

CONNECTICUT WATER COMPANY

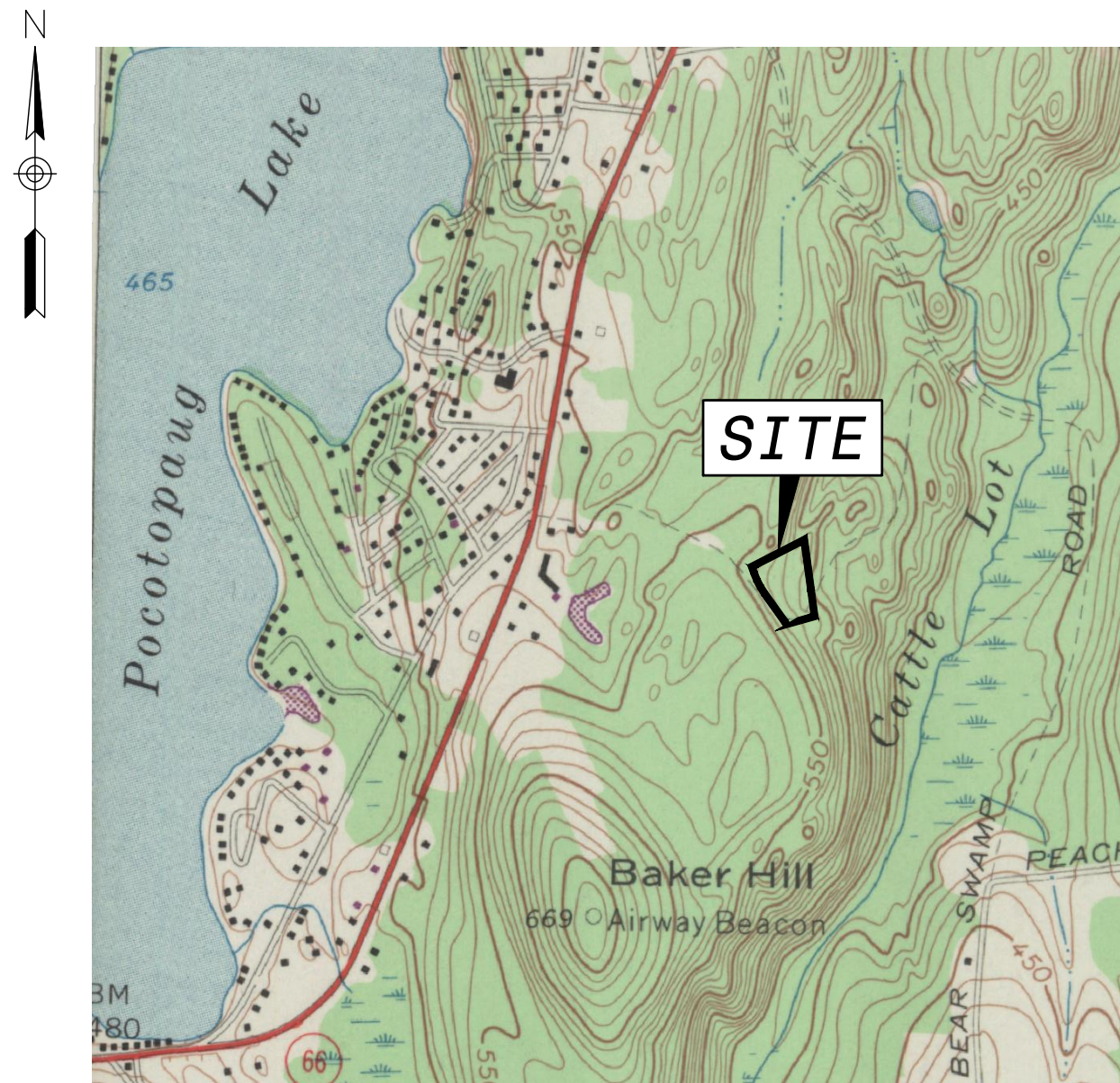
EDGEWATER FILTRATION FACILITY

204 EDGEWATER CIRCLE (ASSESSOR'S PARCEL ID: 10A-85-15)
EAST HAMPTON, CONNECTICUT

Weston & Sampson
Weston & Sampson Engineers, Inc.
712 Brook Street
Rocky Hill, CT 06067
978.532.1900 800.SAMPSON
www.westonandsampson.com

Applicant:
ConnecticutWater

Connecticut Water Co.
93 West Main Street
Clinton, CT 06413
800.296.5700
cwater.com



USGS LOCUS MAP
SCALE: 1"=1000'±



LOCUS MAP
SCALE: 1"=200'±

DRAWING INDEX

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6.28.2021
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Issued Date:
JUNE 24, 2021

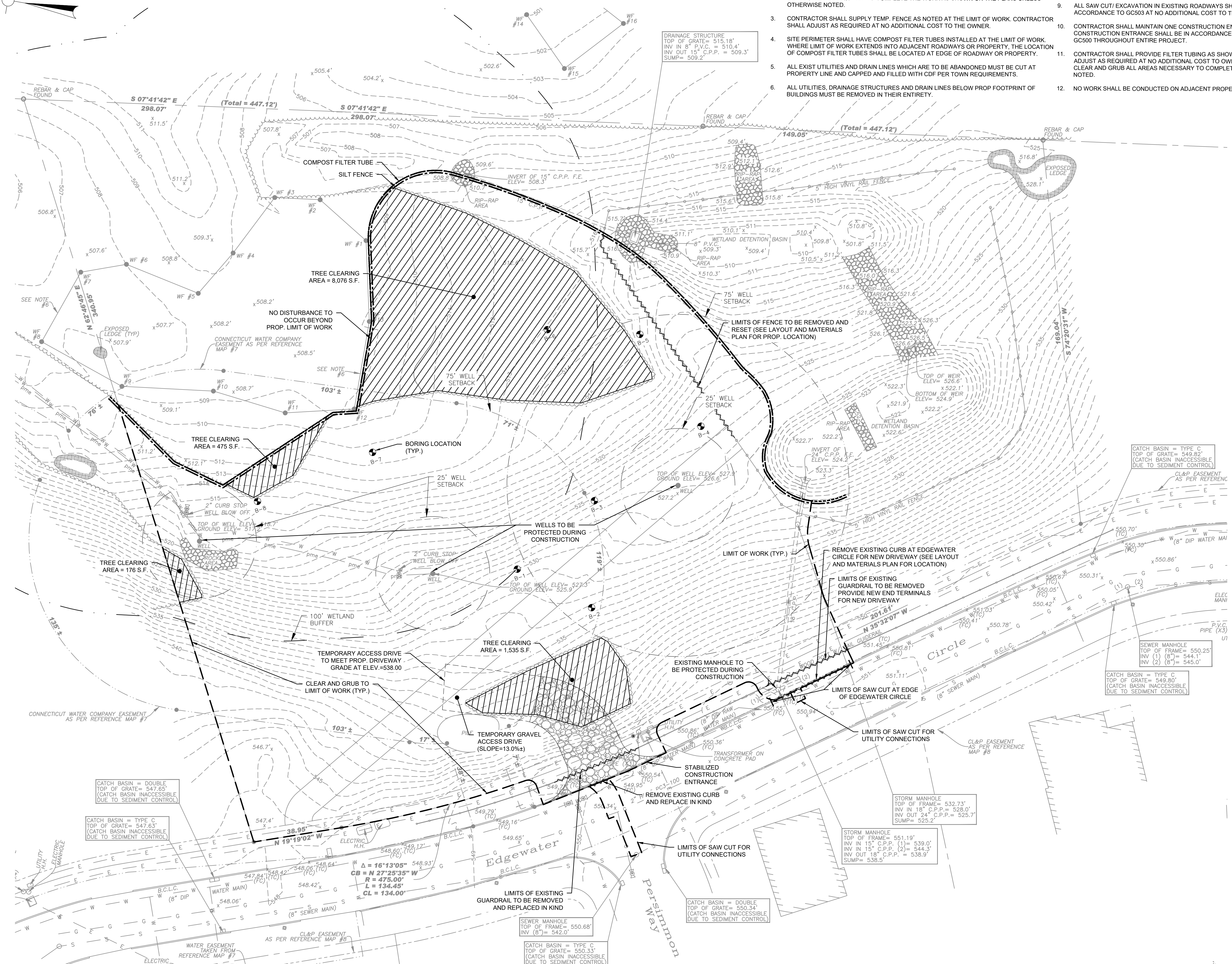
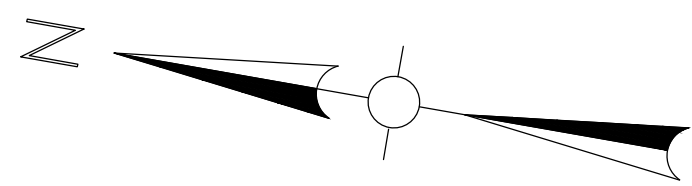


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- NOTES:
- ALL EXISTING PIPES TO BE ABANDONED SHALL BE FILLED WITH FLOWABLE FILL(CDF).
 - ALL EXISTING UTILITIES, PIPES, STRUCTURES, OBSERVATION WELLS, ETC. SHALL BE ABANDONED AS REQUIRED TO COMPLETE THE WORK AS SHOWN ON THE PLANS UNLESS OTHERWISE NOTED.
 - CONTRACTOR SHALL SUPPLY TEMP. FENCE AS NOTED AT THE LIMIT OF WORK. CONTRACTOR SHALL ADJUST AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
 - SITE PERIMETER SHALL HAVE COMPOST FILTER TUBES INSTALLED AT THE LIMIT OF WORK. WHERE LIMIT OF WORK EXTENDS INTO ADJACENT ROADWAYS OR PROPERTY, THE LOCATION OF COMPOST FILTER TUBES SHALL BE LOCATED AT EDGE OF ROADWAY OR PROPERTY.
 - ALL EXIST UTILITIES AND DRAIN LINES WHICH ARE TO BE ABANDONED MUST BE CUT AT PROPERTY LINE AND CAPPED AND FILLED WITH CDF PER TOWN REQUIREMENTS.
 - ALL UTILITIES, DRAINAGE STRUCTURES AND DRAIN LINES BELOW PROP FOOTPRINT OF BUILDINGS MUST BE REMOVED IN THEIR ENTIRETY.
 - ALL VOIDS CREATED BY REMOVAL OF EXISTING ELEMENTS SHALL BE BACKFILLED WITH GRAVEL BORROW IN ACCORDANCE WITH 31 23 00.
 - SAW CUTTING SHALL BE CONDUCTED ALONG THE LIMIT OF WORK OF EDGEWATER CIRCLE AS NECESSARY TO INSTALL DRIVEWAYS, GRANITE CURB AND UTILITIES.
 - ALL SAW CUT/ EXCAVATION IN EXISTING ROADWAYS SHALL BE RESTORED IN ACCORDANCE TO GC503 AT NO ADDITIONAL COST TO THE OWNER.
 - CONTRACTOR SHALL MAINTAIN ONE CONSTRUCTION ENTRANCE/PAD. CONSTRUCTION ENTRANCE SHALL BE IN ACCORDANCE WITH DETAIL 2 ON SHEET GC500 THROUGHOUT ENTIRE PROJECT.
 - CONTRACTOR SHALL PROVIDE FILTER TUBING AS SHOWN. CONTRACTOR SHALL ADJUST AS REQUIRED AT NO ADDITIONAL COST TO OWNER. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS NECESSARY TO COMPLETE THE WORK, EXCEPT AS NOTED.
 - NO WORK SHALL BE CONDUCTED ON ADJACENT PROPERTY.

Project:
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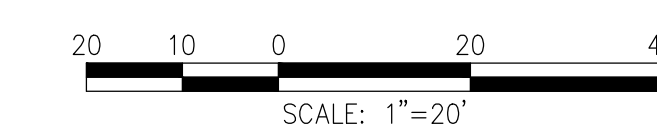
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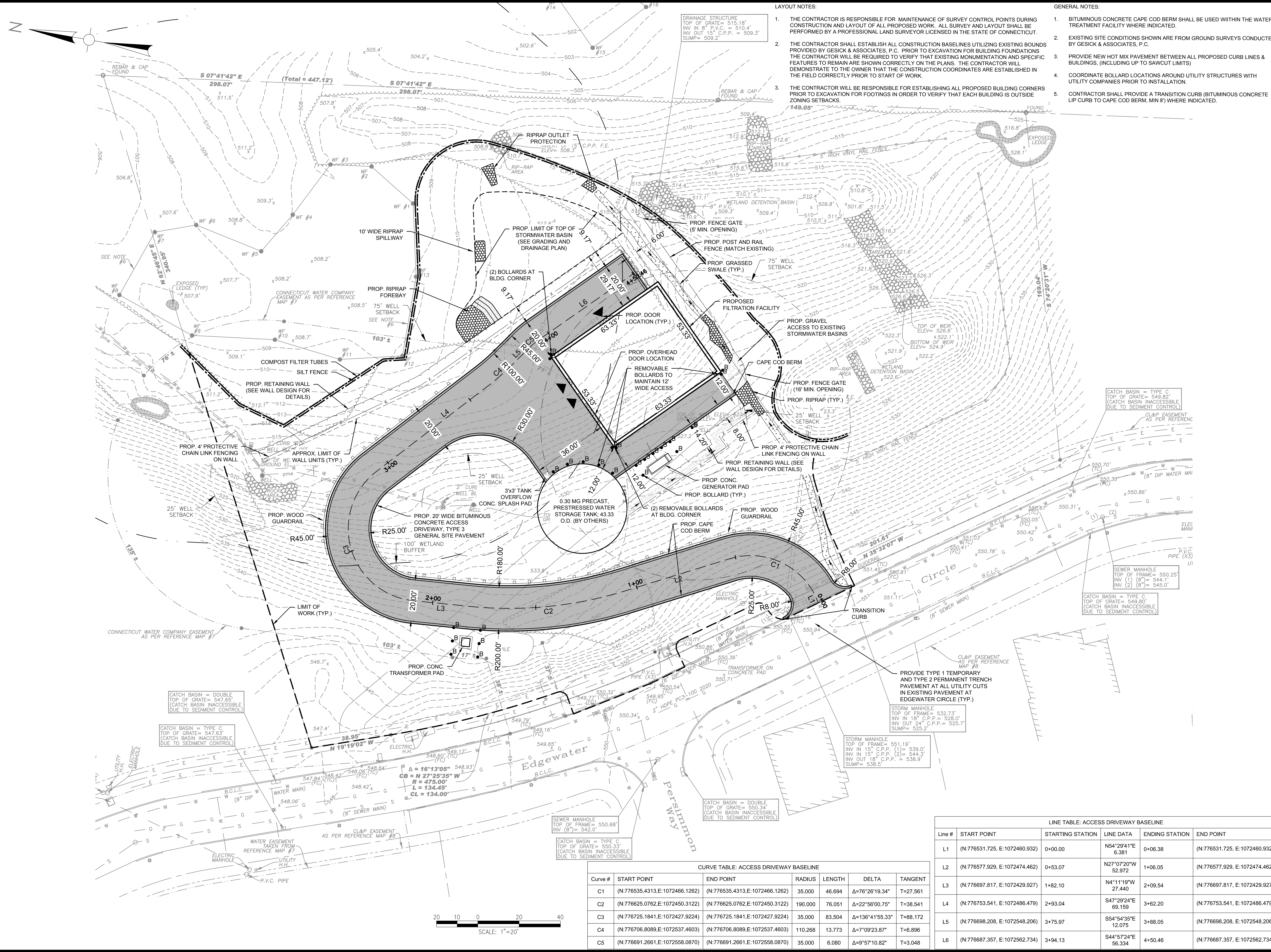
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Drawing Title:
SITE PREPARATION & EROSION AND SEDIMENT CONTROL PLAN
 Sheet Number:
C100
 Rev. 2.0 Date: July 2020
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- LAYOUT NOTES:**
1. THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF SURVEY CONTROL POINTS DURING CONSTRUCTION AND LAYOUT OF ALL PROPOSED WORK. ALL SURVEY AND LAYOUT SHALL BE PERFORMED BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF CONNECTICUT.
 2. THE CONTRACTOR SHALL ESTABLISH ALL CONSTRUCTION BASELINES UTILIZING EXISTING BOUNDS PROVIDED BY GESICK & ASSOCIATES, P.C. PRIOR TO EXCAVATION FOR BUILDING FOUNDATIONS. THE CONTRACTOR WILL BE REQUIRED TO VERIFY THAT EXISTING MONUMENTATION AND SPECIFIC FEATURES TO REMAIN ARE SHOWN CORRECTLY ON THE PLANS. THE CONTRACTOR WILL DEMONSTRATE TO THE OWNER THAT THE CONSTRUCTION COORDINATES ARE ESTABLISHED IN THE FIELD CORRECTLY PRIOR TO START OF WORK.
 3. THE CONTRACTOR WILL BE RESPONSIBLE FOR ESTABLISHING ALL PROPOSED BUILDING CORNERS PRIOR TO EXCAVATION FOR FOOTINGS IN ORDER TO VERIFY THAT EACH BUILDING IS OUTSIDE ZONING SETBACKS.
- GENERAL NOTES:**
1. BITUMINOUS CONCRETE CAPE COD BERM SHALL BE USED WITHIN THE WATER TREATMENT FACILITY WHERE INDICATED.
 2. EXISTING SITE CONDITIONS SHOWN ARE FROM GROUND SURVEYS CONDUCTED BY GESICK & ASSOCIATES, P.C.
 3. PROVIDE NEW HOT MIX PAVEMENT BETWEEN ALL PROPOSED CURB LINES & BUILDINGS, (INCLUDING UP TO SAWCUT LIMITS)
 4. COORDINATE BOLLARD LOCATIONS AROUND UTILITY STRUCTURES WITH UTILITY COMPANIES PRIOR TO INSTALLATION.
 5. CONTRACTOR SHALL PROVIDE A TRANSITION CURB (BITUMINOUS CONCRETE LIP CURB TO CAPE COD BERM, MIN 8") WHERE INDICATED.

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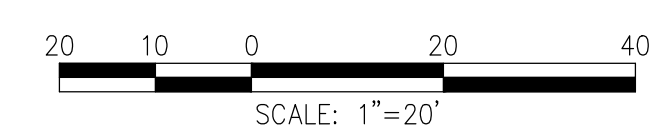
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LAYOUT AND MATERIALS
 Sheet Number:
C101

CURVE TABLE: ACCESS DRIVEWAY BASELINE

Curve #	START POINT	END POINT	RADIUS	LENGTH	DELTA	TANGENT
C1	(N:776535.4313,E:1072466.1262)	(N:776535.4313,E:1072466.1262)	35,000	46.694	Δ=76°26'19.34"	T=27.561
C2	(N:776625.0762,E:1072450.3122)	(N:776625.0762,E:1072450.3122)	190,000	76.051	Δ=22°56'00.75"	T=38.541
C3	(N:776725.1841,E:1072427.9224)	(N:776725.1841,E:1072427.9224)	35,000	83.504	Δ=136°41'55.33"	T=88.172
C4	(N:776706.8089,E:1072537.4603)	(N:776706.8089,E:1072537.4603)	110,268	13.773	Δ=7°09'23.87"	T=6.896
C5	(N:776691.2661,E:1072558.0870)	(N:776691.2661,E:1072558.0870)	35,000	6.080	Δ=9°57'10.82"	T=3.048

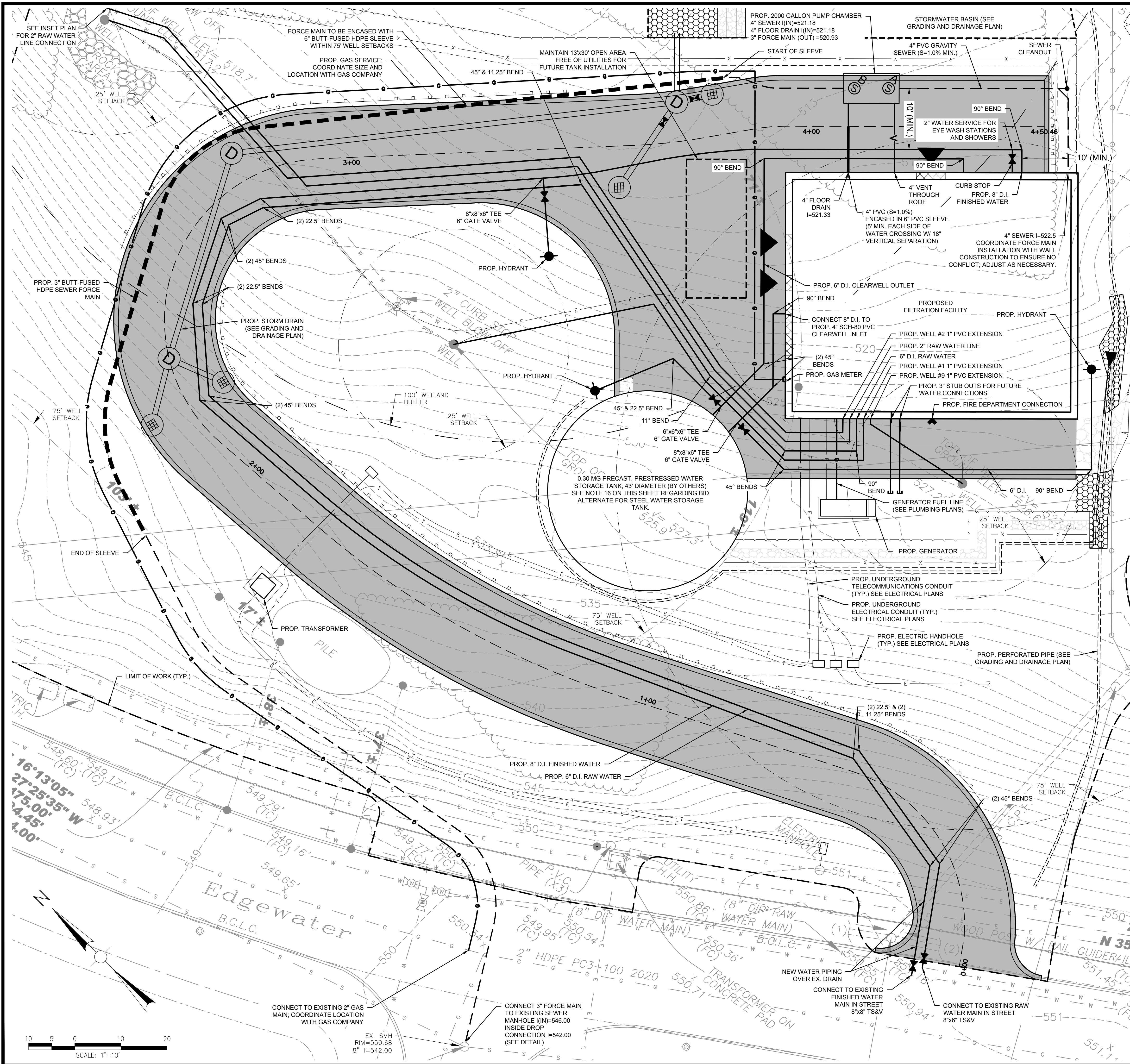
LINE TABLE: ACCESS DRIVEWAY BASELINE

Line #	START POINT	STARTING STATION	LINE DATA	ENDING STATION	END POINT
L1	(N:776531.725, E:1072460.932)	0+00.00	N54°29'41"E 6.381	0+06.38	(N:776531.725, E:1072460.932)
L2	(N:776577.929, E:1072474.462)	0+53.07	N27°07'20"W 52.972	1+06.05	(N:776577.929, E:1072474.462)
L3	(N:776697.817, E:1072429.927)	1+82.10	N4°11'19"W 27.440	2+09.54	(N:776697.817, E:1072429.927)
L4	(N:776753.541, E:1072486.479)	2+93.04	S47°29'24"E 69.159	3+62.20	(N:776753.541, E:1072486.479)
L5	(N:776698.208, E:1072548.206)	3+75.97	S54°54'35"E 12.075	3+88.05	(N:776698.208, E:1072548.206)
L6	(N:776687.357, E:1072562.734)	3+94.13	S44°57'24"E 56.334	4+50.46	(N:776687.357, E:1072562.734)



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Rev: 2.0 Date: July 2021



- GENERAL CONTRACTOR (G.C.) IS RESPONSIBLE FOR THE CONSTRUCTION OF THE DOMESTIC WATER LINES & SANITARY SERVICES INSIDE THE BUILDING AND EXTENDING FROM THE FACE OF THE BUILDING TO THE EXISTING WATER AND SEWER MAINS (SEE P-SERIES DRAWINGS).
- G.C. SHALL PROVIDE & INSTALL ALL SANITARY PIPING FROM THE BUILDING TO THE PUMP CHAMBER (INCLUDING PROVIDING & INSTALLING SEWER PUMP SYSTEM). THE G.C. SHALL CONNECT PIPING TO PUMP CHAMBER AND INSTALL PUMP SYSTEM. G.C. SHALL EXCAVATE & BACKFILL FOR ALL EXTERIOR PIPING AND PUMP CHAMBER.
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE G.C. SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE G.C. FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE G.C. AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.
- THE G.C. SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY OWNER.
- THE G.C. IS RESPONSIBLE FOR ADJUSTING HORIZONTAL AND VERTICAL ALIGNMENT OF PROPOSED UTILITIES AS REQUIRED TO COMPLETE THE PROPOSED DRAINAGE WORK. (SEE DRAWING STRUCTURES C103)
- THE G.C. TO PROVIDE ALL NECESSARY FITTINGS TO ACHIEVE WATER SERVICE LAYOUT AS SHOWN ON THE DRAWINGS.
- THE G.C. IS RESPONSIBLE FOR PROVIDING PROPER TRANSITION MATERIAL AND FITTINGS TO PROVIDE A TIGHT TRANSITION FROM DISSIMILAR PIPE MATERIALS FROM PLUMBING WORK TO G.C. WORK.
- THE G.C. SHALL BE RESPONSIBLE FOR THE EXCAVATION, SAND PIPE BEDDING, AND BACKFILL OF THE GAS LINE. THE PIPE INSTALLATION WILL BE THE RESPONSIBILITY OF THE GAS COMPANY FROM THE MAIN TO THE METER. THE GAS COMPANY WILL DETERMINE IN THE FIELD THE EXACT LOCATION FOR PROPER CONNECTION TO THE EXISTING GAS MAIN. G.C. SHALL EXCAVATE & BACKFILL FOR GAS LINE ACCORDINGLY.
- G.C. IS RESPONSIBLE FOR EXCAVATION AND BACKFILL FOR ALL UNDERGROUND CONDUITS/DUCTS/BANKS, HANDHOLES, PLUMBING, AND FIRE PROTECTION WORK WITHIN THE LIMITS OF THE PROPOSED BUILDING AND ON THE SITE. COORDINATE LIMITS OF WORK WITH P, H, AND E DRAWINGS FOR WORK NOT SHOWN ON THIS DRAWING.
- THE PAINTING CONTRACTOR SHALL PAINT ALL EXPOSED GAS LINE PIPING.
- ALL UNDERGROUND WORK SHALL BE COORDINATED WITH THE FINAL PLANTING PLAN TO AVOID PLANTINGS FROM BEING INSTALLED OVER NEW UTILITIES.
- G.C. TO INSTALL ALL NECESSARY FITTINGS TO CONNECT TO EXISTING WATER LINES.
- EXACT LOCATION OF GAS LINE TO BE DETERMINED BY CONTRACTOR BASED ON MINIMUM CLEARANCE FROM OTHER UTILITIES AND STRUCTURES AS REQUIRED BY UTILITY COMPANIES.
- HYDRANTS SHALL BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR.
- ALL PROPOSED WATER MAINS TO BE ENCASED WITH POLYETHYLENE WRAP.
- CONTRACTOR TO PROVIDE BENDS AT ALL ABRUPT CHANGES IN DIRECTION OF WATER PIPING.
- PRICING FOR THE STEEL WATER STORAGE TANK AS BID ALTERNATE SHALL BE PROVIDED IN ACCORDANCE WITH THE INSTRUCTIONS IN DIVISION 00 OF THE BID PACKAGE.

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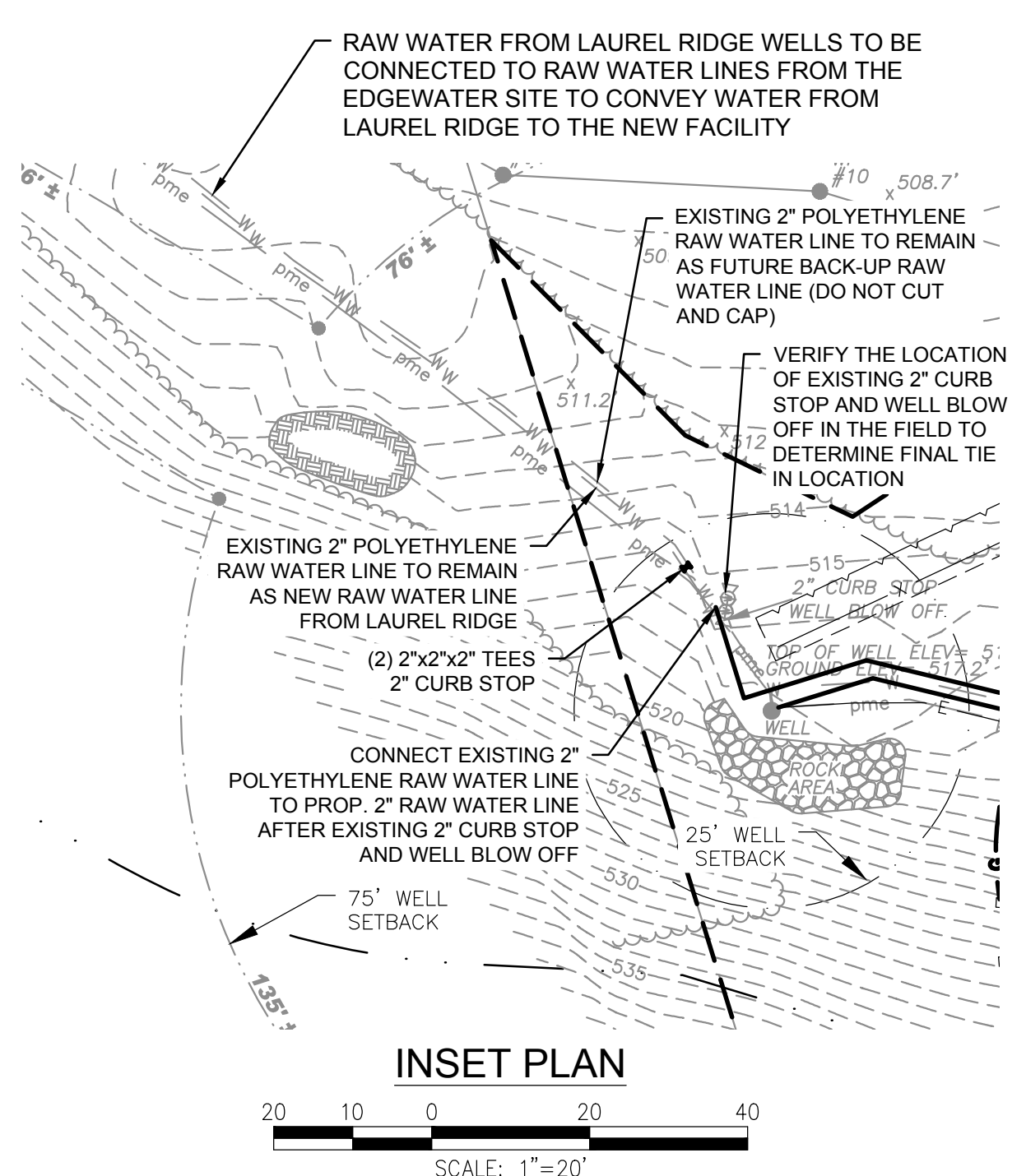
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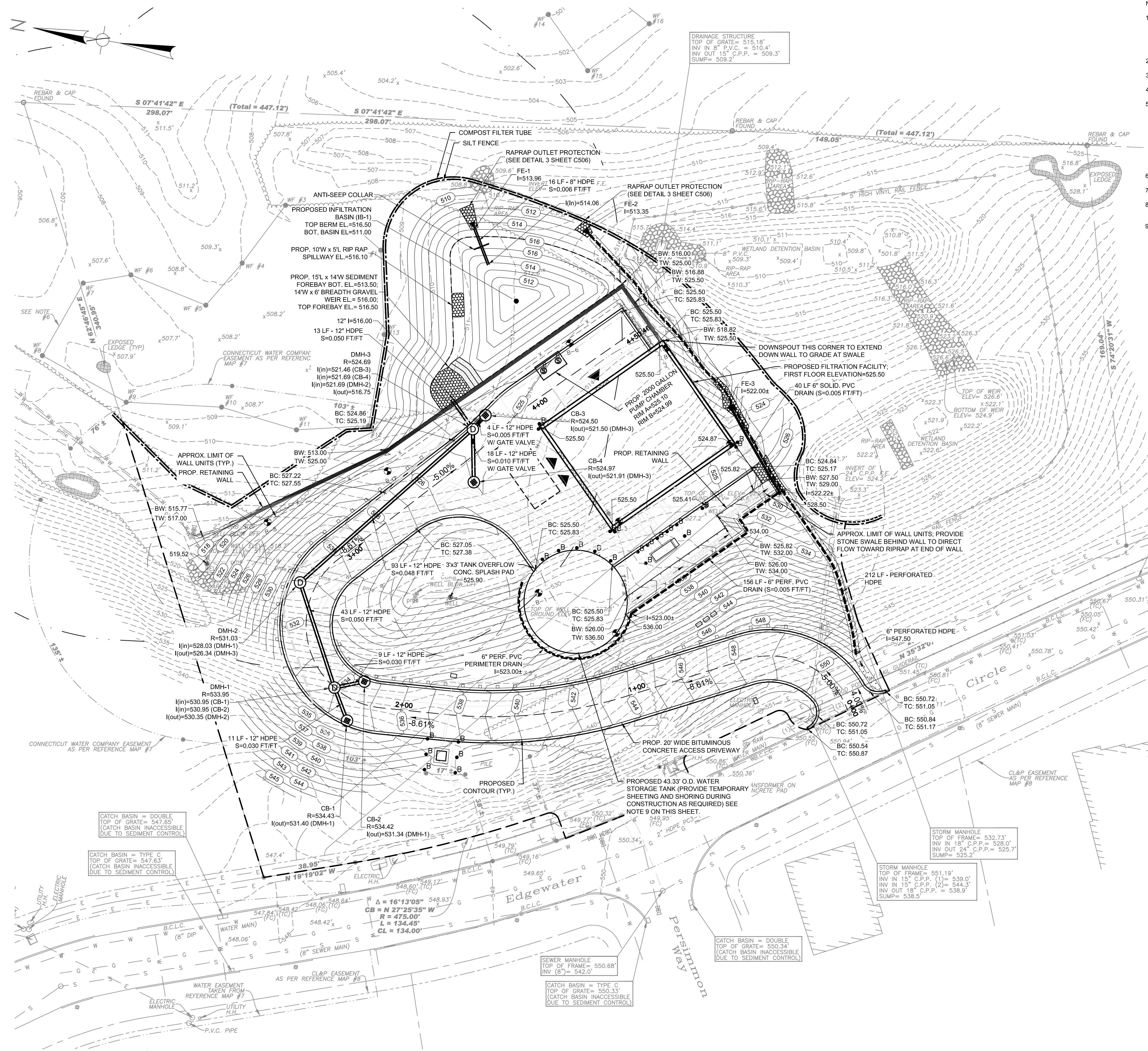
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Drawing Title:
UTILITY PLAN
 Sheet Number:
C102
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- NOTES:
- ALL EXISTING EARTHWORK MATERIALS MAY BE INCORPORATED IN THE WORK IF IN ACCORDANCE WITH THE SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE ADDITIONAL BACKFILL MATERIALS AS NEEDED AND AS SPECIFIED IN SECTION 31 23 00 (EARTHWORK). NO ON-SITE BACKFILL MATERIAL MAY BE USED AS PIPE TRENCH BACKFILL OR BELOW THE BUILDING SLAB AND FOUNDATION. UNLESS IT MEETS THE REQUIREMENTS OF THE SPECIFICATIONS.
 - UNLESS OTHERWISE NOTED ALL DRAIN PIPES SHALL BE 12" HIGH DENSITY POLYETHYLENE (HDPE).
 - UNLESS OTHERWISE NOTED, ALL DRAIN MANHOLES SHALL BE 4' DIAMETER.
 - ALL RIM ELEVATIONS SHALL BE FLUSH WITH FINISH GRADE.
 - THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED. BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.
 - ALL CATCH BASINS SHALL BE SET FLUSH AGAINST THE HMA BERM.
 - EROSION CONTROL FABRIC "A" SHALL BE USED FOR ALL SLOPES 3:1 OR STEEPER.
 - PROPOSED UTILITIES ARE SHOWN IN GRAY FOR ILLUSTRATION PURPOSES. SEE SHEET C102 FOR PROPOSED UTILITIES.
 - FOR THE STEEL WATER STORAGE TANK BID ALTERNATE DEFINED ON SHEET C102, A PERMANENT RETAINING WALL SHALL BE DESIGNED AND CONSTRUCTED. PRICING FOR THE PERMANENT RETAINING WALL SHALL BE INCLUDED IN THE BID ALTERNATE AS DEFINED IN DIVISION 00.

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No.	Date	Description

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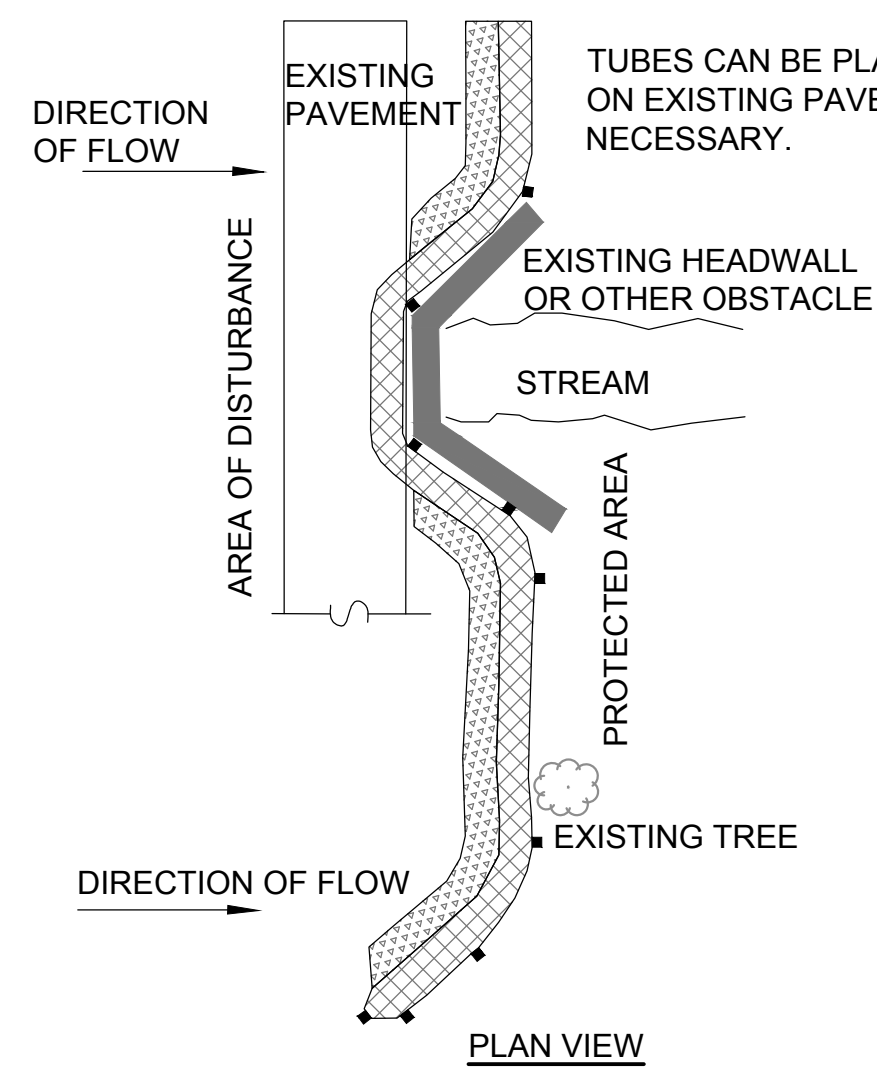
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INFILTRATION BASIN (IB-1) STAGE STORAGE TABLE

ELEVATION (FT.)	SURFACE AREA (S.F.)	CUMULATIVE STORAGE (C.F.)
511.00	170	0
512.00	400	277
513	715	827
514.00	1,130	1,741
515.00	1,615	3,107
516.00	2,175	4,995
516.50	2,500	6,183



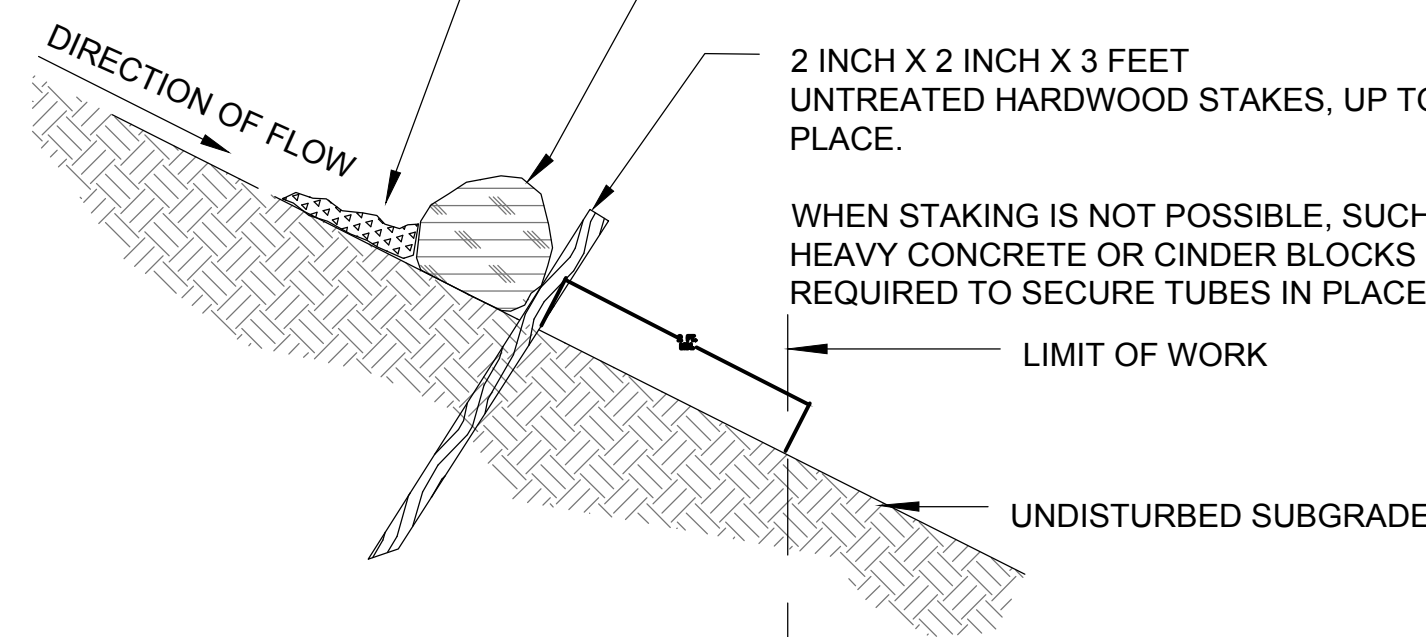
GENERAL NOTES:

1. PROVIDE A MINIMUM TUBE DIAMETER OF 12 INCHES FOR SLOPES UP TO 50 FEET IN LENGTH WITH A SLOPE RATIO OF 3H:1V OR STEEPER. LONGER SLOPES OF 3H:1V MAY REQUIRE LARGER TUBE DIAMETER OR ADDITIONAL COURSING OF FILTER TUBES TO CREATE A FILTER BERM. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR SITUATIONS WITH LONGER OR STEEPER SLOPES.
2. INSTALL TUBES ALONG CONTOURS AND PERPENDICULAR TO SHEET OR CONCENTRATED FLOW.
3. DO NOT INSTALL IN PERENNIAL, EPHEMERAL OR INTERMITTENT STREAMS.
4. CONFIGURE TUBES AROUND EXISTING SITE FEATURES TO MINIMIZE SITE DISTURBANCE AND MAXIMIZE CAPTURE AREA OF STORMWATER RUN-OFF.
5. MULCH MATERIAL FOR THE FILTER TUBES SHALL BE WEED-FREE STRAW, WOOD EXCELSIOR, COMPOST, OR WOOD CHIPS, OR COIR. STRAW SHALL BE WEED FREE AND DERIVED FROM THRESHING OF GRAIN CROP.

2 IN. DEEP x 12 IN. WIDE LAYER OF LOOSE COMPOST MATERIAL PLACED ON UPHILL/FLOW SIDE OF TUBES TO FILL SPACE BETWEEN SOIL SURFACE AND TUBES.

COMPOST FILTER TUBE MINIMUM 12 INCHES IN DIAMETER WITH AN EFFECTIVE HEIGHT OF 9.5 INCHES. TUBES FOR COMPOST FILTERS SHALL BE JUTE MESH OR APPROVED BIODEGRADABLE MATERIAL. ADDITIONAL TUBES SHALL BE USED AT THE DIRECTION OF THE ENGINEER.

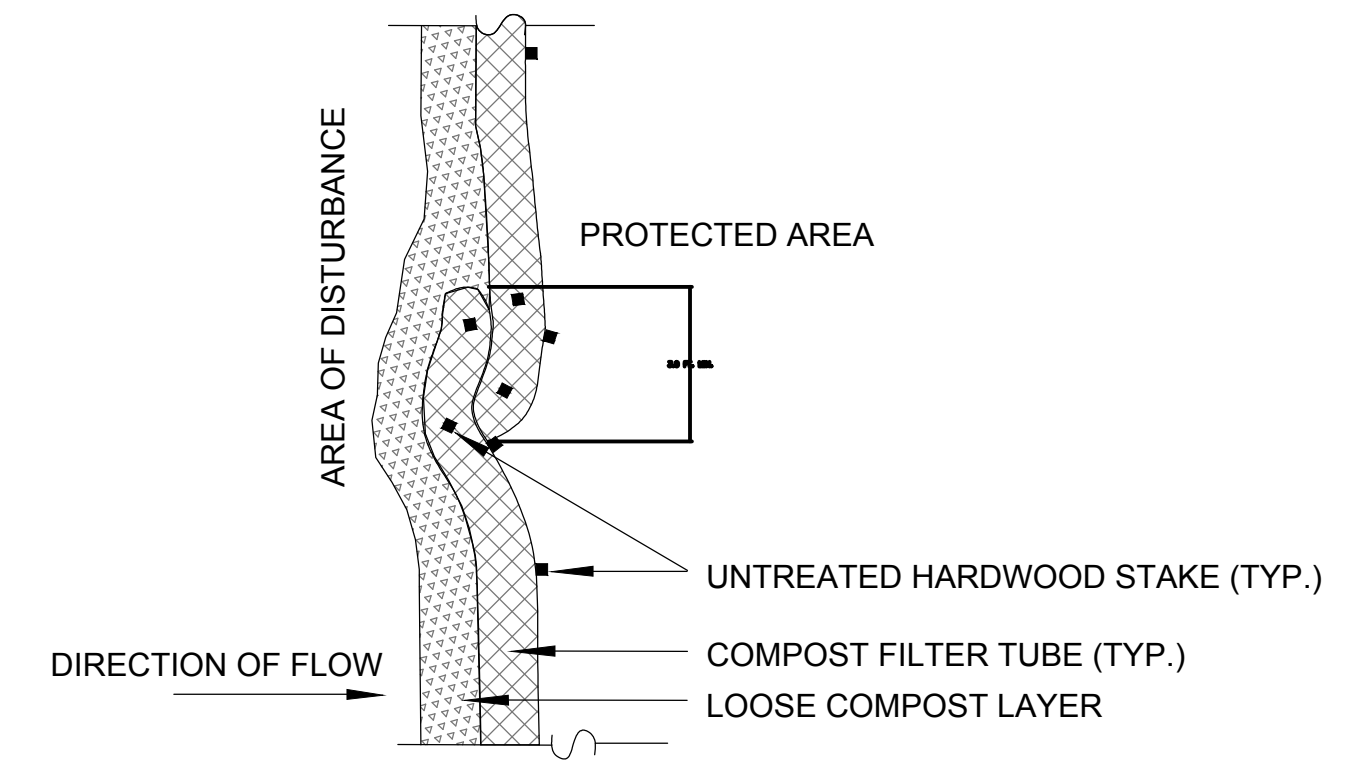
TAMP TUBES IN PLACE TO ENSURE GOOD CONTACT WITH SOIL SURFACE. IT IS NOT NECESSARY TO TRENCH TUBES INTO EXISTING GRADE.



WHEN STAKING IS NOT POSSIBLE, SUCH AS WHEN TUBES MUST BE PLACED ON PAVEMENT, HEAVY CONCRETE OR CINDER BLOCKS CAN BE USED BEHIND TUBES UP TO 5 FT. APART OR AS REQUIRED TO SECURE TUBES IN PLACE.

PROVIDE A 3 FT. MINIMUM OVERLAP AT ENDS OF TUBES TO JOIN IN A CONTINUOUS BARRIER AND MINIMIZE UNIMPEDED FLOW. STAKE JOINING TUBES SNUGLY AGAINST EACH OTHER TO PREVENT UNFILTERED FLOW BETWEEN THEM.

SECURE ENDS OF TUBES WITH STAKES SPACED 18 IN. APART THROUGH TOPS OF TUBES.

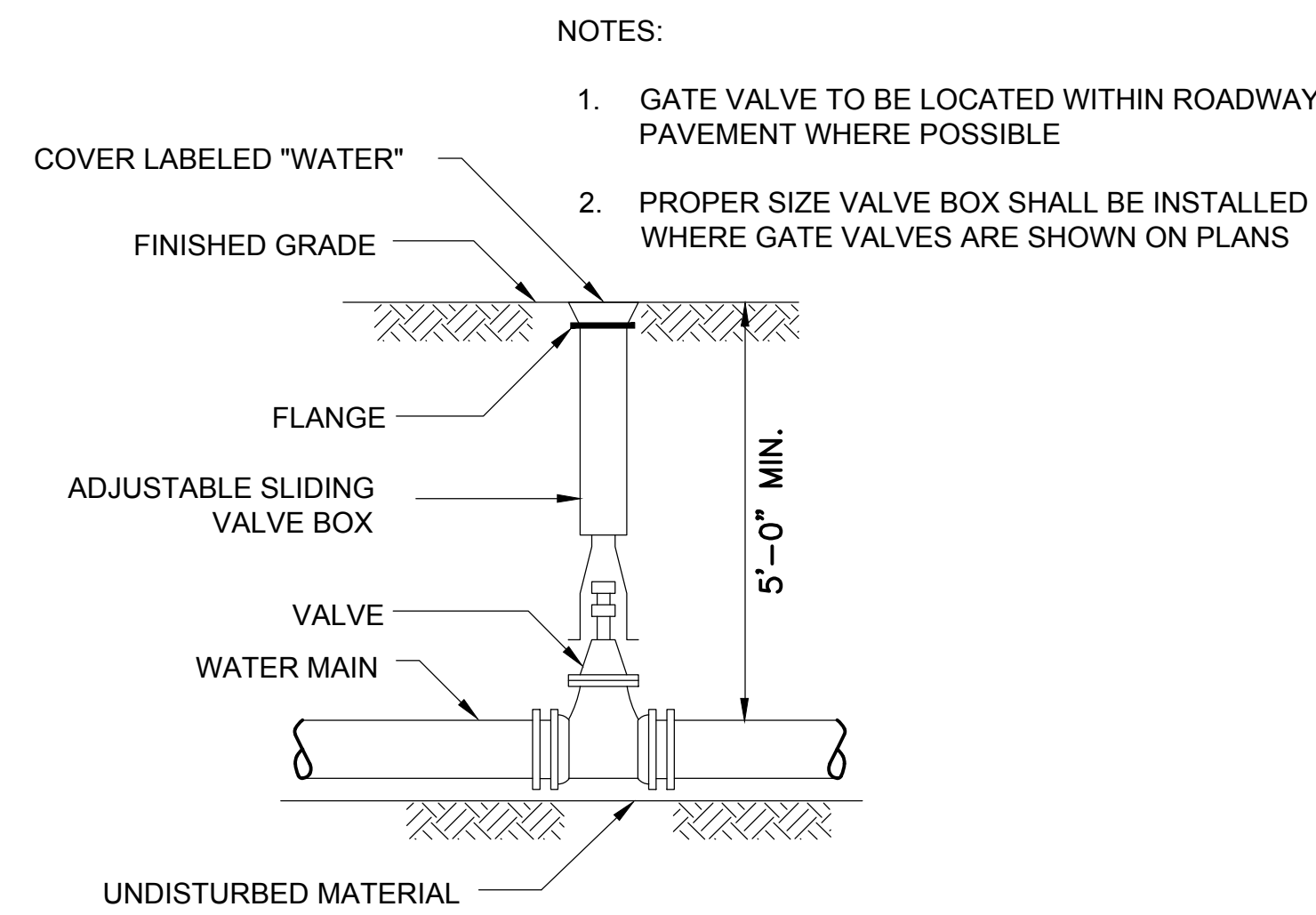


PLAN VIEW - JOINING DETAIL

PLACING TUBES AGAINST THE UPHILL SIDE OF WELL-ANCHORED, STATIONARY FEATURES SUCH AS EXISTING TREES CAN PROVIDE ADDITIONAL BRACING.

CURVE ENDS UPHILL TO PREVENT DIVERSION OF UNFILTERED RUN-OFF.

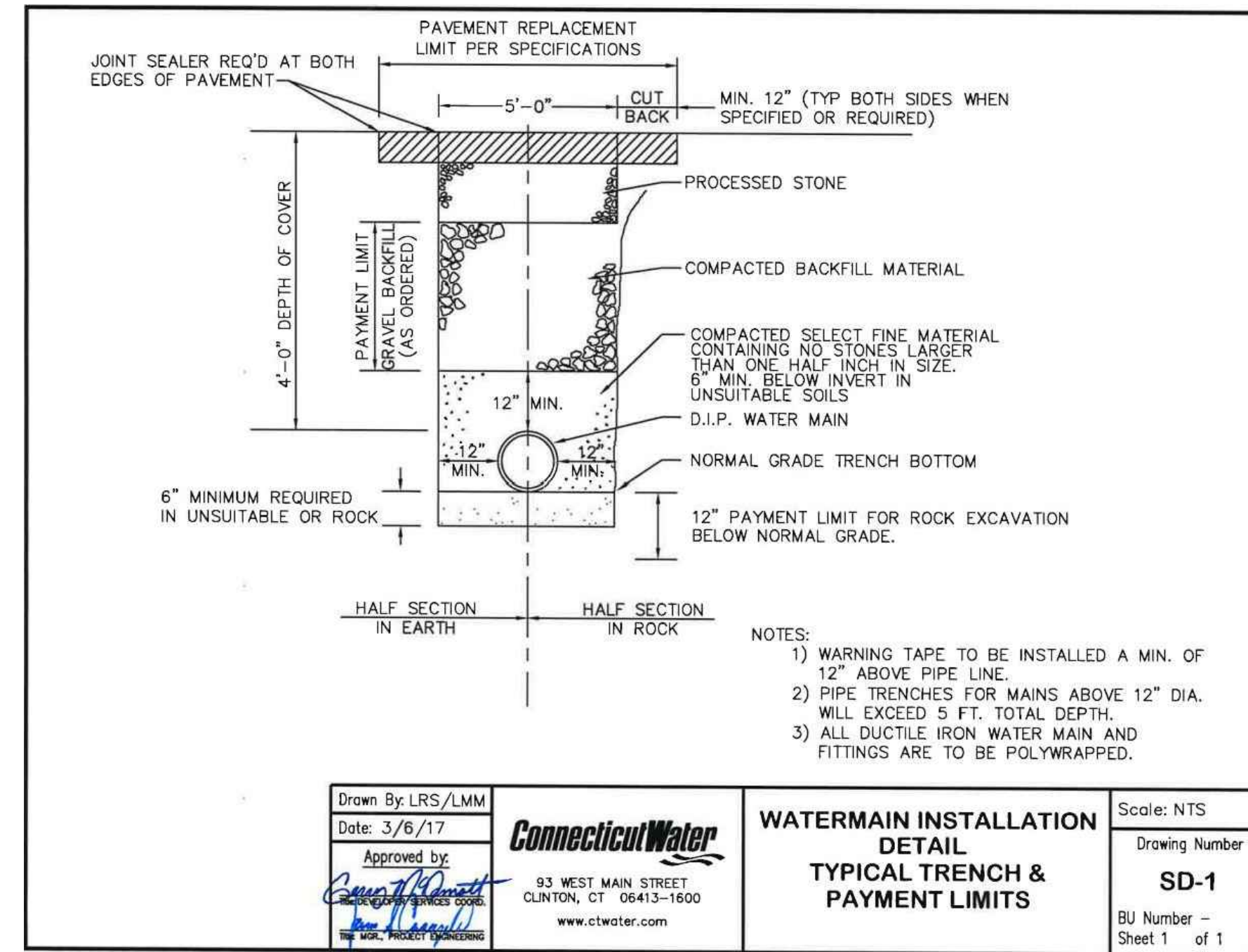
1 EROSION CONTROL MEASURE: SINGLE COMPOST FILTER TUBE DETAIL
SCALE: N.T.S.



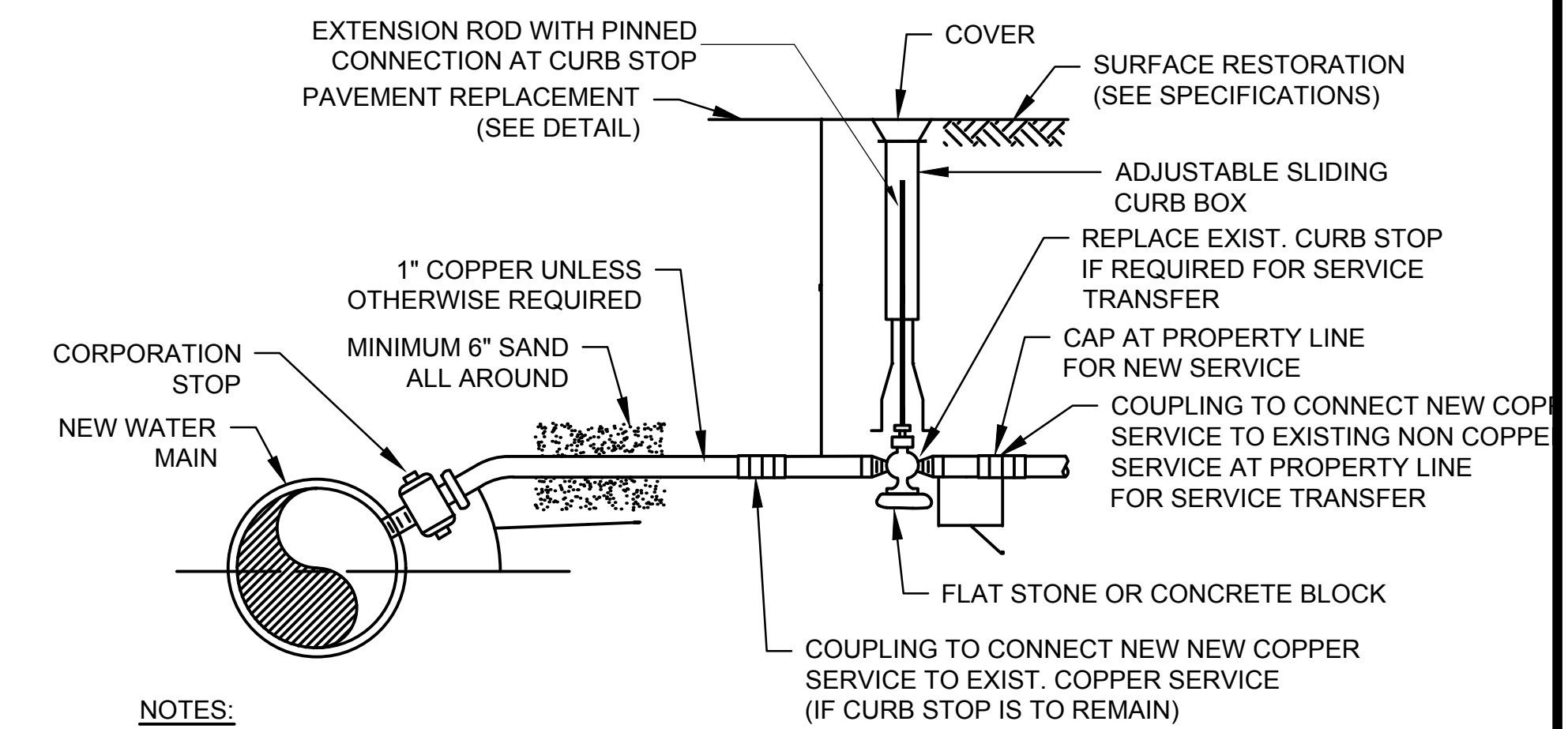
NOTES:

1. GATE VALVE TO BE LOCATED WITHIN ROADWAY PAVEMENT WHERE POSSIBLE
2. PROPER SIZE VALVE BOX SHALL BE INSTALLED WHERE GATE VALVES ARE SHOWN ON PLANS

2 VALVE AND BOX DETAIL
SCALE: N.T.S.



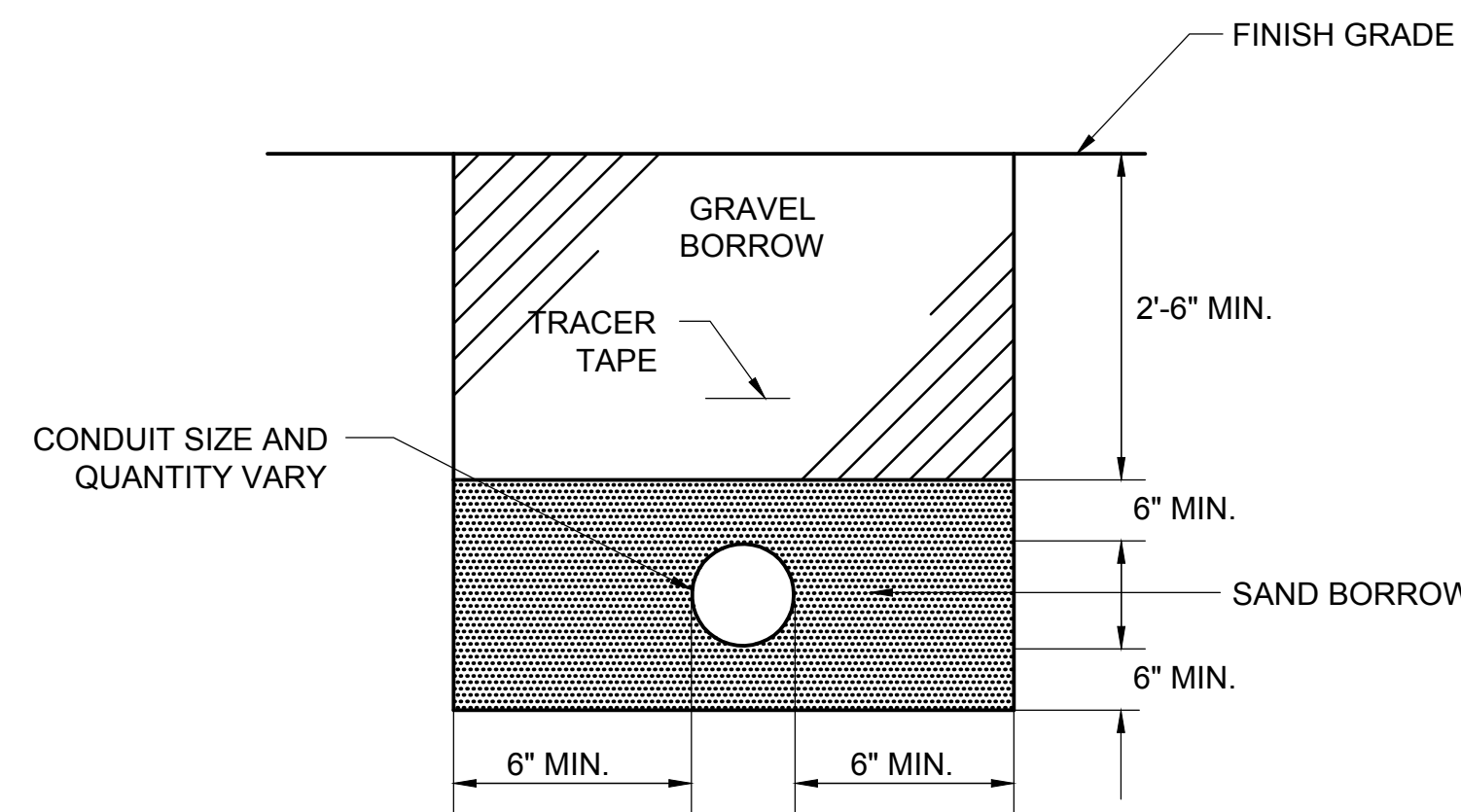
3 WATER MAIN INSTALLATION DETAIL
SCALE: N.T.S.



NOTES:

1. PROVIDE SADDLE FOR ALL AC AND PVC MAINS AND ALL 2" OR LARGER STOPS.
2. TRACER WIRE SHALL BE #12 AWG SOLID COPPER WITH 30 MIL BLUE HDPE INSULATION.
3. IF CURB IS IN LAWN AREA, EXTEND TRACER WIRE UP THE OUTSIDE OF BOX, WRAP END THREE TIMES AROUND BOX AND LEAVE APPROXIMATELY ONE INCH BELOW THE OUTSIDE TOP OF BOX. IF CURB BOX IS IN PAVEMENT AREA, EXTEND TRACER WIRE UP THE INSIDE OF BOX LEAVING THREE FEET COILED UP INSIDE TOP OF BOX.
4. TRACER WIRE SHALL BE CONNECTED TO CORPORATION STOP WITH BRASS THAW WIRE NUT COMPRESSION ASSEMBLY WITH SET SCREW.

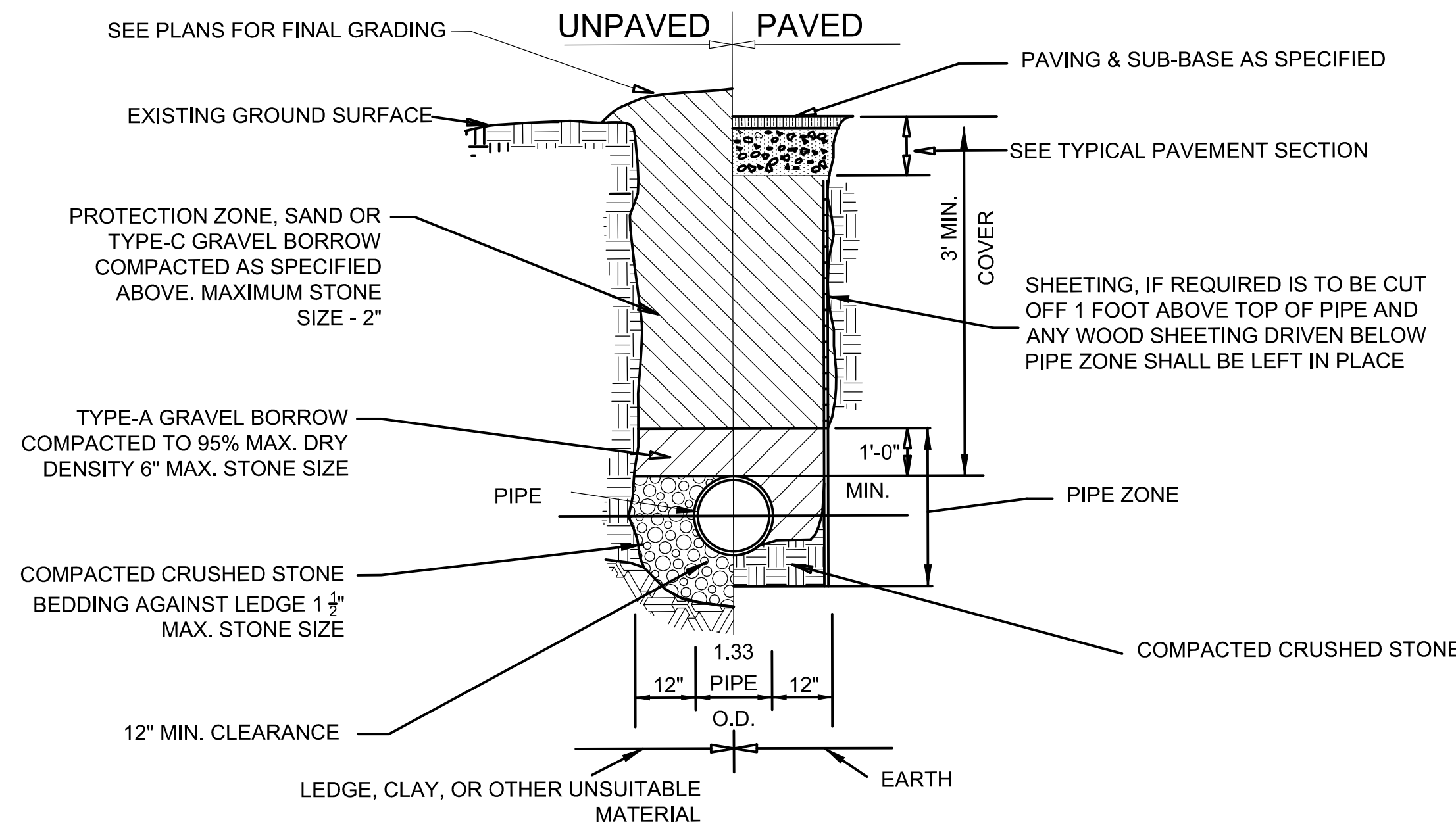
4 WATER SERVICE DETAIL
SCALE: N.T.S.



NOTE:

1. GENERAL CONTRACTOR IS RESPONSIBLE FOR EXCAVATION & BACKFILL FOR ELECTRIC/COMMUNICATION CONDUIT. ELECTRICAL CONTRACTOR SHALL PROVIDE & INSTALL CONDUITS & SPACERS.
2. REFER TO ELECTRICAL PLANS FOR CONDUIT QUANTITIES & LOCATIONS.

5 ELECTRIC/COMMUNICATION CONDUIT TRENCH DETAIL
SCALE: N.T.S.



5 TYPICAL DRAINAGE TRENCH DETAIL
SCALE: N.T.S.

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Reviewed By: JIP
Approved By: JMJ

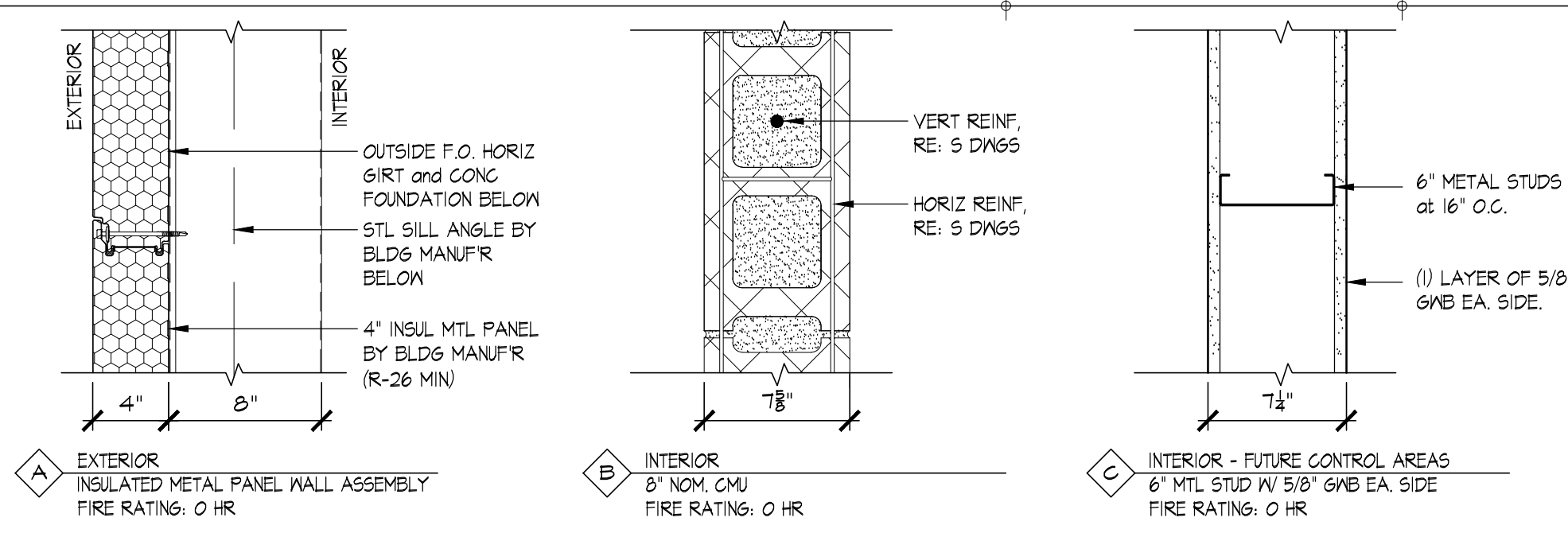
W&S Project No.: ENG21 - 0129
W&S File No.:

Drawing Title:
CONSTRUCTION DETAILS

Sheet Number:
C501

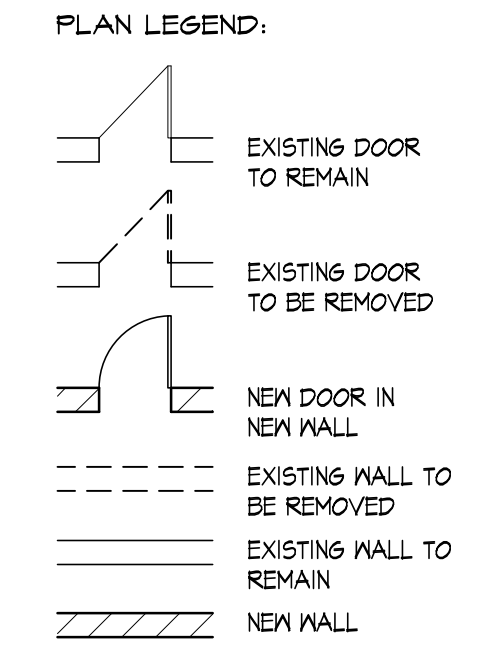
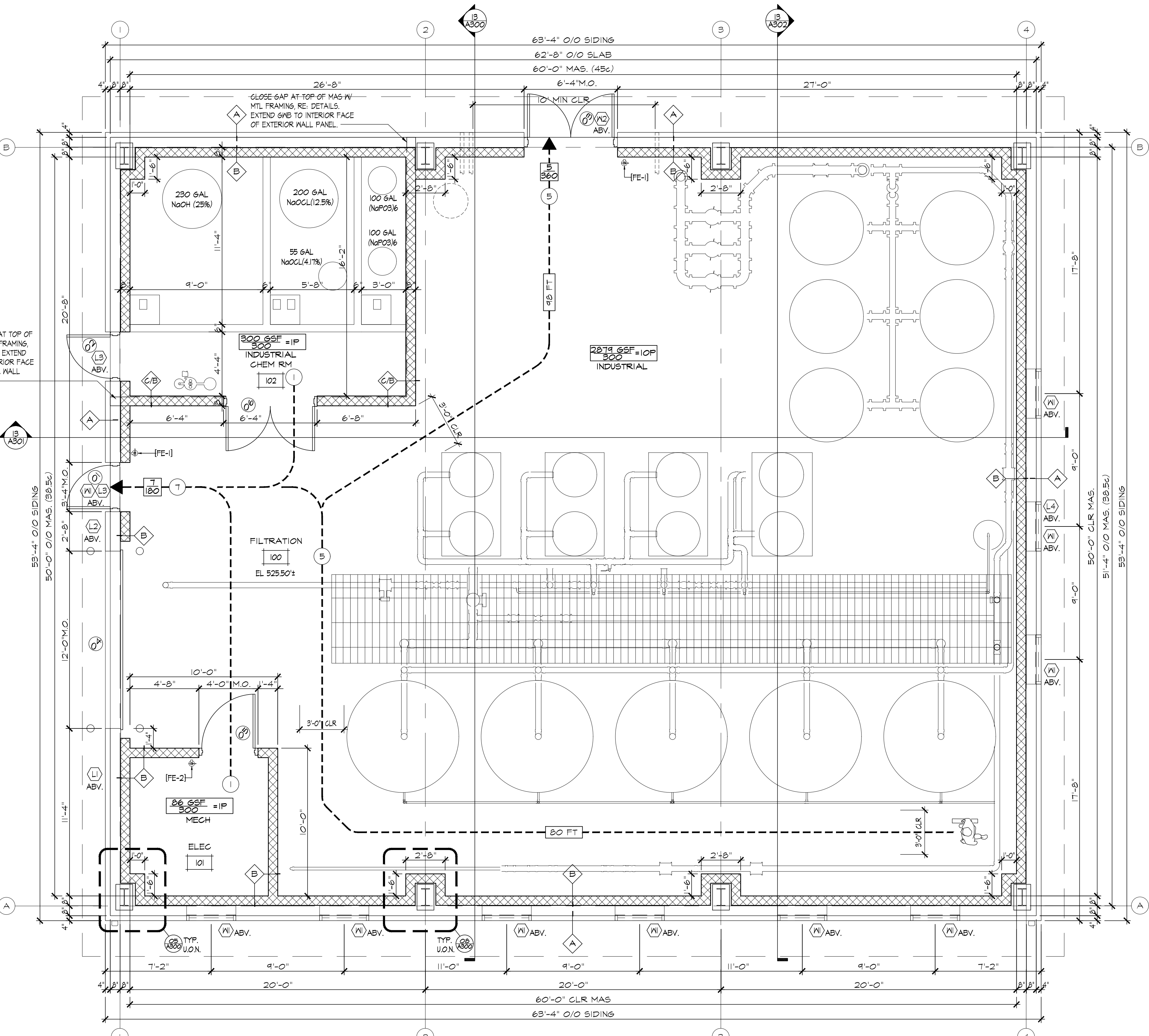
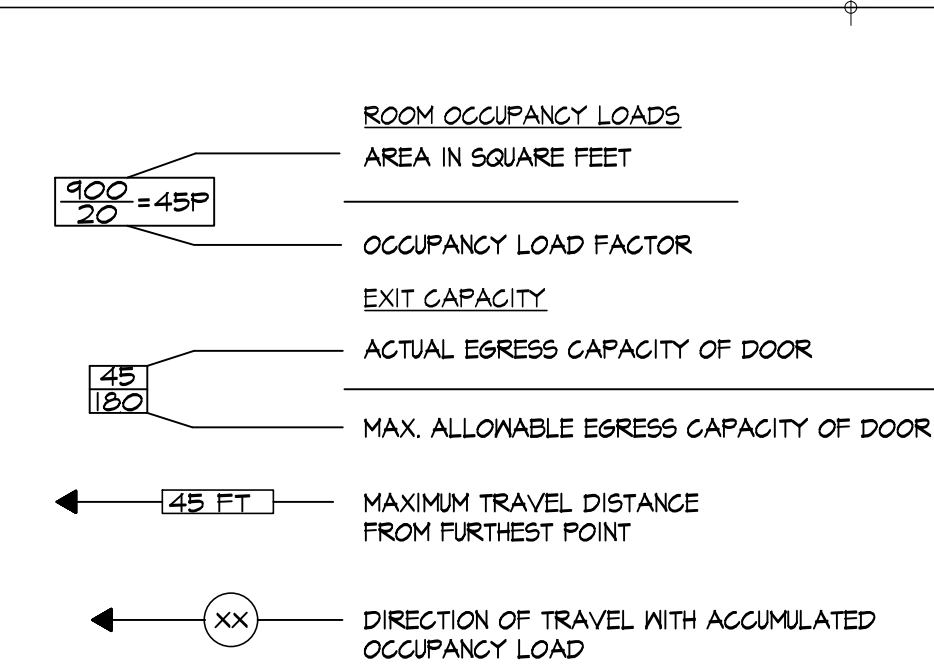
16 WALL TYPES

NO SCALE



08 Code Symbols Legend

NO SCALE



HAZARDOUS CHEMICALS:

Sodium Hydroxide (NaOH) Caustic Soda, Lye) 25% solution - Tank.....	230 Gals
DOT Hazard Class 3 - Corrosive.	
NFPA Rating: Health 3, Flammability 0, Reactivity 0, Physical Hazard N/A	
Sodium Hypochlorite (NaOCl) 12.5% solution - Tank.....	200 Gals
DOT Hazard Class 3 - Corrosive.	
NFPA Rating: Health 3, Flammability 0, Reactivity 0, Physical Hazard 1	
Sodium Hypochlorite (NaOCl) 4.17% solution - drum.....	55 Gals
DOT Hazard Class 3 - Corrosive.	
NFPA Rating: Health 3, Flammability 0, Reactivity 0, Physical Hazard 1	
SUBTOTAL.....	485 Gals

STORED CHEMICALS TOTALS ARE LESS THAN THE ALLOWABLE LIMIT OF 500 GALS IN AREAS DESIGNATED F2 PER IBC TABLE 307.1 AND 307.1(2).
NOTE: QUANTITIES MAY BE INCREASED 100% IF FUTURE APPROVED STORAGE CABINETS OR EXHAUSTED ENCLOSURES ARE PROVIDED. QUANTITIES MAY BE INCREASED IN FUTURE AN ADDITIONAL 100% WHERE A SPRINKLER SYSTEM IS PROVIDED.

Sodium Hexametaphosphate (NaPO3) 6 100 Gals x 2 =	200 Gals
DOT Hazard Class: Not Classified	
NFPA Rating: Health 1, Flammability 0, Reactivity 0, Physical Hazard N/A	

PER THE MANUFACTURER'S MSDS SHEET THE PRODUCT IS NOT CLASSIFIED, and THEREFORE THE QUANTITY IS NOT RESTRICTED UNDER IBC 307.

OCCUPANCY CLASSIFICATION (IBC 508.4):	Mixed Occupancy/Non-separated
USE GROUP CLASSIFICATION (IBC 302):	F2 Factory Industrial (306.2)
CONSTRUCTION TYPE (IBC 601):	2B (UNPROTECTED)
BUILDING HEIGHT (IBC table 504.3/504.4):	F-2; ALLOWED: 55 FT/3 STORIES (NS-Not sprinklered)
BUILDING AREA (IBC table 506.2):	F-2; ALLOWABLE AREA: 23,000 SF / FLR (2B, NS-not sprinklered)
ACTUAL:	3,300 GSF

- FIRE RESISTANCE RATINGS** (IBC table 601):
- PRIMARY STRUCTURAL FRAME (cols, girders, trusses): 0 hr
 - BEARING WALLS: Exterior 0 hr, Interior 0 hr
 - NONBEARING WALLS & PARTITIONS (Exterior) (Table 602): F2; 2B; Exterior 0 hr >30 FT (table 602)
 - F2; 2B; Exterior 0 hr >10 X <30 FT (table 602)
 - F2; 2B; Exterior 1 hr >5 X <10 FT (table 602)

- NONBEARING WALLS & PARTITIONS** (Interior): 0 hr
- FLOOR CONSTRUCTION:** 0 hr
- ROOF CONSTRUCTION:** 0 hr

- FIRE AREA SEPARATION** (IBC 701.3)
- TENANT SEPARATION; WALLS AND FLOORS:** 2 hr -N/A
- FIRE PARTITIONS (708):**
- CORRIDORS (table 1016.1): 1 hr - N/A
 - SMOKE BARRIERS (709): 1 hr - N/A
 - SMOKE PARTITIONS (710): 0 hr - N/A

- SHAFT ENCLOSURES** (IBC 713): 2 hr (4 STORIES), 1 hr (4 STORIES)-N/A
- EXTERIOR OPENINGS:** (IBC Table 705.8): No Limit
- FULLY SPRINKLERED** (IBC 903.2): NOT REQUIRED
- STAIRS and ELEVATOR** (IBC 1023.1): 2 hr (4 STORIES), 1 hr (4 STORIES)-N/A

OCCUPANT LOAD (IBC table 1004.1.2):	F2; 2B; 3,300 GSF/300 GSF/person = 11 p
Exit CAPACITY:	REQUIRED (IBC 1010.1.1): 32" Clear Door Opening Width
PROVIDED:	36" MINIMUM
Number EXITS (table 1006.2.1):	F2: 1 Exit 449p w/100ft max common path of travel
DISTANCE BETW EXITS:	1/2 X DIAGONAL, RE: PLAN FOR ACTUAL
TRAVEL DISTANCE (IBC 1006.2.1):	F2: 300ft (NS-Not sprinklered), RE: PLAN FOR ACTUAL

INTERIOR FINISH REQUIREMENTS (IBC 903.5):

F2: No Restrictions

Vertical Exits+ Passageways: Class B [FS=26-75, SD 0-450]

Exit Access Corridors: Class C [FS=16-200, SD 0-450]

Rooms and Enclosed Spaces: Class C [FS=16-200, SD 0-450]

BUILDING ENVELOPE REQUIREMENTS (IECC C402.1.3)

CLIMATE ZONE: 5A

INSULATION Metal Building:

ROOFS: ATTIC	R19+R11 LS (Liner System)
WALLS, ABOVE GRADE; WOOD FRAMED	R-13 +R-13c1
WALLS, MASS	R-11.4c1
WALLS, BELOW GRADE	R-7.5c1
FLOORS, SLAB-ON-GRADE, UNHEATED	R10c1 FOR 24" BELOW

APPLICABLE CODES:

ALL WORK SHALL BE IN CONFORMANCE WITH ALL APPLICABLE STATE AND LOCAL CODES, ORDINANCES AND STATUTES.

2018 CONNECTICUT STATE BUILDING CODE, COMPRISED OF:

- 2015 INTERNATIONAL EXISTING BUILDING CODE
- 2015 INTERNATIONAL BUILDING CODE
- 2015 INTERNATIONAL MECHANICAL CODE
- 2015 INTERNATIONAL PLUMBING CODE
- 2015 INTERNATIONAL ENERGY CONSERVATION CODE
- 2009 ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

2018 CONNECTICUT FIRE SAFETY CODE

- 2015 INTERNATIONAL FIRE SAFETY CODE
- 2015 NFPA 101 LIFE SAFETY CODE

Project:
Connecticut Water
CONNECTICUT WATER COMPANY
93 WEST MAIN STREET
CLINTON, CT 06413
EDGEWATER FILTRATION FACILITY
204 EDGEWATER CIRCLE
EAST HAMPTON, CT 06424

Weston & Sampson
Weston & Sampson Engineers, Inc.
712 Brook Street, Suite 103
Rocky Hill, CT 06067
(860) 513-1473 (800) SAMPSON
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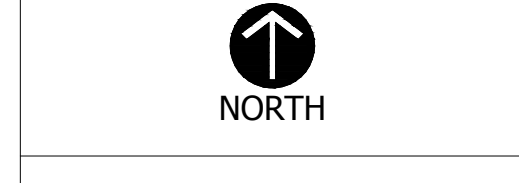
Consultants:
BREWSTER ARCHITECTS
111 Glen Road
Lisbon, Connecticut 06249
603.642.9997

Seal:

Revisions:

Rev	Date	Description

Issued For: BID



Date: JUNE 24, 2021
Drawn By: JRP/WWB
Reviewed By: WWB
Approved By:
W&S Project No.: ENG21-0129
BJA Project No.: 21.005

Drawing Title:
ARCHITECTURAL
PLANS and
CODE DATA

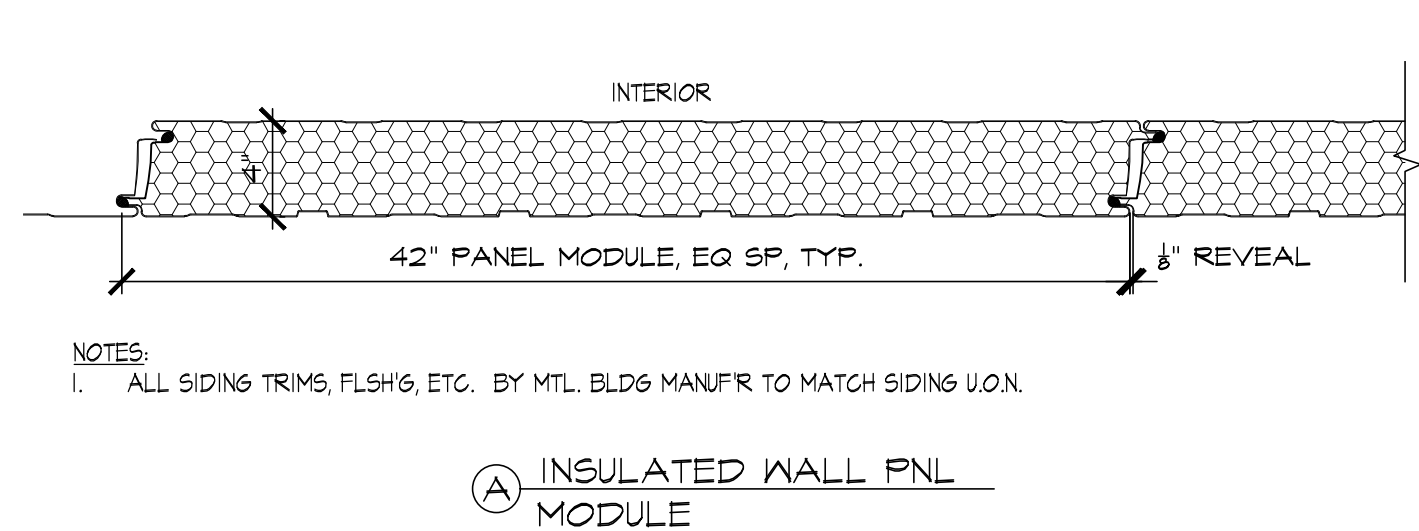
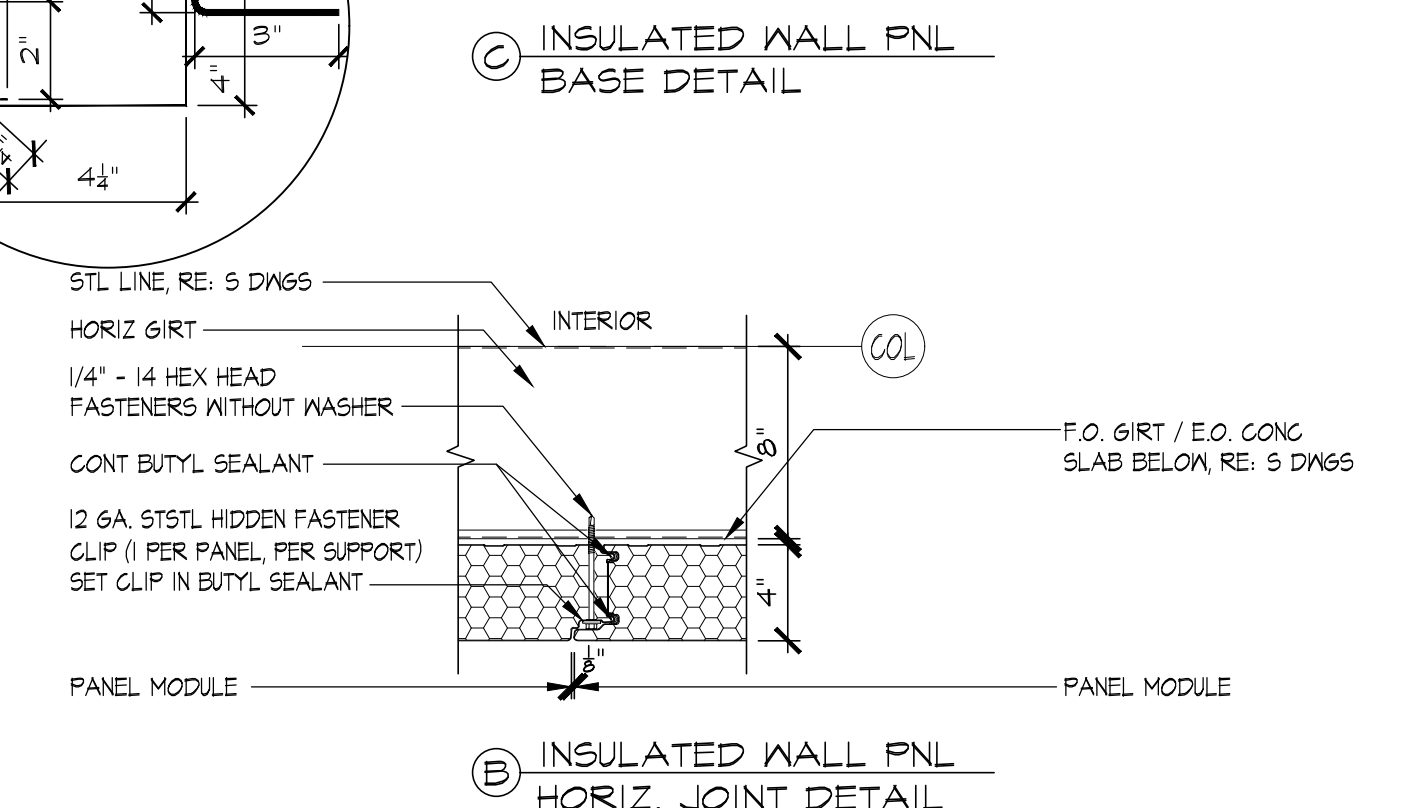
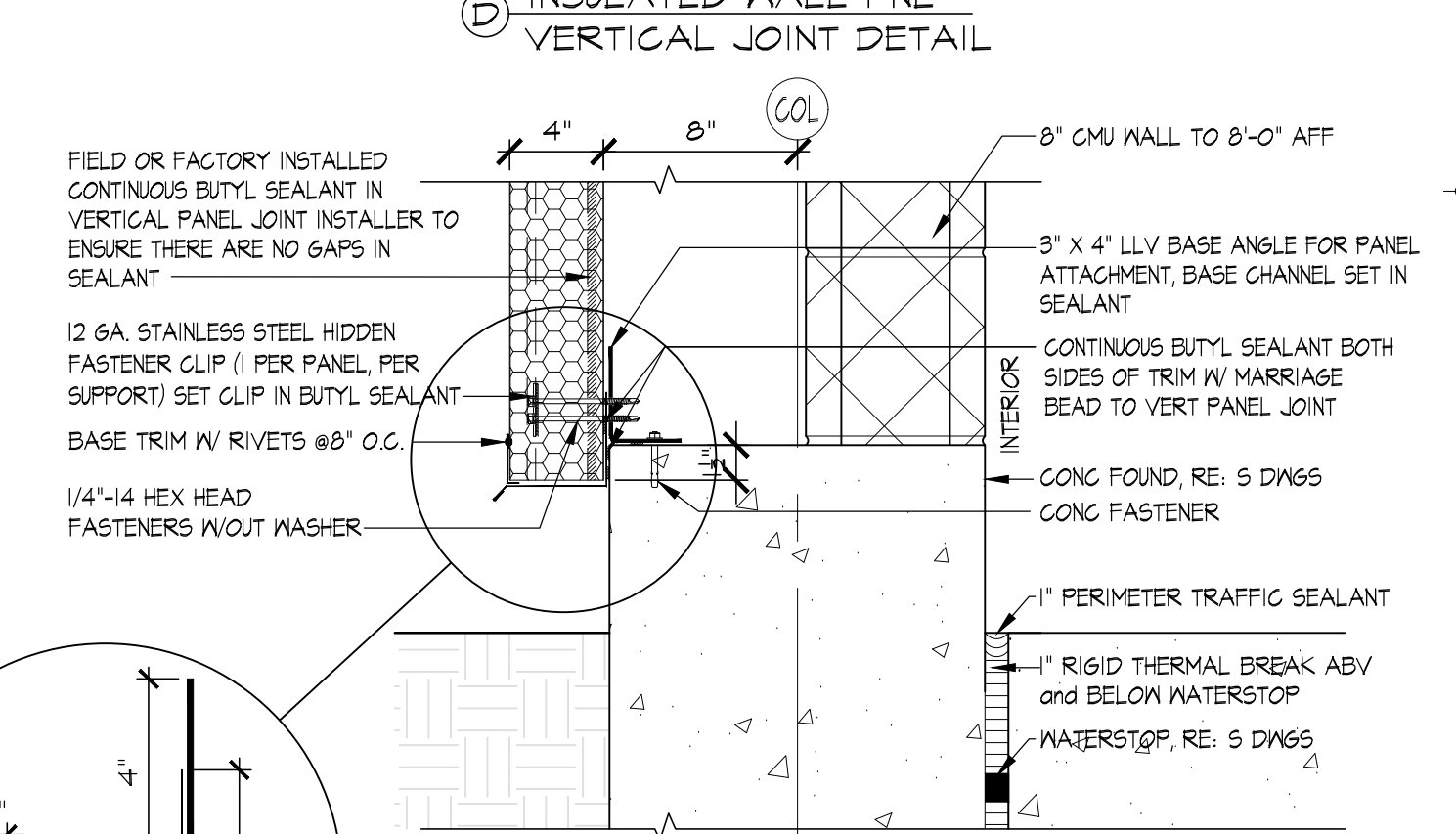
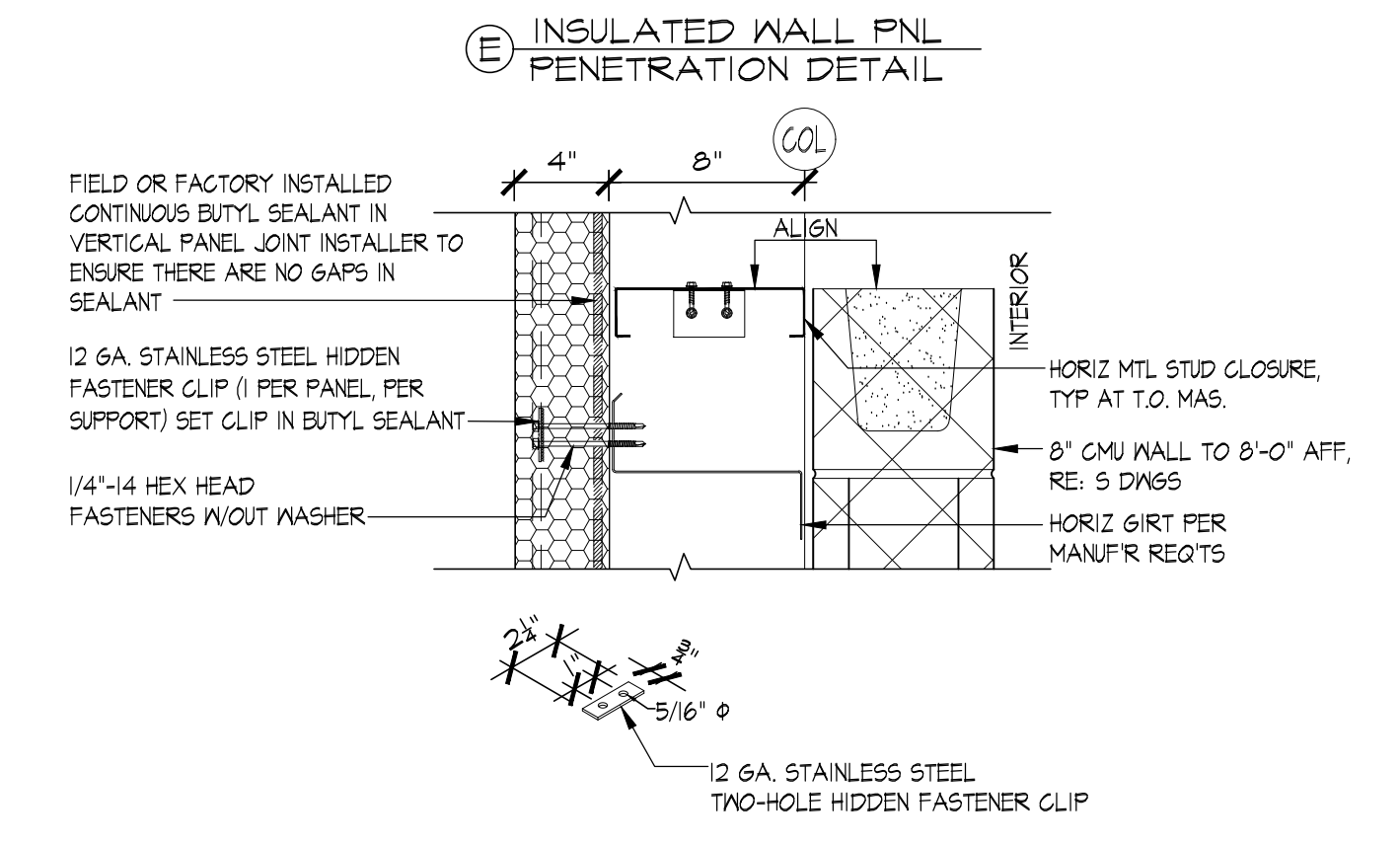
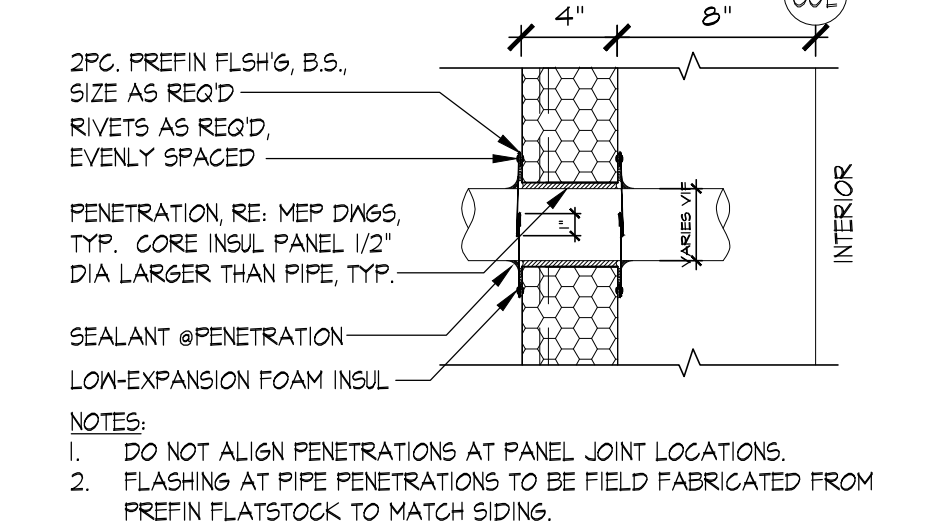
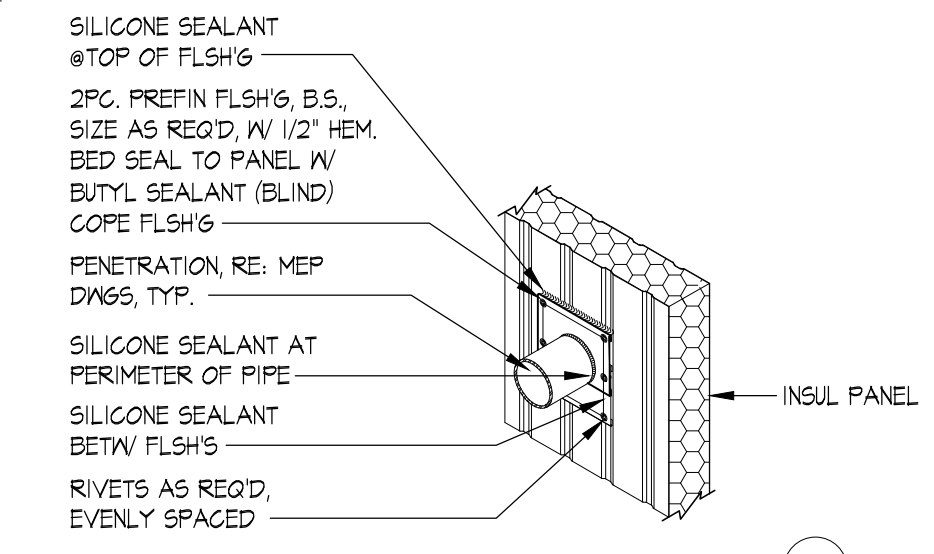
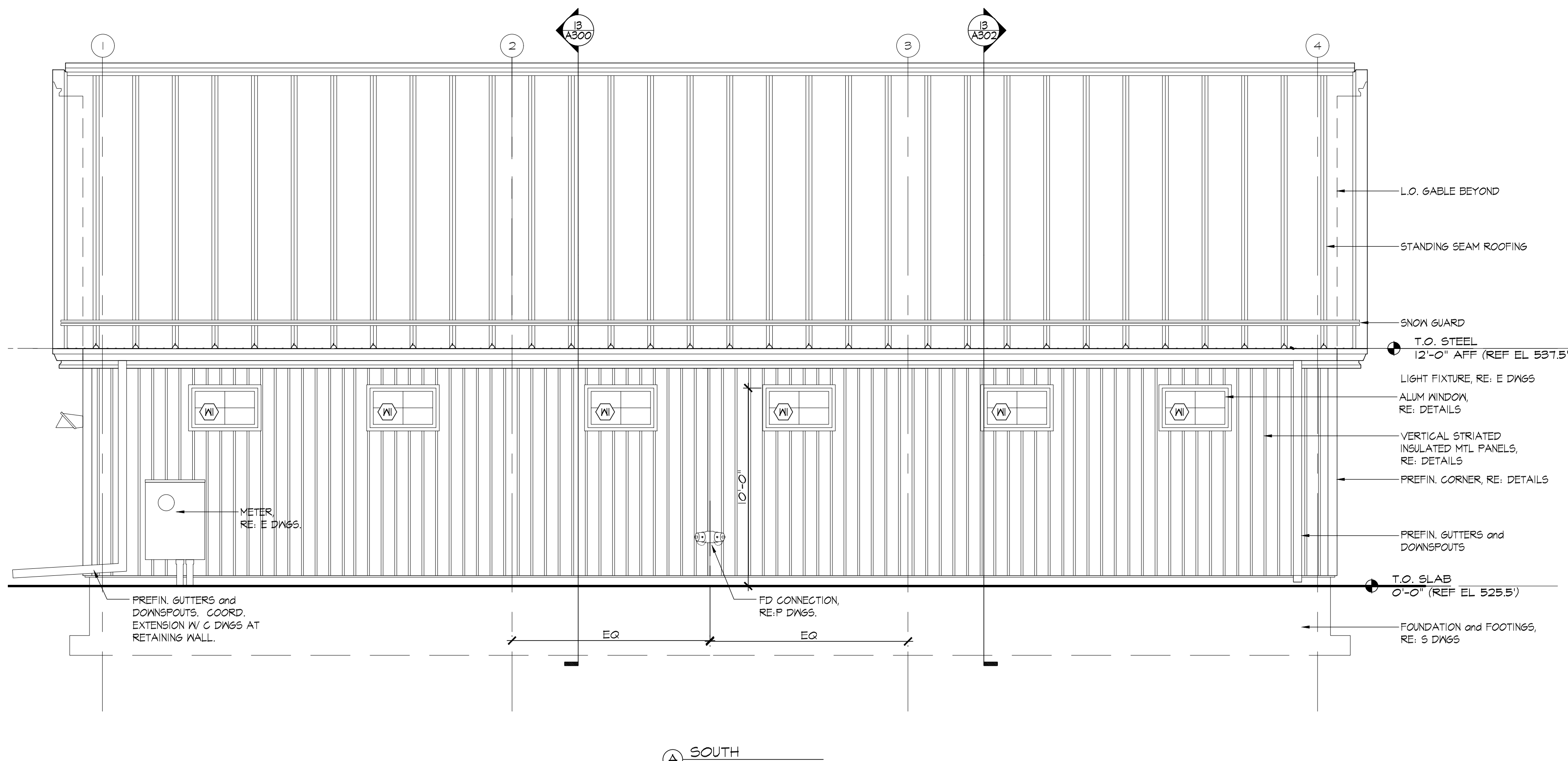
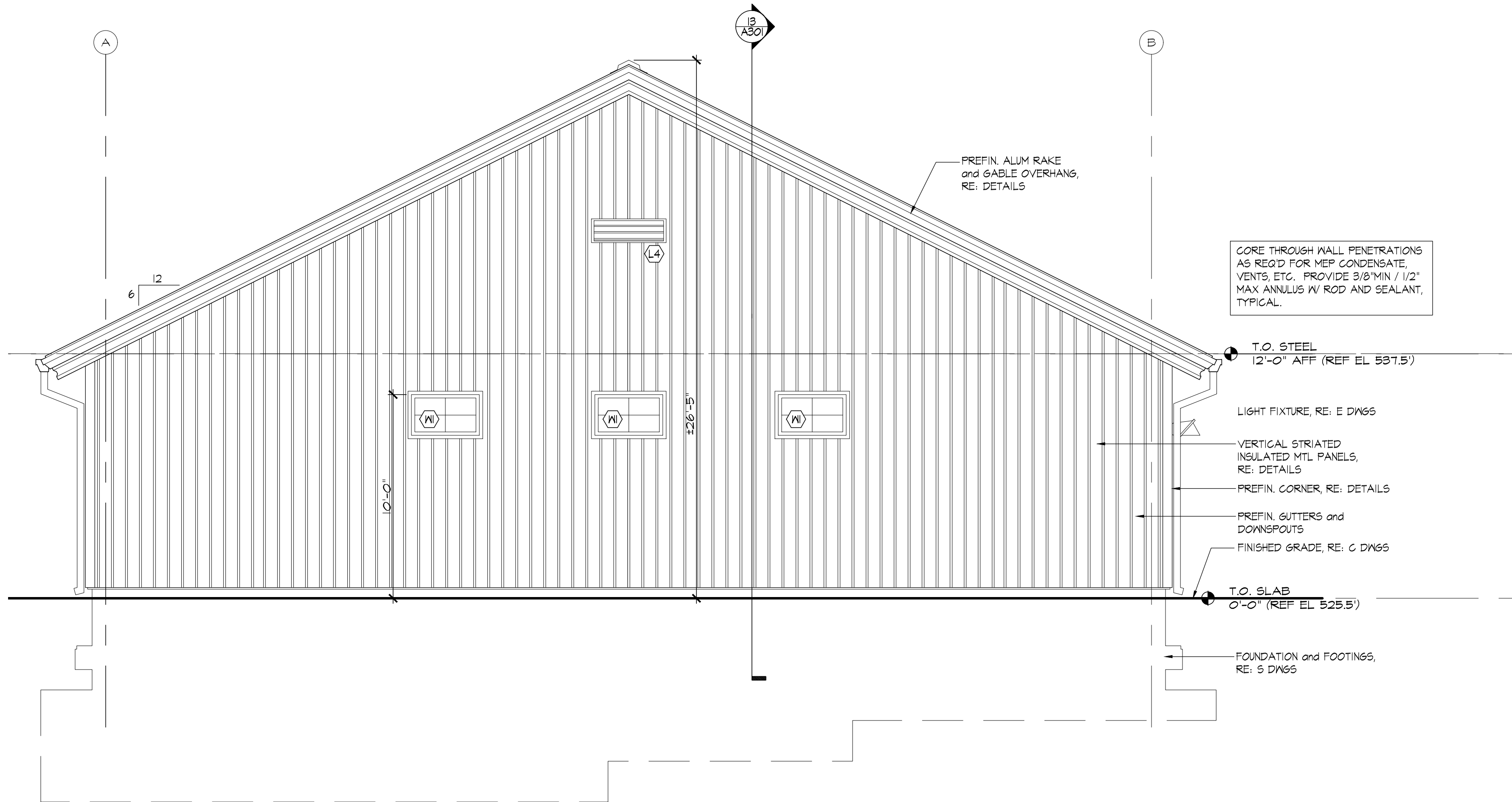
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A100

13 Floor Plan

SCALE: 1/4" = 1'-0"

01 Code Data

NO SCALE



Project:

Connecticut Water

CONNECTICUT WATER COMPANY
93 WEST MAIN STREET
CLINTON, CT 06413

EDGEWATER FILTRATION FACILITY

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BIA

Seal:

Revisions:

Rev	Date	Description

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NORTH

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Drawn By: JRP/WWB

Reviewed By: WWB

Approved By: .

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BIA Project No.: 21.005

Drawing Title:

EXTERIOR BUILDING ELEVATIONS

Sheet Number:

A200

Rev	Date	Description

