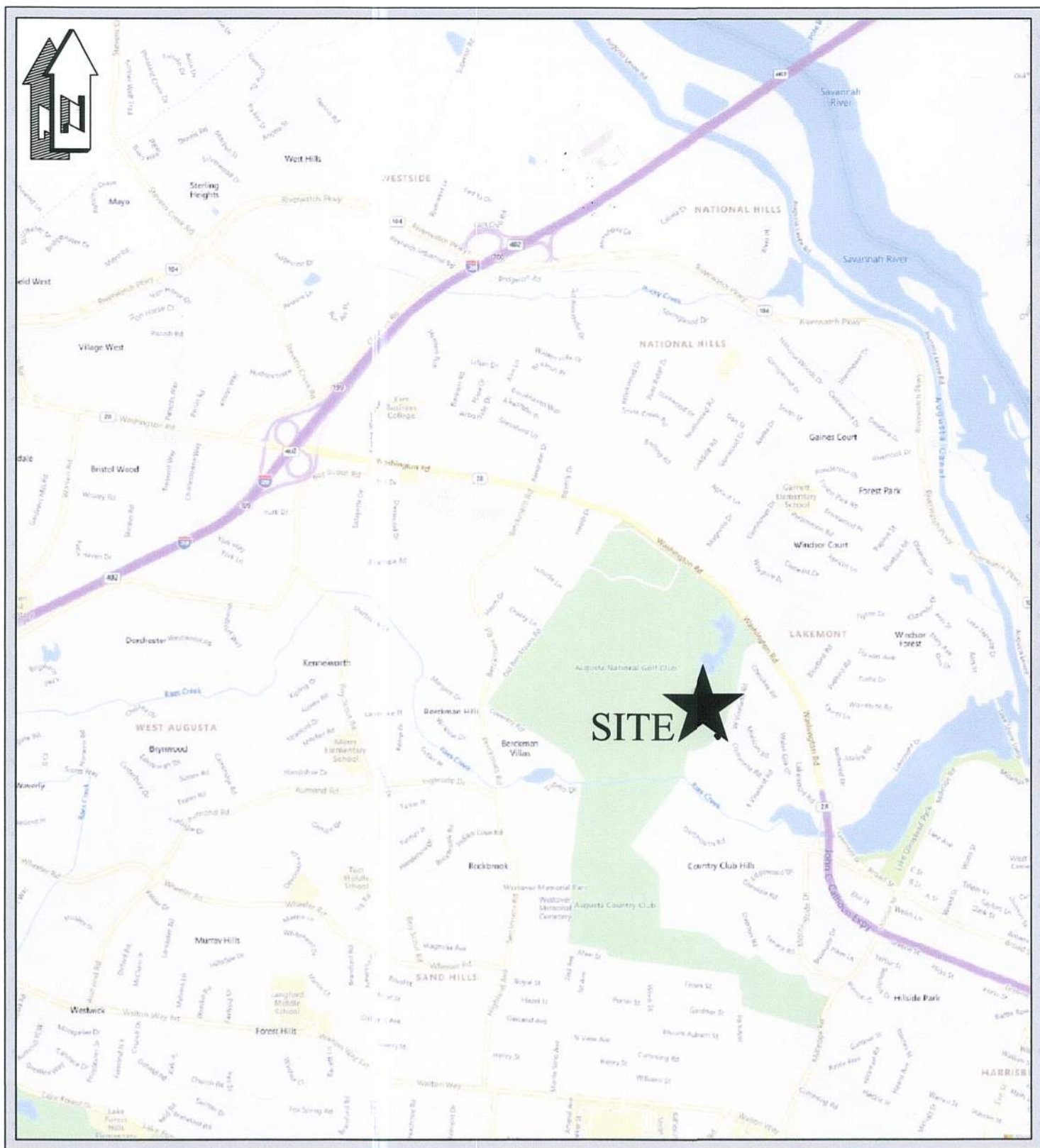


G:\VAA-ACTIVE JOBS\2021-2021-0671-ANGC - FACILITIES OPERATIONS BUILDING\AC-DRAWINGS\CIVIL\2021-0671-COVR.DWG 3/15/2022 9:03 AM



VICINITY MAP
N.T.S.

| Sheet Index | |
|--------------|---|
| Sheet Number | Sheet Title |
| C100 | Cover |
| C101 | Legend & General Notes |
| C200 | Existing Conditions & Demolition Plan |
| C300 | Layout Plan |
| C301 | Grading & Drainage Plan |
| C302 | Utility Plan |
| C303 | Tree Plan |
| C400 | Profiles |
| C500 | Erosion Control Notes & Monitoring Plan |
| C501 | Erosion Control Plan |
| C502 | Erosion Control Details |
| C503 | Erosion Control Details |
| C600 | Miscellaneous Details |
| C601 | Miscellaneous Details |
| C602 | Miscellaneous Details |

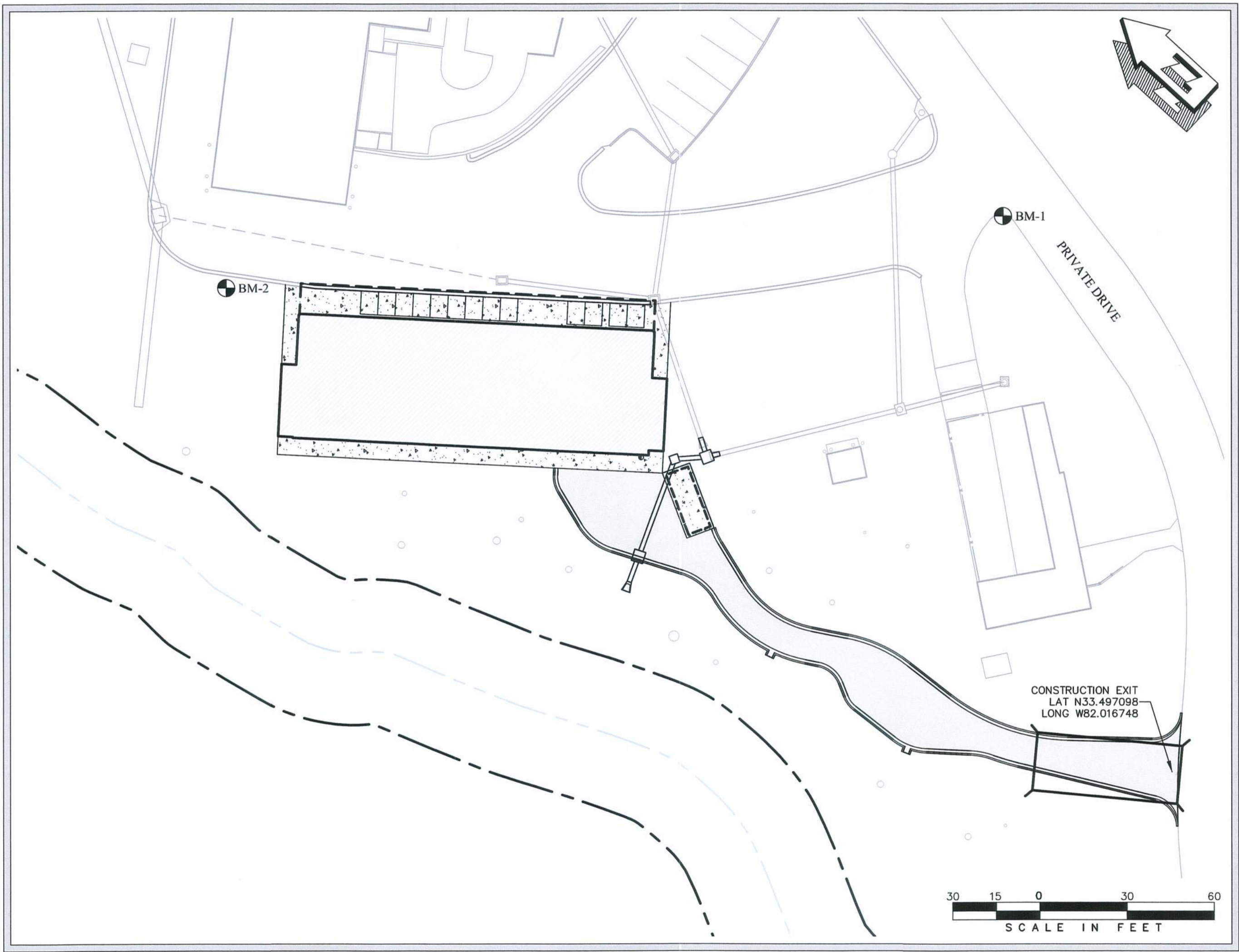
CONSTRUCTION PLANS FOR

F&E Ops Building

PREPARED FOR

AUGUSTA NATIONAL GOLF CLUB

2604 WASHINGTON RD
AUGUSTA GA, 30904



PREPARED BY



FEBRUARY 24, 2022



LOCATION MAP
N.T.S.

PROJECT DATA:

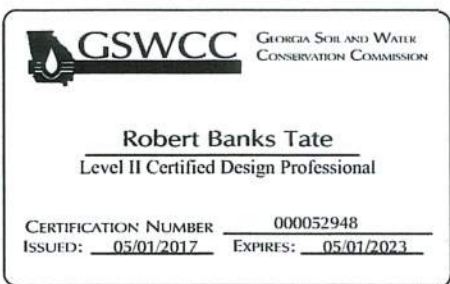
- | | |
|---|-----------------------|
| 1. ACREAGE OF PROPERTY: | 403.12 ACRES |
| 2. ACREAGE OF DEVELOPMENT: | 0.50 ACRES |
| 3. OWNER/DEVELOPER: | |
| ANI 2604 WASHINGTON RD AUGUSTA GA, 30904 PHONE: 706-667-6301 | |
| 24 HOUR CONTACT: | |
| NAME: W.BRAD OWEN PHONE: 706-829-9368 | |
| 4. TAX MAP & PARCEL NUMBERS: | 019-0-062-00-0 |
| 5. ZONING: | R1 |
| 6. STORM WATER OUTFALL: | NEW 18" OUTLET |
| 7. DRAINAGE AREA THIS PROJECT: | 0.50 ACRES |
| 8. IMPERVIOUS AREA: | |
| | EXISTING: 0.01 ACRES |
| | PROPOSED: 0.27 ACRES |
| 9. PERVIOUS AREA: | |
| | EXISTING: 0.49 ACRES |
| | PROPOSED: 0.23 ACRES |
| 10. RECEIVING STREAM: | RAE'S CREEK |
| 11. ULTIMATE STREAM: | SAVANNAH RIVER |
| 12. EXISTING LAND USE: | GOLF COURSE AMENITIES |
| 13. PROPOSED LAND USE: | GOLF COURSE AMENITIES |

BENCHMARK DATA

| NAME | DESCRIPTION | PT # | NORTHING | EASTING | ELEVATION |
|------|-------------|------|------------|-----------|-----------------|
| BM-1 | ZPKNS | 51 | 1272278.21 | 701970.16 | 212.70 (NAVD88) |
| BM-2 | ZNS | 7 | 1272457.80 | 701770.82 | - |

BENCHMARK DATA:

- COORDINATE SYSTEM IS STATE PLANE NAD 1983.
- ALL DISTANCES SHOWN ARE GROUND.



2021-0671

C100

[illegible][illegible]

ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS OF THE GEORGIA DEPARTMENT OF TRANSPORTATION, THE AUGUSTA PUBLIC WORKS DEPARTMENT, AND THE PROJECT SPECIFICATIONS.

3. EXISTING ROAD CLOSURES AND DETOURS WITHIN THE AUGUSTA-RICHMOND COUNTY PUBLIC WORKS & ENGINEERING DEPARTMENT (706) 821-1706, CERTIFIED FLAGGERS AND/OR ARROW BOARDERS WILL BE REQUIRED TO MAINTAIN TRAFFIC CONTROL WHILE WORKING WITHIN THE LIMITS OF PUBLIC OR PRIVATE ROADWAYS.

4. THE DATE OF SURVEY MAY 25, 2021, BY CRANSTON ENGINEERING.

5. THE DATA TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS, OR INDICATED IN ANY WAY THEREBY, WHETHER BY DRAWINGS OR NOTES OR 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 AND ARE NOT GUARANTEED.

6. THE IMMEDIATELY ADJACENT AREAS ARE THOSE AREAS THAT PREVIOUSLY UNKNOWN HISTORICAL OR ARCHEOLOGICAL SITES ARE DISCOVERED DURING CONSTRUCTION. NO ADDITIONAL WORK IN SUCH AREAS WILL BE ALLOWED UNTIL AUTHORIZED.

7. ALL CONSTRUCTION OF WATER & SANITARY SEWER LINES SHALL BE IN ACCORDANCE WITH AUGUSTA UTILITIES DEPARTMENT'S STANDARDS & SPECIFICATIONS.

8. ALL UTILITIES TREES AND SHRUBS WHICH ARE WITHIN THE DESIGNATED CONSTRUCTION EASEMENT, BUT OUTSIDE THE LIMITS OF CONSTRUCTION SHALL NOT BE DISTURBED UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER.

9. CONTRACTOR IS TO CLEAN ALL STORM WATER INLETS AND PIPE AT THE COMPLETION OF CONSTRUCTION TO REMOVE ANY SILT AND DEBRIS. THE CLEANING OF INLETS, AND PIPES (EXISTING AND PROPOSED) SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT, NO ADDITIONAL PAYMENT WILL BE MADE THEREFOR.

10. UNSUITABLE AND SURPLUS EXCAVATION MATERIAL NOT REQUIRED FOR FILL SHALL BE DISPOSED OF OFFSITE UNLESS ONSITE WASTE OR SPOIL AREAS ARE PROVIDED.

11. THE COST OF INSPECTION BY AUGUSTA-RICHMOND COUNTY'S DEPARTMENT OF PUBLIC WORKS & ENGINEERING BEFORE OR AFTER REGULAR WORKING HOURS, ON SATURDAYS, SUNDAYS OR LEGAL HOLIDAYS, SHALL BE PAID FOR BY THE INDIVIDUAL REQUESTING THE INSPECTION AT A RATE OF 1-1/2 TIMES THE REGULAR SALARY OF THE INSPECTOR PLUS 7.65% FROM THE EMPLOYERS FICA/MEDICARE MATCH. APPROVAL FOR THE INSPECTION OUTSIDE OF NORMAL WORKING HOURS SHALL BE OBTAINED FROM THE COUNTY ENGINEER 48 HOURS IN ADVANCE. PRIOR TO THE COMMENCEMENT OF WORK BY THE DEPARTMENT OF PUBLIC WORKS & ENGINEERING AGREEING TO PAY THE OVERTIME. THE INDIVIDUAL REQUESTING THE INSPECTION WILL BE BILLED BY THE DEPARTMENT OF PUBLIC WORKS & ENGINEERING FOR PAYMENT.

12. DISTURBANCE TO ANY SURVEY MARKERS OR MONUMENTS REQUIRES RE-ESTABLISHMENT BY A LICENSED SURVEYOR AT THE CONTRACTOR'S EXPENSE.

13. ANY CORRECTIONS TO THE PLANS OR DISCOVERIES OF UNEXPECTED OBSTRUCTIONS SHOULD BE NOTED ON THE CONTRACTOR'S PROPOSAL AND DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO CORRECT THE SAME.

14. ADDITIONAL CLEARING AND GRUBBING BEYOND THE LIMITS SHOWN SHALL BE AT THE CONTRACTORS DISCRETION, SUBJECT TO THE OWNER'S APPROVAL.

15. EXACT LOCATIONS OF PROPOSED WATER AND SEWER MAINS SHALL BE DETERMINED DURING CONSTRUCTION. FINAL PLACEMENT SHALL BE COORDINATED BY THE CONTRACTOR AND LOCATED IN SUCH A MANNER AS TO NOT CONFLICT WITH THE OTHER UTILITIES WITHIN THE RIGHT-OF-WAY OR EASEMENTS.

16. ALL CONSTRUCTION WITHIN AUGUSTA RIGHTS-OF-WAY SHALL CONFORM TO AUGUSTA, GEORGIA STANDARD SPECIFICATIONS.

17. THE AUGUSTA DEPARTMENT OF PUBLIC WORKS & ENGINEERING (706) 821-1706 SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE DURING REGULAR HOURS (8:30 AM TO 5:00 PM, MONDAY THROUGH FRIDAY, EXCLUDING AUGUSTA, GA HOLIDAYS) BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY.

18. AN ENCROACHMENT PERMIT SHALL BE OBTAINED FROM THE PUBLIC WORKS DEPT. PRIOR TO COMMENCING WORK WITHIN AUGUSTA-RICHMOND COUNTY RIGHT-OF-WAY.

19. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD WITH THE CITY ENGINEER OR HIS REPRESENTATIVE PRIOR TO BEGINNING CONSTRUCTION. THIS MEETING SHALL BE SCHEDULED WITH THE DEPARTMENT AT THE TIME THE NOTIFICATION OF WORK COMMENCEMENT IS GIVEN.

20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ANY PLAN APPROVAL PRIOR TO REQUESTING APPROVAL OF THE FINAL PLAN. I WILL BE RESPONSIBLE FOR THE COST OF ANY PLAN APPROVAL PRIOR TO REQUESTING APPROVAL OF THE FINAL PLAN. I WILL BE RESPONSIBLE FOR THE COST OF ANY PLAN APPROVAL PRIOR TO REQUESTING APPROVAL OF THE FINAL PLAN.

21. THIS CERTIFICATE IS NOT A NOTARIZED STATEMENT AS FOLLOWS: "I CERTIFY THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND ACCORDANT WITH THE PLANS & SPECIFICATIONS." THIS CERTIFICATE WILL BE BASED ON OBSERVATIONS OF & SUPERVISION OF CONSTRUCTION BY MY REPRESENTATIVE OR THE OWNER. THE OWNER UNDERSTANDS THE CERTIFICATE OF OCCUPANCY WILL NOT BE APPROVED UNTIL THIS CERTIFICATION HAS BEEN MADE.

22. APPROVAL OF THIS CERTIFICATE BY THE OWNER FOR THE IMPROVEMENTS SHOWN ON THE DEVELOPMENT PLAN, ANY VARIATION FROM THE APPROVED PLAN MUST BE APPROVED BY THE CITY ENGINEER.

23. ALL DRAINAGE EASEMENTS & DISTURBED AREAS MUST BE GRASSED AND/OR RIP-RAPPED AS REQUIRED TO CONTROL EROSION.

24. ALL SILT BARRIERS MUST BE PLACED IMMEDIATELY FOLLOWING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT BARRIERS INSTALLATION IS COMPLETE.

25. ACCORDING TO THE FEMA FIRM PANEL 0100, NO PORTION OF THIS SITE LIES WITHIN THE 100 YEAR FLOOD PLAIN.

26. THE OWNER/ENGINEER WILL BE RESPONSIBLE FOR THE INITIAL INSTALLATION OF ALL TRAFFIC CONTROL SIGNALS.

27. THE CONTRACTOR WILL BE REQUIRED TO HAVE ON SITE A COPY OF GEORGIA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS AND AN INSTRUMENTED STANDARD MAPS, CURRENT EDITION.

28. AN ELECTRONIC COPY OF THE AS-BUILT OF THIS PROJECT WILL BE PROVIDED TO THE AUGUSTA ENGINEERING DEPARTMENT PRIOR TO ANY CO BEING ISSUED.

29. A 4 FOOT BY 4 FOOT PAD 6 INCHES IN DEPTH OF 3000# CONCRETE SHALL BE POURED AROUND ALL MANHOLES IN THE ROADWAY 2 INCHES BELOW FINISHED GRADE TO INSURE COMPACTATION AROUND SUD MANHOLES.

30. ANY ENCROACHMENT INTO THE RIGHT-OF-WAY WILL REQUIRE A SEPARATE "ENCROACHMENT PERMIT" FROM AED PRIOR TO ANY WORK.

31. ANY ENCROACHMENT INTO THE RIGHT-OF-WAY WHICH POSES A RESTRICTION TO TRAFFIC FLOW OR ENDANGERS THE MOTORING PUBLIC SHALL REQUIRE A TRAFFIC CONTROL PLAN.

32. THE EXISTENCE, ABSENCE, LOCATION AND ELEVATION OF UNDERGROUND UTILITIES ON THE PLANS ARE NOT BASED ON FIELD MARKS, ARE NOT GUARANTEED, AND SHALL BE INVESTIGATED, UNEARTHED IF NECESSARY, AND VERIFIED BY CONTRACTOR BEFORE BEGINNING CONSTRUCTION.

33. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.

34. NO EXTRA PAYMENT WILL BE MADE FOR REPAIRS TO DAMAGE OF EXISTING UTILITY.

35. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, ABOVE GROUND OR UNDERGROUND, POWER POLES, ETC.; CONTRACTOR SHALL COORDINATE WITH AUGUSTA UTILITIES DEPARTMENT BEFORE ANY CONSTRUCTION PRIOR TO OR DURING CONSTRUCTION.

36. THE CONTRACTOR SHALL NOTIFY THE AUGUSTA UTILITIES DEPT. AT LEAST 72 HOURS IN ADVANCE OF ANY PLANNED SUSPENSION OF WATER SERVICE. THE CONTRACTOR SHALL OBTAIN WRITTEN AUTHORIZATION FROM THE AUGUSTA UTILITIES DEPT. PRIOR TO SUSPENDING OR INTERRUPTING WATER SERVICE.

37. THE CONTRACTOR IS RESPONSIBLE FOR ALL ASPECTS OF ANY WATER AND/OR SANITARY SEWER LINE RELOCATION, INCLUDING BUT NOT LIMITED TO SCHEDULING, LOCAL AUTHORITY NOTIFICATIONS, THE OPERATION OF THE WATER SYSTEM VARIATIONS, IF ANY, SHALL BE THE RESPONSIBILITY OF THE OWNER BUT SHALL BE COORDINATED BY THE CONTRACTOR.

38. IF IN THE COURSE OF CONSTRUCTION A CONFLICT OR DISCREPANCY BETWEEN THE NEW WORK AND THE EXISTING WATER AND SEWER FACILITIES, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR, AT HIS EXPENSE AND NOT AUE'S, TO CORRECT THE DISCREPANCY AS DIRECTED BY A REPRESENTATIVE OF AUE.

39. AN AUE INSPECTOR SHALL BE PRESENT WHEN A TAP OR TIE-IN OCCURS FOR WATER AND SANITARY SEWER.

| | | | | | | |
|-------------------|-----|---------------------|-------|-------------------|------|-------------------|
| ASH | CYP | CYPRESS | HO | HOLLY | PE | PECAN |
| BIRCH | DW | DOGWOOD (FLOWERING) | JAP | JAPANESE MAPLE | PN | PINE |
| CAMELLIA | ERC | EASTERN RED CEDAR | JPH | JAPANESE HOLLY | PO | POPLAR |
| CEDAR | FR | FRUIT TREE | MAG | SOUTHERN MAGNOLIA | PR | PEAR |
| CHINABERRY | GBL | GINKO BILOBA | MP | MAPLE | SG | SWEETGUM |
| CHERRY | GUM | GUM | MULTI | MULTI-TRUNK | SUB | SUGARCANE |
| CHINESE PISTACHIO | HI | HICKORY | OAK | OAK | SYC | SYCAMORE |
| CRAPE MYRTLE | HKB | HACKBERRY | PA | PALMETTO | TREE | UNKNOWN TREE TYPE |

ALL CONSTRUCTION OF WATER DISTRIBUTION SYSTEMS AND WASTEWATER COLLECTION SYSTEM LINES SHALL BE IN ACCORDANCE WITH AUGUSTA UTILITIES DEPARTMENT (AUD) WATER & SANITARY SEWER SYSTEMS-DESIGN STANDARDS, CONSTRUCTION STANDARDS, AND SPECIFICATIONS (LATEST EDITION).

THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT LOCATION, SIZE, AND MATERIAL OF ANY EXISTING WATER OR SANITARY SEWER UTILITY PROPOSED FOR CONNECTION OR USE BY THE PROJECT.

CONTRACTOR SHALL CONTACT THE UTILITIES PROTECTION INC. CALL BEFORE YOU DIG" SERVICE (#811) IN ORDER TO LOCATE UTILITIES PRIOR TO ANY EXCAVATION. EXCAVATION SHALL BE STOPPED IMMEDIATELY IF THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN ON PLANS ARE APPROXIMATE AS DETERMINED FROM EXISTING RECORDS.

THE CONTRACTOR SHALL COORDINATE THE WORK OF THE UTILITY COMPANIES.

THE AUGUSTA ENGINEERING DEPARTMENT (AED) SHALL BE NOTIFIED AT LEAST 48 HOURS (TWO WORKING DAYS) IN ADVANCE OF ANY CONSTRUCTION ACTIVITY WITHIN AUGUSTA, GEORGIA (EXCLUDING AUGUSTA, GEORGIA HOLIDAYS) PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY WITHIN AUGUSTA, GEORGIA RIGHT-OF-WAY (#708-821-1708).

AUD ENGINEERING DIVISION SHALL BE NOTIFIED AT LEAST 48 HOURS (TWO WORKING DAYS) IN ADVANCE DURING REGULAR WORKING HOURS (8:30 AM TO 5:00 PM, MONDAY, FRIDAY, EXCLUDING AUGUSTA, GEORGIA HOLIDAYS) PRIOR TO ANY CONSTRUCTION, REPAIR OR REPLACEMENT OF ANY WASTEWATER UTILITIES. NO WORK SHALL COMMENCE UNTIL CONTACT IS MADE WITH THE PROJECTS AUD INSPECTIONS REPRESENTATIVE.

DISURBANCE OF ANY SURVEY MARKERS OR MONUMENTS REQUIRES RE-ESTABLISHMENT BY A PROFESSIONAL LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE. DOCUMENTATION OF THE WORK MUST BE PRESENTED TO THE AUD ENGINEERING DIVISION BEFORE THE PROJECT COMMENCES.

ANY DISCREPANCIES, ERRORS, OR OMISSIONS DISCOVERED ON PLANS OR IN THE SPECIFICATIONS SHOULD BE NOTED ON THE CONTRACT PROPOSAL AND DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO CORRECT THE SAME.

IF A CONFLICT ARISES BETWEEN THE NEW WORK AND THE EXISTING WATER AND SEWER UTILITIES DURING THE COURSE OF CONSTRUCTION, IT WILL BE THE RESPONSIBILITY OF THE OWNER/DEVELOPER/CONTRACTOR, AT THEIR EXPENSE AND NOT AUD'S, TO CORRECT THE DISCREPANCY AS DIRECTED BY A REPRESENTATIVE OF AUD.

ALL EXISTING AUGUSTA ROAD STRUCTURES, INCLUDING BUT NOT LIMITED TO, MANHOLES, INLET BOXES, ETC., SHALL BE MAINTAINED AND OR ADJUSTED AS IS APPROPRIATE TO ENSURE PROPER USE.

ALL MATERIALS DEEMED SALVAGEABLE BY AUD ARE THE PROPERTY OF AUGUSTA, GEORGIA AND WILL BE REMOVED AND STORED ON SITE FOR PRIVATE DEVELOPMENTS, AND SHALL NOT BE REVENDED FOR PAYMENT OF WATERSHED AND/OR REPLACEMENT AND THE SITE RESTORATION WHENEVER AUD PERFORMS REPAIR, REPLACEMENT OR INSTALLATION WORK.

IF AUD MUST REPAIR OR REPLACE UTILITIES ON THE WORK SITE, THEN THE RESPONSIBLE PARTY SHALL ARRANGE FOR ACCESS BY A MINIMUM (20') UTILITY EASEMENT CENTERED OVER ALL WATER LINES AND A MINIMUM 20' UTILITY EASEMENT CENTERED OVER ALL WASTEWATER LINES SHALL BE DEEDED TO AUGUSTA, GEORGIA AT COMPLETION AND ACCEPTANCE OF SAID LINES. EASEMENTS SHALL BE 10 FEET WIDER AND DEWEER SHALL BE 10' FROM THE CENTER OF THE UTILITY TO OUTSIDE OF THE EASEMENT, MAINTAINING MINIMUM CLEARANCE REQUIREMENTS AS LISTED IN AUD'S WATER AND SANITARY SEWER SYSTEMS-DESIGN STANDARDS, CONSTRUCTION SPECIFICATIONS, AND DETAILS.

A RIGHT-OF-WAY ENCROACHMENT PERMIT SHALL BE OBTAINED FROM AED PRIOR TO COMMENCING ANY WORK WITHIN AN AUGUSTA, GEORGIA RIGHT-OF-WAY. THE PERMIT MUST BE APPLIED FOR THROUGH AUD.

IF A "GEORGIA DOT-OUT-OF-WAY ENCROACHMENT PERMIT" IS REQUIRED FOR WORK ON A HIGHWAY, WATERWAY, OR PERMANENT STATE ROUTES, CONTACT AUD ENGINEERING DIVISION TO DETERMINE IF A PERMIT IS REQUIRED. IF THE UTILITIES ENCROACHMENT PERMIT MUST BE APPLIED FOR THROUGH AUD, CONDITIONS OF THE PERMIT MUST BE COMPLIED WITH FULLY. THE PERMIT MUST BE IN HAND PRIOR TO ANY HIGHWAY OR HIGHWAY-RELATED CONSTRUCTION WORK IN THE GOODT RIGHT-OF-WAY.

TRAFFIC CONTROL DEVICES SHALL MEET AND BE INSTALLED IN ACCORDANCE WITH THE CITY ENGINEER'S TRAFFIC CONTROL DEVICES (MUTCD). ALSO, A TRAFFIC CONTROL/DETOUR PLAN SHALL BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL AS NOTED ON AUGUSTACHRIMMOND COUNTY, GEORGIA-RIGHTS OF WAY ENCROACHMENT GUIDELINES.

THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS FROM AUGUSTACHRIMMOND COUNTY, GEORGIA-RIGHTS OF WAY ENCROACHMENT GUIDELINES DEVELOPMENT DOCUMENT #15, ADOPTED JUNE 1999, AMENDED AUGUST 2000. THE REQUIREMENTS SET FORTH IN THIS DOCUMENT SHALL BE ADHERED TO AT ALL TIMES.

CLEARING AND GRUBBING SHALL BE AT THE CONTRACTOR'S DISCRETION, SUBJECT TO AUD APPROVAL, TO FACILITATE CONSTRUCTION.

THE IMPLEMENTATION OF BEST MANAGEMENT PRACTICES (BMP'S) FOR EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA SHALL BE INSTALLED AND MAINTAINED AT ALL TIMES.

AN AUD INSPECTOR SHALL BE PRESENT OR SECTION LEFT UNCOVERED UNTIL INSPECTED BY THE INSPECTOR WHEN A TESTING CONTRACTOR IS RESTRAINING JOINTS ARE INSTALLED, BENDS, FITTINGS, FIRE HYDRANTS, VALVES AND PRESSURE TAPES. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES. ADVANCE DURING REGULAR WORKING HOURS (8:30 AM TO 5:00 PM, MONDAY-FRIDAY, EXCLUDING AUGUSTA, GEORGIA HOLIDAYS). ADVANCE DURING ALL PACE WATER LINES SHALL BE A MINIMUM DR-18 PACE MEETING AWWA C-900 AND/OR C-905, UNLESS OTHERWISE SHOWN OR SPECIFIED.

ALL DIP WATER LINES SHALL BE CLASS 350 FOR LINES 16" DIAMETER AND SMALLER, AND CLASS 300 FOR LINES 18" DIAMETER THROUGH 24" DIAMETER, UNLESS OTHERWISE SPECIFIED OR SHOWN.

ALL NEW WATER LINES SHALL BE INSTALLED PER PIPELINE MANUFACTURER RECOMMENDATIONS.

ALL WATER LINES SHALL BE TESTED, CHLORINATED, AND CHECKED FOR BACTERIA PER AUD'S WATER & SANITARY SERVICES SYSTEMS-DESIGN STANDARDS.

COPPER WIRE (12-GAUGE, INSULATED, SINGLE STRAND) SHALL BE ATTACHED ALONG TOP OF ALL BURIED WATER LINES, WRAPPED AROUND SERVICE CORPORATIONS AND BROUGHT UP ON THE OUTSIDE OF ALL VALVE BOXES, STUBBING OUT A ELECTRICAL CONNECTIVITY, AND THEN INSULATED TO PROTECT AGAINST CORROSION. (REFERENCE AUD DETAILS WHEN APPLICABLE).

DETECTOR TAP SHALL BE 4 INCHES WIDE AND PLACED 2 FEET ABOVE PIPE. ADD SIMILAR DEVICE TO CONDUIT PER AUD DETAILS.

ALL WATER VALVES ON THE MAIN LINES, INCLUDING HYDRANT LATERALS, SHALL BE OPEN-LEFT IF INSTALLED SOUTH OF GORDON HIGHWAY (S.R. 10), OR OPEN-RIGHT IF INSTALLED NORTH OF GORDON HIGHWAY.

CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN A METER BOX AT THE TERMINATION POINT OF ALL WATER SERVICE LINES. METER BOXES FOR ALL FACILITY WATER SERVICE LINES SHALL BE PROPERLY LOCATED AND BE LOCATED IN THE CENTER OF THE LOT AND WITHIN 1' INSIDE OF THE R/W, AND MAINTAINED BY THE CONTRACTOR. AT SUCH TIME THE METER IS INSTALLED.

2. WATER SERVICE LINES SHALL HAVE MINIMUM DIAMETER OF 1 INCH (REFERENCE AUD DETAILS WHEN APPLICABLE).

3. ANY EXISTING WATER SERVICE LINES WHICH ARE EXTENSIONS OFF AN EXISTING WATER MAIN TO A BUILDING SHALL DISCOVERED DURING CONSTRUCTION SHALL BE REPLACED. THESE NEW SERVICE LINES ARE TO BE TIE INTO THE NEW WATER MAIN.

4. ALL EXISTING WATER SERVICE LINES SHALL BE RECONNECTED TO THE EXISTING WATER METER.

5. ALL EXISTING WATER SERVICE LINES SHALL BE RELOCATED. ALL METER BOXES RELOCATED AS REQUIRED BEYOND THE LIMITS OF CONSTRUCTION. THE SERVICES SHALL BE CONNECTED TO THE NEW WATER MAIN AFTER SAID MAIN HAS BEEN STERILIZED, PRESSURE TESTED AND PUT INTO SERVICE. IN THE EVENT THAT THE SERVICE LINE IS NOT ACTIVE, A NEW WATER SERVICE LINE WILL BE REQUIRED.

6. ALL WATER METERS SHALL BE PURCHASED FROM AUD CONSTRUCTION AND MAINTENANCE DIVISION.

7. THE DEVELOPER/CONTRACTOR SHALL LOCATE WATER SERVICES AND VALVES BY ETCHING A "W" FOR THE WATER SERVICE LINE IN THE CURB OR IN THE PAVEMENT IF NO CURB IS AVAILABLE, AND HIGHLIGHT THE ETCHING WITH BLUE PAINT PER THE CITY OF AUGUSTA STANDARD SPECIFICATIONS. THE "W" SHALL BE LOCATED BEHIND THE CURB OR PAVEMENT, INVERT THE "W" MARKING SO THAT IT POINTS TO THE VALVE OUTSIDE THE ROADWAY.

8. FIRE HYDRANTS ARE TO BE LOCATED A MINIMUM OF ONE FOOT INSIDE EXISTING RIGHT-OF-WAY WITH A 3' FOOT RADIAL CLEARANCE.

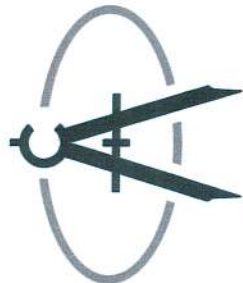
9. EXISTING FIRE HYDRANTS AND METERS THAT ARE REMOVED SHALL BE TURNED OVER TO AUD.

10. PER AUD'S WATER & SANITARY SERVICE SYSTEMS-DESIGN STANDARDS, CONSTRUCTION SPECIFICATIONS AND DETAILS:

- A. FOR BACKFLOW INSTALLATIONS FOR NON-RESIDENTIAL DEVELOPMENT, A MINIMUM "DOUBLE-CHECK" BACKFLOW-Prevention device SHALL BE INSTALLED ON THE CUSTOMER'S SIDE OF ALL SERVICES.
- B. FIRE LINES REQUIRE A MINIMUM "DOUBLE DETECTOR" BACKFLOW device.
- C. FOR BACKFLOW INSTALLATIONS FOR RESIDENTIAL DEVELOPMENTS, A "DUAL CHECK" BACKFLOW device SHALL BE INSTALLED ON THE CUSTOMER'S SIDE OF THE SERVICE LINE AT THE POINT OF TIE-IN TO THE WATER METER.
- D. FOR MEDICAL HAZARD TO HIGH HAZARD LOCATIONS, A REDUCED PRESSURE ZONE (RPZ) BACKFLOW device WILL BE REQUIRED.

11. BACKFLOW DEVICES SHALL BE TESTED BY A CERTIFIED PERSON WITHIN FIVE (5) WORKING DAYS OF INSTALLATION AND THE RESULTS FURNISHED TO THE AUD BACK FLOW INSPECTOR WITHIN 10 WORKING DAYS OF INSTALLATION PRIOR TO ANY BACKFLOW DEVICES BEING NOTIFIED PRIOR TO TESTING CONTACT THE AUGUSTA UTILITIES BACK FLOW INSPECTOR AT 706-722-1639.

AN AUD INSPECTOR SHALL BE PRESENT OR SECTION LEFT UNCOVERED UNTIL INSPECTED BY THE INSPECTOR WHEN A
SECTION OF PIPE IS TO BE EXCAVATED FOR REPAIRS. ALL REQUIRED TESTING, CONTRACTOR IS TO PROVIDE AT LEAST
48 HOUR NOTICE (TWO WORKING DAYS) IN ADVANCE DURING REGULAR WORKING HOURS (9:30 AM TO 5:00 PM,
MONDAY-FRIDAY, EXCLUDING AUGUSTA, GEORGIA HOLIDAYS).
THE CONTRACTOR IS TO VERIFY THE INVERT ELEVATIONS (I.E.) OF EXISTING PIPES PRIOR TO BEGINNING CONSTRUCTION
OF NEW SERVICE LINES. THE CONTRACTOR SHALL OBTAIN AND MAINTAIN RECORD DRAWINGS, SSS 350, EPOXY LINED.
ALL NEW SERVICE LINES SHALL BE INSTALLED PER PIPELINE MANUFACTURER REQUIREMENTS.
COPPER WIRE (12-GAUGE, INSULATED, SINGLE STRAND) SHALL BE ATTACHED ALONG TOP OF ALL BURIED SEWER LINES
FOR IDENTIFICATION PURPOSES. THE WIRE SHALL BE IDENTIFIED AS "SEWER LINE" USING INDIVIDUAL SERVICE LINES
AND BROUGHT UP ON THE OUTSIDE OF ALL MANHOLES, CLEANOUTS, OR OTHER ABOVE GROUND STRUCTURES
OUT AT THE TOP FOR LOCATING PURPOSES. THIS WIRE SHALL BE PROPERLY SPLICED WITH A WATER PROOF CONNECTOR
TO MAINTAIN ELECTRICAL CONNECTIVITY, AND THEN INSULATED TO PROTECT AGAINST CORROSION. (REFERENCE AUD DETAILS WHEN
APPLICABLE).
DETECTOR TAPE SHALL BE 4 INCHES WIDE AND PLACED 2 FEET ABOVE PIPE AND SIMILAR DEVICE TO CONDUIT PER AUD
ALL TIE-INS TO EXISTING MANHOLES SHALL BE EQUALLED UNLESS OTHERWISE APPROVED BY AUD INSPECTOR.
ALL MANHOLES REQUIRE "K OR N SEAL" OR CORKED RUBBER BOOTS, UNLESS OTHERWISE APPROVED BY AUD INSPECTOR.
ALL EXISTING AND NEW WASTEWATER LINES UNDER THE PROPOSED LINE IS INSPECTED AND
APPROVED BY AUD'S ENGINEERING DIVISION.
ALL WASTEWATER MANHOLES SHALL HAVE AN ELEVATION DROP OF 0.2 FOOT ACROSS THE INLET AND OUTLET INVERTS
FROM EACH OTHER. DETECTOR TAPE SHALL BE INSTALLED AT ALL INDIVIDUAL SERVICES AS SHOWN IN AUD-DETAILS, AND SHALL
NOT BE INSTALLED UNDER DRIVEWAYS OR ANY PAVED AREAS. ALL WASTEWATER SERVICES SHALL BE INSTALLED
SERVICE LINES TO SANITARY SEWER MAIN SHALL BE BEDDED PER THESE AUD SPECIFICATIONS AND AUD DETAILS.
SANITARY SEWER INFILTRATION SHALL NOT EXCEED 10 GPD/INCH OF PIPE DIAMETER PER MILE.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING ALL EXISTING AND PROPOSED SERVICES. IF PAYMENT
NO CURB IS AVAILABLE, AND HIGHLIGHT THE ETCHING WITH GREEN PAINT PER THE APWA UNIFORM COLOR CODE.
FINISHED FLOOR ELEVATIONS OF ALL PROPOSED BUILDINGS SHALL BE A MINIMUM OF FIVE (5) FEET ABOVE THE INVERT
ELEVATION OF THE NEAREST SANITARY SEWER MAIN. DETECTOR TAPE SHALL BE INSTALLED IN INSTANCES WHERE THIS IS NOT
POSSIBLE, A BACKWATER VALVE SHALL BE INSTALLED IN THE SEWER SERVICE.



CRANSTON

[illegible]

F&E Ops Building

Legend & General Notes

| | |
|--------------|-------------------|
| DRAWN BY: | MAB |
| CHECKED BY: | SMS |
| APPROVED BY: | RBT |
| DATE: | FEBRUARY 24, 2022 |
| SCALE: | NO SCALE |
| JOB No. | 2021-0671 |
| DRAWING No. | |

C101

[illegible]

F&E Ops Building

Existing Conditions & Demolition Plan

| | |
|--------------|-------------------|
| DRAWN BY: | MAB |
| CHECKED BY: | SMS |
| APPROVED BY: | RBT |
| DATE: | FEBRUARY 24, 2022 |
| SCALE: | 1" = 20' |
| JOB No. | 2021-0671 |
| DRAWING No. | |

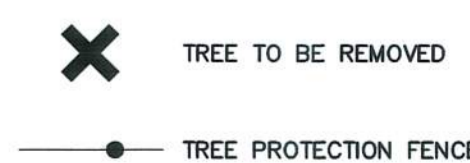
C200



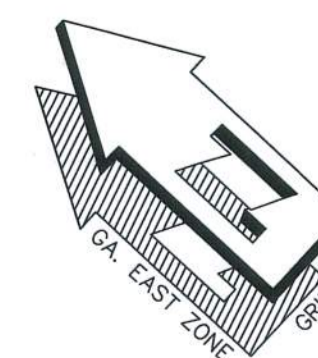
GENERAL DEMOLITION NOTES

- ITEMS TO BE DEMOLISHED ARE TO BE SHOWN AS BOLD, OUTLINED IN BOLD, OR DESCRIBED HEREIN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THAT ALL EXISTING PILES, FOOTINGS, SLABS, DEBRIS, ETC., THAT MAY CONFLICT WITH THE PROPOSED CONSTRUCTION HAVE BEEN REMOVED. DEMOLITION INCLUDES REMOVAL OF ALL MATERIAL THAT MAY CONFLICT WITH THE PROJECT AT A MINIMUM OF 10% OF THE PROJECT SITE.
- CONTRACTOR IS TO COORDINATE DEMOLITION OF GAS, TELEPHONE, TELEVISION, AND POWER UTILITIES WITH RESPECTIVE COMPANIES.
- IF CONTRACTOR ENCOUNTERS ANY SUSPICIOUS, POSSIBLY HAZARDOUS MATERIALS, HE SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE.
- THE DEMOLITION OF EXISTING BUILDINGS SHALL CONFORM TO ALL LOCAL, STATE, & FEDERAL REGULATIONS PERTAINING TO SUCH WORK. ALL MATERIAL SHALL BE DISPOSED OFFSITE. NO MATERIAL SHALL BE REUSED.
- ALL EXISTING WATER SERVICES SHALL BE CAPPED AND METERS RETURNED TO AUGUSTA UTILITIES DEPARTMENT.
- ALL EXISTING SEWER SERVICES SHALL BE CAPPED.
- IF GRANITE CURB IS REMOVED, THE CONTRACTOR SHALL HANDLE WITH CARE TO PREVENT CHIPPING OR BREAKING. ALL GRANITE CURB SHALL BE DELIVERED TO THE CITY OF AUGUSTA AT A LOCATION DETERMINED BY THE ENGINEERING DEPARTMENT'S REPRESENTATIVE.
- TREE, SHrub, AND VEGETATION REMOVAL IS A FAVORABLE PRACTICE AND GRUBBING. THE REMOVAL OF ALL VEGETATION INCLUDES THE ROOTS AND ASSOCIATED ORGANIC MATTER.
- WHEN TREES AND OTHER VEGETATION ARE REMOVED, THE CONTRACTOR SHALL FILL THE VOID WITH SELECT FILL, APPROVED BY THE OWNER'S REPRESENTATIVE, AND COMPACTED TO A MINIMUM OF 98% MODIFIED PROCTOR DENSITY. FILL AT OPTIMUM MOISTURE UNLESS MORE STRINGENT REQUIREMENTS ARE SHOWN ELSEWHERE ON PLANS.

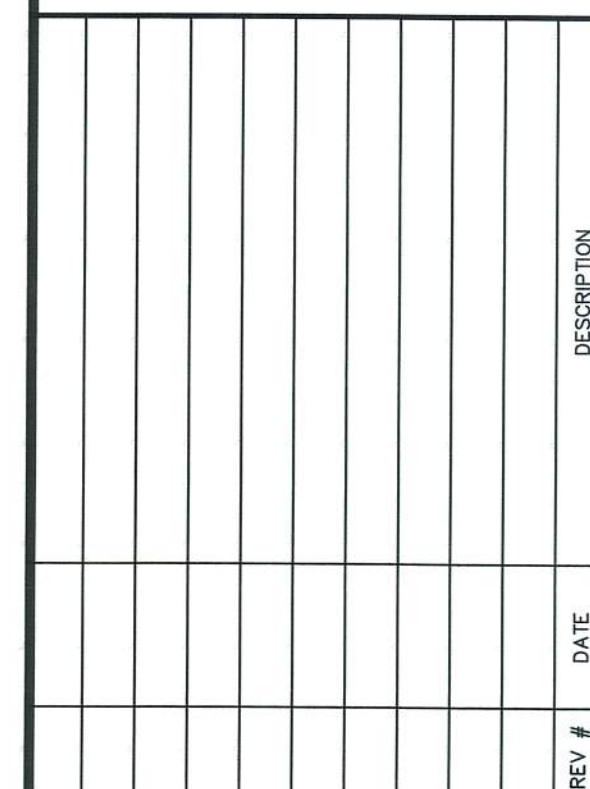
LEGEND



PLAN
HORIZONTAL SCALE 1"=20'

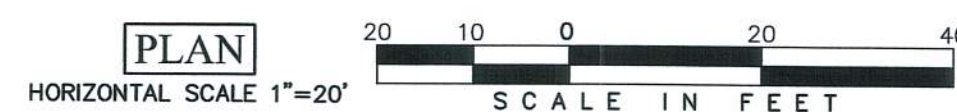


Know what's below.
Call before you dig.



Grading & Drainage Plan

C301



GSWCC AND NPDES NOTES:

PROJECT NAME: F&E OPS BUILDING
ADDRESS: 2604 WASHINGTON RD
CITY/COUNTY: AUGUSTA/AUGUSTA-RICHMONDZIP CODE 30904
DATE ON PLANS: FEBRUARY 24, 2022

☒ GAR 100001 STAND ALONE ☐ GAR 100002 INFRASTRUCTURE ☐ GAR 100003 COMMON DEVELOPMENTS

- THE APPLICABLE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN CHECKLIST ESTABLISHED BY THE COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED.
- LEVEL II CERTIFICATION: NAME: BANKS TATE, P.E. NO# 52948 EXP. DATE: 05/01/23
- 24 HOUR CONTACT: W.BRAD OWEN
706-829-9368
WBOWEN@AUGUSTANATIONAL.COM
- PRIMARY PERMITTEE: AUGUSTA NATIONAL GOLF CLUB
2604 WASHINGTON RD
AUGUSTA GA, 30904
706-829-9368
CLIENT EMAIL
- TOTAL DISTURBED ACREAGE OF THIS PROJECT: 0.50 ACRES
TOTAL PROJECT ACREAGE: 0.50 ACRES
- CONSTRUCTION EXIT: N33.497098
W82.016748
- THE INITIAL DATE ON PLANS IS FEBRUARY 24, 2022. REVISIONS ARE TO BE RESUBMITTED TO THE LOCAL ISSUING AUTHORITY, THE ENTITY REQUESTING THE REVISIONS, THE DATE THE CHANGE WAS MADE, AND THE NATURE OF THE CHANGE WILL BE DENOTED IN THE DESIGNATED AREA ON THE PLAN SHEET.
- NATURE OF CONSTRUCTION ACTIVITY: CONSTRUCTION OF GOLF COURSE AMENITIES.
- VICINITY MAP IS PROVIDED ON SHEET C100.
- PROJECT RECEIVING WATERS:
RECEIVING: RAE'S CREEK
ULTIMATE: SAVANNAH RIVER

11. "I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION."

R. Banks Tate
LEVEL II CERTIFICATION: NAME: BANKS TATE, P.E. NO# 52948 EXP. DATE: 05/01/23

12. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

13. THERE ARE NO BUFFER ENCROACHMENTS ON THIS PROJECT. IF YES, REFER TO SHEET(S) N/A FOR BUFFER DESCRIPTIONS.

14. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

15. 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.

16. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14-DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

17. BMPs FOR THE REMEDIATION OF ALL PETROLEUM SPILLS AND LEAKS:
LOCAL, STATE, AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO ALL ON-SITE PERSONNEL.

MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDE, BUT IS NOT LIMITED TO: BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST, AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.

SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.

ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL STATE, AND FEDERAL REGULATIONS.

FOR SPILLS THAT IMPACT SURFACE WATER (I.E. LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24-HOURS AT 1-(800)-426-2675.

FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24-HOURS AT 1-(800)-426-2675.

FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA ENVIRONMENTAL PROTECTION DIVISION (EPA) WILL BE CONTACTED WITHIN 24-HOURS. GA. EPA (404) 656-4863 OR (800)-241-4113 AND THE NATIONAL RESPONSE CENTER AT (800)-424-8802

FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1,320 GALLONS OF PETROLEUM IS STORED ON-SITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. IN SUCH A CASE, THE CONTRACTOR WILL NEED A SPILL PREVENTION, CONTAINMENT, AND COUNTERMEASURES PLAN PREPARED BY A LICENSED PROFESSIONAL.

18. SEE SHEET C500 FOR DETAILED TIMELINE OF MAJOR CONSTRUCTION ACTIVITIES.

19. GRAPHIC SCALE AND NORTH ARROW PROVIDED ON PLAN SHEETS C100, C200, C300, C301, C302, C303, C500 & C501.

20. THE CONTOUR INTERVAL ON PLAN SHEET C301 IS 1'.

21. ARE ALTERNATE BMPs TO BE USED ON THIS PROJECT: NO

22. THE 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 CAN BE FOUND ON PLAN SHEET(S) N/A.

23. THE DELINEATION OF ALL ON-SITE WETLANDS AND ALL STATE WATERS LOCATED WITHIN 200 FEET OF THE PROJECT SITE, IF APPLICABLE, CAN BE FOUND ON PLAN SHEET(S) N/A.

24. DELINEATION AND ACREAGE OF CONTRIBUTING DRAINAGE BASINS ON THE PROJECT SITE CAN BE FOUND ON THE PLAN SHEET(S) SEE HYDROLOGY REPORT.

25. ESTIMATE OF RUNOFF COEFFICIENT OF THE SITE PRIOR TO AND AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED: PRE: 0.35 POST: 0.60

26. STORM DRAIN PIPE AND WEIR VELOCITIES WITH APPROPRIATE OUTLET PROTECTION:
STORM DRAIN PIPE Q, V, L, W, D, AND SIZE PROVIDED ON SHEET C500.

27. SOIL SERIES FOR THE PROJECT SITE AND THEIR DELINEATION IS PROVIDED ON SHEET C500.

28. THE LIMITS OF DISTURBANCE FOR EACH PHASE OF CONSTRUCTION IS PROVIDED ON PLAN SHEETS C200, C300, C301, C302, & C303.

29. SEE CALCULATIONS PROVIDED ON THIS SHEET FOR SEDIMENT STORAGE REQUIREMENTS.

30. THE LOCATION OF BEST MANAGEMENT PRACTICES ARE CONSISTENT WITH AND NO LESS STRINGENT THAN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. UNIFORM CODING SYMBOLS FROM THE MANUAL, CHAPTER 6, WITH LEGEND ARE PROVIDED ON SHEETS C501, C501, C501 & C502 & C503.

31. DETAILED DRAWINGS FOR ALL STRUCTURAL PRACTICES ARE PROVIDED ON SHEET(S) C503 & C600.

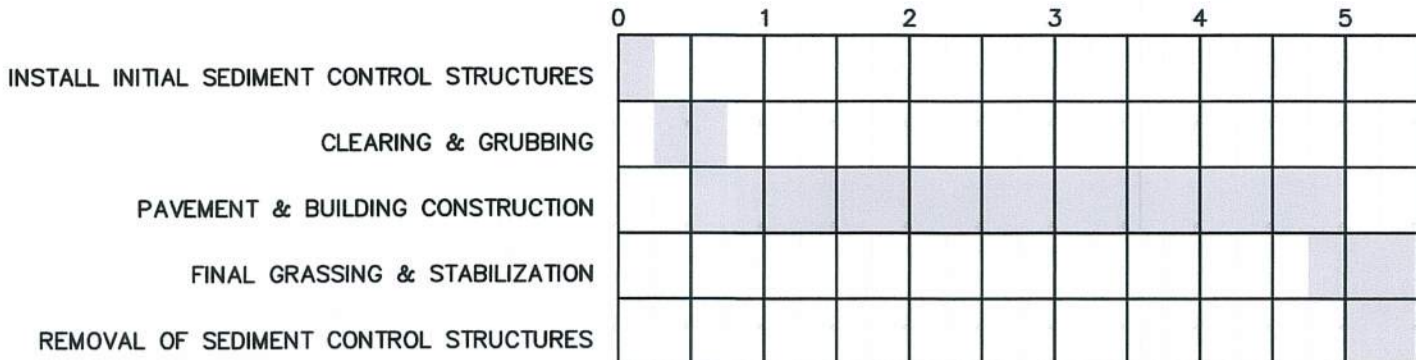
32. VEGETATIVE PRACTICES:

- SEPTEMBER 15 - FEBRUARY 15, A MIXTURE OF UNHULLED COMMON BERMUDA 6 LBS./ACRE AND RYE GRASS SEED 28 LBS./ACRE APPLIED SIMULTANEOUSLY.
- OCTOBER 1 - MARCH 1, UNHULLED COMMON BERMUDA 10 LBS./ACRE.
- APRIL 1 - JUNE 1, HULLED COMMON BERMUDA 10 LBS./ACRE.
- FERTILIZER GRADE WILL BE A COMMERCIAL 6-12-12 INCORPORATED INTO THE SOIL AT 1500 LBS./ACRE, ALSO 1500 LBS. DOLOMITIC LIME.
- NOT LESS THAN 30 DAYS AFTER SEEDING, APPLY AMMONIUM NITRATE (NOT LESS THAN 20% NITRATE) AT A RATE EQUAL TO 60 LBS. OF AVAILABLE NITROGEN /ACRE. APPLICATION BETWEEN JUNE THRU AUGUST.
- ALL SEEDING AREAS WILL BE MULCHED WITH STRAW OR HAY MULCH AT A RATE OF 2.5 TONS/ACRE.
- FOR ALL DATES NOT COVERED UNDER THE GRASSING SCHEDULE THE DISTURBED SOIL SHALL BE TEMPORARILY STABILIZED USING POLYACRYLAMIDE.
- CONTRACTOR TO ENSURE THAT EXISTING ON-SITE VEGETATION OUTSIDE THE LIMITS OF CONSTRUCTION IS PRESERVED AND THAT ALL DISTURBED PORTIONS OF THE SITE ARE STABILIZED.
- ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.

APPROXIMATE START DATE: MAY 2022

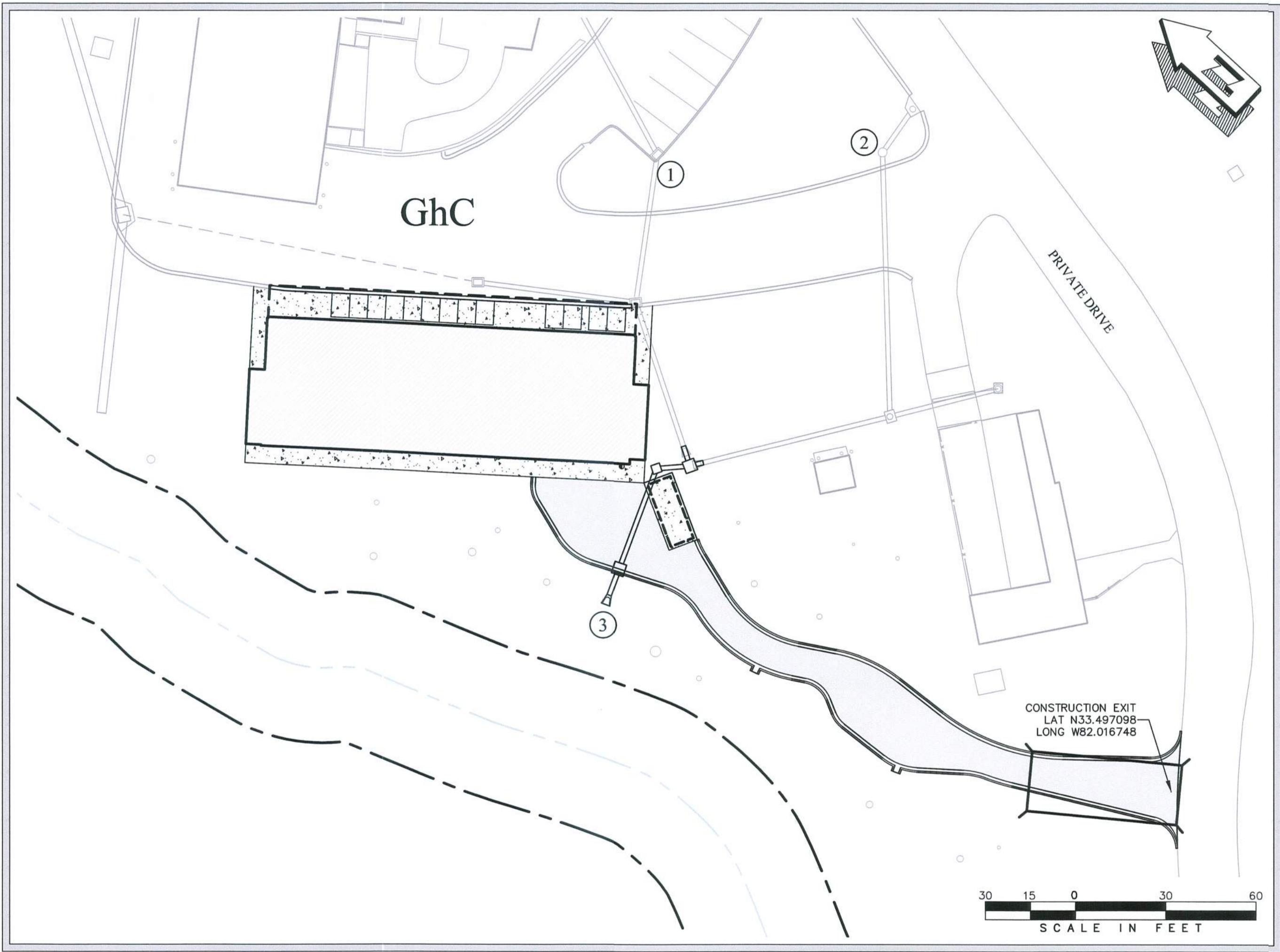
APPROXIMATE FINISH DATE: SEPTEMBER 2022

MONTHS OF CONSTRUCTIONS ACTIVITIES



NOTES:

- ALL DISTURBED AREAS NOT INTENDED FOR PAVING SHALL BE STABILIZED USING TEMPORARY MEASURES Ds2 AND PERMANENT MEASURES Ds3.



MONITORING PLAN & SOILS MAP

1"=30'

MONITORING POINTS

MONITORING POINT LOCATIONS ARE SHOWN ABOVE:

- UPSTREAM MONITORING POINT (EXISTING STORM BOX)
- UPSTREAM MONITORING POINT (EXISTING STORM BOX)
- DOWNSTEAM MONITORING POINT (PROPOSED FES OUTFALL)

SOILS

GhC

GEORGEVILLE-URBAN LAND COMPLEX,
2 TO 8 PERCENT SLOPES



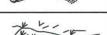
F&E Ops Building

Erosion Control Notes &
Monitoring Plan

DRAWN BY: MAB
CHECKED BY: SMS
APPROVED BY: RBT
DATE: FEBRUARY 24, 2022
SCALE: AS SHOWN
JOB No. 2021-0671
DRAWING No.

C500

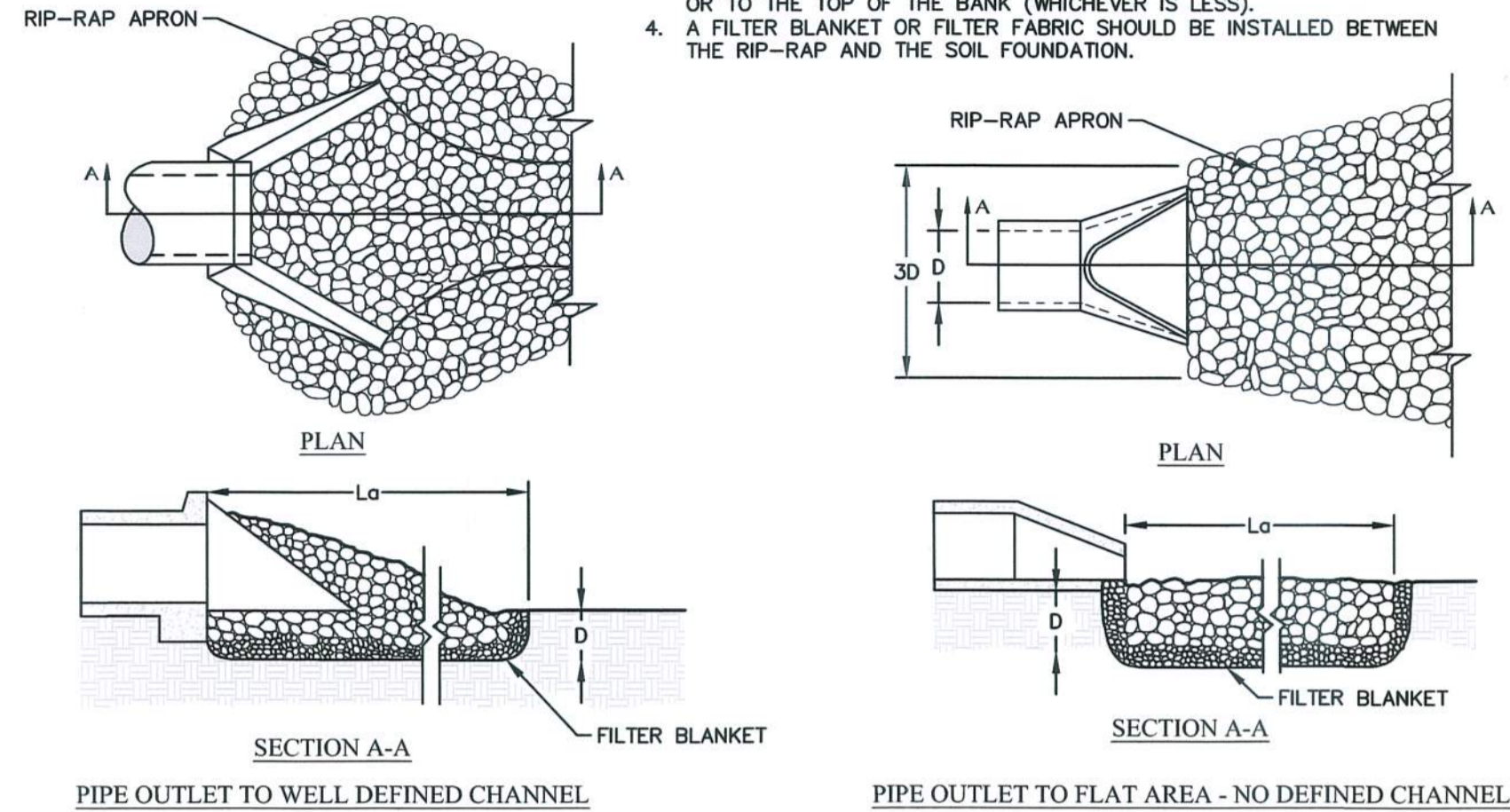
| CODE | PRACTICE | DETAIL | MAP SYMBOL | DESCRIPTION |
|------|-------------------------------|---|---|--|
| Co | CONSTRUCTION EXIT |  |  | A CRUSHED STONE PAD LOCATED AT THE CONSTRUCTION SITE EXIT TO PROVIDE A PLACE FOR REMOVING MUD FROM TIRES THEREBY PROTECTING PUBLIC STREETS. |
| Cw | CONCRETE WASHDOWN |  |  | EXCAVATED AREA MARKED WITH ORANGE FENCING USED FOR CONCRETE WASHDOWN OF TOOLS & CHUTES. |
| 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 SILT FENCE. |
| Sd2 | INLET SEDIMENT TRAP |  |  | A TEMPORARY PROTECTIVE DEVICE FORMED AT OR AROUND AN INLET TO A STORM DRAIN TO TRAP SEDIMENT |
| 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. |

| CODE | PRACTICE | DETAIL | MAP SYMBOL | DESCRIPTION |
|------------|--|---|------------|--|
| Ds1 | DISTURBED AREA STABILIZATION (WITH MULCHING ONLY) |  | Ds1 | ESTABLISHING TEMPORARY PROTECTION FOR DISTURBED AREAS WHERE SEEDLINGS MAY NOT HAVE A SUITABLE GROWING SEASON TO PRODUCE EROSION RETARDING COVER. |
| Ds2 | DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING) |  | Ds2 | ESTABLISHING A TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDLINGS ON DISTURBED AREAS. |
| Ds3 | DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION) |  | Ds3 | ESTABLISHING PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, SOD, OR LEGUMES ON DISTURBED AREA. |
| Du | DUST CONTROL ON DISTURBED AREAS |  | Du | CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITE, ROADWAYS AND SIMILAR SITES. |

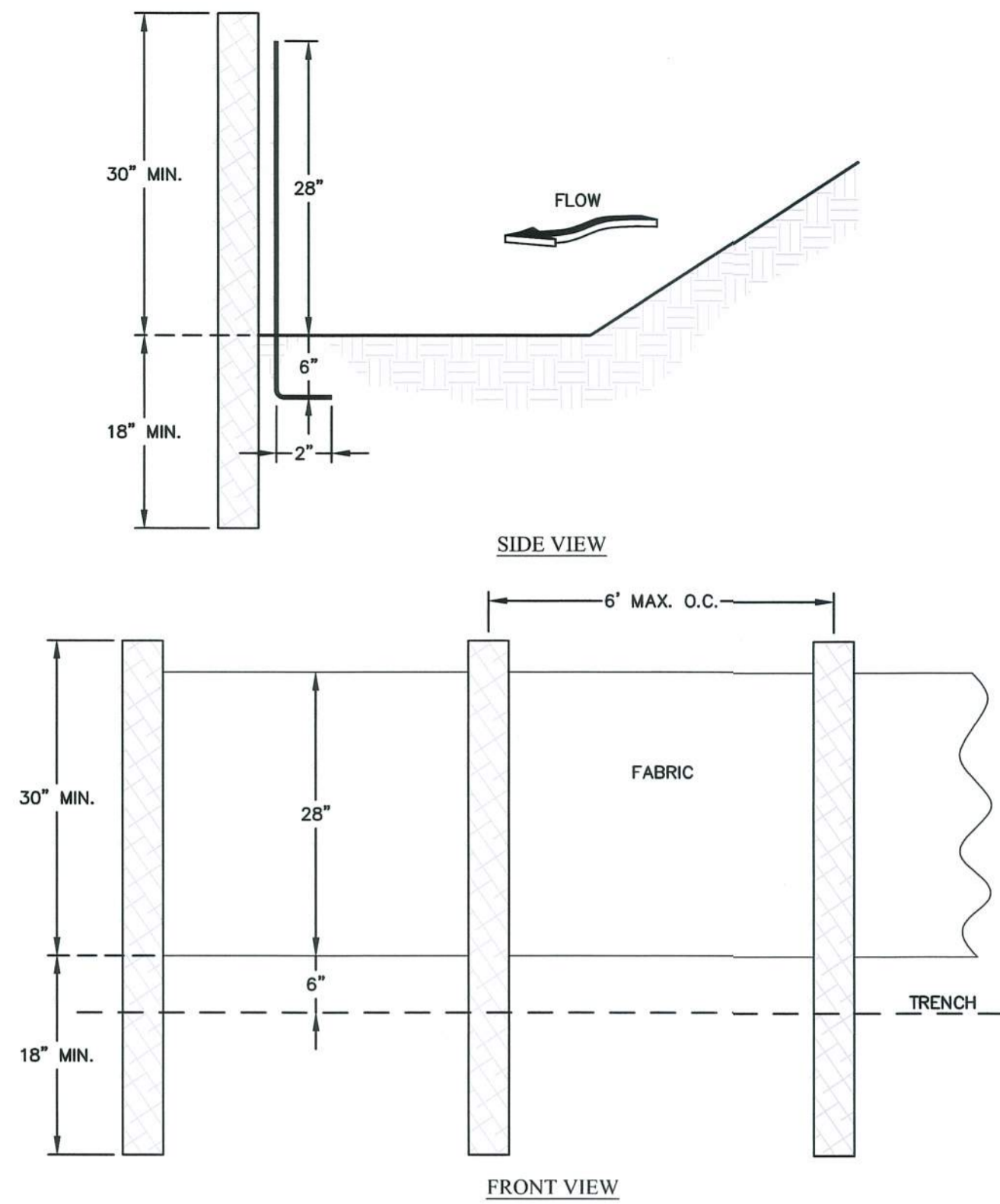
| STRUCTURE & TYPE | PIPE SIZE (INCHES) | Q FULL (CFS) | PIPE VELOCITY (FEET/SEC.) | PIPE OUTLET RIP-RAP DIMENSIONS | | |
|---------------------|-----------------------|-----------------|------------------------------|--------------------------------|-----------------------------------|--------------------------|
| | | | | SIZE d50 (FEET) | DEPTH (D) dmax X 1.5 (FEET) | LENGTH (FEET) (La) |
| FES A1 | X | X | X | X | X | X |

NOTES:

1. Lo IS THE LENGTH OF THE RIP-RAP APRON.
2. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
3. IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK (WHICHEVER IS LESS).
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIP-RAP AND THE SOIL FOUNDATION.

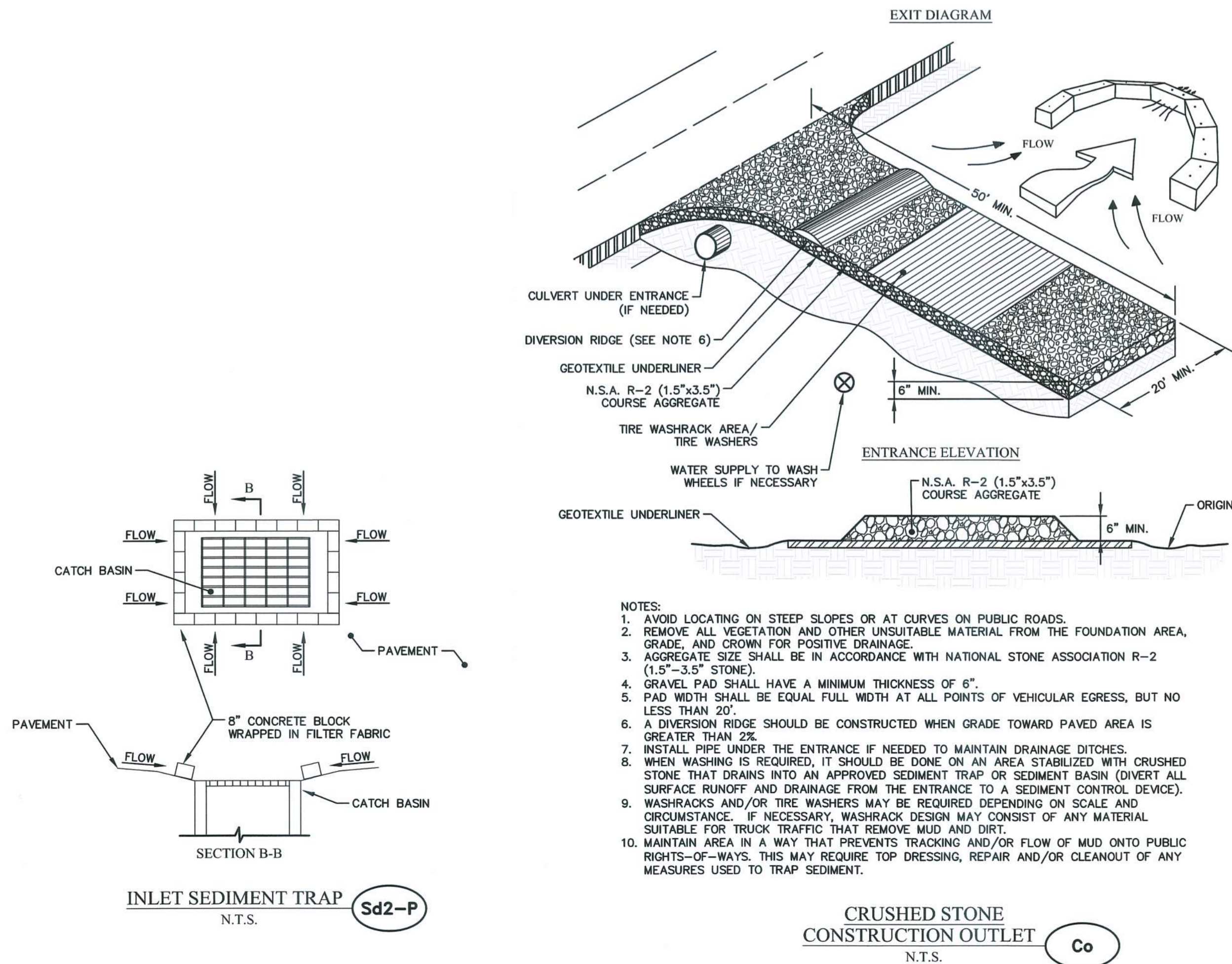


RIP-RAP OUTLET PROTECTION **St**
N.T.S.



NOTES:
1. STEEL OR DOT APPROVED WOOD POSTS.

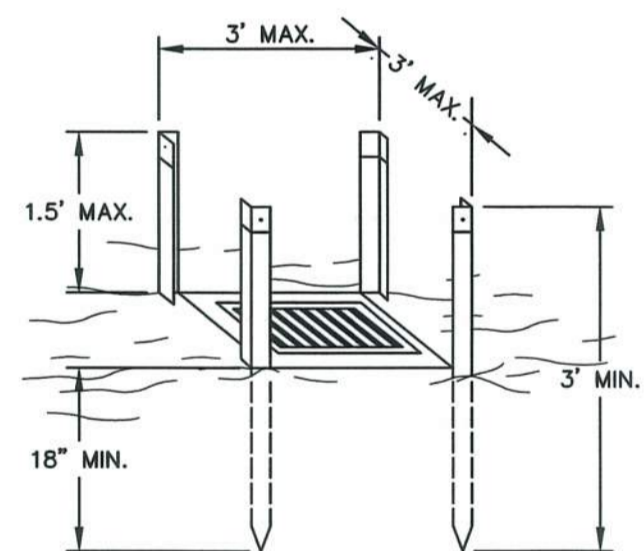
SILT FENCE - TYPE A
N.T.S.



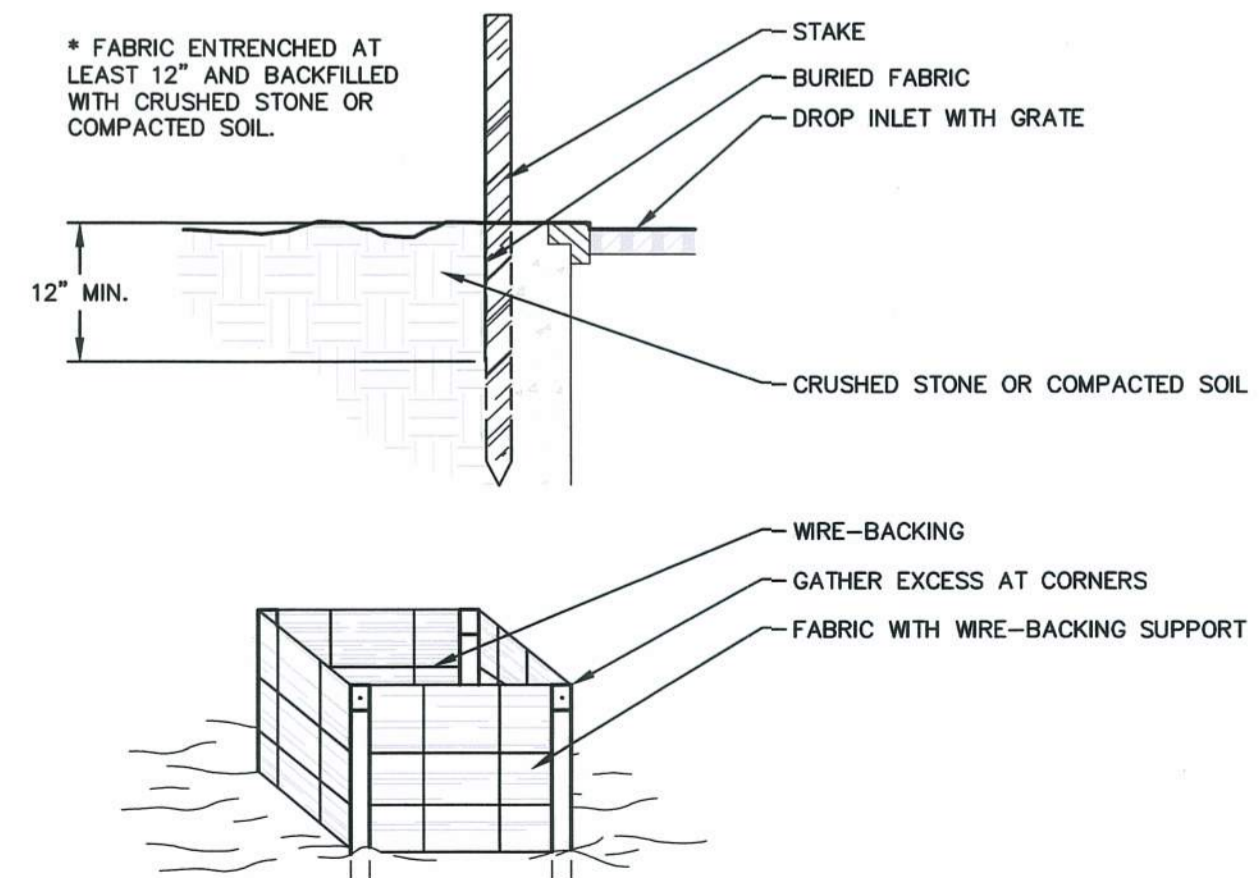
STEEL FRAME AND SILT FENCE INSTALLATION

NOTES:

1. DESIGN IS FOR SLOPES NO GREATER THAN 5% (NOT DESIGNED FOR CONCENTRATED FLOWS).
2. THE STEEL POSTS SUPPORTING THE SILT FENCE MATERIAL SHOULD BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET (MAXIMUM OF 3' APART).
3. THE STEEL POSTS SHOULD BE SECURELY DRIVEN AT LEAST 18" DEEP.
4. THE FABRIC SHOULD BE ENTRENCHED AT LEAST 12" AND THEN BACKFILLED WITH CRUSHED STONE OR COMPACTED SOIL.



* FABRIC ENTRENCHED AT
LEAST 12" AND BACKFILLED
WITH CRUSHED STONE OR
COMPACTED SOIL.



FABRIC AND SUPPORTING FRAME FOR
INLET PROTECTION
N.T.S.

The logo for the Georgia Solid and Water Conservation Commission (GSWCC) is located in the top left corner. It features a stylized graphic of a water drop with a recycling symbol inside, followed by the acronym 'GSWCC' in large, bold, sans-serif capital letters. Below the acronym, the full name 'GEORGIA SOLID AND WATER CONSERVATION COMMISSION' is written in a smaller, all-caps, sans-serif font.



CRANSTON

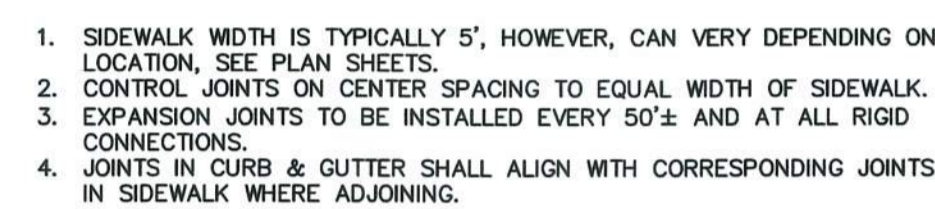
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F&E Ops Building

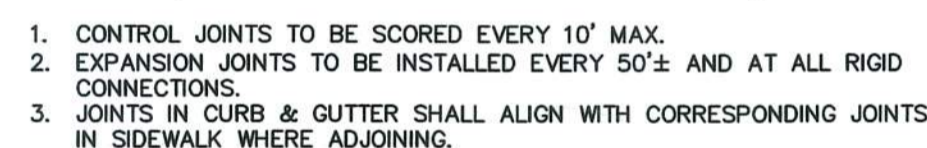
Erosion Control Details

| | |
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| DRAWN BY: | MAB |
| CHECKED BY: | SMS |
| APPROVED BY: | RBT |
| DATE: | FEBRUARY 24, 2022 |
| SCALE: | AS SHOWN |
| JOB No. | 2021-0671 |

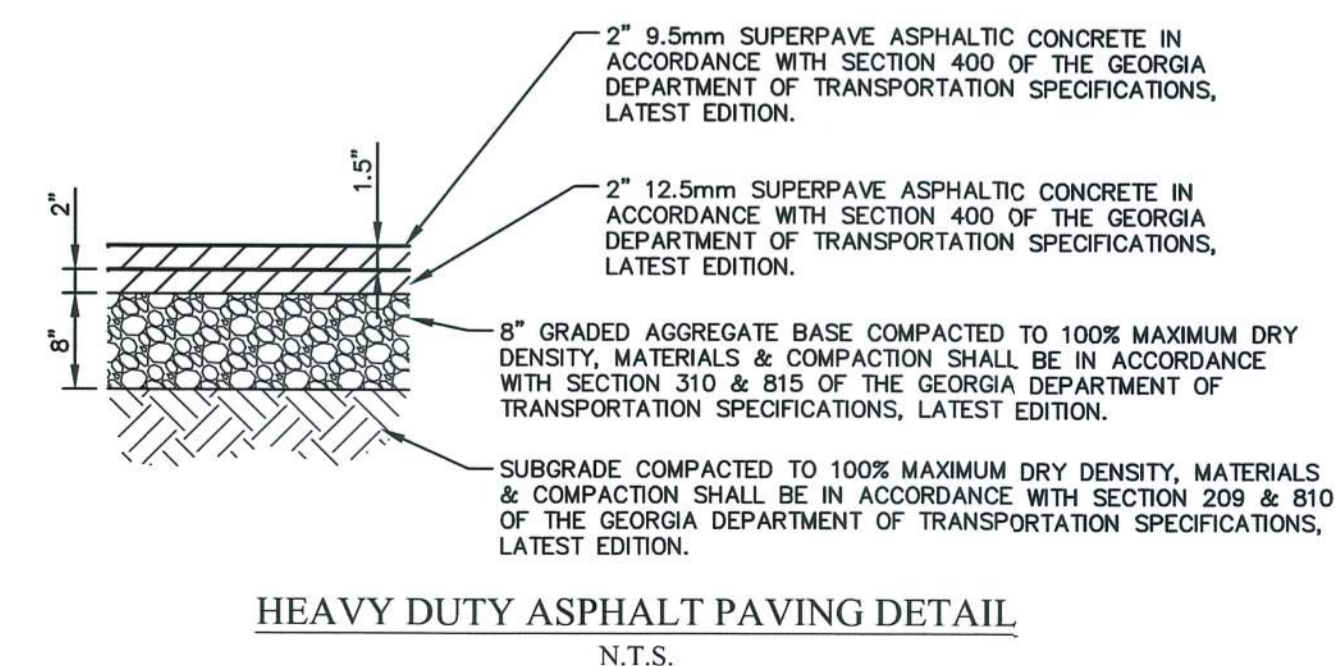
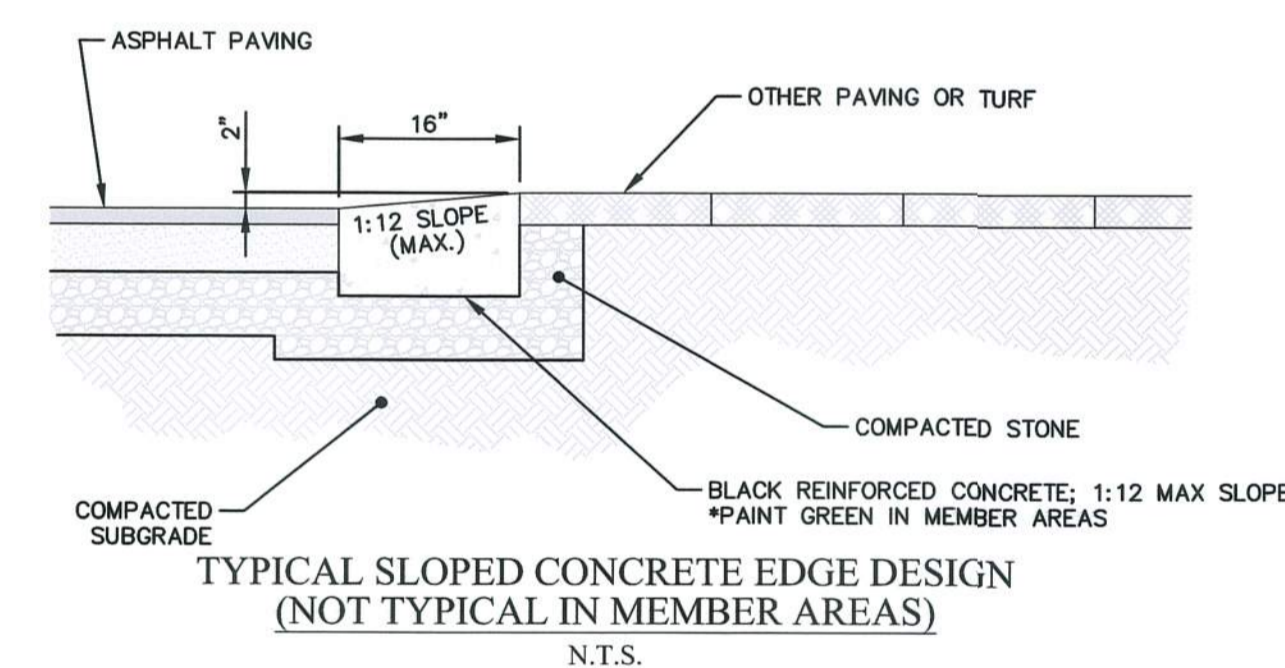
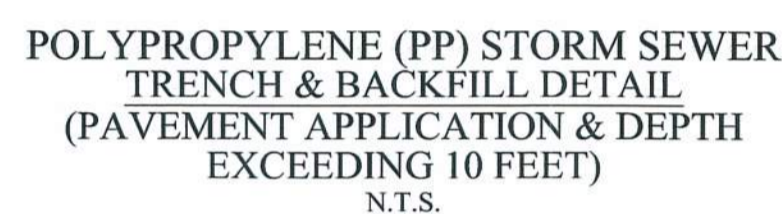
C502

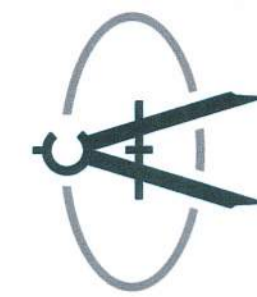
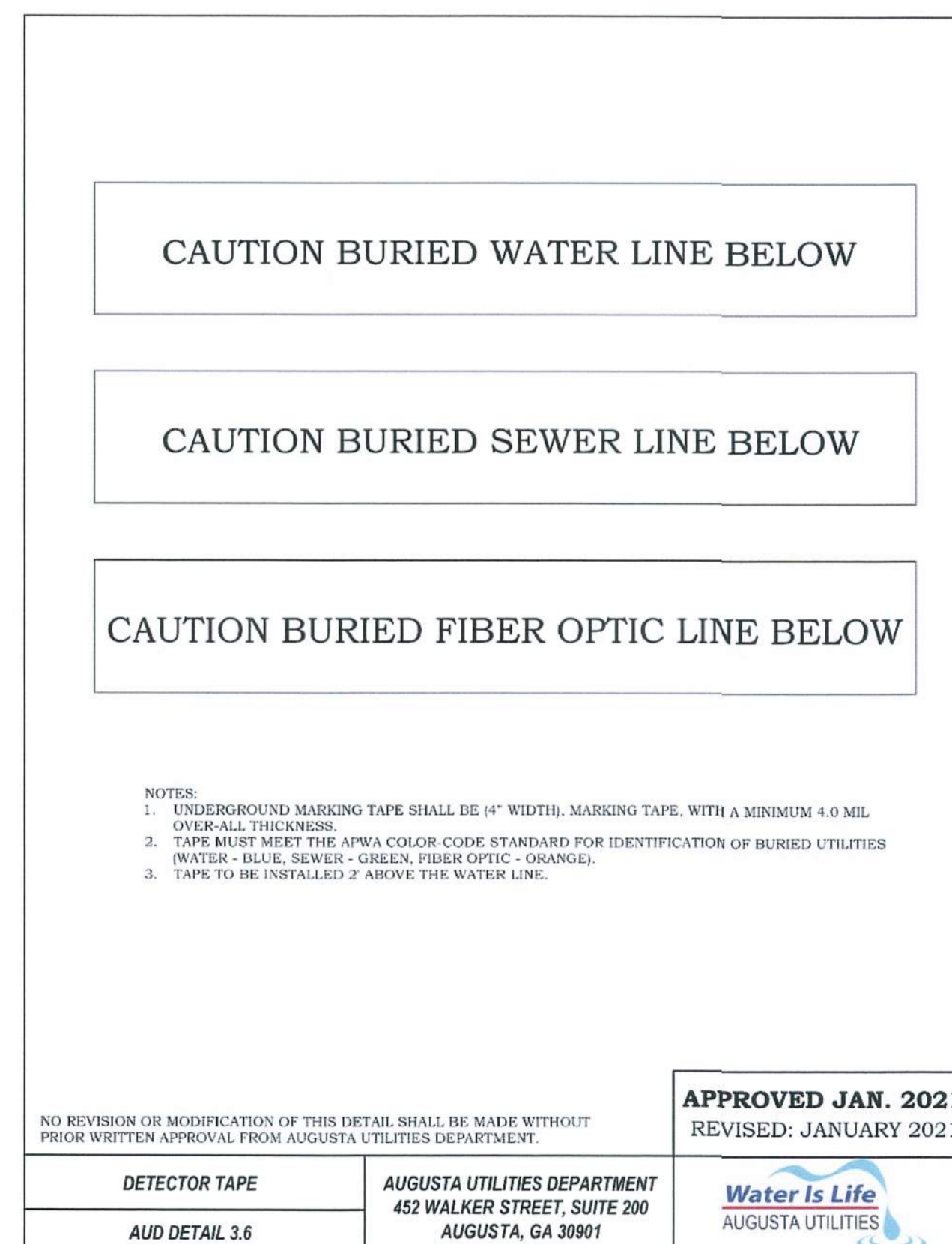
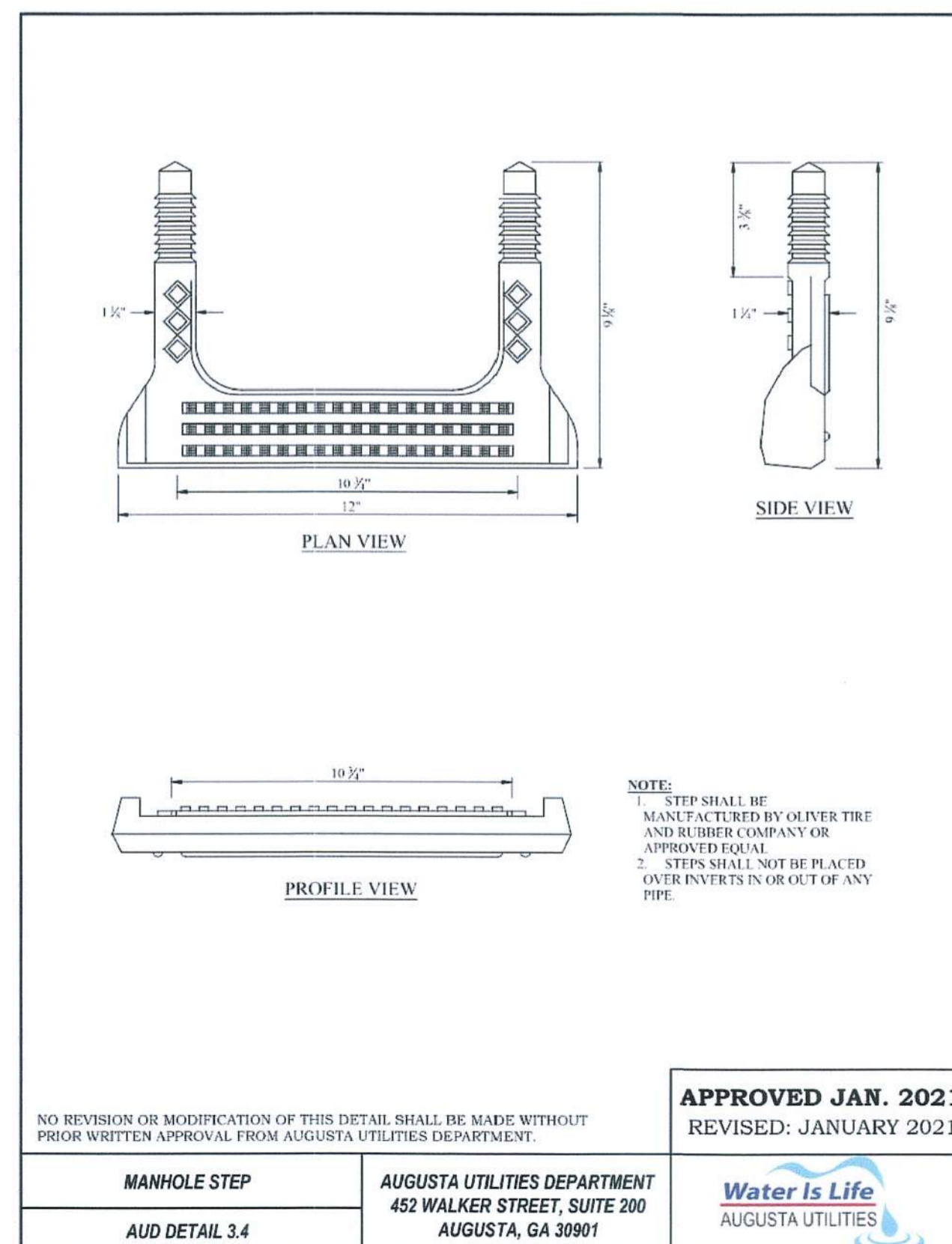
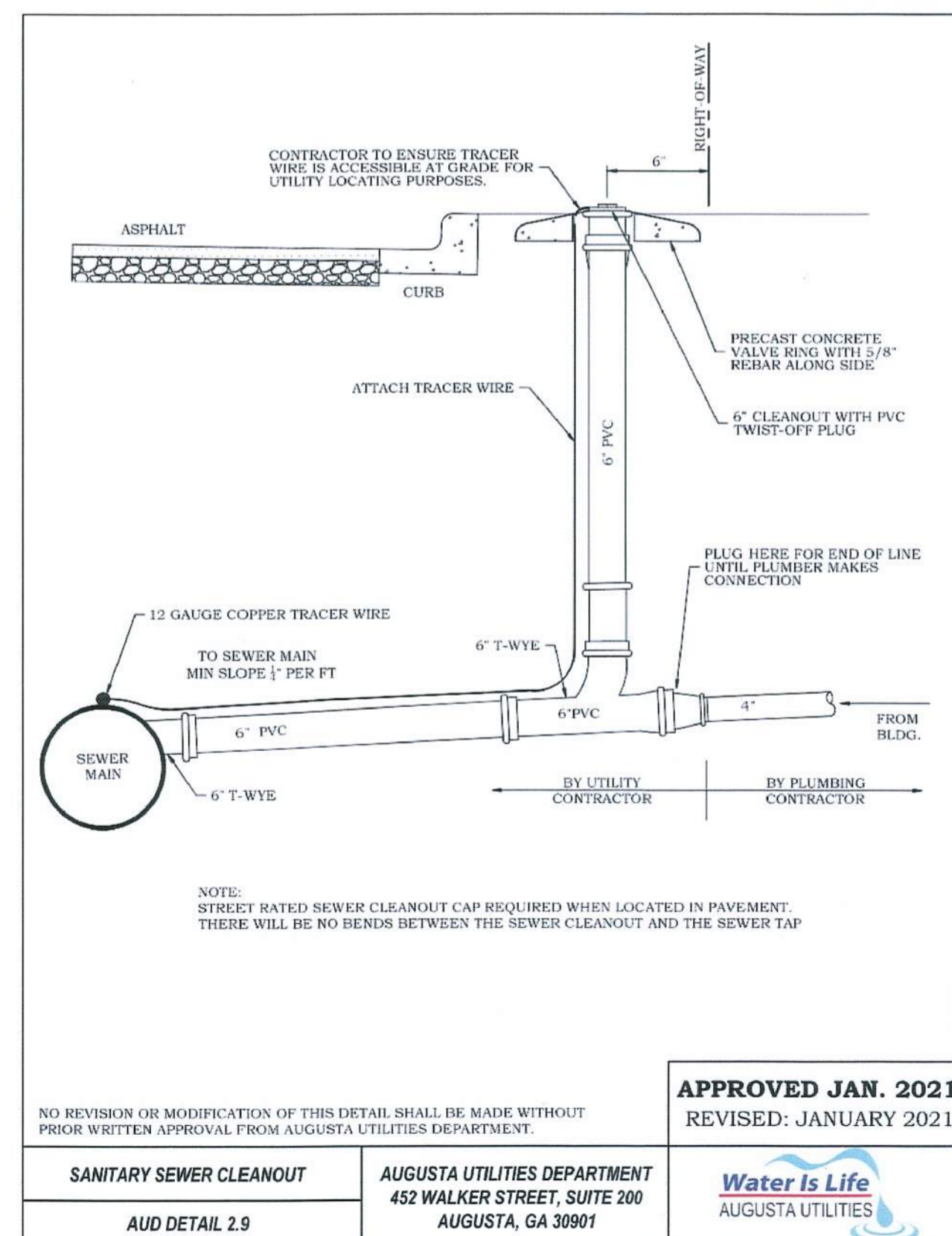
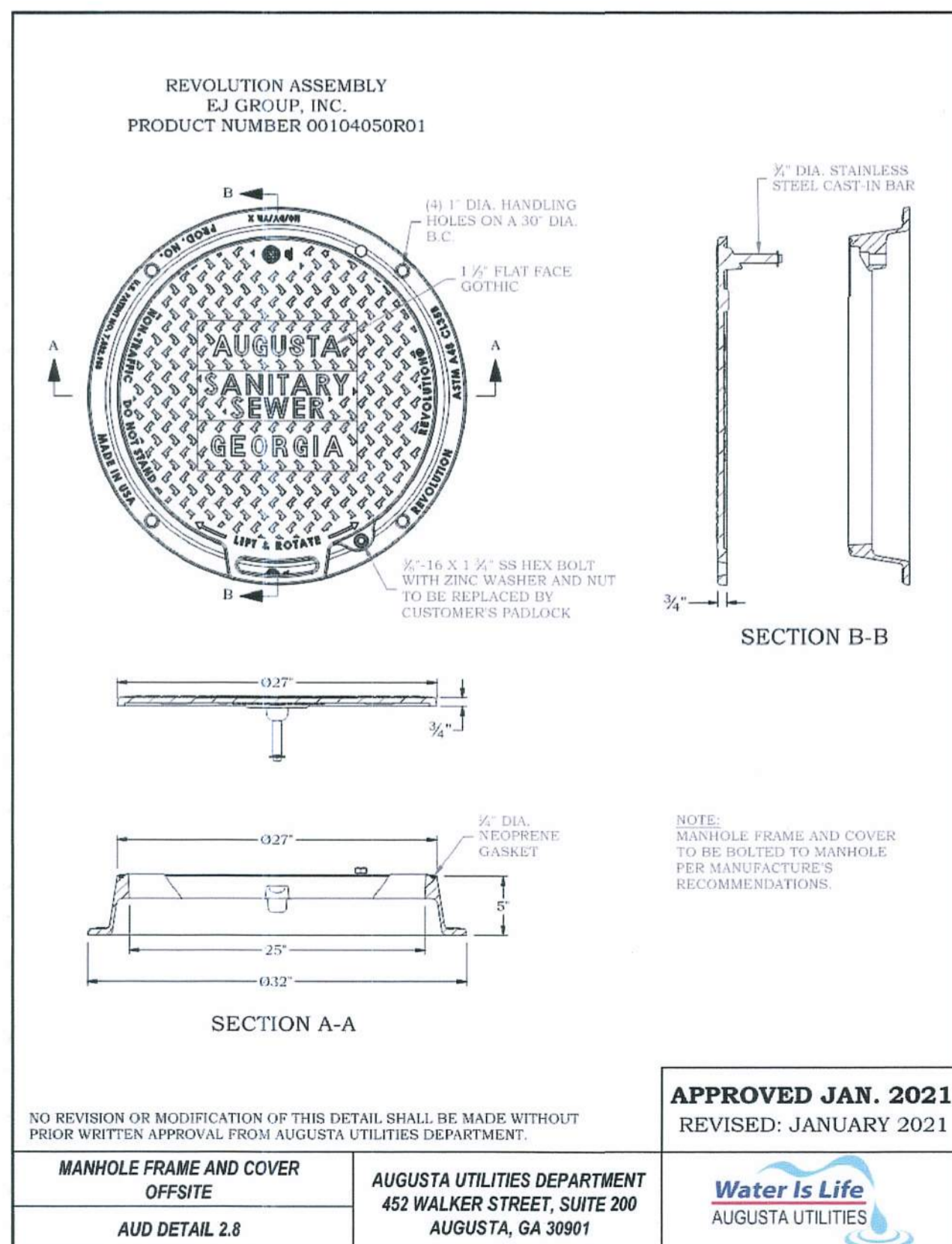
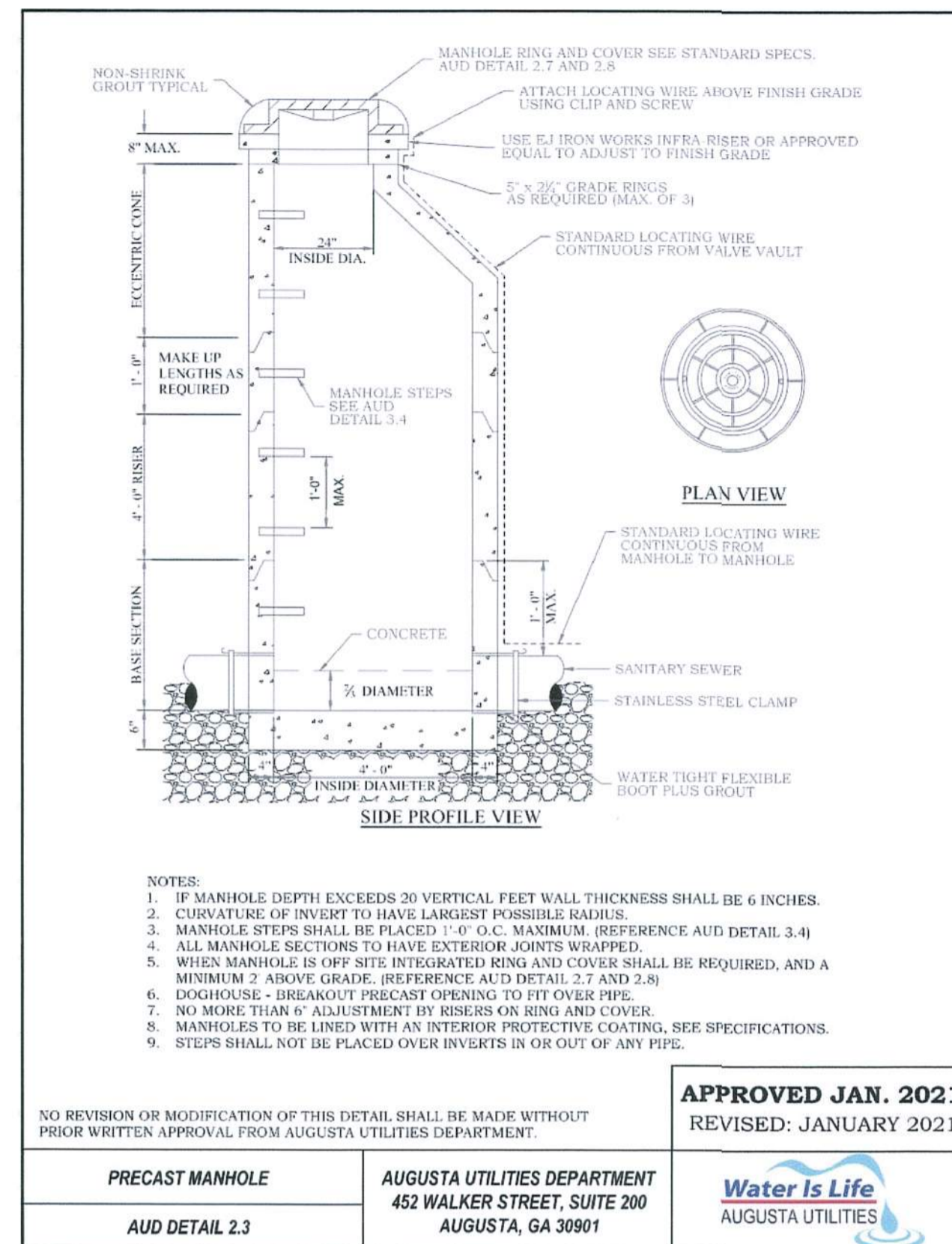
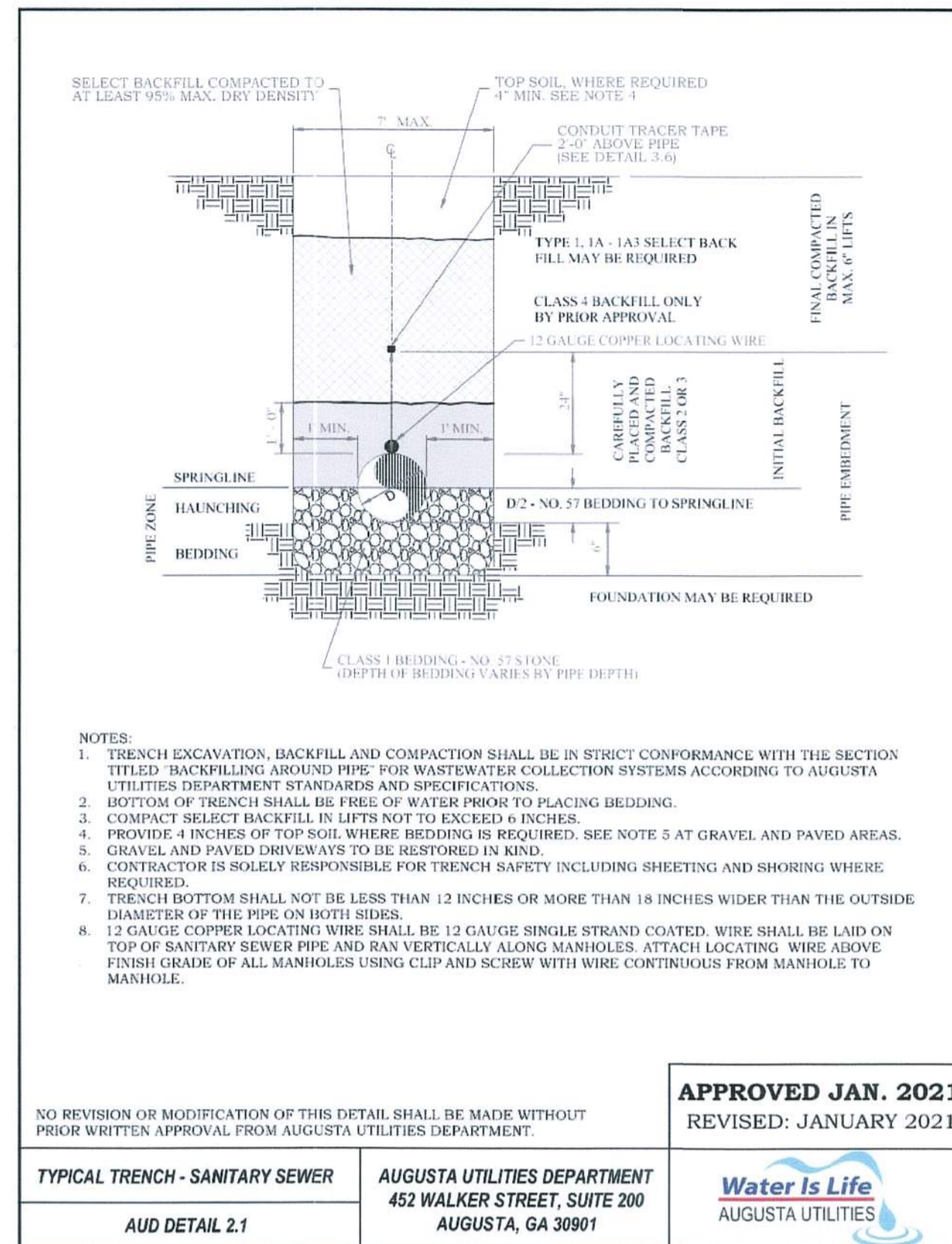
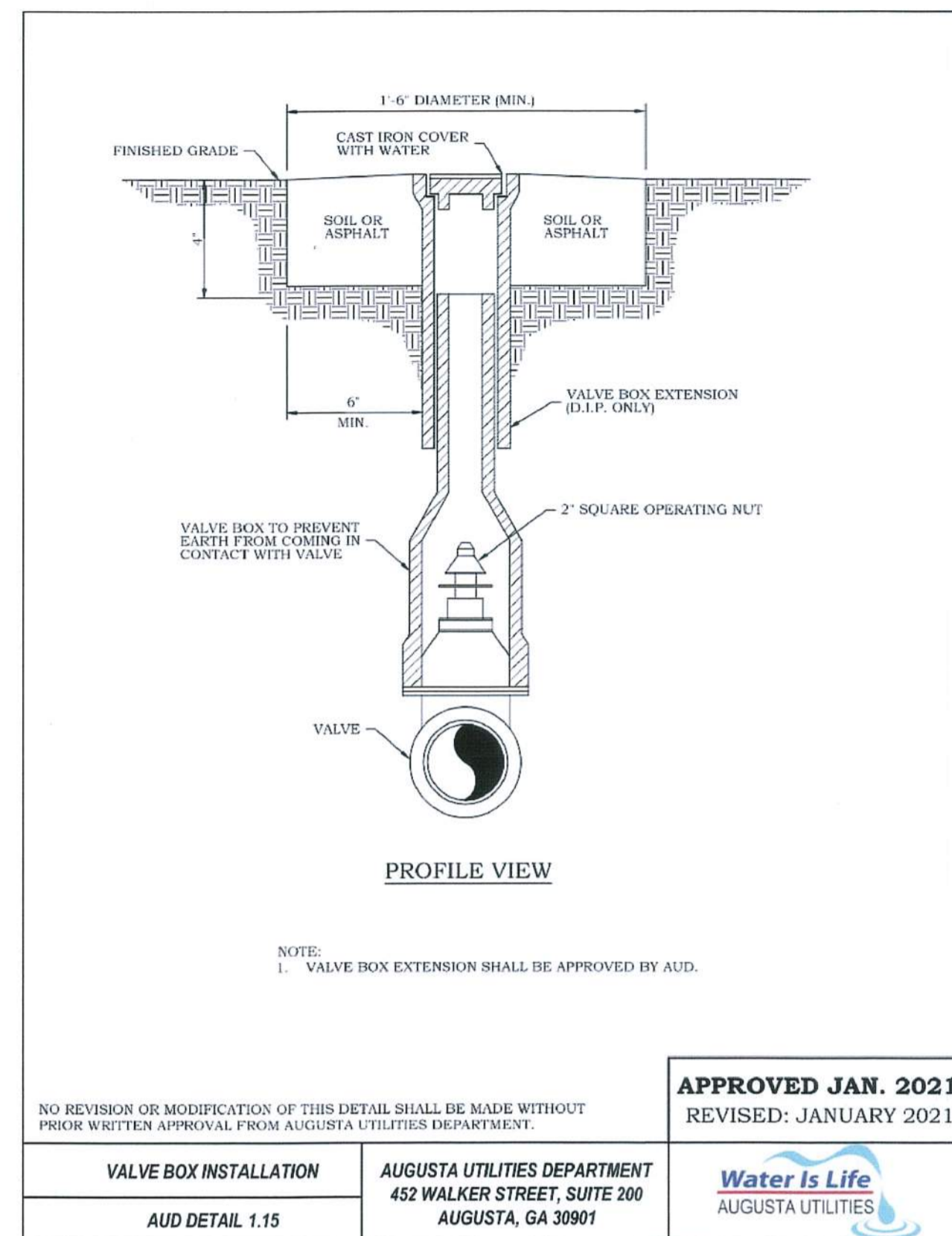
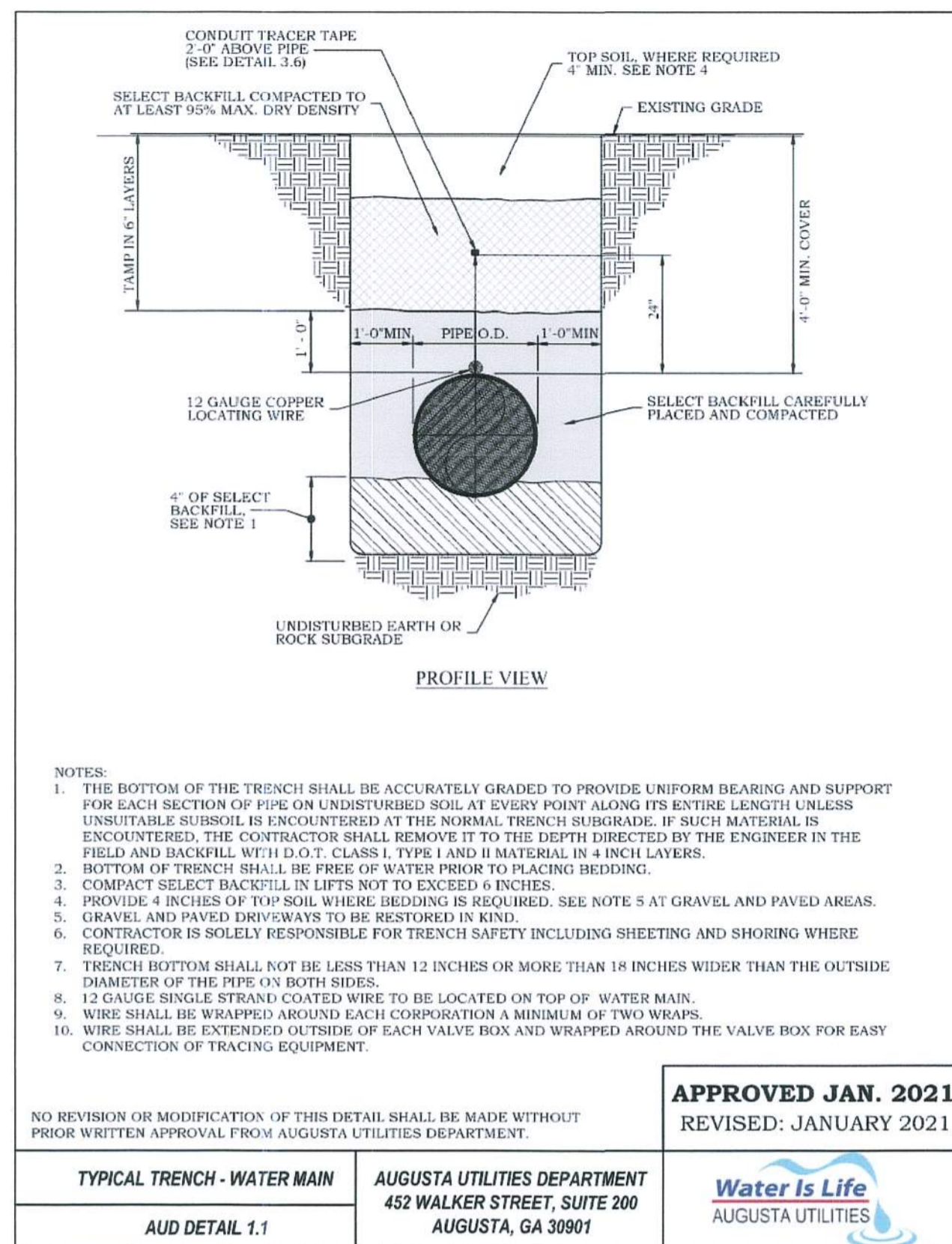


SIDEWALK - TYPICAL SECTION
N.T.S.



18" CURBING DETAIL
N.T.S





CRANSTON



R. Bratt
3/14/22

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F&E Ops Building

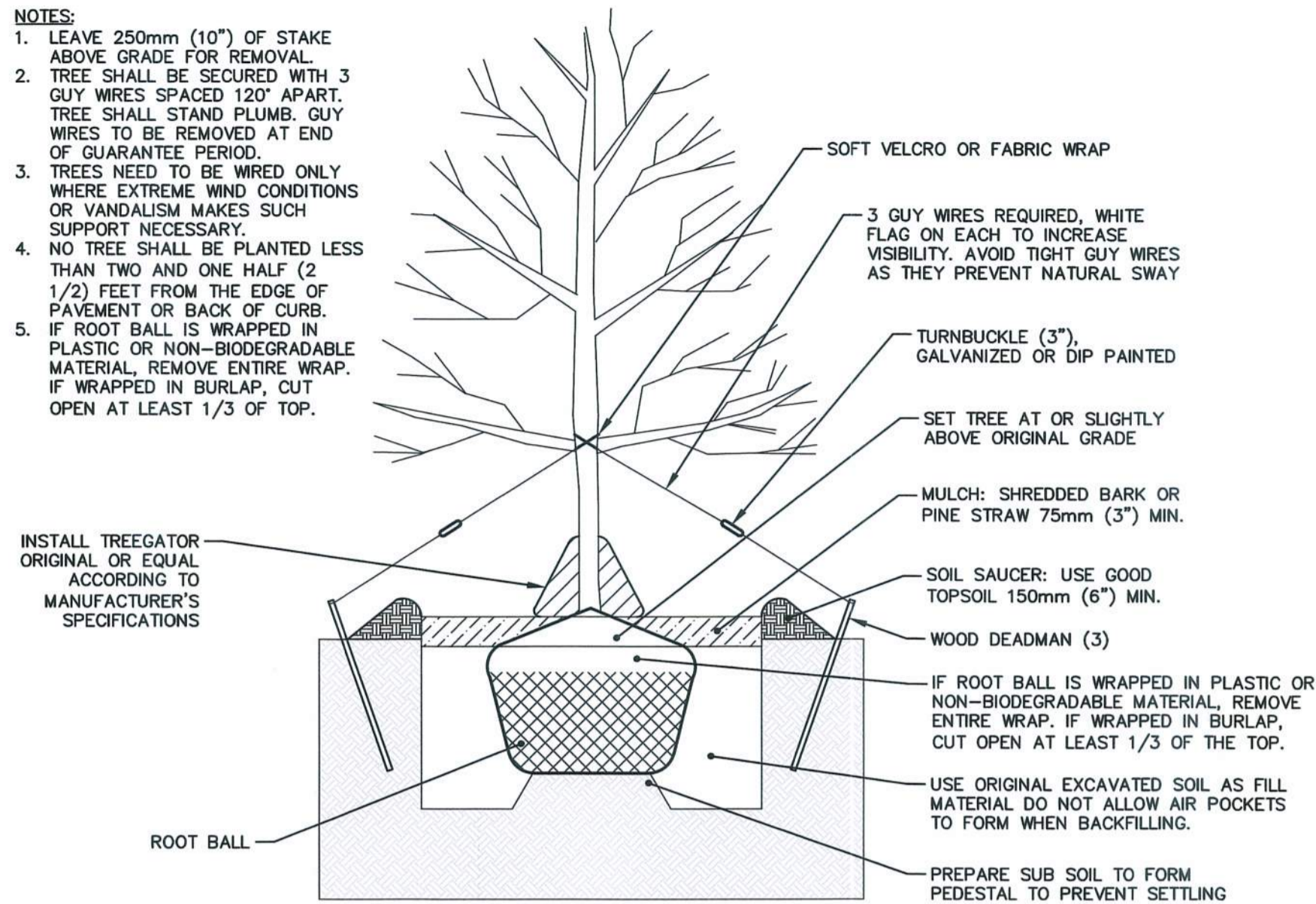
Miscellaneous Details

| | |
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| CHECKED BY: | SMS |
| APPROVED BY: | RBT |
| DATE: | FEBRUARY 24, 2022 |
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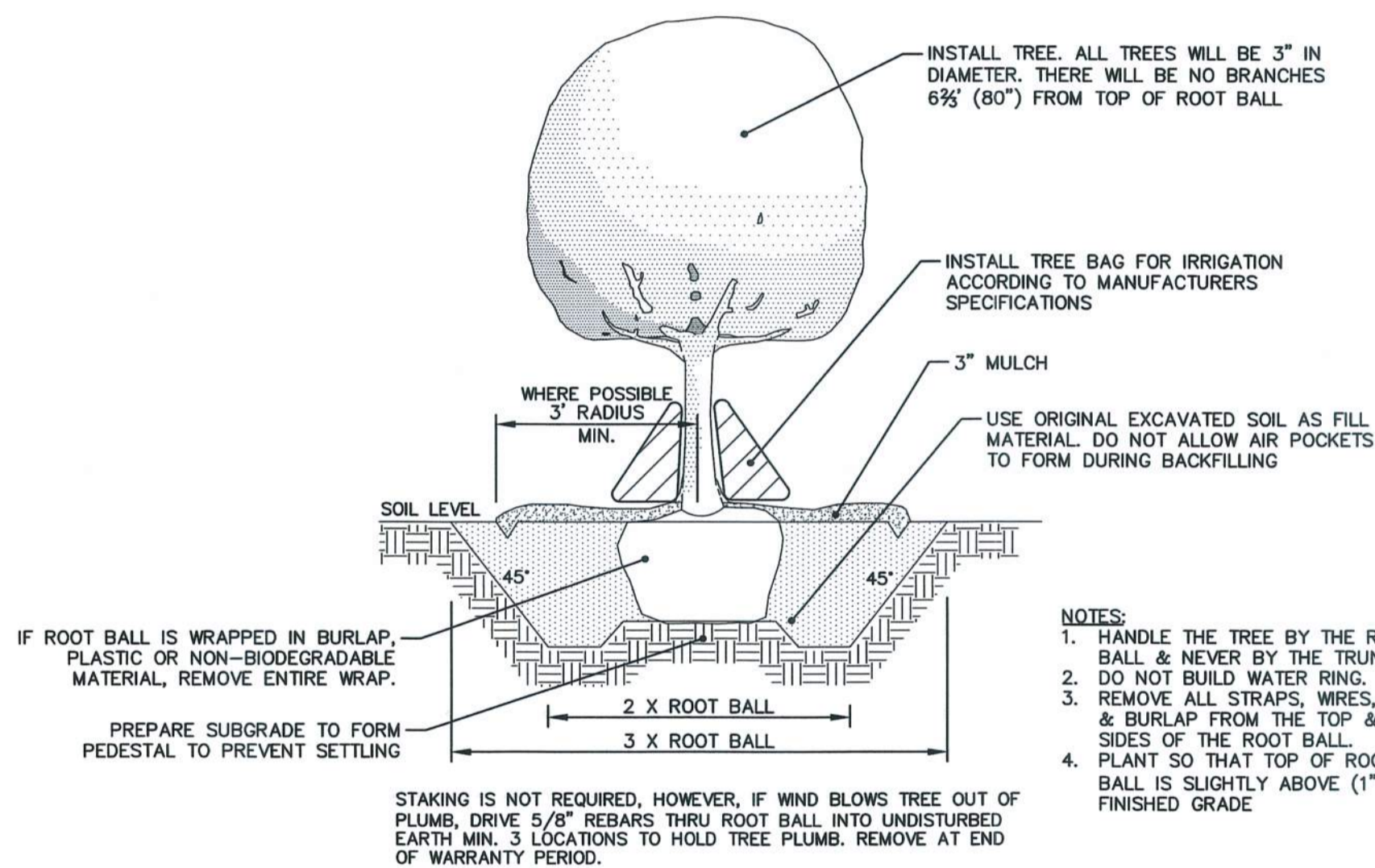
C601

- NOTES:

- NOTES:**
1. LEAVE 250mm (10") OF STAKE ABOVE GRADE FOR REMOVAL.
 2. TREE SHALL BE SECURED WITH 3 CUBIC FEET OF BRUSH OR BURLAP. WIRE SHALL STAND PLUMB. GUY WIRES TO BE REMOVED AT END OF GUARANTEE PERIOD.
 3. TREES NEED TO BE WIRED ONLY WHERE EXTREME WIND CONDITIONS OR NECESSITY FOR SUCH SUPPORT NECESSARY.
 4. NO TREE SHALL BE PLANTED LESS THAN TWO AND ONE HALF (2 1/2) FEET FROM THE EDGE OF PAVEMENT OR BACK OF CURB.
 5. IF ROOT BALL IS WRAPPED IN PLASTIC OR NON-Biodegradable MATERIAL, REMOVE ENTIRE WRAP. IF WRAPPED IN BURLAP, CUT OPEN AT LEAST 1/3 OF TOP.



TREE PLANTING DETAIL
N.T.S.



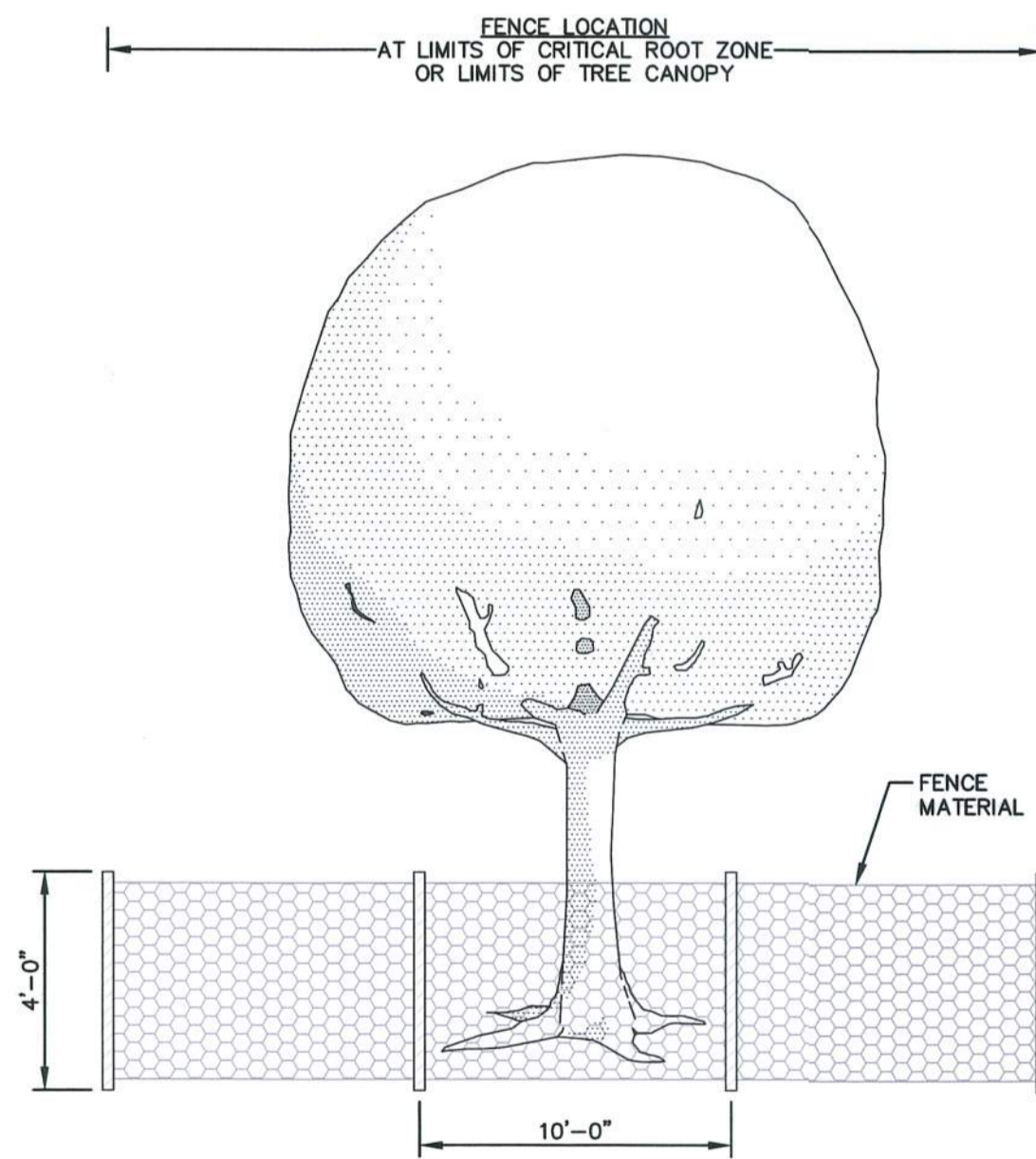
TREE PLANTING DETAIL
N.T.S.

- NOTES:**
1. HANDLE THE TREE BY THE ROOT BALL & NEVER BY THE TRUNK.
 2. DO NOT BUILD WATER RING.
 3. REMOVE ALL STRAPS, WIRES, TIES & BURLAP FROM THE TOP & SIDES OF THE ROOT BALL.
 4. PLANT SO THAT TOP OF ROOT BALL IS SLIGHTLY ABOVE (1"-3") FINISHED GRADE

STAKING IS NOT REQUIRED, HOWEVER, IF WIND BLOWS TREE OUT OF PLUMB, DRIVE 5/8" REBARS THRU ROOT BALL INTO UNDISTURBED EARTH MIN. 3 LOCATIONS TO HOLD TREE PLUMB. REMOVE AT END OF WARRANTY PERIOD.

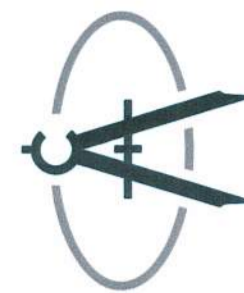
GENERAL NOTES:

1. ALL REQUIRED TREES SHALL BE GROWN WITHIN ONE CLIMATIC ZONE OF AUGUSTA, GA.
2. ALL REQUIRED TREES SHALL BE NURSERY GROWN, TYPICAL OF THEIR SPECIES OR VARIETY, WITH NO MORE THAN TWO DEFECTS PER TREE. DEFECTS INCLUDE BUT NOT LIMITED TO: CANKERS, TRUNK SCALD, HEALTHY, WOODROSE, FREE FROM DEFECTS, FREE FROM DISFIGURING KNOTS, FREE FROM SUN SOUND INJURIES, FROST CRACKS AND/OR ABRASIONS OF THE BARK, AND FREE FROM PLANT DISEASE, INSECT EGGS, BORERS, AND ALL FORMS OF INFESTATION. ALL TREES SHALL HAVE FULLY DEVELOPED CANOPIES WITHOUT EXCESSIVE BRANCHING. TREES THAT ARE PRUNED FOR RAINFALL REDUCTION OR IRRIGATION ARE RECOMMENDED THAT DUG TREES SHALL HAVE BEEN ROOT PRUNED AT LEAST ONCE
3. ALL REQUIRED TREES SHALL BE SET IN THE PLANTING PIT TO PROPER GRADE AND ALIGNMENT, AND THE PLANTING PIT SHALL BE BACKFILLED WITH TOP SOIL. TREES SHALL BE PLANTED AT LEAST AS OTHER TREES. EACH TREE SHALL BE SET 1'-2" ABOVE THE FINISH GRADE AND BACKFILL SHALL BE BROUGHT EVEN WITH THE TOP OF THE ROOT BALL. NO FILL SHALL BE PERMITTED AT THE ROOT BALL.
4. ALL BURLAP, ROPES, STRAPS, AND WIRES SHALL BE REMOVED FROM THE ROOT BALL. IF IT IS NOT POSSIBLE TO REMOVE THE BURLAP AND WIRE FROM THE BOTTOM OF THE ROOT BALL, THE BURLAP AND WIRE SHALL BE CUT AWAY FROM THE SIDES OF THE ROOT BALL. THE WIRE SHALL BE REMOVED FROM THE HOLE.
5. AFTER REQUIRED REMOVAL OF THE BURLAP AND WIRE, THERE SHALL BE NO REMAINS OF THE ROOT BALL AND ALL VOIDS SHALL BE FILLED.
6. ALL REQUIRED TREES SHALL HAVE THEIR PLANTING PIT SLOUGHED WITH APPROVED MULCHED MATERIAL. IMMEDIATELY AFTER MULCHING ATTACHED AREAS SHALL BE THOROUGHLY WATERED. NOTE: MULCH SHALL BE PLACED TO A MAXIMUM THICKNESS OF 3" EXCEPT AT THE TRUNK, WHERE IT MAY BE NO MORE THAN 1".
7. IF STAKING AND SUPPORTS HAVE BEEN INSTALLED ON THE REQUIRED TREE(S), ALL STAKING AND SUPPORTS SHALL BE REMOVED AFTER ONE GROWING SEASON.
8. ALL REQUIRED TREES SHALL HAVE STRAIGHT, SINGLE CENTRAL LEADERS. TREES THAT HAVE A MAIN TRUNK FORMING A "Y" SHAPE ARE NOT ACCEPTABLE. TREES THAT ARE NOT FULLY BRANCHED WILL BE ACCEPTABLE PROVIDED THEY HAVE A MINIMUM OF 1" CALIBER PER BRANCH OR RADIUS OF A SIGNIFICANT SWEEP, CROOK OR BEND. TREES SHALL HAVE A MINIMUM 3" CALIPER AND 8' IN HEIGHT AND SHALL HAVE NO BRANCH MORE THAN HALF THE DIAMETER THAN THE MAIN LEADER AND SHALL HAVE A STRAIGHT, UNBRANCHED TRUNK TO 6'. TREES SPECIFIED AS "MULTI-STEMMED" SHALL HAVE A MINIMUM OF 3" CALIPER AND 8' IN HEIGHT. TREES SPECIFIED AS "CATER" CHAIR COMING FROM THE ROOT BALL AND PRUNED INTO TREE FORM WITH NO BRANCHES ON THE LOWER HALF OF THE TREE. MULTIPLE PLANTS SHALL NOT BE USED AS A "MULTI-STEMMED" PLANT.
9. ALL CREPE MYRTLES OR OTHER MULTI-STEMMED TREES SHALL HAVE A MINIMUM OF 3" AND A MAXIMUM OF 6" CALIPER AND 8' IN HEIGHT. TREES SHALL BE PRUNED INTO TREE FORM AND NOT BE PRUNED INTO TREE FORM WITH NO BRANCHES ON THE LOWER HALF OF THE TREE. MULTIPLE PLANTS SHALL NOT BE USED AS A MULTI-STEMMED PLANT.
10. TREES CAN BE WITHIN 20' OF A REQUIRED LANDSCAPE ISLAND.
11. LIGHTING ON ELECTRICAL PLANS MUST BE CONSISTENT WITH LIGHTING DELINEATED ON THE LANDSCAPE PLAN. IF CONFLICTS BETWEEN THE TWO PLANS ARISE, THE LIGHTING PLAN ON THE LANDSCAPE PLAN PRECEDES LIGHTING ON THE ELECTRICAL PLAN.
12. NO SIGNS, WITH EXCEPTION OF DIRECTIONAL SIGNS (THESE SIGNS MAY NOT EXCEED 30" IN HEIGHT NOR MORE THAN 4' IN AREA), MAY BE LOCATED WITHIN 20' OF A REQUIRED TREE OR WITHIN REQUIRED LANDSCAPE ISLANDS.
13. "SIGN" DEFINED HEREIN INCLUDES, BUT IS NOT LIMITED TO, UTILITY BOXES, TRANSFORMERS, OR OTHER SITE APPURTENANCES MAY BE LOCATED IN A REQUIRED LANDSCAPE ISLAND.
14. A PERMANENT WATER SOURCE MUST BE WITHIN 100' OF ALL REQUIRED TREES.
15. NO NEW UTILITIES (OVERHEAD OR UNDERGROUND) MAY BE LOCATED DIRECTLY ABOVE OR BELOW EXISTING OR PROPOSED UTILITY LOCATIONS. PROPOSED UTILITIES MUST BE ROUTED AWAY FROM ALL REQUIRED TREES ON THIS SITE.
16. LIGHTING PLAN IS PROVIDED ON THE LANDSCAPE ARCHITECT PLANS.
17. "IRIGATION PLAN" PROVIDES THE LANDSCAPE ARCHITECT PLANS. IRIGATION IS PROVIDED ON THE LANDSCAPE ARCHITECT PLANS.



TREE PROTECTION FENCE DETAIL
N.T.S.

NOTE: INSTALL TREE PROTECTION FENCE AROUND ALL TREES TO REMAIN



CRANSTON

[illegible]

F&E Ops Building

Miscellaneous Details

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|--------------|-------------------|
| DRAWN BY: | MAB |
| CHECKED BY: | SMS |
| APPROVED BY: | RBT |
| DATE: | FEBRUARY 24, 2022 |
| SCALE: | AS SHOWN |
| JOB No. | 2021-0671 |
| DRAWING No. | |