GENERAL NOTES

1. Location, elevation, and dimensions of the existing utilities, structures, and other features are shown in accordance with the best information available at time of the preparation of these plans but do not claim to be absolutely correct.
2. The contractor shall verify the location, elevation, and dimensions of all existing utilities, structures, and other features affecting his work and shall comply with all state, county, and local ordinances and obtain any necessary work permits that may be required prior to construction.
3. Utilities to be adjusted by utility owners. Contractor is responsible for all utilities coordination.
4. The contractor shall provide at least 48 hours notice to the various utility companies in order to permit the relocation of the existing underground utilities in advance of construction. Contact Sunshine State One Utilities Notification Center at 1-800-432-4770.
5. The contractor shall comply with the provisions of the Polk County Land Development Code regarding tree removal, site clearing and land alteration regulations.
6. The contractor shall be responsible for the maintenance of the existing drainage system within the limits of the project area, for the duration of the project. No additional payment will be made for the work involved.
7. Maintenance of traffic will be the responsibility of the contractor. The contractor shall maintain traffic utilizing FDOT Standard Specification Section 102 and FDOT Roadway and Traffic Design Standard, Index Series 600
8. Elevations shown on the plans reference the North Geodetic Vertical Datum of 1988 (N.A.V.D. - 1988)
9. The contractor shall be responsible for the removal of all excess material and the proper disposal of the same.
10. The contractor shall install and maintain erosion control barriers as required by actual site conditions and as directed by the engineer. Their locations will be adjusted to reflect project phasing requirements and they will be removed when no longer required. The maintenance of erosion control devices and their complete removal are to be included in the unit bid price for each individual item.
11. Unless otherwise specified in the contract documents, the contractor shall provide suitable borrow material, approved by the engineer, and install said material in accordance with the plans and specifications.
12. The Project surveyor shall provide Bench mark and Coordinate Control points for the contractor. The contractor shall supply points for line and grade. The contractor shall be responsible for the complete stake-out of the Project, elect./cable/tel., line, grade, slope staking, maintenance of staking. And any restaking that may be required to complete the project in accordance with the plans and specifications. Any and all expenses incurred for this work shall be included in the unit price bid for applicable items. No additional payment shall be made for this work.
13. Overall clean up shall be accomplished by the contractor in accordance with County Standards or as directed by the engineer. Any and all expenses incurred for this work shall be included in the unit price bid for the applicable line items.
14. The contractor shall endeavor to protect private property. Any damage caused by the contractor in the performance of his work shall be corrected to the satisfaction of the engineer at the contractor's expense. Payment shall not be made for this work.
15. Any damage to state, county, or local roads caused by the contractor's hauling or excavation equipment shall be repaired by the contractor to the satisfaction of the Project Engineer. Payment shall not be made for this work.
16. Any U.S.C. and G.S. Monument within limits of construction is to be protected. If in danger of damage, the contractor should notify.
    Geodetic Information Center
    Attn.: Mark Maintenance Center
    Attn.: N/CG-162
    6001 Executive Blvd.
    Rockville, Maryland 20852
    (301) 443-8319
17. The contractor(s) performing trench excavation on this contract, shall comply with the Occupational Safety and Health Administration's (ASHA) Trench Excavation Safety Standards, 29 C.F.R., S.1926.650, Subpart P, including all subsequent revisions or updates to the standards as adopted by the Department of Labor and Employment Security (DLES).
18. Unless otherwise specified in the plans, existing sod, disturbed by construction, shall be replaced in kind (or better, as approved by the engineer.)
19. Materials and construction to be in accordance with the FDOT Standard Specifications for Road and Bridge Construction, latest edition using English System.
20. Refer to Survey prepared by Base Line Land Survey, Inc. dated February 9, 2022; Project No. Davenport P.O., for complete Topographical and Boundary Survey.
21. Refer to Survey for additional existing information located outside of Project Vicinity (~25 ft from proposed project improvements).
22. All wells located on the site shall be abandoned by a Florida Licensed Well Contractor in accordnace with Rule 40D-3.531(2), F.A.C.

SITE DATA:	
TOTAL PROJECT SIZE	1.10 ACRES
TOTAL EXISTING IMPERVIOUS	1.98 ACRES
TOTAL PROPOSED IMPERVIOUS	1.10 ACRES
TOTAL PROPOSED PERVIOUS	2.36 ACRES
TOTAL PROPOSED POND	1.81 ACRES
TOTAL PRE AND POST AREA ONSITE DRAINING AWAY	2.33 ACRES
TOTAL PARCEL SIZE	9.58 ACRES
EXISTING ZONING	POST OFFICE

STORM WATER NOTES

1. SWFMWD ERP MODIFICATION WILL BE REQUIRED AND IS NOT OBTAINED AS OF JUNE 16, 2022. PROJECT IS DEMONSTRATING THAT THE EXPANDING EXISTING POND CAN HANDLE THE INCREASE OF IMPERVIOUS AREA.
2. SOD SHALL BE PLACED IN ALL AREAS IN THE PROJECT LIMITS OUTSIDE THE PARKING & BUILDING AREA.
3. MAXIMUM OF 1:4 SIDE SLOPES FOR SHALLOW SWALE AREAS.
4. FEMA FIRM FLOOD INSURANCE RATE COMMUNITY PANEL 12105C0240G; DATED 12-22-16; ZONE X
5. CONTRACTOR SHALL MAKE ALL PRACTICAL EFFORTS TO PROTECT AGAINST WIND AND STORMWATER RUNOFF EROSION CONTROL DURING CONSTRUCTION BY USE OF BALED HAY AND/OR SILT SCREENS. REFER TO FDOT STANDARD INDEX NO'S 102 AND 103.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY STORMWATER CONVEYANCE SYSTEMS AS NECESSARY TO PREVENT IMPACTS TO EXISTING OFF-SITE FACILITIES.

SITE NOTES

1. Total Acres: 9.58 Acres
2. Zoned: See Table Below
3. Floodplain designation "X".
4. The site plan shall be in compliance with Article X, of Chapter 27 Zoning Codes.
5. Additional handicap spaces shall be provided for handicap tenants on an as needed basis per the Americans with Disabilities Act.
6. All existing wells onsite shall be properly abandoned by a well contractor, licensed in the State of Florida, in accordance with the SWFWMD rules and regulations.

Legal Description:

Tracts 23 and 24, in the NW ¼ of Section 10, Township 27 S., Range 27 East, of MAP OF FLORIDA DEVELOPMENT TRACT, less existing road right of way, according to the map or plat thereof recorded in Plat Book 3, Pages 60 through 63, of the public records of Polk County, Florida, all more fully described as follows: Begin at the Northeast corner of said Tract 24, the same being the Northeast corner of the Southeast ¼ of the Northwest ¼ of Section 10, Township 27 S., Range 27 East, run thence S 89 deg. 54'44" West, along the North line of said Southeast ¼ of Northwest ¼ a distance of 667.06 feet to the Northwest of said Tract 23, run thence S 0 deg. 05'02" East, along the West boundary of said Tract 23 a distance of 666.36 feet to the Southwest corner of said Tract 23, run thence N 89 deg. 47'52" East, along the South boundary of said Tracts 23 and 24 a distance of 666.10 feet to the Southeast corner of said Tract 24, run thence North along the East boundary of said Tract 24 a distance 665.03 feet to the point of beginning, being subject to road right of way dedication by Map of Florida Development Company Tract Plat across the entire North and East 15.0 feet thereof and subject to an additional 10 foot right of way easement across the West 10.0 feet of the East 25.0 feet of Tract 24 as granted to County of Polk by easement recorded in O.R. Book 1098, Page 791, of the public records Polk County, Florida.

Containing 9.58 acres, more or less.

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

Contained on these plans and within the following notes is a Storm Water Pollution Prevention Plan (The Plan) which has been developed by Advantage Engineering, Inc. 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": Advantage Engineering, Inc., 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 storm water management controls to assure compliance with the NPDES General Permit for Storm Water Discharges from Construction Activities, the South Florida Water Management District Permit, the applicable local governing agency (i.e. Lee County and the guidelines listed in the SWPPP. The duties and responsibilities of the team members, as they pertain to the SWPPP are as follows:

A. Develop Storm Water Pollution Prevention Plan (SWPPP) 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 and the following notes and instructions.

B. Submit and obtain the necessary design related storm water permits from the Florida Department or Environmental Protection, the Southwest Florida Water Management District end other applicable governmental bodies.

C. Upon notification by the developer of his intent to commence construction, submit a Notice of Intent to the Environmental Protection Agency on behalf of the developer and the contractor. Also, submit a copy of the SFWMD permit or completeness letter if the permit is not yet available. This submittal, will be made no later than 48 hours prior to beginning of construction.

D. Submit to SFWMD and the operator of the municipal separate storm water system, if applicable, a letter of construction commencement.

E. Complete and submit a Notice of Termination and certification for developer end contractor. The NOT's shall be submitted no more than 30 days after

(a) completion of the project and final stabilization of the site or
(b) when responsibility for the site has ended. Final stabilization as defined by EPA is when all soil disturbing activities at the site have been completed and a uniform (e.g. evenly distributed, without large bare areas) perennial vegetative cover with a density of 70% of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures. As an alternative, equivalent permanent stabilization measures (such as riprap, gabions, or geotextiles) may be employed. Both the client and contractor shall notify Advantage Engineering, Inc. when one of these criteria has been met.

PROJECT INFORMATION (SWPPP)

1. Project type: POST OFFICE

2. Anticipated construction sequence is as follows:
   1. Complete erosion control installation
   2. Clearing and grubbing
   3. Earthwork activities
   4. Storm water system construction
   5. Utility construction
   6. Base and pavement construction
   7. Final stabilization

The BMP's listed in Part D of the Contractor section of the SWPPP shall be considered during all phases of construction.

3. Anticipated start date: SEPT 2022
4. Anticipated completion date: JUNE 2023
5. Total acres disturbed: ~2.2 AC.
6. Pre-developed "CN" factor: 39
7. Post-developed "CN" factor: ~79 (Average for site)
8. The storm water management system, upon completion of construction and
9. The potential source of pollution from this project is on-site development and construction activity.
10. Does the project discharge into a water body listed on the 1998 EPA approved 303(d) list for water segments which are impaired due to total suspended solids? ____Yes __X__ No

Contractor (SWPPP)

A. Sign and return to Advantage Engineering, Inc. a Notice of Intent and a Certification of Storm Water Pollution Prevention Plan no later than 48 hours prior to commencement of construction. Copy Advantage Engineering, Inc. and the developer on the NOI permit when received. Also, each subcontractor affected by the SWPPP must certify to the contractor that they understand and shall comply with the NPDES permit and SWPPP. A record of these certifications shall be maintained by the contractor on site.

B. During construction, assure compliance with the designed Storm Water Pollution Prevention Plans prepared by Advantage Engineering, Inc. and the NPDES General Permit for Storm Water Discharges from Construction Activities.

C. Maintain a copy of the construction plans, which include the Storm Water Pollution Prevention Plan both NOI's and all inspection reports and certifications on site.

D. Undertake all reasonable Best Management Practices (BMP's) to assure that silted or otherwise polluted storm water is not allowed to discharge from the site during all phases of construction. Stabilization BMP's that may be used include: temporary or permanent seeding, mulching, geotextiles, sodding, vegetative buffer strips, protection of trees and preservation of mature vegetation. Structural erosion and sediment control BMP's that may be used include: straw bale dikes, silt fences, earth dikes, brush barriers, drainage swales, check dams, subsurface drain, pipe slope drain, level spreaders, storm drain inlet protection, outlet protection, sediment traps, and temporary sediment basins. Detention ponds may also be used as temporary sediment basins. Additional BMP's that may need to be implemented include: providing protected storage areas for chemicals, paints, solvents, fertilizers, and other potentially toxic materials. Providing waste receptacles at convenient locations and providing regular collection of wastes, including building material wastes. Minimizing off-site tracking of sediments. Making adequate preparations, including training and equipment to contain spills of oil and hazardous materials. Complying with applicable state or local waste disposal, sanitary sewer or septic system regulations and the use of appropriate pollution prevention measures for allowable non-storm water components of discharge.

E. Notify Advantage Engineering, Inc. and the developer in writing of any non-storm water 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.

F. Develop a maintenance and inspection plan which includes, but is not limited to the following:

   A. The specific areas to be inspected and maintained that includes all the disturbed areas and material storage areas of the site.

   B. The erosion and sediment controls identified in the SWPPP to be maintained and inspected and those additional controls that the contractor deems necessary.

   C. Maintenance procedures.

   D. The procedure to follow if additional work is required or whom to call.

   E. Inspections and maintenance forms.

   F. The personnel assigned to each task.

The following shall be inspected a minimum of once a week or within 24 hours after 0.25 inches of rainfall:
Stabilization measures (once a month if fully stabilized).
Structural controls.
Discharge points.
Construction entrances and exits.
Areas used for storage of exposed materials.

An inspection form shall be completed for each inspection. Any permit violations should be noted and corrective measures to be taken shall be noted. If revisions to the SWPPP are needed, a report form for changes in the SWPPP shall be completed and a copy sent to Advantage Engineering, Inc. The original shall be kept on-site as documentation of the change. If the inspection passes, a certification that the facility is in compliance with the SWPPP and the NPDES permit must be signed by one of the following:

The principal executive officer or ranking elected official of the operator or the SWPPP.

A duly authorized representative of the principal executive official of the operator of the SWPPP.

If required, storm water discharge samples are to be taken at the locations specified by the engineer of record. The sampling should be performed according to the following criteria:

A grab bag sample will be taken during regular workings hours, once per month, within the first 30 minutes of a qualifying event (a rain event at 0.5 inches or greater in a 24 hour period) or within the first 30 minutes of the beginning of the discharge of a previously collected qualifying event for settable solids, total suspended solids, turbidity flow. This data is to be recorded and submitted to EPA once per month.

Retain inspection reports and certifications for at least three years.

G. Initiate site stabilization measures no more than 14 days after construction activities have temporarily or permanently ceased on any major portion of the site except when construction will resume within 21 days.

H. Notify Advantage Engineering, Inc. when it is time to submit a Notice of Termination as defined under Part E of the Advantage Engineering, Inc. section of the SWPFF. Sign and return to Advantage Engineering, Inc. the Notice of Termination form and certification.

Developer (SWPPP)

A. Notify Advantage Engineering, Inc. of your intent to commence construction. Sign the Notice of Intent form as operator of the storm water discharge facility and permittee and return to Advantage Engineering, Inc. Copy Advantage Engineering, Inc. on the NOI Permit when it is received.

B. Sign a Certification of Storm Water Pollution Prevention Plan and return to Advantage Engineering, Inc.

C. Notify Advantage Engineering, Inc. when it is time to submit a Notice of Termination as defined under Part E of the Advantage Engineering, Inc. section of the SWPPP. Sign and return to Advantage Engineering, Inc. for submittal to EPA a Notice of Termination form and certification.

PRE-DEVELOPED SITE INFORMATION (SWPPP):

1. Total site acreage: 2.2 AC.
2. Land use: POST OFFICE
3. Vegetation: CLEARED/OPEN SITE AREA
4. Receiving waters or municipal separate storm water system: Haines City Watershed
5. 2 Year/24 Hour rainfall depth: ±4.2
6. Soil types: Candler Fine sand (Type A Soil)
7. Endangered species: NONE KNOWN

BRIAN ANDREW ACKEN LICENSE No 46528 STATE OF FLORIDA PROFESSIONAL ENGINEER

GENERAL NOTES SHEET

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UNITED STATES POSTAL SERVICE

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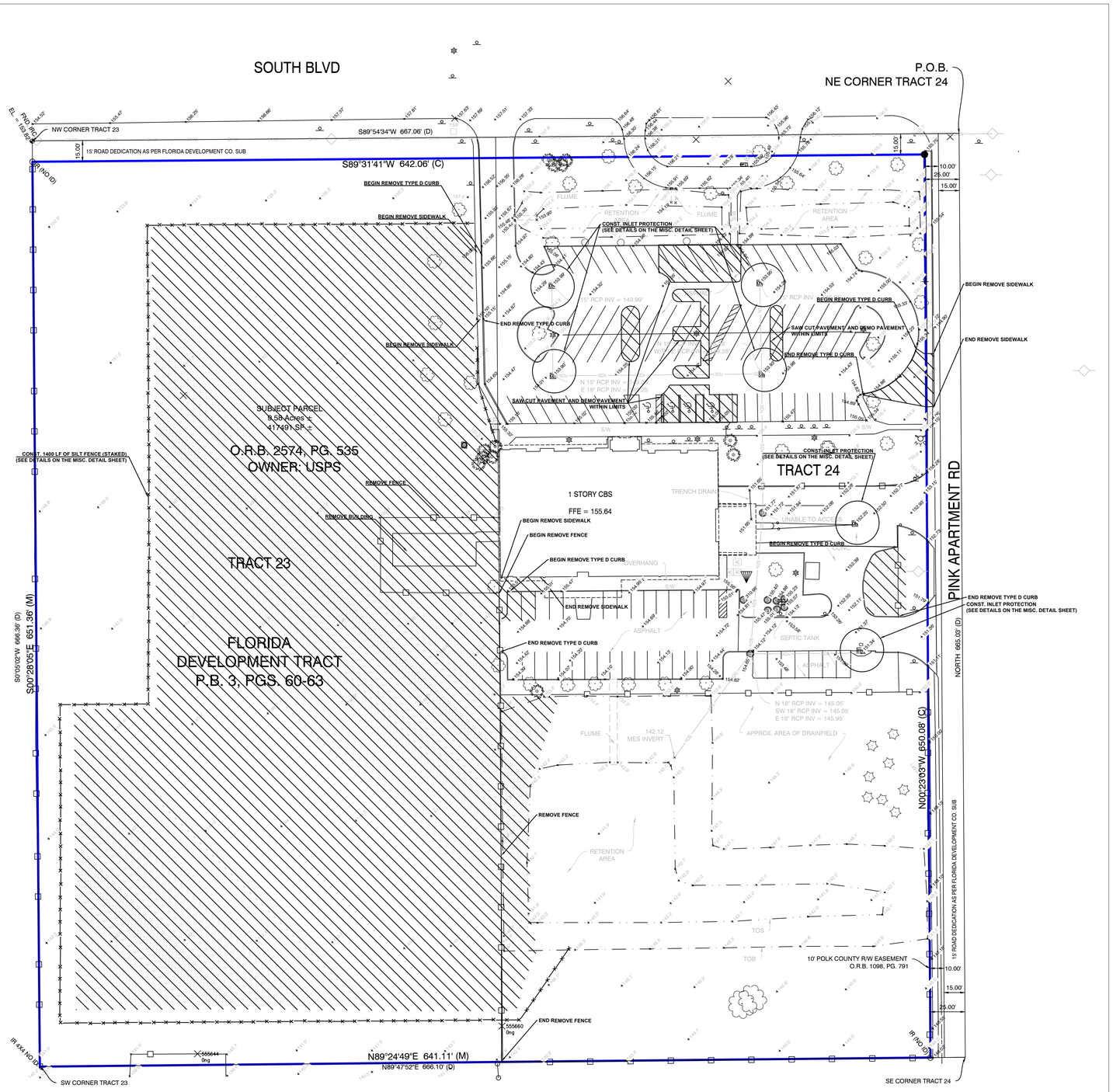
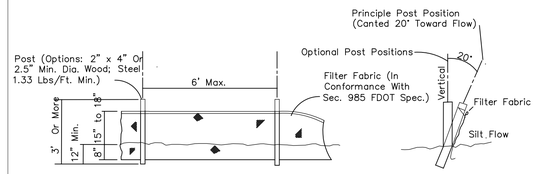




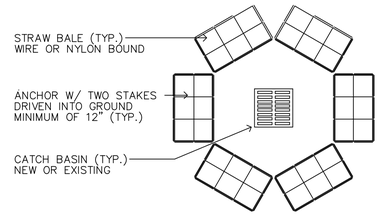
ELEVATION

TYPE III SILT FENCE

NOTE: ALL BARRIERS TO BE INSTALLED ACCORDING TO FDOT INDEX NOS. 102 AND 103

EROSION CONTROL NOTES:

1. SILT SCREEN FENCING MUST BE CONSTRUCTED AROUND EXCAVATED AND DISTURBED AREAS AND MUST BE MAINTAINED THROUGHOUT CONSTRUCTION UNTIL GROUND COVER IS ESTABLISHED.
2. WELL POINTING MUST BE UTILIZED TO DEWATER THE WORK AREA. IF A PUMP IS TO BE USED BY THE CONTRACTOR, THE PUMP DISCHARGE MUST BE DIRECTED TO A SPECIFIED AREA SO THAT NON-TURBID WATER IS DISCHARGED DOWNSTREAM. ALSO, TEMPORARY TURBIDITY BARRIERS MUST BE PROVIDED AT THE DISCHARGE POINT TO PREVENT EROSION AND SEDIMENT TRANSPORT.



SEDIMENT RUN-OFF CONTROL
NOT TO SCALE

GENERAL DEMOLITION AND EROSION AND SEDIMENT CONTROL NOTES:

1. **CONTRACTOR SHALL INSTALL AND MAINTAIN SILT FENCE FOR THE DURATION OF THE PROJECT.**
2. **CONTRACTOR SHALL FOLLOW ALL LOCAL ORDINANCES FOR TREE REMOVAL AND DISPOSAL AND REMOVAL OF DEBRIS. CONTRACTOR TO FOLLOW LANDSCAPE PLAN FOR TREE REMOVAL. SEE LANDSCAPE PLANS.**
4. **CONTRACTOR TO INSTALL INLET PROTECTION AT EXISTING INLETS DURING CONSTRUCTION.**

1" = 40'

GENERAL SYMBOLS

- PROPOSED ELEVATIONS — 45.0' / × 45.0'
- EXISTING ELEVATIONS
- SANITARY SEWER CLEANOUT REFERENCE NUMBER — CO-1
- STORMWATER MANHOLE
- MITERED END SECTION (MES)
- STORM INLET
- SANITARY SEWER
- FIRE HYDRANT
- WATER MAIN / VALVE

APPROXIMATE LIMITS OF DEMOLITION & CLEARING & GRUBBING & ASPHALT REMOVAL

BRIAN ANDREW ACKEN — LICENSE — No 46528 — STATE OF FLORIDA — PROFESSIONAL ENGINEER

EROSION & SEDIMENT CONTROL / DEMOLITION SHEET

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DRAWINGS AND SPECIFICATIONS AS

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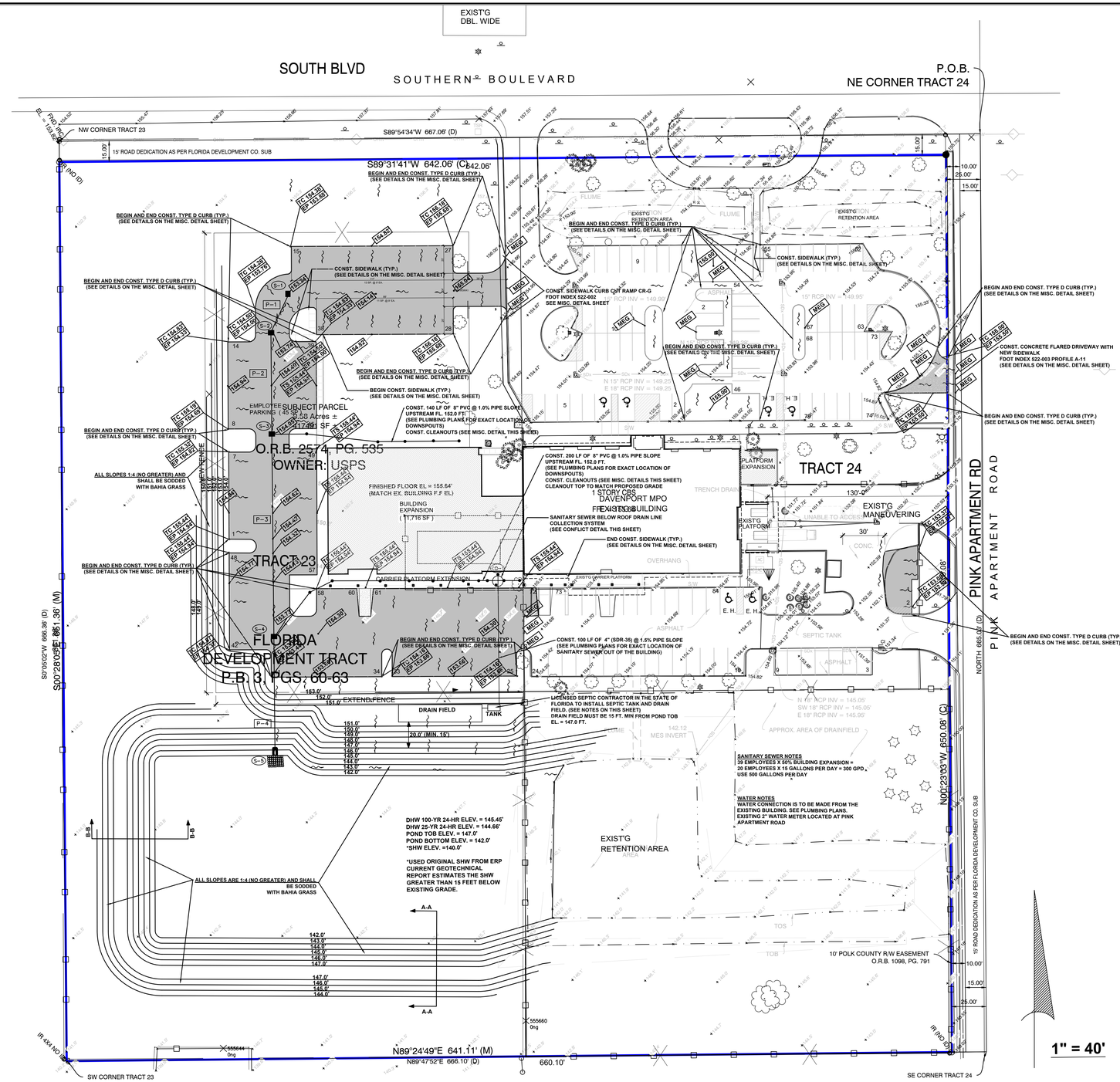


PROPOSED STORMWATER STRUCTURES

S-1
CONST. TYPE D INLET W/
TRAFFIC BEARING GRATE
FDOT INDEX 425-052
GRATE ELEV. = 153.24 FT.
FL (SW) = 148.24 FT.

S-2
CONST. TYPE D INLET W/
TRAFFIC BEARING GRATE
FDOT INDEX 425-052
GRATE ELEV. = 153.74 FT.
FL (NE) = 148.00 FT.

S-3
CONST. TYPE D INLET W/
TRAFFIC BEARING GRATE
FDOT INDEX 425-052
GRATE ELEV. = 154.05 FT.
FL (N) = 146.59 FT.
FL. (S) = 146.59 FT.
8" PVC FL. (E) = 150.6 FT.

S-4
CONST. TYPE D INLET W/
TRAFFIC BEARING GRATE
FDOT INDEX 425-052
GRATE ELEV. = 153.73 FT.
FL (N) = 145.86 FT.
FL. (S) = 145.86 FT.
PR 8" PVC FL. (E) = 150.0 FT.

S-5
CONST. CONC. MITERED END SECTION
FDOT INDEX 425-021
FL = 142.00 FT.
INSTALL 10' X 10' RUBBLE RIPRAP

PROPOSED STORMWATER PIPES

P-1
CONST. 30 LF OF 18" RCP @ 0.8% MIN.

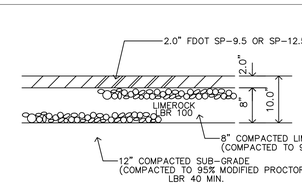
P-2
CONST. 72 LF OF 18" RCP @ 1.96% MIN.

P-3
CONST. 146 LF OF 24" RCP @ 0.5% PIPE SLOPE

P-4
CONST. 82 LF OF 24" RCP @ 4.71% PIPE SLOPE

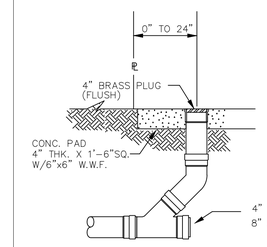
SANITARY SEWER

CO-1
CONST. SANITARY SEWER CLEANOUT
(SEE MISC. DETAIL THIS SHEET)
TOP ELEV. =155.50'+/-
TRAFFIC BEARING TOP
MATCH PROPOSED GRADE ELEV.
FL 4" SAN. SEWER ELEV. = 149.5 FT.

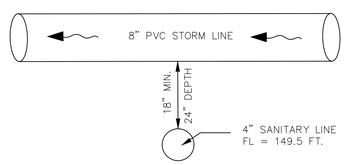


NOTES:
1. AS A SECOND ALTERNATE 8" OF CRUSHED CONCRETE MAY BE UTILIZED IN LIEU OF LIMEROCK AND MUST BE APPROVED BY THE ENGINEER.
2. SEE GEOTECHNICAL REPORT PREPARED BY ARDAMAN & ASSOC. ON APRIL 13, 2022 UNDER PROJECT NO. 22-6342.

PAVEMENT DETAIL



TYPICAL COMMERCIAL CLEAN-OUT DETAIL



CONFLICT DETAIL
N.T.S.

CONTRACTOR TO VERIFY CLEARANCE OF SANITARY LINE LOCATION AND INVERT. CONTACT ENGINEER IF THIS CANNOT BE MET PRIOR TO ANY CONSTRUCTION. NO PIPE JOINTS FROM STORM OR SANITARY AT CONFLICT LOCATION.

GENERAL SYMBOLS

PROPOSED ELEVATIONS	45.0'
EXISTING ELEVATIONS	x 45.0'
SANITARY SEWER CLEANOUT REFERENCE NUMBER	CO-1
STORMWATER MANHOLE	●
MITERED END SECTION (MES)	⊂
STORM INLET	■
SANITARY SEWER	——→——
FIRE HYDRANT	✱
WATER MAIN / VALVE	——⋈——

PAVEMENT LIMITS

PAVING, GRADING, DRAINAGE & UTILITY SHEET

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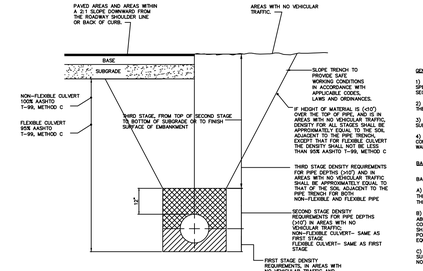


GENERAL NOTES

1) ALL EXCAVATION SHALL CONFORM TO THE FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST ADDITION, AND MORE SPECIFICALLY THAT SECTION TITLED 125-4 EXCAVATION.

2) REMOVAL AND DISPOSAL OF SURPLUS EXCAVATION SHALL CONFORM TO SECTIONS 125-5 AND 125-6 OF THE STANDARD SPECIFICATIONS.

3) BACKFILLING FOR ALL STRUCTURES SHALL MEET THE REQUIREMENTS OF SECTION 125-8.1 AND ALL SUBPARTS OF SAID SECTION.

4) BACKFILL REQUIREMENTS FOR STRUCTURES OTHER THAN PIPE CULVERTS AND STORM SEWERS SHALL CONFORM TO SECTION 125-8.2 AND ALL OF ITS SUBPARTS IN WHICH REQUIREMENTS FOR ABUTMENTS, WING WALLS, END BENTS, END REST PIERS, AND BOX CULVERTS MAY BE FOUND.

BACKFILL REQUIREMENTS FOR FORCEMAINS AND STORM SEWERS

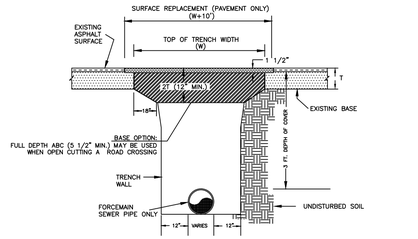
BACKFILLING OF PIPE TRENCHES SHALL BE DONE IN THREE STAGES:

A) FIRST STAGE: MATERIAL BENEATH THE HAUNCHES OF THE PIPE AND ABOVE ANY BEDDING REQUIRED BY THE STANDARD SPECIFICATIONS, SECTION 125-4.4.1 SHALL BE PLACED IN SIX-INCH LAYERS (COMPACTED THICKNESS) AND COMPACTED WITH A SUITABLE MECHANICAL TAMPER.

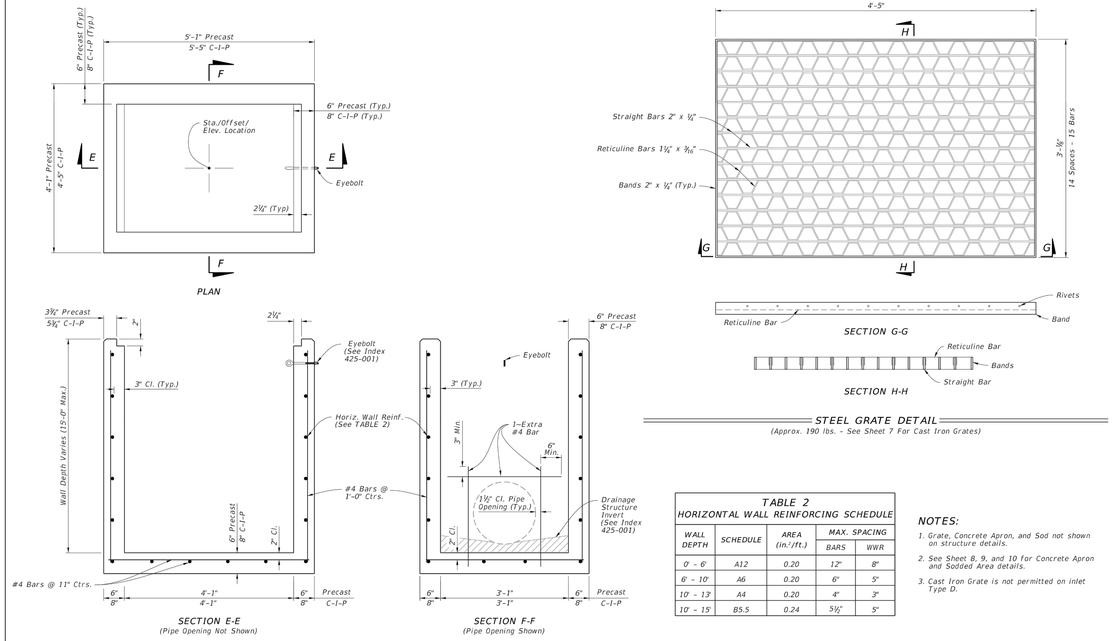
B) SECOND STAGE: MATERIAL ALONG THE SIDES OF THE PIPE AND TO A POINT OF AT LEAST ONE FOOT ABOVE THE TOP OF THE PIPE SHALL BE PLACED IN SIX-INCH LAYERS (COMPACTED THICKNESS) AND COMPACTED WITH THE APPROPRIATE EQUIPMENT. THE WIDTH OF COMPACTION TO BE DONE UNDER THIS STAGE SHALL BE THE WIDTH OF THE PORTION OF THE TRENCH HAVING APPROXIMATELY VERTICAL SIDES OR, WHEN NO SHEETING IS REQUIRED, THE MINIMUM WIDTH NECESSARY FOR COMPACTION EQUIPMENT TO EXTEND A DISTANCE EQUAL TO TWO THIRDS THE OUTSIDE DIAMETER OF THE PIPE ON EITHER SIDE OF THE PIPE.

C) THIRD STAGE: MATERIAL IN THE TRENCH ABOVE THE SECOND STAGE UP TO THE BOTTOM OF THE SUBGRADE OR THE FINISHED SURFACE OF THE EMBANKMENT, AS APPROPRIATE, SHALL BE PLACED IN LAYERS NOT TO EXCEED ONE FOOT IN THICKNESS AND COMPACTED WITH APPROPRIATE EQUIPMENT.

TRENCH BACKFILL DETAIL
N.T.S.



ASPHALT REPLACEMENT DETAIL
N.T.S.



STEEL GRATE DETAIL
(Approx. 190 lbs. - See Sheet 7 For Cast Iron Grates)

TABLE 2
HORIZONTAL WALL REINFORCING SCHEDULE

WALL DEPTH	SCHEDULE	AREA (in^2/ft.)	MAX. SPACING	
			BARS	WWR
0' - 6'	A12	0.20	12"	8"
6' - 10'	A6	0.20	6"	5"
10' - 13'	A4	0.20	4"	3"
10' - 15'	B5.5	0.24	5½"	5"

NOTES:
1. Grate, Concrete Apron, and Sod not shown on structure details.
2. See Sheet 8, 9, and 10 for Concrete Apron and Sodded Area details.
3. Cast Iron Grate is not permitted on inlet Type D.

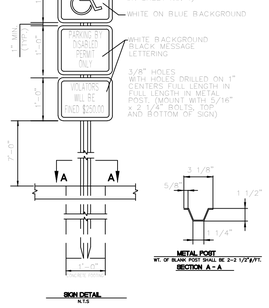
DIMENSIONAL AND REINFORCING DETAILS

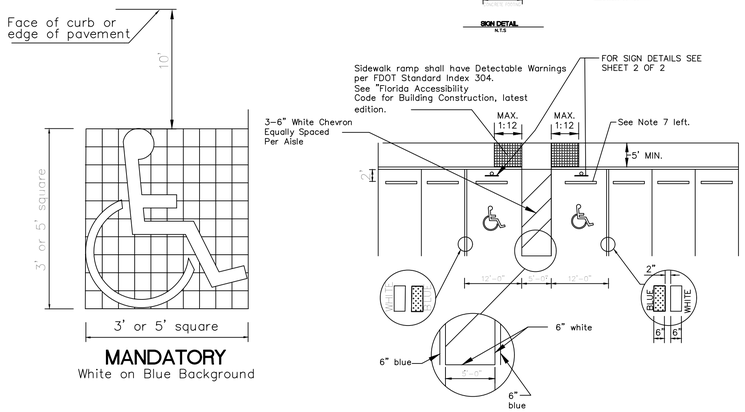
TYPE D - DIMENSIONAL, REINFORCING, AND STEEL GRATE DETAILS

LAST REVISION 11/01/20	REVISION	DESCRIPTION:	FDOT FY 2021-22 STANDARD PLANS	DITCH BOTTOM INLET TYPE C, D, E, AND H	INDEX 425-052	SHEET 3 of 14

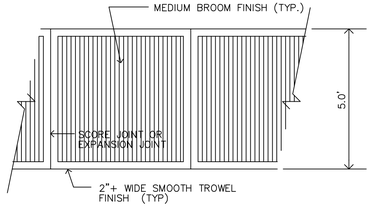
NOTES:

1. METAL POST TO BE GALVANIZED. ALL BOLTS, NUTS, WASHERS AND SCREWS MUST BE RUSTPROOF.
2. CONCRETE FOR FOOTING SHALL BE PORTLAND CEMENT AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 P.S.I.
3. SIGNS WILL BE FABRICATED BY USING REFLECTING COATING IN THE SYMBOL, MESSAGE AND BORDER APPLIED TO A SHEET ALUMINUM BACKING (.080) IN THICKNESS.
4. MESSAGE LETTERING SHALL BE UPPER CASE (BLACK)(SERIES C) 1.5" HIGH IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. EXCEPT AS NOTED ON SHEET 2 OF 2.
5. THE SYMBOL IS COMPOSED OF TWO ELEMENTS, A WHITE WHEELCHAIR FIGURE (WHICH SHOULD ALWAYS FACE RIGHT) ON A SQUARE BACKGROUND, INTERNATIONAL BLUE IN COLOR (FED. STD. 595a, COLOR #15180).
6. SIGN POST SHALL BE MIN. 2'-0" CLEAR FROM BACK OF CURB.
7. THE USE OF PROPERLY LOCATED BOLLARDS IN ACCESSIBLE PARKING SPACES ARE ACCEPTABLE SUBSTITUTES FOR REGULAR BUMPER GUARD.
8. MINIMUM NUMBER OF ACCESSIBLE PARKING SPACES SHALL BE PER FLORIDA ACCESSIBILITY BUILDING CODE SECTION 4.6.3.

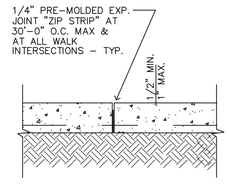




HANDICAPPED RAMP DETAIL
FDOT INDEX 17346
NOT TO SCALE



SIDEWALK FINISH DETAIL



EXPANSION JOINT
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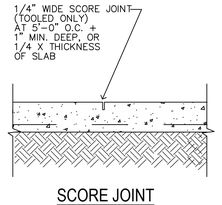

SCORE JOINT
NOT TO SCALE

BRIAN ANDREW ACKEN LICENSE No 46528 STATE OF FLORIDA PROFESSIONAL ENGINEER

MISC. DETAILS
SHEET 1

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BUILDING & PARKING EXPANSION
DAVENPORT MPO
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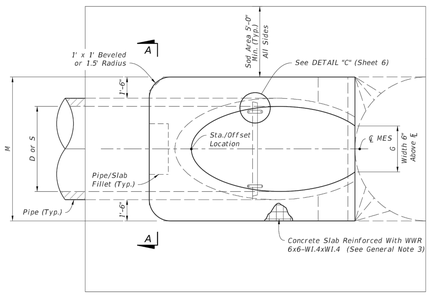
DAVENPORT, FLORIDA 33837

UNITED STATES POSTAL SERVICE

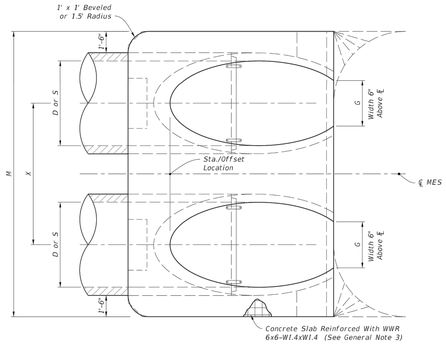
Revisions:

Date: 06/16/22
Scale: NOTED
Project: 21-23
USPS File Number: E54635

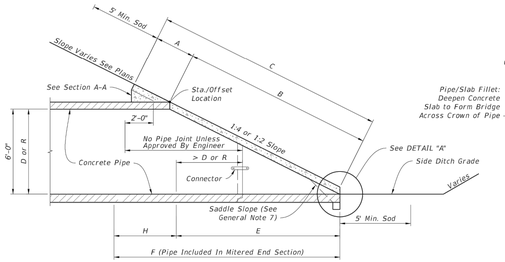
C4.01



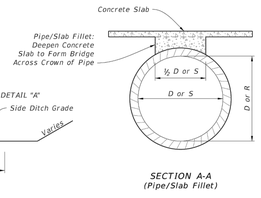
PLAN - SINGLE PIPE



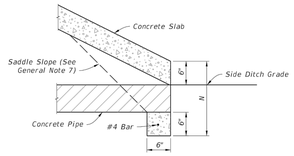
PLAN - MULTIPLE PIPE



ELEVATION



SECTION A-A
(Pipe/Slab Fillet)



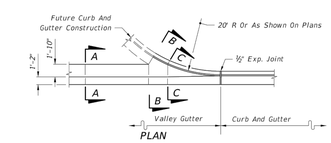
DETAIL "A"

ROUND CONCRETE PIPE
(Elliptical Pipe Similar)

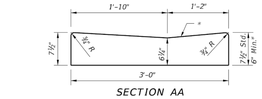
NOTE: See Table 1 on Sheet 3 for Dimensions and Quantities.

SINGLE AND MULTIPLE CONCRETE PIPE

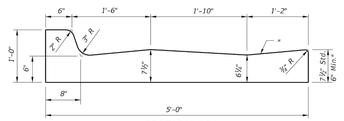
LAST REVISION	DESCRIPTION:	FDOT	FY 2021-22 STANDARD PLANS	CROSS DRAIN MITERED END SECTION	INDEX	SHEET
11/01/19					430-021	2 of 6



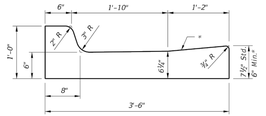
PLAN



SECTION AA



SECTION BB



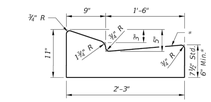
SECTION CC

VALLEY GUTTER

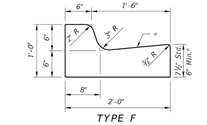
* When used on high side of roadways, the cross slope of the gutter shall match the cross slope of the adjacent pavement. The thickness of the lip shall be 6", unless otherwise shown on plans.

◪ Rotate entire section so that gutter cross slope matches slope of adjacent circulating roadway pavement.

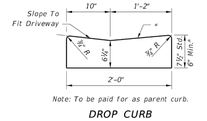
For use adjacent to concrete or flexible pavement. For details depicting usage adjacent to flexible pavement, see Sheet 2. Expansion joint, preformed joint filler and joint seal are required between curb & gutter and concrete pavement only, see Sheet 2.



TYPE E

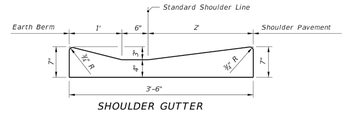


TYPE F

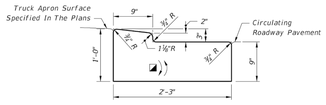


Note: To be paid for as parent curb.

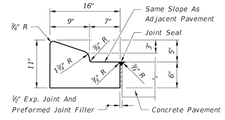
DROP CURB



SHOULDER GUTTER

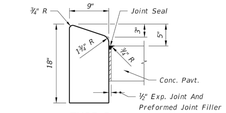


TRAFFIC BEARING SECTION FOR USE IN ROUNDABOUT CENTRAL ISLAND CONSTRUCTION
TYPE RA

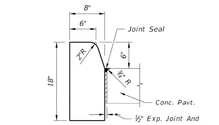


For details depicting usage adjacent to flexible pavement, see Sheet 2.

TYPE A

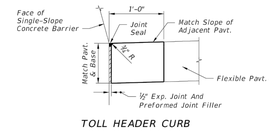


TYPE B



TYPE D

Note: For use adjacent to concrete or flexible pavement, concrete shown. Expansion joint, preformed joint filler and joint seal are required between curbs and concrete pavement only, see Sheet 2.



TOLL HEADER CURB
(See the toll site details for conduit requirements)

CONCRETE CURB AND GUTTER

LAST REVISION	DESCRIPTION:	FDOT	FY 2021-22 STANDARD PLANS	CURB AND GUTTER	INDEX	SHEET
11/01/20					520-001	1 of 2

TABLE 1

SINGLE AND MULTIPLE CONCRETE PIPE DIMENSIONS AND QUANTITIES

	Dia. D	Rise R	Span S	X	A	B	C	E	F	G	H	M (See General Note 3) Single Pipe	M Double Pipe	M Triple Pipe	M Quad. Pipe	N	½" CONC. SLAB (CY) (See General Note 3) Single Pipe	½" CONC. SLAB (CY) Double Pipe	½" CONC. SLAB (CY) Triple Pipe	½" CONC. SLAB (CY) Quad. Pipe	3" CONC. SLAB (CY) (See General Note 3) Single Pipe	3" CONC. SLAB (CY) Double Pipe	3" CONC. SLAB (CY) Triple Pipe	3" CONC. SLAB (CY) Quad. Pipe	SODDING (SY) Single Pipe	SODDING (SY) Double Pipe	SODDING (SY) Triple Pipe	SODDING (SY) Quad. Pipe
Round Concrete Pipe 1:2 Slope	15"	—	—	2'-7"	1.92'	2.18'	4.10'	2.06'	5'	1.22'	2.9'	4.63'	7.21'	9.79'	12.37'	1.19'	0.38	0.58	0.77	0.96	0.27	0.41	0.54	0.67	21	29	37	45
	18"	—	—	2'-10"	1.97'	2.74'	4.71'	2.56'	6'	1.41'	3.4'	4.92'	7.75'	10.58'	13.42'	1.21'	0.44	0.65	0.87	1.09	0.31	0.45	0.60	0.75	22	25	28	31
	24"	—	—	3'-5"	2.06'	3.85'	5.91'	3.56'	7'	1.73'	3.4'	5.50'	8.92'	12.33'	15.75'	1.25'	0.54	0.83	1.12	1.42	0.39	0.59	0.79	1.00	24	28	32	35
	30"	—	—	4'-3"	2.15'	4.95'	7.10'	4.56'	8'	2.00'	3.4'	6.08'	10.33'	14.58'	18.83'	1.29'	0.66	1.09	1.50	1.91	0.46	0.76	1.04	1.32	26	31	35	40
	36"	—	—	5'-1"	2.25'	6.08'	8.33'	5.56'	9'	2.24'	3.4'	6.67'	11.75'	16.83'	21.92'	1.33'	0.81	1.38	1.95	2.51	0.55	0.94	1.33	1.71	28	34	39	45
	42"	—	—	6'-0"	2.34'	7.21'	9.55'	6.56'	10'	2.45'	3.4'	7.25'	13.25'	19.25'	25.25'	1.38'	0.97	1.70	2.45	3.19	0.66	1.15	1.66	2.15	30	37	43	50
	48"	—	—	6'-9"	2.43'	8.33'	10.76'	7.56'	11'	2.65'	3.4'	7.83'	14.58'	21.33'	28.08'	1.42'	1.13	2.04	2.93	3.84	0.76	1.37	1.96	2.57	32	39	47	54
	54"	—	—	7'-3"	2.52'	9.44'	11.98'	8.56'	12'	2.83'	3.4'	8.42'	16.08'	23.75'	31.42'	1.46'	1.31	2.44	3.58	4.72	0.87	1.62	2.38	3.14	34	42	51	59
	60"	—	—	8'-6"	2.62'	10.56'	13.18'	9.56'	14'	3.00'	4.4'	9.00'	17.50'	26.00'	34.50'	1.50'	1.51	2.89	4.28	5.68	0.99	1.90	2.81	3.73	36	45	55	64
	66"	—	—	9'-2"	2.71'	11.68'	14.39'	10.56'	15'	3.18'	4.4'	9.58'	18.75'	27.92'	37.08'	1.54'	1.68	3.25	4.84	6.43	1.11	2.15	3.21	4.27	38	48	58	68
	72"	—	—	10'-0"	2.80'	12.80'	15.60'	11.56'	16'	3.30'	4.4'	10.16'	20.16'	30.16'	40.16'	1.58'	1.89	3.74	5.59	7.45	1.24	2.46	3.68	4.90	40	51	62	73
Round Concrete Pipe 1:4 Slope	15"	—	—	2'-7"	2.27'	4.09'	6.36'	4.03'	8'	1.22'	4.0'	4.63'	7.71'	9.79'	12.37'	1.19'	0.57	0.87	1.15	1.44	0.40	0.61	0.80	1.00	23	26	29	32
	18"	—	—	2'-10"	2.36'	5.12'	7.48'	5.03'	9'	1.41'	4.0'	4.92'	7.75'	10.58'	13.42'	1.21'	0.66	0.99	1.31	1.65	0.47	0.69	0.91	1.14	25	28	31	35
	24"	—	—	3'-5"	2.53'	7.18' △	9.71'	7.03' △	11'	1.73'	4.0'	5.50'	8.92'	12.33'	15.75'	1.25'	0.85	1.30	1.75	2.20	0.60	0.90	1.21	1.52	28	32	36	40
	30"	—	—	4'-3"	2.70'	9.25'	11.95'	9.03'	13'	2.00'	4.0'	6.08'	10.33'	14.58'	18.83'	1.29'	1.10	1.74	2.39	3.05	0.76	1.19	1.63	2.07	31	36	41	46
	36"	—	—	5'-1"	2.87'	11.31' ◇	14.18'	11.03' ◇	15'	2.24'	4.0'	6.67'	11.75'	16.83'	21.92'	1.33'	1.32	2.21	3.08	3.96	0.89	1.48	2.05	2.63	34	40	46	52
	42"	—	—	6'-0"	3.05'	13.37'	16.42'	13.03'	17'	2.45'	4.0'	7.25'	13.25'	19.25'	25.25'	1.38'	1.58	2.76	3.91	5.09	1.05	1.82	2.57	3.34	38	44	51	58
	48"	—	—	6'-9"	3.22'	15.43'	18.65'	15.03'	19'	2.65'	4.0'	7.83'	14.58'	21.33'	28.08'	1.46'	1.85	3.30	4.73	6.17	1.21	2.15	3.07	4.00	41	48	56	63
	54"	—	—	7'-3"	3.39'	17.49'	20.88'	17.03'	21'	2.83'	4.0'	8.42'	16.08'	23.75'	31.42'	1.46'	2.14	3.95	5.77	7.58	1.39	2.55	3.72	4.88	44	52	61	69
	60"	—	—	8'-6"	3.56'	19.55'	23.11'	19.03'	23'	3.00'	4.0'	9.00'	17.50'	26.00'	34.50'	1.50'	2.45	4.66	6.87	9.07	1.59	3.02	4.44	5.86	47	56	66	75
	66"	—	—	9'-2"	3.73'	21.62'	25.35'	21.03'	25'	3.18'	4.0'	9.58'	18.75'	27.92'	37.08'	1.54'	2.88	5.54	8.18	10.84	1.91	3.66	5.40	7.15	49	59	69	80
	72"	—	—	10'-0"	3.91'	23.68'	27.59'	23.03'	27'	3.30'	4.0'	10.16'	20.16'	30.16'	40.16'	1.58'	3.54	6.61	9.87	13.13	2.12	4.18	6.24	8.30	52	63	74	85
Elliptical Concrete Pipe 1:2 Slope	—	12"	18"	2'-10"	1.97'	1.62'	3.59'	1.56'	4'	1.50'	2.4'	4.92'	7.75'	10.58'	13.42'	1.21'	0.30	0.49	0.67	0.85	0.19	0.33	0.45	0.57	21	24	27	30
	—	14"	23"	3'-4"	2.01'	1.99'	4.00'	1.89'	5'	1.90'	3.1'	5.38'	8.71'	12.04'	15.38'	1.23'	0.37	0.59	0.81	1.02	0.25	0.40	0.55	0.69	22	26	29	33
	—	19"	30"	4'-0"	2.11'	2.92'	5.03'	2.73'	6'	2.37'	3.3'	6.04'	10.04'	14.04'	18.04'	1.27'	0.50	0.80	1.09	1.39	0.34	0.55	0.75	0.95	24	28	33	37
	—	24"	38"	5'-0"	2.20'	3.85'	6.05'	3.56'	7'	2.85'	3.4'	6.79'	11.79'	16.79'	21.79'	1.31'	0.62	1.03	1.45	1.86	0.43	0.71	1.00	1.28	26	31	37	42
	—	29"	45"	5'-11"	2.34'	4.79'	7.13'	4.39'	8'	3.19'	3.6'	7.50'	13.42'	19.33'	25.25'	1.38'	0.75	1.30	1.84	2.39	0.52	0.90	1.27	1.65	28	34	41	47
	—	34"	53"	7'-0"	2.43'	5.72'	8.35'	5.23'	9'	3.57'	3.8'	8.25'	15.25'	22.25'	29.25'	1.42'	0.90	1.61	2.32	3.03	0.62	1.11	1.60	2.09	30	37	45	53
	—	38"	60"	7'-10"	2.52'	6.46'	8.98'	5.89'	9'	3.95'	3.1'	8.92'	16.75'	24.58'	32.42'	1.46'	1.03	1.89	2.74	3.60	0.70	1.29	1.87	2.46	31	40	49	57
	—	43"	68"	8'-3"	2.62'	7.39'	10.01'	6.73'	10'	4.28'	3.3'	9.67'	18.58'	27.50'	36.42'	1.50'	1.19	2.26	3.33	4.40	0.81	1.54	2.26	2.99	33	43	53	63
	—	48"	76"	9'-3"	2.71'	8.33'	11.04'	7.56'	11'	4.59'	3.4'	10.42'	20.33'	30.25'	40.17'	1.54'	1.38	2.65	3.93	5.21	0.93	1.79	2.66	3.53	35	46	57	68
	—	53"	83"	10'-8"	2.80'	9.26'	12.06'	8.39'	12'	4.77'	3.6'	11.08'	21.75'	32.42'	43.08'	1.58'	1.55	3.03	4.50	5.96	1.04	2.04	3.03	4.02	37	49	61	73
	—	58"	91"	11'-8"	2.90'	10.19'	13.09'	9.23'	13'	5.01'	3.8'	11.83'	23.50'	35.17'	46.83'	1.63'	1.75	3.47	5.20	6.93	1.17	2.33	3.49	4.66	39	52	65	78
Elliptical Concrete Pipe 1:4 Slope	—	12"	18"	2'-10"	2.36'	3.06'	5.42'	3.03'	5'	1.50'	2.0'	4.92'	7.75'	10.58'	13.42'	1.21'	0.45	0.68	0.92	1.14	0.30	0.45	0.61	0.76	23	26	29	32
	—	14"	23"	3'-4"	2.44	3.75'	6.19'	3.70'	6'	1.90'	2.3'	5.38'	8.71'	12.04'	15.38'	1.23'	0.53	0.83	1.13	1.42	0.36	0.56	0.76	0.95	24	28	32	35
	—	19"	30"	4'-0"	2.62'	5.47'	8.09'	5.36'	8'	2.37'	2.6'	6.04'	10.04'	14.04'	18.04'	1.27'	0.74	1.15	1.57	1.98	0.51	0.79	1.08	1.36	27	32	36	40
	—	24"	38"	5'-0"	2.79'	7.18'	9.97'	7.03'	10'	2.85'	3.0'	6.79'	11.79'	16.79'	21.79'	1.31'	0.97	1.57	2.19	2.81	0.68	1.10	1.53	1.96	30	36	41	47
	—	29"	45"	5'-11"	3.05'	8.90'	11.95'	8.70'	12'	3.19'	3.3'	7.50'	13.42'	19.33'	25.25'	1.38'	1.22	2.07	2.92	3.77	0.86	1.45	2.04	2.63	33	40	46	53
	—	34"	53"	7'-0"	3.22'	10.62'	13.84'	10.36'	13'	3.57'	2.6'	8.25'	15.25'	22.25'	29.25'	1.42'	1.48	2.62	3.77	4.92	1.02	1.81	2.60	3.39	36	44	52	59
	—	38"	60"	7'-10"	3.39'	11.99'	15.38'	11.70'	15'	3.95'	3.3'	8.92'	16.75'	24.58'	32.42'	1.46'	1.72	3.12	4.53	5.92	1.18	2.14	3.10	4.05	38	47	56	65
	—	43"	68"	8'-3"	3.56'	13.71'	17.27'	13.36'	17'	4.28'	3.6'	9.67'	18.58'	27.50'	36.42'	1.50'	2.02	3.78	5.56	7.32	1.38	2.58	3.79	4.99	41	55	69	81
	—	48"	76"	9'-3"	3.73'	15.43'	19.16'	15.03'	19'	4.59'	4.0'	10.42'	20.33'	30.25'	40.17'	1.54'	2.34	4.49	6.64	8.79	1.59	3.05	4.51	5.97	44	55	66	77
	—	53"	83"	10'-8"	3.90'	17.15'	21.06'	16.70'	20'	4.77'	3.3'	11.08'	21.75'	32.42'	43.08'	1.58'	2.66	5.17	7.66	10.16	1.80	3.50	5.19	6.88	47	59	71	83
	—	58"	91"	11'-8"	4.08'	18.87'	22.95'	18.36'	22'	5.01'	3.6'	11.83'	23.50'	35.17'	46.83'	1.63'	3.02	5.98	8.95	11.90	2.04	4.04	6.05	8.05	50	63	76	89

B E

△ 6.42' △ 6.25' Dimensions permitted to allow use of 8' standard pipe lengths.

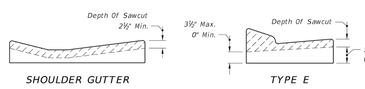
◇ 10.40' ◇ 10.10' Dimensions permitted to allow use of 12' standard pipe lengths.

CONCRETE PIPE DIMENSIONS AND QUANTITIES

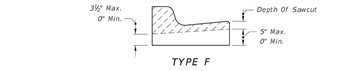
LAST REVISION	DESCRIPTION:	FDOT	FY 2021-22 STANDARD PLANS	CROSS DRAIN MITERED END SECTION	INDEX	SHEET
11/01/19					430-021	3 of 6

CURB TYPE A

CURB AND GUTTER TYPES E & F

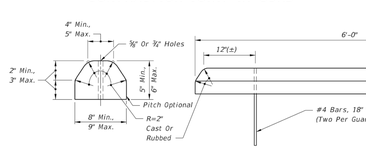


CURB AND GUTTER ENDINGS

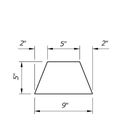


Sawcuts should be avoided within valley gutter and within curb and gutter endings.

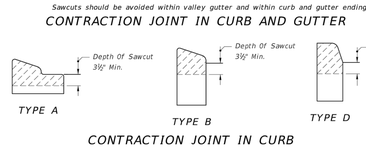
CONTRACTION JOINT IN CURB AND GUTTER



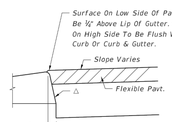
CONCRETE BUMPER GUARD



ASPHALTIC CONCRETE CURB

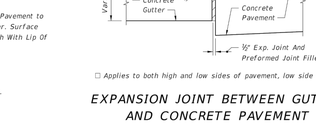


CONTRACTION JOINT IN CURB



△ Applies to both high and low sides of pavement, low side shown. Applies to shoulder gutter only where adjoining traffic lanes.

CURB AND GUTTER AND TYPE A CURB ADJACENT TO FLEXIBLE PAVEMENT



□ Applies to both high and low sides of pavement, low side shown.

EXPANSION JOINT BETWEEN GUTTER AND CONCRETE PAVEMENT

GENERAL NOTES

1. For curb, gutter and curb & gutter provide ½" - ¼" contraction joints at 10' centers (max.). Contraction joints adjacent to concrete pavement on tangents and flat curves are to match the pavement joints, with intermediate joints not to exceed 10' centers. Curb, gutter and curb & gutter expansion joints shall be located in accordance with Specification 520.

2. Ends of Curbs Types B and D shall transition from full to zero heights in 3'.

CURB AND GUTTER

LAST REVISION	DESCRIPTION:	FDOT	FY 2021-22 STANDARD PLANS	CURB AND GUTTER	INDEX	SHEET
11/01/17					520-001	2 of 2

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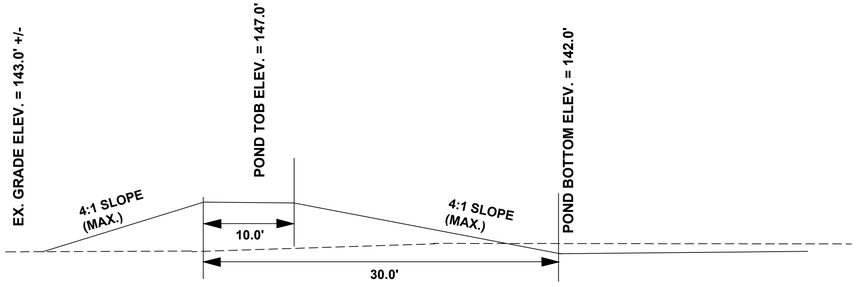
MISC. DETAILS SHEET 2

C4.02

Revisions:

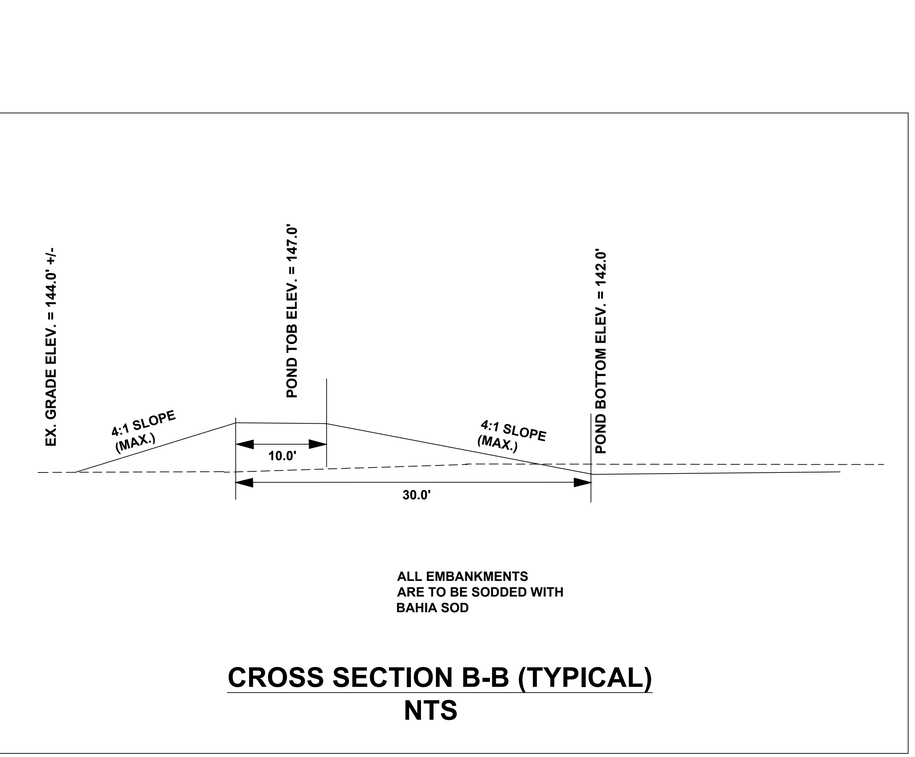
Date: 06/16/22

Scale: NOTED
Project: 21-23
USPS File Number: E545635



ALL EMBANKMENTS
ARE TO BE SODDED WITH
BAHIA SOD

CROSS SECTION A-A (TYPICAL)
NTS



ALL EMBANKMENTS
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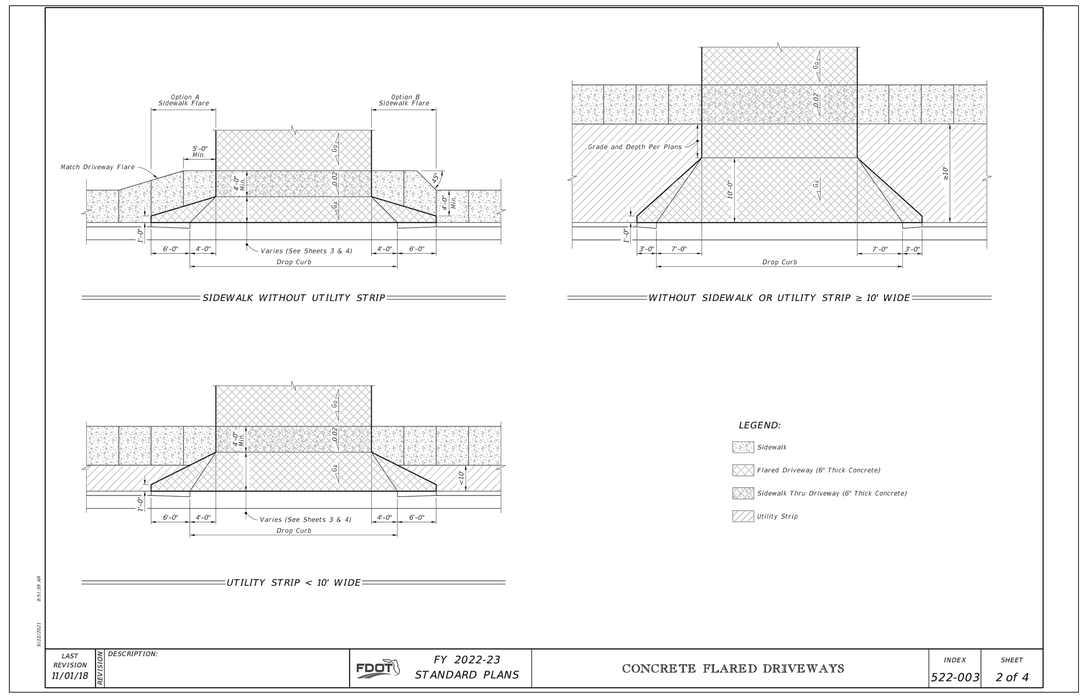
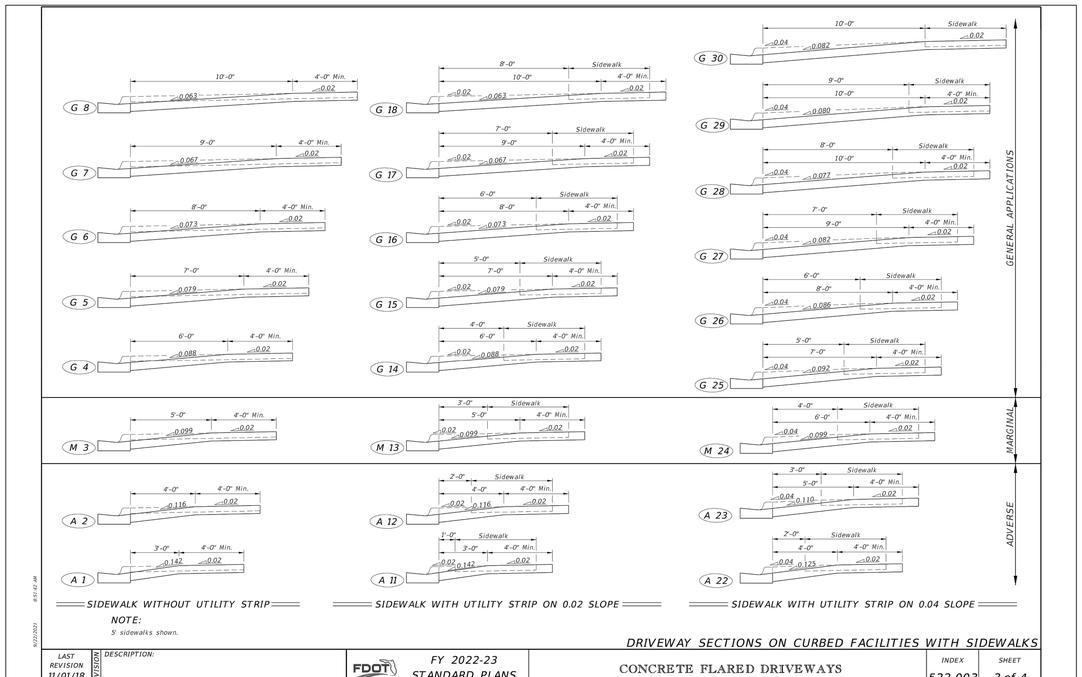
BAHIA SOD

CROSS SECTION B-B (TYPICAL)
NTS



LAST REVISION	DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	CONCRETE FLARED DRIVEWAYS	INDEX	SHEET
11/01/18	REVISION				522-003	2 of 4



LAST REVISION	DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	CONCRETE FLARED DRIVEWAYS	INDEX	SHEET
11/01/18	REVISION				522-003	3 of 4

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MISC. DETAILS
SHEET 3

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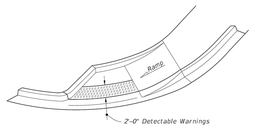
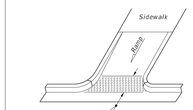
C4.03

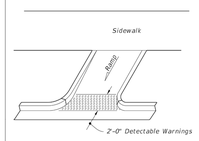
Scale: NOTED | Date: 06/16/22 | Revisions:
Project: 21-23
USPS File Number: E54635



ISOMETRIC VIEW

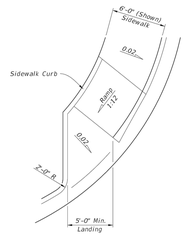


OPTION A



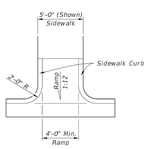
OPTION B

ISOMETRIC VIEW



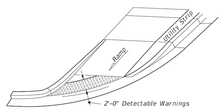
PLAN VIEW

CR-D



PLAN VIEW

CR-E



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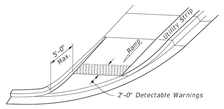

OPTION B

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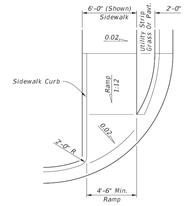
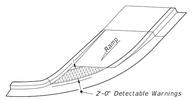


PLAN VIEW

CR-F



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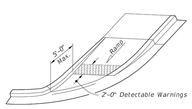

OPTION B

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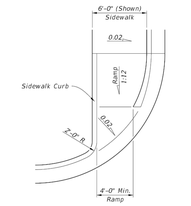

PLAN VIEW

CR-G

SIDEWALK CURB RAMPS CR-D, CR-E, CR-F & CR-G

LAST REVISION 11/01/20	REVISION DESCRIPTION:	FDOT FY 2021-22 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX 522-002	SHEET 4 of 7

10/1/2020 3:49:37 AM

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MISC. DETAILS
SHEET 4

C4.04

Scale: NOTED Date: 06/16/22
Project: 21-23
USPS File Number: E546635

Revisions: