

SITE DEVELOPMENT PLANS FOR:

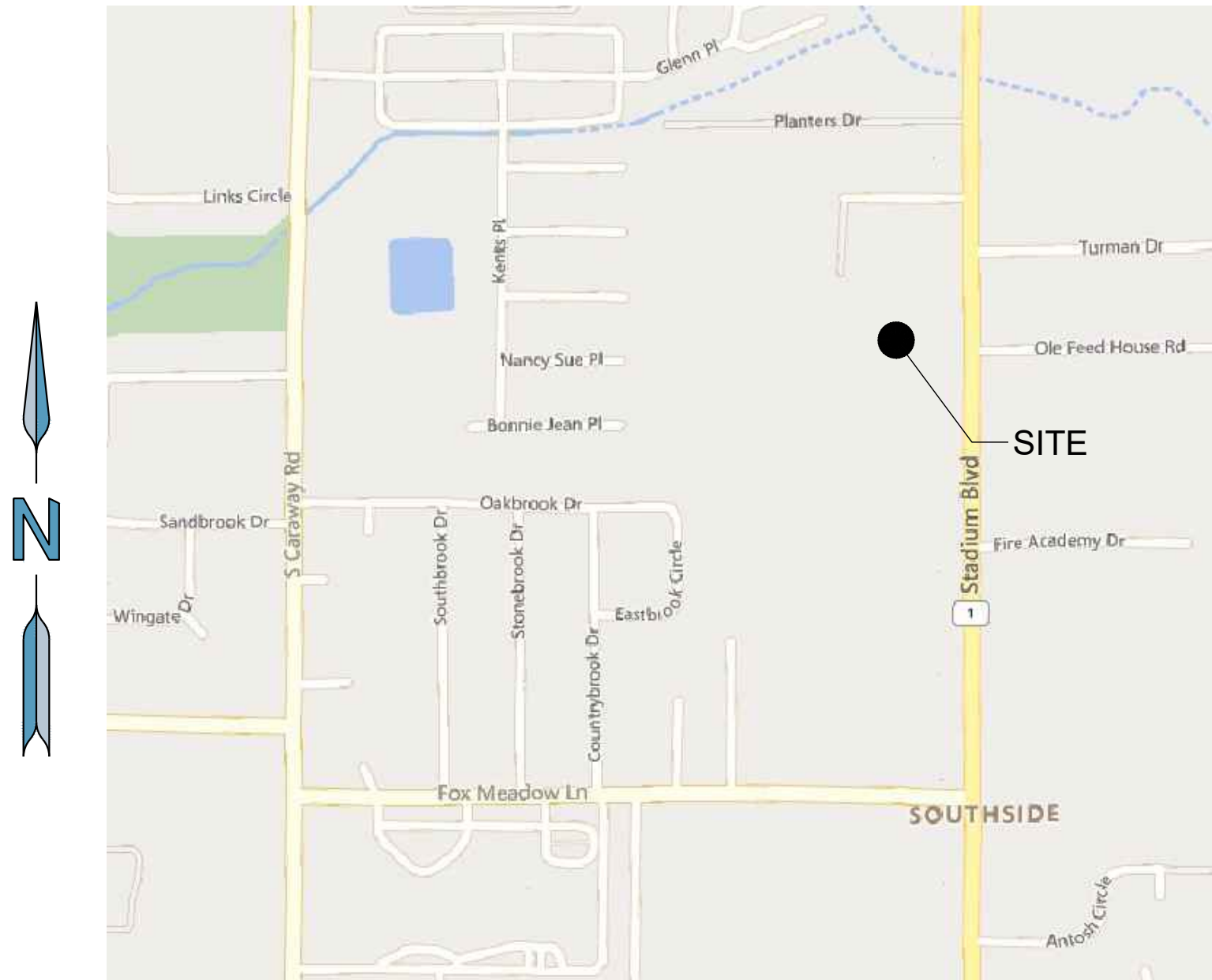
CALIBER COLLISION®

RESTORING THE RHYTHM OF YOUR LIFE®

3921 S STADIUM BLVD
JONESBORO, CRAIGHEAD CO, AR 72404
SECTION 33, TOWNSHIP 14 N, RANGE 4 E, ZONED: C-3

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VICINITY MAP
NOT TO SCALE

SITE DISTURBED AREA = 2.62 AC.

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PROJECT:

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3921 S STADIUM BLVD
JONESBORO, CRAIGHEAD CO, AR 72404
SECTION 33, TOWNSHIP 14 N, RANGE 4 E

SEAL:

PRELIMINARY
NOT FOR CONSTRUCTION

REVISIONS	DATE
CITY OF JONESBORO SUBDIVISION	2024-01-17
PROJECT MANAGER:	DLS
DRAWING BY:	CAH
JURISDICTION:	CITY OF JONESBORO, AR
DATE:	2024-01-17
SCALE:	AS SHOWN
TITLE:	

COVER

SHEET NUMBER:

G-1

COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1641.022

PREPARED BY:

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ISSUED:
JANUARY 17, 2024
1641.022

GENERAL NOTES

- A. DESIGN DATA PROVIDED IN ELECTRONIC FORMAT IS FOR INFORMATION PURPOSES ONLY AND SHOULD BE USED AT YOUR OWN RISK, AND IS PROVIDED WITHOUT REPRESENTATIONS AND WARRANTIES. ANY CONFLICT BETWEEN THE INFORMATION REFLECTED ON THE LATEST REVISION OF THE SEALED PLAN SHEETS AND THAT PROVIDED VIA ELECTRONIC FORMAT SHALL BE RESOLVED IN FAVOR OF THE SEALED PLAN SHEETS.
- B. UTILITIES: THERE MAY BE ADDITIONAL EXISTING UTILITIES NOT SHOWN ON THESE PLANS. EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER ONLY AND THE ENGINEER ASSUMES NO RESPONSIBILITY FOR LOCATIONS SHOWN. FIELD VERIFY THE LOCATION OF ALL EXISTING UTILITIES WITHIN THE LIMITS OF CONSTRUCTION. NOTIFY THE OWNER AND ENGINEER IF DISCREPANCIES ARE FOUND THAT WILL AFFECT THE CONSTRUCTION PROJECT. PROTECT ALL EXISTING UTILITIES.
- C. TEMPORARY PROVISIONS: SEQUENCE THE WORK AND PROVIDE TEMPORARY MEASURES AS NEEDED TO MAINTAIN ACCESS TO THE SITE THROUGH ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION. TEMPORARY PROVISIONS MAY INCLUDE, BUT ARE NOT LIMITED TO: BARRICADES, FLASHING LIGHTS, FLAGMAN, TEMPORARY PAVEMENT, AND DIRECTIONAL SIGNAGE.
- D. EQUIPMENT STORAGE: DO NOT PARK EQUIPMENT OR STORE MATERIALS IN STATE, COUNTY, OR CITY RIGHT-OF-WAY.
- E. NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS IN THE FIELD AND THE SURVEY SHOWN ON THE PLANS BEFORE PROCEEDING WITH ANY NEW CONSTRUCTION.
- F. OBTAIN ALL REQUIRED CONSTRUCTION RELATED PERMITS, INCLUDING DEMOLITION PERMIT, BEFORE STARTING WORK. RETAIN COPIES OF ALL PERMITS AT THE PROJECT SITE AT ALL TIMES.
- G. APPROVAL OF THESE PLANS DOES NOT CONSTITUTE APPROVAL OF ANY LAND DISTURBING ACTIVITIES WITHIN WETLAND AREAS. CONTACT THE APPROPRIATE REGULATORY AGENCY FOR APPROVAL OF ANY WETLAND AREA DISTURBANCE.
- H. SIGNS (LOCATION, NUMBER, AND SIZE) ARE NOT APPROVED UNDER THE GENERAL DEVELOPMENT PERMIT. A SEPARATE PERMIT IS REQUIRED FOR ON-SITE SIGNAGE.
- I. NO CERTIFICATE OF OCCUPANCY WILL BE ISSUED UNTIL ALL SITE IMPROVEMENTS HAVE BEEN COMPLETED ON THE SITE.
- J. COMPLY WITH ALL APPLICABLE STATE, FEDERAL, AND LOCAL BUILDING AND UTILITY INSTALLATION CODES. ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS UNLESS DEPARTMENT OF TRANSPORTATION STANDARDS OR LOCAL MUNICIPAL STANDARDS ARE MORE STRINGENT.
- K. DO NOT DEVIATE FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER OF RECORD.
- L. WORK WITHIN D.O.T. RIGHT-OF-WAY.
1. ALL PAVEMENT MARKINGS WITHIN D.O.T. RIGHT-OF-WAY SHALL BE THERMOPLASTIC AND IN ACCORDANCE WITH D.O.T. SPECIFICATIONS.
2. RE-ESTABLISH ALL RIGHT-OF-WAY AREA, WHICH IS DAMAGED OR DISTURBED, TO ORIGINAL CONDITION OR BETTER.
3. ALL WORK IN D.O.T. RIGHT-OF-WAY SHALL COMPLY WITH D.O.T. SPECIFICATIONS.
- M. ARRANGE HIGH INTENSITY LIGHTING TO CONCEAL THE SOURCE OF LIGHT FROM PUBLIC VIEW AND PREVENT INTERFERENCE WITH TRAFFIC.
- N. ENSURE CORRECT HORIZONTAL AND VERTICAL ALIGNMENT OF ALL TIES BETWEEN PROPOSED AND EXISTING PAVEMENTS, CURB AND GUTTER, SIDEWALKS, WALLS, AND UTILITIES BEFORE BEGINNING WORK. NOTIFY ENGINEER IF DISCREPANCIES EXIST.

TRAFFIC CONTROL

- A. IF DRAWINGS DO NOT INDICATE SITE SPECIFIC TRAFFIC CONTROL MEASURES, CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A TEMPORARY TRAFFIC CONTROL PLAN IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
- B. ALL TEMPORARY TRAFFIC CONTROL SIGNAGE AND MARKINGS SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND MAINTAINED DURING CONSTRUCTION IN ACCORDANCE WITH THE MUTCD, LATEST EDITION.
- C. CONTRACT PROPERTY OWNERS TO BE AFFECTED BY CONSTRUCTION AND COORDINATE TEMPORARY DRIVEWAY CLOSURES AND SEQUENCING, MAINTAIN ACCESS FOR ALL PROPERTY OWNERS DURING CONSTRUCTION.
- D. CONTROL DUST AS NECESSARY TO PREVENT INTERFERENCE WITH TRAFFIC.
- E. INSPECT TRAFFIC CONTROL DEVICES ON A DAILY BASIS TO ENSURE PLACEMENT OF BARRICADES AND FUNCTION OF LIGHTS IS MAINTAINED THROUGHOUT CONSTRUCTION.
- F. COORDINATE ALL LANE CLOSURES WITH THE LOCAL JURISDICTION HAVING AUTHORITY.

STRUCTURE & SITE DEMOLITION

- A. VERIFY THAT UTILITIES HAVE BEEN DISCONNECTED AND CAPPED BEFORE STARTING DEMOLITION OPERATIONS.
- B. VERIFY THAT HAZARDOUS MATERIALS HAVE BEEN REMEDIATED BEFORE PROCEEDING WITH BUILDING DEMOLITION OPERATIONS.
- C. ENVIRONMENTAL & GEOTECHNICAL: REVIEW ALL PROJECT ENVIRONMENTAL AND GEOTECHNICAL REPORTS AN BECOME FAMILIAR WITH ALL ISSUES BEFORE DEMOLITION.
- D. EXISTING UTILITIES: LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF INDICATED UTILITIES SERVING BUILDINGS AND STRUCTURES TO BE DEMOLISHED.
1. ARRANGE TO SHUT OFF INDICATED UTILITIES WITH UTILITY COMPANIES.
2. IF REMOVAL, RELOCATION, OR ABANDONMENT OF UTILITY SERVICES WILL AFFECT ADJACENT OCCUPIED BUILDINGS, THEN PROVIDE TEMPORARY UTILITIES THAT BYPASS BUILDINGS AND STRUCTURES TO BE DEMOLISHED AND THAT MAINTAIN CONTINUITY OF SERVICE TO OTHER BUILDINGS AND STRUCTURES.
3. DO NOT COMMENCE DEMOLITION OPERATIONS UNTIL TEMPORARY EROSION AND SEDIMENT CONTROL AND PLANT-PROTECTION MEASURES ARE IN PLACE.
4. OBTAIN THE DEMOLITION PERMIT FROM THE LOCAL AUTHORITY PRIOR TO STARTING DEMOLITION ACTIVITIES.
5. EXISTING FACILITIES: PROTECT ADJACENT WALKWAYS, LOADING DOCKS, BUILDING ENTRIES, AND OTHER BUILDING FACILITIES DURING DEMOLITION OPERATIONS. MAINTAIN EXITS FROM EXISTING BUILDINGS. PROMPTLY REPAIR ANY FACILITIES DAMAGED BY CONSTRUCTION OPERATIONS TO OWNERS SATISFACTION AT NO ADDITIONAL COST TO THE OWNER.
6. EXISTING UTILITIES: MAINTAIN UTILITY SERVICES TO REMAIN AND PROTECT FROM DAMAGE DURING DEMOLITION OPERATIONS.
7. TEMPORARY PROTECTION: ERECT TEMPORARY PROTECTION, SUCH AS WALKS, FENCES, RAILINGS, CANOPIES, AND COVERED PASSAGEWAYS, WHERE REQUIRED BY AUTHORITIES HAVING JURISDICTION AND AS INDICATED.
8. REMOVE TEMPORARY BARRIERS AND PROTECTIONS WHERE HAZARDS NO LONGER EXIST WHERE OPEN EXCAVATIONS OR OTHER HAZARDOUS CONDITIONS REMAIN. LEAVE TEMPORARY BARRIERS AND PROTECTIONS IN PLACE.
9. REMOVE DEMOLITION WASTE MATERIALS FROM PROJECT SITE AND LEGALLY DISPOSE OF THEM IN AN EPA-APPROVED LANDFILL ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
10. DO NOT BURN DEMOLISHED MATERIALS UNLESS SPECIAL WRITTEN PERMISSION IS OBTAINED FROM OWNER AND ENGINEER.
11. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY BUILDING DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE BUILDING DEMOLITION OPERATIONS BEGAN.

SITE CLEARING

- 1.) PROJECT CONDITIONS
- A. TRAFFIC: MINIMIZE INTERFERENCE WITH ADJOINING ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES DURING SITE-CLEARING OPERATIONS.
- B. ENVIRONMENTAL & GEOTECHNICAL: REVIEW ALL PROJECT ENVIRONMENTAL AND GEOTECHNICAL REPORTS AND BECOME FAMILIAR WITH ALL ISSUES BEFORE SITE CLEARING.
- C. UTILITY LOCATOR SERVICE: NOTIFY UTILITY LOCATOR SERVICE FOR AREA WHERE PROJECT IS LOCATED BEFORE SITE CLEARING.
- D. DO NOT COMMENCE SITE CLEARING OPERATIONS UNTIL TEMPORARY EROSION- AND SEDIMENTATION-CONTROL AND PLANT-PROTECTION MEASURES ARE IN PLACE.
- 2.) TEMPORARY EROSION AND SEDIMENTATION CONTROL
- A. PROVIDE TEMPORARY EROSION- AND SEDIMENTATION-CONTROL MEASURES TO PREVENT SOIL EROSION AND DISCHARGE OF SOIL-BEARING WATER RUNOFF OR AIRBORNE DUST TO ADJACENT PROPERTIES AND WALKWAYS, ACCORDING TO EROSION- AND SEDIMENTATION-CONTROL DRAWINGS AND REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
- B. VERIFY THAT FLOWS OF WATER REDIRECTED FROM CONSTRUCTION AREAS OR GENERATED BY CONSTRUCTION ACTIVITY DO NOT ENTER OR CROSS PROTECTION ZONES.
- C. INSPECT, MAINTAIN, AND REPAIR EROSION- AND SEDIMENTATION-CONTROL MEASURES DURING CONSTRUCTION UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED.
- D. REMOVE EROSION AND SEDIMENTATION CONTROLS WHEN SITE IS STABILIZED AND RESTORE AND STABILIZE AREAS DISTURBED DURING REMOVAL.
- 3.) TREE AND PLANT PROTECTION
- A. REPAIR OR REPLACE TREES, SHRUBS, AND OTHER VEGETATION INDICATED TO REMAIN OR BE RELOCATED THAT ARE DAMAGED BY CONSTRUCTION OPERATIONS, IN A MANNER APPROVED BY ENGINEER.
- 4.) EXISTING UTILITIES
- A. LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP UTILITIES INDICATED TO BE REMOVED OR ABANDONED IN PLACE. ARRANGE WITH UTILITY COMPANIES TO SHUT OFF INDICATED UTILITIES.
- B. INTERRUPTING EXISTING UTILITIES: DO NOT INTERRUPT UTILITIES SERVING FACILITIES OCCUPIED BY OWNER OR OTHERS UNLESS PERMITTED UNDER THE FOLLOWING CONDITIONS AND THEN ONLY AFTER ARRANGING TO PROVIDE TEMPORARY UTILITY SERVICES ACCORDING TO REQUIREMENTS INDICATED:
1. NOTIFY UTILITY OWNER NOT LESS THAN TWO DAYS IN ADVANCE OF PROPOSED UTILITY INTERRUPTIONS.
2. DO NOT PROCEED WITH UTILITY INTERRUPTIONS WITHOUT UTILITY OWNER'S WRITTEN PERMISSION.
- C. POT HOLE EXISTING WATER LINES, UNDERGROUND ELECTRICAL LINES, GAS LINES, UNDERGROUND TELEPHONE LINES, FIBER OPTIC, AND ANY OTHER EXISTING UTILITY LINES WITHIN THE PROJECT LIMITS DURING SITE CLEARING AND DEMOLITION ACTIVITIES. SURVEY THE EXISTING UTILITY ELEVATIONS AND PROVIDE THE SURVEYED FIELD LOCATIONS AND DEPTHS TO THE ENGINEER FOR REVIEW. THESE EXISTING UTILITIES MAY REQUIRE RELOCATION.
- 5.) CLEARING AND GRUBBING
- A. REMOVE OBSTRUCTIONS, CONCRETE, ASPHALT, TREES, SHRUBS, AND OTHER VEGETATION TO PERMIT INSTALLATION OF NEW CONSTRUCTION.
1. DO NOT REMOVE TREES, SHRUBS, AND OTHER VEGETATION INDICATED TO REMAIN OR TO BE RELOCATED.
2. GRIND DOWN STUMPS AND REMOVE ROOTS, OBSTRUCTIONS, AND DEBRIS TO A DEPTH OF 12 INCHES BELOW EXPOSED SUBGRADE.
3. USE ONLY HAND METHODS FOR GRUBBING WITHIN PROTECTION ZONES.
4. THE SUBGRADE TO REMAIN SHALL BE COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY FOLLOWING FOLLOWING CLEARING AND GRUBBING ACTIVITIES.
- 6.) TOPSOIL STRIPPING
- A. REMOVE SOD AND GRASS BEFORE STRIPPING TOPSOIL.
- B. STRIP TOPSOIL IN A MANNER TO PREVENT INTERMINGLING WITH UNDERLYING SUBSOIL OR OTHER WASTE MATERIALS.
- C. STOCKPILE TOPSOIL AWAY FROM EDGE OF EXCAVATIONS WITHOUT INTERMIXING WITH SUBSOIL GRADE AND SHAPE STOCKPILES TO DRAIN SURFACE WATER. COVER TO PREVENT WINDBLOWN DUST AND EROSION BY WATER.
- D. DISPOSE OF SURPLUS TOPSOIL. SURPLUS TOPSOIL IS THAT WHICH EXCEEDS QUANTITY INDICATED TO BE STOCKPILED OR REUSED.

SITE WATER DISTRIBUTION

- 1.) GENERAL
- A. REGULATORY REQUIREMENTS:
1. COMPLY WITH REQUIREMENTS OF UTILITY COMPANY SUPPLYING WATER. INCLUDE TAPPING OF WATER MAINS AND PROTECTION OF EXISTING WATER SERVICES.
2. COMPLY WITH STANDARDS OF AUTHORITIES HAVING JURISDICTION FOR POTABLE-WATER-SERVICE PIPING, INCLUDING MATERIALS, INSTALLATION, TESTING, AND DISINFECTION.
- B. PIPING MATERIALS SHALL BEAR LABEL, STAMP, OR OTHER MARKINGS OF SPECIFIED TESTING AGENCY.
- C. INTERRUPTION OF EXISTING WATER-DISTRIBUTION SERVICE: NOTIFY OWNER AT LEAST 2 DAYS PRIOR TO INTERRUPTION OF EXISTING WATER SERVICES.
- D. COORDINATE WITH UTILITY COMPANY FOR REQUIRED INSPECTIONS AND FOR CONNECTION OF WATER MAINS AND SERVICES BEFORE STARTING CONSTRUCTION.
- 2.) COPPER TUBE AND FITTINGS
- A. SOFT COPPER TUBE: ASTM B 88, TYPE K, WATER TUBE, ANNEALED TEMPER.
- B. COPPER, PRESSURE-SEAL FITTINGS:
1. NPS 2 AND SMALLER: WROUGHT-COPPER FITTING WITH EPDM O-RING SEAL IN EACH END.
2. NPS 2-1/2 TO NPS 4: BRONZE FITTING WITH STAINLESS-STEEL GRIP RING AND EPDM O-RING SEAL IN EACH END.
- C. BRONZE FLANGES: ASME B16.24, CLASS 150, WITH SOLDER-JOINT END. FURNISH CLASS 300 FLANGES IF REQUIRED TO MATCH PIPING.
- D. COPPER UNIONS: MSS SP-123, CAST-COPPER-ALLOY, HEXAGONAL-STOCK BODY WITH BALL-AND-SOCKET, METAL-TO-METAL SEATING SURFACES, AND SOLDER-JOINT OR THREADED ENDS.
- 3.) DUCTILE-IRON PIPE AND FITTINGS
- A. MECHANICAL-JOINT, DUCTILE-IRON PIPE: AWWA C151, WITH MECHANICAL-JOINT BELL AND PLAIN SPIGOT END UNLESS GROOVED OR FLANGED ENDS ARE INDICATED.
1. MECHANICAL-JOINT, DUCTILE-IRON FITTINGS: AWWA C110, DUCTILE- OR GRAY-IRON STANDARD PATTERN OR AWWA C153, DUCTILE-IRON COMPACT PATTERN.
2. GLANDS, GASKETS, AND BOLTS: AWWA C111, DUCTILE- OR GRAY-IRON GLANDS, RUBBER GASKETS, AND STEEL BOLTS.
- B. PUSH-ON JOINT, DUCTILE-IRON PIPE: AWWA C151, WITH PUSH-ON-JOINT BELL AND PLAIN SPIGOT END UNLESS GROOVED OR FLANGED ENDS ARE INDICATED.
- C. FLANGES: ASME 16.1, CLASS 125, CAST IRON.
- 4.) PVC PIPE AND FITTINGS
- A. PVC, SCHEDULE 40 PIPE: ASTM D 1785, PVC, SCHEDULE 40 SOCKET FITTINGS: ASTM D 2466.
- B. PVC, AWWA PIPE: ASTM C900, CLASS 200, WITH BELL END WITH GASKET AND WITH SPIGOT END.
- C. MECHANICAL-JOINT, DUCTILE-IRON FITTINGS: AWWA C110, DUCTILE- OR GRAY-IRON STANDARD PATTERN OR AWWA C153, DUCTILE-IRON COMPACT PATTERN.
- 5.) GATE VALVES
- A. AWWA, CAST-IRON GATE VALVES: NONRISING-STEM, RESILIENT-SEALED GATE VALVES; GRAY- OR DUCTILE-IRON BODY AND BONNET; WITH BRONZE OR GRAY- OR DUCTILE-IRON GATE, RESILIENT SEATS, BRONZE STEM, AND STEM NUT.
1. STANDARD: AWWA C508.
2. MINIMUM PRESSURE RATING: 250 PSIG.
3. END CONNECTIONS: MECHANICAL JOINT.
4. INTERIOR COATINGS: AWWA C550.
- 6.) GATE VALVE ACCESSORIES AND SPECIALTIES
- A. TAPPING-SLEEVE ASSEMBLIES: SLEEVE AND VALVE COMPATIBLE WITH DRILLING MACHINE.
1. STANDARD: MSS SP-40.
2. DENSITY: MINIMUM 150 LB/FT³ OR DUCTILE-IRON OR STAINLESS-STEEL, TWO-PIECE BOLTED SLEEVE WITH FLANGED OUTLET FOR NEW BRANCH CONNECTION. INCLUDE SLEEVE MATCHING SIZE AND TYPE OF PIPE MATERIAL BEING TAPPED AND WITH RECESSED FLANGE FOR BRANCH VALVE.
3. VALVE: AWWA, CAST-IRON, NONRISING-STEM, RESILIENT-SEALED GATE VALVE WITH ONE RAISED FACE FLANGE AND MOVING TAPPING-SLEEVE FLANGE.
- B. VALVE BOXES: COMPLY WITH AWWA M44 FOR CAST-IRON VALVE BOXES. INCLUDE TOP SECTION, ADJUSTABLE EXTENSION OF LENGTH REQUIRED FOR DEPTH OF BURIAL OF VALVE, PLUG WITH LETTERING "WATER", AND BOTTOM SECTION WITH BASE THAT FITS OVER VALVE AND WITH A BARREL APPROXIMATELY 5 INCHES IN DIAMETER.
- 7.) BACKFLOW PREVENTERS
- A. DOUBLE-CHECK DETECTOR-ASSEMBLY BACKFLOW PREVENTERS:
1. STANDARDS: ASSE 1049 AND UL LISTED OR FMG APPROVED.
2. OPERATION: CONTINUOUS-PRESSURE APPLICATIONS.
3. PRESSURE LOSS: 5 PSIG MAXIMUM, THROUGH MIDDLE 1/3 OF FLOW RANGE.
4. BODY: CAST IRON WITH INTERIOR LINING COMPLYING WITH AWWA C550 OR THAT IS FDA APPROVED.
5. END CONNECTIONS: FLANGED.
6. CONFIGURATION: DESIGNED FOR HORIZONTAL, STRAIGHT THROUGH FLOW.
- B.) WATER METER BOXES
- A. DESCRIPTION: CAST-IRON BODY AND COVER FOR DISC-TYPE WATER METER, WITH LETTERING "WATER METER" IN COVER; AND WITH SLOTTED, OPEN-BOTTOM BASE SECTION OF LENGTH TO FIT OVER SERVICE PIPING.
- 9.) CONCRETE VAULTS
- A. DESCRIPTION: PRECAST, REINFORCED-CONCRETE VAULT, DESIGNED FOR A-16 LOAD DESIGNATION ACCORDING TO ASTM C 867 AND MADE ACCORDING TO ASTM C 858.
1. LAIDERS: ASTM A 36/A 36M, STEEL OR POLYETHYLENE-ENCASED STEEL STEPS.
2. MANHOLE: ASTM A 48/A 48M CLASS NO. 35A MINIMUM TENSILE STRENGTH, GRAY-IRON TRAFFIC FRAME AND COVER.
3. DIMENSIONS: 24-INCH MINIMUM DIAMETER, UNLESS OTHERWISE INDICATED.
4. DRAIN: ASME A 12.6.3, CAST-IRON FLOOR DRAIN WITH OUTLET OF SIZE INDICATED. INCLUDE BODY ANCHOR FLANGE, LIGHT-DUTY CAST-IRON GRATE, BOTTOM OUTLET, AND INTEGRAL OR FIELD-INSTALLED BRONZE BALL OR CLAPPER-TYPE BACKWATER VALVE.
- 10.) FIRE HYDRANTS
- A. DRY-BARREL FIRE HYDRANTS: FREESTANDING, WITH ONE NPS 4-1/2 AND TWO NPS 2-1/2 OUTLETS, 5-1/4-INCH MAIN VALVE, DRAIN VALVE, AND NPS 6 MECHANICAL-JOINT INLET. INCLUDE INTERIOR COATING ACCORDING TO AWWA C550. HYDRANT SHALL HAVE CAST-IRON BODY.
- B. COMPRESSION-TYPE VALVE OPENING AGAINST PRESSURE AND CLOSING WITH PRESSURE.
1. STANDARD: AWWA C502.
2. PRESSURE RATING: 250 PSIG.
- 11.) FIRE DEPARTMENT CONNECTIONS
- A. FIRE DEPARTMENT CONNECTIONS: FREESTANDING, WITH CAST-BRONZE BODY, THREAD INLETS ACCORDING TO NFPA 1963 AND MATCHING LOCAL FIRE DEPARTMENT HOSE THREADS, AND THREADED BOTTOM OUTLET, INCLUDE LUGGED CAPS, GASKETS, AND CHAINS; LUGGED SWIVEL CONNECTION AND DROP CLAPPER FOR EACH HOSE-CONNECTION INLET; 18-INCH-HIGH BRASS SLEEVE; AND ROUND ESCUTCHEON PLATE.
- 12.) VALVE APPLICATIONS
- A. DRAWINGS INDICATE VALVE TYPES TO BE USED, WHERE SPECIFIC VALVE TYPES ARE NOT INDICATED, THE FOLLOWING REQUIREMENTS APPLY:
1. UNDERGROUND VALVES, NPS 3 AND LARGER: AWWA, CAST-IRON, NONRISING-STEM, RESILIENT-SEALED GATE VALVES WITH VALVE BOX.
2. USE THE FOLLOWING FOR VALVES IN VAULTS AND ABOVEGROUND:
- a. GATE VALVES, NPS 2 AND SMALLER: BRONZE, NONRISING STEM.
- b. GATE VALVES, NPS 3 AND LARGER: AWWA, CAST IRON, OS&Y RISING STEM, RESILIENT SEATED.
- c. CHECK VALVES: AWWA C508, SWING TYPE.
- 13.) FIELD QUALITY CONTROL
- A. PIPING TESTS: CONDUCT PIPING TESTS BEFORE JOINTS ARE COVERED AND AFTER CONCRETE THRUST BLOCKS HAVE HARDENED SUFFICIENTLY. FILL PIPELINE 24 HOURS BEFORE TESTING AND APPLY TEST PRESSURE TO STABILIZE SYSTEM. USE ONLY POTABLE WATER.
- B. HYDROSTATIC TESTS: TEST AT NOT LESS THAN ONE-AND-ONE-HALF TIMES WORKING PRESSURE FOR TWO HOURS, INCREASE PRESSURE IN 50-PSIG INCREMENTS AND INSPECT EACH JOINT BETWEEN INCREMENTS. HOLD AT TEST PRESSURE FOR 1 HOUR; DECREASE TO 0 PSIG, SLOWLY INCREASE AGAIN TO TEST PRESSURE AND HOLD FOR 1 MORE HOUR. MAXIMUM ALLOWABLE LEAKAGE IS 2 QUARTS PER HOUR PER 100 JOINTS. REMAKE LEAKING JOINTS WITH NEW MATERIALS AND REPEAT TEST UNTIL LEAKAGE IS WITHIN ALLOWED LIMITS.
- C. DISINFECTION: CLEAN AND DISINFECT POTABLE WATER MAINS AS DIRECTED BY THE LOCAL AUTHORITY, OR, IF METHOD IS NOT PRESCRIBED BY THE LOCAL AUTHORITY, USE PROCEDURE DESCRIBED IN AWWA C851.
- D. PREPARE REPORTS OF TESTING ACTIVITIES AND SUBMIT TO THE ENGINEER FOR APPROVAL.
- 14.) IDENTIFICATION
- A. INSTALL CONTINUOUS UNDERGROUND DETECTABLE WARNING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND WATER-DISTRIBUTION PIPING. LOCATE BELOW FINISHED GRADE, DIRECTLY OVER PIPING.

SITE SANITARY SEWERS

- 1.) PROJECT CONDITIONS
- A. INTERRUPTION OF EXISTING SANITARY SEWERAGE SERVICE: COORDINATE AS REQUIRED WITH THE LOCAL SANITARY SEWER AUTHORITY BEFORE STARTING CONSTRUCTION.
- B. UTILITY LOCATOR SERVICE: NOTIFY UTILITY LOCATOR SERVICE FOR AREA WHERE PROJECT IS LOCATED BEFORE BEGINNING SANITARY SEWER INSTALLATION OPERATIONS. FIELD VERIFY ALL EXISTING UTILITIES SHOWN ON THE DRAWINGS BY POT-HOLING THE LINES, SURVEY EXISTING UTILITIES AND PROVIDE HORIZONTAL AND VERTICAL LOCATION INFORMATION TO THE ENGINEER TO DETERMINE OF ANY UTILITIES WILL CONFLICT WITH THE PROPOSED DESIGN.
- 2.) DUCTILE-IRON, GRAVITY SEWER PIPE AND FITTINGS
- A. PIPE: ASTM A 746, FOR PUSH-ON JOINTS.
- B. JOINT FITTINGS: AWWA C153, DUCTILE-IRON, FOR PUSH-ON JOINTS.
- C. GASKETS: AWWA C111, RUBBER.
- 3.) PVC PIPE AND FITTINGS
- A. PVC GRAVITY SEWER PIPING: ASTM F 678, T-1 WALL THICKNESS, PVC GRAVITY SEWER PIPE WITH BELL-AND-SPIGOT ENDS AND WITH INTEGRAL ASTM F 477, ELASTOMERIC SEALS FOR GASKETED JOINTS.
- 4.) CLEANOUTS
- A. CAST-IRON CLEANOUTS:
1. DESCRIPTION: ASME A112-36.2M, ROUND, GRAY-IRON HOUSING WITH CLAMPING DEVICE AND ROUND, SECURED, SCORRIATED, GRAY-IRON COVER. INCLUDE GRAY-IRON FERRULE WITH INSIDE CALK OR SPIGOT CONNECTION AND COUNTERSUNK, TAPERED-THREAD, BRASS CLOSURE PLUG.
2. TOP-LOADING CLASSIFICATION: TRAFFIC RATED, HEAVY DUTY, IN ALL PAVED AREAS AND AREAS SUBJECT TO VEHICULAR TRAFFIC.
3. SEWER PIPE FITTING AND RISER TO CLEANOUT: ASTM A 74, SERVICE CLASS, CAST-IRON SOIL PIPE AND FITTINGS.
- B. PVC CLEANOUTS: PVC BODY WITH PVC THREADED PLUG. INCLUDE PVC SEWER PIPE FITTING AND RISER TO CLEANOUT OF SAME MATERIAL AS SEWER PIPING. USE IN LIGHT DUTY APPLICATIONS WHERE THERE IS PEDESTRIAN TRAFFIC ONLY OR IN LANDSCAPED AREAS.
- 5.) MANHOLES
- A. STANDARD PRECAST CONCRETE MANHOLES:
1. DESCRIPTION: ASTM C 478, PRECAST, REINFORCED CONCRETE, OF DEPTH INDICATED, WITH RESILIENT PIPE CONNECTORS: AWWA C 923, CAST OR FITTED INTO MANHOLE WALLS, FOR EACH PIPE CONNECTION.
2. DIAMETER: 48 INCHES MINIMUM UNLESS OTHERWISE INDICATED.
3. BALLAST: INCREASE THICKNESS OF PRECAST CONCRETE SECTIONS OR ADD CONCRETE TO BASE SECTION, AS REQUIRED TO PREVENT FLOTATION.
4. BASE SECTION: 6-INCH MINIMUM THICKNESS FOR FLOOR SLAB AND 4-INCH MINIMUM THICKNESS FOR WALLS AND BASE RISER SECTION; WITH SEPARATE BASE SLAB OR BASE SECTION WITH INTEGRAL FLOOR.
5. RISER SECTIONS: 4-INCH MINIMUM THICKNESS, OF LENGTH TO PROVIDE DEPTH INDICATED.
6. TOP SECTION: ECCENTRIC-CONE TYPE UNLESS CONCENTRIC-CONE OR FLAT-SLAB-TOP TYPE IS INDICATED; WITH TOP OF CONE OF SIZE THAT MATCHES GRADE RINGS.
7. JOINT SEALANT: ASTM C 990, BITUMEN OR BUTYL RUBBER.
8. MANHOLE WALLS AND COVER: AWWA C 923, CAST OR FITTED INTO MANHOLE WALLS, FOR EACH PIPE CONNECTION.
9. STEPS: INDIVIDUAL FRP STEPS OR FRP LADDER, WIDE ENOUGH TO ALLOW WORKER TO PLACE BOTH FEET ON ONE STEP AND DESIGNED TO PREVENT LATERAL SLIPPAGE OFF STEP. CAST OR ANCHOR STEPS INTO SIDEWALLS AT 12- TO 16-INCH INTERVALS. OMIT STEPS IF TOTAL DEPTH FROM FLOOR OF MANHOLE TO FINISHED GRADE IS LESS THAN 48 INCHES.
10. ADJUSTING RINGS: INTERLOCKING HOPE RINGS, WITH LEVEL OR SLOPED EDGE IN THICKNESS AND DIAMETER MATCHING MANHOLE FRAME AND COVER, AND WITH HEIGHT AS REQUIRED TO ADJUST MANHOLE FRAME AND COVER TO INDICATED ELEVATION AND SLOPE. INCLUDE SEALANT RECOMMENDED BY RING MANUFACTURER.
11. GRADE RINGS: REINFORCED-CONCRETE RINGS, 6- TO 9-INCH TOTAL THICKNESS, WITH DIAMETER MATCHING MANHOLE FRAME AND COVER, AND WITH HEIGHT AS REQUIRED TO ADJUST MANHOLE FRAME AND COVER TO INDICATED ELEVATION AND SLOPE.
- B. MANHOLE FRAMES AND COVERS:
1. DESCRIPTION: FERROUS, 24-INCH ID BY 7- TO 9-INCH RISER, WITH 4-INCH, MINIMUM-WIDTH FLANGE AND 26-INCH, DIAMETER COVER. INCLUDE INDENTED TOP DESIGN WITH LETTERING "CAST INTO COVER, USING WORDING EQUIVALENT TO "SANITARY SEWER."
2. MATERIAL: ASTM A 536, GRADE 60-40-18 DUCTILE IRON UNLESS OTHERWISE INDICATED.
3. RISER SECTIONS: 4-INCH MINIMUM THICKNESS, 48-INCH DIAMETER, AND LENGTHS TO PROVIDE DEPTH INDICATED.
4. TOP SECTION: ECCENTRIC-CONE TYPE UNLESS CONCENTRIC-CONE OR FLAT-SLAB-TOP TYPE IS INDICATED. TOP OF CONE OF SIZE THAT MATCHES GRADE RINGS.
5. JOINT SEALANT: ASTM C 990, BITUMEN OR BUTYL RUBBER.
6. STEPS: INDIVIDUAL FRP STEPS OR FRP LADDER, WIDE ENOUGH TO ALLOW WORKER TO PLACE BOTH FEET ON ONE STEP AND DESIGNED TO PREVENT LATERAL SLIPPAGE OFF STEP. CAST OR ANCHOR STEPS INTO SIDEWALLS AT 12- TO 16-INCH INTERVALS. OMIT STEPS IF TOTAL DEPTH FROM FLOOR OF CATCH BASIN TO FINISHED GRADE IS LESS THAN 48 INCHES.
7. PIPE CONNECTORS: ASTM C 923, RESILIENT, OF SIZE REQUIRED, FOR EACH PIPE CONNECTING TO BASE SECTION.
- 8.) STORMWATER DETENTION STRUCTURES
- A. CAST-IN-PLACE CONCRETE, STORMWATER DETENTION STRUCTURES: CONSTRUCTED OF REINFORCED-CONCRETE BOTTOM, WALLS, AND TOP; DESIGNED ACCORDING TO ASTM C 990 FOR A-16 (ASHTO H50-4), HEAVY-TRAFFIC, STRUCTURAL LOADING; OF DEPTH, SHAPE, DIMENSIONS, AND APPURTENANCES INDICATED.
1. BALLAST: INCREASE THICKNESS OF CONCRETE AS REQUIRED TO PREVENT FLOTATION.
2. GRADE RINGS: INCLUDE TWO OR THREE REINFORCED-CONCRETE RINGS, OF 6- TO 9-INCH TOTAL THICKNESS, THAT MATCH 24-INCH, DIAMETER FRAME AND COVER.
3. STEPS: INDIVIDUAL FRP STEPS OR FRP LADDER, WIDE ENOUGH TO ALLOW WORKER TO PLACE BOTH FEET ON ONE STEP AND DESIGNED TO PREVENT LATERAL SLIPPAGE OFF STEP. CAST OR ANCHOR STEPS INTO SIDEWALLS AT 12- TO 16-INCH INTERVALS. OMIT STEPS IF TOTAL DEPTH FROM FLOOR OF STRUCTURE TO FINISHED GRADE IS LESS THAN 48 INCHES.
4. FORM AND CAST WIERS AND PIPE OPENINGS AS INDICATED ON DRAWINGS.
- B. MANHOLE FRAMES AND COVERS: ASTM A 536, GRADE 60-40-18, DUCTILE-IRON CASTINGS DESIGNED FOR HEAVY-DUTY SERVICE.
- 9.) PIPE OUTLETS
- A. PRE-CAST HEAD WALLS: PRE-CAST REINFORCED CONCRETE, WITH APRON AND TAPERED SIDES.
- B. SLOPE PAVED HEAD WALLS: CAST-IN-PLACE REINFORCED CONCRETE AS SHOWN ON DRAWINGS.
- C. RIPRAP BASINS: BROKEN, IRREGULARLY SIZED AND SHAPED, GRADED STONE ACCORDING TO NSSGA'S "QUARRIED STONE FOR EROSION AND SEDIMENT CONTROL," MINIMUM STONE SIZE AND DIMENSIONS AS SHOWN ON DRAWINGS.
- 10.) PIPING INSTALLATION
- A. INSTALL LOCATOR WIRE OR TAPE 6-INCHES ABOVE ALL NON-METALLIC PIPING.
- B. INSTALL BEDDING AND BACKFILL IN ACCORDANCE WITH PIPE MANUFACTURERS INSTRUCTIONS.
- C. BEGIN INSTALLATION AT DOWNSTREAM PIPING CONNECTION TO OUTFALL POINT.
- D. CONSTRUCT ALL HEADWALLS FLUSH WITH EXISTING AND PROPOSED EMBANKMENT SLOPES.
- 11.) CLEANING
- A. CLEAN INTERIOR OF PIPING OF DIRT AND SUPERFLUOUS MATERIALS.

SITE STORM UTILITY DRAINAGE PIPING

- 1.) PIPE AND FITTINGS- GENERAL
- A. ALL STORMWATER PIPE, INLETS, HEADWALLS, AND RELATED APPURTENANCES SHALL MEET LOCAL D.O.T. STANDARDS.
- B. ALL STORMWATER PIPE SHALL BE INSTALLED IN ACCORDANCE WITH PIPE MANUFACTURERS INSTRUCTIONS.
- 2.) STEEL PIPE AND FITTINGS
- A. GALVANIZED STEEL PIPE AND FITTINGS: ASTM A 760/A 760M, TYPE I WITH FITTINGS OF SIMILAR FORM AND CONSTRUCTION AS PIPE.
1. STANDARD-JOINT BANDS: CORRUGATED STEEL.
2. COATING: ALUMINUM OR BITUMINOUS
- 3.) PE PIPE AND FITTINGS
- A. CORRUGATED PE DRAINAGE PIPE AND FITTINGS NPS 3 TO NPS 10: AASHTO M 252M; NPS 12 TO NPS 48: AASHTO M 264M TYPE S, WITH SMOOTH WATERWAY FOR COUPLING JOINTS.
- B. SLTIGHT COUPLINGS: PE SLEEVE WITH ASTM D 1056, TYPE 2, CLASS A, GRADE 2 GASKET MATERIAL THAT MATES WITH TUBE AND FITTINGS.
- 4.) PVC CORRUGATED PIPE AND FITTINGS
- A. CORRUGATED PVC DRAINAGE PIPE AND FITTINGS NPS 4 TO NPS 36: SMOOTH INTERIOR, ASTM F949, 46 PSI STIFFNESS WHEN TESTED IN ACCORDANCE WITH ASTM D2412. PVC COMPOUND HAVING A MINIMUM CELL CLASSIFICATION OF 12454 AS DEFINED IN ASTM D1784. FITTINGS: SMOOTH INTERIOR, ASTM F949, SECTION 5.2.3 OR F794, SECTION 7.2.4. JOINTS SHALL BE MADE WITH INTEGRALLY-FORMED BELL AND SPIGOT GASKETED CONNECTIONS. MANUFACTURER SHALL PROVIDE DOCUMENTATION SHOWING NO LEAKAGE WHEN GASKETED PIPE JOINTS ARE TESTED IN ACCORDANCE WITH ASTM D3212. ELASTOMERIC SEALS (GASKETS) SHALL MEET ASTM F477.
- 5.) CONCRETE PIPE AND FITTINGS
- A. STANDARD PRECAST CONCRETE SEWER PIPE AND FITTINGS: ASTM C 76, BELL-AND-SPIGOT OR TONGUE-AND-GROOVE ENDS AND GASKETED JOINTS WITH ASTM C 443, RUBBER GASKETS OR SEALANT JOINTS WITH ASTM C 990, BITUMEN OR BUTYL-RUBBER SEALANT. CLASS III, WALL B.
- B. CAST-IRON AREA DRAINS: ASME A112.6.3 GRAY-IRON ROUND BODY WITH ANCHOR FLANGE AND ROUND GRATE. INCLUDE BOTTOM OUTLET WITH INSIDE CALK OR SPIGOT CONNECTION, OF SIZES INDICATED.
- 6.) MANHOLES
- A. STANDARD PRECAST CONCRETE MANHOLES:
1. DESCRIPTION: ASTM C 478, PRECAST, REINFORCED CONCRETE, OF DEPTH INDICATED, WITH PROVISION FOR SEALANT JOINTS.
2. DIAMETER: 48 INCHES MINIMUM UNLESS OTHERWISE INDICATED.
3. BALLAST: INCREASE THICKNESS OF PRECAST CONCRETE SECTIONS OR ADD CONCRETE TO BASE SECTION AS REQUIRED TO PREVENT FLOTATION.
4. BASE SECTION: 6-INCH MINIMUM THICKNESS FOR FLOOR SLAB AND 4-INCH MINIMUM THICKNESS FOR WALLS AND BASE RISER SECTION, AND SEPARATE BASE SLAB OR BASE SECTION WITH INTEGRAL FLOOR.
5. RISER SECTIONS: 4-INCH MINIMUM THICKNESS, AND LENGTHS TO PROVIDE DEPTH INDICATED.
6. TOP SECTION: ECCENTRIC-CONE TYPE UNLESS CONCENTRIC-CONE OR FLAT-SLAB-TOP TYPE IS INDICATED, AND TOP OF CONE OF SIZE THAT MATCHES GRADE RINGS.
7. JOINT SEALANT: ASTM C 990, BITUMEN OR BUTYL RUBBER.
8. STEPS: INDIVIDUAL FRP STEPS OR FRP LADDER, WIDE ENOUGH TO ALLOW WORKER TO PLACE BOTH FEET ON ONE STEP AND DESIGNED TO PREVENT LATERAL SLIPPAGE OFF STEP. CAST OR ANCHOR STEPS INTO SIDEWALLS AT 12- TO 16-INCH INTERVALS. OMIT STEPS IF TOTAL DEPTH FROM FLOOR OF MANHOLE TO FINISHED GRADE IS LESS THAN 48 INCHES.
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1. DESCRIPTION: FERROUS, 24-INCH ID BY 7- TO 9-INCH RISER WITH 4-INCH, MINIMUM WIDTH FLANGE AND 26-INCH, DIAMETER COVER. INCLUDE INDENTED TOP DESIGN WITH LETTERING "CAST INTO COVER, USING WORDING EQUIVALENT TO "STORM SEWER."
2. MATERIAL: ASTM A 536, GRADE 60-40-18 DUCTILE IRON UNLESS OTHERWISE INDICATED.
3. RISER SECTIONS: 4-INCH MINIMUM THICKNESS, 48-INCH DIAMETER, AND LENGTHS TO PROVIDE DEPTH INDICATED.
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7. PIPE CONNECTORS: ASTM C 923, RESILIENT, OF SIZE REQUIRED, FOR EACH PIPE CONNECTING TO BASE SECTION.
- 8.) STORMWATER DETENTION STRUCTURES
- A. CAST-IN-PLACE CONCRETE, STORMWATER DETENTION STRUCTURES: CONSTRUCTED OF REINFORCED-CONCRETE BOTTOM, WALLS, AND TOP; DESIGNED ACCORDING TO ASTM C 990 FOR A-16 (ASHTO H50-4), HEAVY-TRAFFIC, STRUCTURAL LOADING; OF DEPTH, SHAPE, DIMENSIONS, AND APPURTENANCES INDICATED.
1. BALLAST: INCREASE THICKNESS OF CONCRETE AS REQUIRED TO PREVENT FLOTATION.
2. GRADE RINGS: INCLUDE TWO OR THREE REINFORCED-CONCRETE RINGS, OF 6- TO 9-INCH TOTAL THICKNESS, THAT MATCH 24-INCH, DIAMETER FRAME AND COVER.
3. STEPS: INDIVIDUAL FRP STEPS OR FRP LADDER, WIDE ENOUGH TO ALLOW WORKER TO PLACE BOTH FEET ON ONE STEP AND DESIGNED TO PREVENT LATERAL SLIPPAGE OFF STEP. CAST OR ANCHOR STEPS INTO SIDEWALLS AT 12- TO 16-INCH INTERVALS. OMIT STEPS IF TOTAL DEPTH FROM FLOOR OF STRUCTURE TO FINISHED GRADE IS LESS THAN 48 INCHES.
4. FORM AND CAST WIERS AND PIPE OPENINGS AS INDICATED ON DRAWINGS.
- B. MANHOLE FRAMES AND COVERS: ASTM A 536, GRADE 60-40-18, DUCTILE-IRON CASTINGS DESIGNED FOR HEAVY-DUTY SERVICE.
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- 10.) PIPING INSTALLATION
- A. INSTALL LOCATOR WIRE OR TAPE 6-INCHES ABOVE ALL NON-METALLIC PIPING.
- B. INSTALL BEDDING AND BACKFILL IN ACCORDANCE WITH PIPE MANUFACTURERS INSTRUCTIONS.
- C. BEGIN INSTALLATION AT DOWNSTREAM PIPING CONNECTION TO OUTFALL POINT.
- D. CONSTRUCT ALL HEADWALLS FLUSH WITH EXISTING AND PROPOSED EMBANKMENT SLOPES.
- 11.) CLEANING
- A. CLEAN INTERIOR OF PIPING OF DIRT AND SUPERFLUOUS MATERIALS.

ENGINEER:

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CROSS development

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CONTACT: MEAGAN VIEREN

PROJECT:

SEAL:

CALIBER COLLISION

RESTORING THE RHYTHM OF YOUR LIFE

3921 S STADIUM BLVD
JONESBORO, CRAIGHEAD CO, AR 72404
SECTION 33, TOWNSHIP 14 N, RANGE 4 E

PRELIMINARY

NOT FOR CONSTRUCTION

REVISIONS	DATE
CITY OF JONESBORO SUBDIVISION	2024-01-17
PROJECT MANAGER:	DLS
DRAWING BY:	CAH
JURISDICTION:	CITY OF JONESBORO, AR
DATE:	2024-01-17
SCALE:	AS SHOWN
TITLE:	

GENERAL NOTES

SHEET NUMBER:

G-2

COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1641.022

* IF CONFLICTS EXIST BETWEEN THESE NOTES AND NOTES ON PLAN SHEETS, DEFER TO NOTES ON PLAN SHEETS.

* THESE NOTES AND SPECIFICATIONS ONLY APPLY IN THE EVENT THERE ARE NO JURISDICTIONAL SPECIFICATIONS.

EARTH MOVING

- 1.) PROJECT CONDITIONS
- A. UTILITY LOCATOR SERVICE: NOTIFY UTILITY LOCATOR SERVICE FOR AREA WHERE PROJECT IS LOCATED BEFORE BEGINNING EARTH MOVING OPERATIONS.
- B. DO NOT COMMENCE EARTH MOVING OPERATIONS UNTIL TEMPORARY EROSION- AND SEDIMENTATION-CONTROL MEASURES ARE IN PLACE.
- C. DO NOT COMMENCE EARTH MOVING OPERATIONS UNTIL PLANT-PROTECTION MEASURES ARE IN PLACE.
- D. DO NOT COMMENCE EARTH MOVING OPERATIONS WITHOUT REVIEWING AND MAKING PROVISIONS FOR ALL GEOTECHNICAL RECOMMENDATIONS MADE IN THE PROJECT GEOTECHNICAL REPORT. COMPLY WITH RECOMMENDATIONS IN THE GEOTECHNICAL REPORT REGARDING GENERAL SITE PREPARATION, BUILDING PAD PREPARATION, PAVEMENT SECTIONS, FILL, AND EXCAVATION.
- E. RETAIN A COPY OF THE PROJECT GEOTECHNICAL REPORT AT THE WORK SITE AT ALL TIMES. ANY DISCREPANCIES BETWEEN THESE SPECIFICATIONS AND THE PROJECT GEOTECHNICAL REPORT SHALL BE RESOLVED IN FAVOR OF THE PROJECT GEOTECHNICAL REPORT.
- F. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT, AND OTHER HAZARDS CREATED BY EARTH MOVING OPERATIONS.
- G. PROTECT AND MAINTAIN EROSION AND SEDIMENTATION CONTROLS DURING EARTH MOVING OPERATIONS.
- 2.) DEWATERING
- A. PREVENT SURFACE WATER AND GROUND WATER FROM ENTERING EXCAVATIONS, FROM PONDING ON PREPARED SUBGRADES, AND FROM FLOODING PROJECT SITE AND SURROUNDING AREA.
- B. PROTECT SUBGRADES FROM SOFTENING, UNDERMINING, WASHOUT, AND DAMAGE BY RAIN OR WATER ACCUMULATION.
- C. DESIGN AND PROVIDE DEWATERING SYSTEM USING ACCEPTED AND PROFESSIONAL METHODS CONSISTENT WITH CURRENT INDUSTRY PRACTICE. PROVIDE DEWATERING SYSTEM OF SUFFICIENT SIZE AND CAPACITY TO CONTROL GROUNDWATER IN A MANNER THAT PRESERVES STRENGTH OF FOUNDATION SOILS. DOES NOT CAUSE INSTABILITY OR RAVELING OF EXCAVATION SLOPES, AND DOES NOT RESULT IN DAMAGE TO EXISTING STRUCTURES. LOWER WATER LEVEL IN ADVANCE OF EXCAVATION BY UTILIZING WELLS, WELLPOINTS, OR SIMILAR POSITIVE CONTROL METHODS. MAINTAIN THE GROUNDWATER LEVEL TO A MINIMUM OF TWO (2) FEET BELOW EXCAVATIONS. PROVIDE PIEZOMETERS AS DIRECTED BY THE ENGINEER TO DOCUMENT THAT THE GROUNDWATER LEVEL IS BEING MAINTAINED.
- D. BY ACCEPTABLE MEANS, CONTRACTOR SHALL CONTROL ALL WATER REGARDLESS OF SOURCE AND IS RESPONSIBLE FOR PROPER DISPOSAL OF THE WATER. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY SUPPLEMENTAL MEASURES TO CONTROL SEEPAGE, GROUNDWATER, OR ARTESIAN HEAD. OPEN PUMPING WITH Sumps AND DITCHES SHALL BE ALLOWED, PROVIDED IT DOES NOT RESULT IN BOILS, LOSS OF FINES, SOFTENING OF THE GROUND, OR INSTABILITY OF SLOPES. Sumps SHALL BE LOCATED OUTSIDE OF LOAD BEARING AREAS SO THE BEARING SURFACES WILL NOT BE DISTURBED WATER CONTAINING SILT IN SUSPENSION SHALL NOT BE PUMPED INTO SEWER LINES OR ADJACENT WATER BODIES. DURING NORMAL PUMPING AND UPON DEVELOPMENT OF WELL(S), LEVELS OF FINE SAND OR SILT IN THE DISCHARGE OF WATER SHALL NOT EXCEED FIVE (5) PPM.
- F. CONTINUOUSLY MAINTAIN EXCAVATIONS IN A DRY CONDITION WITH POSITIVE DEWATERING METHODS DURING PREPARATION OF SUBGRADE, INSTALLATION OF PIPE, AND CONSTRUCTION OF STRUCTURES UNTIL THE CRITICAL PERIOD OF CONSTRUCTION AND/OR BACKFILL IS COMPLETED TO PREVENT DAMAGE OF SUBGRADE SUPPORT, PIPING, STRUCTURE, SIDE SLOPES, OR ADJACENT FACILITIES FOR FLotation OR OTHER HYDROSTATIC PRESSURE IMBALANCE.
- G. WHEN CONSTRUCTION IS COMPLETED, PROPERLY REMOVE ALL DEWATERING EQUIPMENT FROM THE SITE, INCLUDING WELLS AND RELATED TEMPORARY ELECTRICAL SERVICE.
- 3.) SUBGRADE
- A. NOTIFY PROJECT GEOTECHNICAL ENGINEER WHEN EXCAVATIONS HAVE REACHED REQUIRED SUBGRADE.
- B. IF PROJECT GEOTECHNICAL ENGINEER DETERMINES THAT UNSATISFACTORY SOIL IS PRESENT, CONTINUE EXCAVATION AND REPLACE WITH COMPACTED BACKFILL OR FILL MATERIAL AS DIRECTED.
- C. PROOF-ROLL SUBGRADE BELOW THE BUILDING SLABS AND PAVEMENTS WITH A PNEUMATIC-TIRED AND LOADED 10-WHEEL, TANDEM-AXLE DUMP TRUCK WEIGHING NOT LESS THAN 15 TONS TO IDENTIFY SOFT POCKETS AND AREAS OF EXCESS YIELDING. DO NOT PROOF-ROLL WET OR SATURATED SUBGRADES. EXCAVATE SOFT SPOTS, UNSATISFACTORY SOILS, AND AREAS OF EXCESSIVE PUMPING OR RUTTING, AS DETERMINED BY PROJECT GEOTECHNICAL ENGINEER, AND REPLACE WITH COMPACTED BACKFILL OR FILL AS DIRECTED.
- D. IN HEAVY DUTY PAVEMENT AREAS, THE GRAVEL AGGREGATE BASE SHALL BE EXTENDED UNDER THE CURB AND GUTTER SECTION TO PROVIDE ADDITIONAL STABILITY FOR TRUCK TRAVEL.
- 4.) UTILITY TRENCH BEDDING AND BACKFILL
- A. PLACE AND COMPACT BEDDING COURSE ON TRENCH BOTTOMS AND WHERE INDICATED. SHAPE BEDDING COURSE TO PROVIDE CONTINUOUS SUPPORT FOR BELLS, JOINTS, AND BARRELS OF PIPES AND FOR JOINTS, FITTINGS, AND BODIES OF CONDUITS.
- B. USE CLASS 8 BEDDING UNDER ALL PVC PIPING.
- C. CAREFULLY COMPACT INITIAL BACKFILL UNDER PIPE HAUNCHES AND COMPACT EVENLY UP ON BOTH SIDES AND ALONG THE FULL LENGTH OF PIPING OR CONDUIT TO AVOID DAMAGE OR DISPLACEMENT OF PIPING OR CONDUIT.
- D. BACKFILL ALL UTILITIES UNDER ROADWAYS AND TRAFFIC AREAS WITH CRUSHED STONE.
- 5.) COMPACTION OF SOIL BACKFILLS AND FILLS
- A. PLACE BACKFILL AND FILL SOIL MATERIALS IN LAYERS NOT MORE THAN 8 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN 4 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS.
- B. PLACE BACKFILL AND FILL SOIL MATERIALS EVENLY ON ALL SIDES OF STRUCTURES TO REQUIRED ELEVATIONS, AND UNIFORMLY ALONG THE FULL LENGTH OF EACH STRUCTURE. COMPACT SOIL MATERIALS AS INDICATED ON DRAWINGS OR AS INDICATED IN THE PROJECT GEOTECHNICAL REPORT.
- C. PROVIDE CONSTRUCTION PHASE MONITORING AND TESTING AS RECOMMENDED IN THE PROJECT GEOTECHNICAL REPORT. PROVIDE TEST REPORTS TO THE ENGINEER FOR REVIEW AND APPROVAL.
- 6.) GRADING
- A. GENERAL: UNIFORMLY GRADE AREAS TO A SMOOTH SURFACE, FREE OF IRREGULAR SURFACE CHANGES. COMPLY WITH COMPACTION REQUIREMENTS AND GRADE TO CROSS SECTIONS, LINES, AND ELEVATIONS INDICATED.
1. PROVIDE A SMOOTH TRANSITION BETWEEN ADJACENT EXISTING GRADES AND NEW GRADES.
2. CUT OUT SOFT SPOTS, FILL LOW SPOTS, AND TRIM HIGH SPOTS TO COMPLY WITH REQUIRED SURFACE TOLERANCES.
- B. LANDSCAPE ISLANDS: FILL ALL CURBED ISLANDS TO TOP OF CURB WITH TOPSOIL AND APPLY SEED AND MULCH UNLESS DRAWINGS INDICATE OTHERWISE.
- C. SLOPES: DO NOT CREATE CUT OR FILL SLOPES STEEPER THAN 2H:1V WITHOUT OBTAINING SPECIAL WRITTEN PERMISSION FROM THE ENGINEER OR RECORD AND PROJECT GEOTECHNICAL ENGINEER.
- 7.) PROTECTION
- A. PROTECTING GRADED AREAS: PROTECT NEWLY GRADED AREAS FROM TRAFFIC, FREEZING, AND EROSION. KEEP FREE OF TRASH AND DEBRIS. SEE EROSION AND SEDIMENT CONTROL PLAN AND NOTES FOR FURTHER INFORMATION.

ASPHALT PAVING

- 1.) FIELD CONDITIONS
- A. ENVIRONMENTAL LIMITATIONS: DO NOT APPLY ASPHALT MATERIALS IF SUBGRADE IS WET OR EXCESSIVELY DAMP. IF RAIN IS IMMINENT OR EXPECTED BEFORE TIME REQUIRED FOR ADEQUATE CURE, OR IF THE FOLLOWING CONDITIONS ARE NOT MET:
1. PRIME COAT: MINIMUM SURFACE TEMPERATURE OF 40 DEG F.
2. TACK COAT: MINIMUM SURFACE TEMPERATURE OF 60 DEG F.
3. SLURRY COAT: COMPLY WITH WEATHER LIMITATIONS IN ASTM D 3910.
4. ASPHALT BASE COURSE: MINIMUM SURFACE TEMPERATURE OF 40 DEG F AND RISING AT TIME OF PLACEMENT.
5. ASPHALT SURFACE COURSE: MINIMUM SURFACE TEMPERATURE OF 60 DEG F AT TIME OF PLACEMENT.
- 2.) ASPHALT MATERIALS
- A. REFER TO PROJECT GEOTECHNICAL REPORT AND PROJECT DRAWINGS FOR REQUIRED ASPHALT MATERIAL DESIGN.
- B. AGGREGATES SHALL MEET THE REQUIREMENTS OF THE LOCAL DEPARTMENT OF TRANSPORTATION.
- C. RECLAIMED ASPHALT PAVEMENT (RAP) SHALL NOT BE USED IN THE MIX DESIGN.
- 3.) PATCHING
- A. ASPHALT PAVEMENT: SAW CUT PERIMETER OF PATCH AND EXCAVATE EXISTING PAVEMENT SECTION TO SOUND BASE. EXCAVATE RECTANGULAR OR TRAPEZOIDAL PATCHES, EXTENDING 12 INCHES INTO PERIMETER OF ADJACENT SOUND PAVEMENT, UNLESS OTHERWISE INDICATED. CUT EXCAVATION FACES VERTICALLY. REMOVE EXCAVATED MATERIAL. RECOMPACT EXISTING UNBOUND-AGGREGATE BASE COURSE TO FORM NEW SUBGRADE.
- B. TACK COAT: BEFORE PLACING PATCH MATERIAL, APPLY TACK COAT UNIFORMLY TO VERTICAL ASPHALT SURFACES ABUTTING THE PATCH. APPLY AT A RATE OF 0.05 TO 0.15 GAL./SQ. YD.
1. ALLOW TACK COAT TO CURE UNDISTURBED BEFORE APPLYING HOT-MIX ASPHALT PAVING.
2. AVOID SMEARING OR STAINING ADJOINING SURFACES, APPURTENANCES, AND SURROUNDINGS. REMOVE SPILLAGES AND CLEAN AFFECTED SURFACES.
- C. PLACING PATCH MATERIAL: FILL EXCAVATED PAVEMENT AREAS WITH HOT-MIX ASPHALT BASE MIX AT MINIMUM THICKNESS OF PATCH, WHILE STILL HOT, COMPACT FLUSH WITH ADJACENT SURFACE.
- 4.) SURFACE PREPARATION
- A. GENERAL: IMMEDIATELY BEFORE PLACING ASPHALT MATERIALS, REMOVE LOOSE AND DELETERIOUS MATERIAL FROM SUBSTRATE SURFACES. ENSURE THAT PREPARED SUBGRADE IS READY TO RECEIVE PAVING, SAWCUT EXISTING PAVEMENT TO THE JOINED TO PROVIDE VERTICAL FACES BETWEEN NEW AND EXISTING SURFACES.
- B. EMULSIFIED ASPHALT PRIME COAT: APPLY UNIFORMLY OVER SURFACE OF COMPACTED UNBOUND-AGGREGATE BASE COURSE AT A RATE OF 0.10 TO 0.30 GAL./SQ. YD. PER INCH DEPTH. APPLY ENOUGH MATERIAL TO PENETRATE AND SEAL, BUT NOT FLOOD, SURFACE. ALLOW PRIME COAT TO CURE.
1. IF PRIME COAT IS NOT ENTIRELY ABSORBED WITHIN 24 HOURS AFTER APPLICATION, SPREAD SAND OVER SURFACE TO BLOT EXCESS ASPHALT. USE ENOUGH SAND TO PREVENT PICKUP UNDER TRAFFIC. REMOVE LOOSE SAND BY SWEEPING BEFORE PAVEMENT IS PLACED AND AFTER VOLATILES HAVE EVAPORATED.
2. PROTECT PRIMED SUBSTRATE FROM DAMAGE UNTIL READY TO RECEIVE PAVING.
- C. TACK COAT: APPLY UNIFORMLY TO SURFACES OF EXISTING PAVEMENT AT A RATE OF 0.02 TO 0.08 GAL./SQ. YD.
1. ALLOW TACK COAT TO CURE UNDISTURBED BEFORE APPLYING HOT-MIX ASPHALT PAVING.
2. AVOID SMEARING OR STAINING ADJOINING SURFACES, APPURTENANCES, AND SURROUNDINGS. REMOVE SPILLAGES AND CLEAN AFFECTED SURFACES.
- 5.) PLACING HOT-MIX ASPHALT
- A. MACHINE PLACE HOT-MIX ASPHALT ON PREPARED SURFACE, SPREAD UNIFORMLY, AND STRIKE OFF. PLACE ASPHALT MIX BY HAND IN AREAS INACCESSIBLE TO EQUIPMENT IN A MANNER THAT PREVENTS SEGREGATION OF MIX. PLACE EACH COURSE TO REQUIRED GRADE, CROSS SECTION, AND THICKNESS WHEN COMPACTED.
1. PLACE HOT-MIX ASPHALT BASE COURSE IN NUMBER OF LIFTS AND THICKNESSES INDICATED.
2. PLACE HOT-MIX ASPHALT SURFACE COURSE IN SINGLE LIFT.
3. SPREAD MIX AT A MINIMUM TEMPERATURE OF 250 DEG F.
4. BEGIN APPLYING MIX ALONG CENTERLINE OF CROWN FOR CROWNED SECTIONS AND ON HIGH SIDE OF ONE-WAY SLOPES UNLESS OTHERWISE INDICATED.
5. REGULATE PAVER MACHINE SPEED TO OBTAIN SMOOTH, CONTINUOUS SURFACE FREE OF PULLS AND TEARS IN ASPHALT-PAVING MAT.
- B. PLACE PAVING IN CONSECUTIVE STRIPS NOT LESS THAN 10 FEET WIDE UNLESS INFILL EDGE STRIPS OF A LESSER WIDTH ARE REQUIRED.
- 6.) JOINTS
- A. CONSTRUCT JOINTS TO ENSURE A CONTINUOUS BOND BETWEEN ADJOINING PAVING SECTIONS. CONSTRUCT JOINTS FREE OF DEPRESSIONS, WITH SAME TEXTURE AND SMOOTHNESS AS OTHER SECTIONS OF HOT-MIX ASPHALT COURSE.
- B. CONSTRUCT SMOOTH TRANSITIONS BETWEEN NEW AND EXISTING PAVING SECTIONS.
- 7.) COMPACTION
- A. GENERAL: BEGIN COMPACTION AS SOON AS PLACED HOT-MIX PAVING WILL BEAR ROLLER WEIGHT WITHOUT EXCESSIVE DISPLACEMENT. COMPACT HOT-MIX PAVING WITH HOT, HAND TAMPERS OR WITH VIBRATORY-PLATE COMPACTORS IN AREAS INACCESSIBLE TO ROLLERS. COMPLETE COMPACTION BEFORE MIX TEMPERATURE COOLS TO 165 DEG F.
1. INITIAL LIFT: AVERAGE OF 92% OF MAXIMUM THEORETICAL DENSITY.
2. TOP SURFACE LIFT: AVERAGE OF 93% OF MAXIMUM THEORETICAL DENSITY.
3. TOLERANCE: +2.0%, -1.0% OF ANY INDIVIDUAL TEST.
- B. FINISH ROLLING: FINISH ROLL PAVED SURFACES TO REMOVE ROLLER MARKS WHILE HOT-MIX ASPHALT IS STILL WARM.
- C. ERECT BARRIAGES TO PROTECT PAVING FROM TRAFFIC FOR AT LEAST 24 HOURS AFTER PLACEMENT FOR THE BINDER COURSE, AND AT LEAST 72 HOURS AFTER PLACEMENT FOR THE FINAL WEARING SURFACE.
- D. IF THE AMBIENT AIR TEMPERATURE IS IN EXCESS OF 90 DEGREES FAHRENHEIT DURING THE 72 HOUR PROTECTION PERIOD, THE PAVEMENT SURFACE SHALL BE FLOODED WITH WATER TO RAPIDLY COOL THE PAVEMENT AT LEAST ONCE PER DAY.
- 8.) FIELD QUALITY CONTROL
- A. TESTING AGENCY: ENGAGE A QUALIFIED TESTING AGENCY TO PERFORM TESTS AND INSPECTIONS.
- B. CONDUCT TESTS AND REPORTS SPECIFIED IN THE PROJECT GEOTECHNICAL REPORT.
- C. TESTING AGENCY MUST INSPECT AND APPROVE THE SUBGRADE, EACH FILL LAYER, AND THE SUBBASE AND BASE COURSE.
- D. PROMPTLY SEND TEST REPORTS TO THE ENGINEER FOR REVIEW AND APPROVAL.
- E. REMOVE AND REPLACE OR INSTALL ADDITIONAL HOT-MIX ASPHALT WHERE TEST RESULTS OR MEASUREMENTS INDICATE THAT IT DOES NOT COMPLY WITH SPECIFIED REQUIREMENTS.

CONCRETE PAVING

- 1.) PROJECT CONDITIONS
- A. TRAFFIC CONTROL: MAINTAIN ACCESS FOR VEHICULAR AND PEDESTRIAN TRAFFIC AS REQUIRED FOR OTHER CONSTRUCTION ACTIVITIES.
- 2.) STEEL REINFORCEMENT
- A. PLAIN STEEL, WELDED WIRE REINFORCEMENT: ASTM A 185/A 185M, FABRICATED FROM AS-DRAWN STEEL WIRE INTO FLAT SHEETS.
- B. REINFORCING BARS: ASTM A 615/A 615M, GRADE 60, DEFORMED.
- C. JOINT DOWEL BARS: ASTM A 615/A 615M, GRADE 60 PLAIN-STEEL BARS. CUT BARS TRUE TO LENGTH WITH ENDS SQUARE AND FREE OF BURRS.
- D. BAR SUPPORTS: BOLSTERS, CHAIRS, SPACERS, AND OTHER DEVICES FOR SPACING, SUPPORTING, AND FASTENING REINFORCING BARS, WELDED WIRE REINFORCEMENT, AND DOWELS IN PLACE. MANUFACTURE BAR SUPPORTS ACCORDING TO CRSIS' MANUAL OF STANDARD PRACTICE FROM STEEL WIRE, PLASTIC, OR PRECAST CONCRETE OF GREATER COMPRESSIVE STRENGTH THAN CONCRETE SPECIFIED, AND AS FOLLOWS:
- 3.) CONCRETE MATERIALS
- A. CEMENTITIOUS MATERIAL: USE CEMENTITIOUS MATERIALS, OF SAME TYPE, BRAND, AND SOURCE THROUGHOUT PROJECT.
- B. NORMAL-WEIGHT AGGREGATES: ASTM C 33, UNIFORMLY GRADED. PROVIDE AGGREGATES FROM A SINGLE SOURCE.
1. MAXIMUM COARSE-AGGREGATE SIZE: 1 INCH NOMINAL.
2. FINE AGGREGATE: FREE OF MATERIALS WITH DELETERIOUS REACTIVITY TO ALKALI IN CEMENT.
- 4.) RELATED MATERIALS
- A. JOINT FILLERS: ASTM D 1751, ASPHALT-SATURATED CELLULOSIC FIBER IN PREFORMED STRIPS.
- 5.) WHEEL STOPS
- A. WHEEL STOPS: PRECAST, AIR-ENTRAINED CONCRETE, 2500-PSI MINIMUM COMPRESSIVE STRENGTH, PROVIDE CHAMFERED CORNERS AND DRAINAGE SLOTS ON UNDERSIDE OF HOLES FOR ANCHORING TO SUBSTRATE.
- 6.) SIDEWALKS
- A. SIDEWALKS: REMOVE SIDEWALKS AWAY FROM BUILDING WITH A 1.5% CROSS-SLOPE UNLESS DRAWINGS INDICATE OTHERWISE.
- 7.) PREPARATION
- A. REMOVE LOOSE MATERIAL FROM COMPACTED SUBBASE SURFACE IMMEDIATELY BEFORE PLACING CONCRETE.
- 8.) STEEL REINFORCEMENT
- A. GENERAL: COMPLY WITH CRSIS' "MANUAL OF STANDARD PRACTICE" FOR FABRICATING, PLACING, AND SUPPORTING REINFORCEMENT.
- B. CLEAN REINFORCEMENT OF LOOSE RUST AND MILL SCALE, EARTH, ICE, OR OTHER BOND-REDUCING MATERIALS.
- C. ARRANGE, SPACE, AND SECURELY TIE BARS AND BAR SUPPORTS TO HOLD REINFORCEMENT IN POSITION DURING CONCRETE PLACEMENT. MAINTAIN MINIMUM COVER TO REINFORCEMENT.
- D. INSTALL WELDED WIRE REINFORCEMENT IN LENGTHS AS LONG AS PRACTICABLE. LAP ADJOINING PIECES AT LEAST ONE FULL MESH, AND LACE SPLICES WITH WIRE. OFFSET LAPS OF ADJOINING WIDTHS TO PREVENT CONTINUOUS LAPS IN EITHER DIRECTION.
- E. ZINC-COATED REINFORCEMENT: USE GALVANIZED-STEEL WIRE TIES TO FASTEN ZINC-COATED REINFORCEMENT. REPAIR CUT AND DAMAGED ZINC COATINGS WITH ZINC REPAIR MATERIAL.
- 9.) JOINTS
- A. GENERAL: FORM CONSTRUCTION, ISOLATION, AND CONTRACTION JOINTS AND TOOL EDGES TRUE TO LINE, WITH FACES PERPENDICULAR TO SURFACE PLANE OF CONCRETE. CONSTRUCT TRANSVERSE JOINTS AT RIGHT ANGLES TO CENTERLINE UNLESS OTHERWISE INDICATED.
1. WHEN JOINING EXISTING PAVING, PLACE TRANSVERSE JOINTS TO ALIGN WITH PREVIOUSLY PLACED JOINTS UNLESS OTHERWISE INDICATED.
2. ENSURE FORMS PROVIDE CORRECT HORIZONTAL AND VERTICAL ALIGNMENT BETWEEN NEW AND EXISTING PAVEMENTS. SIDEWALKS, CURB AND GUTTER, ETC.
- B. CONSTRUCTION JOINTS: SET CONSTRUCTION JOINTS AT SIDE AND END TERMINATIONS OF PAVING AND AT LOCATIONS WHERE PAVING OPERATIONS ARE STOPPED FOR MORE THAN ONE-HALF HOUR UNLESS PAVING TERMINATES AT ISOLATION JOINTS.
1. CONTINUE STEEL REINFORCEMENT ACROSS CONSTRUCTION JOINTS UNLESS OTHERWISE INDICATED. DO NOT CONTINUE REINFORCEMENT THROUGH SIDES OF PAVING STRIPS UNLESS OTHERWISE INDICATED.
2. PROVIDE TIE BARS AT SIDES OF PAVING STRIPS WHERE INDICATED.
3. KEYED JOINTS: PROVIDE PREFORMED KEYWAY-SECTION FORMS OR BULKHEAD FORMS WITH KEYS UNLESS OTHERWISE INDICATED. EMBED KEYS AT LEAST 1-1/2 INCHES INTO CONCRETE.
4. DOWELED JOINTS: INSTALL DOWEL BARS AND SUPPORT ASSEMBLIES AT JOINTS WHERE INDICATED. LUBRICATE OR COAT WITH ASPHALT ONE-HALF OF DOWEL LENGTH TO PREVENT CONCRETE BONDING TO ONE SIDE OF JOINT.
- C. ISOLATION JOINTS: FORM ISOLATION JOINTS OF PREFORMED JOINT-FILLER STRIPS ABUTTING CONCRETE CURBS, CATCH BASINS, MANHOLES, INLETS, STRUCTURES, OTHER FIXED OBJECTS, AND WHERE INDICATED.
1. LOCATE EXPANSION JOINTS AT INTERVALS OF 30 FEET UNLESS OTHERWISE INDICATED.
2. EXTEND JOINT FILLERS FULL WIDTH AND DEPTH OF JOINT.
3. TERMINATE JOINT FILLER NOT LESS THAN 1/2 INCH OR MORE THAN 1 INCH BELOW FINISHED SURFACE IF JOINT SEALANT IS INDICATED.
4. PLACE TOP OF JOINT FILLER FLUSH WITH FINISHED CONCRETE SURFACE IF JOINT SEALANT IS NOT INDICATED.
5. FURNISH JOINT FILLERS IN ONE-PIECE LENGTHS, WHERE MORE THAN ONE LENGTH IS REQUIRED. LAGE OR CLIP JOINT-FILLER SECTIONS TOGETHER.
6. DURING CONCRETE PLACEMENT, PROTECT TOP EDGE OF JOINT FILLER WITH METAL, PLASTIC, OR OTHER TEMPORARY PREFORMED CAP. REMOVE PROTECTIVE CAP AFTER CONCRETE HAS BEEN PLACED ON BOTH SIDES OF JOINT.
- D. CONTRACTION JOINTS: FORM WEAKENED-PLANE CONTRACTION JOINTS, SECTIONING CONCRETE INTO AREAS AS INDICATED. CONSTRUCT CONTRACTION JOINTS FOR A DEPTH EQUAL TO AT LEAST ONE-FOURTH OF THE CONCRETE THICKNESS, AS FOLLOWS:
1. GROOVED JOINTS: FORM CONTRACTION JOINTS AFTER INITIAL FLOATING BY GROOVING AND FINISHING EACH EDGE OF JOINT WITH GROOVING TOOL TO A 1/4-INCH RADIUS. REPEAT GROOVING OF CONTRACTION JOINTS AFTER APPLYING SURFACE FINISHES. ELIMINATE GROOVING-TOOL MARKS ON CONCRETE SURFACES.
2. SAWED JOINTS: FORM CONTRACTION JOINTS WITH POWER SAWS EQUIPPED WITH SHATTERPROOF ABRASIVE OR DIAMOND-RIMMED BLADES. CUT 1/8-INCH-WIDE JOINTS INTO CONCRETE WHEN CUTTING ACTION WILL NOT TEAR, ABRADE, OR OTHERWISE DAMAGE SURFACE AND BEFORE DEVELOPING RANDOM CONTRACTION CRACKS.
3. DOWELED CONTRACTION JOINTS: INSTALL DOWEL BARS AND SUPPORT ASSEMBLIES AT JOINTS WHERE INDICATED. LUBRICATE OR COAT WITH ASPHALT ONE-HALF OF DOWEL LENGTH TO PREVENT CONCRETE BONDING TO ONE SIDE OF JOINT.

- E. EDGING: AFTER INITIAL FLOATING, TOOL EDGES OF PAVING, GUTTERS, CURBS, AND JOINTS IN CONCRETE WITH AN EDGING TOOL TO A 1/4-INCH RADIUS. REPEAT TOOLING OF EDGES AFTER APPLYING SURFACE FINISHES. ELIMINATE EDGING-TOOL MARKS ON CONCRETE SURFACES.
- 10.) FIELD QUALITY CONTROL
- A. TESTING AGENCY: ENGAGE A QUALIFIED TESTING AGENCY TO PERFORM TESTS AND INSPECTIONS.
- B. PROMPTLY SEND TEST REPORTS TO THE ENGINEER FOR REVIEW AND APPROVAL.
- C. TESTING SERVICES: TESTING OF COMPOSITE SAMPLES OF FRESH CONCRETE OBTAINED ACCORDING TO ASTM C 172 SHALL BE PERFORMED BY THE GENERAL CONTRACTOR'S TESTING AGENCY ACCORDING TO THE FOLLOWING REQUIREMENTS:
1. TESTING FREQUENCY: OBTAIN AT LEAST ONE COMPOSITE SAMPLE FOR EACH 100 CU. YD. OR FRACTION THEREOF OF EACH CONCRETE MIXTURE PLACED EACH DAY, WHEN FREQUENCY OF TESTING WILL PROVIDE FEWER THAN FIVE COMPRESSIVE-STRENGTH TESTS FOR EACH CONCRETE MIXTURE. TESTING SHALL BE CONDUCTED FROM AT LEAST FIVE RANDOMLY SELECTED BATCHES OR FROM EACH BATCH IF FEWER THAN FIVE ARE USED.
2. SLUMP: ASTM C 143/C 143M, ONE TEST AT POINT OF PLACEMENT FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE. PERFORM ADDITIONAL TESTS WHEN CONCRETE CONSISTENCY APPEARS TO CHANGE.
3. AIR CONTENT: ASTM C 231, PRESSURE METHOD; ONE TEST FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE.
4. CONCRETE TEMPERATURE: ASTM C 1064/C 1064M, ONE TEST HOURLY WHEN AIR TEMPERATURE IS 40 DEG F AND BELOW AND WHEN IT IS 80 DEG F AND ABOVE, AND ONE TEST FOR EACH COMPOSITE SAMPLE.
5. COMPRESSION TEST SPECIMENS: ASTM C 31/C 31M; CAST AND LABORATORY CURE ONE SET OF THREE STANDARD CYLINDER SPECIMENS FOR EACH COMPOSITE SAMPLE.
6. COMPRESSIVE-STRENGTH TESTS: ASTM C 39/C 39M; TEST ONE SPECIMEN AT SEVEN DAYS AND TWO SPECIMENS AT 28 DAYS. A COMPRESSIVE-STRENGTH TEST SHALL BE THE AVERAGE COMPRESSIVE STRENGTH FROM TWO SPECIMENS OBTAINED FROM SAME COMPOSITE SAMPLE AND TESTED AT 28 DAYS.
- D. STRENGTH OF EACH CONCRETE MIXTURE WILL BE SATISFACTORY IF AVERAGE OF ANY THREE CONSECUTIVE COMPRESSIVE-STRENGTH TESTS EQUALS OR EXCEEDS SPECIFIED COMPRESSIVE STRENGTH AND NO COMPRESSIVE-STRENGTH TEST VALUE FALLS BELOW SPECIFIED COMPRESSIVE STRENGTH BY MORE THAN 500 PSI.
- E. TEST RESULTS SHALL BE REPORTED IN WRITING TO ENGINEER, CONCRETE MANUFACTURER, AND CONTRACTOR WITHIN 48 HOURS OF TESTING. REPORTS OF COMPRESSIVE-STRENGTH TESTS SHALL CONTAIN PROJECT IDENTIFICATION NAME AND NUMBER, DATE OF CONCRETE PLACEMENT, NAME OF CONCRETE TESTING AND INSPECTING AGENCY, LOCATION OF CONCRETE BATCH IN WORK, DESIGN COMPRESSIVE STRENGTH AT 28 DAYS, CONCRETE MIXTURE PROPORTIONS AND MATERIALS, OUTER EDGE OF SURFACE KNUCKLE OR TWIST, COMPLY WITH CLFM PRODUCT MANUAL AND WITH REQUIREMENTS INDICATED BELOW:
1. FABRIC HEIGHT: AS INDICATED ON DRAWINGS.
2. STEEL WIRE FABRIC: WIRE WITH A DIAMETER OF 0.148 INCH.
- a. MESH SIZE: 2 INCHES.
- b. POLYMER-COATED FABRIC: ASTM F 668, OVER ZINC-COATED STEEL WIRE. COLOR: BLACK.
- c. COMPLYING WITH ASTM F 834.
3. SURVIVAGE: TWISTED TOP AND KNUCKLED BOTTOM.
- 4.) FENCE FRAMING
- A. POSTS AND RAILS: COMPLY WITH ASTM F 1043 FOR FRAMING, INCLUDING RAILS, BRACES, AND LINE; TERMINAL, AND CORNER POSTS. PROVIDE MEMBERS WITH MINIMUM DIMENSIONS AND WALL THICKNESS ACCORDING TO ASTM F 1043 BASED ON THE FOLLOWING:
1. FENCE HEIGHT: AS INDICATED ON DRAWINGS.
2. MATERIAL
- a. LINE POST: 1.9 INCHES IN DIAMETER.
- b. END, CORNER AND PULL POST: 2.375 INCHES.
3. HORIZONTAL FRAMEWORK MEMBERS: TOP RAILS COMPLYING WITH ASTM F 1043, TOP RAIL: 1.66 INCHES IN DIAMETER.
4. BRACE RAILS: COMPLY WITH ASTM F 1043.
5. METALLIC COATING FOR STEEL FRAMING: TYPE A, CONSISTING OF NOT LESS THAN MINIMUM 2.0-OZ./SQ. FT. AVERAGE ZINC COATING PER ASTM A 123/A 123M OR 4.0-OZ./SQ. FT. ZINC COATING PER ASTM A 653/A 653M.
- 5.) TENSION WIRE
- A. METALLIC-COATED STEEL WIRE: 0.177-INCH- DIAMETER, MARCELLED TENSION WIRE COMPLYING WITH ASTM A B17 AND ASTM A 824, WITH THE FOLLOWING METALLIC COATING: TYPE II, ZINC COATED GALVANIZED BY HOT-DIP PROCESS, WITH THE FOLLOWING MINIMUM COATING WEIGHT: MATCHING CHAIN-LINK FABRIC COATING WEIGHT.
- 6.) SWING GATES
- A. GENERAL: COMPLY WITH ASTM F 900 FOR GATE POSTS AND SINGLE OR DOUBLE SWING GATE TYPES.
1. GATE LEAF WIDTH: AS INDICATED.
2. GATE FABRIC HEIGHT: AS INDICATED.
- B. PIPE AND TUBING
1. ZINC-COATED STEEL: COMPLY WITH ASTM F 1043 AND ASTM F 1083; PROTECTIVE COATING AND FINISH TO MATCH FENCE FRAMING.
2. GATE POSTS: ROUND TUBULAR STEEL.
3. GATE FRAMES AND BRACING: ROUND TUBULAR STEEL.
- C. FRAME CORNER CONSTRUCTION: ASSEMBLED WITH CORNER FITTINGS.
- D. HARDWARE
1. HINGES: 360-DEGREE INWARD AND OUTWARD SWING.
2. LATCHES PERMITTING OPERATION FROM BOTH SIDES OF GATE WITH PROVISION FOR PADLOCKING ACCESSIBLE FROM BOTH SIDES OF GATE.
- 7.) FITTINGS
- A. GENERAL: COMPLY WITH ASTM F 626.
- B. POST CAPS: PROVIDE FOR EACH POST. PROVIDE LINE POST CAPS WITH LOOP TO RECEIVE TENSION WIRE OR TOP RAIL.
- C. RAIL AND BRACE ENDS: FOR EACH GATE, CORNER, PULL, AND END POST.
- D. RAIL FITTINGS: PROVIDE THE FOLLOWING:
1. TOP RAIL SLEEVES: PRESSED-STEEL OR ROUND-STEEL TUBING NOT LESS THAN 6 INCHES LONG.
2. RAIL CLAMPS: LINE AND CORNER BOULEVARD CLAMPS FOR CONNECTING RAILS IN THE FENCE LINE-TO-LINE POSTS.
- E. TENSION AND BRACE BANDS: PRESSED STEEL.
- F. TENSION BARS: STEEL, LENGTH NOT LESS THAN 2 INCHES SHORTER THAN FULL HEIGHT OF CHAIN-LINK FABRIC. PROVIDE ONE BAR FOR EACH GATE AND END POST, AND TWO FOR EACH CORNER AND PULL POST, UNLESS FABRIC IS INTEGRALLY WOVEN INTO POST.
- G. TRUSS ROD ASSEMBLIES: STEEL, HOT-DIP GALVANIZED AFTER THREADING ROD AND TURNBUCKLE OR OTHER MEANS OF ADJUSTMENT.
- H. TIE WIRES, CLIPS, AND FASTENERS: ACCORDING TO ASTM F 626. STANDARD ROUND WIRE TIES: FOR ATTACHING CHAIN-LINK FABRIC TO POSTS, RAILS, AND FRAMES, COMPLYING WITH THE FOLLOWING: HOT-DIP GALVANIZED STEEL, 0.148-INCH- DIAMETER WIRE, GALVANIZED COATING THICKNESS MATCHING COATING THICKNESS OF CHAIN-LINK FENCE FABRIC.
- 8.) GROUT AND ANCHORING CEMENT
- A. NONSHRINK, NONMETALLIC GROUT: PREMIXED, FACTORY-PACKAGED, NONSTAINING, NONCORROSIVE, NONAGGESSIVE GROUT COMPLYING WITH ASTM C 1107. PROVIDE GROUT, RECOMMENDED IN WRITING BY MANUFACTURER, FOR EXTERIOR APPLICATIONS.
- B. EROSION-RESISTANT ANCHORING CEMENT: FACTORY-PACKAGED, NONSHRINK, NONSTAINING, HYDRAULIC-CONTROLLED EXPANSION CEMENT FORMULATION FOR MIXING WITH POTABLE WATER AT PROJECT SITE TO CREATE POURABLE ANCHORING, PATCHING, AND GROUTING COMPOUND. PROVIDE FORMULATION THAT IS RESISTANT TO EROSION FROM WATER EXPOSURE WITHOUT NEEDING PROTECTION BY A SEALER OR WATERPROOF COATING AND THAT IS RECOMMENDED IN WRITING BY MANUFACTURER, FOR EXTERIOR APPLICATIONS.
- 9.) ADJUSTING
- A. GATES: ADJUST GATES TO OPERATE SMOOTHLY, EASILY, AND QUIETLY, FREE OF BINDING, WARP, EXCESSIVE DEFLECTION, DISTORTION, NONALIGNMENT, MISPLACEMENT, DISRUPTION, OR MALFUNCTION, THROUGHOUT ENTIRE OPERATIONAL RANGE. CONFIRM THAT LATCHES AND LOCKS ENGAGE ACCURATELY AND SECURELY WITHOUT FORCING OR BINDING.

PAVEMENT MARKINGS

- 1.) QUALITY ASSURANCE
- A. REGULATORY REQUIREMENTS: COMPLY WITH MATERIALS, WORKMANSHIP, AND OTHER APPLICABLE REQUIREMENTS OF STATE DOT OR LOCAL MUNICIPALITY FOR PAVEMENT-MARKING WORK.
- 2.) FIELD CONDITIONS
- A. EROSION-RESISTANT LIMITATIONS: PROCEED WITH PAVEMENT MARKING ONLY ON CLEAN, DRY, SURFACES AND AT A MINIMUM AMBIENT OR SURFACE TEMPERATURE OF 40 DEG F FOR ALKYD MATERIALS, 55 DEG F FOR WATER-BASED MATERIALS, AND NOT EXCEEDING 95 DEG F.
- 3.) PAVEMENT-MARKING PAINT
- A. PAVEMENT-MARKING PAINT: ALKYD-RESIN TYPE, LEAD AND CHROMATE FREE, READY MIXED, COMPLYING WITH AASHTO M 248, COLORS COMPLYING WITH FTS TT-P-1952, COLOR, AS INDICATED.
- B. ALL PAVEMENT MARKING WITHIN D.O.T. RIGHT-OF-WAY SHALL BE THERMOPLASTIC AND IN ACCORDANCE WITH D.O.T. SPECIFICATIONS.
- 4.) PAVEMENT MARKING
- A. APPLY TEMPORARY PAVEMENT MARKING BEFORE TRAFFIC IS ALLOWED ON ANY NEWLY PAVED AREA OR AS SITE CONDITIONS DICTATE. ALLOW FILL WEARING SURFACE TO AGE FOR A MINIMUM OF 30 DAYS BEFORE APPLYING FINAL PERMANENT PAVEMENT MARKING.
- 5.) PROTECTING AND CLEANING
- A. PROTECT PAVEMENT MARKINGS FROM DAMAGE AND WEAR DURING REMAINDER OF CONSTRUCTION PERIOD.
- B. CLEAN SPILLAGE AND SOILING FROM ADJACENT CONSTRUCTION USING CLEANING AGENTS AND PROCEDURES RECOMMENDED BY MANUFACTURER OF AFFECTED CONSTRUCTION.

CHAIN LINK FENCES AND GATES

- 1.) PROJECT CONDITIONS
- A. FIELD MEASUREMENTS: VERIFY LAYOUT INFORMATION FOR CHAIN-LINK FENCES AND GATES SHOWN ON DRAWINGS IN RELATION TO PROPERTY SURVEY AND EXISTING STRUCTURES. VERIFY DIMENSIONS OF FIELD MEASUREMENTS.
- 2.) WARRANTY
- A. SPECIAL WARRANTY: MANUFACTURER'S STANDARD FORM IN WHICH INSTALLER AGREES TO REPAIR OR REPLACE CHAIN-LINK FENCES AND GATES THAT FAIL IN MATERIALS OR WORKMANSHIP WITHIN SPECIFIED WARRANTY PERIOD.
- 3.) CHAIN-LINK FENCE FABRIC
- A. GENERAL: PROVIDE FABRIC IN ONE-PIECE HEIGHTS MEASURED BETWEEN TOP AND BOTTOM OF OUTER EDGE OF SURFACE KNUCKLE OR TWIST. COMPLY WITH CLFM PRODUCT MANUAL AND WITH REQUIREMENTS INDICATED BELOW:
1. FABRIC HEIGHT: AS INDICATED ON DRAWINGS.
2. STEEL WIRE FABRIC: WIRE WITH A DIAMETER OF 0.148 INCH.
- a. MESH SIZE: 2 INCHES.
- b. POLYMER-COATED FABRIC: ASTM F 668, OVER ZINC-COATED STEEL WIRE. COLOR: BLACK.
- c. COMPLYING WITH ASTM F 834.
3. SURVIVAGE: TWISTED TOP AND KNUCKLED BOTTOM.
- 4.) FENCE FRAMING
- A. POSTS AND RAILS: COMPLY WITH ASTM F 1043 FOR FRAMING, INCLUDING RAILS, BRACES, AND LINE; TERMINAL, AND CORNER POSTS. PROVIDE MEMBERS WITH MINIMUM DIMENSIONS AND WALL THICKNESS ACCORDING TO ASTM F 1043 BASED ON THE FOLLOWING:
1. FENCE HEIGHT: AS INDICATED ON DRAWINGS.
2. MATERIAL
- a. LINE POST: 1.9 INCHES IN DIAMETER.
- b. END, CORNER AND PULL POST: 2.375 INCHES.
3. HORIZONTAL FRAMEWORK MEMBERS: TOP RAILS COMPLYING WITH ASTM F 1043, TOP RAIL: 1.66 INCHES IN DIAMETER.
4. BRACE RAILS: COMPLY WITH ASTM F 1043.
5. METALLIC COATING FOR STEEL FRAMING: TYPE A, CONSISTING OF NOT LESS THAN MINIMUM 2.0-OZ./SQ. FT. AVERAGE ZINC COATING PER ASTM A 123/A 123M OR 4.0-OZ./SQ. FT. ZINC COATING PER ASTM A 653/A 653M.
- 5.) TENSION WIRE
- A. METALLIC-COATED STEEL WIRE: 0.177-INCH- DIAMETER, MARCELLED TENSION WIRE COMPLYING WITH ASTM A B17 AND ASTM A 824, WITH THE FOLLOWING METALLIC COATING: TYPE II, ZINC COATED GALVANIZED BY HOT-DIP PROCESS, WITH THE FOLLOWING MINIMUM COATING WEIGHT: MATCHING CHAIN-LINK FABRIC COATING WEIGHT.
- 6.) SWING GATES
- A. GENERAL: COMPLY WITH ASTM F 900 FOR GATE POSTS AND SINGLE OR DOUBLE SWING GATE TYPES.
1. GATE LEAF WIDTH: AS INDICATED.
2. GATE FABRIC HEIGHT: AS INDICATED.
- B. PIPE AND TUBING
1. ZINC-COATED STEEL: COMPLY WITH ASTM F 1043 AND ASTM F 1083; PROTECTIVE COATING AND FINISH TO MATCH FENCE FRAMING.
2. GATE POSTS: ROUND TUBULAR STEEL.
3. GATE FRAMES AND BRACING: ROUND TUBULAR STEEL.
- C. FRAME CORNER CONSTRUCTION: ASSEMBLED WITH CORNER FITTINGS.
- D. HARDWARE
1. HINGES: 360-DEGREE INWARD AND OUTWARD SWING.
2. LATCHES PERMITTING OPERATION FROM BOTH SIDES OF GATE WITH PROVISION FOR PADLOCKING ACCESSIBLE FROM BOTH SIDES OF GATE.
- 7.) FITTINGS
- A. GENERAL: COMPLY WITH ASTM F 626.
- B. POST CAPS: PROVIDE FOR EACH POST. PROVIDE LINE POST CAPS WITH LOOP TO RECEIVE TENSION WIRE OR TOP RAIL.
- C. RAIL AND BRACE ENDS: FOR EACH GATE, CORNER, PULL, AND END POST.
- D. RAIL FITTINGS: PROVIDE THE FOLLOWING:
1. TOP RAIL SLEEVES: PRESSED-STEEL OR ROUND-STEEL TUBING NOT LESS THAN 6 INCHES LONG.
2. RAIL CLAMPS: LINE AND CORNER BOULEVARD CLAMPS FOR CONNECTING RAILS IN THE FENCE LINE-TO-LINE POSTS.
- E. TENSION AND BRACE BANDS: PRESSED STEEL.
- F. TENSION BARS: STEEL, LENGTH NOT LESS THAN 2 INCHES SHORTER THAN FULL HEIGHT OF CHAIN-LINK FABRIC. PROVIDE ONE BAR FOR EACH GATE AND END POST, AND TWO FOR EACH CORNER AND PULL POST, UNLESS FABRIC IS INTEGRALLY WOVEN INTO POST.
- G. TRUSS ROD ASSEMBLIES: STEEL, HOT-DIP GALVANIZED AFTER THREADING ROD AND TURNBUCKLE OR OTHER MEANS OF ADJUSTMENT.
- H. TIE WIRES, CLIPS, AND FASTENERS: ACCORDING TO ASTM F 626. STANDARD ROUND WIRE TIES: FOR ATTACHING CHAIN-LINK FABRIC TO POSTS, RAILS, AND FRAMES, COMPLYING WITH THE FOLLOWING: HOT-DIP GALVANIZED STEEL, 0.148-INCH- DIAMETER WIRE, GALVANIZED COATING THICKNESS MATCHING COATING THICKNESS OF CHAIN-LINK FENCE FABRIC.
- 8.) GROUT AND ANCHORING CEMENT
- A. NONSHRINK, NONMETALLIC GROUT: PREMIXED, FACTORY-PACKAGED, NONSTAINING, NONCORROSIVE, NONAGGESSIVE GROUT COMPLYING WITH ASTM C 1107. PROVIDE GROUT, RECOMMENDED IN WRITING BY MANUFACTURER, FOR EXTERIOR APPLICATIONS.
- B. EROSION-RESISTANT ANCHORING CEMENT: FACTORY-PACKAGED, NONSHRINK, NONSTAINING, HYDRAULIC-CONTROLLED EXPANSION CEMENT FORMULATION FOR MIXING WITH POTABLE WATER AT PROJECT SITE TO CREATE POURABLE ANCHORING, PATCHING, AND GROUTING COMPOUND. PROVIDE FORMULATION THAT IS RESISTANT TO EROSION FROM WATER EXPOSURE WITHOUT NEEDING PROTECTION BY A SEALER OR WATERPROOF COATING AND THAT IS RECOMMENDED IN WRITING BY MANUFACTURER, FOR EXTERIOR APPLICATIONS.
- 9.) ADJUSTING
- A. GATES: ADJUST GATES TO OPERATE SMOOTHLY, EASILY, AND QUIETLY, FREE OF BINDING, WARP, EXCESSIVE DEFLECTION, DISTORTION, NONALIGNMENT, MISPLACEMENT, DISRUPTION, OR MALFUNCTION, THROUGHOUT ENTIRE OPERATIONAL RANGE. CONFIRM THAT LATCHES AND LOCKS ENGAGE ACCURATELY AND SECURELY WITHOUT FORCING OR BINDING.

ENGINEER:

FORESITE
group

Foresite Group, LLC
2101 Magnolia Avenue S.
Suite 100
Birmingham, AL 35205

o | 205.397.0370
f | 844.272.0997
w | www.fg-inc.net

DEVELOPER:

CROSS
development

CROSS DEVELOPMENT
4336 MARSH RIDGE
CARROLLTON, TX 75010
(214) 614-8252

CONTACT: MEAGAN VIEREN

CALIBER COLLISION
RESTORING THE RHYTHM OF YOUR LIFE™

3921 S STADIUM BLVD
JONESBORO, CRAIGHEAD CO, AR 72404
SECTION 33, TOWNSHIP 14 N, RANGE 4 E

PROJECT:

SEAL:

PRELIMINARY
NOT FOR CONSTRUCTION

REVISIONS	DATE
CITY OF JONESBORO SUBDIVISION	2024-01-17

PROJECT MANAGER:	DLS
DRAWING BY:	CAH
JURISDICTION:	CITY OF JONESBORO, AR
DATE:	2024-01-17
SCALE:	AS SHOWN
TITLE:	

GENERAL NOTES

SHEET NUMBER:

COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1641.022

* IF CONFLICTS EXIST BETWEEN THESE NOTES AND NOTES ON PLAN SHEETS, DEFER TO NOTES ON PLAN SHEETS.

* THESE NOTES AND SPECIFICATIONS ONLY APPLY IN THE EVENT THERE ARE NO JURISDICTIONAL SPECIFICATIONS.

Title Commitment No. 23-010957-180 having an effective date and time of July 17, 2023 at 8:00 A.M.

Schedule B – Section II Exceptions:

5. Easement in favor of Arkansas Louisiana Gas Company, its successors and assigns, the right of way to lay, maintain, alter, operate and remove pipe lines for the transportation of oil or gas, or products of oil or gas, and other conditions set out in document dated September 21, 1973, executed by Frank Spence and Enice Spence, filed for record October 29, 1973 in Deed Book 204, Page 494, in the records of Craighead County, Arkansas. **Cannot be plotted, blanket in nature.**
7. Matters shown on plat of record in Plat Book C, Page 355, and filed for record October 13, 2020 as Instrument Number 2020R-023481, in records of Jonesboro District of Craighead County, Arkansas, described as: 30 foot drainage easement on the West side of Property. **As shown.**

GENERAL NOTES

1. No apparent encroachments were found.
2. There was no apparent evidence observed of current earth moving work, building construction or building additions.
3. There was no apparent evidence observed of recent changes in street right-of-way lines or of street sidewalk construction or repairs.
4. There was no apparent evidence observed of site use as a solid waste dump, sump or sanitary landfill.

UTILITY SERVICE PROVIDERS

1. Water: City of Jonesboro
2. Sanitary Sewer: City of Jonesboro
3. Electricity: City of Jonesboro
4. Natural Gas: Summit Energy
5. Telephone: AT&T

ZONING

Zoned C-3

BUILDING SETBACK LINES

Front Setback: 25 feet
Side Yard Setback: 20 feet
Rear Yard Setback: 10 feet

FLOOD STATEMENT

No portion of the subject property lies within a flood plain as shown on Flood Insurance Rate Map Community Panel Number 05031C0134C, having an effective date of September 27, 1991, as published by the Federal Emergency Management Agency (FEMA).

CERTIFICATION

To: Chicago Title Insurance Company and Cross Development Acquisition, LLC. This is to certify that this plat and the survey on which it is based were made in accordance with the 2021 Minimum Standards Detail Requirements for ALTA/NSPS Land Title Survey, jointly established and adopted by ALTA and NSPS, and includes Items 1, 2, 3, 4, 5, 6, 7a, 8, 9, 10, 11a, 13, 14, 16, 17 and 19 of Table A thereof. The field work was completed on 10-10-2023.
Date of Plat: October 11, 2023.

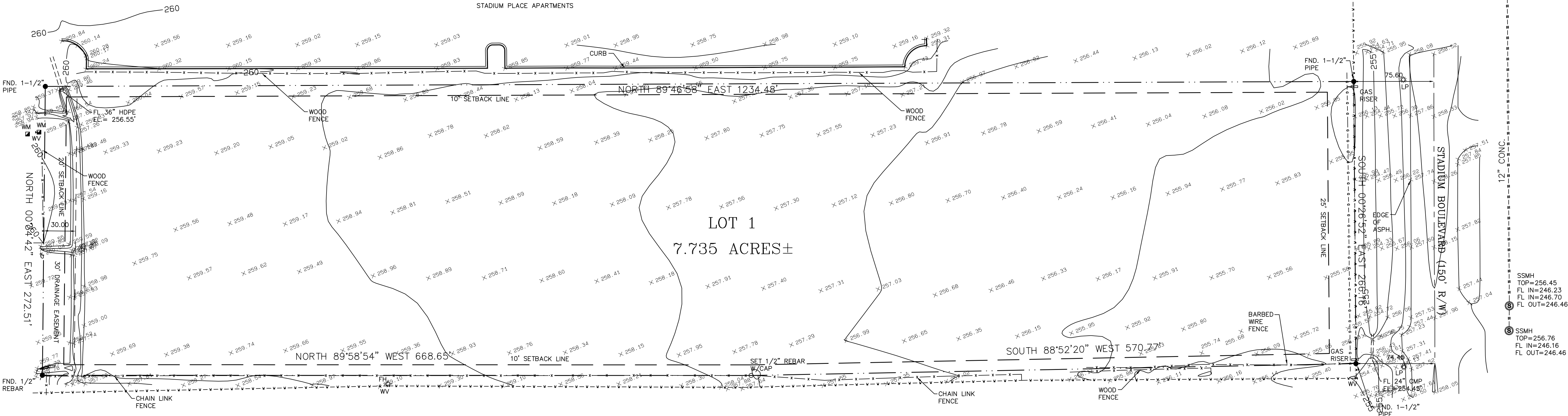
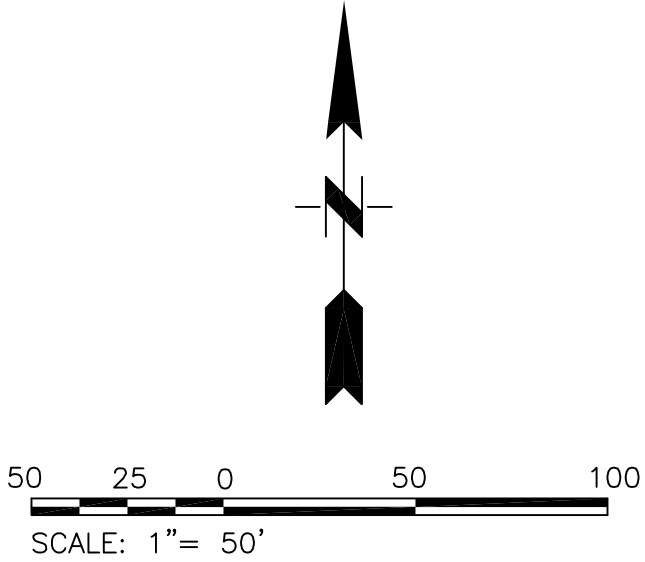
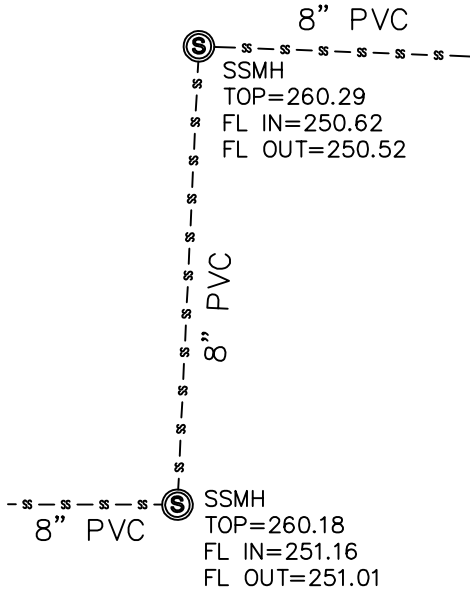
Wm. Allen Smith
SMITH AND GOODSON, PLLC.
Wm. Allen Smith, Professional Surveyor #1095 (Arkansas)

10-11-2023
DATE



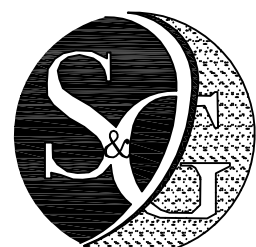
PROPERTY DESCRIPTION

Lot 1, H.J.H. Properties Replat of Lots 1 & 2, HJH Stadium Boulevard Addition and Part of SE 1/4 of SW 1/4, of Section 33, Township 14 North, Range 4 East, as shown on Plat of Record in Plat Book C, Page 355, and of record as Instrument Number 2020R-023481, in the records of Jonesboro District of Craighead County, Arkansas.



Date	Notes	By

Designed	
Checked	WAS
Drawn	SDG
Approved	WAS



SMITH AND GOODSON
PLLC
CIVIL ENGINEERING AND LAND SURVEYING
7509 CANTRELL ROAD, SUITE 227
LITTLE ROCK, ARKANSAS 72207
501-414-8498

ALTA/NSPS LAND TITLE SURVEY

FOR THE USE AND BENEFIT OF:
Chicago Title Insurance Company,
Cross Development Acquisition, LLC &
CC West Little Rock, LLC

Job: 23-012
Scale: 1"=30'
Date: 8-10-2023
Sheet: 1-1

GENERAL NOTES:

- 1) THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE DEMOLITION PERMIT FROM CITY OF JONESBORO PRIOR TO DEMOLITION OF THE SITE.
- 2) ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY WORK INCLUDING DEMOLITION.
- 3) ALL CONSTRUCTION RELATED PERMITS DURING THE CONSTRUCTION PHASE OF THIS PROJECT ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- 4) REMOVE SHRUBS AND TREES AS NOTED. GRUB OUT ROOTS AND STUMPS AND LEGALLY DISPOSE OF DEBRIS.

DEMOLITION NOTES:

- 1) ALL NEW WORK SHOWN IN THESE SHEETS SHALL COMPLY WITH APPLICABLE STATE, FEDERAL, AND LOCAL BUILDING AND UTILITY INSTALLATION CODES.
- 2) ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF JONESBORO STANDARD SPECIFICATIONS.
- 3) THERE MAY BE ADDITIONAL UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR LOCATIONS SHOWN, AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF CONSTRUCTION AND TO NOTIFY THE OWNER IN CASE OF DISCREPANCIES THAT AFFECT THE CONSTRUCTION PROJECT.
- 4) THE CONTRACTOR IS RESPONSIBLE FOR NOTIFICATION OF AND LIAISON WITH UTILITY COMPANIES IN THE PROCESS OF LOCATION AND RELOCATION OF AND TIE-IN TO PUBLIC UTILITIES.
- 5) CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE THAT MAY OCCUR TO ANY ADJACENT STRUCTURES OR PROPERTY, OR ANY EXISTING STRUCTURES WITHIN LIMITS OF CONSTRUCTION THAT ARE DESIGNATED ON THE PLANS TO REMAIN, AND SHALL REPAIR OR REPLACE SUCH DAMAGED PROPERTY TO THE PROPERTY OWNERS SATISFACTION AT NO COST TO THE OWNER.

- 6) THE CONTRACTOR SHALL NOT DEVIATE FROM THESE PLANS AND SPECIFICATIONS WITHOUT THE PRIOR WRITTEN CONSENT OF THE ENGINEER.

- 7) CONTRACTOR IS RESPONSIBLE FOR CONTACTING CITY OF JONESBORO AND ALL EXISTING UTILITY PROVIDERS BEFORE REMOVING ANYALL UTILITIES FROM THEIR EXISTING LOCATION ON THE SITE. THE CONTRACTOR SHALL PERFORM ALL UTILITY DEMOLITION OR RELOCATION ACTIVITIES IN ACCORDANCE WITH THE EXISTING UTILITIES SPECIFICATIONS, MATERIALS, AND REQUIREMENTS.

- 8) THE CONTRACTOR SHALL SEQUENCE THE WORK AND PROVIDE TEMPORARY MEASURES AS NECESSARY TO MAINTAIN ACCESS TO THE SITE THROUGH ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION. TEMPORARY PROVISIONS MAY INCLUDE, BUT ARE NOT LIMITED TO: BARRICADES, FLASHING LIGHTS, FLAGMAN, TEMPORARY PAVEMENT, AND DIRECTIONAL SIGNAGE AS NECESSARY TO ACCOMPLISH THE WORK.

- 9) CONTRACTOR SHALL CONSIDER COORDINATION ASPECTS OF CRANES AND CONSTRUCTION EQUIPMENT OPERATIONS DURING DEMOLITION ACTIVITY.

- 10) CONTRACTOR EQUIPMENT SHALL NOT BE PARKED IN COUNTY, CITY OR STATE RIGHT-OF-WAY, AND MUST BE STORED WITHIN SITE.

- 11) COORDINATE WITH CITY OF JONESBORO CODES ENFORCEMENT DIVISION AS REQUIRED DURING ALL DEMOLITION AND NEW CONSTRUCTION ACTIVITIES.

- 12) APPROVAL OF THESE PLANS DOES NOT CONSTITUTE APPROVAL BY CITY OF JONESBORO OF ANY LAND DISTURBING ACTIVITIES WITHIN WETLAND AREAS. IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO CONTACT THE APPROPRIATE REGULATORY AGENCY FOR APPROVAL OF ANY WETLAND AREA DISTURBANCE.

- 13) ALL BUFFERS AND SAVE AREAS SHALL BE CLEARLY IDENTIFIED BY FLAGGING AND/OR FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE.

- 14) THE CONTRACTOR SHALL DISPOSE OF ANY HAZARDOUS MATERIALS IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS.

- 15) ALL ITEMS DESIGNATED FOR REMOVAL SHALL BE LEGALLY DISPOSED OF, OFF SITE.

- 16) CONTRACTOR TO CONTACT UTILITIES PROTECTION CENTER PRIOR TO ANY EXCAVATION.

- 17) CONTRACTOR TO POT HOLE EXISTING WATER LINE, UNDERGROUND ELECTRICAL LINES, GAS LINE, UNDERGROUND TELEPHONE, FIBER OPTIC, AND ANY OTHER UTILITY LINES WITHIN THE RIGHT OF WAY DURING DEMOLITION ACTIVITIES AND COORDINATE FIELD LOCATIONS AND DEPTHS OF THESE UTILITIES WITH ENGINEER FOR PROPOSED UTILITY CROSSINGS AND PROPOSED PAVEMENT OVER EXISTING LINES. THESE LINES MAY REQUIRE RELOCATION.

- 18) ALL SUBGRADE PREP, PAVEMENTS REMOVAL/NEW PAVEMENTS CONSTRUCTION, AND AREAS OF THE SITE TO RECEIVE FILL SHALL BE COMPLETED IN STRICT CONFORMANCE WITH THE RECOMMENDATIONS PROVIDED BY THE PROJECT GEOTECHNICAL ENGINEER, MTA ENGINEERS IN THE REPORT DATED 10/03/2023. THE CONTRACTOR SHALL HAVE THE REPORT ON THIS JOB SITE FOR REFERENCE AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE EARTHWORK OPERATIONS AND CONSTRUCTION PHASE MONITORING TO ENSURE THAT ALL COMPACTION IS COMPLETED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. THE CONTRACTOR SHALL PROVIDE TESTING REPORTS TO THE OWNER REGARDING COMPACTION TESTING AT EACH LIFT PHASE OF FILL OPERATIONS OR DURING COMPACTION OF EXISTING SUBGRADE TO REMAIN PER TESTING PROTOCOL ON THE GEOTECHNICAL REPORT.

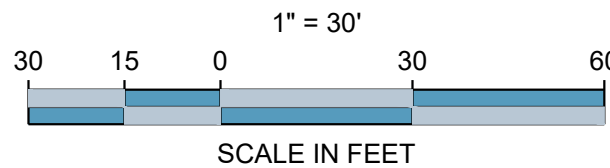
- 19) CONTRACTOR SHALL BE FAMILIAR WITH AND FOLLOW ALL RECOMMENDATIONS GIVEN BY MTA ENGINEERS IN THE REPORT DATED 10/03/2023, DURING DEMOLITION AND SITE CONSTRUCTION.

EROSION CONTROL NOTES
(SEE ALSO EROSION CONTROL PLAN)

- 1) EROSION CONTROL DEVICES ARE TO BE INSTALLED PRIOR TO ANY CLEARING OR EARTHWORK OPERATIONS AND SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AND UNTIL PERMANENT GROUND COVER IS ESTABLISHED IN ALL DISTURBED AREAS.
- 2) THE CONTRACTOR SHALL PROVIDE DUST CONTROL AND SHALL PROTECT ADJACENT PAVEMENTS FROM SOIL ACCUMULATION DURING CONSTRUCTION.
- 3) ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED BY THE ENGINEER OR OTHER INSPECTORS AS DETERMINED BY FIELD CONDITIONS.
- 4) STORM DRAINAGE STRUCTURES AND CONDUITS SHALL BE PROTECTED FROM SEDIMENTATION AS REQUIRED BY STATE OR LOCAL CODES.

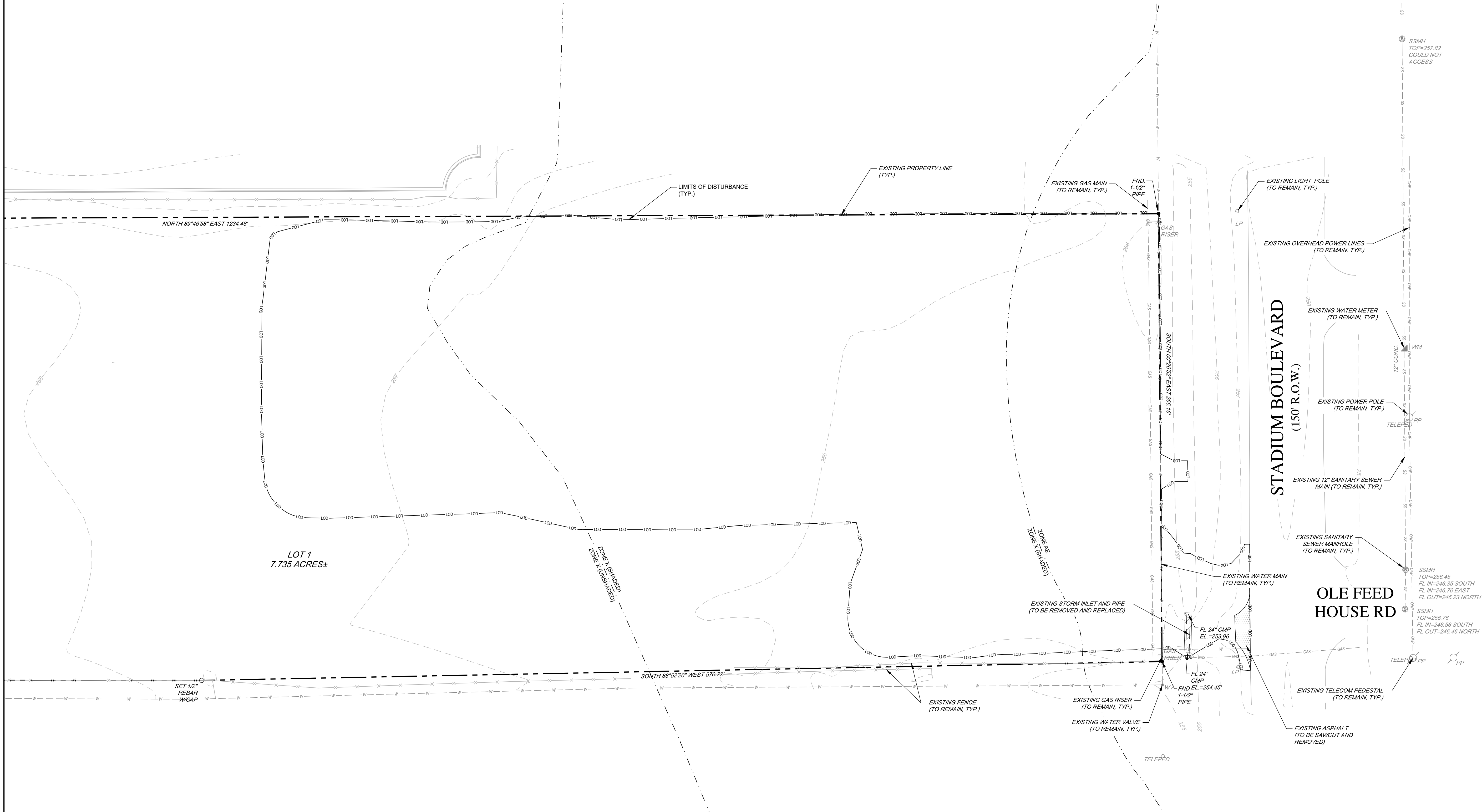


Know what's below
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LEGEND	
	UTILITIES TO BE REMOVED AND/OR RELOCATED (SEE NOTE FOR DETAIL)
	EXISTING ASPHALT / GRAVEL (TO BE REMOVED)
	PROPERTY LINE
	LIMITS OF DISTURBANCE
	EXISTING CONTOURS

EXISTING SITE DATA	
TOTAL SITE AREA =	7.73 AC.
EXISTING PERVIOUS AREA =	7.73 AC.
EXISTING IMPERVIOUS AREA =	0.00 AC.
PROJECT SITE AREA =	2.29 AC.
PROJECT PERVIOUS AREA =	2.29 AC.
PROJECT IMPERVIOUS AREA =	0.00 AC.



ENGINEER:

FORESITE
group

Foresite Group, LLC
2101 Magnolia Avenue S. Suite 100
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o | 205.397.0370
f | 844.272.0997
w | www.fg-inc.net

DEVELOPER:



CROSS DEVELOPMENT
4336 MARSH RIDGE
CARROLLTON, TX 75010
(214) 614-8252

CONTACT: MEAGAN VIEREN

PROJECT:

CALIBER COLLISION
RESTORING THE RHYTHM OF YOUR LIFE

3921 S STADIUM BLVD
JONESBORO, CRAIGHEAD CO., AR 72404
SECTION 33, TOWNSHIP 14 N, RANGE 4 E

SEAL:

PRELIMINARY
NOT FOR CONSTRUCTION

REVISIONS DATE

CITY OF JONESBORO SUBDIVISION 2024-01-17

PROJECT MANAGER: DLS

DRAWING BY: CAH

JURISDICTION: CITY OF JONESBORO, AR

DATE: 2024-01-17

SCALE: 1" = 30'

TITLE:

DEMOLITION PLAN

SHEET NUMBER:

C-0

COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1641.022

GENERAL NOTES:

- 1) ALL PROPOSED DIMENSIONS USED TO SHOW THE GEOMETRIC LAYOUT OF THE PROPOSED PARKING LOT ARE SHOWN AT THE FACE OF CURB. ALL PROPOSED DIMENSIONS USED TO SHOW THE GEOMETRIC LAYOUT OF THE PROPOSED BUILDING LOCATION ARE GIVEN AT THE OUTSIDE FACE OF THE BUILDING CORNERS. ALL CURB RADII ARE GIVEN AT THE FACE OF CURB.
- 2) CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS IN THE FIELD AND THE SURVEY SHOWN ON THE PLANS BEFORE PROCEEDING WITH ANY NEW CONSTRUCTION.
- 3) CONTRACTOR IS RESPONSIBLE FOR CORRECT HORIZONTAL AND VERTICAL ALIGNMENT OF ALL TIES BETWEEN PROPOSED AND EXISTING PAVEMENTS, CURB AND GUTTER, SIDEWALKS, WALLS, AND UTILITIES.

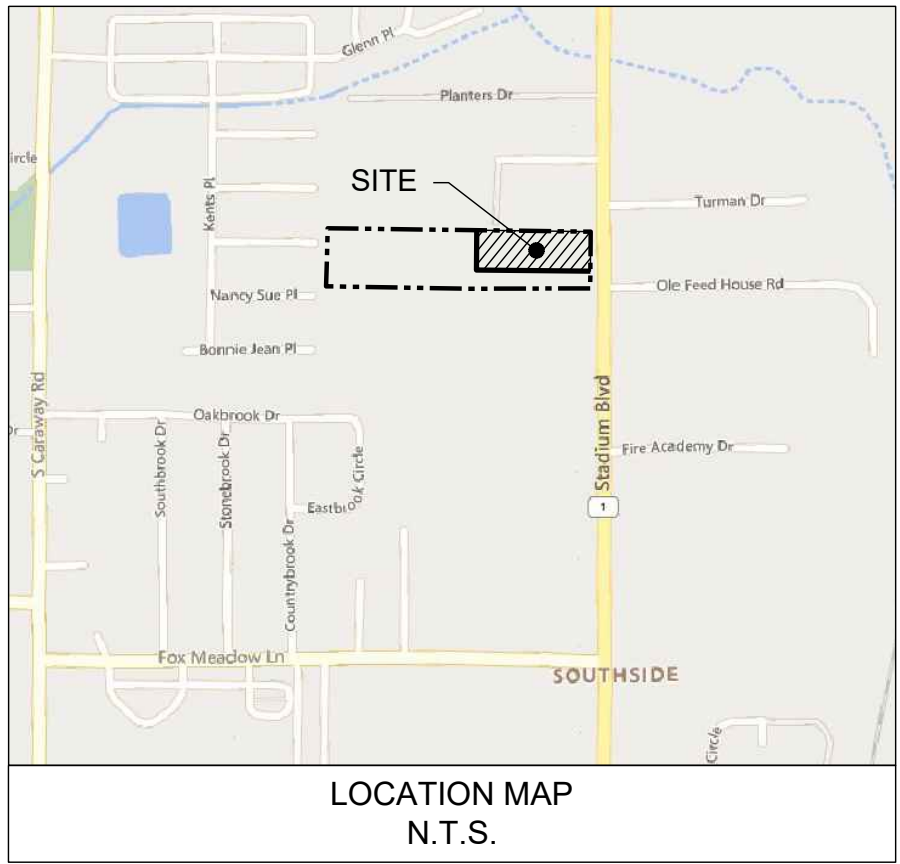
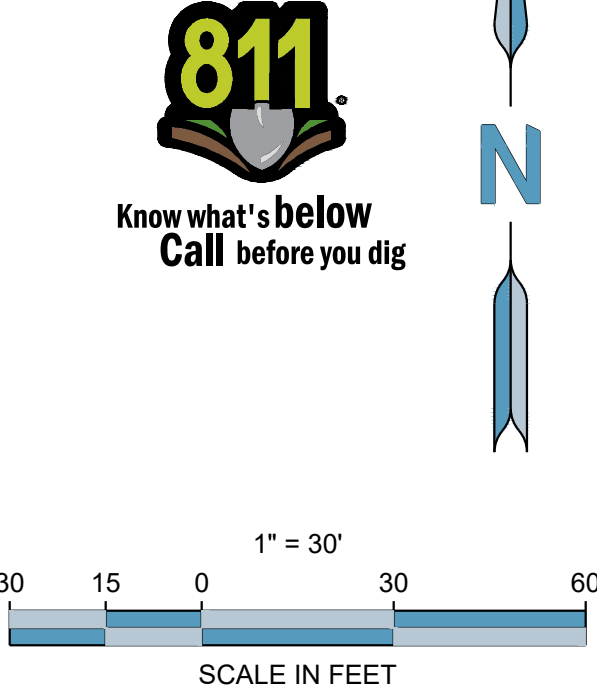
SITE NOTES:

- 1) TRACT IS ZONED: C-3 GENERAL COMMERCIAL DISTRICT.
- 2) SEE ARCHITECTURAL PLANS FOR BUILDING FLOOR PLAN DIMENSIONS, DOOR LOCATIONS, SITE LIGHTING PLAN, AND OTHER ARCHITECTURAL DETAILS.
- 3) NO CERTIFICATE OF OCCUPANCY WILL BE ISSUED UNTIL ALL SITE IMPROVEMENTS HAVE BEEN COMPLETED ON THE SITE.
- 4) HIGH INTENSITY LIGHTING FACILITIES SHALL BE SO ARRANGED THAT THE SOURCE OF ANY LIGHT IS CONCEALED FROM THE PUBLIC VIEW AND DOES NOT INTERFERE WITH TRAFFIC. (SEE PHOTOMETRICS PLAN IN ARCH. PLANS).
- 5) ALL BUFFERS, TREE SAVE AREAS, AND UNDISTURBED AREAS SHALL BE CLEARLY IDENTIFIED BY FLAGGING AND/OR FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE.
- 6) NO OUTSIDE STORAGE IS PROPOSED. THIS INCLUDES SUPPLIES, VEHICLE, EQUIPMENT, PRODUCTS, ETC.
- 7) SIGNS (LOCATION, NUMBER, AND SIZE) ARE NOT APPROVED UNDER THIS DEVELOPMENT PERMIT. A SEPARATE PERMIT IS REQUIRED FOR ON-SITE SIGNAGE.

- 8) ALL CONSTRUCTION RELATED PERMITS DURING THE CONSTRUCTION PHASE OF THIS PROJECT ARE THE RESPONSIBILITY OF THE OWNER. HOWEVER, A CONTRACTOR/DEVELOPER CAN DO PERMITTING WITH AGENT AUTHORIZATION.
- 9) ALL EROSION, SEDIMENT CONTROL AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO ANY GRADING.
- 10) ALL PAVEMENT MARKINGS WITHIN CITY OF JONESBORO RIGHT-OF-WAY SHALL BE THERMOPLASTIC AND ACCORDING TO CITY OF JONESBORO SPECIFICATIONS.
- 11) 24 HOUR CONTACT: NATHAN SPENCE, P.E., (205) 397-0370
- 12) IN ALL AREAS OF FILL OR OTHERWISE DISTURBANCE OF EXISTING CONDITIONS, UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL FULLY AND COMPLETELY REMOVE AND LEGALLY DISPOSE OFF-SITE, ALL PLANT MATERIALS INCLUDING BUT NOT LIMITED TO ROOT SYSTEMS, CONCRETE, REINFORCED CONCRETE, ASPHALT DEBRIS, UNDERBRUSH, TOPSOIL, AND OTHER DELETERIOUS MATERIAL. THE SUBGRADE TO REMAIN SHALL BE COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY FOLLOWING FULL REMOVAL OF THESE MATERIALS.
- 13) ALL SUBGRADE PREP AND AREAS OF THE SITE TO RECEIVE FILL SHALL BE COMPLETED IN STRICT CONFORMANCE WITH THE RECOMMENDATIONS IN THE REPORT BY THE PROJECT GEOTECHNICAL ENGINEER, MTA ENGINEERS DATED 10/03/2023. THE CONTRACTOR SHALL HAVE THIS REPORT ON THE JOB SITE FOR REFERENCE AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE EARTHWORK OPERATIONS AND CONSTRUCTION PHASE MONITORING TO ENSURE THAT ALL COMPACTION IS COMPLETED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. THE CONTRACTOR SHALL PROVIDE TESTING REPORTS TO THE OWNER REGARDING COMPACTION TESTING PER THE TESTING PROTOCOL IN THE GEOTECHNICAL REPORT.
- 14) CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS DURING CONSTRUCTION FOR PROTECTION OF ADJACENT ROADWAYS.
- 15) IN HEAVY DUTY PAVEMENT AREAS THE GAS BASE SHALL BE EXTENDED UNDER THE CURB AND GUTTER TO PROVIDE ADDITIONAL STABILITY FOR TRUCK TRAVEL.
- 16) PROPERTY OWNER WILL BE RESPONSIBLE FOR UPKEEP AND MAINTENANCE OF DETENTION POND.

LEGEND	
	STANDARD DUTY ASPHALT PAVING
	HEAVY DUTY ASPHALT PAVING
	STANDARD DUTY CONCRETE PAVING
	CONCRETE SIDEWALK PAVING
	HEAVY DUTY CONCRETE PAVING
	PROPERTY LINE
	PARKING COUNT
	SPILL CURB
	PROPOSED FENCE
	TRAFFIC SIGN

SITE DATA	
PROJECT:	A CALIBER COLLISION WITH ASSOCIATED INFRASTRUCTURE
ZONING:	C-3 GENERAL COMMERCIAL DISTRICT
ADJACENT ZONING:	C-2 (GENERAL COMMERCIAL)
CURRENT LAND USE:	VACANT
PARCEL IDENTIFICATION NUMBER:	01-144333-00900
LOCATION:	SECTION 33, TOWNSHIP 14 N, RANGE 4 E
TOTAL SITE AREA:	7.73 AC.
PROJECT SITE AREA:	2.29 AC.
DISTURBED AREA:	2.62 AC.
PERVIOUS SURFACE AREA:	0.93 AC.
IMPERVIOUS SURFACE AREA:	1.36 AC. OR 59.4%
BUILDING SETBACK - FRONT:	25 FT
SIDE:	10 FT
REAR:	20 FT
TOTAL GROUND FLOOR AREA:	16,109 S.F.
NUMBER OF FLOORS:	1
PARKING RATIO REQUIRED - OFFICE:	1 SPACE / 300 S.F.
SERVICE & STORAGE:	5 SPACES / SERVICE BAY
RETAIL:	2,500 SF = 9 SPACES
SERVICE:	2 BAYS = 10 SPACES
TOTAL PARKING REQUIRED:	19 SPACES
PARKING PROVIDED:	89 SPACES
CUSTOMER PARKING PROVIDED:	13 SPACES
STORAGE PARKING PROVIDED:	76 SPACES
ACCESSIBLE PARKING REQUIRED:	2 SPACES
ACCESSIBLE PARKING PROVIDED:	2 SPACES
LOADING SPACES REQUIRED:	1 SPACE (9'X20')
LOADING SPACES PROVIDED:	1 SPACE (9'X20')
MINIMUM PARKING STALL:	9'X20'
PROPOSED PARKING STALL:	9'X20'



ENGINEER:

FORESITE
group

Foresite Group, LLC
2101 Magnolia Avenue S.
Suite 100
Birmingham, AL 35205

o | 205.397.0370
f | 844.272.0997
w | www.fg-inc.net

DEVELOPER:



CROSS DEVELOPMENT
4336 MARSH RIDGE
CARROLLTON, TX 75010
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CONTACT: MEAGAN VIEREN

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REVISIONS DATE

CITY OF JONESBORO SUBDIVISION 2024-01-17

PROJECT MANAGER: DLS

DRAWING BY: CAH

JURISDICTION: CITY OF JONESBORO, AR

DATE: 2024-01-17

SCALE: 1" = 30'

TITLE:

SITE & PAVING PLAN

SHEET NUMBER:

C-1

COMMENTS: NOT RELEASED FOR CONSTRUCTION

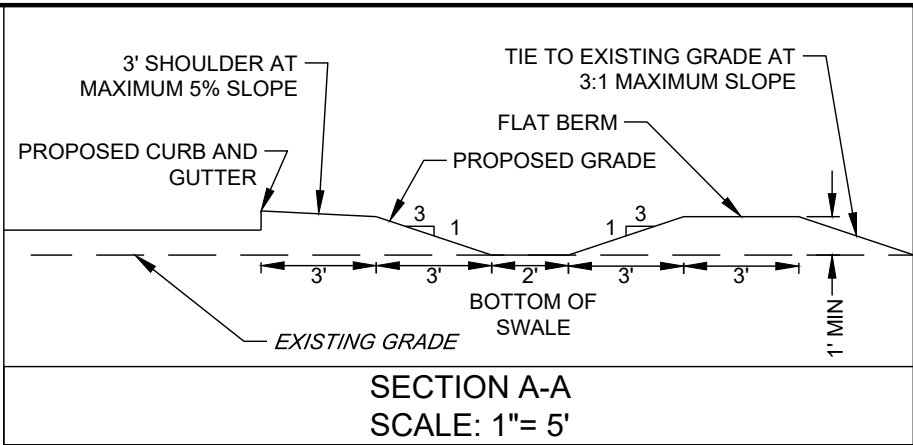
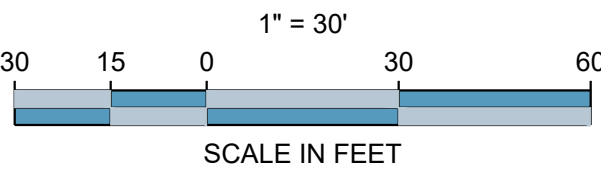
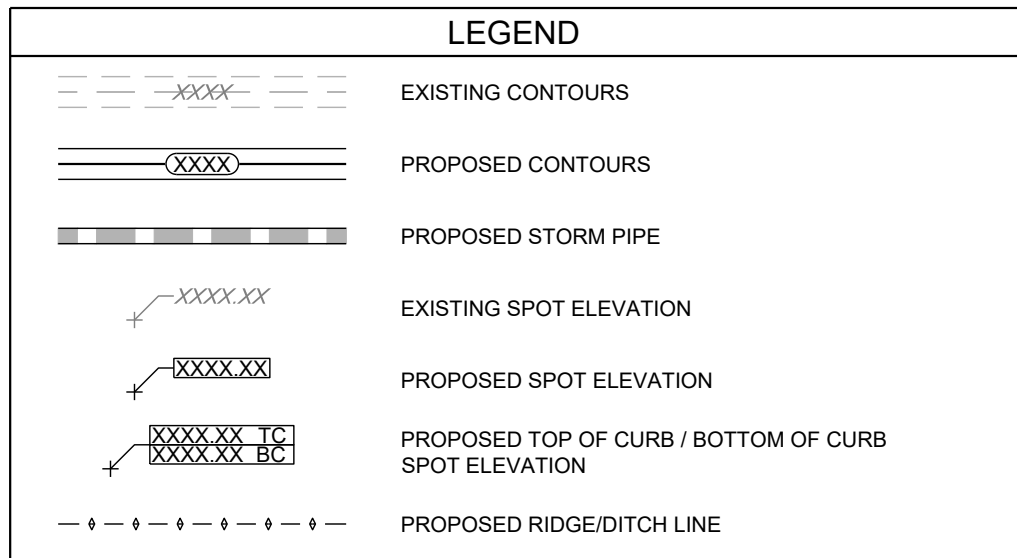
JOB/FILE NUMBER: 1641.022

GENERAL NOTES:

- 1) ALL SPOT ELEVATIONS SHOWN ARE AT THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- 2) ALL PROPOSED SIDEWALKS SHALL BE BUILT WITH A 1.5% CROSS-SLOPE AWAY FROM THE BUILDING.
- 3) ALL HEAD WALL SECTIONS SHALL BE CONSTRUCTED TO BE FLUSH WITH THE EXISTING DITCH BANK AND PROPOSED EMBANKMENT SLOPES.

SITE NOTES:

- 1) THE CONTRACTOR SHALL CLEAN OUT ACCUMULATED SILT IN STORM WATER CONVEYANCE CHANNELS AND PIPES AT END OF CONSTRUCTION WHEN DISTURBED AREAS HAVE BEEN STABILIZED.
- 2) COORDINATE WITH CITY OF JONESBORO INSPECTIONS DURING CONSTRUCTION.
- 3) NO CERTIFICATE OF OCCUPANCY WILL BE ISSUED UNTIL ALL SITE IMPROVEMENTS HAVE BEEN COMPLETED.
- 4) CONSTRUCT EROSION CONTROL BARRIERS PER CITY OF JONESBORO INSPECTOR AND MAINTAIN UNTIL PERMANENT VEGETATION IS ESTABLISHED.
- 5) THE CONTRACTOR SHALL RE-ESTABLISH ALL RIGHT OF WAY AREA WHICH IS DAMAGED OR DISTURBED TO ORIGINAL CONDITIONS OR BETTER DURING AUTHORIZED WORK. ALL WORK IN CITY OF JONESBORO RIGHT OF WAY SHALL COMPLY WITH ARDOT SPECIFICATIONS.
- 6) ALL CURBED LANDSCAPE ISLANDS SHALL BE FILLED TO TOP OF CURB WITH TOPSOIL AND SEEDED.
- 7) MAXIMUM CUT OR FILL SLOPES IS 2.5H:1V.
- 8) TREE PROTECTION FENCE SHALL BE INSTALLED PRIOR TO ANY CLEARING OR GRADING ACTIVITIES.
- 9) ALL STORM PIPE SHOWN ON THIS PLAN SHALL BE WRAPPED WITH LOCATION WIRE AND TAPE.
- 10) IN ALL AREAS OF FILL OR OTHERWISE DISTURBANCE OF EXISTING CONDITIONS, UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL FULLY AND COMPLETELY REMOVE AND LEGALLY DISPOSE OFF-SITE. ALL PLANT MATERIALS INCLUDING BUT NOT LIMITED TO ROOT SYSTEMS, CONCRETE, REINFORCED CONCRETE, ASPHALT DEBRIS, UNDERBRUSH, TOPSOIL, AND OTHER DELETERIOUS MATERIAL. THE SUBGRADE TO REMAIN SHALL BE COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY FOLLOWING FULL REMOVAL OF THESE MATERIALS.
- 11) REFER TO SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING EVALUATION REPORTS AS PROVIDED BY OWNER FOR RECOMMENDATIONS ASSOCIATED WITH: GENERAL SITE PREPARATION, BUILDING PAD PREPARATION, SUBGRADE PREP, AREAS TO RECEIVE FILL, AREAS TO BE OVEREXCAVATED, PAVEMENT SECTIONS, FILL, SLOPES AND EXCAVATION. THE CONTRACTOR SHALL HAVE THIS REPORT ON THE JOB SITE FOR REFERENCE AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE EARTHWORK OPERATIONS AND CONSTRUCTION PHASE MONITORING TO ENSURE THAT ALL COMPACTION IS COMPLETED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. THE CONTRACTOR SHALL PROVIDE TESTING REPORTS TO THE OWNER REGARDING COMPACTION TESTING PER THE TESTING PROTOCOL IN THE GEOTECHNICAL REPORT.
- 12) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN QUALIFIED PROFESSIONAL ADVICE WHEN QUESTIONS ARISE CONCERNING DESIGN AND EFFECTIVENESS OF EROSION CONTROL DEVICES. 24 HR. CONTACT: NATHAN SPENCE, P.E. (205) 397-0370
- 13) A PORTION OF THIS PROPERTY LIES WITHIN A SPECIAL FLOOD HAZARD AREA PER PANEL 05031C0134C DATED 1991-09-27
- 14) DETENTION FACILITIES AND EROSION CONTROL MEASURES ARE TO BE ACCOMPLISHED PRIOR TO ANY OTHER CONSTRUCTION ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
- 15) EXTREME CAUTION SHALL BE USED WHEN WORKING WITHIN THE VICINITY OF THE EXISTING OVERHEAD POWER LINES. CONTRACTORS SHALL NOTIFY/COORDINATE WITH CITY WATER AND LIGHT PRIOR TO CONSTRUCTION.
- 16) STORM WATER MANAGEMENT SHALL BE IN ACCORDANCE WITH COUNTY, STATE, AND OTHER APPROPRIATE ORDINANCES AND REGULATIONS IN EFFECT AT TIME OF CONSTRUCTION PLAN APPROVAL.
- 17) CONTRACTOR SHALL INSTALL DOWNSTREAM STORM PIPE CONNECTION IN THE RIGHT-OF-WAY PRIOR TO INSTALLATION OF ON-SITE STORM PIPING AND/OR STORM WATER DETENTION FACILITY. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES SHOWN ON THE PLANS BY POT HOLEING THE LINES. THE CONTRACTOR SHALL HAVE THE LINES SURVEYED, INCLUDING HORIZONTAL AND VERTICAL LOCATION, AND THE SURVEYED POINTS SENT TO THE PROJECT ENGINEER TO DETERMINE IF ANY UTILITY CONFLICTS WILL AFFECT THE CURRENT STORM DRAINAGE DESIGN.
- 18) ALL CMP STORM PIPE SHALL BE TYPE 2 ALUMINIZED. ALL HDPE SHALL BE AASHTO TYPE "S" AND SHALL BE INSTALLED IN ACCORDANCE AT ASTM D2221 OR AASHTO SECTION 30 STANDARD PRACTICES AND AS RECOMMENDED BY THE MANUFACTURER. ALL RCP STORM PIPE SHALL BE CLASS III.



ENGINEER:

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DEVELOPER:



CROSS DEVELOPMENT
4336 MARSH RIDGE
CARROLLTON, TX 75010
(214) 614-8252

CONTACT: MEAGAN VIEREN

PROJECT:

CALIBER COLLISION
RESTORING THE RHYTHM OF YOUR LIFE™

3921 S STADIUM BLVD
JONESBORO, CRAIGHEAD CO., AR 72404
SECTION 33, TOWNSHIP 14 N, RANGE 4 E

SEAL:

PRELIMINARY
NOT FOR CONSTRUCTION

REVISIONS DATE

CITY OF JONESBORO SUBDIVISION 2024-01-17

PROJECT MANAGER: DLS

DRAWING BY: CAH

JURISDICTION: CITY OF JONESBORO, AR

DATE: 2024-01-17

SCALE: 1" = 30'

TITLE:

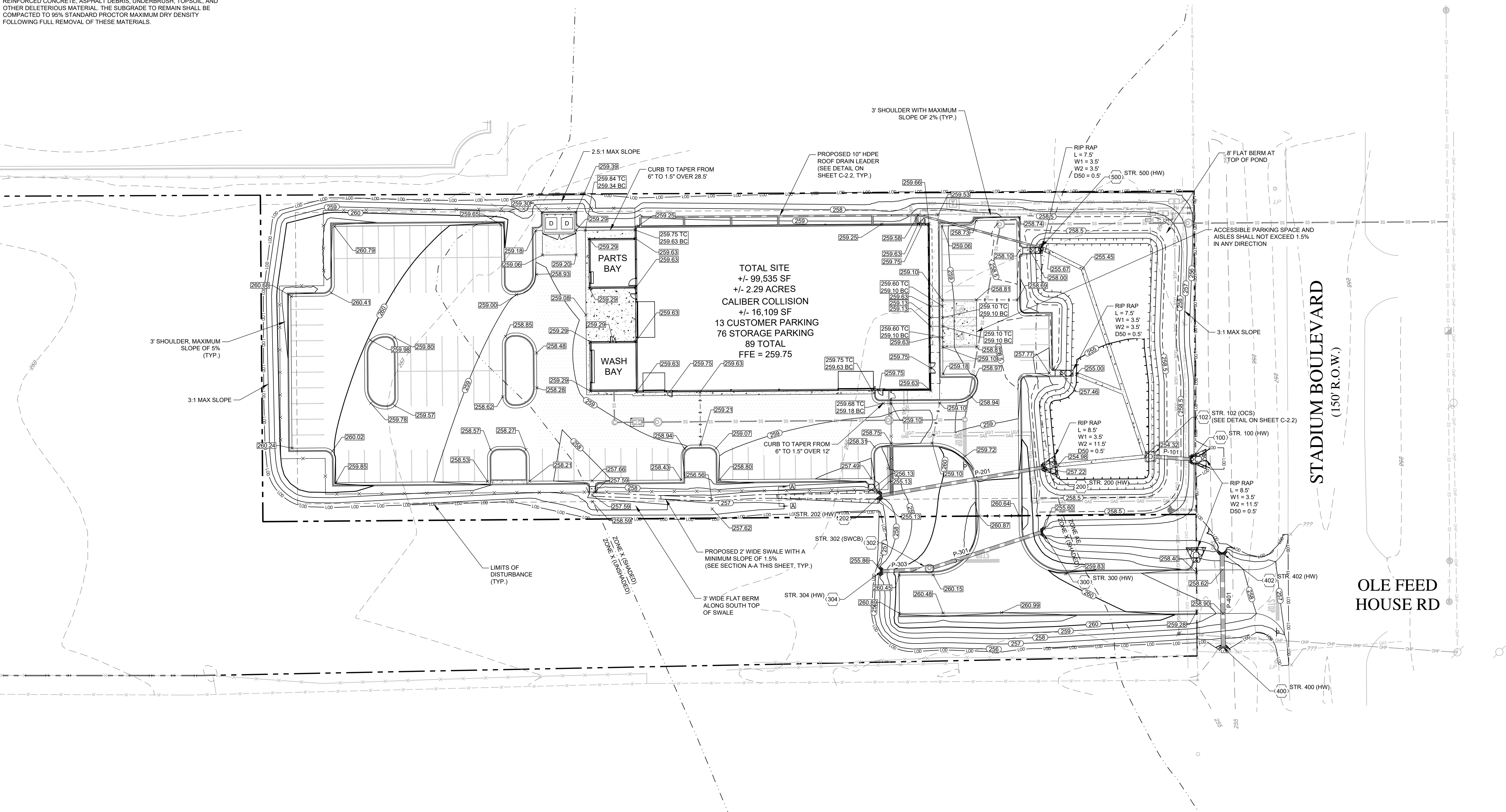
GRADING & DRAINAGE PLAN

SHEET NUMBER:

C-2

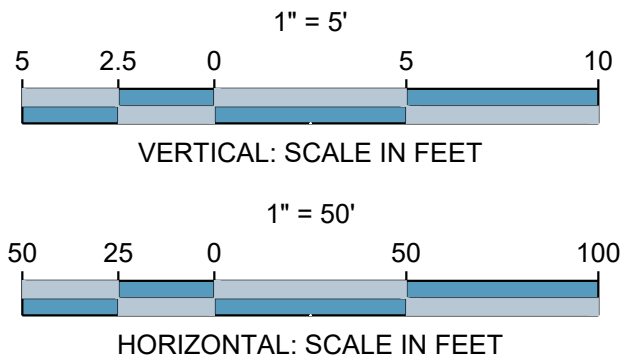
COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1641.022

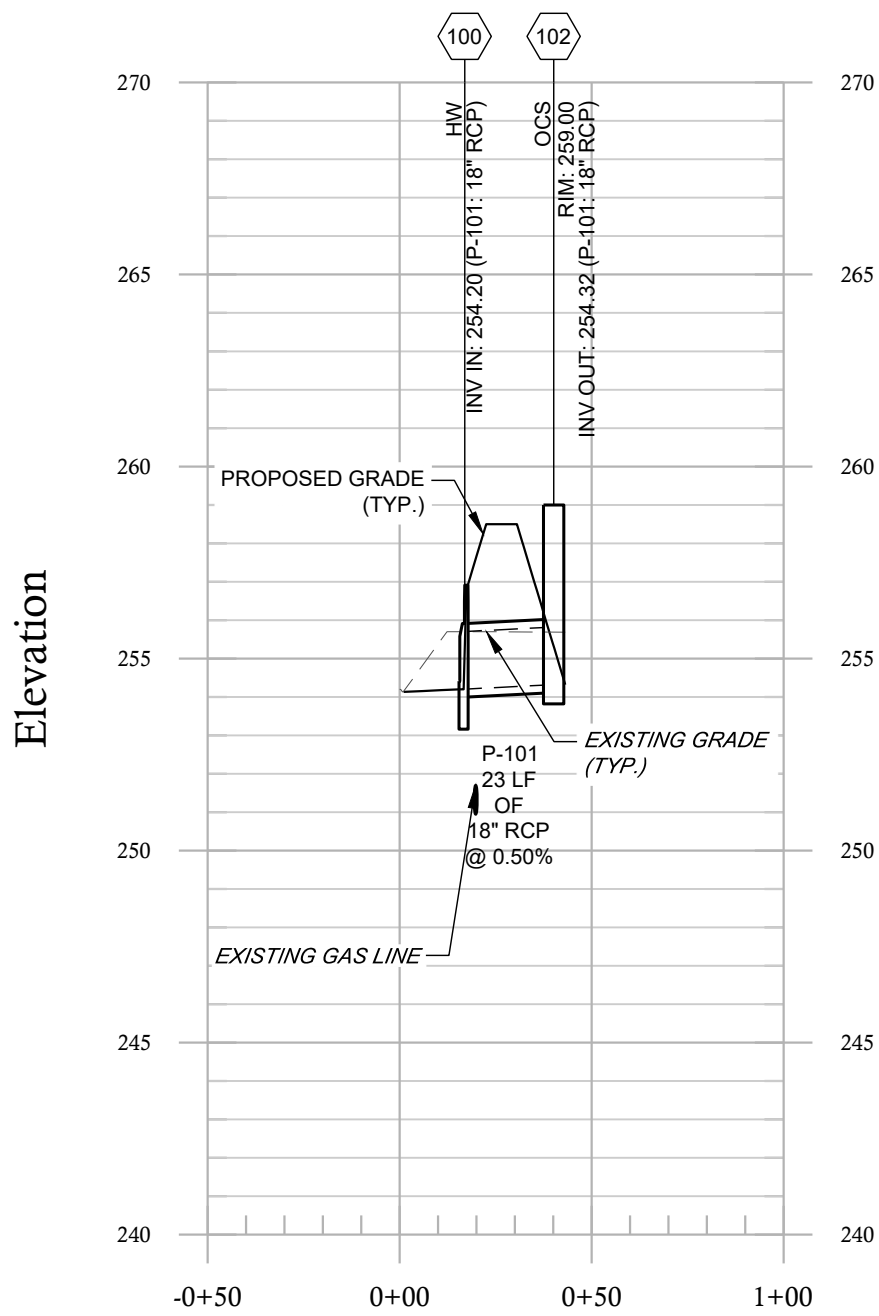


GENERAL NOTES:

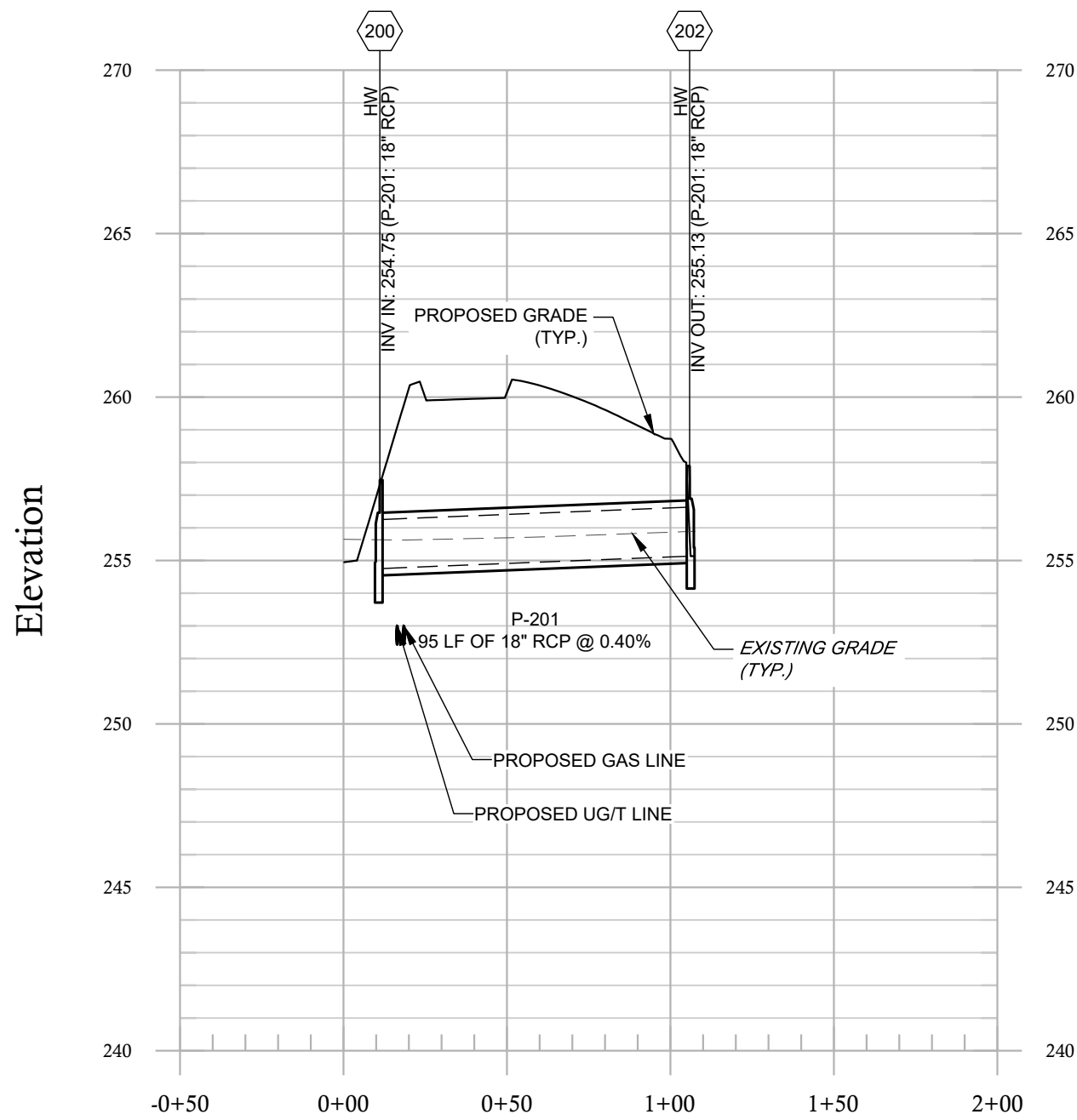
- 1) PIPE LENGTHS REFLECT THE PIPES LINEAR LENGTH AND ARE SHOWN FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
- 2) EXISTING UTILITY DEPTHS ARE APPROXIMATED BASED ON 4 FT COVER FROM THE EXISTING GROUND SURFACE. PROPOSED UTILITY DEPTHS ARE BASED ON 4 FT OF COVER FROM THE PROPOSED GROUND SURFACE. CONTRACTOR SHALL FIELD VERIFY ALL UTILITY DEPTHS AT CROSSING AND CONTACT ENGINEER IMMEDIATELY IF CONFLICTS ARE ENCOUNTERED.
- 3) CONTRACTOR TO FIELD VERIFY EXISTING ELEVATIONS OF UTILITIES IN PROJECT AREA OR RIGHT OF WAY TO AVOID CONFLICTS. CONTACT ENGINEER IMMEDIATELY IF FIELD ELEVATIONS DIFFER FROM THE DESIGN DRAWINGS.
- 4) MAINTAIN MINIMUM 2' OF COVER OVER METAL AND PLASTIC PIPES DURING CONSTRUCTION ACTIVITIES.



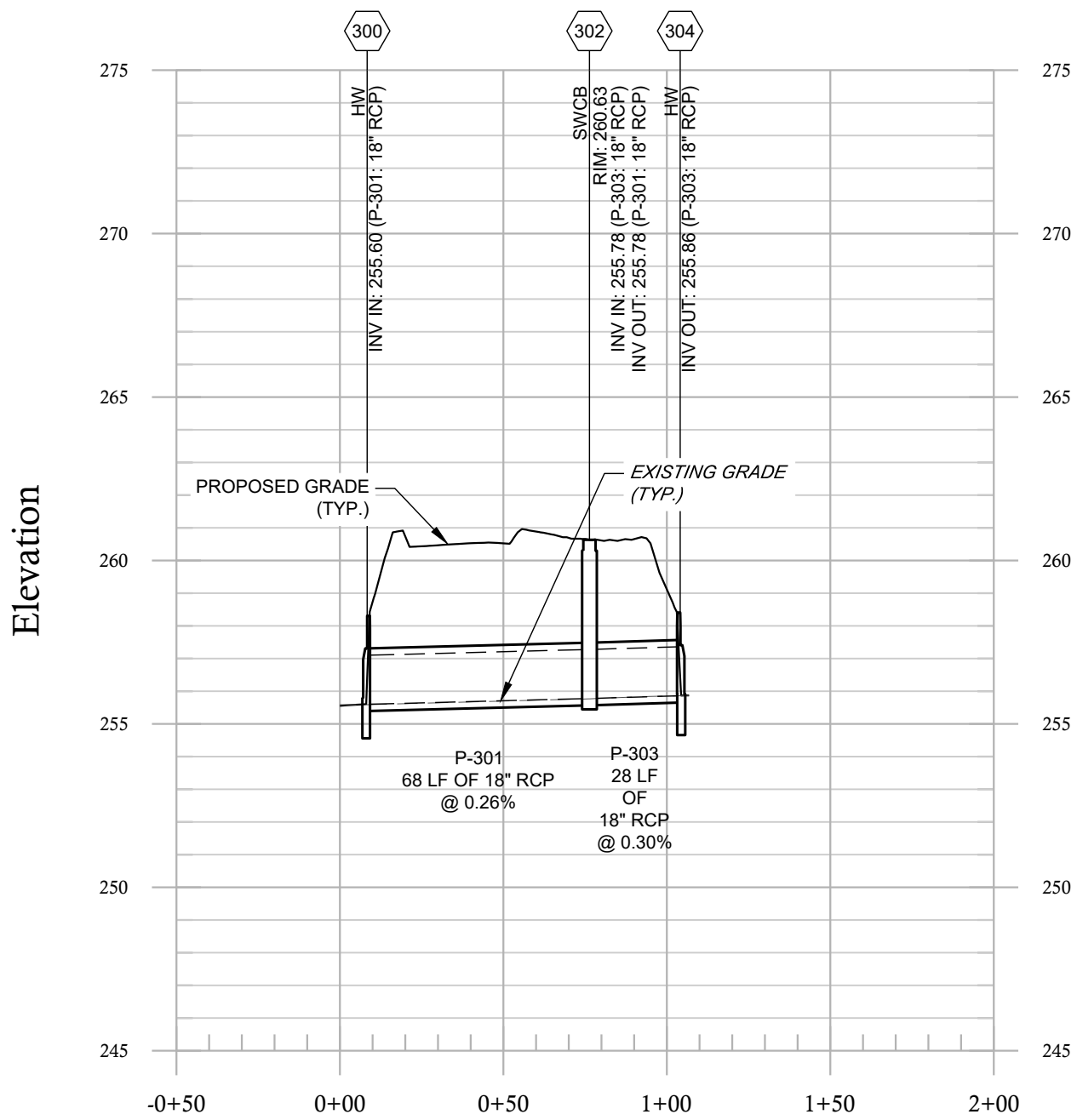
STR 100 TO STR 102
1" = 50' H, 1"=5' V



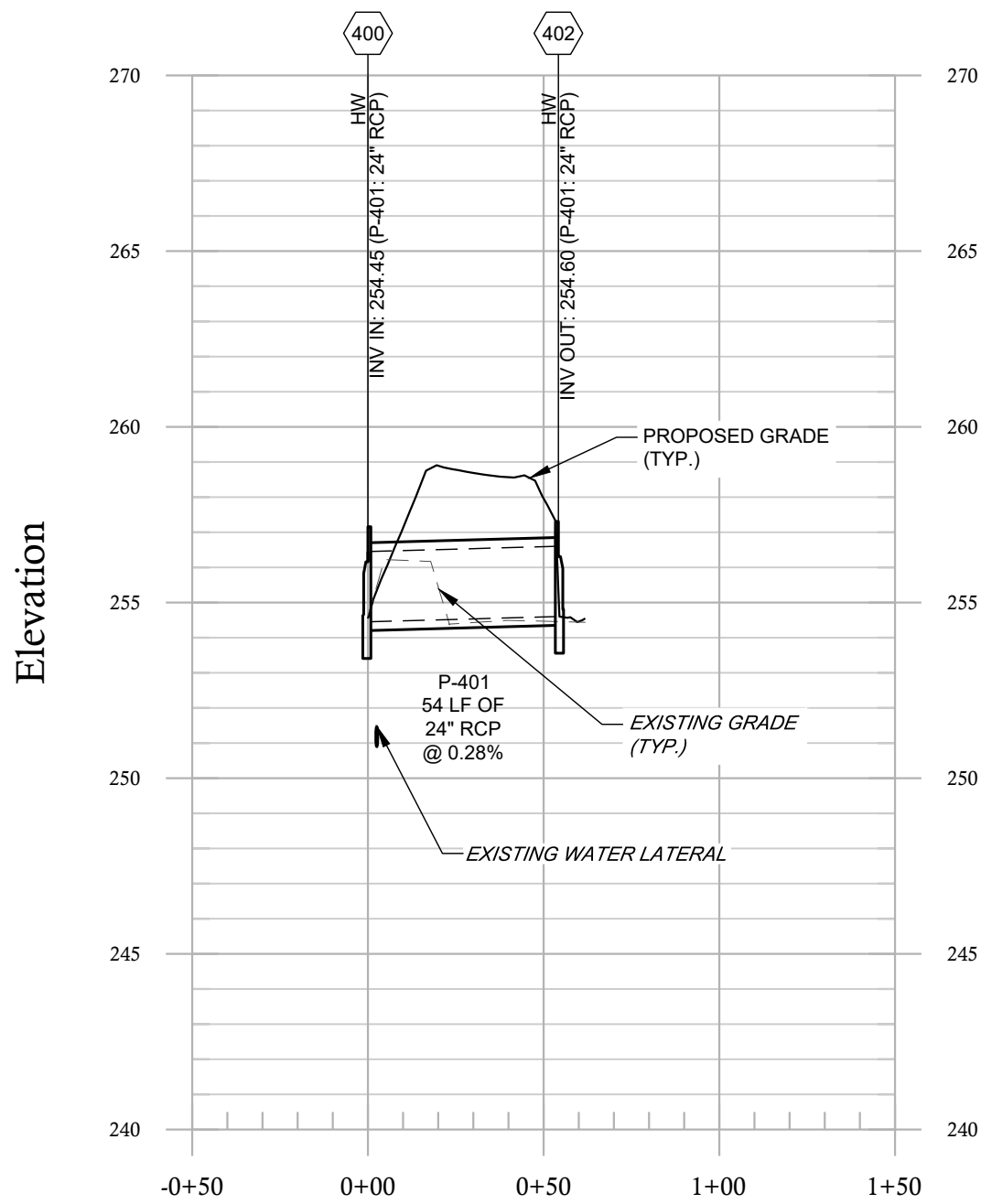
STR 200 TO STR 202
1" = 50' H, 1"=5' V



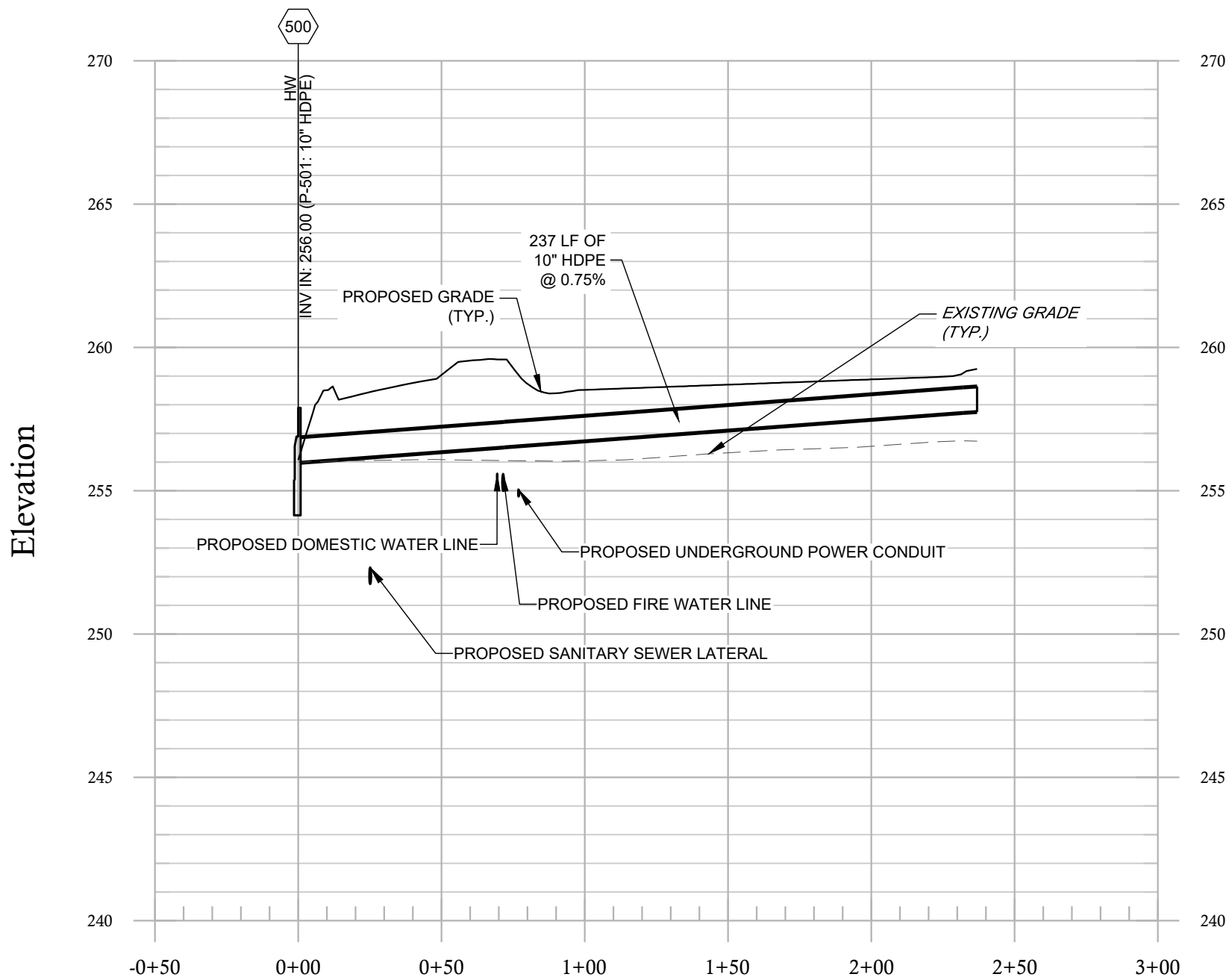
STR 300 TO STR 304
1" = 50' H, 1"=5' V



STR 400 TO STR 402
1" = 50' H, 1"=5' V



ROOF LEADER
1" = 50' H, 1"=5' V



ENGINEER:

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(214) 614-8252

CONTACT: MEAGAN VIEREN

PROJECT:

CALIBER COLLISION
RESTORING THE RHYTHM OF YOUR LIFE™

3921 S STADIUM BLVD
JONESBORO, CRAIGHEAD CO. AR 72404
SECTION 33, TOWNSHIP 14 N, RANGE 4 E
PARCEL #01-144333-00900

SEAL:

PRELIMINARY

NOT FOR CONSTRUCTION

REVISIONS DATE
CITY OF JONESBORO SUBDIVISION 2024-01-17

PROJECT MANAGER: DLS

DRAWING BY: CAH

JURISDICTION: CITY OF JONESBORO, AR

DATE: 2024-01-17

SCALE: AS SHOWN

TITLE:

STORM DRAINAGE PROFILES

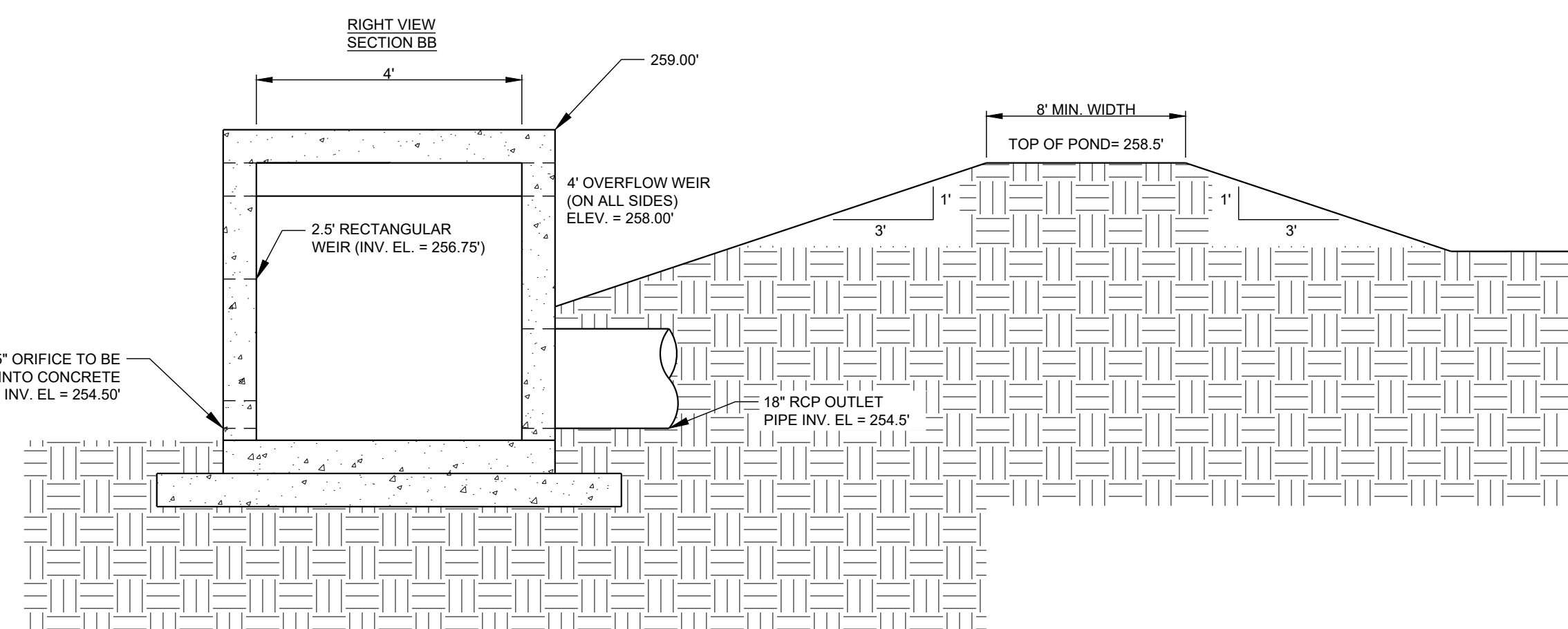
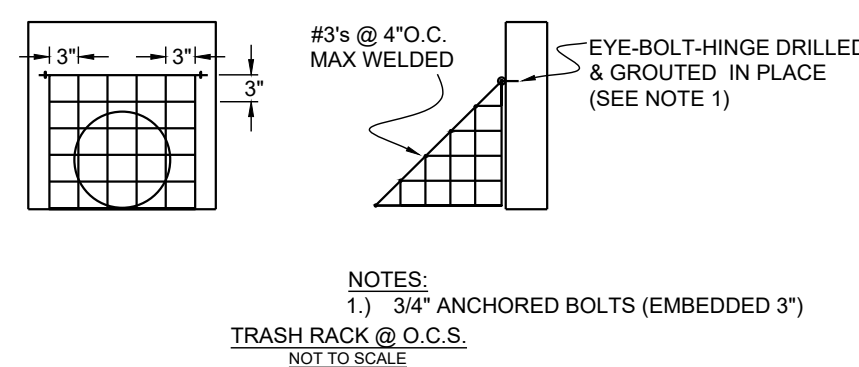
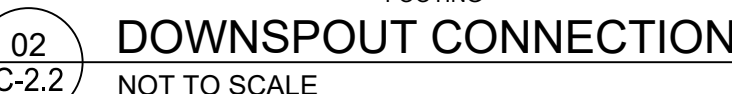
SHEET NUMBER:

C-2.1

COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1641.022

1. CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY INFORMATION OF THE CONTROL STRUCTURE TO THE ENGINEER 4 WEEKS PRIOR TO REQUESTING FINAL ACCEPTANCE. AS-BUILT INFORMATION SHOULD INCLUDE ALL RIM, INVERT, ORIFICE, WEIR, AND BOX DIMENSIONS FOR THE CONTROL STRUCTURES ALONG WITH AS-BUILT TOPOGRAPHY OF THE STORMWATER POND. THE AS-BUILT SURVEY INFORMATION SHOULD ALSO INCLUDE TO THE AS-BUILT INFORMATION FOR THE DISCHARGE PIPE FROM THE OUTLET CONTROL STRUCTURE TO WHERE IT DISCHARGES INTO THE REACH OF WAY. THE ENGINEER, OWNER, AND CONTRACTOR SHALL REVIEW AND SIGN OFF ON THE AS-BUILT INFORMATION. OWNER, ADDITIONAL ENGINEERING COSTS FOR AS-BUILT REVIEW AND STORM MODELING BY THE DETENTION SYSTEM WILL BE THE RESPONSIBILITY OF THE CONTRACTOR."



FORESITE
group



CONTACT: MEAGAN VIEREN

3921 S STADIUM BLVD
JONESBORO, CRAIGHEAD CO, AR 72404
SECTION 33, TOWNSHIP 14 N, RANGE 4 E
PARCEL #01-144333-00900

NOT FOR CONSTRUCTION

TITLE:

C-2.2

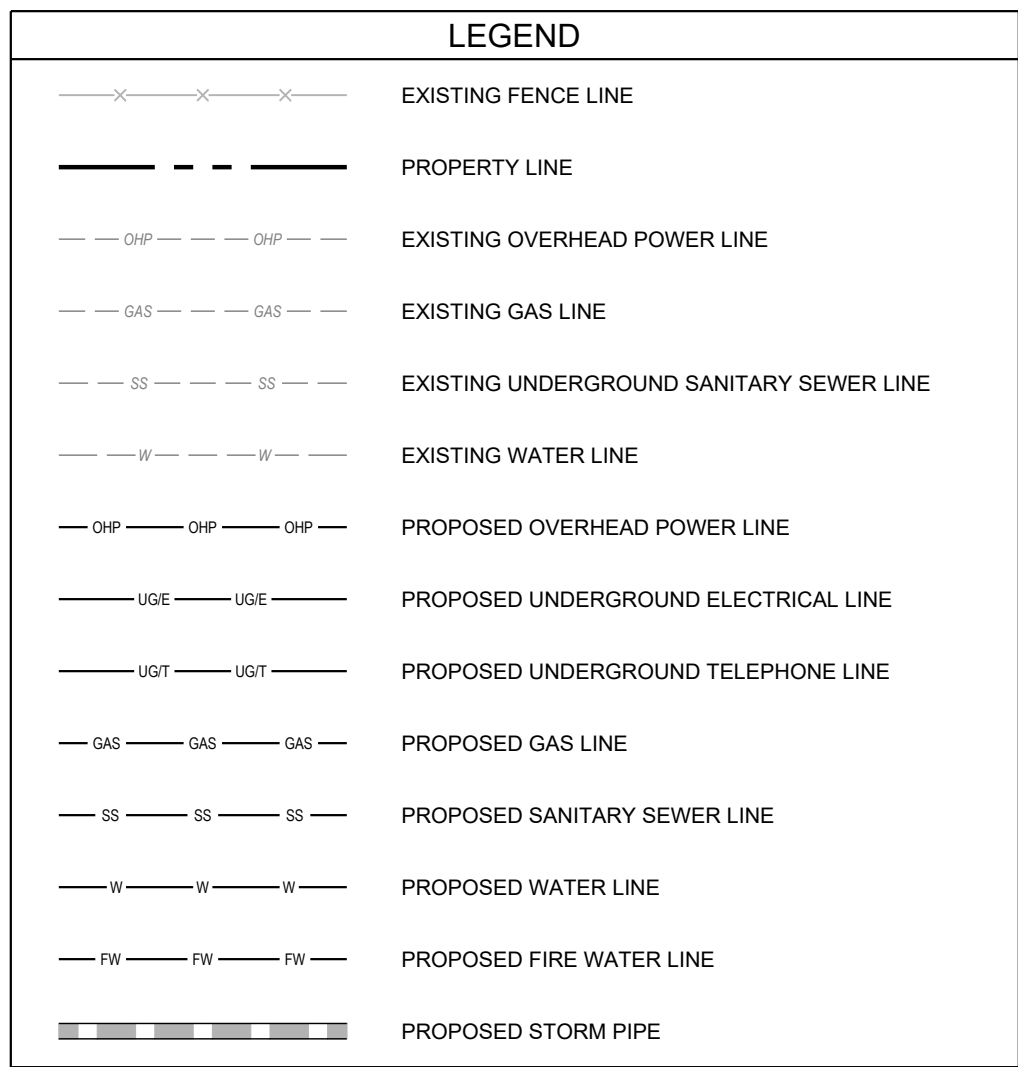
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JOB/FILE NUMBER: 1641.022

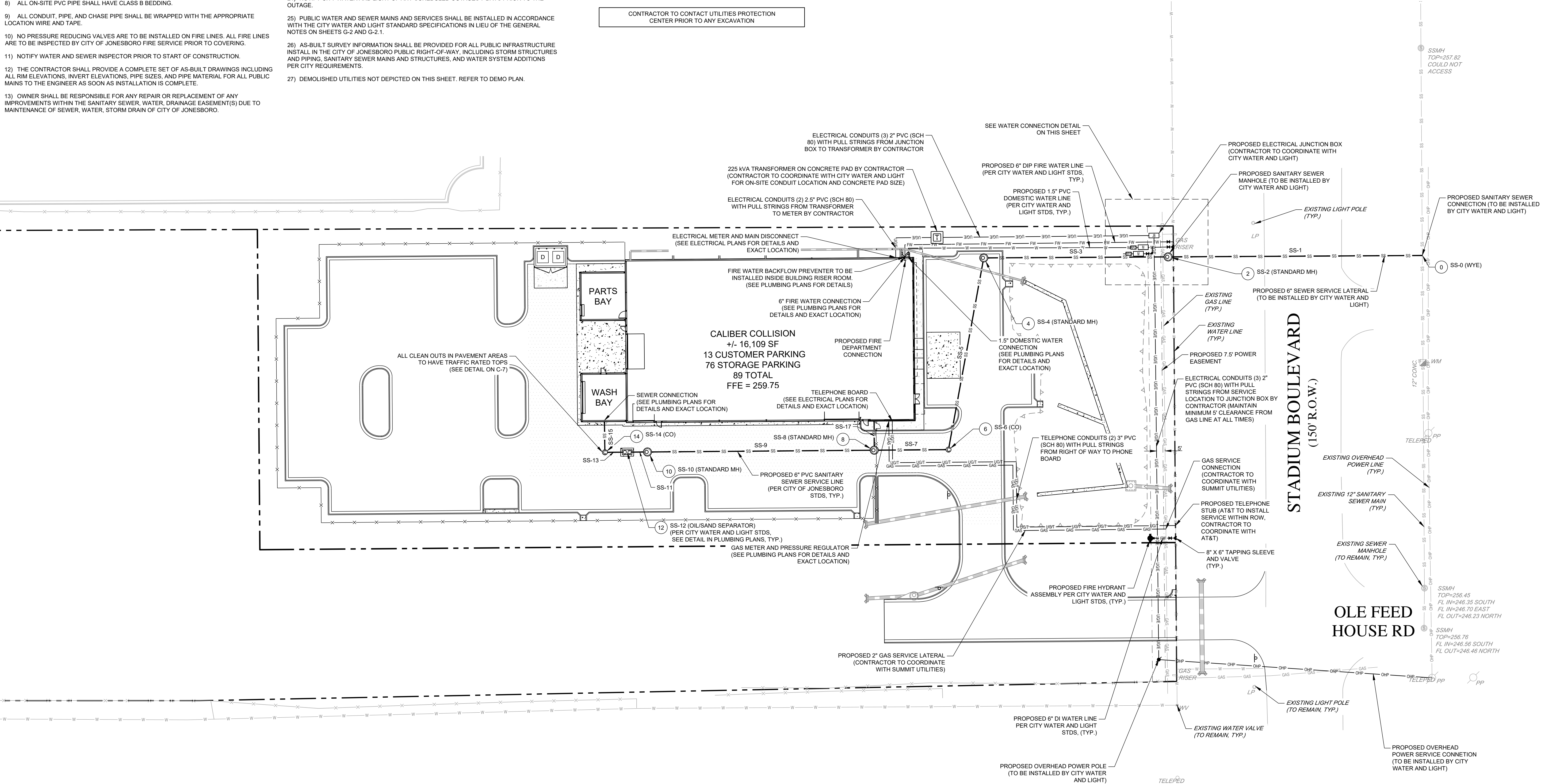
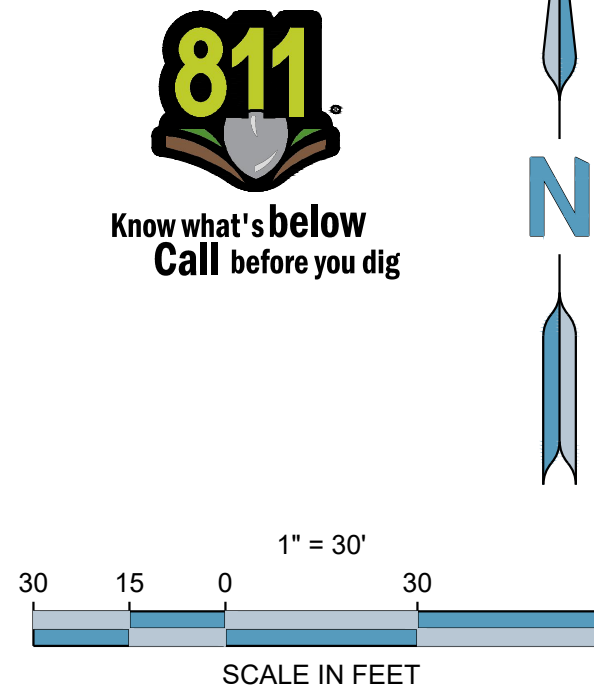
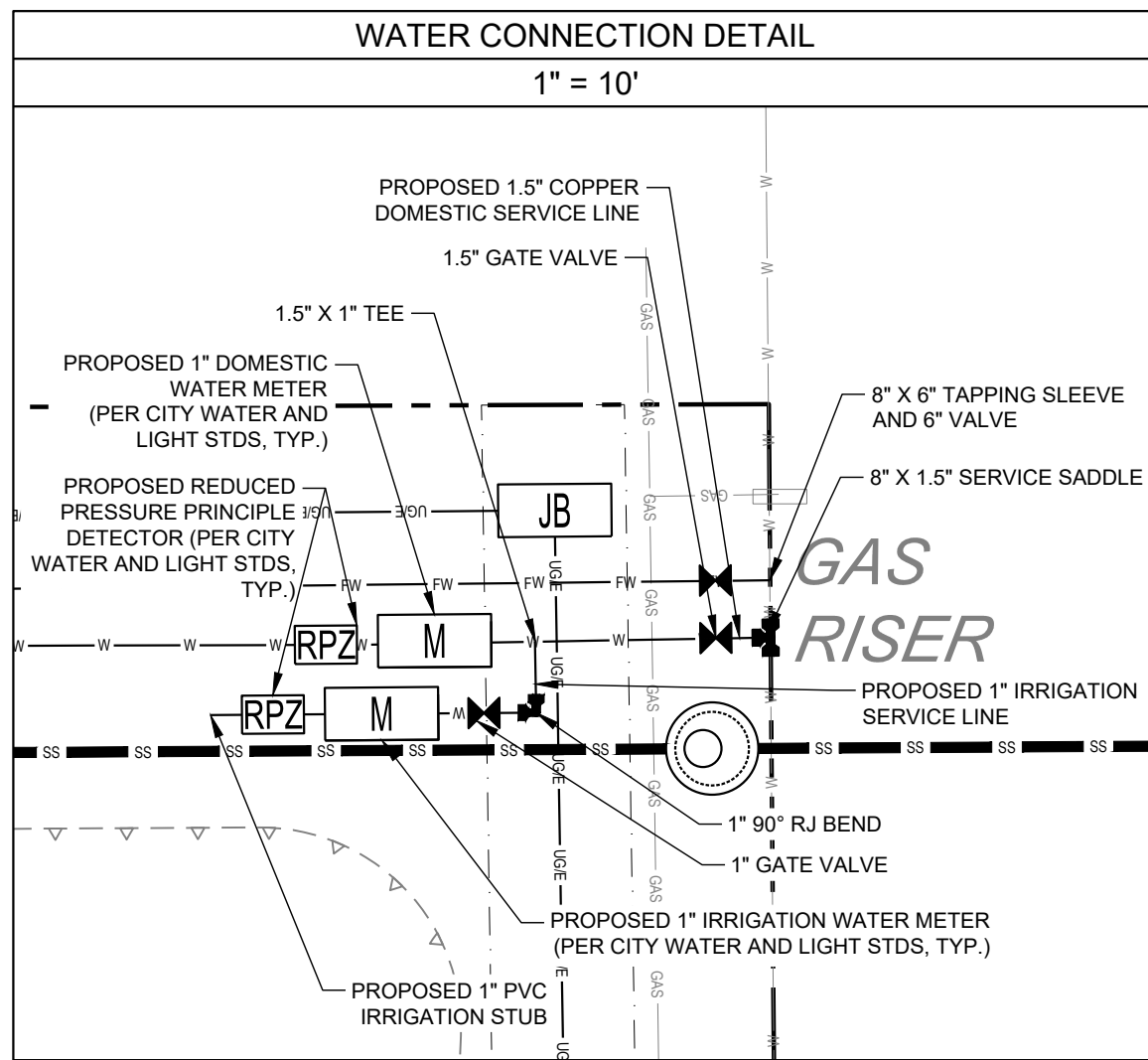
UTILITY NOTES:

- CITY WATER AND LIGHT WILL PROVIDE UNDERGROUND ELECTRICAL SERVICE FROM THE EXISTING SERVICE POLE TO THE TRANSFORMER PAD AND FROM THE TRANSFORMER TO THE PROPOSED PJ SECTIONALIZING CABINET. CONTRACTOR MUST PROVIDE THREE 2" PVC (SCH80) CONDUITS AND A PULL STRING FROM THE SECTIONALIZING CABINET TO THE PROPOSED TRANSFORMER LOCATION AND FROM THE TRANSFORMER LOCATION TO THE EXISTING SERVICE POLE. THE CONTRACTOR IS ALSO RESPONSIBLE FOR INSTALLING THREE 4" PVC (SCH40) CONDUITS AND SECONDARY WIRING FROM THE TRANSFORMER PAD TO THE PROPOSED BUILDING. THE CONTRACTOR WILL PROVIDE ALL MATERIALS AND LABOR FOR THE NEW PJ SECTIONALIZING CABINET. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE POWER SERVICE INSTALLATION AND SHALL COORDINATE WITH THE POWER COMPANY FOR FINAL UNDERGROUND CONDUIT LOCATIONS.
- SUMMIT UTILITIES WILL PERFORM THE GAS SERVICE CONNECTION. INSTALL THE CONDUIT, AND SET THE METER FOR THE BUILDING. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE SERVICE FROM THE METER INTO THE PROPOSED BUILDING. CONTRACTOR MUST COORDINATE WITH SUMMIT UTILITIES.
- CONTRACTOR MUST PROVIDE AND INSTALL TWO (2) 3" PVC CONDUITS WITH PULL STRINGS FROM THE EXISTING TELEPHONE PEDESTAL TO THE TELEPHONE BOARD IN THE BUILDING. THE CONTRACTOR MUST ALSO PROVIDE A #6 GROUND WIRE AT THE TELEPHONE BOARD FOR THE TELEPHONE COMPANY TO INSTALL A PHONE LINE.
- CONTRACTOR WILL INSTALL 1" DOMESTIC WATER METER AND IRRIGATION METER AFTER PAYMENT OF REQUIRED FEE. CITY WATER AND LIGHT WILL CONTRACTOR SHALL COMPLETE TAP ON NEW MAIN AFTER PAYMENT OF REQUIRED FEE.
- CITY WATER AND LIGHT WILL FURNISH THE DOMESTIC WATER METER AND ALL EQUIPMENT NEEDED TO TAP THE EXISTING WATER LINE. THE CONTRACTOR MUST PROVIDE AND INSTALL THE ENCLOSURE AND THE WATER SERVICE LINE FROM THE WATER METER TO THE BUILDING. CITY WATER AND LIGHT WILL PROVIDE THE METER BOX. THE CONTRACTOR SHALL PROVIDE PAYMENT TO CITY WATER AND LIGHT WHEN ACCOUNT IS SET UP.
- COORDINATE AS REQUIRED WITH CITY OF JONESBORO INSPECTIONS DURING CONSTRUCTION FOR REQUIRED INSPECTIONS.
- THIS SITE INDICATES POTABLE WATER SERVICE AND SANITARY SEWER LATERALS. ARKANSAS STATE LAW REQUIRES THIS WORK TO BE INSTALLED BY AN ARKANSAS LICENSED PLUMBER. ALL WORK MUST BE INSPECTED CITY WATER AND LIGHT CODES AND INSPECTION DEPARTMENT.
- ALL ON-SITE PVC PIPE SHALL HAVE CLASS B BEDDING.
- ALL CONDUIT, PIPE, AND CHASE PIPE SHALL BE WRAPPED WITH THE APPROPRIATE LOCATION WIRE AND TAPE.
- NO PRESSURE REDUCING VALVES ARE TO BE INSTALLED ON FIRE LINES. ALL FIRE LINES ARE TO BE INSPECTED BY CITY OF JONESBORO FIRE SERVICE PRIOR TO COVERING.
- NOTIFY WATER AND SEWER INSPECTOR PRIOR TO START OF CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF AS-BUILT DRAWINGS INCLUDING ALL RM ELEVATIONS, INVERT ELEVATIONS, PIPE SIZES, AND PIPE MATERIAL FOR ALL PUBLIC MAINS TO THE ENGINEER AS SOON AS INSTALLATION IS COMPLETE.
- OWNER SHALL BE RESPONSIBLE FOR ANY REPAIR OR REPLACEMENT OF ANY IMPROVEMENTS WITHIN THE SANITARY SEWER, WATER, DRAINAGE EASEMENT(S) DUE TO MAINTENANCE OF SEWER, WATER, STORM DRAIN OF CITY OF JONESBORO.

- CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE DOWNSTREAM SANITARY SEWER CONNECTION IN THE RIGHT OF WAY WITH CITY WATER AND LIGHT PRIOR TO THE INSTALLATION OF THE ON-SITE SERVICE LATERALS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES SHOWN ON THE PLANS BY POT HOLING THE LINES. THE CONTRACTOR SHALL HAVE THE LINES SURVEYED, INCLUDING HORIZONTAL AND VERTICAL LOCATION, AND THE SURVEYED POINTS SENT TO THE PROJECT ENGINEER TO DETERMINE IF ANY UTILITY CONFLICTS WILL AFFECT THE CURRENT SANITARY SEWER DESIGN.
- PVC WATER LINES LESS THAN 4" SHALL BE ASTM D 3034, SDR 21 WITH INTEGRALLY MOLDED BELL ENDS, ASTM D 2672. PVC WATER LINES 4" AND LARGER SHALL BE AWWA C900, RATED DR 18 (CLASS 150) WITH INTEGRALLY MOLDED BELL ENDS, ASTM D3139. DIP WATER LINES SHALL BE AWWA C151, THICKNESS CLASS 50.
- PVC SANITARY SEWER LINES SHALL BE ASTM D 3034, RATED SDR 35 WITH INTEGRALLY MOLDED BELL ENDS, ASTM D 3034, TABLE 2, WITH FACTORY SUPPLIED ELASTOMERIC GASKETS AND LUBRICANT. DIP SANITARY SEWER LINES SHALL BE ASTM A746, CLASS 50 WITH AWWA C111, RUBBER GASKET JOINT DEVICES.
- NO PERMANENT STRUCTURES MAY BE CONSTRUCTED OR PLACED ON EASEMENTS. FENCES MAY BE ERECTED PERPENDICULARLY ACROSS THE EASEMENT PROVIDED THERE IS A MINIMUM 12-FOOT WIDE ACCESS GATE INSTALLED. IF THE GATE IS TO BE LOCKED THERE MUST BE A CITY-APPROVED LOCK INSTALLED IN CONJUNCTION WITH THE OWNERS LOCK. NO TREES SHALL BE PLANTED WITHIN 10 FEET OF UTILITIES.
- ONLY CITY WATER AND LIGHT PERSONNEL ARE AUTHORIZED TO OPERATE CITY WATER AND LIGHT VALVES.
- ON-SITE SANITARY SEWER WILL BE PRIVATELY MAINTAINED.
- MEGA LUGS SHALL BE USED TO JOIN ALL FITTINGS IN LIEU OF CONCRETE THRUST BLOCKS ON PUBLIC MAIN.
- ALL DIP WATER LINES SHALL MEET AWWA C900, PRESSURE CLASS 350.
- ALL PVC SEWER PIPE SHALL CONFORM TO ASTM 3034 SDR-26 OR ASTM 2685 SCHEDULE 40 DWV. ALL DUCTILE IRON SEWER PIPE SHALL CONFORM TO ASTM A746 FOR THICKNESS CLASS 50. ALL UTILITY INSTALLATION SHALL CONFORM TO THE CITY OF JONESBORO PUBLIC WORKS MANUAL.
- ALL WATER CONSTRUCTION SHALL MEET THE CITY WATER AND LIGHT SPECIFICATIONS AND DETAILS.
- NOTIFY CITY WATER AND LIGHT OF ANY SCHEDULED OUTAGES 7 DAYS PRIOR TO THE OUTAGE.
- PUBLIC WATER AND SEWER MAINS AND SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY WATER AND LIGHT STANDARD SPECIFICATIONS IN LIEU OF THE GENERAL NOTES ON SHEETS G-2 AND G-2.1.
- AS-BUILT SURVEY INFORMATION SHALL BE PROVIDED FOR ALL PUBLIC INFRASTRUCTURE INSTALL IN THE CITY OF JONESBORO PUBLIC RIGHT-OF-WAY, INCLUDING STORM STRUCTURES AND PIPING, SANITARY SEWER MAINS AND STRUCTURES, AND WATER SYSTEM ADDITIONS PER CITY REQUIREMENTS.
- DEMOLISHED UTILITIES NOT DEPICTED ON THIS SHEET. REFER TO DEMO PLAN.



CONTRACTOR TO CONTACT UTILITIES PROTECTION CENTER PRIOR TO ANY EXCAVATION



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DEVELOPER:

CROSS development

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(214) 614-8252

CONTACT:

MEAGAN VIEREN

CALIBER COLLISION

RESTORING THE RHYTHM OF YOUR LIFE

3921 S STADIUM BLVD
JONESBORO, CRAIGHEAD CO, AR 72404
SECTION 33, TOWNSHIP 14 N, RANGE 4 E

PROJECT:

SEAL:

PRELIMINARY
NOT FOR CONSTRUCTION

REVISIONS DATE

CITY OF JONESBORO SUBDIVISION 2024-01-17

PROJECT MANAGER: DLS

DRAWING BY: CAH

JURISDICTION: CITY OF JONESBORO, AR

DATE: 2024-01-17

SCALE: 1" = 30'

TITLE:

UTILITIES PLAN

SHEET NUMBER:

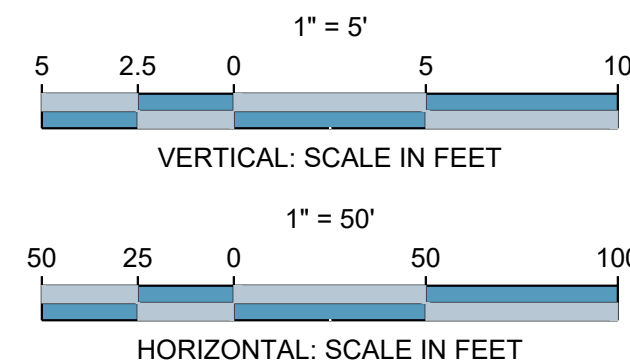
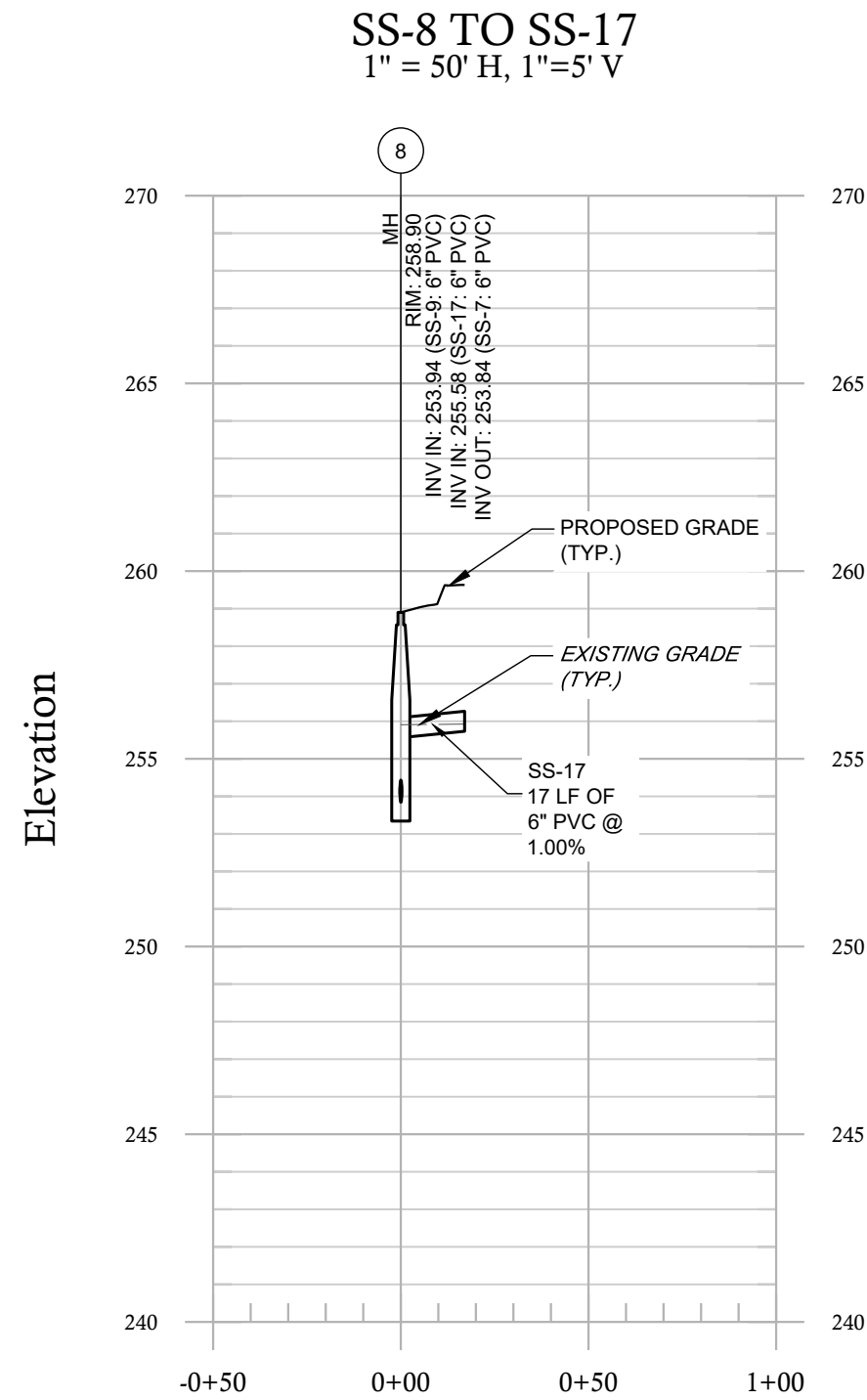
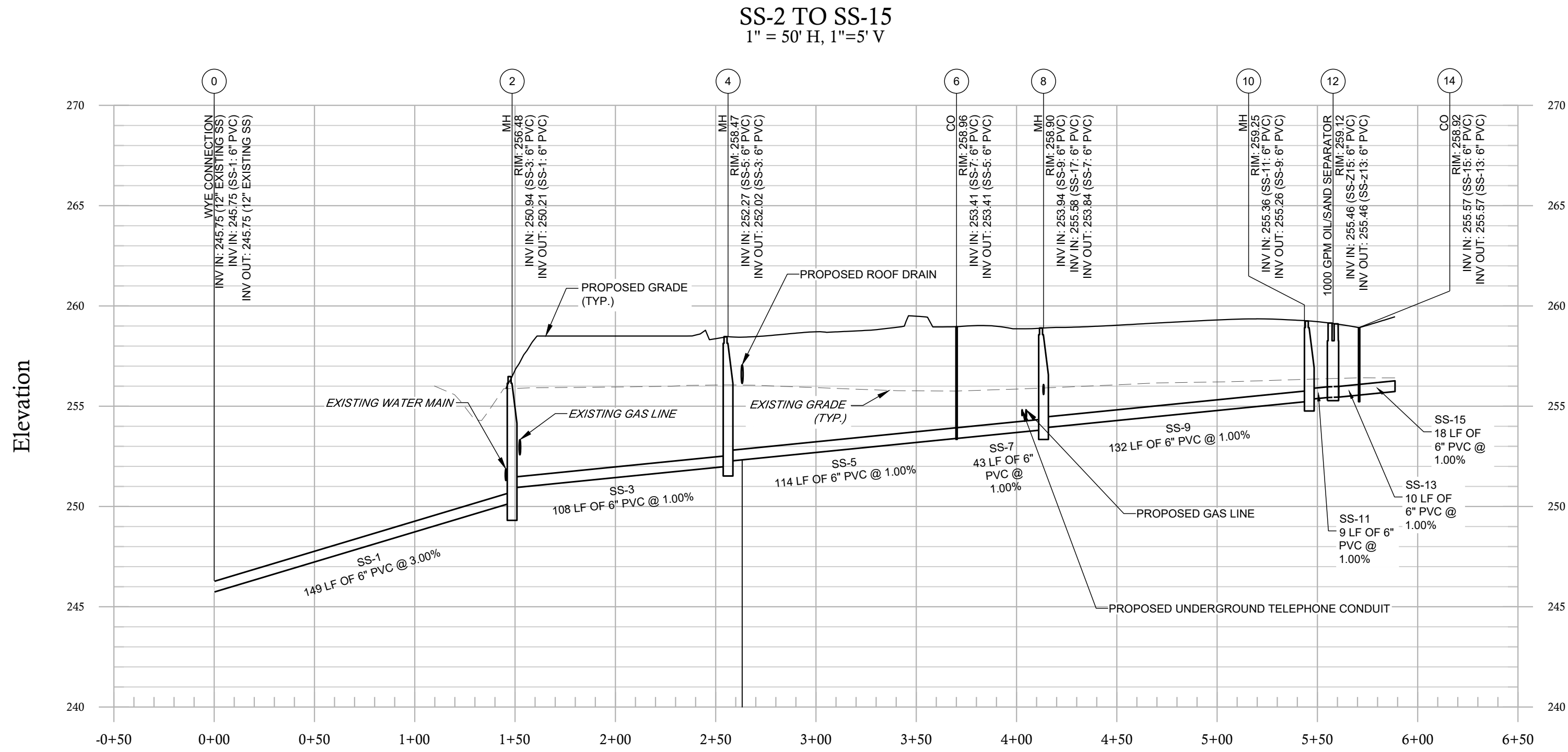
C-3

COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1641.022

GENERAL NOTES:

- 1) PIPE LENGTHS REFLECT THE PIPE'S LINEAR LENGTH AND ARE SHOWN FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
- 2) EXISTING UTILITY DEPTHS ARE APPROXIMATED BASED ON 4 FT COVER FROM THE EXISTING GROUND SURFACE. PROPOSED UTILITY DEPTHS ARE BASED ON 4 FT OF COVER FROM THE PROPOSED GROUND SURFACE. CONTRACTOR SHALL FIELD VERIFY ALL UTILITY DEPTHS AT CROSSING AND CONTACT ENGINEER IMMEDIATELY IF CONFLICTS ARE ENCOUNTERED.
- 3) CONTRACTOR TO FIELD VERIFY EXISTING ELEVATIONS OF UTILITIES IN PROJECT AREA OR RIGHT OF WAY TO AVOID CONFLICTS. CONTACT ENGINEER IMMEDIATELY IF FIELD ELEVATIONS DIFFER FROM THE DESIGN DRAWINGS.



ENGINEER:

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CONTACT: MEAGAN VIEREN

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SECTION 33, TOWNSHIP 14 N, RANGE 4 E

SEAL:

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REVISIONS DATE

CITY OF JONESBORO SUBDIVISION 2024-01-17

PROJECT MANAGER: DLS

DRAWING BY: CAH

JURISDICTION: CITY OF JONESBORO, AR

DATE: 2024-01-17

SCALE: AS SHOWN

TITLE:

SANITARY SEWER PROFILES

SHEET NUMBER:

C-3.1

COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1641.022

GENERAL NOTES:

- 1) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN QUALIFIED PROFESSIONAL ADVICE WHEN QUESTIONS ARISE CONCERNING DESIGN AND EFFECTIVENESS OF EROSION CONTROL DEVICES. 24 HR CONTACT: **NATHAN SPENCE, P.E. (205) 397-0370** FORESITE GROUP, LLC.
- 2) THE CONTRACTOR IS RESPONSIBLE FOR MEETING THE REQUIREMENTS OF THE ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ). CONTRACTOR IS FULLY RESPONSIBLE FOR MEETING THE FOLLOWING REQUIREMENTS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
- A. DUTY TO MITIGATE ADVERSE IMPACTS
- B. DISCHARGES CANNOT VIOLATE WATER QUALITY STANDARDS
- C. CONSTRUCTION BEST MANAGEMENT PRACTICES (CBMP) MAINTAINED ON SITE BY A QUALIFIED CREDENTIALLED PROFESSIONAL (QC OR QCP).
- D. EFFECTIVE EROSION AND SEDIMENT CONTROL MEASURES IMPLEMENTED AT ALL TIMES
- E. REGULAR COMPREHENSIVE INSPECTIONS OF SITE AND DOWNSTREAM CHANNEL
- F. COPIES OF INSPECTION REPORTS MAINTAINED
- G. DETAILED LOGS MAINTAINED
- H. SPILL AND CHEMICAL CONTROLS IMPLEMENTED- STORM WATER POLLUTION CONTROL PLAN AND MATERIAL SAFETY DATA SHEETS.
- I. CANNOT DISCHARGE OTHER POLLUTANTS OR WASTES
- J. THE NOTICE OF INTENT ID AND A RAIN GAUGE SHALL BE INSTALLED AND VISIBLE ON-SITE FROM THE RIGHT OF WAY.
- 3) THE PROFESSIONAL WHO SEALS THIS PLAN CERTIFIES UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY THE PROFESSIONAL OR THE PROFESSIONAL'S AUTHORIZED AGENT, UNDER THE PROFESSIONAL'S DIRECT SUPERVISION.
- 4) ALL CONSTRUCTION SHALL COMPLY WITH THE SPECIFICATIONS AND PROCEDURES DETAILED IN THE CURRENT DEVELOPMENT REGULATIONS OF CITY OF JONESBORO AND THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN ARKANSAS.

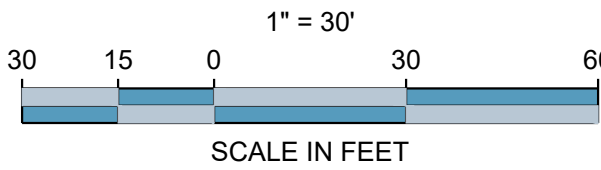
- 5) THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL TAKE PLACE PRIOR TO OR CONCURRENT WITH ALL LAND DISTURBING ACTIVITIES THROUGHOUT THE ENTIRE PROJECT
- 6) EROSION AND SEDIMENT CONTROL MEASURES SPECIFIED ON PLAN SHEETS C-4, C-4.1, AND C-4.2 MUST BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE. UPDATES MADE TO THE CBMP BY THE CONTRACTOR OR QUALIFIED PROFESSIONAL WILL BE NOTED IN THE CBMP AMENDMENT LOG. UPDATES ARE TO BE MADE WITHIN 5 DAYS AFTER RECEIVING NOTICE.
- 7) THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SPECIFIED ON PLAN SHEETS C-4, C-4.1, AND C-4.2 PRIOR TO ALL LAND DISTURBING ACTIVITIES THROUGHOUT THE ENTIRE PROJECT.
- 8) MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE PERMITTEE.
- 9) EROSION CONTROL DEVICES THAT ARE INSTALLED AS DIRECTED BY THE LAND DEVELOPMENT INSPECTOR BUT NOT SHOWN ON THE APPROVED PLAN AND WHICH ALSO SUBSEQUENTLY FAIL, ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- 10) PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE. ANY MUD, DIRT, OR ROCK TRACKED FROM THE SITE WILL BE CLEANED AS NECESSARY. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE SHALL BE COVERED WITH A TARPAILIN.
- 11) PRIOR TO COMMENCING LAND DISTURBING ACTIVITY, THE LIMITS OF DISTURBANCE SHALL BE CLEARLY AND ACCURATELY MARKED WITH STAKES, RIBBON OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
- 12) IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXITS, ALL PERIMETER EROSION CONTROL SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.

- 13) ANY SEDIMENT THAT ESCAPES THE SITE MUST BE IMMEDIATELY REMOVED AND PERMANENTLY STABILIZED ONSITE. REPLACEMENT OR REPAIRS TO ANY DEFECTIVE PORTION OF SILT FENCE MUST BE MADE IMMEDIATELY TO PREVENT FURTHER ESCAPE OF SEDIMENT.
- 14) SEDIMENT STORAGE INDICATORS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES, INDICATING THE 1/3 FULL VOLUME. A STAKE WITH MEASUREMENT MARKINGS THAT INDICATE THE 1/3 VOLUME IS AN ACCEPTABLE SEDIMENT STORAGE INDICATOR.
- 15) THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE ACCUMULATED SILT IS ONE-THIRD (1/3) FULL FOR ALL EROSION & SEDIMENT CONTROL STRUCTURES. BASED ON THE AMOUNT OF SEDIMENT AND THE SIZE OF THE CONTROL MEASURE, SEDIMENT WILL BE REMOVED WITH A SHOVEL OR ONSITE EQUIPMENT TO MAINTAIN BMPs. THE SEDIMENT THAT IS REMOVED MUST BE PERMANENTLY STABILIZED.
- 16) ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION IS COMPLETE.
- 17) SILT BARRIERS SHALL BE PLACED AS SHOWN AND/OR AS DIRECTED BY THE PROJECT ENGINEER AND/OR COUNTY INSPECTORS.
- 18) ALL FILL SLOPES SHALL HAVE SILT FENCE PLACED AT THE SLOPE'S TOE.
- 19) SEDIMENT MUST BE PREVENTED FROM ENTERING STORM INLETS BY USING THE SPECIFIED INLET PROTECTION ON SHEETS C-4, C-4.1, AND C-4.2. IF SEDIMENT ENTERS STORM DRAINAGE STRUCTURES AND PIPES, THE CONTRACTOR MUST REMOVE THE ACCUMULATED SEDIMENT IMMEDIATELY AND IT MUST BE PERMANENTLY STABILIZED.
- 20) ALL DRAINAGE STRUCTURES SHALL HAVE RING AND COVER ACCESS.
- 21) DUST WILL BE CONTROLLED BY SPRINKLING WATER ON DISTURBED AREAS PER THE ARKANSAS EROSION AND SEDIMENT CONTROL DESIGN AND CONSTRUCTION MANUAL.
- 22) SEDIMENT TRACKED INTO THE STREET MUST BE REMOVED BY THE CONTRACTOR. A SQUARE-ENDED SHOVEL AND BROOM WILL BE USED TO REMOVE SEDIMENT FROM STREETS. SEDIMENT IN THE STREET SHOULD NOT BE WASHED INTO STORM INLETS UNDER ANY CIRCUMSTANCES. PERMANENTLY STABILIZE ANY SEDIMENT REMOVED FROM STREET.
- 23) TOPSOIL SHALL BE STOCKPILED AND USED TO DRESS FINAL GRADES.

- 24) ALL TEMPORARY AND PERMANENT SEEDING MUST BE PERFORMED AT THE APPROPRIATE SEASON. ADDITIONAL PLANTINGS WILL BE NECESSARY IF A SUFFICIENT STAND OF GRASS FAILS TO GROW.
- 25) CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EROSION CONTROL MEASURES UNTIL CONSTRUCTION IS COMPLETE AND PERMANENT VEGETATION HAS BEEN ESTABLISHED.
- 26) PERMITTEES ARE RESPONSIBLE FOR RETURNING AREAS DISTURBED TO THE CONDITION PRIOR TO DISTURBANCE (TO INCLUDE SEEDING, MULCHING, AND SOODING ALL DISTURBED AREAS.
- 27) A PORTION OF THE SUBJECT PROPERTY LIES WITHIN A 100 YEAR FLOOD HAZARD AREA PER FIRM MAP NUMBER 05031C0134C DATED 1991-09-27.
- 28) APPROVAL OF THESE PLANS DOES NOT CONSTITUTE APPROVAL BY CITY OF JONESBORO OR ADEQ OF ANY LAND DISTURBING ACTIVITIES WITHIN WETLAND AREAS AND/OR WHICH MAY IMPACT ENDANGERED SPECIES. IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO CONTACT THE APPROPRIATE REGULATORY AGENCY FOR APPROVAL OF ANY DISTURBANCE WHICH MAY HAVE THIS EFFECT.
- 29) DETENTION POND, DETENTION OUTLET STRUCTURES AND TEMPORARY SEDIMENT POND FEATURES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION.
- 30) ALL OPEN DRAINAGE SWALES MUST BE GRASSED AND RIP-RAP PLACED AS REQUIRED TO PREVENT EROSION.
- 31) MAXIMUM SLOPES ON CUT OR FILL SECTIONS SHALL NOT EXCEED 3H:1V. CONCENTRATED FLOW AREAS AND ALL SLOPES STEEPER THAN 3H:1V WITH A HEIGHT OF TEN FEET OR GREATER SHALL BE STABILIZED WITH EROSION CONTROL MATTING AS SPECIFIED ON THE PLAN.
- 32) THE SITE WILL USE TEMPORARY SEDIMENT BASINS, WATTLES, EXCAVATED INLET TRAPS, PROPOSED STORMWATER STRUCTURES AND PIPES, RIP-RAP, AND THE PROPOSED DETENTION FACILITY TO CONTROL STORM WATER VOLUME AND VELOCITY ON SITE DURING CONSTRUCTION.

SOIL TYPE	
8	CALHOUN SILT LOAM
21	FALAYA SILT LOAM 0% TO 1% SLOPES, OCCASIONALLY FLOODED, BRIEF DURATION

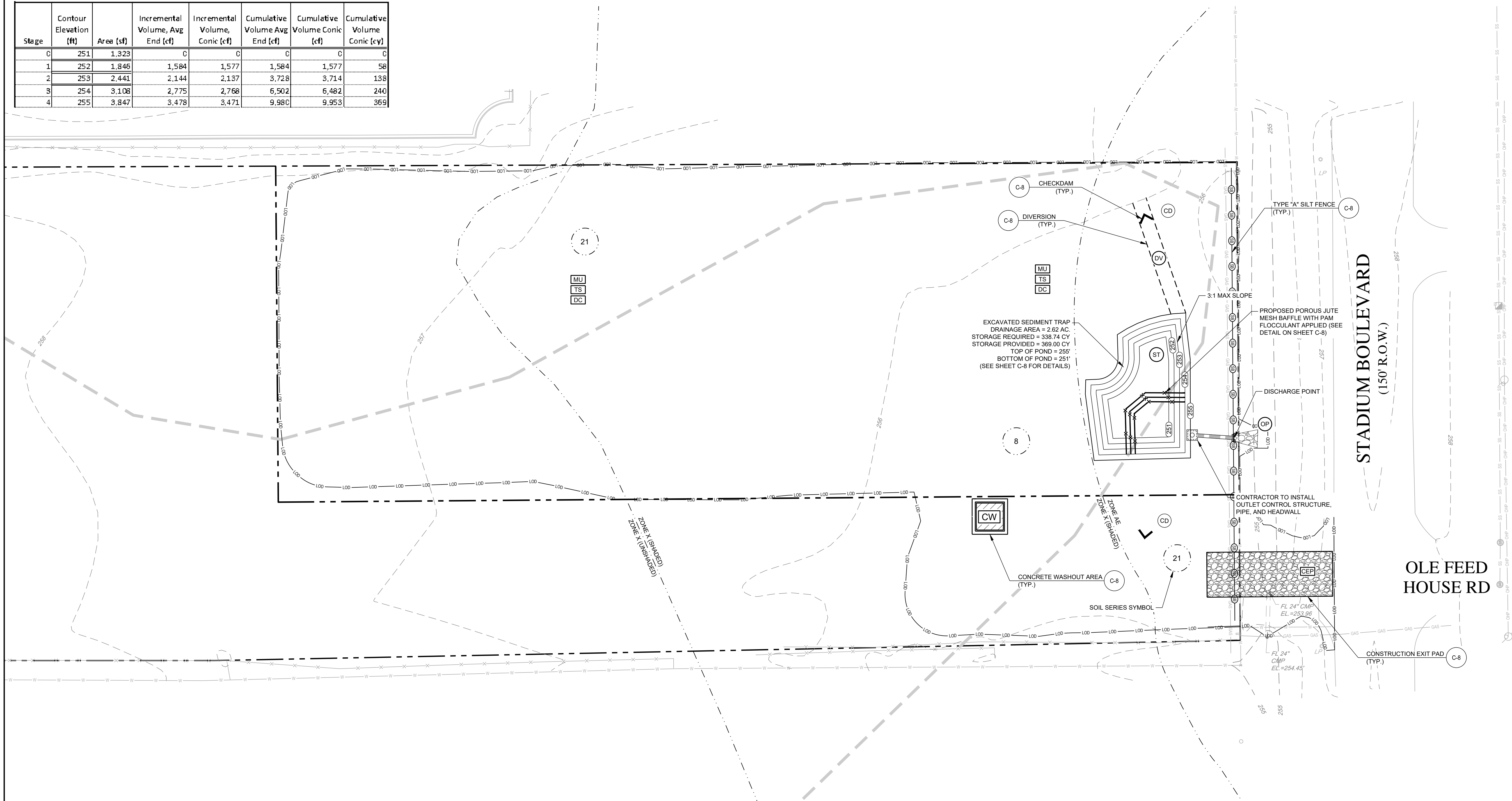
SITE DATA	
TOTAL SITE AREA =	7.73 AC.
TOTAL DISTURBED AREA =	2.62 AC.
TOTAL STORAGE REQUIRED =	338.74 CY.
TOTAL STORAGE PROVIDED =	369.00 CY.



EROSION AND SEDIMENT CONTROL LEGEND			
CODE	PRACTICE	DETAIL	MAP SYMBOL
CEP	CONSTRUCTION EXIT PAD		CEP
DV	DIVERSION		---
ST	TEMPORARY SEDIMENT TRAP		ST
MU	MULCHING		MU
TS	TEMPORARY SEEDING		TS
DC	DUST CONTROL ON DISTURBED AREAS		DC
CW	CONCRETE WASHOUT AREA		CW
OP	STORM DRAIN OUTLET PROTECTION		OP
CD	CHECKDAM		✓
	LIMITS OF DISTURBANCE	N/A	---
	SOIL DELINEATION LINE	N/A	---
	SEDIMENT BARRIER		TYPE "A" SILT FENCE

STAGE STORAGE TABLE

Stage	Contour Elevation (ft)	Area (sf)	Incremental Volume, Avg End (cf)	Incremental Volume, Conic (cf)	Cumulative Volume Avg End (cf)	Cumulative Volume Conic (cf)	Cumulative Volume Conic (cy)
0	251	1,323	0	0	0	0	0
1	252	1,846	1,584	1,577	1,584	1,577	58
2	253	2,441	2,144	2,137	3,728	3,714	138
3	254	3,108	2,775	2,768	6,503	6,482	240
4	255	3,847	3,478	3,471	9,980	9,953	369



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(214) 614-8252

CONTACT: MEAGAN VIEREN

PROJECT:

CALIBER COLLISION
RESTORING THE RHYTHM OF YOUR LIFE™

3921 S STADIUM BLVD
JONESBORO, CRAIGHEAD CO. AR 72404
SECTION 33, TOWNSHIP 14 N, RANGE 4 E

SEAL:

PRELIMINARY
NOT FOR CONSTRUCTION

REVISIONS DATE
CITY OF JONESBORO SUBDIVISION 2024-01-17

PROJECT MANAGER: DLS
DRAWING BY: CAH
JURISDICTION: CITY OF JONESBORO, AR
DATE: 2024-01-17
SCALE: 1" = 30'
TITLE:

INITIAL EROSION CONTROL
PLAN

SHEET NUMBER:

C-4

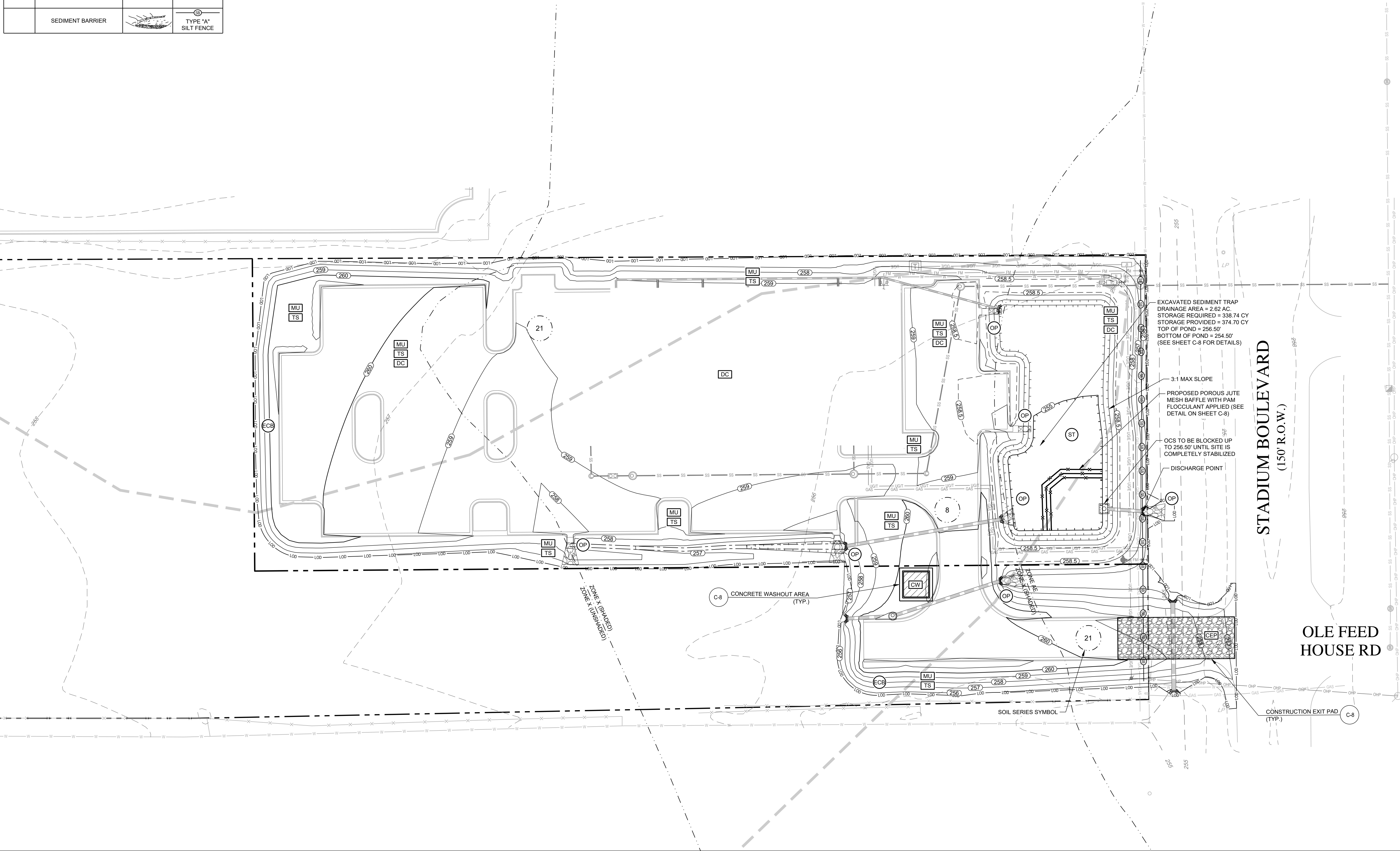
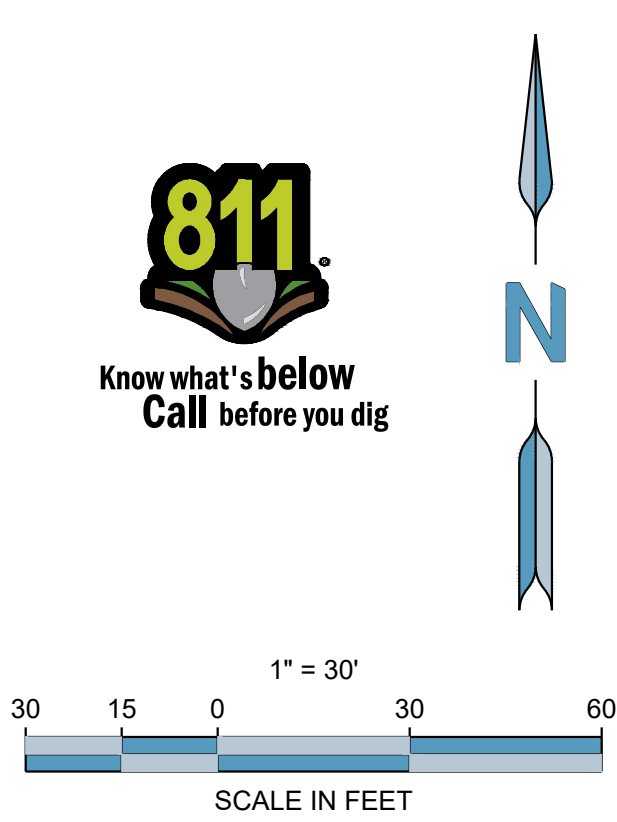
COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1641.022

EROSION AND SEDIMENT CONTROL LEGEND			
CODE	PRACTICE	DETAIL	MAP SYMBOL
CEP	CONSTRUCTION EXIT PAD		
CW	CONCRETE WASHOUT AREA		
ECB	EROSION CONTROL BLANKETS		
OP	STORM DRAIN OUTLET PROTECTION		
ST	TEMPORARY SEDIMENT TRAP		
MU	MULCHING		
TS	TEMPORARY SEEDING		
DC	DUST CONTROL ON DISTURBED AREAS		
	LIMITS OF DISTURBANCE	N/A	--- L00 ---
	SEDIMENT BARRIER		⊙ TYPE "A" SILT FENCE

SOIL TYPE		
8	CALHOUN SILT LOAM	
21	FALAYA SILT LOAM, 0% TO 1% SLOPES, OCCASIONALLY FLOODED, BRIEF DURATION	
SITE DATA		
TOTAL SITE AREA =	7.73	AC.
TOTAL DISTURBED AREA =	2.62	AC.
TOTAL STORAGE REQUIRED =	338.74	CY.
TOTAL STORAGE PROVIDED =	1100.00	CY.

STAGE STORAGE TABLE						
Stage	Contour Elevation (ft)	Area (sf)	Incremental Volume, Avg End (cf)	Incremental Volume, Conic (cf)	Cumulative Volume Avg End (cf)	Cumulative Volume Conic (cf)
0	254.5	0	0	0	0	0
0.5	255	3,780	945	630	945	630
1.5	256	7,549	5,665	5,557	6,610	6,187
2	256.5	8,174	3,931	3,930	10,540	10,117
2.5	257	8,812	8,181	8,172	14,790	14,359



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PROJECT:
CALIBER COLLISION
RESTORING THE RHYTHM OF YOUR LIFE
3921 S STADIUM BLVD
JONESBORO, CRAIGHEAD CO, AR 72404
SECTION 33, TOWNSHIP 14 N, RANGE 4 E

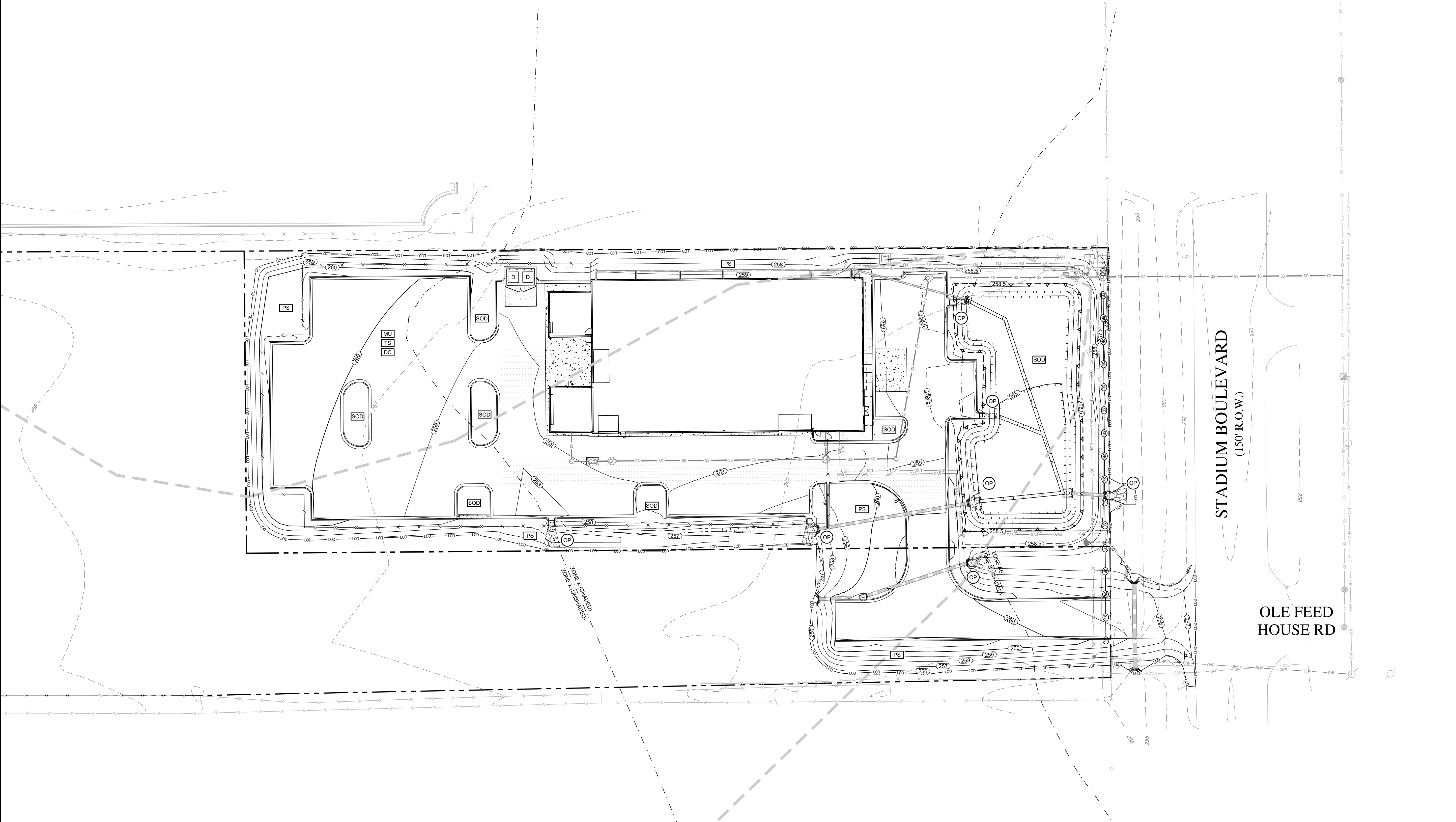
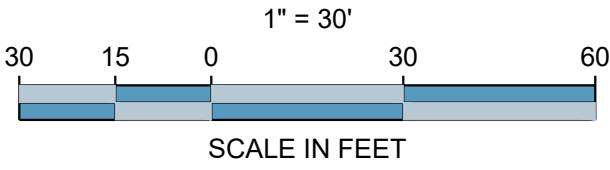
SEAL:
PRELIMINARY
NOT FOR CONSTRUCTION

REVISIONS	DATE
CITY OF JONESBORO SUBDIVISION	2024-01-17
PROJECT MANAGER:	DLS
DRAWING BY:	CAH
JURISDICTION:	CITY OF JONESBORO, AR
DATE:	2024-01-17
SCALE:	1" = 30'
TITLE:	

INTERMEDIATE EROSION
CONTROL PLAN
SHEET NUMBER:
C-4.1
COMMENTS: NOT RELEASED FOR CONSTRUCTION
JOB/FILE NUMBER: 1641.022

EROSION AND SEDIMENT CONTROL LEGEND			
CODE	PRACTICE	DETAIL	MAP SYMBOL
OP	STORM DRAIN OUTLET PROTECTION		OP
PS	PERMANENT VEGETATION		PS
SOD	SODDING		SOD
	LIMITS OF DISTURBANCE	N/A	— 100 —
	SOIL DELINEATION LINE	N/A	— — —
	SEDIMENT BARRIER		⊙ TYPE "A" SILT FENCE

SOIL TYPE	
8	CALHOUN SILT LOAM
21	FALAYA SILT LOAM, 0% TO 1% SLOPES, OCCASIONALLY FLOODED, BRIEF DURATION
SITE DATA	
TOTAL SITE AREA =	7.73 AC.
TOTAL DISTURBED AREA =	2.62 AC.
TOTAL STORAGE REQUIRED =	338.74 CY.
TOTAL STORAGE PROVIDED =	1100.00 CY.



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PROJECT:

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SECTION 33, TOWNSHIP 14 N, RANGE 4 E

SEAL:

PRELIMINARY
NOT FOR CONSTRUCTION

REVISIONS	DATE
CITY OF JONESBORO SUBDIVISION	2024-01-17
PROJECT MANAGER:	DLS
DRAWING BY:	CAH
JURISDICTION:	CITY OF JONESBORO, AR
DATE:	2024-01-17
SCALE:	1" = 30'
TITLE:	

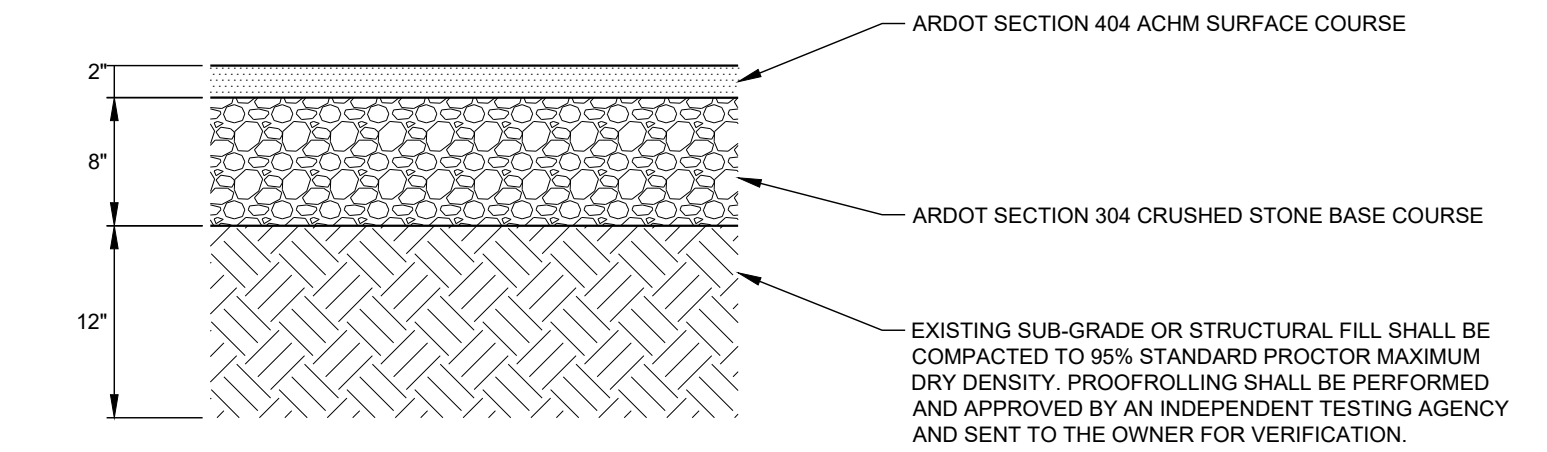
FINAL EROSION CONTROL
PLAN

SHEET NUMBER:

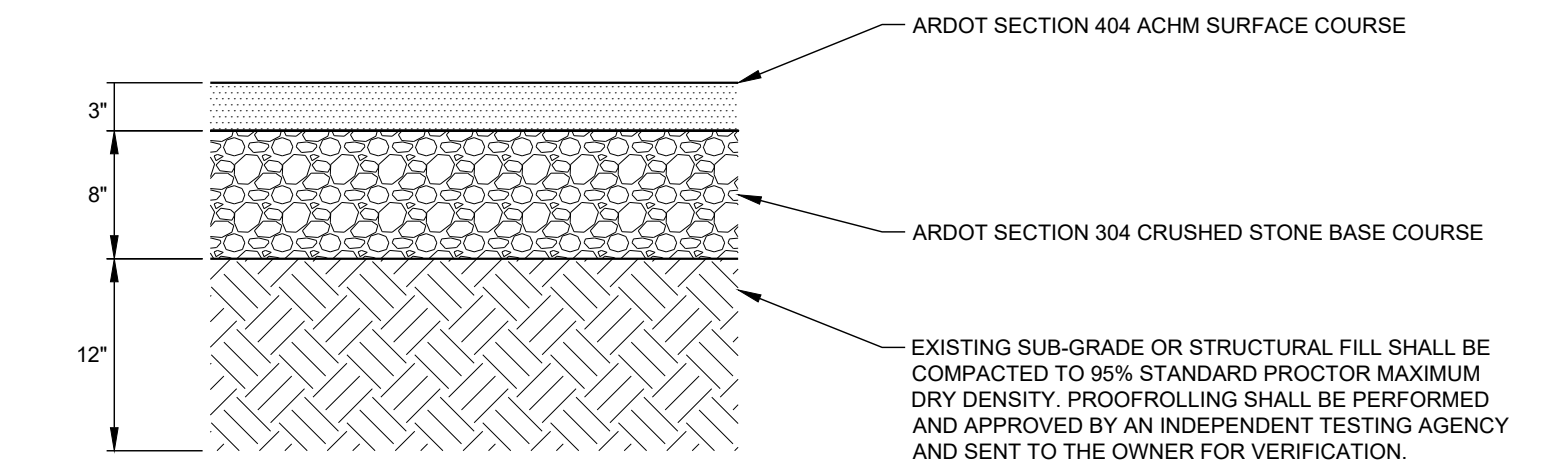
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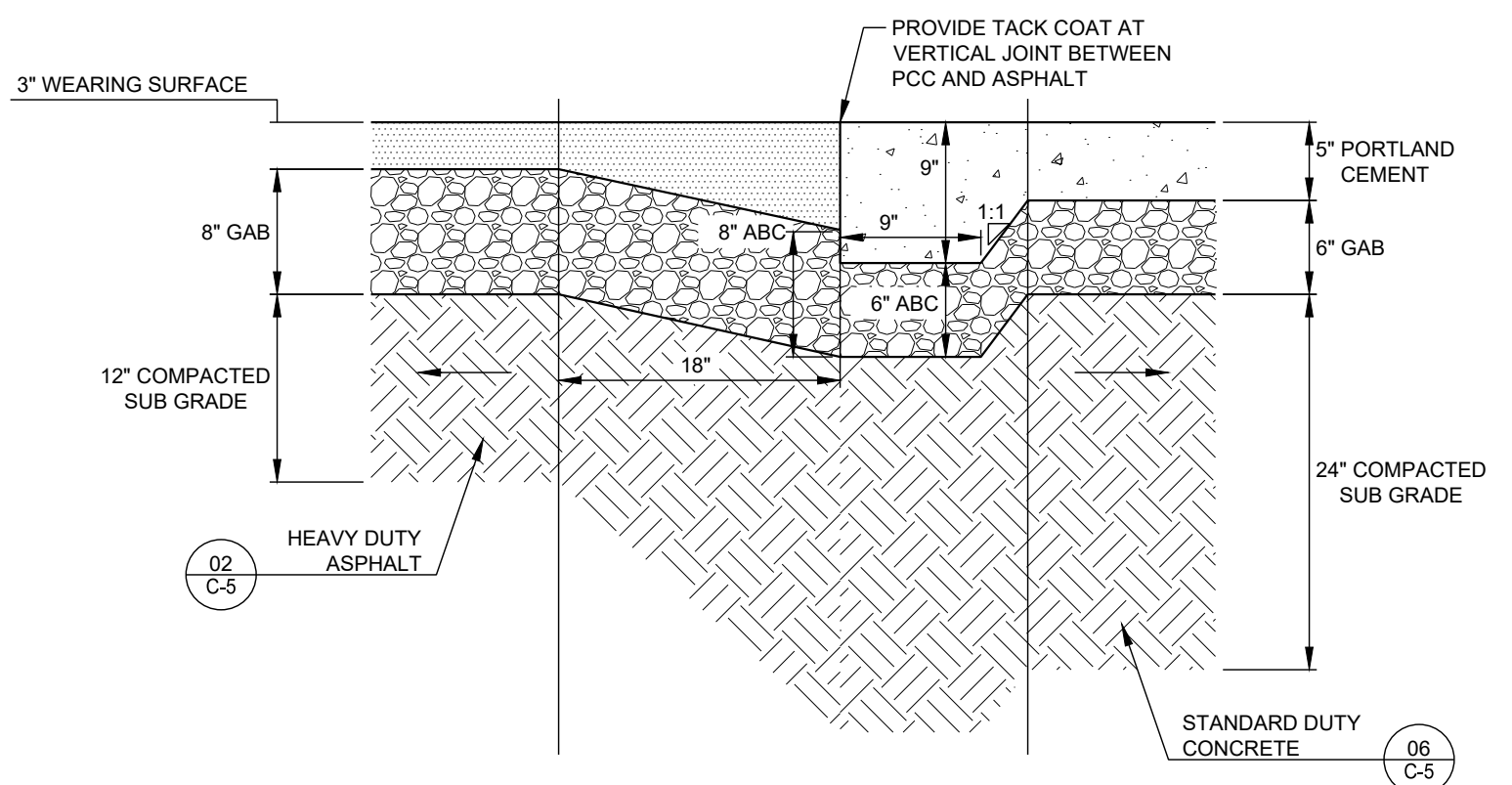
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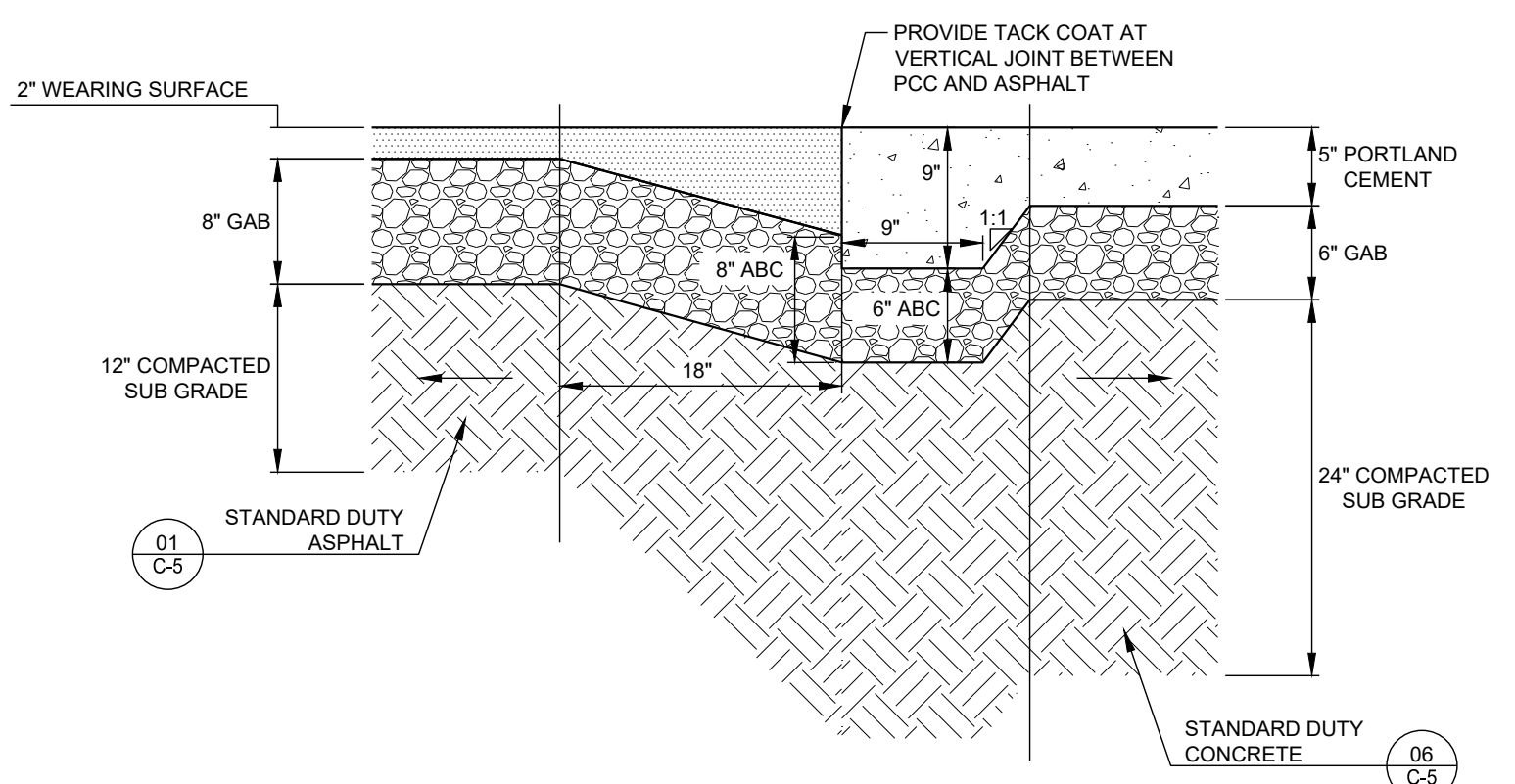
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C-5 STANDARD DUTY ASPHALT PAVING
NOT TO SCALE



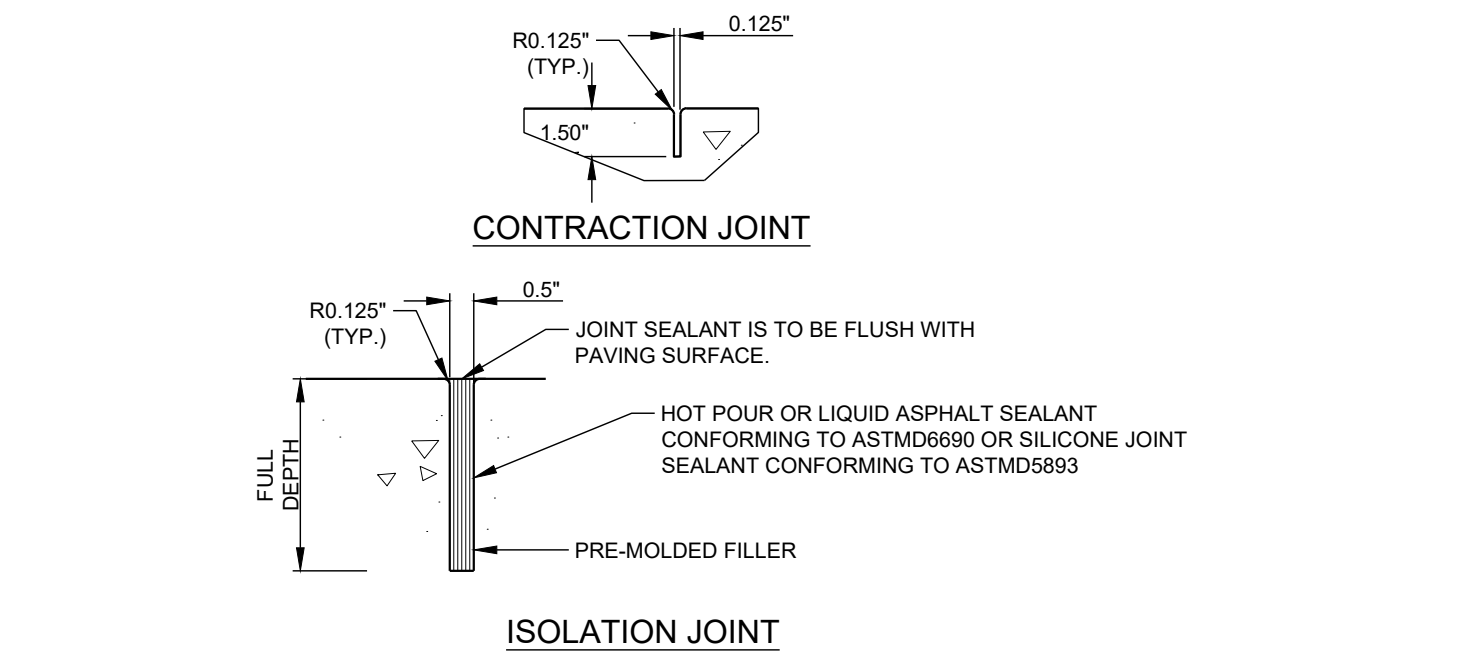
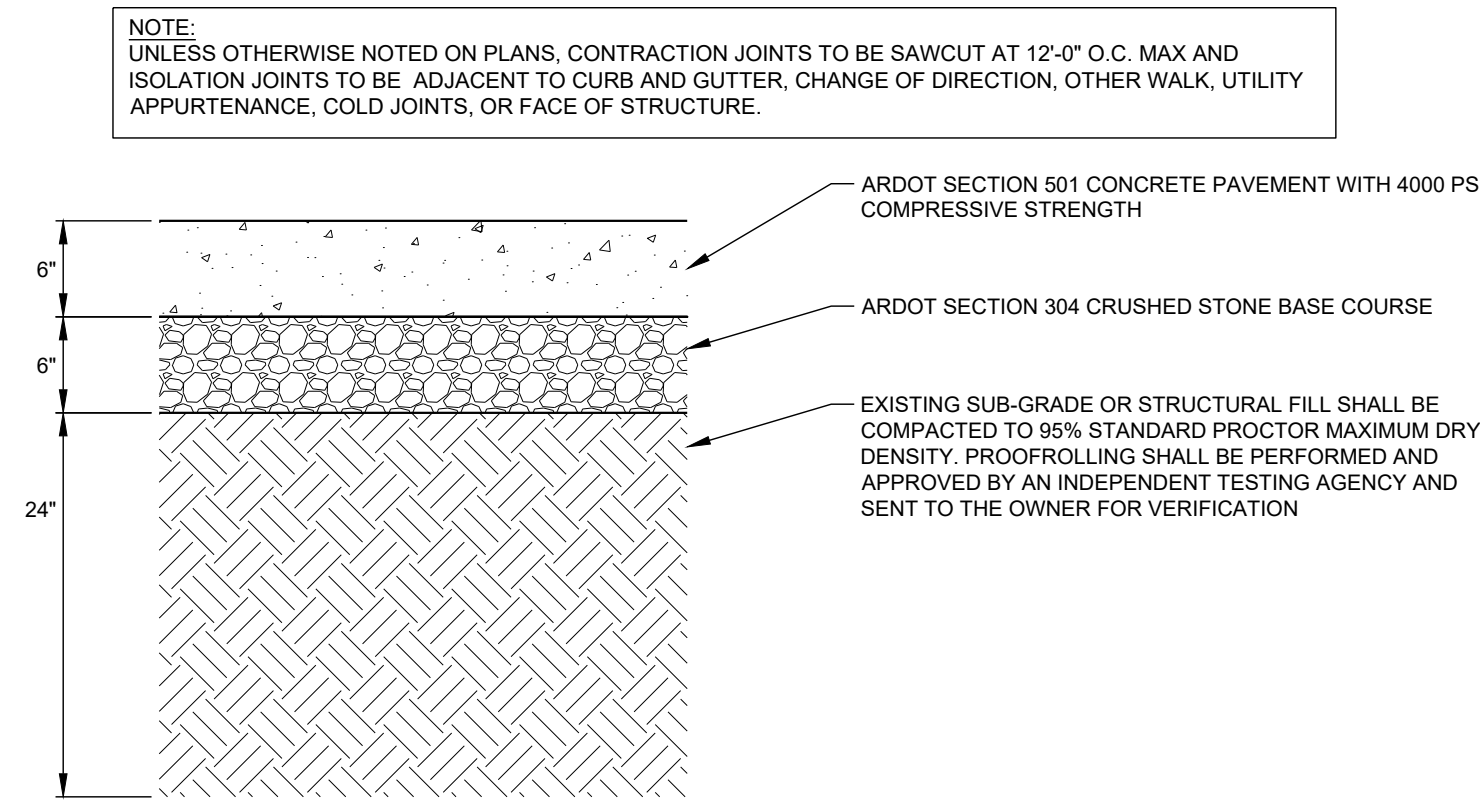
02
C-5 HEAVY DUTY ASPHALT PAVING
NOT TO SCALE



03
C-5 HEAVY DUTY ASPHALT / STANDARD DUTY CONCRETE TRANSITION
NOT TO SCALE

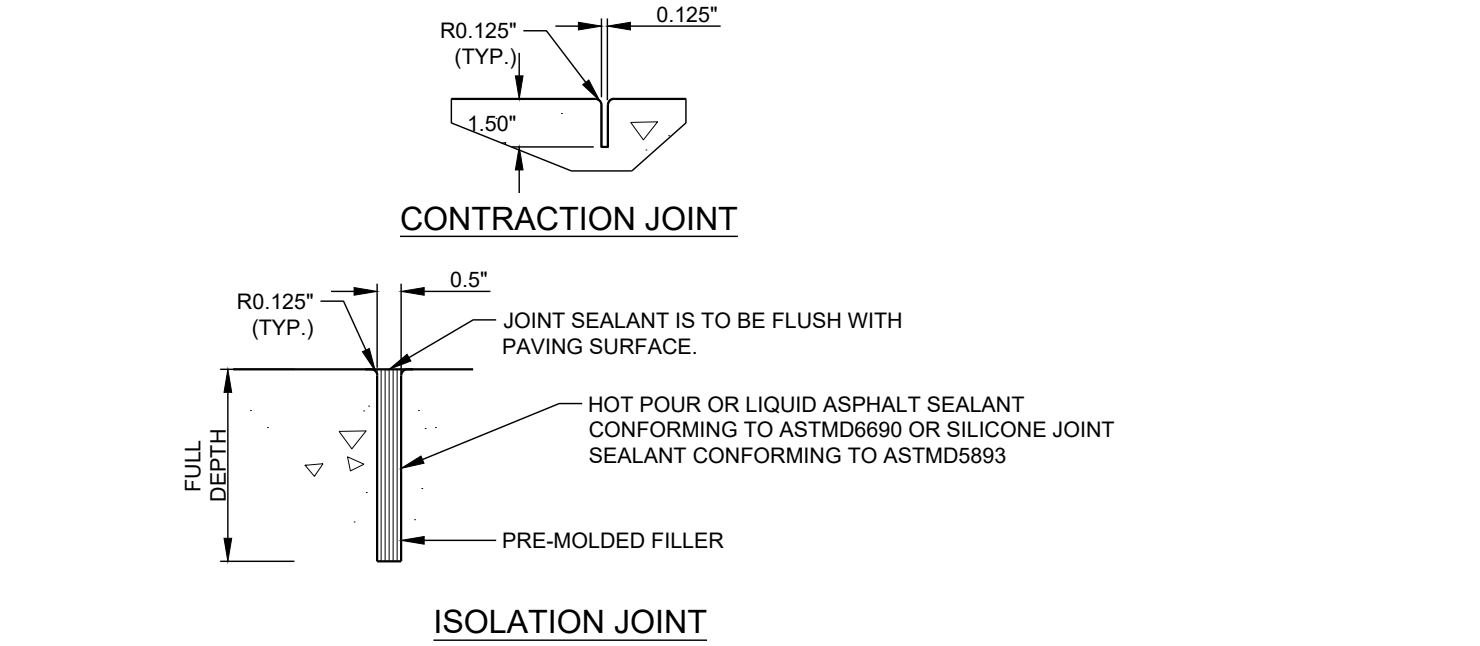
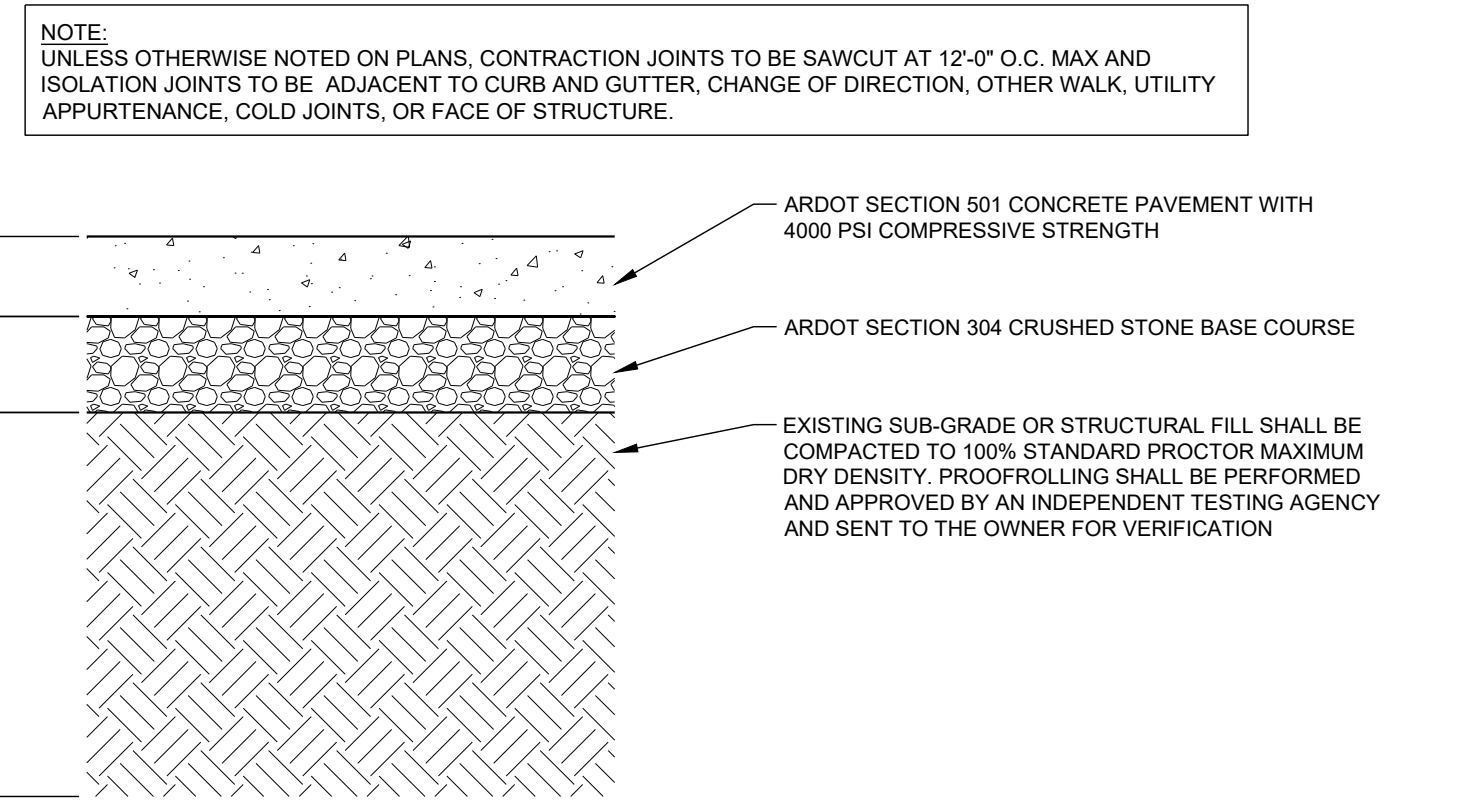


04
C-5 STANDARD DUTY ASPHALT / STANDARD DUTY CONCRETE TRANSITION
NOT TO SCALE



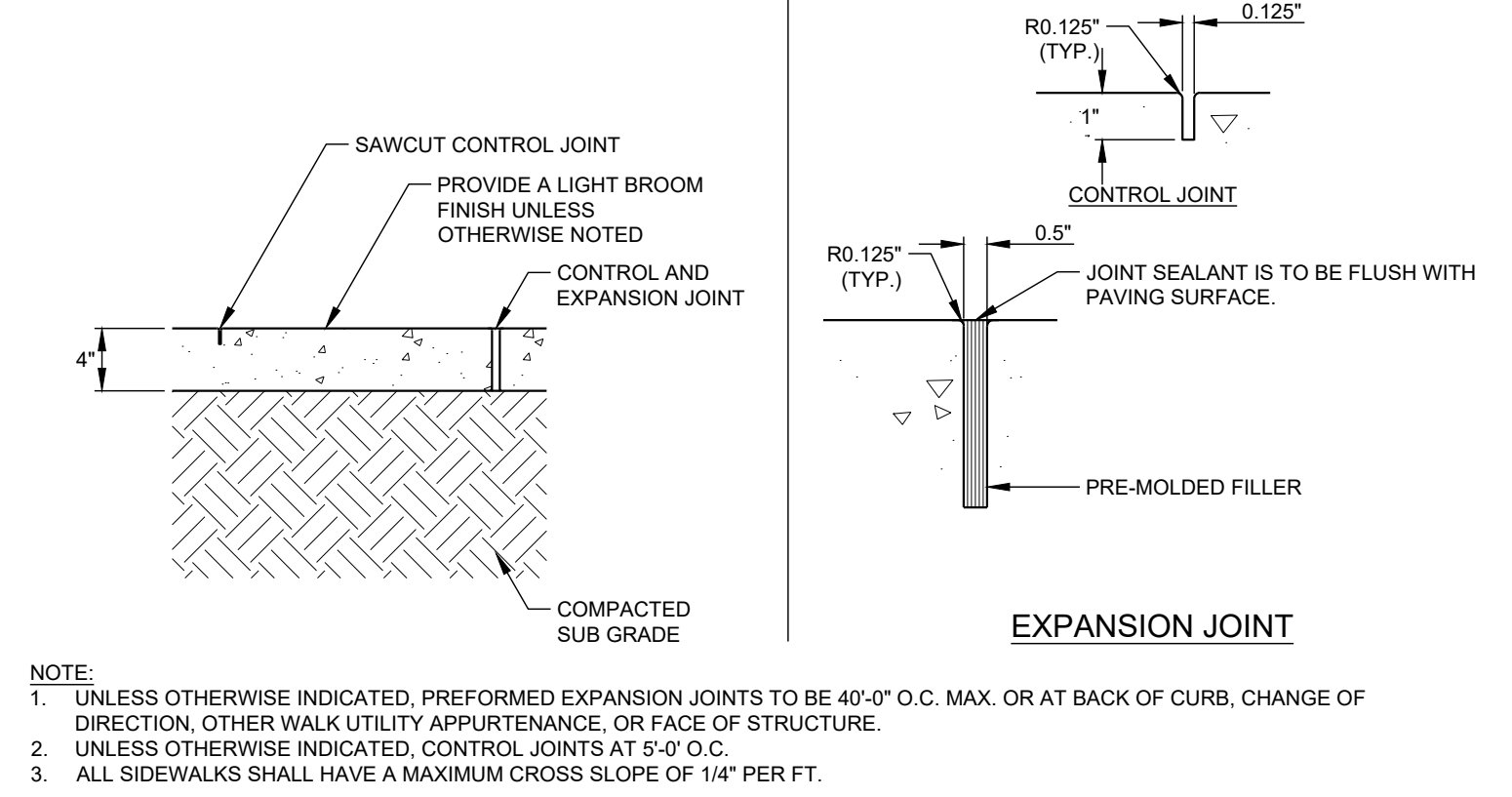
- NOTE:
1. DETAIL REFLECTS HEAVY DUTY CONCRETE PAVING RECOMMENDATION BY PROJECT GEOTECHNICAL ENGINEER.
 2. A TACK COAT SHALL BE APPLIED BETWEEN THE HD SECTION AND THE ON-SITE ASPHALT SECTION.
 3. CONCRETE CONTRACTION JOINTS SHALL BE LOCATED AT NO LESS THAN 12' ON CENTER. THE JOINTS SHALL EXTEND TO A DEPTH 1/4 OF THE SLAB THICKNESS. IF SAW CUTTING THE JOINTS IS TO BE EMPLOYED, THE JOINTS SHOULD BE CUT WHILE THE CONCRETE IS STILL "GREEN" AND AS SOON AFTER PLACEMENT AS THE EQUIPMENT CAN BE MOVED ONTO THE PAVEMENT WITHOUT DISTURBING THE CONCRETE FINISH.

05
C-5 HEAVY DUTY CONCRETE PAVING
NOT TO SCALE

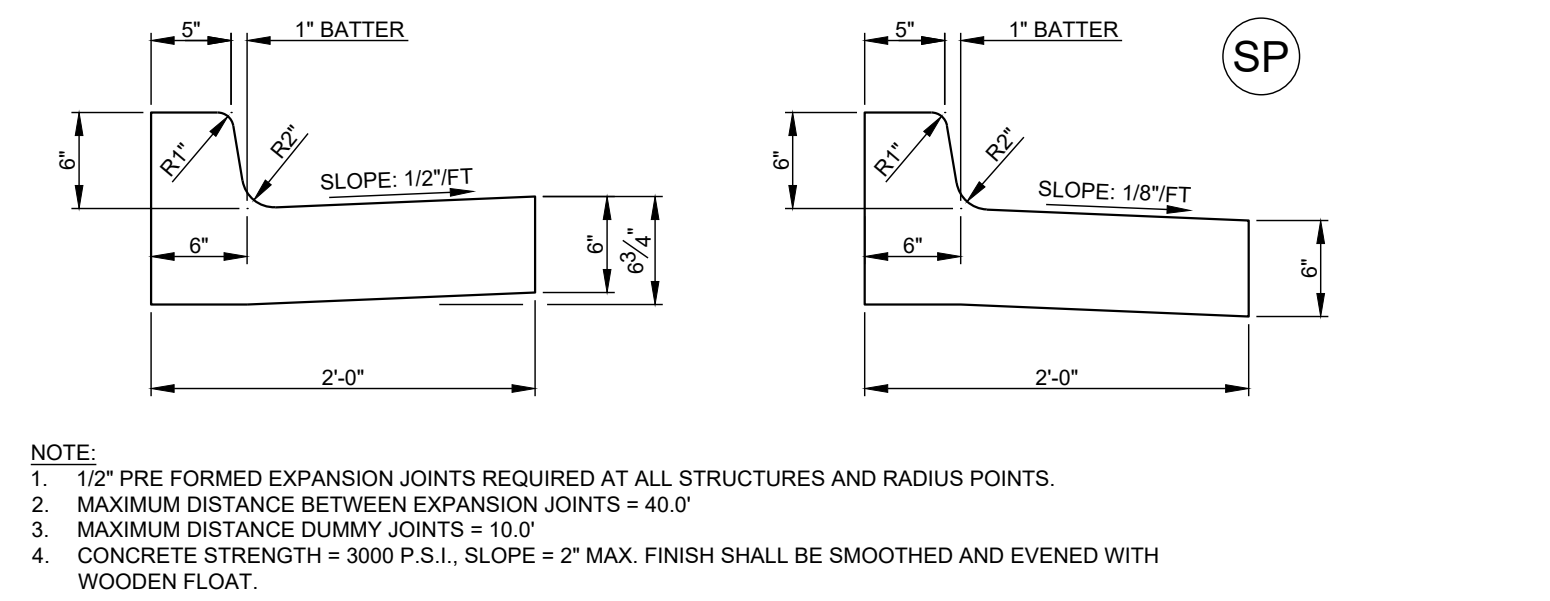


- NOTE:
1. DETAIL REFLECTS HEAVY DUTY CONCRETE PAVING RECOMMENDATION BY PROJECT GEOTECHNICAL ENGINEER.
 2. A TACK COAT SHALL BE APPLIED BETWEEN THE CONCRETE SECTION AND THE ON-SITE ASPHALT SECTION.
 3. CONCRETE CONTRACTION JOINTS SHALL BE LOCATED AT NO MORE THAN 12' ON CENTER. THE JOINTS SHALL EXTEND TO A DEPTH 1/4 OF THE SLAB THICKNESS. IF SAW CUTTING THE JOINTS IS TO BE EMPLOYED, THE JOINTS SHOULD BE CUT WHILE THE CONCRETE IS STILL "GREEN" AND AS SOON AFTER PLACEMENT AS THE EQUIPMENT CAN BE MOVED ONTO THE PAVEMENT WITHOUT DISTURBING THE CONCRETE FINISH. (WITHIN 2-12 HOURS OF POURING CONCRETE)

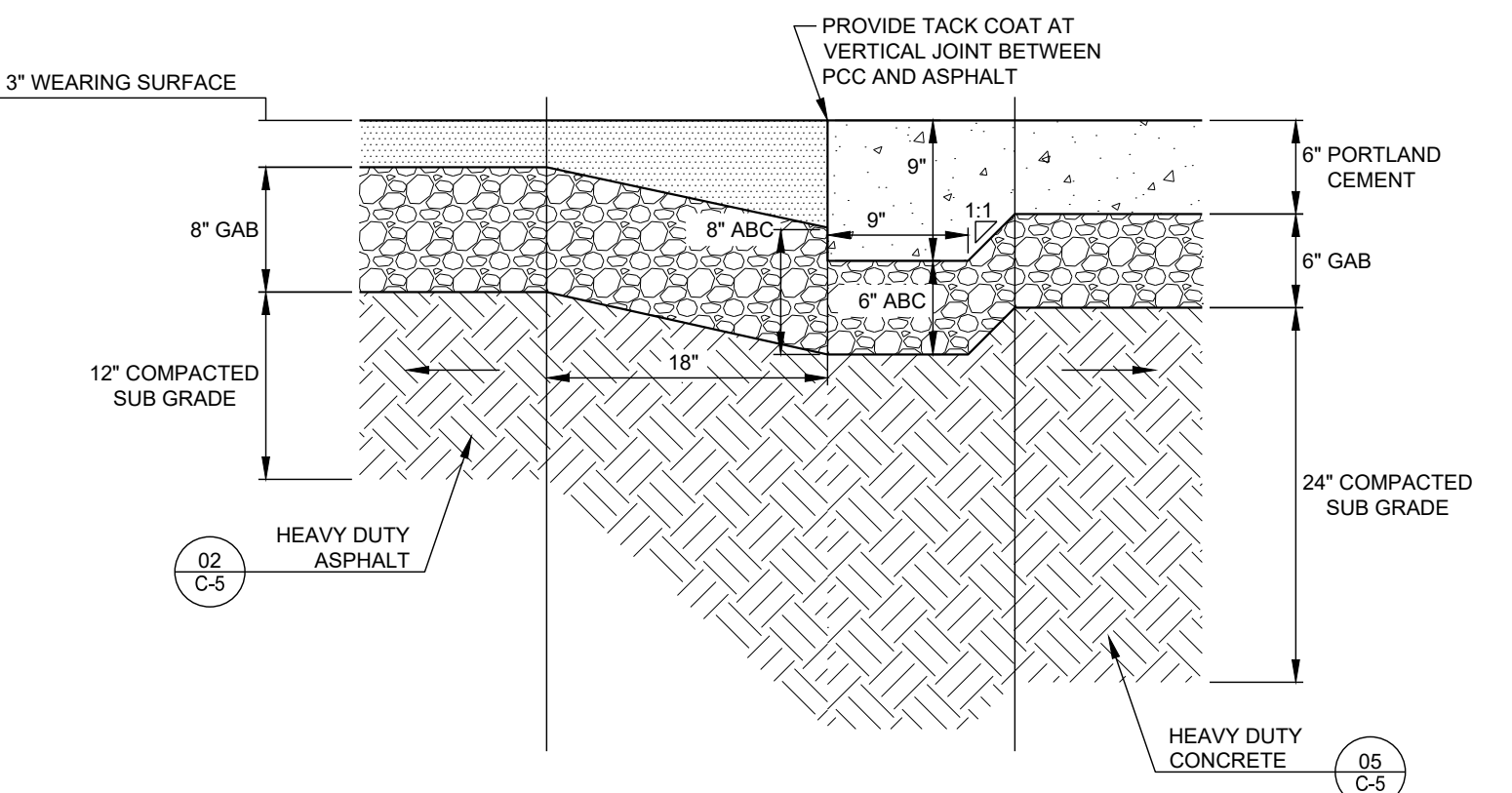
06
C-5 STANDARD DUTY CONCRETE PAVING
NOT TO SCALE



07
C-5 CONCRETE SIDEWALK
NOT TO SCALE



08
C-5 24" CONCRETE CURB AND GUTTER
NOT TO SCALE



09
C-5 HEAVY DUTY ASPHALT / HEAVY DUTY CONCRETE TRANSITION
NOT TO SCALE

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PROJECT:

CALIBER COLLISION
RESTORING THE RHYTHM OF YOUR LIFE

3921 S STADIUM BLVD
JONESBORO, CRAIGHEAD CO, AR 72404
SECTION 33, TOWNSHIP 14 N, RANGE 4 E

SEAL:

PRELIMINARY
NOT FOR CONSTRUCTION

REVISIONS

CITY OF JONESBORO SUBDIVISION	2024-01-17

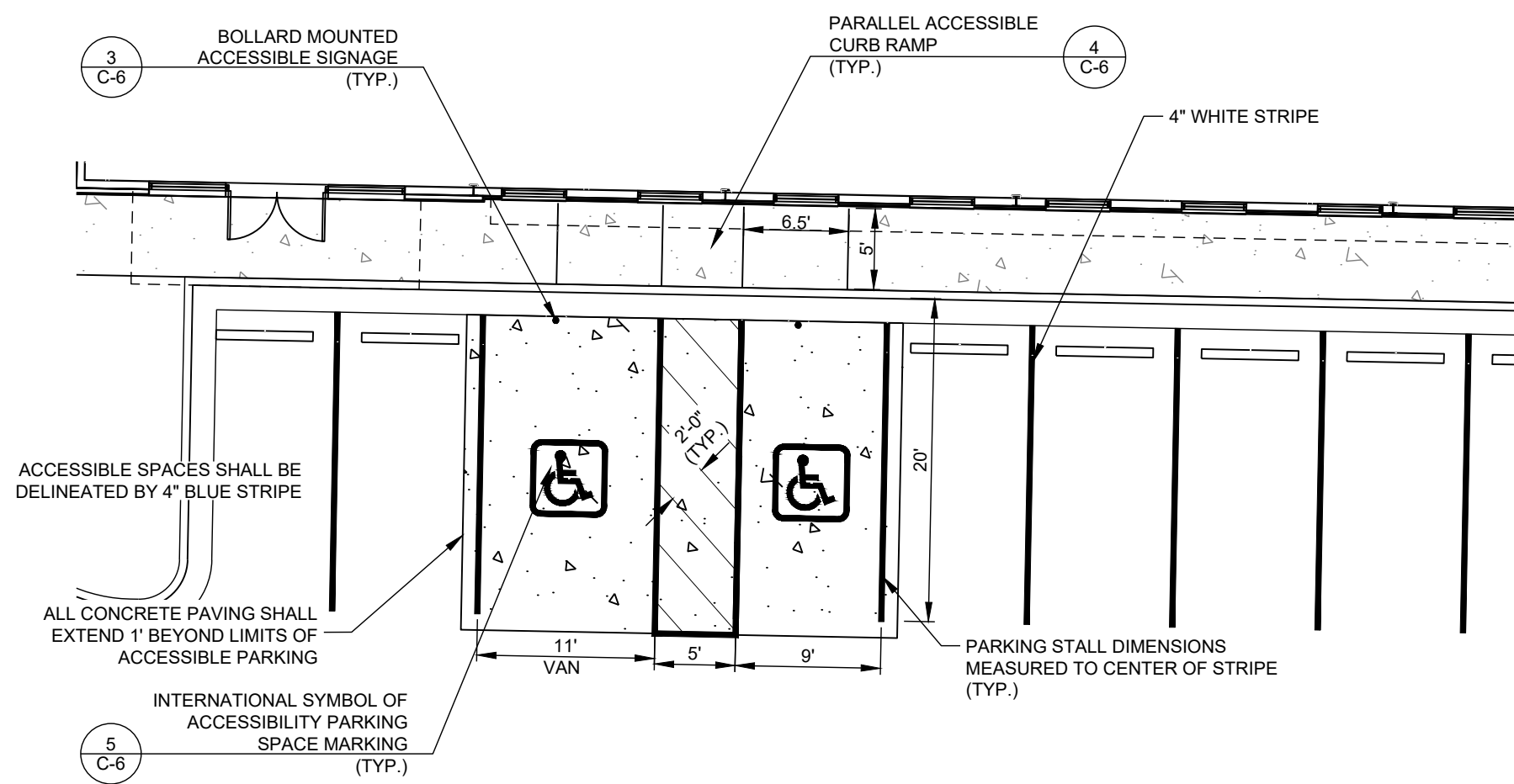
PROJECT MANAGER: DLS
DRAWING BY: CAH
JURISDICTION: CITY OF JONESBORO, AR
DATE: 2024-01-17
SCALE: AS SHOWN
TITLE:

PAVING DETAILS

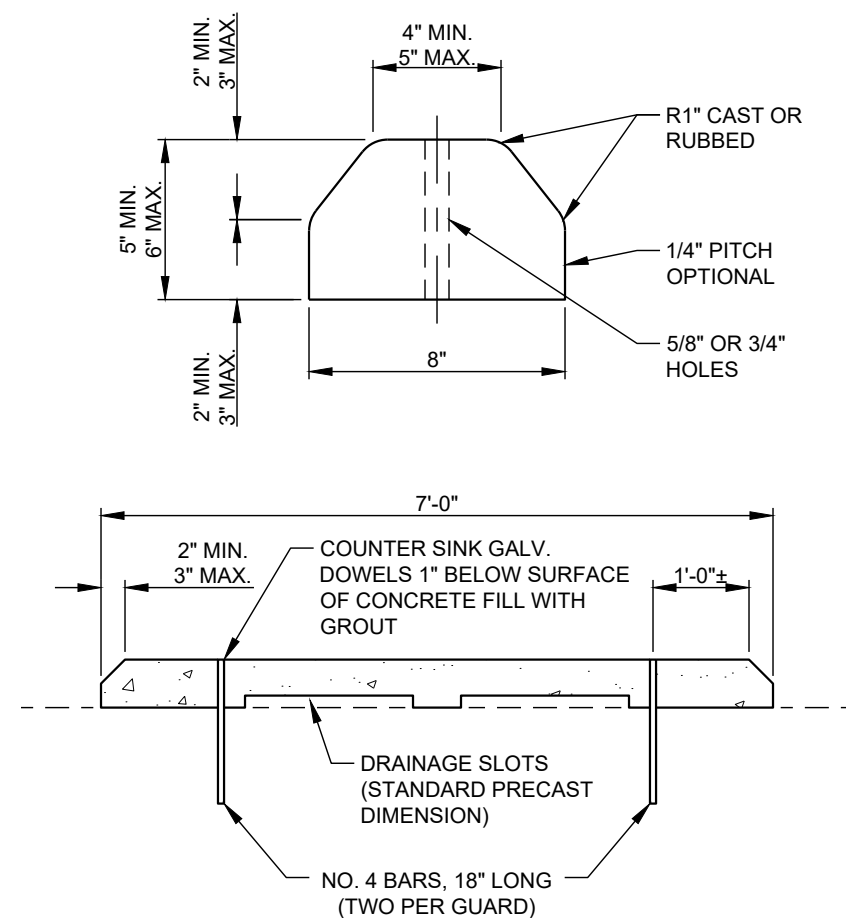
SHEET NUMBER: **C-5**

COMMENTS: NOT RELEASED FOR CONSTRUCTION

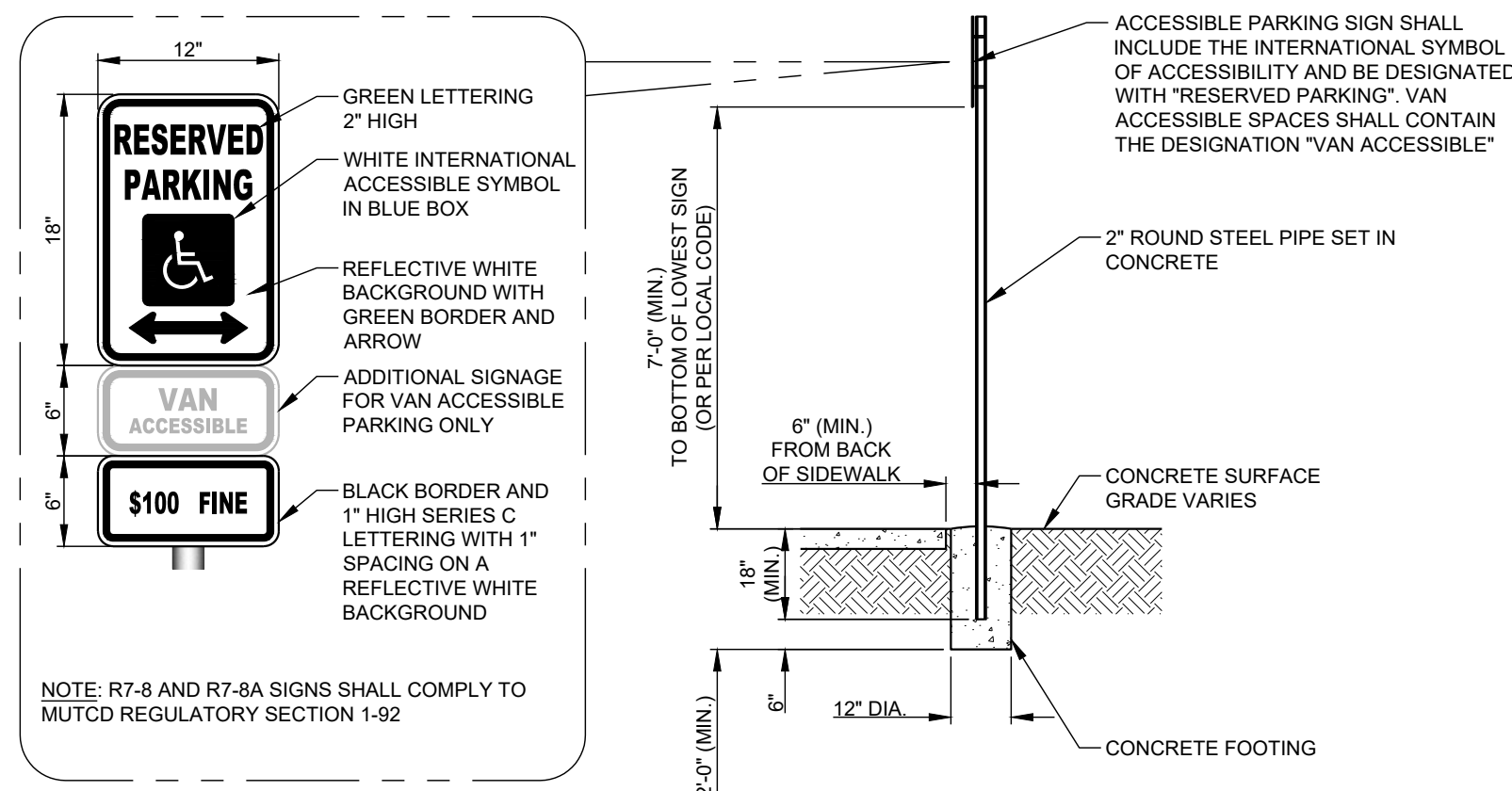
JOB/FILE NUMBER: 1641.022



01
C-6 ACCESSIBLE PARKING
NOT TO SCALE

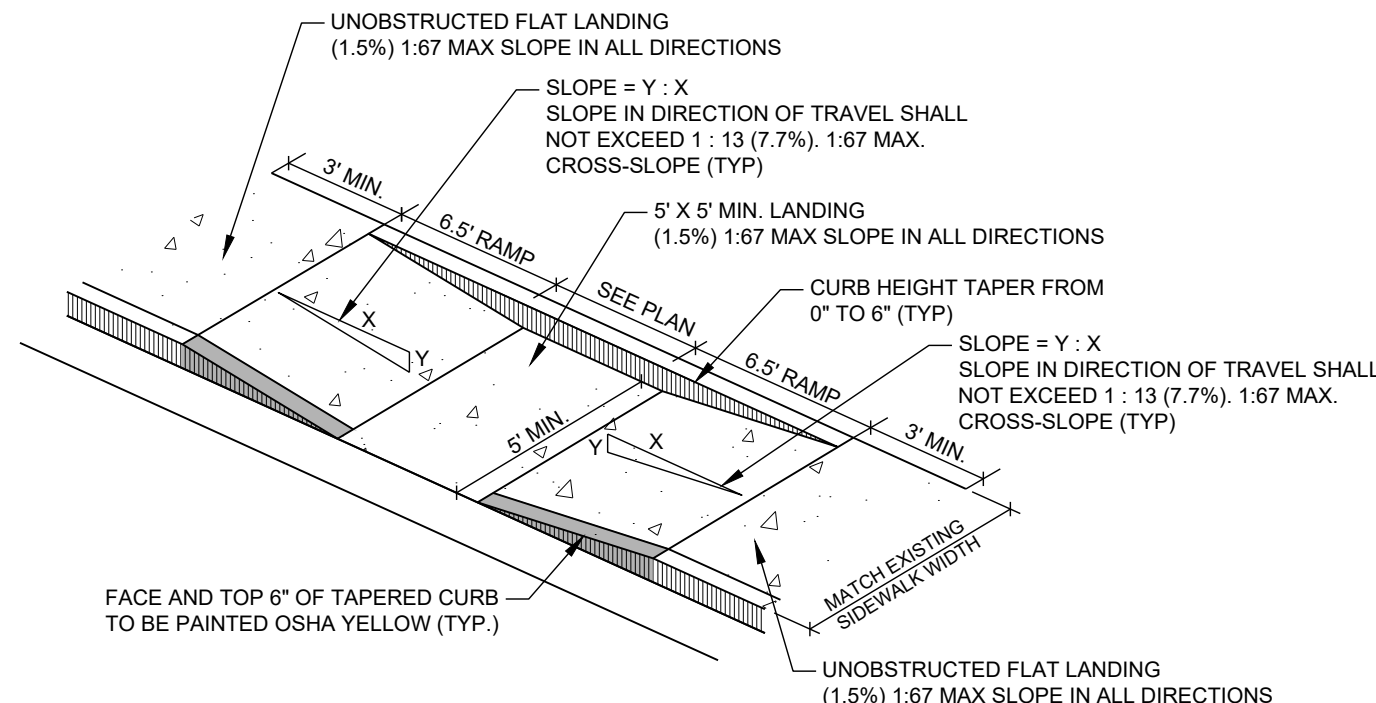


02
C-6 CONCRETE WHEEL STOP
NOT TO SCALE

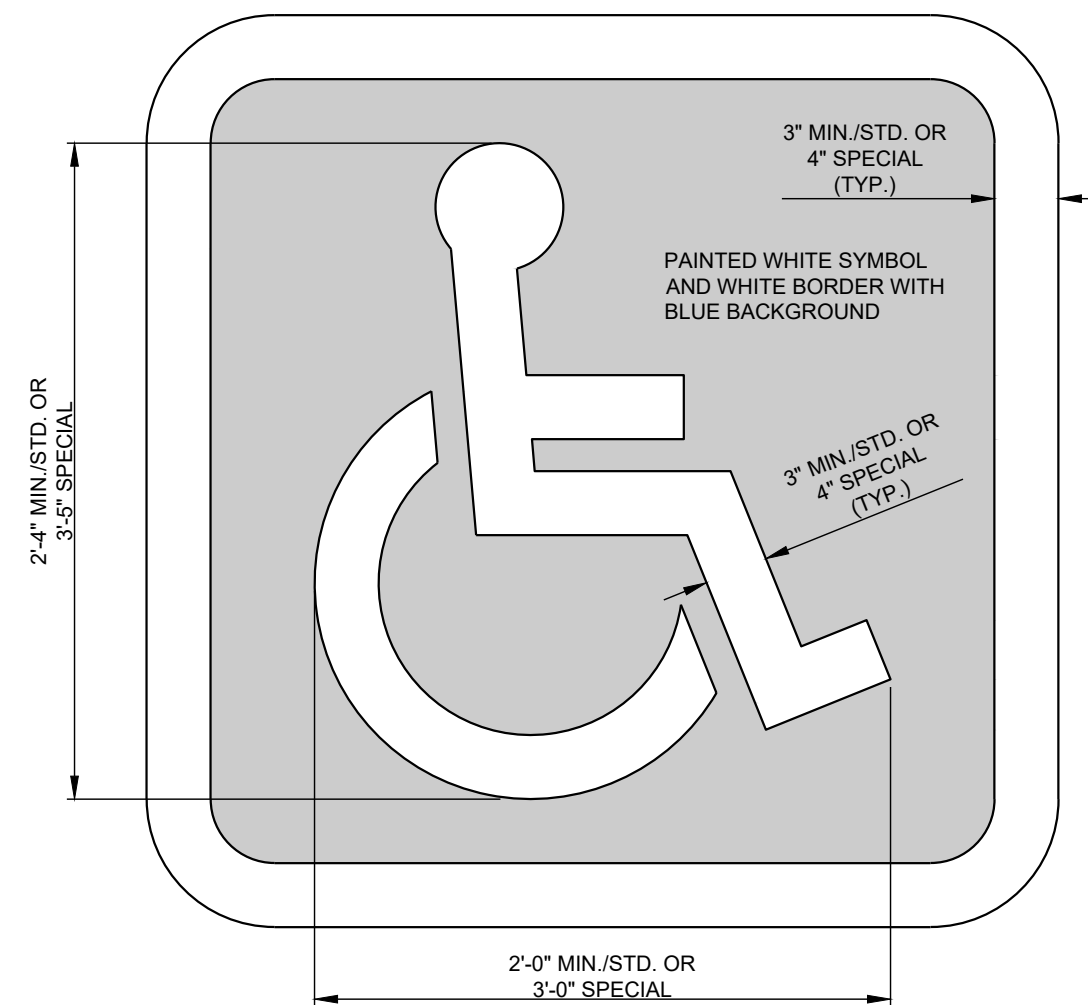


03
C-6 BOLLARD ACCESSIBLE SIGNAGE
NOT TO SCALE

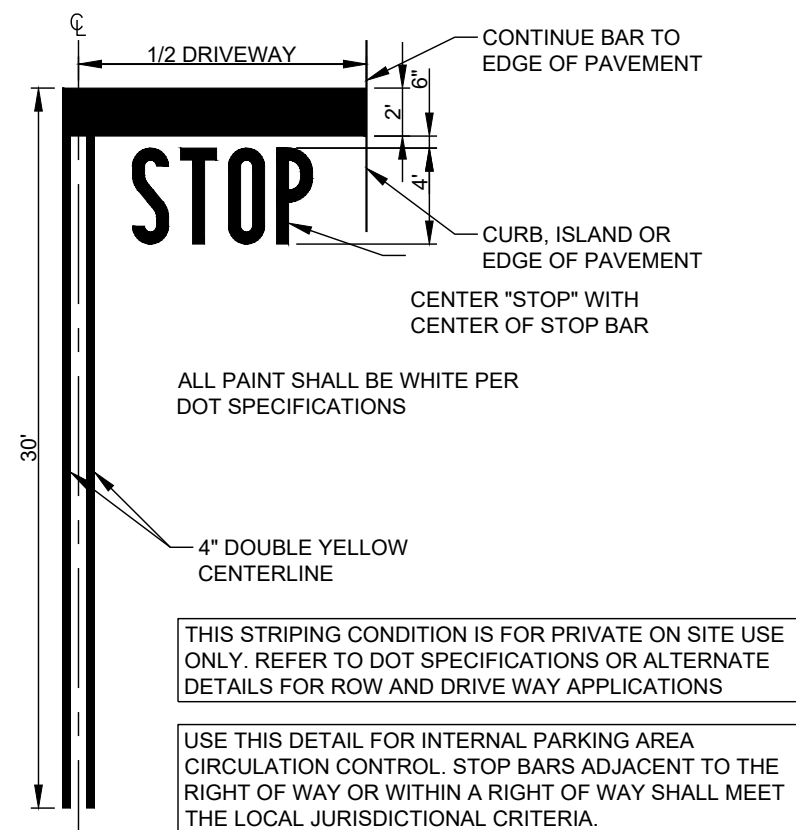
NOTE:
SEE GRADING PLAN FOR
ELEVATIONS. ACCESSIBLE
SPACES AND LOADING AREAS
SHALL NOT EXCEED 1.5%
SLOPE IN ANY DIRECTION.



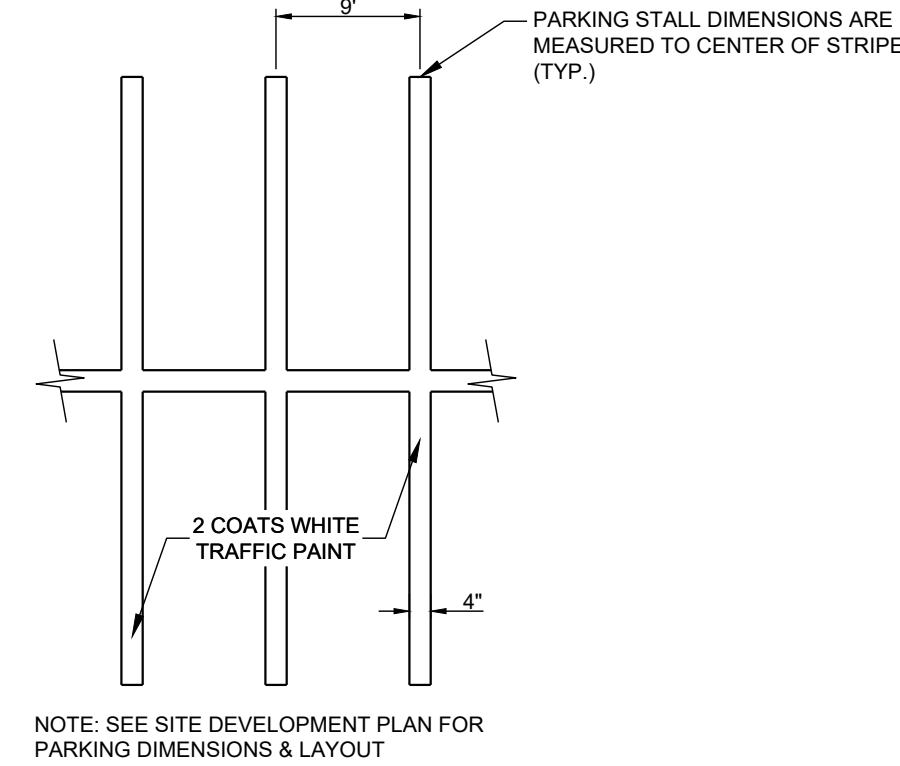
04
C-6 PARALLEL ACCESSIBLE CURB RAMP
NOT TO SCALE



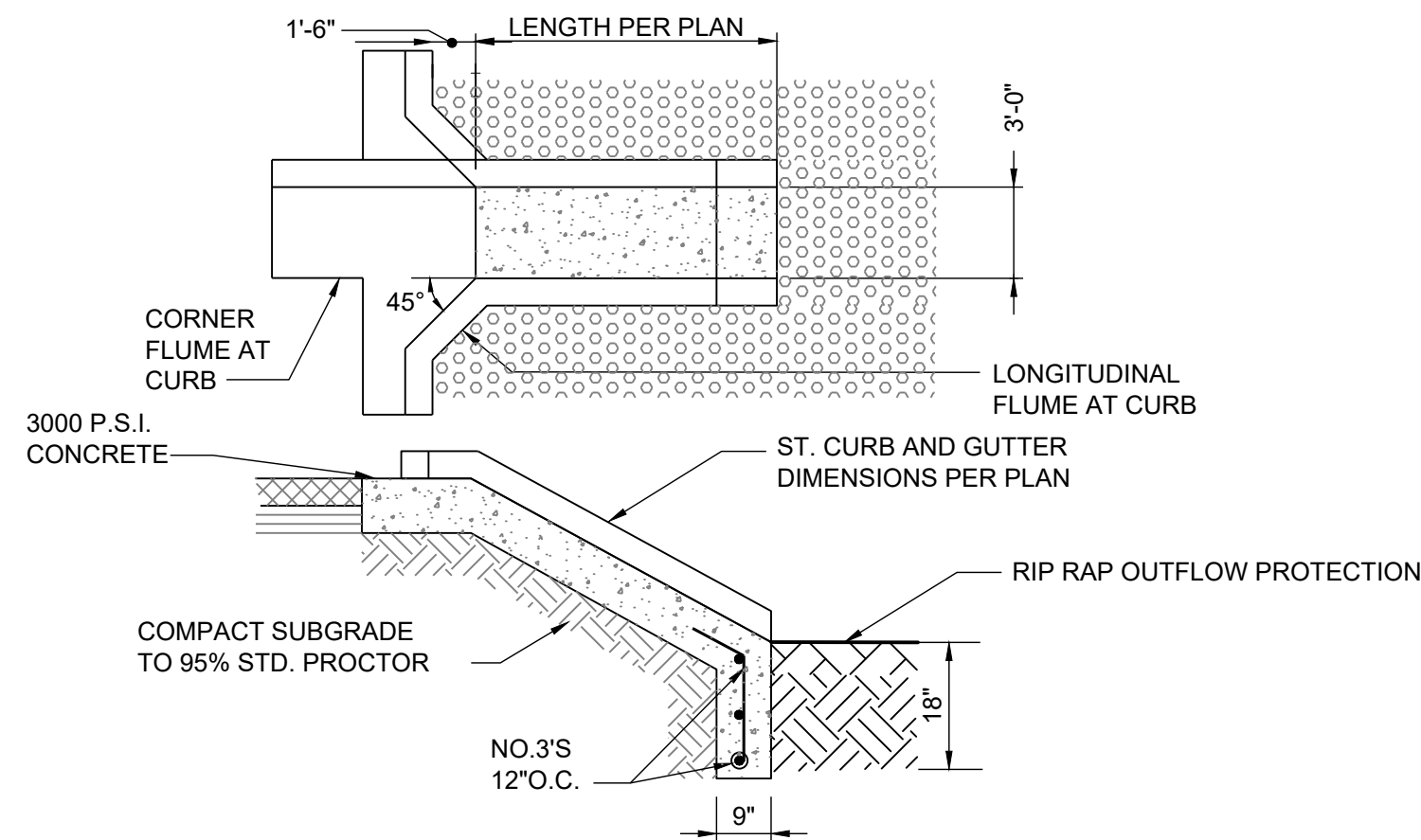
05
C-6 INTERNATIONAL SYMBOL OF ACCESSIBILITY
PARKING SPACE MARKING
NOT TO SCALE



06
C-6 STOP BAR AND LABEL STRIPING
NOT TO SCALE



07
C-6 PAVEMENT STRIPING
NOT TO SCALE



08
C-6 CONCRETE FLUME
NOT TO SCALE

ENGINEER:

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SECTION 33, TOWNSHIP 14 N, RANGE 4 E

SEAL:

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REVISIONS DATE

CITY OF JONESBORO SUBDIVISION 2024-01-17

PROJECT MANAGER: DLS

DRAWING BY: CAH

JURISDICTION: CITY OF JONESBORO, AR

DATE: 2024-01-17

SCALE: AS SHOWN

TITLE:

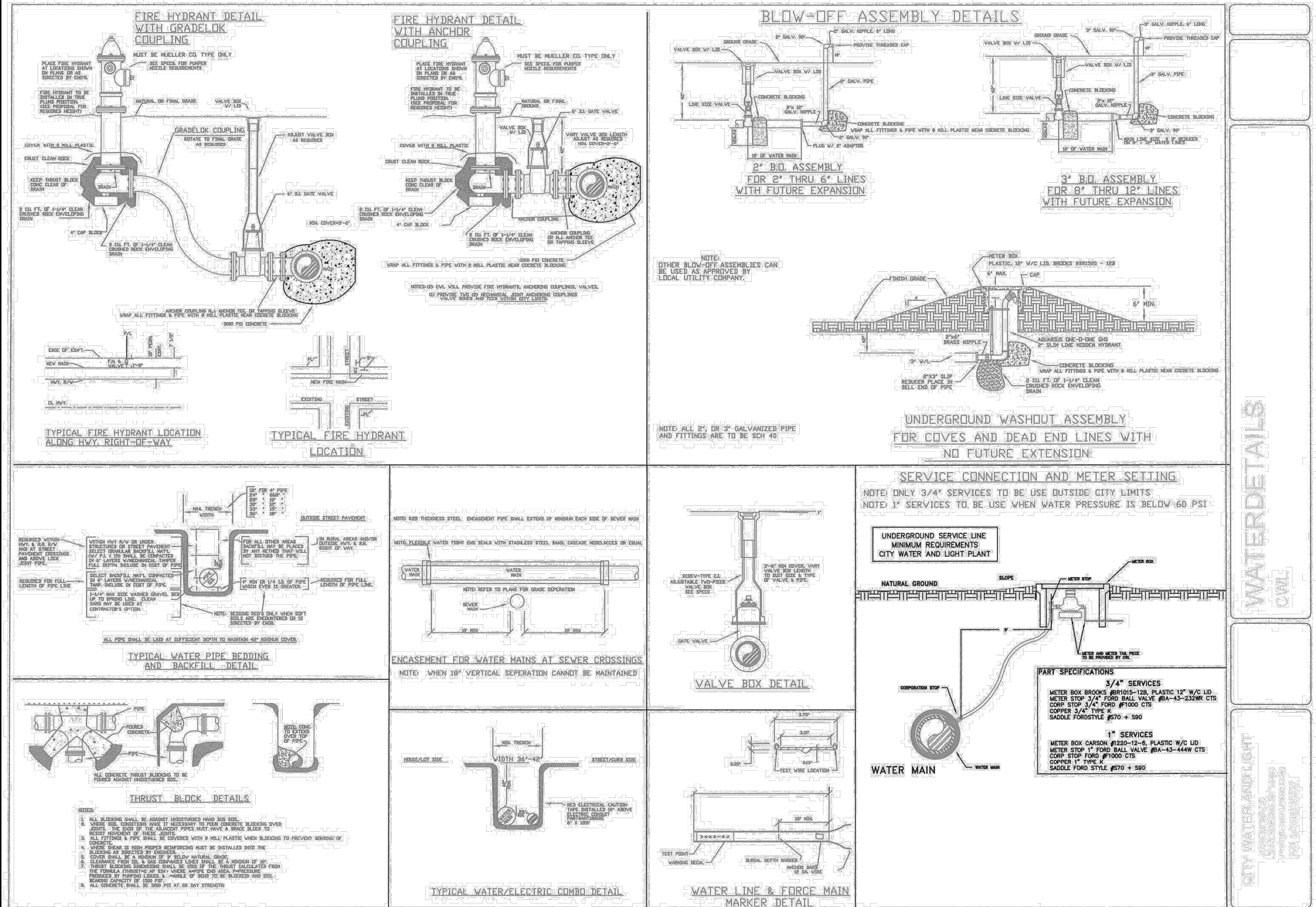
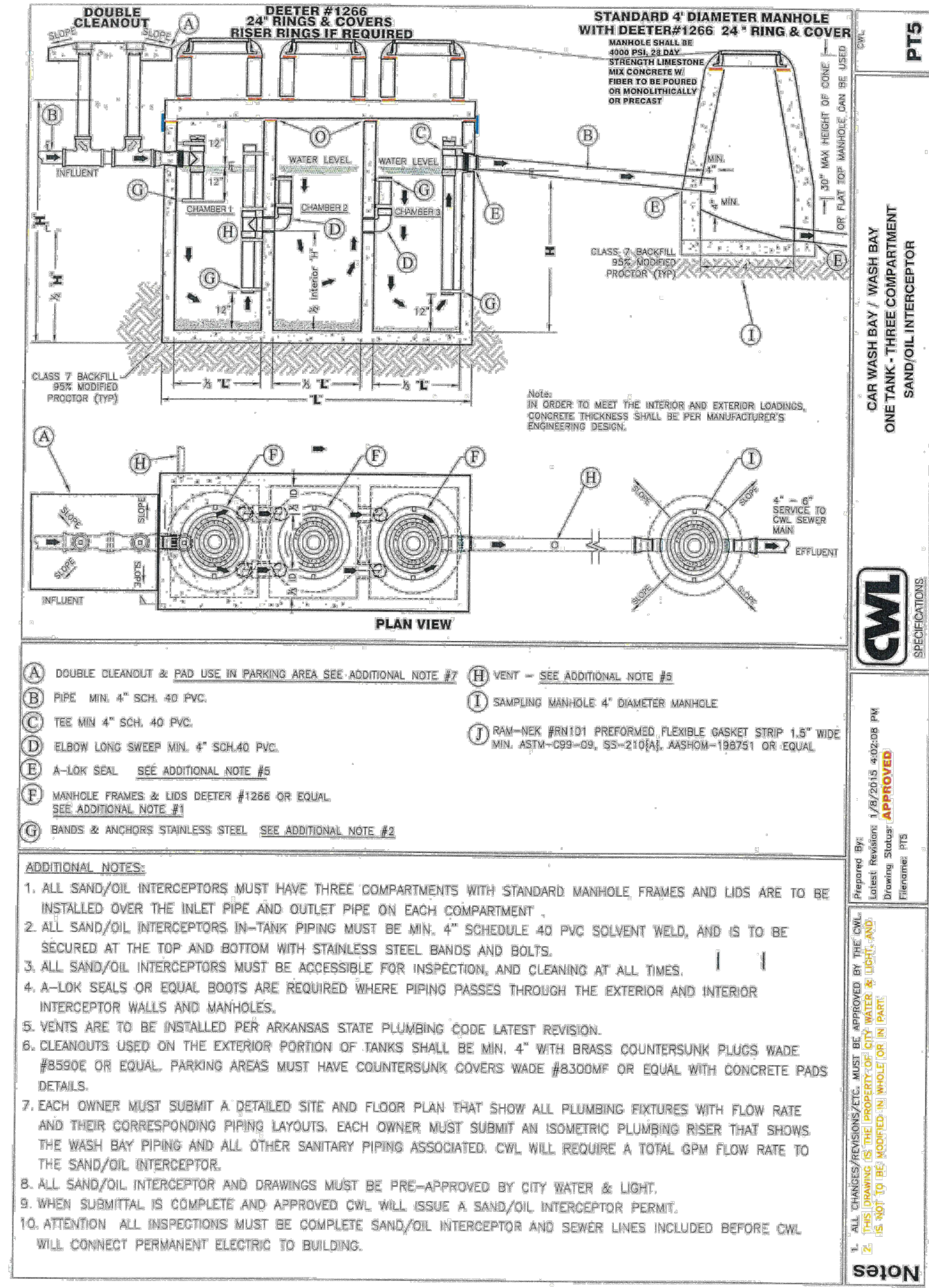
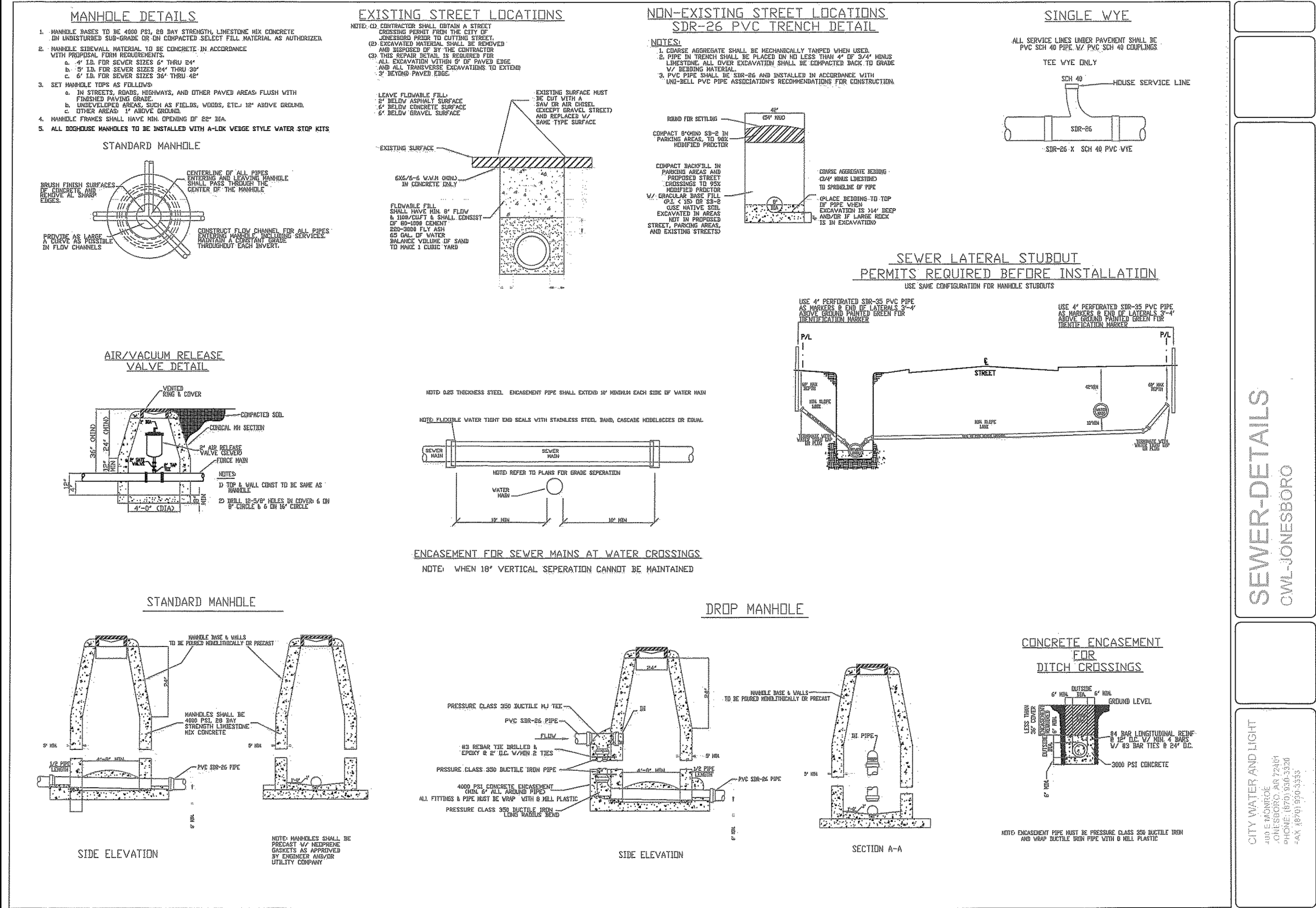
CONSTRUCTION DETAILS

SHEET NUMBER:

C-6

COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1641.022



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3921 S STADIUM BLVD
JONESBORO, CRAIGHEAD CO. AR 72404
SECTION 33, TOWNSHIP 14 N, RANGE 4 E

SEAL:

PRELIMINARY
NOT FOR CONSTRUCTION

REVISIONS

CITY OF JONESBORO SUBDIVISION

DATE

2024-01-17

PROJECT MANAGER: DLS

DRAWING BY: CAH

JURISDICTION: CITY OF JONESBORO, AR

DATE: 2024-01-17

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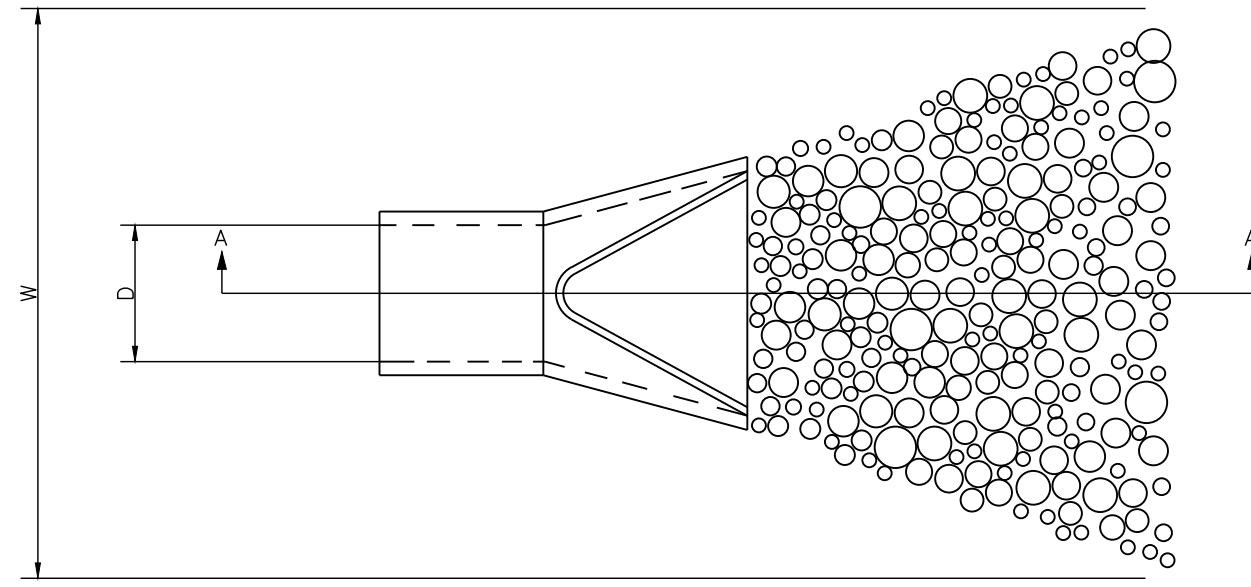
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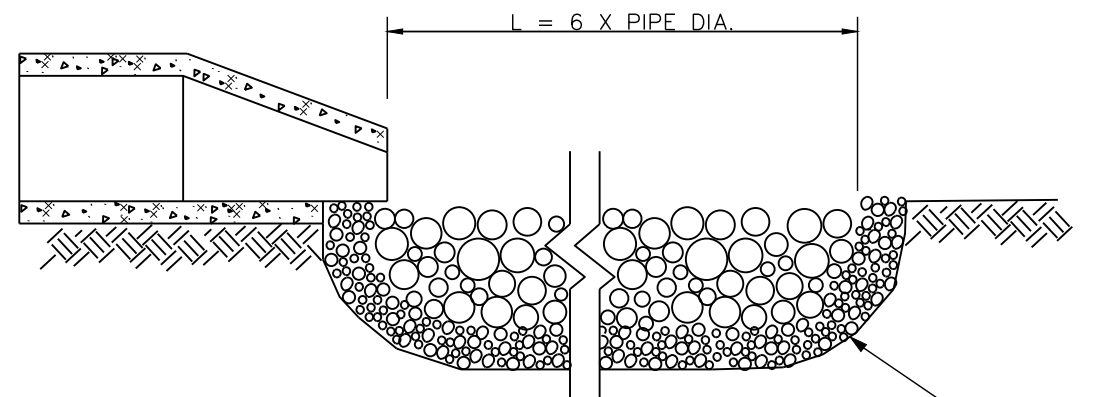
C-7

COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1641.022



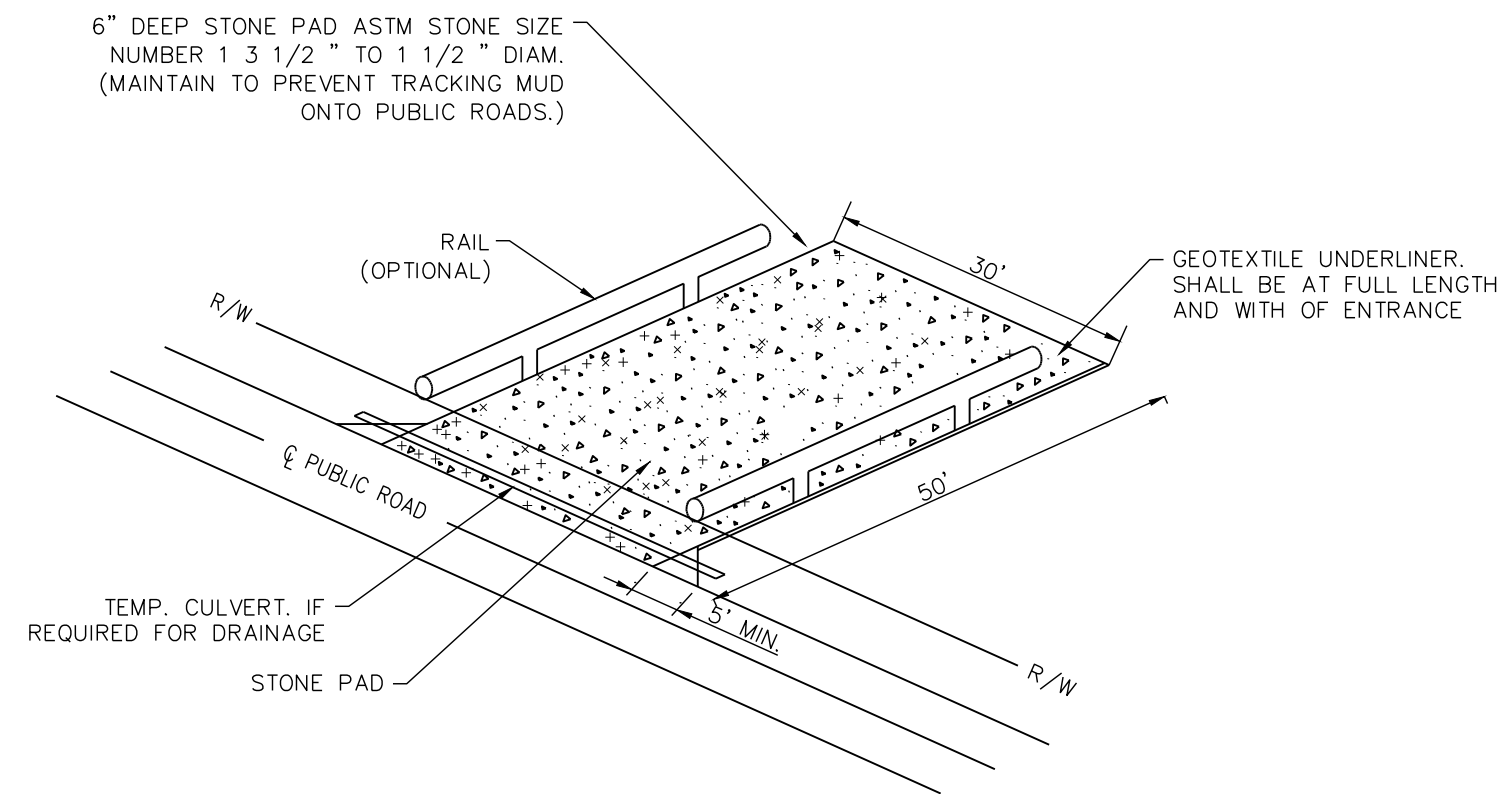
PLAN



SECTION A-A

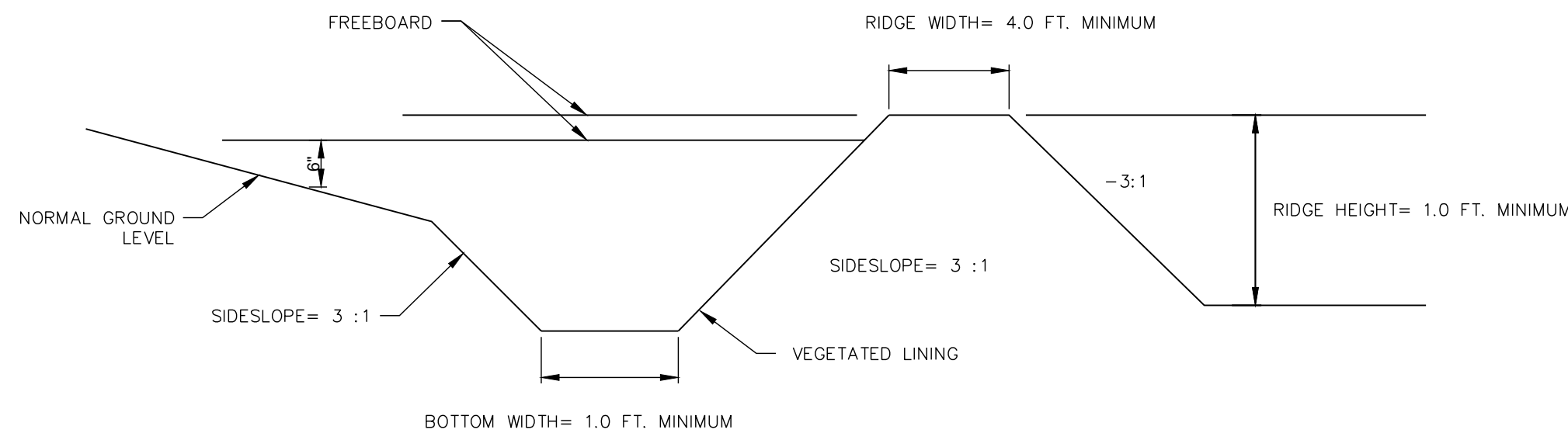
- NOTES:
1. L IS THE LENGTH OF THE RIPRAP APRON.
 2. D= 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
 3. IN A WELL-DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE TOP OF PIPE OR TO THE TOP OF THE BANK, WHICHEVER IS LESS.
 4. A FILTER BLANKET OR FILTER FABRIC SHALL BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.
 5. GRADED RIPRAP STONE (MIN. 50 LB. STONE) NSA. NO. R-4 - 12" max. 6" ave
 6. FILTER STONE NO. FS-2

OP OUTLET PROTECTION
NOT TO SCALE



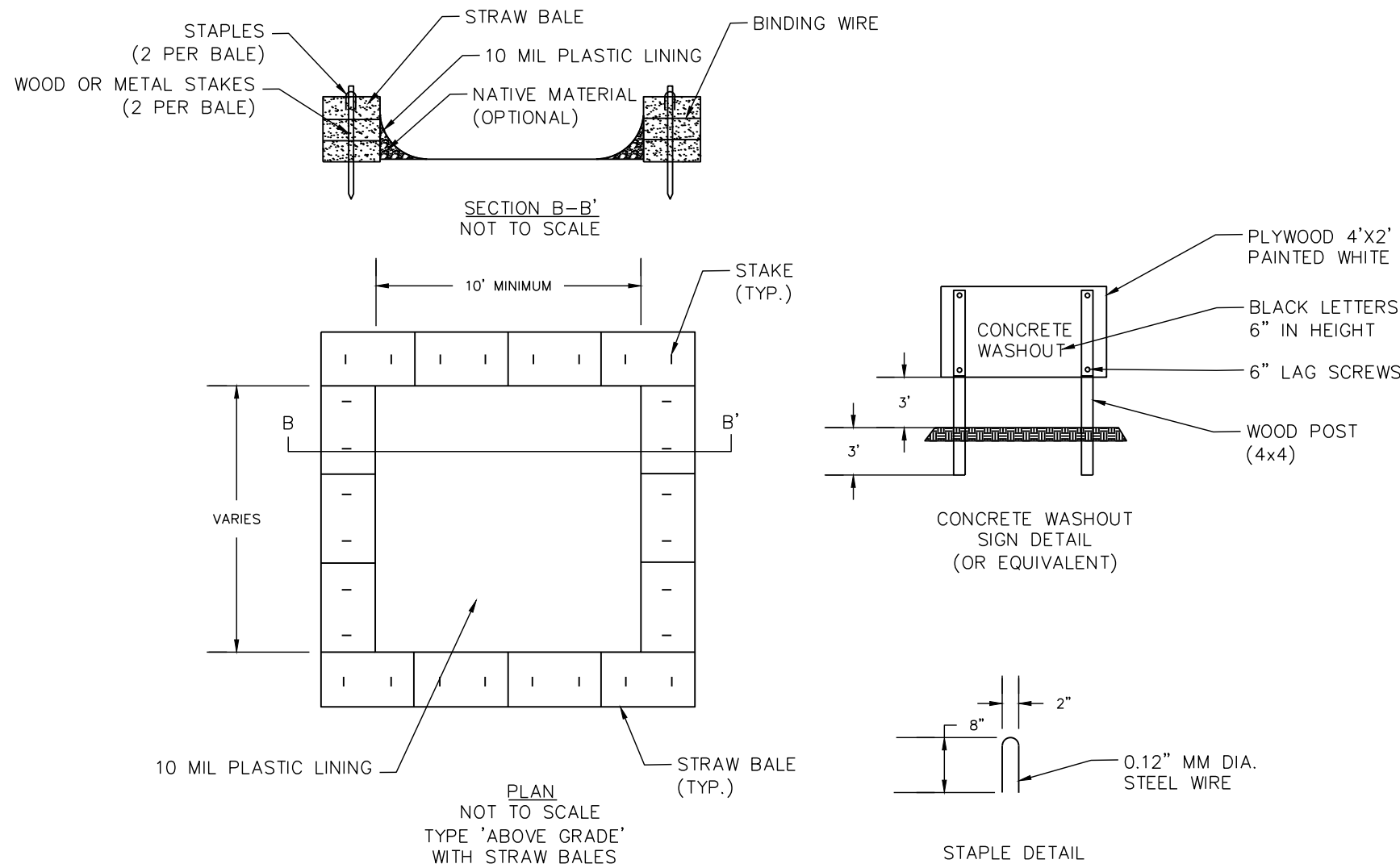
NOTE: THE CONSTRUCTION EXIT PAD SHALL BE AT LEAST 50 FEET IN LENGTH, SHALL OCCUPY THE FULL WIDTH OF VEHICLE EGRESS, AND SHALL BE COMPLETELY UNDERLAIN BY SUITABLE GEOTEXTILE.

CEP CONSTRUCTION EXIT PAD
NOT TO SCALE



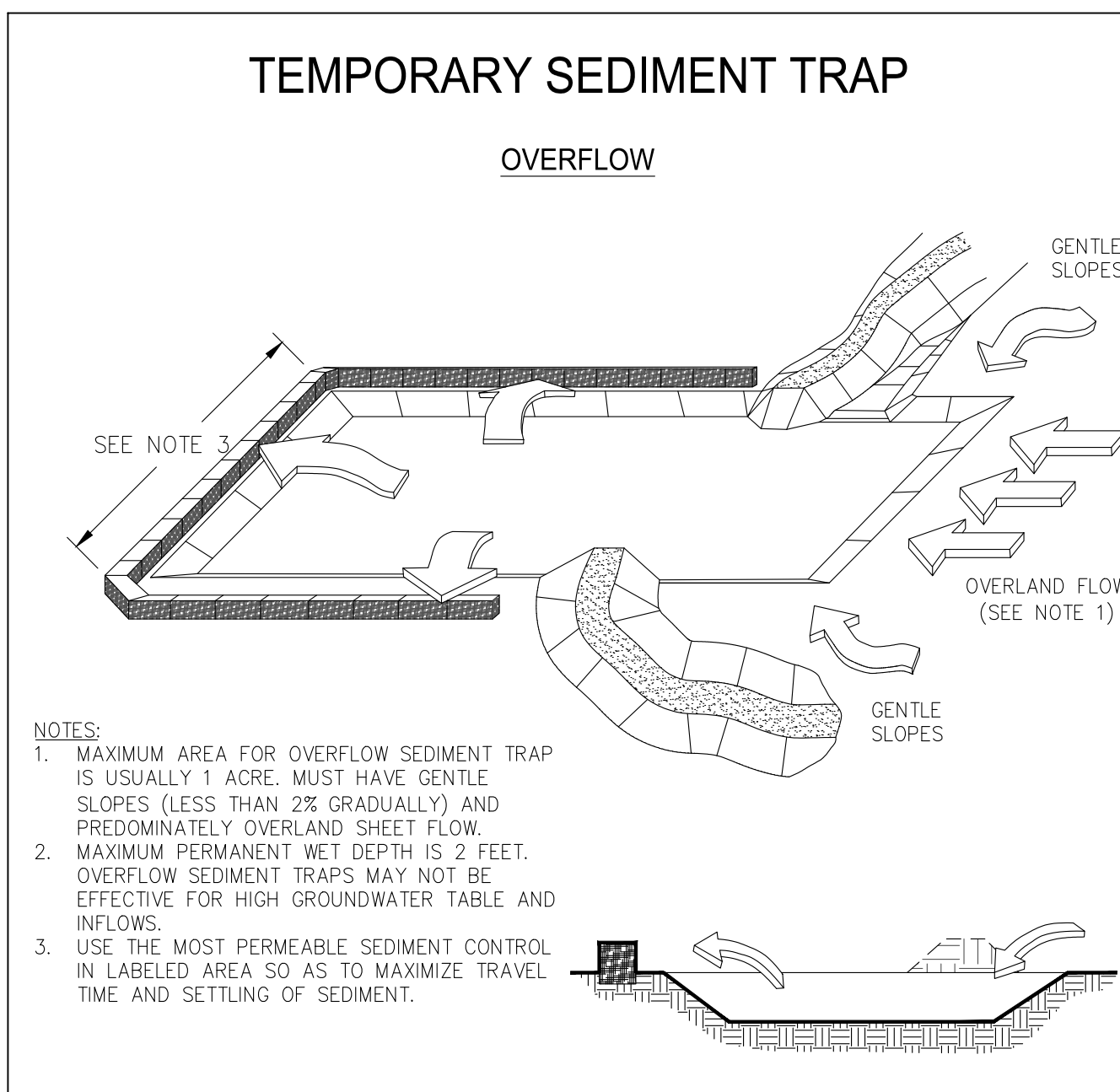
1. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE DIVERSION.
2. THE DIVERSION SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND FREE OF IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
3. ALL FILLS SHALL BE MACHINE COMPACTED AS NEEDED TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETED DIVERSION.
4. ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE SPREAD OR DISPOSED OF SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE DIVERSION.
5. DIVERSION CHANNEL SHALL BE STABILIZED IN ACCORDANCE WITH SPECIFICATION CH - CHANNEL STABILIZATION.

DV DIVERSION
NOT TO SCALE



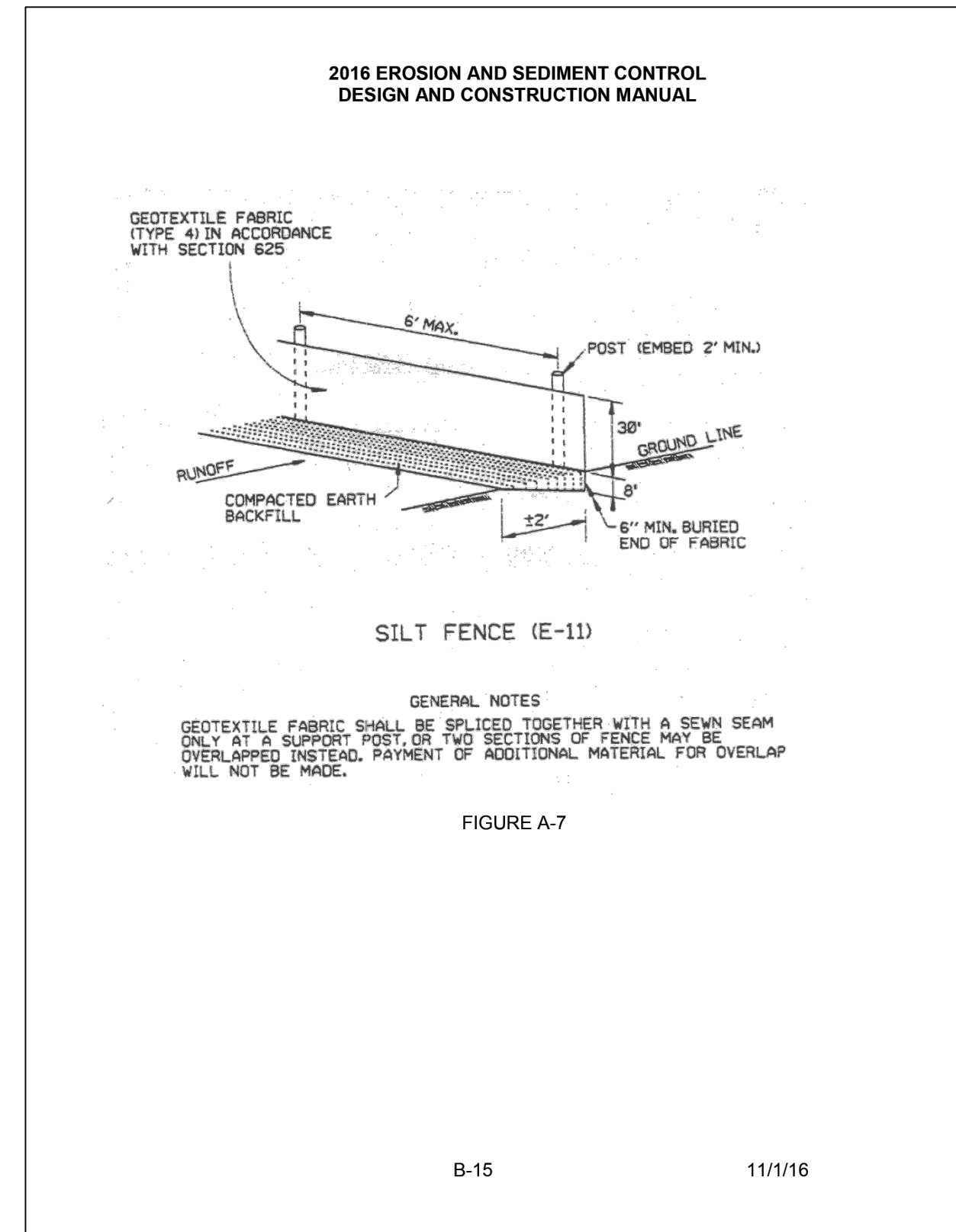
- NOTES:
1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
 2. THE CONCRETE WASHOUT SIGN (SEE FIG. 4-15) SHALL BE INSTALLED WITHIN 10' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

CW CONCRETE WASHOUT DETAIL
NOT TO SCALE



- NOTES:
1. MAXIMUM AREA FOR OVERFLOW SEDIMENT TRAP IS USUALLY 1 ACRE. MUST HAVE GENTLE SLOPES (LESS THAN 2% GRADUALLY) AND PREDOMINATELY OVERLAND SHEET FLOW.
 2. MAXIMUM PERMANENT WET DEPTH IS 2 FEET. OVERFLOW SEDIMENT TRAPS MAY NOT BE EFFECTIVE FOR HIGH GROUNDWATER TABLE AND INFLOWS.
 3. USE THE MOST PERMEABLE SEDIMENT CONTROL IN LABELED AREA SO AS TO MAXIMIZE TRAVEL TIME AND SETTLING OF SEDIMENT.

ST SEDIMENT TRAP
NOT TO SCALE



SILT FENCE (E-11)

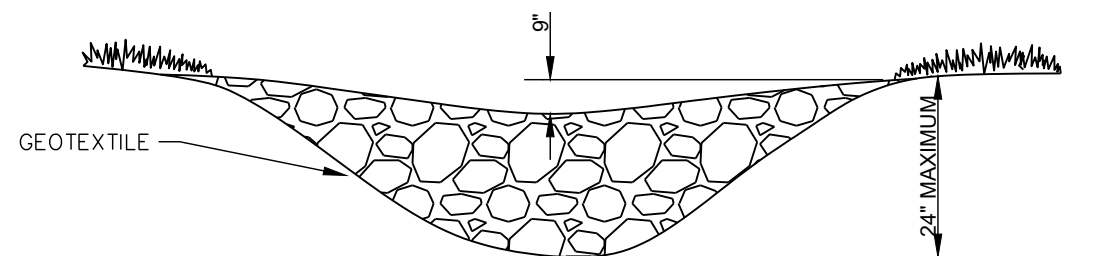
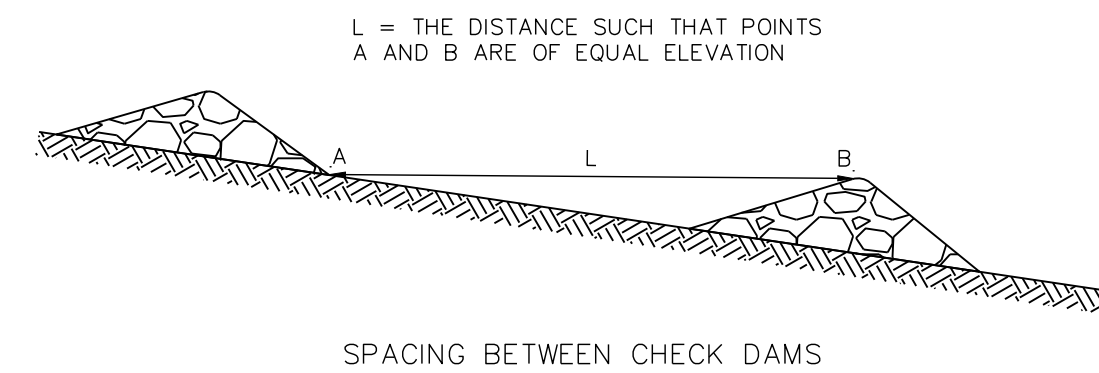
GENERAL NOTES
GEOTEXTILE FABRIC SHALL BE SPLICED TOGETHER WITH A SEWN SEAM ONLY AT A SUPPORT POST. TWO SECTIONS OF FENCE MAY BE OVERLAPPED INSTEAD, PAYMENT OF ADDITIONAL MATERIAL FOR OVERLAP WILL NOT BE MADE.

FIGURE A-7

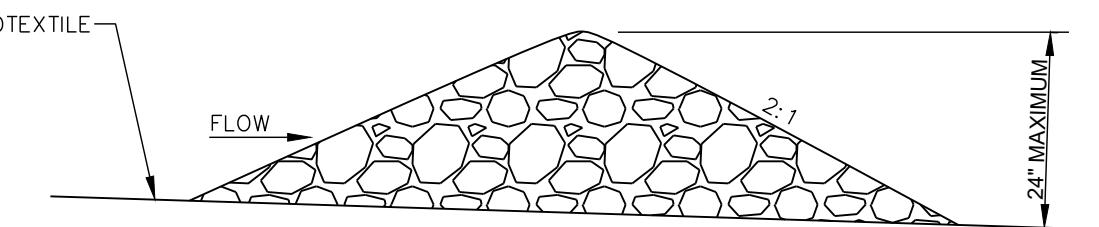
B-15

11/1/16

SB SILT FENCE
NOT TO SCALE



CD STONE CHECK DAM
NOT TO SCALE



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REVISIONS DATE

CITY OF JONESBORO SUBDIVISION 2024-01-17

PROJECT MANAGER: DLS

DRAWING BY: CAH

JURISDICTION: CITY OF JONESBORO, AR

DATE: 2024-01-17

SCALE: AS SHOWN

TITLE:

EROSION CONTROL DETAILS

SHEET NUMBER:

C-8

COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1641.022

TS DISTURBED AREA STABILIZATION
(WITH TEMPORARY SEEDING)

PLANTS, PLANTING RATES AND PLANTING DATES FOR TEMPORARY COVER
OR COMPANION CROPS

SPECIES	BROADCAST RATES 1/ - PLS 2/ PER ACRE - PER SQ. FT.		RESOURCE AREA 3/	PLANTING DATES BY RESOURCE AREAS PLANTING DATES (SOLID LINES INDICATE OPTIMUM DATES DOTTED LINES INDICATE PERMISSIBLE BUT OPTIONAL DATES)												REMARKS
				J	F	M	A	M	J	J	A	S	O	N	D	
BARLEY (HORDEUM VULGARE) ALONE IN MIXTURES	3 BU (144 LBS) 1/2 BU (24 LBS)	3.3 LB 0.6 LB	M-L P C													14,000 SEED PER POUND. WINTER HARDY USE ONLY ON PRODUCTIVE SOILS.
LESPEDeza ANNUAL (LEZPEDEZA STRIADA) ALONE IN MIXTURES	40 LBS 0.9 LB 10 LBS 0.2 LB		M-L P C													200,000 SEED PER POUND. MAY VOLUNTEER FOR SEVERAL YEARS. USE INOCULATE EL.
LOVEGRASS, WEEPING (ERAGROSTIS BURNIOLA) ALONE IN MIXTURES	4 LBS 0.1 LB 2 LBS 0.5 LB		M-L P C													1,500,000 SEED PER POUND. MAY LAST SEVERAL YEARS. MIX WITH SERICEA LESPEDEZA.
MILLET, BROWNTOP (PANDIUM FASCIOLATUM) ALONE IN MIXTURES	40 LBS 0.9 LB 10 LBS 0.2 LB		M-L P C													137,000 SEED PER POUND. QUICK DENSE COVER. WILL PROVIDE TOO MUCH COMPETITION IN MIXTURES IF SEEDS AT HIGH RATE.
MILLET, PEARL (PENNESETUM GLAUCUM) ALONE IN MIXTURES	50 LBS 1.1 LB		M-L P C													88,000 SEED PER POUND. QUICK DENSE COVER. MAY REACH 5 FEET IN HEIGHT. NOT RECOMMENDED FOR MIXTURES.
OATS (AVENA SATIVA) ALONE IN MIXTURES	4 BU (128 LBS) 1 BU (32 LBS)	2.9 LB 0.7 LB	M-L P C													13,000 SEED PER POUND. USE ON PRODUCTIVE SOILS. NOT AS WINTERHARDY AS RYE OR BARLEY.
RYE (SECALE CEREALE) ALONE IN MIXTURES	3 BU (168 LBS) 1/2 BU (28 LBS)	3.9 LB 0.6 LB	M-L P C													16,000 SEED PER POUND. QUICK COVER. DROUGHT TOLERANT AND WINTERHARDY.
RYEGRASS ANNUAL (LOLIUM TEMULENTUM) ALONE	40 LBS 0.9 LB		M-L P C													227,000 SEED PER LB. DENSE COVER. VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES.
SUDANGRASS (SORGHUM SUJANENSE) ALONE	60 LBS 1.4 LB		M-L P C													55,000 SEED PER LB. GOOD ON COASTAL PLAIN AND IS NOT TO BE USED IN MIXTURES.
TRITICALE (X=TRITICOSECALE) ALONE IN MIXTURES	3 BU (144 LBS) 1/2 BU (24 LBS)	3.3 LB 0.6 LB	C													USE ON LOWER PART OF SOUTHERN COASTAL PLAIN AND IN ATLANTIC COASTAL FLATWOODS ONLY.
WHEAT (TRITICUM AESTIVUM) ALONE IN MIXTURES	3 BU (180 LBS) 1/2 BU (30 LBS)	4.1 LB 0.7 LB	M-L P C													15,000 SEED PER POUND. WINTERHARDY

- 1/ TEMPORARY COVER CROPS ARE VERY COMPETITIVE AND WILL CROWN OUT PERENNIALS IF SEEDED TOO HEAVILY.
2/ REDUCE SEEDING RATES BY 50% WHEN DRILLED.
3/ PLS IS AN ABBREVIATION FOR PURE LIVE SEED.
4/ M-L REPRESENTS THE MOUNTAIN, BLUE RIDGE, RIDGES AND VALLEYS MLP'S
P REPRESENTS THE SOUTHERN PIEDMONT MIRA
C REPRESENTS SOUTHERN COASTAL PLAIN, SAND HILLS, BLACK HILLS, BLACK LANDS, AND ATLANTIC COASTAL FLATWOODS MIRA'S

MU DISTURBED AREA STABILIZATION
(WITH MULCHING ONLY)

MULCHING WITHOUT SEEDING
THIS STANDARD APPLIES TO GRADES OR CLEARED AREAS WHERE SEEDINGS MAY NOT
HAVE A SUITABLE GROWING SEASON TO PRODUCE AN EROSION RETARDANT COVER, BUT CAN BE
ESTABLISHED WITH A MULCH COVER.

SITE PREPARATION
GRADE TO ALLOW THE USE OF EQUIPMENT FOR APPLYING AND ANCHORING MULCH.
2. INSTALL NEEDED EROSION CONTROL MEASURES AS REQUIRED SUCH AS Dikes, DIVERSIONS,
BENING, TERRACES AND SEDIMENT BARRIERS.
3. LOOSEN COMPACT SOIL TO A MINIMUM DEPTH OF 3 INCHES.

MULCHING MATERIALS
SELECT ONE OF THE FOLLOWING MATERIALS AND APPLY AT THE DEPTH INDICATED:
1. DRY STRAW OR HAY SHALL BE APPLIED AT THE DEPTH OF 2 TO 4 INCHES PROVIDING
COMPLETE SOIL COVERAGE. ONE ADVANTAGE OF THIS MATERIAL IS EASY APPLICATION.
2. WOOD WASTE (CHIPS, SAWDUST OR BARK) SHALL BE APPLIED AT A DEPTH OF 2 TO 3
INCHES. ORGANIC MATERIAL FROM THE CLEARING STAGE OF DEVELOPMENT SHOULD REMAIN
ON SITE, BE CHIPPED, AND APPLIED AS MULCH. THIS METHOD OF MULCHING CAN GREATLY
REDUCE EROSION CONTROL COSTS.
3. CUTBACK ASPHALT (SLOW CURING) SHALL BE APPLIED AT 1200 GALLONS PER ACRE (OR
3/4 GALLON PER SQ. FT.).
4. POLYETHYLENE FILM SHALL BE SECURED OVER BANKS OR STOCKPILED SOIL MATERIAL FOR
TEMPORARY PROTECTION. THIS MATERIAL CAN BE SALVAGED AND RE-USED.

APPLYING MULCH
WHEN MULCH IS USED WITHOUT SEEDING, MULCH SHALL BE APPLIED TO PROVIDE FULL
COVERAGE OF THE EXPOSED AREA.

1. DRY STRAW OR HAY MULCH OR WOOD CHIPS SHALL BE APPLIED UNIFORMLY BY HAND OR
BY MECHANICAL EQUIPMENT.
2. THE AREA WILL EVENTUALLY BE COVERED WITH PERENNIAL VEGETATION. 20-30 POUNDS
OF NITROGEN PER ACRE IN ADDITION TO THE NORMAL AMOUNT SHALL BE APPLIED TO
OFFSET THE UPTAKE OF NITROGEN CAUSED BY THE DECOMPOSITION OF THE ORGANIC
MULCHES.
3. CUTBACK ASPHALT SHALL BE APPLIED UNIFORMLY. CARE SHOULD BE TAKEN IN AREAS OF
PEDESTRIAN TRAFFIC DUE TO PROBLEMS OF "TRACKING IN" OR DAMAGE TO SHOES.
4. APPLY POLYETHYLENE FILM ON EXPOSED AREAS.

ANCHORING MULCH
1. STRAW OR HAY MULCH CAN BE PRESSED INTO THE SOIL WITH A DISK HARROW WITH THE
DISK SET STRAIGHT OR WITH A SPECIAL "PACKER DISK." DISKS MAY BE SMOOTH OR
SERIATED, AND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 8 TO 12 INCHES
APART. THE EDGES OF THE DISK SHOULD BE DULL ENOUGH NOT TO CUT THE MULCH BUT
TO PRESS IT INTO THE SOIL LEAVING MUCH OF IT IN AN ERECT POSITION. STRAW OR HAY
MULCH SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION.
2. STRAW OR HAY MULCH SPREAD WITH THE SPECIAL BLOWER-TYPE EQUIPMENT MAY BE
ANCHORED WITH EMULSIFIED ASPHALT (GRADE AE-5 OR SS-1). THE ASPHALT EMULSION
SHALL BE SPRAYED ONTO THE MULCH AS IT IS EJECTED FROM THE MACHINE. USE 100
GALLONS OF EMULSIFIED ASPHALT AND 100 GALLONS OF WATER PER TON OF MULCH.
TACKLERS AND BRIDERS CAN BE SUBSTITUTED FOR EMULSIFIED ASPHALT. PLEASE REFER
TO SPECIFICATION TB-1 TACKLER AND BRIDERS. PLASTIC MESH OR NETTING WITH MESH
NO LARGER THAN ONE INCH BY ONE INCH SHALL BE INSTALLED ACCORDING TO
MANUFACTURER'S SPECIFICATIONS.
3. NETTING OF THE APPROPRIATE SIZE SHALL BE USED TO ANCHOR WOOD WASTE, OPENINGS
CHIPS.
4. NETTING OF THE APPROPRIATE SIZE SHALL BE ANCHOR TRENCHED AT THE TOP AS WELL AS
INCREMENTALLY AS NECESSARY.

MULCHING WITH SEEDING

MULCH IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLIED TO
SEEDING AREAS SHALL ACHIEVE 75% SOIL COVER.

DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS CAN BE USED. DRY
STRAW SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. DRY HAY SHALL BE APPLIED
AT A RATE OF 1 1/2 TONS PER ACRE.

APPLYING MULCH
STRAW OR HAY MULCH SHALL BE SPREAD UNIFORMLY WITHIN 24 HOURS AFTER SEEDING
AND/OR PLANTING. THE MULCH MAY BE SPREAD BY BLOWER-TYPE SPREADING EQUIPMENT,
OTHER SPREADING EQUIPMENT OR BY HAND. MULCH SHALL BE APPLIED TO COVER 75% OF
THE SOIL SURFACE.

ANCHORING MULCH
STRAW OR HAY MULCH SHALL BE PRESSED INTO THE SOIL IMMEDIATELY AFTER THE MULCH IS
SPREAD. A SPECIAL "PACKER DISK" OR DISK HARROW WITH THE DISKS SET STRAIGHT MAY BE
USED. THE DISKS MAY BE SMOOTH OR SERIATED AND SHOULD BE 20 INCHES OR MORE
DIAMETER AND 8 TO 12 INCHES APART. THE EDGES OF THE DISKS SHALL BE DULL ENOUGH
TO PRESS THE MULCH INTO THE GROUND WITHOUT CUTTING IT, LEAVING MUCH OF IT IN AN
ERECT POSITION. MULCH SHALL NOT BE FLOUED INTO THE SOIL.

PS DISTURBED AREA STABILIZATION
(WITH PERMANENT VEGETATION)

PLANTS, PLANTING RATES AND PLANTING DATES FOR PERMANENT COVER

SPECIES	BROADCAST RATES 1/ - PLS 2/ PER ACRE..... 1000 SQ. FT.	RESOURCE AREA 3/	PLANTING DATES BY RESOURCE AREAS PLANTING DATES (SOLID LINES INDICATE OPTIMUM DATES DOTTED LINES INDICATE PERMISSIBLE BUT OPTIONAL DATES)												REMARKS
			J	F	M	A	M	J	J	A	S	O	N	D	
BAHIA, PENSACOLA (PASPALUM NOTATUM) ALONE OR WITH TEMPORARY COVER WITH OTHER PERENNIALS	 60 LBS 1.4 LB 30 LBS 0.7 LB	 P C													166,000 SEED PER POUND. LOW GROWING. SOD FORMING. SLOW TO ESTABLISH. PLANT WITH COMPANION CROPS. WILL SPREAD INTO BERMAPDA PASTURES AND LAWNS. MIX WITH SERICEA LESPEDEZA OR WEEPING LOVEGRASS.
BAHIA, WILMINGTON (PASPALUM NOTATUM) ALONE OR WITH TEMPORARY COVER WITH OTHER PERENNIALS	 60 LBS 0.2 LB 30 LBS 0.1 LB	 M-L P													166,000 SEED PER POUND. LOW GROWING. SOD FORMING. SLOW TO ESTABLISH. PLANT WITH COMPANION CROPS. WILL SPREAD INTO BERMAPDA PASTURES AND LAWNS. MIX WITH SERICEA LESPEDEZA OR WEEPING LOVEGRASS.
BERMAPDA, COMMON (CYNODON DACTYLON) HULLED SEED ALONE OR WITH TEMPORARY COVER WITH OTHER PERENNIALS	 10 LBS 0.2 LB 6 LBS 0.1 LB	 P C													1,787,000 SEED PER POUND. QUICK COVER. LOW GROWING AND SEED FORMING. FULL SUN. GOOD FOR ATHLETIC FIELD.
BERMAPDA, COMMON (CYNODON DACTYLON) UNHULLED SEED WITH TEMPORARY COVER WITH OTHER PERENNIALS	 10 LBS 0.2 LB 6 LBS 0.1 LB	 P C													PLANT WITH WINTER ANNUALS. PLANT WITH TALL FESCUE.
BERMAPDA SPRIGS (CYNODON DACTYLON) COASTAL COMMON, MIDLAND OR TIFT 44 COASTAL COMMON, OR TIFT 44 TIFT 78	40 CU. FT. 0.9 CU. FT. OR 500 POUNDS 3'X3'	M-L P C C													A CUBIC FT. CONTAINS APPROX. 650 SPRIGS. A BUSHEL CONTAINS 1.25 CU. FT. OR APPROX. 650 SPRIGS SAME AS ABOVE
CENTPEDE (EREMOCHOLA OPHIUROIDES)	BLACK SOO ONLY	P C													DROUGHT TOLERANT. FULL SUN OR PARTIAL SHADE. EFFECTIVE ADJUNCT TO CONCRETE AND IN CONCENTRATED FLOW AREAS. IRRIGATION IS NEEDED UNTIL FULLY ESTABLISHED. DO NOT PLANT NEAR PASTURES.
CROWN VETCH (CORONILLA VARIA)	15 LBS. 0.3 LB	M-L P													100,000 SEED PER LB. DENSE GROWTH. DROUGHT TOLERANT AND FIRE RESISTANT. ATTRACTIVE ROSE, PINK, AND WHITE BLOSSOMS SPRING TO LATE FALL. MIX WITH 30 LBS. OF TALL FESCUE OR 15 LBS. OF PINE INOCULATE SEED WITH M. INOCULANT. USE FROM NORTH ATLANTA AND NORTHWARD.
FESCUE TALL (FESTUCA ARUNDINACEA) ALONE WITH OTHER PERENNIALS	 50 LBS 1.1 LB 30 LBS 0.7 LB	M-L P C													227,000 SEED PER LB. USE ALONE ONLY ON BETTER SITES. NOT FOR DROUGHT SOLE. MIX WITH PERENNIAL LESPEDEZAS OR CROWN VETCH. APPLY TOPDRESSING IN SPRING. FOLLOWING FALL PLANTINGS. NOT FOR HEAVY USE AREAS OR ATHLETIC FIELDS.
LESPEDeza, SERICEA (LESPEDeza CUNEATA) SCARIFIED UNSCARIFIED SEED-BEARING HAY	 60 LBS 1.4 LB 75 LBS 1.7 LB 3 TONS 138 LB	M-L P C M-L P C P C													350,000 SEED PER LB. WIDELY ADAPTED. LOW MAINTENANCE. MIX WITH WEEPING LOVEGRASS, COMMON BERMAPDA, BAHIA, OR TALL FESCUE. TAKES 2-3 YEARS TO BECOME FULLY ESTABLISHED. EXCELLENT ON ROAD BANKS. INOCULATE SEEDS WITH LL INOCULANT. MIX WITH TALL FESCUE OR WINTER ANNUALS.
LESPEDeza, AMBRO VIRGATA (LESPEDeza VIRGATA DC.) OR APPALOW (LESPEDeza CUNEATA DUMONT G. DON) SCARIFIED UNSCARIFIED	 60 LBS 1.4 LB 75 LBS 1.7 LB	M-L P C M-L P C													300,000 SEED PER LB. HEIGHT OF GROWTH IS 18 TO 24 INCHES. ADVANTAGEOUS IN URBAN GROWTH. NEW GROWTH WITH BRONZE COLORATION. MIX WITH SERICEA LESPEDeza. SLOW TO DEVELOP SOIL STANDS. INOCULATE SEED WITH LL INOCULANT.
LESPEDeza, SHRUB (LESPEDeza BICOLOR (LESPEDeza THUMBERGI) PLANTS	3'X3'	M-L P C													PROVIDE WILDLIFE FOOD AND COVER
LOVEGRASS, WEEPING (ERAGROSTIS CURVULA) ALONE WITH OTHER PERENNIALS	 4 LBS 0.1 LB 2 LBS 0.5 LB	M-L P C													1,500,000 SEED PER POUND. QUICK COVER. DROUGHT TOLERANT. GROWS WELL WITH SERICEA LESPEDEZA ON ROADBANKS.
MADENICANE (PANICUM HEMISTOMUM) SPRIGS	2'X3' SPACING	ALL													FOR VERY WET SITES. MAY CLOG CHANNELS. DISPERS FROM LOCAL SOURCES. USE ALONG RIVERBANKS AND SHORELINES.
PANICGRASS, ATLANTIC COASTAL (PANICUM AMARUM VAR. AMARULLUM)	20 LBS 0.5 LB	P C													GROWS WELL ON COASTAL SAND DUNES, BORROW AREAS, AND GRAVEL PITS. PROVIDES WINTER COVER FOR WILDLIFE. MIX WITH SERICEA LESPEDeza EXCEPT ON SAND DUNES.
REED CANARY GRASS (PHALARIS ARUNDINACEA) ALONE WITH OTHER PERENNIALS	 50 LBS 1.1 LB 30 LBS 0.7 LB	M-L P													GROWS SIMILAR TO TALL FESCUE
SUNFLOWER, "ATZEC" MAXIMILLIAN (LELIANTHUS MAXIMILLIAN)	10 LB 0.2 LB	M-L P C													227,000 SEED PER POUND. MIX WITH WEEPING LOVEGRASS OR OTHER LOW-GROWING GRASSES OR LEGUMES.

- 1/ REDUCE SEEDING RATES BY 50% WHEN DRILLED.
2/ PLS IS AN ABBREVIATION FOR PURE LIVE SEED. REFER TO SECTION V.E. OF THESE SPECIFICATIONS.
3/ M-L REPRESENTS TO MOUNTAIN, BLUE RIDGE, AND RIDGES AND VALLEYS MIRA'S
P REPRESENTS THE SOUTHERN PIEDMONT MIRA
C REPRESENTS SOUTHERN COASTAL PLAIN, SAND HILLS, BLACK HILLS, BLACK LANDS, AND ATLANTIC COASTAL FLATWOODS MIRA'S

LIME AND FERTILIZER RATES AND ANALYSIS
AGRICULTURAL LIME IS REQUIRED AT THE RATE OF ONE TO TWO TONS PER ACRE UNLESS SOIL
TEST INDICATE OTHERWISE. GRADED AREAS REQUIRE LIME APPLICATION. LIME IS APPLIED
WITHIN SIX MONTHS OF PLANTING PERMANENT PERENNIAL VEGETATION. ADDITIONAL LIME IS NOT
REQUIRED. AGRICULTURAL LIME SHALL BE WITHIN THE SPECIFICATION OF THE STATE.

LIME SPREAD BY CONVENTIONAL EQUIPMENT SHALL BE "GROUND LIMESTONE." GROUND
LIMESTONE IS CALCIUM OR DOLOMITE LIMESTONE GROUND SO THAT 90% OF THE MATERIAL WILL
PASS THROUGH A 10-MESH SIEVE, NOT LESS THAN 20% WILL PASS THROUGH A 50-MESH
SIEVE AND NOT LESS THAN 20% WILL PASS THROUGH A 100-MESH SIEVE. IT IS DESIRABLE TO
USE DOLOMITE LIMESTONE IN THE SAND HILLS, SOUTHERN COASTAL PLAIN AND ATLANTIC
COAST FLATWOODS MIRA'S.

AGRICULTURAL LIME IS GENERALLY NOT REQUIRED WHERE ONLY TREES ARE PLANTED.

PS DISTURBED AREA STABILIZATION
(WITH PERMANENT VEGETATION)

DURABLE SHRUBS AND GROUND COVERS FOR
PERMANENT COVER

GROUND COVERS INCLUDE A WIDE RANGE OF LOW-GROWING PLANTS PLANTED TOGETHER IN
CONSIDERABLE NUMBERS TO COVER LARGE AREAS OF LANDSCAPE. GROUND COVERS GROW SLOWER
THAN GRASSES. WEEDS ARE UNLIKELY TO COMPLETE, ESPECIALLY THE FIRST YEAR. MAINTENANCE NEEDED
TO INSURE SURVIVAL. THESE GROUND COVERS WILL NOT BE USED UNLESS PROPER MAINTENANCE IS
PLANNED. MAINTAIN MULCH WITH AT LEAST A THREE INCH THICKNESS UNTIL PLANTS PROVIDE
ADEQUATE COVER. FALL PLANTING IS ENCOURAGED BECAUSE THE NEED FOR CONSTANT WATERING IS
REDUCED AND PLANTS HAVE TIME TO ESTABLISH NEW ROOTS BEFORE HOT WEATHER.

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COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT	PLANT SPACING	COMMENTS
ALBELIA	ALBELIA GRANDIFLORA	3-4 FT.	5 FT.	ALSO A PROSTRATE FORM 2 FT. HIGH. SUN. SEMI-SHADE. SEMI-EVERGREEN.
CAROLINA YELLOW JESSAMINE	GELSEMIUM SEMPERVIRENS	LOW	3 FT.	VINE. YELLOW TRUMPET-LIKE FLOWERS. HARDY. ONE OF THE BEST VINES. EVERGREEN.
CARPET BLUE	AJUGA REPTANS	2-4 INCHES	3 FT.	NEEDS GOOD DRAINAGE PARTIAL SHADE. BLUE OR WHITE FLOWERS. EVERGREEN.
BEAR BERRY COTONEASTER	COTONEASTER DAMMERI	2-4 FT.	5 FT.	WHITE FLOWERS, RED FRUIT. SUN. EVERGREEN.
GROUND COVER COTONEASTER	COTONEASTER SALICIFOLIUS "REPERTS"	1-2 FT.	5 FT.	WHITE FLOWERS, RED FRUIT. SUN. EVERGREEN.
ROCK COTONEASTER	COTONEASTER	1-2 FT.	5 FT.	SEMI-EVERGREEN. SUN.
VIRGINIA CREEPER	PARTHENOCISSUE QUINQUEFOLIA	LOW	3 FT.	RED IN FALL. VINE. DECIDUOUS.
DAY LILY	HEMOCALLIS SP.	2-3 FT.	2 FT.	MANY FLOWER COLORS. FULL SUN. VERY HARDY.
ENGLISH IVY	HEDERA HELIX	LOW	3 FT.	SHADE ONLY. CLIMBS
COMPACTA HOLLY	ILEX CRENATA COMPACTA	3-4 FT.	5 FT.	SUN. SEMI-SHADE
CHINESE HOLLY	ILEX CORNUTA ROTUNDA	3-4 FT.	5 FT.	VERY DURABLE. SUN. SEMI-SHADE
DWARF BUFFORD HOLLY	ILEX BUFFORDI "NANA"	5-8 FT.	8 FT.	
DWARF YAUPOH HOLLY	ILEX YOMITORIA "NANA"	3-4 FT.	5 FT.	VERY DURABLE. SUN. SEMI-SHADE
REPAENDENS HOLLY	ILEX CRENATA "REPAENDENS"	3-4 FT.	5 FT.	SUN. SEMI-SHADE
ANDORA JUNIPER	JUNIPERUS HORIZONTALIS "PLUMOSA"	2-3 FT.	5 FT.	EXCELLENT FOR SLOPES. SUN
ANDORA COMPACTA JUNIPER	JUNIPERUS HORIZONTALIS "PLUMOSA COR PACTA"	1-2 FT.	5 FT.	MORE COMPACT THAN ANDORA
BLUE CHIP JUNIPER	JUNIPERUS HORIZONTALIS BLUE CHIP	8-10 FT.	4 FT.	
BLUE RUG JUNIPER	JUNIPERUS HORIZONTALIS "MILTONI"	4-8 FT.	3 FT.	VERY LOW. SUN.
PARSONS JUNIPER	JUNIPERUS DAURICA "EXPANSA" (SQUAMATA PARSONI)	18-24 FT.	5 FT.	ONE OF THE BEST. GOOD WINTER COVER.
PRITZER JUNIPER	JUNIPERUS OHNENSIS "PRITZERIANA"	6-8 FT.	6 FT.	NEEDS ROOM
PRINCE OF WALES JUNIPER	JUNIPERUS HORIZONTALIS PRINCE OF WALES	8-10 FT.	4 FT.	FEATHERY APPEARANCE
SARGENT JUNIPER	JUNIPERUS OHNENSIS "SARGENTI"	1-2 FT.	5 FT.	FULL SUN. NEEDS GOOD DRAINAGE. GOOD WINTER COLOR.
SHORE JUNIPER	JUNIPERUS CONFERTA	2-3 FT.	5 FT.	DWARFED SEA OR BLUE PACIFIC CULTIVARS ARE GOOD.
LIROPE	LIROPE MUSCARI	2-3 FT.	5 FT.	
CREEPING LIROPE	LIROPE SPICATA	10-12 INCHES	1 FT.	SPREADS BY NUMBERS
BIG LEAF PERIWINKLE	VINCA MAJOR	10-15 INCHES	4 FT.	LILAC FLOWERS IN SPRING. SEMI-SHADE.
COMMON PERIWINKLE	VINCA MINOR	5-6 INCHES	4 FT.	LAVENDER-BLUE FLOWERS IN SPRING. SEMI-SHADE
CHEERKEE ROSE	ROSE LAEVIGATA	2 FT.	5 FT.	RAMPANT GROWER. NOT FOR RESTRICTED SPACE. STATE FLOWER.
MEMORIA ROSE	ROSA WELCHURIANA	2 FT.	5 FT.	RAMPANT GROWER.
ST. JOHN'S WORT	HYPERICUM CALYCEUM	8-12 INCHES	3 FT.	SEMI-SHADE.
ANTHONY WATERER SPIREA	SPIREA BALMUDA	3-4 FT.	5 FT.	SUN.
THUNBERG SPIREA	SPIREA THINBERGI	3-4 FT.	5 FT.	SUN.

PS DISTURBED AREA STABILIZATION
(WITH PERMANENT VEGETATION)

TREES FOR EROSION CONTROL

TYPES OF SPECIES	SOIL MATERIAL	COMMON SOLS	PLANTING TREE SPECIES 1/	SPACING	PLANTING DATES 3/
BORROW AREAS, GRADED AREAS, AND SPILL MATERIAL	SANDY	LAKELAND	LOBLOLLY PINE (PINUS TAEDA)	2/	M-L, 12/1-3/15 C 12/1-3/1
			LONG LEAF PINE (PINUS PALUSTRIS)		
	LOAMY	ORANGEBURG	LOBLOLLY PINE	2/	M-L, 12/1-3/15 C 12/1-3/1
	CLAY	CEOL	LOBLOLLY PINE SLASH PINE	2/	M-L, 12/1-3/15 C 12/1-3/1
			VIRGINIA PINE (PINUS VIRGINIANA)		
STREAMBANKS			WILLOWS 4/ (SALIX SPECIES)	2 FT. X 2 FT.	ALL 11/15-3/15

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CALIBER COLLISION[®]
RESTORING THE RHYTHM OF YOUR LIFE[™]

3921 S STADIUM BLVD
JONESBORO, CRAIGHEAD CO, AR 72404
SECTION 33, TOWNSHIP 14 N, RANGE 4 E

PROJECT:

SEAL:

PRELIMINARY
NOT FOR CONSTRUCTION

REVISIONS DATE

CITY OF JONESBORO SUBDIVISION 2024-01-17

PROJECT MANAGER: DLS

DRAWING BY: CAH

JURISDICTION: CITY OF JONESBORO, AR

DATE: 2024-01-17

GENERAL LANDSCAPE NOTES:

- WARRANTY: ALL PLANTS SHALL BE WARRANTED TO REMAIN ALIVE, HEALTHY, AND IN THRIVING CONDITION FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE
- PLANTS SHALL MEET DOT SPECIFICATIONS AND AMERICAN STANDARD FOR NURSERY STOCK STANDARDS.
- PLANTS SHALL BE SPECIMEN QUALITY. PLANTS SHALL BE SOUND, HEALTHY AND VIGOROUS, WELL BRANCHED, AND DENSELY FOLIATED WHEN IN LEAF.
- HEIGHT AND SPREAD DIMENSIONS SPECIFIED REFER TO THE MAIN BODY OF THE PLANT AND NOT FROM BRANCH TIP TO TIP. IF A RANGE OF SIZE IS GIVEN, NO PLANT SHALL BE AS LARGE AS THE MAXIMUM SIZE SPECIFIED.
- SHADE TREES SHALL BE STRAIGHT UNLESS OTHERWISE SPECIFIED
- PLANTS SHALL BE SUBJECT TO REVIEW BY OWNER'S REPRESENTATIVE. OWNER'S REPRESENTATIVE SHALL BE THE SOLE JUDGE OF THE QUALITY AND ACCEPTABILITY OF MATERIALS AND PLACEMENT.
- PLANTING PLANS INDICATE DIAGRAMMATIC LOCATIONS ONLY. SITE ADJUSTMENTS OF PLANTING DESIGN AND RELOCATION OF PLANT MATERIAL INSTALLED PRIOR TO OWNER REPRESENTATIVE'S APPROVAL SHALL BE DONE WITHOUT PENALTY OR ADDITIONAL COST TO OWNER. STAKE PLANT LOCATIONS AT SITE AND OBTAIN OWNER REPRESENTATIVE'S APPROVAL PRIOR TO PLANT INSTALLATION.
- PLACE PLANTS UPRIGHT AND TURNED SO THAT THE MOST ATTRACTIVE SIDE IS VIEWED.
- BE FAMILIAR WITH UNDERGROUND UTILITIES BEFORE DIGGING. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ALL DAMAGE OF UTILITY LINES.
- PROVIDE SHOVEL-CUT TRENCH AT SHRUB BEDS IN LAWN AREAS UNLESS OTHERWISE NOTED.
- PROVIDE 3" THICKNESS MULCH AT ALL PLANTS AND PLANTING BEDS. MULCH MUST BE 3" THICK AT TIME OF FINAL WALK-THROUGH. MULCH IN SHRUB AND TREE PLANTING BEDS SHALL BE PINE STRAW UNLESS OTHERWISE NOTED. MULCH IN GROUNDCOVER BEDS TO BE SHREDDED HARDWOOD UNLESS OTHERWISE NOTED.
- MAINTENANCE WORK SHALL BE PERFORMED UNTIL DATE OF FINAL ACCEPTANCE BY OWNER'S REPRESENTATIVE.
- CONTRACTOR'S PRICES SHALL INCLUDE ALL LABOR AND MATERIAL NECESSARY TO COMPLETE THE WORK, I.E. MULCH, PLANTING, SOIL MIX, WOOD AND WIRE STAKING MATERIAL, ETC.
- QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWING SHALL BE FURNISHED. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE OWNER'S REPRESENTATIVE ASSUMES NO LIABILITY FOR OMISSION OR ERRORS. HIS ESTIMATES ARE ONLY AN AID FOR CLARIFICATION OF UNITS AND A CHECK FOR THE CONTRACTOR TO COMPARE WITH HIS OWN ESTIMATES. DIFFERENCES SHALL BE BROUGHT TO THE ATTENTION OF OWNER'S REPRESENTATIVE. NO EXTRA COMPENSATION SHALL BE ALLOWED FOR EXTRA QUANTITIES NECESSARY TO COMPLETE THE WORK.
- WHERE LANDSCAPING AREAS ADJOIN GRASSED RIGHTS-OF-WAY, SUCH AREAS SHALL BE CONSIDERED PART OF THE LANDSCAPED AREA FOR PURPOSES OF MAINTENANCE. AS OF COMPLETION OF SITE IMPROVEMENTS, THE PROPERTY OWNER SHALL HAVE AN IMPLIED EASEMENT OF THE RIGHT-OF-WAY EXTENDING FROM THE SITE TO THE ROAD PAVEMENT IN ORDER TO COMPLETE THE REQUIRED MAINTENANCE.
- CONTRACTOR TO DESIGN-BUILD IRRIGATION SYSTEM TO PROVIDE 100% COVERAGE OF NEW PLANT MATERIAL. IRRIGATION HEADS TO BE INSTALLED FLUSH WITH GRADE.

LANDSCAPE REQUIREMENTS:

SITE LANDSCAPE:
20% GREEN SPACE REQUIRED.
(1) TREE OR (1) SHRUB PER 2,000 SF

GREEN SPACE
20% x 99,536 SF = 19,908 SF REQUIRED
24,189 SF PROPOSED

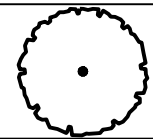
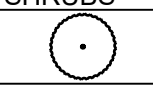

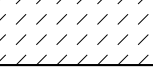
TOTAL SITE LANDSCAPE PLANTINGS
99,536 SF / 2,000 SF = 50 PLANTS REQUIRED
50 PLANTS PROPOSED

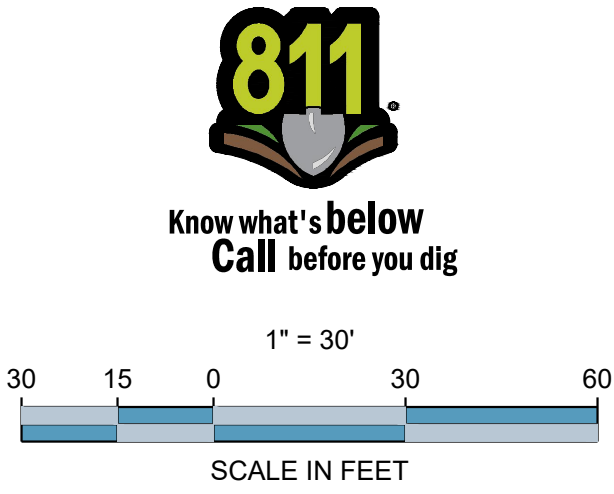
NATIVE PLANTS
40% x 50 PLANTS = 20 NATIVE PLANTS REQUIRED
50 NATIVE PLANTS PROPOSED

40% TREES
25% x 50 PLANTS = 13 TREES REQUIRED
13 TREES PROPOSED

PARKING LOT LANDSCAPE:
(1) TREE PER (15) SPACES.
89 SPACES / 15 SPACES = 6 TREES REQUIRED
6 TREES PROPOSED

PLANT SCHEDULE

SYMBOL	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	
TREES						
	19	QUERCUS SHUMARDII / SHUMARD RED OAK	B&B	2.5" CAL	8' MIN. HT.	
SYMBOL	QTY	BOTANICAL / COMMON NAME	CONT	SIZE		SPACING
SHRUBS						
	31	ILEX CORNUTA 'NEEDLEPOINT' / NEEDLEPOINT HOLLY	3 GAL			36" o.c.
SYMBOL	QTY	BOTANICAL / COMMON NAME	CONT			SPACING
SOD/SEED						
	46,283 SF	CYNODON DACTYLON 'TIF 419' / BERMUDA GRASS	SOD			
	10,905 SF	SEEDING	SEED			



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DEVELOPER:

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CONTACT: MEAGAN VIEREN

PROJECT:

CALIBER COLLISION
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3921 S STADIUM BLVD
JONESBORO, CRAIGHEAD CO., AR 72404
SECTION 33, TOWNSHIP 14 N, RANGE 4 E

SEAL:

THESE PLANS WERE PREPARED UNDER THE
SUPERVISION AND DIRECTION OF

JASON WECKERLY, RLA #8532

THESE PLANS ARE RELEASED FOR INITIAL
REVIEW PURPOSES ONLY.

THIS DOCUMENT IS PRELIMINARY IN
NATURE AND IS NOT A FINAL, SIGNED AND
SEALED DOCUMENT

REVISIONS DATE

PROJECT MANAGER: DLS

DRAWING BY: SE

JURISDICTION: CITY OF JONESBORO, AR

DATE: 2024-01-17

SCALE: 1" = 30'

TITLE:

LANDSCAPE PLAN

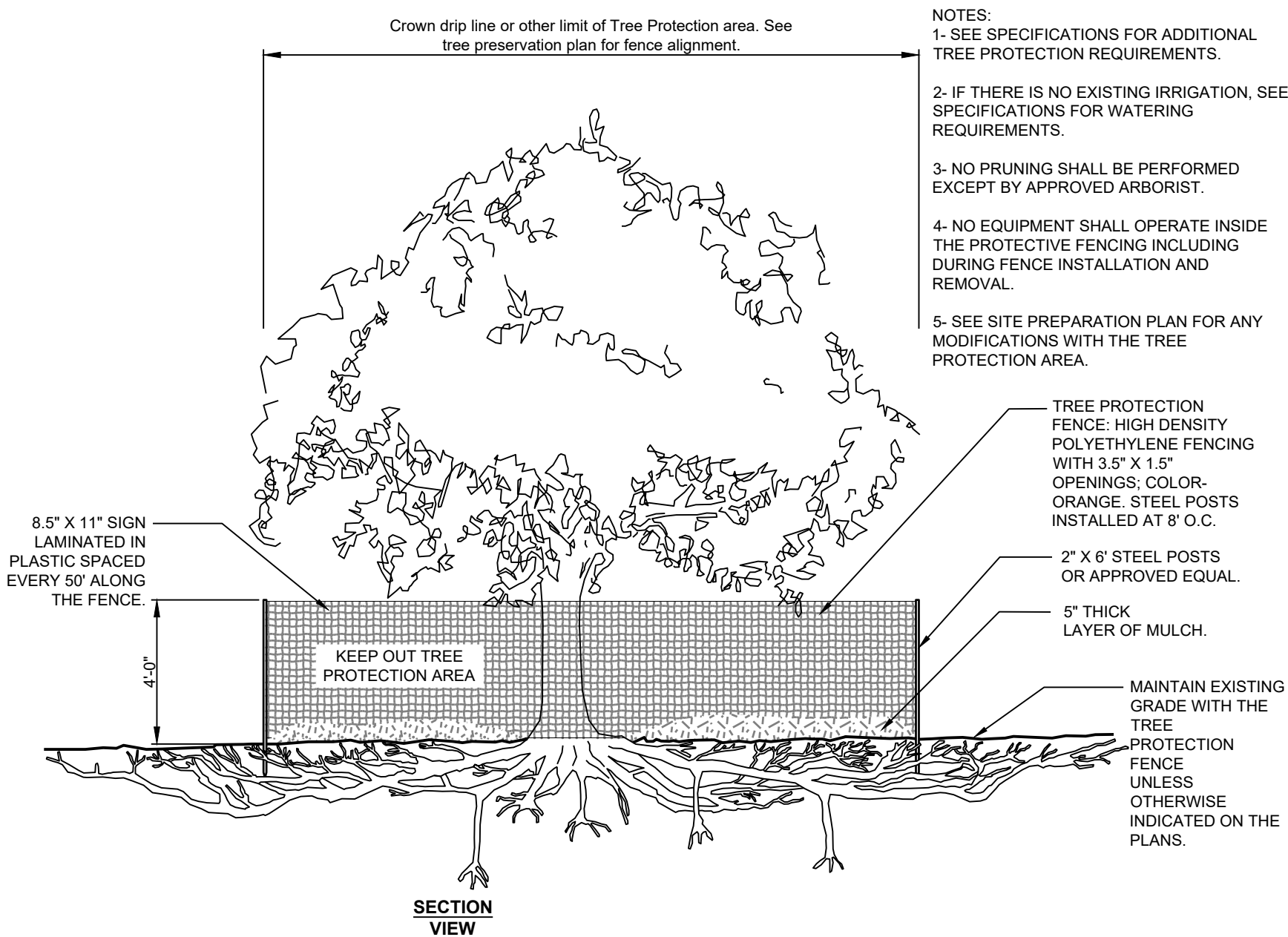
SHEET NUMBER:

L-1

COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1641.022

P:\1641.022\CALIBER COLLISION\CONSTRUCTION\REVISED\1. LANDSCAPE DETAILS.dwg Plot Date: 11/20/2024 3:47:56 PM By: STEVEN CALDWELL Sheet 5 of 11

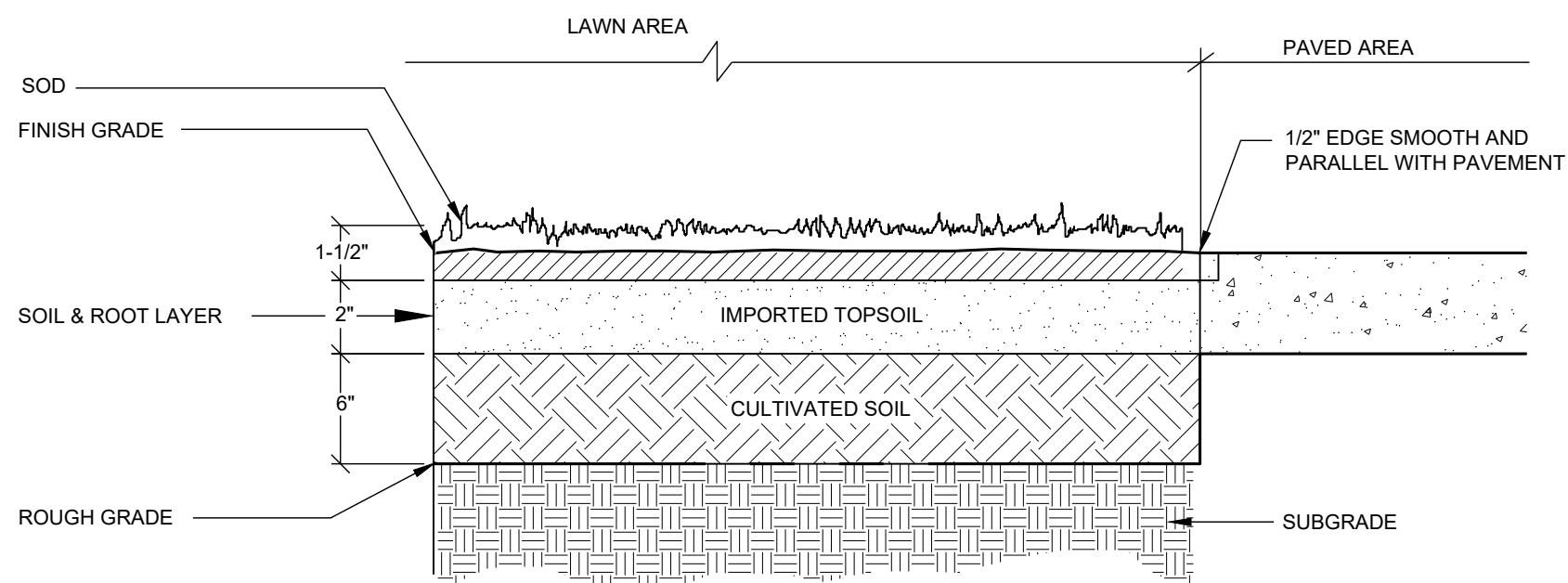


4 TREE PROTECTION

1/4" = 1'-0"

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FX-PL-FX-TRMT-02



SODDING PROCEDURE:

1. PREPARE FINISH GRADE (AS PER SPECIFICATIONS)
2. APPLY LIME & FERTILIZER & ROTO-TIL (AS PER SOIL TEST)
3. LAY SOD & WATER THOROUGHLY

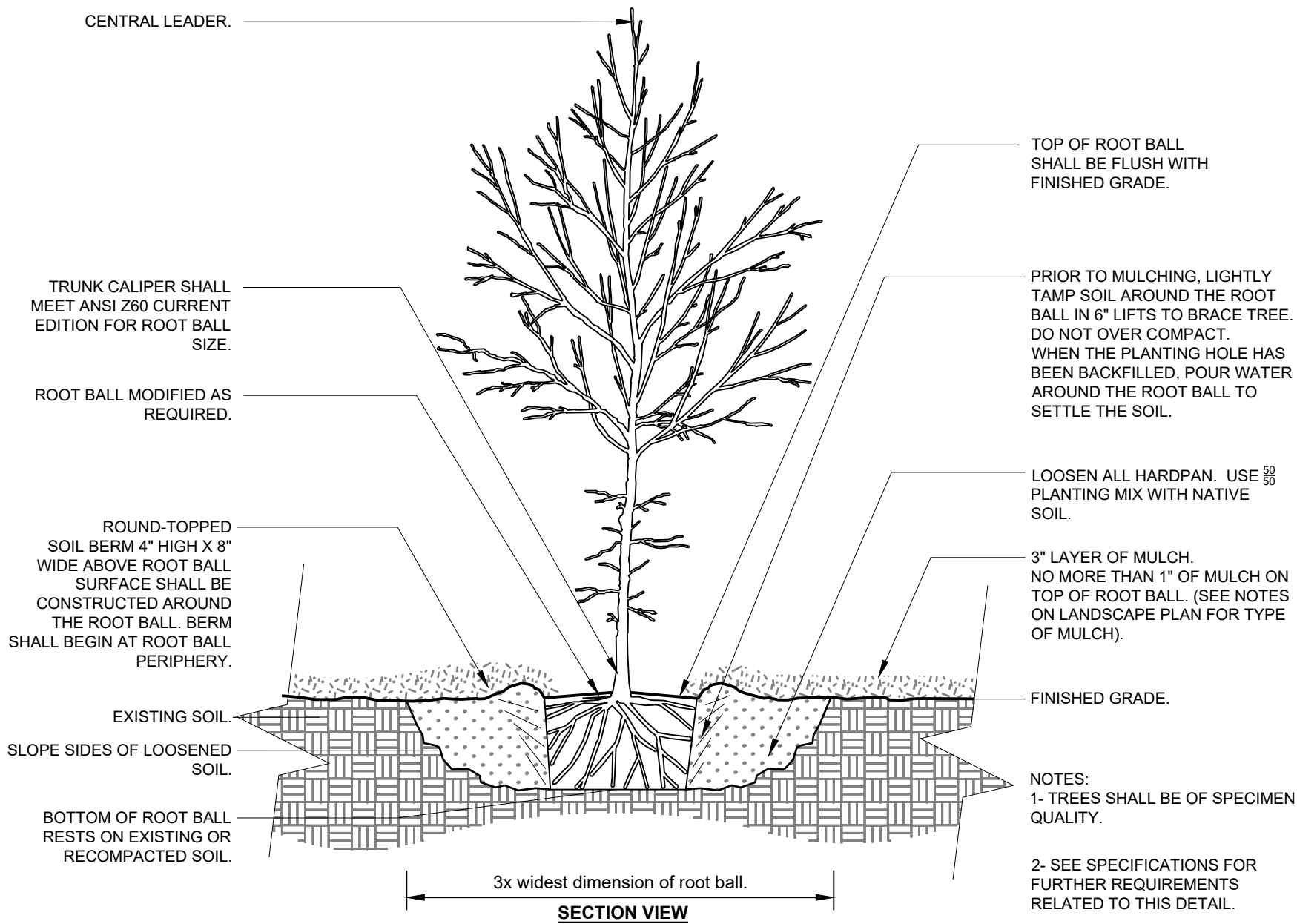
NOTE: INSTALL SOD SO THAT TOP OF SOIL AND ROOT LAYER IS LEVEL WITH TOP OF PAVEMENT.

1 SOD INSTALLATION

NOT TO SCALE

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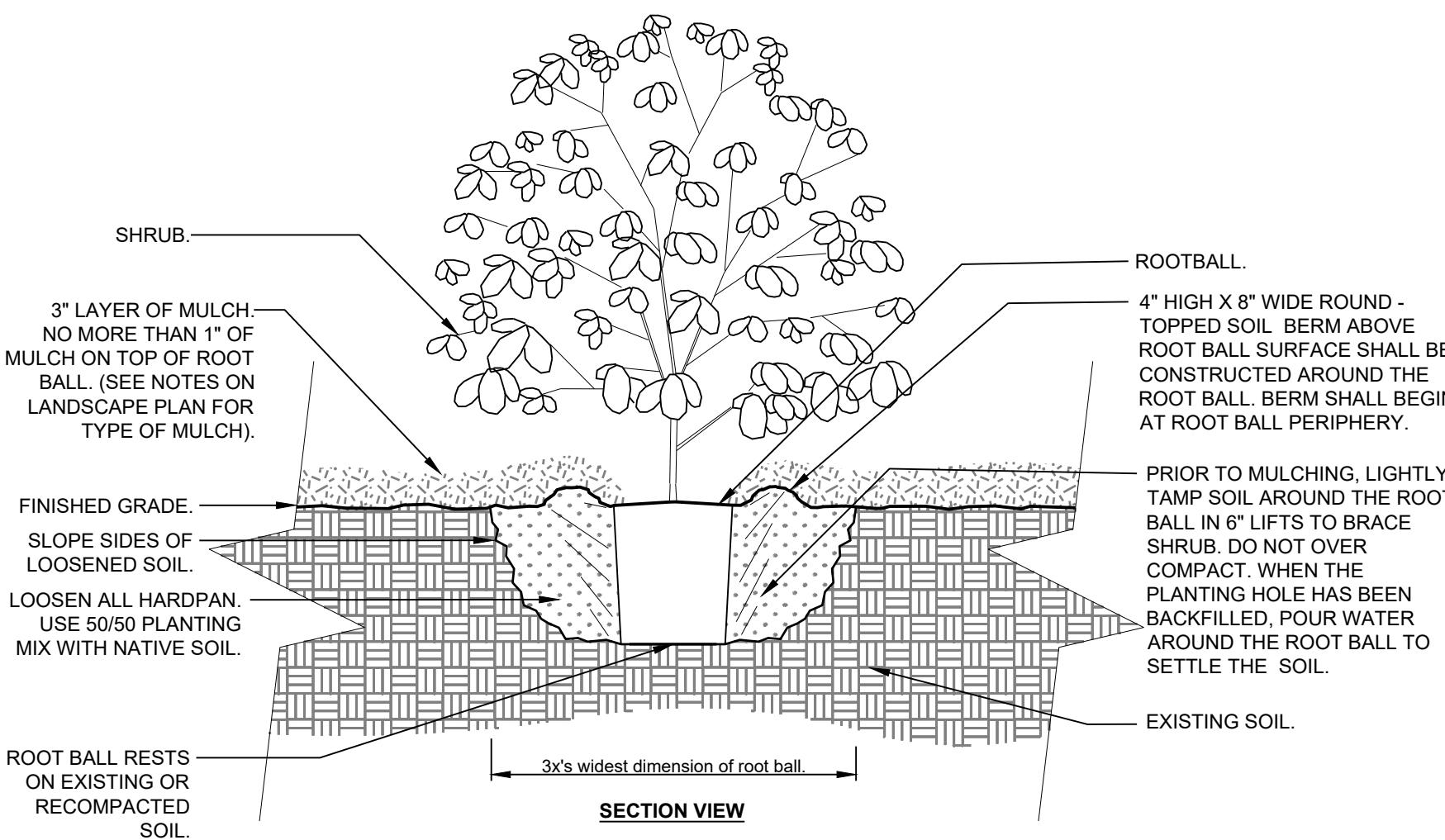


2 TREE PLANTING

1/2" = 1'-0"

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NOTES:

- 1- SHRUBS SHALL BE OF SPECIMEN QUALITY.
- 2- SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL.

3 SHRUB PLANTING

3/4" = 1'-0"

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REVISIONS

DATE

PROJECT MANAGER: DLS

DRAWING BY: SE

JURISDICTION: CITY OF JONESBORO, AR

DATE: 2024-01-17

SCALE: AS SHOWN

TITLE:

LANDSCAPE DETAILS

SHEET NUMBER:

L-2

COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1641.022