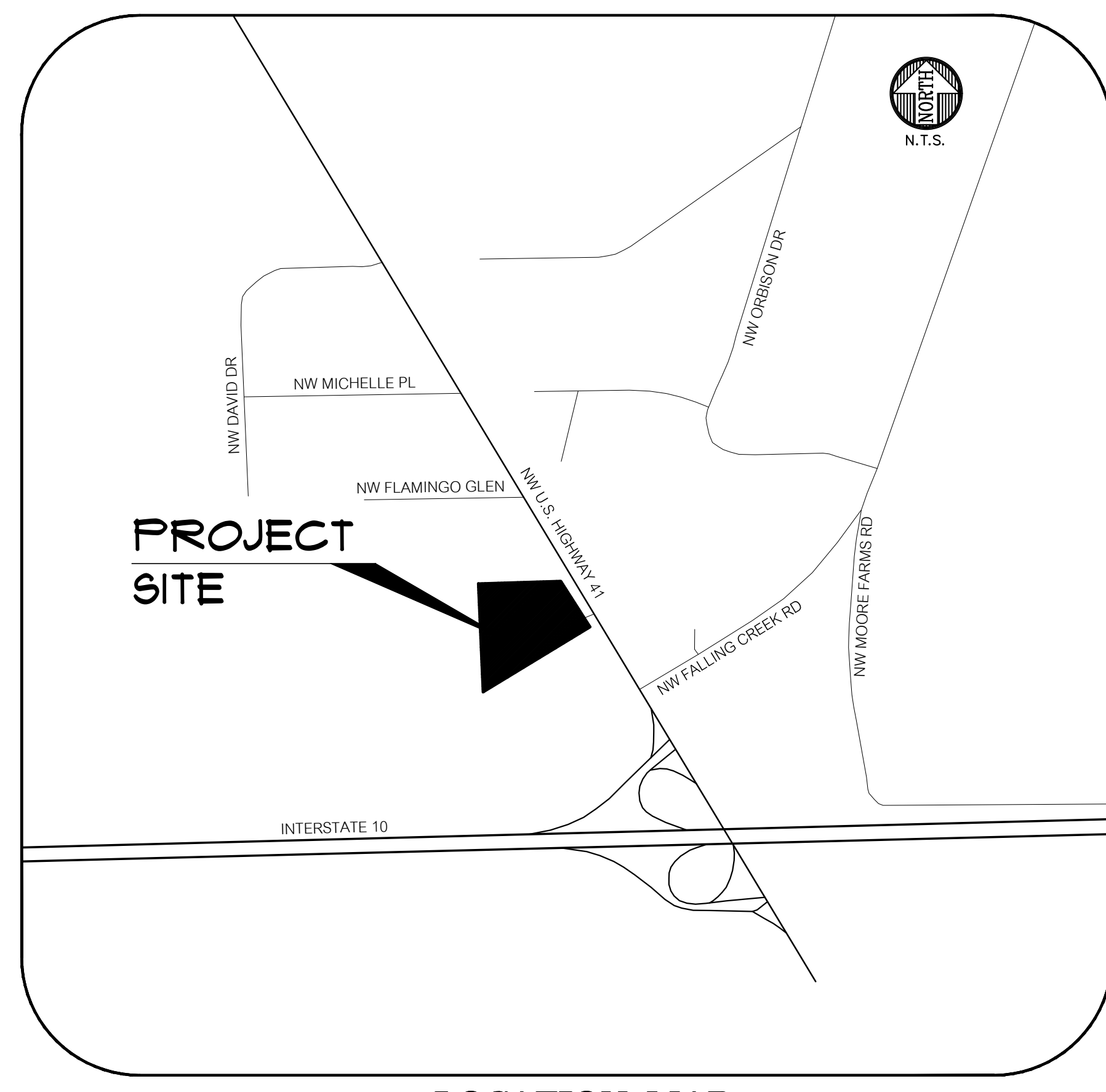
DEVELOPMENT DATA

ZONING: COMMERCIAL HIGHWAY INTERCHANGE (CHI)		
FLU: COMMERCIAL (COM)		
	ON-SITE	
DEVELOPMENT AREA:	60,677 S.F.	1.39 AC
BUILDING AREA:	10,651 S.F.	17.6%
SMF-1:	17,844 S.F.	29.4%
IMPERVIOUS AREA:	27,805 S.F.	45.8%
OPEN SPACE:	4,377 S.F.	7.2%

TAX ID: #11-3S-16-02061-001
TYPE OF CONSTRUCTION: PER FBC 2020, TYPE II B



VICINITY MAP



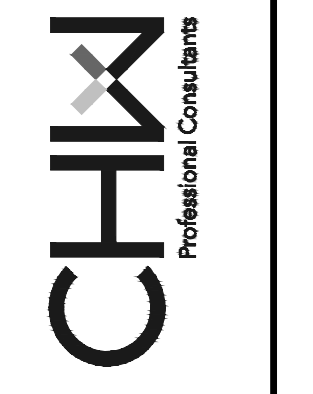
LOCATION MAP

SHEET INDEX	
SHEET NUMBER	DESCRIPTION
C0.00	COVER SHEET AND INDEX
C0.10	GENERAL NOTES
C0.11	LEGEND
1-2 OF 2	SURVEY
C0.20	STORMWATER POLLUTION PREVENTION NOTES
C0.21	STORMWATER POLLUTION PREVENTION PLAN
C0.22	STORMWATER POLLUTION PREVENTION DETAILS
C0.30	DEMOLITION PLAN
C1.10	HORIZONTAL CONTROL AND SITE PLAN
C2.10	GRADING AND DRAINAGE PLAN
C2.20	STORMWATER MANAGEMENT FACILITY PLAN AND DETAILS
C2.30	CONSTRUCTION DETAILS
C3.10	UTILITY PLAN
A1.0 - A2.0	ARCHITECTURAL FLOOR PLAN(S)/ELEVATION(S)
LS-01 - LS-03	LANDSCAPE PLAN(S)
E-1 - E-2	PHOTOMETRIC PLAN(S)

BEFORE YOU DIG!
CALL SUNSHINE STATE ONE CALL OF FLORIDA
AT LEAST TWO FULL BUSINESS DAYS BEFORE
DIGGING OR DISTURBING EARTH

1-800-432-4770
Know what's below.
Call before you dig.

11801 Research Drive
Alachua, Florida 32615
(352) 331-1976
www.chw-inc.com
est. 1988 FLORIDA
CA-5075



N/A
VERIFY SCALE
BASE IS ONE INCH ON
DRAWING REPRESENTS
IF NOT ONE INCH ON
DRAWING, SCALES ACCORDINGLY.

SUBMITTALS
2024-06-14
2024-10-16
COLUMBIA COUNTY & FDOT SUBMITTAL
100% CD SET

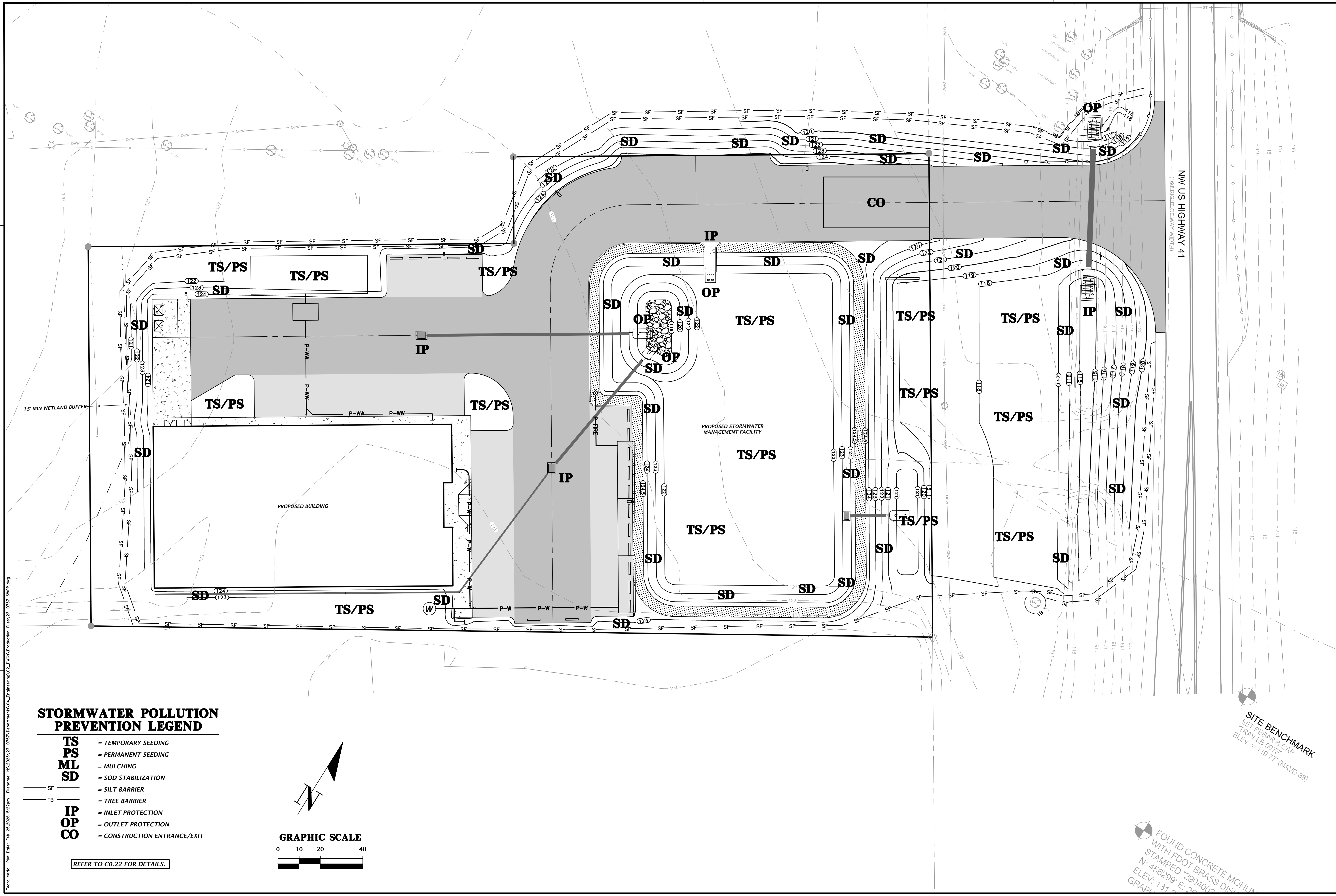
CLIENT
TERAMORE DEVELOPMENT, LLC
PROJECT
CRS WINFIELD
SHEET TITLE
COVER SHEET AND INDEX

TECHNICIAN
G. WADZINSKI
DESIGNER
K. JACKSON, E.I.
QUALITY CONTROL
D. YOUNG, P.E.
PROJECT NUMBER
23-0757

DANIEL H. YOUNG
Daniel H. Young,
State of Florida, Professional
Engineer, License No. 70780
This item has been digitally
signed and sealed by Daniel
H. Young, P.E., on the date
indicated here.
Signatures must be verified on
any electronic copies.

FL PE No. 70780
SHEET NO.
C0.00

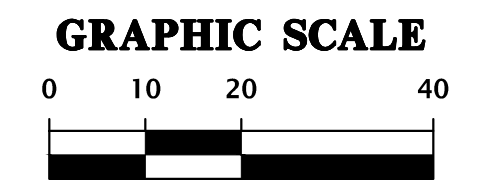
File: 2024-06-14 10:16:14 AM
Title: 2024-06-14 10:16:14 AM
User: dhyoung
Plot Date: Fri 25-06-2024 10:16:14 AM
Plot Time: 10:16:14 AM
Plot Scale: 1:1
Plot Orientation: Landscape
Plot Size: 11.00 x 17.00
Plot Units: Feet
Plot Color: Black
Plot Font: Arial, 10pt
Plot Line: 0.25
Plot Fill: 0.25
Plot Stroke: 0.25
Plot Weight: 0.25
Plot Style: Standard
Plot Color: Black
Plot Font: Arial, 10pt
Plot Line: 0.25
Plot Fill: 0.25
Plot Stroke: 0.25
Plot Weight: 0.25
Plot Style: Standard



STORMWATER POLLUTION PREVENTION LEGEND

- TS** = TEMPORARY SEEDING
- PS** = PERMANENT SEEDING
- ML** = MULCHING
- SD** = SOD STABILIZATION
- SF** = SILT BARRIER
- TB** = TREE BARRIER
- IP** = INLET PROTECTION
- OP** = OUTLET PROTECTION
- CO** = CONSTRUCTION ENTRANCE/EXIT

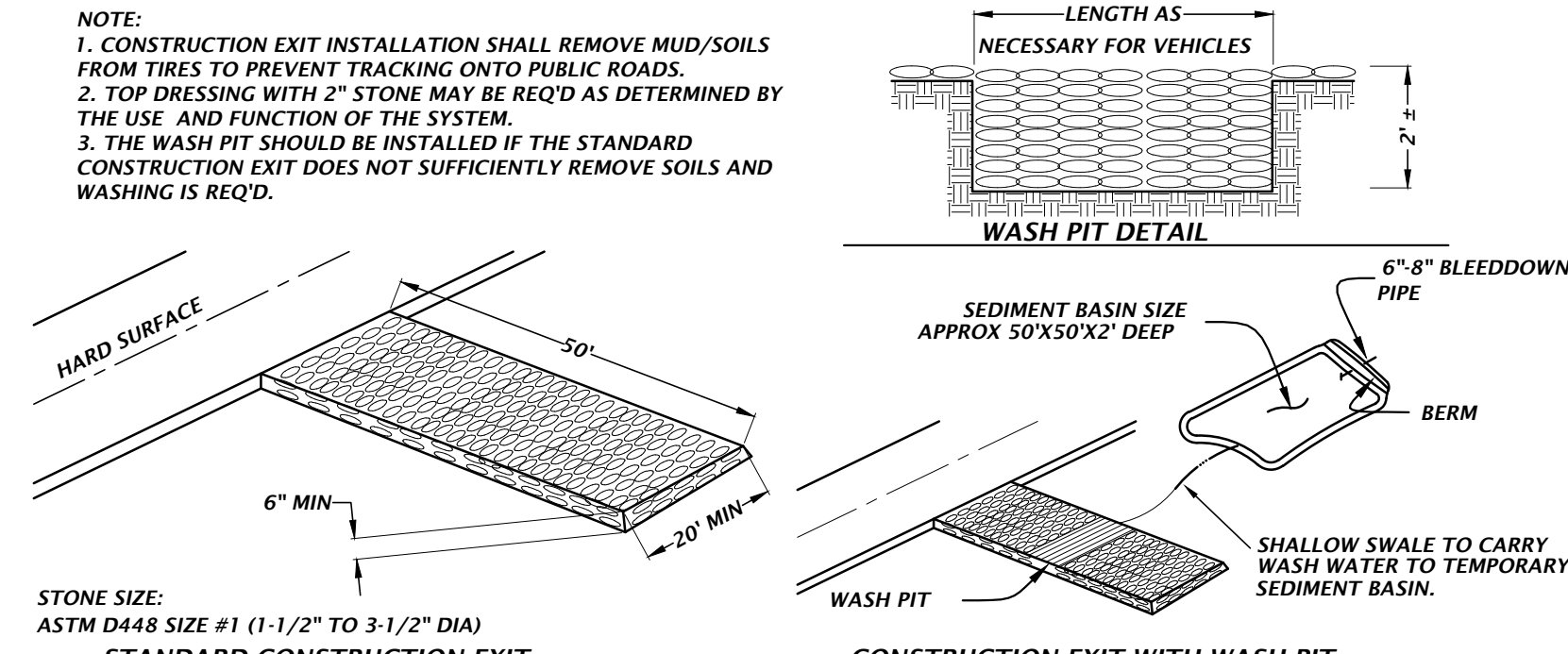
REFER TO C0.22 FOR DETAILS.



Professional Consultants est. 1988 FLORIDA CA-5075	
SCALE: 1" = 20' VERIFY SCALE BAR IS ONE INCH ON 0 INCHES LONG IF NOT ONE INCH ON SCALES ACCORDINGLY	SUBMITTALS: 2024-06-14 2024-10-16 COLUMBIA COUNTY & FDOT SUBMITTAL 100% CD SET
CLIENT: TERAMORE DEVELOPMENT, LLC PROJECT: CRS WINFIELD SHEET TITLE: STORMWATER POLLUTION PREVENTION PLAN PROJECT NUMBER: 23-0757	
DESIGNER: G. WADZINSKI QUALITY CONTROL: K. JACKSON, E.I. PROJECT NUMBER: D. YOUNG, P.E.	
Daniel H. Young, State of Florida, Professional Engineer, License No. 70780 This item has been digitally signed and sealed by Daniel H. Young, P.E., on the date indicated here. Signatures must be verified on any electronic copies.	
FOUND CONCRETE MONUMENT WITH FDOT BRASS DISK N: 456299' E: 265000' ELEV.: 131.2' GRAPHIC SCALE	
FL PE No. 70780 SHEET NO. C0.21	

Title: c021 Plot Date: Fri 25-2024 5:22pm Filename: N:\2023\23-0757\Drawings\CA_Engineering\02_DWG_Production\Plan\23-0757_SWPP.dwg

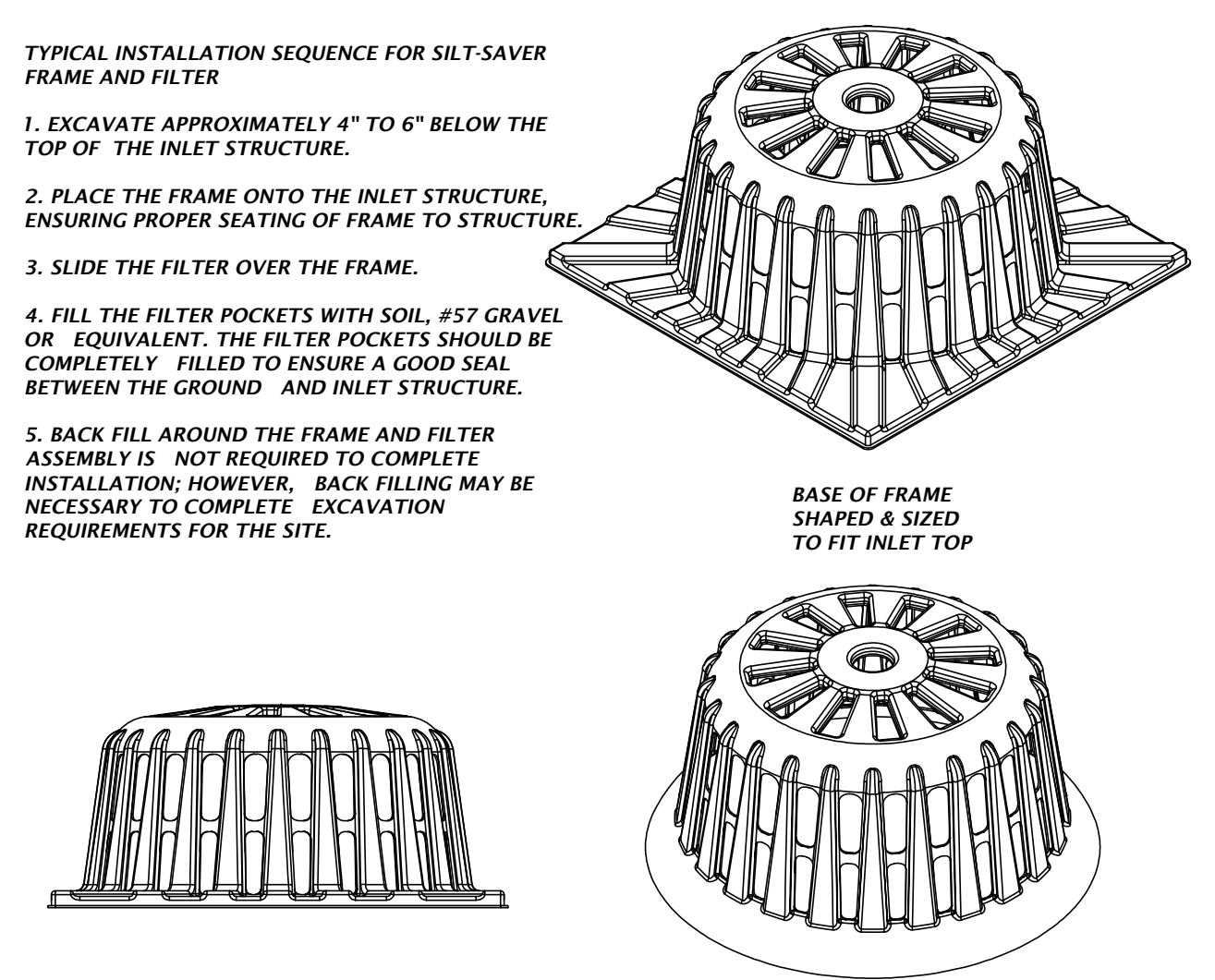
NOTE:
 1. CONSTRUCTION EXIT INSTALLATION SHALL REMOVE MUD/SOILS FROM TIRES TO PREVENT TRACKING ONTO PUBLIC ROADS.
 2. TOP DRESSING WITH 2" STONE MAY BE REQ'D AS DETERMINED BY THE USE AND FUNCTION OF THE SYSTEM.
 3. THE WASH PIT SHOULD BE INSTALLED IF THE STANDARD CONSTRUCTION EXIT DOES NOT SUFFICIENTLY REMOVE SOILS AND WASHING IS REQ'D.



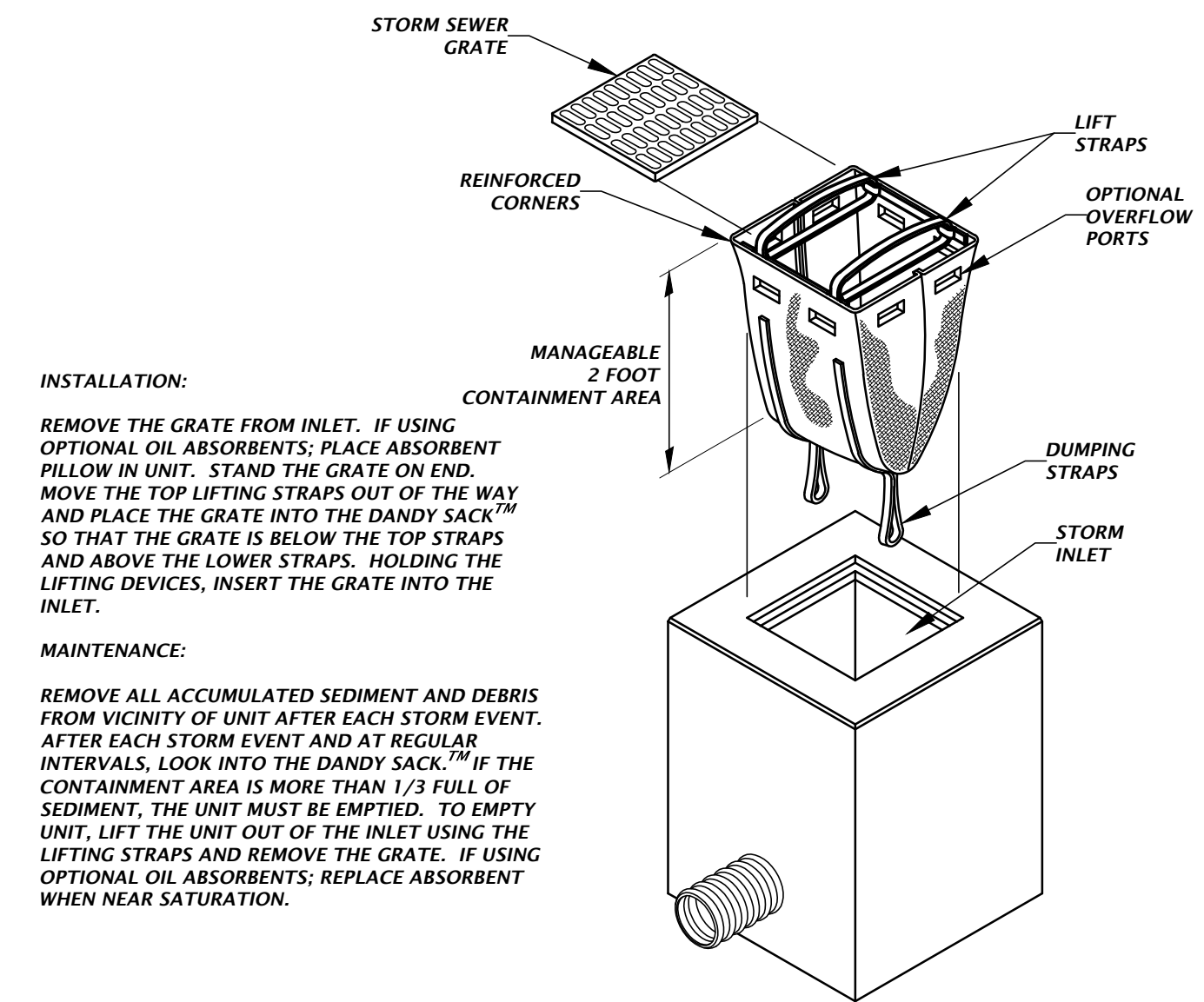
TEMPORARY CONSTRUCTION EXIT DETAIL
 NTS

TYPICAL INSTALLATION SEQUENCE FOR SILT-SAVER FRAME AND FILTER

- EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE.
- PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.
- SLIDE THE FILTER OVER THE FRAME.
- FILL THE FILTER POCKETS WITH SOIL, #57 GRAVEL OR EQUIVALENT. THE FILTER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.
- BACK FILL AROUND THE FRAME AND FILTER ASSEMBLY IS NOT REQUIRED TO COMPLETE INSTALLATION; HOWEVER, BACK FILLING MAY BE NECESSARY TO COMPLETE EXCAVATION REQUIREMENTS FOR THE SITE.

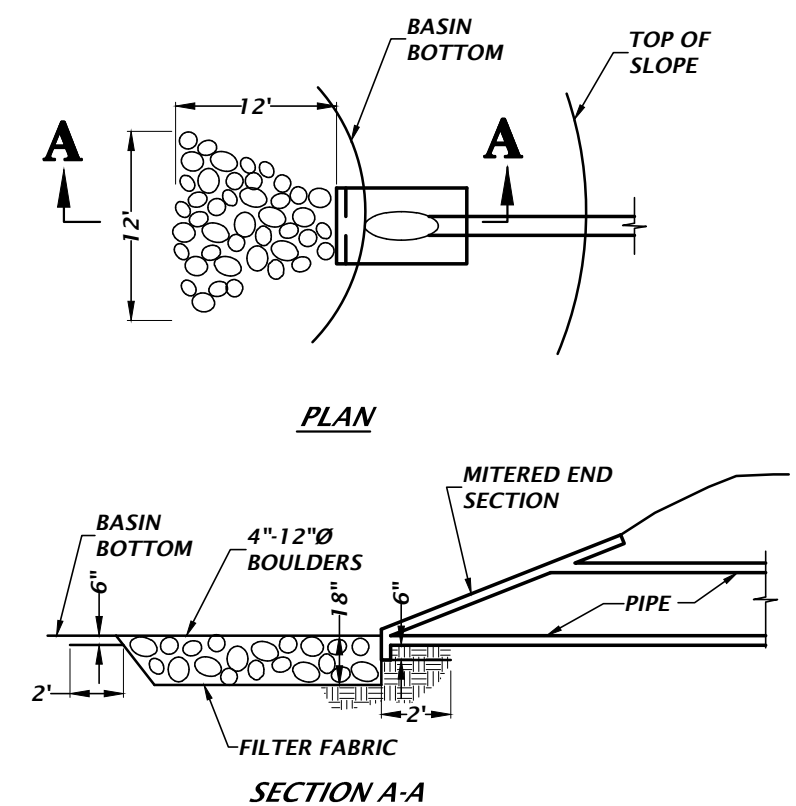


SILT-SAVER® DETAIL
 NTS



DANDY SACK™ DETAIL
 NTS

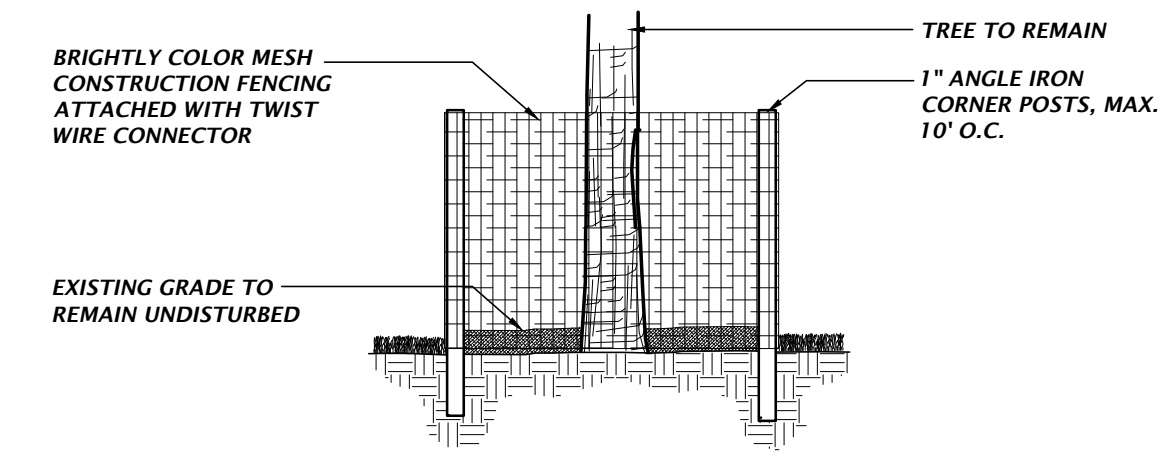
INLET PROTECTION OPTIONS DETAIL
 NTS



NOTES:

- ANCHOR FILTER FABRIC BY EXTENDING BEYOND RIPRAP AND BACKFILLING AS SHOWN ON DETAIL.
- RIPRAP SHALL NOT EXTEND ONTO SIDE SLOPES.
- ADJUST SHAPE OF APRON WHERE REQUIRED TO MATCH TOE OF SLOPE.
- BROKEN SLOPE IS NOT ACCEPTABLE.

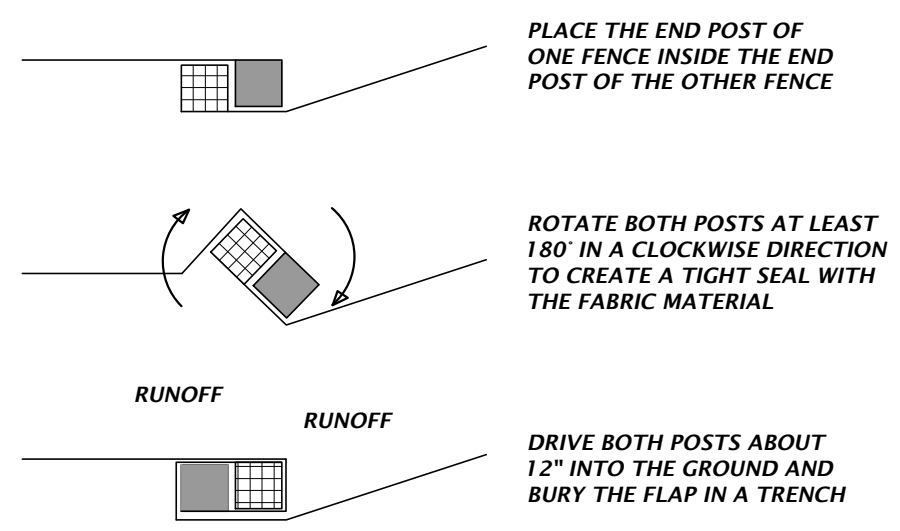
RIP-RAP EROSION PROTECTION
 NTS



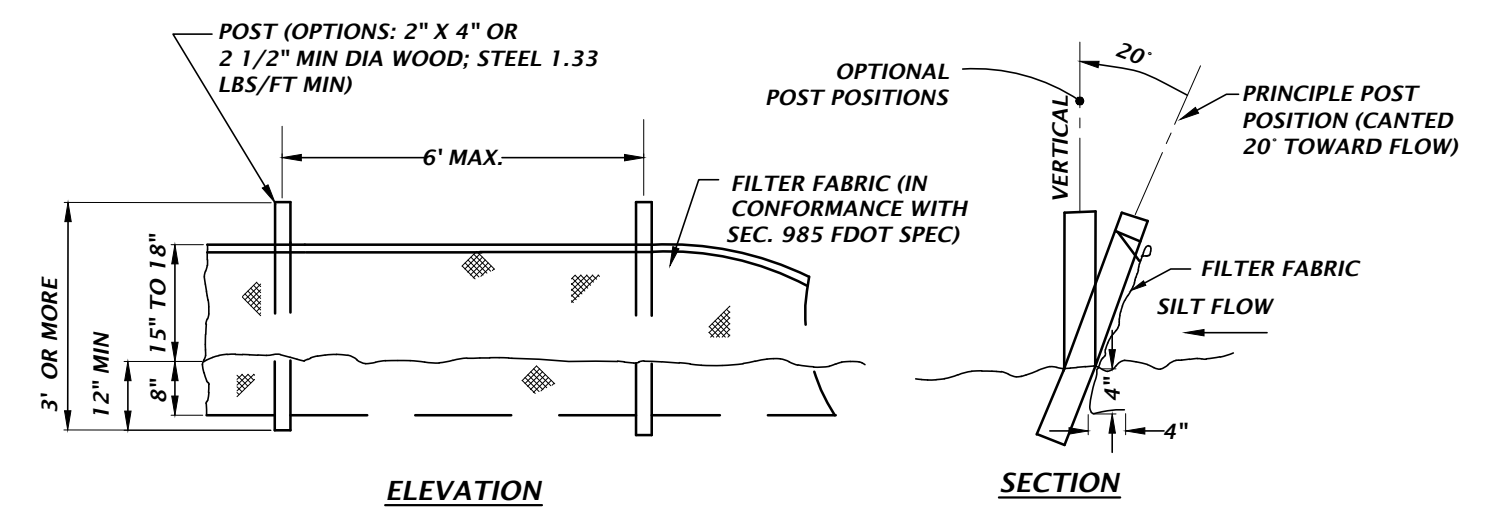
TREE PROTECTION DETAIL
 NTS

TREE PROTECTION NOTES

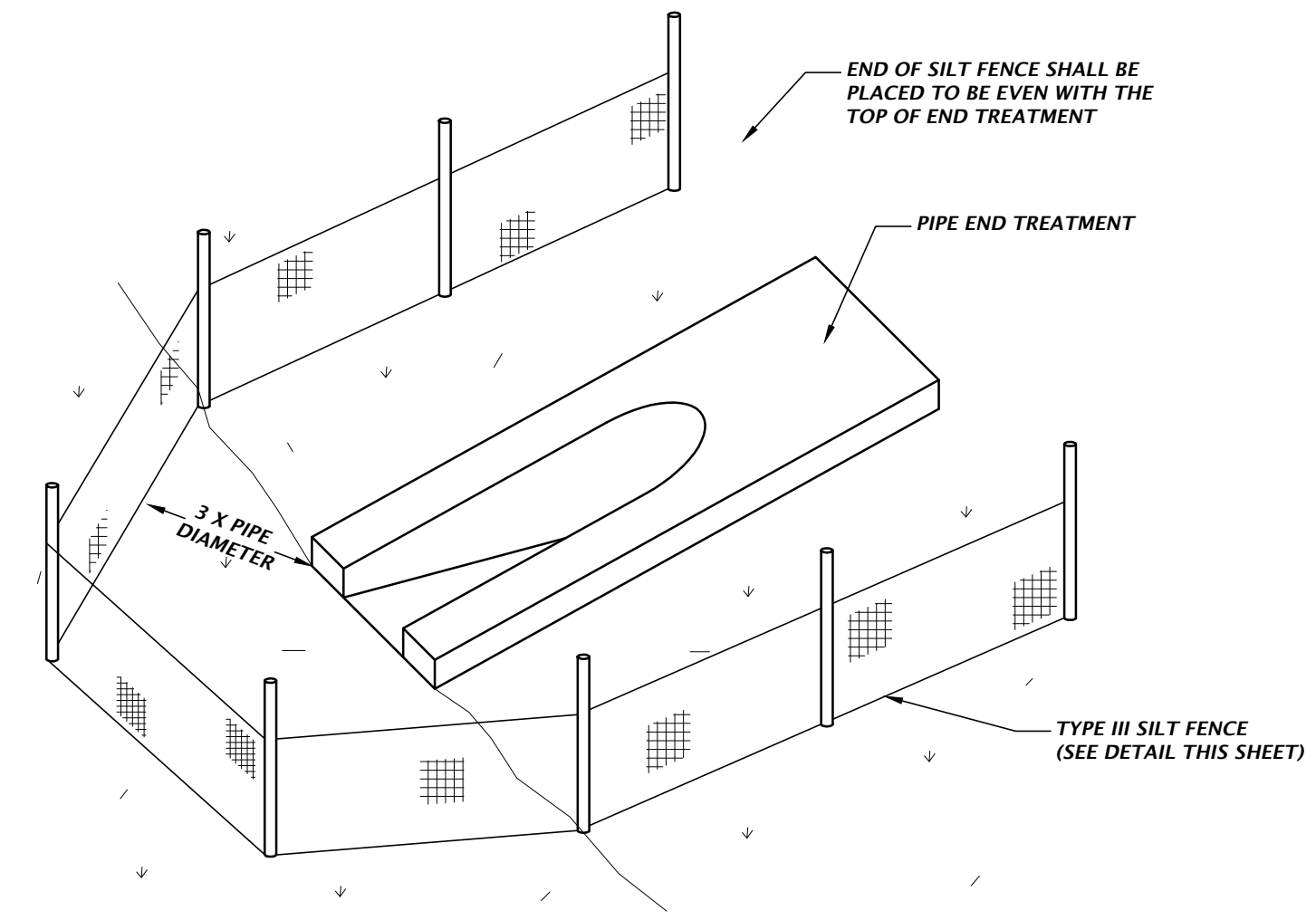
- PROTECTIVE BARRIERS SHALL BE CONSTRUCTED, AS NECESSARY, TO PREVENT THE DESTRUCTION OR DAMAGING OF REGULATED TREES THAT ARE LOCATED WITHIN 50 FEET OF ANY CONSTRUCTION ACTIVITY OR STORAGE OF EQUIPMENT AND MATERIALS.
- PROTECTIVE BARRIERS SHALL BE PLAINLY VISIBLE AND SHALL CREATE A CONTINUOUS BOUNDARY AROUND TREES OR VEGETATION CLUSTERS IN ORDER TO PREVENT ENCROACHMENT BY MACHINERY, VEHICLES OR STORED MATERIALS.
- NO TRENCHING ALLOWED WITHIN THE PROTECTIVE BARRIER ZONE. HAND DIG TO INSTALL UTILITY IF APPROVED BY CITY MANAGER OR DESIGNEE. WHERE ROOTS GREATER THAN ONE INCH IN DIAMETER ARE DAMAGED OR EXPOSED, THEY SHALL BE CUT CLEANLY AND RECOVERED WITH SOIL WITHIN ONE HOUR OF DAMAGE OR EXPOSURE.
- PROTECTIVE BARRIERS SHALL REMAIN IN PLACE AND INTACT UNTIL SUCH TIME AS LANDSCAPE OPERATIONS BEGIN.
- LANDSCAPE PREPARATION IN THE PROTECTED AREA SHALL BE LIMITED TO SHALLOW DISCING OF THE AREA. DISCING SHALL BE LIMITED TO A DEPTH OF 4 INCHES.
- NO BUILDING MATERIALS, MACHINERY OR HARMFUL CHEMICALS SHALL BE PLACED WITHIN PROTECTIVE BARRIERS.
- THE AMERICAN NATIONAL STANDARDS INSTITUTE A-300 PART V: MANAGEMENT OF TREES AND SHRUBS DURING SITE PLANNING, SITE DEVELOPMENT, AND SITE CONSTRUCTION OR OTHER NATIONALLY RECOGNIZED ARBORICULTURAL STANDARDS SHALL BE USED AS GUIDELINES FOR TREE PROTECTION, PLANTING, PRUNING AND CARE DURING DEVELOPMENT AND CONSTRUCTION.



TYPE III SILT FENCE WRAPPING DETAIL
 NTS



TYPE III SILT FENCE DETAIL
 NTS



OUTFALL PROTECTION DETAIL
 NTS

11801 Research Drive
 Alachua, Florida 32615
 (352) 351-1976
 www.chw-inc.com
 est. 1988 FLORIDA
 CA-5075

CHW
 Professional Consultants

SCALE: N/A
 VERIFY SCALE
 BAR IS ONE INCH ON
 0 EQUALS 10 FEET
 IF NOT ONE INCH ON
 SCALES ACCORDINGLY.

CONSTRUCTION DIVISIONS

CLIENT: COLUMBIA COUNTY & FOOT SUBMITTAL
 100% CD SET

DATE: 2024-06-14
 2024-10-16

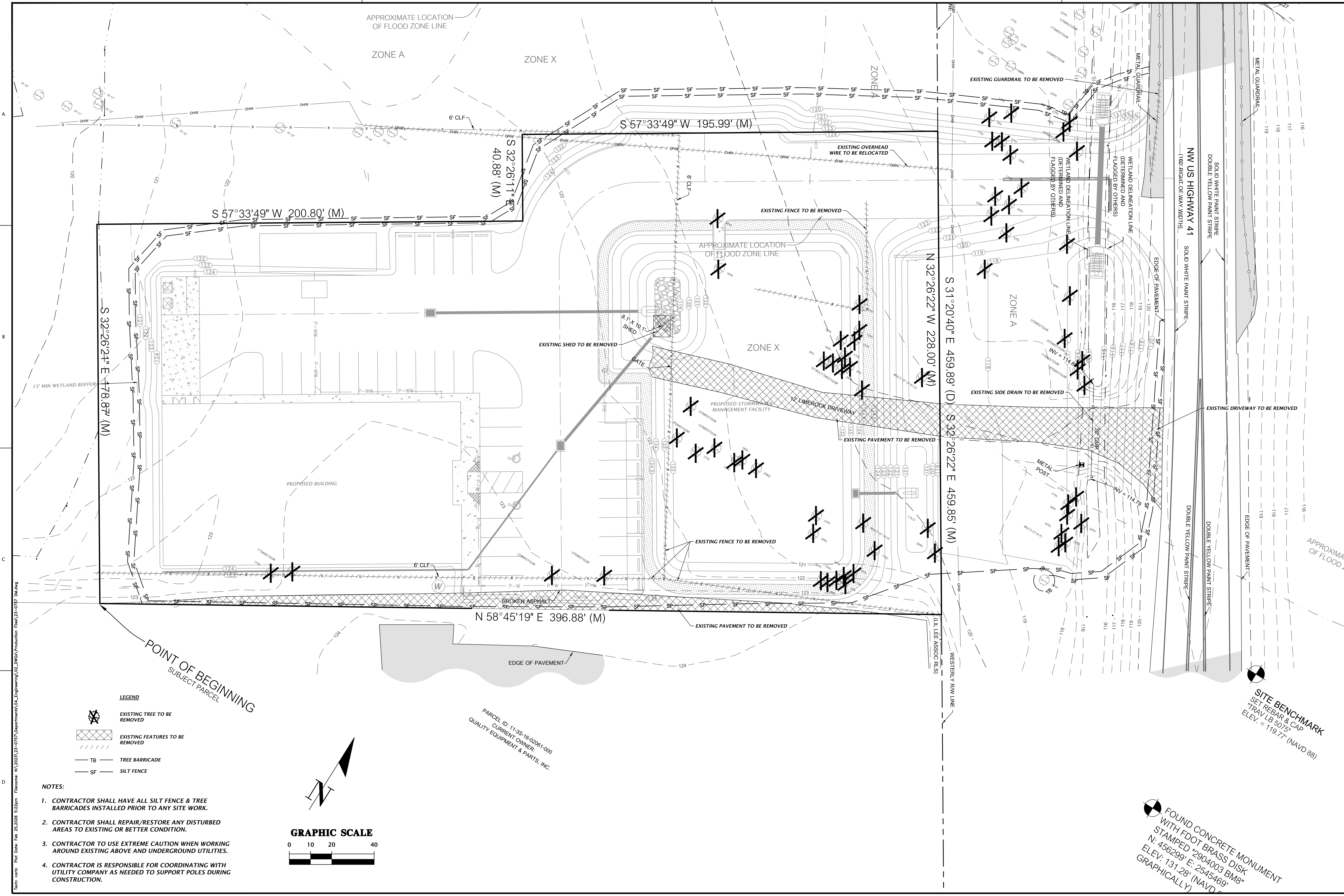
CLIENT: TERAMORE DEVELOPMENT, LLC
 PROJECT: CRS WINFIELD
 SHEET TITLE: STORMWATER POLLUTION PREVENTION DETAILS
 PROJECT NUMBER: 23-0757

TECHNICIAN: DANIEL H. YOUNG
 DESIGNER: G. WADZINSKI
 QUALITY CONTROL: K. JACKSON, E.I.
 PROJECT NUMBER: 23-0757

Daniel H. Young,
 State of Florida, Professional
 Engineer, License No. 70780
 This item has been digitally
 signed and sealed by Daniel
 H. Young, P.E., on the date
 indicated here.
 Signatures must be verified on
 any electronic copies.

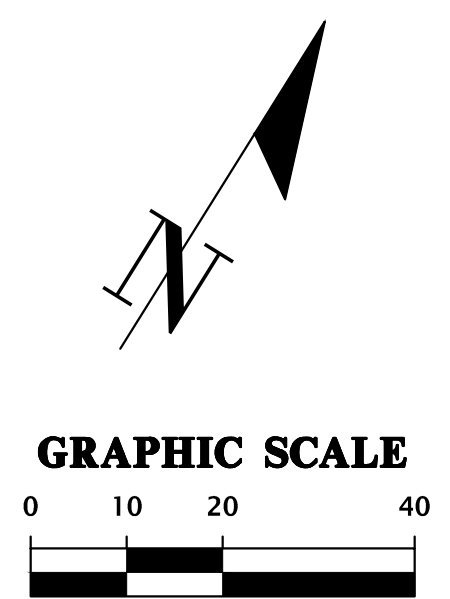
FL PE No. 70780
 SHEET NO. C0.22

Title: c:\p1\proj\23-0757\Drawings\CA_Engineering\02_DWG\Production\Flwa_23-0757_01.dwg
 Plot Date: Fri 25/06/2024 12:22pm
 Filename: N:\2023\23-0757\Drawings\CA_Engineering\02_DWG\Production\Flwa_23-0757_01.dwg



- LEGEND**
- EXISTING TREE TO BE REMOVED
 - EXISTING FEATURES TO BE REMOVED
 - TB TREE BARRICADE
 - SF SILT FENCE

- NOTES:**
1. CONTRACTOR SHALL HAVE ALL SILT FENCE & TREE BARRICADES INSTALLED PRIOR TO ANY SITE WORK.
 2. CONTRACTOR SHALL REPAIR/RESTORE ANY DISTURBED AREAS TO EXISTING OR BETTER CONDITION.
 3. CONTRACTOR TO USE EXTREME CAUTION WHEN WORKING AROUND EXISTING ABOVE AND UNDERGROUND UTILITIES.
 4. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH UTILITY COMPANY AS NEEDED TO SUPPORT POLES DURING CONSTRUCTION.

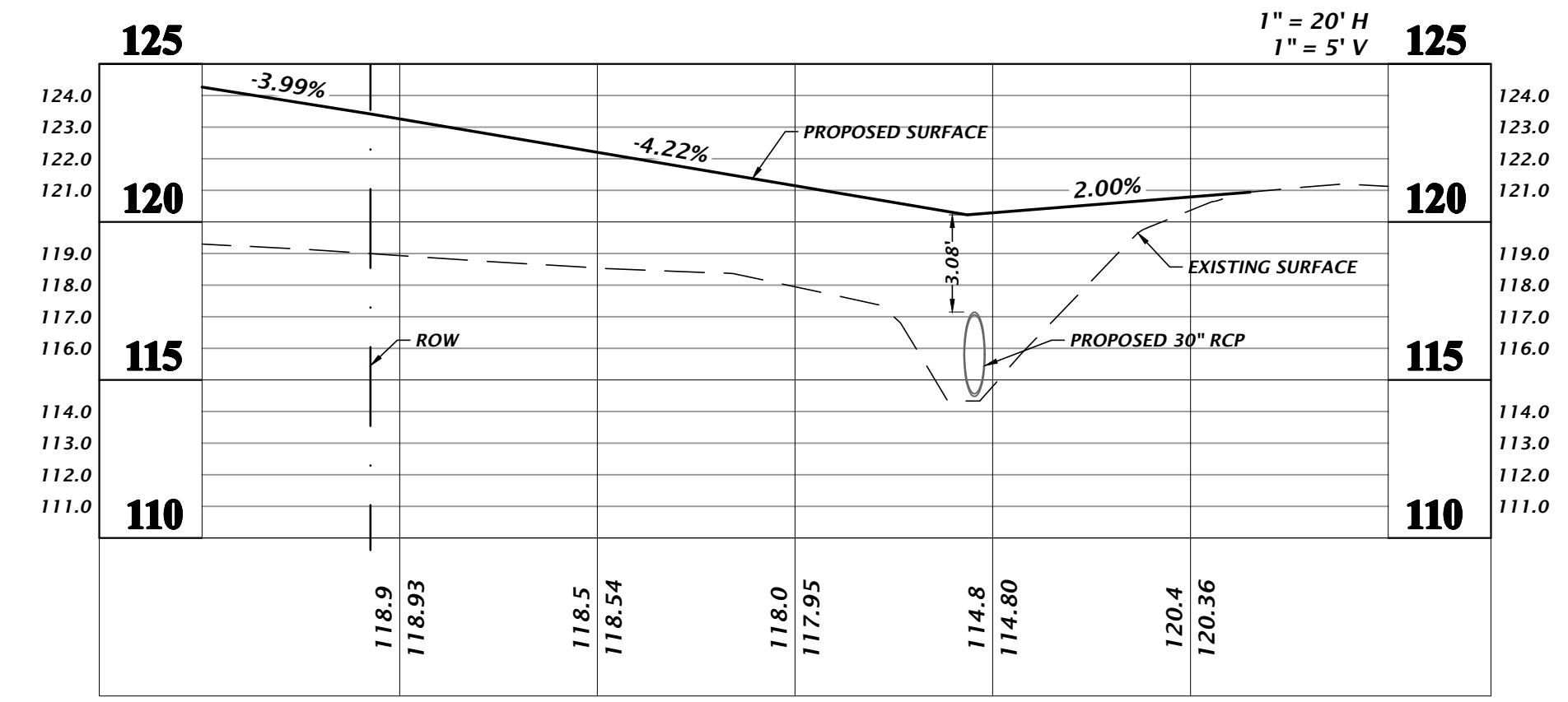
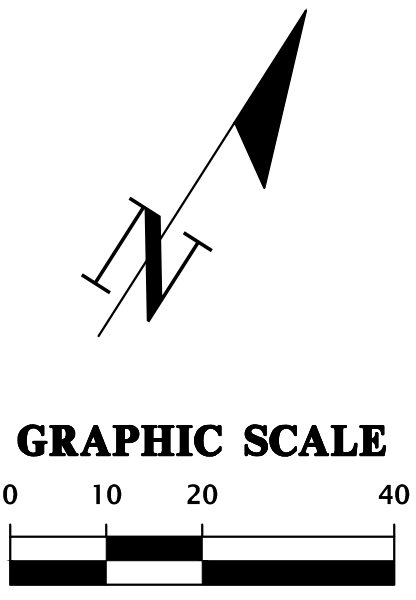


PARCEL ID: 11-35-16-02061-000
 CURRENT OWNER:
 QUALITY EQUIPMENT & PARTS, INC.

SITE BENCHMARK
 SET REBAR & CAP
 TRAV. LB 5075'
 ELEV. = 119.77' (NAVD 88)

FOUND CONCRETE MONUMENT
 WITH FDOT BRASS DISK
 STAMPED 2904003 BM8"
 N: 456299' E: 2545469'
 ELEV. 131.28' (NAVD 88)
 GRAPHICALLY

Professional Consultants 11801 Research Drive Alachua, Florida 32615 (352) 351-1976 www.chwa-inc.com est. 1988 FLORIDA CA-5075	
SCALE: 1" = 20' VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON SCALES ACCORDINGLY	SUBMITTALS: 2024-06-14 2024-10-16 COLUMBIA COUNTY ATTY & FDOT SUBMITTAL 100% CD SET
CLIENT: TERAMORE DEVELOPMENT, LLC PROJECT: COLUMBIA COUNTY ATTY & FDOT SUBMITTAL SHEET TITLE: DEMOLITION PLAN SHEET NUMBER: 23-0757	DESIGNER: K. JACKSON, E.I. QUALITY CONTROL: D. YOUNG, P.E. PROJECT NUMBER: 23-0757 Daniel H. Young, State of Florida, Professional Engineer, License No. 70780 This item has been digitally signed and sealed by Daniel H. Young, P.E., on the date indicated here. Signatures must be verified on any electronic copies.
FL PE No. 70780 C0.30	

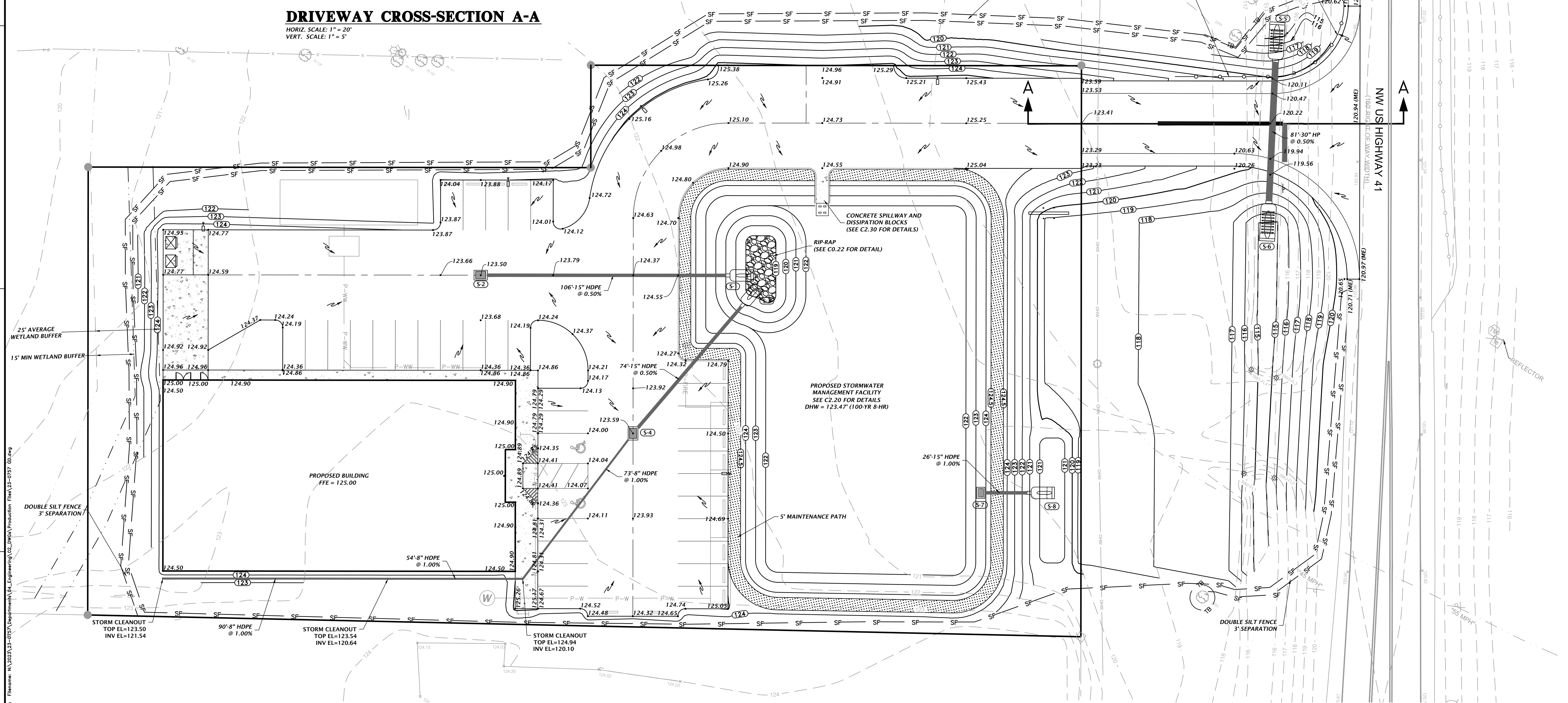


DRIVEWAY CROSS-SECTION A-A
 HORIZ. SCALE: 1" = 20'
 VERT. SCALE: 1" = 5'

STORMWATER STRUCTURE TABLE					
STRUCTURE	STRUCTURE TYPE	TOP	INVERT ELEV.	PIPE DIA.	NORTHING & EASTING
S-1	SIDE DRAIN MES PER FDOT INDEX 430-022	N/A	119.00 SW	15"	N: 458896.83 E: 2543649.39
S-2	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	123.50	119.53 NE	15"	N: 458840.01 E: 2543559.99
S-3	SIDE DRAIN MES PER FDOT INDEX 430-022	N/A	119.00 S	15"	N: 458893.13 E: 2543655.68
S-4	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	123.59	119.37 S 119.37 N	8"	N: 458819.42 E: 2543645.27
S-5	SIDE DRAIN MES PER FDOT INDEX 430-022	N/A	114.38 SE	30"	N: 459093.62 E: 2543775.66
S-6	SIDE DRAIN MES PER FDOT INDEX 430-022	N/A	114.78 NW	30"	N: 459022.94 E: 2543816.13
S-7	TYPE C INLET PER FDOT INDEX 425-052 AND 425-010	123.50	120.76 NE	15"	N: 458874.06 E: 2543775.16
S-8	SIDE DRAIN MES PER FDOT INDEX 430-022	N/A	120.50 SW	15"	N: 458888.25 E: 2543797.50

FLOODPLAIN COMPENSATING STORAGE CALCULATION (EL. 120')		
EXISTING VOLUME BELOW EL. 120'	=	1,378 CY
PROPOSED VOLUME BELOW EL. 120'	=	1,418 CY

NOTE: NO VOLUME FROM SMF-1 CONSIDERED IN FLOODPLAIN COMPENSATING STORAGE CALCULATION



Title: cert; Plot Date: Fri 25/02/2024 12:22pm; Filename: \\N:\2024\23-0757\Department\A_Engineering\23_0757\Production\Plan\23-0757_C0.dwg; Plotter: HP DesignJet 5000PS; Plot Device: HP DesignJet 5000PS; Plot Date: Fri 25/02/2024 12:22pm; Filename: \\N:\2024\23-0757\Department\A_Engineering\23_0757\Production\Plan\23-0757_C0.dwg

11801 Research Drive
 Alachua, Florida 32615
 (352) 351-1976
 www.ch2m-hill.com
 est. 1988 **FLORIDA**
 CA-5075

CH2M

Professional Consultants

SCALE: 1" = 20'
 VERIFY SCALE
 BAR IS ONE INCH ON
 0 ORIGINAL DRAWING
 IF NOT ONE INCH ON
 SCALES ACCORDINGLY

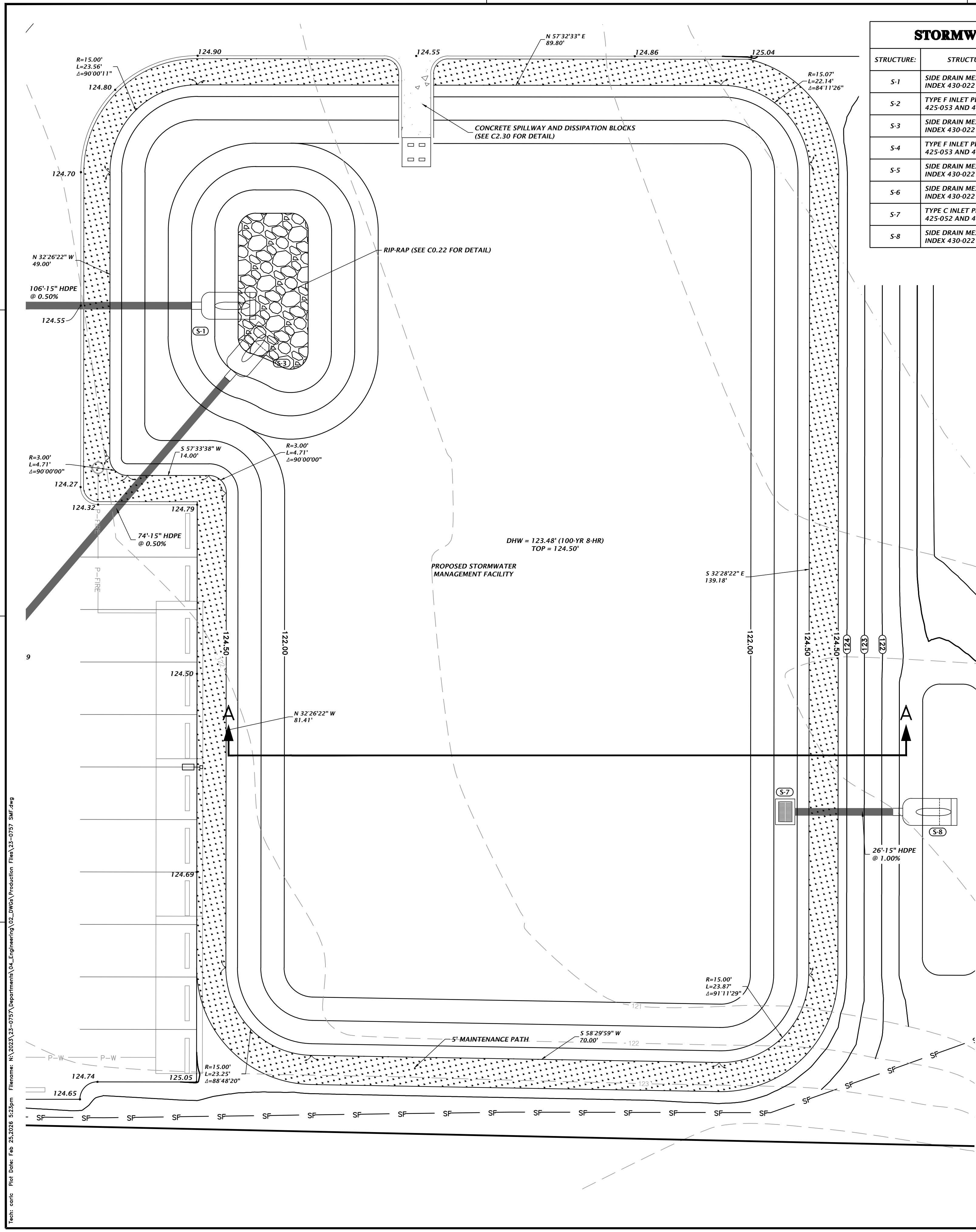
SUBMITTALS: 2024-06-14
 2024-10-16
 COLUMBIA COUNTY & FDOT SUBMITTAL
 100% CD SET

CLIENT: TERAMORE DEVELOPMENT, LLC
 PROJECT: CR5 WINFIELD
 SHEET TITLE: GRADING AND DRAINAGE PLAN
 PROJECT NUMBER: 23-0757

DESIGNER: G. WADZANSKI
 CHECKER: K. JACKSON, E.I.
 QUALITY CONTROL: D. YOUNG, P.E.
 PROJECT NUMBER: 23-0757
 SHEET NUMBER: 23-0757

Daniel H. Young,
 State of Florida, Professional
 Engineer, License No. 70780
 This item has been digitally
 signed and sealed by Daniel
 H. Young, P.E., on the date
 indicated here.
 Signatures must be verified on
 any electronic copies.

FL PE No. 70780
C2.10



STRUCTURE	STRUCTURE TYPE	TOP	INVERT ELEV.	PIPE DIA.	NORTHING & EASTING
S-1	SIDE DRAIN MES PER FDOT INDEX 430-022	N/A	119.00 SW	15"	N: 458896.83 E: 2543649.29
S-2	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	123.50	119.53 NE	15"	N: 458840.01 E: 2543559.99
S-3	SIDE DRAIN MES PER FDOT INDEX 430-022	N/A	119.00 S	15"	N: 458893.13 E: 2543655.68
S-4	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	123.59	119.37 S 119.37 N	8" 15"	N: 458819.42 E: 2543645.27
S-5	SIDE DRAIN MES PER FDOT INDEX 430-022	N/A	114.38 SE	30"	N: 459093.62 E: 2543775.66
S-6	SIDE DRAIN MES PER FDOT INDEX 430-022	N/A	114.78 NW	30"	N: 459022.94 E: 2543816.13
S-7	TYPE C INLET PER FDOT INDEX 425-052 AND 425-010	123.50	120.76 NE	15"	N: 458874.06 E: 2543775.16
S-8	SIDE DRAIN MES PER FDOT INDEX 430-022	N/A	120.50 SW	15"	N: 458888.25 E: 2543797.50

BASIN OPERATION AND MAINTENANCE REQUIREMENTS

SURFACEWATER MANAGEMENT FACILITIES (SMF'S)

ALL SMF'S PERMITTED BY THE DISTRICT SHALL BE OPERATED AND MAINTAINED IN ACCORDANCE WITH THE DESIGNS, PLANS, CALCULATIONS, AND OTHER SPECIFICATIONS THAT ARE SUBMITTED WITH AN APPLICATION, APPROVED BY THE DISTRICT, AND INCORPORATED INTO ANY PERMIT ISSUED. SMF'S SHALL BE KEPT FREE OF DEBRIS, TRASH, GARBAGE, OILS AND GREASES, AND OTHER REFUSE THROUGH REGULAR INSPECTION AND MAINTENANCE BY THE PERMITTEE.

EROSION CONTROL

THE SYSTEM SHALL BE REGULARLY INSPECTED AND MAINTAINED BY THE PERMITTEE TO INSURE THAT ALL EROSION IS CONTROLLED AND SOIL IS STABILIZED TO PREVENT SEDIMENT DISCHARGE TO WATERS IN THE STATE. ANY VEGETATION ESTABLISHED FOR EROSION CONTROL SHALL BE PROPERLY MAINTAINED FOR FUNCTION.

CULVERTS, PIPES AND STRUCTURES

ALL STRUCTURES WITHIN THE SYSTEM SHALL BE REGULARLY INSPECTED AND MAINTAINED ON A REGULAR BASIS BY THE PERMITTEE TO INSURE THAT THEY DO NOT BECOME CLOGGED OR CHOKED WITH VEGETATIVE OR AQUATIC GROWTH TO SUCH AN EXTENT AS TO RENDER THEM INOPERABLE.

MAINTENANCE

THE BASIN SHALL BE REGULARLY MOWED TO AVOID EXCESSIVE VEGETATION GROWTH. THE MOWING RATE SHALL BE AT A MINIMUM OF 12 TIMES PER YEAR, WITH MORE FREQUENT MOWING IN THE SUMMER MONTHS. BASIN SIDE SLOPES SHALL INITIALLY BE SODDED AND THE SOD MAINTAINED.

FUNCTION

BASINS THAT DO NOT DRAWDOWN PROPERLY AND MAINTAIN STANDING WATER FOR AN EXTENDED PERIOD OF TIME MAY REQUIRE REMEDIAL ACTION. THE ENGINEER SHALL BE NOTIFIED TO HELP COORDINATE REMEDIAL ACTION IN THE EVENT IMPROPER RECOVERY IS NOTED.

LIMEROCK/SINKHOLE

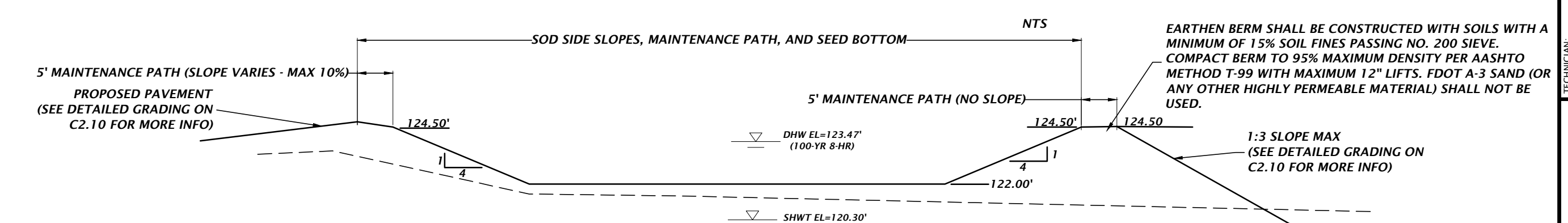
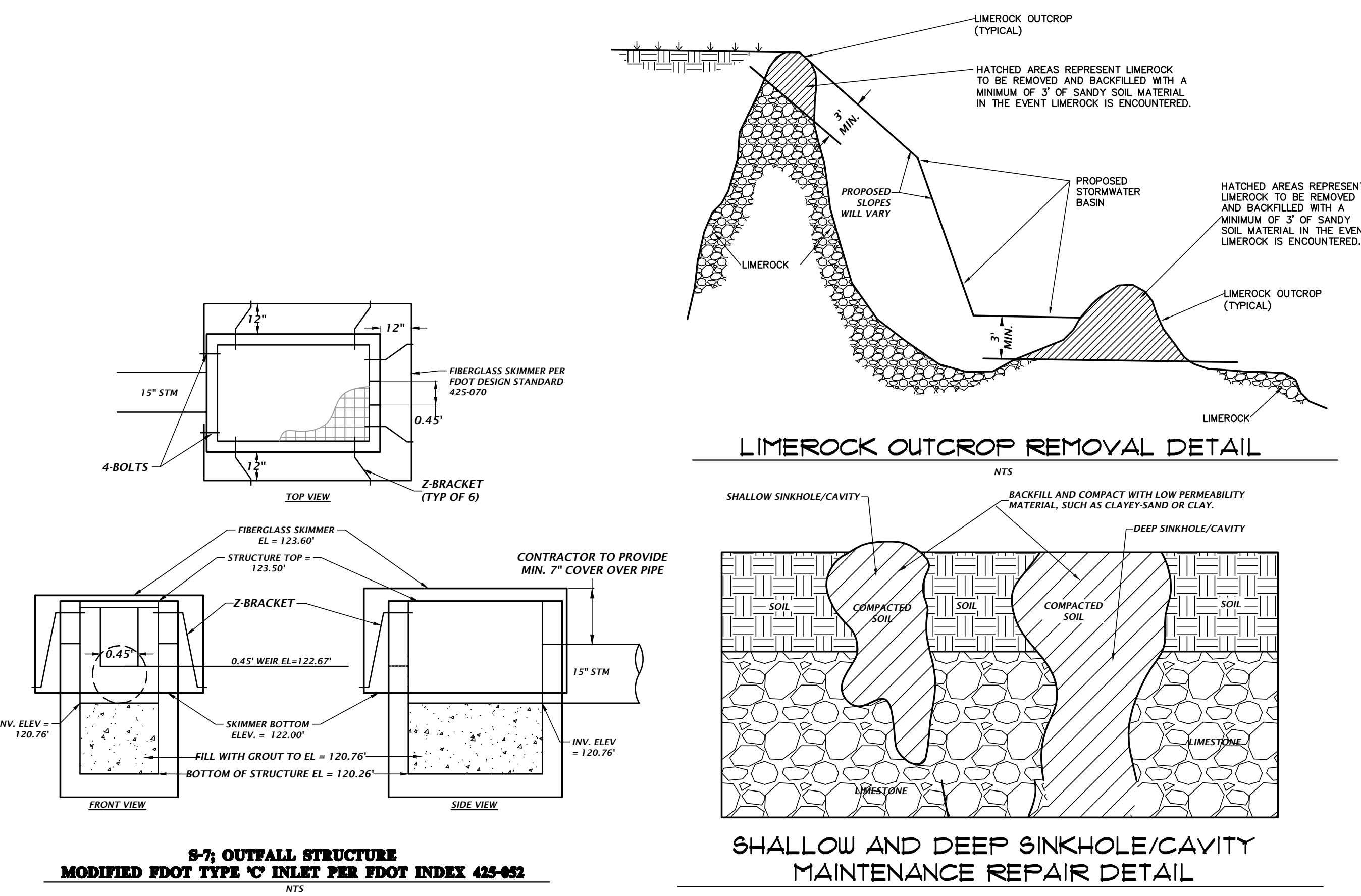
IF A CONTINUOUS LIMEROCK FORMATION IS ENCOUNTERED DURING EXCAVATION OF THE SWALES/BASIN OR IF A SINKHOLE FORMS IN THE AREA OF A DRAINAGE SWALE/BASIN THE ENGINEER OF RECORD SHALL BE NOTIFIED BY EITHER THE CONTRACTOR OR THE ESTABLISHED OPERATION AND MAINTENANCE ENTITY. THE ENGINEER OF RECORD SHALL INSPECT THE REPAIRED AREA UPON COMPLETION OF THE REPAIR.

WHERE A CONTINUOUS LIMEROCK FORMATION IS ENCOUNTERED DURING EXCAVATION OF THE SWALES/BASINS, THE LIMEROCK SHALL BE OVER EXCAVATED BY 3 FEET, AN APPROVED GEO TEXTILE FABRIC SHALL BE PLACED IN THE EXCAVATION AND BACKFILLED WITH SANDY SOILS IN A LOOSE CONDITION.

ALL SWALES/BASINS SHALL BE INSPECTED MONTHLY FOR SINKHOLE OCCURRENCE. SHOULD A SINKHOLE OCCUR, THE AREA SHALL BE REPAIRED AS SOON AS POSSIBLE. REPAIR SHALL INCLUDE FILLING LIMEROCK SUCH AS ROAD BASE MATERIAL, CLAY/SAND MIXTURE, OR CONCRETE IF NECESSARY. A 3-FOOT DEEP CAP THAT EXTENDS 3 FEET BEYOND THE PERIMETER OF THE SINKHOLE SHALL BE CONSTRUCTED WITH CLAYEY SOILS. THE CLAYEY SOIL SHALL HAVE AT LEAST 20% PASSING THE NO. 200 SIEVE, COMPACTED TO 95% OF STANDARD PROCTOR, AND COMPACTED IN A WET CONDITION WITH MOISTURE 2% - 4% ABOVE OPTIMUM. THE CLAY SOIL CAP SHALL BE RE-GRADED TO PREVENT CONCENTRATION OF WATERS (PONDING) AND RE-VEGETATED.

OPERATION & MAINTENANCE ENTITY

CONCEPT DEVELOPMENT, INC.



- IF A CONTINUOUS LIMEROCK FORMATION IS ENCOUNTERED IN THE BASIN AREA CONTACT THE ENGINEER OF RECORD. THE LIMEROCK SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 3 FEET BEYOND THE BASIN UNDERCUT LIMITS.
- IF A SOLUTION PIPE SINKHOLE DOES FORM IN THE STORMWATER BASIN, THEN THE SINKHOLE SHALL BE REPAIRED BY BACKFILLING WITH MATERIAL OF LOWER-PERMEABILITY MATERIAL, SUCH AS CLAYEY SAND OR CLAY. THE MATERIAL SHALL BE COMPACTED AND THE SINKHOLE REPAIR SHOULD BRING THE SURFACE BACK TO AN ELEVATION WHICH IS SLIGHTLY ABOVE THE ORIGINAL BOTTOM, CREATING A SMALL MOUND.
- IN AREAS WHERE CLAY RICH SOILS ARE ENCOUNTERED AT THE BASIN BOTTOM, UNDERCUT SOILS A MINIMUM OF 2 FEET AND BACKFILL WITH ON-SITE OR IMPORTED SANDS AND SAND WITH SILT (SP-SM) HAVING A MAXIMUM OF 12 PERCENT SOIL FINES PASSING THE NO. 200 SIEVE.

STORMWATER MANAGEMENT FACILITY CROSS SECTION A-A

1800 Research Drive
Alachua, Florida 32615
(352) 351-1976
www.ch2m-hill.com
est. 1988 **FLORIDA**
CA-5075

CH2M HILL
Professional Consultants

SCALE: 1"=10'
VERIFY SCALE
BAR IS ONE INCH ON
0" ORIGINAL DRAWING
IF NOT ONE INCH ON
SHEETS ACCORDINGLY

CONSTRUCTION DIVISION

COLUMBIA COUNTY & FDOT SUBMITTAL
100% CD SET

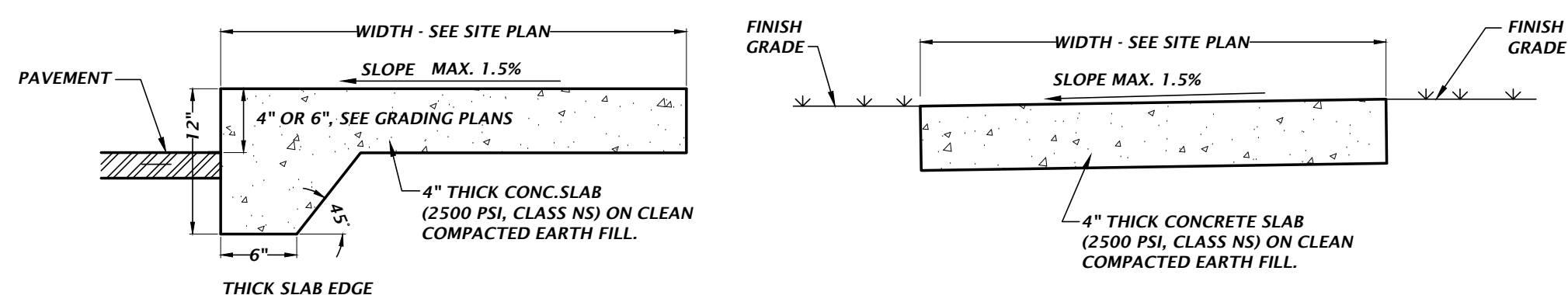
SUBMITTALS
2024-06-14
2024-10-16

CLIENT: TERAMORE DEVELOPMENT, LLC
PROJECT: STORMWATER MANAGEMENT FACILITY PLAN
DESIGNER: G. WADZINSKI
QUALITY CONTROL: K. JACKSON, E.I.
PROJECT NUMBER: 23-0757
SHEET TITLE: STORMWATER MANAGEMENT FACILITY PLAN
SHEET NUMBER: 23-0757

TECHNICIAN: DANIEL H. YOUNG
Daniel H. Young,
State of Florida, Professional
Engineer, License No. 70780
This item has been digitally
signed and sealed by Daniel
H. Young, P.E., on the date
indicated here.
Signatures must be verified on
any electronic copies.

FL PE No. 70780
SHEET NO. **C2.20**

Title: c2.20 Plot Date: Fri 25-2024 2:23pm Filename: N:\2023\23-0757\Department\CA_Engineering\CA_Engineering\23-0757_Production\Plan\23-0757_SMF.dwg

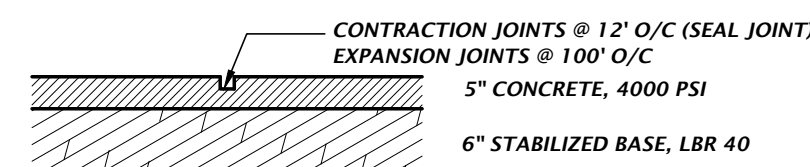


- NOTES:
1. SAWCUT CONTROL JOINTS SHALL BE CONSTRUCTED 5 FEET ON CENTER
 2. EXPANSION JOINTS WITH PREFORMED JOINT FILLER SHALL BE CONSTRUCTED BETWEEN ALL FIXED OBJECTS AND WALK AND AT CONSTRUCTION JOINTS.

ADJACENT TO PAVEMENT **NOT ADJACENT TO PAVEMENT**

NTS

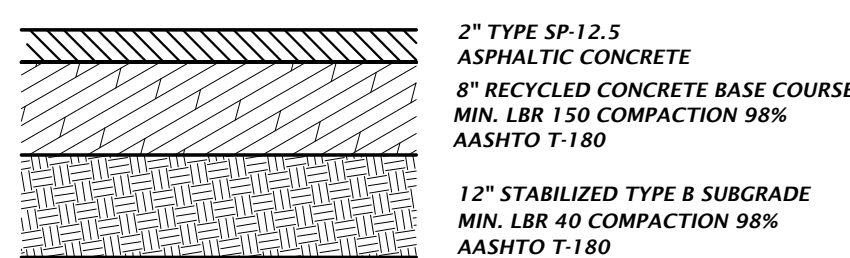
CONCRETE SIDEWALK DETAILS



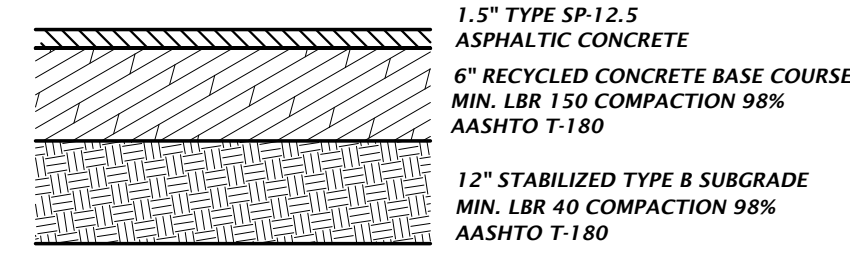
NOTE: CONCRETE PAVEMENT & JOINTS SHALL BE CONSTRUCTED TO FC & PA STANDARDS.

HEAVY DUTY CONCRETE DETAIL

NTS



HEAVY DUTY ASPHALT DETAIL



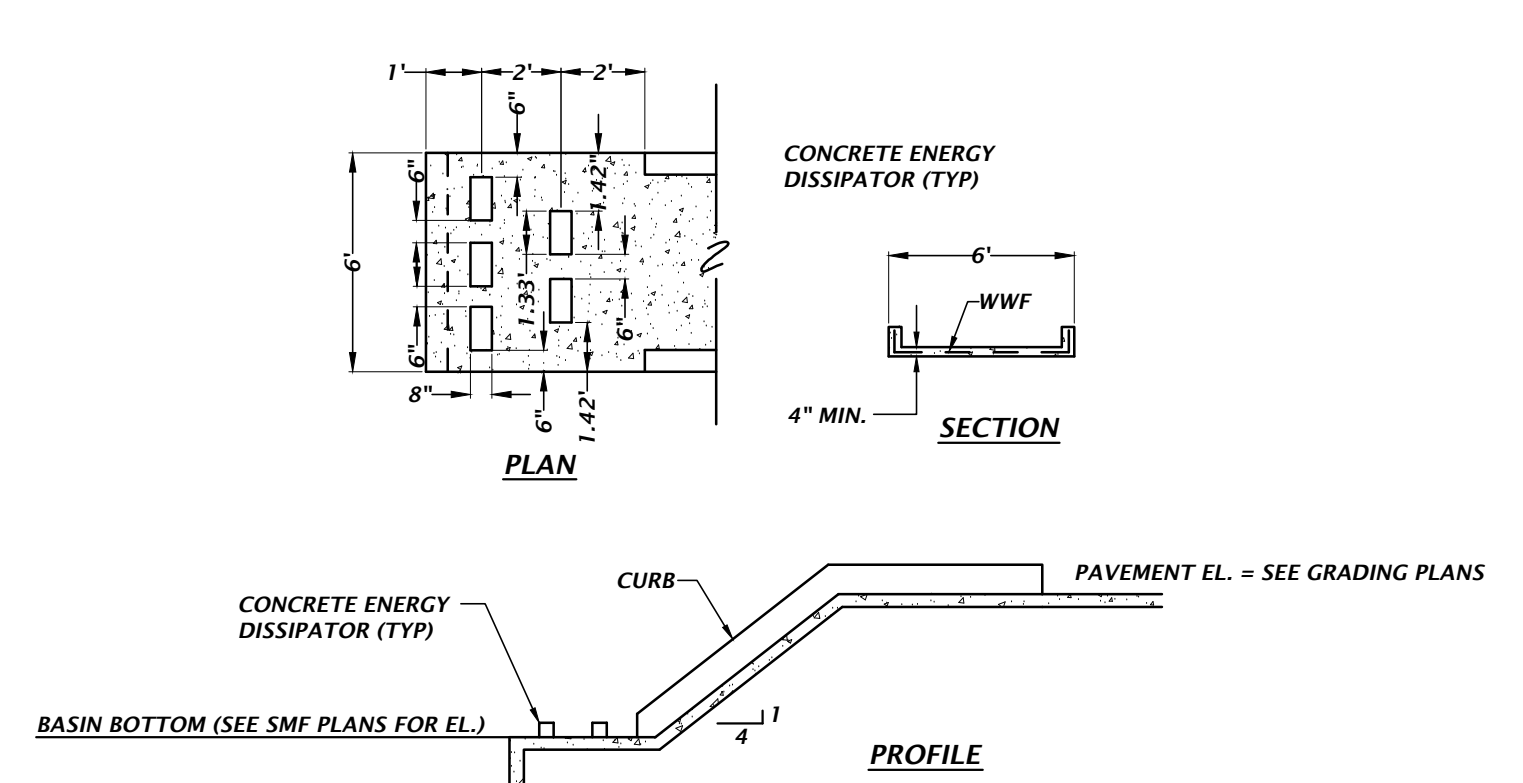
STANDARD DUTY ASPHALT DETAIL



FDOT ASPHALT DETAIL

ASPHALT PAVEMENT DETAILS

NTS

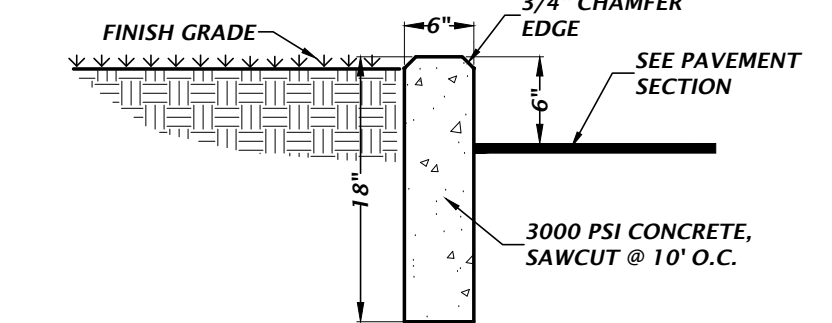


CONCRETE SPILLWAY DETAIL

NTS

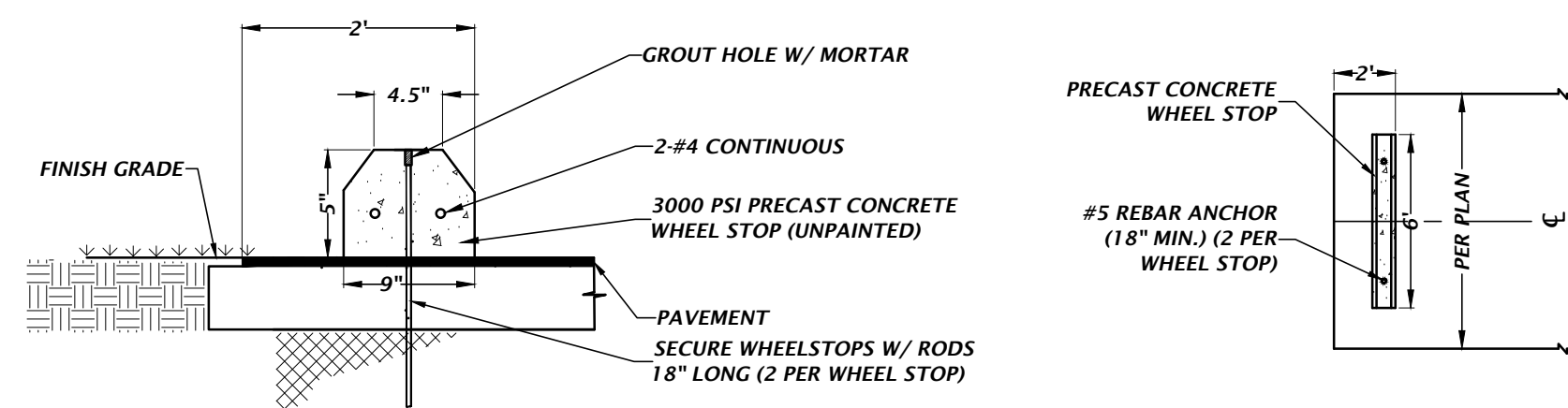
PIPE BOLLARD DETAIL

NTS



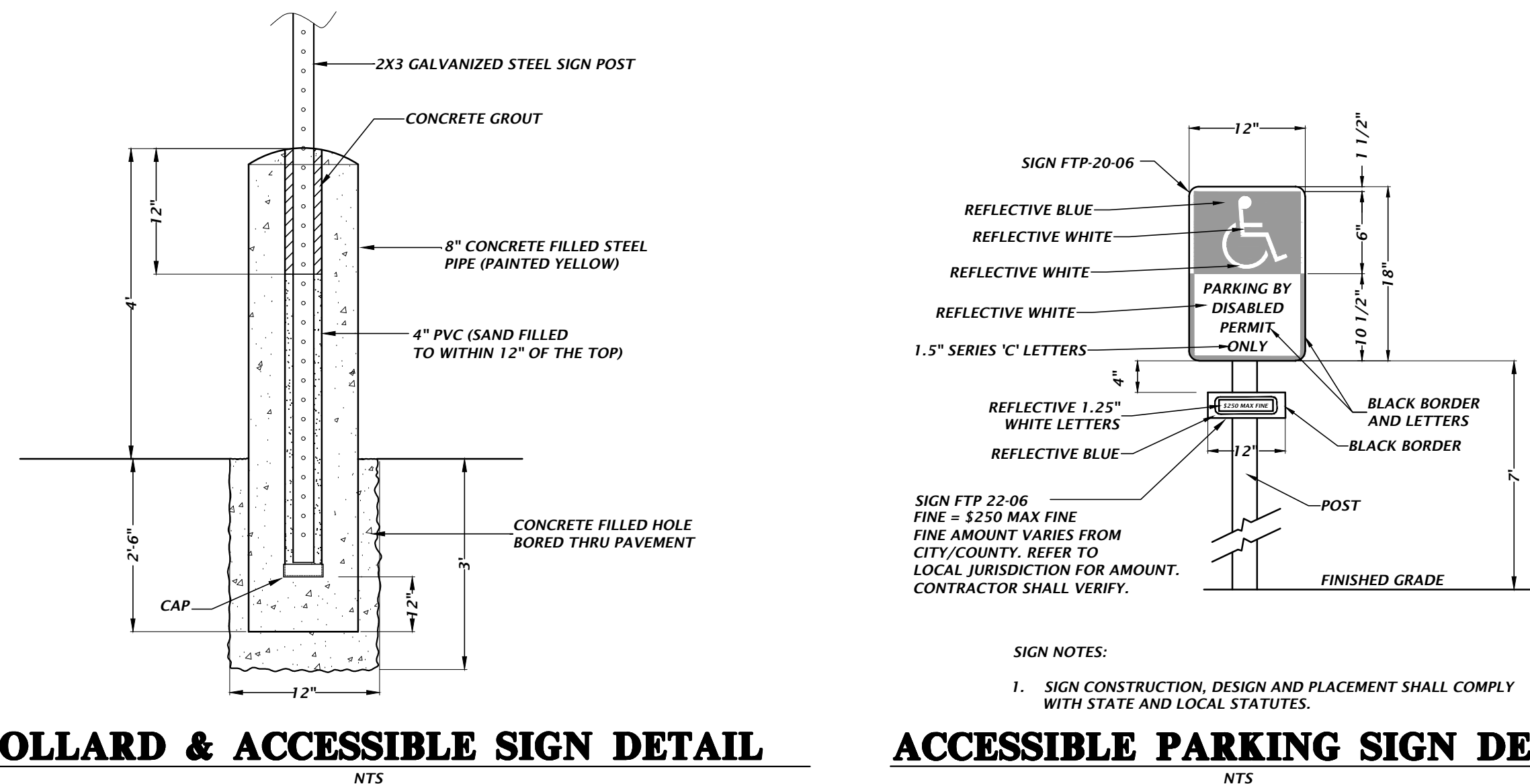
TYPICAL 6" CURB DETAIL

NTS



WHEEL STOP DETAIL

NTS

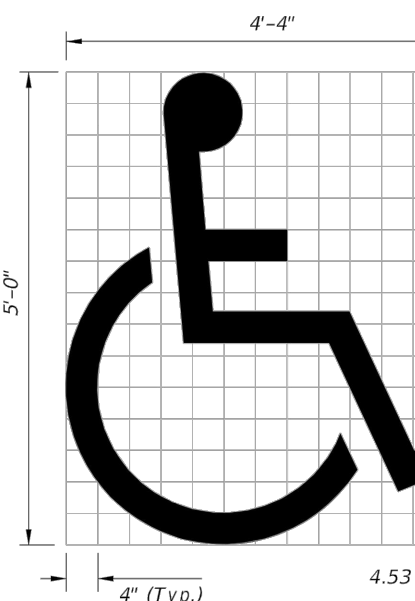
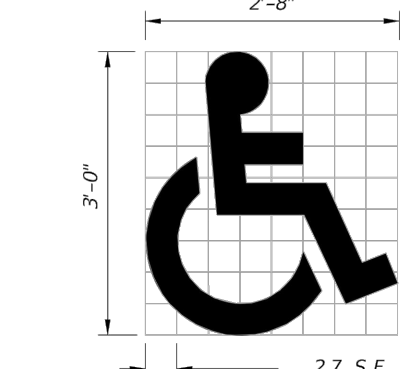
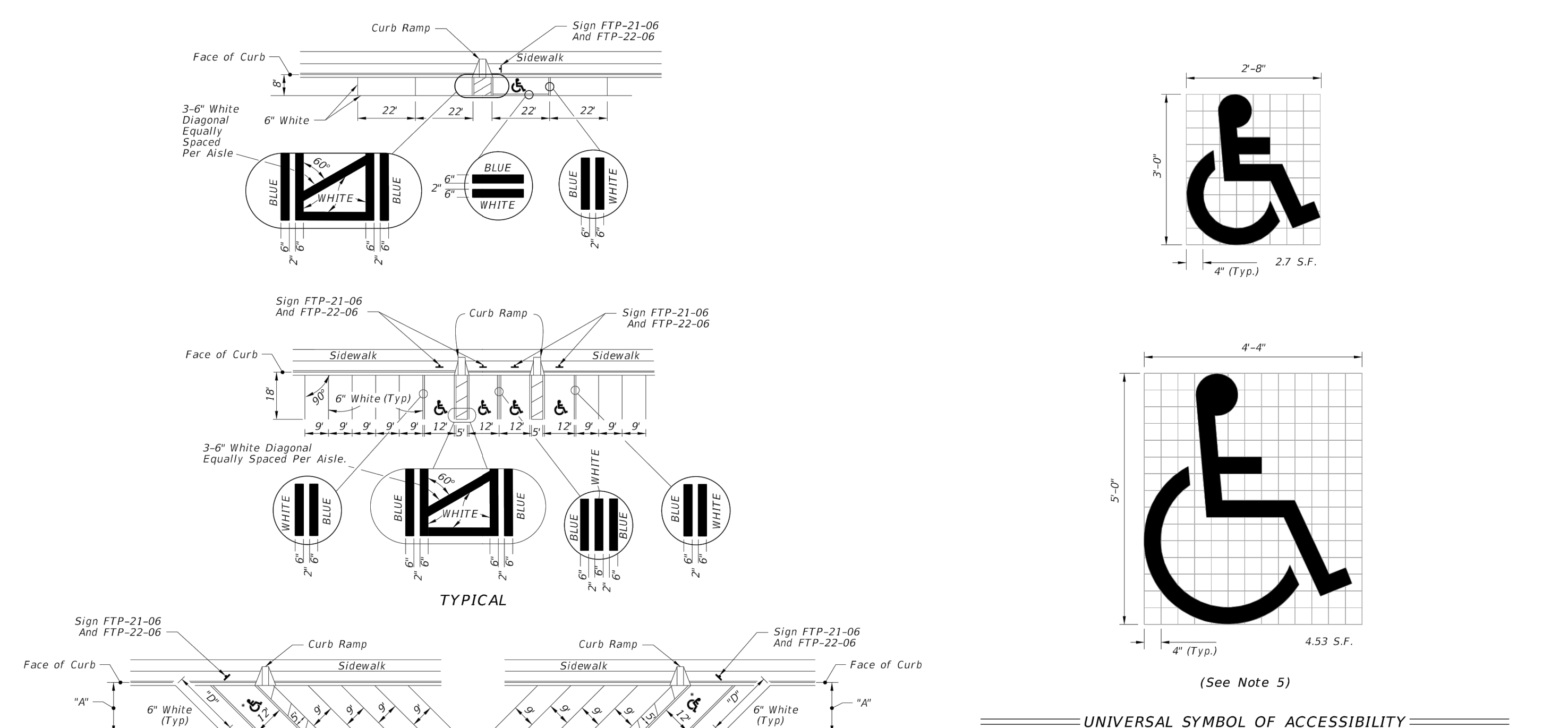


BOLLARD & ACCESSIBLE SIGN DETAIL

NTS

ACCESSIBLE PARKING SIGN DETAIL

NTS



UNIVERSAL SYMBOL OF ACCESSIBILITY

- NOTES:
1. Dimensions are to the centerline of markings.
 2. An Access Aisle is required for each accessible space when angle parking is used.
 3. Criteria for pavement markings only, not public sidewalk curb ramp locations. For ramp locations refer to plans.
 4. Mount FTP-22-06 sign below the FTP-21-06 sign.
 5. Use of the pavement symbol in accessible parking spaces is optional. When pavement symbol is used, the symbol is either 3'-0" or 5'-0" high and white in color.

*FOR ACCESSIBLE MARKINGS - SEE ABOVE

DIMENSIONS				
Δ 8	"A"	"B"	"C"	"E"
45"	17'-0"	12'-9"	7'-0"	24'-0"
				17'-0"

LAST REVISION 11/01/21	DESCRIPTION: REVISION	FDOT FY 2023-24 STANDARD PLANS	INDEX 711-001	SHEET 11 of 13
---------------------------	--------------------------	--------------------------------------	------------------	-------------------

11801 Research Drive
Alachua, Florida 32615
(352) 351-1976
www.chw-inc.com
est. 1988 FLORIDA
CA-5075

CHW
Professional Consultants

N/A
VERIFY SCALE
BAR IS ONE INCH ON
ORIGINAL DRAWING
IF NOT ONE INCH ON
SCALE, ACCORDINGLY.

SCALE: N/A

CONSTRUCTION DIVISIONS

COLUMBIA COUNTY & FDOT SUBMITTAL
100% CD SET

DATE: 2024-06-14
2024-10-16

CLIENT: TERAMORE DEVELOPMENT, LLC

PROJECT: CR5 WINFIELD

DESIGNER: K. JACKSON, E.L.

QUALITY CONTROL: D. YOUNG, P.E.

PROJECT NUMBER: 23-0757

SHEET TITLE: CONSTRUCTION DETAILS

TECHNICIAN: DANIEL H. YOUNG

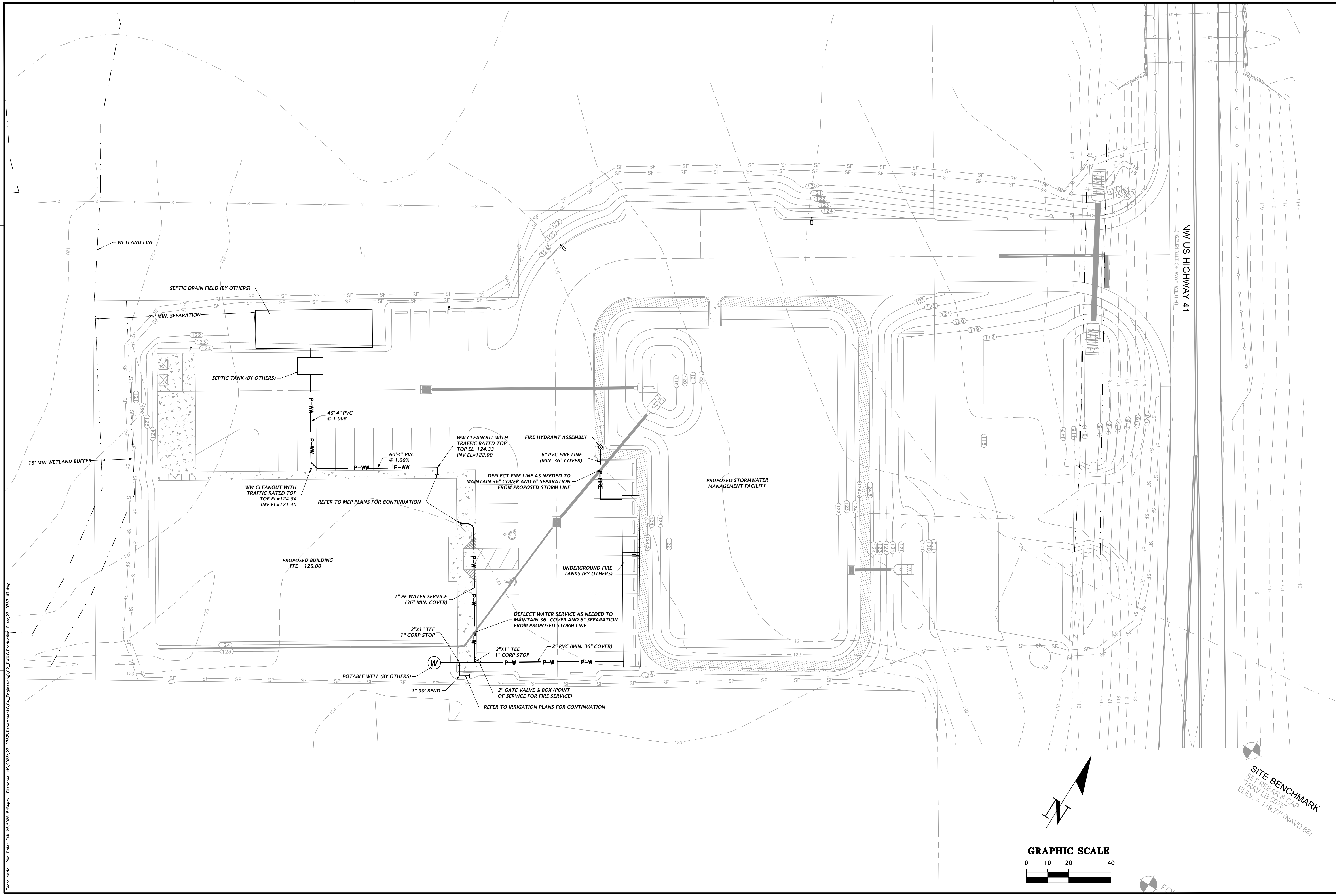
Daniel H. Young,
State of Florida, Professional
Engineer, License No. 70780

This item has been digitally
signed and sealed by Daniel
H. Young, P.E., on the date
indicated here.

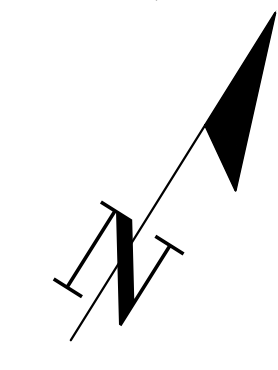
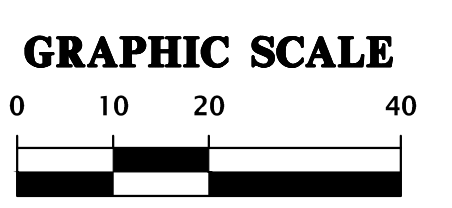
Signatures must be verified on
any electronic copies.

FL PE No. 70780
SHEET NO. **C2.30**

File Path: P:\23-0757\Department\CA_Engineering\02_DWG\Production\Flm\A23-0757_01.dwg
Filename: A1_2023A23-0757\Department\CA_Engineering\02_DWG\Production\Flm\A23-0757_01.dwg
Text: c:\ps\font\10\252028 1232pm



Title: c:\p1\proj\23-0757\Drawings\23-0757-01\23-0757-01.dwg Plot Date: Fri 25/08/2024 12:46m File Name: N:\2023\23-0757\Drawings\23-0757-01\23-0757-01.dwg Plot Date: Fri 25/08/2024 12:46m



SITE BENCHMARK
 SET REBAR & CAP
 TRAVEL 5073'
 ELEV. = 119.77' (NAVD 88)

CHIA Professional Consultants 11801 Research Drive Alachua, Florida 32615 (352) 351-1976 www.chia-inc.com est. 1988 FLORIDA CA-5075	
SCALE: 1"=20' VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON SCALES ACCORDINGLY.	CONSTRUCTION AND REVISIONS:
SUBMITTALS: 2024-06-14 2024-10-16	CLIENT: TERAMORE DEVELOPMENT, LLC PROJECT: COLUMBIA COUNTY & FOOT SUBMITTAL 100K CD SET
TECHNICIAN: G. WADZINSKI DESIGNER: K. JACKSON, E.I. QUALITY CONTROL: D. YOUNG, P.E.	SHEET TITLE: UTILITY PLAN PROJECT NUMBER: 23-0757
ENGINEER: DANIEL H. YOUNG State of Florida, Professional Engineer, License No. 70780 This item has been digitally signed and sealed by Daniel H. Young, P.E., on the date indicated here. Signatures must be verified on any electronic copies.	FL PE No. 70780 C3.10