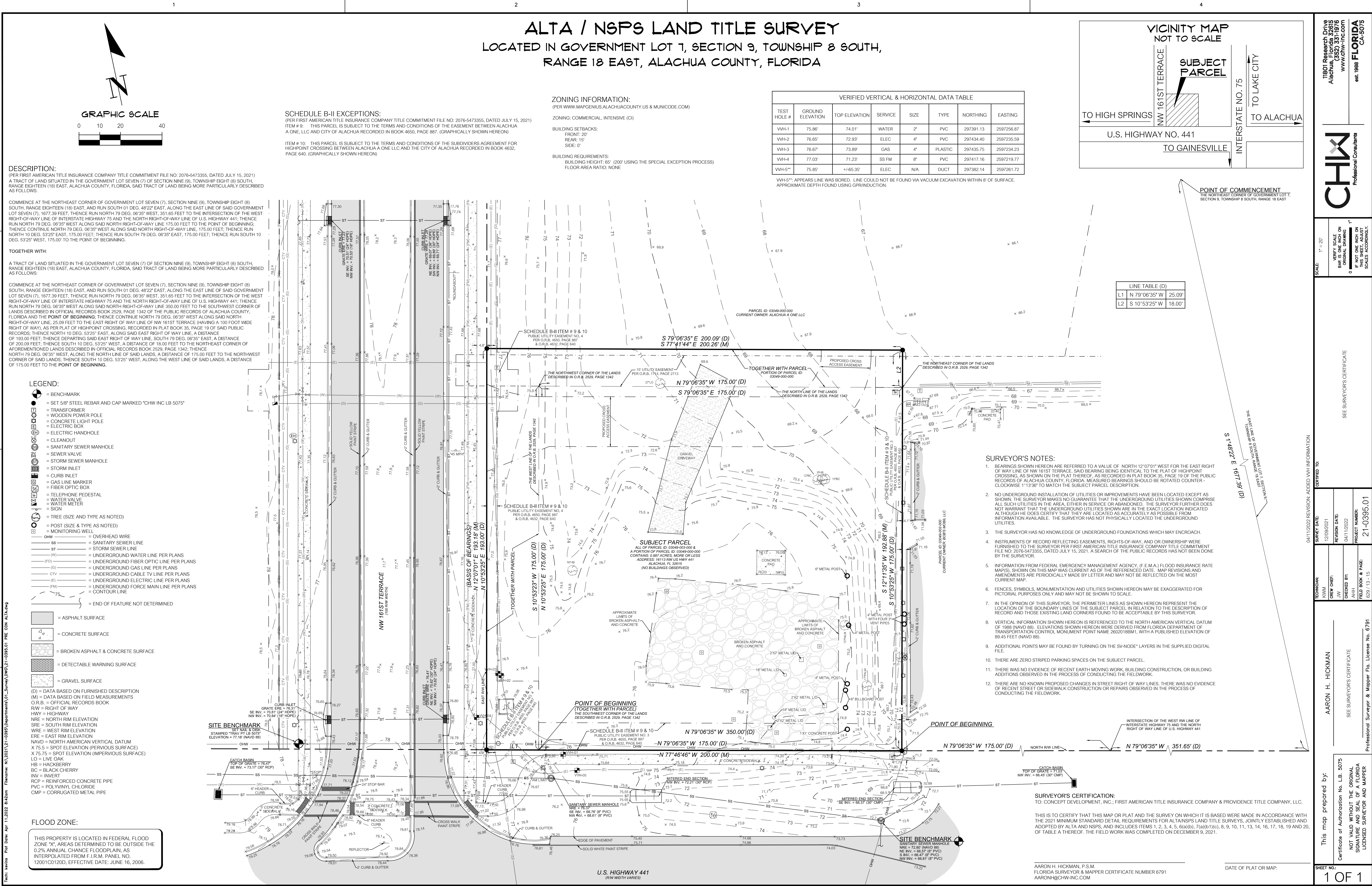


SHEET NO.:

C0.00



ABBREVIATIONS

SYMBOLS		N	
'	FEET (WHEN USED WITH LENGTHS)	N	NORTH
'	DEGREES	N-E	NORTHING - EASTING
'	MINUTES (WHEN USED WITH ANGLES)	N/A	NOT APPLICABLE
"	SECONDS	NAVD	NORTH AMERICAN VERTICAL DATUM OF 1988
%	PERCENT	NGVD	NATIONAL GEODETIC VERTICAL DATUM OF 1929
@	AT	NO	NUMBER
A		NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
AASHTO	ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	NTS	NOT TO SCALE
AC	ACRES	O	ON CENTER
ADA	AMERICAN WITH DISABILITIES ACT	OC	OVERHEAD WIRE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	OHW	OFFICIAL RECORDS BOOK
ARCH	ARCHITECT	ORH	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
ARV	AIR RELEASE VALVE	P	PAVEMENT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	PC	POINT OF CURVATURE
AWWA	AMERICAN WATER WORKS ASSOCIATION	PCC	POINT OF COMPOUND CURVE
B		PE	POLYETHYLENE
BC	BACK OF CURB	PERF	PERFORATED
BFP	BACKFLOW PREVENTER	PROP	PROPOSED
BLDG	BUILDING	PT	POINT OF TANGENCY
BM	BENCHMARK	PVC	POLYVINYL CHLORIDE
BMP	BEST MANAGEMENT PRACTICE	PUE	PUBLIC UTILITY EASEMENT
BOS	BACK OF CURB	PVI	POINT OF VERTICAL INTERSECTION
BVCS	BEGIN VERTICAL CURVE STATION	R	RADIUS
BVCE	BEGIN VERTICAL CURVE ELEVATION	RCP	REINFORCED CONCRETE PIPE
BW	BOTTOM OF WALL	RPM	RAISED REFLECTIVE PAVEMENT MARKER
BSL	BUILDING SETBACK LINE	R/Z	REDUCED PRESSURE ZONE
C		RT	RIGHT
CATV	CABLE TELEVISION	RWM	RECLAIMED WATER MAIN
CI	CURB INLET	R/W	RIGHT-OF-WAY
CP	CAST IRON PIPE	S	SOUTH
CLDIP	CEMENT LINE DUCTILE IRON PIPE	SAN	SANITARY
CMP	CORRUGATED METAL PIPE	SHWE	SEASONAL HIGH WATER ELEVATION
CO	CLEANOUT	SF	SILT FENCE
CONC	CONCRETE	SL	SLOPE
COORD	COORDINATE	SP	SUPERPAVE
CR	COUNTY ROAD	SR	STATE ROAD
C/O	CLEANOUT	SS	SANITARY SEWER
D		ST	STORM
DBH	DIAMETER AT BREAST HEIGHT	STA	STATION
DDC	DOUBLE DETECTOR CHECK ASSEMBLY	STD	STANDARD
DE	DRAINAGE EASEMENT	T	TREE BARRICADE
DEG	DEGREE	TCE	TEMPORARY CONSTRUCTION EASEMENT
DIA	DIAMETER	TEMP	TEMPORARY
DIP	DUCTILE IRON PIPE	TOB	TOP OF BANK
DWG	DRAWING	TV	TELEVISION
E		TW	TOP OF WALL
e	RATE OF ELEVATION	TYP	TYPICAL
E	EAST	U	UNITED STATES FOUNDRY
EA	EACH	USGS	UNITED STATES GEOLOGICAL SURVEY
EL	ELEVATION	UTIL	UTILITY
ELEV	ELEVATION	V	VERTICAL
EOP	EDGE OF PAVEMENT	VC	VERTICAL CURVE
EOR	ENGINEER OF RECORD	VCP	VITRIFIED CLAY PIPE
ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE	W	WEST
ESMT	EASEMENT	W	WATER
EVCS	END VERTICAL CURVE STATION	W/	WITH
EVCE	END VERTICAL CURVE ELEVATION	WM	WATER MAIN
EX	EXISTING	WW	WASTEWATER
F		WWF	WELDED WIRE FABRIC
FAC	FLORIDA ADMINISTRATIVE CODE		
FBR	FLORIDA BEARING RATIO		
FC	FRICTION COURSE		
FDC	FIRE DEPARTMENT CONNECTION		
FDEP	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION		
FTE	FINISHED FLOOR ELEVATION		
FI	FIRE HYDRANT		
FWA	FLORIDA HIGHWAY ADMINISTRATION		
FIG	FIGURE		
FM	FORCE MAIN		
FOC	FACE OF CURB		
FS	FLORIDA STATUTES		
FT	FEET		
G			
GALV	GALVANIZED		
GM	GAS MAIN		
GV	GATE VALVE		
H			
HDPE	HIGH DENSITY POLYETHYLENE		
HP	HIGH POINT		
I			
ID	IDENTIFICATION		
INV	INVERT		
INV EL	INVERT ELEVATION		
IP	IRON PIPE		
K			
K	VERTICAL CURVE RATE OF CHANGE		
L			
L	LENGTH		
LA	LANDSCAPE ARCHITECT		
LBR	LIMEROCK BEARING RATIO		
LDR	LAND DEVELOPMENT REGULATION		
LF	LINEAR FEET		
LP	LOW POINT		
LT	LEFT		
M			
MAX	MAXIMUM		
ME	MATCH EXISTING		
MH	MANHOLE		
MIN	MINIMUM		
MISC	MISCELLANEOUS		
MJ	MECHANICAL JOINT		
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES		

SIGNAGE

SIGNS ARE PER FDOT SPECIFICATIONS OR PER MUTCD. SIGN POSTS AND INSTALLATION SHALL BE PER FDOT INDEX NO. 700-010. SIGN PLACEMENT SHALL BE PER FDOT INDEX NO. 700-101.

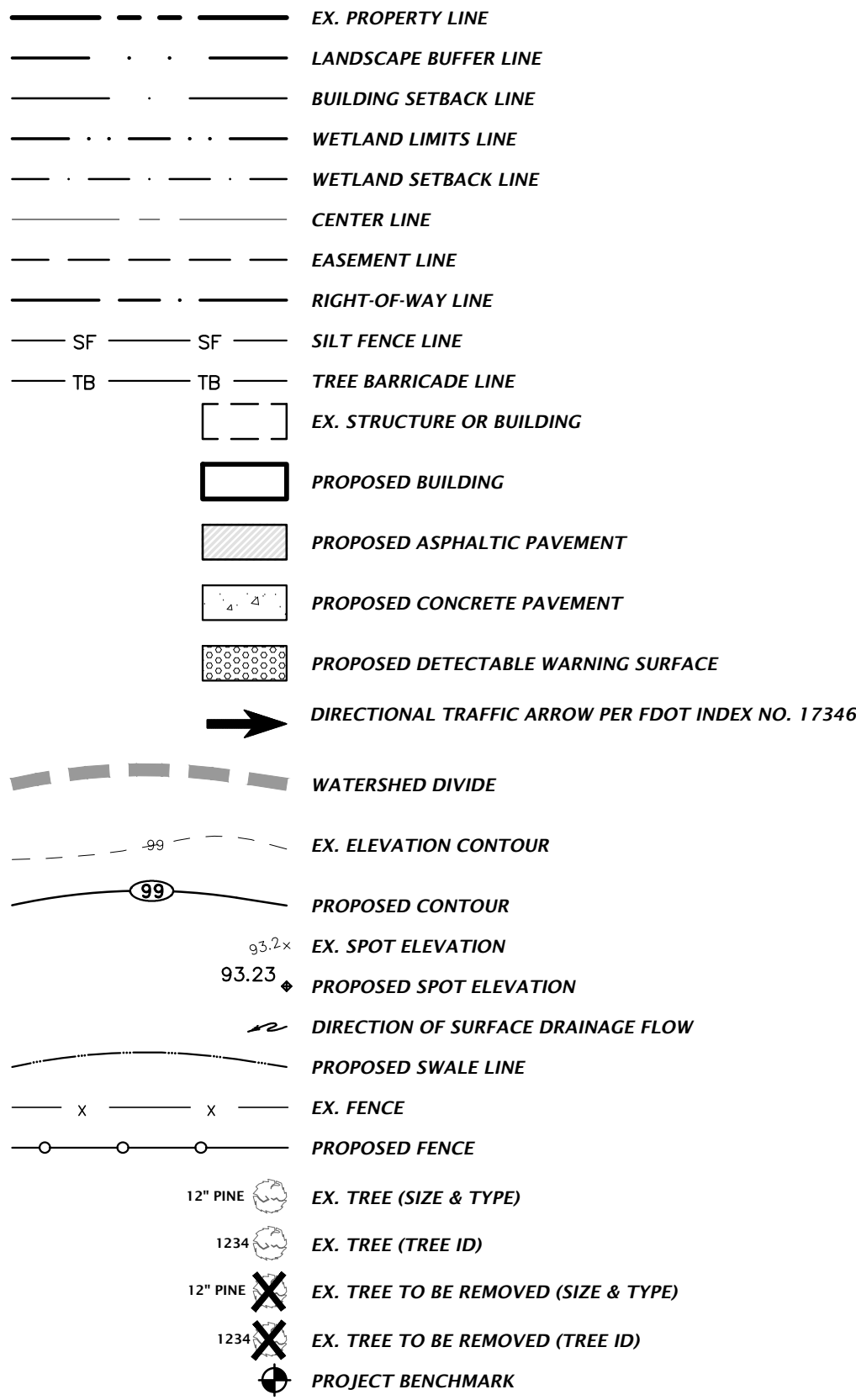


FTP-20-06 (12" X 18") PER FDOT INDEX NO. 700-102



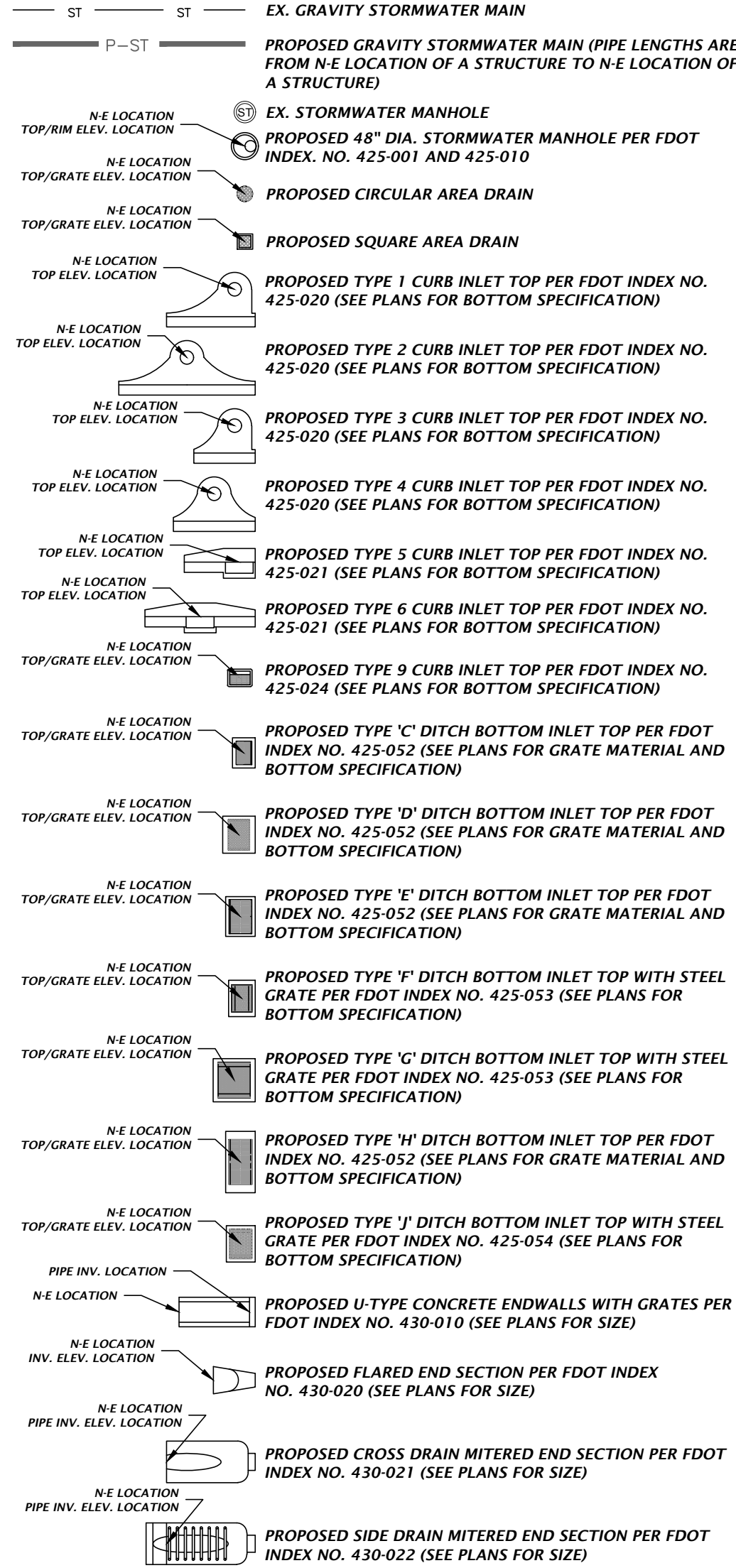
R1-1 "STOP" - SEE PLANS FOR SIZE

SITE INFORMATION



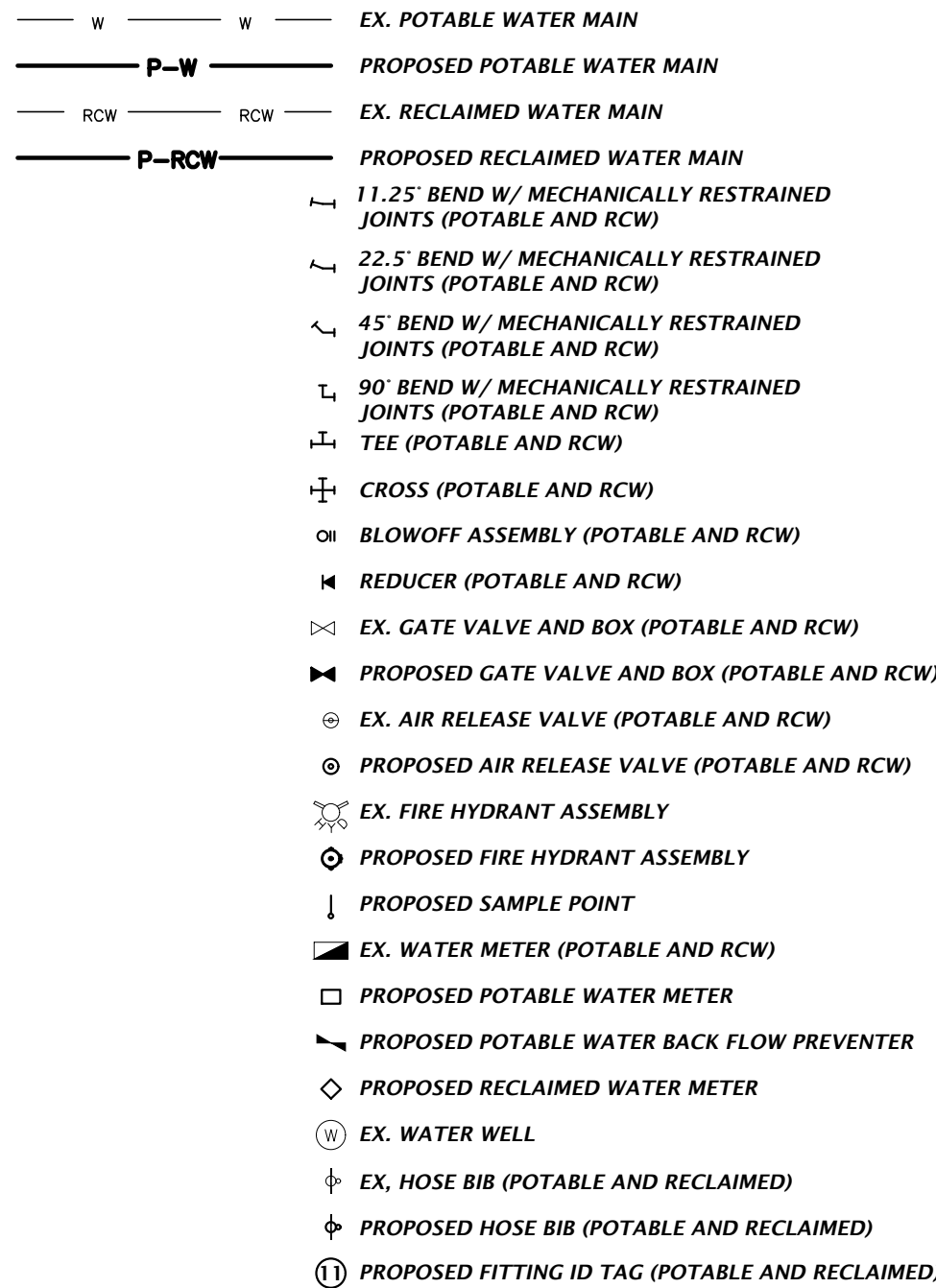
STORMWATER

THE PROPOSED STORMWATER STRUCTURES DEPICTED BELOW ARE DRAWN PER FDOT SPECIFICATIONS AND TO SCALE WHEN SHOWN ON THE PLAN SHEETS.

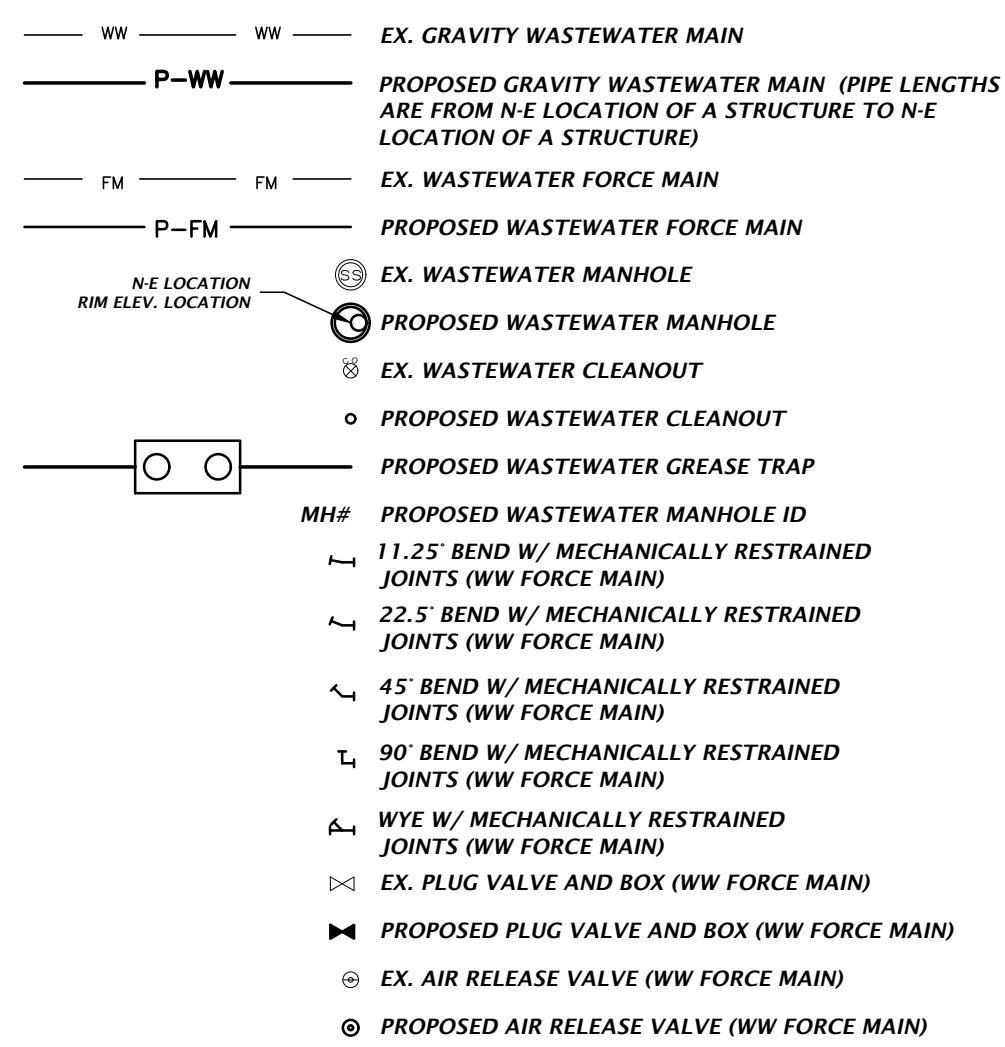


S-10 PROPOSED STORMWATER STRUCTURE ID TAG

POTABLE AND RECLAIMED WATER

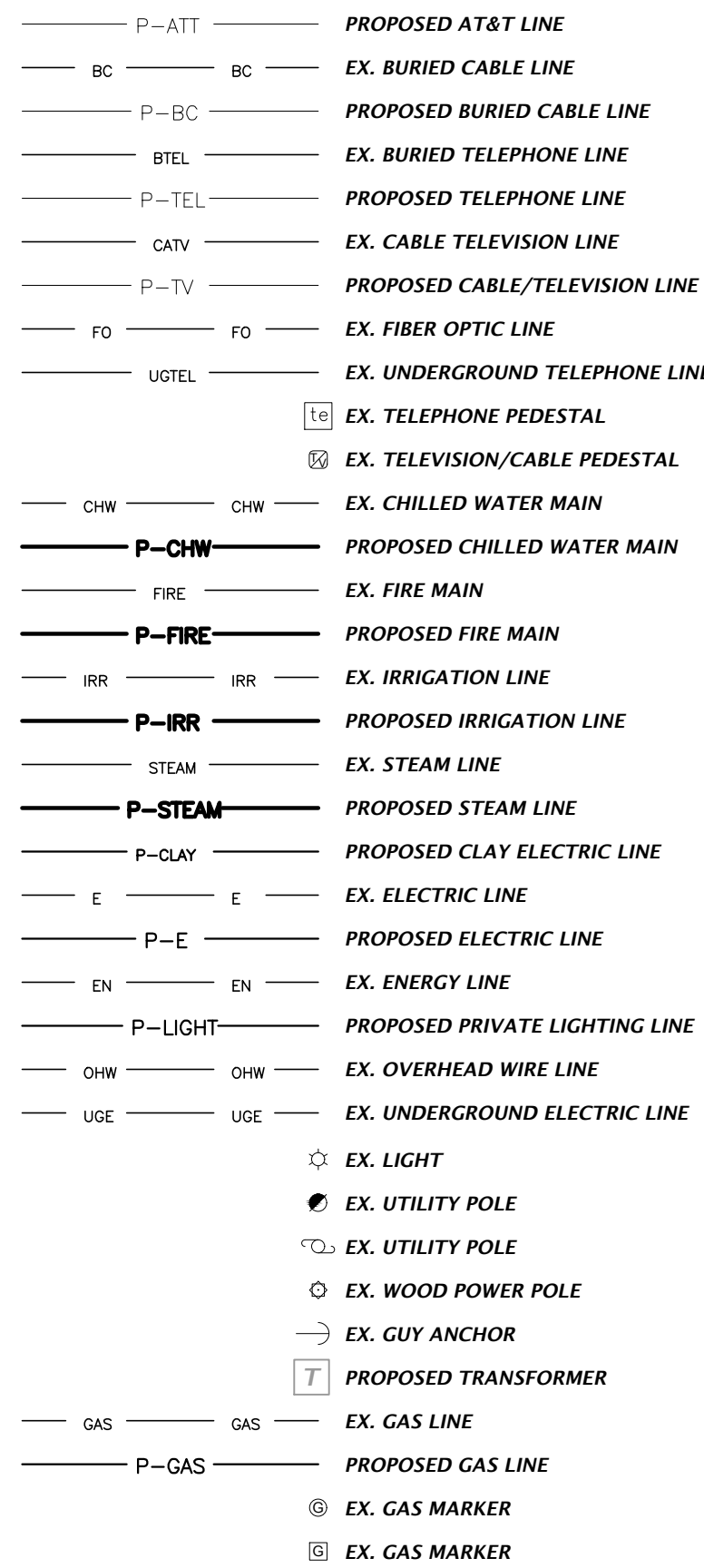


WASTEWATER



MISCELLANEOUS UTILITIES

THE PROPOSED UTILITIES BELOW ARE DESIGN BY OTHERS AND ARE DEPICTED FOR COORDINATION PURPOSES ONLY. REFER TO PLANS BY OTHERS FOR EXACT LOCATIONS, DIMENSION, AND DETAILS.



NOTES:
1. THIS LEGEND IS ALL INCLUSIVE AND MAY INCLUDE ITEMS NOT A PART OF THIS PLAN SET.
2. SYMBOLS SHOWN ON THIS SHEET ARE FOR ILLUSTRATIVE PURPOSES ONLY. UNLESS NOTED OTHERWISE, SYMBOLS IN THESE PLANS MAY NOT BE REPRESENTATIVE OF SIZE.

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N/A
VERIFY SCALE ON
BASIC DRAWING
OR ORIGINAL DRAWING
IF NOT SHOWN ON
THIS SHEET, ADJUST
SCALES ACCORDINGLY.

SCALE
CONSTRUCTION TO FINISHES

DATE: 2/28/22
CITY OF ALACHUA, FDOT & SWWD
4/28/22 CITY OF ALACHUA

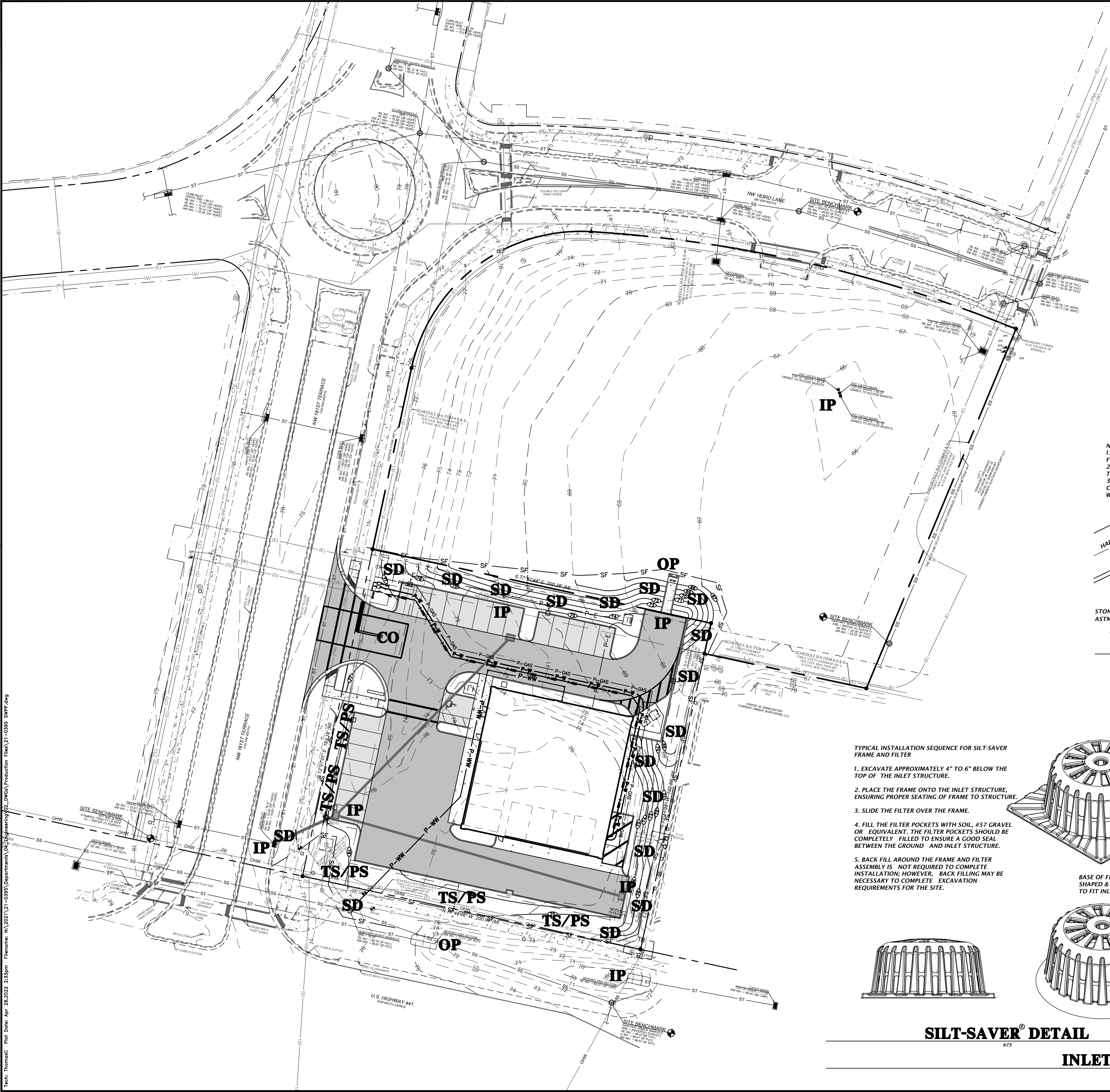
CLIENT: CONCEPT DEVELOPMENT, INC.
PROJECT: MAVIS DISCOUNT ALACHUA TIRE
SHEET TITLE: LEGEND

DESIGNER: T.E. COWART
CHECKER: N. COWAP, P.E.
QUALITY CONTROL: D. YOUNG, P.E.
PROJECT NUMBER: 21-0395

DANIEL H. YOUNG

FL PE No. 70780
SHEET NO.

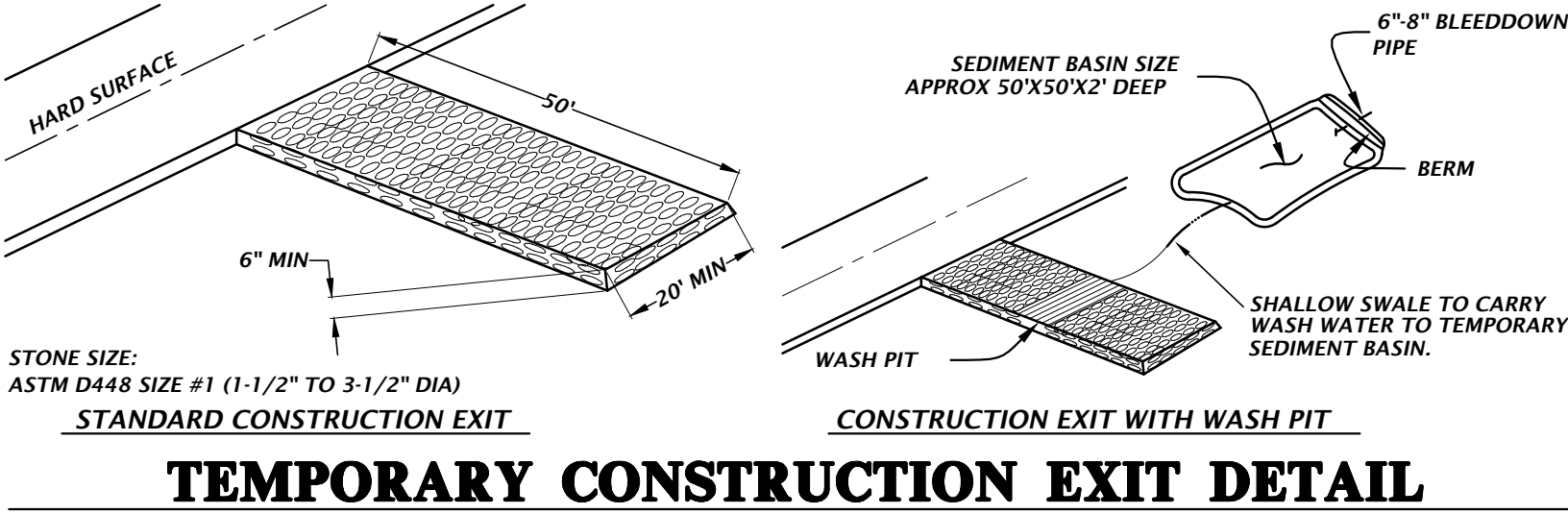
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**STORMWATER POLLUTION
PREVENTION LEGEND**

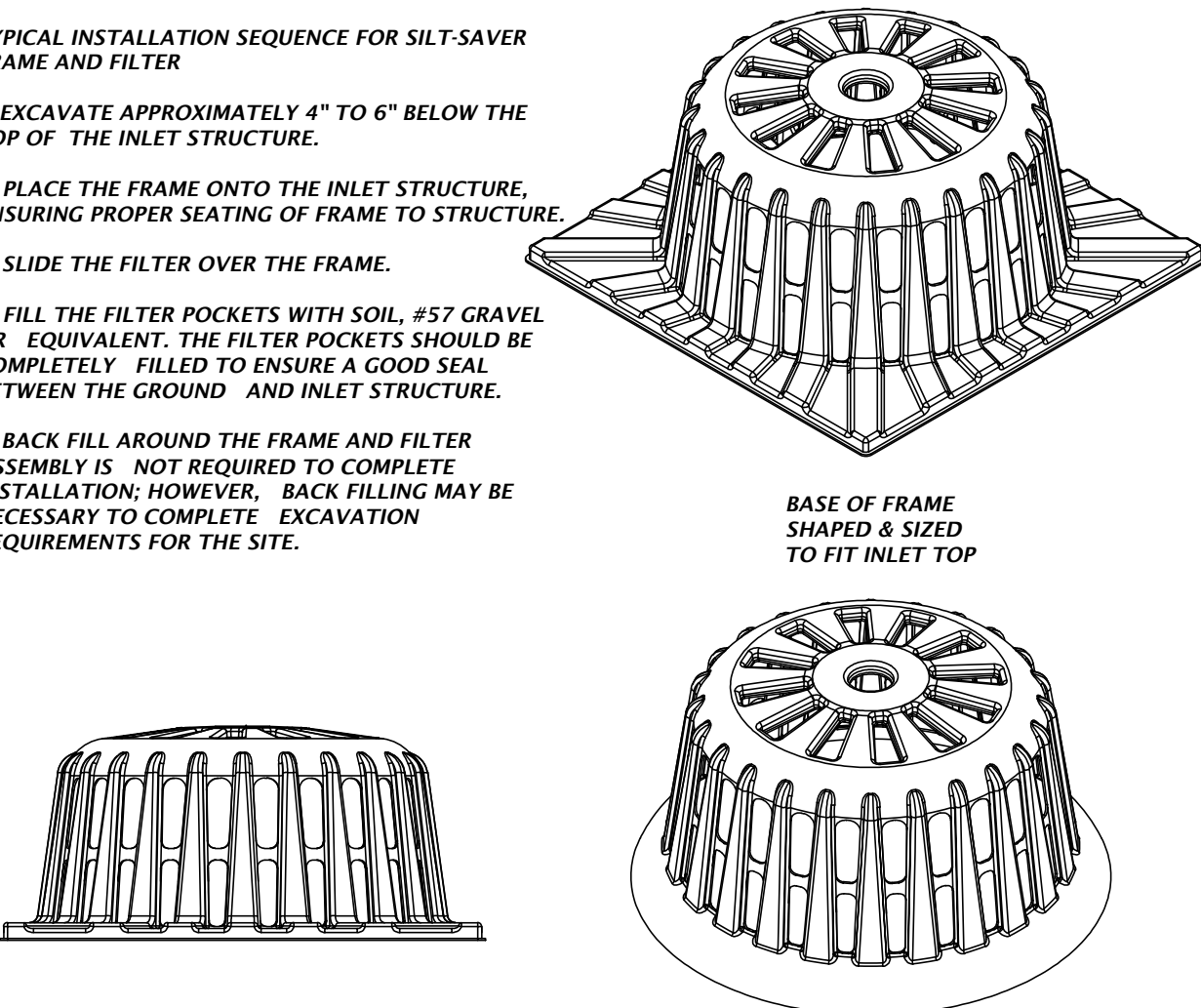
- TS** = TEMPORARY SEEDING
- PS** = PERMANENT SEEDING
- ML** = MULCHING
- SD** = SOD STABILIZATION
- SF** = SILT BARRIER
- TB** = TREE BARRIER
- IP** = INLET PROTECTION
- OP** = OUTLET PROTECTION
- CO** = CONSTRUCTION ENTRANCE/EXIT

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

- TYPICAL INSTALLATION SEQUENCE FOR SILT-SAVER FRAME AND FILTER**
1. EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE.
 2. PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.
 3. SLIDE THE FILTER OVER THE FRAME.
 4. 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.
 5. 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.

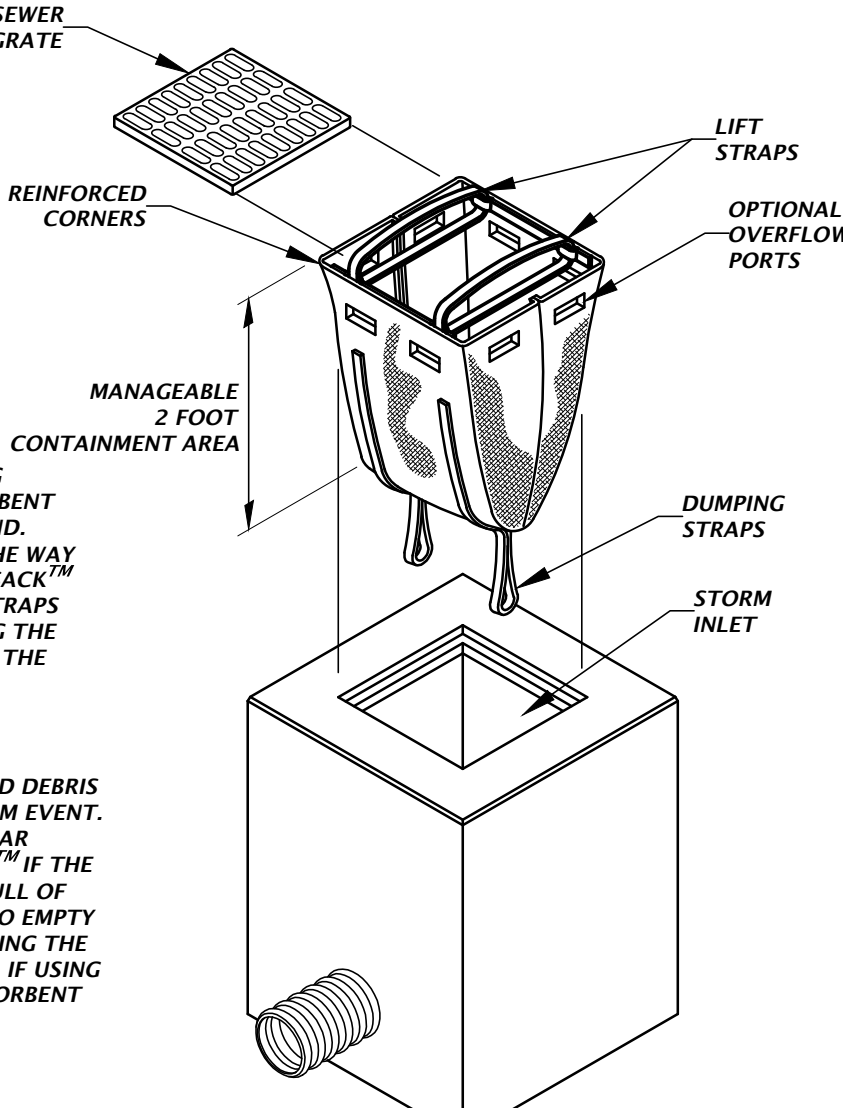


SILT-SAVER® DETAIL

INLET PROTECTION OPTIONS DETAIL

INSTALLATION:
REMOVE THE GRATE FROM INLET. IF USING OPTIONAL OIL ABSORBENTS, PLACE ABSORBENT PILLOW IN UNIT. STAND THE GRATE ON END. MOVE THE TOP LIFTING STRAPS OUT OF THE WAY AND PLACE THE GRATE INTO THE DANDY SACK™ SO THAT THE GRATE IS BELOW THE TOP STRAPS AND ABOVE THE LOWER STRAPS. HOLDING THE LIFTING DEVICES, INSERT THE GRATE INTO THE INLET.

MAINTENANCE:
REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM VICINITY OF UNIT AFTER EACH STORM EVENT. AFTER EACH STORM EVENT AND AT REGULAR INTERVALS, LOOK INTO THE DANDY SACK™. IF THE CONTAINMENT AREA IS MORE THAN 1/3 FULL OF SEDIMENT, THE UNIT MUST BE EMPTIED. TO EMPTY UNIT, LIFT THE UNIT OUT OF THE INLET USING THE LIFTING STRAPS AND REMOVE THE GRATE. IF USING OPTIONAL OIL ABSORBENTS, REPLACE ABSORBENT WHEN NEAR SATURATION.



DANDY SACK™ DETAIL



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SCALE: 1"=30'
CONSTRUCTION AND FINISHES
THIS SHEET ADJUST
SCALES ACCORDINGLY

CLIENT: 2/28/22 CITY OF ALACHUA, FOOT & SWWD
4/28/22 CITY OF ALACHUA

PROJECT: CONCEPT DEVELOPMENT, INC.
MAVIS DISCOUNT ALACHUA TIRE
STORMWATER POLLUTION
PREVENTION PLAN AND DETAILS

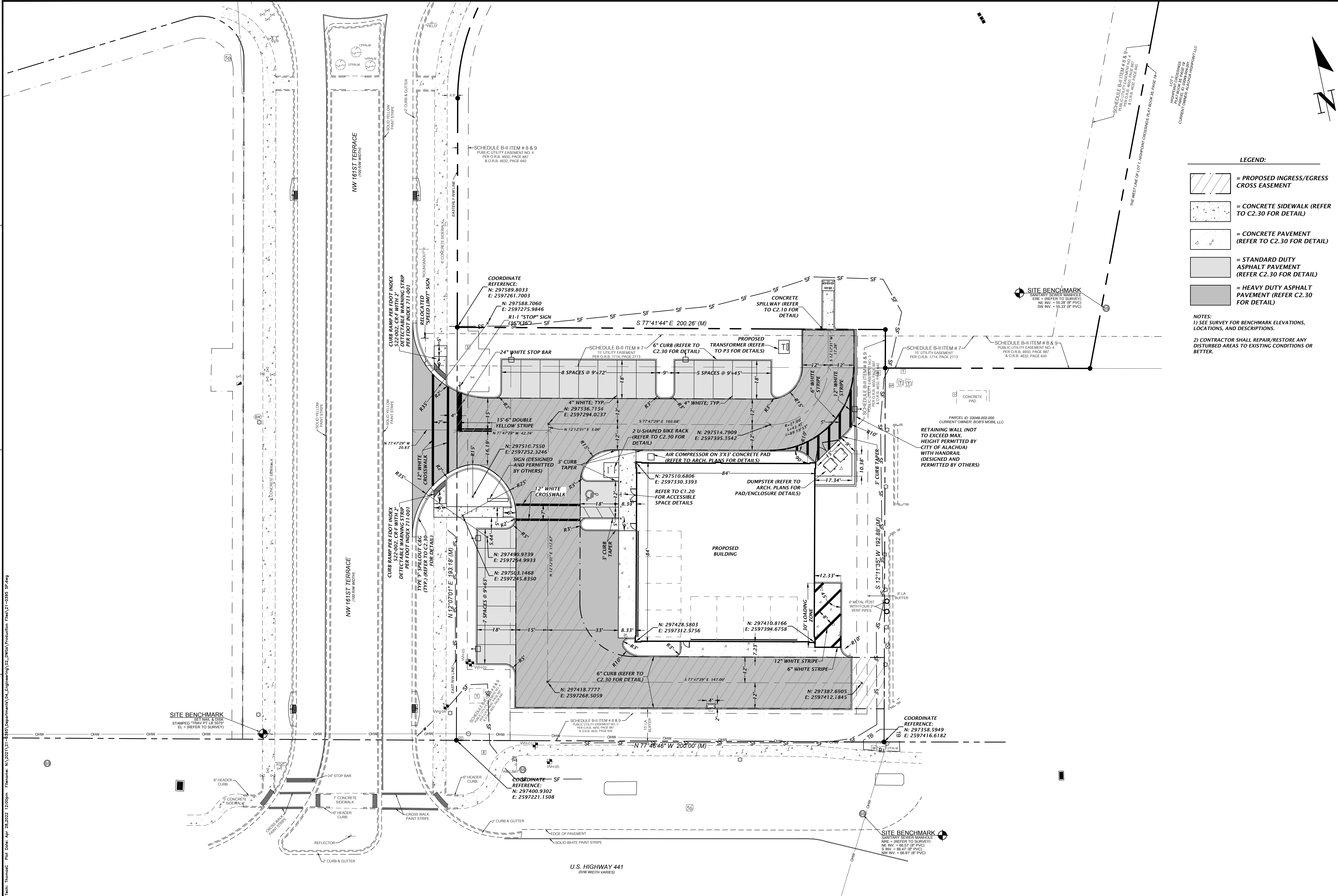
DESIGNER: T.E. COWART
P.E.
N. COWAP, P.E.
QUALITY CONTROL: D. YOUNG, P.E.
PROJECT NUMBER: 21-0395

DANIEL H. YOUNG

FL PE No. 70780

SHEET NO. **C0.21**

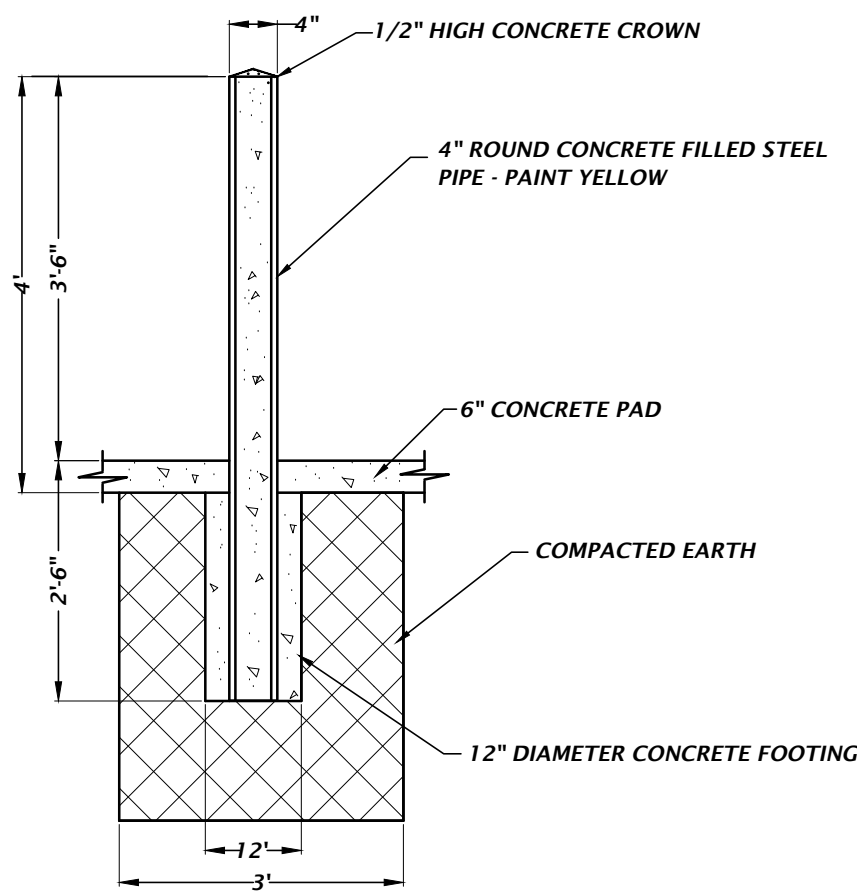
Test: Thomas Plot Date: Apr 28, 2022 12:00pm File: N:\2021\21-0395\Department\04_Engineering\02_DWG\Production\Plan\21-0395_SP.dwg



- LEGEND:**
- = PROPOSED INGRESS/EGRESS CROSS EASEMENT
 - = CONCRETE SIDEWALK (REFER TO C2.30 FOR DETAIL)
 - = CONCRETE PAVEMENT (REFER TO C2.30 FOR DETAIL)
 - = STANDARD DUTY ASPHALT PAVEMENT (REFER C2.30 FOR DETAIL)
 - = HEAVY DUTY ASPHALT PAVEMENT (REFER C2.30 FOR DETAIL)

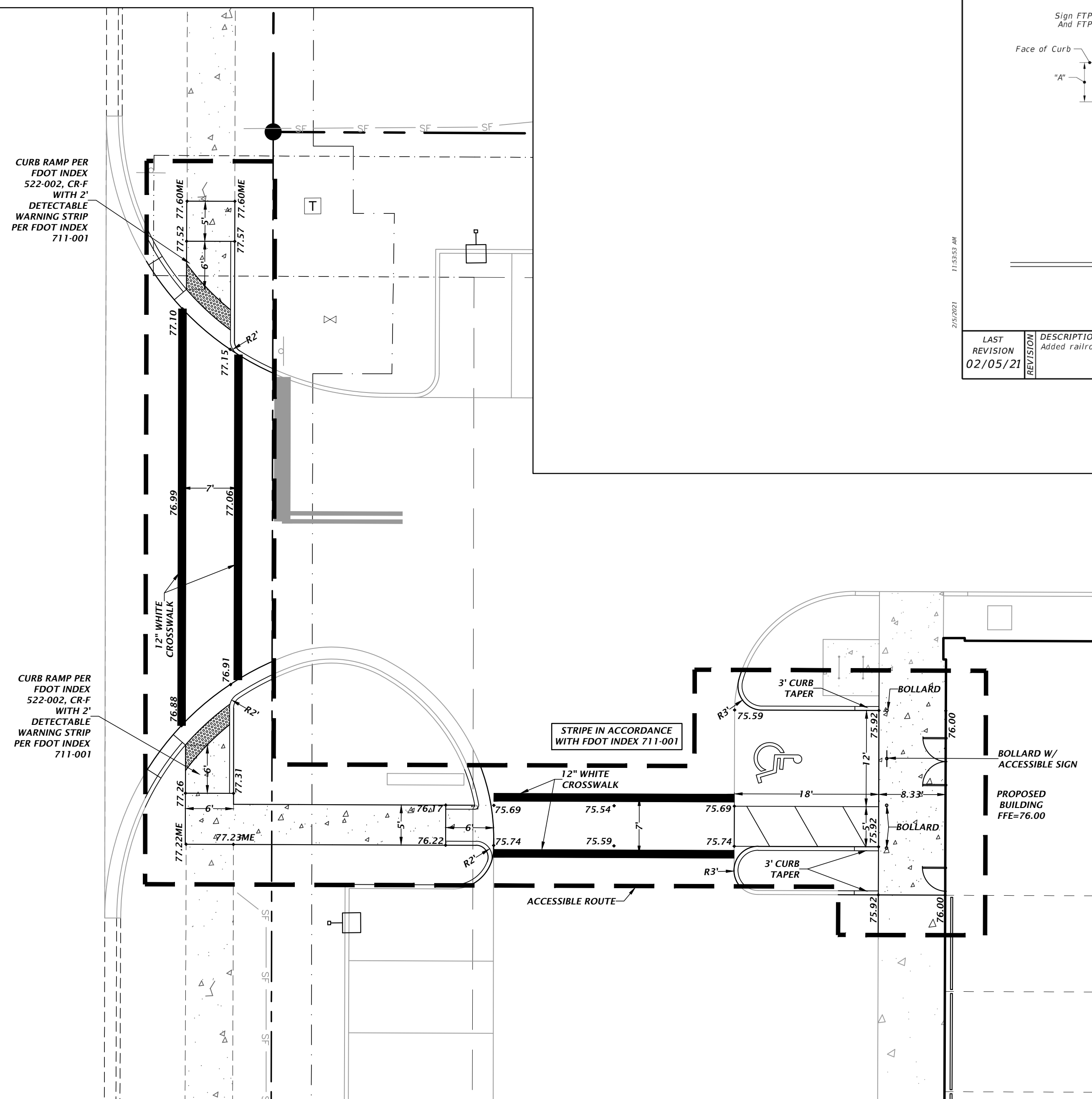
NOTES:
1) SEE SURVEY FOR BENCHMARK ELEVATIONS, LOCATIONS, AND DESCRIPTIONS.
2) CONTRACTOR SHALL REPAIR/RESTORE ANY DISTURBED AREAS TO EXISTING CONDITIONS OR BETTER.

CHW Professional Consultants		11801 Research Drive Alachua, Florida 32615 (352) 331-1976 www.chw-inc.com est. 1988 FLORIDA CA-5075	
DATE: 2/28/22	SCALE: 1"=20'	CONSTRUCTION REVISIONS	
CITY: 2/28/22 CITY OF ALACHUA, FDOT & SWMD	PROJECT: MAVIS DISCOUNT ALACHUA TIRE	SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN	
CLIENT: CONCEPT DEVELOPMENT, INC.	DESIGNER: N. COWART, P.E.	QUALITY CONTROL: D. YOUNG, P.E.	
PROJECT: MAVIS DISCOUNT ALACHUA TIRE	PROJECT NUMBER: 21-0395	SHEET NO. 70780	
DANIEL H. YOUNG		C1.10	



PIPE BOLLARD DETAIL

NTS



LAST REVISION
02/05/21

DESCRIPTION:
Added railroad pavement marking details.

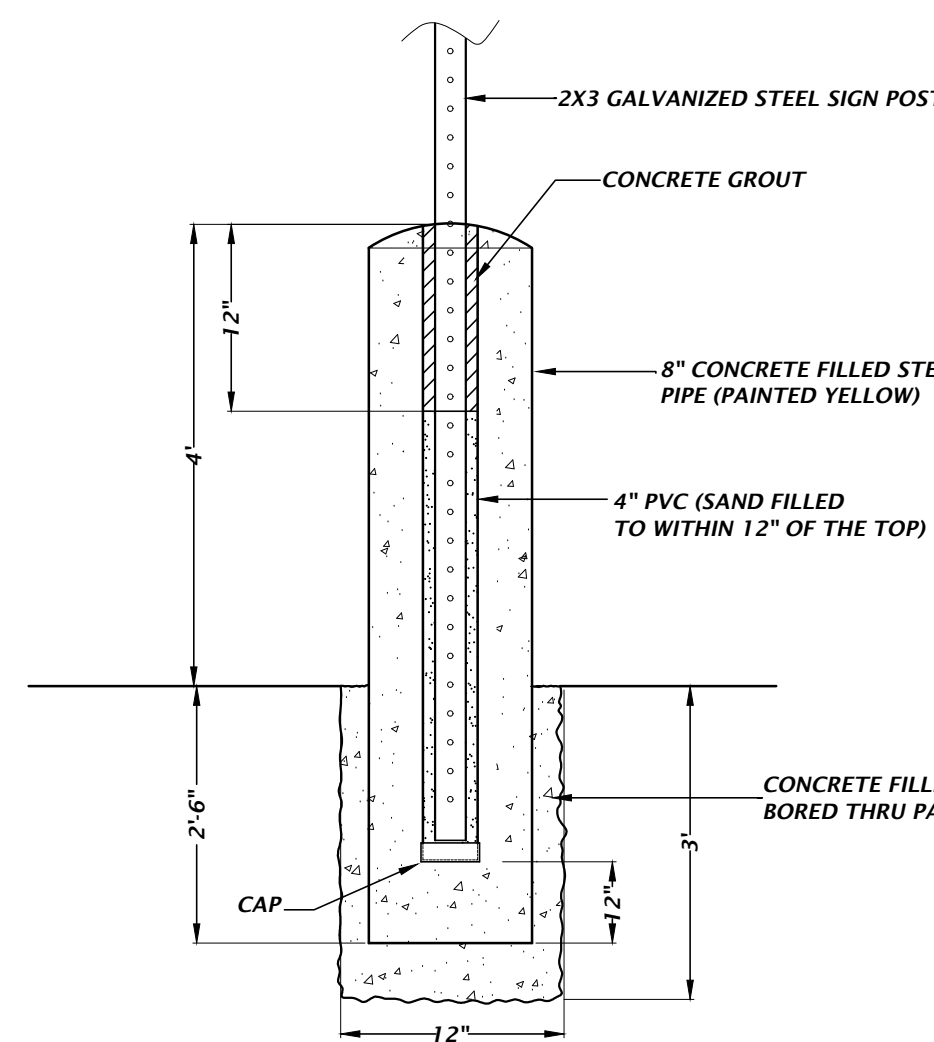
FDOT

FY 2021-22
STANDARD PLANS

PAVEMENT MARKINGS

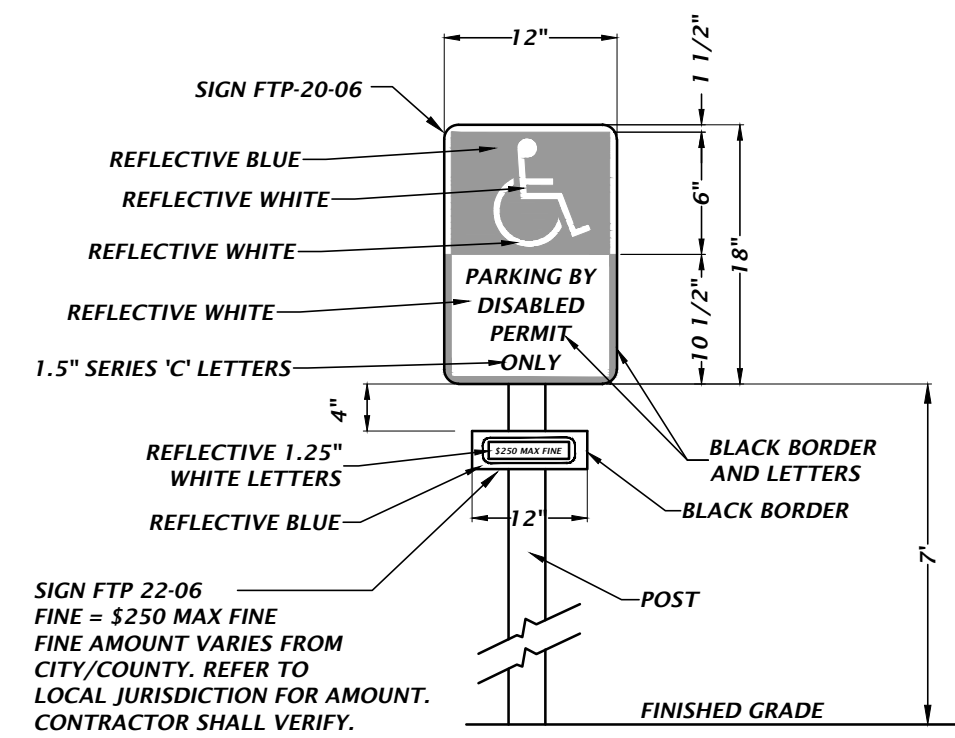
INDEX
711-001

SHEET
12 of 14



BOLLARD & ACCESSIBLE SIGN DETAIL

NTS



ACCESSIBLE PARKING SIGN DETAIL

NTS

- 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. Tint blue pavement markings to match color 15180 of Federal Standards 355a.
 5. Mount FTP-22-06 sign below the FTP-21-06 sign.
 6. 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.

UNIVERSAL SYMBOL OF ACCESSIBILITY

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SCALE
1"=20'
VERIFY SCALE
ON ORIGINAL DRAWING
DO NOT USE FOR
THIS SHEET. ADJUST
SCALES ACCORDINGLY.

CONSTRUCTION DIVISION

CLIENT
CONCEPT DEVELOPMENT, INC.
2/28/22 CITY OF ALACHUA, FDOT & SRWD
4/28/22 CITY OF ALACHUA

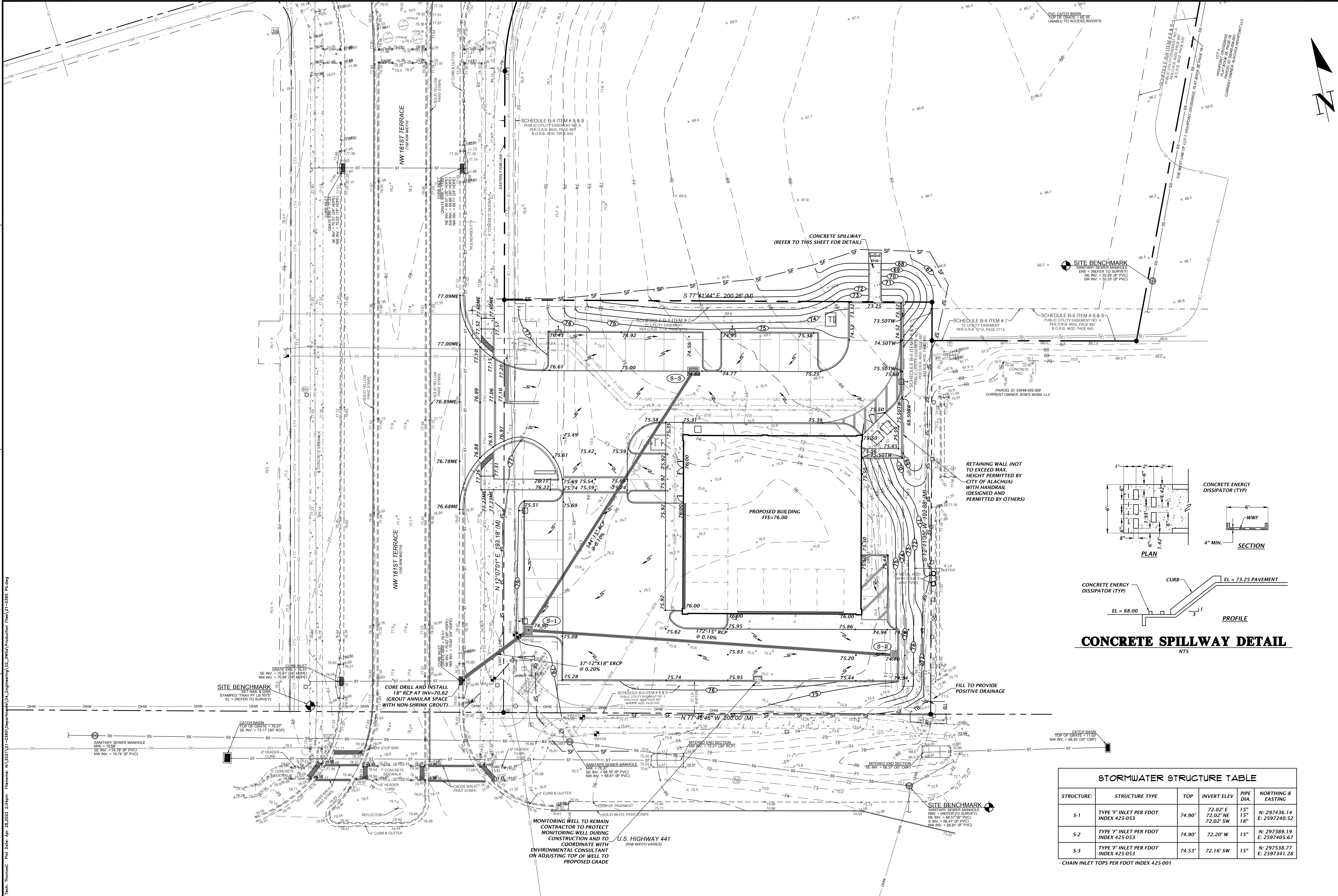
DESIGNER
T.E. COWART
PROJECT
N. COWART, P.E.
QUALITY CONTROL
D. YOUNG, P.E.
PROJECT NUMBER
21-0395

ACCESSIBLE SITE PLAN AND DETAILS

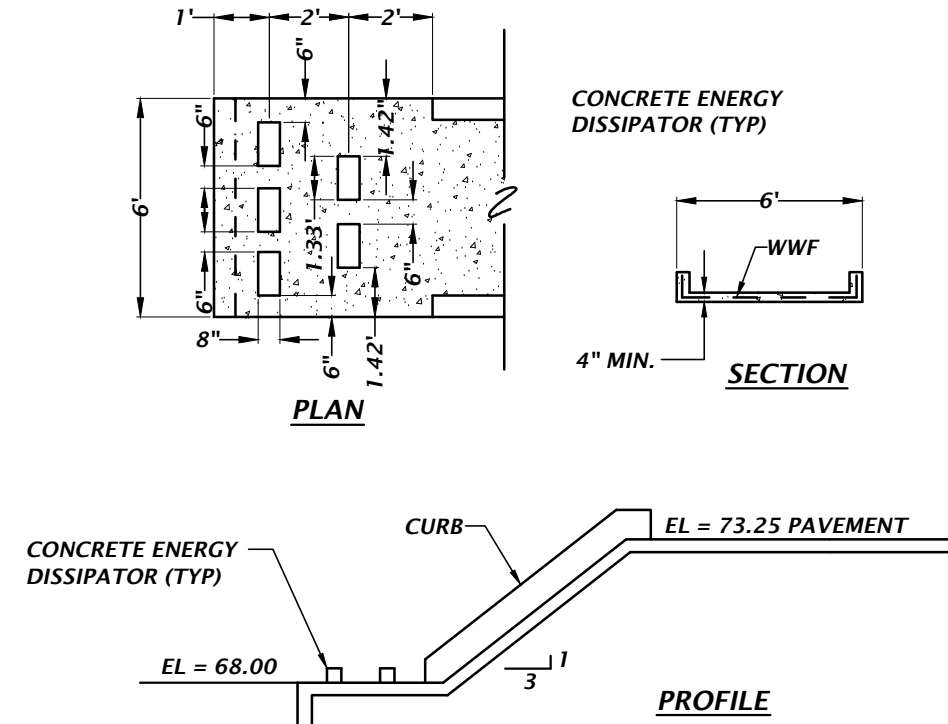
FL PE No. 70780

SHEET NO.
C1.20

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Title: Stormwater Management Plan
Date: April 28, 2022 11:41am
User: thomas



CONCRETE SPILLWAY DETAIL



STORMWATER STRUCTURE TABLE					
STRUCTURE:	STRUCTURE TYPE	TOP	INVERT ELEV	PIPE DIA.	NORTHING & EASTING
S-1	TYPE 'I' INLET PER FDOT INDEX 425-053	74.90'	72.02' E 72.02' NE 72.02' SW	15" 18" 18"	N: 297436.14 E: 2597240.52
S-2	TYPE 'I' INLET PER FDOT INDEX 425-053	74.90'	72.20' W	15"	N: 297389.19 E: 2597405.67
S-3	TYPE 'I' INLET PER FDOT INDEX 425-053	74.53'	72.16' SW	15"	N: 297538.77 E: 2597341.28

- CHAIN INLET TOPS PER FDOT INDEX 425-001

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1"=20'

VERTICAL SCALE
BASED ON
ORIGINAL DRAWING
HORIZONTAL SCALE
1"=40' SEE NOTES
THIS SHEET ADJUST
SCALES ACCORDINGLY

CONSTRUCTION AND DESIGN

2/28/22 CITY OF ALACHUA, FDOT & SWMD
4/28/22 CITY OF ALACHUA

CITY OF ALACHUA

CONCEPT DEVELOPMENT, INC.

PROJECT
MAVIS DISCOUNT ALACHUA TIRE

CLIENT
DANIEL H. YOUNG

DESIGNED BY
T.E. COWART

PROJECT
N. COWART, P.E.

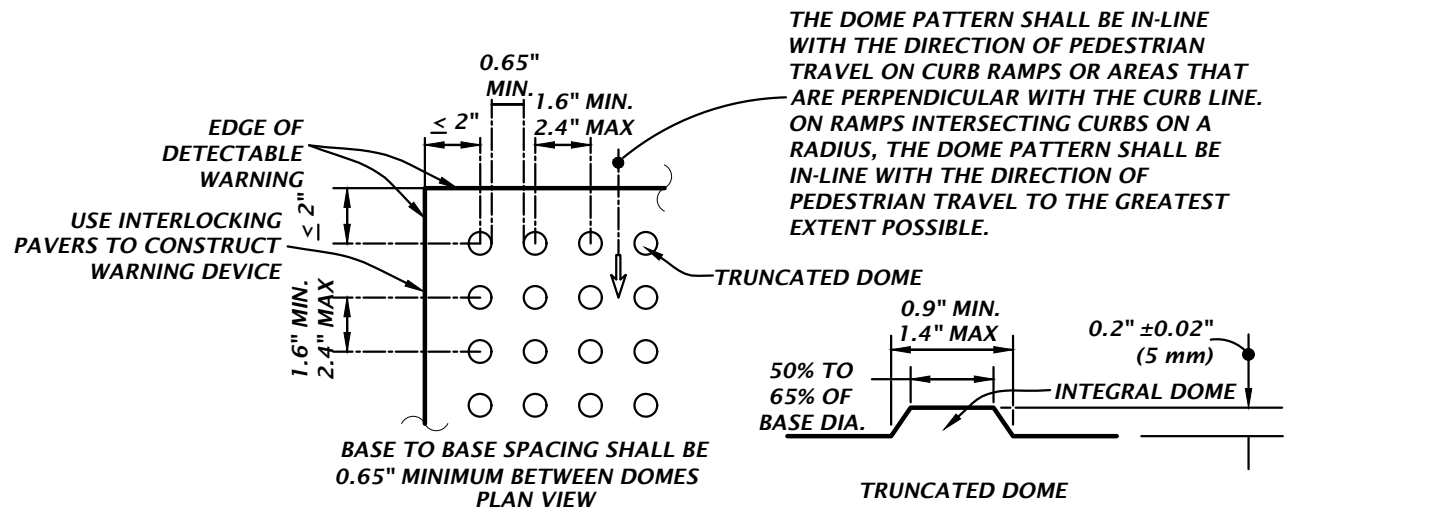
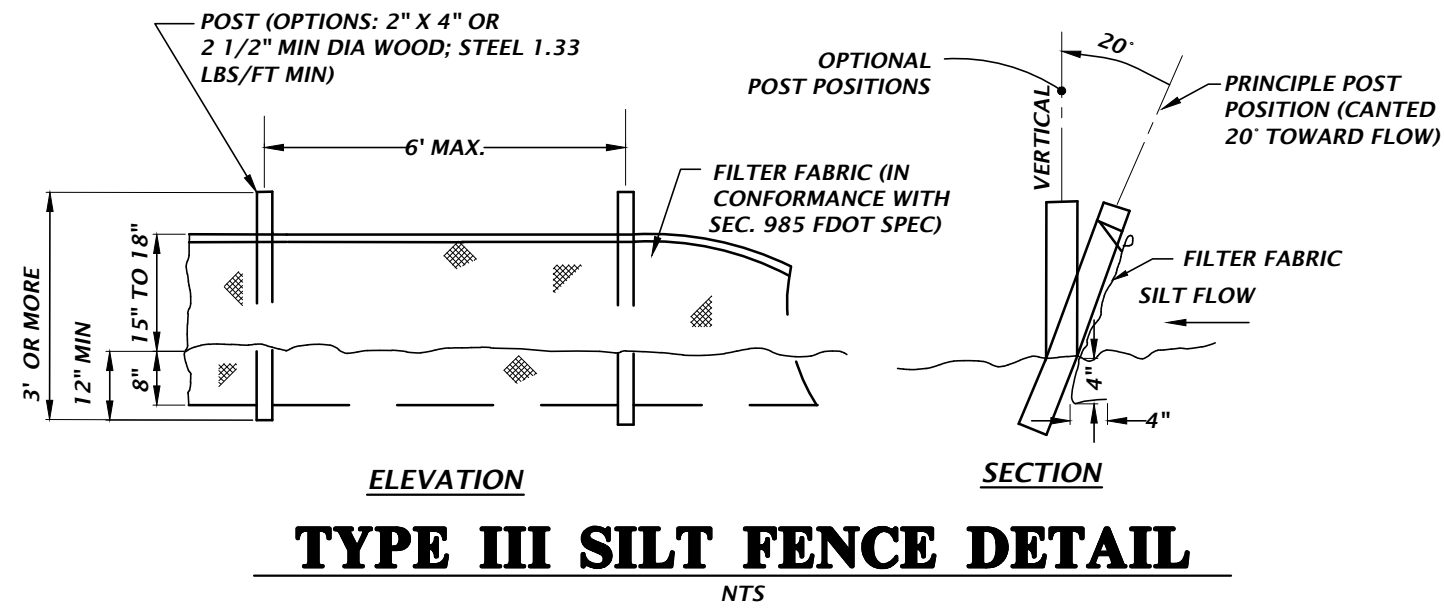
QUALITY CONTROL
D. YOUNG, P.E.

PROJECT NUMBER
21-0395

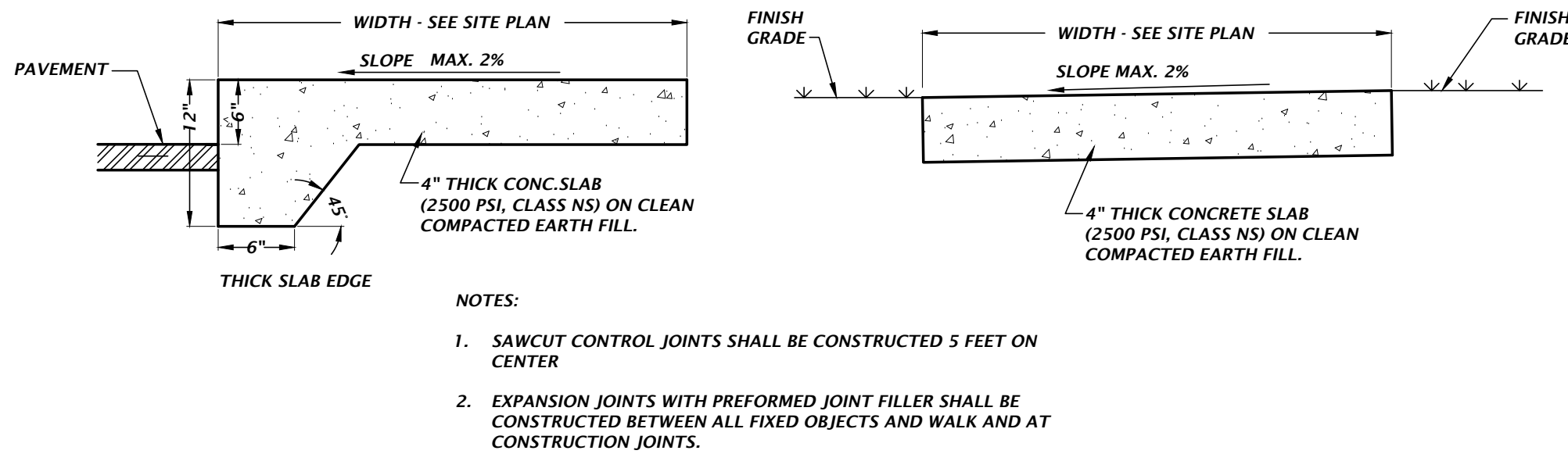
FL PE No. 70780

SHEET NO.

C2.10



- PROVIDE DETECTABLE WARNINGS IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) SECTION 705-DETECTABLE WARNINGS ON WALKING SURFACES AND THE 2017 FLORIDA BUILDING CODE, ACCESSIBILITY, CHAPTER 7, SECTION 705.
- RAISED TRUNCATED DOMES SHALL HAVE A BASE DIAMETER FROM 0.9" MIN TO 1.4" MAX, A TOP DIAMETER FROM 50% TO 65% OF BASE DIAMETER, A HEIGHT OF 0.2 INCH (5 mm) NOMINAL, CENTER-TO-CENTER SPACING FROM 1.6" MIN TO 2.4" MAX, AND BASE-TO-BASE SPACING OF 0.65" MINIMUM, MEASURED BETWEEN THE MOST ADJACENT DOMES ON A SQUARE GRID.
- SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.
- ALL SIDEWALK CURB RAMPS SHALL HAVE DETECTABLE WARNING SURFACES THAT EXTEND THE FULL WIDTH OF THE RAMP AND IN THE DIRECTION OF TRAVEL 24 INCHES.
- MATS ARE NOT ACCEPTABLE.
- PROVIDE INTERLOCKING PAVERS AS FOLLOWS:
 - A - DETECTABLE WARNING SURFACE FOR THE RAMPS SHALL CONSIST OF INTERLOCKING 4" X 8" ADA DETECTABLE WARNING SURFACE PAVERS HAVING A MINIMUM DEPTH OF 2". CONCRETE PAVERS ARE TO MEET ASTM C902 CLASS SX TYPE 1; AND BRICK PAVERS ARE TO MEET ASTM C55, GRADE N, SOLID BRICK COLOR TO MEET ADA CONTRAST REQUIREMENTS.
 - B - ALL UNITS SHALL BE SOUND AND FREE OF DEFECTS THAT WOULD INTERFERE WITH THE APPEARANCE OF PROPER PLACEMENT OF THE UNIT OR IMPAIR THE STRENGTH OR LONGEVITY OF THE FINAL STRUCTURE. ANY UNITS THAT ARE STRUCTURALLY DAMAGED DURING THE WORK SHALL BE IMMEDIATELY REMOVED AND REPLACED. THE PAVERS ARE TO BE LAID IN A TWO BY TWO BASKETWEAVE PATTERN, FLUSH WITH THE FINISH GRADE OF THE RAMP SURFACE, AND HAVE GAPS BETWEEN 1/16 AND 1/8 INCH. CUT PAVERS (MASONRY SAW ONLY) SHALL BE NO SMALLER THAN ONE-THIRD OF A WHOLE PAVES.
 - C - MODIFY FORMWORK OR PROVIDE FORMED GROUT INFILL BEHIND CURVED DROP CURB SECTIONS TO ENSURE STRAIGHT EDGE RESTRAINT FOR PAVERS.
 - D - CONCRETE EDGE RESTRAINT FOR WARNING AREA. MAXIMUM GAP OF 1/8" BETWEEN PAVERS AND EDGE. USE 1/4" RADIUS ALONG CONCRETE EDGES.
 - E - WHEN PAVERS ABUT EITHER EARTH/DIRT OR PAVEMENT, A SIX INCH CONCRETE BAND SHALL BE INSTALLED. BAND SHALL BE WITHIN LIMITS OF THE WIDTH OF PROPOSED CONCRETE AND NOT EXTENDED AN ADDITIONAL SIX INCHES.
- ALL MATERIALS/METHODS TO BE UTILIZED SHALL BE SUBMITTED FOR APPROVAL TO THE ENGINEER AND CITY OF ALACHUA PRIOR TO ORDERING THE MATERIALS/METHODS. FAILURE TO OBTAIN APPROVAL BEFORE ORDERING OR INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT CONTRACTOR'S EXPENSE. ENGINEER'S APPROVAL DOES NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY FOR THE PERFORMANCE OF THE ITEM.

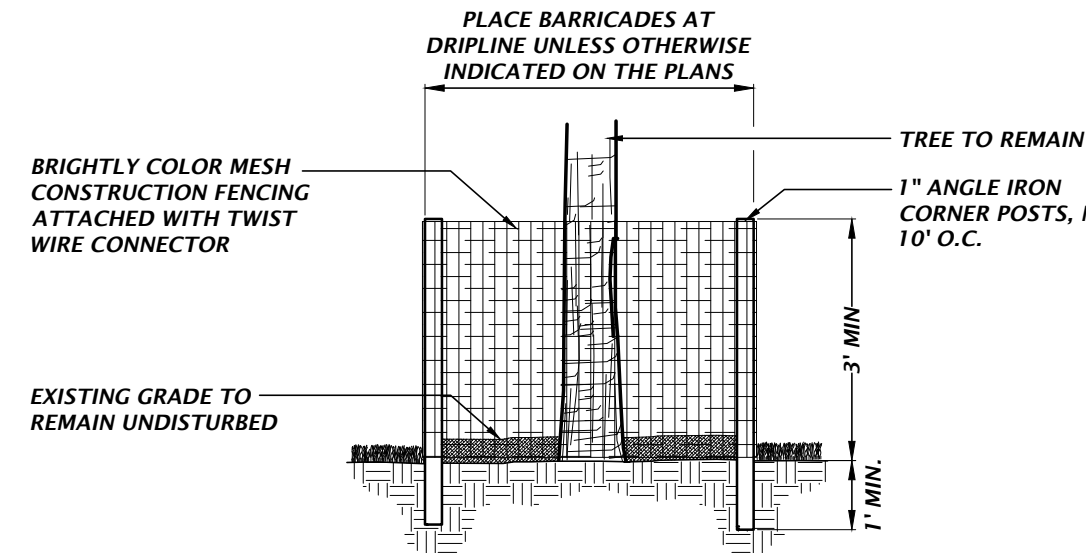
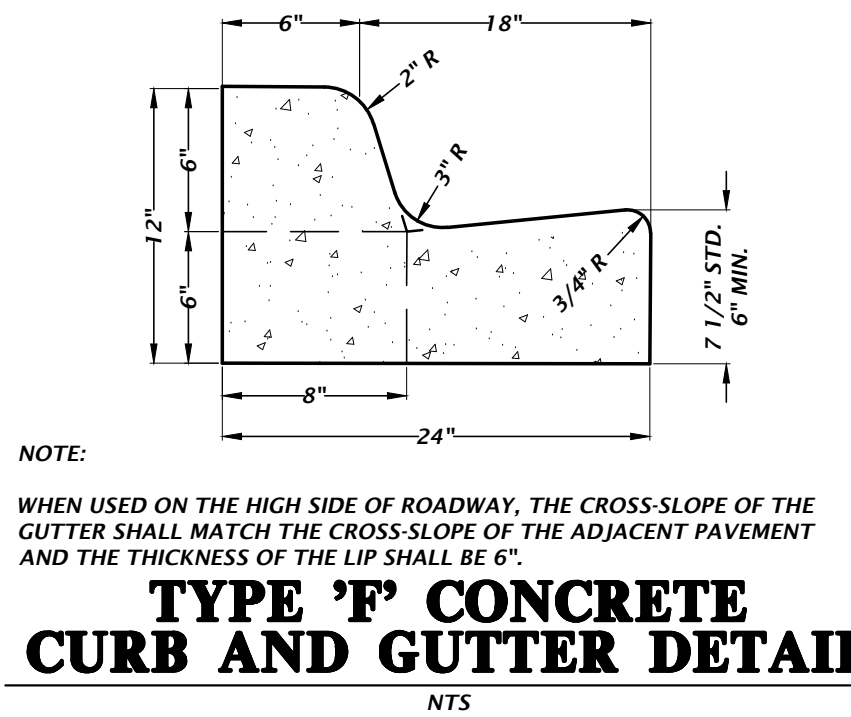
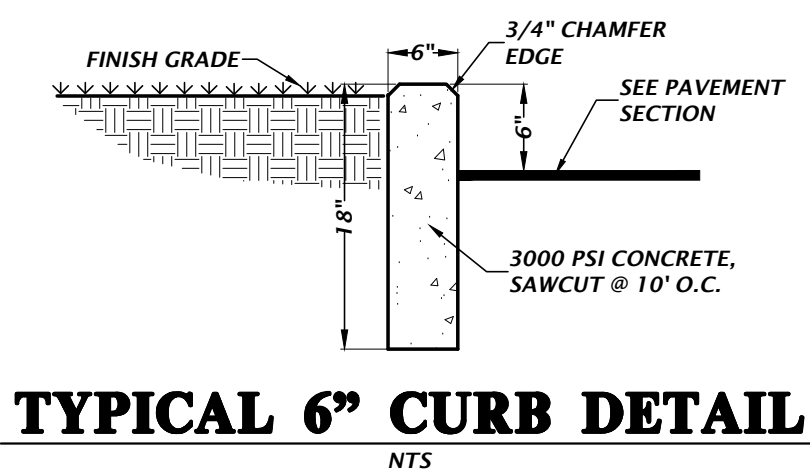
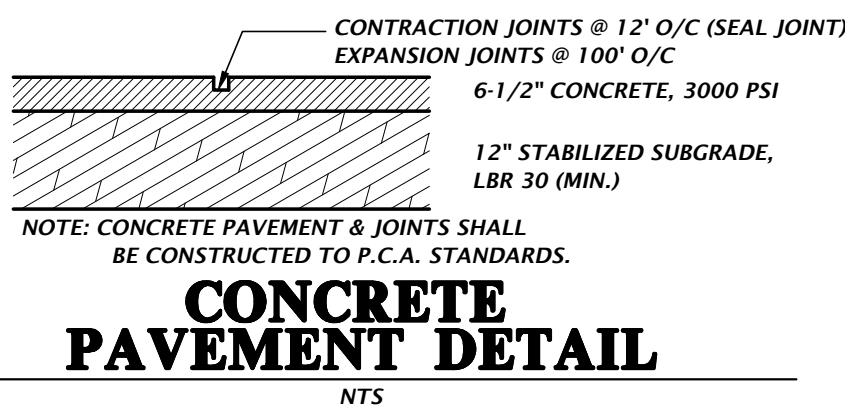
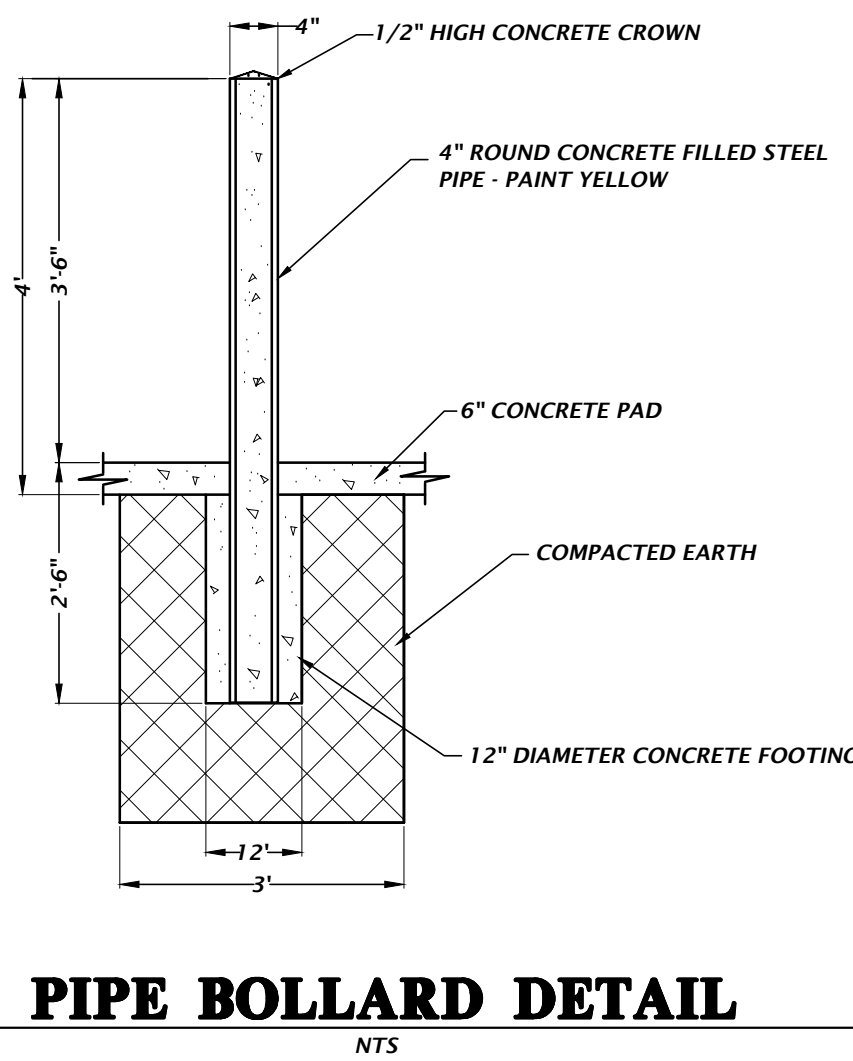
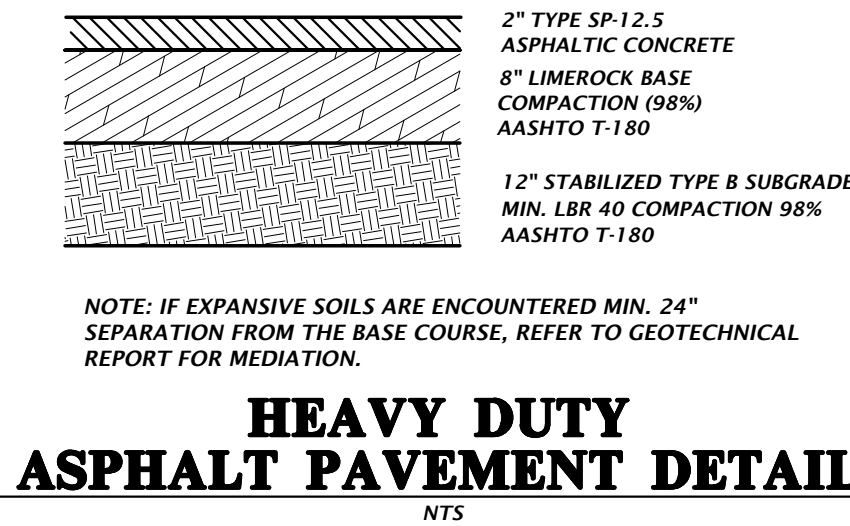
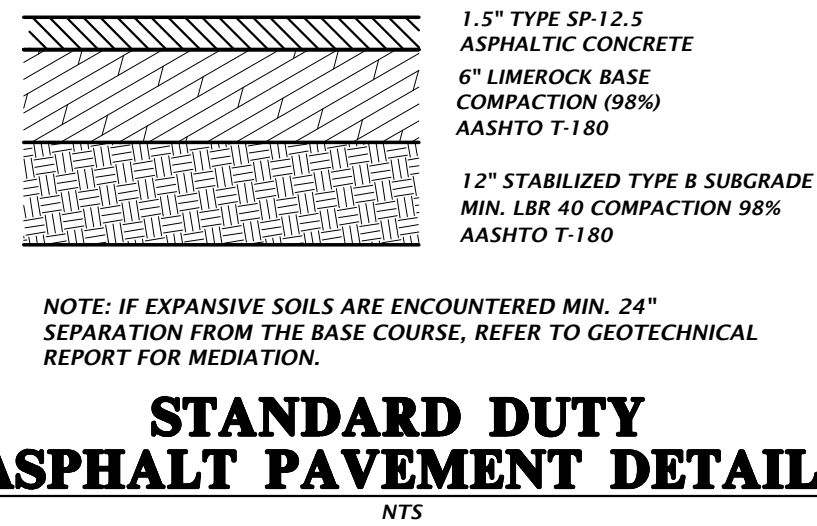
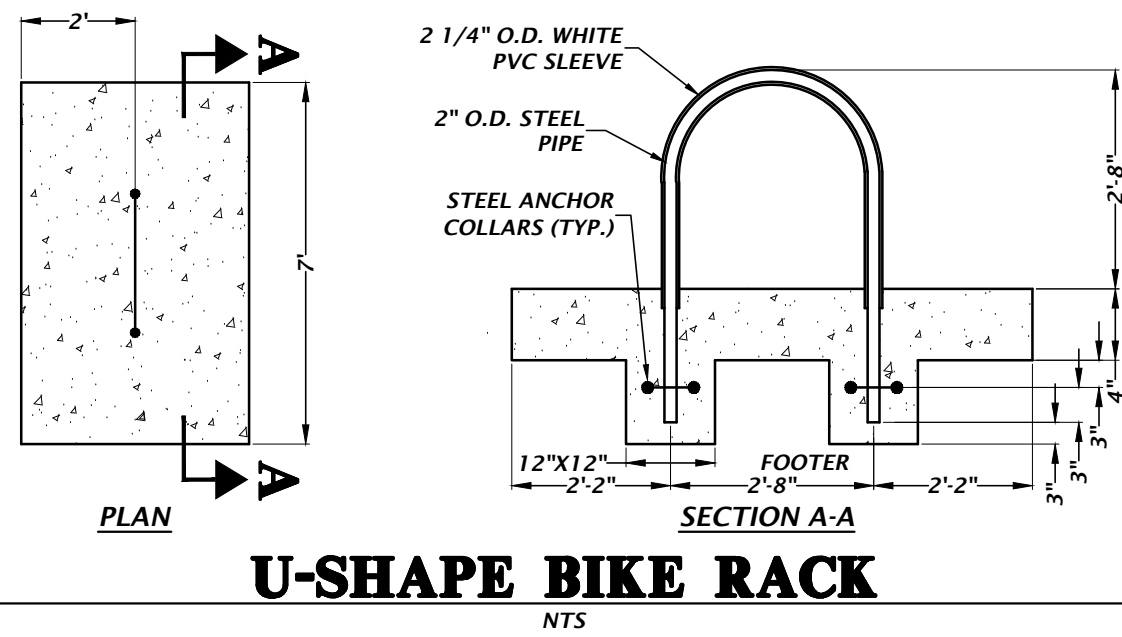


ADJACENT TO PAVEMENT NOT ADJACENT TO PAVEMENT

CONCRETE SIDEWALK DETAILS

403

ADA DETECTABLE WARNING



- 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 DESIGNER. 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.
 - 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.

TREE PROTECTION DETAIL

11801 Research Drive
Alachua, Florida 32615
(352) 351-1976
www.chw-inc.com

CHW
Professional Consultants

N/A
VERTICAL SCALE
BASED ON
ORIGINAL DRAWING
HORIZONTAL SCALE
BASED ON
THIS SHEET. ADJUST
SCALES ACCORDINGLY.

CONSTRUCTION IN PROGRESS

DATE: 2/28/22 CITY OF ALACHUA, FOOT & SWWD
4/28/22 CITY OF ALACHUA

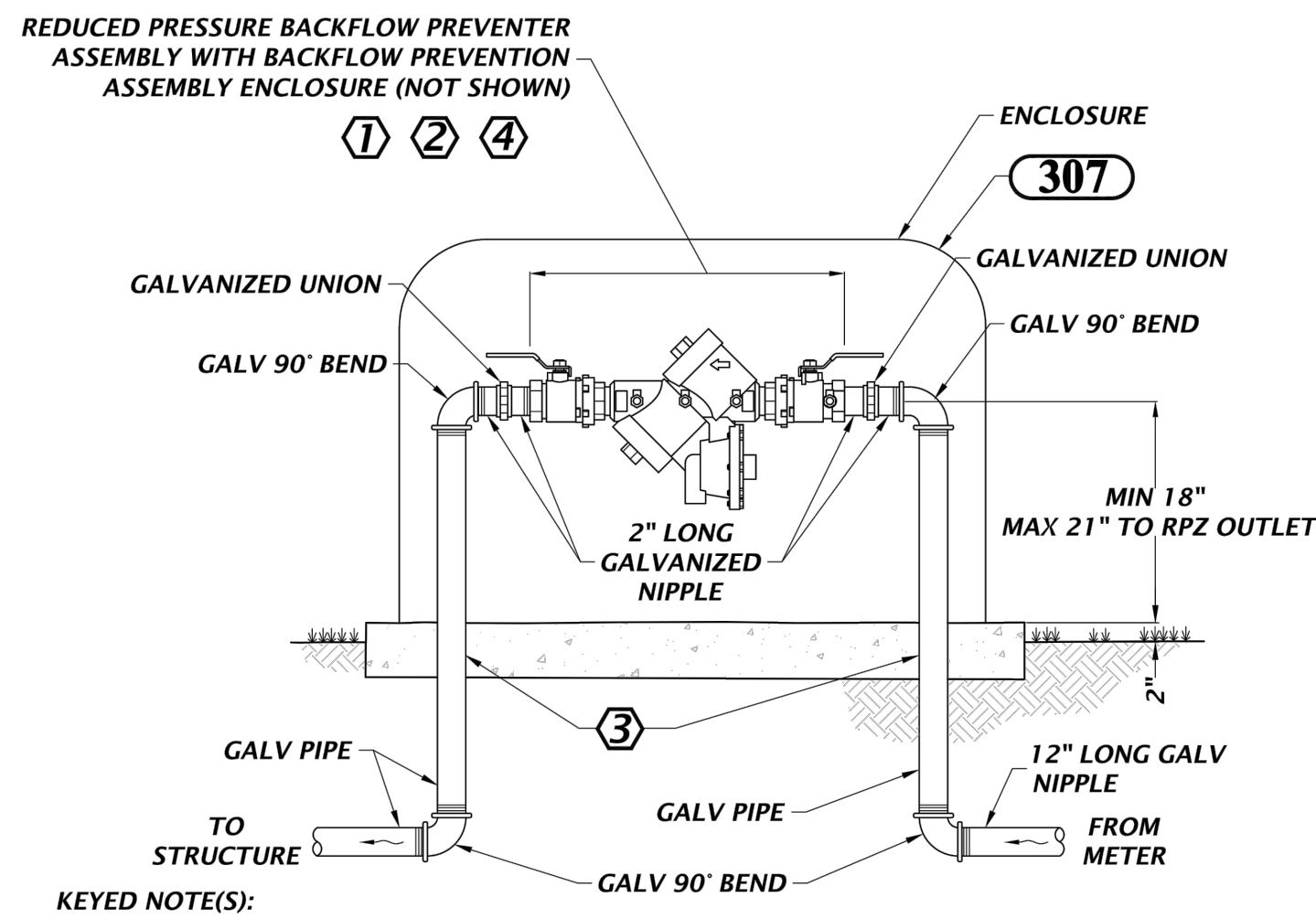
CLIENT: CONCEPT DEVELOPMENT, INC.
PROJECT: MAVIS DISCOUNT ALACHUA TIRE
SHEET TITLE: CONSTRUCTION DETAILS

DESIGNER: T.E. COWART
CHECKER: N. COWAP, P.E.
PROJECT NUMBER: 21-0395

DANIEL H. YOUNG

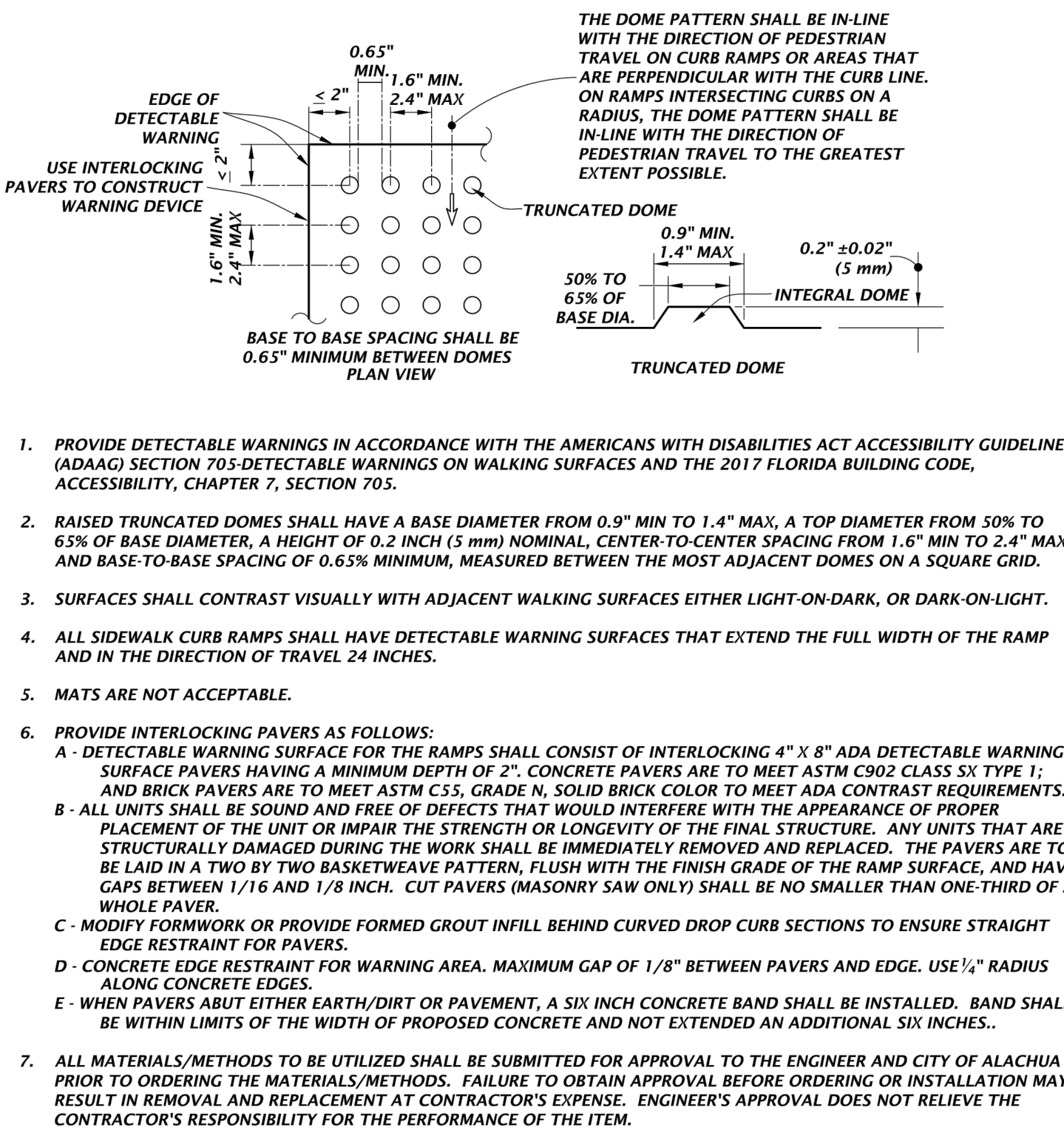
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SHEET NO. **C2.30**



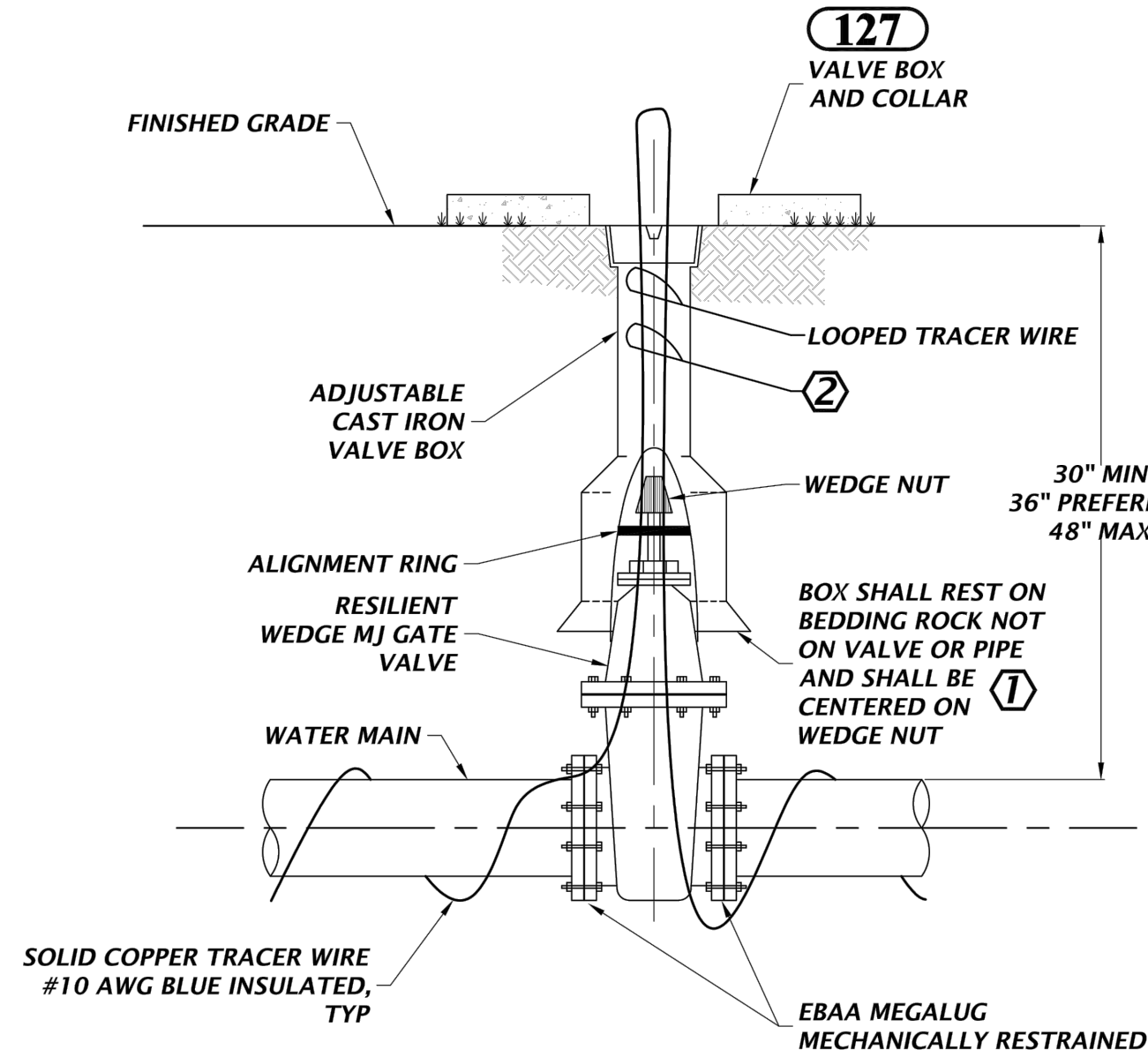
- KEYED NOTE(S):
- 1 PROVIDE BACKFLOW PREVENTION ASSEMBLY ENCLOSURE. COORDINATE WITH VENDOR TO SELECT ENCLOSURE SIZE SUITABLE FOR INSTALLED BACKFLOW PREVENTER ASSEMBLY.
 - 2 ENCLOSURE VENDOR AND FEATURES:
 - MARINE GRADE ALUMINUM
 - 1.5 INCH INSULATION, 9.0 R VALUE
 - MEANS TO ACCESS ASSEMBLY
 - LOCKABLE
 - MOUNTING HARDWARE
 - COLOR: TAN, UNLESS OTHERWISE NOTED.
 - VENDORS: SAFE T COVER, NASHVILLE, TN; OR EQUAL
 - 3 POUR CONCRETE PAD WITH DIMENSIONS AS PER VENDOR'S RECOMMENDATIONS. MINIMUM THICKNESS OF 4 INCHES.
 - PROVIDE SLEEVES AROUND PIPING
 - 4 BACKFLOW PREVENTER FURNISHED, INSTALLED AND MAINTAINED BY PROPERTY OWNER, NOT COA.

121 3/4" TO 2" BACKFLOW PREVENTER AND ENCLOSURE
NTS



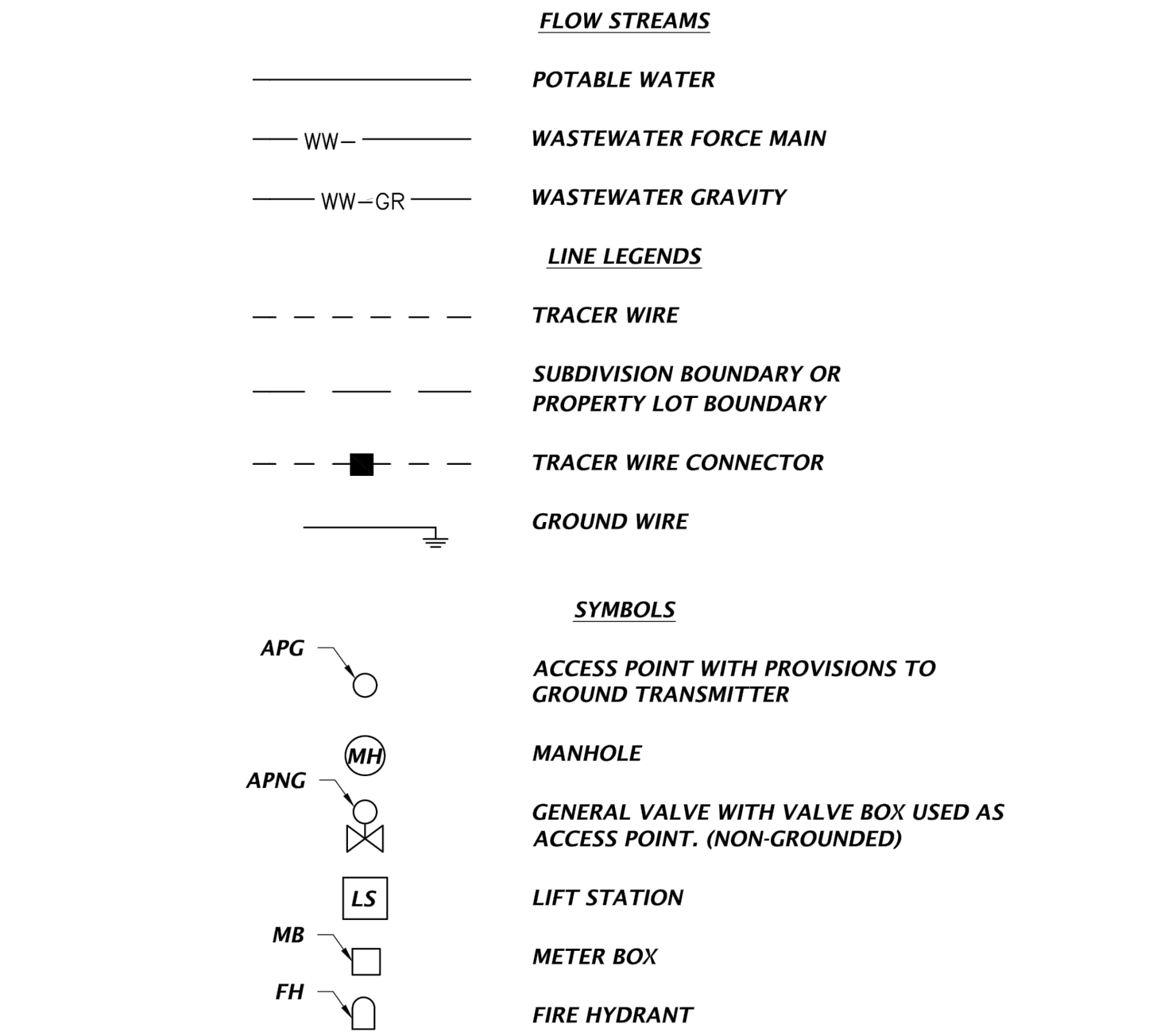
1. PROVIDE DETECTABLE WARNINGS IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) SECTION 705-DETECTABLE WARNINGS ON WALKING SURFACES AND THE 2017 FLORIDA BUILDING CODE, ACCESSIBILITY, CHAPTER 7, SECTION 705.
2. RAISED TRUNCATED DOMES SHALL HAVE A BASE DIAMETER FROM 0.9" MIN TO 1.4" MAX; A TOP DIAMETER FROM 50% TO 65% OF BASE DIAMETER, A HEIGHT OF 0.2 INCH (5 mm) NOMINAL, CENTER-TO-CENTER SPACING FROM 1.6" MIN TO 2.4" MAX; AND BASE-TO-BASE SPACING OF 0.65" MINIMUM, MEASURED BETWEEN THE MOST ADJACENT DOMES ON A SQUARE GRID.
3. SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.
4. ALL SIDEWALK CURB RAMPS SHALL HAVE DETECTABLE WARNING SURFACES THAT EXTEND THE FULL WIDTH OF THE RAMP AND IN THE DIRECTION OF TRAVEL 24 INCHES.
5. MATS ARE NOT ACCEPTABLE.
6. PROVIDE INTERLOCKING PAVERS AS FOLLOWS:
 - A - DETECTABLE WARNING SURFACE FOR THE RAMPS SHALL CONSIST OF INTERLOCKING 4" X 8" ADA DETECTABLE WARNING SURFACE PAVERS HAVING A MINIMUM DEPTH OF 2". CONCRETE PAVERS ARE TO MEET ASTM C902 CLASS SX TYPE 1; AND BRICK PAVERS ARE TO MEET ASTM C33, GRADE N, SOLID BRICK COLOR TO MEET ADA CONTRAST REQUIREMENTS.
 - B - ALL UNITS SHALL BE SOUND AND FREE OF DEFECTS THAT WOULD INTERFERE WITH THE APPEARANCE OF PROPER PLACEMENT OF THE UNIT OR IMPAIR THE STRENGTH OR LONGEVITY OF THE FINAL STRUCTURE. ANY UNITS THAT ARE STRUCTURALLY DAMAGED DURING THE WORK SHALL BE IMMEDIATELY REMOVED AND REPLACED. THE PAVERS ARE TO BE LAID IN A TWO BY TWO BASKETWEAVE PATTERN, FLUSH WITH THE FINISH GRADE OF THE RAMP SURFACE, AND HAVE GAPS BETWEEN 1/16 AND 1/8 INCH. CUT PAVERS (MASONRY SAW ONLY) SHALL BE NO SMALLER THAN ONE-THIRD OF A WHOLE PAVES.
 - C - MODIFY FORMWORK OR PROVIDE FORMED GROUT INFILL BEHIND CURVED DROP CURB SECTIONS TO ENSURE STRAIGHT EDGE RESTRAINT FOR PAVERS.
 - D - CONCRETE EDGE RESTRAINT FOR WARNING AREA. MAXIMUM GAP OF 1/8" BETWEEN PAVERS AND EDGE. USE 1/4" RADIUS ALONG CONCRETE EDGES.
 - E - WHEN PAVERS ADJUT EITHER EARTH/DIRT OR PAVEMENT, A SIX INCH CONCRETE BAND SHALL BE INSTALLED. BAND SHALL BE WITHIN LIMITS OF THE WIDTH OF PROPOSED CONCRETE AND NOT EXTENDED AN ADDITIONAL SIX INCHES.
7. ALL MATERIALS/METHODS TO BE UTILIZED SHALL BE SUBMITTED FOR APPROVAL TO THE ENGINEER AND CITY OF ALACHUA PRIOR TO ORDERING THE MATERIALS/METHODS. FAILURE TO OBTAIN APPROVAL BEFORE ORDERING OR INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT CONTRACTOR'S EXPENSE. ENGINEER'S APPROVAL DOES NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY FOR THE PERFORMANCE OF THE ITEM.

403 ADA DETECTABLE WARNING
NTS



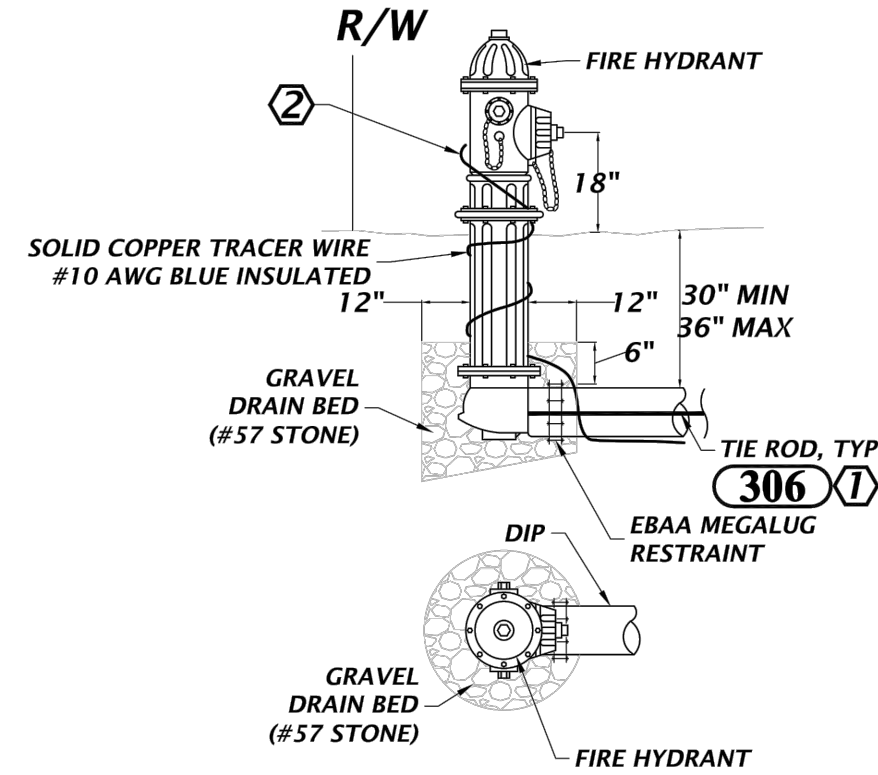
- GENERAL NOTE(S):
1. PVC EXTENSIONS SHALL NOT BE USED ON VALVE BOX INSTALLATION.
 2. VALVE BOX LID TO BE LETTERED WITH THE WORD "WATER" OR "RECLAIMED".
- KEYED NOTE(S):
- 1 WHEN VALVE BOX IS TO BE INSTALLED IN ROADWAY OR OTHER TRAFFIC AREAS SET VALVE BOX ON FIVE (5) SOLID COMMON BRICKS.
 - 2 VALVE BOX MAY SERVE AS ACCESS POINT FOR TRACER WIRES. PROVIDE ENOUGH LOOPED TRACER WIRE SO IT CAN EXTEND 8-INCHES ABOVE GRADE.

145 GATE VALVE FOR WATER AND RECLAIMED WATER MAINS 4" OR LARGER
NTS



- GENERAL NOTE(S):
1. RIGHT-OF-WAY AND PUBLIC UTILITY EASEMENTS NOT SHOWN.
 2. THESE CONFIGURATION DETAILS DO NOT STAND ALONE. SEE RELATED TRACER WIRE DETAILS.
 3. TRACER WIRE CONNECTORS SHALL BE PRO-LINE TRACER-LOCK CONNECTORS, PART #TL-LUG-S5.
 4. TRACER WIRE REQUIRED FOR BOTH DUCTILE IRON AND PVC PIPE.

321A TRACER WIRE CONFIGURATION: LEGENDS AND ABBREVIATIONS
NTS



- GENERAL NOTE(S):
1. RESTRAIN MINIMUM OF 58" OF PIPE.
- KEYED NOTE(S):
- 1 PROVIDE TIE RODS FOR DUAL RESTRAINT AND AS PER (306).
 - 2 EXTEND TRACER WIRE AT LEAST 8-INCHES ABOVE GRADE.

100 FIRE HYDRANT (DEAD END)
NTS



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CA-5075

CHW
Professional Consultants

N/A
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1" = 1' NOT ONE INCH ON
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SCALES ACCORDINGLY.

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QUALITY CONTROL: D. YOUNG, P.E.
PROJECT NUMBER: 21-0395

DANIEL H. YOUNG

FL PE No. 70780
SHEET NO.

C2.32