

CONSTRUCTION PLANS FOR THE CITY OF ROCKMART, GEORGIA HISTORIC ROCKMART EVENT CENTER SEPTEMBER 2024

ELECTED OFFICIALS

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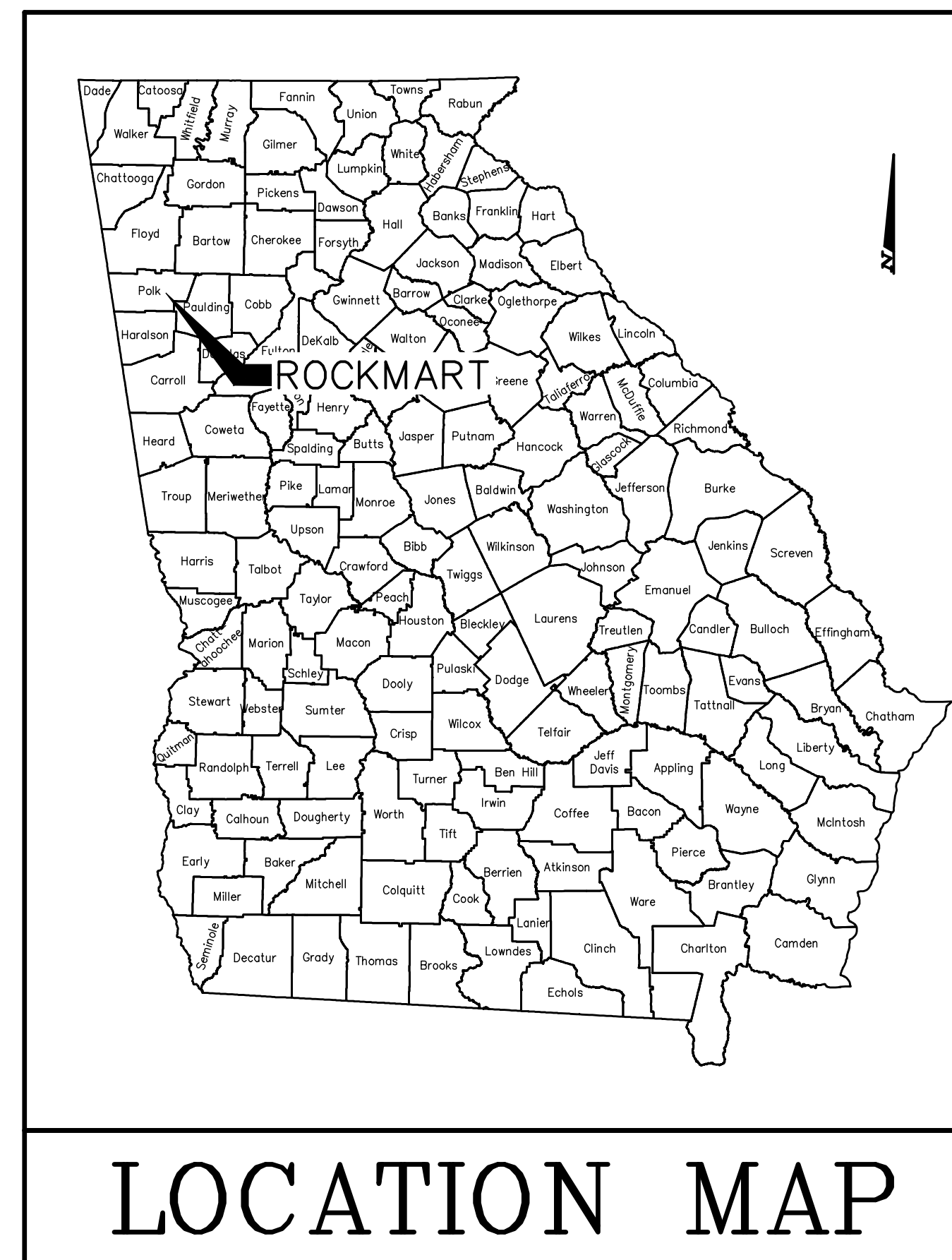
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INDEX OF DRAWINGS

SHEET	TITLE
C101	COVER SHEET
C102	PROJECT MAP
C201	PROJECT NOTES (1 OF 4)
C202	PROJECT NOTES (2 OF 4)
C203	PROJECT NOTES (3 OF 4)
C204	PROJECT NOTES (4 OF 4)
C301	EXISTING CONDITIONS
C302	DEMOLITION PLAN
C401	SITE PLAN
C501	GRADING AND DRAINAGE PLAN
C502	GRADING PLAN DETAILED VIEW
C601	WATER AND SEWER PLAN
C602	PUMP STATION DETAILS
C603	PUMP STATION NOTES
C604	ELECTRICAL NOTES
C605	STANDARD WATER AND SEWER DETAILS
C701	INITIAL EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN
C702	INTERMEDIATE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN
C703	FINAL EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN
C704	EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN CHECKLIST
C705	EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN CHECKLIST, CONT.
C706	EROSION, SEDIMENTATION AND POLLUTION CONTROL DETAILS
C707	SOILS MAP AND FLOOD MAP
C708	STORMWATER MONITORING PLAN
C801	CONSTRUCTION DETAILS
C802	DROP INLET DETAIL
C803	HEADWALL DETAIL

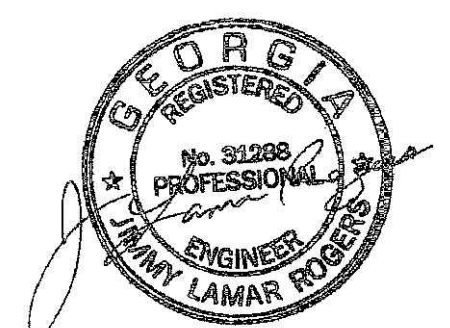
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PROJECT NO.: 182208.001



ATLANTA
AUGUSTA
ST. SIMONS ISLAND

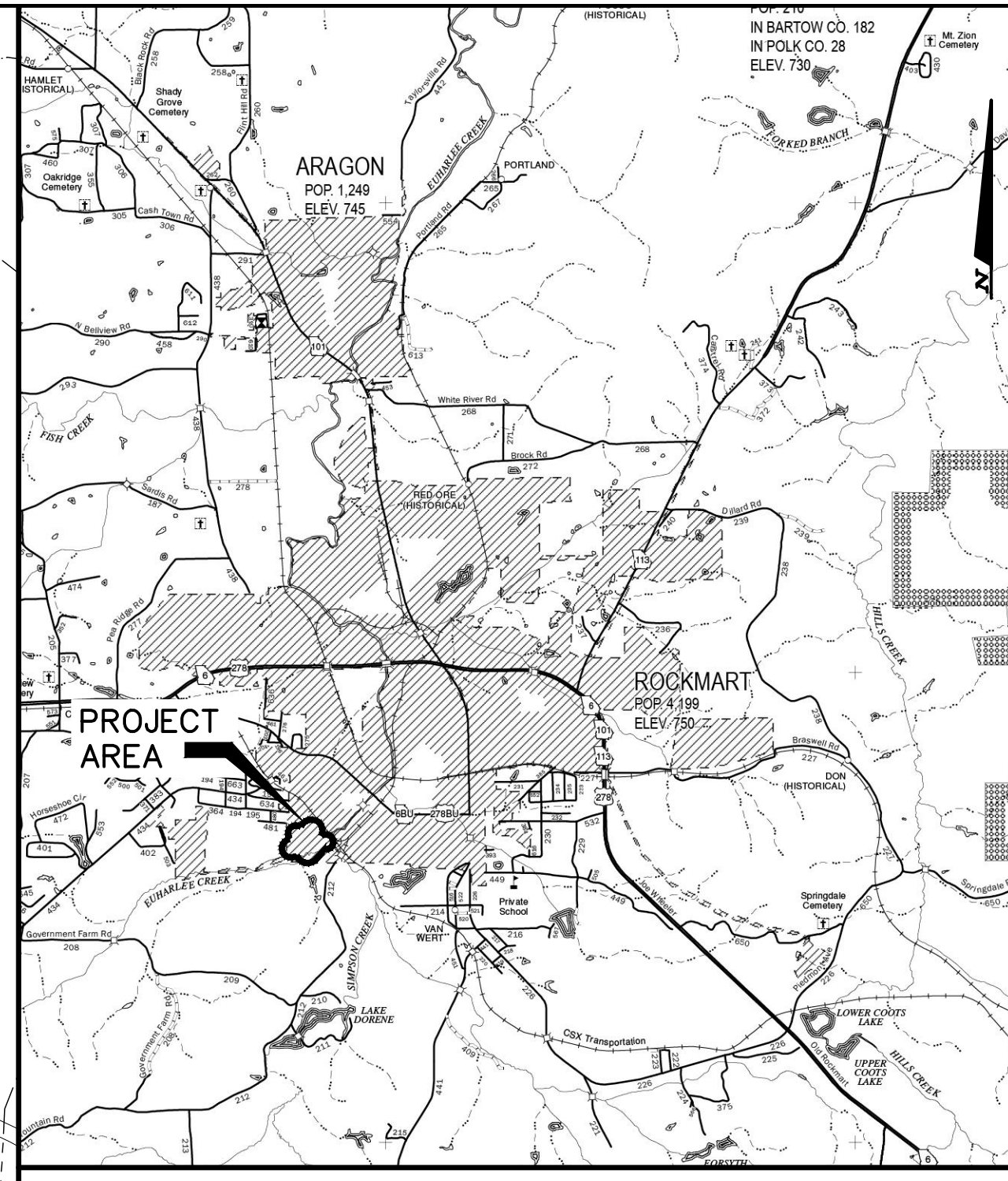
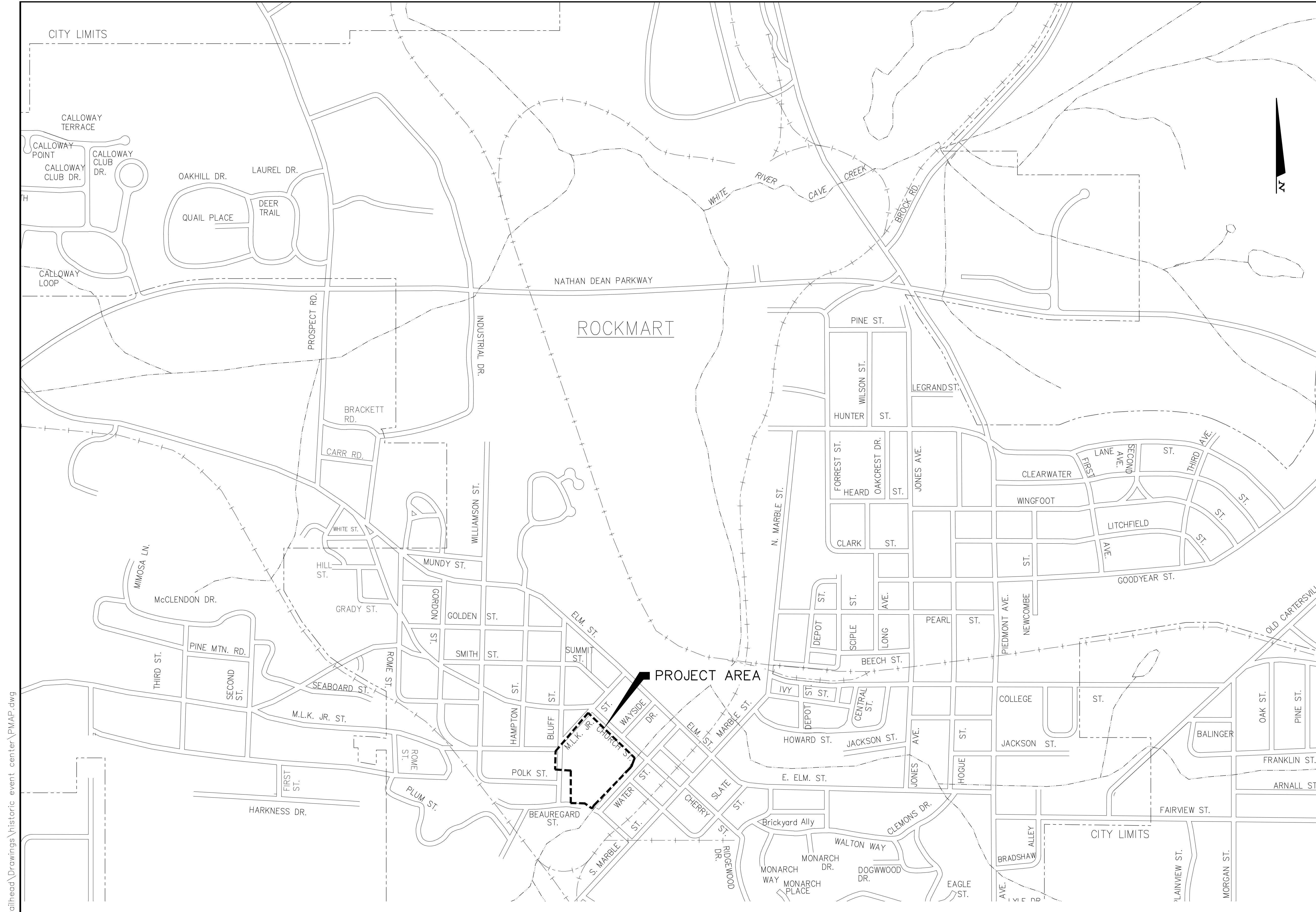


Know what's below.
Call before you dig.



GSWCC CERTIFICATION NO. 22351

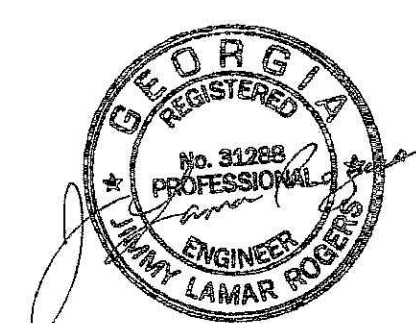
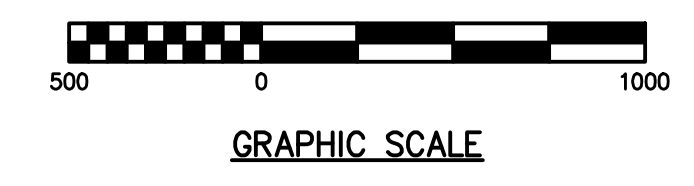
SHEET
C101



VICINITY MAP 1" = 5,000'

LEGEND

- CITY LIMITS
- RIVERS / CREEKS / LAKES
- ROADS
- PROJECT BOUNDARY



GSWCC CERTIFICATION NO. 22351

REVISIONS		CITY OF ROCKMART, GEORGIA HISTORIC ROCKMART EVENT CENTER	
PROJECT MAP			
DRAWN	CHECKED	SCALE: AS SHOWN DATE: SEPTEMBER 2024	
SPS	JLR		
		ATLANTA AUGUSTA ST. SIMONS ISLAND	SHEET C102

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GENERAL NOTES

- THE LOCATION OF ALL EXISTING UTILITY LINES ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES BEFORE BEGINNING CONSTRUCTION. THE CONTRACTOR MUST CALL UTILITIES PROTECTION, INC. "CALL BEFORE YOU DIG" TELEPHONE NUMBER 811.
- ALL WORK TO BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE DEPARTMENT OF TRANSPORTATION OF GEORGIA, CURRENT EDITION, AND SUPPLEMENTS THERETO AS APPLICABLE TO THIS PROJECT.
- CONSTRUCTION DETAILS ARE PER GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD DETAILS. THE CONTRACTOR CAN PURCHASE THE STANDARD DETAILS FROM THE DEPARTMENT OF TRANSPORTATION, ATLANTA, GEORGIA.
- THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS, OR INDICATED IN ANY WAY THEREBY, WHETHER BY DRAWINGS OR NOTES OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE CITY OF ROCKMART, GEORGIA IN ANY WAY. ONLY THE ACTUAL QUANTITIES COMPLETED AND ACCEPTED WILL BE PAID FOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT OF ALL CONSTRUCTION ELEMENTS WITH FIELD ADJUSTMENTS AS NECESSARY.
- ALL DIMENSION ANGLES ARE 90° (DEGREES) UNLESS NOTED OTHERWISE. WRITTEN DIMENSIONS PREVAIL OVER SCALED DIMENSIONS.
- ALL STORM DRAIN PIPE, SIDE DRAIN PIPE, PIPE CULVERT WINGWALLS, STEPS, RETAINING WALLS, CURBS AND GUTTER, HEADWALLS, ALL TYPES OF PAVEMENT, WOODEN STRUCTURES, EXCEPT THOSE SPECIFICALLY SHOWN AS A REMOVAL PAY ITEM WILL BE REMOVED AS CLEARING AND GRUBBING, GRADING COMPLETE, GRADING PER MILE OR LUMP SUM CONSTRUCTION.
- ALL TEMPORARY SIGNS, BARRICADES, FLASHING LIGHTS, STRIPING AND ANY OTHER TRAFFIC CONTROL DEVICES REQUIRED DURING CONSTRUCTION OF THIS PROJECT SHALL BE FURNISHED BY THE CONTRACTOR WITH PAYMENT INCLUDED IN HIS/HER BID PRICE FOR THE WORK.
- THE CONTRACTOR WILL NOT BE PAID FOR ANY DELAYS OR EXTRA EXPENSE CAUSED BY UTILITIES FACILITIES, OBSTRUCTIONS OR ANY OTHER ITEMS NOT BEING REMOVED OR RELOCATED TO CLEAR CONSTRUCTION IN ADVANCE OF WORK.
- ALL DEBRIS, CONCRETE, RUBBLE, ETC. EXCAVATION OR CLEARED FOR CONSTRUCTION SHALL BE LEGALLY DISPOSED OF OFF SITE. THIS WORK AND CLEARING SHALL BE INCLUDED IN GRADING COMPLETE LUMP SUM.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS AROUND EXISTING STRUCTURES, FOUNDATIONS, WALLS, AND UTILITIES, AND PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL INCLUDE IN THE PRICE FOR THE WORK ANY TEMPORARY BRACING AND SHORING REQ'D TO CONSTRUCT THE PROPOSED FACILITY. NO ADDITIONAL PAYMENT WILL BE MADE FOR REPAIRING DAMAGE CAUSED BY CONSTRUCTION.
- NO ADDITIONAL PAYMENT WILL BE MADE FOR CUT/FILL DIRT FOR CONSTRUCTION.
- ALL SLOPE AREAS ARE TO BE GRASSED UNLESS SHOWN OTHERWISE ON PLANS.
- THE TOTAL SHOWN ON THE PLANS FOR GRASSING IS FOR INFORMATION ONLY. CITY OF ROCKMART ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY. THE CONTRACTOR SHALL BID ON GRASSING LUMP SUM, AND IT SHALL BE HIS RESPONSIBILITY TO DETERMINE THE ACTUAL AREA TO BE GRASSED. NO CLAIMS WILL BE CONSIDERED FOR EXTRA COMPENSATION IF THE CONTRACTOR RELIES ON THE AREA SHOWN ON THE PLANS.
- SOIL EROSION AND SEDIMENT CONTROL DEVICES ARE TO BE PLACED AS REQUIRED OR AS DIRECTED BY THE CITY OF ROCKMART, OR THE ENGINEER. CARE SHALL BE TAKEN TO PREVENT SOIL EROSION OR SEDIMENT TRANSFER FROM THE PROJECT ONTO ADJACENT PROPERTIES.
- CONTRACTOR SHALL CLEAN AND MAINTAIN SILT FENCE IN ACCORDANCE WITH GSWCC GUIDELINES. ALL COSTS SHALL BE INCLUDED IN THE PRICE FOR WHICH THE WORK PERTAINS. THE WORK SHALL BE INCLUDED IN THE GRADING COMPLETE LUMP SUM.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.
- EROSION CONTROL MEASURES WILL 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.
- CONTRACTOR SHALL REGRASS ALL DISTURBED AREAS IMMEDIATELY AFTER CONSTRUCTION. LOCATIONS OF SILT FENCE AND CHECK DAMS SHOWN ARE APPROXIMATE. FINAL LOCATION TO BE DETERMINED IN FIELD IN ACCORDANCE WITH GSWCC BMPS.
- EXISTING ROAD SIGNS SHALL BE REMOVED AND RESET AS NECESSARY. NO ADDITIONAL PAYMENT WILL BE MADE FOR RESETTING SIGNS. THE COST SHALL BE INCLUDED IN THE PRICE FOR WHICH THE WORK PERTAINS. ALL EXISTING ROADWAY SIGNS ARE TO BE MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION.
- ALL EXISTING MAILBOXES AND SIGNS IN CONFLICT WITH CONSTRUCTION SHALL BE OFFSET Laterally TO CLEAR THE WAY FOR CONSTRUCTION. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN CLEARING AND GRUBBING, GRADING COMPLETE, GRADING PER MILE OR LUMP SUM CONSTRUCTION.
- ITEMS LISTED AS "EXTRA WORK, IF ORDERED BY ENGINEER" ARE INCLUDED IN THE BID SHOULD THEY BE NECESSARY. IF NECESSARY, APPROVAL FROM THE ENGINEER IS REQUIRED BEFORE WORK PROCEEDS.
- THE CONTRACTOR SHALL SCHEDULE THE WORK TO MINIMIZE INTERRUPTIONS OR SHUTDOWNS OF THE EXISTING UTILITY SYSTEMS DURING THE WORK WITHOUT PRIOR APPROVAL OF BOTH THE OWNER AND ENGINEER. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE OWNER BEFORE STARTING ANY NEW PHASE OF CONSTRUCTION TO VERIFY THAT NO INTERRUPTION OF SERVICE WILL BE ENCOUNTERED.
- PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CALL THE UTILITIES PROTECTION INC. "CALL BEFORE YOU DIG" NUMBER (811). ANY DAMAGE DONE TO EXISTING UTILITY LINES, DRAINS, POWER AND TELEPHONE CABLE, POLES, AND STRUCTURES OF EVERY NATURE, NOT INDICATED TO BE REPLACED AND/OR ABANDONED SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE. THE APPROXIMATE POSITION OF CERTAIN KNOWN UNDERGROUND LINES AND STRUCTURES ARE SHOWN ON THE DRAWINGS ACCORDING TO THE BEST AVAILABLE INFORMATION. EXISTING SMALL LINES ARE NOT SHOWN. THE CONTRACTOR SHALL LOCATE, EXCAVATE AND EXPOSE ALL EXISTING UNDERGROUND LINES IN ADVANCE OF TRENCHING AND OTHER CONSTRUCTION OPERATIONS. WHERE CONNECTIONS ARE TO BE MADE AT UNDERGROUND STRUCTURES AND PIPELINES, ELEVATIONS AND LOCATIONS SHALL BE VERIFIED PRIOR TO CONSTRUCTION OF THE PERTINENT WORK. WHERE UNDERGROUND UTILITIES OR OBSTRUCTIONS ARE ENCOUNTERED WHICH CONFLICT WITH THE NEW WORK, THE LOCATION AND/OR ALIGNMENT OF THE NEW OR EXISTING LINES MAY BE CHANGED TO AVOID INTERFERENCE UPON WRITTEN APPROVAL OF THE ENGINEER.

- A SUBSURFACE INVESTIGATION HAS BEEN MADE ON THE WORK. THE PROSPECTIVE BIDDER MUST FORM HIS OWN OPINION OF THE CHARACTER OF THE SUBSURFACE MATERIALS TO BE ENCOUNTERED IN EXCAVATING FOR AND THE CONSTRUCTION OF THE VARIOUS FACILITIES.
- THE CONTRACTOR SHALL CHECK ALL WORKING DRAWINGS FOR ACCURACY OF DIMENSIONS AND DETAILS AND FOR CONFORMANCE WITH THE DRAWINGS AND SPECIFICATIONS BEFORE SUBMITTING WORKING DRAWINGS TO THE ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL INDICATE THAT WORKING DRAWINGS HAVE BEEN CHECKED BY HIM BY AFFIXING AN APPROPRIATE STAMP OR NOTATION ON THE FACE OF EACH OF THE WORKING DRAWINGS. APPROVAL BY THE ENGINEER OF THE CONTRACTOR'S WORKING DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR ACCURACY OF DIMENSIONS AND DETAILS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AGREEMENT AND CONFORMITY OF WORKING DRAWINGS WITH THE DRAWINGS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND DETAILS COVERING THE REQUIRED ITEMS OF WORK AND SUCH OTHER ITEMS WHICH MAY BE NECESSARY FOR THE SUCCESSFUL COMPLETION OF THIS CONTRACT TO THE ENGINEER FOR CHECKING AND APPROVAL BEFORE ANY FABRICATION, ERECTION OR INSTALLATION SHALL COMMENCE. AN APPROVED SET OF SHOP DRAWINGS WITH STAMP OF APPROVAL SHALL BE KEPT ON THE JOB AT ALL TIMES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING ABOUT ANY INFORMATION IN THE SHOP DRAWINGS WHICH DEVIATES FROM THE CONTRACT DOCUMENTS. SHOP DRAWINGS, PRODUCT DATA AND ENGINEERING CALCULATIONS COVERING ALL EQUIPMENT, MATERIAL, FABRICATIONS AND SIMILAR ITEMS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW. SUBMITTALS SHALL VERIFY COMPLIANCE WITH THE CONTRACT DOCUMENTS WITH ANY DEVIATIONS NOTED BY THE CONTRACTOR. THE CONTRACTOR SHALL SUBMIT A DIGITAL COPY OF DRAWINGS AND DETAILS TO ADEQUATELY DESCRIBE THE FUNCTION, PERFORMANCE CHARACTERISTICS, DIMENSIONS, ARRANGEMENT, SUPPORT, ANCHORAGE AND OTHER SIMILAR INFORMATION TO ALLOW FOR INSTALLATION, OPERATION AND MAINTENANCE. AFTER REVIEW, THE ENGINEER WILL RETURN THE DIGITAL COPY TO THE CONTRACTOR. THE CONTRACTOR WILL FORWARD THREE PRINTED COPIES, EXACTLY AS MARKED IN THE RETURNED DIGITAL COPY, TO THE ENGINEER.
- AS THE WORK PROGRESSES, THE CONTRACTOR SHALL REGULARLY RECORD ON ONE SET OF DRAWINGS ALL CHANGES AND DEVIATIONS FROM THE CONTRACT DRAWINGS AND RECORD THE EXACT FINAL LOCATIONS OF ANY DEVIATION AND ORIGINAL WORK. UPON COMPLETION, THE CONTRACTOR SHALL HAVE THESE DRAWINGS AND RECORDS CERTIFIED AS TO THEIR COMPLETENESS AND CORRECTNESS BY THE RESIDENT INSPECTOR AND DELIVER THEM TO THE ENGINEER FOR INCORPORATION IN THE TRACINGS. FINAL AS-BUILT ALIGNMENT, INVERT ELEVATIONS AND LOCATIONS ARE TO BE SUPPLIED BY THE CONTRACTOR.
- UPON COMPLETION OF THE WORK, ALL EXCESS MATERIAL AND RUBBISH SHALL BE REMOVED FROM THE JOB SITE AND DISPOSED OF AS DIRECTED BY THE ENGINEER. THE SURROUNDING CONSTRUCTION AREA SHALL BE LEFT IN ESSENTIALLY AS GOOD A CONDITION AS EXISTED PRIOR TO CONSTRUCTION. ALL UNSUITABLE EXCAVATED MATERIAL MUST BE PROPERLY DISPOSED OF IN A MANNER ACCEPTABLE TO THE ENGINEER AND IN A MANNER THAT WILL NOT ADVERSELY IMPACT THE ENVIRONMENT.

SIDEWALK NOTES

- CONTRACTOR SHALL VERIFY ALL EXISTING ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE TO THE CREEK WITHIN THE ENTIRE LIMITS OF DISTURBANCE.
- SIDEWALK SHALL BE SET ONE INCH ABOVE GRADE AND SLOPE AT 1/4-INCH PER FOOT CROSS-SLOPE TO THE DOWNHILL SIDE UNLESS OTHERWISE SHOWN.
- 3/4-INCH CONTRACTION JOINTS SHALL BE PROVIDED EVERY FIVE (5') FEET. 1/2-INCH EXPANSION JOINTS SHALL BE PROVIDED EVERY FIFTY (50') FEET.
- ALL SIDEWALKS AND CONCRETE PAVING SHALL HAVE SIX (6") INCHES OF GRADED AGGREGATE BASE COURSE AND WOVEN GEOTEXTILE FABRIC FOR SUBGRADE.
- SUBGRADE SHALL BE COMPACTED TO THE STANDARD PROCTOR DRY DENSITY.

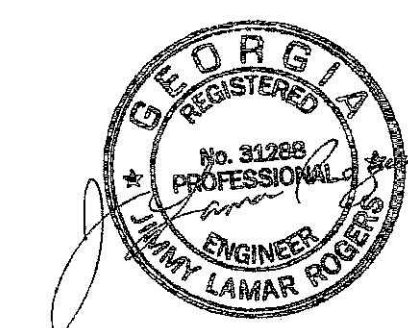
MATERIALS NOTES

- SOURCE OF SUPPLY AND QUALITY OF MATERIALS:** THE SOURCE OF SUPPLY FOR ALL MATERIALS AND EQUIPMENT SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE ORDERS ARE PLACED. SUPPLIERS OF REINFORCING STEEL, FABRICATED METAL WORK, AND METAL CASTINGS MAY BE REQUIRED TO SUBMIT GUARANTEES OF CONFORMITY WITH DRAWINGS AND SPECIFICATIONS. REPRESENTATIVE PRELIMINARY SAMPLES OF THE CHARACTER AND QUANTITY PRESCRIBED SHALL BE SUBMITTED BY THE CONTRACTOR OR PRODUCER FOR EXAMINATION AND TESTED IN ACCORD WITH THE METHODS REFERRED TO UNDER THE SAMPLES AND TESTING MATERIALS SECTION OF THESE SPECIFICATIONS. ONLY MATERIALS CONFORMING TO THE REQUIREMENTS OF THE SPECIFICATIONS AND APPROVED BY THE ENGINEER SHALL BE USED IN THE WORK. ALL MATERIALS PROPOSED TO BE USED MAY BE INSPECTED OR TESTED AT ANY TIME DURING THEIR PREPARATION AND USE. IF, AFTER TRIAL, IT IS FOUND THAT SOURCES OF SUPPLY WHICH HAVE BEEN APPROVED DO NOT FURNISH A UNIFORM PRODUCT, OR IF THE PRODUCT FROM ANY SOURCE PROVES UNACCEPTABLE AT ANY TIME, THE CONTRACTOR SHALL FURNISH MATERIALS FROM OTHER APPROVED SOURCES. NO MATERIAL, WHICH AFTER APPROVAL HAS IN ANY WAY BECOME UNFIT FOR USE, SHALL BE USED IN THE WORK.
- SAMPLES AND TESTING OF MATERIALS:** UNLESS OTHERWISE SPECIFIED, STANDARD TESTS OF MATERIALS SHALL BE MADE IN ACCORD WITH THE SPECIFICATIONS AND TESTS OF THE AMERICAN SOCIETY FOR TESTING MATERIALS, BY A COMMERCIAL TESTING LABORATORY APPROVED BY THE ENGINEER. REPORTS OF THE TESTS SHALL PROMPTLY BE FURNISHED TO THE ENGINEER. TESTS SHALL BE ARRANGED BY THE CONTRACTOR. THE COST OF ALL TESTS WILL BE PAID FOR BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED.
- SCHEDULE OF MATERIALS AND STANDARD TESTS:** THE FOLLOWING SCHEDULE OF MATERIALS AND THE STANDARD TEST TO WHICH EACH IS TO BE SUBJECTED IS GIVEN FOR THE CONTRACTOR'S GUIDANCE.
 - CEMENT (ANY QUANTITY):** CERTIFICATE OF MILL TEST TO BE FURNISHED BY PRODUCERS OF LABORATORY TESTS MADE AS PER ASTM C-1
 - FLY ASH: INDEPENDENT LABORATORY TEST AS PER ASTM C 618**
 - SAND (ANY QUANTITY FOR USE IN CEMENT CONCRETE):** TESTS TO INDICATE CONFORMITY WITH ASTM C-33
 - STONE AND GRAVEL (ANY QUANTITY FOR USE IN CEMENT):** COARSE AGGREGATE, SIMILAR TO SAND
 - CONCRETE:** CYLINDER COMPRESSION TESTS OF CONCRETE PLACED IN THE WORK FROM 4 CYLINDERS MADE FOR EACH DAY'S PLACING OF EACH CLASS OF CONCRETE OF EACH 50 CUBIC YARDS OR FRACTION THEREOF. ONE CYLINDER SHALL BE BROKEN AT 7 DAYS, 2 CYLINDERS SHALL BE BROKEN AT 28 DAYS, AND ONE CYLINDER SHALL BE HELD IN RESERVE.
 - BRICK (1 TO 5,000):** VISUAL INSPECTION FOR SHAPE, COLOR SOUNDNESS, FREEDOM FROM CRACKS, BALLS OF CLAY, AND PARTICLES OF LIME
 - CONCRETE MASONRY UNITS:** VISUAL INSPECTION FOR SHAPE, SOUNDNESS AND FREEDOM FROM CRACKS AND FRACTURES. LABORATORY TESTS ARE REQUIRED ON AT LEAST 5 UNITS AS PER ASTM C-140.
 - STRUCTURAL TILE:** VISUAL INSPECTION FOR SHAPE, SOUNDNESS, COLOR, TEXTURE AND CRAZING. LABORATORY TESTS ARE REQUIRED ON AT LEAST 5 UNITS AS PER ASTM C-128.
 - BUILDING STONE:**
 - 1 TO 5 TONS:** VISUAL INSPECTION FOR SHAPE AND COLOR
 - FOR EACH ADDITIONAL 5 TONS OR PART THEREOF:** VISUAL INSPECTION FOR SHAPE AND COLOR AND TEST FOR COMPRESSION AS PER ASTM C-97 AND C-170
 - CAST IRON PIPE AND DUCTILE CAST IRON PIPE:**
 - FIELD INSPECTION:** VISUAL INSPECTION FOR DIMENSIONS, COATING, CEMENT LINING, HOLES, HAMMER TEST, WEIGHTS
 - LABORATORY TESTS:** CERTIFIED TEST REPORTS BY FOUNDRY
 - STEEL PIPE:** ASTM A-134 AND A-139
 - POLYVINYL CHLORIDE PIPE:**
 - VISUAL INSPECTION:** TO ENSURE THAT PIPE IS HOMOGENOUS THROUGHOUT, FREE FROM CRACKS, NICKS, GOUGES, SEVERE SCRATCHES, VOIDS, INCLUSIONS AND OTHER DEFECTS, REASONABLY UNIFORM IN COLOR DENSITY AND OTHER PHYSICAL PROPERTIES. QUALITY CONTROL CERTIFICATION SEAL AND MARKINGS TO INCLUDE MANUFACTURER'S NAME OR TRADEMARK, NOMINAL PIPE SIZE AND SIZE BASE, PVC CELL CLASSIFICATION OR MATERIAL CODE, DIMENSION RATIO OR STANDARD DIMENSION RATIO NUMBER, PRODUCT TYPE, PRESSURE CLASS OR PRESSURE RATING STANDARD SPECIFICATION DESIGNATION, PRODUCTION RECORDS CODE.
 - LABORATORY TESTS:** IN AMOUNTS AND CHARACTER AS PER ASTM D-3034 FOR SEWER PIPE AND AWWA C 900 FOR WATER PIPE
 - STRUCTURAL STEEL:**
 - ANY QUANTITY:** FIELD INSPECTION FOR RUST, SHAPE, AND DIMENSIONS
 - 25 TO 200 TONS:** INDEPENDENT SHOP INSPECTION AND CERTIFIED COPIES OF MILL TESTS
 - FOR STRUCTURES AND BUILDINGS:** SEE ASTM A-36
 - CONCRETE REINFORCEMENT STEEL:**
 - UP TO 50,000 POUNDS:** FIELD INSPECTION FOR RUST, SHAPE AND DIMENSIONS
 - 50,000 POUNDS AND UP:** INDEPENDENT LABORATORY INSPECTION AS FOLLOWS:
 - BILLET STEEL:** ASTM A-615
 - ROLL STEEL:** ASTM A-616
 - COLD-DRAWN STEEL WIRE:** ASTM A-82
 - WIRE FABRIC:** ASTM A-185
 - CAST IRON CASTINGS:**
 - FIELD INSPECTION:** FOR DIMENSIONS, COATINGS, HOLES, HAMMER TEST
 - LABORATORY TESTS:** CERTIFIED TEST REPORTS BY FOUNDRY

NOTE: GDOT CONSTRUCTION STANDARDS AND DETAILS ARE AVAILABLE ON THE FOLLOWING GDOT WEBSITE: <http://mydocs.dot.ga.gov/info/gdotpubs/ConstructionStandardsAndDetails/Forms/AllItems.aspx>



Know what's below.
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REVISIONS		CITY OF ROCKMART, GEORGIA HISTORIC ROCKMART EVENT CENTER	
		PROJECT NOTES (1 OF 4)	
DRAWN	CHECKED		
SPS	JLR	SCALE: AS SHOWN	DATE: SEPTEMBER 2024
		ATLANTA AUGUSTA ST. SIMONS ISLAND	SHEET C201

WATER NOTES

- 1. SCOPE: THE WORK DESCRIBED BY THIS SECTION CONSISTS OF FURNISHING ALL MATERIALS AND EQUIPMENT AND PERFORMING ALL LABOR NECESSARY TO PUT IN COMPLETE WORKING ORDER THE PIPE LINES AND APPURTENANCES SHOWN ON THE DRAWINGS AND/OR SPECIFIED. ALL STANDARD TEST DESIGNATIONS REFER TO THE LATEST REVISION OF THOSE STANDARDS IN EFFECT ON THE DATE OF ISSUE OF THE CONTRACT DOCUMENTS, EXCEPT WHEN A SPECIFIC REVISION IS SPECIFIED.
2. MATERIALS: ALL MATERIALS THAT COME INTO CONTACT WITH THE DRINKING WATER DURING ITS TREATMENT, STORAGE, TRANSMISSION OR DISTRIBUTION SHALL NOT ADVERSELY AFFECT DRINKING WATER QUALITY AND PUBLIC HEALTH AND MUST BE CERTIFIED FOR CONFORMANCE WITH NATIONAL SANITATION FOUNDATION/AMERICAN NATIONAL STANDARDS INSTITUTE STANDARD 61 (NSF/ANSI STANDARD 61).
3. POLYVINYL CHLORIDE PIPE: POLYVINYL CHLORIDE PIPE SHALL CONFORM TO REQUIREMENTS OF AWWA C900, LATEST REVISION, 'STANDARD FOR POLYVINYL CHLORIDE (PVC) PRESSURE PIPE 4" THROUGH 12" FOR WATER...
4. MARKINGS: PIPE AND COUPLINGS SHALL BEAR IDENTIFICATION MARKINGS IN ACCORDANCE WITH AWWA C 900, AS AMENDED TO DATE THAT WILL REMAIN LEGIBLE DURING NORMAL HANDLING, STORAGE AND INSTALLATION WHICH HAVE BEEN APPLIED IN A MANNER THAT WILL NOT REDUCE THE STRENGTH OF THE PIPE OR COUPLING OR OTHERWISE DAMAGE THEM.
5. TESTING AND INSPECTION: ALL PIPE SHALL BE TESTED AND INSPECTED AT THE PLACE OF MANUFACTURE FOR ALL REQUIREMENTS OF ALL AWWA C900 STANDARDS AND LATEST REVISION. CERTIFIED COPIES OF THE TEST REPORTS CONCERNING EACH SHIPMENT SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO LAYING.
6. RESILIANT SEATED GATE VALVES: THE CONTRACTOR SHALL FURNISH AND INSTALL ALL RESILIANT SEATED GATE VALVES AS INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN. RESILIANT SEATED GATE VALVES SIZE 2" THROUGH 12" SHALL CONFORM, IN GENERAL, WITH AWWA C509 LATEST REVISION, SHALL BE EQUIPPED WITH 'O' RING PACKING AND SHALL BE AS FOLLOWS:
7. GENERAL CONSTRUCTION: GATE VALVES SHALL BE MECHANICAL JOINT END, RESILIANT SEAT, IRON BODY, BRONZE MOUNTED, NON-RISING STEM WITH O-RING STEM SEALS, OPEN LEFT. RESILIANT SEATED GATE VALVES SHALL EMBODY THE BEST CLASS OF WORKMANSHIP AND FINISH AND SHALL OPEN AND CLOSE FREELY AND EASILY.
8. WORKING PRESSURE: GATE VALVES 2" THROUGH 12" SHALL BE DESIGNED FOR 200-PSI, WATER WORKING PRESSURE. VALVES 14" AND LARGER SHALL BE DESIGNED FOR WATER WORKING PRESSURE OF 150-PSI.
9. UNLOADING, DISTRIBUTING AND STORING POLYVINYL CHLORIDE PIPE AND RELATED MATERIALS: THE CONTRACTOR SHALL UNLOAD, HAUL, DISTRIBUTE AND STORE PVC PIPE AND RELATED MATERIALS AS FOLLOWS:
10. CLEARING: THE CONTRACTOR SHALL PERFORM ALL CLEARING WORK REQUIRED FOR THE INSTALLATION OF THE COMPLETE WORK. CLEARING SHALL CONSIST OF THE REMOVAL AND DISPOSAL OF ALL TREES, STUMPS, BRUSH, OR OTHER DEBRIS IN THE WAY OF THE WORK.
11. EXCAVATION FOR TRENCHES: EXCAVATION OF PIPE TRENCHES SHALL INCLUDE ALL EXCAVATION OF EVERY DESCRIPTION AND WHATEVER SUBSTANCE ENCOUNTERED AND SHALL INCLUDE DISPOSAL OF ALL ROCK EXCAVATION AND SHALL INCLUDE DISPOSAL OF EXCESS EARTH EXCAVATION NOT REQUIRED FOR BACKFILLING OF TRENCHES.
12. EXISTING PIPE LINES: WHERE NEW PIPE LINE PARALLELS OR CROSSES EXISTING PIPE LINES THE CONTRACTOR SHALL TAKE PRECAUTIONS AS NECESSARY TO INSURE THAT SUCH EXISTING PIPE LINES ARE NOT DISTURBED.
13. CONNECTIONS TO EXISTING PIPE LINES: CONNECTIONS TO EXISTING PIPE LINES SHALL BE MADE WITH THE NECESSARY FITTINGS AND VALVES AS INDICATED ON THE DRAWINGS.
14. EXISTING UNDERGROUND UTILITIES AND OBSTRUCTIONS: CERTAIN EXISTING WATER LINES, CURBETS AND CROSS DRAINS ARE SHOWN ON THE DRAWINGS ACCORDING TO THE BEST INFORMATION AVAILABLE TO THE ENGINEER.

- UNDER WATER MAINS SHALL BE CONSTRUCTED OF MATERIALS AND WITH JOINTS THAT ARE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION AND SHALL BE PRESSURE TESTED TO ASSURE WATER TIGHTNESS PRIOR TO BACKFILLING. WHEN WATER MAINS CROSS UNDER SEWERS, ADDITIONAL MEASURES SHALL BE TAKEN BY PROVIDING PROTECTIVE STRUCTURES NEARBY TO MAINTAIN PROPER WATER AND GAS LINES, POWER AND TELEPHONE LINES AND STRUCTURAL SUPPORT FOR THE SEWERS TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING ON AND BREAKING THE WATER MAINS, AND THAT THE LENGTH OF WATER PIPE BE CENTERED AT THE POINT OF CROSSING SO THAT THE JOINTS WILL BE EQUIDISTANT AND AS FAR POSSIBLE FROM THE SEWER.
A. THE CONTRACTOR SHALL FURNISH AND HAVE AVAILABLE AT ALL TIMES AN ELECTRONIC PIPE AND CABLE LOCATOR IN WORKING ORDER FOR THE PURPOSE OF LOCATING EXISTING PIPE LINES OR OTHER OBSTRUCTIONS IN THE WAY OR ARE ALONG THE ROUTE OF THE NEW WORK.
B. SEQUENCE OF WORK: EXCAVATION, CLEANING, LAYING, JOINTING AND BACKFILLING SHALL BE KEPT UP AS CLOSELY AS IS POSSIBLE SO-AS-TO-PROGRESS THE WORK IN A UNIFORM MANNER.
C. ALIGNMENT AND GRADIENT: IN GENERAL, ALIGNMENT AND GRADIENT FOR DUCTILE IRON PIPE SHALL BE STRAIGHT. HOWEVER, PIPE LINE MAY BE LAID ON A CURVE BUT MUST BE WITHIN THE LIMITS OF BOTH HORIZONTAL AND VERTICAL CURVATURE AS RECOMMENDED BY THE PIPE MANUFACTURER.
D. PIPE LINES IN EARTH TRENCHES: WHERE PIPES ARE LAID IN EARTH EXCAVATED TRENCHES, THE BOTTOM OF SUCH TRENCHES SHALL BE FINE GRADED BY SKILLED WORKMEN TO A TRUE LINE.
E. CUTTING DUCTILE IRON PIPE: WHENEVER DUCTILE IRON PIPE OR SPECIAL CASTINGS ARE REQUIRED TO BE CUT, THE CUTTING SHALL BE DONE BY SKILLED WORKMEN USING AN ABRASIVE WHEEL CUTTER.
F. ALIGNMENT AND GRADIENT: IN GENERAL, ALIGNMENT AND GRADIENT FOR DUCTILE IRON PIPE SHALL BE STRAIGHT. HOWEVER, PIPE LINE MAY BE LAID ON A CURVE BUT MUST BE WITHIN THE LIMITS OF BOTH HORIZONTAL AND VERTICAL CURVATURE AS RECOMMENDED BY THE PIPE MANUFACTURER.
G. PIPE LINES IN EARTH TRENCHES: WHERE PIPES ARE LAID IN EARTH EXCAVATED TRENCHES, THE BOTTOM OF SUCH TRENCHES SHALL BE FINE GRADED BY SKILLED WORKMEN TO A TRUE LINE.
H. PIPE LINE IN ROCK TRENCHES: WHERE PIPE IS LAID IN ROCK TRENCHES THE BOTTOM OF SUCH TRENCHES SHALL BE UNDERCUT AND THE PIPE SHALL BE BEDDED IN AT LEAST 6" OF CRUSHED STONE CONFORMING TO ASTM C33, GRADATION #67.
I. DEWATERING TRENCHES: ALL EXCAVATION SHALL BE DEWATERED PROPERLY BEFORE LAYING PIPE.
J. JOINTING DUCTILE IRON PIPE: MECHANICAL JOINTS SHALL BE MADE ONLY BY EXPERIENCED MECHANICS.
K.A. HANDLING: PROPER AND SUITABLE TOOLS AND EQUIPMENT FOR THE SAFE AND CONVENIENT HANDLING AND LAYING OF THE PIPE SHALL BE USED.
K.B. CUTTING PVC PIPE: WHENEVER PVC PIPE IS REQUIRED TO BE CUT, THE CUTTING SHALL BE DONE BY SKILLED WORKMEN USING A HACKSAW, A FINE TOOTHED HAND SAW OR A POWER SAW WITH A STEEL BLADE OR ABRASIVE DISCS.
K.C. ALIGNMENT AND GRADIENT: PVC PIPE MAY FOLLOW TRUE CURVES BUT MUST BE WITHIN THE ALLOWABLE HORIZONTAL AND VERTICAL LAYING RADIUS AS RECOMMENDED BY THE PIPE MANUFACTURER.
K.D. PIPE LINES IN EARTH TRENCHES: WHERE PIPES ARE LAID IN EARTH EXCAVATED TRENCHES, THE BOTTOM OF SUCH TRENCHES SHALL BE FINE GRADED BY SKILLED WORKMEN TO A TRUE LINE.
K.E. SEQUENCE OF WORK: EXCAVATION, CLEANING, LAYING, JOINTING AND BACKFILLING SHALL BE KEPT UP AS CLOSELY AS POSSIBLE TO PROGRESS IN A UNIFORM, WORKMANLIKE MANNER.
K.F. LAYING POLYVINYL CHLORIDE PIPE IN TRENCHES: WHEN LAYING PIPE IN TRENCHES, CARE SHALL BE TAKEN TO GIVE THE PIPE SOLID BEARING THROUGHOUT ITS ENTIRE LENGTH.
K.G. PIPE LINES IN EARTH TRENCHES: WHERE PIPES ARE LAID IN EARTH EXCAVATED TRENCHES, THE BOTTOM OF SUCH TRENCHES SHALL BE FINE GRADED BY SKILLED WORKMEN TO A TRUE LINE.
K.H. PIPE LINE IN ROCK TRENCHES: WHERE PIPE IS LAID IN ROCK TRENCHES THE BOTTOM OF SUCH TRENCHES SHALL BE UNDERCUT AND THE PIPE SHALL BE BEDDED IN AT LEAST 6" OF CRUSHED STONE CONFORMING TO ASTM C33, GRADATION #67.
K.I. DEWATERING TRENCHES: ALL EXCAVATION SHALL BE DEWATERED PROPERLY BEFORE LAYING PIPE.
K.J. JOINTING PVC PIPE: ALL DIRT OR FOREIGN MATERIAL MUST BE REMOVED FROM THE GROOVE OF PIPE.
K.K. BACKFILL AND TRACING WIRE: BEFORE BACKFILLING, AN UNDERGROUND LOCATING WIRE SHALL BE INSTALLED LONGITUINALLY ALONG THE TOP OF THE WATER LINE.
L. INSTALLATION OF GATE VALVES: IN GENERAL, SHALL BE INSTALLED AND JOINTED AS SPECIFIED ABOVE FOR PIPE AND FITTINGS.
M. CONCRETE BLOCKING: THE CONTRACTOR SHALL FURNISH ALL MATERIALS AND PERFORM ALL LABOR AS NECESSARY FOR INSTALLING CONCRETE BLOCKING FOR FITTINGS, INCLUDING ELBOWS, TEES AND OTHER FITTINGS, AS SHOWN ON THE DRAWINGS AND/OR AS SPECIFIED HEREIN.
N. BACKFILLING: THE CONTRACTOR SHALL FURNISH ALL EQUIPMENT AND LABOR, AND WHEN NECESSARY THE MATERIAL, REQUIRED FOR BACKFILLING THE PIPE LINE TRENCHES AS FOLLOWS:
A. ELECTED BACKFILLING: ALL TRENCHES SHALL BE BACKFILLED IMMEDIATELY AFTER PIPES ARE LAID THEREIN, AND JOINTS HAVE BEEN INSPECTED BY THE ENGINEER UNLESS OTHER PROTECTION OF THE PIPE LINE IS DIRECTED.
B. GENERAL BACKFILLING: AFTER SELECTED BACKFILL MATERIAL HAS BEEN PLACED AND TAMPED, THE REMAINDER OF THE TRENCH MAY BE BACKFILLED WITH GENERAL EXCAVATED MATERIAL PROVIDED SUCH MATERIAL DOES NOT CONTAIN MORE THAN 1/8 BROWN ROCK OF WHICH NO SINGLE STONE OR BOULDER SHALL BE LARGER THAN CAN BE EASILY CRUSHED WITH HAND LAYERS OR BACKFILLING SHALL BE PLACED IN UNIFORM LAYERS NOT EXCEEDING 12" IN THICKNESS.
C. OUTSIDE STREETS, ROADS, ETC.: AT LOCATIONS OUTSIDE STREETS, ROADS, WALKS OR OTHER TRAVELED WAYS OPEN TO VEHICULAR OR PEDESTRIAN TRAVEL, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES BEFORE BEGINNING CONSTRUCTION.
D. AREAS REQUIRING PAVEMENT REPLACEMENT: MECHANICAL TAMPING WILL BE REQUIRED OF ALL BACKFILLING OF EXCAVATED PORTIONS.
E. TRAFFIC WHILE MAINTAINING THE SURFACE WITH STONE. SETTLEMENT IN TRENCHES SHALL BE REFILLED WITH STONE AND SUCH MAINTENANCE SHALL CONTINUE UNTIL REPLACEMENT OF PAVEMENT IS AUTHORIZED BY THE ENGINEER.

- 38. TESTING: WHEN A SECTION OF PIPE OF A LENGTH DEEMED ADEQUATE BY THE ENGINEER IS READY FOR TESTING, THE LINE SHALL BE THOROUGHLY BLOWN FREE FROM AIR AND A LEAKAGE TEST MADE.
A. TEMPORARY BULKHEADS: THE CONTRACTOR SHALL FURNISH, INSTALL AND REMOVE ALL TEMPORARY BULKHEADS, FLANGES OR PLUGS TO PERMIT THE REQUIRED PRESSURE TEST AND SHALL FURNISH ALL EQUIPMENT AND LABOR TO PROPERLY CARRY OUT SUCH TESTS AND TO REPLACE DEFECTIVE MATERIAL.
B. TEST PRESSURE AND LEAKAGE: PRESSURE AND LEAKAGE TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH AWWA C605 (LATEST VERSION) 'UNDERGROUND INSTALLATION OF PVC PRESSURE PIPE AND FITTINGS FOR WATER' AND/OR AWWA C600 'INSTALLATION OF DUCTILE IRON WATER MAINS AND THEIR APPURTENANCES'.
C. DEFECTIVE MATERIALS AND WORKMANSHIP: ANY CRACKED OR BROKEN MATERIAL SUCH AS PIPE, FITTINGS, VALVES OR HYDRANTS SHALL BE REMOVED AND REPLACED WITH SOUND PIECES, AT THE EXPENSE OF THE CONTRACTOR.
39. SURFACING OF TRENCHES IN UNPAVED STREETS AND DRIVEWAYS: WHERE PIPE LINES ARE CONSTRUCTED ON UNPAVED STREETS, ROADS OR DRIVEWAYS, THE SURFACING MATERIAL SHALL BE STRIPPED AND WINDROWED SEPARATELY FROM THE GENERAL MATERIAL EXCAVATED FROM TRENCHES.
40. SURFACING OF TRENCHES IN PAVED STREETS AND DRIVEWAYS: WHERE TRENCHES ARE IN PAVED STREETS AND DRIVEWAYS, THE REMAINING 6" OF BACKFILL UP TO THE TRAVELED SURFACE SHALL BE MADE WITH CRUSHED STONE, ASTM C33 GRADATION #67 OR #67 AS AMENDED TO DATE, WITH SUFFICIENT FINES FOR COMPACTION.
41. STERILIZING PIPE LINES: ALL PIPE LINES AND ALL APPURTENANCES, INCLUDING HOUSE SERVICE CONNECTIONS WHICH HAVE BEEN EXPOSED TO CONTAMINATION BY REASON OF THIS CONSTRUCTION, SHALL BE STERILIZED BY THE CONTRACTOR BEFORE BEING PLACED IN SERVICE SUBJECT TO THE APPROVAL AND DIRECT SUPERVISION OF THE ENGINEER.
42. FLUSHING: UPON COMPLETION OF THE STERILIZATION, ALL MAINS AND PIPING SHALL BE THOROUGHLY FLUSHED BEFORE PLACING IN SERVICE.
A. STERILIZATION: PIPE LINES SHALL REMAIN FILLED FOR A 24-HOUR PERIOD WITH A SOLUTION OF WATER AND CHLORINE IN AMOUNTS TO PROVIDE A FREE CHLORINE RESIDUAL OF NOT LESS THAN 25-MG/L.
43. CLEANING UP: BEFORE THE WORK SHALL BE CONSIDERED COMPLETE, ALL MATERIAL NOT USED AND RUBBISH OF EVERY CHARACTER MUST BE REMOVED FROM THE STREETS AND PLACED AT POINT DESIGNATED BY THE OWNER.
A. IF CONTRACTOR CHOOSES TO INSTALL THE TRACER WIRE INSIDE THE PIPE BY ACCESSING THE EXISTING VALVES, CONTRACTOR SHALL REMOVE THE EXISTING VALVE AND VALVE BOX. THE BACKFILL AND PAVEMENT REPLACEMENT SHALL BE AS SPECIFIED IN THE CONSTRUCTION SPECIFICATIONS FOR THE PROJECT.

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Table with columns: REVISIONS, CITY OF ROCKMART, GEORGIA, HISTORIC ROCKMART EVENT CENTER, PROJECT NOTES (2 OF 4), DRAWN, CHECKED, SPS, JLR, SCALE: AS SHOWN, DATE: SEPTEMBER 2024, SHEET C202. Includes Turnipseed Engineers logo and Atlanta Augusta St. Simons Island address.

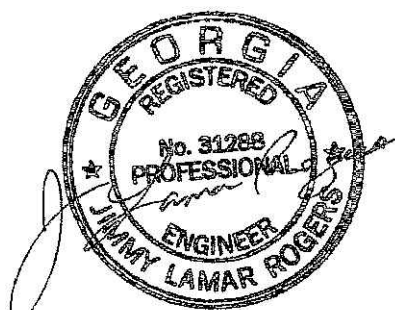

GSWCC CERTIFICATION NO. 22351

SEWER NOTES (CONTINUED)

23. **GENERAL BACKFILLING:** AFTER SELECTED BACKFILL MATERIAL HAS BEEN PLACED AND TAMPED, THE REMAINDER OF THE TRENCH MAY BE BACKFILLED WITH GENERAL EXCAVATED MATERIAL, EXCEPT THAT NO ROCK UNLESS IN SMALL SHATTERED FRAGMENTS WILL BE PERMITTED TO BE MIXED WITH OTHER BACKFILL MATERIAL.
- A. **STREET AND ROAD RIGHT OF WAY, YARDS AND OTHER TRAVELED AREAS:** IN STREETS AND ROAD RIGHT OF WAYS, YARDS AND OTHER TRAVELED AREAS OPEN TO VEHICULAR OR PEDESTRIAN TRAVEL, THE DITCH SHALL BE BACKFILLED AND EACH LAYER SHALL BE TAMPED TO A DENSITY EQUIVALENT TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D 698, AS AMENDED TO DATE.
- BACKFILL MATERIAL SHALL BE PLACED IN UNIFORM LAYERS NOT EXCEEDING 6" IN THICKNESS WITH EACH LAYER THOROUGHLY COMPACTED WITH HEAVY DUTY TAMPERS ("WHACKER" OR EQUAL) TO A HEIGHT OF AT LEAST 36" OR 48" ABOVE THE TOP OF THE PIPE BARREL.
- THE REMAINDER OF THE DITCH MAY BE BACKFILLED AND TAMPED IN THE SAME MANNER OR IF THE CONTRACTOR SO ELECTS HE MAY PLACE BACKFILL IN LAYERS NOT EXCEEDING 12" AND USE WHEEL LOADING OR HEAVY DUTY POWER TAMPING EQUIPMENT ("HYDRO-HAMMER" OR EQUAL). PIPE SHALL HAVE AT LEAST 36" OF COVER BEFORE WHEEL LOADING AND AT LEAST 48" OF COVER BEFORE USING HEAVY DUTY TAMPING EQUIPMENT ("HYDRO-HAMMER" OR EQUAL).
- B. **AREAS REQUIRING PAVEMENT REPLACEMENT:** MECHANICAL TAMPING WILL BE REQUIRED OF ALL BACKFILLING OF EXCAVATED PORTIONS. AFTER BACKFILLING AND TAMPING AS DESCRIBED ABOVE IS COMPLETED, THE TOP 6" OF THE DITCH SHALL BE BACKFILLED WITH COMPACTED CRUSHED STONE, ASTM C 33, AS AMENDED TO DATE, GRADATION #67 OR #57 WITH SUFFICIENT FINES FOR COMPACTION. FURTHER COMPACTION SHALL BE ACCOMPLISHED BY LEAVING THE BACKFILLED TRENCH OPEN TO TRAFFIC WHILE MAINTAINING THE SURFACE WITH STONE. SETTLEMENT IN TRENCHES SHALL BE REFILLED WITH STONE, AND SUCH MAINTENANCE SHALL CONTINUE UNTIL REPLACEMENT OF PAVEMENT IS AUTHORIZED BY THE ENGINEER.
- C. **OTHER AREAS:** OTHER AREAS, INCLUDING WOODLANDS, FIELDS, PASTURES AND AREAS NOT OPEN TO VEHICULAR TRAVEL AND THE REMAINDER OF THE DITCH, MAY BE BACKFILLED BY PLACING FILL IN THE DITCH AND "WALKING-IN" THE FILL WITH WHEEL LOADED EQUIPMENT. BACKFILL MATERIAL MAY BE WINDROWED AND MAINTAINED IN A SUITABLE MANNER SO AS TO CONCENTRATE AND POND RAINFALL RUNOFF OVER THE TRENCH. AFTER SUFFICIENT SETTLEMENT HAS BEEN OBTAINED, THE CONTRACTOR SHALL COMPLETE SURFACE DRESSING, REMOVE SURPLUS MATERIAL AND CLEAN UP IN ACCORDANCE WITH THESE SPECIFICATIONS. WHEREVER TRENCHES HAVE NOT BEEN PROPERLY FILLED OR IF SETTLEMENT OCCURS, THEY SHALL BE REFILLED, SMOOTHED OFF AND FINALLY MADE TO CONFORM TO THE SURFACE OF THE GROUND. BACKFILLING SHALL BE CAREFULLY PERFORMED AND THE ORIGINAL SURFACE RESTORED AS SPECIFIED HEREIN. SURPLUS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR.
24. **CONNECTIONS TO STRUCTURES:** AT ALL STRUCTURES, INCLUDING MANHOLES, PROVIDE A FLEXIBLE JOINT FOR ALL PIPE NOT MORE THAN 24" FROM THE FACE OF THE STRUCTURE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SUBMIT DETAILS OF THE PROPOSED CONNECTION TO THE ENGINEER FOR APPROVAL. CONNECTIONS NOT APPROVED WILL BE SUBJECT TO REMOVAL AND REPLACEMENT BY AN APPROVED FLEXIBLE JOINT. NO SEPARATE PAYMENT WILL BE MADE FOR THE ABOVE WORK. THE COST OF SUCH WORK, AND ALL COSTS INCIDENTAL THERETO, SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE ITEM TO WHICH THE WORK PERTAINS.
25. **CONNECTIONS TO EXISTING MANHOLES:** AT LOCATIONS WHERE NEW SEWERS ARE SHOWN TO BE CONNECTED TO EXISTING MANHOLES THE CONTRACTOR MAY TEMPORARILY BLOCK AND/OR DIVERT SEWAGE FLOWS TO FACILITATE CONSTRUCTION OPERATIONS. THE WORK SHALL CONSIST OF CORING THE OPENING IN THE MANHOLE WALL, INSTALLING A FLEXIBLE RUBBER BOOT, INSERTING THE NEW PIPE TO THE ELEVATION SHOWN, FILLING THE SPACE IN THE WALL AROUND THE PIPE WITH MORTAR, AND CONSTRUCTING AND REMODELING MANHOLE INVERTS.
- THE BYPASSING OF RAW WASTEWATER ONTO THE GROUND OR INTO A RECEIVING STREAM IS PROHIBITED.
- HIGH-EARLY STRENGTH CEMENT SHALL BE USED FOR MORTAR IN ORDER THAT PROPER CHANNELS MAY BE FORMED IN MANHOLE BOTTOMS WITH A MINIMUM INTERRUPTION OF SERVICE TO THE EXISTING SEWER.
26. **CONNECTIONS TO EXISTING SEWERS:** AT LOCATIONS WHERE NEW SEWERS ARE SHOWN TO BE CONNECTED TO EXISTING SEWERS AT A NEW MANHOLE, THE CONTRACTOR SHALL FIRST EXPOSE THE EXISTING SEWER AND REMOVE ALL SOIL TO A MINIMUM OF 6" BELOW THE EXISTING PIPE. SUPPORT SHALL BE PROVIDED AS REQUIRED TO PREVENT THE EXISTING SEWER FROM SAGGING. THE NEW PRECAST DOGHOUSE MANHOLE SECTION SHOULD BE SEALED OVER THE EXISTING SEWER AND THE INVERT AND BENCH SUBSEQUENTLY POURED WITH CLASS 'A' CONCRETE. THE ENDS OF THE MANHOLE SHOULD BE SEALED WATERTIGHT WITH CONCRETE OR HYDRAULIC CEMENT, UNDER SPECIAL CONDITIONS, AND WITH APPROVAL BY THE ENGINEER, THE CONTRACTOR MAY TEMPORARILY BLOCK AND/OR DIVERT SEWAGE FLOWS TO FACILITATE CONSTRUCTION OPERATIONS. ACTUAL PHYSICAL CONNECTION OF THE SEWERS WILL BE MADE AT A LATER DATE AS DIRECTED BY THE ENGINEER.
27. **SERVICE LINES:** SERVICE LINES SHALL BE INSTALLED TO CONNECT ALL BUILDINGS AND DWELLINGS DETERMINED BY THE OWNER TO THE SEWER LINE IN ACCORDANCE WITH THE FOLLOWING:
- A. **SERVICE LINE:** THE SERVICE LINE SHOULD EXTEND TO BUILDING.
- B. **SERVICE LATERALS:** SHALL NOT BE LESS THAN 6" IN DIAMETER.
- C. **THE SEWER SERVICE PIPE:** SHALL CONFORM TO ASTM D 3034 UNDER THE CLASSIFICATION FOR DR 26 PIPE, AS AMENDED TO DATE.
- D. **ALL JOINTS:** SHALL BE PUSH-ON CONFORMING TO ASTM D3212. ALL GASKETS SHALL CONFORM TO ASTM F477. LUBRICANT FURNISHED FOR LUBRICANT JOINTS SHALL BE AS RECOMMENDED BY THE MANUFACTURER.
- E. **THE PVC PIPE:** SHALL BE MARKED AT INTERVALS OF 5' OR LESS WITH THE FOLLOWING INFORMATION: MANUFACTURER'S NAME OR TRADEMARK, PLANT CODE, DATE OF MANUFACTURE, NOMINAL PIPE SIZE, PVC CELL CLASSIFICATION, THE LEGEND "TYPE PSM DR 26 PVC SEWER PIPE," AND ASTM DESIGNATION D 3034.
- F. **SEWER SERVICE LINES:** SHALL HAVE A MINIMUM COVER OF 3 1/2'.
- G. **ALL SEWER FITTINGS:** SHALL BE MOLDED AND CONFORM TO ASTM F1336 AND ASTM D3034-00 AND SHALL BE MANUFACTURED FROM HIGH MOLECULAR WEIGHT COMPOUND HAVING A MINIMUM CELL CLASSIFICATION OF 13343 AS PRESCRIBED IN ASTM D1784. FITTINGS SHALL BE FACTORY MADE. NO 90° ELBOWS SHALL BE USED. ONLY 45° OR 22.5° BENDS SHALL BE USED. NO GLUING JOINTS ARE ALLOWED. WHERE REQUIRED, SHORT RADIUS BENDS SHALL BE USED TO CONNECT THE SERVICE BRANCH TO THE HOUSE SERVICE LINE. PIPE SERVICE BRANCHES, TOGETHER WITH BENDS, SHALL BE PLACED ON A COMPACTED BED OF CRUSHED STONE IN SUCH A MANNER AS TO BE SELF-SUPPORTING AND TO RELIEVE THE STRAIN ON BRANCHES AND BENDS.
- H. **THE SEWER LATERAL:** SHALL BE INSTALLED ON THE LOW POINT OF THE PROPERTY BEING SERVED AND SHALL BE SUFFICIENTLY DEEP TO RECEIVE WASTEWATER.
- I. **THE SERVICE LINE:** SHALL RUN IN A STRAIGHT LINE BETWEEN CONNECTION AND FITTINGS ALONG THE SHORTEST ROUTE FROM CLEANOUT AT RIGHT OF WAY TO CONNECTION AT BUILDING OR DWELLING. PREFERRED SLOPE SHALL BE 1/4" PER FOOT (2% GRADE) BUT NOT LESS THAN 1/8" PER FOOT (1% GRADE). CONTRACTOR SHALL VERIFY ELEVATIONS AND DETERMINE SLOPE TO BE USED AND NOTIFY ENGINEER PRIOR TO INSTALLING SERVICE LATERAL.
- J. **A 2-WAY CLEANOUT:** SHALL BE INSTALLED AT THE JUNCTION OF THE BUILDING DRAIN AND THE SEWER LATERAL. ADDITIONAL CLEANOUTS SHALL BE INSTALLED AT INTERVALS NOT TO EXCEED 100' IN STRAIGHT RUNS AND FOR EACH CHANGE IN DIRECTION. ALL CLEANOUTS SHALL BE EXTENDED TO GRADE AND PROVIDED WITH AN ADAPTER AND SCREW PLUG.
- K. **ONLY FIXTURES THAT USE POTABLE WATER:** SHALL BE CONNECTED TO THE SEWER LATERAL. CONNECTIONS TO GUTTERS, SUMP PUMPS OR POOL DRAINS WILL NOT BE ALLOWED.
- L. **SEWER LATERALS:** SHALL HAVE DETECTABLE MARKING TAPE LAID 2" ABOVE THE LATERAL. THE TAPE SHALL BE 2" IN WIDTH IMPRINTED WITH THE WORDS "BURIED SEWER," AND SHALL BE AS MANUFACTURED BY REEF INDUSTRIES, INC., ALLEN SYSTEMS, INC. OR EQUAL.
- M. **ALL SEWER SERVICE PIPES:** SHALL BE TESTED IN ACCORDANCE WITH ASTM D2122, D2152 AND D2444.
- N. **A BACKFLOW PREVENTER:** SHALL BE INSTALLED ON THE SEWER SERVICE LINE. THE BACKFLOW PREVENTER SHALL BE A PVC ONE-WAY FLAPPER TYPE VALVE WITH ACCESS PORT. THE LOCATION SHALL BE AS DIRECTED BY THE ENGINEER.
28. **LOCATION AND PROTECTION OF EXISTING UNDERGROUND UTILITIES:** UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS ARE FOR THE CONTRACTOR'S INFORMATION ONLY AND IT IS NOT THE INTENTION OF THE ENGINEER TO CONVEY THE OPINION THAT ALL UTILITIES ARE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE UNDERGROUND UTILITIES AND TO PROTECT SAME. UTILITY LINES OR SERVICES DAMAGED BY THE CONSTRUCTION SHALL BE THE CONTRACTOR'S OWN EXPENSE.
29. **CLOSING PIPE:** WHEN THE WORK OF PIPE LAYING IS SUSPENDED FOR THE NIGHT AND AT OTHER TIMES, THE END OF THE SEWER SHALL BE CLOSED WITH A TIGHT COVER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE SEWER FREE FROM OBSTRUCTIONS.
30. **TESTING AND CLEANING:** BEFORE ACCEPTANCE OF ANY SEWER OR SYSTEMS OF SEWERS, LINES SHALL BE CLEANED AND TESTED IN ACCORDANCE WITH THESE SPECIFICATIONS. WHERE ANY OBSTRUCTION IS MET, THE CONTRACTOR WILL BE REQUIRED TO CLEAN THE SEWERS BY MEANS OF RODS, SWABS, OR OTHER INSTRUMENTS. LINES AND MANHOLES SHALL BE CLEAN BEFORE FINAL INSPECTION. PIPE LINES SHALL BE STRAIGHT AND SHOWN A UNIFORM GRADE BETWEEN MANHOLES. THE CONTRACTOR SHALL BE REQUIRED TO CORRECT ANY VARIATIONS THEREFROM WHICH MAY BE DISCLOSED DURING THE INSPECTION.
- B. **DEFLECTION TESTING:** THE MAXIMUM DEFLECTION IN THE INSTALLED PVC PIPE LINE SHALL NOT EXCEED 5% OF THE PIPES ORIGINAL INTERNAL DIAMETER. THE SEWER ALIGNMENT SHALL BE CHECKED BY A VISUAL INSPECTION INCLUDING EITHER LASER OR LAMPING ALIGNMENT. DEFLECTION TESTING WILL BE REQUIRED USING EITHER A DEFLECTOMETER OR A "GO-HO-DO" MANDREL. THE ENGINEER SHALL RANDOMLY SELECT PORTIONS OF THE PROJECT TO BE DEFLECTION TESTED AFTER A PERIOD OF 30 DAYS HAS ELAPSED AFTER BACKFILLING HAS OCCURRED. SUCH PORTIONS SHALL CONSIST OF NOT LESS THAN 5% OF THE TOTAL REACHES (REACH BEING LENGTH OF PIPE BETWEEN 2 MANHOLES) IN THE PROJECT (EXCLUDING HOUSE LEADS).
- THE CONTRACTOR WHEN USING A MANDREL SHALL USE A PULL LINE AND A RETRIEVE LINE. THE PULL LINE SHALL BE BLOWN IN THE LINE BY MEANS OF AIR OR WATER. THE MANDREL SHALL BE PLACED IN THE PIPE AND BE PULLED UP OR DOWN THE PIPE TO THE NEXT MANHOLE OR DEFECT. TESTING SHALL BE DONE IN ACCORDANCE WITH ASTM D 3034 STANDARDS.
- WHERE DEFLECTION IS FOUND TO BE IN EXCESS OF 5% OF THE ORIGINAL PIPE DIAMETER, THE CONTRACTOR SHALL EXCAVATE TO THE POINT OF EXCESS DEFLECTION AND CAREFULLY COMPACT AROUND THE POINT WHERE EXCESS DEFLECTION WAS FOUND. THE LINE SHALL THEN BE RETESTED FOR DEFLECTION. HOWEVER, SHOULD AFTER THE INITIAL TESTING THE DEFLECTION PIPE FAIL TO RETURN TO THE ORIGINAL SIZE (INSIDE DIAMETER) THE LINE SHALL BE REPLACED.
- IN THE EVENT THAT DEFLECTION OCCURS BEYOND THE 5% LIMIT IN ANY SECTION OF 5% OR MORE OF THE REACHES TESTED, THE ENTIRE SYSTEM SHALL BE TESTED.
- C. **LEAKAGE TESTS:** ALL NEW OR REHABILITATED SEWER LINES, INCLUDING HOUSE SERVICE LINES, SHALL BE TESTED FOR LEAKAGE, IN THE PRESENCE OF THE ENGINEER OR HIS REPRESENTATIVE, BEFORE BEING PLACED INTO SERVICE. TESTS SHALL BE CONDUCTED BY ONE OF A COMBINATION OF THE FOLLOWING THREE METHODS:
- D. **LOW PRESSURE AIR TEST METHOD:** LOW PRESSURE AIR TESTING SHALL BE PERFORMED IN ACCORDANCE WITH ASTM F1417 OR UNI-B-6-90, AS AMENDED TO DATE, PRIOR TO AIR TESTING THE SECTION OF SEWER BETWEEN MANHOLES SHALL BE THOROUGHLY CLEANED AND WETTED. IMMEDIATELY AFTER CLEANING OR WHILE THE PIPE IS WATER SOAKED, THE SEWER SHALL BE TESTED WITH LOW-PRESSURE AIR. AT THE CONTRACTOR'S OPTION, SEWERS MAY BE TESTED IN LENGTHS BETWEEN MANHOLES OR IN SHORT SECTIONS (25' OR LESS) USING AIR-LOCK BALLS PULLED THROUGH THE LINE FROM MANHOLE TO MANHOLE. AIR SHALL BE SLOWLY SUPPLIED TO THE PLUGGED SEWER SECTION UNTIL INTERNAL AIR PRESSURE REACHES APPROXIMATELY 4.0-PSI. AFTER THIS PRESSURE IS REACHED AND THE PRESSURE ALLOWED TO STABILIZE (APPROXIMATELY 2 TO 5 MINUTES), THE PRESSURE MAY BE REDUCED TO 3.5-PSI BEFORE STARTING THE TESTS. IF A 1.0 PSI DROP DOES NOT OCCUR WITHIN THE TEST TIME, THEN THE LINE HAS PASSED THE TEST. IF THE PRESSURE DROPS MORE THAN 1.0 PSI DURING THE TEST TIME, THE LINE IS PRESUMED TO HAVE FAILED THE TEST, AND THE CONTRACTOR WILL BE REQUIRED TO LOCATE THE FAILURE, MAKE NECESSARY REPAIRS AND RETEST THE LINE. MINIMUM TEST TIME FOR VARIOUS PIPE SIZES, IN ACCORDANCE WITH UNI-BELL PVC PIPE ASSOC. UNI-B-6-90, AS AMENDED TO DATE, IS AS FOLLOWS:
- SPECIFICATION TIME REQUIRED FOR A 1.0 PSIG PRESSURE DROP FOR SIZE AND LENGTH OF PIPE INDICATED FOR Q = 0.0015**
- a. 4" - 3:46 MINIMUM TIME (MINUTES:SECOND), 597 FEET LENGTH FOR MINIMUM TIME, 0.380 TIME FOR LONGER LENGTH (SECOND)
 - b. 6" - 5:40 MINIMUM TIME (MINUTES:SECOND), 398 FEET LENGTH FOR MINIMUM TIME, 0.854 TIME FOR LONGER LENGTH (SECOND)
 - c. 8" - 7:34 MINIMUM TIME (MINUTES:SECOND), 298 FEET LENGTH FOR MINIMUM TIME, 1.520 TIME FOR LONGER LENGTH (SECOND)
 - d. 10" - 9:26 MINIMUM TIME (MINUTES:SECOND), 239 FEET LENGTH FOR MINIMUM TIME, 2.374 TIME FOR LONGER LENGTH (SECOND)
 - e. 12" - 11:20 MINIMUM TIME (MINUTES:SECOND), 199 FEET LENGTH FOR MINIMUM TIME, 3.418 TIME FOR LONGER LENGTH (SECOND)
 - f. 15" - 14:10 MINIMUM TIME (MINUTES:SECOND), 159 FEET LENGTH FOR MINIMUM TIME, 5.342 TIME FOR LONGER LENGTH (SECOND)
 - g. 18" - 17:00 MINIMUM TIME (MINUTES:SECOND), 133 FEET LENGTH FOR MINIMUM TIME, 7.692 TIME FOR LONGER LENGTH (SECOND)
 - h. 21" - 19:50 MINIMUM TIME (MINUTES:SECOND), 114 FEET LENGTH FOR MINIMUM TIME, 10.470 TIME FOR LONGER LENGTH (SECOND)
 - i. 24" - 22:40 MINIMUM TIME (MINUTES:SECOND), 99 FEET LENGTH FOR MINIMUM TIME, 13.674 TIME FOR LONGER LENGTH (SECOND)
- REQUIRED TEST EQUIPMENT INCLUDES AIR-LOCK BALLS, BRACES, AIR HOSE, AIR SOURCE, TIMER, ROTOMETER AS APPLICABLE, CUT-OFF VALVES, PRESSURE REDUCING VALVE, 0-15 PRESSURE GAUGE, 0-5 PRESSURE GAUGE WITH GRADATIONS IN 0.1 PSI AND ACCURACY OF ± 2 PERCENT.
- THE CONTRACTOR SHALL KEEP RECORDS OF ALL TESTS MADE. COPY OF SUCH RECORDS WILL BE GIVEN TO THE ENGINEER OR THE OWNER. SUCH RECORDS SHALL SHOW DATE, LINE NUMBER AND STATIONS, OPERATOR AND SUCH OTHER PERTINENT INFORMATION AS REQUIRED BY THE ENGINEER.
- THE CONTRACTOR IS CAUTIONED TO OBSERVE PROPER SAFETY PRECAUTIONS IN PERFORMANCE OF THE AIR TESTING. IT IS IMPERATIVE THAT PLUGS BE PROPERLY SECURED AND THAT CARE BE EXERCISED IN THEIR REMOVAL. EVERY PRECAUTION SHALL BE TAKEN TO AVOID THE POSSIBILITY OF OVER-PRESSURIZING THE SEWER LINE.
- J. **REPAIRS:** ALL VISIBLE LEAKS SHALL BE REPAIRED REGARDLESS OF WHETHER THE AIR TEST IS WITHIN ALLOWABLE LIMITS. NO SEWER WILL BE ACCEPTED UNTIL LEAKAGE TESTS DEMONSTRATE COMPLIANCE WITH THE LEAKAGE TEST METHOD.
- K. **PAYMENT:** THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR AND EQUIPMENT AND NECESSARY FOR TESTING AND RETESTING AS REQUIRED AND SHALL MAKE ALL NECESSARY REPAIRS. NO EXTRA PAYMENT WILL BE MADE FOR TESTING AND REPAIRS, THE COST THEREOF TO BE INCLUDED IN THE UNIT PRICES BID FOR SEWERS.
31. **TESTING FORCE MAIN:** WHEN A SECTION OF PIPE OF A LENGTH DEEMED ADEQUATE BY THE ENGINEER IS READY FOR TESTING, THE LINE SHALL BE THOROUGHLY BLOWN FREE FROM AIR AND A LEAKAGE TEST MADE. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT FOR CARRYING OUT THESE TESTS. WHEREVER CONDITIONS WILL PERMIT, IN THE OPINION OF THE ENGINEER, PIPE LINES SHALL BE TESTED BEFORE THE TRENCH IS BACKFILLED. ALL JOINTS THEN SHALL BE EXAMINED DURING OPEN TRENCH TEST AND ALL LEAKS ENTIRELY STOPPED. THE CONTRACTOR SHALL FURNISH A TEST PLAN AND MEANS FOR ACCURATE MEASUREMENT OF WATER INTRODUCED INTO A LINE DURING TESTING, AND SHALL FURNISH AND INSTALL CORROSION STOPS AT ALL HIGH POINTS IN THE LINE AS REQUIRED FOR BLOWING LINES FREE FROM AIR AND AT THE TEST PUMP LOCATION.
- a. **TEMPORARY BULKHEADS:** THE CONTRACTOR SHALL FURNISH, INSTALL AND REMOVE ALL TEMPORARY BULKHEADS, FLANGES OR PLUGS TO PERMIT THE REQUIRED PRESSURE TEST AND SHALL FURNISH ALL EQUIPMENT AND LABOR TO PROPERLY CARRY OUT SUCH TESTS AND TO REPLACE DEFECTIVE MATERIAL.

- b. **TEST PRESSURE AND LEAKAGE:** PRESSURE AND LEAKAGE TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH THE LATEST VERSION OF AWWA STANDARD C-600. TEST PRESSURES SHALL BE AT LEAST 1.5 TIMES THE SHUTOFF HEAD OF THE PUMP OR 150 POUNDS PER SQUARE INCH, WHICHEVER IS GREATER, FOR FORCE MAINS MEASURED AT THE PIPE LINE LOW POINT. TEST PRESSURE SHALL NOT BE LESS THAN 1.25 TIMES THE WORKING PRESSURE AT THE HIGHEST POINT ALONG THE TEST SECTION. TEST PRESSURES SHALL NOT VARY BY MORE THAN ± 5-PSI FOR THE DURATION OF THE TEST. LEAKAGE ALLOWED DURING THE TEST SHALL BE CALCULATED USING THE FOLLOWING FORMULA:
- WHERE:
- L IS ALLOWABLE LEAKAGE IS GALLONS/HOUR
 - S IS THE LENGTH OF PIPE TESTED IN FEET
 - D IS PIPE DIAMETER IN INCHES
 - P IS TEST PRESSURE IS POUNDS PER SQUARE INCH (PSI)
- MINIMUM TEST PERIOD SHALL BE 2-HOURS; HOWEVER, IN THE OPINION OF THE ENGINEER, IF ADDITIONAL TESTING IS REQUIRED, SUCH ADDITIONAL TESTING SHALL BE PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- c. **DEFECTIVE MATERIALS AND WORKMANSHIP:** ANY CRACKED OR BROKEN MATERIAL SUCH AS PIPE, FITTINGS, VALVES OR HYDRANTS SHALL BE REMOVED AND REPLACED WITH SOUND PIECES AT THE EXPENSE OF THE CONTRACTOR. JOINTS WHICH LEAK SHALL BE CAREFULLY REMADE. REMADE JOINTS AND REPLACED MATERIAL SHALL BE RETESTED UNDER THE SAME CONDITIONS OF OPERATION. IF JOINTS OR MATERIALS ARE THEN FOUND TO BE DEFECTIVE THEY SHALL BE REMADE AND REPLACED UNTIL THE LINE PASSES THE REQUIRED TEST.
- d. **PAYMENT:** NO SEPARATE PAYMENT WILL BE MADE FOR THE ABOVE WORK. THE COST OF THE ABOVE WORK AND ALL COST INCIDENTALS THERETO, SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE ITEM TO WHICH THE WORK PERTAINS.
31. **CLEANING UP:** BEFORE THE WORK IS CONSIDERED COMPLETE, ALL MATERIAL NOT USED AND RUBBISH OF EVERY CHARACTER MUST BE REMOVED FROM THE PROJECT. ALL STREETS, SIDEWALKS, CURBS, FENCES AND OTHER PRIVATE OR PUBLIC FACILITIES AND STRUCTURES DISTURBED MUST BE IN ESSENTIALLY AS GOOD CONDITION AS EXISTED BEFORE THE WORK WAS DONE. ANY SUBSEQUENT SETTLEMENT OF BACKFILL OR PAVEMENT OVER TRENCHES SHALL BE REPLACED BY THE CONTRACTOR AND THE SURFACES BROUGHT TO GRADE.
32. **ACCEPTANCE OF WORK:** SEWER LINES AND APPURTENANCES WILL NOT BE CONSIDERED READY FOR ACCEPTANCE UNTIL ALL PROVISIONS OF THE SPECIFICATIONS HAVE BEEN COMPLIED WITH, UNTIL ALL TESTS HAVE BEEN SATISFACTORILY COMPLETED, AND UNTIL INSPECTION OF THE WORK HAS BEEN MADE. SEWAGE FLOWS SHALL NOT BE DIVERTED INTO NEW SEWERS UNTIL AFTER SUCH TIME AS FINAL INSPECTION OF THE LINES HAS BEEN MADE BY THE ENGINEER, AND PERMISSION GRANTED.

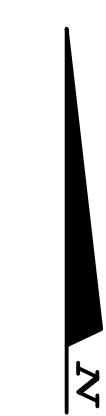
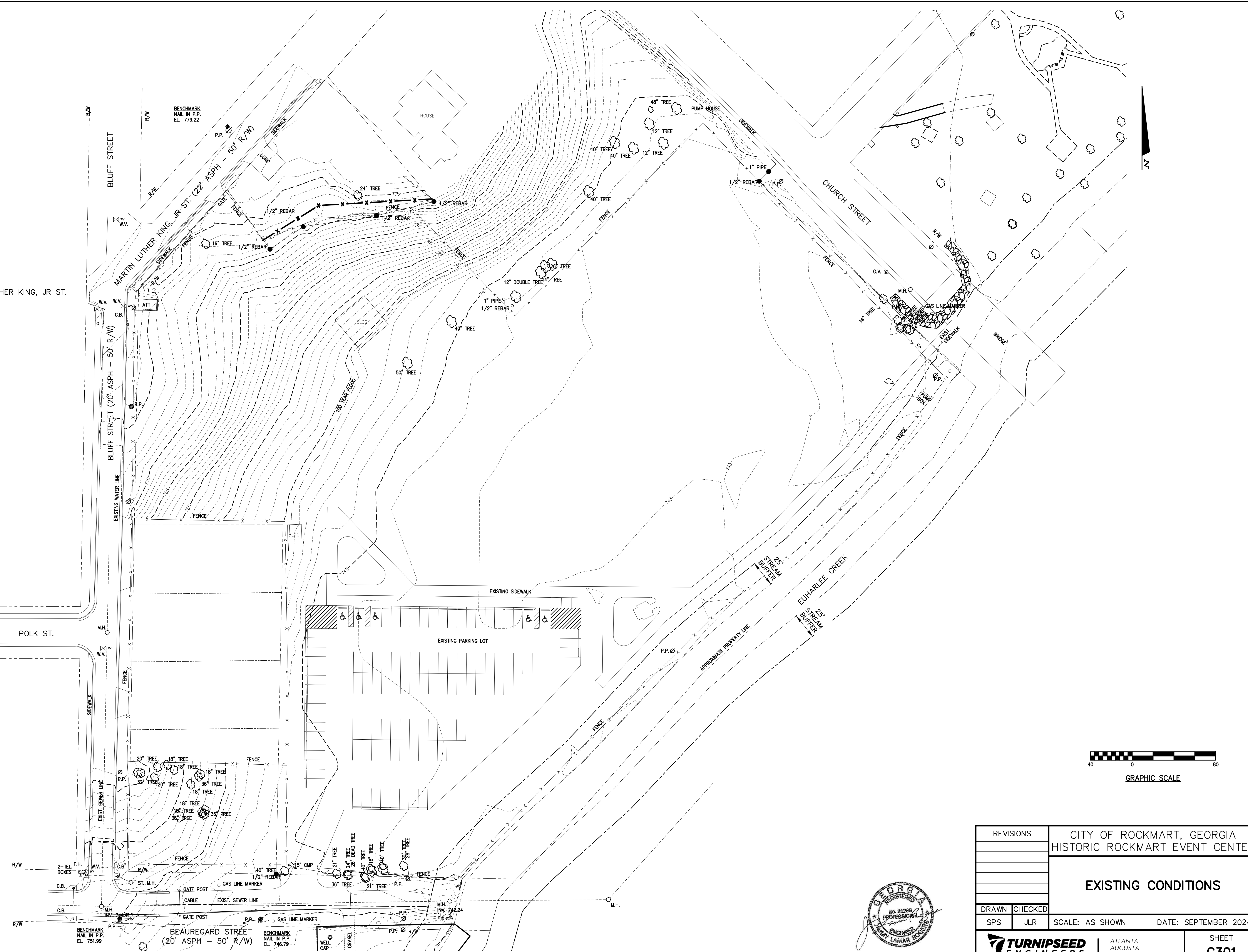
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REVISIONS		CITY OF ROCKMART, GEORGIA HISTORIC ROCKMART EVENT CENTER	
		PROJECT NOTES (4 OF 4)	
DRAWN	CHECKED		
SPS	JLR	SCALE: AS SHOWN	DATE: SEPTEMBER 2024
			
GSWCC CERTIFICATION NO. 22351		ATLANTA AUGUSTA ST. SIMONS ISLAND	SHEET C204

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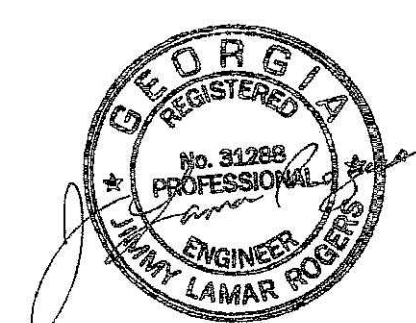


MARTIN LUTHER KING, JR. ST.



GRAPHIC SCALE

REVISIONS		CITY OF ROCKMART, GEORGIA HISTORIC ROCKMART EVENT CENTER	
		EXISTING CONDITIONS	
DRAWN	CHECKED		
SPS	JLR	SCALE: AS SHOWN	DATE: SEPTEMBER 2024
TURNIPSEED ENGINEERS		ATLANTA AUGUSTA ST. SIMONS ISLAND	SHEET C301



GSWCC CERTIFICATION NO. 22351

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MARTIN LUTHER KING, JR ST.

BLUFF STREET

BLUFF STREET (20' ASPH - 50' R/W)

MARTIN LUTHER KING, JR ST. (22' ASPH - 50' R/W)

POLK ST.

OVERALL LIMITS OF DISTURBANCE 1.7 ACRES

BEAUREGARD STREET (20' ASPH - 50' R/W)

BENCHMARK
NAIL IN P.P.
EL. 779.22

BENCHMARK
NAIL IN P.P.
EL. 751.99

HOUSE

BLDG.

REMOVE TREE

REMOVE EXISTING BUILDING

REMOVE EXISTING BUILDING

100 YEAR FLOOD

CHURCH STREET

APPROXIMATE PROPERTY LINE

5' BUFFER

2' BUFFER

5' BUFFER

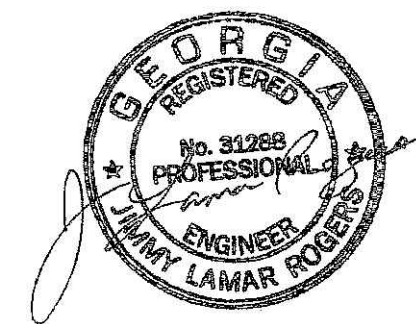
2' BUFFER

EUHARLEE CREEK



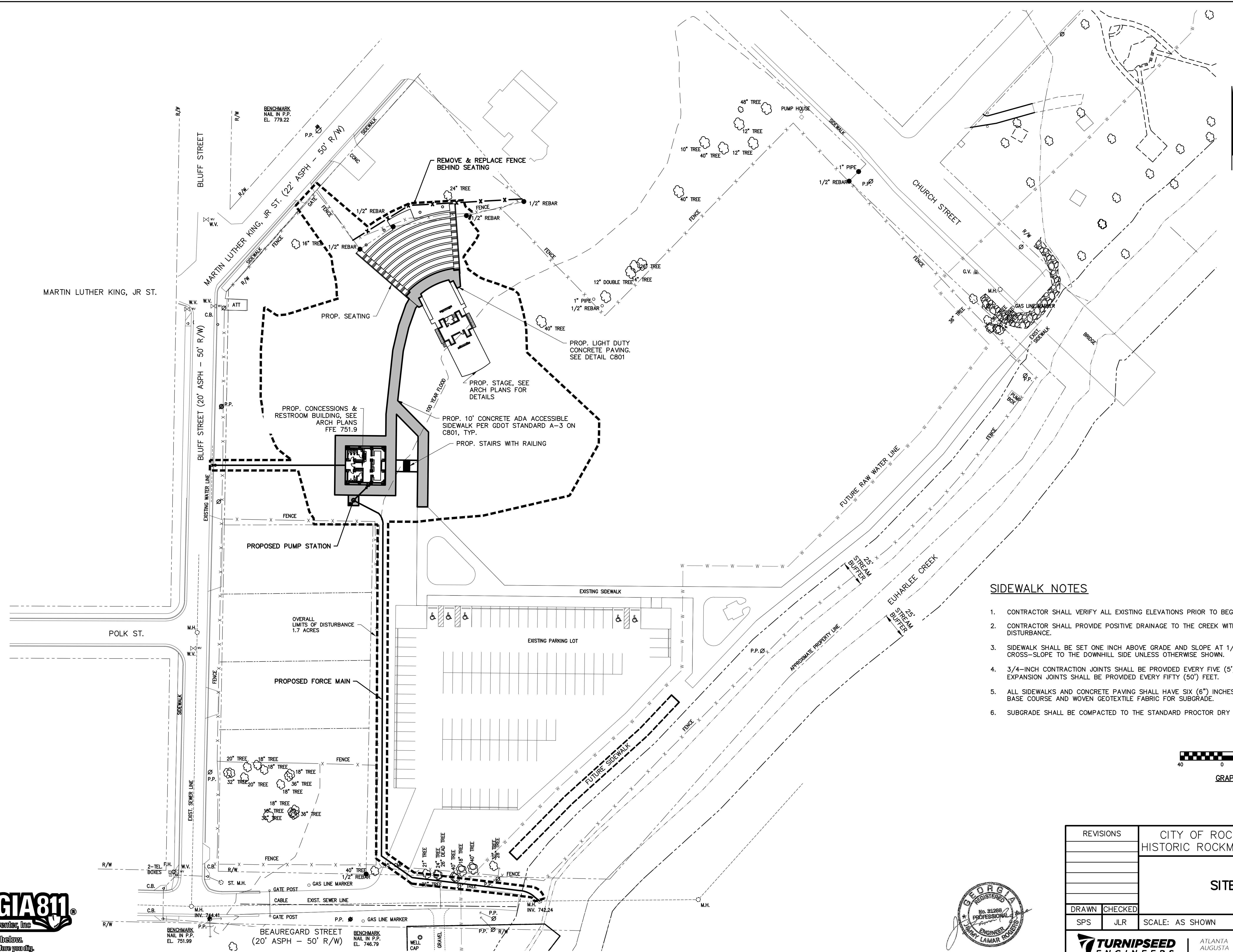
GRAPHIC SCALE

REVISIONS		CITY OF ROCKMART, GEORGIA HISTORIC ROCKMART EVENT CENTER	
		DEMOLITION PLAN	
DRAWN CHECKED			
SPS	JLR	SCALE: AS SHOWN	DATE: SEPTEMBER 2024
		ATLANTA AUGUSTA ST. SIMONS ISLAND	SHEET C302



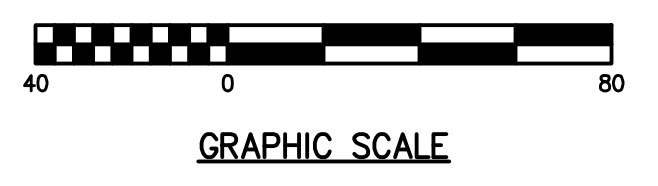
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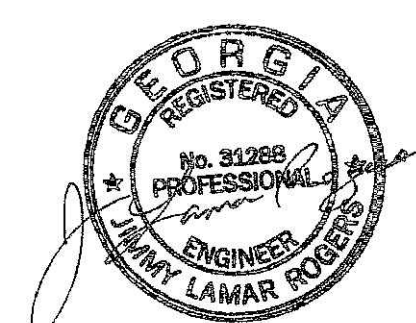


SIDEWALK NOTES

1. CONTRACTOR SHALL VERIFY ALL EXISTING ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION.
2. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE TO THE CREEK WITHIN THE ENTIRE LIMITS OF DISTURBANCE.
3. SIDEWALK SHALL BE SET ONE INCH ABOVE GRADE AND SLOPE AT 1/4-INCH PER FOOT CROSS-SLOPE TO THE DOWNHILL SIDE UNLESS OTHERWISE SHOWN.
4. 3/4-INCH CONTRACTION JOINTS SHALL BE PROVIDED EVERY FIVE (5') FEET. 1/2-INCH EXPANSION JOINTS SHALL BE PROVIDED EVERY FIFTY (50') FEET.
5. ALL SIDEWALKS AND CONCRETE PAVING SHALL HAVE SIX (6") INCHES OF GRADED AGGREGATE BASE COURSE AND WOVEN GEOTEXTILE FABRIC FOR SUBGRADE.
6. SUBGRADE SHALL BE COMPACTED TO THE STANDARD PROCTOR DRY DENSITY.



REVISIONS		CITY OF ROCKMART, GEORGIA HISTORIC ROCKMART EVENT CENTER	
		SITE PLAN	
DRAWN	CHECKED		
SPS	JLR	SCALE: AS SHOWN	DATE: SEPTEMBER 2024
		TURNIPEED ENGINEERS	
		ATLANTA AUGUSTA ST. SIMONS ISLAND	
		SHEET C401	



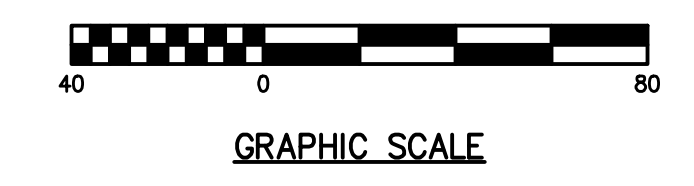
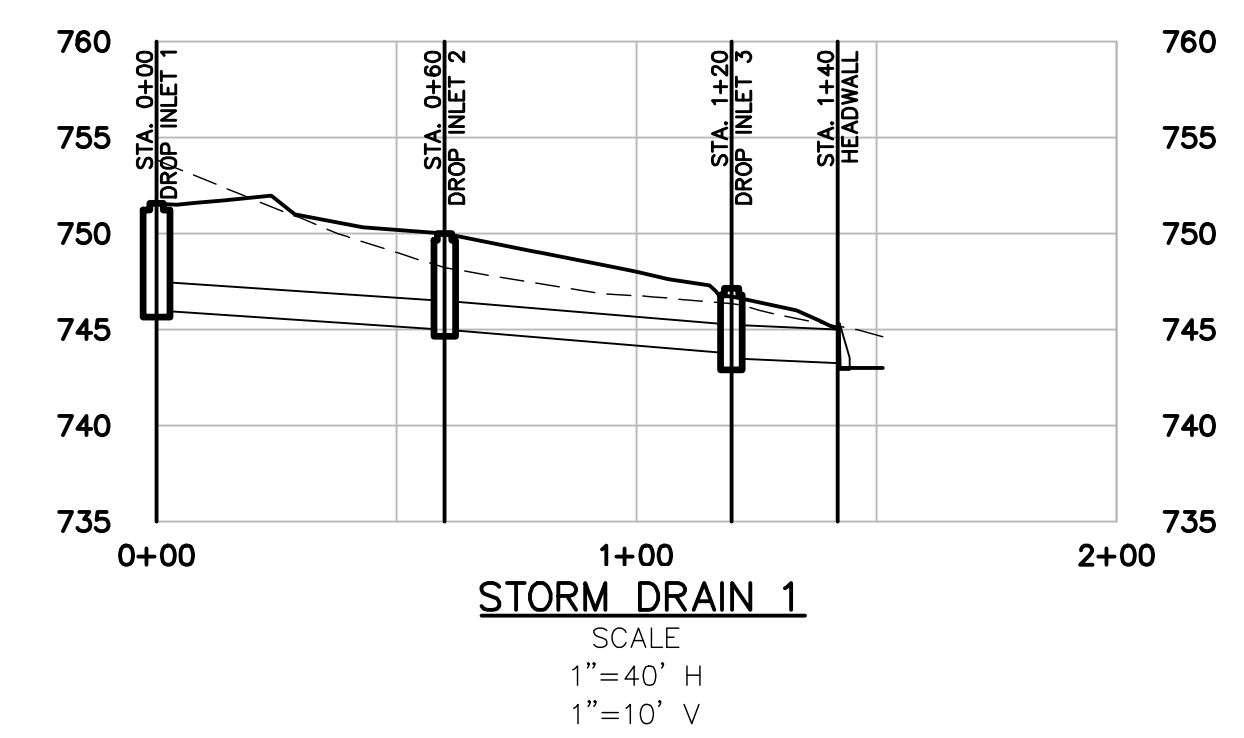
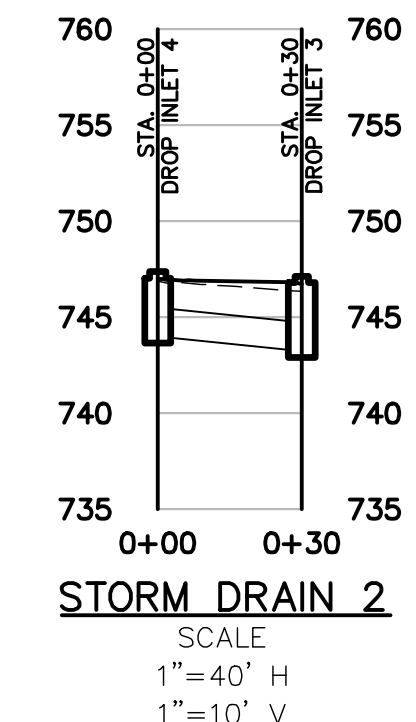
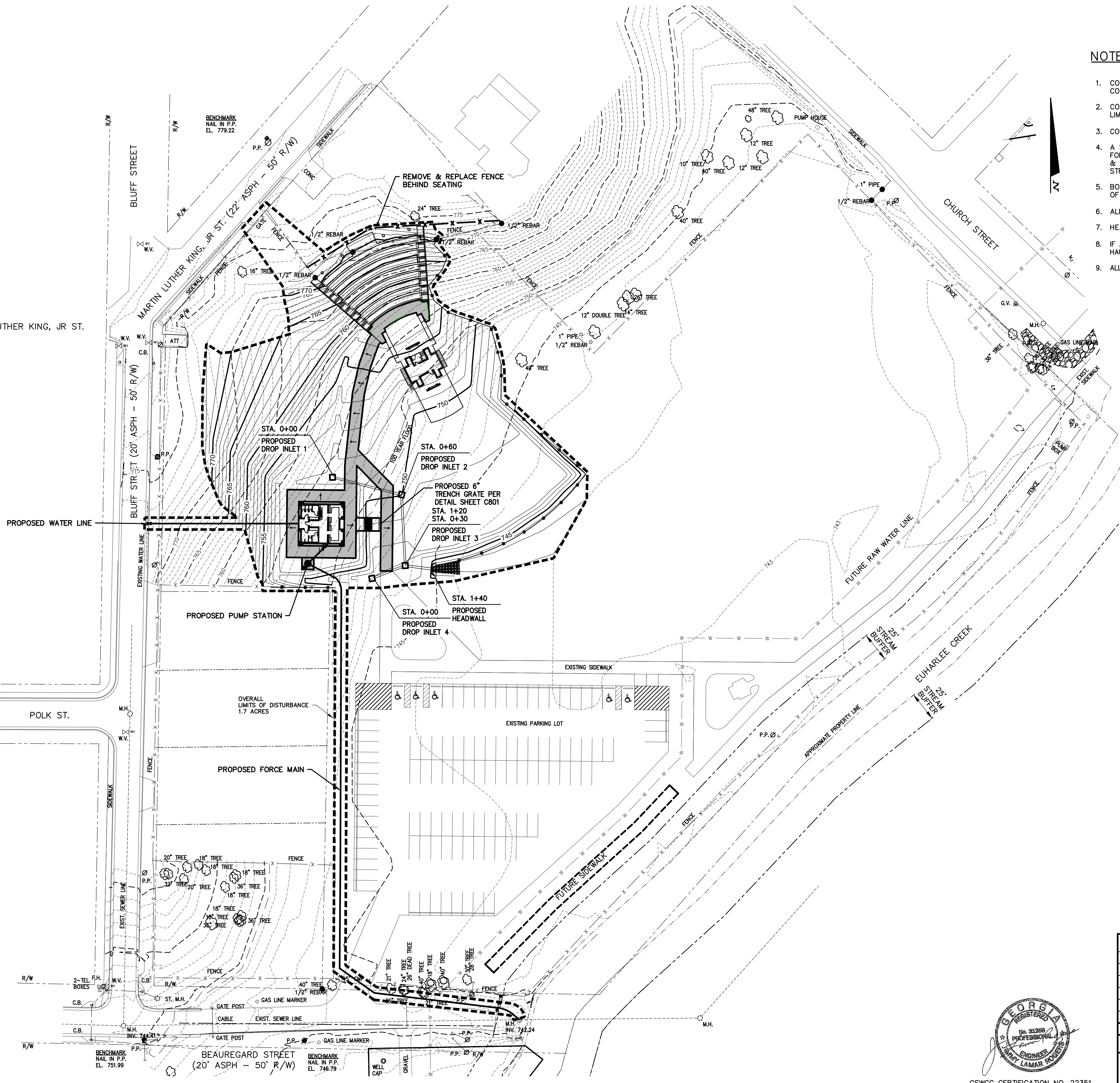
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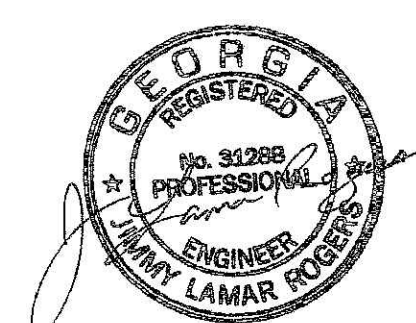
NOTES

- CONTRACTOR SHALL VERIFY ALL EXISTING ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE TO THE CREEK WITHIN THE ENTIRE LIMITS OF DISTURBANCE.
- CONTRACTOR SHALL CLEAR & GRUB EXISTING TREES AS REQ'D FOR CONSTRUCTION.
- A SOIL SURVEY WAS CONDUCTED BY GEOSYSTEMS ENGINEERING, INC. SEE REPORT FOR RECOMMENDATIONS RELATING TO DEWATERING, SOIL REMOVAL, UNDER CUTTING, & BACKFILL. SEE REPORT FOR SITE SURCHARGE REQUIREMENTS FOR FILL UNDER STRUCTURES.
- BORROW AREAS MUST BE GRADED WITH A MINIMUM SLOPE OF 2% IN THE DIRECTION OF THE NATURAL DRAINAGE. SIDE SLOPES SHALL NOT EXCEED 3:1.
- ALL DROP INLETS SHALL MEET GEORGIA DOT SPECIFICATION 1019A AND BE TYPE "A".
- HEADWALL SHALL MEET GEORGIA DOT SPECIFICATION 1001-B. SEE SHEET C803.
- IF ADEQUATE STORAGE FOR BORROW / SPOIL IS NOT AVAILABLE ON-SITE, CONTRACTOR SHALL HAUL AND DISPOSE OF EXCESS OFFSITE AT NO COST TO THE OWNER.
- ALL RCP STORM PIPE SHALL HAVE STONE BEDDING PER DETAIL SHEET C802.

MARTIN LUTHER KING, JR. ST.



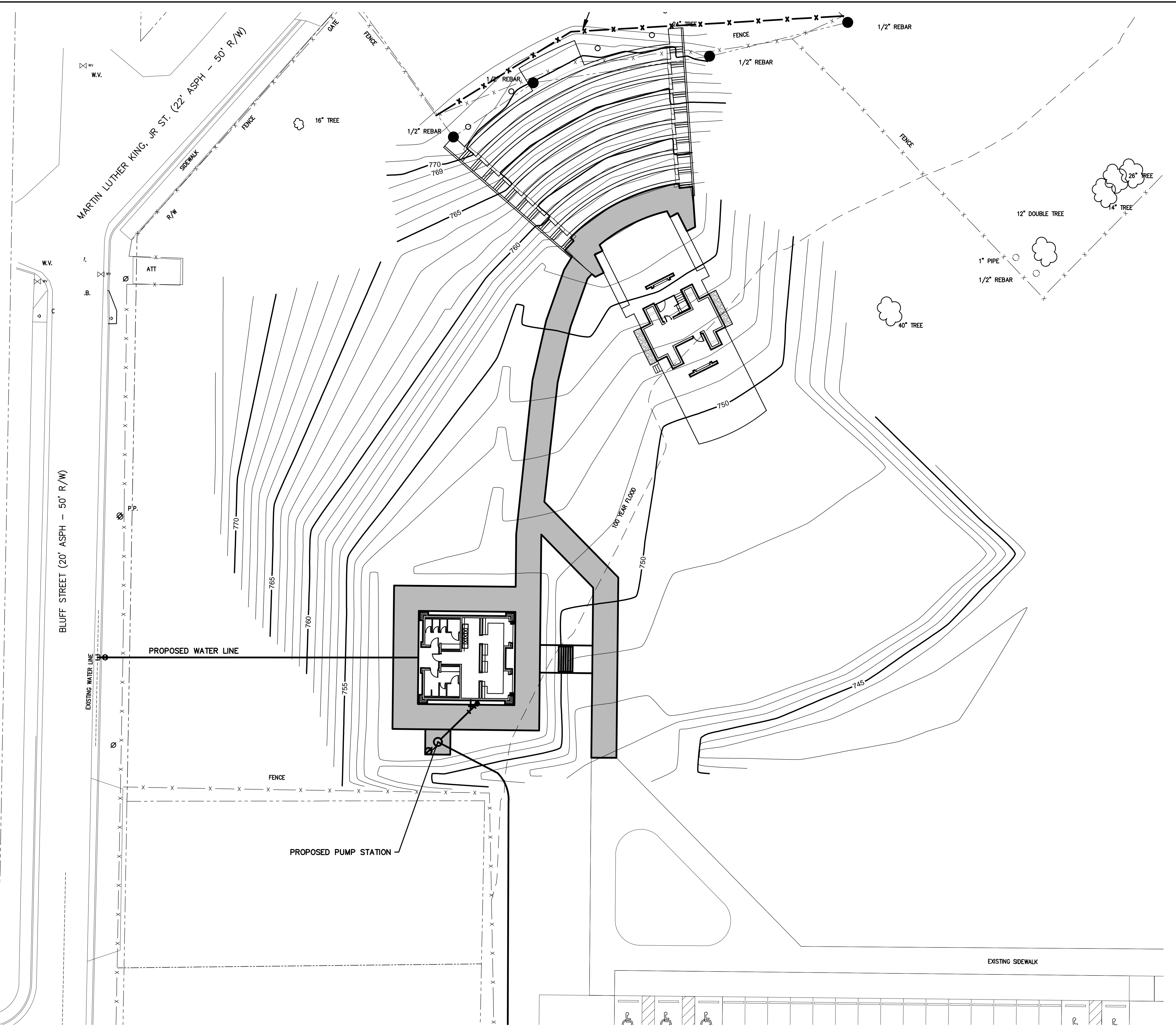
REVISIONS		CITY OF ROCKMART, GEORGIA HISTORIC ROCKMART EVENT CENTER	
		GRADING AND DRAINAGE PLAN	
DRAWN	CHECKED		
SPS	JLR	SCALE: AS SHOWN	DATE: SEPTEMBER 2024
		ATLANTA AUGUSTA ST. SIMONS ISLAND	SHEET C501



GSWCC CERTIFICATION NO. 22351

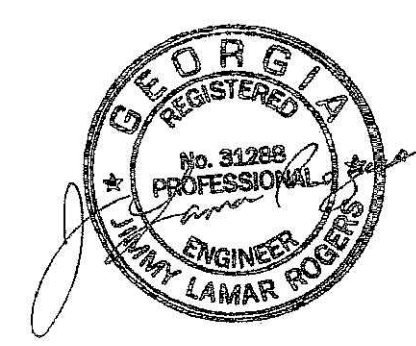
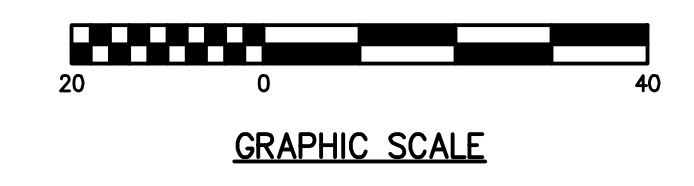
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NOTES

1. CONTRACTOR SHALL VERIFY ALL EXISTING ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION.
2. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE TO THE CREEK WITHIN THE ENTIRE LIMITS OF DISTURBANCE.
3. CONTRACTOR SHALL CLEAR & GRUB EXISTING TREES AS REQ'D FOR CONSTRUCTION.
4. A SOIL SURVEY WAS CONDUCTED BY GEOSYSTEMS ENGINEERING, INC. SEE REPORT FOR RECOMMENDATIONS RELATING TO DEWATERING, SOIL REMOVAL, UNDER CUTTING, & BACKFILL. SEE REPORT FOR SITE SURCHARGE REQUIREMENTS FOR FILL UNDER STRUCTURES.
5. BORROW AREAS MUST BE GRADED WITH A MINIMUM SLOPE OF 2% IN THE DIRECTION OF THE NATURAL DRAINAGE. SIDE SLOPES SHALL NOT EXCEED 3:1.
6. ALL DROP INLETS SHALL MEET GEORGIA DOT SPECIFICATION 1019A AND BE TYPE "A".
7. HEADWALL SHALL MEET GEORGIA DOT SPECIFICATION 1001-B. SEE SHEET C803.
8. IF ADEQUATE STORAGE FOR BORROW / SPOIL IS NOT AVAILABLE ON-SITE, CONTRACTOR SHALL HAUL AND DISPOSE OF EXCESS OFFSITE AT NO COST TO THE OWNER.
9. ALL RCP STORM PIPE SHALL HAVE STONE BEDDING PER DETAIL SHEET C802.



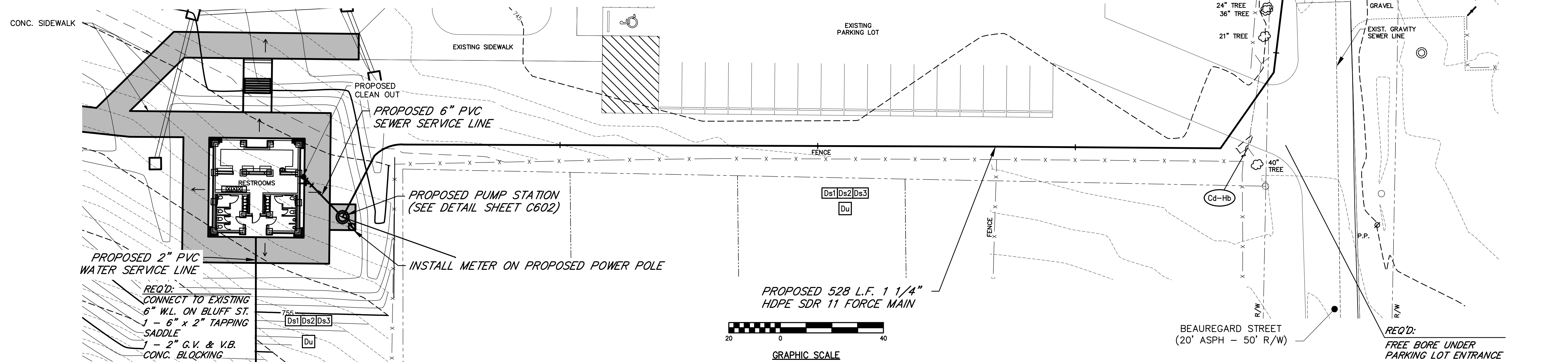
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REVISIONS		CITY OF ROCKMART, GEORGIA HISTORIC ROCKMART EVENT CENTER	
		GRADING PLAN DETAILED VIEW	
DRAWN	CHECKED		
SPS	JLR	SCALE: AS SHOWN	DATE: SEPTEMBER 2024
TURNIPSEED ENGINEERS		ATLANTA AUGUSTA ST. SIMONS ISLAND	SHEET C502

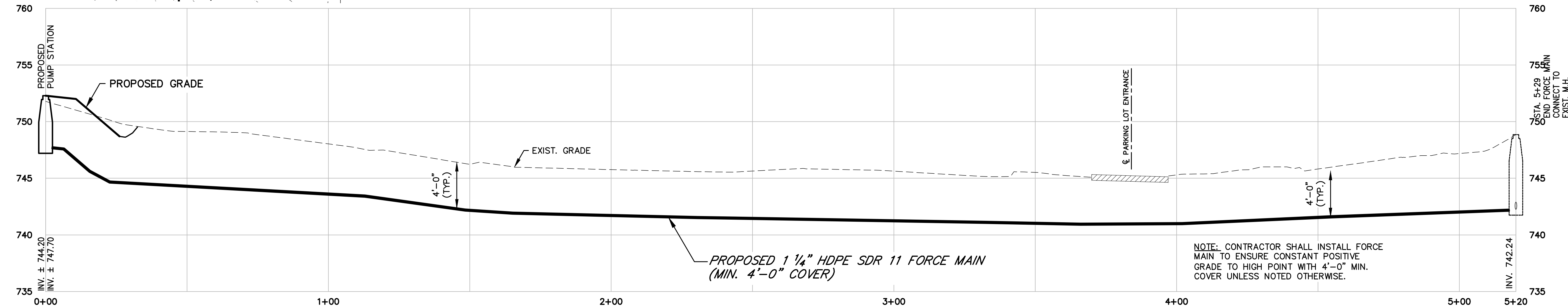
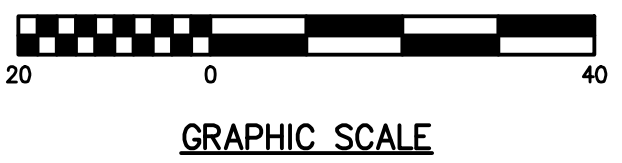
GENERAL NOTES

1. THE LOCATION OF EXISTING UTILITY LINES SHOWN ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES BEFORE BEGINNING CONSTRUCTION. THE CONTRACTOR MUST CALL UTILITIES PROTECTION NUMBER 811.
2. FORCE MAIN MINIMUM COVER SHALL BE 4'-0". THE CONTRACTOR SHALL INSTALL CONCRETE BLOCKING AT ALL FITTINGS AND BENDS.
3. ALL EXCAVATION INCLUDING TRENCHING, BORE PITS, ETC., SHALL BE BACKFILLED AT THE END OF EACH WORK DAY.
4. CONTRACTOR SHALL CLEAR ROAD AND EASEMENT RIGHT-OF-WAY AS REQUIRED TO INSTALL PROPOSED UTILITY AND DISPOSE OF ALL DEBRIS OFF SITE.
5. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.
6. EROSION CONTROL MEASURES WILL 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.
7. CONTRACTOR SHALL RE-GRASS ALL DISTURBED AREAS IMMEDIATELY AFTER PIPELINE CONSTRUCTION. LOCATIONS OF SILT FENCE AND CHECK DAMS SHOWN ARE APPROXIMATE. FINAL LOCATION TO BE DETERMINED IN FIELD IN ACCORDANCE WITH GSWCC BMP'S.
8. CONTRACTOR SHALL CONNECT PLUMBING FROM BUILDING TO PROPOSED PUMP STATION AND INSTALL CLEANOUT ON SERVICE LINE.
9. CONTRACTOR TO VERIFY LOCATION OF ALARM PANEL WITH OWNER.

CONNECT PROPOSED FORCE MAIN TO EXISTING M.H.



REQ'D:
CONNECT TO EXISTING
6" W.L. ON BLUFF ST.
1 - 6" x 2" TAPPING
SADDLE
1 - 2" G.V. & V.B.
CONC. BLOCKING



FORCE MAIN PROFILE

SCALE:
HORZ: 1" = 20'
VERT: 1" = 5'

NOTE: CONTRACTOR SHALL INSTALL FORCE MAIN TO ENSURE CONSTANT POSITIVE GRADE TO HIGH POINT WITH 4'-0" MIN. COVER UNLESS NOTED OTHERWISE.



GSWCC CERTIFICATION NO. 22351

REVISIONS		CITY OF ROCKMART, GEORGIA HISTORIC ROCKMART EVENT CENTER	
		WATER AND SEWER PLAN	
DRAWN	CHECKED		
SPS	JLR	SCALE: AS SHOWN	DATE: SEPTEMBER 2024
TURNIPSEED ENGINEERS		ATLANTA AUGUSTA ST. SIMONS ISLAND	SHEET C601

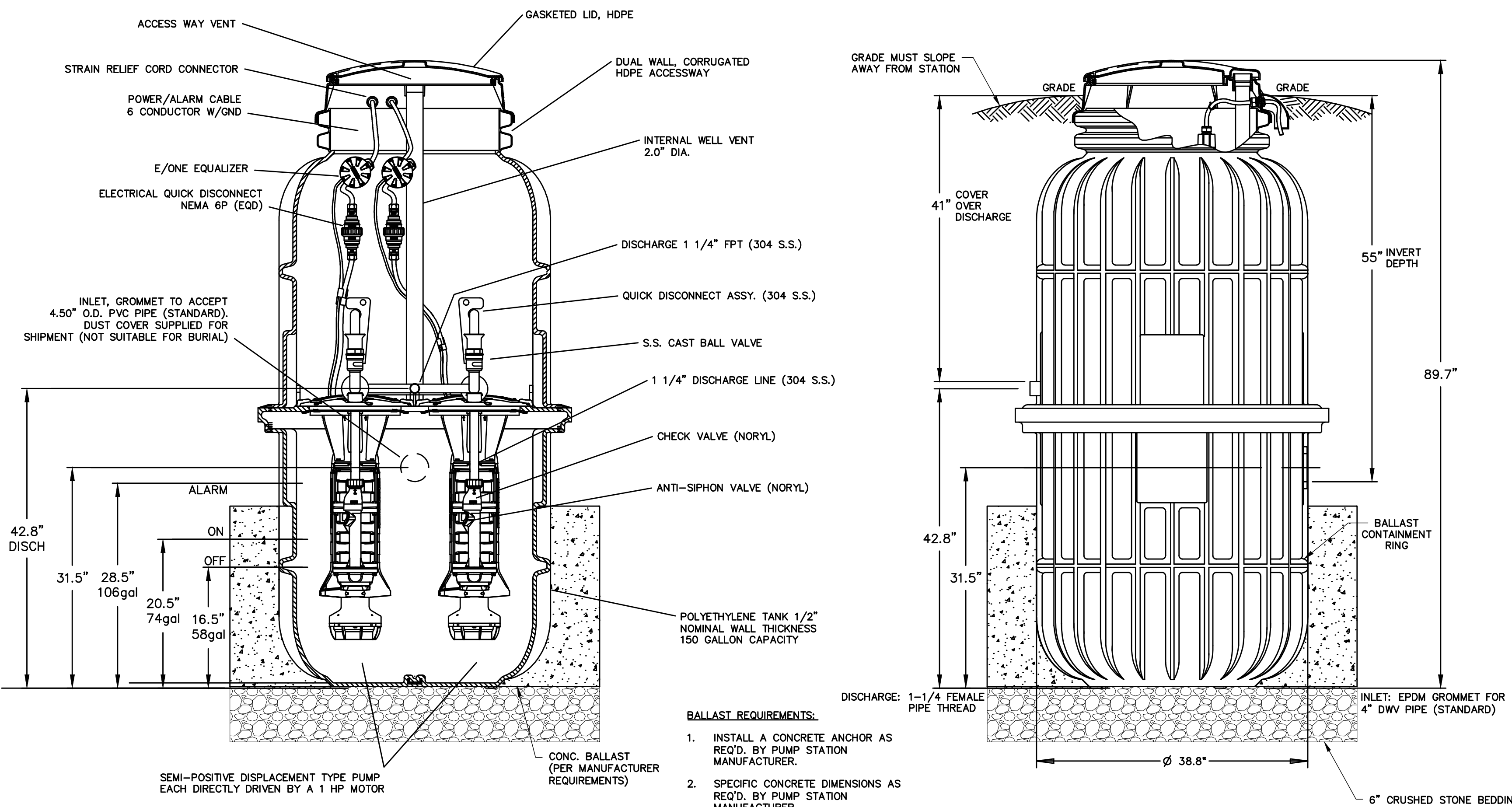
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ELECTRICAL SYMBOLS

(ALL OR SOME OF THESE SYMBOLS MAY BE USED ON THESE DRAWINGS)

ELECTRICAL PLANS

- PROVIDE RACEWAY, CONCEALED IN CEILING OR WALL.
- PROVIDE RACEWAY, CONCEALED IN FLOOR OR UNDERGROUND.
- PROVIDE RACEWAY, EXPOSED.
- PROVIDE RACEWAY, FLEXIBLE.
- EXISTING RACEWAY
- BRANCH CIRCUIT, HOMERUN TO PANEL BOARD: CIRCUIT WITHOUT FUTURE DESIGNATIONS, IS 2 # 12, 3/4" C, 3 # 12, 3/4" C, 4 # 12, 3/4" C. ALL WITH CODE SIZED GROUND.
- HOMERUN WITH 2/C SHIELDED, TWISTED NO. 16 SIGNAL CABLE IN 3/4" C.
- WALL OUTLET, DUPLEX RECEPTACLE, 15A, 125V, 3W, NEMA 5-15R W/ COVER
- DUPLEX GROUND TRIP RECEPTACLE W/ COVER
- RISER, UP OR DOWN.
- WALL OUTLET, JUNCTION BOX, EXPOSED OR SURFACE MOUNTED WP.
- MOTOR, HP SHOWN.
- MOTOR STARTER.
- SENSOR, PRESSURE TRANSDUCER, FLOW TRANSDUCER, FLOAT SWITCH ETC.
- SAFETY SWITCH, AMPS/POLES/ENCLOSURE.
- STREET LIGHT
- TRANSFER SWITCH (C= COMMON, N= NORMAL, E= EMERGENCY)
- MOLDED CASE CIRCUIT BREAKER, THERMAL MAGNETIC UPPER NUMBER INDICATES TRIP SETTING LOWER NUMBER INDICATES NUMBER OF POLES
- MOTOR CIRCUIT PROTECTOR
- MOTOR OVERLOADS, SOLID STATE U.N.O.
- REDUCED VOLTAGE SOLID STATE STARTER



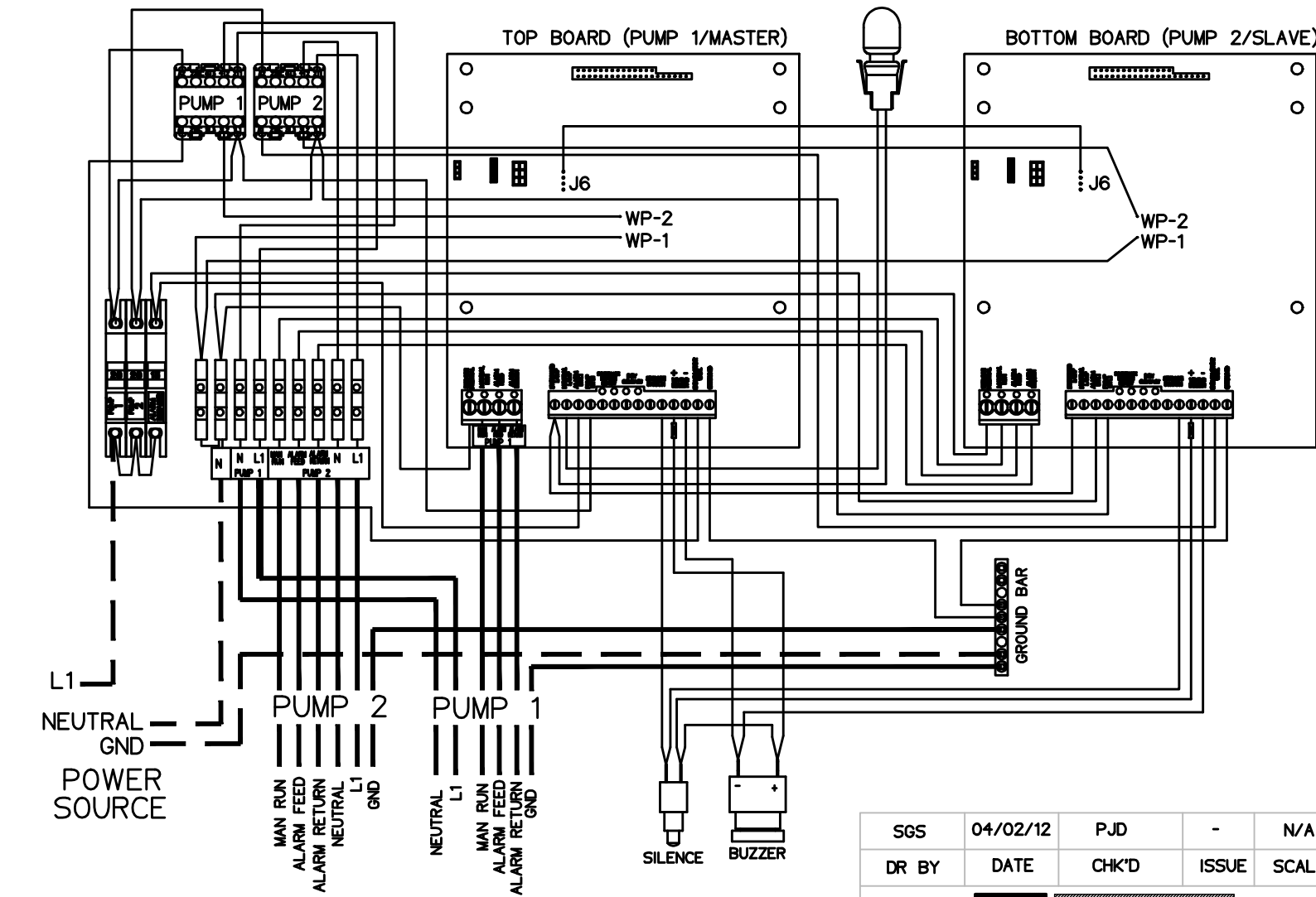
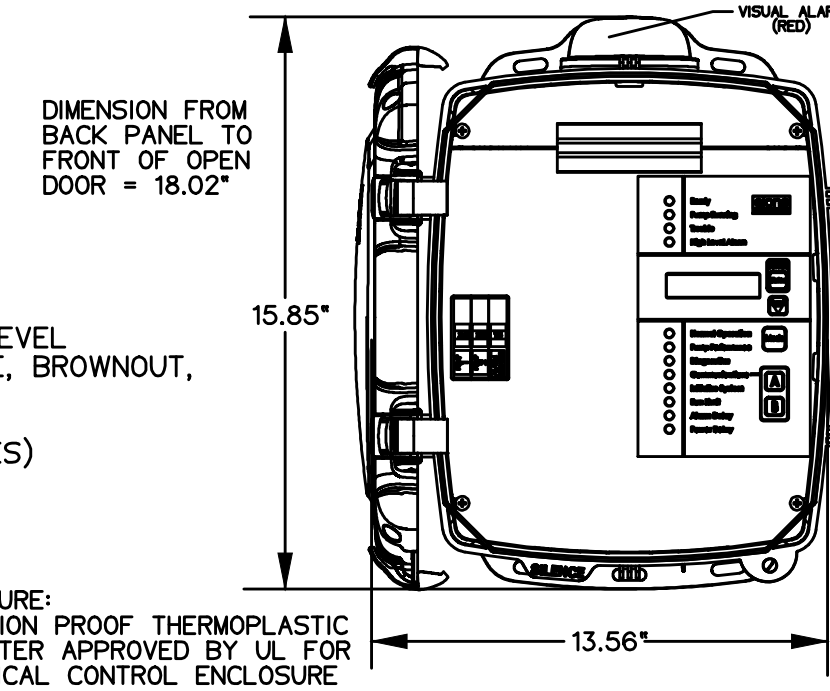
- BALLAST REQUIREMENTS:**
1. INSTALL A CONCRETE ANCHOR AS REC'D BY PUMP STATION MANUFACTURER.
 2. SPECIFIC CONCRETE DIMENSIONS AS REC'D BY PUMP STATION MANUFACTURER.

- NOTES:**
1. CONTRACTOR SHALL PROVIDE ALL-STAINLESS STEEL LATERAL VALVE AND METER BOX IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
 2. CONTRACTOR SHALL PROVIDE STAINLESS STEEL FLEX CONNECTOR FOR HDPE FORCE MAIN CONNECTION AS REQUIRED BY MANUFACTURER.

PUMP STATION
SCALE: NTS

SENTRY PROTECT PLUS DUPLEX

EXTERNAL VISUAL & AUDIBLE ALARM
 REMOTE SENTRY DRY CONTACTS FOR
 OPTIONAL POWER LOSS HIGH LEVEL
 ALARM (POWER LOSS ALARM FOR WIRELESS)
 MANUAL ALARM SILENCE
 MANUAL RUN
 STATUS LEDS: NORMAL, PUMP RUNNING, HIGH LEVEL
 TROUBLE INDICATIONS: RUN DRY, OVERPRESSURE, BROWNOUT,
 VOLTAGE, EXTENDED RUN TIME
 DRY CONTACTS
 CONFORMAL COATED CIRCUIT BOARD (BOTH SIDES)
 PADLOCK
 DEAD FRONT
 PREDICTIVE ALARMS
 REAL TIME PUMP PERFORMANCE
 ADJUSTABLE ALARM DELAY
 ADJUSTABLE RUN TIME DELAY
 HOUR/CYCLE COUNTER
 NEMA 4X ENCLOSURE ASSEMBLY



PIN	FUNCTION	2000S	EXTREME
1	MANUAL RUN	RED	BROWN
2	L1	BLACK	RED
3	N	WHITE	BLACK
4	GND	GREEN	GRN/YEL
5	ALARM FEED	ORANGE	YELLOW
6	ALARM RETURN	BLUE	BLUE

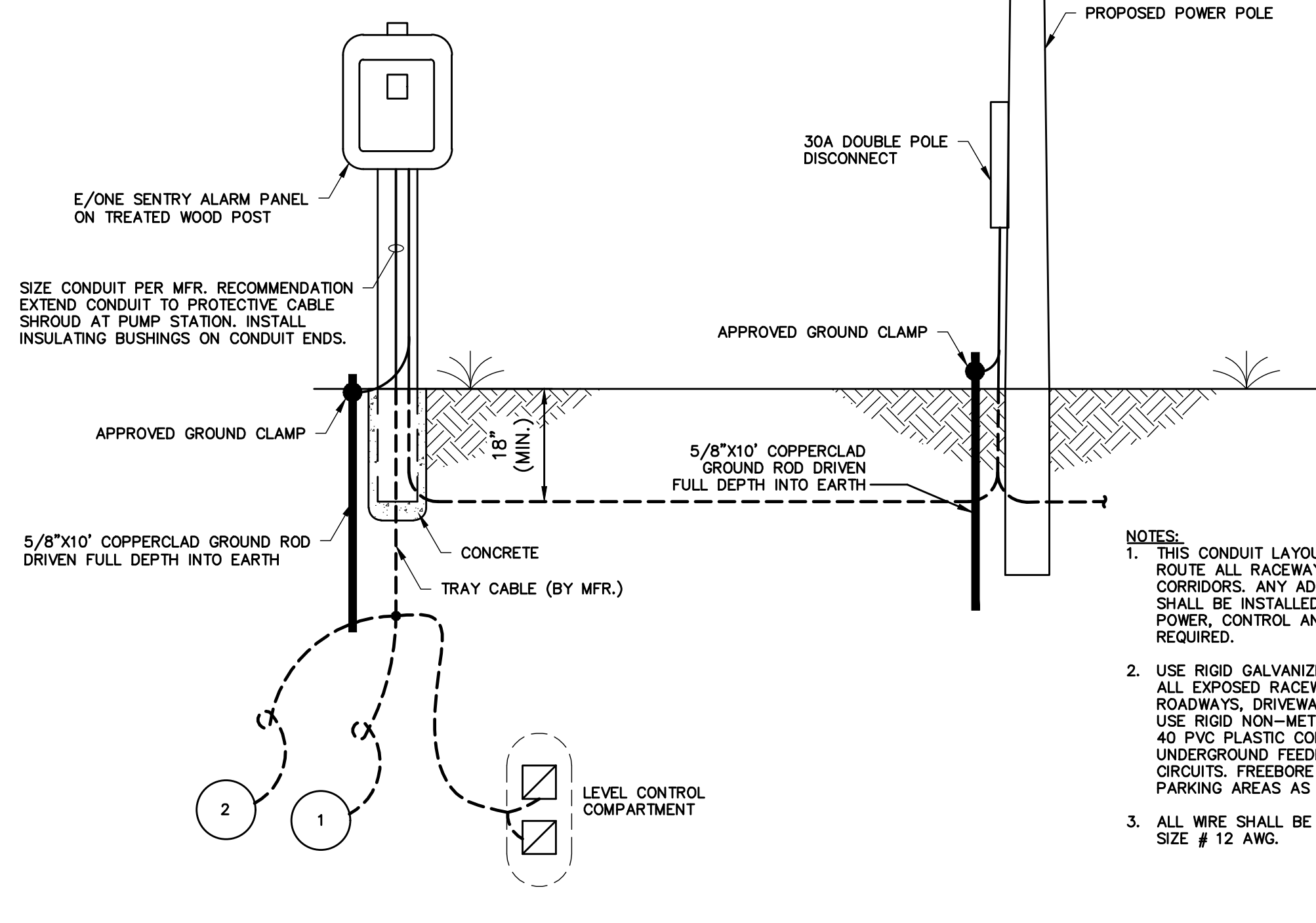
- LEGEND**
- FIRE HOSE
 - SUPPLY CABLE
 - FACTORY INSTALLED
- CONTROL CABLE:**
TYPE TC; DIRECT BURIAL, SIX CONDUCTOR

SOS 04/02/12 PJD - N/A
 DR BY DATE CHK'D ISSUE SCALE

eone
SEWER SYSTEMS

SENTRY PROTECT PLUS PANEL, DUPLEX
120V 60Hz

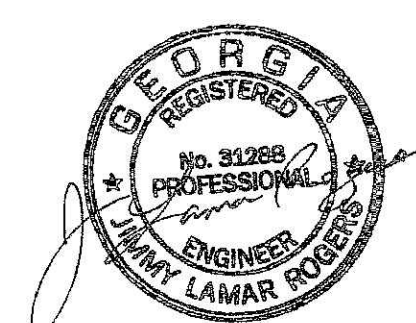
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- NOTES:**
1. THIS CONDUIT LAYOUT IS FOR GUIDANCE. ROUTE ALL RACEWAYS IN THE INDICATED CORRIDORS. ANY ADDITIONAL CONDUITS SHALL BE INSTALLED FOR RACEWAYS FOR POWER, CONTROL AND SIGNAL CIRCUITS AS REQUIRED.
 2. USE RIGID GALVANIZED STEEL CONDUIT FOR ALL EXPOSED RACEWAYS AND CKTS UNDER ROADWAYS, DRIVEWAYS AND PARKING AREAS. USE RIGID NON-METALLIC THICK SCHEDULE 40 PVC PLASTIC CONDUIT FOR OUTSIDE UNDERGROUND FEEDERS AND BRANCH CIRCUITS. FREEDORE ALL EXIST. DRIVEWAY & PARKING AREAS AS REQUIRED.
 3. ALL WIRE SHALL BE COPPER TYPE THHN MIN. SIZE # 12 AWG.

PUMP STATION RISER DIAGRAM
SCALE: NTS

REVISIONS		CITY OF ROCKMART, GEORGIA HISTORIC ROCKMART EVENT CENTER	
		PUMP STATION DETAILS	
DRAWN	CHECKED		
SPS	JLR	SCALE: AS SHOWN	DATE: SEPTEMBER 2024
TURNIPSEED ENGINEERS		ATLANTA AUGUSTA ST. SIMONS ISLAND	SHEET C602

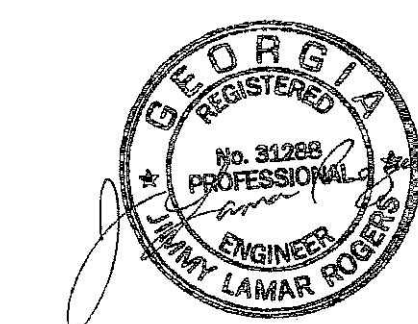


GSWCC CERTIFICATION NO. 22351

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ELECTRICAL NOTES

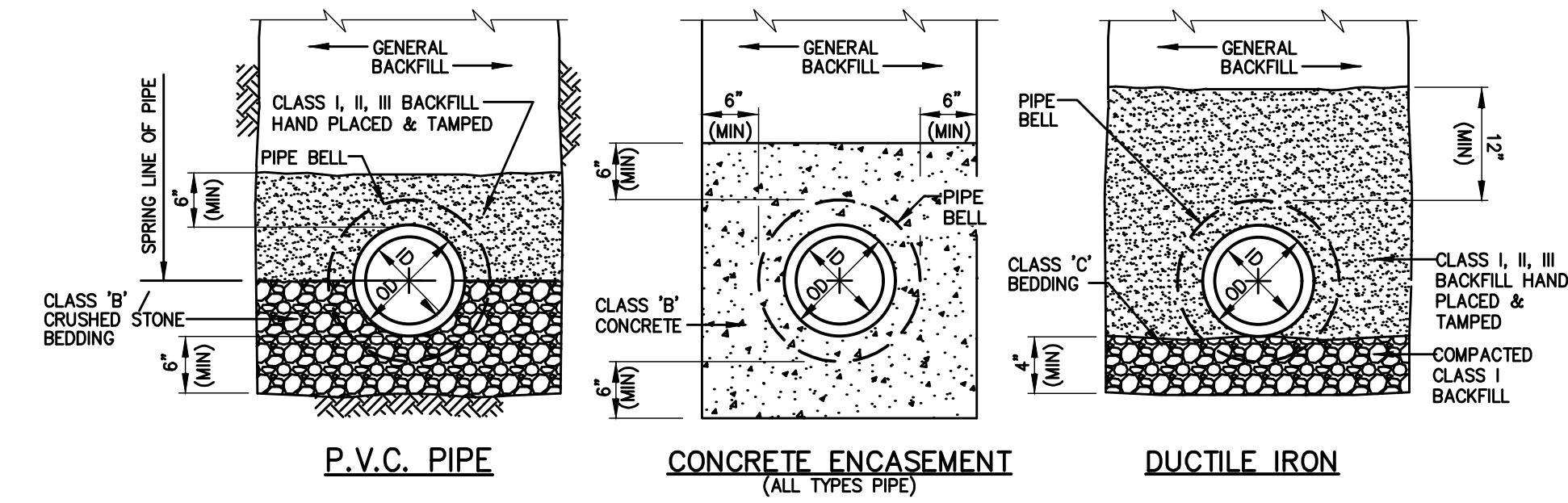
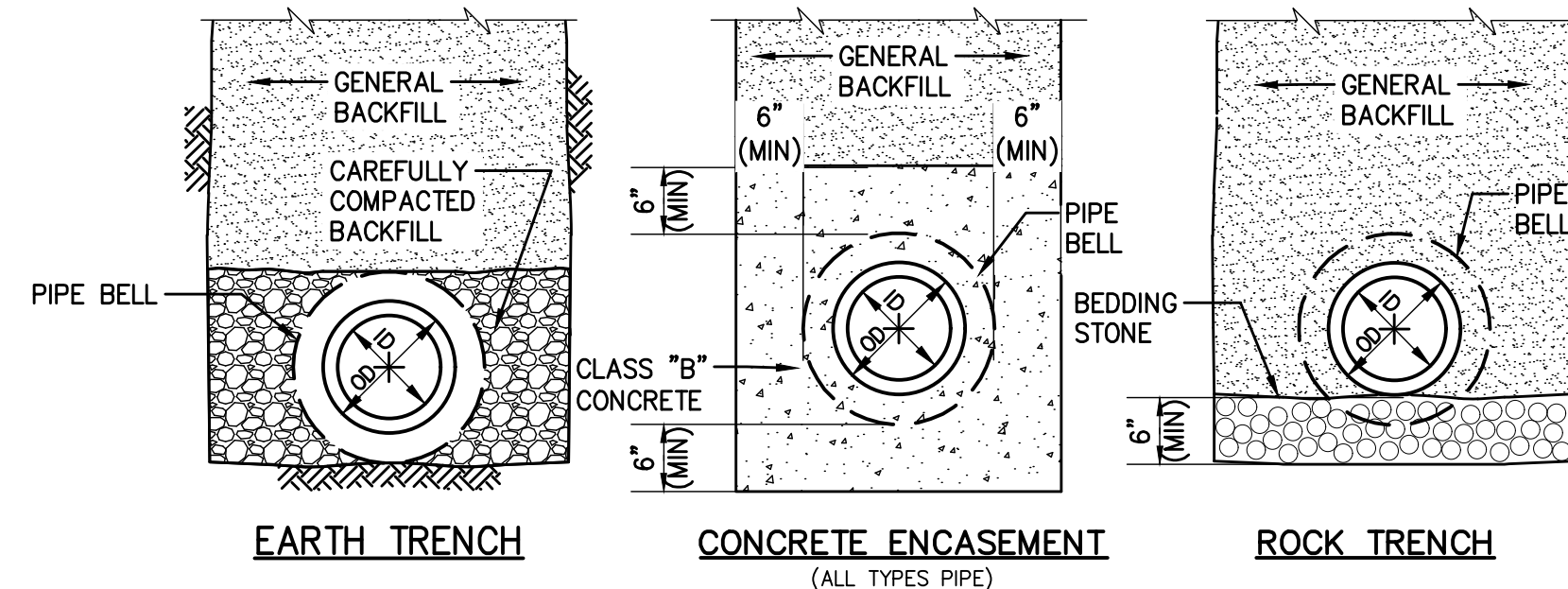
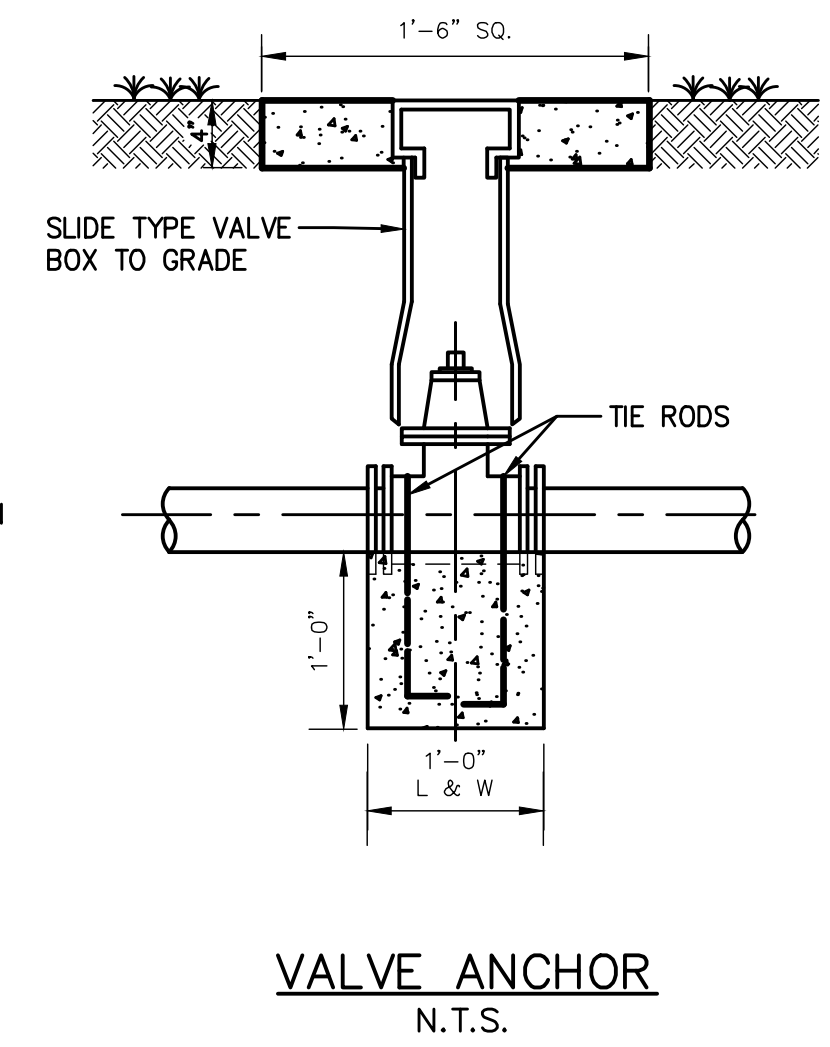
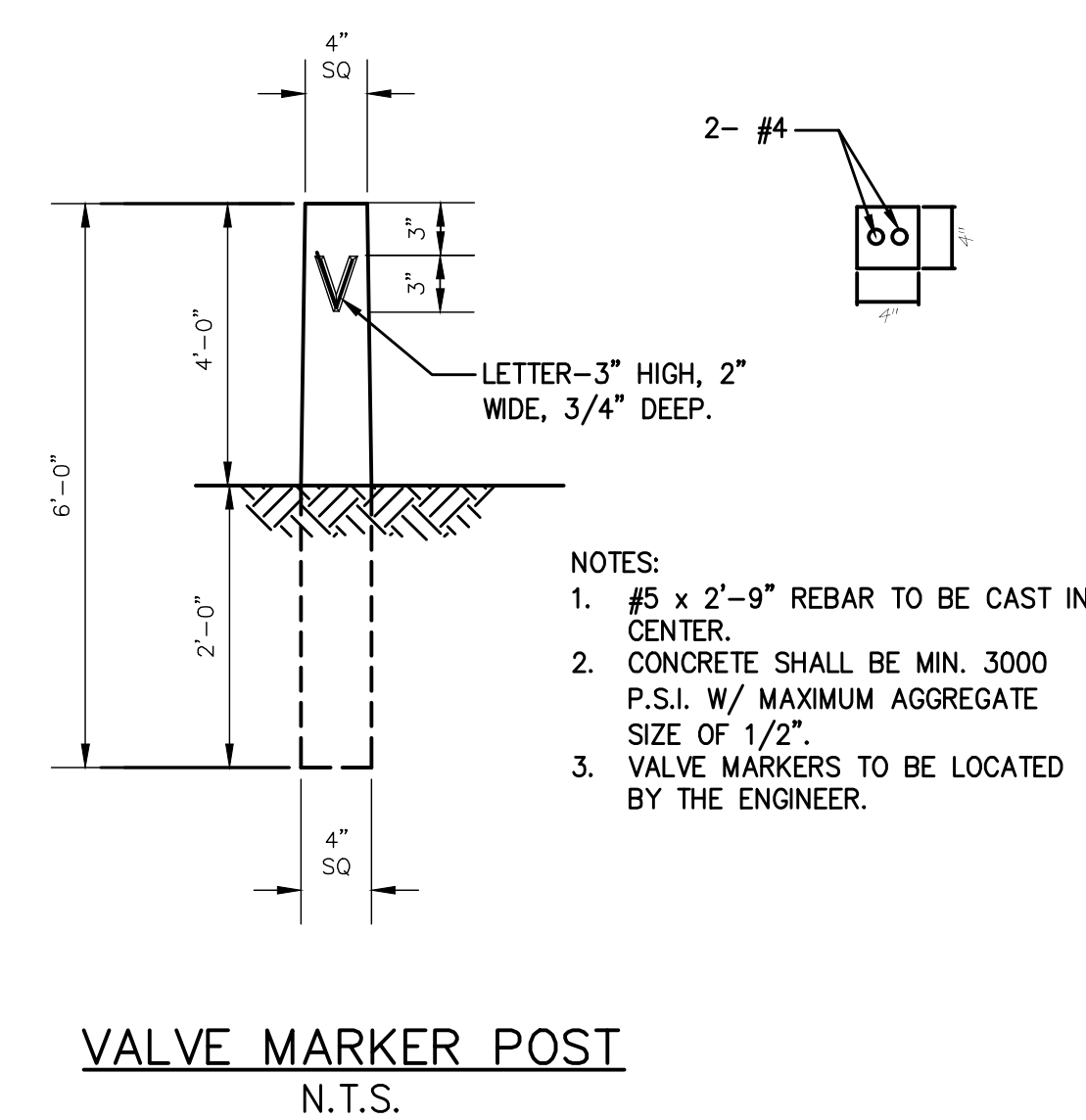
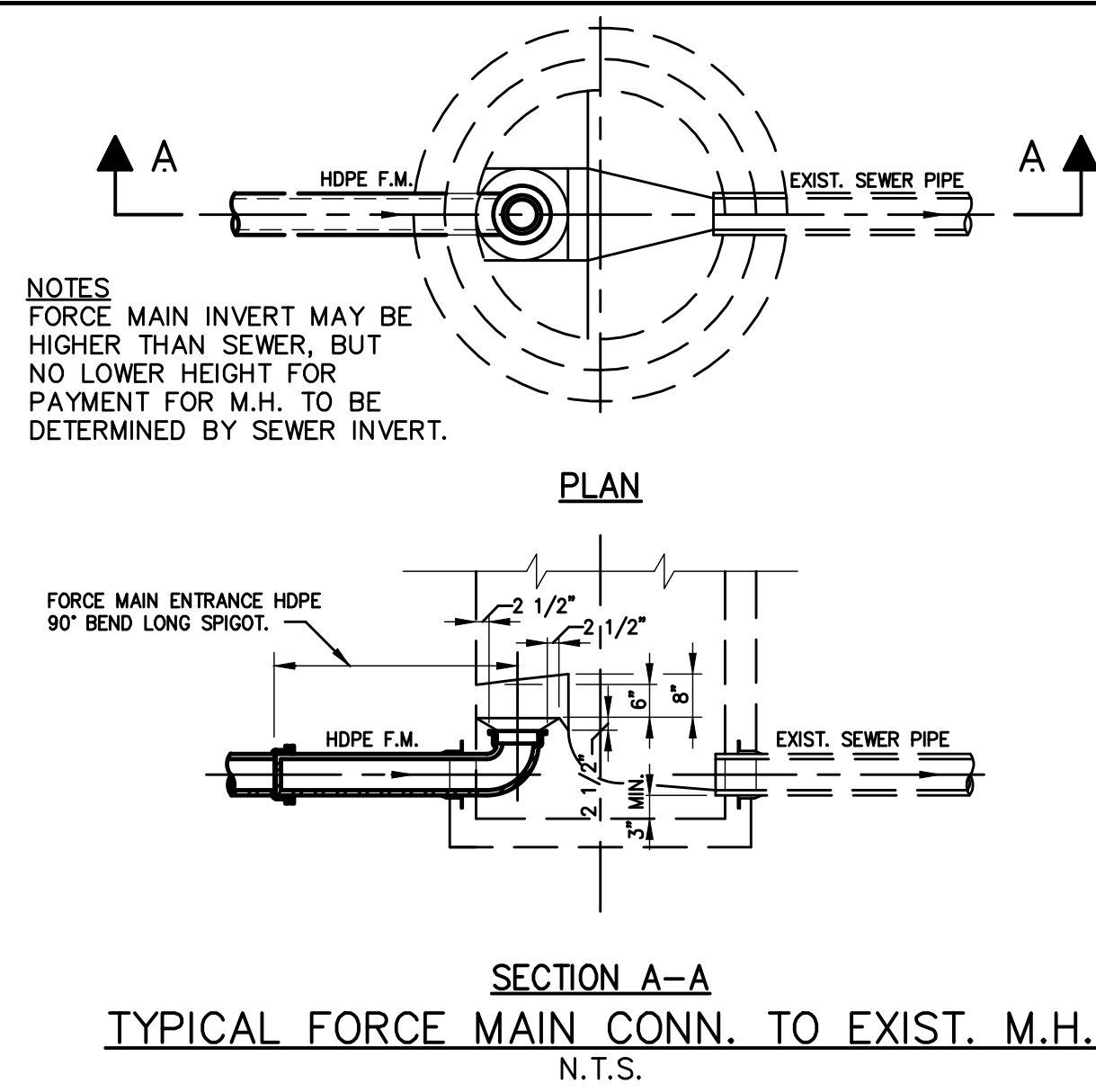
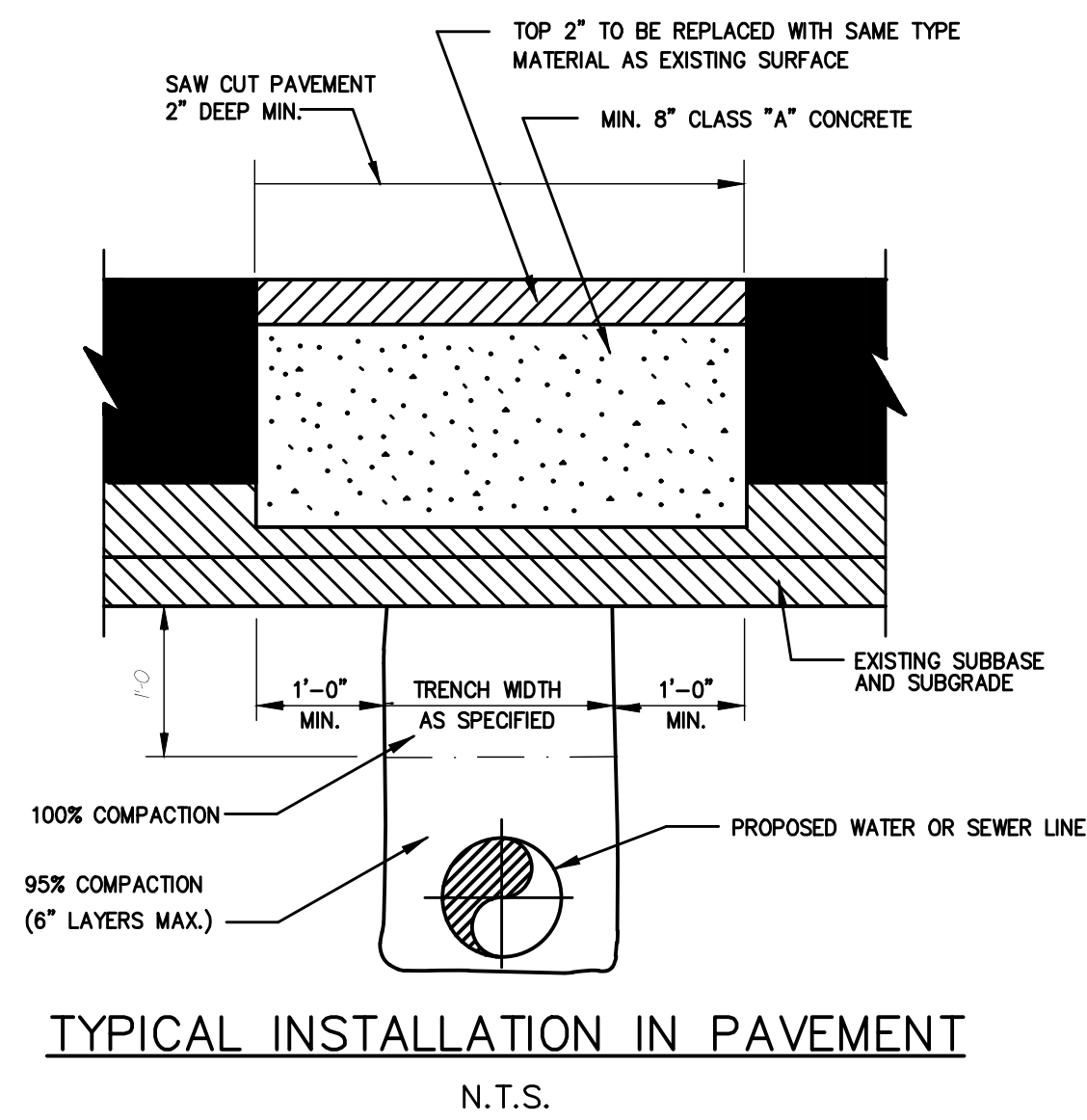
1. SCOPE OF WORK:
- A. WORK COVERED BY THIS SPECIFICATION CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, SUPPLIES AND MATERIALS, AND PERFORMING ALL OPERATIONS INCLUDING CUTTING, TRENCHING AND BACKFILLING, ETC., NECESSARY FOR THE INSTALLATION OF COMPLETE WIRING SYSTEMS AS SHOWN ON DRAWINGS AND AS HEREAFTER SPECIFIED.
 - B. WORK SHALL INCLUDE POWER DISTRIBUTION AND CONTROLS, LIGHTING SYSTEMS, INSTRUMENTATION AND METERING, WIRING AND TELEPHONE SERVICE (WHERE REQUIRED).
2. QUALITY ASSURANCE: INSTALLATION SHALL COMPLY WITH ALL LAWS APPLICABLE TO ELECTRICAL INSTALLATIONS WHICH ARE ENFORCED BY LOCAL AUTHORITIES, WITH THE REGULATIONS OF NATIONAL ELECTRICAL CODE WHERE SUCH REGULATIONS DO NOT CONFLICT WITH LOCAL LAWS, AND WITH REGULATIONS OF THE UTILITY COMPANY THAT SERVES THE FACILITY. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED BY LOCAL AUTHORITIES AND, AFTER COMPLETION OF WORK, SHALL FURNISH ENGINEER AND OWNER, A CERTIFICATE OF FINAL INSPECTION AND APPROVAL FROM INSPECTION BUREAU HAVING JURISDICTION. CONTRACTOR SHALL NOTIFY ENGINEER AND OWNER THAT CERTIFICATE HAS BEEN FURNISHED TO UTILITY COMPANY AND THAT APPLICATION FOR SERVICE CAN BE FILED.
- ALL MATERIALS SHALL BE NEW AND SHALL BEAR A U.L. LABEL OR BE LISTED BY UNDERWRITER'S LABORATORIES AS CONFORMING TO ITS STANDARDS WHERE SUCH A STANDARD HAS BEEN ESTABLISHED FOR THE PARTICULAR TYPE OF MATERIAL IN QUESTION.
3. REFERENCE: ALL WORK SHALL CONFORM TO APPLICABLE STANDARDS OF ANSI, IEEE, ISA, NEMA, UL AND NEC.
4. SUBMITTALS:
- A. CONTRACTOR'S SUBMITTAL SHALL INCLUDE A LIST OF MANUFACTURERS OF PRINCIPAL ITEMS OF EQUIPMENT AND MATERIAL INCLUDING WIRE, RACEWAYS, DEVICES, BOXES, PANELBOARDS, CONNECTORS, ETC. FULL INFORMATION SHALL BE FURNISHED ON PRODUCTS OF MANUFACTURERS NOT NAMED IN THE CONTRACT DOCUMENTS.
 - B. SHOP DRAWINGS SHALL BE SUBMITTED GIVING PERFORMANCE DATA, PHYSICAL SIZE, WIRING DIAGRAMS, MATERIALS, ETC., FOR CONTROL CENTERS, LIGHTING FIXTURES, MOTOR CONTROLLERS, PANELBOARDS, CONDUIT AND DUCT, AND CABLE AND WIRE IN ACCORDANCE WITH THE GENERAL REQUIREMENTS OF THESE SPECIFICATIONS.
 - C. THE REQUIREMENTS OF EACH ELECTRICAL SYSTEM SHALL BE IDENTIFIED BY THE CONTRACTOR BEFORE SUBMISSION OF SHOP DRAWINGS, AND ALL NECESSARY ACCESSORY PARTS REQUIRED BETWEEN ITEMS OF ELECTRICAL EQUIPMENT SHALL BE IDENTIFIED IN SUFFICIENT DETAIL TO PROVE THAT THE TOTAL EQUIPMENT FURNISHED AND INSTALLED WILL OPERATE AS SPECIFIED AND SHOWN ON THE DRAWINGS.
 - D. SHOP DRAWINGS AND SAMPLES SHALL BE THOROUGHLY CHECKED AND COORDINATED BY THE CONTRACTOR FOR DETAILS AND FULFILLMENT OF CONTRACT REQUIREMENTS PRIOR TO SUBMITTAL. APPROVAL OF ANY ITEM DOES NOT RELIEVE CONTRACTOR OF RESPONSIBILITY FOR COORDINATING DIMENSIONS AND WORK REQUIRED BY OTHER TRADES.
5. DELIVERY, STORAGE AND HANDLING: ALL MATERIALS SHALL BE UNLOADED AND STORED IN A MANNER TO AVOID PHYSICAL DAMAGE OR DETRIMENTAL EFFECTS OF EXPOSURE TO WEATHER.
6. PRODUCTS:
- A. ACCEPTABLE MANUFACTURERS: CATALOG NUMBERS OF DEVICES, FIXTURES, EQUIPMENT, ETC., ARE USED FOR EASE IN DESCRIBING STANDARD OF QUALITY DESIRED. DEVICES, FIXTURES, EQUIPMENT, ETC., BY OTHER MANUFACTURERS, PERFORMING THE SAME FUNCTIONS AND CONSIDERED EQUAL IN QUALITY BY THE ENGINEER WILL BE ACCEPTABLE.
 - B. CONDUITS: ALL WIRING SHALL BE IN A RACEWAY OR CONDUIT, AND THE FOLLOWING SHALL GOVERN TYPE USED THROUGHOUT THE PROJECT EXCEPT AS OTHERWISE SPECIFIED.
1. RIGID GALVANIZED STEEL CONDUIT: USE FOR ALL EXPOSED RACEWAYS, EXCEPT AS OTHERWISE NOTED
2. ELECTRICAL METALLIC TUBING (EMT): USE FOR ALL CONCEALED RACEWAYS IN CEILINGS AND WALLS
3. LIQUID-TIGHT FLEXIBLE STEEL CONDUIT: USE FOR FINAL CONNECTIONS TO ALL MOTORS, VIBRATING EQUIPMENT AND IN WET OR DAMP INSTALLATIONS. OUTER COVERING SHALL BE POLYVINYL CHLORIDE AND INNER CORE SHALL BE GALVANIZED STEEL.
4. RIGID NON-METALLIC PVC PLASTIC CONDUIT: USE FOR OUTSIDE UNDERGROUND FOR FEEDERS AND BRANCH CIRCUITS EXCEPT AS OTHERWISE NOTED AND WHERE SPECIFICALLY INDICATED ON DRAWINGS. A GROUNDING CONDUCTOR SHALL BE INSTALLED IN EACH NON-METALLIC CONDUIT TO MAINTAIN GROUNDING CONTINUITY, FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR HEAT BENDS AND CEMENT APPLICATION. INSTALL PLASTIC TO RIGID ADAPTER BEFORE EMERGING FROM GROUND OR RUNNING UNDER BUILDING. INSTALL EXPANSION FITTINGS FOR EACH 100' OF UNBROKEN PVC RUN.
5. WHERE NON-METALLIC PVC PLASTIC CONDUIT IS INSTALLED UNDERGROUND IN GROUPS OF 3 OR MORE, IT SHALL BE INSTALLED IN DUCT BANKS AS INDICATED ON THE DRAWINGS.
6. ALL CONDUITS ENTERING BOXES, CABINETS, PANELS OF SIMILAR EQUIPMENT SHALL HAVE DOUBLE LOCKNUTS AND INSULATING BUSHING.
7. IN ALL LIQUID-TIGHT FLEXIBLE STEEL CONDUIT, PROVIDE A GREEN GROUNDING CONDUCTOR SIZED PER NEC. BOND AT FIXTURE, MOTOR, ETC., AND ALSO BOND AT BOX WHERE FLEXIBLE CONDUIT ORIGINATES OR THE NEXT BOX IN LINE.
8. A CODE SIZED GROUNDING CONDUCTOR SHALL BE INSTALLED IN ALL RACEWAYS.
7. RACEWAYS:
- A. ALL RACEWAYS SHALL CONFORM TO UNDERWRITER'S LABORATORIES AND NEMA STANDARDS AND BE FULLY UL LABELED.
 - B. RIGID STEEL AND EMT GALVANIZED RACEWAYS SHALL HAVE A SHERADIZED, BONDERIZED, GALVANIZED OR SIMILAR APPROVED COATING.
 - C. RIGID NON-METALLIC PVC (POLYVINYL CHLORIDE) PLASTIC RACEWAYS SHALL CONFORM TO FEDERAL SPEC. W-C-1094 AND BE THICKWALL, SCHEDULE 40.
- D. CONDUCTORS:
- 1. ALL CONDUCTORS SHALL BE TYPE THW, XHHW, THHN, THHW OR RHW #12 AWG MINIMUM, INSULATED, COLOR CODED, AND BE OF 98% CONDUCTIVITY COPPER WITH #10 AWG AND SMALLER SOLID EXCEPT CONTROL WIRING WHICH SHALL BE STRANDED, AND #8 AWG AND ABOVE STRANDED.
 - 2. CONDUCTOR SPLICES AND CONNECTIONS SHALL BE MADE WITH APPROVED SOLDERLESS LUGS AND MECHANICAL CONNECTIONS TO INSURE POSITIVE ELECTRICAL AND MECHANICALLY STRONG JOINTS. USE OF CONNECTORS WITHOUT INTERNAL SPIRAL SPRING, SO CALLED WRENUTS, ARE NOT ACCEPTABLE.
 - 3. WHERE BOLTED CONNECTORS ARE USED FOR MAKEUP OF CABLES OR FOR TERMINATION, THEY MUST BE EXACT SIZE TO SUIT CABLE BEING USED. TRIMMING, SHIMMING OR CUTTING OF CONDUCTOR STRANDS IS NOT PERMITTED. WHERE BRANCH CIRCUIT CONDUITS ARE JOINTED OR SPLICED USING CRIMP-ON OR TWIST-ON CONNECTORS, WIRES MUST FIRST BE TWISTED TOGETHER FULL LENGTH AND THEN CONNECTOR INSTALLED.
 - 4. CONTROL CABLE SHALL BE MINIMUM #14 AWG SINGLE OR MULTIPLE CONDUCTOR, 600V INSULATION.
- E. OUTLETS:
- 1. BOXES FOR EXPOSED WORK SHALL BE OF CAST ALLOY OR CAST STEEL TYPE WITH THREADED HUBS.
 - 2. PULL OR JUNCTION BOXES SHALL BE CONSTRUCTED OF CODE GAUGE GALVANIZED STEEL SIZED PER NEC OR AS NOTED, CONTINUOUSLY WELDED ALONG SEAMS, AND FITTED WITH SCREW ON COVER PLATE SECURED WITH STAINLESS STEEL COVERS.
 - 3. ALL OUTLET OR JUNCTION BOXES OF PRESSED OR SHEET STEEL TYPE SHALL BE GALVANIZED, SHERADIZED, BONDERIZED OR TREATED WITH A SIMILAR APPROVED CORROSION INHIBITOR.
 - 4. OUTSIDE, UNDERGROUND PULL AND JUNCTION BOXES SHALL BE CAST IRON WITH BOLTED RECESSED COVERS SIMILAR TO SIDEWALK TYPE BOXES WITH THREADED HUBBS.
- F. GROUNDING:
- 1. ALL EQUIPMENT, BUILDING STEEL AND MAIN SERVICE MUST BE EFFECTIVELY AND PERMANENTLY GROUNDING WITH A CROSS SECTION AS REQUIRED BY THE NEC AND OF CAPACITY SUFFICIENT TO INSURE EFFECTIVENESS OF THE GROUND CONNECTIONS FOR FAULT CURRENT. GROUND CONDUCTORS MUST BE AS SHORT AND STRAIGHT AS POSSIBLE, PROTECTED FROM MECHANICAL INJURY, IF PRACTICAL, WITHOUT SPLICE OR JOINT.
 - 2. RACEWAYS, BOXES, OUTLETS, CABINETS, ETC., SHALL BE BONDED TOGETHER TO FORM A CONTINUOUS METALLIC GROUNDING CIRCUIT IN ACCORDANCE WITH NEC.
 - 3. MAIN SERVICE CONDUITS, ENTERING SWITCHGEAR, PANELS, CONTROL CENTER, SWITCHES, ETC., SHALL BE PROVIDED WITH INSULATING BUSHINGS WITH GROUND LUG AND CONNECTED TO BUILDING GROUND SYSTEM.
 - 4. ALL FLEXIBLE CONDUITS MAKING FINAL CONNECTIONS TO MOTORS, LIGHTS, VIBRATING EQUIPMENT, ETC., SHALL CONTAIN A GREEN COPPER BONDING CONDUCTOR WHICH SHALL EXTEND FROM OUTLET BOX WHERE FLEXIBLE CONDUIT ORIGINATES OR FROM NEAREST BOX IN LINE TO THE EQUIPMENT SERVED.
- G. LIGHTING AND DISTRIBUTION PANELBOARDS: PANELBOARDS SHALL BE FACTORY ASSEMBLED, DEAD FRONT, COPPER OR TIN PLATED ALUMINUM BUS, CIRCUIT BREAKER TYPE FOR SOLID NEUTRAL SERVICES WITH LUGS OR MAIN BREAKER TYPE AND IN A FLUSH OR SURFACE MOUNTING CABINET HAVING A MINIMUM WIDTH OF 20" AND DEPTH OF 5-3/4" AND HAVING HINGED LOCKING DOOR. PANELBOARDS WITH PLUG-IN-CIRCUIT BREAKERS WILL NOT BE ACCEPTABLE. CIRCUIT BREAKERS SHALL BE BOLT-IN, QUICK MAKE, QUICK BREAK, TRIP FREE, WITH COMBINATION THERMAL AND MAGNETIC TRIP WITH COMMON TRIP POLE BREAKERS, MEETING FEDERAL SPEC. W-C-357A. MULTIPOLE BREAKERS SHALL HAVE ONE OPERATING HANDLE. THE HANDLES WILL NOT BE ACCEPTABLE. CIRCUIT BREAKER ARRANGEMENTS, PHASE, VOLTAGE, WIRES, AND SPECIAL FEATURES SHALL BE AS SHOWN ON DRAWINGS. THIN, TWIN OR TANDEM BREAKERS ARE NOT ACCEPTABLE. BREAKERS TO HAVE 10,000 A.I.C. RATING UNLESS OTHERWISE INDICATED.
5. EXECUTION:
- A. INSPECTION: INSPECT PRECEDING WORK TO INSURE SATISFACTORY COMPLETION PRIOR TO ELECTRICAL WORK.
 - B. PREPARATION: COORDINATE WORK WITH POWER COMPANY AND OWNER TO MINIMIZE DELAYS IN OPERATION OF NEW FACILITIES.
 - C. WIRING LAYOUTS OR SCHEMATICS ARE NOT INTENDED TO SHOW EXACT LOCATION OF RACEWAYS, OUTLETS, ETC. CONTRACTOR SHALL REFER TO BUILDING PLANS AND DETAILS FOR DIMENSIONS AND SHALL FIT HIS WORK TO CONFORM TO DETAILS OF BUILDING CONSTRUCTION. THE RIGHT IS RESERVED TO SHIFT ANY SWITCH, RECEPTACLE, CEILING OR OTHER OUTLET A MAXIMUM OF 10' FROM ITS LOCATION AS SHOWN ON DRAWINGS, BEFORE IT IS PERMANENTLY INSTALLED, WITHOUT INCURRING ADDITIONAL EXPENSE.
 - D. INSTALLATION: CONTRACTOR SHALL FURNISH ALL LABOR AND FURNISH, INSTALL, CONNECT, TEST AND ADJUST ALL EQUIPMENT AND MATERIALS TO FORM A COMPLETE OPERATING INSTALLATION, INCLUDING WIRING HANGERS, SUPPORTS FOR EQUIPMENT, CABLES, CONDUITS, CABLE TRAY, CABLE TRENCH, PULL BOXES ANCHORS AND INSERTS, IDENTIFICATION PLATES, SIGNS, AND TAGS FOR EQUIPMENT, CONDUITS, WIRING AND WIRING LABELS.
- THE ELECTRICAL WORK SHALL BE INSTALLED IN SUCH A MANNER AND AT SUCH TIMES AS WILL REQUIRE A MINIMUM OF CUTTING AND PATCHING OF THE BUILDING STRUCTURE.
10. RACEWAYS AND CONDUCTORS:
- A. RACEWAYS SHALL BE SUPPORTED FROM BUILDING CONSTRUCTION AT INTERVALS NOT EXCEEDING 8' WITH STRAPS AND EXPANSION BOLTS FOR MASONRY OR CONCRETE CONSTRUCTION.
 - B. ALL RACEWAYS SHALL BE RIGIDLY SUPPORTED FROM BUILDING STRUCTURE BY RODS OR HANGERS ATTACHED TO BUILDING STRUCTURE. RACEWAYS SHALL NOT BE ATTACHED TO ANY RODS OR HANGERS REQUIRED BY OTHER TRADES.
 - C. ALL RACEWAYS ENTERING CABINETS, PANELS, SWITCHBOXES, SWITCHGEAR, JUNCTION BOXES, ETC. SHALL BE FITTED WITH DOUBLE LOCKNUTS AND BUSHINGS. ONE LOCKNUT INSIDE AND ONE OUTSIDE BOX SHALL BE USED.
 - D. ALL RACEWAY STUBS SHALL BE SUFFICIENTLY PLUGGED OR CAPPED DURING CONSTRUCTION TO PREVENT ENTRY OF WATER, DEBRIS, MORTAR, ETC.
 - E. FEEDER CABLE CONDUCTORS SHALL BE PULLED INTO RACEWAYS USING AN APPROVED SOAPSTONE PRODUCT LUBRICANT. PULL CONDUCTORS WITH A PULLING EYE ATTACHED TO CONDUCTOR SO NOT TO STRETCH OR INJURE INSULATION.
 - F. CONDUCTORS WITHIN SWITCHBOARDS, PANELBOARDS, TERMINAL CABINETS, STARTERS, CONTROL CENTERS, ETC., SHALL BE NEATLY FORMED AND TRAINED TO RUN PARALLEL TO OR AT RIGHT ANGLES TO THE DEVICE. CONDUCTORS SHALL BE BUNDLED TOGETHER AND LACED USING NYLON TIE STRAPS.
 - G. BOXES AND OUTLETS SHALL BE CAST ALLOY TYPE AND SECURELY ATTACHED TO BUILDING STRUCTURE USING EXPANSION BOLTS FOR MASONRY OR CONCRETE CONSTRUCTION.
 - H. SWITCHES SHALL BE INSTALLED 4' ABOVE FLOOR TO TOP OF BOXES EXCEPT AS OTHERWISE NOTED.
 - I. RECEPTACLES SHALL, IN GENERAL, BE INSTALLED VERTICALLY 1'-4" ABOVE THE FLOOR EXCEPT AS NOTED OTHERWISE.
 - J. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING PROPER CONNECTION AT EACH ITEM OF EQUIPMENT REQUIRING SERVICE AND CONNECT ACCORDINGLY. THE TERM "STUB-UP AND CONNECT" OR "CONNECT" USED ON DRAWINGS IMPLIES A FULL CONNECTION AS REQUIRED FOR EACH PIECE OF EQUIPMENT TO PLACE IT IN SATISFACTORY OPERATION. IF EQUIPMENT COMES EQUIPPED WITH CORD AND PLUG, INSTALL PROPER MATCHING RECEPTACLE.
 - K. CONTROL RACEWAY AND WIRING SHALL BE INSTALLED AND FULLY CONNECTED TO MAKE SYSTEM OPERATIONAL.
 - L. LIGHTING PROTECTION SHALL BE INSTALLED AT EACH SITE AS INDICATED ON THE DRAWINGS. THE LIGHTNING ARRESTERS SHALL BE GROUNDED TO A SEPARATELY DRIVEN GROUND ROD PLUS CONNECTION TO THE METALLIC WATER SUPPLY AND GROUNDING SYSTEM.
11. ADJUSTING AND CLEANING:
- A. CLEAN AND LAMP ALL LIGHTING FIXTURES AFTER INSTALLATION AND WIRING. INSTALL ALL FUSES. ALL LIGHTING FIXTURES SHALL BE CLEAN AT TIME OF FINAL ACCEPTANCE.
 - B. PROVIDE ALL WIRING FOR TESTING AND TRIALS, FOR ALL REQUIRED CORRECTIONS, CHANGES, ADDITIONS, COMPLETIONS AND ADJUSTMENTS UNTIL FINAL ACCEPTANCE OF THE WORK.
 - C. COORDINATE NUMBERS AND LABEL ALL FIELD WIRING BETWEEN EQUIPMENT OF THE VARIOUS ELECTRICAL EQUIPMENT SUPPLIERS.
 - D. ANY DAMAGE TO WORK ALREADY IN PLACE AS A RESULT OF ELECTRICAL WORK SHALL BE REPAIRED AND MADE GOOD AT NO EXPENSE TO THE OWNER.
12. TESTING AND ACCEPTANCE: PRIOR TO ACCEPTANCE BY THE OWNER, ALL CONTROL SYSTEMS SHALL FUNCTION AS REQUIRED; ALL MOTORS SHALL BE CONNECTED TO PROTECTIVE DEVICES AND CONTROL DEVICES ASSOCIATED WITH A MACHINE, OR A GROUP OF MACHINES TO PRODUCE THE CORRECT OPERATING, TIMING AND SEQUENCING NECESSARY FOR THE PROPER FUNCTIONING OF THE MECHANICAL EQUIPMENT.
13. AS-BUILT DRAWINGS: SUBMIT ONE BLUELINE PRINT OF THE CONTRACT DRAWINGS MARKED TO SHOW AS-BUILT LOCATIONS AND DESCRIPTION OF ALL ELECTRICAL WORK.



GSWCC CERTIFICATION NO. 22351

REVISIONS		CITY OF ROCKMART, GEORGIA HISTORIC ROCKMART EVENT CENTER	
DRAWN		ELECTRICAL NOTES	
CHECKED		DATE: SEPTEMBER 2024	
SPS	JLR	SCALE: AS SHOWN	DATE: SEPTEMBER 2024
TURNIPSEED ENGINEERS		ATLANTA AUGUSTA ST. SIMONS ISLAND	SHEET C604

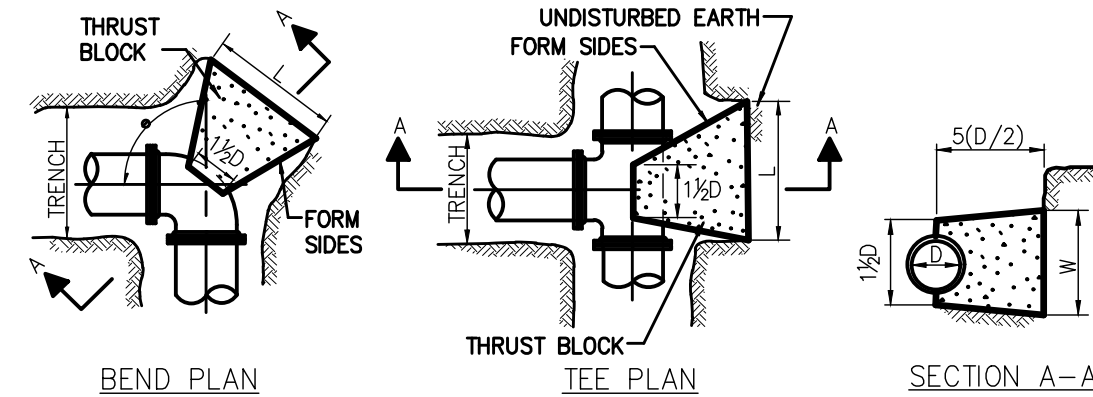
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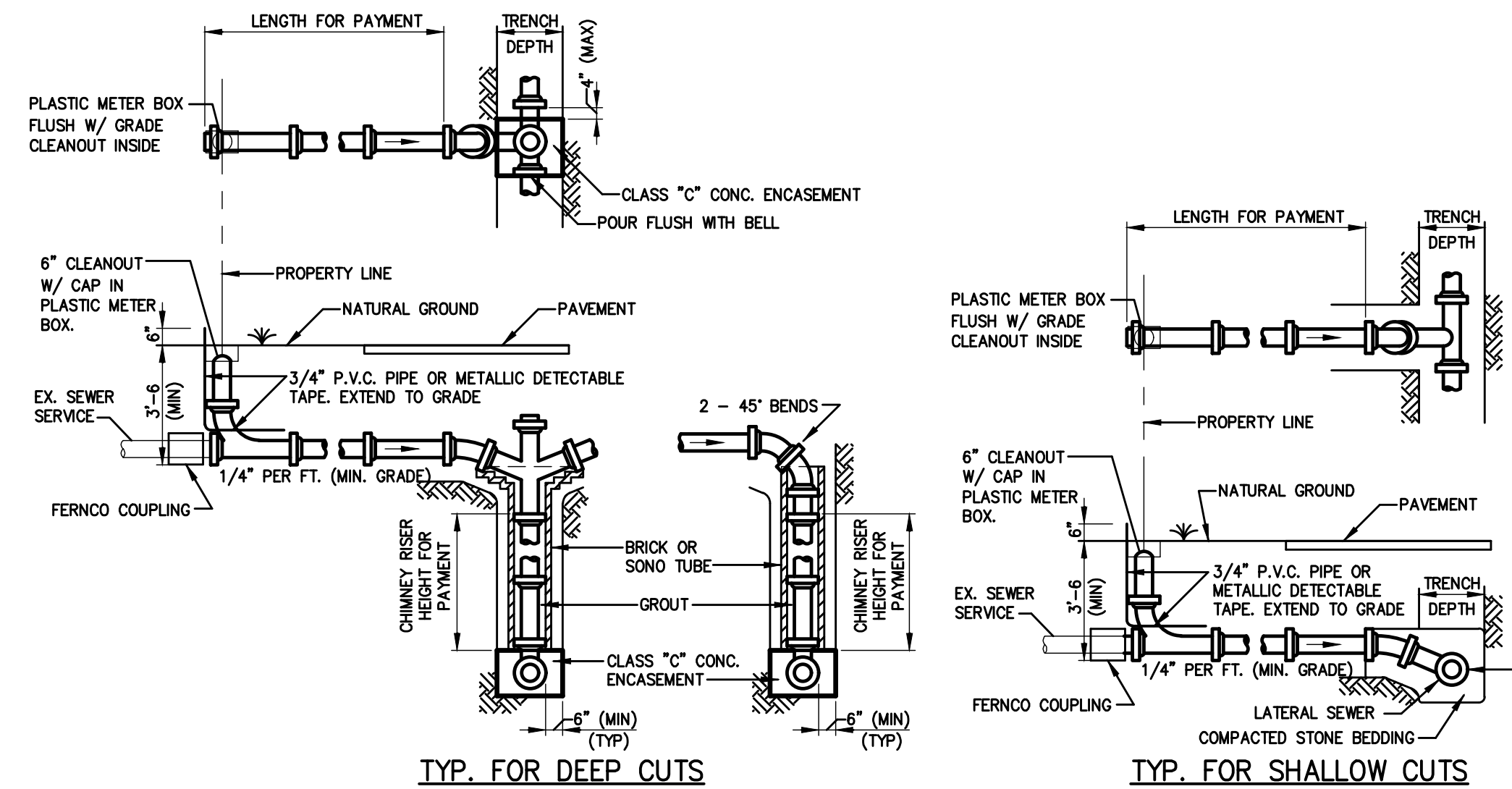
NOTE: APPLICABLE TO BOTH EARTH & ROCK TRENCHES.
MAX. DEPTH OF COVER FOR DUCTILE IRON PIPE OF THE VARIOUS CLASSES & SIZES TO BE INSTALLED ARE AS FOLLOWS:

PIPE SIZE IN	THICK CLASS	NOMINAL THICK IN	MAX. DEPTH OF COVER (ft.)	
			(1) FLAT BOT. TRENCH	(2) SELECTED MATERIAL
			8	50
	51	0.30	61	81
	52	0.33	77	99

NOTE: COST OF CONCRETE BLOCKING TO BE INCLUDED IN COST OF FITTINGS, VALVES, AND FIRE HYDRANTS AS REQUIRED. NO SEPARATE PAYMENT WILL BE MADE FOR CONCRETE BLOCKING.



PIPE SIZE	TEES & PLUGS		BENDS					
	W	L	0=22-1/2°		0=45°		0=90°	
4"	1'-0"	1'-3"	8"	9"	10"	1'-2"	1'-2"	1'-7"
6"	1'-6"	1'-11"	1'-0"	1'-2"	1'-2"	1'-11"	1'-8"	2'-5"
8"	2'-0"	2'-7"	1'-2"	1'-9"	1'-6"	2'-7"	2'-2"	3'-4"
10"	2'-6"	3'-2"	1'-4"	2'-4"	1'-10"	3'-4"	2'-8"	4'-2"
12"	3'-0"	3'-10"	1'-8"	2'-8"	2'-2"	4'-0"	3'-2"	5'-1"
14"	3'-6"	4'-8"	2'-0"	3'-1"	2'-8"	4'-8"	3'-8"	6'-2"
16"	4'-0"	5'-1"	2'-3"	3'-5"	2'-11"	5'-4"	4'-2"	6'-10"
24"	5'-11"	7'-8"	3'-5"	5'-2"	4'-4"	8'-0"	5'-0"	12'-9"

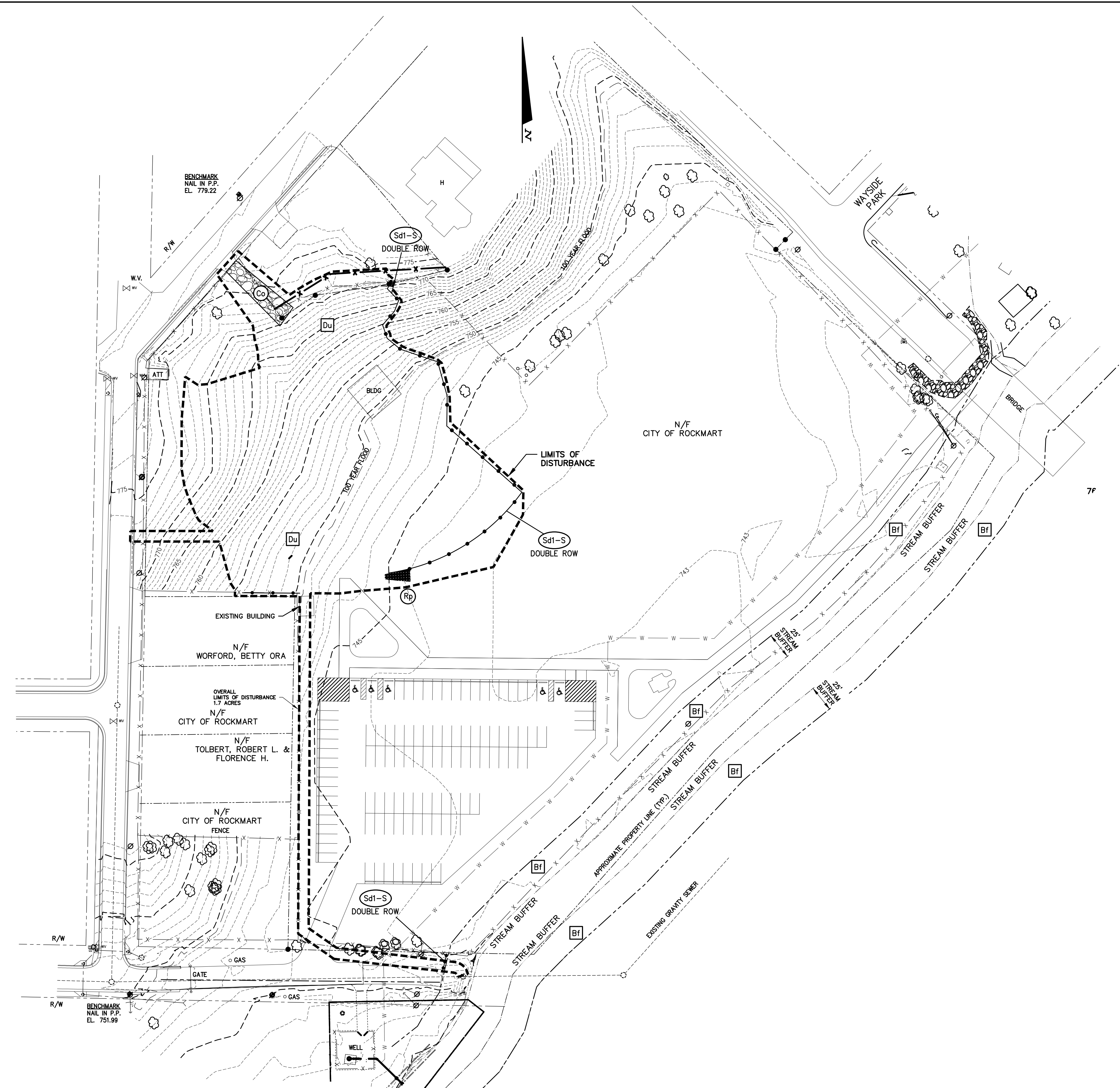


REVISIONS	CITY OF ROCKMART, GEORGIA HISTORIC ROCKMART EVENT CENTER		
	STANDARD WATER AND SEWER DETAILS		
DRAWN	CHECKED	SCALE: AS SHOWN	DATE: SEPTEMBER 2024
SPS	JLR		
TURNIPSEED ENGINEERS		ATLANTA AUGUSTA ST. SIMONS ISLAND	SHEET C605

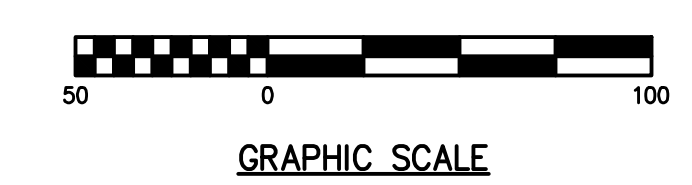


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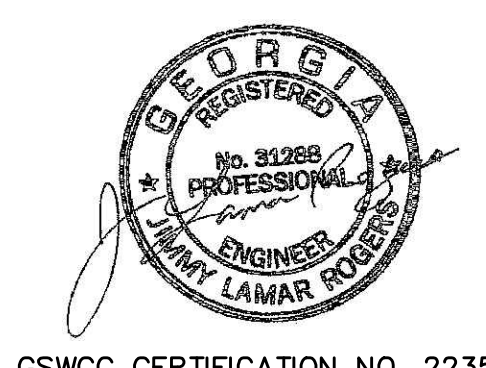


LEGEND				
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Co	CONSTRUCTION EXIT			A CRUSHED STONE PAD LOCATED AT THE CONSTRUCTION EXIT TO PROVIDE A PLACE FOR REMOVING MUD FROM TIRES THEREBY PROTECTING PUBLIC STREETS
Sd1	SEDIMENT BARRIER			A BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT MAY BE SANDBAGS, BALES OF STRAW OR HAY, BRUSH, LOGS, AND POLES, GRAVEL, OR A SEDIMENT FENCE. THE BARRIERS ARE USUALLY TEMPORARY AND INEXPENSIVE.
Sd2	SEDIMENT BARRIER			A BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT MAY BE SANDBAGS, BALES OF STRAW OR HAY, BRUSH, LOGS, AND POLES, GRAVEL, OR A SEDIMENT FENCE. THE BARRIERS ARE USUALLY TEMPORARY AND INEXPENSIVE.
Sd3	TEMPORARY SEDIMENT BASIN			A BASIN CREATED BY EXCAVATION OR THE CONSTRUCTION OF A DAM FOR SEDIMENT COLLECTION.
Cd	CHECKDAM			A SMALL TEMPORARY BARRIER OR DAM CONSTRUCTED ACROSS A SWALE, DRAINAGE DITCH OR AREA OF CONCENTRATED FLOW.
St	STORM DRAIN OUTLET PROTECTION			A PAVED OR SHORT SECTION OF RIP RAP CHANNEL AT THE OUTLET OF A STORM DRAIN SYSTEM PREVENTING EROSION FROM THE CONCENTRATED RUN-OFF.
Tp	TOPSOILING			THE PRACTICE OF STRIPPING OFF THE MORE FERTILE TOP SOIL, STORING IT, THEN SPREADING IT OVER THE DISTURBED AREA AFTER THE COMPLETION OF CONSTRUCTION ACTIVITIES.
Rp	RIP-RAP			LOOSE ROCK SIMILAR DURABLE MATERIAL INSTALLED ON SLOPES FOR PROTECTION FROM EROSION CAUSED BY WATER TURBULENCE OR HIGH VELOCITIES.
Rd	ROCK FILTER DAM			ESTABLISHING A TEMPORARY STONE FILTER DAM INSTALLED ACROSS SMALL STREAMS OR DRAINAGEWAYS.
Ch	CHANNEL STABILIZATION			IMPROVING, CONSTRUCTING OR STABILIZING AN OPEN CHANNEL, EXISTING STREAM, OR DITCH.
Du	DUST CONTROL ON DISTURBED AREAS			CONTROLLING SURFACE AND AIR MOVEMENT DUST ON CONSTRUCTION SITES, ROADWAYS AND SIMILAR SITES.
Mb	EROSION CONTROL MATTING & BLANKETS			THE INSTALLATION OF A PROTECTIVE (BLANKET) OR SOIL STABILIZATION MAT ON A PREPARED PLANTING AREA OF A STEEP SLOPE, CHANNEL, OR SHORELINE.
Ds1	DISTURBED AREA STABILIZATION MULCHING			ESTABLISHING A TEMPORARY VEGETATIVE COVER WITH PLANT RESIDUES ON DISTURBED AREAS.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP. VEGETATION)			ESTABLISHING TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS ON DISTURBED AREAS.
Ds3	DISTURBED AREA STABILIZATION PERMANENT			ESTABLISHING PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, WINES, GRASSES, SOY, OR LEGUMES ON DISTURBED AREAS.
Ds4	DISTURBED AREA STABILIZATION (WITH SODDING)			A PERMANENT VEGETATIVE COVER USING SOD ON HIGHLY ERODIBLE OR CRITICALLY ERODED LANDS.
Bf	BUFFER ZONE			AN UNDISTURBED OR PLANTED VEGETATIVE STRIP AROUND A SITE OR BORDERING STREAM.



NOTES:

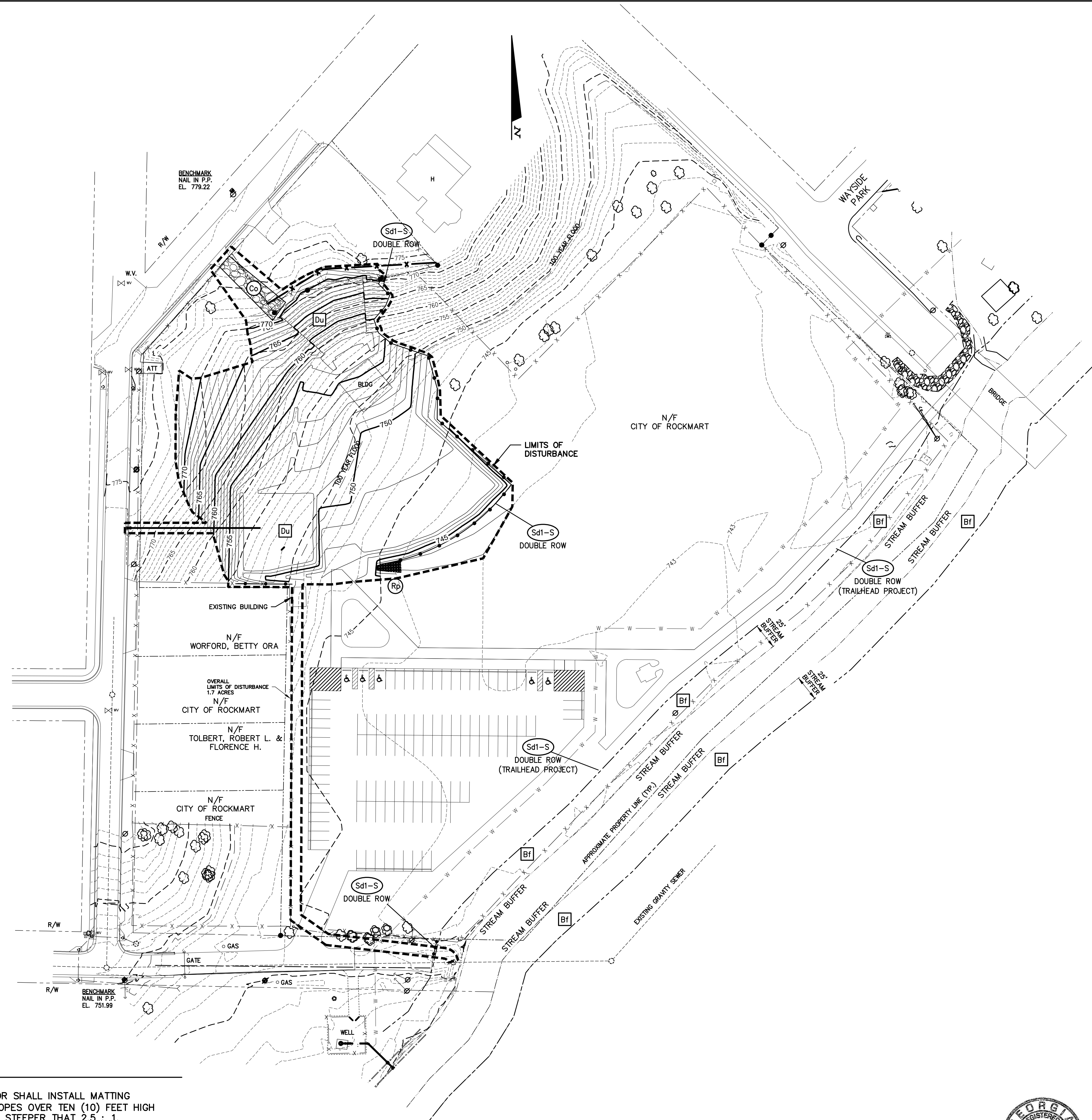
- Mb CONTRACTOR SHALL INSTALL MATTING ON ALL SLOPES OVER TEN (10) FEET HIGH OR SLOPES STEEPER THAT 2.5 : 1.
- Ds1 Ds2 SHALL BE PLACED ON ALL DISTURBED GROUND WITHIN FOURTEEN (14) DAYS OF INITIAL DISTURBANCE.



GSWCC CERTIFICATION NO. 22351

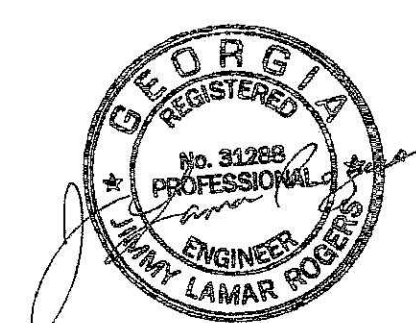
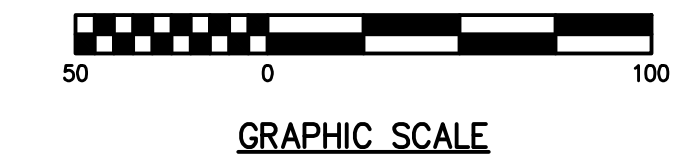
REVISIONS		CITY OF ROCKMART, GEORGIA HISTORIC ROCKMART EVENT CENTER	
		INITIAL EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN	
DRAWN	CHECKED		
SPS	JLR	SCALE: AS SHOWN	DATE: SEPTEMBER 2024
TURNIPSEED ENGINEERS		ATLANTA AUGUSTA ST. SIMONS ISLAND	SHEET C701

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NOTES:

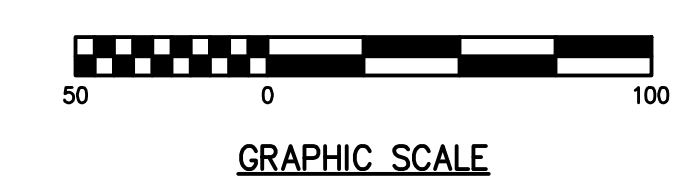
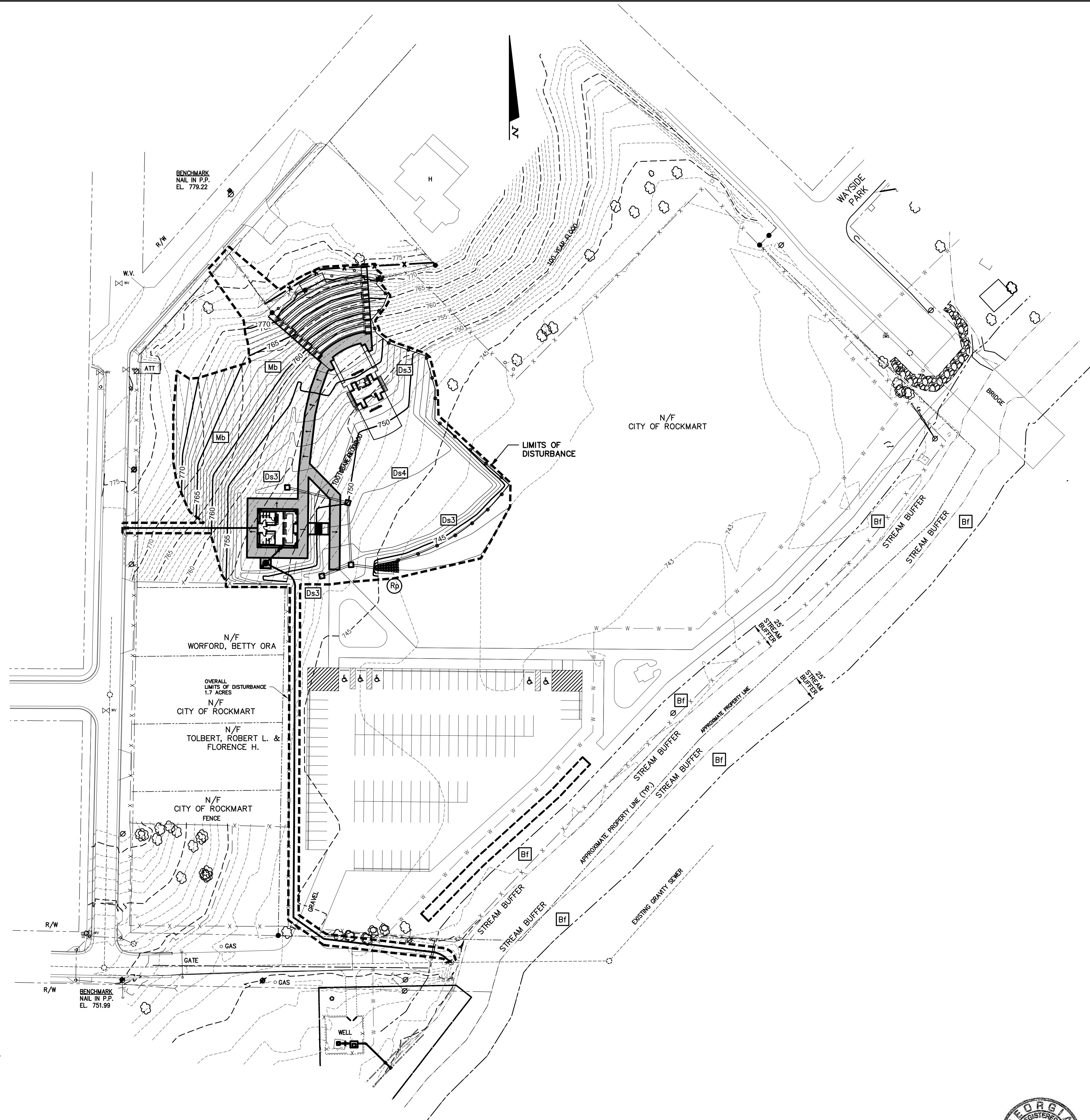
- Mb** CONTRACTOR SHALL INSTALL MATTING ON ALL SLOPES OVER TEN (10) FEET HIGH OR SLOPES STEEPER THAT 2.5 : 1.
- Ds1** **Ds2** SHALL BE PLACED ON ALL DISTURBED GROUND WITHIN FOURTEEN (14) DAYS OF INITIAL DISTURBANCE.



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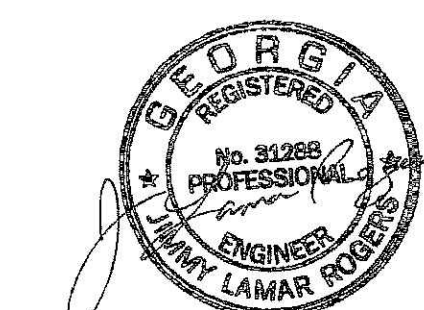
REVISIONS		CITY OF ROCKMART, GEORGIA HISTORIC ROCKMART EVENT CENTER	
		INTERMEDIATE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN	
DRAWN	CHECKED		
SPS	JLR	SCALE: AS SHOWN	DATE: SEPTEMBER 2024
		ATLANTA AUGUSTA ST. SIMONS ISLAND	SHEET C702

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NOTES:

- Mb** CONTRACTOR SHALL INSTALL MATTING ON ALL SLOPES OVER TEN (10) FEET HIGH OR SLOPES STEEPER THAT 2.5 : 1.
- Ds3** SHALL BE PLACED ON ALL DISTURBED GROUND WHERE MATTING **Mb** OR SOD **Ds4** IS NOT REQUIRED.
- Ds4** SHALL BE PLACED ON ALL DISTURBED GROUND WHERE SODDING IS REQUIRED.



GSWCC CERTIFICATION NO. 22351

REVISIONS		CITY OF ROCKMART, GEORGIA HISTORIC ROCKMART EVENT CENTER	
		FINAL EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN	
DRAWN CHECKED			
SPS	JLR	SCALE: AS SHOWN	DATE: SEPTEMBER 2024
TURNIPSEED ENGINEERS		ATLANTA AUGUSTA ST. SIMONS ISLAND	
		SHEET C703	

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST (CONTINUED)

STAND ALONE CONSTRUCTION PROJECTS

33. DESCRIPTION OF ANALYTICAL METHODS TO BE USED TO COLLECT AND ANALYZE THE SAMPLES FROM EACH LOCATION.*

STORMWATER SAMPLING ANALYSIS: THIS PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBIDITY IN RECEIVING WATER(S) OR OUTFALLS IN ACCORDANCE WITH THIS PERMIT. THIS PARAGRAPH SHALL NOT APPLY TO ANY LAND DISTURBANCE ASSOCIATED WITH THE CONSTRUCTION OF SINGLE-FAMILY HOMES WHICH ARE NOT PART OF A SUBDIVISION OR PLANNED COMMON DEVELOPMENT UNLESS FIVE (5) ACRES OR MORE WILL BE DISTURBED. THE FOLLOWING PROCEDURES CONSTITUTE EPD'S GUIDELINES FOR SAMPLING TURBIDITY.

SAMPLE REQUIREMENTS--

- (1) A USGS TOPOGRAPHIC MAP, A TOPOGRAPHIC MAP OR DRAWING (REFERRED TO AS A TOPOGRAPHIC MAP) THAT IS SCALE EQUAL TO OR MORE DETAILED THAN A 1:24,000 MAP SHOWING THE LOCATION OF THE SITE OR THE STAND ALONE CONSTRUCTION; (A) THE LOCATION OF ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES AS SHOWN ON A USGS TOPOGRAPHIC MAP, AND ALL OTHER PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES LOCATED DURING MANDATORY FIELD VERIFICATION, INTO WHICH THE TORM WATER IS DISCHARGED AND (B) THE RECEIVING WATER AND/OR OUTFALL SAMPLING LOCATIONS. WHEN THE PERMITTEE HAS CHOSEN TO USE A USGS TOPOGRAPHIC MAP AND THE RECEIVING WATER(S) IS NOT SHOWN ON THE USGS TOPOGRAPHIC MAP, THE LOCATION OF THE RECEIVING WATER(S) MUST BE HANDWRITTEN ON THE USGS TOPOGRAPHIC MAP FROM WHERE THE STORM WATER(S) ENTERS THE RECEIVING WATER(S) TO THE POINT WHERE THE RECEIVING WATER(S) COMBINES WITH THE FIRST BLUE LINE STREAM SHOWN ON THE USGS TOPOGRAPHIC MAP;
- (2) A WRITTEN NARRATIVE OF SITE SPECIFIC ANALYTICAL METHODS USED TO COLLECT, HANDLE AND ANALYZE THE SAMPLES INCLUDING QUALITY CONTROL/QUALITY ASSURANCE PROCEDURES. THIS NARRATIVE MUST INCLUDE PRECISE SAMPLING METHODOLOGY FOR EACH SAMPLING LOCATION;
- (3) WHEN THE PERMITTEE HAS DETERMINED THAT SOME OR ALL OUTFALLS WILL BE SAMPLED, A RATIONALE MUST BE INCLUDED ON THE PLAN FOR THE NTU LIMIT(S) SELECTED FROM APPENDIX B. THIS RATIONALE MUST INCLUDE THE SIZE OF THE CONSTRUCTION SITE, THE CALCULATION OF THE SIZE OF THE SURFACE WATER DRAINAGE AREA AND THE TYPE OF RECEIVING WATER(S) (I.E., TROUT STREAM OR SUPPORTING WARM WATER FISHERIES); AND
- (4) ANY ADDITIONAL INFORMATION EPD DETERMINES NECESSARY TO BE PART OF THE PLAN. EPD WILL PROVIDE WRITTEN NOTICE TO THE PERMITTEE OF THE INFORMATION NECESSARY AND THE TIME LINE FOR SUBMITTAL.

SAMPLE TYPE--

ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER; SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.

- (1) SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTION THE SAMPLES.
- (2) SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.
- (3) LARGEMOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTION SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.
- (4) MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. IF AUTOMATIC SAMPLING IS UTILIZE MANUAL SAMPLING OR RISING STAGE SAMPLING DURING THE NEXT QUALIFYING EVENT. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PORTABLE CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.
- (5) SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E.

SAMPLE POINTS--

- (1) FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATER(S), OR ALL OUTFALL(S), OR A COMBINATION OF RECEIVING WATER(S) AND OUTFALL(S). SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORM WATER OUTFALLS USING THE FOLLOWING MINIMUM GUIDELINES:
 - (A) THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORM WATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE.
 - (B) THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.
 - (C) IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM WATER OUTFALL CHANNEL(S).
 - (D) CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER CHANNEL.
 - (E) THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.
 - (F) THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.
 - (G) PERMITTEES DO NOT HAVE TO SAMPLE SHEETFLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR LANDSCAPED ACCORDING TO THE PLAN (UNIFORMLY COVERED WITH LANDSCAPING MATERIALS IN PLANNED LANDSCAPED AREAS), OR EQUIVALENT PERMANENT STABILIZATION MEASURES AS DEFINED IN THE MANUAL (EXCLUDING A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION).
 - (H) ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING, AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORM WATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.3 OR III.D.4., WHICHEVER IS APPLICABLE.

34. **APPENDIX B RATIONALE FOR NTU VALUES AT ALL OUTFALL SAMPLING POINTS WHERE APPLICABLE.*** THE RECEIVING WATERS, EUHARLEE CREEK IS BEING SAMPLED. ACCORDING TO THE GENERAL NPDES STORMWATER PERMIT FOR CONSTRUCTION SITES, A DISCHARGE OF STORMWATER RUNOFF FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED, INSTALLED, AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH DISCHARGE RESULTS IN THE TURBIDITY OF RECEIVING WATER(S) BEING INCREASED BY MORE THAN TWENTY-FIVE (25) NEPHELOMETRIC TURBIDITY UNITS FOR WATERS SUPPORTING WARM WATER FISHERIES, REGARDLESS OF A PERMITTEE'S CERTIFICATION UNDER PART II.B.1.1.
35. **DELINEATE ALL SAMPLING LOCATIONS, PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES INTO WHICH STORM WATER IS DISCHARGED.*** SEE THE STORMWATER MONITORING PLAN, THIS SHEET.
36. **A DESCRIPTION OF APPROPRIATE CONTROLS AND MEASURES THAT WILL BE IMPLEMENTED AT THE CONSTRUCTION SITE INCLUDING: (1) INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPs, (2) INTERMEDIATE GRADING AND DRAINAGE BMPs, AND (3) FINAL BMPs.** FOR CONSTRUCTION SITES WHERE THERE WILL BE NO MASS GRADING AND THE INITIAL PERIMETER CONTROL BMPs, INTERMEDIATE GRADING AND DRAINAGE BMPs, AND FINAL BMPs ARE THE SAME, THE PLAN MAY COMBINE ALL OF THE BMPs INTO A SINGLE PHASE.* INITIAL, INTERMEDIATE AND FINAL EROSION CONTROL PLANS ARE SHOWN ON SHEETS C701 THROUGH C703.
37. **GRAPHIC SCALE AND NORTH ARROW.** SHOWN ON ALL SHEETS WHERE APPLICABLE.
38. **EXISTING AND PROPOSED CONTOUR LINES WITH CONTOUR LINES DRAWN AT AN INTERVAL IN ACCORDANCE WITH THE CHECKLIST.** EXISTING CONTOURS AND PROPOSED CONTOURS ARE SHOWN ON SHEETS C301 THROUGH C502 AND SHEETS C701 THROUGH C703.
39. **USE OF ALTERNATIVE BMPs WHOSE PERFORMANCE HAS BEEN DOCUMENTED TO BE EQUIVALENT TO OR SUPERIOR TO CONVENTIONAL BMPs AS CERTIFIED BY A DESIGN PROFESSIONAL (UNLESS DISAPPROVED BY EPD OR THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION).** PLEASE REFER TO THE ALTERNATIVE BMP GUIDANCE DOCUMENT FOUND AT WWW.GASWCC.GEORGIA.GOV. NO ALTERNATIVE BMPs HAVE BEEN SELECTED FOR THIS PROJECT.
40. **USE OF ALTERNATIVE BMP FOR APPLICATION TO THE EQUIVALENT BMP LIST.** PLEASE REFER TO APPENDIX A-2 OF THE MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA 2016 EDITION.* NO ALTERNATIVE BMPs HAVE BEEN SELECTED FOR THIS PROJECT.
41. **DELINEATION OF THE APPLICABLE 25-FOOT OR 50-FOOT UNDISTURBED BUFFERS ADJACENT TO STATE WATERS AND ANY ADDITIONAL BUFFERS REQUIRED BY THE LOCAL ISSUING AUTHORITY.** CLEARLY NOTE AND DELINEATE ALL AREAS OF IMPACT. DELINEATION OF THE APPLICABLE 25-FOOT BUFFER IS SHOWN ON SHEETS C301 THROUGH C502 AND C701 THROUGH C703.
42. **DELINEATION OF ON-SITE WETLANDS AND ALL STATE WATERS LOCATED ON AND WITHIN 200 FEET OF THE PROJECT SITE.** STATE WATERS ARE SHOWN ON SHEETS C301 THROUGH C502 AND C701 THROUGH C703. THERE ARE NO ON-SITE WETLANDS.
43. **DELINEATION AND ACREAGE OF CONTRIBUTING DRAINAGE BASINS ON THE PROJECT SITE.** DRAINAGE BASINS ARE SHOWN ON THE STORMWATER MONITORING PLAN ON SHEET C708.
44. **PROVIDE HYDROLOGY STUDY AND MAPS OF DRAINAGE BASINS FOR BOTH THE PRE- AND POST-DEVELOPED CONDITIONS.*** HYDROLOGY STUDY HAS BEEN PROVIDED. MAPS OF BOTH THE PRE-AND POST-DEVELOPED CONDITIONS ARE IN THE HYDROLOGY STUDY.
45. **AN ESTIMATE OF THE RUNOFF COEFFICIENT OR PEAK DISCHARGE FLOW OF THE SITE PRIOR TO AND AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED.**

RUNOFF COEFFICIENT

- WEIGHTED PRE-CONSTRUCTION CN CURVE NUMBER: 53
- WEIGHTED POST-CONSTRUCTION CN CURVE NUMBER: 65

46. **STORM-DRAIN PIPE AND WEIR VELOCITIES WITH APPROPRIATE OUTLET PROTECTION TO ACCOMMODATE DISCHARGES WITHOUT EROSION. IDENTIFY/DELINEATE ALL STORM WATER DISCHARGE POINTS.** OUTLET PROTECTION IS SHOWN ON SHEET C501.
47. **SOIL SERIES FOR THE PROJECT SITE AND THEIR DELINEATION.** SEE SHEET C707.
48. **THE LIMITS OF DISTURBANCE FOR EACH PHASE OF CONSTRUCTION.** LIMITS OF DISTURBANCE ARE SHOWN ON SHEETS C301 THROUGH C502.
49. **PROVIDE A MINIMUM OF 67 CUBIC YARDS OF SEDIMENT STORAGE PER ACRE DRAINED USING A TEMPORARY SEDIMENT BASIN, RETROFITTED DETENTION POND, AND/OR EXCAVATED INLET SEDIMENT TRAPS FOR EACH COMMON DRAINAGE LOCATION. SEDIMENT STORAGE VOLUME MUST BE IN PLACE PRIOR TO ALL LAND DISTURBANCE ACTIVITIES UNTIL FINAL STABILIZATION OF THE SITE HAS BEEN ACHIEVED. A WRITTEN JUSTIFICATION EXPLAINING THE DECISION TO USE EQUIVALENT CONTROLS WHEN A SEDIMENT BASIN IS NOT ATTAINABLE MUST BE INCLUDED IN THE PLAN FOR EACH COMMON DRAINAGE LOCATION IN WHICH A SEDIMENT BASIN IS NOT PROVIDED. A WRITTEN JUSTIFICATION AS TO WHY 67 CUBIC YARDS OF STORAGE IS NOT ATTAINABLE MUST ALSO BE GIVEN. WORKSHEETS FROM THE MANUAL MUST BE INCLUDED FOR STRUCTURAL BMPs AND ALL CALCULATIONS USED BY THE DESIGN PROFESSIONAL TO OBTAIN THE REQUIRED SEDIMENT STORAGE WHEN USING EQUIVALENT CONTROLS. WHEN DISCHARGING FROM SEDIMENT BASINS AND IMPOUNDMENTS, PERMITTEES ARE REQUIRED TO UTILIZE OUTLET STRUCTURES THAT WITHDRAW WATER FROM THE SURFACE. UNLESS INFEASIBLE, IF OUTLET STRUCTURES THAT WITHDRAW WATER FROM THE SURFACE ARE NOT FEASIBLE, A WRITTEN JUSTIFICATION EXPLAINING THIS DECISION MUST BE INCLUDED IN THE PLAN.**

TOTAL SEDIMENTATION STORAGE CALCULATIONS

SEDIMENTATION STORAGE REQUIRED

TOTAL DISTURBED ACRES = 1.7 AC * 67 = 114 CY

SEDIMENTATION STORAGE PROVIDED

Sd1-S STORAGE = 630 LF * 0.1675 CY/LF = 105 CY

50. **LOCATION OF BEST MANAGEMENT PRACTICES THAT ARE CONSISTENT WITH AND NO LESS STRINGENT THAN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. USE UNIFORM CODING SYMBOLS FROM THE MANUAL, CHAPTER 6, WITH LEGEND. LOCATION OF BMPs ARE SHOWN ON SHEETS C701 AND C703. A LEGEND OF THE CODING SYMBOLS FROM THE MANUAL ARE SHOWN ON SHEETS C701 THROUGH C703.**
51. **PROVIDE DETAILED DRAWINGS FOR ALL STRUCTURAL PRACTICES. SPECIFICATIONS MUST, AT A MINIMUM, MEET THE GUIDELINES SET FORTH IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. SEE DETAILS ON SHEET C706.**
52. **PROVIDE VEGETATIVE PLAN, NOTING ALL TEMPORARY AND PERMANENT VEGETATIVE PRACTICES. INCLUDE SPECIES, PLANTING DATES AND SEEDING, FERTILIZER, LIME AND MULCHING RATES. VEGETATIVE PLAN SHALL BE SITE SPECIFIC FOR APPROPRIATE TIME OF YEAR THAT SEEDING WILL TAKE PLACE AND FOR THE APPROPRIATE GEOGRAPHIC REGION OF GEORGIA. SEE THIS SHEET.**

VEGETATIVE COVER

ALL BARE AREAS RESULTING FROM CONSTRUCTION OPERATIONS WILL BE ESTABLISHED TO VEGETATION AS SOON AS POSSIBLE AFTER FINAL GRADING IS COMPLETE AS FOLLOWS:

- A. **TEMPORARY/ INTERMEDIATE GRASSING - (Ds2, REQUIRED ON AREAS TO BE EXPOSED)**

SEEDBED PREPARATION - FINISH GRADE ACCORDING TO PLANS. REMOVE LARGE ROCKS OR OTHER OBJECTS THAT WILL INTERFERE WITH VEGETATION ESTABLISHMENT.

FERTILIZER - APPLY AGRICULTURAL LIME AT THE RATE OF 1 TO 2 TONS PER ACRE. SPREAD LIME AND FERTILIZER UNIFORMLY OVER SURFACE.

SEEDING - SEE CHART

- B. **PERMANENTLY EXPOSED AREAS - (Ds3, FINISH GRADES)**

INITIAL TREATMENT:

SEEDING PREPARATION - PREPARE SEEDBED TO DEPTH OF AT LEAST 4-INCHES ON ALL AREAS WHERE A GOOD SEEDBED IS NOT PRESENT. REMOVE ROCKS, ROOTS AND OTHER OBJECTS THAT WILL INTERFERE WITH VEGETATION ESTABLISHMENT OR MAINTENANCE OPERATIONS.

FERTILIZER - APPLY AGRICULTURE LIME AT MINIMUM RATE OF 1 TO 2 TONS PER ACRE. APPLY 1500 POUNDS 6-12-12 ANALYSIS FERTILIZER (OR EQUIVALENT) PER ACRE. SPREAD LIME AND FERTILIZER UNIFORMLY OVER ALL AREAS IMMEDIATELY BEFORE FINAL LAND PREPARATION AND MIX WITH THE SOIL. APPLY TOP DRESSING OF 50-100 POUNDS PER ACRE OF AMMONIUM NITRATE (OR EQUIVALENT) WHEN PLANTS ARE 2 TO 4-INCHES TALL.

SEEDING - SEE CHART

SEED WILL BE DISTRIBUTED UNIFORMLY OVER THE AREA AND COVERED TO A DEPTH OF ABOUT ¼ INCH. IF AREA IS TO BE SPRIGGED, PLANT ONLY FRESHLY DUG SPRIGS AND KEEP THEM COOL AND MOIST UNTIL PLANTED. FIRM SEEDS OR SODDED AREAS WITH CULTPACKER OR ROLLER IMMEDIATELY FOLLOWING PLANTING.

MULCHING - ALL UNSEEDS SLOPES STEEPER THAN 3 PERCENT AND ALL SEEDS AREAS WILL BE MULCHED IMMEDIATELY AFTER SPREADING UNIFORMLY DRY STRAW OR HAY, FREE OF COMPETING WEEDS, AT THE RATE OF ABOUT 2.5 TONS PER ACRE OR TO COVER APPROXIMATELY 75 PERCENT OF THE GROUND SURFACE. WHEN FEASIBLE, ANCHOR MULCH WITH A PACKED OR DISK HARROW WITH BLADES SET STRAIGHT OR WITH EMULSIFIED ASPHALT (GRADE AES OR SSI) AT RATE OF 100 GALLONS EMULSION MIXED WITH 100 GALLONS WATER FOR EACH TON OF MULCH.

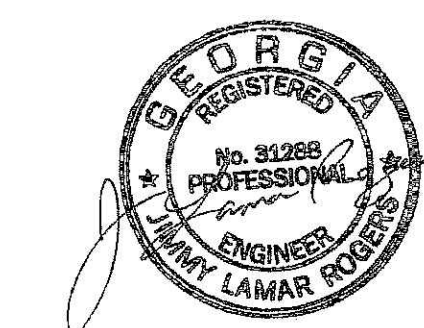
MOUNTAIN VEGETATIVE COVERS

	MONTH	TEMPORARY SEED	RATE/ ACRE	PERMANENT SEED	RATE/ ACRE
1.	January	Ryegrass	40-50 lbs.	Unhulled Bermuda Sericeo Lespedeza	8-10 lbs. 30-40 lbs.
2.	February	Ryegrass	40-50 lbs.	Unhulled Bermuda Sericeo Lespedeza	8-10 lbs. 30-40 lbs.
3.	March	Rye Annual Lespedeza Weeping Lovegrass	2-3 bu. 20-25 lbs. 4-6 lbs.	Unhulled Bermuda Sericeo Lespedeza Fescue	8-10 lbs. 30-40 lbs. 30-50 lbs.
4.	April	Rye Brown Top Millet Annual Lespedeza Weeping Lovegrass	2-3 bu. 30-40 lbs. 20-25 lbs. 4-6 lbs.	Bermuda (hulled) Weeping Lovegrass Bahia Sericeo Lespedeza	10 lbs. 4-6 lbs. 40-60 lbs. 30-40 lbs.
5.	May	Weeping Lovegrass Sudan Grass Brown Millet	4-6 lbs. 35 lbs. 30-40 lbs.	Weeping Love Grass Sericeo Lespedeza Bahia	4-6 lbs. 30-40 lbs. 40-60 lbs.
6.	June	Sudan Grass Brown Top Millet	35 lbs. 30-40 lbs.	Weeping Love Grass Sericeo Lespedeza Bahia	4-6 lbs. 30-40 lbs. 40-60 lbs.
7.	July	Sudan Grass Brown Top Millet	35 lbs. 30-40 lbs.	Bahia	40-60 lbs.
8.	August	Ryegrass	40-50 lbs.	Fescue	50 lbs.
9.	September	Ryegrass	40-50 lbs.	Fescue	50 lbs.
10.	October	Wheat Barley Ryegrass	2-3 bu. 3 bu. 40-50 lbs.	Sericeo Lespedeza Fescue	30-40 lbs. 30-50 lbs.
11.	November	Wheat Ryegrass	2-3 bu. 40-50 lbs.	Fescue Sericeo Lespedeza	30-50 lbs. 30-40 lbs.
12.	December	Rye Ryegrass Wheat	2-3 bu. 40-50 lbs. 2-3 bu.	Unhulled Bermuda Sericeo Lespedeza Fescue	10 lbs. 30-40 lbs. 30-50 lbs.

NOTE: TYPE OF GRASS APPLIED SHALL BE DETERMINED BY SITE COMPATIBLE CONDITIONS AND OWNER DISCRETION. SHOULD CONSTRUCTION EXTEND BEYOND THE ALLOTTED TIME, THE CONTRACTOR SHALL REFER TO THE ENGINEER AND THE GEORGIA MANUAL FOR EROSION AND SEDIMENT CONTROL FOR SEED SPECIFICATIONS.

MULCHING REQUIREMENTS, [Ds1]

MATERIAL	RATE	DEPTH
STRAW OR HAY	2 1/2 TON/ACRE	6" to 10"
WOOD WASTE CHIPS, SAWDUST, BARK	6 TO 9 TON/ACRE	2" to 3"
POLYETHYLENE FILM	SECURE WITH SOIL, ANCHORS, WEIGHTS	---
CUTBACK ASPHALT	SEE MANUFACTURER'S RECOMMENDATIONS	---
GEOTEXTILES, JUTE MATTING, NETTING, ETC.	SEE MANUFACTURER'S RECOMMENDATIONS	---



GSWCC CERTIFICATION NO. 22351

REVISIONS	CITY OF ROCKMART, GEORGIA	
SEPT. 2024	HISTORIC ROCKMART EVENT CENTER	
EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN CHECKLIST, CONT.		
DRAWN	CHECKED	
SPS	JLR	SCALE: AS SHOWN DATE: SEPTEMBER 2024
		SHEET C705
ATLANTA AUGUSTA ST. SIMONS ISLAND		

GEORGIA
UNIFORM CODING SYSTEM
FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES

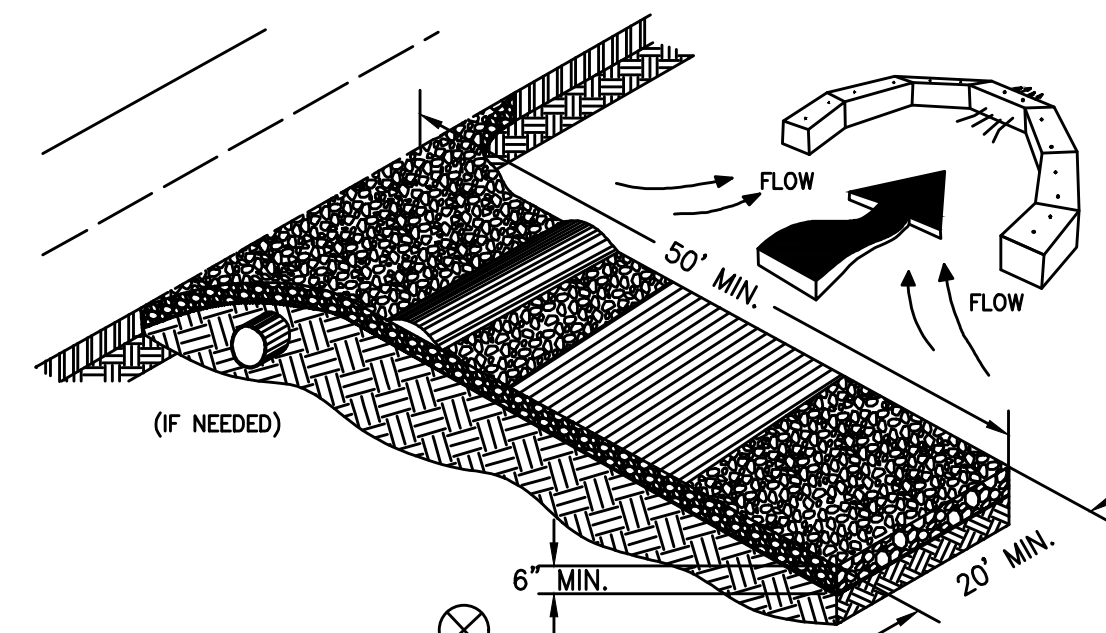
STATE SOIL AND WATER CONSERVATION COMMISSION OF GEORGIA

STRUCTURAL DETAILS

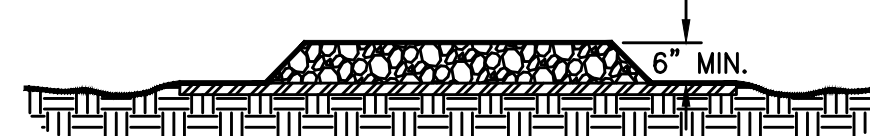
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
(Cd)	CHECKDAM			A SMALL TEMPORARY BARRIER OR DAM CONSTRUCTED ACROSS A SWALE, DRAINAGE DITCH OR AREA OF CONCENTRATED FLOW. CONSISTS OF 20# TO 50# STONE 24" DEEP (MAX.) 3:1 SLOPES ON UPSTREAM & DOWNSTREAM FACES.
(Co)	CONSTRUCTION EXIT			A CRUSHED STONE PAD LOCATED AT THE CONSTRUCTION EXIT TO PROVIDE A PLACE FOR REMOVING MUD FROM TIRES THEREBY PROTECTING PUBLIC STREETS
(Rp)	RIP-RAP			LOOSE ROCK OR SIMILAR DURABLE MATERIAL INSTALLED ON SLOPES FOR PROTECTION FROM EROSION CAUSED BY WATER TURBULENCE OR HIGH VELOCITIES
(Sd1)	SEDIMENT BARRIER			A BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT MAY BE SANDBAGS, BALES OF STRAW OR HAY, BRUSH, LOGS, AND POLES, GRAVEL, OR A SEDIMENT FENCE. THE BARRIERS ARE USUALLY TEMPORARY AND INEXPENSIVE.
(Sd2)	INLET SEDIMENT TRAP			AN IMPOUNDING AREA CREATED BY EXCAVATING AROUND A STORM DRAIN DROP INLET. THE EXCAVATED AREA WILL BE FILLED AND STABILIZED ON COMPLETION OF CONSTRUCTION ACTIVITIES.
(St)	STORM DRAIN OUTLET PROTECTION			A PAVED OR SHORT SECTION OF RIPRAP CHANNEL AT THE OUTLET OF A STORM DRAIN SYSTEM PREVENTING EROSION FROM THE CONCENTRATED RUNOFF.

VEGETATIVE MEASURES

(Bf)	BUFFER ZONE			STRIP OF UNDISTURBED ORIGINAL VEGETATION, ENHANCED OR RESTORED EXISTING VEGETATION OR THE REESTABLISHMENT OF VEGETATION SURROUNDING AN AREA OF DISTURBANCE OR BORDERING STREAMS.
(Ds1)	DISTURBED AREA STABILIZATION MULCHING			ESTABLISHING A TEMPORARY VEGETATIVE COVER WITH PLANT RESIDUES ON DISTURBED AREAS.
(Ds2)	DISTURBED AREA STABILIZATION TEMPORARY			ESTABLISHING A TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS ON DISTURBED AREAS.
(Ds3)	DISTURBED AREA STABILIZATION PERMANENT			ESTABLISHING PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, SOD, OR LEGUMES ON DISTURBED AREAS.
(Ds4)	DISTURBED AREA STABILIZATION (WITH SODDING)			A PERMANENT VEGETATIVE COVER USING SODS ON HIGHLY ERODIBLE OR CRITICALLY ERODED LANDS.
(Du)	DUST CONTROL ON DISTURBED AREAS			CONTROLLING SURFACE AND AIR MOVEMENT OF DUST CONSTRUCTION SITES, ROADWAYS AND SIMILAR SITES.
(Sb)	STREAMBANK STABILIZATION (USING PERM VEGETATION)			THE USE OF READILY AVAILABLE NATIVE PLANT MATERIALS TO MAINTAIN AND ENHANCE STREAMBANKS, OR TO PREVENT, OR RESTORE AND REPAIR SMALL STREAMBANK EROSION PROBLEMS.
(Ss)	SLOPE STABILIZATION			A PROTECTIVE COVERING USED TO PREVENT EROSION AND ESTABLISH TEMPORARY OR PERMANENT VEGETATION ON STEEP SLOPES, SHORE LINES, OR CHANNELS.
(Tac)	TACKIFIERS AND BINDERS			SUBSTANCE USED TO ANCHOR STRAW OR HAY MULCH BY CAUSING THE ORGANIC MATERIAL TO BIND TOGETHER.



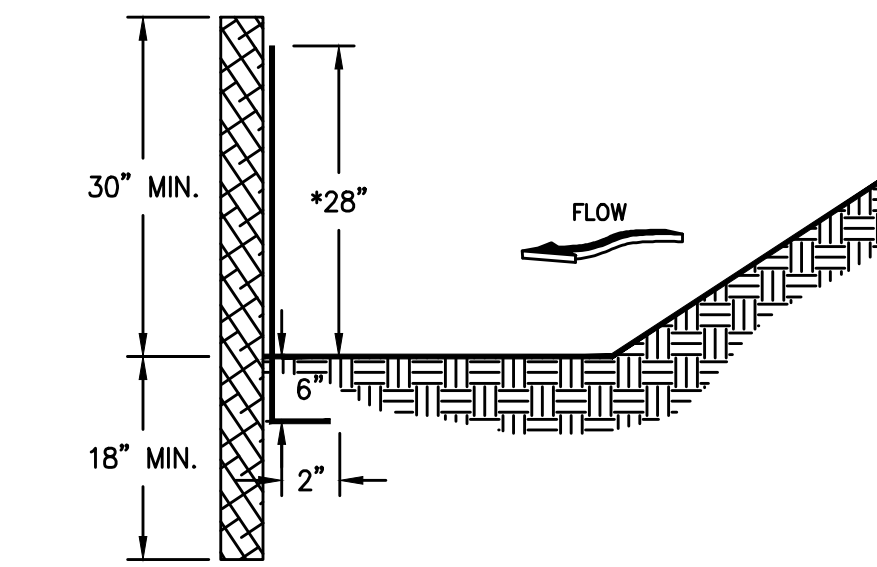
EXIT DIAGRAM



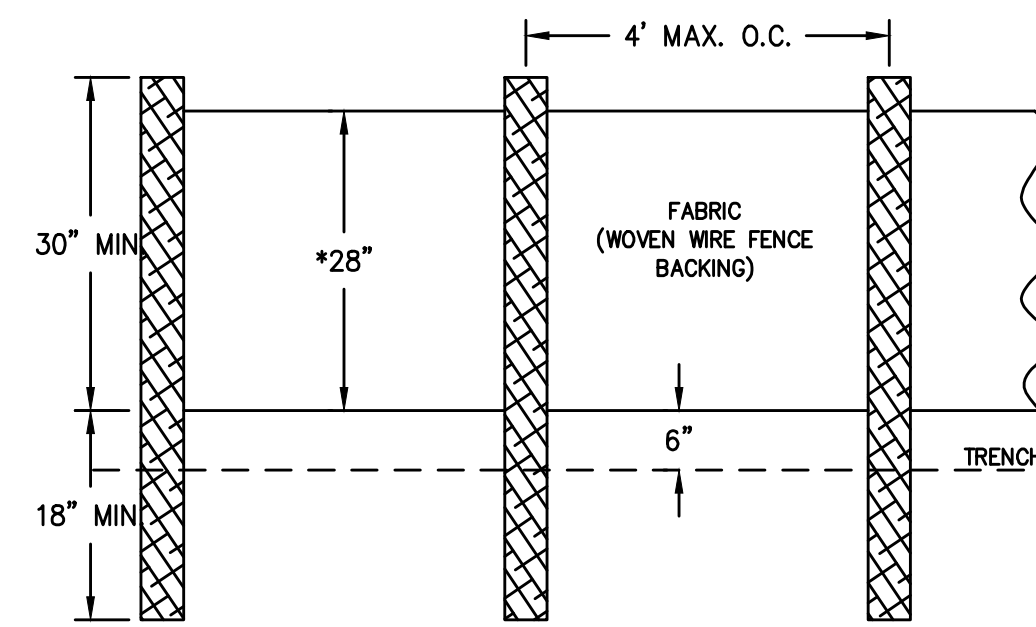
ENTRANCE ELEVATION

- NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
 2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
 3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
 4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
 5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
 6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
 7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
 8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (OVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
 9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
 10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

(Co) CONSTRUCTION EXIT
N.T.S.



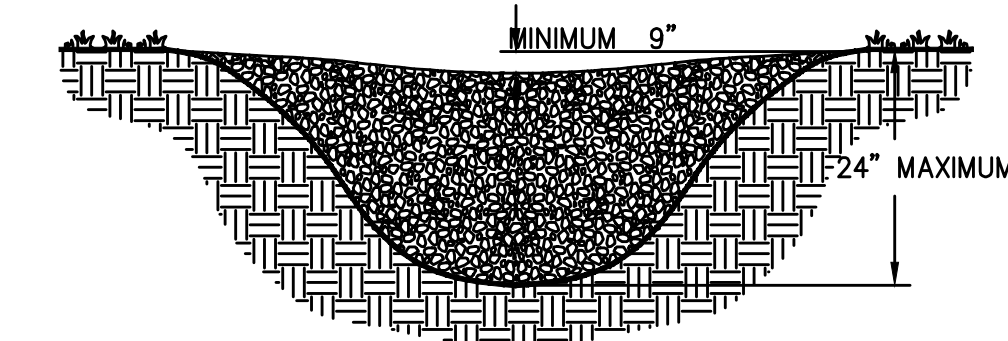
SIDE VIEW



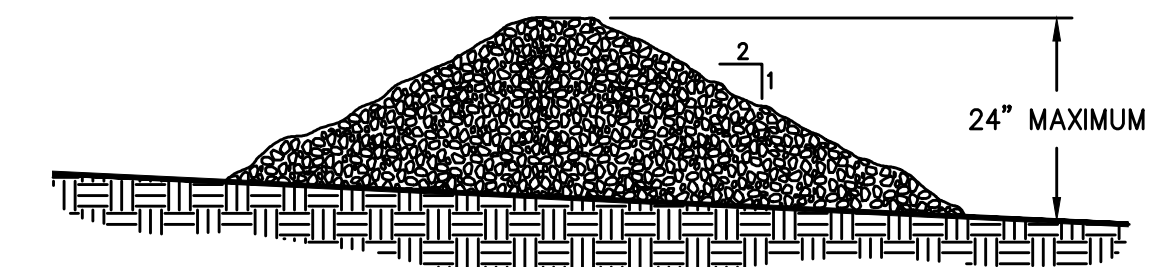
FRONT VIEW

- NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
 2. HEIGHT (H) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

(Sd1-S) SILT FENCE - TYPE SENSITIVE
N.T.S.



CROSS SECTION



PROFILE VIEW

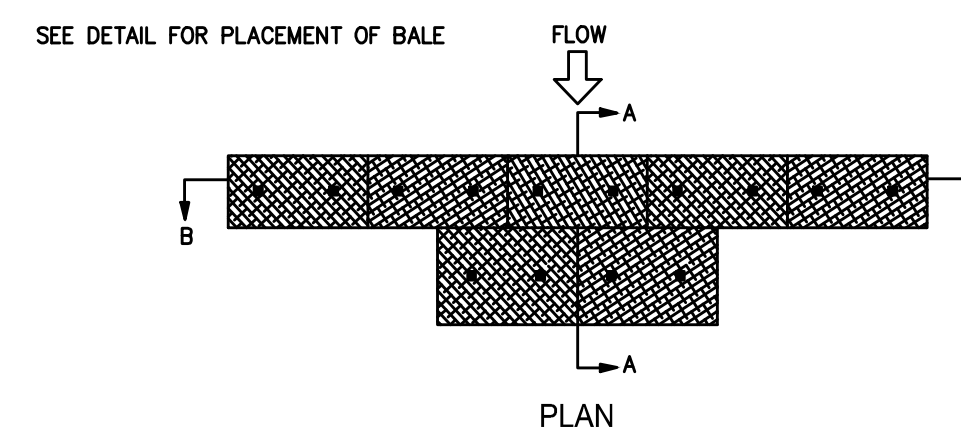
- NOTES:
1. CHECK DAMS ARE TO BE USED ONLY IN SMALL OPEN CHANNELS (THEY ARE NOT TO BE USED IN LIVE STREAMS).
 2. THE DRAINAGE AREA FOR STONE CHECK DAMS SHALL NOT EXCEED TWO ACRES.
 3. THE CENTER OF THE CHECK DAM MUST BE AT LEAST 9 INCHES LOWER THAN THE OUTER EDGES.
 4. THE DAM HEIGHT SHOULD BE A MAXIMUM OF 2 FEET FROM CENTER TO RIM EDGE.
 5. THE SIDE SLOPES OF THE CHECK DAM SHALL NOT EXCEED A 2:1 SLOPE.
 6. GEOTEXTILE SHALL BE USED TO PREVENT THE MITIGATION OF SUBGRADE SOIL PARTICLES INTO THE STONES (REFER TO AASHTO M288-96, SECTION 7.3, TABLE 3).

A = THE TOE OF THE UPSTREAM CHECK DAM.
B = TOP OF THE DOWNSTREAM CHECK DAM.
L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION.

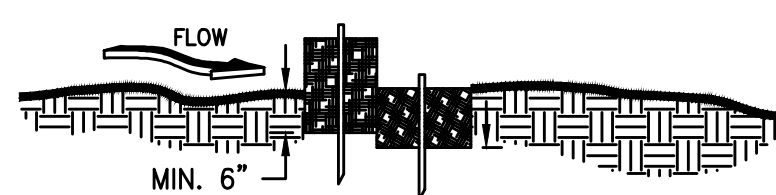


SPACING BETWEEN CHECK DAMS

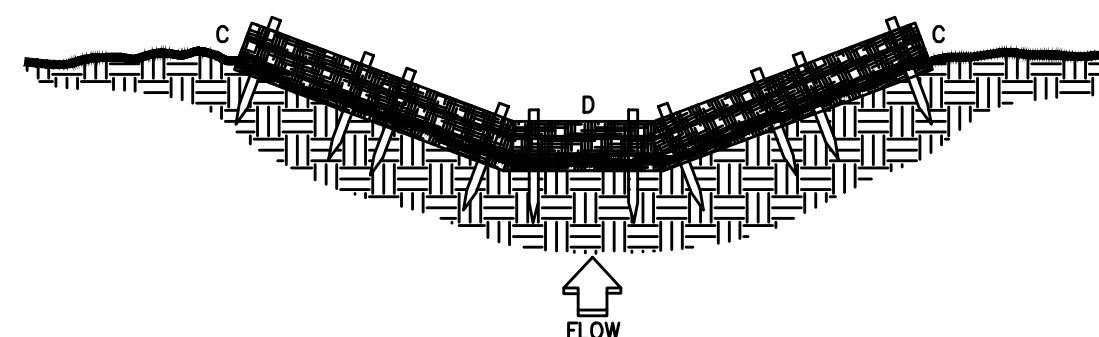
(Cd-S) CHECK DAM - STONE
N.T.S.



PLAN



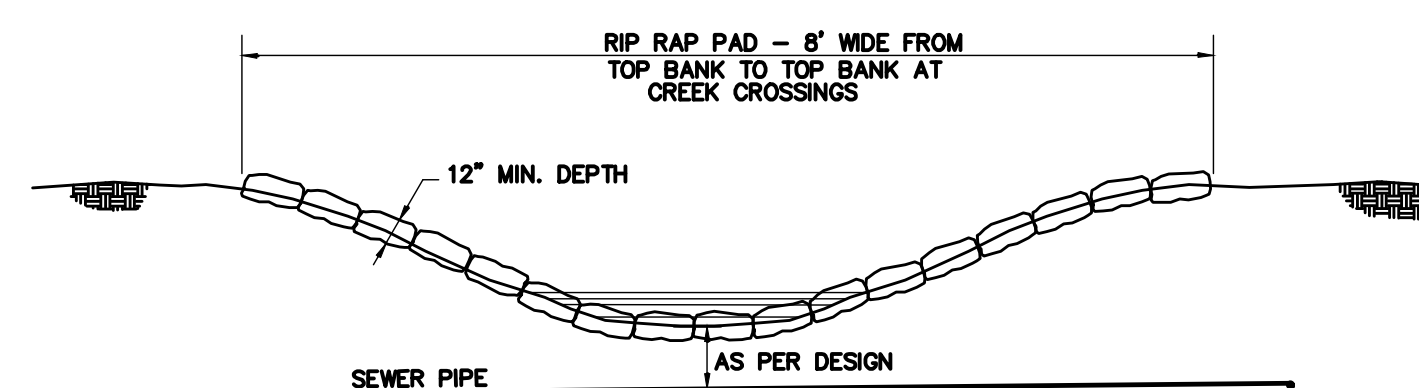
SECTION A-A



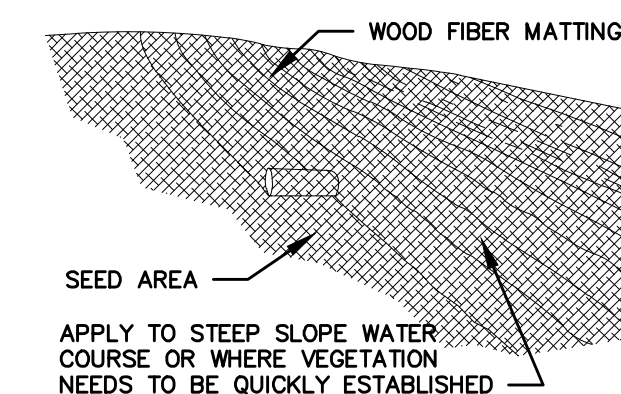
SECTION B-B

- NOTES:
1. BALES SHOULD BE BOUND WITH WIRE OR NYLON STRING AND SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
 2. REMOVE & REPAIR AFTER STRAW BALES ARE NO LONGER IN PLACE.
 3. POINT C OF SECTION B-B SHOULD ALWAYS BE HIGHER THAN POINT D.

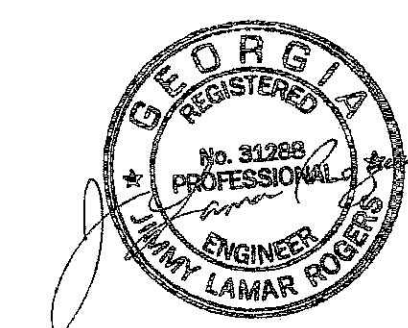
(Cd-Hb) HAYBALE CHECK DAM
N.T.S.



(Rp) RIP-RAP
N.T.S.

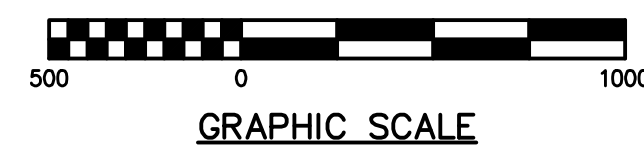
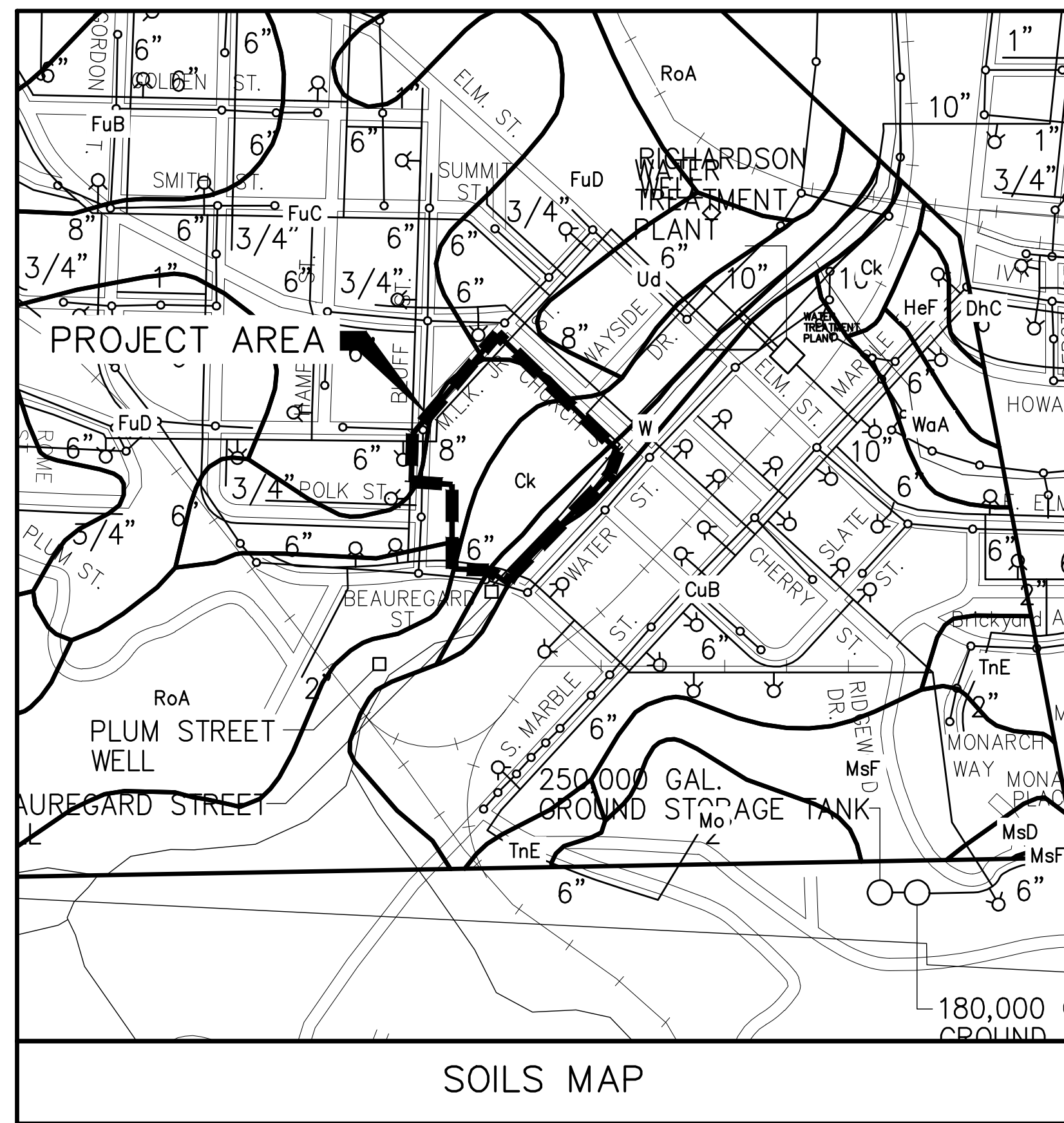


(Ss) SLOPE STABILIZATION
N.T.S.



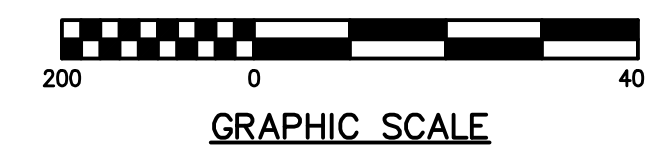
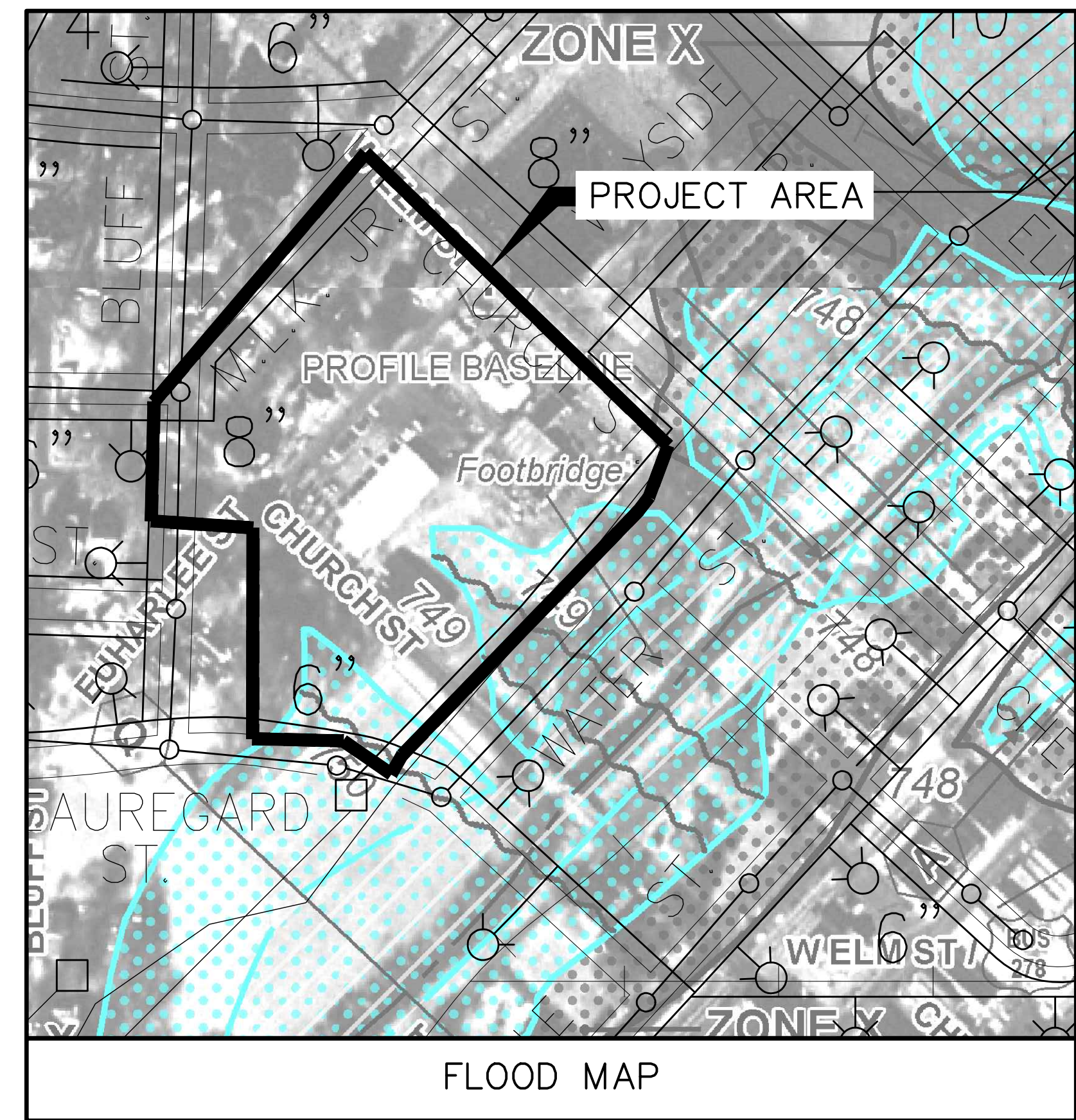
GSWCC CERTIFICATION NO. 22351

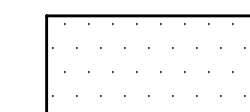
REVISIONS	CITY OF ROCKMART, GEORGIA HISTORIC ROCKMART EVENT CENTER		
SEPT. 2024			
EROSION, SEDIMENTATION AND POLLUTION CONTROL DETAILS			
DRAWN	CHECKED	SCALE: AS SHOWN	DATE: SEPTEMBER 2024
SPS	JLR		
TURNIPSEED ENGINEERS		ATLANTA AUGUSTA ST. SIMONS ISLAND	SHEET C706



LEGEND

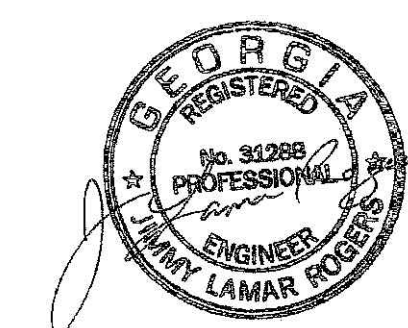
SYMBOL	DESCRIPTION
Ck	Chewacia silt loam, 0 to 2 percent slopes, frequently flooded
CuB	Cunningham loam, 2 to 6 percent slopes
DnC	Dewey silt loam, 6 to 10 percent slopes
FuB	Fullerton gravelly silt loam, 2 to 6 percent slopes
FuC	Fullerton cherty silt loam, 6 to 10 percent slopes
FuD	Fullerton cherty silt loam, 10 to 15 percent slopes
FUE	Fullerton cherty silt loam, 15 to 25 percent slopes
HeF	Hector stony fine sandy loam, 15 to 40 percent slopes
Mo	Mine pits
MsD	Montevillo very shaly silt loam, 6 to 15 percent slopes
MsF	Montevillo very shaly silt loam, 15 to 45 percent slopes
RoA	Rome fine sandy loam, 0 to 2 percent slopes
SHB	Shack cherty silt loam, 2 to 6 percent slopes
SHC	Shack cherty silt loam, 6 to 10 percent slopes
SHD	Shack cherty silt loam, 10 to 15 percent slopes
TnE	Townley silt loam, 10 to 25 percent slopes
Ud	Udorthents
W	Water
WaA	Wax loam, 0 to 2 percent slopes
Wh	Whitwell silt loam



 OTHER FLOOD AREAS

ZONE X
 AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.

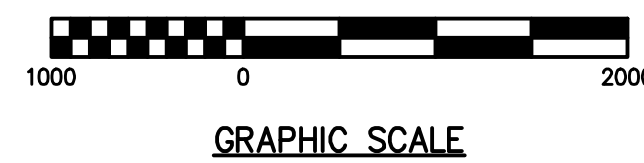
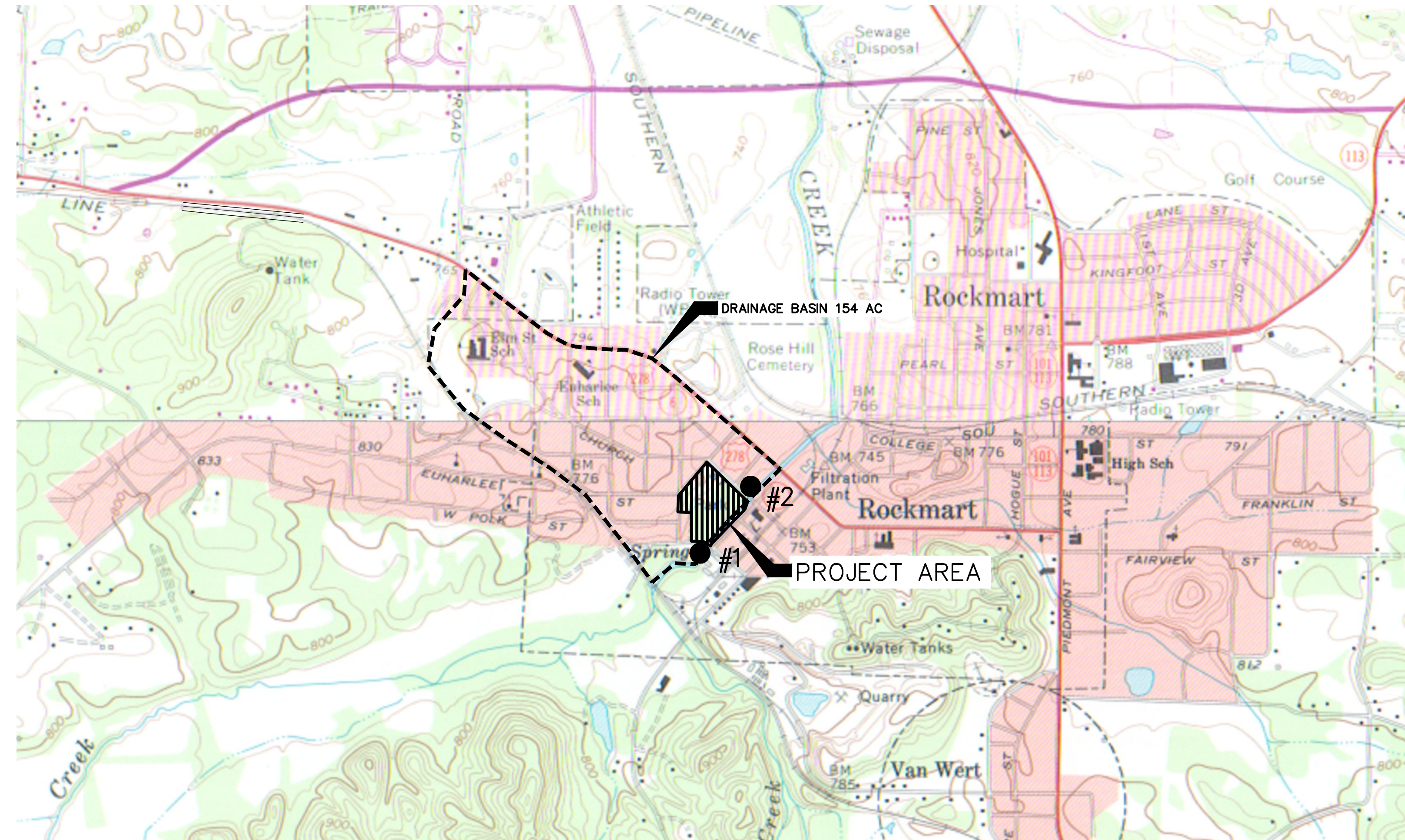
P:\Rockmart\182208 event_center & trailhead\Drawings\historic_event_center\SOILS & FLOOD.dwg



GSWCC CERTIFICATION NO. 22351

REVISIONS		CITY OF ROCKMART, GEORGIA HISTORIC ROCKMART EVENT CENTER	
		SOILS MAP AND FLOOD MAP	
DRAWN	CHECKED		
SPS	JLR	SCALE: AS SHOWN	DATE: SEPTEMBER 2024
TURNIPSEED ENGINEERS		ATLANTA AUGUSTA ST. SIMONS ISLAND	
		SHEET C707	

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GENERAL NOTES

1. EUHARLEE CREEK IS THE RECEIVING WATERS FOR THIS PROJECT WHICH SUPPORTS WARM WATER FISHERIES.
2. WATER SAMPLING POINT 1 IS THE LOCATION FOR UPSTREAM SAMPLING. THE CONTRACTOR SHALL SAMPLE THE UPSTREAM SAMPLING POINT. THE UPSTREAM SAMPLE FOR THE RECEIVING WATER MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORM WATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY.
3. WATER SAMPLING POINT 2 IS THE DOWNSTREAM SAMPLE POINT. THE CONTRACTOR SHALL SAMPLE THE DOWNSTREAM SAMPLING POINT. A SAMPLE FOR THE RECEIVING WATER MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.
4. THE SAMPLING POINT LOCATIONS HAVE BEEN DETERMINED BY THE DESIGN PROFESSIONAL. IN THE OPINION OF THE DESIGN PROFESSIONAL AN INCREASE IN THE TURBIDITY AT THE LOCATIONS SHOWN WILL BE REPRESENTATIVE OF THE INCREASE IN THE TURBIDITY OF BOTH BASINS. THE TOPOGRAPHY DOES NOT ALLOW PROPER SAMPLING AT ANY OTHER LOCATIONS (OTHER THAN THE ONES SHOWN) WITHIN THE PROJECT AREA.


LEGEND

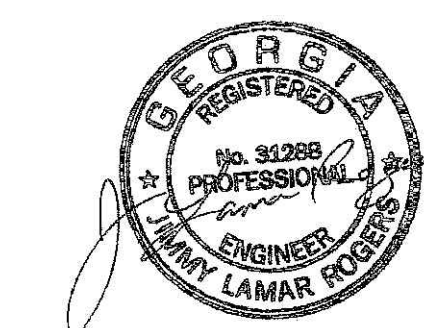
- DRAINAGE BASIN
- WATER SAMPLING POINT NO. & LOCATION #1

CONSTRUCTION SCHEDULE 2025				
ACTIVITY DESCRIPTION	MONTH			
	1	2	3	4
INSTALLATION OF SE&SC MEASURES (see-C) (see-B)				
CONSTRUCTION				
TEMPORARY GRASSING (see-B)(see-C)				
PERMANENT GRASSING (see-B)				
REMOVE TEMPORARY MEASURES				

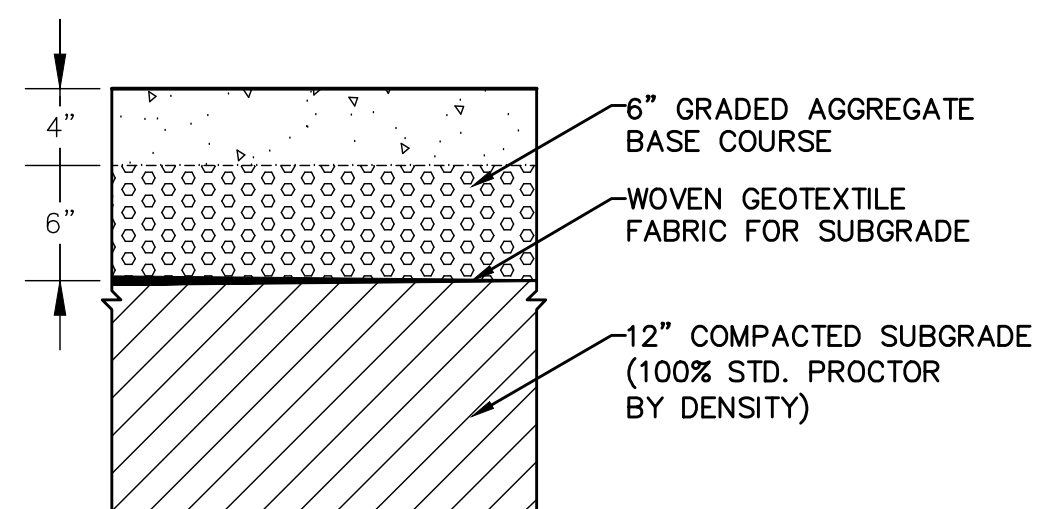
* TEMPORARY MEASURES SHALL NOT BE REMOVED UNTIL PERMANENT GRASSING IS ESTABLISHED

APPROX. START DATE

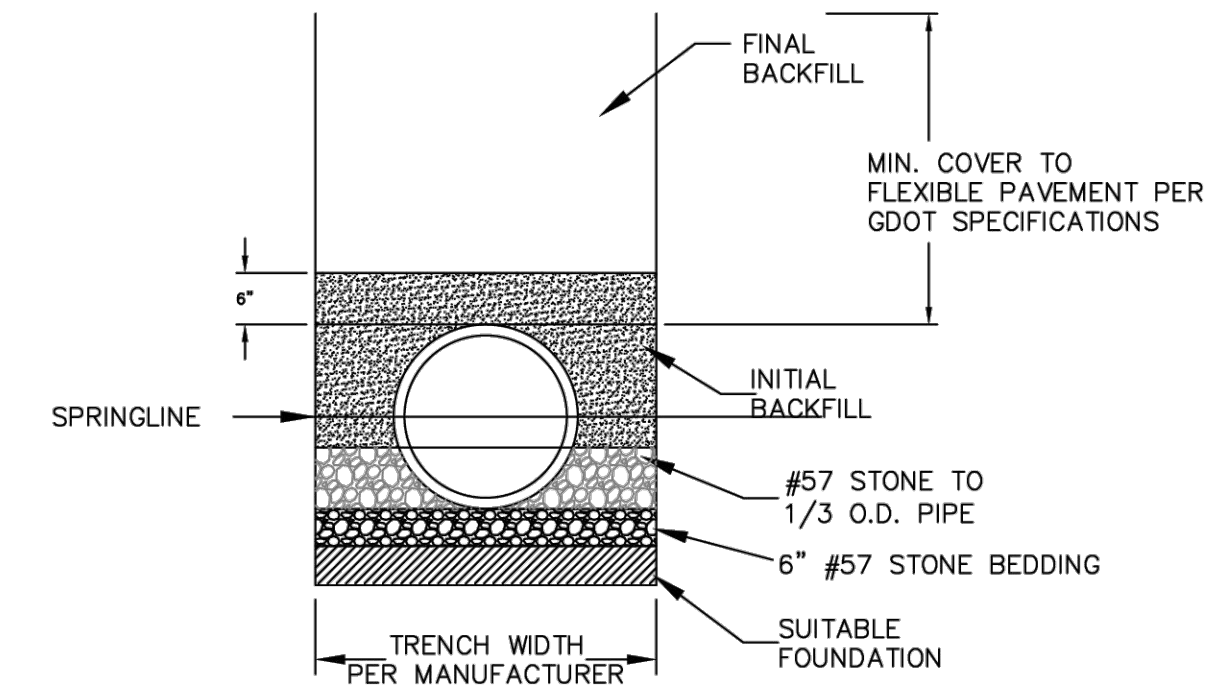
REVISIONS		CITY OF ROCKMART, GEORGIA HISTORIC ROCKMART EVENT CENTER	
		STORMWATER MONITORING PLAN	
DRAWN	CHECKED		
SPS	JLR	SCALE: AS SHOWN	DATE: SEPTEMBER 2024
		ATLANTA AUGUSTA ST. SIMONS ISLAND	SHEET C708



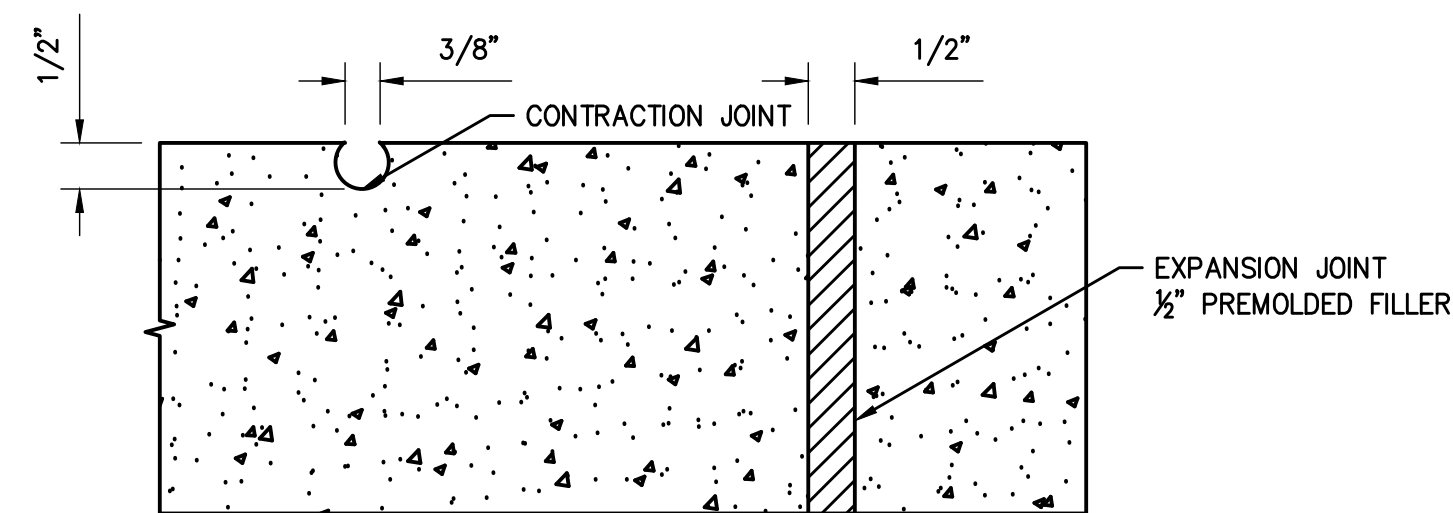
GSWCC CERTIFICATION NO. 22351



PROPOSED SIDEWALK/LIGHT DUTY CONCRETE PAVING DETAIL
N.T.S.



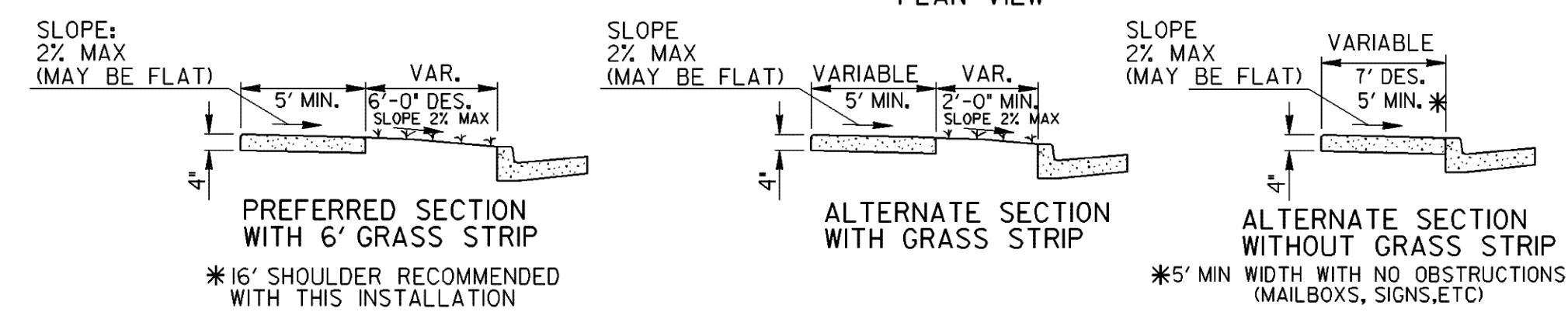
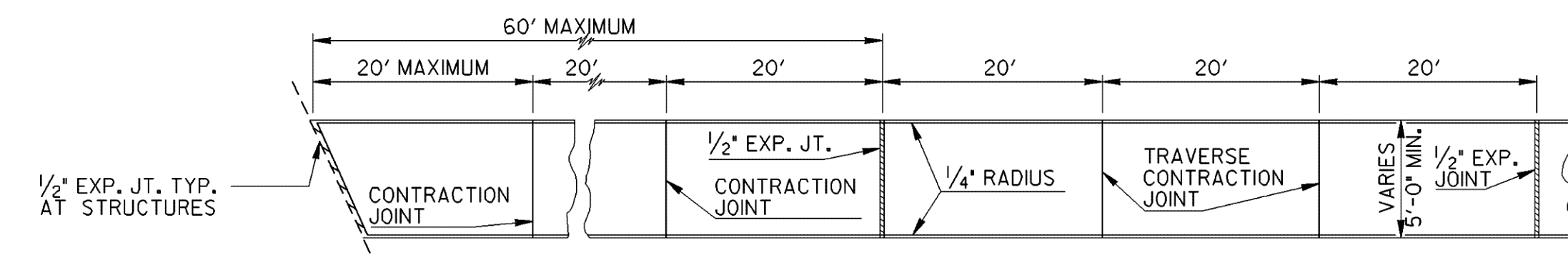
RCP STORM PIPE BEDDING DETAIL
WHERE GROUNDWATER IS PRESENT



NOTES FOR CONCRETE SIDEWALK:

1. CONCRETE TO BE PLACED 4" THICK AND FINISHED WITH TAMPS, WOOD FLOATS AND STIFF-BRISTLE BROOMS.
2. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 20' INTERVALS. ALL EDGES TO BE ROUNDED TO 1/4" RADIUS.
3. 1/2" EXPANSION JOINTS SHALL BE PLACED, WHERE SIDEWALK TIE INTO A STRUCTURE OR TERMINATE AT CURB, RAMPS OR DRIVEWAYS AND AT 60' INTERVALS.

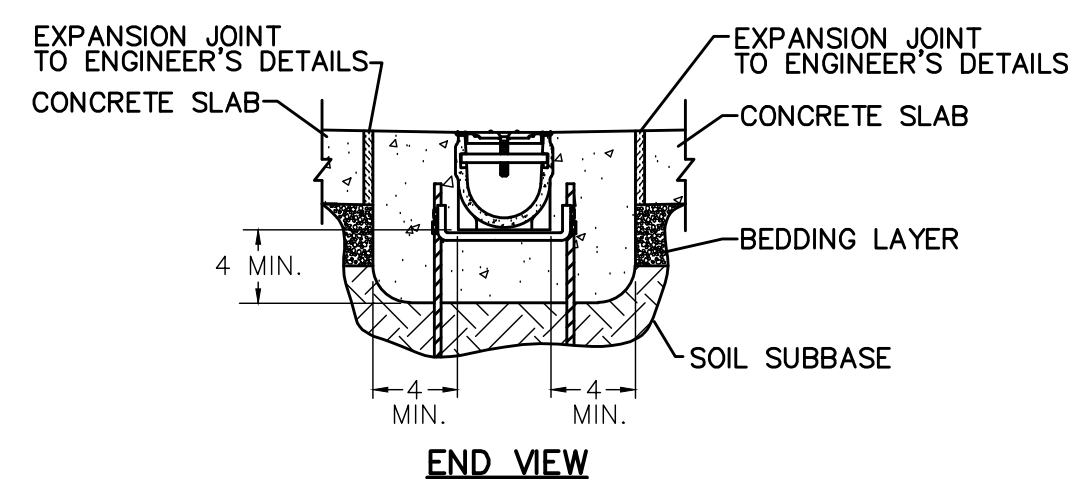
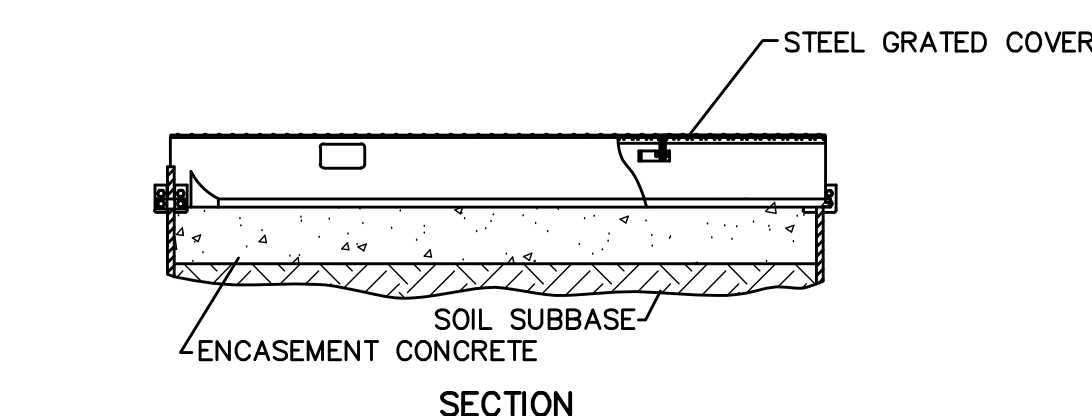
CONCRETE SIDEWALK JOINING DETAIL
N.T.S.



NOTES FOR CONCRETE SIDEWALK:

- A. CONCRETE TO BE PLACED 4" THICK AND FINISHED WITH TAMPS, WOOD FLOATS AND STIFF-BRISTLE BROOMS.
- B. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 20 FT. INTERVALS. ALL EDGES TO BE ROUNDED TO 1/4" RADIUS.
- C. 1/2" EXPANSION JOINTS SHALL BE PLACED, WHERE SIDEWALK TIE INTO A STRUCTURE OR TERMINATE AT CURB, RAMPS OR DRIVEWAYS AND AT 60' INTERVALS.

CONCRETE SIDEWALK DETAILS



NOTES:

1. CONTRACTOR MAY INSTALL RECTANGULAR SHAPED FRAME IN LIEU OF U SHAPED FRAME.
2. CONCRETE STRENGTH, THICKNESS AND REINFORCEMENT SHALL BE DETERMINED BY THE MANUFACTURER.
3. INSTALLATION SHALL BE COMPLETED IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.
4. EXPANSION JOINTS SHOULD BE USED TO PROTECT THE CHANNEL AND CONCRETE ENCASEMENT.
5. TRENCH GRATE SHALL BE INSTALLED PER ADA STANDARDS.
6. VERTICAL SURFACE DISCONTINUITIES SHALL BE 1/2 INCH MAXIMUM. VERTICAL SURFACE DISCONTINUITIES BETWEEN 1/4 INCH AND 1/2 INCH SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 50 PERCENT. THE BEVEL SHALL BE APPLIED ACROSS THE ENTIRE VERTICAL SURFACE DISCONTINUITY.
7. HORIZONTAL OPENINGS IN GRATINGS AND JOINTS SHALL NOT PERMIT PASSAGE OF A SPHERE MORE THAN 1/2 INCH DIAMETER. ELONGATED OPENINGS IN GRATINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

TRENCH GRATE DETAIL
N.T.S.

REVISIONS		CITY OF ROCKMART, GEORGIA HISTORIC ROCKMART EVENT CENTER	
		CONSTRUCTION DETAILS	
DRAWN	CHECKED		
SPS	JLR	SCALE: AS SHOWN	DATE: SEPTEMBER 2024
GSWCC CERTIFICATION NO. 22351		ATLANTA AUGUSTA ST. SIMONS ISLAND	SHEET C801

Table with columns: STATE (GA.), PROJECT NUMBER, SHEET NO., TOTAL SHEETS.

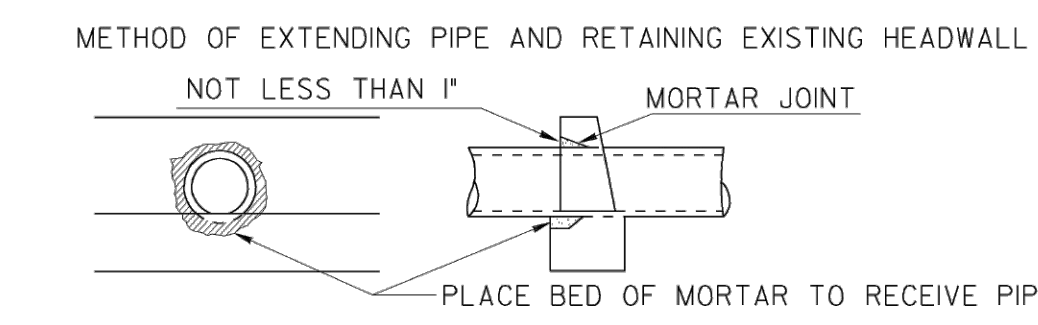
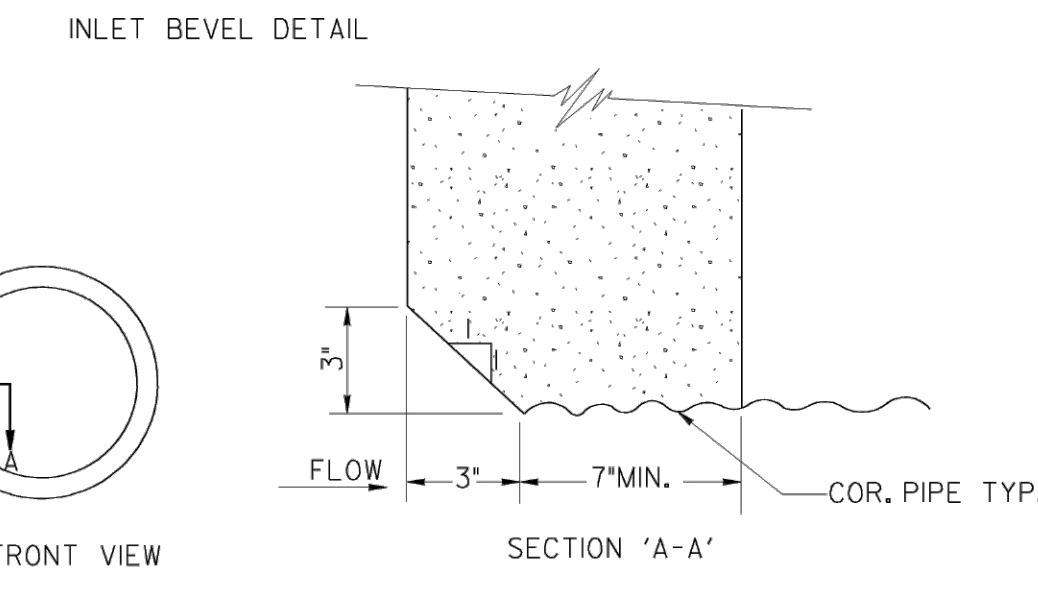
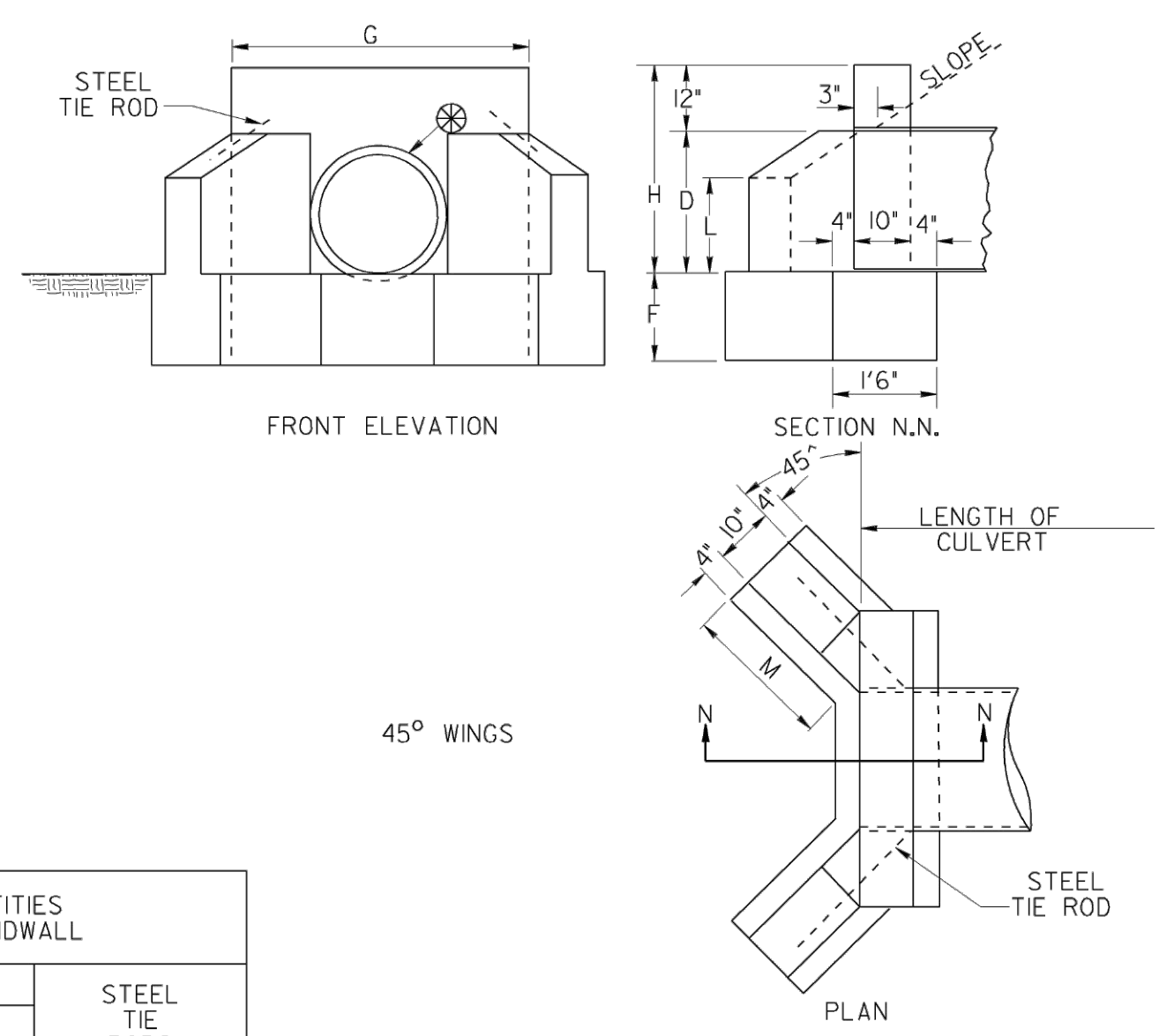
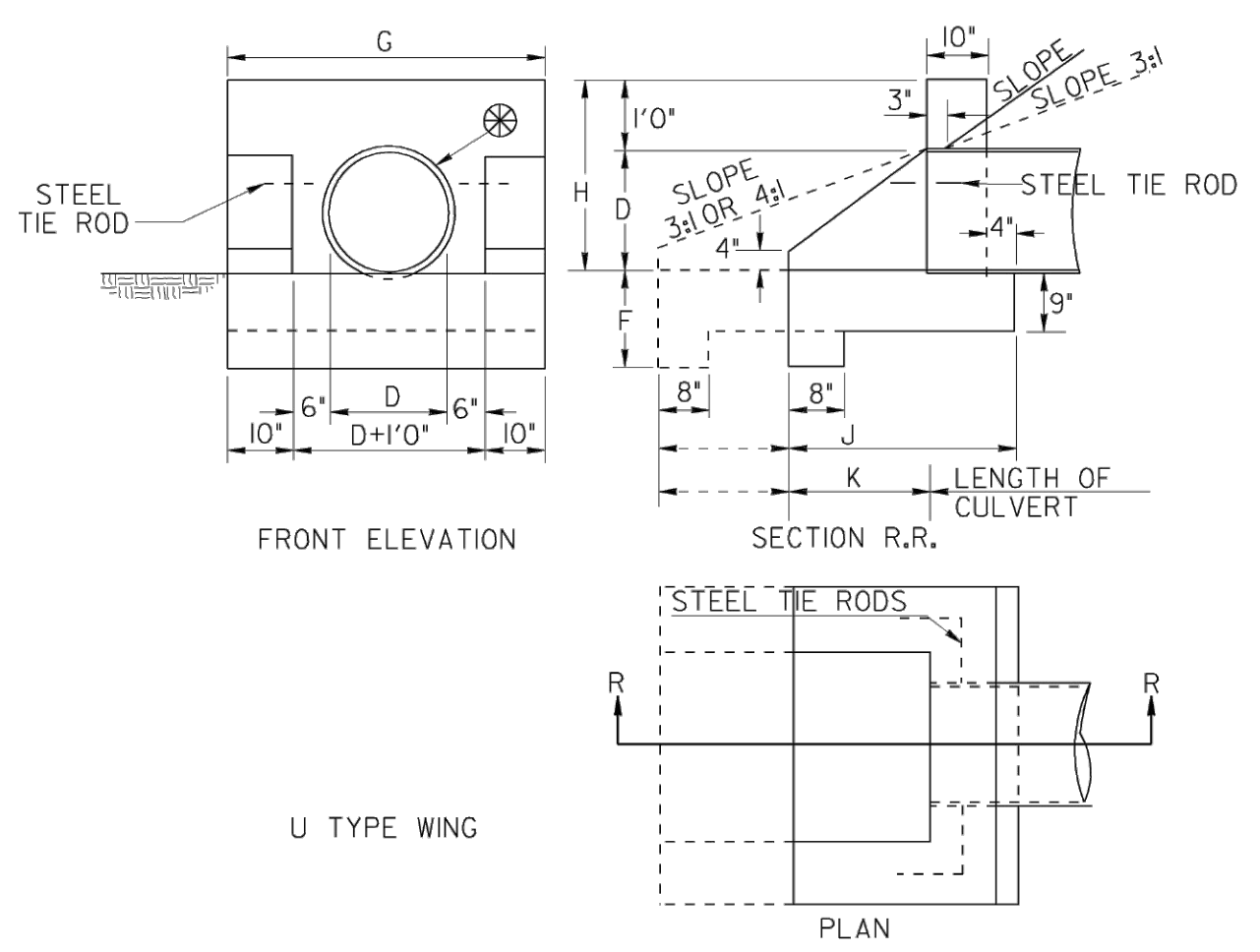
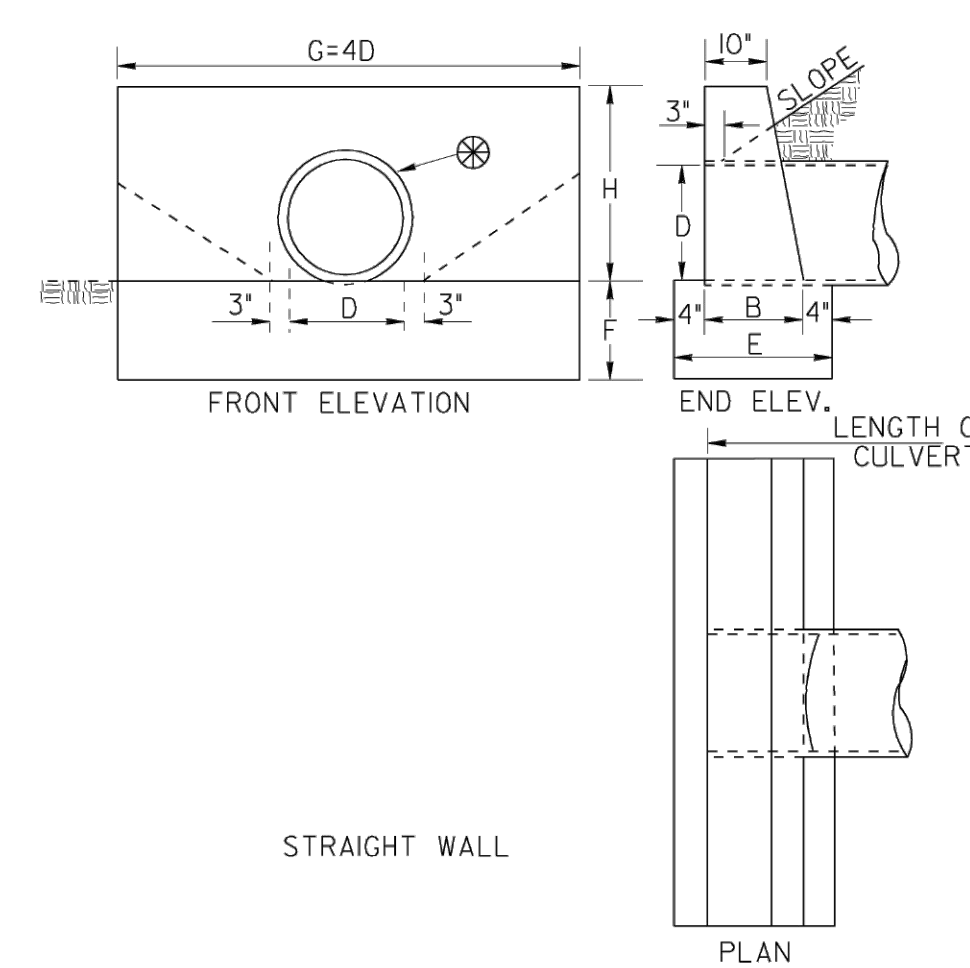
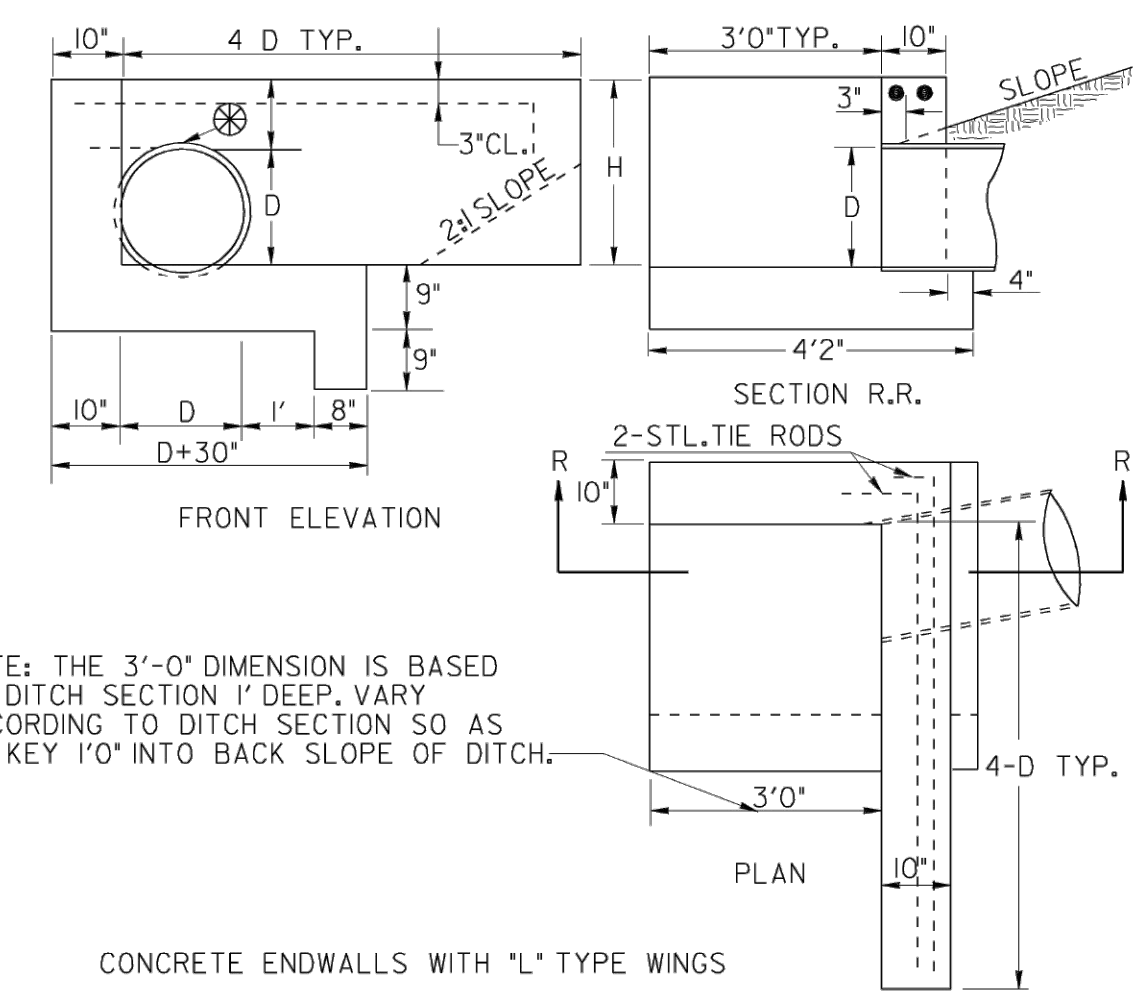


Table with columns: DIMENSIONS (Opening, Wall, Footing), QUANTITIES ONE STRAIGHT ENDWALL (Class 'B' Concrete, Total). Includes a note: FOR EACH ADDITIONAL PIPE LINE, ADD TO G: 0D+10D OR 3 FEET, WHICHEVER IS SMALLER.

Table with columns: DIMENSIONS (Opening, Wall, Footing), QUANTITIES ONE 'U' ENDWALL (Class 'B' Concrete, Total), STEEL TIE RODS.

Table with columns: DIMENSIONS (Opening, Wall, Footing), QUANTITIES ONE ENDWALL WITH 45° WING WALLS (Class 'B' Concrete, Total), STEEL TIE RODS.



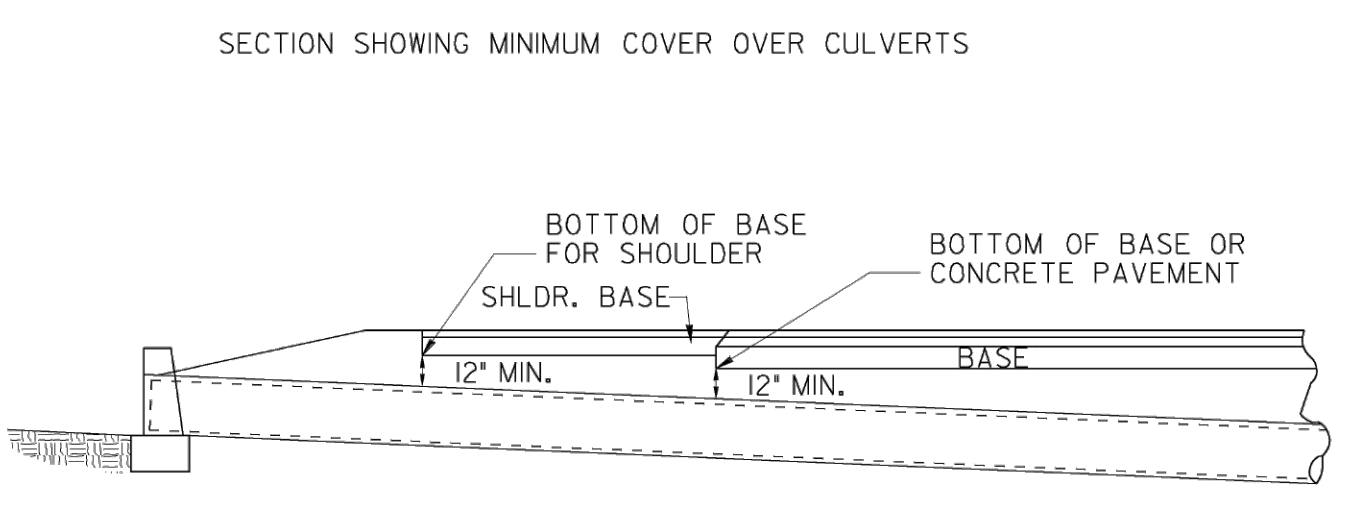
NOTE: THE 3'-0" DIMENSION IS BASED ON DITCH SECTION 1' DEEP. VARY ACCORDING TO DITCH SECTION SO AS TO KEY 10" INTO BACK SLOPE OF DITCH.

NOTE: THESE QUANTITIES WILL VARY ACCORDING TO DITCH SECTION AND ARE TO BE USED FOR ESTIMATING PURPOSES ONLY. PAYMENT TO BE MADE ACCORDING TO QUANTITIES MEASURED AS ACTUALLY PLACED.

Table with columns: DIMENSIONS (D, Area, H, 4D, D+30, CUL. YD., CONC.), QUANTITIES ONE 'L' ENDWALL (Steel Tie Rods).

NOTE: QUANTITIES OF CONCRETE ARE BASED ON INSIDE DIAMETER OF PIPE. NO DEDUCTIONS SHALL BE MADE FOR SHELL THICKNESS OR SKEW OF PIPE IN COMPUTING PAY QUANTITIES.

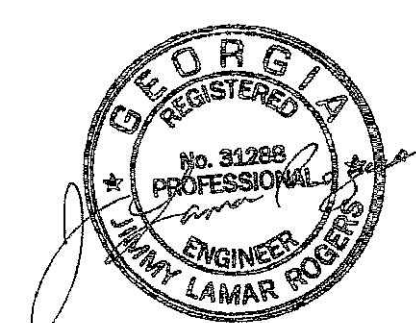
IF PIPE HAS NEITHER A GROOVE NOR A SPIGOT AT ITS INLET, AN INLET BEVEL WILL BE REQ'D.



NOTE: GRADE GENERALLY TO FOLLOW SLOPE OF STREAM.

NOTE TO DESIGNER: THIS STANDARD IS LIMITED FOR USE ONLY AT SPECIAL CONDITIONS, OTHERWISE, SEE CURRENT STANDARDS 1120 & 1125. HEADWALLS ARE NOT TO BE PLACED INSIDE THE CLEAR ZONE.

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA STANDARD PIPE CULVERT CONCRETE HEADWALL. Includes revision table and design engineer information.



GSWCC CERTIFICATION NO. 22351

Table with columns: REVISIONS, CITY OF ROCKMART, GEORGIA HISTORIC ROCKMART EVENT CENTER, HEADWALL DETAIL, DRAWN, CHECKED, SPS, JLR, SCALE: AS SHOWN, DATE: SEPTEMBER 2024, SHEET C803.