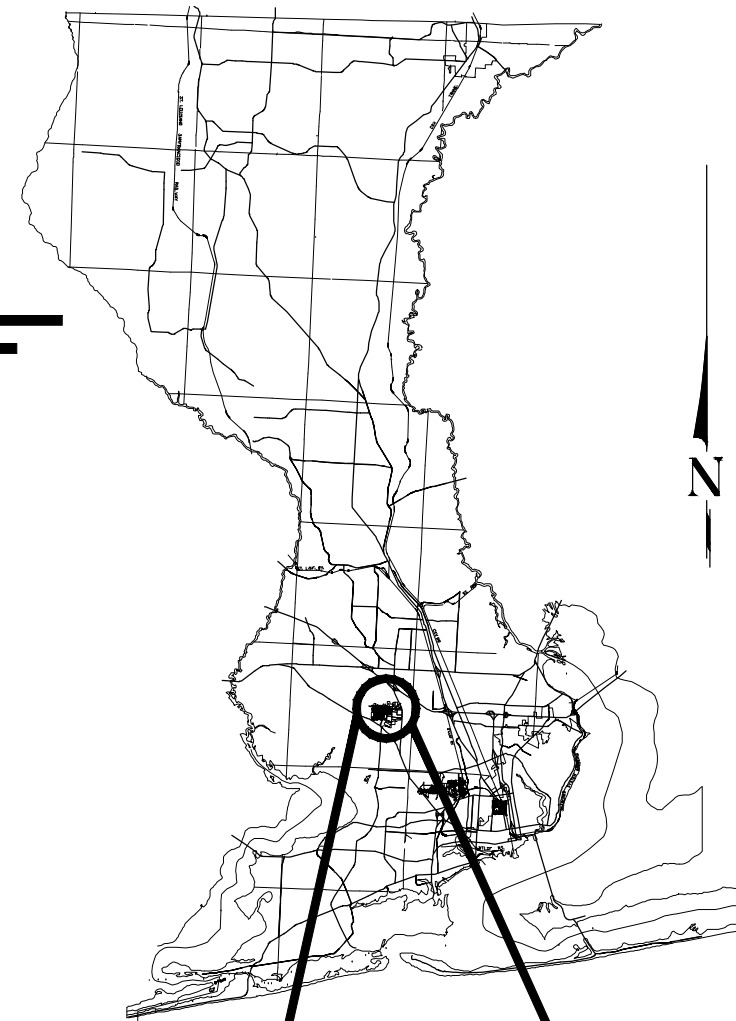




BOARD OF COUNTY COMMISSIONERS ESCAMBIA COUNTY, FLORIDA ENGINEERING DEPARTMENT



PLANS PROPOSED FOR PINE VALLEY ESTATES PHASE I & PHASE II ROADWAY REHABILITATION AND DRAINAGE IMPROVEMENTS PROJECT

INDEX OF ROADWAY PLANS

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COMMISSIONERS

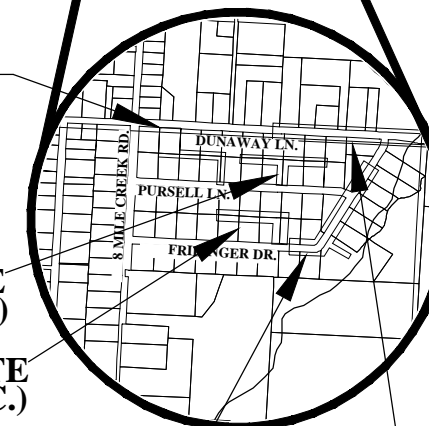
| | |
|----------------|------------------------------|
| DISTRICT ONE | JEFF BERGOSH (VICE CHAIRMAN) |
| DISTRICT TWO | DOUG UNDERHILL |
| DISTRICT THREE | LUMON MAY |
| DISTRICT FOUR | ROBERT BENDER (CHAIRMAN) |
| DISTRICT FIVE | STEVEN BARRY |

PHASE V SITE
(N.I.C.)

PHASE IV SITE
(N.I.C.)

PHASE III SITE
(N.I.C.)

PHASE I SITE PHASE II SITE
VICINITY MAP



FINAL PLANS FOR BIDDING PURPOSES SEPTEMBER 2021



THIS DOCUMENT IS NOT TO BE USED FOR
 CONSTRUCTION, BIDDING, RECORDATION
 CONVEYANCE, SALES OR AS THE BASIS
 FOR THE ISSUANCE OF A PERMIT

SHEETS MARKED WITH AN ASTERISK (*) ARE
 NOT INCLUDED IN THIS SUBMITTAL



3298 SUMMIT BOULEVARD, SUITE 32
 PENSACOLA, FLORIDA 32503
 PHONE: (850) 332-7912
 CERTIFICATE OF AUTHORIZATION #26889

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH THE LATEST ESCAMBIA
 COUNTY TECHNICAL SPECIFICATIONS.

ANY REFERENCE TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE
 CONSTRUCTION, LATEST EDITION, DIVISION 1, GENERAL REQUIREMENTS AND COVENANTS,
 SHALL BE EXCLUDED AND NOT APPLICABLE TO ANY SPECIFICATION REFERRED HEREIN
 OR OTHERWISE LISTED IN THESE PLANS OR RELATED DOCUMENTS OR THE ESCAMBIA
 COUNTY TECHNICAL SPECIFICATIONS.

| | |
|--|---------------------------------|
| PROJECT MANAGER: MARK A. SOLTERO | |
| SECTION / TOWNSHIP / RANGE: S-23/T-1S/R-31-1 | DISTRICT: 1 |
| PROJECT ENGINEER: Jason L. Lashley, P.E. | REG FLA ENG NO: 57353 |
| SIGNATURE: | DATE: |

GENERAL NOTES:

- THE CONTRACTORS SHALL NOTIFY THE COUNTY DESIGN ENGINEER OR DESIGNEE 48 HOURS PRIOR TO CONSTRUCTION.
- ALL CONDITIONS AND STIPULATIONS OF THE CONSTRUCTION PERMITS AND THE APPROVALS ISSUED BY THE ESCAMBIA COUNTY ENGINEER SHALL BE COMPLIED WITH IN EVERY DETAIL.
- ALL ROADS DAMAGED BY CONSTRUCTION OPERATIONS ARE TO BE PATCHED OR RECONSTRUCTED AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE.
- THE CONTRACTOR SHALL TAKE STEPS NECESSARY TO PREVENT EROSION AND ANY OFF SITE SEDIMENT TRANSPORT RESULTING FROM INCREASED RUNOFF DURING CONSTRUCTION BY PROVIDING SILT FENCE AND/OR STAKED HAY BALES AS REQUIRED BY THE FLORIDA STORMWATER EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL, 2008 EDITION, OR AS INDICATED ON THE PLANS. ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL ASSOCIATED DISTURBED AREAS ARE STABILIZED AS TO REDUCE SEDIMENT RUNOFF, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR DESIGNEE.
- ANY NECESSARY PERMITS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. ESCAMBIA COUNTY OR ITS DESIGNEE WILL ASSIST CONTRACTOR WITH REQUIRED PERMITS.
- THE CONTRACTOR IS CAUTIONED TO VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE PROJECT PRIOR TO BIDDING AND/OR CONSTRUCTION.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PRESERVE OR RELOCATE ALL BENCHMARKS (VERTICAL CONTROL) AS NEEDED DURING CONSTRUCTION. ALL PUBLIC OR PRIVATE CORNER MONUMENTATION SHALL BE PROTECTED. IF A PUBLIC OR PRIVATE CORNER MONUMENTATION IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR DESIGNEE IMMEDIATELY. ANY ESCAMBIA COUNTY HARN/GPS NETWORK MONUMENTS OR BUREAU OF SURVEY AND MAPPING GPS NETWORK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A HARN/GPS NETWORK MONUMENTS OR BUREAU OF SURVEY AND MAPPING GPS NETWORK MONUMENTS ARE DISTURBED OR DESTROYED THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF THE MONUMENTS AND HAVE THE MONUMENTS POSITION DETERMINED BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER USING GUIDELINES AS ESTABLISHED BY NATIONAL GEODETIC SURVEY FOR BLUE BOOKING AND APPROVAL.
- EXISTING DRAINAGE FEATURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL MATCH EXISTING CONDITIONS AT THE BEGINNING AND END OF CONSTRUCTION AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE.
- EXISTING STREETS AND DRIVES SHALL BE MAINTAINED TO LOCAL TRAFFIC AND PROPERTY OWNERS.
- ALL ROADWAY CONSTRUCTION SHALL COMPLY WITH THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS, LATEST EDITION.
- ALL MATERIALS, TESTING AND CONSTRUCTION METHODS SHALL CONFORM TO THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS, LATEST EDITION.
- ANY REFERENCE TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, DIVISION 1, GENERAL REQUIREMENTS AND COVENANTS, SHALL BE EXCLUDED AND NOT APPLICABLE TO ANY SPECIFICATION REFERRED HEREIN OR OTHERWISE LISTED IN THESE PLANS OR RELATED DOCUMENTS OR THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.
- EXISTING STREET AND ROAD NAME SIGNS ON THE PROJECT SHALL BE KEPT VISIBLE AT ALL TIMES FOR THE FACILITATION OF ACCESS BY EMERGENCY VEHICLES. ALL OTHER EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION OPERATIONS SHALL BE TAKEN DOWN AND STOCKPILED WITHIN THE R/W LIMITS BY THE CONTRACTOR AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE. ANY EXISTING SIGNS THAT ARE TO BE RELOCATED AND ARE DAMAGED BEYOND USE BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE 10' OPEN LANE AT ALL TIMES. NO OPEN EXCAVATION SHALL REMAIN OVER NIGHT. CONTRACTOR SHALL RESTORE ROAD TO TWO LANES OF TRAFFIC AT THE END OF EACH WORK DAY.
- CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- ONLY ACCESS TO THE ROAD R/W AS SHOWN IS GUARANTEED BY THE COUNTY. PRIVATE R/W REQUIRED BY THE CONTRACTOR TO FACILITATE CONSTRUCTION SHALL BE ACQUIRED BY THE CONTRACTOR WITH NO ADDITIONAL COMPENSATION OR ASSISTANCE FROM THE COUNTY.
- IN THE EVENT THAT SURVEY MONUMENTATION OR REFERENCE POINTS ARE MISSING OR HAVE BEEN DESTROYED, PLEASE CONTACT:

MR. JOE BARRETT, PLS
ESCAMBIA COUNTY SURVEYOR
3363 WEST PARK PLACE
PENSACOLA, FLORIDA 32505 PH (850) 595-3427
- VEGETATION ON R/W AND EASEMENTS SHALL BE RESTORED TO ORIGINAL CONDITION UNLESS OTHERWISE NOTED ON THE PLAN SHEETS. COST OF SAID RESTORATION SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS.
- GRADED AGGREGATE BASE SHALL BE REQUIRED WHERE THE SEASONAL HIGH GROUND WATER ENCROACHES WITHIN TWO (2) FEET OF THE BOTTOM OF BASE.
- ALL TREES WITHIN LIMITS OF CONSTRUCTION SHALL REMAIN UNLESS OTHERWISE NOTED IN PLANS.
- ALL COMPACTED FILL SHALL BE PLACED IN 4" LIFTS FOR HAND POWERED TAMPERS AND 8" LIFTS FOR HEAVY EQUIPMENT OPERATED TAMPERS.
- MAINTENANCE OF TRAFFIC AS PER FDOT INDEX 600.
- ALL EXISTING MAILBOXES INTERFERING WITH NEW CONSTRUCTION SHALL BE RELOCATED OR REPLACED BY THE CONTRACTOR IN ACCORDANCE WITH POSTAL REQUIREMENTS AND IN ACCORDANCE WITH ESCAMBIA COUNTY TECHNICAL SPECIFICATION, FDOT DESIGN STANDARDS AND UNITED POSTAL REQUIREMENTS. ALL EXISTING BRICK MAILBOXES WITHIN LIMITS OF CONSTRUCTION OR COUNTY RIGHT OF WAY SHALL BE REMOVED AND PLACED ON THE PROPERTY LINE OF THE OWNER. CONTRACTOR SHALL REPLACE EXISTING BRICK MAILBOX WITH APPROVED PLASTIC BREAK AWAY MAILBOX.
- THE CONTRACTOR SHALL, AT A MINIMUM, MATCH EXISTING SIGNING AND PAVEMENT MARKINGS. ALL SIGNING AND PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH THE LATEST FDOT SPECIFICATIONS AND STANDARD PLANS.
- WHERE UNSUITABLE MATERIAL, AS DEFINED BY THE COUNTY SPECIFICATIONS SECTION 02300, 1.3(1), IS ENCOUNTERED IN THE AREAS PROPOSED FOR PAVING, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE COUNTY ENGINEER OR DESIGNEE PRIOR TO ANY EXCAVATION.
- PIPE LENGTHS SHOWN IN THE PLANS DO NOT INCLUDE THE LENGTH OF PIPE THAT MUST BE INSTALLED WITH THE MITERED END SECTION. THEREFORE, ALL PIPES LENGTHS ASSOCIATED WITH MITERED END SECTIONS SHALL BE PAID FOR IN THE UNIT COST OF THE MITERED END SECTION.

- IF ARCHAEOLOGICAL MATERIAL/PREHISTORIC ARTIFACTS SUCH AS POTTERY OR CERAMICS, STONE TOOLS OR METAL IMPLEMENTS, OR ANY OTHER PHYSICAL REMAINS THAT COULD BE ASSOCIATED WITH NATIVE AMERICAN CULTURES, OR EARLY COLONIAL OR AMERICAN SETTLEMENT ARE ENCOUNTERED AT ANY TIME, THE PROJECT SHOULD CEASE ALL ACTIVITIES INVOLVING SUBSURFACE DISTURBANCE IN THE IMMEDIATE VICINITY OF SUCH DISCOVERIES. THE APPLICANT/RECIPIENT, OR OTHER DESIGNEE, SHOULD CONTACT THE FLORIDA DEPARTMENT OF STATE, DIVISION OF HISTORICAL RESOURCES, THE STATE HISTORIC PRESERVATION OFFICER (SHPO) AND THE DSH/FEMA REGION IV ENVIRONMENTAL OFFICER AND FDEM STATE ENVIRONMENTAL LIAISON OFFICER FOR FURTHER GUIDANCE. PROJECT ACTIVITIES SHOULD NOT RESUME WITHOUT VERBAL AND/OR WRITTEN AUTHORIZATION FROM THE DIVISION OF HISTORICAL RESOURCES.
- IN THE EVENT THAT UNMARKED HUMAN REMAINS ARE ENCOUNTERED DURING PERMITTED ACTIVITIES, ALL WORK MUST STOP IMMEDIATELY AND THE PROPER AUTHORITIES NOTIFIED IN ACCORDANCE WITH F.S. 872.05.

UTILITY NOTES:

- THE LOCATION SHOWN FOR EXISTING UNDERGROUND UTILITIES IS APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK IN EACH AREA. THE CONTRACTOR AGREES TO BE COMPLETELY RESPONSIBLE FOR ALL DAMAGES WHICH MIGHT OCCUR BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES.
- UTILITY OWNERS SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION SO THAT THE UTILITY OWNER CAN SPOT VERIFY AND/OR EXPOSE THEIR UTILITIES. KNOWN UTILITIES OWNERS INCLUDE:

SEWER/WATER - EMERALD COAST UTILITY AUTHORITY
MR. BRANDON KNIGHT, P.E
P.O. BOX 15311
PENSACOLA, FL. 32514 PH: (850) 969-6650
BRANDON.KNIGHT@ECUA.FL.GOV

ELECTRIC - GULF POWER
MR. JOHN WIMBERLY
PH: (850) 982-2746
JOHN.WIMBERLY@NEXTERAENERGY.COM

NATURAL GAS - PENSACOLA ENERGY
MS. DIANE MOORE
1625 ATWOOD DRIVE
PENSACOLA, FL. 32514 PH: (850) 479-5319
DMOORE@CITYOFPENSACOLA.COM

CABLE - COX CABLE
MR. RICHARD KOESTER
3405 MCLEMORE DRIVE
PENSACOLA, FL. 32514 PH: (850) 602-2182
RICHARD.KOESTER@COX.COM

TELEPHONE - AT&T FLORIDA
MR. ROB ST. PIERRE
605 W GARDEN ST 2ND FLOOR
PENSACOLA, FL. 32502 PH: (850) 623 -3811
RS634Y@ATT.COM

SUNSHINE STATE ONE-CALL
7200 LAKE ELLENOR DRIVE, SUITE 200
ORLANDO, FL. 32809 PH: (800) 432-4770

TRAFFIC DEPARTMENT - ESCAMBIA COUNTY PUBLIC WORKS
MR. JOHNNY COX
3363 WEST PARK PLACE
PENSACOLA, FL. 32505 PH:(850) 595-3404

ESCAMBIA COUNTY SCHOOL BOARD
MR. DAVID LEE
9255 STURDEVANT STREET
PENSACOLA, FL 32514 PH: (850) 469-5345

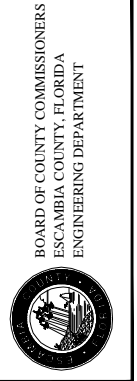
- AT&T FLORIDA WILL COMPLETE ALL WORK DURING THE HOURS OF 7:30 AM - 4:30 PM, MONDAY THRU FRIDAY. NO NIGHT OR WEEKEND WORK.
- ALL CABLE DAMAGE MUST BE REPORTED TO THE ATT FLORIDA REPAIR SERVICE DEPARTMENT AT 611 FROM A LAND LINE OR 877-737-2478 IF USING A CELL PHONE.
- ALL VEHICLE LOOP INSTALLATION SHALL BE DONE AS PER FDOT INDEX 660-001.
- CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES AND UNDERGROUND UTILITIES.
- UTILITIES TO REMAIN AND BE PROTECTED DURING CONSTRUCTION. NECESSARY REPAIRS SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS AND SHALL BE TO THE SATISFACTION OF UTILITY OWNERS.

PROJECT SPECIFIC NOTES:

- CONTRACTOR SHALL ORDER CONFLICT MANHOLES AFTER EXISTING SANITARY SEWER LATERALS ARE FIELD VERIFIED BOTH VERTICALLY & HORIZONTALLY.
- EXISTING UNDERDRAINS THAT DISCHARGE TO STREET SHALL BE TIED TO PROPOSED 8" UNDERDRAIN. TIE-INS SHALL BE CONSIDERED INCIDENTAL TO 8" UNDERDRAIN CONSTRUCTION.
- SLOTS CUT INTO RCP PIPE SHALL ONLY BE LOCATED IN THE TOP HALF OF THE PIPE.



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PINE VALLEY ESTATES
ROADWAY & DRAINAGE
IMPROVEMENTS
GENERAL NOTES SHEET

| NO. | REVISION | DATE |
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|-----------------|-----------|
| Project Number: | 200401 |
| Date: | JUNE 2021 |
| Drawn By: | F.E.A. |
| Designed By: | F.E.A. |
| Checked By: | J.L.L. |
| Sheet: | 2 |

P:\Projects\Directory\200401 - Pine Valley DEP\01800 (CAD Drawings)\DWG\02-GENERAL NOTES.dwg, Oct 06, 2021 - 3:38:01 PM, Fkvera

THE FOLLOWING NARRATIVE OF THE STORMWATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE DESIGN STANDARDS, OTHER SHEETS OF THESE CONSTRUCTION PLANS. THE FIRST SHEET OF THE CONSTRUCTION PLANS (CALLED THE KEY SHEET) CONTAINS AN INDEX TO THE OTHER SHEETS. THE COMPLETE STORMWATER POLLUTION PREVENTION PLAN INCLUDES SEVERAL ITEMS. THIS NARRATIVE DESCRIPTION, THE DOCUMENTS REFERENCES IN THIS NARRATIVE, THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN REQUIRED BY FDOT SPECIFICATION SECTION 104, AND REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION.

1.0 SITE DESCRIPTION

1.A NATURE OF CONSTRUCTION ACTIVITY:

THE PROJECT CONSISTS OF THE ADDITION OF STORM SEWER STRUCTURES & PIPING ALONG DUNAWAY AND FRIDINGER DRIVE TO CONVEY STORMWATER TO EIGHT MILE CREEK.

1.B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW, UNLESS THE CONTRACTOR PROPOSES A DIFFERENT SEQUENCE THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY THE ENGINEER.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

1. CLEARING AND GRUBBING, EARTHWORK FOR STORM SEWER CONSTRUCTION
2. CLEARING AND GRUBBING, EARTHWORK FOR POND CONSTRUCTION
3. CLEARING AND GRUBBING, EARTHWORK FOR ASPHALT AND BASE REMOVAL
4. EARTHWORK, CONCRETE, AND ROADWAY CONSTRUCTION FOR ASPHALT BASE AND SUBGRADE

1.C. AREA ESTIMATES:

TOTAL SITE AREA: 84.56 ACRES
TOTAL AREA TO BE DISTURBED: 4.25 ACRES

1.D. RUNOFF DATA:

RUNOFF COEFFICIENTS:

BEFORE: 0.4
DURING: 0.4
AFTER: 0.4

SOILS DATA: SILT/LOAM/ UNSUITABLE MATERIALS ANTICIPATED
FOR ADDITIONAL SOILS DATA SEE PROJECT GEOTECHNICAL REPORT PREPARED BY NOVA ENGINEERING

OUTFALL INFORMATION:

PHASE I, PHASE II AND PHASE III OUTFALLS ALL DRAIN TO EIGHT MILE CREEK, WHICH OUTFALLS TO PERDIDO BAY.

1.E. SITE MAP:

THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAPS. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW. THE SHEET NUMBERS FOR THE PLAN SHEETS REFERENCED ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS.

- APPROXIMATE SLOPES: THE SLOPES OF THE SITE CAN BE SEEN IN PLAN SHEETS
- AREAS OF SOIL DISTURBANCE: THE AREAS TO BE DISTURBED ARE INDICATED ON THE PLAN SHEETS. ANY AREAS WHERE PERMANENT FEATURES ARE SHOWN TO BE CONSTRUCTED ABOVE OR BELOW GROUND WILL BE DISTURBED.
- AREAS NOT TO BE DISTURBED : SODDED / MAINTAINED AREAS BEYOND WEST ROW, EAST ROW.
- LOCATIONS OF TEMPORARY CONTROLS: TO BE SHOWN ON THE CONTRACTORS APPROVED EROSION CONTROL PLAN. SEDIMENTATION BASIN AND FLOATING/ STAKED TURBIDITY BARRIER ARE SUGGESTED.
- LOCATIONS OF PERMANENT CONTROLS: SOD ALL DISTURBED NON-PAVED AREAS (EXCLUDING DITCH BOTTOM)
- AREAS TO BE STABILIZED: ROADSIDE SWALES/ DITCHES.

1.F RECEIVING WATERS:

SEE ITEM 1.D. FOR THE OUTFALL LOCATIONS AND RECEIVING WATER NAMES.

2.0 CONTROLS

2.A. EROSION AND SEDIMENT CONTROLS:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STABILIZATION AND STRUCTURAL PRACTICES. THE FOLLOWING RECOMMENDED GUIDELINES ARE BASED ON THE GRADING PLAN OUTLINED IN THE CONSTRUCTION PLANS. THE CONTRACTOR MAY CHOOSE TO ACCEPT THE FOLLOWING GUIDELINES OR MODIFY THEM IN THE SEDIMENT AND EROSION CONTROL PLAN, SUBJECT TO APPROVAL BY THE ENGINEER. AS WORK PROGRESSES, THE CONTRACTOR SHALL MODIFY THE PLAN TO ADAPT TO SEASONAL VARIATION, CHANGES IN CONSTRUCTION ACTIVITIES, AND THE NEED FOR BETTER PRACTICES.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

2.A.1 STABILIZATION PRACTICES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. THE CONTRACTOR SHALL INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS, IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. THE STABILIZATION PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

THE PARAGRAPH ABOVE REFERS TO A 7 DAY LIMIT BEFORE INITIATING STABILIZATION. THE DEP GENERIC PERMIT SPECIFIES 7 DAYS, BUT STRICTER REQUIREMENTS FROM OTHER PERMITTING AGENCIES WILL OFTEN APPLY AND SHOULD BE NOTED.

TEMPORARY:

- * ARTIFICIAL COVERINGS IN ACCORDANCE WITH FDOT SPECIFICATION SECTION 104.
- * TURF AND SOD IN ACCORDANCE WITH FDOT SPECIFICATION SECTION 104.

PERMANENT:

- * SOD IN ACCORDANCE WITH SPECIFICATION SECTION 570 AND INDEX 105.

2.A.2 STRUCTURAL PRACTICES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

TEMPORARY:

- * SEDIMENT BARRIERS IN ACCORDANCE WITH FDOT SPECIFICATION SECTION 104.
- * INLET PROTECTION IN ACCORDANCE WITH FDOT SPECIFICATION DETAIL 104 AND SPECIAL DETAILS SHOWN IN THE TTC PLAN.
- * SEDIMENT CONTAINMENT SYSTEM: SILT FENCE AND HAY BALES WILL BE UTILIZED AS THE TEMPORARY SEDIMENT CONTAINMENT SYSTEM.

PERMANENT:

- * SOD

2.B STORMWATER MANAGEMENT:

EXISTING ROADSIDE DITCHES COLLECT STORMWATER AND DIRECT IT TO SURROUNDING WETLAND AREAS.

2.C OTHER CONTROLS:

2.C.1 WASTE DISPOSAL:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO WATERS OF THE UNITED STATES. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

- PROVIDING LITTER CONTROL AND COLLECTION WITHIN THE PROJECT DURING CONSTRUCTION ACTIVITIES.
- DISPOSING OF ALL FERTILIZER OR OTHER CHEMICAL CONTAINERS ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.

2.C.2 OFF-SITE VEHICLE TRACKING & DUST CONTROL:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFFSITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

- COVERING LOADED HAUL TRUCKS WITH TARPAULINS.
- REMOVE EXCESS DIRT FROM ROADS DAILY.
- STABILIZING CONSTRUCTION ENTRANCES ACCORDING TO FDOT DESIGN STANDARDS.
- USING ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS EXCAVATION AND HANDLING OPERATIONS.

2.C.3 STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, AND SANITARY SEWER OR SEPTIC SYSTEMS.

2.C.4 FERTILIZERS AND PESTICIDES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES. THE PROPOSED PROCEDURES SHALL COMPLY WITH APPLICABLE SUBSECTION OF SECTION 570 OF THE FDOT SPECIFICATIONS.

2.C.5 TOXIC SUBSTANCES

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A LIST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES.

2.D.4 APPROVED STATE AND LOCAL PLANS AND PERMITS:

- THIS PROJECT MEETS THE REQUIREMENTS FOR A PERMIT EXEMPTION PER THE NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT.

3.0 MAINTENANCE:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. THE MAINTENANCE PLAN SHALL AT A MINIMUM COMPLY WITH THE FOLLOWING:

- SILT FENCE: MAINTAIN PER FDOT SPECIFICATION SECTION 104. THE CONTRACTOR SHOULD ANTICIPATE REPLACING SILT FENCE ON 12 MONTH INTERVALS.
- SEDIMENT BARRIERS: REMOVE SEDIMENT AS PER MANUFACTURER'S RECOMMENDATIONS OR WHEN WATER PONDS IN UNACCEPTABLE AMOUNTS OR AREAS.

4.0 INSPECTIONS:

QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. TO COMPLY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO INSPECT THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN.

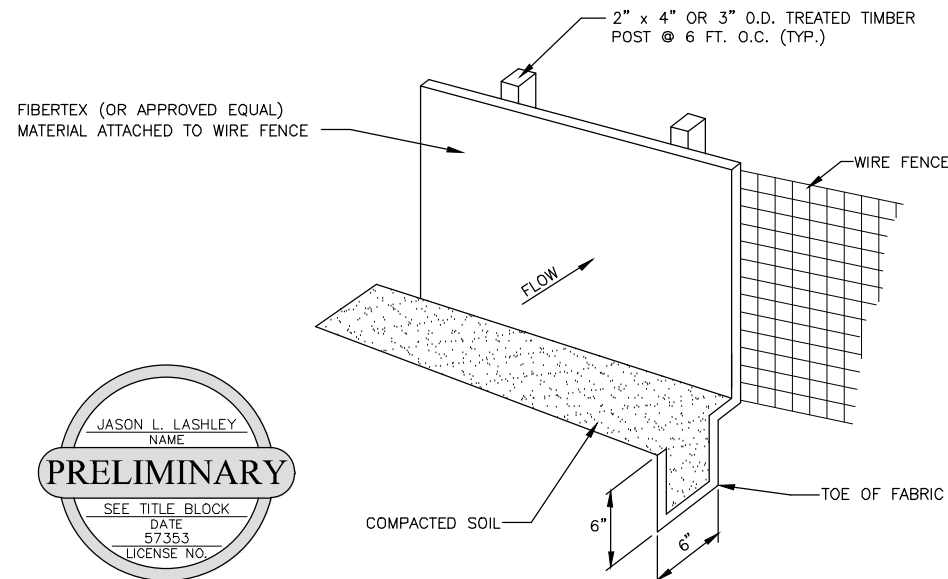
LIST OF INSPECTION ITEMS

- POINTS OF DISCHARGE TO MUNICIPAL SEPARATE STORM DRAIN SYSTEMS.
- DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED.
- AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.
- STRUCTURAL CONTROLS.
- STORMWATER MANAGEMENT SYSTEMS.
- LOCATIONS WHERE VEHICLES ENTER THE SITE.

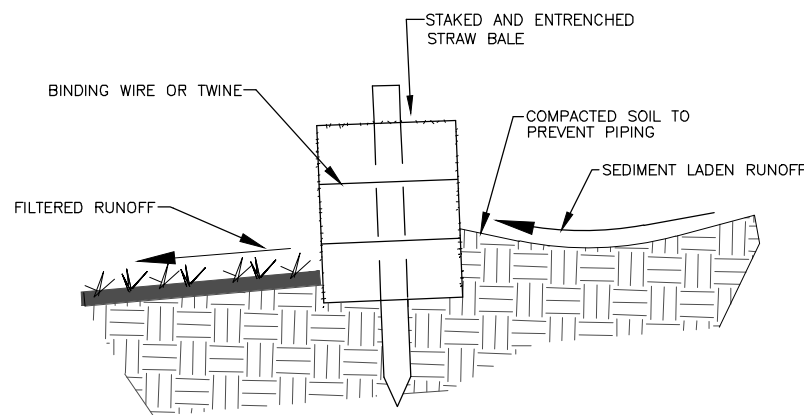
THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER. IF INSPECTIONS INDICATE THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGE OF POLLUTANTS, THAT CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES, AS APPROVED BY THE ENGINEER.

5.0 NON-STORMWATER DISCHARGES:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES). THE CONTRACTOR SHALL DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES. IF THE CONTRACTOR ENCOUNTERS CONTAMINATED SOIL OR GROUNDWATER, CONTACT ESCAMBIA COUNTY ENGINEERING.



SILT FENCE DETAIL
NTS



DETAIL OF PROPERLY
INSTALLED STRAW BALE
NTS

JASON L. LASHLEY
NAME
PRELIMINARY
SEE TITLE BLOCK
DATE
5/3/53
LICENSE NO.

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PHONE: (850) 332-7912
CERTIFICATE OF AUTHORIZATION #268989

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ESCAMBIA COUNTY, FLORIDA
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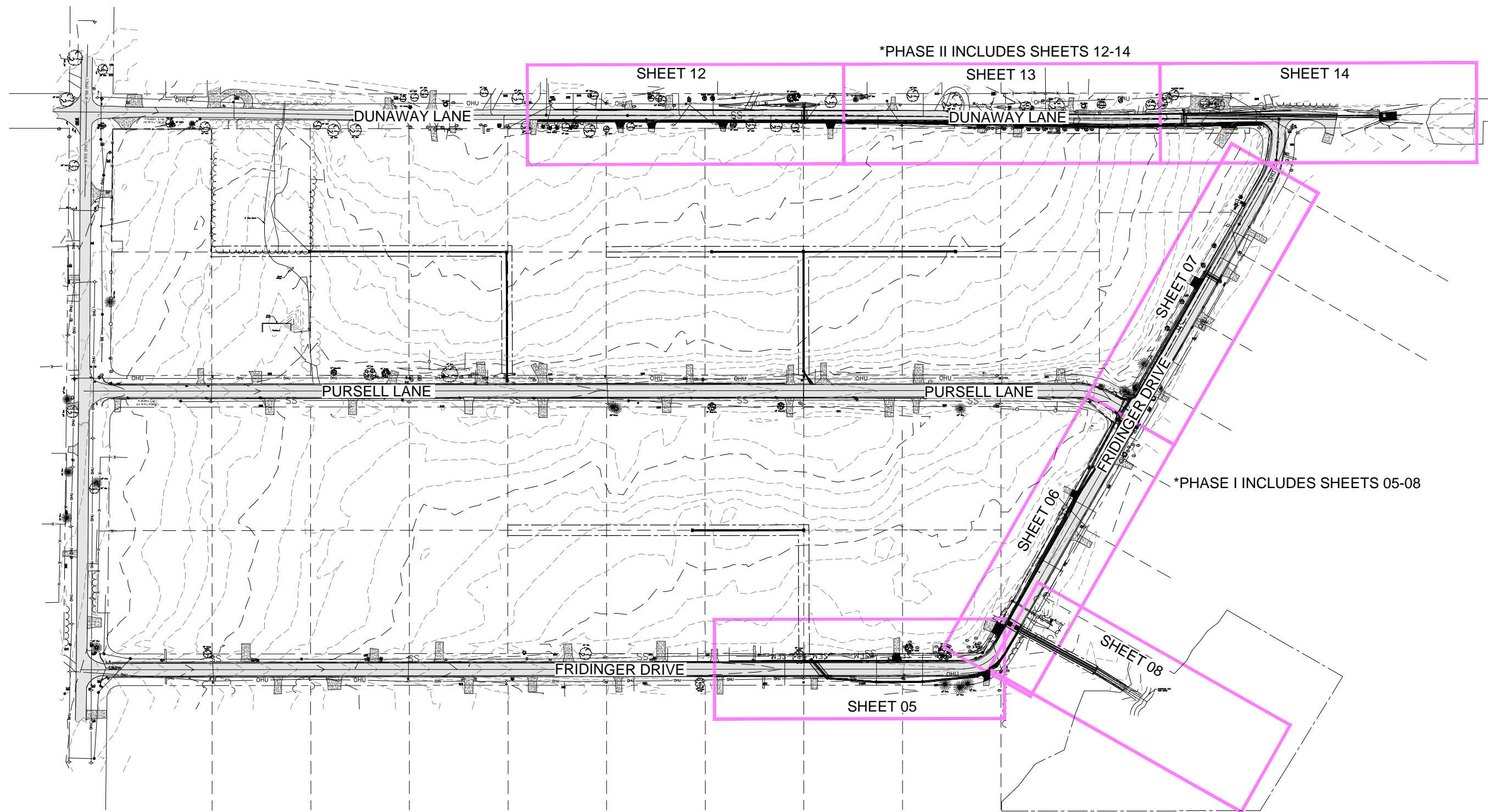
PINE VALLEY ESTATES
ROADWAY & DRAINAGE
IMPROVEMENTS
STORMWATER POLLUTION PREVENTION PLAN

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Project Number:
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Date:
JUNE 2021
Drawn By:
F.E.A.
Designed By:
F.E.A.
Checked By:
J.L.L.
Sheet:
3

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*PHASE II INCLUDES SHEETS 12-14

*PHASE I INCLUDES SHEETS 05-08

JASON L. LASHLEY
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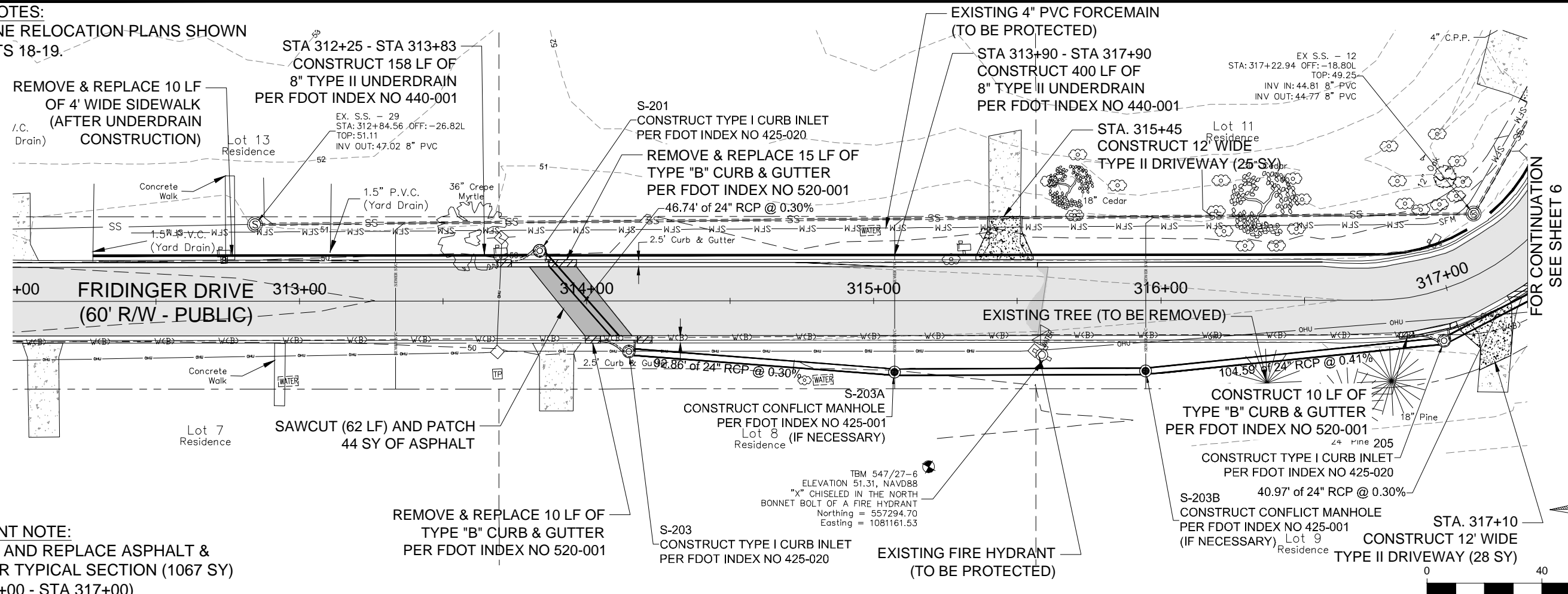
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PINE VALLEY ESTATES
ROADWAY & DRAINAGE
IMPROVEMENTS
PROJECT OVERVIEW

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Project Number:
200401
Date:
JUNE 2021
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F.E.A.
Designed By:
F.E.A.
Checked By:
J.L.L.
Sheet:
4

UTILITY NOTES:
 WATERLINE RELOCATION PLANS SHOWN
 ON SHEETS 18-19.

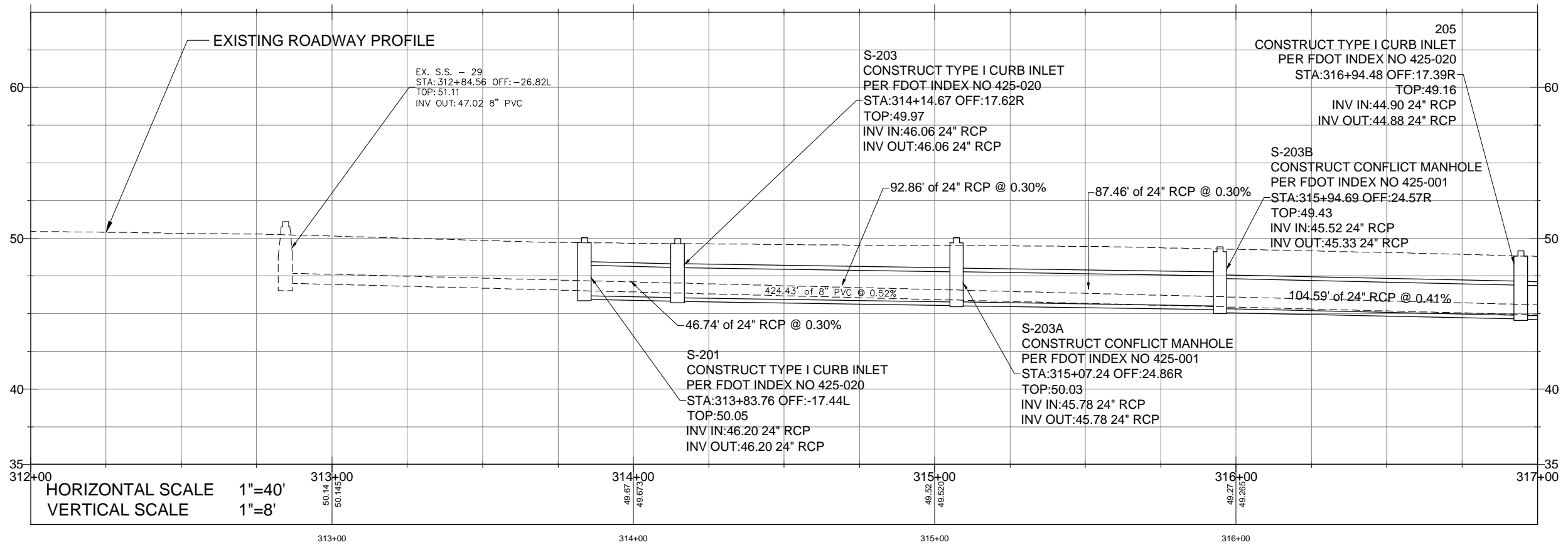


PAVEMENT NOTE:
 REMOVE AND REPLACE ASPHALT &
 BASE PER TYPICAL SECTION (1067 SY)
 (STA 313+00 - STA 317+00)

FOR CONTINUATION
 SEE SHEET 6



FRIDINGER DRIVE CENTERLINE PROFILE



HORIZONTAL SCALE 1"=40'
 VERTICAL SCALE 1"=8'



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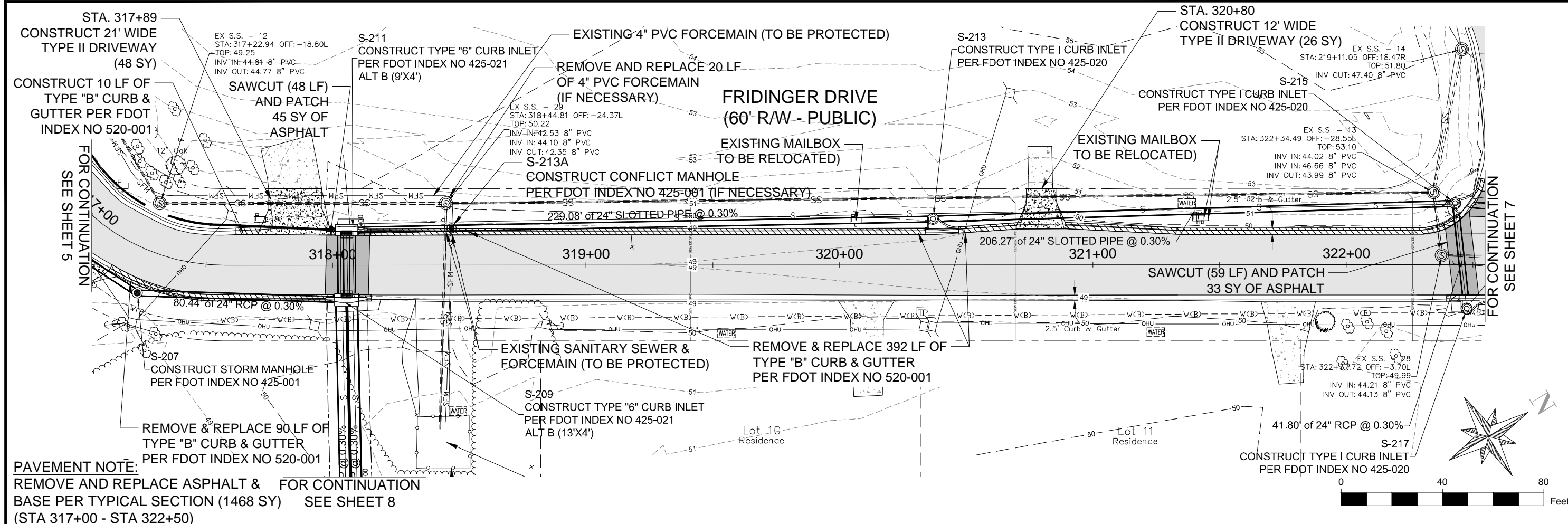
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**PINE VALLEY ESTATES
 ROADWAY & DRAINAGE
 IMPROVEMENTS
 PHASE I PLAN/PROFILE**

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Project Number: 200401
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 Checked By: J.L.L.
 Sheet: **5**

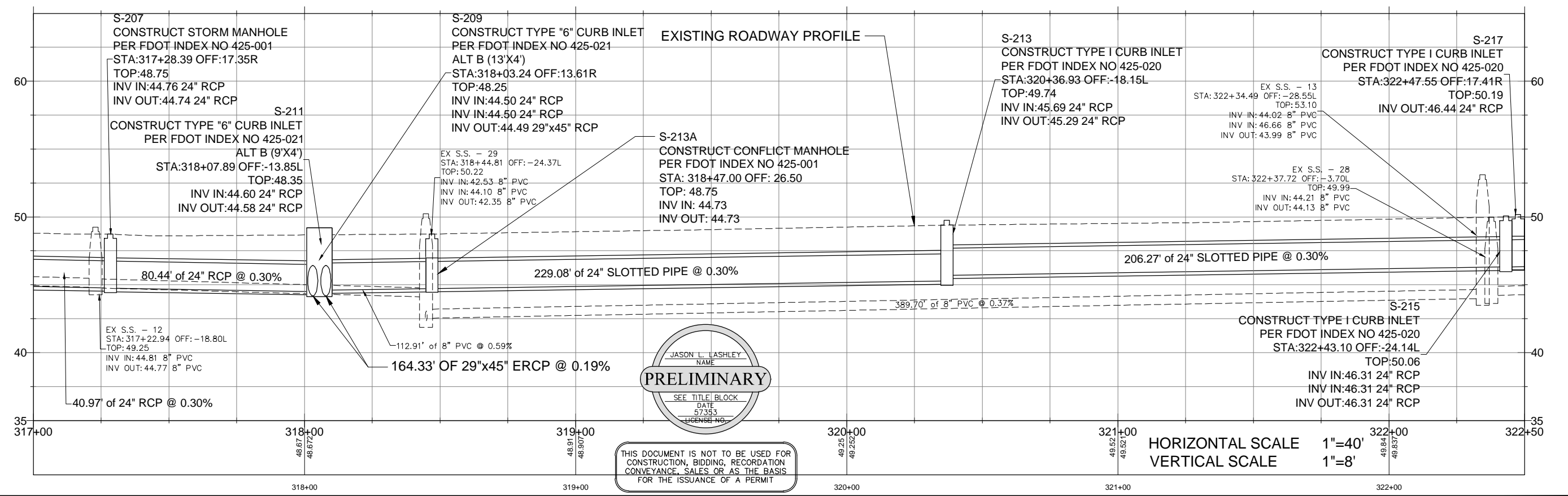
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PAVEMENT NOTE:
 REMOVE AND REPLACE ASPHALT & FOR CONTINUATION
 BASE PER TYPICAL SECTION (1468 SY) SEE SHEET 8
 (STA 317+00 - STA 322+50)

UTILITY NOTES:
 WATERLINE RELOCATION PLANS SHOWN
 ON SHEETS 18-19.

FRIDINGER DRIVE CENTERLINE PROFILE



JASON L. LASHLEY
 NAME
PRELIMINARY
 SEE TITLE BLOCK
 DATE 5/7/23
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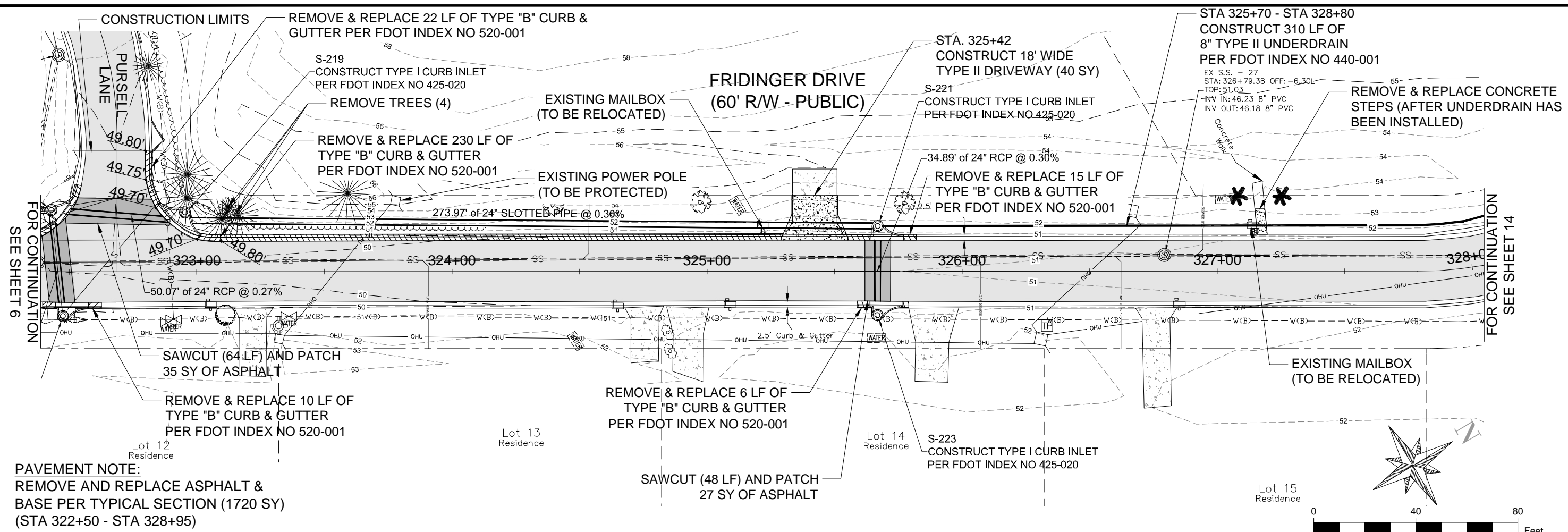
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**PINE VALLEY ESTATES
 ROADWAY & DRAINAGE
 IMPROVEMENTS
 PHASE I PLAN/PROFILE**

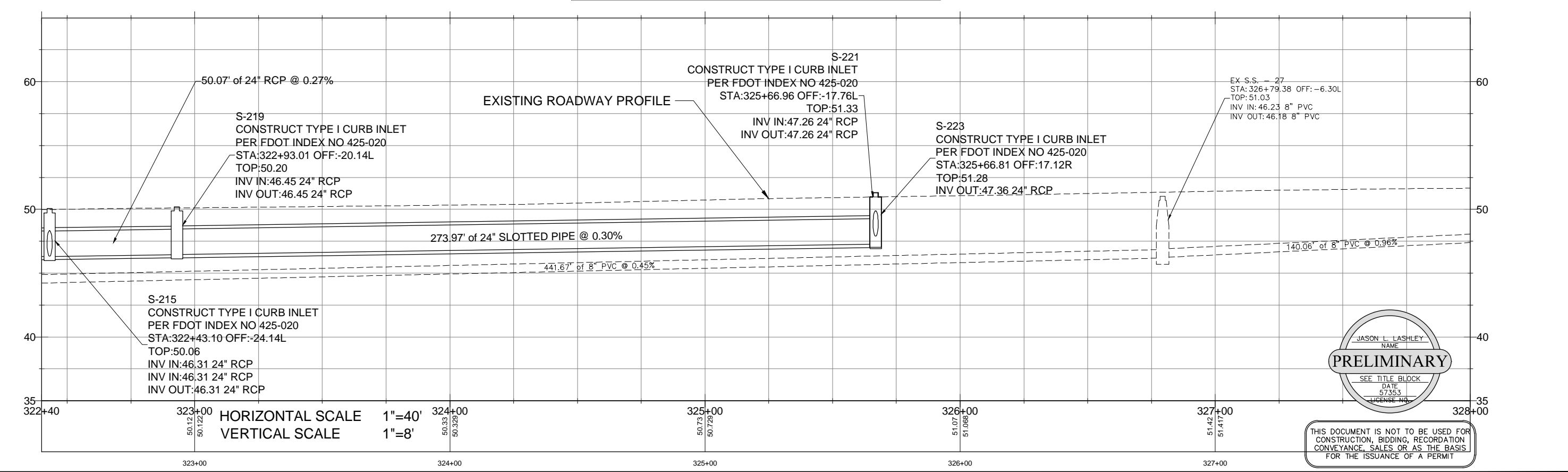
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Project Number: 200401
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 Designed By: F.E.A.
 Checked By: J.L.L.
 Sheet: **6**

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FRIDINGER DRIVE CENTERLINE PROFILE



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CERTIFICATE OF AUTHORIZATION #26889

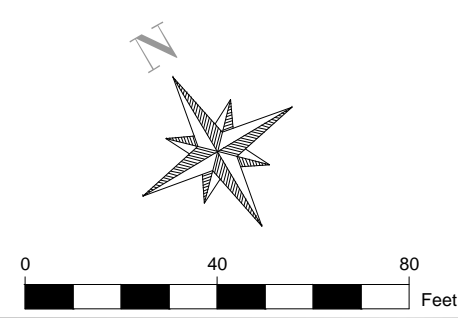
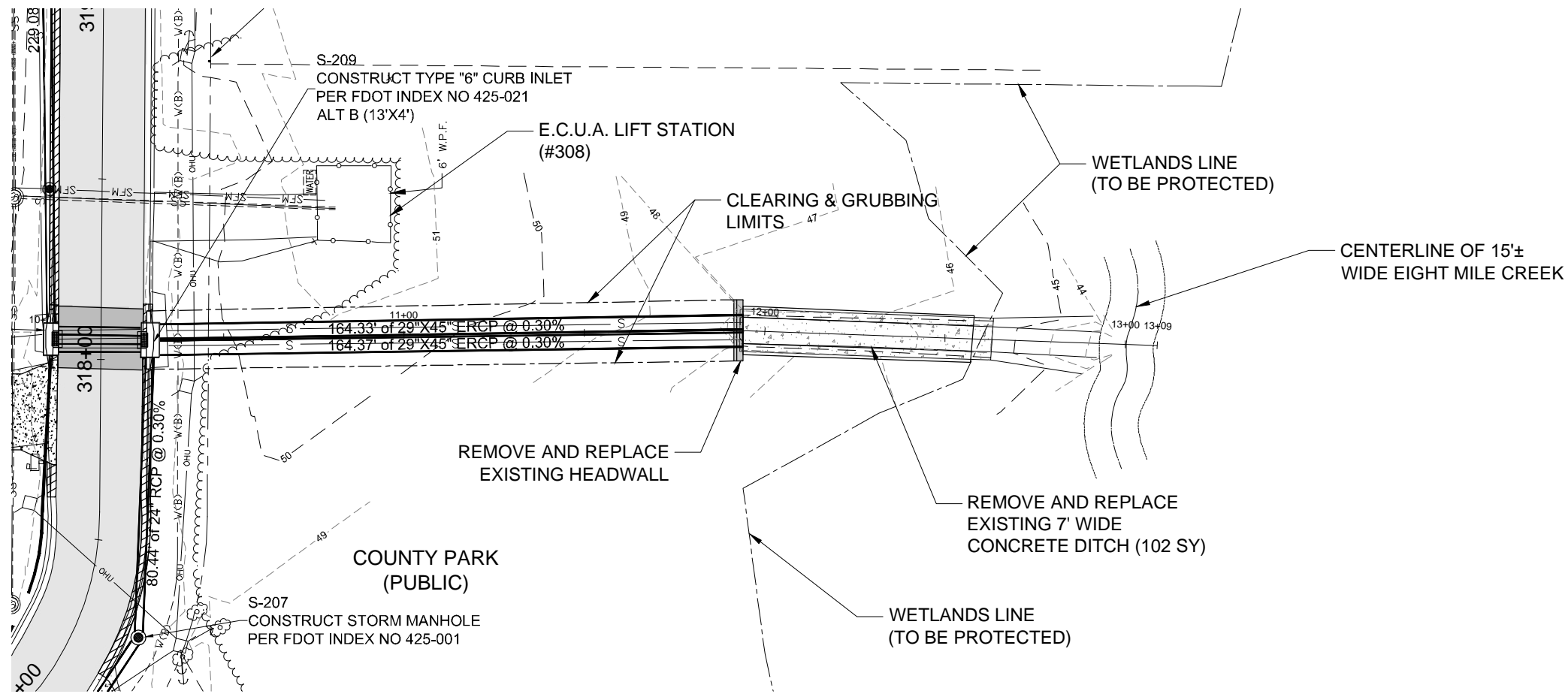
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ENGINEERING DEPARTMENT

**PINE VALLEY ESTATES
ROADWAY & DRAINAGE
IMPROVEMENTS
PHASE I PLAN/PROFILE**

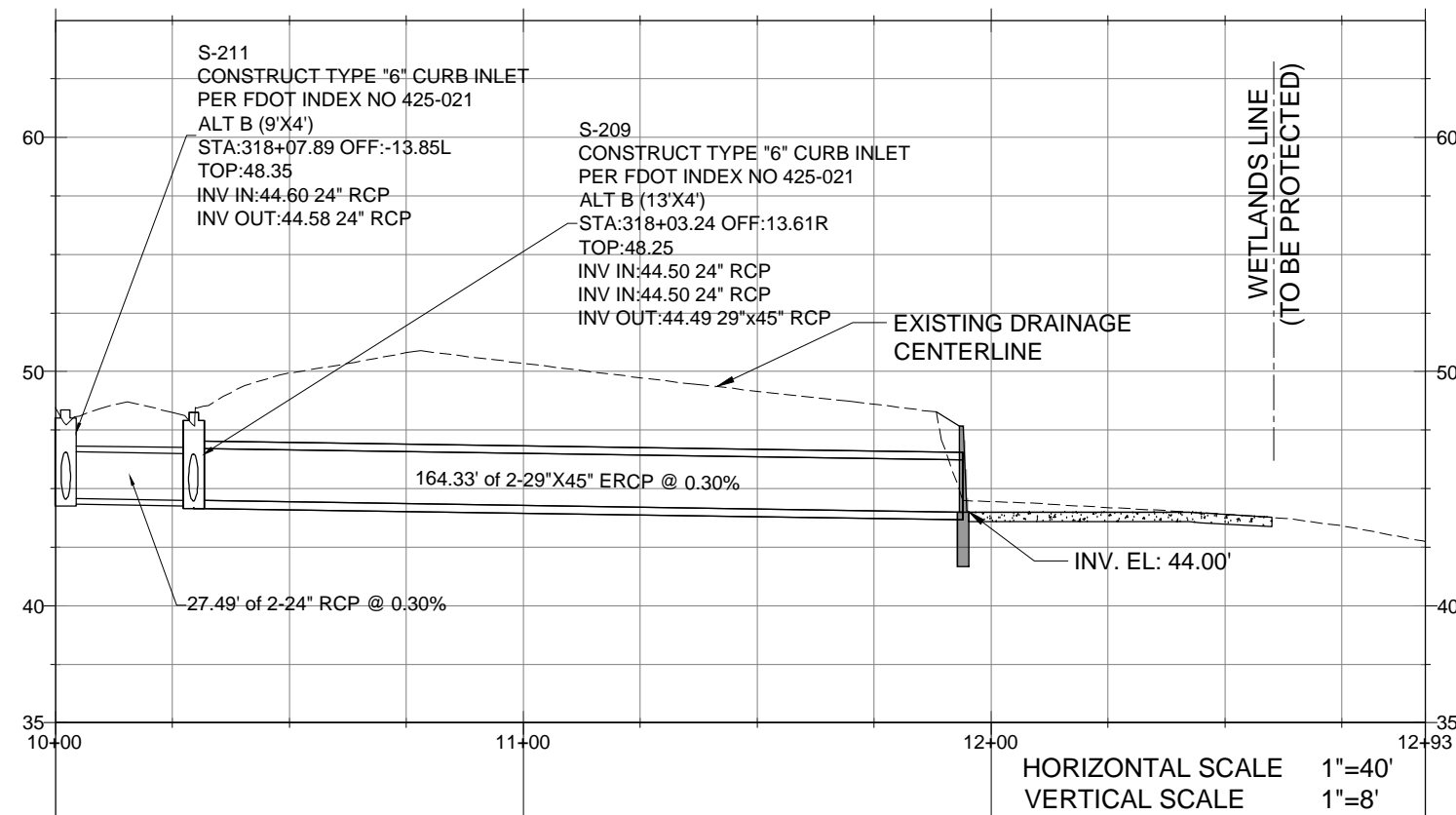
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Project Number: 200401
Date: JUNE 2021
Drawn By: F.E.A.
Designed By: F.E.A.
Checked By: J.L.L.
Sheet: 7

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PHASE I - OUTFALL ALIGNMENT PROFILE



HORIZONTAL SCALE 1"=40'
VERTICAL SCALE 1"=8'



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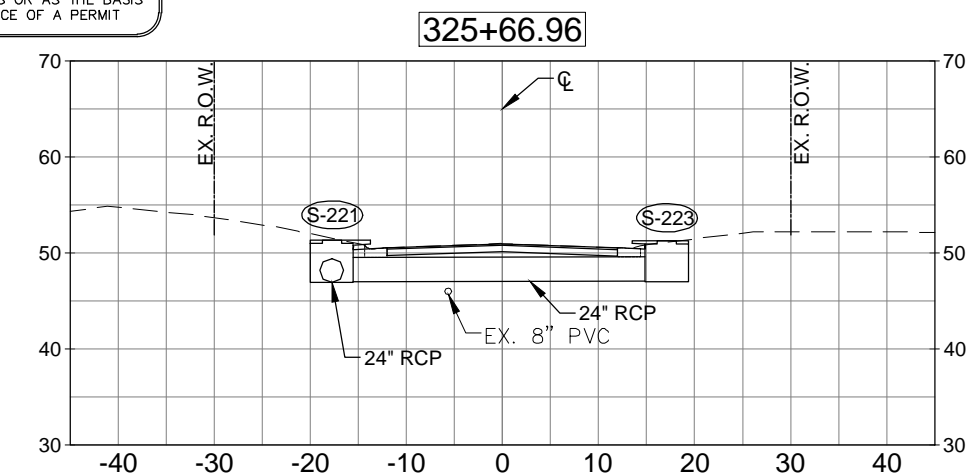
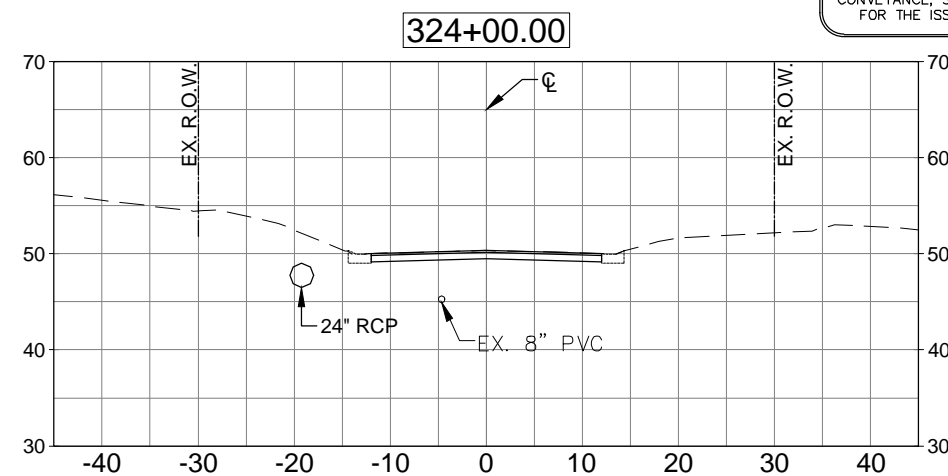
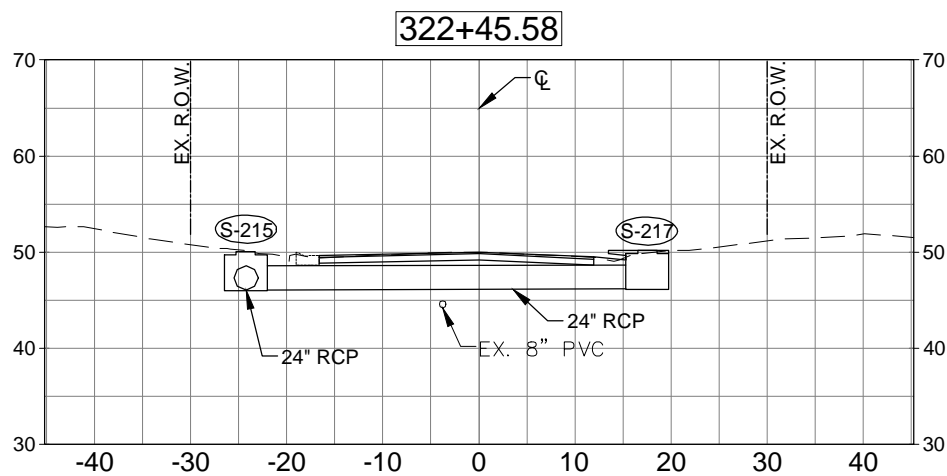
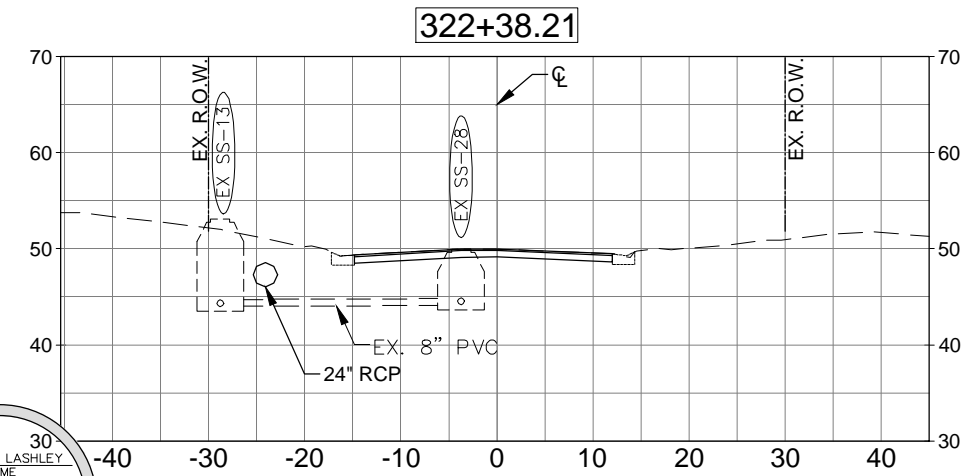
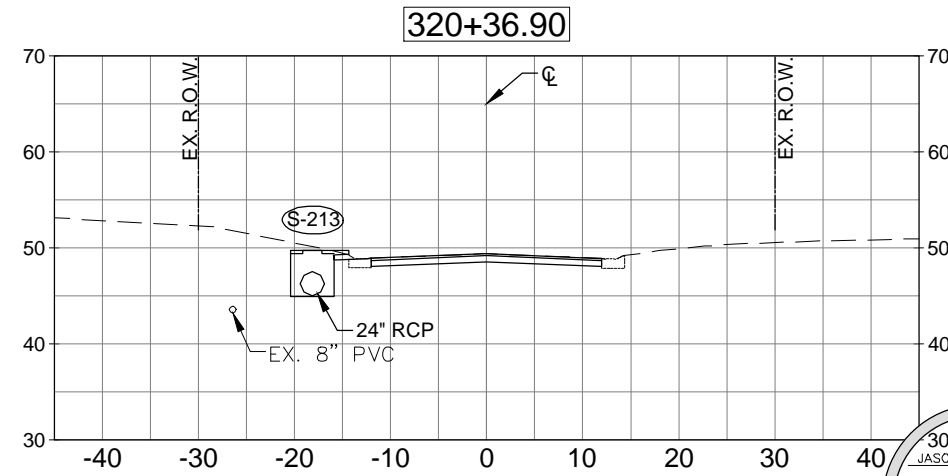
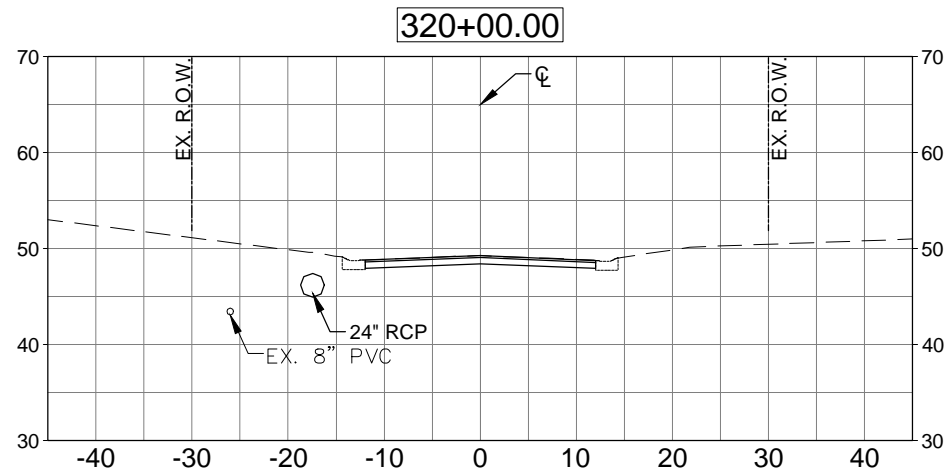
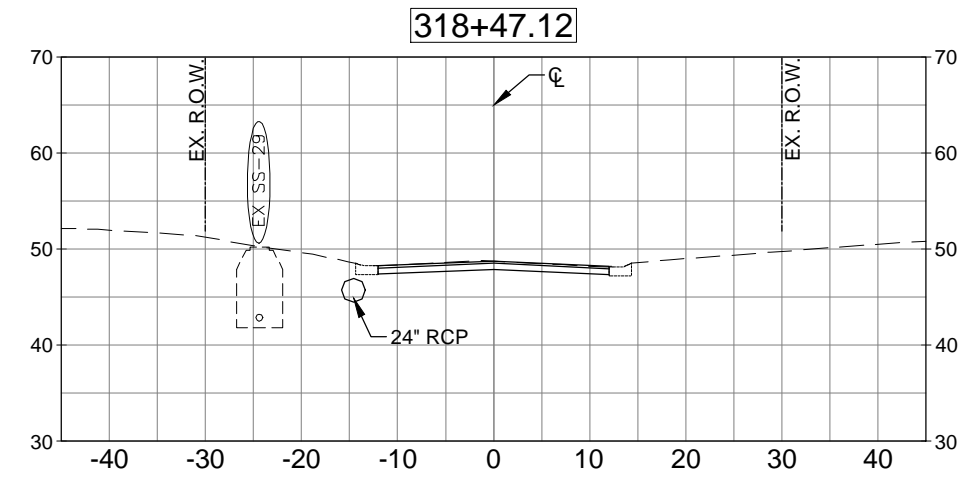
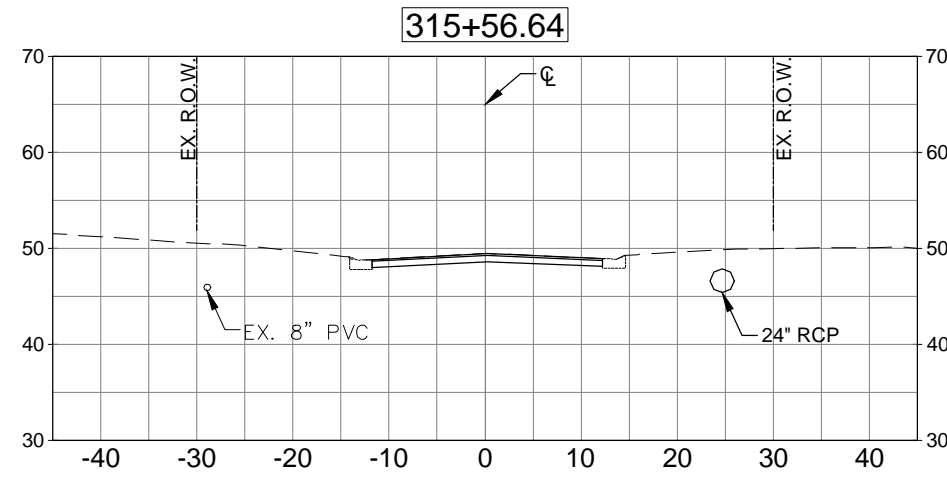
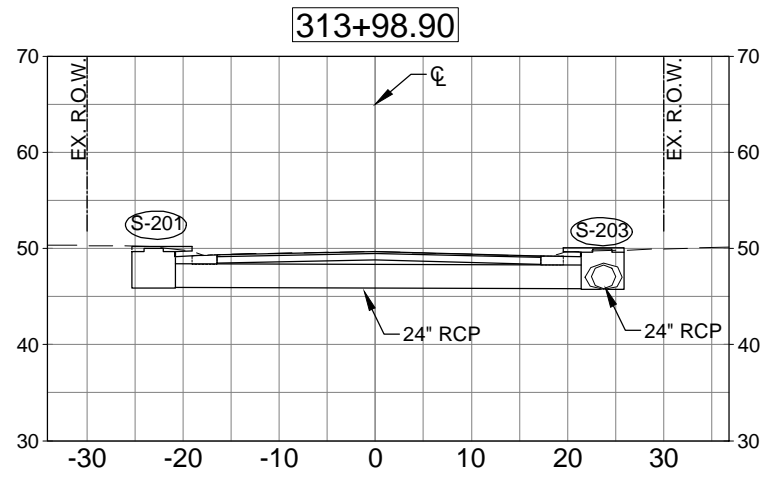
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PINE VALLEY ESTATES
ROADWAY & DRAINAGE
IMPROVEMENTS
PHASE I PLAN/PROFILE

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Project Number: 200401
Date: JUNE 2021
Drawn By: F.E.A.
Designed By: F.E.A.
Checked By: J.L.L.
Sheet: 8

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30 30
 JASON L. LASHLEY
 NAME
PRELIMINARY
 SEE TITLE BLOCK
 DATE
 5/3/21
 LICENSE NO.

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PHASE I - FRIDINGER DRIVE

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 PENSACOLA, FLORIDA 32503
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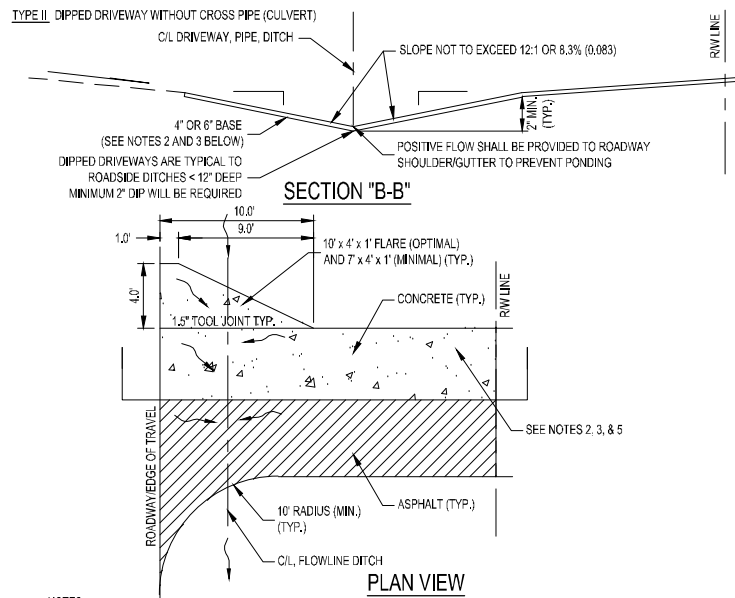
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PINE VALLEY ESTATES
 ROADWAY & DRAINAGE
 IMPROVEMENTS
 PHASE I DRAINAGE CROSS SECTIONS

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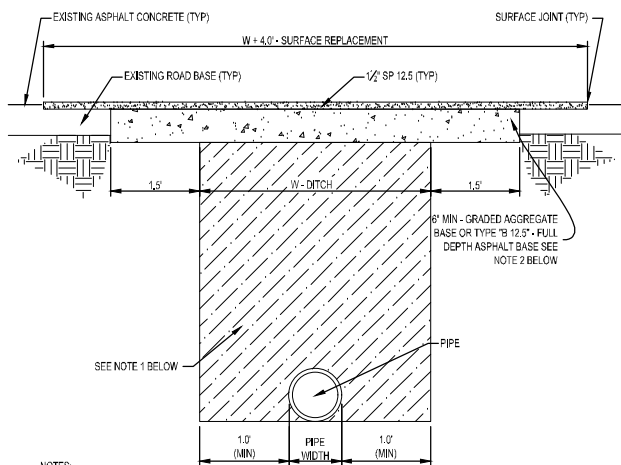
Project Number: 200401
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 Designed By: F.E.A.
 Checked By: J.L.L.
 Sheet: **9**

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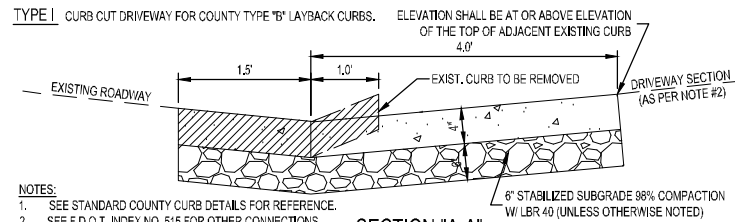
- NOTES:**
- ALL MATERIALS AND LABOR FOR INSTALLATION WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNER/CONTRACTOR.
 - RESIDENTIAL DRIVEWAYS ABUTTING PAVED ROADS SHALL BE 1" 1/2" ASPHALT WITH 6" STABILIZED SUB GRADE OR 4" CONCRETE WITH 6" STABILIZED SUB GRADE + 8% COMPACTION (MODIFIED PROCTOR) WITH LBR 48 BETWEEN EDGE OF ROADWAY AND RWLINE. COMPACTION AND TESTING IF NECESSARY, THIS WILL BE THE RESPONSIBILITY OF THE OWNER/CONTRACTOR.
 - DRIVEWAYS ABUTTING A DIRT ROAD SHALL BE MILLED ASPHALT, GRADED AGGREGATE BASE, OR WASHED CONCRETE 4" IN DEPTH ON THE COUNTY MAINTAINED PORTION OF DRIVEWAY.
 - IF NECESSARY, REFER TO FOOT INDEX DETAILS AS REFERENCED BELOW.
 - RADIUS OR FLARE IS REQUIRED FOR TYPE B OR TYPE B CONNECTIONS. SEE DETAIL.
 - PARKING SPACES WITHIN COUNTY RIGHT-OF-WAY SHALL PROVIDE A MINIMUM OF 2 PARKING SPACES.
 - TYPICAL DRIVEWAY SECTIONS ARE TO BE 12' WIDE MINIMUM, (SEE NOTE #2 FOR PAVEMENT TYPES AND DEPTHS).
 - DRIVEWAY SLOPE SHALL NOT CREATE OR EXAGGERATE VEHICULAR SCRAPING. ATTEMPTS SHALL BE MADE TO CORRECT THIS TYPE OF PROBLEM.
 - FOR COUNTY IMPROVEMENT PROJECTS, REPLACEMENT DRIVEWAYS SHALL MATCH EXISTING WIDTHS AT ROADWAY EDGE OF TRAVEL WITHOUT COMPROMISING SAFETY.
- TYPE IV** SPECIAL INNOVATIVE DRIVEWAY CONNECTION AS DESIGNED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER (P.E.) OR LICENSED CONTRACTOR APPROVED BY THE APPROPRIATE PUBLIC WORKS / DEVELOPMENT REVIEW STAFF AND REQUIRES A DETAILED PLAN SUBMITTAL FOR REVIEW PRIOR TO ISSUANCE OF PERMIT.
- TYPE IIA** REQUIRES A F.D.O.T. CONNECTION PERMIT (PROVIDE APPROVED F.D.O.T. PERMIT TO OBTAIN COUNTY APPROVAL). REFER TO INDEX NO. 515 AND CONTACT F.D.O.T. AT (850) 981-3000. MAY REQUIRE PLANS PREPARED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER (P.E.).

TYPE II DRIVEWAY CONNECTION STANDARDS
NOT TO SCALE

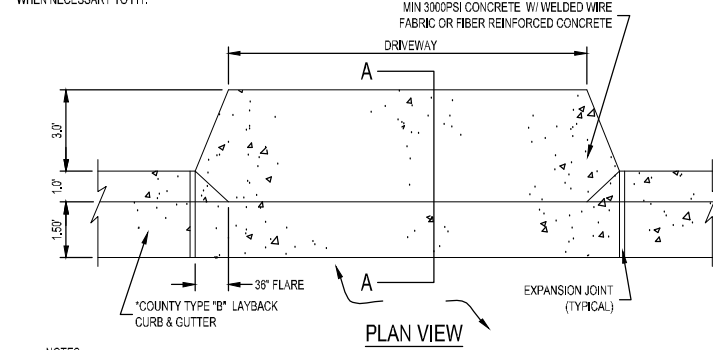


- NOTES:**
- ROAD PATCH WORK BACKFILL (SUBBASE) MATERIAL SHALL BE PLACED IN NOT MORE THAN 6" LIFTS. EACH LAYER TO BE TAMPED TO A MINIMUM OF 40 LBR AND A MINIMUM OF 98% OF MODIFIED PROCTOR.
 - GRADED AGGREGATE BASE SHALL BE A MINIMUM OF 100 LBR AND COMPACTED TO A MINIMUM OF 98% MODIFIED PROCTOR. CONCRETE SHALL BE A MIN. 3000 PSI WHEN USED FOR BASE OR ROAD SURFACE.
 - ROAD CUTS SHALL BE MECHANICALLY SAW CUT TO FORM A SURFACE PAVEMENT JOINT AND TACK COATED ALONG THE FACE OF CUT JOINTS PRIOR TO ASPHALT PLACEMENT.
 - LONGITUDINAL ROAD CUTS OF LESS THAN ONE-HALF PAVEMENT WIDTH TO BE PATCHED SAME AS LATERAL PATCH. LONGITUDINAL ROAD CUTS ONE-HALF OR GREATER TO BE PATCHED WITH SAME BASE MATERIAL AND ENTIRE ROAD WIDTH RESURFACED.
 - TOP WIDTH OF DITCH (W-DITCH) IS TO BE DETERMINED BY OSHA LAYBACK SLOPE REQUIREMENTS FOR DEPTH OF CUT.

PAVED ROAD (LARGE PATCH) DETAIL
(FOR PATCHES 24" WIDE OR GREATER)
(ALL NOTES APPLY, SEE ABOVE)
NOT TO SCALE



- NOTES:**
- SEE STANDARD COUNTY CURB DETAILS FOR REFERENCE.
 - SEE F.D.O.T. INDEX NO. 515 FOR OTHER CONNECTIONS.
 - FOR OTHER TYPE CURBS, DIMENSIONS MUST BE ADJUSTED, WHEN NECESSARY TO FIT.



- NOTES:**
- ALL MATERIALS AND LABOR FOR INSTALLATION WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNER/CONTRACTOR.
 - RESIDENTIAL DRIVEWAYS ABUTTING PAVED ROADS SHALL BE 1" 1/2" ASPHALT WITH 6" STABILIZED SUB GRADE OR 4" CONCRETE WITH 6" STABILIZED SUB GRADE + 8% COMPACTION (MODIFIED PROCTOR) WITH LBR 48 BETWEEN EDGE OF ROADWAY AND RWLINE. COMPACTION AND TESTING IF NECESSARY, THIS WILL BE THE RESPONSIBILITY OF THE OWNER/CONTRACTOR.
 - DRIVEWAYS ABUTTING A DIRT ROAD SHALL BE MILLED ASPHALT, GRADED AGGREGATE BASE, OR WASHED CONCRETE 4" IN DEPTH ON THE COUNTY MAINTAINED PORTION OF DRIVEWAY.
 - IF NECESSARY, REFER TO FOOT INDEX DETAILS AS REFERENCED BELOW.
 - RADIUS OR FLARE IS REQUIRED FOR TYPE B OR TYPE B CONNECTIONS. SEE DETAIL.
 - PARKING SPACES WITHIN COUNTY RIGHT-OF-WAY SHALL PROVIDE A MINIMUM OF 2 PARKING SPACES.
 - TYPICAL DRIVEWAY SECTIONS ARE TO BE 12' WIDE MINIMUM, (SEE NOTE #2 FOR PAVEMENT TYPES AND DEPTHS).
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TYPE I DRIVEWAY CONNECTION STANDARDS
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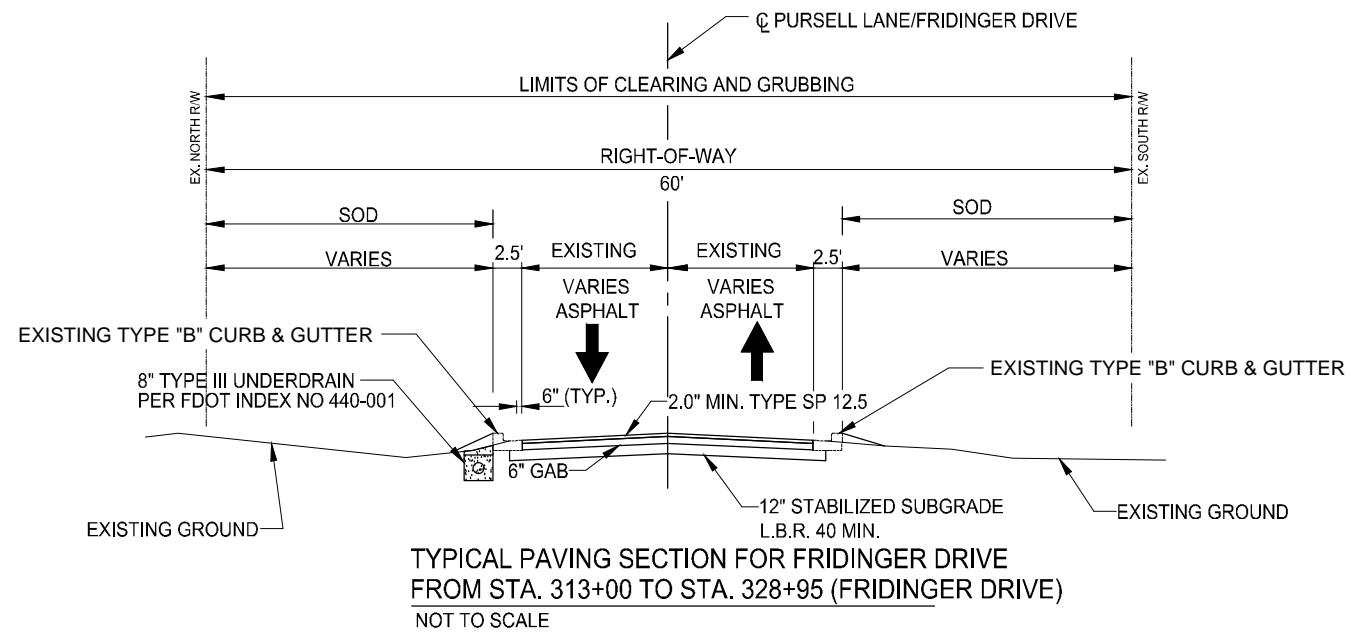
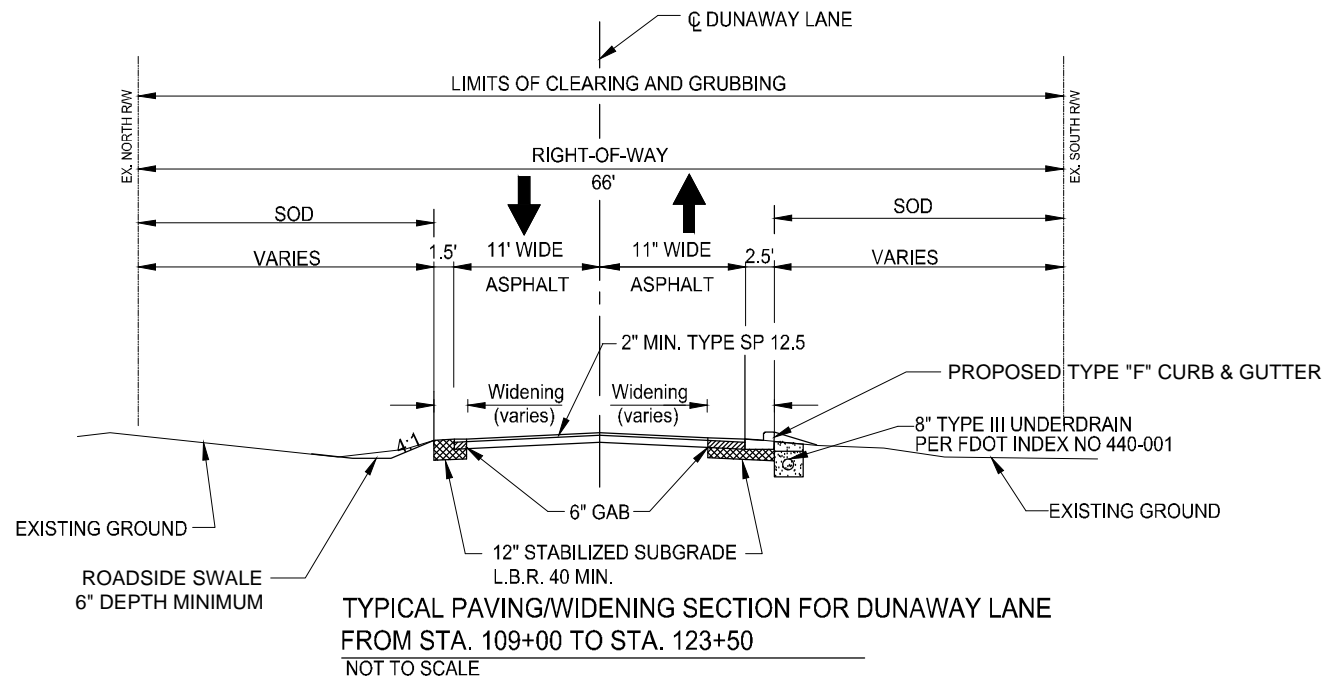
PINE VALLEY ESTATES
ROADWAY & DRAINAGE
IMPROVEMENTS
DETAILS

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Project Number:
200401
Date:
JUNE 2021
Drawn By:
F.E.A.
Designed By:
F.E.A.
Checked By:
J.L.L.
Sheet:
10

TYPICAL SECTION NOTES

1. UNDERDRAIN SHALL HAVE A CLEANOUT INSTALLED EVERY 300'.
2. UNDERDRAIN SHALL DAYLIGHT/CONNECT TO NEAREST PROPOSED DRAINAGE STRUCTURE.
3. CONTRACTOR WILL NOT GRADE FOR ROADSIDE SWALES WITHIN THE DRIPLINE OF EXISTING TREES



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**PINE VALLEY ESTATES
ROADWAY & DRAINAGE
IMPROVEMENTS
PHASE II ROADWAY TYPICAL SECTION**

| NO. | REVISION | DATE |
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| Project Number: | 200401 |
| Date: | JUNE 2021 |
| Drawn By: | F.E.A. |
| Designed By: | F.E.A. |
| Checked By: | J.L.L. |
| Sheet: | 11 |

UTILITY NOTES

1. WATERLINE RELOCATION PLANS SHOWN ON SHEETS 16 & 17

PAVEMENT NOTE:

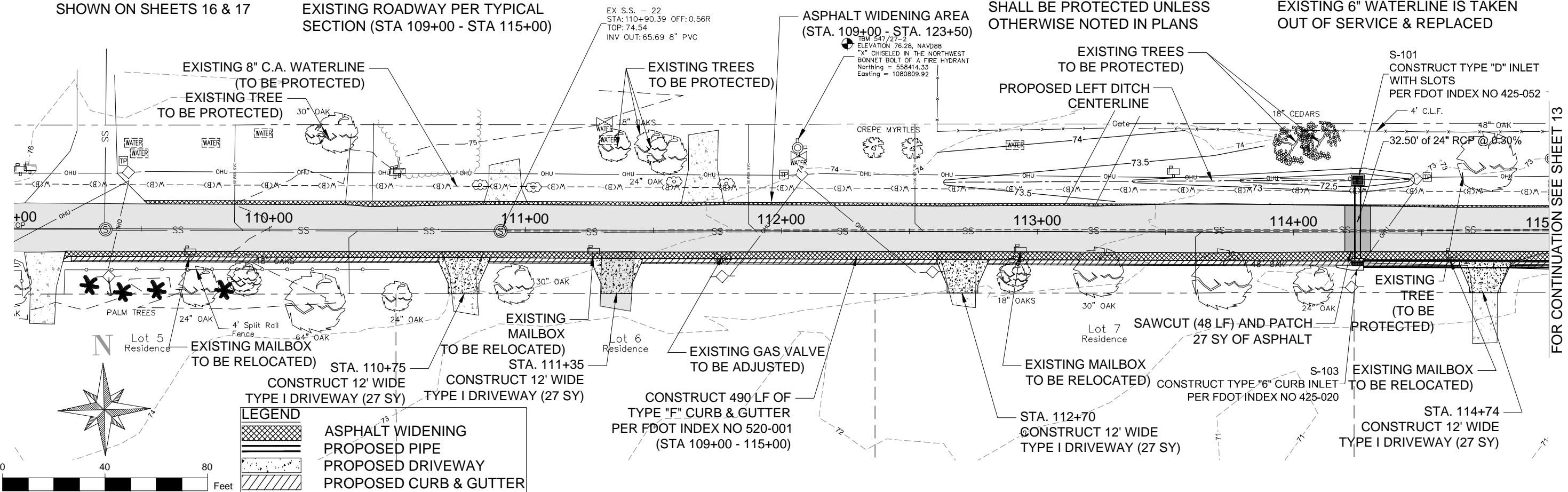
MILL EXISTING ASPHALT AND WIDEN EXISTING ROADWAY PER TYPICAL SECTION (STA 109+00 - STA 115+00)

TREE PROTECTION NOTE:

1. ALL TREES WITHIN PROJECT LIMITS SHALL BE PROTECTED UNLESS OTHERWISE NOTED IN PLANS

DRAINAGE NOTES

1. S-101 WILL BE PLACED WHEN THE EXISTING 6" WATERLINE IS TAKEN OUT OF SERVICE & REPLACED

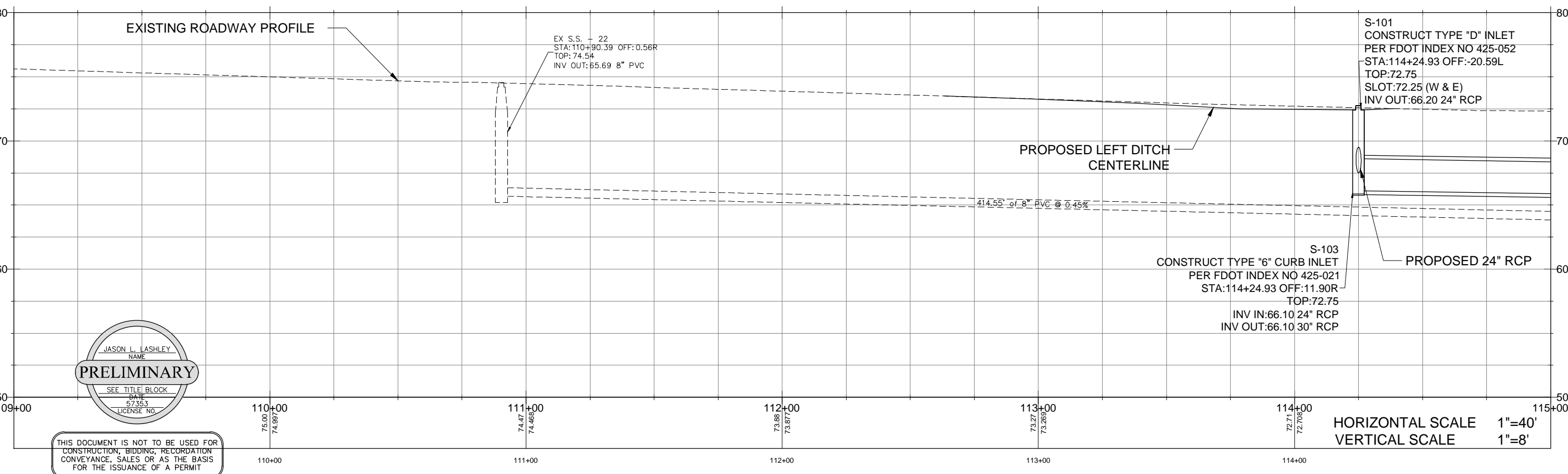


LEGEND

- ASPHALT WIDENING
- PROPOSED PIPE
- PROPOSED DRIVEWAY
- PROPOSED CURB & GUTTER

Scale: 0, 40, 80 Feet

DUNAWAY LANE CENTERLINE PROFILE



PRELIMINARY

JASON L. LASHLEY
NAME
DATE
57353
LICENSE NO.

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FOR CONTINUATION SEE SHEET 13

SIGMA CONSULTING GROUP, INC.
3298 SUMMIT BOULEVARD, SUITE 32
PENSACOLA, FLORIDA 32503
PHONE: (850) 332-7912
CERTIFICATE OF AUTHORIZATION #26889

BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA
ENGINEERING DEPARTMENT

**PINE VALLEY ESTATES
ROADWAY & DRAINAGE
IMPROVEMENTS
PHASE II PLAN/PROFILE**

| NO. | REVISION | DATE |
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Project Number: 200401
Date: JUNE 2021
Drawn By: F.E.A.
Designed By: F.E.A.
Checked By: J.L.L.
Sheet: 12

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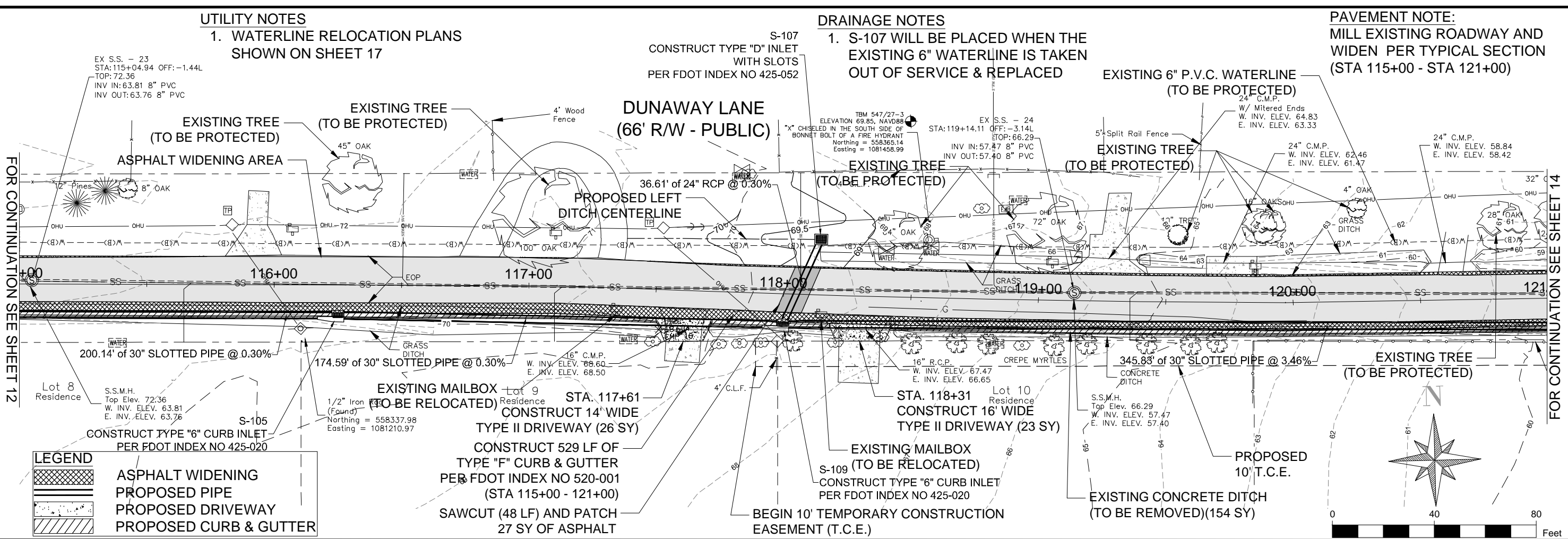
UTILITY NOTES
1. WATERLINE RELOCATION PLANS SHOWN ON SHEET 17

DRAINAGE NOTES
1. S-107 WILL BE PLACED WHEN THE EXISTING 6" WATERLINE IS TAKEN OUT OF SERVICE & REPLACED

PAVEMENT NOTE:
MILL EXISTING ROADWAY AND WIDEN PER TYPICAL SECTION (STA 115+00 - STA 121+00)

FOR CONTINUATION SEE SHEET 12

FOR CONTINUATION SEE SHEET 14

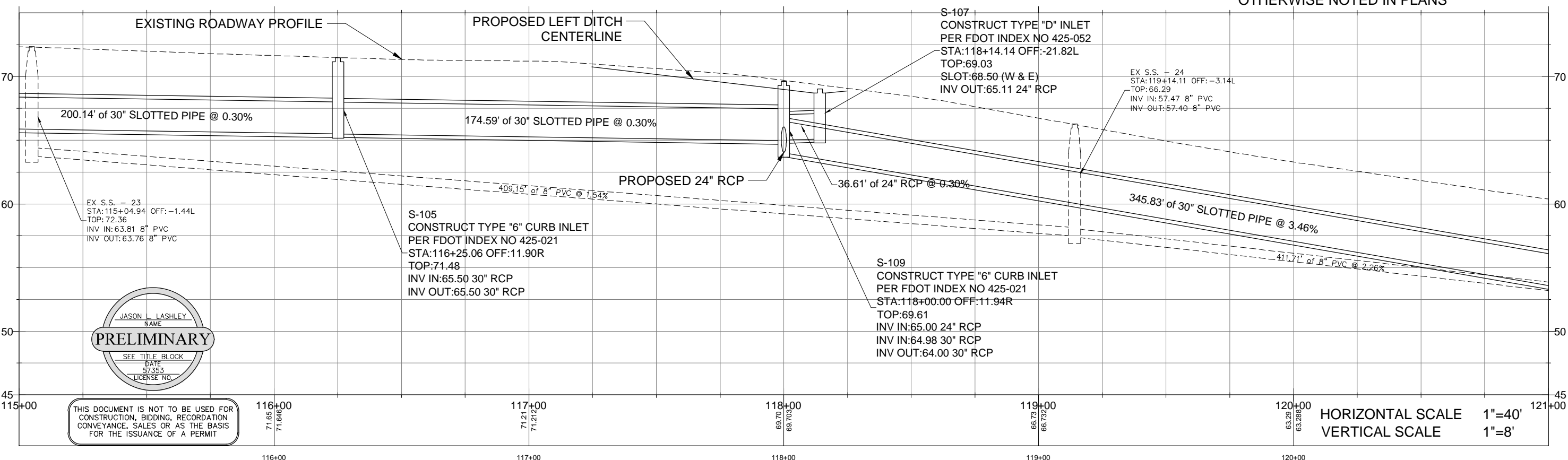


LEGEND

- ASPHALT WIDENING
- PROPOSED PIPE
- PROPOSED DRIVEWAY
- PROPOSED CURB & GUTTER

DUNAWAY LANE CENTERLINE PROFILE

TREE PROTECTION NOTE:
1. ALL TREES WITHIN PROJECT LIMITS SHALL BE PROTECTED UNLESS OTHERWISE NOTED IN PLANS



PRELIMINARY

JASON L. LASHLEY
NAME
SEE TITLE BLOCK
DATE
5/7/2021
LICENSE NO.

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HORIZONTAL SCALE 1"=40'
VERTICAL SCALE 1"=8'

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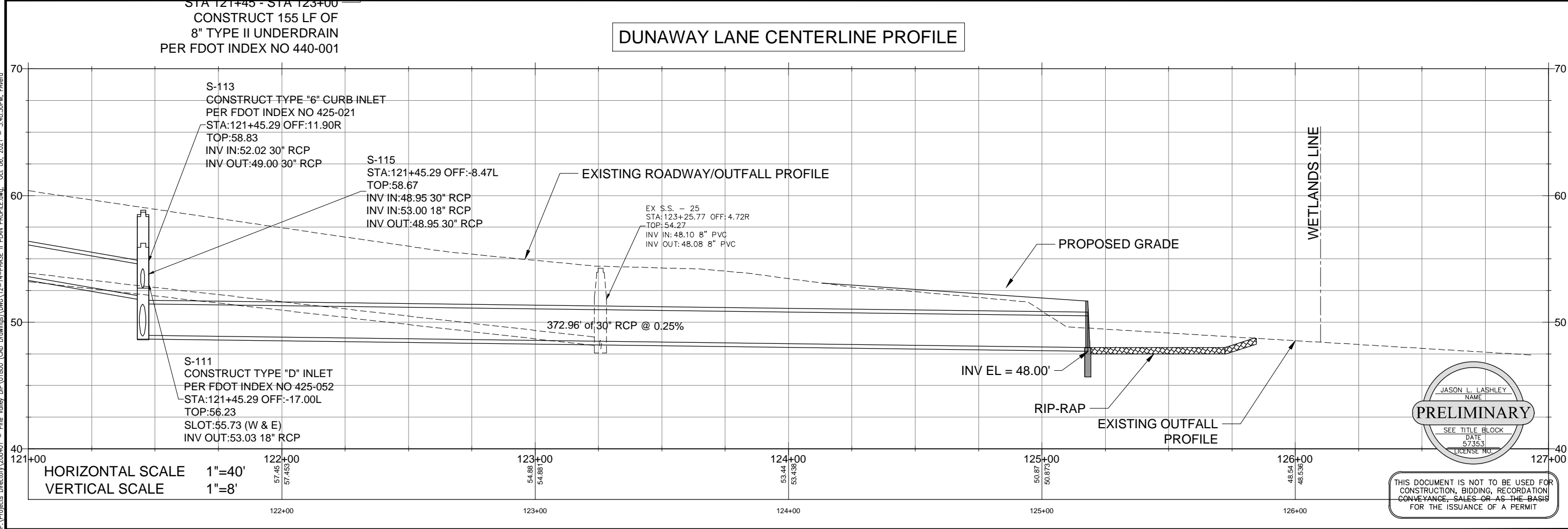
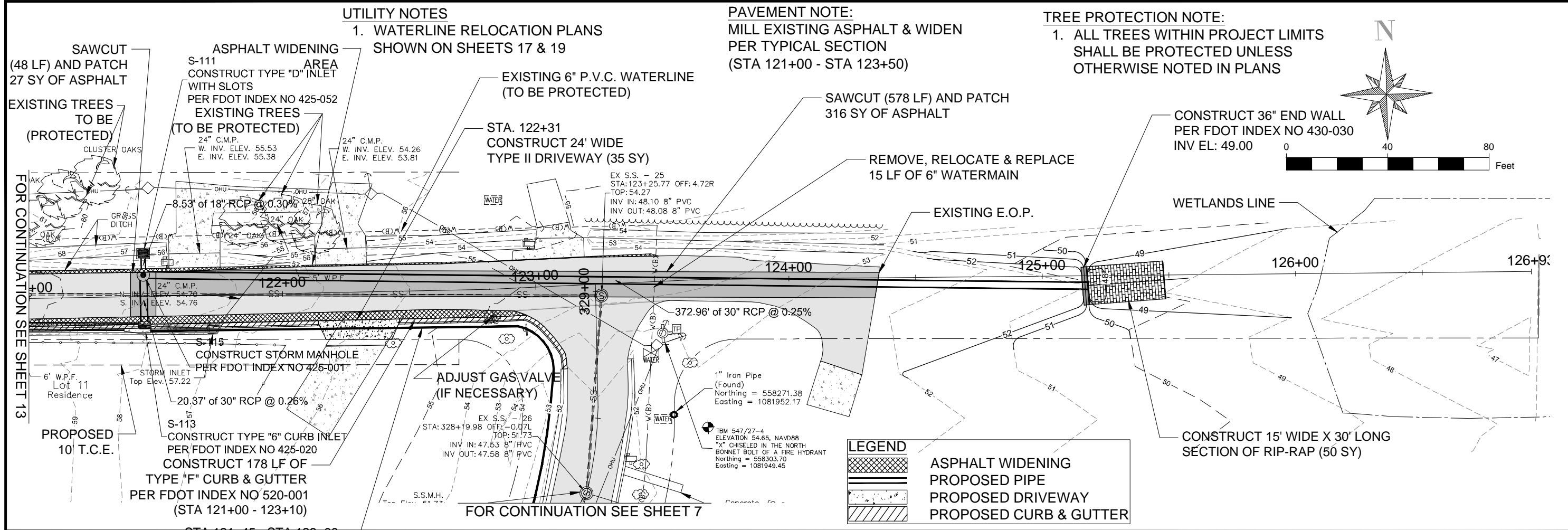
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PINE VALLEY ESTATES
ROADWAY & DRAINAGE
IMPROVEMENTS
PHASE II PLAN/PROFILE

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Project Number: 200401
Date: JUNE 2021
Drawn By: F.E.A.
Designed By: F.E.A.
Checked By: J.L.L.
Sheet: 13

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PINE VALLEY ESTATES
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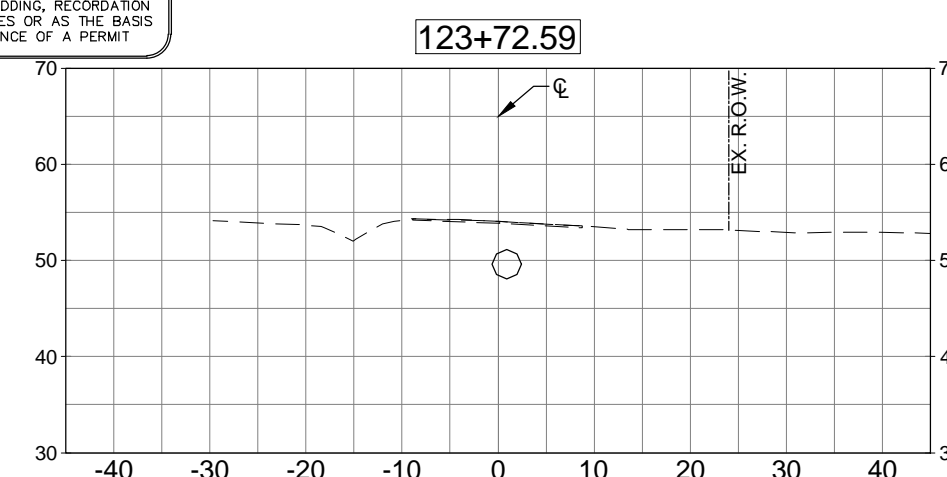
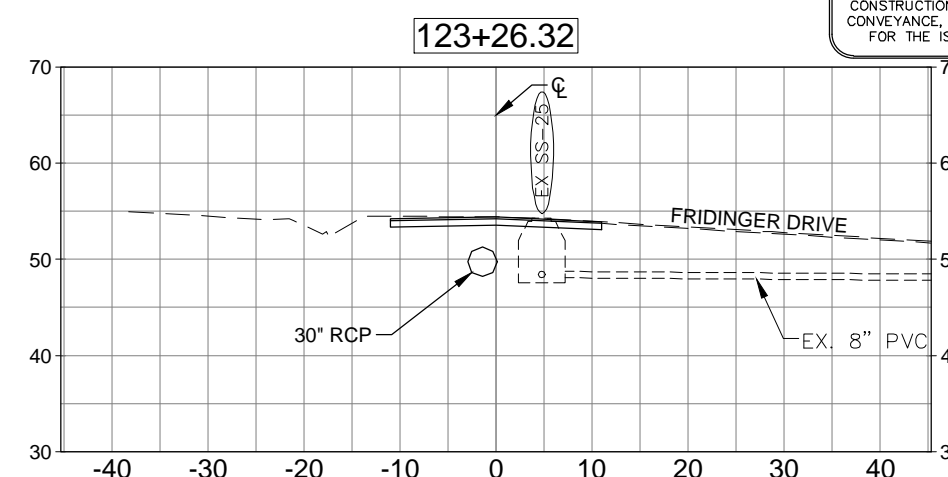
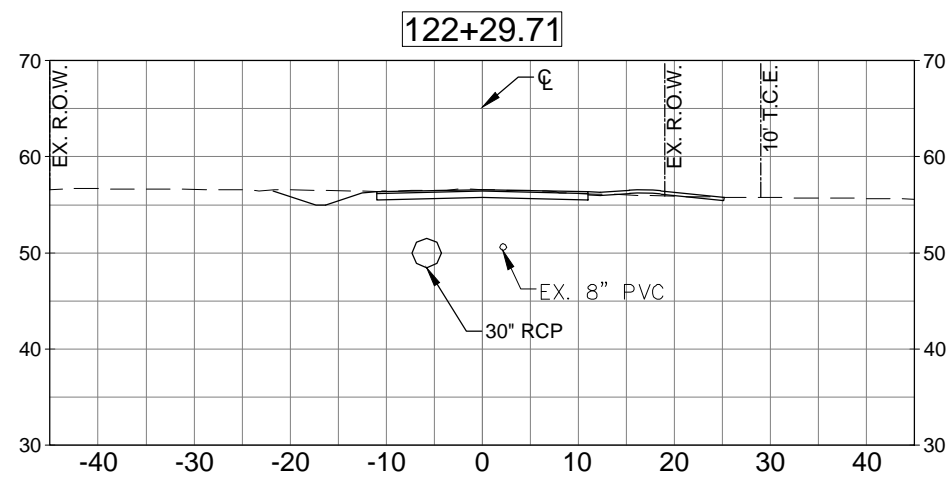
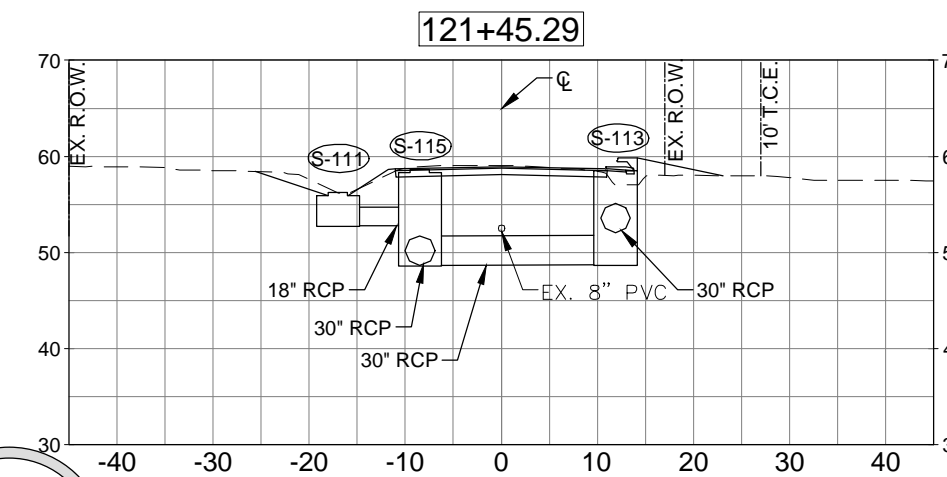
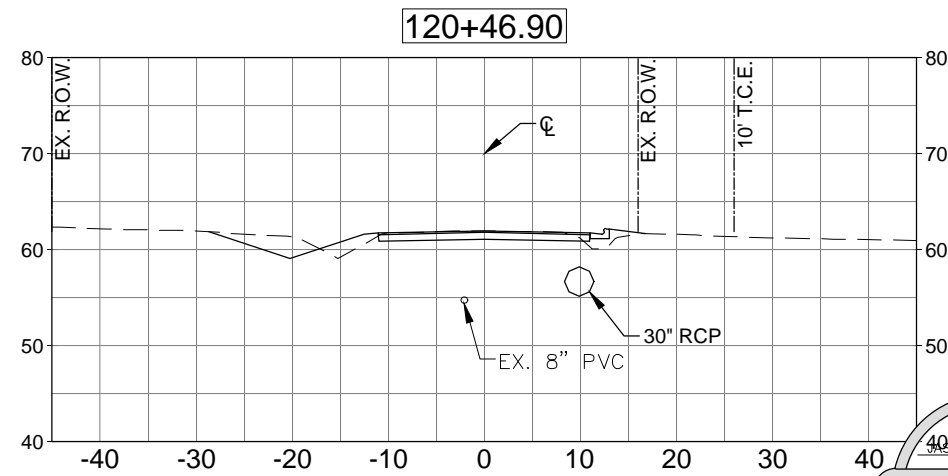
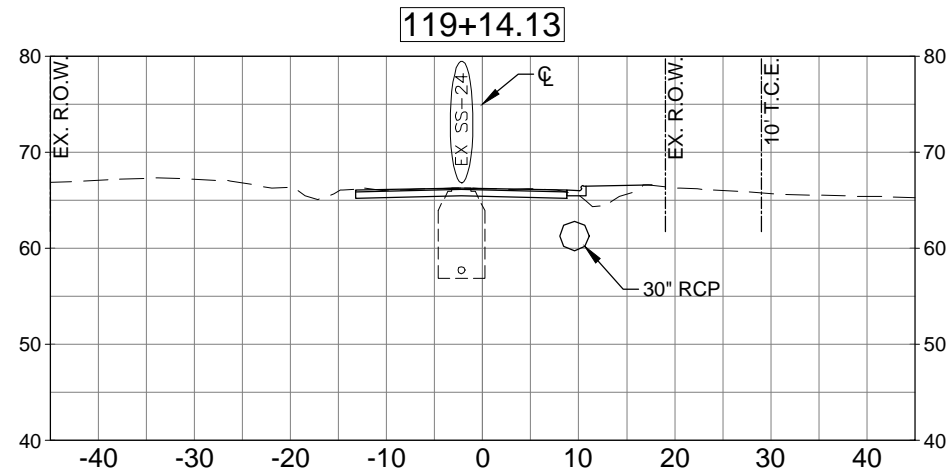
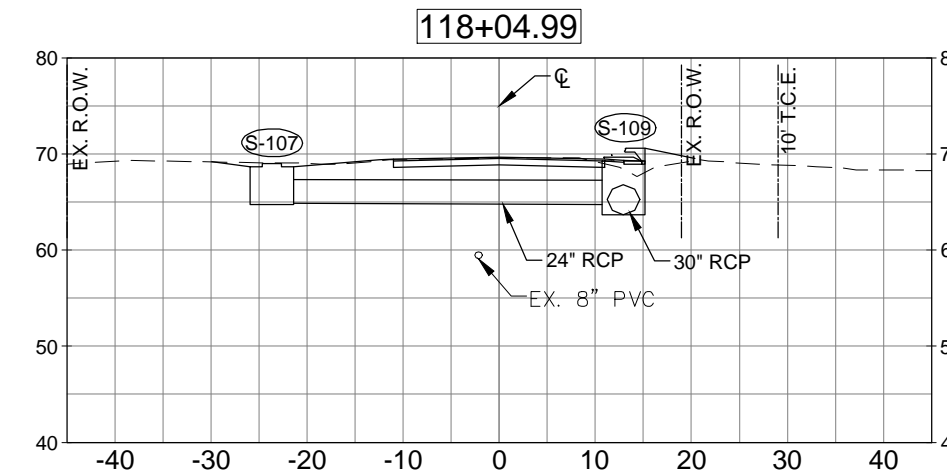
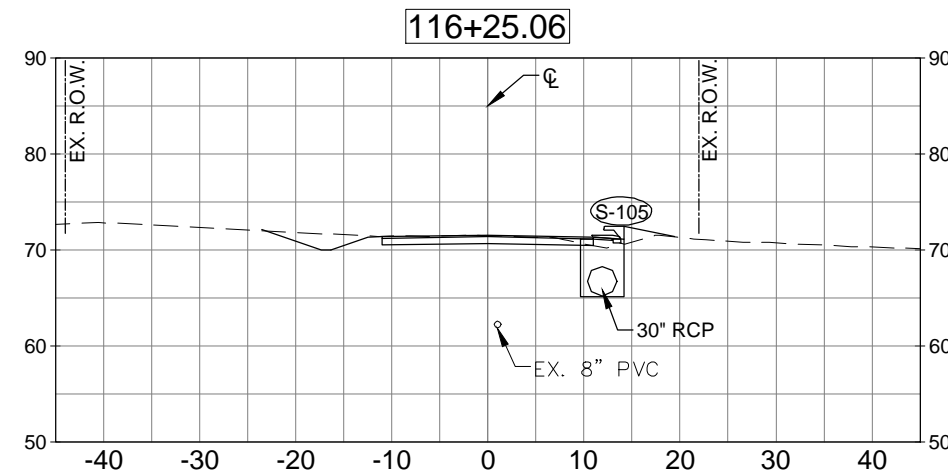
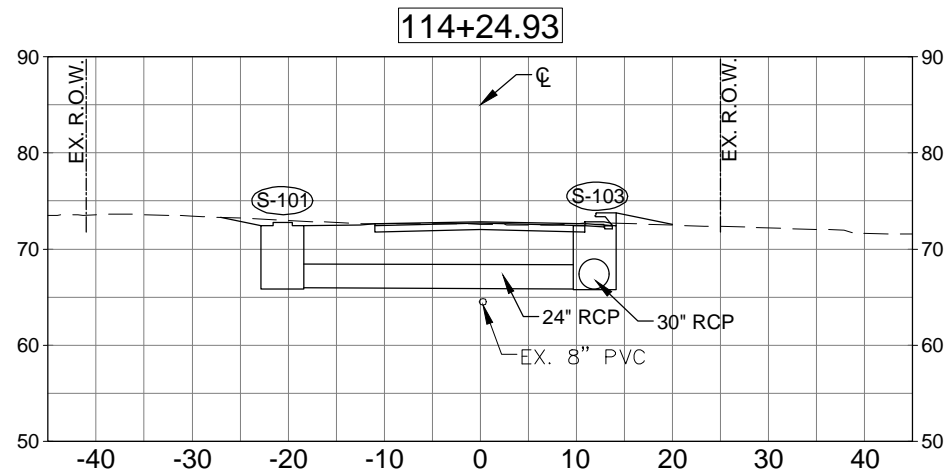
Project Number: 200401
 Date: JUNE 2021
 Drawn By: F.E.A.
 Designed By: F.E.A.
 Checked By: J.L.L.
 Sheet: 14

JASON L. LASHLEY
 NAME
PRELIMINARY
 SEE TITLE BLOCK
 DATE 5/23/21
 LICENSE NO.

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HORIZONTAL SCALE 1"=20'
 VERTICAL SCALE 1"=20'

PHASE II - DUNAWAY LANE

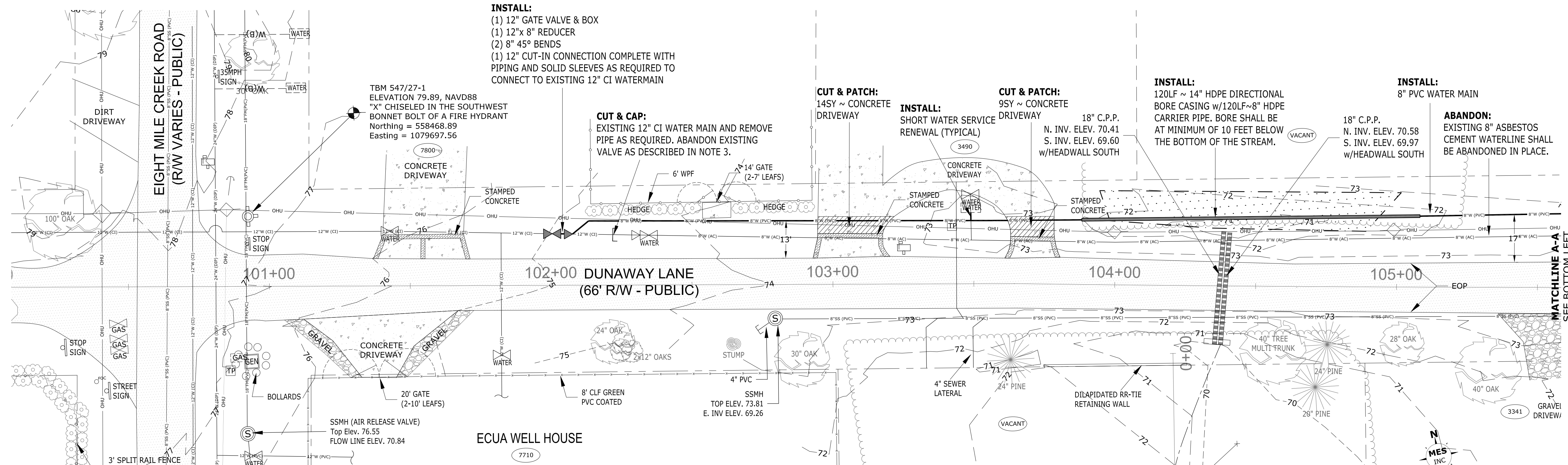
SIGMA
 CONSULTING
 GROUP, INC.
 3298 SUMMIT BOULEVARD, SUITE 32
 PENSACOLA, FLORIDA 32503
 PHONE: (850) 332-7912
 CERTIFICATE OF AUTHORIZATION #26889

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**PINE VALLEY ESTATES
 ROADWAY & DRAINAGE
 IMPROVEMENTS**
 PHASE II CROSS SECTIONS

| NO. | REVISION | DATE |
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Project Number: 200401
 Date: JUNE 2021
 Drawn By: F.E.A.
 Designed By: F.E.A.
 Checked By: J.L.L.
 Sheet: **15**



INSTALL:
 (1) 12" GATE VALVE & BOX
 (1) 12" x 8" REDUCER
 (2) 8" 45° BENDS
 (1) 12" CUT-IN CONNECTION COMPLETE WITH PIPING AND SOLID SLEEVES AS REQUIRED TO CONNECT TO EXISTING 12" CI WATERMAIN

CUT & CAP:
 EXISTING 12" CI WATER MAIN AND REMOVE PIPE AS REQUIRED. ABANDON EXISTING VALVE AS DESCRIBED IN NOTE 3.

CUT & PATCH:
 14SY ~ CONCRETE DRIVEWAY

INSTALL:
 SHORT WATER SERVICE RENEWAL (TYPICAL)

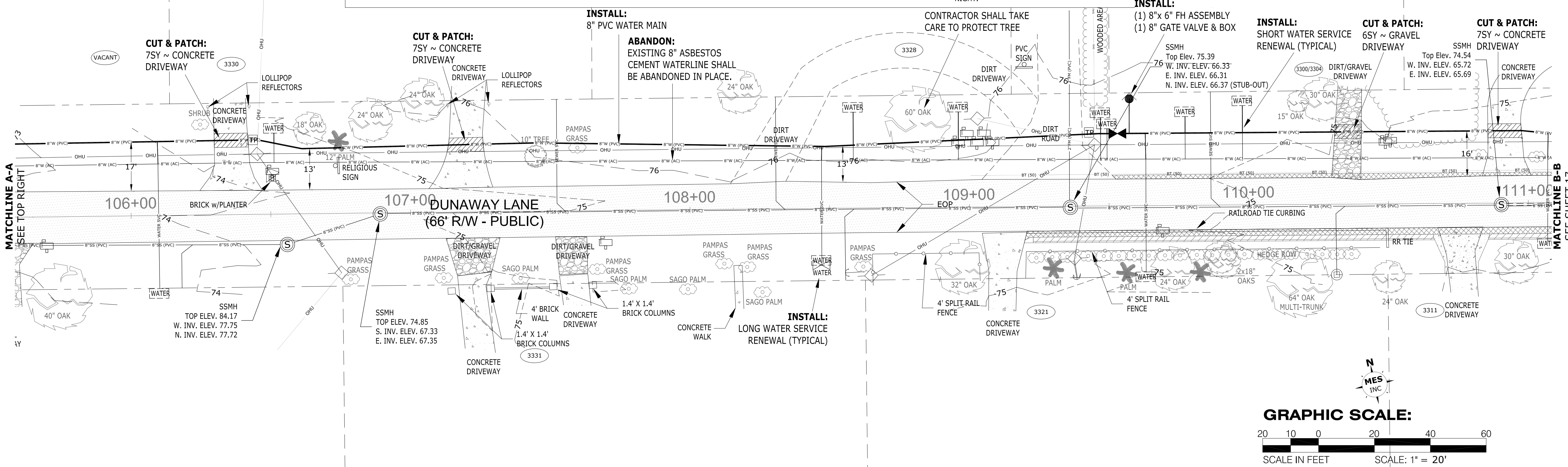
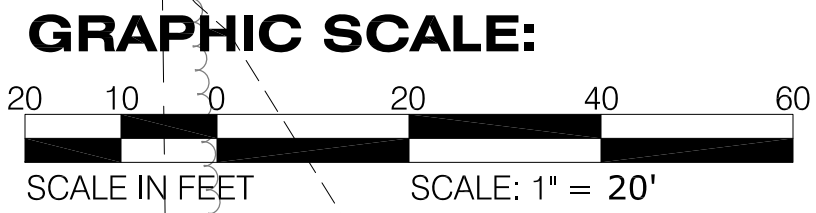
CUT & PATCH:
 9SY ~ CONCRETE DRIVEWAY

INSTALL:
 12OLF ~ 14" HDPE DIRECTIONAL BORE CASING w/12OLF~8" HDPE CARRIER PIPE. BORE SHALL BE AT MINIMUM OF 10 FEET BELOW THE BOTTOM OF THE STREAM.

INSTALL:
 8" PVC WATER MAIN

ABANDON:
 EXISTING 8" ASBESTOS CEMENT WATERLINE SHALL BE ABANDONED IN PLACE.

- NOTES:**
- THE SCOPE OF WORK ALONG DUNAWAY LANE IS TO REPLACE ALL OF THE EXISTING 8" ASBESTOS CEMENT WATERLINE WITH NEW 8" PVC WATERLINE ALONG DUNAWAY LANE. THEREFORE, THE CONTRACTOR WILL BE REQUIRED TO CONFIRM THAT TIE-INS AS SHOWN ON THESE DRAWINGS ARE MADE BEYOND THE END OF THE EXISTING 8" AC WATERLINE. IF ADDITIONAL AC WATERLINE IS DISCOVERED DURING CONSTRUCTION THE OWNER, ECUA, AND THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
 - EXISTING WATERLINE SHALL BE ABANDONED IN PLACE. ONCE NEW WATERLINES ARE INSTALLED, TESTED, DISINFECTED, AND CLEARED BY FDEP. THEN ALL SERVICES SHALL BE TRANSFERRED & CONNECTED TO EXISTING WATERLINES TO REMAIN. THE EXISTING LINES TO BE ABANDONED SHALL BE DRAINED AND CAPPED.
 - ALL EXISTING VALVES LOCATED ON ABANDONED LINES SHALL BE CLOSED. VALVE BOXES AND LIDS SHALL BE REMOVED AND VOID BACKFILLED WITH DIRT.
 - CONTRACTOR SHALL PROVIDE FITTINGS (BENDS) AS MAY BE REQUIRED TO CONSTRUCT THE PROPOSED WATERLINE WHETHER SPECIFICALLY CALLED FOR ON THE PLANS OR NOT. REQUIRED BENDS NOT SPECIFICALLY CALLED FOR ON THE PLANS WILL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION.
 - WHILE NOT SHOWN ON THE PLANS FOR CLARITY, JOINT RESTRAINTS SHALL BE PROVIDED AS REQUIRED AND IN ACCORDANCE WITH THE SPECIFICATIONS AND TYPICAL DETAILS.
 - THE CONTRACTOR IS CAUTIONED THAT MANY OF THE EXISTING WATERLINES LOCATED WITHIN THE PROJECT AREA ARE ASBESTOS CEMENT. REMOVAL AND DISPOSAL OF ANY EXISTING ASBESTOS CEMENT WATERLINE SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.
 - ALL EXISTING DRIVEWAYS ARE SHOWN TO BE CUT AND PATCHED, OR BORED. HOWEVER, AT THE CONTRACTORS OPTION EXISTING DRIVEWAYS CAN BE PUSHED, AS LONG AS THE PUSHING OPERATION DOES NOT DAMAGE THE NEW PIPE OR THE DRIVEWAY AND NO VOIDS AROUND THE PIPE ARE CREATED. IF DRIVEWAYS ARE SUCCESSFULLY PUSHED THEY WILL BE PAID AT THE PLAN CALL QUANTITY AND PRICE FOR CUT AND PATCH AS SHOWN.
 - THE CONTRACTOR IS CAUTIONED THAT WHILE NOT SHOWN, BURIED TELEPHONE LINES EXIST WITHIN THE PROJECT AREA AND THE PROPOSED WATERLINE MAY NEED TO BE ADJUSTED HORIZONTALLY OR VERTICALLY DURING CONSTRUCTION TO AVOID CONFLICTS.
 - CONTRACTOR SHALL FIELD VERIFY EXISTING GRAVITY SEWER ELEVATIONS PRIOR TO INSTALLING THE PROPOSED WATERLINE CROSSING (BOTH SERVICES AND MAIN). CONTRACTOR SHALL ADJUST PROPOSED WATERLINE DEPTH TO AVOID SANITARY SEWER LINES AND NOTE ADJUSTMENTS ON RECORD DRAWINGS.
 - CONTRACTOR SHALL NOTE THAT EROSION CONTROL MEASURES ARE SHOWN IN CRITICAL LOCATIONS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ANY AND ALL EROSION CONTROL MEASURES NECESSARY FOR CONTROLLING SEDIMENTATION AND ADHERING TO LOCAL, STATE, AND FEDERAL REQUIREMENTS WHETHER THEY ARE SHOWN OR NOT.
 - ALL WATER SERVICE CONNECTIONS TO MAIN SHALL BE MADE IN GRASSED AREAS OUTSIDE OF PAVEMENT (DRIVEWAY OR ROADWAY).
 - THE STORM DRAINAGE ON THIS SHEET AS SHADED REPRESENTS PROPOSED IMPROVEMENTS WHICH MAY OR MAY NOT BE INSTALLED WHEN THE CONTRACTOR BEGINS WORK ON THE WATERLINE REPLACEMENT.
 - ALL EXISTING WATER SERVICES WITHIN THE PROJECT AREA SHALL BE RENEWED, WHETHER EXISTING WATERLINE IS TO BE REPLACED OR NOT.
 - ALL EXISTING TIE-INS SHALL BE COORDINATED WITH ECUA. CONTRACTOR IS CAUTIONED THAT SOME OR ALL OF THE TIE-INS MAY NEED TO BE MADE AT NIGHT.



INSTALL:
 8" PVC WATER MAIN

ABANDON:
 EXISTING 8" ASBESTOS CEMENT WATERLINE SHALL BE ABANDONED IN PLACE.

CUT & PATCH:
 7SY ~ CONCRETE DRIVEWAY

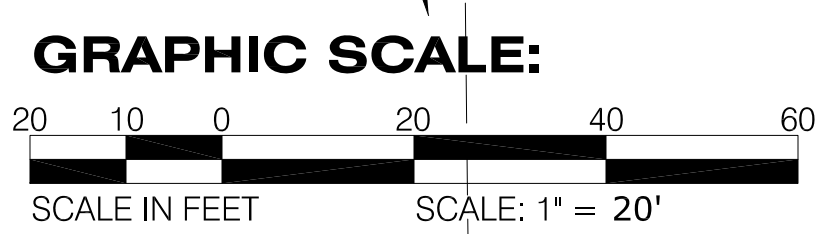
CONTRACTOR SHALL TAKE CARE TO PROTECT TREE

INSTALL:
 (1) 8" x 6" FH ASSEMBLY
 (1) 8" GATE VALVE & BOX

INSTALL:
 SHORT WATER SERVICE RENEWAL (TYPICAL)

CUT & PATCH:
 6SY ~ GRAVEL DRIVEWAY

CUT & PATCH:
 7SY ~ CONCRETE DRIVEWAY



SIGMA CONSULTING GROUP, INC.
 3298 SUMMIT BOULEVARD, SUITE 32
 PENSACOLA, FLORIDA 32503
 PHONE: (850) 332-7912
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BOARD OF COUNTY COMMISSIONERS
 ESCAMBIA COUNTY, FLORIDA
 ENGINEERING DEPARTMENT

PINE VALLEY ESTATES
 ROADWAY & DRAINAGE IMPROVEMENTS
 DUNAWAY LANE WATERLINE RELOCATION PLANS

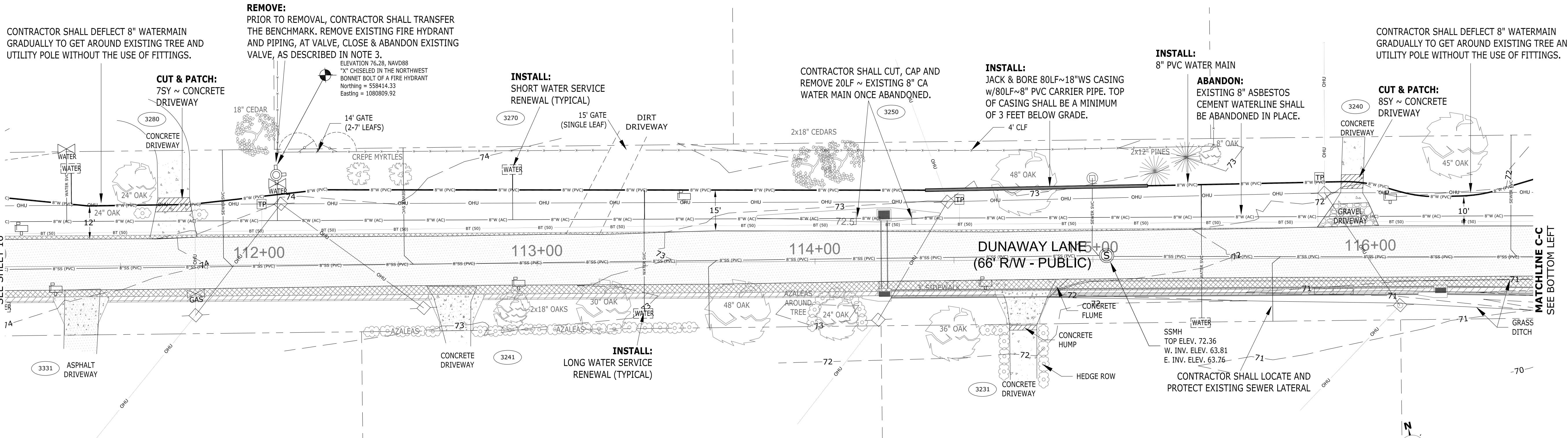
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Project Number: 210001
 Date: APRIL 2021
 Drawn By: EMD
 Designed By: DEL
 Checked By: WVP,II
 Sheet: 16

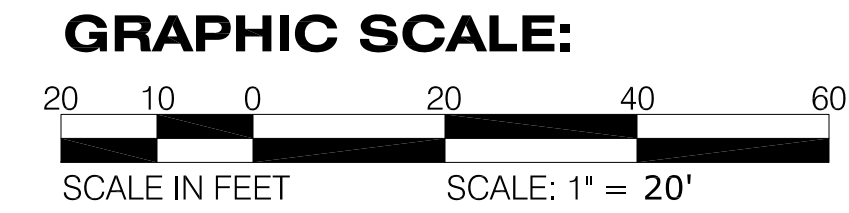
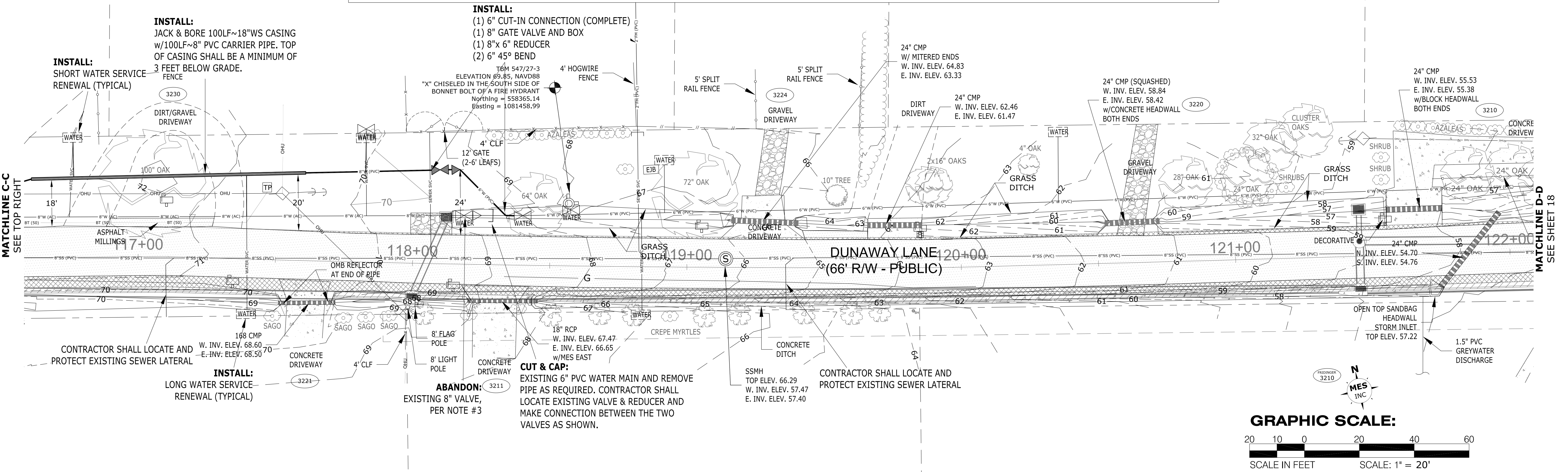
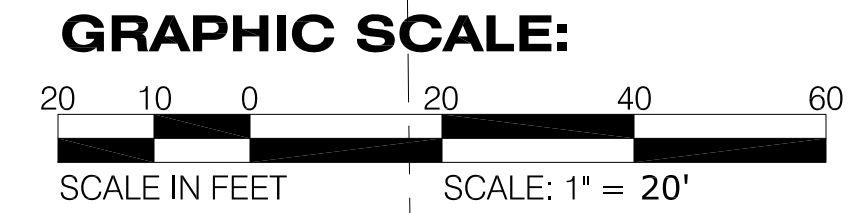
MUNICIPAL ENGINEERING SERVICES INC.
 EXCELLENCE IN ENGINEERING SERVICE
 8974 Turkey Bluff Road
 N. Arcadia, FL 32130
 (850) 838-3292
 CERTIFICATE OF AUTHORIZATION: CA-30886

DALE ERIC LONG
 FL PE #65393

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- NOTES:**
- THE SCOPE OF WORK ALONG DUNAWAY LANE IS TO REPLACE ALL OF THE EXISTING 8" ASBESTOS CEMENT WATERLINE WITH NEW 8" PVC WATERLINE ALONG DUNAWAY LANE. THEREFORE, THE CONTRACTOR WILL BE REQUIRED TO CONFIRM THAT TIE-INS AS SHOWN ON THESE DRAWINGS ARE MADE BEYOND THE END OF THE EXISTING 8" AC WATERLINE. IF ADDITIONAL AC WATERLINE IS DISCOVERED DURING CONSTRUCTION THE OWNER, ECUA, AND THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
 - EXISTING WATERLINE SHALL BE ABANDONED IN PLACE. ONCE NEW WATERLINES ARE INSTALLED, TESTED, DISINFECTED, AND CLEARED BY FDEP, THEN ALL SERVICES SHALL BE TRANSFERRED & CONNECTED TO EXISTING WATERLINES TO REMAIN. THE EXISTING LINES TO BE ABANDONED SHALL BE DRAINED AND CAPPED.
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 3298 SUMMIT BOULEVARD, SUITE 32
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 CERTIFICATE OF AUTHORIZATION #26899

BOARD OF COUNTY COMMISSIONERS
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 ENGINEERING DEPARTMENT

**PINE VALLEY ESTATES
 ROADWAY & DRAINAGE
 IMPROVEMENTS**
 DUNAWAY LANE WATERLINE RELOCATION PLANS

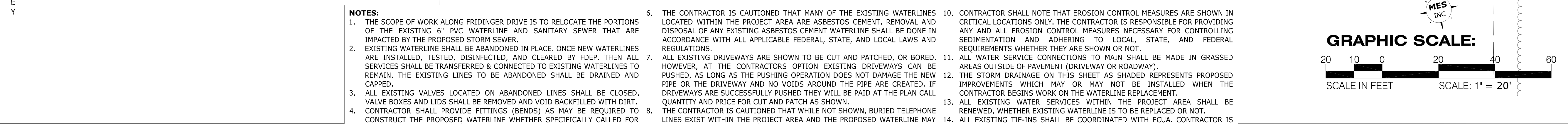
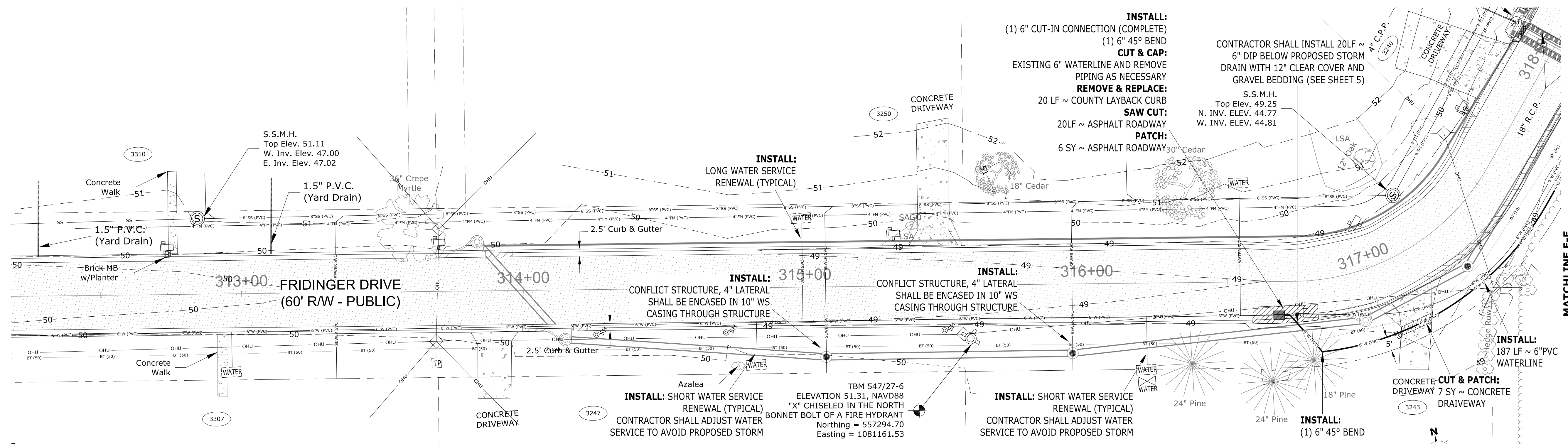
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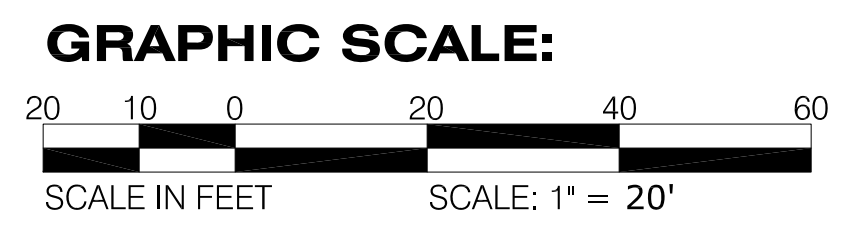
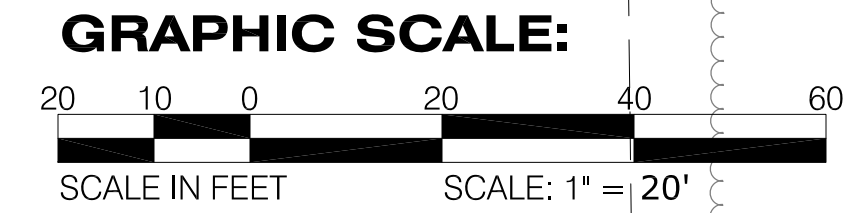
EXCELLENCE IN ENGINEERING SERVICE
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 8974 Turkey Bluff Road
 Navarre, Florida 32566
 Phone: (904) 658-8833
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DALE ERIC LONG
 FL PE #65393

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- NOTES:**
- THE SCOPE OF WORK ALONG FRIDINGER DRIVE IS TO RELOCATE THE PORTIONS OF THE EXISTING 6" PVC WATERLINE AND SANITARY SEWER THAT ARE IMPACTED BY THE PROPOSED STORM SEWER.
 - EXISTING WATERLINE SHALL BE ABANDONED IN PLACE. ONCE NEW WATERLINES ARE INSTALLED, TESTED, DISINFECTED, AND CLEARED BY FDEP, THEN ALL SERVICES SHALL BE TRANSFERRED & CONNECTED TO EXISTING WATERLINES TO REMAIN. THE EXISTING LINES TO BE ABANDONED SHALL BE DRAINED AND CAPPED.
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 - CONTRACTOR SHALL FIELD VERIFY EXISTING GRAVITY SEWER ELEVATIONS PRIOR TO INSTALLING THE PROPOSED WATERLINE CROSSING (BOTH SERVICES AND MAIN). CONTRACTOR SHALL ADJUST PROPOSED WATERLINE DEPTH TO AVOID SANITARY SEWER LINES AND NOTE ADJUSTMENTS ON RECORD DRAWINGS.
 - CONTRACTOR SHALL NOTE THAT EROSION CONTROL MEASURES ARE SHOWN IN CRITICAL LOCATIONS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ANY AND ALL EROSION CONTROL MEASURES NECESSARY FOR CONTROLLING SEDIMENTATION AND ADHERING TO LOCAL, STATE, AND FEDERAL REQUIREMENTS WHETHER THEY ARE SHOWN OR NOT.
 - ALL WATER SERVICE CONNECTIONS TO MAIN SHALL BE MADE IN GRASSED AREAS OUTSIDE OF PAVEMENT (DRIVEWAY OR ROADWAY).
 - THE STORM DRAINAGE ON THIS SHEET AS SHADED REPRESENTS PROPOSED IMPROVEMENTS WHICH MAY OR MAY NOT BE INSTALLED WHEN THE CONTRACTOR BEGINS WORK ON THE WATERLINE REPLACEMENT.
 - ALL EXISTING WATER SERVICES WITHIN THE PROJECT AREA SHALL BE RENEWED, WHETHER EXISTING WATERLINE IS TO BE REPLACED OR NOT.
 - ALL EXISTING TIE-INS SHALL BE COORDINATED WITH ECUA. CONTRACTOR IS CAUTIONED THAT SOME OR ALL OF THE TIE-INS MAY NEED TO BE MADE AT NIGHT.



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SIGMA CONSULTING GROUP, INC.
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 PENSACOLA, FLORIDA 32503
 PHONE: (850) 332-7912
 CERTIFICATE OF AUTHORIZATION #26889

BOARD OF COUNTY COMMISSIONERS
 ESCAMBIA COUNTY, FLORIDA
 ENGINEERING DEPARTMENT

**PINE VALLEY ESTATES
 ROADWAY & DRAINAGE
 IMPROVEMENTS**
 FRIDINGER DR. WATERLINE RELOCATION PLANS

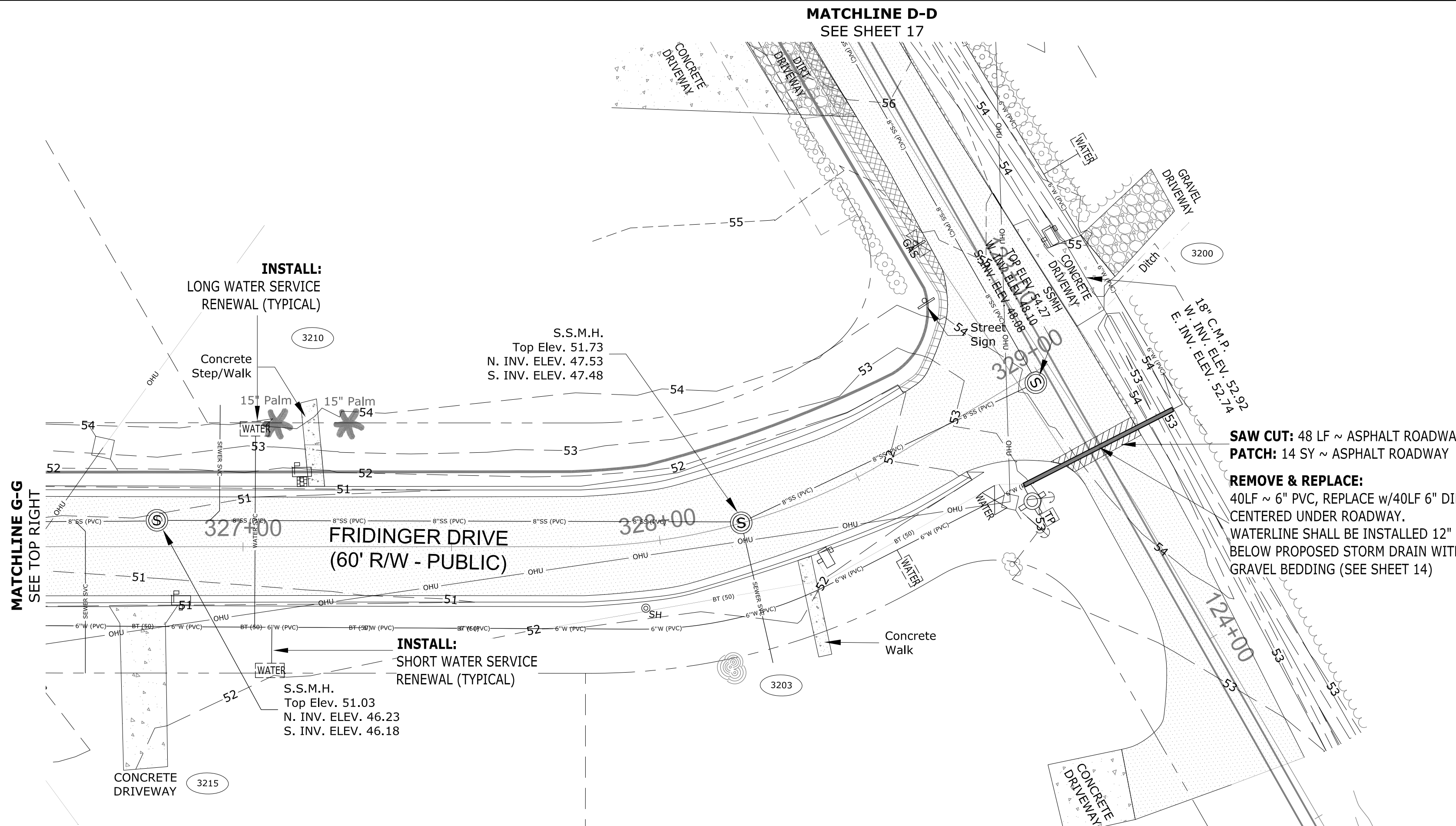
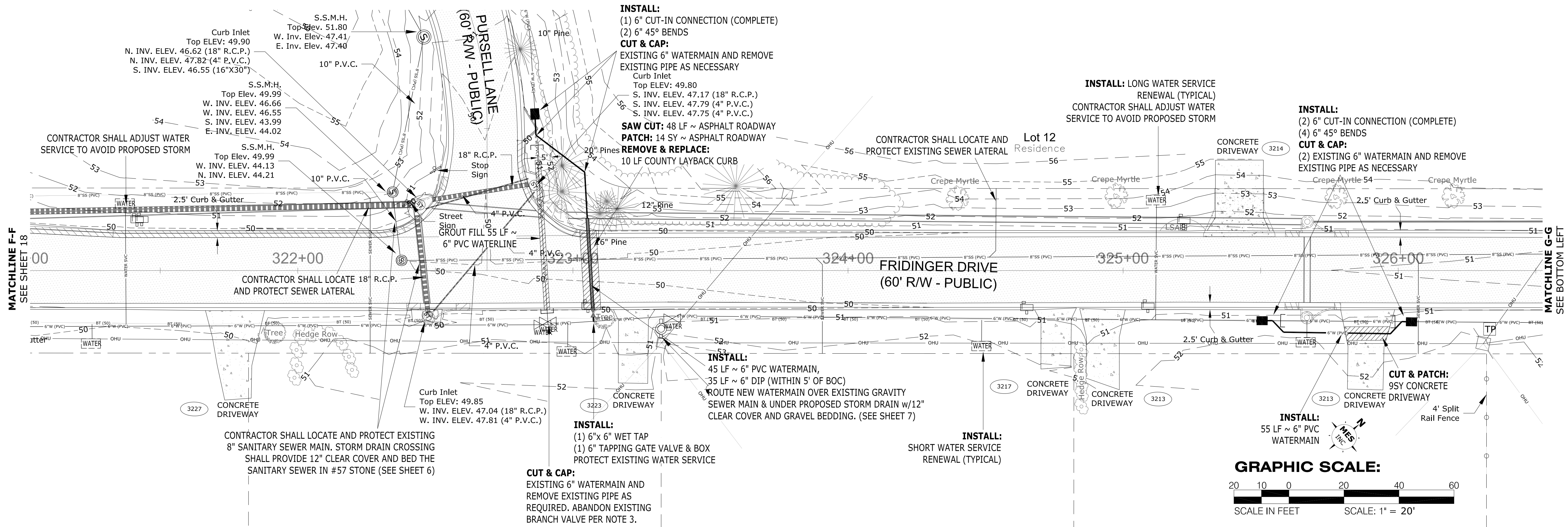
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Project Number: 210001
 Date: APRIL 2021
 Drawn By: EMD
 Designed By: DEL
 Checked By: WVP,II
 Sheet: 18

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MUNICIPAL ENGINEERING SERVICES INC.

DALE ERIC LONG
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- NOTES:**
1. THE SCOPE OF WORK ALONG FRIDINGER DRIVE IS TO RELOCATE THE PORTIONS OF THE EXISTING 6" PVC WATERLINE AND SANITARY SEWER THAT ARE IMPACTED BY THE PROPOSED STORM SEWER.
 2. EXISTING WATERLINE SHALL BE ABANDONED IN PLACE. ONCE NEW WATERLINES ARE INSTALLED, TESTED, DISINFECTED, AND CLEARED BY FDEP, THEN ALL SERVICES SHALL BE TRANSFERRED & CONNECTED TO EXISTING WATERLINES TO REMAIN. THE EXISTING LINES TO BE ABANDONED SHALL BE DRAINED AND CAPPED.
 3. ALL EXISTING VALVES LOCATED ON ABANDONED LINES SHALL BE CLOSED. VALVE BOXES AND LIDS SHALL BE REMOVED AND VOID BACKFILLED WITH DIRT.
 4. CONTRACTOR SHALL PROVIDE FITTINGS (BENDS) AS MAY BE REQUIRED TO CONSTRUCT THE PROPOSED WATERLINE WHETHER SPECIFICALLY CALLED FOR ON THE PLANS OR NOT. REQUIRED BENDS NOT SPECIFICALLY CALLED FOR ON THE PLANS WILL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION.
 5. WHILE NOT SHOWN ON THE PLANS FOR CLARITY, JOINT RESTRAINTS SHALL BE PROVIDED AS REQUIRED AND IN ACCORDANCE WITH THE SPECIFICATIONS AND TYPICAL DETAILS.
 6. THE CONTRACTOR IS CAUTIONED THAT MANY OF THE EXISTING WATERLINES LOCATED WITHIN THE PROJECT AREA ARE ASBESTOS CEMENT. REMOVAL AND DISPOSAL OF ANY EXISTING ASBESTOS CEMENT WATERLINE SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.
 7. ALL EXISTING DRIVEWAYS ARE SHOWN TO BE CUT AND PATCHED, OR BORED. HOWEVER, AT THE CONTRACTORS OPTION EXISTING DRIVEWAYS CAN BE PUSHED, AS LONG AS THE PUSHING OPERATION DOES NOT DAMAGE THE NEW PIPE OR THE DRIVEWAY AND NO VOIDS AROUND THE PIPE ARE CREATED. IF DRIVEWAYS ARE SUCCESSFULLY PUSHED THEY WILL BE PAID AT THE PLAN CALL QUANTITY AND PRICE FOR CUT AND PATCH AS SHOWN.
 8. THE CONTRACTOR IS CAUTIONED THAT WHILE NOT SHOWN, BURIED TELEPHONE LINES EXIST WITHIN THE PROJECT AREA AND THE PROPOSED WATERLINE MAY NEED TO BE ADJUSTED HORIZONTALLY OR VERTICALLY DURING CONSTRUCTION TO AVOID CONFLICTS.
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