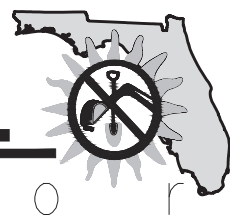




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sunshine state

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Approved on
9-15-21



CONSTRUCTION PLANS FOR: BUSY BEE NO. 7 SERVICE AREA EXPANSION

PREPARED FOR:

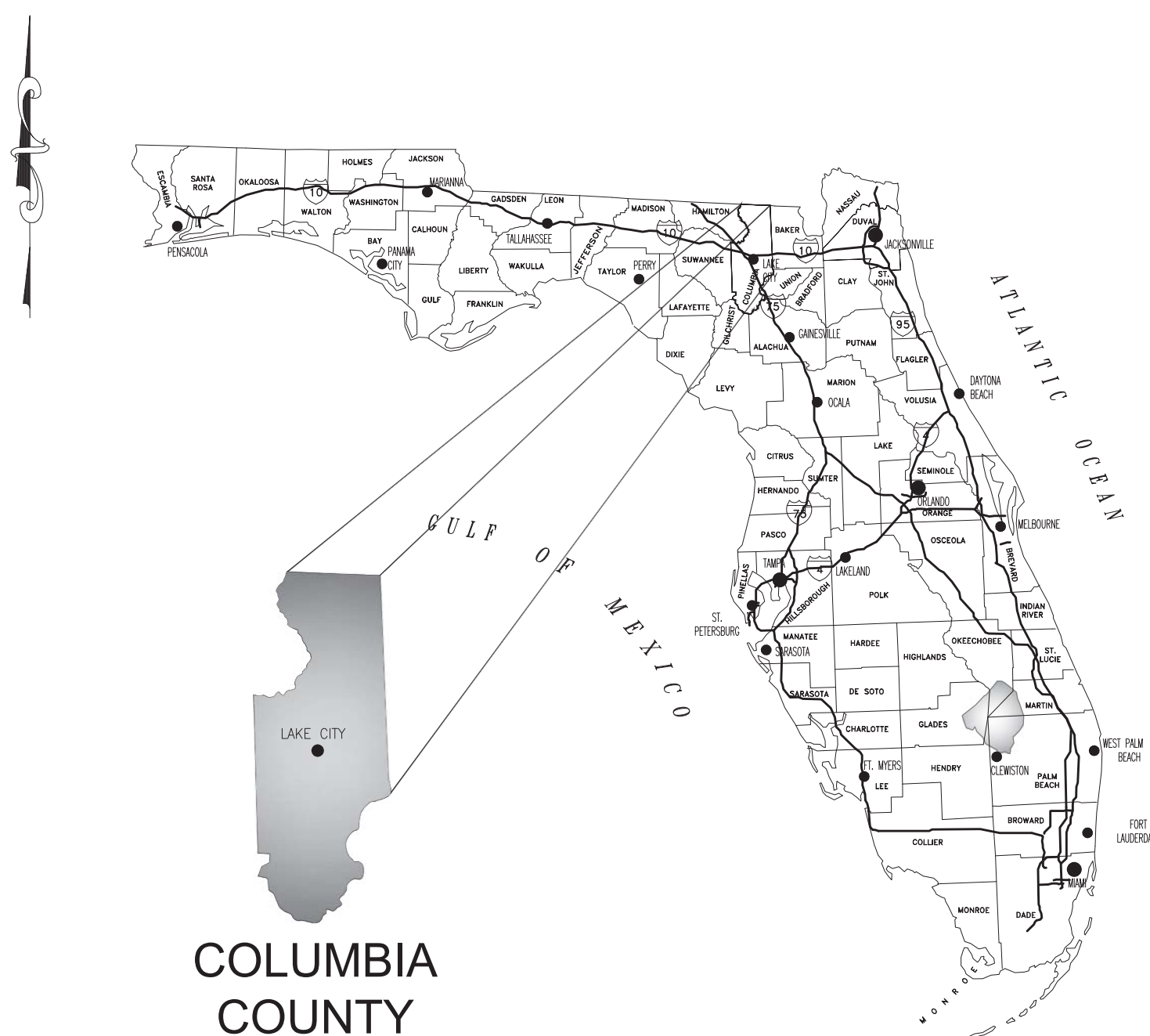
JOHNSON & JOHNSON, INC.

COLUMBIA COUNTY, FLORIDA



CONSTRUCTION DOCUMENTS

VICINITY MAP

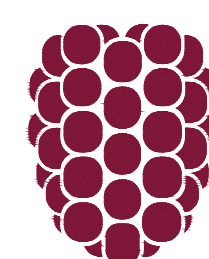


OWNER, DEVELOPER, AGENT

OWNER/DEVELOPER: JOHNSON & JOHNSON, INC.
P.O. BOX 157
MADISON, FLORIDA 32341
(850) 973-2277

ENGINEER/AGENT: DEWBERRY ENGINEERS, INC.
101 N. MONROE ST., SUITE 710
TALLAHASSEE, FL 32301
PHONE 850.523.0062

SITE ADDRESS: 4772 NW US HIGHWAY 41
LAKE CITY, FL 32055



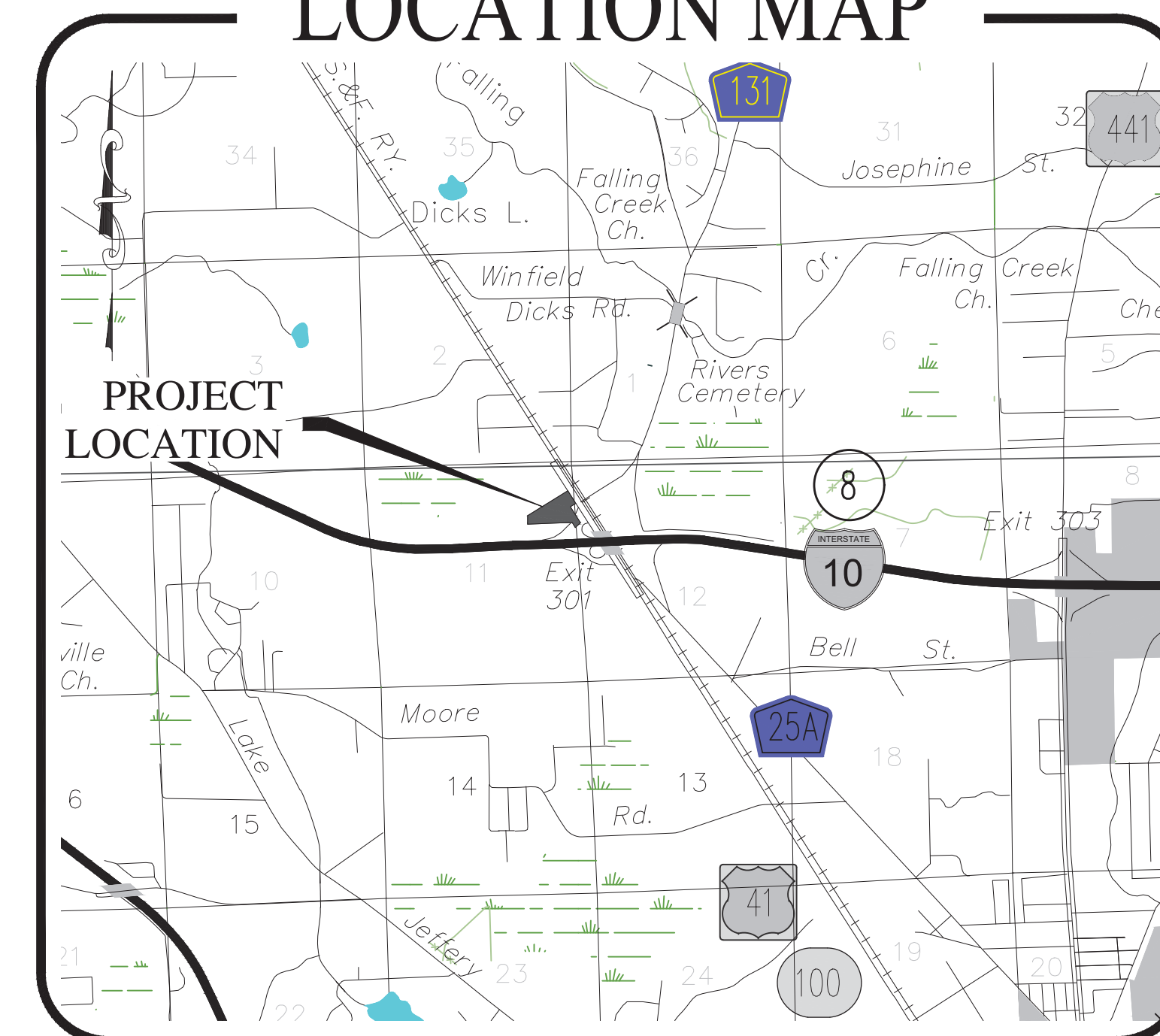
PREPARED BY:
Dewberry[®]

101 N. MONROE ST., SUITE 710, TALLAHASSEE, FL 32301
850.523.0062

PROJECT NUMBER - 50136924

AUGUST 2021

LOCATION MAP



ERRORS AND OMISSIONS, IF ANY, IN THESE CONSTRUCTION DOCUMENTS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.

GENERAL CONTRACTOR TO THOROUGHLY INSPECT EXISTING CONDITIONS PRIOR TO SUBMITTING BIDS. ANY DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS SHALL BE NOTED AT ONCE AND CALLED TO THE ENGINEER'S ATTENTION 48 HOURS PRIOR TO SUBMITTING BIDS.

ALL CORRESPONDENCE IN REGARDS TO THESE CONSTRUCTION / BID DOCUMENTS SHALL BE DIRECTED TO WILLIAM A. MENADIER, P.E. AT DEWBERRY ENGINEERS, INC. 654 SOUTHEAST BAYA DR. LAKE CITY, FLORIDA 32025

GOVERNING STANDARDS AND SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS LATEST EDITION, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION, AS AMENDED BY CONTRACT DOCUMENTS. For Design Standards Modifications click on "Design Standards" at the following web site:
<http://www.dot.state.fl.us/rddesign/>

William A. Menadier, PE
Digitally signed by William A. Menadier, PE
Date: 2021.09.02 15:57:54 -04'00'

WILLIAM A. MENADIER, P.E.
NO. 74581

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY WILLIAM A. MENADIER, PE. ON THE DATE NOTED ON THE ELECTRONIC SIGNATURE.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

DATE:

BUSY BEE #7

SERVICE AREA EXPANSION

JOHNSON & JOHNSON, INC.
COLUMBIA COUNTY, FLORIDA

THIS ITEM HAS BEEN DIGITALLY SIGNED AND
SEALED BY WILLIAM A. MENADIER, PE. ON THE
DATE NOTED ON THE ELECTRONIC SIGNATURE.

WILLIAM A. MENADIER, P.E. 74581
COA# 8794

SCALE

NO SCALE

[illegible]

NO.	DESCRIPTION	DATE
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DRAWN BY JAL

APPROVED BY JBB

— CHECKED BY WAM

DATE AUGUST 2021

TITLE

PROJECT NO.	50136924
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C2

SHEET NO.

- 1) THE CONTRACTOR SHALL LOCATE AND VERIFY ALL EXISTING UTILITIES, PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL COORDINATE THE RELOCATION OF ANY AND ALL UTILITIES, AS REQUIRED BY THE PLANS AND UTILITY COMPANIES, TO CONSTRUCT THE PROPOSED IMPROVEMENTS. UNLESS OTHERWISE NOTED, CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE COST OF SAID RELOCATION. CONTRACTOR SHALL ALSO NOTIFY UTILITY OWNERS THROUGH SUNSHINE ONE CALL (800-432-4770) AT LEAST 2 FULL DAYS PRIOR TO EXCAVATION OR DEMOLITION, AND UTILITY OWNERS NOT COVERED BY THIS PROGRAM.
- 2) MINIMUM COMPACTION SHALL BE PROVIDED FOR THE PROPOSED PAVEMENT AND SURROUNDING AREAS BY THE GEOTECHNICAL ENGINEER. ANY BORROW MATERIAL SHALL, IF REQUIRED, BE PROVIDED BY THE CONTRACTOR BASED ON GEOTECHNICAL FINDINGS AND COMMENTS. CONTRACTOR SHALL UTILIZE SUITABLE SOIL ON SITE FOR ANY BORROW MATERIAL. FOLLOWING FINAL GRADE, ANY STOCKPILED TOPSOIL SHALL BE SPREAD OVER DISTURBED AREAS OR OWNERS PROPERTY AS NEEDED. THE SOIL SHALL BE STABILIZED AS SPECIFIED IN SWPPP TO PREVENT EROSION ON SITE. GEOTECHNICAL INVESTIGATION CONDUCTED BY NB GEO SERVICES, LLC, LAKE CITY, FL, #16-00002.
- 3) WHERE REFERENCE IS MADE TO A STANDARD INDEX OR DETAIL, THE FDOT DESIGN STANDARDS, CURRENT EDITION, SHALL BE UTILIZED AS IF A PART OF THESE PLANS. CONTRACTOR MAY SUBSTITUTE FDOT ITEMS FOR THE INFRASTRUCTURE CONSTRUCTION; ANY SUBSTITUTIONS SHALL HAVE A 50 YEAR LIFESPAN. CONTRACTOR/OWNER WILL BE REQUIRED TO PROVIDE DESIGNS OR VERIFICATION OF SUBSTITUTE. ALL SIGNS REFERRED TO IN THE PLANS SHALL BE IN ACCORDANCE WITH MUTCD (MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES) LATEST EDITION.
- 4) UNLESS OTHERWISE NOTED OR DETAILED ON THE PLANS OR IN THE SPECIFICATIONS, THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, SHALL BE THE GOVERNING SPECIFICATIONS FOR MATERIALS AND CONSTRUCTION FOR SITE WORK.
- 5) NO MUNICIPAL WATER OR SEWER SYSTEM IS AVAILABLE. THE DEVELOPMENT SHALL UTILIZE AN ON-SITE WELL FOR DOMESTIC WATER AND A SEPTIC TANK AND DRAINFIELD FOR SANITARY WASTE AND TREATMENT. CONSTRUCTION SHALL COMPLY WITH COLUMBIA COUNTY SPECIFICATIONS, AS WELL AS THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND COUNTY DEPARTMENT OF HEALTH.
- 6) THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. THE CONTRACTOR SHALL ALSO MAINTAIN EROSION CONTROL DEVICES DURING CONSTRUCTION TO PREVENT SEDIMENT FROM LEAVING THE PROJECT SITE AND ENTERING THE STORMWATER POND. THE EROSION CONTROL DEVICES SHOWN ON THE EROSION CONTROL (SWPPP) PLANS ARE THE MINIMUM REQUIRED AND SHALL BE MAINTAINED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. ADDITIONAL EROSION CONTROLS MAY BE REQUIRED BY THE INSPECTOR TO CONTROL SEDIMENTS AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL STORMWATER RUNOFF SHALL BE CONTROLLED DURING THE COURSE OF CONSTRUCTION IN SUCH A MANNER AS TO PREVENT DAMAGE OR DETRIMENTAL HARM TO OFFSITE PROPERTIES. THE CONTRACTOR SHALL REFER TO THE "FLORIDA STORMWATER EROSION AND SEDIMENT CONTROL INSPECTORS MANUAL" FOR ADDITIONAL EROSION CONTROL MEASURE AND ALTERNATIVES. CONTRACTOR SHALL SEEK APPROVAL FROM THE ENGINEER OF RECORD FOR ANY SUBSTITUTIONS TO THE EROSION CONTROL MEASURES.
- 7) ALL DISTURBED AREAS SHALL BE STABILIZED PER THE SWPPP. DISTURBED AREAS OUTSIDE THE SILT FENCED PERIMETER SHALL BE STABILIZED IMMEDIATELY AFTER FINAL GRADE IS ACHIEVED. ALL DISTURBED AREAS TO BE LEFT IDLE FOR MORE THAN 14 DAYS SHALL BE STABILIZED WITH QUICK GROW GRASS SEED AND MULCH. THE CONTRACTOR SHALL WARRANTY LANDSCAPING FOR A MINIMUM OF 1 YEAR AFTER ACCEPTANCE UNLESS OTHERWISE NOTED.
- 8) AS-BUILTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. IF THE AS-BUILT SURVEY INDICATES AN AREA OF INCOMPLETE OR UNACCEPTABLE WORK, THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING THE NECESSARY REPAIRS, AS DIRECTED BY THE ENGINEER, OR COLUMBIA COUNTY. CONTRACTOR WILL BE REQUIRED TO PROVIDE UPDATED AS-BUILTS TO DEMONSTRATE COMPLIANCE WITH THE PLANS AND PERMITS. ALL FINAL AS-BUILT SURVEYS ARE REQUIRED TO BE CERTIFIED BY A FLORIDA REGISTERED PROFESSIONAL. AS-BUILTS ARE REQUIRED TO RECEIVE FINAL C.O.'S. TEMPORARY C.O.'S MAY BE ISSUED PRIOR TO FINAL CLOSE OUT. IF THE CONTRACTOR IS SEEKING TEMPORARY C.O.'S, ALL ASSOCIATED INFRASTRUCTURE, LANDSCAPING, PARKING ETC... SHALL BE COMPLETED.
- 9) ALL WORK WITHIN FDOT RIGHT-OF-WAY SHALL CONFORM TO THE MOST RECENT DEPARTMENT STANDARDS AND SPECIFICATIONS.

1. CONTRACTOR WILL BE RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION CONFERENCE WITH THE OWNER, COLUMBIA COUNTY, ENGINEER, FDOT AND ALL OTHER PARTIES REQUIRED FOR COMMENCEMENT OF PROJECT. THIS MEETING SHALL TAKE PLACE PRIOR TO COMMENCEMENT OF ANY PROJECT RELATED ACTIVITIES. PRIOR TO ANY CONSTRUCTION THE PERMIT MUST BE POSTED WITHOUT NAILING TO ANY TREE ON SITE. THE NAME AND PHONE NUMBER OF THE SEDIMENT AND EROSION CONTROL OFFICER SHALL BE PROVIDED AT THE PRE CONSTRUCTION MEETING.
2. THE CONTRACTOR SHALL ENSURE THAT A FOREMAN OR SUPERVISOR WHO HAS BEEN CERTIFIED UNDER FLORIDA STORMWATER, EROSION, AND SEDIMENTATION CONTROL INSPECTOR TRAINING PROGRAM IS AVAILABLE IN PERSON OR BY TELEPHONE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES. CONSTRUCTION SHALL NOT COMMENCE UNTIL INFORMATION (NAME AND PHONE NUMBER) OF CERTIFIED STORMWATER EROSION AND SEDIMENT CONTROL INSPECTOR HAS BEEN PROVIDED TO THE ENGINEER.
3. PRIOR TO DISTURBANCE, A SILT FENCE BACKED WITH 4' HOG WIRE FENCE (TRENCHED 8 INCHES DEEP AND BACKFILLED ON THE UPHILL SIDE), SHALL BE INSTALLED AS SHOWN ON THE PLANS. SILT FENCE MUST NOT BE TRENCHED WITHIN THE CPZ OF ANY TREES TO BE PROTECTED. EROSION CONTROL SHOWN ON PLANS IS REQUIRED. ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES MAY BE REQUIRED DURING ANY PHASE OF THE DEVELOPMENT, AT THE DISCRETION OF COLUMBIA COUNTY OR THE ENGINEER. COLUMBIA COUNTY MAY REQUIRE ADDITIONAL MEASURES TO PREVENT ADDITIONAL EROSION CONTROL. CONTRACTOR SHALL PROVIDE OUTLET PROTECTIONS FOR SEDIMENTS THAT MAY ENTER THE STORMWATER FACILITY. CONTRACTOR WILL BE RESPONSIBLE FOR CLEANING THE POND AFTER CONSTRUCTION TO REMOVE ALL SEDIMENT AND GRADE TO PROPOSED ELEVATIONS. CONTRACTOR WILL BE RESPONSIBLE FOR THE CONDITION OF THE POND DURING CONSTRUCTION AND SHALL USE A TURBIDITY BARRIER AT EACH POND CONNECTION TO PREVENT SEDIMENTATION ENTERING THE POND.
4. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED SHALL BE STABILIZED WITH PERMANENT SOD OR OTHER PERMANENT STABILIZATION METHODS.
5. CREATE DIVERSION CHANNELS IF NECESSARY TO DIRECT STORM WATER FLOW TO THE CONVEYANCE SYSTEM. CONSTRUCT HAY BALE CHECK DAMS WHERE NEEDED TO TRAP SEDIMENT BEFORE IT REACHES THE CONVEYANCE SYSTEM OR POND. DO NOT BLOCK ACCESS DRIVES.
6. CARE SHALL BE TAKEN TO ASSURE THE REMOVAL OF ACCUMULATED FINE SEDIMENTS FROM THE POND AND THAT THE EXCESSIVE COMPACTION OF SOIL BY CONSTRUCTION MACHINERY IS AVOIDED. INLET(S)/OUTFALLS SHALL BE PROTECTED WITH FILTER FABRIC AND PROPERLY INSTALLED HAY BALES.
7. ALL SEDIMENT IS TO BE CAPTURED ON THE PROJECT SITE. ANY SEDIMENT ESCAPING THE PROJECT SITE WILL BE REQUIRED TO BE REMOVED AND RESTORED INCLUDING THE TRACKING OF SOIL ON STREETS. THIS INCLUDES SEDIMENT INTO COUNTY & STATE WATERS AND THE POND. CONTRACTOR WILL BE RESPONSIBLE FOR ANY SEDIMENT ENTERING THE COUNTY AND STATE WATERS OR POND AND WILL BE RESPONSIBLE FOR ITS REMOVAL.
8. DAILY SWEEPING WILL BE REQUIRED ON THE SITE AND IMMEDIATELY AFTER STORM EVENTS TO PREVENT TRACKING OF SEDIMENT ON TO STREETS AND RIGHT OF WAY OR POND.
9. TWO WEEKS PRIOR TO FINAL INSPECTION, THE CONTRACTOR SHALL HAVE A WALK THROUGH WITH THE ENGINEER AND FDOT AND A PUNCH LIST SHALL BE PREPARED. ONCE ALL PUNCH LIST ITEMS ARE ADDRESSED TO SATISFY THE PERMIT CONTRACTOR SHALL ALSO SCHEDULE A WALK THROUGH WITH THE OWNER, ENGINEER AND COLUMBIA COUNTY UPON COMPLETION.
10. CONTRACTOR SHALL PAY FOR AND PROVIDE THE ENGINEER WITH TWO (2) COPIES OF A SIGNED AND SEALED AS-BUILT SURVEY OF ALL INFRASTRUCTURE, STORMWATER FACILITY AND ASSOCIATED CONVEYANCES, INCLUDING LANDSCAPE IMPROVEMENTS AND ELECTRONIC CADD FILE.

- 1) EROSION CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE A WEEK AND AFTER EVERY 1/2" OF RAINFALL. REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
- 2) SYNTHETIC HAY BALES SHALL BE USED IN AREAS WHERE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS. INSPECTION OF THE SYNTHETIC HAY BALES SHALL TAKE PLACE IMMEDIATELY AFTER EACH RAINFALL AND ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. SYNTHETIC HAY BALES SHALL BE PER FOOT SPECIFICATIONS.
- 3) INLET(S)/OUTFALLS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAIN EVENT AND ANY REQUIRED REPAIRS TO THE HAY BALES, SILT FENCE, OR FILTER FABRIC SHALL BE PERFORMED IMMEDIATELY.
- 4) BARE AREAS OF THE SITE THAT WERE PREVIOUSLY SEEDED OR SODDED SHALL BE RESEED OR RESODDED PER MANUFACTURES' INSTRUCTIONS.
- 5) MULCH AND SOD THAT HAS BEEN WASHED OUT SHALL BE REPLACED IMMEDIATELY. CONTRACTOR SHALL PIN SOD ON SLOPES STEEPER THAN 3:1
- 6) MAINTAIN ALL AREAS OF THE SITE WITH PROPER CONTROLS AS NECESSARY OR REQUIRED BY COLUMBIA COUNTY.
- 7) IF PROPOSED EROSION AND SEDIMENTATION CONTROLS ARE FOUND INEFFECTIVE OR IN NEED OF MAINTENANCE, THE COUNTY MAY DIRECT INSTALLATION OF ADDITIONAL MEASURES TO PROTECT THE ENVIRONMENT. THE ENGINEER SHALL FURNISH THE CONTRACTOR WITH INFORMATION PERTAINING TO THE CONSTRUCTION, OPERATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL PRACTICES PER FLORIDA ADMINISTRATIVE CODE CHAPTER 62-25.025(7).

CONTRACTOR SHALL CONTROL EROSION WITHIN THE PROJECT LIMITS SUCH THAT THERE ARE NO NEGATIVE IMPACTS DOWNSTREAM OF THE PROJECT DUE TO UNCONTROLLED EROSION OR SEDIMENTATION. SHOULD ADDITIONAL BMP'S BE REQUIRED TO CONTROL EROSION AND SEDIMENTATION, THE CONTRACTOR SHALL PROVIDE A SUPPLEMENTARY STORMWATER POLLUTION PROTECTION PLAN WITH APPROPRIATE BMP'S PLACED AS NEEDED. CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESCAPE OF ANY SEDIMENT FROM THE PROJECT SITE. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL IMPACTS RESULTING FROM SUCH EVENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF DOWNSTREAM IMPACTS DUE TO THE RELEASE OF SEDIMENTS FROM THE SITE INCLUDING BUT NOT LIMITED TO SEDIMENTATION AND EROSION THAT MAY RESULT FROM THE BUILDUP OF SUCH SEDIMENTS DOWNSTREAM OF THE PROJECT. CONTRACTOR SHALL FULLY BEAR THE FINANCIAL COST OF ANY PENALTIES OR FINES RESULTING FROM SUCH EVENTS.

1. ANY ONSITE SEWAGE DISPOSAL SYSTEM SHALL BE IN ACCORDANCE W/ COLUMBIA COUNTY DEPARTMENT OF HEALTH AND F.A.C. 64E-6.
2. CONTACT COLUMBIA COUNTY DEPARTMENT OF HEALTH AT (386) 758-1068 FOR MORE INFORMATION.

1. THE CONTRACTOR SHALL SUBMIT THE FOLLOWING SHOP DRAWINGS FOR APPROVAL TO THE CIVIL ENGINEER. HARD COPIES MAY BE SENT TO JOSHUA BAXLEY, P.E. AT 654 SOUTHEAST BAYA DRIVE, LAKE CITY, FL 32025. ELECTRONIC COPIES ARE ALSO ACCEPTABLE AND MAY BE SENT TO JBAXLEY@DEWBERRY.COM. PLEASE CONFIRM RECEIPT OF ELECTRONIC COPIES WITH ENGINEER. IT SHOULD BE NOTED ADDITIONAL SHOP DRAWINGS MAY BE REQUIRED BY OTHER DISCIPLINES.

- A) ASPHALT MIX DESIGN
- B) CONCRETE MIX DESIGN
- C) WATER DISTRIBUTION SYSTEM PIPING
- D) BACKFLOW PREVENTION DEVICES
- E) SANITARY AND GREASE WASTE SYSTEM DISTRIBUTION PIPING
- F) STORM OUTFALL CONTROL STRUCTURE AND STORM PIPING
- G) GUIDE RESULTS OF COMPACTION TESTING IN PAVEMENT AREAS, ONE TEST PER 5,000 SF

1. CONTACT DEWBERRY AT 386-719-9985 TO OBTAIN AN ELECTRONIC COPY OF THE GEOTECHNICAL REPORT. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIALS.
2. ALL SOILS WITHIN PAVED AREAS (INCLUDING A MINIMUM OF 5 FEET OUTSIDE THE PERIMETER) SHOULD BE DENSIFIED WITH OVERLAPPING PASSES OF APPROPRIATE COMPACTION EQUIPMENT. EXPOSED SURFACES WITHIN THE PAVEMENT AREAS SHOULD BE COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D1557).
3. INITIAL SITE PREPARATIONS SHOULD INCLUDE THE COMPLETE REMOVAL OF TOPSOIL, MUCK, CONCRETE OR ASPHALT PAVEMENT AND ANY OTHER DELETERIOUS MATERIAL ASSOCIATED WITH BURIED UTILITIES. THE REMOVAL OF UNSUITABLE MATERIAL SHALL EXTEND A MINIMUM OF FIVE FEET OUTSIDE THE LIMIT OF ALL STRUCTURE AND PAVED AREAS. ONCE REMOVED ALL EXPOSED SURFACES SHOULD BE DENSIFIED PRIOR TO PLACEMENT OF ANY SUBSEQUENT FILL REQUIRED TO RE-ESTABLISH THE SUBGRADE.
4. STRUCTURAL FILL SHOULD BE PLACED IN THIN LOOSE LIFTS NOT EXCEEDING 12 INCHES IN THICKNESS AND COMPACTED WITH APPROPRIATE EQUIPMENT TO ACHIEVE THE REQUIRED COMPACTION. EACH LIFT OF STRUCTURAL FILL SHALL BE COMPACTED TO A MINIMUM OF 98 PERCENT OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D1557) WITHIN THE PAVEMENT AREAS. STRUCTURAL FILL SHALL CONSIST OF INORGANIC, NON-PLASTIC, GRANULAR SOIL CONTAINING LESS THAN 12 PERCENT MATERIAL PASSING THE NO. 200 SIEVE (UNIFIED SOIL CLASSIFICATION OF SP OR SP-SM).
5. TO ALLEVIATE ADVERSE EFFECTS OF DIFFERENTIAL SETTLEMENT THE NEW STRUCTURAL FILL PLACED WITHIN THE AREAS SURROUNDING THE PREVIOUSLY DEMUCKED DRAINAGE DITCH BE BENCHED IN TO THE EXCAVATION DITCH SIDES. THIS MAY BE ACCOMPLISHED BY CUTTING A MINIMUM 5 FOOT WIDE HORIZONTAL BENCH INTO THE EXISTING SOILS FOR EVERY 12 INCH LIFT OF NEW FILL.
6. REMOVAL OF TOPSOIL, WET AND SOFT/LOOSE SOILS SHOULD BE EXPECTED DURING THE SUBGRADE PREPARATIONS WITHIN PAVEMENT AREAS. IN ADDITION, THE PAVEMENT AREA IS PROPOSED WITHIN THE LIMITS OF THE EXISTING DRAINAGE MOUND LOCATED ON THE NORTH SIDE OF THE SUBJECT PROPERTY. AFTER REMOVAL OF ALL UNSUITABLE MATERIAL FROM THE PAVEMENT AREA ALL EXPOSED SURFACES SHALL BE THOROUGHLY PROOFCOLLED BY A QUALIFIED PROFESSIONAL TO DELINEATE AREAS OF UNSUITABLE SUBGRADE.

1. CONTRACTOR SHALL STAGE AND TIME CONSTRUCTION TO MINIMIZE THE SIZE OF EXPOSED SOIL AREAS AND THE TIME BETWEEN EXPOSING THE SOIL AREA AND FINISHING THE SOIL AREA.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR PERFORMING A TASK TO PROVIDE EROSION CONTROL UNLESS ANOTHER PARTY HAS BEEN PREVIOUSLY SPECIFIED AS RESPONSIBLE FOR THE EROSION CONTROL ASSOCIATED WITH THAT TASK. IN THE EVENT ANOTHER PARTY IS RESPONSIBLE FOR EROSION CONTROL, THE CONTRACTOR SHALL STILL BE RESPONSIBLE FOR COORDINATION WITH THE PARTY RESPONSIBLE. IN THE EVENT THAT DAMAGE TO THE CONSTRUCTED ITEM RESULTS ARE DUE TO LACK OF EROSION CONTROL, THE CONTRACTOR SHALL REPAIR OR REPLACE THE ITEM AT NO CHARGE TO THE OWNER.
3. THE CONTRACTOR IS TO PROVIDE EROSION CONTROL SEDIMENTATION BARRIER (HAY BALES, SILT FENCE, TURBIDITY BARRIER, OR AS SPECIFIED IN THE CONSTRUCTION DRAWINGS) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS, WATERWAYS, AND WETLAND OR JURISDICTIONAL AREAS. IF, IN THE OPINION OF THE ENGINEER, AND/OR REGULATORY AUTHORITIES, EXCESSIVE QUANTITIES OF MATERIAL ARE TRANSPORTED OFF-SITE BY EROSION OR STORMWATER RUNOFF, THE CONTRACTOR SHALL IMPROVE CONDITIONS TO THE SATISFACTION OF THE ENGINEER AND/OR AUTHORITIES AT NO ADDITIONAL COST TO THE OWNER. IN NO CASE SHALL CONSTRUCTION COMMENCE PRIOR TO INSTALLATION OF EROSION CONTROL/SEDIMENTATION BARRIER.
4. CONTRACTOR SHALL PLACE STRAW, MULCH, OR OTHER SUITABLE MATERIAL (OR AS SPECIFIED IN THE PLANS) ON THE GROUND IN AREAS WHERE CONSTRUCTION RELATED TRAFFIC IS TO ENTER AND EXIT SITE.
5. IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR SHALL STABILIZE THE AREA USING SPRINKLING IRRIGATION OR OTHER ACCEPTABLE METHODS.



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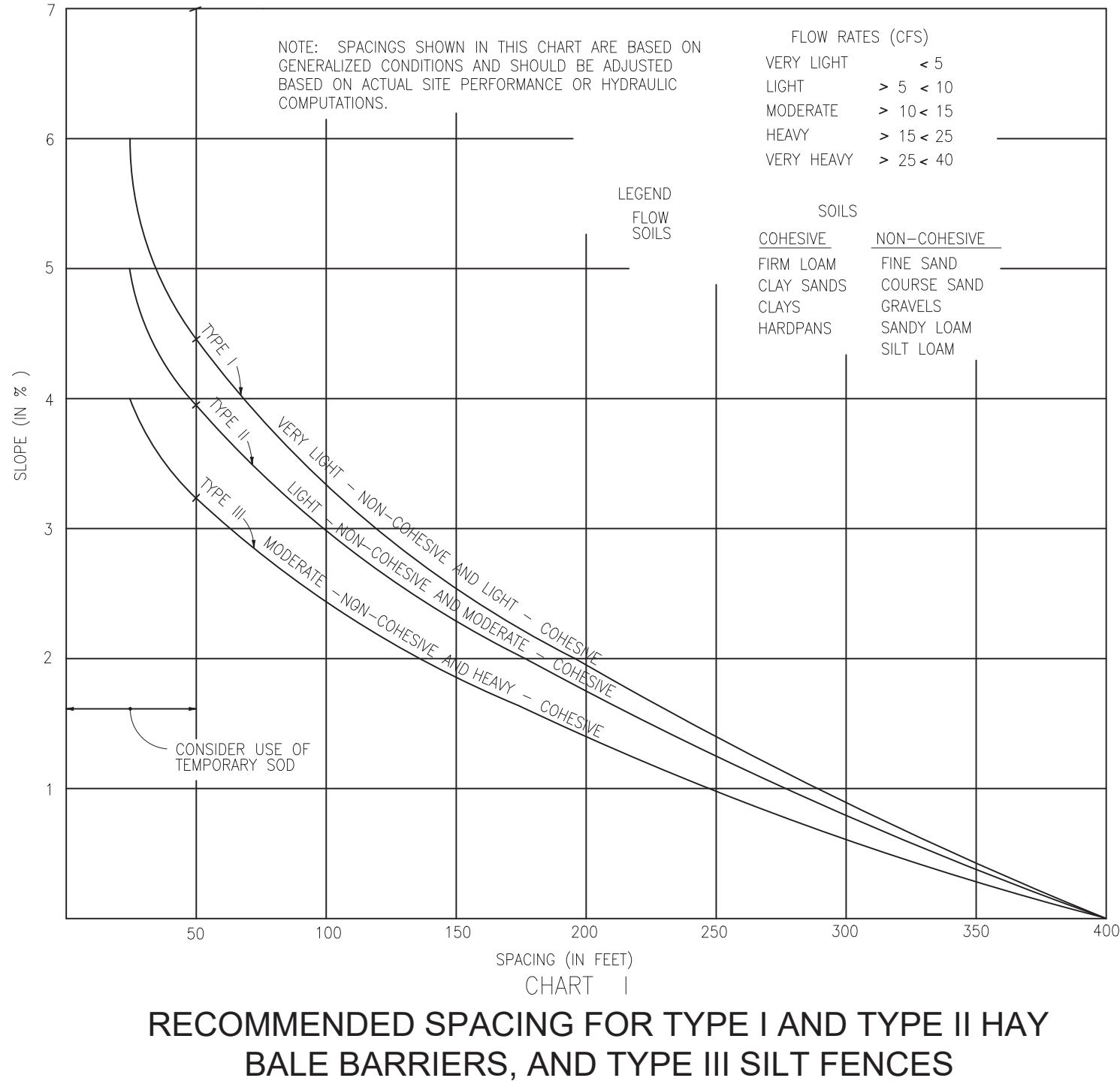
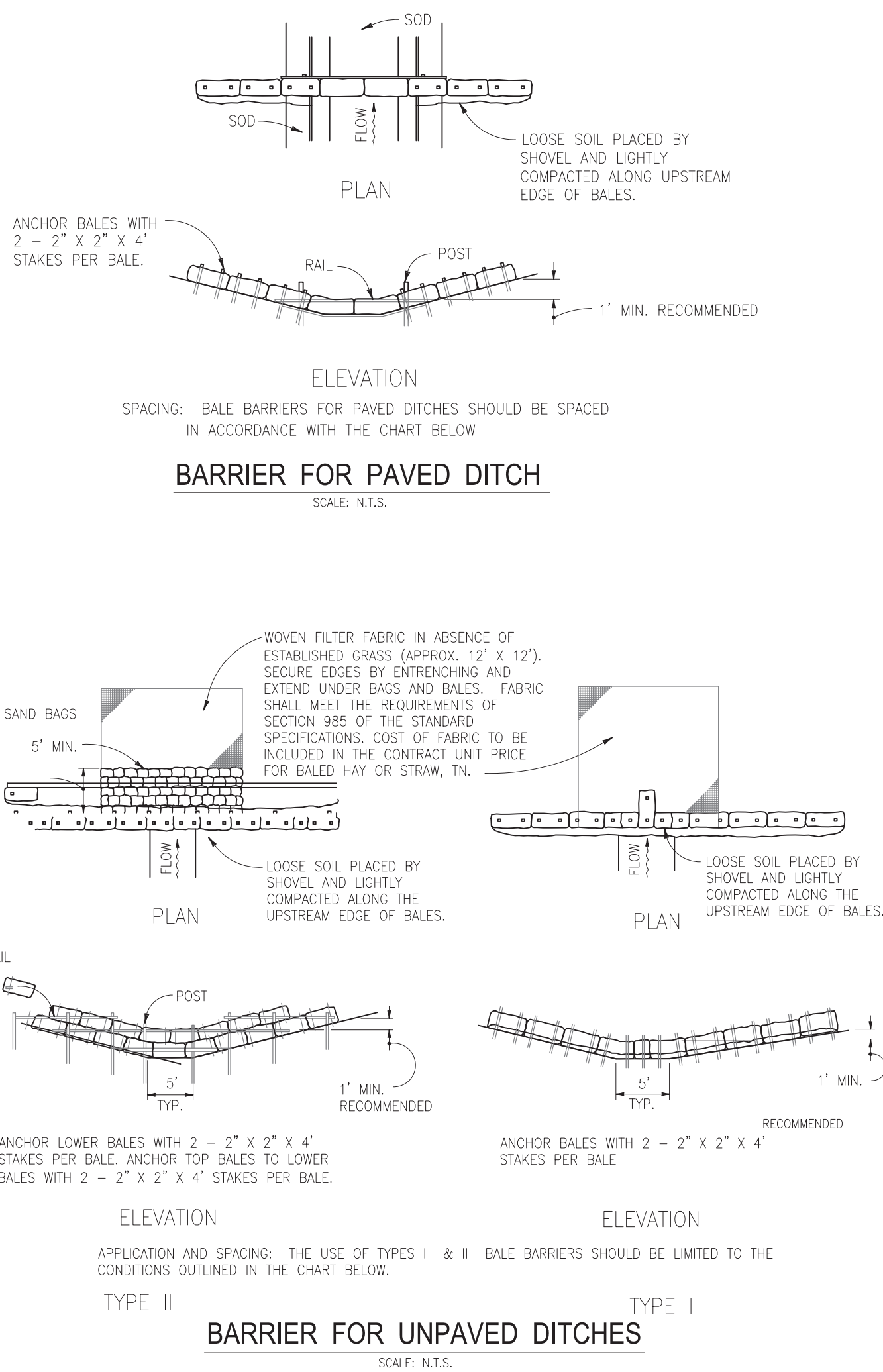
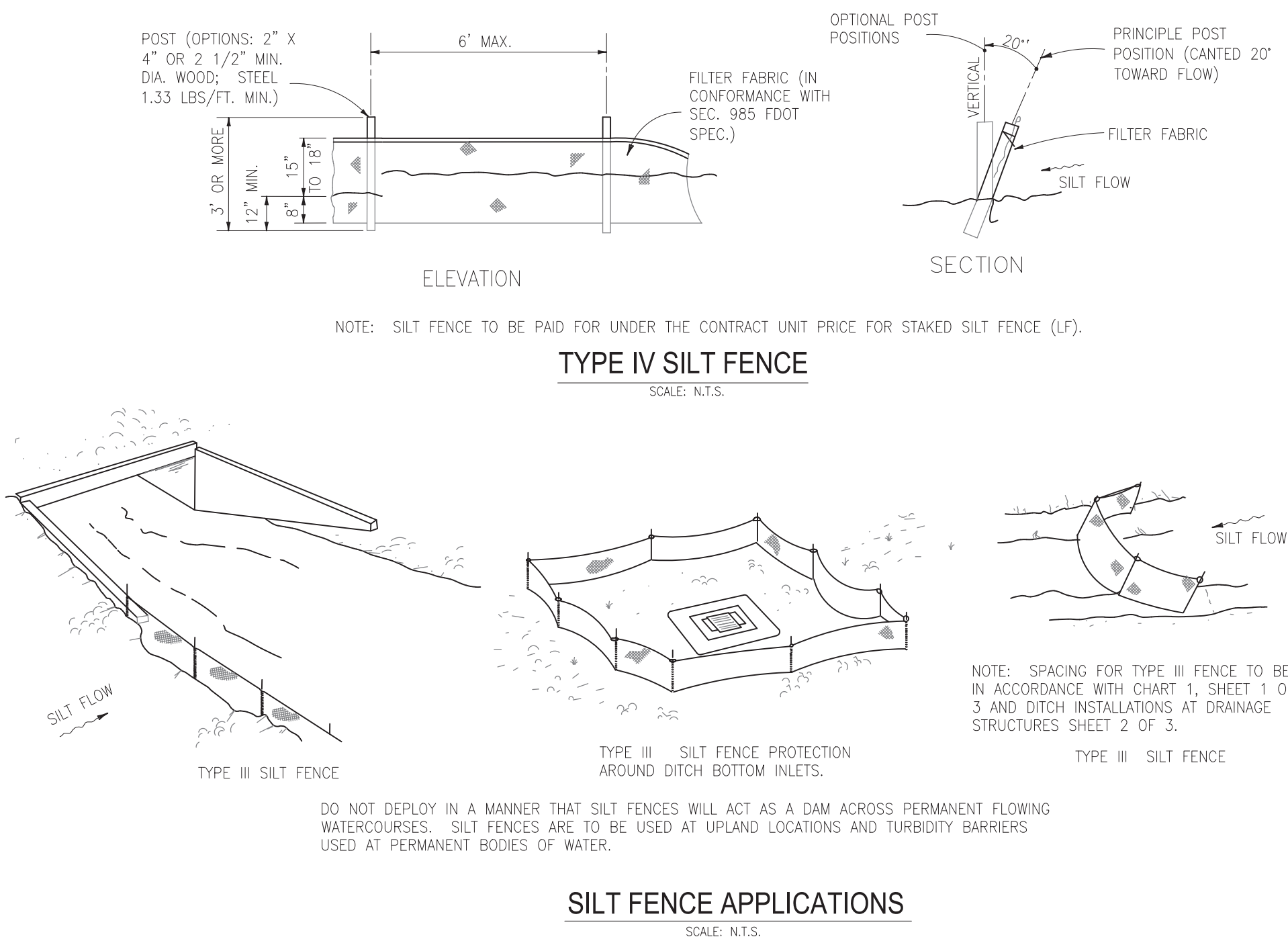
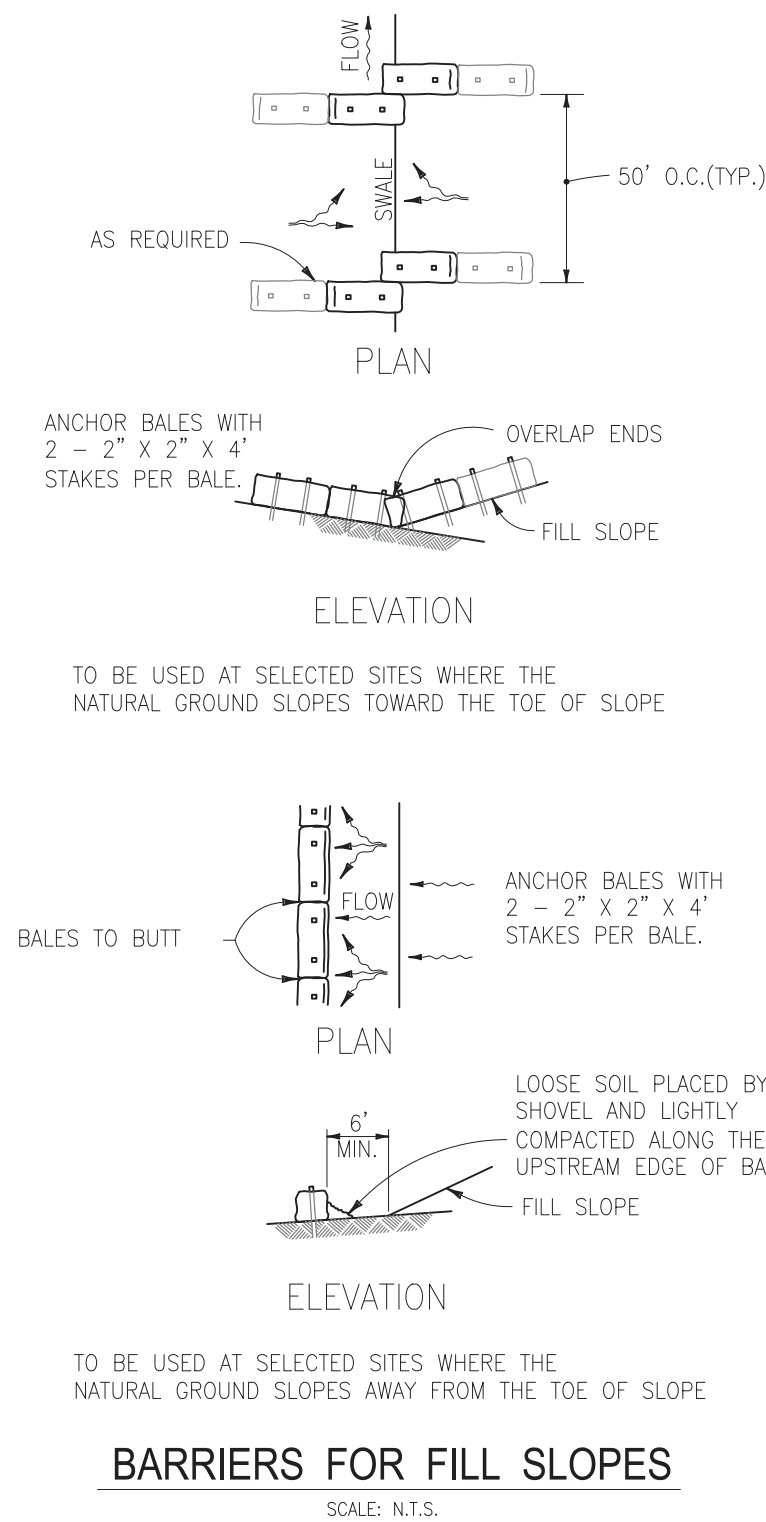
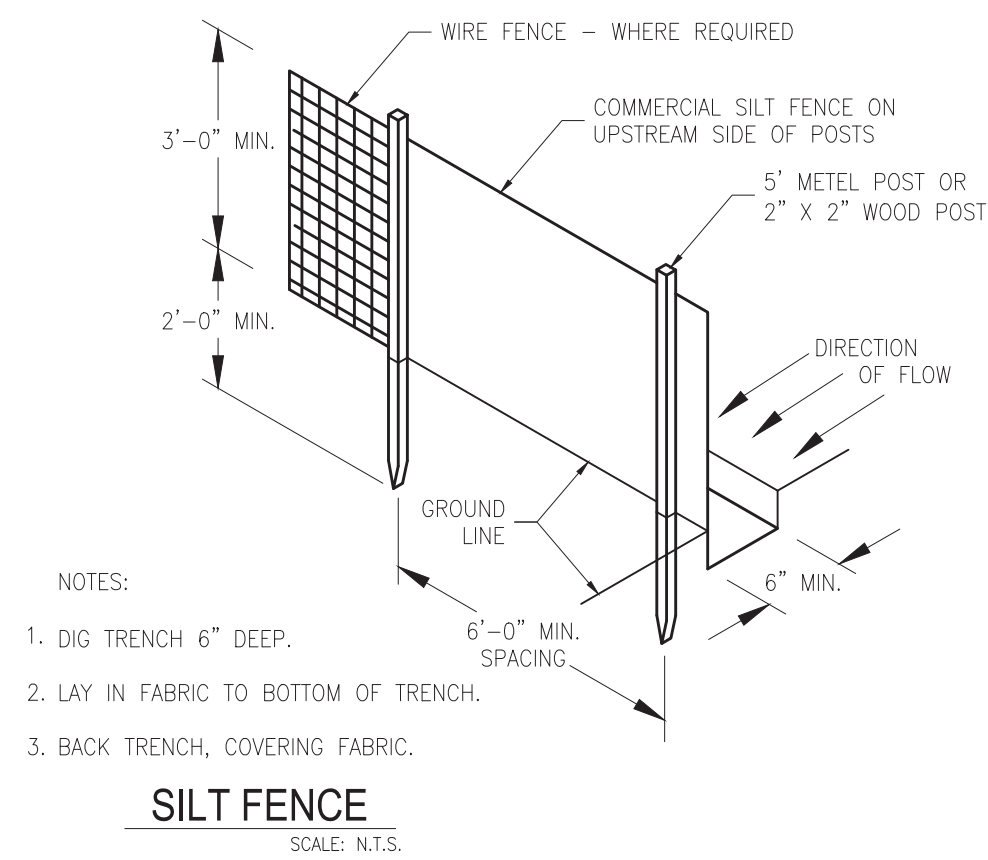
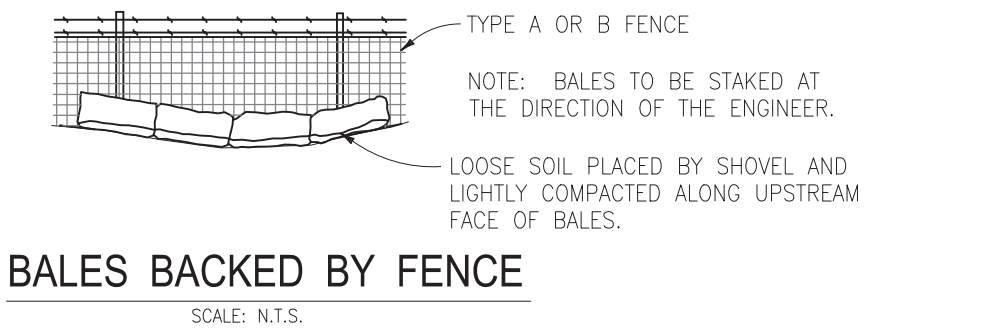
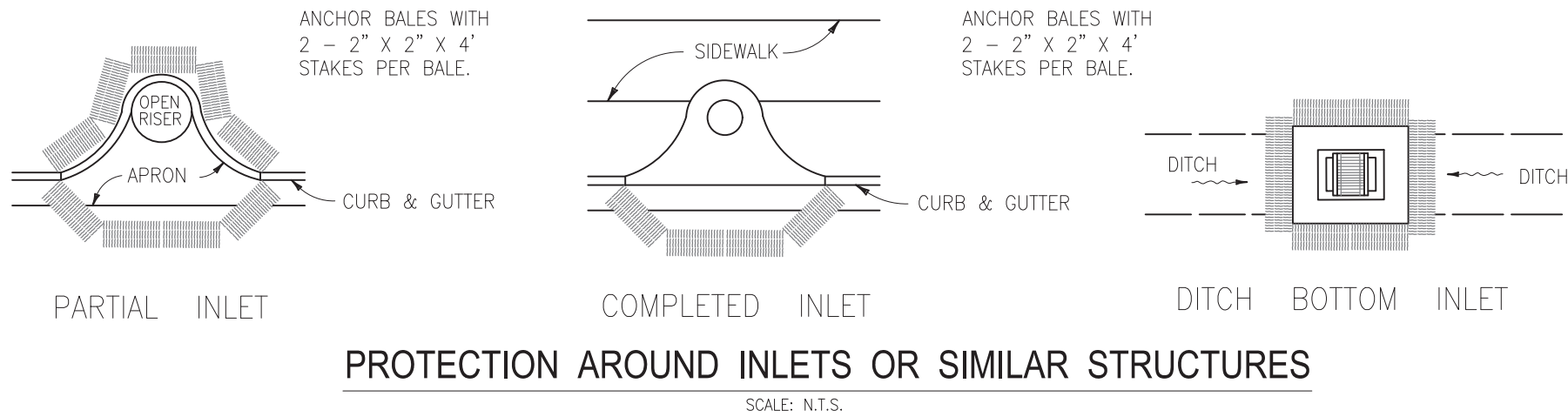
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A

STORMWATER POLLUTION PREVENTION PLAN (SWPPP):

1. SITE DESCRIPTION:
- A. CONSTRUCTION ACTIVITY: INSTALLATION OF GAS/DIESEL PUMPS, CAR/TRUCK PARKING, ASPHALT PAVEMENT AND STORMWATER MANAGEMENT FACILITY.
- PROJECT LIMITS: SEE SHEET C4 AND C5.
- MAJOR SOIL DISTURBING ACTIVITIES: INSTALLATION OF GAS/DIESEL PUMPS, CAR/TRUCK PARKING, ASPHALT PAVEMENT AND STORMWATER MANAGEMENT FACILITY.
- B. TOTAL PROJECT AREA: 116,041 S.F. OR 2.66 AC
- TOTAL AREA TO BE DISTURBED: 85,449 SF OR 1.96 AC
- C. (1) RUNOFF COEFFICIENTS BEFORE, DURING, AND AFTER CONSTRUCTION: BEFORE: 0.2, DURING: 0.2, AFTER: 0.73
- (2) DESCRIPTION OF SOIL OR QUALITY OF DISCHARGE: SEE GEOTECHNICAL REPORT
- (3) ESTIMATES OF SIZE OF DRAINAGE AREA FOR OUTFALL: 2.66 ACRES
- D. FOR LOCATIONS OF DRAINAGE AREAS AND OUTFALLS:
- E. (1) NAME OF RECEIVING WATERS: FDOT RIGHT OF WAY DITCH
- (2) WETLAND AREA: NO DISTURBANCE TO WETLANDS ARE ANTICIPATED.
2. CONTROLS:
- NARRATIVE - SEQUENCE OF SOIL DISTURBING ACTIVITIES AND IMPLEMENTATION OF CONTROLS
- THE SOIL DISTURBING ACTIVITIES FOR THIS PROJECT ARE AS FOLLOWS: ONLY UPON PROPER PLACEMENT OF ALL EROSION CONTROLS CAN SOIL DISTURBING ACTIVITIES TAKE PLACE. SILT FENCE AND TURBIDITY BARRIERS WILL BE USED LATERALLY AT SPECIFIED INTERVALS. SILT FENCE SHALL BE USED TO PREVENT SEDIMENTATION FROM ESCAPING PROJECT LIMITS. EROSION CONTROLS SHALL REMAIN IN PLACE UNTIL THE SITE IS STABILIZED.
- A. EROSION AND SEDIMENT CONTROLS:
- (1) STABILIZATION PRACTICES:
- TEMPORARY SODDING
- X TEMPORARY GRASSING
- X PERMANENT PLANTING, SODDING, OR SEEDING
- TEMPORARY MULCHING
- ARTIFICIAL COVERING
- BUFFER ZONES
- X PRESERVATION OF NATURAL RESOURCES
- (2) STRUCTURAL PRACTICES:
- SAND BAGGING
- X SILT FENCES
- X HAY BALES
- BERMS
- DIVERSION, INTERCEPTOR, OR PERIMETER DITCHES
- PIPE SLOPE DRAINS
- X FLUMES
- X ROCK BEDDING AT CONSTRUCTION EXIT
- TIMBER BEDDING AT CONSTRUCTION EXIT
- DITCH LINER
- SEDIMENT TRAPS
- SEDIMENT BASINS
- STORM INLET SEDIMENT TRAP (ROCK BAGS)
- STONE OUTLET STRUCTURES
- X CURBS AND GUTTERS
- X STORM SEWERS
- VELOCITY CONTROL DEVICES
- TURBIDITY BARRIER
- X RIP RAP
- B. DESCRIPTION OF STORMWATER MANAGEMENT: ONSITE DRY POND
- C. OTHER CONTROLS:
- (1) WASTE DISPOSAL: NO CONSTRUCTION WASTE MATERIAL WILL BE BURIED ON SITE
- (2) OFFSITE VEHICLE TRACKING:
- HAUL ROADS DAMPENED FOR DUST CONTROL
- X LOADED HAUL TRUCKS TO BE COVERED WITH TARPULIN
- X EXCESS DIRT ON ROAD REMOVED DAILY
- X STABILIZED CONSTRUCTION ENTRANCE
- (3) SANITARY WASTE: N/A
- (4) FERTILIZERS AND PESTICIDES: FERTILIZERS AND/OR PESTICIDES SHALL BE APPLIED ACCORDING TO MANUFACTURERS RECOMMENDATIONS BY A LICENSED OR CERTIFIED APPLICATOR AS DIRECTED BY THE PROJECT ENGINEER.
- (5) NON-STORMWATER DISCHARGE (INCLUDING SPILL REPORTING): TO BE USED DURING DEWATERING PROPER BMPs
- D. APPROVED STATE, LOCAL PLANS, OR STORMWATER PERMITS: FDOT CONSTRUCTION IN RIGHT OF WAY PERMIT, COLUMBIA COUNTY DEVELOPMENT ORDER, AND FDEP/SRWMD ENVIRONMENTAL RESOURCE PERMIT
3. MAINTENANCE:
- ALL OF THE CONTROLS SHALL BE MAINTAINED AT ALL TIMES. IF A REPAIR IS NECESSARY, IT WILL BE DONE AT THE EARLIEST DATE POSSIBLE, BUT NO LATER THAN (7) CALENDAR DAYS AFTER THE SURROUNDING EXPOSED AREA HAS DRIED SUFFICIENTLY TO PREVENT FURTHER DAMAGE FROM HEAVY EQUIPMENT.
4. INSPECTION:
- ALL CONTROLS SHALL BE INSPECTED WEEKLY BY THE CONTRACTOR AS WELL AS AFTER ONE HALF INCH (0.50") OR MORE OF RAIN. AN INSPECTION AND MAINTENANCE REPORT WILL BE MADE PER EACH INSPECTION. BASED ON INSPECTION RESULTS THE CONTROLS SHALL BE REVISED PER THE INSPECTION REPORTS.
- A. THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTION THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER. TO COMPLY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAGES AND DAILY RAINFALL RECORDS. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO INSPECT AND CERTIFY THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN.
- B. IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGING POLLUTANTS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES, AS NEEDED.
- C. RECORDS OF THE INSPECTION AND THE CONSTRUCTION PERMIT MUST BE MAINTAINED AT THE CONSTRUCTION SITE AND BE READILY AVAILABLE FOR INSPECTION.
5. THE DEVELOPER AND/OR CONTRACTOR IS RESPONSIBLE FOR OBTAINING COVERAGE UNDER THE GENERAL PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES PRIOR TO START OF CONSTRUCTION OR ANY DISTURBANCE OF LAND GREATER THAN ONE ACRE. THE DEVELOPER/CONTRACTOR WILL FORWARD A COPY OF THE PERMIT AND WILL PROVIDE 24 HOUR NOTIFICATION TO THE COUNTY PRIOR TO COMMENCEMENT OF WORK. ALL REQUIRED ELEMENTS OF THE STORMWATER POLLUTION PREVENTION PLAN MUST BE IN PLACE PRIOR TO COMMENCEMENT OF CONSTRUCTION. FAILURE TO COMPLY COULD RESULT IN CODE ENFORCEMENT ACTION AND FINES.
6. THE DEVELOPER AND/OR CONTRACTOR IS RESPONSIBLE FOR FOLLOWING REQUIRED WASTE MANAGEMENT PRACTICES AS DEFINED IN THE COUNTY MUNICIPAL CODES "UNLAWFUL DISPOSAL OF WASTE, FAILURE TO DELIVER WASTE," WHICH MAKES IT UNLAWFUL FOR ANY PERSON TO DUMP, LEAVE OR BURY ANY SOLID WASTE ON PUBLIC OR PRIVATE PROPERTY.
7. THE DEVELOPER AND/OR CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE DEWATERING PERMIT AS REQUIRED.



Dewberry Engineers Inc.
101 N. Monroe St.
Suite 710
Tallahassee, FL 32301
850.523.0065

BUSY BEE #7

SERVICE AREA EXPANSION

JOHNSON & JOHNSON, INC.

COLUMBIA COUNTY, FLORIDA

SEAL

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WILLIAM A. MENADIER, P.E. 74581
COA# 8794

CONSTRUCTION DOCUMENTS

REVISIONS		

NO. DESCRIPTION DATE

DRAWN BY JAL

APPROVED BY JBB

CHECKED BY WAM

DATE AUGUST 2021

TITLE

STORMWATER POLLUTION PREVENTION PLAN

PROJECT NO. 50136924

C3

SHEET NO.

SEAL

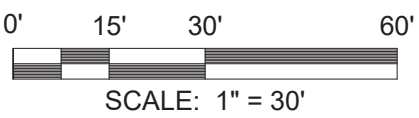
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CONSTRUCTION DOCUMENTS

SCALE



REVISIONS

NO.	DESCRIPTION	DATE

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CHECKED BY JAL
DATE AUGUST 2021

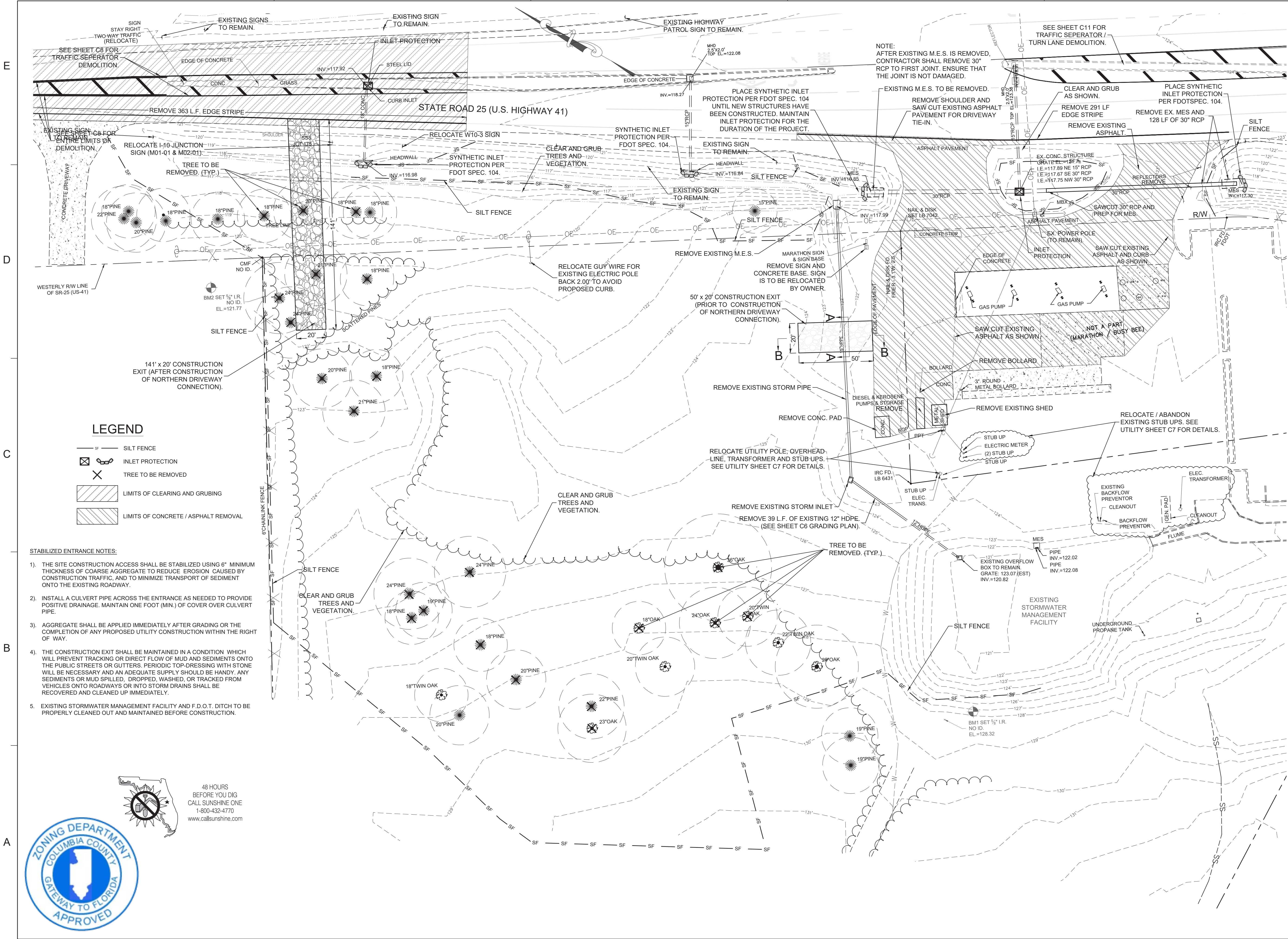
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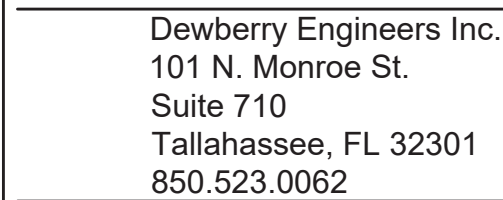
DEMOLITION AND EROSION CONTROL PLAN

PROJECT NO. 50136924

C4

SHEET NO.





SERVICE AREA EXPANSION

WILLIAM A. MENADIER, P.E. 74581
COA# 8794

SCALE

0' 15' 30' 60'

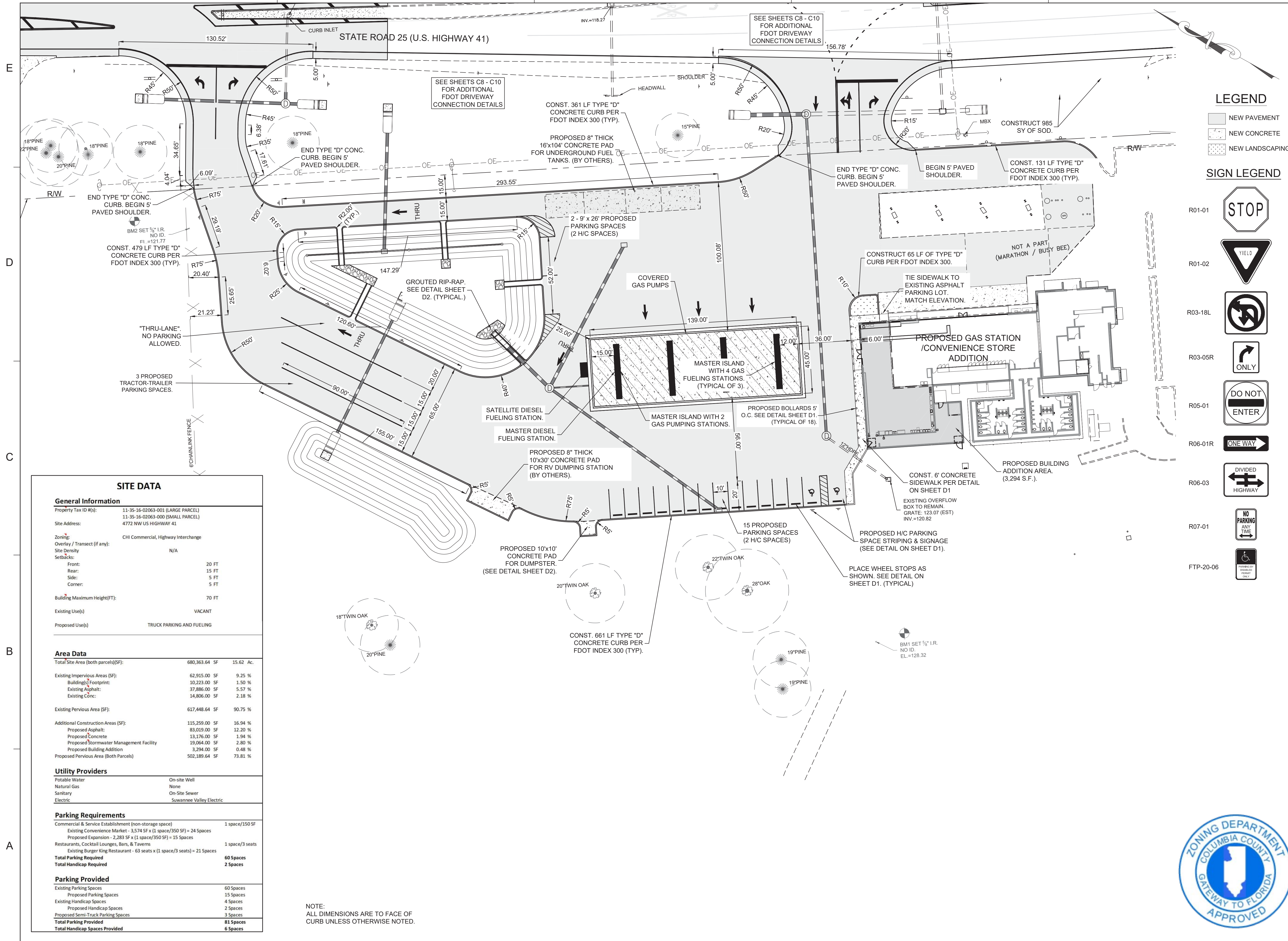
SCALE: 1" = 30'

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PROJECT NO.	50136924
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SHEET NO



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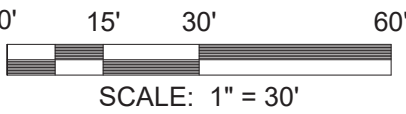
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COA# 8794

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SCALE



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DATE AUGUST 2021

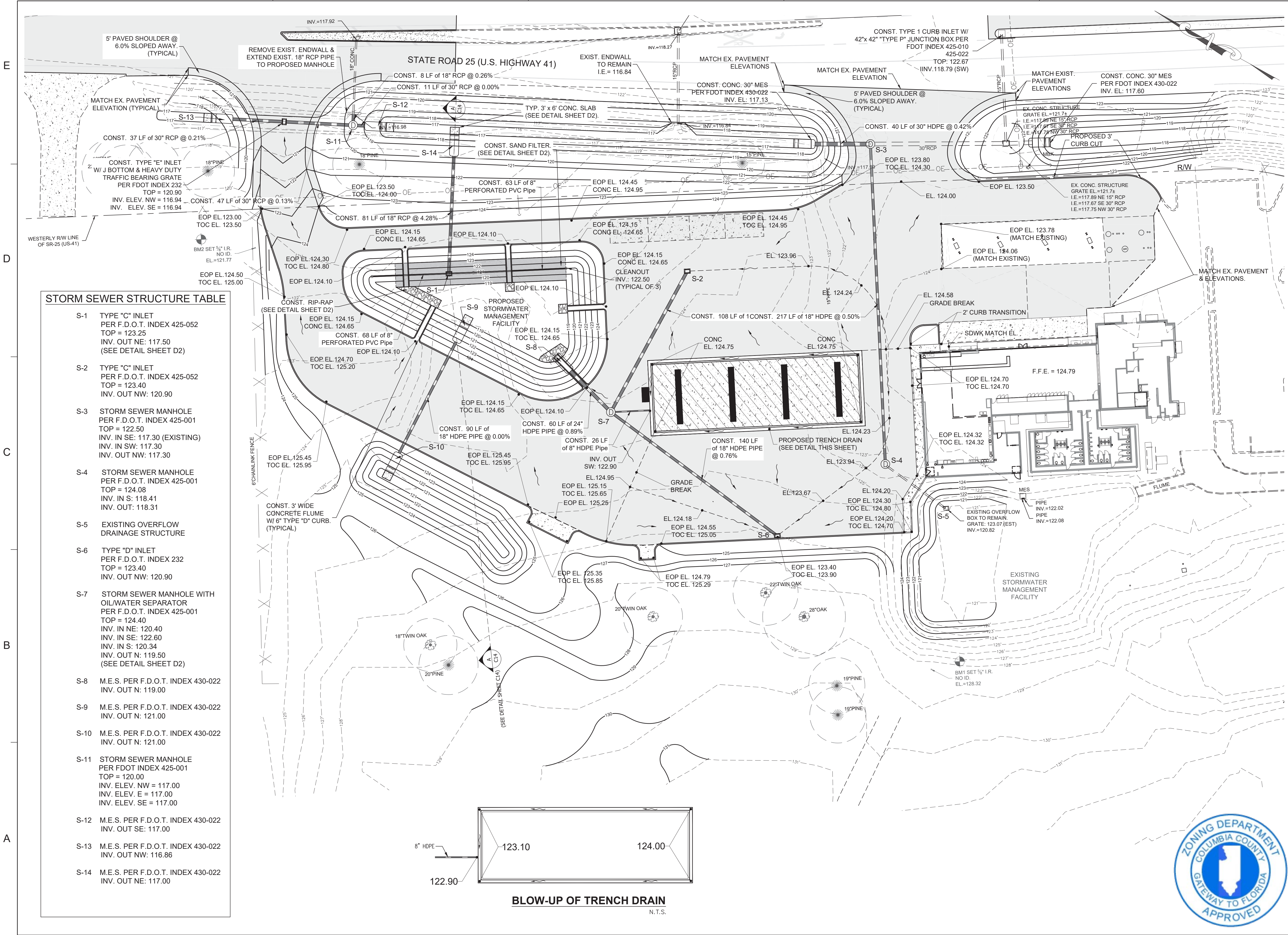
TITLE

GRADING PLAN

PROJECT NO. 50136924

C6

SHEET NO.



STORM SEWER STRUCTURE TABLE

- S-1 TYPE "C" INLET
PER F.D.O.T. INDEX 425-052
TOP = 123.25
INV. OUT NE: 117.50
(SEE DETAIL SHEET D2)
- S-2 TYPE "C" INLET
PER F.D.O.T. INDEX 425-052
TOP = 123.40
INV. OUT NW: 120.90
- S-3 STORM SEWER MANHOLE
PER F.D.O.T. INDEX 425-001
TOP = 122.50
INV. IN SE: 117.30 (EXISTING)
INV. IN SW: 117.30
INV. OUT NW: 117.30
- S-4 STORM SEWER MANHOLE
PER F.D.O.T. INDEX 425-001
TOP = 124.08
INV. IN S: 118.41
INV. OUT: 118.31
- S-5 EXISTING OVERFLOW
DRAINAGE STRUCTURE
- S-6 TYPE "D" INLET
PER F.D.O.T. INDEX 232
TOP = 123.40
INV. OUT NW: 120.90
- S-7 STORM SEWER MANHOLE WITH
OIL/WATER SEPARATOR
PER F.D.O.T. INDEX 425-001
TOP = 124.40
INV. IN NE: 120.40
INV. IN SE: 122.60
INV. IN S: 120.34
INV. OUT N: 119.50
(SEE DETAIL SHEET D2)
- S-8 M.E.S. PER F.D.O.T. INDEX 430-022
INV. OUT N: 119.00
- S-9 M.E.S. PER F.D.O.T. INDEX 430-022
INV. OUT N: 121.00
- S-10 M.E.S. PER F.D.O.T. INDEX 430-022
INV. OUT N: 121.00
- S-11 STORM SEWER MANHOLE
PER FDOT INDEX 425-001
TOP = 120.00
INV. ELEV. NW = 117.00
INV. ELEV. E = 117.00
INV. ELEV. SE = 117.00
- S-12 M.E.S. PER F.D.O.T. INDEX 430-022
INV. OUT SE: 117.00
- S-13 M.E.S. PER F.D.O.T. INDEX 430-022
INV. OUT NW: 116.86
- S-14 M.E.S. PER F.D.O.T. INDEX 430-022
INV. OUT NE: 117.00

BLOW-UP OF TRENCH DRAIN

N.T.S.

BUSY BEE #7

SERVICE AREA EXPANSION

JOHNSON & JOHNSON, INC.
COLUMBIA COUNTY, FLORIDA

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COA# 8794

CONSTRUCTION DOCUMENTS

SCALE

0' 15' 30' 60'

SCALE: 1" = 30'

REVISIONS	

[illegible]

NO.	DESCRIPTION	DATE
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APPROVED BY _____ WAM

CHECKED BY _____ JAL

DATE _____ AUGUST 2021

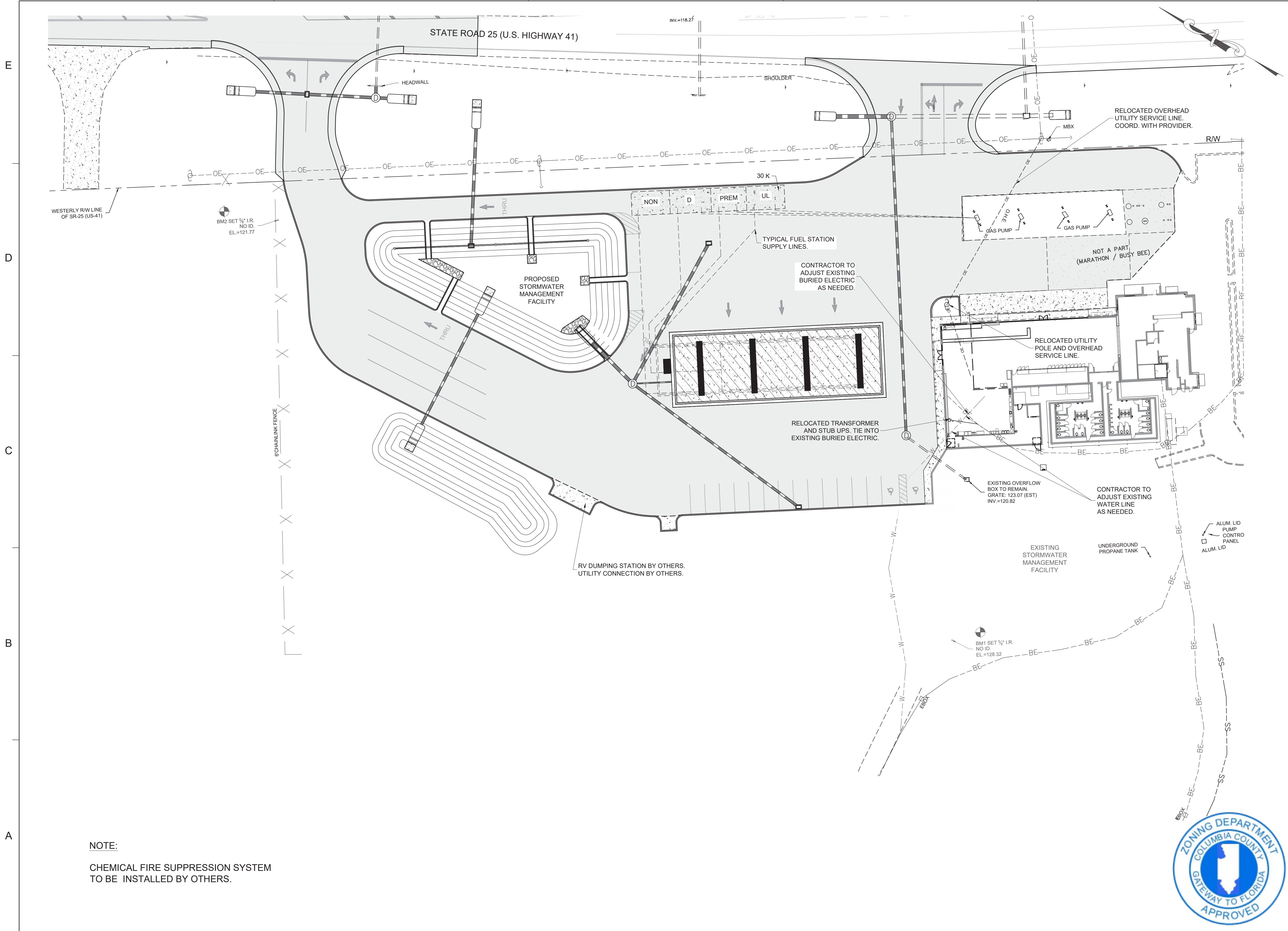
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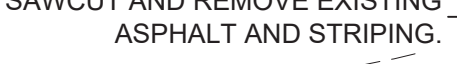
UTILITY PLAN

PROJECT NO.	50136924
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C7

SHEET NO. _____





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101 N. Monroe St.
Suite 710
Tallahassee, FL 32301
850.523.0062

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CONSTRUCTION DOCUMENTS

REVISIONS

NO.	DESCRIPTION	DATE
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TITTLE

PROJECT NO.	50136924
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SHEET NO.

C8

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SERVICE AREA EXPANSION

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COLUMBIA COUNTY, FLORIDA

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COA# 8794

CONSTRUCTION DOCUMENTS

SCALE

0' 15' 30' 60'

SCALE: 1" = 30'

[illegible]

DRAWN BY _____ JAL

APPROVED BY _____ WAM

CHECKED BY _____ JAL

DATE _____ AUGUST 2021

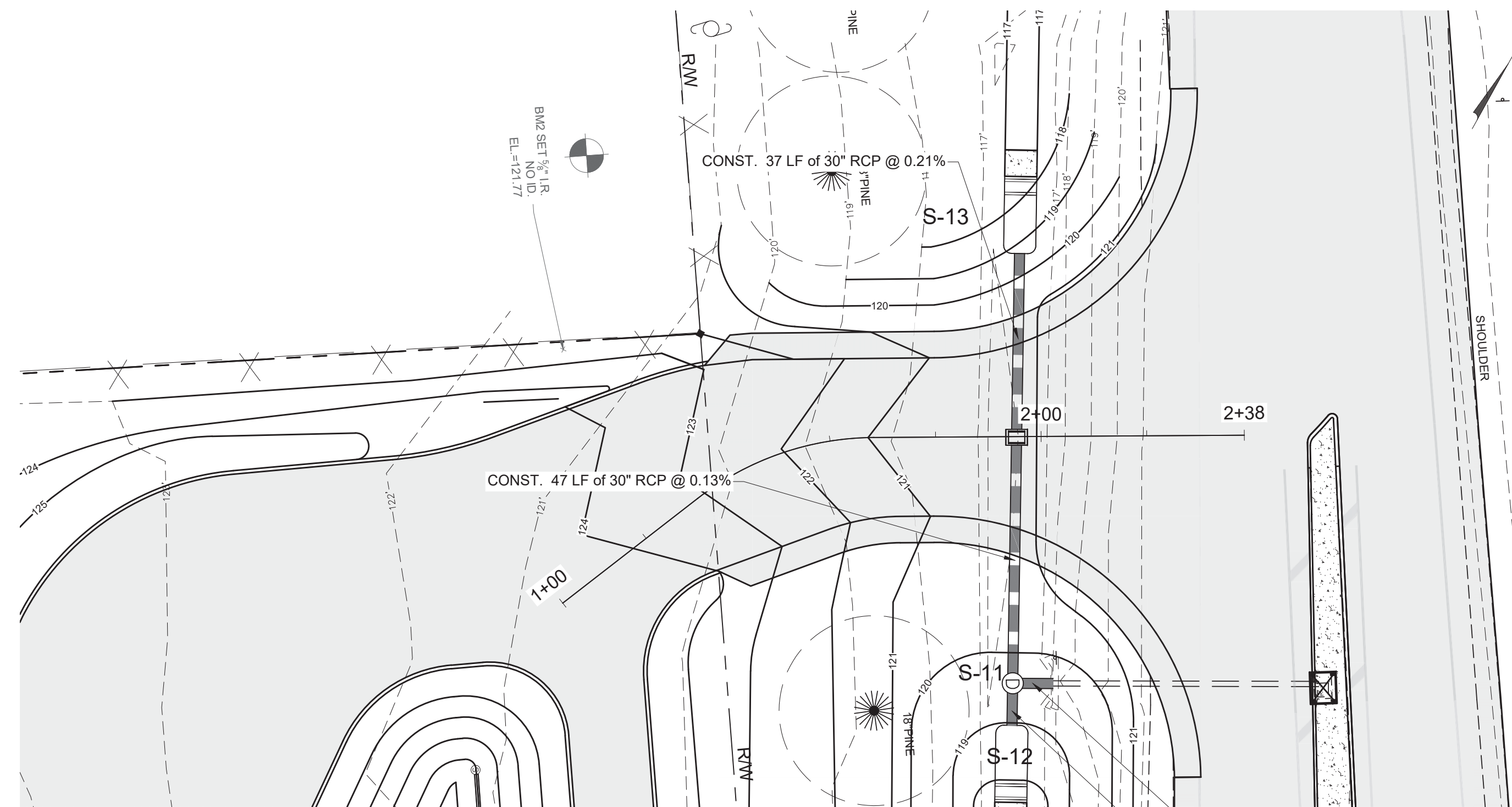
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DRIVEWAY
CONNECTION
PLAN AND
PROFILES

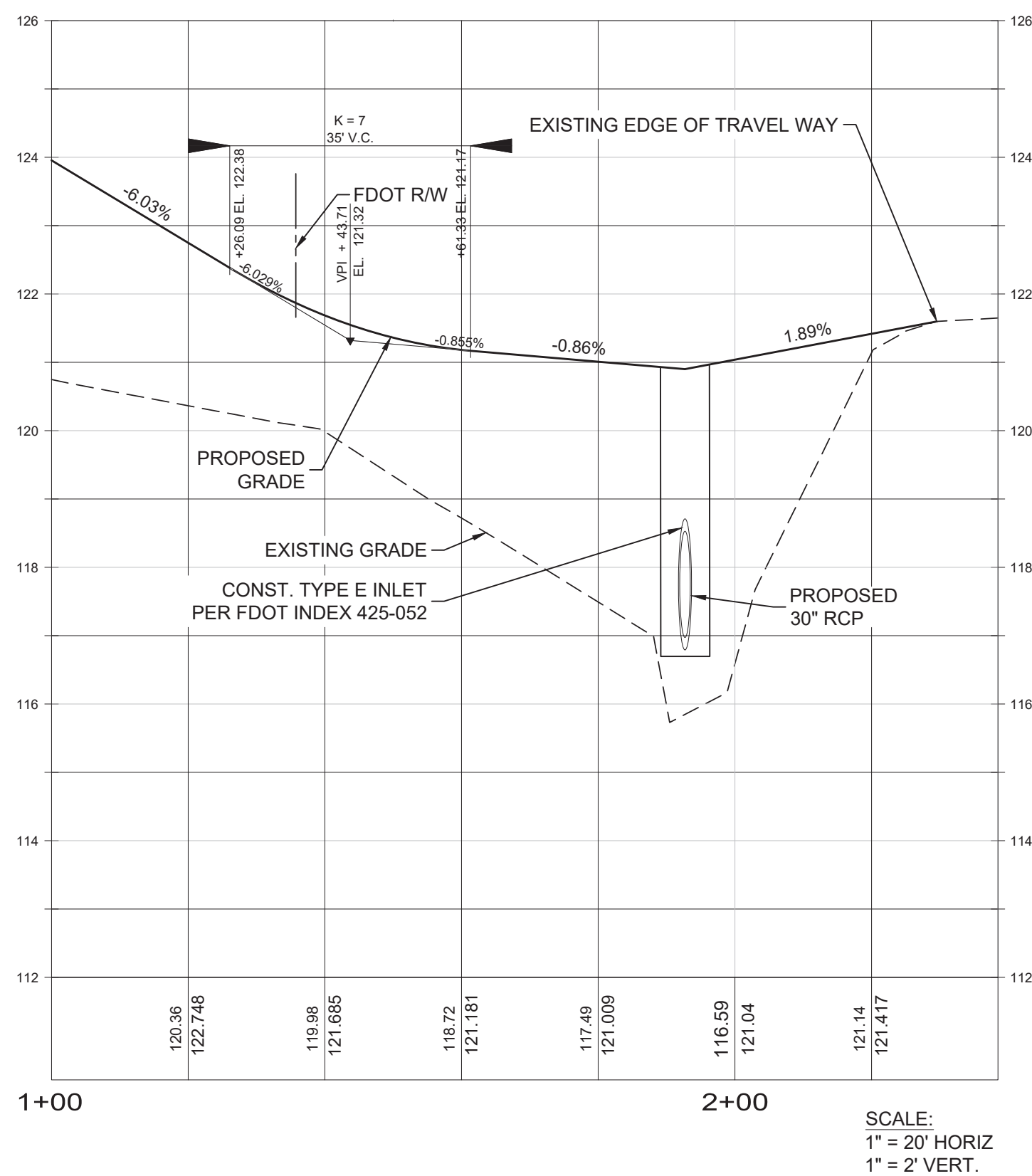
PROJECT NO.	50136924
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C9

SHEET NO.

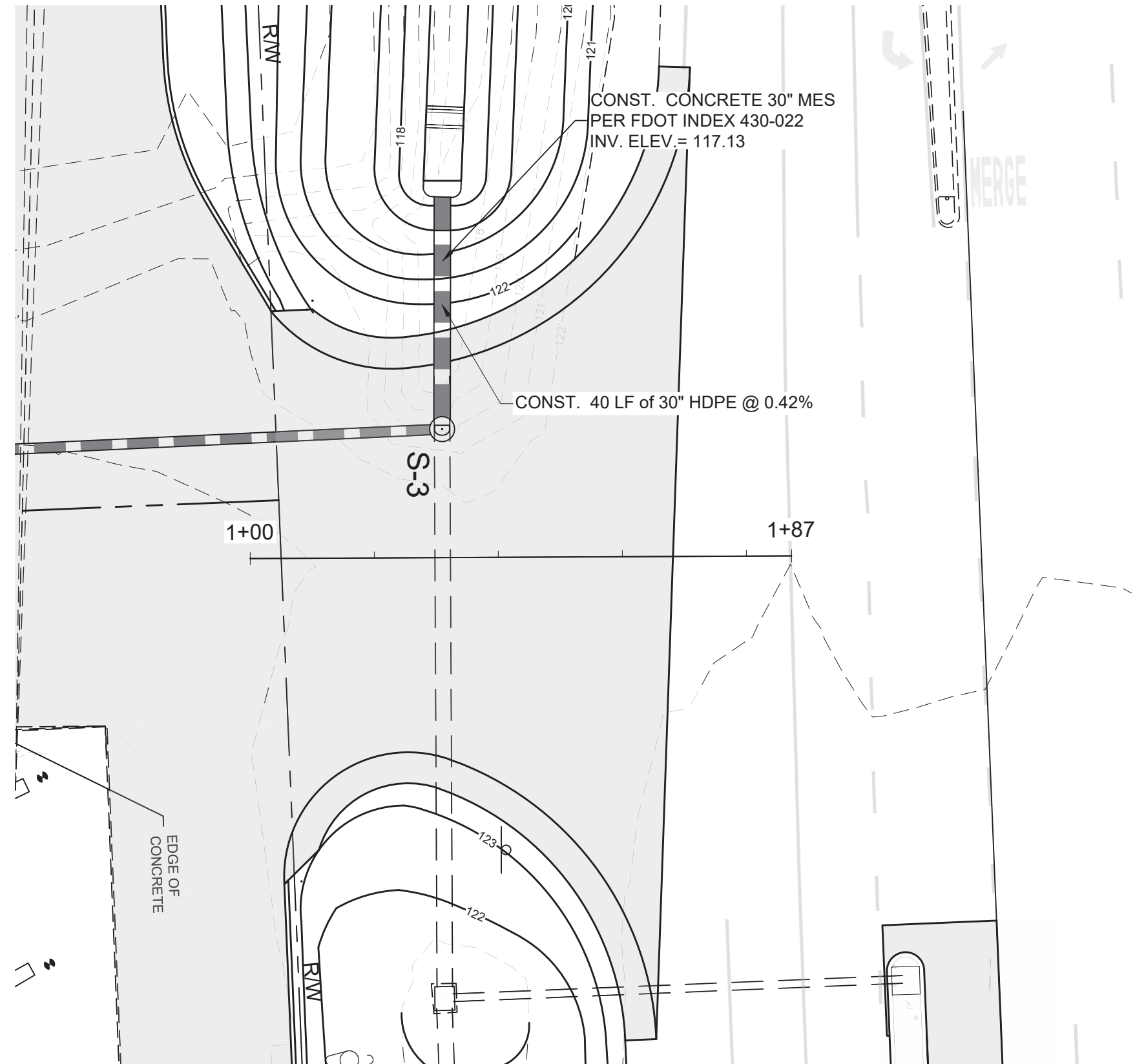


PLAN
NORTHERN DRIVEWAY CONNECTION
SCALE: 1" = 30'

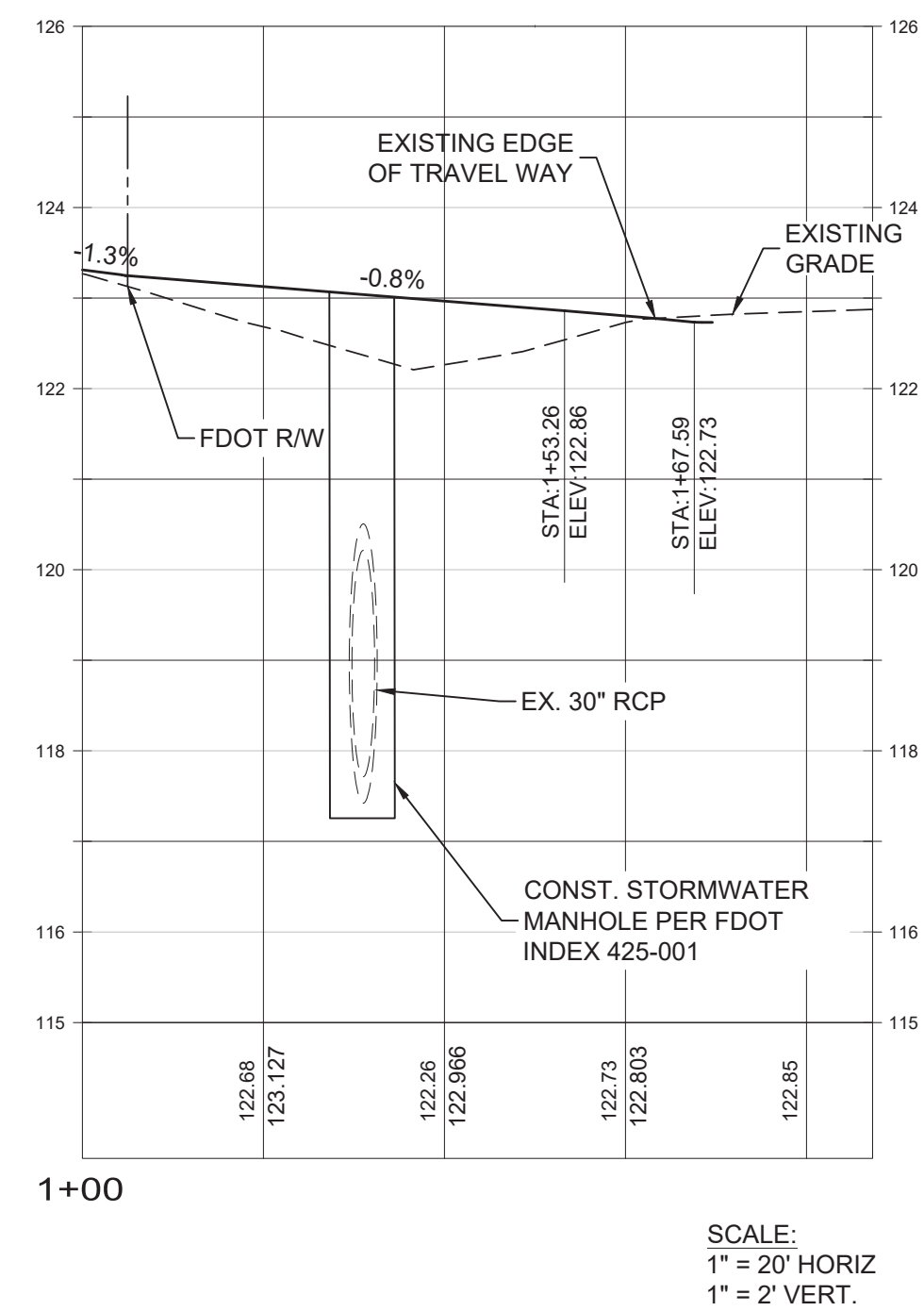


PROFILE

NORTHERN DRIVEWAY CONNECTION



PLAN
SOUTHERN DRIVEWAY CONNECTION
SCALE: 1" = 30'



PROFILE
SOUTHERN DRIVEWAY CONNECTION





BUSY BEE #7

SERVICE AREA EXPANSION

JOHNSON & JOHNSON, INC.
COLUMBIA COUNTY, FLORIDA

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COA# 8794

CONSTRUCTION DOCUMENTS

SCALE

0' 15' 30' 60'

SCALE: 1" = 30'

[illegible]

NO.	DESCRIPTION	DATE
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APPROVED BY		WAM
CHECKED BY		JAL
DATE		AUGUST 2021

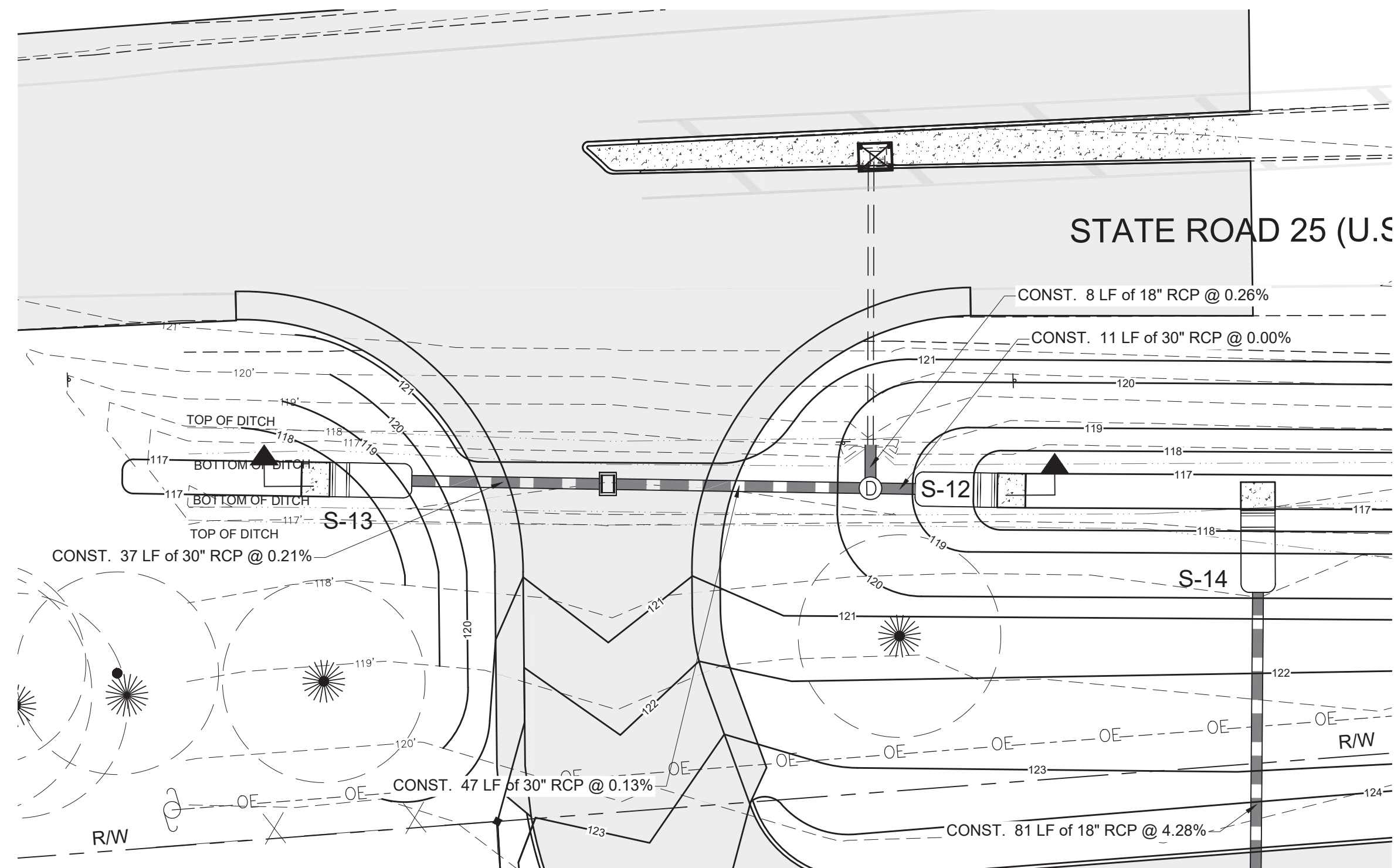
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DRIVEWAY CONNECTION CROSS SECTIONS

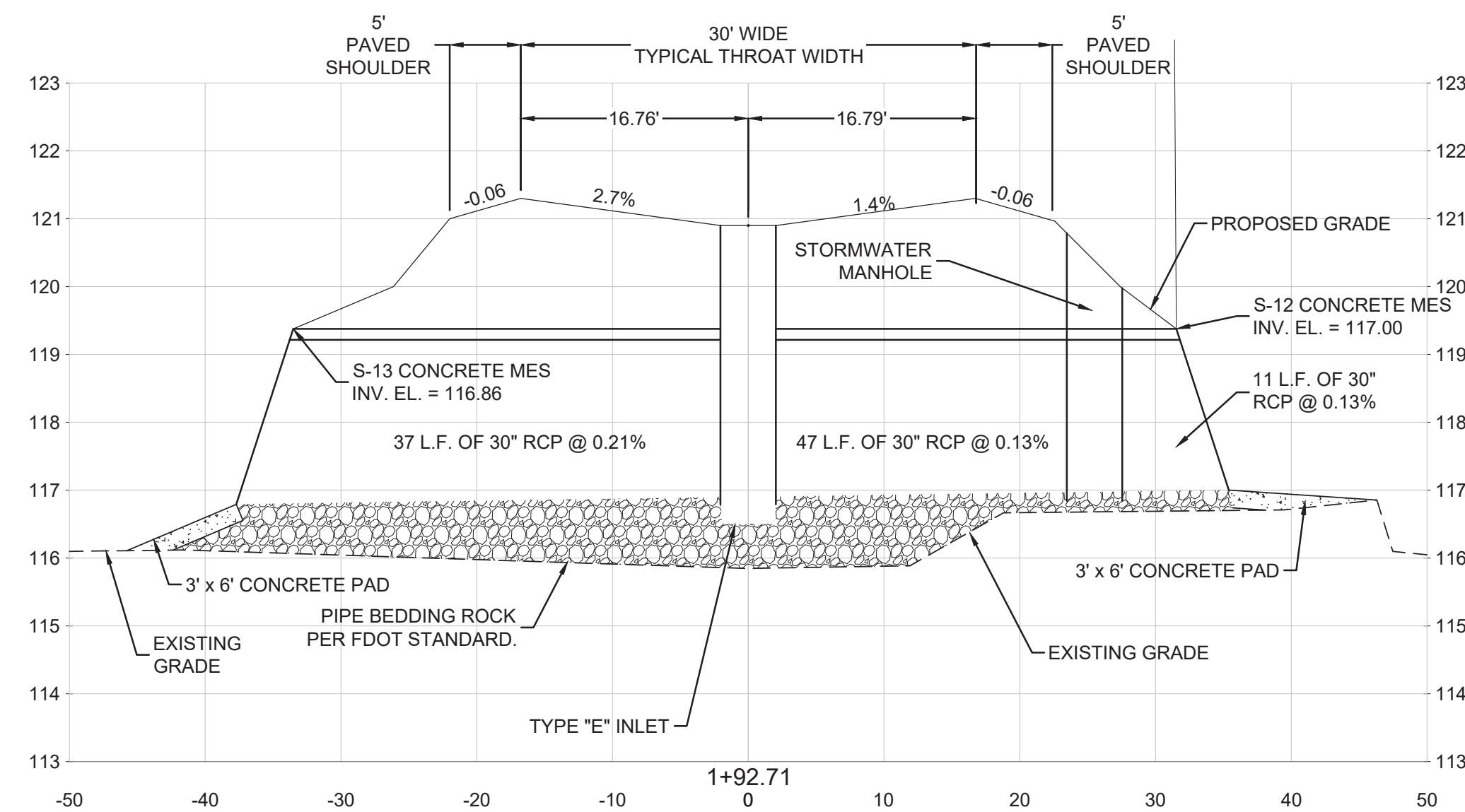
PROJECT NO.	50136924
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C10

SHEET NO.

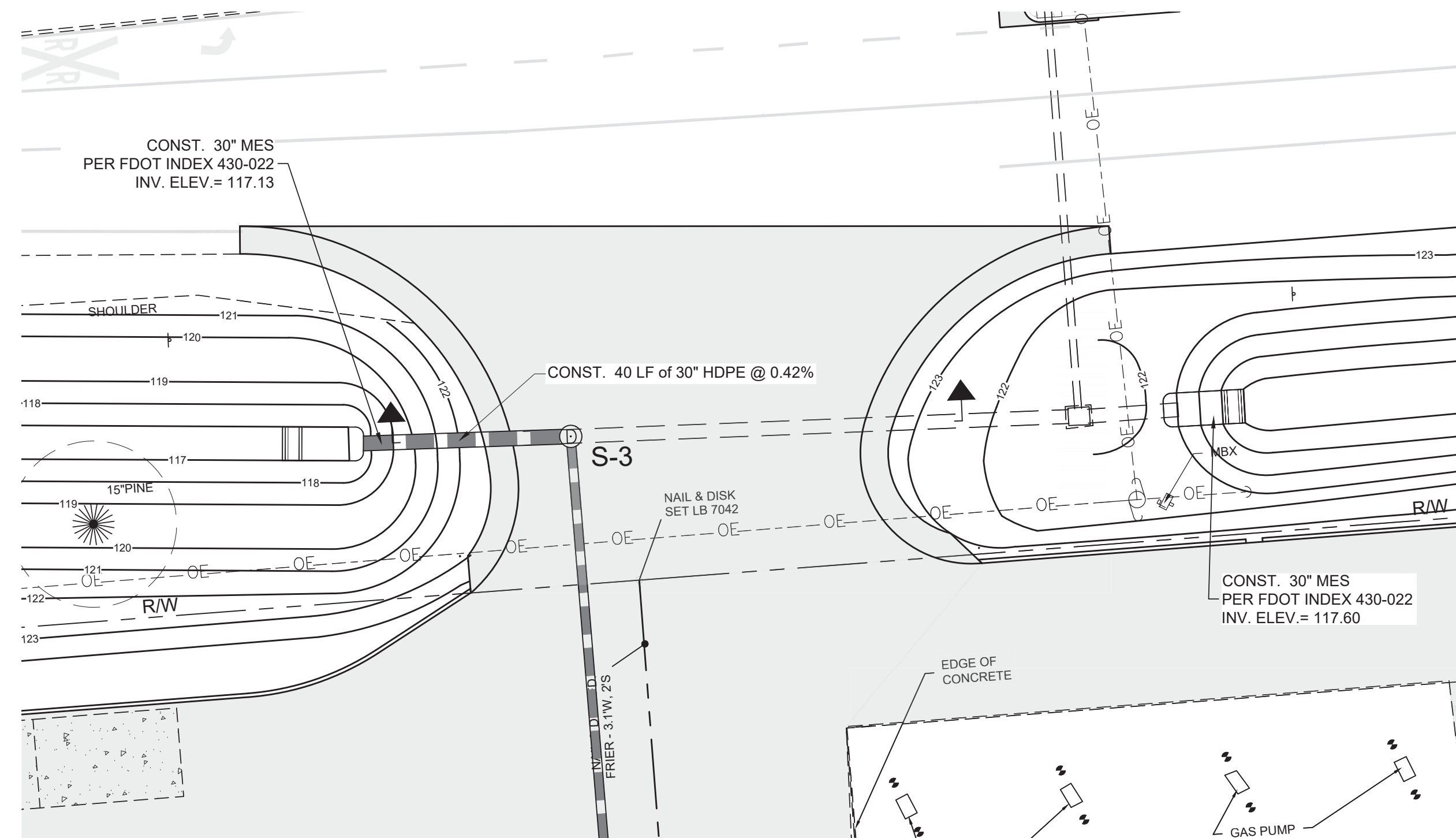


PLAN
NORTHERN DRIVEWAY CONNECTION
SCALE: 1" = 20'

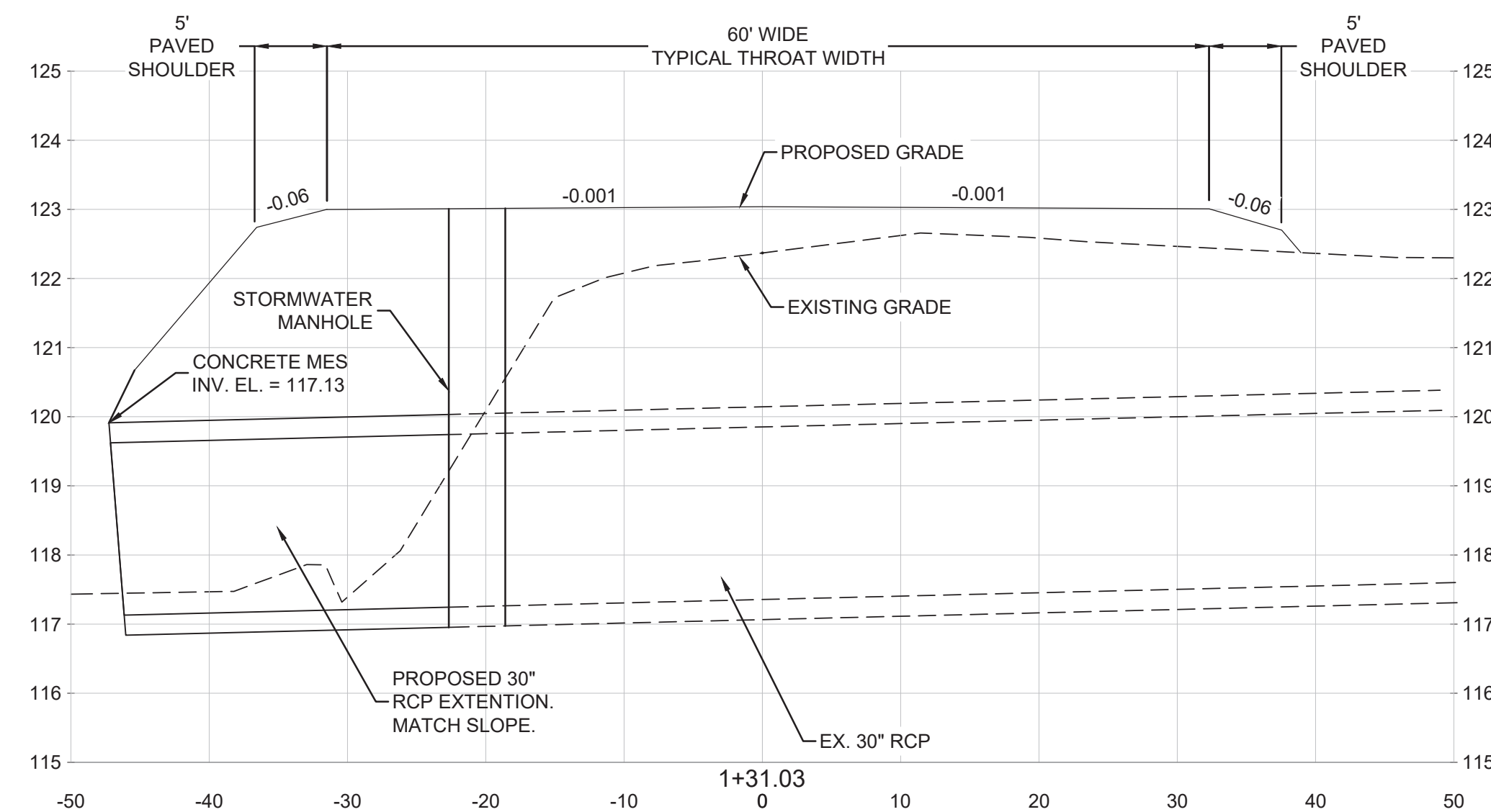


SECTION NORTHERN DRIVEWAY CONNECTION

SCALE:
1" = 10' HORIZ
1" = 2' VERT.



PLAN
SOUTHERN DRIVEWAY CONNECTION
SCALE: 1" = 20'



SECTION
SOUTHERN DRIVEWAY CONNECTION

SCALE:
1" = 10' HORIZ
1" = 2' VERT.



BUSY BEE #7

SERVICE AREA EXPANSION

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COLUMBIA COUNTY, FLORIDA

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COA# 8794

CONSTRUCTION DOCUMENTS

SCALE

0' 15' 30' 60'

SCALE: 1" = 30'

REVISIONS

[illegible]

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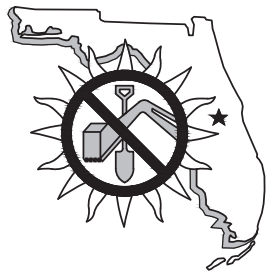
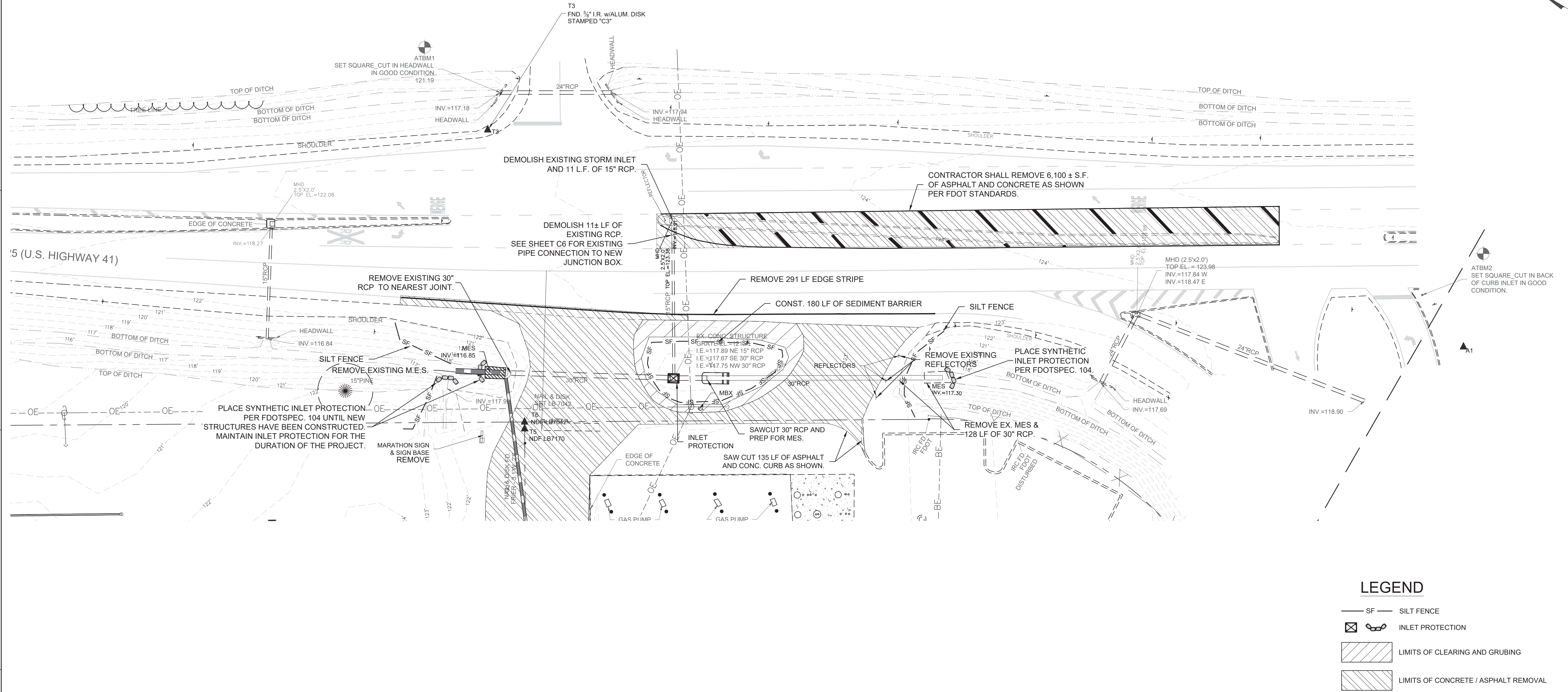
TITLE

TURN LANE
DEMOLITION &
EROSION
CONTROL

PROJECT NO.	50093979
-------------	----------

C11

SHEET NO. _____



48 HOURS
BEFORE YOU DIG
CALL SUNSHINE ONE
1-800-432-4770
www.callsunshine.com

SEAL

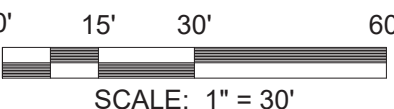
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CONSTRUCTION DOCUMENTS

SCALE



REVISIONS

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DATE AUGUST 2021

TITLE

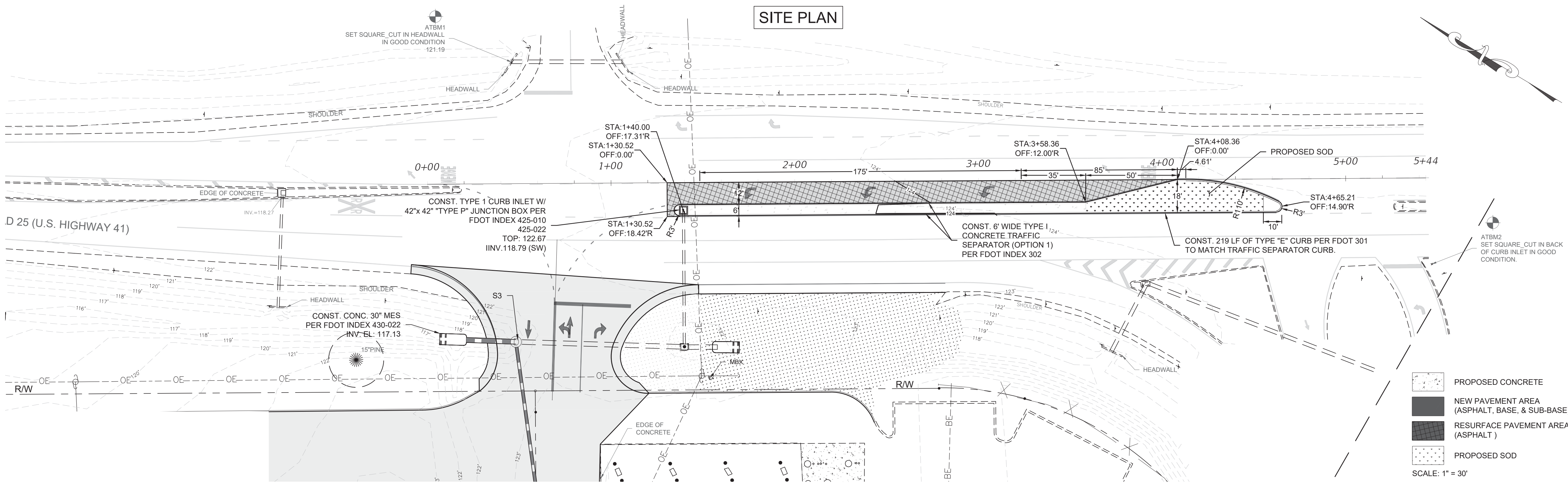
TURN LANE
PLAN VIEW

PROJECT NO. 50093979

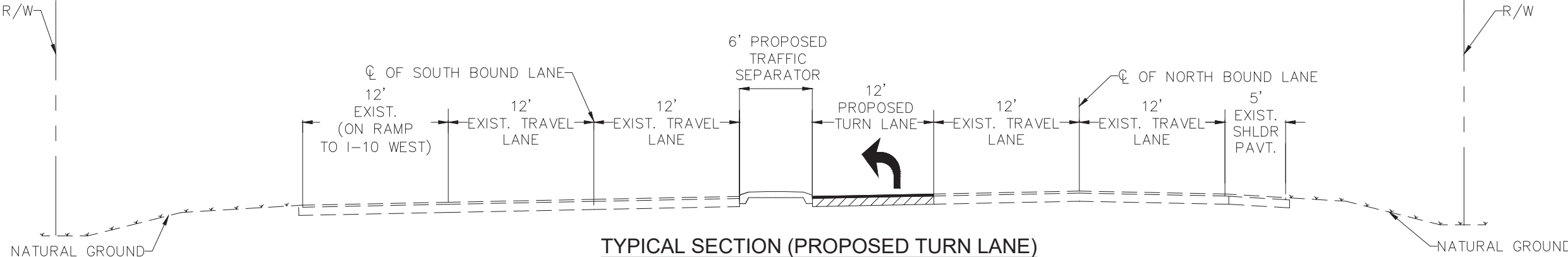
C12

SHEET NO.

SITE PLAN



TYPICAL R/W (VARIES)



TYPICAL SECTION (PROPOSED TURN LANE)

STA. 01+45.35 TO STA. 04+65.21

POSTED SPEED 45 M.P.H.

SCALE: 1" = 10'

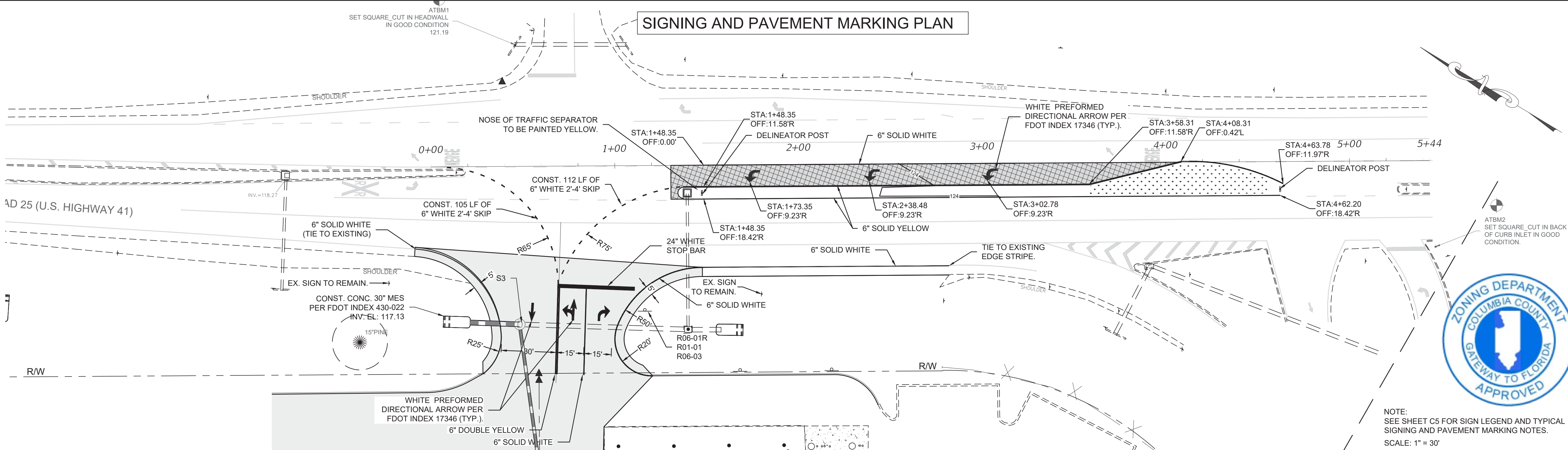
NEW PAVEMENT
3" TYPE SP 9.5 ASPHALTIC CONCRETE (PLACED IN 2-1.5" LIFTS)
1" TYPE FC 9.5 ASPHALTIC CONCRETE
OPTIONAL BASE GROUP 6 (8" LIMESTONE) LBR 100, 98% MODIFIED PROCTOR
12" TYPE "B" STABILIZATION (MIN. LBR 40, 95% MODIFIED PROCTOR)

RESURFACE PAVEMENT
3" TYPE SP 9.5 ASPHALTIC CONCRETE (PLACED IN 2-1.5" LIFTS)
1" TYPE FC 9.5 ASPHALTIC CONCRETE

NOTE:
THE FIRST LAYER SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF THE BASE COURSE. THE FINAL LAYER SHALL BE PLACED AT THE COMPLETION OF THE PROJECT AND SHALL MEET ALL REQUIREMENTS (INCLUDING MIXING AND PLACING REQUIREMENTS) AS SET FORTH BY FDOT FOR AN ASPHALTIC CONCRETE SURFACE COURSE TYPE SP 9.5.

PROVIDE BITUMINOUS TACK COAT BETWEEN ASPHALT COURSES.

SIGNING AND PAVEMENT MARKING PLAN



NOTE:
SEE SHEET C5 FOR SIGN LEGEND AND TYPICAL SIGNING AND PAVEMENT MARKING NOTES.
SCALE: 1" = 30'

BUSY BEE #7

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WILLIAM A. MENADIER, P.E. 74581
COA# 8794

CONSTRUCTION DOCUMENTS

AS SHOWN

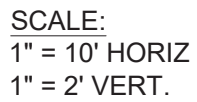
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DRAWN BY	JAL
APPROVED BY	WAM
CHECKED BY	JAL
DATE	AUGUST 2021

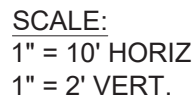
CROSS SECTIONS

C13

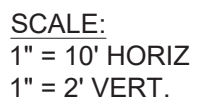
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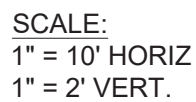
Total Volume at Station 2+50.00



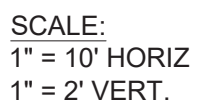
Total Volume at Station 4+00.00



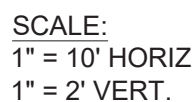
Total Volume at Station 2+00.00



Total Volume at Station 3+50.00



Total Volume at Station 1+50.00



Total Volume at Station 3+00.00



BUSY BEE #7

SERVICE AREA EXPANSION

JOHNSON & JOHNSON, INC.
COLUMBIA COUNTY, FLORIDA

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COA# 8794

CONSTRUCTION DOCUMENTS)

SCALE

REVISIONS

[illegible]

NO.	DESCRIPTION	DATE
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DRAWN BY JAL

APPROVED BY _____ WAM

- CHECKED BY JAL

DATE AUGUST 2021

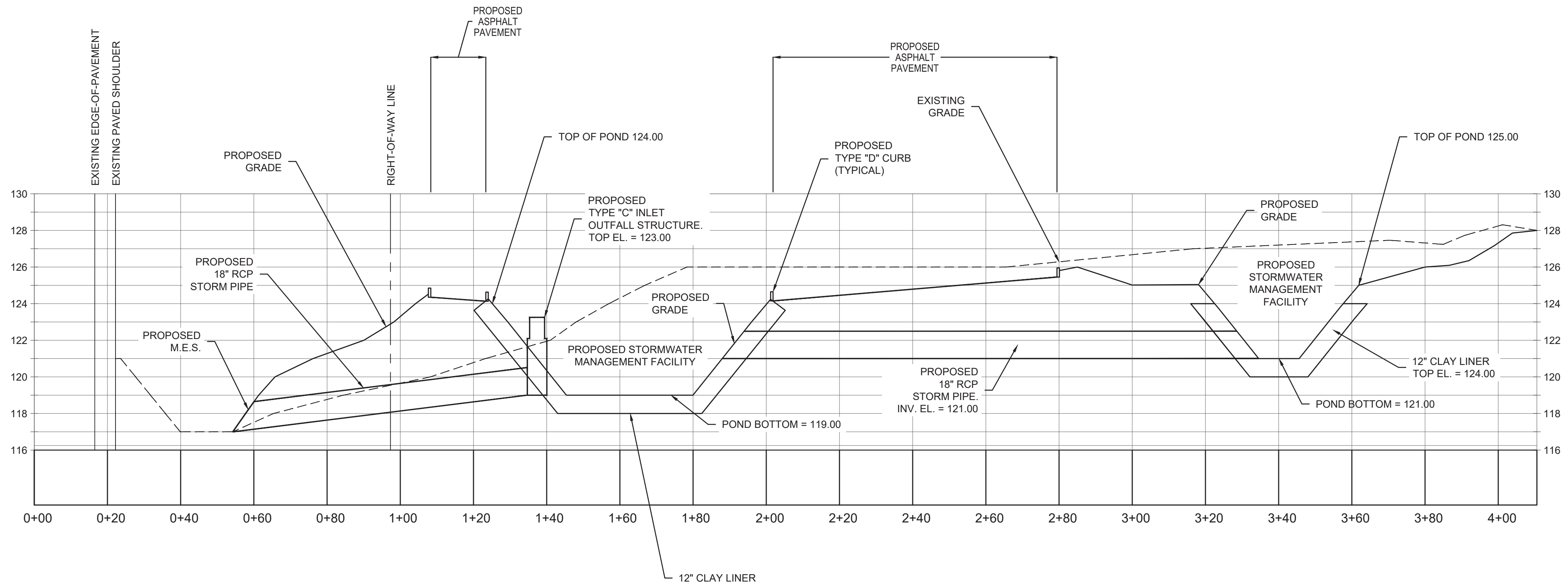
TITLE

CROSS SECTIONS

PROJECT NO.	50093979
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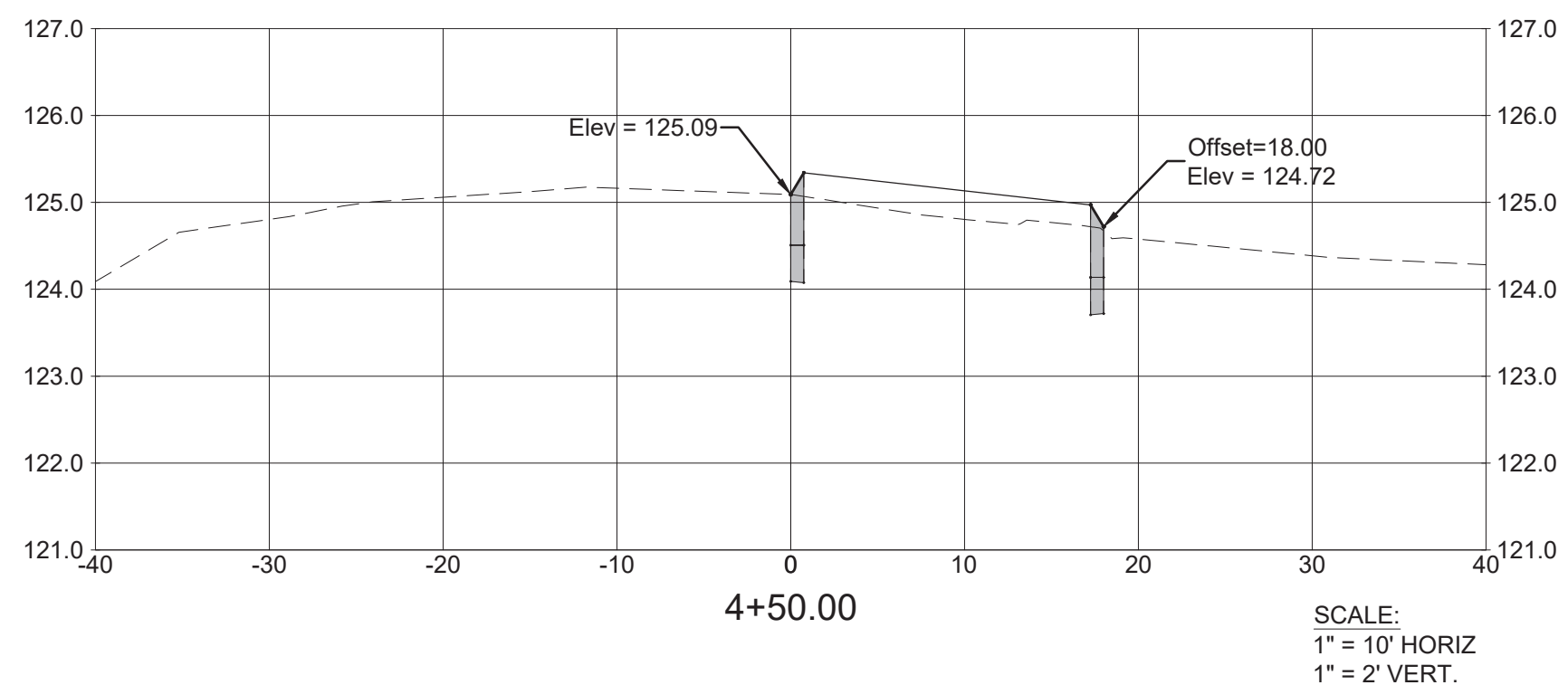
C14

SHEET NO.



CROSS SECTION "A"

SCALE:
1" = 2' HORIZ
1" = 2' VERT.



Total Volume at Station 4+50.00	
Cut Area	0.00
Fill Area	0.00
Cut Vol	0.00
Fill Vol	0.00
Cum Cut Vol	0.00
Cum Fill Vol	0.00
Net Vol	0.00





Dewberry Engineers Inc.
101 N. Monroe St.
Suite 710
Tallahassee, FL 32301
850.523.0062

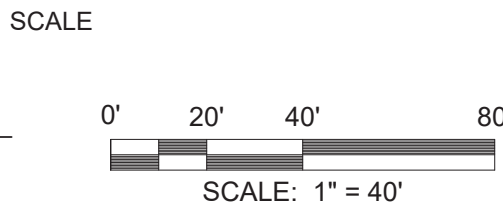
BUSY BEE #7
SERVICE AREA EXPANSION
JOHNSON & JOHNSON, INC.
COLUMBIA COUNTY, FLORIDA

SEAL
THIS ITEM HAS BEEN DIGITALLY SIGNED AND
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COA# 8794

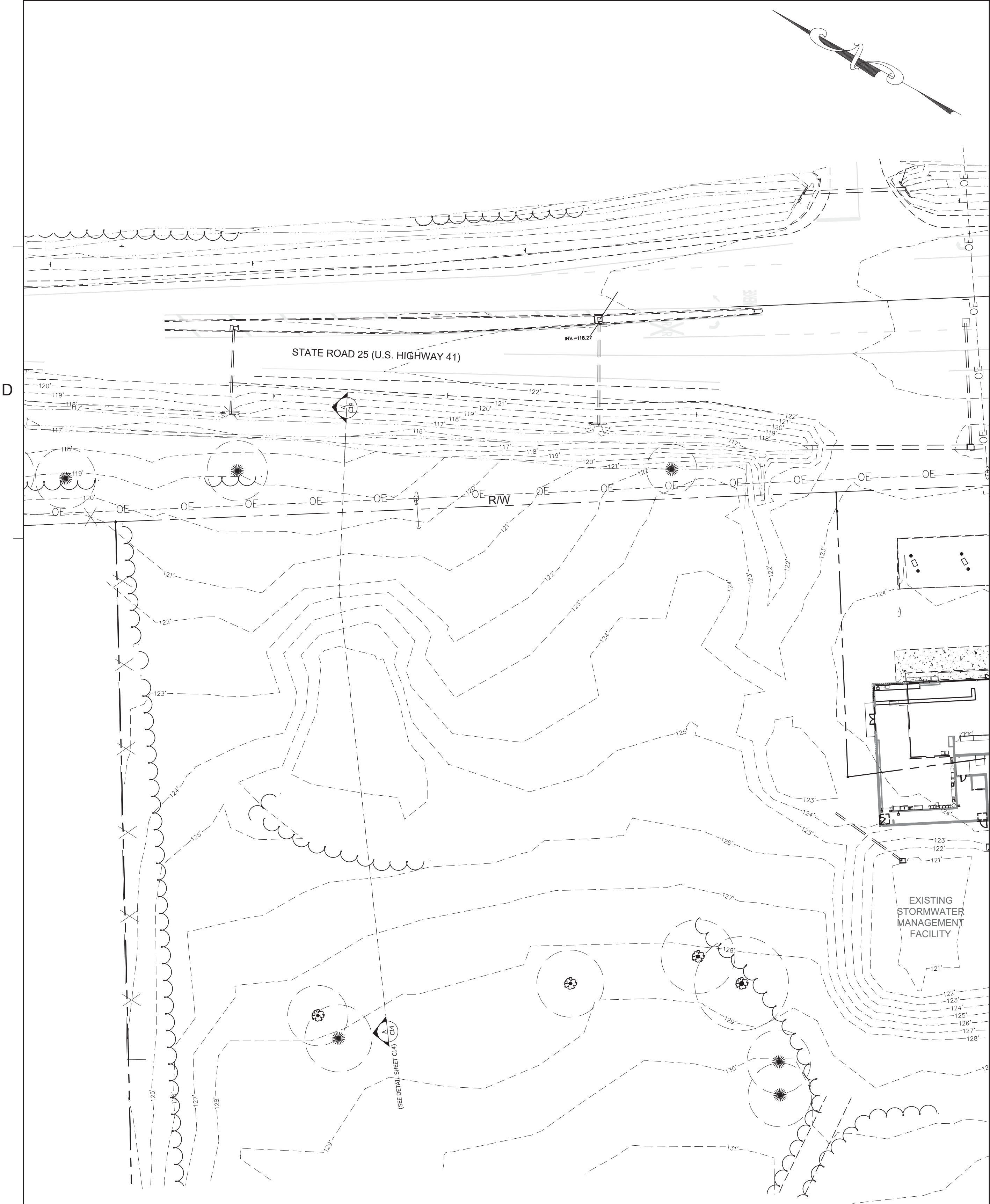
CONSTRUCTION DOCUMENTS



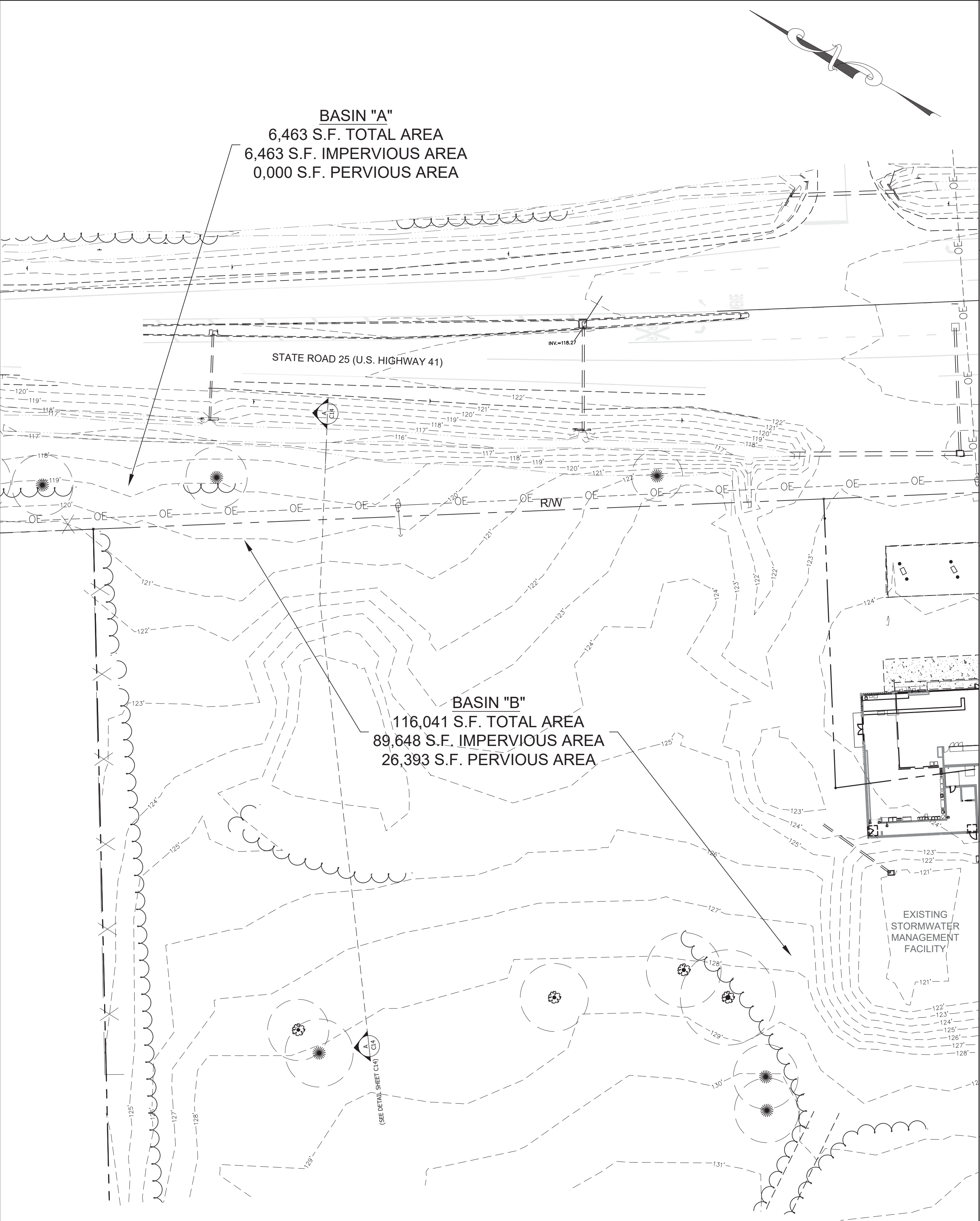
REVISIONS		
NO.	DESCRIPTION	DATE

DRAWN BY _____ JAL
APPROVED BY _____ WAM
CHECKED BY _____ JAL
DATE _____ AUGUST 2021

TITLE
**PRE & POST
BASIN
MAPS**
PROJECT NO. 50136924
C15
SHEET NO.

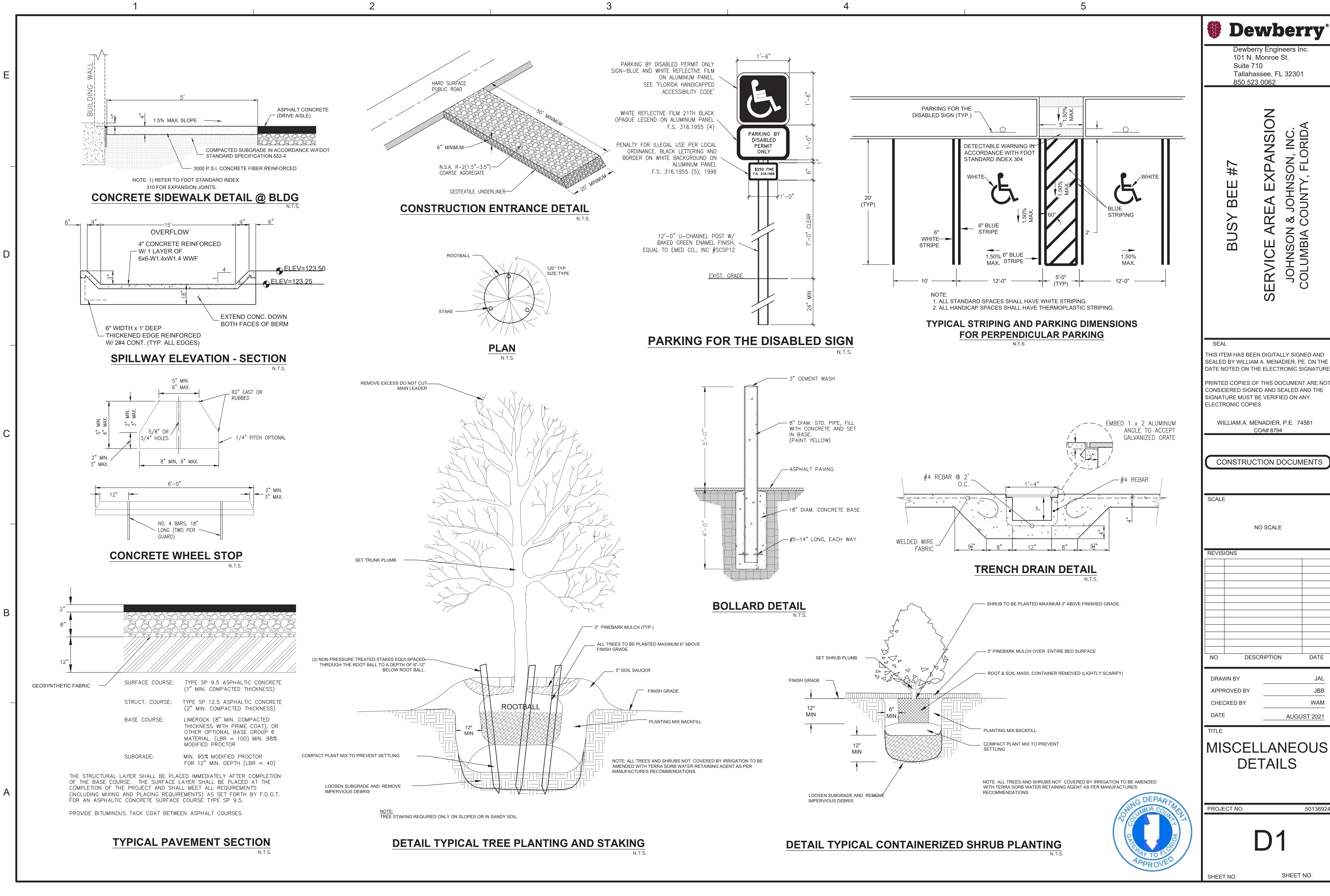


PRE BASIN MAP



POST BASIN MAP





Dewberry Engineers Inc.
101 N. Monroe St.
Suite 710
Tallahassee, FL 32301
850.523.0062

BUSY BEE #7

SERVICE AREA EXPANSION
JOHNSON & JOHNSON, INC.
COLUMBIA COUNTY, FLORIDA

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WILLIAM A. MENADIER, P.E. 74581
COA# 8794

CONSTRUCTION DOCUMENTS

SCALE

NO SCALE

REVISIONS		

NO.	DESCRIPTION	DATE

DRAWN BY JAL

APPROVED BY JBB

CHECKED BY WAM

DATE AUGUST 2021

TITLE

MISCELLANEOUS
DETAILS

PROJECT NO. 50136924

D1

SHEET NO. SHEET NO.



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WILLIAM A. MENADIER, P.E. 74581
COA# 8794

CONSTRUCTION DOCUMENTS

SCALE

NO SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY JAL
APPROVED BY JBB
CHECKED BY WAM
DATE AUGUST 2021

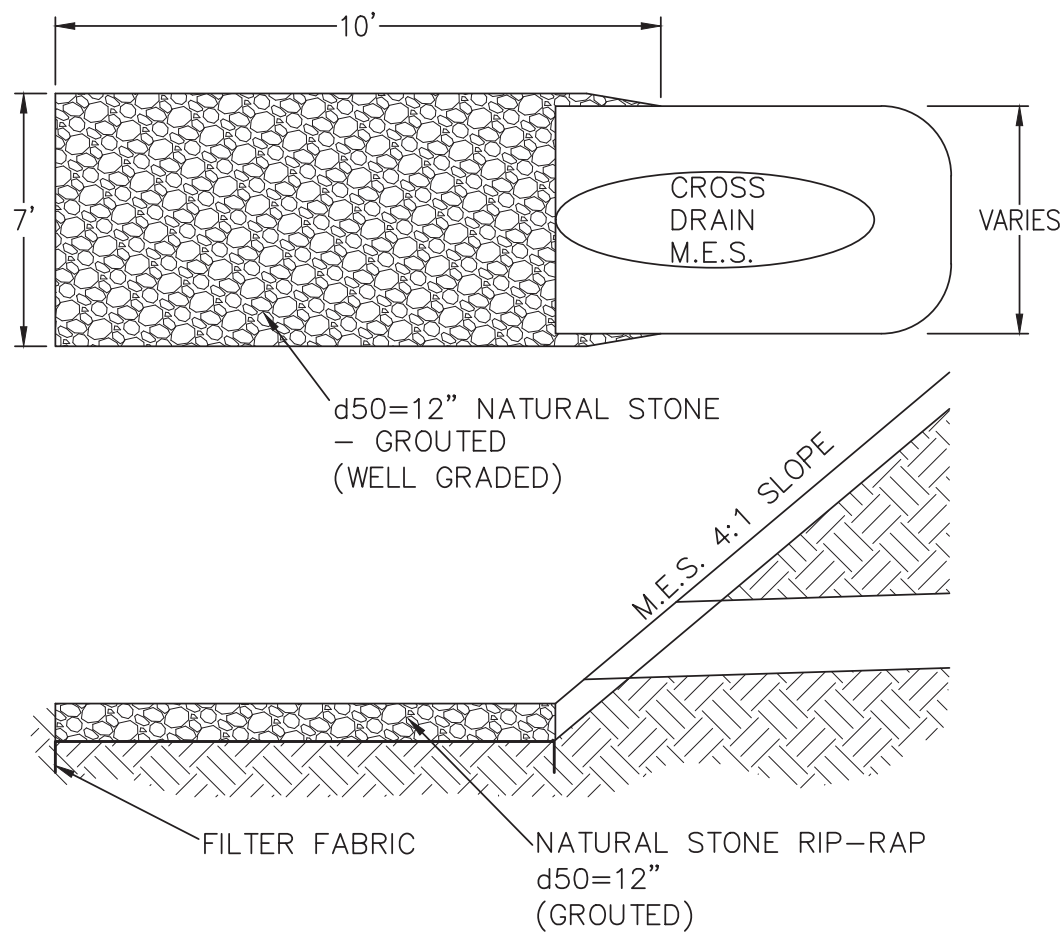
TITLE

SITE DETAILS

PROJECT NO. 50136924

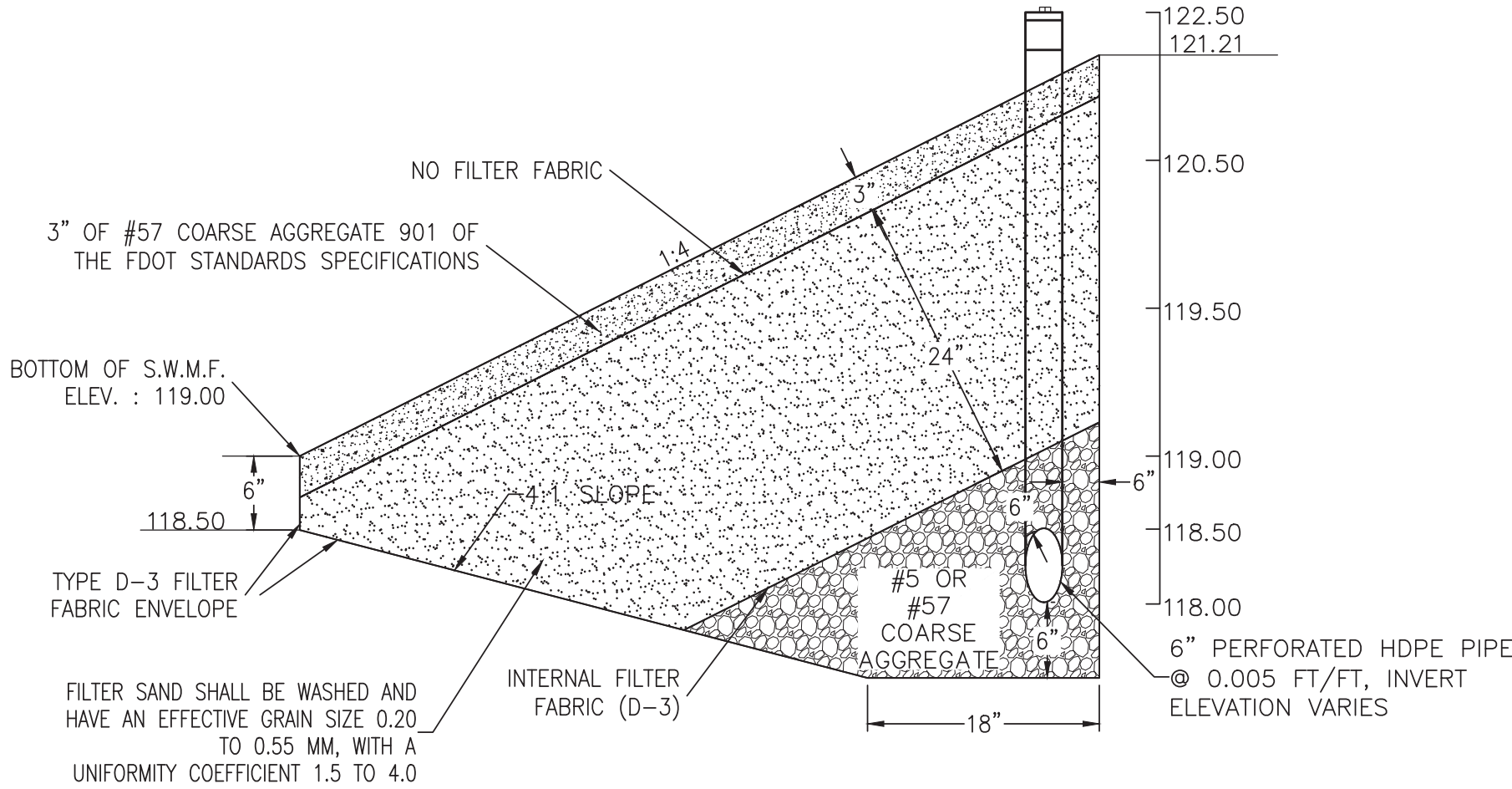
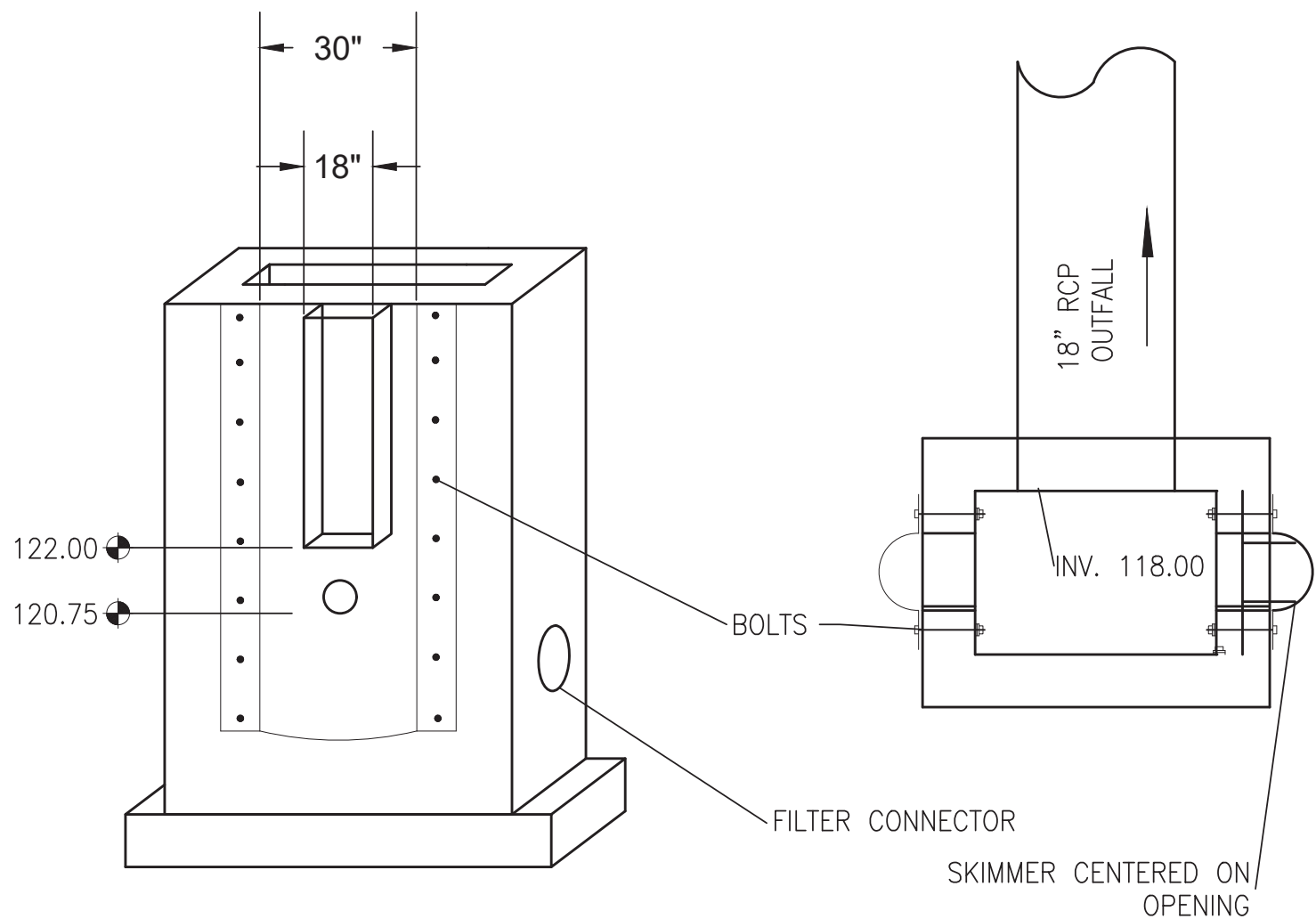
D2

SHEET NO.



- NOTES:
1. RIP-RAP WILL REMAIN AFTER CONSTRUCTION IS COMPLETE FOR ENERGY DISSIPATION.
 2. ALL SEDIMENT SHALL BE REMOVED FROM RIP-RAP AFTER CONSTRUCTION IS COMPLETE.
 3. OTHER AREA DISTURBED BY CONSTRUCTION SHALL BE SODDED.

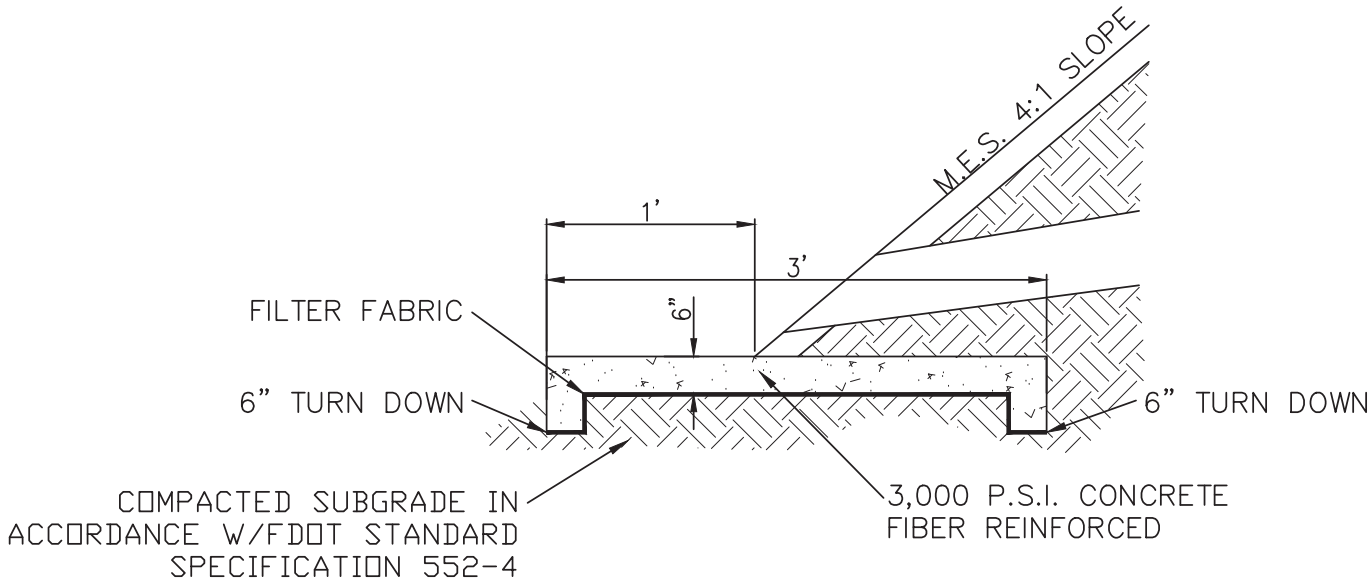
RIPRAP ENERGY DISSIPATOR DETAIL
N.T.S.



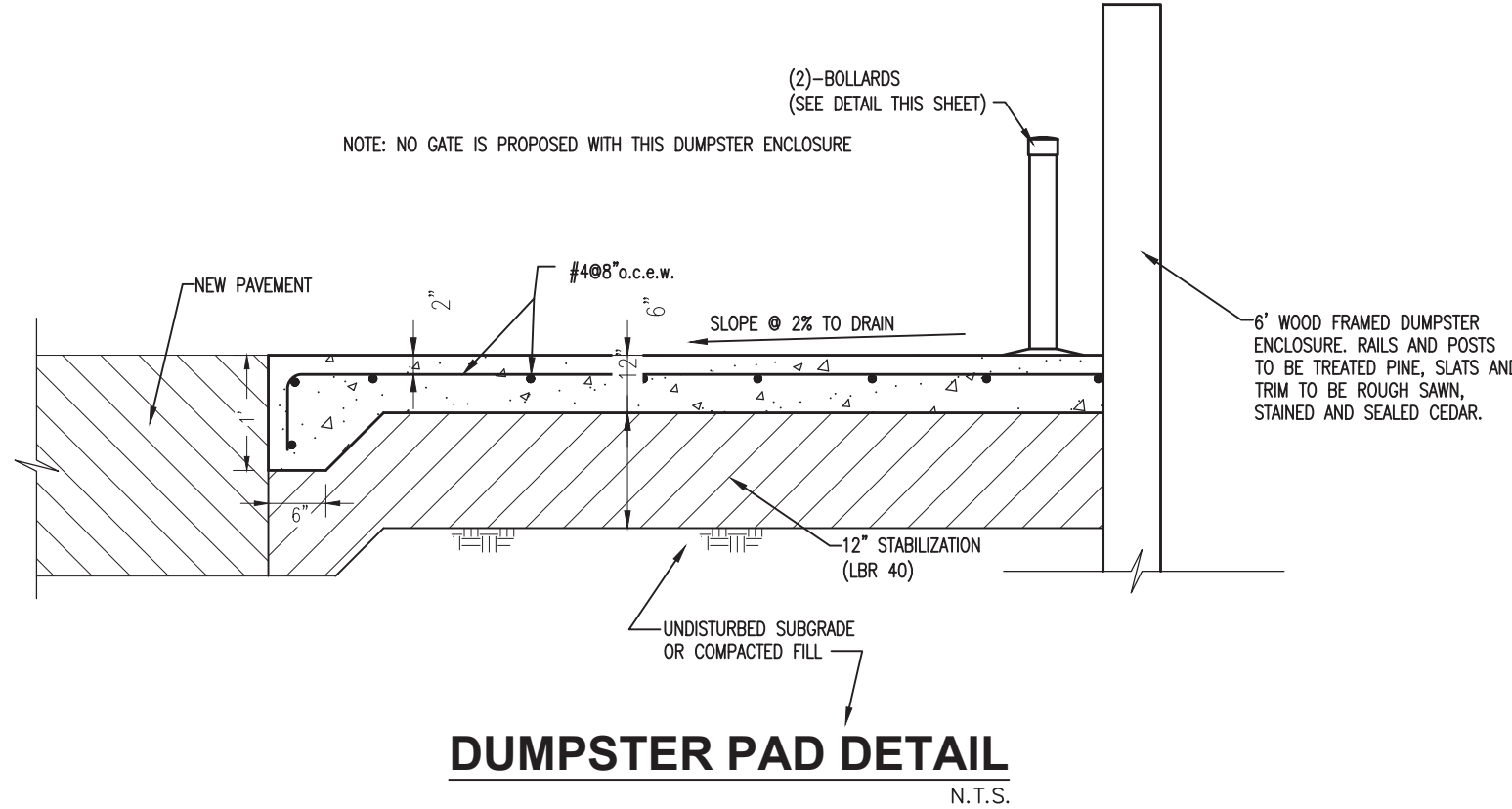
NOTES:

1. THE CONTRACTOR SHALL PROVIDE THE GRAIN-SIZE ANALYSIS OF THE SELECTED FILTER SAND TO THE REGISTERED PROFESSIONAL.
2. PROVIDING A SILT FENCE AROUND THE PERIMETER OF SAND FILTER UNTIL THE DRAINAGE BASIN IS STABILIZED, WITH SUBSEQUENT REMOVAL, OR; PROVIDING AN OVERBURDEN OF CLEAN FILTER SAND (SIX INCHES MINIMUM) ABOVE THE FILTER UNTIL ALL UPSTREAM AREAS ARE STABILIZED, WITH SUBSEQUENT REMOVAL.

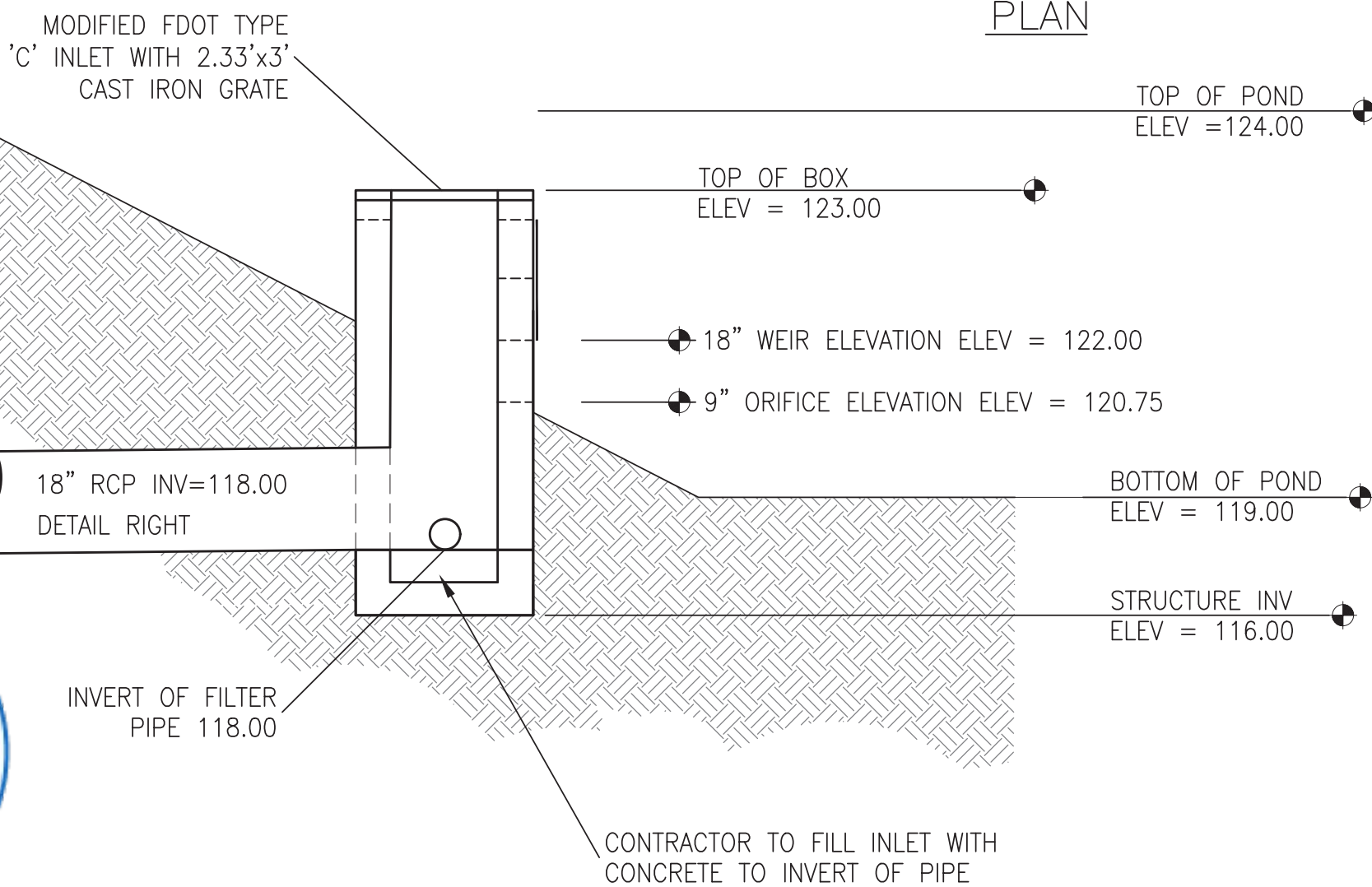
SAND FILTER DETAIL
N.T.S.



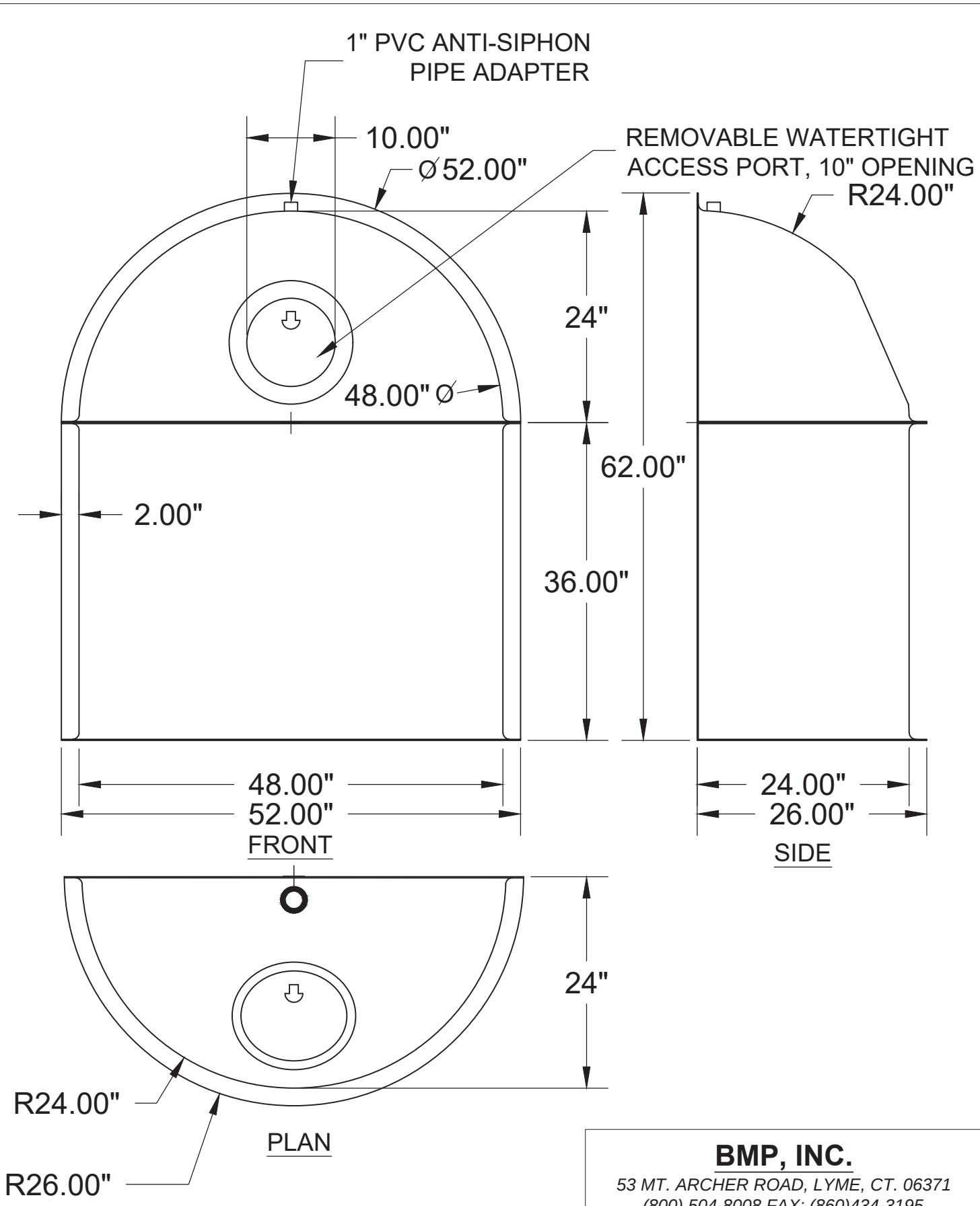
CONCRETE SLAB DETAIL
N.T.S.



DUMPSTER PAD DETAIL
N.T.S.



OUTFALL CONTROL STRUCTURE DETAIL
WITH OIL/WATER SEPARATOR
N.T.S.



BMP, INC.		
53 MT. ARCHER ROAD, LYME, CT. 06371 (800) 504-8008 FAX: (860)434-3195		
DESCRIPTION 48FTB SNOOT OIL & DEBRIS STOP	DATE 09/28/99	SCALE NONE
DRAWING NUMBER 48FTB		



BUSY BEE #7

SERVICE AREA EXPANSION

JOHNSON & JOHNSON, INC.
COLUMBIA COUNTY, FLORIDA

SEAL

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WILLIAM A. MENADIER, P.E. 74581
COA# 8794

CONSTRUCTION DOCUMENTS

SCALE

0' 15' 30' 60'

SCALE: 1" = 30'

REVISIONS

[illegible]

NO.	DESCRIPTION	DATE
-----	-------------	------

DRAWN BY	<u>JAL</u>
APPROVED BY	<u>WAM</u>
CHECKED BY	<u>JAL</u>
DATE	<u>AUGUST 2021</u>

TITLE

LANDSCAPE
PLAN

PROJECT NO.	50136924
-------------	----------

L1

SHEET NO.

