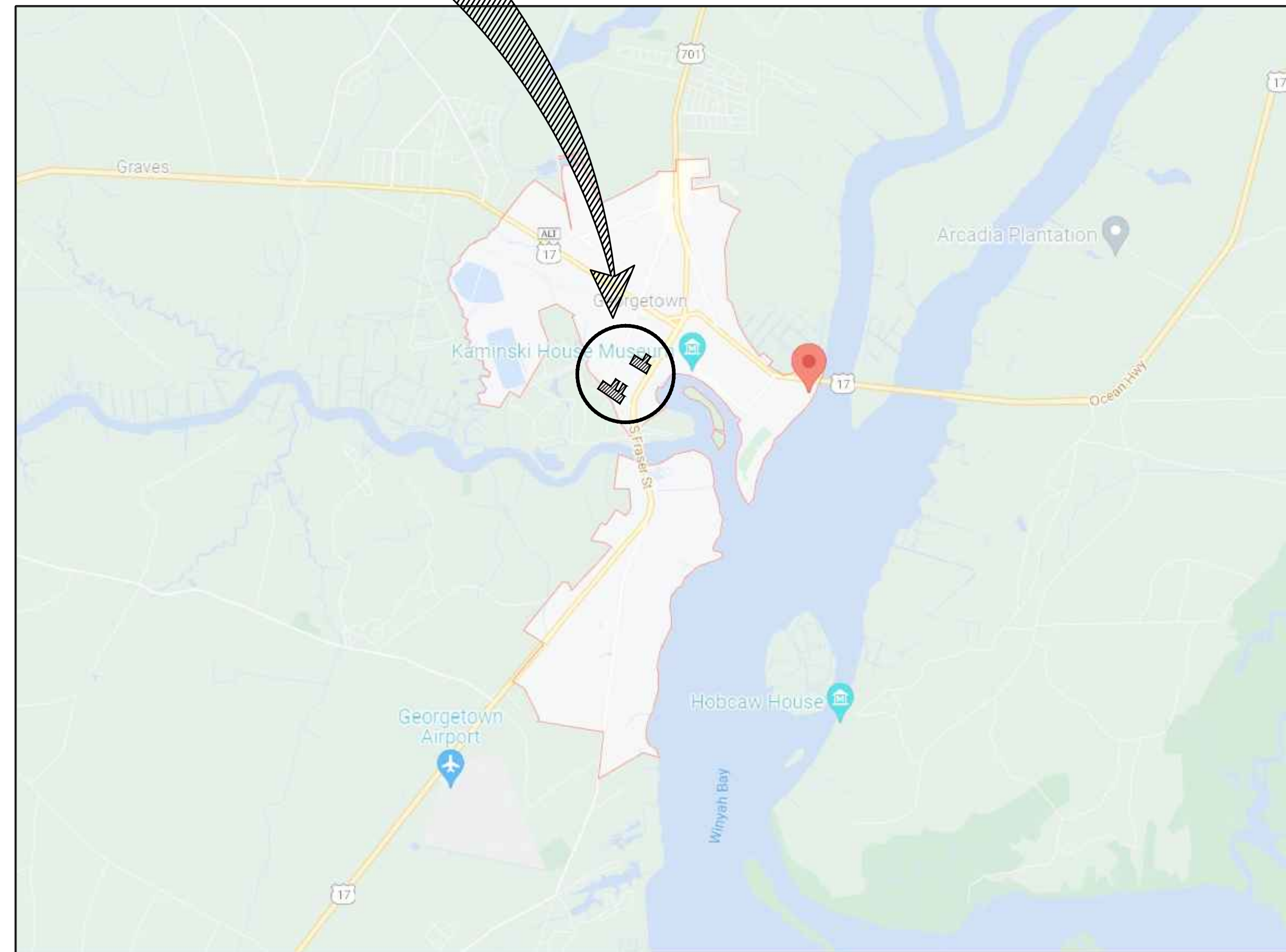


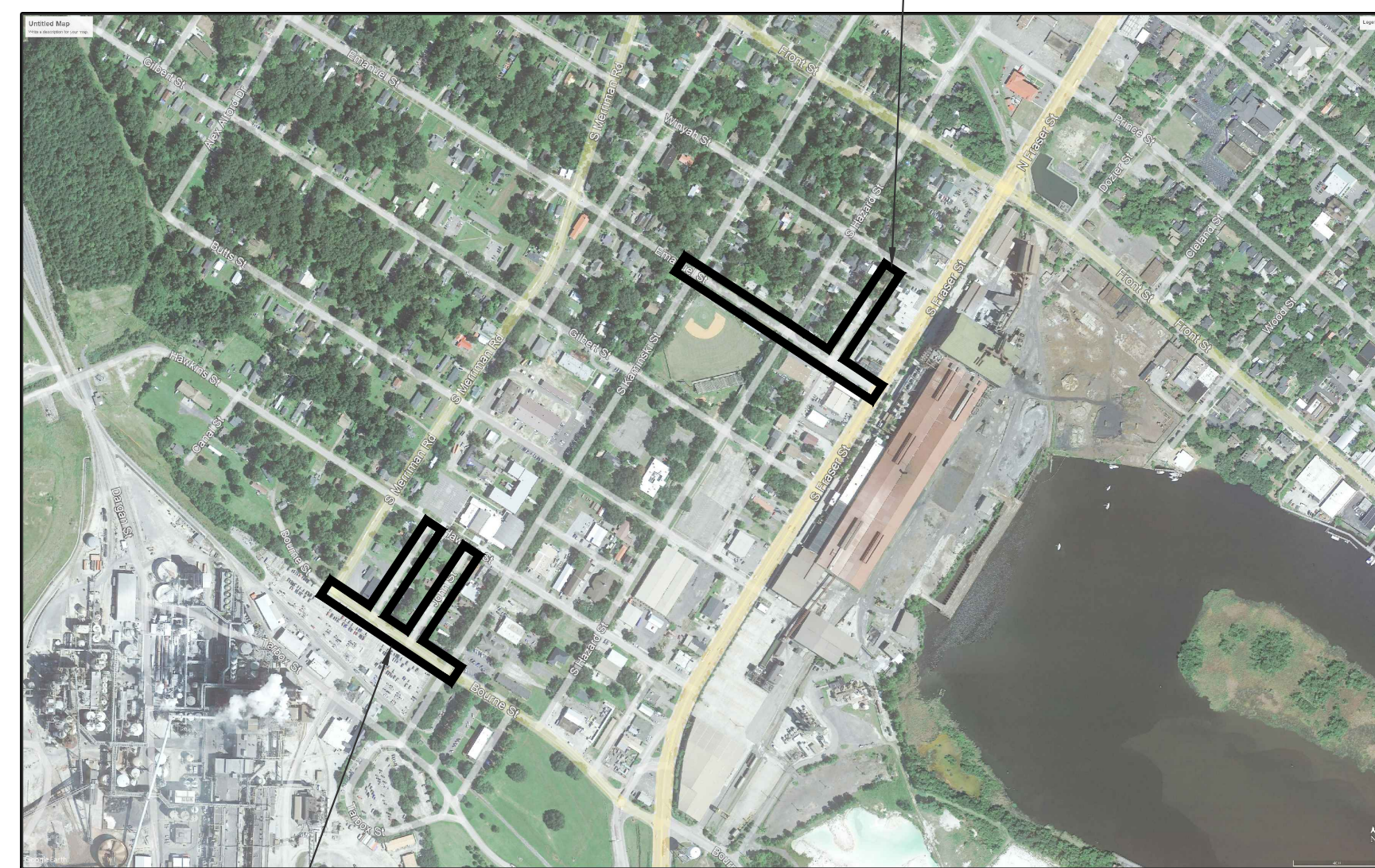
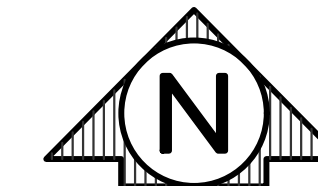


PRELIMINARY PLANS FOR:
CITY OF GEORGETOWN
WEST END DISTRICT
WATER MAIN UPGRADES
 GEORGETOWN, SOUTH CAROLINA
 PROJECT FUNDED BY A CDBG GRANT #4-CI-21-008
 PROJECT #1515

PROJECT
LOCATION



VICINITY MAP
NOT TO SCALE



BOURNE STREET
HENRY STREET
JOHN STREET

LOCATION MAP
NOT TO SCALE



SHEET INDEX

- 1 - COVER SHEET
- 2 - LEGEND SHEET
- 3 - NOTE SHEET
- 4 - DETAIL SHEET
- 5 - DETAIL SHEET
- 6 - WATER MAIN PLAN SHEET--BOURNE STREET STA 100+00 TO STA 107+00
- 7 - WATER MAIN PLAN SHEET--HENRY STREET STA 200+00 TO 205+50
- 8 - WATER MAIN PLAN SHEET--JOHN STREET STA 300+00 TO 305+50
- 9 - WATER MAIN PLAN SHEET--EMANUEL STREET STA 500+50 TO 507+50
- 10 - WATER MAIN PLAN SHEET--EMANUEL STREET STA 507+50 TO 507+50
- 11 - WATER MAIN PLAN SHEET--DAVIS ALLEY STA 600+50 TO 604+75
- 12 - S. FRASER STREET TRAFFIC CONTROL PLAN--S FRASER AT EMANUEL STREET

OWNER

CITY OF GEORGETOWN
 2377 MAYBANK DRIVE
 GEORGETOWN, SC 29440
 CONTACT: ORLANDO P. ARTEAGA, P.E., CITY ENGINEER
 PHONE: (843) 545-4501

TECHNICAL CONSULTANT

ROWE PROFESSIONAL SERVICES COMPANY
 6009 N. KINGS HIGHWAY
 MYRTLE BEACH, SC 29577
 CONTACT: RYAN HARVEY, P.E.
 PHONE: (843) 444-1020

AGENCIES

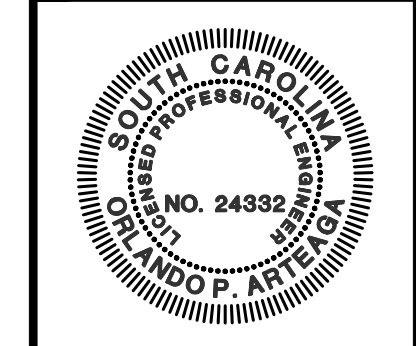
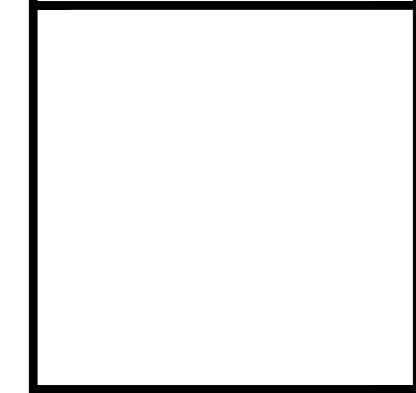
WATER & SEWER	CITY OF GEORGETOWN
ELECTRIC	CITY OF GEORGETOWN
TELEPHONE	HTC / SPECTRUM
CABLE T.V.	-
GAS	-
ROADWAY	SCDOT

NO.	DATE	REVISIONS

ROWE PROFESSIONAL SERVICES COMPANY
 O: (843) 444-1020
 F: (843) 448-3936
 www.rowepsc.com
 6009 N. Kings Highway
 Myrtle Beach, SC 29577

COVER SHEET
CITY OF GEORGETOWN
WEST END DISTRICT WATER MAIN UPGRADES
 GEORGETOWN, COUNTY

SCALE: NTS
 PROJECT MGR: REH
 DESIGNED BY: REH
 CHECKED BY: XX
 DATE ISSUED: JAN 2022



3 DAYS BEFORE DIGGING IN
 SOUTH CAROLINA
 CALL 1-888-721-7877
 PALMETTO UTILITY PROTECTION SERVICE

SHEET NO.
1
 JOB No: 22S0006

EA Project# 22S0006 (Proj) Construction Drawings/SP-22S006-001.dwg PLO/REH 5/27/2022 4:45 PM

STRUCTURE SYMBOLS

- ▣ EXISTING CATCH BASIN IN CURB LINE
- PROPOSED CATCH BASIN IN CURB LINE
- EXISTING CATCH BASIN IN GREEN SPACE
- PROPOSED CATCH BASIN IN GREEN SPACE
- EXISTING STORM MANHOLE
- PROPOSED STORM MANHOLE
- ▶ PROPOSED CULVERT END SECTION
-) EXISTING HEADWALL
-) PROPOSED HEADWALL
- EXISTING GATE VALVE AND BOX
- EXISTING WATER SHUT OFF (CURB BOX)
- PROPOSED GATE VALVE AND BOX
- EXISTING GATE VALVE AND WELL
- PROPOSED GATE VALVE AND WELL
- × EXISTING SPRINKLER HEAD
- EXISTING WATER WELL
- ⊕ EXISTING FIRE HYDRANT
- ⊕ PROPOSED FIRE HYDRANT
- ▬ PROPOSED WATER MAIN FITTINGS
- EXISTING CLEAN OUT
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED SANITARY SEWER MANHOLE
- EXISTING MONITORING WELL

EXISTING TOPOGRAPHICAL SYMBOLS

- ⊕ SIGN
- ⊕ STREET SIGN
- END OF PIPE
- ⊕ SWAMP OR WETLAND
- ⊕ DECIDUOUS TREE
- ⊕ CONIFEROUS TREE
- ⊕ TREE STUMP
- MAIL BOX
- ⊕ SOIL BORING
- ROCK
- METAL POST
- BUMPER BLOCK

UTILITY SYMBOLS

- UTILITY POLE
- › GUY ANCHOR CABLE
- * LIGHT POLE / ORNAMENTAL LIGHT
- ⊕ POWER LIGHT POLE
- TELEPHONE MANHOLE
- UNDERGROUND GAS LINE MARKER
- GAS RISER
- GAS VENT
- GAS VALVE
- ⊕ RAILROAD SIGNAL
- * METAL LIGHT POLE
- OUTLET
- CIRCUIT BREAKER PANEL
- ⊕ ELECTRICAL TRANSFORMER PAD
- ⊕ ELECTRICAL TRANSFORMER RISER
- ELECTRIC METER
- TELEPHONE PEDESTAL / RISER
- ⊕ TRAFFIC SIGNAL ON POLE
- PHONE BOOTH / PAY PHONE

SURVEY SYMBOLS

- MONUMENT
- ▲ BENCHMARK
- △ TRAVERSE POINT
- ⊕ SECTION CORNER
- FOUND SURVEY MONUMENTATION

MISCELLANEOUS SYMBOLS

- Ex 1812 EXISTING STORM SEWER STRUCTURE NUMBER
- Ex 5236 EXISTING SANITARY SEWER STRUCTURE NUMBER
- 1 PROPOSED STORM SEWER STRUCTURE NUMBER
- A PROPOSED SANITARY SEWER STRUCTURE NUMBER
- ~ FLOW DIRECTION
- ⊕ EXISTING RIP-RAP
- ⊕ PROPOSED RIP-RAP

CAUTION SYMBOLS

- CAUTION●● HAZARDOUS FLAMMABLE MATERIAL UNDERGROUND USED WITH UNDERGROUND GAS & ELECTRICAL LINES
- CAUTION●● FIBER OPTIC USED WITH FIBER OPTICS LINES

PLAN VIEW LINE TYPES

- 12" STM --- EXISTING STORM SEWER
- 12" CONC --- EXISTING CULVERT
- PROPOSED STORM SEWER LESS THAN 24"
- PROPOSED STORM SEWER 24" AND GREATER
- 12" SAN --- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- 12" WM --- EXISTING WATER MAIN
- PROPOSED WATER MAIN
- SECTION LINE
- 60' ROW --- EXISTING RIGHT OF WAY
- 60' ROW --- PROPOSED RIGHT OF WAY
- PROPOSED EASEMENT
- EXISTING CENTER LINE DITCH
- PROPOSED DITCH CENTERLINE
- EXISTING CENTER LINE ROADWAY
- PARCEL LINE / LOT LINE
- O/H --- EXISTING OVERHEAD UTILITIES
- U/G ELEC --- UNDERGROUND ELECTRICAL LINE
- 6" S-MP GAS --- GAS LINE OR PETROLEUM PIPELINE
- U/G TEL --- UNDERGROUND TELEPHONE LINE
- U/G CATV --- UNDERGROUND CABLE TV LINE
- U/G FIBER OPTIC --- UNDERGROUND FIBER OPTIC
- 11+00 PROJECT CONTROL LINE
- ~ TREE LINE
- ~ BRUSH LINE
- EXISTING FENCE
- PROPOSED FENCE
- EXISTING GUARD RAIL
- PROPOSED SLOPE STAKE LINE
- PROPOSED SILT FENCE

TOPOGRAPHY

- 960 --- EXISTING CONTOURS MAJOR
- 958 --- EXISTING CONTOURS MINOR
- 960 --- PROPOSED CONTOUR MAJOR
- 958 --- PROPOSED CONTOURS MINOR

PARCEL INFORMATION

- 401-069 PARCEL/TAX IDENTIFICATION NUMBER
- #5324 ADDRESS/BUSINESS NAME

PAVEMENT IDENTIFICATION

- === EXISTING CURB AND GUTTER
- === PROPOSED CURB AND GUTTER
- EXISTING PAVEMENT
- EXISTING GRAVEL

HATCHING LEGEND

- REMOVE PAVEMENT
- COLD MILLING EXISTING PAVEMENT
- REMOVE SIDEWALK
- REMOVE CURB AND GUTTER
- REMOVE AND REPLACE CURB AND GUTTER
- SAND BACKFILL (PROFILE)
- PROPOSED HMA APPROACH

PROPOSED CALLOUTS

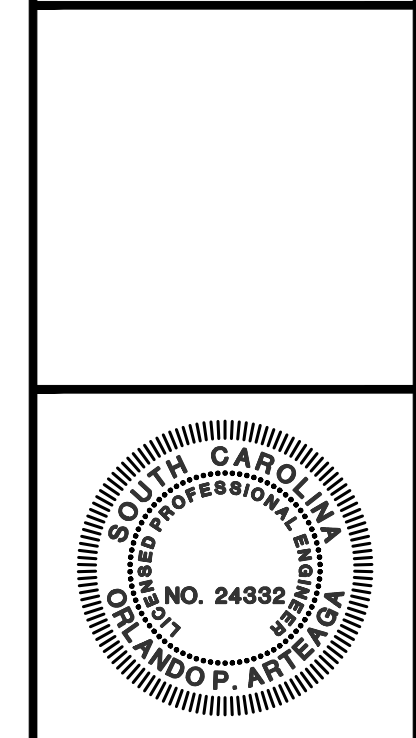
- | TOPO CALLOUTS | PLAN VIEW | |
|---------------|-----------|-------------------------------|
| ADJ | ADJ | ADJUST STRUCTURE |
| ADJ-X | ADJ-X | ADJUST STRUCTURE W/ NEW COVER |
| ADJ-B/O | ADJ-B/O | ADJUST STRUCTURE BY OTHERS |
| REC | REC | RECONSTRUCT STRUCTURE |
| REL | REL | RELOCATE |
| REL-B/O | REL-B/O | RELOCATE BY OTHERS |
| REM | R | REMOVE |
| R&R | R&R | REMOVE AND REPLACE |
| SALV | SALV | SALVAGE |
| SAVE | S | SAVE |
| ABN | A | ABANDON |
| CLR | C | CLEARING |
| | B | BULKHEAD |
| | SR-F | SIDEWALK RAMP TYPE |
| | 6 | SOIL EROSION CONTROL MEASURE |

NO.	DATE	REVISIONS

ROWE PROFESSIONAL SERVICES COMPANY
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 www.rowepsc.com

LEGEND SHEET
 CITY OF GEORGETOWN
 WEST END DISTRICT WATER MAIN UPGRADES
 GEORGETOWN, COUNTY

SCALE: NTS
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SHEET NO.
2
 JOB No: 22S0006

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GENERAL

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS, SCDOT STANDARD SPECIFICATIONS ed. 2007, AND DHEC STANDARD SPECIFICATIONS AND GENERAL DESIGN STANDARDS.
- WHEREVER A CONFLICT IN STANDARDS AND SPECIFICATIONS OCCUR THE MOST RESTRICTIVE STANDARD OR SPECIFICATION WILL GOVERN.
- THREE WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT PALMETTO UTILITY PROTECTION SERVICE (1-888-721-7877) TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING OR VERIFYING THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY AND STATE AGENCIES PRIOR TO STARTING CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONSTRUCT THIS PROJECT ACCORDING TO THE DETAILS PROVIDED IN THE PLAN SET.
- THE CONTRACTOR IS RESPONSIBLE FOR KEEPING EXISTING UTILITIES IN FULL SERVICE FOR THE DURATION OF THE WORK. IN THE EVENT THAT SOME SERVICES WOULD BE TEMPORARILY SUSPENDED TO CONDUCT WORK, ARRANGEMENTS MUST BE MADE TO COMPLETE THE WORK AFTER HOURS OR ON WEEKENDS AT NO ADDITIONAL COST TO THE OWNER.
- ALL INFORMATION REGARDING HOW THE PROJECT IS TO BE CONSTRUCTED MUST BE FOLLOWED, FAILURE TO DO SO WILL RESULT IN WORK THAT MAY BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
- ANY MATERIALS USED SHALL BE NEW AND OF THE QUALITY CALLED OUT IN THE PLANS AND SPECIFICATIONS AND PLACED ACCORDING TO THE DETAILS AND AGENCY REQUIREMENTS.
- REGULATORY AGENCIES' REQUIREMENTS AND SPECIFICATIONS SHALL BE FOLLOWED ON THIS PROJECT. ANY DISCREPANCIES BETWEEN THEIR STANDARDS AND THESE PLANS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY.
- THIS PROJECT IS NOT LOCATED WITHIN A REGULATED FLOODPLAIN PER MARCH 16, 1989 PANEL NOS. 450085 0243 D AND 450087 0001 D, NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP. THE PROJECT IS LOCATED WITHIN ZONE X.
- A PRE-CONSTRUCTION CONFERENCE AT THE SITE IS MANDATORY. THE DEVELOPER, ENGINEER OF RECORD, CONTRACTOR AND ALL SUBCONTRACTORS WITH SWPPP RESPONSIBILITIES ARE REQUIRED TO ATTEND. AN ATTENDANCE SHEET MUST BE SIGNED AND RETAINED WITHIN THE OS-SWPPP.
- NO WORK IS TO BE PERFORMED ON THE PROJECT UNTIL PLANS HAVE BEEN APPROVED BY THE STATE.
- ANY WORK PERFORMED WITHOUT PROPER INSPECTIONS MAY BE REQUIRED TO BE REMOVED AND REINSTALLED.
- CONTRACTOR TO PROVIDE A MAILBOX THAT WILL CONTAIN THE OS-SWPPP AT THE CONSTRUCTION SITE THAT WILL BE ACCESSIBLE DURING NORMAL BUSINESS HOURS FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
- CONTRACTOR TO INSTALL A TEMPORARY RAIN GAGE ONSITE AND ENTER RAINFALL AMOUNTS IN THE OS-SWPPP DAILY.

CONSTRUCTION SEQUENCE

- OBTAIN PERMITS FROM THE STATE
- PRE-CONSTRUCTION MEETING ON-SITE
- MOBILIZATION ON-SITE
- INSTALL SILT FENCING AND TREE PROTECTION, CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES
- CALL FOR ON-SITE INSPECTION BY OCRM INSPECTOR. WHEN APPROVED, BEGIN CLEARING AND GRUBBING.
- DEMOLITION OF EXISTING FACILITIES (AS REQUIRED)
- FOUNDATION PREPARATION / CONSTRUCTION
- INSTALL DRAINAGE FACILITIES
- FINE GRADING
- SITE CLEANUP
- ESTABLISH TURF / LANDSCAPE
- EROSION CONTROL DEVICE REMOVAL
- DEMOLITION

SITE WORK

- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL LOCATE AND EXPOSE ALL EXISTING UTILITIES THAT CROSS THE PROPOSED CONSTRUCTION SO THAT THE ENGINEER MAY DETERMINE IF A VERTICAL CONFLICT EXISTS BETWEEN THE EXISTING UTILITY AND THE PROPOSED CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING UTILITIES WITHIN THE SCOPE OF CONSTRUCTION, IF ANY DAMAGE OCCURS THE CONTRACTOR WILL REMOVE AND REPLACE THEM AT THEIR OWN EXPENSE.
- THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL INSTALL SILT FENCES (OR OTHER METHODS APPROVED BY THE ENGINEER AND OCRM) AS REQUIRED TO PREVENT SILT AND CONSTRUCTION DEBRIS FROM FLOWING OFF THE SITE. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, OR LOCAL EROSION, CONSERVATION AND SILTATION ORDINANCES. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL DEVICES UPON COMPLETION OF PERMANENT DRAINAGE FACILITIES AND THE ESTABLISHMENT OF VEGETATION TO PREVENT EROSION.
- BEFORE EARTH MOVING ACTIVITIES START THE CONTRACTOR SHALL VISIBLY STAKE OUT THE CLEARING LIMITS.
- THE CONTRACTOR IS RESPONSIBLE FOR MEETING THE REQUIREMENTS OF THE ARCHITECTURAL PLANS AS PREPARED BY GOFORTH, BROWN AND ASSOCIATES.
- THE EXCAVATION CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES FOR ANY REQUIRED UTILITY ADJUSTMENTS AND/OR RELOCATIONS.
- REFER TO SHEET K1.05-K1.10 FOR EROSION CONTROL DEVICES TO BE INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY DISPOSING OF EXCESS MATERIAL AT A LOCATION PROVIDED BY THE CONTRACTOR AT THEIR EXPENSE.
- THE CONTRACTOR SHALL BRACE, SHEET, AND SUPPORT TRENCH WALLS IN SUCH A MANNER THAT THEY WILL BE SAFE AND THAT THE GROUND ALONGSIDE THE EXCAVATION WILL NOT SLIDE OR SETTLE, AND THAT ALL EXISTING IMPROVEMENTS OF EVERY KIND, WHETHER ON PUBLIC OR PRIVATE PROPERTY, WILL BE FULLY PROTECTED FROM DAMAGE.
- ALL GRADING SHALL BE PERFORMED IN ACCORDANCE WITH GEOTECHNICAL REPORT PREPARED BY GS2 ENGINEERING DATED 01-03-18.
- CONTRACTOR SHALL COORDINATE SHUTDOWNS OF UTILITIES TO EXISTING BUILDINGS AND LIMITATIONS IN SITE ACCESS WITH M.B. KAHN.

EROSION CONTROL NOTES

- IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
 - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
 - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN (7) DAYS. IF SITE INSPECTIONS IDENTIFY BMPs THAT ARE DAMAGED OR ARE NOT OPERATING EFFECTIVELY, MAINTENANCE MUST BE PERFORMED AS SOON AS PRACTICAL OR AS REASONABLY POSSIBLE AND BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE.
- PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION, FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
- ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL 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.
- THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
- TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
- ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
- LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES. A COPY OF THE SWPPP, INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
- INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
- MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPs (SEDIMENT BASIN, FILTER BAG, ETC.).
 - WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
 - WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
 - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
 - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
- BEFORE CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
 - IF EXISTING BMPs NEED TO BE MODIFIED OR IF ADDITIONAL BMPs ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPs MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
- A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.

SEEDBED PREPARATION

- CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3 INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF AVAILABLE.
- RIP THE ENTIRE AREA TO 6 INCHES DEPTH.
- REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.
- APPLY AGRICULTURAL LIME, FERTILIZER, AND SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL.
- CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM REASONABLY UNIFORM SEEDBED IS PREPARED 4 TO 6 INCHES DEEP.
- SEED ON A FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR OULTPACK AFTER SEEDING.
- MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
- INSPECT ALL SEEDBED AREAS AND MAKE NECESSARY REPAIRS OR RESEED WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND IS OVER 60% DAMAGED, RE-ESTABLISH ORIGINAL LIME, FERTILIZER AND SEEDING RATES.
- CONSULT CONSERVATION INSPECTOR ON MAINTENANCE AND FERTILIZATION AFTER PERMANENT COVER IS ESTABLISHED.
 - APPLY: AGRICULTURAL LIME - 2 TONS/ ACRE (3 TONS/ACRE IN CLAY SOILS)
 - FERTILIZER - 1,000 lbs. / ACRE -10-10-10
 - SUPERPHOSPHATE - 500 lbs. / ACRE -20% ANALYSIS
 - MULCH - 2 TONS / ACRE - SMALL GRAIN STRAW
 - ADHESIVE - ASPHALT EMULSION @ 300 GALS. / ACRE

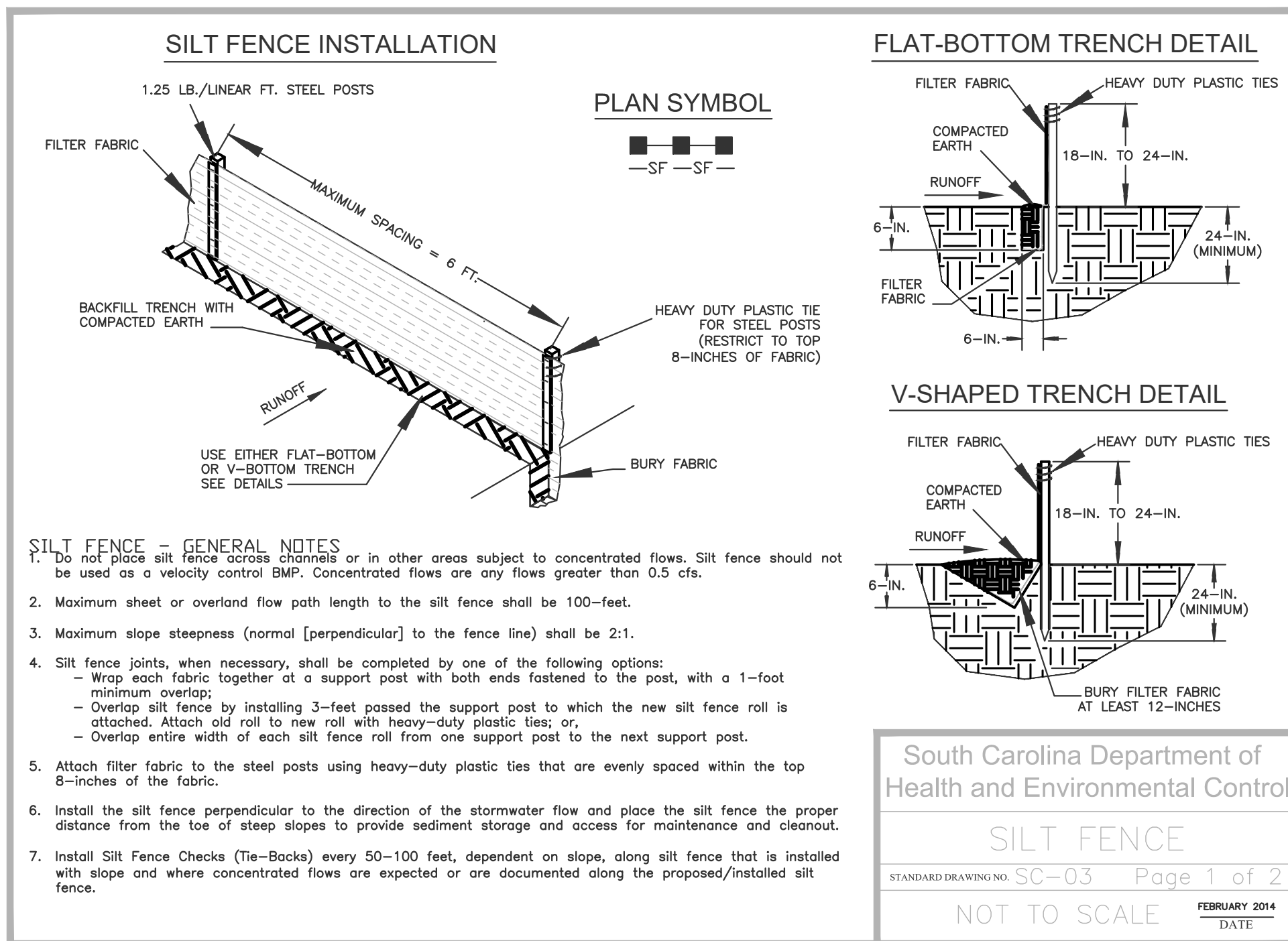
SEEDING SCHEDULE

DATE	TYPE	PLANTING RATE
AUG 15 - NOV 1	TALL FESCUE	300 lbs/acre
NOV 1 - MAR 1	TALL FESCUE & ABRUZZI RYE	300 lbs/acre
MAR 1 - APR 15	TALL FESCUE	25 lbs/acre
APR 15 - JUN 30	HULLED COMMON BERMUDAGRASS	300 lbs/acre
JUL 1 - AUG 15	TALL FESCUE & **BROWN TOP MILLET	25 lbs/acre
	*** or SORGHUM-SUDAN HYBRIDS	35 lbs/acre
		30 lbs/acre
	SLOPES (3:1 TO 2:1)	
MAR 1 - JUN 1	SERICEA LESPEDEZA (SCARIFIED)	50 lbs/acre
(MAR 1 - APR 15)	ADD TALL FESCUE	120 lbs/acre
(MAR 1 - JUN 30)	or ADD WEEPING LOVEGRASS	10 lbs/acre
(MAR 1 - JUN 30)	or ADD HULLED COMMON BERMUDAGRASS	25 lbs/acre
JUN 1 - SEP 1	**TALL FESCUE & **BROWNTOP MILLET	120 lbs/acre
	*** or SORGHUM-SUDAN HYBRIDS	25 lbs/acre
	SERICEA LESPEDEZA	30 lbs/acre
SEP 1 - MAR 1	(UNHULLED-UNSCARIFIED) & TALL FESCUE	70 lbs/acre
	ADD ABRUZZI RYE	120 lbs/acre
(NOV 1 - MAR 1)		25 lbs/acre

CONSULT CONSERVATION ENGINEER OR SOIL CONSERVATION SERVICE FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DENUDED AREAS. THE ABOVE VEGETATION RATES ARE THOSE WHICH DO WELL UNDER LOCAL CONDITIONS; OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE

** TEMPORARY - RESEED ACCORDING TO OPTIMUM SEASON FOR DESIRED PERMANENT VEGETATION. DO NOT ALLOW TEMPORARY COVER TO GROW OVER 12" IN HEIGHT BEFORE MOWING, OTHERWISE FESCUE MAY BE SHADED OUT.

NOTE: SHOULDER AND DITCH GRASSING WILL BE REQUIRED. THE FULL SITE SHALL BE AT 70% COVERAGE PRIOR TO FINAL INSPECTION. A GOOD STAND OF PERMANENT GRASS (70% COVERAGE) SHALL BE PRESENT BY THE FINAL INSPECTION OR THE AREA SHALL BE RE-SEED OR SODDED. IF A GOOD STAND OF PERMANENT GRASS (70% COVERAGE) HAS NOT BECOME ESTABLISHED WITHIN 180 DAYS, SODDING MAY BE REQUIRED BY THE COUNTY ENGINEER.



South Carolina Department of Health and Environmental Control
SILT FENCE
 STANDARD DRAWING NO. SC-03 Page 1 of 2
 NOT TO SCALE
 FEBRUARY 2014

- SILT FENCE - POST REQUIREMENTS**
- Silt fence posts must be 48-inch long steel posts that meet, at a minimum, the following physical characteristics.
 - Composed of a high strength steel with a minimum yield strength of 50,000 psi.
 - Include a standard "T" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48-inches.
 - Weight 1.25 pounds per foot (± 8%)
 - Posts shall be equipped with projections to aid in fastening of filter fabric.
 - Steel posts may need to have a metal soil stabilization plate welded near the bottom when installed along steep slopes or installed in loose soils. The plate should have a minimum cross section of 17-square inches and be composed of 15 gauge steel, at a minimum. The metal soil stabilization plate should be completely buried.
 - Install posts to a minimum of 24-inches. A minimum height of 1- to 2-inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
 - Post spacing shall be at a maximum of 6-feet on center.

- SILT FENCE - INSPECTION & MAINTENANCE**
- The key to functional silt fence is weekly inspections, routine maintenance, and regular sediment removal.
 - Regular inspections of silt fence shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall event that produces 1/2-inch or more of precipitation.
 - Attention to sediment accumulations along the silt fence is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
 - Remove accumulated sediment when it reaches 1/3 the height of the silt fence.
 - Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
 - Check for areas where stormwater runoff has eroded a channel beneath the silt fence, or where the fence has sagged or collapsed due to runoff overtopping the silt fence. Install checks/tee-backs and/or reinstal silt fence, as necessary.
 - Check for tears within the silt fence, areas where silt fence has begun to decompose, and for any other circumstance that may render the silt fence ineffective. Removed damaged silt fence and reinstal new silt fence immediately.
 - Silt fence should be removed within 30 days after final stabilization is achieved and once it is removed, the resulting disturbed area shall be permanently stabilized.

- SILT FENCE - FABRIC REQUIREMENTS**
- Silt fence must be composed of woven geotextile filter fabric that consists of the following requirements:
 - Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other.
 - Free of any treatment or coating which might adversely alter its physical properties after installation;
 - Free of any defects or flaws that significantly affect its physical and/or filtering properties; and,
 - Have a minimum width of 36-inches.
 - Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
 - 12-inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.
 - Filter Fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
 - Filter Fabric shall be installed at a minimum of 24-inches above the ground.

South Carolina Department of Health and Environmental Control
SILT FENCE
 STANDARD DRAWING NO. SC-03 PAGE 2 of 2
 FEBRUARY 2014

REVISIONS

NO.	DATE	REVISIONS

ROWE PROFESSIONAL SERVICES COMPANY
 O: (843) 444-1020
 F: (843) 448-3936
 www.rowepsc.com

6009 N. Kings Highway
 Myrtle Beach, SC 29577

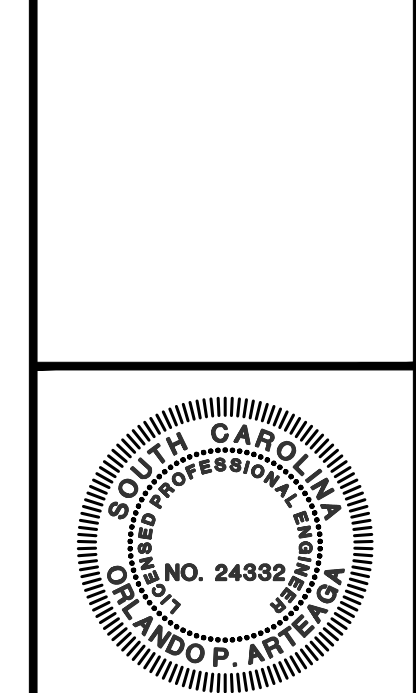
NOTE SHEET

CITY OF GEORGETOWN

WEST END DISTRICT WATER MAIN UPGRADES

GEORGETOWN, COUNTY

SCALE: NTS
 PROJECT MGR: REH
 DESIGNED BY: REH
 CHECKED BY: XX
 DATE ISSUED: JAN 2022

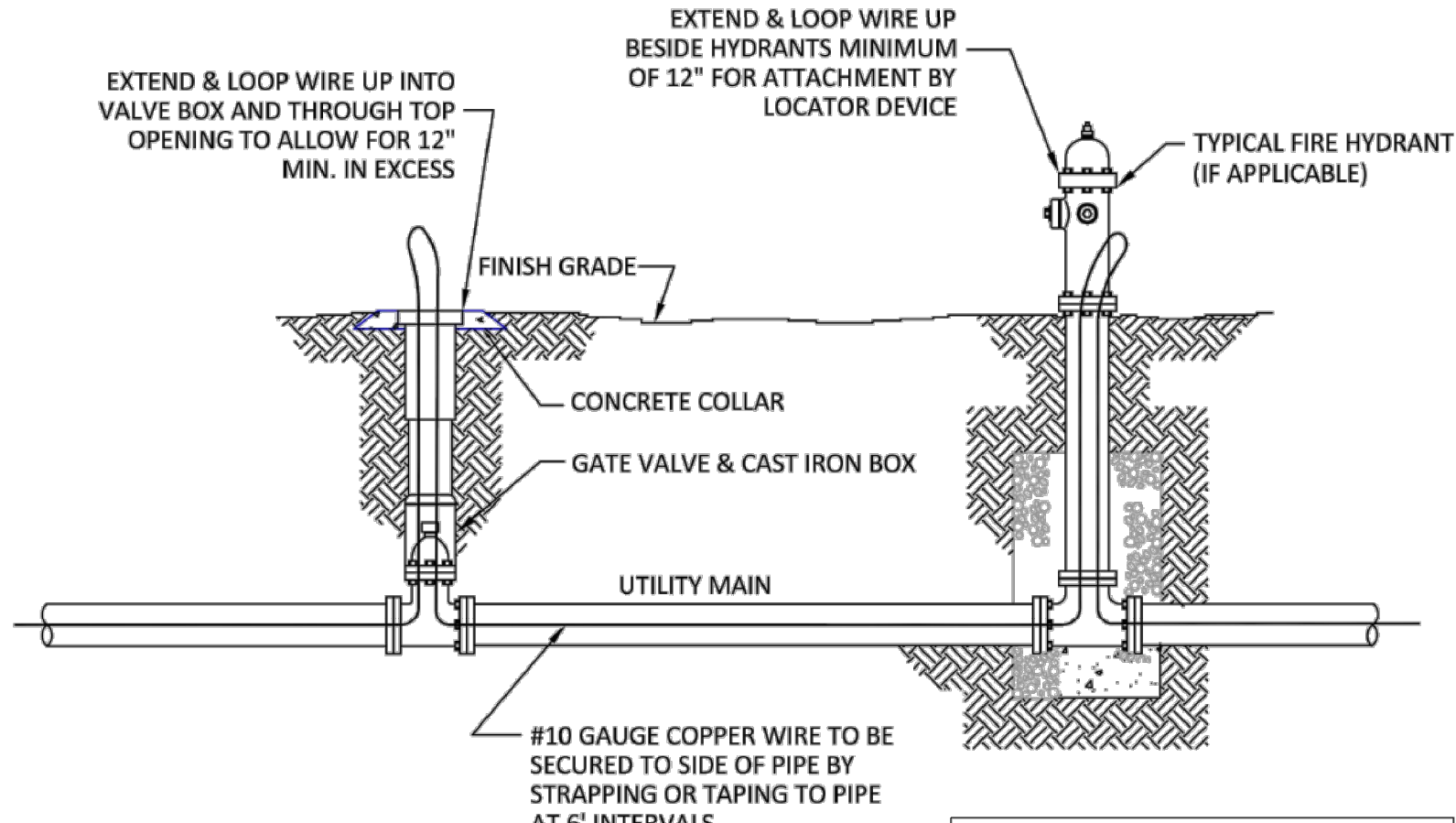


3 DAYS BEFORE DIGGING IN
 SOUTH CAROLINA
 CALL 1-888-721-7877

SHEET NO. **3**

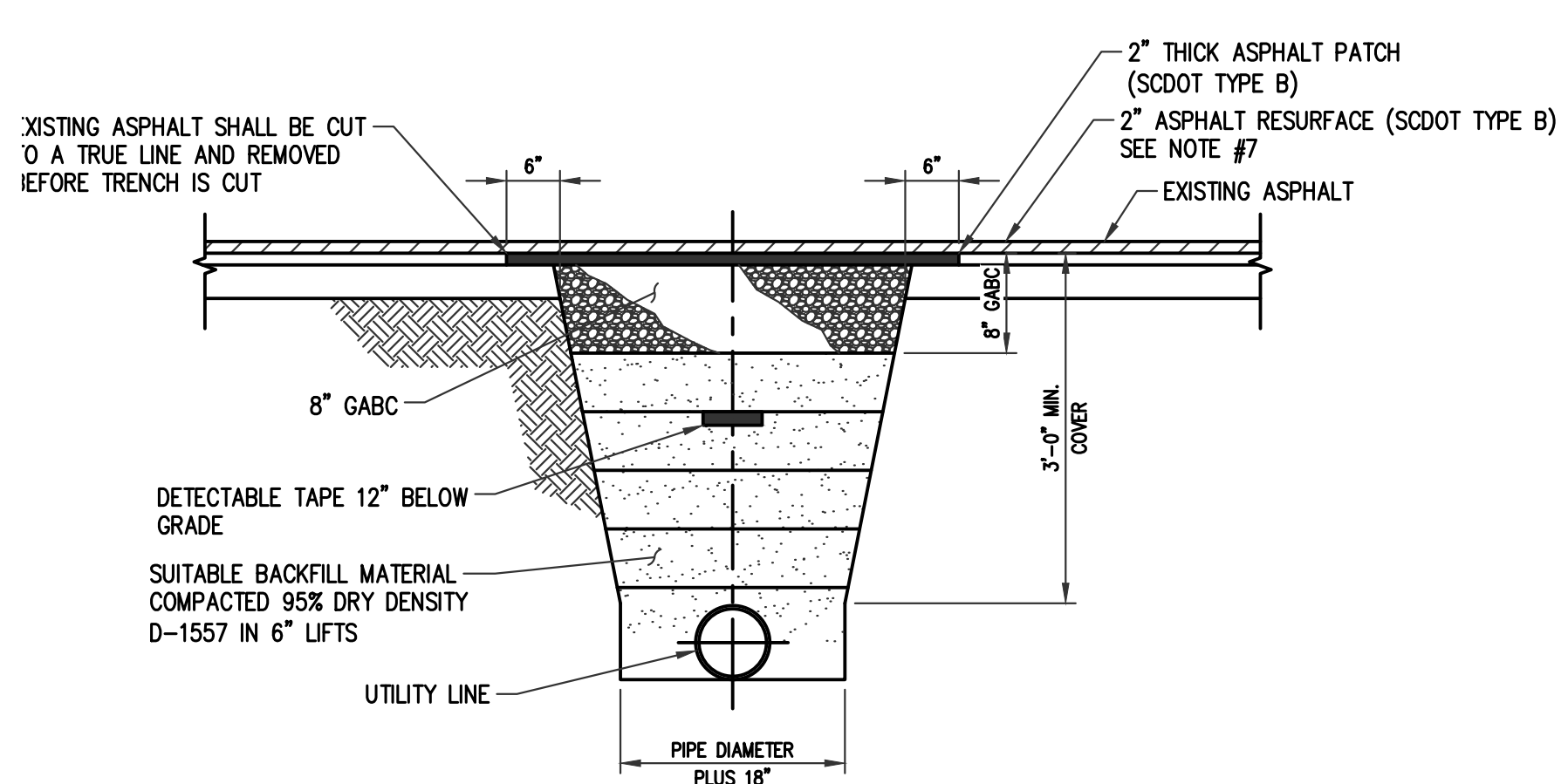
PALMETTO UTILITY PROTECTION SERVICE

JOB No: 22S0006



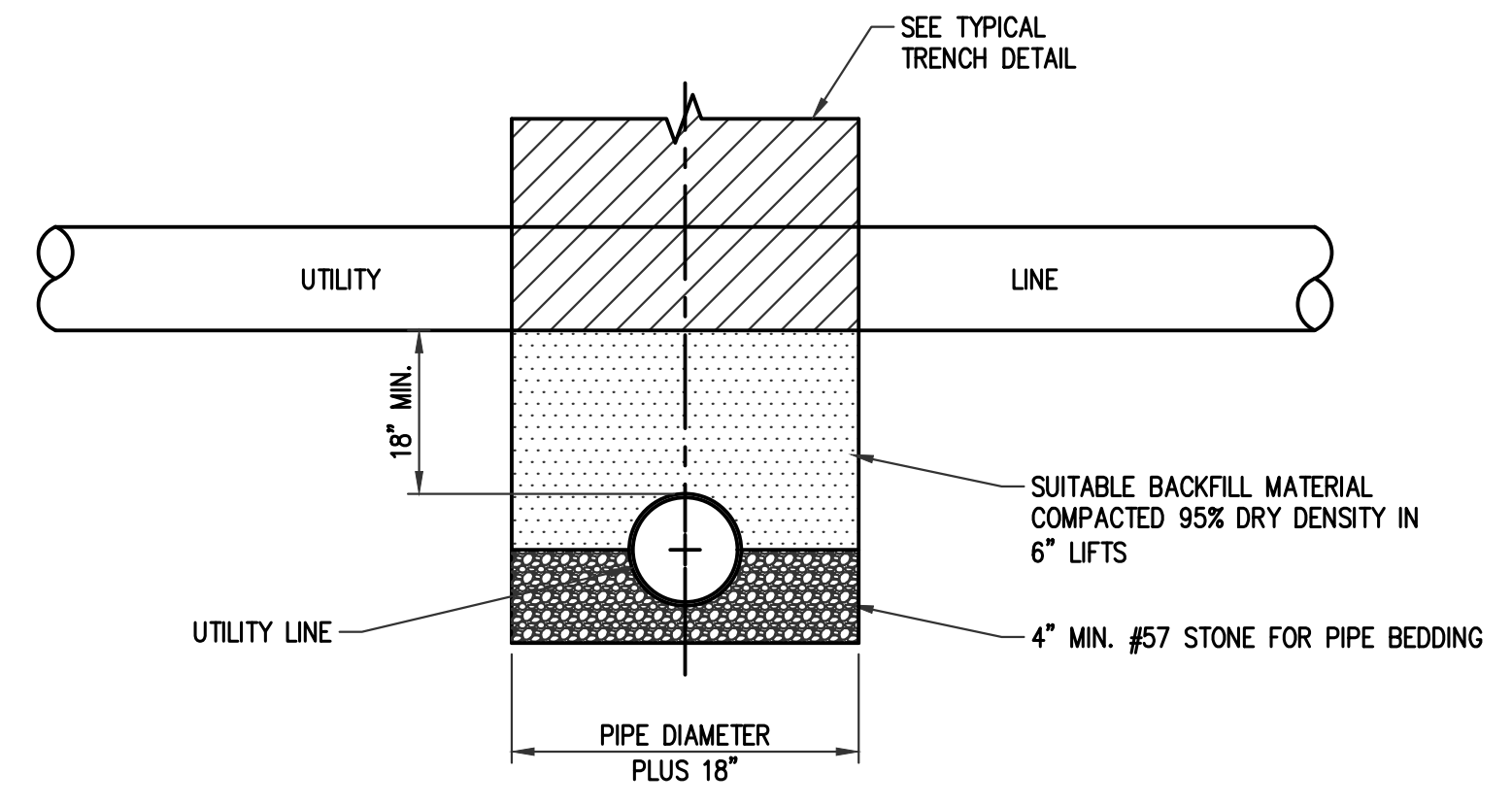
GENERAL NOTES:
 1. FIRE HYDRANT SHALL BE MUELLER 423 (5 #)
 2. ALL HYDRANTS SHALL BE PAINTED RED AND OPEN LEFT.

CITY OF GEORGETOWN, SC		
TYPICAL LOCATOR WIRE INSTALLATION-SECTION		
UPDATED	SCALE	NO.
DRAWN	CHECKED	



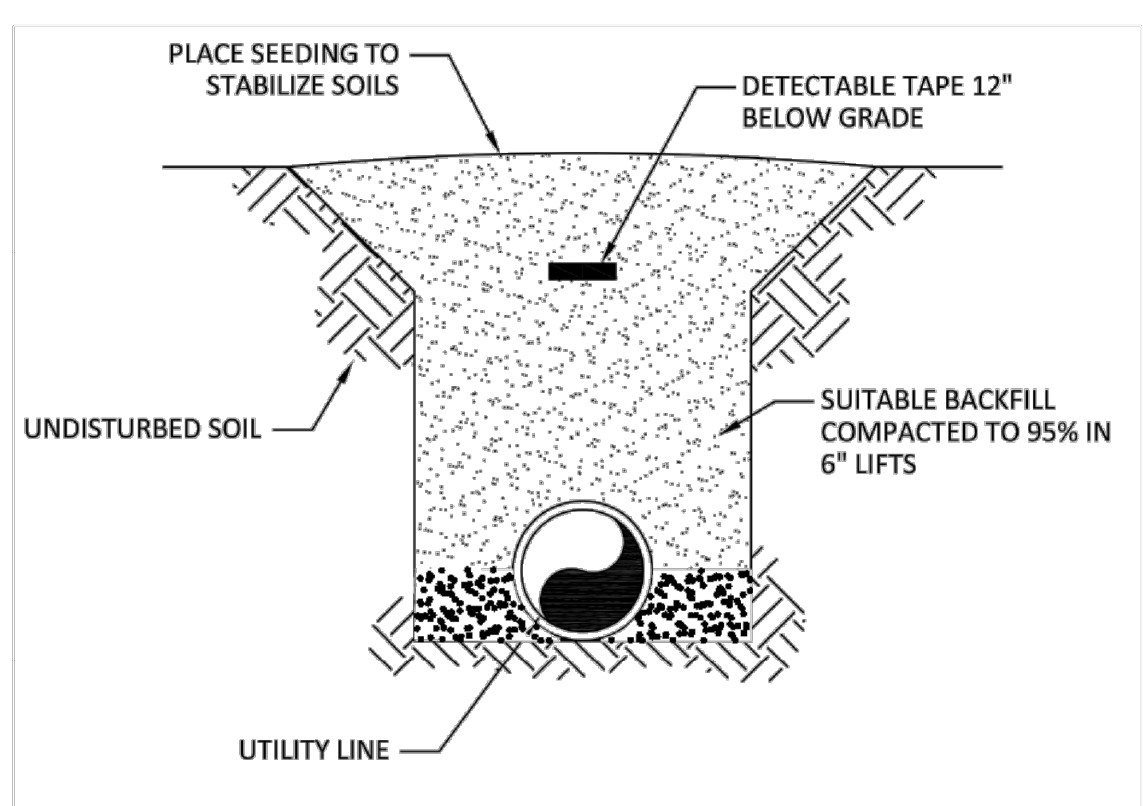
- NOTES:**
1. ALL REPAIRS TO BE IN ACCORDANCE WITH THE SCODT SPECIFICATIONS AND THESE SPECIFICATIONS.
 2. TRENCH SHALL BE BACKFILLED AND THOROUGHLY TAMPED WITH SUITABLE MATERIAL TO THE LEVEL OF THE STONE.
 3. REPAIRS BY THE CONTRACTOR SHALL BE CONDUCTED WITH THE LEAST INTERFERENCE TO TRAFFIC.
 4. WHERE EXISTING ASPHALT IS INSUFFICIENT THICKNESS TO DEVELOP A TIGHT SEAL WITH THE NEW SURFACE, OVERLAP EXISTING SURFACE AS PER SPECIFICATIONS.
 5. SEE SPECS. FOR UTILITY LINE BEDDING / BACKFILL REQUIREMENTS.
 6. 3'-0" MINIMUM COVER FOR WATER MAINS AND WASTEWATER LINES.
 7. ASPHALT DRIVEWAYS IN SCODT RIGHT-OF-WAY TO BE RESURFACED FROM EDGE OF PAVEMENT TO THE RIGHT-OF-WAY LINE.
 8. INSTALL 10" BASE COURSE TO TOP OF EXISTING ASPHALT. EXCAVATE 2" BASE COURSE TO PLACE ASPHALT COURSE (TYPE B) FLUSH TO EXISTING ASPHALT.

UTILITY MAIN IN PAVED DRIVE



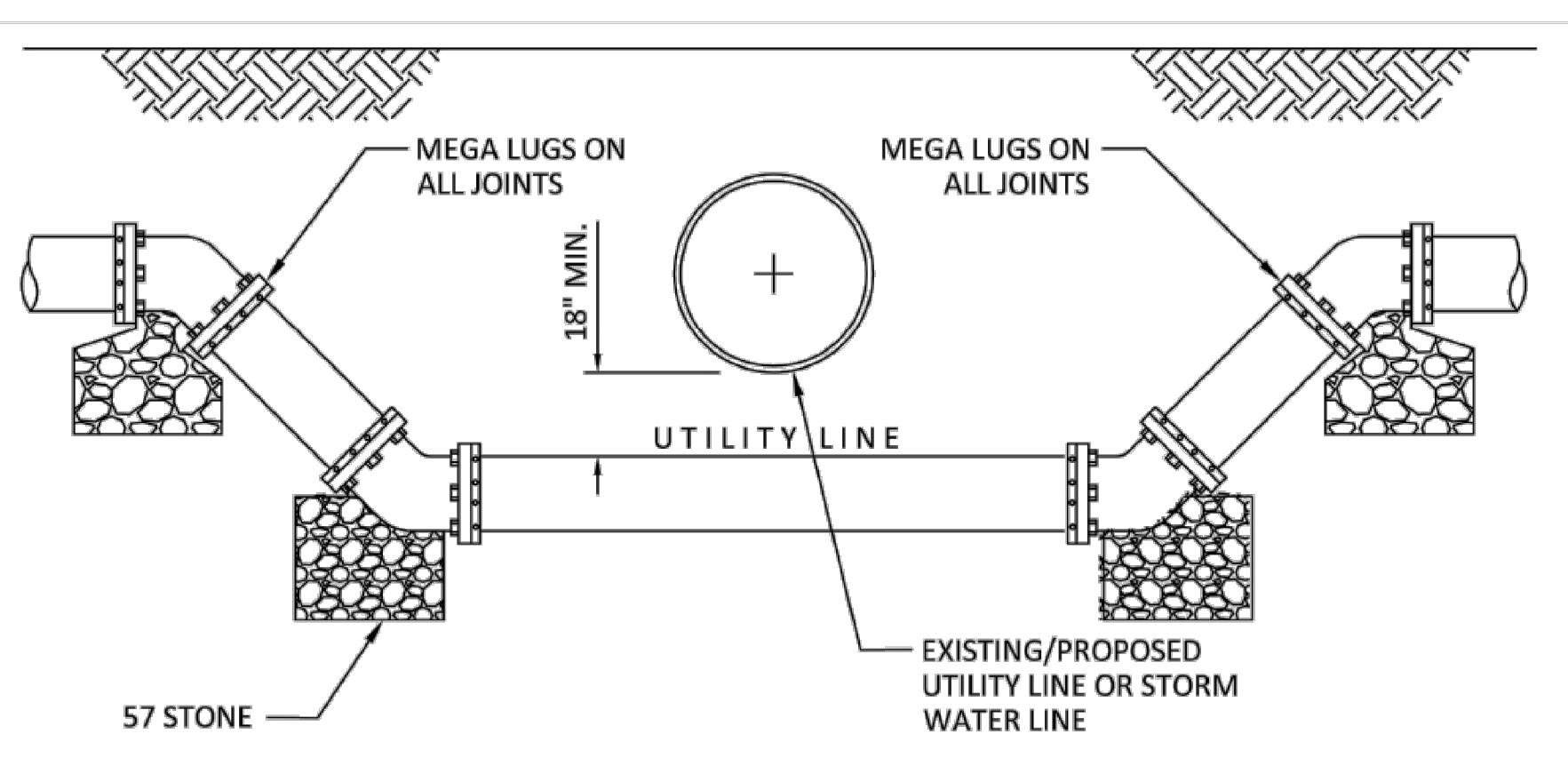
- NOTES:**
1. UTILITY LINES IN THIS DRAWING CONSIST OF WATER, WASTEWATER, AND STORMWATER LINES.
 2. WATER LINE AND WASTEWATER LINES SHALL BE PVC UNLESS VERTICAL SEPARATION DISTANCE BETWEEN LINES ARE LESS THAN 18", THEN USE DIP.
 3. ALL UTILITY LINES SHALL BE CENTERED TO ALLOW FOR THE GREATEST DISTANCE BETWEEN PIPE JOINTS.
 4. MATERIAL BETWEEN LINES SHALL BE COMPACTED TO PREVENT SETTLING OF ABOVE PIPING.

UTILITY LINE CROSSING NO. 1



- NOTES:**
1. FOR THE UTILITY LINE INSTALLATION THROUGH DRIVEWAYS REFER TO THE ASPHALT PAVEMENT REPAIR DETAIL.

CITY OF GEORGETOWN, SC		
TYPICAL TRENCH IN GRASSED AREA		
UPDATED	SCALE	NO.
10/02/14	N.T.S.	
DRAWN	CHECKED	
A.J.K		



- NOTES:**
1. USE PVC UNLESS SEPARATION DISTANCE BETWEEN WATER AND SANITARY SEWER LINE IS LESS THAN 18". IF SEPARATION DISTANCE CAN NOT BE MAINTAINED, THEN USE D.I.P.
 2. IF CROSSING A STORM PIPE, PROPOSED UTILITY LINE SHALL ALSO BE OFFSET A MINIMUM OF 36" HORIZONTALLY FROM END OF STORM PIPE.
 3. WHEN POSSIBLE, POTABLE WATER LINE SHALL CROSS ABOVE SANITARY SEWER LINE.

CITY OF GEORGETOWN, SC		
UTILITY LINE CROSSING NO. 2		
UPDATED	SCALE	NO.
DRAWN	CHECKED	

NO.	DATE	REVISIONS

ROWE PROFESSIONAL SERVICES COMPANY
 O: (843) 444-1020
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 www.rowepsc.com
 6009 N. Kings Highway
 Myrtle Beach, SC 29577

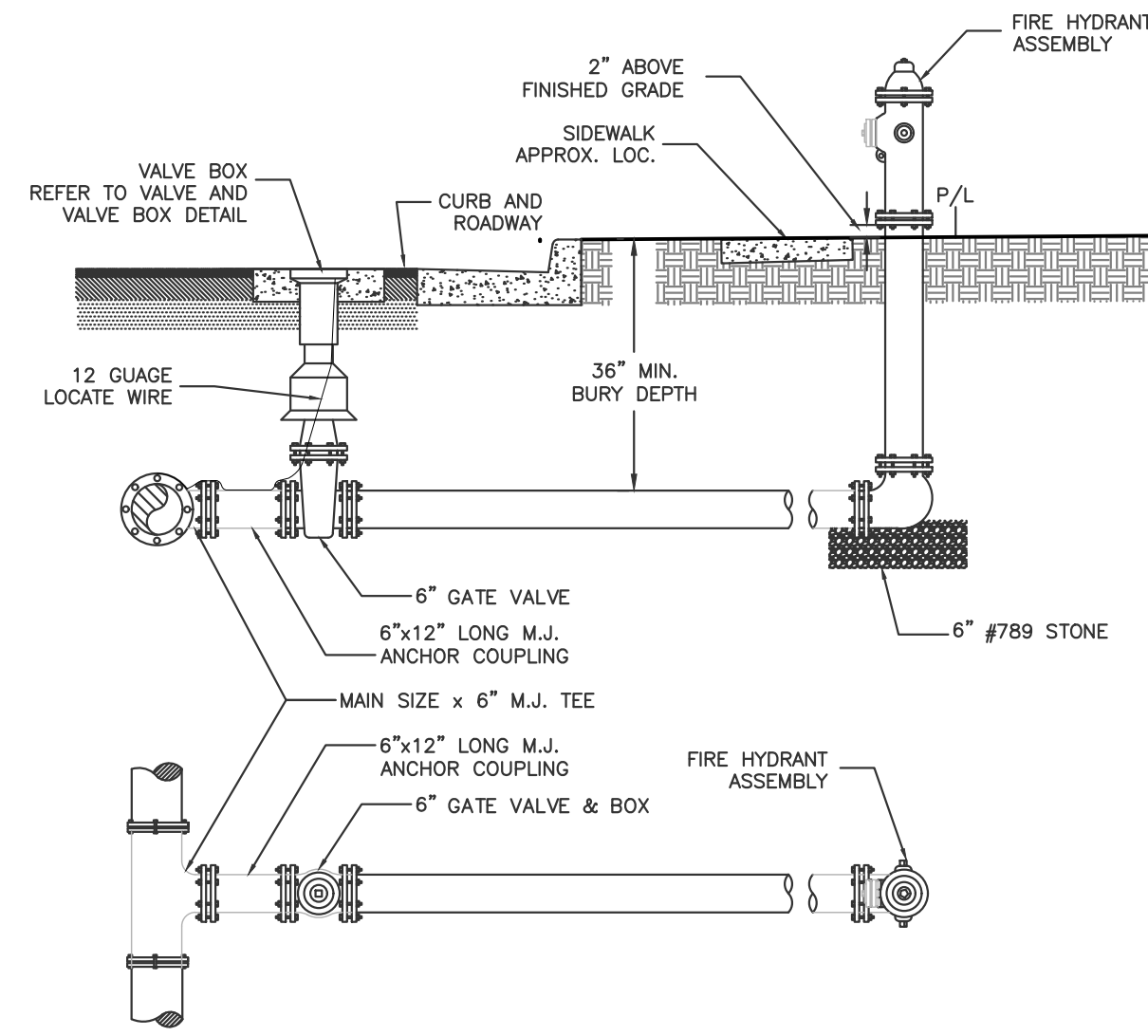
DETAIL SHEET
CITY OF GEORGETOWN
WEST END DISTRICT WATER MAIN UPGRADES
 STANDARD WATER MAIN DETAILS
 GEORGETOWN, COUNTY

SCALE: NTS
 PROJECT MGR: REH
 DESIGNED BY: REH
 CHECKED BY: XX
 DATE ISSUED: JAN 2022

3 DAYS BEFORE DIGGING IN SOUTH CAROLINA
 CALL 1-888-721-7877
 PALMETTO UTILITY PROTECTION SERVICE

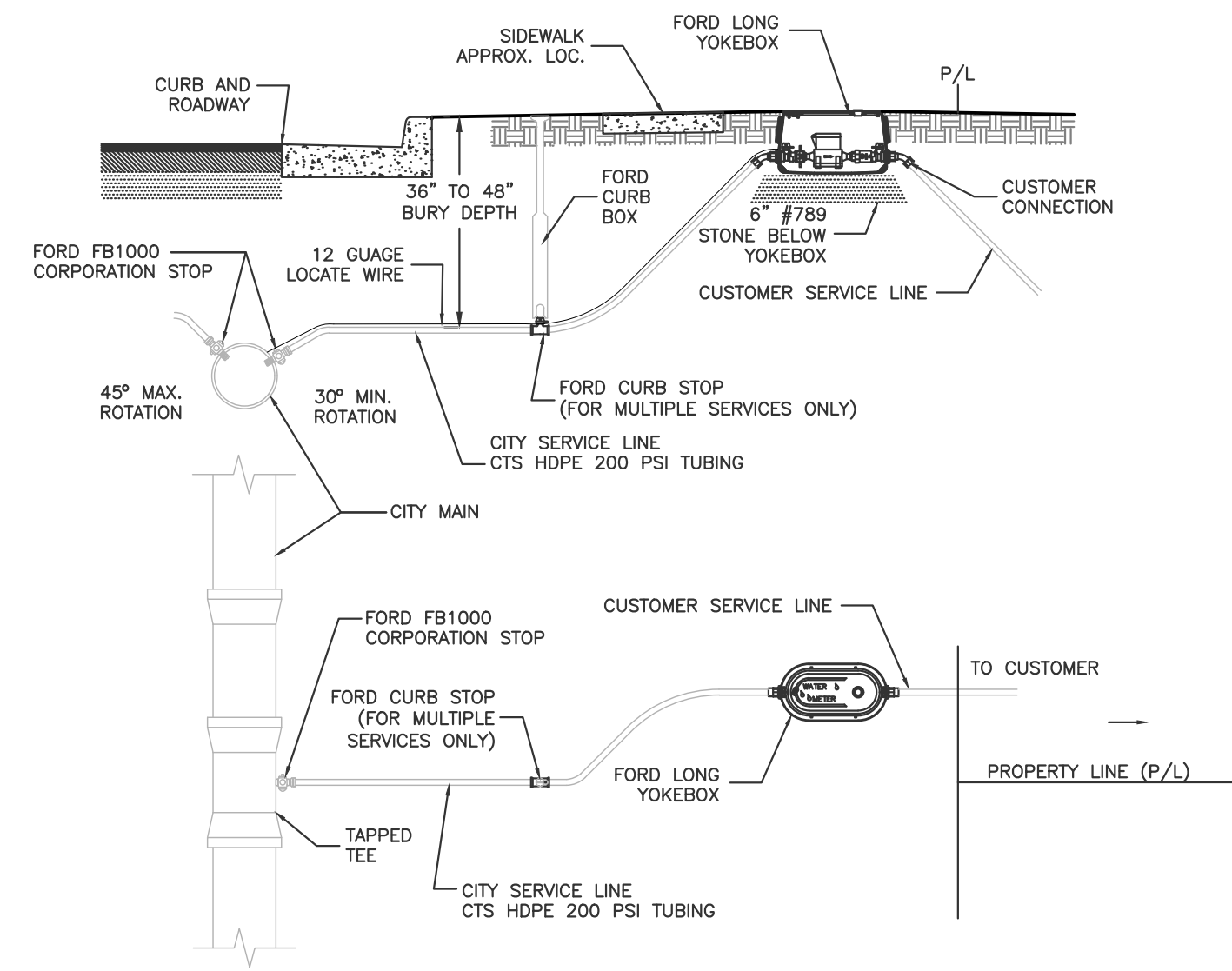
SHEET NO.
4
 JOB No: 22S0006

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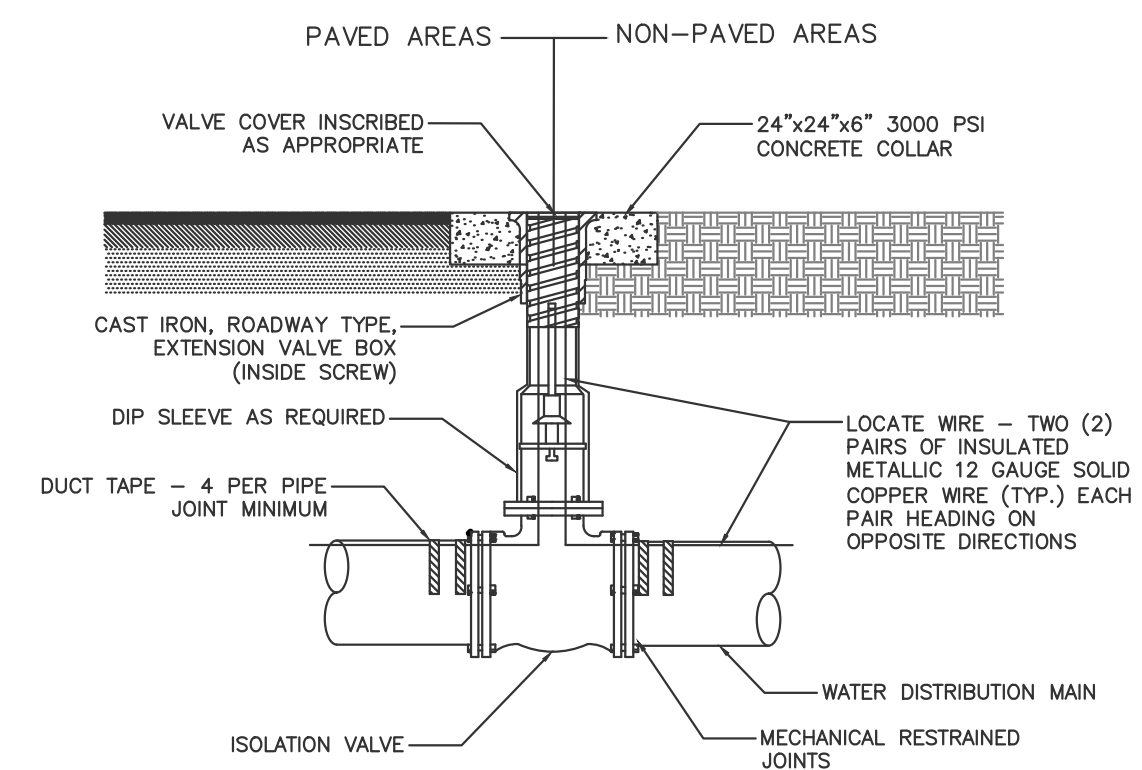
- GENERAL NOTES:**
1. REFER TO TRENCH DETAIL FOR BEDDING AND BACKFILL REQUIREMENTS.
 2. FIRE HYDRANT ASSEMBLY SHALL BE MULLER SUPER CENTURION A423-5-1/4" FIRE HYDRANT ASSEMBLY WITH INTEGRAL STORZ PUMPER CONNECTION ON THE PUMPER NOZZLE.
 3. PROVIDE A MINIMUM OF 36" CLEAR SPACE AROUND ALL HYDRANTS.
 4. SET HYDRANT WITH PUMPER NOZZEL FACING THE STREET AND BURY LINE 2" ABOVE FINISHED GRADE.
 5. ISOLATION VALVE SHALL BE MULLER SQUARE NUT 6" MECHANICAL JOINT, RESILENT SEAT GATE VALVE WITH VALVE BOX.
 6. ALL JOINTS SHALL BE MECHANICAL RESRTAINED. THRUST BLOCK ARE NOT PERMITTED.

STANDARD DETAIL
FIRE HYDRANT ASSEMBLY
PLAN AND PROFILE



- GENERAL NOTES:**
1. REFER TO STANDARD DETAIL C-9102 OR C-9103 TRENCH DETAIL FOR BEDDING REQUIREMENTS
 2. ALL PROPERTIES SHALL BE SERVED BY AT LEAST ONE INDIVIDUAL AND SEPARATE METER.
 3. NO MORE THAN ONE PROPERTY MAY BE SERVED FROM A SINGLE TAP ON THE CITY MAIN
 4. WATER METER REMOTE READ NODES SHALL BE
 - 4.1. SUPPLIED BY THE CITY
 - 4.2. ITRON WATER METER NODE W/ITRON I/O CABLE, MODEL 10255X42G21
 - 4.3. ITRON WATER METER LID LOCK & ADAPTOR KIT, MODEL CT-NO-0089
 5. METER BOXES SHALL BE
 - 5.1. LOCATED IN AREAS NOT SUBJECT TO VEHICULAR TRAFFIC
 - 5.2. FORD LONG YOKEBOX
 - 5.1.1. 3/4" METER - LVLBB-244-244-TP-NL
 - 5.1.2. 1" METER - LVLBB-144-444-TP-NL
 6. METERS SHALL BE
 - 6.1. SUPPLIED BY THE CITY
 - 6.2. BADGER RECORDAL DISC METERS
 - 6.1.1. 3/4" METER - MODEL 25
 - 6.1.2. 1" METER - MODEL 55

STANDARD DETAIL
3/4" AND 1" WATER SERVICE
PLAN AND PROFILE



- GENERAL NOTES:**
1. REFER TO STANDARD DETAIL C-9102 OR C-9103 TRENCH DETAIL FOR BEDDING AND BACKFILL REQUIREMENTS
 2. ISOLATION VALVES SHALL BE
 - 2.1. MUELLER SQUARE NUT FOR VALVES 2" THROUGH 12"
 - 2.2. HAMMOND FOR VALVES LESS THAN 2"
 3. ALL JOINTS SHALL BE MECHANICAL RESRTAINED. THRUST BLOCK ARE NOT PERMITTED.
 4. OPERATING NUT SHALL BE WITHIN 12" OF GRADE. EXTENSION TO BE PROVIDED AS REQUIRED.
 5. VALVE EXTENSION SHALL BE MECHANICALLY ATTACHED AND SHALL HAVE A STAINLESS STEEL PIN AT THE VALVE AND SHEAR PIN ONLY AT THE OPERATING NUT.
 6. EXTENSION ON VALVE BOX SHALL BE SET TO RESERVE 1/2 OF THE ADJUSTMENT LENGTH FOR FUTURE USE.
 7. PVC EXTENSIONS ARE NOT PERMITTED.
 8. LOCATING WIRES:
 - 8.1. ALL PVC PIPE SHALL REQUIRE TWO PAIRS OF INSULATED METALLIC LOCATING WIRES (12 GAUGE SOLID COPPER) TAPED WITH 2" WIDE DUCT TAPE TO TOP CENTERLINE OF THE PIPE AT EVERY JOINT AND AT 4 ADDITIONAL EQUALLY SPACED POINTS PER LENGTH OF PIPE.
 - 8.2. LOCATING WIRES TO TERMINATE 12" ABOVE VALVE BOX AND FOLDED BACK INSIDE BOX.
 - 8.3. LOCATING WIRES SHALL BE CAPABLE OF DETECTION BY A CABLE LOCATOR AND PASS A FIELD CONDUCTIVITY TEST, OBSERVED BY THE CITY, FROM END TO END OF WIRES.
 - 8.4. SPLICES SHALL BE CAPABLE OF COMPLETE SUBMERSSION, SUCH AS BUTT SPLICE WITH RAYCHEM HEAT SHRINK TUBING.
 - 8.5. NO MORE THAN ONE SPLICE IN LOCATING WIRES BETWEEN VALVES IS ALLOWED.

STANDARD DETAIL
ISOLATION VALVE AND VALVE BOX
PLAN AND PROFILE

NO.	DATE	REVISIONS

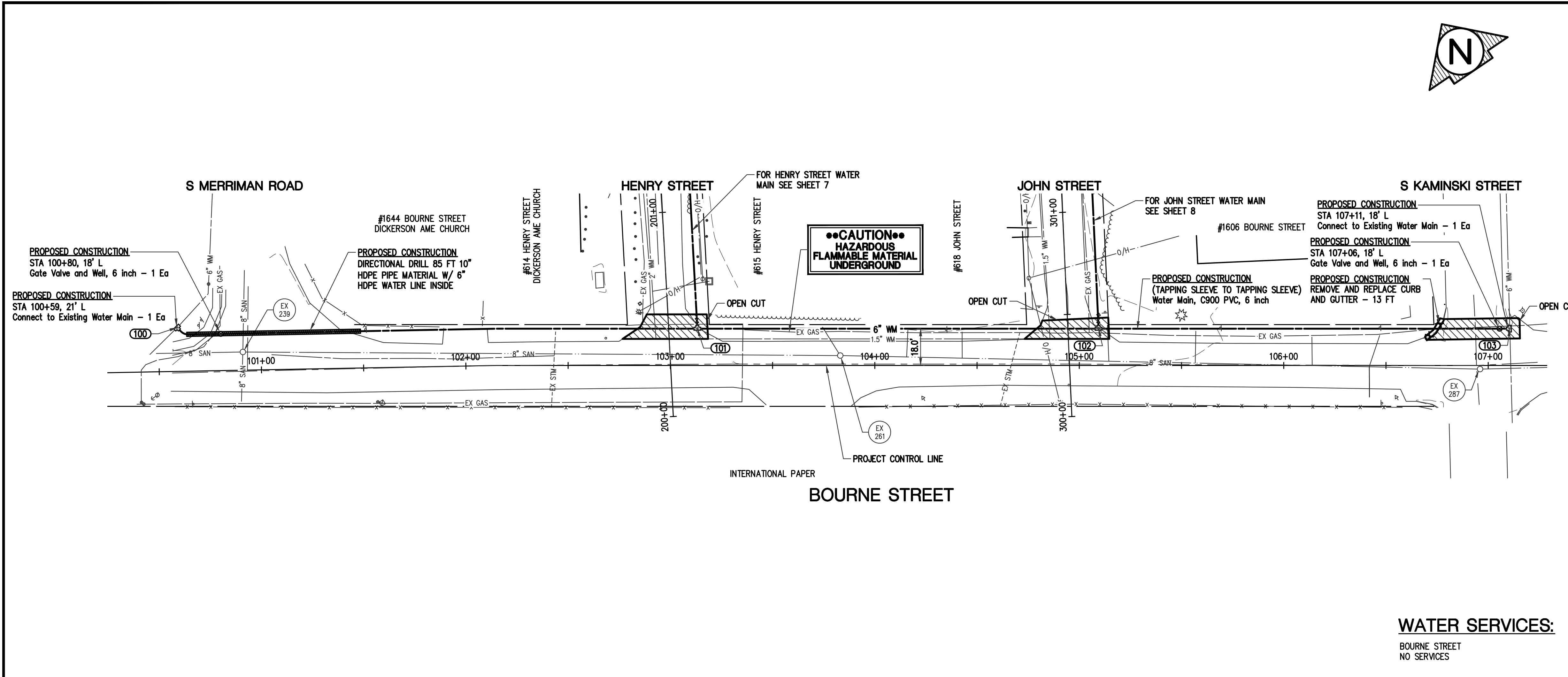
ROWE PROFESSIONAL SERVICES COMPANY
 O: (843) 444-1020
 F: (843) 448-3936
 www.rowepsc.com
 6009 N. Kings Highway
 Myrtle Beach, SC 29577

DETAIL SHEET
CITY OF GEORGETOWN
WEST END DISTRICT WATER MAIN UPGRADES
 STANDARD WATER MAIN DETAILS
 GEORGETOWN, COUNTY

SCALE: NTS
 PROJECT MGR: REH
 DESIGNED BY: REH
 CHECKED BY: XX
 DATE ISSUED: JAN 2022

3 DAYS BEFORE DIGGING IN
 SOUTH CAROLINA
 CALL 1-888-721-7877
 PALMETTO UTILITY PROTECTION SERVICE

SHEET NO.
5
 JOB No: 22S0006



STRUCTURE INFORMATION

MH# 239
TYPE: SANITARY
COVER: SOLID
RM= 17.63
8"± CONC NE INV.=12.43
8"± CONC NW INV.=12.53
8"± CONC SW INV.=12.53
8"± CONC SE INV.=12.63

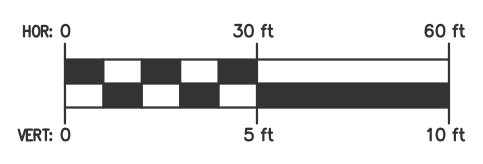
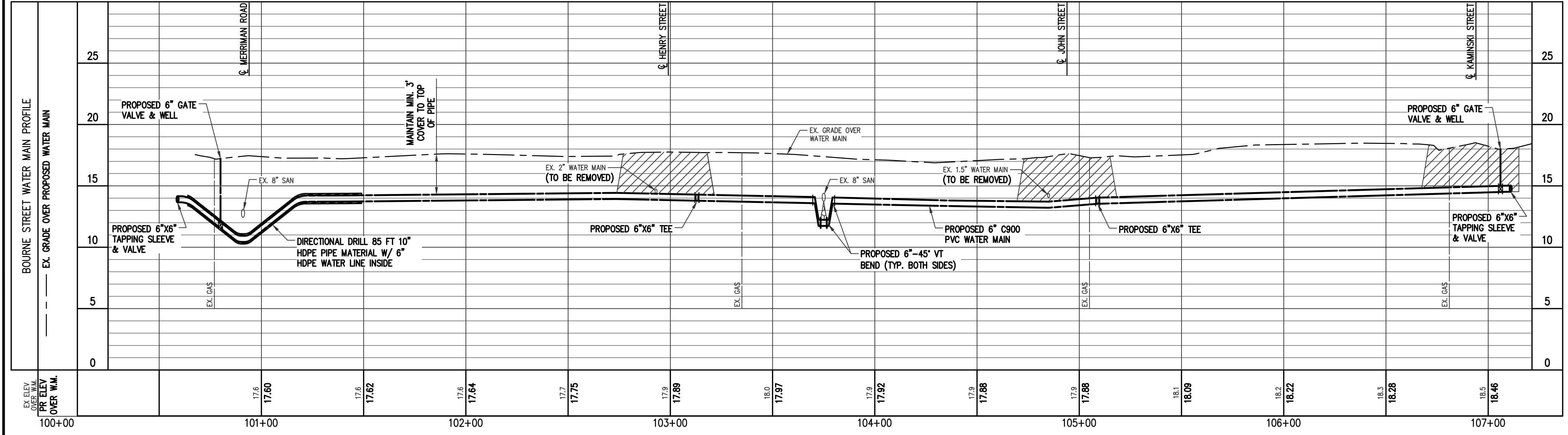
MH# 261
TYPE: SANITARY
COVER: SOLID
RM= 17.84
8"± CONC N INV.=14.14
8"± CONC NW INV.=13.74
8"± CONC SE INV.=13.74

MH# 287
TYPE: SANITARY
COVER: SOLID
RM= 18.30
8"± CONC NW INV.=12.40
8"± CONC SE INV.=12.40

WATER MAIN FITTINGS			
POINT	DESCRIPTION	STATION	OFFSET
100	6" X 6" TAPPING SLEEVE	100+59.14	21.46' L
101	6" TEE	103+13.19	18.00' L
102	6" TEE	105+09.42	18.00' L
103	6" X 6" TAPPING SLEEVE	107+10.55	18.00' L

WATER MAIN NOTES:

- CONTRACTOR IS RESPONSIBLE TO FURNISH AND INSTALL THE NEW 6-IN. PVC MAIN AND SERVICE TAPS.
- OLD WATER MAIN AND SERVICES TO BE ABANDONED IN PLACE. THE CONTRACTOR IS RESPONSIBLE TO REMOVE OLD METER BOXES AND DISPOSE OF THEM.
- CONTRACTOR IS RESPONSIBLE TO FURNISH AND INSTALL NEW WATER METER BOXES.
- CONTRACTOR IS RESPONSIBLE FOR RE-INSTALLING EXISTING WATER METERS OR INSTALLING NEW METERS IN METER BOXES. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH CITY STAFF FOR CHANGE OVER.
- NEW METER BOXES SHALL BE PLACED IN PARALLEL TO EXISTING ONES TO MINIMIZE SHUTDOWN DISRUPTION.
- CONTRACTOR IS RESPONSIBLE TO DISCONNECT AND RE-CONNECT WATER SERVICES TO AND FROM METER BOXES.
- CONTRACTOR IS RESPONSIBLE FOR ALL SOIL BACKFILL COMPACTION TESTING, WATER LINE PRESSURE TESTING, BAC-T TESTING AND REPORTING.
- CITY STAFF WILL MONITOR INSTALLATION AND WITNESS TESTING.
- CONTRACTOR IS RESPONSIBLE TO PROVIDE AS-BUILT DRAWINGS CERTIFIED BY A PROFESSIONAL LAND SURVEYOR (PLS).
- THE CONTRACTOR SHALL FOLLOW THE CITY'S CLOSEOUT PROCEDURES.



PLACE CRUSHED 6AA STONE AT UTILITY CROSSINGS

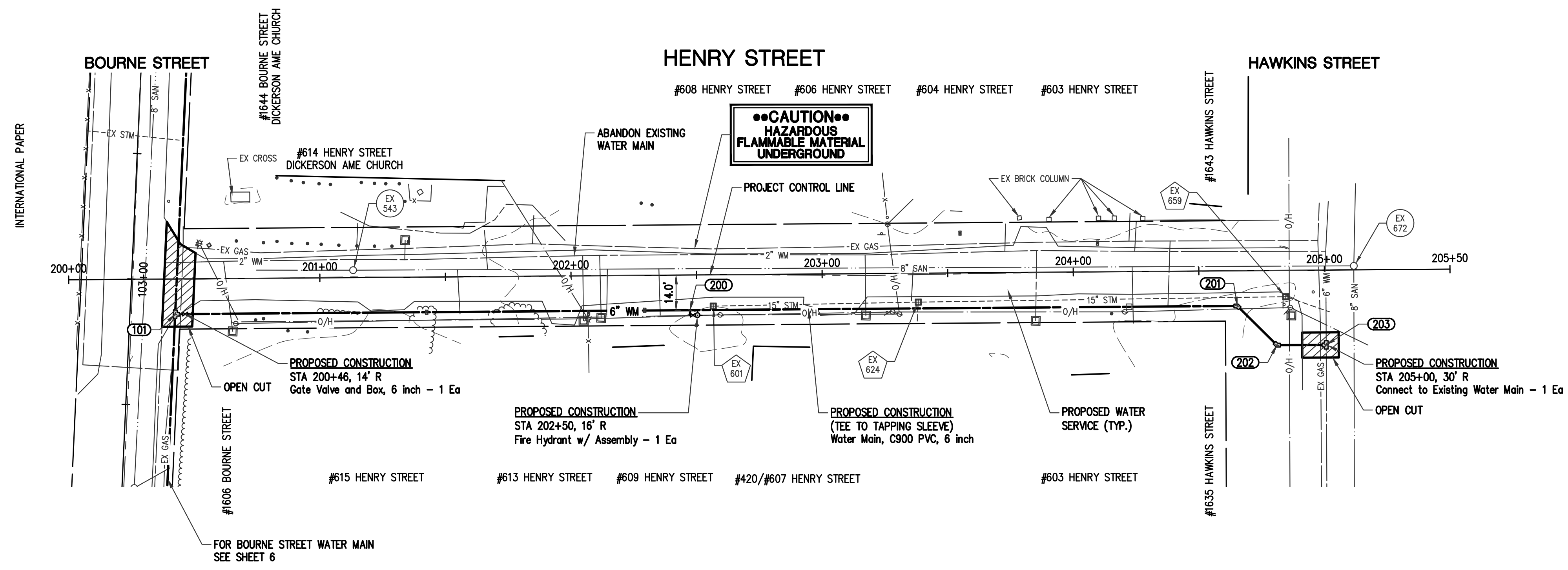
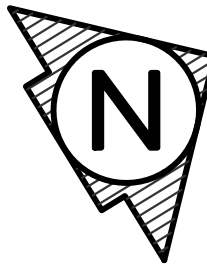
ROWE PROFESSIONAL SERVICES COMPANY
6009 N. Kings Highway
Myrtle Beach, SC 29577
O: (843) 444-1020
F: (843) 448-3936
www.rowepsc.com

WATER MAIN PLAN SHEET
CITY OF GEORGETOWN
WEST END DISTRICT WATER MAIN UPGRADES
BOURNE STREET STA 100+00 TO STA 107+00
GEORGETOWN, COUNTY

SCALE: 1"=30'
PROJECT MGR: REH
DESIGNED BY: REH
CHECKED BY: XX
DATE ISSUED: JAN 2022

SOUTH CAROLINA
PROFESSIONAL ENGINEER
NO. 24332
LANDSCAPE ARCHITECT

SHEET NO. **6**
JOB No: 22S0006



STRUCTURE INFORMATION

- MH# 543
TYPE: SANITARY
COVER: SOLID
RM= 17.54
8"± CONC SW INV.=12.64
8"± CONC NE INV.=12.64
- MH# 601
TYPE: STORM
COVER: FLAT GRATE
RM= 16.29
15" CPP SE INV.=13.79
15" CPP NE INV.=13.79
- MH# 624
TYPE: STORM
COVER: FLAT GRATE
RM= 15.72
15" CPP NE INV.=12.82
15" CPP SW INV.=12.82
15" CPP SE INV.=12.82
- MH# 659
TYPE: STORM
COVER: FLAT GRATE
RM= 15.66
15" CPP SW INV.=11.56
15" CPP NE INV.=11.56
- MH# 672
TYPE: SANITARY
COVER: SOLID
RM= 16.32
8"± CONC SW INV.=8.62
8"± CONC NW INV.=8.32
8"± CONC SE INV.=8.32

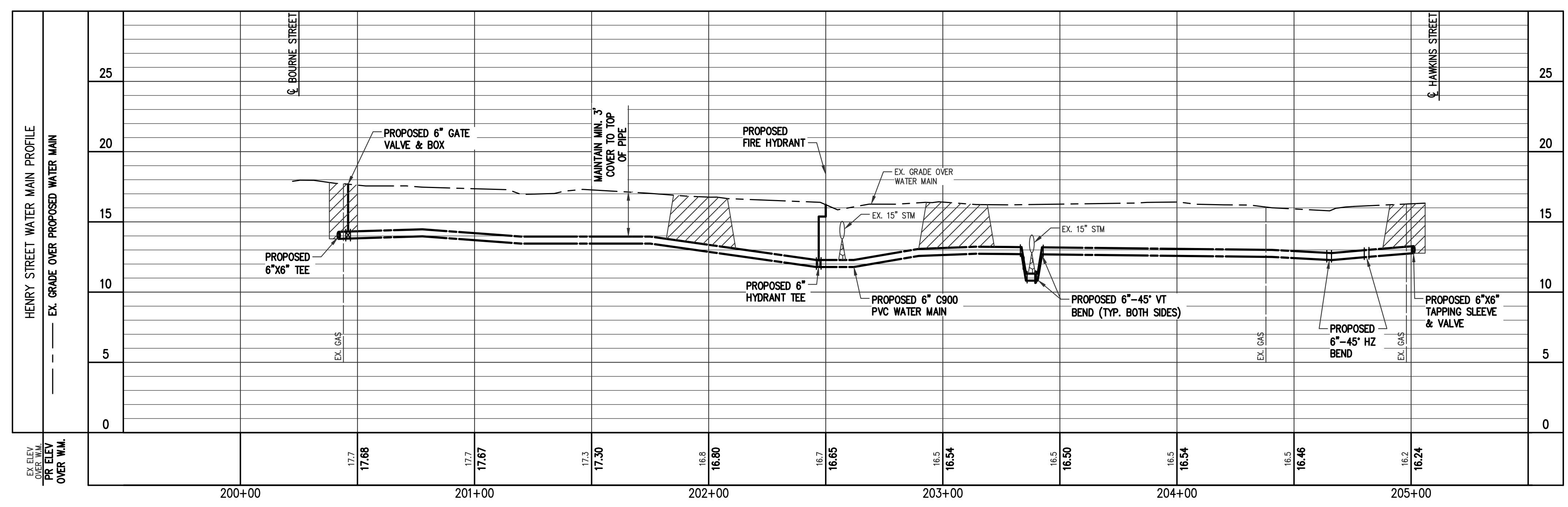
WATER MAIN FITTINGS			
POINT	DESCRIPTION	STATION	OFFSET
200	6" HYDRANT TEE	202+47.28	14.00' R
201	45° HZ BEND	204+65.23	14.00' R
202	45° HZ BEND	204+80.86	29.73' R
203	6" X 6" TAPPING SLEEVE	205+00.49	29.79' R

WATER SERVICES:

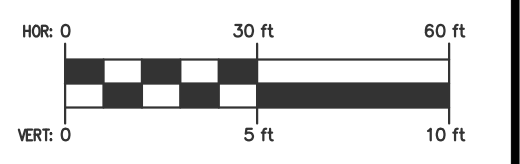
- HENRY STREET
3/4 INCH LONG SERVICE - 3 EA
3/4 INCH SHORT SERVICE - 5 EA

WATER MAIN NOTES:

1. CONTRACTOR IS RESPONSIBLE TO FURNISH AND INSTALL THE NEW 6-IN. PVC MAIN AND SERVICE TAPS.
2. OLD WATER MAIN AND SERVICES TO BE ABANDONED IN PLACE. THE CONTRACTOR IS RESPONSIBLE TO REMOVE OLD METER BOXES AND DISPOSE OF THEM.
3. CONTRACTOR IS RESPONSIBLE TO FURNISH AND INSTALL NEW WATER METER BOXES.
4. CONTRACTOR IS RESPONSIBLE FOR RE-INSTALLING EXISTING WATER METERS OR INSTALLING NEW METERS IN METER BOXES. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH CITY STAFF FOR CHANGE OVER.
5. NEW METER BOXES SHALL BE PLACED IN PARALLEL TO EXISTING ONES TO MINIMIZE SHUTDOWN DISRUPTION.
6. CONTRACTOR IS RESPONSIBLE TO DISCONNECT AND RE-CONNECT WATER SERVICES TO AND FROM METER BOXES.
7. CONTRACTOR IS RESPONSIBLE FOR ALL SOIL BACKFILL COMPACTION TESTING, WATER LINE PRESSURE TESTING, BAC-T TESTING AND REPORTING.
8. CITY STAFF WILL MONITOR INSTALLATION AND WITNESS TESTING.
9. CONTRACTOR IS RESPONSIBLE TO PROVIDE AS-BUILT DRAWINGS CERTIFIED BY A PROFESSIONAL LAND SURVEYOR (PLS).
10. THE CONTRACTOR SHALL FOLLOW THE CITY'S CLOSEOUT PROCEDURES.



PLACE CRUSHED 6AA STONE AT UTILITY CROSSINGS



3 DAYS BEFORE DIGGING IN SOUTH CAROLINA
CALL 1-888-721-7877
PALMETTO UTILITY PROTECTION SERVICE

ROWE PROFESSIONAL SERVICES COMPANY
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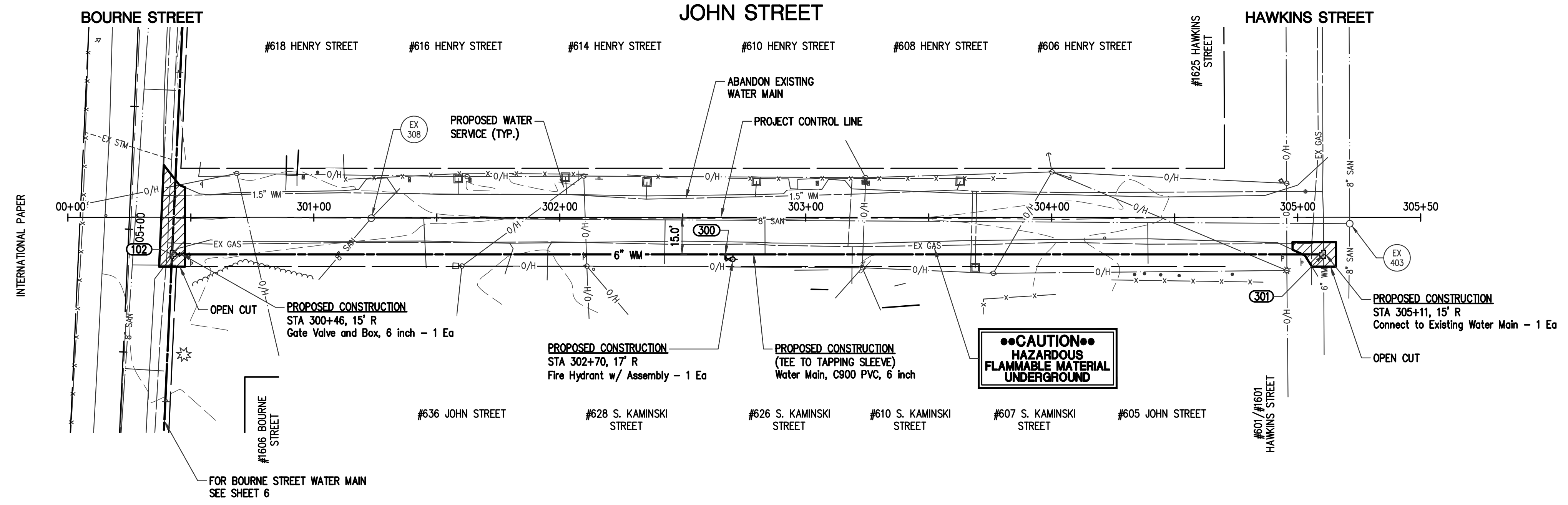
WATER MAIN PLAN SHEET
 CITY OF GEORGETOWN
 WEST END DISTRICT WATER MAIN UPGRADES
 HENRY STREET STA 200+00 TO 205+50
 GEORGETOWN, COUNTY

SCALE: 1"=30'
 PROJECT MGR: REH
 DESIGNED BY: REH
 CHECKED BY: XX
 DATE ISSUED: JAN 2022



SHEET NO.
7
 JOB No: 22S0006

E:\Projects\22S0006\Drawings\SP-22S006-WMP_BOURNE.dwg
 PLOTED: 5/2/2022 4:48 PM



STRUCTURE INFORMATION

MH# 308
 TYPE: SANITARY
 COVER: SOLID
 RM= 17.24
 8"± CONC NW INV.=13.04
 8"± CONC S INV.=13.04
 8"± CONC NE INV.=12.84

MH# 403
 TYPE: SANITARY
 COVER: SOLID
 RM= 16.80
 8"± CONC SW INV.=8.40
 8"± CONC NW INV.=8.00
 8"± CONC SE INV.=8.00

WATER MAIN FITTINGS			
POINT	DESCRIPTION	STATION	OFFSET
300	6" HYDRANT TEE	302+67.33	15.00' R
301	6" X 6" TAPPING SLEEVE	305+10.55	15.00' R

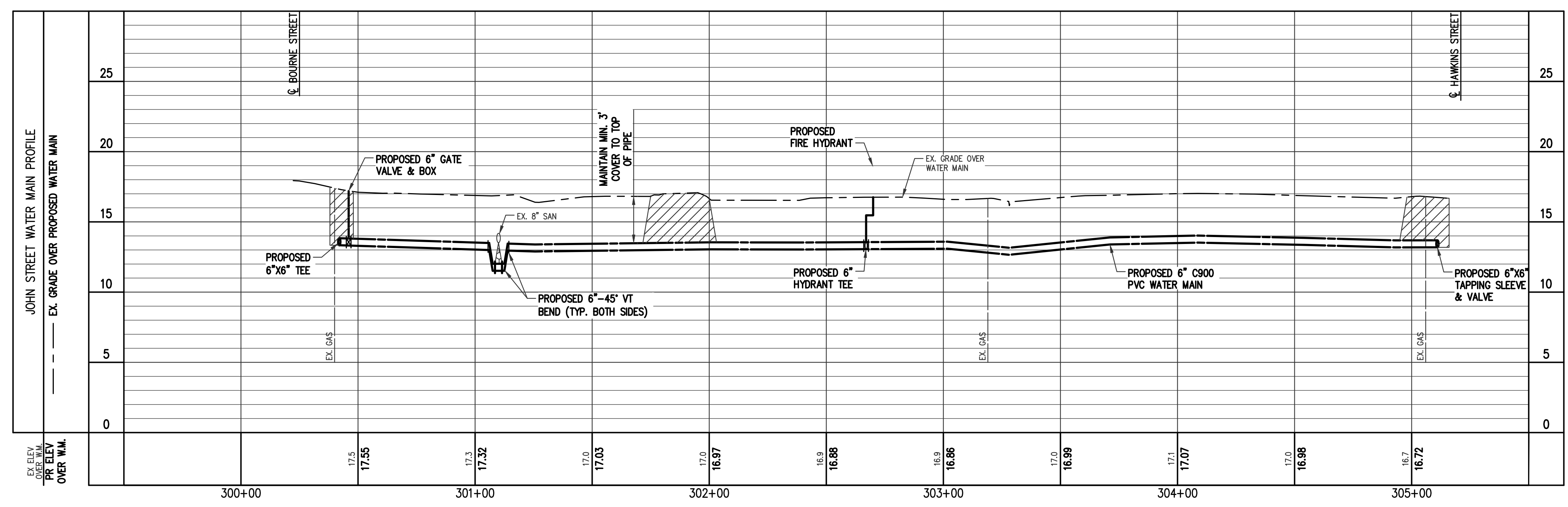
CAUTION
 HAZARDOUS
 FLAMMABLE MATERIAL
 UNDERGROUND

WATER SERVICES:

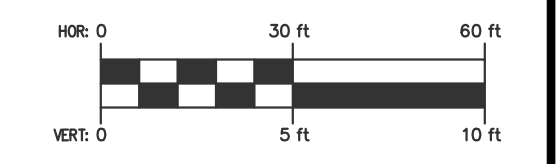
JOHN STREET
 3/4 INCH LONG SERVICE - 6 EA
 3/4 INCH SHORT SERVICE - 1 EA

WATER MAIN NOTES:

- CONTRACTOR IS RESPONSIBLE TO FURNISH AND INSTALL THE NEW 6-IN. PVC MAIN AND SERVICE TAPS.
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- CONTRACTOR IS RESPONSIBLE FOR RE-INSTALLING EXISTING WATER METERS OR INSTALLING NEW METERS IN METER BOXES. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH CITY STAFF FOR CHANGE OVER.
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- CONTRACTOR IS RESPONSIBLE FOR ALL SOIL BACKFILL COMPACTION TESTING, WATER LINE PRESSURE TESTING, BAC-T TESTING AND REPORTING.
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- THE CONTRACTOR SHALL FOLLOW THE CITY'S CLOSEOUT PROCEDURES.



PLACE CRUSHED 6AA STONE AT UTILITY CROSSINGS



3 DAYS BEFORE DIGGING IN
 SOUTH CAROLINA
 CALL 1-888-721-7877
 PALMETTO UTILITY PROTECTION SERVICE

ROWE PROFESSIONAL SERVICES COMPANY
 6009 N. Kings Highway
 Myrtle Beach, SC 29577
 O: (843) 444-1020
 F: (843) 448-3936
 www.rowepsc.com

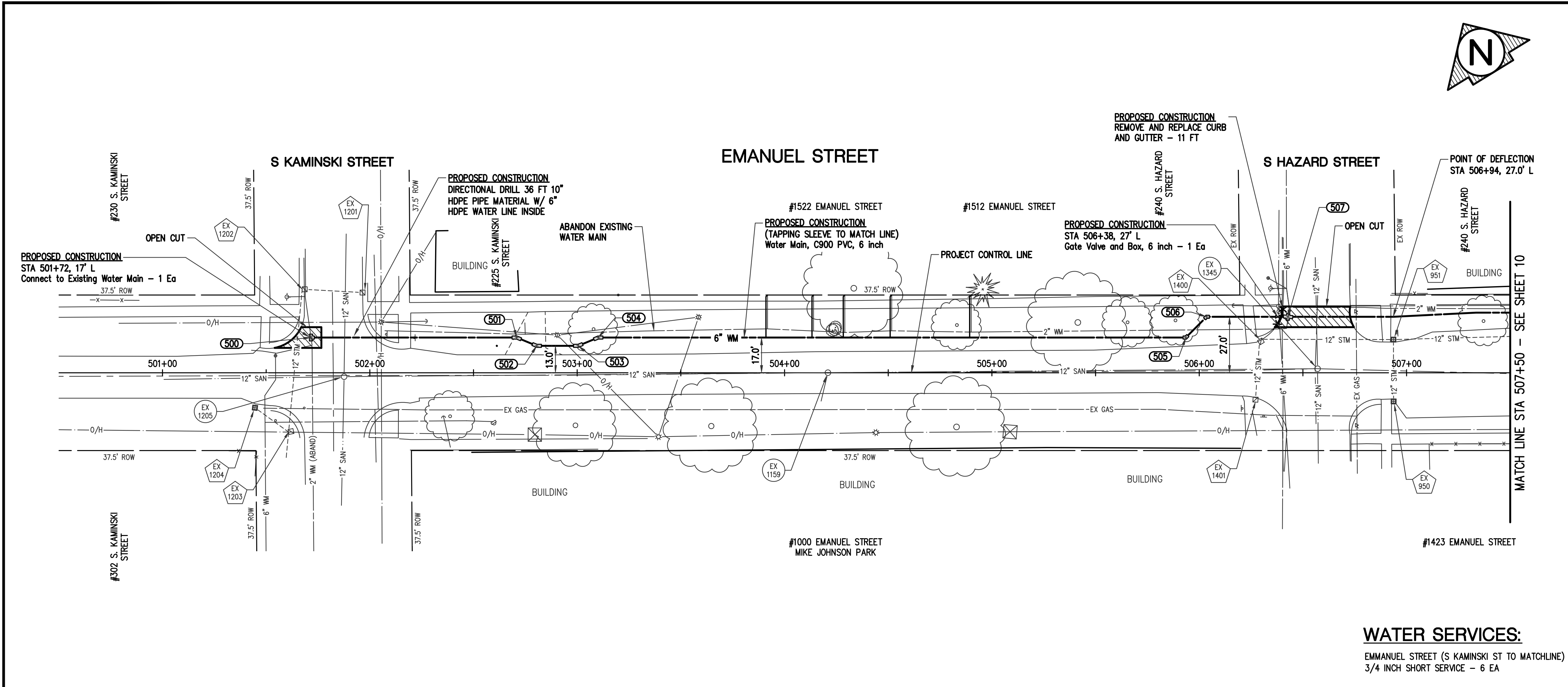
WATER MAIN PLAN SHEET
CITY OF GEORGETOWN
WEST END DISTRICT WATER MAIN UPGRADES
 JOHN STREET STA 300+00 TO 305+50
 GEORGETOWN, COUNTY

SCALE: 1"=30'
 PROJECT MGR: REH
 DESIGNED BY: REH
 CHECKED BY: XX
 DATE ISSUED: JAN 2022

PROFESSIONAL LAND SURVEYOR
 SOUTH CAROLINA
 No. 24832
 GEORGETOWN, SOUTH CAROLINA

SHEET NO.
8

JOB No: 22S0006



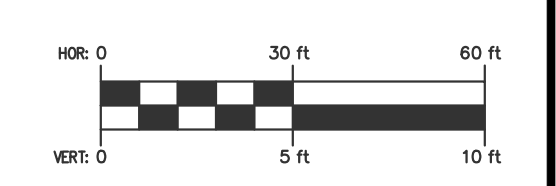
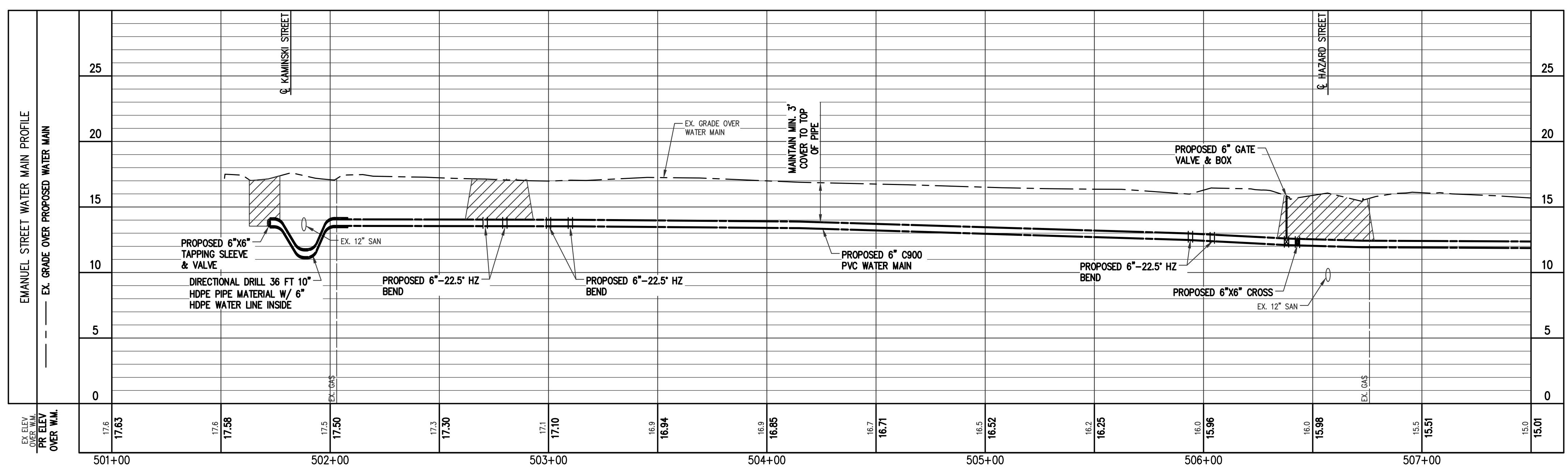
EX STRUCTURE INVENTORIES	EX STRUCTURE INVENTORIES
EX 1159 RM = 17.59 12" NW = 11.52 12" SE = 11.52 6" SW = 14.12	EX 950 RM = 15.00 12" NE = 12.30
EX 1205 RM = 17.56 12" NW = 11.56 12" SE = 11.26 12" SW = 13.28 12" NW = 12.36 12" NE = 13.18	EX 951 RM = 14.86 12" NW = 11.56 12" SE = 11.26 12" SW = 12.16
EX 1345 RM = 16.11 12" NW = 9.81 12" SW = 9.51 12" NE = 9.31	EX 1201 RM = 17.01 12" NW = 15.26
	EX 1202 RM = 16.99 12" SE = 15.24 12" SW = 15.04
	EX 1203 RM = 17.00 12" NE = 14.20 12" NW = 14.20 12" SW = 14.20
	EX 1204 RM = 16.61 12" SE = 14.21
	EX 1400 RM = 15.09 12" SW = 11.99 12" SE = 11.89
	EX 1401 RM = 15.04 12" NE = 12.54

WATER MAIN FITTINGS			
POINT	DESCRIPTION	STATION	OFFSET
501	6" X 6" TAPPING SLEEVE	501+71.60	17.00' L
502	22.5" HZ BEND	502+70.83	17.00' L
503	22.5" HZ BEND	502+80.49	13.00' L
504	22.5" HZ BEND	503+00.49	13.00' L
505	45" HZ BEND	503+10.15	17.00' L
506	45" HZ BEND	505+93.56	17.00' L
507	6" X 6" CROSS	506+03.56	27.00' L
		506+42.84	27.00' L

WATER SERVICES:
EMMANUEL STREET (S KAMINSKI ST TO MATCHLINE)
3/4 INCH SHORT SERVICE - 6 EA

WATER MAIN NOTES:

- CONTRACTOR IS RESPONSIBLE TO FURNISH AND INSTALL THE NEW 6-IN. PVC MAIN AND SERVICE TAPS.
- OLD WATER MAIN AND SERVICES TO BE ABANDONED IN PLACE. THE CONTRACTOR IS RESPONSIBLE TO REMOVE OLD METER BOXES AND DISPOSE OF THEM.
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PALMETTO UTILITY PROTECTION SERVICE

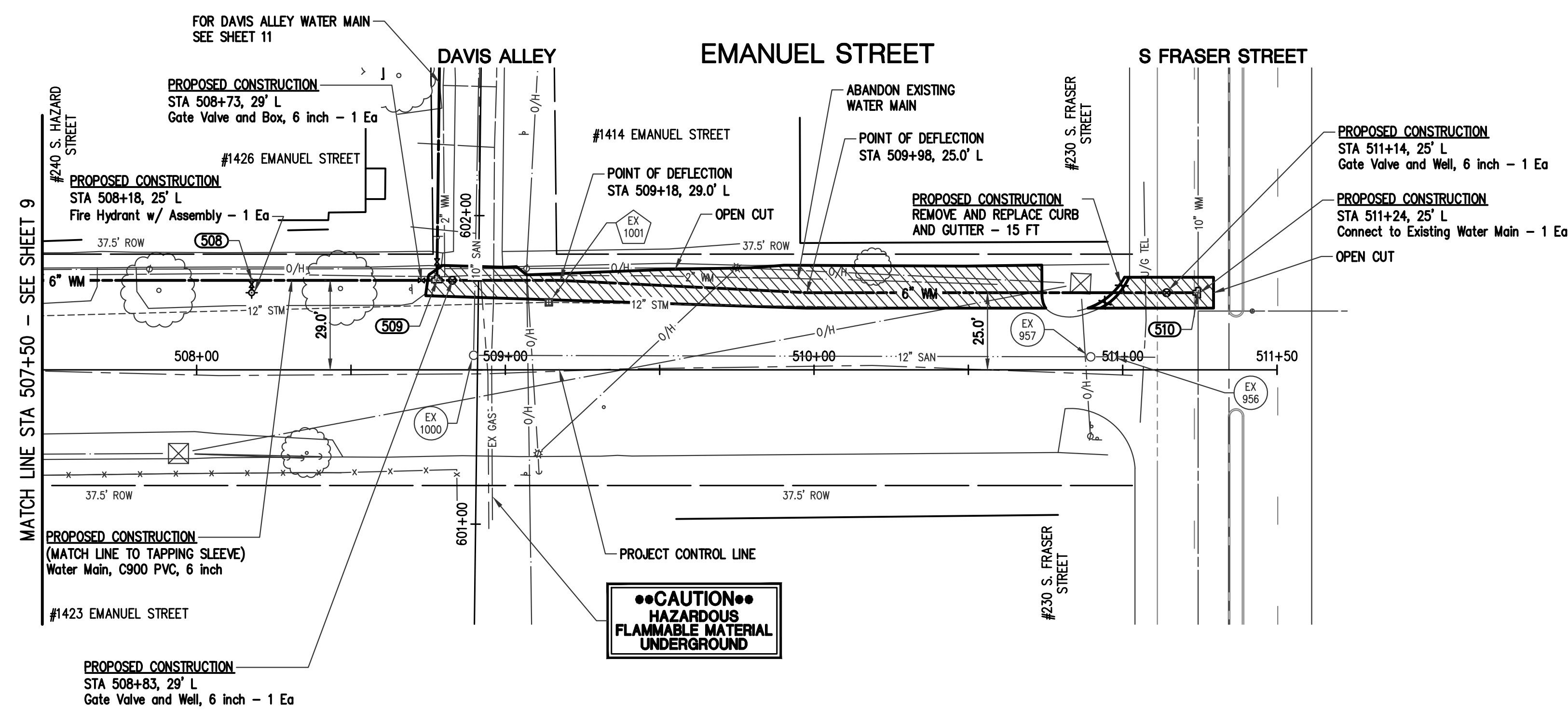
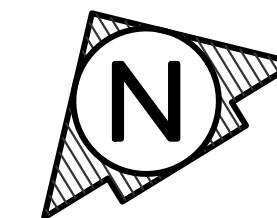
ROWE PROFESSIONAL SERVICES COMPANY
 O: (843) 444-1020
 F: (843) 448-3936
 www.rowepsc.com
 6009 N. Kings Highway
 Myrtle Beach, SC 29577

WATER MAIN PLAN SHEET
CITY OF GEORGETOWN
WEST END DISTRICT WATER MAIN UPGRADES
 EMMANUEL STREET STA 500+50 TO 507+50
 GEORGETOWN, COUNTY

SCALE: 1"=30'
 PROJECT MGR: REH
 DESIGNED BY: REH
 CHECKED BY: XX
 DATE ISSUED: JAN 2022

SOUTH CAROLINA
 PROFESSIONAL LAND SURVEYOR
 No. 24832
 GEORGETOWN, SOUTH CAROLINA

SHEET NO.
9
 JOB No: 22S006



EX STRUCTURE INVENTORIES	EX STRUCTURE INVENTORIES
EX 956 RM = 12.58 12" NW = 6.78 12" SE = 6.08	EX 1001 RM = 12.72 12" NW = 10.12 12" SE = 10.12
EX 957 RM = 12.80 12" NW = 8.50 12" SE = 6.20	
EX 1000 RM = 13.64 10" NE = 8.84 12" SE = 8.64	

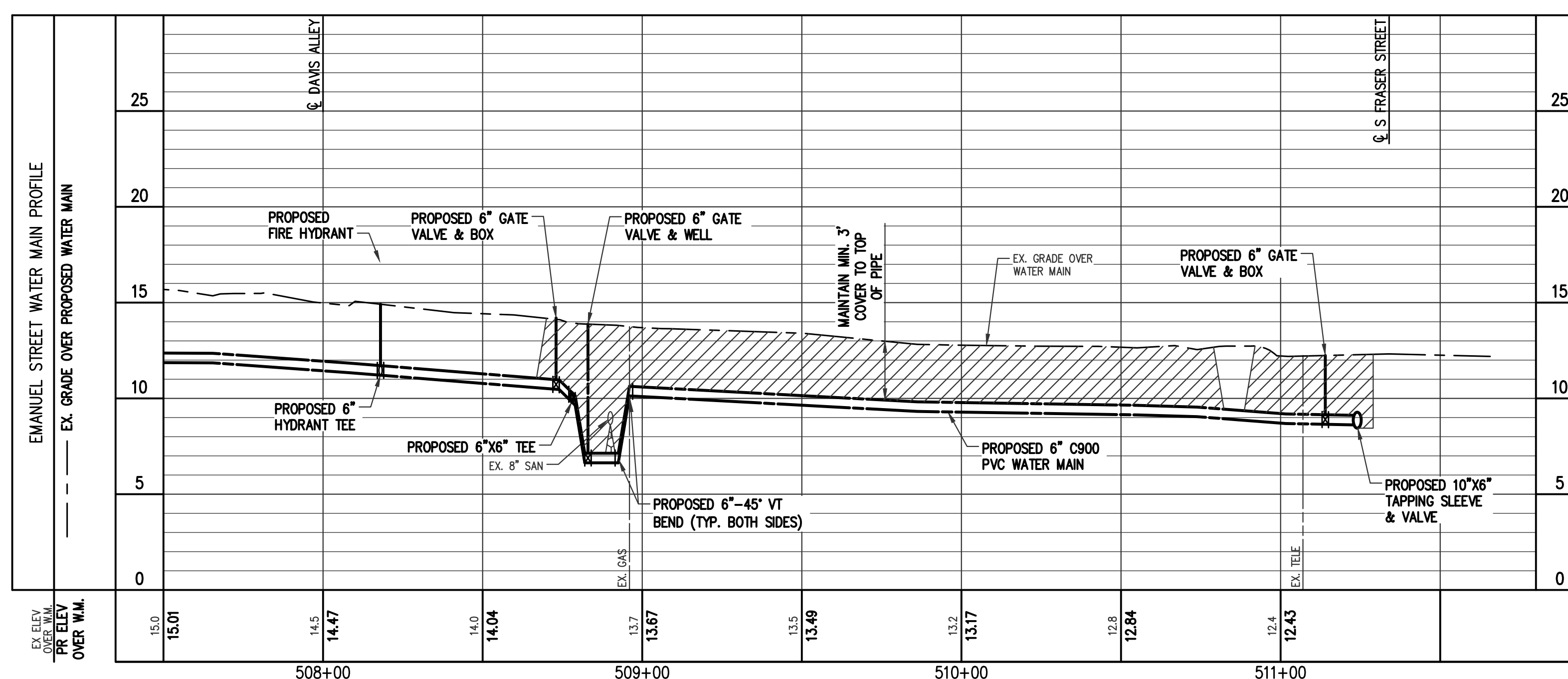
WATER MAIN FITTINGS			
POINT	DESCRIPTION	STATION	OFFSET
508	6" HYDRANT TEE	508+17.82	29.00' L
509	6" X6" TEE	508+77.82	29.00' L
510	10" X 6" TAPPING SLEEVE	511+24.41	25.00' L

WATER SERVICES:

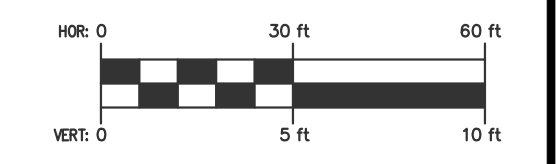
EMMANUEL STREET (MATCHLINE TO S FRASER ST)
NO SERVICES

WATER MAIN NOTES:

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PLACE CRUSHED 6AA STONE AT UTILITY CROSSINGS



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PALMETTO UTILITY PROTECTION SERVICE

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 (843) 448-3936
 www.rowepsc.com
 6009 N. Kings Highway
 Myrtle Beach, SC 29577

WATER MAIN PLAN SHEET
 CITY OF GEORGETOWN
 WEST END DISTRICT WATER MAIN UPGRADES
 EMANUEL STREET STA 507+50 TO 511+50
 GEORGETOWN, COUNTY

SCALE: 1"=30'
 PROJECT MGR: REH
 DESIGNED BY: REH
 CHECKED BY: XX
 DATE ISSUED: JAN 2022

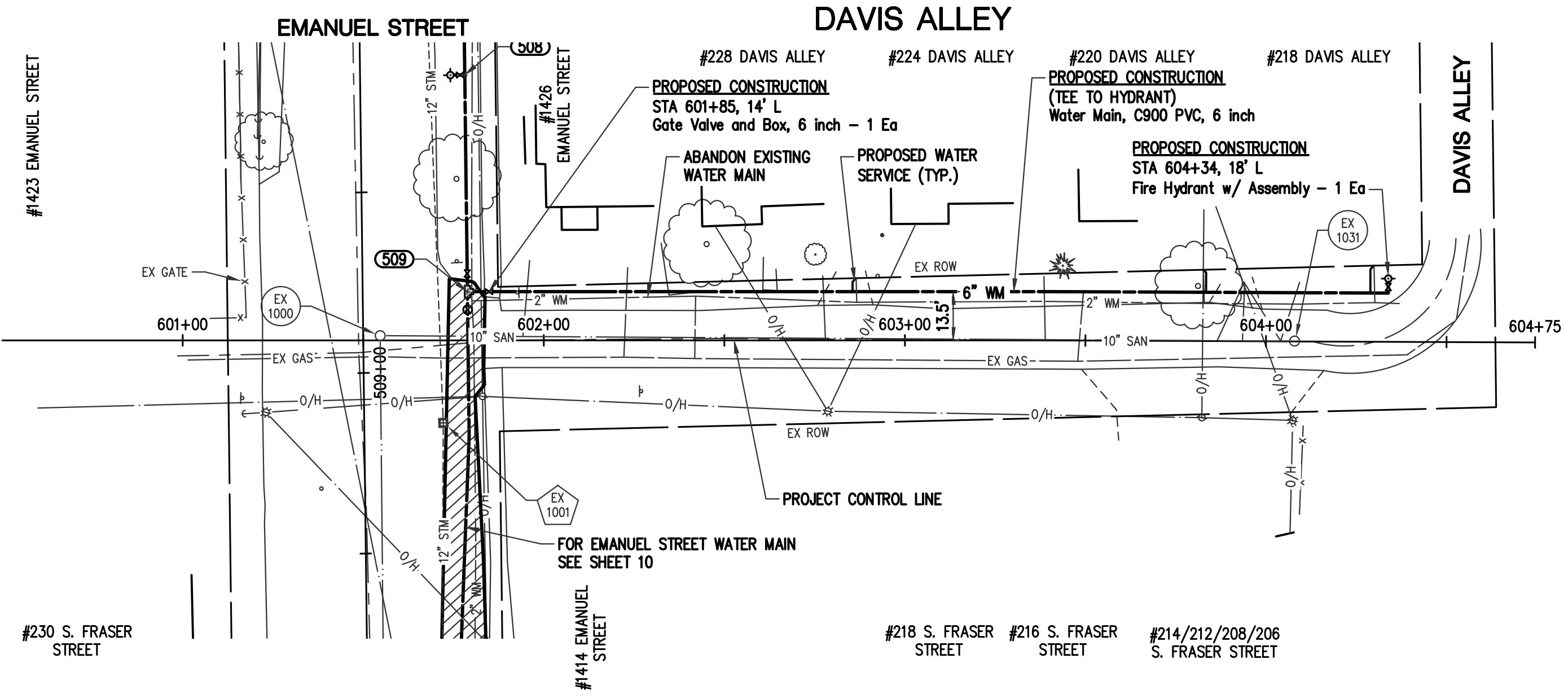


SHEET NO.
10
 JOB No: 22S0006

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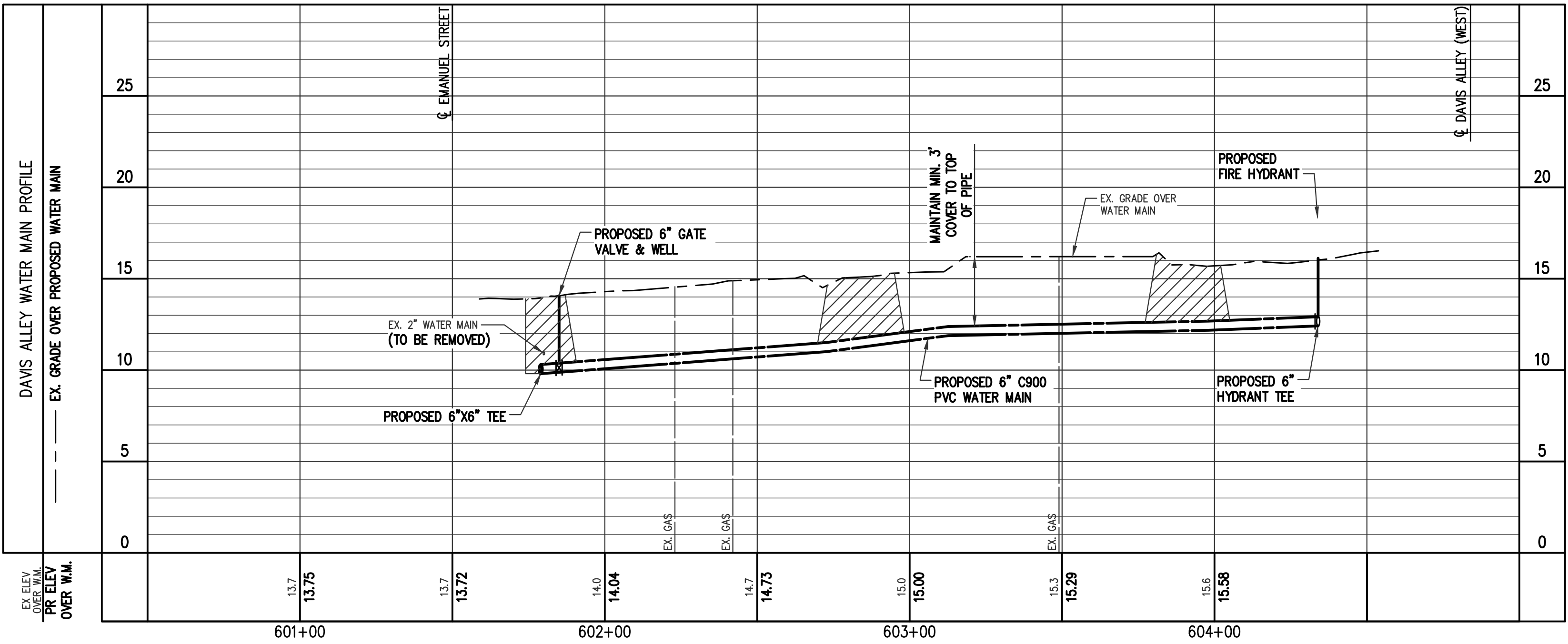
EX STRUCTURE INVENTORIES	EX STRUCTURE INVENTORIES
EX 1031 RIM = 15.60 10" SW = 10.60	EX 1001 RIM = 12.72 12" NW = 10.12 12" SE = 10.12



WATER SERVICES:
DAVIS ALLEY
3/4 INCH SHORT SERVICE - 3 EA

WATER MAIN NOTES:

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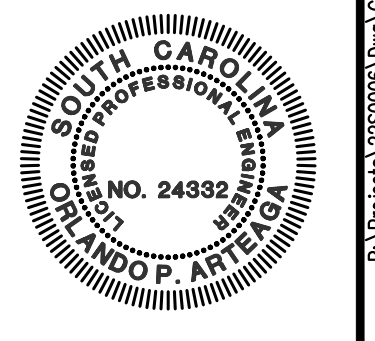
PLACE CRUSHED 6AA STONE AT UTILITY CROSSINGS

NO.	DATE	REVISIONS

ROWE PROFESSIONAL SERVICES COMPANY
 O: (843) 444-1020
 F: (843) 448-3936
 www.rowepsc.com
 6009 N. Kings Highway
 Myrtle Beach, SC 29577

WATER MAIN PLAN SHEET
CITY OF GEORGETOWN
WEST END DISTRICT WATER MAIN UPGRADES
 DAVIS ALLEY STA 600+50 TO 604+75
 GEORGETOWN, COUNTY

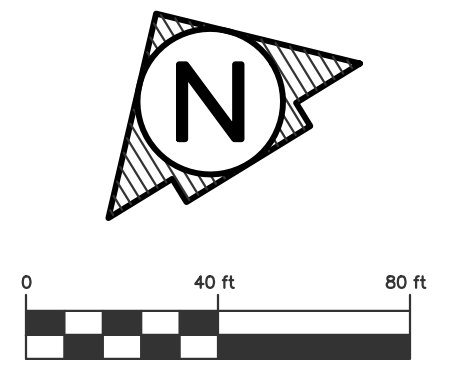
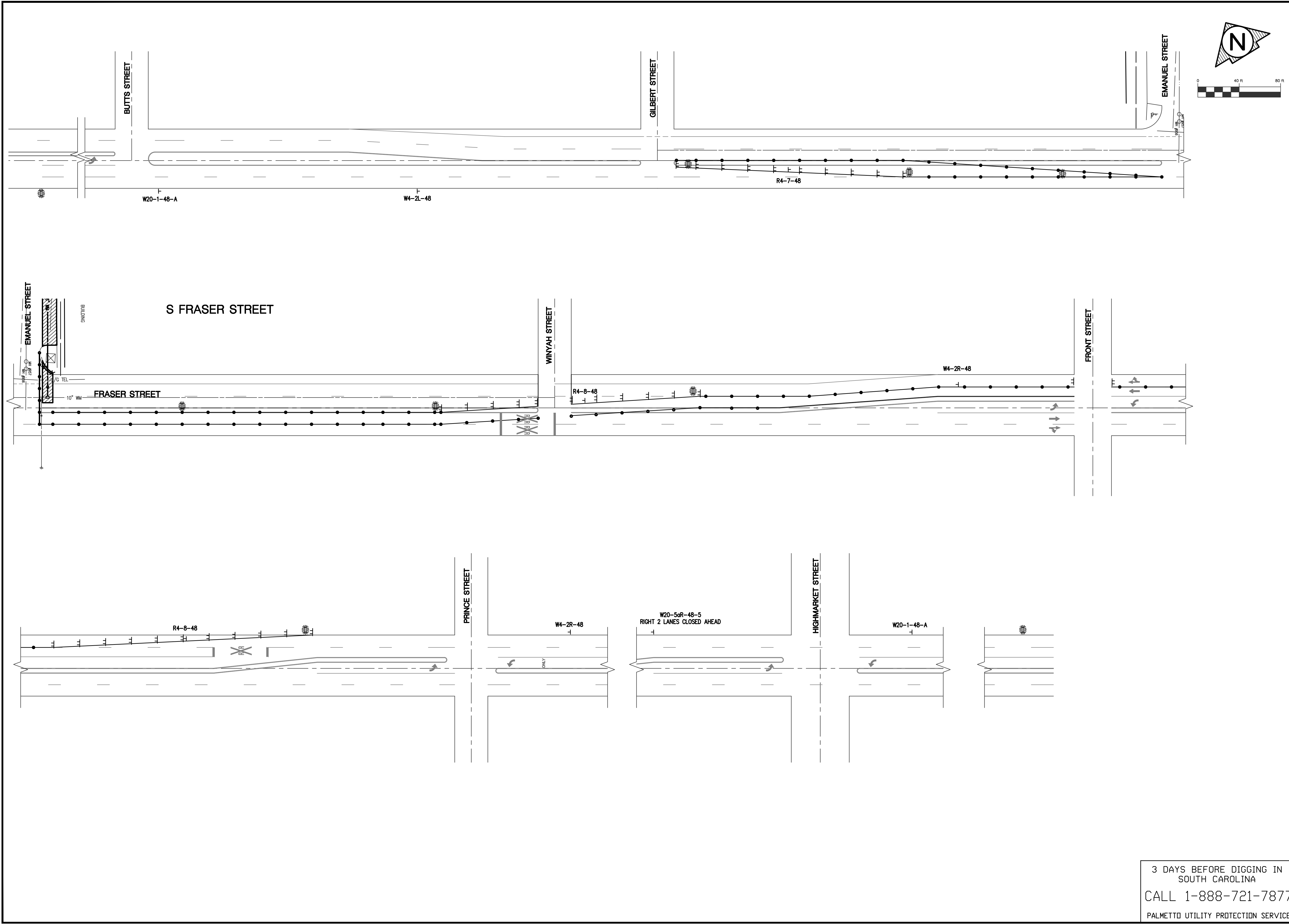
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 PALMETTO UTILITY PROTECTION SERVICE

SHEET NO.
11
 JOB No: 22S0006

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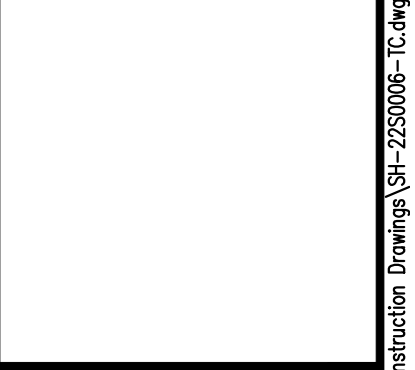


NO.	DATE	REVISIONS

ROWE PROFESSIONAL SERVICES COMPANY
 O: (843) 444-1020
 F: (843) 448-3936
 www.rowepsc.com
 6009 N. Kings Highway
 Myrtle Beach, SC 29577

S. FRASER STREET TRAFFIC CONTROL PLAN
CITY OF GEORGETOWN
WEST END DISTRICT WATER MAIN UPGRADES
 S FRASER AT EMANUEL STREET
 GEORGETOWN, COUNTY

SCALE: 1"=40'
 PROJECT MGR: REH
 DESIGNED BY: REH
 CHECKED BY: XX
 DATE ISSUED: JAN 2022



SHEET NO.
12

3 DAYS BEFORE DIGGING IN
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 PALMETTO UTILITY PROTECTION SERVICE

JOB No: 22S0006

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