

October 2025

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7	8	9	10	11
12	13	14 4:00 WasteWater Planning Mtg Town Hall	15 4:30 Select Board Mtg	16 9:30-11 am SB Medoff T.Hall 4:00 Ad Hoc Bldg Comm. Zoom	17	18
19	20 5:00 pm Part-Time Resident Committee Remote	21	22 9:30-11 am-SB Dundas T.Hall 5 pm-Planning Board Mtg, PW on Agenda	23 *6:00 pm Community Preservation Hybrid Informational Forum @ Truro	24	25
26	27 4:00 pm Ad Hoc Walsh Property Hybrid Mtg	28 5:00 Select Board Mtg w/in person AHBC Update	29	30 10:00 am Climate Action Comm. @ Town Hall 4:00 Ad Hoc Bldg Comm. Zoom	31	
	Note: No Energy Committee Mtgs on Truro website			Note: Example of Informational Forum at the Library		

November 2025

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1 10-11:30 am-SB Girard-Irwin at Transfer Station
2	3 5:00 pm Conservation Committee Hybrid Mtg @ Town Hall	4	5 5:00 pm Planning Board Remote Zoom Mtg	6 4:00 pm Commission on Disabilities Mtg	7	8
9	10 4:00 pm Ad Hoc Walsh Property Hybrid Mtg	11	12 1:00 Human Services Committee @ Truro Town Hall 5:00 Select Board	13 9:30-11-SB Medoff office hrs @ Town Hall 10:00 am Climate Action Comm. @ Town Hall 4:00 Ad Hoc Bldg Comm. Zoom	14	15
16	17	18 1:00 pm Human Services 4:30 pm Board of Health 5:30 pm Select Board Hybrid Mtg	19 9:30-11-SB Dundas office hrs@T.Hall 5:00 pm Planning Board Remote Zoom Mtg	20	21	22
23	24 4:00 pm Ad Hoc Walsh Property Hybrid Mtg	25 5:00 pm Select Board Hybrid Mtg	26	27 Thanksgiving	28 Thanksgiving	29
30			Note: No Part-Time Resident Mtg in Nov. on Town Calendar			

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TOWN of TRURO, MA
NEW DEPARTMENT of PUBLIC WORKS FACILITY
17 TOWN HALL
TRURO, MA 02666



Weston & Sampson

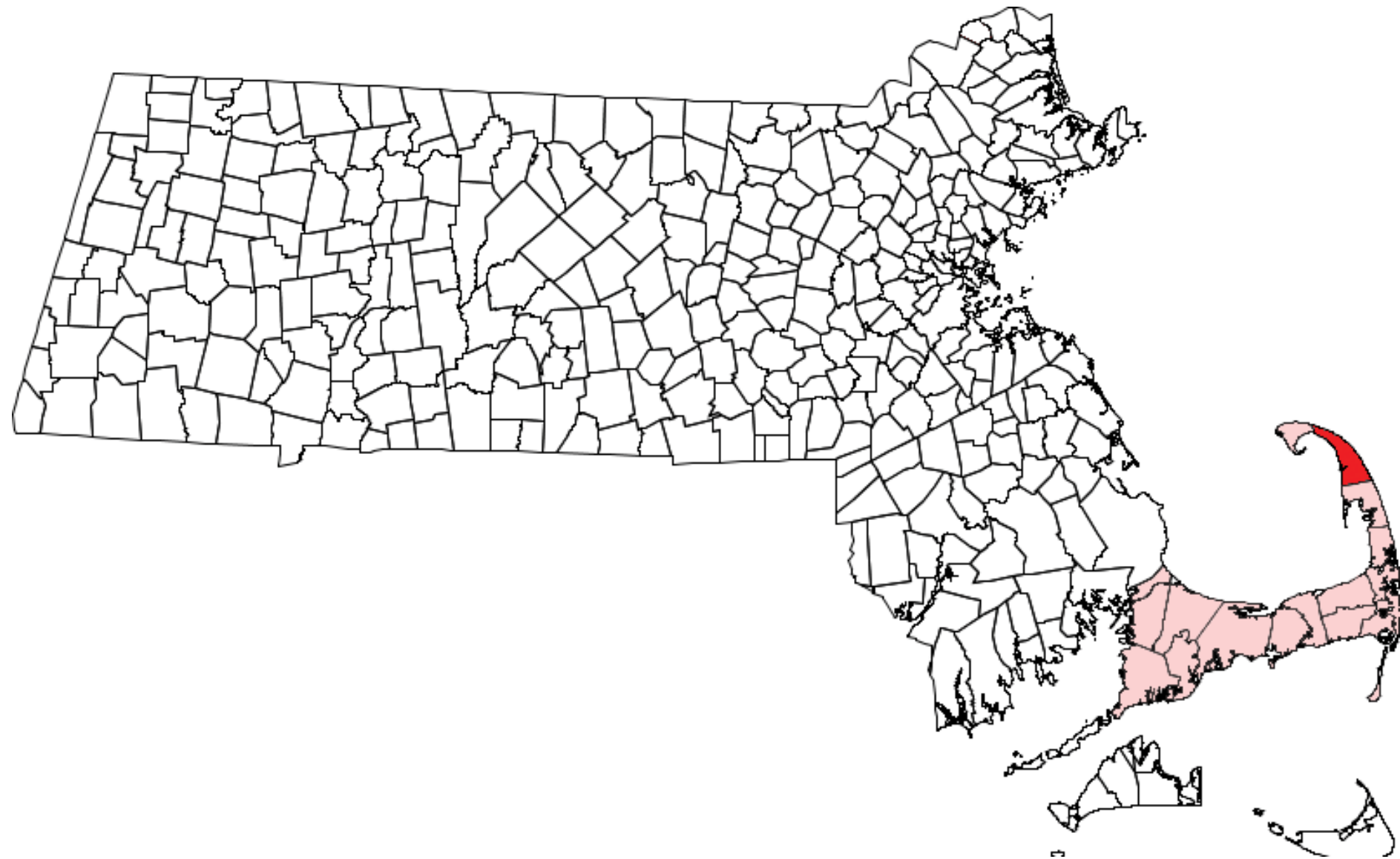
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Consultants:

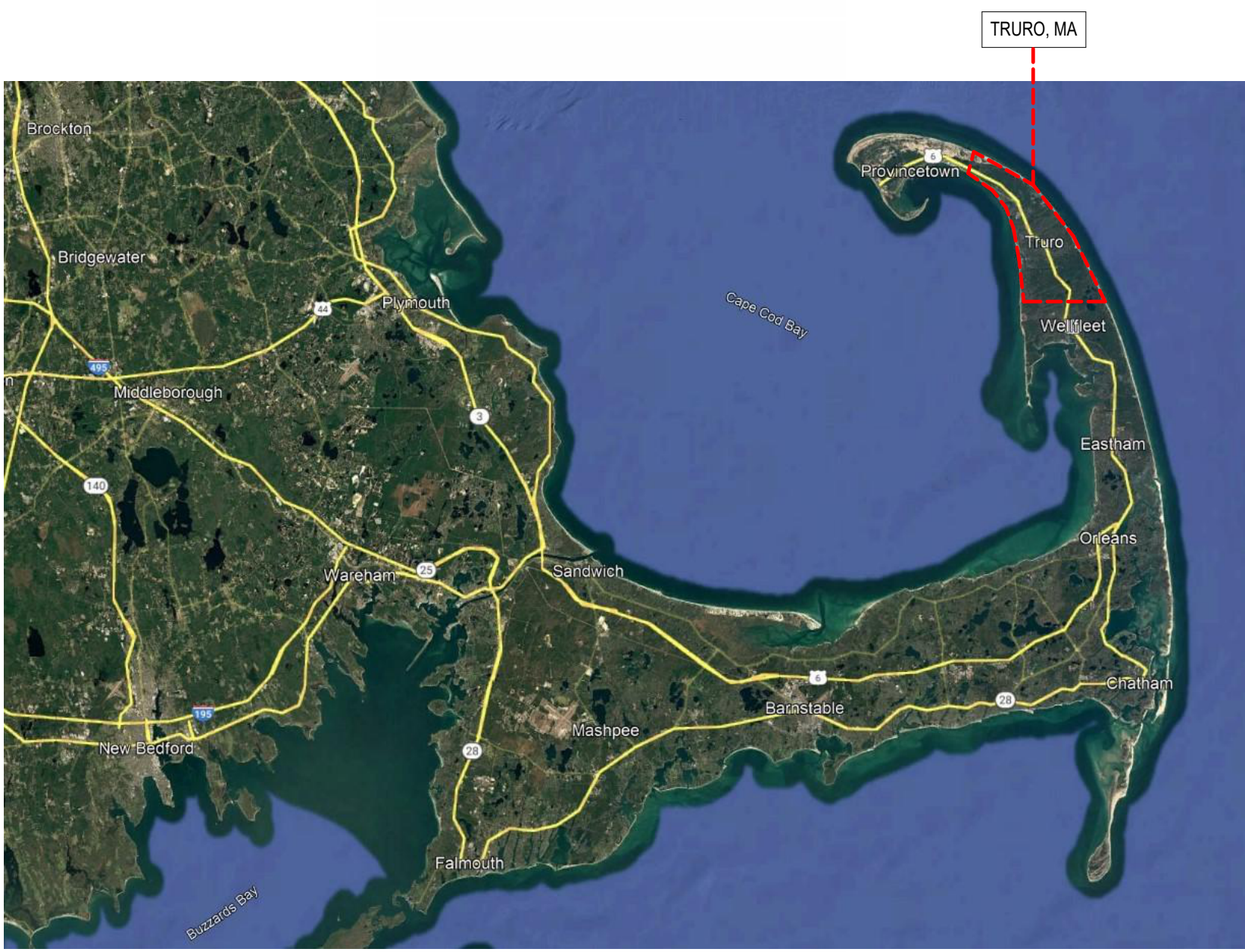


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MASSACHUSETTS MUNICIPAL MAP N.T.S.



SITE LOCUS MAP N.T.S.



SITE OVERVIEW N.T.S.

Issue Date: OCTOBER 3, 2025

Issued For: PRELIMINARY DD PRICING SET

GENERAL NOTES

1. THE INFORMATION SHOWN HEREON IS BASED ON AN ON-THE-GROUND SURVEY PERFORMED BETWEEN SEPTEMBER 26 & DECEMBER 4, 2024, BY ALPHA SURVEY GROUP, LLC. THE HORIZONTAL DATUM FOR THIS PROJECT IS THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83). THE VERTICAL DATUM FOR THIS PROJECT IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88).
2. LOCATIONS OF ANY UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF SUCH UTILITIES, PROTECTING ALL EXISTING UTILITIES AND REPAIRING ANY DAMAGE DONE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ON-SITE COORDINATION WITH UTILITY COMPANIES AND PUBLIC AGENCIES AND FOR OBTAINING ALL REQUIRED PERMITS AND PAYING ALL REQUIRED FEES. IN ACCORDANCE WITH M.G.L. CHAPTER 82, SECTION 40, INCLUDING AMENDMENTS, CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES IN WRITING PRIOR TO EXCAVATION. CONTRACTOR SHALL ALSO CALL "DIG SAFE" AT (888) 344-7233 NO LESS THAN 72 HOURS, (EXCLUSIVE OF WEEKENDS AND HOLIDAYS), PRIOR TO SUCH EXCAVATION. DOCUMENTATION OF REQUESTS SHALL BE PROVIDED TO PROJECT REPRESENTATIVE PRIOR TO EXCAVATION WORK.
3. 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.
4. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY OWNER AT NO ADDITIONAL COST TO THE OWNER.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL DRAWINGS AND SPECIFICATIONS TO DETERMINE THE EXTENT OF EXCAVATION AND DEMOLITION REQUIRED TO RECEIVE SITE IMPROVEMENTS.
6. ANY DISCREPANCIES OR CONFLICTS BETWEEN THE DRAWINGS AND EXISTING CONDITIONS, EXISTING CONDITIONS TO REMAIN, TEMPORARY CONSTRUCTION, PERMANENT CONSTRUCTION AND WORK OF ADJACENT CONTRACTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER BEFORE PROCEEDING. ITEMS ENCOUNTERED IN AREAS OF EXCAVATION THAT ARE NOT INDICATED ON THE DRAWINGS, BUT ARE VISIBLE ON SURFACE, SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE REMOVED AT NO ADDITIONAL COST TO THE OWNER.
7. ANY ALTERATIONS TO THESE DRAWINGS MADE IN THE FIELD DURING CONSTRUCTION SHALL BE RECORDED BY THE GENERAL CONTRACTOR ON "AS-BUILT" DRAWINGS.
8. ALL AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS OUTSIDE THE PROJECT LIMITS, SHALL BE RESTORED TO THE ORIGINAL CONDITION BY THE CONTRACTOR AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE OWNER.
9. ALL WORK SHOWN ON THE PLANS AS BOLD SHALL REPRESENT PROPOSED WORK. THE TERM "PROPOSED (PROP)" INDICATES WORK TO BE CONSTRUCTED USING NEW MATERIALS OR, WHERE APPLICABLE, RE-USING EXISTING MATERIALS IDENTIFIED AS "REMOVE AND RESET (R&R)", OR REMOVE, RELOCATE, RESET, (R,R&R).
10. ALL KNOWN EXISTING STATE, COUNTY AND TOWN LOCATION LINES AND PRIVATE PROPERTY LINES HAVE BEEN ESTABLISHED FROM AVAILABLE INFORMATION AND ARE INDICATED ON THE PLANS.
11. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT HIS EMPLOYEES, AS WELL AS PUBLIC USERS FROM INJURY DURING THE ENTIRE CONSTRUCTION PERIOD USING ALL NECESSARY SAFEGUARDS, INCLUDING BUT NOT LIMITED TO, THE ERECTION OF TEMPORARY WALKS, STRUCTURES, PROTECTIVE BARRIERS, COVERING, OR FENCES AS NEEDED.
12. THE CONTRACTOR SHALL SUPPLY THE OWNER WITH THE NAME OF THE OSHA "COMPETENT PERSON" PRIOR TO CONSTRUCTION.
13. FILLING OF EXCAVATED AREAS SHALL NOT TAKE PLACE WITHOUT THE PRESENCE OR PERMISSION OF THE OWNER.
14. EXISTING TREES TO REMAIN SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES. NO STOCKPILING OF MATERIAL, EQUIPMENT OR VEHICULAR TRAFFIC SHALL BE ALLOWED WITHIN THE DRIP LINE OF TREES TO REMAIN. NO GUYS SHALL BE ATTACHED TO ANY TREE TO REMAIN. WHEN NECESSARY OR AS DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL ERECT TEMPORARY BARRIERS FOR THE PROTECTION OF EXISTING TREES DURING CONSTRUCTION.
15. TREES AND SHRUBS WITHIN THE LIMITS OF WORK SHALL BE REMOVED ONLY UPON THE APPROVAL OF THE ENGINEER OR AS NOTED ON THE PLANS.
16. NO FILLING SHALL OCCUR AROUND EXISTING TREES TO REMAIN WITHOUT THE APPROVAL OF THE OWNER OR OWNER REPRESENTATIVE.
17. THE CONTRACTOR SHALL REMOVE ALL SURFACE VEGETATION PRIOR TO GRADING THE SITE. TEMPORARY EROSION CONTROL MEASURES SHOWN ON THE DRAWINGS (INCLUDING SILT FENCE AND COMPOSITE FILTER TUBES) SHALL BE INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THESE TEMPORARY EROSION CONTROL MEASURES THROUGHOUT THE PROJECT WHICH COST SHALL BE INCIDENTAL TO THE PROJECT.
18. ALL SURPLUS AND/OR UNSUITABLE MATERIAL FROM CONSTRUCTION ACTIVITIES SHALL BE DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH SPECIFICATION 02 61 01.16 - HANDLING, TRANSPORTATION, REUSE AND OFF-SITE DISPOSAL OF EXCAVATED MATERIAL. SUITABLE SOIL EXCAVATION AS PART OF THE PROJECT MUST MEET ONE OR MORE OF THE MATERIAL REQUIREMENTS SPECIFIED IN 31 00 00 - EARTHWORK. ON-SITE FILL MATERIALS, WHICH DO NOT CONFORM TO SECTION 31 00 00, SHALL NOT BE USED BELOW ANY STRUCTURES. IF THE CONTRACTOR PROPOSES TO USE THE EXISTING FILL ON SITE BELOW PAVEMENT AREAS, OR FOR THE EARTHEN BERM, IT MUST BE DEMONSTRATED THAT THE FILL MEETS THE REQUIREMENTS PER 31 00 00. ALL EXCAVATED FILL MATERIAL WHICH DOES NOT MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS SHALL BE REMOVED AND DISPOSED OF OFF-SITE IN ACCORDANCE WITH SECTION 02 61 00.16.
19. CONTRACTOR IS RESPONSIBLE FOR STAKING CONSTRUCTION BASELINES IN FIELD. NO CONSTRUCTION WILL BE PERFORMED WITHOUT THE PROPOSED BASELINES AND LAYOUTS APPROVED BY THE ENGINEER.
20. NO FILL SHALL CONTAIN HAZARDOUS MATERIALS.
21. CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AROUND PERIMETER OF WORK AREA (LIMIT OF WORK). FENCE SHALL NOT IMPEDE TRAVEL WAYS.
22. ANY QUANTITIES SHOWN ON PLANS ARE FOR COMPARATIVE BIDDING PURPOSES ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE PROJECT SITE TO VERIFY ALL QUANTITIES AND CONDITIONS PRIOR TO SUBMITTING BID.
23. ALL EXISTING DRAINAGE FACILITIES TO REMAIN SHALL BE MAINTAINED FREE OF DEBRIS, SOIL, SEDIMENT, AND FOREIGN MATERIAL AND OPERATIONAL THROUGHOUT THE LIFE OF THE CONTRACT. REMOVE ALL SOIL, SEDIMENT, DEBRIS AND FOREIGN MATERIAL FROM ALL DRAINAGE STRUCTURES, INCLUDING BUT NOT LIMITED TO, DRAINAGE INLETS, MANHOLES AND CATCH BASINS WITHIN THE LIMIT OF WORK AND DRAINAGE STRUCTURES OUTSIDE THE LIMIT OF WORK THAT ARE IMPACTED BY THE WORK FOR THE ENTIRE DURATION OF CONSTRUCTION.
24. CONTRACTOR'S STAGING AREA MUST BE WITHIN THE CONTRACT LIMIT LINE AND IN AREAS APPROVED BY OWNER. ANY OTHER AREAS THAT THE CONTRACTOR MAY WISH TO USE FOR STAGING MUST BE COORDINATED WITH THE OWNER.
25. THE CONTRACTOR SHALL KEEP ALL STREETS, PARKING LOTS AND SIDEWALKS THAT ARE NOT RESTRICTED FROM PUBLIC USE DURING CONSTRUCTION BROOM CLEAN AT ALL TIMES. THE CONTRACTOR SHALL USE ACCEPTABLE METHODS AND MATERIALS TO MAINTAIN ADEQUATE DUST CONTROL THROUGHOUT CONSTRUCTION.
26. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OWNER.
27. CONTRACTOR SHALL DEWATER AS NECESSARY TO PERFORM THE PROPOSED WORK. SEE SPECIFICATION SECTION 00 31 32 SUBSURFACE DATA).
28. THE LIMIT OF WORK SHALL BE DELINEATED IN THE FIELD PRIOR TO THE START OF SITE CLEARING OR CONSTRUCTION.
29. DEEP SUMP CATCH BASINS AND STORMWATER BASIN SHALL BE CLEANED FOLLOWING CONSTRUCTION AND SHALL FOLLOW THE OPERATION AND MAINTENANCE PLAN THEREAFTER.
30. HAULING OF EARTH MATERIALS TO AND FROM THE SITE SHALL BE RESTRICTED TO THE HOURS OF 7 AM TO 4 PM MONDAY THROUGH FRIDAY.
31. ANY BOULDERS 3 CY OR SMALLER SHALL BE CONSIDERED UNDOCUMENTED FILL AND SHALL BE DISPOSED OF AT NO ADDITIONAL COST TO THE TOWN.
32. WORK ON SATURDAYS SHALL ONLY BE CONDUCTED IF PRIOR WRITTEN PERMISSION IS PROVIDED BY THE OWNER.
33. THE TERM "AS DIRECTED" AS USED IN THE CONTRACT DRAWINGS SHALL BE REPLACED WITH "AS REQUIRED".

EROSION AND SEDIMENT CONTROL NOTES

1. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE PUT INTO PLACE PRIOR TO BEGINNING ANY CONSTRUCTION OR DEMOLITION. REFER TO PLAN FOR APPROXIMATE LOCATION OF EROSION AND SEDIMENT CONTROL. REFER TO SPECS AND DETAILS FOR TYPE OF EROSION AND SEDIMENT CONTROL.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTINUAL MAINTENANCE OF ALL CONTROL DEVICES THROUGHOUT THE DURATION OF THE PROJECT.
3. CONTRACTOR SHALL MEET ALL OF THE STATE OF MASSACHUSETTS D.E.P. AND THE TOWN OF TRURO WETLANDS PROTECTION REGULATIONS FOR SEDIMENT AND EROSION CONTROL.
4. EXCAVATED MATERIAL STOCKPILED ON THE SITE SHALL BE SURROUNDED BY A RING OF UNBROKEN SEDIMENT AND EROSION CONTROL FENCE. THE LIMITS OF ALL GRADING AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE APPROVED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE OF THE LIMIT OF CONTRACT SHALL REMAIN TOTALLY UNDISTURBED UNLESS OTHERWISE APPROVED BY OWNER'S REPRESENTATIVE.
5. ALL CATCH BASINS, DRAIN GRATES, AND CURB INLETS WITHIN OR ADJACENT TO THE PROJECT LIMITS SHALL BE PROTECTED WITH INLET SEDIMENT CONTROL DURING THE ENTIRE DURATION OF CONSTRUCTION.
6. SEDIMENT CONTROL BARRIERS TO BE INSTALLED AT THE TOE OF SLOPES. SEE GRADING & DRAINAGE PLANS, NOTES, DETAILS AND SPECIFICATIONS.
7. ANY AREA OUTSIDE THE PROJECT LIMIT THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO THE OWNER.
8. THE CONTRACTOR SHALL PROVIDE DUST CONTROL FOR CONSTRUCTION OPERATIONS AS APPROVED BY OWNER.
9. ALL POINTS OF CONSTRUCTION EGRESS OR INGRESS SHALL BE MAINTAINED TO PREVENT TRACKING OR FLOWING OF SEDIMENT ON TO PUBLIC/Private ROADS.

GRADING, UTILITIES & DRAINAGE NOTES

1. ALL WORK RELATING TO INSTALLATION, RENOVATION OR MODIFICATION OF WATER, DRAINAGE AND/OR SEWER SERVICES SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS OF THE TOWN OF TRURO.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND GRADES ON THE GROUND AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE OWNER.
3. ALL GRADING IS TO BE SMOOTH AND CONTINUOUS WHERE PROPOSED GRAVEL SURFACE MEETS EXISTING SURFACE. BLEND THE TWO PAVEMENTS AND ELIMINATE ROUGH SPOTS AND ABRUPT GRADE CHANGES AND MEET LINE AND GRADE OF EXISTING CONDITIONS WITH NEW IMPROVEMENTS.
4. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE (1.5% MINIMUM) AWAY FROM ALL BUILDING FOUNDATIONS AND STRUCTURES.
5. CONTRACTOR SHALL ENSURE ALL AREAS ARE PROPERLY PITCHED TO DRAIN, WITH NO SURFACE WATER PONDING OR PUDDLING.
6. ALL NEW WALKWAYS / ACCESS PATHS MUST CONFORM TO CURRENT AMERICANS WITH DISABILITIES ACT (ADA) REGULATIONS. WALKWAYS SHALL MAINTAIN A GROSS PITCH OF NOT MORE THAN ONE AND A HALF PERCENT (1.5%) AND THE RUNNING SLOPE (PARALLEL TO THE DIRECTION OF TRAVEL) BETWEEN 1% MIN. AND 5% MAX.
7. MINIMUM SLOPE ON ALL WALKWAYS WILL BE 1:100 OR 1% TO PROVIDE POSITIVE DRAINAGE. ANY DISCREPANCIES NOT ALLOWING THIS TO OCCUR SHALL BE REPORTED TO THE ENGINEER PRIOR TO CONTINUING WORK.
8. ALL UTILITY GRATES, COVERS OR OTHER SURFACE ELEMENTS INTENDED TO BE EXPOSED AT GRADE SHALL BE FLUSH WITH THE ADJACENT FINISHED GRADE AND ADJUSTED TO PROVIDE A SMOOTH TRANSITION AT ALL EDGES.
9. THE CONTRACTOR SHALL SET SUBGRADE ELEVATIONS TO ALLOW FOR POSITIVE DRAINAGE AND PROVIDE EROSION CONTROL DEVICES, STRUCTURES, MATERIALS AND CONSTRUCTION METHODS TO DIRECT SILT MIGRATION AWAY FROM DRAINAGE AND OTHER UTILITY SYSTEMS, PUBLIC/Private STREETS AND WORK AREAS. CLEAN BASINS REGULARLY AND AT THE END OF THE PROJECT.
10. EXCAVATION REQUIRED WITHIN PROXIMITY OF KNOWN EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.
11. WHERE NEW EARTHWORK MEETS EXISTING EARTHWORK, CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY INTO EXISTING, PROVIDING VERTICAL CURVES OR ROUNDS AT ALL TOP AND BOTTOM OF SLOPES.
12. WHERE A SPECIFIC LIMIT OF WORK LINE IS NOT OBVIOUS OR IMPLIED, BLEND GRADES TO EXISTING CONDITIONS WITHIN 5 FEET OF PROPOSED CONTOURS.
13. RESTORE ALL DISTURBED AREAS AND LIMITS OF ALL REMOVALS TO LOAM AND SEED (L&S) UNLESS OTHERWISE NOTED.
14. SEE EARTHWORK SECTION OF SPECIFICATIONS FOR SPECIFIC EXCAVATION AND FILLING PROCEDURES.
15. FOR STRUCTURE REMODELING (REMOD), CONSTRUCTION METHODS SHALL FOLLOW MASSACHUSETTS DOT STANDARD SPEC. LATEST EDITION (SECTION 220).

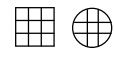
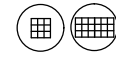

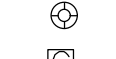

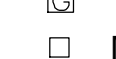




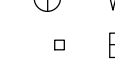











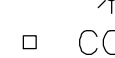
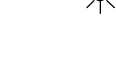



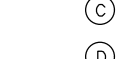

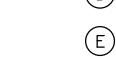






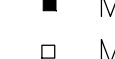









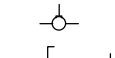
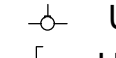
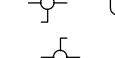
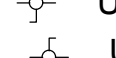
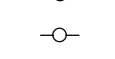

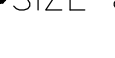

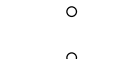
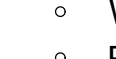

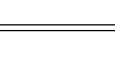
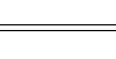
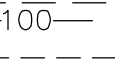

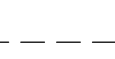
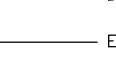
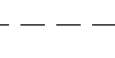

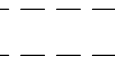


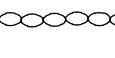
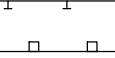


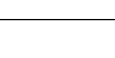
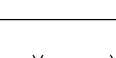

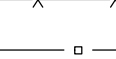

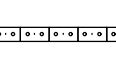



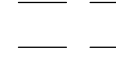

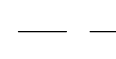
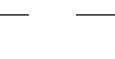



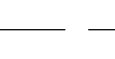

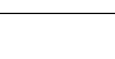
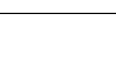
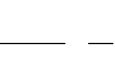
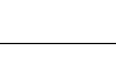
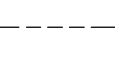
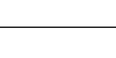










































DEMOLITION & SITE PREPARATION NOTES

1. THE CONTRACTOR SHALL INCLUDE IN THE BID THE COST OF REMOVING ANY EXISTING SITE FEATURES AND APPURTENANCES NECESSARY TO ACCOMPLISH THE CONSTRUCTION OF THE PROPOSED SITE IMPROVEMENTS. THE CONTRACTOR SHALL ALSO INCLUDE IN THE BID THE COST NECESSARY TO RESTORE SUCH ITEMS IF THEY ARE SCHEDULED TO REMAIN AS PART OF THE FINAL SITE IMPROVEMENTS. REFER TO PLANS TO DETERMINE EXCAVATION, DEMOLITION AND TO DETERMINE THE LOCATION OF THE PROPOSED SITE IMPROVEMENTS.
2. THE OWNER RESERVES THE RIGHT TO REVIEW ALL MATERIALS DESIGNATED FOR REMOVAL AND TO RETAIN OWNERSHIP OF SUCH MATERIALS. IF THE OWNER RETAINS ANY MATERIAL THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE OWNER TO HAVE THOSE MATERIALS REMOVED OFF SITE AT NO ADDITIONAL COST.
3. UNLESS SPECIFICALLY NOTED TO BE SAVED / STOCKPILED (R&S) OR REUSED / RELOCATED (R&R), ALL SITE FEATURES CALLED FOR REMOVAL (REM) SHALL BE REMOVED WITH THEIR FOOTINGS, ATTACHMENTS, BASE MATERIAL, ETC. TRANSPORTED FROM THE SITE TO BE DISPOSED OF IN A LAWFUL MANNER AT AN ACCEPTABLE DISPOSAL SITE AND AT NO COST TO THE OWNER.
4. ALL EXISTING SITE FEATURES TO REMAIN SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION PERIOD. ANY FEATURES DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST.
5. DURING EARTHWORK OPERATIONS, CONTRACTOR SHALL TAKE CARE TO NOT DISTURB EXISTING MATERIALS TO REMAIN. OUTSIDE THE LIMITS OF EXCAVATION AND BACKFILL AND SHALL TAKE WHATEVER MEASURES NECESSARY, AT THE CONTRACTOR'S EXPENSE, TO PREVENT ANY EXCAVATED MATERIAL FROM COLLAPSING. ALL BACKFILL MATERIALS SHALL BE PLACED AND COMPACTED AS SPECIFIED TO THE SUBGRADE REQUIRED FOR THE INSTALLATION OF THE REMAINDER OF THE CONTRACT WORK.
6. IT SHALL BE THE CONTRACTOR'S OPTION, WITH CONCURRENCE OF THE OWNER, TO REUSE EXISTING GRAVEL OR CRUSHED AND PROCESSED ROCK IF IT MEETS THE REQUIREMENTS OF THE SPECIFICATIONS FOR GRAVEL BORROW. RE-USE OF ON-SITE MATERIALS SHALL BE EVALUATED ON A CASE-BY-CASE BASIS BY THE GEOTECHNICAL ENGINEER.
7. ALL ITEMS CALLED FOR REMOVAL SHALL BE REMOVED TO FULL DEPTH INCLUDING ALL FOOTINGS, FOUNDATIONS, AND OTHER APPURTENANCES, EXCEPT AS SPECIFICALLY NOTED OTHERWISE.
8. 'CLEAR AND GRUB VEGETATION' SHALL INCLUDE REMOVAL OF GRASS, SHRUBS, AND UNDERBRUSH, REMOVAL OF ROOTS, ROUGH GRADING, INSTALLATION OF LOAM (IF APPLICABLE), FINE GRADING, SEEDING AND TURF ESTABLISHMENT BY THE CONTRACTOR.
9. TREES DESIGNATED FOR REMOVAL SHALL BE TAGGED BY CONTRACTOR AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF CONSTRUCTION.
10. THE STORAGE OF MATERIALS AND EQUIPMENT WILL BE PERMITTED AT LOCATIONS DESIGNATED BY OWNER OR OWNER'S REPRESENTATIVE. PROTECTION OF STORED MATERIALS AND EQUIPMENT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
11. STRIP & STORE EXISTING TOPSOIL FOR LATER REUSE WHERE APPROPRIATE, AND AS NOTED ON PLAN, WITH APPROPRIATE EROSION AND SEDIMENT CONTROLS.
12. THE CONTRACTOR SHALL PROTECT EXISTING TREES TO REMAIN, CONTRACTOR SHALL INSTALL TREE PROTECTION BARRIER AFTER CLEARING UNDERBRUSH AND TAKE DUE CARE TO PREVENT INJURY TO TREES DURING CLEARING OPERATIONS.

LAYOUT & MATERIALS NOTES

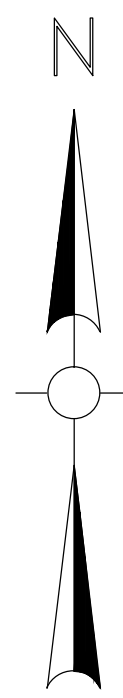
1. REFER TO EXISTING CONDITIONS PLANS FOR SURVEY INFORMATION (SHEETS C100 & C101).
2. COORDINATE ALL LAYOUT ACTIVITIES WITH THE SCOPE OF WORK CALLED FOR BY DEMOLITION, GRADING, AND UTILITIES OPERATIONS ENCOMPASSED BY THIS CONTRACT. SET, PROTECT AND REPLACE REFERENCE STAKES AS NECESSARY OR AS REQUIRED BY THE OWNER'S REPRESENTATIVE.
3. ALL WORK SHALL BE PERFORMED BY CONTRACTOR UNLESS SPECIFICALLY INDICATED THAT THE WORK WILL BE PERFORMED "BY OWNER".
4. THE LAYOUT OF SITE AMENITIES AND FENCES MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
5. THE LAYOUT OF ALL NEW PATHWAYS / WALKWAYS AND THE GRADING OF ALL SLOPES AND CROSS SLOPES SHALL CONFORM TO THE COMMONWEALTH OF MASSACHUSETTS RULES AND REGULATIONS FOR HANDICAP ACCESS CMR 521, AND THE AMERICANS WITH DISABILITIES ACT (ADA), TITLE 3. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THOSE REQUIRED.
6. ALL LAYOUT LINES, OFFSETS, OR REFERENCES TO LOCATING OBJECTS ARE EITHER PARALLEL OR PERPENDICULAR UNLESS OTHERWISE DESIGNATED WITH ANGLE OFFSETS NOTED.
7. ALL PROPOSED SITE FEATURES SHALL BE LAID OUT AND STAKED FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF INSTALLATION. ANY REQUIRED ADJUSTMENTS TO THE LAYOUT SHALL BE UNDERTAKEN AS DIRECTED, AT NO ADDITIONAL COST TO THE OWNER.
8. ALL PROPOSED PAVEMENTS SHALL MEET THE LINE AND GRADE OF EXISTING ADJACENT PAVEMENT SURFACES AND SHALL BE TREATED WITH AN RS-1 TACK COAT AT POINT OF CONNECTION. ALL PATHWAY WIDTHS SHALL BE AS NOTED ON THE LAYOUT AND MATERIALS PLAN.
9. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND GRADES ON THE GROUND AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE OWNER.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD MEASUREMENT OF ALL PROPOSED FENCES AND GATES.
11. THE DEPTH OF LOAM BORROW FOR ALL PROPOSED LAWN AREAS SHALL BE 6" MINIMUM. ALL DISTURBED AREAS SHALL BE RESTORED WITH LOAM AND SEED UNLESS OTHERWISE NOTED.
12. ALL REFERENCES TO LOAM AND SEED (L&S) REFER TO LOAM BORROW AND HYDROMULCH SEEDED LAWN.
13. REFER TO DETAIL DRAWINGS FOR CONSTRUCTION DETAILS.

GENERAL SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
 CB	 CB	CATCH BASIN
 FP	 FP	FLAG POLE
 GP	 GP	GAS PUMP
 MB	 MB	MAIL BOX
 □	 □	POST SQUARE
 ○	 ○	POST CIRCULAR
 WELL	 WELL	WELL
 EHH	 EHH	ELECTRIC HANDHOLE
 ○	 ○	FENCE GATE POST
 GG	 GG	GAS GATE
 BHL #	 BHL #	BORING HOLE
 MW #	 MW #	MONITORING WELL
 TP #	 TP #	TEST PIT
 □	 □	HYDRANT
 ✱	 ✱	LIGHT POLE
 □ CO.BD.		COUNTY BOUND
 ○		GPS POINT
 ○	 ○	CABLE MANHOLE
 ○	 ○	DRAINAGE MANHOLE
 ○	 ○	ELECTRIC MANHOLE
 ○	 ○	GAS MANHOLE
 ○	 ○	MISC MANHOLE
 ○	 ○	SEWER MANHOLE
 ○	 ○	TELEPHONE MANHOLE
 ○	 ○	WATER MANHOLE
 MHB	 MHB	MASSACHUSETTS HIGHWAY BOUND
 MON		MONUMENT
 SB		STONE BOUND
 TB		TOWN OR CITY BOUND
 Δ		TRAVERSE OR TRIANGULATION STATION
 -o TPL or GUY	 -o TPL or GUY	TROLLEY POLE OR GUY POLE
 ○ HTP		TRANSMISSION POLE
 -o UFB	 -o UFB	UTILITY POLE W/ FIREBOX
 -o UPDL	 -o UPDL	UTILITY POLE WITH DOUBLE LIGHT
 -o ULT	 -o ULT	UTILITY POLE W / 1 LIGHT
 -o UPL	 -o UPL	UTILITY POLE
 ○		BUSH
 ●	 ●	TREE
 ○		STUMP
 W		WETLAND
 WG	 WG	WATER GATE
 PM	 PM	PARKING METER
 -o-	 -o-	OVERHEAD CABLE/WIRE
 -o00- -o99- -o	 -o00- -o99- -o	CURBING
 -o-	 -o-	CONTOURS (ON-THE-GROUND SURVEY DATA)
 -o-	 -o-	UNDERGROUND DRAIN PIPE
 -o-	 -o-	UNDERGROUND ELECTRIC DUCT
 -o-	 -o-	UNDERGROUND GAS MAIN
 -o-	 -o-	UNDERGROUND SEWER MAIN
 -o-	 -o-	UNDERGROUND TELEPHONE DUCT
 -o-	 -o-	UNDERGROUND WATER MAIN
 -o-	 -o-	BALANCED STONE WALL
 -o-	 -o-	GUARD RAIL - STEEL POSTS
 -o-	 -o-	GUARD RAIL - WOOD POSTS
 -o-	 -o-	GUARD RAIL - DOUBLE FACE - STEEL POSTS
 -o-	 -o-	GUARD RAIL - DOUBLE FACE - WOOD POSTS
 -o-	 -o-	CHAIN LINK OR METAL FENCE
 -o-	 -o-	WOOD FENCE
 -o-	 -o-	SEDIMENT CONTROL BARRIER
 -o-	 -o-	TREE LINE
 -o-	 -o-	SAWCUT LINE
 -o-	 -o-	TOP OR BOTTOM OF SLOPE
 -o-	 -o-	LIMIT OF EDGE OF PAVEMENT OR COLD PLANE AND OVERLAY
 -o-	 -o-	BANK OF RIVER OR STREAM
 -o-	 -o-	BORDER OF WETLAND
 -o-	 -o-	100 FT WETLAND BUFFER
 -o-	 -o-	200 FT RIVERFRONT BUFFER
 -o-	 -o-	STATE HIGHWAY LAYOUT
 -o-	 -o-	TOWN OR CITY LAYOUT
 -o-	 -o-	COUNTY LAYOUT
 -o-	 -o-	RAILROAD SIDELINE
 -o-	 -o-	TOWN OR CITY BOUNDARY LINE
 -o-	 -o-	PROPERTY LINE OR APPROXIMATE PROPERTY LINE
 -o-	 -o-	EASEMENT

ABBREVIATIONS

GENERAL	
AADT	ANNUAL AVERAGE DAILY TRAFFIC
ABAN	ABANDON
ADJ	ADJUST
APPROX.	APPROXIMATE
A.C.	ASPHALT CONCRETE
BIT.	BITUMINOUS
BC	BOTTOM OF CURB
BD.	BOUND
BL	BASELINE
BLDG	BUILDING
BM	BENCHMARK
BO	BY OTHERS
BOS	BOTTOM OF SLOPE
BR.	BRIDGE
CB	CATCH BASIN
CBCI	CATCH BASIN WITH CURB INLET
CC	CEMENT CONCRETE
CCM	CEMENT CONCRETE MASONRY
CEM	CEMENT
CI	CURB INLET
CIP	CAST IRON PIPE
CLF	CHAIN LINK FENCE
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CO.	COUNTY
CONC	CONCRETE
CONT	CONTINUOUS
CONST	CONSTRUCTION
DHV	DESIGN HOURLY VOLUME
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DWY	DRIVEWAY
ELEV (or EL.)	ELEVATION
EOP	EDGE OF PAVEMENT



- NOTES:
- 1) THE INFORMATION SHOWN HEREON IS BASED ON AN ON-THE-GROUND SURVEY PERFORMED BETWEEN SEPTEMBER 26 & DECEMBER 4, 2024, BY ALPHA SURVEY GROUP, LLC.
 - 2) THE HORIZONTAL DATUM FOR THIS PROJECT IS THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83), CORS ADJUSTMENT (NAD83 [2011]GEOID18) AS DETERMINED BY REDUNDANT GPS OBSERVATIONS MADE BETWEEN SEPTEMBER 26 & OCTOBER 4, 2024. UTILIZING MACORS REAL TIME NETWORK.
 - 3) THE VERTICAL DATUM FOR THIS PROJECT IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), CORS ADJUSTMENT (NAD83 [2011]GEOID18) AS DETERMINED BY REDUNDANT GPS OBSERVATIONS MADE BETWEEN SEPTEMBER 26 & OCTOBER 4, 2024. UTILIZING MACORS REAL TIME NETWORK. DIFFERENTIAL LEVELING WAS PERFORMED BETWEEN THE BENCHMARKS SHOWN HERON AND SELECT ALPHA SURVEY CONTROL POINTS UTILIZING A SOKKIA DIGITAL LEVEL & BAR-CODED ROD.
 - 5) THE SUBJECT PREMISES DOES NOT LIE WITHIN A FEMA FLOOD ZONE BASED UPON FLOOD INSURANCE RATE MAP NUMBERS 25001C0231J WITH AN EFFECTIVE DATE OF 7/16/2014.
 - 6) THE PROPERTY LINES SHOWN HEREON ARE BASED ON CITED PLANS AND DEEDS AND AN ON-THE-GROUND SURVEY. THE BOUNDARIES WERE ESTABLISHED UTILIZING PRIMACODE'S TRANSFORM PROGRAM TO OBTAIN A "BEST FIT" TO MONUMENTS LOCATED IN THE FIELD.
 - 7) THIS PLAN AND THE ACCOMPANYING CERTIFICATIONS DO NOT CONSTITUTE A CERTIFICATION OF TITLE TO THE PROPERTY DISPLAYED HEREON. THE OWNER OF LOCUS AND ABUTTING PROPERTIES ARE SHOWN ACCORDING TO THE CURRENT TOWN ASSESSOR'S RECORDS. THIS PLAN WAS PREPARED WITHOUT THE BENEFIT OF A TITLE ABSTRACT AND IS SUBJECT TO THE RESTRICTIONS, COVENANTS AND/OR EASEMENTS THAT MAY BE CONTAINED THEREIN.
 - 8) TOPOGRAPHICAL CONTOURS SHOWN ON 22 & 24 MEETING HOUSE RD. TAKEN FROM 2021 USGS LIDAR: CENTRAL EASTERN MASSACHUSETTS.
 - 9) ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE ONLY AND WERE COMPILED ACCORDING TO AVAILABLE RECORD PLANS FROM THE VARIOUS UTILITY COMPANIES AND PUBLIC AGENCIES. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD.

PLAN REFERENCES:

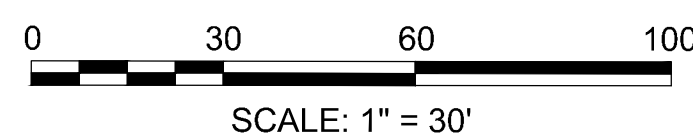
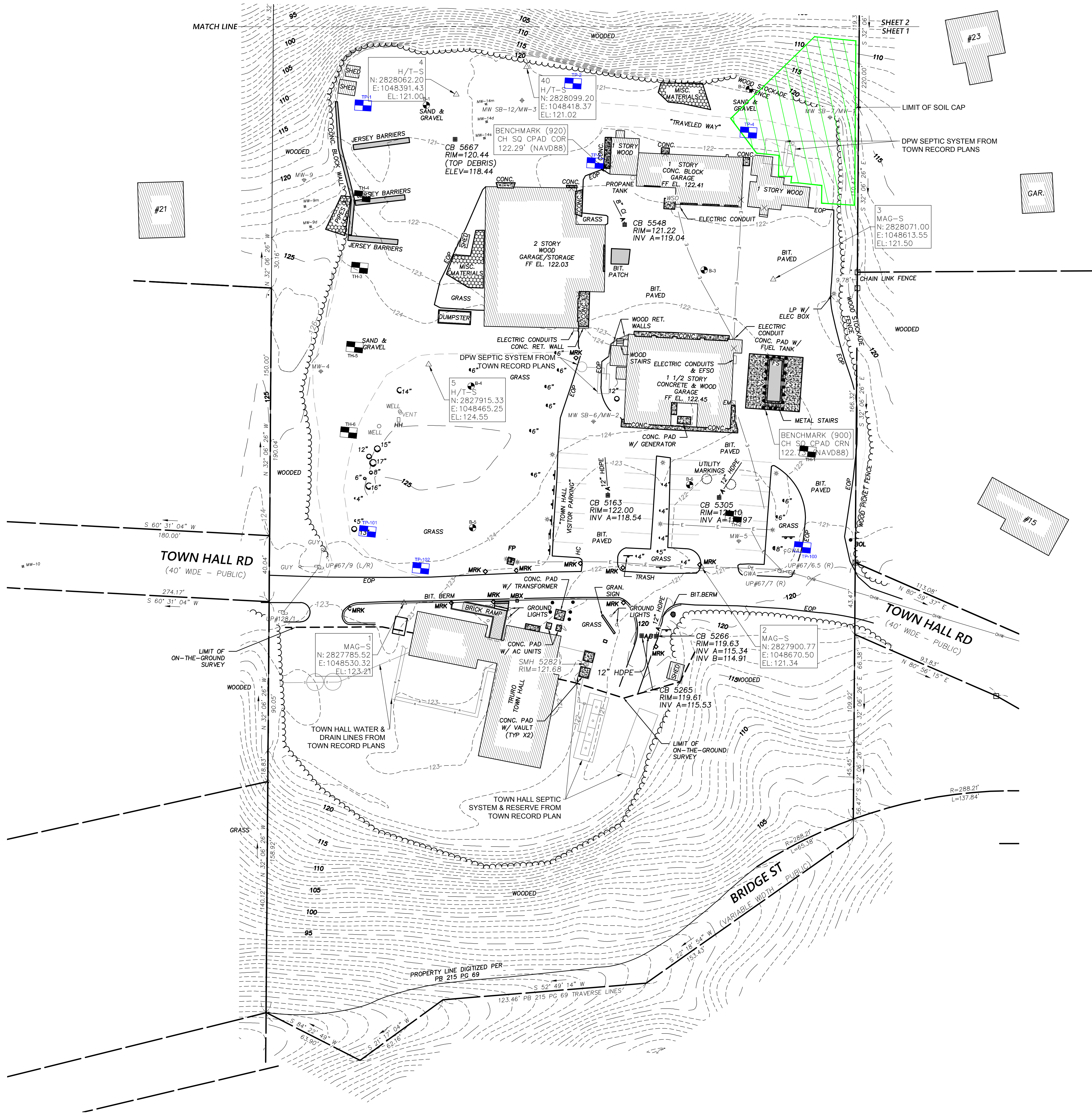
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PB 174 PG 85
PB 213 PG 45
PB 215 PG 69
PB 318 PG 60
PB 368 PG 100
PB 378 PG 19
PB 551 PG 12

DRAWING LEGEND

WATER SHUT OFF	WSO
ELECTRIC METER	
UTILITY POLE	
GUY WIRE ANCHOR	○ GUY
SEWER MANHOLE	
CATCH BASIN	
HAND HOLE	
HYDRANT	
BOLLARD	
LIGHT POLE	
FLOODLIGHT	
TREE (SIZE INCHES)	
MONITORING WELL	⊕ MW#
GAS LINE	— G —
TELEPHONE LINE	— T —
DRAIN LINE	— D —
SEWER LINE	— S —
ELECTRIC LINE	— E —
WATER LINE	— W —
OVERHEAD ELECTRIC	— OW —
CHAIN LINK FENCE	— X — X —
TREELINE	
RETAINING	RET.
CONCRETE	CONC.
BITUMINOUS	BIT.
SPOT GRADE	X 100.00
FOUND	-F
RECORD	(R)
STONE BOUND	SB
CONCRETE BOUND	CB
DRILL HOLE	DH
IRON PIPE	IP
IRON ROD	IR
PARKER-KALON NAIL	PK
MAG NAIL	MAG
BENCHMARK	
TRAVERSE (CONTROL) POINT	
SIGN	
REFLECTIVE ROAD MARKER	◇ MRK
SPLICE BOX	□ SBOX
EMERGENCY FUEL SHUT OFF	EFSD
FUEL SERVICE PUMP	FS
FLAG POLE	⊙ FP

SUBSURFACE INVESTIGATION LEGEND

	4/15/2025 - 4/16/2025 BORINGS COMPLETED BY DESMOND WELL DRILLING, INC., OBSERVED & LOCATED BY WESTON & SAMPSON (WSE)
	4/15/2025 STORMWATER TEST PITS (FIELD NOTES COMPLETED BY TRURO BOH)
	PROPOSED TEST PITS



Project: TOWN OF TRURO, MA
NEW DEPARTMENT OF PUBLIC
WORKS FACILITY



17 TOWN HALL
TRURO, MA 02666

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Consultants:

Revisions:

No.	Date	Description

COA:

Seal:

Issued For:

DESIGN DEVELOPMENT
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CONSTRUCTION

Scale: AS NOTED

Date: 10-03-2025

Drawn By: CTP

Reviewed By: AP

Approved By: AP

W&S Project No.: ENG24 - 1552

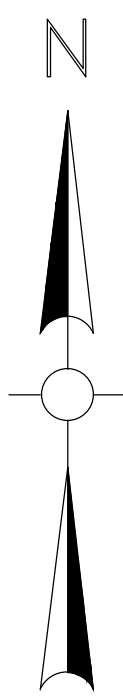
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EXISTING
CONDITIONS
PLAN I

Sheet Number:

C100



Project: TOWN OF TRURO, MA
NEW DEPARTMENT OF PUBLIC
WORKS FACILITY



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Scale: AS NOTED

Date: 10-03-2025

Drawn By: CTP

Reviewed By: AP

Approved By: AP

W&S Project No.: ENG24 - 1552

W&S File No.: -

Drawing Title:

EXISTING
CONDITIONS
PLAN II

Sheet Number:

C101

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SITE NOTES

- ALL EXISTING PIPES TO BE ABANDONED SHALL BE DONE IN ACCORDANCE WITH SPECIFICATION SECTION 02 41 13.29 "ABANDONMENT OF SEWER AND DRAINS."
- 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 COORDINATE REMOVAL OF MATERIAL STOCKPILES WITH THE ABINGTON DPW. TOWN SHALL REMOVE MATERIAL STOCKPILES IN ADVANCE OF THE WORK.
- ALL UTILITIES AND DRAINAGE STRUCTURES BELOW PROPOSED FOOTPRINT OF BUILDINGS MUST BE REMOVED IN THEIR ENTIRETY.
- REMOVAL OF CONCRETE WALLS SHALL INCLUDE ALL ASSOCIATED FOUNDATIONS.
- UTILITIES FOR SITE AMENITIES INCLUDING LIGHT POLES AND BUILDINGS SCHEDULED TO BE DEMOLISHED SHALL BE DISCONNECTED AND MADE SAFE AT THE POWER SOURCE BY THE ELECTRICAL FILED SUB-BIDDER. SITE CONTRACTOR TO REMOVE AMENITIES INCLUDING THE DISCONNECTED UTILITIES FEEDING THE AMENITIES.
- ALL VOIDS CREATED BY REMOVAL OF EXISTING ELEMENTS SHALL BE BACKFILLED WITH GRAVEL BORROW IN ACCORDANCE WITH 31.00.00 EARTHWORK.
- CONTRACTOR SHALL BE AWARE THAT THE EXISTING LIMIT OF BITUMINOUS CONCRETE IS APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY LIMITS PRIOR TO BIDDING. ALL EXISTING BITUMINOUS CONCRETE SHALL BE REMOVED TO COMPLETE THE PROPOSED WORK WITHOUT ADJUSTMENT TO COMPENSATION.
- SEDIMENTATION CONTROL DEVICES WITHIN THE TOWN'S RIGHT OF WAY, MUST BE MAINTAINED, INSPECTED, CLEANED AND REPLACED AS NECESSARY TO PREVENT POSSIBLE FLOODING ISSUES DURING RAIN EVENTS. ONCE ALL WORK IS DONE, ANY SEDIMENTATION CONTROL DEVICES MUST BE REMOVED BY THE CONTRACTOR AS SOON AS POSSIBLE.
- CONTRACTOR SHALL CORDON OFF THE WATER QUALITY BIOTRETENTION SWALE AREA TO PREVENT CONSTRUCTION EQUIPMENT AND STOCKPILES MATERIALS FROM COMPACTING THE SUBGRADE SOILS. SEE PLAN C401 GRADING & DRAINAGE PLAN FOR MORE NOTES ON PROTECTING THE STORMWATER SWALE DURING CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN CONTINUOUS ACCESS TO ENSURE CONTINUOUS OPERATION OF THE EXISTING FUEL ISLAND AND COORDINATE ANY CONSTRUCTION ACTIVITIES THAT MIGHT TEMPORARILY INTERFERE WITH OPERATION WITH THE TOWN.

SITE PREPARATION LEGEND

- STABILIZED CONST ENTRANCE
- STRUCTURES TO BE DEMOLISHED AND REMOVED FROM SITE
- GRAVEL SURFACE TO BE REMOVED
- PAVEMENT TO BE REMOVED
- LIMITS OF TREE CLEARING
- EXISTING BUILDING/STRUCTURE TO REMAIN
- TEMPORARY CONSTRUCTION FENCE
- SILT FENCE
- COMPOST FILTER TUBING
- LIMIT OF WORK
- TREE REMOVAL
- INLET PROTECTION

NOT
CRISTIAN, JACQUES F
& ASSOCIATES
20 TOWN HALL RD
FOXBOROUGH, MA 02035
PARCEL ID: 90-0071-0
SHEET NO. 201
PAGE 211

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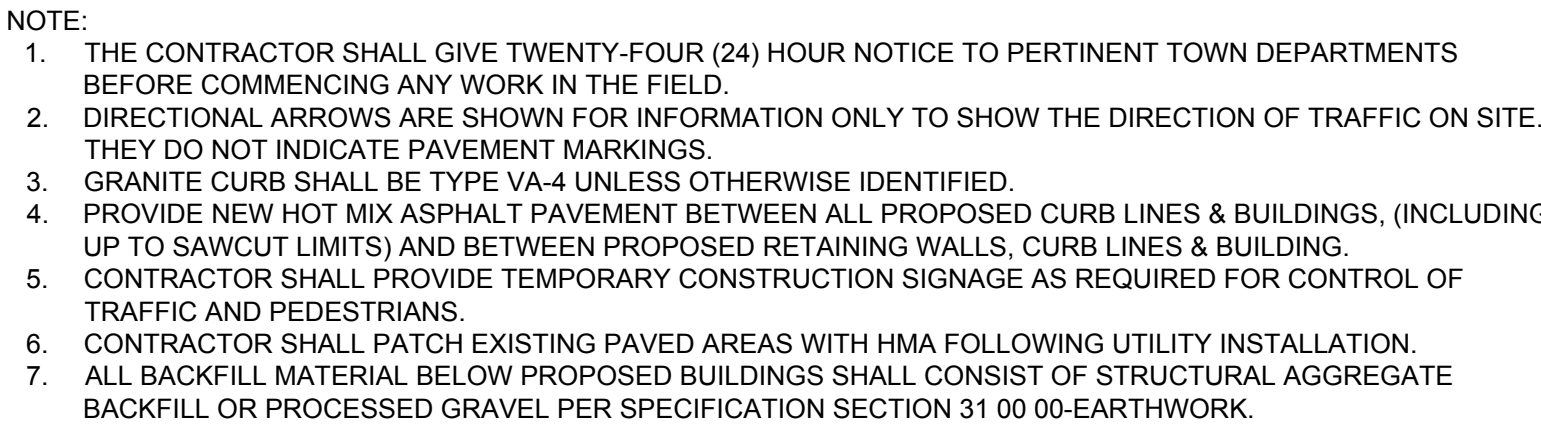
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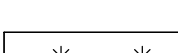


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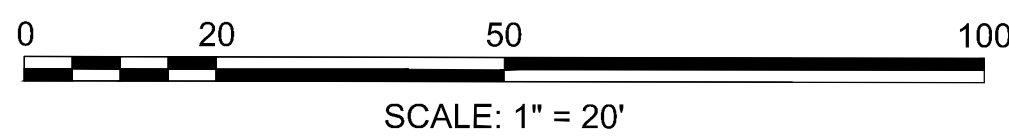
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<u>LEGEND</u>	
	BITUMINOUS PAVEMENT
	CONCRETE
	LOAM & SEED/PLANTINGS (SEE LANDSCAPE PLAN)
	MODIFIED ROCKFILL
	LIMIT OF WORK



ultarits:

Transactions:	
Date	Description

and For:

DESIGN DEVELOPMENT
NOT RELEASED FOR
CONSTRUCTION

e: AS NOTED

Reviewed By: AP

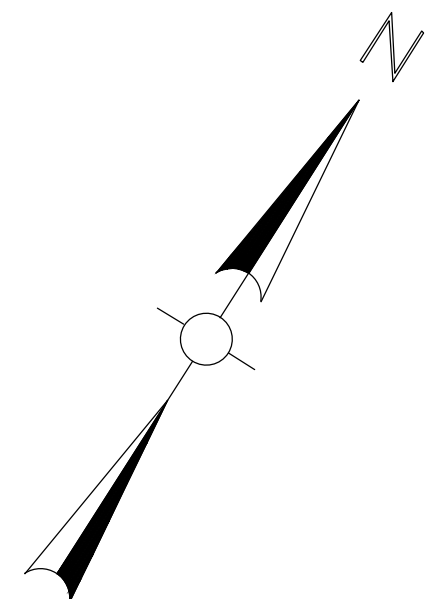
S Project No.:ENG24 - 1552

ing Title:

SITE LAYOUT & MATERIALS PLAN

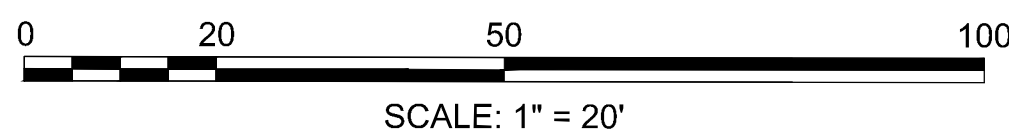
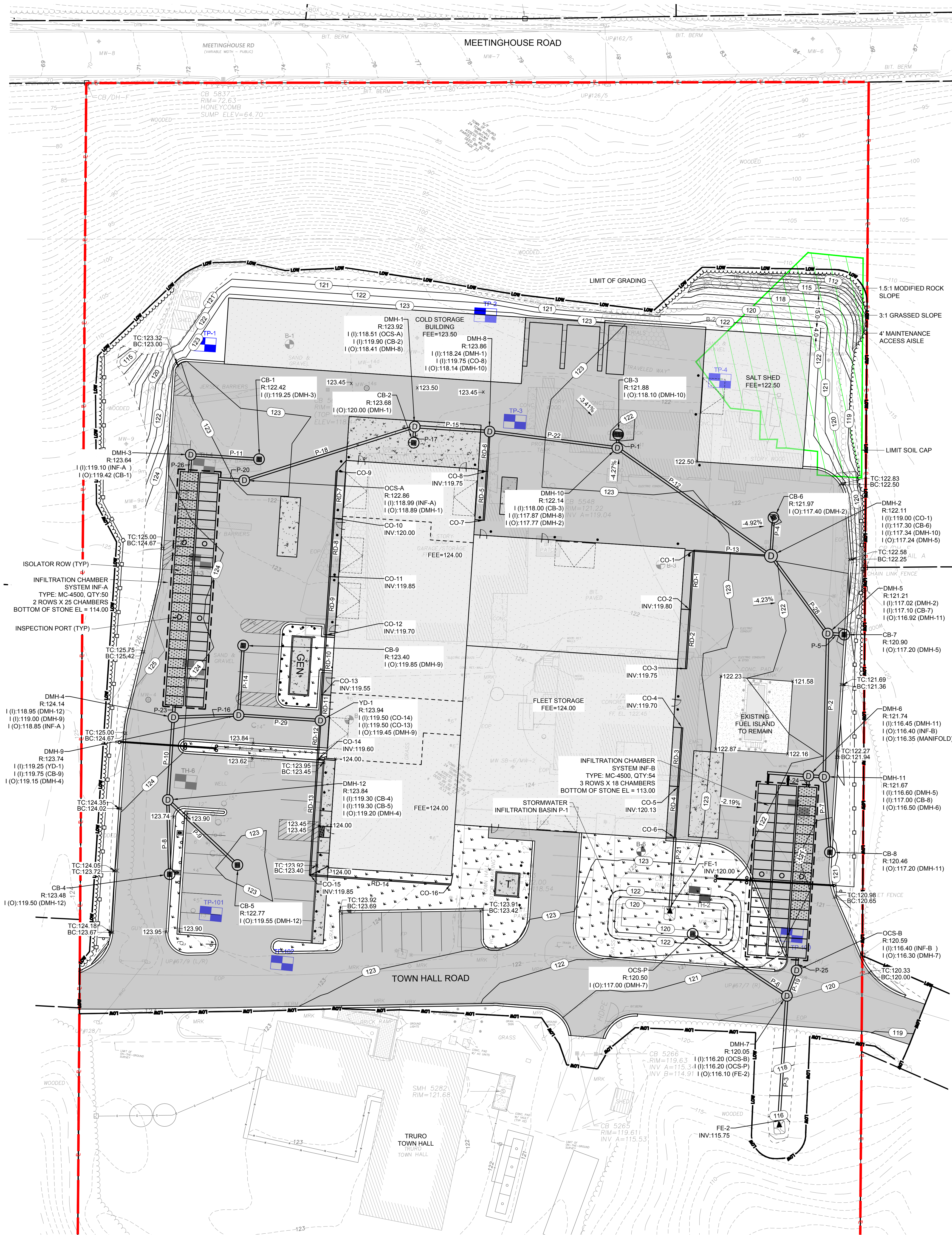
Account Number:

C301



PIPE TABLE					
PIPE	SIZE & TYPE	LENGTH	SLOPE	INV IN	INV OUT
MANIFOLD	12" HDPE	17-LF	0.006	116.35	116.25
P-1	12" HDPE	2-LF	0.016	118.10	118.00
P-2	12" HDPE	61-LF	0.005	116.92	116.60
P-3	12" HDPE	53-LF	0.006	116.10	115.75
P-4	12" HDPE	13-LF	0.006	117.40	117.30
P-5	12" HDPE	4-LF	0.013	117.20	117.10
P-6	12" HDPE	47-LF	0.016	117.00	116.20
P-7	12" HDPE	30-LF	0.006	117.20	117.00
P-8	12" HDPE	30-LF	0.006	119.50	119.30
P-9	12" HDPE	39-LF	0.006	119.55	119.30
P-10	12" HDPE	34-LF	0.007	119.20	118.95
P-11	12" HDPE	27-LF	0.005	119.42	119.25
P-12	12" HDPE	81-LF	0.005	117.77	117.34
P-13	6" HDPE	31-LF	0.017	119.60	119.00
P-14	12" HDPE	28-LF	0.003	119.85	119.75
P-15	12" HDPE	30-LF	0.005	118.41	118.24
P-16	12" HDPE	26-LF	0.005	119.15	119.00
P-17	12" HDPE	3-LF	0.014	120.00	119.90
P-18	12" HDPE	77-LF	0.005	118.89	118.51
P-19	12" HDPE	8-LF	0.008	116.30	116.20
P-20	12" HDPE	8-LF	0.009	119.10	118.99
P-21	12" HDPE	30-LF	0.004	120.13	120.00
P-22	12" HDPE	54-LF	0.005	118.14	117.87
P-23	12" HDPE	1-LF	0.009	118.85	118.80
P-24	12" HDPE	1-LF	0.000	116.40	116.40
P-25	12" HDPE	2-LF	0.000	116.40	116.40
P-26	12" HDPE	4-LF	0.006	119.15	119.10
P-27	12" HDPE	3-LF	0.007	116.50	116.45
P-28	12" HDPE	39-LF	0.005	117.24	117.02
P-29	12" HDPE	33-LF	0.005	119.45	119.25

PIPE TABLE					
PIPE	SIZE & TYPE	LENGTH	SLOPE	INV IN	INV OUT
RD-1	6" HDPE	23-LF	0.002	119.85	119.80
RD-2	6" HDPE	23-LF	0.002	119.80	119.75
RD-3	6" HDPE	23-LF	0.002	119.75	119.70
RD-4	6" HDPE	19-LF	0.005	120.25	120.13
RD-5	6" HDPE	18-LF	0.000	119.75	119.75
RD-6	6" HDPE	14-LF	0.000	119.75	119.75
RD-7	6" HDPE	17-LF	0.005	120.10	120.00
RD-8	6" HDPE	23-LF	0.006	120.00	119.85
RD-9	6" HDPE	23-LF	0.006	119.85	119.70
RD-10	6" HDPE	23-LF	0.006	119.70	119.55
RD-11	6" HDPE	8-LF	0.004	119.55	119.50
RD-12	6" HDPE	14-LF	0.006	119.60	119.50
RD-13	6" HDPE	49-LF	0.005	119.85	119.60
RD-14	6" HDPE	60-LF	0.005	120.15	119.85



- NOTES:
1. ALL EXISTING EARTHWORK MATERIALS, (EXCEPT FOR STOCKPILED FILL MATERIALS SHOWN ON C101) MAY BE INCORPORATED IN THE WORK AND USED FOR BACKFILL IF MATERIALS MEET 31.00.00 EARTHWORK SPECIFICATION REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR TESTING OF EXISTING MATERIAL FOR POTENTIAL REUSE ON SITE. IF MATERIAL DOES NOT MEET MATERIAL REQUIREMENTS LISTED IN 31.00.00 FOR REUSE ON SITE, THEN THE CONTRACTOR SHALL REMOVE AND DISPOSE OF MATERIAL AND IMPORT NEW MATERIAL AS NEEDED TO COMPLETE THE WORK AT NO ADDITIONAL COST TO THE TOWN. THE CONTRACTOR SHALL PROVIDE ADDITIONAL BACKFILL MATERIALS AS NEEDED AND AS SPECIFIED IN SECTION 31.00.00 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.
 2. UNLESS OTHERWISE NOTED, ALL DRAIN MANHOLES SHALL BE 4' DIAMETER.
 3. ALL RIM ELEVATIONS SHALL BE FLUSH WITH FINISH GRADE.
 4. 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.
 5. DUMPSTER PADS SHALL SLOPE AT A MINIMUM 2% INTO THE PAVED AREA.
 6. ALL CATCH BASINS SHALL BE SET FLUSH AGAINST THE GRANITE CURBING.
 7. EROSION CONTROL FABRIC SHALL BE USED FOR ALL SLOPES 3:1 OR STEEPER PER 32.91.19 SEEDING.
 8. REFER TO EXISTING CONDITIONS PLAN FOR BENCHMARK LOCATIONS.
 9. REFER TO UTILITY PLAN FOR PROPOSED UTILITY LOCATIONS AND COORDINATE ACCORDINGLY WITH ALL GRADING AND DRAINAGE WORK.
 10. UNLESS NOTED AS TOP OF CURB (TOC), ALL SPOT ELEVATIONS ARE SHOWN AS THE BOTTOM OF CURB OR BOTTOM OF WALL ELEVATION. TOP OF CURB ELEVATIONS ARE 6" HIGHER THAN BOTTOM OF CURB.
 11. GRASSED AREAS ADJOINING THE BUILDING SHALL SLOPE AWAY FROM THE BUILDING AT A 1% MINIMUM SLOPE.



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No.	Date	Description

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Scale: AS NOTED

Date: 10-03-2025
Drawn By: CTP
Reviewed By: AP
Approved By: AP

W&S Project No.: ENG24 - 1552
W&S File No.: -

Drawing Title:
**GRADING &
DRAINAGE
PLAN**

Sheet Number:

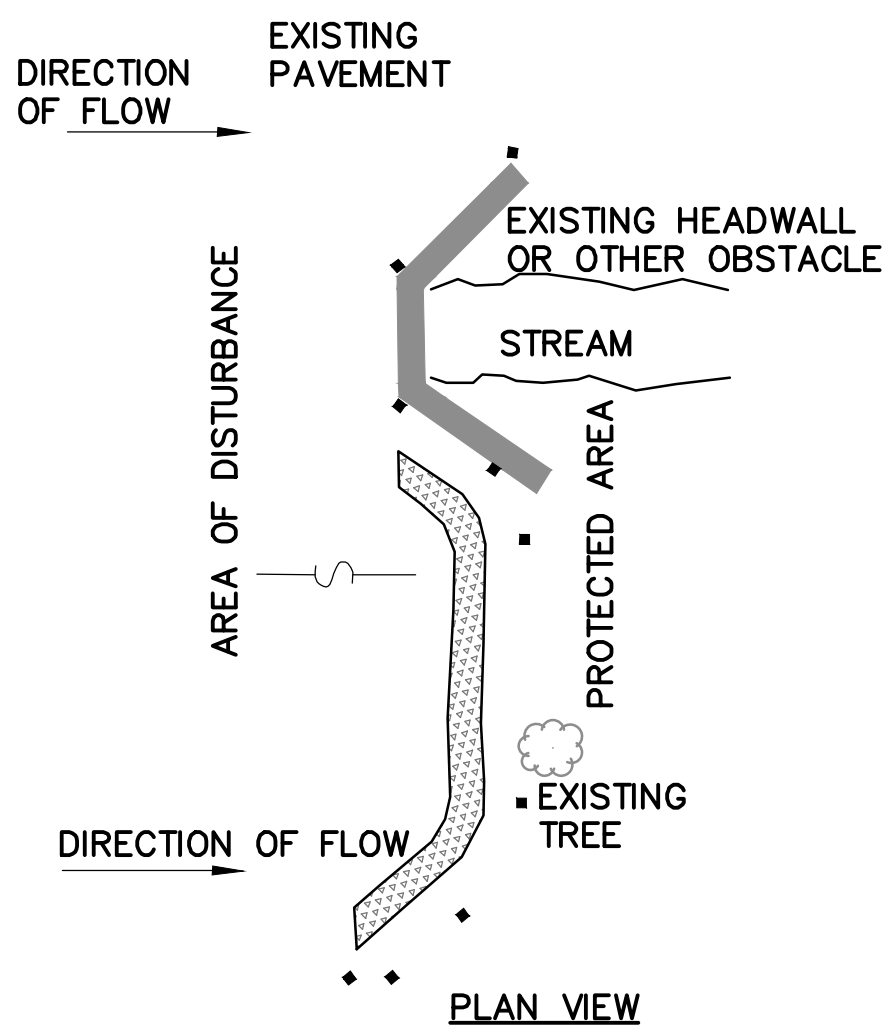
C401



1. THE G.C. IS RESPONSIBLE FOR EXCAVATION AND BACKFILL FOR ALL UNDERGROUND UTILITIES WITHIN THE BUILDING. COORDINATE LOCATIONS, ROUTING, DEPTH, ETC. WITH EACH SUBCONTRACTOR.
2. THE G.C. SHALL COORDINATE BOLLARD LOCATIONS FOR ELECTRICAL TRANSFORMER WITH UTILITY COMPANY PRIOR TO INSTALLATION.
3. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROPRIATE MANNER ONLY AND HAVE NOT BEEN COMPLETELY 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 NECESSARY TO EXISTING UTILITIES TO AVOID 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.
4. 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.
5. THE G.C. IS RESPONSIBLE FOR ADJUSTING HORIZONTAL AND VERTICAL ALIGNMENT OF PROPOSED UTILITIES AS REQUIRED TO COMPLETE THE PROPOSED DRAINAGE AND SEWER WORK.
6. THE G.C. SHALL PROVIDE ALL NECESSARY FITTINGS TO ACHIEVE WATER SERVICE LAYOUT AS SHOWN ON THE DRAWINGS.
7. THE G.C. IS RESPONSIBLE FOR PROVIDING PROPER TRANSITION MATERIAL AND FITTINGS TO PROVIDE A TIGHT TRANSITION FROM DISSIMILAR PIPE MATERIALS FROM PLUMBING & FIRE PROTECTION WORK TO G.C. WORK.
8. THE G.C. SHALL BE RESPONSIBLE FOR THE EXCAVATION, SAND PIPE BEDDING, AND BACKFILL OF THE GAS LINE. THIS 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.
9. THE G.C. IS RESPONSIBLE FOR EXCAVATION, BACKFILL, CONCRETE ENCASEMENT, AND REINFORCEMENT FOR ALL UNDERGROUND CONDENSATE DUCTBANKS, HANDHOLES, PLUMBING, AND FIRE PROTECTION WORK. COORDINATE LIMITS OF WORK WITH F.P., E. AND TC DRAWINGS FOR WORK NOT SHOWN ON THIS DRAWING.

Consultants:

C501



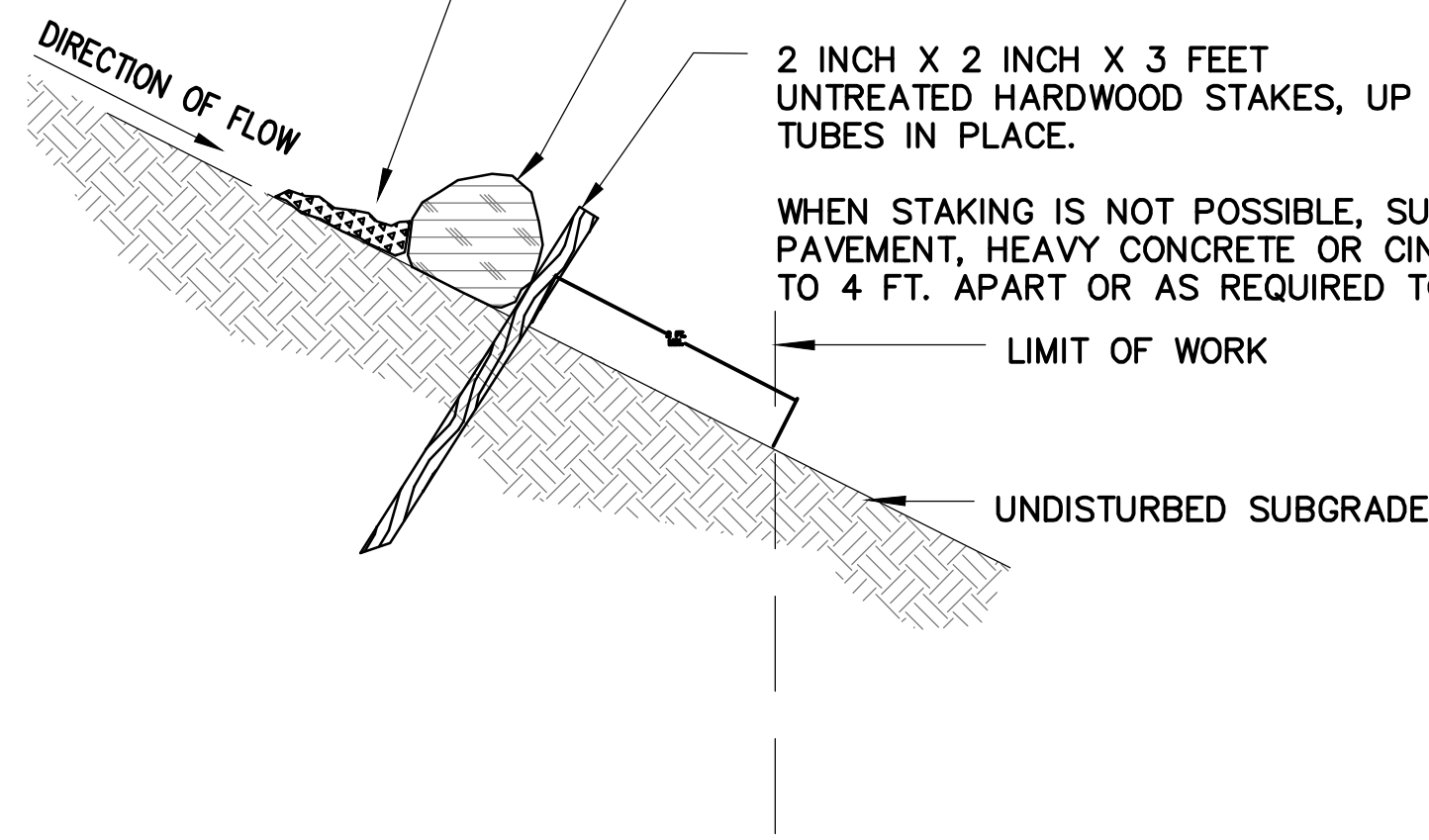
PLACING TUBES AGAINST THE UPHILL SIDE OF WELL- ANCHORED, STATIONARY FEATURES SUCH AS EXISTING TREES CAN PROVIDE ADDITIONAL BRACING.

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

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, 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.



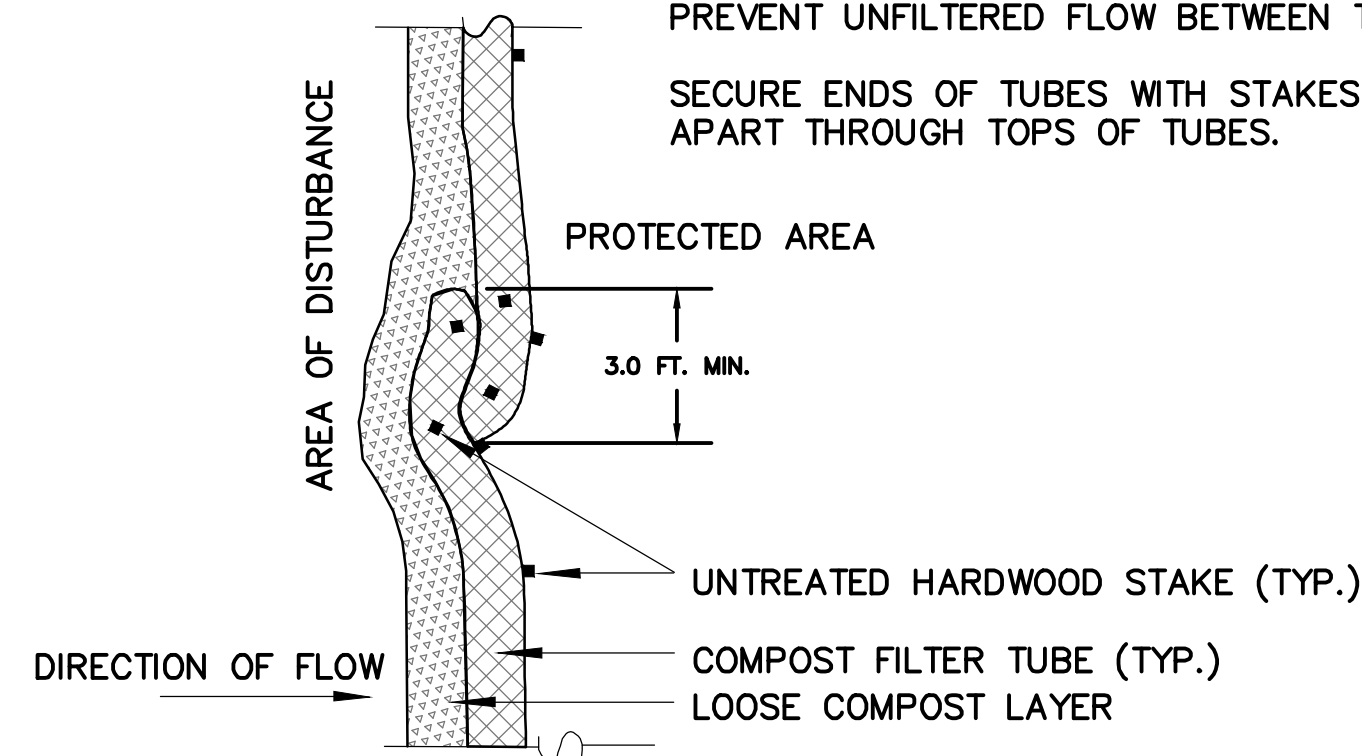
COMPOST FILTER TUBE MINIMUM 12 INCHES IN DIAMETER WITH AN EFFECTIVE HEIGHT OF 9.5 INCHES. TUBES FOR COMPOST FILTERS SHALL BE JUTE MESH OR APPROVED BIODEGRADABLE MATERIAL. ADDITIONAL TUBES SHALL BE USED AT THE DIRECTION OF THE ENGINEER.

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 4 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.

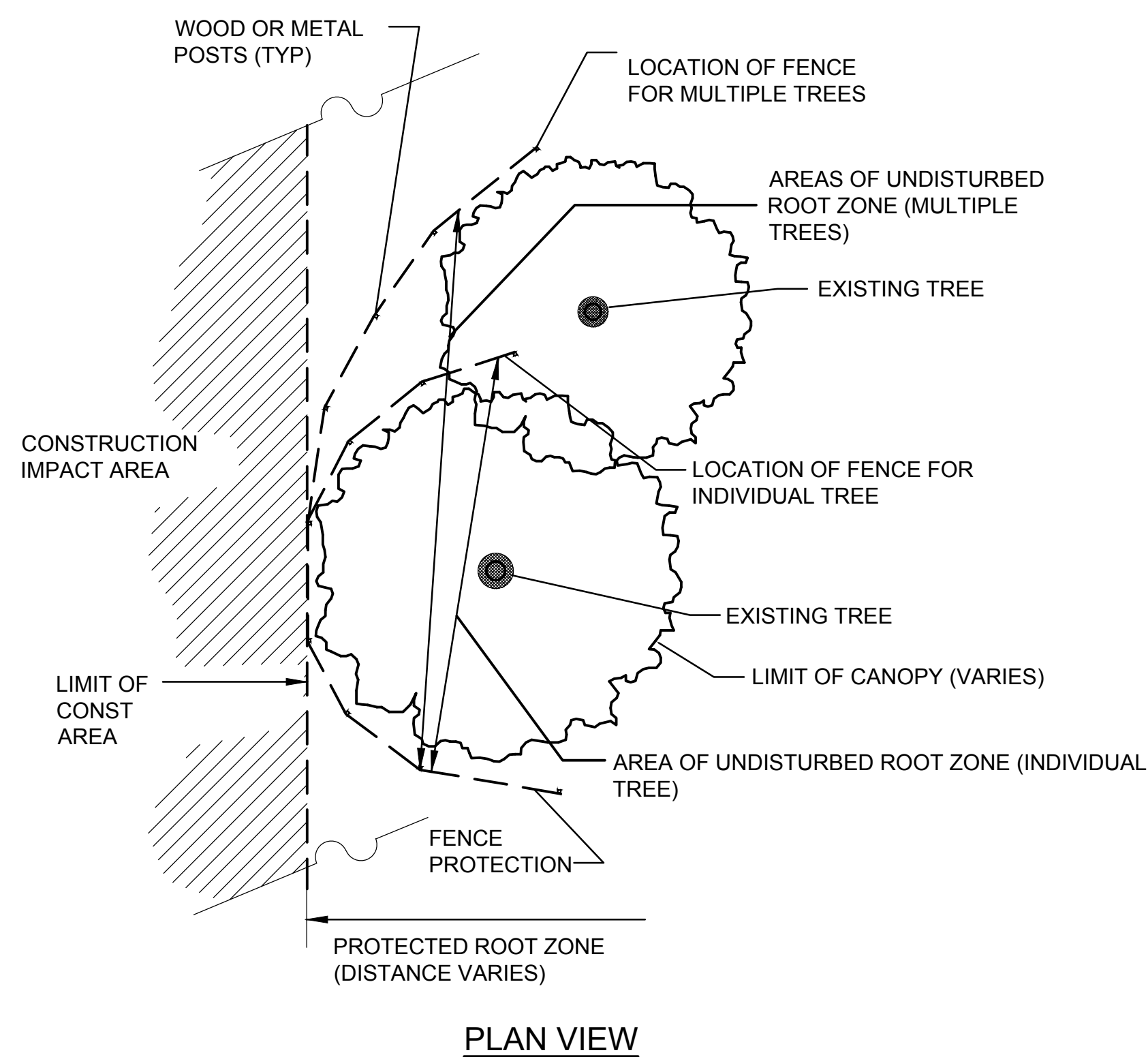
SECURE ENDS OF TUBES WITH STAKES SPACED 18 IN. APART THROUGH TOPS OF TUBES.



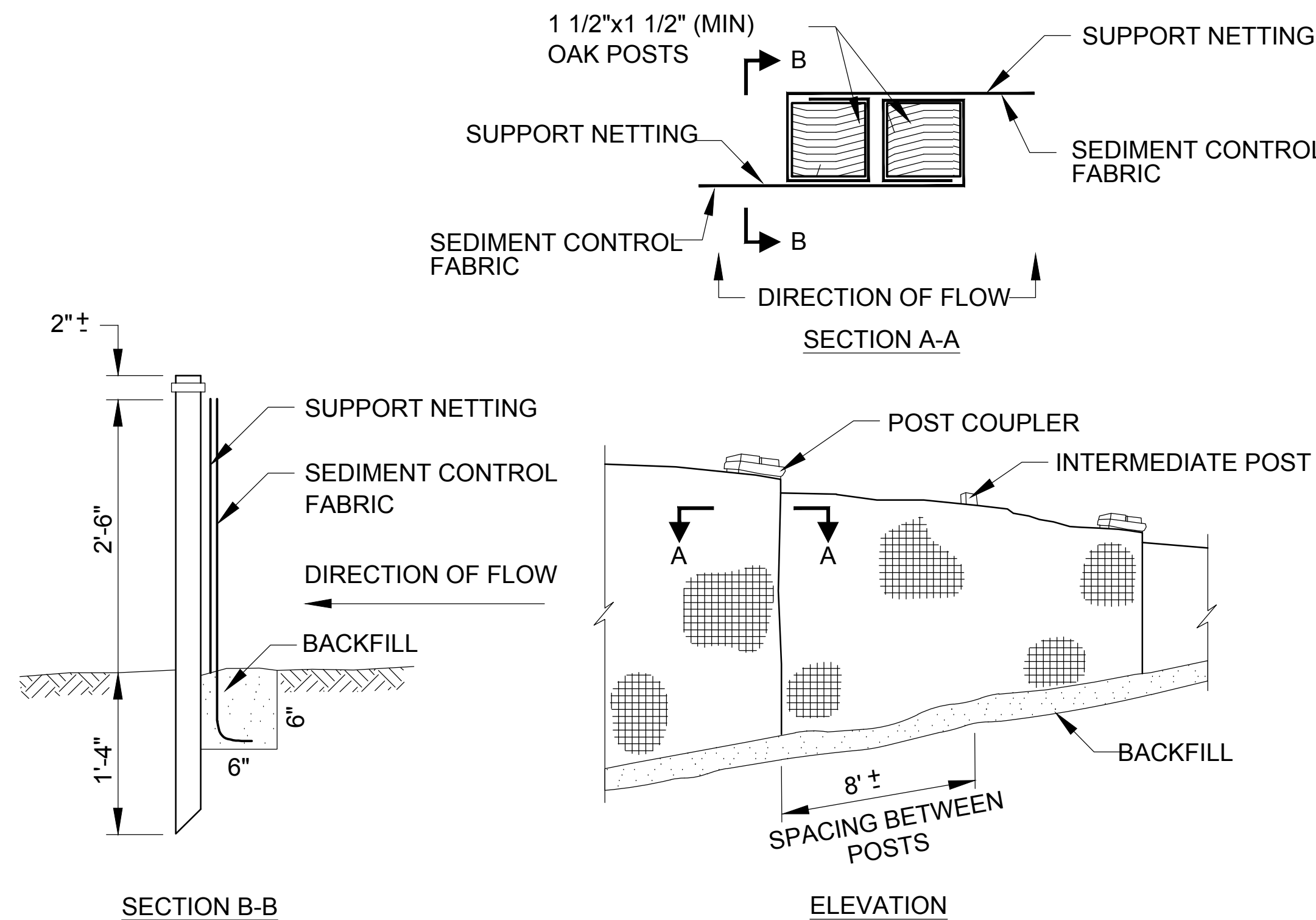
PLAN VIEW - JOINING DETAIL

1 EROSION CONTROL MEASURE: SINGLE COMPOST FILTER TUBE DETAIL

SCALE: N.T.S.



PLAN VIEW

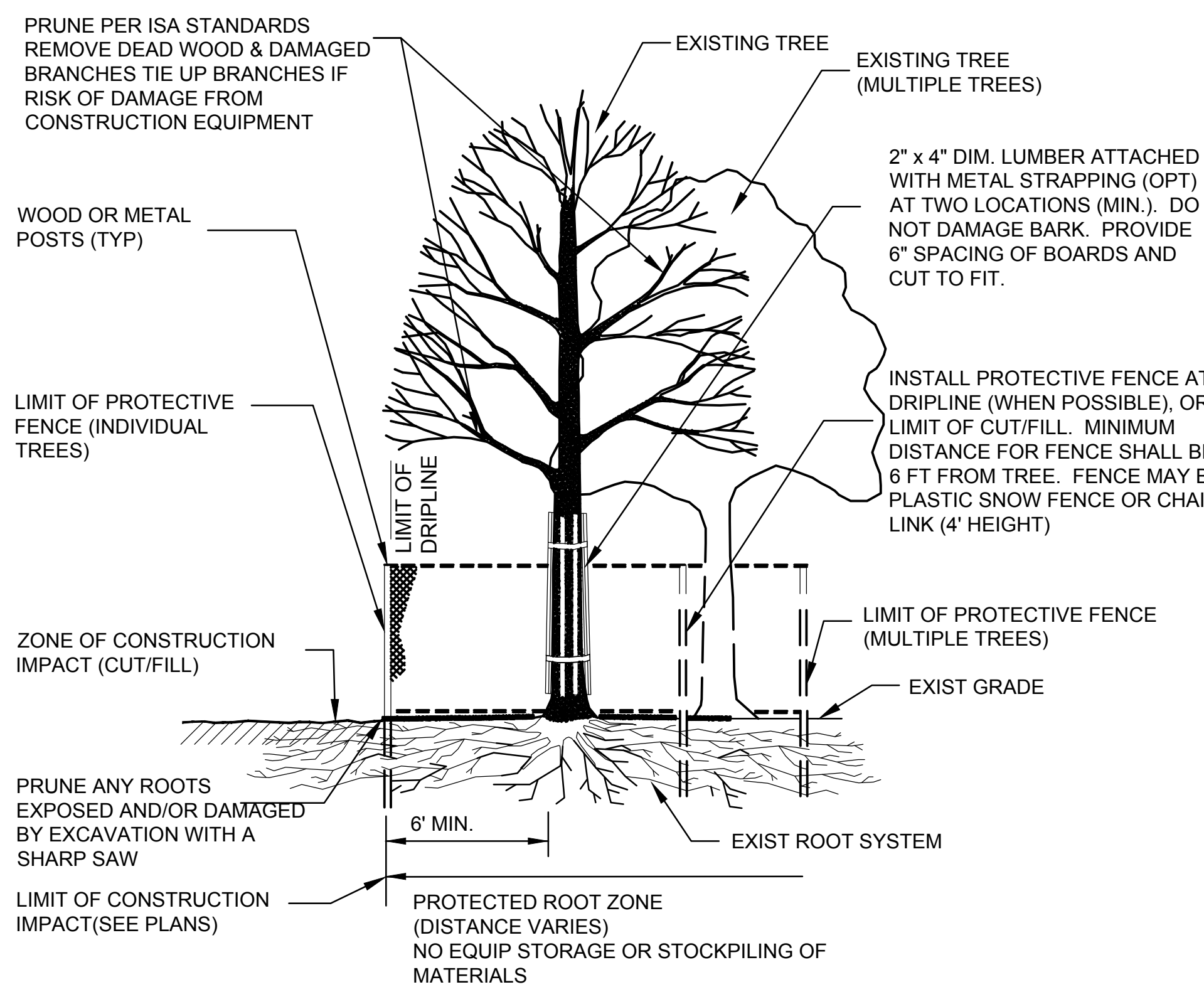


SECTION B-B

ELEVATION

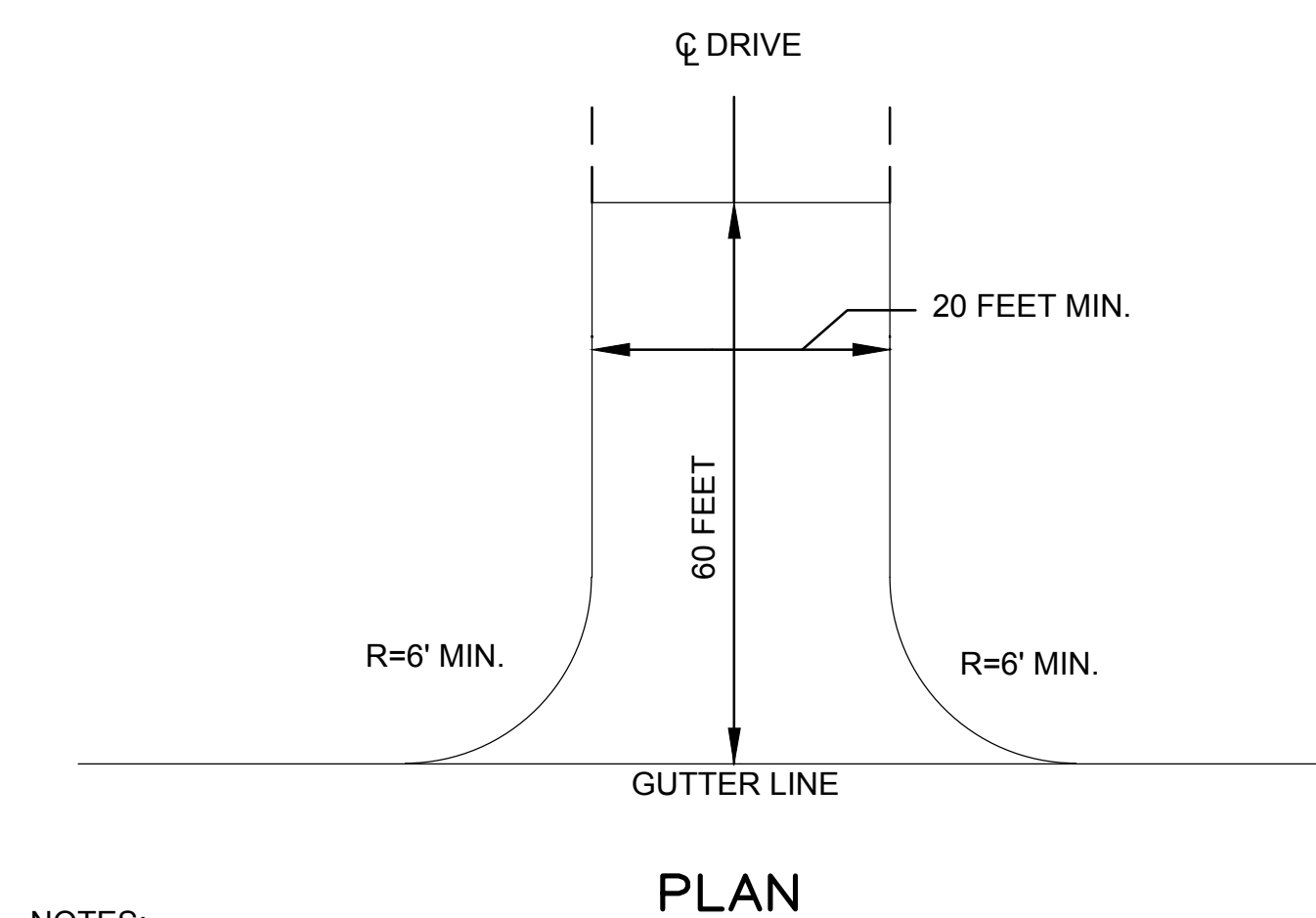
2 SILT FENCE DETAIL

SCALE: N.T.S.



4 EXISTING TREE PROTECTION

SCALE: N.T.S.



PLAN

NOTES:

1. AT LEAST ONE CONSTRUCTION ENTRANCE SHALL BE PLACED AT EACH ENTRANCE TO THE SITE, THROUGHOUT CONSTRUCTION ACTIVITIES.
2. THE LOCATION OF THE CONSTRUCTION ENTRANCE(S) SHALL BE APPROVED BY THE OWNER PRIOR TO PLACEMENT.
3. CONSTRUCTION ENTRANCE(S) SHALL CONSIST OF 2" CRUSHED STONE PLACED AT A DEPTH OF A MINIMUM 8 INCHES PLACED OVER GEOTEXTILE FABRIC.
4. CONTRACTOR IS RESPONSIBLE FOR DAILY INSPECTION AND ALL NECESSARY MAINTENANCE OF ALL ENTRANCES.
5. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF SEDIMENTS OR ANY OTHER MATERIALS TRACKED ONTO THE STREET, AS WELL MAINTENANCE OF EROSION CONTROL MEASURES.

5 STABILIZED TEMPORARY CONSTRUCTION ENTRANCE

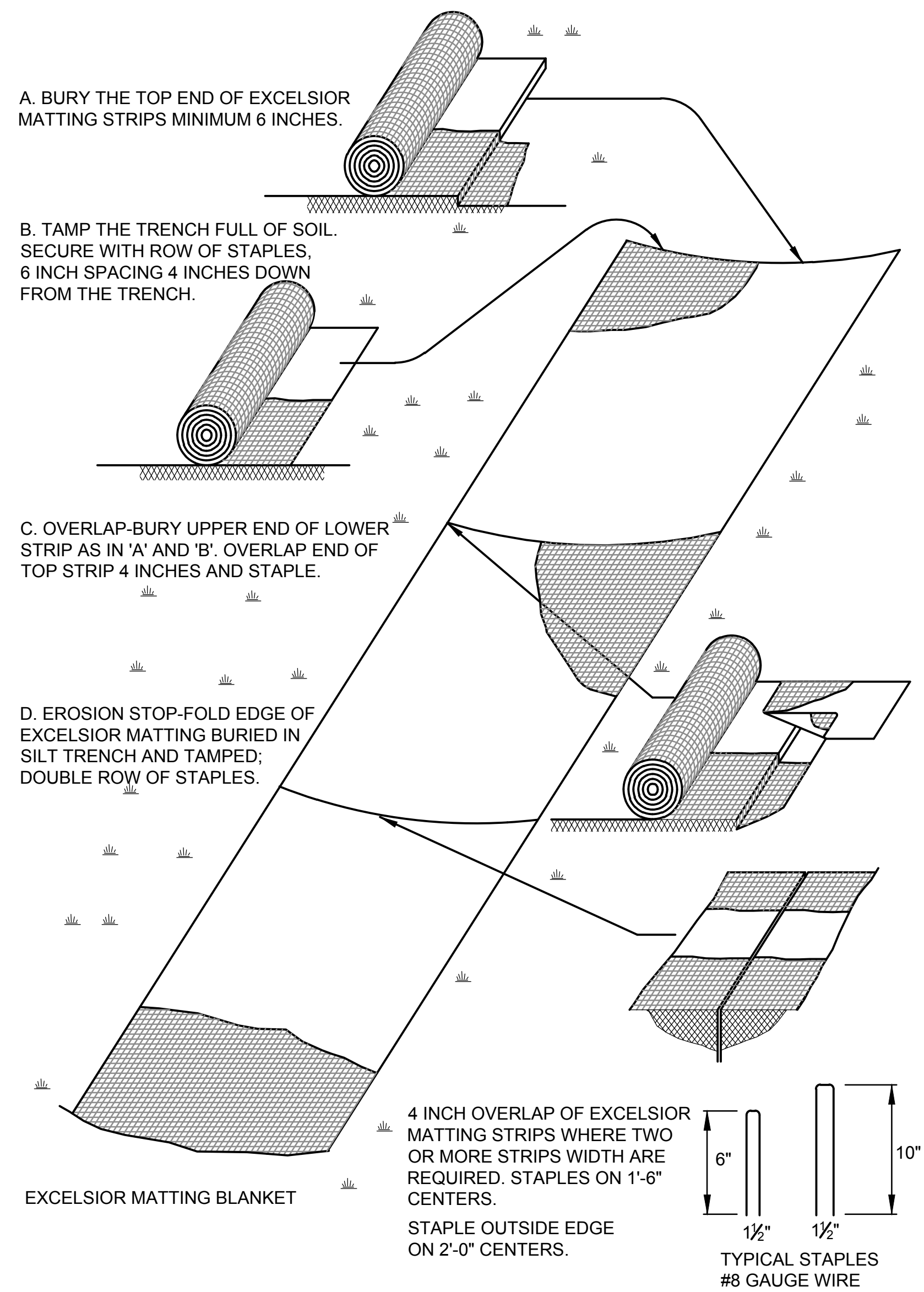
SCALE: N.T.S.

1. EROSION CONTROL MEASURES SHALL BE INCORPORATED IN THE SEQUENCE OF CONSTRUCTION TO PREVENT SEDIMENT LADEN WATER FROM LEAVING THE SITE.
2. AREAS SUBJECT TO EROSION SHALL BE MINIMIZED IN TERMS OF TIME AND AREA.
3. IN GENERAL, WORK REQUIRING EROSION CONTROL INCLUDES EXCAVATIONS, FILLS, DRAINAGE, SWALES AND DITCHES, ROUGH AND FINISH GRADING, AND STOCKPILING OF EARTH.
4. DO NOT DISTURB VEGETATION AND TOPSOIL BEYOND THE PROPOSED LIMIT OF SILT FENCE ACTIVITIES.
5. TEMPORARY SILT CONTROLS SHALL BE PLACED AS SHOWN ON THE PLAN. PERMANENTLY STABILIZE EACH COMPLETED SEGMENT OF CONSTRUCTION.
6. THE CONTRACTOR SHALL REMOVE TEMPORARY SILT CONTROLS AND ALL ACCUMULATED SILT AND DEBRIS AFTER COMPLETION OF CONSTRUCTION OPERATIONS.
7. SILT CONTROLS SHALL BE IN PLACE AT ALL TIMES DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF ALL SILT AND DEBRIS FROM EACH DRAINAGE STRUCTURE UPON COMPLETION OF THE PROJECT.
9. OBJECTS AND/OR AREAS DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION.
10. ALL DISTURBED AREAS SHALL BE RESTORED TO EXISTING GRADE. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE AS NEEDED.
11. SILT CONTROLS SHALL BE REMOVED UPON THE SATISFACTORY COMPLETION OF ALL WORK SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
12. SITE PERIMETER SHALL HAVE COMPOST FILTER TUBES INSTALLED AS SHOWN ON C201.

3 EROSION CONTROL BLANKET

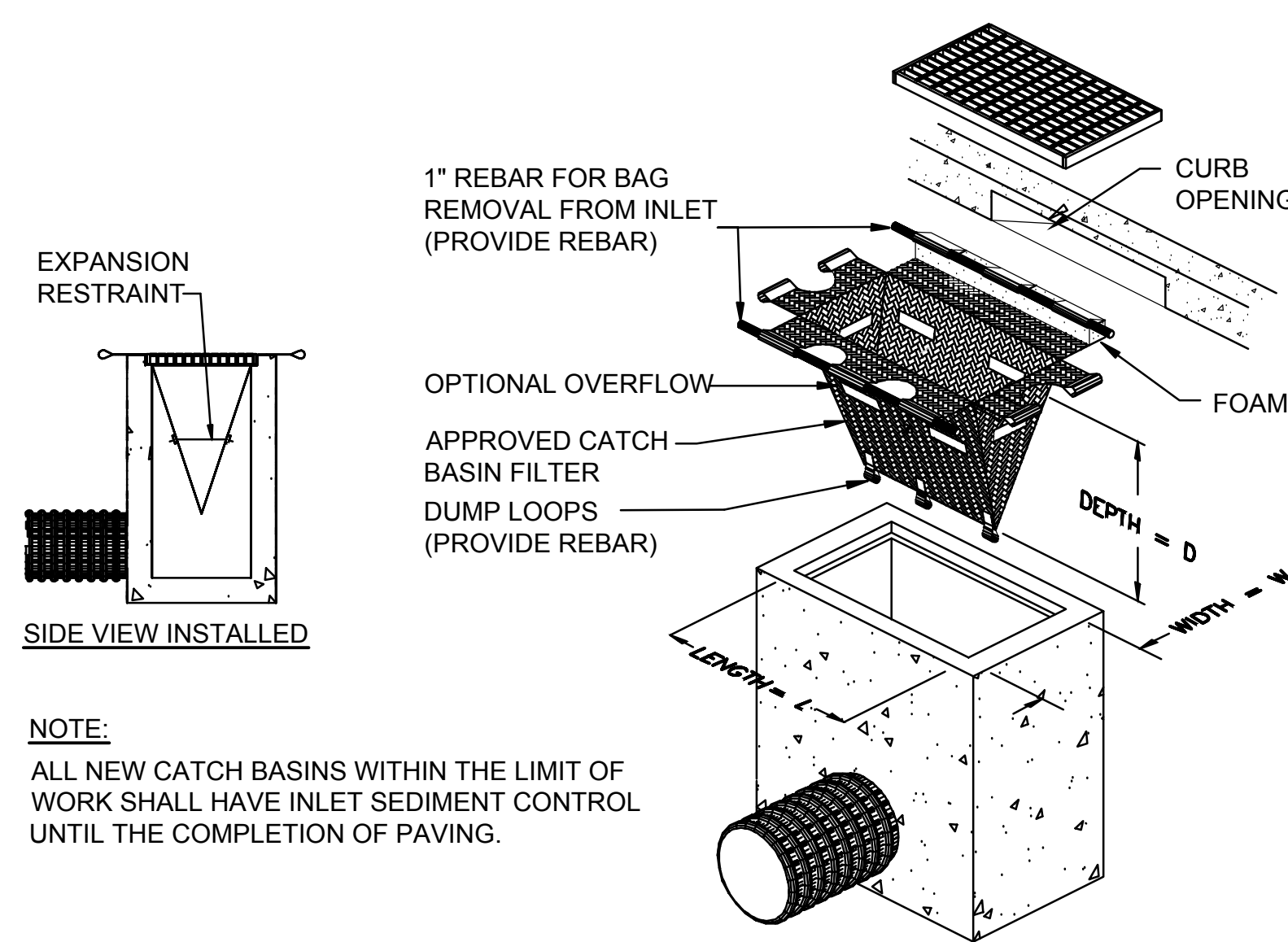
SCALE: N.T.S.

NOTE:
JUTE NETTING TO BE USED ON ALL SLOPES GREATER THAN 4H:1V AS INDICATED ON GRADING PLANS



6 INLET SEDIMENT CONTROL

SCALE: N.T.S.



NOTE:
ALL NEW CATCH BASINS WITHIN THE LIMIT OF WORK SHALL HAVE INLET SEDIMENT CONTROL UNTIL THE COMPLETION OF PAVING.

Project: TOWN OF TRURO, MA
NEW DEPARTMENT OF PUBLIC
WORKS FACILITY



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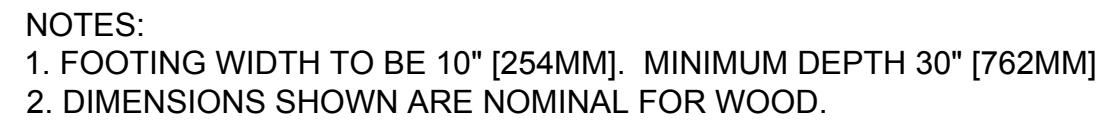
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Drawing Title:

SITE DETAILS I

Sheet Number:

C601

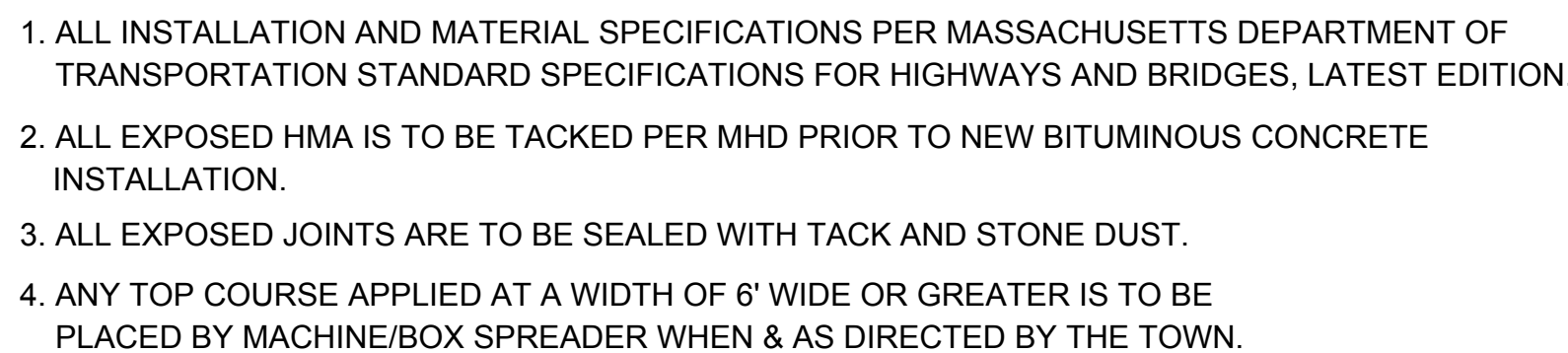


1 WOOD STOCKADE DETAIL
SCALE: N.T.S.



1. PRECAST BLOCKS SHALL BE INTERLOCKING AT ALL INTERSECTING WALLS.
2. PAINTING CONTRACTOR SHALL PAINT A 4" MARKER AT 6' ABOVE FINISHED GRADE ALONG THE INTERIOR PERIMETER OF EACH BULK MATERIAL STORAGE BIN.
3. CONTRACTOR SHALL PROVIDE A SIGN IN ACCORDANCE WITH MASSDOT STANDARD SPECIFICATION SECTION 828. THE SIGN SHALL BE 8 INCHES TALL AND HAVE LETTERING SIMILAR TO STREET NAME SIGN TYPE D3, AS DESCRIBED IN THE MUTCD (LATEST EDITION). THE SIGN SHALL STATE "MAXIMUM FILL HEIGHT 6 FEET" FOR EACH STORAGE BIN.
4. 2"x8"x1/2" THICK GALVANIZED STEEL PLATE BOLTED TO EACH BLOCK AT VERTICAL JOINT. (TYPE PLATE PROVIDED AND INSTALLED BY B.C.O. PROVIDE PRE-DRILLED HOLES FOR BOLTS).
5. THE CONTRACTOR SHALL SUBMIT WALL DESIGN DRAWN BY A MASSACHUSETTS REGISTERED PROFESSIONAL ENGINEER. THE SUBMITTAL MUST BE APPROVED BY THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.

4 PRECAST CONCRETE BLOCK STORAGE BIN WALL DETAIL
SCALE: N.T.S.



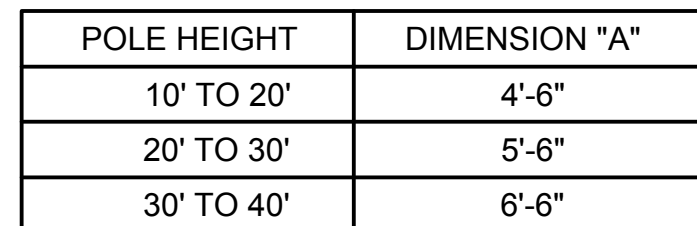
7 TYPICAL TRENCH REPAIR & PAVEMENT SECTION DETAIL
SCALE: N.T.S.



	<u>TOP (A)</u>	<u>BINDER (B)</u>	<u>BASE COURSE (C)</u>
HEAVY DUTY	2.0"	3.0"	16"

5 TYPICAL PAVEMENT SECTION DETAIL
SCALE: N.T.S.

- NOTES:
1. CONTRACTOR TO PROVIDE SMOOTH TRANSITION WHERE NEW PAVEMENT ABUTS EXISTING PAVEMENT, TYP.



6 LIGHT POLE FOUNDATION DETAIL
SCALE: N.T.S.



1. PROVIDE PRE MOLDED EXPANSION JOINTS AT MIN. 30' O.C.
2. PROVIDE TOOLED DUMMY JOINTS AT 4' O.C. (MIN. 1" DEPTH)
3. BROOM FINISH PATTERN

8 CEMENT CONCRETE WALK
SCALE: N.T.S.



- NOTES:
1. REFER TO THE LANDSCAPING PLAN FOR ADDITIONAL INFORMATION AND LOCATION OF LOAM AND SEED AREAS.

Revisions:[illegible]

COA:

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Issued For:

DESIGN DEVELOPMENT
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CONSTRUCTION

scale:

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W&S File No.: -

Drawing Title

SITE DETAILS II

Sheet Number:

C602

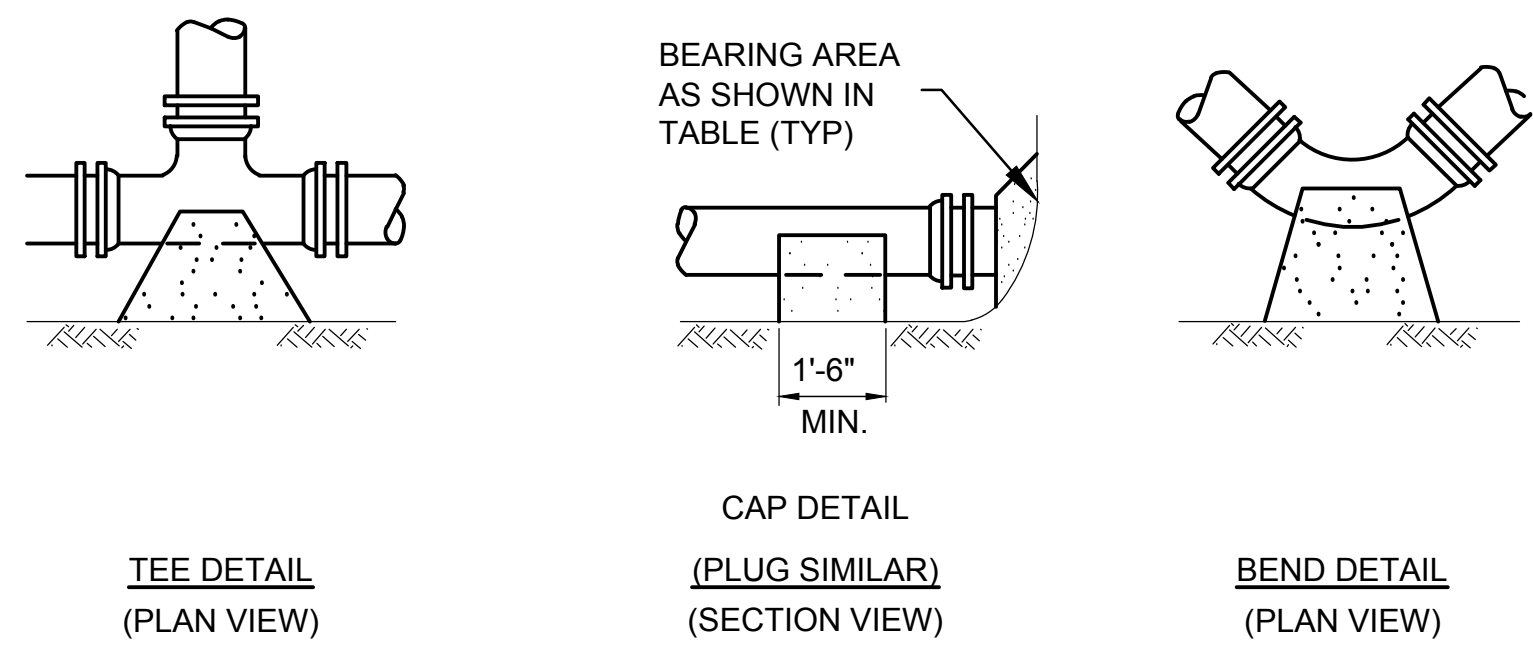
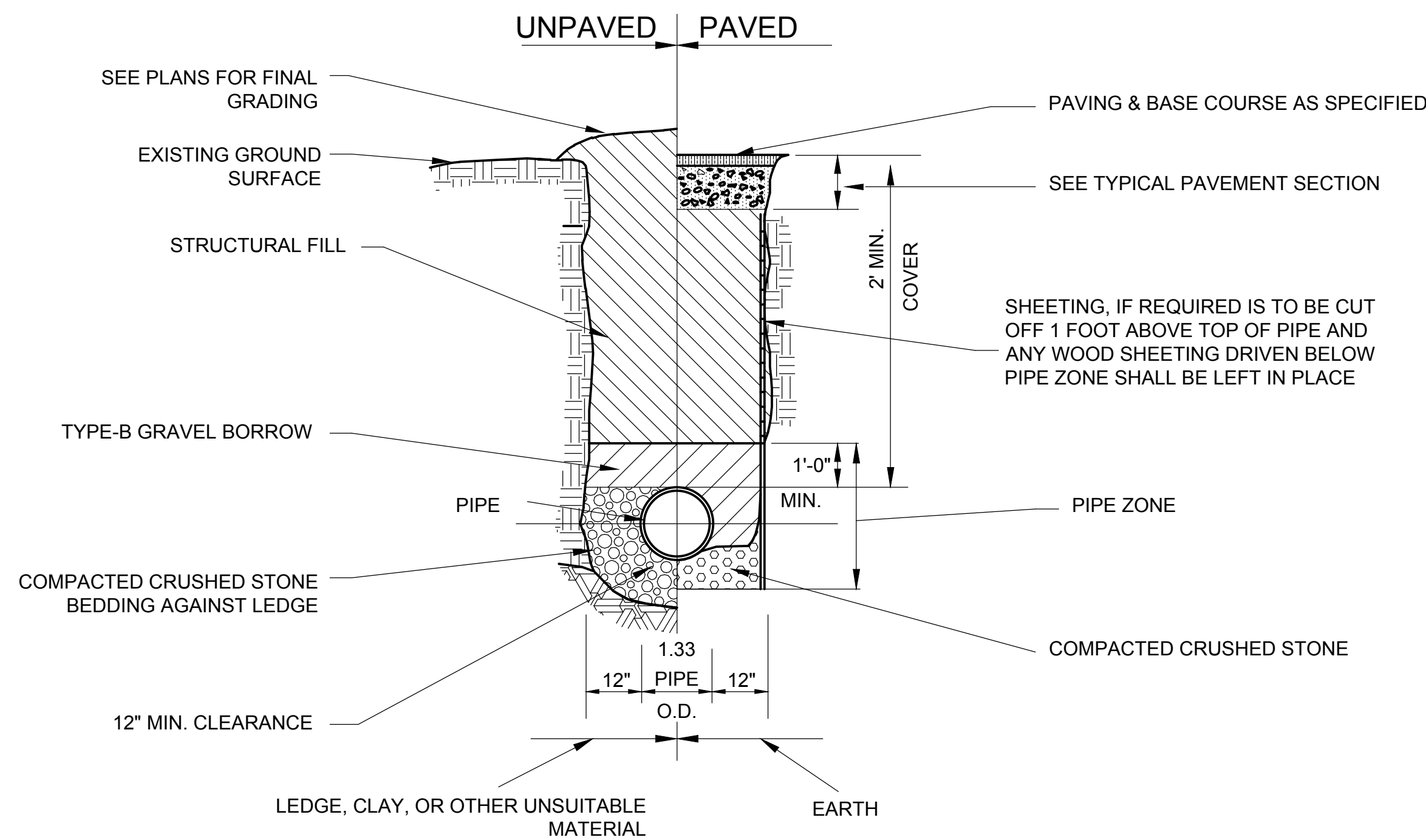


TABLE OF CONCRETE THRUST RESTRAINT MINIMUM BEARING AREAS IN SQUARE FEET AGAINST UNDISTURBED MATERIAL FOR WATER MAIN FITTINGS				
SIZE OF MAIN	90° BENDS, TEES, CAPS AND PLUGS	45° BENDS AND WYES	22-1/2° BENDS	11-1/4° BENDS
6", 8"	5	4	2	2
10", 12"	12	9	5	2
16"	20	15	8	4
20"	36	24	13	7

- NOTES:
- ALL WATER MAIN FITTINGS SHALL HAVE CONCRETE BACKING FOR
 - CONTRACTOR SHALL USE CARE TO AVOID PLACEMENT OF

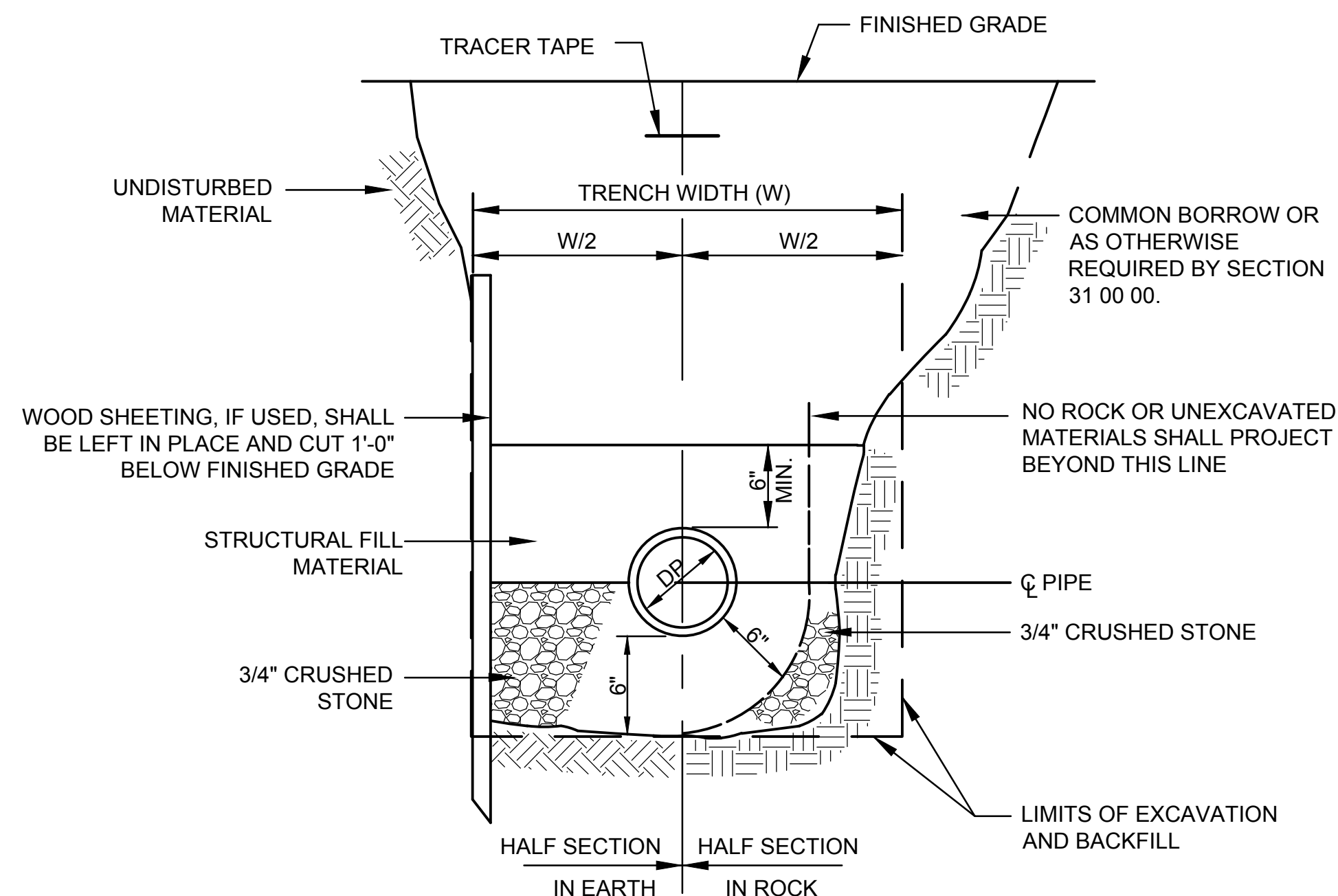
1 CONCRETE THRUST RESTRAINT FOR FITTINGS

SCALE: N.T.S.



4 TYPICAL STORM DRAIN TRENCH DETAIL

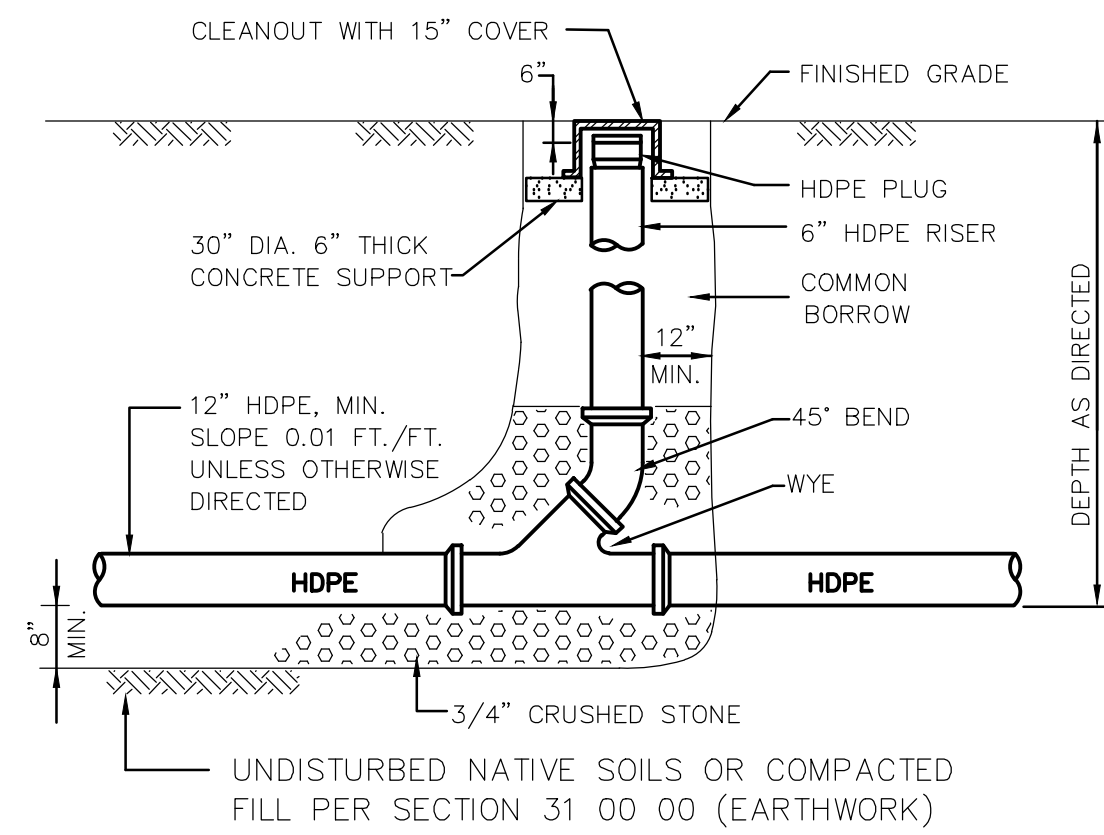
SCALE: N.T.S.



DEPTH TO INVERT	DIAMETER OF PIPE (DP)	MAX. TRENCH WIDTH BELOW LINE OF NARROW TRENCH LIMIT (SHEETED OR UNSHEETED) (W)
0'-12"	TO 4"	5'-0"

8 SEWER TRENCH DETAIL

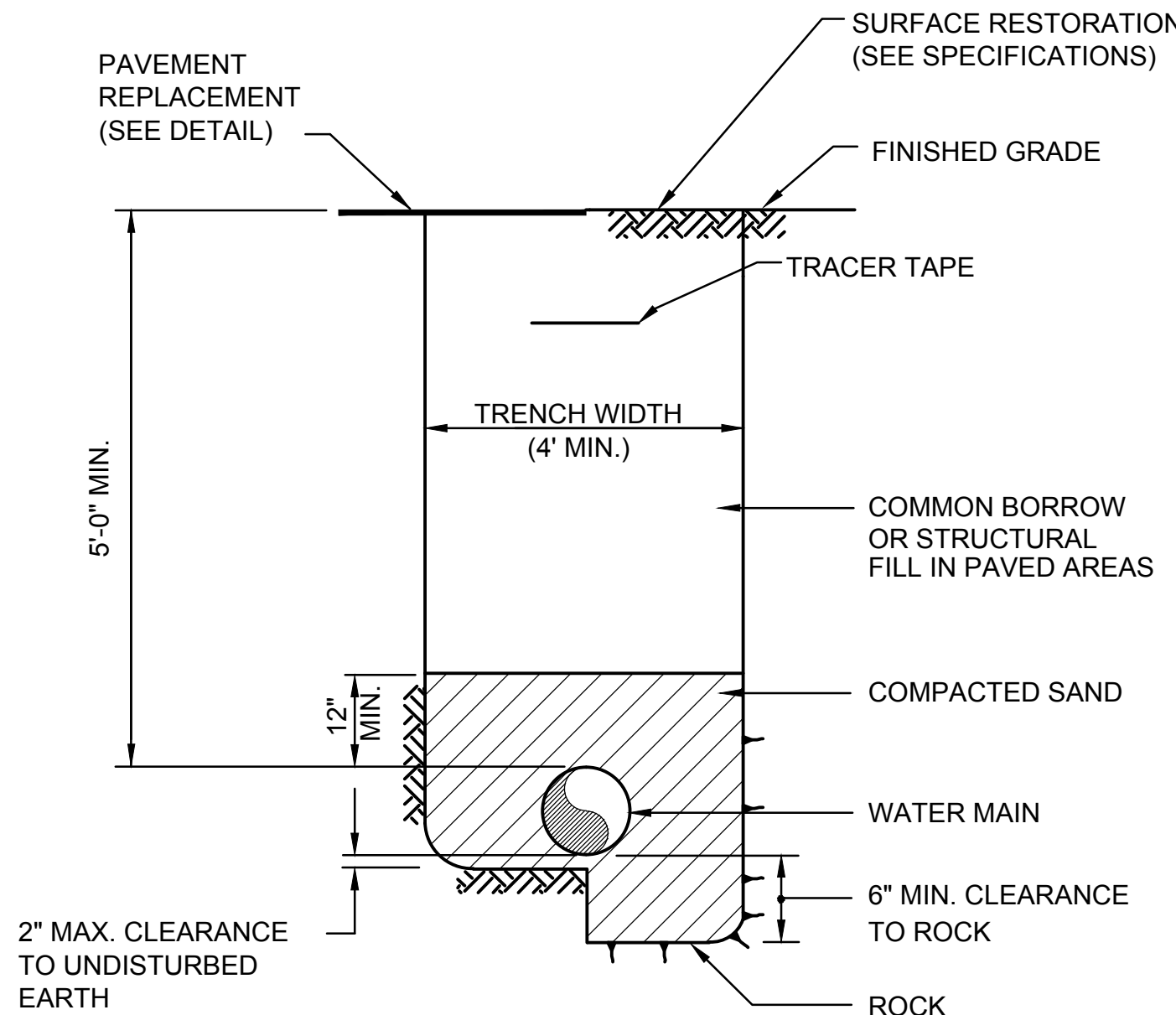
SCALE: N.T.S.



2 WYE CLEANOUT

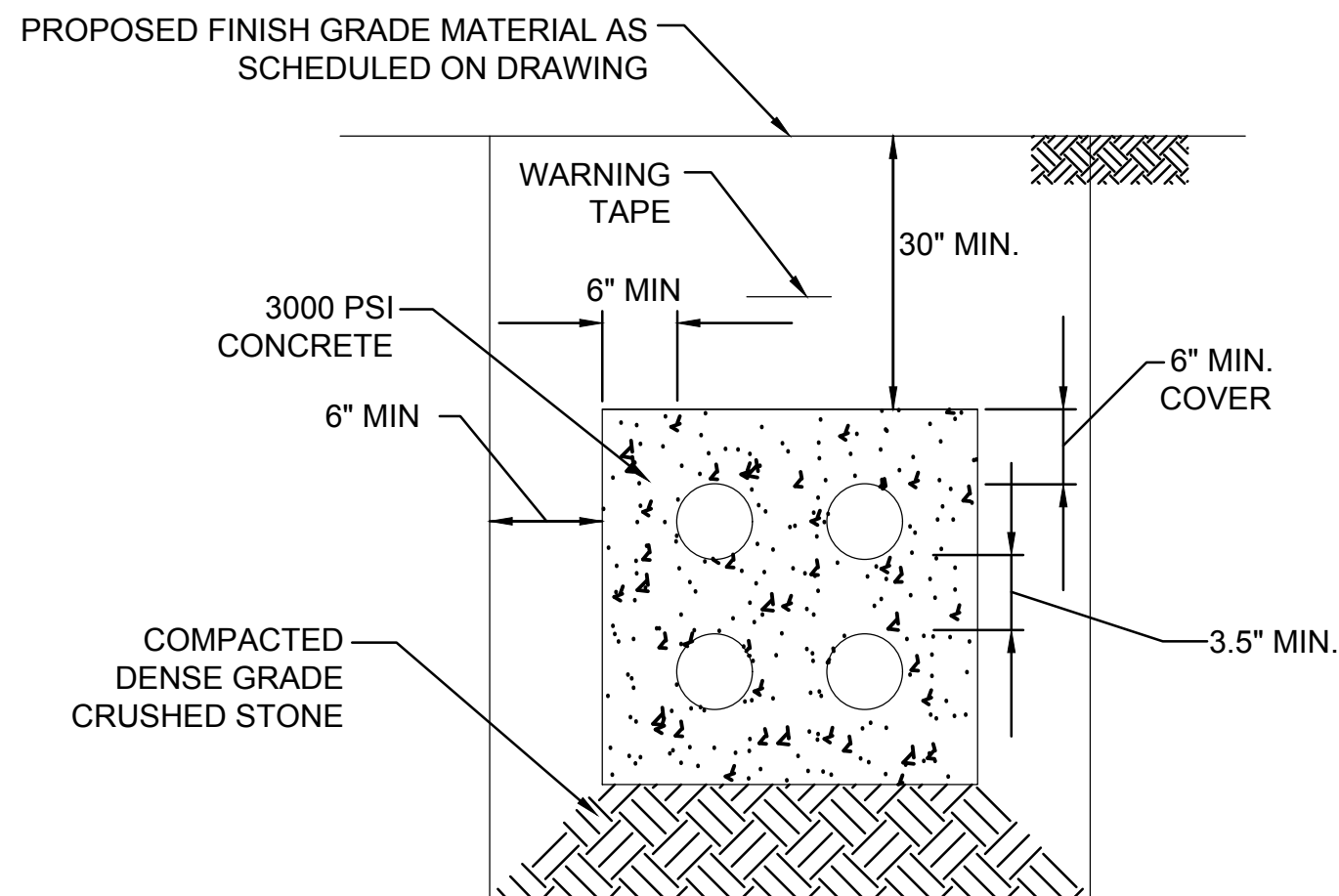
SCALE: N.T.S.

- NOTES:
- REFER TO PLAN FOR PIPE DIAMETER.
 - CLEANOUTS LOCATED IN PAVED AREAS SHALL BE H-20 WHEEL LOAD RATED



5 WATER MAIN TRENCH DETAIL

SCALE: N.T.S.

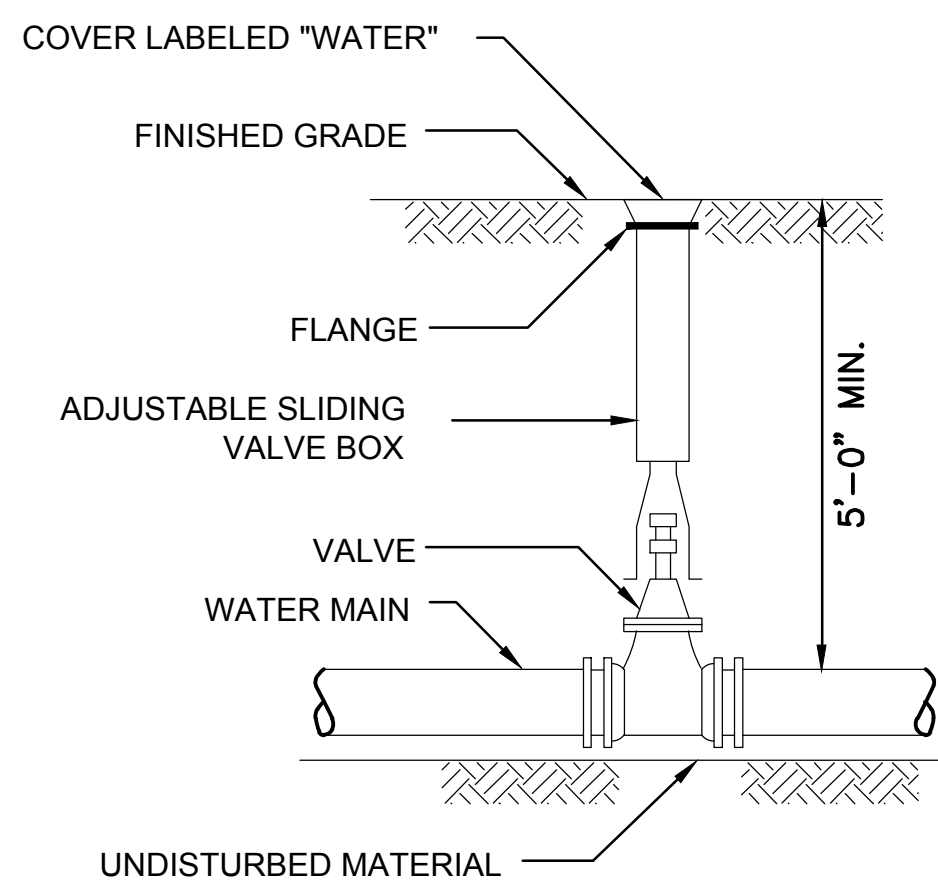


NOTES:

- G.C. IS RESPONSIBLE FOR EXCAVATION, CONCRETE ENCASEMENT, REINFORCEMENT AND BACKFILL. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING THE CONDUITS & SPACERS. SEE E-SERIES DRAWINGS FOR DUCTBANK REINFORCEMENT REQUIREMENTS.
- PROVIDE REINFORCEMENT PER LOCAL UTILITY COMPANY REQUIREMENTS.
- QUANTITY & SIZE OF CONDUITS VARY. DUCTBANK SIZE SHALL BE ADJUSTED BASED ON CONDUIT TYPES & SIZES IDENTIFIED ON THE E-SERIES DRAWINGS.
- CONTRACTOR SHALL COORDINATE DEPTH OF PROPOSED DUCTBANK WITH PROPOSED UTILITY & DRAINAGE SYSTEMS TO AVOID CONFLICTS.
- BACKFILL AROUND DUCTBANK WITH GRAVEL BORROW BACKFILL MATERIAL.

7 ELECTRIC/COMMUNICATION DUCTBANK DETAIL

SCALE: N.T.S.

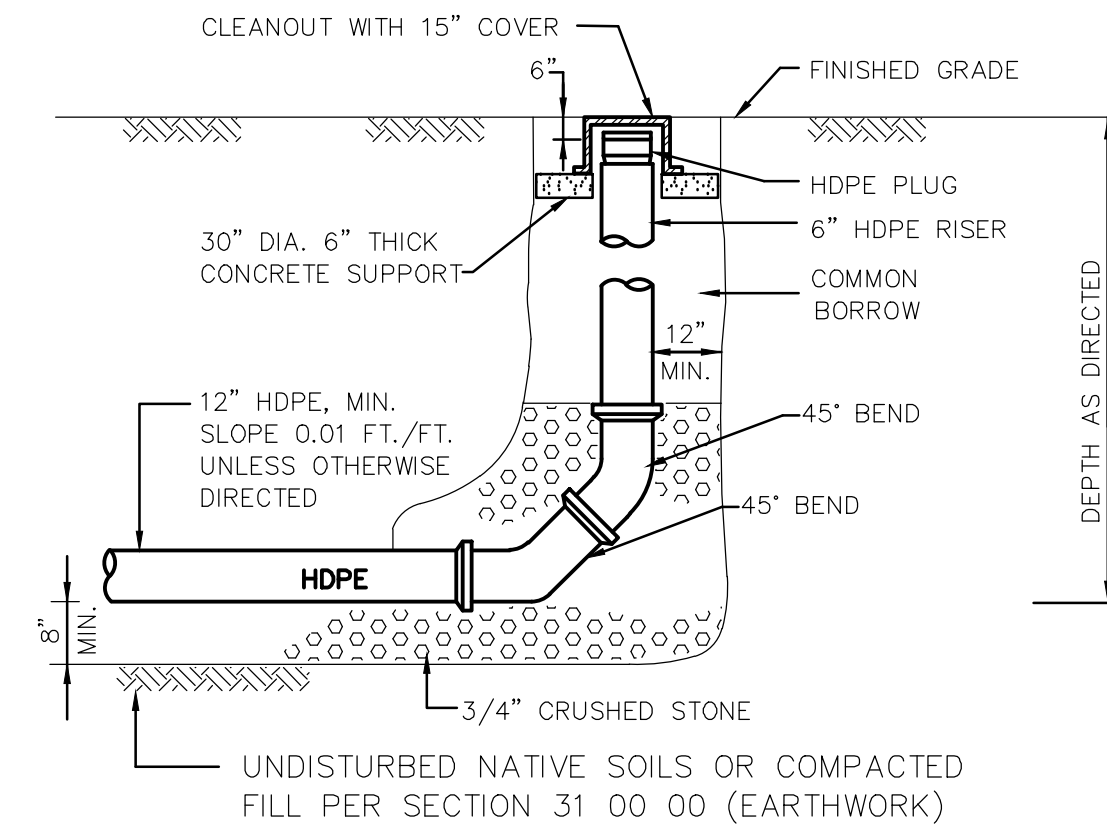


NOTES:

- GATE VALVE TO BE LOCATED WITHIN ROADWAY PAVEMENT WHERE POSSIBLE.
- PROPER SIZE VALVE BOX SHALL BE INSTALLED WHERE GATE VALVES ARE SHOWN ON PLANS.
- REINFORCED CONCRETE COLLAR REQUIRED WHEN INSTALLED IN PAVED SURFACE.

9 VALVE AND BOX DETAIL

SCALE: N.T.S.



3 END CLEANOUT

SCALE: N.T.S.

- NOTES:
- REFER TO PLAN FOR PIPE DIAMETER.
 - CLEANOUTS LOCATED IN PAVED AREAS SHALL BE H-20 WHEEL LOAD RATED

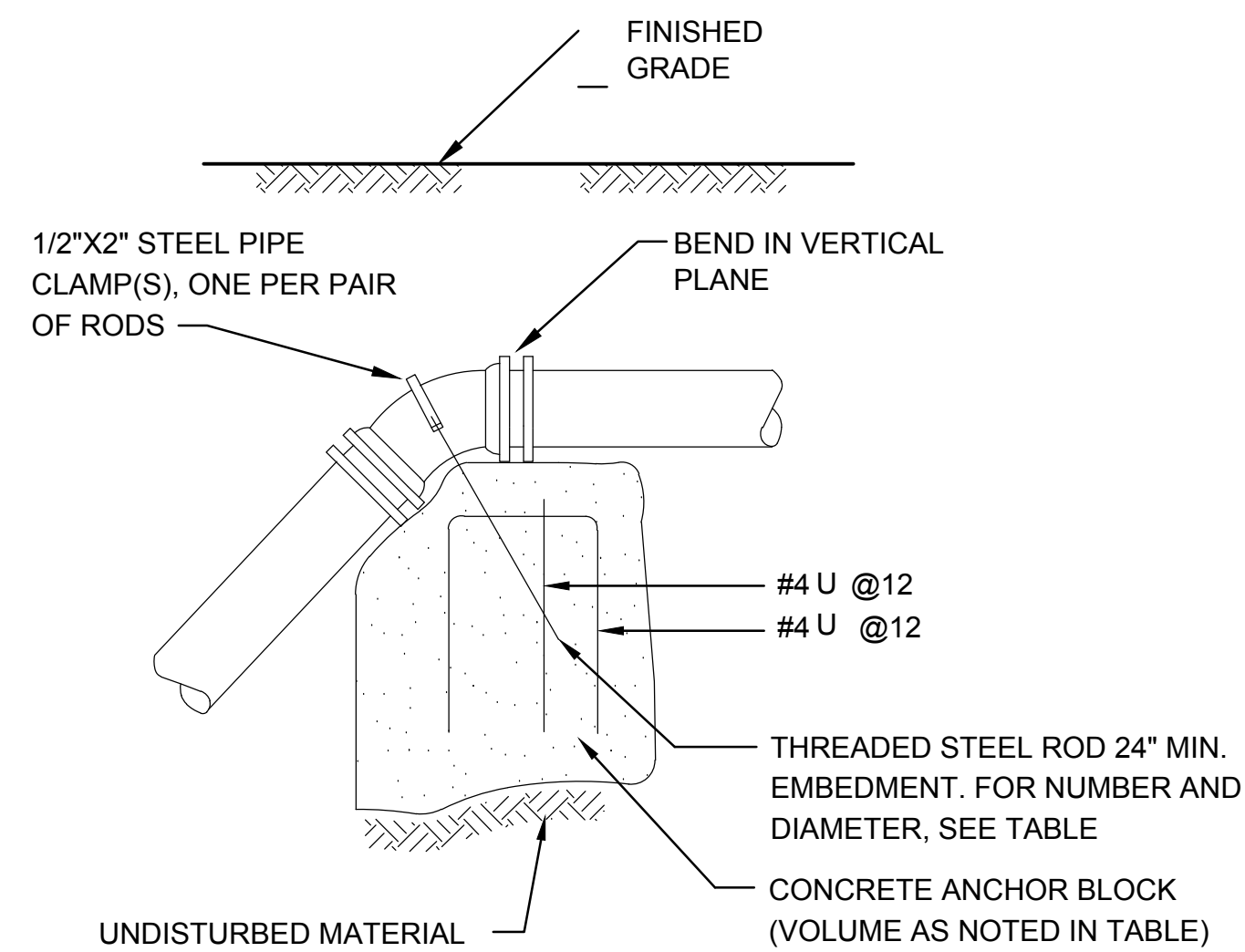
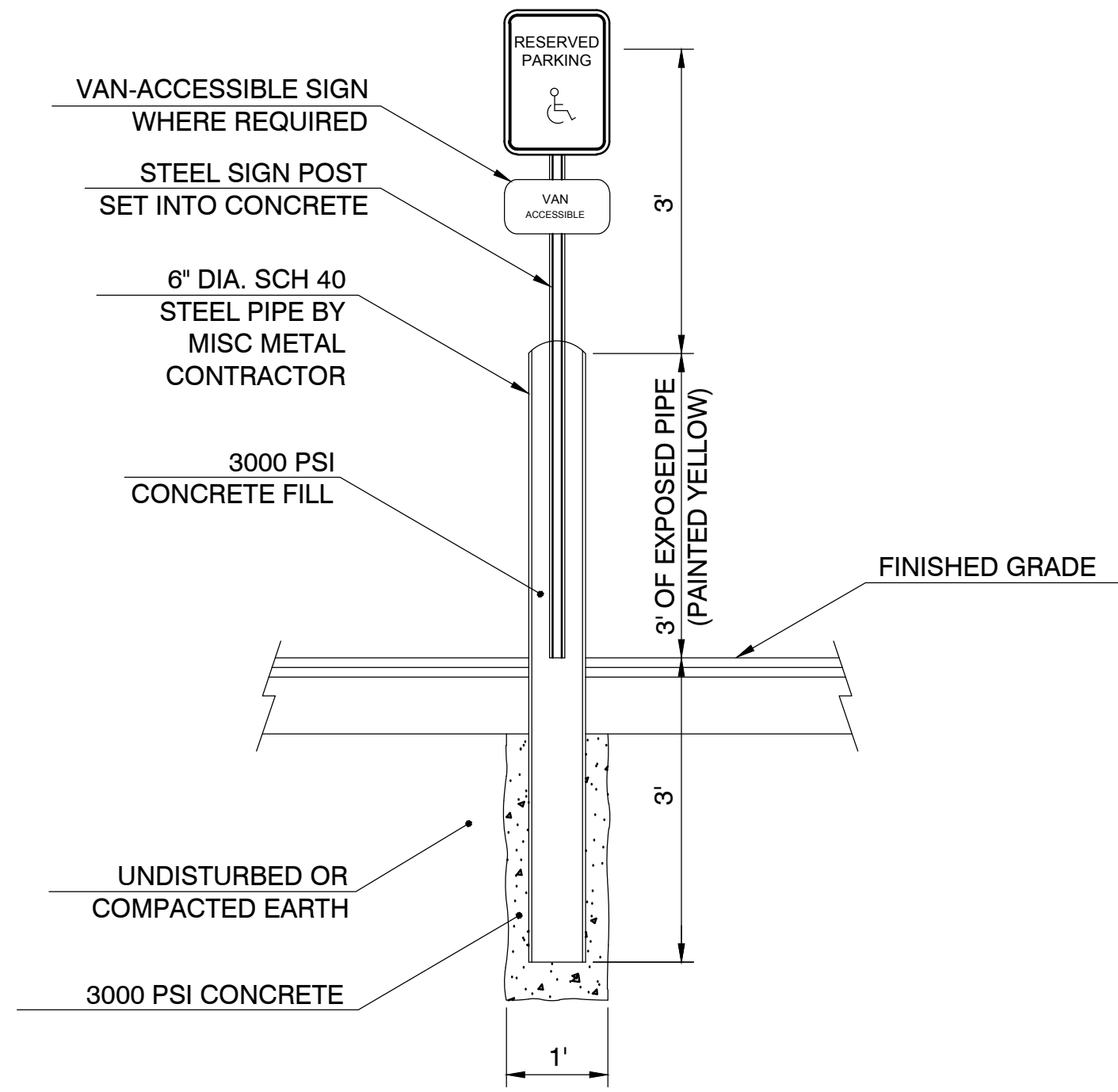


TABLE OF DIMENSIONS FOR ANCHOR BLOCKS		NO. AND SIZE OF THREADED RODS	
BEND SIZE	Volume	NO.	DIAM.
6"-22.5"	0.6 C.Y.	2	1/2"
6"-45"	1.0 C.Y.	2	1/2"
8"-22.5"	1.0 C.Y.	2	1/2"
8"-45"	1.8 C.Y.	2	3/4"
12"-22.5"	2.5 C.Y.	2	3/4"
12"-45"	4.0 C.Y.	4	3/4"

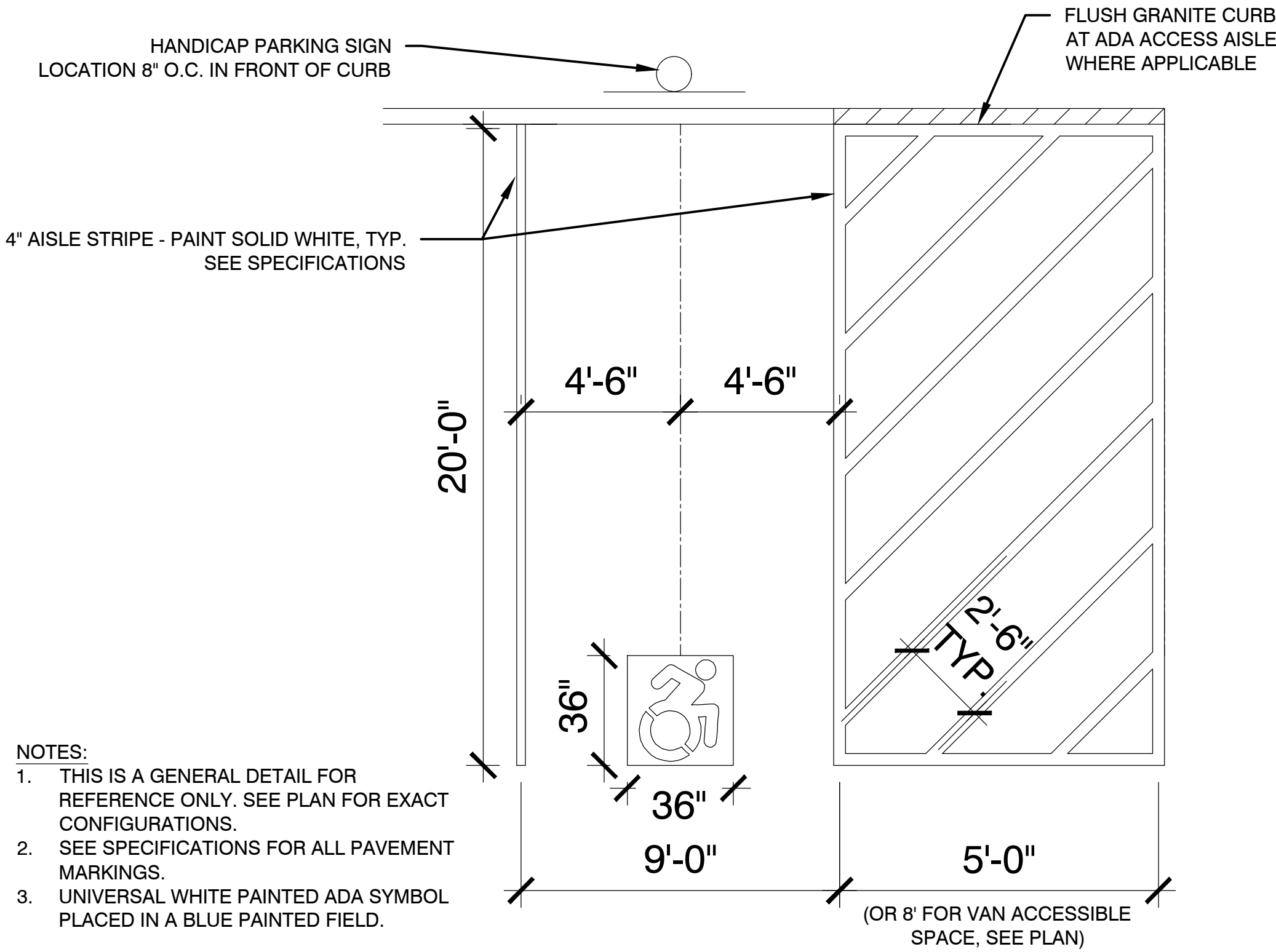
6 ANCHOR BLOCK DETAIL

SCALE: N.T.S.

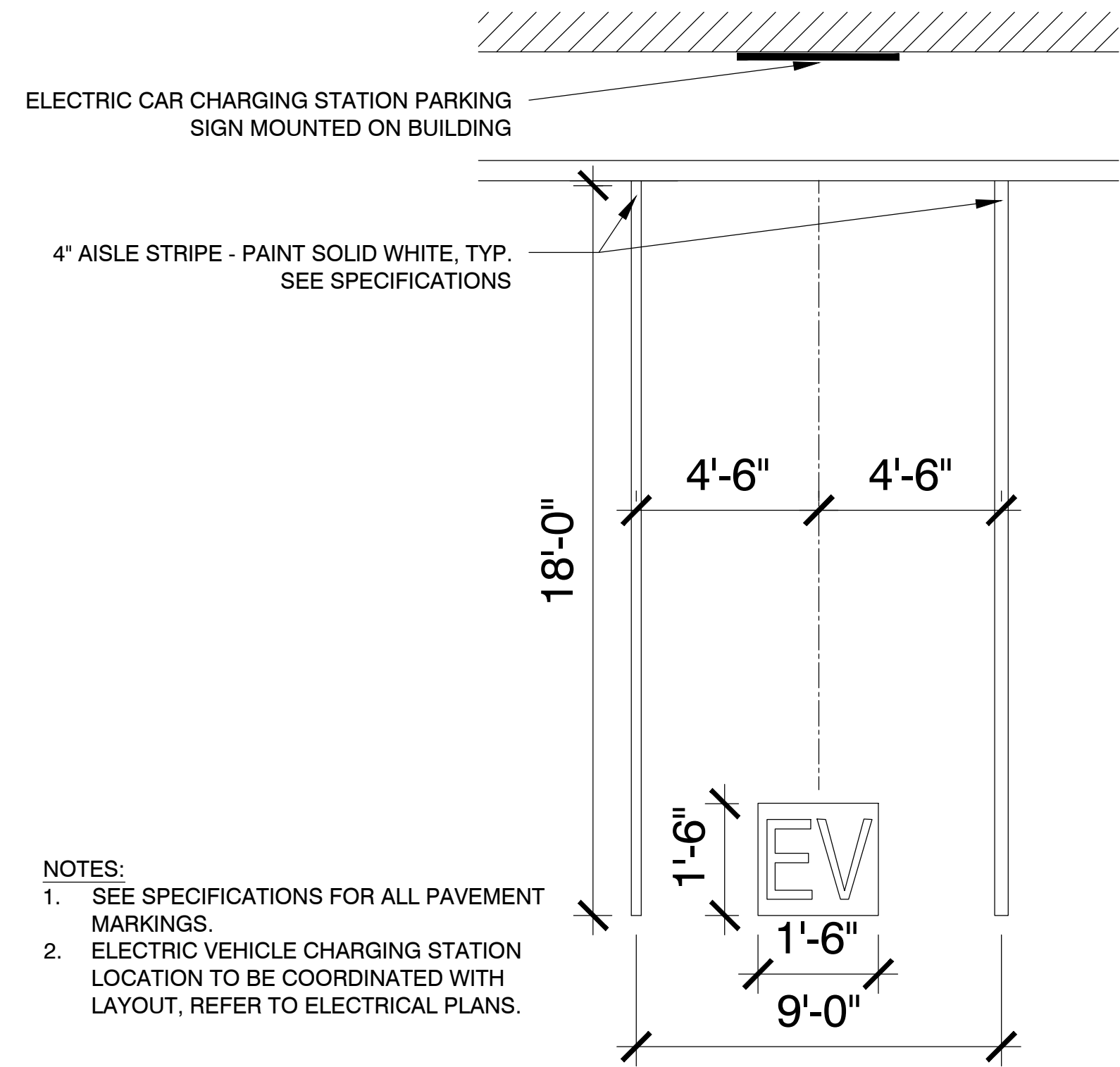
No.	Date	Description



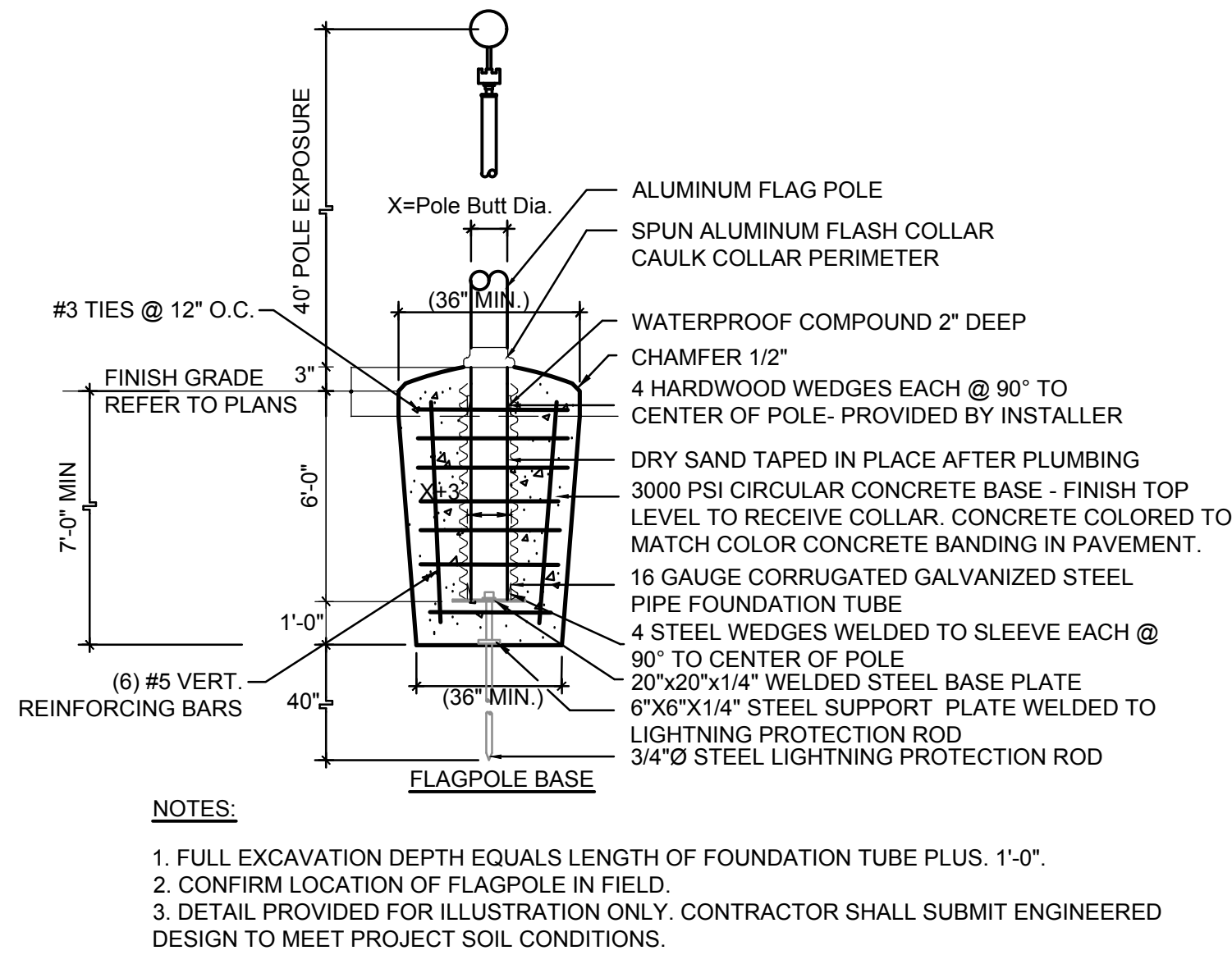
1 ACCESSIBLE SIGN IN BOLLARD
SCALE: N.T.S.



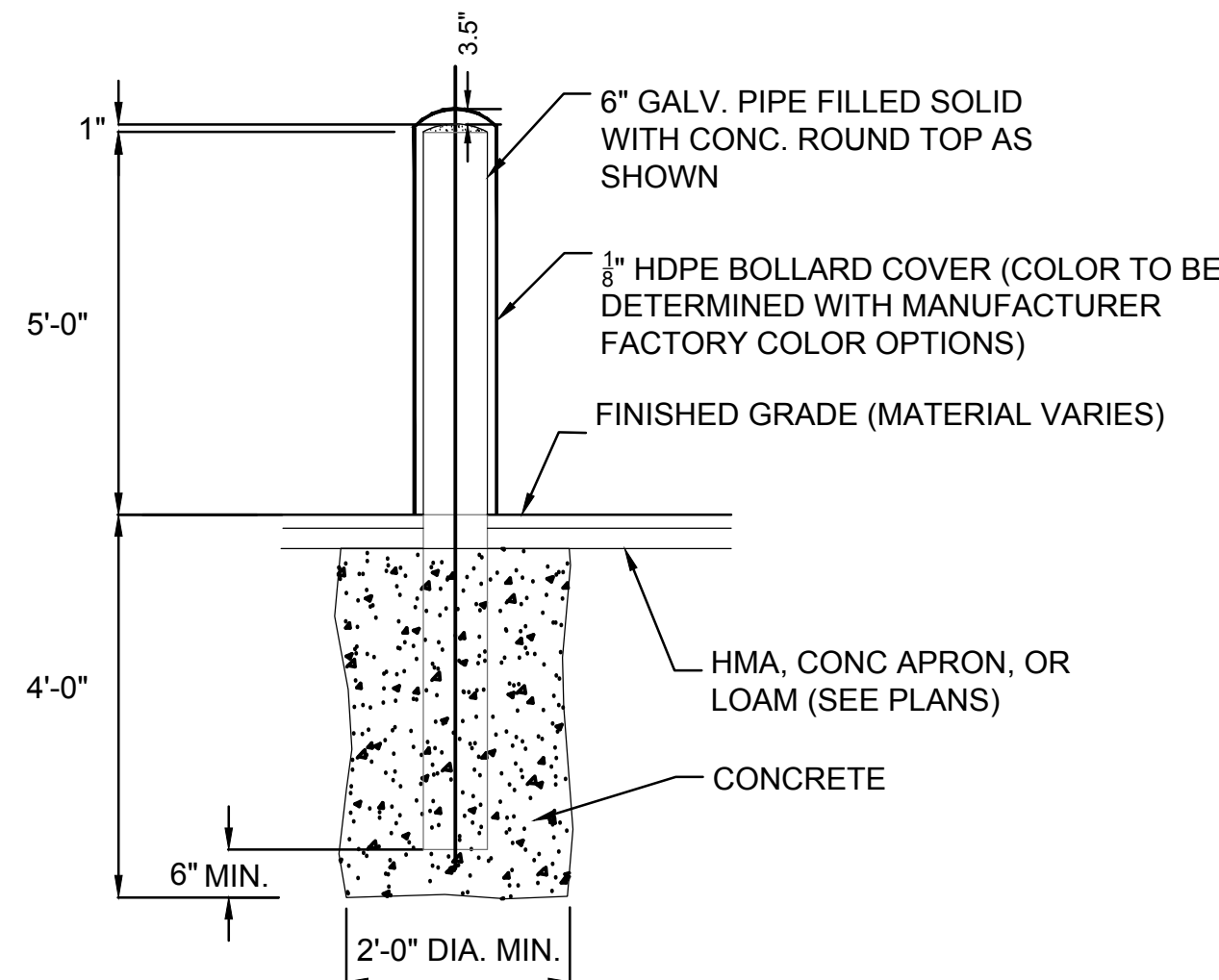
2 HANDICAP PARKING SPACE MARKING
SCALE: N.T.S.



3 EV CHARGING PARKING SPACE MARKING
SCALE: N.T.S.

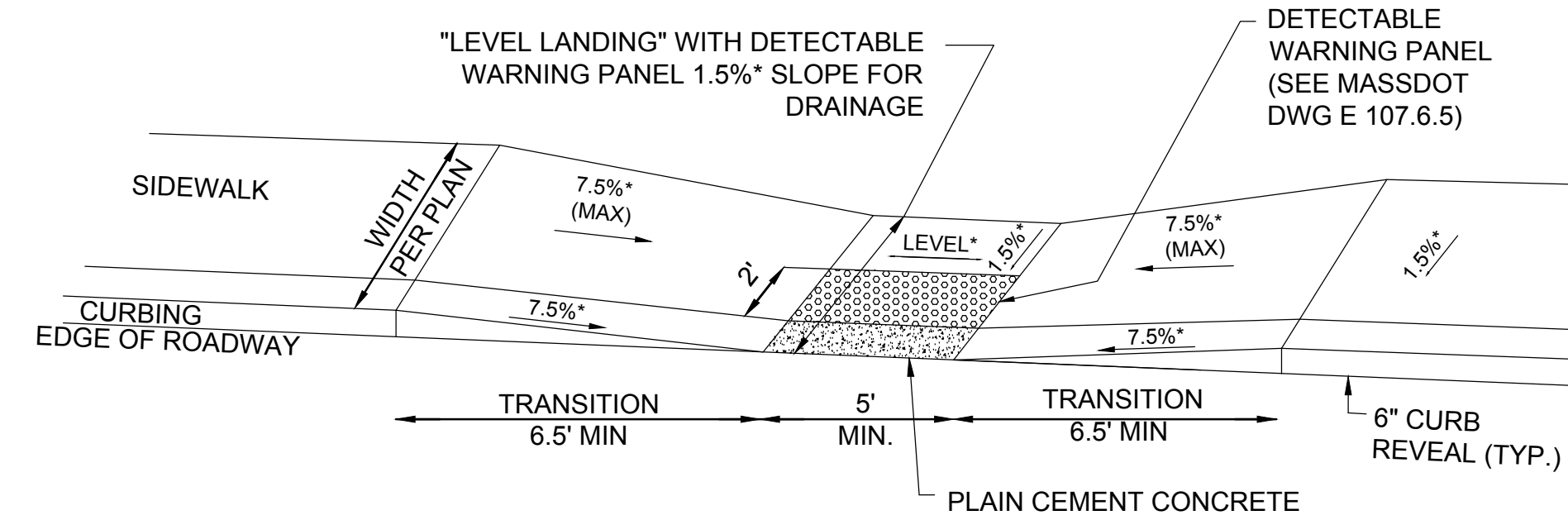


4 FLAGPOLE DETAIL
SCALE: N.T.S.


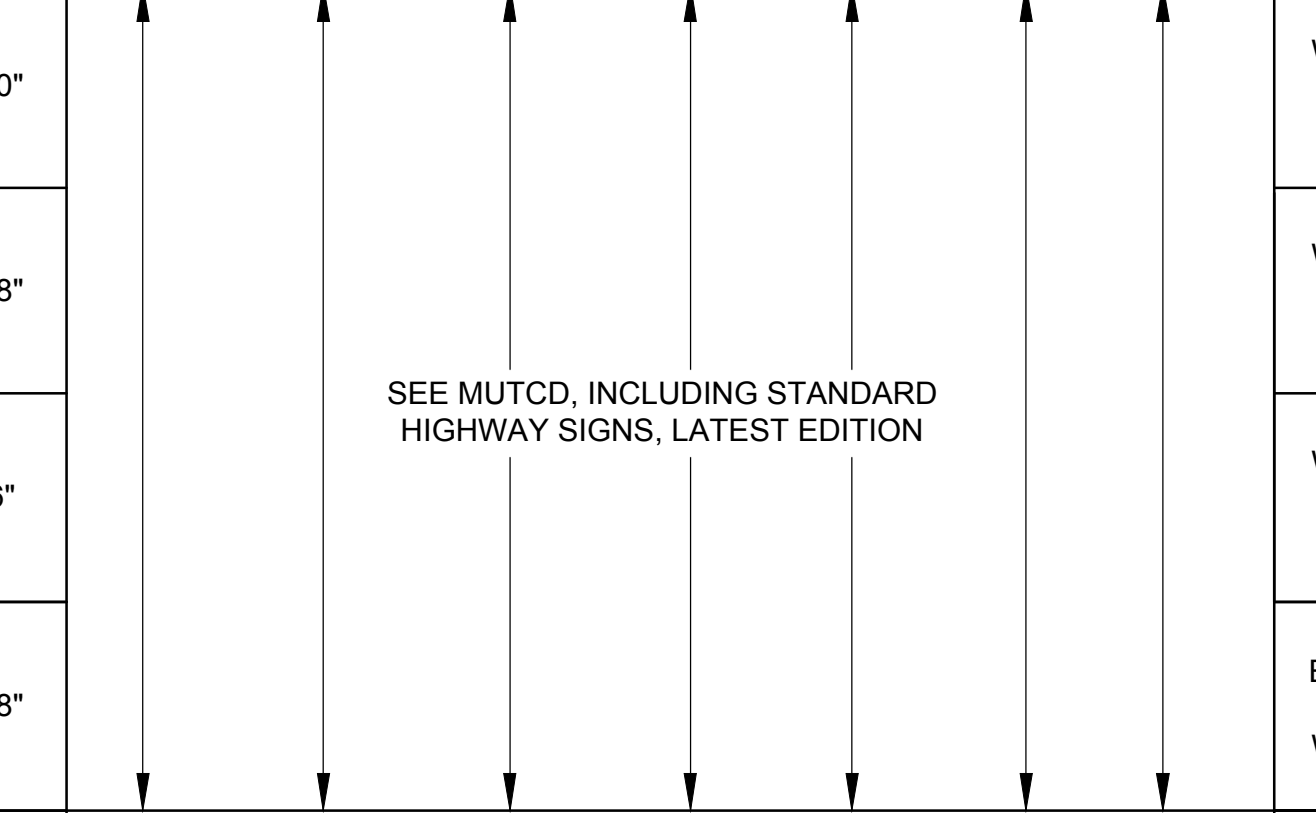


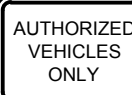
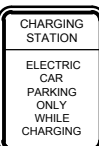


- NOTES:
- SEE C103 SERIES FOR BOLLARD LOCATIONS.
 - BOLLARD FOUNDATION CONCRETE TO BE 3000 PSI MIN.
 - EXACT LOCATION TO BE DETERMINED IN THE FIELD AND APPROVED BY TOWN BEFORE INSTALLATION.
 - 6\"/>
 - HDPE BOLLARD SLEEVE WITH 6 3/8\"/>

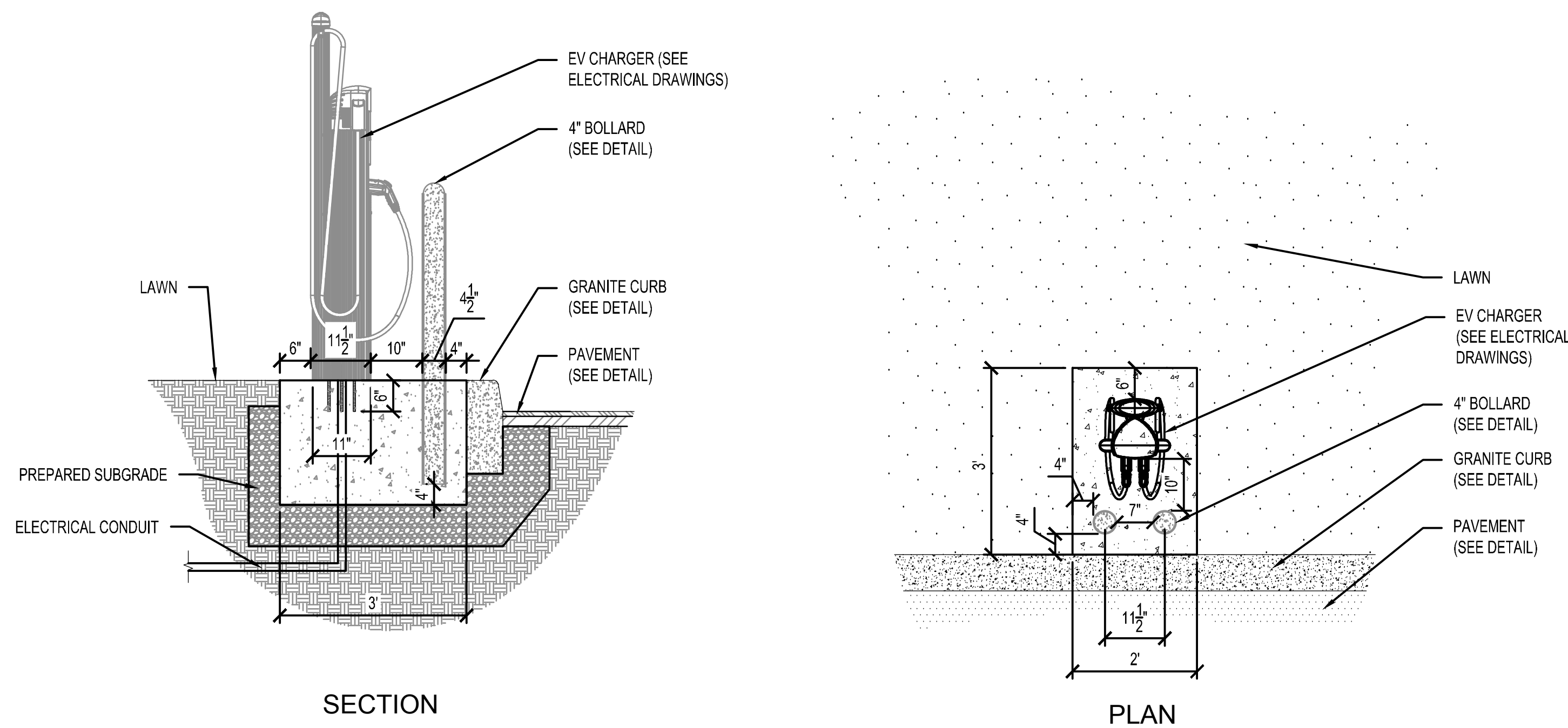
5 EXTERIOR STEEL PIPE BOLLARD
SCALE: N.T.S.



6 WHEEL CHAIR RAMP (TYPE B)
SCALE: N.T.S.

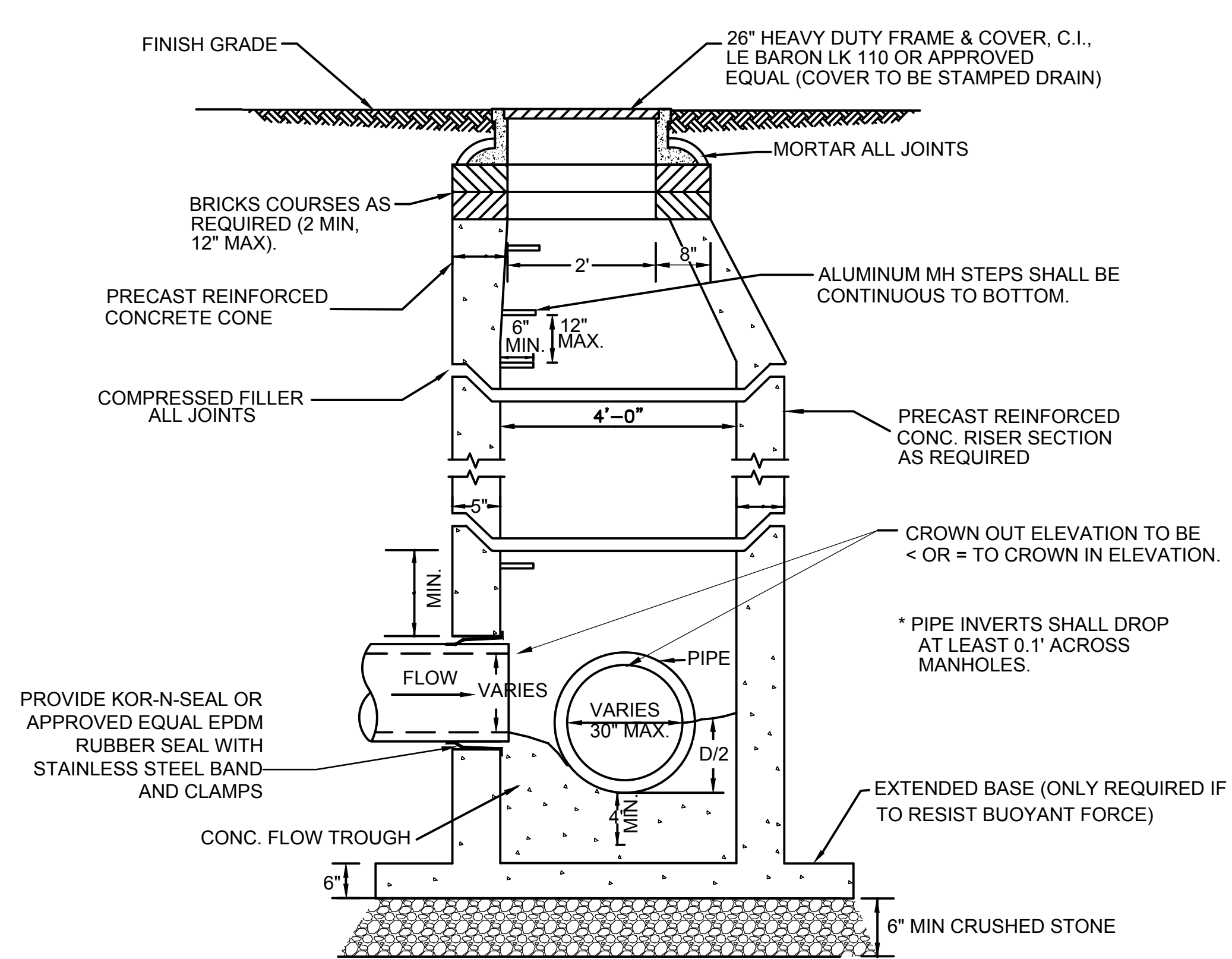
IDENTIFI- CATION NUMBER	TEXT	PANEL SIZE					NUMERALS & LETTERS				COLOR COMB.	NUMBER OF SIGNS REQUIRED	TOTAL AREA SQ. FT.	POST SIZE AND NUMBER REQUIRED
		WIDTH	HEIGHT	CORNER RADIO	BORDER WIDTH	MARGIN WIDTH	NUM. IN.	UPPER CASE	LOWER CASE	SERIES				
R1-1		30"	30"								WHITE ON RED	2	5.16	P5-1 2
R7-8MA		12"	18"								WHITE ON BLUE	1	1.50	P5-1 1
R7-8b		12"	6"								WHITE ON BLUE	1	0.50	P5-1 0
R5-11		24"	18"								BLACK ON WHITE	1	3.00	P5-1 1
CUSTOM		12"	18"								WHITE ON GREEN	4	6.0	P5-1 4

7 PERMANENT TRAFFIC SIGN SUMMARY
SCALE: N.T.S.



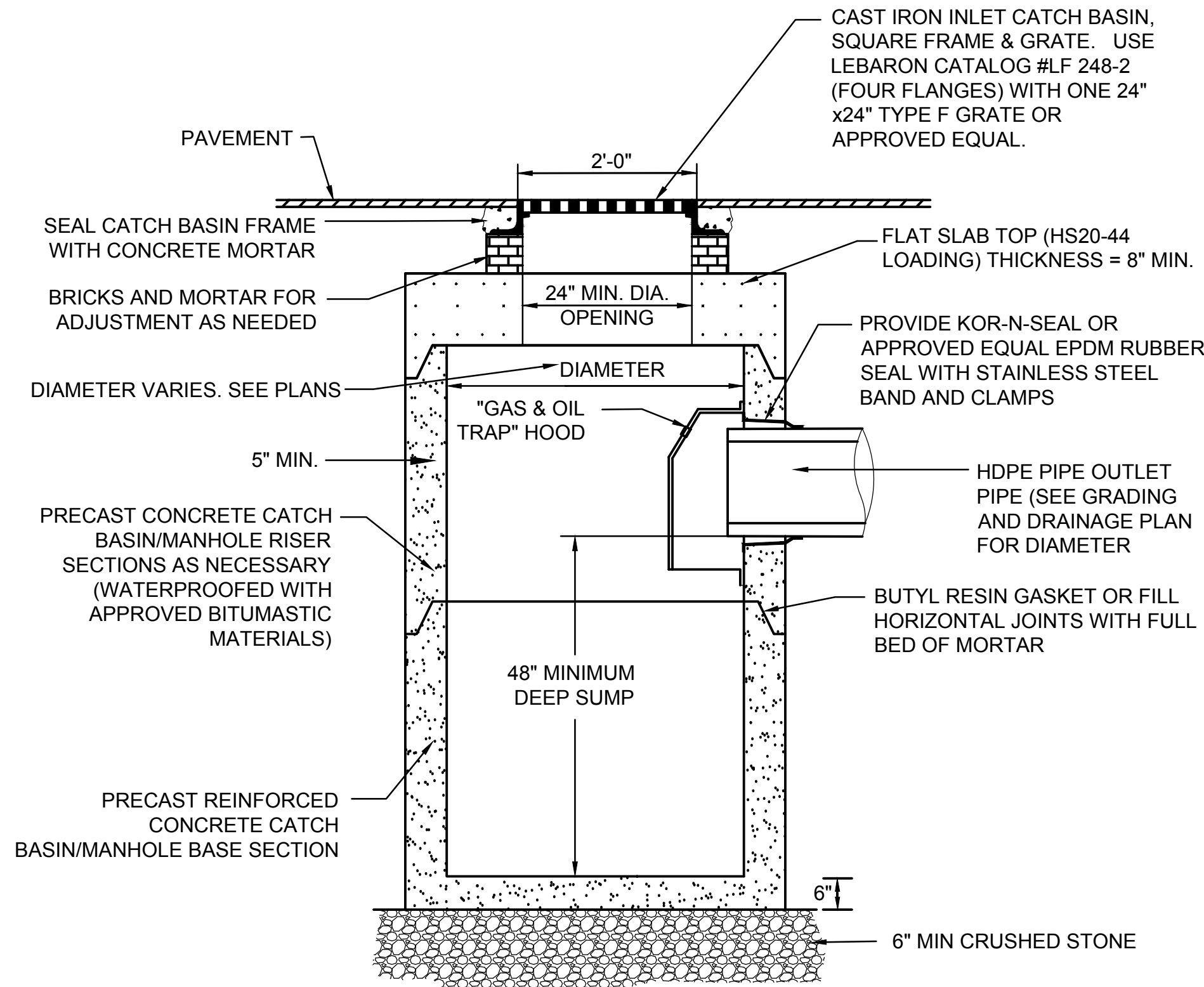
8 EV CHARGER
SCALE: N.T.S.

No.	Date	Description



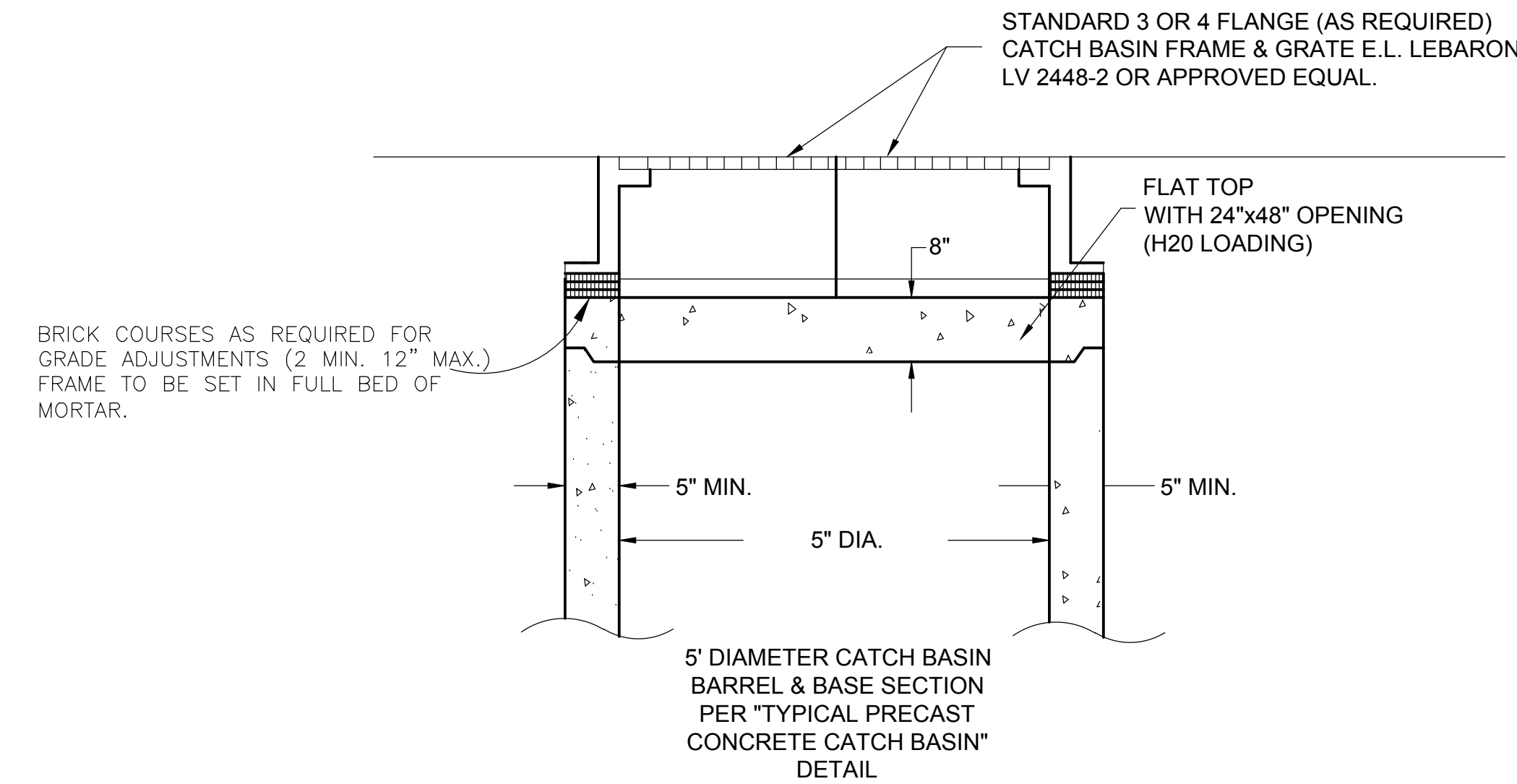
- NOTE:
1. THE DRAIN MANHOLE SHALL BE DESIGNED TO RESIST BUOYANCY. ASSUMING GROUNDWATER IS AT GRADE, MANUFACTURER SHALL PROVIDE BUOYANCY CALCULATIONS, STAMPED BY A MASSACHUSETTS P.E.
 2. MANHOLE FRAME AND COVER SHALL BE H-20 WHEEL LOAD RATED.

1 TYPICAL PRECAST CONCRETE MANHOLE
SCALE: N.T.S.

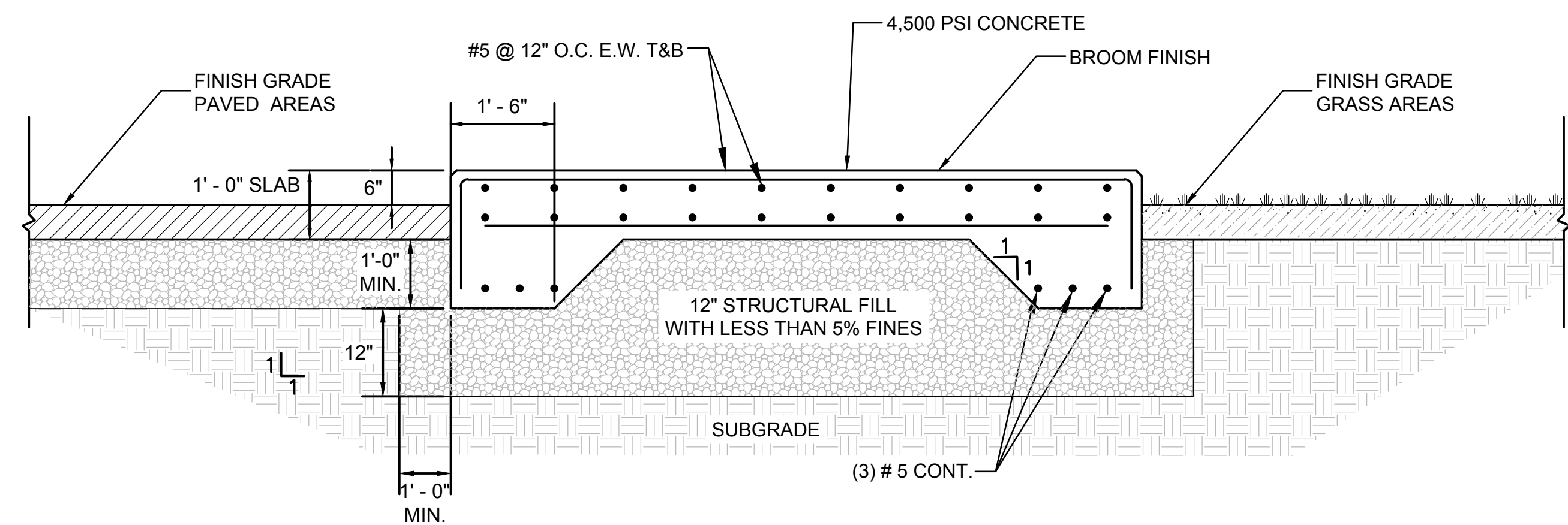


- NOTES:
1. FOR DOUBLE CATCH BASINS, STRUCTURE SHALL BE 5' IN DIAMETER.
 2. THE CATCH BASIN SHALL BE DESIGNED TO RESIST BUOYANCY. ASSUMING GROUNDWATER IS AT GRADE, MANUFACTURER SHALL PROVIDE BUOYANCY CALCULATIONS, STAMPED BY A MASSACHUSETTS P.E.
 3. MANHOLE FRAME AND COVER SHALL BE H-20 WHEEL LOAD RATED.

2 STANDARD CATCH BASIN
SCALE: N.T.S.

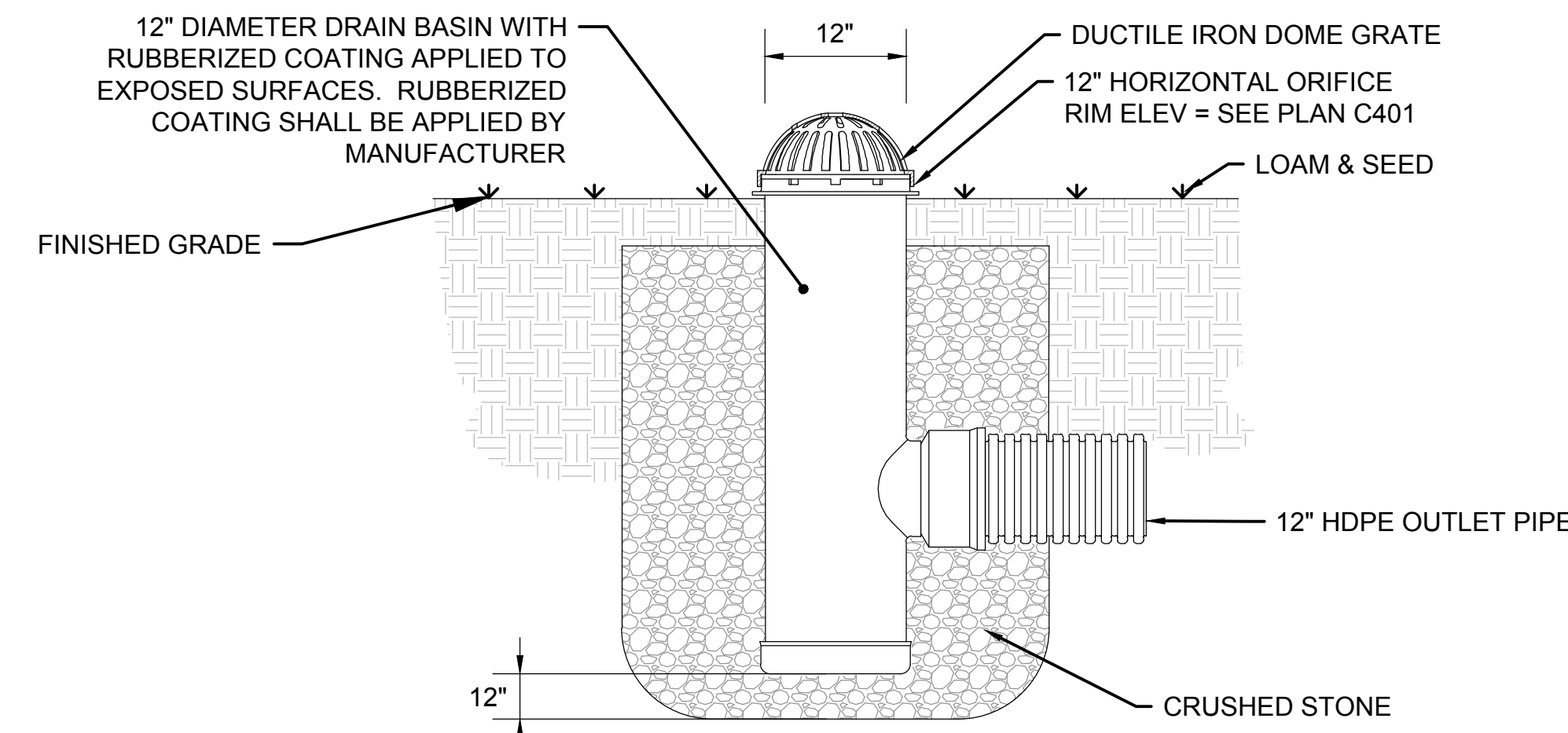


3 DOUBLE GRATE CATCH BASIN
SCALE: N.T.S.



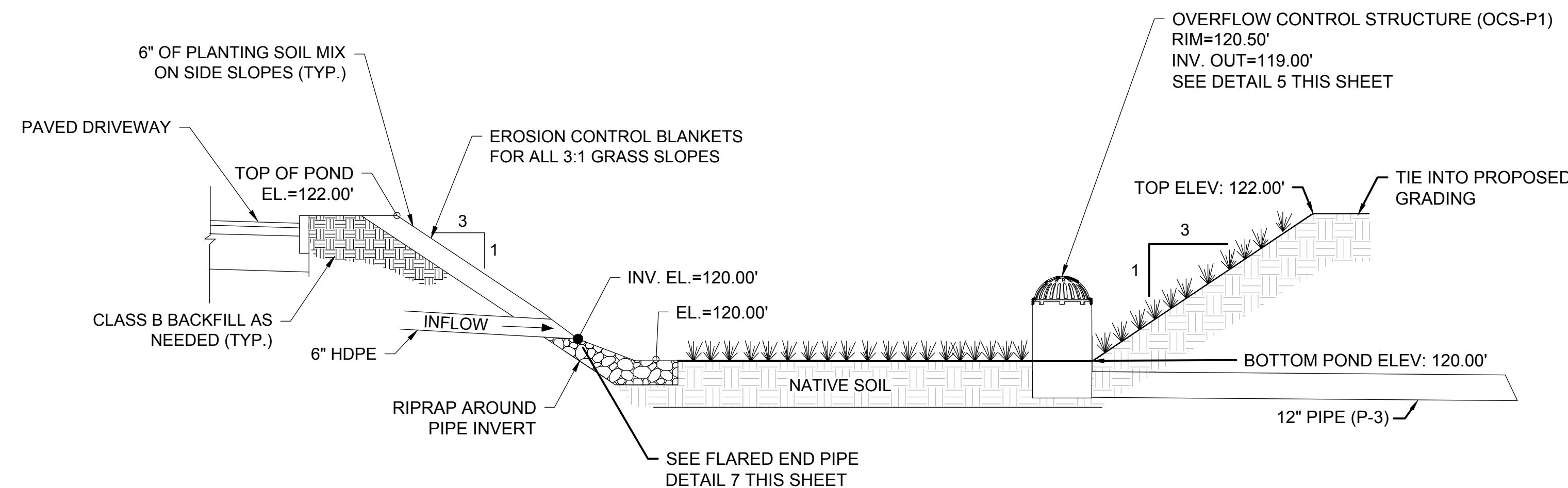
- NOTES:
1. GENERAL CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF ALL CONCRETE PADS.
 2. SEE LAYOUT AND GRADING PLANS FOR FINISH GRADE
 3. COORDINATE WITH ALL CONTRACTORS AND ADJUST PAD LOCATIONS AND DIMENSIONS IN FIELD
 4. SLABS 8" OR LESS IN THICKNESS SHALL HAVE ONE LAYER OF REINFORCING PLACED IN THE TOP ONE THIRD OF THE SLAB.
 5. THE EXACT SIZE, SHAPE AND LOCATION OF EQUIPMENT (HOUSEKEEPING) PAD(S) SHALL BE DETERMINED BY THE CONTRACTOR AFTER APPROVAL OF SHOP DRAWINGS FOR EQUIPMENT. ANCHOR BOLTS, WHERE REQUIRED, SHALL BE SIZED AND LOCATED ACCORDING TO THE MANUFACTURER'S REQUIREMENTS.
 6. CONTRACTOR SHALL PROVIDE CAULK WITH POLYSULFIDE SEALANT AND PREFORMED JOINT FILLER WHERE EQUIPMENT PADS ADJOIN THE BUILDING.
 7. EQUIPMENT PAD DETAIL SHALL BE USE FOR, BUT NOT LIMITED TO, THE ELECTRICAL TRANSFORMER PAD, EMERGENCY GENERATOR PAD, GAS METER PADS, AND CONEX STORAGE PAD.
 8. CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR CONDUIT PENETRATIONS IN EQUIPMENT PADS

4 TYPICAL EQUIPMENT PAD DETAIL
SCALE: N.T.S.



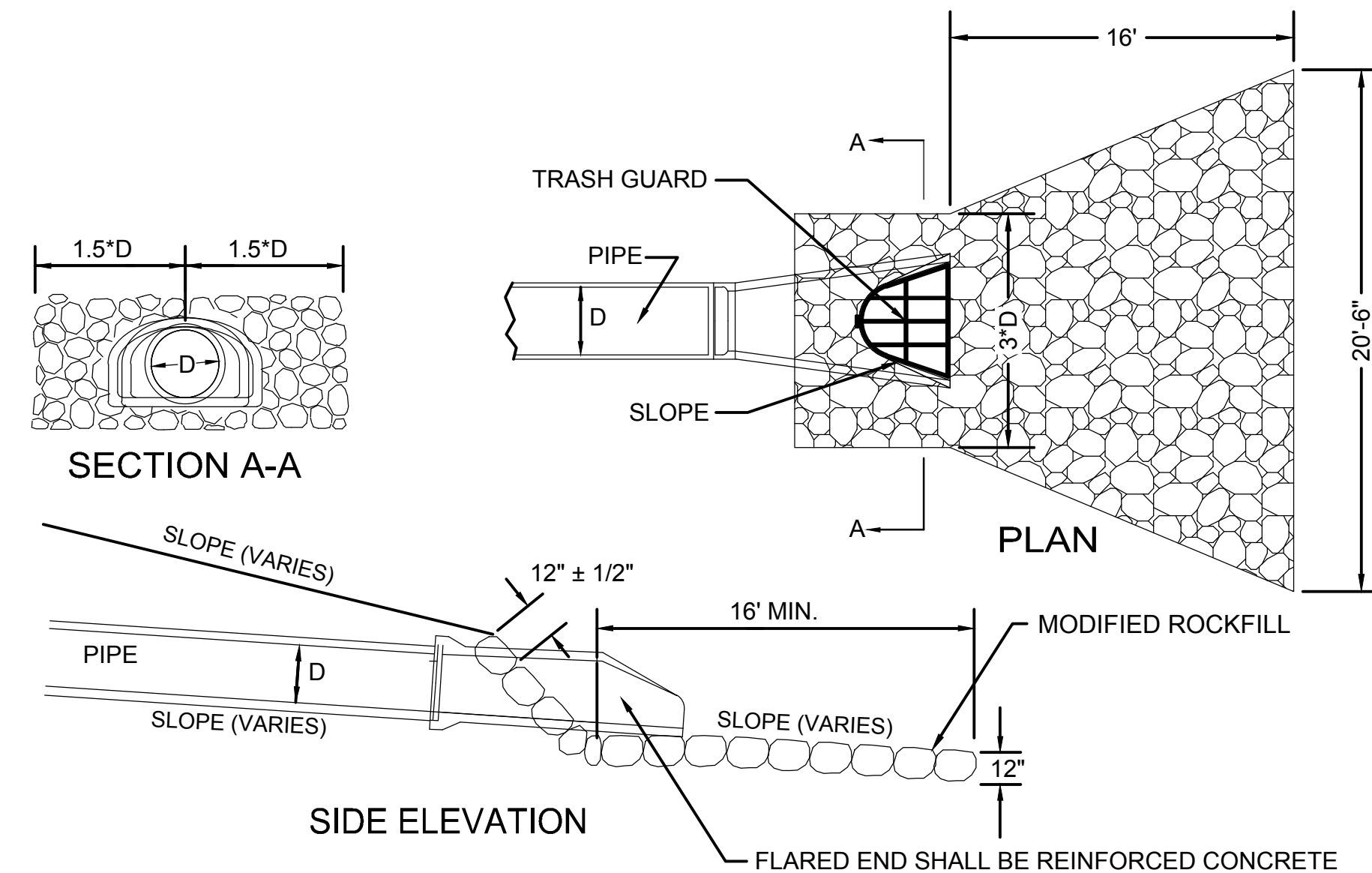
5 BIORETENTION OUTLET CONTROL STRUCTURE (OCS-P1)
SCALE: N.T.S.

- NOTES:
1. OUTLET CONTROL STRUCTURE SHALL BE AS MANUFACTURED BY NYLOPLAST OR APPROVED EQUAL.
 2. OUTLET CONTROL STRUCTURE SHALL HAVE 2' DEEP SUMPS.



- NOTES:
1. CROSS SECTION IS SCHEMATIC ONLY AND IS MEANT TO DISPLAY THE PATH OF TRAVEL FOR WATER.
 2. SEE LANDSCAPE PLAN FOR PLANTING REQUIREMENTS.
 3. ALL UNDOCUMENTED FILL SHALL BE REMOVED FROM BENEATH INFILTRATION BASIN DOWN TO NATIVE SOILS.

6 INFILTRATION BASIN P-1 SCHEMATIC DETAIL
SCALE: N.T.S.



7 FLARED END PIPE DETAIL
SCALE: N.T.S.

Consultants:

Revisions:

No.	Date	Description

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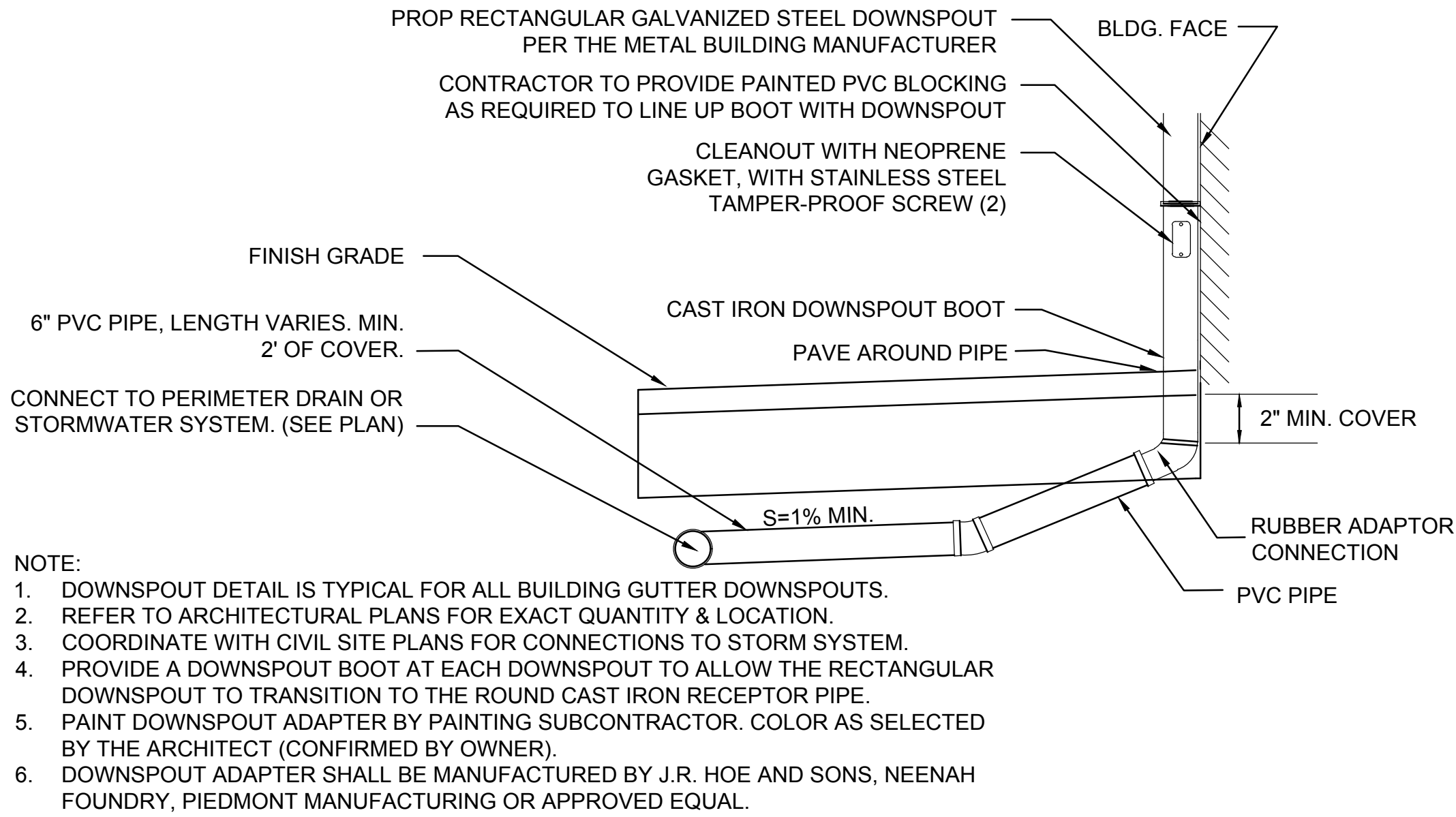
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Drawn By: CTP
Reviewed By: AP
Approved By: AP
W&S Project No.: ENG24 - 1552
W&S File No.: -

Drawing Title:

SITE DETAILS V

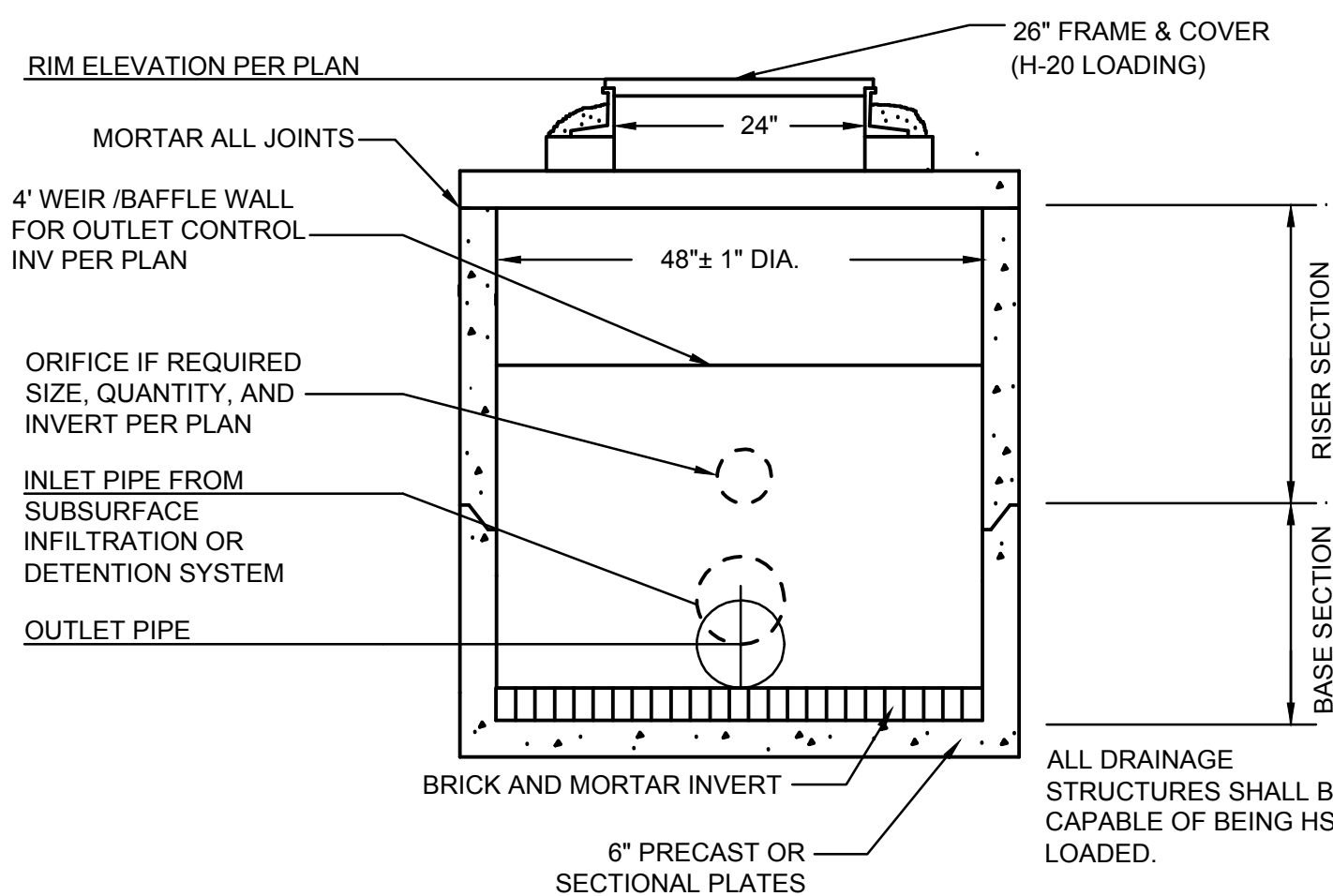
Sheet Number:

C605



1 GUTTER DOWNSPOUT CONNECTION DETAIL (EXTERNAL)

SCALE: N.T.S.



2 OCS FOR INFILTRATION SYSTEMS INF-A, AND INF-B

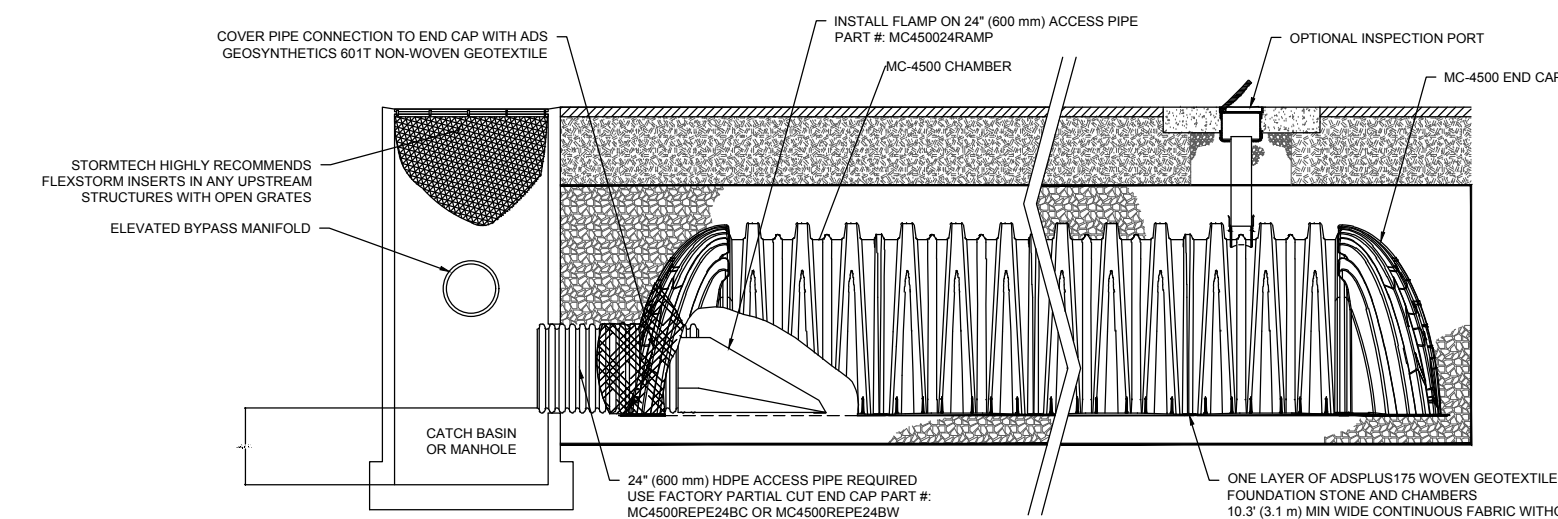
SCALE: N.T.S.

INSPECTION & MAINTENANCE

- STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- INSPECTION PORTS (IF PRESENT)
 - REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
 - REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
 - USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
 - LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
 - IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
 - ALL ISOLATOR PLUS ROWS
 - REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
 - USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
 - MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
 - FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
 - IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m) OR MORE IS PREFERRED
 - APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
 - VACUUM STRUCTURE SUMP AS REQUIRED
- STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.
- STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

- INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
- CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

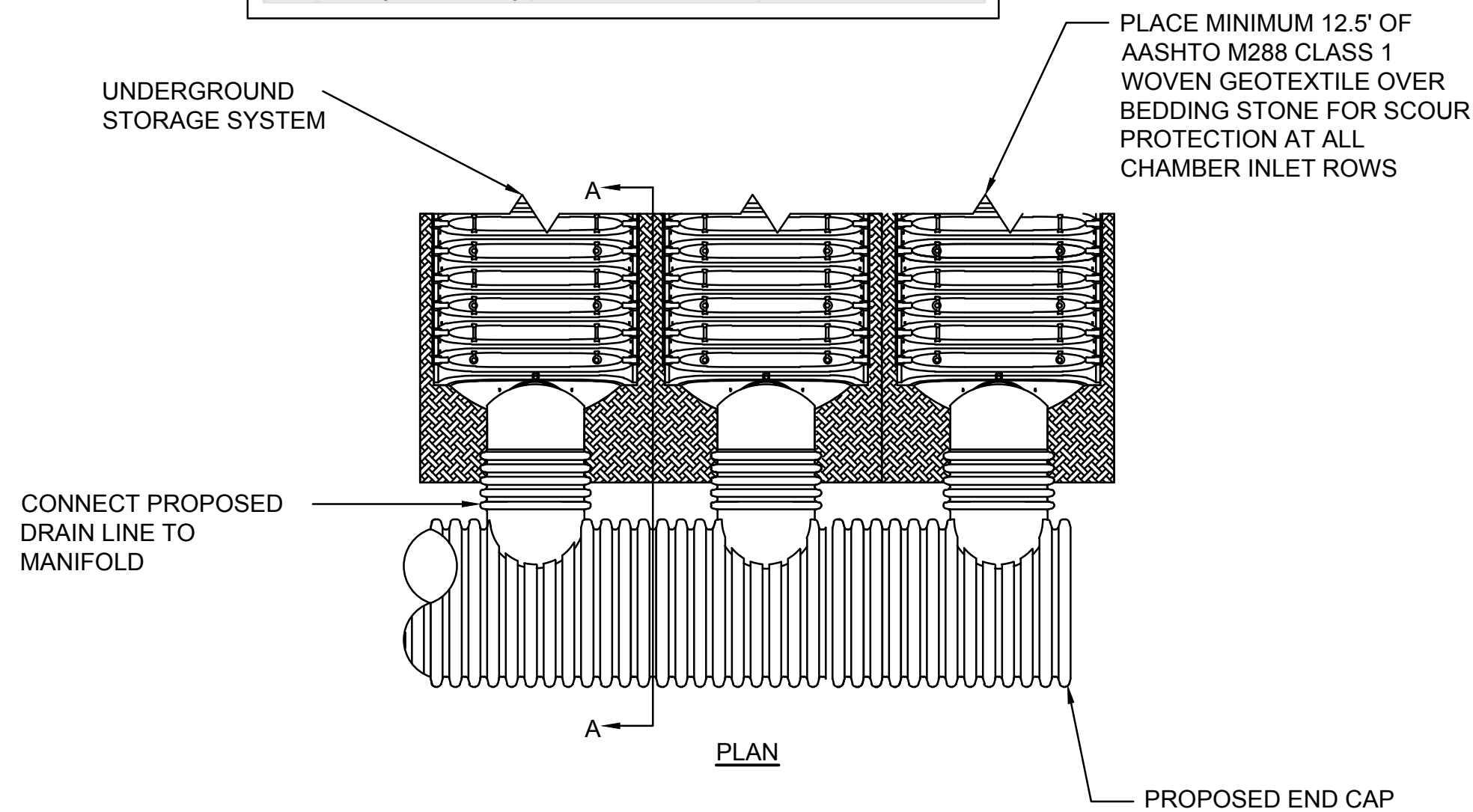


3 ISOLATOR ROW

SCALE: N.T.S.

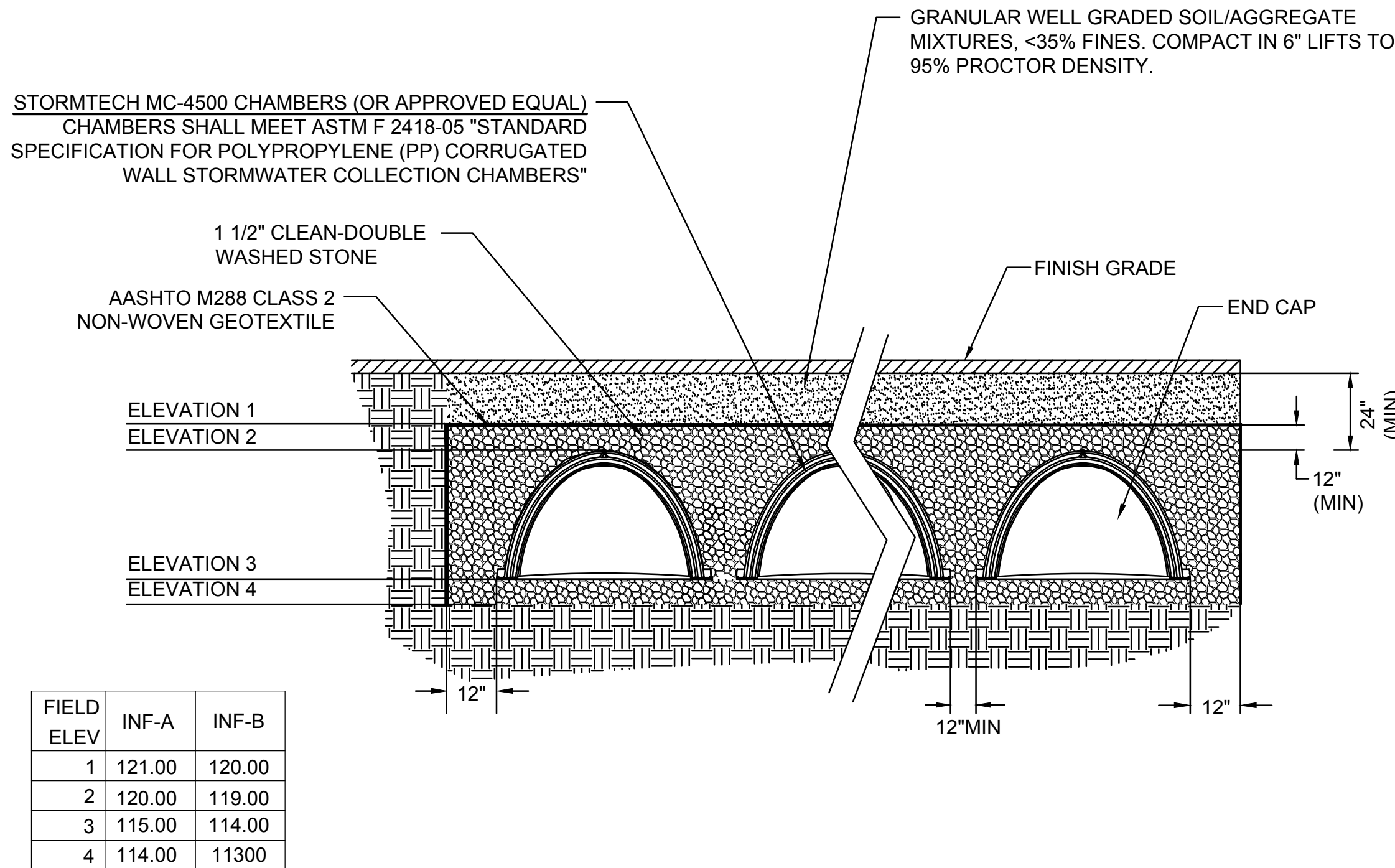
Table 5 - Standard Distances From Base of Chamber to Invert of Inlet and Outlet Manifolds on StormTech MC-4500 End Caps

	Pipe Diameter	Inv. (IN)	Inv. (MM)
TOP	12" (300 mm)	35.69	907
	15" (375 mm)	32.72	831
	18" (450 mm)	29.36	746
	24" (600 mm)	23.05	585
BOTTOM	12" (750 mm)	1.55	34
	15" (900 mm)	1.7	43
	18" (1050 mm)	1.97	50
	24" (1200 mm)	2.26	57



5 INFILTRATION/RECHARGE CHAMBER - MANIFOLD CONNECTION

SCALE: N.T.S.

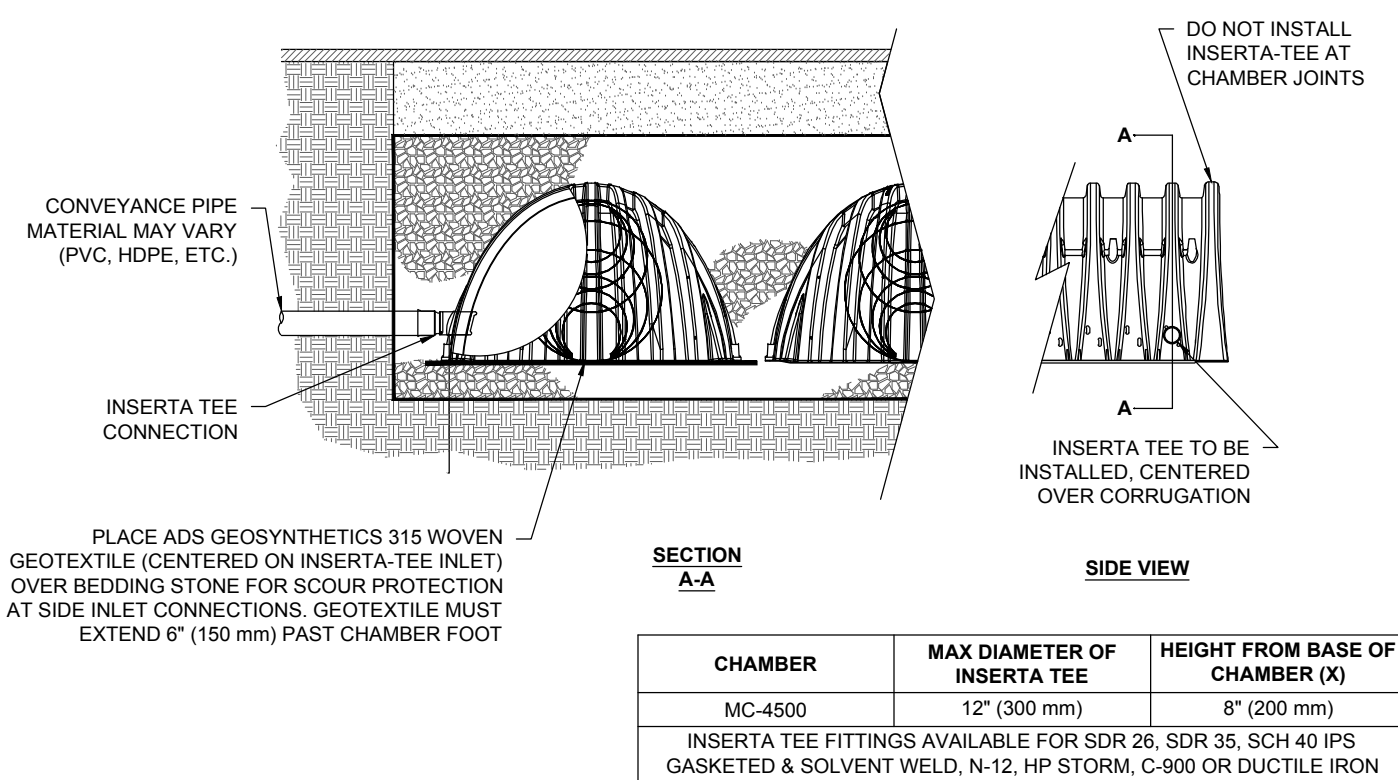


4 INFILTRATION/RECHARGE CHAMBER - SECTION

SCALE: N.T.S.

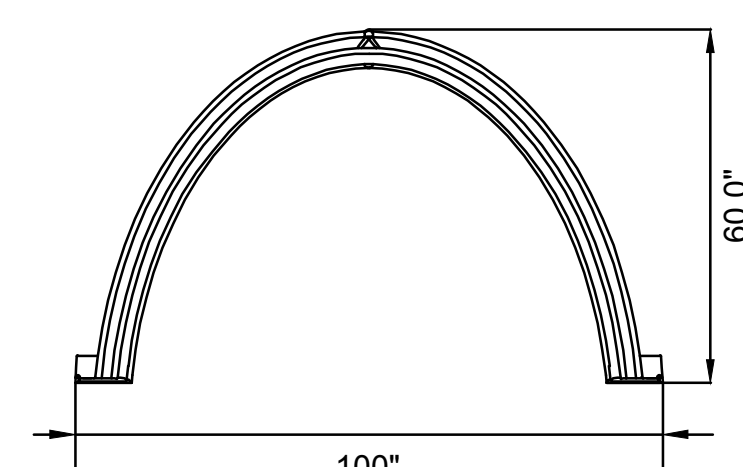
FIELD ELEV	INF-A	INF-B
1	121.00	120.00
2	120.00	119.00
3	115.00	114.00
4	114.00	11300

SCALE: N.T.S.



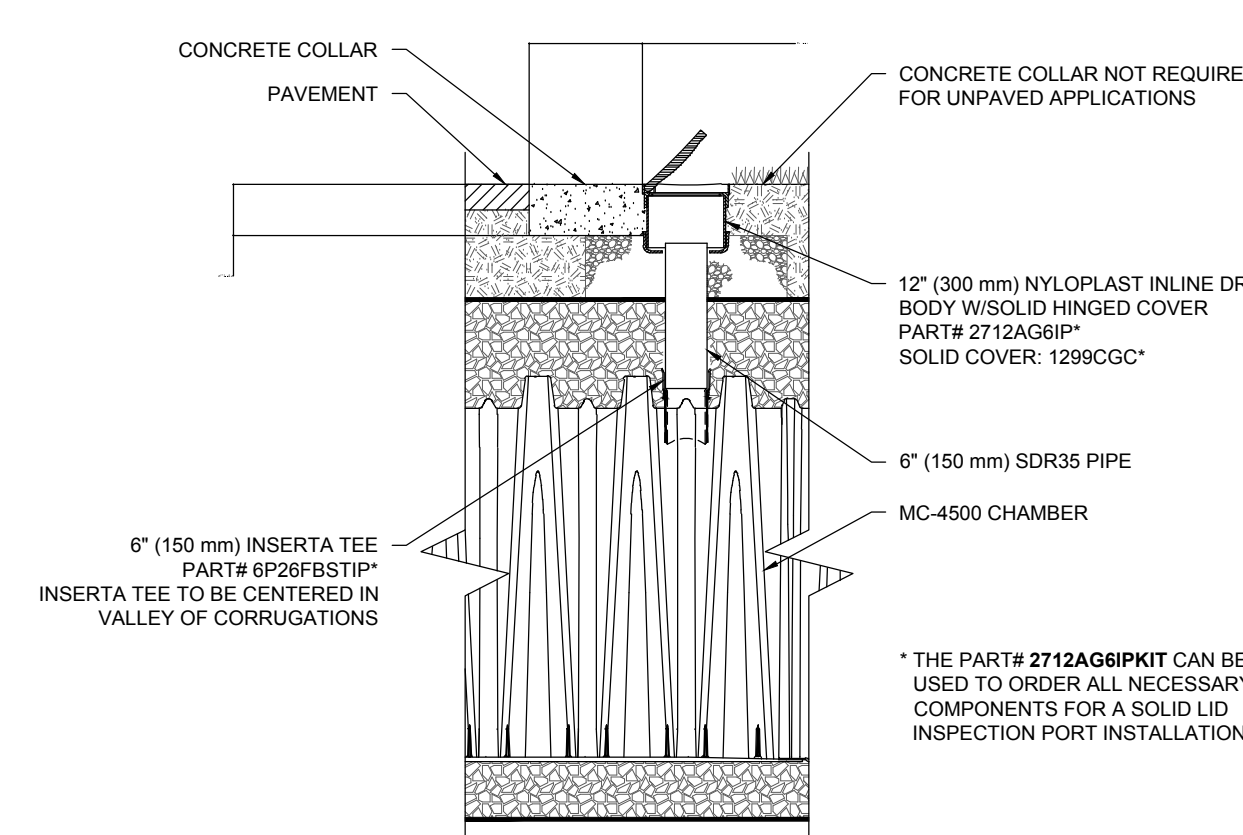
6 INSERTA TEE DETAIL

SCALE: N.T.S.



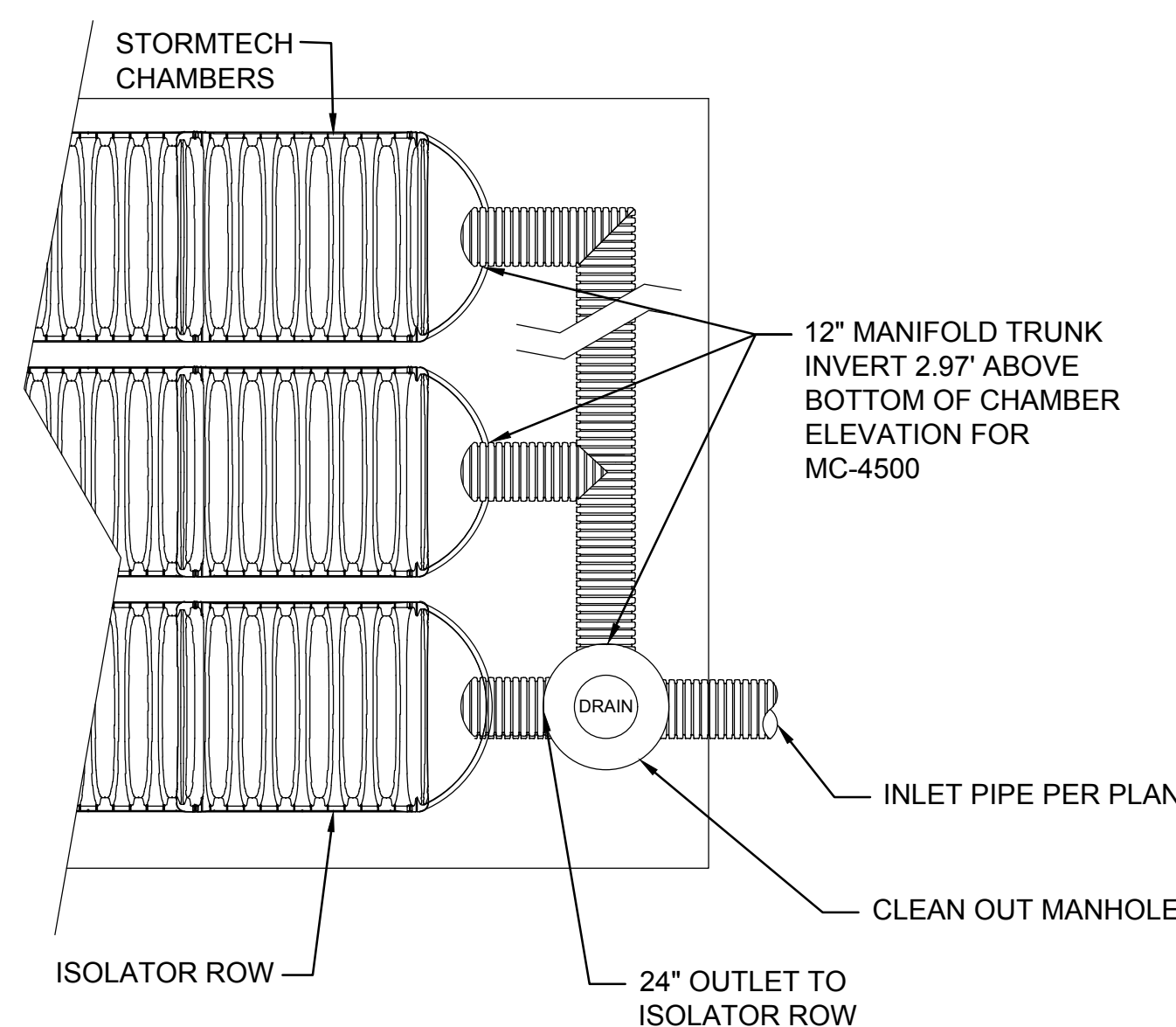
7 CHAMBER UNIT DETAIL

SCALE: N.T.S.



8 6" PVC INSPECTION PORT DETAIL

SCALE: N.T.S.



9 INFILTRATION CHAMBER CONNECTION TO ISOLATOR ROW AND MANIFOLD

SCALE: N.T.S.

Project: TOWN OF TRURO, MA
NEW DEPARTMENT OF PUBLIC
WORKS FACILITY



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TRURO, MA 02666

Weston & Sampson

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Reviewed By: AP

Approved By: AP

W&S Project No.: ENG24 - 1552

W&S File No.: -

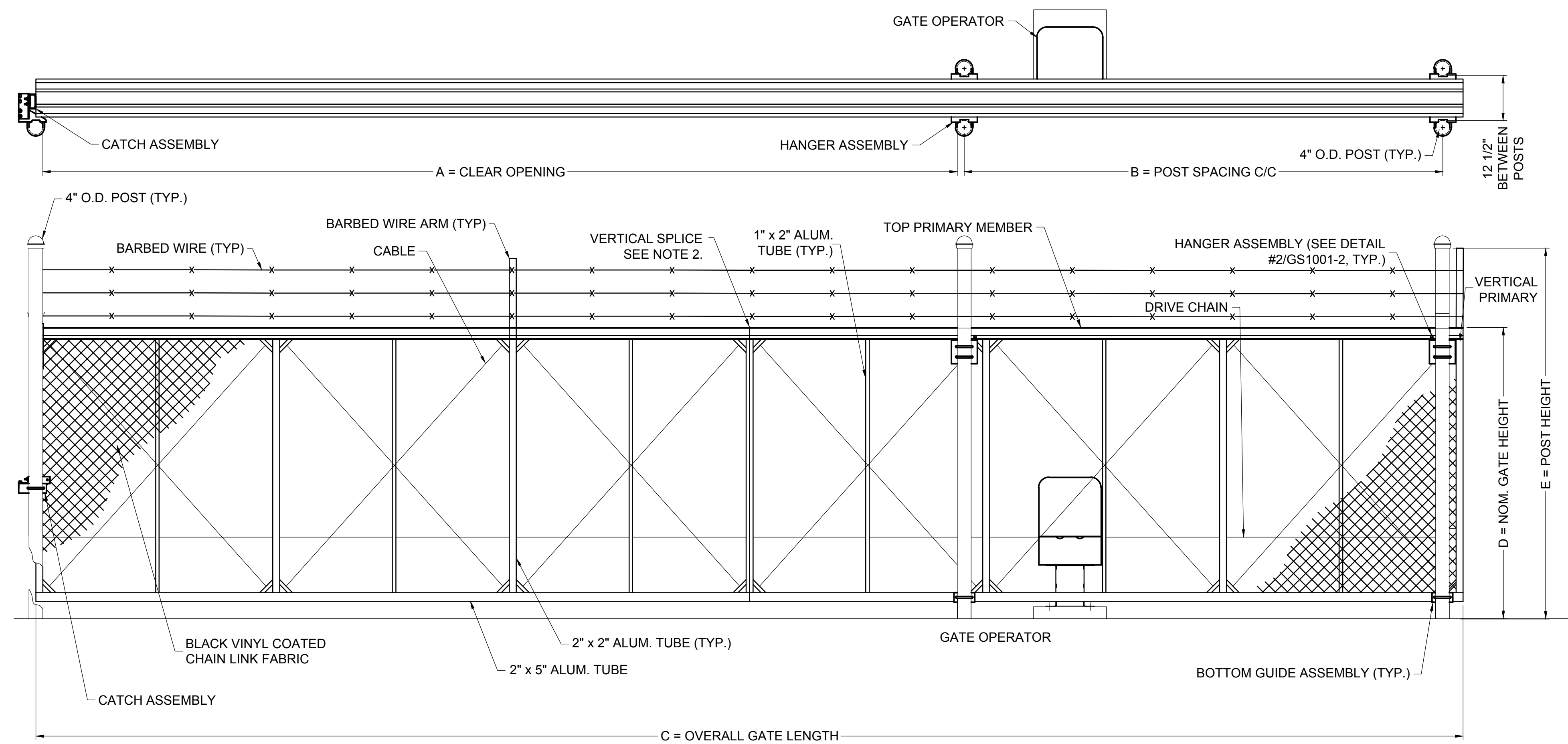
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CIVIL DETAILS VI

Sheet Number:

C606

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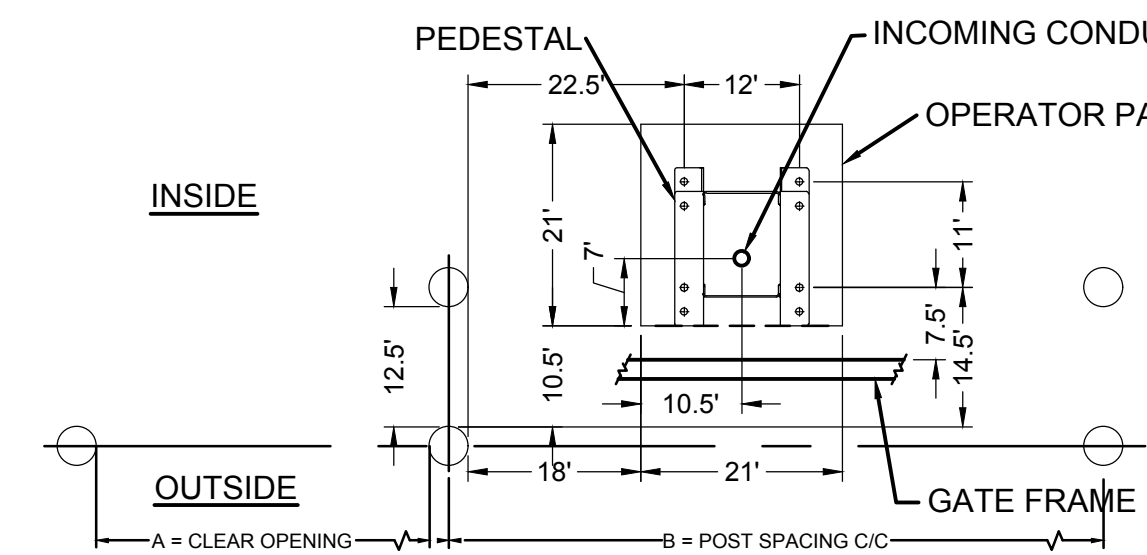


- NOTES:
- ALL FITTINGS PROVIDED FOR 4" O.D. POSTS. OTHER SIZES ARE AVAILABLE UPON REQUEST.
 - FOR GATES THAT REQUIRE TWO PIECE FABRICATION, A 5" ALUMINUM CHANNEL WILL BE SUBSTITUTED FOR THE 2" x 5" ALUM. TUBE, AND A VERTICAL SPLICE WILL BE ADDED.
 - POWDER COATED BLACK.
 - THE CONTRACTOR SHALL SUBMIT FINAL GATE FOUNDATION DESIGNS STAMPED BY A MASSACHUSETTS PE.

GATE DIMENSIONS			
A	30'	40'	
B	14'-7"	19'-7"	
C	45'-6"	55'-6"	
D	8'-0"	8'-0"	
E	9'-6"	9'-6"	

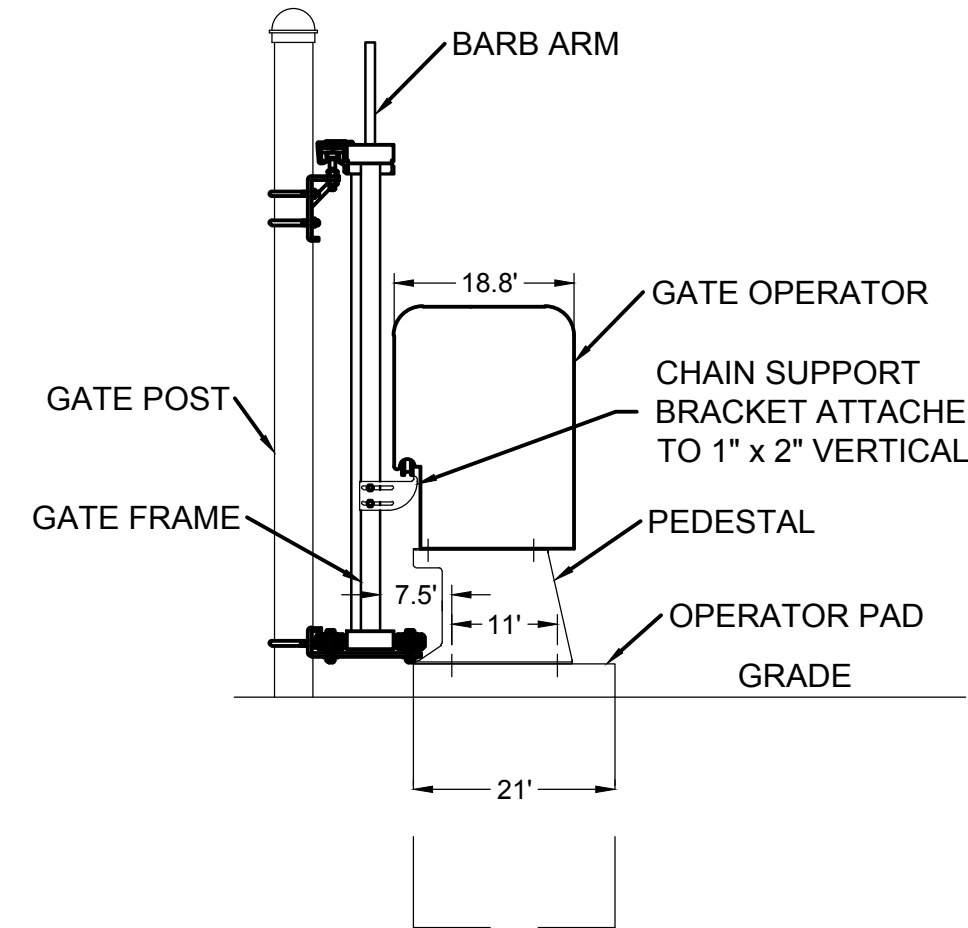
1 CANTILEVER SLIDE GATE WITH BARBED WIRE

SCALE: N.T.S.



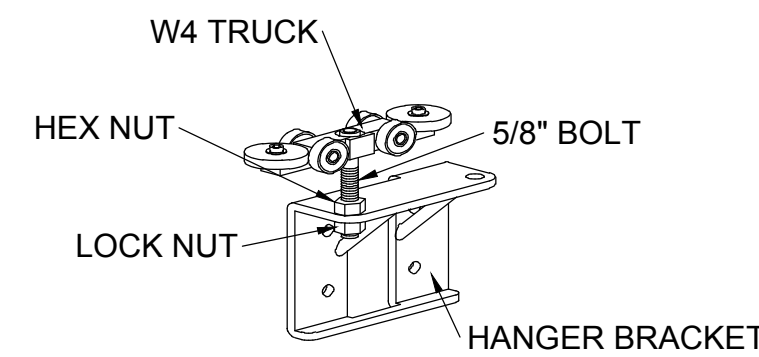
2 SLIDE GATE OPERATOR PAD LAYOUT PLAN

SCALE: N.T.S.



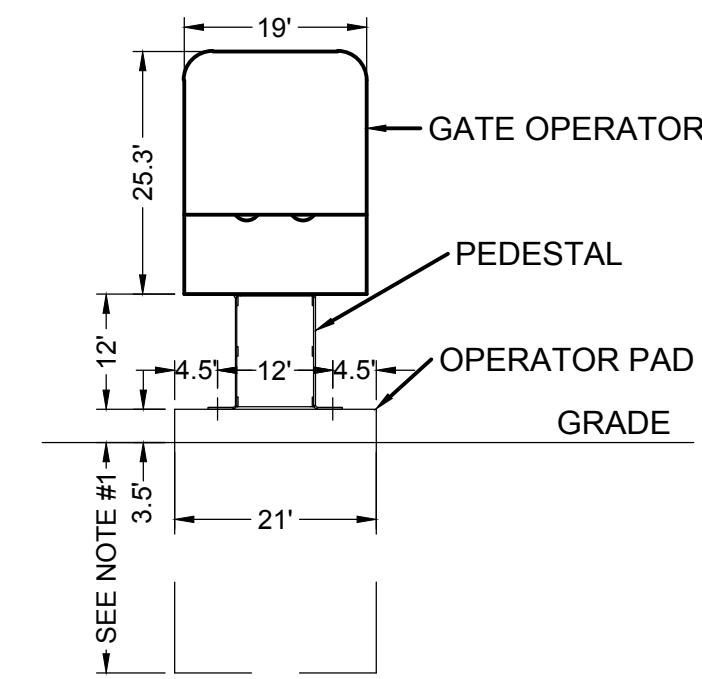
4 SLIDE GATE OPERATOR SIDE ELEVATION

SCALE: N.T.S.



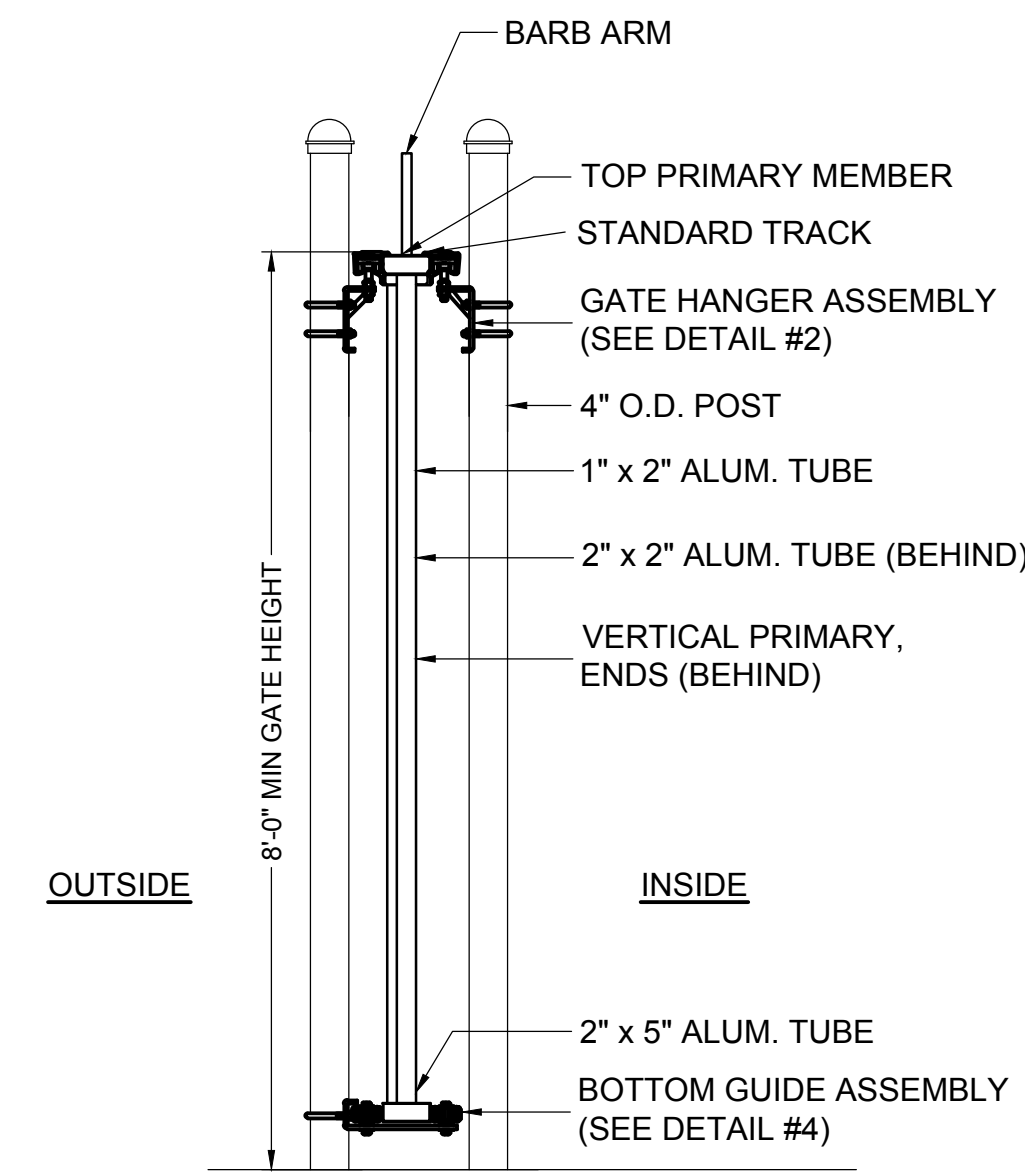
6 SLIDE GATE HANGER

SCALE: N.T.S.



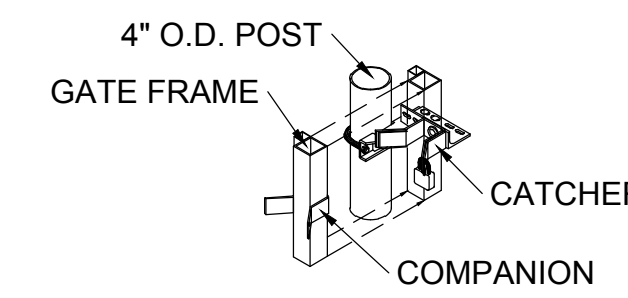
3 SLIDE GATE OPERATOR FRONT ELEVATION

SCALE: N.T.S.



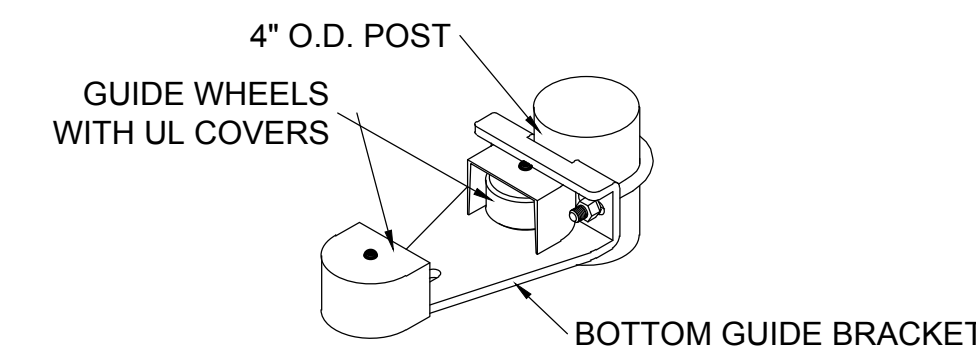
5 SLIDE GATE ASSEMBLY SECTION

SCALE: N.T.S.



7 SLIDE GATE CATCH ASSEMBLY

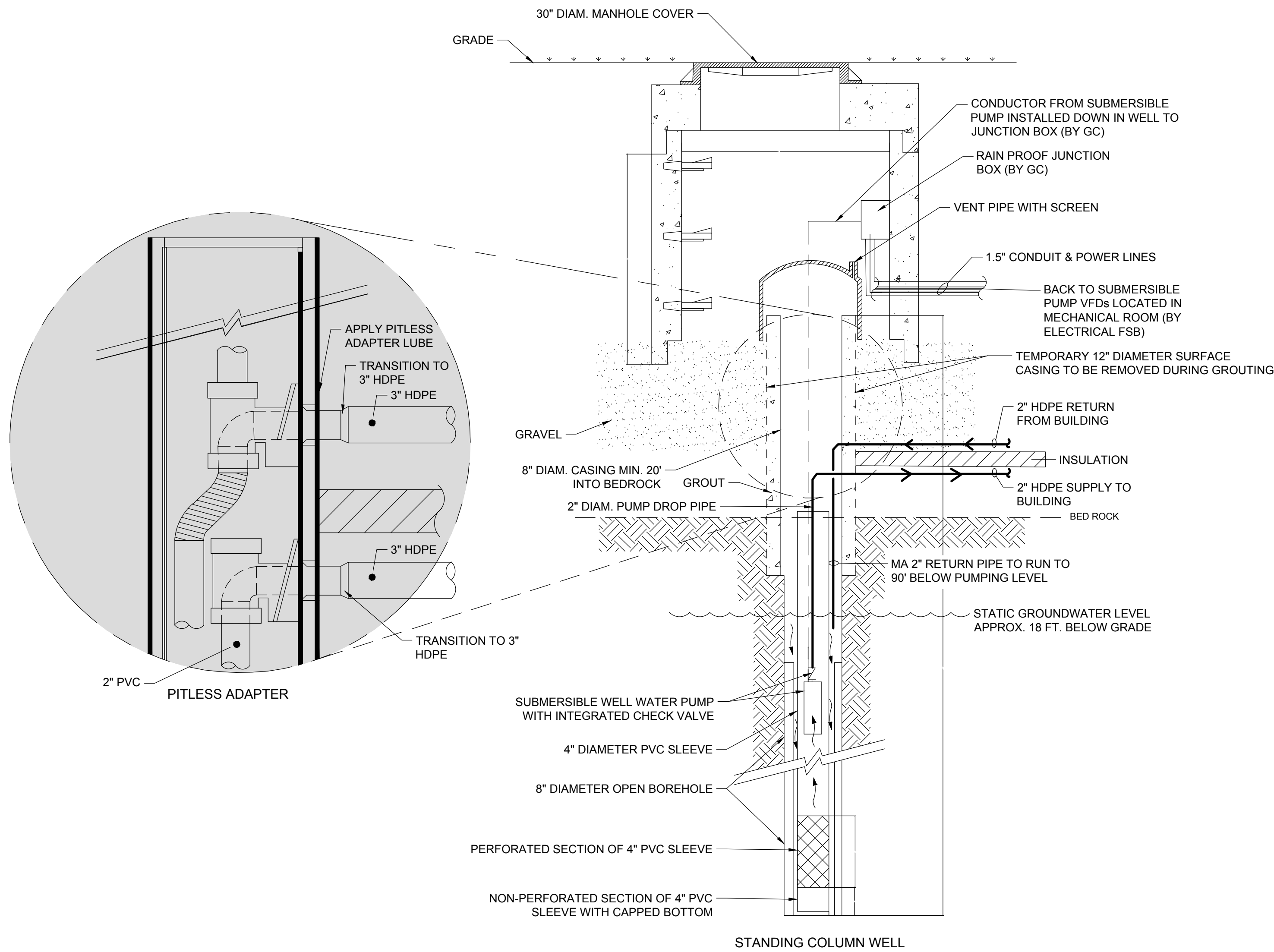
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8 SLIDE GATE BOTTOM GUIDE

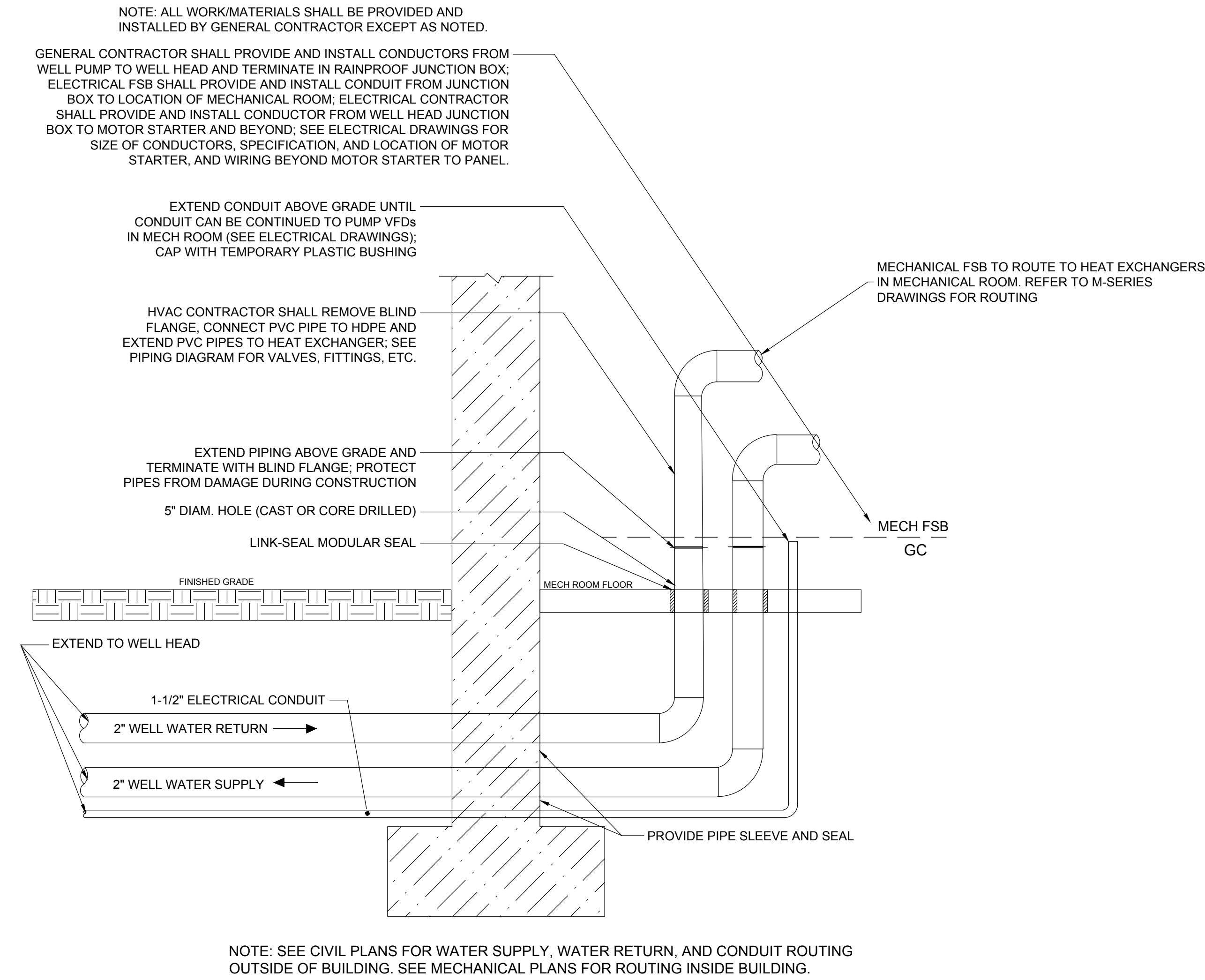
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No.	Date	Description



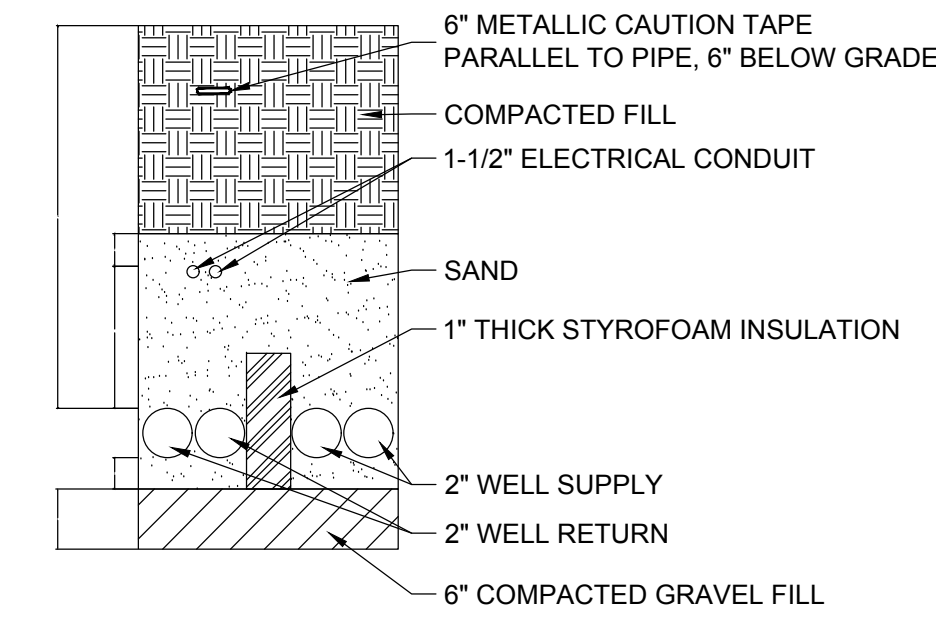
1 STANDING COLUMN WELL DETAIL

SCALE: N.T.S.



WELL WATER PIPING DETAIL

N.T.S.

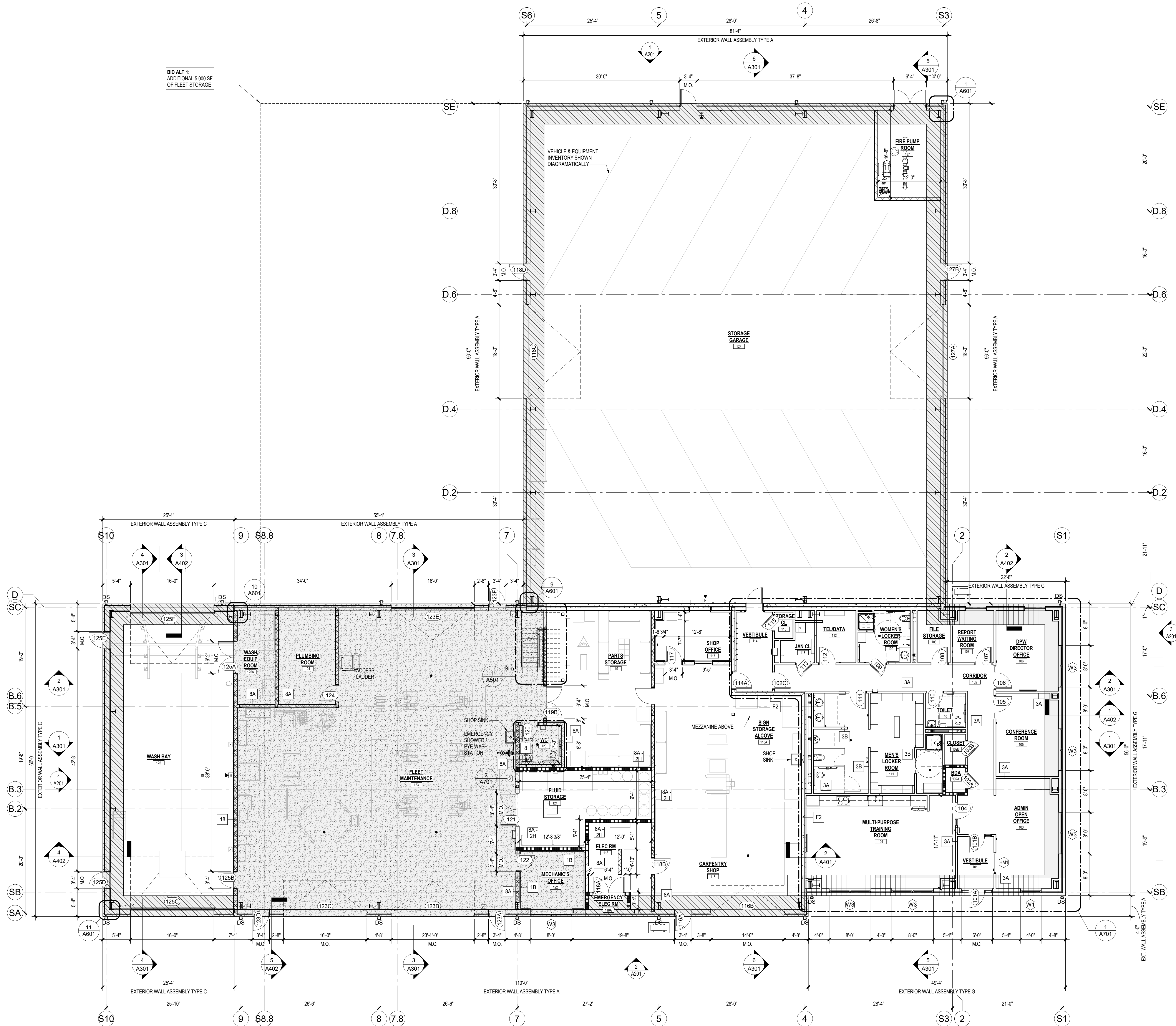


2 WELL PIPE BURIAL DETAIL

SCALE: N.T.S.

No.	Date	Description

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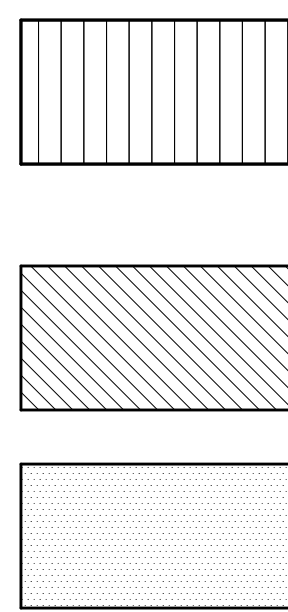
1 FIRST FLOOR PLAN
1/8" = 1'-0"

FLOOR PLAN GENERAL NOTES:

- EQUIPMENT SHOWN FOR REFERENCE ONLY. SEE EQ DRAWINGS FOR MORE INFO.
- FURNITURE SHOWN FOR INFORMATION ONLY (N.I.C.). SEE FURNITURE PLAN A821 FOR MORE INFO.
- F.E. = FIRE EXTINGUISHER
F.E.C. = FIRE EXTINGUISHER CABINET
○ BRACKET MOUNTED
□ CABINET MOUNTED (SEMI-RECESSED)
- ALL INTERIOR DIMENSIONS ARE TAKEN FROM FACE OF GYPSUM WALL BOARD TO FACE OF GYPSUM WALL BOARD OR FACE OF CMU UNLESS SPECIFICALLY NOTED OTHERWISE.
- SEE SHEET A012 FOR PLUMBING FIXTURE SCHEDULE / MOUNTING HEIGHTS.
- BOLLARDS:
 - EB: EXTERIOR BOLLARD, 6" DIAMETER (SEE CIVIL DWGS)
 - IB: INTERIOR BOLLARD, 6" DIAMETER (SEE DETAIL X1/AXXX)
- FUME SEPARATION PARTITION, SEE A031 - FUME SEPARATION ASSEMBLY, TYPE F1 AND F2.
- BOX-OUT DIMENSIONS AT STRUCTURAL COLUMNS ARE APPROXIMATE. GENERAL CONTRACTOR TO INSTALL TIGHT TO STRUCTURE, TYPICAL.
- NOT ALL TV / MONITOR LOCATIONS ARE SHOWN. COORDINATE PROPOSED LOCATIONS WITH ELECTRICAL / TELECOMMUNICATIONS DRAWINGS. PROVIDE BLOCKING AT EACH LOCATION ACCORDINGLY.
- CORNER GUARD, SEE A901 FOR LOCATIONS.

UNDERSLAB RIGID INSULATION LEGEND:

- A) ADMINISTRATION RIGID INSULATION**
- STANDARD COMPRESSIVE STRENGTH - 25 PSI
 - R-10, 4'-0" HORIZONTAL FROM FOUNDATION WALL INWARDS
 - R-15 DOWN TO TOP OF FOOTING ON EXTERIOR SIDE OF FOUNDATION WALL
- B) VEHICLE STORAGE, SHOPS RIGID INSULATION**
- HIGH COMPRESSIVE STRENGTH - 60 PSI
 - R-10, 4'-0" HORIZONTAL FROM FOUNDATION WALLS INWARDS
 - R-15 DOWN TO TOP OF FOOTING ON EXTERIOR SIDE OF FOUNDATION WALL
- C) MAINTENANCE BAY RIGID INSULATION**
- HIGH COMPRESSIVE STRENGTH - 60 PSI
 - COMPLETELY UNDER SLAB
 - R-15 DOWN TO TOP OF FOOTING ON EXTERIOR SIDE OF FOUNDATION WALL
- REFER TO 4.5 & 6 / A612 FOR TYPICAL RADIANT HEATED SLAB VAPOR RETARDER DETAILS



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Revisions:

No.	Date	Description

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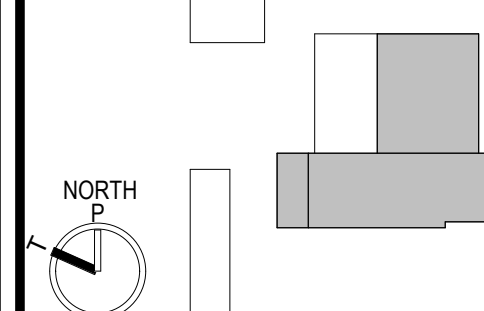
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Issued For:

PRELIMINARY DD
PRICING SET

Scale: 1/8" = 1'-0"

Key Plan:



Date: OCTOBER 3, 2025

Drawn By: MMS

Reviewed By: DRD

Approved By:

W&S Project No.: ENG24-1552

W&S File No.: XXX

Drawing Title:

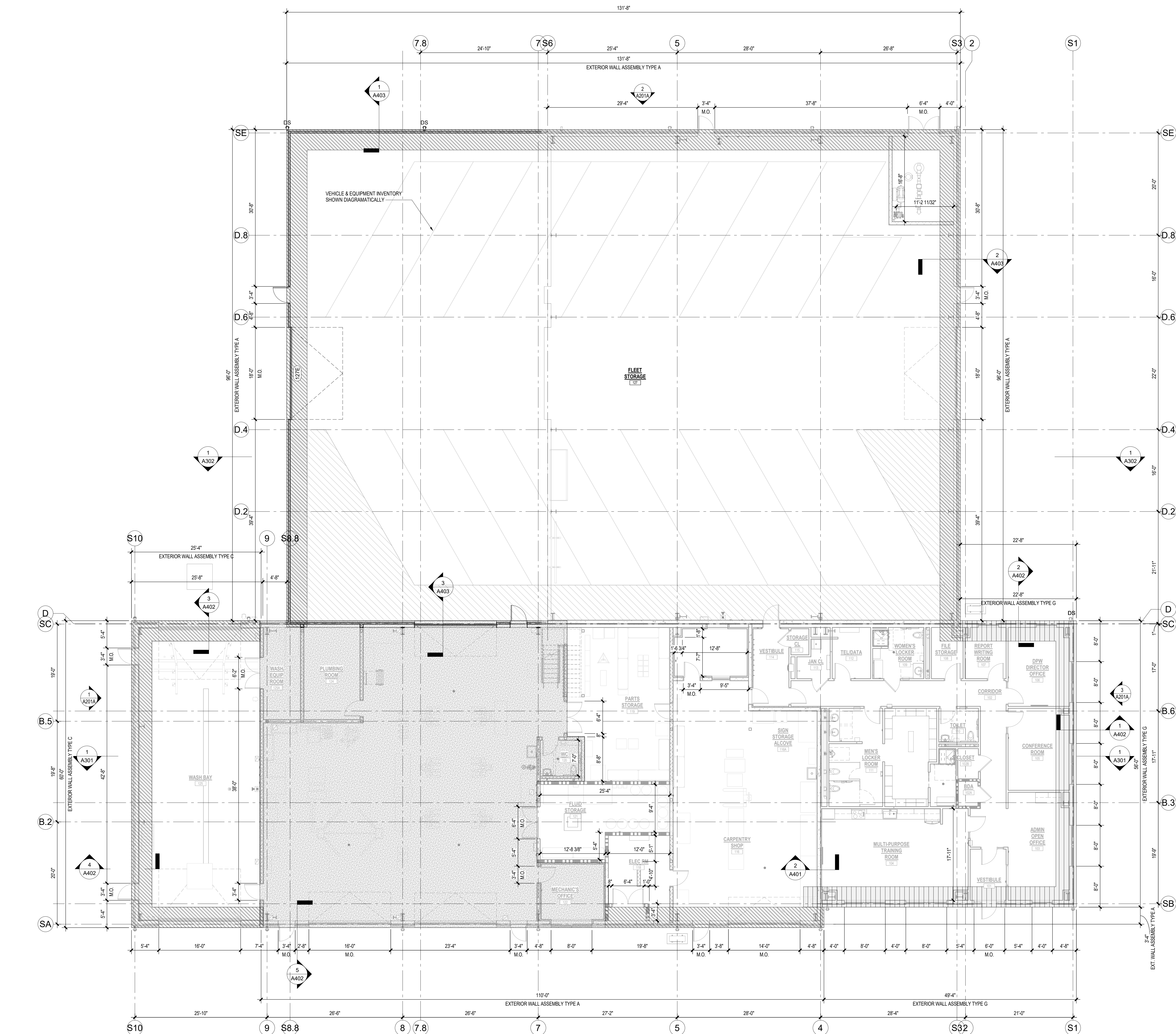
OVERALL FLOOR
PLAN - BASE

Sheet Number:

A101

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SCALE: 1/8" = 1'-0"

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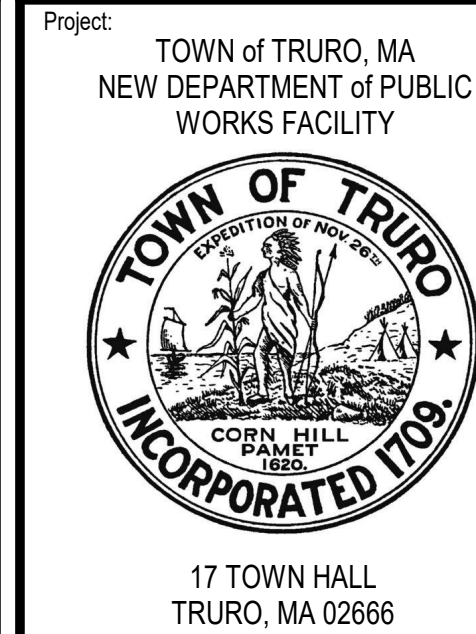
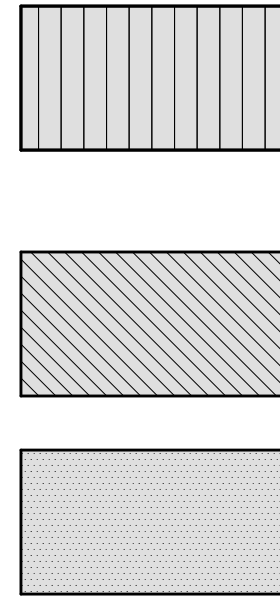
1 FIRST FLOOR PLAN
1/8" = 1'-0" 5/ A106

FLOOR PLAN GENERAL NOTES:

- EQUIPMENT SHOWN FOR REFERENCE ONLY. SEE EQ DRAWINGS FOR MORE INFO.
- FURNITURE SHOWN FOR INFORMATION ONLY (N.I.C.). SEE FURNITURE PLAN A821 FOR MORE INFO.
- F.E. = FIRE EXTINGUISHER
F.E.C. = FIRE EXTINGUISHER CABINET
○ BRACKET MOUNTED
■ CABINET MOUNTED (SEMI-RECESSED)
- ALL INTERIOR DIMENSIONS ARE TAKEN FROM FACE OF GYPSUM WALL BOARD TO FACE OF GYPSUM WALL BOARD OR FACE OF CMU UNLESS SPECIFICALLY NOTED OTHERWISE.
- SEE SHEET A012 FOR PLUMBING FIXTURE SCHEDULE / MOUNTING HEIGHTS.
- BOLLARDS:
 - EB: EXTERIOR BOLLARD, 6" DIAMETER (SEE CIVIL DWGS)
 - IB: INTERIOR BOLLARD, 6" DIAMETER (SEE DETAIL X1/AXXX)
- FUME SEPARATION PARTITION, SEE A031 - FUME SEPARATION ASSEMBLY, TYPE F1 AND F2.
- BOX-OUT DIMENSIONS AT STRUCTURAL COLUMNS ARE APPROXIMATE. GENERAL CONTRACTOR TO INSTALL TIGHT TO STRUCTURE, TYPICAL.
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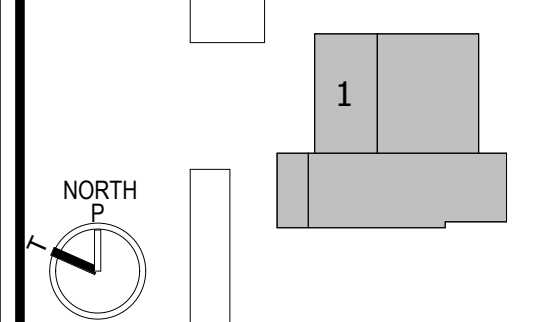
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**PRELIMINARY DD
PRICING SET**

Scale: 1/8" = 1'-0"

Key Plan:



Date: OCTOBER 3, 2025
Drawn By: MMS
Reviewed By: DRD
Approved By: -

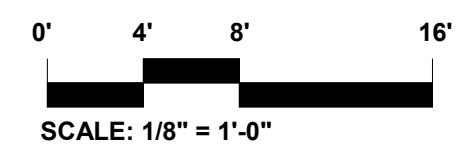
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W&S File No.: XXX

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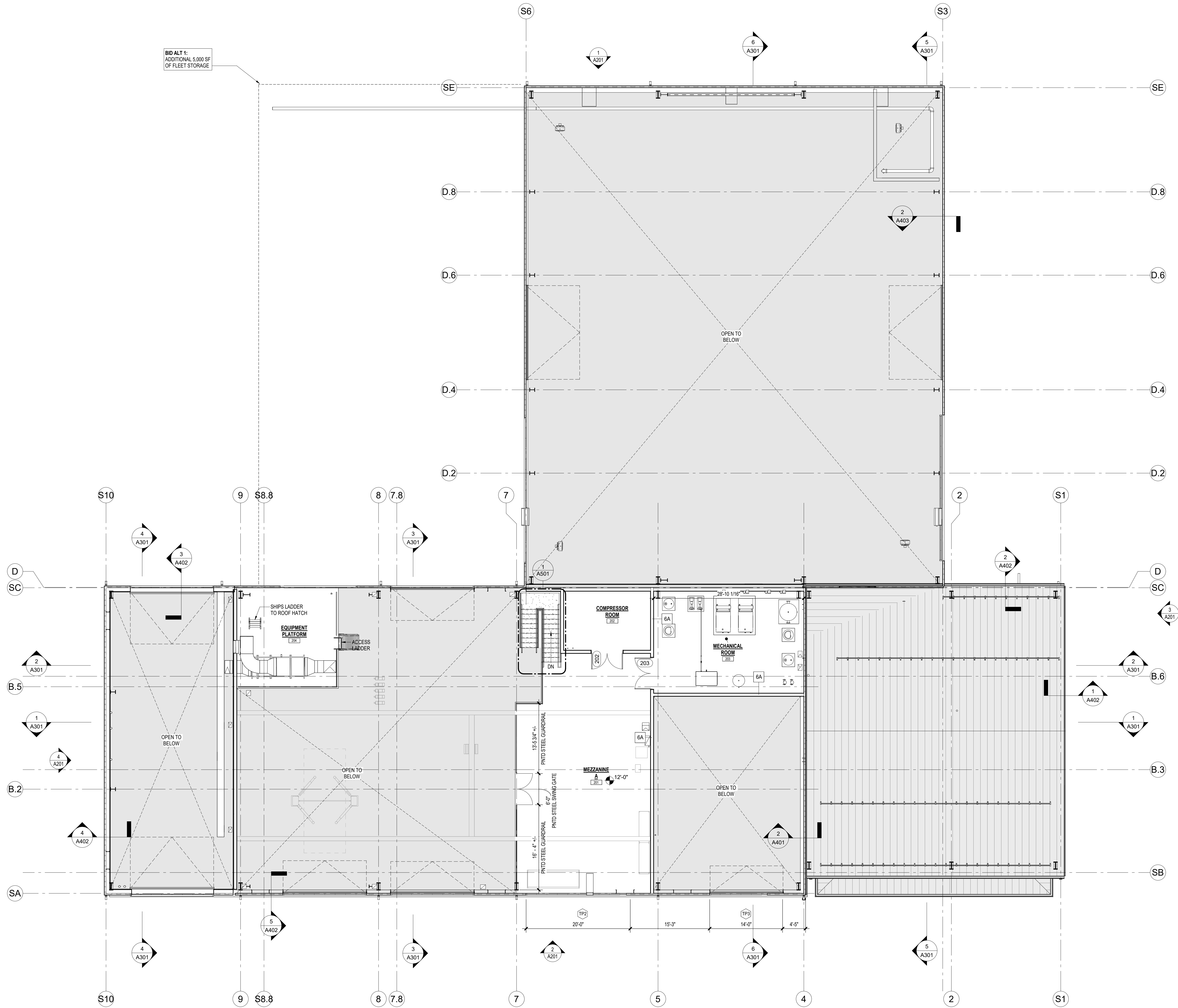
**OVERALL FLOOR
PLAN - BID ALT 1**

Sheet Number:

A101A




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MEZZANINE GENERAL NOTES:

1. AT EACH MEZZANINE SWING GATE LOCATION, PROVIDE 4" H (RED) LETTER SIGNAGE AT MEZZANINE FASCIA TO READ: 200LBS/SF MAXIMUM MEZZANINE LOADING
2. PROVIDE SAFETY CHAIN PER OSHA STANDARDS AT EACH SWING GATE.
3. PROVIDE SAFETY YELLOW PAINT AT MEZZANINE FLOOR AT EACH SWING GATE, AS INDICATED.
4. COORDINATE EXACT LOCATION WITH MECHANICAL, STRUCTURAL AND EQUIPMENT REQUIREMENTS.
5. DO NOT RUN ANY UTILITIES BELOW GATES EXPOSED AND MOUNTED TO WALLS.
6. PROVIDE TIE-OFF POINT FOR OSHA FALL ARREST SYSTEM NEAR MEZZANINE SWING-GATE ON PRIMARY STRUCTURAL ELEMENT.

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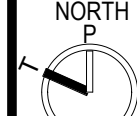
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Issued For:

PRELIMINARY DD
PRICING SET

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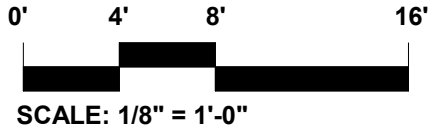


DATE: OCTOBER 3, 2025
DRAWN BY: MMS
REVIEWED BY: DRD
APPROVED BY: -
W&S Project No.: ENG24-1552
W&S File No.: XXX

Drawing Title:

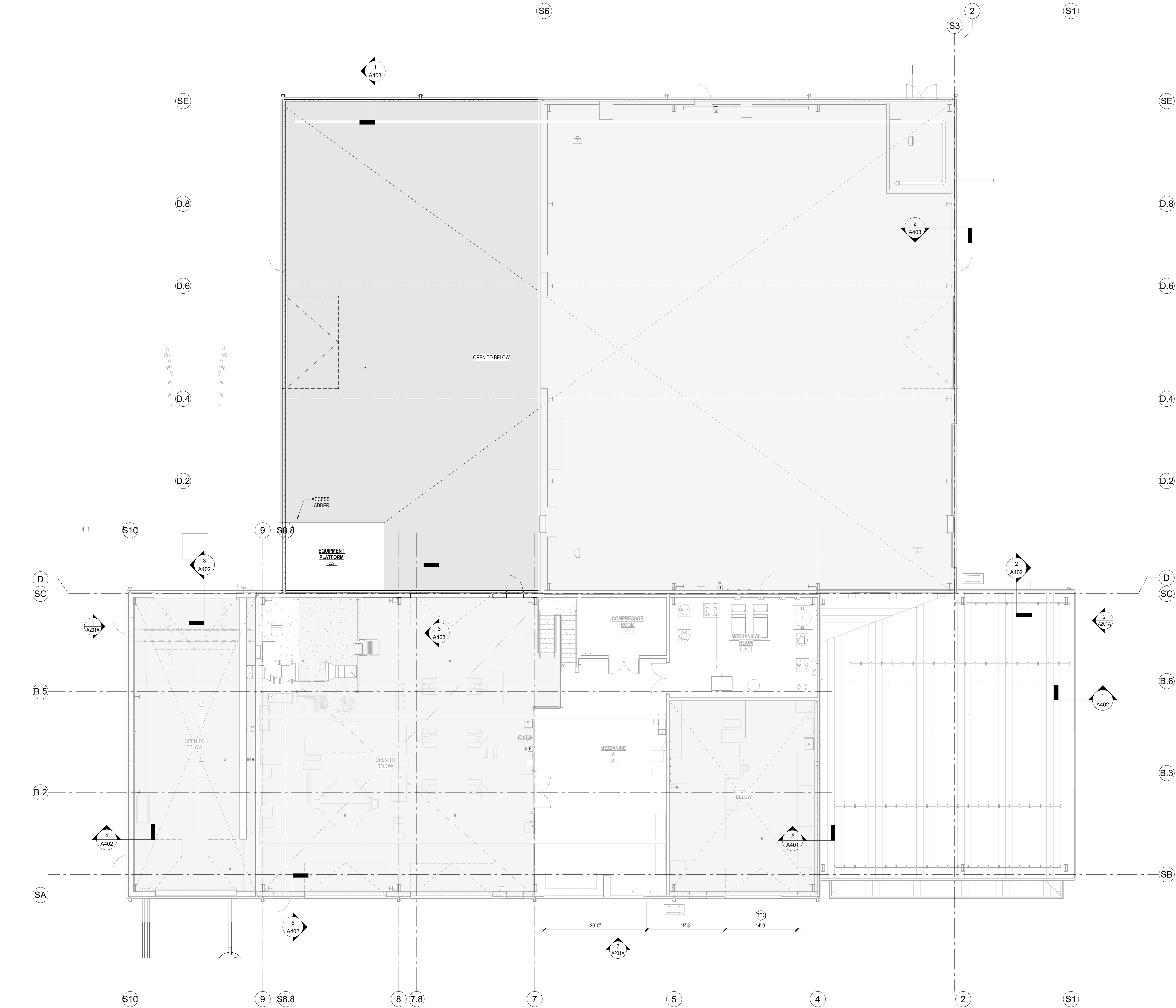
OVERALL MEZZANINE
PLAN - BASE

Sheet Number:



A102

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1 MEZZANINE PLAN
1/8" = 1'-0"
1/ A201

MEZZANINE GENERAL NOTES:

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Revisions:		
No.	Date	Description

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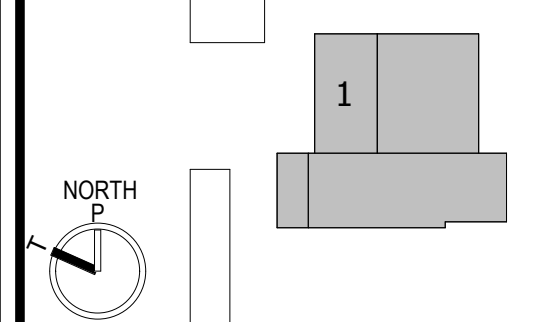
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PRICING SET

Scale: 1/8" = 1'-0"

Key Plan:



Date: OCTOBER 3, 2025
Drawn By: MMS
Reviewed By: DRD
Approved By: -
W&S Project No.: ENG24-1552
W&S File No.: XXX

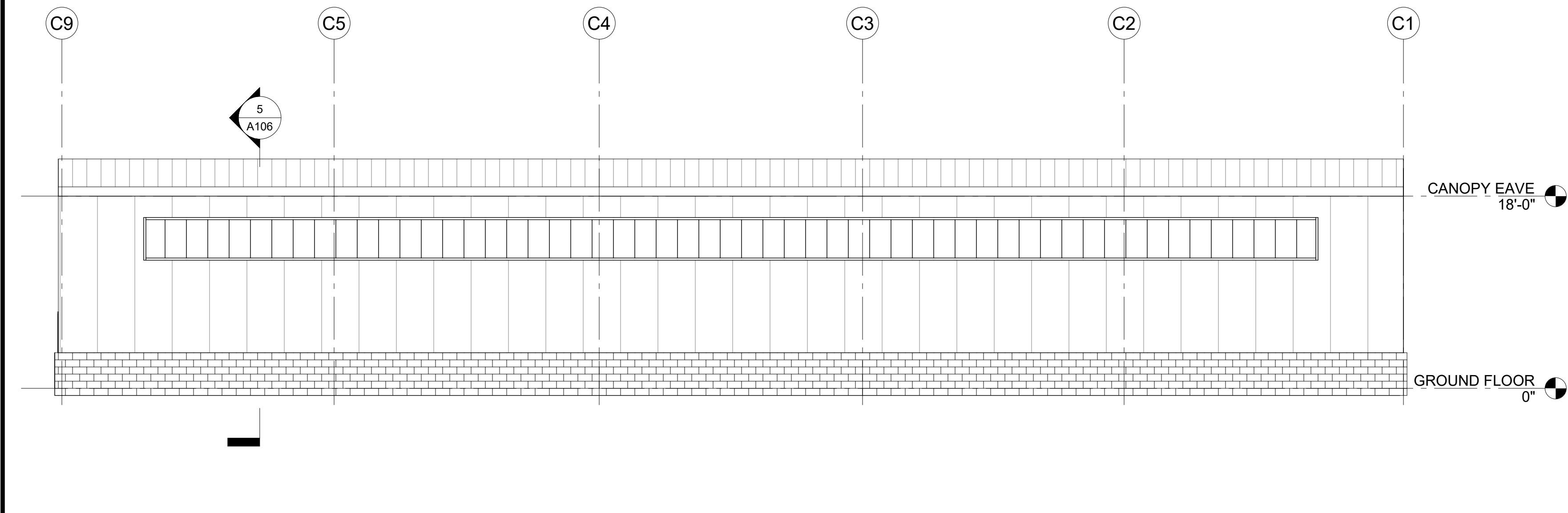
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**OVERALL MEZZANINE
PLAN - BID ALT 1**

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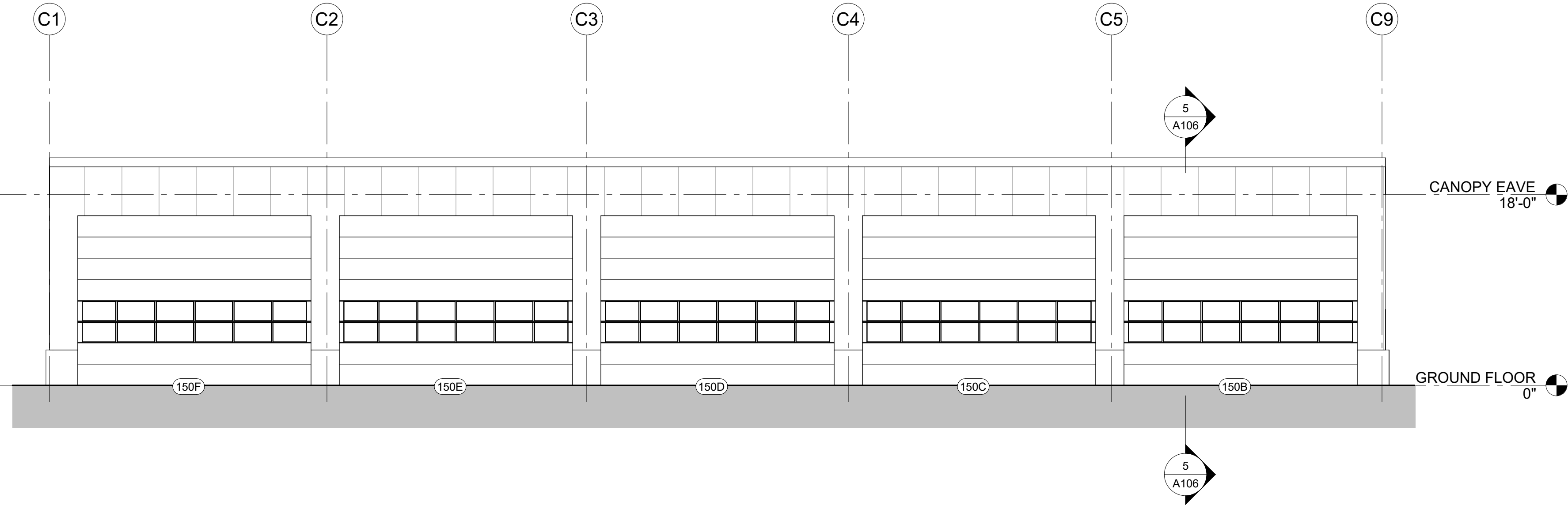
A102A

0' 4' 8' 16'
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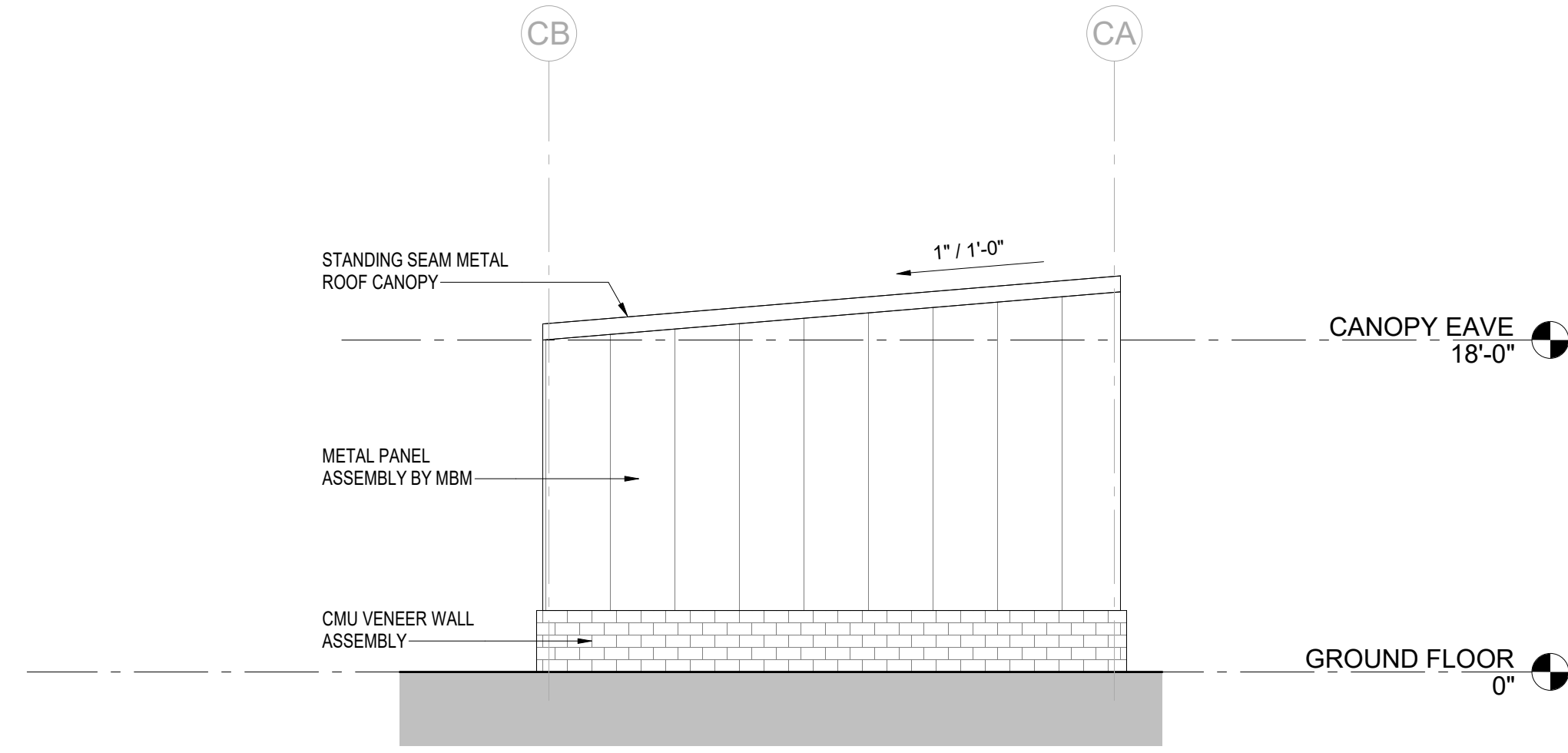
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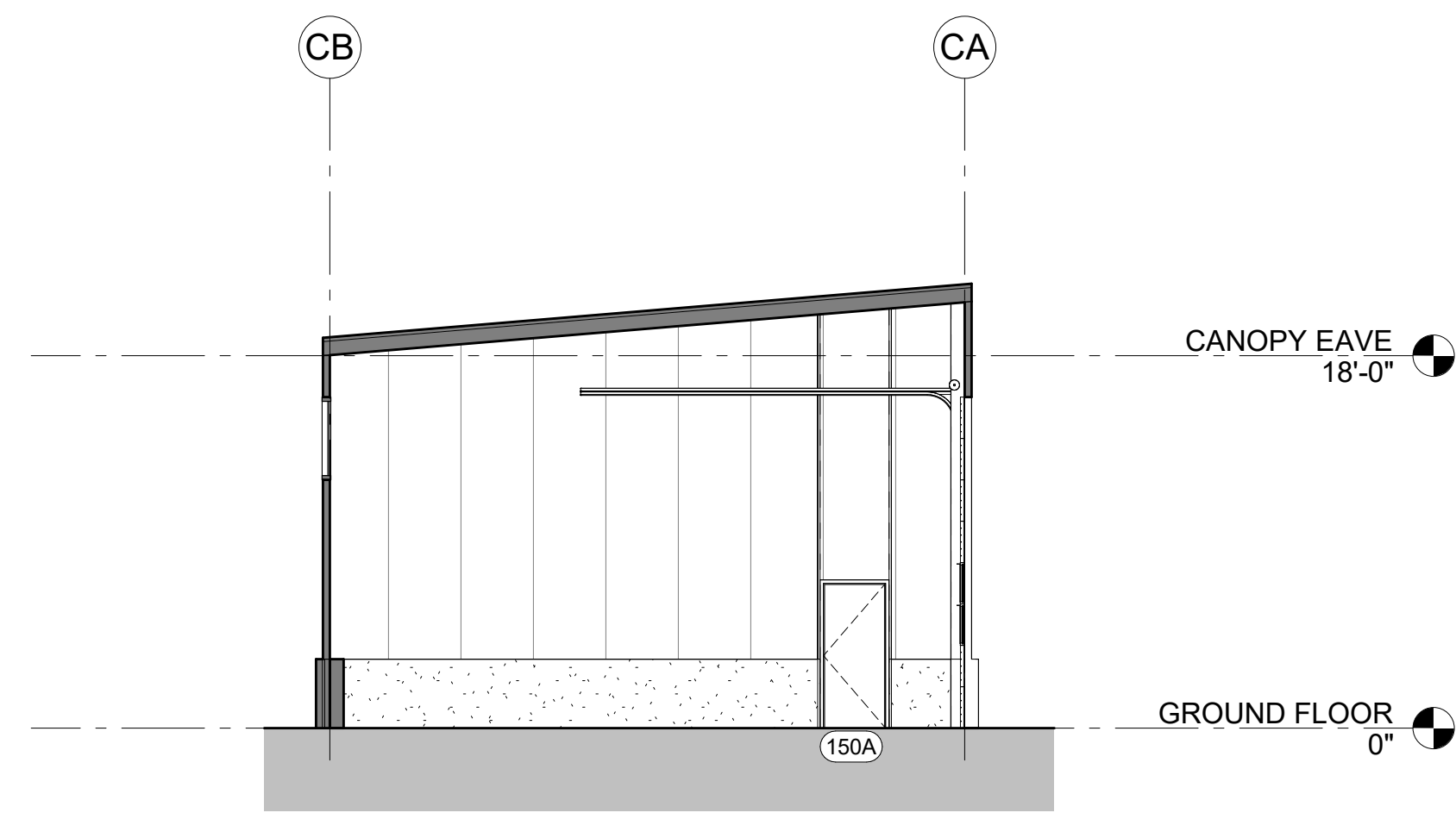
7 NORTH ELEVATION - SECONDARY STORAGE BUILDING
1/8" = 1'-0" 1/ A106



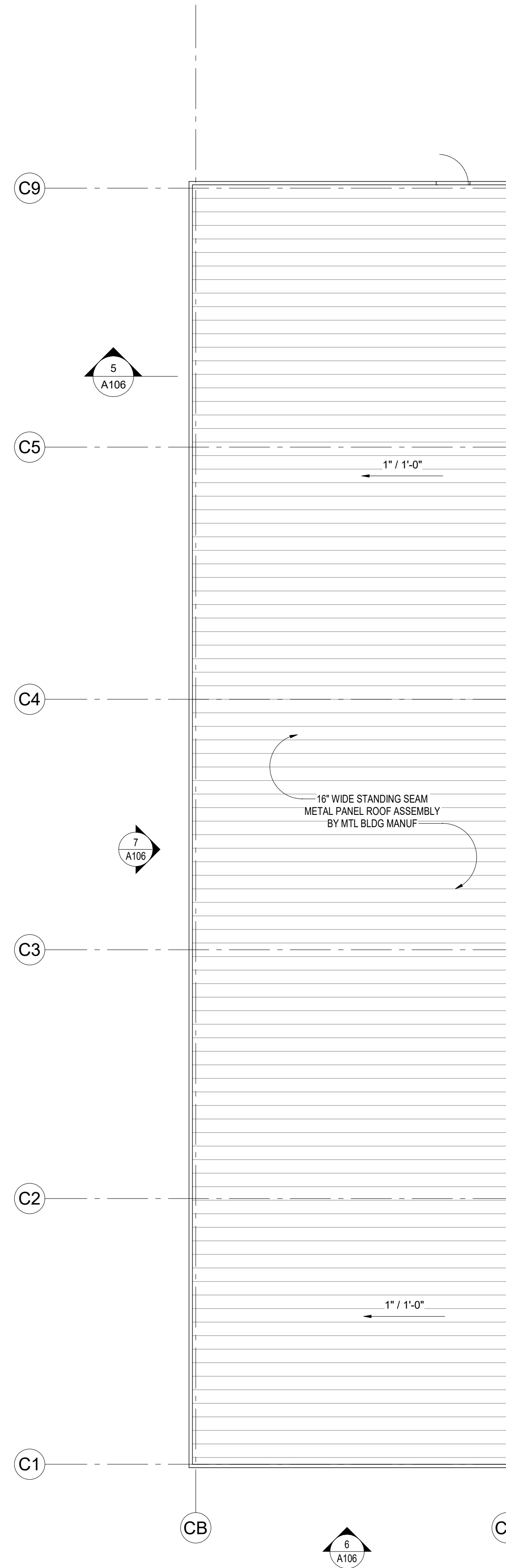
22 SOUTH ELEVATION - SECONDARY STORAGE BUILDING
1/8" = 1'-0" 1/ A106



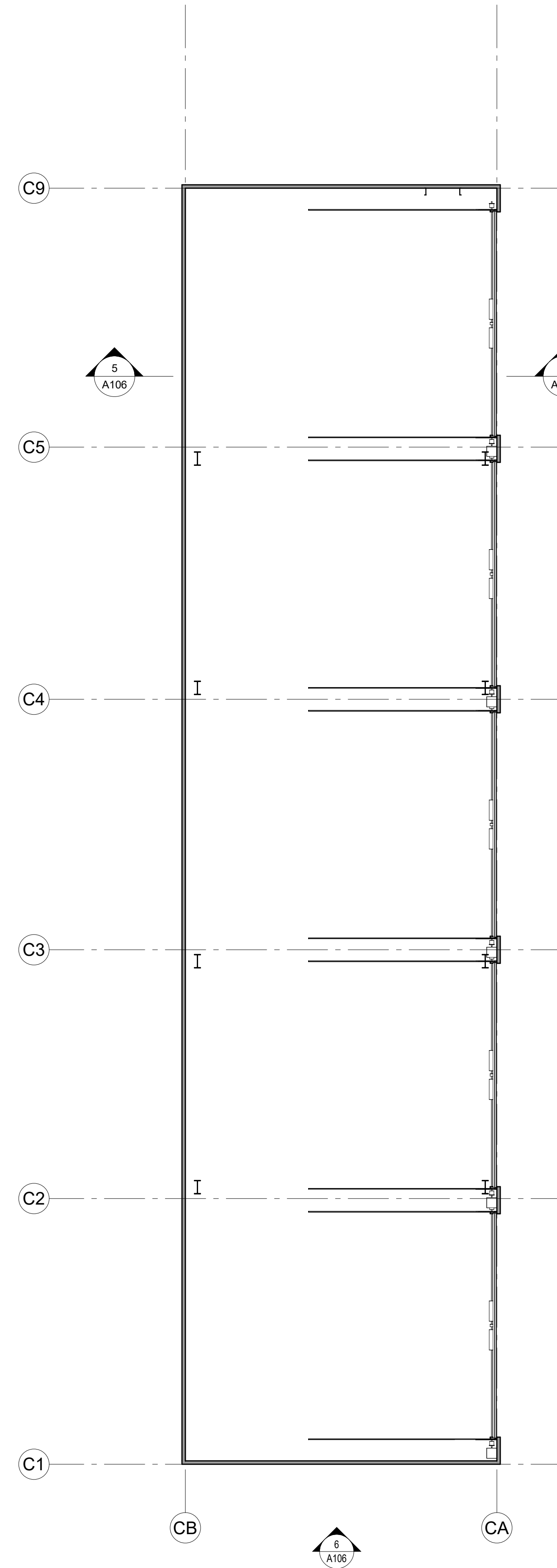
6 WEST ELEVATION - STORAGE CANOPY
1/8" = 1'-0"



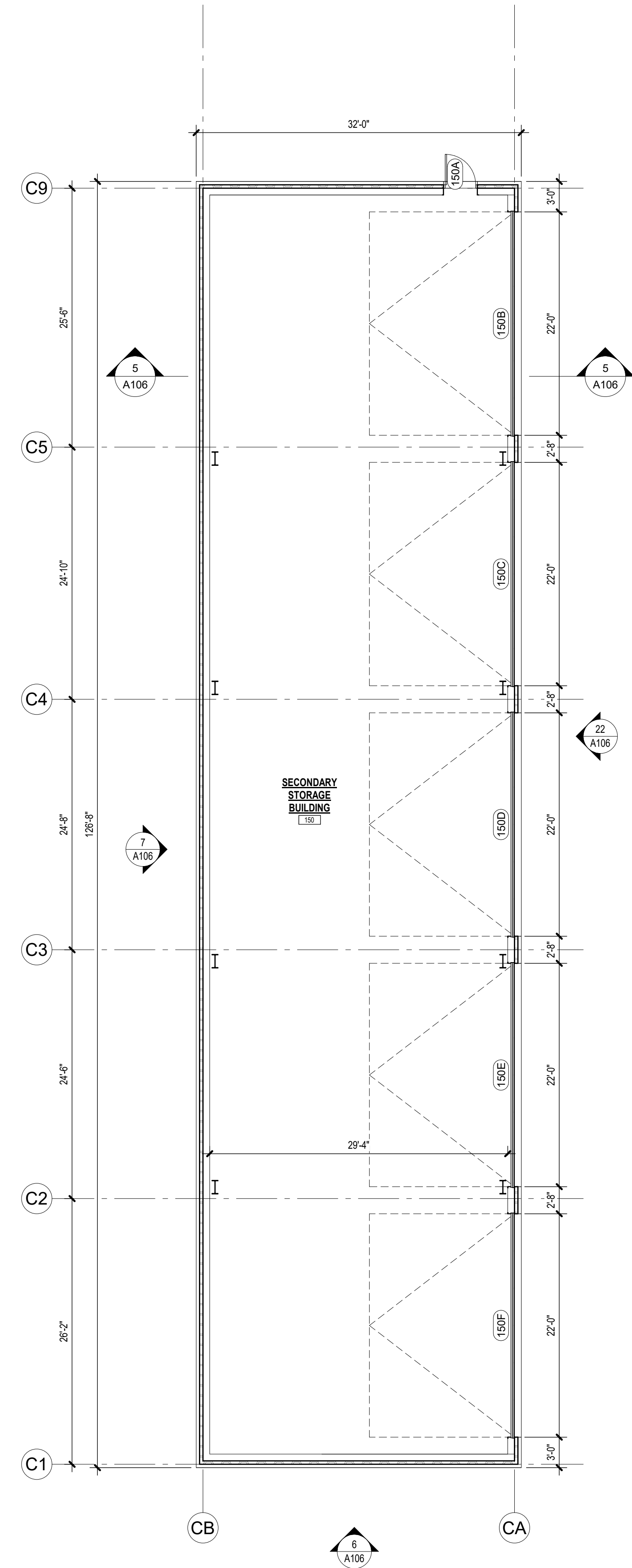
5 BUILDING SECTION - STORAGE CANOPY
1/8" = 1'-0"



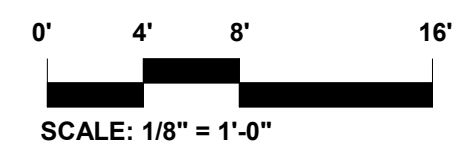
4 ROOF PLAN - STORAGE CANOPY
1/8" = 1'-0"



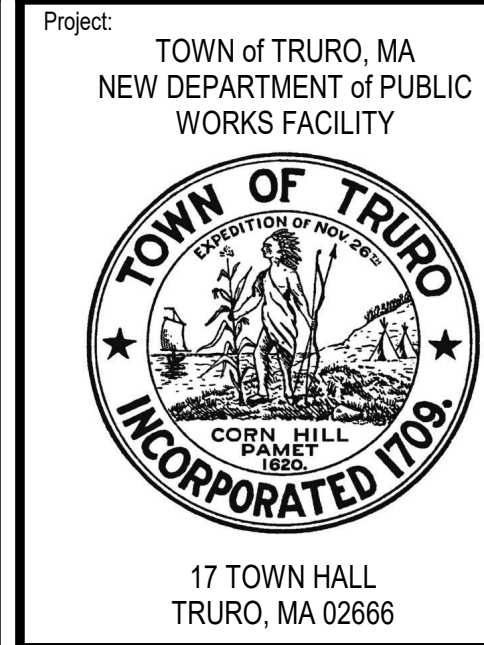
3 RCP - STORAGE CANOPY
1/8" = 1'-0"



1 FLOOR PLAN - STORAGE CANOPY
1/8" = 1'-0"



SCALE: 1/8" = 1'-0"



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No.	Date	Description

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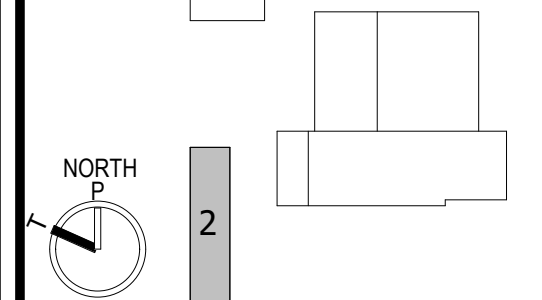
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Scale: 1/8" = 1'-0"

Key Plan:

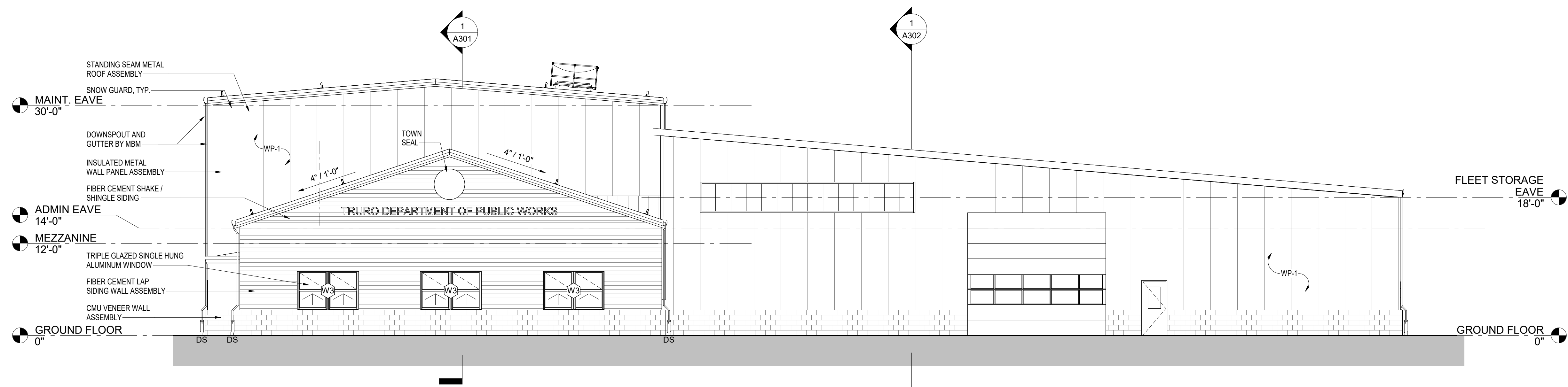


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Drawn By: MMS
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Approved By:
W&S Project No.: ENG24-1552
W&S File No.: XXX

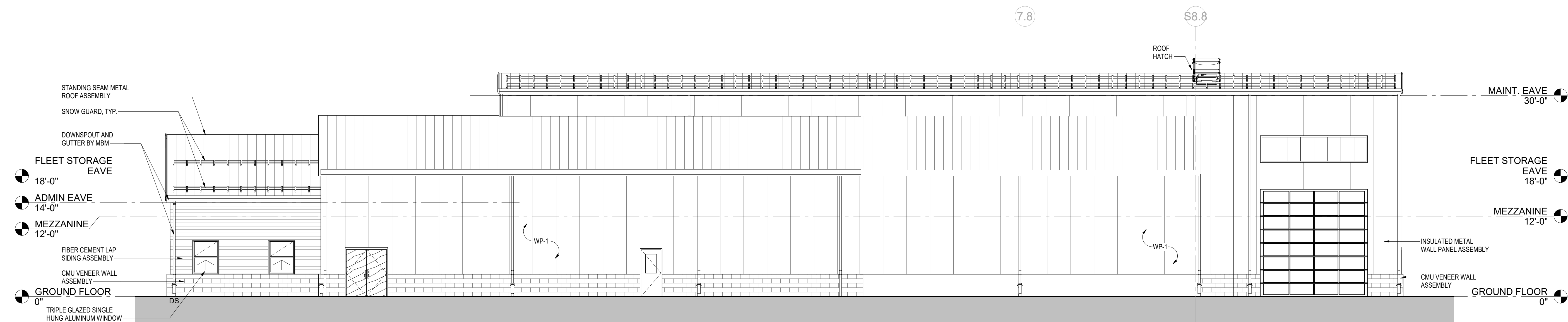
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BID ALT #2 - STORAGE
BUILDING PLANS &
ELEVATIONS

Sheet Number:

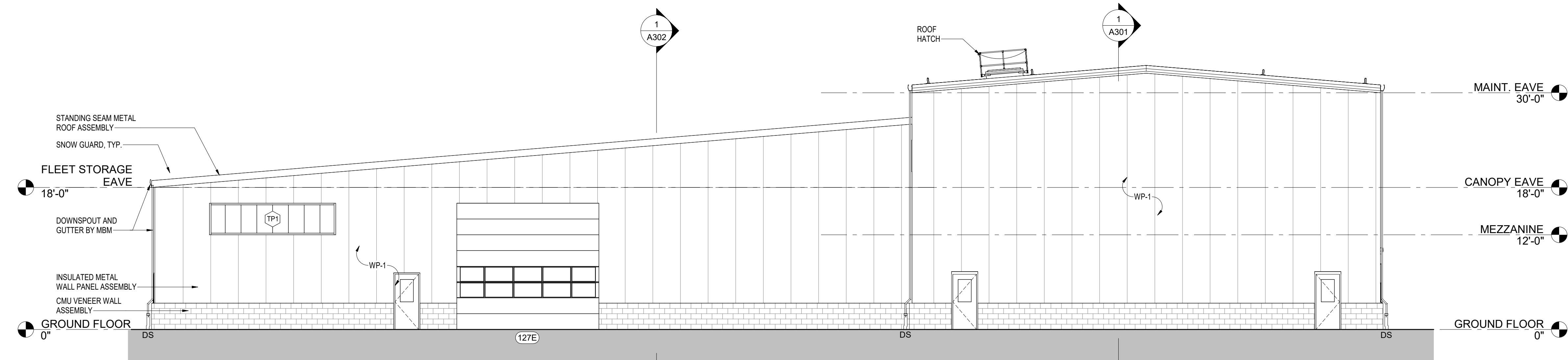
A106



3 SOUTH EXTERIOR ELEVATION - BID ALT 4
1/8" = 1'-0" 1/ A101A



2 EAST EXTERIOR ELEVATION - BID ALT 4
1/8" = 1'-0" 1/ A101A



1 NORTH EXTERIOR ELEVATION - BID ALT 4
1/8" = 1'-0"

WALL PANEL TYPES LEGEND:

EXTENTS OF WALL PANEL - WP-1,
INSULATED METAL WALL PANELS

CMU VENEER LEGEND:

CONTROL JOINT LOCATION
- REFER TO X / AXXX FOR ADDITIONAL INFO

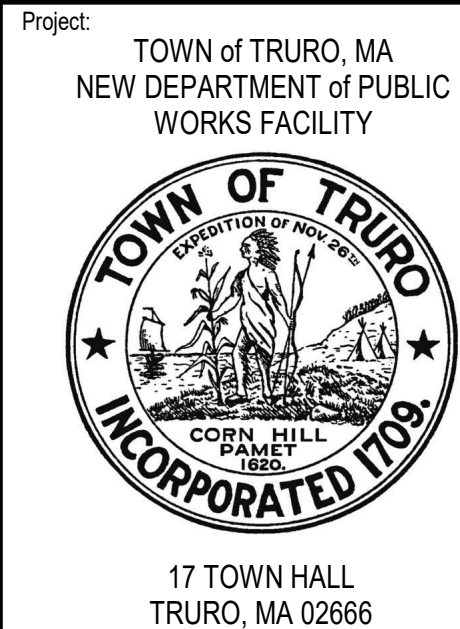
TYPE 1 - STANDARD GROUND FACE MASONRY
BLOCK: 8" X 16"

MINERAL FIBER CEMENT SIDING LEGEND:

FIBER CEMENT SHINGLE /
SHAKE WALL PANEL SIDING

FIBER CEMENT LAP SIDING

NOTES:
1. COORDINATE OPENINGS NOT SHOWN WITH EQUIPMENT AND MEP/FP DRAWINGS.
2. FOR MOCK-UP REQUIREMENTS, SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.



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Revisions:		
No.	Date	Description

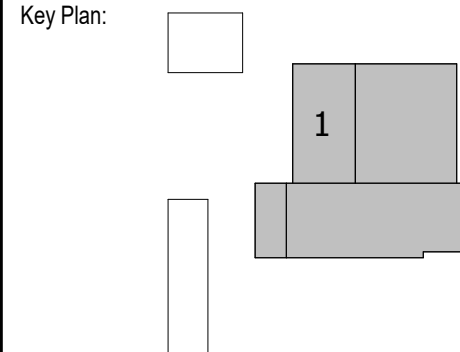
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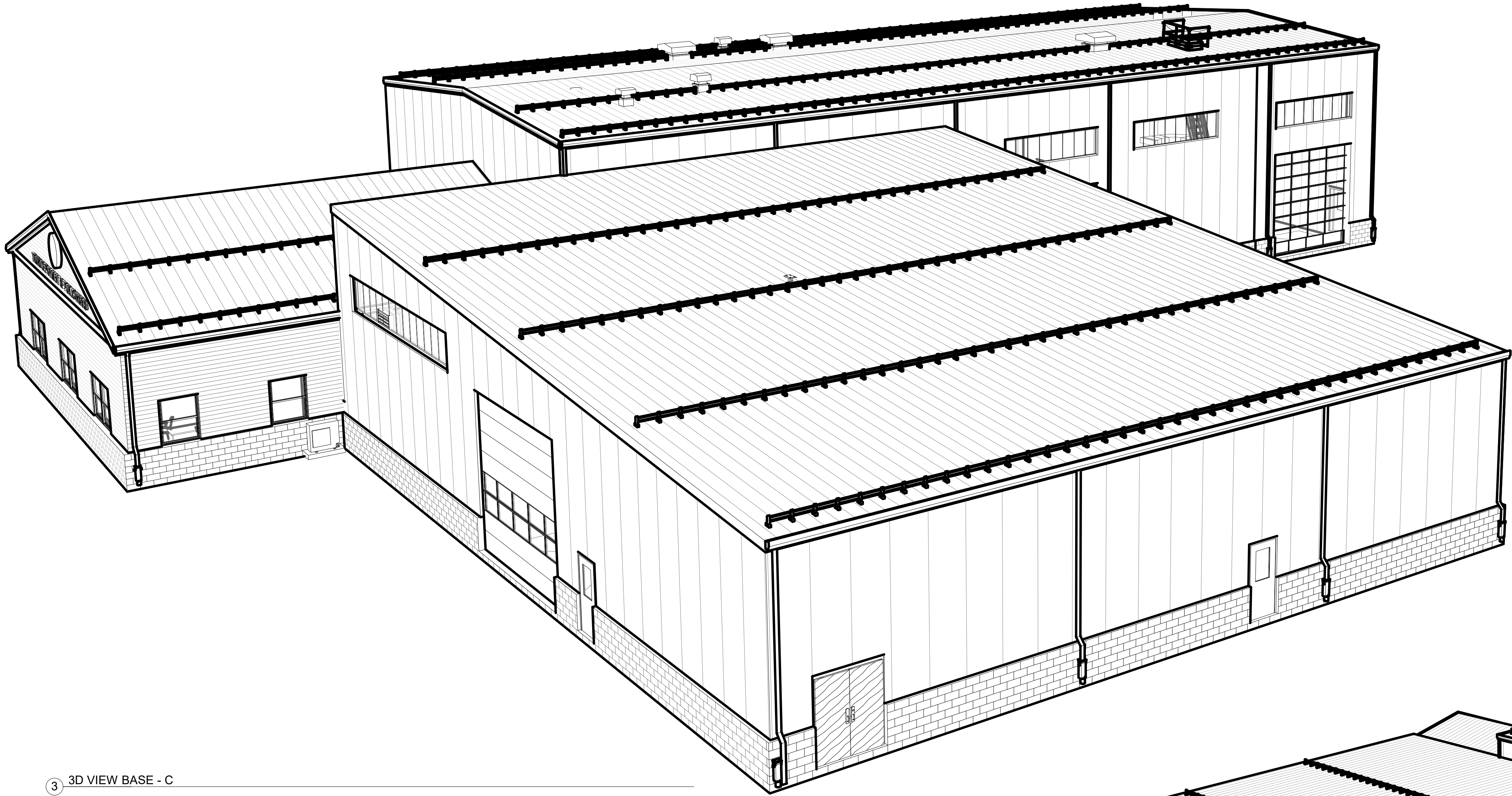
Date: OCTOBER 3, 2025
Drawn By: MMS
Reviewed By: DRD
Approved By: -
W&S Project No.: ENG24-1552
W&S File No.: XXX

Drawing Title:

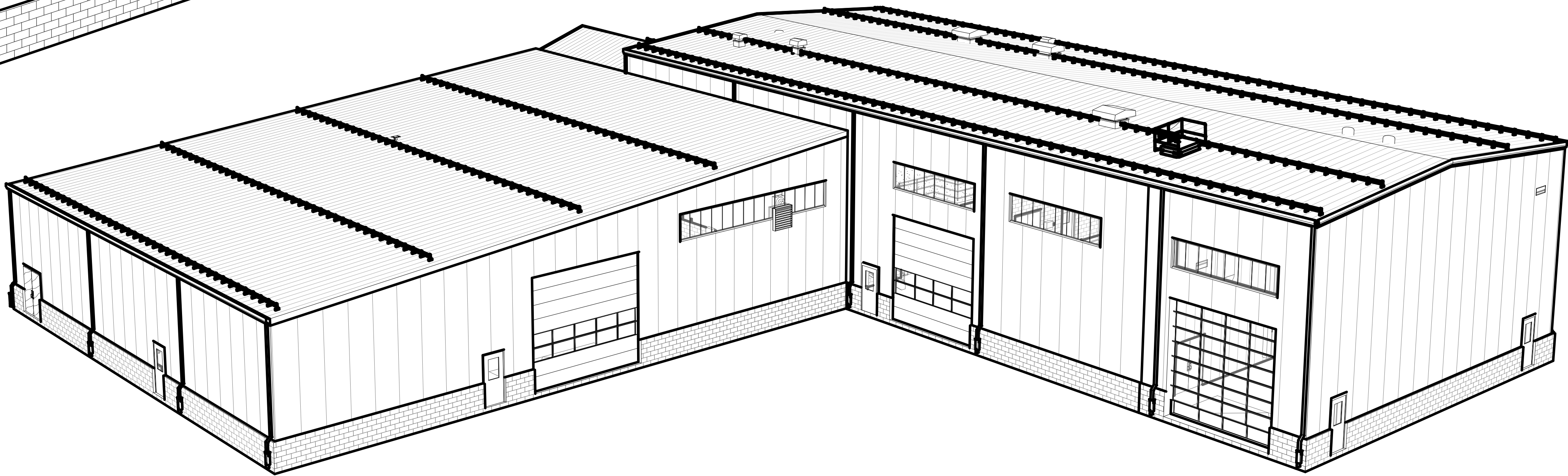
EXTERIOR
ELEVATIONS - BID ALT
1

Sheet Number:

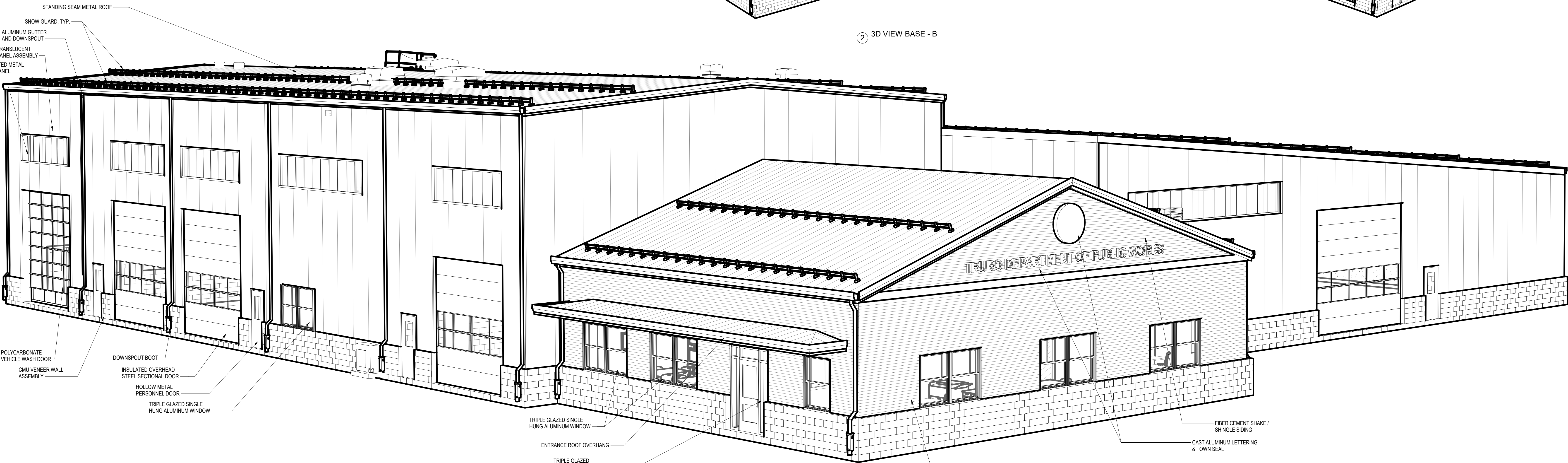
A201A



3D VIEW BASE - C



3D VIEW BASE - B



3D VIEW BASE - A

NOTE: 3D VIEWS ARE PROVIDED FOR REFERENCE ONLY. REFER TO PLANS, ELEVATIONS, SECTIONS, DETAILS AND SCHEDULES FOR BUILDING REQUIREMENTS.

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Revisions:		
No.	Date	Description

No.	Date	Description

COA:

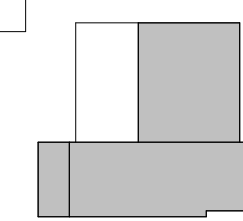
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Scale: NTS

Key Plan:



Date: OCTOBER 3, 2025
Drawn By: MMS
Reviewed By: DRD
Approved By: -
W&S Project No.: ENG24-1552
W&S File No.: XXX

Drawing Title:

EXTERIOR 3D VIEWS -
BASE

Sheet Number:

A231



55 Walkers Brook Drive, Suite 100, Reading, MA 01867
Tel: 978.532.1900

MEMORANDUM

TO: Jarrod Cabral, DPW Director

FROM: Della Donahue

DATE: October 8, 2025

SUBJECT: Truro DPW; Responses to Ad Hoc Building Committee Questions

We have prepared this document in response to questions / requests emailed to us on October 3rd and 7th, 2025.

1. Question: Cost escalation related to a rebid? Cost and the anticipated 4-month delay to re-bid and a possible waiting period for another Town meeting cycle. If there's an amended article lowering the cost and that cost is approved = redesign, bid and contract award how long to award a contract?

Answer: The current project schedule includes bid opening at the end of March.

If the project was to be re-designed and re-bid, we would assume re-bidding in the fall. We would expect the additional time duration would incur 2% escalation, or approximately \$400,000 - \$500,000 to the bid price.

Redesigning would require additional A&E and OPM fees.

It's also worth noting that re-bidding typically does not attract the same number of bidders and therefore pricing is not as competitive as the original bids. It is difficult to quantify how this project could be impacted by this.

2. Question: Cost of inaction? Take the current bid configuration with alternates and calculate out 5 years of escalation and show each year of inaction.

Answer: The construction cost for the current bid configuration including alternates is estimated to cost \$ 26,260,000 if bid in 2026. If bid 5 years out in 2031, we made the assumption that

escalation would add 4% each year, compounding. We estimate that the construction cost for the current bid configuration including alternates would cost \$ 32,387,300 if bid in 2031.

The town may also find that inaction for 5 years will result in some repair/upgrade needs for the existing DPW structures during that time. It is difficult to quantify what those costs may look like.

3. Question: For an electrical fire – Dry suppression system or wet? If dry system, where would it be located in the building, and where is the wet system located?

Answer: The fire suppression system is wet in all areas of the main building except the fleet storage garage. The fleet storage garage is fitted with a dry suppression system. Bid Alt 2, the Cold Storage Building, is currently designed to have no fire suppression system as decided by the Owner, however we will be confirming this decision with the Building Commissioner.

4. Request: Can we get a scaled model of the new facility with the alternates included for outreach purposes?

Answer: Yes, we can develop a scaled model of the proposed facility design. The building components will be 3D printed; the main building will measure roughly 8" x 9". The site will likely be a combination of chipboard and 3D printed layer. This effort will take a few weeks to complete.

5. Request: Can we get a virtual tour of the new facility?

Answer: Yes, we can set up virtual tours via video clips. See link below for an example of one we created for Nantucket. These can be done for the interior spaces and throughout the site.

[New DPW Facility Rendering Flythrough - Exterior and Interior](#)

Can you please confirm that this is what the building committee had in mind? This effort will also take a few weeks to complete. The same individual will be working on both the 3D model and the virtual tour. In discussions with the OPM, we recommend prioritizing the virtual tour effort. If you disagree, let us know.

6. Request: The vehicle maintenance garage will remain and be phased in – DPW will move out of the garage in 7 calendar days once notified by the GC for the project, please adjust the 1.3M cost for phasing. Let me know your thoughts on cost for phasing so I can report out to the Ad Hoc Committee.

Answer: The phased construction schedule would remain the same. The phased schedule already includes an expedited moving process, therefore there are no adjustments to the phased construction costs.

October 13, 2025

DRAFT FOR REVIEW AND COMMENT

=====

TRURO DPW FACILITY:

2018 to 2024

Where are we and how we got here.

The need for a new DPW facility has been studied and restudied since 2018 with the same conclusion. The existing facility simply does not meet the needs of DPW's current operations nor the future needs. The existing buildings are old, tired and inefficient.

The Town hired a professional design consultant (Weston & Sampson, (W&S)) in 2018. W&S prepared a study documenting the condition of the existing buildings and recommended a new facility.

The existing facility is approximately 11,700 sf including the salt/sand barn.

Through a series of space planning reviews and revisions, the size of the facility was reduced from 36,689 sf to 32,487, 29,608, 20,150 and 20,250 sf.

The current plan is the 6th revision since 2019. The space needs are based on a comprehensive review and confirmation of the equipment inventory and personnel space requirements.

Siting

Several sites were examined, and the two preferred sites were 340 Route 6 and the Town Hall Hill site. W&S prepared some updated concepts for the Route 6 site.

The 20,150 sf facility plan at a total cost of \$35M (based on an all-steel building cost of \$28M and \$7M in soft costs) at the Route 6 site was presented at Town meeting in the fall of 2024, and was convincingly defeated. Major concerns were voiced over the impact to the neighborhood, extensive site clearing, and proximity to Public Safety operations. As an alternative, Town meeting ultimately proposed and approved funding of up to \$2.8M for a DPW facility at the Town Hall Hill Site.

In the Fall of 2024, after a procurement process for an Owner's Project Manager, the Town selected Environmental Partners Group, LLC (part of the Apex Companies) to provide project management services. Environmental Partners took a fresh look at the space programming, reviewed prior cost estimates, including the estimate prepared by the

Citizens Public Works Group, and provided several updates to the Ad hoc Building Committee and Select Board.

At the December 10 SB meeting, Environmental Partners provided a summary of their work to date, including reviews of prior cost estimates, and a cost estimate range for the facility, then estimated to range between \$26 and \$30M for a 21,000 sf facility.

At the same meeting, the Total Project Cost (TPC) term was also explained in detail, which includes the construction cost (also known as hard costs), and soft costs (Designer fee, OPM fee, Legal and Administrative fee, Fixtures, Furnishings and Equipment (FF&SE)), and several other significant and important cost elements that were missing from previous estimates, including a premium for energy efficiency to meet the stretch energy code, a premium for construction on the outer Cape, plus inflation or escalation between now and the expected bid date of February 2026, and an additional premium to the mid-point of construction. The TPC is the amount of money that will need to be approved at a subsequent town meeting for the project.

Communication and Presentations

The design team, OPM and DPW have been open and communicative with a variety of committees and boards. To date, the following presentations have been held.

- 2 presentations to the Energy Committee
- 2 presentations to the Select Board
- 1 presentation to the Finance Committee
- 2 separate meetings with the DPW design team and OPM
- 3 presentations to the Ad Hoc committee

Progress since December 2024/January 2025

In December and January, the Ad Hoc Building Committee, W&S, EP and the DPW Director met on an almost weekly basis to confirm the building program, present options for a consolidated layout and a campus layout, including reusing existing buildings on the Town Hall Hill Site. This group's collective work and collaboration was productive, and on February 5, the Ad Hoc Building Committee voted to proceed with the Consolidated Option. This recommendation was brought forward to the Select Board on February 25 and the Board supported the recommendation, and authorized that work on the Schematic Design (SD) phase commence with W&S.

In February 2025, W&S and Environmental Partners prepared separate and independent cost estimates. Environmental Partners' subconsultant cost estimator Costpro prepared detailed cost estimates and also prepared a risk analysis using Monte Carlo simulation to capture the variability of potential costs. The conclusion of this analysis showed that the total project cost for the consolidated option ranged from approximately \$31.3M to \$35.1M, with an average expected value of \$33.2M.

Schematic Design: Spring 2025

W&S worked on the drawings as part of the Schematic Design (SD) phase of the design. The SD drawings were completed in May, and an updated cost estimate. Apex as the project OPM prepared an independent estimate. In summary, the estimates were within 1%.

The TPC is currently \$33M.

In June, the Ad Hoc committee's purpose and role was re-assessed and a new committee was created over the summer.

Energy Efficiency:

W&S evaluated several heating and cooling systems. After presentations to the Ad Hoc Committee, it was decided that a Ground Source Heat Pump system would be pursued. The building envelope will be tightly insulated and the roofs will be solar-ready.

Design Development: Summer 2025.

The Design Development (DD) phase commenced in July and the DD drawings will be available at the end of October. At this time, W&S and Apex are preparing independent estimates based on the updated drawings. These estimates will be ready for review by the end of October, and both estimated will then be reconciled.

Questions and Responses:

Why is this facility needed?

The existing facility is over 30 years old, is well past its useful life, and is not suitable for sustaining DPW operations.

The new facility will provide safety and efficiency for DPW staff and operations.

Is the facility over-designed?

The facility is not over-designed. The buildings will be pre-engineered metal buildings with modest exterior finishes. The primary function of the facility is to provide adequate space for Equipment Storage, Equipment Maintenance and space for Administration personnel.

Can the building be smaller?

The building size (i.e. floor plan area) has been studied, checked and rechecked. The final area of 21,xxx sf is compact with no frills or excess. Reducing the floor plan would require unreasonable cuts in Equipment Storage, Maintenance or Administration spaces.

How much will it cost?

The current TPC is \$35M. This includes contingency and escalation through 2026. Deducting the prior borrowing authorization, the net cost is approximately \$32M.

Using \$32M, the increase in property tax for a house assessed at \$700,000 (to be confirmed) will be \$380 per year.

Will the facility be connected to the Town Offices?

No, the new facility buildings are separate. As part of the project, the water supply well and piping and wastewater systems are being completely replaced and upgraded to current environmental standards.

What is happening between now and Town Meeting in the Spring of 2026?

The design will be completed in February 2026 and the project will be advertised for public bidding. Only pre-qualified contractors and subcontractors are allowed to submit bids.

The bidding period will be approximately six (6) weeks in duration, and the general contractor bids will be received toward the end of March, and will be valid for 60 days.

The TPC will be updated based on the actual lowest and responsive bid, and this TPC will be presented at the Town Meeting for voters.

Where can I learn more about the project and ask questions?

Public education and outreach sessions will be held on a monthly basis starting in November and continuing through March of 2026. These sessions will be held at the xxxx (Library? Confirm) will typically be 1.5 to 2 hours in duration and are intended to be informal and interactive. As a visual aid, the Architect W&S will prepare a video showing the facility and the Storage, Maintenance and Administration areas, and a virtual walk through the interior of the buildings, as well as a drive through around the site.