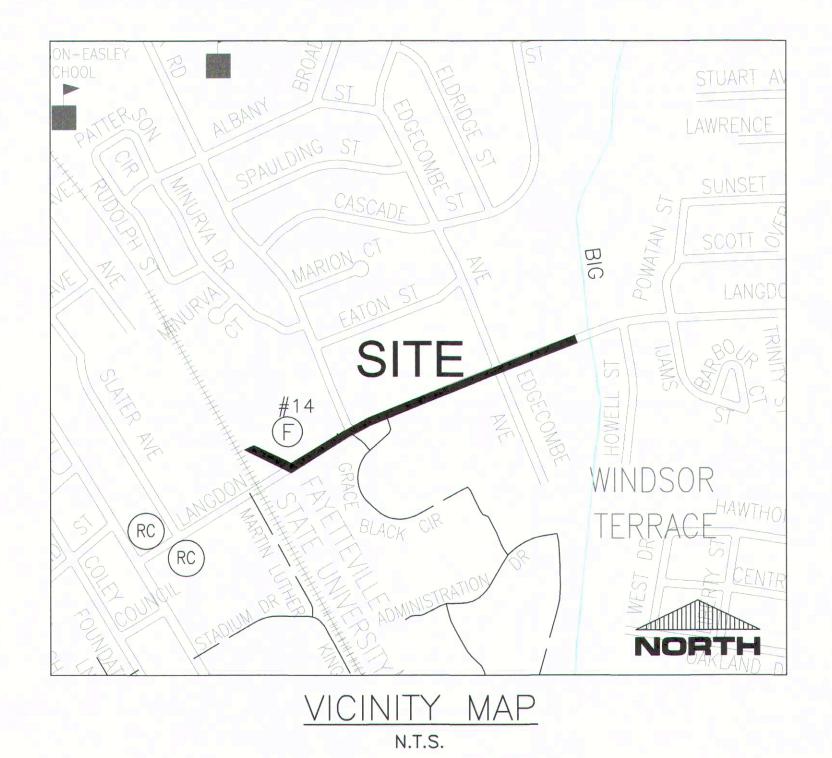


FAYETTEVILLE, N.C.

JASPER TO LANGDON

8" SANITARY SEWER MAIN RELOCATION LANGDON STREET SEWER REALIGNMENT







SHEET INDEX

PWC COVER SHEET

EC - EROSION CONTROL NOTES AND SPECIFICATIONS

UP1 (UTILITY PLAN 1, STA. 0+00 - STA. 11+00)

UP2 (UTILITY PLAN 2, STA. 11+00 - STA. 24+32)

S1 (PLAN AND PROFILE 1, 0+00 - STA. 11+00)

S2 (PLAN AND PROFILE 2, STA. 11+00 - STA. 24+32)

D1 (STANDARD DETAILS)

D2 (STANDARD DETAILS)

D3 (COF DETAILS)





PWC DWG # DS-15887

GENERAL NOTES

- THE CONTRACTOR SHALL LIMIT THEIR OPERATIONS TO THE EXISTING EASEMENTS, PUBLIC ROW, AND CONSTRUCTION LIMITS AS SHOWN.
- ACCESS POINTS TO THE EXISTING PWC UTILITY EASEMENT ARE BASED ON THE PUBLIC WORKS COMMISSION'S BEST AVAILABLE INFORMATION. THE SUCCESSFUL CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THEIR ACCESS POINTS AND NEGOTIATING WITH THE INDIVIDUAL PROPERTY OWNERS AND/OR OTHER CONTRACTORS WORKING IN THE AREA.
- ALL ROADS ARE OWNED AND MAINTAINED BY THE CITY OF FAYETTEVILLE OR NCDOT, UNLESS OTHERWISE NOTED.
- 4. THE CONTRACTOR IS REQUIRED TO EXAMINE EXISTING CONDITIONS AND FAMILIARIZE THEMSELVES WITH THE SITE PRIOR TO SUBMITTING A BID.
- 5. THE CONTRACTOR SHALL REPLACE ANY FENCING DISTURBED AS PART OF THEIR OPERATIONS FOR THE WORK DESCRIBED WITHIN THESE CONTRACT DOCUMENTS AND PLANS. THE CONTRACTOR SHALL PROVIDE ANY TEMPORARY FENCING AS REQUIRED. FENCES SHALL BE REMOVED AND REPLACED WITH NEW MATERIALS TO RESTORE THE ITEM TO ITS ORIGINAL CONDITION OR BETTER. NO ADDITIONAL PAYMENT WILL BE MADE.
- 6. ONCE CONSTRUCTION HAS BEEN COMPLETED, THE CONTRACTOR IS RESPONSIBLE FOR RESTORING THE SITE TO ITS ORIGINAL CONDITION OR

CONSTRUCTION SEQUENCE:

- 1. OBTAIN PLAN APPROVAL AND ALL OTHER APPLICABLE PERMITS
- FLAG LIMITS OF CONSTRUCTION.
- 3. HOLD PRE-CONSTRUCTION CONFERENCE AT LEAST ONE WEEK PRIOR TO BEGINNING CONSTRUCTION.
- INSTALL CONSTRUCTION ENTRANCES / EXITS AS INDICATED ON PLANS.
- INSTALL TEMPORARY SEDIMENT FENCE AS INDICATED ON PLANS.
- INSTALL UTILITIES IN ACCORDANCE WITH PWC REQUIREMENTS.
- 7. COMPLETE FINAL GRADING OF AREAS DISTURBED BY CONSTRUCTION OF THE PROPOSED UTILITIES.
- COMPLETE SEEDING/GROUND STABILIZATION.

DISTURBED AREA NOTES:

- ALL DISTURBED AREA(S) AND PARTICULARLY EXPOSED SLOPES SHALL BE SEEDED, FERTILIZED AND MULCHED TO ENSURE THAT GROUND COVER IS PROVIDED WITHIN 7 TO 14 CALENDAR DAYS, FOLLOWING COMPLETION OF ANY PHASE OF GRADING; PERMANENT GROUND COVER FOR ALL DISTURBED AREA(S) WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS (WHICHEVER IS SHORTER) FOLLOWING COMPLETION OF CONSTRUCTION. (SEE TABLE BELOW.)
- THE ANGLE FOR GRADED SLOPES AND FILLS SHALL BE NO GREATER THAN THE ANGLE THAT CAN BE RETAINED BY VEGETATIVE COVER OR OTHER ADEQUATE EROSION CONTROL DEVICES OR STRUCTURES. SLOPES LEFT EXPOSED WILL BE PLANTED OR OTHERWISE PROVIDED WITH TEMPORARY OR PERMANENT GROUND COVER, DEVICES, OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION WITHIN 7 TO 14 CALENDAR DAYS OF COMPLETION DEPENDING ON SLOPE. (SEE TABLE

GROUND STABILIZATION (temporary)				
SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	EXCEPTIONS		
PERIMETER DIKES, SWALES, DITCHES & SLOPES	7 CALENDAR DAYS	NONE		
HIGH QUALITY WATER ZONES (HQW)	7 CALENDAR DAYS	NONE		
SLOPES STEEPER THAN 3:1	7 CALENDAR DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED		
SLOPES 3:1 OR FLATTER	14 CALENDAR DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH		
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 CALENDAR DAYS	NONE (EXCEPT FOR PERIMETERS AND HQW ZONES)		

TURFING NOTES:

THE CONTRACTOR SHALL RE-SEED DISTURBED AREAS WITH THE SAME TYPE OF GRASS AS FOUND ON THE SITE. ALL HIGHWAY RIGHTS-OF-WAY, AND PRIVATE YARDS DISTURBED SHALL BE RE-SEEDED OR RE-SODDED WITH THE SAME TYPE OF GRASS PREVIOUSLY FOUND. THE SEED MIXTURE SPECIFICATION SHALL BE USED AS A GUIDE AND THE CONTRACTOR IS CHARGED WITH THE RESPONSIBILITY OF SEEDING OR SODDING AREAS WITH THE PROPER TYPE OF GRASS THAT MATCHES THE EXISTING.

THE CONTRACTOR SHALL CONSULT THE REGIONAL STATE EROSION CONTROL OFFICER FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DENUDED AREAS. THE LISTED VEGETATIVE RATES ARE THOSE WHICH DO WELL UNDER LOCAL CONDITIONS; OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE.

SOIL AMENDMENTS:

1. LIME SHALL BE APPLIED AT THE RATE OF 1,000 POUNDS PER ACRE. 10-20-20 COMMERCIAL FERTILIZER SHALL BE APPLIED AT THE RATE OF 1,000 POUNDS PER ACRE AND WORKED IN TO THE TOP FOUR INCHES (4") OF TOP SOIL. IF HYDRO-SEEDING, USE 500 POUNDS PER ACRE OF 10-10-10 FERTILIZER ON SLOPES STEEPER THAN 1/2 HORIZONTAL TO 1 VERTICAL, UNLESS A SOILS TEST STATES OTHERWISE.

ALL SEEDED AREAS SHALL BE MULCHED WITH TWO (2) TONS PER ACRE OF SMALL GRAIN STRAW OR WOOD CELLULOSE FIBER SPREAD UNIFORMLY. APPROXIMATELY ONE-QUARTER (1/4) OF THE GROUND SHOULD BE VISIBLE TO AVOID SMOTHERING SEEDLINGS. ASPHALT EMULSION (IN ACCORDANCE WITH ASTM D-977 AND ASTM D-2028) SHALL BE USED TO ANCHOR THE STRAW APPLIED AT 150 GALLONS PER TON OF STRAW, OR CRIMPED TO STABILIZE. ASPHALT EMULSION SHALL BE REQUIRED FROM NOVEMBER 1ST TO MARCH 31ST. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT MULCH FROM ENTERING DRAINAGE STRUCTURES AND PROMPTLY REMOVE ANY BLOCKAGE WHICH MAY OCCUR.

- 1. THE CONTRACTOR SHALL PROTECT AND MAINTAIN GRASSED AREAS AS NECESSARY TO ESTABLISH A UNIFORM TURF COMPRISED OF THE GRASSES SPECIFIED. THE CONTRACTOR SHALL PROMPTLY RE-SEED OR RE-SOD ANY BARE AREAS AND REPAIR ALL ERODED AREAS, AT NO ADDITIONAL COST TO PWC.
- WATERING OF SEEDED AND SODDED AREAS WILL BE REQUIRED DURING PERIODS OF DRY WEATHER TO PROMOTE MAXIMUM GROWTH. THE CONTRACTOR SHALL SUPPLEMENT NATURAL RAINFALL TO ENSURE A MINIMUM OF ONE INCH OF WATER WEEKLY.
- MAINTENANCE OF LAWNS BEGINS IMMEDIATELY AFTER THE AREA IS PLANTED AND CONTINUES FOR THE PERIOD REQUIRED TO ESTABLISH ACCEPTABLE LAWNS, BUT NOT LESS THAN SIXTY (60) CALENDAR DAYS AFTER INITIAL SEEDING, OR UNTIL FINAL ACCEPTANCE BY THE FAYETTEVILLE PUBLIC WORKS COMMISSION. THE CONTRACTOR SHALL MAINTAIN SEEDED AREAS BY WATERING, FERTILIZING, MOWING, WEEDING AND OTHER OPERATIONS SUCH AS ROLLING. RE-GRADING, REPLANTING, AERATING, AND MULCHING AS REQUIRED TO ESTABLISH AN ACCEPTABLE LAWN FREE OF ERODED OR BARE AREAS.

TURFING SCHEDULE:

SEED SHALL BE CERTIFIED TO BE THE LATEST SEASON'S CROP AND SHALL BE DELIVERED IN ORIGINAL SEALED PACKAGES BEARING THE PRODUCER'S GUARANTEED ANALYSIS FOR PERCENTAGES OF MIXTURES AND PURE LIVE SEED. THE PRODUCER'S SEED LABEL SHALL INDICATE THE MINIMUM PERCENT OF PURE LIVE SEED (WHICH SHALL BE 82.45 FOR BERMUDA, 88 FOR RYE GRAIN), THE MINIMUM PERCENT OF GERMINATION IN HARD SEED, AND MAXIMUM PERCENT OF WEED SEED (NO MORE THAN 1 PERCENT FOR BERMUDA, 0.5 PERCENT FOR RYE GRAIN). SEED SHALL BE LABELED IN CONFORMANCE WITH U.S. DEPARTMENT OF AGRICULTURE RULES AND REGULATIONS UNDER THE FEDERAL SEED ACT AND APPLICABLE STATE SEED LAWS. SEED THAT HAS BECOME WET, MOLDY, OR OTHERWISE DAMAGED SHALL NOT BE ACCEPTABLE.

THE FOLLOWING SEED MIXTURE SHALL BE USED:

TEMPORARY SEED MIXTURE

DATE	TYPE	PLANTING RATE
APRIL 15 - SEPT. 1	GERMAN MILLET	120 LBS/ACRE
AUG. 15 - NOV. 15	GRAIN RYE	120 LBS/ACRE
NOV. 1 - APRIL 1	GRAIN RYE	120 LBS/ACRE

PERMANENT SEED MIXTURE

DATE	TYPE	PLANTING RATE
APRIL 15 - SEPT. 1	K-31 FESCUE COMMON BERMUDA CENTIPEDE	70 LBS/ACRE 60 (HULLED) LBS/ACRE 5 LBS/ACRE
AUG. 15 - NOV. 15	K-31 FESCUE COMMON BERMUDA CENTIPEDE	120 LBS/ACRE 25 (HULLED) LBS/ACRE 5 LBS/ACRE
NOV. 1 - APRIL 1	K-31 FESCUE COMMON BERMUDA CENTIPEDE	120 LBS/ACRE 25 (HULLED) LBS/ACRE 5 LBS/ACRE

GENERAL NOTES SEDIMENT POLLUTION CONTROL ACT

MINIMUM REQUIREMENTS FOR EROSION CONTROL ARE SHOWN ON THE DRAWINGS. BASED ON THE PWC PROJECT ENGINEER'S ANTICIPATED CONSTRUCTION METHODS AND SEQUENCES. INDIVIDUAL CONTRACTORS SHALL SUPPLEMENT OR PROVIDE ADDITIONAL MEASURES TO COMPLEMENT THEIR TYPE OF CONSTRUCTION TO PREVENT TRANSMITTAL OF SILT. INDIVIDUAL CONTRACTORS ARE REQUIRED TO MAINTAIN MINIMUM STANDARDS FOR EROSION CONTROL AS REQUIRED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY. ALL FEES, PENALTIES, AND/OR FINES, FOR NONCOMPLIANCE AND ALL CIVIL ACTIONS RESULTING THEREFROM SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL IN NO WAY INVOLVE THE FAYETTEVILLE PUBLIC WORKS COMMISSION. THE CONTRACTOR MAY BE REQUIRED TO MODIFY OR SUPPLEMENT MEASURES AT NO ADDITIONAL COST TO THE FAYETTEVILLE PUBLIC WORKS COMMISSION. ALL EROSION CONTROL MEASURES SHALL REMAIN SERVICEABLE UNTIL THE SITE IS RESTORED AND STABILIZED, UPON SUCH TIME THE MEASURES SHALL BE REMOVED BY THE CONTRACTOR. THE SITE MUST BE RESTORED AND STABILIZED PRIOR TO THE FAYETTEVILLE PUBLIC WORKS COMMISSION RELEASING FINAL PAYMENT.

1. MINIMUM MONITORING AND REPORTING REQUIREMENTS

- ALL SEDIMENTATION AND EROSION CONTROL FACILITIES SHALL BE INSPECTED BY THE CONTRACTOR AT LEAST ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT.
- STORM WATER RUNOFF DISCHARGES SHALL BE INSPECTED BY VISUAL OBSERVATION AT THE FREQUENCY OUTLINED ABOVE. IF ANY SEDIMENTATION IS LEAVING THE SITE, CORRECTIVE ACTION SHALL BE IMMEDIATELY TAKEN TO ELIMINATE THE DISCHARGE OF SEDIMENTS.

2. MAINTENANCE AND INSPECTIONS

- THE CONTRACTOR SHALL KEEP ALL EROSION CONTROL DEVICES AND MATERIALS IN GOOD REPAIR AND OPERATING AT OPTIMUM EFFICIENCY. THE FAYETTEVILLE PUBLIC WORKS COMMISSION RESERVES THE RIGHT, WITH 24 HOURS PRIOR NOTICE, TO REPAIR ANY EROSION CONTROL MEASURES OR MATERIALS AS REQUIRED, AND DEDUCT THE COST OF THOSE REPAIRS FROM THE CONTRACTOR'S REQUEST FOR PAYMENT.
- THE FAYETTEVILLE PUBLIC WORKS COMMISSION AND/OR NCDEQ REPRESENTATIVES MAY PERIODICALLY EVALUATE THE PROJECT FOR COMPLIANCE WITH THESE REQUIREMENTS.

THE CONTRACTOR SHALL ENSURE THAT THE STREETS WITHIN THE PROJECT ARE PROTECTED FROM MUD, SAND, STONE, LITTER OR DEBRIS IN ANY FORM. ALL MUD COLLECTED ON VEHICLE WHEELS SHALL BE REMOVED BEFORE LEAVING THE CONSTRUCTION SITE. SHOULD ANY MUD OR DEBRIS FROM THE PROJECT COLLECT ON THE STREETS, IT SHALL BE REMOVED IMMEDIATELY TO PREVENT ANY HAZARDS TO VEHICULAR OR PEDESTRIAN TRAFFIC. THE CONTRACTOR IS REQUIRED TO CLEAN THE STREETS DAILY OF CONSTRUCTION RELATED DEBRIS, DUST, AND MUD. THE CONTRACTOR SHALL CLEAN THE STORM DRAINAGE SYSTEM (AND DOWNSTREAM SYSTEMS) AFFECTED BY CONSTRUCTION RUNOFF PRIOR TO FINAL ACCEPTANCE AND PAYMENT. THE FAYETTEVILLE PUBLIC WORKS COMMISSION RESERVES THE RIGHT TO PROCEED WITH STREET CLEANING SHOULD THE CONTRACTOR FAIL TO COMPLY WITH THIS REQUIREMENT AND DEDUCT THE COSTS FROM THE CONTRACTOR'S REQUEST FOR PAYMENT.

EQUIPMENT UTILIZED DURING CONSTRUCTION ACTIVITY MUST BE OPERATED AND MAINTAINED IN A MANNER TO PREVENT THE POLLUTION OF SURFACE OR GROUND WATERS. FUELS, LUBRICANTS, COOLANTS, HYDRAULIC FLUIDS, OR ANY OTHER PETROLEUM PRODUCTS SHALL NOT BE DISCHARGED ON THE GROUND OR INTO SURFACE WATERS. SPENT FLUIDS SHALL NOT ENTER GROUND OR SURFACE WATERS. FLUIDS SHALL BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS. ANY SPILLED FLUIDS SHALL BE IMMEDIATELY CLEANED UP AND DISPOSED OF TO PREVENT ENTRY INTO SURFACE OR GROUND WATERS, STORM SEWERS, OR DRAINS ON PRIVATE OR PUBLIC PROPERTY. THE CONTRACTOR SHALL PROVIDE PRIMARY AND SECONDARY CONTAINMENT SYSTEMS FOR FLUID STORAGE, FUELING AND SERVICING EQUIPMENT.

THE CONTRACTOR, HIS SUBCONTRACTORS, AND MATERIAL SUPPLIERS ARE PROHIBITED FROM DISCHARGING ANY WASTE PRODUCTS OR OTHER UNSUITABLE MATERIALS INTO THE STORM SEWER SYSTEM OR ONTO PRIVATE PROPERTY.

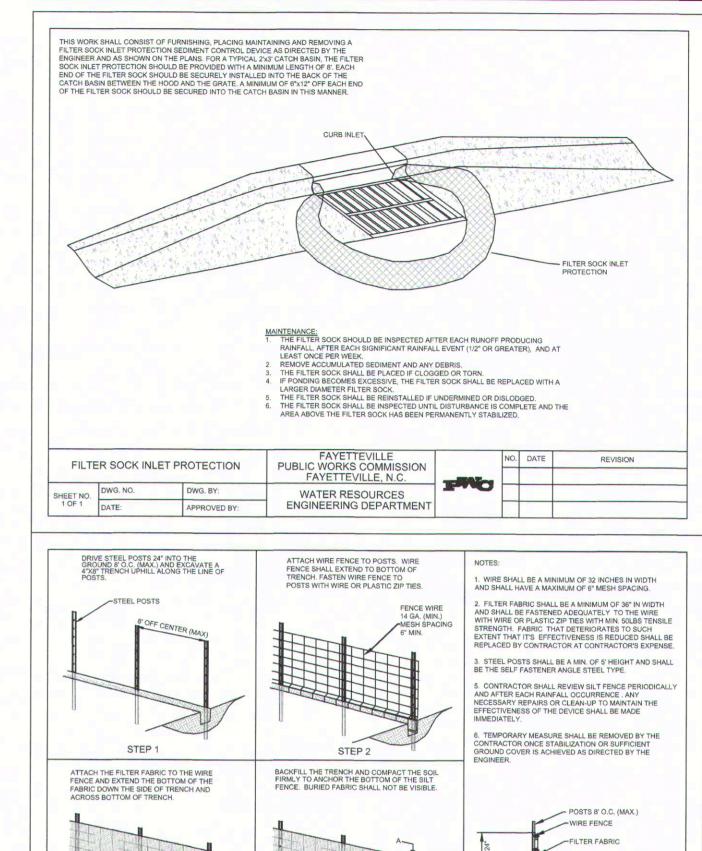
THE CONTRACTOR SHALL CONTROL THE MANAGEMENT AND DISPOSAL OF LITTER AND SANITARY WASTE FROM THE SITE TO ENSURE THAT NO ADVERSE IMPACTS TO WATER QUALITY OCCUR.

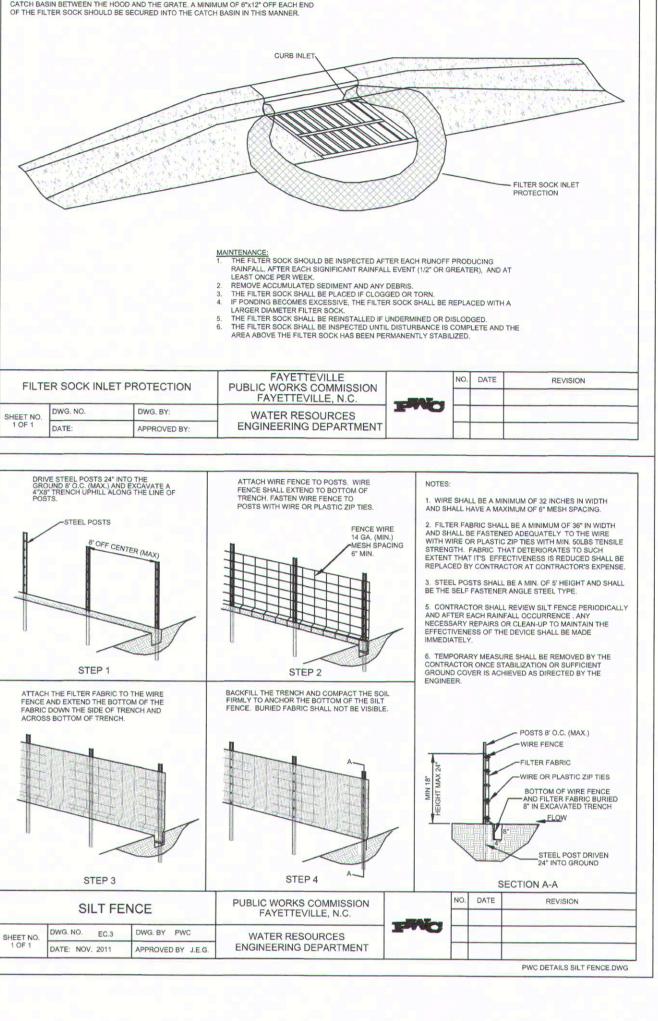
THE CONTRACTOR SHALL PAY ALL COSTS OF THE CLEAN UP AND REMOVAL OF ANY SUCH UNAUTHORIZED DISCHARGE AND PAY ANY AND ALL FINES, PENALTIES, AND/OR

Pursuant to G.S.113A-57(2), the angle for graded slopes and fills shall be not greater than the angle that can be retained by vegetative cover or other adequate erosion-control devices or structures. In any event, slopes left exposed will, within 7 calendar days of completion of any phase of grading, be planted or otherwise provided with temporary or permanent ground cover, devices, or structures sufficient to restrain erosion. Pursuant to G.S.113A(3), provisions for permanent ground cover sufficient to restrain erosion must be accomplished for all disturbed areas within 15 working days or 90 calendar days (whichever is shorter) following completion of construction or development.

EROSION CONTROL NOTES:

- 1. LIMITS OF CONSTRUCTION: ±0.095 AC
- TOTAL DISTURBED AREA: ±0.095 AC





FAYETTEVILLE PUBLIC WORKS COMMISSION WATER RESOURCES ENGINEERING APPROVED FOR CONSTRUCTION

Date: 02/28/2025

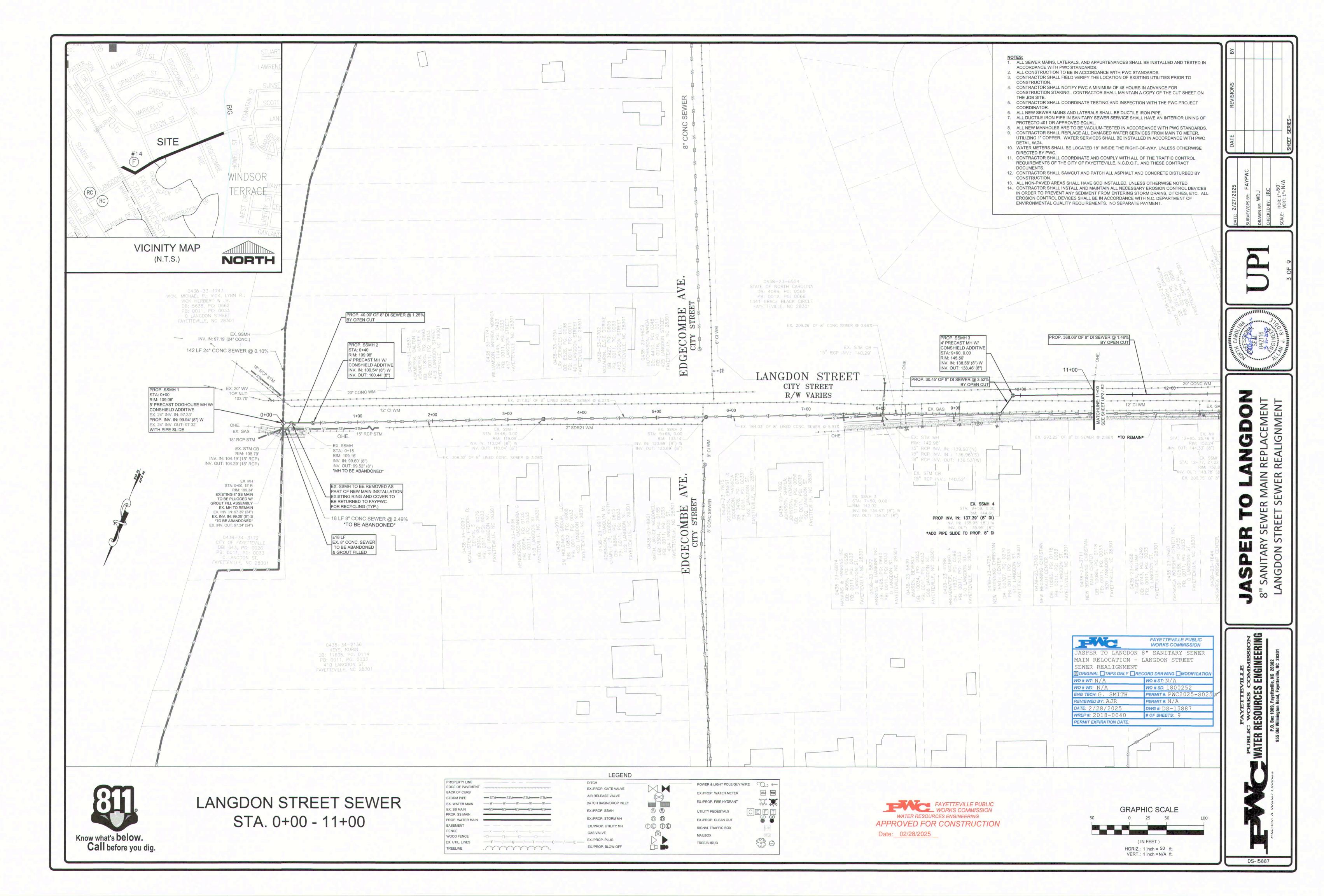
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PUBLIC WORKS COMMISSION WATER RESOURCES ENGINEERING

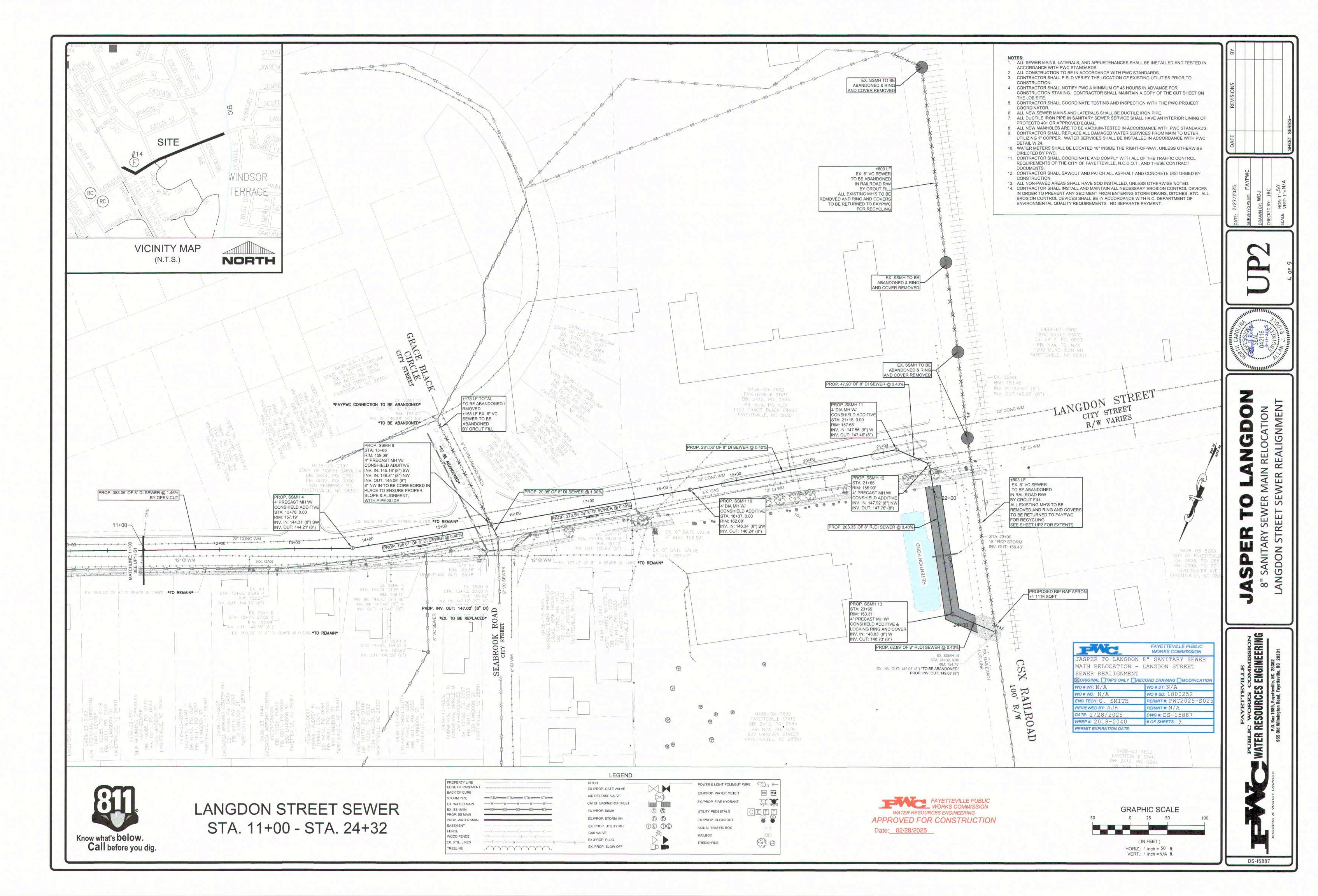
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Know what's below. Call before you dig.

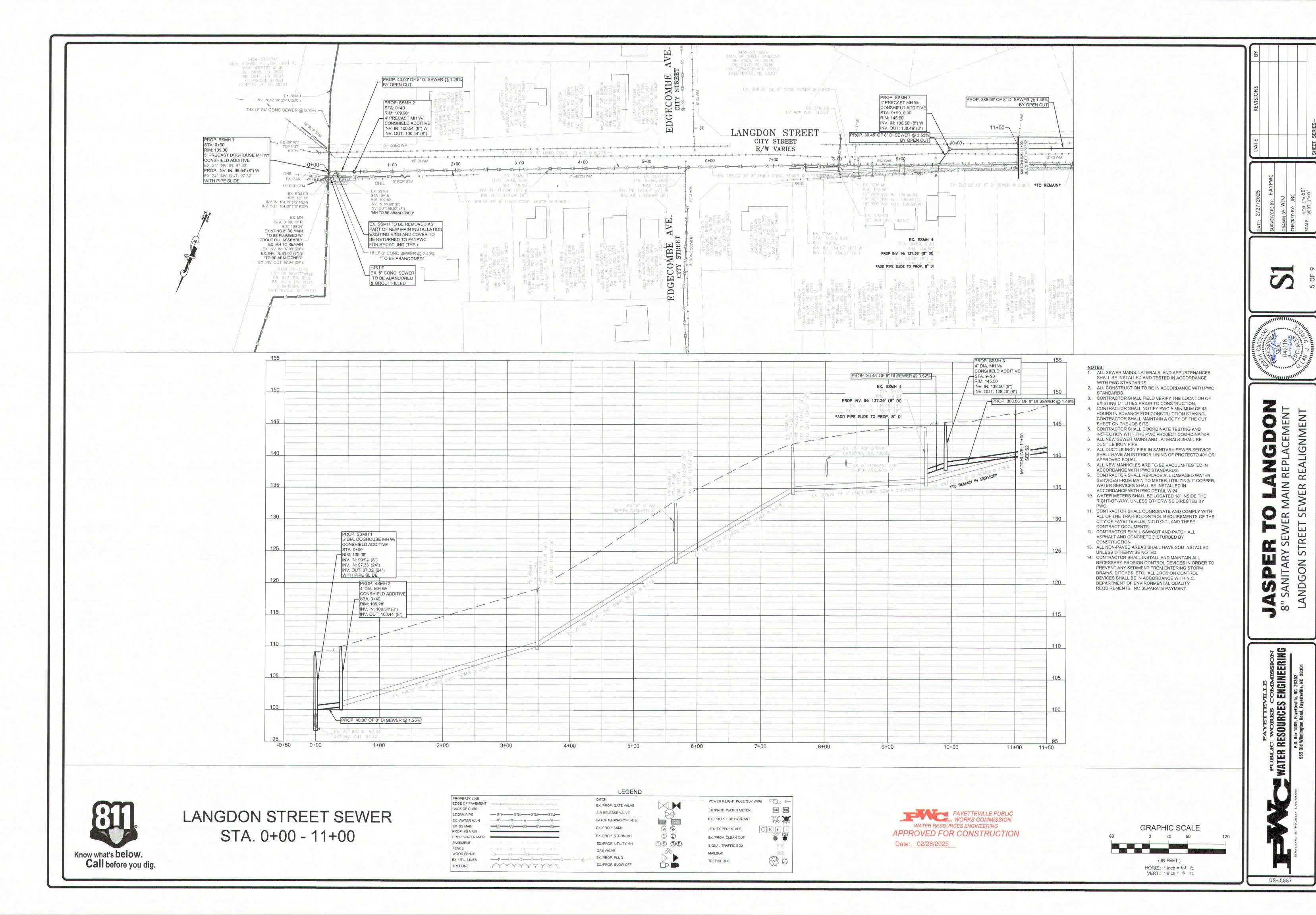


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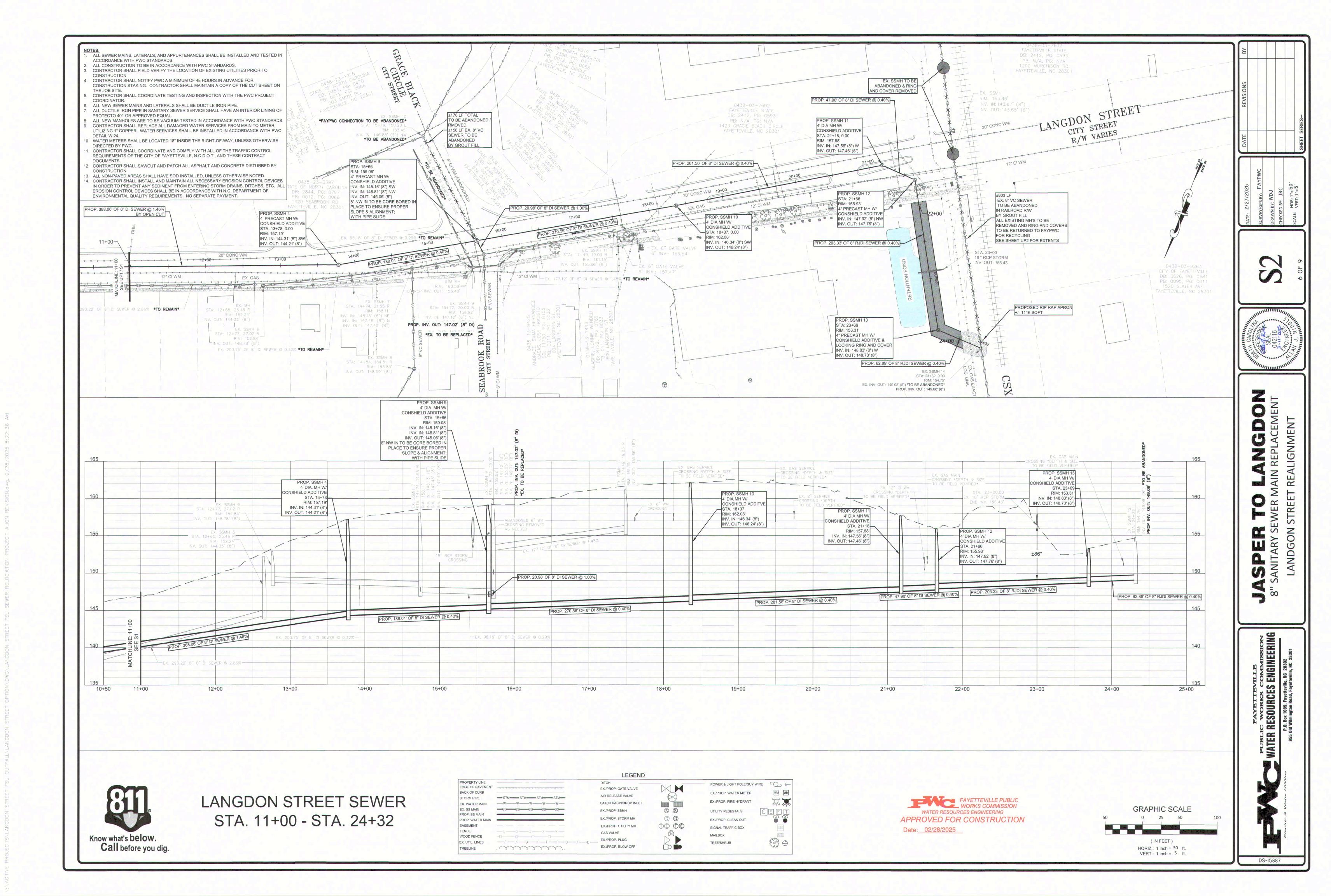
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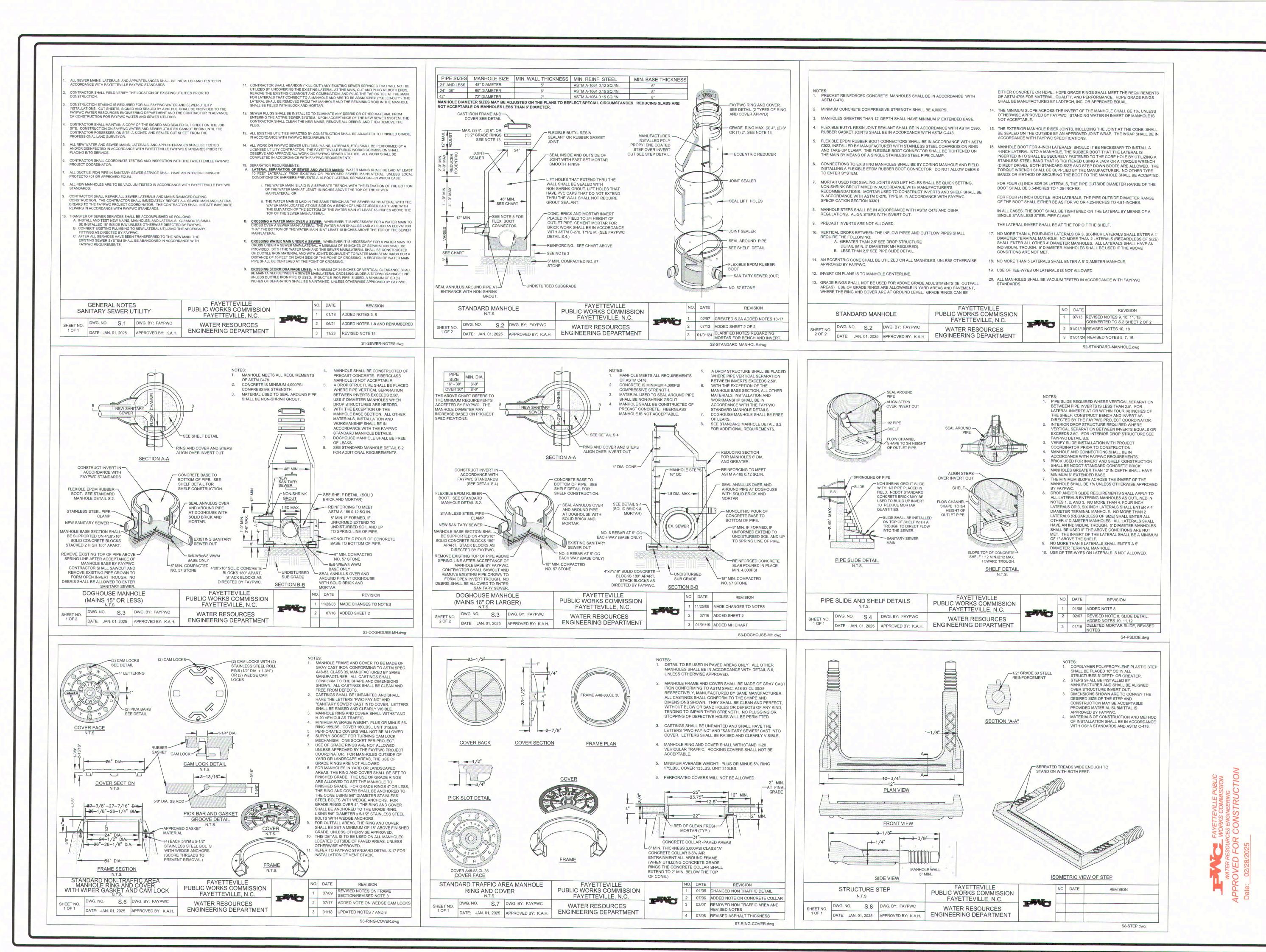


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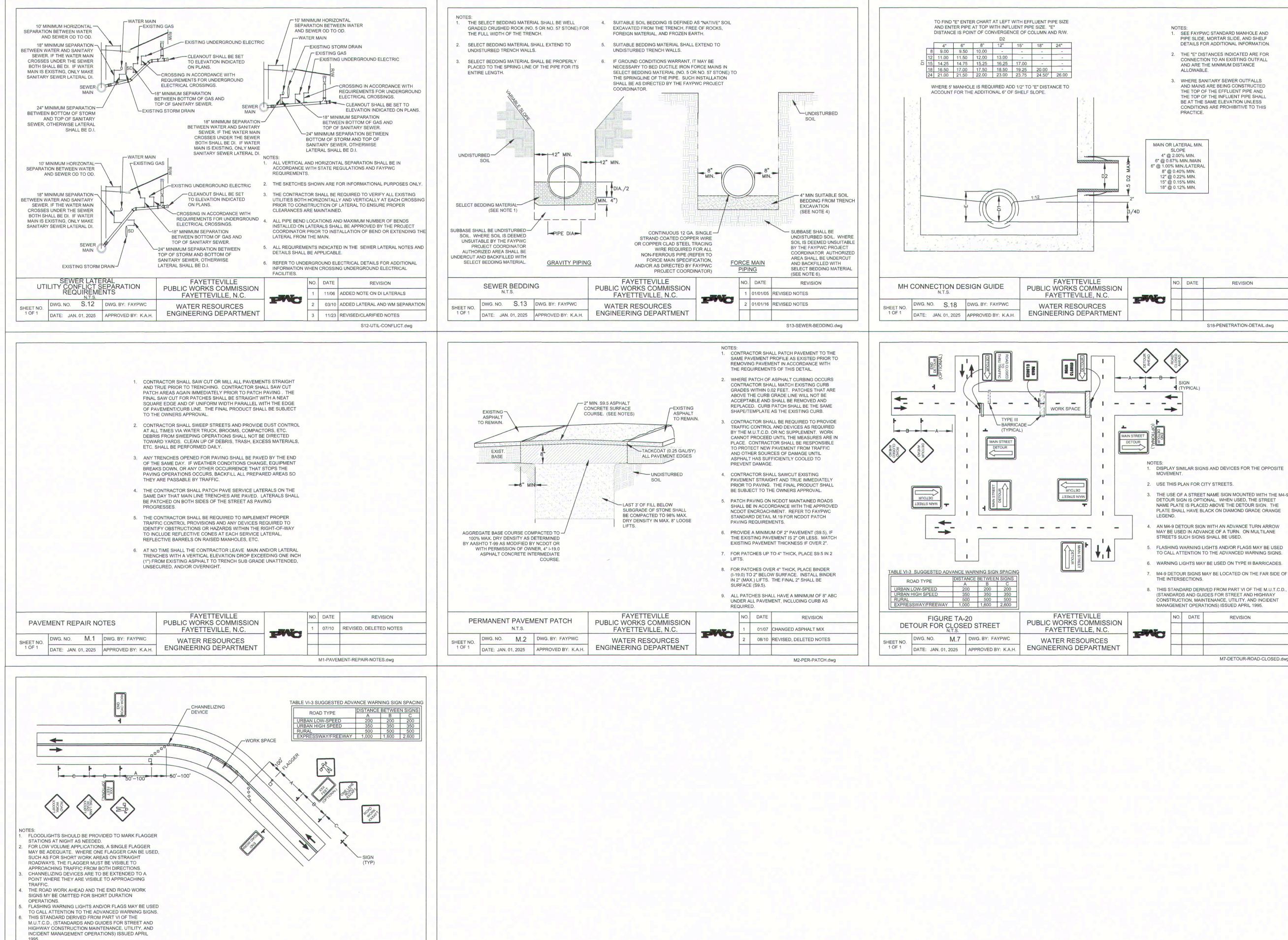




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DS-15887



FAYETTEVILLE

PUBLIC WORKS COMMISSION

FAYETTEVILLE, N.C.

WATER RESOURCES

ENGINEERING DEPARTMENT

DWG. NO. M.8 DWG. BY: FAYPWC

DATE: JAN. 01, 2025 APPROVED BY: K.A.H.

REVISION

M8-DETOUR-ROAD-CLOSED.dwg

REVISION S18-PENETRATION-DETAIL.dwg 1. DISPLAY SIMILAR SIGNS AND DEVICES FOR THE OPPOSITE 2. USE THIS PLAN FOR CITY STREETS. 3. THE USE OF A STREET NAME SIGN MOUNTED WITH THE M4-9 DETOUR SIGN IS OPTIONAL. WHEN USED, THE STREET NAME PLATE IS PLACED ABOVE THE DETOUR SIGN. THE PLATE SHALL HAVE BLACK ON DIAMOND GRADE ORANGE AN M4-9 DETOUR SIGN WITH AN ADVANCE TURN ARROW MAY BE USED IN ADVANCE OF A TURN. ON MULTILANE STREETS SUCH SIGNS SHALL BE USED. 5. FLASHING WARNING LIGHTS AND/OR FLAGS MAY BE USED TO CALL ATTENTION TO THE ADVANCED WARNING SIGNS. WARNING LIGHTS MAY BE USED ON TYPE III BARRICADES. 7. M4-9 DETOUR SIGNS MAY BE LOCATED ON THE FAR SIDE OF THE INTERSECTIONS.

M7-DETOUR-ROAD-CLOSED.dwg

FAYETTEVILLE PUBLIC WORKS COMMISSION WATER RESOURCES ENGINEERING APPROVED FOR CONSTRUCTION Date: 02/28/2025

RESOURCES WATER DS-15887

MAIN

WER

SANITA

ANGDON

TYPICAL 24" VERTICAL CURB

TYPICAL 30" VERTICAL CURB

TYPICAL 24" ROLL-BACK CURB

TYPICAL 30" ROLL CURB

FOR FUTURE ACCESSIBLE RAMPS.

1. ALL CURBS CONSTRUCTED OF 3000 PSI CONCRETE.

CONTRACTION JOINTS EVERY 10'; EXPANSION JOINTS EVERY 30'.

CURB SHALL BE DEPRESSED AT INTERSECTIONS TO PROVIDE

4. TOP 6" OF SUBGRADE BENEATH THE CURB AND GUTTER SHALL BE COMPACTED TO 100% STANDARD PROCTOR DENSITY.

PITCH 1/8" PER FT.

PITCH 5/8" PER FT.

TYPICAL 24" SPILL-OFF CURB

PITCH 1/8" PER FT.

ENGINEERING DIVISION

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PITCH 5/8" PER FT.

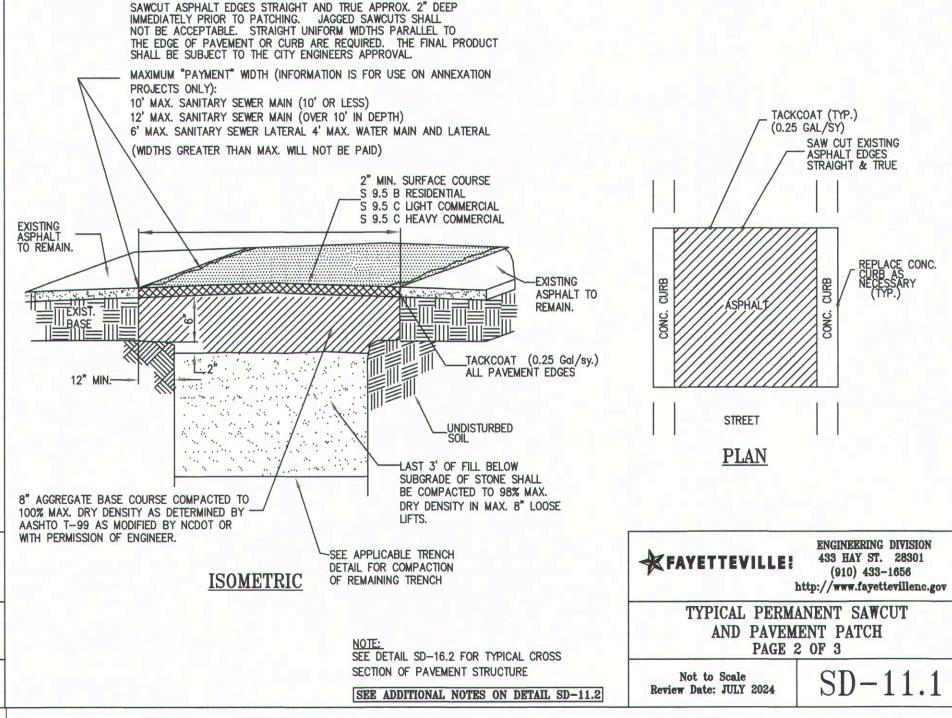
TYPICAL 30" SPILL-OFF CURB

**FAYETTEVILLE! 433 HAY ST. 28301

24" AND 30"

CURB DETAILS

Not to Scale Review Date: 26 JAN 21



- 1. CONTRACTOR SHALL PATCH PAVEMENT TO THE SAME PAVEMENT CROSS SECTION AS EXISTED PRIOR TO REMOVING PAVEMENT. THE STREET CROWN SHALL BE RESTORED. PATCH SHALL MATCH EXISTING PAVEMENT WITHIN 0.02' WHEN CHECKED WITH A 10' STRAIGHT EDGE. ADJUST PAVER AS REQUIRED. PATCH PAVING MAY OCCUR PRIOR TO PULLING MANDREL THRU SS PROVIDED DENSITY TEST OF TRENCH BACKFILL MEET THE REQUIRED DENSITY AND ENGINEER APPROVES PATCHING STREET PRIOR TO MANDREL TESTING SANITARY SEWER MAIN.
- 2. WHERE PATCH OF CURBING OCCURS CONTRACTOR SHALL MATCH EXISTING CURB GRADES WITHIN 0.02 FEET. PATCHES THAT ARE ABOVE THE CURB GRADE LINE WILL NOT BE ACCEPTABLE AND SHALL BE REMOVED AND REPATCHED AT NO EXPENSE TO THE OWNER. CURB PATCH SHALL BE THE SAME SHAPE/TEMPLATE AS THE EXISTING CURB.
- 3. CONTRACTOR SHALL BE REQUIRED TO PROVIDE TRAFFIC CONTROL AND DEVICES AS REQUIRED BY THE MUTCO OR N.C. SUPPLEMENT. WORK CAN NOT PROCEED UNTIL THE MEASURES ARE IN PLACE. CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT NEW PAVEMENT FROM TRAFFIC AND OTHER SOURCES OF DAMAGE UNTIL ASPHALT HAS SUFFICIENTLY COOLED TO PREVENT DAMAGE FROM SURFACE DEFLECTIONS.
- 4. CONTRACTOR SHALL SAWCUT EXISTING PAVEMENT STRAIGHT AND TRUE PRIOR TO REMOVING ASPHALT FOR UTILITY INSTALLATION. THE ENGINEER MAY APPROVE THE USE OF A MILLING MACHINE FOR REMOVAL OF THE EXISTING PAVEMENT WITHIN TRENCH LIMITS. WHERE MILLING IS APPROVED THE CONTRACTOR SHALL PLACE AND COMPACT MILLINGS IN MILLED AREA TO PROVIDE AN INTERIM TRAFFIC SURFACE. MILLING WHERE APPROVED BY ENGINEER IS AN ALTERNATE TO CUTTING ASPHALT AND DISPOSING OFF-SITE.
- * 5. AFTER UTILITY IS INSTALLED AND TESTED AND THE EXCESS BASE MATERIAL REMOVED (APPROX. 2") CONTRACTOR SHALL AGAIN SAWCUT EXISTING PAVEMENT STRAIGHT AND TRUE IMMEDIATELY PRIOR TO PAVING AS NOTED ABOVE.
- 6. MILLING OPERATIONS SHALL BE LIMITED TO 1800 FEET PER MAIN LINE CREW NOT TO EXCEED 3000 FEET IN TOTAL OF DISTURBED ROADWAY FOR THE ENTIRE PROJECT AT ONE TIME WHERE. CONTRACTOR SHALL PATCH PAVE DISTURBED AREA OF ROADWAY PRIOR TO DISTURBING ADDITIONAL ROADWAY.
- 7. AT NO TIME SHALL THE TRENCH BE LEFT UNATTENDED WITH A VERTICAL DROP GREATER THAN 1 INCH FROM ASPHALT SURFACE TO TOP OF BACKFILLED TRENCH.

- 8. IF PAVEMENT SETTLEMENT OCCURS WITHIN WARRANTY PERIOD (SEE PROJECT SPECIFICATIONS), THE CONTRACTOR SHALL REPATCH AT NO ADDITIONAL EXPENSE TO THE OWNER.
- * 9. NCDOT WILL REQUIRE FULL DEPTH ASPHALT PATCH TO MATCH EXISTING ASPHALT THICKNESS ON STATE MAINTAINED ROADS. NCDOT REQUIRES PATCH PAVING SAME DAY AS REMOVAL.
- 10. TEST FOR DENSITY OF COMPACTION MAY BE MADE AT THE OPTION OF THE ENGINEER AND DEFICIENCIES SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE ENGINEER MAY HAVE COMPACTION TEST PERFORMED AFTER THE BACKFILL IS COMPLETE. CONTRACTOR SHALL BE REQUIRED TO EXCAVATE TO VARIOUS ELEVATIONS FOR DENSITY TESTING EXCAVATION, BACKFILL AND RECOMPACTION SHALL BE PERFORMED AT NO ADDITIONAL COSTS TO THE OWNER.
- * -- NOTES 5 & 9 APPLY TO PERMANENT PAVEMENT PATCHES ONLY.

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NOTES FOR TYPICAL PERMANENT AND TEMPORARY SAWCUT AND PAVEMENT PATCH PAGE 3 OF 3

Not to Scale Review Date: JULY 2024



ALIGNMENT

LANGDON STREET

DS-15887

WATER RESOURCES ENGINEERING APPROVED FOR CONSTRUCTION Date: 02/28/2025