



CORRECT FAILING SANITARY SEWER, WATER MAIN, AND FIRE PROTECTION DEFICIENCIES

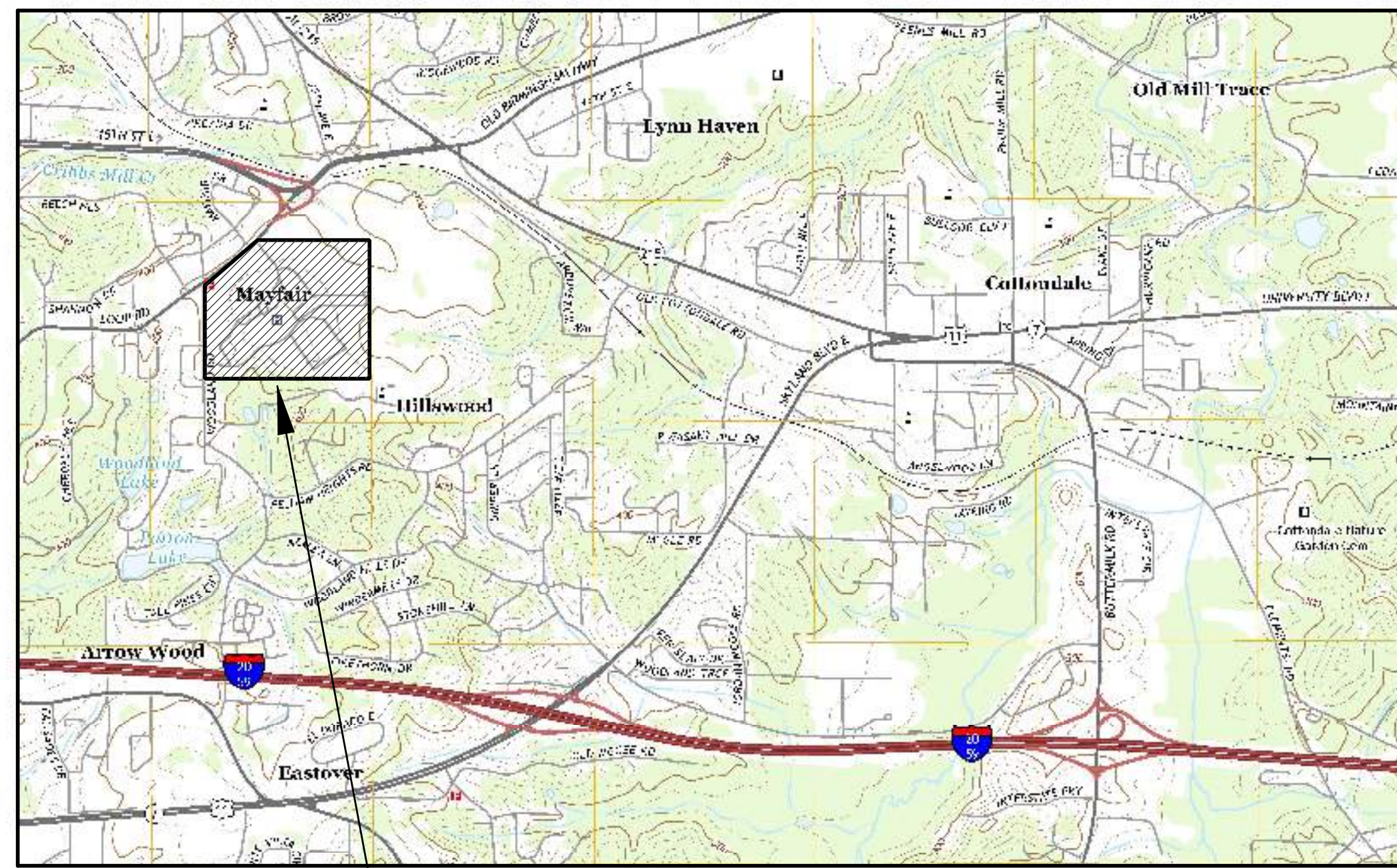
TUSCALOOSA VA MEDICAL CENTER
 3701 LOOP ROAD
 TUSCALOOSA, AL, 35404

VA PROJECT #: 679-21-102

PROJECT SITE MAP



PROJECT LOCATION MAP



TUSCALOOSA VA MEDICAL CENTER
 3701 LOOP ROAD
 TUSCALOOSA, AL, 35404

SHEET INDEX

G-001	COVER SHEET
C-001	LEGEND, GENERAL & UTILITY NOTES
C-100	OVERALL SITE PLAN
C-101	PARTIAL SITE PLAN - DEMOLITION & EROSION CONTROL PLAN
C-102	PARTIAL SITE PLAN - DEMOLITION & EROSION CONTROL PLAN
C-103	PARTIAL SITE PLAN - DEMOLITION & EROSION CONTROL PLAN
C-104	PARTIAL SITE PLAN - DEMOLITION & EROSION CONTROL PLAN
C-200	OVERALL SITE PLAN - WATER LINE LAYOUT
C-201	PARTIAL SITE PLAN - WATER LINE LAYOUT
C-202	PARTIAL SITE PLAN - WATER LINE LAYOUT
C-203	PARTIAL SITE PLAN - WATER LINE LAYOUT
C-204	PARTIAL SITE PLAN - WATER LINE LAYOUT
C-205	PARTIAL ENLARGED PLAN - WATER LINE LAYOUT
C-206	PARTIAL ENLARGED PLAN - WATER LINE LAYOUT
C-207	PARTIAL ENLARGED PLAN - WATER LINE LAYOUT
C-208	PARTIAL ENLARGED PLAN - WATER LINE LAYOUT
C-209	PARTIAL ENLARGED PLAN - WATER LINE LAYOUT
C-210	PARTIAL ENLARGED PLAN - WATER LINE LAYOUT
C-211	PARTIAL ENLARGED PLAN - WATER LINE LAYOUT
C-212	PARTIAL ENLARGED PLAN - WATER LINE LAYOUT
C-213	PARTIAL ENLARGED PLAN - WATER LINE LAYOUT
C-300	WATER VALVE & MISC. WATER LINE DETAILS
C-301	PVC PIPE AT CONFLICTS CHANGE IN DIRECTION AND UNDER PAVEMENT DETAILS
C-302	PVC WATER LINE ADJUSTMENT DETAILS
C-303	BACKFLOW PREVENTION & METER DETAILS
C-304	BACKFLOW PREVENTION ENCLOSURE & PAD DETAILS
C-305	PAVEMENT REPAIR DETAILS & MISC. WATER LINE DETAILS
C-306	WATER LINE THRUST BLOCKING DETAILS
FX001	FIRE SUPPRESSION GENERAL INFORMATION
FX101	GROUND FLOOR / BASEMENT FIRE SUPPRESSION DEMOLITION PLAN AND FIRE SUPPRESSION PLAN

SIGNATURES REQUIRED

DIRECTOR: _____ DATE: _____

ENERGY ENGINEER: _____ DATE: _____

INFECTION CONTROL: _____ DATE: _____

SAFETY MANAGER: _____ DATE: _____

#	Revisions:	Date	CONSULTANTS:				PROJECT MANAGER	Ballard Project Number 224000		Office of Construction and Facilities Management 	Drawing Title	Project Title	VA PROJECT NUMBER
			Headquarters: Apogee Consulting Group, P.A. 1151 Kildaire Farm Road, Suite 120 Cary, North Carolina 27511 www.acg-pa.com 919-858-7420	Ballard CLC, Inc. Architects • Engineers • Surveyors 1009 Bayou Place Alexandria, LA 71303 Tel. (318) 445-6571 Fax. (318) 448-0257			COVER SHEET	CORRECT FAILING SANITARY SEWER, WATER MAIN, AND FIRE PROTECTION DEFICIENCIES			679-21-102		
											Location	Approved	Building Number
											TUSCALOOSA VA MEDICAL CENTER 3701 LOOP ROAD TUSCALOOSA, AL, 35404	Date: NOV. 22, 2023 Checked: BCLC Drawn: BCLC	N/A
													Drawing Number
													G-001
													Dwg. 1 of 1

LEGEND

EXISTING TOPO

- TELEPHONE OR TV PEDESTAL
- WATER LINE
- GAS LINE
- UNDERGROUND TELEPHONE
- OVERHEAD ELECTRIC LINE
- FIRE HYDRANT
- WATER VALVE
- POWER POLE W/ GUY
- GUY POLE
- SANITARY SEWER MAIN LINE
- S.S. MANHOLE
- CONTOUR LINE MAJOR
- CONTOUR LINE MINOR
- CATCH BASIN W/ STORM DRAIN PIPE
- FENCE
- SIGN
- TREELINE
- TREE

DESIGN

- STORM DRAIN PIPE
- WATER LINE
- FIRE WATER LINE
- SANITARY SEWER MAIN LINE
- CATCH BASIN
- GAS LINE
- WATER VALVE
- WATER METER
- FIRE HYDRANT (3-WAY)
- S.S. MANHOLE
- SILT FENCE
- FLOW ARROW
- SLOPE
- DITCH
- RIP RAP
- SOIL BORING

GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION LAYOUT BASED ON CONTROL SHOWN ON THESE DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING & ESTABLISHING ADDITIONAL CONTROL AS REQUIRED AS CONSTRUCTION PROGRESSES.
2. THE GENERAL CONTRACTOR SHALL PREPARE AND SUBMIT A DETAILED SWPPP SPECIFIC TO THE SITE AND THE SEQUENCE OF CONSTRUCTION FOR THIS PROJECT. CONTRACTOR SHALL FILE A NOTICE OF INTENT WITH ALABAMA A.D.E.M. PRIOR TO BEGINNING CONSTRUCTION & PROVIDE A COPY TO THE ENGINEER. THE EROSION CONTROL MEASURES SHOWN INCLUDING THE DETAILS ARE THE MINIMUM REQUIREMENTS AND CONTRACTOR PROVIDED WHATEVER ADDITION CONTROLS NECESSARY TO COMPLY WITH STATE & FEDERAL LAW. THE CONTRACTOR'S SWPPP SHALL FOLLOW BEST MANAGEMENT PRACTICES TO MINIMIZE OFF-SITE SEDIMENTATION AND SHALL COMPLY WITH ALL REQUIREMENTS OF THE GENERAL PERMIT FOR STORM WATER, GENERAL PERMIT FOR CONSTRUCTION ACTIVITIES.
3. CONTRACTOR SHALL ERECT & MAINTAIN ALL EROSION CONTROL DEVICES AND TREE PROTECTION BARRIERS FOR THE DURATION OF THE PROJECT. AFTER EACH 0.75" RAINFALL EVENT, THE CONTRACTOR SHALL INSPECT EXISTING EROSION CONTROL DEVICES FOR EFFECTIVENESS AND REPLACE OR REPAIR AS NECESSARY IMMEDIATELY.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STABILITY AND ACCEPTABILITY OF THE SUBGRADE AND EMBANKMENTS EVEN AFTER CONDITIONAL ACCEPTANCE BY THE ENGINEER. CONSTRUCTION ACTIVITIES WHICH MAY CAUSE SUBSEQUENT SUBGRADE OR EMBANKMENT DAMAGE OR DEGRADATION SHALL BE AVOIDED. CONTRACTOR TO PERFORM DENSITY/COMPACTION TESTS AT EACH LIFT OF BACKFILL AND SHALL CORRECT DEGRADED AREAS TO THE ORIGINAL COMPACTION REQUIREMENTS (95% SPD BELOW PAVEMENT AND 85% SPD OTHERWISE) AT NO ADDITIONAL COST TO THE OWNER PRIOR TO INSTALLING THE SUBSEQUENT EMBANKMENT LIFTS OR PAVEMENT WORK. OWNER RESERVES THE RIGHT TO PERFORM ADDITIONAL TESTING OF IN-PLACE WORK TO INSURE COMPLIANCE WITH THE SPECIFICATION ASTM D1557. A FAILED DENSITY TEST WILL BE REPEATED AFTER CORRECTION AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE. CONTRACTOR SHALL PERFORM DENSITY TEST OF TRENCH AT EVERY 300 L.F. AND AT LEAST ONE TEST PER 100 L.F. OF PAVEMENT TRENCH WITH NO LESS THAN ONE TEST PER PAVEMENT CROSSING.. OWNER SHALL CHOOSE LOCATIONS TO TEST.
5. MAINTENANCE: THE CONTRACTOR SHALL PROTECT THE COMPLETED SUBBASE COURSE FROM DAMAGE FROM THE CONTRACTOR'S OPERATIONS TO PREVENT CONTAMINATION, SEGREGATION, SOFT SPOTS, WET SPOTS, LAMINATIONS AND OTHER DEFICIENCIES, AND SHALL SATISFACTORILY MAINTAIN THE COMPLETED COURSE TO THE LINES AND GRADES SHOWN ON THE PLANS. ANY DAMAGED COURSE SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO OWNER. IF PATCHING OF THE COURSE IS REQUIRED, IN ADDITION TO REMOVING DAMAGED OR UNSOUND COURSE, THE CONTRACTOR SHALL REMOVE A SUFFICIENT WIDTH AND DEPTH OF COURSE TO ENSURE SATISFACTORY PLACEMENT OF PATCHING MATERIAL.
6. EXISTING DATA SHOWN ON PLANS IS FROM RECORD DRAWINGS AND/OR FIELD SURVEYS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATING ALL UTILITIES WHICH MAY CROSS THE PROJECT PRIOR TO DIGGING. THE CONTRACTOR SHALL NOTE ON RECORD DRAWINGS FOR THIS PROJECT ANY CONFLICTS WHICH ARE NOT SHOWN AND ADVISE THE VA AND ENGINEER OF ANY WHICH CANNOT BE DEFLECTED AROUND WITH STANDARD DETAILS SHOWN IN THE PLANS. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN DIGGING. POTHOLES WITH AIR OR WATER EXCAVATION WHEN NEEDED TO AVOID DAMAGE TO UNDERGROUND FACILITIES IS REQUIRED.
7. THE CONTRACTOR SHALL CHECK EXISTING GRADES, DIMENSIONS, AND INVERTS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO BEGINNING WORK.
8. PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. FIELD ADJUSTMENT OF FINAL GRADES MAY BE NECESSARY. INSTALL ALL UTILITIES PRIOR TO INSTALLATION OF PAVEMENT.
9. CONCRETE WALKS AND PADS SHALL HAVE A BROOM FINISH UNLESS NOTED OTHERWISE. ALL CONCRETE SHALL HAVE MIN. FC 3,500 P.S.I. AT 28 DAYS UNLESS OTHERWISE NOTED. CURB RAMPS, SIDEWALK SLOPES, AND DRIVEWAY RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL CURRENT VA REQUIREMENTS. ALL NEW CONCRETE WALKS AND PADS SHALL INCLUDE 6x6 #6/8 WWF. THE CONTRACTOR SHALL REQUEST VA INSPECTION OF SIDEWALK AND RAMP FORMS PRIOR TO PLACEMENT OF CONCRETE.
10. ALL DAMAGE TO EXISTING ROADWAY PAVEMENT OR OTHER FACILITY THAT RESULTS FROM NEW CONSTRUCTION SHALL BE REPLACED WITH LIKE MATERIALS AT CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE VA.
11. EXCESS MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF AWAY FROM THE OWNER'S PROPERTY AT NO ADDITIONAL COST IN A LEGAL MANNER.
12. CONTRACTOR SHALL PROTECT EXISTING R/W MONUMENTS AND PROPERTY CORNERS. ANY MONUMENT OR CORNERS DAMAGED OR DISTURBED SHALL BE RESET IN ACCORDANCE WITH ALABAMA SPECIFICATIONS OR VA GUIDELINES.
13. EXISTING WATER MAINS SHOWN ON PLANS ARE TO REMAIN IN SERVICE UNTIL DIRECTED OTHERWISE BY THE VA.
14. ANY PROPOSED CHANGES IN ROUTING AND/OR DEPTH OF THE WATER MAINS SHALL REQUIRE PRIOR WRITTEN APPROVAL BY THE ENGINEER OR VA.
15. ALL ITEMS DISTURBED BY CONSTRUCTION SHALL BE REPLACED OR RESTORED TO ORIGINAL OR BETTER CONDITIONS IN THE OPINION OF THE ENGINEER AND VA BY CONTRACTOR AT NO ADDITIONAL COST. THE CONTRACTOR SHALL RECORD EXISTING CONDITIONS PRIOR TO CONSTRUCTION WITH PHOTOS AND VIDEOS.
16. ALL NEW WORK SHALL BE TESTED WITH SERVICE LINES INSTALLED.
17. VA OR ENGINEER TO BE NOTIFIED BY CONTRACTOR OF ANY UTILITY CONFLICTS NOT ALREADY NOTED ON THE PLANS AND ARE TO ADVISE THE VA AND ENGINEER OF PROPOSED RESOLUTION FOR APPROVAL PRIOR TO PROCEEDING.
18. CONTRACTOR SHALL NOTIFY "VA & ALABAMA ONE CALL" FOR ASSISTANCE IN LOCATING EXISTING UTILITIES 48 HOURS PRIOR TO EXCAVATION. THE REQUEST FOR UTILITY LOCATION ASSISTANCE SHALL BE SPECIFIC TO THE AREA THE CONTRACTOR INTENDS TO WORK IN DURING THE IMMEDIATELY FOLLOWING (10) TEN DAYS.
19. CONTRACTOR SHALL NOTIFY VA PRIOR TO FIXING CUT UTILITY LINES DONE BY CONTRACTOR'S OPERATION BEFORE PROCEEDING FURTHER WITH INSTALLATION OF NEW WORK.
20. NOTE: ANY TIME OR UNDER ANY CIRCUMSTANCES THAT GAS SERVICE IS DISRUPTED TO A CUSTOMER, THE GAS SHALL BE TURNED OFF AT THE METER AND THE SUPPLY SHALL NOT BE RESTORED. GAS COMPANY SHALL RESTORE AND RELIGHT ALL PILOTS SERVED.
21. UNLESS OTHERWISE NOTED ON PLANS, CONTRACTOR SHALL OPEN CUT EXISTING ASPHALT, GRAVEL, AND DIRT DRIVES AND RESTORE WITH COMPACTED SAND-CLAY-GRAVEL AND MAINTENANCE GRAVEL (AS PER STD. DETAIL) WITHIN (2) TWO HOURS. ASPHALT DRIVES TO BE REPAIRED PER STD. DETAILS.
22. CONTRACTOR SHALL CLEAR AND GRUB EXISTING TREES AND BRUSH AS REQ'D. TO INSTALL NEW WATER LINE. CLEARING & GRUBBING AT NO DIRECT PAY.
23. CONTRACTOR MAY DEFLECT NEW PVC WATER LINE IN LIEU OF USING FITTINGS EXCEPT WHERE INDICATED ON PLANS. (MAXIMUM DEFLECTION PER MANUFACTURER RECOMMENDATION.)
24. CONTRACTOR SHALL RECIEVE PASSING SAMPLES FROM THE HEALTH DEPT. PRIOR TO CONNECTION TO EXISTING WATER MAINS.
25. INSTALL APPURTENANCES (I.E. TEES, BENDS, REDUCERS, ETC.) OF THE SAME SIZE OF THE PROPOSED WATER LINES AS NEEDED.
26. CONNECT TO ALL BUILDINGS AT 5 FT FROM BUILDING AFTER CLEANING, FLUSHING, AND TESTING NEW WATER DISTRIBUTION SYSTEM IN ACCORDANCE WITH SPECIFICATION 33 10 00. CONTRACTOR SHALL INSPECT THE REMAINING 5 FT OF PIPE TO DETERMINE THE CONDITION OF THE PIPE AND NOTIFY COR OF PIPE CONDITION IF THE PIPE IS BROKEN, BLOCKED, CONTAINS BUILD UP OR CORROSION (MORE THAN 25%). COR SHALL DETERMINE IF THE ADDITIONAL 5 FT OF PIPE REQUIRES REPLACEMENT. INSTALL PROPOSED BACKFLOW PREVENTORS (BFPs) AS SHOWN AT PLAN LOCATION. EXISTING DOMESTIC WATER SYSTEM IS TO REMAIN IN PLACE. CUT AND CAP AS DIRECTED BY THE VA.
27. REPLACE SIDEWALK, PAVEMENTS AND CURBS WHERE APPLICABLE. REPAIR IN ACCORDANCE WITH CONSTRUCTION DETAILS FOR ASPHALT OR CONCRETE PAVEMENT PATCH, SIDEWALKS AND CURB & GUTTER DETAILS.
28. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 13 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING. TEMPORARY SEEDING SHALL COMPLY WITH ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS VOLUME 1.
29. CONTRACTOR SHALL INSPECT ROADWAYS ADJACENT TO WORK REGULARLY FOR TRACKING OF SEDIMENT AND REMOVE SEDIMENT FROM PAVEMENTS AS NEEDED.
30. DISTURBED PERVIOUS AREAS SHALL BE SODDED (ST. AUGUSTINE) AND WATERED AS NEEDED THROUGH WARRANTY PERIOD UPON COMPLETION.
31. CONTRACTOR WILL PROVIDE LABOR TO TURN VALVES ON & OFF AT START UP.
32. CONTRACTOR SHALL ENSURE NO DEBRIS IS IN THE SERVICE LINE DOWNSTREAM OF THE NEW BFP'S W/ STRAINERS. CONTRACTOR WILL REMOVE AND CLEAN STRAINERS AT STARTUP AND WHERE NO STRAINERS ARE PRESENT CONTRACTOR SHALL PROTECT BUILDINGS AND PROVIDE LABOR TO FLUSH AFTER INSTALLATION OR SHUTDOWN.
33. CONTRACTOR TO VERIFY SERVICE LINE ENTRY POINTS TO BUILDINGS AND ADJUST SERVICE LINES SHOWN ON PLANS.
34. CONTRACTOR TO SUBMIT RECORD DRAWINGS ON A MONTHLY BASIS.

SHEET NOTES:

- REFER TO SHEET C-001 FOR GENERAL NOTES, AND LEGEND.
- A. ALL NEW WATER LINE MATERIAL SHALL BE AWWA FUSEABLE C900 PVC OR AS OTHERWISE NOTED.
- B. DEDUCTIVE ALTERNATE:
DED. ALT. #1 SEEDING, MULCH, & FERTILIZER IN LIEU OF SODDING.
DED. ALT. #2 WATER METERS AND AUTO. METER READING SYS.

UTILITY NOTES

1. TOPS OF ALL SEWER MANHOLES AND WATER VALVES BOXES SHALL BE FINISHED FLUSH WITH FINAL GRADES. TOP OF MANHOLE ELEVATIONS ARE APPROXIMATE AND SHALL BE FIELD ADJUSTED.
2. CONTRACTOR SHALL COORDINATE AND SEQUENCE ALL UTILITY WORK WITH THE VA TO MINIMIZE CONFLICTS AND ELIMINATE OUTAGES.
3. DEPTHS OF EXISTING GAS & WATER LINES ARE UNKNOWN. CONTRACTOR SHALL UNCOVER AND VERIFY DEPTH OF ALL EXISTING UTILITIES AND OTHER POTENTIAL UNDERGROUND CONFLICTS PRIOR TO PLACING ANY UTILITIES. IF A CONFLICT EXISTS, THE ENGINEER SHALL BE NOTIFIED TO DETERMINE AN ALTERNATIVE SOLUTION PRIOR TO ANY CHANGES TO THE PLANS.
4. CONTRACTOR SHALL FIELD ADJUST ANY NEW UTILITY LINE WORK AS REQ'D. IN THE FIELD WITH APPROVALS BY ENGINEER OR VA.
5. TIE-INS TO EXISTING WATER MAINS - THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS AND INCIDENTALS SHOWN OR REQUIRED. THE CONTRACTOR WILL MAKE ALL TAPS OF EXISTING WATER MAINS UNDER DIRECTIONS OF VA.
6. ALL WATER MAINS 4" AND LARGER SHALL BE PVC C900 BELL & SPIGOT PIPE (OPEN CUT) OR FUSABLE C900 WITH PE C905 AS AN OPTION FOR BORING. ALL WATER MAINS 3" AND SMALLER SHALL BE PE.
7. ALL M.J. FITTINGS SHALL BE INSULATED USING R.J. RETAINER GLAND (MEGALUG OR APPROVED EQUAL). AND CONCRETE THRUST BLOCKING SHALL BE USED AS WELL.
8. BLACK BAG ANY FIRE HYDRANTS THAT ARE NOT ACTIVE UNTIL REMOVED. NONE ANTICIPATED WITH THIS CONTRACT.

TREE PROTECTION NOTES:

1. PROTECT TREES TO BEYOND DRIPLINE WITHIN THE PROJECT SITE WHICH MIGHT BE DAMAGED DURING DEMOLITION OR CONSTRUCTION, AND WHICH ARE INDICATED TO BE LEFT IN PLACE, BY A 1.8 M 6 FOOT HIGH FENCE. ERECT AND SECURE FENCE A MINIMUM OF 1.5 M 5 FEET FROM THE TRUNK OF INDIVIDUAL TREES OR FOLLOW THE OUTER PERIMETER OF BRANCHES OR CLUMPS OF TREES. REPLACE ANY TREE DESIGNATED TO REMAIN THAT IS DAMAGED DURING THE WORK UNDER THIS CONTRACT WITH LIKE-KIND OR AS APPROVED BY THE CONTRACTING OFFICER.
2. IMMEDIATELY REPAIR ALL DAMAGE TO EXISTING TREES AND SHRUBS BY TRIMMING, CLEANING, AND PAINTING WITH ANTISEPTIC TREE PAINT. DO NOT STORE BUILDING MATERIALS OR PERFORM CONSTRUCTION ACTIVITIES CLOSER TO EXISTING TREES OR SHRUBS THAN THE FARTHEST EXTENSION OF THEIR LIMBS.

TRENCH SAFETY:

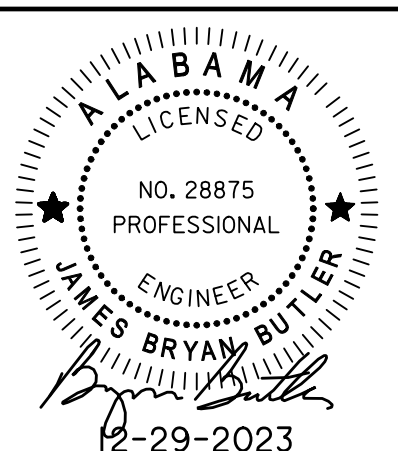
1. EXCAVATIONS LESS THAN 5 FT (1.5 M) IN DEPTH AND WHICH A CPT COMPETENT PERSON EXAMINES, DETERMINES AND DOCUMENTS THAT THERE IS NO POTENTIAL FOR CAVE-IN DO NOT REQUIRE PROTECTIVE SYSTEMS, HOWEVER, A FIXED MEANS OF EGRESS SHALL BE PROVIDED.
2. SLOPING OR BENCHING OF THE GROUND SHALL BE IN ACCORDANCE WITH 31 20 00 EXCAVATION.
3. SUPPORT SYSTEMS SHALL BE IN ACCORDANCE WITH 31 20 00 EXCAVATION.
4. PROTECTIVE SYSTEMS SHALL HAVE THE CAPACITY TO RESIST WITHOUT FAILURE ALL LOADS THAT ARE INTENDED OR COULD REASONABLY BE EXPECTED TO BE APPLIED TO THE SYSTEM.
5. SHORING SHALL BE USED FOR UNSTABLE SOIL OR DEPTHS GREATER THAN 5 FT (1.5 M) UNLESS BENCHING, SLOPING, OR OTHER ACCEPTABLE PLAN IS IMPLEMENTED BY THE CONTRACTOR AND ACCEPTED BY THE GOVERNMENT.

DEWATERING NOTES:

1. CONTRACTOR SHALL DEWATER TRENCHES WITH PUMP AND TANK. DISPOSE OF WATER OFFSITE BY APPROVED METHOD OR COORDINATE AREA WITH VA FOR SMALL SETTING POND TO BE COVERED AND RESTORED AT THE END OF PROJECT.

CONSULTANTS:

Headquarters:
APOGEE
 Engineers | Architects
 www.acg-pa.com 919-858-7420



PROJECT MANAGER

Ballard CLC, Inc.
 Architects • Engineers • Surveyors
 1009 Bayou Place
 Alexandria, LA 71303
 Tel. (318) 445-6571 Fax. (318) 448-0257

Ballard Project Number
224000

Office of
 Construction
 and Facilities
 Management



Drawing Title

LEGEND, GENERAL & UTILITY NOTES

Location

TUSCALOOSA VA MEDICAL CENTER
 3701 LOOP ROAD
 TUSCALOOSA, AL, 35404

Project Title

CORRECT FAILING SANITARY SEWER, WATER MAIN, AND FIRE PROTECTION DEFICIENCIES

Approved

Date

DEC. 29, 2023

Checked

BCLC

Drawn

BCLC

VA PROJECT NUMBER

679-21-102

Building Number

N/A

Drawing Number

C-001

Dwg. 1 of 27

- LEGEND OF MAIN BUILDINGS**
- 1 ADMINISTRATIVE/CLINICS
 - 2 MENTAL HEALTH OUTPATIENT
 - 3 BOILER PLANT/TRESEARCH/TENANT SPACE
 - 4 AUDITORIUM/HOME BASED PRIMARY CARE
 - 5 ENGINEERING/CONTRACTING/CAM OFFICES
 - 6 VACANT BUILDING
 - 7 VACANT PRTRP-TRANS. HOME
 - 8 VACANT TENANT/HOSPICE
 - 12 WAREHOUSE
 - 13 PUMP HOUSE
 - 14 GAS METER HOUSE
 - 15 VACANT PRTRP-TRANS. HOME
 - 17 ENGINEERING SHOPS
 - 18 LAUNDRY
 - 28 FLAMMABLE STORAGE
 - 33 EUL VALOR GROVE
 - 33A EUL VALOR GROVE ADDITION
 - 38 PRIMARY CARE
 - 39 STORAGE/SWING SPACE
 - 40 OIT FIELD OFFICE/CHILD CARE/CALL CENTER/VISIT
 - 41 MAT SHOP/GROUNDS
 - 46 CHAPEL
 - 61 NURSING HOME CARE UNIT
 - 62 GENERATOR BUILDING
 - 63 ADMINISTRATIVE/LIBRARY
 - 101 GREENHOUSE
 - 135 AMBULATORY CARE
 - 137 PSYCHIATRIC PATIENT/DAYCARE/NHCU
 - 138 CHILLER BUILDING
 - 139 GENERATOR BUILDING FOR BUILDING 137
 - 140 GENERATOR BUILDING FOR BUILDINGS 2, 38 & 40
 - 141 GENERATOR BUILDING FOR BUILDINGS 33, 39, & 40
 - 142 EMERGENCY MANAGEMENT/ENGINEERING STORAGE
 - 143 DIETETIC FACILITY
 - 144 HOSPICE OF WEST ALABAMA (HOWA)
 - 145 COMMUNITY CENTER (COTTAGE)
 - 146 MAGNOLIA HOUSE (COTTAGE)
 - 147 CAMELIA HOUSE (COTTAGE)
 - 148 FIRE PUMP HOUSE (COTTAGES)
 - 149 AZALEA COTTAGE (COTTAGE)

SURVEY CONTROL DATA INFORMATION:
 Horizontal Coordinates are Grid U.S. Survey Feet and are based on the Alabama State Plane Coordinate System West Zone (1002) NAD83 Epoch 2010 derived from GNSS Static Observations Post Processed by an OPUS Solution.
 Elevations U.S. Survey Feet and are based on the NAVD88 Datum (Geoid) derived from GNSS Static Observations Post Processed by an OPUS Solution

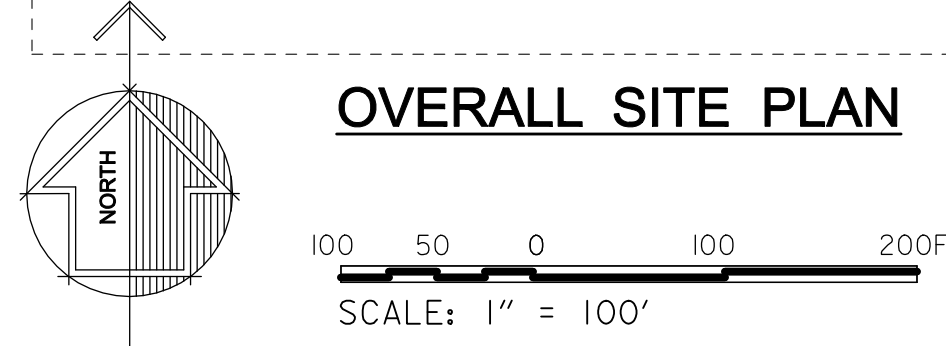
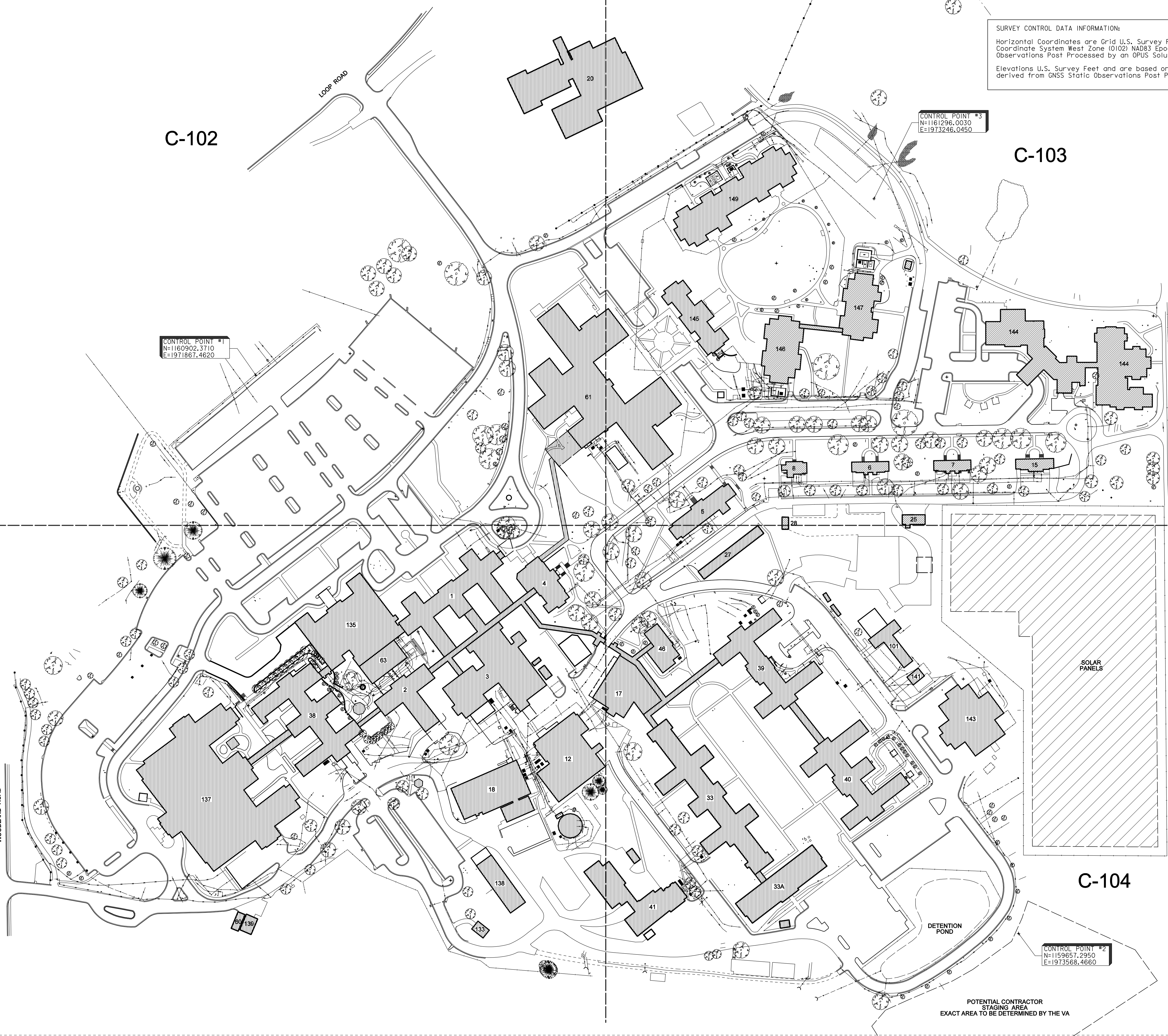
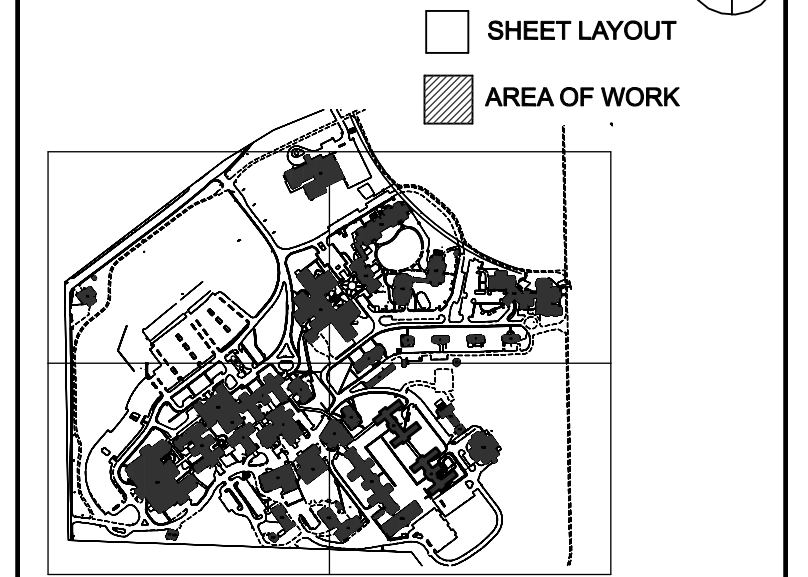
- SHEET NOTES:**
1. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA HOSPITAL ENGINEERING OFFICE.
 2. ALL ASPHALT ROADWAYS AND PARKING AREAS SHALL BE OPEN CUT OR JACK AND BORED. COORDINATE WITH CONSTRUCTION PLANS. ALL BORING SHALL BE APPROVED BY LOCAL VA.
 3. ALL CONCRETE SIDEWALKS, ROADWAYS, OR PARKING LOTS SURFACES THAT ARE OPEN CUT SHALL BE RESTORED TO ORIGINAL CONDITIONS.

- LEGEND:**
- EXISTING WATER LINE
 - EXISTING FIRE LINE
 - EXISTING FIRE HYDRANT
 - NEW WATER LINE
 - NEW WATER LINE BY JACK & BORE
 - NEW WATER VALVE
 - NEW WATER METER & BOX
 - NEW M.J. FITTINGS
 - NEW RPZ & ENCLOSURE
 - NEW AIR RELEASE ASSEMBLY
 - NEW WATER SAMPLING STATION
 - ▨ EXISTING BUILDINGS
 - △ SURVEY CONTROL POINT

CONNECT W/ COMPRESSION TYPE FITTING

KEY NOTES:

KEY PLAN
 SCALE: NO SCALE

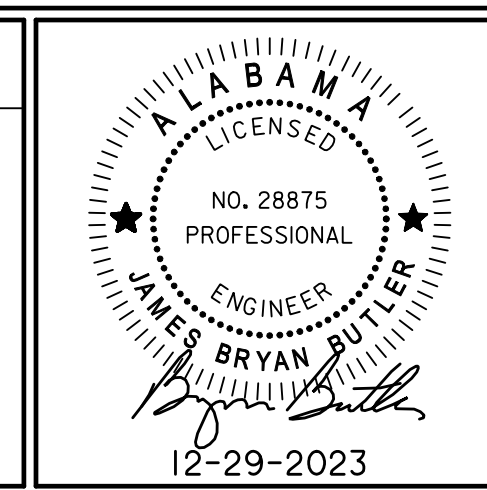


#	Revisions:	Date

CONSULTANTS:

APOGEE
 Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
 1151 Kildaire Farm Road, Suite 120
 Cary, North Carolina 27511
 www.acg-pa.com 919-858-7420



PROJECT MANAGER

Ballard Project Number
224000

Ballard CLC, Inc.
 Architects • Engineers • Surveyors
 1009 Bayou Place
 Alexandria, LA 71303
 Tel. (318) 445-6571 Fax. (318) 448-0257

Office of
**Construction
 and Facilities
 Management**

VA U.S. Department
 of Veterans Affairs

Drawing Title
OVERALL SITE PLAN

Location
 TUSCALOOSA VA MEDICAL CENTER
 3701 LOOP ROAD
 TUSCALOOSA, AL, 35404

Project Title
**CORRECT FAILING SANITARY
 SEWER, WATER MAIN, AND
 FIRE PROTECTION DEFICIENCIES**

Approved
 Date: DEC. 29, 2023 Checked: BCLC Drawn: BCLC

VA PROJECT NUMBER
679-21-102

Building Number
N/A

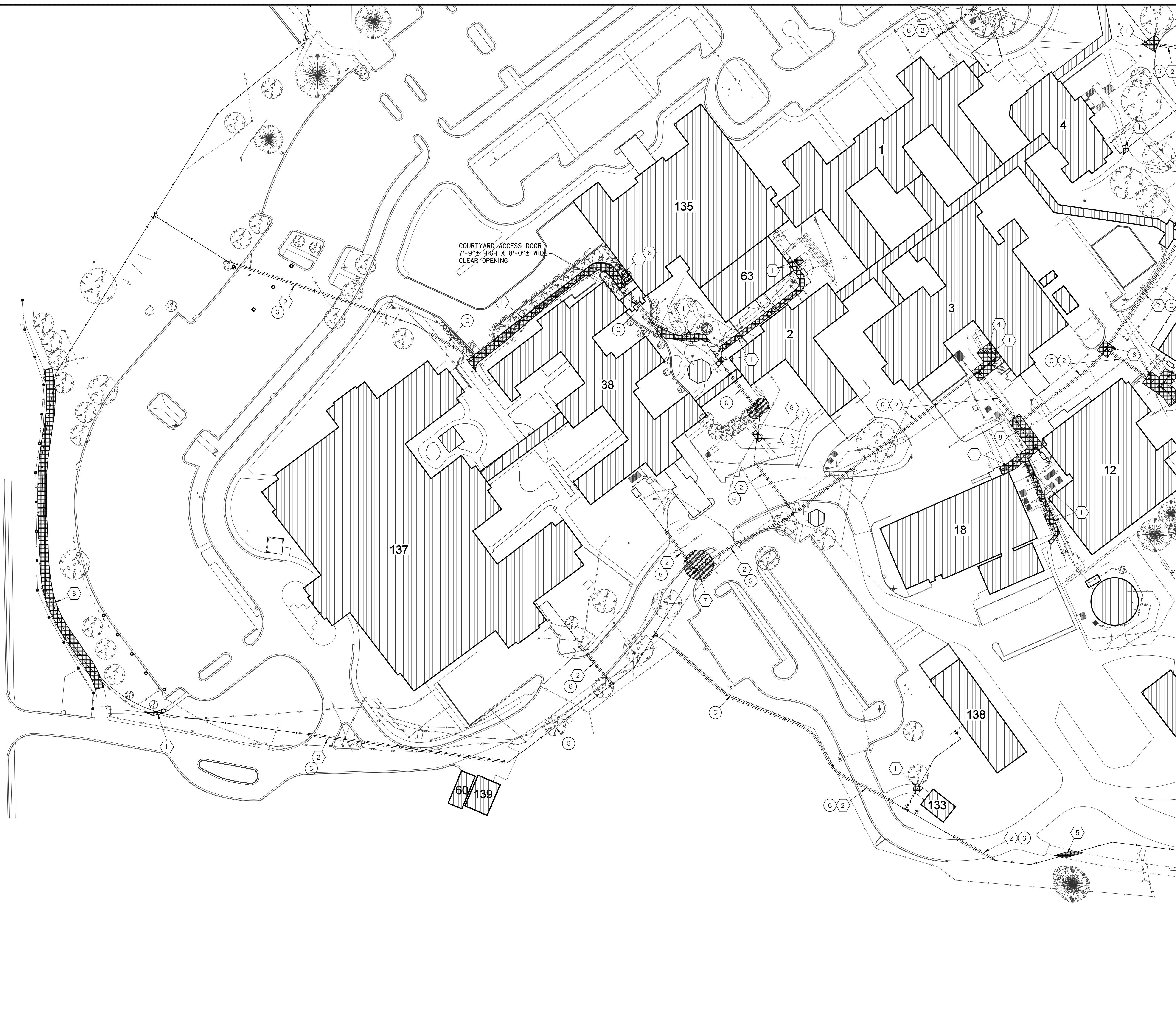
Drawing Number
C-100
 Dwg. 2 of 27

MATCH LINE "A-A" SEE SHEET C-102

LEGEND OF MAIN BUILDINGS

- 1 ADMINISTRATIVE/CLINICS
- 2 MENTAL HEALTH OUTPATIENT
- 3 BOILER PLANT/RESEARCH/TENANT SPACE
- 4 AUDITORIUM/HOME BASED PRIMARY CARE
- 5 ENGINEERING/CONTRACTING/CAM OFFICES
- 6 VACANT BUILDING
- 7 VACANT PRTRP-TRANS. HOME
- 8 VACANT TENANT/HOSPICE
- 12 WAREHOUSE
- 13 PUMP HOUSE
- 14 GAS METER HOUSE
- 15 VACANT PRTRP-TRANS. HOME
- 17 ENGINEERING SHOPS
- 18 LAUNDRY
- 28 FLAMMABLE STORAGE
- 33 EUL VALOR GROVE
- 33A EUL VALOR GROVE ADDITION
- 38 PRIMARY CARE
- 39 STORAGE/SWING SPACE
- 40 OIT FIELD OFFICE/CHILD CARE/CALL CENTER/VISN7
- 41 MAT SHOP/GROUNDS
- 46 CHAPEL
- 61 NURSING HOME CARE UNIT
- 62 GENERATOR BUILDING
- 63 ADMINISTRATIVE/LIBRARY
- 101 GREENHOUSE
- 135 AMBULATORY CARE
- 137 PSYCHIATRIC PATIENT/DAYCARE/NHCU
- 138 CHILLER BUILDING
- 139 GENERATOR BUILDING FOR BUILDING 137
- 140 GENERATOR BUILDING FOR BUILDINGS 2 & 38
- 141 GENERATOR BUILDING FOR BUILDINGS 33, 39, & 40
- 142 EMERGENCY MANAGEMENT/ENGINEERING STORAGE
- 143 DIETETICS FACILITY
- 144 HOSPICE OF WEST ALABAMA (HOWA)
- 145 COMMUNITY CENTER (COTTAGE)
- 146 MAGNOLIA HOUSE (COTTAGE)
- 147 CAMELIA HOUSE (COTTAGE)
- 148 FIRE PUMP HOUSE (COTTAGES)
- 149 AZALEA COTTAGE (COTTAGE)

WOODLAND ROAD



SHEET NOTES:

1. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA HOSPITAL ENGINEERING OFFICE.
2. ALL ASPHALT ROADWAYS AND PARKING AREAS SHALL BE OPEN CUT OR JACK AND BORED. ALL BORING SHALL BE APPROVED BY LOCAL VA.
3. ALL CONCRETE SIDEWALKS, ROADWAYS OR PARKING LOTS SURFACES THAT ARE OPEN CUT SHALL BE RESTORED TO ORIGINAL CONDITIONS.

LEGEND:

- EXISTING WATER LINE
- EXISTING FIRE LINE
- EXISTING FIRE HYDRANT
- NEW WATER LINE
- NEW WATER LINE BY JACK & BORE
- NEW WATER VALVE
- NEW WATER METER & BOX
- ⊕ NEW M.J. FITTINGS
- ⊕ NEW RPZ & ENCLOSURE
- ⊕ NEW AIR RELEASE ASSEMBLY
- ⊕ NEW WATER SAMPLING STATION
- ▨ EXISTING BUILDINGS
- △ SURVEY CONTROL POINT
- ▨ EROSION CONTROL LOGS

WATER LINE LEGEND:

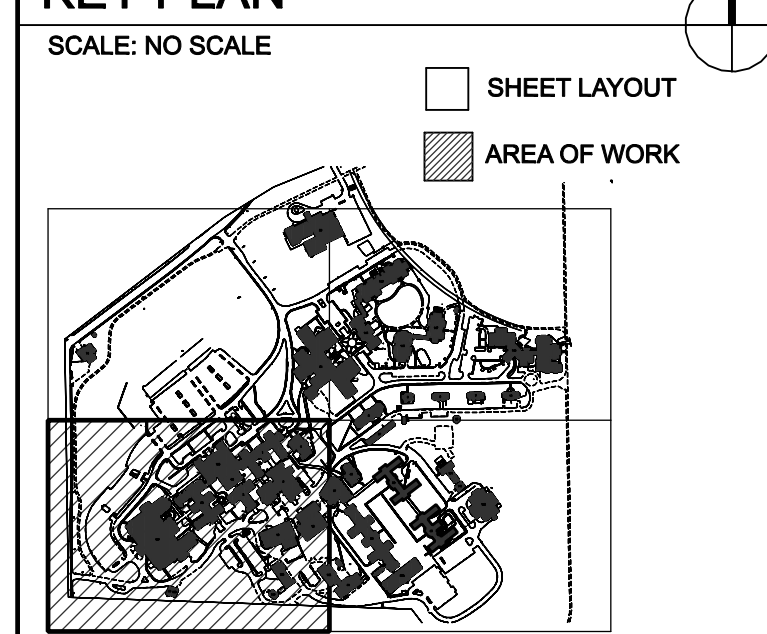
- Ⓐ 8" C900 WATER LINE
- Ⓑ 6" C900 WATER LINE
- Ⓒ 4" C900 WATER LINE
- Ⓓ 3" PE WATER LINE
- Ⓔ 2" PE WATER LINE
- Ⓕ 1" PE WATER LINE
- Ⓖ WATER LINE BY JACK & BORE APPROVAL BY LOCAL VA
- Ⓗ GATE VALVES W/ BOX & PAD
- Ⓙ NEW WATER METER & BOX
- Ⓚ BACKFLOW PREVENTER
- Ⓛ M.J. FITTING (TEES, BENDS & REDUCERS)
- Ⓜ TAPPING SLEEVE & VALVE (HOT TAP)
- Ⓝ SERVICE SADDLE & CORP STOP
- Ⓞ SAMPLING STATION
- Ⓟ AIR RELEASE ASSEMBLY
- Ⓡ CUT & CAP EXIST. SERVICE LINE CONNECT W/ COMPRESSION TYPE FITTING

KEY NOTES:

- 1 CONTRACTOR SHALL SAWCUT EXISTING CONCRETE SIDEWALK / PAVEMENT REMOVE & RECONSTRUCT NEW SIDEWALK OR PAVEMENT AFTER NEW WATER LINES ARE INSTALLED. MATCH EXISTING SIDEWALK OR PAVEMENT WIDTH, DEPTH & ELEVATIONS.
- 2 CONTRACTOR SHALL SAWCUT OR BORE EXISTING ROADWAY OR PAVEMENT AS DIRECTED IN THE PLANS.
- 3 SAWCUT ALL CONCRETE CURBS CROSSED WITH OPEN CUT, REMOVE AND RECONSTRUCT.
- 4 REMOVE & RE-INSTALL CHAIN LINK FENCE.
- 5 OPEN CUT EXISTING AGGREGATE SURFACE & RESTORE TO ORIGINAL CONDITION.
- 6 OPEN CUT EXISTING LANDSCAPED AND PLAYGROUND AREAS AND RESTORE TO ORIGINAL CONDITION.
- 7 REMOVE EXISTING TREE, REPLACE TREE WITH NEW TREE, MATCH SIZE & TYPE!
- 8 CONTRACTOR SHALL SAWCUT ASPHALT PAVEMENT, REMOVE & RESTORE AFTER NEW WATER LINE INSTALLATION. MATCH WIDTH, DEPTH & ELEVATIONS.
- 9 FUTURE U.G. STEAM LINE PROJECT
- 10 FUTURE U.G. EHRM PROJECT
- 11 FUTURE ELECTRICAL PROJECT

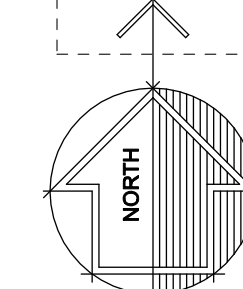
NOTE: NOT ALL NOTES USED ON EACH SHEET.

KEY PLAN



PARTIAL SITE PLAN
DEMOLITION & EROSION
CONTROL PLAN

50 25 0 50 100 FT
SCALE: 1" = 50'

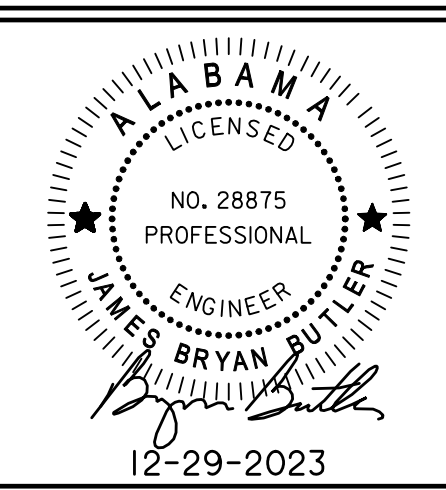


#	Revisions:	Date

CONSULTANTS:

APOGEE
Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420



PROJECT MANAGER

Ballard Project Number 224000

Ballard CLC, Inc.
Architects • Engineers • Surveyors
1009 Bayou Place
Alexandria, LA 71303
Tel. (318) 445-6571 Fax. (318) 448-0257

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: **PARTIAL SITE PLAN DEMOLITION & EROSION CONTROL PLAN**

Location: TUSCALOOSA VA MEDICAL CENTER
3701 LOOP ROAD
TUSCALOOSA, AL, 35404

Project Title: **CORRECT FAILING SANITARY SEWER, WATER MAIN, AND FIRE PROTECTION DEFICIENCIES**

Approved: [Signature]

Date: DEC. 29, 2023 Checked: BCLC Drawn: BCLC

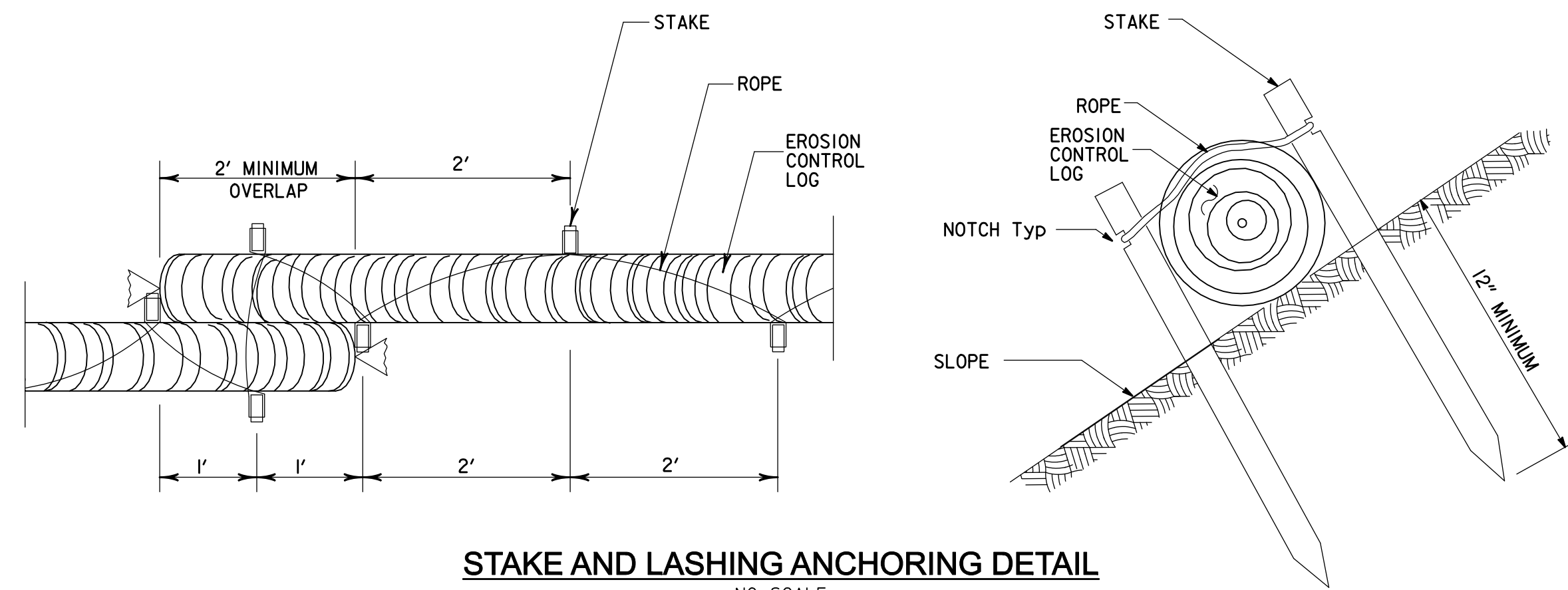
VA PROJECT NUMBER: **679-21-102**

Building Number: **N/A**

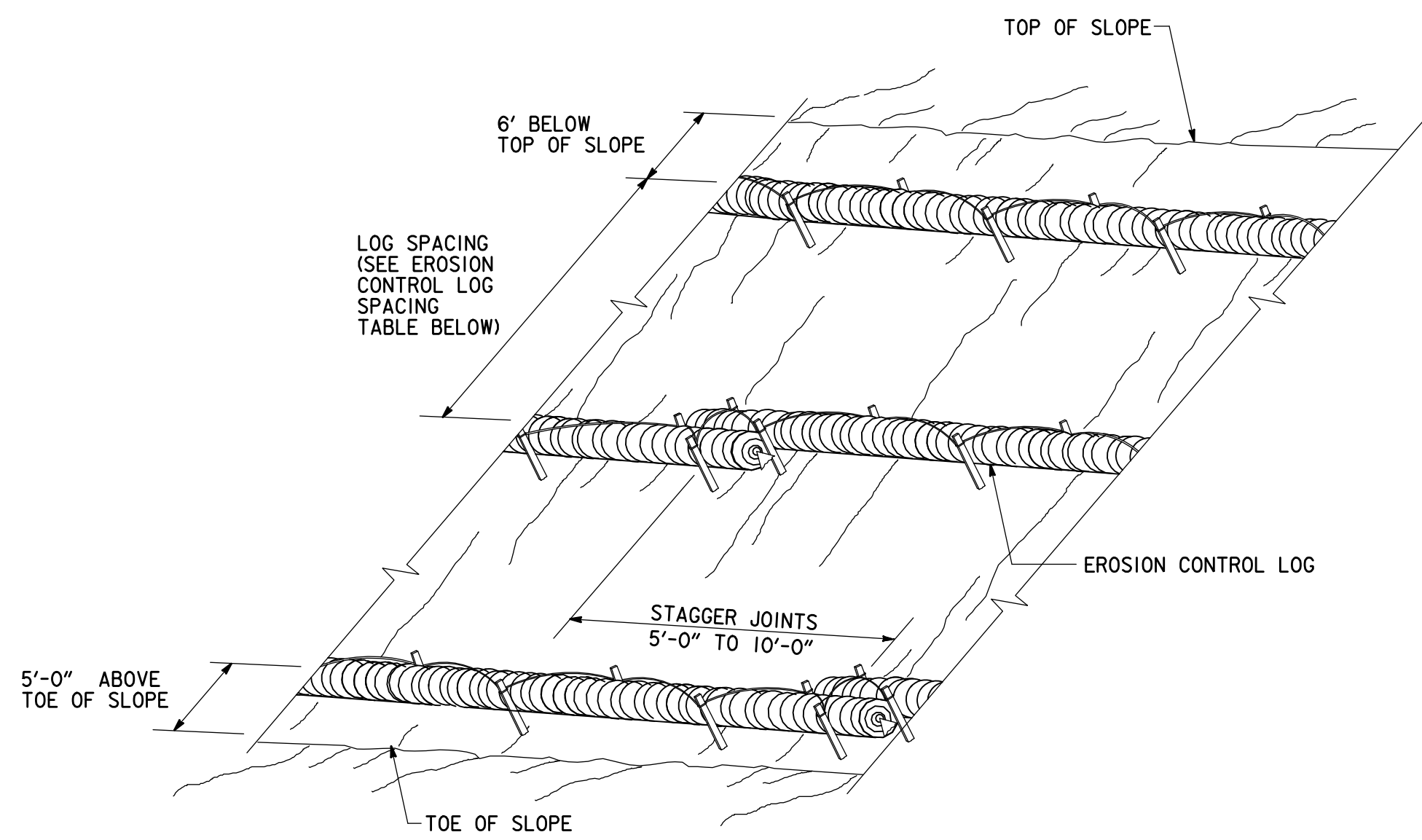
Drawing Number: **C-101**
Dwg. 3 of 27

LEGEND OF MAIN BUILDINGS

- 1 ADMINISTRATIVE/CLINICS
- 2 MENTAL HEALTH OUTPATIENT
- 3 BOILER PLANT/RESEARCH/TENANT SPACE
- 4 AUDITORIUM/HOME BASED PRIMARY CARE
- 5 ENGINEERING/CONTRACTING/CAM OFFICES
- 6 VACANT BUILDING
- 7 VACANT PRTRP-TRANS. HOME
- 8 VACANT TENANT/HOSPICE
- 12 WAREHOUSE
- 13 PUMP HOUSE
- 14 GAS METER HOUSE
- 15 VACANT PRTRP-TRANS. HOME
- 17 ENGINEERING SHOPS
- 18 LAUNDRY
- 28 FLAMMABLE STORAGE
- 33 EUL VALOR GROVE
- 33A EUL VALOR GROVE ADDITION
- 38 PRIMARY CARE
- 39 STORAGE/SWING SPACE
- 40 OIT FIELD OFFICE/CHILD CARE/CALL CENTER/VISN7
- 41 MAT SHOP/GROUNDS
- 46 CHAPEL
- 61 NURSING HOME CARE UNIT
- 62 GENERATOR BUILDING
- 63 ADMINISTRATIVE/LIBRARY
- 101 GREENHOUSE
- 135 AMBULATORY CARE
- 137 PSYCHIATRIC PATIENT/DAYCARE/NHCU
- 138 CHILLER BUILDING
- 139 GENERATOR BUILDING FOR BUILDING 137
- 140 GENERATOR BUILDING FOR BUILDINGS 2 & 38
- 141 GENERATOR BUILDING FOR BUILDINGS 33, 39, & 40
- 142 EMERGENCY MANAGEMENT/ENGINEERING STORAGE
- 143 DIETETICS FACILITY
- 144 HOSPICE OF WEST ALABAMA (HOWA)
- 145 COMMUNITY CENTER (COTTAGE)
- 146 MAGNOLIA HOUSE (COTTAGE)
- 147 CAMELIA HOUSE (COTTAGE)
- 148 FIRE PUMP HOUSE (COTTAGES)
- 149 AZALEA COTTAGE (COTTAGE)



STAKE AND LASHING ANCHORING DETAIL
NO SCALE



**EROSION CONTROL LOGS ON SLOPES
STAKE AND LASHING ANCHORING**
NO SCALE

SLOPE	LOG DIAMETER			
	6"	8"	12"	18"
1:1 OR STEEPER	5'	10'	15'	20'
2:1	10'	20'	30'	40'
3:1	15'	30'	45'	60'
4:1 OR FLATTER	20'	40'	60'	80'

* ADJUSTMENTS CAN BE MADE FOR SOIL TYPE:
SOFT, LOAMY SOILS- ADJUST ROWS CLOSER TOGETHER;
HARD, ROCKY SOILS- ADJUST ROWS FARTHER APART

SHEET NOTES:

1. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA HOSPITAL ENGINEERING OFFICE.
2. ALL ASPHALT ROADWAYS AND PARKING AREAS SHALL BE OPEN CUT OR JACK AND BORED. COORDINATE WITH CONSTRUCTION PLANS. ALL BORING SHALL BE APPROVED BY LOCAL VA.
3. ALL CONCRETE SIDEWALKS, ROADWAYS, OR PARKING LOTS SURFACES THAT ARE OPEN CUT SHALL BE RESTORED TO ORIGINAL CONDITIONS.

LEGEND:

- EXISTING WATER LINE
- EXISTING FIRE LINE
- EXISTING FIRE HYDRANT
- NEW WATER LINE
- NEW WATER LINE BY JACK & BORE
- NEW WATER VALVE
- NEW WATER METER & BOX
- NEW M.J. FITTINGS
- NEW RPZ & ENCLOSURE
- NEW AIR RELEASE ASSEMBLY
- NEW WATER SAMPLING STATION
- ▨ EXISTING BUILDINGS
- △ SURVEY CONTROL POINT
- ▨ EROSION CONTROL LOGS

WATER LINE LEGEND:

- (A) 8" C900 WATER LINE
- (B) 6" C900 WATER LINE
- (C) 4" C900 WATER LINE
- (D) 3" PE WATER LINE
- (E) 2" PE WATER LINE
- (F) 1" PE WATER LINE
- (G) WATER LINE BY JACK & BORE APPROVAL BY LOCAL VA
- (H) GATE VALVES W/ BOX & PAD
- (J) NEW WATER METER & BOX
- (K) BACKFLOW PREVENTER
- (L) M.J. FITTING (TEES, BENDS & REDUCERS)
- (M) TAPPING SLEEVE & VALVE (HOT TAP)
- (N) SERVICE SADDLE & CORP STOP
- (O) SAMPLING STATION
- (P) AIR RELEASE ASSEMBLY
- (R) CUT & CAP EXIST. SERVICE LINE CONNECT W/ COMPRESSION TYPE FITTING

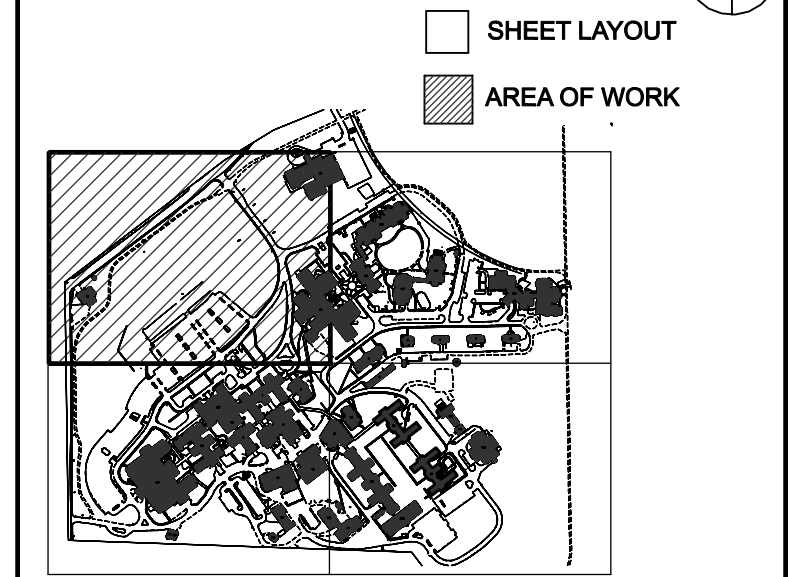
KEY NOTES:

1. CONTRACTOR SHALL SAWCUT EXISTING CONCRETE SIDEWALK / PAVEMENT, REMOVE & RECONSTRUCT NEW SIDEWALK OR PAVEMENT AFTER NEW WATER LINES ARE INSTALLED. MATCH EXISTING SIDEWALK OR PAVEMENT WIDTH, DEPTH & ELEVATIONS.
2. CONTRACTOR SHALL SAWCUT OR BORE EXISTING ROADWAY OR PAVEMENT AS DIRECTED IN THE PLANS.
3. SAWCUT ALL CONCRETE CURBS CROSSED WITH OPEN CUT, REMOVE AND RECONSTRUCT.
4. REMOVE & RE-INSTALL CHAIN LINK FENCE.
5. OPEN CUT EXISTING AGGREGATE SURFACE & RESTORE TO ORIGINAL CONDITION.
6. OPEN CUT EXISTING LANDSCAPED AND PLAYGROUND AREAS AND RESTORE TO ORIGINAL CONDITION.
7. REMOVE EXISTING TREE, REPLACE TREE WITH NEW TREE, MATCH SIZE & TYPE.
8. CONTRACTOR SHALL SAWCUT ASPHALT PAVEMENT, REMOVE & RESTORE AFTER NEW WATER LINE INSTALLATION. MATCH WIDTH, DEPTH & ELEVATIONS.
9. FUTURE U.G. STEAM LINE PROJECT
10. FUTURE U.G. EHRM PROJECT
11. FUTURE ELECTRICAL PROJECT

NOTE:
NOT ALL NOTES USED ON EACH SHEET.

KEY PLAN

SCALE: NO SCALE

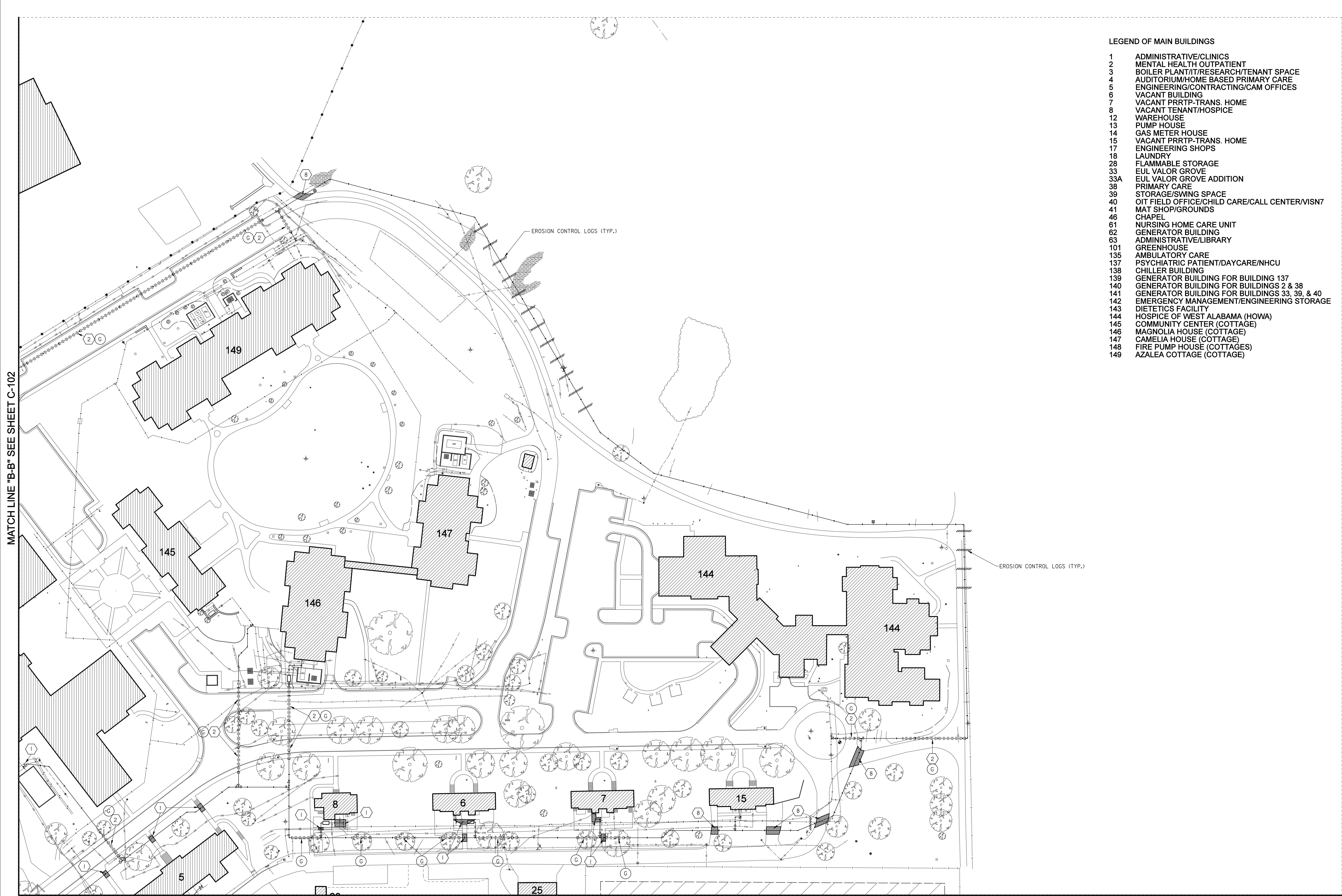


MATCH LINE "B" SEE SHEET C-103

MATCH LINE "A-A" SEE SHEET C-101

**PARTIAL SITE PLAN
DEMOLITION & EROSION
CONTROL PLAN**
SCALE: 1" = 50'

	CONSULTANTS:			PROJECT MANAGER	Ballard Project Number 224000	Office of Construction and Facilities Management	Drawing Title PARTIAL SITE PLAN DEMOLITION & EROSION CONTROL PLAN	Project Title CORRECT FAILING SANITARY SEWER, WATER MAIN, AND FIRE PROTECTION DEFICIENCIES	VA PROJECT NUMBER 679-21-102
	<p>Headquarters: Apogee Consulting Group, P.A. 1151 Kildaire Farm Road, Suite 120 Cary, North Carolina 27511 www.acg-pa.com 919-858-7420</p>	<p>Architects • Engineers • Surveyors Ballard CLC, Inc. 1009 Bayou Place Alexandria, LA 71303 Tel. (318) 445-6571 Fax. (318) 448-0257</p>			<p>TUSCALOOSA VA MEDICAL CENTER 3701 LOOP ROAD TUSCALOOSA, AL, 35404</p>	<p>Approved</p> <p>Date: DEC. 29, 2023 Checked: BCLC Drawn: BCLC</p>	<p>Building Number N/A</p> <p>Drawing Number C-102 Dwg. 4 of 27</p>		



- LEGEND OF MAIN BUILDINGS**
- 1 ADMINISTRATIVE/CLINICS
 - 2 MENTAL HEALTH OUTPATIENT
 - 3 BOILER PLANT/RESEARCH/TENANT SPACE
 - 4 AUDITORIUM/HOME BASED PRIMARY CARE
 - 5 ENGINEERING/CONTRACTING/CAM OFFICES
 - 6 VACANT BUILDING
 - 7 VACANT PR RTP-TRANS. HOME
 - 8 VACANT TENANT/HOSPICE
 - 12 WAREHOUSE
 - 13 PUMP HOUSE
 - 14 GAS METER HOUSE
 - 15 VACANT PR RTP-TRANS. HOME
 - 17 ENGINEERING SHOPS
 - 18 LAUNDRY
 - 28 FLAMMABLE STORAGE
 - 33 EUL VALOR GROVE
 - 33A EUL VALOR GROVE ADDITION
 - 38 PRIMARY CARE
 - 39 STORAGE/SWING SPACE
 - 40 OIT FIELD OFFICE/CHILD CARE/CALL CENTER/VISN7
 - 41 MAT SHOP/GROUNDS
 - 46 CHAPEL
 - 61 NURSING HOME CARE UNIT
 - 62 GENERATOR BUILDING
 - 63 ADMINISTRATIVE/LIBRARY
 - 101 GREENHOUSE
 - 135 AMBULATORY CARE
 - 137 PSYCHIATRIC PATIENT/DAYCARE/NHCU
 - 138 CHILLER BUILDING
 - 139 GENERATOR BUILDING FOR BUILDING 137
 - 140 GENERATOR BUILDING FOR BUILDINGS 2 & 38
 - 141 GENERATOR BUILDING FOR BUILDINGS 33, 39, & 40
 - 142 EMERGENCY MANAGEMENT/ENGINEERING STORAGE
 - 143 DIETETICS FACILITY
 - 144 HOSPICE OF WEST ALABAMA (HOWA)
 - 145 COMMUNITY CENTER (COTTAGE)
 - 146 MAGNOLIA HOUSE (COTTAGE)
 - 147 CAMELIA HOUSE (COTTAGE)
 - 148 FIRE PUMP HOUSE (COTTAGES)
 - 149 AZALEA COTTAGE (COTTAGE)

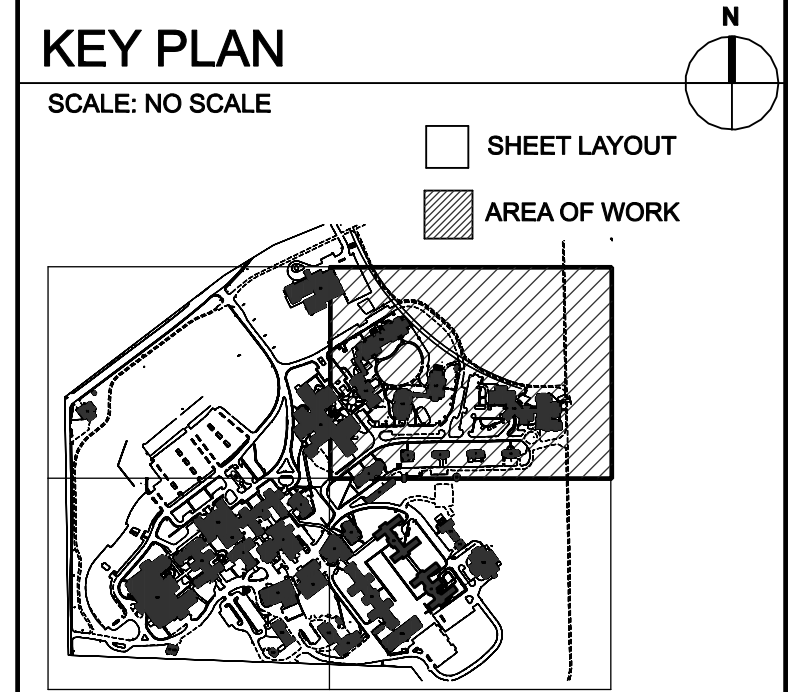
- SHEET NOTES:**
1. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA HOSPITAL ENGINEERING OFFICE.
 2. ALL ASPHALT ROADWAYS AND PARKING AREAS SHALL BE OPEN CUT OR JACK AND BORED. COORDINATE WITH CONSTRUCTION PLANS. ALL BORING SHALL BE APPROVED BY LOCAL VA.
 3. ALL CONCRETE SIDEWALKS, ROADWAYS, OR PARKING LOTS SURFACES THAT ARE OPEN CUT SHALL BE RESTORED TO ORIGINAL CONDITIONS.

- LEGEND:**
- EXISTING WATER LINE
 - EXISTING FIRE LINE
 - EXISTING FIRE HYDRANT
 - NEW WATER LINE
 - NEW WATER LINE BY JACK & BORE
 - NEW WATER VALVE
 - NEW WATER METER & BOX
 - ⊕ NEW M.J. FITTINGS
 - ⊞ NEW RPZ & ENCLOSURE
 - ⊞ NEW AIR RELEASE ASSEMBLY
 - ⊞ NEW WATER SAMPLING STATION
 - ▨ EXISTING BUILDINGS
 - ⊕ SURVEY CONTROL POINT
 - ▨ EROSION CONTROL LOGS

- WATER LINE LEGEND:**
- (A) 8" C900 WATER LINE
 - (B) 6" C900 WATER LINE
 - (C) 4" C900 WATER LINE
 - (D) 3" PE WATER LINE
 - (E) 2" PE WATER LINE
 - (F) 1" PE WATER LINE
 - (G) WATER LINE BY JACK & BORE APPROVAL BY LOCAL VA
 - (H) GATE VALVES W/ BOX & PAD
 - (J) NEW WATER METER & BOX
 - (K) BACKFLOW PREVENTER
 - (L) M.J. FITTING (TEES, BENDS & REDUCERS)
 - (M) TAPPING SLEEVE & VALVE (HOT TAP)
 - (N) SERVICE SADDLE & CORP STOP
 - (O) SAMPLING STATION
 - (P) AIR RELEASE ASSEMBLY
 - (R) CUT & CAP EXIST. SERVICE LINE CONNECT W/ COMPRESSION TYPE FITTING

- KEY NOTES:**
1. CONTRACTOR SHALL SAWCUT EXISTING CONCRETE SIDEWALK / PAVEMENT, REMOVE & RECONSTRUCT NEW SIDEWALK OR PAVEMENT AFTER NEW WATER LINES ARE INSTALLED. (MATCH EXISTING SIDEWALK OR PAVEMENT WIDTH, DEPTH & ELEVATIONS).
 2. CONTRACTOR SHALL SAWCUT OR BORE EXISTING ROADWAY OR PAVEMENT AS DIRECTED IN THE PLANS.
 3. SAWCUT ALL CONCRETE CURBS CROSSED WITH OPEN CUT, REMOVE AND RECONSTRUCT.
 4. REMOVE & RE-INSTALL CHAIN LINK FENCE.
 5. OPEN CUT EXISTING AGGREGATE SURFACE & RESTORE TO ORIGINAL CONDITION.
 6. OPEN CUT EXISTING LANDSCAPED AND PLAYGROUND AREAS AND RESTORE TO ORIGINAL CONDITION.
 7. REMOVE EXISTING TREE, REPLACE TREE WITH NEW TREE, (MATCH SIZE & TYPE).
 8. CONTRACTOR SHALL SAWCUT ASPHALT PAVEMENT, REMOVE & RESTORE AFTER NEW WATER LINE INSTALLATION. (MATCH WIDTH, DEPTH & ELEVATIONS).
 9. FUTURE U.G. STEAM LINE PROJECT
 10. FUTURE U.G. EHRM PROJECT
 11. FUTURE ELECTRICAL PROJECT

NOTE:
NOT ALL NOTES USED ON EACH SHEET.



MATCH LINE "B-B" SEE SHEET C-102

MATCH LINE "C-C" SEE SHEET C-104

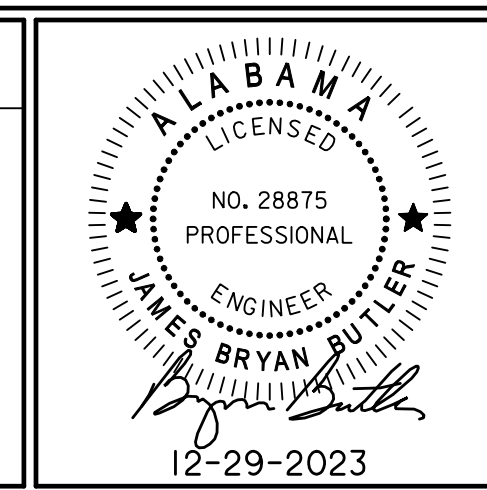
**PARTIAL SITE PLAN
DEMOLITION & EROSION
CONTROL PLAN**
SCALE: 1" = 50'

#	Revisions:	Date

CONSULTANTS:

APOGEE
Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420



PROJECT MANAGER

Ballard Project Number 224000

Ballard CLC, Inc.
Architects • Engineers • Surveyors
1009 Bayou Place
Alexandria, LA 71303
Tel. (318) 445-6571 Fax. (318) 448-0257

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: **PARTIAL SITE PLAN DEMOLITION & EROSION CONTROL PLAN**

Location: TUSCALOOSA VA MEDICAL CENTER
3701 LOOP ROAD
TUSCALOOSA, AL, 35404

Project Title: **CORRECT FAILING SANITARY SEWER, WATER MAIN, AND FIRE PROTECTION DEFICIENCIES**

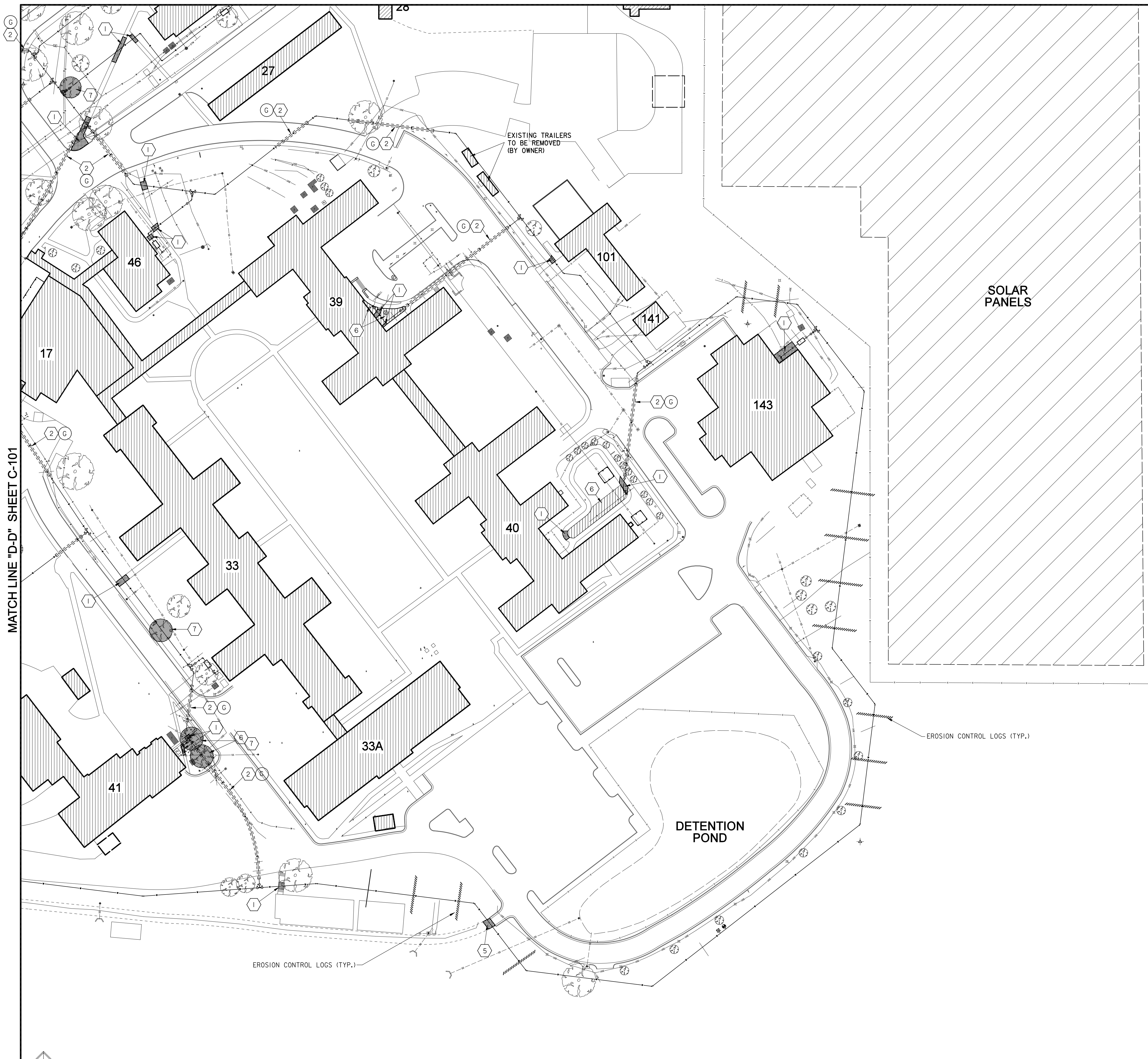
Approved: [Signature]

Date: DEC. 29, 2023 Checked: BCLC Drawn: BCLC

VA PROJECT NUMBER: **679-21-102**

Building Number: **N/A**

Drawing Number: **C-103**
Dwg. 5 of 27



- LEGEND OF MAIN BUILDINGS**
- 1 ADMINISTRATIVE/CLINICS
 - 2 MENTAL HEALTH OUTPATIENT
 - 3 BOILER PLANT/RESEARCH/TENANT SPACE
 - 4 AUDITORIUM/HOME BASED PRIMARY CARE
 - 5 ENGINEERING/CONTRACTING/CAM OFFICES
 - 6 VACANT BUILDING
 - 7 VACANT PR RTP-TRANS. HOME
 - 8 VACANT TENANT/HOSPICE
 - 12 WAREHOUSE
 - 13 PUMP HOUSE
 - 14 GAS METER HOUSE
 - 15 VACANT PR RTP-TRANS. HOME
 - 17 ENGINEERING SHOPS
 - 28 LAUNDRY
 - 33 FLAMMABLE STORAGE
 - 33A EUL VALOR GROVE
 - 38 EUL VALOR GROVE ADDITION
 - 39 PRIMARY CARE
 - 40 STORAGE/SWING SPACE
 - 41 OIT FIELD OFFICE/CHILD CARE/CALL CENTER/VISN7
 - 46 MAT SHOP/GROUNDS
 - 61 CHAPEL
 - 61 NURSING HOME CARE UNIT
 - 62 GENERATOR BUILDING
 - 63 ADMINISTRATIVE/LIBRARY
 - 101 GREENHOUSE
 - 135 AMBULATORY CARE
 - 137 PSYCHIATRIC PATIENT/DAYCARE/NHCU
 - 138 CHILLER BUILDING
 - 139 GENERATOR BUILDING FOR BUILDING 137
 - 140 GENERATOR BUILDING FOR BUILDINGS 2 & 38
 - 141 GENERATOR BUILDING FOR BUILDINGS 33, 39, & 40
 - 142 EMERGENCY MANAGEMENT/ENGINEERING STORAGE
 - 143 DIETETICS FACILITY
 - 144 HOSPICE OF WEST ALABAMA (HOWA)
 - 145 COMMUNITY CENTER (COTTAGE)
 - 146 MAGNOLIA HOUSE (COTTAGE)
 - 147 CAMELIA HOUSE (COTTAGE)
 - 148 FIRE PUMP HOUSE (COTTAGES)
 - 149 AZALEA COTTAGE (COTTAGE)

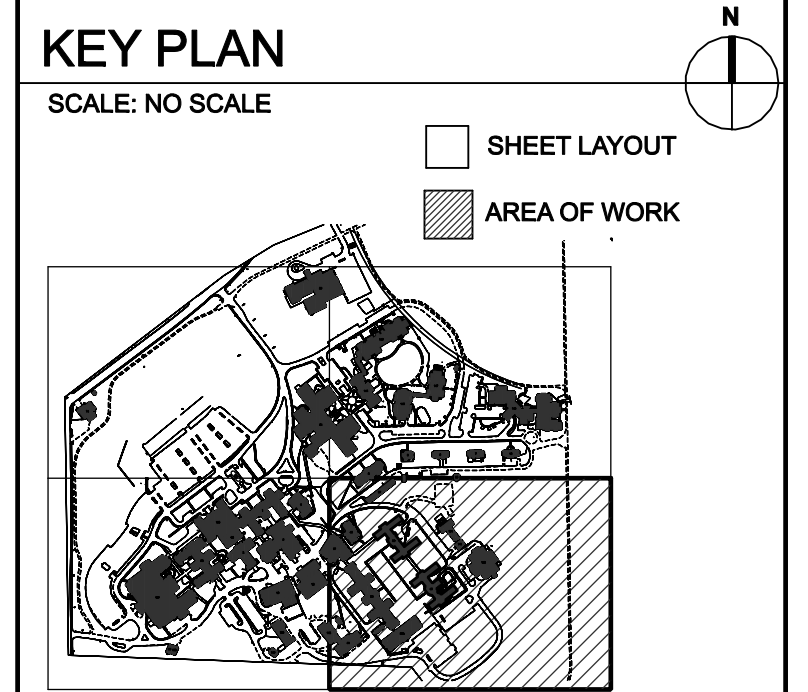
- SHEET NOTES:**
1. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA HOSPITAL ENGINEERING OFFICE.
 2. ALL ASPHALT ROADWAYS AND PARKING AREAS SHALL BE OPEN CUT OR JACK AND BORED. COORDINATE WITH CONSTRUCTION PLANS. ALL BORING SHALL BE APPROVED BY LOCAL VA.
 3. ALL CONCRETE SIDEWALKS, ROADWAYS OR PARKING LOTS SHALL BE OPEN CUT OR OPEN CUT SHALL BE RESTORED TO ORIGINAL CONDITIONS.

- LEGEND:**
- EXISTING WATER LINE
 - EXISTING FIRE LINE
 - EXISTING FIRE HYDRANT
 - NEW WATER LINE
 - NEW WATER LINE BY JACK & BORE
 - NEW WATER VALVE
 - NEW WATER METER & BOX
 - ⊕ NEW M.J. FITTINGS
 - ⊕ NEW RPZ & ENCLOSURE
 - ⊕ NEW AIR RELEASE ASSEMBLY
 - ⊕ NEW WATER SAMPLING STATION
 - ▨ EXISTING BUILDINGS
 - △ SURVEY CONTROL POINT
 - ▨ EROSION CONTROL LOGS

- WATER LINE LEGEND:**
- (A) 8" C900 WATER LINE
 - (B) 6" C900 WATER LINE
 - (C) 4" C900 WATER LINE
 - (D) 3" PE WATER LINE
 - (E) 2" PE WATER LINE
 - (F) 1" PE WATER LINE
 - (G) WATER LINE BY JACK & BORE APPROVAL BY LOCAL VA
 - (H) GATE VALVES W/ BOX & PAD
 - (J) NEW WATER METER & BOX
 - (K) BACKFLOW PREVENTER
 - (L) M.J. FITTING (TEES, BENDS & REDUCERS)
 - (M) TAPPING SLEEVE & VALVE (HOT TAP)
 - (N) SERVICE SADDLE & CORP STOP
 - (O) SAMPLING STATION
 - (P) AIR RELEASE ASSEMBLY
 - (R) CUT & CAP EXIST. SERVICE LINE CONNECT W/ COMPRESSION TYPE FITTING

- KEY NOTES:**
1. CONTRACTOR SHALL SAWCUT EXISTING CONCRETE SIDEWALK / PAVEMENT REMOVE & RECONSTRUCT NEW SIDEWALK OR PAVEMENT AFTER NEW WATER LINES ARE INSTALLED. MATCH EXISTING SIDEWALK OR PAVEMENT WIDTH, DEPTH & ELEVATIONS.
 2. CONTRACTOR SHALL SAWCUT OR BORE EXISTING ROADWAY OR PAVEMENT AS DIRECTED IN THE PLANS.
 3. SAWCUT ALL CONCRETE CURBS CROSSED WITH OPEN CUT, REMOVE AND RECONSTRUCT.
 4. REMOVE & RE-INSTALL CHAIN LINK FENCE.
 5. OPEN CUT EXISTING AGGREGATE SURFACE & RESTORE TO ORIGINAL CONDITION.
 6. OPEN CUT EXISTING LANDSCAPED AND PLAYGROUND AREAS AND RESTORE TO ORIGINAL CONDITION.
 7. REMOVE EXISTING TREE, REPLACE TREE WITH NEW TREE, MATCH SIZE & TYPE!
 8. CONTRACTOR SHALL SAWCUT ASPHALT PAVEMENT, REMOVE & RESTORE AFTER NEW WATER LINE INSTALLATION. MATCH WIDTH, DEPTH & ELEVATIONS.
 9. FUTURE U.G. STEAM LINE PROJECT
 10. FUTURE U.G. EHRM PROJECT
 11. FUTURE ELECTRICAL PROJECT

NOTE: NOT ALL NOTES USED ON EACH SHEET.



MATCH LINE "D-D" SHEET C-101

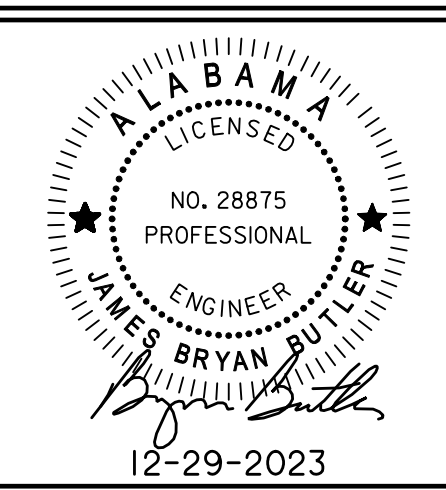
**PARTIAL SITE PLAN
DEMOLITION & EROSION
CONTROL PLAN**
SCALE: 1" = 50'

#	Revisions:	Date

CONSULTANTS:

APOGEE
Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420



PROJECT MANAGER Ballard Project Number 224000

Ballard CLC, Inc.
Architects • Engineers • Surveyors
1009 Bayou Place
Alexandria, LA 71303
Tel. (318) 445-6571 Fax. (318) 448-0257

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: **PARTIAL SITE PLAN DEMOLITION & EROSION CONTROL PLAN**

Location: TUSCALOOSA VA MEDICAL CENTER
3701 LOOP ROAD
TUSCALOOSA, AL, 35404

Project Title: **CORRECT FAILING SANITARY SEWER, WATER MAIN, AND FIRE PROTECTION DEFICIENCIES**

Approved: [Signature]

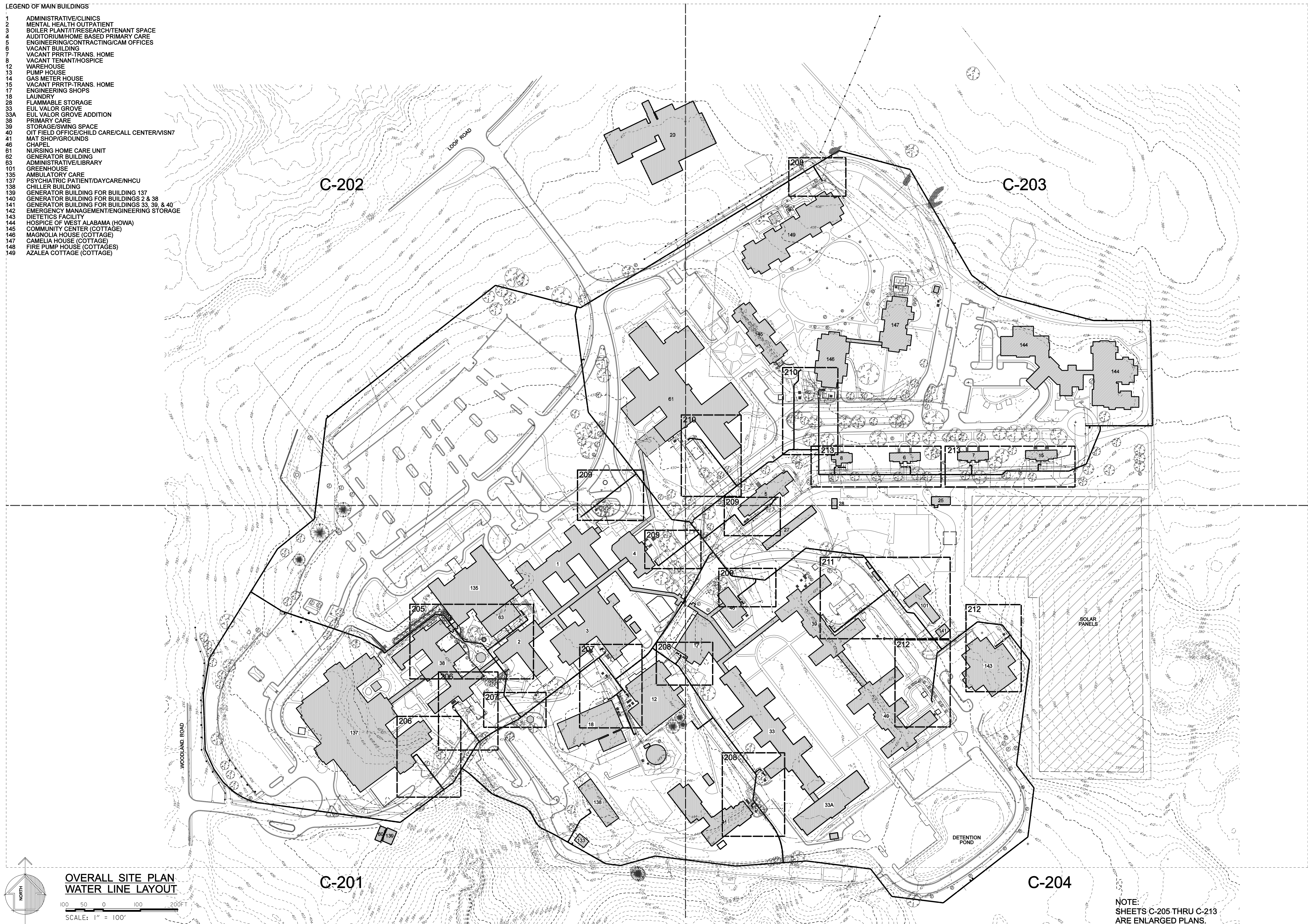
Date: DEC. 29, 2023 Checked: BCLC Drawn: BCLC

VA PROJECT NUMBER: **679-21-102**

Building Number: **N/A**

Drawing Number: **C-104**
Dwg. 6 of 27

- LEGEND OF MAIN BUILDINGS**
- 1 ADMINISTRATIVE/CLINICS
 - 2 MENTAL HEALTH OUTPATIENT
 - 3 BOILER PLANT/RESEARCH/TENANT SPACE
 - 4 AUDITORIUM/HOME BASED PRIMARY CARE
 - 5 ENGINEERING/CONTRACTING/CAM OFFICES
 - 6 VACANT BUILDING
 - 7 VACANT PRRTP-TRANS. HOME
 - 8 VACANT TENANT/HOSPICE
 - 12 WAREHOUSE
 - 13 PUMP HOUSE
 - 14 GAS METER HOUSE
 - 15 VACANT PRRTP-TRANS. HOME
 - 17 ENGINEERING SHOPS
 - 18 LAUNDRY
 - 28 FLAMMABLE STORAGE
 - 33 EUL VALOR GROVE
 - 33A EUL VALOR GROVE ADDITION
 - 38 PRIMARY CARE
 - 39 STORAGE/SWING SPACE
 - 40 OTT FIELD OFFICE/CHILD CARE/CALL CENTER/VISIT MAT SHOP/GROUNDS
 - 41 CHAPEL
 - 61 NURSING HOME CARE UNIT
 - 62 GENERATOR BUILDING
 - 63 ADMINISTRATIVE/LIBRARY
 - 101 GREENHOUSE
 - 135 AMBULATORY CARE
 - 137 PSYCHIATRIC PATIENT/DAYCARE/NHCU
 - 138 CHILLER BUILDING
 - 139 GENERATOR BUILDING FOR BUILDING 137
 - 140 GENERATOR BUILDING FOR BUILDINGS 2, 3, 38
 - 141 GENERATOR BUILDING FOR BUILDINGS 33, 39, & 40
 - 142 EMERGENCY MANAGEMENT/ENGINEERING STORAGE
 - 143 DIETETICS FACILITY
 - 144 HOSPICE OF WEST ALABAMA (HOWA)
 - 145 COMMUNITY CENTER (COTTAGE)
 - 146 MAGNOLIA HOUSE (COTTAGE)
 - 147 CAMELIA HOUSE (COTTAGE)
 - 148 FIRE PUMP HOUSE (COTTAGES)
 - 149 AZALEA COTTAGE (COTTAGE)



SHEET NOTES:

1. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA HOSPITAL ENGINEERING OFFICE.
2. ALL ASPHALT ROADWAYS AND PARKING AREAS SHALL BE OPEN CUT OR JACK AND BORED. COORDINATE WITH CONSTRUCTION PLANS. ALL BORING SHALL BE APPROVED BY LOCAL VA.
3. ALL CONCRETE SIDEWALKS, ROADWAYS, OR PARKING LOTS SURFACES THAT ARE OPEN CUT SHALL BE RESTORED TO ORIGINAL CONDITIONS.

LEGEND:

- EXISTING WATER LINE
- EXISTING FIRE LINE
- EXISTING FIRE HYDRANT
- NEW WATER LINE
- NEW WATER LINE BY JACK & BORE
- NEW WATER VALVE
- NEW WATER METER & BOX
- NEW M.J. FITTINGS
- NEW RPZ & ENCLOSURE
- NEW AIR RELEASE ASSEMBLY
- NEW WATER SAMPLING STATION
- ▨ EXISTING BUILDINGS
- ⊙ SURVEY CONTROL POINT

WATER LINE LEGEND:

- (A) 8" C900 WATER LINE
- (B) 6" C900 WATER LINE
- (C) 4" C900 WATER LINE
- (D) 3" PE WATER LINE
- (E) 2" PE WATER LINE
- (F) 1" PE WATER LINE
- (G) WATER LINE BY JACK & BORE APPROVAL BY LOCAL VA
- (H) GATE VALVES W/ BOX & PAD
- (J) NEW WATER METER & BOX
- (K) BACKFLOW PREVENTER
- (L) M.J. FITTING (TEES, BENDS & REDUCERS)
- (M) TAPPING SLEEVE & VALVE (HOT TAP)
- (N) SERVICE SADDLE & CORP STOP
- (O) SAMPLING STATION
- (P) AIR RELEASE ASSEMBLY
- (R) CUT & CAP EXIST. SERVICE LINE CONNECT W/ COMPRESSION TYPE FITTING

KEY NOTES:

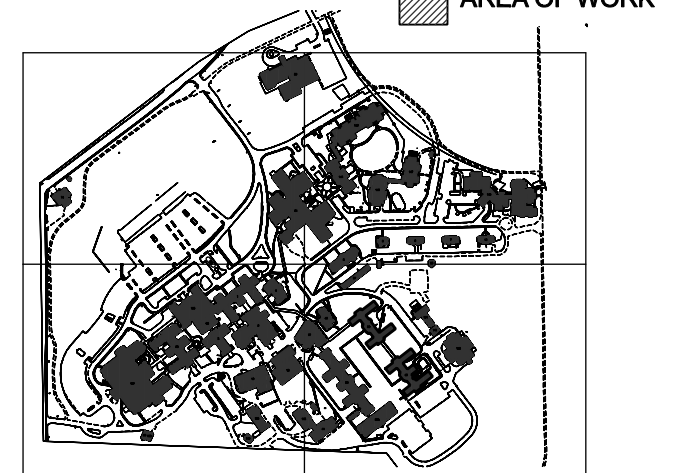
1. CONTRACTOR SHALL SAWCUT EXISTING CONCRETE SIDEWALK / PAVEMENT REMOVE & RECONSTRUCT NEW SIDEWALK OR PAVEMENT AFTER NEW WATER LINES ARE INSTALLED (MATCH EXISTING SIDEWALK OR PAVEMENT WIDTH, DEPTH & ELEVATIONS).
2. CONTRACTOR SHALL SAWCUT OR BORE EXISTING ROADWAY OR PAVEMENT AS DIRECTED IN THE PLANS.
3. SAWCUT ALL CONCRETE CURBS CROSSED WITH OPEN CUT, REMOVE AND RECONSTRUCT.
4. REMOVE & RE-INSTALL CHAIN LINK FENCE.
5. OPEN CUT EXISTING AGGREGATE SURFACE & RESTORE TO ORIGINAL CONDITION.
6. OPEN CUT EXISTING LANDSCAPED AND PLAYGROUND AREAS AND RESTORE TO ORIGINAL CONDITION.
7. REMOVE EXISTING TREE, REPLACE TREE WITH NEW TREE (MATCH SIZE & TYPE).
8. CONTRACTOR SHALL SAWCUT ASPHALT PAVEMENT, REMOVE & RESTORE AFTER NEW WATER LINE INSTALLATION. (MATCH WIDTH, DEPTH & ELEVATIONS).
9. FUTURE U.G. STEAM LINE PROJECT
10. FUTURE U.G. EHRM PROJECT
11. FUTURE ELECTRICAL PROJECT

NOTE:
NOT ALL NOTES USED ON EACH SHEET.

KEY PLAN

SCALE: NO SCALE

- SHEET LAYOUT
- ▨ AREA OF WORK



NOTE:
SHEETS C-205 THRU C-213
ARE ENLARGED PLANS.

**OVERALL SITE PLAN
WATER LINE LAYOUT**
SCALE: 1" = 100'

#	Revisions:	Date

CONSULTANTS:

APOGEE
Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511

www.acg-pa.com 919-858-7420

ALABAMA
LICENSED PROFESSIONAL ENGINEER
BRYAN J. BRYAN
12-29-2023

U.S. Department of Veterans Affairs

PROJECT MANAGER

Ballard Project Number 224000

Ballard CLC, Inc.
Architects • Engineers • Surveyors
1009 Bayou Place
Alexandria, LA 71303
Tel. (318) 445-6571 Fax. (318) 448-0257

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
**OVERALL SITE PLAN
WATER LINE LAYOUT**

Location
TUSCALOOSA VA MEDICAL CENTER
3701 LOOP ROAD
TUSCALOOSA, AL, 35404

Project Title
**CORRECT FAILING SANITARY
SEWER, WATER MAIN, AND
FIRE PROTECTION DEFICIENCIES**

Approved
Date DEC. 29, 2023 Checked BCLC Drawn BCLC

VA PROJECT NUMBER
679-21-102

Building Number
N/A

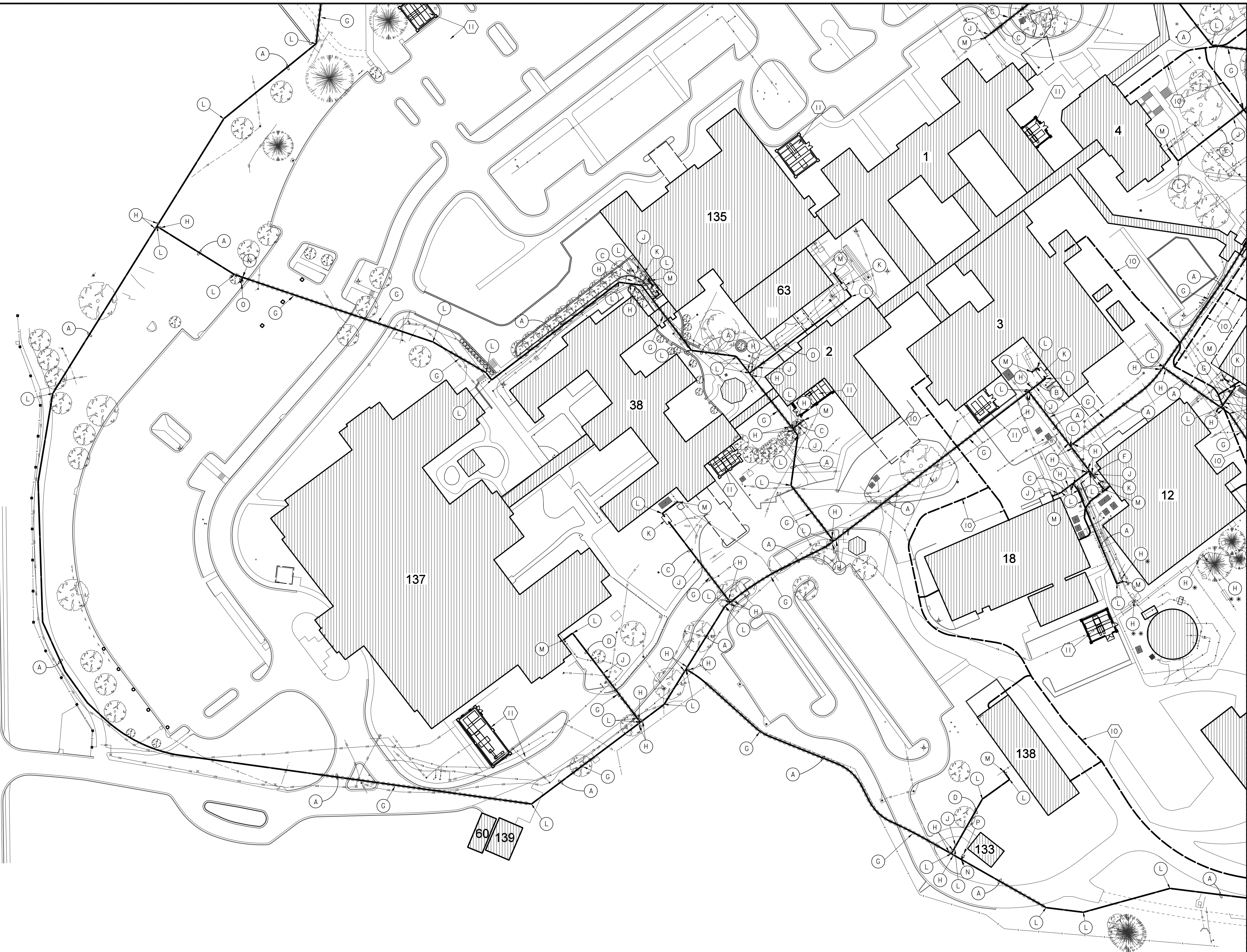
Drawing Number
C-200
Dwg. 7 of 27

MATCH LINE "A-A" SEE SHEET C202

LEGEND OF MAIN BUILDINGS

- 1 ADMINISTRATIVE/CLINICS
- 2 MENTAL HEALTH OUTPATIENT
- 3 BOILER PLANT/RESEARCH/TENANT SPACE
- 4 AUDITORIUM/HOME BASED PRIMARY CARE
- 5 ENGINEERING/CONTRACTING/CAM OFFICES
- 6 VACANT BUILDING
- 7 VACANT PRTRP-TRANS. HOME
- 8 VACANT TENANT/HOSPICE
- 12 WAREHOUSE
- 13 PUMP HOUSE
- 14 GAS METER HOUSE
- 15 VACANT PRTRP-TRANS. HOME
- 17 ENGINEERING SHOPS
- 18 LAUNDRY
- 28 FLAMMABLE STORAGE
- 33 EUL VALOR GROVE
- 33A EUL VALOR GROVE ADDITION
- 38 PRIMARY CARE
- 39 STORAGE/SWING SPACE
- 40 OIT FIELD OFFICE/CHILD CARE/CALL CENTER/VISN7
- 41 MAT SHOP/GROUNDS
- 46 CHAPEL
- 61 NURSING HOME CARE UNIT
- 62 GENERATOR BUILDING
- 63 ADMINISTRATIVE/LIBRARY
- 101 GREENHOUSE
- 135 AMBULATORY CARE
- 137 PSYCHIATRIC PATIENT/DAYCARE/NHCU
- 138 CHILLER BUILDING
- 139 GENERATOR BUILDING FOR BUILDING 137
- 140 GENERATOR BUILDING FOR BUILDINGS 2 & 38
- 141 GENERATOR BUILDING FOR BUILDINGS 33, 39, & 40
- 142 EMERGENCY MANAGEMENT/ENGINEERING STORAGE
- 143 DIETETICS FACILITY
- 144 HOSPICE OF WEST ALABAMA (HOWA)
- 145 COMMUNITY CENTER (COTTAGE)
- 146 MAGNOLIA HOUSE (COTTAGE)
- 147 CAMELIA HOUSE (COTTAGE)
- 148 FIRE PUMP HOUSE (COTTAGES)
- 149 AZALEA COTTAGE (COTTAGE)

WOODLAND ROAD



MATCH LINE "D-D" SEE SHEET C-204

SHEET NOTES:

1. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA HOSPITAL ENGINEERING OFFICE.
2. ALL ASPHALT ROADWAYS AND PARKING AREAS SHALL BE OPEN CUT OR JACK AND BORED. ALL BORING SHALL BE APPROVED BY LOCAL VA.
3. ALL CONCRETE SIDEWALKS, ROADWAYS OR PARKING LOTS SIDEWALKS THAT ARE OPEN CUT SHALL BE RESTORED TO ORIGINAL CONDITIONS.

LEGEND:

- EXISTING WATER LINE
- EXISTING FIRE LINE
- EXISTING FIRE HYDRANT
- NEW WATER LINE
- NEW WATER LINE BY JACK & BORE
- NEW WATER VALVE
- NEW WATER METER & BOX
- NEW M.J. FITTINGS
- NEW RPZ & ENCLOSURE
- NEW AIR RELEASE ASSEMBLY
- NEW WATER SAMPLING STATION
- ▨ EXISTING BUILDINGS
- △ SURVEY CONTROL POINT

WATER LINE LEGEND:

- A 8" C900 WATER LINE
- B 6" C900 WATER LINE
- C 4" C900 WATER LINE
- D 3" PE WATER LINE
- E 2" PE WATER LINE
- F 1" PE WATER LINE
- G WATER LINE BY JACK & BORE APPROVAL BY LOCAL VA
- H GATE VALVES W/ BOX & PAD
- J NEW WATER METER & BOX
- K BACKFLOW PREVENTER
- L M.J. FITTING (TEES, BENDS & REDUCERS)
- M TAPPING SLEEVE & VALVE (HOT TAP)
- N SERVICE SADDLE & CORP STOP
- O SAMPLING STATION
- P AIR RELEASE ASSEMBLY
- R CUT & CAP EXIST. SERVICE LINE CONNECT W/ COMPRESSION TYPE FITTING

KEY NOTES:

- 1 CONTRACTOR SHALL SAWCUT EXISTING CONCRETE SIDEWALK / PAVEMENT REMOVE & RECONSTRUCT NEW SIDEWALK OR PAVEMENT AFTER NEW WATER LINES ARE INSTALLED. (MATCH EXISTING SIDEWALK OR PAVEMENT WIDTH, DEPTH & ELEVATIONS).
- 2 CONTRACTOR SHALL SAWCUT OR BORE EXISTING ROADWAY OR PAVEMENT AS DIRECTED IN THE PLANS.
- 3 SAWCUT ALL CONCRETE CURBS CROSSED WITH OPEN CUT, REMOVE AND RECONSTRUCT.
- 4 REMOVE & RE-INSTALL CHAIN LINK FENCE.
- 5 OPEN CUT EXISTING AGGREGATE SURFACE & RESTORE TO ORIGINAL CONDITION.
- 6 OPEN CUT EXISTING LANDSCAPED AND PLAYGROUND AREAS AND RESTORE TO ORIGINAL CONDITION.
- 7 REMOVE EXISTING TREE, REPLACE TREE WITH NEW TREE, (MATCH SIZE & TYPE).
- 8 CONTRACTOR SHALL SAWCUT ASPHALT PAVEMENT, REMOVE & RESTORE AFTER NEW WATER LINE INSTALLATION. (MATCH WIDTH, DEPTH & ELEVATIONS).
- 9 FUTURE U.G. STEAM LINE PROJECT
- 10 FUTURE U.G. EHRM PROJECT
- 11 FUTURE ELECTRICAL PROJECT

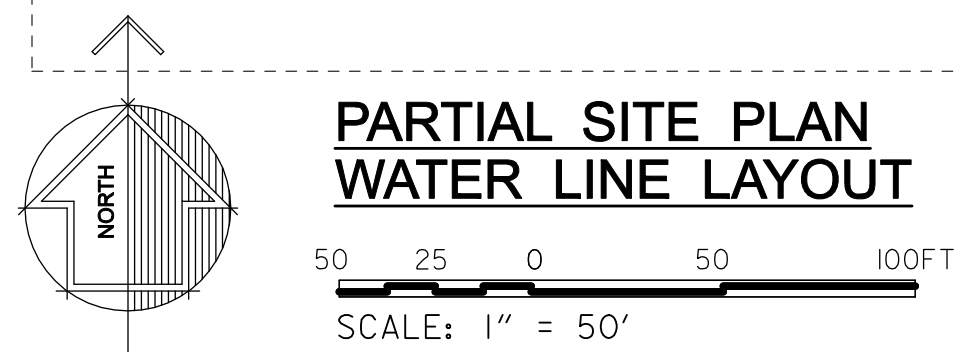
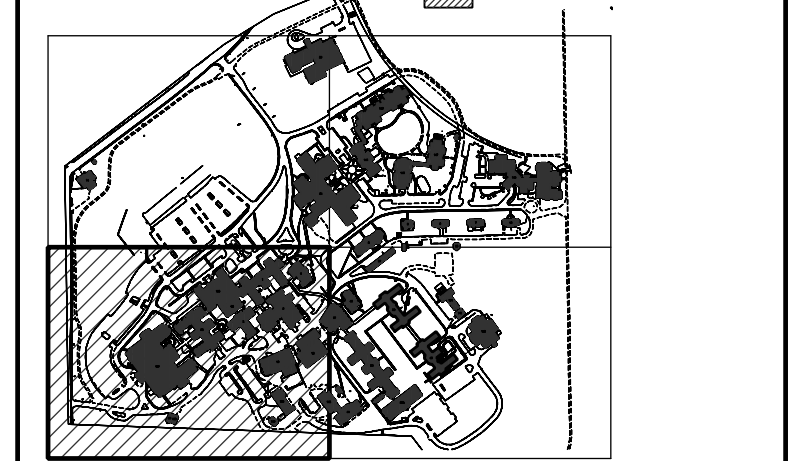
NOTE:
NOT ALL NOTES USED ON EACH SHEET.

- * INSTALL NEW WATER VALVE AND PAD
- ** REPLACE WATER VALVE AND PAD

KEY PLAN

SCALE: NO SCALE

□ SHEET LAYOUT
▨ AREA OF WORK



#	Revisions:	Date

CONSULTANTS:

APOGEE
Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

U.S. Department of Veterans Affairs

PROJECT MANAGER

Ballard Project Number 224000

Ballard CLC, Inc.
Architects • Engineers • Surveyors
1009 Bayou Place
Alexandria, LA 71303
Tel. (318) 445-6571 Fax. (318) 448-0257

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
PARTIAL SITE PLAN WATER LINE LAYOUT

Location
TUSCALOOSA VA MEDICAL CENTER
3701 LOOP ROAD
TUSCALOOSA, AL, 35404

Project Title
CORRECT FAILING SANITARY SEWER, WATER MAIN, AND FIRE PROTECTION DEFICIENCIES

Approved
Date DEC. 29, 2023
Checked BCLC
Drawn BCLC

VA PROJECT NUMBER
679-21-102

Building Number
N/A

Drawing Number
C-201
Dwg. 8 of 27

LEGEND OF MAIN BUILDINGS

- 1 ADMINISTRATIVE/CLINICS
- 2 MENTAL HEALTH OUTPATIENT
- 3 BOILER PLANT/RESEARCH/TENANT SPACE
- 4 AUDITORIUM/HOME BASED PRIMARY CARE
- 5 ENGINEERING/CONTRACTING/CAM OFFICES
- 6 VACANT BUILDING
- 7 VACANT PRTRP-TRANS. HOME
- 8 VACANT TENANT/HOSPICE
- 12 WAREHOUSE
- 13 PUMP HOUSE
- 14 GAS METER HOUSE
- 15 VACANT PRTRP-TRANS. HOME
- 17 ENGINEERING SHOPS
- 18 LAUNDRY
- 28 FLAMMABLE STORAGE
- 33 EUL VALOR GROVE
- 33A EUL VALOR GROVE ADDITION
- 38 PRIMARY CARE
- 39 STORAGE/SWING SPACE
- 40 OIT FIELD OFFICE/CHILD CARE/CALL CENTER/VISN7
- 41 MAT SHOP/GROUNDS
- 46 CHAPEL
- 61 NURSING HOME CARE UNIT
- 62 GENERATOR BUILDING
- 63 ADMINISTRATIVE/LIBRARY
- 101 GREENHOUSE
- 135 AMBULATORY CARE
- 137 PSYCHIATRIC PATIENT/DAYCARE/NHCU
- 138 CHILLER BUILDING
- 139 GENERATOR BUILDING FOR BUILDING 137
- 140 GENERATOR BUILDING FOR BUILDINGS 2 & 38
- 141 GENERATOR BUILDING FOR BUILDINGS 33, 39, & 40
- 142 EMERGENCY MANAGEMENT/ENGINEERING STORAGE
- 143 DIETETICS FACILITY
- 144 HOSPICE OF WEST ALABAMA (HOWA)
- 145 COMMUNITY CENTER (COTTAGE)
- 146 MAGNOLIA HOUSE (COTTAGE)
- 147 CAMELIA HOUSE (COTTAGE)
- 148 FIRE PUMP HOUSE (COTTAGES)
- 149 AZALEA COTTAGE (COTTAGE)

SHEET NOTES:

1. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA HOSPITAL ENGINEERING OFFICE.
2. ALL ASPHALT ROADWAYS AND PARKING AREAS SHALL BE OPEN CUT OR JACK AND BORED. COORDINATE WITH CONSTRUCTION PLANS. ALL BORING SHALL BE APPROVED BY LOCAL VA.
3. ALL CONCRETE SIDEWALKS, ROADWAYS, OR PARKING LOTS SURFACES THAT ARE OPEN CUT SHALL BE RESTORED TO ORIGINAL CONDITIONS.

LEGEND:

- EXISTING WATER LINE
- EXISTING FIRE LINE
- EXISTING FIRE HYDRANT
- NEW WATER LINE
- NEW WATER LINE BY JACK & BORE
- NEW WATER VALVE
- NEW WATER METER & BOX
- NEW M.J. FITTINGS
- NEW RPZ & ENCLOSURE
- NEW AIR RELEASE ASSEMBLY
- NEW WATER SAMPLING STATION
- ▨ EXISTING BUILDINGS
- △ SURVEY CONTROL POINT

WATER LINE LEGEND:

- (A) 8" C900 WATER LINE
- (B) 6" C900 WATER LINE
- (C) 4" C900 WATER LINE
- (D) 3" PE WATER LINE
- (E) 2" PE WATER LINE
- (F) 1" PE WATER LINE
- (G) WATER LINE BY JACK & BORE APPROVAL BY LOCAL VA
- (H) GATE VALVES W/ BOX & PAD
- (J) NEW WATER METER & BOX
- (K) BACKFLOW PREVENTER
- (L) M.J. FITTING (TEES, BENDS & REDUCERS)
- (M) TAPPING SLEEVE & VALVE (HOT TAP)
- (N) SERVICE SADDLE & CORP STOP
- (O) SAMPLING STATION
- (P) AIR RELEASE ASSEMBLY
- (R) CUT & CAP EXIST. SERVICE LINE CONNECT W/ COMPRESSION TYPE FITTING

KEY NOTES:

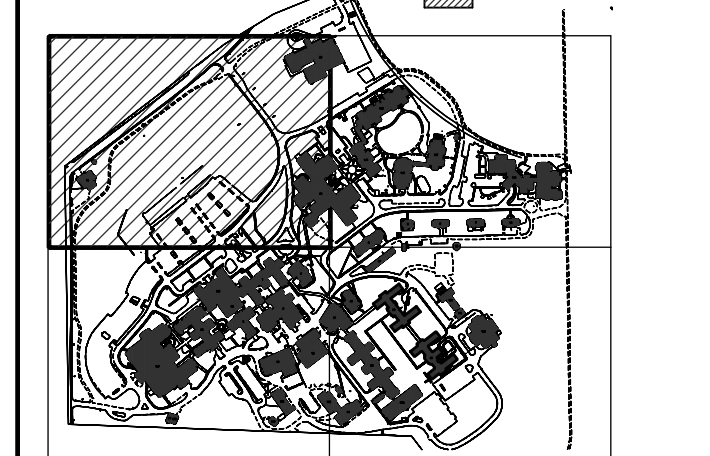
1. CONTRACTOR SHALL SAWCUT EXISTING CONCRETE SIDEWALK / PAVEMENT, REMOVE & RECONSTRUCT NEW SIDEWALK OR PAVEMENT AFTER NEW WATER LINES ARE INSTALLED. MATCH EXISTING SIDEWALK OR PAVEMENT WIDTH, DEPTH & ELEVATIONS.
2. CONTRACTOR SHALL SAWCUT OR BORE EXISTING ROADWAY OR PAVEMENT AS DIRECTED IN THE PLANS.
3. SAWCUT ALL CONCRETE CURBS CROSSED WITH OPEN CUT, REMOVE AND RECONSTRUCT.
4. REMOVE & RE-INSTALL CHAIN LINK FENCE.
5. OPEN CUT EXISTING AGGREGATE SURFACE & RESTORE TO ORIGINAL CONDITION.
6. OPEN CUT EXISTING LANDSCAPED AND PLAYGROUND AREAS AND RESTORE TO ORIGINAL CONDITION.
7. REMOVE EXISTING TREE, REPLACE TREE WITH NEW TREE, MATCH SIZE & TYPE.
8. CONTRACTOR SHALL SAWCUT ASPHALT PAVEMENT, REMOVE & RESTORE AFTER NEW WATER LINE INSTALLATION. MATCH WIDTH, DEPTH & ELEVATIONS.
9. FUTURE U.G. STEAM LINE PROJECT
10. FUTURE U.G. EHRM PROJECT
11. FUTURE ELECTRICAL PROJECT

NOTE:
NOT ALL NOTES USED ON EACH SHEET.

KEY PLAN

SCALE: NO SCALE

- SHEET LAYOUT
- ▨ AREA OF WORK



MATCH LINE "A-A" SEE SHEET C-201

MATCH LINE "B-B" SEE SHEET C-203

**PARTIAL SITE PLAN
WATER LINE LAYOUT**

50 25 0 50 100FT
SCALE: 1" = 50'

#	Revisions:	Date

CONSULTANTS:

APOGEE
Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

ALABAMA
NO. 28875
PROFESSIONAL
ENGINEER
BRYAN
MULLIN
12-29-2023

U.S. Department of Veterans Affairs

PROJECT MANAGER

Ballard Project Number
224000

Ballard CLC, Inc.
Architects • Engineers • Surveyors
1009 Bayou Place
Alexandria, LA 71303
Tel. (318) 445-6571 Fax. (318) 448-0257

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
**PARTIAL SITE PLAN
WATER LINE LAYOUT**

Location
TUSCALOOSA VA MEDICAL CENTER
3701 LOOP ROAD
TUSCALOOSA, AL, 35404

Project Title
**CORRECT FAILING SANITARY
SEWER, WATER MAIN, AND
FIRE PROTECTION DEFICIENCIES**

Approved
Date
DEC. 29, 2023

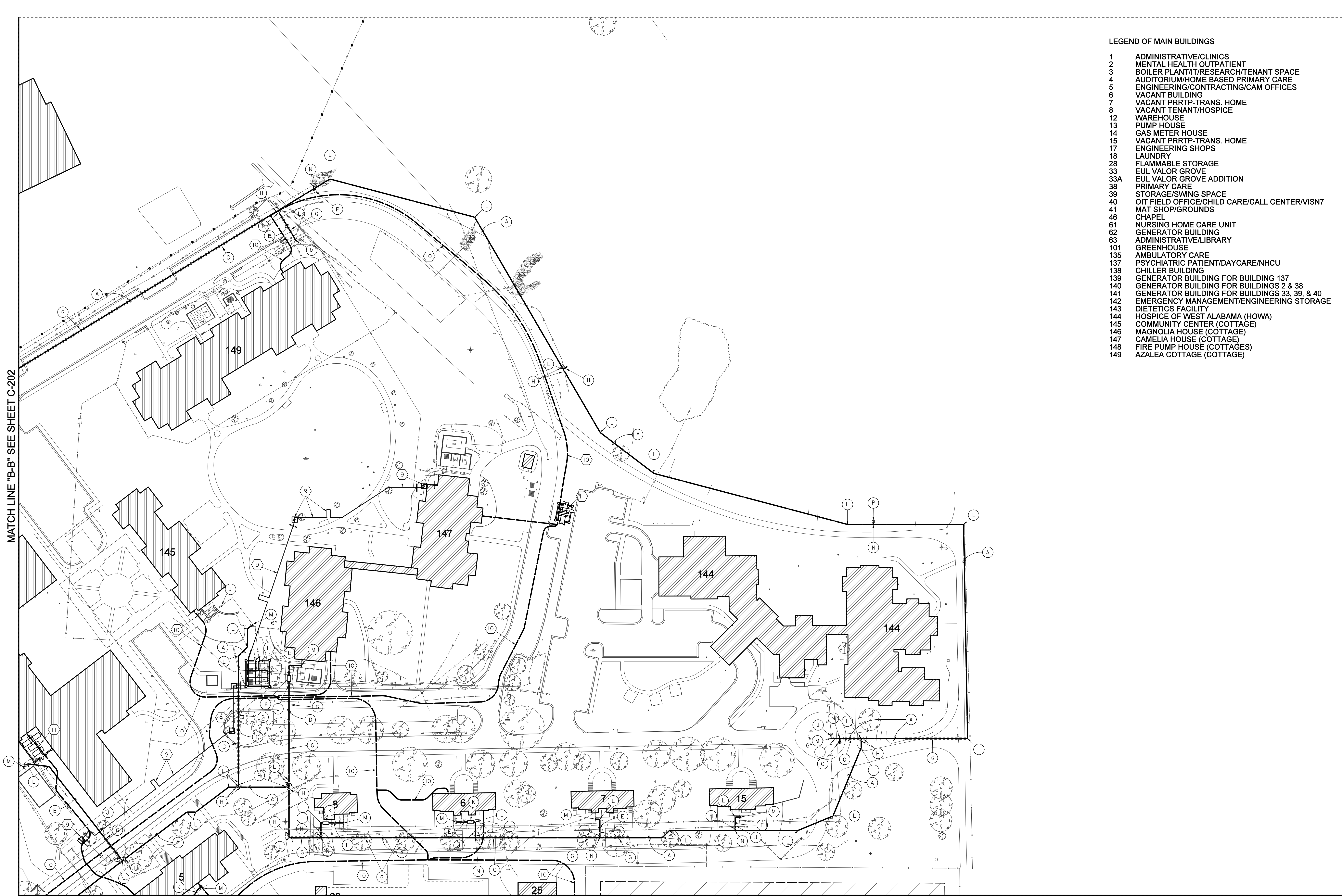
Checked
BCLC

Drawn
BCLC

VA PROJECT NUMBER
679-21-102

Building Number
N/A

Drawing Number
C-202
Dwg. 9 of 27



- LEGEND OF MAIN BUILDINGS**
- 1 ADMINISTRATIVE/CLINICS
 - 2 MENTAL HEALTH OUTPATIENT
 - 3 BOILER PLANT/RESEARCH/TENANT SPACE
 - 4 AUDITORIUM/HOME BASED PRIMARY CARE
 - 5 ENGINEERING/CONTRACTING/CAM OFFICES
 - 6 VACANT BUILDING
 - 7 VACANT PR RTP-TRANS. HOME
 - 8 VACANT TENANT/HOSPICE
 - 12 WAREHOUSE
 - 13 PUMP HOUSE
 - 14 GAS METER HOUSE
 - 15 VACANT PR RTP-TRANS. HOME
 - 17 ENGINEERING SHOPS
 - 18 LAUNDRY
 - 28 FLAMMABLE STORAGE
 - 33 EUL VALOR GROVE
 - 33A EUL VALOR GROVE ADDITION
 - 38 PRIMARY CARE
 - 39 STORAGE/SWING SPACE
 - 40 OIT FIELD OFFICE/CHILD CARE/CALL CENTER/VISN7
 - 41 MAT SHOP/GROUNDS
 - 46 CHAPEL
 - 61 NURSING HOME CARE UNIT
 - 62 GENERATOR BUILDING
 - 63 ADMINISTRATIVE/LIBRARY
 - 101 GREENHOUSE
 - 135 AMBULATORY CARE
 - 137 PSYCHIATRIC PATIENT/DAYCARE/NHCU
 - 138 CHILLER BUILDING
 - 139 GENERATOR BUILDING FOR BUILDING 137
 - 140 GENERATOR BUILDING FOR BUILDINGS 2 & 38
 - 141 GENERATOR BUILDING FOR BUILDINGS 33, 39, & 40
 - 142 EMERGENCY MANAGEMENT/ENGINEERING STORAGE
 - 143 DIETETICS FACILITY
 - 144 HOSPICE OF WEST ALABAMA (HOWA)
 - 145 COMMUNITY CENTER (COTTAGE)
 - 146 MAGNOLIA HOUSE (COTTAGE)
 - 147 CAMELIA HOUSE (COTTAGE)
 - 148 FIRE PUMP HOUSE (COTTAGES)
 - 149 AZALEA COTTAGE (COTTAGE)

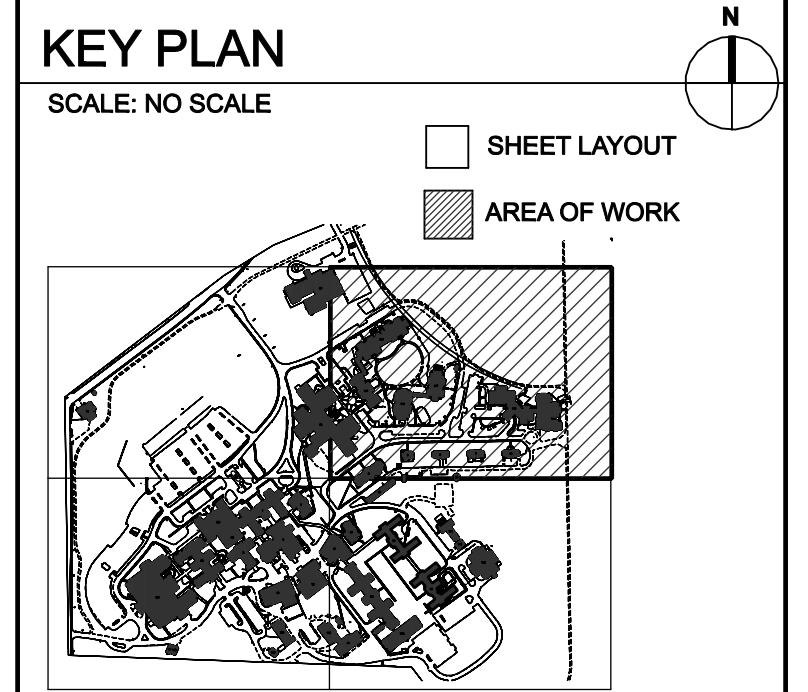
- SHEET NOTES:**
1. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA HOSPITAL ENGINEERING OFFICE.
 2. ALL ASPHALT ROADWAYS AND PARKING AREAS SHALL BE OPEN CUT OR JACK AND BORED. COORDINATE WITH CONSTRUCTION PLANS. ALL BORING SHALL BE APPROVED BY LOCAL VA.
 3. ALL CONCRETE SIDEWALKS, ROADWAYS, OR PARKING LOTS SURFACES THAT ARE OPEN CUT SHALL BE RESTORED TO ORIGINAL CONDITIONS.

- LEGEND:**
- EXISTING WATER LINE
 - EXISTING FIRE LINE
 - EXISTING FIRE HYDRANT
 - NEW WATER LINE
 - NEW WATER LINE BY JACK & BORE
 - NEW WATER VALVE
 - NEW WATER METER & BOX
 - ⊕ NEW M.J. FITTINGS
 - ⊕ NEW RPZ & ENCLOSURE
 - ⊕ NEW AIR RELEASE ASSEMBLY
 - ⊕ NEW WATER SAMPLING STATION
 - ▨ EXISTING BUILDINGS
 - ⊕ SURVEY CONTROL POINT

- WATER LINE LEGEND:**
- (A) 8" C900 WATER LINE
 - (B) 6" C900 WATER LINE
 - (C) 4" C900 WATER LINE
 - (D) 3" PE WATER LINE
 - (E) 2" PE WATER LINE
 - (F) 1" PE WATER LINE
 - (G) WATER LINE BY JACK & BORE APPROVAL BY LOCAL VA
 - (H) GATE VALVES W/ BOX & PAD
 - (J) NEW WATER METER & BOX
 - (K) BACKFLOW PREVENTER
 - (L) M.J. FITTING (TEES, BENDS & REDUCERS)
 - (M) TAPPING SLEEVE & VALVE (HOT TAP)
 - (N) SERVICE SADDLE & CORP STOP
 - (O) SAMPLING STATION
 - (P) AIR RELEASE ASSEMBLY
 - (R) CUT & CAP EXIST. SERVICE LINE CONNECT W/ COMPRESSION TYPE FITTING

- KEY NOTES:**
- 1 CONTRACTOR SHALL SAWCUT EXISTING CONCRETE SIDEWALK / PAVEMENT REMOVE & RECONSTRUCT NEW SIDEWALK OR PAVEMENT AFTER NEW WATER LINES ARE INSTALLED (MATCH EXISTING SIDEWALK OR PAVEMENT WIDTH, DEPTH & ELEVATIONS).
 - 2 CONTRACTOR SHALL SAWCUT OR BORE EXISTING ROADWAY OR PAVEMENT AS DIRECTED IN THE PLANS.
 - 3 SAWCUT ALL CONCRETE CURBS CROSSED WITH OPEN CUT, REMOVE AND RECONSTRUCT.
 - 4 REMOVE & RE-INSTALL CHAIN LINK FENCE.
 - 5 OPEN CUT EXISTING AGGREGATE SURFACE & RESTORE TO ORIGINAL CONDITION.
 - 6 OPEN CUT EXISTING LANDSCAPED AND PLAYGROUND AREAS AND RESTORE TO ORIGINAL CONDITION.
 - 7 REMOVE EXISTING TREE, REPLACE TREE WITH NEW TREE, MATCH SIZE & TYPE!
 - 8 CONTRACTOR SHALL SAWCUT ASPHALT PAVEMENT, REMOVE & RESTORE AFTER NEW WATER LINE INSTALLATION. (MATCH WIDTH, DEPTH & ELEVATIONS).
 - 9 FUTURE U.G. STEAM LINE PROJECT
 - 10 FUTURE U.G. EHRM PROJECT
 - 11 FUTURE ELECTRICAL PROJECT

NOTE:
NOT ALL NOTES USED ON EACH SHEET.



MATCH LINE "B-B" SEE SHEET C-202

MATCH LINE "C-C" SEE SHEET C-204

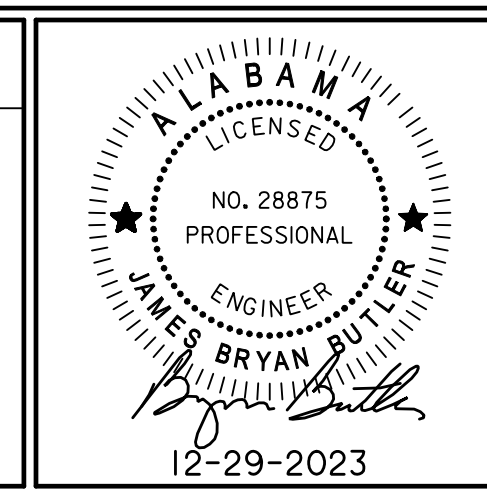
**PARTIAL SITE PLAN
WATER LINE LAYOUT**
50 25 0 50 100FT
SCALE: 1" = 50'

#	Revisions:	Date

CONSULTANTS:

APOGEE
Engineers | Architects
© COPYRIGHT Apogee Consulting Group, P.A.

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420



PROJECT MANAGER Ballard Project Number 224000

Ballard CLC, Inc.
Architects • Engineers • Surveyors
1009 Bayou Place
Alexandria, LA 71303
Tel. (318) 445-6571 Fax. (318) 448-0257

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
**PARTIAL SITE PLAN
WATER LINE LAYOUT**

Location
TUSCALOOSA VA MEDICAL CENTER
3701 LOOP ROAD
TUSCALOOSA, AL, 35404

Project Title
**CORRECT FAILING SANITARY
SEWER, WATER MAIN, AND
FIRE PROTECTION DEFICIENCIES**

Approved
Date DEC. 29, 2023 Checked BCLC Drawn BCLC

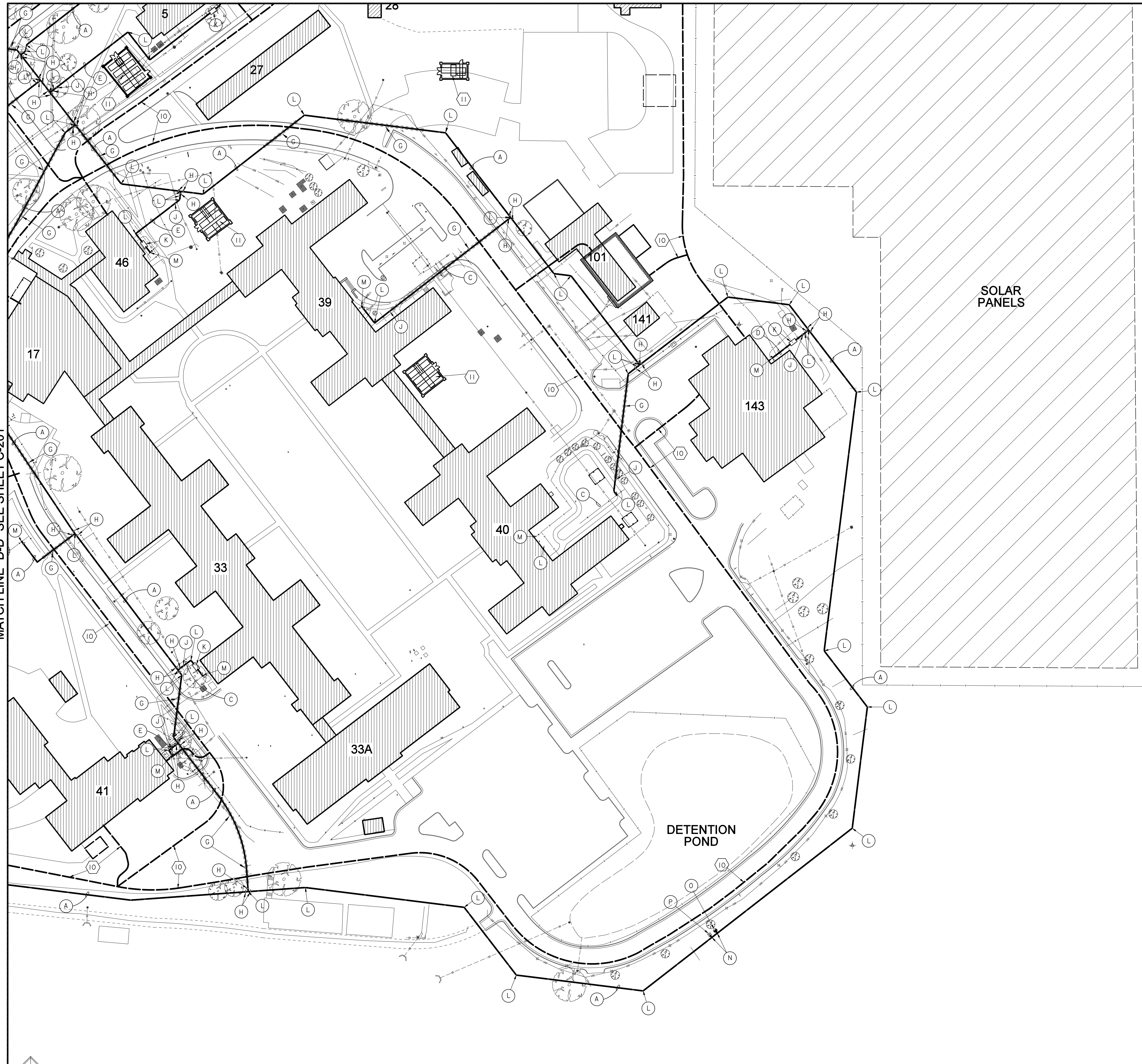
VA PROJECT NUMBER
679-21-102

Building Number
N/A

Drawing Number
C-203
Dwg. 10 of 27

MATCH LINE "C-C" SEE SHEET C-203

MATCH LINE "D-D" SEE SHEET C-201



- LEGEND OF MAIN BUILDINGS**
- 1 ADMINISTRATIVE/CLINICS
 - 2 MENTAL HEALTH OUTPATIENT
 - 3 BOILER PLANT/RESEARCH/TENANT SPACE
 - 4 AUDITORIUM/HOME BASED PRIMARY CARE
 - 5 ENGINEERING/CONTRACTING/CAM OFFICES
 - 6 VACANT BUILDING
 - 7 VACANT PR RTP-TRANS. HOME
 - 8 VACANT TENANT/HOSPICE
 - 12 WAREHOUSE
 - 13 PUMP HOUSE
 - 14 GAS METER HOUSE
 - 15 VACANT PR RTP-TRANS. HOME
 - 17 ENGINEERING SHOPS
 - 28 LAUNDRY
 - 33 FLAMMABLE STORAGE
 - 33A EUL VALOR GROVE
 - 38 EUL VALOR GROVE ADDITION
 - 39 PRIMARY CARE
 - 40 STORAGE/SWING SPACE
 - 41 OIT FIELD OFFICE/CHILD CARE/CALL CENTER/VISN7
 - 46 MAT SHOP/GROUNDS
 - 61 CHAPEL
 - 61 NURSING HOME CARE UNIT
 - 62 GENERATOR BUILDING
 - 63 ADMINISTRATIVE/LIBRARY
 - 101 GREENHOUSE
 - 135 AMBULATORY CARE
 - 137 PSYCHIATRIC PATIENT/DAYCARE/NHCU
 - 138 CHILLER BUILDING
 - 139 GENERATOR BUILDING FOR BUILDING 137
 - 140 GENERATOR BUILDING FOR BUILDINGS 2 & 38
 - 141 GENERATOR BUILDING FOR BUILDINGS 33, 39, & 40
 - 142 EMERGENCY MANAGEMENT/ENGINEERING STORAGE
 - 143 DIETETICS FACILITY
 - 144 HOSPICE OF WEST ALABAMA (HOWA)
 - 145 COMMUNITY CENTER (COTTAGE)
 - 146 MAGNOLIA HOUSE (COTTAGE)
 - 147 CAMELIA HOUSE (COTTAGE)
 - 148 FIRE PUMP HOUSE (COTTAGES)
 - 149 AZALEA COTTAGE (COTTAGE)

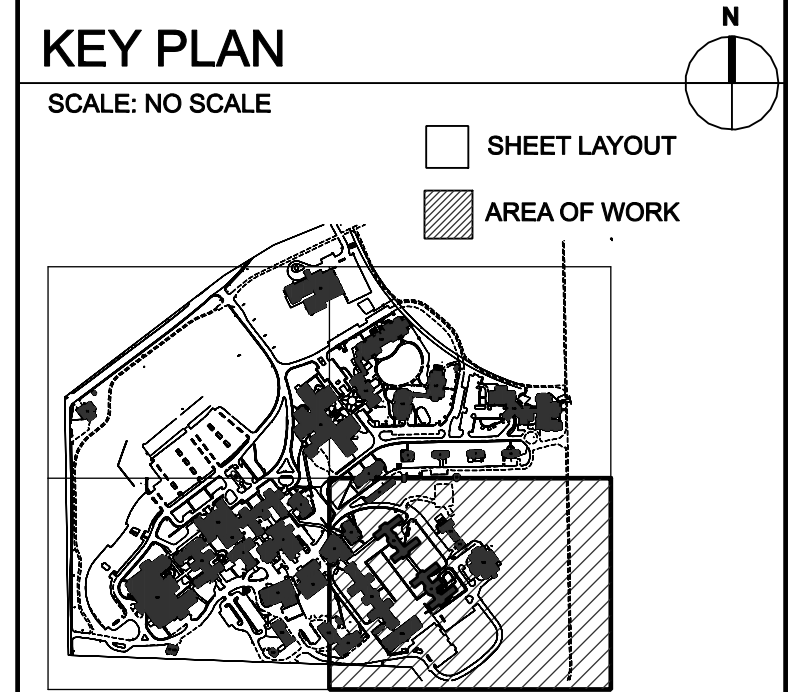
- SHEET NOTES:**
1. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA HOSPITAL ENGINEERING OFFICE.
 2. ALL ASPHALT ROADWAYS AND PARKING AREAS SHALL BE OPEN CUT OR JACK AND BORED. COORDINATE WITH CONSTRUCTION PLANS. ALL BORING SHALL BE APPROVED BY LOCAL VA.
 3. ALL CONCRETE SIDEWALKS, ROADWAYS OR PARKING LOTS SHALL BE OPEN CUT OR JACK AND BORED. ALL OPEN CUT SHALL BE RESTORED TO ORIGINAL CONDITIONS.

- LEGEND:**
- EXISTING WATER LINE
 - EXISTING FIRE LINE
 - EXISTING FIRE HYDRANT
 - NEW WATER LINE
 - NEW WATER LINE BY JACK & BORE
 - NEW WATER VALVE
 - NEW WATER METER & BOX
 - NEW M.J. FITTINGS
 - NEW RPZ & ENCLOSURE
 - NEW AIR RELEASE ASSEMBLY
 - NEW WATER SAMPLING STATION
 - ▨ EXISTING BUILDINGS
 - △ SURVEY CONTROL POINT

- WATER LINE LEGEND:**
- (A) 8" C900 WATER LINE
 - (B) 6" C900 WATER LINE
 - (C) 4" C900 WATER LINE
 - (D) 3" PE WATER LINE
 - (E) 2" PE WATER LINE
 - (F) 1" PE WATER LINE
 - (G) WATER LINE BY JACK & BORE APPROVAL BY LOCAL VA
 - (H) GATE VALVES W/ BOX & PAD
 - (J) NEW WATER METER & BOX
 - (K) BACKFLOW PREVENTER
 - (L) M.J. FITTING (TEES, BENDS & REDUCERS)
 - (M) TAPPING SLEEVE & VALVE (HOT TAP)
 - (N) SERVICE SADDLE & CORP STOP
 - (O) SAMPLING STATION
 - (P) AIR RELEASE ASSEMBLY
 - (R) CUT & CAP EXIST. SERVICE LINE CONNECT W/ COMPRESSION TYPE FITTING

- KEY NOTES:**
1. CONTRACTOR SHALL SAWCUT EXISTING CONCRETE SIDEWALK / PAVEMENT. REMOVE & RECONSTRUCT NEW SIDEWALK OR PAVEMENT AFTER NEW WATER LINES ARE INSTALLED. MATCH EXISTING SIDEWALK OR PAVEMENT WIDTH, DEPTH & ELEVATIONS.
 2. CONTRACTOR SHALL SAWCUT OR BORE EXISTING ROADWAY OR PAVEMENT AS DIRECTED IN THE PLANS.
 3. SAWCUT ALL CONCRETE CURBS CROSSED WITH OPEN CUT, REMOVE AND RECONSTRUCT.
 4. REMOVE & RE-INSTALL CHAIN LINK FENCE.
 5. OPEN CUT EXISTING AGGREGATE SURFACE & RESTORE TO ORIGINAL CONDITION.
 6. OPEN CUT EXISTING LANDSCAPED AND PLAYGROUND AREAS AND RESTORE TO ORIGINAL CONDITION.
 7. REMOVE EXISTING TREE. REPLACE TREE WITH NEW TREE. MATCH SIZE & TYPE.
 8. CONTRACTOR SHALL SAWCUT ASPHALT PAVEMENT. REMOVE & RESTORE AFTER NEW WATER LINE INSTALLATION. MATCH WIDTH, DEPTH & ELEVATIONS.
 9. FUTURE U.G. STEAM LINE PROJECT
 10. FUTURE U.G. EHRM PROJECT
 11. FUTURE ELECTRICAL PROJECT

NOTE: NOT ALL NOTES USED ON EACH SHEET.



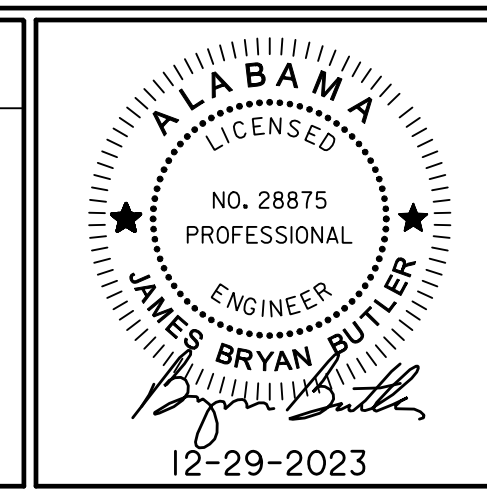
**PARTIAL SITE PLAN
WATER LINE LAYOUT**
SCALE: 1" = 50'

#	Revisions:	Date

CONSULTANTS:

APOGEE
Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420



PROJECT MANAGER

Ballard Project Number 224000

Ballard CLC, Inc.
Architects • Engineers • Surveyors
1009 Bayou Place
Alexandria, LA 71303
Tel. (318) 445-6571 Fax. (318) 448-0257

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
**PARTIAL SITE PLAN
WATER LINE LAYOUT**

Location
TUSCALOOSA VA MEDICAL CENTER
3701 LOOP ROAD
TUSCALOOSA, AL, 35404

Project Title
**CORRECT FAILING SANITARY
SEWER, WATER MAIN, AND
FIRE PROTECTION DEFICIENCIES**

Approved
Date: DEC. 29, 2023
Checked: BCLC
Drawn: BCLC

VA PROJECT NUMBER
679-21-102

Building Number
N/A

Drawing Number
C-204
Dwg. 11 of 27



SHEET NOTES:

1. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA HOSPITAL ENGINEERING OFFICE.
2. ALL ASPHALT ROADWAYS AND PARKING AREAS SHALL BE OPEN CUT OR JACK AND BORED. COORDINATE WITH CONSTRUCTION PLANS. ALL BORING SHALL BE APPROVED BY LOCAL VA.
3. ALL CONCRETE SIDEWALKS, ROADWAYS OR PARKING LOTS SURFACES SHALL BE OPEN CUT SHALL BE RESTORED TO ORIGINAL CONDITIONS.

LEGEND:

- EXISTING WATER LINE
- EXISTING FIRE LINE
- EXISTING FIRE HYDRANT
- NEW WATER LINE
- NEW WATER LINE BY JACK & BORE
- NEW WATER VALVE
- NEW WATER METER & BOX
- ⊕ NEW M.J. FITTINGS
- ⊕ NEW RPZ & ENCLOSURE
- ⊕ NEW AIR RELEASE ASSEMBLY
- ⊕ NEW WATER SAMPLING STATION
- ▭ EXISTING BUILDINGS
- △ SURVEY CONTROL POINT

WATER LINE LEGEND:

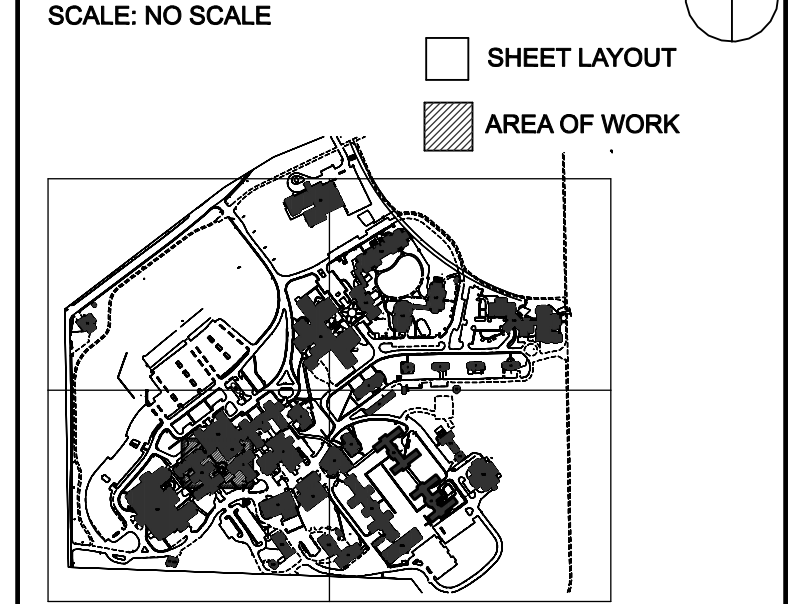
- ⊕ 8" C900 WATER LINE
- ⊕ 6" C900 WATER LINE
- ⊕ 4" C900 WATER LINE
- ⊕ 3" PE WATER LINE
- ⊕ 2" PE WATER LINE
- ⊕ 1" PE WATER LINE
- ⊕ WATER LINE BY JACK & BORE APPROVAL BY LOCAL VA
- ⊕ GATE VALVES W/ BOX & PAD
- ⊕ NEW WATER METER & BOX
- ⊕ BACKFLOW PREVENTER
- ⊕ M.J. FITTING (TEES, BENDS & REDUCERS)
- ⊕ TAPPING SLEEVE & VALVE (HOT TAP)
- ⊕ SERVICE SADDLE & CORP STOP
- ⊕ SAMPLING STATION
- ⊕ AIR RELEASE ASSEMBLY
- ⊕ CUT & CAP EXIST. SERVICE LINE CONNECT W/ COMPRESSION TYPE FITTING

KEY NOTES:

1. CONTRACTOR SHALL SAWCUT EXISTING CONCRETE SIDEWALK / PAVEMENT, REMOVE & RECONSTRUCT NEW SIDEWALK OR PAVEMENT AFTER NEW WATER LINES ARE INSTALLED. (MATCH EXISTING SIDEWALK OR PAVEMENT WIDTH, DEPTH & ELEVATIONS).
2. CONTRACTOR SHALL SAWCUT OR BORE EXISTING ROADWAY OR PAVEMENT AS DIRECTED IN THE PLANS.
3. SAWCUT ALL CONCRETE CURBS CROSSED WITH OPEN CUT, REMOVE AND RECONSTRUCT.
4. REMOVE & RE-INSTALL CHAIN LINK FENCE.
5. OPEN CUT EXISTING AGGREGATE SURFACE & RESTORE TO ORIGINAL CONDITION.
6. OPEN CUT EXISTING LANDSCAPED AND PLAYGROUND AREAS AND RESTORE TO ORIGINAL CONDITION.
7. REMOVE EXISTING TREE, REPLACE TREE WITH NEW TREE, (MATCH SIZE & TYPE).
8. CONTRACTOR SHALL SAWCUT ASPHALT PAVEMENT, REMOVE & RESTORE AFTER NEW WATER LINE INSTALLATION. (MATCH WIDTH, DEPTH & ELEVATIONS).
9. FUTURE U.G. STEAM LINE PROJECT
10. FUTURE U.G. EHRM PROJECT
11. FUTURE ELECTRICAL PROJECT

NOTE: NOT ALL NOTES USED ON EACH SHEET.

KEY PLAN



**PARTIAL ENLARGED PLAN
WATER LINE LAYOUT**

10 5 0 10 20FT
SCALE: 1" = 10'

#	Revisions:	Date

CONSULTANTS:

APOGEE
Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

ALABAMA
LICENSED
NO. 28875
PROFESSIONAL
ENGINEER
BRYAN
MULLIN
12-29-2023

U.S. DEPARTMENT OF VETERANS AFFAIRS

PROJECT MANAGER

Ballard Project Number
224000

Ballard CLC, Inc.
Architects • Engineers • Surveyors
1009 Bayou Place
Alexandria, LA 71303
Tel. (318) 445-6571 Fax. (318) 448-0257

Office of
Construction
and Facilities
Management

VA U.S. Department
of Veterans Affairs

Drawing Title
**PARTIAL ENLARGED PLAN
WATER LINE LAYOUT**

Location
TUSCALOOSA VA MEDICAL CENTER
3701 LOOP ROAD
TUSCALOOSA, AL, 35404

Project Title
**CORRECT FAILING SANITARY
SEWER, WATER MAIN, AND
FIRE PROTECTION DEFICIENCIES**

Approved
Date
DEC. 29, 2023

Checked
BCLC

Drawn
BCLC

VA PROJECT NUMBER
679-21-102

Building Number
N/A

Drawing Number
C-205
Dwg. 12 of 27



SHEET NOTES:

1. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA HOSPITAL ENGINEERING OFFICE.
2. ALL ASPHALT ROADWAYS AND PARKING AREAS SHALL BE OPEN CUT OR JACK AND BORED. COORDINATE WITH CONSTRUCTION PLANS. ALL BORING SHALL BE APPROVED BY LOCAL VA.
3. ALL CONCRETE SIDEWALKS, ROADWAYS, OR PARKING LOTS SURFACES THAT ARE OPEN CUT SHALL BE RESTORED TO ORIGINAL CONDITIONS.

LEGEND:

- EXISTING WATER LINE
- EXISTING FIRE LINE
- EXISTING FIRE HYDRANT
- NEW WATER LINE
- NEW WATER LINE BY JACK & BORE
- NEW WATER VALVE
- NEW WATER METER & BOX
- ⊕ NEW M.J. FITTINGS
- ⊕ NEW RPZ & ENCLOSURE
- ⊕ NEW AIR RELEASE ASSEMBLY
- ⊕ NEW WATER SAMPLING STATION
- ▨ EXISTING BUILDINGS
- △ SURVEY CONTROL POINT

WATER LINE LEGEND:

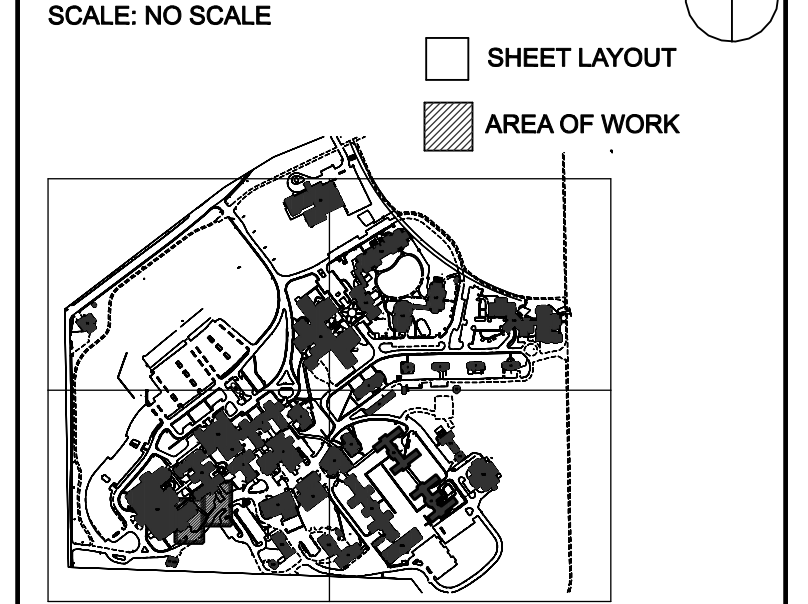
- ⊕ 8" C900 WATER LINE
- ⊕ 6" C900 WATER LINE
- ⊕ 4" C900 WATER LINE
- ⊕ 3" PE WATER LINE
- ⊕ 2" PE WATER LINE
- ⊕ 1" PE WATER LINE
- ⊕ WATER LINE BY JACK & BORE APPROVAL BY LOCAL VA
- ⊕ GATE VALVES W/ BOX & PAD
- ⊕ NEW WATER METER & BOX
- ⊕ BACKFLOW PREVENTER
- ⊕ M.J. FITTING (TEES, BENDS & REDUCERS)
- ⊕ TAPPING SLEEVE & VALVE (HOT TAP)
- ⊕ SERVICE SADDLE & CORP STOP
- ⊕ SAMPLING STATION
- ⊕ AIR RELEASE ASSEMBLY
- ⊕ CUT & CAP EXIST. SERVICE LINE CONNECT W/ COMPRESSION TYPE FITTING

KEY NOTES:

1. CONTRACTOR SHALL SAWCUT EXISTING CONCRETE SIDEWALK / PAVEMENT, REMOVE & RECONSTRUCT NEW SIDEWALK OR PAVEMENT AFTER NEW WATER LINES ARE INSTALLED. MATCH EXISTING SIDEWALK OR PAVEMENT WIDTH, DEPTH & ELEVATIONS.
2. CONTRACTOR SHALL SAWCUT OR BORE EXISTING ROADWAY OR PAVEMENT AS DIRECTED IN THE PLANS.
3. SAWCUT ALL CONCRETE CURBS CROSSED WITH OPEN CUT, REMOVE AND RECONSTRUCT.
4. REMOVE & RE-INSTALL CHAIN LINK FENCE.
5. OPEN CUT EXISTING AGGREGATE SURFACE & RESTORE TO ORIGINAL CONDITION.
6. OPEN CUT EXISTING LANDSCAPED AND PLAYGROUND AREAS AND RESTORE TO ORIGINAL CONDITION.
7. REMOVE EXISTING TREE, REPLACE TREE WITH NEW TREE, MATCH SIZE & TYPE!
8. CONTRACTOR SHALL SAWCUT ASPHALT PAVEMENT, REMOVE & RESTORE AFTER NEW WATER LINE INSTALLATION. (MATCH WIDTH, DEPTH & ELEVATIONS).
9. FUTURE U.G. STEAM LINE PROJECT
10. FUTURE U.G. EHRM PROJECT
11. FUTURE ELECTRICAL PROJECT

NOTE: NOT ALL NOTES USED ON EACH SHEET.

KEY PLAN



PARTIAL ENLARGED PLAN WATER LINE LAYOUT

10 5 0 10 20FT
SCALE: 1" = 10'

CONSULTANTS:

APOGEE
Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

ALABAMA
LICENSED PROFESSIONAL ENGINEER
BRYAN W. BRYAN
12-29-2023

U.S. DEPARTMENT OF VETERANS AFFAIRS

PROJECT MANAGER

Ballard Project Number 224000

Ballard CLC, Inc.
Architects • Engineers • Surveyors
1009 Bayou Place
Alexandria, LA 71303
Tel. (318) 445-6571 Fax. (318) 448-0257

Office of Construction and Facilities Management

U.S. DEPARTMENT OF VETERANS AFFAIRS

Drawing Title
PARTIAL ENLARGED PLAN WATER LINE LAYOUT

Location
TUSCALOOSA VA MEDICAL CENTER
3701 LOOP ROAD
TUSCALOOSA, AL, 35404

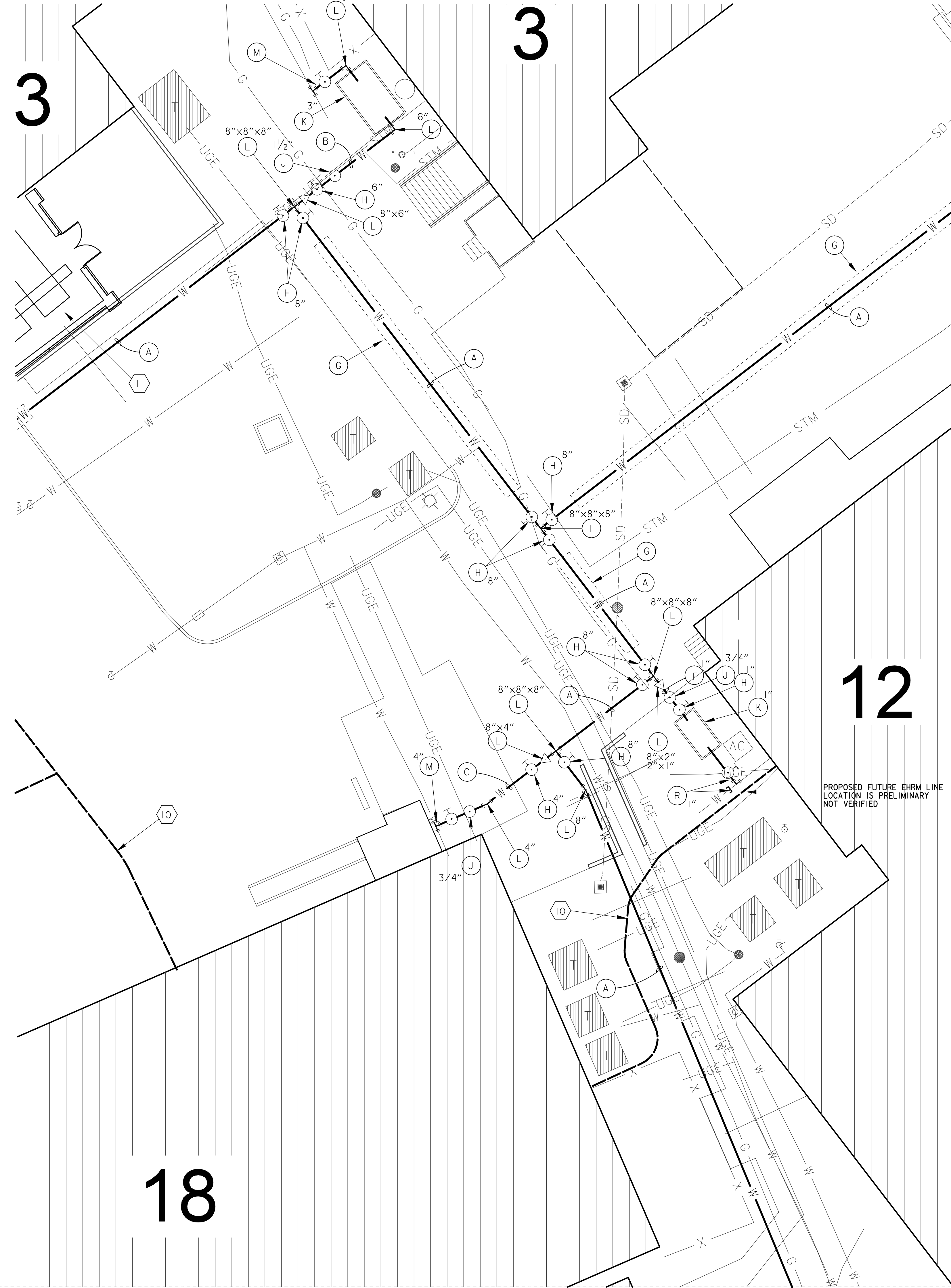
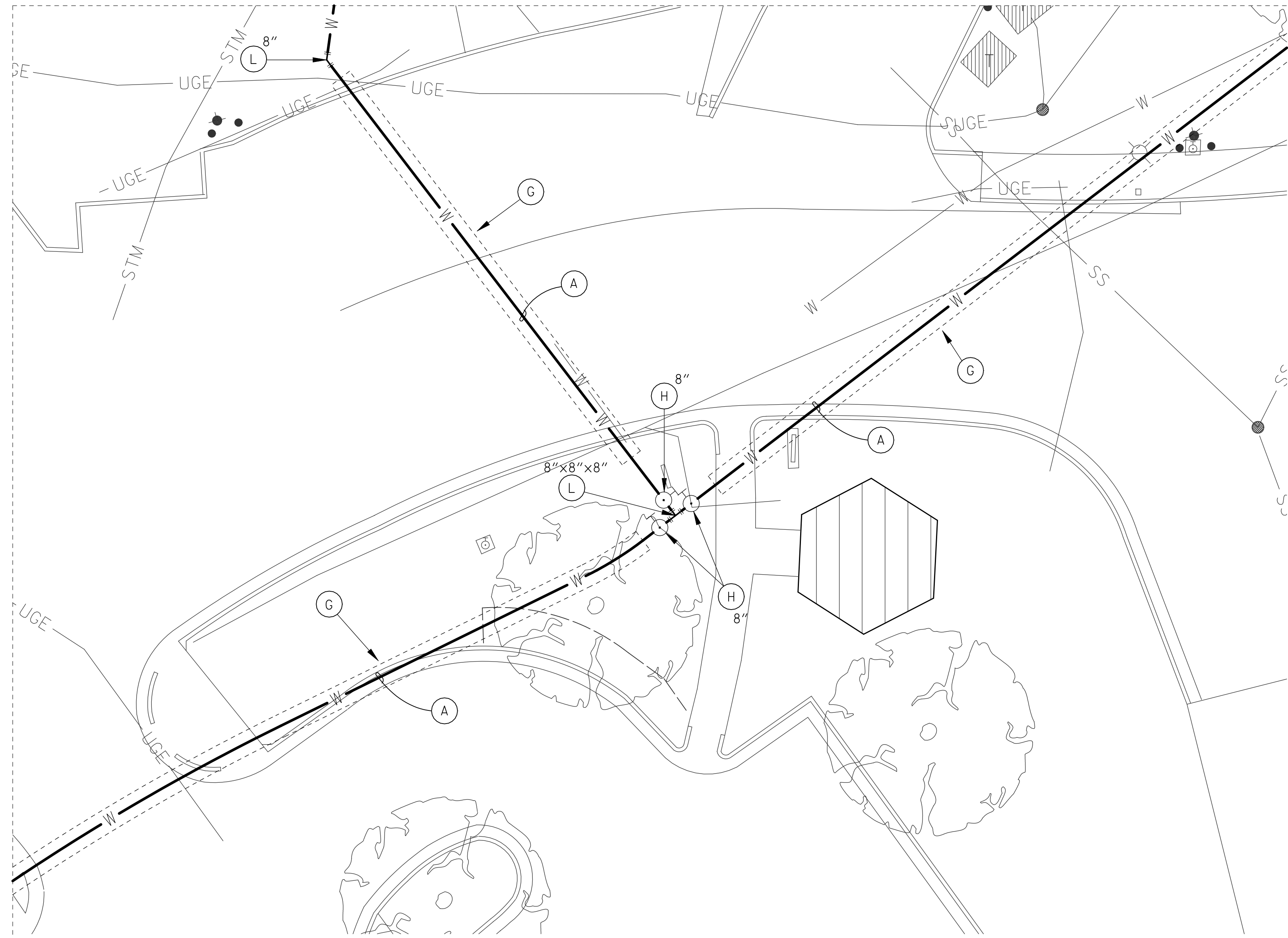
Project Title
CORRECT FAILING SANITARY SEWER, WATER MAIN, AND FIRE PROTECTION DEFICIENCIES

Approved
Date: DEC. 29, 2023
Checked: BCLC
Drawn: BCLC

VA PROJECT NUMBER
679-21-102

Building Number
N/A

Drawing Number
C-206
Dwg. 13 of 27



SHEET NOTES:

1. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA HOSPITAL ENGINEERING OFFICE.
2. ALL ASPHALT ROADWAYS AND PARKING AREAS SHALL BE OPEN CUT OR JACK AND BORED. COORDINATE WITH CONSTRUCTION PLANS. ALL BORING SHALL BE APPROVED BY LOCAL VA.
3. ALL CONCRETE SIDEWALKS, ROADWAYS, OR PARKING LOTS SURFACES SHALL BE OPEN CUT SHALL BE RESTORED TO ORIGINAL CONDITIONS.

LEGEND:

- EXISTING WATER LINE
- EXISTING FIRE LINE
- EXISTING FIRE HYDRANT
- NEW WATER LINE
- NEW WATER LINE BY JACK & BORE
- NEW WATER VALVE
- NEW WATER METER & BOX
- ⊕ NEW M.J. FITTINGS
- ⊞ NEW RPZ & ENCLOSURE
- ⊟ NEW AIR RELEASE ASSEMBLY
- ⊠ NEW WATER SAMPLING STATION
- ▨ EXISTING BUILDINGS
- ⊙ SURVEY CONTROL POINT

WATER LINE LEGEND:

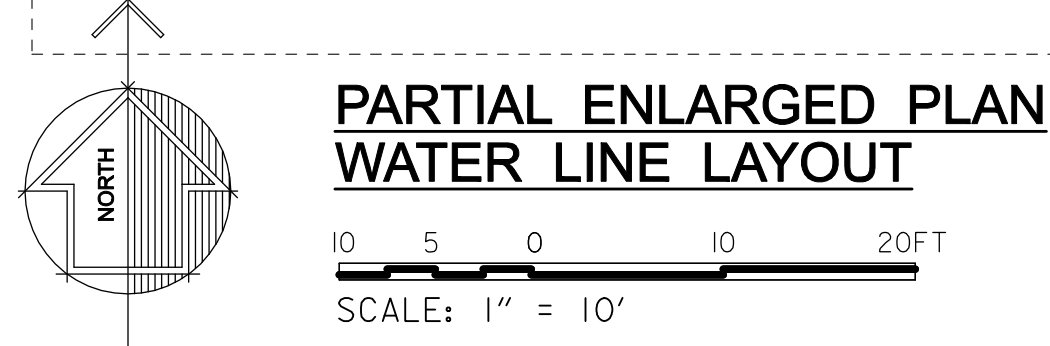
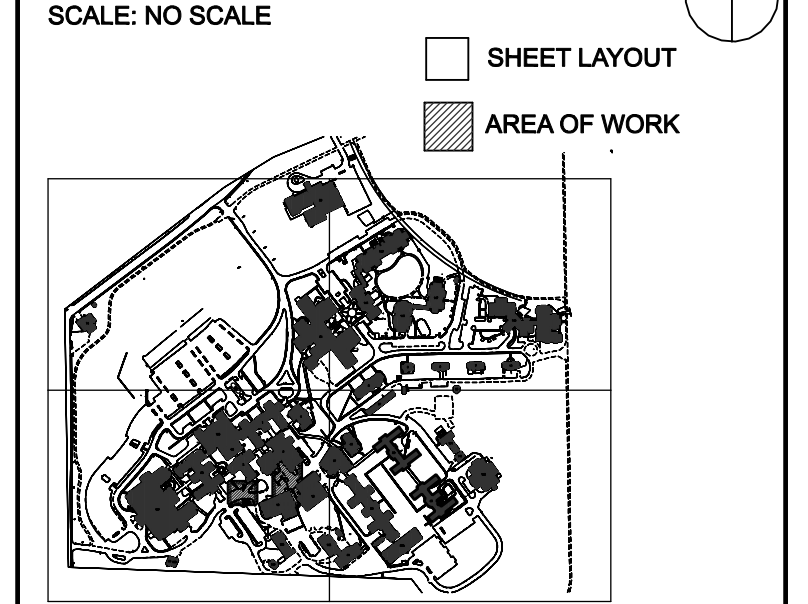
- Ⓐ 8" C900 WATER LINE
- Ⓑ 6" C900 WATER LINE
- Ⓒ 4" C900 WATER LINE
- Ⓓ 3" PE WATER LINE
- Ⓔ 2" PE WATER LINE
- Ⓕ 1" PE WATER LINE
- Ⓖ WATER LINE BY JACK & BORE APPROVAL BY LOCAL VA
- Ⓗ GATE VALVES W/ BOX & PAD
- Ⓙ NEW WATER METER & BOX
- Ⓚ BACKFLOW PREVENTER
- Ⓛ M.J. FITTING (TEES, BENDS & REDUCERS)
- Ⓜ TAPPING SLEEVE & VALVE (HOT TAP)
- Ⓝ SERVICE SADDLE & CORP STOP
- Ⓞ SAMPLING STATION
- Ⓟ AIR RELEASE ASSEMBLY
- Ⓡ CUT & CAP EXIST. SERVICE LINE CONNECT W/ COMPRESSION TYPE FITTING

KEY NOTES:

1. CONTRACTOR SHALL SAWCUT EXISTING CONCRETE SIDEWALK / PAVEMENT, REMOVE & RECONSTRUCT NEW SIDEWALK OR PAVEMENT AFTER NEW WATER LINES ARE INSTALLED. MATCH EXISTING SIDEWALK OR PAVEMENT WIDTH, DEPTH & ELEVATIONS.
2. CONTRACTOR SHALL SAWCUT OR BORE EXISTING ROADWAY OR PAVEMENT AS DIRECTED IN THE PLANS.
3. SAWCUT ALL CONCRETE CURBS CROSSED WITH OPEN CUT, REMOVE AND RECONSTRUCT.
4. REMOVE & RE-INSTALL CHAIN LINK FENCE.
5. OPEN CUT EXISTING AGGREGATE SURFACE & RESTORE TO ORIGINAL CONDITION.
6. OPEN CUT EXISTING LANDSCAPED AND PLAYGROUND AREAS AND RESTORE TO ORIGINAL CONDITION.
7. REMOVE EXISTING TREE, REPLACE TREE WITH NEW TREE, MATCH SIZE & TYPE.
8. CONTRACTOR SHALL SAWCUT ASPHALT PAVEMENT, REMOVE & RESTORE AFTER NEW WATER LINE INSTALLATION. MATCH WIDTH, DEPTH & ELEVATIONS.
9. FUTURE U.G. STEAM LINE PROJECT
10. FUTURE U.G. EHRM PROJECT
11. FUTURE ELECTRICAL PROJECT

NOTE:
NOT ALL NOTES USED ON EACH SHEET.

KEY PLAN

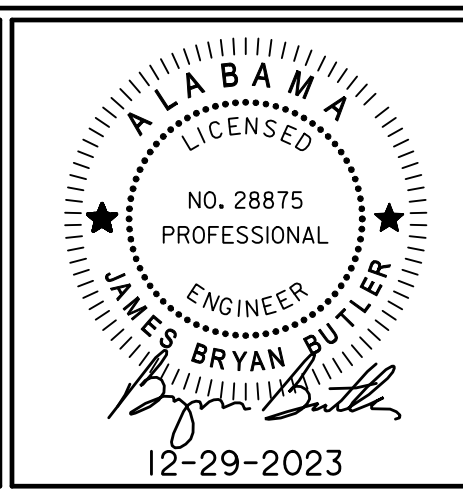


#	Revisions:	Date

CONSULTANTS:

APOGEE
Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420



PROJECT MANAGER

Ballard Project Number 224000

Ballard CLC, Inc.
Architects • Engineers • Surveyors
1009 Bayou Place
Alexandria, LA 71303
Tel. (318) 445-6571 Fax. (318) 448-0257

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
**PARTIAL ENLARGED PLAN
WATER LINE LAYOUT**

Location
TUSCALOOSA VA MEDICAL CENTER
3701 LOOP ROAD
TUSCALOOSA, AL, 35404

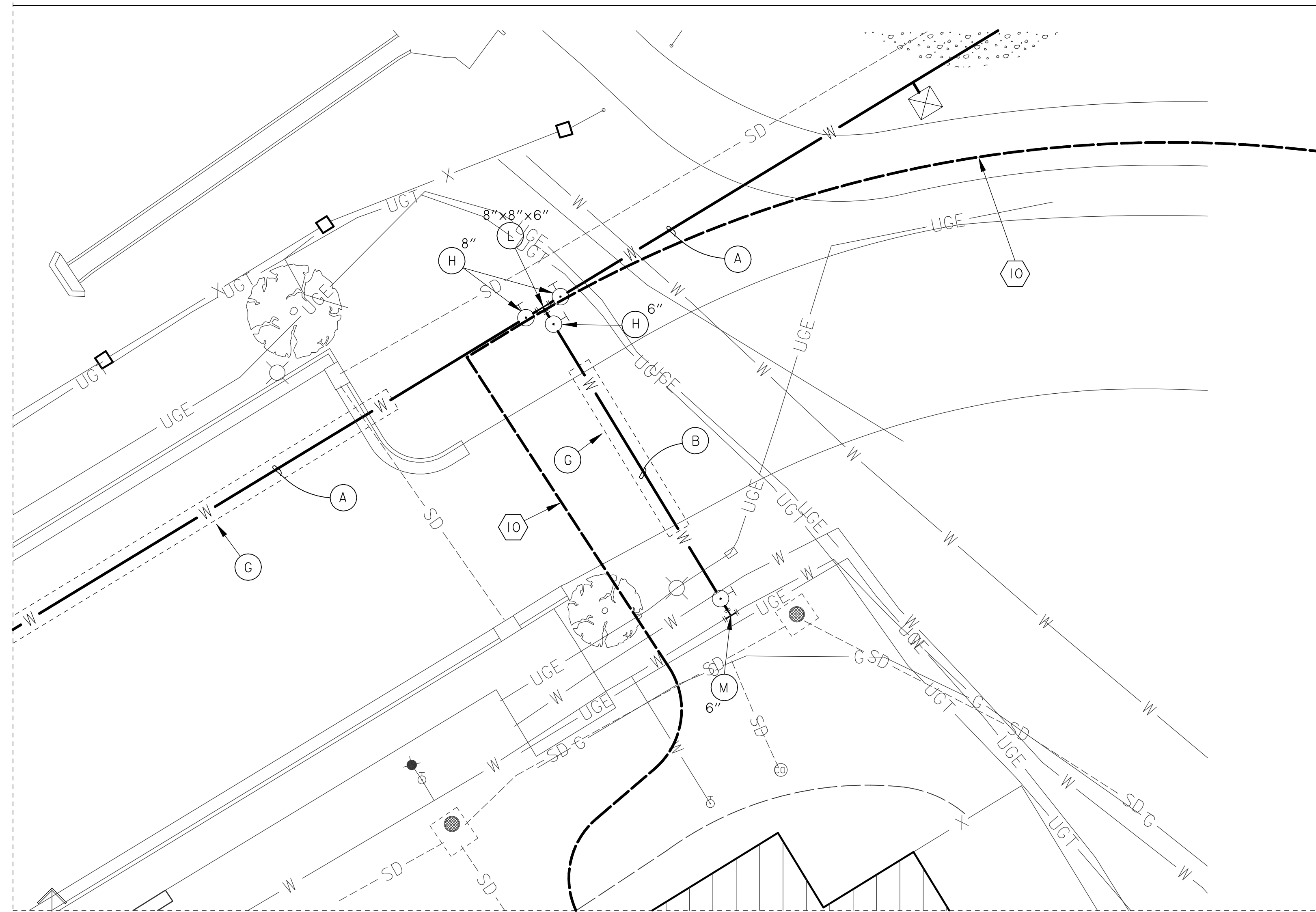
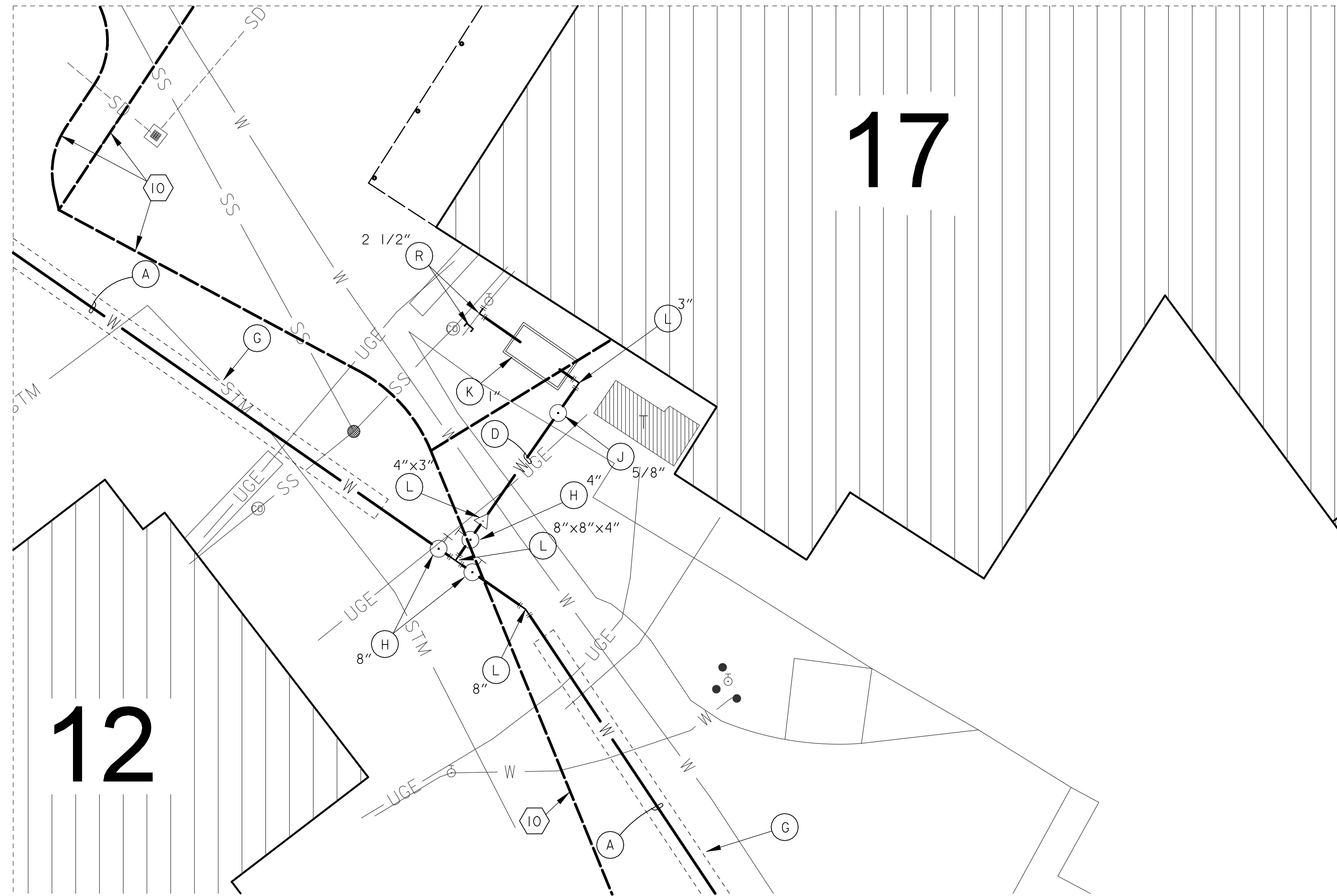
Project Title
**CORRECT FAILING SANITARY
SEWER, WATER MAIN, AND
FIRE PROTECTION DEFICIENCIES**

Approved
Date: DEC. 29, 2023
Checked: BCLC
Drawn: BCLC

VA PROJECT NUMBER
679-21-102

Building Number
N/A

Drawing Number
C-207
Dwg. 14 of 27



SHEET NOTES:

1. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA HOSPITAL ENGINEERING OFFICE.
2. ALL ASPHALT ROADWAYS AND PARKING AREAS SHALL BE OPEN CUT OR JACK AND BORED. COORDINATE WITH CONSTRUCTION PLANS. ALL BORING SHALL BE APPROVED BY LOCAL VA.
3. ALL CONCRETE SIDEWALKS, ROADWAYS, OR PARKING LOTS SURFACES SHALL BE OPEN CUT SHALL BE RESTORED TO ORIGINAL CONDITIONS.

LEGEND:

- EXISTING WATER LINE
- EXISTING FIRE LINE
- EXISTING FIRE HYDRANT
- NEW WATER LINE
- NEW WATER LINE BY JACK & BORE
- NEW WATER VALVE
- NEW WATER METER & BOX
- ⊕ NEW M.J. FITTINGS
- ⊕ NEW RPZ & ENCLOSURE
- ⊕ NEW AIR RELEASE ASSEMBLY
- ⊕ NEW WATER SAMPLING STATION
- ▨ EXISTING BUILDINGS
- △ SURVEY CONTROL POINT

WATER LINE LEGEND:

- ⊕ 8" C900 WATER LINE
- ⊕ 6" C900 WATER LINE
- ⊕ 4" C900 WATER LINE
- ⊕ 3" PE WATER LINE
- ⊕ 2" PE WATER LINE
- ⊕ 1" PE WATER LINE
- ⊕ WATER LINE BY JACK & BORE APPROVAL BY LOCAL VA
- ⊕ GATE VALVES W/ BOX & PAD
- ⊕ NEW WATER METER & BOX
- ⊕ BACKFLOW PREVENTER
- ⊕ M.J. FITTING (TEES, BENDS & REDUCERS)
- ⊕ TAPPING SLEEVE & VALVE (HOT TAP)
- ⊕ SERVICE SADDLE & CORP STOP
- ⊕ SAMPLING STATION
- ⊕ AIR RELEASE ASSEMBLY
- ⊕ CUT & CAP EXIST. SERVICE LINE CONNECT W/ COMPRESSION TYPE FITTING

KEY NOTES:

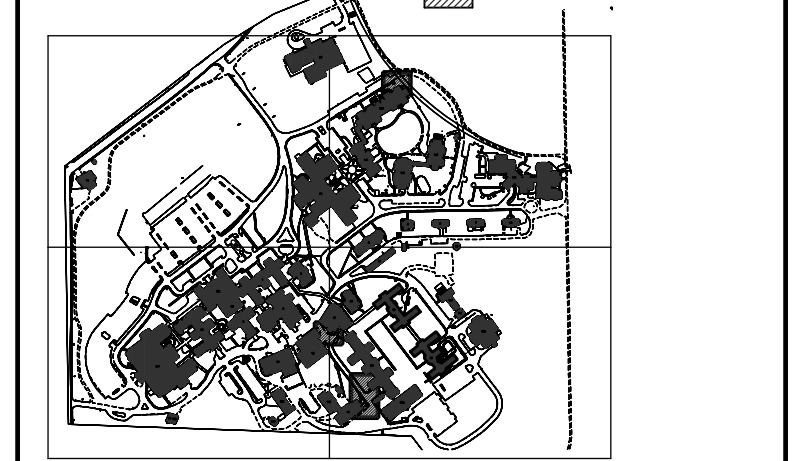
1. CONTRACTOR SHALL SAWCUT EXISTING CONCRETE SIDEWALK / PAVEMENT REMOVE & RECONSTRUCT NEW SIDEWALK OR PAVEMENT AFTER NEW WATER LINES ARE INSTALLED. MATCH EXISTING SIDEWALK OR PAVEMENT WIDTH, DEPTH & ELEVATIONS.
2. CONTRACTOR SHALL SAWCUT OR BORE EXISTING ROADWAY OR PAVEMENT AS DIRECTED IN THE PLANS.
3. SAWCUT ALL CONCRETE CURBS CROSSED WITH OPEN CUT, REMOVE AND RECONSTRUCT.
4. REMOVE & RE-INSTALL CHAIN LINK FENCE.
5. OPEN CUT EXISTING AGGREGATE SURFACE & RESTORE TO ORIGINAL CONDITION.
6. OPEN CUT EXISTING LANDSCAPED AND PLAYGROUND AREAS AND RESTORE TO ORIGINAL CONDITION.
7. REMOVE EXISTING TREE, REPLACE TREE WITH NEW TREE, MATCH SIZE & TYPE!
8. CONTRACTOR SHALL SAWCUT ASPHALT PAVEMENT, REMOVE & RESTORE AFTER NEW WATER LINE INSTALLATION. MATCH WIDTH, DEPTH & ELEVATIONS.
9. FUTURE U.G. STEAM LINE PROJECT
10. FUTURE U.G. EHRM PROJECT
11. FUTURE ELECTRICAL PROJECT

NOTE: NOT ALL NOTES USED ON EACH SHEET.

KEY PLAN

SCALE: NO SCALE

□ SHEET LAYOUT
▨ AREA OF WORK



PARTIAL ENLARGED PLAN WATER LINE LAYOUT
SCALE: 1" = 10'

149

41

17

12

33

#	Revisions:	Date

CONSULTANTS:

APOGEE
Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

ALABAMA
LICENSED
NO. 28875
PROFESSIONAL
ENGINEER
BRYAN
BRYAN
12-29-2023

U.S. Department of Veterans Affairs

PROJECT MANAGER

Ballard Project Number 224000

Ballard CLC, Inc.
Architects • Engineers • Surveyors
1009 Bayou Place
Alexandria, LA 71303
Tel. (318) 445-6571 Fax. (318) 448-0257

Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title
PARTIAL ENLARGED PLAN WATER LINE LAYOUT

Location
TUSCALOOSA VA MEDICAL CENTER
3701 LOOP ROAD
TUSCALOOSA, AL, 35404

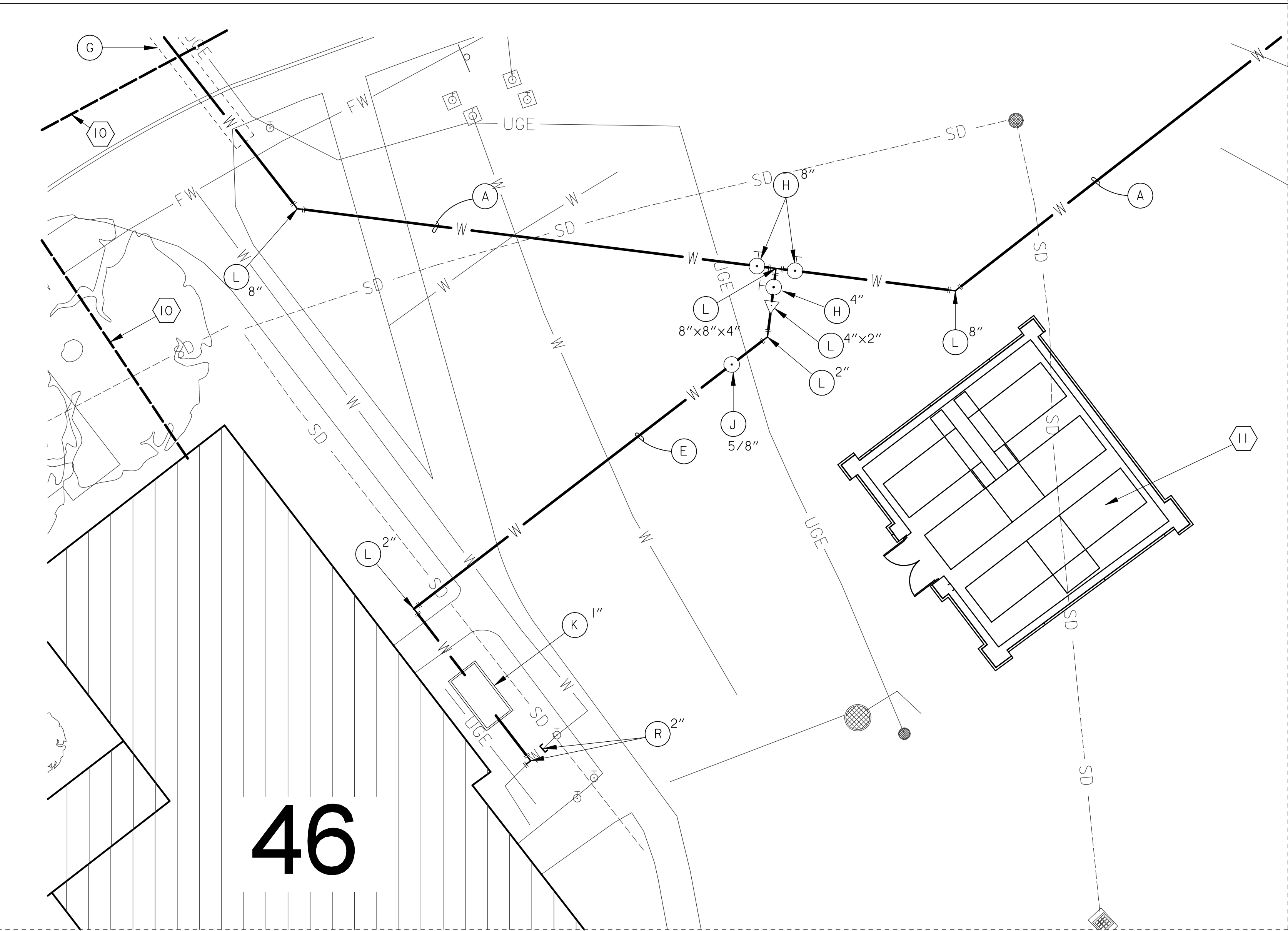
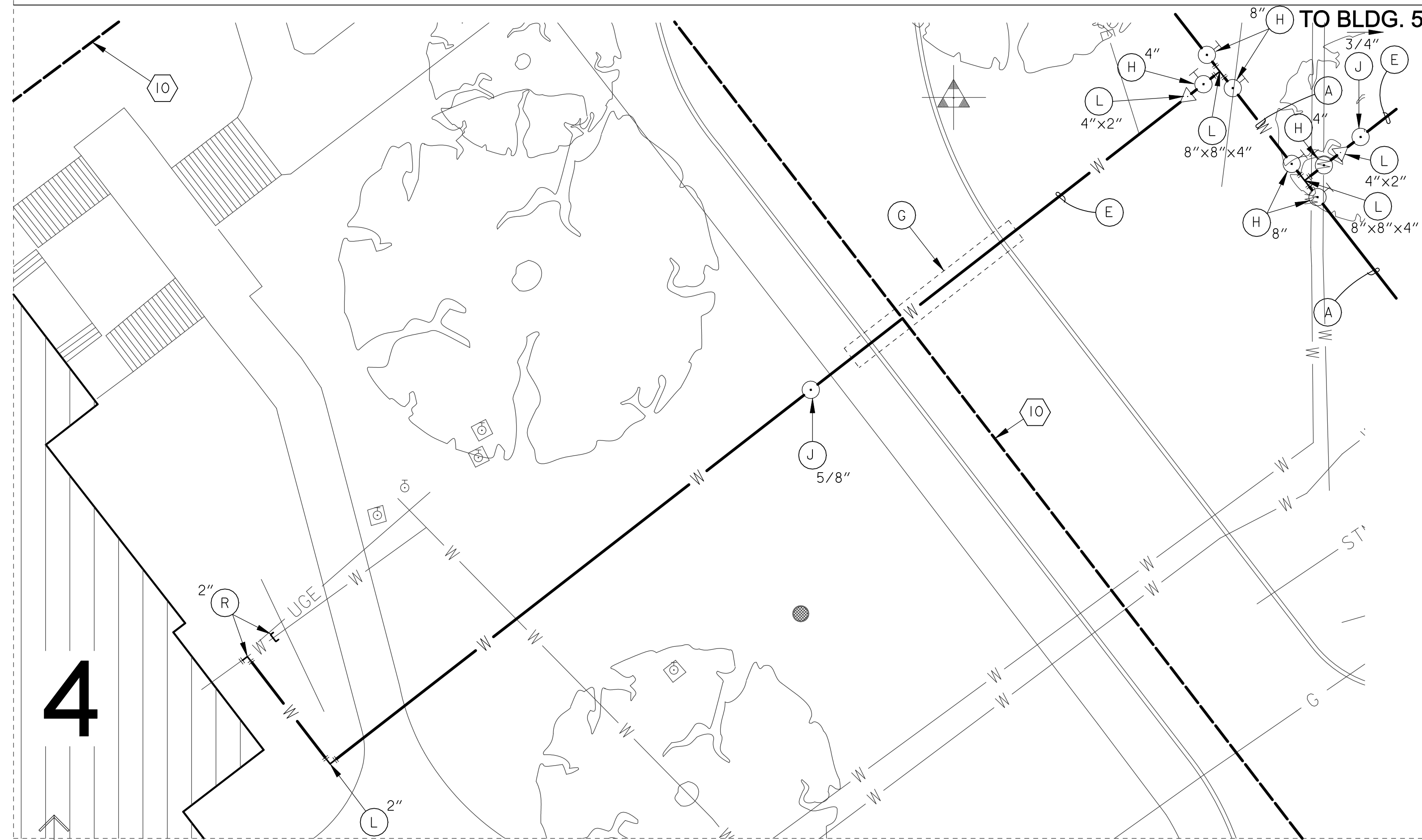
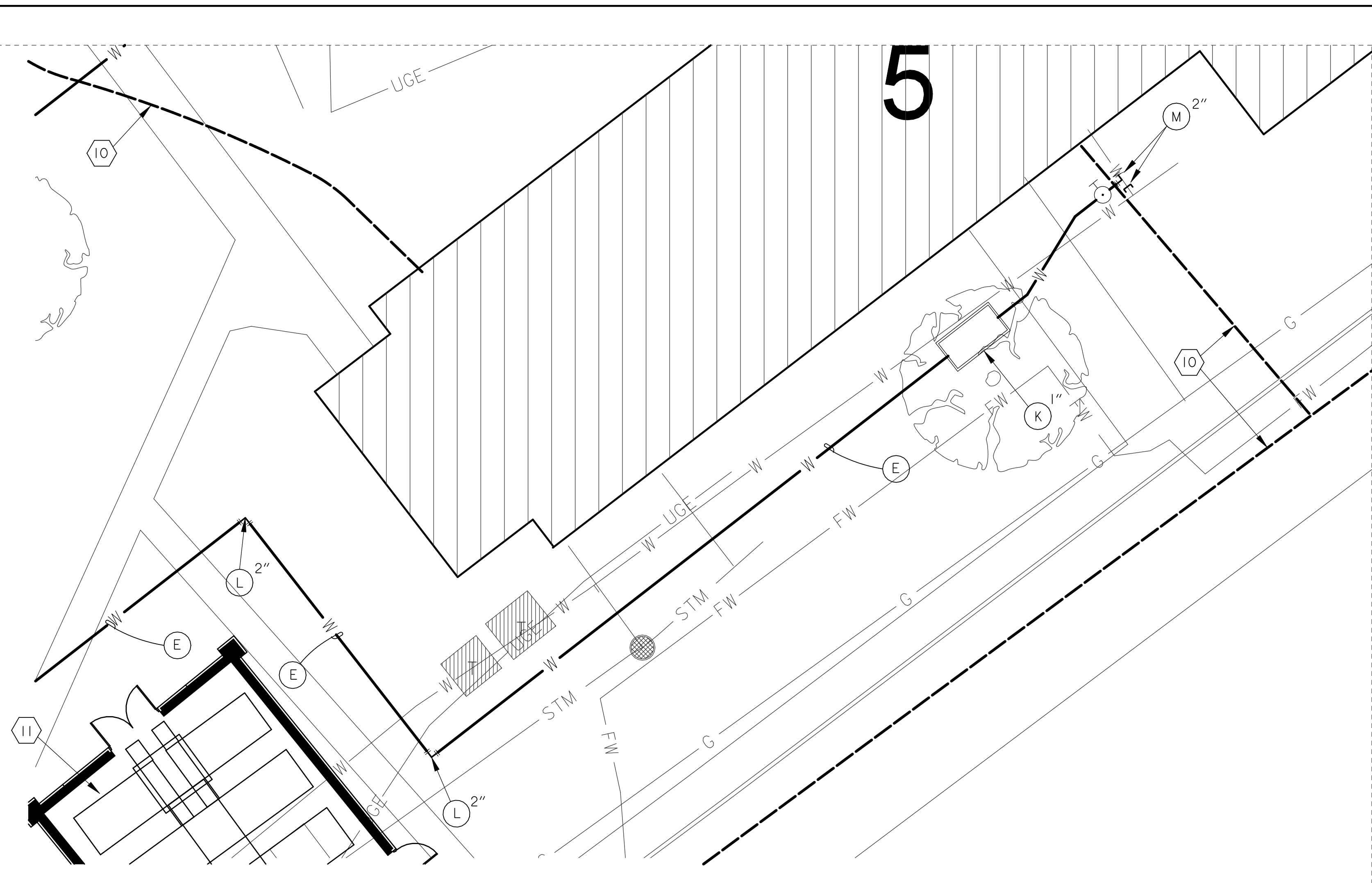
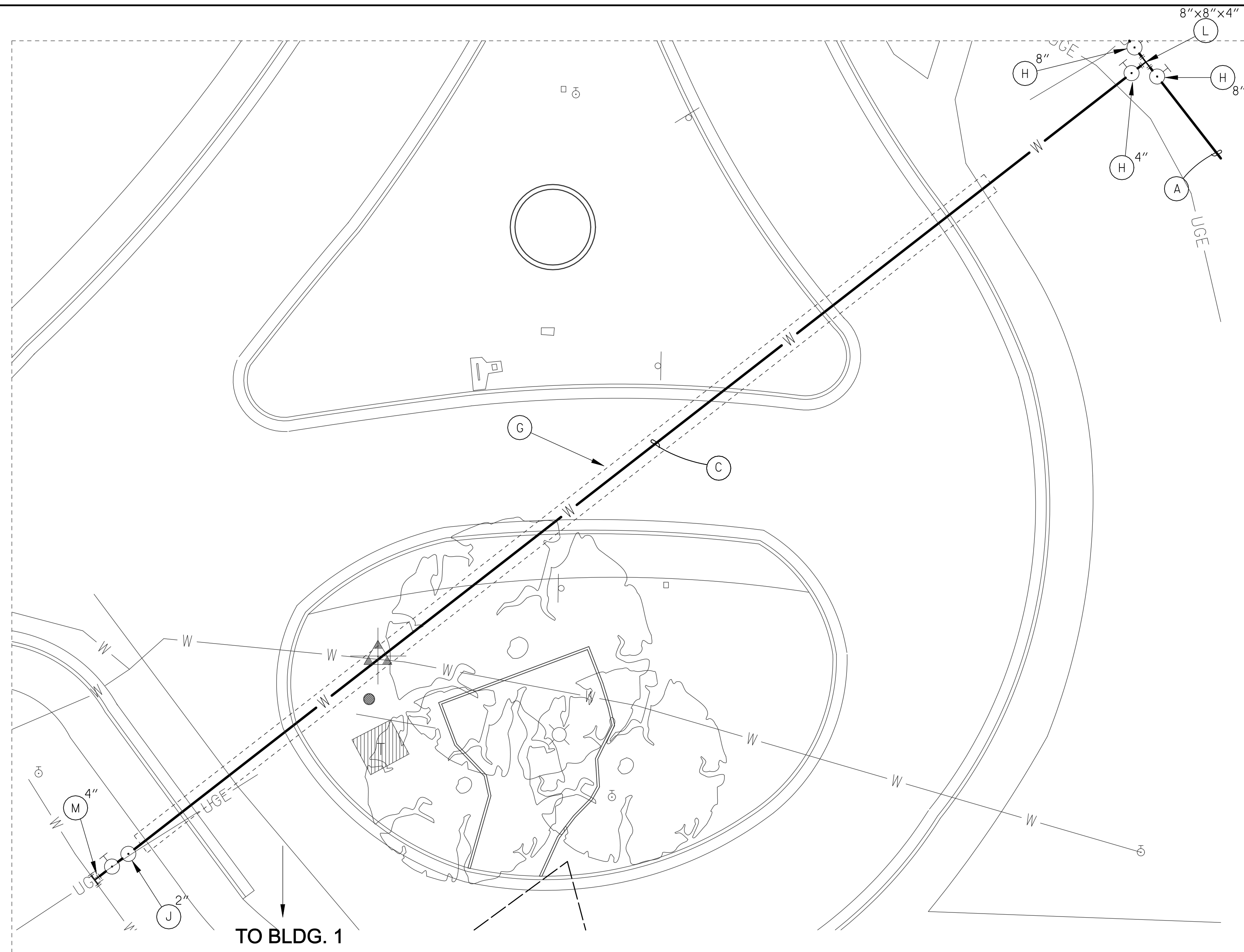
Project Title
CORRECT FAILING SANITARY SEWER, WATER MAIN, AND FIRE PROTECTION DEFICIENCIES

Approved
Date: DEC. 29, 2023
Checked: BCLC
Drawn: BCLC

VA PROJECT NUMBER
679-21-102

Building Number
N/A

Drawing Number
C-208
Dwg. 15 of 27



SHEET NOTES:

1. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA HOSPITAL ENGINEERING OFFICE.
2. ALL ASPHALT ROADWAYS AND PARKING AREAS SHALL BE OPEN CUT OR JACK AND BORED. COORDINATE WITH CONSTRUCTION PLANS. ALL BORING SHALL BE APPROVED BY LOCAL VA.
3. ALL CONCRETE SIDEWALKS, ROADWAYS OR PARKING LOTS SURFACES SHALL HAVE OPEN CUT SHALL BE RESTORED TO ORIGINAL CONDITIONS.

LEGEND:

- EXISTING WATER LINE
- EXISTING FIRE LINE
- EXISTING FIRE HYDRANT
- NEW WATER LINE
- NEW WATER LINE BY JACK & BORE
- NEW WATER VALVE
- NEW WATER METER & BOX
- ⊕ NEW M.J. FITTINGS
- ⊕ NEW RPZ & ENCLOSURE
- ⊕ NEW AIR RELEASE ASSEMBLY
- ⊕ NEW WATER SAMPLING STATION
- ▨ EXISTING BUILDINGS
- △ SURVEY CONTROL POINT

WATER LINE LEGEND:

- (A) 8" C900 WATER LINE
- (B) 6" C900 WATER LINE
- (C) 4" C900 WATER LINE
- (D) 3" PE WATER LINE
- (E) 2" PE WATER LINE
- (F) 1" PE WATER LINE
- (G) WATER LINE BY JACK & BORE APPROVAL BY LOCAL VA
- (H) GATE VALVES W/ BOX & PAD
- (J) NEW WATER METER & BOX
- (K) BACKFLOW PREVENTER
- (L) M.J. FITTING (TEES, BENDS & REDUCERS)
- (M) TAPPING SLEEVE & VALVE (HOT TAP)
- (N) SERVICE SADDLE & CORP STOP
- (O) SAMPLING STATION
- (P) AIR RELEASE ASSEMBLY
- (R) CUT & CAP EXIST. SERVICE LINE CONNECT W/ COMPRESSION TYPE FITTING

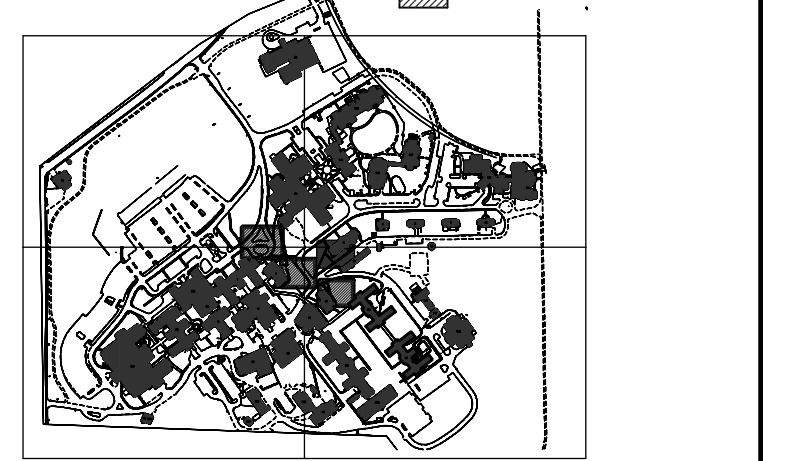
KEY NOTES:

1. CONTRACTOR SHALL SAWCUT EXISTING CONCRETE SIDEWALK / PAVEMENT REMOVE & RECONSTRUCT NEW SIDEWALK OR PAVEMENT AFTER NEW WATER LINES ARE INSTALLED (MATCH EXISTING SIDEWALK OR PAVEMENT WIDTH, DEPTH & ELEVATIONS).
2. CONTRACTOR SHALL SAWCUT OR BORE EXISTING ROADWAY OR PAVEMENT AS DIRECTED IN THE PLANS.
3. SAWCUT ALL CONCRETE CURBS CROSSED WITH OPEN CUT, REMOVE AND RECONSTRUCT.
4. REMOVE & RE-INSTALL CHAIN LINK FENCE.
5. OPEN CUT EXISTING AGGREGATE SURFACE & RESTORE TO ORIGINAL CONDITION.
6. OPEN CUT EXISTING LANDSCAPED AND PLAYGROUND AREAS AND RESTORE TO ORIGINAL CONDITION.
7. REMOVE EXISTING TREE, REPLACE TREE WITH NEW TREE, MATCH SIZE & TYPE!
8. CONTRACTOR SHALL SAWCUT ASPHALT PAVEMENT, REMOVE & RESTORE AFTER NEW WATER LINE INSTALLATION. (MATCH WIDTH, DEPTH & ELEVATIONS).
9. FUTURE U.G. STEAM LINE PROJECT
10. FUTURE U.G. EHRM PROJECT
11. FUTURE ELECTRICAL PROJECT

NOTE:
NOT ALL NOTES USED ON EACH SHEET.

KEY PLAN

SCALE: NO SCALE
 SHEET LAYOUT
 AREA OF WORK



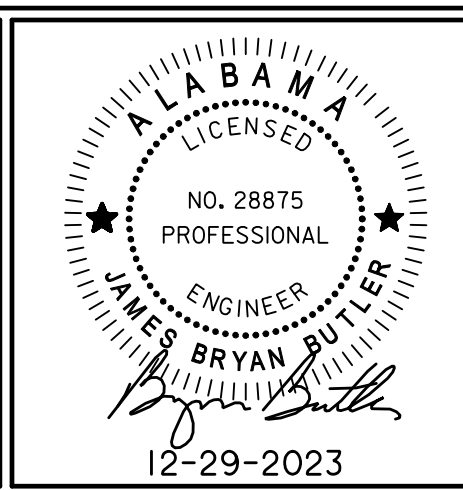
**PARTIAL ENLARGED PLAN
WATER LINE LAYOUT**
 SCALE: 1" = 10'

#	Revisions:	Date

CONSULTANTS:

APOGEE
Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
 1151 Kildaire Farm Road, Suite 120
 Cary, North Carolina 27511
 www.acg-pa.com 919-858-7420



PROJECT MANAGER

Ballard Project Number 224000

Ballard CLC, Inc.
 Architects • Engineers • Surveyors
 1009 Bayou Place
 Alexandria, LA 71303
 Tel. (318) 445-6571 Fax. (318) 448-0257

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
**PARTIAL ENLARGED PLAN
WATER LINE LAYOUT**

Location
 TUSCALOOSA VA MEDICAL CENTER
 3701 LOOP ROAD
 TUSCALOOSA, AL, 35404

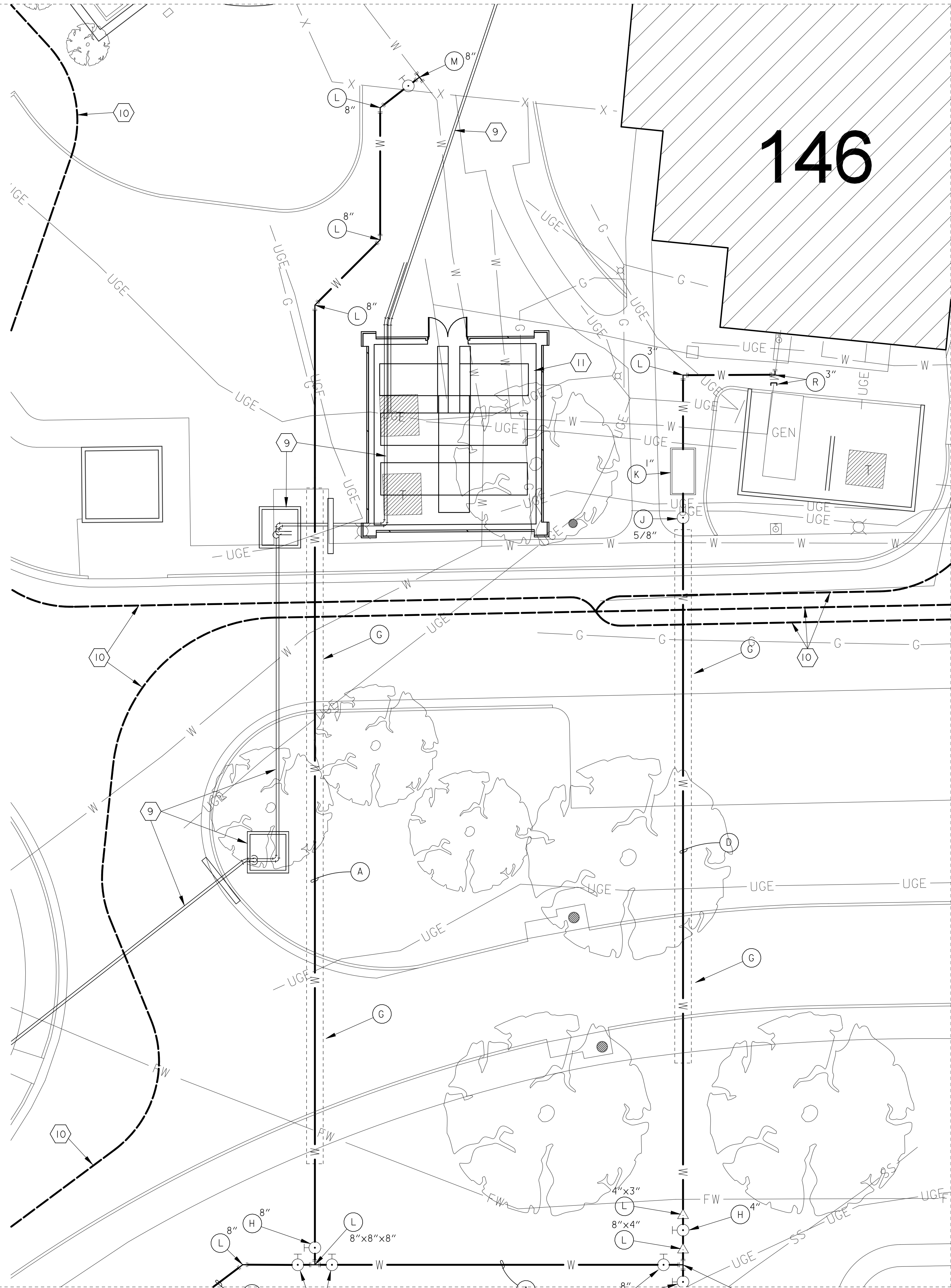
Project Title
**CORRECT FAILING SANITARY
SEWER, WATER MAIN, AND
FIRE PROTECTION DEFICIENCIES**

Approved
 Date: DEC. 29, 2023
 Checked: BCLC
 Drawn: BCLC

VA PROJECT NUMBER
679-21-102

Building Number
N/A

Drawing Number
C-209
 Dwg. 16 of 27



SHEET NOTES:

1. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA HOSPITAL ENGINEERING OFFICE.
2. ALL ASPHALT ROADWAYS AND PARKING AREAS SHALL BE OPEN CUT OR JACK AND BORED. COORDINATE WITH CONSTRUCTION PLANS. ALL BORING SHALL BE APPROVED BY LOCAL VA.
3. ALL CONCRETE SIDEWALKS, ROADWAYS, OR PARKING LOTS SURFACES THAT ARE OPEN CUT SHALL BE RESTORED TO ORIGINAL CONDITIONS.

LEGEND:

- W — EXISTING WATER LINE
- FW — EXISTING FIRE LINE
- EXISTING FIRE HYDRANT
- W — NEW WATER LINE
- W — NEW WATER LINE BY JACK & BORE
- NEW WATER VALVE
- NEW WATER METER & BOX
- ⊕ NEW M.J. FITTINGS
- ⊕ NEW RPZ & ENCLOSURE
- ⊕ NEW AIR RELEASE ASSEMBLY
- ⊕ NEW WATER SAMPLING STATION
- ▨ EXISTING BUILDINGS
- △ SURVEY CONTROL POINT

WATER LINE LEGEND:

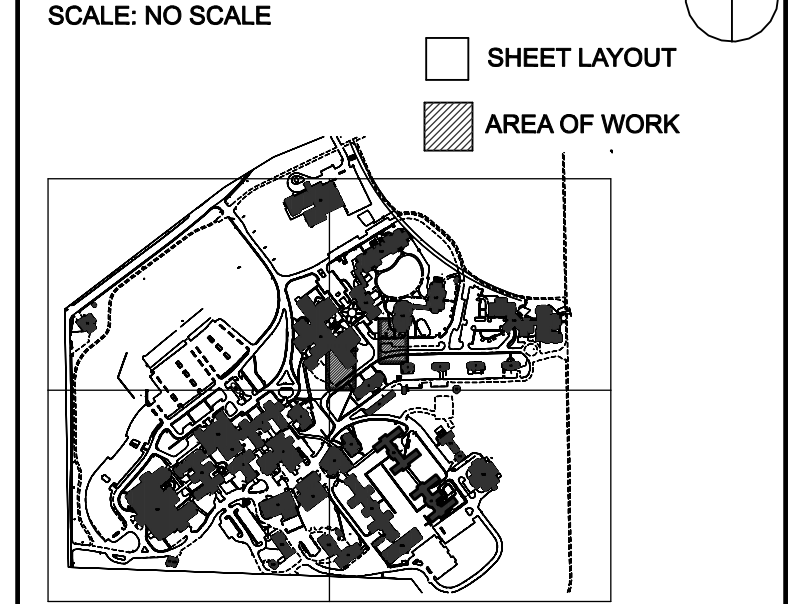
- (A) 8" C900 WATER LINE
- (B) 6" C900 WATER LINE
- (C) 4" C900 WATER LINE
- (D) 3" PE WATER LINE
- (E) 2" PE WATER LINE
- (F) 1" PE WATER LINE
- (G) WATER LINE BY JACK & BORE APPROVAL BY LOCAL VA
- (H) GATE VALVES W/ BOX & PAD
- (J) NEW WATER METER & BOX
- (K) BACKFLOW PREVENTER
- (L) M.J. FITTING (TEES, BENDS & REDUCERS)
- (M) TAPPING SLEEVE & VALVE (HOT TAP)
- (N) SERVICE SADDLE & CORP STOP
- (O) SAMPLING STATION
- (P) AIR RELEASE ASSEMBLY
- (R) CUT & CAP EXIST. SERVICE LINE CONNECT W/ COMPRESSION TYPE FITTING

KEY NOTES:

1. CONTRACTOR SHALL SAWCUT EXISTING CONCRETE SIDEWALK / PAVEMENT, REMOVE & RECONSTRUCT NEW SIDEWALK OR PAVEMENT AFTER NEW WATER LINES ARE INSTALLED. MATCH EXISTING SIDEWALK OR PAVEMENT WIDTH, DEPTH & ELEVATIONS.
2. CONTRACTOR SHALL SAWCUT OR BORE EXISTING ROADWAY OR PAVEMENT AS DIRECTED IN THE PLANS.
3. SAWCUT ALL CONCRETE CURBS CROSSED WITH OPEN CUT, REMOVE AND RECONSTRUCT.
4. REMOVE & RE-INSTALL CHAIN LINK FENCE.
5. OPEN CUT EXISTING AGGREGATE SURFACE & RESTORE TO ORIGINAL CONDITION.
6. OPEN CUT EXISTING LANDSCAPED AND PLAYGROUND AREAS AND RESTORE TO ORIGINAL CONDITION.
7. REMOVE EXISTING TREE, REPLACE TREE WITH NEW TREE, MATCH SIZE & TYPE/PLANT.
8. CONTRACTOR SHALL SAWCUT ASPHALT PAVEMENT, REMOVE & RESTORE AFTER NEW WATER LINE INSTALLATION. MATCH WIDTH, DEPTH & ELEVATIONS.
9. FUTURE U.G. STEAM LINE PROJECT
10. FUTURE U.G. EHRM PROJECT
11. FUTURE ELECTRICAL PROJECT

NOTE: NOT ALL NOTES USED ON EACH SHEET.

KEY PLAN



**PARTIAL ENLARGED PLAN
WATER LINE LAYOUT**
SCALE: 1" = 10'

#	Revisions:	Date

CONSULTANTS:

APOGEE
Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

ALABAMA
LICENSED PROFESSIONAL ENGINEER
BRYAN MULLIN
12-29-2023

U.S. Department of Veterans Affairs

PROJECT MANAGER

Ballard Project Number 224000

Ballard CLC, Inc.
Architects • Engineers • Surveyors
1009 Bayou Place
Alexandria, LA 71303
Tel. (318) 445-6571 Fax. (318) 448-0257

Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title
**PARTIAL ENLARGED PLAN
WATER LINE LAYOUT**

Location
TUSCALOOSA VA MEDICAL CENTER
3701 LOOP ROAD
TUSCALOOSA, AL, 35404

Project Title
**CORRECT FAILING SANITARY
SEWER, WATER MAIN, AND
FIRE PROTECTION DEFICIENCIES**

Approved
Date: DEC. 29, 2023
Checked: BCLC
Drawn: BCLC

VA PROJECT NUMBER
679-21-102

Building Number
N/A

Drawing Number
C-210
Dwg. 17 of 27



SHEET NOTES:

- CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA HOSPITAL ENGINEERING OFFICE.
- ALL ASPHALT ROADWAYS AND PARKING AREAS SHALL BE OPEN CUT OR JACK AND BORED. COORDINATE WITH CONSTRUCTION PLANS. ALL BORING SHALL BE APPROVED BY LOCAL VA.
- ALL CONCRETE SIDEWALKS, ROADWAYS, OR PARKING LOTS SURFACES THAT ARE OPEN CUT SHALL BE RESTORED TO ORIGINAL CONDITIONS.

LEGEND:

- W — EXISTING WATER LINE
- FW — EXISTING FIRE LINE
- EXISTING FIRE HYDRANT
- W — NEW WATER LINE
- W --- NEW WATER LINE BY JACK & BORE
- NEW WATER VALVE
- NEW WATER METER & BOX
- ⊕ NEW M.J. FITTINGS
- ⊕ NEW RPZ & ENCLOSURE
- ⊕ NEW AIR RELEASE ASSEMBLY
- ⊕ NEW WATER SAMPLING STATION
- ▨ EXISTING BUILDINGS
- △ SURVEY CONTROL POINT

WATER LINE LEGEND:

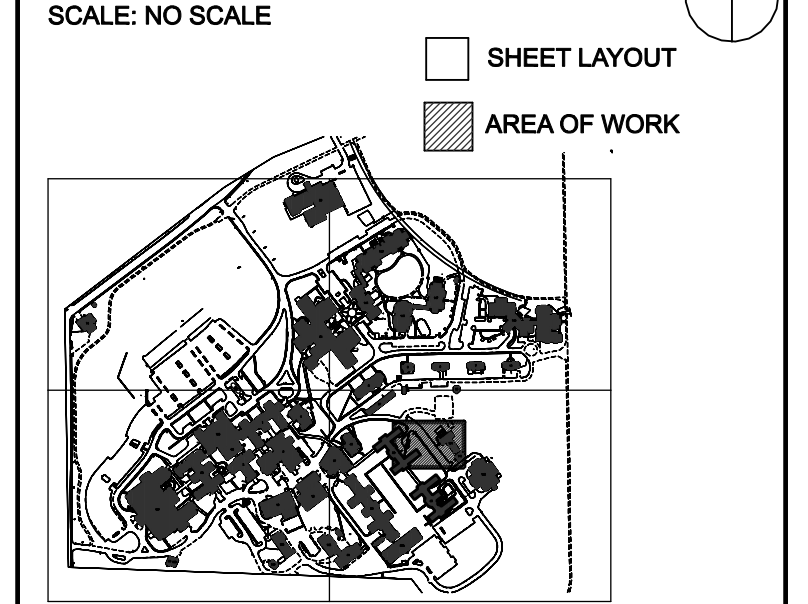
- ⊕ A 8" C900 WATER LINE
- ⊕ B 6" C900 WATER LINE
- ⊕ C 4" C900 WATER LINE
- ⊕ D 3" PE WATER LINE
- ⊕ E 2" PE WATER LINE
- ⊕ F 1" PE WATER LINE
- ⊕ G WATER LINE BY JACK & BORE APPROVAL BY LOCAL VA
- ⊕ H GATE VALVES W/ BOX & PAD
- ⊕ J NEW WATER METER & BOX
- ⊕ K BACKFLOW PREVENTER
- ⊕ L M.J. FITTING (TEES, BENDS & REDUCERS)
- ⊕ M TAPPING SLEEVE & VALVE (HOT TAP)
- ⊕ N SERVICE SADDLE & CORP STOP
- ⊕ O SAMPLING STATION
- ⊕ P AIR RELEASE ASSEMBLY
- ⊕ R CUT & CAP EXIST. SERVICE LINE CONNECT W/ COMPRESSION TYPE FITTING

KEY NOTES:

- CONTRACTOR SHALL SAWCUT EXISTING CONCRETE SIDEWALK / PAVEMENT, REMOVE & RECONSTRUCT NEW SIDEWALK OR PAVEMENT AFTER NEW WATER LINES ARE INSTALLED. MATCH EXISTING SIDEWALK OR PAVEMENT WIDTH, DEPTH & ELEVATIONS.
- CONTRACTOR SHALL SAWCUT OR BORE EXISTING ROADWAY OR PAVEMENT AS DIRECTED IN THE PLANS.
- SAWCUT ALL CONCRETE CURBS CROSSED WITH OPEN CUT, REMOVE AND RECONSTRUCT.
- REMOVE & RE-INSTALL CHAIN LINK FENCE.
- OPEN CUT EXISTING AGGREGATE SURFACE & RESTORE TO ORIGINAL CONDITION.
- OPEN CUT EXISTING LANDSCAPED AND PLAYGROUND AREAS AND RESTORE TO ORIGINAL CONDITION.
- REMOVE EXISTING TREE, REPLACE TREE WITH NEW TREE, MATCH SIZE & TYPE.
- CONTRACTOR SHALL SAWCUT ASPHALT PAVEMENT, REMOVE & RESTORE AFTER NEW WATER LINE INSTALLATION. MATCH WIDTH, DEPTH & ELEVATIONS.
- FUTURE U.G. STEAM LINE PROJECT
- FUTURE U.G. EHRM PROJECT
- FUTURE ELECTRICAL PROJECT

NOTE: NOT ALL NOTES USED ON EACH SHEET.

KEY PLAN



39

101

141

PARTIAL ENLARGED PLAN WATER LINE LAYOUT

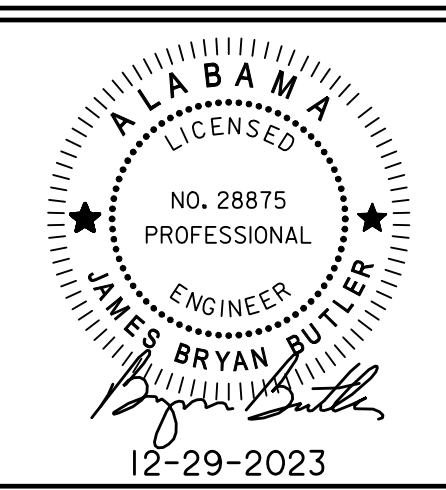
SCALE: 1" = 10'

#	Revisions:	Date

CONSULTANTS:

APOGEE
Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420



PROJECT MANAGER

Ballard Project Number 224000

Ballard CLC, Inc.
Architects • Engineers • Surveyors
1009 Bayou Place
Alexandria, LA 71303
Tel. (318) 445-6571 Fax. (318) 448-0257

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
PARTIAL ENLARGED PLAN WATER LINE LAYOUT

Location
TUSCALOOSA VA MEDICAL CENTER
3701 LOOP ROAD
TUSCALOOSA, AL, 35404

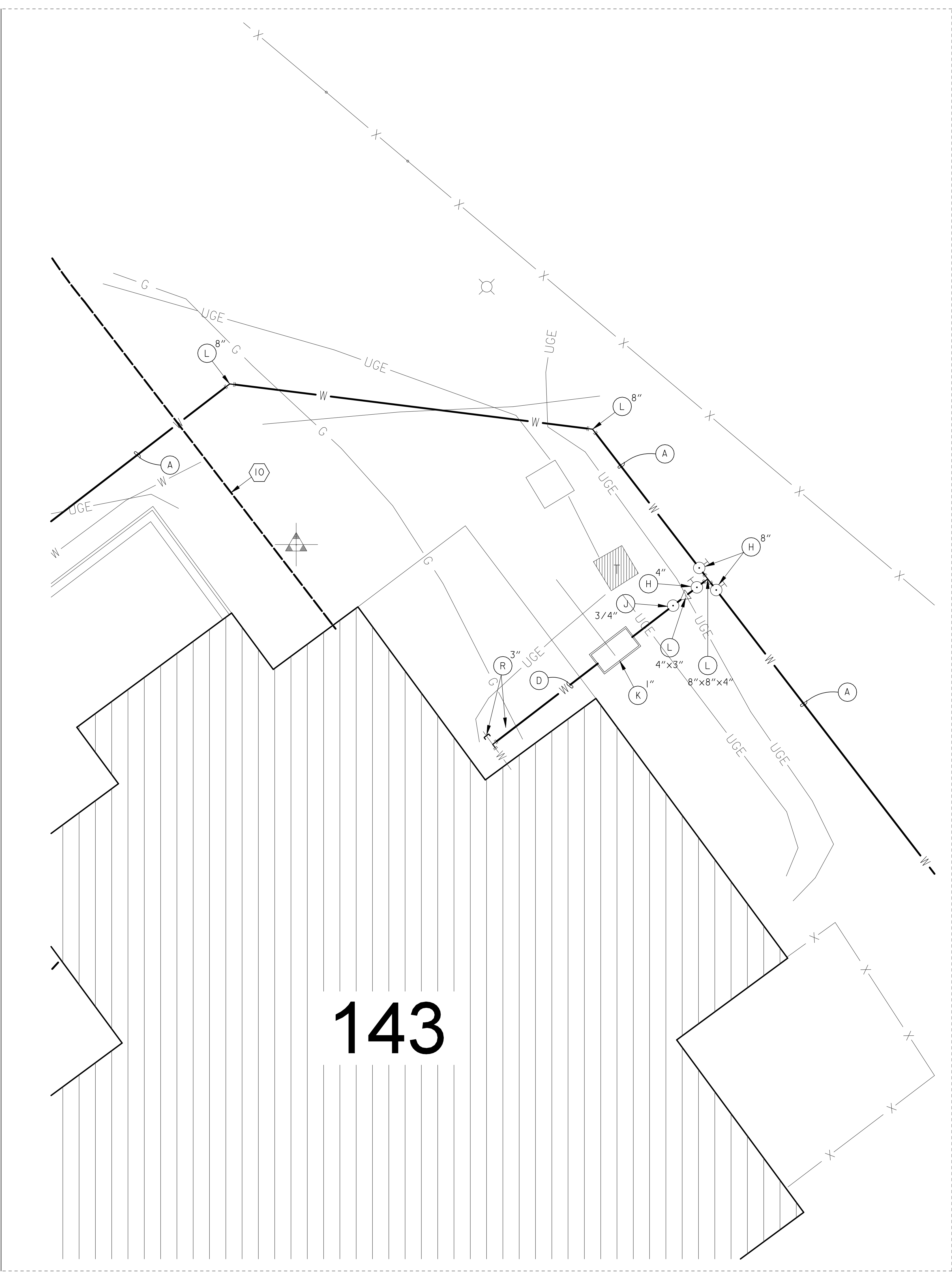
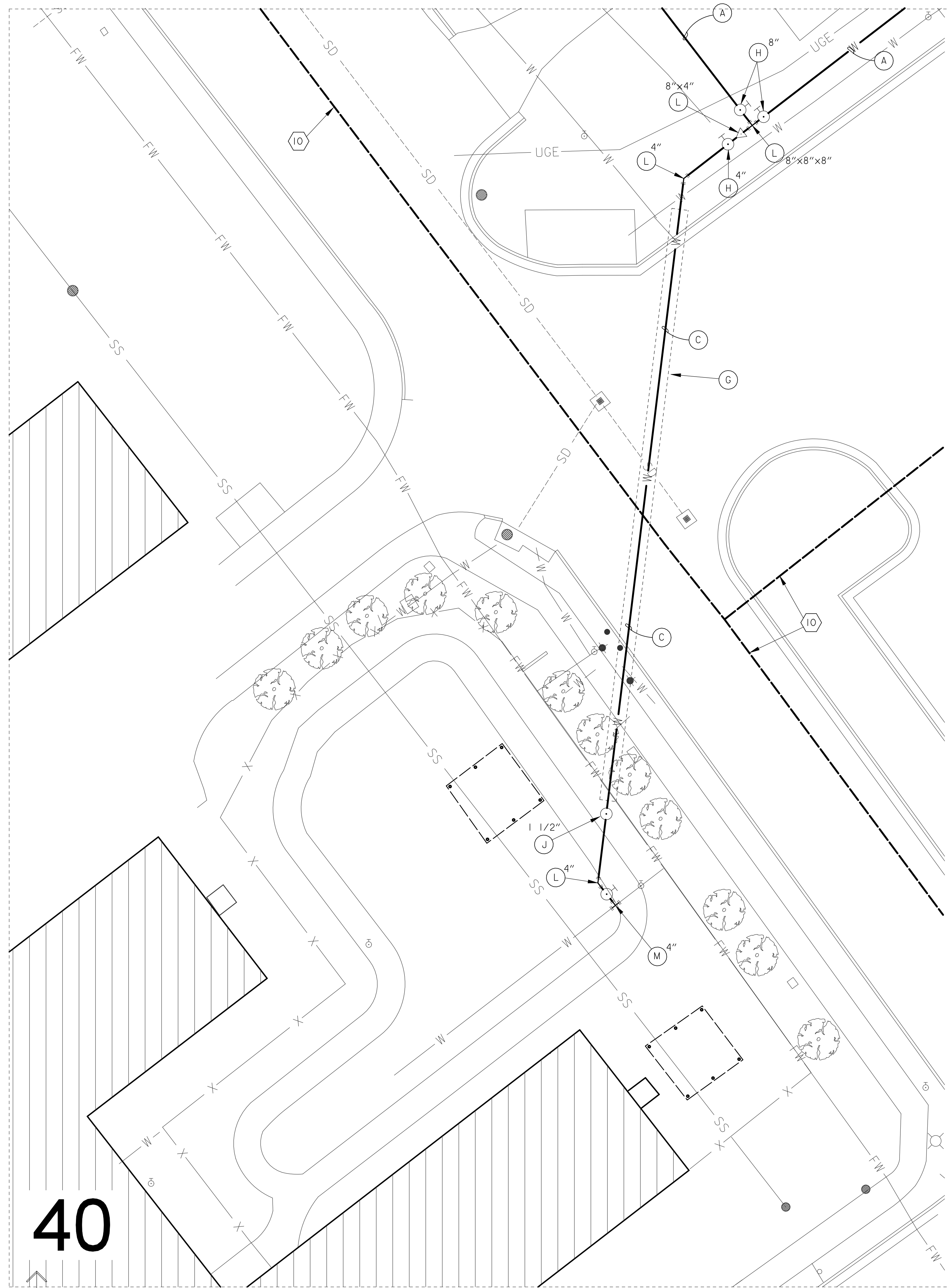
Project Title
CORRECT FAILING SANITARY SEWER, WATER MAIN, AND FIRE PROTECTION DEFICIENCIES

Approved
Date: DEC. 29, 2023
Checked: BCLC
Drawn: BCLC

VA PROJECT NUMBER
679-21-102

Building Number
N/A

Drawing Number
C-211
Dwg. 18 of 27



40

143

**PARTIAL ENLARGED PLAN
WATER LINE LAYOUT**
SCALE: 1" = 10'

SHEET NOTES:

- CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA HOSPITAL ENGINEERING OFFICE.
- ALL ASPHALT ROADWAYS AND PARKING AREAS SHALL BE OPEN CUT OR JACK AND BORED. COORDINATE WITH CONSTRUCTION PLANS. ALL BORING SHALL BE APPROVED BY LOCAL VA.
- ALL CONCRETE SIDEWALKS, ROADWAYS, OR PARKING LOTS SURFACES THAT ARE OPEN CUT SHALL BE RESTORED TO ORIGINAL CONDITIONS.

LEGEND:

- EXISTING WATER LINE
- EXISTING FIRE LINE
- EXISTING FIRE HYDRANT
- NEW WATER LINE
- NEW WATER LINE BY JACK & BORE
- NEW WATER VALVE
- NEW WATER METER & BOX
- ⊕ NEW M.J. FITTINGS
- ⊕ NEW RPZ & ENCLOSURE
- ⊕ NEW AIR RELEASE ASSEMBLY
- ⊕ NEW WATER SAMPLING STATION
- ▨ EXISTING BUILDINGS
- ⊕ SURVEY CONTROL POINT

WATER LINE LEGEND:

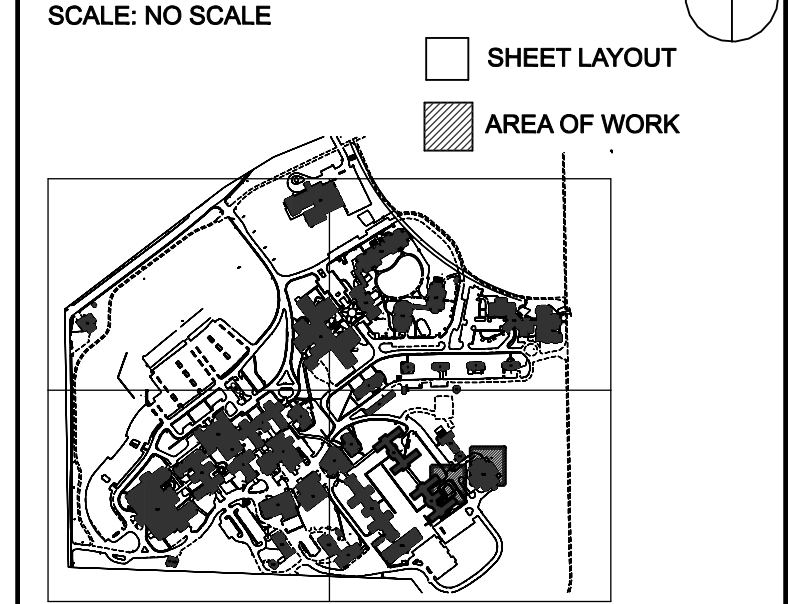
- ⊕ 8" C900 WATER LINE
- ⊕ 6" C900 WATER LINE
- ⊕ 4" C900 WATER LINE
- ⊕ 3" PE WATER LINE
- ⊕ 2" PE WATER LINE
- ⊕ 1" PE WATER LINE
- ⊕ WATER LINE BY JACK & BORE APPROVAL BY LOCAL VA
- ⊕ GATE VALVES W/ BOX & PAD
- ⊕ NEW WATER METER & BOX
- ⊕ BACKFLOW PREVENTER
- ⊕ M.J. FITTING (TEES, BENDS & REDUCERS)
- ⊕ TAPPING SLEEVE & VALVE (HOT TAP)
- ⊕ SERVICE SADDLE & CORP STOP
- ⊕ SAMPLING STATION
- ⊕ AIR RELEASE ASSEMBLY
- ⊕ CUT & CAP EXIST. SERVICE LINE CONNECT W/ COMPRESSION TYPE FITTING

KEY NOTES:

- CONTRACTOR SHALL SAWCUT EXISTING CONCRETE SIDEWALK / PAVEMENT, REMOVE & RECONSTRUCT NEW SIDEWALK OR PAVEMENT AFTER NEW WATER LINES ARE INSTALLED. (MATCH EXISTING SIDEWALK OR PAVEMENT WIDTH, DEPTH & ELEVATIONS).
- CONTRACTOR SHALL SAWCUT OR BORE EXISTING ROADWAY OR PAVEMENT AS DIRECTED IN THE PLANS.
- SAWCUT ALL CONCRETE CURBS CROSSED WITH OPEN CUT, REMOVE AND RECONSTRUCT.
- REMOVE & RE-INSTALL CHAIN LINK FENCE.
- OPEN CUT EXISTING AGGREGATE SURFACE & RESTORE TO ORIGINAL CONDITION.
- OPEN CUT EXISTING LANDSCAPED AND PLAYGROUND AREAS AND RESTORE TO ORIGINAL CONDITION.
- REMOVE EXISTING TREE, REPLACE TREE WITH NEW TREE, MATCH SIZE & TYPE!
- CONTRACTOR SHALL SAWCUT ASPHALT PAVEMENT, REMOVE & RESTORE AFTER NEW WATER LINE INSTALLATION. (MATCH WIDTH, DEPTH & ELEVATIONS).
- FUTURE U.G. STEAM LINE PROJECT
- FUTURE U.G. EHRM PROJECT
- FUTURE ELECTRICAL PROJECT

NOTE: NOT ALL NOTES USED ON EACH SHEET.

KEY PLAN

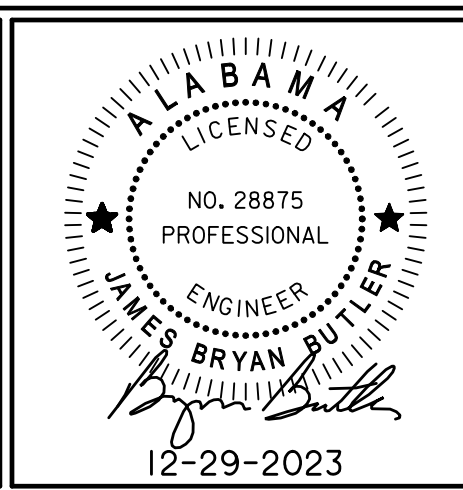


#	Revisions:	Date

CONSULTANTS:

APOGEE
Engineers | Architects
© COPYRIGHT Apogee Consulting Group, P.A.

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420



PROJECT MANAGER Ballard Project Number 224000

Ballard CLC, Inc.
Architects • Engineers • Surveyors
1009 Bayou Place
Alexandria, LA 71303
Tel. (318) 445-6571 Fax. (318) 448-0257

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
**PARTIAL ENLARGED PLAN
WATER LINE LAYOUT**

Location
TUSCALOOSA VA MEDICAL CENTER
3701 LOOP ROAD
TUSCALOOSA, AL, 35404

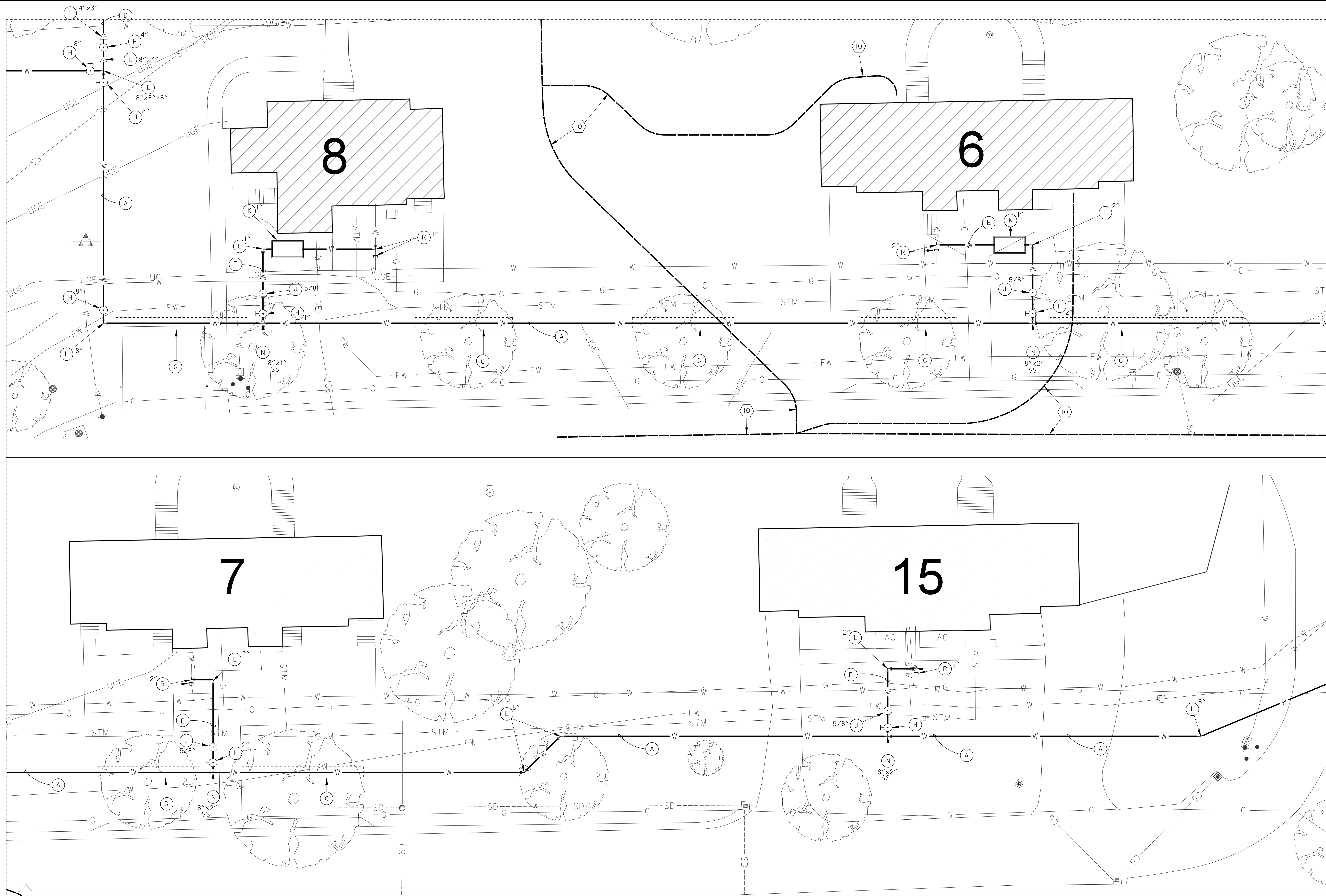
Project Title
**CORRECT FAILING SANITARY
SEWER, WATER MAIN, AND
FIRE PROTECTION DEFICIENCIES**

Approved
Date: DEC. 29, 2023 Checked: BCLC Drawn: BCLC

VA PROJECT NUMBER
679-21-102

Building Number
N/A

Drawing Number
C-212
Dwg. 19 of 27



**PARTIAL ENLARGED PLAN
WATER LINE LAYOUT**
SCALE: 1" = 10'

SHEET NOTES:

- CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA HOSPITAL ENGINEERING OFFICE.
- ALL ASPHALT ROADWAYS AND PARKING AREAS SHALL BE OPEN CUT OR JACK AND BORED. COORDINATE WITH CONSTRUCTION PLANS. ALL BORING SHALL BE APPROVED BY LOCAL VA.
- ALL CONCRETE SIDEWALKS, ROADWAYS, OR PARKING LOTS SURFACES THAT ARE OPEN CUT SHALL BE RESTORED TO ORIGINAL CONDITIONS.

LEGEND:

- EXISTING WATER LINE
- EXISTING FIRE LINE
- EXISTING FIRE HYDRANT
- NEW WATER LINE
- NEW WATER LINE BY JACK & BORE
- NEW WATER VALVE
- NEW WATER METER & BOX
- ⊕ NEW M.J. FITTINGS
- ⊕ NEW RPZ & ENCLOSURE
- ⊕ NEW AIR RELEASE ASSEMBLY
- ⊕ NEW WATER SAMPLING STATION
- ▨ EXISTING BUILDINGS
- SURVEY CONTROL POINT

WATER LINE LEGEND:

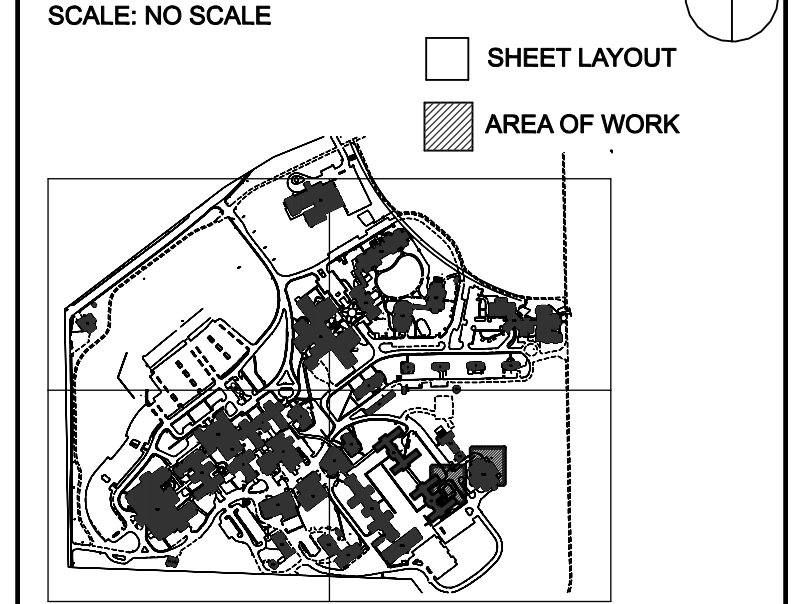
- (A) 8" C900 WATER LINE
- (B) 6" C900 WATER LINE
- (C) 4" C900 WATER LINE
- (D) 3" PE WATER LINE
- (E) 2" PE WATER LINE
- (F) 1" PE WATER LINE
- (G) WATER LINE BY JACK & BORE APPROVAL BY LOCAL VA
- (H) GATE VALVES W/ BOX & PAD
- (J) NEW WATER METER & BOX
- (K) BACKFLOW PREVENTER
- (L) M.J. FITTING (TEES, BENDS & REDUCERS)
- (M) TAPPING SLEEVE & VALVE (HOT TAP)
- (N) SERVICE SADDLE & CORP STOP
- (O) SAMPLING STATION
- (P) AIR RELEASE ASSEMBLY
- (R) CUT & CAP EXIST. SERVICE LINE CONNECT W/ COMPRESSION TYPE FITTING

KEY NOTES:

- CONTRACTOR SHALL SAWCUT EXISTING CONCRETE SIDEWALK / PAVEMENT, REMOVE & RECONSTRUCT NEW SIDEWALK OR PAVEMENT AFTER NEW WATER LINES ARE INSTALLED (MATCH EXISTING SIDEWALK OR PAVEMENT WIDTH, DEPTH & ELEVATIONS).
- CONTRACTOR SHALL SAWCUT OR BORE EXISTING ROADWAY OR PAVEMENT AS DIRECTED IN THE PLANS.
- SAWCUT ALL CONCRETE CURBS CROSSED WITH OPEN CUT, REMOVE AND RECONSTRUCT.
- REMOVE & RE-INSTALL CHAIN LINK FENCE.
- OPEN CUT EXISTING AGGREGATE SURFACE & RESTORE TO ORIGINAL CONDITION.
- OPEN CUT EXISTING LANDSCAPED AND PLAYGROUND AREAS AND RESTORE TO ORIGINAL CONDITION.
- REMOVE EXISTING TREE, REPLACE TREE WITH NEW TREE, MATCH SIZE & TYPE(T).
- CONTRACTOR SHALL SAWCUT ASPHALT PAVEMENT, REMOVE & RESTORE AFTER NEW WATER LINE INSTALLATION. (MATCH WIDTH, DEPTH & ELEVATIONS).
- FUTURE U.G. STEAM LINE PROJECT
- FUTURE U.G. EHRM PROJECT
- FUTURE ELECTRICAL PROJECT

NOTE:
NOT ALL NOTES USED ON EACH SHEET.

KEY PLAN



#	Revisions:	Date

CONSULTANTS:

APOGEE
Engineers | Architects
© COPYRIGHT Apogee Consulting Group, P.A.

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

PROFESSIONAL ENGINEER
BRYAN MULLIN
12-29-2023

U.S. Department of Veterans Affairs

PROJECT MANAGER
Ballard Project Number 224000

Ballard CLC, Inc.
Architects • Engineers • Surveyors
1009 Bayou Place
Alexandria, LA 71303
Tel. (318) 445-6571 Fax. (318) 448-0257

Office of Construction and Facilities Management
U.S. Department of Veterans Affairs

Drawing Title
PARTIAL ENLARGED PLAN WATER LINE LAYOUT

Location
TUSCALOOSA VA MEDICAL CENTER
3701 LOOP ROAD
TUSCALOOSA, AL, 35404

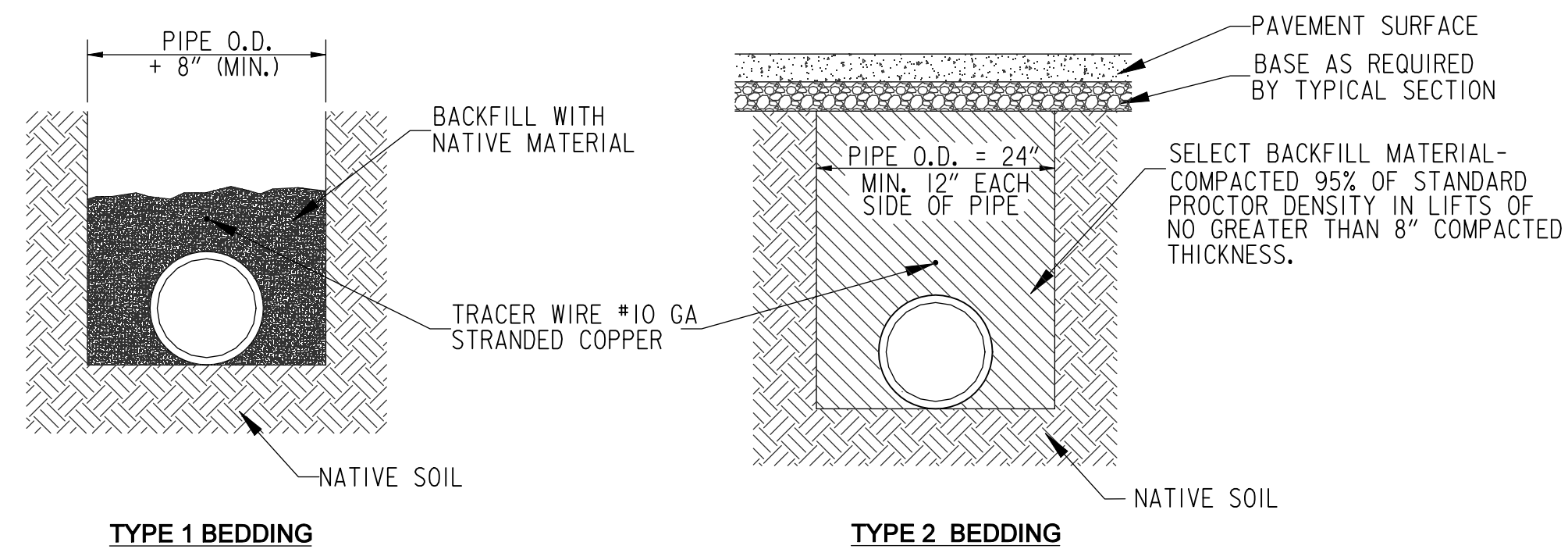
Project Title
CORRECT FAILING SANITARY SEWER, WATER MAIN, AND FIRE PROTECTION DEFICIENCIES

Approved
Date: DEC. 29, 2023
Checked: BCLC
Drawn: BCLC

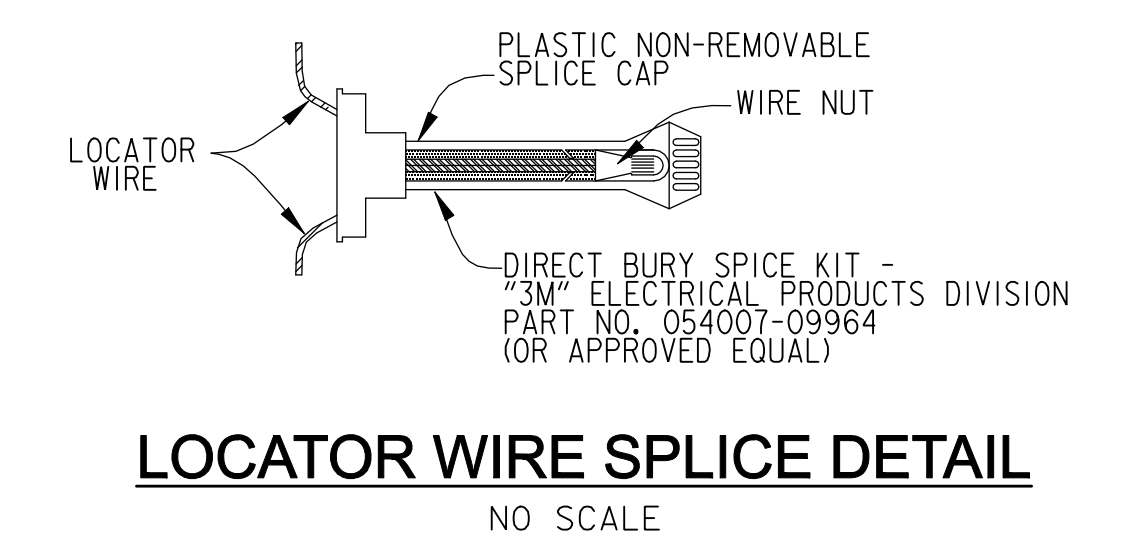
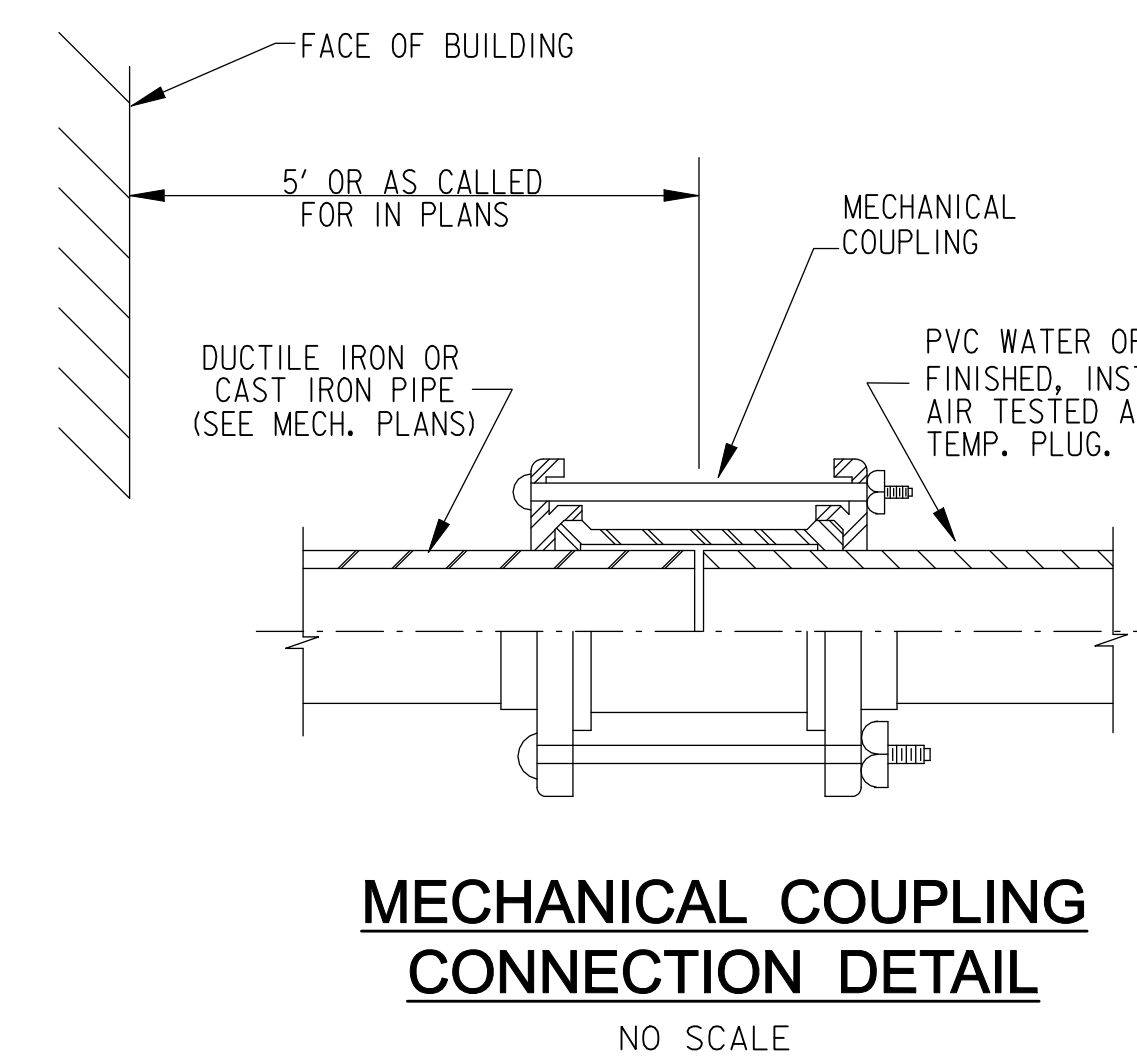
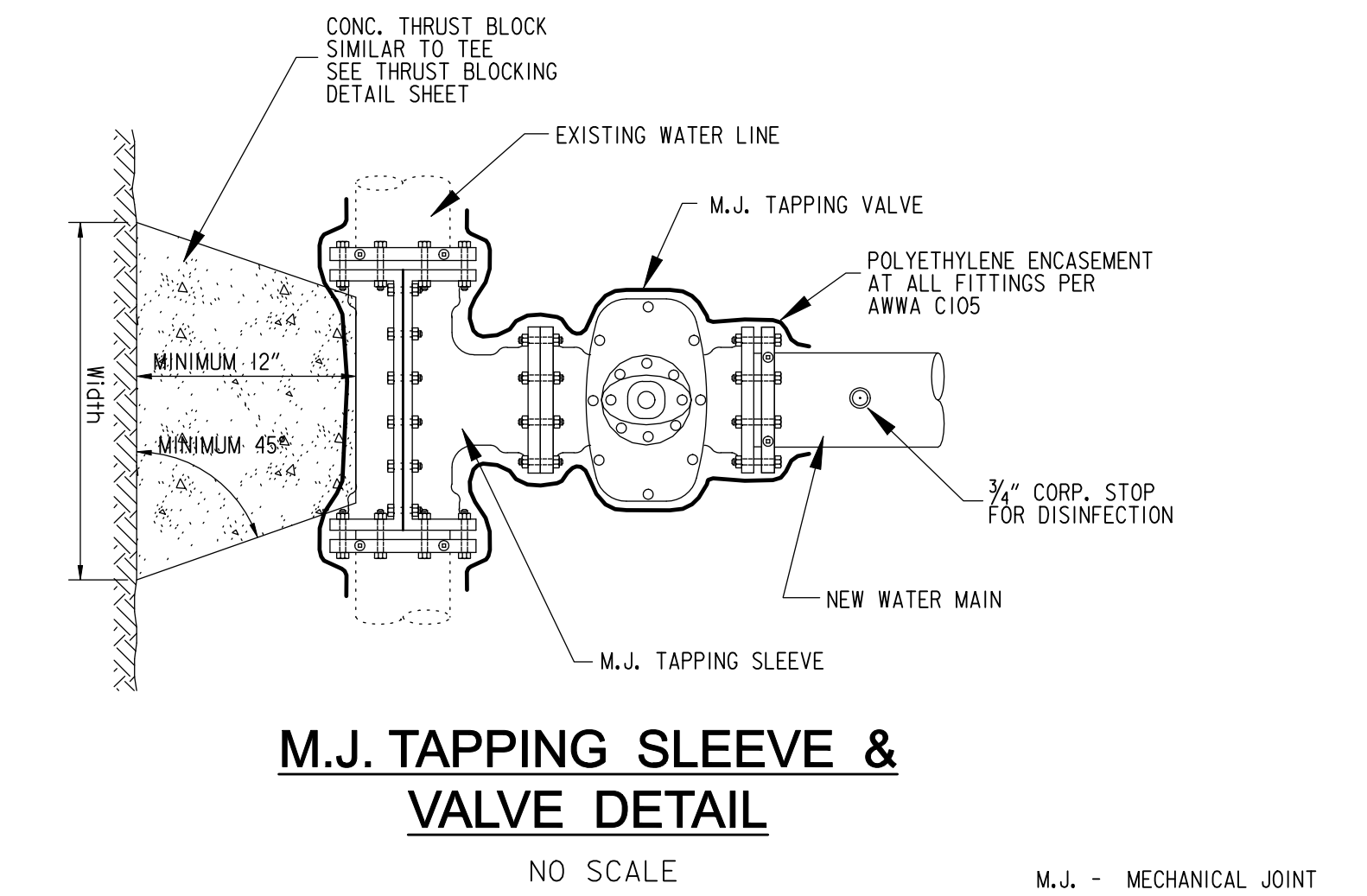
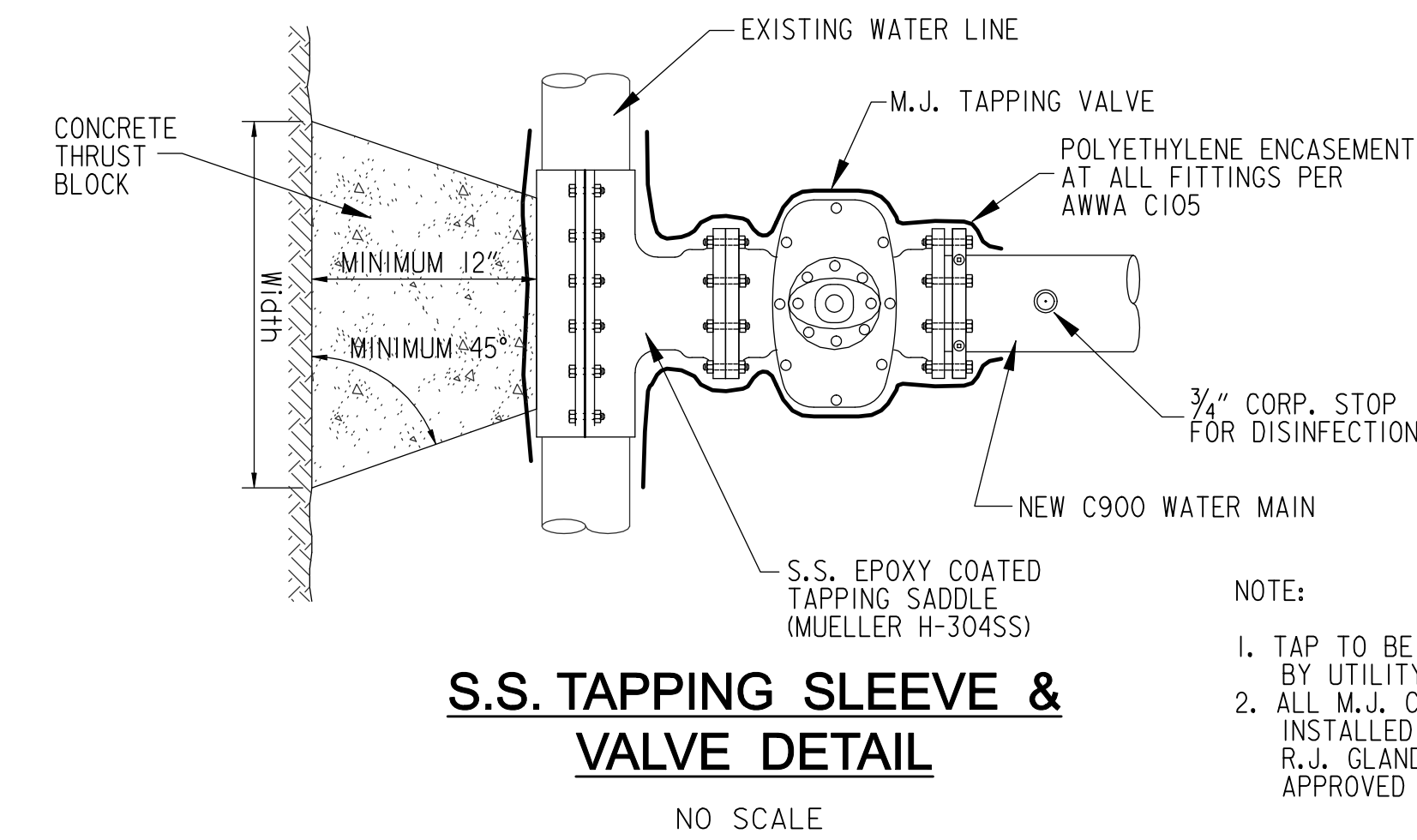
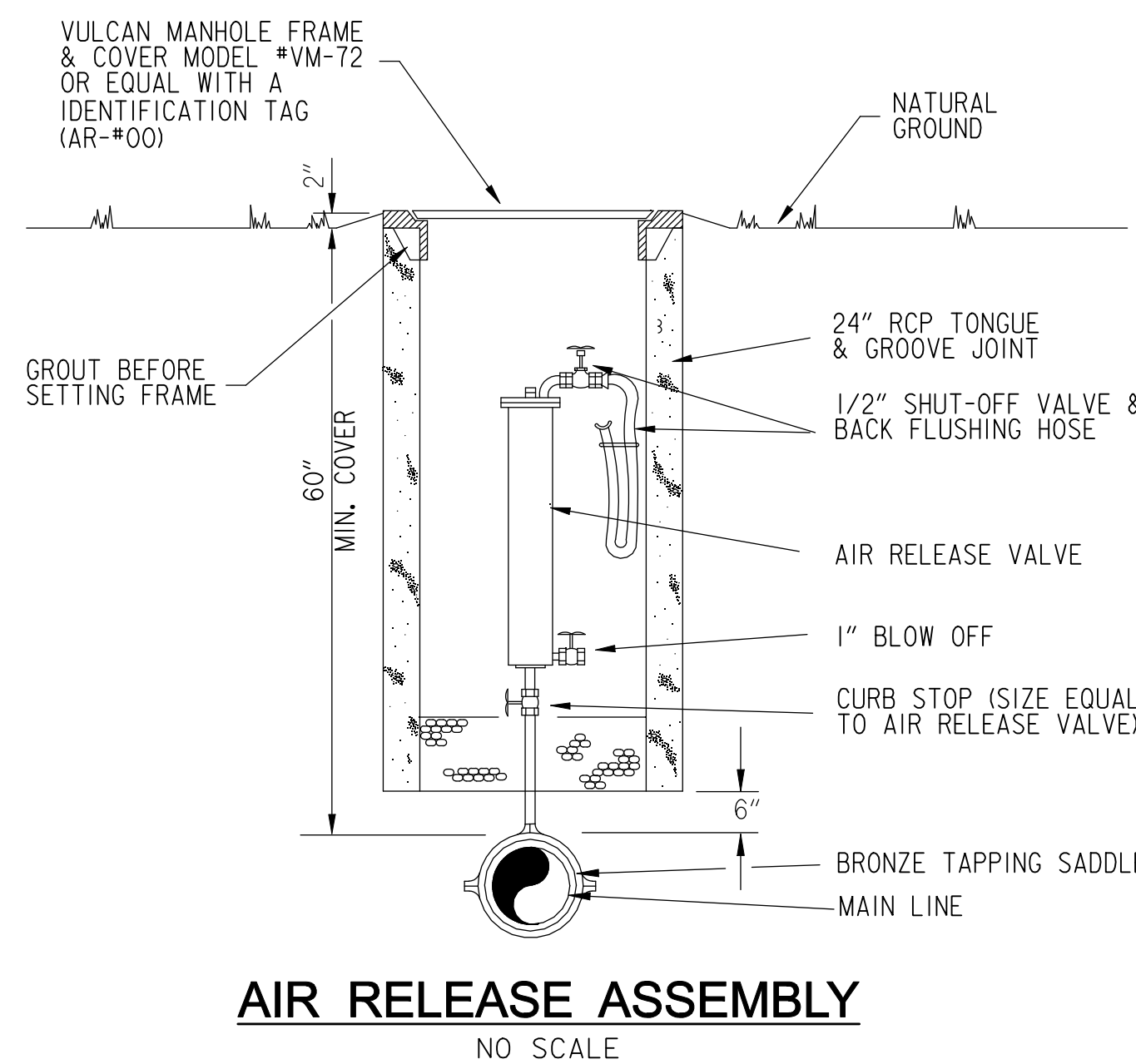
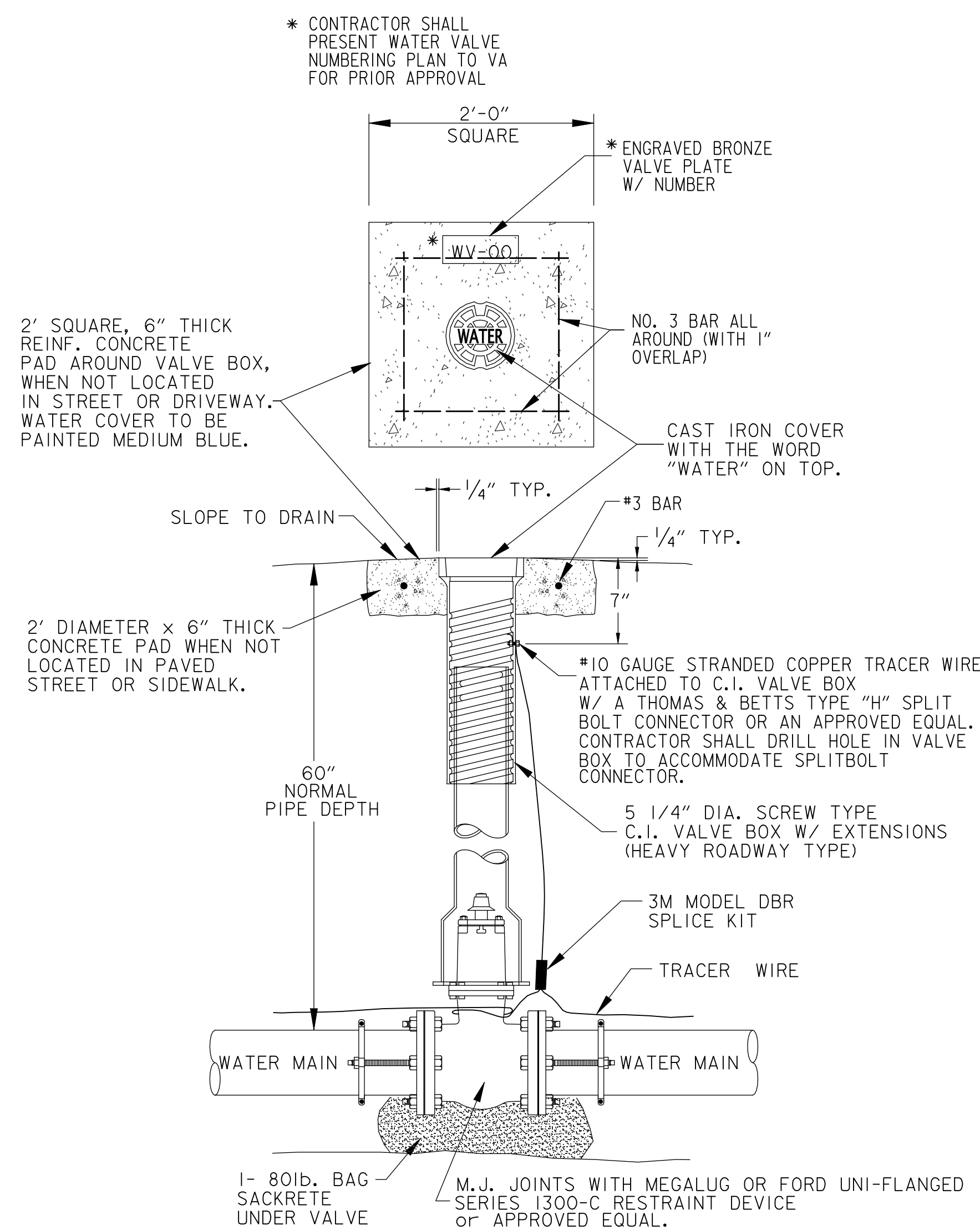
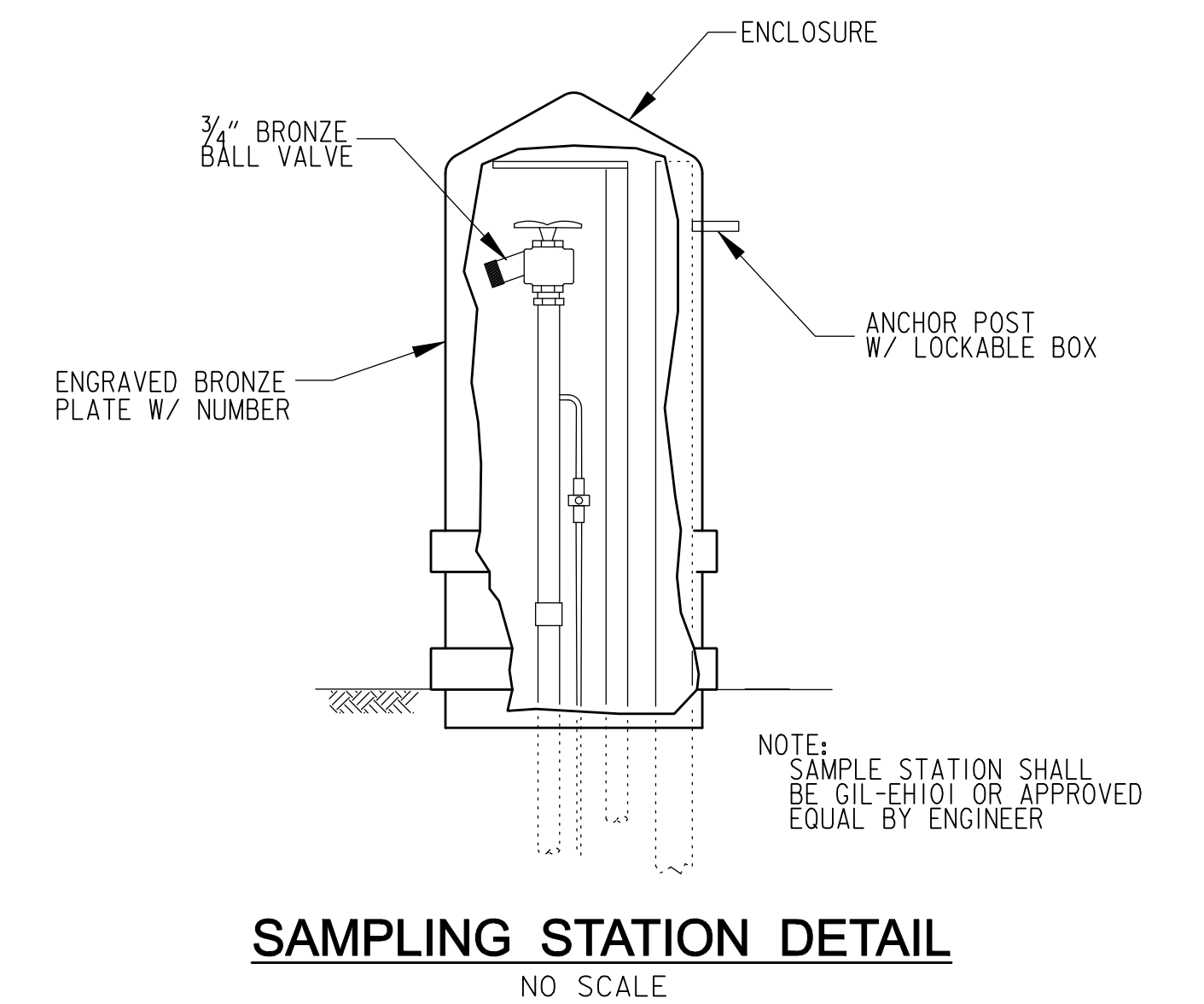
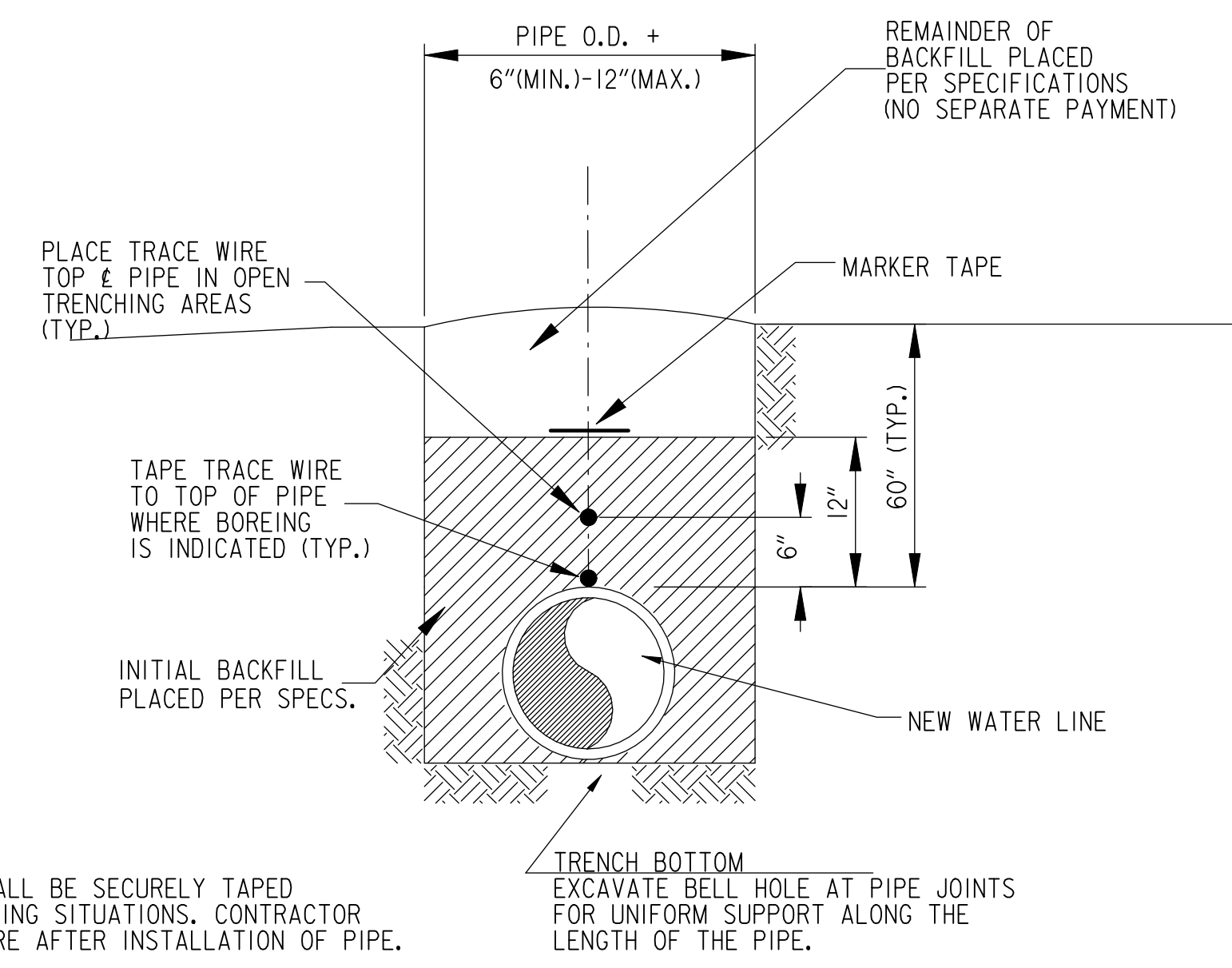
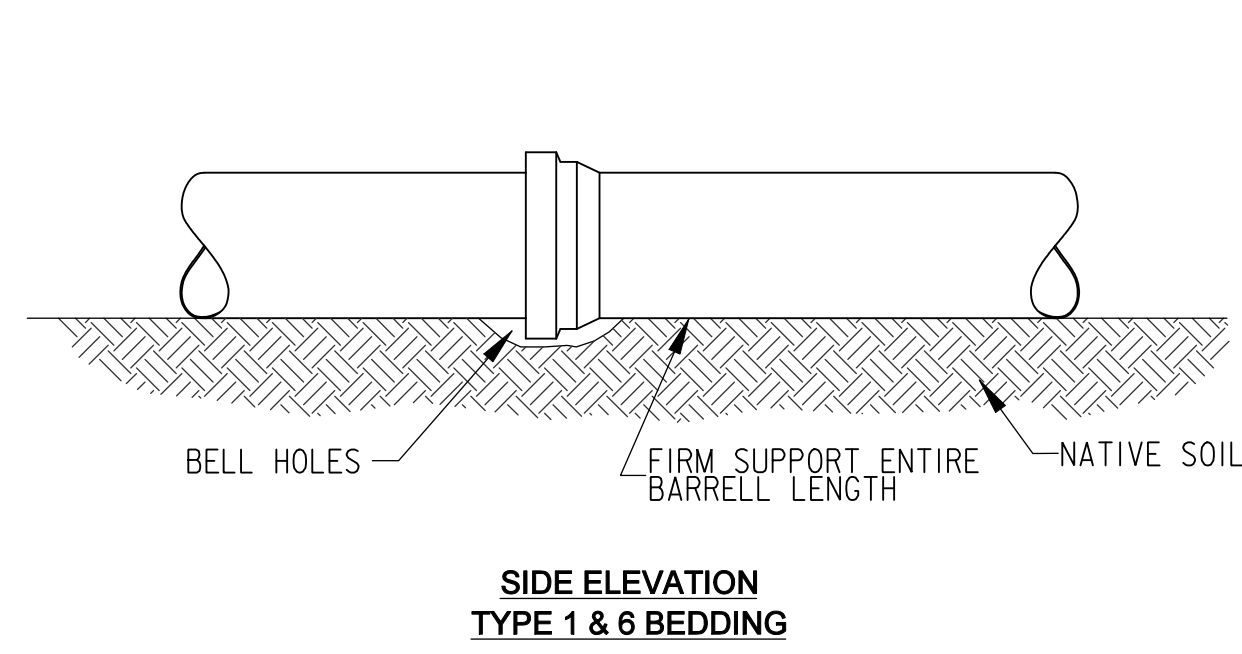
VA PROJECT NUMBER
679-21-102

Building Number
N/A

Drawing Number
C-213
Dwg. 20 of 27



STANDARD PIPE FOUNDATION DETAILS
 NO SCALE
DUCTILE IRON, POLYVINYL CHLORINE (PVC) OR POLYETHYLENE (PE) PIPE
 NO SCALE



#	Revisions:	Date

CONSULTANTS:

APOGEE
 Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
 1151 Kildaire Farm Road, Suite 120
 Cary, North Carolina 27511
 www.acg-pa.com 919-858-7420

ALABAMA
 LICENSED PROFESSIONAL ENGINEER
 JAMES BRYAN
 12-29-2023

U.S. Department of Veterans Affairs

PROJECT MANAGER Ballard Project Number 224000

Ballard CLC, Inc.
 Architects • Engineers • Surveyors
 1009 Bayou Place
 Alexandria, LA 71303
 Tel. (318) 445-6571 Fax. (318) 448-0257

Office of Construction and Facilities Management
 U.S. Department of Veterans Affairs

Drawing Title
WATER VALVE & MISC. WATER LINE DETAILS

Location
 TUSCALOOSA VA MEDICAL CENTER
 3701 LOOP ROAD
 TUSCALOOSA, AL, 35404

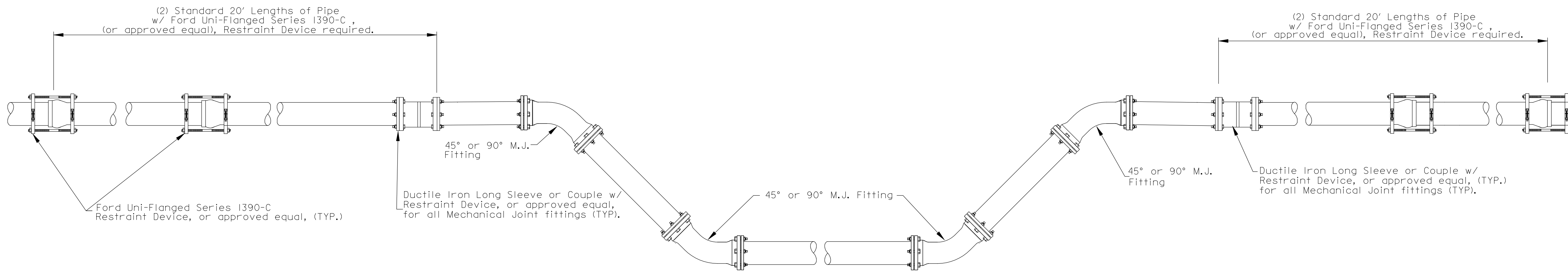
Project Title
CORRECT FAILING SANITARY SEWER, WATER MAIN, AND FIRE PROTECTION DEFICIENCIES

Approved
 Date DEC. 29, 2023 Checked BCLC Drawn BCLC

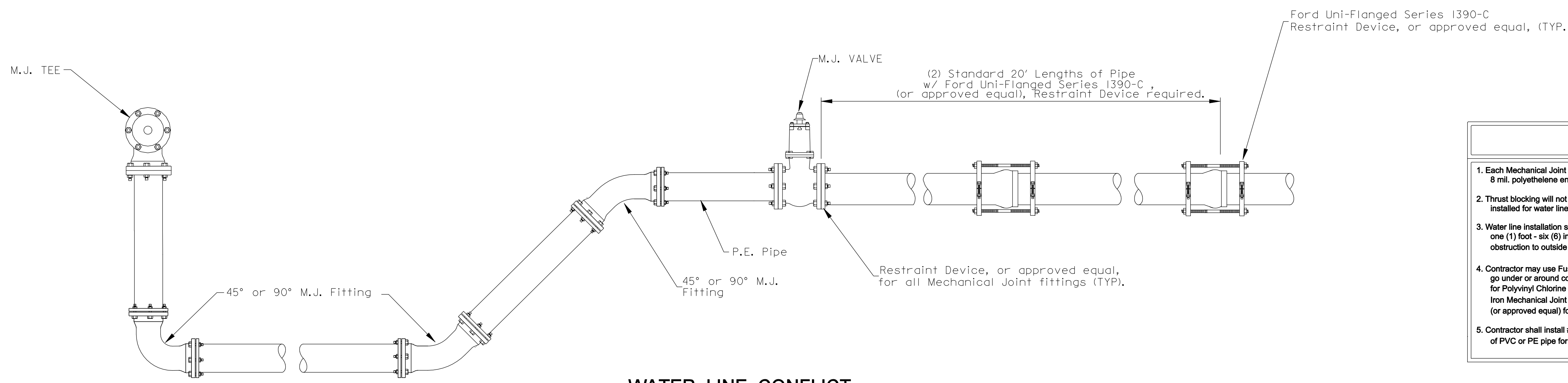
VA PROJECT NUMBER
679-21-102

Building Number
N/A

Drawing Number
C-300
 Dwg. 21 of 27

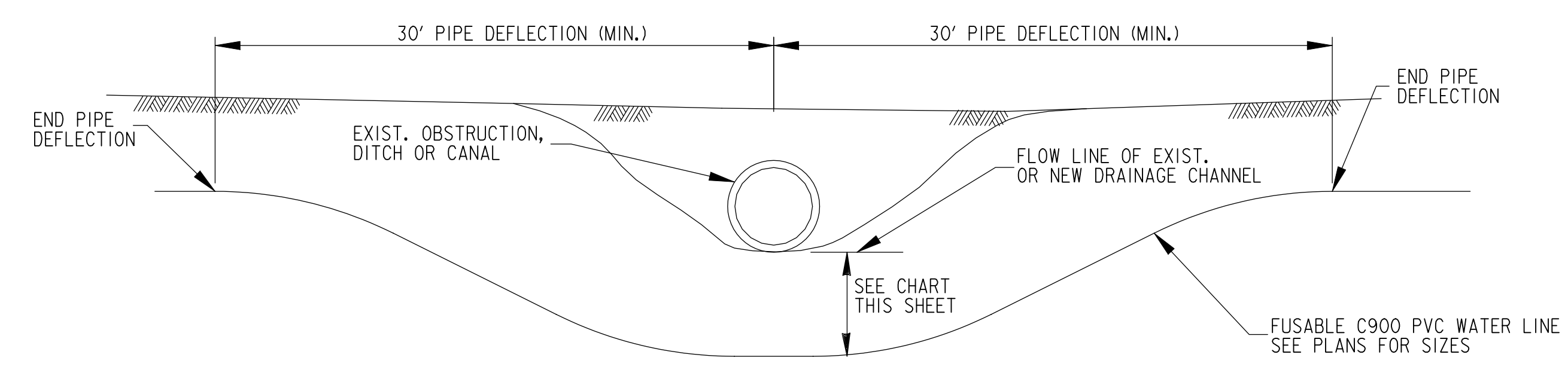


**4" DIA. TO 12" DIA. WATER LINE
CONFLICT DETAIL
(VERTICAL or HORIZONTAL)**
NO SCALE

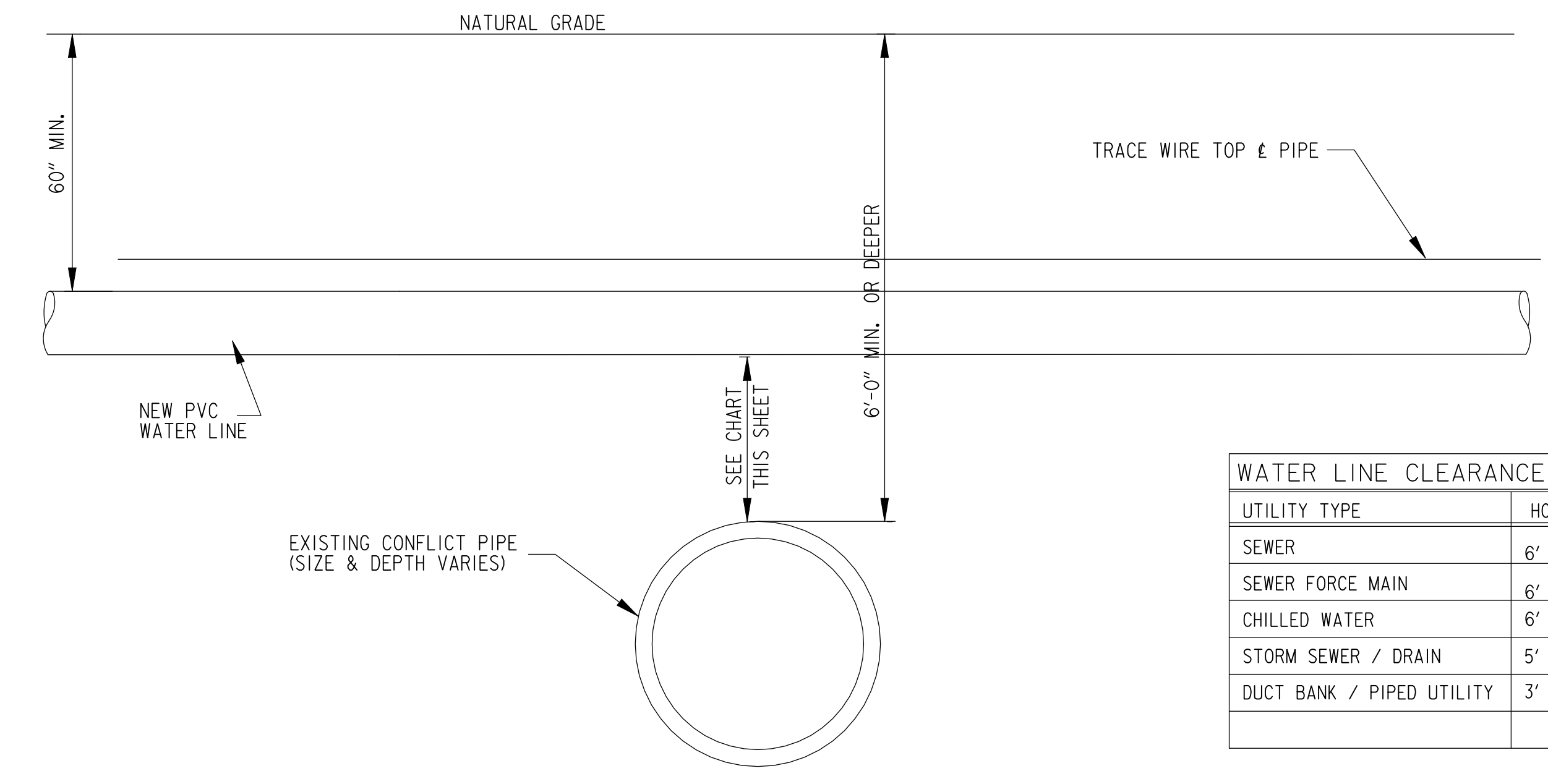


**WATER LINE CONFLICT
TO MECHANICAL JOINT TEE**
NO SCALE

- NOTES**
- Each Mechanical Joint fitting and/or Restraint Device shall be wrapped in 8 mil. polyethylene encasement (polywrap).
 - Thrust blocking will not be required to restrain Mechanical Joint fittings that are installed for water line conflicts.
 - Water line installation shall clear obstruction(s) by a distance of no less than one (1) foot - six (6) inches. Measurement shall be from outside face of obstruction to outside diameter of pipe being installed.
 - Contractor may use Fuseable Polyvinyl Chlorine (PVC) Pipe and Fittings to go under or around conflicts with Restraint Device(s). Connector for Polyvinyl Chlorine (PVC) Pipe to Mechanical Joint Fitting shall be a Ductile Iron Mechanical Joint Anchoring Kit manufactured by Independent Pipe Products (or approved equal) for 6" thru 12" Ductile Iron Pipe Size.
 - Contractor shall install #10 gauge, Type TW stranded copper wire along the top of PVC or PE pipe for detection purposes.



WATER LINE DEFLECTION DETAIL
NO SCALE



WATER LINE CLEARANCE CHART		
UTILITY TYPE	HORIZ.	VERTICAL
SEWER	10" 6" (MIN.)	18" (MIN.)
SEWER FORCE MAIN	10" 6" (MIN.)	18" (MIN.)
CHILLED WATER	6" (MIN.)	18" (MIN.)
STORM SEWER / DRAIN	5" (MIN.)	18" (MIN.)
DUCT BANK / PIPED UTILITY	3" (MIN.)	24" 18" (MIN.)

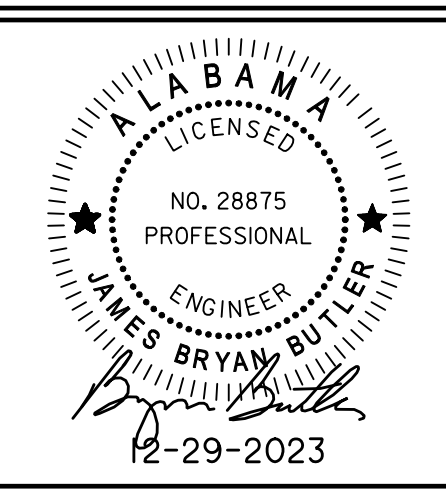
**PVC WATER LINE ADJUSTMENT FOR
CROSSING ABOVE CONFLICTS
6 FEET OR DEEPER**
NO SCALE

#	Revisions:	Date

CONSULTANTS:

APOGEE
Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420



PROJECT MANAGER

Ballard Project Number 224000

Ballard CLC, Inc.
Architects • Engineers • Surveyors
1009 Bayou Place
Alexandria, LA 71303
Tel. (318) 445-6571 Fax. (318) 448-0257

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: **PVC PIPE AT CONFLICTS CHANGE IN DIRECTION AND UNDER PAVEMENT DETAIL**

Location: TUSCALOOSA VA MEDICAL CENTER 3701 LOOP ROAD TUSCALOOSA, AL, 35404

Project Title: **CORRECT FAILING SANITARY SEWER, WATER MAIN, AND FIRE PROTECTION DEFICIENCIES**

Approved: [Signature]

Date: DEC. 29, 2023

Checked: BCLC

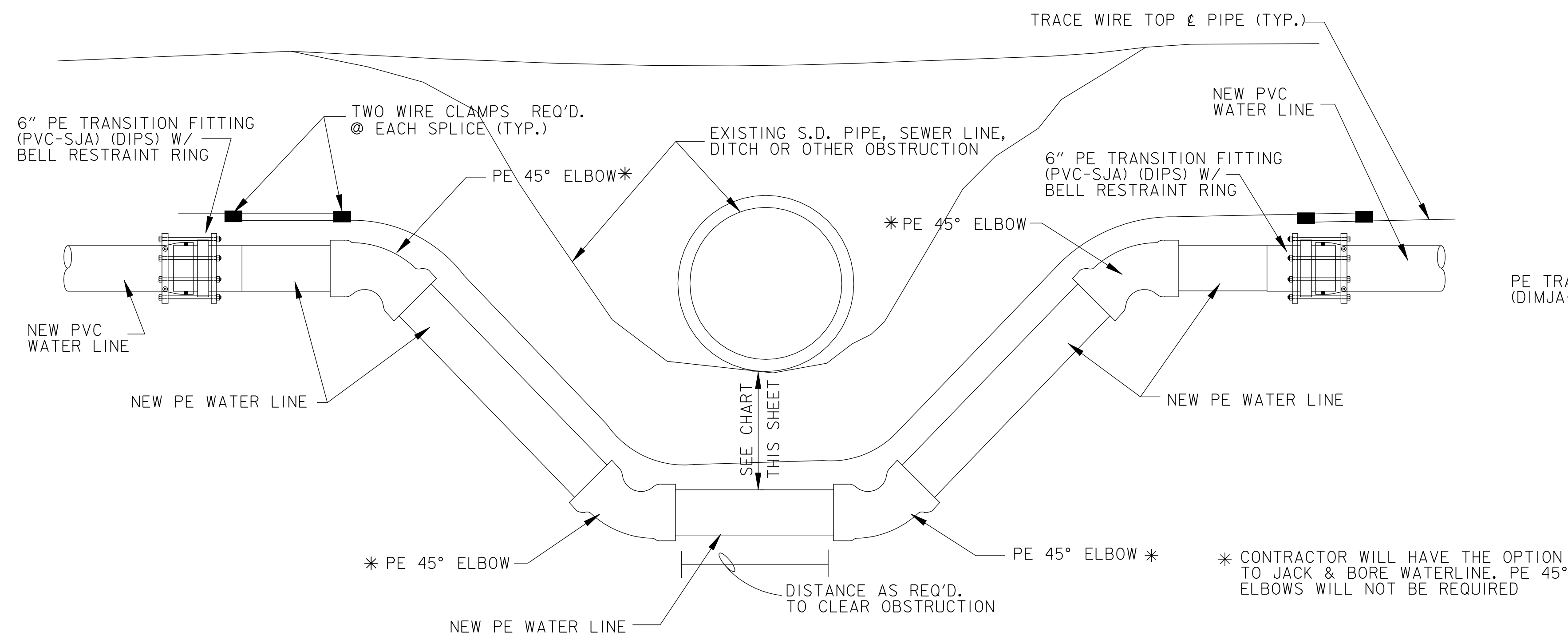
Drawn: BCLC

VA PROJECT NUMBER: **679-21-102**

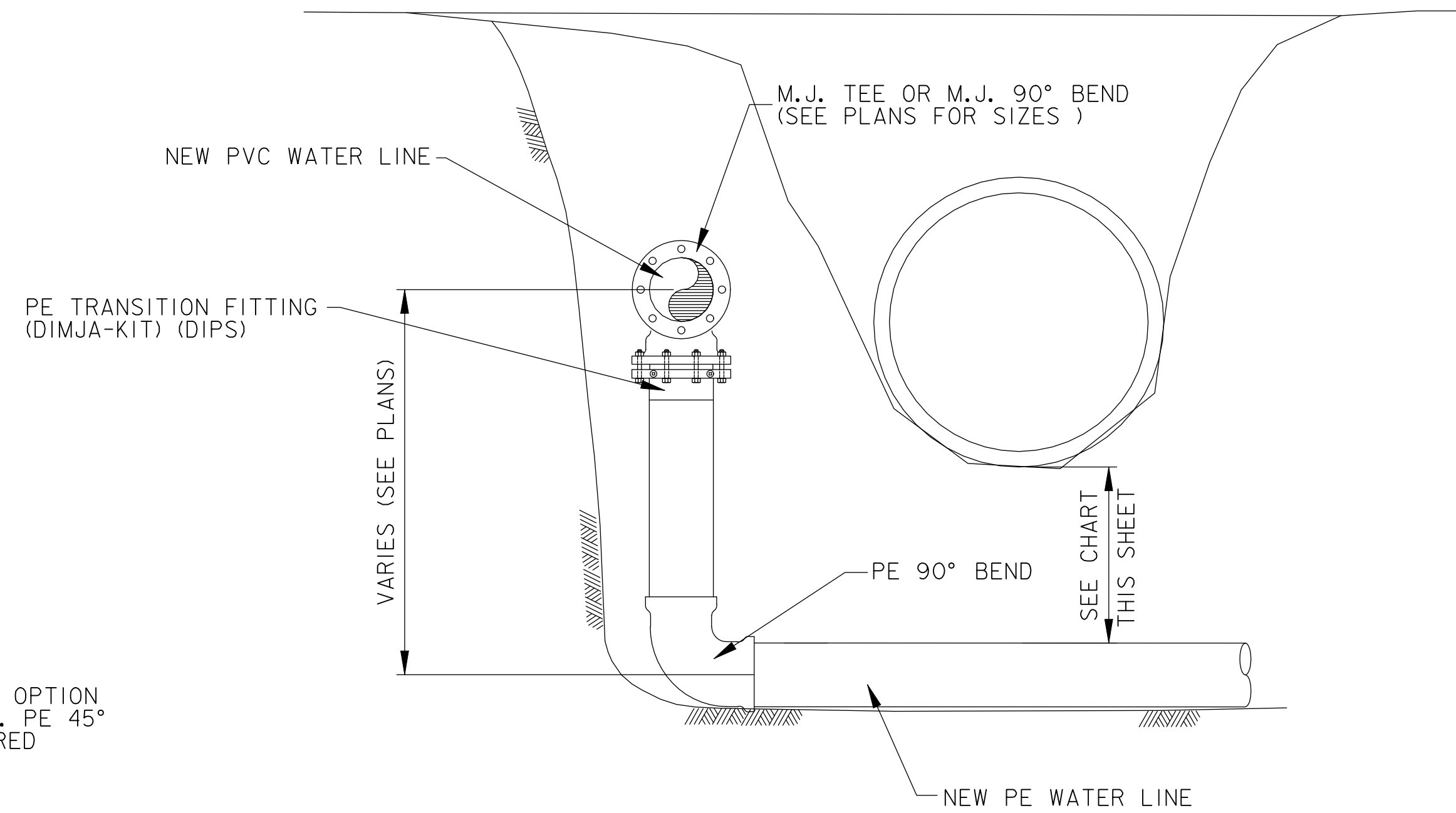
Building Number: **N/A**

Drawing Number: **C-301**

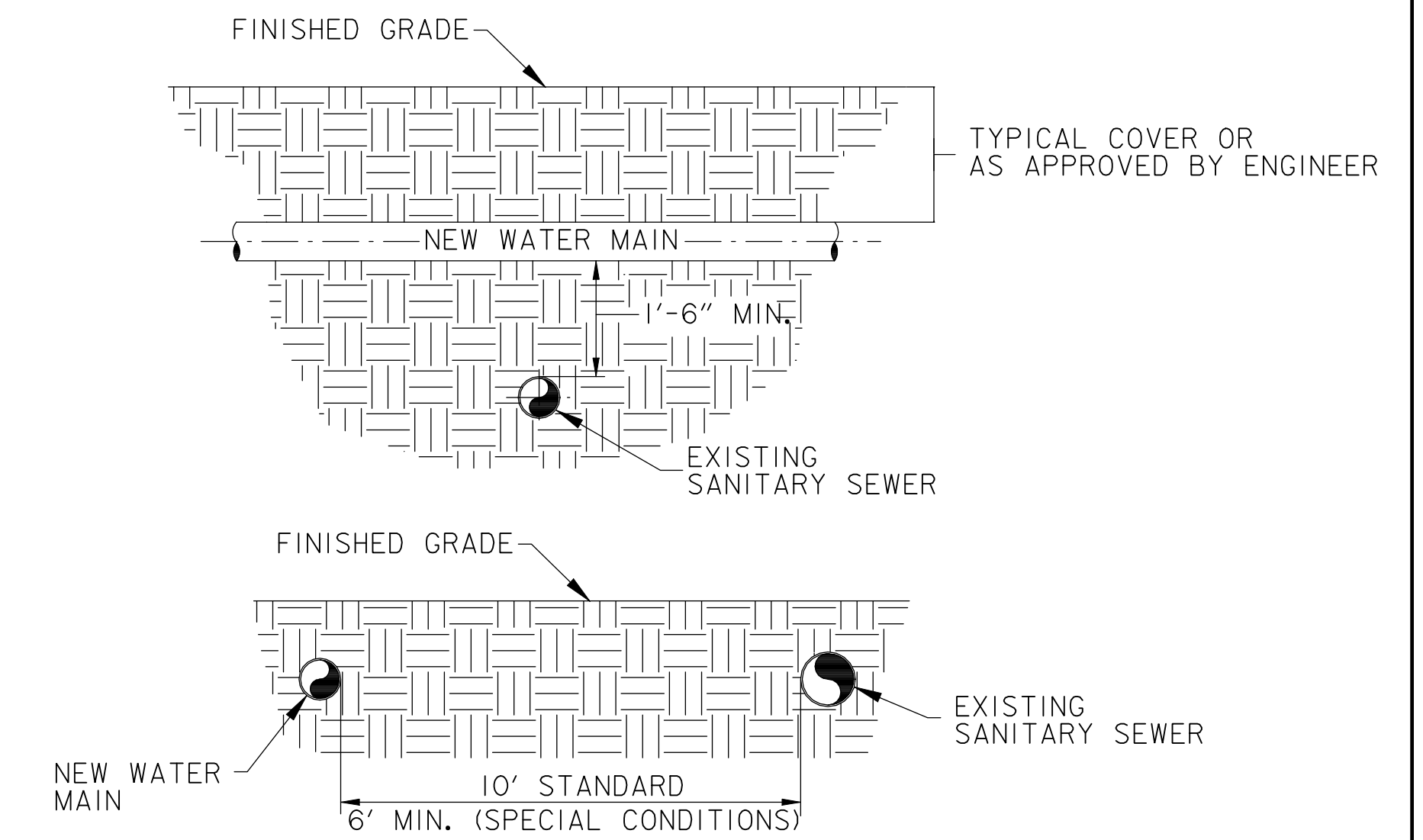
Dwg. 22 of 27



PE WATER LINE ADJUSTMENT
NO SCALE

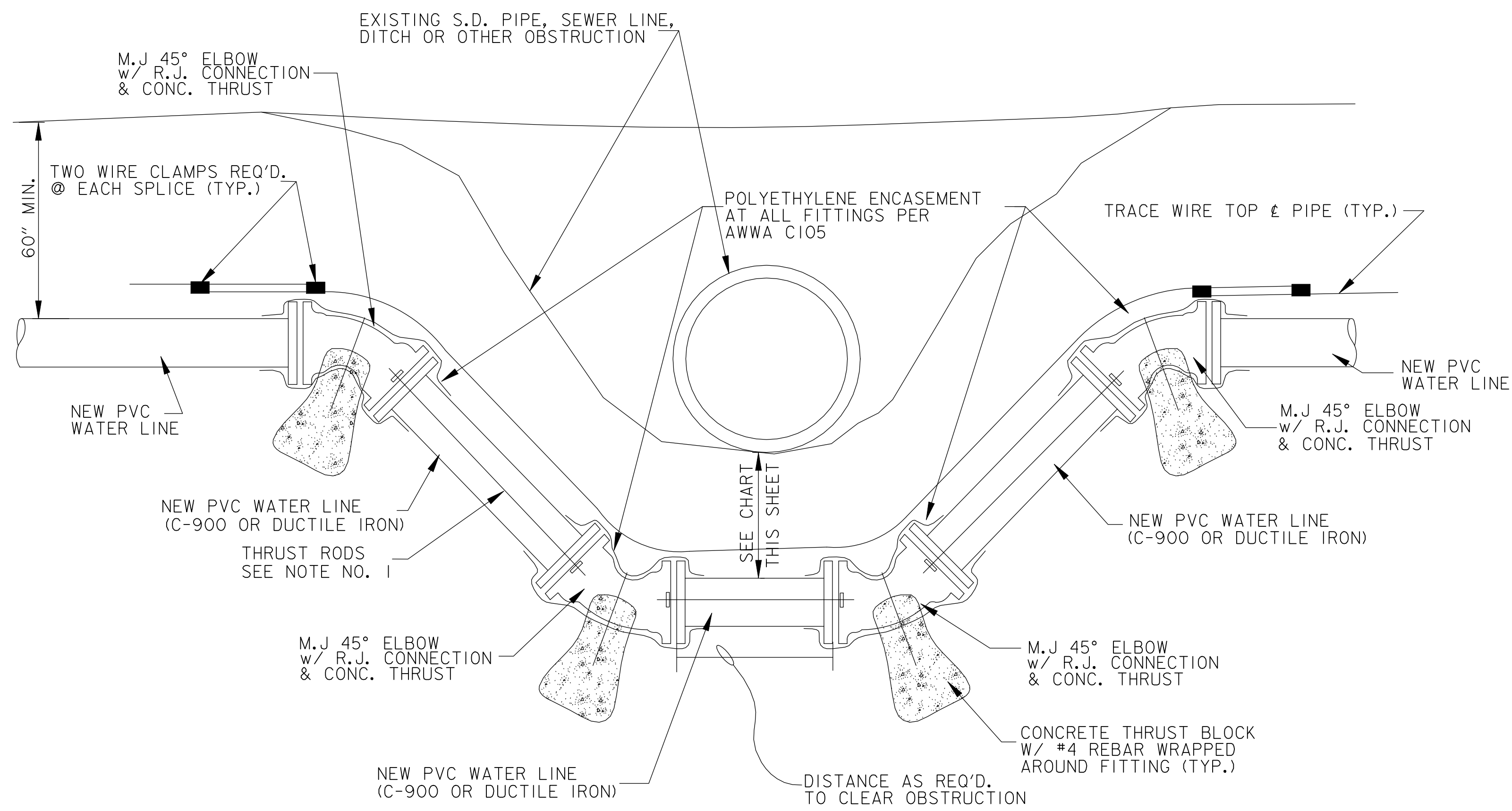


PE VERTICAL WATER LINE ADJUSTMENT
NO SCALE

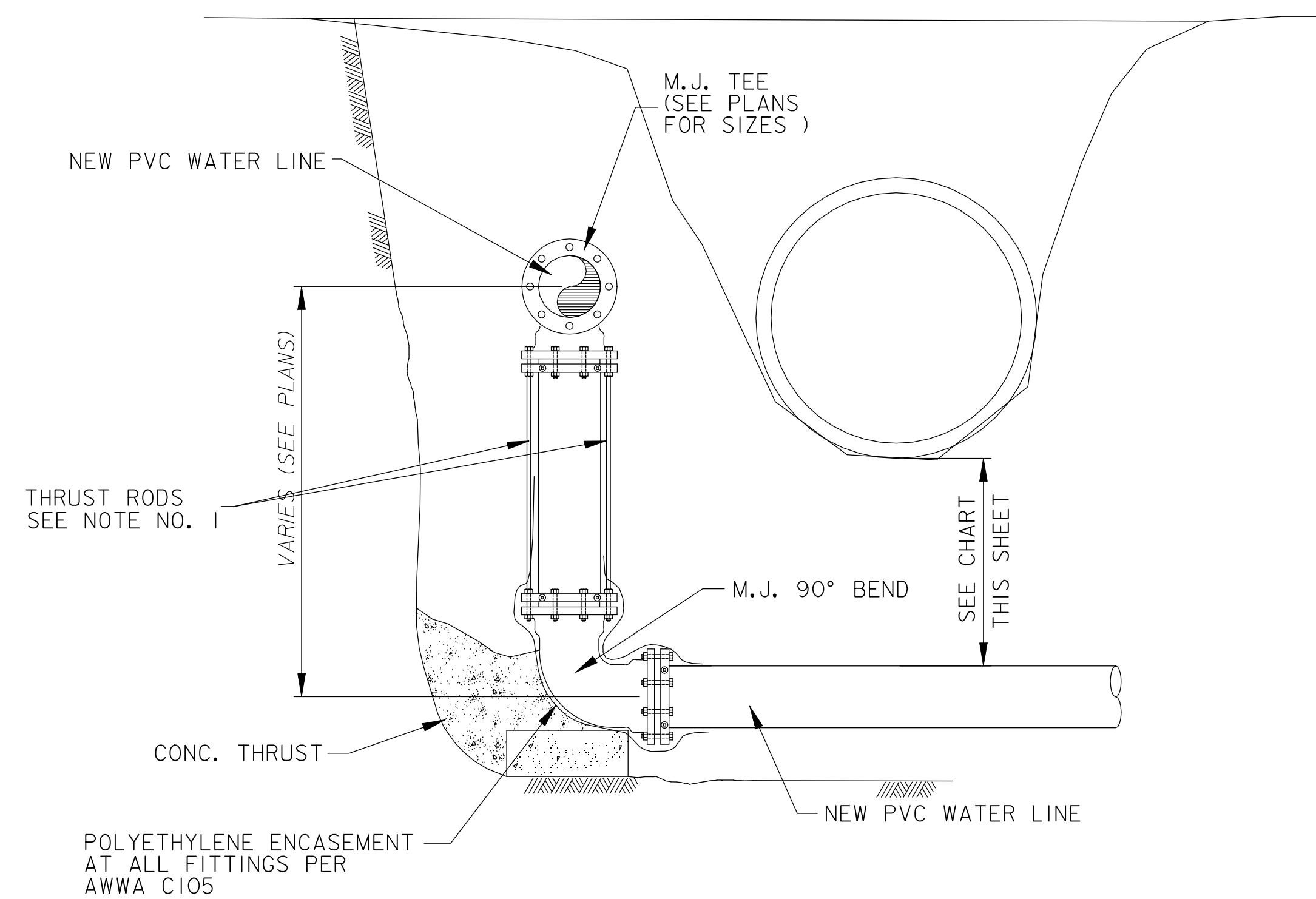


WATER / SANITARY SEWER CLEARANCES
NO SCALE

- NOTE:
- CONTRACTOR HAS OPTION OF PUTTING M.J FITTINGS WITH ALL THREAD RODS RUNNING FROM FITTING TO FITTING AND CONCRETE THRUST, OR M.J FITTINGS WITH MEGALUG RETAINER GLANDS AND CONCRETE THRUST OR EQUAL.
 - CONTRACTOR SHALL COORDINATE THIS WORK WITH LETON WATER SYSTEM.



PVC / D.I. WATER LINE ADJUSTMENT
NO SCALE



M.J. VERTICAL WATER LINE ADJUSTMENT
NO SCALE

WATER LINE CLEARANCE CHART		
UTILITY TYPE	HORIZ.	VERTICAL
SEWER	10' (MIN.)	18" (MIN.)
SEWER FORCE MAIN	6' (MIN.)	18" (MIN.)
CHILLED WATER	6' (MIN.)	18" (MIN.)
STORM SEWER / DRAIN	5' (MIN.)	18" (MIN.)
DUCT BANK / PIPED UTILITY	3' (MIN.)	24" (MIN.)

#	Revisions:	Date

CONSULTANTS:

APOGEE
Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

ALABAMA
NO. 28875
PROFESSIONAL
ENGINEER
JAMES BRYAN
12-29-2023

U.S. Department of Veterans Affairs

PROJECT MANAGER Ballard Project Number 224000

Ballard CLC, Inc.
Architects • Engineers • Surveyors
1009 Bayou Place
Alexandria, LA 71303
Tel. (318) 445-6571 Fax. (318) 448-0257

Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title
PVC WATER LINE ADJUSTMENT DETAILS

Location
TUSCALOOSA VA MEDICAL CENTER
3701 LOOP ROAD
TUSCALOOSA, AL, 35404

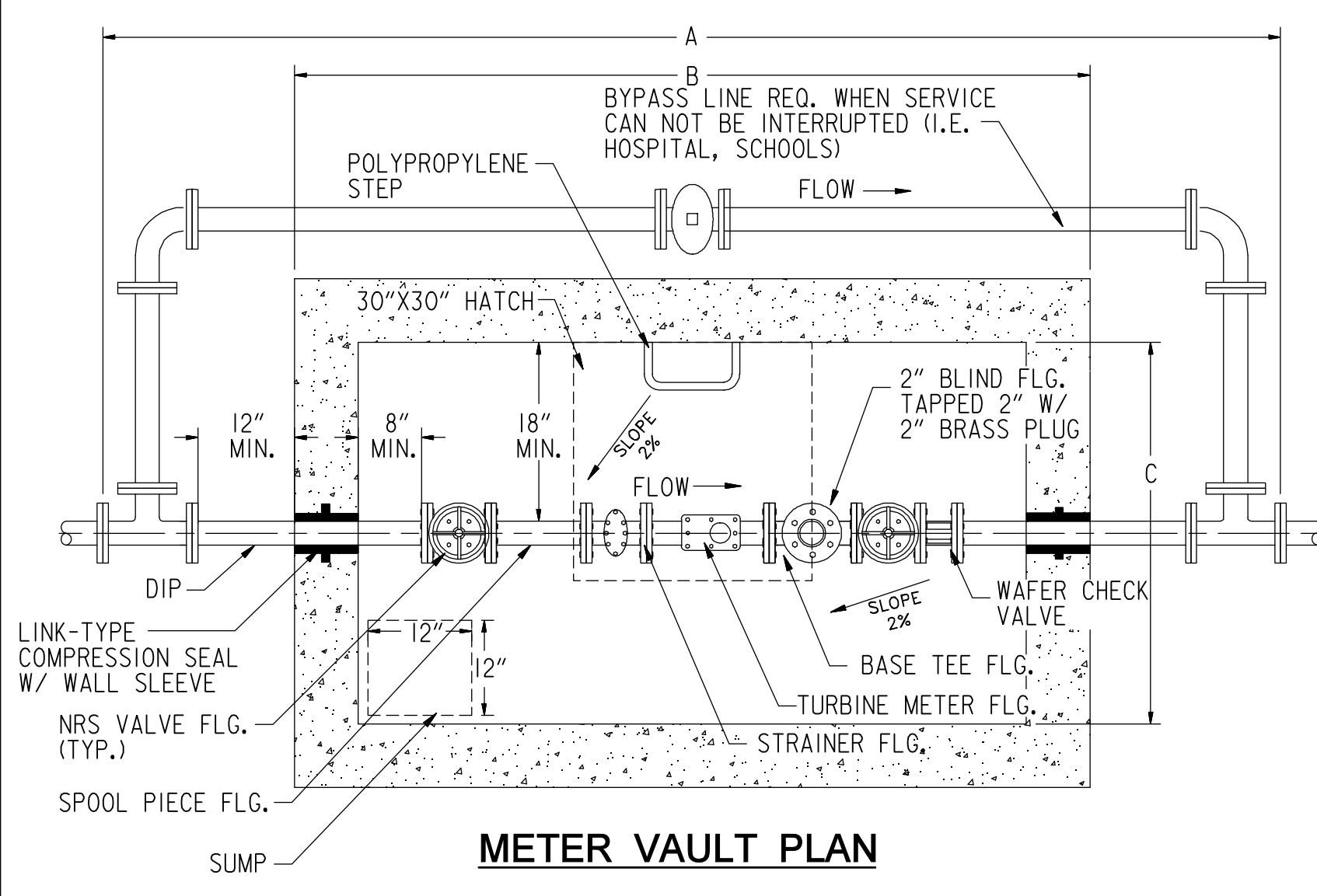
Project Title
CORRECT FAILING SANITARY SEWER, WATER MAIN, AND FIRE PROTECTION DEFICIENCIES

Approved
Date: DEC. 29, 2023
Checked: BCLC
Drawn: BCLC

VA PROJECT NUMBER
679-21-102

Building Number
N/A

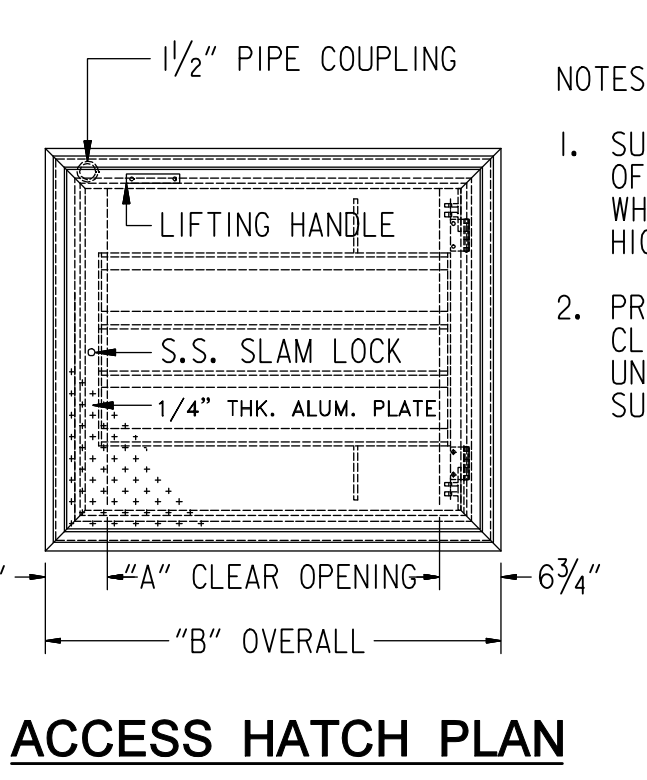
Drawing Number
C-302
Dwg. 23 of 27



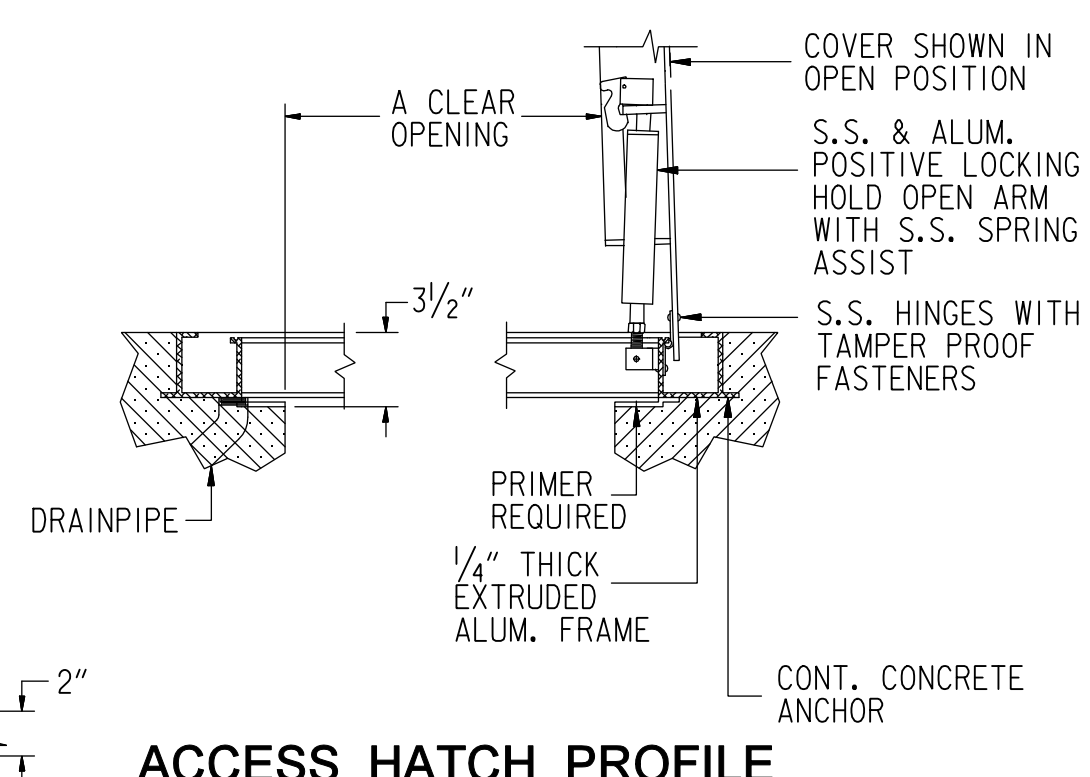
METER VAULT PLAN

METER SIZE	A	B	C	D
3"	12'-4"	7'-0"	4'-0"	8"
4"	12'-4"	7'-0"	4'-0"	8"
6"	12'-4"	7'-0"	4'-0"	8"
8"	12'-4"	7'-0"	4'-0"	8"
10"	12'-4"	7'-0"	4'-0"	8"
12"	12'-4"	7'-0"	4'-0"	8"
>12"				

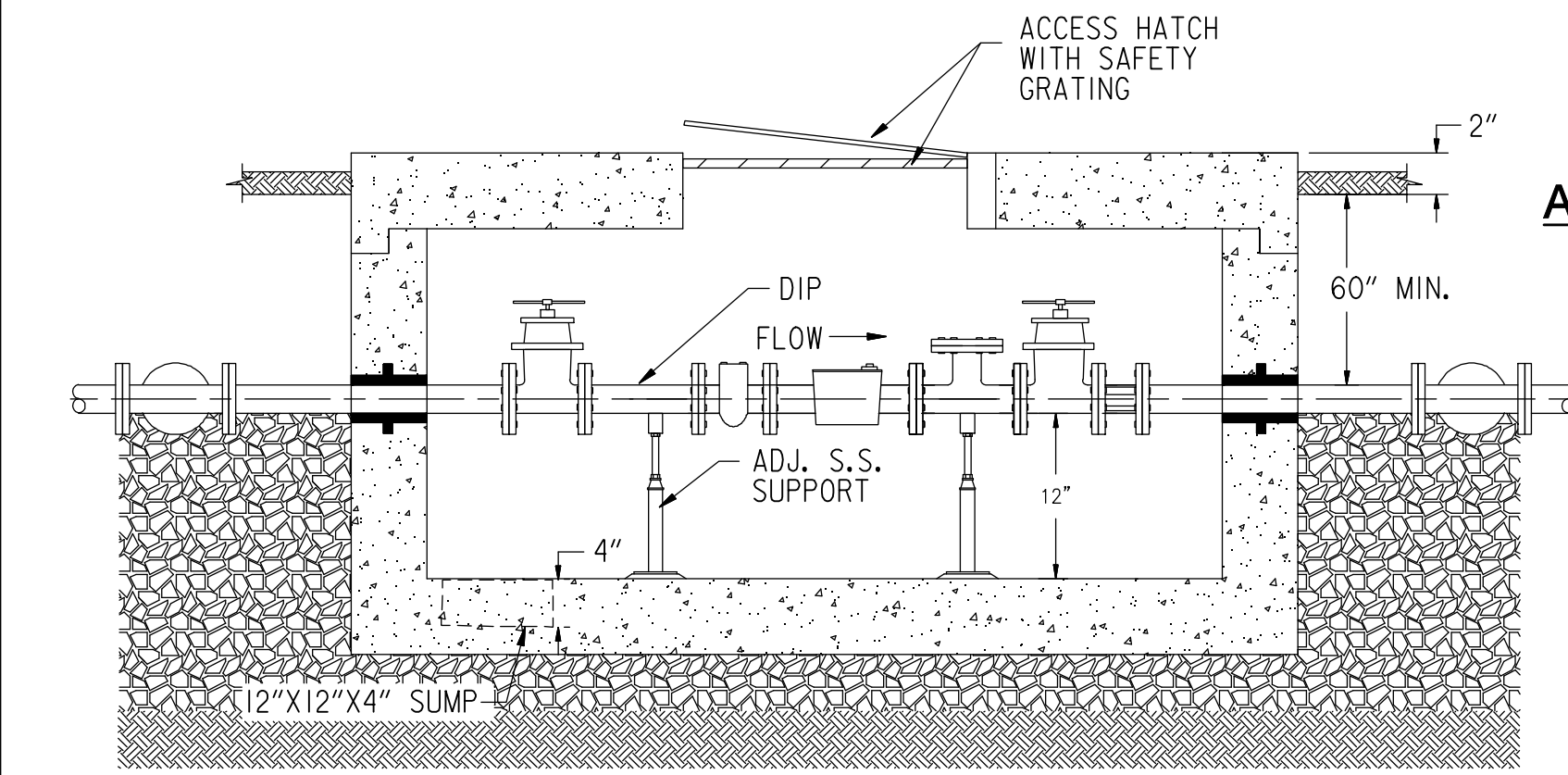
MODEL NO.	A	B	C	D	UNIT WT.
HIW3030	30"	42-1/2"	30"	37-1/2"	104 LBS



ACCESS HATCH PLAN



ACCESS HATCH PROFILE

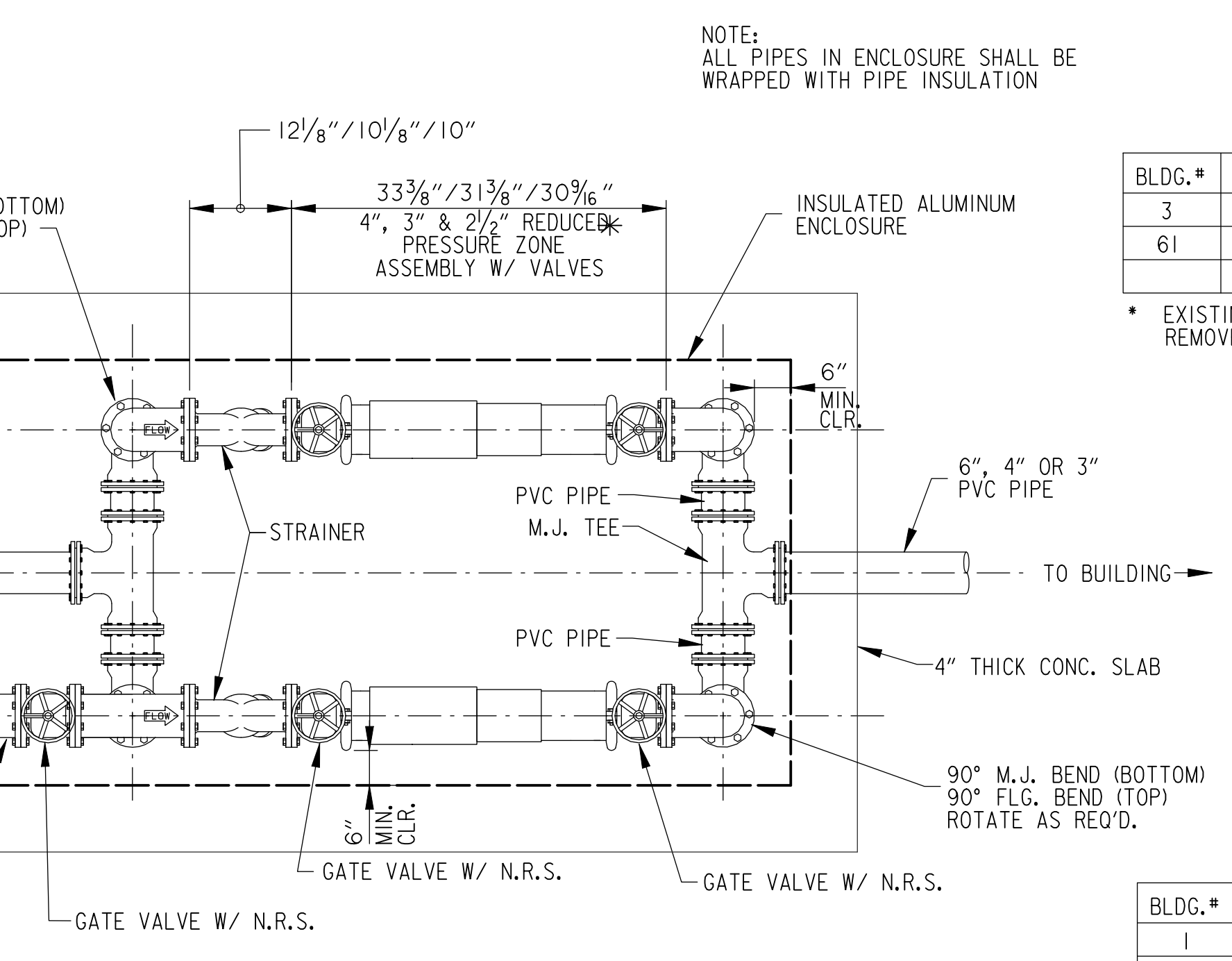


METER VAULT ELEVATION

- CONCRETE STRUCTURE NOTES:**
- PRECAST CONCRETE METER VAULT SHALL BE DESIGNED FOR THE FOLLOWING CONDITIONS STATED BELOW (1.1 THROUGH 1.5). SUBMIT CALCULATIONS TO THE ENGINEER FOR REVIEW. ALL CALCULATIONS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF ALABAMA. 1.1. STRUCTURE FILLED TO TOP WITH NO EXTERNAL SOIL PRESSURE. 1.2. STRUCTURE EMPTY WITH SOIL BACKFILL TO FINISHED GRADE. ASSUME SOIL DRY DENSITY AT 95 LBS/C.F. ASSUME SOIL SATURATED TO FINISHED GRADE. 1.3. STRUCTURE SHALL NOT FLOAT WITH SATURATED SOIL TO FINISHED GRADE. ASSUME SOIL LOAD ON CONCRETE LIP AT 32 LBS/C.F. A SAFETY FACTOR OF 1.5 SHALL BE PROVIDED IN THE FLOATATION CALCULATIONS. 1.4. SOIL BEARING PRESSURE OF 2,500 PSI. 1.5. EFFECTS OF ALL VERTICAL LOADS ANTICIPATED ON THE FINISHED STRUCTURE SHALL BE INCLUDED IN THE ANALYSIS AND DESIGN. LOADING FROM PIPING AND EQUIPMENT ON THE HOIST, SUPERSTRUCTURES, SNOW, H-20 LIVE LOAD, AND ACTUAL DEPTH OF SOIL COVER SHALL BE INCLUDED.
 - PRECAST VAULT STEPS SHALL BE MADE OF POLYPROPYLENE ENCASED STEEL AS MANUFACTURED BY M.A. INDUSTRIES AND SHALL CONFORM TO ASTM C478.
 - THE EXTERIOR OF ALL PRECAST PRODUCTS SHALL BE COATED WITH TWO COATS OF BITUMASTIC PAINT, 16 TO 20 MIL DFT, TO FINISH GRADE USE PROMASTIC 900 COAL TAR WATERPROOFING MANUFACTURED BY PROGUARD COATING, INC., OR APPROVED EQUAL.
 - ALL ALUMINUM IN CONTACT WITH CONCRETE SHALL BE PAINTED WITH 2 COATS OF COAL TAR EPOXY OR ISOLATED FROM THE CONCRETE WITH 1/8" THICK NEOPRENE PADDING. ALL STEEL THRUST RESTRAINT ANGLES SHALL BE WIRE BRUSHED AND PAINTED WITH 2 COATS OF COAL TAR EPOXY.
 - ALL PIPE COUPLINGS IN CONTACT WITH SOIL SHALL BE WIRE BRUSHED AND PAINTED WITH 2 COATS OF COAL TAR EPOXY.
 - ALL CONCRETE ANCHORS AND HARDWARE SHALL BE STAINLESS STEEL.
 - PROVIDE COMMON KEYS FOR ALL HATCHES, PANELS, DOORS AND QUICK DISCONNECT CAPS ASSOCIATED WITH THIS PROJECT.
 - ALL CONCRETE STRUCTURES SHALL BE CONSTRUCTED WATERTIGHT. ALL STRUCTURES SHALL BE WATERTIGHT AND SHALL BE TESTED FOR WATER TIGHTNESS BY FILLING PRECAST STRUCTURE WITH WATER PRIOR TO BACK FILLING. AN ACCEPTABLE LEAKAGE IS DEFINED AS A LOSS OF LESS THAN 1/2" IN 24 HOURS AND NO VISIBLE LEAKS. REPAIR OF LEAKS IS REQUIRED USING METHODS APPROVED BY THE VA.
 - DUAL SEAL II GASKETS DISTRIBUTED BY DUEL SEAL CORP., OR APPROVED EQUAL.
 - SHALL MEET ASTM C923 REQUIREMENTS.
 - JOINTS IN STRUCTURE SHALL BE SEALED WITH BITUMEN CONSEAL. CS-102-B JOINT SEALANT MATERIAL MANUFACTURED BY CONCRETE SEALANTS, INC.
 - CONCRETE STRUCTURES SHALL MEET THE REQUIREMENTS OF ASTM C478.
 - CONCRETE f_c 3,500 PSI AT 28 DAYS. TYPE III CEMENT. A1 ENTRAINMENT 7% ± 2%. ASTM C33 NO.57 OR NO.67 COURSE AGGREGATE.
 - REINFORCEMENT: WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 BAR REINFORCEMENT SHALL BE GRADE 60. CONFORMING TO ASTM A615.
 - VERTICAL BAR REINFORCEMENT REQUIRED BETWEEN BASE SLAB AND FIRST VERTICAL SECTION OF STRUCTURE.

- WATER METER NOTES:**
- ALL PIPE AND FITTINGS TO BE THE SAME SIZE AS THE METER. REDUCERS ARE PERMITTED ONLY WITH PRIOR AUTHORIZATION FROM ENGINEER.
 - ALL PIPING BETWEEN THE TEES UPSTREAM AND DOWNSTREAM OF THE METER SHALL BE DUCTILE IRON PIPE.
 - NEWLY CONSTRUCTED WATER LINES SHALL BE DISINFECTED IN ACCORDANCE WITH VA SPECIFICATIONS.
 - WATER METERS 1/2" AND GREATER SHALL BE NEPTUNE OR PRIOR APPROVED EQUAL.
 - TRACER WIRE REQUIRED FROM EXISTING WATER MAIN TO METER VAULT.
 - ROUND METER VAULTS MAY BE SUBMITTED AS AN ALTERNATE TO THE DEPICTED RECTANGULAR BOX. MINIMUM CLEARANCE SHALL STILL BE PROVIDED.
 - THRUST BLOCKS REQUIRED ON ALL BYPASS LINE FITTINGS.

- ACCESS HATCH NOTES:**
- PROVIDE AN HIW SERIES (SINGLE LEAF) ACCESS FRAME AND COVER WITH SAFETY GRATED. AS MANUFACTURED BY HALLIDAY PRODUCTS, OR APPROVED EQUAL.
 - FRAME AND COVER SHALL HAVE A 1/4" THICK, ONE-PIECE, MILL FINISH, EXTRUDED ALUMINUM CHANNEL FRAME. INCORPORATING A CONTINUOUS CONCRETE ANCHOR. A 1/2" DRAINAGE COUPLING SHALL BE LOCATED IN THE FRONT LEFT CORNER OF THE CHANNEL FRAME. THE INSIDE OF THE FRAME SHALL HAVE A DOOR SUPPORT LEDGE ON TWO (2) SIDES.
 - BOTH FRAME AND LEDGE SHALL BE SUPPORTED BY A FULL BED OF CLASS A CONCRETE.
 - THE DOOR PANEL SHALL BE 1/4" ALUMINUM DIAMOND PLATE, REINFORCED TO WITHSTAND A LIVE LOAD OF THE H-20 DESIGNATION.
 - DOOR SHALL OPEN TO 90 DEGREES AND AUTOMATICALLY LOCK WITH A STAINLESS STEEL HOLD OPEN ARM WITH ALUMINUM RELEASE HANDLE.
 - FOR EASE OF OPERATION, DOOR SHALL INCORPORATE ENCLOSED STAINLESS STEEL COMPRESSION SPRING ASSIST. DOOR SHALL CLOSE FLUSH WITH THE FRAME.
 - HINGES AND ALL FASTENING HARDWARE SHALL BE STAINLESS STEEL.
 - UNIT SHALL LOCK WITH STAINLESS STEEL SLAM LOCK WITH REMOVABLE KEY AND HAVE A NON-CORROSIVE HANDLE.
 - UNIT SHALL BE GUARANTEED AGAINST DEFECTS IN MATERIAL AND/OR WORKMANSHIP FOR A PERIOD OF 10 YEARS.



**PLAN VIEW
3", & 2 1/2" RPZ BACKFLOW PREVENTION
ASSEMBLY W/ GATE VALVES**

NO SCALE

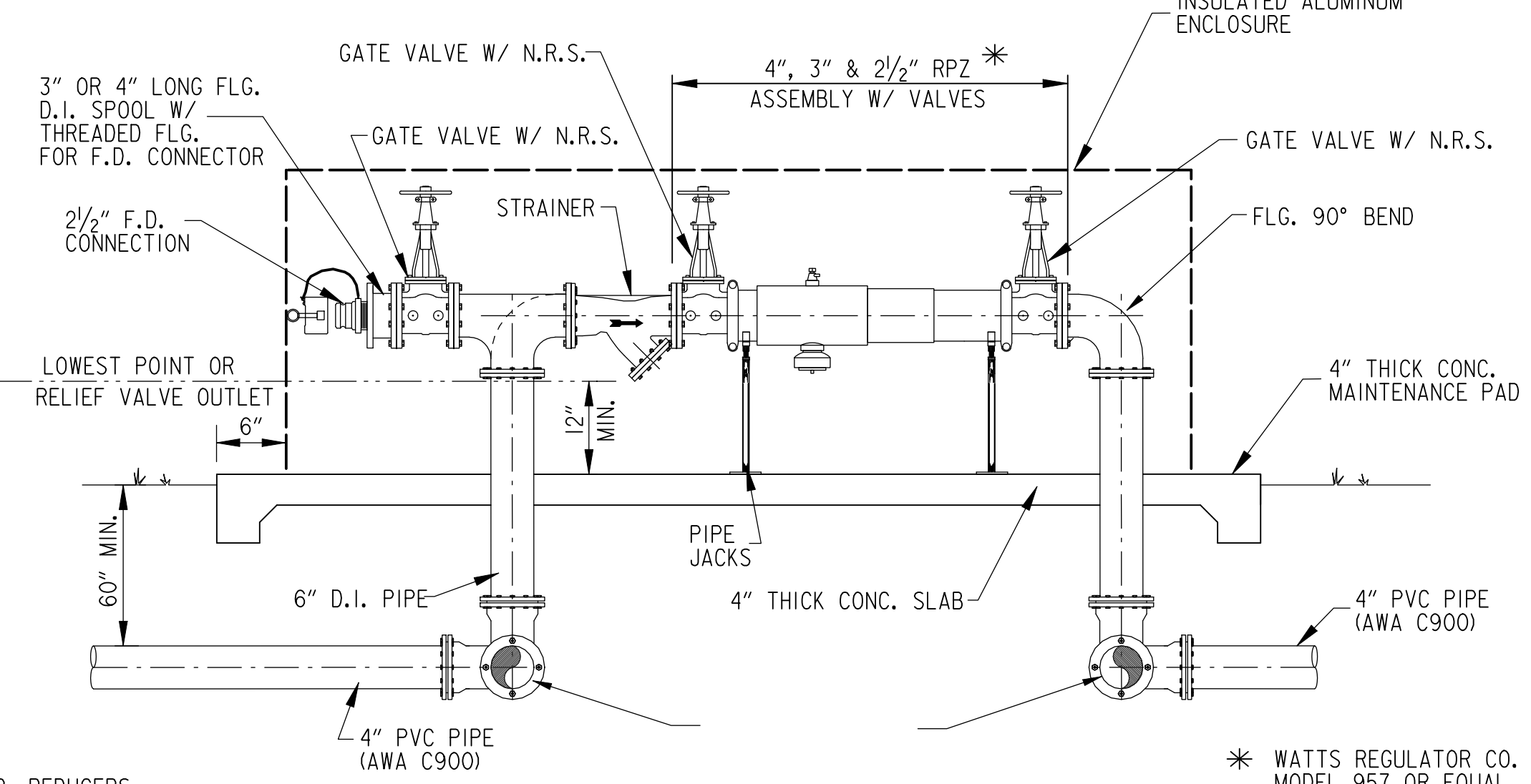
NOTE: CONTRACTOR SHALL INSTALL ANY MISC. ITEMS / FITTINGS AS NEEDED TO COMPLETE THIS INSTALLATION PER VA & MFR REQUIREMENTS

BLDG.#	SIZE	RPZ Model#	*Req'd.
3	3"	957	2
61	6"	.	.

* EXISTING - MAINTENANCE REQ'D. REMOVE SILT FROM VAULT

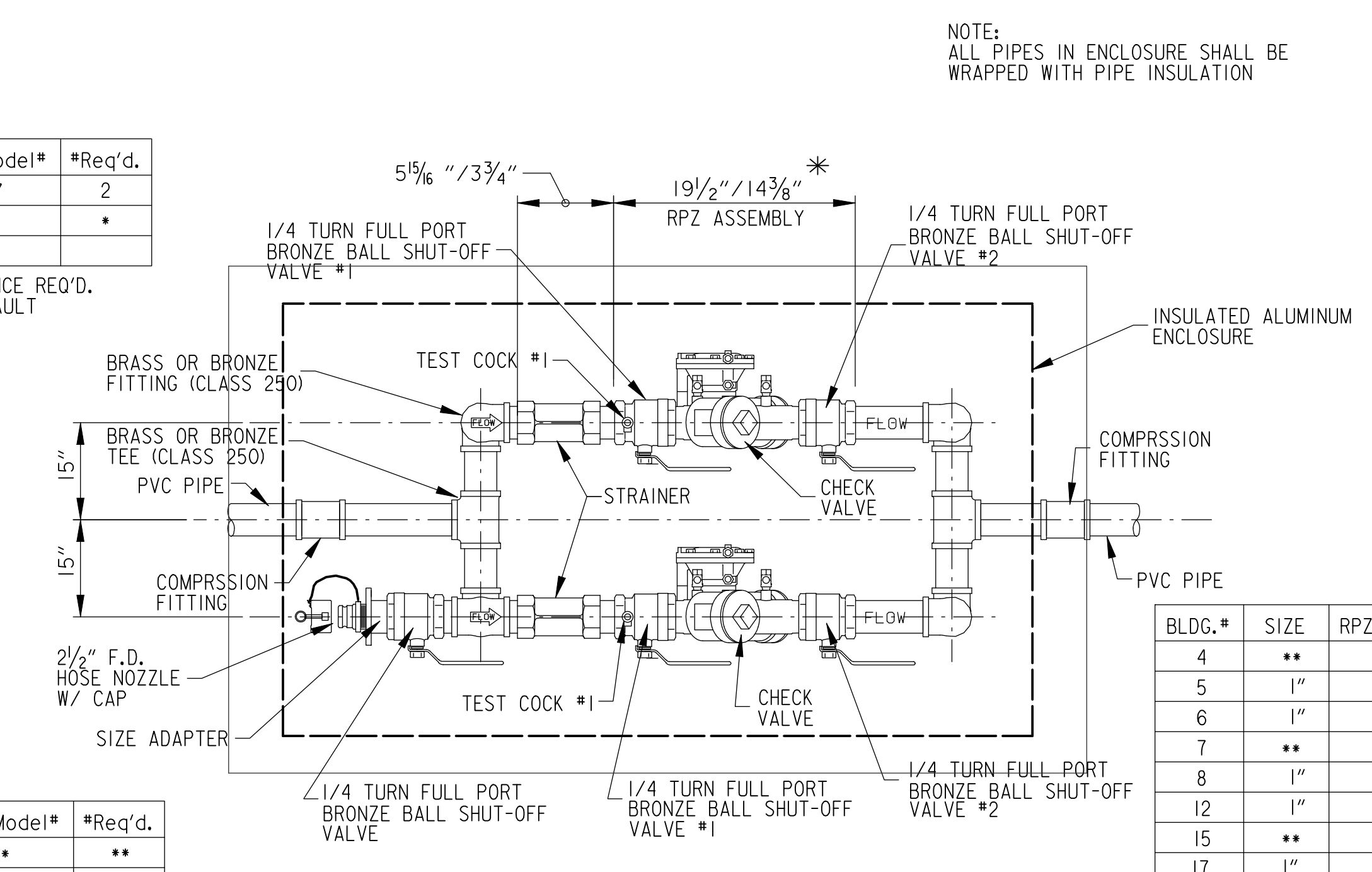
BLDG.#	SIZE	RPZ Model#	*Req'd.
1	4"	**	**
2	4"	**	**
18	4"	**	**
38	2 1/2"	957	2
39	4"	**	**
40	4"	**	**
135	2 1/2"	957	2
137	3"	**	**
138	3"	**	**
145	3"	**	**
147	3"	**	**
149	3"	**	**

** EXISTING - LEAVE AS IS NO WORK



**ELEVATION VIEW
3", & 2 1/2" RPZ BACKFLOW PREVENTION
ASSEMBLY W/ GATE VALVES**

NO SCALE



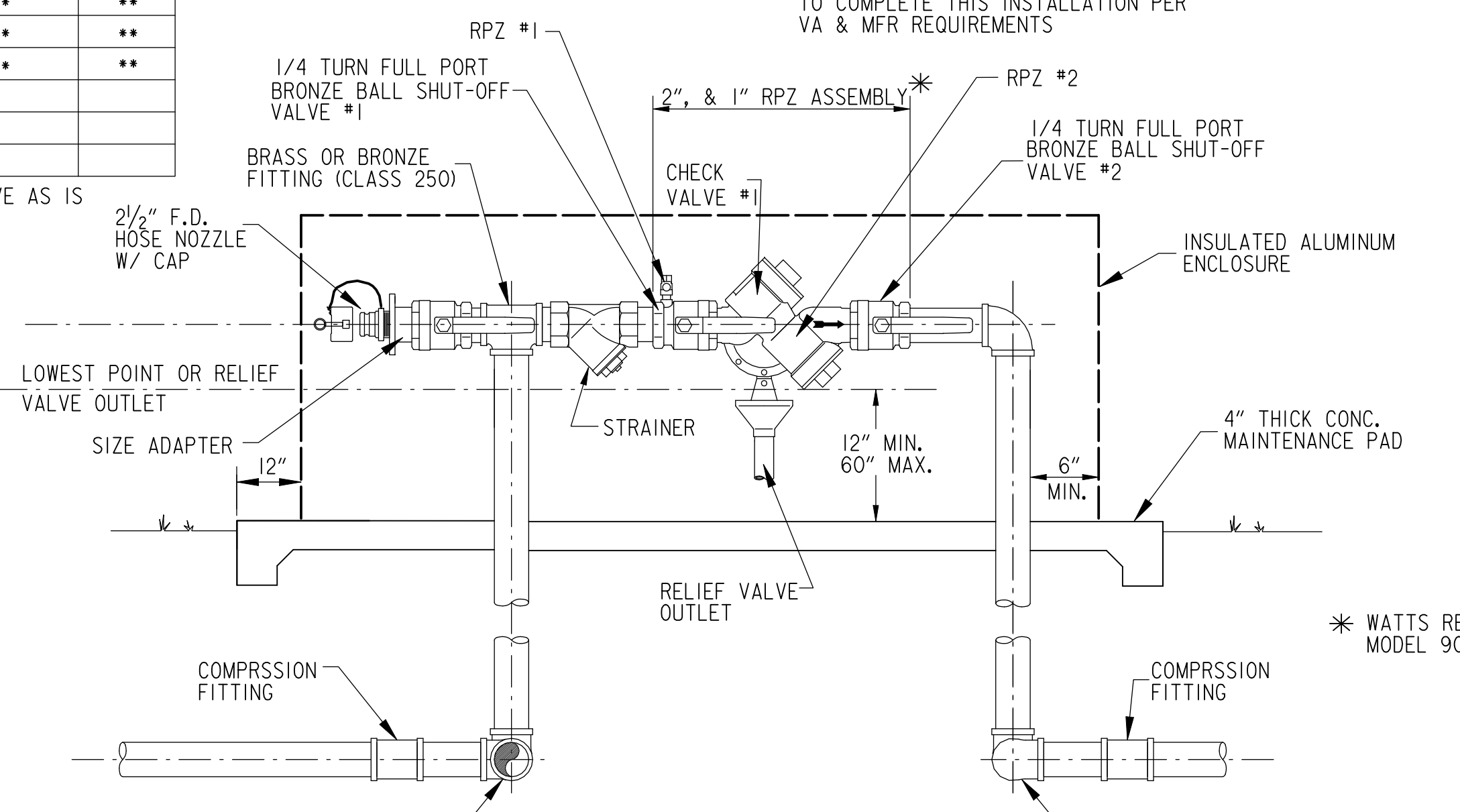
**PLAN VIEW
2" OR 1" RPZ BACKFLOW PREVENTION
ASSEMBLY W/ GATE VALVES**

NO SCALE

NOTE: CONTRACTOR SHALL INSTALL ANY MISC. ITEMS / FITTINGS AS NEEDED TO COMPLETE THIS INSTALLATION PER VA & MFR REQUIREMENTS

BLDG.#	SIZE	RPZ Model#	*Req'd.
4	**	**	**
5	1"	909M1	2
6	1"	909M1	2
7	**	**	**
8	1"	909M1	2
12	1"	909M1	2
15	**	**	**
17	1"	909M1	2
33	2"	909M1	2
41	**	**	**
46	1"	909M1	2
63	1"	909M1	2
143	1"	909M1	2
146	1"	909M1	2

** EXISTING - LEAVE AS IS NO WORK



**ELEVATION VIEW
2" OR 1" RPZ BACKFLOW PREVENTION
ASSEMBLY W/ GATE VALVES**

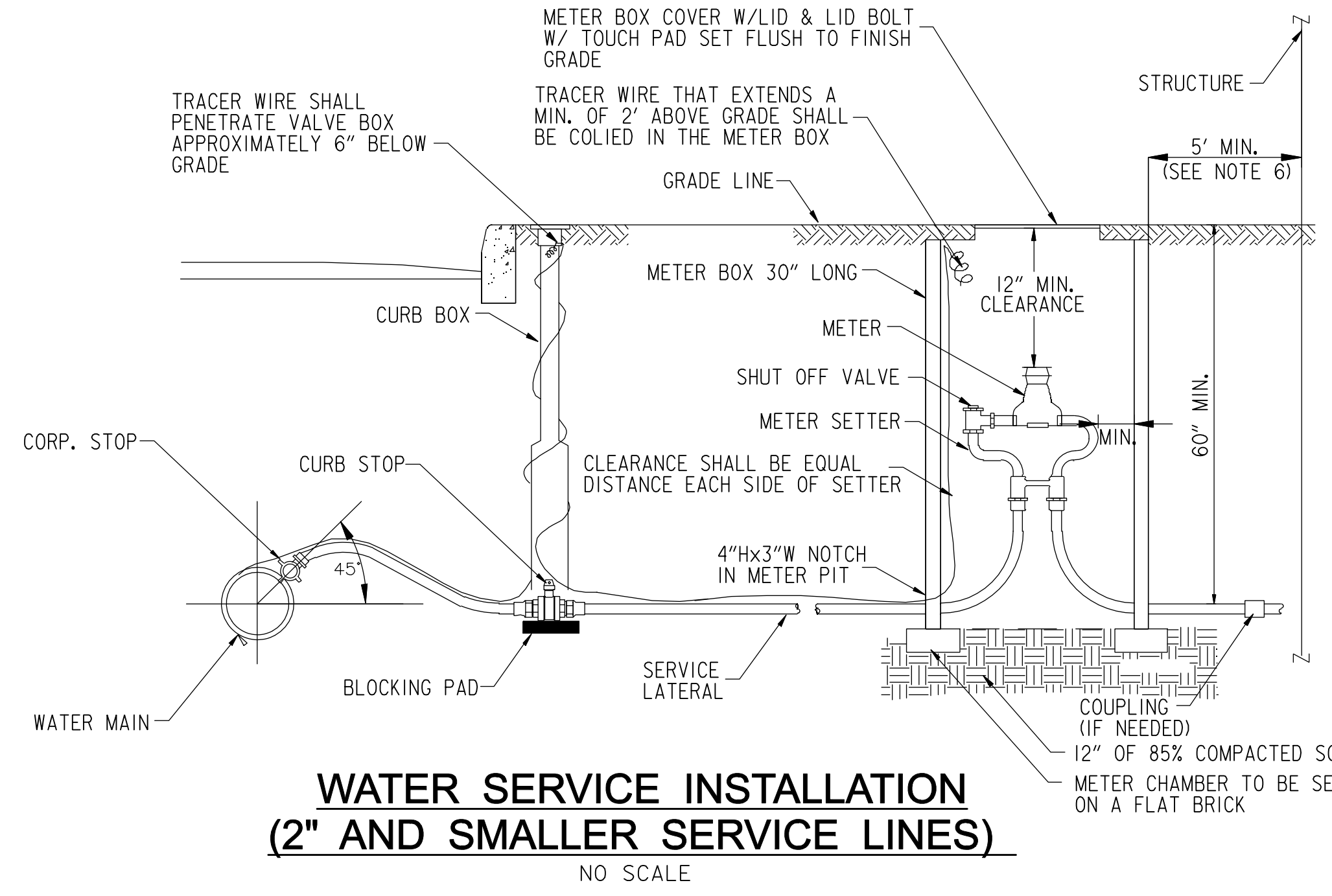
NO SCALE

* WATTS REGULATOR CO. MODEL 909M1 OR EQUAL

WATER METER CHART

BLDG.#	SIZE	BLDG.#	SIZE
1	2"	40	1 1/2"
2	1"	41	5/8"
3	1 1/2"	46	3/4"
4	3/4"	61	1 1/2"
5	3/4"	63	3/4"
6	5/8"	135	1 1/2"
7	5/8"	137	3"
8	5/8"	138	5/8"
12	3/4"	143	3/4"
15	5/8"	144	3/4"
17	5/8"	145	3/4"
18	3/4"	146	5/8"
33	1"	147	5/8"
38	1 1/2"	149	3/4"
39	1 1/2"		

METER SIZE	NORMAL OPERATING RANGE	80% CAPACITY (GPM)
5/8"	0.1 - 20 GPM	16
3/4"	0.1 - 35 GPM	28
1"	0.4 - 55 GPM	44
1 1/2"	0.8 - 125 GPM	100
2"	1.5 - 160 GPM	128
3"	0.75 - 500 GPM	400
4"	1.5 - 1250 GPM	1000



**WATER SERVICE INSTALLATION
(2" AND SMALLER SERVICE LINES)**

NO SCALE

- NOTES:**
- CENTER METER IN BOX, MIN 3" CLEARANCE ON ALL SIDES.
 - TRENCH, INSTALL, AND BACKFILL SERVICE LINE IN ACCORDANCE WITH VA SPECIFICATIONS.
 - SERVICE LINE MATERIALS SHALL MEET VA SPECIFICATIONS.
 - PROVIDE TRACE WIRE ALONG WATER SERVICE LINE. TRACE WIRE SHALL EXTEND INTO THE CURB BOX AND METER PIT AND TERMINATE IN THE METER PIT.
 - IF WATER SERVICE BETWEEN MAIN AND WATER METER IS REPLACED WITH NON-METALLIC PIPING, THERE SHALL BE A MINIMUM LENGTH OF TEN (10) FT. OF METALLIC PIPING BETWEEN THE BUILDING STRUCTURE AND METER PIT TO MAINTAIN PROPER GROUNDING OF BUILDING'S ELECTRICAL SYSTEM.

CONSULTANTS:

Headquarters:
APOGEE Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511

www.acg-pa.com 919-858-7420

PROFESSIONAL ENGINEER
NO. 28875
JAMES BRAY
12-29-2023

PROJECT MANAGER

Ballard Project Number 224000

Ballard CLC, Inc.
Architects • Engineers • Surveyors
1009 Bayou Place
Alexandria, LA 71303
Tel. (318) 445-6571 Fax. (318) 448-0257

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

BACKFLOW PREVENTION & METER DETAILS

Location

TUSCALOOSA VA MEDICAL CENTER
3701 LOOP ROAD
TUSCALOOSA, AL, 35404

Project Title

CORRECT FAILING SANITARY SEWER, WATER MAIN, AND FIRE PROTECTION DEFICIENCIES

Approved

Date

DEC. 29, 2023

Checked

BCLC

Drawn

BCLC

VA PROJECT NUMBER

679-21-102

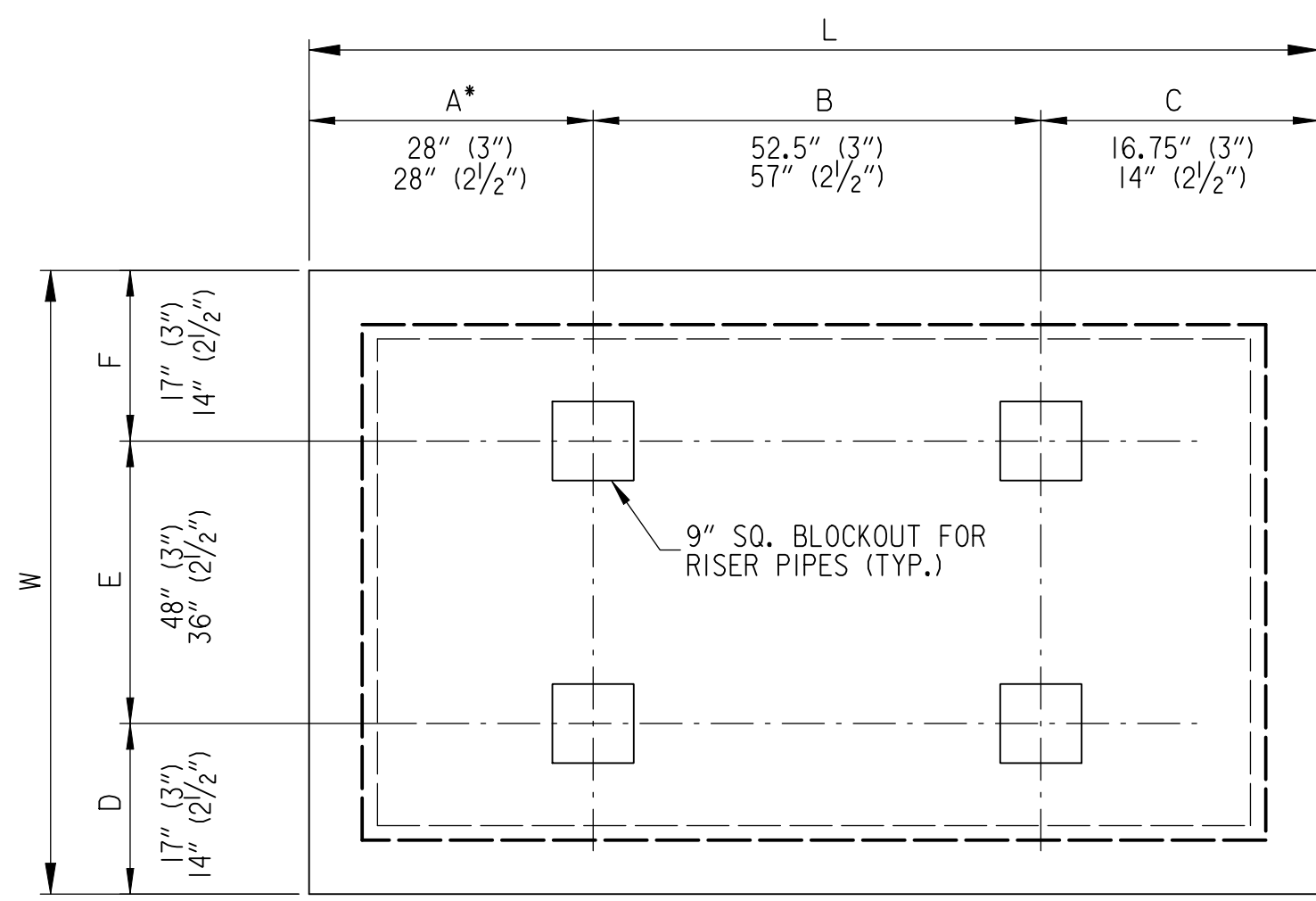
Building Number

N/A

Drawing Number

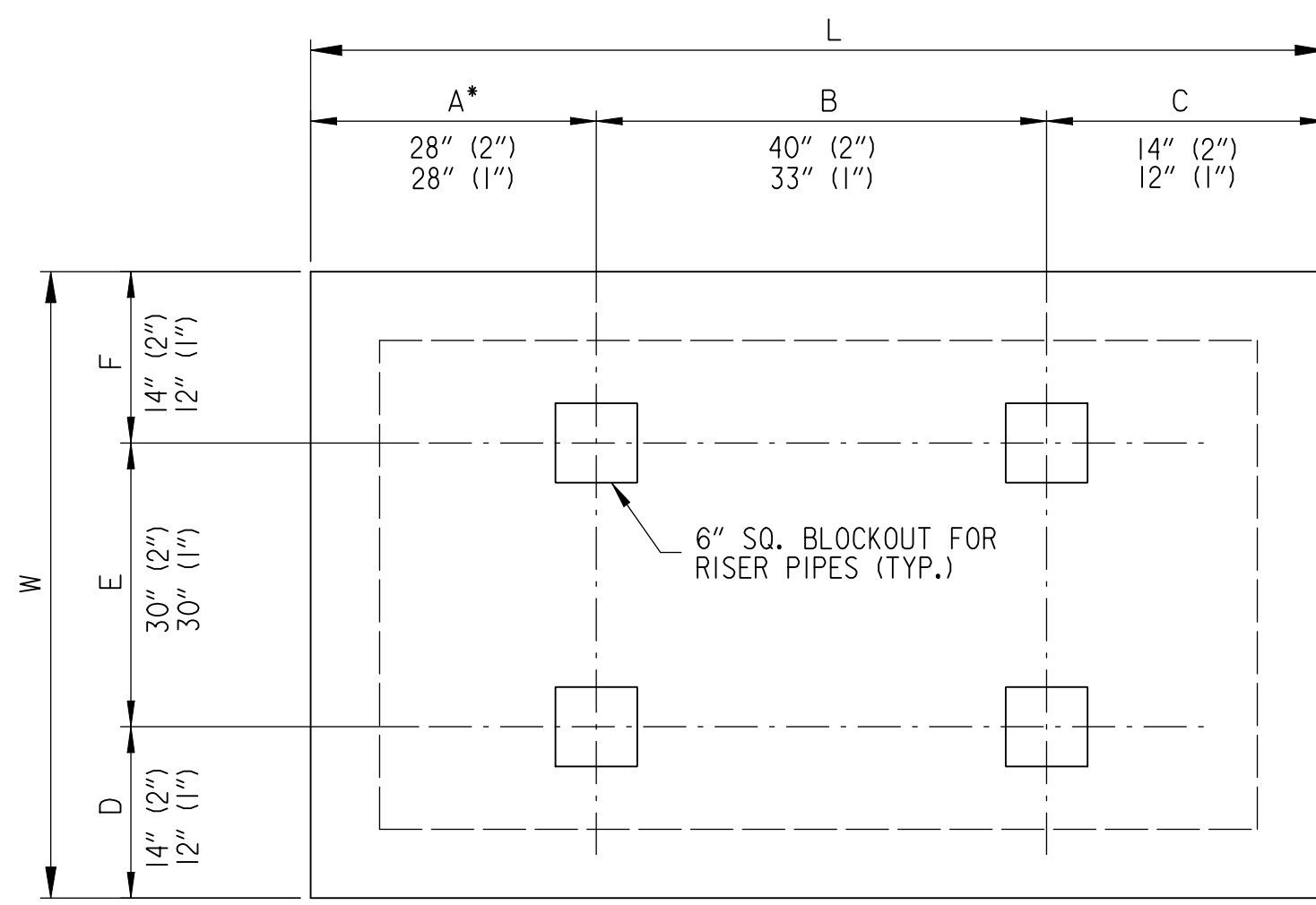
C-303

Dwg. 24 of 27



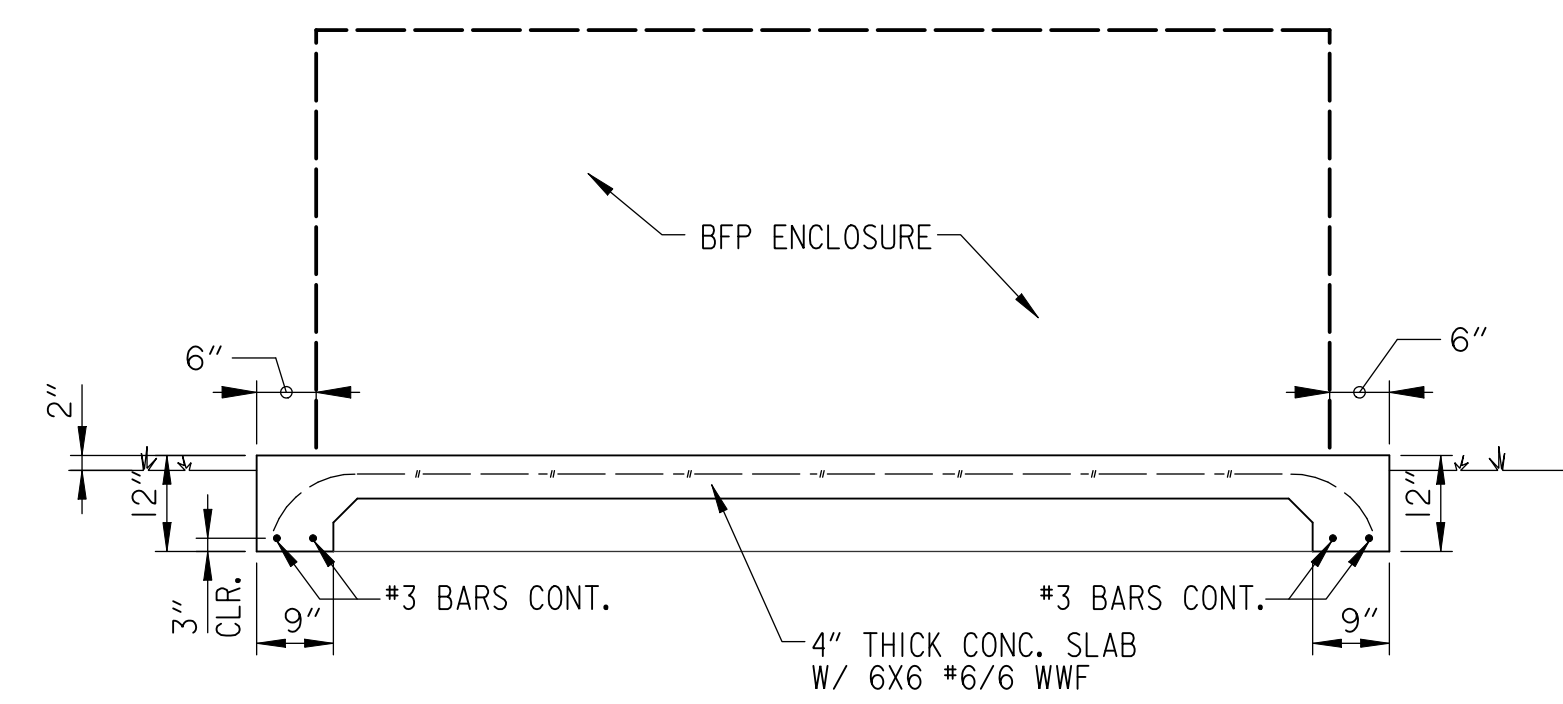
• FIRE CONNECT FITTING SIDE

PLAN VIEW
3" & 2 1/2" BACKFLOW PREVENTION PAD
NO SCALE

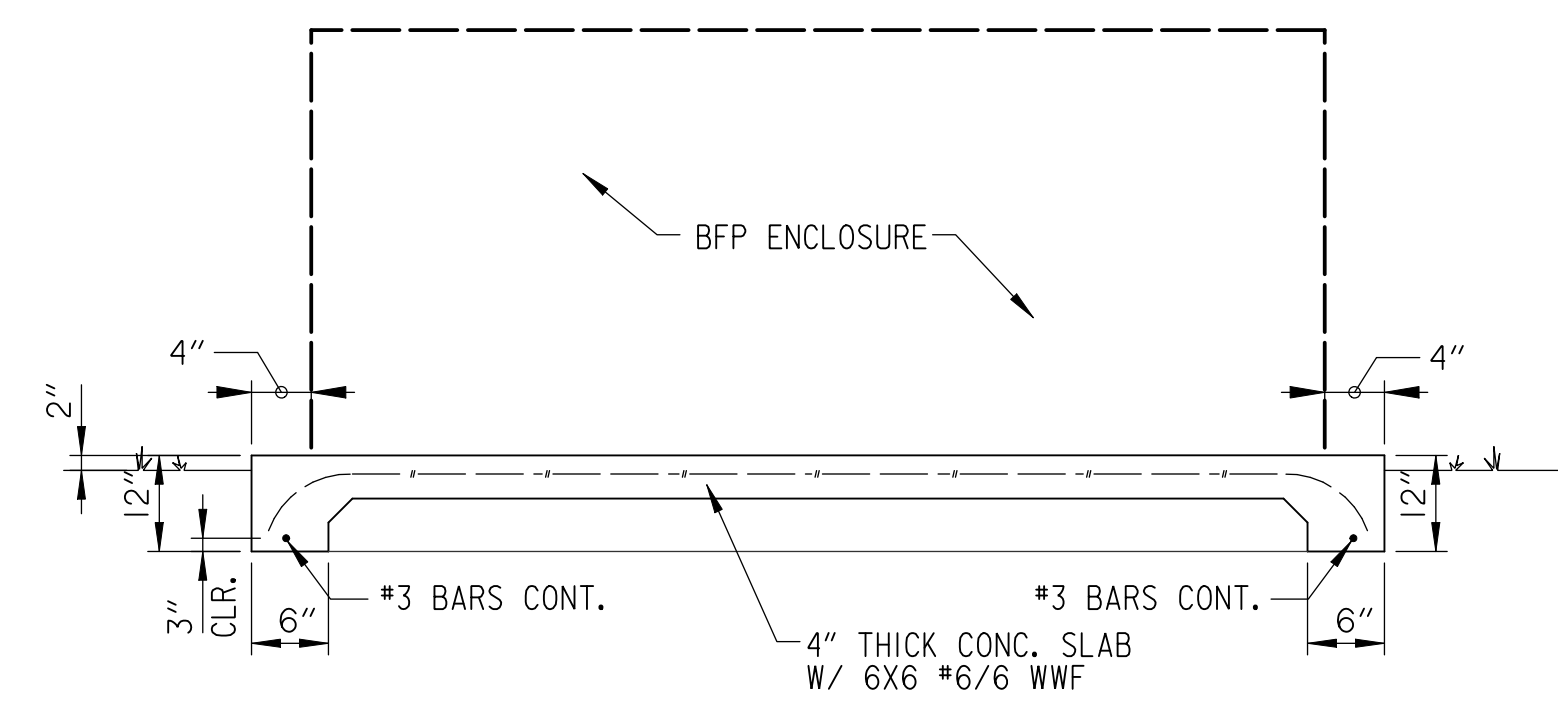


• FIRE CONNECT FITTING SIDE

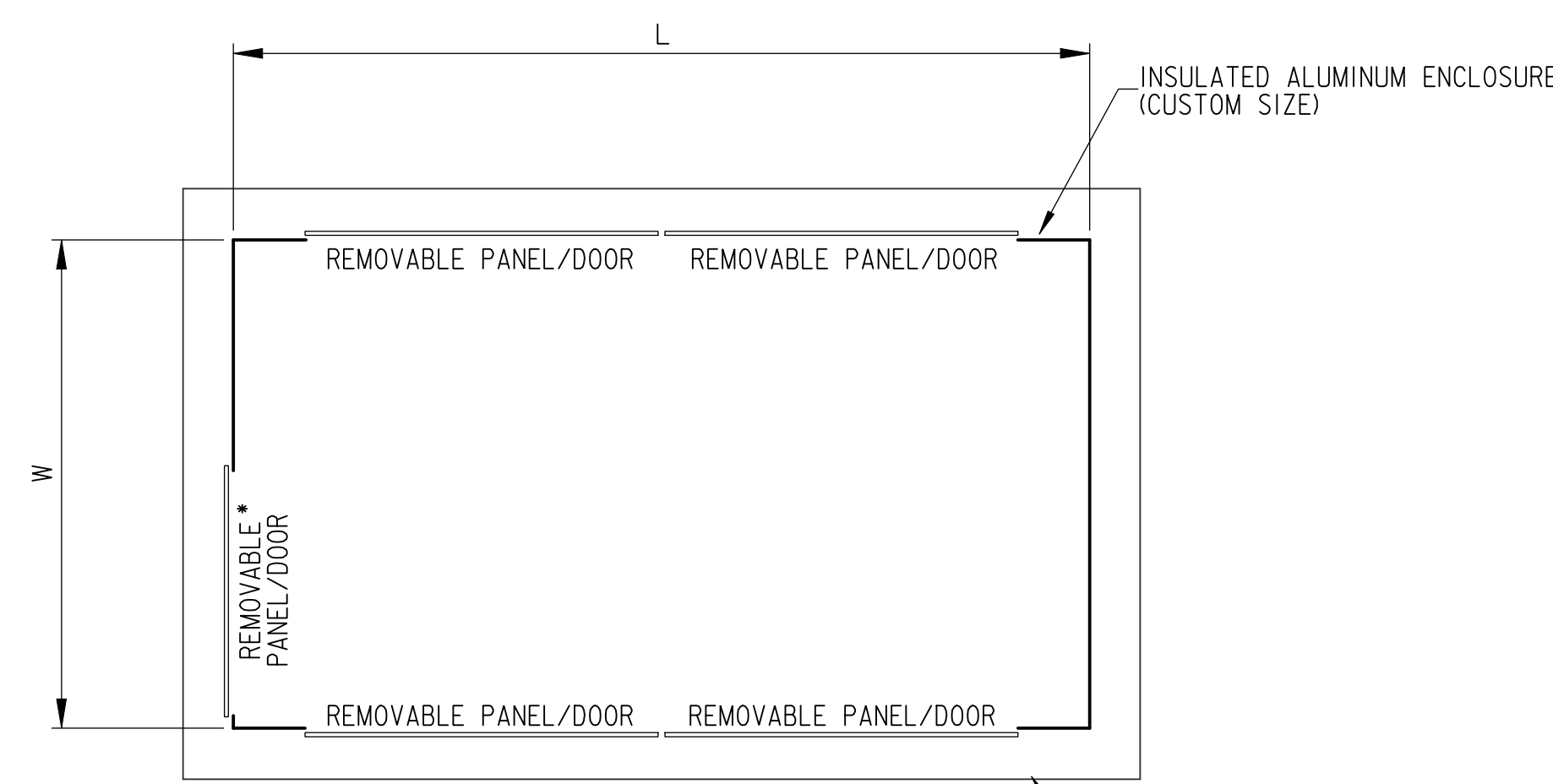
PLAN VIEW
2" OR 1" BACKFLOW PREVENTION PAD
NO SCALE



SECTION VIEW
3" & 2 1/2" BACKFLOW PREVENTION PAD
NO SCALE



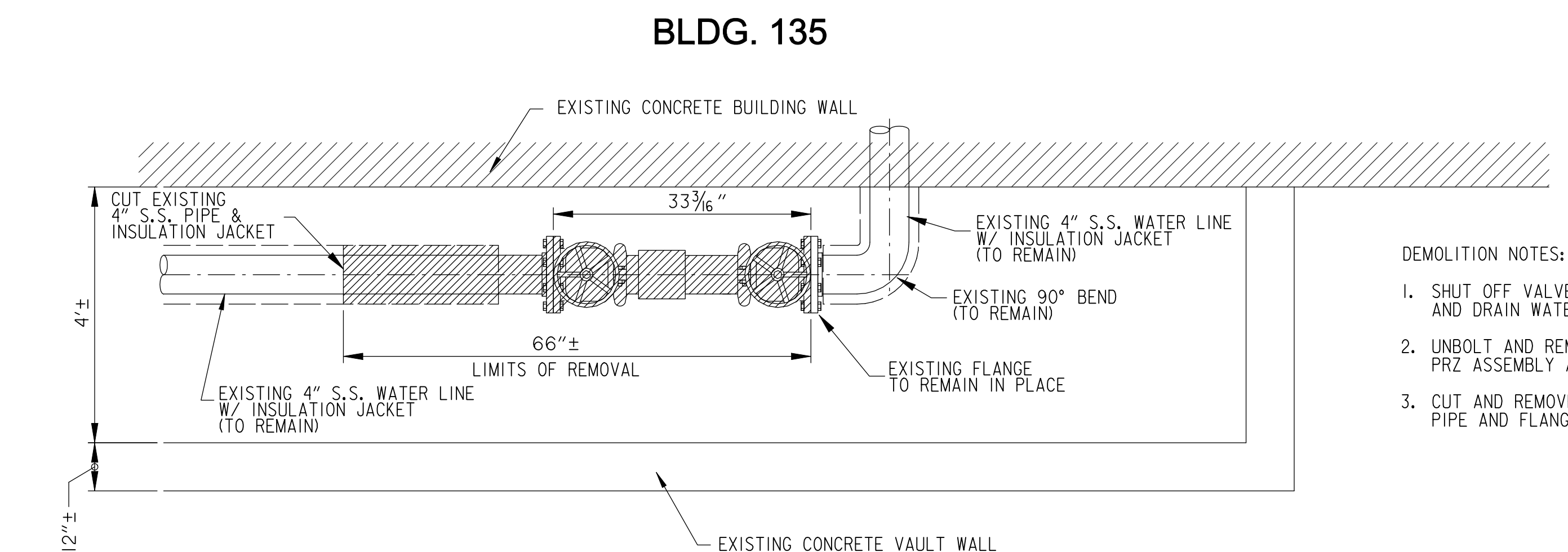
SECTION VIEW
2" OR 1" BACKFLOW PREVENTION PAD
NO SCALE



• FIRE CONNECT FITTING SIDE

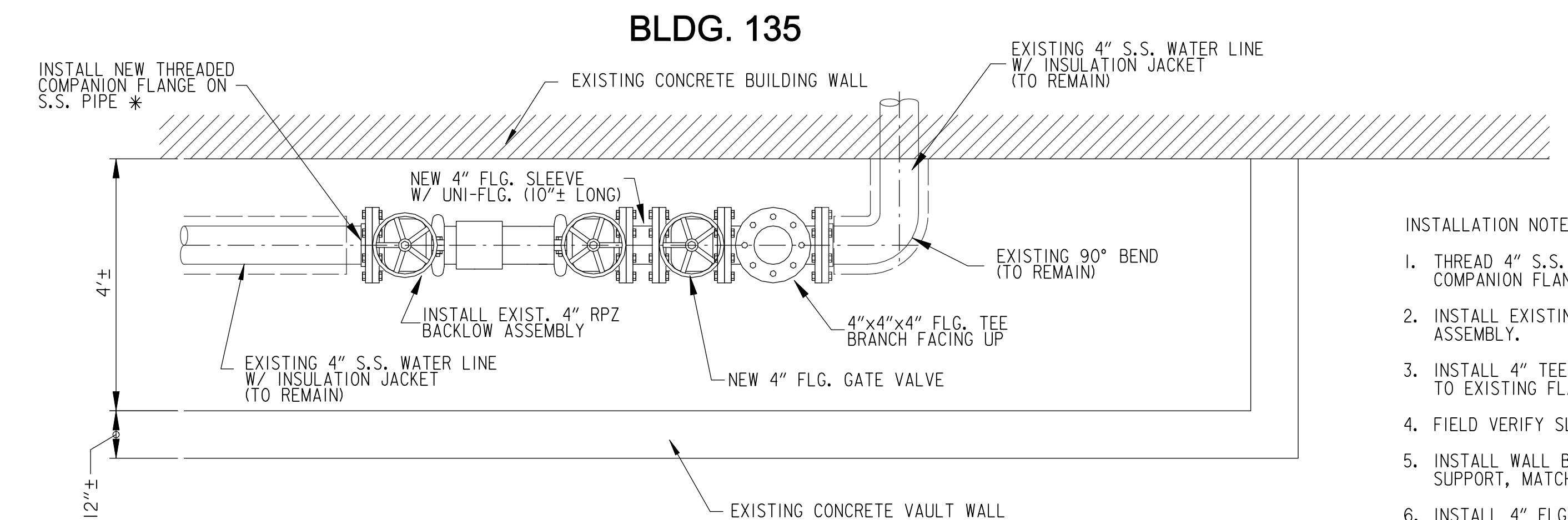
PLAN VIEW
ALUMINUM ENCLOSURE
NO SCALE

Bldg. #	Size	RPZ's	Enclosure Size WxLxH	Pad Size WxLxT
3	3"	2	72"x72"x38"	82"x86"x4"
5	1"	2	50"x60"x36"	60"x72"x4"
6	1"	2	50"x60"x36"	60"x72"x4"
8	1"	2	50"x60"x36"	60"x72"x4"
12	1"	2	50"x60"x36"	60"x72"x4"
17	1"	2	50"x60"x36"	60"x72"x4"
33	2"	2	50"x70"x36"	60"x82"x4"
38	2 1/2"	2	60"x56"x36"	68"x64"x4"
46	1"	2	50"x60"x36"	60"x72"x4"
63	1"	2	50"x60"x36"	60"x72"x4"
135	2 1/2"	2	60"x56"x36"	68"x64"x4"
145	1"	2	50"x60"x36"	60"x72"x4"
146	1"	2	50"x60"x36"	60"x72"x4"



PLAN VIEW
EXISTING WATERLINE IN VAULT
NO SCALE

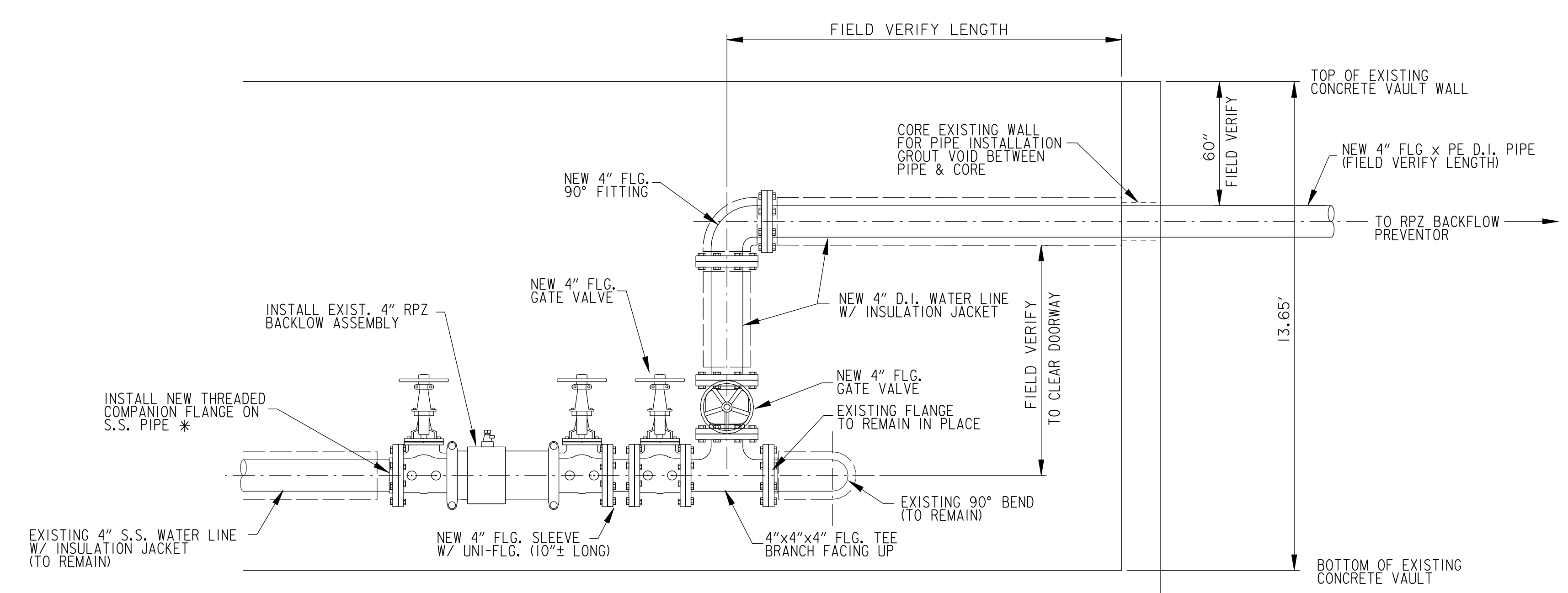
- DEMOLITION NOTES:
1. SHUT OFF VALVES TO BYPASS WATER SERVICE AND DRAIN WATER FROM LINE.
 2. UNBOLT AND REMOVE EXISTING 4" BACKFLOW RPZ ASSEMBLY AND STORE FOR REINSTALLATION.
 3. CUT AND REMOVE 24"± OF EXISTING 4" S.S. PIPE AND FLANGE.



PLAN VIEW
NEW WATERLINE CONNECTION LAYOUT
NO SCALE

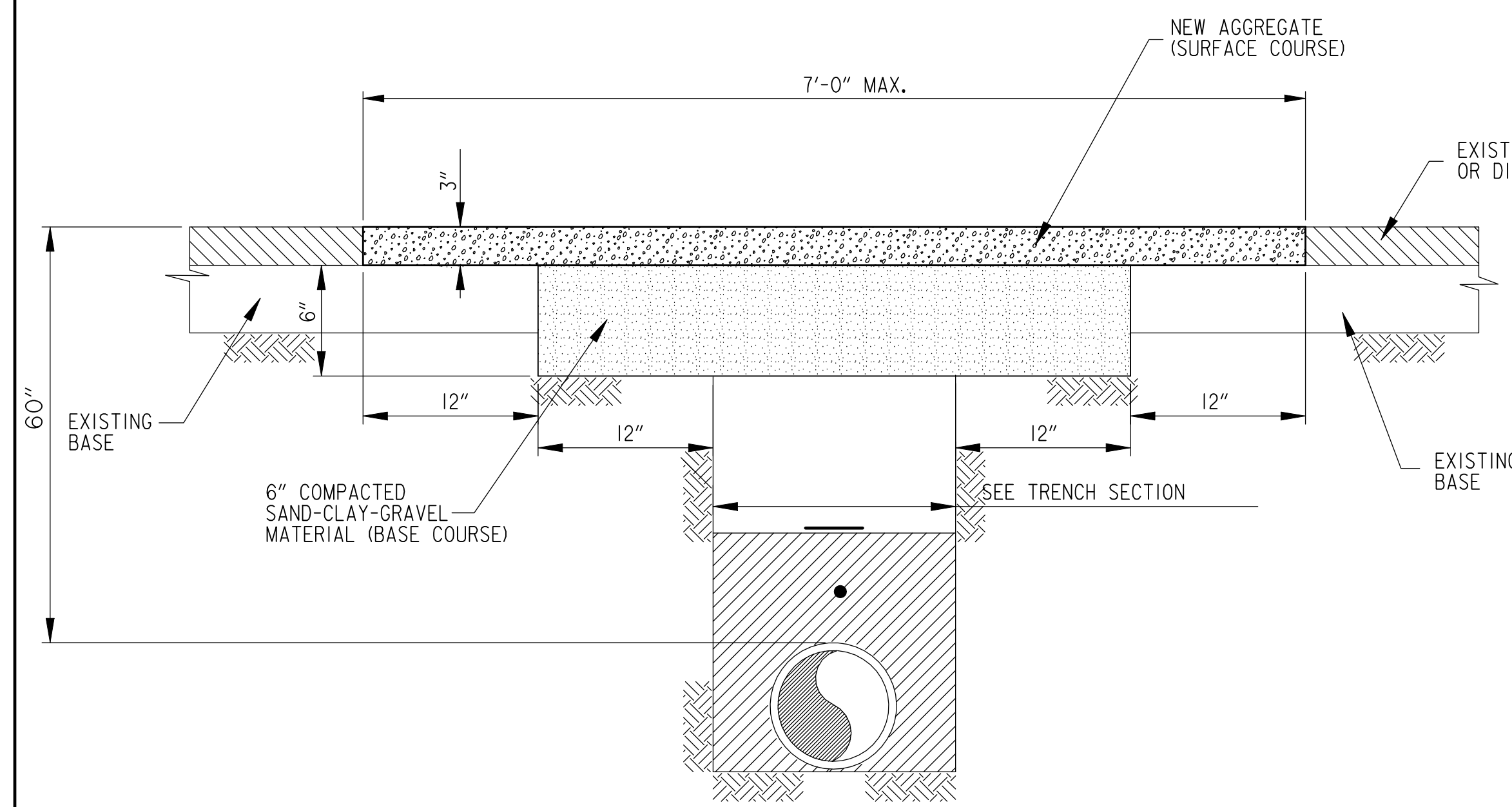
- INSTALLATION NOTES:
1. THREAD 4" S.S. PIPE AND INSTALL 4" COMPANION FLANGE.
 2. INSTALL EXISTING 4" RPZ BACKFLOW ASSEMBLY.
 3. INSTALL 4" TEE AND 4" VALVE, BOLT TEE TO EXISTING FLANGE.
 4. FIELD VERIFY SLEEVE LENGTH AND INSTALL.
 5. INSTALL WALL BRACKETS AS NEEDED FOR SUPPORT, MATCH EXISTING BRACKETS.
 6. INSTALL 4" FLG. VALVE ON TOP OF TEE AND TURN WATER SUPPLY BACK ON.
 7. CORE VAULT WALL FOR 4" D.I. PIPE. INSTALL PIPE AND FITTING TO COMPLETE THE CONNECTION.
 8. GROUT VOID BETWEEN D.I. PIPE AND CORE HOLE. INSTALL PIPE INSULATION JACKET.

* IF IT IS NOT POSSIBLE TO THREAD 4" S.S. PIPE, THEN AN M.J. COUPLING IS ACCEPTABLE

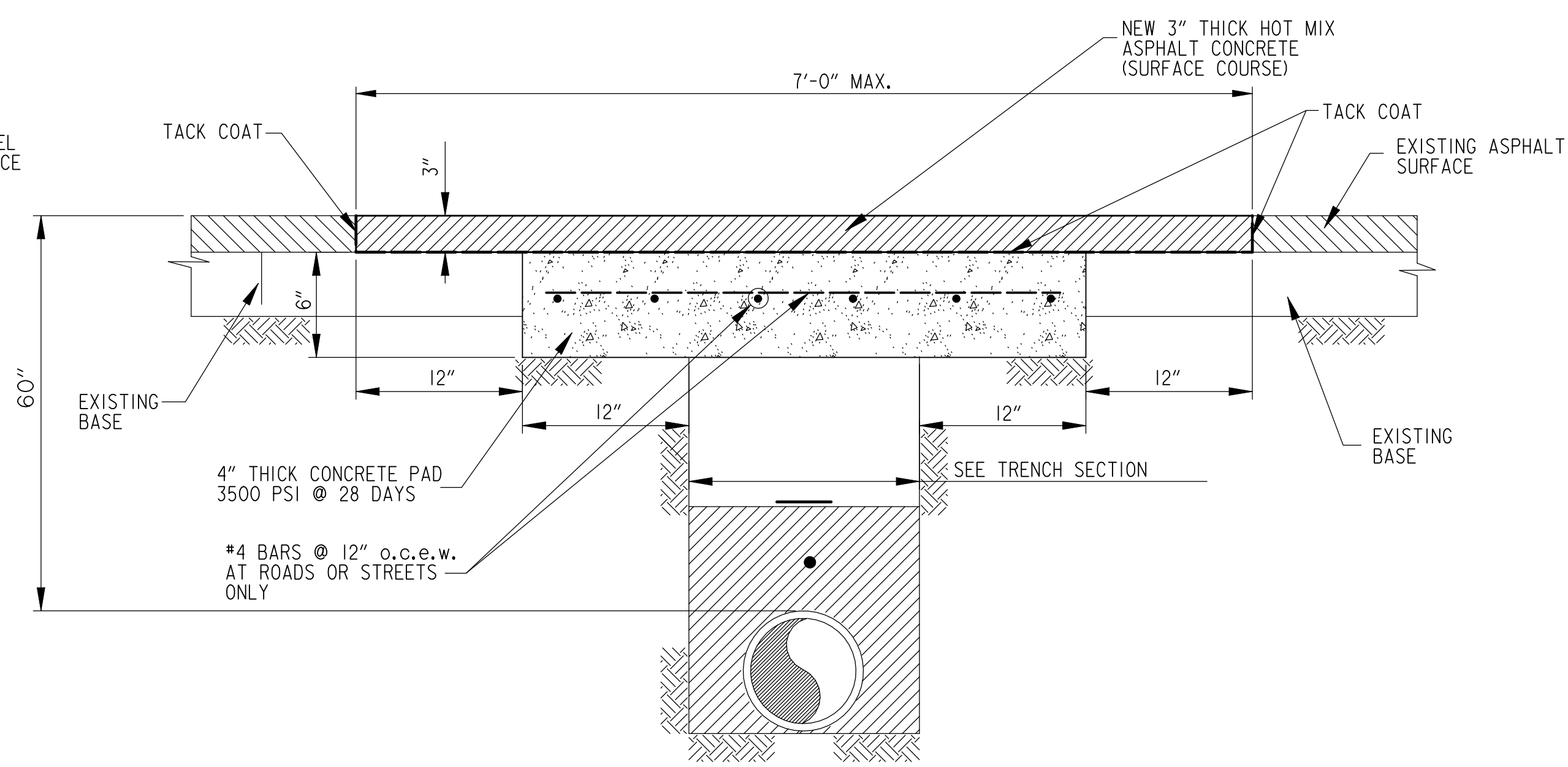


ELEVATION VIEW
NEW WATERLINE CONNECTION LAYOUT
NO SCALE

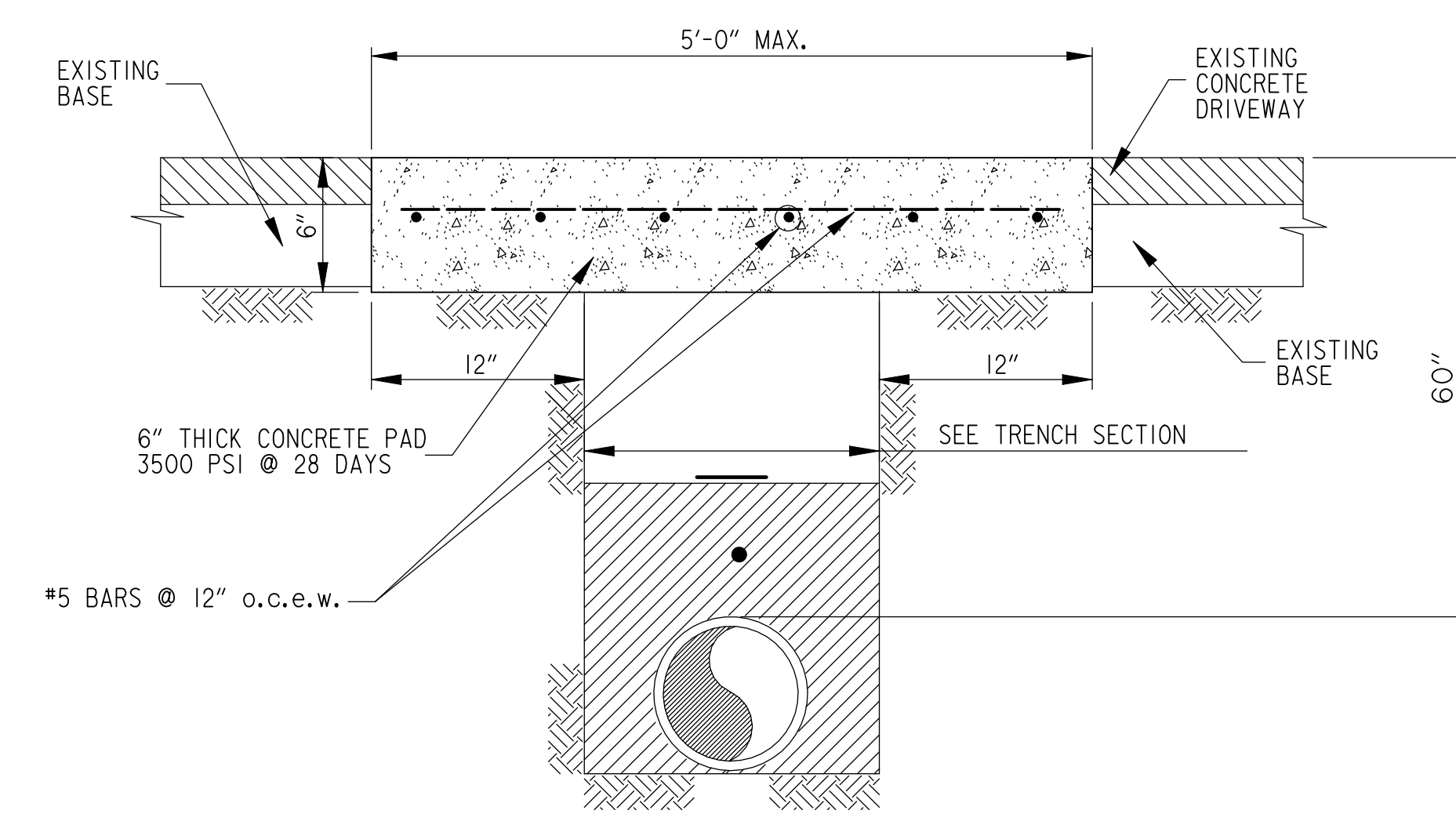
<p>CONSULTANTS:</p> <p>Headquarters: Apogee Consulting Group, P.A. 1151 Kildaire Farm Road, Suite 120 Cary, North Carolina 27511 www.acg-pa.com 919-858-7420</p>			<p>PROJECT MANAGER</p> <p>Ballard CLC, Inc. Architects • Engineers • Surveyors 1009 Bayou Place Alexandria, LA 71303 Tel. (318) 445-6571 Fax. (318) 448-0257</p>	<p>Office of Construction and Facilities Management</p> <p>U.S. Department of Veterans Affairs</p>	<p>Drawing Title</p> <p>BACKFLOW PREVENTION ENCLOSURE & PAD DETAILS</p>	<p>Project Title</p> <p>CORRECT FAILING SANITARY SEWER, WATER MAIN, AND FIRE PROTECTION DEFICIENCIES</p>	<p>VA PROJECT NUMBER</p> <p>679-21-102</p>
					<p>Location</p> <p>TUSCALOOSA VA MEDICAL CENTER 3701 LOOP ROAD TUSCALOOSA, AL, 35404</p>	<p>Approved</p> <p>Date: DEC. 29, 2023</p>	<p>Checked: BCLC</p> <p>Drawn: BCLC</p>



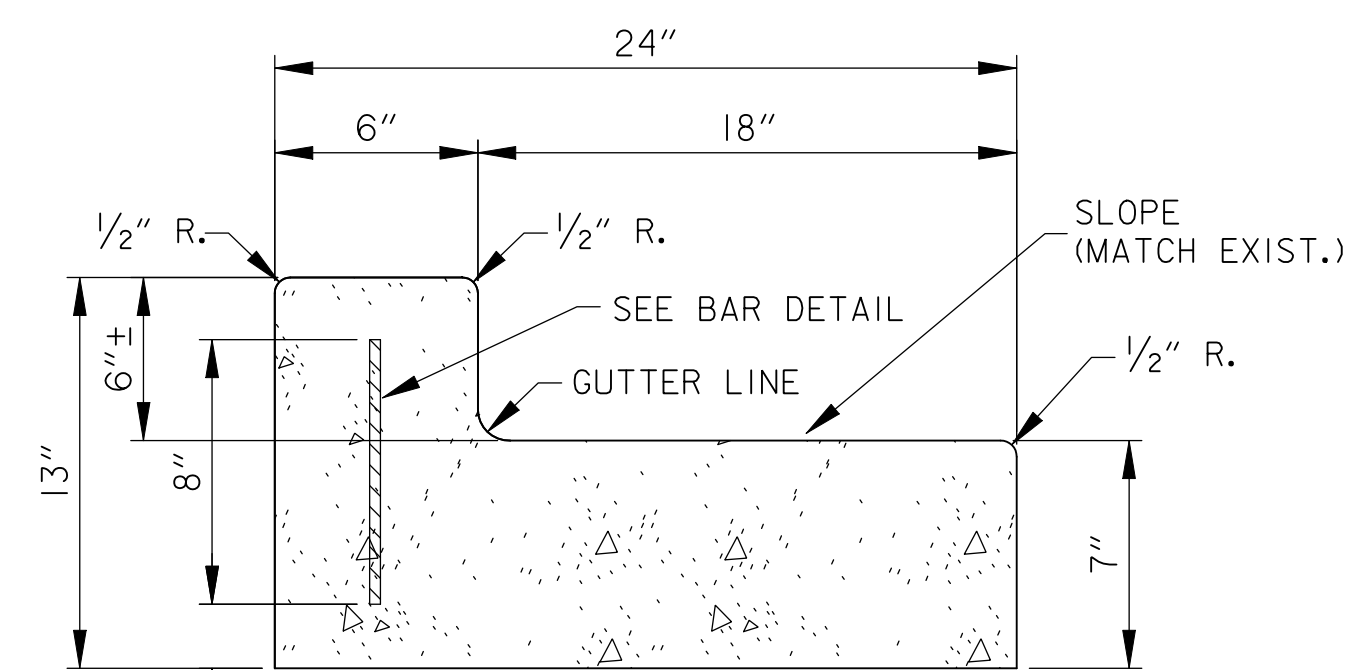
DIRT, GRAVEL & TEMPORARY DRIVE REPAIR DETAIL
NO SCALE



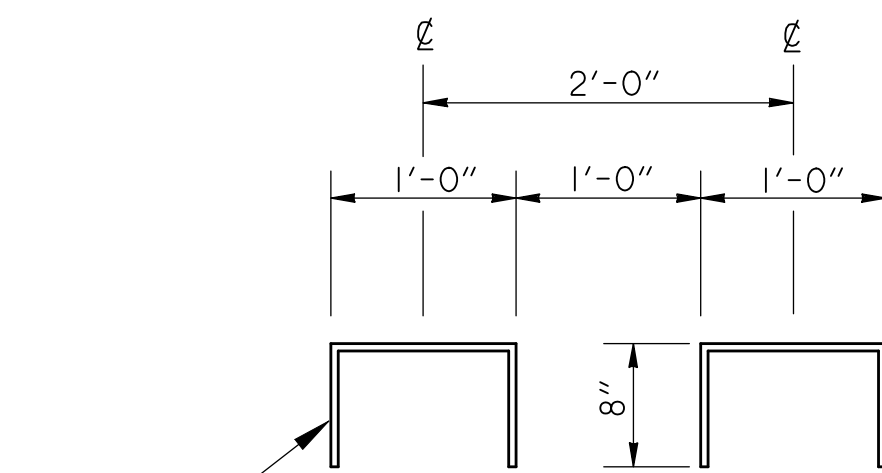
ASPHALT DRIVE OR ROAD REPAIR DETAIL
NO SCALE



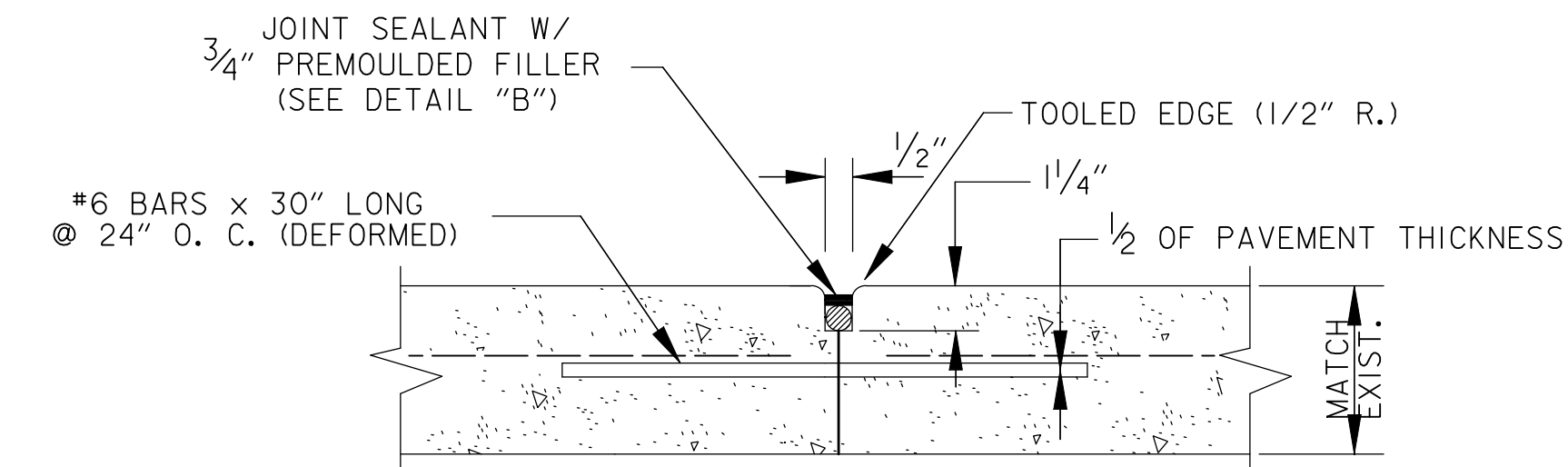
CONCRETE DRIVE OR ROAD REPAIR DETAIL
NO SCALE



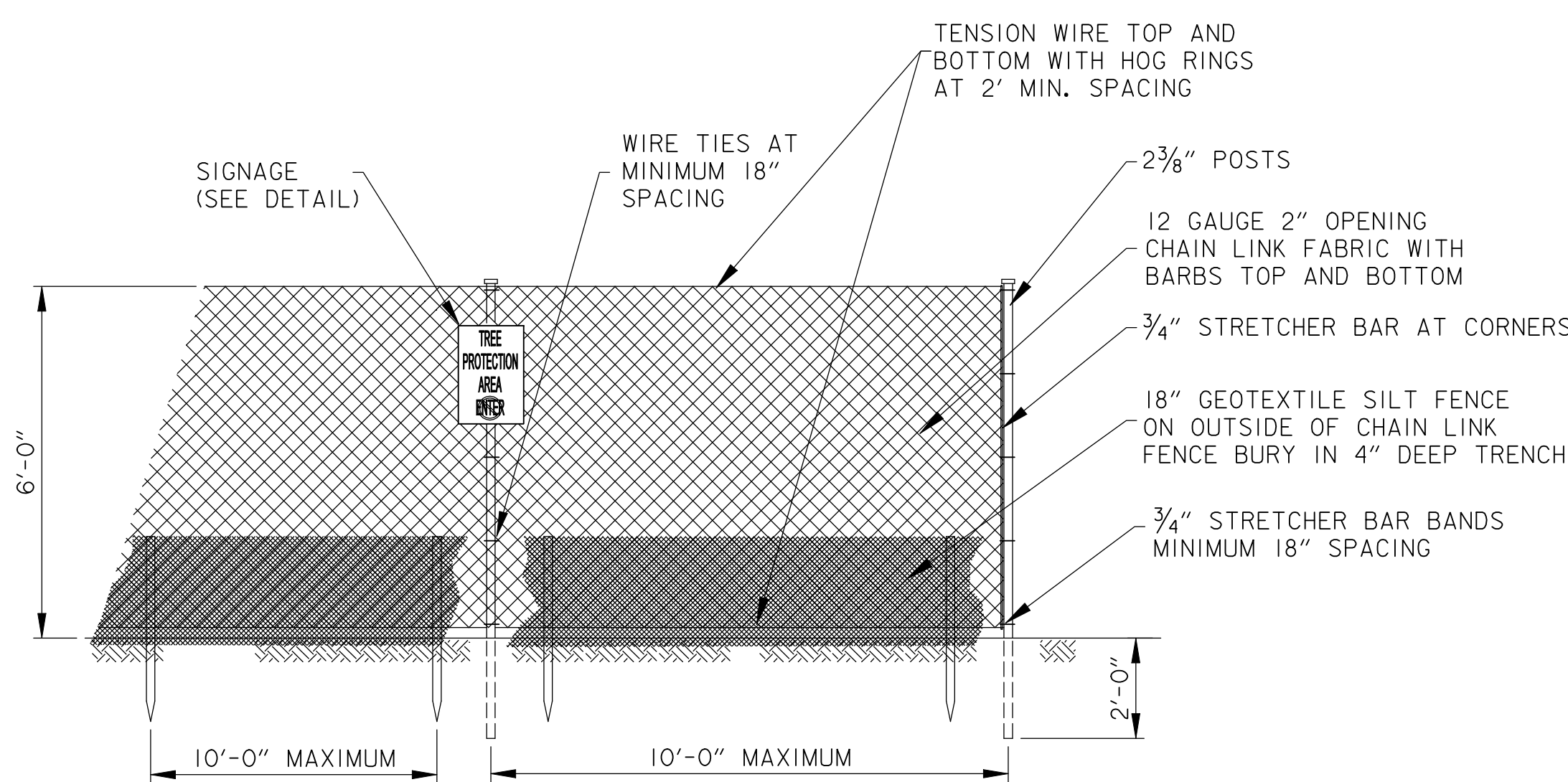
6\"/>



BAR DETAILS
N.T.S.



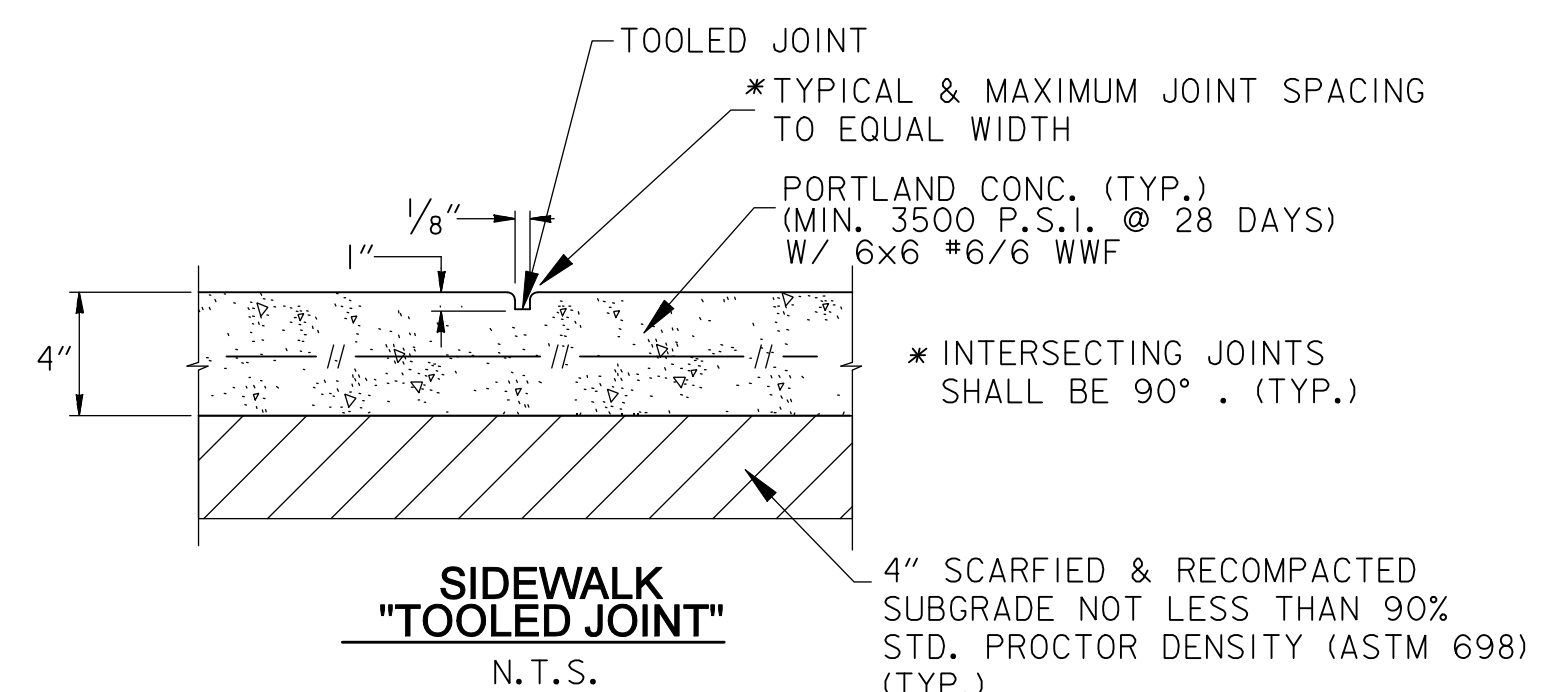
CONSTRUCTION JOINT (CJ)
N.T.S.



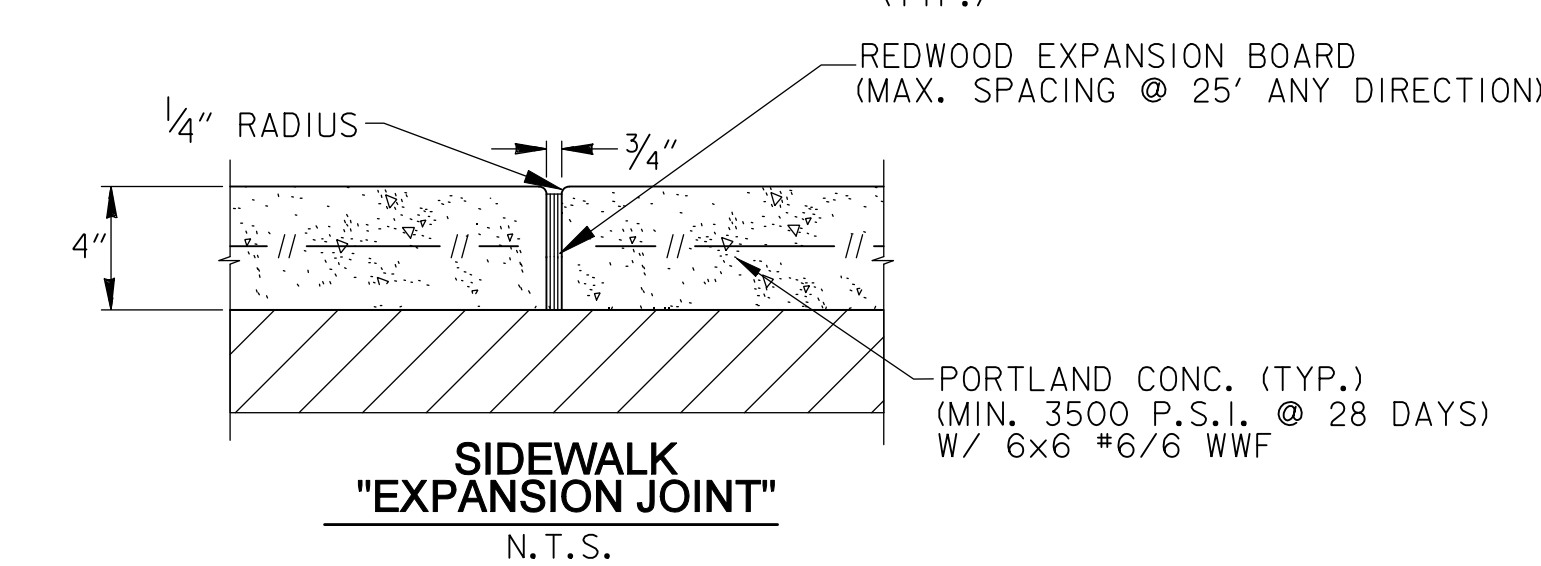
TREE PROTECTION FENCING DETAIL
N.T.S.

TREE PROTECTION SIGN NOTES

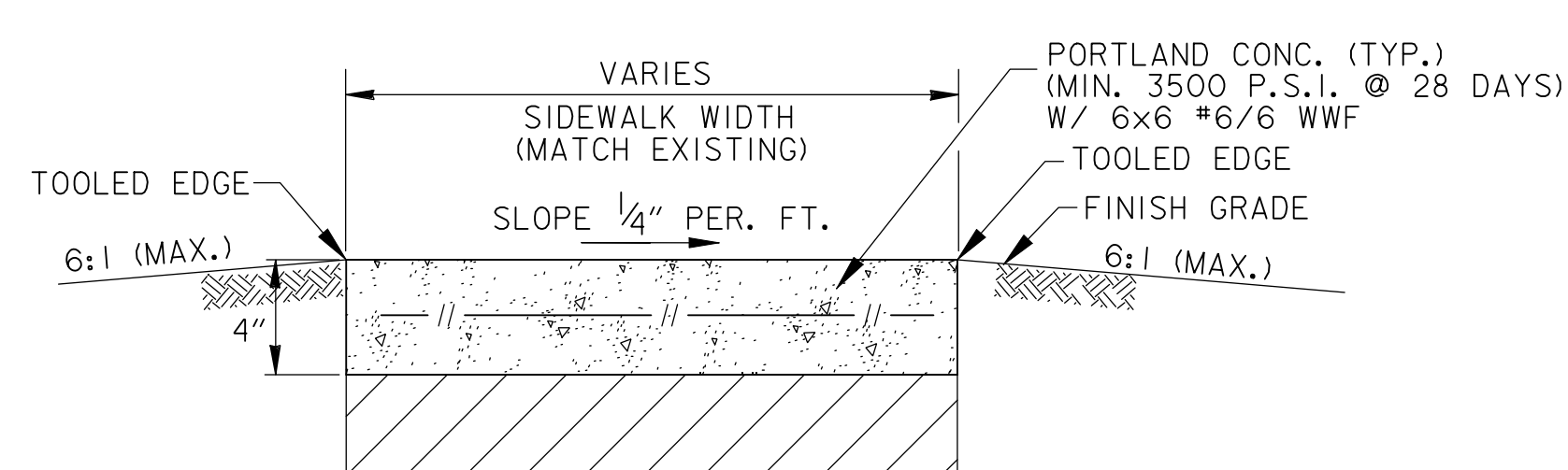
1. TREE PROTECTION SIGNS TO BE MADE OF DURABLE WEATHERPROOF MATERIAL.
2. LETTERS TO BE MINIMUM 3\"/>



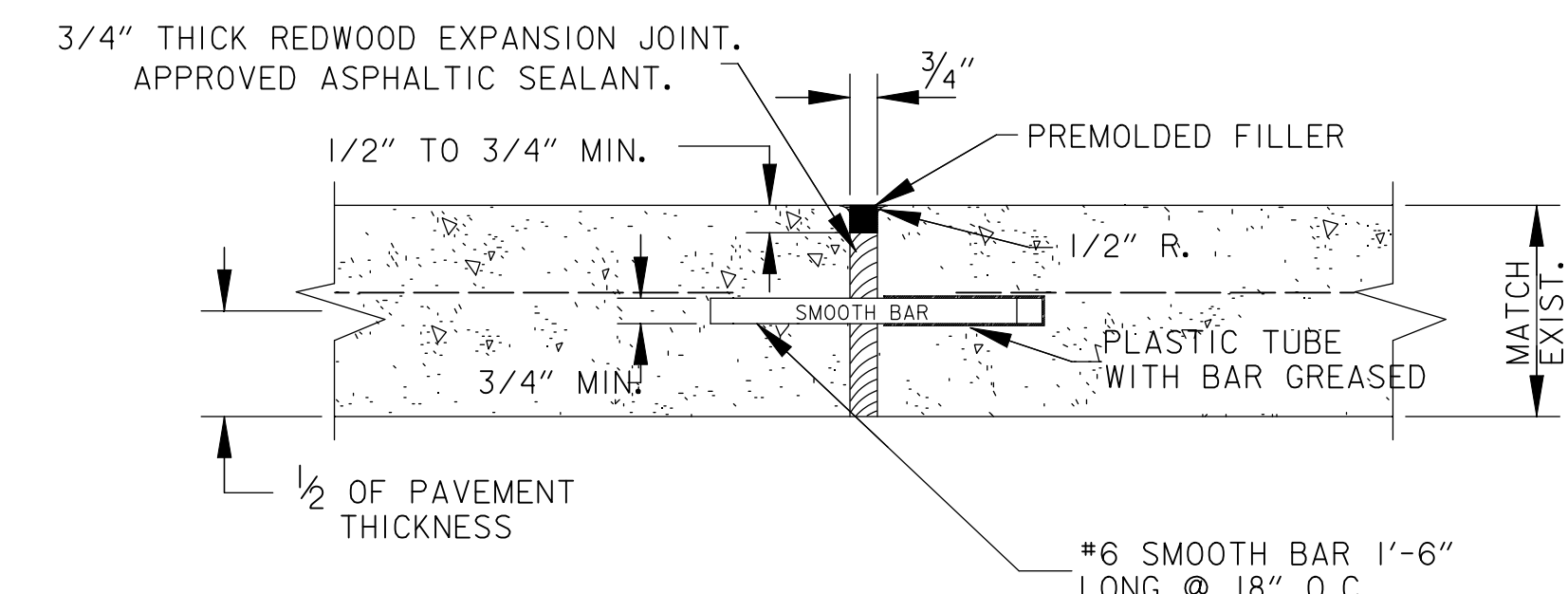
SIDEWALK "TOOLED JOINT"
N.T.S.



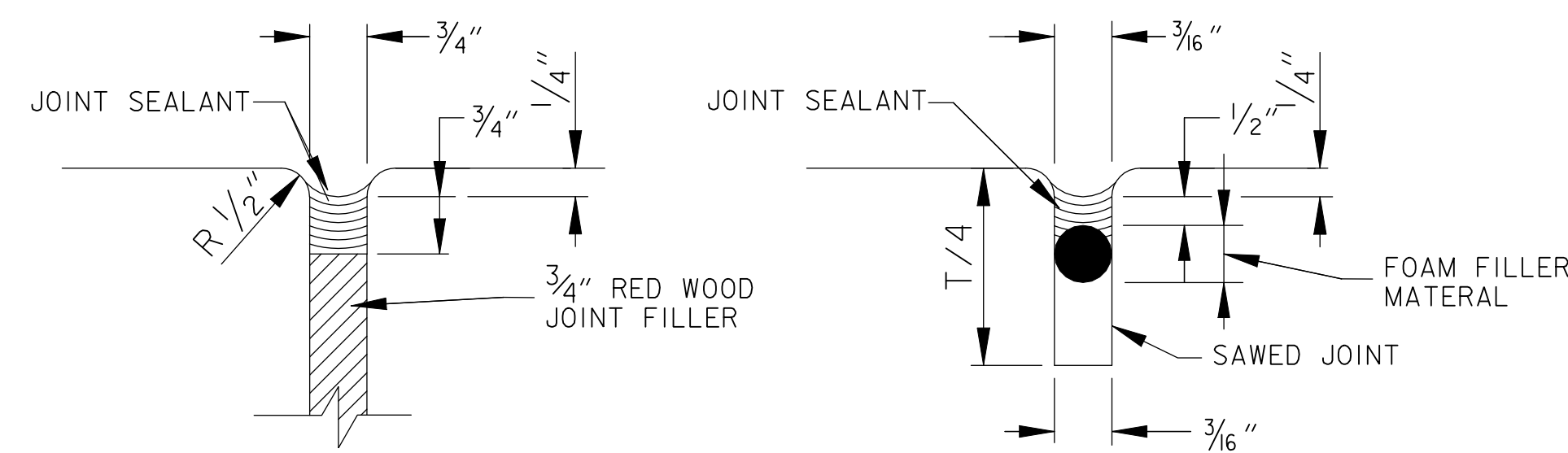
SIDEWALK "EXPANSION JOINT"
N.T.S.



SIDEWALK SECTION
N.T.S.



EXPANSION JOINT (EJ)
N.T.S.



JOINT DETAIL "A"
N.T.S.

JOINT DETAIL "B"
N.T.S.

CONCRETE PAVEMENT JOINT DETAILS

#	Revisions:	Date

CONSULTANTS:

APOGEE
Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511

www.acg-pa.com 919-858-7420

ALABAMA
NO. 28875
PROFESSIONAL
ENGINEER
JAMES BRYAN
12-29-2023

U.S. Department of Veterans Affairs

PROJECT MANAGER

Ballard Project Number 224000

Ballard CLC, Inc.
Architects • Engineers • Surveyors
1009 Bayou Place
Alexandria, LA 71303
Tel. (318) 445-6571 Fax. (318) 448-0257

Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title
PAVEMENT REPAIR DETAILS & MISC. SITE DETAILS

Location
TUSCALOOSA VA MEDICAL CENTER
3701 LOOP ROAD
TUSCALOOSA, AL, 35404

Project Title
CORRECT FAILING SANITARY SEWER, WATER MAIN, AND FIRE PROTECTION DEFICIENCIES

Approved
Date: DEC. 29, 2023
Checked: BCLC
Drawn: BCLC

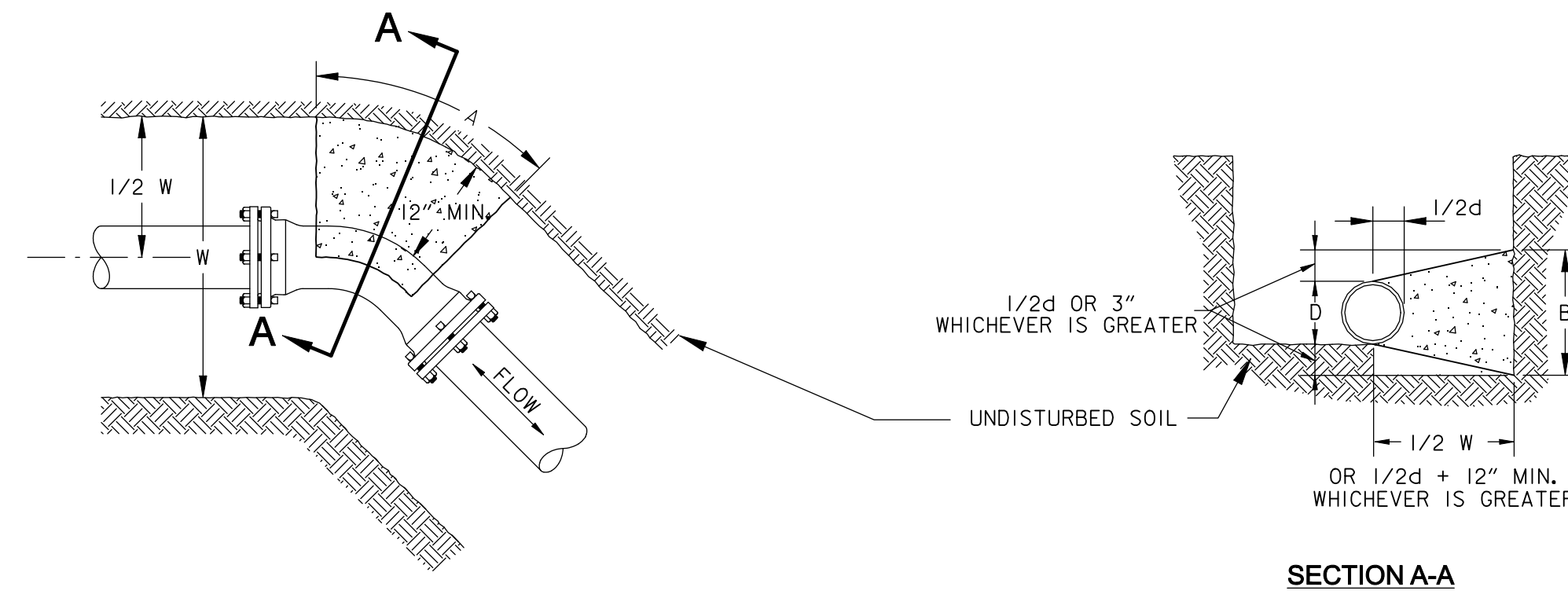
VA PROJECT NUMBER
679-21-102

Building Number
N/A

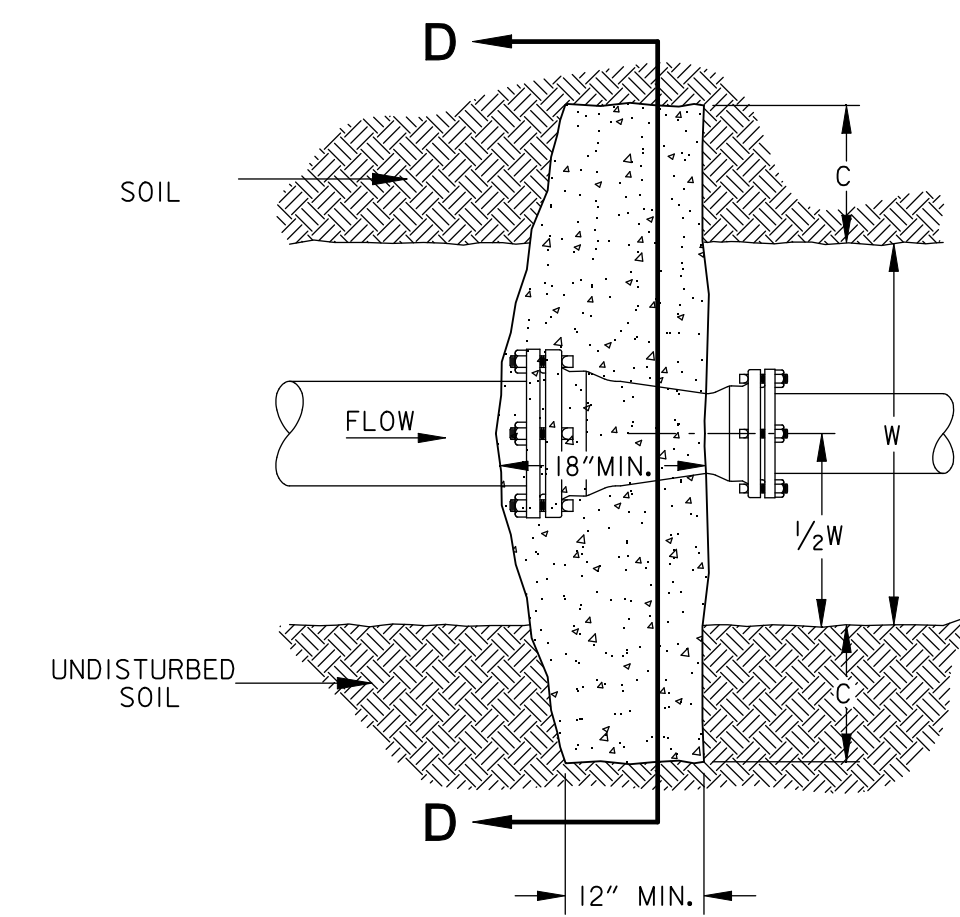
Drawing Number
C-305
Dwg. 26 of 27

SCHEDULE OF DIMENSIONS FOR MASS CONCRETE THRUST BLOCKS (FOR 2000 P.S.F. SOIL)																																	
TYPE OF FITTING	HORIZONTAL BENDS								VERTICAL UNDER BENDS								VERTICAL OVER BENDS								TEES & DEAD ENDS		REDUCERS						
	90°		45°		22 1/2°		11 1/4°		90°		45°		22 1/2°		11 1/4°		90°		45°		22 1/2°		11 1/4°		A	B	B	C					
TYPICAL DIMENSION	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	V	BA	REIN.	V	BA	REIN.	V	BA	REIN.	V	BA	REIN.	A	B			
PIPE SIZE	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	CU. YDS.	SO. FT.	RODS	CU. YDS.	SO. FT.	RODS	CU. YDS.	SO. FT.	RODS	CU. YDS.	SO. FT.	RODS	FT.-IN.	FT.-IN.			
2"	1'-0"	0'-8"	0'-6"	0'-8"	0'-6"	0'-8"	0'-6"	0'-8"	0'-6"	0'-7"	0'-7"	0'-7"	0'-7"	0'-7"	0'-7"	0'-7"	1	2	1-#3	0.5	1	1-#3	0.25	1	1-#3	N/A	N/A	N/A	1'-6"	1'-0"	6" X 4"	1'-0"	0'-6"
3"	1'-0"	0'-9"	1'-0"	0'-9"	1'-0"	0'-9"	1'-0"	0'-9"	1'-0"	0'-9"	1'-0"	0'-9"	1'-0"	0'-9"	1'-0"	0'-9"	1	2	1-#3	0.5	1	1-#3	0.25	1	1-#3	0.25	1	1-#3	1'-6"	1'-0"	8" X 6"	1'-4"	1'-0"
4"	2'-0"	0'-10"	1'-0"	0'-10"	1'-0"	0'-10"	1'-0"	0'-10"	1'-0"	0'-11"	1'-6"	0'-11"	1'-0"	0'-11"	1'-0"	0'-11"	1	2	1-#4	0.5	1	1-#4	0.25	1	1-#4	0.25	1	1-#3	1'-6"	1'-0"	10" X 6"	1'-8"	1'-0"
6"	2'-6"	1'-0"	2'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	2'-6"	1'-3"	2'-0"	1'-3"	1'-6"	1'-3"	1'-6"	2	4	2-#4	1	2	1-#4	0.5	1	1-#4	0.25	1	1-#4	2'-6"	1'-0"	10" X 8"	1'-8"	1'-0"
8"	3'-6"	1'-4"	2'-6"	1'-4"	2'-0"	1'-4"	1'-0"	1'-4"	1'-0"	3'-0"	1'-10"	2'-6"	1'-10"	2'-0"	1'-10"	2'-0"	3.25	6.25	4-#4	2	4	2-#4	1	2	1-#4	0.5	1	1-#4	3'-0"	1'-6"	12" X 6"	2'-0"	2'-0"
10"	4'-0"	1'-8"	3'-0"	1'-8"	2'-0"	1'-8"	1'-0"	1'-8"	1'-0"	3'-6"	2'-2"	3'-0"	2'-2"	2'-6"	2'-2"	2'-0"	5	10	5-#4	3	6	3-#4	1.5	3	1-#5	0.75	2	1-#4	3'-6"	2'-0"	12" X 8"	2'-0"	1'-6"
12"	5'-0"	2'-0"	4'-0"	2'-0"	2'-0"	2'-0"	1'-0"	2'-0"	1'-0"	4'-0"	2'-6"	3'-6"	2'-6"	2'-6"	2'-0"	2'-6"	7.25	15	5-#5	4	8	4-#4	2	4	2-#4	1	2	1-#4	4'-0"	2'-6"	12" X 10"	2'-0"	1'-0"

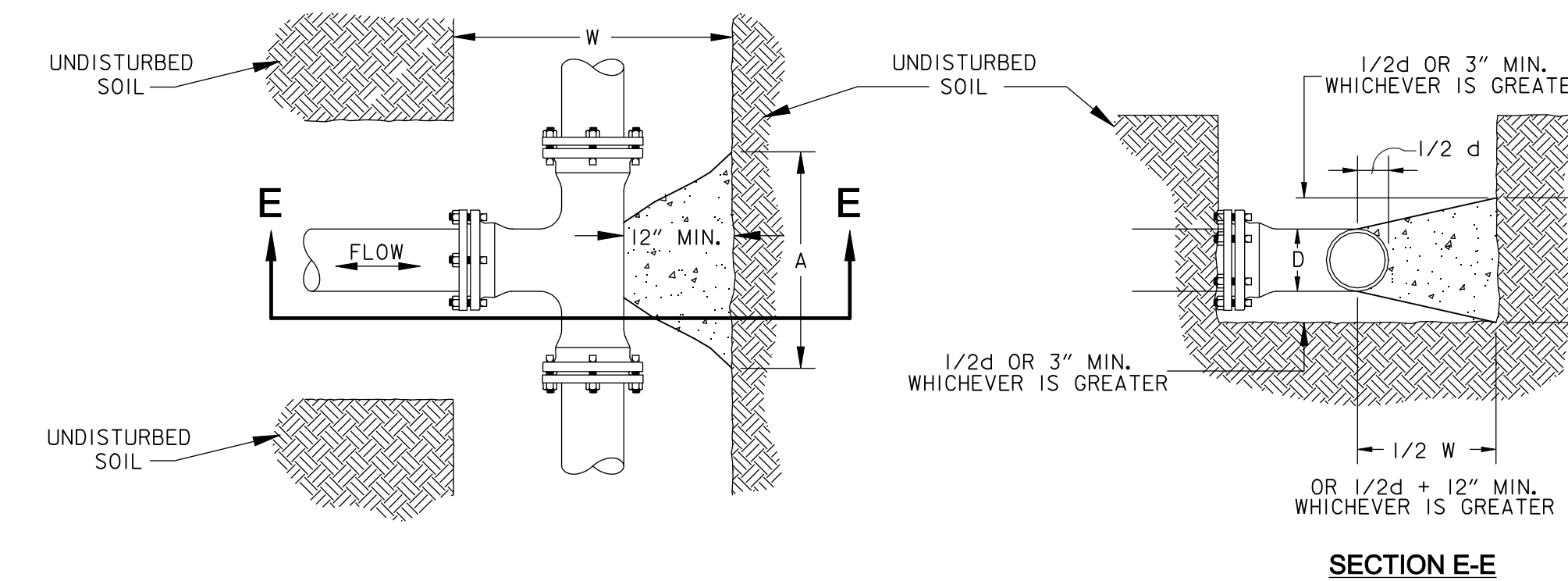
W = TRENCH WIDTH



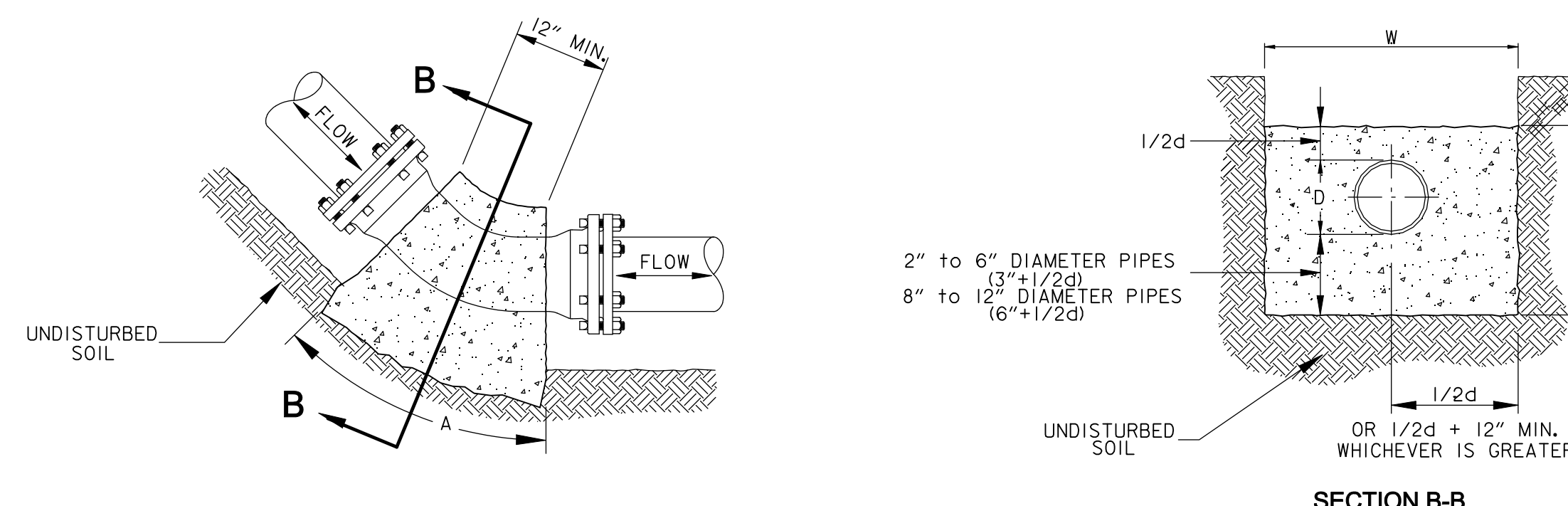
PLAN - HORIZONTAL BEND
THRUST BLOCKING



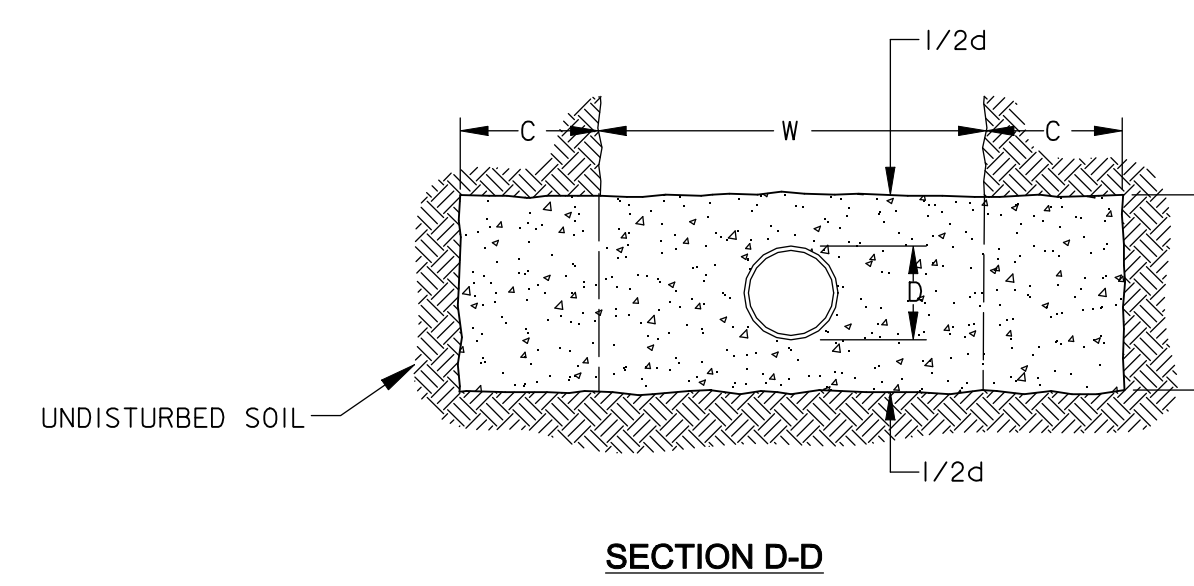
TEE
THRUST BLOCKING



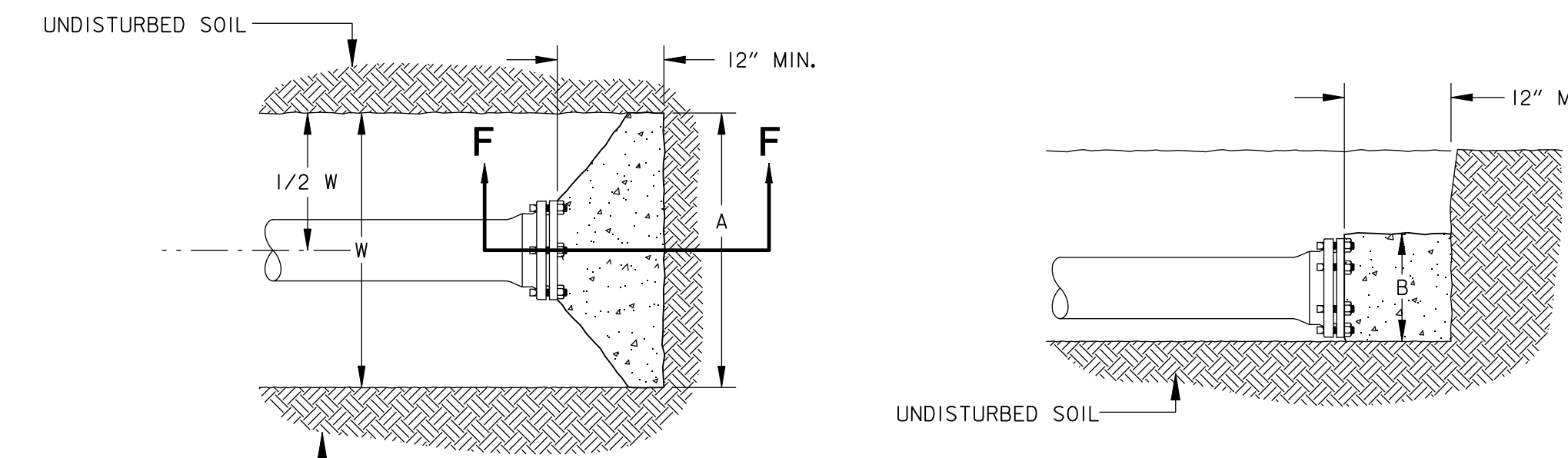
SECTION E-E



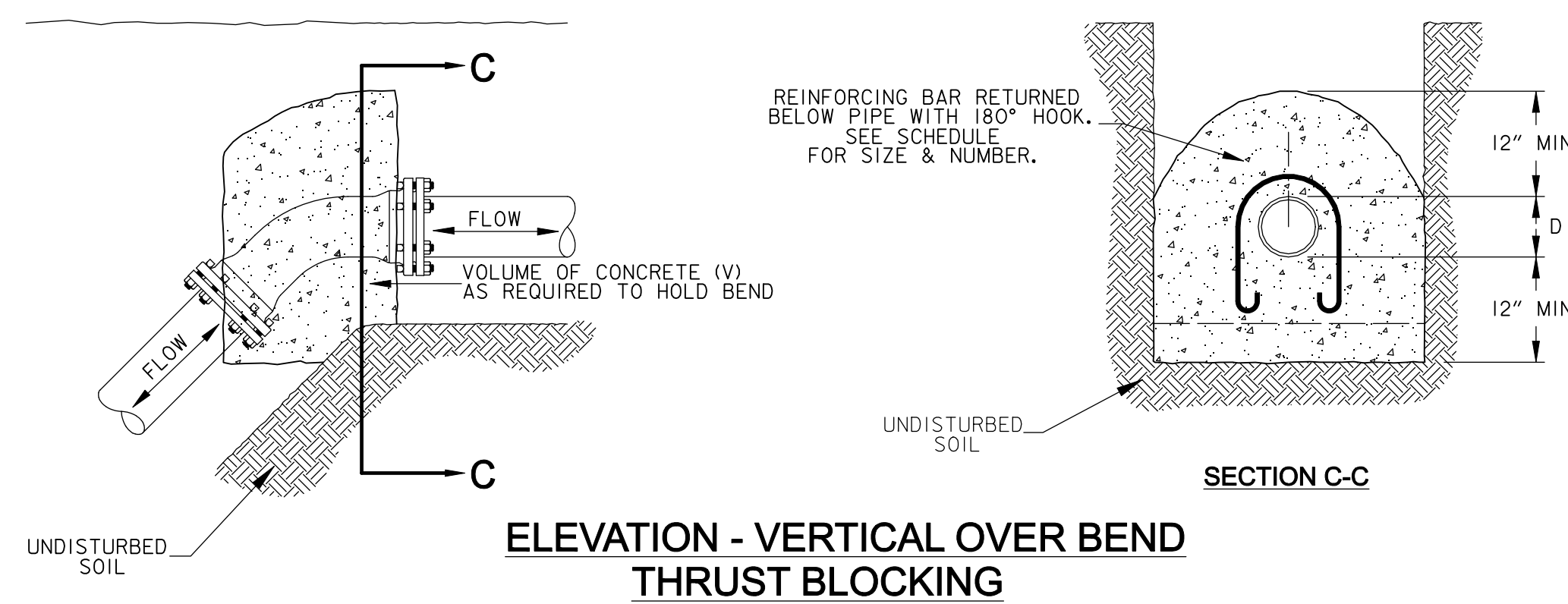
ELEVATION - VERTICAL UNDER BEND
THRUST BLOCKING



REDUCER
THRUST BLOCKING



DEAD END
THRUST BLOCKING



ELEVATION - VERTICAL OVER BEND
THRUST BLOCKING

NOTES:

1. No special pay item for reinforcement rods required in overbends.
2. Size of tee refers to branch size.
3. Place reinforcement rods as shown in all concrete thrust blocks and over valves.
4. Volume of concrete for vertical overbends shall be sized for 100 P.S.I.
5. All ductile iron fittings shall be wrapped with an 8 mil. Polyethylene film.

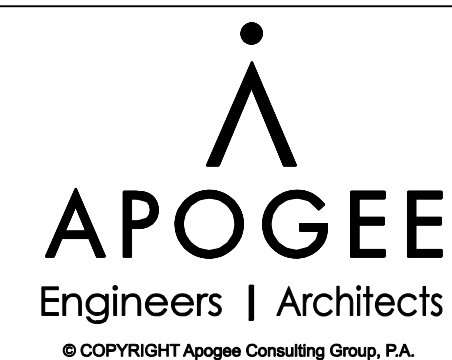
LEGEND

W = DITCH WIDTH
d = INSIDE PIPE DIAMETER

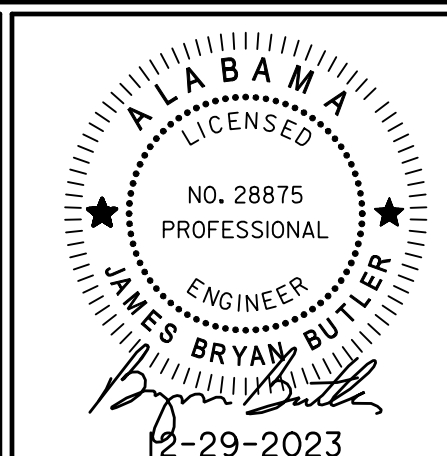
NOTE:
ALL M.J. FITTING SHALL BE INSULATED USING R.J. RETAINER GLAND (MEGALUG OR APPROVED EQUAL). ANY FITTING WHERE R.J. ADAPTERS CAN NOT BE USED, CONCRETE THRUST BLOCKING SHALL BE USED AS AN ALTERNATE FOR JOINT RESTRAINT DEVICES.

#	Revisions:	Date

CONSULTANTS:



Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420



PROJECT MANAGER

Ballard CLC, Inc.
Architects • Engineers • Surveyors
1009 Bayou Place
Alexandria, LA 71303
Tel. (318) 445-6571 Fax. (318) 448-0257

Ballard Project Number
224000

Office of
Construction
and Facilities
Management

U.S. Department
of Veterans Affairs

Drawing Title

**WATER LINE THRUST
BLOCKING DETAILS**

Location

TUSCALOOSA VA MEDICAL CENTER
3701 LOOP ROAD
TUSCALOOSA, AL, 35404

Project Title

**CORRECT FAILING SANITARY
SEWER, WATER MAIN, AND
FIRE PROTECTION DEFICIENCIES**

Approved

Date
DEC. 29, 2023

Checked
BCLC

Drawn
BCLC

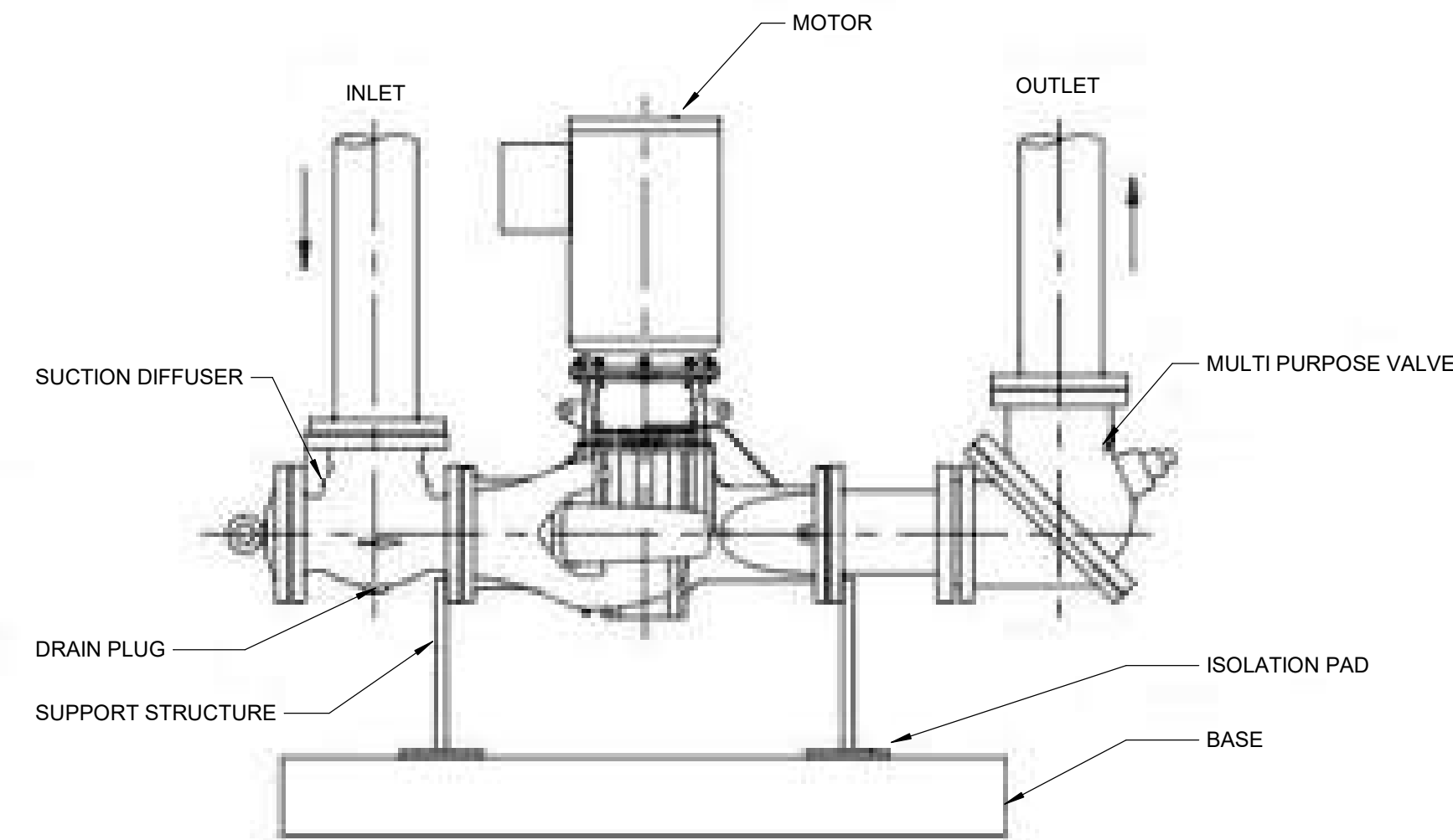
VA PROJECT NUMBER
679-21-102

Building Number
N/A

Drawing Number

C-306

Dwg. 27 of 27



1 FIRE PUMP DETAIL
Scale: No Scale

FIRE SUPPRESSION SYMBOLS & ABBREVIATIONS		
NOTE: NOT ALL SYMBOLS MAY BE USED ON THIS PROJECT		
—FL—	FIRE LINE	FPC FIRE PROTECTION CONTRACTOR
→DRAIN→	FIRE DRAIN	BACKFLOW PREVENTER
○	UPRIGHT SPRINKLER HEAD	EXTERIOR ALARM GONG (WATER ACTIVATED)
●	SEMI-RECESSED SPRINKLER HEAD	CHECK VALVE
●	CONCEALED SPRINKLER HEAD	GATE VALVE
●	PENDANT SPRINKLER HEAD	TEST AND DRAIN ASSEMBLY
◀	SIDEWALL SPRINKLER HEAD	TAMPER SWITCH
↔	FIRE DEPARTMENT CONNECTION (FDC)	FLOW SWITCH
#	NEW WORK KEYNOTE	LIGHT HAZARD
#	DEMOLITION KEYNOTE	ORDINARY HAZARD GROUP 1 OCCUPANCY
↔	POINT OF NEW CONNECTION	ORDINARY HAZARD GROUP 2 OCCUPANCY
↔	LIMIT OF DEMOLITION	DETAIL MODULE NUMBER DETAIL OR SECTION MARK —SHOWN ON DRAWING

INFECTION CONTROL MEASURES	
1.	CONTRACTOR SHALL COMPLY WITH THE VA'S INFECTION CONTROL RISK ASSESSMENT REQUIREMENTS AND WRITTEN DUST CONTROL PLAN.
2.	EXISTING AIR QUALITY REQUIREMENTS AND OTHER UTILITY REQUIREMENTS FOR OCCUPIED AREAS SHALL BE MAINTAINED.
3.	RENOVATION AREAS SHALL BE ISOLATED FROM OCCUPIED AREAS DURING CONSTRUCTION USING AIRTIGHT BARRIERS. PROVIDE EXHAUST AIRFLOW IN A MANNER THAT SHALL BE SUFFICIENT TO MAINTAIN NEGATIVE AIR PRESSURE IN THE CONSTRUCTION ZONE. COORDINATE TEMPORARY BARRIERS WITH INTERIM LIFE SAFETY MEASURES.
4.	FIRE PROTECTION SYSTEM REVISIONS SHALL BE PROPERLY PERFORMED TO LIMIT WATERBORNE OPPORTUNISTIC PATHOGENS.
5.	CRUCIAL VENTILATION SPECIFICATIONS FOR AIR BALANCE AND FILTRATION SHALL BE VERIFIED BEFORE COR ACCEPTANCE.

BUILDING AND OCCUPANT SAFETY - INTERRUPTION OF FIRE PROTECTION SERVICE	
1.	DURING THE TIME THAT THE FIRE PROTECTION RENOVATION WORK IS BEING PERFORMED, AND THE FIRE PROTECTION SYSTEM IS OUT OF COMMISSION, CONTRACTOR SHALL HAVE SUFFICIENT PERSONNEL ON-SITE TO KEEP A 'FIRE WATCH' ON THE FACILITY IN ACCORDANCE WITH VA REQUIREMENTS. AN OUT OF SERVICE TAG MUST BE PLACED AT THE FIRE ALARM PANEL AND THE FIRE DEPARTMENT CONNECTION. REFER TO INTERNATIONAL FIRE CODE CHAPTER 9, SECTION 901.7.
2.	FIRE WATCH PERSONNEL ARE TO KEEP WATCH FOR FIRES IN THE GENERAL AREA OF PERFORMANCE, THE PERSONS PERFORMING THE FIRE WATCH ARE NOT PERMITTED TO PERFORM ANY OTHER DUTIES.
3.	FIRE WATCH PERSONNEL ARE TO HAVE FIRE EXTINGUISHING EQUIPMENT READILY AVAILABLE AND TO BE TRAINED IN ITS USE.
4.	THE QUANTITY OF PERSONNEL INVOLVED IN THE FIRE WATCH IS TO BE ADEQUATE SUCH THAT EACH FLOOR, LEVEL, AND ROOM OF THE FIRE AREA IS COVERED.

FIRE SUPPRESSION DEMOLITION GENERAL NOTES	
1.	LOCATIONS SHOWN FOR EXISTING FIRE PROTECTION PIPE AND EQUIPMENT ARE APPROXIMATE. FIELD VERIFY THE EXACT LOCATIONS OF EXISTING FIRE PROTECTION LINES AND EQUIPMENT INCLUDING RISERS AND VALVES PRIOR TO START OF WORK.
2.	COORDINATE WITH COR FOR ANY SHUTDOWNS OR PLANNED INTERRUPTIONS OF THE FIRE PROTECTION SERVICE. GIVE THE COR THREE (3) DAYS NOTICE PRIOR TO PLANNED SHUTDOWN OR INTERRUPTION.
3.	COORDINATE DEMOLITION OF FIRE PROTECTION PIPING WITH OTHER PIPING WHICH IS NOT TO BE REMOVED. PROTECT OTHER PIPING WHICH IS NOT TO BE REMOVED FROM DAMAGE, DIRT, AND DEBRIS.
4.	FIRE PROTECTION RELATED EQUIPMENT AND PIPING WHICH IS REMOVED FROM THE BUILDING IS TO BE TAKEN OFFSITE AND DISPOSED OF.

FIRE SUPPRESSION GENERAL NOTES	
1.	USE NFPA-13 (CURRENT EDITION), "PLANS AND CALCULATIONS" CHAPTER AS A GUIDELINE WHEN PREPARING SUBMITTALS FOR REVIEW. DISREGARD ONLY THOSE ITEMS NOT APPLICABLE TO THE INDIVIDUAL BUILDING SYSTEM. FIRE PROTECTION MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA-13 FOR THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEM.
2.	INSTALLATION SHALL COMPLY WITH NFPA AND VA REQUIREMENTS. SYSTEM SHALL ALSO BE IN COMPLIANCE WITH ALL REQUIRED PLUMBING CODES.
3.	REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND ROOM FINISH SCHEDULE WHICH INDICATE CEILING HEIGHTS. COORDINATE WITH ARCHITECT'S REFLECTED CEILING PLAN FOR LOCATION OF SPRINKLER HEADS IN AREAS WITH CEILINGS. LOCATE HEADS IN AREAS WITHOUT CEILINGS AS REQUIRED BY NFPA AND VA REQUIREMENTS FOR THE APPROPRIATE HAZARD CLASSIFICATION.
4.	THIS FACILITY IS FULLY SPRINKLERED. FIRE SUPPRESSION SYSTEM SHALL BE WET PIPE TYPE SYSTEM WITH COMPLETE SPRINKLER PROTECTION UNLESS NOTED OTHERWISE. SYSTEM TO BE DESIGNED AS REQUIRED BY NFPA AND VA REQUIREMENTS FOR THE APPROPRIATE HAZARD CLASSIFICATION.
5.	PIPING IS SHOWN IN SCHEMATIC FORM TO INDICATE APPROXIMATE ARRANGEMENT OF EQUIPMENT AND PIPING. SPRINKLER CONTRACTOR SHALL DESIGN THE SYSTEM AND ROUTE PIPING AS REQUIRED FOR CONFORMANCE WITH ACTUAL BUILDING CONDITIONS AND NFPA REQUIREMENTS. COORDINATE SPRINKLER WORK WITH ALL OTHER TRADES TO AVOID CONFLICT.
6.	SUPPORT NEW PIPING AND EQUIPMENT FROM STRUCTURE. PROVIDE ALL SUPPLEMENTAL STEEL TO SPAN BETWEEN PRIMARY BUILDING STRUCTURAL MEMBERS. DESIGN SUPPLEMENTAL STEEL AND SUPPORTS INCLUDING REACTION LOADS AT PRIMARY BUILDING STRUCTURAL MEMBERS.
7.	CLEAN ENTIRE WORK AREA OF ALL DUST, DIRT, AND OTHER DEBRIS. MAINTAIN WORK AREA IN CLEAN CONDITION.
8.	PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, ETC. REQUIRED FOR COMPLETE AND FUNCTIONAL SYSTEM AS SPECIFIED AND INDICATED ON THE DRAWINGS.
9.	REPAIR OR REPLACE NON-CONFORMING AND INADEQUATE WORK AT NO ADDITIONAL COST TO THE VA.
10.	PROVIDE FIRE STOPS / SEALANT AT ALL PIPE PENETRATIONS THROUGHOUT FIRE RATED WALLS. REVIEW ARCHITECTURAL PLANS PRIOR TO BIDDING AND INDICATE PENETRATIONS ON SPRINKLER LAYOUT SUBMITTAL.
11.	FLOW AND TAMPER SWITCHES ARE TO BE PURCHASED AND INSTALLED AS WORK OF DIVISION 21. PROVIDE WIRING TO FLOW AND TAMPER SWITCHES AS WORK OF DIVISION 26.
12.	WATER SERVICE AND DETECTOR TYPE REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER TO BE PROVIDED AND TESTED AS WORK OF DIVISION 22. INCORPORATE ASSOCIATED PRESSURE DROP OF SELECTED BACKFLOW PREVENTER DEVICE IN HYDRAULIC CALCULATIONS.

WALL RATING LEGEND	
◆◆◆◆◆◆◆◆◆◆	2 HOUR FIRE SEPARATION
◆◆◆◆◆◆◆◆◆◆	1 HOUR FIRE SEPARATION
—S—S—S—S—	SMOKE RATED

FIRE PUMP SCHEDULE														
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM	TYPE	CIRCULATING FLUID				ELECTRICAL MOTOR				REMARKS	
					FLUID	FLOW	HEAD	TEMPERATURE	NOMINAL POWER	PHASE	VOLT	RPM		SPEED CONTROL
1-FP-1	ELEC/MECH 6	BLDG 1	FIRE PROTECTION	VERTICAL, SPLIT CASING	WATER	500.0 GPM	40 psig	60°F	20 hp	3	200	1770	VARIABLE	1, 2, 3, 4, 5

- REMARKS:**
- PUMP SHALL BE ELECTRICALLY POWERED.
 - SUCTION PRESSURE AT PUMP INLET MINIMUM 40 PSIG.
 - PROVIDE SOFT START FIRE PUMP CONTROLLER.
 - FIRE PUMP CONTROLLER SHALL HAVE MODBUS COMMUNICATION CAPABILITIES.
 - BASIS OF DESIGN IS PENTAIR AURORA VERTICAL SPLIT CASE ELECTRIC DRIVE FIRE PUMP 4-483-11A.

THE FIRE PROTECTION DRAWING IS DESIGNED TO BE IN CONFORMANCE WITH NFPA 13. IT IS A PERFORMANCE BASED DRAWING INDICATING THE EXTENT OF FIRE PROTECTION WORK FOR THE AREA THAT THIS DRAWING REPRESENTS. THIS DRAWING IS FOR INFORMATION ONLY, AS A REFERENCE FOR THE FIRE PROTECTION CONTRACTOR TO BASE THE DESIGN OF THE FIRE PROTECTION SYSTEM ON. THE CONTRACTOR SHALL VERIFY THE EXACT CONDITIONS THAT THIS DRAWING REPRESENTS, INCLUDING ANY PERCEIVED CONCEALED SPACES, AND THE BUILDING TYPE AND CONSTRUCTION, PRIOR TO THE START OF WORK. REFER TO NFPA 13, AND THE PROJECT SPECIFICATIONS FOR OTHER FIRE PROTECTION REQUIREMENTS.

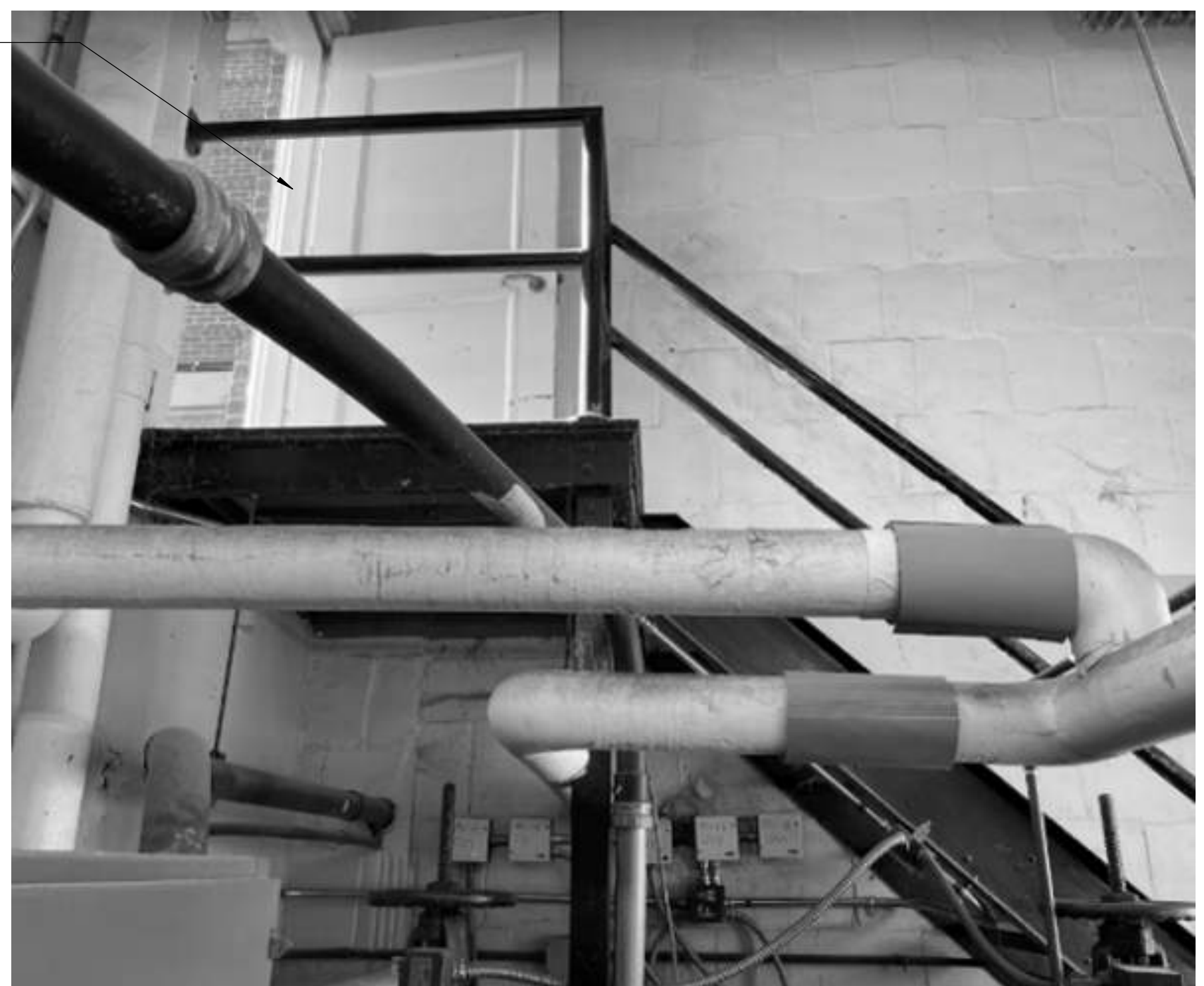
**FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS**

#	Revisions:	Date	CONSULTANTS Headquarters: Apogee Consulting Group, P.A. 1151 Kildaire Farm Road, Suite 120 Cary, North Carolina 27511 www.acg-pa.com 919-858-7420 <small>© COPYRIGHT Apogee Consulting Group, P.A.</small>	 Daniel J. Royster PROFESSIONAL ENGINEER STATE OF NORTH CAROLINA 12/23/2023	 U.S. Department of Veterans Affairs	PROJECT MANAGER Ballard Project Number 224000 Architects Engineers Surveyors 1009 Bayou Place Alexandria, LA 71303 Tel: (518) 445-6571 Fax: (518) 448-0257	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title FIRE SUPPRESSION GENERAL INFORMATION	Project Title CORRECT FAILING SANITARY SEWER, WATER MAIN, & FIRE PROTECTION DEFICIENCIES	VA PROJECT NUMBER 679-21-102
								Location TUSCALOOSA VA MEDICAL CENTER 3701 LOOP ROAD TUSCALOOSA, AL 35404	Approved Date DEC. 29, 2023 Checked DJR Drawn TB	Building Number # 1



EXISTING FIRE PUMP WITH MOTOR TO BE REPLACED
EXISTING CONCRETE PAD TO REMAIN

3 PHOTO OF EXISTING FIRE PUMP AREA
Scale: No Scale



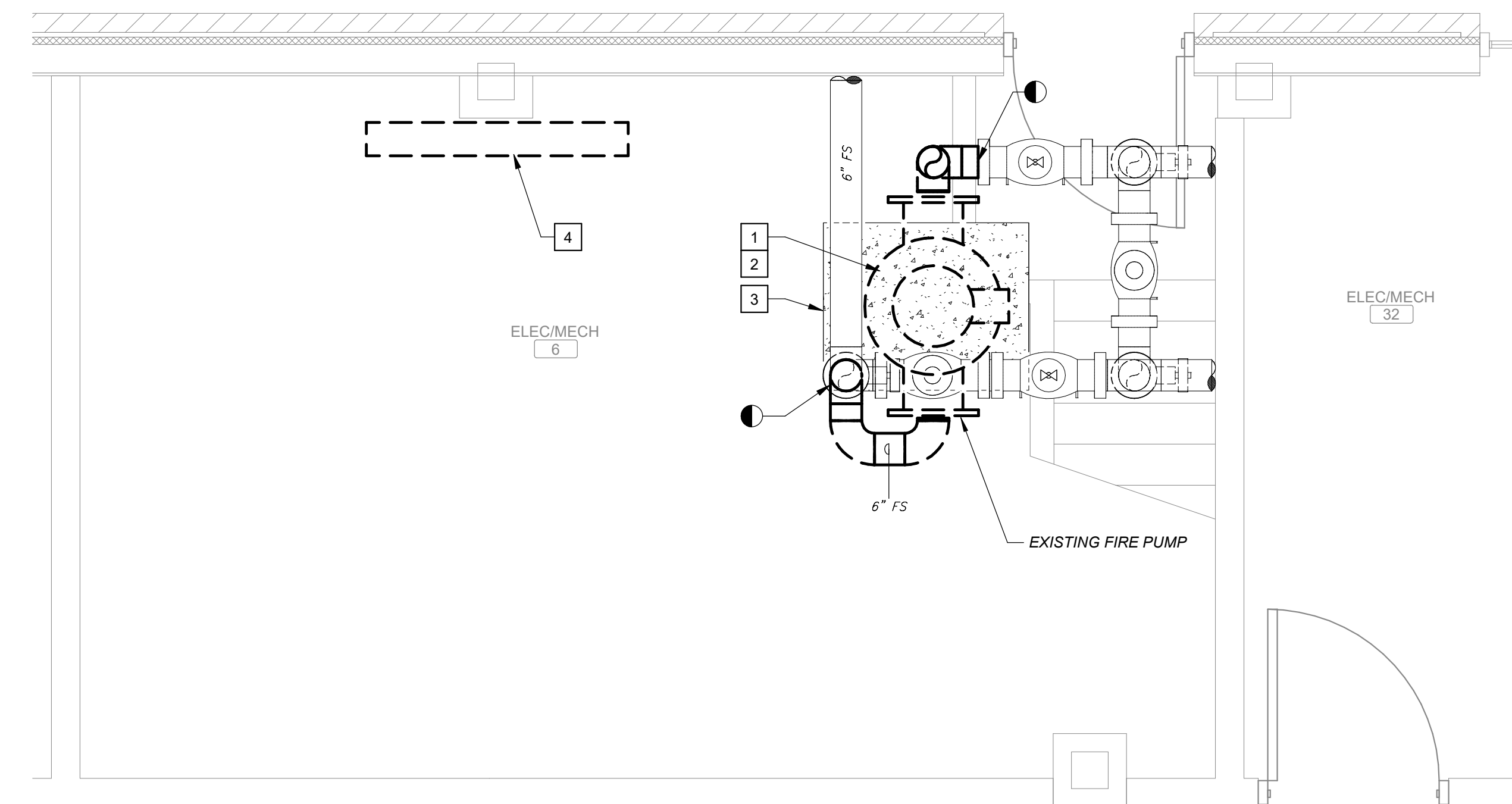
ACCESS DOOR ON THE GROUND FLOOR

4 PHOTO OF EXISTING FIRE PUMP AREA ACCESS
Scale: No Scale

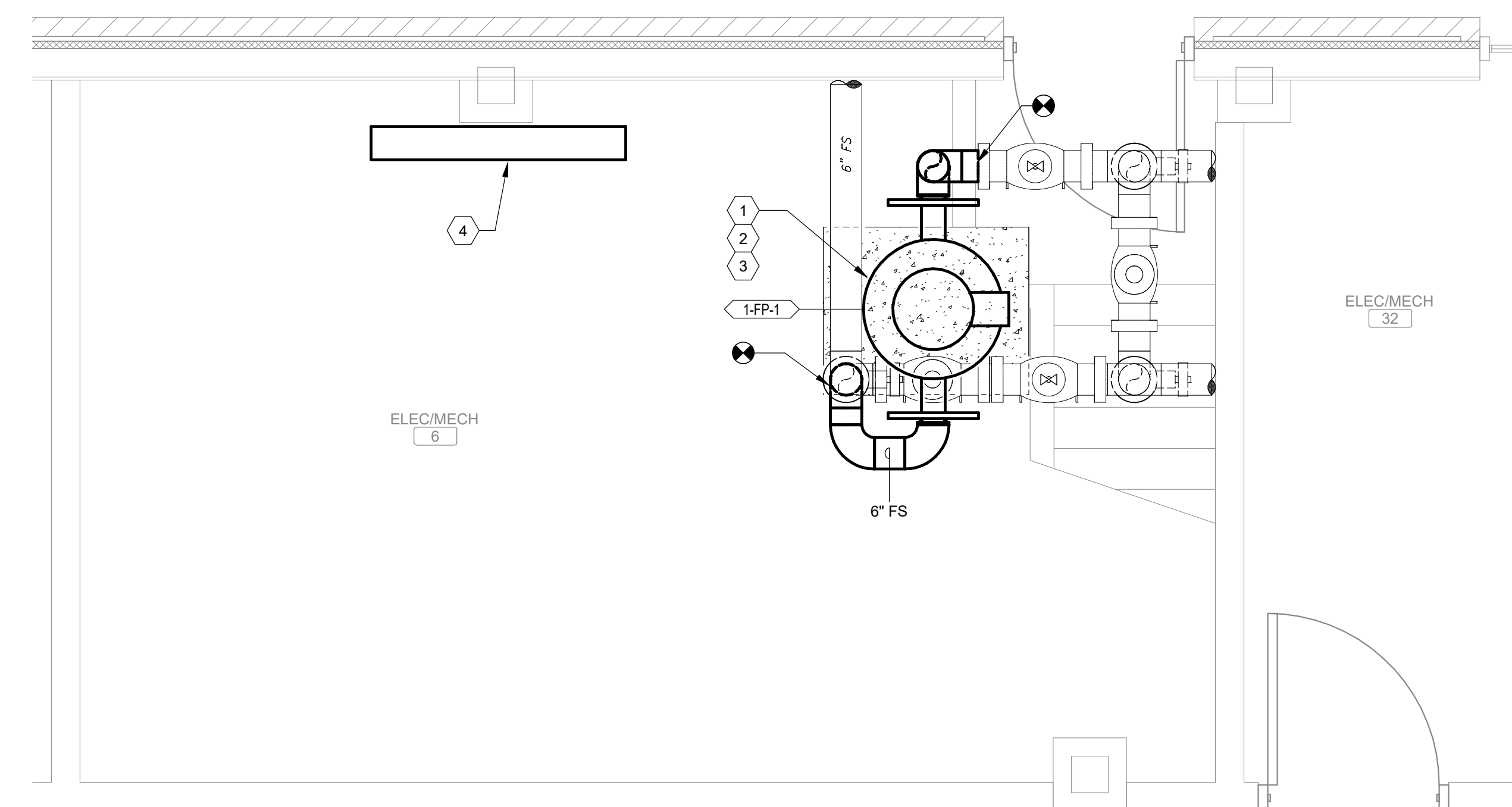


EXISTING FIRE PUMP CONTROLLER TO BE REPLACED

5 PHOTO OF EXISTING FIRE PUMP CONTROLLER
Scale: No Scale



1 GROUND FLOOR / BASEMENT FIRE SUPPRESSION DEMOLITION PLAN
Scale: 1/2" = 1'-0"



2 GROUND FLOOR / BASEMENT FIRE SUPPRESSION PLAN
Scale: 1/2" = 1'-0"

SHEET NOTES:

- COORDINATE ALL WORK WITH THE OTHER GENERAL CONTRACTOR, ALL OTHER TRADES, AND THE COR TO AVOID CONFLICTS DURING CONSTRUCTION.
- SPRINKLER PROTECTION DURING CONSTRUCTION SHALL BE PROVIDED PER VA REQUIREMENTS.

KEY NOTES:

- REMOVE EXISTING FIRE PUMP AND PIPING BACK TO THE LIMITS OF DEMOLITION. PRESERVE THE REST EXISTING FIRE PIPING ROUGH-IN FOR RECONNECTION TO NEW FIRE PUMP.
- DISCONNECT ELECTRICAL CONNECTIONS FROM FIRE PUMP DISCONNECT, CONTROLLER, AND FIRE PUMP.
- EXISTING CONCRETE PAD TO REMAIN AS IS.
- DEMOLISH EXISTING FIRE PUMP CONTROLLER.

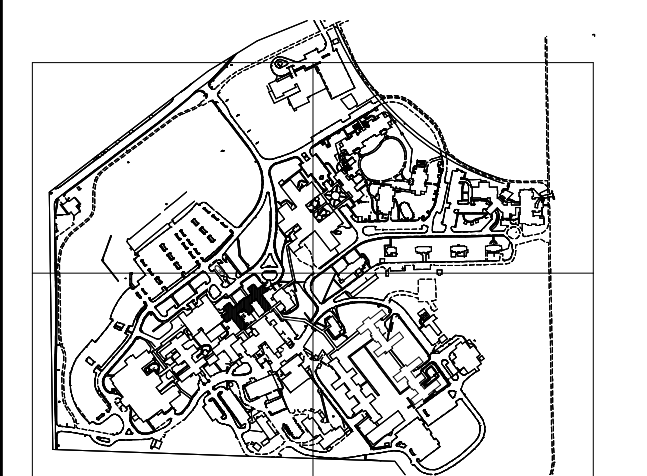
KEY NOTES:

- PROVIDE NEW FIRE PUMP WITH INLET/OUTLET PIPING IN THE SAME LOCATION. RECONNECT IT TO THE EXISTING SYSTEM.
- FIRE PUMP IS LOCATED IN BASEMENT. ENTRANCE IN BASEMENT IS FROM GROUND FLOOR.
- RECONNECT ELECTRICAL CONNECTIONS FROM FIRE PUMP DISCONNECT, CONTROLLER, AND FIRE PUMP.
- PROVIDE NEW FIRE PUMP CONTROLLER.

KEY PLAN

SCALE: NO SCALE

AREA OF WORK



**FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS**

#	Revisions:	Date

CONSULTANTS

APOGEE
Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511

www.acg-pa.com 919-858-7420

© COPYRIGHT Apogee Consulting Group, P.A.

C.A.B.A.W.
Daniel J. Royster
PROFESSIONAL
ENGINEER
IN CHARGE
12/23/2023

VA U.S. Department of Veterans Affairs

PROJECT MANAGER

Ballard CLC, Inc.
Architects | Engineers | Surveyors
1009 Bayou Place
Alexandria, LA 71303
Tel: (318) 445-6571 Fax: (318) 448-0257

Ballard Project Number 224000

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
GROUND FLOOR / BASEMENT FIRE SUPPRESSION DEMOLITION PLAN AND FIRE SUPPRESSION PLAN

Location
TUSCALOOSA VA MEDICAL CENTER
3701 LOOP ROAD
TUSCALOOSA, AL 35404

Project Title
CORRECT FAILING SANITARY SEWER, WATER MAIN, & FIRE PROTECTION DEFICIENCIES

Approved

Date: DEC. 29, 2023

Checked: DJR

Drawn: TB

VA PROJECT NUMBER
679-21-102

Building Number
1

Drawing Number
FX101

Dwg 2 of 2