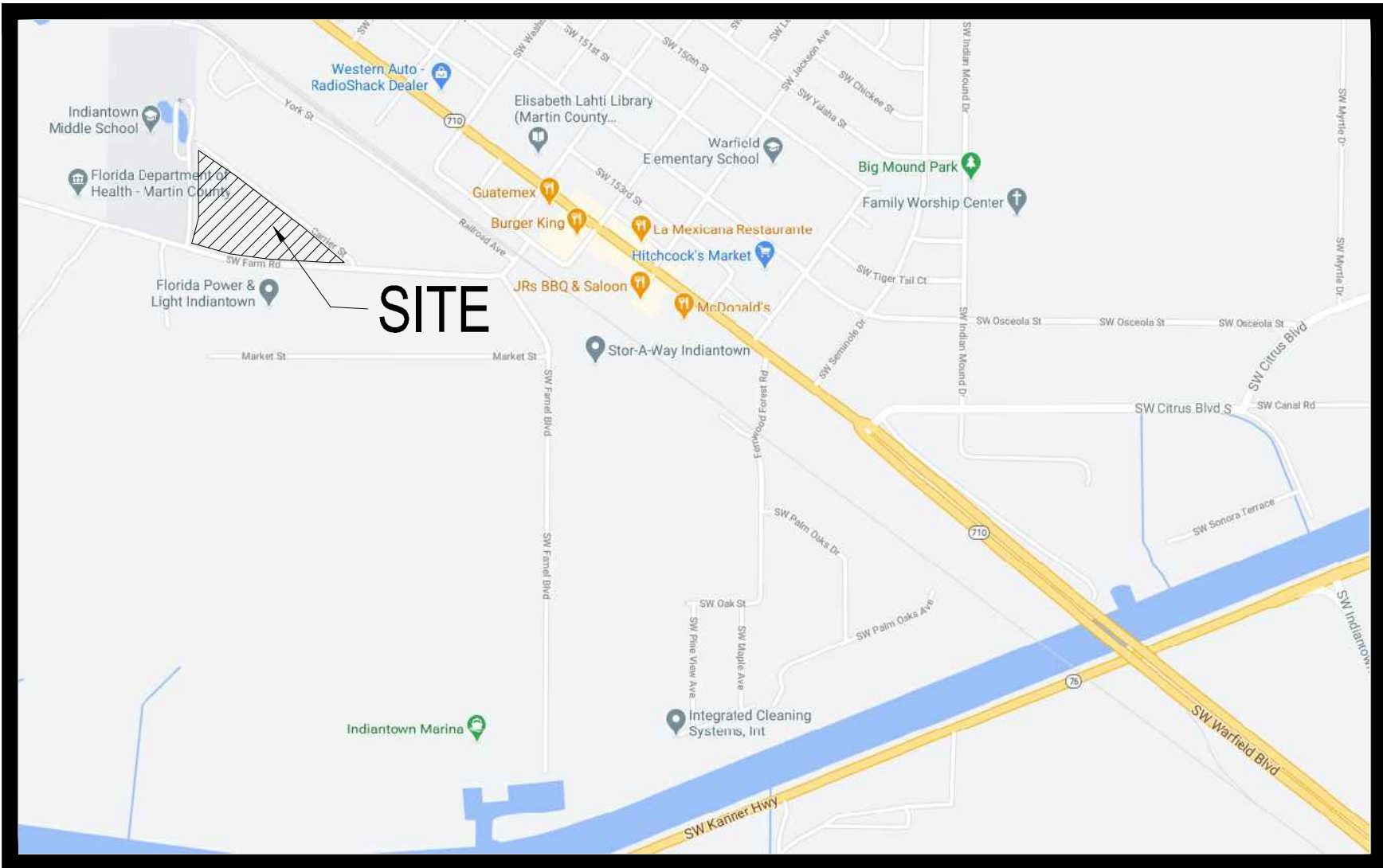


CSV PALM BEACH INC.

INDIANTOWN GO KART TRACK

CIVIL CONSTRUCTION PLANS & SPECIFICATIONS
SECTION 6, TOWNSHIP 40 S, RANGE 39
INDIANTOWN, FLORIDA



LOCATION MAP
N.T.S.



VICINITY \ AERIAL MAP
N.T.S.

INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
COV.	COVER SHEET
01	SITE PLAN
02	PAVING, GRADING & DRAINAGE PLAN
03	PAVING, GRADING & DRAINAGE SECTIONS
04	PAVING, GRADING & DRAINAGE DETAILS
05	WATER & SEWER PLAN
06	WATER & SEWER DETAILS
07	CLEARING & SEDIMENT & EROSION CONTROL PLAN
08	STORMWATER POLLUTION PREVENTION PLAN

LEGAL DESCRIPTION

LOTS 1 THROUGH 8, LESS THE SOUTHEASTERLY 70 FEET OF LOT 8; AND LOTS 10 THROUGH 12, BLOCK 4, UNRECORDED INDIANTOWN INDUSTRIAL PARK, LOCATED IN SECTION 6, TOWNSHIP 40 SOUTH, RANGE 39 EAST, MARTIN COUNTY, FLORIDA, ACCORDING TO THE UNRECORDED PLAT RECORDED IN OFFICIAL RECORD BOOK 332, PAGE 2234, PUBLIC RECORDS OF MARTIN COUNTY, FLORIDA

PLAN FOR
CSV PALM BEACH INC.

ENGINEER & SURVEYOR



ENGINEERING & SURVEYING, LLC.

1449 NW COMMERCE CENTRE DR
PORT ST. LUCIE, FL 34986
PHONE: (772) 879-0477

ENGINEER'S PROJECT NO. 20-1025



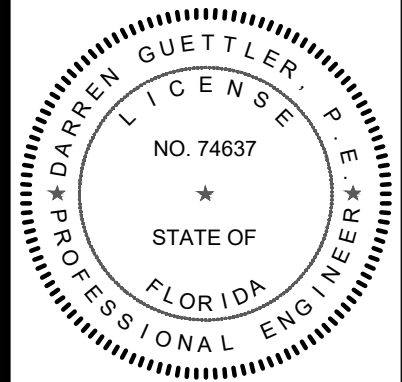
ENGINEERING & SURVEYING, LLC.

1449 NW COMMERCE CENTRE DR
PORT ST. LUCIE, FL 34986
PHONE: (772) 879-0477
FIPS C.O.A. # 3222

REVISIONS:	BY:	DATE:	COMMENT:
	JM	12-22-22	REVISIONS PER DRC COMMENTS
	JM	05-14-25	REVISIONS PER DRC COMMENTS

PROJECT:
INDIANTOWN
GO KART TRACK
INDIANTOWN, FLORIDA

CLIENT:
CSV
PALM BEACH INC



DARREN GUETTLE, PE
FLORIDA LICENSE No. 74637
5/14/25

PROJECT No.: 20-1025
DRAWN BY: JM
CHECKED BY: DG
DATE: 5/14/2025
CAD I.D.: 20 - 1025 COVER

SHEET TITLE:
COVER SHEET

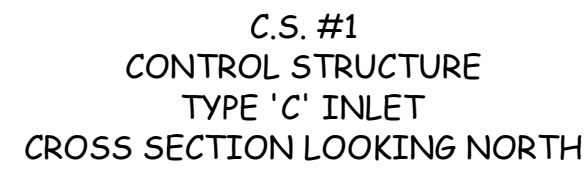
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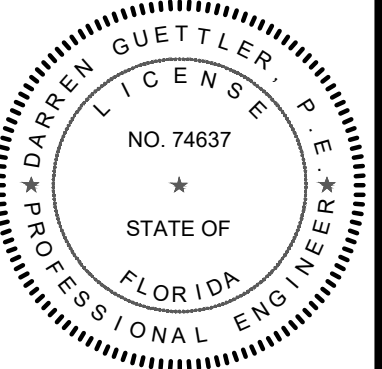


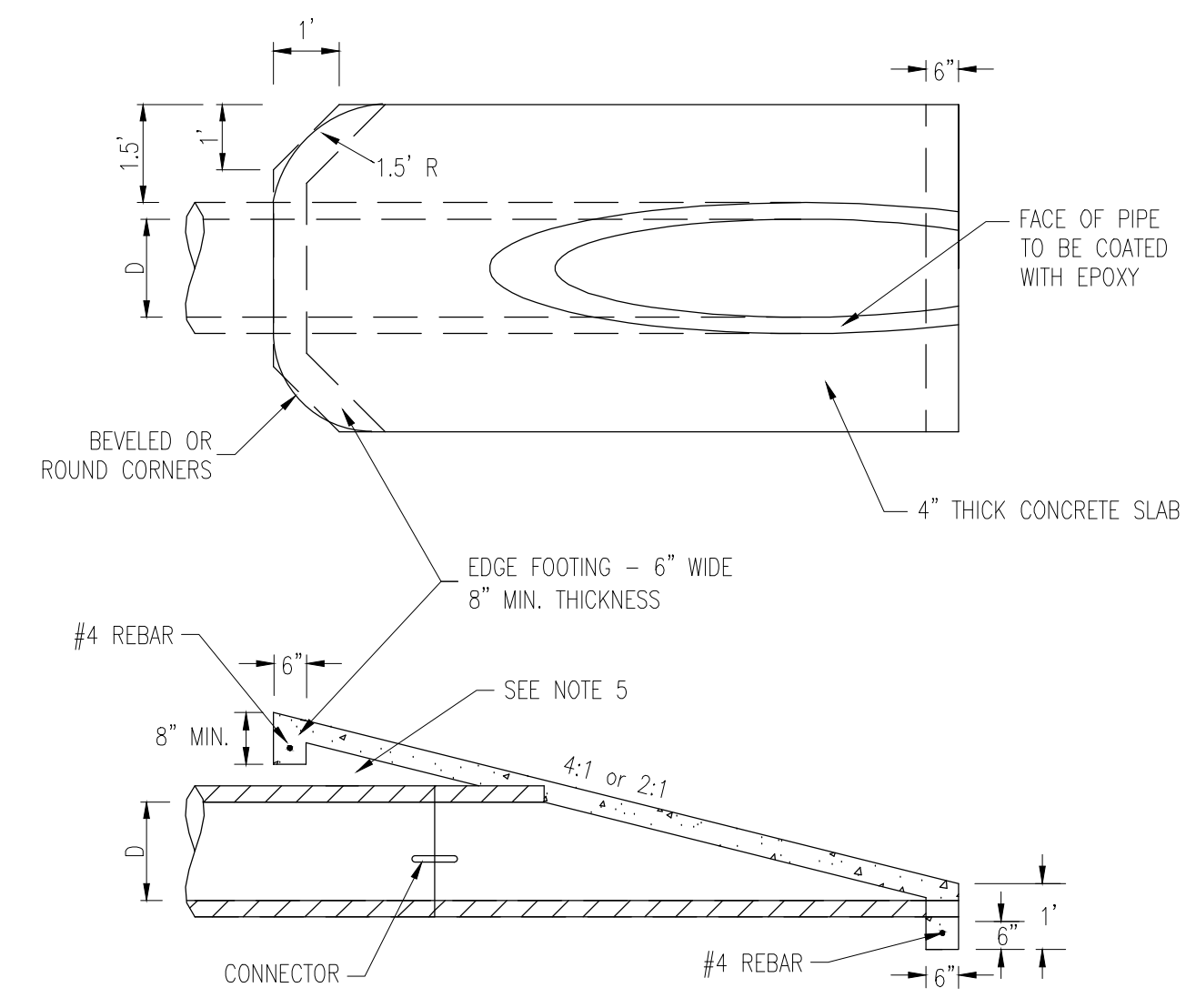
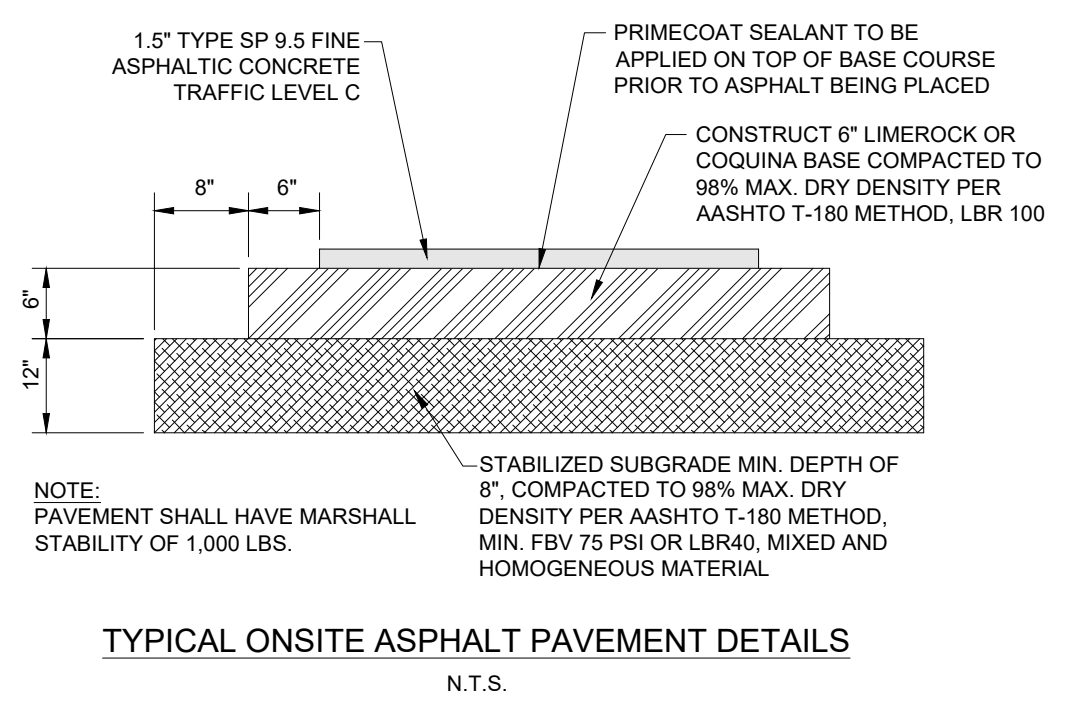
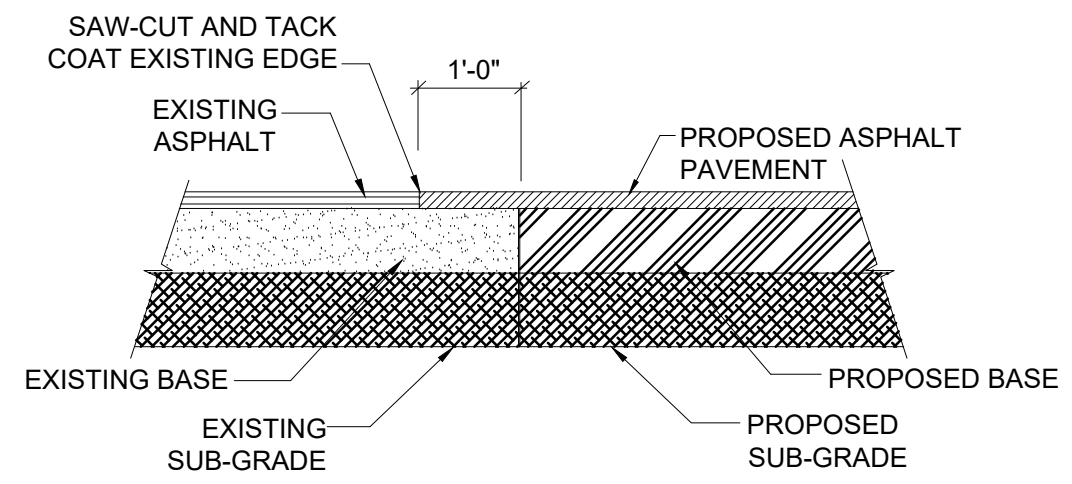
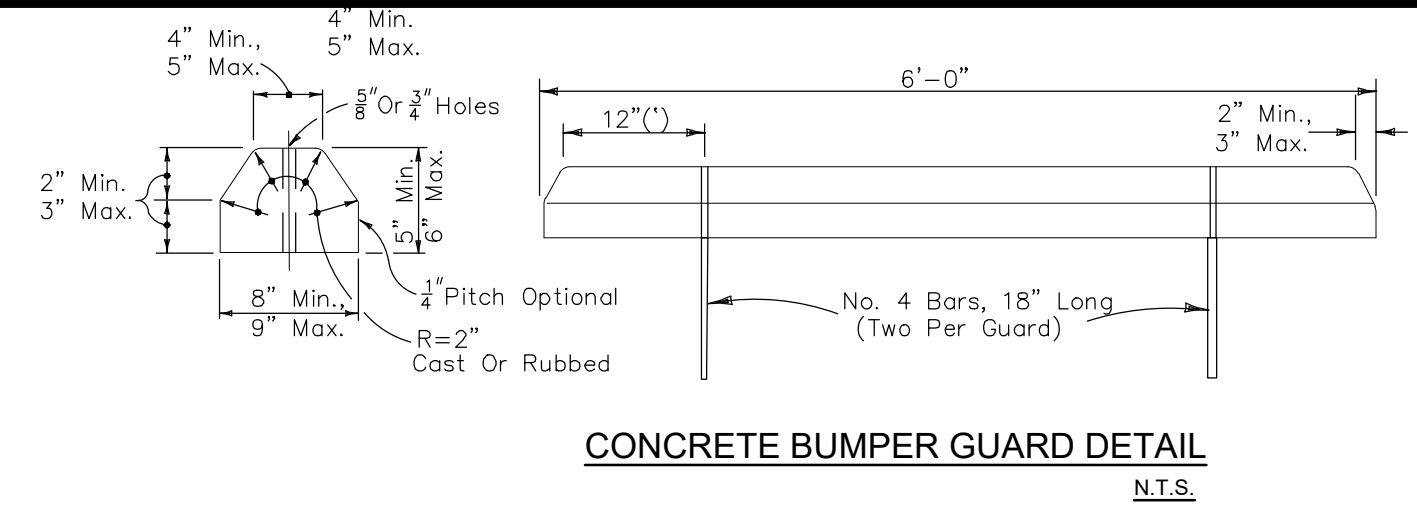
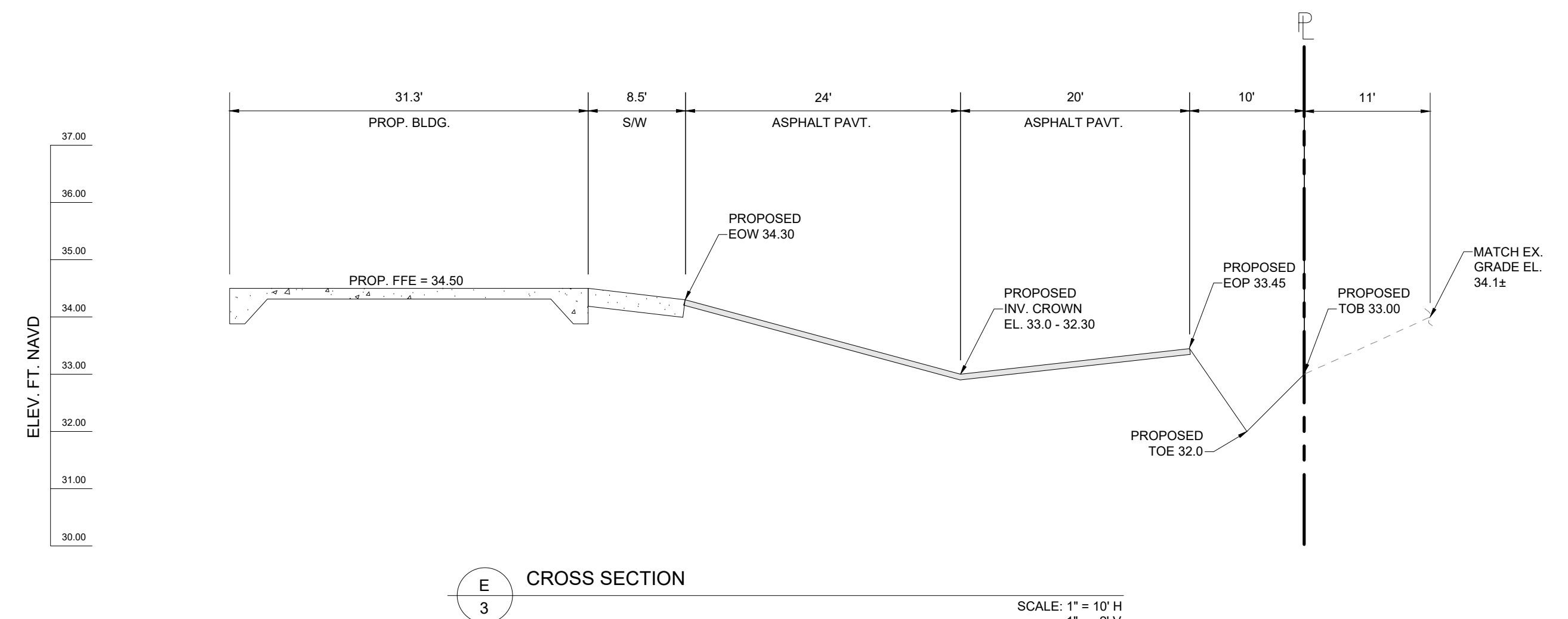
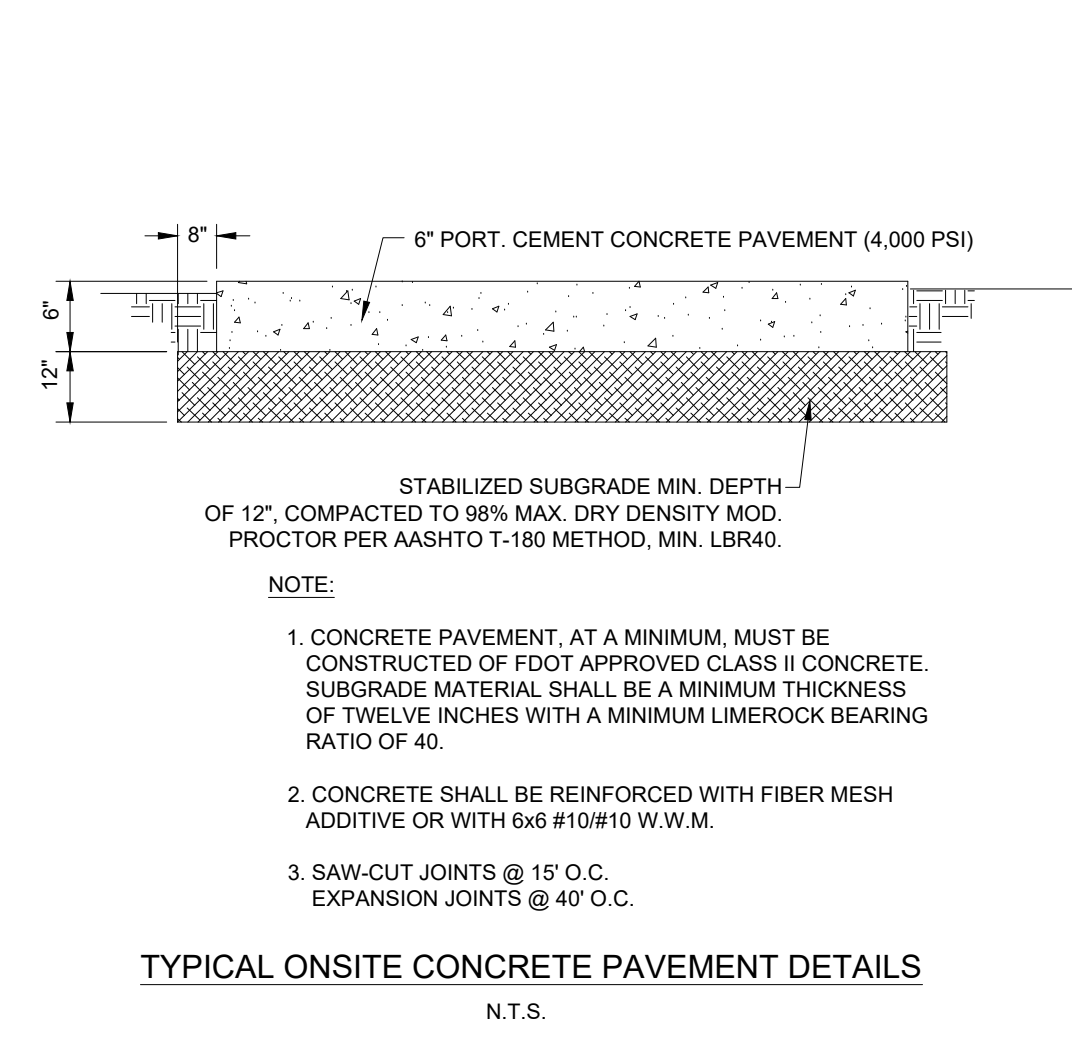
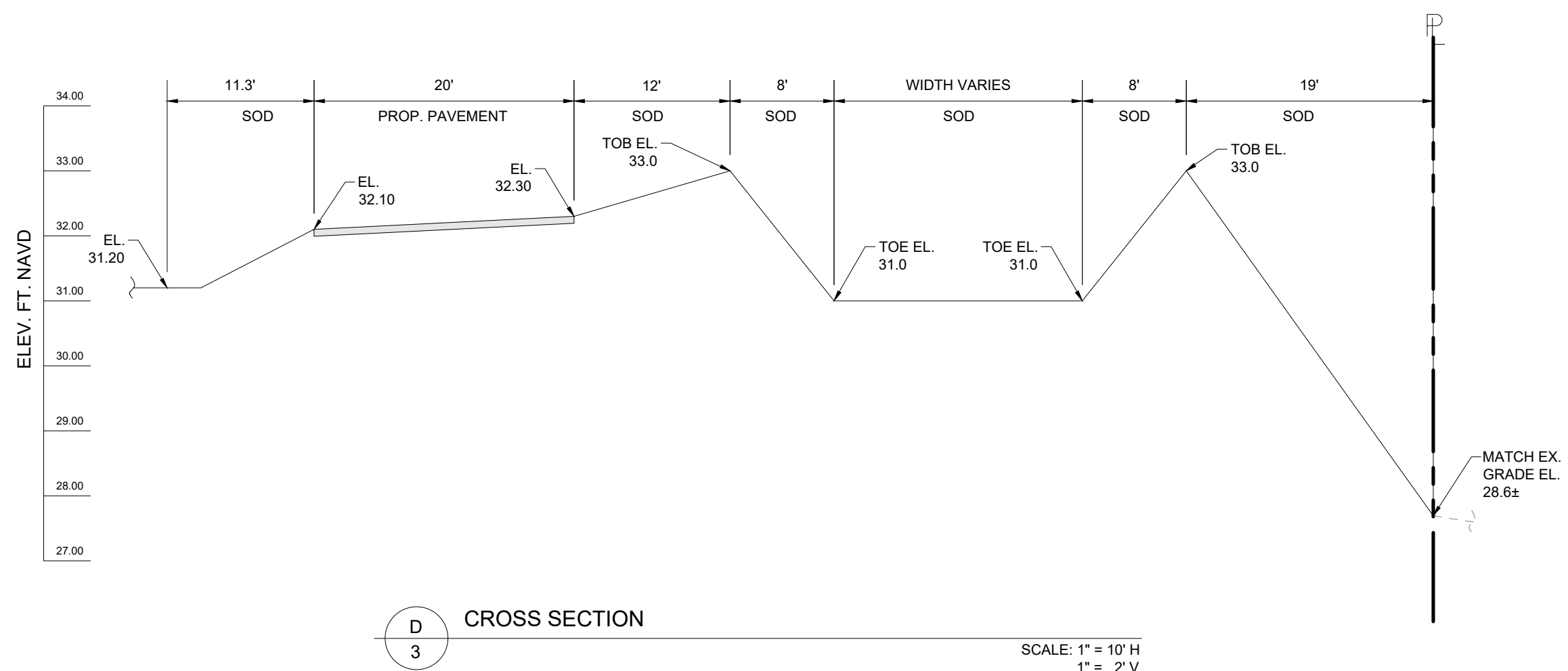
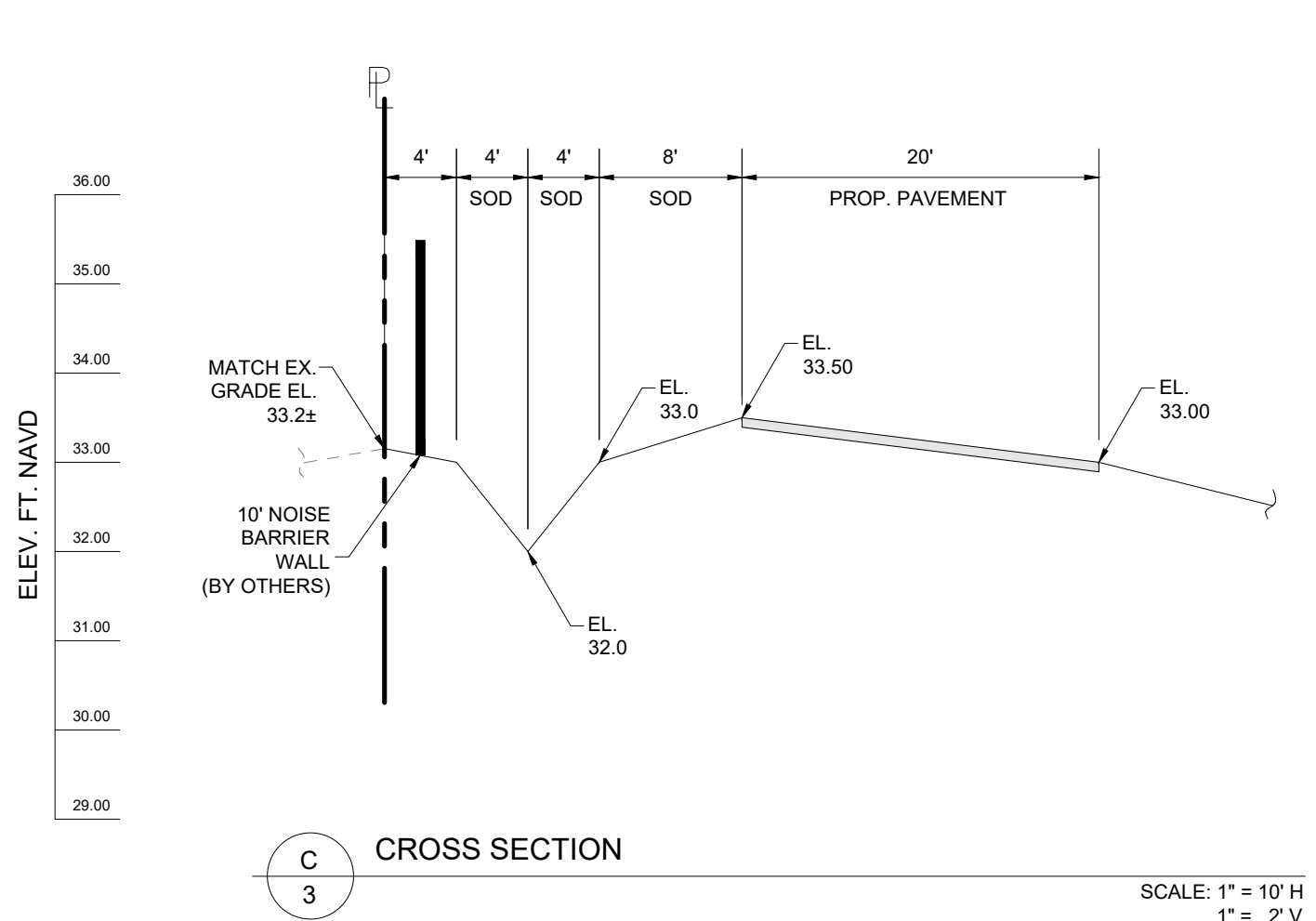
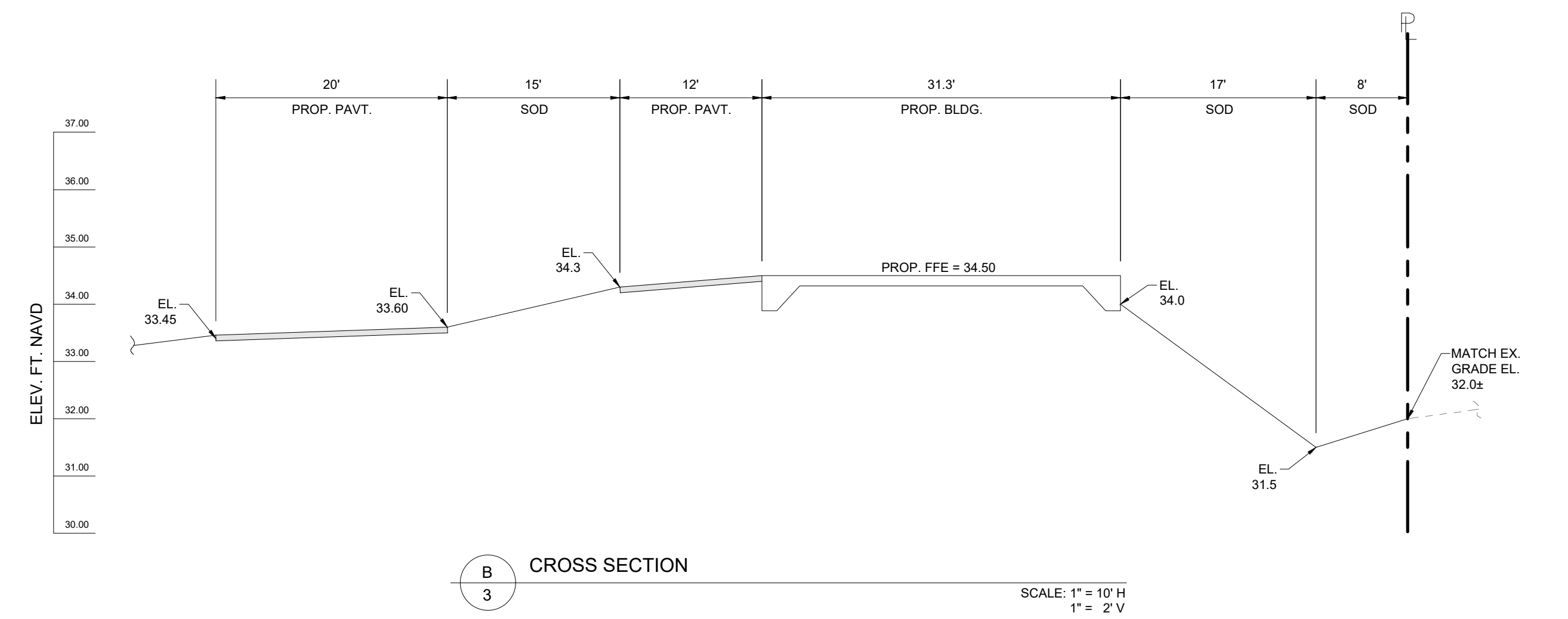
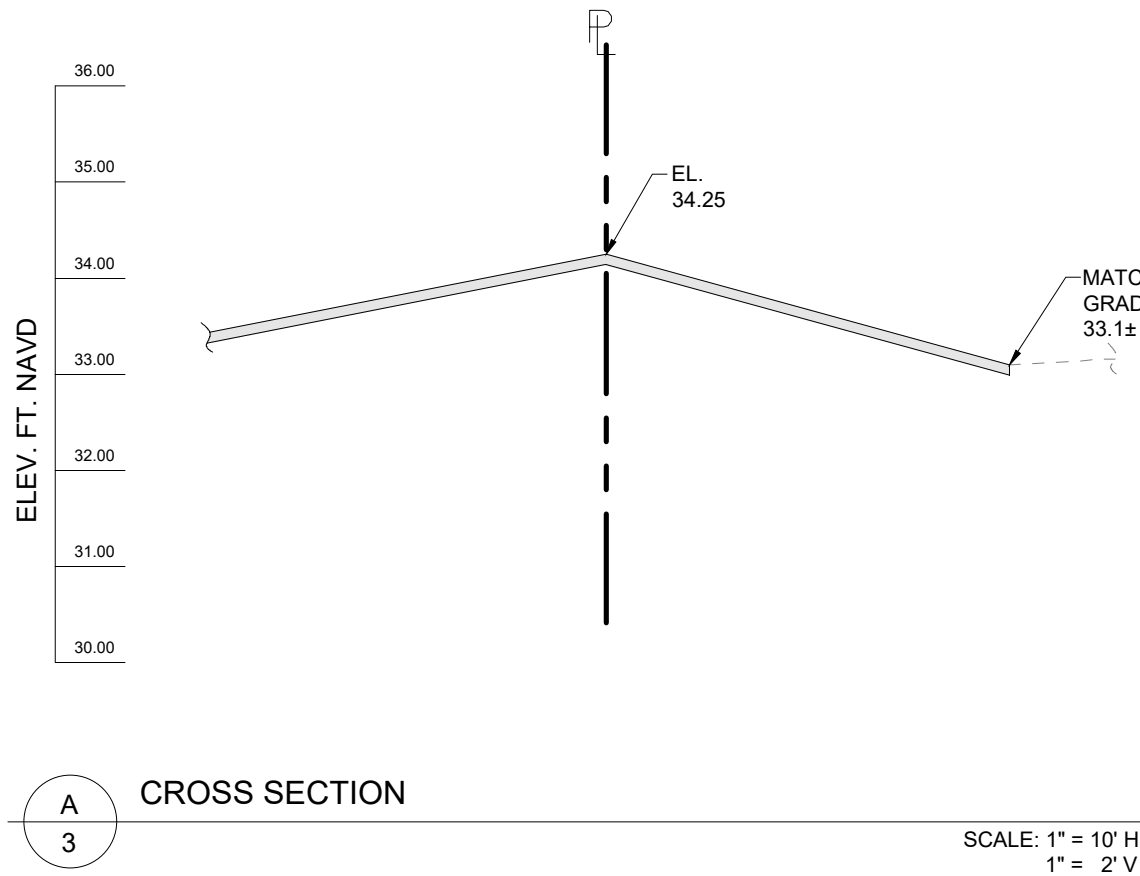
NOTE:

1. CONCRETE PAVEMENT, AT A MINIMUM, MUST BE CONSTRUCTED OF FDOT APPROVED CLASS II CONCRETE. SUBGRADE MATERIAL SHALL BE A MINIMUM THICKNESS OF TWELVE INCHES WITH A MINIMUM LIMEROCK BEARING RATIO OF 40.
2. CONCRETE SHALL BE REINFORCED WITH FIBER MESH ADDITIVE OR WITH 6x8 #10/10 W.W.M.
3. SAW-CUT JOINTS @ 15' O.C.
EXPANSION JOINTS @ 40' O.C.



- 
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- NOTES:
1. SLAB CONCRETE SHALL BE STRUCTURAL 3000 PSI
 2. SLAB SHALL CONSIST OF WWF 6x6-W14 THERMAL REINFORCEMENT TIED INTO BOTTOM FOOTER OR FIBERMESH
 3. TOP AND BOTTOM EDGES SHALL HAVE 6" WIDE THICKENED FOOTER PER SPECIFIED DIMENSIONS WITH #4 REBAR
 4. THE MITRED/CUT FACE OF THE PIPE SHALL BE COATED WITH A HIGH-BUILD, PROTECTIVE, SOLVENT-FREE, COLORED EPOXY COATING (SIKA SIKAGARD 62 EPOXY COATING OR EQUIVALENT APPROVED BY THE COUNTY ENGINEER).
 5. TOP EDGE FOOTING SHALL BE A MINIMUM OF 8" THICK WITH #4 REBAR IN BOTTOM 4" OF FOOTING. THE CAVITY BETWEEN PIPE AND SLAB/FOOTING SHALL BE FILLED WITH CLEAN BACKFILL, COMPACTED TO A MINIMUM 100% DENSITY AS DETERMINED BY AASHTO T-180, METHOD "C". WHEN BOTTOM OF 8" EDGE FOOTING IS ON PIPE, FILL CAVITY BETWEEN PIPE AND SLAB/FOOTING WITH CONCRETE.

MITERED END SECTION
NTS



REVISIONS:	
BY:	DATE:
JM	12-22-22
JM	05-14-25

INDIANTOWN
GO KART TRACK
INDIANTOWN, FLORIDA

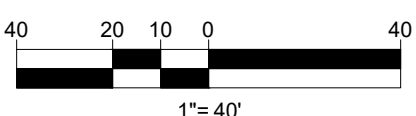
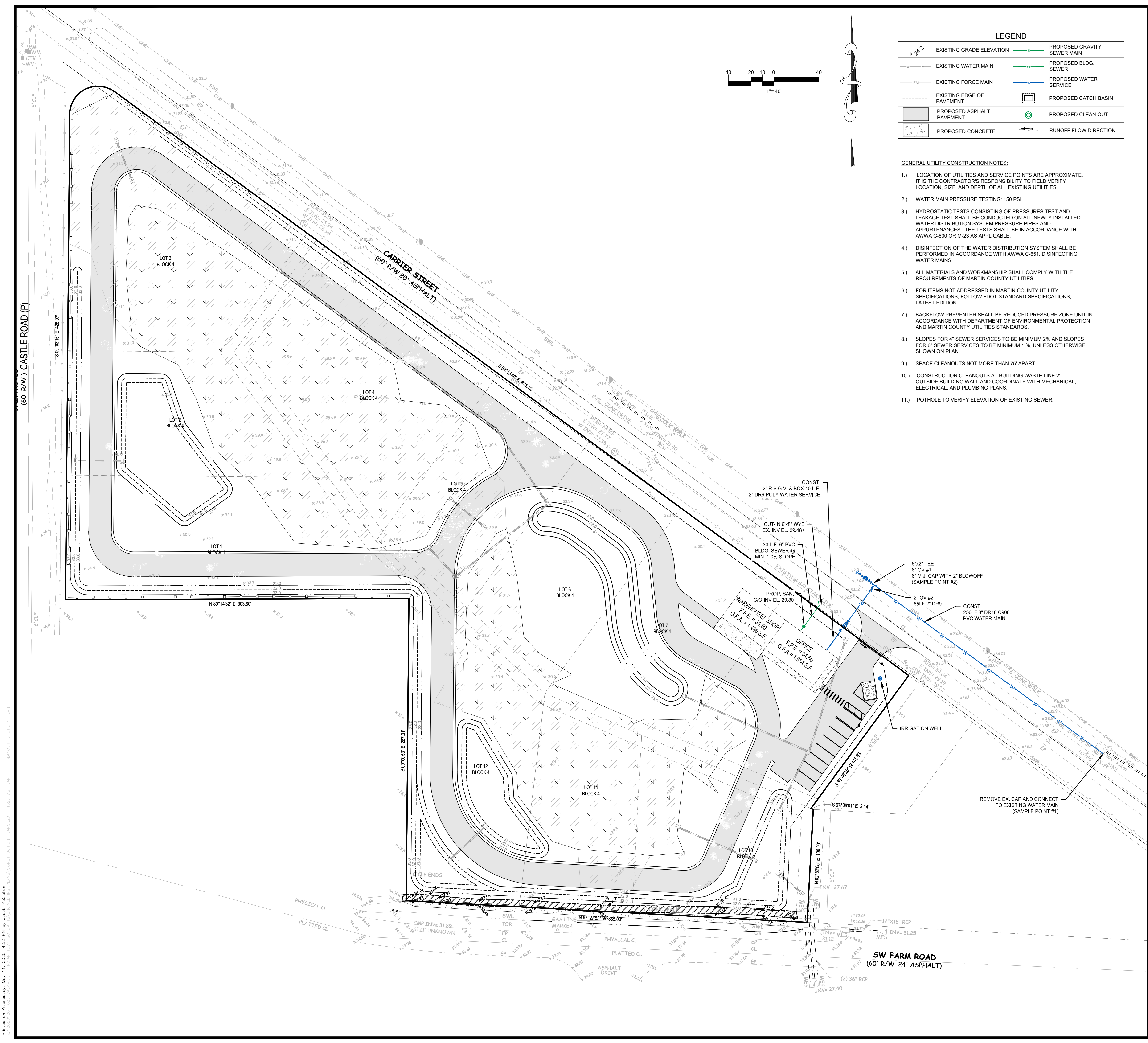
CLIENT:
CSV
PALM BEACH INC

DARREN GUETTLER, PE
FLORIDA LICENSE No. 74637
5/14/25

PROJECT No.: 20-1025
DRAWN BY: JM
CHECKED BY: DG
DATE: 5/14/2025
CAD I.D.: 20 - 1025 PGD DETAILS

SHEET TITLE:
PAGING GRADING
& DRAINAGE
SECTIONS

SHEET NUMBER:
03



LEGEND		
+2.2	EXISTING GRADE ELEVATION	PROPOSED GRAVITY SEWER MAIN
—	EXISTING WATER MAIN	PROPOSED BLDG. SEWER
FM	EXISTING FORCE MAIN	PROPOSED WATER SERVICE
—	EXISTING EDGE OF PAVEMENT	PROPOSED CATCH BASIN
—	PROPOSED ASPHALT PAVEMENT	PROPOSED CLEAN OUT
—	PROPOSED CONCRETE	RUNOFF FLOW DIRECTION

GENERAL UTILITY CONSTRUCTION NOTES:

- 1.) LOCATION OF UTILITIES AND SERVICE POINTS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY LOCATION, SIZE, AND DEPTH OF ALL EXISTING UTILITIES.
- 2.) WATER MAIN PRESSURE TESTING: 150 PSI.
- 3.) HYDROSTATIC TESTS CONSISTING OF PRESSURES TEST AND LEAKAGE TEST SHALL BE CONDUCTED ON ALL NEWLY INSTALLED WATER DISTRIBUTION SYSTEM PRESSURE PIPES AND APPURTENANCES. THE TESTS SHALL BE IN ACCORDANCE WITH AWWA C-600 OR M-23 AS APPLICABLE.
- 4.) DISINFECTION OF THE WATER DISTRIBUTION SYSTEM SHALL BE PERFORMED IN ACCORDANCE WITH AWWA C-651, DISINFECTING WATER MAINS.
- 5.) ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE REQUIREMENTS OF MARTIN COUNTY UTILITIES.
- 6.) FOR ITEMS NOT ADDRESSED IN MARTIN COUNTY UTILITY SPECIFICATIONS, FOLLOW FOOT STANDARD SPECIFICATIONS, LATEST EDITION.
- 7.) BACKFLOW PREVENTER SHALL BE REDUCED PRESSURE ZONE UNIT IN ACCORDANCE WITH DEPARTMENT OF ENVIRONMENTAL PROTECTION AND MARTIN COUNTY UTILITIES STANDARDS.
- 8.) SLOPES FOR 4" SEWER SERVICES TO BE MINIMUM 2% AND SLOPES FOR 8" SEWER SERVICES TO BE MINIMUM 1% UNLESS OTHERWISE SHOWN ON PLAN.
- 9.) SPACE CLEANOUTS NOT MORE THAN 75' APART.
- 10.) CONSTRUCTION CLEANOUTS AT BUILDING WASTE LINE 2' OUTSIDE BUILDING WALL AND COORDINATE WITH MECHANICAL, ELECTRICAL, AND PLUMBING PLANS.
- 11.) POT HOLE TO VERIFY ELEVATION OF EXISTING SEWER.

WATER DISTRIBUTION NOTES:

1. ALL CONSTRUCTION MATERIAL, INSTALLATION AND TESTING SHALL CONFORM TO THE STANDARD SPECIFICATIONS OF THE VOIUSD.
2. WATER MAIN WHERE SPECIFIED AS POLYVINYL CHLORIDE (PVC), SHALL CONFORM TO AWWA C-900 OR C-905, PRESSURE CLASS 150, DR (18). WATER MAIN WHERE SPECIFIED AS POLYETHYLENE (PE), SHALL CONFORM TO AWWA C-901 OR C-906, STANDARD CODE DESIGNATION PE3408, PIPE CLASS 200, DIMENSION RATIO, DR (9).
3. POLYVINYL CHLORIDE WATER MAIN SHALL BE BLUE IN COLOR.
4. FITTINGS SHALL BE CAST OR DUCTILE IRON, CONFORMING TO AWWA C-110 AND ANSI A21.11, CLASS 250 MINIMUM, CEMENT LINED, AND SEAL COATED.
5. GATE VALVES SHALL BE RESILIENT SEAT TYPE BY AN APPROVED MANUFACTURER AS DETERMINED BY THE VOIUSD. VALVES SHALL CONFORM TO AWWA C-509.
6. WATER LINES SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH VOIUSD DESIGN AND CONSTRUCTION STANDARDS. THE CONTRACTOR SHALL SUBMIT CERTIFIED DENSITY TESTS AS REQUIRED BY THE VOIUSD, AS APPLICABLE. IN CASES WHERE PAVED AREAS FALL WITHIN THE JURISDICTION OF LOCAL OR STATE AGENCIES, THE COMPACTION REQUIREMENTS SHALL NOT BE LESS THAN THE MINIMUM REQUIRED BY THE APPROPRIATE RESPONSIBLE AGENCY.
7. NO FIELD CHANGES OR DEVIATIONS FROM THE DESIGN SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE VOIUSD AND THE ENGINEER OF RECORD.
8. THE CONTRACTOR SHALL NOTIFY THE VOIUSD AND CITY ENGINEERING 48 HOURS PRIOR TO COMMENCING CONSTRUCTION AND PRIOR TO ALL INSPECTIONS.
9. A PRE-CONSTRUCTION CONFERENCE BETWEEN THE ENGINEER, THE CONTRACTOR, AND VOIUSD REPRESENTATIVES SHALL BE MANDATORY PRIOR TO COMMENCEMENT OF CONSTRUCTION.
10. MINIMUM COVER SHALL BE 36 INCHES EXCEPT AS APPROVED BY THE UTILITIES ENGINEER AND VOIUSD.
11. DISTURBED AREAS SHALL BE RESTORED IN CONFORMANCE WITH THE APPLICABLE GOVERNING AGENCY REQUIREMENTS.
12. EXISTING UTILITIES AND DRAINAGE SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION AND PROTECTED BY THE CONTRACTOR.
13. WATER MAINS SHALL BE TESTED AND DISINFECTED IN ACCORDANCE WITH THE APPLICABLE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND AWWA C-651 FOR DISINFECTION.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EXISTING UTILITIES AND DRAINAGE.
15. THE CONTRACTOR SHALL FURNISH RECORD DRAWING INFORMATION TO THE ENGINEER INCLUDING LOCATIONS OF VALVES, FITTINGS, SERVICE CONNECTIONS, BLOWOFFS, AIR RELEASE VALVES, AND ANY OTHER PERTINENT INFORMATION NECESSARY TO LOCATE ITEMS CONSTRUCTED UNDER THIS PROJECT, AS REQUIRED BY THE ENGINEER AND VOIUSD STANDARDS.
16. THE CONTRACTOR SHALL TAP EXISTING LINES UNDER THE SUPERVISION OF THE VOIUSD ONLY AFTER TESTING AND DISINFECTION HAS BEEN COMPLETED AND APPROVED ON THE TAPPING VALVE AND SLEEVE.
17. WATER MAIN SHALL BE MARKED BY THE USE OF CONTINUOUS 14 GAUGE INSULATED SOLID COPPER WIRE (BLUE IN COLOR) AND IDENTIFICATION TAPE WITH "WATER" MARKED ON TAPE, PERMANENTLY ATTACHED TO THE TOP OF THE WATER MAIN IN ACCORDANCE WITH THE VOIUSD SPECIFICATIONS.
18. MECHANICAL RESTRAINTS TO BE USED ON ALL FITTINGS AND PLACED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND VOIUSD REQUIREMENTS.
19. ALL WATER MAINS SHALL BE TESTED AT A MINIMUM OF 150 PSI. TESTING METHODS SHALL CONFORM TO AWWA C-600 - 2 HR MINIMUM TEST
20. PRIOR TO ANY TESTING, ALL MAINS 6" IN DIA. AND LARGER SHALL HAVE A LINE SIZE SWAB PASSED THRU THE ENTIRE LENGTH OF THE LINE. NOTE: SWAB SHOULD BE PLACED IN 1ST JOINT OF NEW LINE. END OF MAIN SHOULD BE TURNED UP AT 45% AND EXTENDED SO THAT SWABBING AND A FULL BOILER FLUSH CAN BE ACCOMPLISHED. BLOW-OFF ASSEMBLY CAN THEN BE PLACED, WHERE LINES BRANCH, SWABS WILL BE PLACED IN BRANCH LINES AND SEQUENTIALLY SWABBED AND FLUSHED.
21. CONTRACTOR SHALL COMPLY WITH FLORIDA TRENCH SAFETY ACT REQUIREMENTS.

STANDARD POTABLE WATER SEPARATION STATEMENT:

1. SANITARY SEWERS (INCLUDING LATERALS), FORCE MAINS, GAS MAINS AND STORM SEWERS SHOULD CROSS UNDER WATER MAINS. SANITARY SEWERS, FORCE MAINS, GAS MAINS, AND STORM SEWERS CROSSING WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE.
2. A MINIMUM 10 FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ANY TYPE OF SEWER AND WATER MAIN IN PARALLEL INSTALLATIONS.
3. MAXIMUM OBTAINABLE SEPARATION OF RECLAIMED WATER LINES AND DOMESTIC WATER LINES SHALL BE PRACTICED. A MINIMUM HORIZONTAL SEPARATION OF FIVE FEET (CENTER TO CENTER) OR THREE FEET (OUTSIDE TO OUTSIDE), SHALL BE MAINTAINED BETWEEN RECLAIMED WATER LINES AND EITHER POTABLE WATER MAINS OR SEWAGE COLLECTION LINES. A MINIMUM VERTICAL CLEARANCE OF 18 INCHES MUST BE MAINTAINED BETWEEN RECLAIMED WATER LINES AND POTABLE WATER MAINS OR SEWAGE COLLECTION LINES. AT CROSSINGS, PROVISIONS OF FAC RULE 62- 604 AND "RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES" (10 STATES STANDARDS) LATEST EDITION SHALL APPLY.
4. HORIZONTAL SEPARATION OF 15 FEET TO BUILDING, TOP OF BANKS OF LAKES AND CANALS AND OTHER STRUCTURES SHALL BE MAINTAINED, IF POSSIBLE. AN ABSOLUTE MINIMUM OF 10 FEET MAY BE ALLOWED ONLY WHEN UNAVOIDABLE.
5. ALL UTILITY SEPARATIONS & CLEARANCES SHALL BE IN ACCORDANCE WITH VOIUSD STANDARD TECHNICAL SPECIFICATIONS, LATEST EDITION.

HYDROSTATIC AND LEAKAGE TESTING

- A. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT SUCH AS PUMPS, GAUGES AND WATER MEASURING TANKS AND SHALL PERFORM ALL WORK REQUIRED FOR PIPE PRESSURE AND LEAKAGE TEST. HYDROSTATIC AND LEAKAGE TESTS SHALL BE MADE BETWEEN VALVES AND/OR CONNECTORS FOR EACH SECTION TESTED USING THE PROCEDURE OUTLINE IN ANSI/AWWA C600.
- B. HYDROSTATIC TESTING SHALL BE PERFORMED AT 150 AND 100 POUNDS PER SQUARE INCH PRESSURE, FOR A PERIOD OF NOT LESS THAN TWO HOURS FOR WATER/FORCE MAINS AND LOW PRESSURE MAINS RESPECTIVELY. THE ALLOWABLE RATE OF LEAKAGE SHALL BE LESS THAN THE NUMBER OF GALLONS PER HOUR DETERMINED BY THE FOLLOWING FORMULA:
- $$L = \frac{SD(P)^2}{148,000}$$
- L = ALLOWABLE LEAKAGE IN GALLONS PER HOUR.
S = LENGTH OF PIPE TESTED, FEET.
D = NOMINAL DIAMETER OF THE PIPE IN INCHES.
P = AVERAGE TEST PRESSURE MAINTAINED DURING THE LEAKAGE TEST IN POUNDS PER SQUARE INCH GAUGE.
- C. THE TESTING PROCEDURE SHALL INCLUDE THE CONTINUED APPLICATION OF THE SPECIFIED PRESSURE TO THE TEST SYSTEM FOR THE TWO-HOUR PERIOD BY WAY OF A PUMP TAKING SUPPLY FROM A CONTAINER SUITABLE FOR MEASURING WATER LOSS. THE AMOUNT OF LOSS SHALL BE DETERMINED BY MEASURING THE VOLUME DISPLACED FROM SAID CONTAINER, ANY EXPOSED PIPE, FITTINGS, VALVES, HYDRANTS, AND JOINTS SHALL BE EXAMINED DURING THE TEST. ANY DAMAGED OR DEFECTIVE PIPE FITTINGS, VALVES, OR HYDRANTS THAT ARE DISCOVERED FOLLOWING THE PRESSURE TEST SHALL BE REPAIRED OR REPLACED WITH SOUND MATERIAL, AND ALL TESTS SHALL BE REPEATED.
- D. THE PRESSURE SHALL NOT VARY BY MORE THAN ±5 PSI FROM THE REQUIRED PRESSURE FOR THE DURATION OF THE TEST. IF AT ANY POINT DURING THE TEST THE PRESSURE LOSS EXCEEDS 5 PSI, THE TEST IS CONSIDERED FAILED. SHOULD THE TEST FAIL, NECESSARY REPAIRS SHALL BE ACCOMPLISHED BY THE CONTRACTOR AND THE TEST REPEATED UNTIL WITHIN THE ESTABLISHED LIMITS.

ENGINEERING & SURVEYING, LLC
1449 NW COMMERCIAL CENTRE DR
PORT ST. LUCIE, FL 34986
PHONE: (772) 878-5477
FIRE C.O.A. # 3222

REVISIONS:

BY:	DATE:	COMMENT:
JM	12-22-22	REVISIONS PER DRC COMMENTS
JM	05-14-25	REVISIONS PER DRC COMMENTS

PROJECT: INDIANTOWN GO KART TRACK INDIANTOWN, FLORIDA

CLIENT: CSV PALM BEACH INC

DARREN GUETTLER, PE
FLORIDA LICENSE No. 74637
5/14/25

PROJECT No.: 20-1025
DRAWN BY: JIM DG
CHECKED BY: 5/14/2025
CAD I.D.: 20 - 1025 WS PLAN

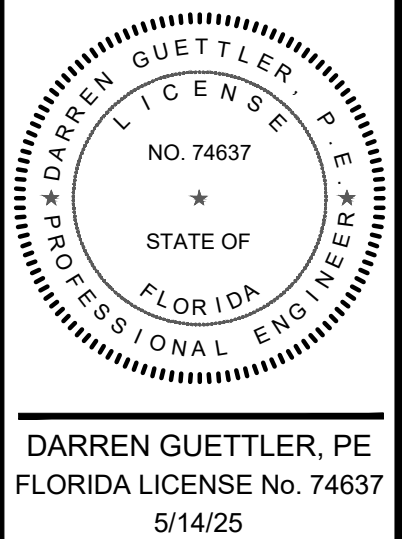
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SHEET NUMBER: 05

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BY:	DATE:	
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PROJECT: INDIANTOWN
GO KART TRACK
INDIANTOWN, FLORIDA

CLIENT: CSV
PALM BEACH INC

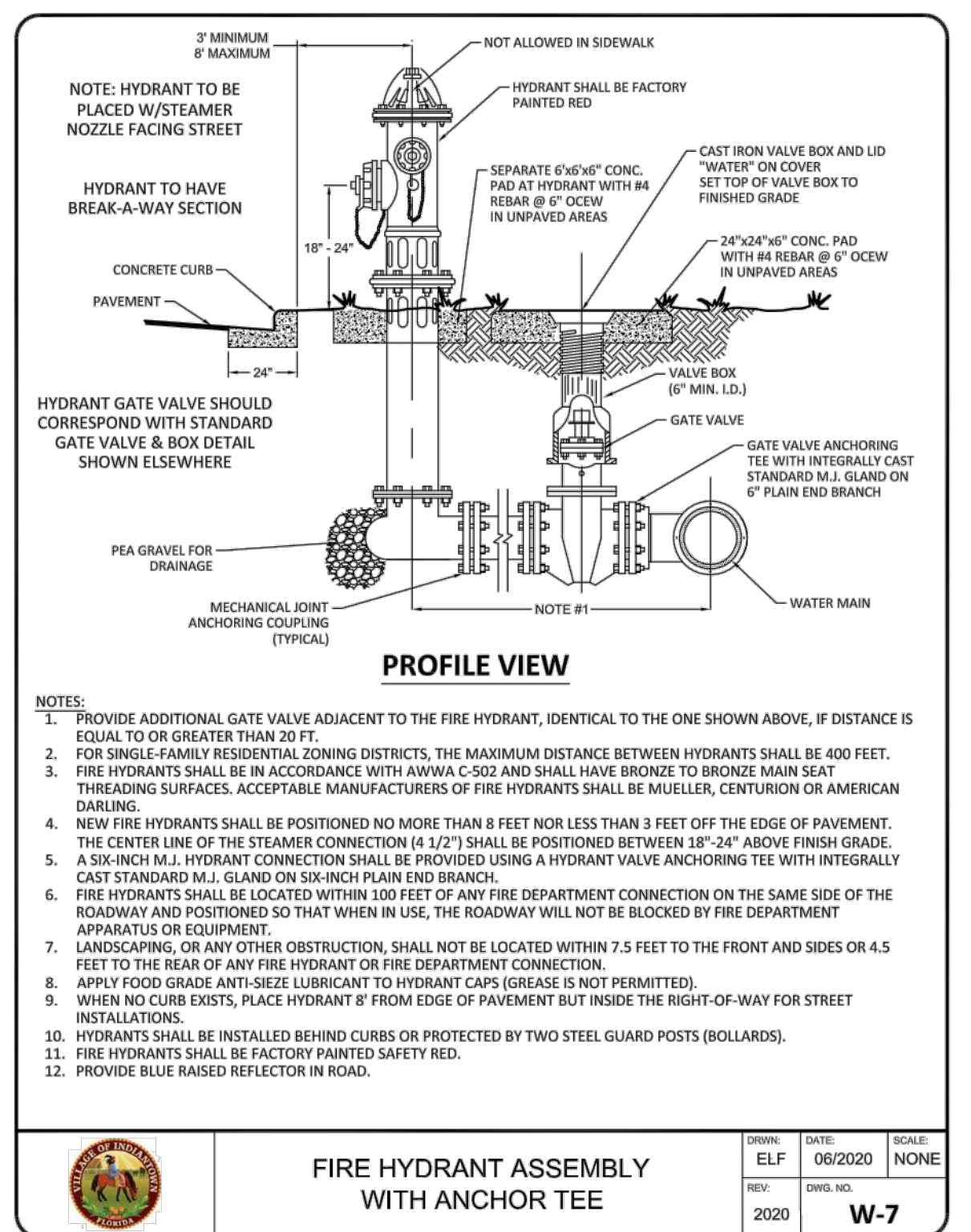
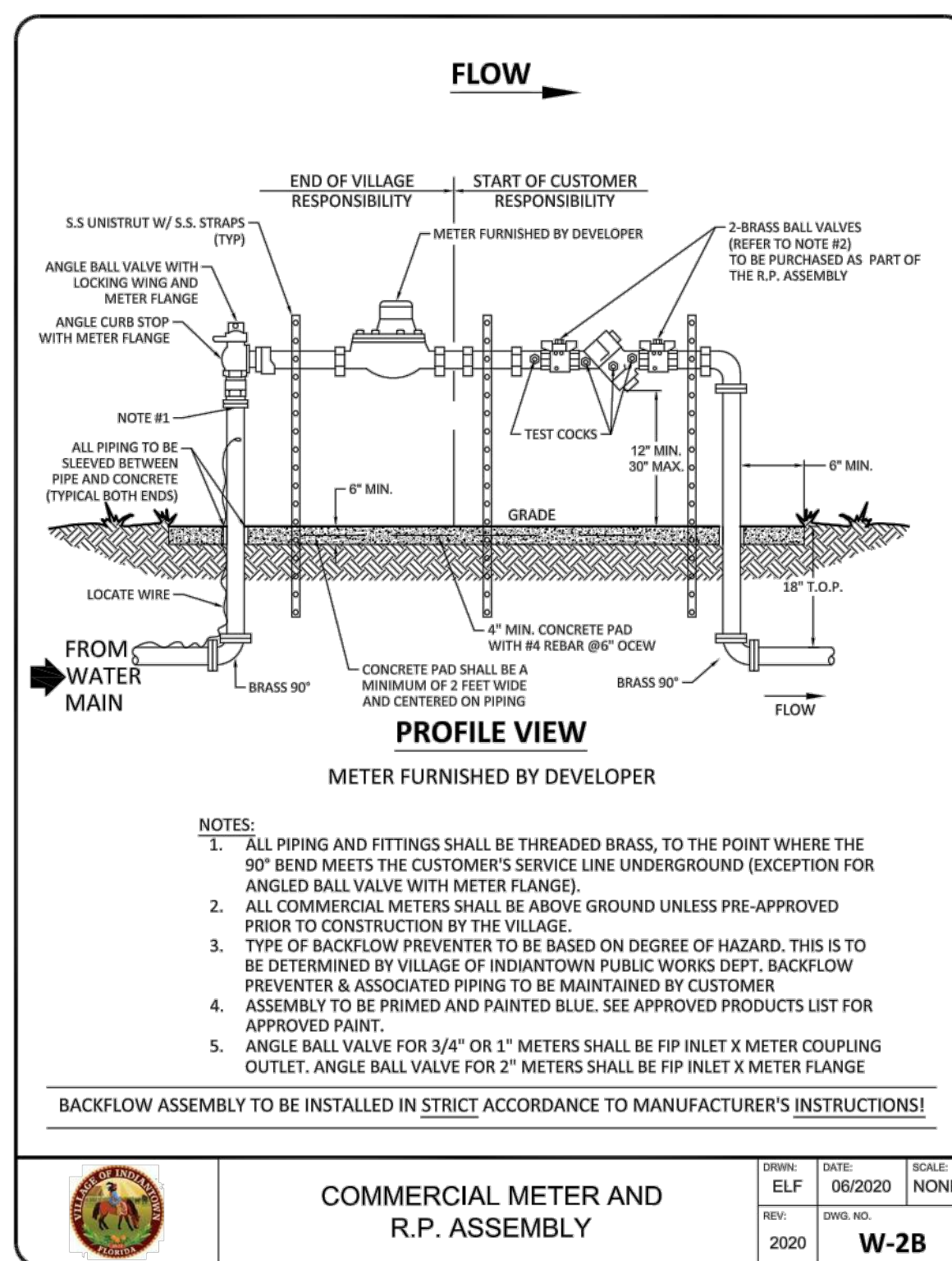
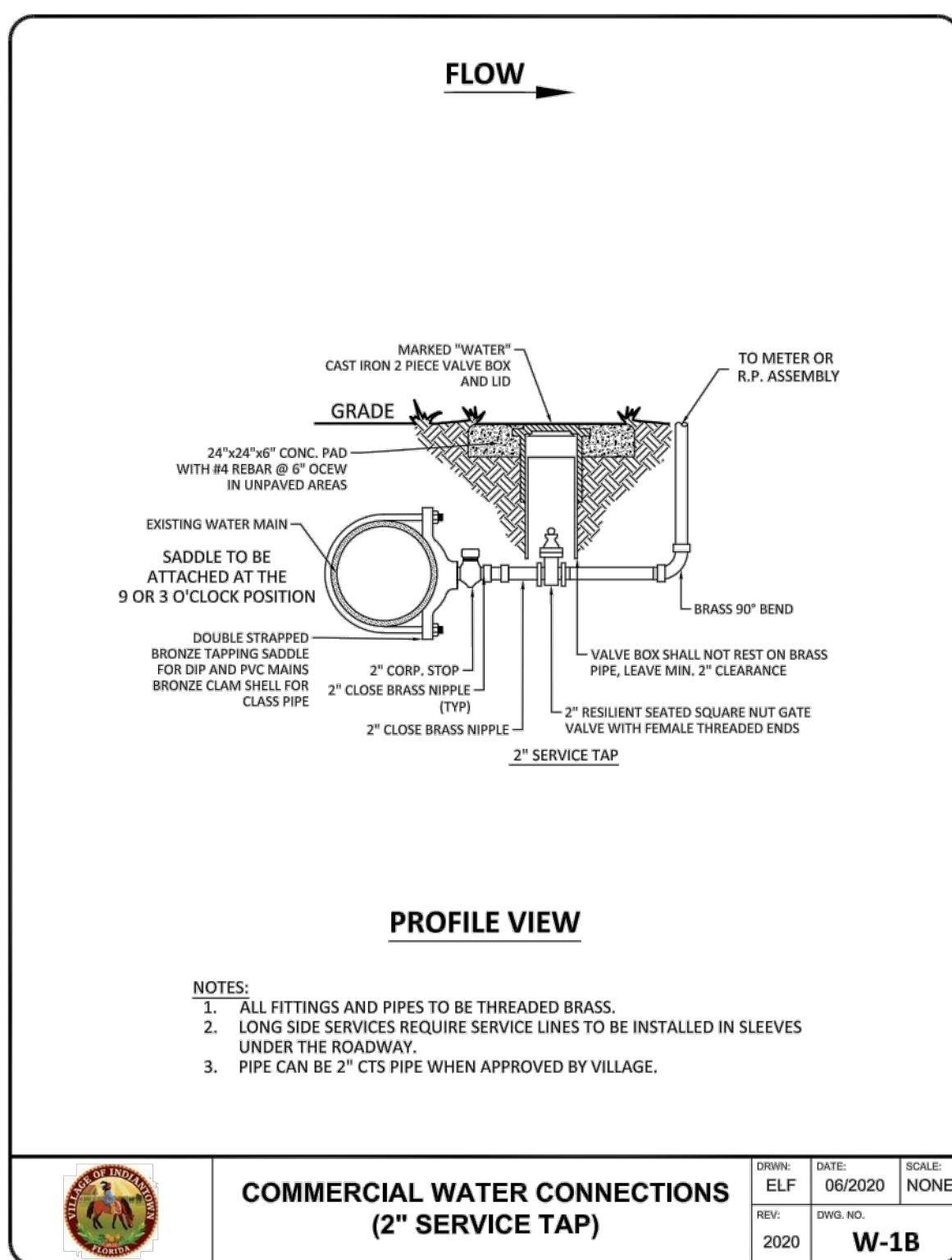
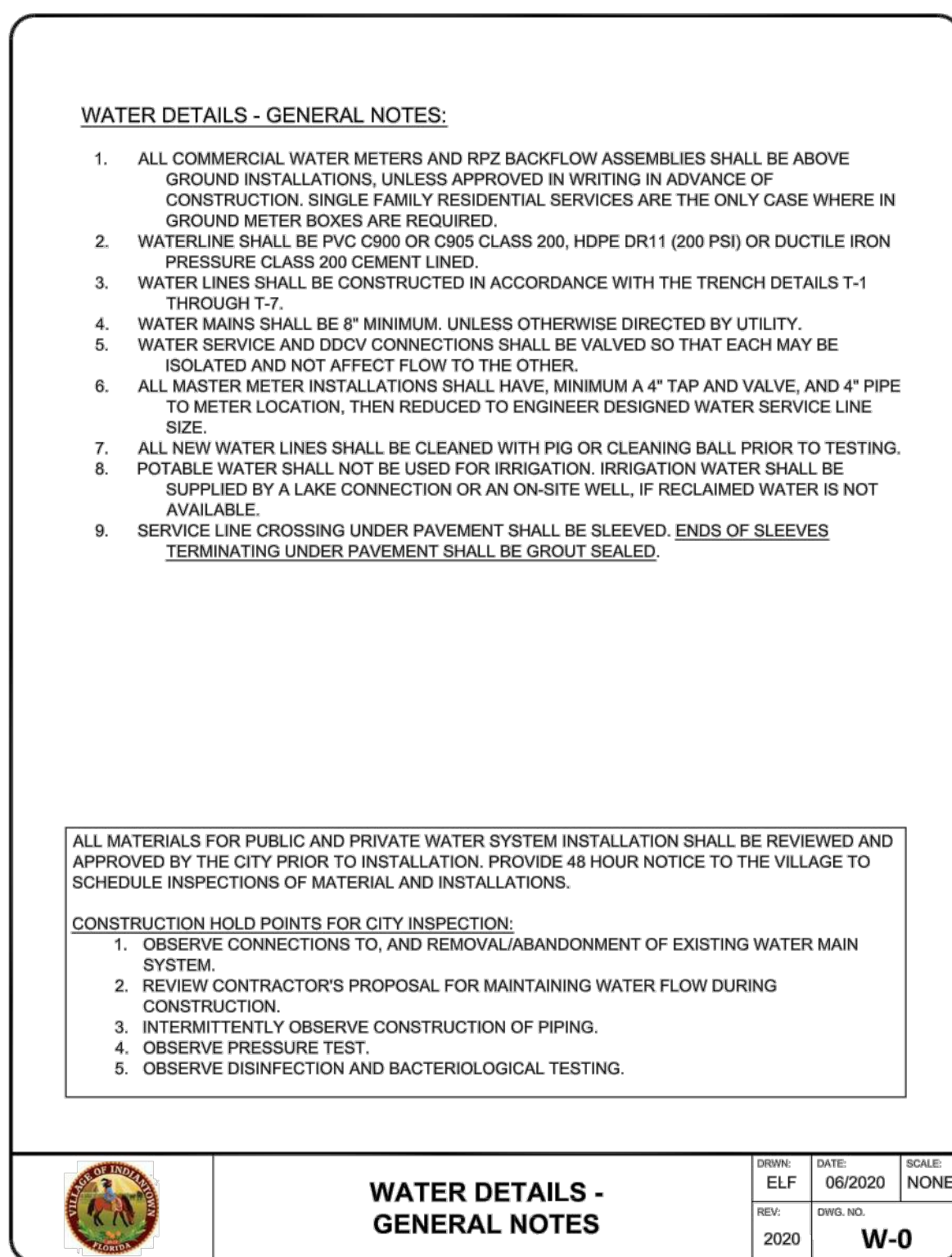
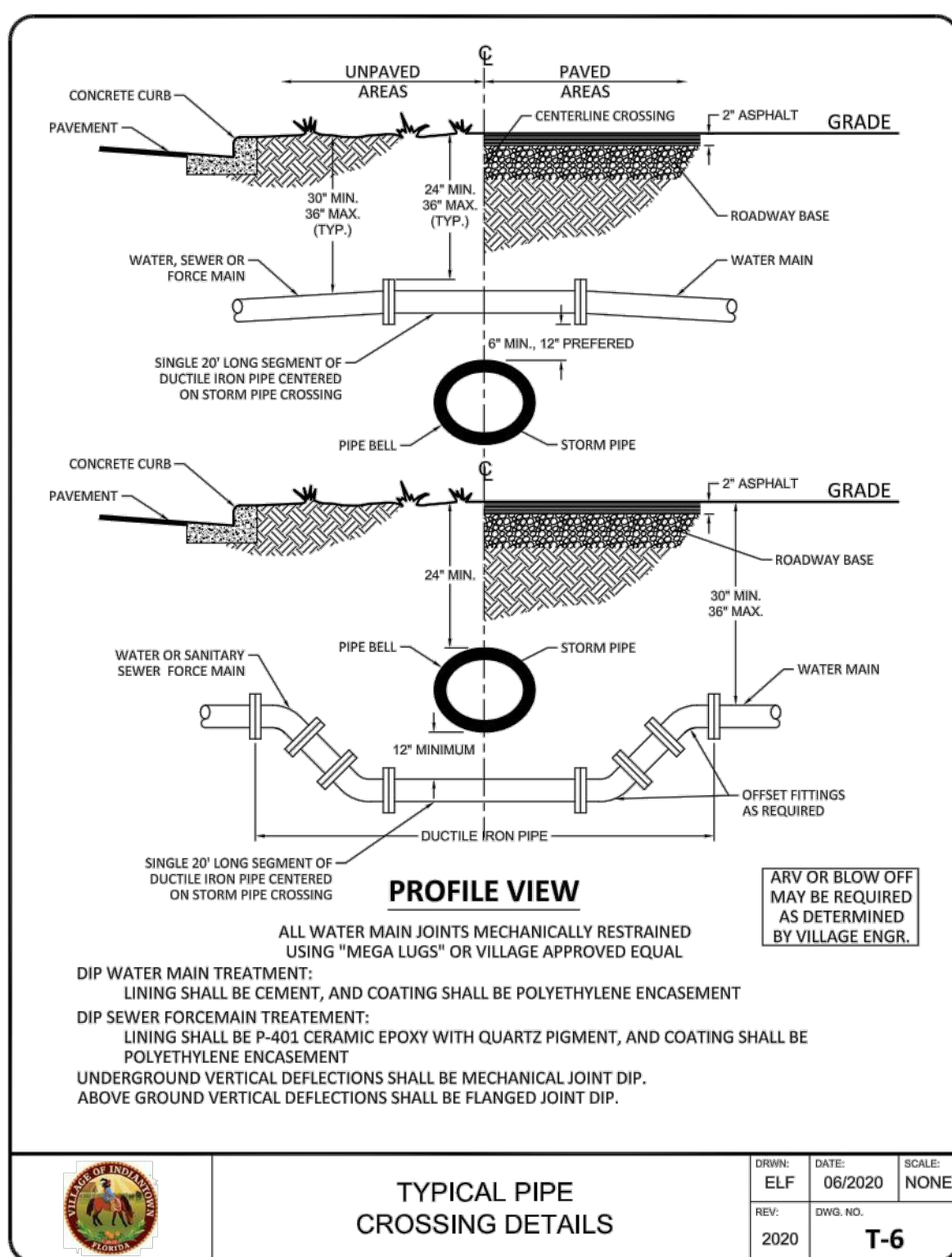
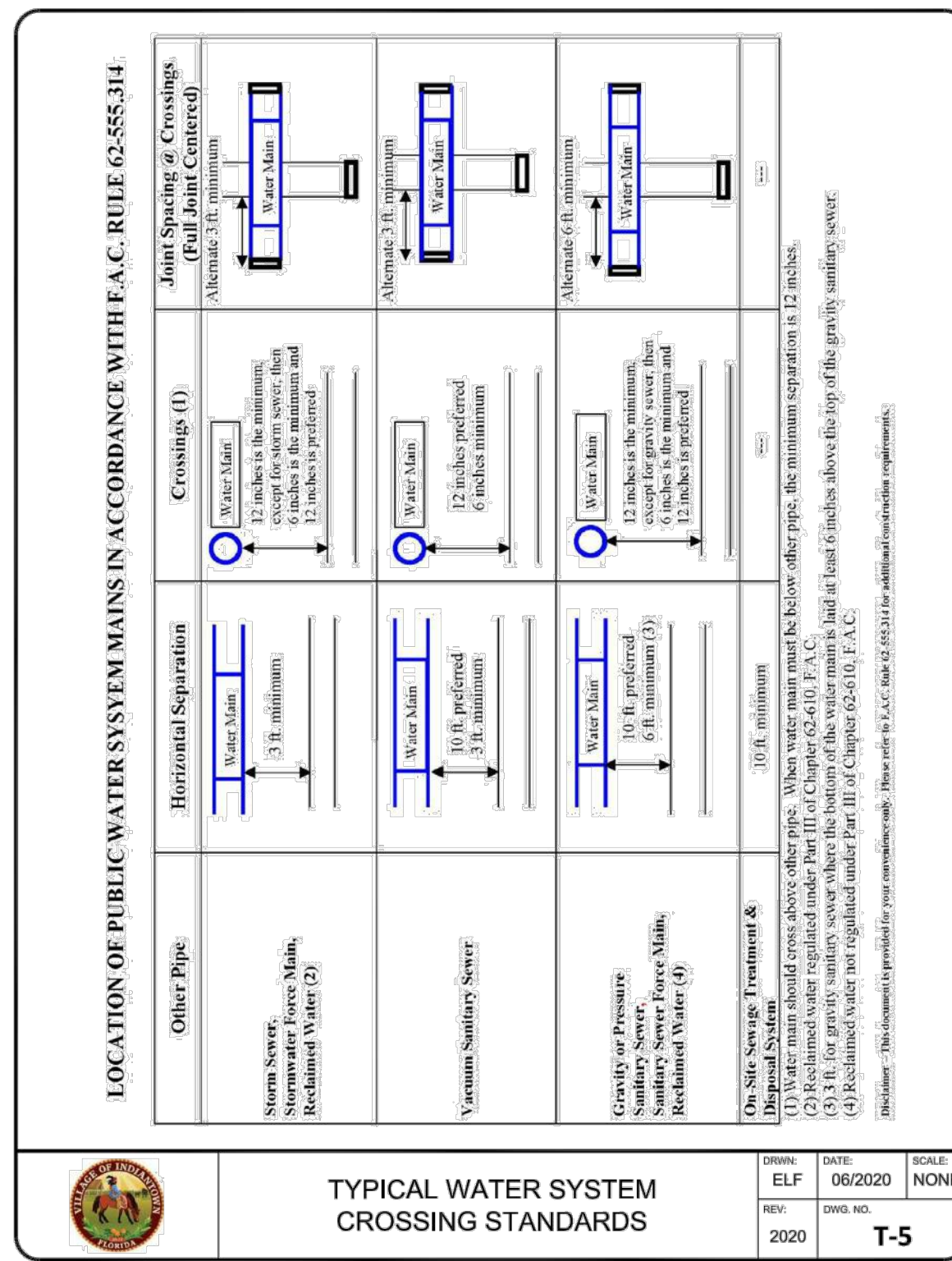
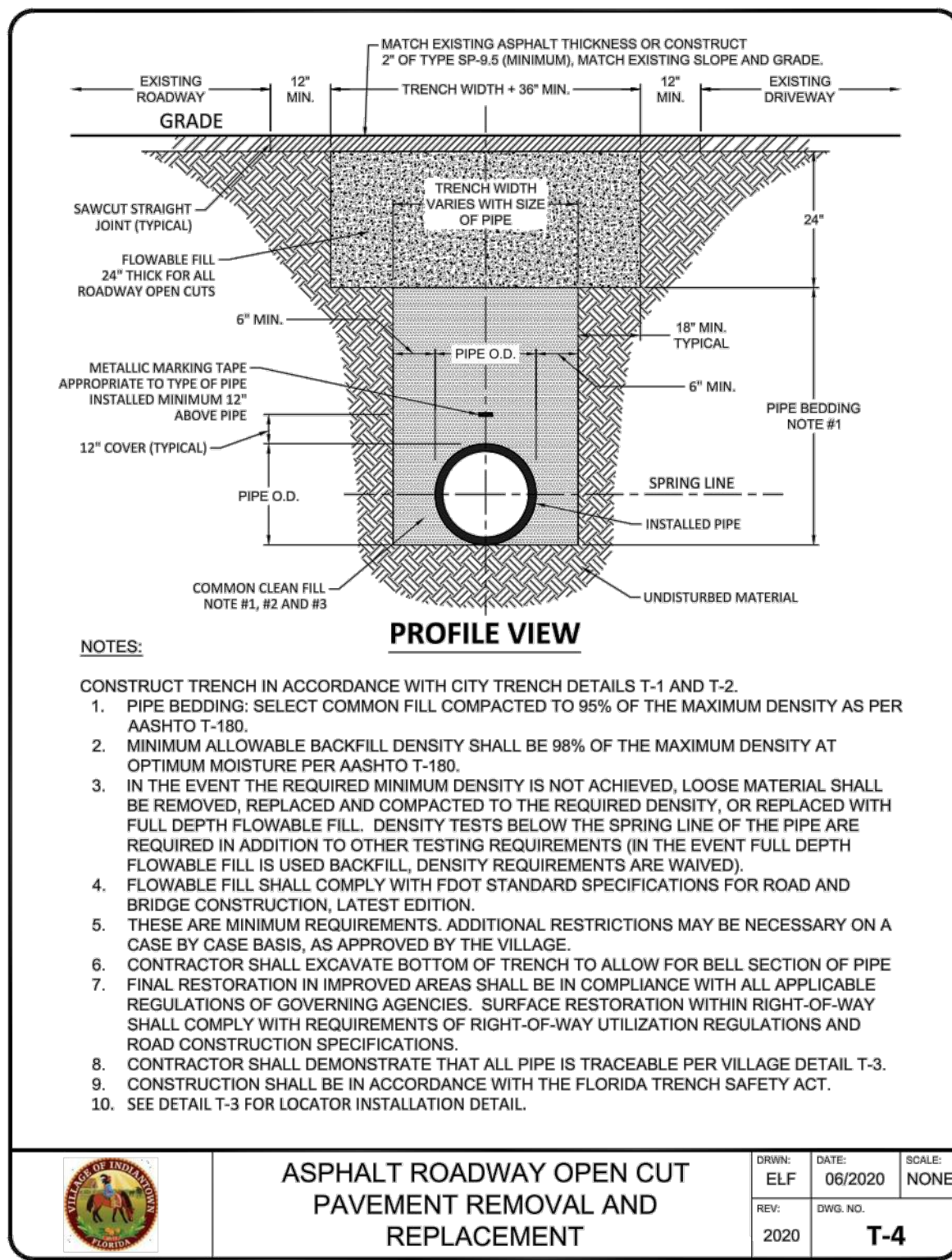
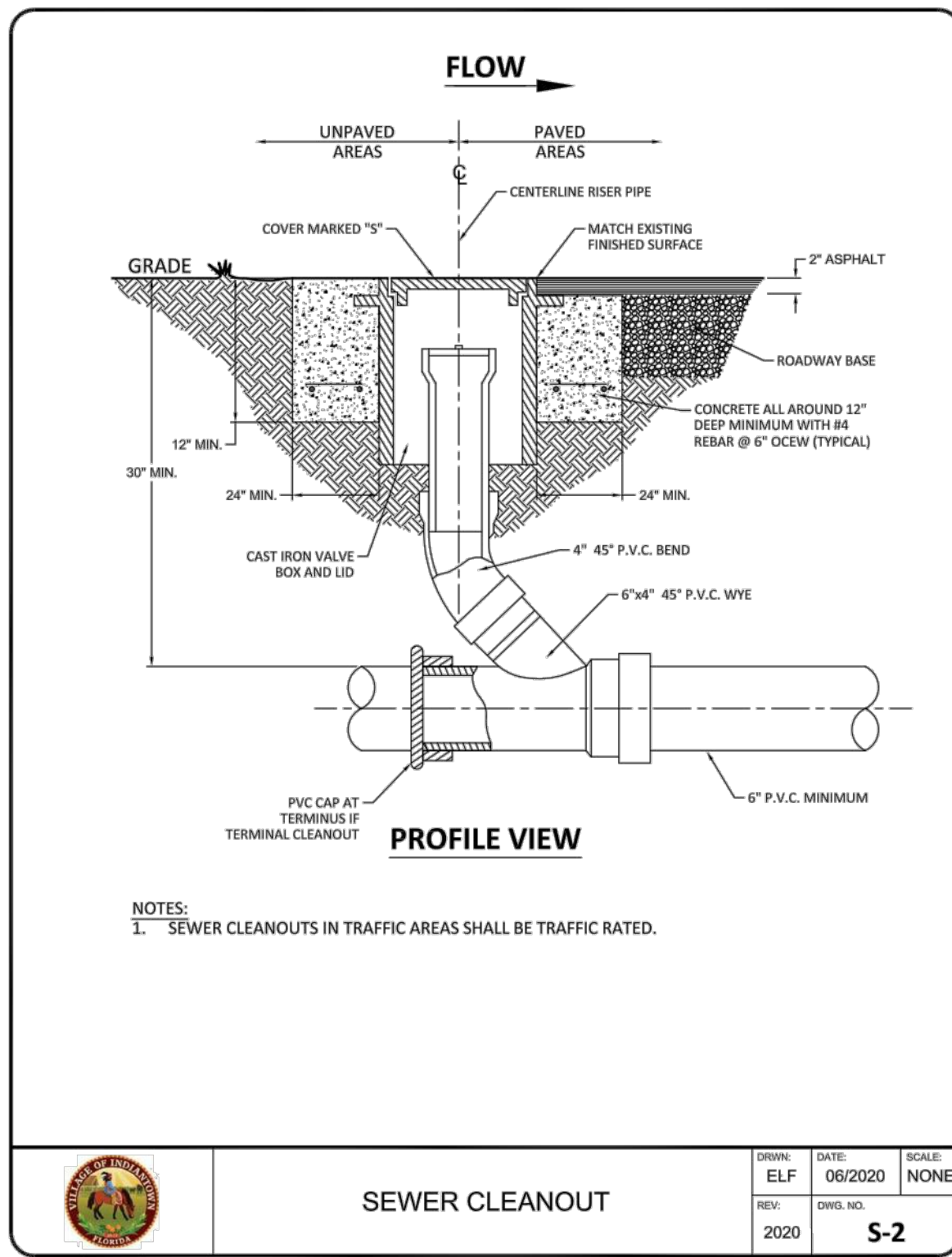
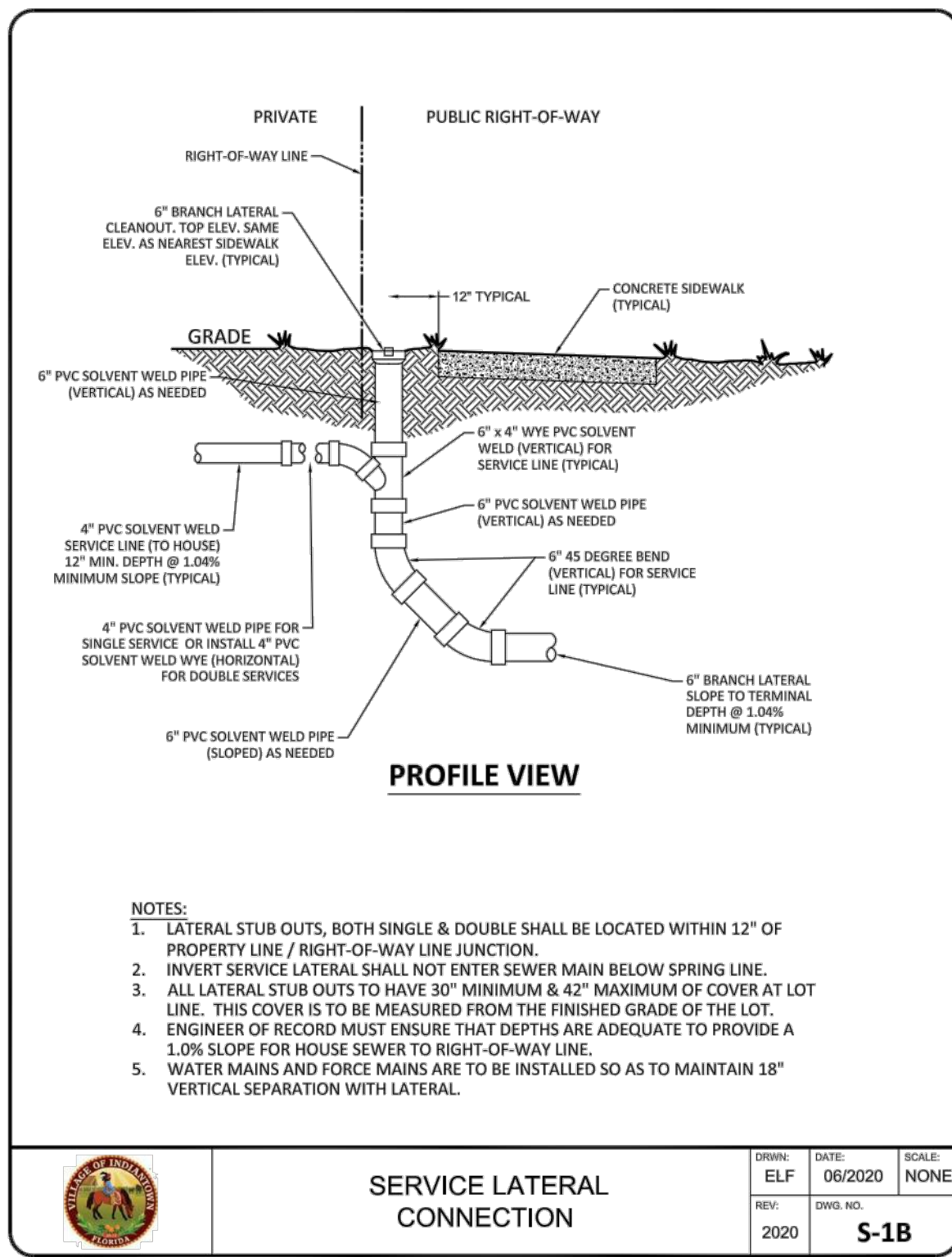


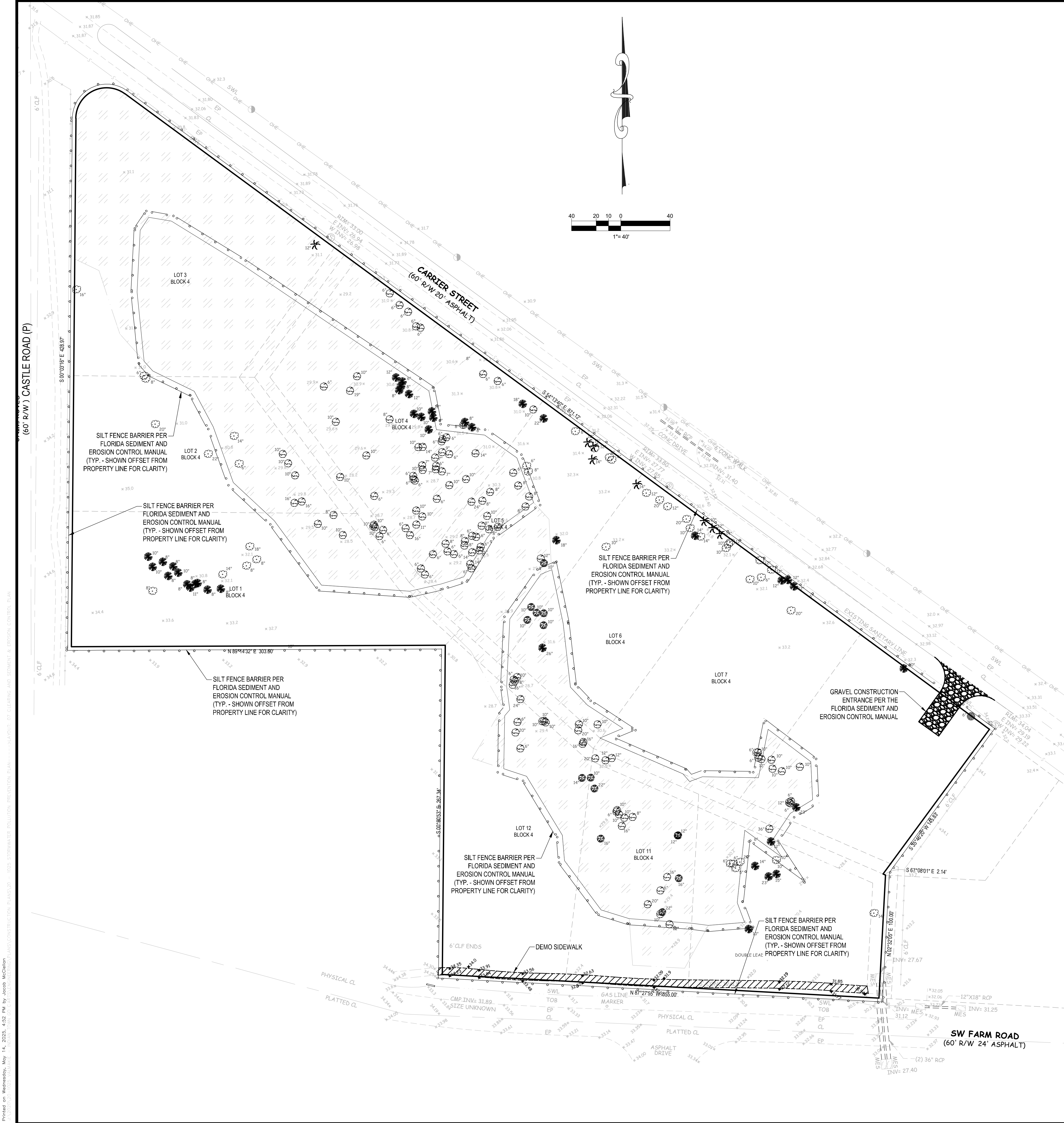
DARREN GUETTLER, PE
FLORIDA LICENSE NO. 74637
5/14/25

PROJECT No.: 20-1025
DRAWN BY: JM
CHECKED BY: DG
DATE: 5/14/2025
CAD I.D.: 20 - 1025 WS DETAILS

SHEET TITLE:
**WATER
& SEWER
DETAILS**

SHEET NUMBER:
06





NOTE:
THE PROPERTY OWNER, CONTRACTOR, AND AUTHORIZED REPRESENTATIVES SHALL PROVIDE PICKUP, REMOVAL, AND DISPOSAL OF LITTER WITHIN THE PROJECT LIMITS AND SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE AREA FROM THE EDGE OF PAVEMENT TO THE PROPERTY LINE WITHIN THE CITY'S RIGHT-OF-WAY IN ACCORDANCE WITH CITY CODE, SECTION 41.08(g).

ENVIRONMENTAL STATEMENT:
THIS SITE WAS INCLUDED IN THE OVERALL RIVERLAND ENVIRONMENTAL SITE ASSESSMENT AND THIS AREA OF THE DEVELOPMENT IS PART OF THE MASTER GRADING PLAN THAT WAS APPROVED BY THE CITY AND IS CURRENTLY IN OPERATION.

NOTE:
EROSION AND SEDIMENT CONTROL - CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING EROSION AND SEDIMENT CONTROL USING THE LATEST F.D.O.T. STANDARDS. BALED HAY, STRAW, AND SILTATION BARRIERS WILL BE INSTALLED WHERE NEEDED TO PREVENT SILTATION OF ADJACENT PROPERTY, PUBLIC RIGHT-OF-WAY, WETLANDS AND WATERWAYS. THESE WILL REMAIN IN PLACE UNTIL GRASSING OR SODDING HAS BEEN COMPLETED OR UNTIL SILTATION AND EROSION ARE NO LONGER A THREAT TO ADJACENT PROPERTIES AND WATERWAYS. STREET SWEEPING SHALL BE PERFORMED ANYTIME SEDIMENT HAS BEEN TRACKED ONTO THE ADJACENT ROADWAYS FROM THE SITE OR THE SITE DRIVEWAYS. SHOULD DUST BECOME AN ISSUE, ALL UNSTABILIZED AREAS SHALL BE WETTED DOWN SUFFICIENTLY IN ORDER TO PREVENT DUST.

SILT FENCE SHALL BE IN PLACE PRIOR TO CLEARING

PROJECT AREA: 281,703 S.F. (6.01 AC)
AREA TO BE CLEARED: 183,422 S.F. (4.21 AC)

LEGEND	
	EXISTING WATER MAIN
	EXISTING FORCE MAIN
	EXISTING GRAVITY SEWER MAIN
	EXISTING EDGE OF PAVEMENT TO REMAIN
	EXISTING EDGE OF PAVEMENT TO BE REMOVED
	CONCRETE TO BE REMOVED
	EXISTING LIGHT POLE TO BE REMOVED
	6" VEGETATIVE STRIP OR SILT FENCE

VELCON
ENGINEERING & SURVEYING, LLC
1449 NW COMMERCE CENTRE DR
PORT ST. LUCIE, FL 34986
PHONE: (772) 878-5477
FBI# C.O.A. # 3222

REVISIONS:	
BY:	DATE:
JM	12-22-22
JM	05-14-25

PROJECT: INDIANTOWN GO KART TRACK INDIANTOWN, FLORIDA

CLIENT: CSV PALM BEACH INC

DARREN GUETTLER, PE
FLORIDA LICENSE No. 74637
5/14/25

PROJECT No.: 20-1025
DRAWN BY: JM
CHECKED BY: DG
DATE: 5/14/2025
CAD ID: 20 - 1025 STORMWATER POLLUTION PREVENTION PLAN

SHEET TITLE: **CLEARING AND SEDIMENT & EROSION CONTROL PLAN**

SHEET NUMBER: **07**

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Section 1	Project Name and location information:	Indiantown Go Kart Indiantown, Florida
Section 2	Describe the nature of the construction activity:	Construction activities consist of go-kart race track & office/shop building in the Village of Indiantown, Martin County, Florida
Section 3	Describe the intended sequence of major soil disturbing activities: The following sequence of major activities shall be followed unless the contractor can propose an alternative that is equal or exceeds the erosion and sediment control practices described in this document, and is approved by the Engineer. The detailed sequence for the entire project can vary significantly from contractor to contractor. The contractor is responsible for providing a detailed sequence of construction for all construction activities.	1. Placement of all erosion control devices. 2. Clearing and grubbing, earthwork, filling of the existing lake, and excavation of the dry detention area. 3. Storm sewer construction; all storm sewer shall be constructed in the upstream direction. 4. Water & wastewater utility construction. 5. Earthwork associated with roadway, curb, subgrade, base and pavement. 6. Final seed and mulch and landscaping and sodding of the unpaved project area as called for in plans.
Section 4	Total area of the site:	6.0 acres
Section 5	Total area of the site to be disturbed:	4.21 acres
Section 6	Existing data describing the soil or quality of any stormwater discharge from the site. The soils are silty fine sand to clean sands. The small sand particle size will make the potential for erosion high.	Runoff Data Runoff Coefficients: Before: 0.81 During: 0.30-0.81 After: 0.81
Section 7	Estimate the drainage area size for each discharge point:	6.01 acres
Section 8	Latitude and longitude of each discharge point and identify the receiving water or MS4 for each discharge point:	There is one (1) discharge point for the project. Lat. 27°12'21.84" N, Long. 80°26'55.86" W Receiving Water is the Rowland Canal
Section 9	Give a detailed description of all controls, Best Management Practices (BMPs) and measures that will be implemented at the construction site for each activity identified in the intended sequence of major soil disturbing activities section. Provide time frames in which the controls will be implemented. NOTE: All controls shall be consistent with performance standards for erosion and sediment control and stormwater treatment set forth in s. 62-40.432, F.A.C., the applicable Stormwater or Environmental Resource Permitting requirements of the Department or a Water Management District, and the guidelines contained in the State of Florida Erosion and Sediment Control Designer and Reviewer Manual, FDOT, FDEP, and any subsequent amendments.	
	The following defines general quantities for the sequence of construction and the use of stabilization and structural practices. The contractor is also responsible for documenting this portion of the SWPPP. The construction of this project is expected to last twelve months. Install stabilized construction entrances at all common areas where construction vehicles will be entering and exiting the construction site. The driveways shall be constructed per the Florida Sediment and Erosion Control Manual. Install silt fences, Type III, around all ditch bottom inlets on the project, and the project perimeter. Filter cloth under the grates on catch basins may be used in lieu of a silt fence. Install staked turbidity barriers at the locations as indicated in the Paving and Drainage Plan (discharge points).	
Section 10	Describe all temporary and permanent stabilization practices. Stabilization practices include temporary seeding, mulching, permanent seeding, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, vegetative preservations, etc. Temporary: Seed and mulch, and sod in accordance with Specification Section 104. Permanent: All stabilization practices shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 7 days after the construction activity in that portion of the site has temporarily ceased. The contractor is also responsible for documenting this portion of the SWPPP.	
Section 11	Describe all structural controls to be implemented to divert stormwater flow from exposed soils and structural practices to store flows, retain sediment on-site or in any other way limit stormwater runoff. These controls include silt fences, earth dikes, diversions, swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, coagulating agents and temporary or permanent sediment basins.	
	Temporary: Silt fence in accordance with the Florida Sediment and Erosion Control Manual. Staked turbidity barrier in accordance with the Florida Sediment and Erosion Control Manual. Soil tracking prevention device in accordance with the Florida Sediment and Erosion Control Manual. A stabilized construction entrance to be constructed per the Florida Sediment and Erosion Control Manual. All sediment controls shall be in place prior to any soil disturbing activity upstream of the control.	
Section 12	Describe all sediment basins to be implemented for areas that will disturb 10 or more acres at one time. The sediment basins (or an equivalent alternative) should be able to provide 3,600 cubic feet of storage for each acre drained. Temporary sediment basins (or an equivalent alternative) are recommended for drainage areas under 10 acres.	
	N/A - less than 10 acres	
Section 13	Describe all permanent stormwater management controls such as, but not limited to, detention or retention systems or vegetated swales that will be installed during the construction process. Surface water for the project is collected by inlets and culverts and directed to the onsite dry detention area. All water quality and attenuation is provided onsite prior to a controlled discharge.	
Section 14	Waste disposal, this may include construction debris, chemicals, litter, and sanitary wastes:	All construction materials and debris will be placed in a dumpster and hauled off site to a landfill or other proper disposal site. No materials will be buried on site.
Section 15	Offsite vehicle tracking from construction entrances/exits:	Off site vehicle tracking of sediments and dust generation will be minimized via a rock construction entrance, street sweeping and the use of water to keep dust down.
Section 16	The proper application rates of all fertilizers, herbicides and pesticides used at the construction site:	Florida-friendly fertilizers and pesticides will be used at a minimum and in accordance with the manufacturer's suggested application rates.
Section 17	The storage, application, generation and migration of all toxic substances:	All paints and other chemicals will be stored in a locked covered shed.
Section 18	Other:	Port-o-lets will be placed away from storm sewer systems, storm inlet(s), surface waters and wetlands. No vehicle maintenance shall be conducted on-site. A washdown area shall be designated at all times and will not be located in any area that will allow for the discharge of polluted runoff.

Section 19	Provide a detailed description of the maintenance plan for all structural and non-structural controls to assure that they remain in good and effective operating condition.
	Contractor shall provide routine maintenance of permanent and temporary sediment and erosion control features in accordance with the technical specifications or as follows, whichever is more stringent: • Silt fence shall be inspected at least weekly. Any required repairs shall be made immediately. Sediment deposits shall be removed when they reach approximately one-half the height of the barrier. • Maintenance shall be performed on the rock entrance when any void spaces are full of sediment. • Inlet(s)/outfalls shall be inspected immediately after each rain event and any required repairs to the filter inlets, silt fence, or filter fabric shall be performed immediately. • Bare areas of the site that were previously seeded shall be reseeded per manufactures' instructions. • Mulch and sod that has been washed out shall be replaced immediately. • Maintain all other areas of the site with proper controls as necessary.
Section 20	Inspections: Describe the inspection and inspection documentation procedures, as required by the FDEP NPDES Generic Permit for Stormwater Discharge from Large and Small Construction Activities.
	Qualified personnel will inspect all points of discharges, all disturbed areas of construction that have not been stabilized, constructed areas and locations where vehicles enter and exit the site, and all BMPs at least once every 7 calendar days and within 24 hours of the end of a rainfall event that is 0.5 inches or greater. Where sites have been finally stabilized, said inspections shall be conducted at least once every month until the Notice of Termination is filed.
Section 21	Identify and describe all sources of non-stormwater discharges as allowed by the FDEP NPDES Generic Permit for Stormwater Discharge from Large and Small Construction Activities.
	The contractor is required to submit a dewatering plan to SFWMD for approval prior to commencement of any construction activities that require dewatering. This plan shall include any stockpile areas and excavation areas. The contractor is responsible for documenting this portion of the SWPPP. If contaminated soil or groundwater is encountered, contact the District Hazardous Materials Coordinator
Section 22	Site Map The construction plans will substitute as site maps. Locations of the required information are described below. Drainage Patterns: The drainage flow directions are shown on the Paving and Drainage Plan. Approximate Slopes: The slopes of the site can be seen on the Grading and Drainage plan and cross sections. Areas of Soil Disturbance: The areas to be disturbed are indicated on the plan. Any areas where permanent features are shown to be constructed above or below ground will be disturbed. Areas not to be disturbed: Those areas shown outside of the limits of the silt fence will not be disturbed. Locations of Controls: The erosion control devices and locations are shown on the Sediment & Erosion Control Plan. Areas to be stabilized: Temporary stabilization practices are also shown on the plans, if applicable. Areas of permanent stabilization are shown on the Paving and Drainage Plan. Surface Water: Surface water for the project is collected by inlets and culverts and directed to the onsite dry detention area. All water quality and attenuation is provided onsite prior to a controlled discharge. Receiving Waters: The referenced project discharges into the adjacent right of way which lead to the Rowland Canal which eventually discharges into the C-44 Canal and the ultimate outfall is the South Fork of the St. Lucie River.
Section 23	All contractor(s) and subcontractor(s) identified in the SWPPP must sign the following certification: "I certify under penalty of law that I understand, and shall comply with, the terms and conditions of the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities and this Stormwater Pollution Prevention Plan prepared thereunder. This document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."
	Name (Operator and/or Responsible Authority) _____ Date _____

Section 23					
	Name	Title	Company Name, Address and Phone Number	Responsible Items	Date

SLICING METHOD

WOOD OR STEEL POST INSTALLED BEFORE COMPACTING BACKFILL MATERIAL

CONFINED BACKFILL MATERIAL

WOOD OR STEEL POST INSTALLED BEFORE COMPACTING BACKFILL MATERIAL

ATTACHING TWO SILT FENCES WHEN TRENCHING IS USED

PLACE THE END POST OF ONE FENCE INSIDE THE END POST OF THE OTHER FENCE

ROTATE BOTH POSTS AT LEAST 180 DEGREES IN A COUNTERWISE DIRECTION TO CREATE A TIGHT SEAL WITH THE FABRIC MATERIAL

DIRECTION OF RUNOFF WATER

DRIVE BOTH POSTS ABOUT 12-IN. INTO THE GROUND AND BURY THE PLAY IN A TRENCH

TRENCHING METHOD

SILT FENCE BARRIER INSTALLATION

SOIL TRACKING PREVENTION DEVICE

SECTION A-A

TURBIDITY BARRIER

NOTES

1. TURBIDITY BARRIERS ARE NOT TO BE INSTALLED WHERE FLOWS WILL CAUSE EXTENSIVE MOVEMENT OF THE FABRIC SKIRT
2. FLOATATION SIZE DETERMINED BY SKIRT DEPTH/SIDE VARIABLES
3. BEFORE TAKING THE TURBIDITY BARRIER AWAY FROM A CONSTRUCTION SITE, ACCUMULATED SEDIMENTS BEHIND FABRIC SKIRT MAY HAVE TO BE REMOVED AS DIRECTED BY THE ENGINEER OR CPESC.

FILTER FABRIC DETAIL

GENERAL NOTES

1. THIS INLET IS DESIGNED WITH FILTER FABRIC PROTRUDING 8" FROM SIDES FOR GRIPPING WHEN SEDIMENT NEEDS TO BE CLEARED AFTER FINAL CONSTRUCTION.
2. FILTER FABRIC TO BE INSTALLED AND TRIMMED BEFORE GRATE IS INSET.

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REVISIONS:

BY:	DATE:	COMMENT:
JM	12-22-22	REVISIONS PER DRC COMMENTS
JM	05-14-25	REVISIONS PER DRC COMMENTS

PROJECT: INDIANTOWN GO KART TRACK
INDIANTOWN, FLORIDA

CLIENT: CSV PALM BEACH INC

DARREN GUETTLER, PE
FLORIDA LICENSE No. 74637
5/14/25

PROJECT No.: 20-1025
DRAWN BY: JIM
CHECKED BY: DG
DATE: 5/14/2025
CAD L.D.: 20 - 1025 STORMWATER POLLUTION PREVENTION PLAN

SHEET TITLE: STORMWATER POLLUTION PREVENTION PLAN

SHEET NUMBER: 08