

NOTE: THIS PROJECT SHALL BE CONSTRUCTED CONCURRENTLY WITH THE BRECKENRIDGE ON PARK NORTH DRAINAGE IMPROVEMENT PROJECT.

BRECKENRIDGE ON PARK SOUTH DRAINAGE IMPROVEMENTS

PLANS PREPARED FOR:

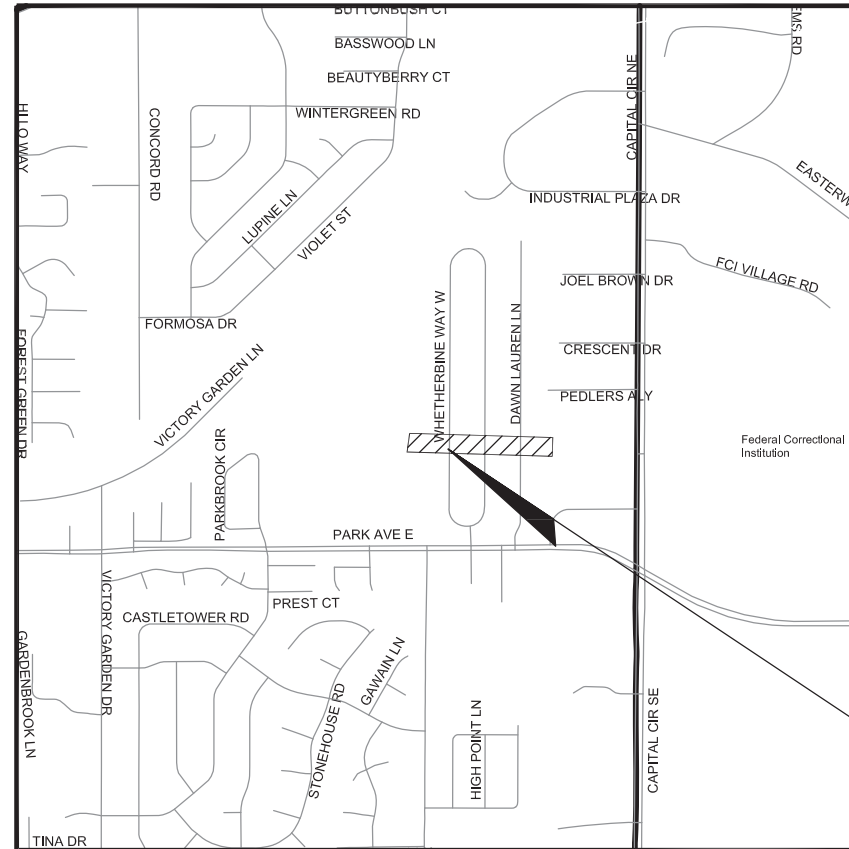


UNDERGROUND UTILITIES DEPARTMENT
 WATER RESOURCES ENGINEERING
 STORMWATER MANAGEMENT
 C.O.T. WORK ORDER NO. 1718367

THIS PLAN SET IS FOR INFORMATIONAL PURPOSES ONLY.
NOT FOR CONSTRUCTION.

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LOCATION MAP
 1" = 800'

NORTH AMERICAN VERTICAL DATUM OF 1988

PLANS PREPARED BY:

EUTAW, INC

2822 REMINGTON GREEN CIRCLE, SUITE 202
 TALLAHASSEE, FLORIDA 32308
 (850) 383-0400
 WWW.EUTAWINC.COM

ENGINEER OF RECORD:

LANE P. LUCAS, P.E.
 FLORIDA PE #53936

APPROVED FOR CONSTRUCTION

STORMWATER MANAGEMENT DIVISION

DATE: _____

SET NO.: _____

GOVERNING STANDARDS AND SPECIFICATIONS:

FLORIDA DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS DATED 2017-2018 AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2018, AS AMENDED BY CONTRACT DOCUMENTS.

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN ALTERED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

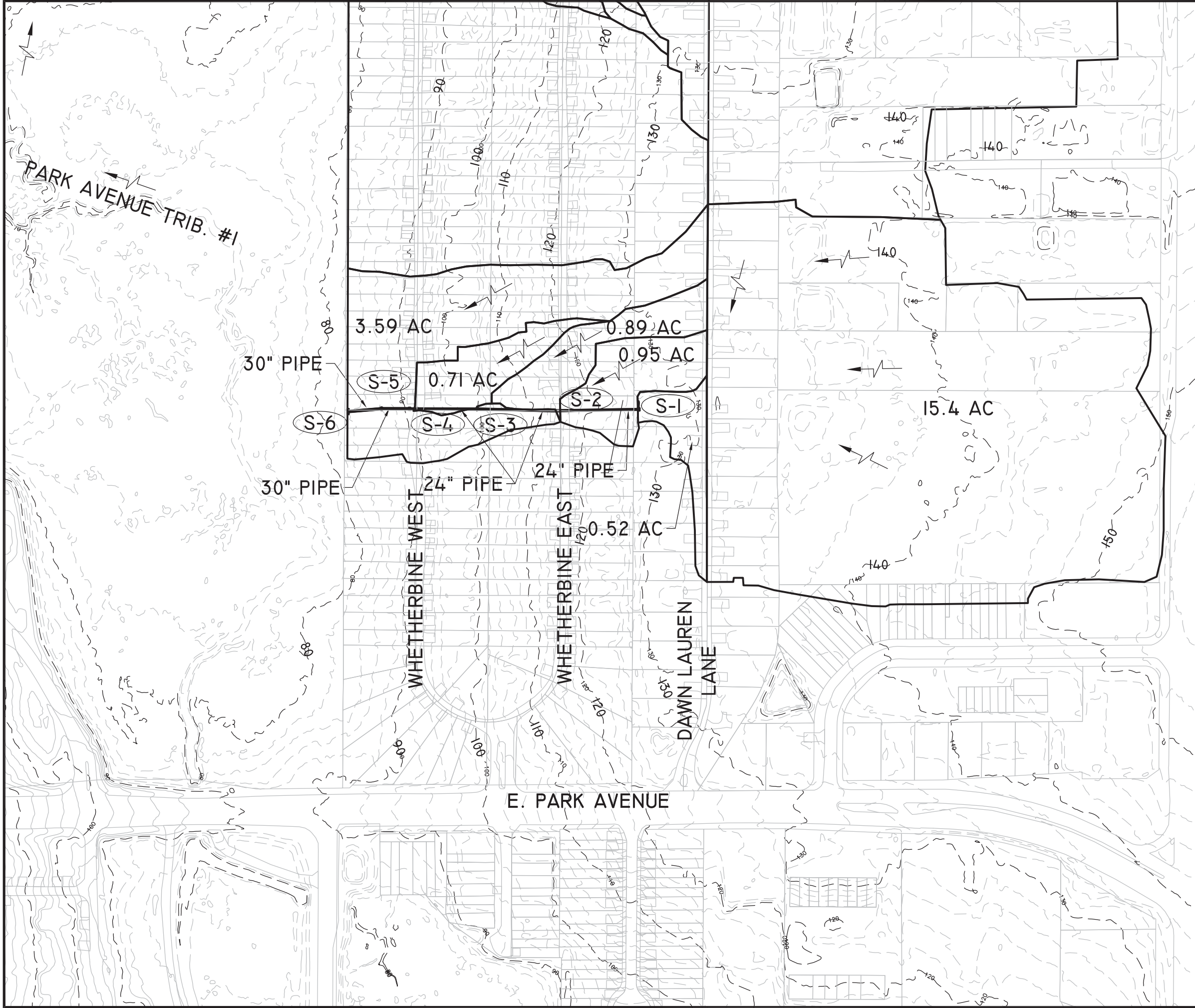
REVISIONS			
NO.	DESCRIPTION	BY	DATE

CERTIFICATE OF AUTHORIZATION #9961

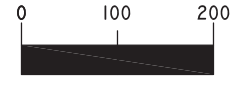
User: Lane P. Lucas, P.E. S:\Projects\COT Stormwater\Breckenridge\DWG\FINAL\2009\KEY SHEET.dwg 07/10/2019 04:16:15 PM

BRECKENRIDGE ON PARK SOUTH DRAINAGE IMPROVEMENTS

U:\Projects\DOT Stormwater\Breckenridge.dwg\FINAL\2009\DRAINAGE MAP - PROPOSED.dwg 07/11/2019 06:13:45 PM



CAPITAL CIRCLE NE



ENGINEER OF RECORD
 LANE P. LUCAS P.E.
 Etlaw, Inc.
 2822 Remington Green Circle
 Tallahassee, FL 32308
 P.E. NO. 53596

ORIGINAL _____

REVISIONS:

1	_____
2	_____
3	_____
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5	_____

SHEET

DRAINAGE MAP

PROJECT

**BRECKENRIDGE ON PARK
 DRAINAGE IMPROVEMENTS**

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 PHONE: (850) 383-0400
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 Certificate of Authorization #9961

JOB NO. _____

DRAWN _____

DESIGNED _____

CHECKED _____

QC _____

GENERAL NOTES:

1. THE CONTRACTOR SHALL HAVE ALL REQUIRED PERMITS IN-HAND PRIOR TO BEGINNING CONSTRUCTION, AND SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE PERMITS OBTAINED BY THE CITY AND THOSE PERMITS OBTAINED BY THE CONTRACTOR.
2. AT LEAST THREE CALENDAR DAYS PRIOR TO THE PRECONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL A TENTATIVE BASE CONSTRUCTION SCHEDULE, A PRECONSTRUCTION SURVEY, A TRAFFIC CONTROL PLAN, AND A SEDIMENT AND EROSION CONTROL PLAN. NO WORK SHALL BEGIN PRIOR TO APPROVAL OF THE CONSTRUCTION SCHEDULE, PRECONSTRUCTION SURVEY, TRAFFIC CONTROL PLAN, AND SEDIMENT AND EROSION CONTROL PLAN.
3. THE CONSTRUCTION SCHEDULE SHALL DESCRIBE IN DETAIL HOW THE CONSTRUCTION IS TO BE PHASED, ESTABLISH START AND FINISH DATES FOR ALL SIGNIFICANT CONSTRUCTION ACTIVITIES, AND IDENTIFY ALL CONTROLLING ITEMS OF WORK. THE SCHEDULE IS TO BE APPROVED BY THE ENGINEER, AND SHALL BE UPDATED ON A MONTHLY BASIS TO REFLECT ACTUAL WORK PROGRESS. THE UPDATED SCHEDULE SHALL BE SUBMITTED TO THE ENGINEER NO LATER THAN THREE DAYS PRIOR TO EACH SCHEDULED MONTHLY PROGRESS MEETING. PAYMENT FOR PREPARING, UPDATING AND SUBMITTING THE SCHEDULE SHALL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION.
4. THE PRECONSTRUCTION SURVEY SHALL VERIFY THE CONTROL POINTS AND BENCH MARK ELEVATIONS PROVIDED BY THE ENGINEER AND SHALL ALSO ESTABLISH THE LOCATION AND DESCRIPTION OF ALL ADDITIONAL REFERENCE POINTS AND THE LOCATIONS, DESCRIPTIONS, AND ELEVATIONS OF ALL ADDITIONAL BENCHMARKS TO BE USED IN CONSTRUCTING THE PROJECT. THE SURVEY SHALL BE SIGNED AND SEALED BY A PROFESSIONAL SURVEYOR AND MAPPER REGISTERED IN THE STATE OF FLORIDA. SIGNIFICANT INCONSISTENCIES BETWEEN THE FIELD NOTES AND THE CONTROL POINTS AND BENCH MARK ELEVATIONS PROVIDED BY THE ENGINEER SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION PRIOR TO ISSUANCE OF THE NOTICE TO PROCEED. PAYMENT SHALL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION.
5. THE GEOTECHNICAL INFORMATION SHOWN ON THE DRAWINGS WAS OBTAINED FOR USE IN ESTABLISHING DESIGN CRITERIA FOR THE PROJECT. THIS INFORMATION MAY NOT ACCURATELY REFLECT ACTUAL SOIL CONDITIONS AS TO THE DEPTH, EXTENT OR CHARACTER OF THE MATERIAL TO BE ENCOUNTERED IN CONSTRUCTION OF THE PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE SUCH EXAMINATION OF THE SITE OF THE WORK AS MAY BE NECESSARY TO DETERMINE THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED.
6. THE CONTRACTOR IS RESPONSIBLE FOR PRESERVING ALL PROPERTY CORNERS AND MONUMENTS SHOWN ON THE DRAWINGS OR FOUND DURING CONSTRUCTION. IF A PROPERTY CORNER OR MONUMENT IS DESTROYED OR DISTURBED, THE CONTRACTOR WILL HAVE IT REPLACED AND CERTIFIED BY A PROFESSIONAL SURVEYOR AND MAPPER REGISTERED IN THE STATE OF FLORIDA. ALL COSTS FOR PRESERVING, REPLACING AND CERTIFYING PROPERTY CORNERS AND MONUMENTS WILL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION.
7. ANY NATIONAL GEODETIC SURVEY MONUMENT WITHIN THE LIMITS OF CONSTRUCTION MUST BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND:

FDEP, BUREAU OF SURVEY AND MAPPING, MS 100
3900 COMMONWEALTH BLVD.
TALLAHASSEE, FLORIDA 32399
850-245-2555 (OFFICE)
850-245-2572 (FAX)
8. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS BASED ON INFORMATION PROVIDED BY THE UTILITY OWNERS, AVAILABLE RECORDS, AND SURVEYED FIELD INFORMATION. THE INFORMATION MAY NOT REFLECT ACTUAL CONDITIONS, INCLUDE ALL UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED, OR SHOW THE UTILITIES IN THE CORRECT HORIZONTAL OR VERTICAL LOCATIONS. THE CONTRACTOR SHALL MAKE HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UTILITIES AS NECESSARY TO ESTABLISH THEIR LOCATIONS AND AVOID DAMAGE. THE FOLLOWING UTILITIES SHOULD BE CONTACTED FOR INFORMATION CONCERNING TYPE AND LOCATION OF THEIR FACILITIES. THE LIST MAY NOT INCLUDE ALL UTILITIES IN THE AREA.

- SUNSHINE STATE ONE-CALL OF FLORIDA
811 OR 800-432-4770 (5 DAYS NOTIFICATION PRIOR TO CONSTRUCTION)
- | | |
|--|--------------|
| CITY OF TALLAHASSEE/ELECTRICAL UTILITY | 850-891-5091 |
| CITY OF TALLAHASSEE/GAS UTILITY | 850-891-5100 |
| CITY OF TALLAHASSEE/WATER UTILITY | 850-891-6107 |
| CITY OF TALLAHASSEE/SEWER UTILITY | 850-891-6107 |
| COMCAST (CABLE TELEVISION) | 850-574-4060 |
| CENTURYLINK (TELEPHONE) | 850-599-1502 |
| AT&T (COMMUNICATIONS) | 850-242-9087 |
| SOUTHERN LIGHT (COMMUNICATIONS) | 251-662-1170 |
9. PRIOR TO ANY SCHEDULED INTERRUPTION OF UTILITY SERVICE, THE CONTRACTOR SHALL COORDINATE SUCH INTERRUPTION WITH THE UTILITY PROVIDER AND SHALL PROVIDE A MINIMUM 24-HOUR NOTICE TO THE AFFECTED PARTIES. IN THE CASE OF A WATER MAIN SHUT DOWN, A MINIMUM 24-HOUR NOTICE ALSO SHALL BE PROVIDED TO THE TALLAHASSEE FIRE DEPARTMENT. THE CONTRACTOR SHALL NOTIFY THE ELECTRIC UTILITY A MINIMUM OF TWO WEEKS PRIOR TO CONSTRUCTION IN THE VICINITY OF THEIR FACILITIES.
 10. THE CONTRACTOR SHALL NOTIFY THE GAS UTILITY (850-891-5100) A MINIMUM OF TWO WORKING DAYS PRIOR TO ANY EXCAVATION IN THE VICINITY OF GAS MAINS, AS REQUIRED BY CHAPTER 77-153 OF THE FLORIDA STATUTES. A GAS DEPARTMENT INSPECTOR WILL BE ON SITE WHEN WORK ACTIVITIES TAKE PLACE NEAR GAS MAINS. A MINIMUM OF 72 HOURS NOTICE SHALL BE PROVIDED FOR ANY REQUEST FOR GAS MAIN EXPOSURE OR ADJUSTMENT.
 11. ALL UTILITIES IN CONFLICT WITH CONSTRUCTION ARE TO BE ADJUSTED OR RELOCATED BY OTHERS UNLESS NOTED OTHERWISE ON THE DRAWINGS OR DIRECTED BY THE ENGINEER.
 12. WHERE THE REQUIRED MINIMUM SEPARATION BETWEEN UTILITIES IS SPECIFIED, THE DISTANCE SHALL BE MEASURED FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
 13. LIMITS OF CONSTRUCTION ARE DEFINED IN THE PLANS AND CONSIST OF ROADWAY RIGHTS-OF-WAY, CITY OF TALLAHASSEE PROPERTIES, DRAINAGE RIGHTS-OF-WAY, PERMANENT DRAINAGE AND/OR UTILITY EASEMENTS, AND TEMPORARY CONSTRUCTION EASEMENTS.
 14. NO TRENCHES WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT.
 15. ALL EXISTING DRAINAGE STRUCTURES AND PIPES, PAVEMENT, SIDEWALKS, CURBS, ETC., WITHIN THE LIMITS OF CONSTRUCTION ARE TO REMAIN UNLESS OTHERWISE NOTED ON THE DRAWINGS OR DIRECTED BY THE ENGINEER. ALL DRAINAGE STRUCTURES, PIPES, PAVEMENT, SIDEWALKS, CURBS, ETC., THAT ARE TO REMAIN THAT ARE DAMAGED DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR AND IF DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED WITH THE SAME TYPE AND MATERIAL AT NO COST TO THE CITY.
 16. ALL STORM MANHOLES OR STRUCTURES DESIGNATED TO BE ABANDONED IN PLACE SHALL BE REMOVED TO A MINIMUM OF THREE FEET BELOW GRADE AND FILLED WITH COMPACTED SAND.
 17. EXISTING CONCRETE AND ASPHALTIC CONCRETE DRIVEWAYS AND SIDEWALKS SHALL BE SAW-CUT AS REQUIRED FOR CONSTRUCTION.
 18. ALL SIDEWALKS AND CURB RAMPS REMOVED DURING CONSTRUCTION SHALL BE RECONSTRUCTED TO MEET CURRENT ADA STANDARDS.
 19. THE CONTRACTOR SHALL PUT FORTH EVERY REASONABLE EFFORT TO MINIMIZE DISRUPTION AND DISTURBANCE OF ADJACENT PROPERTIES. ACCESS BY PROPERTY OWNERS AND RESIDENTS TO THEIR PROPERTY SHALL BE MAINTAINED AT ALL TIMES, AND ANY BARRICADING OF ACCESS MUST BE COORDINATED WITH THE AFFECTED PROPERTY OWNERS AND RESIDENTS.
 20. ALL FENCES IN CONFLICT WITH CONSTRUCTION SHALL BE REMOVED AND REPLACED IN THEIR ORIGINAL LOCATIONS OR IN OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. THE CONTRACTOR MAY, AT HIS OPTION, USE NEW FENCING MATERIAL OF THE SAME TYPE THAT WAS REMOVED OR REUSE THE FENCING MATERIAL THAT WAS REMOVED IF IT IS UNDAMAGED BY CONSTRUCTION ACTIVITIES. ALL FENCES DAMAGED BY CONSTRUCTION ACTIVITIES ARE TO BE REPLACED WITH NEW FENCING MATERIAL OF THE SAME TYPE THAT WAS REMOVED.
 21. THE CONTRACTOR SHALL EXERCISE DUE CARE IN THE REMOVAL OF EXISTING FENCES TO MAINTAIN SECURITY AT THE AFFECTED PROPERTIES AND TO ENSURE THE SAFETY OF PETS, ANIMALS AND CHILDREN. IF IN THE OPINION OF THE ENGINEER, REMOVAL OF A FENCE WILL RESULT IN AN UNACCEPTABLE REDUCTION IN SECURITY OR SAFETY, THE CONTRACTOR SHALL INSTALL A TEMPORARY FENCE AS DIRECTED BY THE ENGINEER

- PRIOR TO REMOVAL OF THE EXISTING FENCE. THE TEMPORARY FENCE SHALL REMAIN IN PLACE UNTIL THE PERMANENT FENCE IS INSTALLED.
22. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND LANDSCAPING ON ADJACENT PROPERTIES, AND WILL BE SOLELY LIABLE FOR DAMAGE TO VEGETATION ON PROPERTIES ADJACENT TO CONSTRUCTION WORK ZONES. ALL TREES WITHIN THE LIMITS OF CONSTRUCTION THAT ARE NOT IDENTIFIED ON THE PLANS TO BE REMOVED SHALL BE PROTECTED TO THE MAXIMUM EXTENT PRACTICABLE. TREE PROTECTION BARRICADES SHALL BE INSTALLED AND MAINTAINED AROUND ALL TREES THAT ARE TO BE PROTECTED AS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER.
 23. THE CONTRACTOR SHALL NOT DISTURB GRASSING OR LANDSCAPING OUTSIDE CONSTRUCTION WORK ZONES. THE CONTRACTOR SHALL BE SOLELY LIABLE FOR DAMAGE TO VEGETATION OUTSIDE CONSTRUCTION WORK ZONES AND SHALL RESTORE AT NO COST TO THE CITY ANY AREAS THAT ARE DAMAGED INCLUDING AREAS WITHIN THE LIMITS OF CONSTRUCTION OR ON ADJACENT PROPERTIES USING, TO THE EXTENT PRACTICABLE, THE SAME TYPES AND SIZES OF PLANT MATERIAL THAT EXISTED PRIOR TO CONSTRUCTION.
 24. THE LOCATION AND CONSTRUCTION OF MAILBOXES SHALL BE IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE UNITED STATES POSTAL SERVICE. WHEN A MAILBOX IN CONFLICT WITH CONSTRUCTION IS REMOVED, THE CONTRACTOR SHALL FURNISH AND INSTALL A TEMPORARY MAILBOX AND SHALL MAINTAIN THE TEMPORARY MAILBOX UNTIL A NEW MAILBOX IS INSTALLED. THE CONTRACTOR SHALL CONSTRUCT A NEW MAILBOX TO MATCH, AS CLOSE AS PRACTICABLE, THE LOCATION, TYPE, SIZE, MATERIAL, AND COLOR OF THE ORIGINAL MAILBOX. IN LIEU OF CONSTRUCTING A NEW MAILBOX, THE EXISTING MAILBOX MAY BE REUSED IF IT MEETS THE RULES AND REGULATIONS OF THE UNITED STATES POSTAL SERVICE AND IS FUNCTIONALLY SOUND.
 25. DISTURBED AREAS SHALL BE COMPACTED (AT A MINIMUM) EQUAL TO ADJACENT UNDISTURBED GROUND EXCEPT WHEN OTHERWISE SPECIFIED.
 26. PROPERTIES ADJACENT TO WORK ZONES SHALL BE GRADED TO DRAIN WITHIN THE LIMITS OF CONSTRUCTION.
 27. ALL DISTURBED AREAS WITHIN CONSTRUCTION WORK ZONES ARE TO BE GRASSED EXCEPT FOR AREAS THAT ARE LANDSCAPED, PAVED, OR BELOW NORMAL WATER LEVEL. EXISTING GRASSED AREAS SHALL BE REPLANTED WITH SOD OF THE SAME GRASS TYPE AS EXISTING, UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER. CENTIPEDE SOD WILL BE USED FOR DISTURBED AREAS NOT CURRENTLY GRASSED. REINFORCEMENT MAT SHALL BE INSTALLED BENEATH SOD PLACED ON SLOPES OF 2H:1V OR STEEPER, AND THE SOD SHALL BE STAPLED. COSTS FOR REINFORCEMENT MAT, STAPLING, FERTILIZING, AND WATERING SHALL BE INCLUDED IN THE UNIT PRICE OF THE PAY ITEM FOR PERFORMANCE TURF.
 28. PRIOR TO REQUESTING A FINAL INSPECTION, THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ENGINEER FOUR COMPLETE SETS OF CERTIFIED AS-BUILT RECORD DRAWINGS AND TWO COPIES OF THE DIGITAL FILES ON CD-ROM DISKS.

SUPPLEMENTAL GENERAL NOTES:

1. CITY OF TALLAHASSEE SURVEYING PROVIDED THE TOPOGRAPHY, BENCHMARKS, RIGHTS-OF-WAY AND UTILITY LOCATION INFORMATION SHOWN ON THE CONSTRUCTION DRAWINGS. ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL VALVE BOXES ON GAS AND WATER MAINS WITHIN THE LIMITS OF CONSTRUCTION THAT ARE TO REMAIN IN SERVICE. PRIOR TO COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL ADJUST ALL VALVE BOXES WITHIN CONSTRUCTION AREAS SO THE TOPS ARE FLUSH WITH FINISHED PAVEMENT OR WITH FINISHED GRADE IN UNPAVED AREAS.
3. ALL PUMPS USED FOR DEWATERING AND BYPASS PUMPING WILL BE SCREENED FROM RESIDENTIAL VIEW AND ENCLOSED TO REDUCE NOISE DURING OPERATION. AT NO TIME SHALL PUMPS BE PLACED WITHIN A RESIDENTIAL YARD OR 50 FEET OF A HOME WITHOUT APPROVAL FROM THE CITY. PAYMENT FOR SCREENING AND ENCLOSURE SHALL BE INCLUDED IN THE COST FOR CLEARING AND GRUBBING.

SUPPLEMENTAL GENERAL NOTES - STORMWATER CONSTRUCTION:

1. ALL NEW OR REPLACEMENT STORM DRAINS OR CULVERTS SHALL BE CLASS III STEEL REINFORCED CONCRETE PIPE IN ACCORDANCE WITH STANDARD SPECIFICATION 449-4 OR FDOT APPROVED POLYPROPYLENE PIPE UNLESS NOTED OTHERWISE ON THE DRAWINGS. WHEN THE PLANS DESIGNATE A TYPE OF PIPE, THE CONTRACTOR MAY USE ONLY THE TYPE DESIGNATED. THE CONTRACTOR SHALL NOT USE A TYPE OF PIPE NOT

- DESIGNATED ON THE DRAWINGS WITHOUT WRITTEN APPROVAL FROM THE ENGINEER. ALL PIPES SHALL BE CUT FLUSH WITH INSIDE OF DRAINAGE STRUCTURE.
2. ALL REINFORCED CONCRETE PIPE SHALL BE INSTALLED USING SELECT BEDDING MATERIAL TO PROVIDE A FOUR-INCH MINIMUM DEPTH FOUNDATION BENEATH THE BARREL OF THE PIPE AND FOR BACKFILL UP TO THE SPRINGLINE (CENTER) OF THE PIPE. BACKFILL AROUND POLYPROPYLENE PIPE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
 3. ALL JOINTS OF CONCRETE PIPES, CULVERTS, AND STORM SEWERS SHALL HAVE A FILTER FABRIC JACKET AS DETAILED ON STANDARD INDEX NO. 280, UNLESS NOTED OTHERWISE ON THE DRAWINGS OR DIRECTED BY THE ENGINEER.
 4. ALL PIPE CULVERTS AND STORM SEWERS 48-INCHES OR LESS IN DIAMETER SHALL BE VIDEO TAPED IN ACCORDANCE WITH SECTION 430-4.8 OF THE STANDARD SPECIFICATIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
 5. ALL CURB INLETS, DITCH BOTTOM INLETS, AND MANHOLES SHALL HAVE TRAFFIC BEARING FRAMES AND COVERS OR GRATES MEETING HS-20 LOADING REQUIREMENTS UNLESS OTHERWISE SHOWN ON THE PLANS.
 6. ALL STORM DRAIN COVERS SHALL BE TYPE USF TJ (U.S. FOUNDRY NO. 8017195), NPR15-728 (EJ GROUP COVER NO. 3062A2), OR APPROVED EQUAL.
 7. ALL TYPE J STRUCTURE BOTTOMS SHALL HAVE A MINIMUM 6'-0" WALL HEIGHT WHEN POSSIBLE.
 8. ALL GRATES SHALL BE CHAINED AND LOCKED IN ACCORDANCE WITH STANDARD INDEX NO. 201. COST OF EYEBOLTS AND CHAIN SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STRUCTURES.
 9. UTILITIES IN CONFLICT WITH THE INSTALLATION OF A NEW STORM DRAIN ARE TO BE ADJUSTED OR RELOCATED TO ELIMINATE THE CONFLICT. IF THE CONFLICT CANNOT BE REASONABLY AVOIDED, A CONFLICT STRUCTURE WITH ACCESS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD INDEX NO. 307 WITH THE EXCEPTION THAT FOR UTILITY CONFLICT CONDITION II (PRESSURE OR FLUID CARRIER INSTALLATIONS), A CARRIER PIPE IS NOT REQUIRED IF DUCTILE IRON PIPE IS USED FOR THE UTILITY AND NO PIPE JOINTS ARE LOCATED WITHIN THE CONFLICT STRUCTURE. "NOTCHING" OF A STORM DRAIN PIPE OR STRUCTURE TO ACCOMMODATE A UTILITY SHALL NOT BE ALLOWED. NO UTILITY SHALL BE INSTALLED THROUGH ANY PORTION OF A STORM DRAIN PIPE WITHOUT A CONFLICT STRUCTURE.
 10. THE CONTRACTOR SHALL EXERCISE CAUTION WHILE REMOVING EXISTING LANDSCAPING, FENCES, DECORATIVE WALLS, AND OTHER OWNER-INSTALLED IMPROVEMENTS WITHIN THE LIMITS OF CONSTRUCTION. THE CONTRACTOR SHALL STOCKPILE THE REMOVED MATERIALS IN A NEAT AND ORDERLY MANNER AT A LOCATION AGREEABLE TO THE PROPERTY OWNER.

User: L:\S:\Projects\DOT Stormwater\Breckenridge.dwg\FINAL\2009\General Notes.dwg 07/10/2019 03:11:46 PM

<p>ENGINEER OF RECORD LANE P. LUCAS P.E. Eutaw, Inc. 2822 Remington Green Circle Tallahassee, FL 32308 P.E. NO. 63936</p>	<p>DATE</p>	<p>ORIGINAL REVISIONS:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1</td><td></td></tr> <tr><td>2</td><td></td></tr> <tr><td>3</td><td></td></tr> <tr><td>4</td><td></td></tr> <tr><td>5</td><td></td></tr> </table>	1		2		3		4		5		<p>SIGNATURE</p>
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<p>GENERAL NOTES</p>													
 <p>Engineering Utilities, Transportation, and Water 2822 Remington Green Cir., Suite 202 Tallahassee, Florida 32308 PHONE: (850) 383-0400 www.eutawinc.com</p>													
<p>Certificate of Authorization #9961</p>													
<p>JOB NO. _____ DRAWN _____ DESIGNED _____ CHECKED _____ QC _____</p>													
<p>3</p>													

GENERAL PAY ITEM NOTES:

- NO SEPARATE PAYMENT WILL BE MADE FOR DEWATERING. THE COSTS FOR DEWATERING SHALL BE INCLUDED IN THE UNIT PRICES FOR ANY ITEMS REQUIRING DEWATERING.
- NO SEPARATE PAYMENT WILL BE MADE FOR FILTER FABRIC. THE COSTS FOR FILTER FABRIC SHALL BE INCLUDED IN THE UNIT PRICES FOR ANY ITEMS REQUIRING FILTER FABRIC.
- NO SEPARATE PAYMENT WILL BE MADE FOR VIDEO TAPING PIPE CULVERTS. THE COSTS FOR VIDEO TAPING ARE INCLUDED IN THE UNIT PRICES FOR PIPE CULVERT.
- ADDITIONAL QUANTITIES OF EROSION CONTROL AND/OR TREE PROTECTION ITEMS MAY BE NECESSARY AS DETERMINED DURING CONSTRUCTION BY THE CONTRACTOR, THE ENVIRONMENTAL INSPECTOR, OR BY THE ENGINEER AND MUST BE APPROVED BY THE ENGINEER.
- UNIT PRICES FOR PIPES, CULVERTS, SEWER PIPE AND WATER MAIN INCLUDE THE COSTS FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVAL OF 1.5 INCH MINIMUM THICKNESS OF ASPHALT PAVEMENT MILLINGS OR FINE TYPE SP ASPHALTIC CONCRETE AT THE GROUND SURFACE OF ALL PIPE AND BOX CULVERT TRENCHES IN PAVED AREAS FOR THE PURPOSE OF SEDIMENT AND EROSION CONTROL UNTIL THE FINAL PAVEMENT IS PLACED.

STORMWATER PAY ITEM NOTES:

101-1: MOBILIZATION
 THE UNIT PRICE ALSO INCLUDES ALL COSTS FOR PREPARATION OF AN APPROVED CONSTRUCTION PROGRESS SCHEDULE, AN APPROVED EROSION CONTROL PLAN, AN APPROVED TRAFFIC CONTROL PLAN, AN APPROVED DEWATERING PLAN, THE PRECONSTRUCTION SURVEY, PREPARING AND SUBMITTING APPROVED SHOP DRAWINGS, AND FURNISHING, INSTALLING, AND REMOVING THE PROJECT SIGNS. THE UNIT PRICE ALSO INCLUDES THE COST OF ARBORIST MITIGATION AS DETAILED IN THE PLANS (SEE TREE PROTECTION AND EROSION CONTROL SHEETS)

102-1: MAINTENANCE OF TRAFFIC
 THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL LABOR AND MATERIALS REQUIRED TO IMPLEMENT THE APPROVED TRAFFIC CONTROL PLAN TO SAFELY MAINTAIN TRAFFIC AROUND OR THROUGH THE WORK ZONE NOT INCLUDED FOR PAYMENT UNDER OTHER RELATED PAY ITEMS, INCLUDING WARNING AND REGULATORY SIGNS, MESSAGE BOARDS, DRUMS, BARRICADES, CHANNELIZING DEVICES, TEMPORARY CONCRETE BARRIER, WARNING LIGHTS, FLAGGERS, BUSINESS ENTRANCE SIGNS, MAINTENANCE OF EXISTING DRIVEWAYS, TEMPORARY PAVEMENT, AND REMOVAL AND REINSTALLATION OF EXISTING SIGNS IN CONFLICT WITH CONSTRUCTION AS DIRECTED BY THE ENGINEER. NO ADJUSTMENTS WILL BE MADE TO THE CONTRACT PRICE FOR INCREASES IN CONTRACT TIME. THE UNIT PRICE ALSO INCLUDES THE COST OF WET WEATHER DRIVING SURFACES FOR THE DURATION OF THE PROJECT AND DUST CONTROL AS NEEDED AT ALL OTHER TIMES.

102-70: TEMPORARY BARRICADE FENCE (ORANGE)
 THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL LABOR AND MATERIALS NECESSARY FOR THE INSTALLATION, MAINTENANCE, AND REMOVAL OF TEMPORARY BARRICADE FENCE. THIS ITEM IS TO BE USED FOR PEDESTRIAN SAFETY, TREE PROTECTION, OR AS DIRECTED BY THE ENGINEER.

104-14: STORMWATER POLLUTION PREVENTION
 THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL LABOR AND MATERIALS NECESSARY FOR THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL DEVICES AS REQUIRED TO PREVENT THE OFF-SITE TRANSPORT OF SEDIMENT, INCLUDING SEDIMENT BARRIERS, SEDIMENT BASINS, AND CONTAINMENT SYSTEMS AS SHOWN ON THE PLANS AND/OR DESCRIBED IN THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL. THE PRICE ALSO INCLUDES THE PERIODIC REMOVAL AND DISPOSAL OF ACCUMULATED SEDIMENT, AND REMOVAL AND DISPOSAL OFF-SITE OF EROSION AND SEDIMENT CONTROL MATERIALS, INCLUDING ROCK AND RUBBLE RIPRAP, AT COMPLETION OF CONSTRUCTION, FURNISHING AND PLACING SUITABLE MATERIAL AS REQUIRED TO FILL SEDIMENT SUMPS, ANY PERMITS AND FEES REQUIRED FOR OFF-SITE DISPOSAL, AND TURBIDITY MONITORING IN COMPLIANCE WITH THE ENVIRONMENTAL PERMITS.

110-1-1: CLEARING AND GRUBBING
 THE UNIT PRICE ALSO INCLUDES REMOVAL AND DISPOSAL OF TREES, ASPHALT, BASE, SUB-BASE, CURBS, SIDEWALKS, DRIVEWAYS, DRAINAGE STRUCTURES, PIPES, FENCES, SANITARY SEWER PIPES & STRUCTURES, AND ALL OTHER STRUCTURES AND OBSTRUCTIONS NECESSARY TO BE REMOVED AND FOR WHICH OTHER ITEMS OF THE CONTRACT DO NOT SPECIFY THE REMOVAL THEREOF. PARTIAL PAYMENTS WILL BE BASED UPON THE ESTIMATED TOTAL VALUE OF WORK COMPLETED TO THE DATE OF THE ESTIMATE AS DETERMINED BY THE ENGINEER. ALL PARTIAL ESTIMATES AND PAYMENTS ARE SUBJECT TO CORRECTION IN SUBSEQUENT ESTIMATES AND PAYMENT. THE UNIT PRICE ALSO INCLUDES ALL COSTS FOR REMOVAL OF EXISTING FENCES AND RELOCATION OR REPLACEMENT WITH NEW FENCE OR WITH THE FENCING MATERIAL THAT WAS REMOVED IF IT IS UNDAMAGED, AND FOR THE RELOCATION OR REPLACEMENT OF MAILBOXES.

110-7-1: MAILBOX:
 UNIT PRICE SHALL INCLUDE ALL COSTS TO MEET THE REQUIREMENTS OF THE GENERAL NOTES ON SHEET 3 (GENERAL NOTE 24) OF THE PLANS.

120-1 AND 120-6: REGULAR EXCAVATION AND EMBANKMENT
 FINAL PAY QUANTITY WILL BE PLAN QUANTITY WITH NO CONSIDERATION FOR SPECIFICATION TOLERANCES. THE UNIT PRICE ALSO INCLUDES ALL COSTS FOR TURBIDITY MONITORING IN COMPLIANCE WITH THE ENVIRONMENTAL PERMITS.

334-1-12: SUPERPAVE ASPHALTIC CONCRETE (2" THICK)
 THE UNIT PRICE SHALL INCLUDE THE ADJUSTMENT OF ALL EXISTING UTILITY FRAMES AND COVERS AND WALL WATER AND GAS VALVES WITHIN THE LIMITS OF CONSTRUCTION.

425-1-521, 425-1-523, 425-1-541 425-1-553: DITCH BOTTOM INLETS
 UNLESS OTHERWISE NOTED IN THE PLANS, THE UNIT PRICES ALSO INCLUDE ALL COSTS FOR FURNISHING AND INSTALLING TRAFFIC BEARING GRATES MEETING HS-20 LOADING REQUIREMENTS. THE UNIT PRICES FOR DITCH BOTTOM INLETS WITH SLOTS ALSO INCLUDE ALL COSTS FOR FURNISHING AND INSTALLING 1 INCH DIAMETER POWDER COATED STEEL BARS CAST INTO THE STRUCTURES AS SHOWN IN THE PLANS. THE UNIT PRICE SHALL ALSO INCLUDE THE COST OF ALL MODIFIED TRAVERSABLE AND MODIFIED NON-TRAVERSABLE SLOTS.

425-2-61, 426-2-71, 425-2-91: MANHOLES AND JUNCTION BOXES
 UNLESS OTHERWISE NOTED IN THE PLANS, THE UNIT PRICES ALSO INCLUDE ALL COSTS FOR FURNISHING AND INSTALLING TWO-PIECE COVERS AND FRAMES WITH 3'-0" OPENINGS WHEN THE DEPTH OF THE STRUCTURE EXCEEDS 6'-0".

430-175-118, -124, -136, -148, -230: PIPE CULVERT, CONCRETE
 THE UNIT PRICES ALSO INCLUDE PAYMENT FOR SHEETING AND/OR SHORING, DEWATERING, FILTER FABRIC, FURNISHING, PLACING AND COMPACTING SELECT BEDDING MATERIAL, AND FURNISHING SELECT MATERIAL FOR BACKFILL WHEN SUITABLE MATERIAL IS NOT AVAILABLE ON SITE. UNIT PRICE ALSO INCLUDES THE COSTS OF REPLACEMENT OF ADJOINING FENCES IMPACTED BY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL COORDINATE WITH CITY ELECTRIC DEPARTMENT, CITY GAS DEPARTMENT, CITY WATER & SEWER DEPARTMENT, COMCAST CABLE, AND CENTURY LINK COMMUNICATIONS IN THE PROTECTION AND/OR RELOCATION OF THEIR FACILITIES. ALL COSTS ASSOCIATED WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE UNIT PRICE.

522-2: CONCRETE DRIVEWAY RECONSTRUCTION
 THE UNIT PRICES CONSTITUTES FULL PAYMENT FOR REMOVAL OF EXISTING CONCRETE, EXCAVATION, GRADING, FURNISHING AND INSTALLING 6" CONCRETE PAVEMENT TO RESTORE CONCRETE DRIVEWAYS AT LOCATIONS SHOWN IN THE PLANS.

570-1-2: PERFORMANCE TURF, SOD, CENTIPEDE AND ST. AUGUSTINE
 THE UNIT PRICES CONSTITUTE FULL COMPENSATION FOR ALL LABOR, MATERIALS, AND INCIDENTALS REQUIRED FOR ESTABLISHING A STAND OF GRASS BY SODDING IN ACCORDANCE WITH SECTION 570 OF THE STANDARD SPECIFICATIONS, INCLUDING FURNISHING AND PLACING SOD, PEGGING WHEN SPECIFIED IN THE PLANS, AND FURNISHING AND APPLYING FERTILIZER AND WATER. THE UNIT PRICES ALSO INCLUDE AND MAINTENANCE, INCLUDING LITTER REMOVAL AND MOWING UNTIL FINAL ACCEPTANCE.

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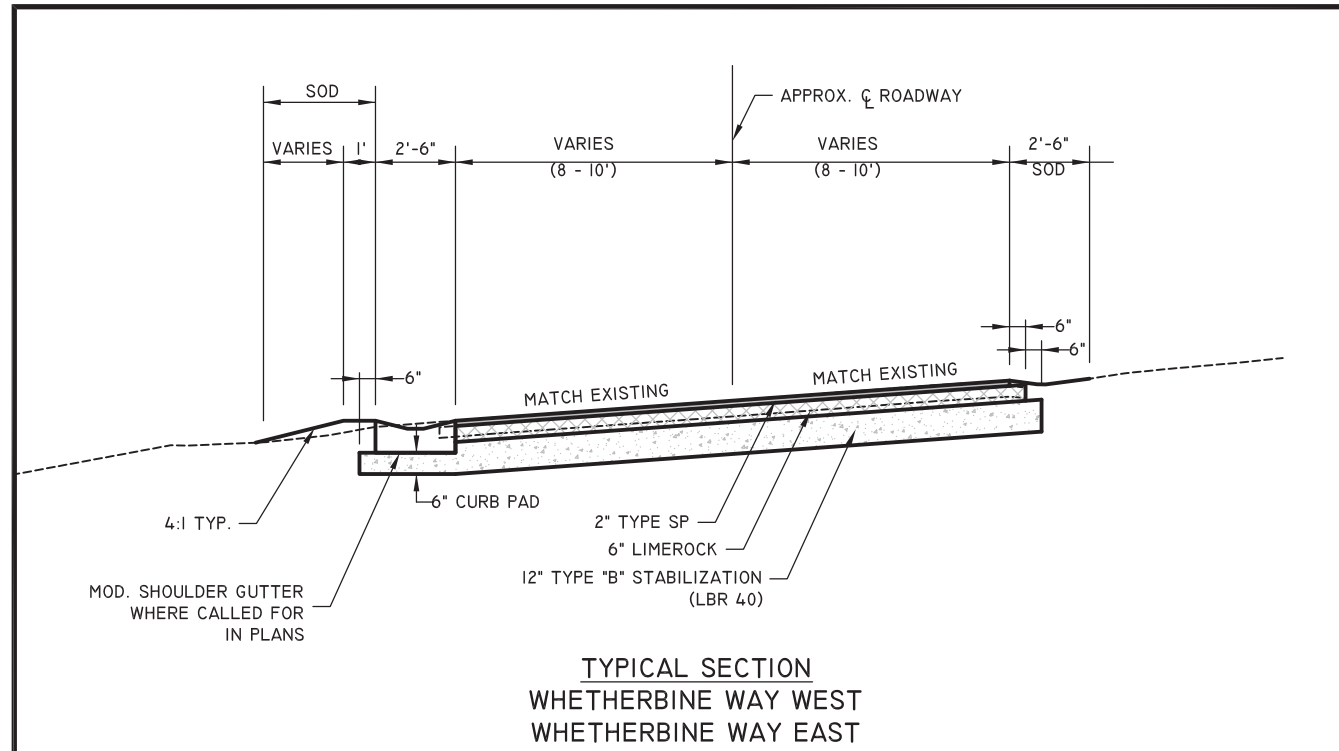
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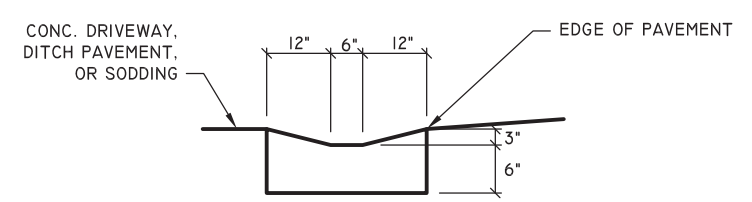
PROJECT
**BRECKENRIDGE ON PARK
 DRAINAGE IMPROVEMENTS**

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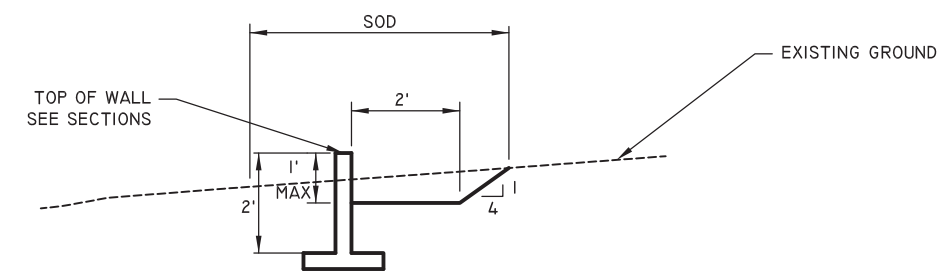
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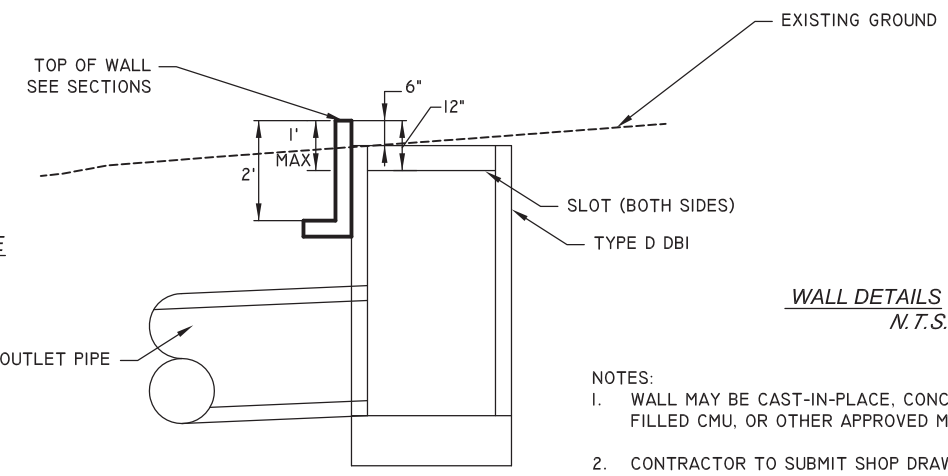
MOD. SHOULDER GUTTER
NTS

1. FOR ADDITIONAL DETAILS, SEE INDEX NO. 300.

TYPICAL

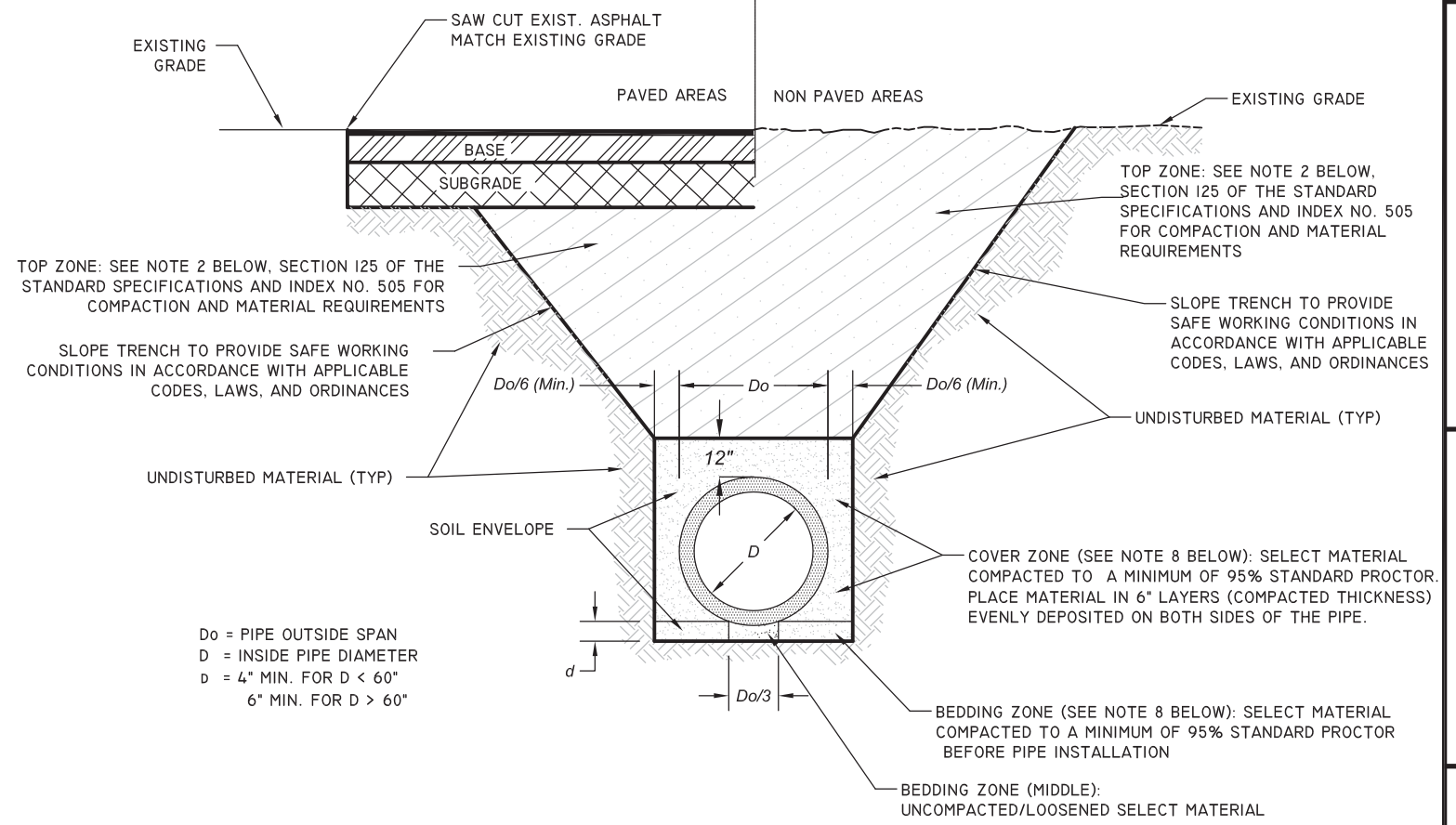


AT STRUCTURE



WALL DETAILS
N.T.S.

- NOTES:
1. WALL MAY BE CAST-IN-PLACE, CONCRETE FILLED CMU, OR OTHER APPROVED MATERIAL.
 2. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR PROPOSED WALL STRUCTURES.



STORM DRAIN PIPE INSTALLATION
N.T.S.

NOTES:

1. THE SOIL ENVELOPE SHALL USE MATERIAL MEETING AASHTO CLASSIFICATION OF A-1 SAND, A-3, OR A-2-4. FOR REINFORCED CONCRETE PIPE WITH DIAMETERS 30-INCHES OR GREATER, THE CONTRACTOR MAY CHOOSE TO REDUCE THE COVER ZONE TO THE SPRINGLINE OF THE PIPE. COST FOR SELECT MATERIAL FOR THE SOIL ENVELOPE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICES ASSOCIATED WITH THIS WORK.
2. THE TOP ZONE SHALL USE MATERIAL AS DEFINED IN INDEX NO. 505. NO A-4 MATERIAL SHALL BE PLACED BELOW THE WATER LEVEL. IF PLACED BELOW THE WATER LEVEL, A-2-4 MATERIAL MUST BE NONPLASTIC AND CONTAIN LESS THAN 15% PASSING THE NO. 200 SEIVE. IN PAVED AREAS HIGH PLASTIC AND/OR MUCK MATERIALS WILL NOT BE ALLOWED AS BACKFILL. IN NON-PAVED AREAS MUCK MATERIAL WILL NOT BE ALLOWED AS BACKFILL, UNLESS SPECIFICALLY SHOWN OTHERWISE IN THE PLANS OR SPECIFICATIONS, (E.G., LITTORAL SHELVES AND WETLAND RESTORATION AREAS).
3. TRENCHES ARE TO BE EXCAVATED IN ACCORDANCE WITH SUBARTICLE 125-4.4 OF THE STANDARD SPECIFICATIONS.
4. IF THE TRENCH IS OVEREXCAVATED, BACKFILL AND RECOMPACT IN ACCORDANCE WITH SECTION 125-9.2.1. MUCK AND ORGANIC MATERIAL SHALL NOT BE ALLOWED AS BACKFILL IN OVEREXCAVATED AREAS.
5. HAND DIG FOR BELL JOINTS. BEARING FROM JOINT TO JOINT WILL NOT BE ALLOWED.
6. PIPES ARE TO BE INSTALLED IN DRY TRENCHES. OPEN TRENCH PUMPING FOR DEWATERING SHALL NOT BE ALLOWED WITHOUT PRIOR APPROVAL OF THE ENGINEER.
7. BACKFILL SHALL BE PLACED IN LIFTS THIN ENOUGH TO ALLOW COMPACTION TO BE ACHIEVED. LIFTS IN EXCESS OF TWELVE INCHES, MEASURED LOOSE, SHALL NOT BE ALLOWED.
8. IF THE PIPE IS BENEATH OR WITHIN 5-FEET OF ANY BUILDING, COMPACT TO 100% STANDARD PROCTOR. IF THE PIPE IS NEAR ANY STRUCTURE, COMPACT TO 100% STANDARD PROCTOR FOR A DISTANCE OF AT LEAST ONE PIPE DIAMETER, BUT NOT LESS THAN THREE FEET FROM THE OUTSIDE FACE OF THE STRUCTURE

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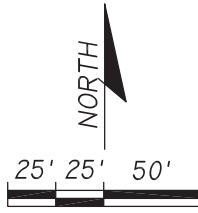
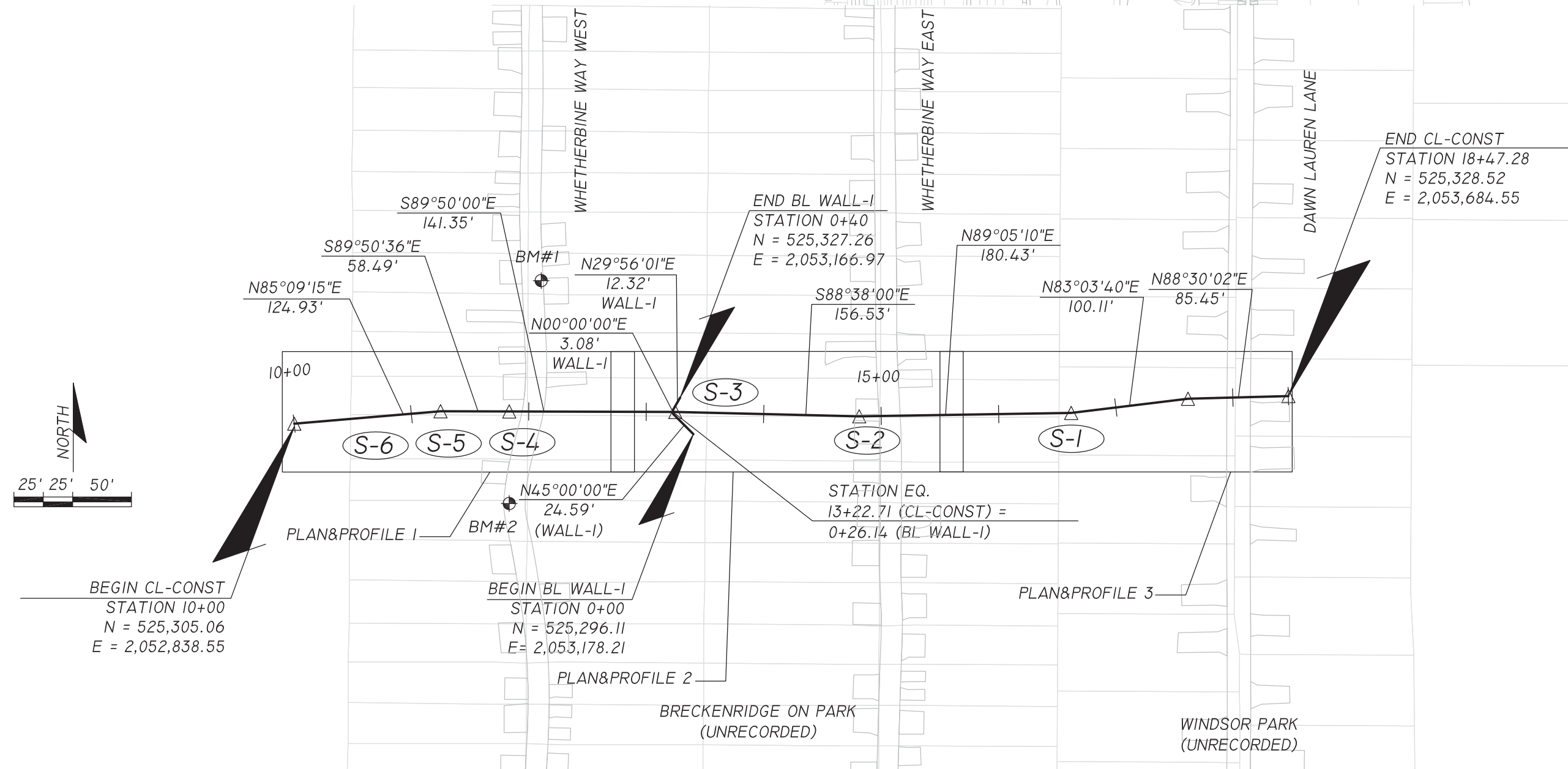
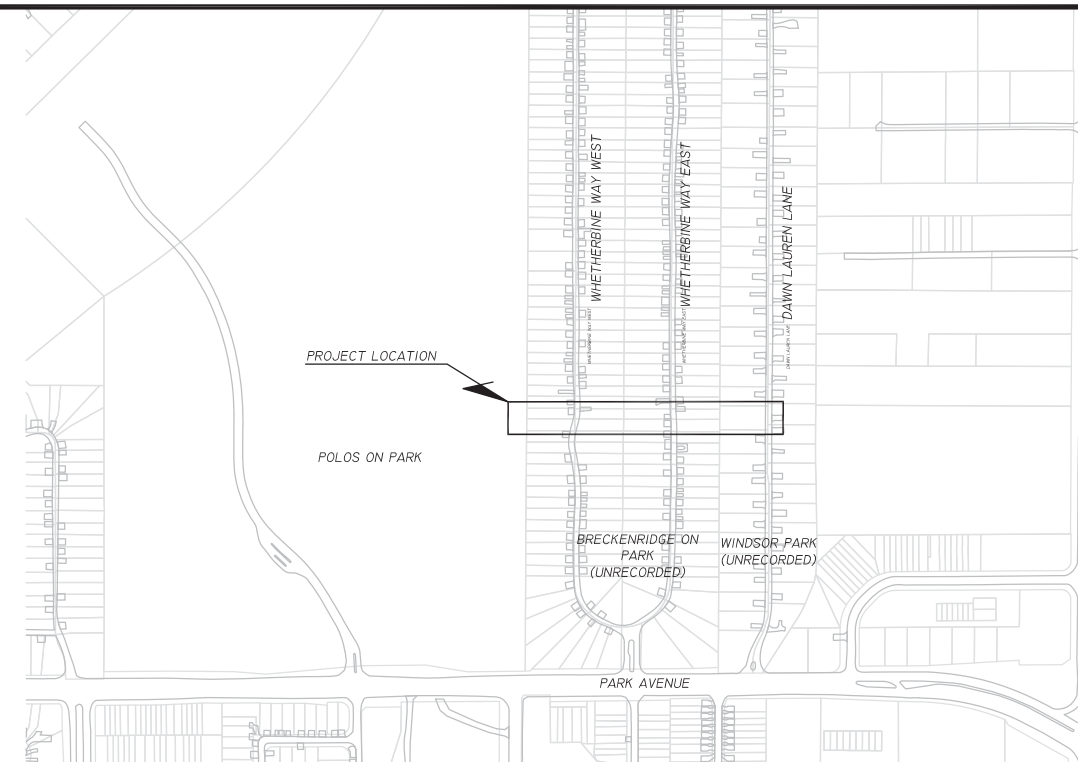
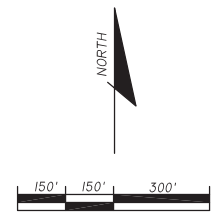
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BENCHMARKS:

#	STATION/OFFSET	DESC	ELEV
1	12+10.27 III.42' LT	PK NAIL & DISC	93.80
2	11+83.63 78.39' RT	COT NAIL & DISC	89.68

PROJECT LAYOUT NOTES:

1. ELEVATIONS ARE BASED ON N.A.V.D. 1988 VERTICAL DATUM (TLC 1 31 INIEI)



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SHEET
PROJECT LAYOUT

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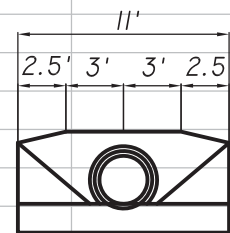
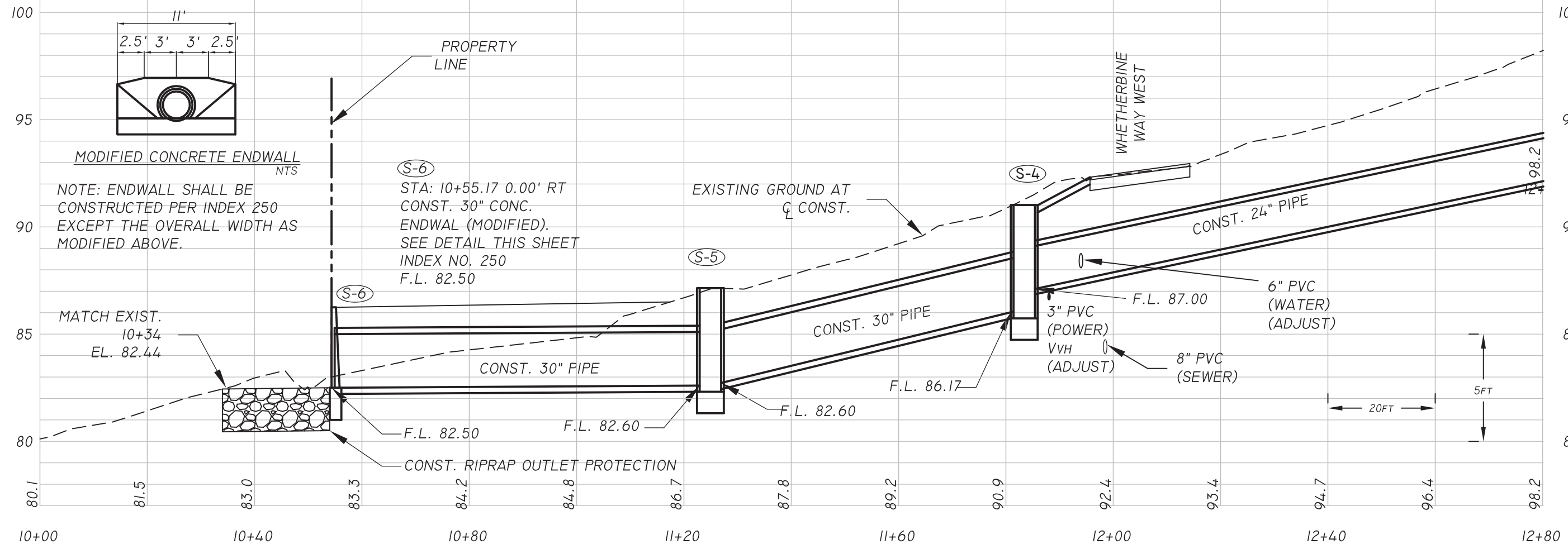
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BEGIN CONSTRUCTION
STA. 10+34.00
MATCH EXISTING
GROUND

10+00 ϕ CONST.

BEGIN CL-CONST.
STA. 10+00.00



MODIFIED CONCRETE ENDWALL
NTS
NOTE: ENDWALL SHALL BE
CONSTRUCTED PER INDEX 250
EXCEPT THE OVERALL WIDTH AS
MODIFIED ABOVE.

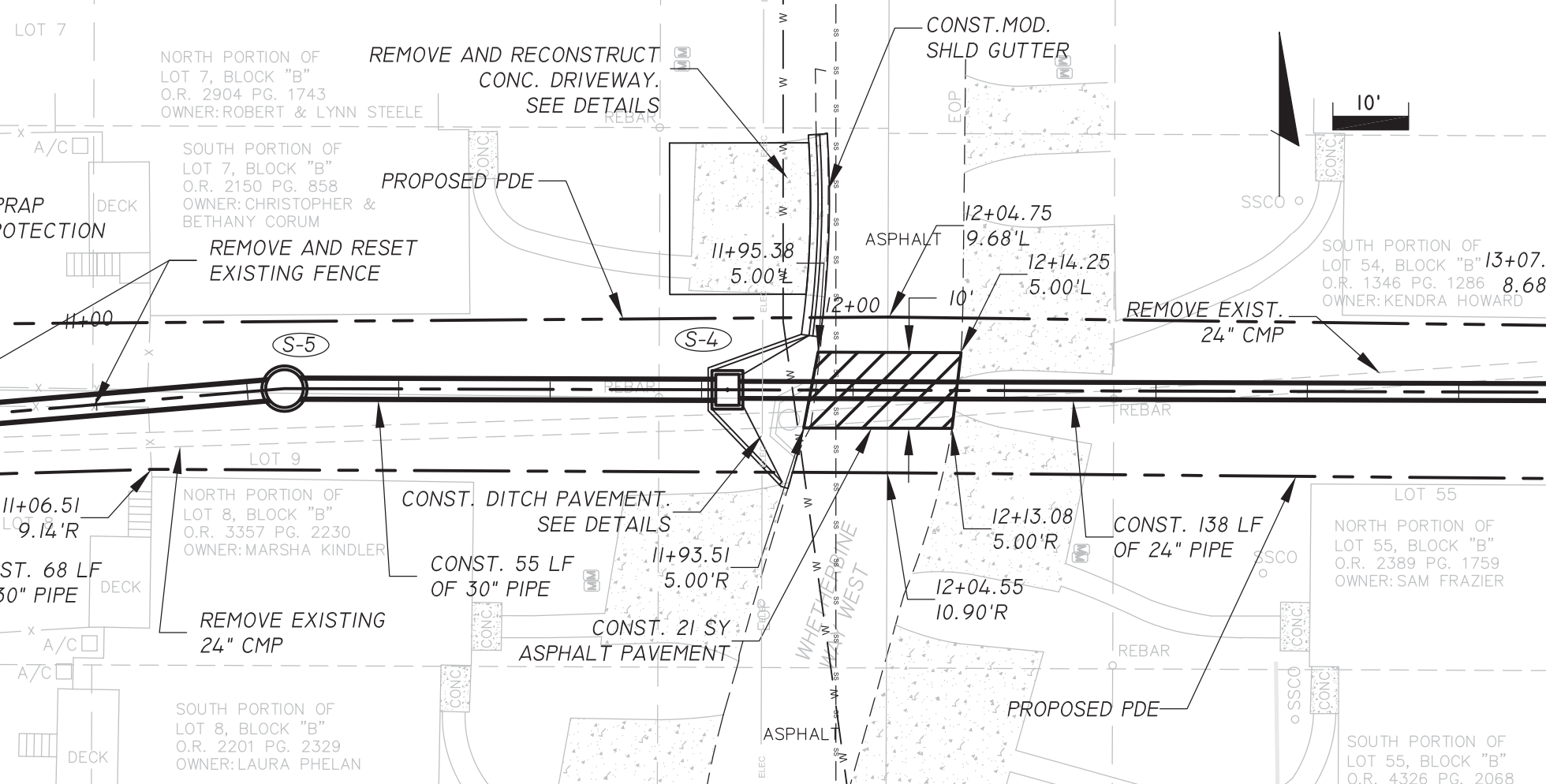
S-6
STA: 10+55.17 0.00' RT
CONST. 30" CONC.
ENDWALL (MODIFIED).
SEE DETAIL THIS SHEET
INDEX NO. 250
F.L. 82.50

S-5
EXISTING GROUND AT
 ϕ CONST.
F.L. 82.60

S-4
F.L. 87.00
CONST. 24" PIPE
6" PVC (WATER) (ADJUST)
3" PVC (POWER) VVH (ADJUST)
8" PVC (SEWER)

CONST. RIPRAP OUTLET PROTECTION

10+00 10+40 10+80 11+20 11+60 12+00 12+40 12+80



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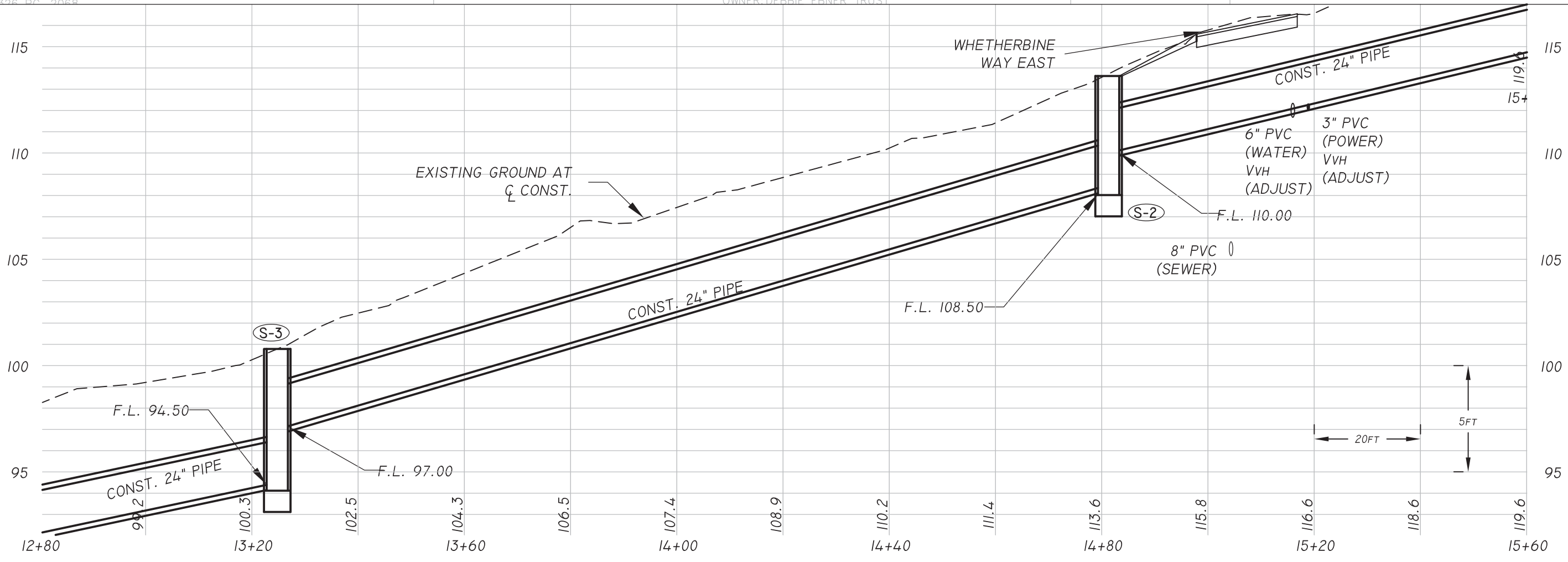
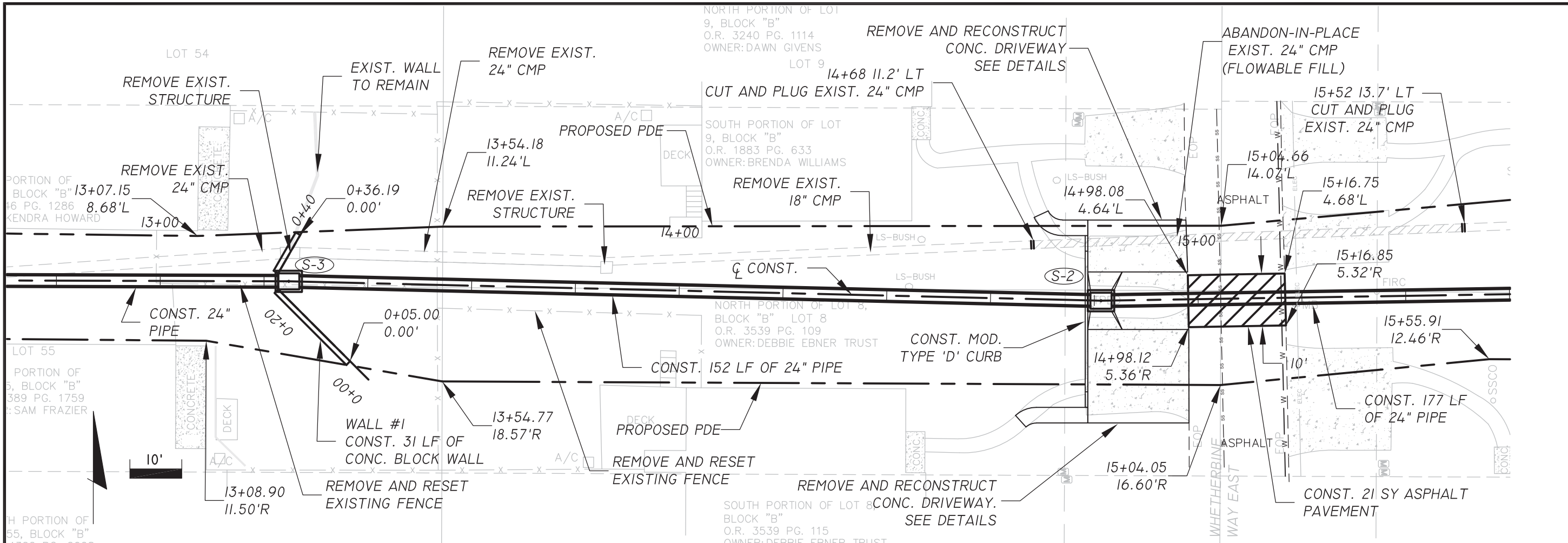
PROJECT

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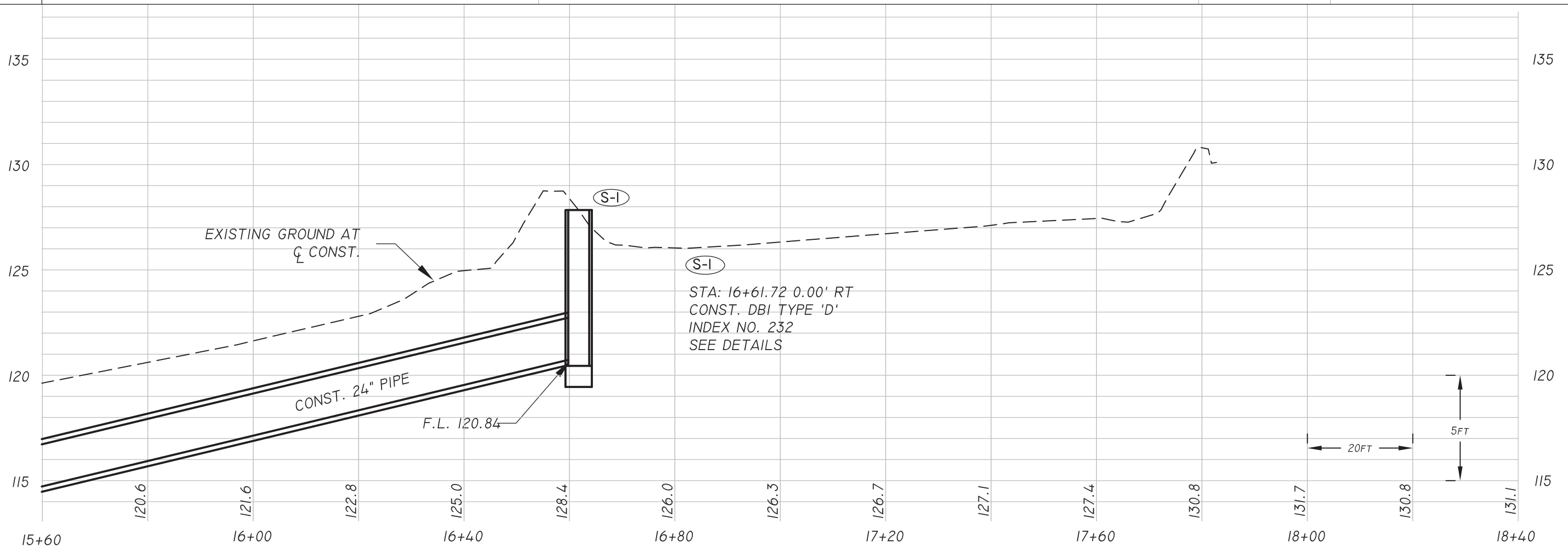
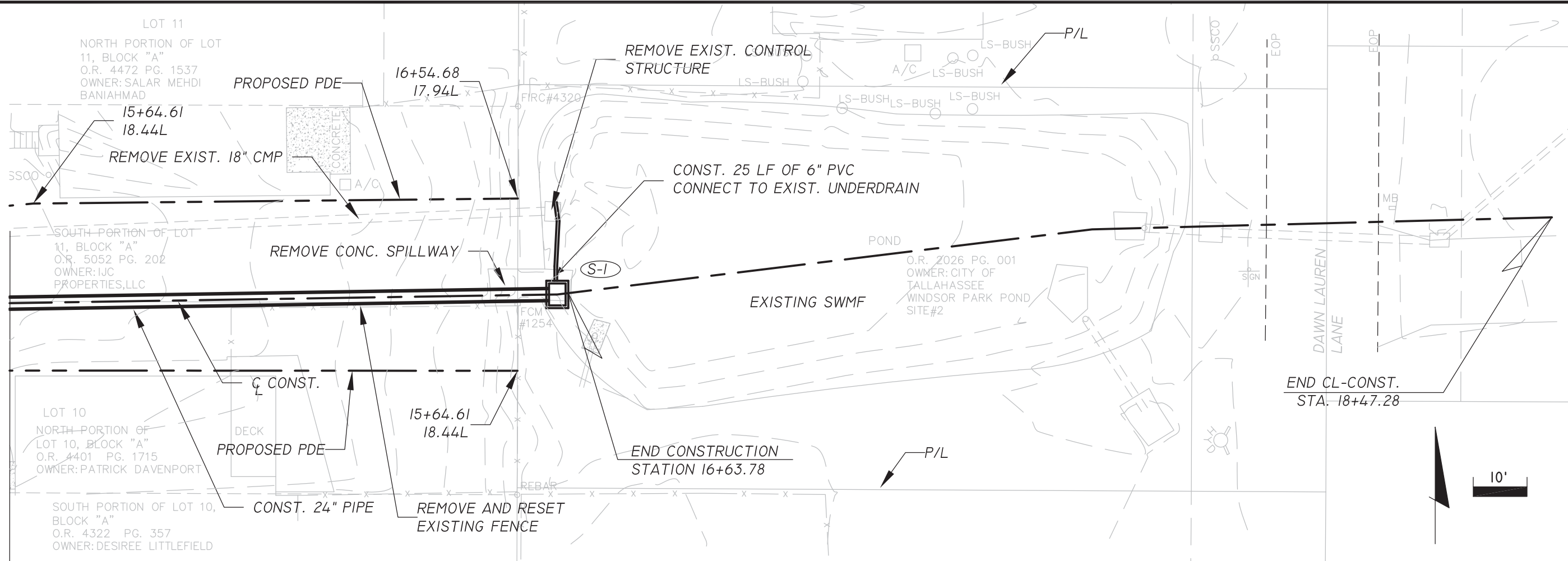
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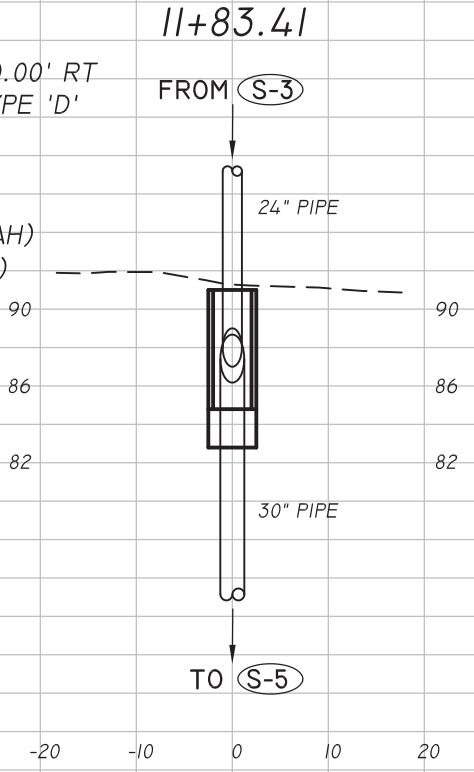
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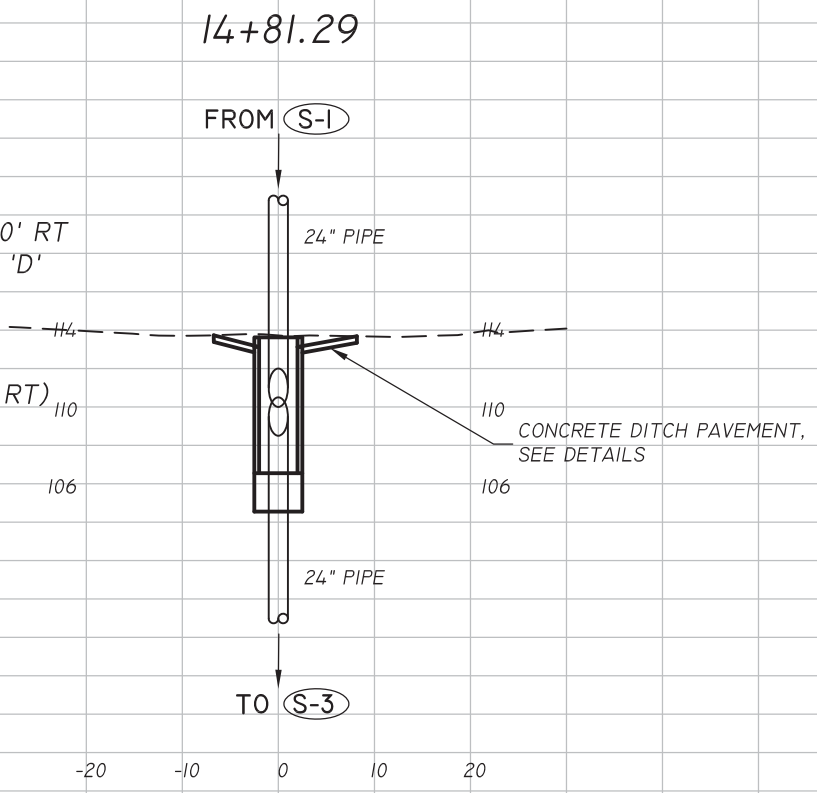
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CONST. DBI TYPE 'D'
WITH SLOT
INDEX NO. 232
GRATE: 91.00
SLOT: 90.50 (AH)
F.L. 87.00 (AH)
F.L. 86.17 (BK) 90



14+81.29

S-2

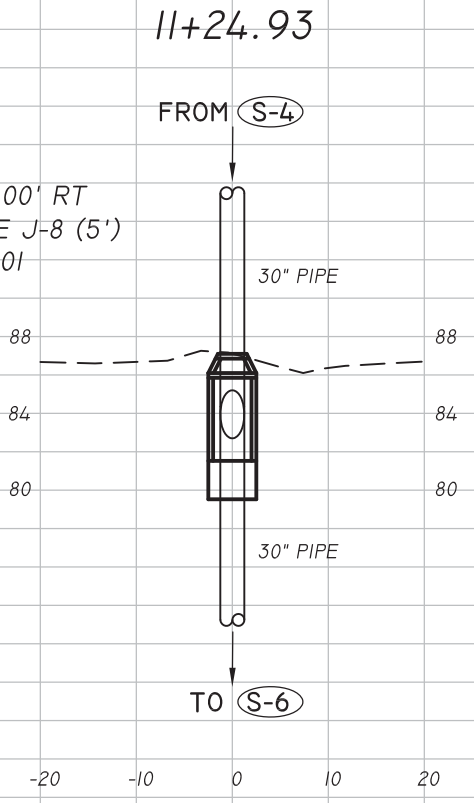
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WITH SLOT
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SLOT: 113.04 (LT, RT)
F.L. 110.00 (AH)
F.L. 108.50 (BK)



11+24.93

S-5

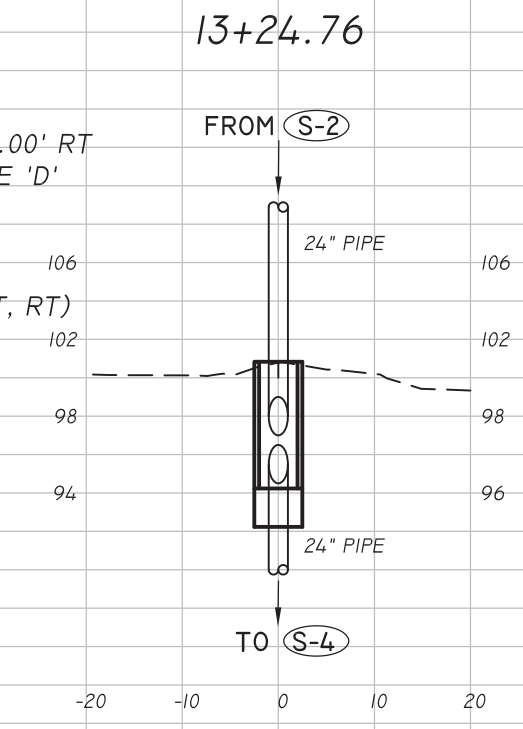
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CONST. MH TYPE J-8 (5')
INDEX NO. 200,201
RIM: 87.14
F.L. 82.60 (AH)
F.L. 82.60 (BK)



13+24.76

S-3

STA: 13+24.76 0.00' RT
CONST. DBI TYPE 'D'
WITH SLOT
INDEX NO. 232
GRATE: 100.78
SLOT: 100.28 (LT, RT)
F.L. 97.00 (AH)
F.L. 94.50 (BK)



DRAINAGE STRUCTURE NOTES:
1. ALTHOUGH THE ELEVATIONS OF THE TOPS OF DRAINAGE STRUCTURES ARE BASED ON THE BEST AVAILABLE INFORMATION, THEY MAY NOT MATCH FIELD CONDITIONS. INLET TOPS SHOULD BE SET TO THE ELEVATIONS OF ADJACENT CURBS. MANHOLE TOPS SHOULD BE SET TO MATCH THE FINISHED GROUND OR PAVEMENT ELEVATIONS.



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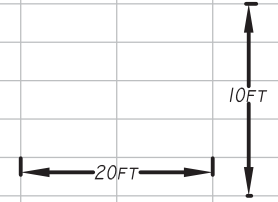
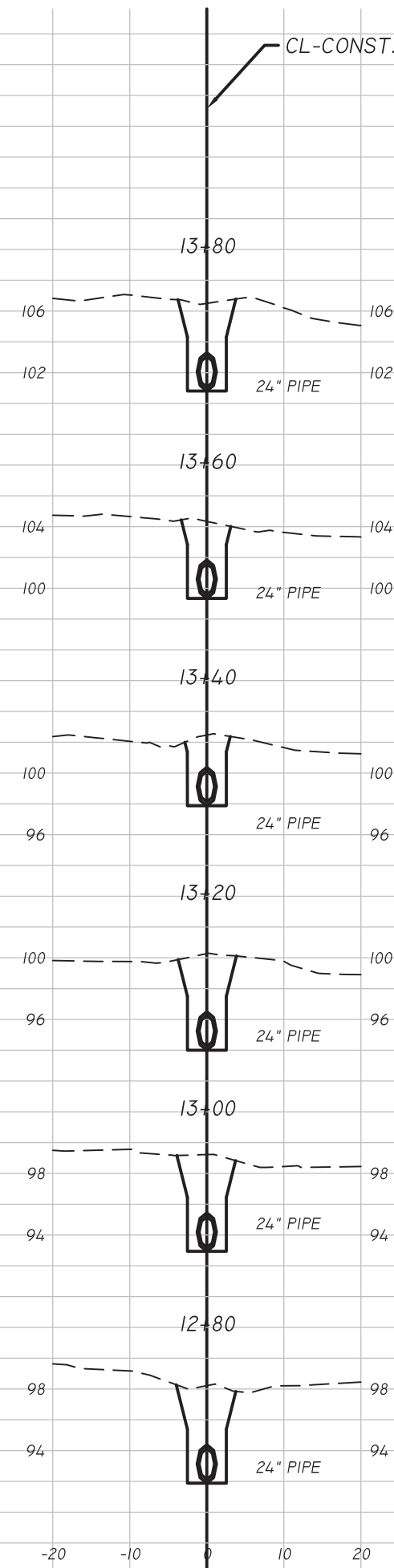
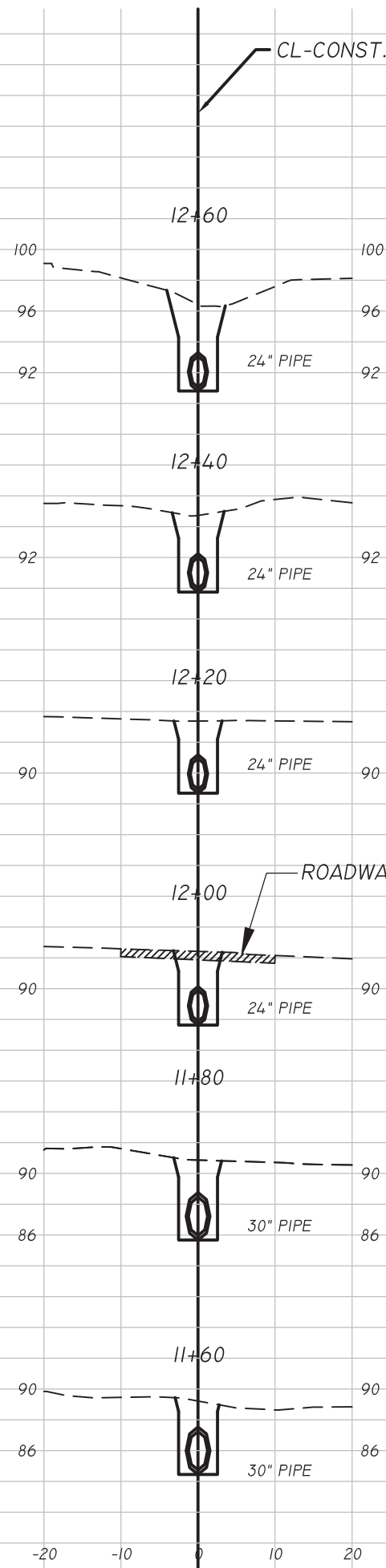
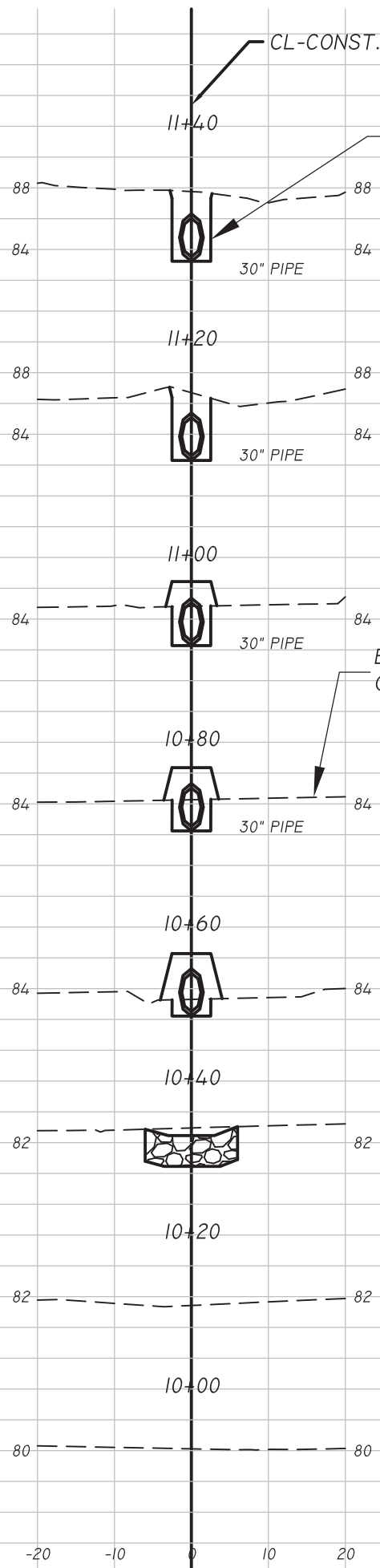
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DRAINAGE STRUCTURES

PROJECT
BRECKENRIDGE ON PARK
DRAINAGE IMPROVEMENTS

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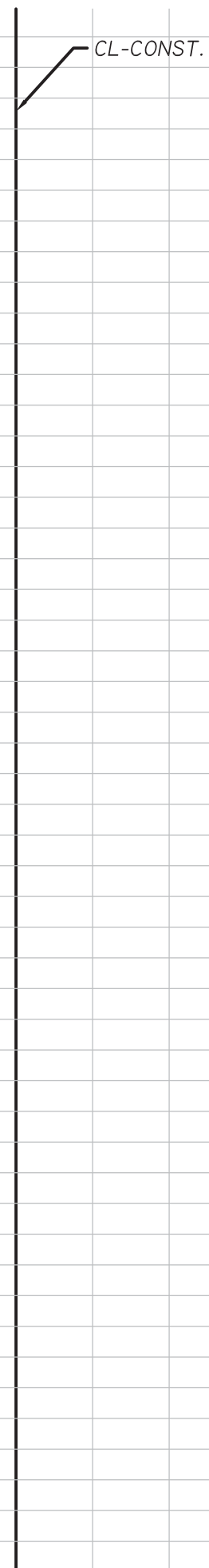
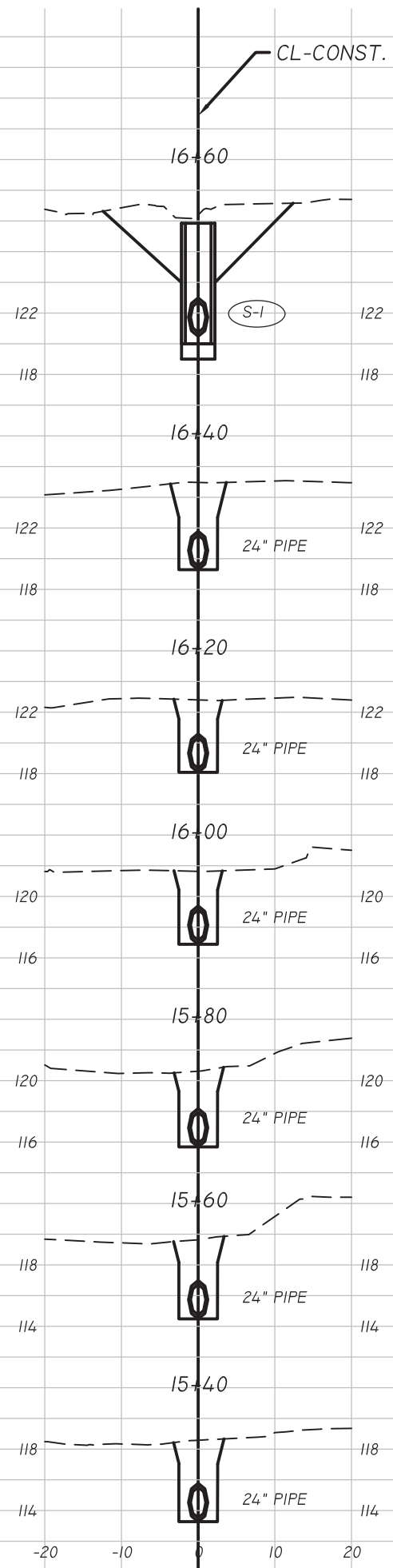
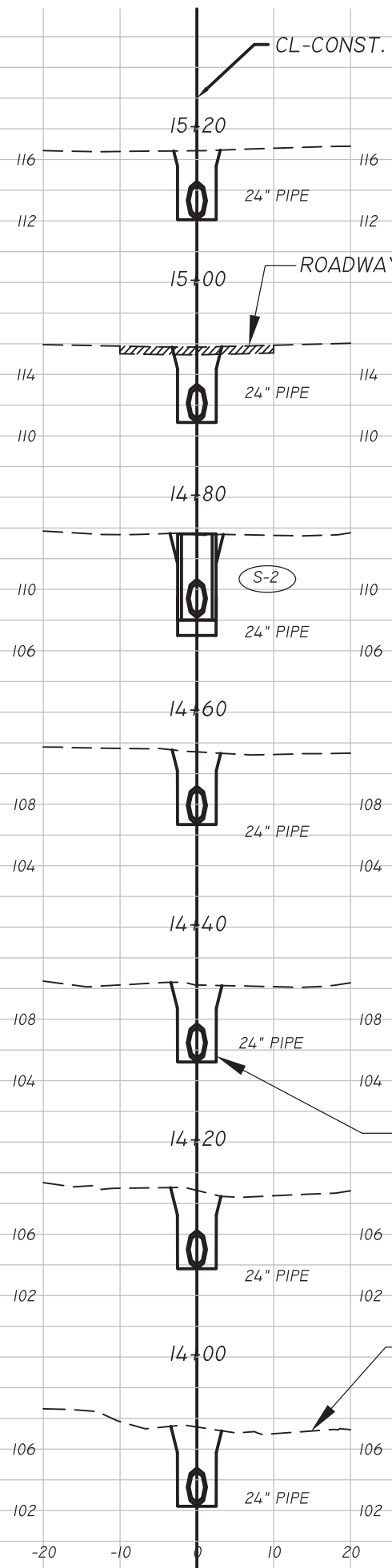
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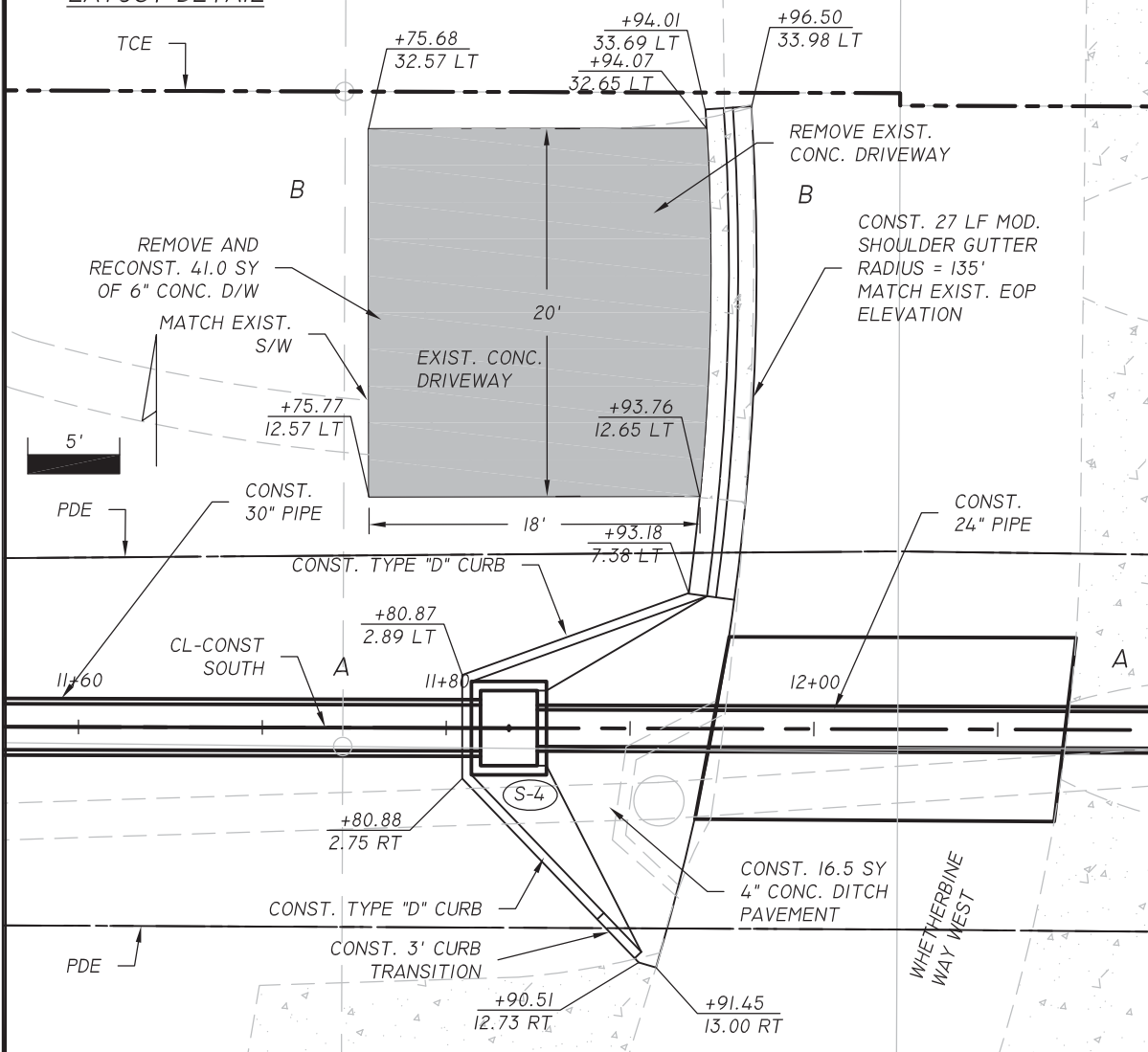
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 BRECKENRIDGE ON PARK
 DRAINAGE IMPROVEMENTS

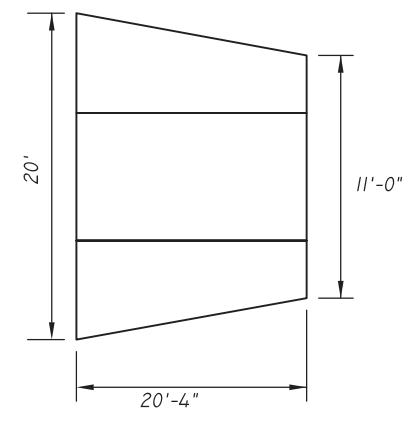
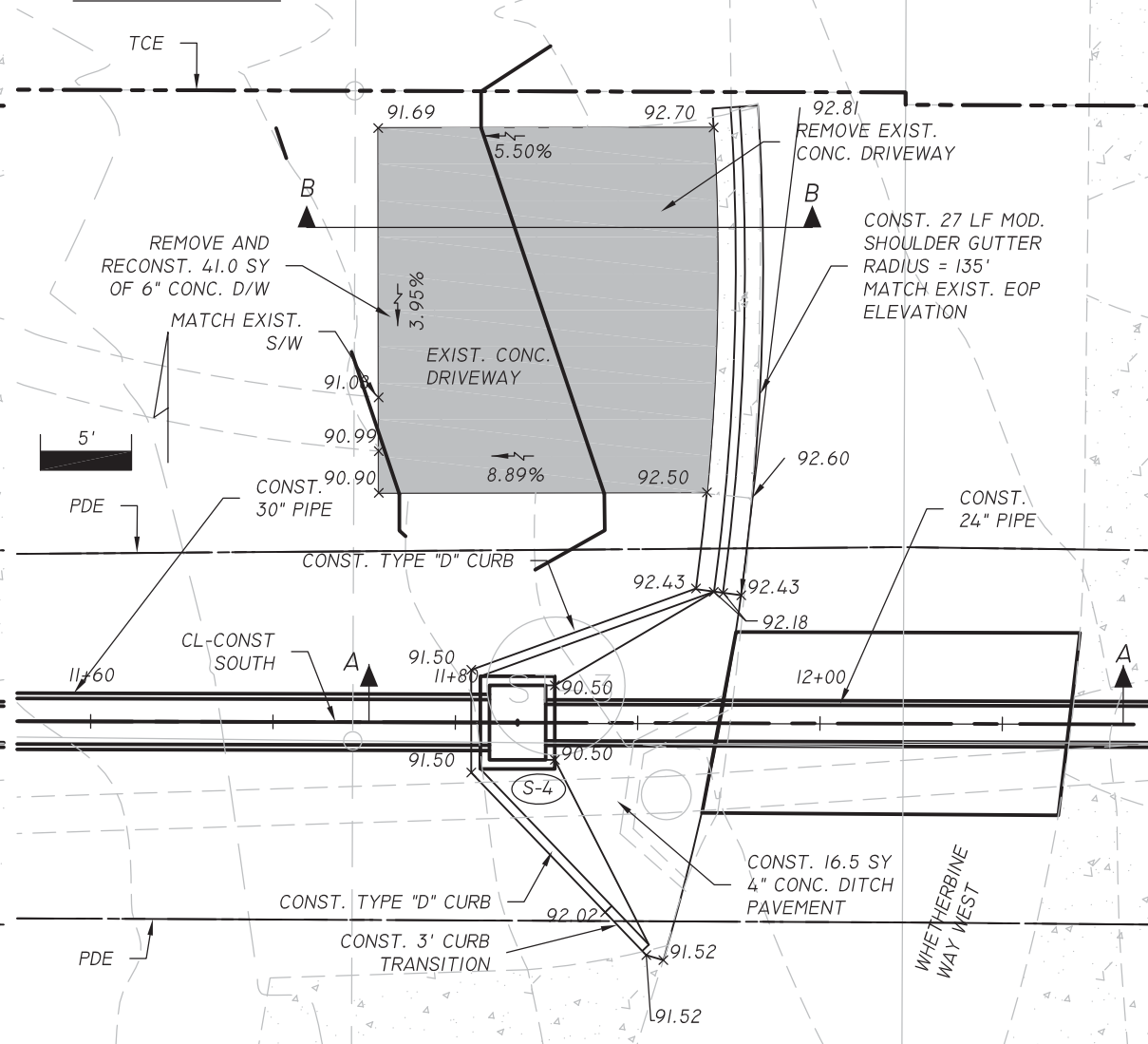
EITAW, INC.
 ENGINEERING, ARCHITECTURE, TRANSPORTATION, AND WATER
 2822 Remington Green Cir., Suite 202
 TALLAHASSEE, FLORIDA 32306
 Phone: (850) 383-0400
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 DRAWN _____
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S-4 AND DRIVEWAY LAYOUT DETAIL

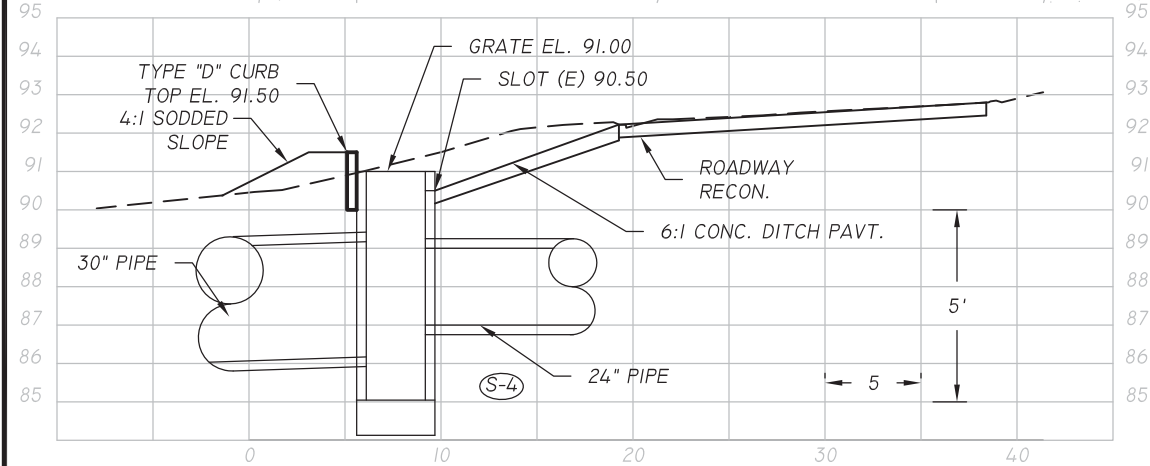


S-4 AND DRIVEWAY GRADING DETAIL

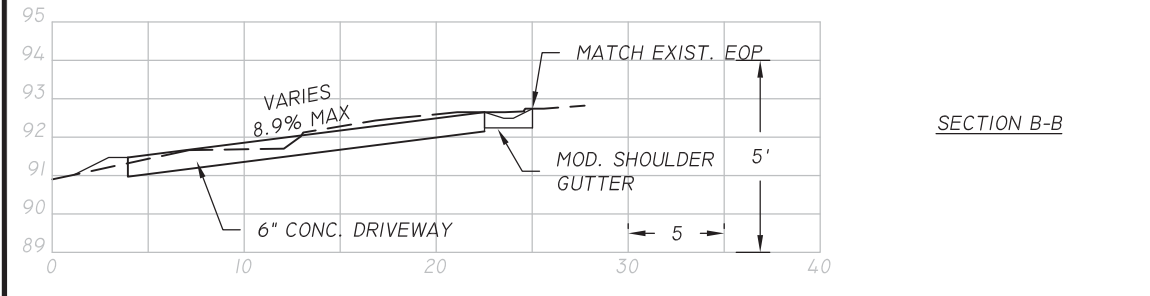


CONC. RIP-RAP APRON @ S-6

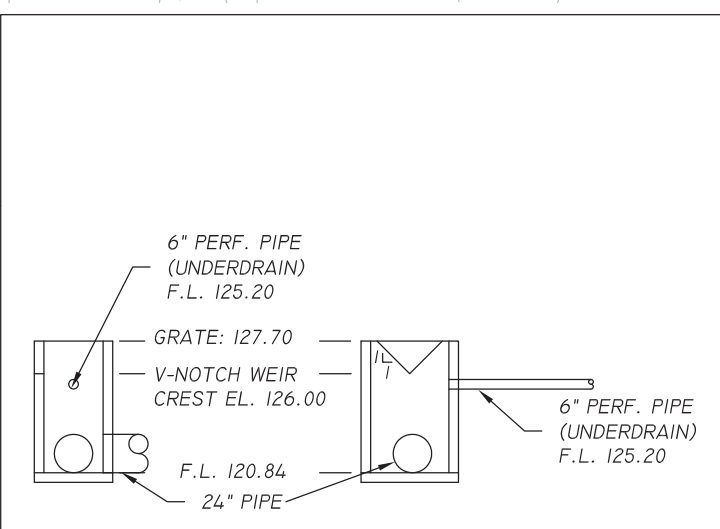
- NOTES:
- RIP-RAP APRON TO BE IN CONFORMANCE WITH FDOT INDEX NO. 281.
 - CONCRETE APRON SHALL BE UNDERLAIN WITH TYPE D-2 FILTER FABRIC.
 - APRON THICKNESS = 2'.
 - D₅₀ = 6.5"



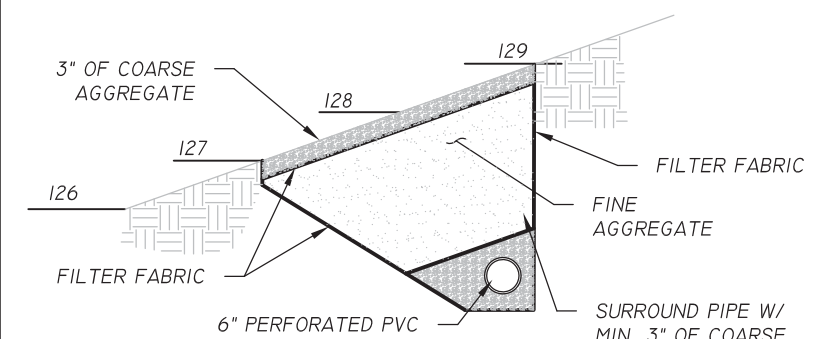
SECTION A-A



SECTION B-B



S-1 TYPE "D" DBI MODIFIED

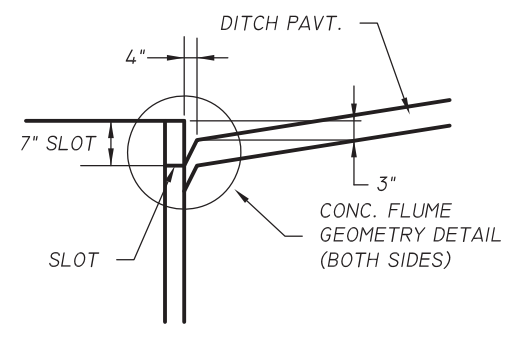
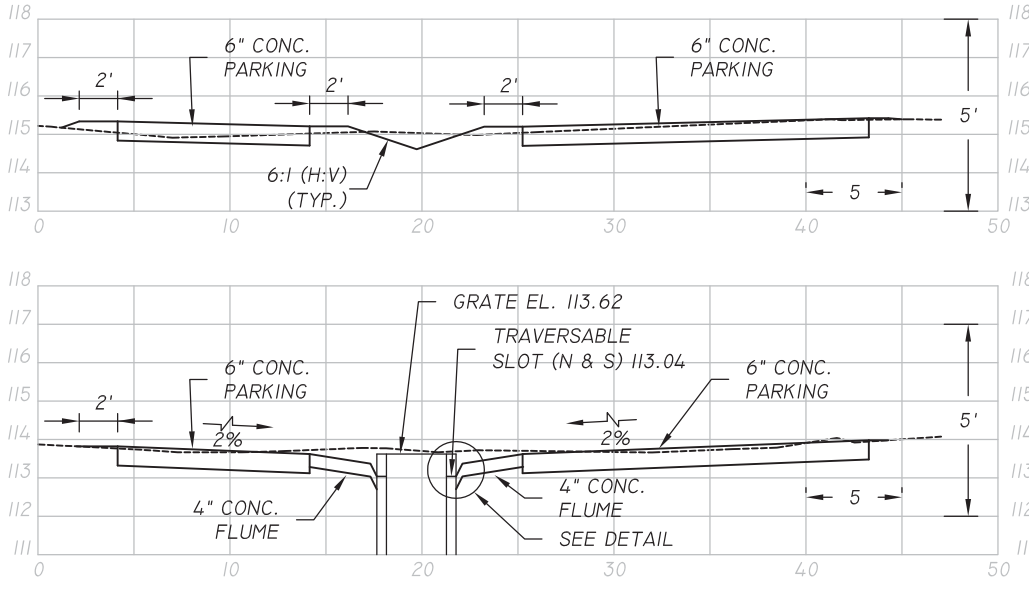
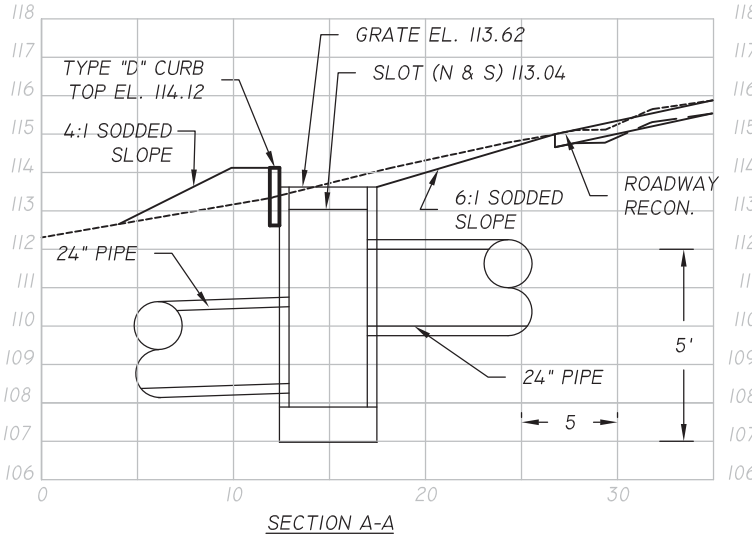
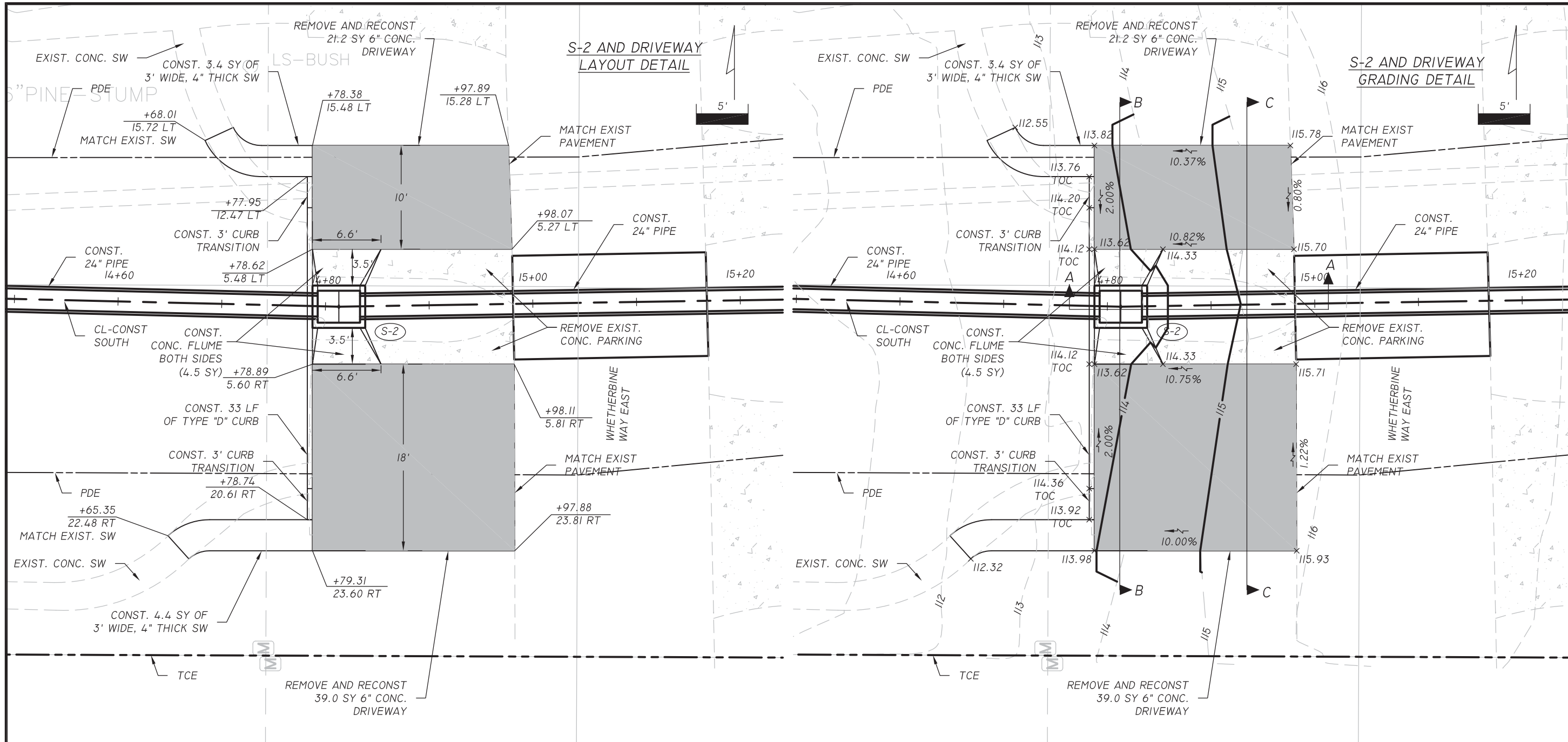


6" PERFORATED PVC CENTERLINE OF PIPE SHALL BE AT EL. 125.50' AT UPSTREAM END. SLOPE @ 0.25% TO CONTROL STRUCTURE.
SIDE BANK FILTER REPLACEMENT DETAIL
 DAWN LAUREN SOUTH POND
 NTS

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ENGINEER OF RECORD LANE P. LUCAS EIT 10,000 2822 Remington Green Circle Tallahassee, FL 32308 P.E. NO. 53936	Date
ORIGINAL REVISIONS: 1 2 3 4 5	
SHEET DRIVEWAY & DRAINAGE DETAILS	
PROJECT BRECKENRIDGE ON PARK DRAINAGE IMPROVEMENTS	
Engineering Utilities, Transportation, and Water 2822 Remington Green Cir., Suite 202 TALLAHASSEE, FLORIDA 32308 PHONE: (850) 383-0400 www.entawinc.com Certificate of Authorization #9961	
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ENGINEER OF RECORD
 LANE P. LUCAS
 EITW, INC.
 2822 Remington Green Circle
 Tallahassee, FL 32308
 P.E. NO. 53936

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PROJECT: BRECKENRIDGE ON PARK DRAINAGE IMPROVEMENTS

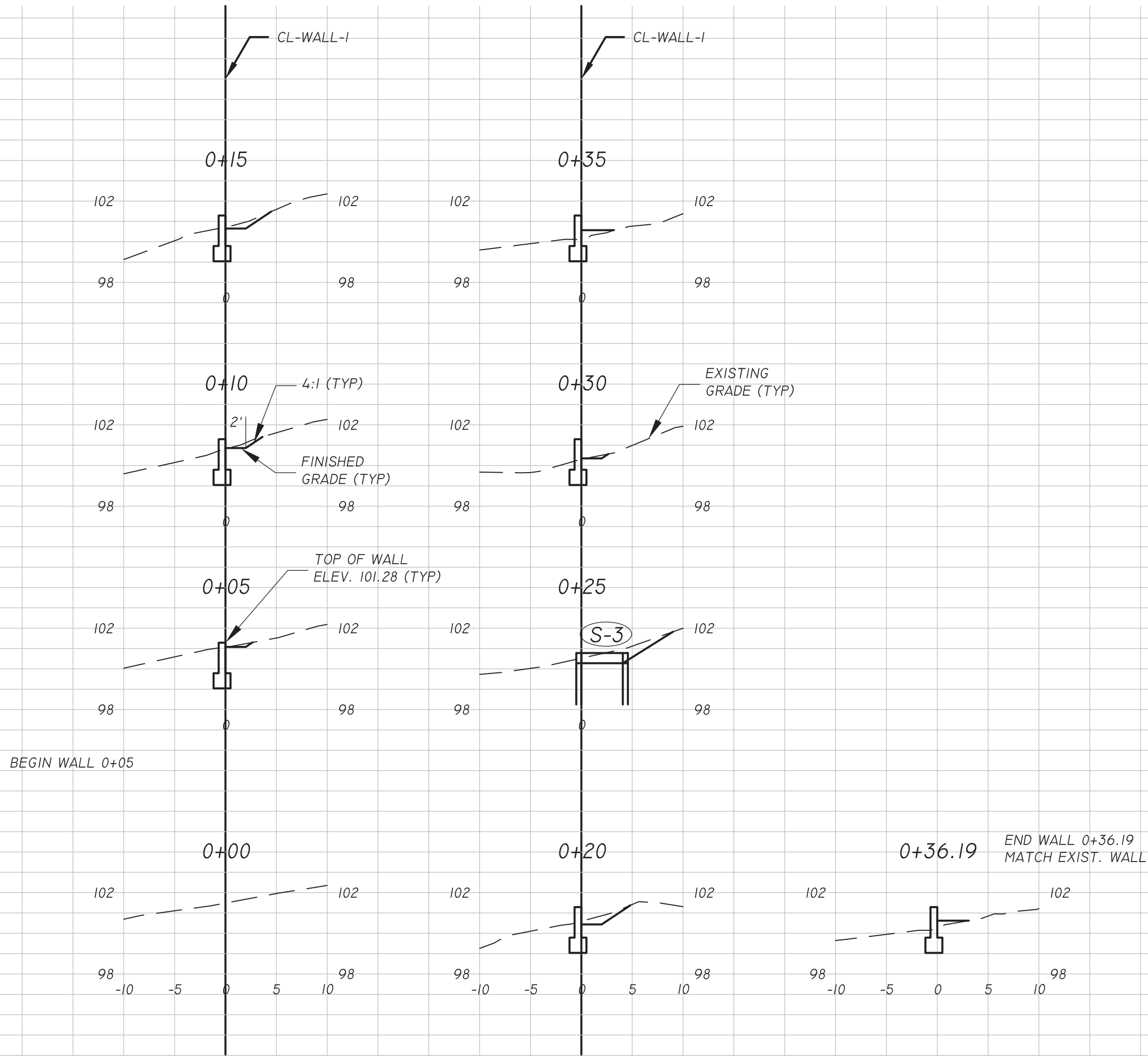
DRIVEWAY & DRAINAGE DETAILS

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 LANE P. LUCAS
 ELLIOTT, INC.
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SHEET

RETAINING WALL
 DETAILS

PROJECT

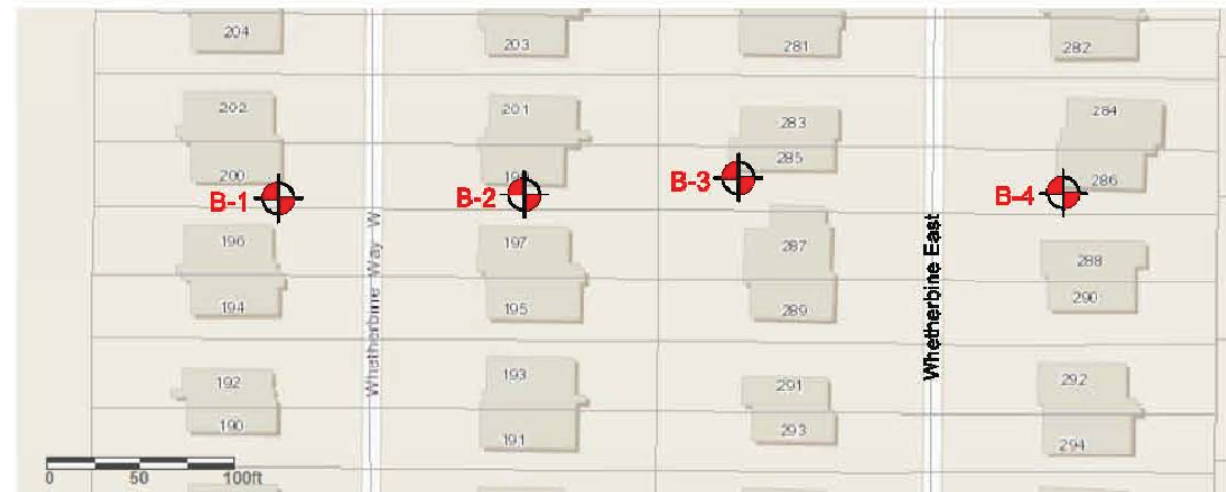
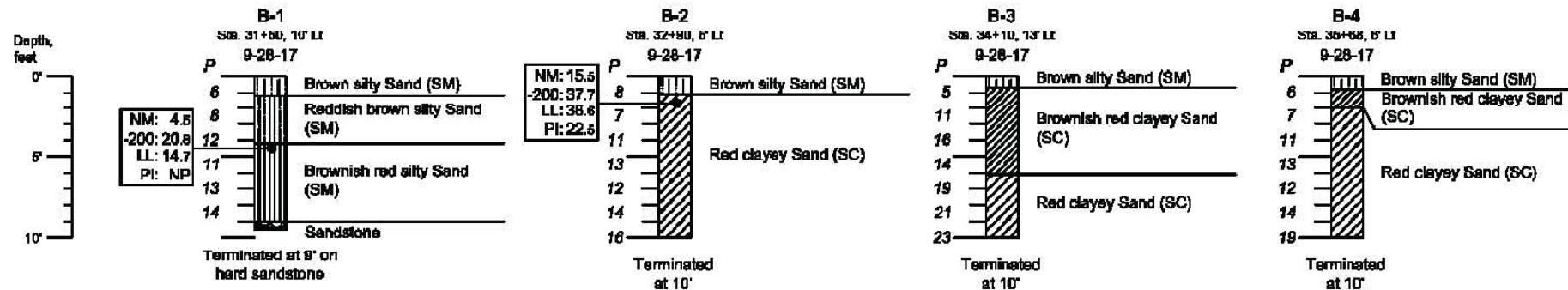
BRECKENRIDGE ON PARK
 DRAINAGE IMPROVEMENTS

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Soil Boring Profiles and Locations

North System



Drawing Source: Leon Property Appraiser

LEGEND

- N** - Standard Penetration Test "N-value". Number of blows from 140-pound hammer to advance sampler last 12" of 18" drive.
- P** - Dynamic Cone Penetrometer (DCP) "P-value". Number of blows from 15-pound hammer to advance cone tip 1.75".
- NM** - Natural Moisture Content, %.
- 200** - Finer than # 200 sieve, %.
- OC** - Organic Content (weight basis), %.
- LL** - Liquid Limit, %.
- PI** - Plastic Index (LL - Plastic Limit), %.
- (SC)** - Unified Soil Classification System, clayey sand (typical).
- Groundwater level, if present.

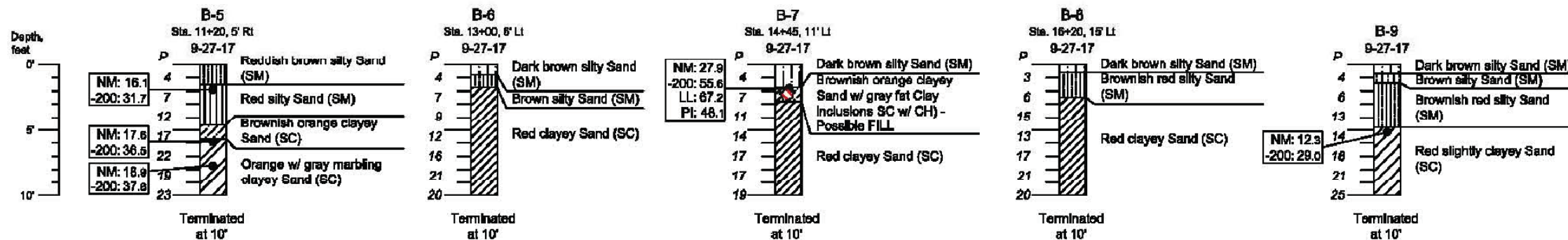
NOTES

- 1) Although the borings represent the subsurface conditions at their respective locations, it should be understood that significant differences could exist between borings.
- 2) Borings were performed with hand operated augers in accord with ASTM D 1452 and supplemented with readings from a dynamic cone penetrometer device in accordance with ASTM Special Technical Publication #399.
- 3) Station and offset designation approximated.

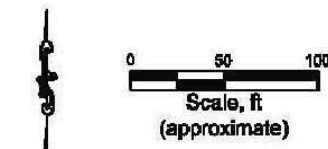
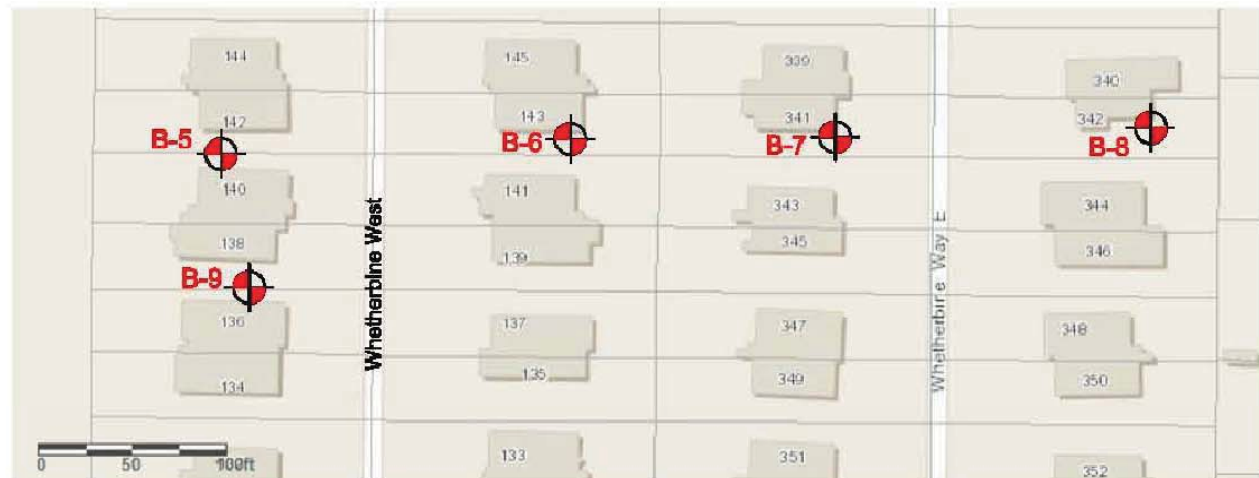
Penetration Resistance and Soil Properties on Basis of Standard Penetration Test¹

Sands (Fairly Reliable)		Clays (Rather Unreliable)	
Number of Blows per foot, N	Relative Density	Number of Blows per foot, N	Consistency
0-4	Very loose	Below 2	Very soft
4-10	Loose	2-4	Soft
10-30	Medium	4-8	Medium stiff
30-50	Dense	8-15	Stiff
Over 50	Very dense	15-30	Very stiff
		Over 30	Hard

1- Table 5.3 from Peck, Hanson, Thornburn, Foundation Engineering, 2nd Edition, 1973



South System



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 4778-B Woodlane Circle
 Tallahassee, FL 32303
 (850) 514-4171 Fax: 514-4173 www.alpha-geotech.com

Stephen P. Shanley, PE
 FL #40653

 May 21, 2018

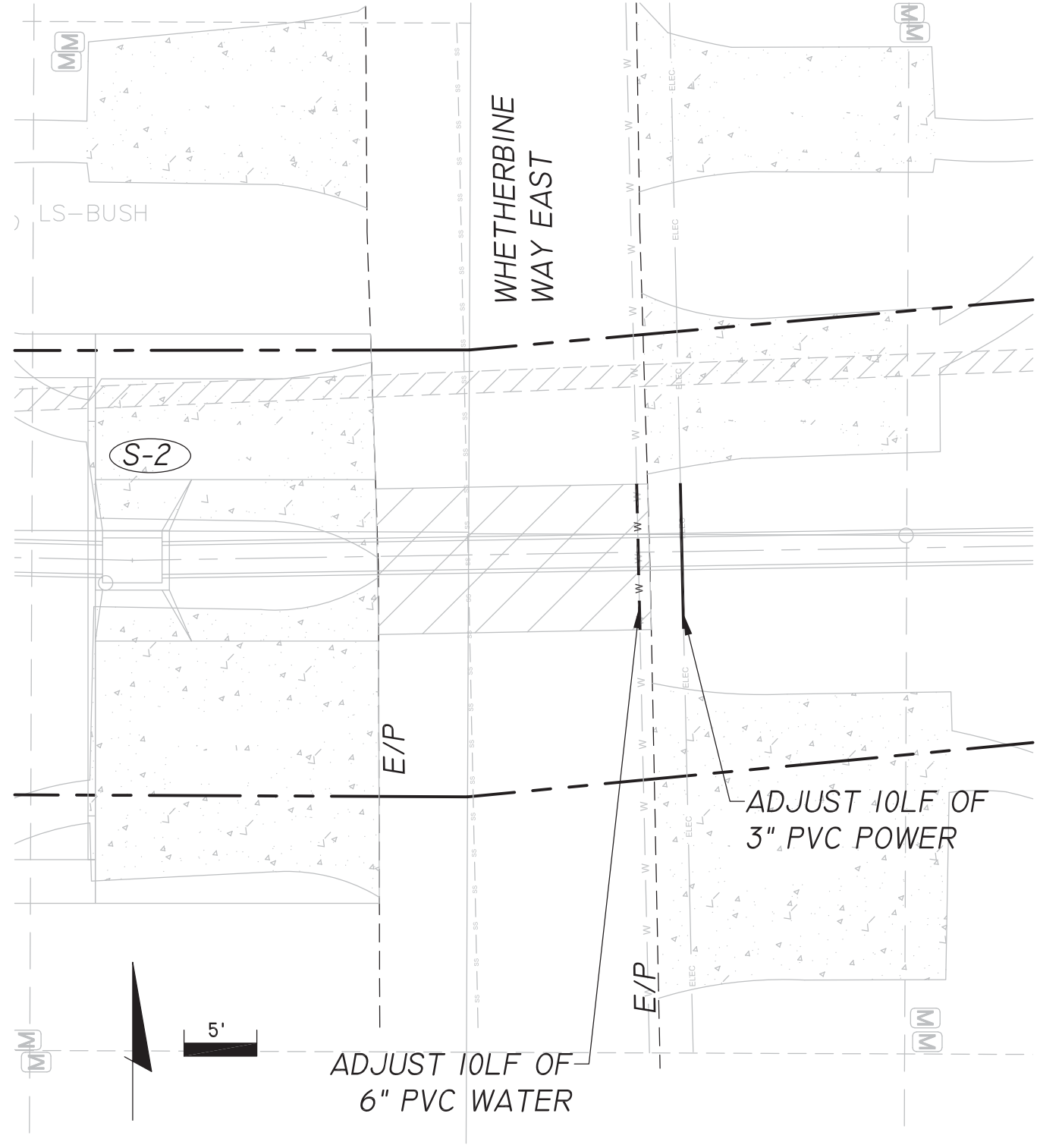
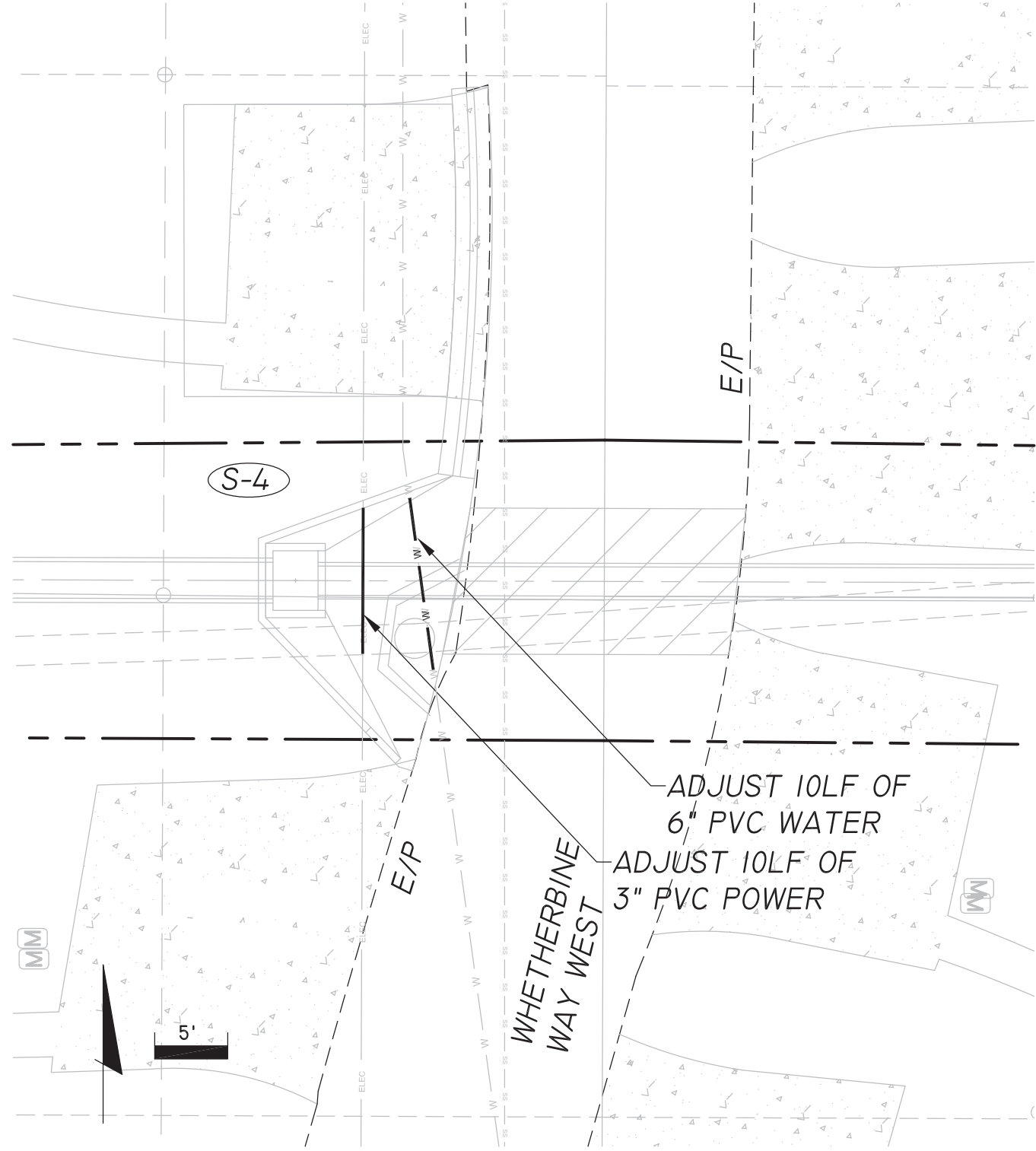
Geotechnical Exploration for
 Storm Water Improvements at
 Breckenridge on Park, Tallahassee, FL

Figure 1

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 QC _____

ENGINEER OF RECORD: _____
 ORIGINAL: JUNE 2018
 REVISIONS: 1 _____ 2 _____ 3 _____ 4 _____ 5 _____
 SHEET: _____
 PROJECT: BRECKENRIDGE ON PARK DRAINAGE IMPROVEMENTS
 SOIL SURVEY
 EUTAW, INC.
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SHEET
UTILITY ADJUSTMENTS

PROJECT
**BRECKENRIDGE ON PARK
 DRAINAGE IMPROVEMENTS**

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I. SITE DESCRIPTION

A. CONSTRUCTION ACTIVITY:

THE PROJECT CONSISTS OF RECONSTRUCTING EXISTING DRAINAGE INFRASTRUCTURE THROUGH AN EXISTING RESIDENTIAL DEVELOPMENT. THE PROJECT INCLUDES CLEARING AND GRUBBING, REMOVAL OF EXISTING DRAINAGE STRUCTURES, INSTALLATION OF DRAINAGE STRUCTURES AND PIPING, ROADWAY RECONSTRUCTION (PATCHING), UTILITY ADJUSTMENTS, RETAINING WALL CONSTRUCTION, AND PERMANENT EROSION CONTROL FEATURES.

B. MAJOR SOIL DISTURBING ACTIVITIES:

CLEARING AND GRUBBING
DRAINAGE STRUCTURES AND PIPING (REMOVAL AND INSTALLATION)

C. AREA ESTIMATES:

TOTAL PROJECT AREA: 0.76 ACRES
TOTAL AREA TO BE DISTURBED: 0.26 ACRES

D. RUNOFF DATA:

RUNOFF COEFFICIENT (BEFORE CONSTRUCTION): 0.45
RUNOFF COEFFICIENT (DURING CONSTRUCTION): 0.48
RUNOFF COEFFICIENT (AFTER CONSTRUCTION): 0.45

OUTFALL LOCATIONS:

THE PROJECT HAS ONE (1) OUTFALL TO THE PARK AVENUE TRIBUTARY #2.
N 30°26'39.0" W 84°13'51.9"

2. CONTROLS

SEQUENCE OF SOIL DISTURBING ACTIVITIES AND IMPLEMENTATION OF CONTROLS:

CONTROLS SHALL BE INSTALLED PRIOR TO ANY EARTH CLEARING ACTIVITIES AND MAINTAINED UNTIL PERMANENT EROSION CONTROL FEATURES HAVE BEEN ESTABLISHED.

A. EROSION AND SEDIMENT CONTROLS

(1) STABILIZATION PRACTICES:
TEMPORARY SODDING
TEMPORARY GRASSING
PERMANENT SODDING OR SEEDING

(2) STRUCTURAL PRACTICES:
SEDIMENT BARRIER
INLET PROTECTION SYSTEM
BERMS
SEDIMENT TRAPS/BASINS

B. STORMWATER MANAGEMENT

STORMWATER MANAGEMENT IS PROVIDED IN THE UPPER AREAS OF THE PROJECT AREA (EXISTING STORMWATER FACILITIES). NO NEW STORMWATER MANAGEMENT FACILITIES WILL BE CONSTRUCTED AS THERE IS NO NEW IMPERVIOUS AREA ASSOCIATED WITH THE PROJECT.

C. OTHER CONTROLS

(1) WASTE DISPOSAL:
THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP.

(2) OFFSITE VEHICLE TRACKING AND GENERATION OF DUST:
HAUL ROADS DAMPENED FOR DUST CONTROL
LOADED HAUL TRUCKS TO BE COVERED WITH TARP
EXCESS DIRT ON ROADWAY REMOVED DAILY
STABILIZED CONSTRUCTION ENTRANCE

(3) SANITARY OR SEPTIC WASTE:
ALL SANITARY WASTE WILL BE COLLECTED AS NECESSARY OR AS REQUIRED BY LOCAL REGULATION BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP.

(4) FERTILIZER:
FERTILIZER SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS BY A LICENSED OR CERTIFIED APPLICATOR AS DIRECTED BY THE PROJECT ENGINEER.

(5) PESTICIDES:
THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP.

(6) NON-STORM WATER DISCHARGE INCLUDING SPILL REPORTING:
NO NON-STORM WATER DISCHARGES ARE ANTICIPATED.

3. PERMITS

PERMITS OBTAINED FOR THIS PROJECT INCLUDE:

4. MAINTENANCE

ALL EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED FOLLOWING EACH RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. SEDIMENT DEPOSITS AT THE CONTROLS SHOULD BE REMOVED AFTER EACH STORM EVENT.

THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP.

5. INSPECTION

ALL CONTROLS SHALL BE INSPECTED WEEKLY BY THE CONTRACTOR AS WELL AS AFTER A STORM EVENT WITH 0.50" OR MORE OF RAIN. AN INSPECTION AND MAINTENANCE REPORT WILL BE MADE PER EACH INSPECTION BASED UPON INSPECTION RESULTS. THE CONTROLS SHALL BE REVISED PER THE INSPECTION RESULTS.

ENGINEER OF RECORD
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2822 Remington Green Circle
Tallahassee, FL 32308
P.E. NO. 53596

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SHEET
STORMWATER
POLLUTION
PREVENTION PLAN

PROJECT
BRECKENRIDGE ON PARK
DRAINAGE IMPROVEMENTS

Eutaw, Inc.
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GENERAL NOTES - SEDIMENT AND EROSION CONTROL:

1. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PREVENTION, CONTROL, AND ABATEMENT OF EROSION, WATER POLLUTION, AND THE TRANSPORTATION OF ERODED MATERIALS OFF SITE.
2. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ENGINEER A SEDIMENT AND EROSION CONTROL PLAN TO ACCOMPANY THE STORMWATER POLLUTION PREVENTION PLAN AND THE SEDIMENT AND EROSION CONTROL PLAN INCLUDED IN THESE PLANS. THE SEDIMENT AND EROSION CONTROL PLAN SHALL BE PREPARED IN ACCORDANCE WITH THE "FLORIDA EROSION AND SEDIMENT CONTROL MANUAL" AND SHALL BE SPECIFIC TO THE MEANS, METHODS, AND SEQUENCE OF CONSTRUCTION TO BE EMPLOYED BY THE CONTRACTOR AND SHALL IDENTIFY THE TYPES AND LOCATIONS OF CONTROLS THAT ARE TO BE IMPLEMENTED DURING EACH PHASE OF CONSTRUCTION AS SHOWN ON THE APPROVED CONSTRUCTION SCHEDULE TO MINIMIZE EROSION, PREVENT THE TRANSFER OF ERODED MATERIALS ONTO ANY OFF SITE PARCEL OR INTO ANY RECEIVING WATER, AND PREVENT VIOLATING STATE AND/OR FEDERAL PERMIT REQUIREMENTS. PAYMENT FOR PREPARING AND SUBMITTING THE SEDIMENT AND EROSION CONTROL PLAN AND FOR ANY MODIFICATIONS TO THE SEDIMENT AND EROSION CONTROL PLAN DURING CONSTRUCTION WILL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION. THE SEDIMENT AND EROSION CONTROL PLAN SHALL DESCRIBE BUT NOT BE LIMITED TO THE FOLLOWING ITEMS FOR EACH PHASE OF CONSTRUCTION OPERATIONS OR ACTIVITIES:
 - A. TYPES AND LOCATIONS OF ALL EROSION CONTROL DEVICES
 - B. ESTIMATED TIME EROSION CONTROL DEVICES WILL BE IN OPERATION
 - C. METHODS FOR CONTAINMENT OR REMOVAL OF ERODED MATERIALS FROM DISCHARGES RELATED TO DEWATERING OPERATIONS
 - D. METHODS FOR CONTAINMENT OR REMOVAL OF POLLUTANTS OR HAZARDOUS WASTES
 - E. METHODS FOR MAINTENANCE OF EROSION CONTROL DEVICES
 - F. SCHEDULES FOR MONITORING AND MAINTAINING EROSION CONTROL DEVICES
 - G. NAME AND PHONE NUMBERS OF PERSON RESPONSIBLE FOR MONITORING AND MAINTAINING EROSION CONTROL DEVICES
3. NO CONSTRUCTION ACTIVITIES SHALL BEGIN UNTIL THE SEDIMENT AND EROSION CONTROL PLAN HAS RECEIVED WRITTEN APPROVAL FROM THE ENGINEER.
4. THE CONTRACTOR SHALL UPDATE THE SEDIMENT AND EROSION CONTROL PLAN WHENEVER THERE IS A CHANGE IN CONSTRUCTION SEQUENCE OR ACTIVITIES THAT HAS A SIGNIFICANT EFFECT ON THE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS OFF SITE OR INTO ANY RECEIVING WATER AND SHALL SUBMIT THE UPDATED PLAN FOR REVIEW AND APPROVAL BY THE ENGINEER.
5. EROSION AND SEDIMENT CONTROLS SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION AND SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL.
6. FIELD CONDITIONS MAY REQUIRE THE USE OF ADDITIONAL TYPES AND QUANTITIES OF SEDIMENT AND EROSION CONTROL DEVICES DURING CONSTRUCTION AS DETERMINED BY THE CONTRACTOR, THE ENVIRONMENTAL INSPECTOR, OR THE ENGINEER.
7. THE CONTRACTOR SHALL INSPECT ALL SEDIMENT AND EROSION CONTROL DEVICES PRIOR TO SUSPENSION OF WORK ACTIVITIES EACH DAY, IMMEDIATELY AFTER EACH RAINFALL, AND AT LEAST DAILY DURING PROLONGED RAINFALL TO ENSURE THAT THE DEVICES ARE PROPERLY LOCATED AND MAINTAINED FOR EFFECTIVENESS. ANY REQUIRED REMEDIAL ACTION SHALL BE PERFORMED IMMEDIATELY.
8. SEDIMENT TRAPPED BY THE EROSION CONTROL DEVICES IS TO BE REMOVED BY THE CONTRACTOR AFTER EACH RAIN STORM.
9. THE AMOUNT OF AREA DISTURBED AT ONE TIME SHALL BE LIMITED TO THE MINIMUM NECESSARY TO ADEQUATELY IMPLEMENT THE WORK. CONSTRUCTION OPERATIONS SHALL BE CONTROLLED TO MINIMIZE UNPROTECTED AREAS EXPOSED TO WEATHER, AND AREAS OUTSIDE THE LIMITS OF CONSTRUCTION SHALL NOT BE DISTURBED.
10. EXCAVATED MATERIAL SHALL NOT BE DEPOSITED IN LOCATIONS WHERE IT COULD BE WASHED AWAY BY HIGH WATER OR BY STORMWATER RUNOFF, AND STOCKPILES SHALL BE COVERED OR ENCIRCLED WITH SEDIMENT CONTAINMENT DEVICES.
11. DURING THE INSTALLATION OF STORM DRAIN OR UTILITY PIPING, SYNTHETIC BALE BARRIERS SHALL BE PLACED BELOW THE WORK ZONES TO AID IN CONTROLLING THE TRANSFER OF ERODED MATERIAL OFF SITE.
12. NEW AND EXISTING DRAINAGE STRUCTURES SHALL BE PROTECTED FROM SILTATION DURING CONSTRUCTION. BARRIERS SHALL BE PLACED AROUND ALL INCOMPLETE STORMWATER INLETS AND MANHOLES DURING CONSTRUCTION. CURB INLET FILTERS SHALL BE PLACED ACROSS THE THROATS OF ALL EXISTING AND COMPLETED CURB INLETS.
13. EXISTING FLOW CAPACITY SHALL BE MAINTAINED IN THE DRAINAGE SYSTEMS TO CONVEY RUNOFF FROM RAIN STORMS THAT OCCUR DURING CONSTRUCTION. EXISTING DRAINAGE PIPES THAT ARE NOTED TO BE PLUGGED OR REMOVED SHALL REMAIN IN SERVICE UNTIL FLOWS CAN BE DIVERTED TO THE NEW DRAINAGE SYSTEM. WHERE NEW PIPES ARE TO BE INSTALLED IN CLOSE PROXIMITY TO EXISTING PIPES THAT ARE TO BE REMOVED, PROVISIONS SHALL BE MADE TO DIVERT FLOWS FROM THE EXISTING PIPES TO THE NEW PIPES PRIOR TO RAIN STORMS. TEMPORARY PIPES SHALL BE PLACED FOR THIS PURPOSE PRIOR TO SUSPENSION OF WORK ACTIVITIES EACH DAY.
14. STABILIZATION MEASURES SHALL BE INITIATED FOR EROSION AND SEDIMENT CONTROL ON DISTURBED AREAS AS SOON AS PRACTICABLE, BUT IN NO CASE MORE THAN 14 DAYS AFTER CONSTRUCTION ACTIVITY IN THOSE PORTIONS OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
15. PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL DISTURBED LAND AREAS SHALL BE COMPLETED IMMEDIATELY AFTER FINAL GRADING. WHEN IT IS NOT POSSIBLE TO PERMANENTLY PROTECT A DISTURBED AREA IMMEDIATELY AFTER GRADING OPERATIONS, TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED. ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE IN PLACE AND ESTABLISHED.
16. THE CONTRACTOR SHALL OBTAIN AN ENVIRONMENTAL MANAGEMENT PERMIT FROM THE CITY OF TALLAHASSEE GROWTH MANAGEMENT DEPARTMENT FOR ALL STOCKPILE AND CONSTRUCTION STAGING AREAS LOCATED OUTSIDE THE LIMITS OF CONSTRUCTION.

GENERAL NOTES - TREE PROTECTION:

1. BARRICADE FENCING SHALL BE INSTALLED AT OR NEAR THE CRITICAL PROTECTION ZONE OF EACH TREE TO BE PROTECTED PRIOR TO INITIATION OF ANY CONSTRUCTION ACTIVITY, AND THE FENCING SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITY HAS BEEN COMPLETED.
2. ALL ROOTS 3/4" IN DIAMETER AND LARGER OF TREES TO BE PROTECTED OR PRESERVED THAT ARE EXPOSED DURING TRENCHING AND EXCAVATION SHALL BE CLEANLY CUT WITH A HANDSAW AND COVERED IMMEDIATELY WITH SOIL OR KEPT MOISTENED WITH WET BURLAP OR PEAT MOSS UNTIL THE TRENCH CAN BE FILLED. WHEN IT IS NOT POSSIBLE TO BACKFILL IN THE SAME DAY, THE ROOTS SHALL BE FRESHLY CUT WITH A HANDSAW A REASONABLE DISTANCE FROM THE ORIGINAL CUT AND BACKFILLED IMMEDIATELY TO AVOID SOIL OR ROOT DEHYDRATION.
3. THE CONTRACTOR SHALL PROVIDE THE SERVICES OF A CERTIFIED ARBORIST TO BE ON SITE TO DIRECT TREE PROTECTION AND MITIGATION ACTIVITIES DURING ALL CONSTRUCTION OPERATIONS WITHIN THE CPZ OF TREES IDENTIFIED AS THOSE REQUIRING CERTIFIED ARBORIST SERVICES. MITIGATION ACTIVITIES INCLUDE LIMB PRUNING, ROOT CUTTING, WATERING, AND OTHER OPERATIONS NEEDED TO PRESERVE THE HEALTH OF THE TREE. SHOULD THE ARBORIST DETERMINE THAT MITIGATION EFFORTS WILL NOT BE SUFFICIENT TO OFFSET CONSTRUCTION IMPACTS AND TREE REMOVAL IS WARRANTED, THE ARBORIST WILL IMMEDIATELY NOTIFY THE CITY. SHOULD THE CITY DETERMINE THAT TREE REMOVAL IS WARRANTED, THE CITY WILL DIRECT THE CONTRACTOR TO REMOVE THE TREE. THE COST TO REMOVE ANY TREE DAMAGED BY CONSTRUCTION IMPACTS SHALL BE INCLUDED IN THE BID ITEM FOR CLEARING AND GRUBBING. THE COST OF ALL ARBORIST SERVICES AND ALL TREE MITIGATION ACTIVITIES AND OPERATIONS SHALL BE INCLUDED IN THE BID ITEM FOR MOBILIZATION.

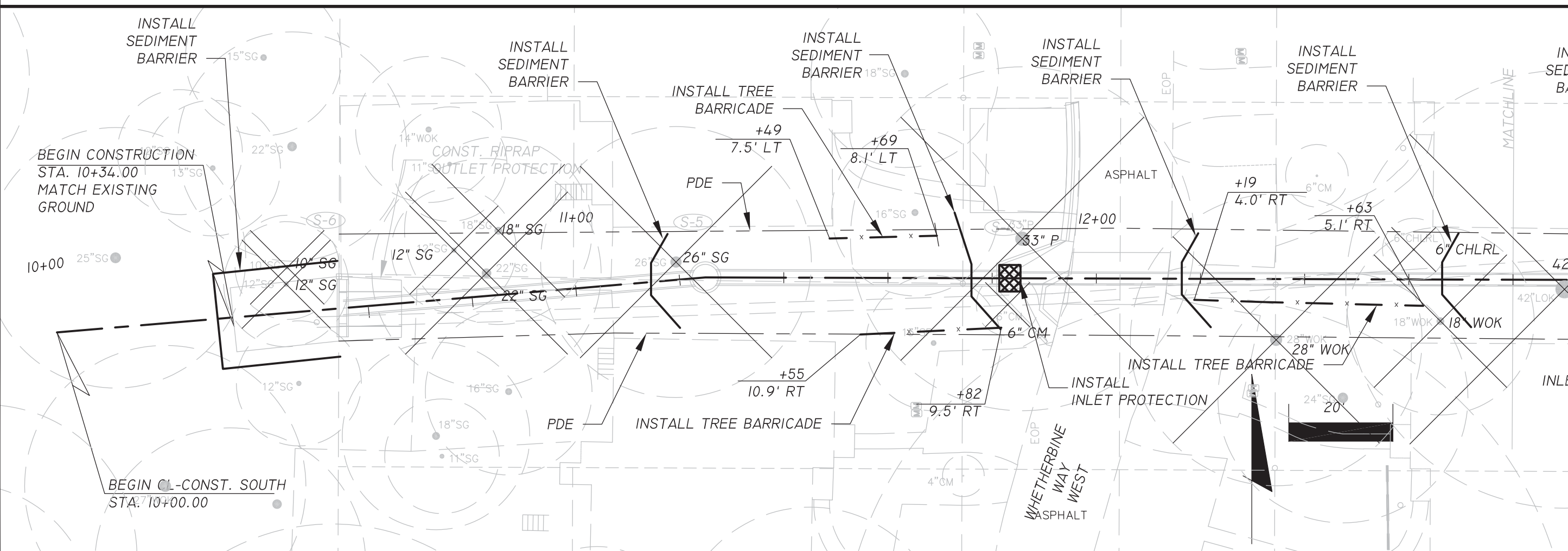
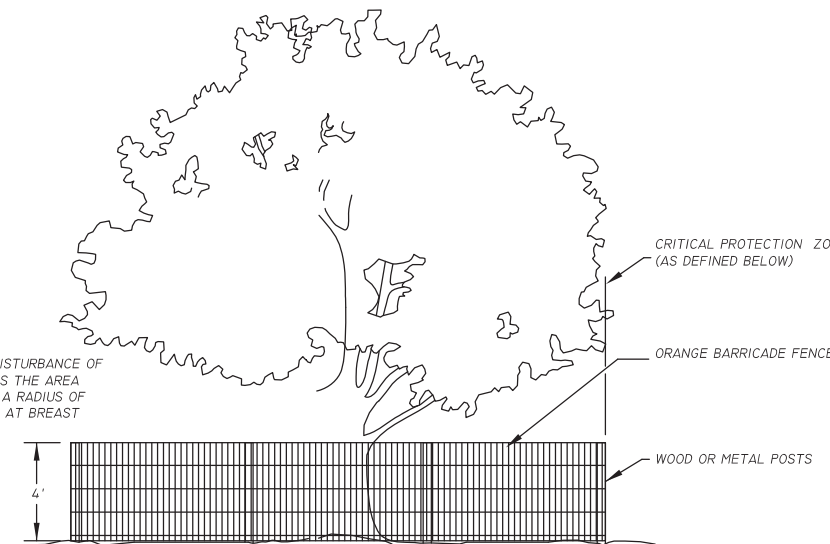
LEGEND



NOTES:

THE TREE PROTECTION BARRICADE IS TO PREVENT DISTURBANCE OF THE CRITICAL PROTECTION ZONE (CPZ). THE C.P.Z. IS THE AREA SURROUNDING A TREE WITH A CIRCLE DESCRIBED BY A RADIUS OF ONE FOOT FOR EACH INCH OF THE TREE'S DIAMETER AT BREST HEIGHT. THE AREA WITHIN BARRICADE IS NOT TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT.

TREE PROTECTION BARRICADE
NTS



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**TREE PROTECTION/
REMOVAL AND
EROSION CONTROL**

PROJECT _____

**BRECKENRIDGE ON PARK
DRAINAGE IMPROVEMENTS**

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PHONE: (850) 383-0400
www.eutawinc.com
Certificate of Authorization #9961

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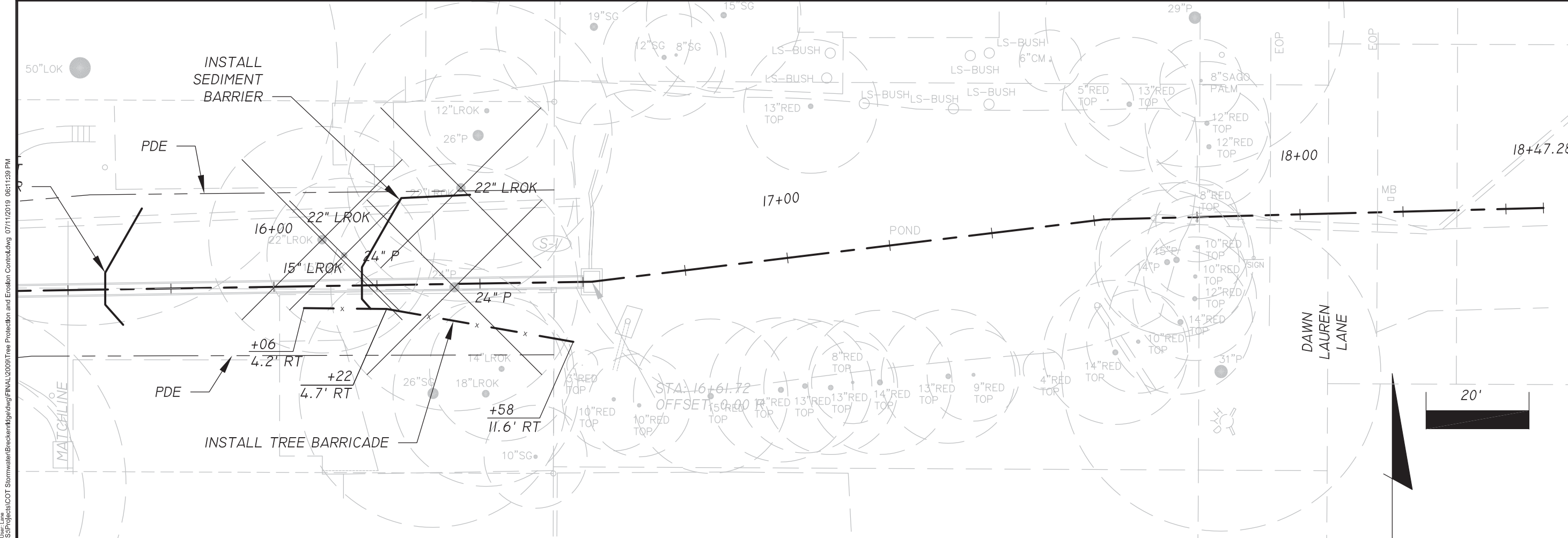
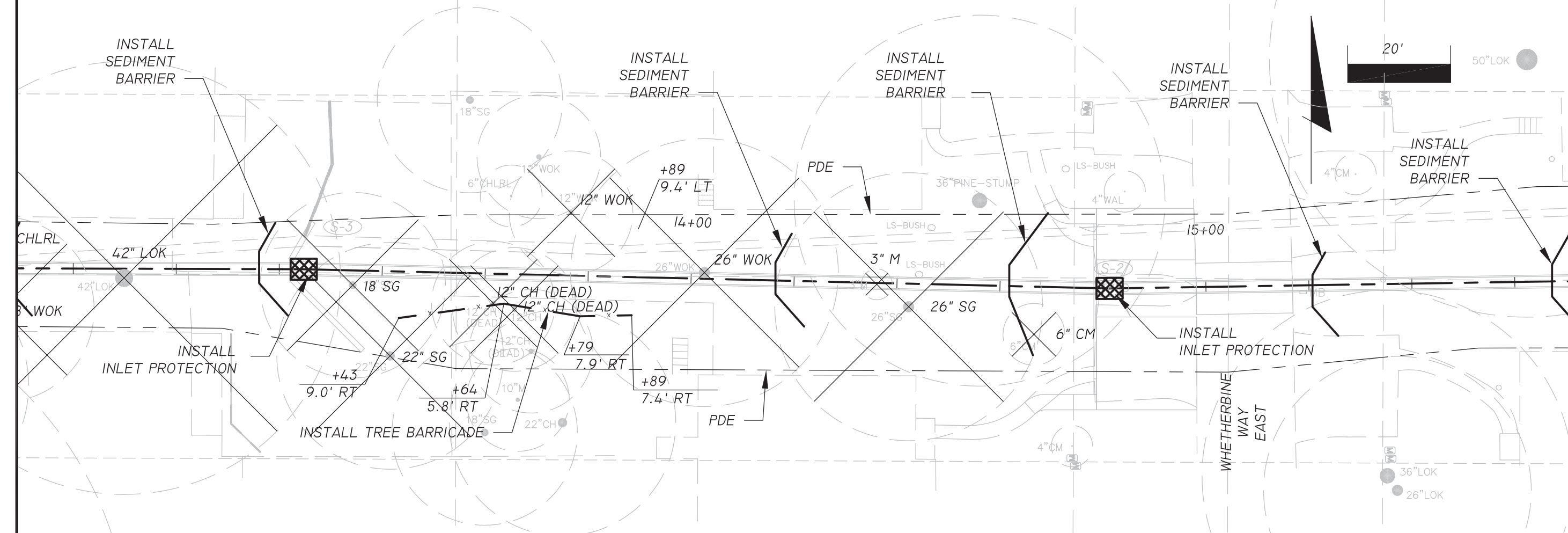
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ENGINEER OF RECORD
 LANE P. LUCAS P.E.
 Eutaw, Inc.
 2822 Remington Green Circle
 Tallahassee, FL 32308
 P.E. NO. 53596

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SHEET
 TREE PROTECTION/
 REMOVAL AND
 EROSION CONTROL

PROJECT
 BRECKENRIDGE ON PARK
 DRAINAGE IMPROVEMENTS

EUTAW, INC.
 Engineering Utilities, Transportation, and Water
 2822 Remington Green Cir., Suite 202
 TALLAHASSEE, FLORIDA 32308
 PHONE: (850) 383-0400
 www.eutawinc.com
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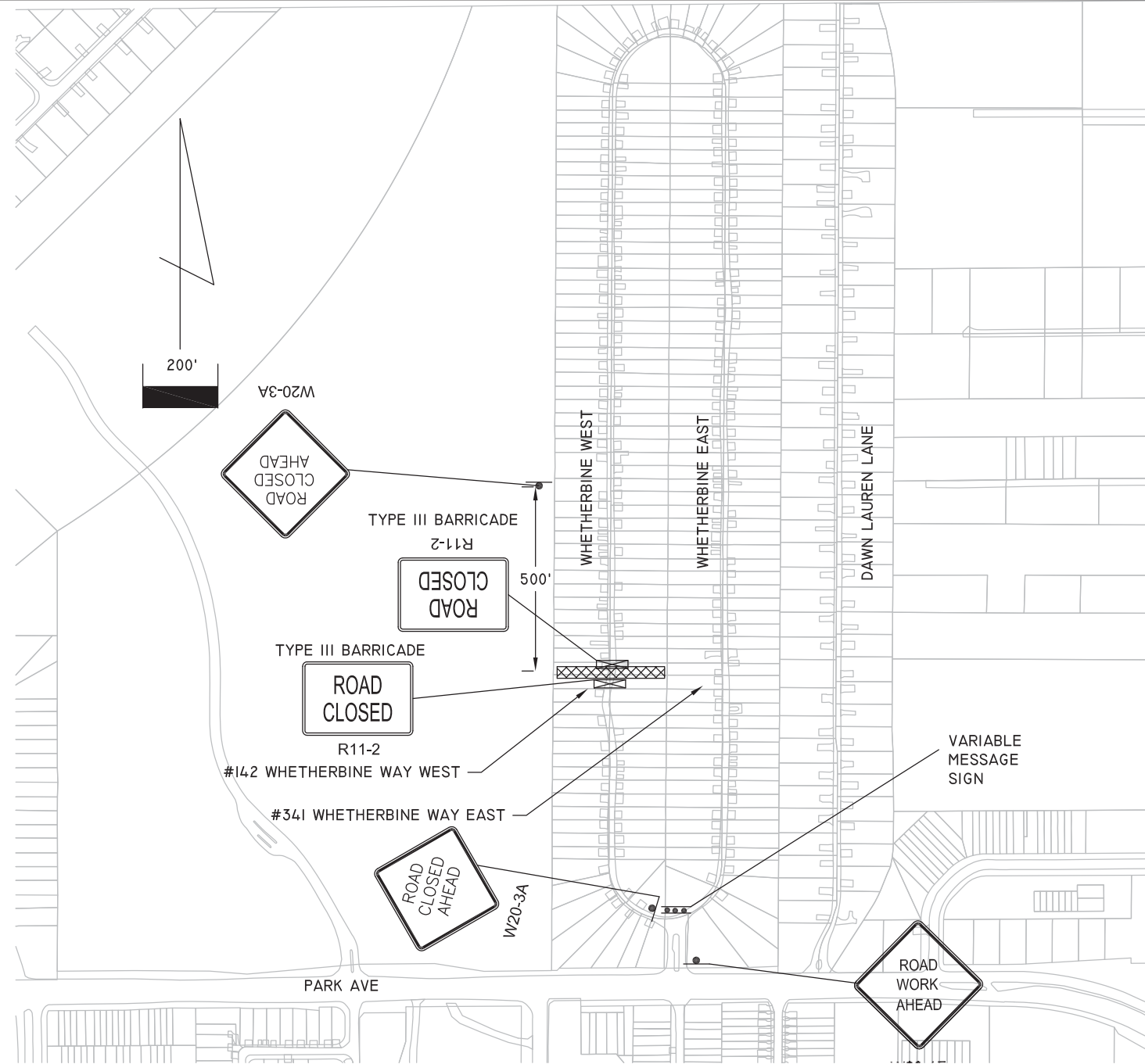
TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN THAT DESCRIBES THE MEASURES TO BE EMPLOYED DURING CONSTRUCTION TO WARN MOTORISTS AND PEDESTRIANS OF HAZARDS, TO ADVISE MOTORISTS OF THE PROPER TRAVEL PATH THROUGH OR AROUND THE WORK AREA, TO DELINEATE AREAS WHERE TRAFFIC SHOULD NOT OPERATE, AND TO SEPARATE AND PROTECT MOTORISTS, PEDESTRIANS, AND THE WORK FORCE DURING ALL PHASES OF THE WORK. THE PLAN SHALL ALSO CONSIDER ACCESS TO BUSINESSES WITHIN THE CONSTRUCTION AREA AND PROVIDE BUSINESS ENTRANCE SIGNS TO ROUTE MOTORISTS TO DESIGNATED PARKING AREAS. THE CONTRACTOR SHALL OBTAIN APPROVAL OF THE TRAFFIC CONTROL PLAN FROM THE CITY OF TALLAHASSEE TRAFFIC MOBILITY MANAGEMENT SECTION PRIOR TO BEGINNING CONSTRUCTION. PAYMENT FOR PREPARING AND SUBMITTING THE TRAFFIC CONTROL PLAN SHALL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION.
2. ACCESS TO BUSINESS AND RESIDENTIAL DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES.
3. NO ROADWAYS (INCLUDING COUNTY ROADS) SHALL BE CLOSED WITHOUT PRIOR APPROVAL OF THE CITY OF TALLAHASSEE TRAFFIC MOBILITY MANAGEMENT SECTION.
4. ALL TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND/OR THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS, 600 SERIES.
5. ALL TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE THE START OF CONSTRUCTION ON AFFECTED ROADWAYS.
6. WARNING LIGHTS SHALL BE USED ON BARRICADES DURING HOURS OF DARKNESS IN ACCORDANCE WITH INDEX NO. 600.
7. ON WHETHERBINE WAY EAST AND WEST, ROADWAY SEGMENTS UNDER CONSTRUCTION MAY BE CLOSED TO THROUGH TRAFFIC. ONLY ONE PORTION OF WHETHERBINE WAY MAY BE CLOSED AT ANY TIME.
8. WORK SHALL BE SCHEDULED WHERE ONLY ONE ROADWAY SEGMENT IS UNDER CONSTRUCTION AT A TIME.
9. ALL SIGNING AND ADVANCE WARNING SHALL BE INSTALLED PRIOR TO CLOSING ROAD SEGMENTS.

SUGGESTED CONSTRUCTION SEQUENCE

THE FOLLOWING SEQUENCE IS RECOMMENDED FOR THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS:

1. INSTALL EROSION CONTROL FEATURES
2. CLEARING AND GRUBBING
3. UTILITY ADJUSTMENTS
4. STORM SEWER CONSTRUCTION
5. RETAINING WALL CONSTRUCTION
6. ROADWAY STABILIZATION
7. OPTIONAL BASE CONSTRUCTION
8. CURB CONSTRUCTION
9. DRIVEWAY CONSTRUCTION
10. PERMANENT EROSION CONTROL



PHASE NOTES:

1. MOT SIGNING SHOWN FOR WORK ON WHETHERBINE WAY WEST. MIRROR FOR WHETHERBINE WAY EAST ROADWAY WORK.
2. VARIABLE MESSAGE SIGN SHOWN FOR WHETHERBINE WAY WEST CROSSING. ADJUST FOR OTHER ROAD WORK LOCATIONS. ONLY ONE ROADWAY CLOSURE IS ALLOWED AT ONE TIME.

MESSAGE 1
WHTHRBN
CLOSED
AT #142

MESSAGE 2
USE
WHTHRBN
EAST

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TRAFFIC CONTROL PLAN

BRECKENRIDGE ON PARK DRAINAGE IMPROVEMENTS

PROJECT

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Engineering Utilities, Transportation, and Water
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PHONE: (850) 383-0400
www.eitwinc.com
Certificate of Authorization #9961

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NOTE: THIS PROJECT SHALL BE CONSTRUCTED CONCURRENTLY WITH THE BRECKENRIDGE ON PARK SOUTH DRAINAGE IMPROVEMENT PROJECT.

BRECKENRIDGE ON PARK NORTH DRAINAGE IMPROVEMENTS

PLANS PREPARED FOR:

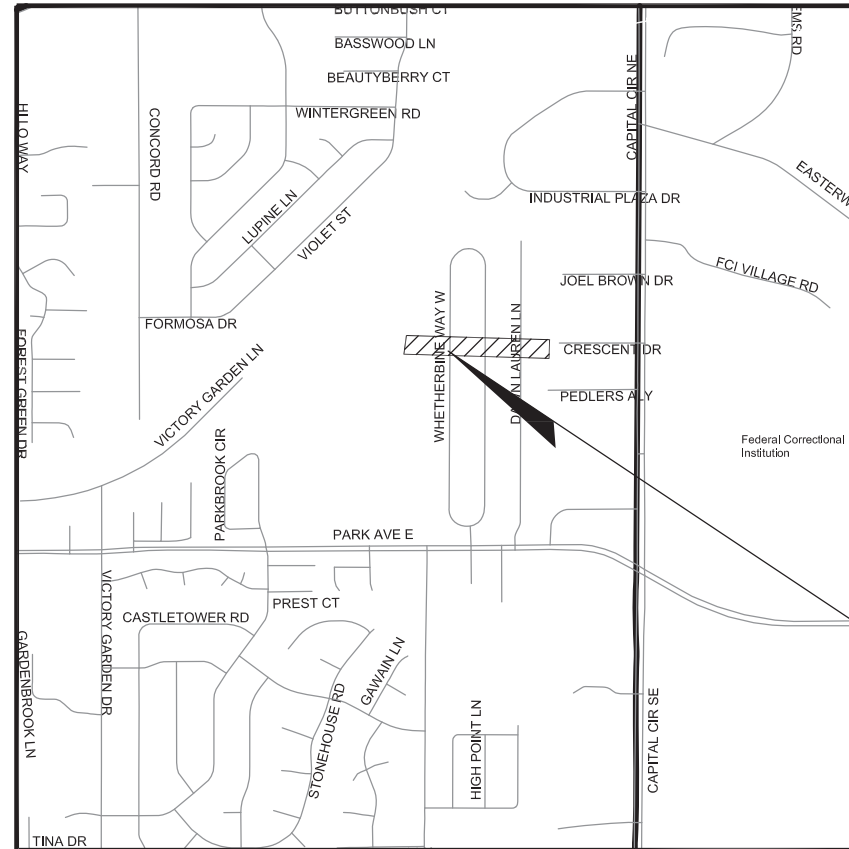


UNDERGROUND UTILITIES DEPARTMENT
WATER RESOURCES ENGINEERING
STORMWATER MANAGEMENT
C.O.T. WORK ORDER NO. 1718367

THIS PLAN SET IS FOR INFORMATIONAL PURPOSES ONLY.
NOT FOR CONSTRUCTION.

INDEX OF SHEETS

SHEET NO.	SHEET DESCRIPTION
1	COVER SHEET
2	DRAINAGE MAP
3	GENERAL NOTES
4	PAY ITEM NOTES
5	TYPICAL SECTIONS & DETAILS
6	PROJECT LAYOUT
7-9	PLAN & PROFILE
10	DRAINAGE STRUCTURES
11-12	CROSS SECTIONS
13	RETENTION/DETENTION POND
14-15	DRIVEWAY & DRAINAGE DETAILS
16	RETAINING WALL DETAILS
17	SOIL SURVEY
18	UTILITY ADJUSTMENTS
19	STORMWATER POLLUTION PREVENTION PLAN
20-21	TREE PROTECTION/REMOVAL & EROSION CONTROL
22	TRAFFIC CONTROL PLAN



PROJECT LOCATION

LOCATION MAP

1" = 800'

NORTH AMERICAN VERTICAL DATUM OF 1988

PLANS PREPARED BY:

EUTAW, INC

2822 REMINGTON GREEN CIRCLE, SUITE 202
TALLAHASSEE, FLORIDA 32308
(850) 383-0400
WWW.EUTAWINC.COM

ENGINEER OF RECORD:

LANE P. LUCAS, P.E.
FLORIDA PE #53936

GOVERNING STANDARDS AND SPECIFICATIONS:

FLORIDA DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS DATED 2017-2018 AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2018, AS AMENDED BY CONTRACT DOCUMENTS.

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN ALTERED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

REVISIONS			
NO.	DESCRIPTION	BY	DATE

CERTIFICATE OF AUTHORIZATION #9961

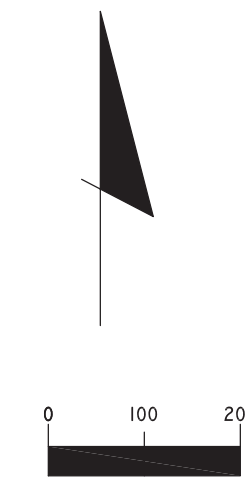
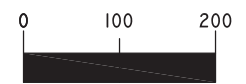
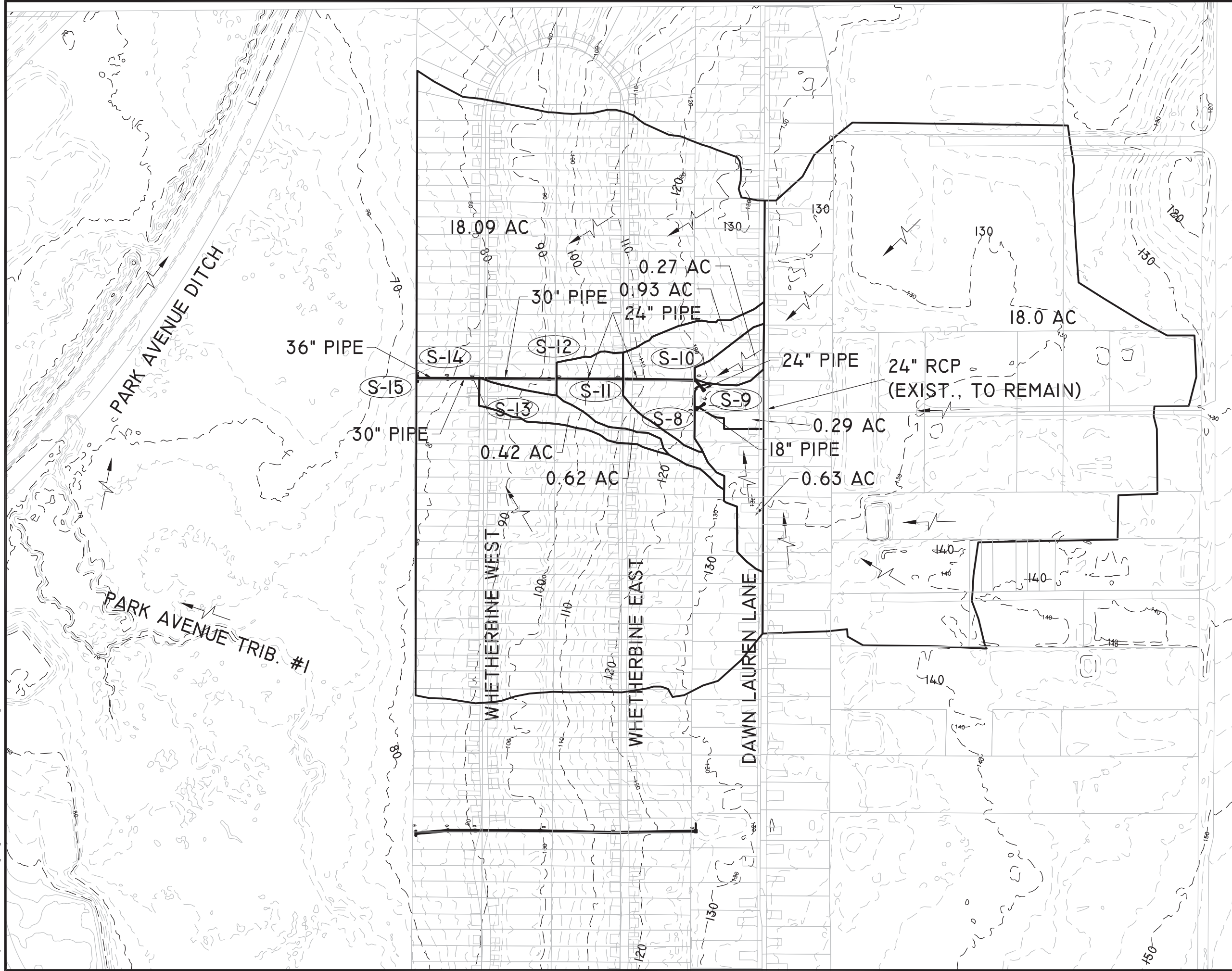
APPROVED FOR CONSTRUCTION

STORMWATER MANAGEMENT DIVISION

DATE: _____

SET NO.: _____

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ENGINEER OF RECORD
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 EITW, Inc.
 2822 Remington Green Circle
 Tallahassee, FL 32308
 P.E. NO. 53596

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SHEET
 DRAINAGE MAP

PROJECT
 BRECKENRIDGE ON PARK
 DRAINAGE IMPROVEMENTS

EITW, INC.
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 2822 Remington Green Cir., Suite 202
 TALLAHASSEE, FLORIDA 32308
 PHONE: (850) 383-0400
 www.eitwinc.com
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JOB NO. _____
 DRAWN _____
 DESIGNED _____
 CHECKED _____
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GENERAL NOTES:

- THE CONTRACTOR SHALL HAVE ALL REQUIRED PERMITS IN-HAND PRIOR TO BEGINNING CONSTRUCTION, AND SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE PERMITS OBTAINED BY THE CITY AND THOSE PERMITS OBTAINED BY THE CONTRACTOR.
- AT LEAST THREE CALENDAR DAYS PRIOR TO THE PRECONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL A TENTATIVE BASE CONSTRUCTION SCHEDULE, A PRECONSTRUCTION SURVEY, A TRAFFIC CONTROL PLAN, AND A SEDIMENT AND EROSION CONTROL PLAN. NO WORK SHALL BEGIN PRIOR TO APPROVAL OF THE CONSTRUCTION SCHEDULE, PRECONSTRUCTION SURVEY, TRAFFIC CONTROL PLAN, AND SEDIMENT AND EROSION CONTROL PLAN.
- THE CONSTRUCTION SCHEDULE SHALL DESCRIBE IN DETAIL HOW THE CONSTRUCTION IS TO BE PHASED, ESTABLISH START AND FINISH DATES FOR ALL SIGNIFICANT CONSTRUCTION ACTIVITIES, AND IDENTIFY ALL CONTROLLING ITEMS OF WORK. THE SCHEDULE IS TO BE APPROVED BY THE ENGINEER, AND SHALL BE UPDATED ON A MONTHLY BASIS TO REFLECT ACTUAL WORK PROGRESS. THE UPDATED SCHEDULE SHALL BE SUBMITTED TO THE ENGINEER NO LATER THAN THREE DAYS PRIOR TO EACH SCHEDULED MONTHLY PROGRESS MEETING. PAYMENT FOR PREPARING, UPDATING AND SUBMITTING THE SCHEDULE SHALL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION.
- THE PRECONSTRUCTION SURVEY SHALL VERIFY THE CONTROL POINTS AND BENCH MARK ELEVATIONS PROVIDED BY THE ENGINEER AND SHALL ALSO ESTABLISH THE LOCATION AND DESCRIPTION OF ALL ADDITIONAL REFERENCE POINTS AND THE LOCATIONS, DESCRIPTIONS, AND ELEVATIONS OF ALL ADDITIONAL BENCHMARKS TO BE USED IN CONSTRUCTING THE PROJECT. THE SURVEY SHALL BE SIGNED AND SEALED BY A PROFESSIONAL SURVEYOR AND MAPPER REGISTERED IN THE STATE OF FLORIDA. SIGNIFICANT INCONSISTENCIES BETWEEN THE FIELD NOTES AND THE CONTROL POINTS AND BENCH MARK ELEVATIONS PROVIDED BY THE ENGINEER SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION PRIOR TO ISSUANCE OF THE NOTICE TO PROCEED. PAYMENT SHALL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION.
- THE GEOTECHNICAL INFORMATION SHOWN ON THE DRAWINGS WAS OBTAINED FOR USE IN ESTABLISHING DESIGN CRITERIA FOR THE PROJECT. THIS INFORMATION MAY NOT ACCURATELY REFLECT ACTUAL SOIL CONDITIONS AS TO THE DEPTH, EXTENT OR CHARACTER OF THE MATERIAL TO BE ENCOUNTERED IN CONSTRUCTION OF THE PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE SUCH EXAMINATION OF THE SITE OF THE WORK AS MAY BE NECESSARY TO DETERMINE THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED.
- THE CONTRACTOR IS RESPONSIBLE FOR PRESERVING ALL PROPERTY CORNERS AND MONUMENTS SHOWN ON THE DRAWINGS OR FOUND DURING CONSTRUCTION. IF A PROPERTY CORNER OR MONUMENT IS DESTROYED OR DISTURBED, THE CONTRACTOR WILL HAVE IT REPLACED AND CERTIFIED BY A PROFESSIONAL SURVEYOR AND MAPPER REGISTERED IN THE STATE OF FLORIDA. ALL COSTS FOR PRESERVING, REPLACING AND CERTIFYING PROPERTY CORNERS AND MONUMENTS WILL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION.
- ANY NATIONAL GEODETIC SURVEY MONUMENT WITHIN THE LIMITS OF CONSTRUCTION MUST BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND:

FDEP, BUREAU OF SURVEY AND MAPPING, MS 100
3900 COMMONWEALTH BLVD.
TALLAHASSEE, FLORIDA 32399
850-245-2555 (OFFICE)
850-245-2572 (FAX)
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS BASED ON INFORMATION PROVIDED BY THE UTILITY OWNERS, AVAILABLE RECORDS, AND SURVEYED FIELD INFORMATION. THE INFORMATION MAY NOT REFLECT ACTUAL CONDITIONS, INCLUDE ALL UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED, OR SHOW THE UTILITIES IN THE CORRECT HORIZONTAL OR VERTICAL LOCATIONS. THE CONTRACTOR SHALL MAKE HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UTILITIES AS NECESSARY TO ESTABLISH THEIR LOCATIONS AND AVOID DAMAGE. THE FOLLOWING UTILITIES SHOULD BE CONTACTED FOR INFORMATION CONCERNING TYPE AND LOCATION OF THEIR FACILITIES. THE LIST MAY NOT INCLUDE ALL UTILITIES IN THE AREA.

- SUNSHINE STATE ONE-CALL OF FLORIDA
811 OR 800-432-4770 (5 DAYS NOTIFICATION PRIOR TO CONSTRUCTION)
- | | |
|--|--------------|
| CITY OF TALLAHASSEE/ELECTRICAL UTILITY | 850-891-5091 |
| CITY OF TALLAHASSEE/GAS UTILITY | 850-891-5100 |
| CITY OF TALLAHASSEE/WATER UTILITY | 850-891-6107 |
| CITY OF TALLAHASSEE/SEWER UTILITY | 850-891-6107 |
| COMCAST (CABLE TELEVISION) | 850-574-4060 |
| CENTURYLINK (TELEPHONE) | 850-599-1502 |
| AT&T (COMMUNICATIONS) | 850-242-9087 |
| SOUTHERN LIGHT (COMMUNICATIONS) | 251-662-1170 |
- PRIOR TO ANY SCHEDULED INTERRUPTION OF UTILITY SERVICE, THE CONTRACTOR SHALL COORDINATE SUCH INTERRUPTION WITH THE UTILITY PROVIDER AND SHALL PROVIDE A MINIMUM 24-HOUR NOTICE TO THE AFFECTED PARTIES. IN THE CASE OF A WATER MAIN SHUT DOWN, A MINIMUM 24-HOUR NOTICE ALSO SHALL BE PROVIDED TO THE TALLAHASSEE FIRE DEPARTMENT. THE CONTRACTOR SHALL NOTIFY THE ELECTRIC UTILITY A MINIMUM OF TWO WEEKS PRIOR TO CONSTRUCTION IN THE VICINITY OF THEIR FACILITIES.
 - THE CONTRACTOR SHALL NOTIFY THE GAS UTILITY (850-891-5100) A MINIMUM OF TWO WORKING DAYS PRIOR TO ANY EXCAVATION IN THE VICINITY OF GAS MAINS, AS REQUIRED BY CHAPTER 77-153 OF THE FLORIDA STATUTES. A GAS DEPARTMENT INSPECTOR WILL BE ON SITE WHEN WORK ACTIVITIES TAKE PLACE NEAR GAS MAINS. A MINIMUM OF 72 HOURS NOTICE SHALL BE PROVIDED FOR ANY REQUEST FOR GAS MAIN EXPOSURE OR ADJUSTMENT.
 - ALL UTILITIES IN CONFLICT WITH CONSTRUCTION ARE TO BE ADJUSTED OR RELOCATED BY OTHERS UNLESS NOTED OTHERWISE ON THE DRAWINGS OR DIRECTED BY THE ENGINEER.
 - WHERE THE REQUIRED MINIMUM SEPARATION BETWEEN UTILITIES IS SPECIFIED, THE DISTANCE SHALL BE MEASURED FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
 - LIMITS OF CONSTRUCTION ARE DEFINED IN THE PLANS AND CONSIST OF ROADWAY RIGHTS-OF-WAY, CITY OF TALLAHASSEE PROPERTIES, DRAINAGE RIGHTS-OF-WAY, PERMANENT DRAINAGE AND/OR UTILITY EASEMENTS, AND TEMPORARY CONSTRUCTION EASEMENTS.
 - NO TRENCHES WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT.
 - ALL EXISTING DRAINAGE STRUCTURES AND PIPES, PAVEMENT, SIDEWALKS, CURBS, ETC., WITHIN THE LIMITS OF CONSTRUCTION ARE TO REMAIN UNLESS OTHERWISE NOTED ON THE DRAWINGS OR DIRECTED BY THE ENGINEER. ALL DRAINAGE STRUCTURES, PIPES, PAVEMENT, SIDEWALKS, CURBS, ETC., THAT ARE TO REMAIN THAT ARE DAMAGED DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR AND IF DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED WITH THE SAME TYPE AND MATERIAL AT NO COST TO THE CITY.
 - ALL STORM MANHOLES OR STRUCTURES DESIGNATED TO BE ABANDONED IN PLACE SHALL BE REMOVED TO A MINIMUM OF THREE FEET BELOW GRADE AND FILLED WITH COMPACTED SAND.
 - EXISTING CONCRETE AND ASPHALTIC CONCRETE DRIVEWAYS AND SIDEWALKS SHALL BE SAW-CUT AS REQUIRED FOR CONSTRUCTION.
 - ALL SIDEWALKS AND CURB RAMPS REMOVED DURING CONSTRUCTION SHALL BE RECONSTRUCTED TO MEET CURRENT ADA STANDARDS.
 - THE CONTRACTOR SHALL PUT FORTH EVERY REASONABLE EFFORT TO MINIMIZE DISRUPTION AND DISTURBANCE OF ADJACENT PROPERTIES. ACCESS BY PROPERTY OWNERS AND RESIDENTS TO THEIR PROPERTY SHALL BE MAINTAINED AT ALL TIMES, AND ANY BARRICADING OF ACCESS MUST BE COORDINATED WITH THE AFFECTED PROPERTY OWNERS AND RESIDENTS.
 - ALL FENCES IN CONFLICT WITH CONSTRUCTION SHALL BE REMOVED AND REPLACED IN THEIR ORIGINAL LOCATIONS OR IN OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. THE CONTRACTOR MAY, AT HIS OPTION, USE NEW FENCING MATERIAL OF THE SAME TYPE THAT WAS REMOVED OR REUSE THE FENCING MATERIAL THAT WAS REMOVED IF IT IS UNDAMAGED BY CONSTRUCTION ACTIVITIES. ALL FENCES DAMAGED BY CONSTRUCTION ACTIVITIES ARE TO BE REPLACED WITH NEW FENCING MATERIAL OF THE SAME TYPE THAT WAS REMOVED.
 - THE CONTRACTOR SHALL EXERCISE DUE CARE IN THE REMOVAL OF EXISTING FENCES TO MAINTAIN SECURITY AT THE AFFECTED PROPERTIES AND TO ENSURE THE SAFETY OF PETS, ANIMALS AND CHILDREN. IF IN THE OPINION OF THE ENGINEER, REMOVAL OF A FENCE WILL RESULT IN AN UNACCEPTABLE REDUCTION IN SECURITY OR SAFETY, THE CONTRACTOR SHALL INSTALL A TEMPORARY FENCE AS DIRECTED BY THE ENGINEER

- PRIOR TO REMOVAL OF THE EXISTING FENCE. THE TEMPORARY FENCE SHALL REMAIN IN PLACE UNTIL THE PERMANENT FENCE IS INSTALLED.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND LANDSCAPING ON ADJACENT PROPERTIES, AND WILL BE SOLELY LIABLE FOR DAMAGE TO VEGETATION ON PROPERTIES ADJACENT TO CONSTRUCTION WORK ZONES. ALL TREES WITHIN THE LIMITS OF CONSTRUCTION THAT ARE NOT IDENTIFIED ON THE PLANS TO BE REMOVED SHALL BE PROTECTED TO THE MAXIMUM EXTENT PRACTICABLE. TREE PROTECTION BARRICADES SHALL BE INSTALLED AND MAINTAINED AROUND ALL TREES THAT ARE TO BE PROTECTED AS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER.
 - THE CONTRACTOR SHALL NOT DISTURB GRASSING OR LANDSCAPING OUTSIDE CONSTRUCTION WORK ZONES. THE CONTRACTOR SHALL BE SOLELY LIABLE FOR DAMAGE TO VEGETATION OUTSIDE CONSTRUCTION WORK ZONES AND SHALL RESTORE AT NO COST TO THE CITY ANY AREAS THAT ARE DAMAGED INCLUDING AREAS WITHIN THE LIMITS OF CONSTRUCTION OR ON ADJACENT PROPERTIES USING, TO THE EXTENT PRACTICABLE, THE SAME TYPES AND SIZES OF PLANT MATERIAL THAT EXISTED PRIOR TO CONSTRUCTION.
 - THE LOCATION AND CONSTRUCTION OF MAILBOXES SHALL BE IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE UNITED STATES POSTAL SERVICE. WHEN A MAILBOX IN CONFLICT WITH CONSTRUCTION IS REMOVED, THE CONTRACTOR SHALL FURNISH AND INSTALL A TEMPORARY MAILBOX AND SHALL MAINTAIN THE TEMPORARY MAILBOX UNTIL A NEW MAILBOX IS INSTALLED. THE CONTRACTOR SHALL CONSTRUCT A NEW MAILBOX TO MATCH, AS CLOSE AS PRACTICABLE, THE LOCATION, TYPE, SIZE, MATERIAL, AND COLOR OF THE ORIGINAL MAILBOX. IN LIEU OF CONSTRUCTING A NEW MAILBOX, THE EXISTING MAILBOX MAY BE REUSED IF IT MEETS THE RULES AND REGULATIONS OF THE UNITED STATES POSTAL SERVICE AND IS FUNCTIONALLY SOUND.
 - DISTURBED AREAS SHALL BE COMPACTED (AT A MINIMUM) EQUAL TO ADJACENT UNDISTURBED GROUND EXCEPT WHEN OTHERWISE SPECIFIED.
 - PROPERTIES ADJACENT TO WORK ZONES SHALL BE GRADED TO DRAIN WITHIN THE LIMITS OF CONSTRUCTION.
 - ALL DISTURBED AREAS WITHIN CONSTRUCTION WORK ZONES ARE TO BE GRASSED EXCEPT FOR AREAS THAT ARE LANDSCAPED, PAVED, OR BELOW NORMAL WATER LEVEL. EXISTING GRASSED AREAS SHALL BE REPLANTED WITH SOD OF THE SAME GRASS TYPE AS EXISTING, UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER. CENTIPEDE SOD WILL BE USED FOR DISTURBED AREAS NOT CURRENTLY GRASSED. REINFORCEMENT MAT SHALL BE INSTALLED BENEATH SOD PLACED ON SLOPES OF 2H:1V OR STEEPER, AND THE SOD SHALL BE STAPLED. COSTS FOR REINFORCEMENT MAT, STAPLING, FERTILIZING, AND WATERING SHALL BE INCLUDED IN THE UNIT PRICE OF THE PAY ITEM FOR PERFORMANCE TURF.
 - PRIOR TO REQUESTING A FINAL INSPECTION, THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ENGINEER FOUR COMPLETE SETS OF CERTIFIED AS-BUILT RECORD DRAWINGS AND TWO COPIES OF THE DIGITAL FILES ON CD-ROM DISKS.

SUPPLEMENTAL GENERAL NOTES:

- CITY OF TALLAHASSEE SURVEYING PROVIDED THE TOPOGRAPHY, BENCHMARKS, RIGHTS-OF-WAY AND UTILITY LOCATION INFORMATION SHOWN ON THE CONSTRUCTION DRAWINGS. ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL VALVE BOXES ON GAS AND WATER MAINS WITHIN THE LIMITS OF CONSTRUCTION THAT ARE TO REMAIN IN SERVICE. PRIOR TO COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL ADJUST ALL VALVE BOXES WITHIN CONSTRUCTION AREAS SO THE TOPS ARE FLUSH WITH FINISHED PAVEMENT OR WITH FINISHED GRADE IN UNPAVED AREAS.
- ALL PUMPS USED FOR DEWATERING AND BYPASS PUMPING WILL BE SCREENED FROM RESIDENTIAL VIEW AND ENCLOSED TO REDUCE NOISE DURING OPERATION. AT NO TIME SHALL PUMPS BE PLACED WITHIN A RESIDENTIAL YARD OR 50 FEET OF A HOME WITHOUT APPROVAL FROM THE CITY. PAYMENT FOR SCREENING AND ENCLOSURE SHALL BE INCLUDED IN THE COST FOR CLEARING AND GRUBBING.

SUPPLEMENTAL GENERAL NOTES - STORMWATER CONSTRUCTION:

- ALL NEW OR REPLACEMENT STORM DRAINS OR CULVERTS SHALL BE CLASS III STEEL REINFORCED CONCRETE PIPE IN ACCORDANCE WITH STANDARD SPECIFICATION 449-4 OR FDOT APPROVED POLYPROPYLENE PIPE UNLESS NOTED OTHERWISE ON THE DRAWINGS. WHEN THE PLANS DESIGNATE A TYPE OF PIPE, THE CONTRACTOR MAY USE ONLY THE TYPE DESIGNATED. THE CONTRACTOR SHALL NOT USE A TYPE OF PIPE NOT

- DESIGNATED ON THE DRAWINGS WITHOUT WRITTEN APPROVAL FROM THE ENGINEER. ALL PIPES SHALL BE CUT FLUSH WITH INSIDE OF DRAINAGE STRUCTURE.
- ALL REINFORCED CONCRETE PIPE SHALL BE INSTALLED USING SELECT BEDDING MATERIAL TO PROVIDE A FOUR-INCH MINIMUM DEPTH FOUNDATION BENEATH THE BARREL OF THE PIPE AND FOR BACKFILL UP TO THE SPRINGLINE (CENTER) OF THE PIPE. BACKFILL AROUND POLYPROPYLENE PIPE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
 - ALL JOINTS OF CONCRETE PIPES, CULVERTS, AND STORM SEWERS SHALL HAVE A FILTER FABRIC JACKET AS DETAILED ON STANDARD INDEX NO. 280, UNLESS NOTED OTHERWISE ON THE DRAWINGS OR DIRECTED BY THE ENGINEER.
 - ALL PIPE CULVERTS AND STORM SEWERS 48-INCHES OR LESS IN DIAMETER SHALL BE VIDEO TAPED IN ACCORDANCE WITH SECTION 430-4.8 OF THE STANDARD SPECIFICATIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
 - ALL CURB INLETS, DITCH BOTTOM INLETS, AND MANHOLES SHALL HAVE TRAFFIC BEARING FRAMES AND COVERS OR GRATES MEETING HS-20 LOADING REQUIREMENTS UNLESS OTHERWISE SHOWN ON THE PLANS.
 - ALL STORM DRAIN COVERS SHALL BE TYPE USF TJ (U.S. FOUNDRY NO. 8017195), NPR15-728 (EJ GROUP COVER NO. 3062A2), OR APPROVED EQUAL.
 - ALL TYPE J STRUCTURE BOTTOMS SHALL HAVE A MINIMUM 6'-0" WALL HEIGHT WHEN POSSIBLE.
 - ALL GRATES SHALL BE CHAINED AND LOCKED IN ACCORDANCE WITH STANDARD INDEX NO. 201. COST OF EYEBOLTS AND CHAIN SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STRUCTURES.
 - UTILITIES IN CONFLICT WITH THE INSTALLATION OF A NEW STORM DRAIN ARE TO BE ADJUSTED OR RELOCATED TO ELIMINATE THE CONFLICT. IF THE CONFLICT CANNOT BE REASONABLY AVOIDED, A CONFLICT STRUCTURE WITH ACCESS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD INDEX NO. 307 WITH THE EXCEPTION THAT FOR UTILITY CONFLICT CONDITION II (PRESSURE OR FLUID CARRIER INSTALLATIONS), A CARRIER PIPE IS NOT REQUIRED IF DUCTILE IRON PIPE IS USED FOR THE UTILITY AND NO PIPE JOINTS ARE LOCATED WITHIN THE CONFLICT STRUCTURE. "NOTCHING" OF A STORM DRAIN PIPE OR STRUCTURE TO ACCOMMODATE A UTILITY SHALL NOT BE ALLOWED. NO UTILITY SHALL BE INSTALLED THROUGH ANY PORTION OF A STORM DRAIN PIPE WITHOUT A CONFLICT STRUCTURE.
 - THE CONTRACTOR SHALL EXERCISE CAUTION WHILE REMOVING EXISTING LANDSCAPING, FENCES, DECORATIVE WALLS, AND OTHER OWNER-INSTALLED IMPROVEMENTS WITHIN THE LIMITS OF CONSTRUCTION. THE CONTRACTOR SHALL STOCKPILE THE REMOVED MATERIALS IN A NEAT AND ORDERLY MANNER AT A LOCATION AGREEABLE TO THE PROPERTY OWNER.

User: Lane S:\Projects\DOT Stormwater\Breckenridge.dwg\FINAL\2009\General Notes.dwg 07/10/2019 03:11:46 PM

<p>ENGINEER OF RECORD LANE P. LUCAS P.E. Eutaw, Inc. 2822 Remington Green Circle Tallahassee, FL 32308 P.E. NO. 63936</p>	<p>ORIGINAL REVISIONS: 1 _____ 2 _____ 3 _____ 4 _____ 5 _____</p>	<p>DATE _____</p>	<p>SIGNATURE _____</p>
<p>SHEET</p>			
<p>PROJECT</p>			
<p>BRECKENRIDGE ON PARK DRAINAGE IMPROVEMENTS</p>			
<p>GENERAL NOTES</p>			
<p>Eutaw, Inc. Engineering Utilities, Transportation, and Water 2822 Remington Green Cir., Suite 202 Tallahassee, Florida 32308 Phone: (850) 383-0400 www.eutawinc.com Certificate of Authorization #9961</p>			
<p>JOB NO. _____ DRAWN _____ DESIGNED _____ CHECKED _____ QC _____</p>			
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GENERAL PAY ITEM NOTES:

- NO SEPARATE PAYMENT WILL BE MADE FOR DEWATERING. THE COSTS FOR DEWATERING SHALL BE INCLUDED IN THE UNIT PRICES FOR ANY ITEMS REQUIRING DEWATERING.
- NO SEPARATE PAYMENT WILL BE MADE FOR FILTER FABRIC. THE COSTS FOR FILTER FABRIC SHALL BE INCLUDED IN THE UNIT PRICES FOR ANY ITEMS REQUIRING FILTER FABRIC.
- NO SEPARATE PAYMENT WILL BE MADE FOR VIDEO TAPING PIPE CULVERTS. THE COSTS FOR VIDEO TAPING ARE INCLUDED IN THE UNIT PRICES FOR PIPE CULVERT.
- ADDITIONAL QUANTITIES OF EROSION CONTROL AND/OR TREE PROTECTION ITEMS MAY BE NECESSARY AS DETERMINED DURING CONSTRUCTION BY THE CONTRACTOR, THE ENVIRONMENTAL INSPECTOR, OR BY THE ENGINEER AND MUST BE APPROVED BY THE ENGINEER.
- UNIT PRICES FOR PIPES, CULVERTS, SEWER PIPE AND WATER MAIN INCLUDE THE COSTS FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVAL OF 1.5 INCH MINIMUM THICKNESS OF ASPHALT PAVEMENT MILLINGS OR FINE TYPE SP ASPHALTIC CONCRETE AT THE GROUND SURFACE OF ALL PIPE AND BOX CULVERT TRENCHES IN PAVED AREAS FOR THE PURPOSE OF SEDIMENT AND EROSION CONTROL UNTIL THE FINAL PAVEMENT IS PLACED.

STORMWATER PAY ITEM NOTES:

101-1: MOBILIZATION
THE UNIT PRICE ALSO INCLUDES ALL COSTS FOR PREPARATION OF AN APPROVED CONSTRUCTION PROGRESS SCHEDULE, AN APPROVED EROSION CONTROL PLAN, AN APPROVED TRAFFIC CONTROL PLAN, AN APPROVED DEWATERING PLAN, THE PRECONSTRUCTION SURVEY, PREPARING AND SUBMITTING APPROVED SHOP DRAWINGS, AND FURNISHING, INSTALLING, AND REMOVING THE PROJECT SIGNS. THE UNIT PRICE ALSO INCLUDES THE COST OF ARBORIST MITIGATION AS DETAILED IN THE PLANS (SEE TREE PROTECTION AND EROSION CONTROL SHEETS)

102-1: MAINTENANCE OF TRAFFIC
THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL LABOR AND MATERIALS REQUIRED TO IMPLEMENT THE APPROVED TRAFFIC CONTROL PLAN TO SAFELY MAINTAIN TRAFFIC AROUND OR THROUGH THE WORK ZONE NOT INCLUDED FOR PAYMENT UNDER OTHER RELATED PAY ITEMS, INCLUDING WARNING AND REGULATORY SIGNS, MESSAGE BOARDS, DRUMS, BARRICADES, CHANNELIZING DEVICES, TEMPORARY CONCRETE BARRIER, WARNING LIGHTS, FLAGGERS, BUSINESS ENTRANCE SIGNS, MAINTENANCE OF EXISTING DRIVEWAYS, TEMPORARY PAVEMENT, AND REMOVAL AND REINSTALLATION OF EXISTING SIGNS IN CONFLICT WITH CONSTRUCTION AS DIRECTED BY THE ENGINEER. NO ADJUSTMENTS WILL BE MADE TO THE CONTRACT PRICE FOR INCREASES IN CONTRACT TIME. THE UNIT PRICE ALSO INCLUDES THE COST OF WET WEATHER DRIVING SURFACES FOR THE DURATION OF THE PROJECT AND DUST CONTROL AS NEEDED AT ALL OTHER TIMES.

102-70: TEMPORARY BARRICADE FENCE (ORANGE)
THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL LABOR AND MATERIALS NECESSARY FOR THE INSTALLATION, MAINTENANCE, AND REMOVAL OF TEMPORARY BARRICADE FENCE. THIS ITEM IS TO BE USED FOR PEDESTRIAN SAFETY, TREE PROTECTION, OR AS DIRECTED BY THE ENGINEER.

104-14: STORMWATER POLLUTION PREVENTION
THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL LABOR AND MATERIALS NECESSARY FOR THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL DEVICES AS REQUIRED TO PREVENT THE OFF-SITE TRANSPORT OF SEDIMENT, INCLUDING SEDIMENT BARRIERS, SEDIMENT BASINS, AND CONTAINMENT SYSTEMS AS SHOWN ON THE PLANS AND/OR DESCRIBED IN THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL. THE PRICE ALSO INCLUDES THE PERIODIC REMOVAL AND DISPOSAL OF ACCUMULATED SEDIMENT, AND REMOVAL AND DISPOSAL OFF-SITE OF EROSION AND SEDIMENT CONTROL MATERIALS, INCLUDING ROCK AND RUBBLE RIPRAP, AT COMPLETION OF CONSTRUCTION, FURNISHING AND PLACING SUITABLE MATERIAL AS REQUIRED TO FILL SEDIMENT SUMPS, ANY PERMITS AND FEES REQUIRED FOR OFF-SITE DISPOSAL, AND TURBIDITY MONITORING IN COMPLIANCE WITH THE ENVIRONMENTAL PERMITS.

110-1-1: CLEARING AND GRUBBING
THE UNIT PRICE ALSO INCLUDES REMOVAL AND DISPOSAL OF TREES, ASPHALT, BASE, SUB-BASE, CURBS, SIDEWALKS, DRIVEWAYS, DRAINAGE STRUCTURES, PIPES, FENCES, SANITARY SEWER PIPES & STRUCTURES, AND ALL OTHER STRUCTURES AND OBSTRUCTIONS NECESSARY TO BE REMOVED AND FOR WHICH OTHER ITEMS OF THE CONTRACT DO NOT SPECIFY THE REMOVAL THEREOF. PARTIAL PAYMENTS WILL BE BASED UPON THE ESTIMATED TOTAL VALUE OF WORK COMPLETED TO THE DATE OF THE ESTIMATE AS DETERMINED BY THE ENGINEER. ALL PARTIAL ESTIMATES AND PAYMENTS ARE SUBJECT TO CORRECTION IN SUBSEQUENT ESTIMATES AND PAYMENT. THE UNIT PRICE ALSO INCLUDES ALL COSTS FOR REMOVAL OF EXISTING FENCES AND RELOCATION OR REPLACEMENT WITH NEW FENCE OR WITH THE FENCING MATERIAL THAT WAS REMOVED IF IT IS UNDAMAGED, AND FOR THE RELOCATION OR REPLACEMENT OF MAILBOXES.

110-7-1: MAILBOX:
UNIT PRICE SHALL INCLUDE ALL COSTS TO MEET THE REQUIREMENTS OF THE GENERAL NOTES ON SHEET 3 (GENERAL NOTE 24) OF THE PLANS.

120-1 AND 120-6: REGULAR EXCAVATION AND EMBANKMENT
FINAL PAY QUANTITY WILL BE PLAN QUANTITY WITH NO CONSIDERATION FOR SPECIFICATION TOLERANCES. THE UNIT PRICE ALSO INCLUDES ALL COSTS FOR TURBIDITY MONITORING IN COMPLIANCE WITH THE ENVIRONMENTAL PERMITS.

334-1-12: SUPERPAVE ASPHALTIC CONCRETE (2" THICK)
THE UNIT PRICE SHALL INCLUDE THE ADJUSTMENT OF ALL EXISTING UTILITY FRAMES AND COVERS AND WALL WATER AND GAS VALVES WITHIN THE LIMITS OF CONSTRUCTION.

425-1-521, 425-1-523, 425-1-541 425-1-553: DITCH BOTTOM INLETS
UNLESS OTHERWISE NOTED IN THE PLANS, THE UNIT PRICES ALSO INCLUDE ALL COSTS FOR FURNISHING AND INSTALLING TRAFFIC BEARING GRATES MEETING HS-20 LOADING REQUIREMENTS. THE UNIT PRICES FOR DITCH BOTTOM INLETS WITH SLOTS ALSO INCLUDE ALL COSTS FOR FURNISHING AND INSTALLING 1 INCH DIAMETER POWDER COATED STEEL BARS CAST INTO THE STRUCTURES AS SHOWN IN THE PLANS. THE UNIT PRICE SHALL ALSO INCLUDE THE COST OF ALL MODIFIED TRAVERSABLE AND MODIFIED NON-TRAVERSABLE SLOTS.

425-2-61, 426-2-71, 425-2-91: MANHOLES AND JUNCTION BOXES
UNLESS OTHERWISE NOTED IN THE PLANS, THE UNIT PRICES ALSO INCLUDE ALL COSTS FOR FURNISHING AND INSTALLING TWO-PIECE COVERS AND FRAMES WITH 3'-0" OPENINGS WHEN THE DEPTH OF THE STRUCTURE EXCEEDS 6'-0".

430-175-118, -124, -136, -148, -230: PIPE CULVERT, CONCRETE
THE UNIT PRICES ALSO INCLUDE PAYMENT FOR SHEETING AND/OR SHORING, DEWATERING, FILTER FABRIC, FURNISHING, PLACING AND COMPACTING SELECT BEDDING MATERIAL, AND FURNISHING SELECT MATERIAL FOR BACKFILL WHEN SUITABLE MATERIAL IS NOT AVAILABLE ON SITE. UNIT PRICE ALSO INCLUDES THE COSTS OF REPLACEMENT OF ADJOINING FENCES IMPACTED BY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL COORDINATE WITH CITY ELECTRIC DEPARTMENT, CITY GAS DEPARTMENT, CITY WATER & SEWER DEPARTMENT, COMCAST CABLE, AND CENTURY LINK COMMUNICATIONS IN THE PROTECTION AND/OR RELOCATION OF THEIR FACILITIES. ALL COSTS ASSOCIATED WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE UNIT PRICE.

522-2: CONCRETE DRIVEWAY RECONSTRUCTION
THE UNIT PRICES CONSTITUTES FULL PAYMENT FOR REMOVAL OF EXISTING CONCRETE, EXCAVATION, GRADING, FURNISHING AND INSTALLING 6" CONCRETE PAVEMENT TO RESTORE CONCRETE DRIVEWAYS AT LOCATIONS SHOWN IN THE PLANS.

570-1-2: PERFORMANCE TURF, SOD, CENTIPEDE AND ST. AUGUSTINE
THE UNIT PRICES CONSTITUTE FULL COMPENSATION FOR ALL LABOR, MATERIALS, AND INCIDENTALS REQUIRED FOR ESTABLISHING A STAND OF GRASS BY SODDING IN ACCORDANCE WITH SECTION 570 OF THE STANDARD SPECIFICATIONS, INCLUDING FURNISHING AND PLACING SOD, PEGGING WHEN SPECIFIED IN THE PLANS, AND FURNISHING AND APPLYING FERTILIZER AND WATER. THE UNIT PRICES ALSO INCLUDE AND MAINTENANCE, INCLUDING LITTER REMOVAL AND MOWING UNTIL FINAL ACCEPTANCE.

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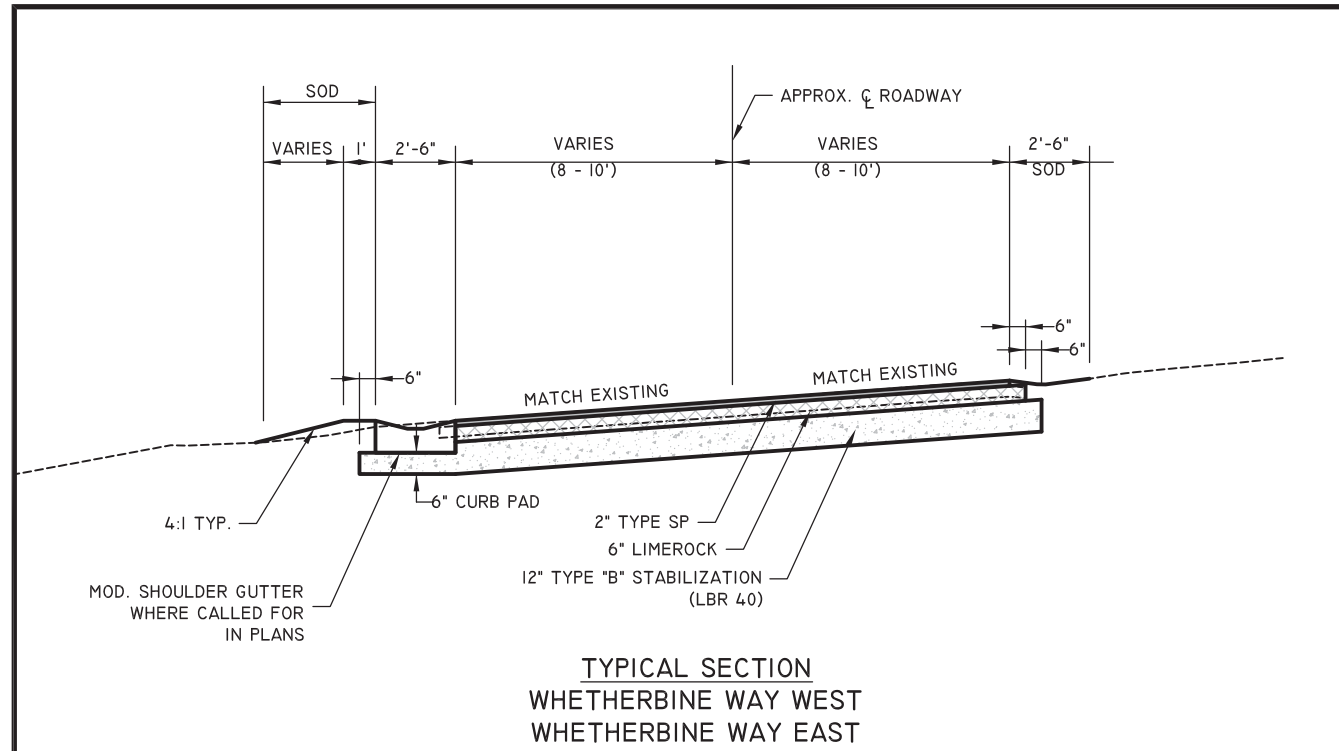
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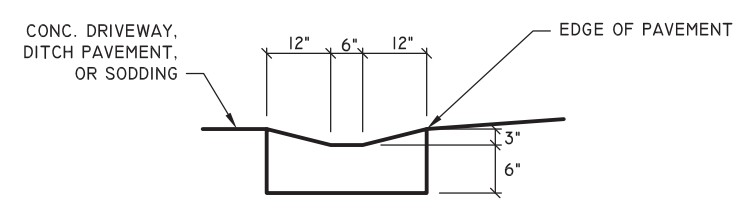
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BRECKENRIDGE ON PARK DRAINAGE IMPROVEMENTS

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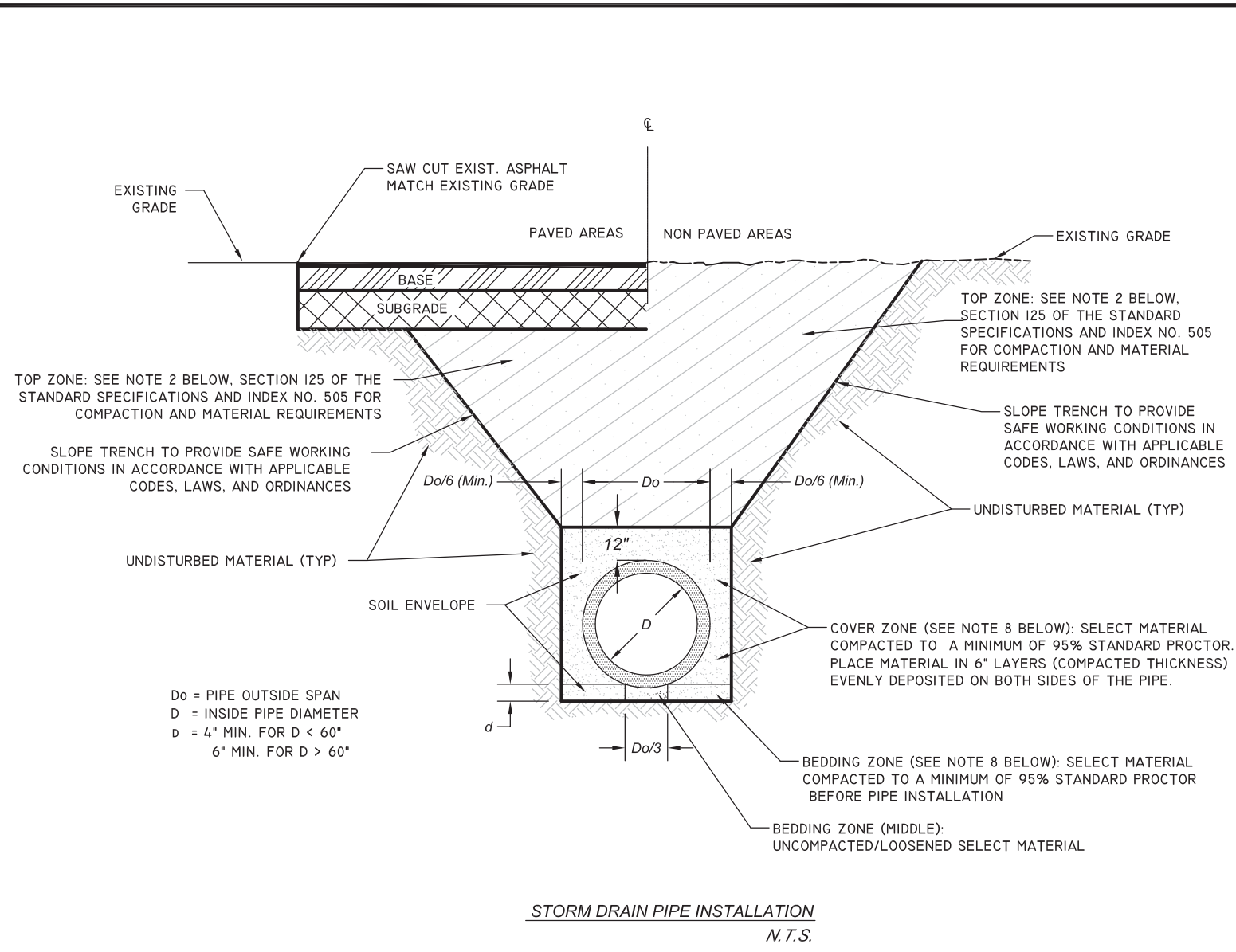


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WHETHERBINE WAY EAST



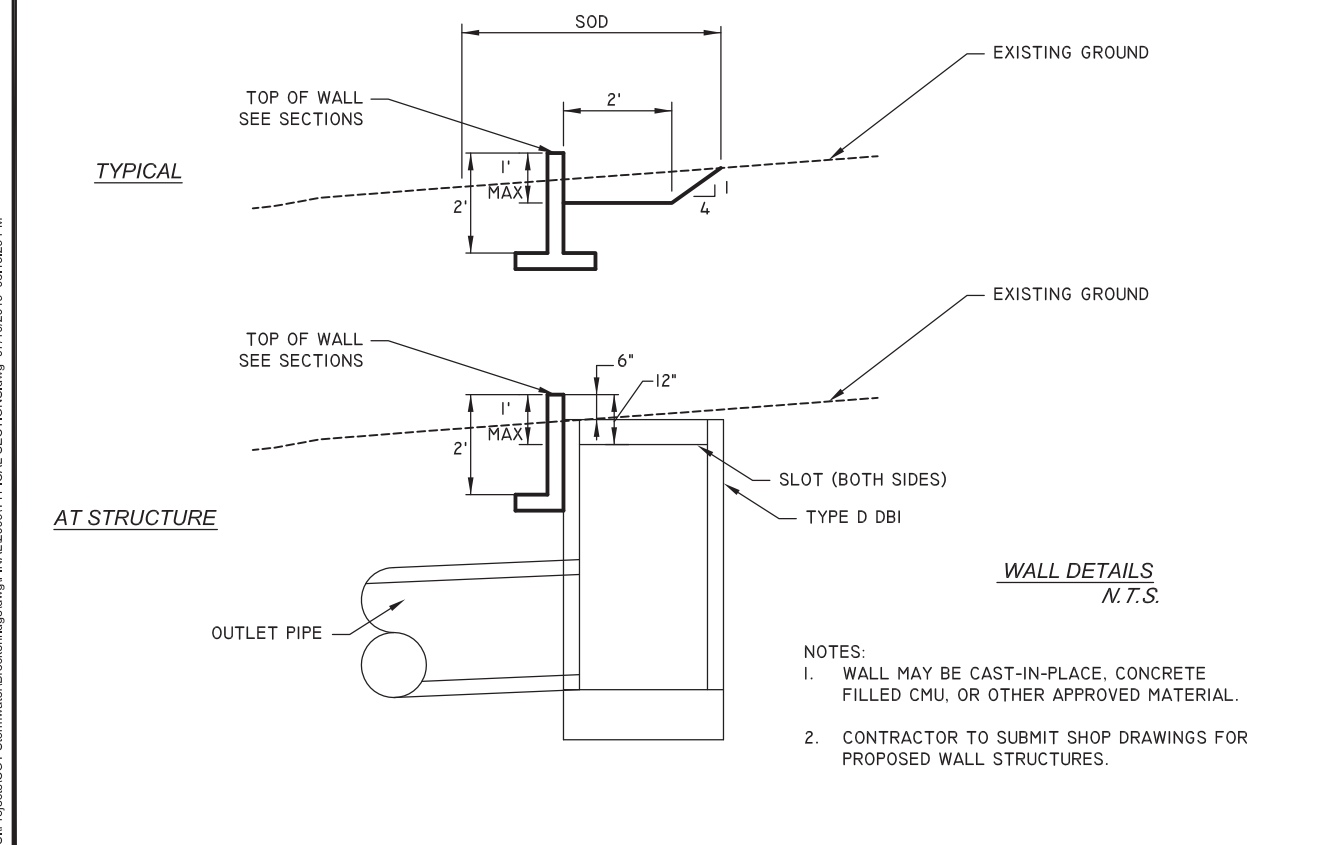
MOD. SHOULDER GUTTER
NTS

1. FOR ADDITIONAL DETAILS, SEE INDEX NO. 300.



NOTES:

1. THE SOIL ENVELOPE SHALL USE MATERIAL MEETING AASHTO CLASSIFICATION OF A-1 SAND, A-3, OR A-2-4. FOR REINFORCED CONCRETE PIPE WITH DIAMETERS 30-INCHES OR GREATER, THE CONTRACTOR MAY CHOOSE TO REDUCE THE COVER ZONE TO THE SPRINGLINE OF THE PIPE. COST FOR SELECT MATERIAL FOR THE SOIL ENVELOPE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICES ASSOCIATED WITH THIS WORK.
2. THE TOP ZONE SHALL USE MATERIAL AS DEFINED IN INDEX NO. 505. NO A-4 MATERIAL SHALL BE PLACED BELOW THE WATER LEVEL. IF PLACED BELOW THE WATER LEVEL, A-2-4 MATERIAL MUST BE NONPLASTIC AND CONTAIN LESS THAN 15% PASSING THE NO. 200 SEIVE. IN PAVED AREAS HIGH PLASTIC AND/OR MUCK MATERIALS WILL NOT BE ALLOWED AS BACKFILL. IN NON-PAVED AREAS MUCK MATERIAL WILL NOT BE ALLOWED AS BACKFILL, UNLESS SPECIFICALLY SHOWN OTHERWISE IN THE PLANS OR SPECIFICATIONS, (E.G., LITTORAL SHELVES AND WETLAND RESTORATION AREAS).
3. TRENCHES ARE TO BE EXCAVATED IN ACCORDANCE WITH SUBARTICLE 125-4.4 OF THE STANDARD SPECIFICATIONS.
4. IF THE TRENCH IS OVEREXCAVATED, BACKFILL AND RECOMPACT IN ACCORDANCE WITH SECTION 125-9.2.1. MUCK AND ORGANIC MATERIAL SHALL NOT BE ALLOWED AS BACKFILL IN OVEREXCAVATED AREAS.
5. HAND DIG FOR BELL JOINTS. BEARING FROM JOINT TO JOINT WILL NOT BE ALLOWED.
6. PIPES ARE TO BE INSTALLED IN DRY TRENCHES. OPEN TRENCH PUMPING FOR DEWATERING SHALL NOT BE ALLOWED WITHOUT PRIOR APPROVAL OF THE ENGINEER.
7. BACKFILL SHALL BE PLACED IN LIFTS THIN ENOUGH TO ALLOW COMPACTION TO BE ACHIEVED. LIFTS IN EXCESS OF TWELVE INCHES, MEASURED LOOSE, SHALL NOT BE ALLOWED.
8. IF THE PIPE IS BENEATH OR WITHIN 5-FEET OF ANY BUILDING, COMPACT TO 100% STANDARD PROCTOR. IF THE PIPE IS NEAR ANY STRUCTURE, COMPACT TO 100% STANDARD PROCTOR FOR A DISTANCE OF AT LEAST ONE PIPE DIAMETER, BUT NOT LESS THAN THREE FEET FROM THE OUTSIDE FACE OF THE STRUCTURE



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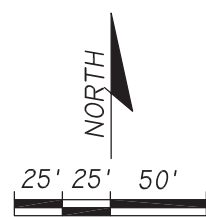
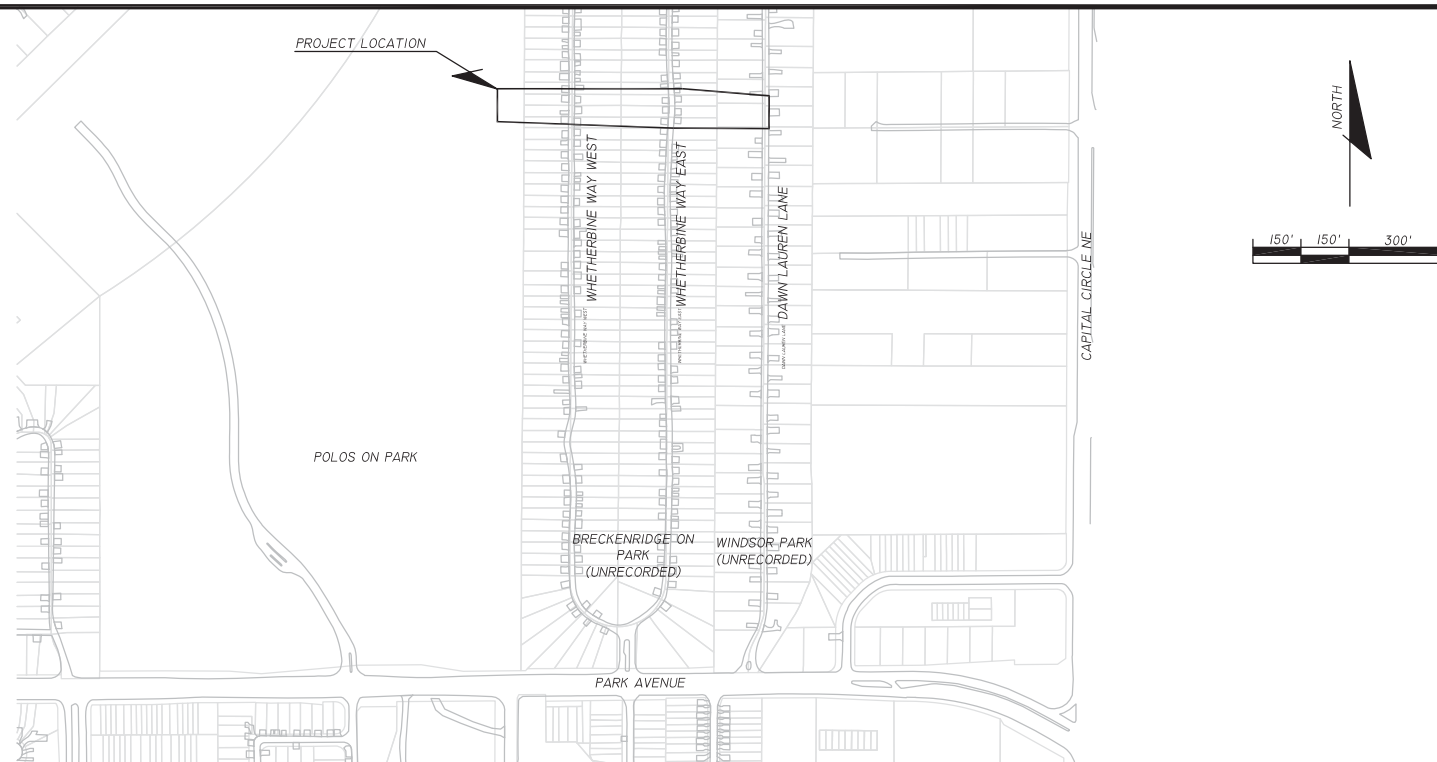
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BENCHMARKS:

#	STATION/OFFSET	DESC	ELEV
3	31+93.26 200.93' LT	PK NAIL & DISC	79.92
4	32+10.80 0.31' RT	COT NAIL & DISC	84.15

PROJECT LAYOUT NOTES:

1. ELEVATIONS ARE BASED ON N.A.V.D. 1988 VERTICAL DATUM (TLC I 3I INIEI)

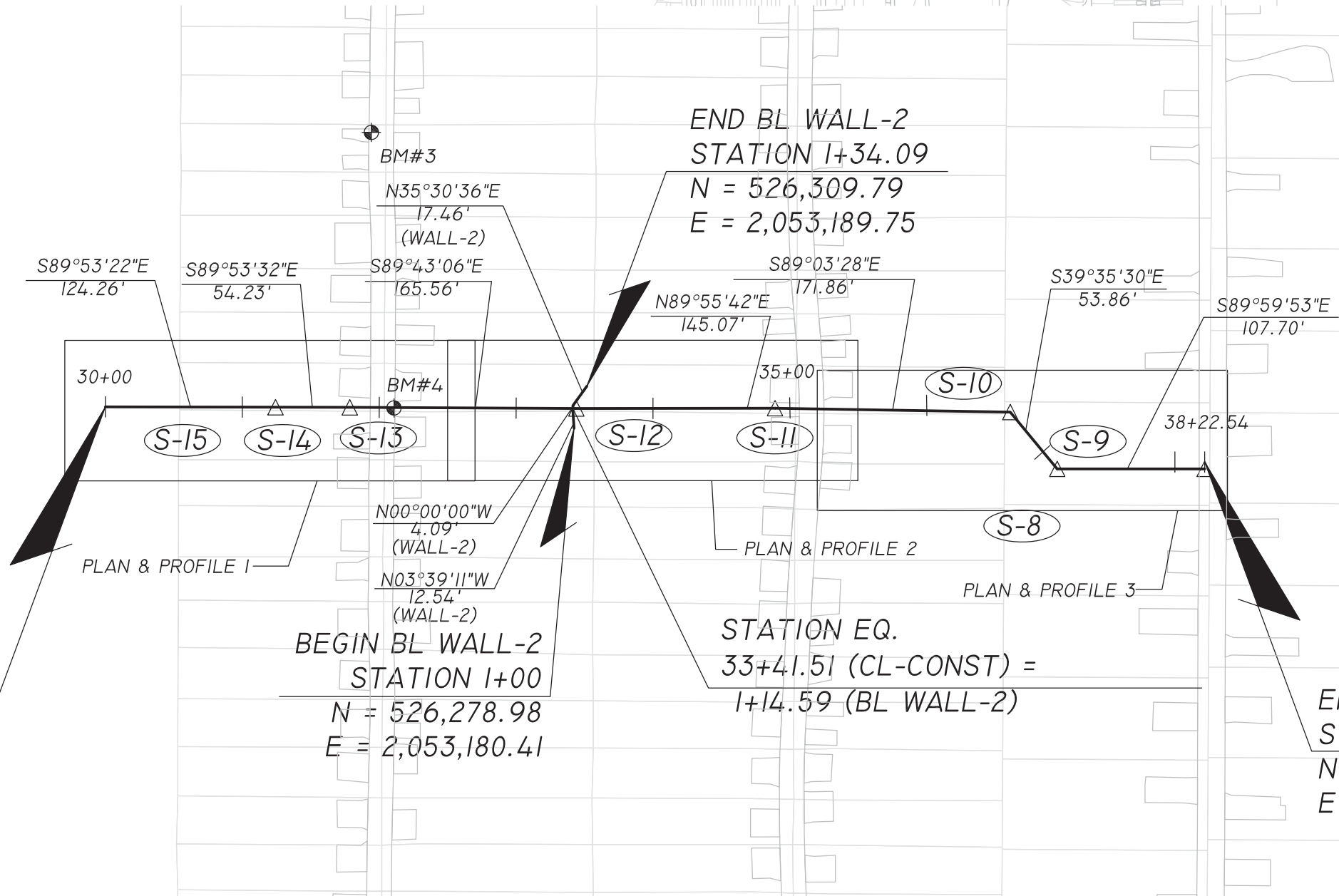


BEGIN CL-CONST
STATION 30+00
N = 526,294.69
E = 2,052,838.10

BEGIN BL WALL-2
STATION 1+00
N = 526,278.98
E = 2,053,180.41

STATION EQ.
33+41.51 (CL-CONST) =
1+14.59 (BL WALL-2)

END CL-CONST
STATION 38+22.54
N = 526,249.39
E = 2,053,641.09



END BL WALL-2
STATION 1+34.09
N = 526,309.79
E = 2,053,189.75

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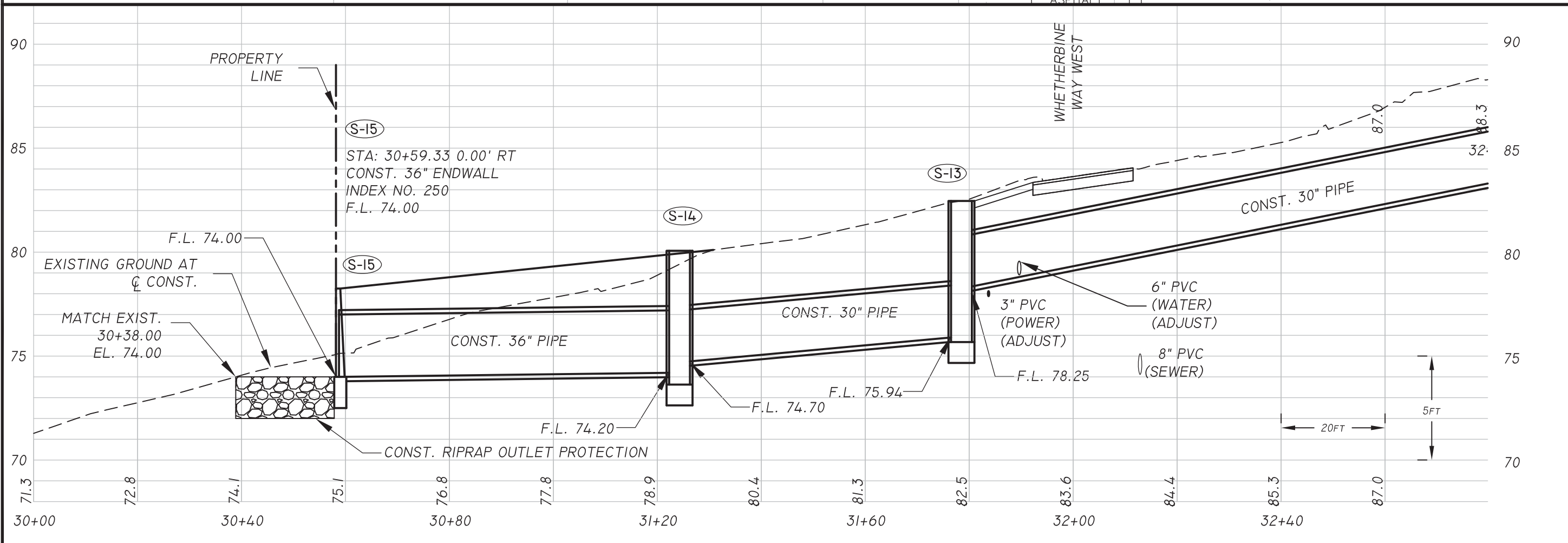
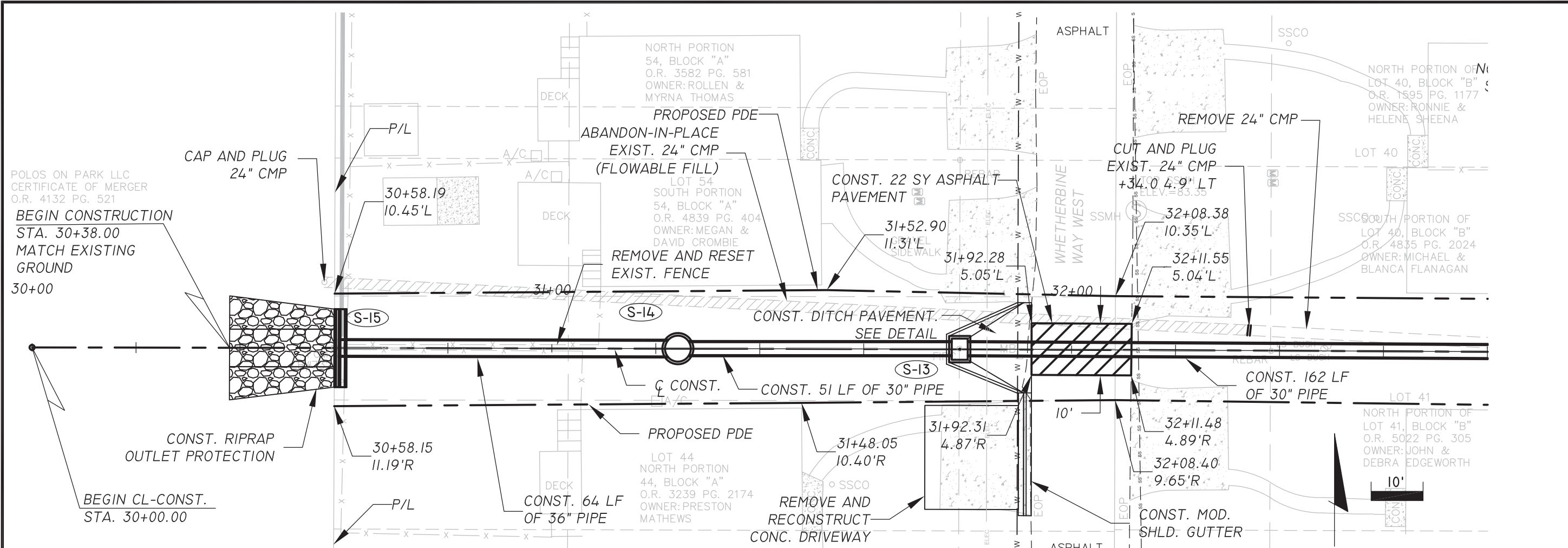
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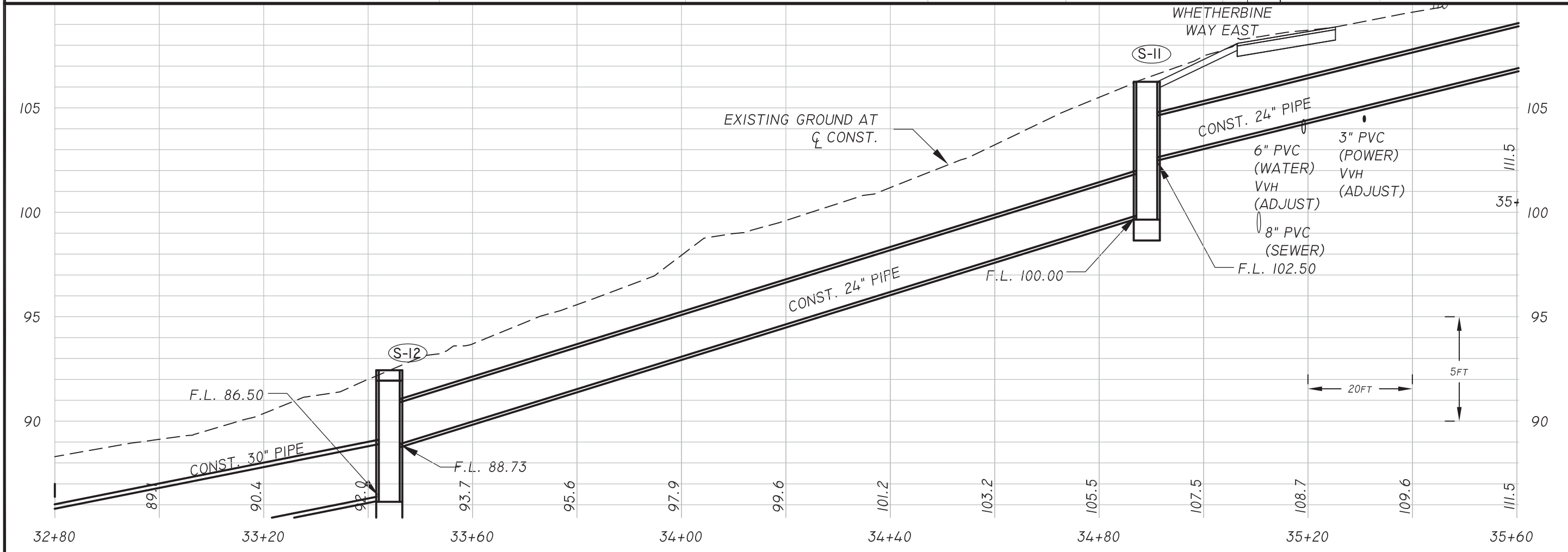
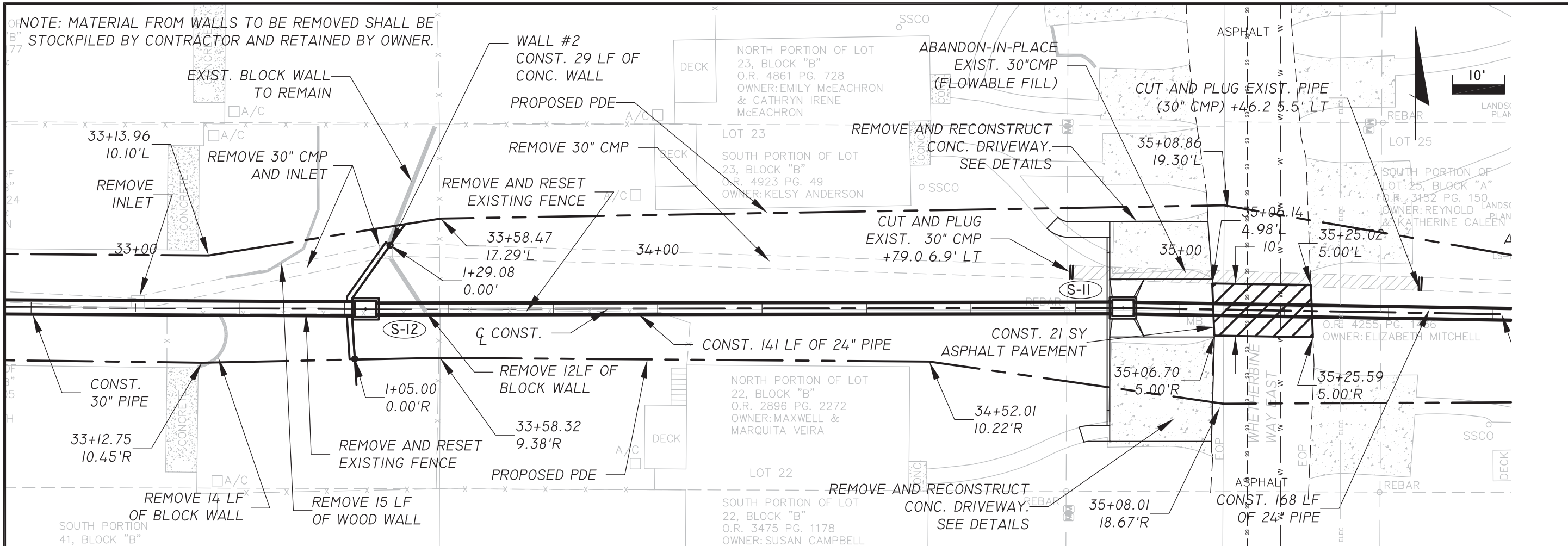
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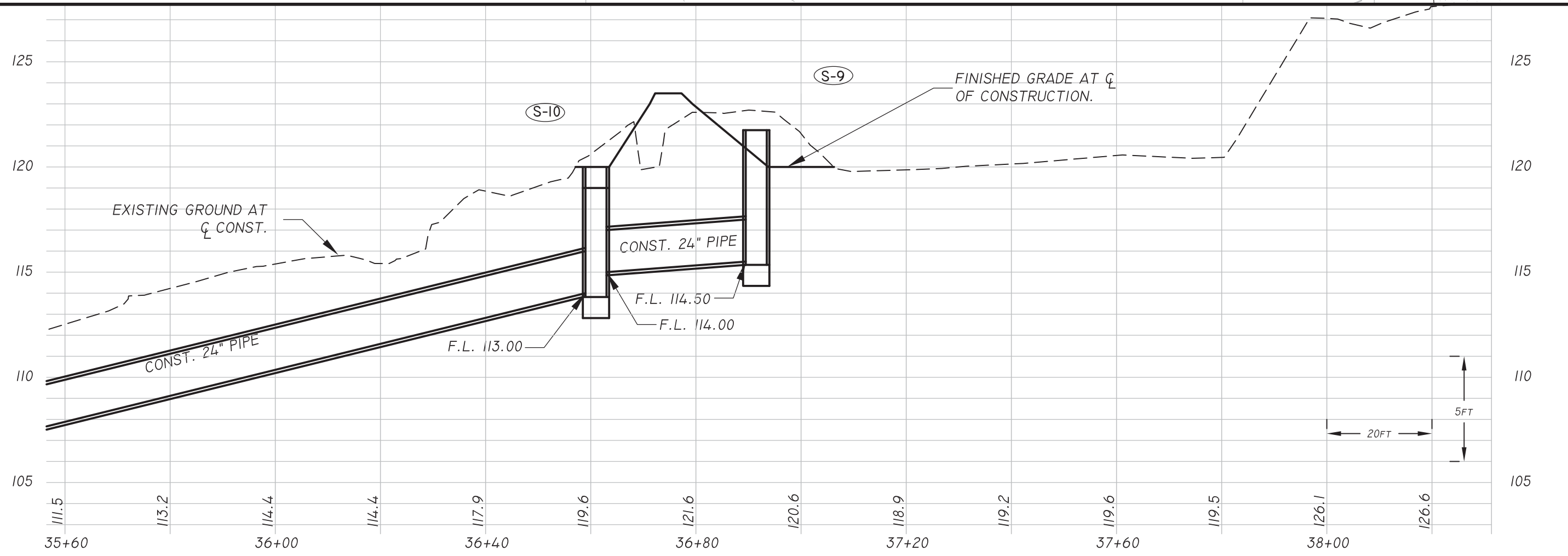
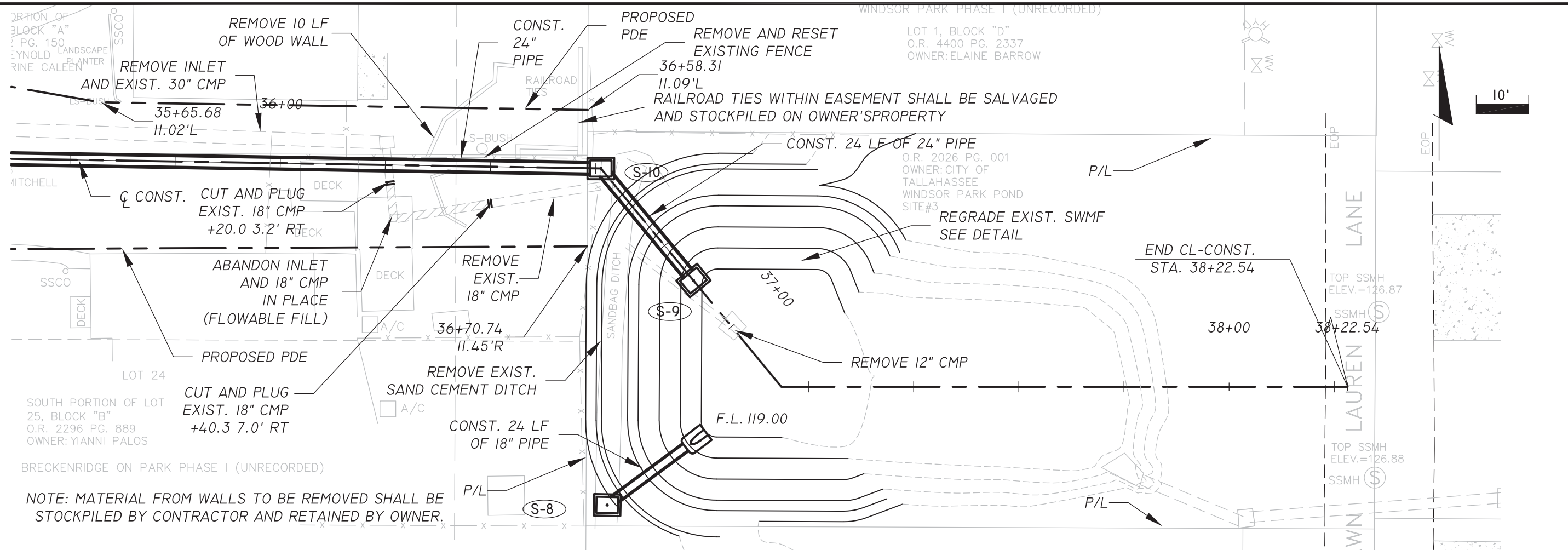
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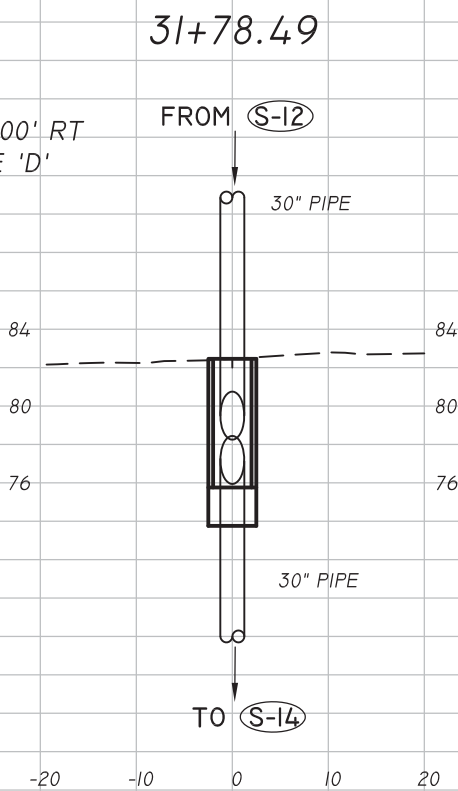
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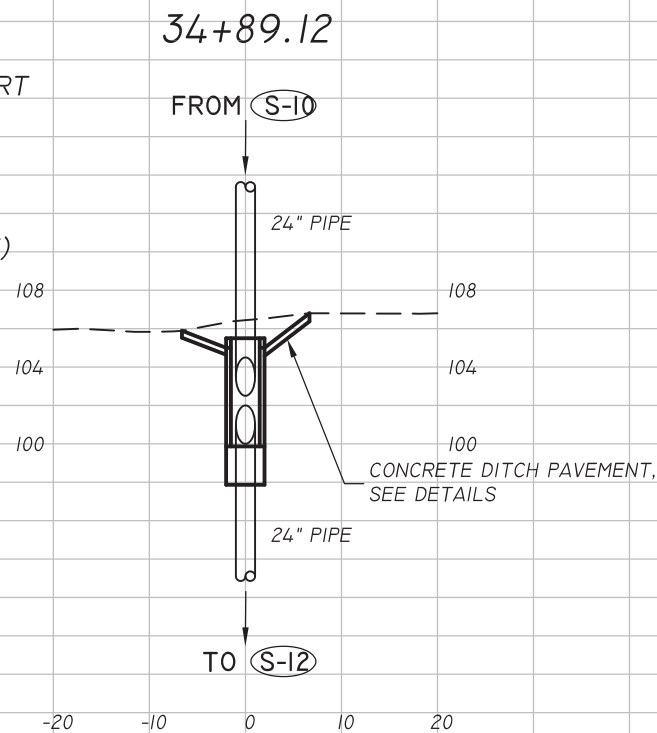
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CONST. DBI TYPE 'D'
WITH SLOT
INDEX NO. 232
GRATE: 82.46
SLOT: 81.96 (AH)
F.L. 78.25 (AH)
F.L. 75.94 (BK)

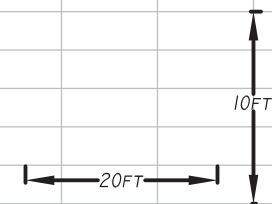


(S-11)

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F.L. 102.50 (AH)
F.L. 100.00 (BK)

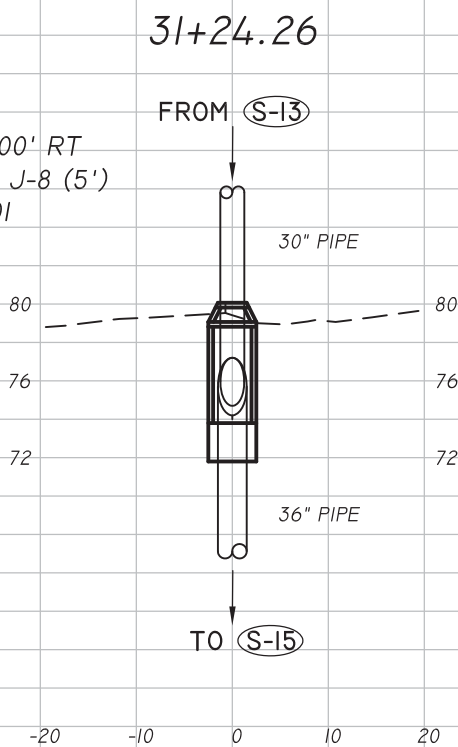


DRAINAGE STRUCTURE NOTES:
1. ALTHOUGH THE ELEVATIONS OF THE TOPS OF DRAINAGE STRUCTURES ARE BASED ON THE BEST AVAILABLE INFORMATION, THEY MAY NOT MATCH FIELD CONDITIONS. INLET TOPS SHOULD BE SET TO THE ELEVATIONS OF ADJACENT CURBS. MANHOLE TOPS SHOULD BE SET TO MATCH THE FINISHED GROUND OR PAVEMENT ELEVATIONS.



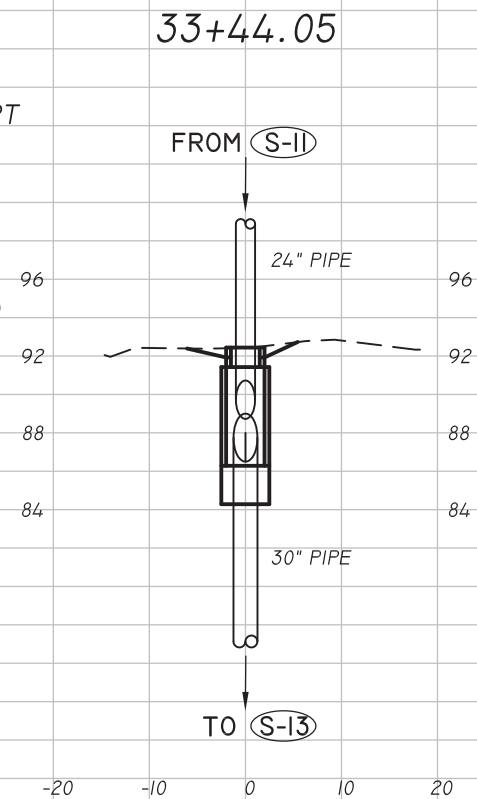
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RIM: 80.07
F.L. 74.70 (AH)
F.L. 74.20 (BK)



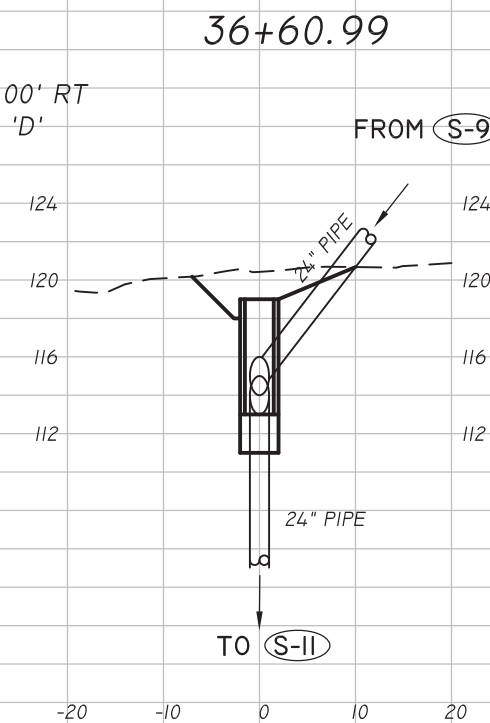
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(J-BOTTOM, 5'X4')
WITH SLOT
INDEX NO. 232
GRATE: 92.44
SLOT: 91.94 (LT & RT)
F.L. 88.73 (AH)
F.L. 86.50 (BK)



(S-10)

STA: 36+60.99 0.00' RT
CONST. DBI TYPE 'D'
WITH SLOT
INDEX NO. 232
GRATE: 119.00
SLOT: 118.00 (LT)
F.L. 114.00 (RT)
F.L. 113.00 (BK)



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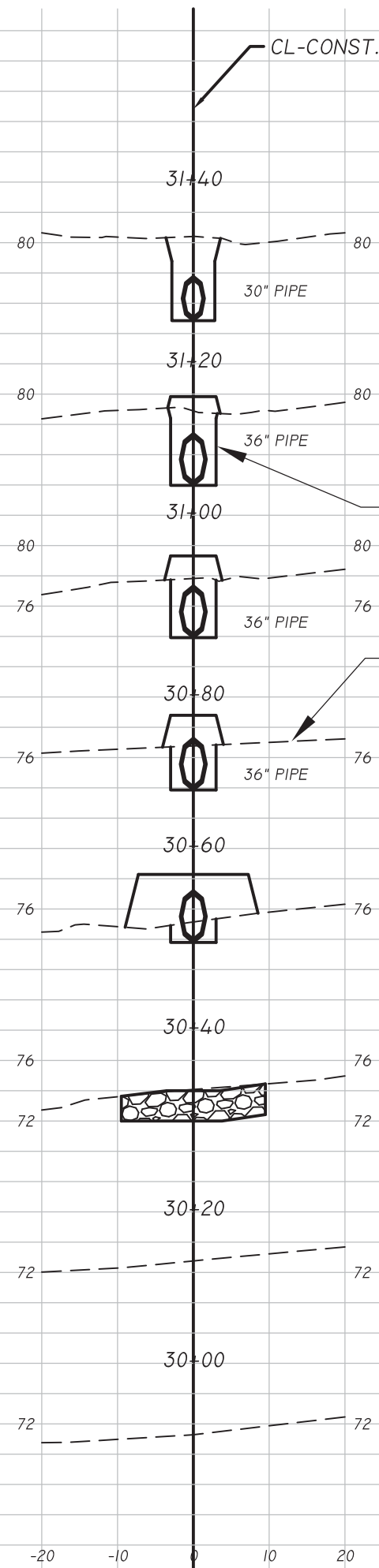
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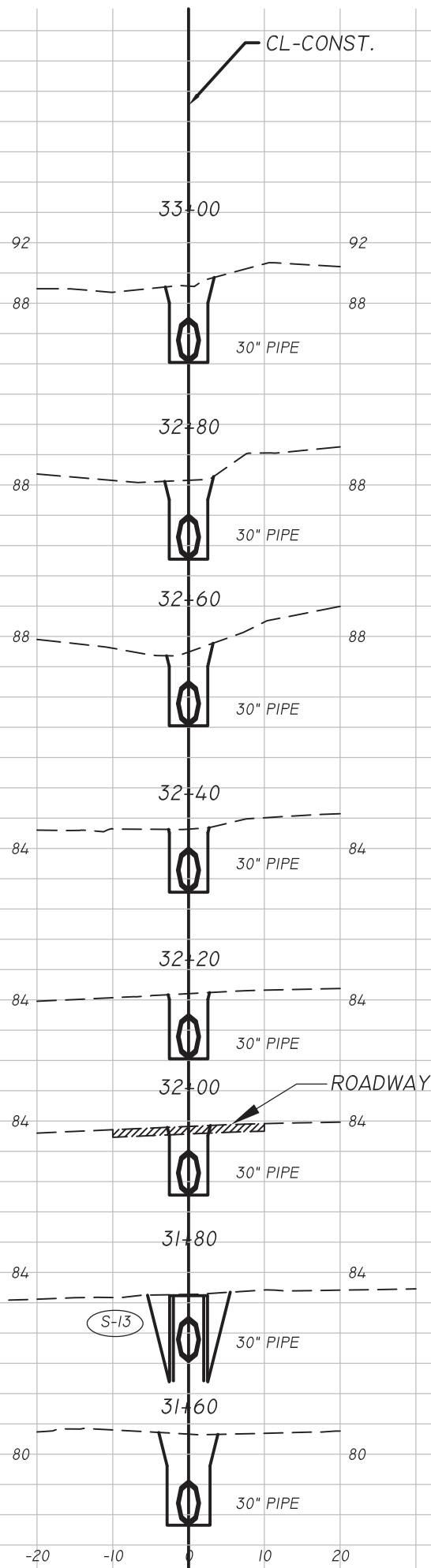
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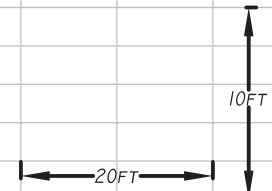
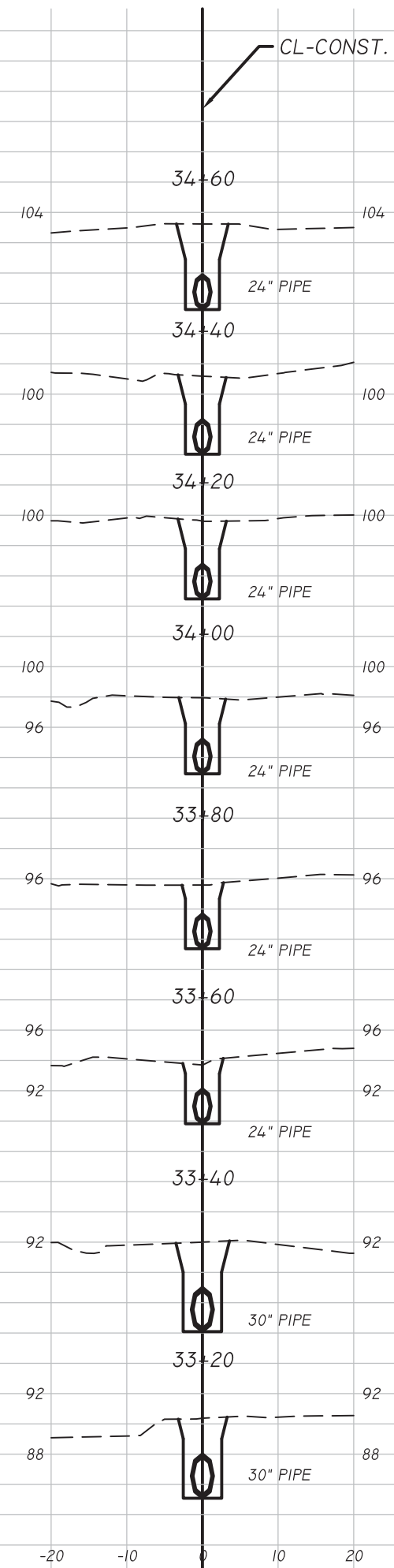


PROPOSED TRENCH (TYP)
EXISTING GRADE (TYP)



ROADWAY

S-13



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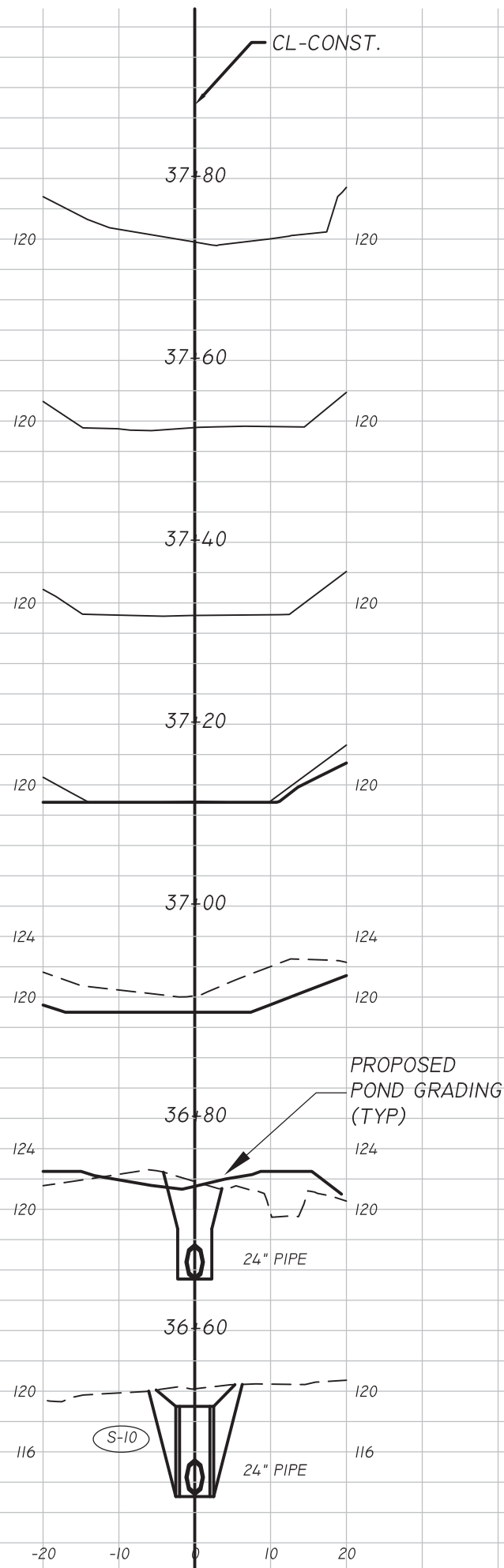
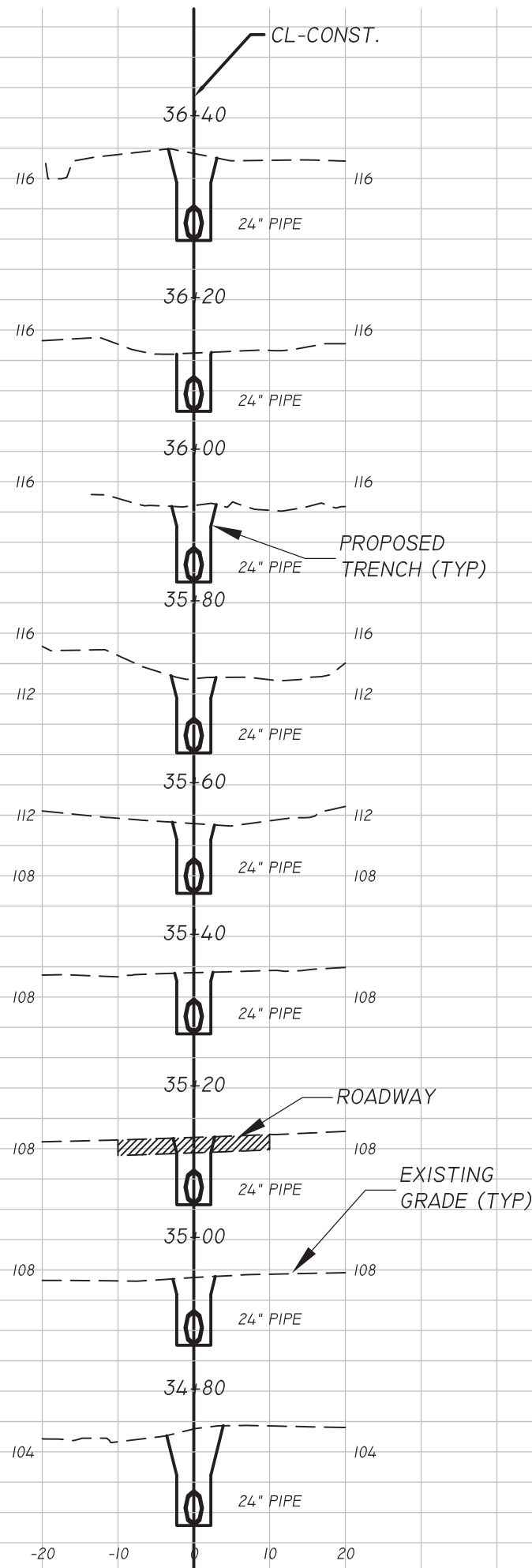
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CROSS SECTIONS

PROJECT
BRECKENRIDGE ON PARK
DRAINAGE IMPROVEMENTS

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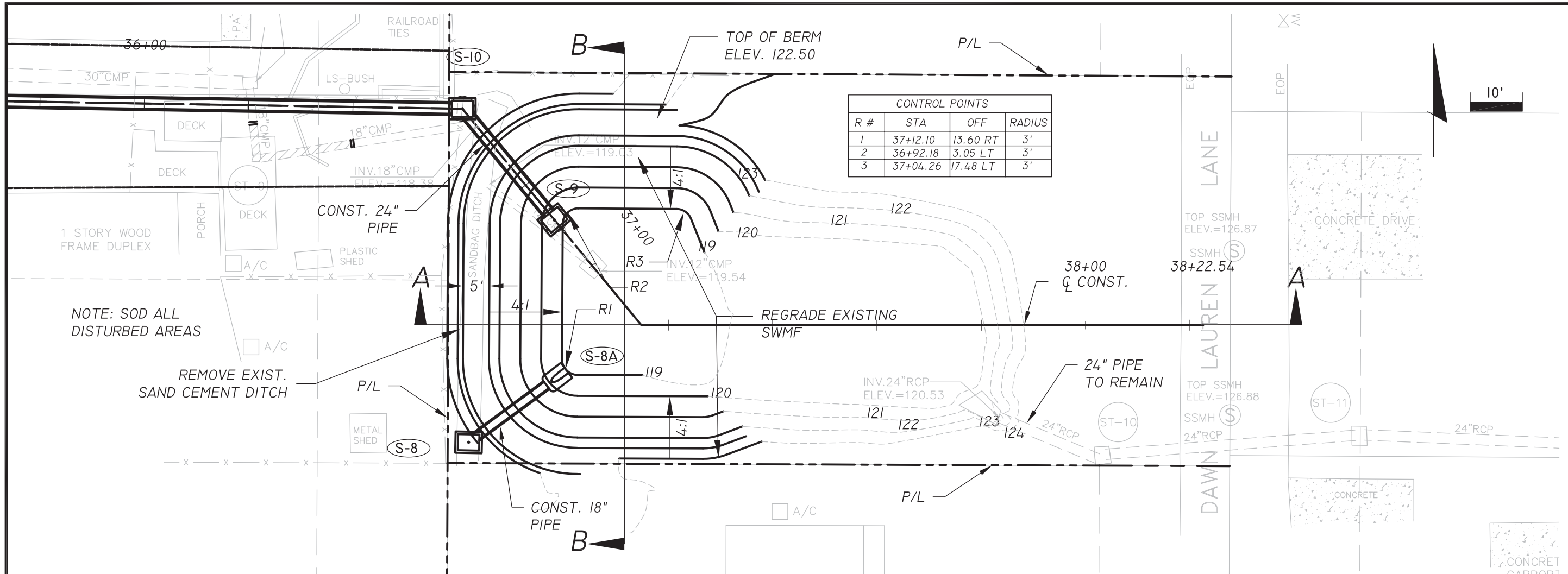
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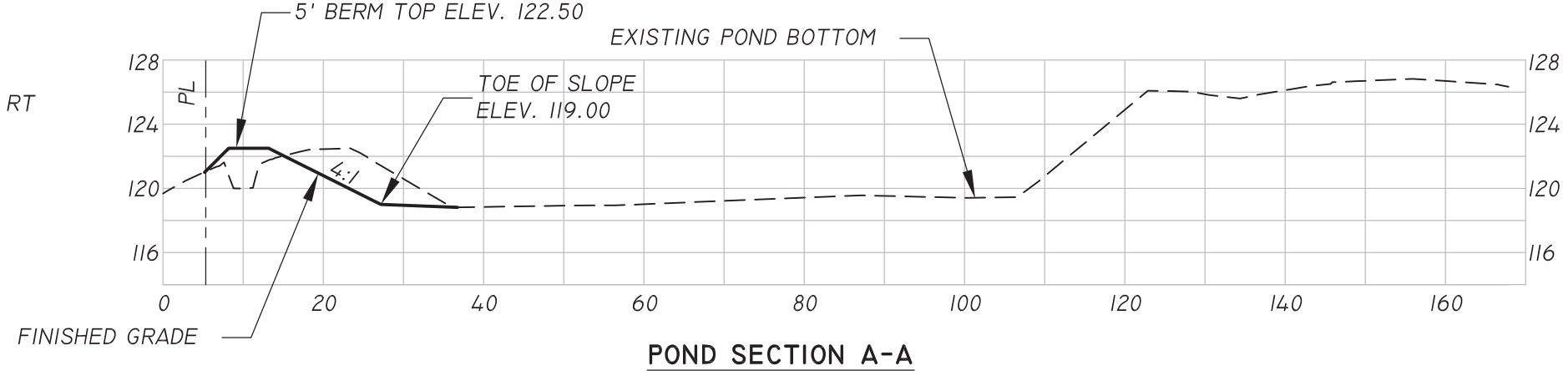
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CONTROL POINTS			
R #	STA	OFF	RADIUS
1	37+12.10	13.60 RT	3'
2	36+92.18	3.05 LT	3'
3	37+04.26	17.48 LT	3'

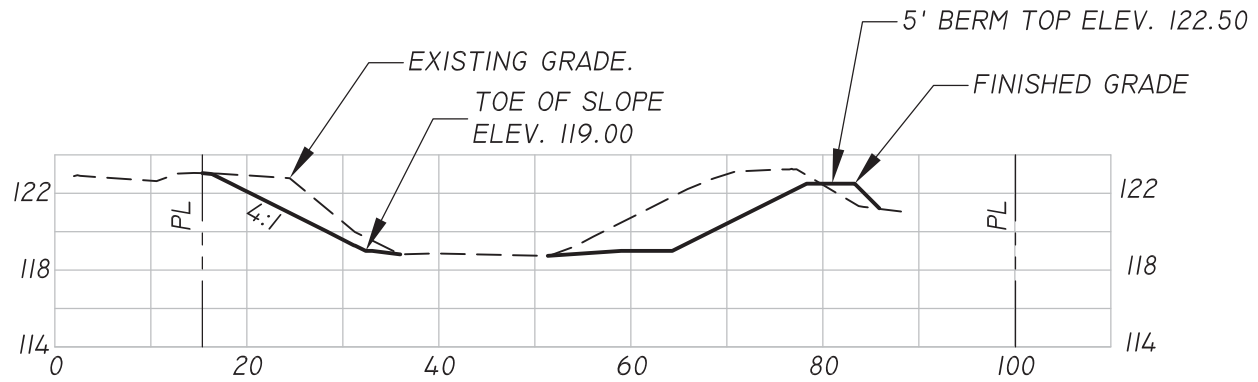
NOTE: SOD ALL DISTURBED AREAS

(S-9)
 STA: 36+88.63 0.00' RT
 CONST. DBI TYPE 'D'
 INDEX NO. 232
 GRATE: 120.75
 F.L. 114.50 (NW)



POND SECTION A-A

(S-8)
 STA: 37+11.06 39.86' RT
 CONST. DBI TYPE 'D'
 WITH SLOT (S)
 INDEX NO. 232
 GRATE: 121.50
 SLOT: 121.00 (S)
 F.L. 119.20 (NE)



POND SECTION B-B

(S-8A)
 STA: 37+12.72 20.05' RT
 CONST. 18" MES
 INDEX NO. 272
 F.L. 119.00 (SW)

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SHEET
RETENTION/DETENTION POND

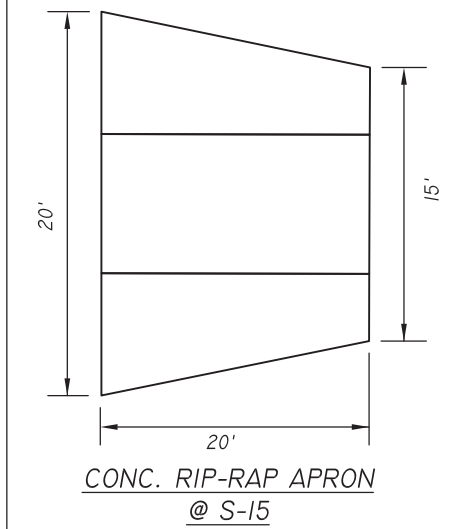
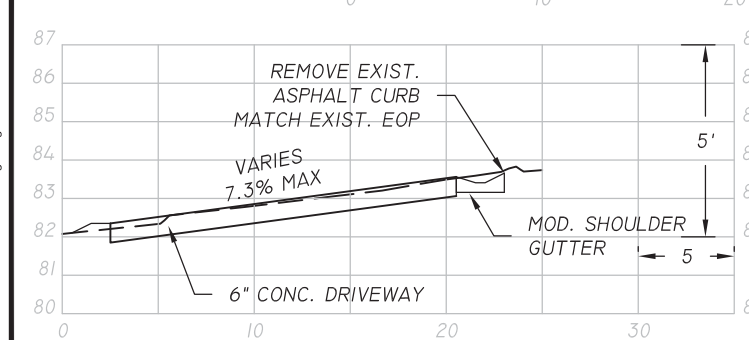
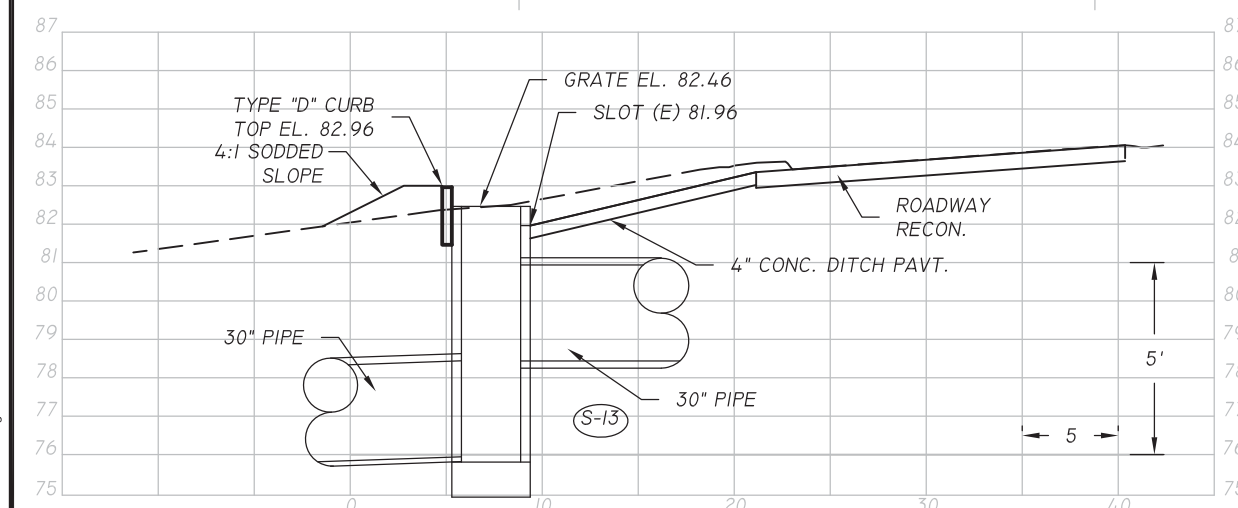
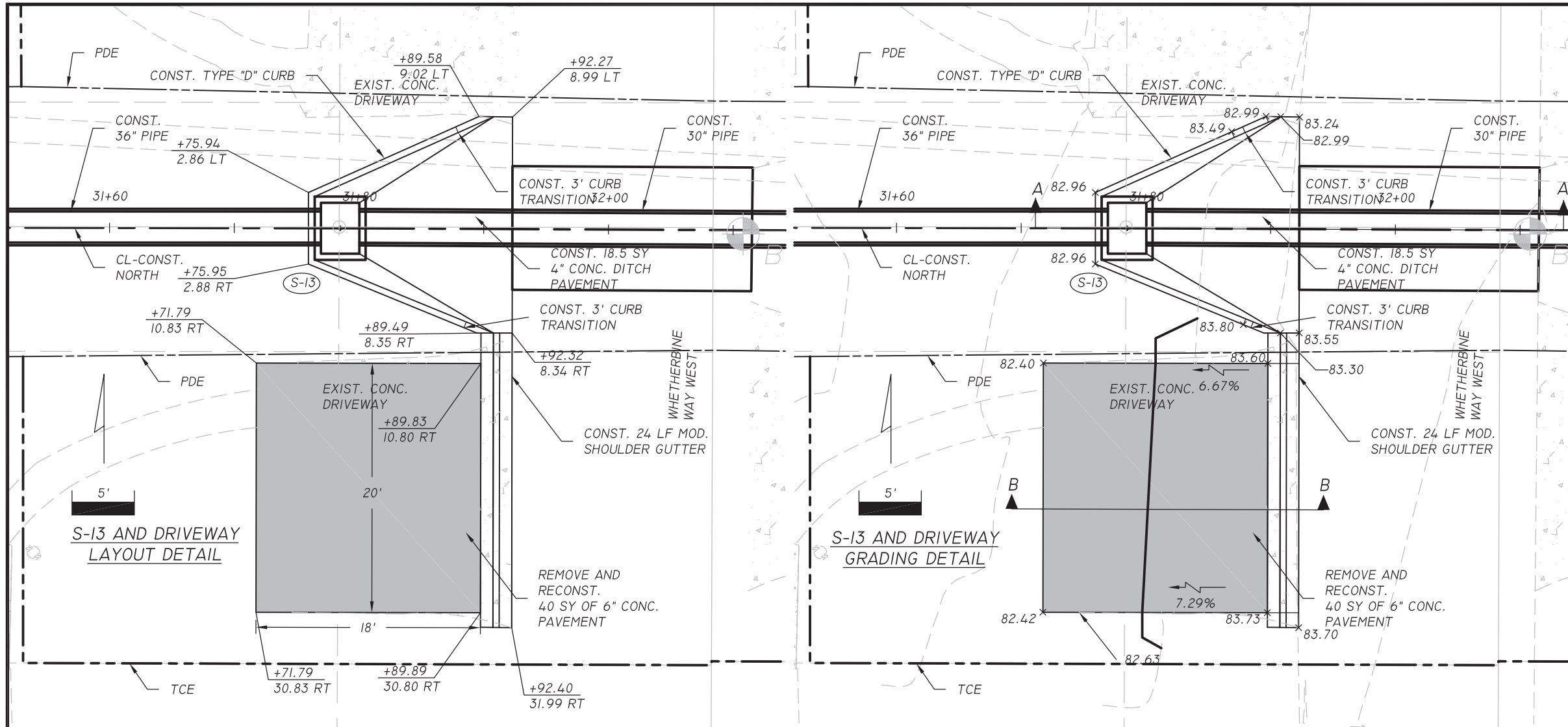
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 DRAINAGE IMPROVEMENTS**

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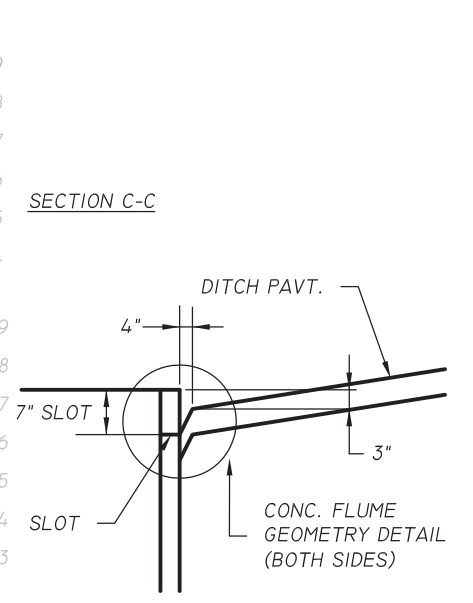
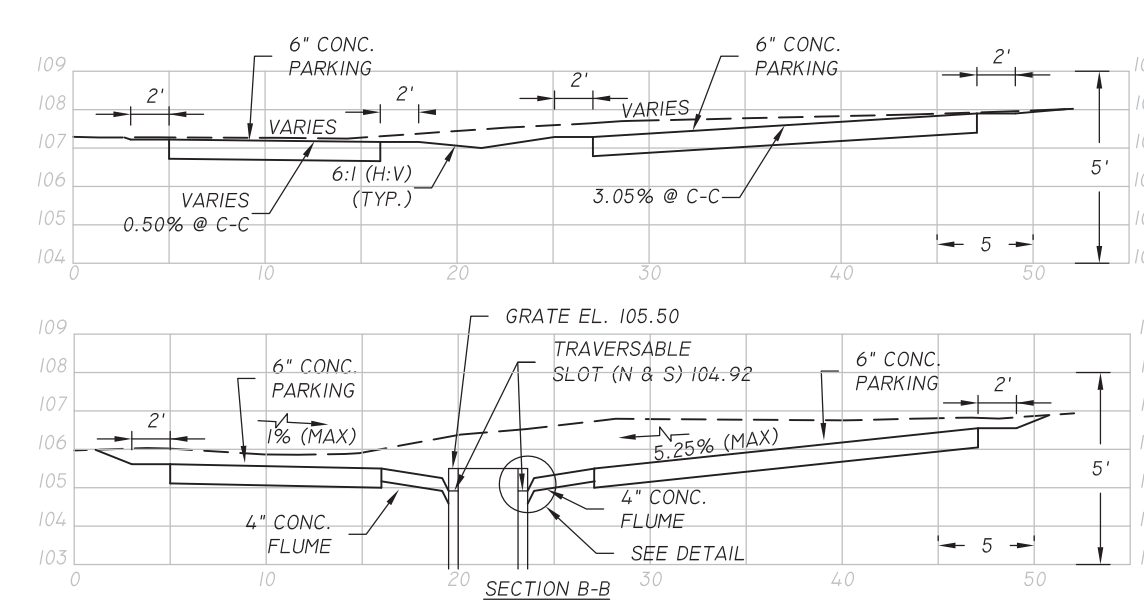
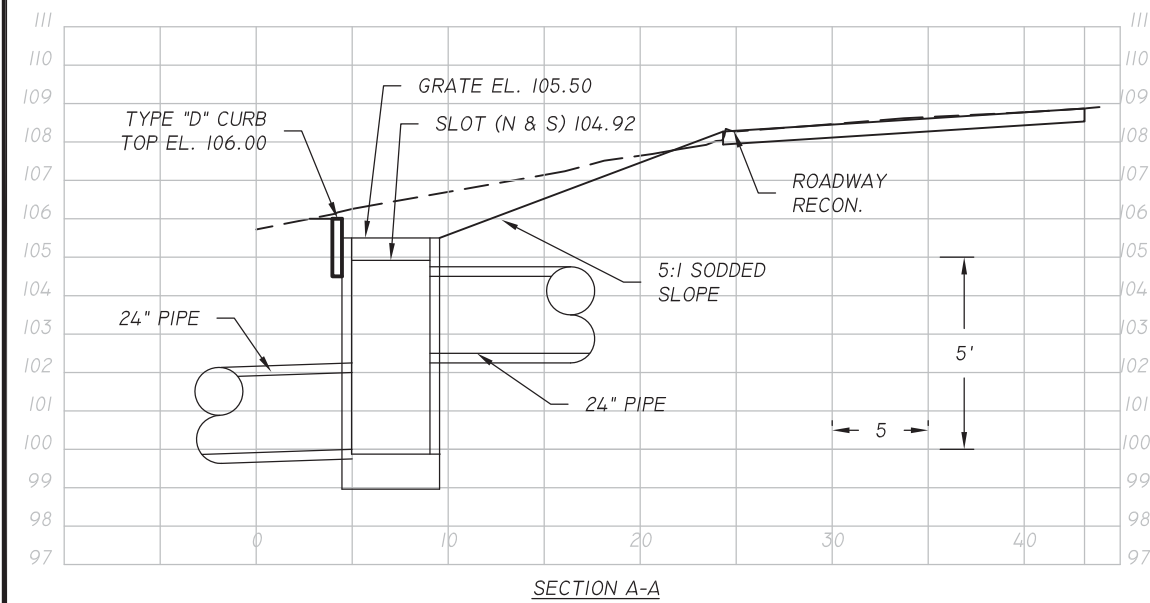
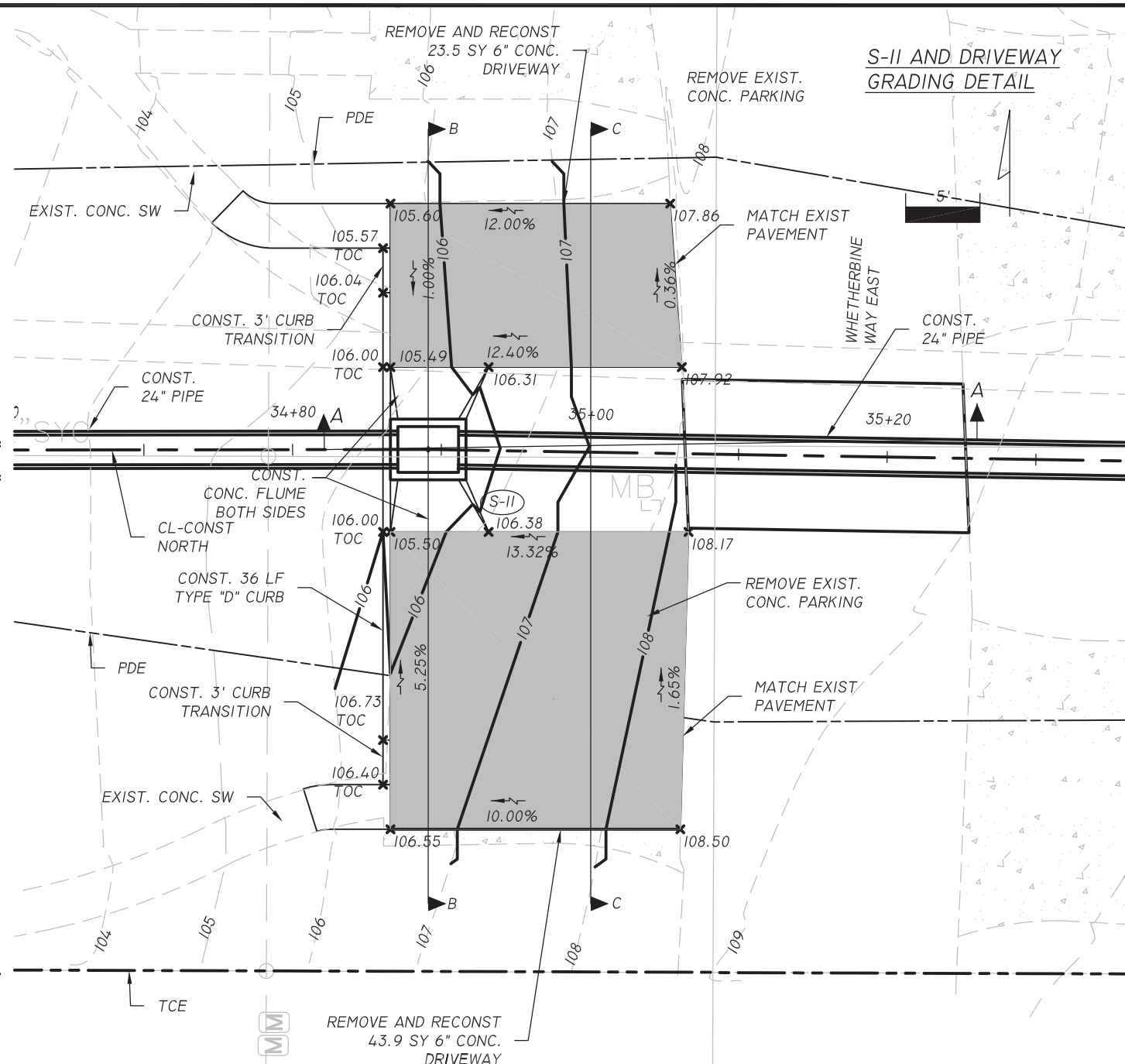
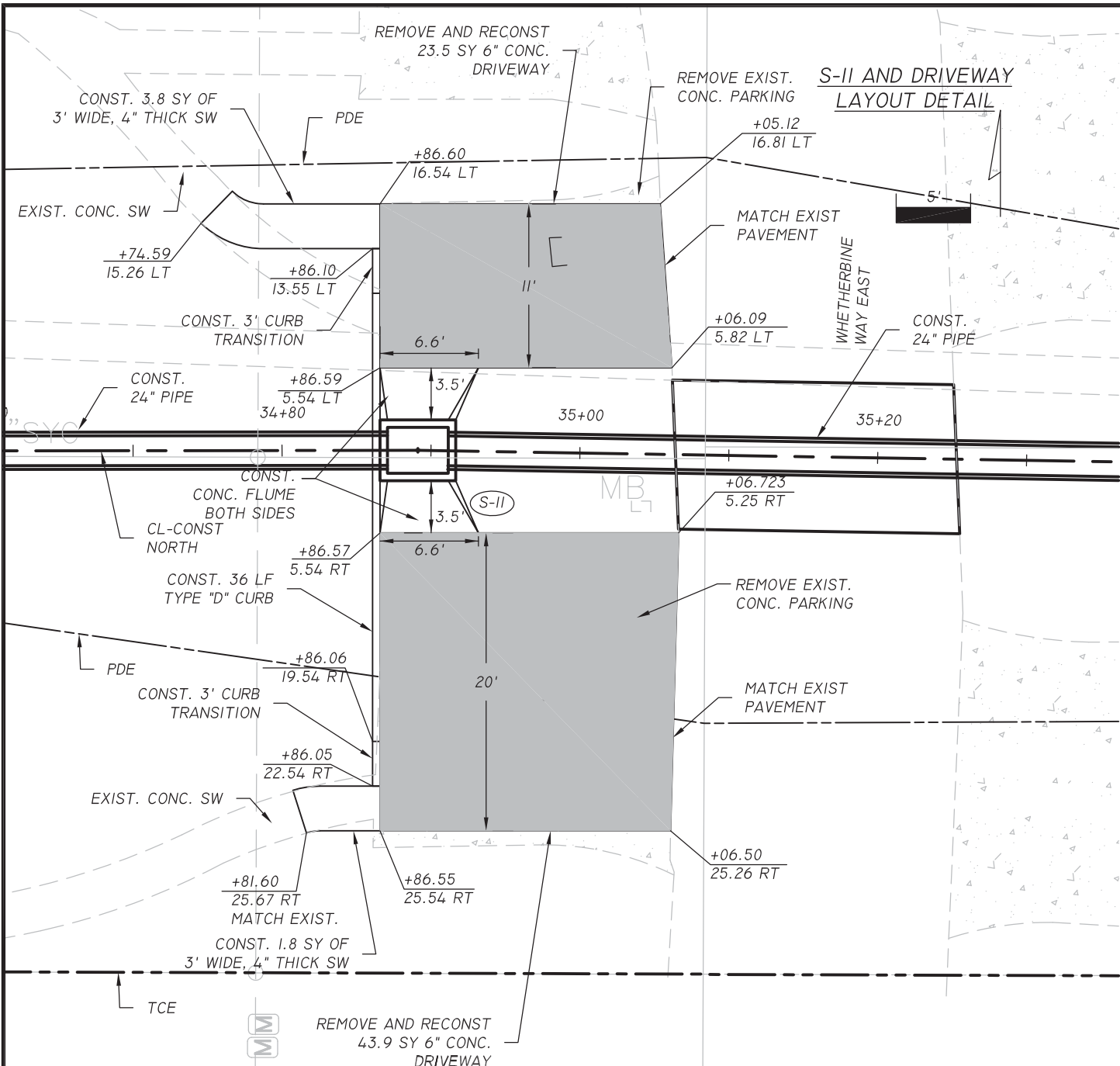
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- NOTES:
1. RIP-RAP APRON TO BE IN CONFORMANCE WITH FDOT INDEX NO. 281.
 2. CONCRETE APRON SHALL BE UNDERLAIN WITH TYPE D-2 FILTER FABRIC.
 3. APRON THICKNESS SHALL BE 2'.
 4. $D_{50} = 6.5"$

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<p>ORIGINAL REVISIONS:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1</td><td></td></tr> <tr><td>2</td><td></td></tr> <tr><td>3</td><td></td></tr> <tr><td>4</td><td></td></tr> <tr><td>5</td><td></td></tr> </table>	1		2		3		4		5		<p>SIGNATURE</p>
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<p>PROJECT</p>											
<p>BRECKENRIDGE ON PARK DRAINAGE IMPROVEMENTS</p>											
<p>ENGINEERING UTILITIES, TRANSPORTATION, AND WATER 2822 Remington Green Cir., Suite 202 Tallahassee, FL 32308 PHONE: (850) 383-0400 www.entawinc.com</p>											
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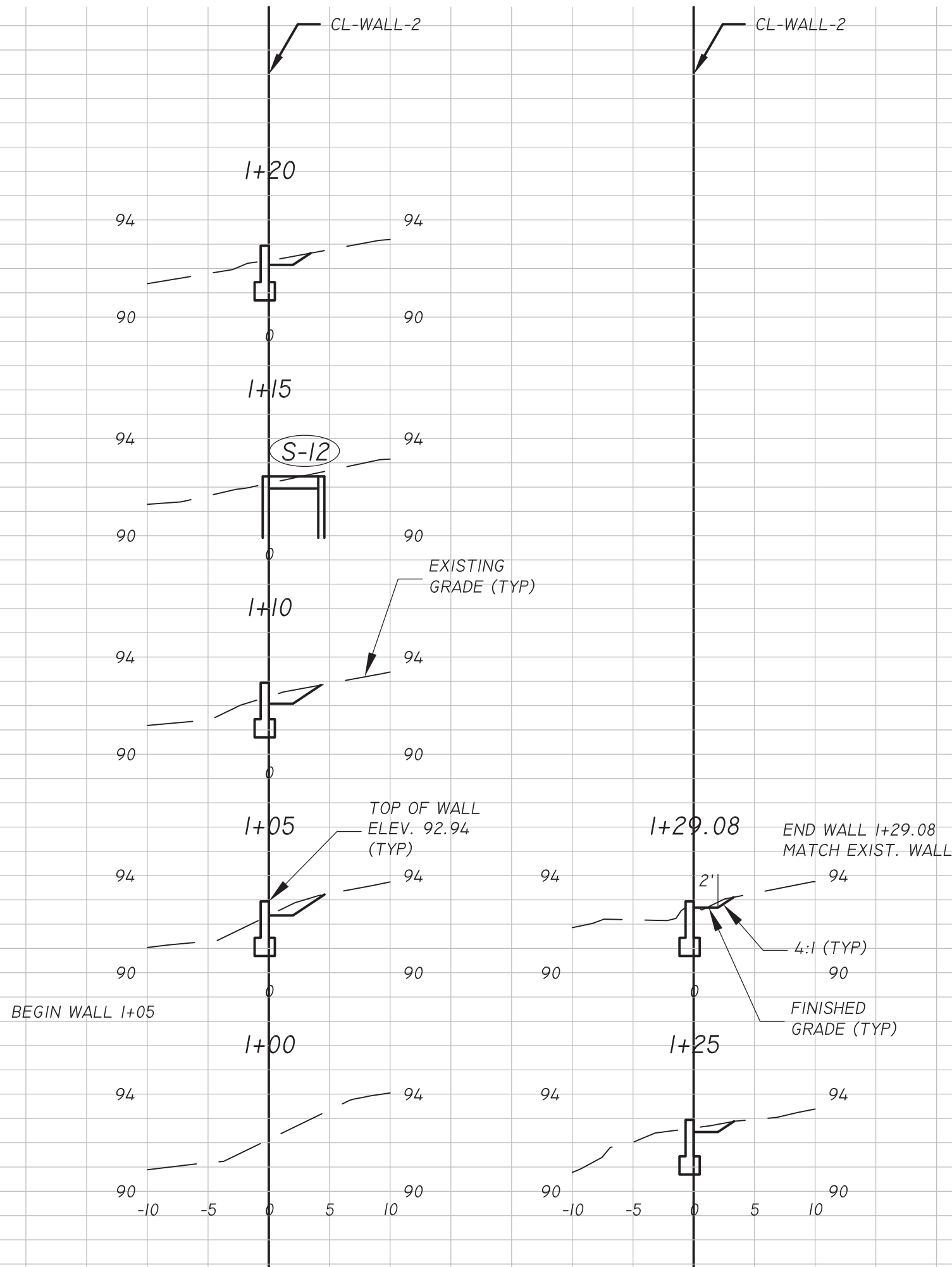
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 DRAINAGE IMPROVEMENTS

DRIVEWAY &
 DRAINAGE DETAILS

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SHEET
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**BRECKENRIDGE ON PARK
 DRAINAGE IMPROVEMENTS**

RETAINING WALL
 DETAILS

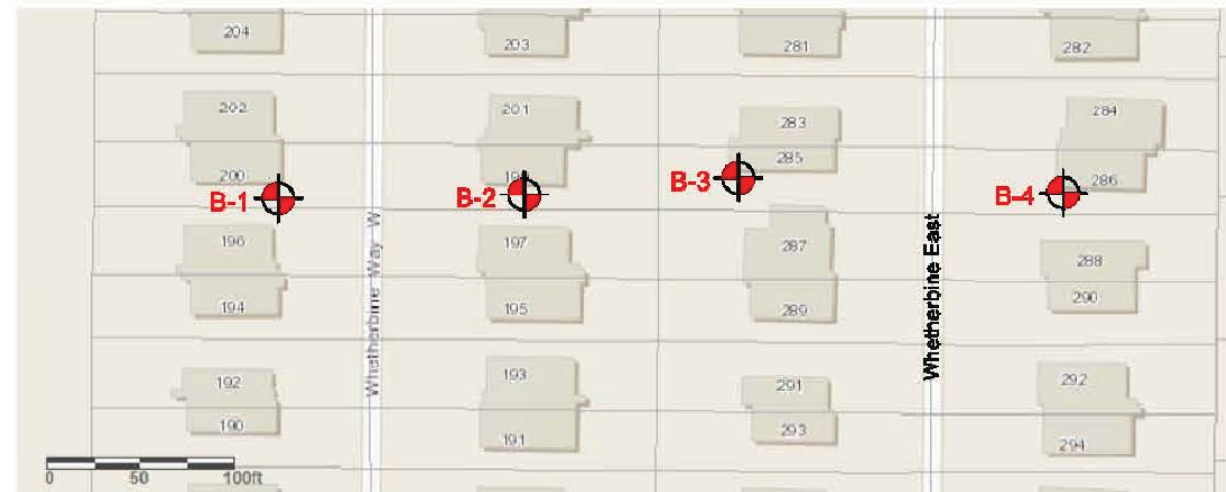
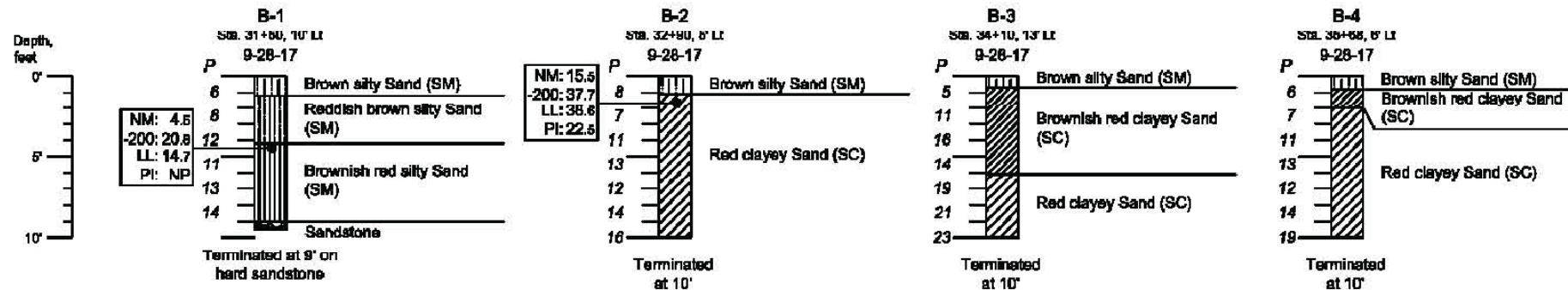
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Soil Boring Profiles and Locations

North System



Drawing Source: Leon Property Appraiser

NOTES

- 1) Although the borings represent the subsurface conditions at their respective locations, it should be understood that significant differences could exist between borings.
- 2) Borings were performed with hand operated augers in accord with ASTM D 1452 and supplemented with readings from a dynamic cone penetrometer device in accordance with ASTM Special Technical Publication #399.
- 3) Station and offset designation approximated.

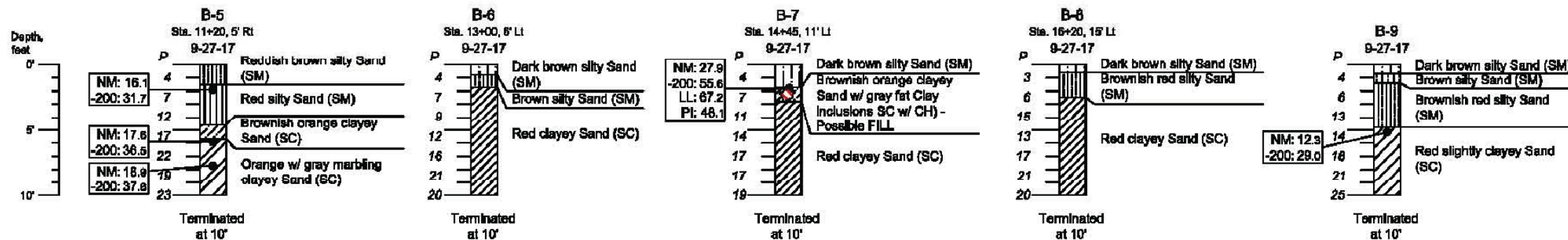
LEGEND

- N** - Standard Penetration Test "N-value". Number of blows from 140-pound hammer to advance sampler last 12" of 18" drive.
- P** - Dynamic Cone Penetrometer (DCP) "P-value". Number of blows from 15-pound hammer to advance cone tip 1.75".
- NM** - Natural Moisture Content, %.
- 200** - Finer than # 200 sieve, %.
- OC** - Organic Content (weight basis), %.
- LL** - Liquid Limit, %.
- PI** - Plastic Index (LL - Plastic Limit), %.
- (SC)** - Unified Soil Classification System, clayey sand (typical).
- Groundwater level, if present.

Penetration Resistance and Soil Properties on Basis of Standard Penetration Test¹

Sands (Fairly Reliable)		Clays (Rather Unreliable)	
Number of Blows per foot, N	Relative Density	Number of Blows per foot, N	Consistency
0-4	Very loose	Below 2	Very soft
4-10	Loose	2-4	Soft
10-30	Medium	4-8	Medium stiff
30-50	Dense	8-15	Stiff
Over 50	Very dense	15-30	Very stiff
		Over 30	Hard

1- Table 5.3 from Peck, Hanson, Thornburn, Foundation Engineering, 2nd Edition, 1973



South System



Alpha Geotechnical and Testing Services, Inc.
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 4778-B Woodlane Circle
 Tallahassee, FL 32303
 (850) 514-4171 Fax: 514-4173 www.alpha-geotech.com

Stephen P. Shanley, PE
 FL #40653

 May 21, 2018

Geotechnical Exploration for
 Storm Water Improvements at
 Breckenridge on Park, Tallahassee, FL

Figure
1

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SOIL SURVEY

BRECKENRIDGE ON PARK
 DRAINAGE IMPROVEMENTS

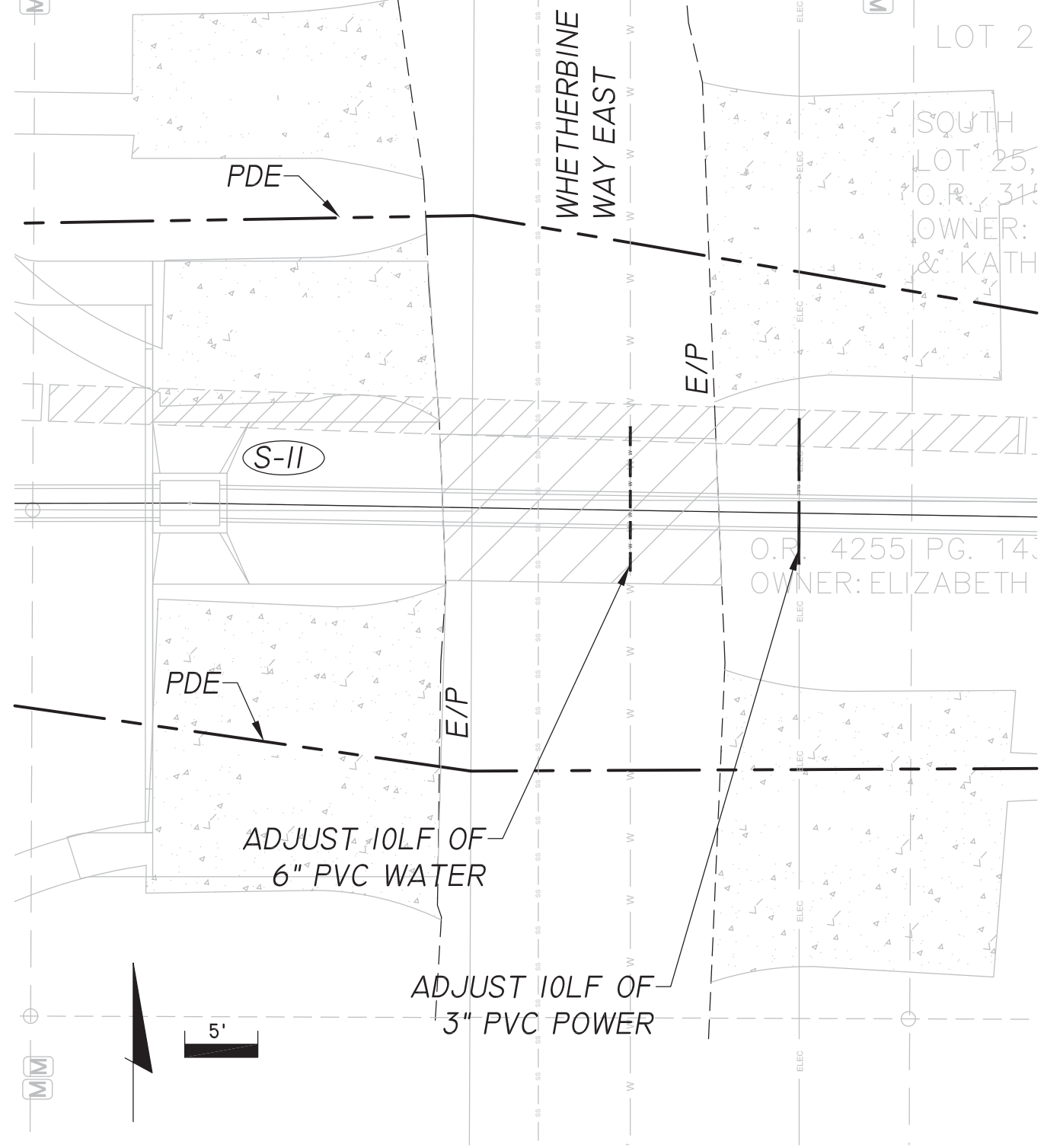
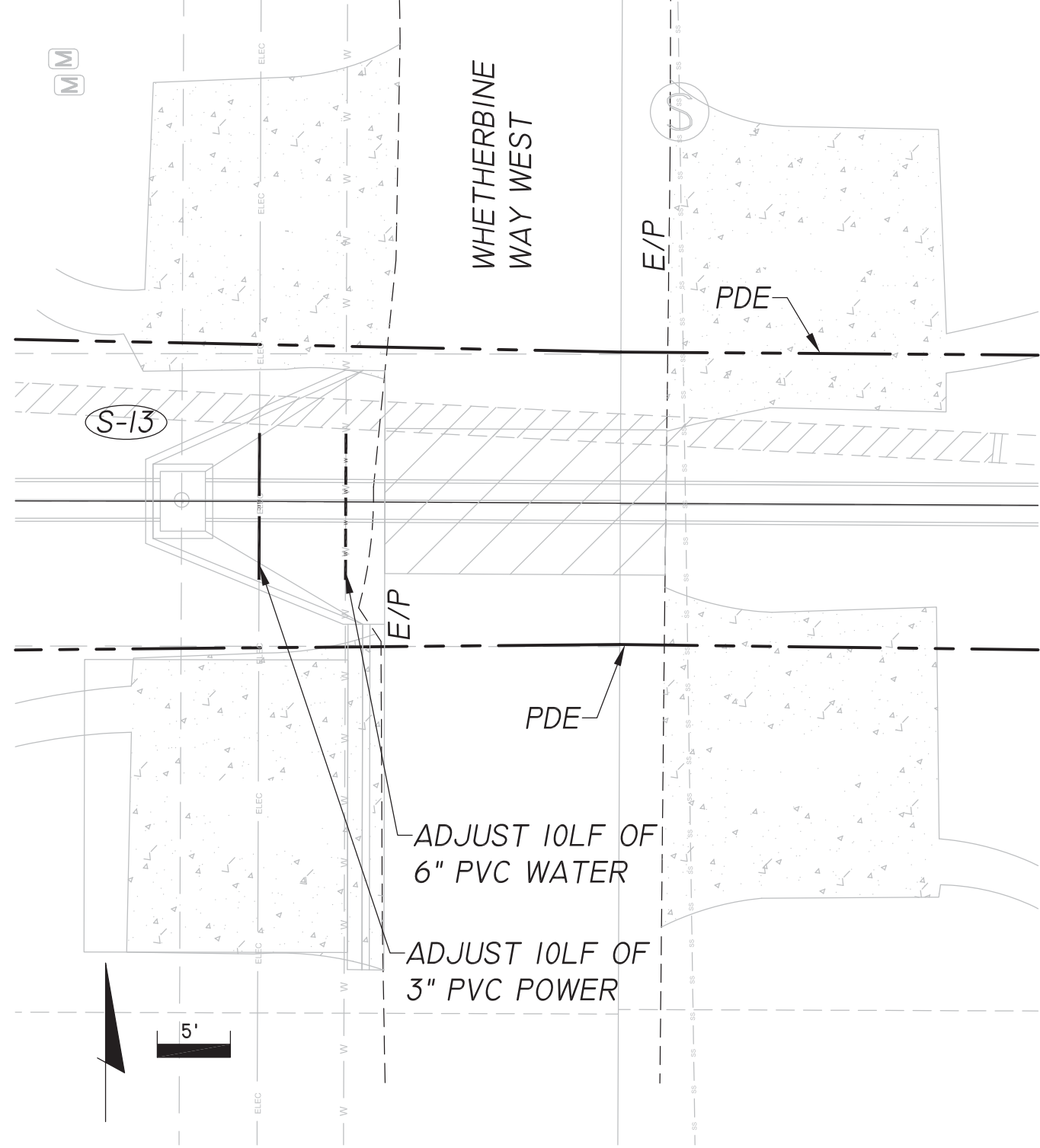
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SHEET
 PROJECT
 BRECKENRIDGE ON PARK
 DRAINAGE IMPROVEMENTS

UTILITY ADJUSTMENTS

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I. SITE DESCRIPTION

A. CONSTRUCTION ACTIVITY:

THE PROJECT CONSISTS OF RECONSTRUCTING EXISTING DRAINAGE INFRASTRUCTURE THROUGH AN EXISTING RESIDENTIAL DEVELOPMENT. THE PROJECT INCLUDES CLEARING AND GRUBBING, REMOVAL OF EXISTING DRAINAGE STRUCTURES, INSTALLATION OF DRAINAGE STRUCTURES AND PIPING, ROADWAY RECONSTRUCTION (PATCHING), UTILITY ADJUSTMENTS, MINOR STORMWATER POND RE-GRADING, RETAINING WALL CONSTRUCTION, AND PERMANENT EROSION CONTROL FEATURES.

B. MAJOR SOIL DISTURBING ACTIVITIES:

CLEARING AND GRUBBING
DRAINAGE STRUCTURES AND PIPING (REMOVAL AND INSTALLATION)
POND RE-GRADING

C. AREA ESTIMATES:

TOTAL PROJECT AREA: 0.87 ACRES
TOTAL AREA TO BE DISTURBED: 0.37 ACRES

D. RUNOFF DATA:

RUNOFF COEFFICIENT (BEFORE CONSTRUCTION): 0.45
RUNOFF COEFFICIENT (DURING CONSTRUCTION): 0.48
RUNOFF COEFFICIENT (AFTER CONSTRUCTION): 0.45

OUTFALL LOCATIONS:

THE PROJECT HAS ONE (1) OUTFALL TO THE PARK AVENUE TRIBUTARY #2.
N 30°26'48.4" W 84°13'52.4"

2. CONTROLS

SEQUENCE OF SOIL DISTURBING ACTIVITIES AND IMPLEMENTATION OF CONTROLS:

CONTROLS SHALL BE INSTALLED PRIOR TO ANY EARTH CLEARING ACTIVITIES AND MAINTAINED UNTIL PERMANENT EROSION CONTROL FEATURES HAVE BEEN ESTABLISHED.

A. EROSION AND SEDIMENT CONTROLS

(1) STABILIZATION PRACTICES:
TEMPORARY SODDING
TEMPORARY GRASSING
PERMANENT SODDING OR SEEDING

(2) STRUCTURAL PRACTICES:
SEDIMENT BARRIER
INLET PROTECTION SYSTEM
BERMS
SEDIMENT TRAPS/BASINS

B. STORMWATER MANAGEMENT

STORMWATER MANAGEMENT IS PROVIDED IN THE UPPER AREAS OF THE PROJECT AREA (EXISTING STORMWATER FACILITIES). THESE FACILITIES WILL BE MODIFIED BY THE PROJECT, BUT NO REDUCTION OF TREATMENT/ATTENUATION CAPACITIES IS PROPOSED. NO NEW STORMWATER MANAGEMENT FACILITIES WILL BE CONSTRUCTED AS THERE IS NO NEW IMPERVIOUS AREA ASSOCIATED WITH THE PROJECT.

C. OTHER CONTROLS

(1) WASTE DISPOSAL:
THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP.

(2) OFFSITE VEHICLE TRACKING AND GENERATION OF DUST:
HAUL ROADS DAMPENED FOR DUST CONTROL
LOADED HAUL TRUCKS TO BE COVERED WITH TARP
EXCESS DIRT ON ROADWAY REMOVED DAILY
STABILIZED CONSTRUCTION ENTRANCE

(3) SANITARY OR SEPTIC WASTE:
ALL SANITARY WASTE WILL BE COLLECTED AS NECESSARY OR AS REQUIRED BY LOCAL REGULATION BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP.

(4) FERTILIZER:
FERTILIZER SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS BY A LICENSED OR CERTIFIED APPLICATOR AS DIRECTED BY THE PROJECT ENGINEER.

(5) PESTICIDES:
THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP.

(6) NON-STORM WATER DISCHARGE INCLUDING SPILL REPORTING:
NO NON-STORM WATER DISCHARGES ARE ANTICIPATED.

3. PERMITS

PERMITS OBTAINED FOR THIS PROJECT INCLUDE:

4. MAINTENANCE

ALL EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED FOLLOWING EACH RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. SEDIMENT DEPOSITS AT THE CONTROLS SHOULD BE REMOVED AFTER EACH STORM EVENT.

THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP.

5. INSPECTION

ALL CONTROLS SHALL BE INSPECTED WEEKLY BY THE CONTRACTOR AS WELL AS AFTER A STORM EVENT WITH 0.50" OR MORE OF RAIN. AN INSPECTION AND MAINTENANCE REPORT WILL BE MADE PER EACH INSPECTION BASED UPON INSPECTION RESULTS. THE CONTROLS SHALL BE REVISED PER THE INSPECTION RESULTS.

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SHEET
STORMWATER POLLUTION PREVENTION PLAN

PROJECT
BRECKENRIDGE ON PARK DRAINAGE IMPROVEMENTS

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GENERAL NOTES - SEDIMENT AND EROSION CONTROL:

1. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PREVENTION, CONTROL, AND ABATEMENT OF EROSION, WATER POLLUTION, AND THE TRANSPORTATION OF ERODED MATERIALS OFF SITE.
2. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ENGINEER A SEDIMENT AND EROSION CONTROL PLAN TO ACCOMPANY THE STORMWATER POLLUTION PREVENTION PLAN AND THE SEDIMENT AND EROSION CONTROL PLAN INCLUDED IN THESE PLANS. THE SEDIMENT AND EROSION CONTROL PLAN SHALL BE PREPARED IN ACCORDANCE WITH THE "FLORIDA EROSION AND SEDIMENT CONTROL MANUAL" AND SHALL BE SPECIFIC TO THE MEANS, METHODS, AND SEQUENCE OF CONSTRUCTION TO BE EMPLOYED BY THE CONTRACTOR AND SHALL IDENTIFY THE TYPES AND LOCATIONS OF CONTROLS THAT ARE TO BE IMPLEMENTED DURING EACH PHASE OF CONSTRUCTION AS SHOWN ON THE APPROVED CONSTRUCTION SCHEDULE TO MINIMIZE EROSION, PREVENT THE TRANSFER OF ERODED MATERIALS ONTO ANY OFF SITE PARCEL OR INTO ANY RECEIVING WATER, AND PREVENT VIOLATING STATE AND/OR FEDERAL PERMIT REQUIREMENTS. PAYMENT FOR PREPARING AND SUBMITTING THE SEDIMENT AND EROSION CONTROL PLAN AND FOR ANY MODIFICATIONS TO THE SEDIMENT AND EROSION CONTROL PLAN DURING CONSTRUCTION WILL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION. THE SEDIMENT AND EROSION CONTROL PLAN SHALL DESCRIBE BUT NOT BE LIMITED TO THE FOLLOWING ITEMS FOR EACH PHASE OF CONSTRUCTION OPERATIONS OR ACTIVITIES:
 - A. TYPES AND LOCATIONS OF ALL EROSION CONTROL DEVICES
 - B. ESTIMATED TIME EROSION CONTROL DEVICES WILL BE IN OPERATION
 - C. METHODS FOR CONTAINMENT OR REMOVAL OF ERODED MATERIALS FROM DISCHARGES RELATED TO DEWATERING OPERATIONS
 - D. METHODS FOR CONTAINMENT OR REMOVAL OF POLLUTANTS OR HAZARDOUS WASTES
 - E. METHODS FOR MAINTENANCE OF EROSION CONTROL DEVICES
 - F. SCHEDULES FOR MONITORING AND MAINTAINING EROSION CONTROL DEVICES
 - G. NAME AND PHONE NUMBERS OF PERSON RESPONSIBLE FOR MONITORING AND MAINTAINING EROSION CONTROL DEVICES
3. NO CONSTRUCTION ACTIVITIES SHALL BEGIN UNTIL THE SEDIMENT AND EROSION CONTROL PLAN HAS RECEIVED WRITTEN APPROVAL FROM THE ENGINEER.
4. THE CONTRACTOR SHALL UPDATE THE SEDIMENT AND EROSION CONTROL PLAN WHENEVER THERE IS A CHANGE IN CONSTRUCTION SEQUENCE OR ACTIVITIES THAT HAS A SIGNIFICANT EFFECT ON THE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS OFF SITE OR INTO ANY RECEIVING WATER AND SHALL SUBMIT THE UPDATED PLAN FOR REVIEW AND APPROVAL BY THE ENGINEER.
5. EROSION AND SEDIMENT CONTROLS SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION AND SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL.
6. FIELD CONDITIONS MAY REQUIRE THE USE OF ADDITIONAL TYPES AND QUANTITIES OF SEDIMENT AND EROSION CONTROL DEVICES DURING CONSTRUCTION AS DETERMINED BY THE CONTRACTOR, THE ENVIRONMENTAL INSPECTOR, OR THE ENGINEER.
7. THE CONTRACTOR SHALL INSPECT ALL SEDIMENT AND EROSION CONTROL DEVICES PRIOR TO SUSPENSION OF WORK ACTIVITIES EACH DAY, IMMEDIATELY AFTER EACH RAINFALL, AND AT LEAST DAILY DURING PROLONGED RAINFALL TO ENSURE THAT THE DEVICES ARE PROPERLY LOCATED AND MAINTAINED FOR EFFECTIVENESS. ANY REQUIRED REMEDIAL ACTION SHALL BE PERFORMED IMMEDIATELY.
8. SEDIMENT TRAPPED BY THE EROSION CONTROL DEVICES IS TO BE REMOVED BY THE CONTRACTOR AFTER EACH RAIN STORM.
9. THE AMOUNT OF AREA DISTURBED AT ONE TIME SHALL BE LIMITED TO THE MINIMUM NECESSARY TO ADEQUATELY IMPLEMENT THE WORK. CONSTRUCTION OPERATIONS SHALL BE CONTROLLED TO MINIMIZE UNPROTECTED AREAS EXPOSED TO WEATHER, AND AREAS OUTSIDE THE LIMITS OF CONSTRUCTION SHALL NOT BE DISTURBED.
10. EXCAVATED MATERIAL SHALL NOT BE DEPOSITED IN LOCATIONS WHERE IT COULD BE WASHED AWAY BY HIGH WATER OR BY STORMWATER RUNOFF, AND STOCKPILES SHALL BE COVERED OR ENCIRCLED WITH SEDIMENT CONTAINMENT DEVICES.
11. DURING THE INSTALLATION OF STORM DRAIN OR UTILITY PIPING, SYNTHETIC BALE BARRIERS SHALL BE PLACED BELOW THE WORK ZONES TO AID IN CONTROLLING THE TRANSFER OF ERODED MATERIAL OFF SITE.
12. NEW AND EXISTING DRAINAGE STRUCTURES SHALL BE PROTECTED FROM SILTATION DURING CONSTRUCTION. BARRIERS SHALL BE PLACED AROUND ALL INCOMPLETE STORMWATER INLETS AND MANHOLES DURING CONSTRUCTION. CURB INLET FILTERS SHALL BE PLACED ACROSS THE THROATS OF ALL EXISTING AND COMPLETED CURB INLETS.
13. EXISTING FLOW CAPACITY SHALL BE MAINTAINED IN THE DRAINAGE SYSTEMS TO CONVEY RUNOFF FROM RAIN STORMS THAT OCCUR DURING CONSTRUCTION. EXISTING DRAINAGE PIPES THAT ARE NOTED TO BE PLUGGED OR REMOVED SHALL REMAIN IN SERVICE UNTIL FLOWS CAN BE DIVERTED TO THE NEW DRAINAGE SYSTEM. WHERE NEW PIPES ARE TO BE INSTALLED IN CLOSE PROXIMITY TO EXISTING PIPES THAT ARE TO BE REMOVED, PROVISIONS SHALL BE MADE TO DIVERT FLOWS FROM THE EXISTING PIPES TO THE NEW PIPES PRIOR TO RAIN STORMS. TEMPORARY PIPES SHALL BE PLACED FOR THIS PURPOSE PRIOR TO SUSPENSION OF WORK ACTIVITIES EACH DAY.
14. STABILIZATION MEASURES SHALL BE INITIATED FOR EROSION AND SEDIMENT CONTROL ON DISTURBED AREAS AS SOON AS PRACTICABLE, BUT IN NO CASE MORE THAN 14 DAYS AFTER CONSTRUCTION ACTIVITY IN THOSE PORTIONS OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
15. PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL DISTURBED LAND AREAS SHALL BE COMPLETED IMMEDIATELY AFTER FINAL GRADING. WHEN IT IS NOT POSSIBLE TO PERMANENTLY PROTECT A DISTURBED AREA IMMEDIATELY AFTER GRADING OPERATIONS, TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED. ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE IN PLACE AND ESTABLISHED.
16. THE CONTRACTOR SHALL OBTAIN AN ENVIRONMENTAL MANAGEMENT PERMIT FROM THE CITY OF TALLAHASSEE GROWTH MANAGEMENT DEPARTMENT FOR ALL STOCKPILE AND CONSTRUCTION STAGING AREAS LOCATED OUTSIDE THE LIMITS OF CONSTRUCTION.

GENERAL NOTES - TREE PROTECTION:

1. BARRICADE FENCING SHALL BE INSTALLED AT OR NEAR THE CRITICAL PROTECTION ZONE OF EACH TREE TO BE PROTECTED PRIOR TO INITIATION OF ANY CONSTRUCTION ACTIVITY, AND THE FENCING SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITY HAS BEEN COMPLETED.
2. ALL ROOTS 3/4" IN DIAMETER AND LARGER OF TREES TO BE PROTECTED OR PRESERVED THAT ARE EXPOSED DURING TRENCHING AND EXCAVATION SHALL BE CLEANLY CUT WITH A HANDSAW AND COVERED IMMEDIATELY WITH SOIL OR KEPT MOISTENED WITH WET BURLAP OR PEAT MOSS UNTIL THE TRENCH CAN BE FILLED. WHEN IT IS NOT POSSIBLE TO BACKFILL IN THE SAME DAY, THE ROOTS SHALL BE FRESHLY CUT WITH A HANDSAW A REASONABLE DISTANCE FROM THE ORIGINAL CUT AND BACKFILLED IMMEDIATELY TO AVOID SOIL OR ROOT DEHYDRATION.
3. THE CONTRACTOR SHALL PROVIDE THE SERVICES OF A CERTIFIED ARBORIST TO BE ON SITE TO DIRECT TREE PROTECTION AND MITIGATION ACTIVITIES DURING ALL CONSTRUCTION OPERATIONS WITHIN THE CPZ OF TREES IDENTIFIED AS THOSE REQUIRING CERTIFIED ARBORIST SERVICES. MITIGATION ACTIVITIES INCLUDE LIMB PRUNING, ROOT CUTTING, WATERING, AND OTHER OPERATIONS NEEDED TO PRESERVE THE HEALTH OF THE TREE. SHOULD THE ARBORIST DETERMINE THAT MITIGATION EFFORTS WILL NOT BE SUFFICIENT TO OFFSET CONSTRUCTION IMPACTS AND TREE REMOVAL IS WARRANTED, THE ARBORIST WILL IMMEDIATELY NOTIFY THE CITY. SHOULD THE CITY DETERMINE THAT TREE REMOVAL IS WARRANTED, THE CITY WILL DIRECT THE CONTRACTOR TO REMOVE THE TREE. THE COST TO REMOVE ANY TREE DAMAGED BY CONSTRUCTION IMPACTS SHALL BE INCLUDED IN THE BID ITEM FOR CLEARING AND GRUBBING. THE COST OF ALL ARBORIST SERVICES AND ALL TREE MITIGATION ACTIVITIES AND OPERATIONS SHALL BE INCLUDED IN THE BID ITEM FOR MOBILIZATION.

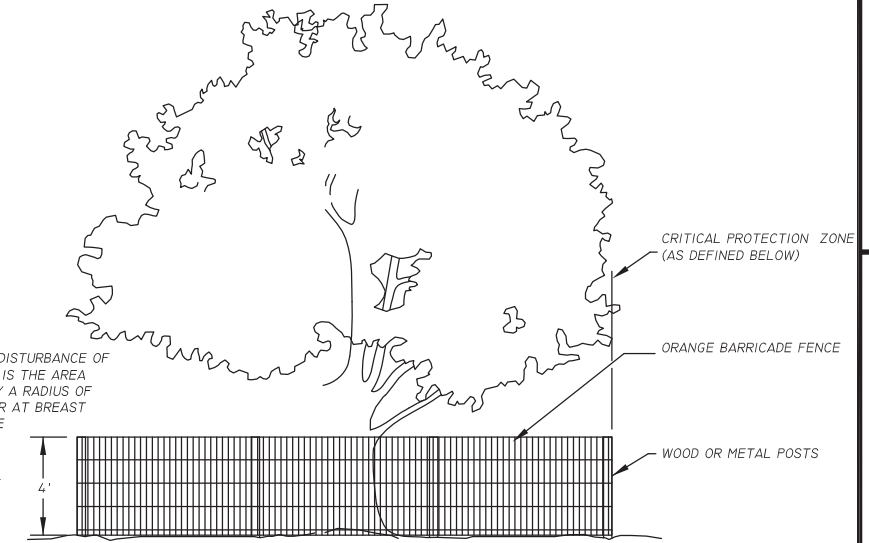
LEGEND



NOTES:

THE TREE PROTECTION BARRICADE IS TO PREVENT DISTURBANCE OF THE CRITICAL PROTECTION ZONE (CPZ). THE C.P.Z. IS THE AREA SURROUNDING A TREE WITH A CIRCLE DESCRIBED BY A RADIUS OF ONE FOOT FOR EACH INCH OF THE TREE'S DIAMETER AT BREST HEIGHT. THE AREA WITHIN BARRICADE IS NOT TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT.

TREE PROTECTION BARRICADE
NTS

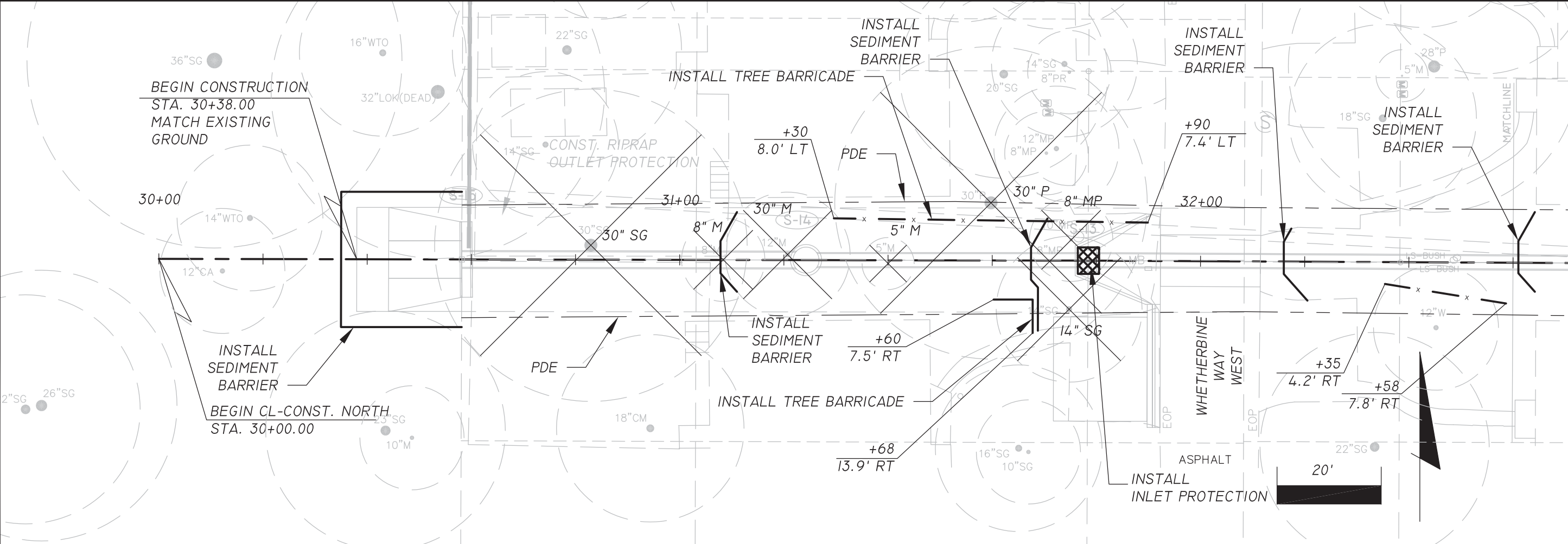


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SHEET
**TREE PROTECTION/
REMOVAL AND
EROSION CONTROL**

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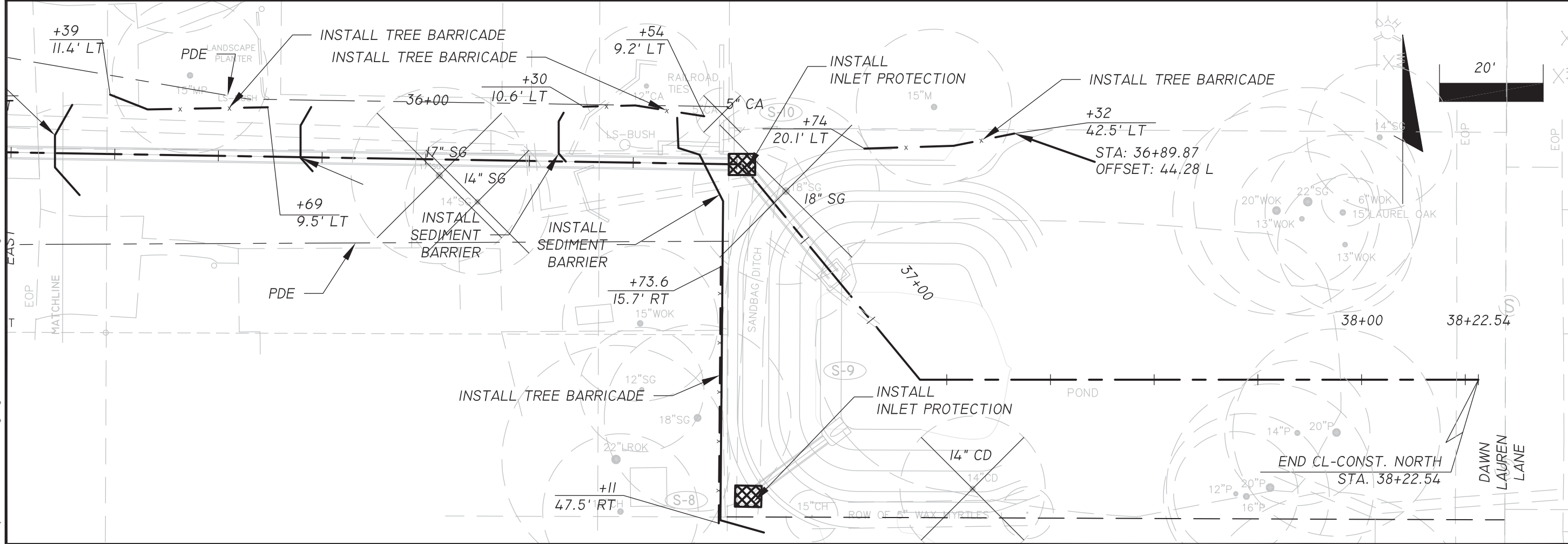
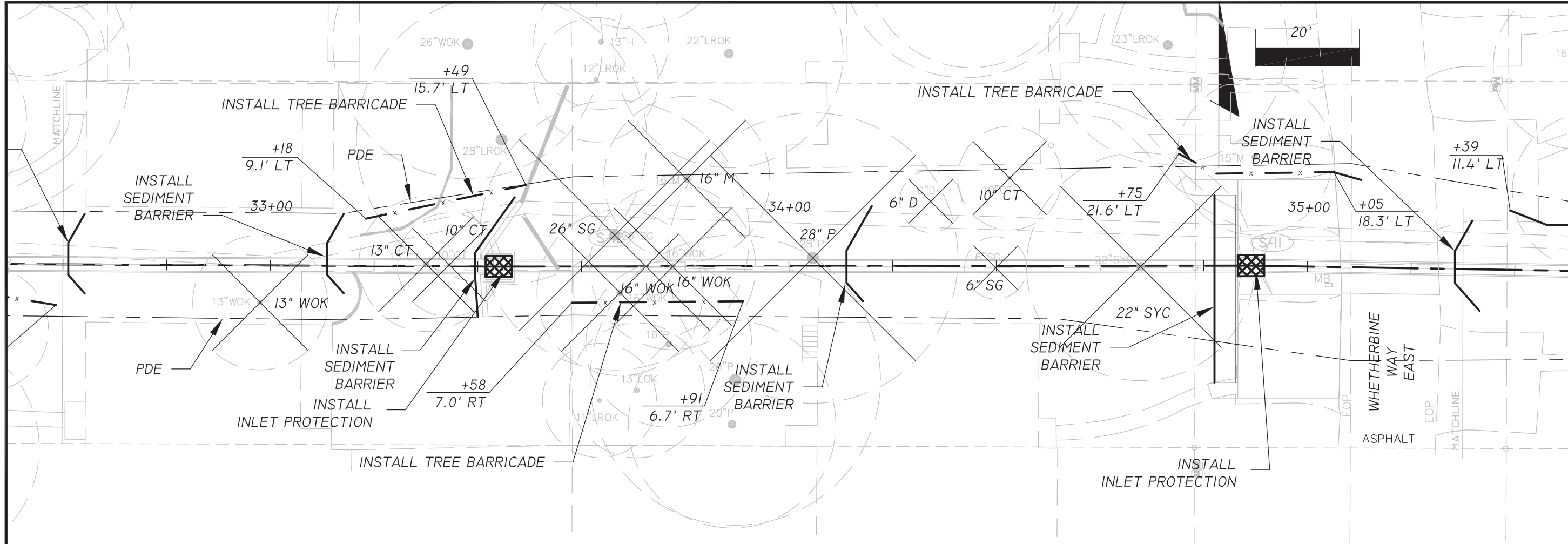


PROJECT
**BRECKENRIDGE ON PARK
DRAINAGE IMPROVEMENTS**

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ENGINEER OF RECORD LANE P. LUCAS P.E. Eutaw, Inc. 2822 Remington Green Circle Tallahassee, FL 32308 P.E. NO. 53596	Date
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SHEET TREE PROTECTION/ REMOVAL AND EROSION CONTROL	
PROJECT BRECKENRIDGE ON PARK DRAINAGE IMPROVEMENTS	
Eutaw, Inc. Engineering Utilities, Transportation, and Water 2822 Remington Green Cir., Suite 202 Tallahassee, FL 32308 PHONE: (850) 383-0400 www.eutawinc.com Certificate of Authorization #9961	
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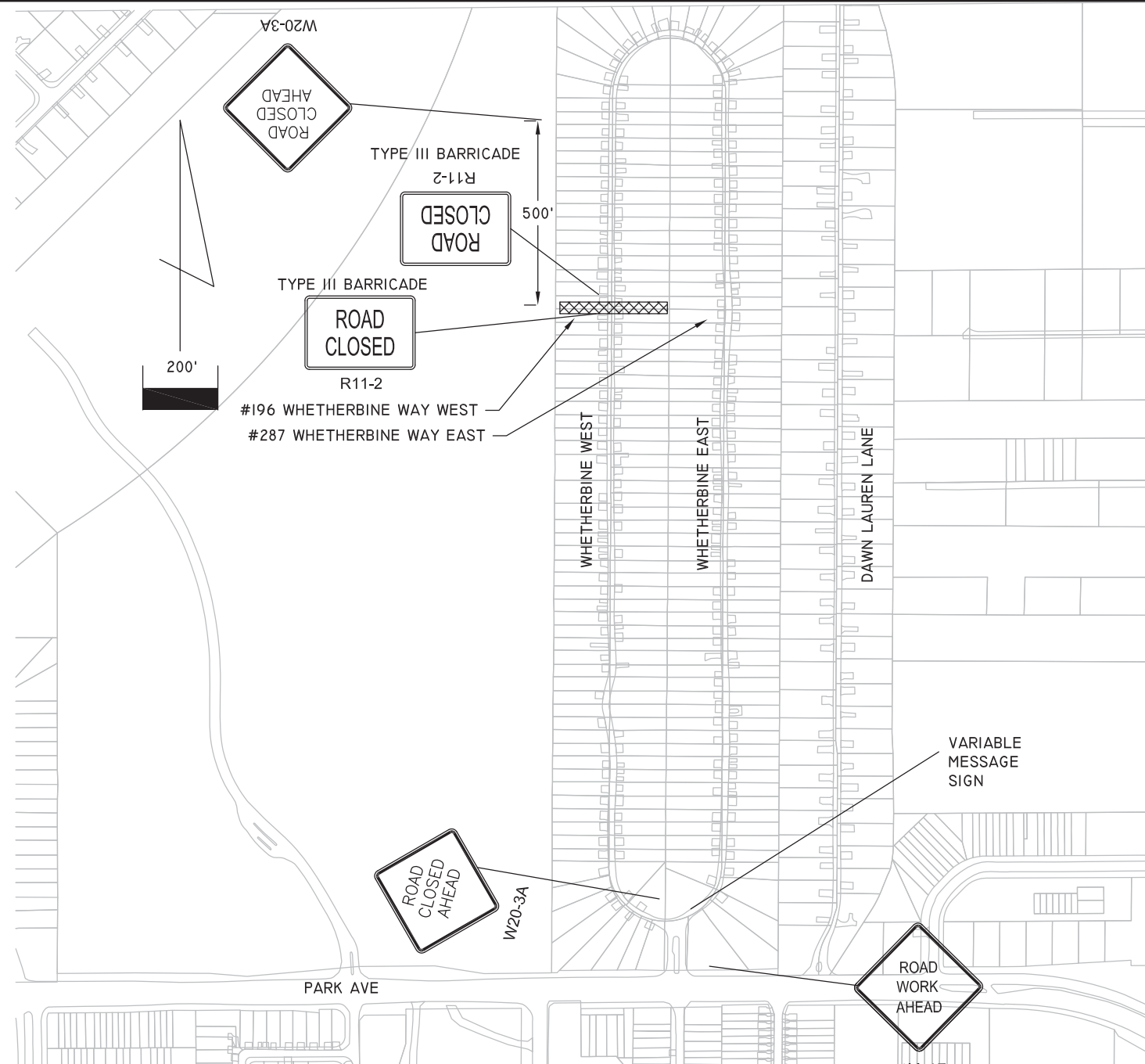
TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN THAT DESCRIBES THE MEASURES TO BE EMPLOYED DURING CONSTRUCTION TO WARN MOTORISTS AND PEDESTRIANS OF HAZARDS, TO ADVISE MOTORISTS OF THE PROPER TRAVEL PATH THROUGH OR AROUND THE WORK AREA, TO DELINEATE AREAS WHERE TRAFFIC SHOULD NOT OPERATE, AND TO SEPARATE AND PROTECT MOTORISTS, PEDESTRIANS, AND THE WORK FORCE DURING ALL PHASES OF THE WORK. THE PLAN SHALL ALSO CONSIDER ACCESS TO BUSINESSES WITHIN THE CONSTRUCTION AREA AND PROVIDE BUSINESS ENTRANCE SIGNS TO ROUTE MOTORISTS TO DESIGNATED PARKING AREAS. THE CONTRACTOR SHALL OBTAIN APPROVAL OF THE TRAFFIC CONTROL PLAN FROM THE CITY OF TALLAHASSEE TRAFFIC MOBILITY MANAGEMENT SECTION PRIOR TO BEGINNING CONSTRUCTION. PAYMENT FOR PREPARING AND SUBMITTING THE TRAFFIC CONTROL PLAN SHALL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION.
2. ACCESS TO BUSINESS AND RESIDENTIAL DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES.
3. NO ROADWAYS (INCLUDING COUNTY ROADS) SHALL BE CLOSED WITHOUT PRIOR APPROVAL OF THE CITY OF TALLAHASSEE TRAFFIC MOBILITY MANAGEMENT SECTION.
4. ALL TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND/OR THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS, 600 SERIES.
5. ALL TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE THE START OF CONSTRUCTION ON AFFECTED ROADWAYS.
6. WARNING LIGHTS SHALL BE USED ON BARRICADES DURING HOURS OF DARKNESS IN ACCORDANCE WITH INDEX NO. 600.
7. ON WHETHERBINE WAY EAST AND WEST, ROADWAY SEGMENTS UNDER CONSTRUCTION MAY BE CLOSED TO THROUGH TRAFFIC. ONLY ONE PORTION OF WHETHERBINE WAY MAY BE CLOSED AT ANY TIME.
8. WORK SHALL BE SCHEDULED WHERE ONLY ONE ROADWAY SEGMENT IS UNDER CONSTRUCTION AT A TIME.
9. ALL SIGNING AND ADVANCE WARNING SHALL BE INSTALLED PRIOR TO CLOSING ROAD SEGMENTS.

SUGGESTED CONSTRUCTION SEQUENCE

THE FOLLOWING SEQUENCE IS RECOMMENDED FOR THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS:

- I. INSTALL EROSION CONTROL FEATURES
2. CLEARING AND GRUBBING
3. UTILITY ADJUSTMENTS
4. STORM SEWER CONSTRUCTION
5. RETAINING WALL CONSTRUCTION
6. POND GRADING
7. ROADWAY STABILIZATION
8. OPTIONAL BASE CONSTRUCTION
9. CURB CONSTRUCTION
10. DRIVEWAY CONSTRUCTION
- II. PERMANENT EROSION CONTROL



PHASE NOTES:

1. MOT SIGNING SHOWN FOR WORK ON WHETHERBINE WAY WEST. MIRROR FOR WHETHERBINE WAY EAST ROADWAY WORK.
2. VARIABLE MESSAGE SIGN SHOWN FOR WHETHERBINE WAY WEST CROSSING. ADJUST FOR OTHER ROAD WORK LOCATIONS. ONLY ONE ROADWAY CLOSURE IS ALLOWED AT ONE TIME.

MESSAGE 1
**WHTHRBN
 CLOSED
 AT #196**

MESSAGE 2
**USE
 WHTHRBN
 EAST**

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TRAFFIC CONTROL PLAN
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BRECKENRIDGE ON PARK
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