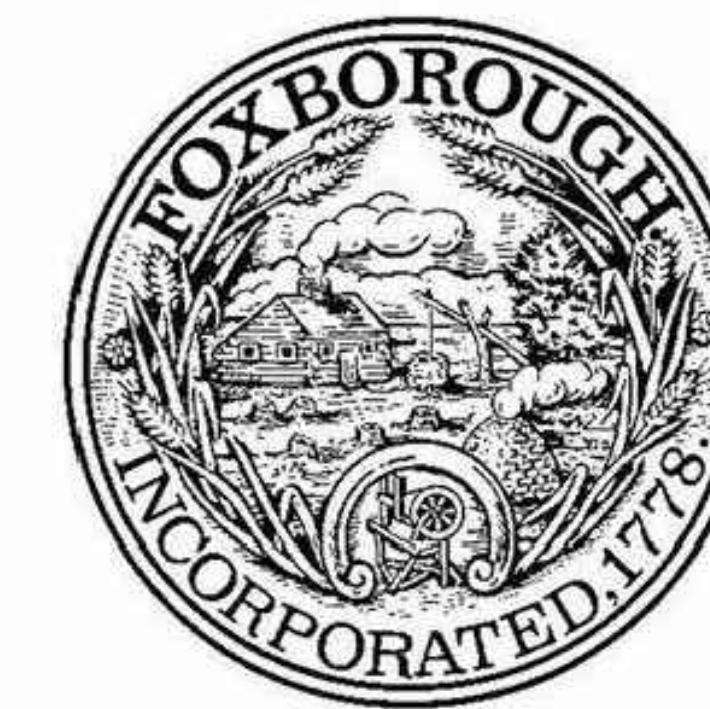


TOWN OF FOXBOROUGH, MASSACHUSETTS

PUBLIC WORKS FACILITY ADDITION AND RENOVATION



SITE PLAN REVIEW

**70 ELM STREET, FOXBOROUGH, MA
MAP 107, PARCEL 107-036-000**

APPLICANT:

TOWN OF FOXBOROUGH
70 ELM STREET
FOXBOROUGH, MA 02035

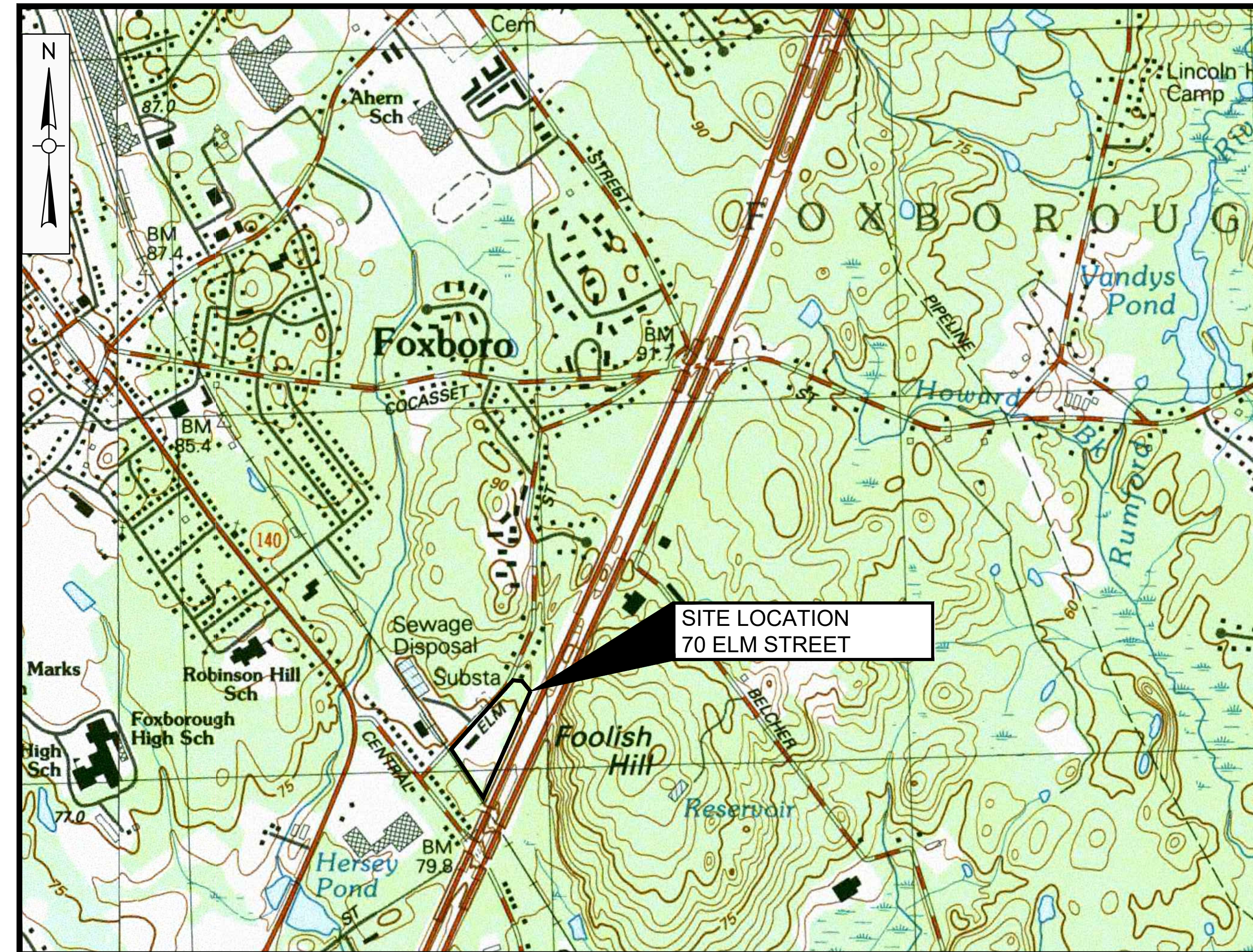
CONTACT:

CHRISTOPHER GALLAGHER, DPW DIRECTOR
CGALLAGHER@FOXBOROUGHMA.GOV
(781)389-6139

FEBRUARY 1, 2024

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100 Foxborough Boulevard, Suite 250
Foxborough, MA 02035



LOCUS MAP
SCALE: 1" = 250'

DRAWING INDEX

SHEET NO.	DRAWING NO.	TITLE
1	C000	COVER SHEET
2	C001	GENERAL NOTES
3	C101	SITE PREPARATION, EROSION CONTROL AND DEMOLITION PLAN
4	C200	LAYOUT AND MATERIALS PLAN
5	C300	GRADING & DRAINAGE PLAN
6	C400	UTILITY PLAN
7	C501	CIVIL DETAILS 1
8	C502	CIVIL DETAILS 2
9	C503	CIVIL DETAILS 3
10	C504	CIVIL DETAILS 4
11	C505	CIVIL DETAILS 5
12	C506	CIVIL DETAILS 6
13	L100	PLANTING PLAN
14	A1.01	OVERALL FLOOR PLAN
15	A1.03	OVERALL MEZZANINE PLAN
16	A2.01	OVERALL ELEVATIONS
17	A3.01	3D VIEWS
18		EXISTING CONDITIONS PLAN (BY OUTBACK ENGINEERING)

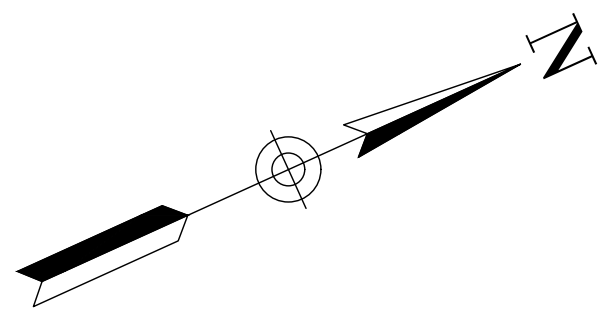
ZONING DISTRICT:

LIMITED INDUSTRY (LI)

DIMENSION	Required	Proposed
Min. Lot Frontage (ft.)	50	832.3
Min. Front Yard (ft.)	50	88.66 - Building
		42.5 - Fuel Canopy**
Min. Side Yard (ft.)	25	36.9-Ex. Admin Building
		10.1- Exist Shed*
Min. Rear Yard (ft.)	50	77.3 - DPW Building
		42.0 - Exist Storage Building*
Maximum Lot Coverage (%)	70	73.8**
Min. Lot Width (ft.)	34	906.8
Building Height (ft.)	40	31.6

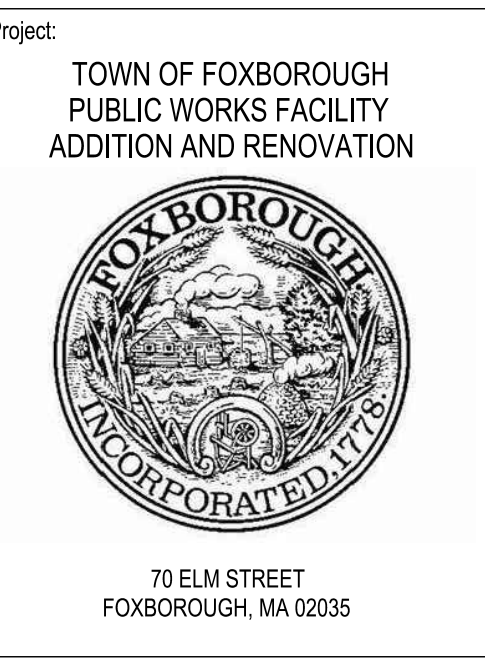
*Existing Non-Conforming to remain

** Variance Required



- SITE PREPARATION LEGEND**
- STABILIZED TEMPORARY CONSTRUCTION ENTRANCE
 - STRUCTURES TO BE DEMOLISHED OR REMOVED FROM SITE. INCLUDES REMOVAL OF FOUNDATION WALLS AND SUBGRADE STRUCTURES TO 4" BELOW FINAL GRADE.
 - EXISTING BUILDING/STRUCTURE TO REMAIN
 - PAVEMENT TO BE REMOVED
 - CLEAR & GRUB
 - COMPOST FILTER TUBES
 - LIMIT OF WORK
 - INLET PROTECTION

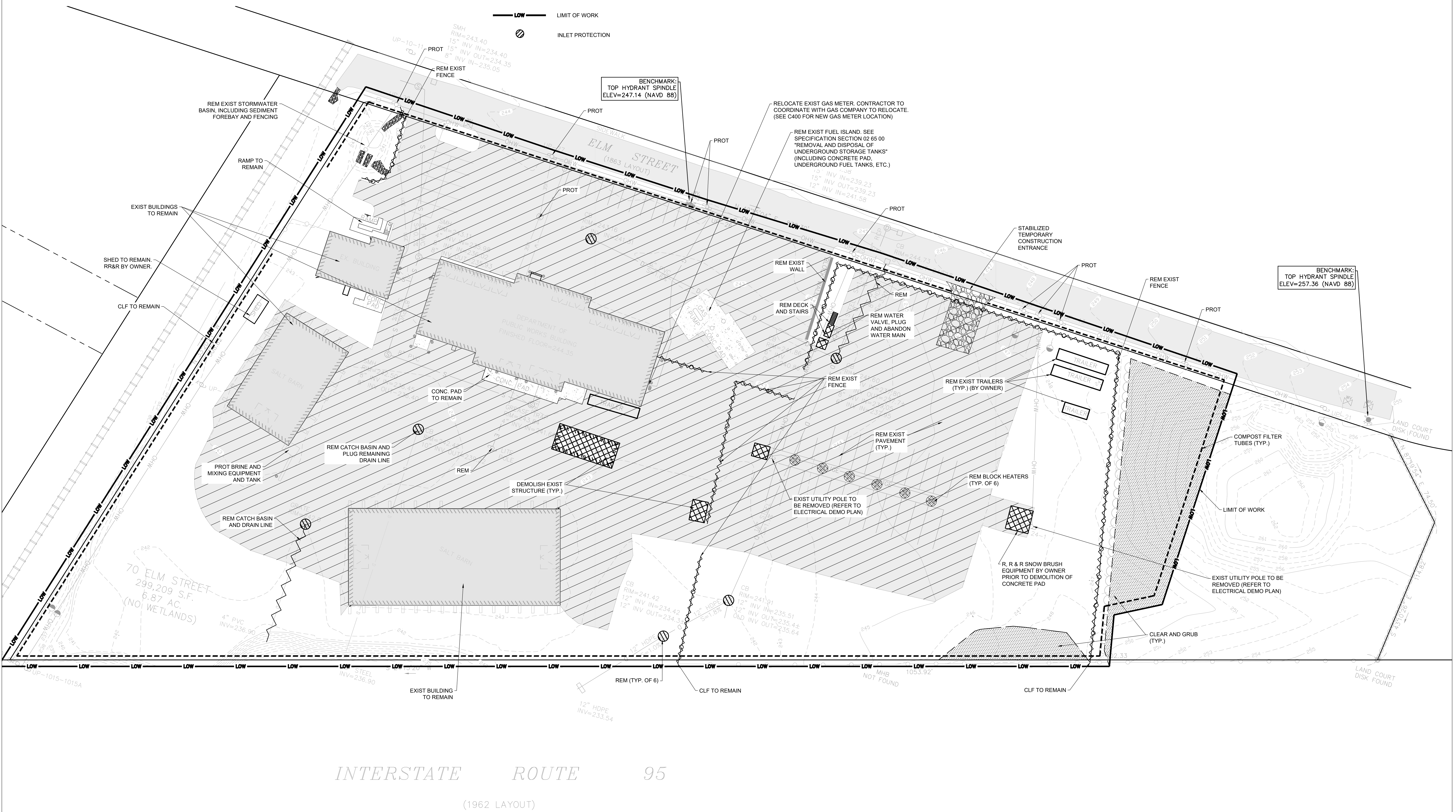
- SITE NOTES:**
- ALL EXISTING PIPES TO BE ABANDONED SHALL BE DONE IN ACCORDANCE WITH SPECIFICATION SECTION 02 41 13.29 "ABANDONMENT OF SEWER AND DRAINS."
 - ALL PROPOSED REMOVAL OF EXISTING UTILITIES AND ASSOCIATED PIPES, STRUCTURES, OBSERVATION WELLS, ETC. SHALL BE ABANDONED AS REQUIRED TO COMPLETE THE WORK AS SHOWN ON THE PLANS UNLESS OTHERWISE NOTED.
 - CONTRACTOR SHALL COORDINATE REMOVAL OF MATERIAL STOCKPILES WITH THE FOXBOROUGH 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.
 - 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.
 - ANY STRUCTURAL BACKFILL EXCAVATED UNDER THIS CONTRACT SHALL BE KEPT SEPARATE FROM OTHER SOILS AND REUSED ON SITE, AS MUCH AS POSSIBLE.
 - 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, AND APPROVAL IS GRANTED BY THE TOWN OF FOXBOROUGH CONSERVATION COMMISSION/DEPARTMENT, ANY SEDIMENTATION CONTROL DEVICES MUST BE REMOVED BY THE CONTRACTOR AS SOON AS POSSIBLE.



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No.	Date	Description



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No.	Date	Description

Seal:

 1-31-24

Issued For:
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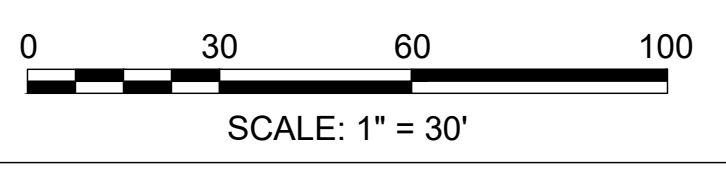
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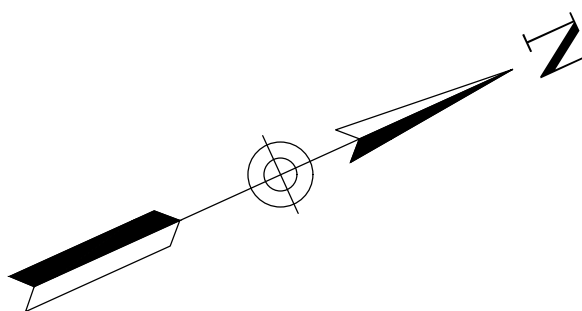
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 Reviewed By: EC
 Approved By: AKP
 W&S Project No.: ENG22-0799
 W&S File No.: --

Drawing Title:
SITE PREPARATION, EROSION CONTROL & DEMOLITION PLAN

Sheet Number:
C101

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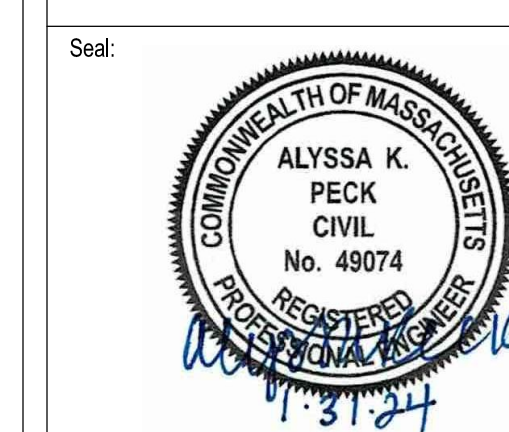




Revisions:

No.	Date	Description

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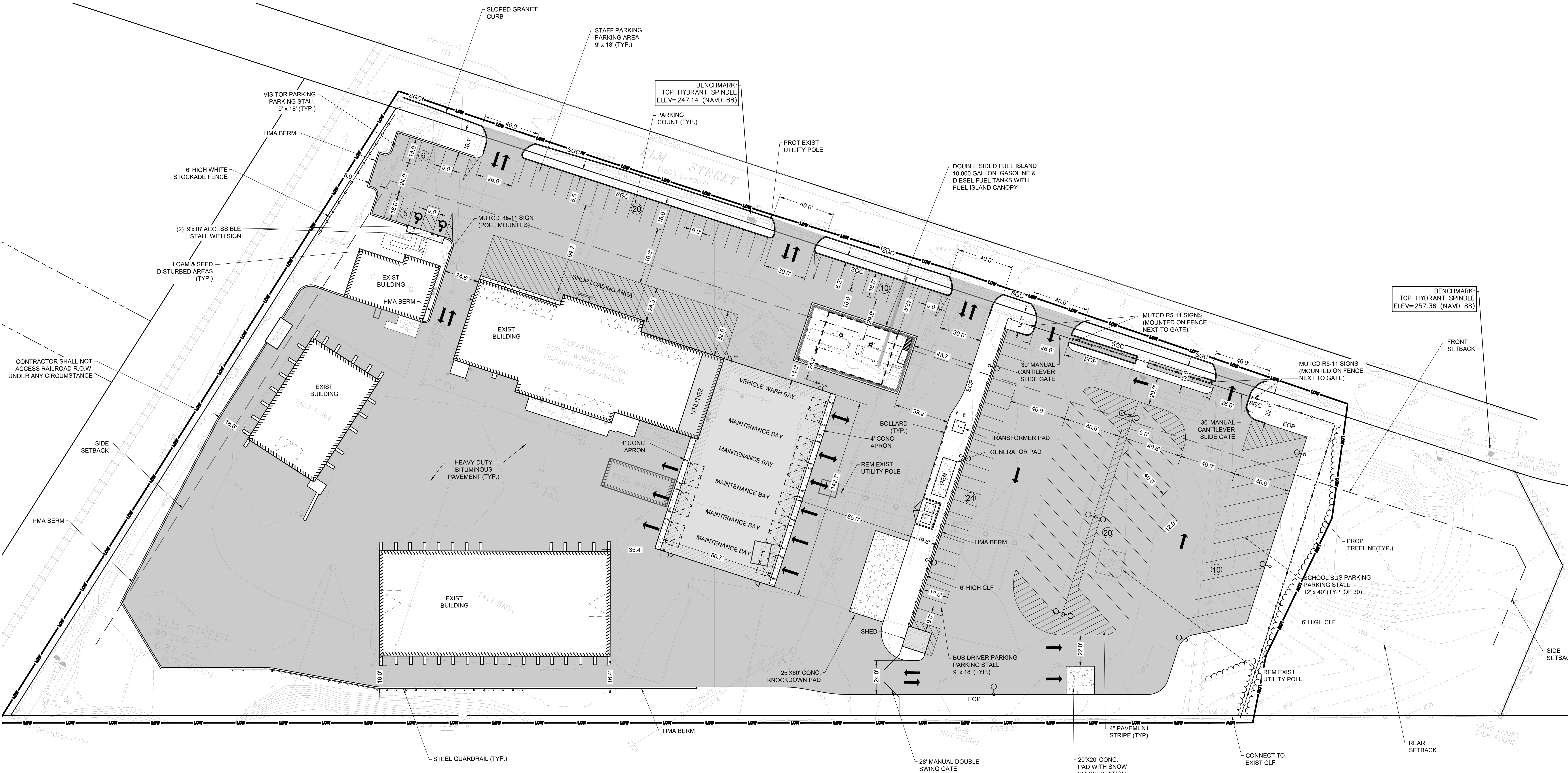
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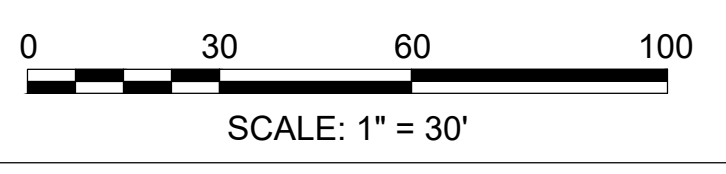
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Approved By: AKP
W&S Project No.: ENG22-0799
W&S File No.: --

Drawing Title:
LAYOUT & MATERIALS PLAN

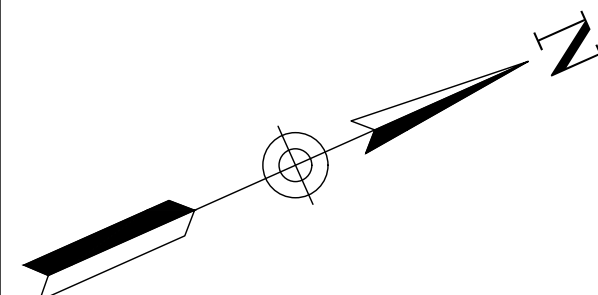
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INTERSTATE ROUTE 95
(1962 LAYOUT)



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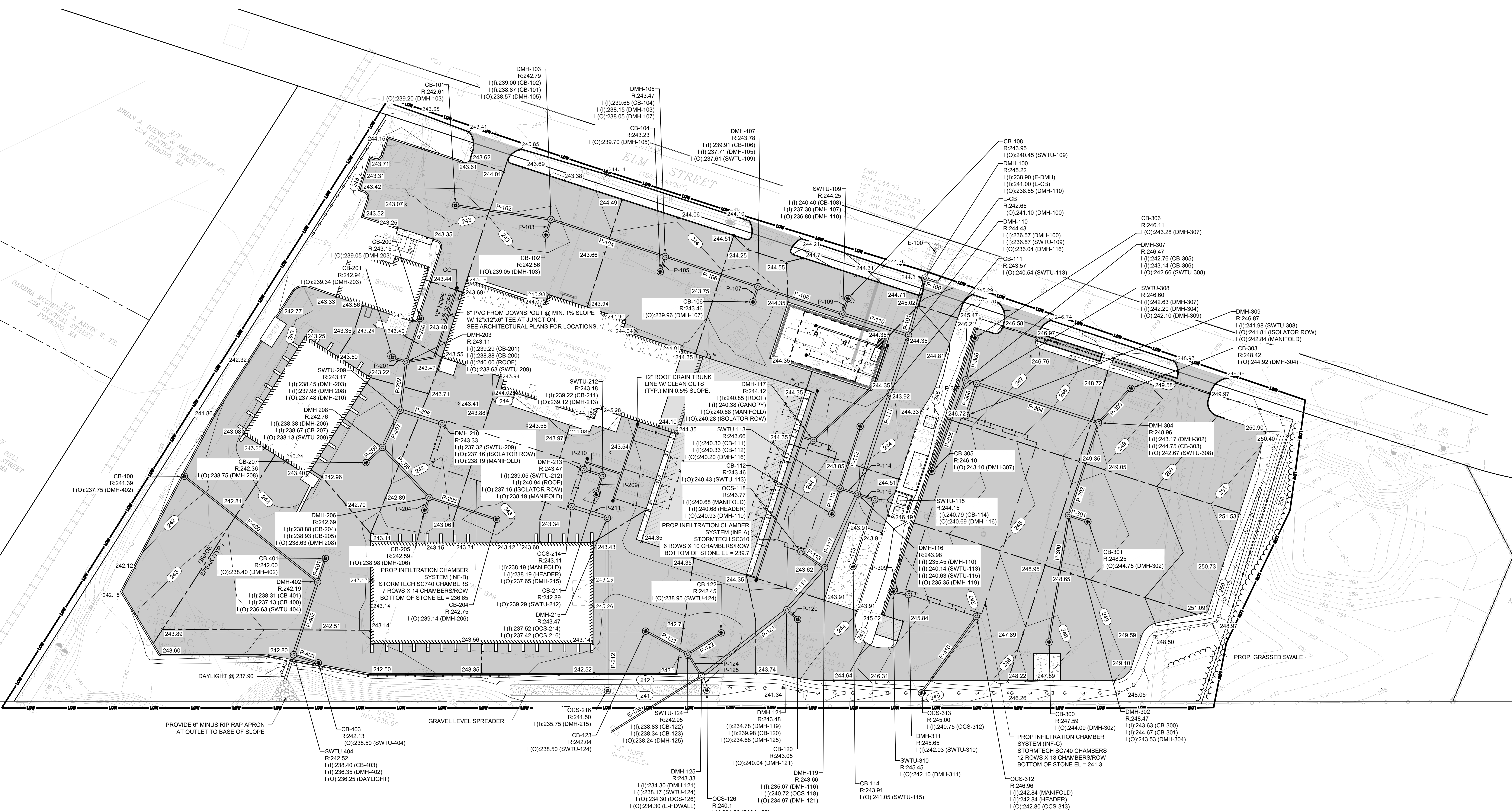
NOTES:

- ALL EXISTING EARTHWORK MATERIALS MAY BE INCORPORATED IN THE WORK AND USED FOR BACKFILL IF MATERIALS MEET 31 00 00 EARTHWORK SPECIFICATION REQUIREMENTS. 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.
- UNLESS OTHERWISE NOTED, ALL DRAIN MANHOLES SHALL BE 4' DIAMETER.
- ALL RIM ELEVATIONS SHALL BE FLUSH WITH FINISH GRADE.
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES, WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK. THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.
- DUMPSTER PADS SHALL SLOPE AT A MINIMUM 2% INTO THE PAVED AREA.
- ALL CATCH BASINS SHALL BE SET FLUSH AGAINST THE GRANITE CURBING.
- EROSION CONTROL FABRIC SHALL BE USED FOR ALL SLOPES 3:1 OR STEEPER PER 32 91 19 LOAMING AND SEEDING.
- REFER TO THE UTILITY PLAN FOR CROSSING OF DRAINAGE PIPING AND PROPOSED UTILITIES.
- REFER TO EXISTING CONDITIONS PLAN FOR BENCHMARK LOCATIONS.
- REFER TO UTILITY PLAN FOR PROPOSED UTILITY LOCATIONS AND COORDINATE ACCORDINGLY WITH ALL GRADING AND DRAINAGE WORK.
- UNLESS NOTED AS TOP OF CURB (TOC) AND 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.
- GRASSED AREAS ADJOINING THE BUILDING SHALL SLOPE AWAY FROM THE BUILDING AT A 1% MINIMUM SLOPE.

PIPE TABLE			
PIPE	SIZE & TYPE	LENGTH	SLOPE
E-100	15" REINFORCED CONCRETE	21-LF	0.013
E-126	12" CMP	76-LF	0.010
P-100	12" HDPE	6-LF	0.011
P-101	18" HDPE	40-LF	0.050
P-102	12" HDPE	67-LF	0.005
P-103	12" HDPE	8-LF	0.006
P-104	12" HDPE	84-LF	0.005
P-105	12" HDPE	8-LF	0.006
P-106	12" HDPE	67-LF	0.005
P-107	12" HDPE	8-LF	0.006
P-108	12" HDPE	61-LF	0.005
P-109	12" HDPE	8-LF	0.006
P-110	18" HDPE	47-LF	0.005
P-111	24" HDPE	118-LF	0.005
P-112	12" HDPE	44-LF	0.005
P-113	12" HDPE	16-LF	0.006
P-114	12" HDPE	9-LF	0.007
P-115	12" HDPE	48-LF	0.005
P-116	12" HDPE	9-LF	0.007

PIPE TABLE			
PIPE	SIZE & TYPE	LENGTH	SLOPE
P-117	24" HDPE	55-LF	0.005
P-118	12" HDPE	17-LF	0.011
P-119	24" HDPE	37-LF	0.005
P-120	12" HDPE	7-LF	0.008
P-121	24" HDPE	75-LF	0.005
P-122	12" HDPE	25-LF	0.005
P-123	12" HDPE	31-LF	0.005
P-124	12" HDPE	15-LF	0.004
P-125	24" HDPE	7-LF	0.009
P-200	12" HDPE	29-LF	0.005
P-201	12" HDPE	7-LF	0.005
P-202	15" HDPE	32-LF	0.005
P-203	12" HDPE	48-LF	0.005
P-204	12" HDPE	6-LF	0.005
P-205	15" HDPE	46-LF	0.005
P-206	12" HDPE	12-LF	0.005
P-207	18" HDPE	26-LF	0.005
P-208	24" HDPE	28-LF	0.005
P-209	12" HDPE	10-LF	0.005

PIPE TABLE			
PIPE	SIZE & TYPE	LENGTH	SLOPE
P-210	15" HDPE	10-LF	0.005
P-211	24" HDPE	24-LF	0.005
P-212	24" HDPE	122-LF	0.013
P-300	12" HDPE	90-LF	0.005
P-301	12" HDPE	11-LF	0.006
P-302	12" HDPE	67-LF	0.005
P-303	12" HDPE	31-LF	0.005
P-304	18" HDPE	90-LF	0.005
P-305	12" HDPE	67-LF	0.005
P-306	12" HDPE	28-LF	0.005
P-307	12" HDPE	4-LF	0.005
P-308	18" HDPE	21-LF	0.005
P-309	12" HDPE	8-LF	0.007
P-310	12" HDPE	65-LF	0.030
P-400	12" HDPE	121-LF	0.005
P-401	12" HDPE	14-LF	0.005
P-402	18" HDPE	52-LF	0.005
P-403	12" HDPE	15-LF	0.005
P-404	18" HDPE	18-LF	0.012



INTERSTATE ROUTE 95

SCALE: 1" = 30'

Project: TOWN OF FOXBOROUGH PUBLIC WORKS FACILITY ADDITION AND RENOVATION

70 ELM STREET
FOXBOROUGH, MA 02035

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SOA:

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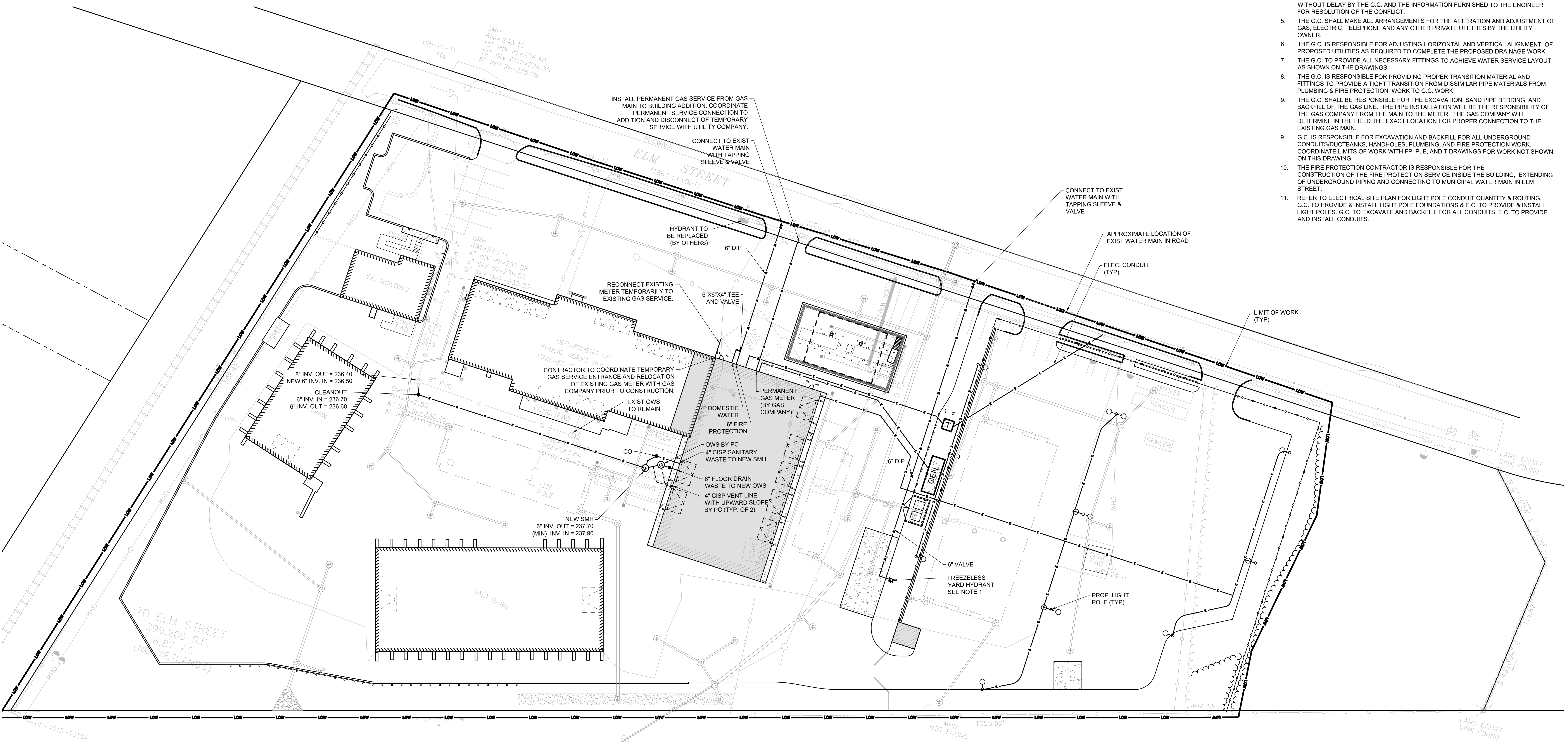
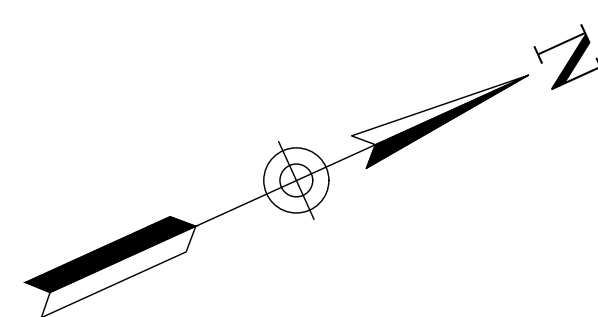
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Date: FEBRUARY 1, 2024
 Drawn By: RSR
 Reviewed By: EC
 Approved By: AKP
 W&S Project No.: ENG2-0799
 W&S File No.: --

Drawing Title:
GRADING & DRAINAGE PLAN

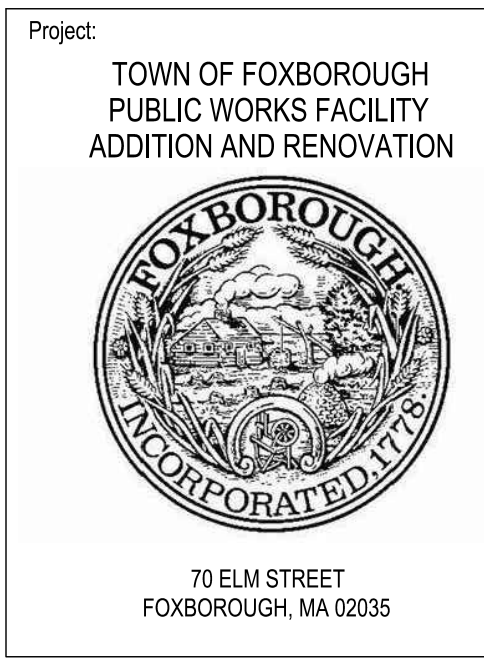
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NOTES:

1. CONTRACTOR SHALL PROVIDE A 2" FREEZELESS UTILITY YARD HYDRANT TO SUPPLY WATER FOR BRINE MAKING EQUIPMENT. YARD HYDRANT SHALL BE MODEL L200 AS MANUFACTURED BY WOODFORD OR APPROVED EQUAL. YARD HYDRANT SHALL BE INSTALLED PER MANUFACTURER RECOMMENDATIONS. FINAL LOCATION OF YARD HYDRANT SHALL BE COORDINATED WITH BRINE MAKING EQUIPMENT. ADDITIONAL DETAILS FOR BRINE SYSTEM EQUIPMENT REFER TO DETAIL 5 ON SHEET 0504.
2. PLUMBING CONTRACTOR (P.C.) IS RESPONSIBLE FOR THE CONSTRUCTION OF THE DOMESTIC WATER LINES & SANITARY SERVICES INSIDE THE BUILDING AND EXTENDING TO 10' FROM THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED (SEE P-SERIES DRAWINGS). GENERAL CONTRACTOR (G.C.) IS RESPONSIBLE FOR EXTENDING NEW SERVICES INTO THE SITE AND CONNECTING TO THE PLUMBER'S WORK.
3. P.C. SHALL PROVIDE & INSTALL ALL SANITARY PIPING FROM THE BUILDING TO THE OIL AND GAS SEPARATOR AS SHOWN ON PLUMBING PLANS. G.C. SHALL EXCAVATE & BACKFILL FOR ALL EXTERIOR PIPING & OIL AND GAS SEPARATOR.
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 G.C. SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE G.C. FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE G.C. AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.
5. 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.
6. THE G.C. IS RESPONSIBLE FOR ADJUSTING HORIZONTAL AND VERTICAL ALIGNMENT OF PROPOSED UTILITIES AS REQUIRED TO COMPLETE THE PROPOSED DRAINAGE WORK.
7. THE G.C. TO PROVIDE ALL NECESSARY FITTINGS TO ACHIEVE WATER SERVICE LAYOUT AS SHOWN ON THE DRAWINGS.
8. 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.
9. THE G.C. SHALL BE RESPONSIBLE FOR THE EXCAVATION, SAND PIPE BEDDING, AND BACKFILL OF THE GAS LINE. THE PIPE INSTALLATION WILL BE THE RESPONSIBILITY OF THE GAS COMPANY FROM THE MAIN TO THE METER. THE GAS COMPANY WILL DETERMINE IN THE FIELD THE EXACT LOCATION FOR PROPER CONNECTION TO THE EXISTING GAS MAIN.
9. G.C. IS RESPONSIBLE FOR EXCAVATION AND BACKFILL FOR ALL UNDERGROUND CONDUITS/DUCTBANKS, HANDHOLES, PLUMBING, AND FIRE PROTECTION WORK. COORDINATE LIMITS OF WORK WITH FP, P, E, AND T DRAWINGS FOR WORK NOT SHOWN ON THIS DRAWING.
10. THE FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION OF THE FIRE PROTECTION SERVICE INSIDE THE BUILDING. EXTENDING OF UNDERGROUND PIPING AND CONNECTING TO MUNICIPAL WATER MAIN IN ELM STREET.
11. REFER TO ELECTRICAL SITE PLAN FOR LIGHT POLE CONDUIT QUANTITY & ROUTING. G.C. TO PROVIDE & INSTALL LIGHT POLE FOUNDATIONS & E.C. TO PROVIDE & INSTALL LIGHT POLES. G.C. TO EXCAVATE AND BACKFILL FOR ALL CONDUITS. E.C. TO PROVIDE AND INSTALL CONDUITS.



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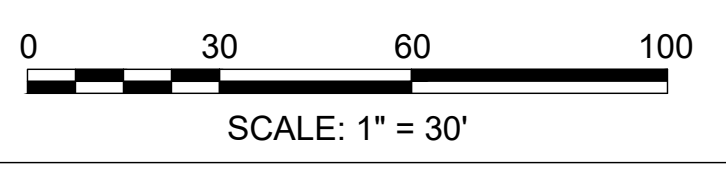
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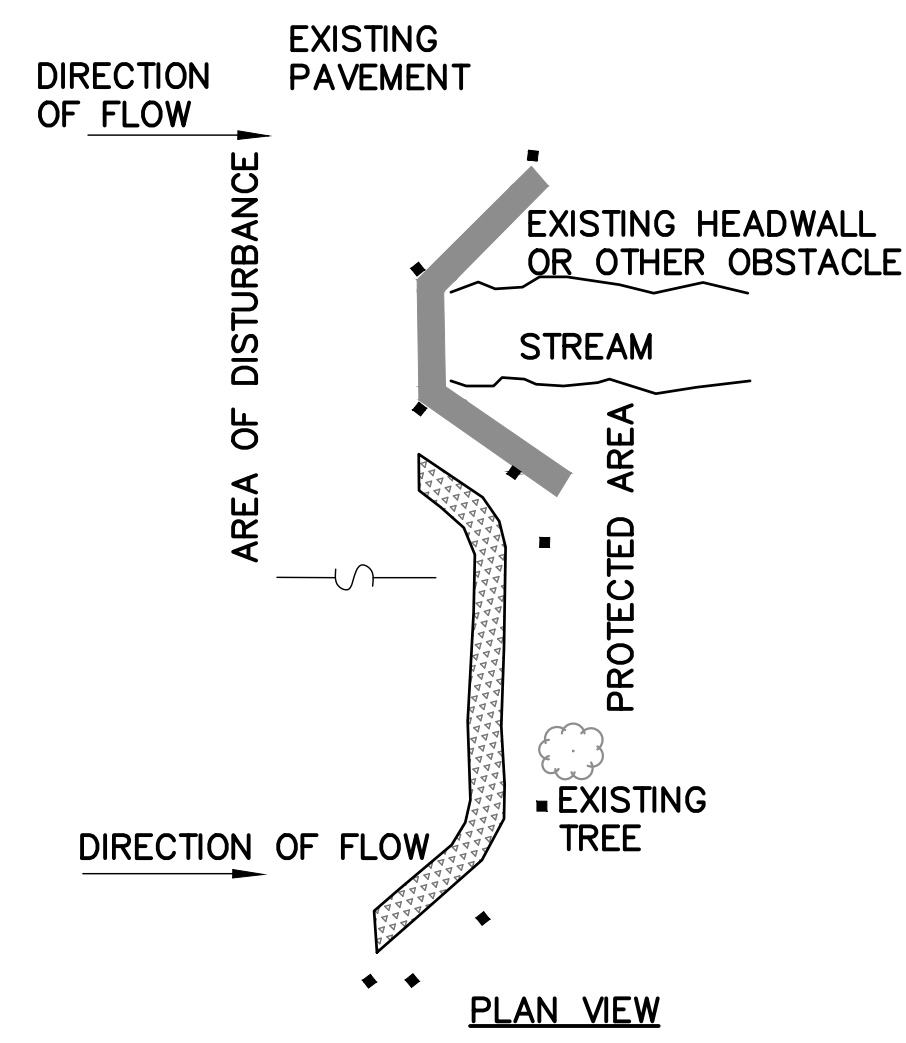
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 W&S File No.: --

Utility Plan:
UTILITY PLAN

Sheet Number:
C400

INTERSTATE ROUTE 95
 (1962 LAYOUT)





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.

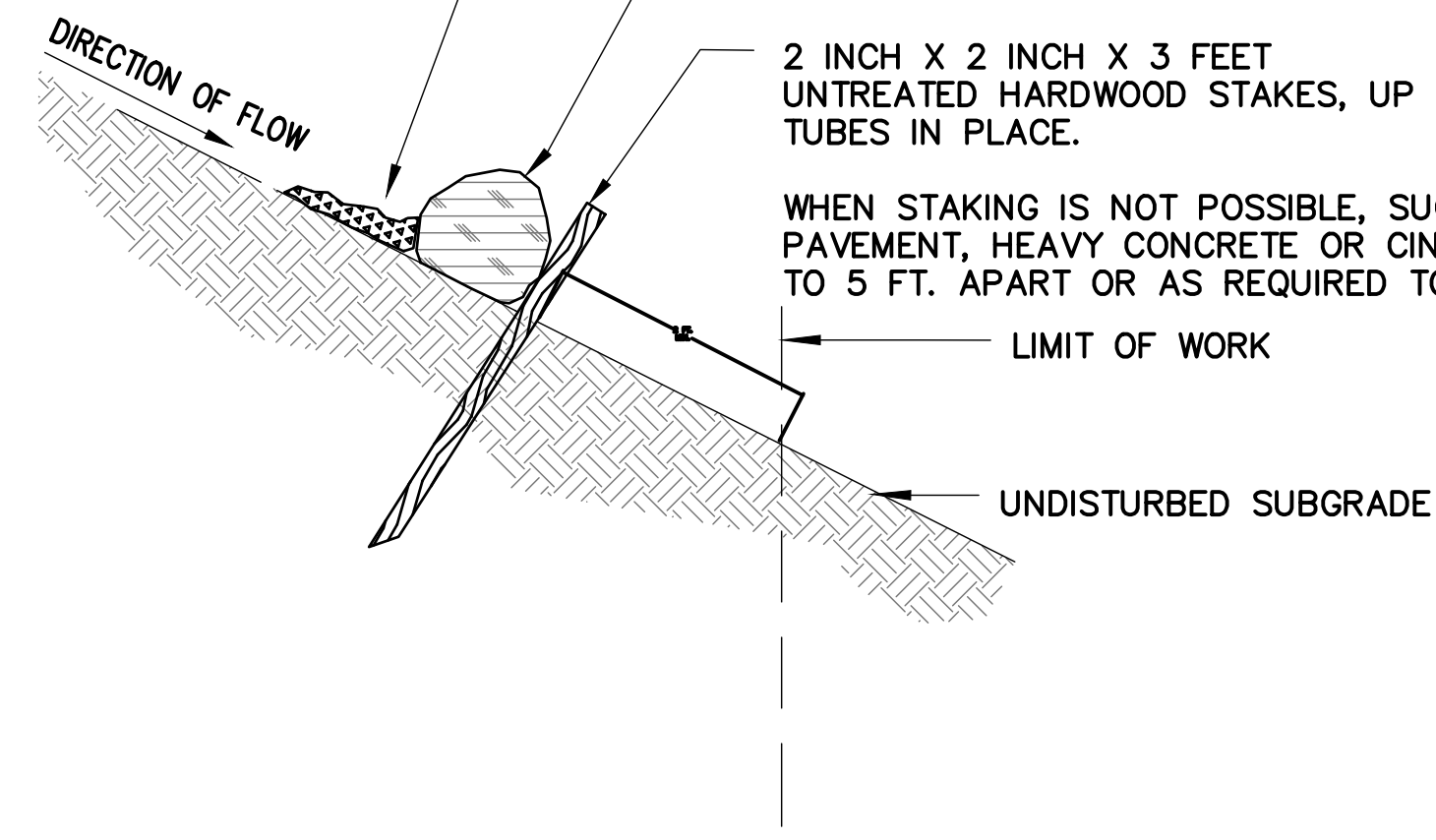
GENERAL NOTES:

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, COMPOST, OR WOOD CHIPS, OR COIR. STRAW SHALL BE WEED FREE AND DERIVED FROM THRESHING OF GRAIN CROP.

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

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

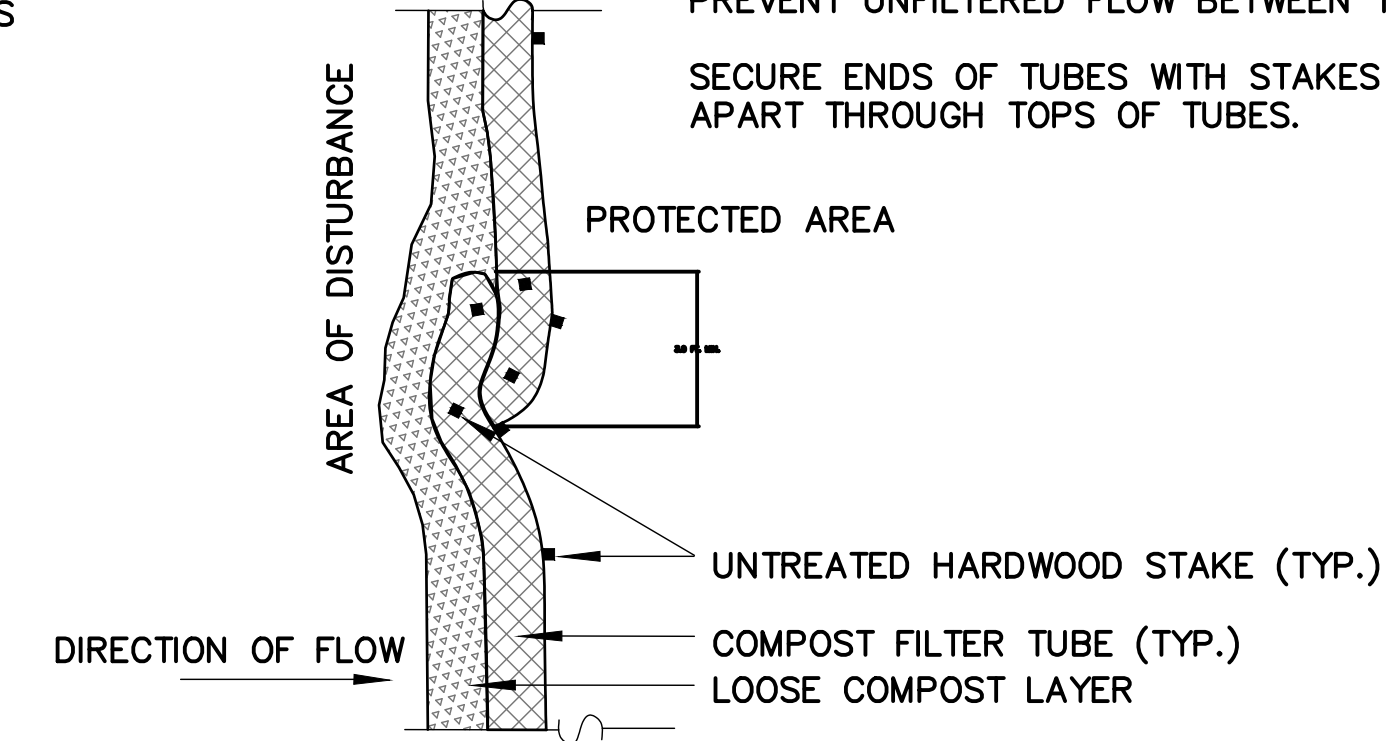
TAMP TUBES IN PLACE TO ENSURE GOOD CONTACT WITH SOIL SURFACE. IT IS NOT NECESSARY TO TRENCH TUBES INTO EXISTING GRADE.



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

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

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

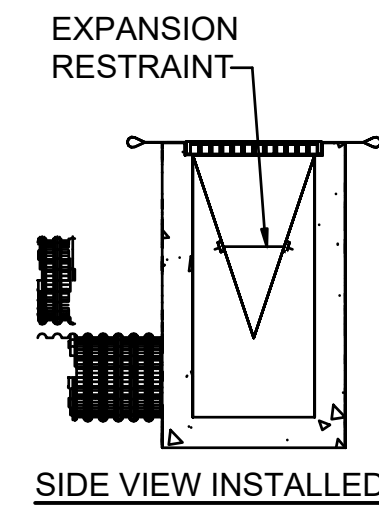
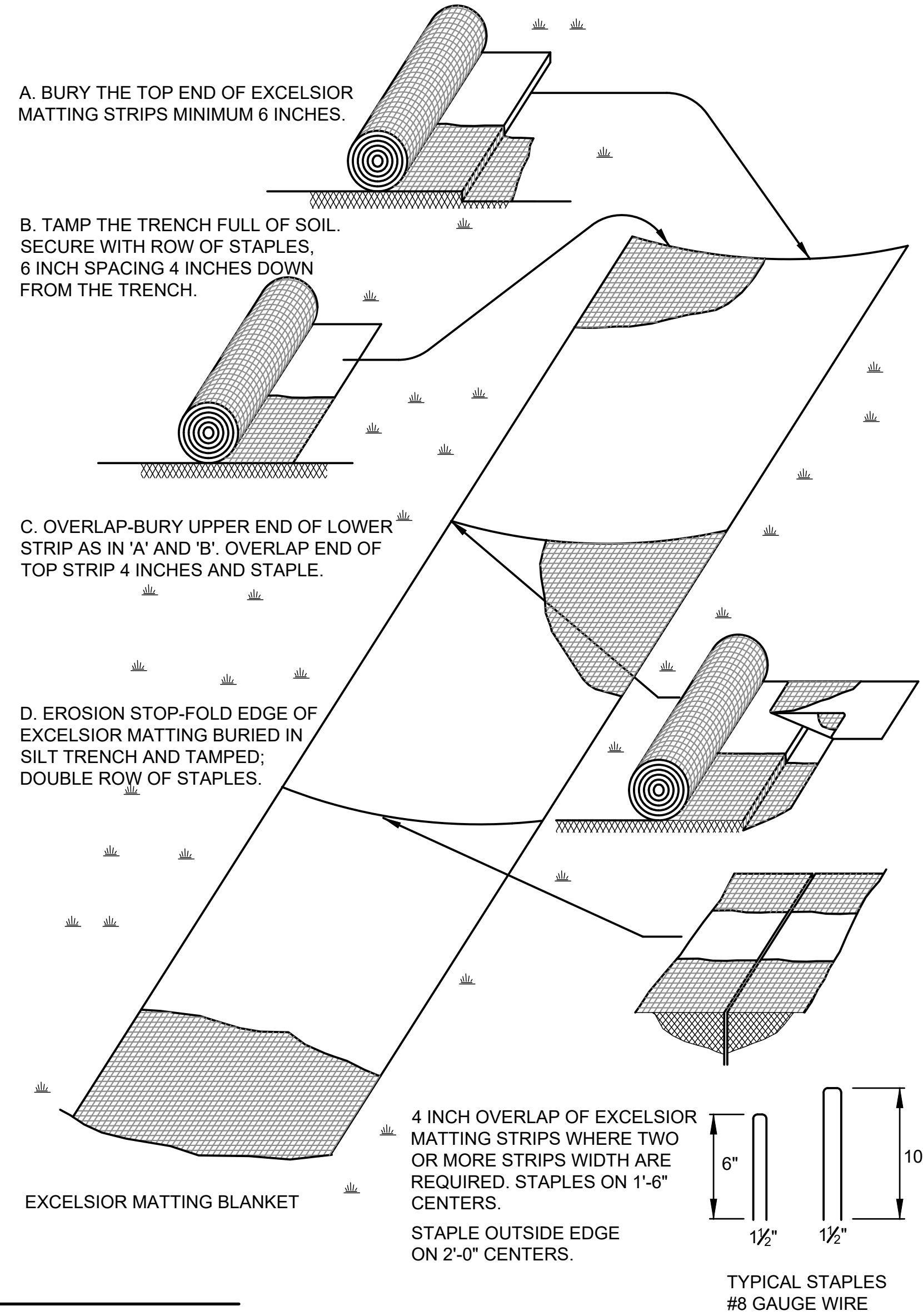


PLAN VIEW - JOINING DETAIL

1 EROSION CONTROL MEASURE: SINGLE COMPOST FILTER TUBE DETAIL

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.

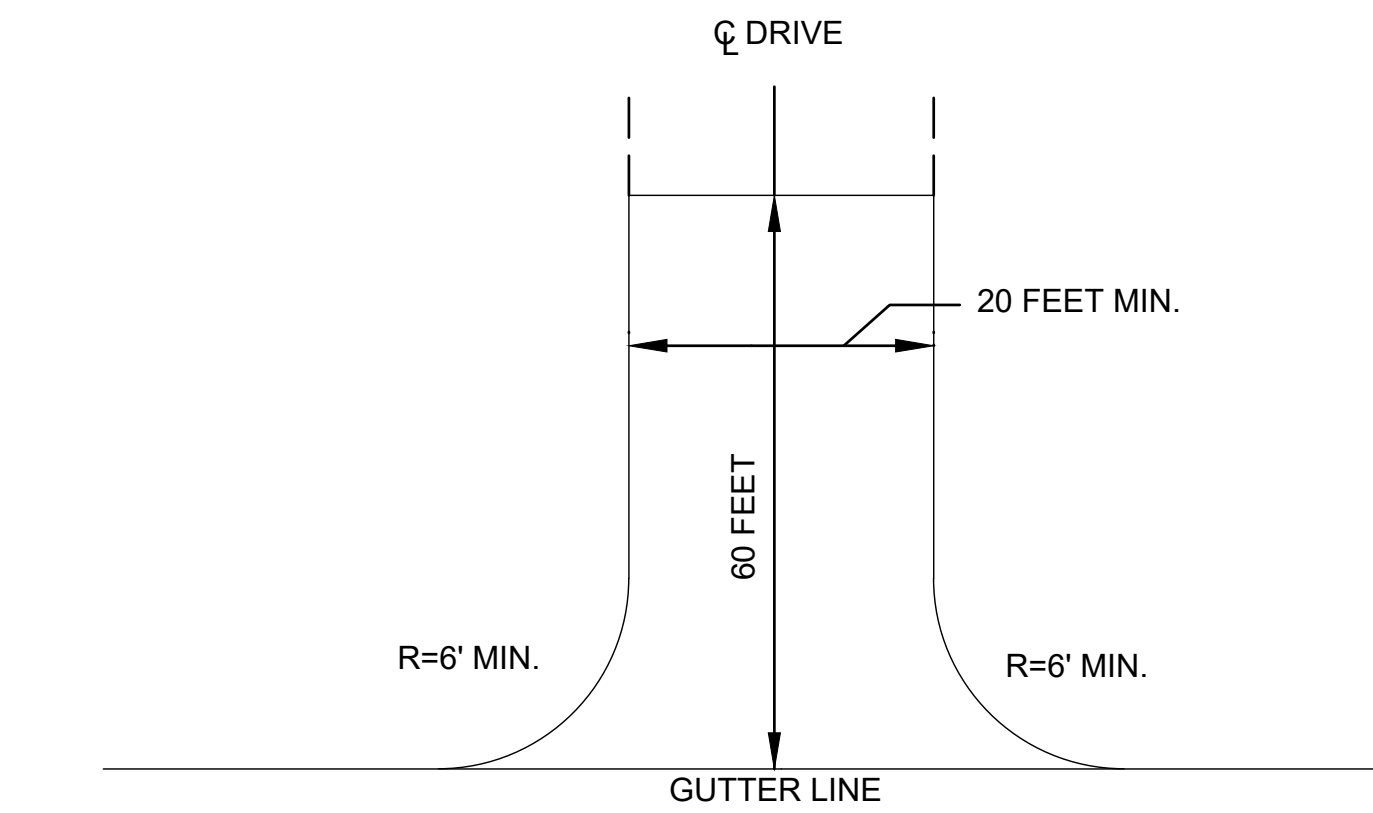
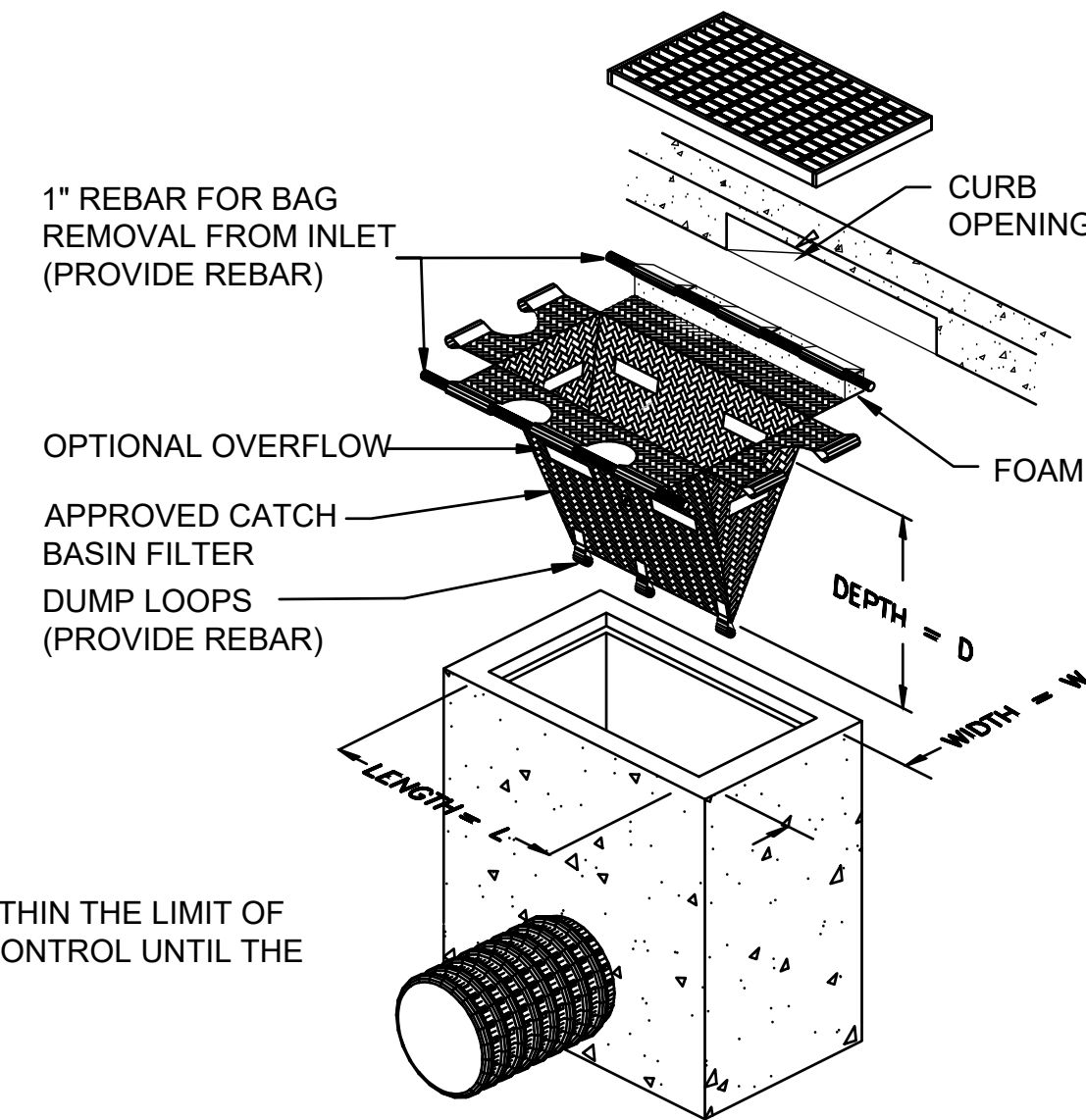


SIDE VIEW INSTALLED

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

3 INLET SEDIMENT CONTROL

SCALE: N.T.S.



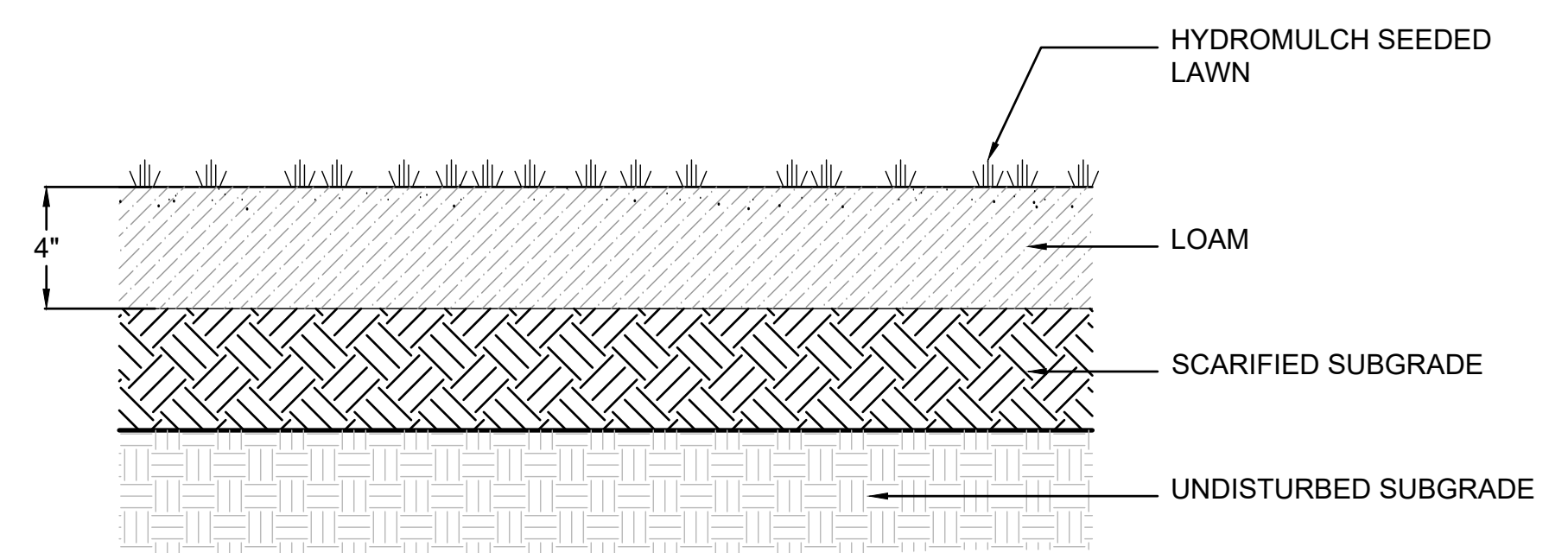
PLAN

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.

4 STABILIZED TEMPORARY CONSTRUCTION ENTRANCE

SCALE: N.T.S.



NOTES:

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

5 LOAM & SEED

SCALE: N.T.S.

2 EROSION CONTROL BLANKET

SCALE: N.T.S.

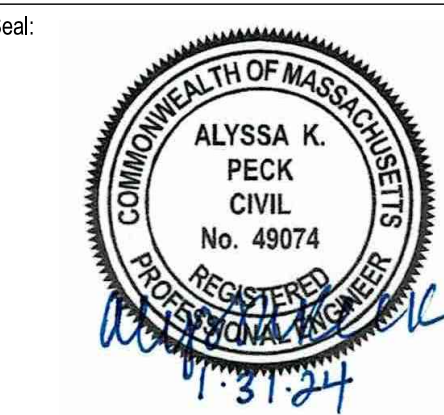
NOTE:
JUTE NETTING TO BE USED ON ALL SLOPES GREATER THAN 4H:1V AS INDICATED ON GRADING PLANS

Consultants:

Revisions:

No.	Date	Description

COA:



Issued For:

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Scale: AS INDICATED

Key Plan:

Date: FEBRUARY 1, 2024
Drawn By: RSR
Reviewed By: EC
Approved By: AKP
W&S Project No.: ENG22-0799
W&S File No.: --

Drawing Title:

CIVIL DETAILS 1

Sheet Number:

C501

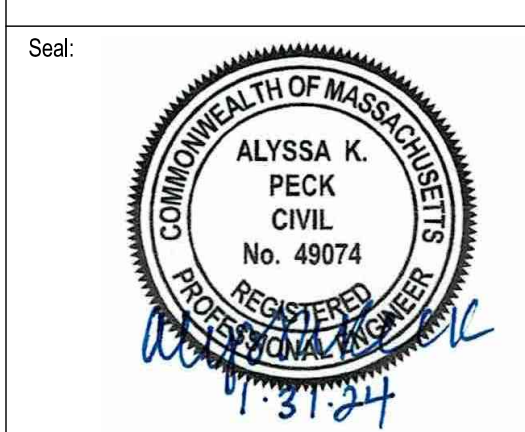
Consultants:

No.	Date	Description

Revisions:

No.	Date	Description

COA:



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Scale: AS INDICATED
Key Plan:

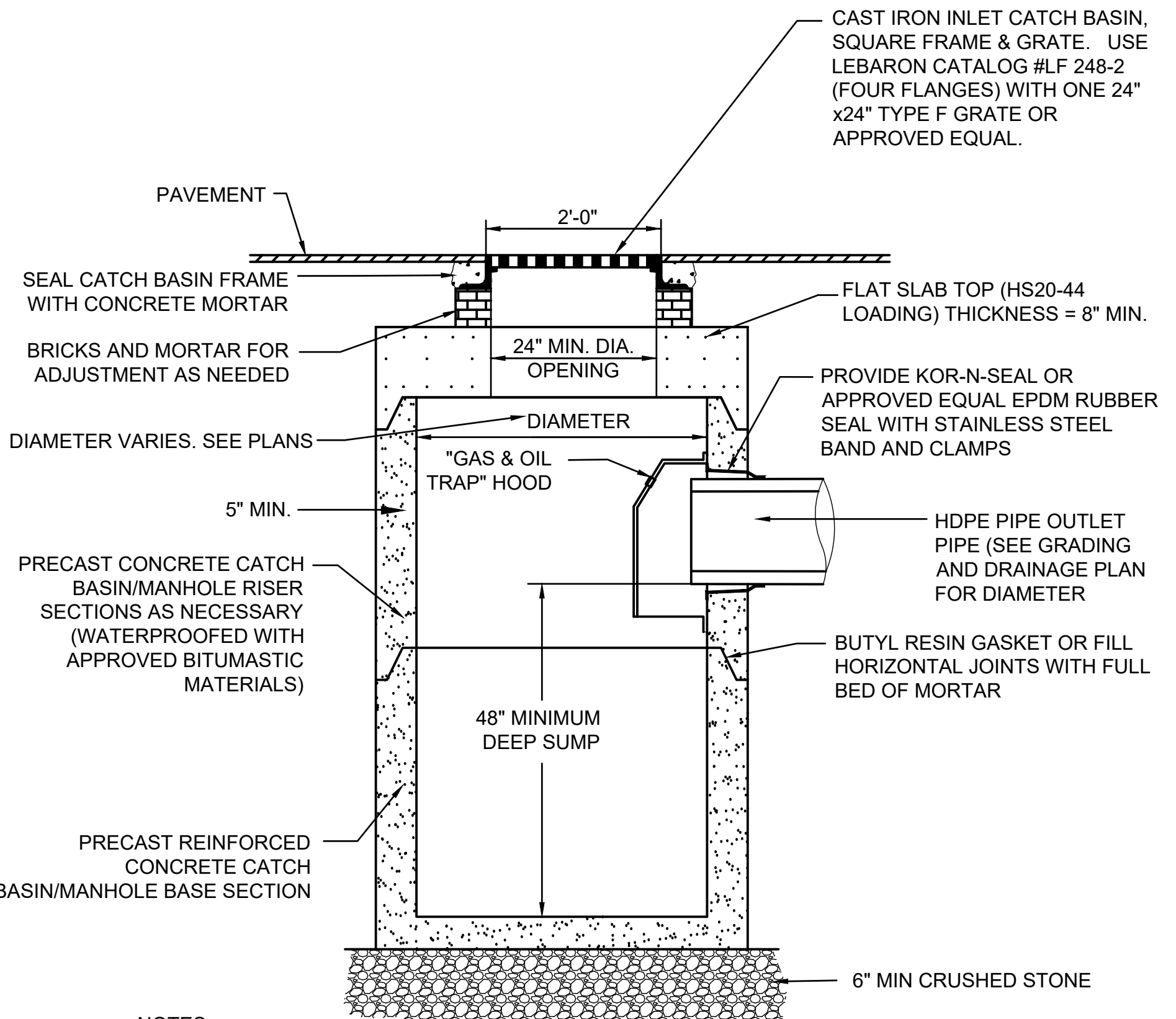
Date: FEBRUARY 1, 2024
Drawn By: RSR
Reviewed By: EC
Approved By: AKP
W&S Project No.: ENG22-0799
W&S File No.: --

Drawing Title:

CIVIL DETAILS 2

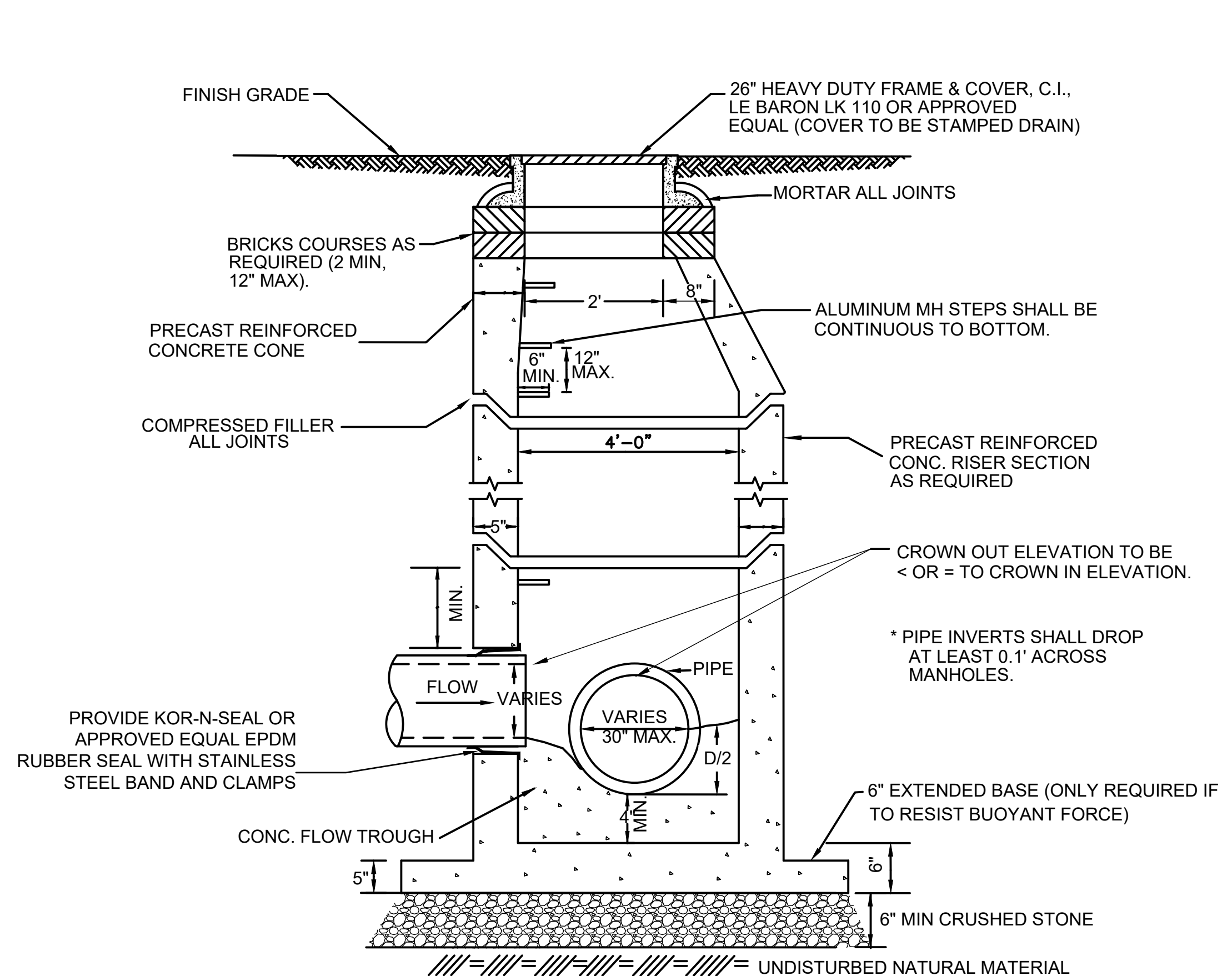
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C502



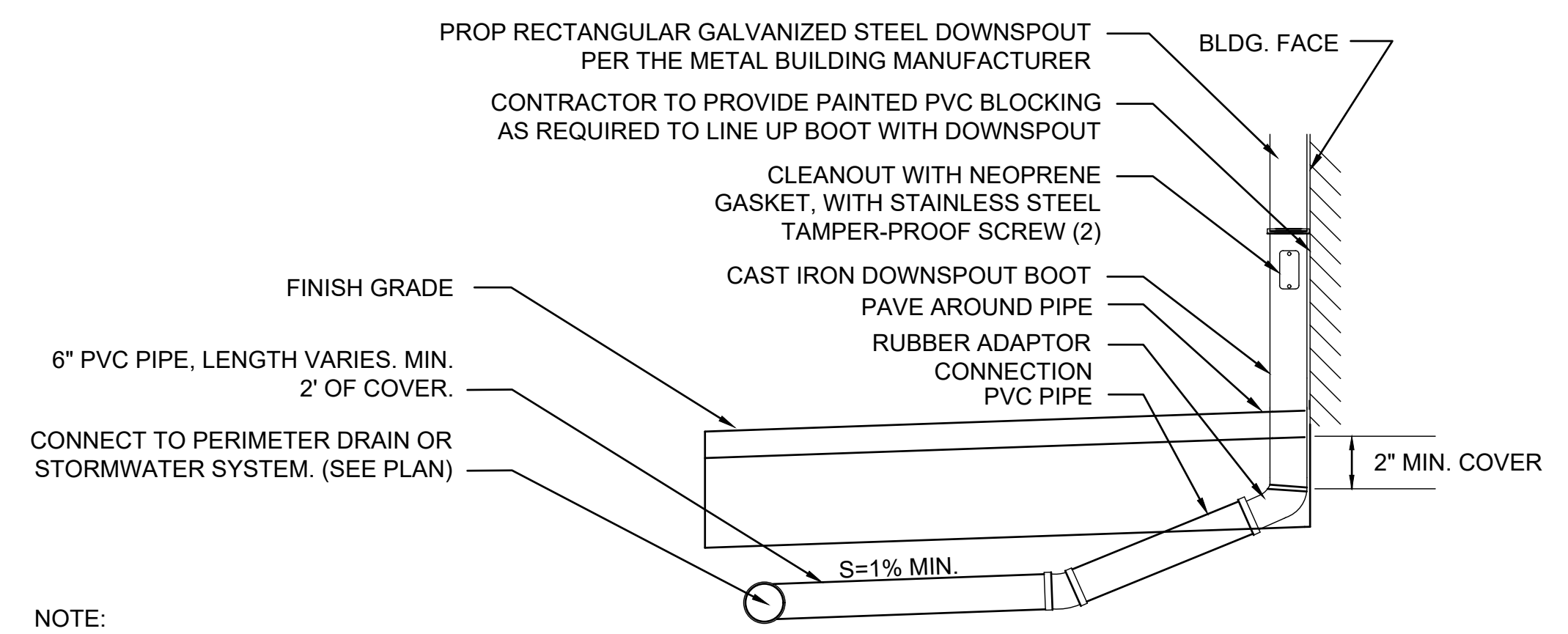
- NOTES:
- FOR DOUBLE CATCH BASINS, STRUCTURE SHALL BE 6" IN DIAMETER.
 - THE CATCH BASIN SHALL BE DESIGNED TO RESIST BUOYANCY. ASSUMING GROUNDWATER IS AT GRADE, MANUFACTURER SHALL PROVIDE BUOYANCY CALCULATIONS, STAMPED BY A MASSACHUSETTS P.E.
 - MANHOLE FRAME AND COVER SHALL BE H-20 WHEEL LOAD RATED.

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



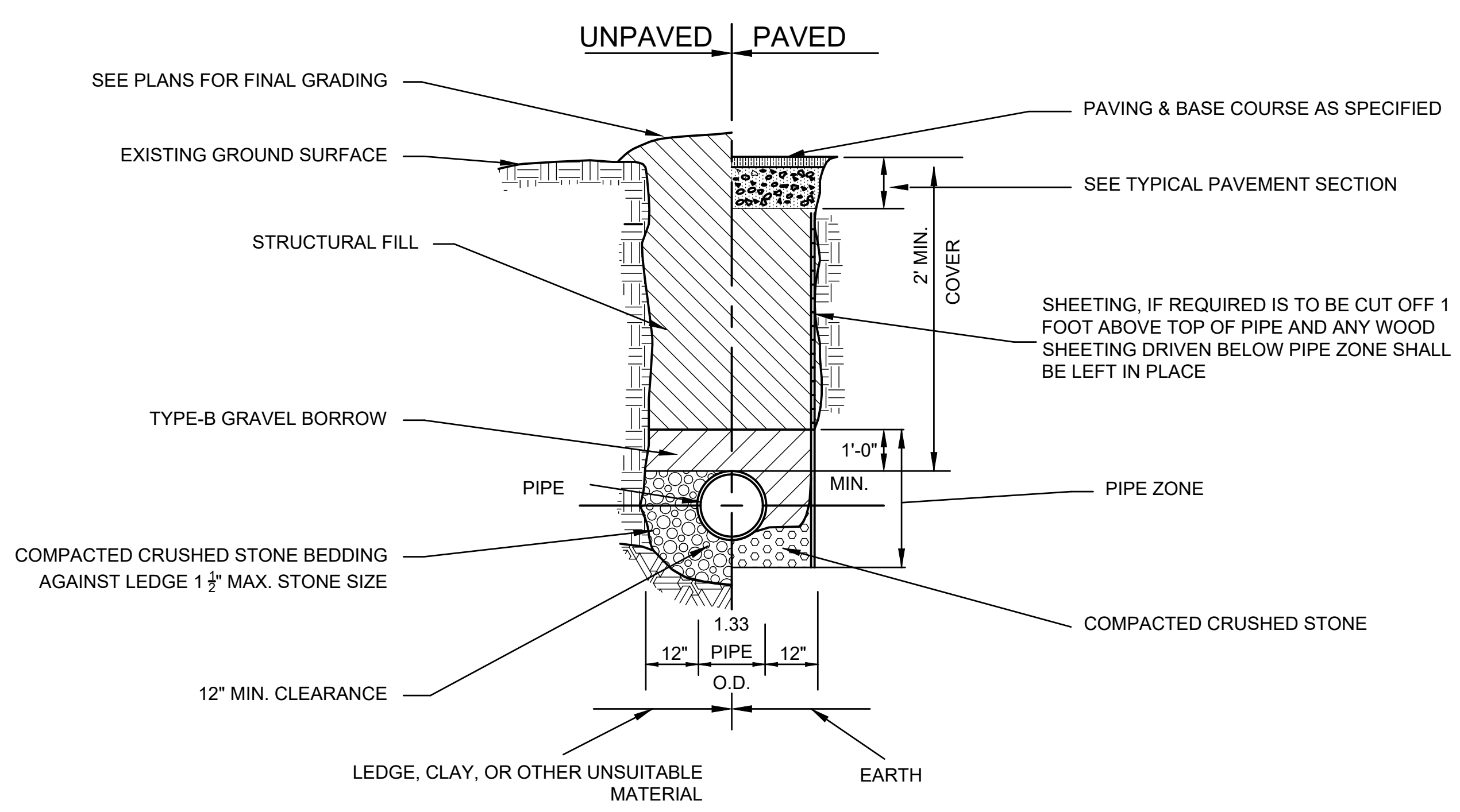
- NOTE:
- THE DRAIN MANHOLE SHALL BE DESIGNED TO RESIST BUOYANCY. ASSUMING GROUNDWATER IS AT GRADE, MANUFACTURER SHALL PROVIDE BUOYANCY CALCULATIONS, STAMPED BY A MASSACHUSETTS P.E.
 - MANHOLE FRAME AND COVER SHALL BE H-20 WHEEL LOAD RATED.

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

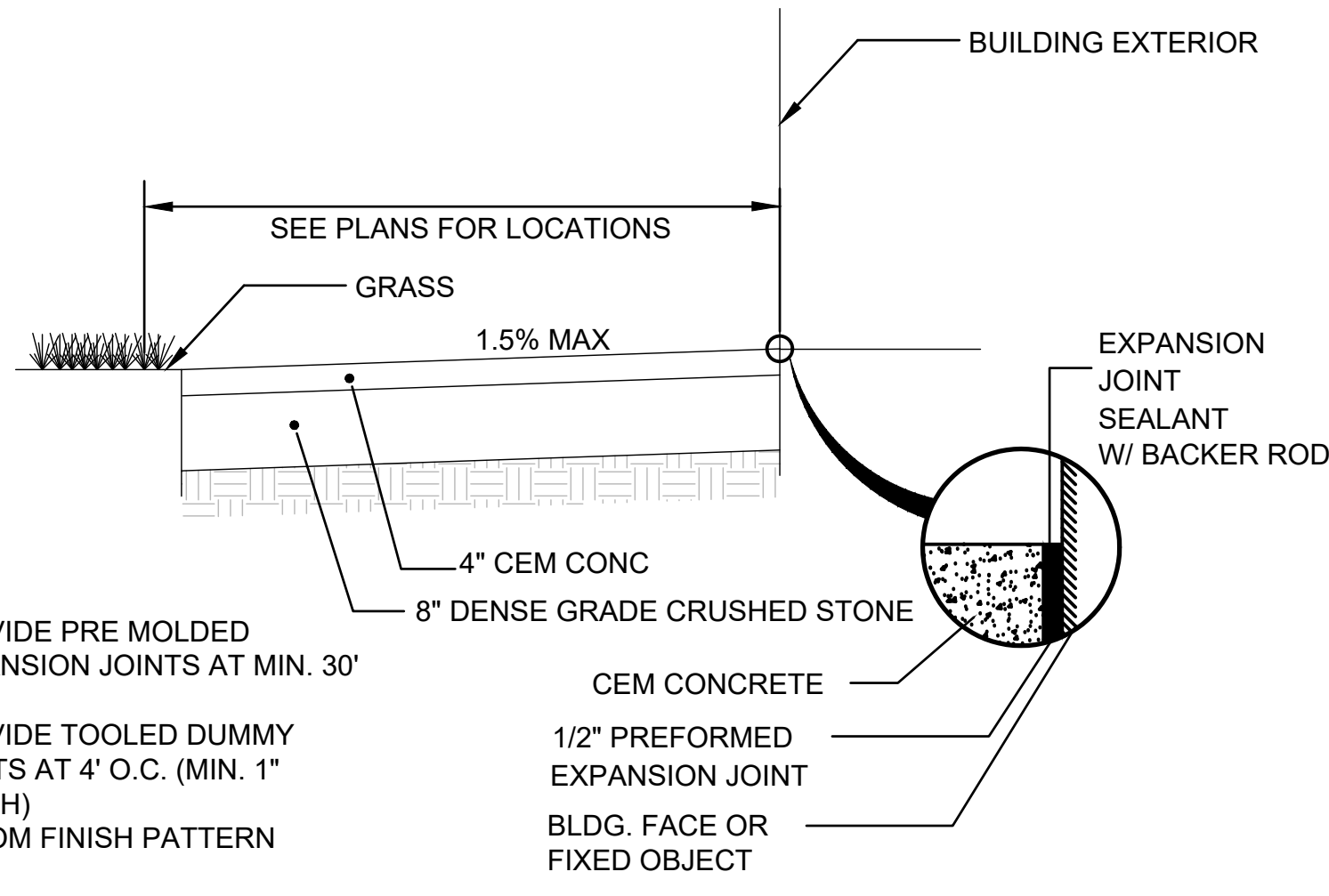


- NOTE:
- DOWNSPOUT DETAIL IS TYPICAL FOR ALL BUILDING GUTTER DOWNSPOUTS.
 - REFER TO ARCHITECTURAL PLANS FOR EXACT QUANTITY & LOCATION.
 - COORDINATE WITH CIVIL SITE PLANS FOR CONNECTIONS TO STORM SYSTEM.
 - PROVIDE A DOWNSPOUT BOOT AT EACH DOWNSPOUT TO ALLOW THE RECTANGULAR DOWNSPOUT TO TRANSITION TO THE ROUND CAST IRON RECEPTOR PIPE.
 - PAINT DOWNSPOUT ADAPTER BY PAINTING SUBCONTRACTOR. COLOR AS SELECTED BY THE ARCHITECT (CONFIRMED BY OWNER).
 - DOWNSPOUT ADAPTER SHALL BE MANUFACTURED BY J.R. HOE AND SONS, NEENAH FOUNDRY, PIEDMONT MANUFACTURING OR APPROVED EQUAL.

1 GUTTER DOWNSPOUT CONNECTION DETAIL (EXTERNAL)
SCALE: N.T.S.

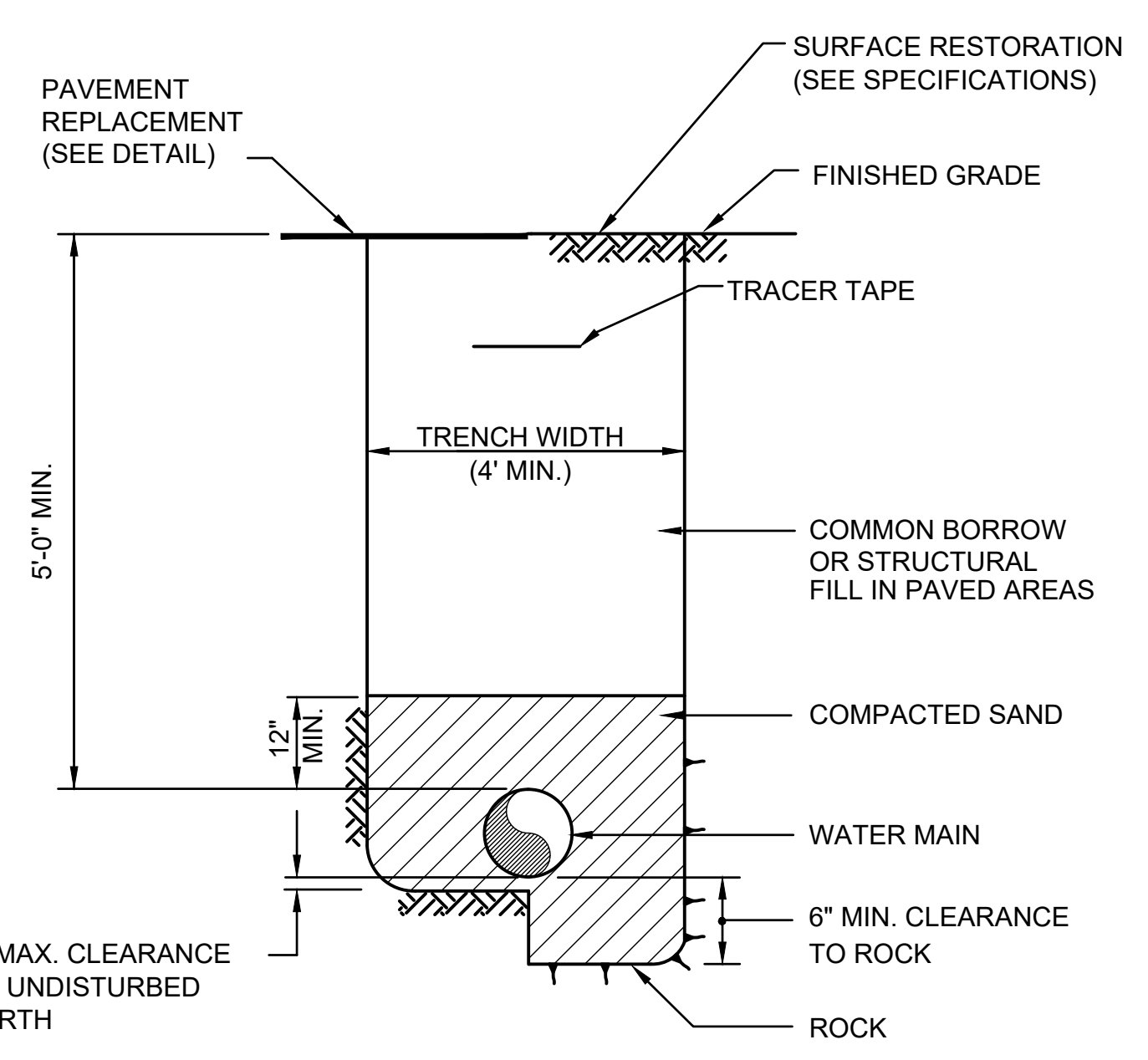


4 TYPICAL STORM DRAIN TRENCH DETAIL
SCALE: N.T.S.

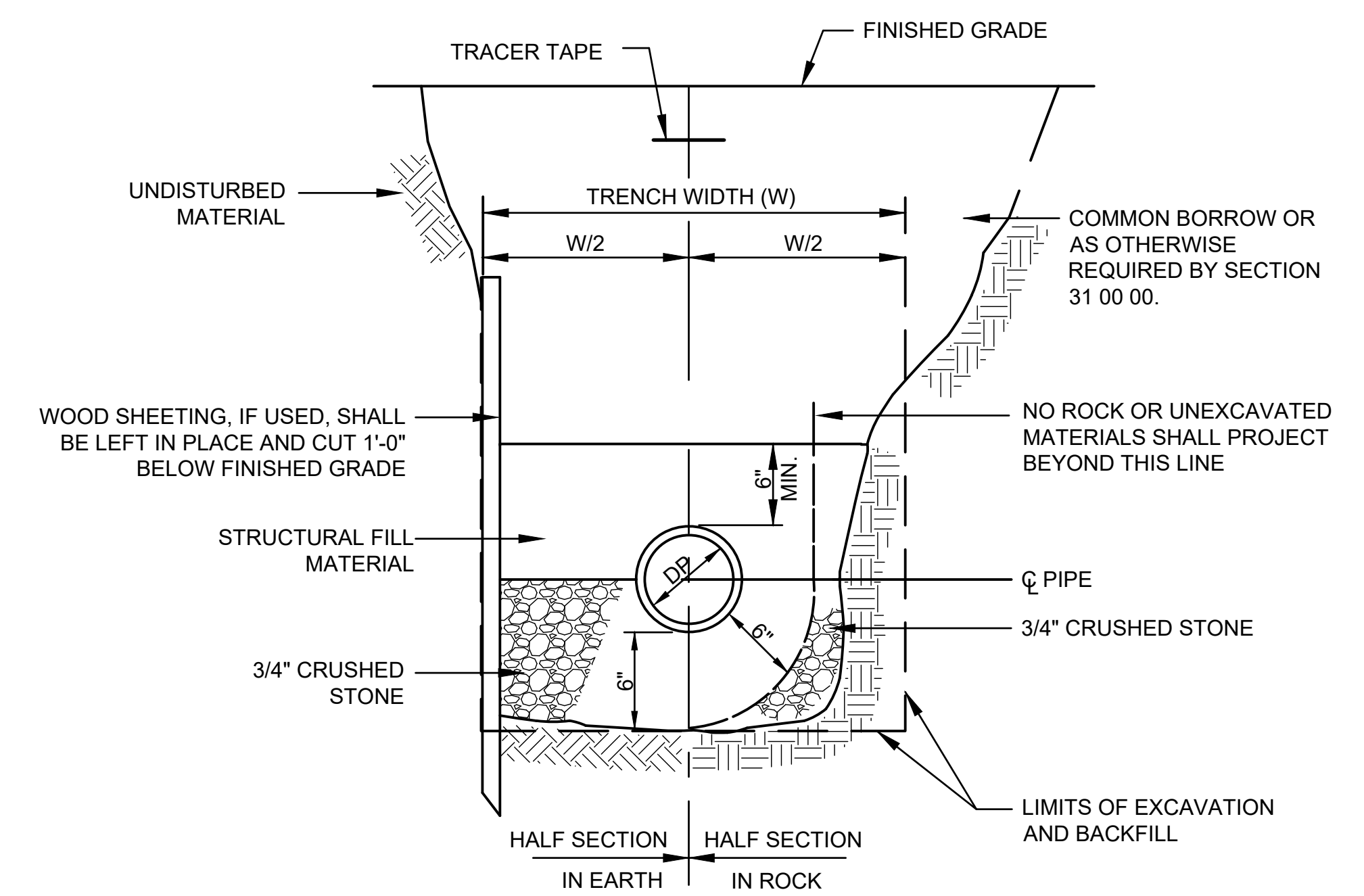


- NOTES:
- PROVIDE PRE MOLDED EXPANSION JOINTS AT MIN. 30' O.C.
 - PROVIDE TOOLED DUMMY JOINTS AT 4' O.C. (MIN. 1" DEPTH)
 - BROOM FINISH PATTERN

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

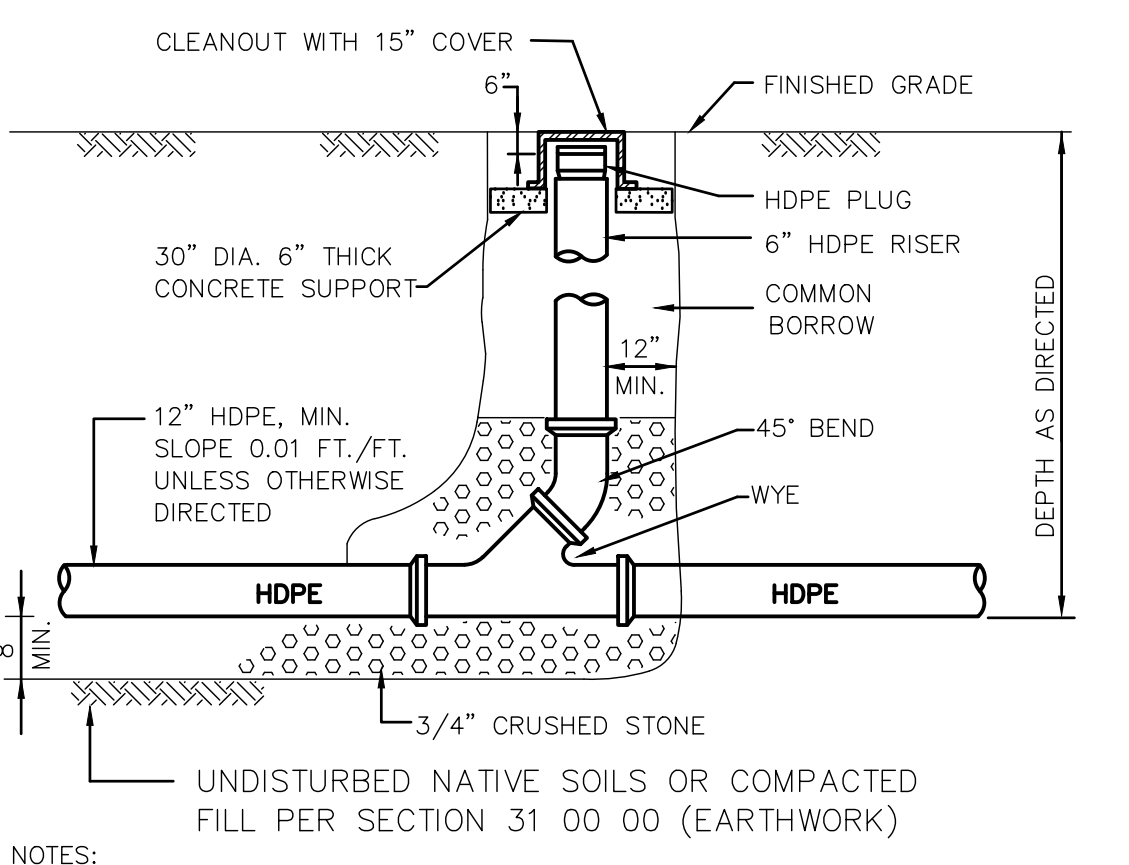


8 WATER MAIN TRENCH DETAIL
SCALE: N.T.S.



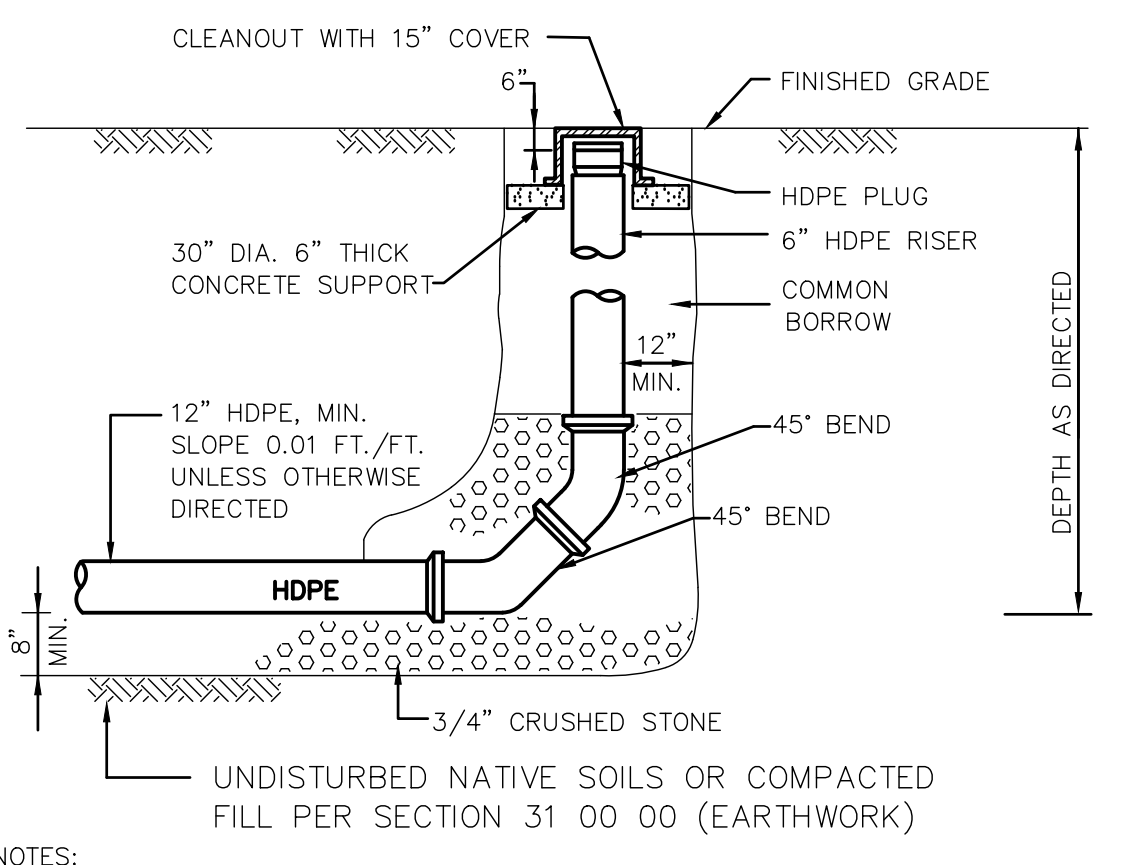
DEPTH TO INVERT	DIAMETER OF PIPE (DP)	MAX. TRENCH WIDTH BELOW LINE OF NARROW TRENCH LIMIT (SHEETED OR UNSHEETED) (W)
0-12'	TO 4"	5'-0"

9 SEWER TRENCH DETAIL
SCALE: N.T.S.



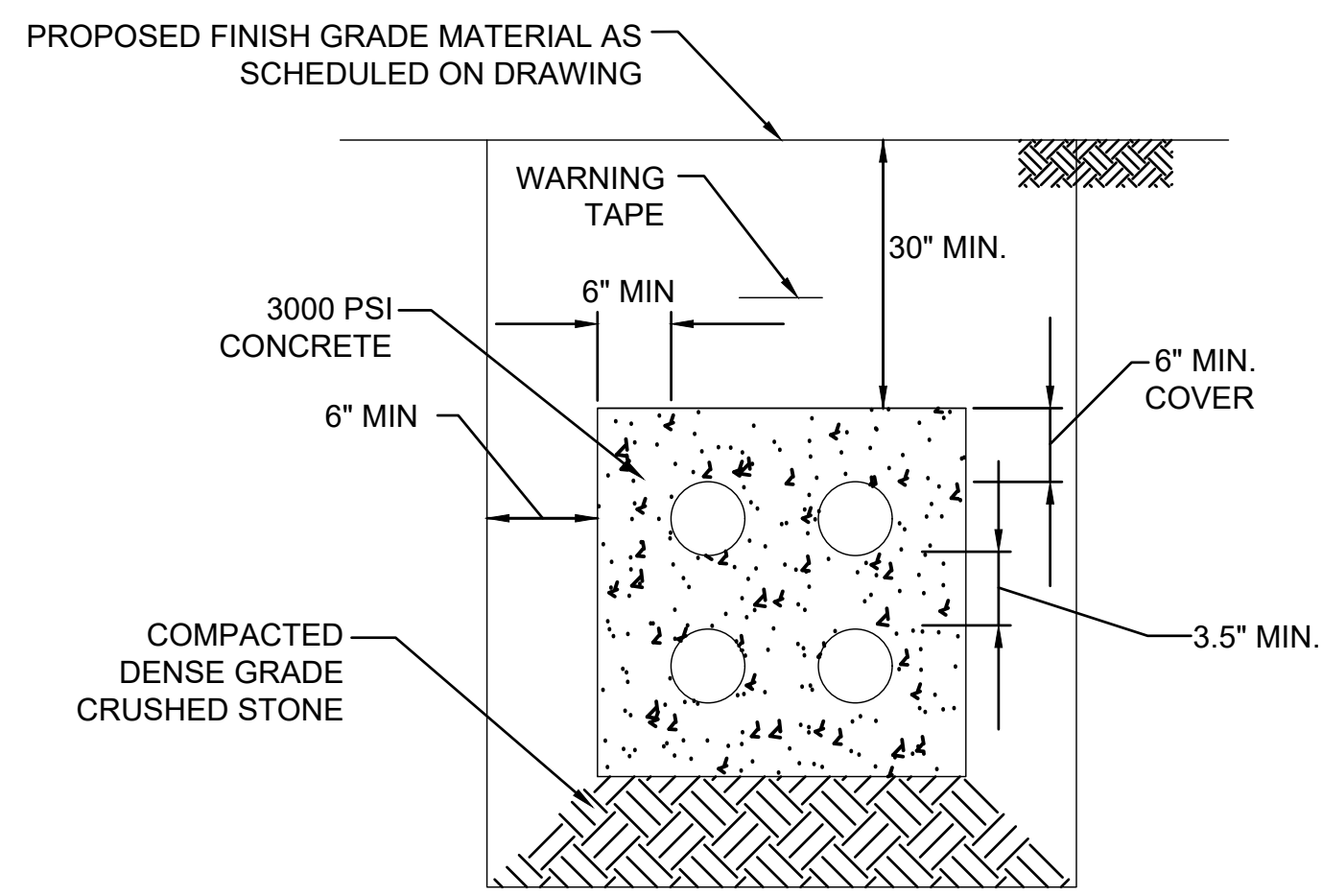
- NOTE:
- REFER TO PLAN FOR PIPE DIAMETER.
 - CLEANOUTS LOCATED IN PAVED AREAS SHALL BE H-20 WHEEL LOAD RATED

6 WYE CLEANOUT
SCALE: N.T.S.



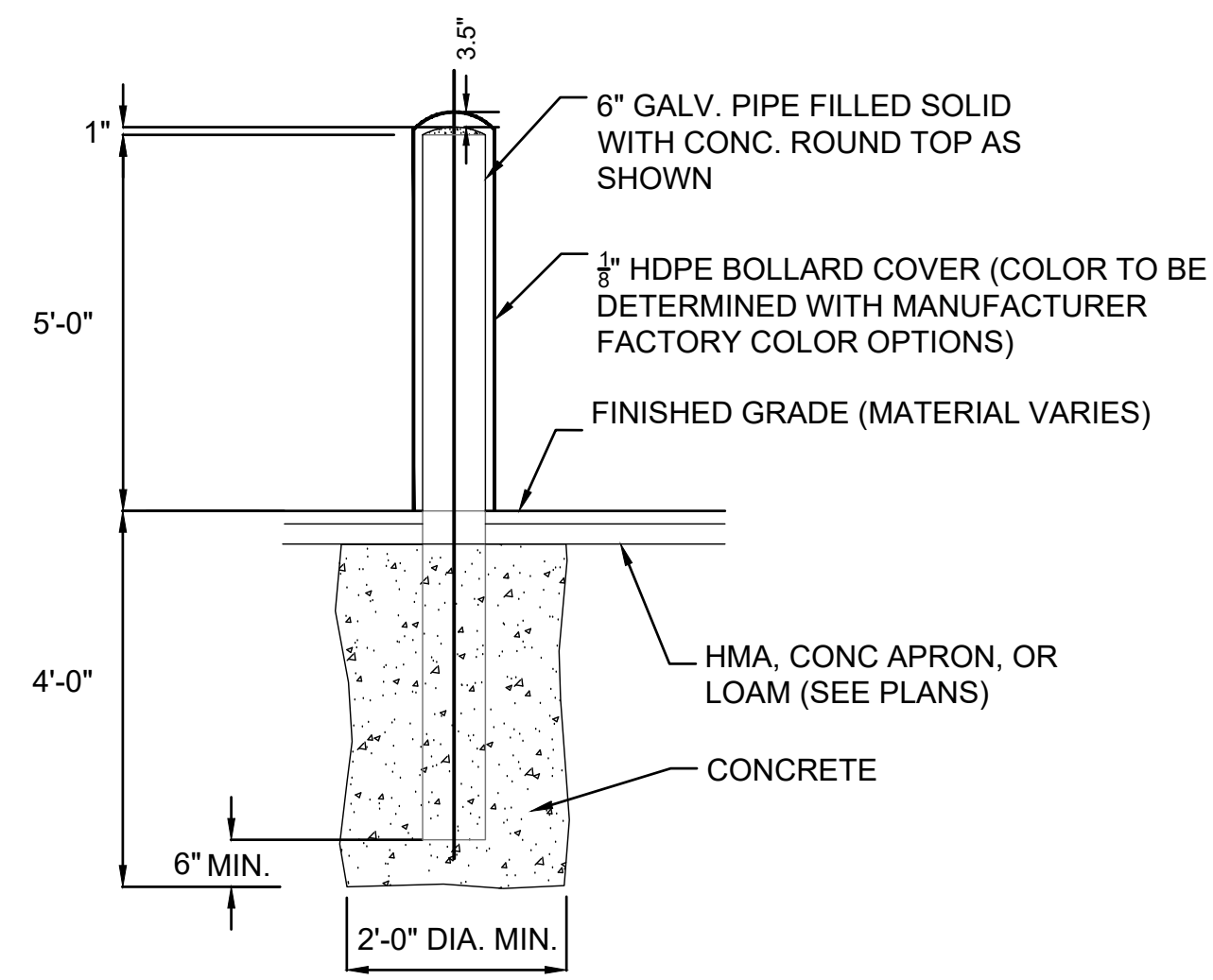
- NOTE:
- REFER TO PLAN FOR PIPE DIAMETER.
 - CLEANOUTS LOCATED IN PAVED AREAS SHALL BE H-20 WHEEL LOAD RATED

7 END CLEANOUT
SCALE: N.T.S.



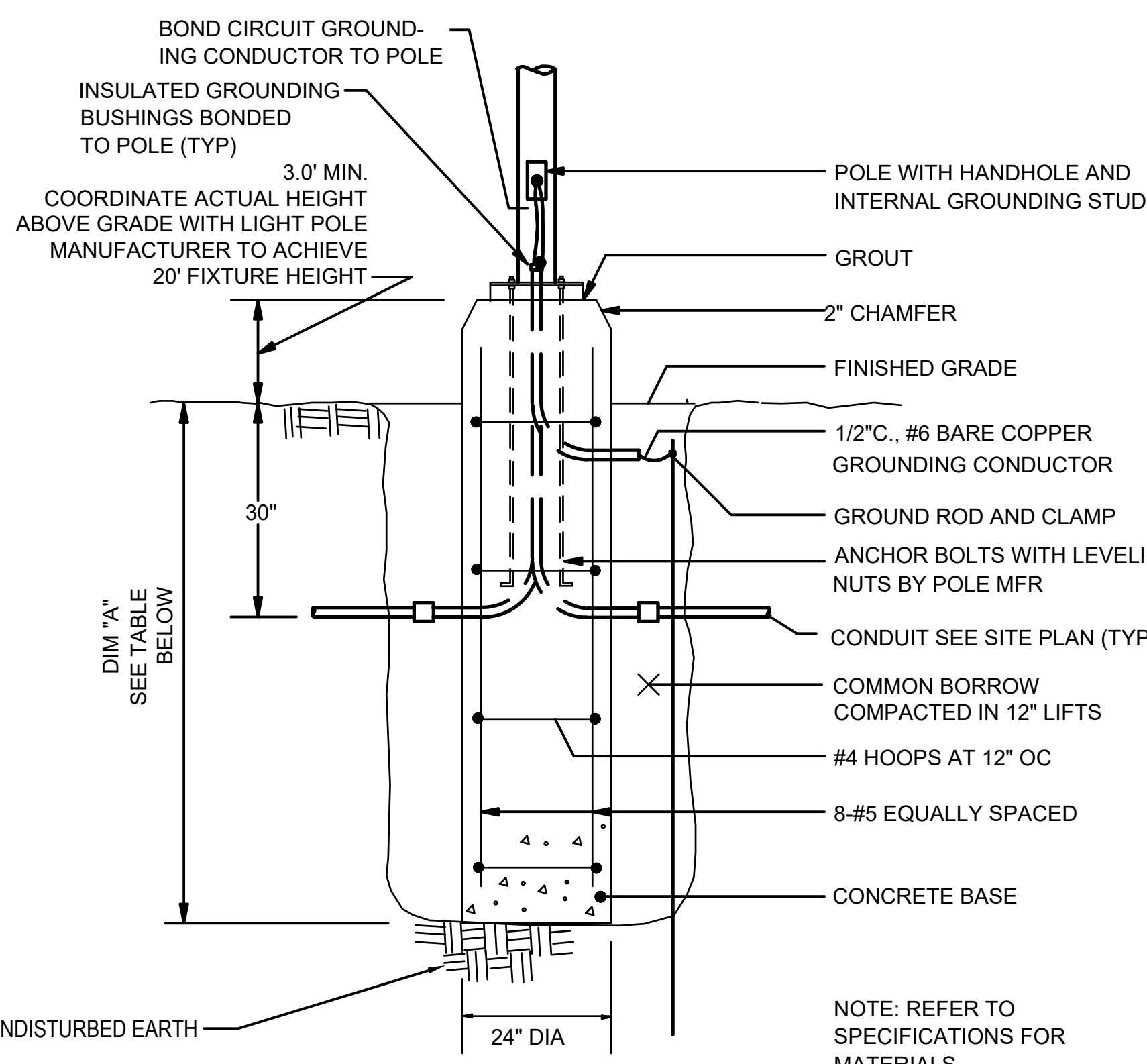
- NOTES:**
- G.C. IS RESPONSIBLE FOR EXCAVATION, CONCRETE ENCASEMENT, REINFORCEMENT AND BACKFILL. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING THE CONDUITS & SPACERS.
 - PROVIDE REINFORCEMENT PER LOCAL UTILITY COMPANY REQUIREMENTS.
 - QUANTITY & SIZE OF CONDUITS VARY. DUCTBANK SIZE 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.

1 ELECTRIC/COMMUNICATION DUCTBANK DETAIL
SCALE: N.T.S.



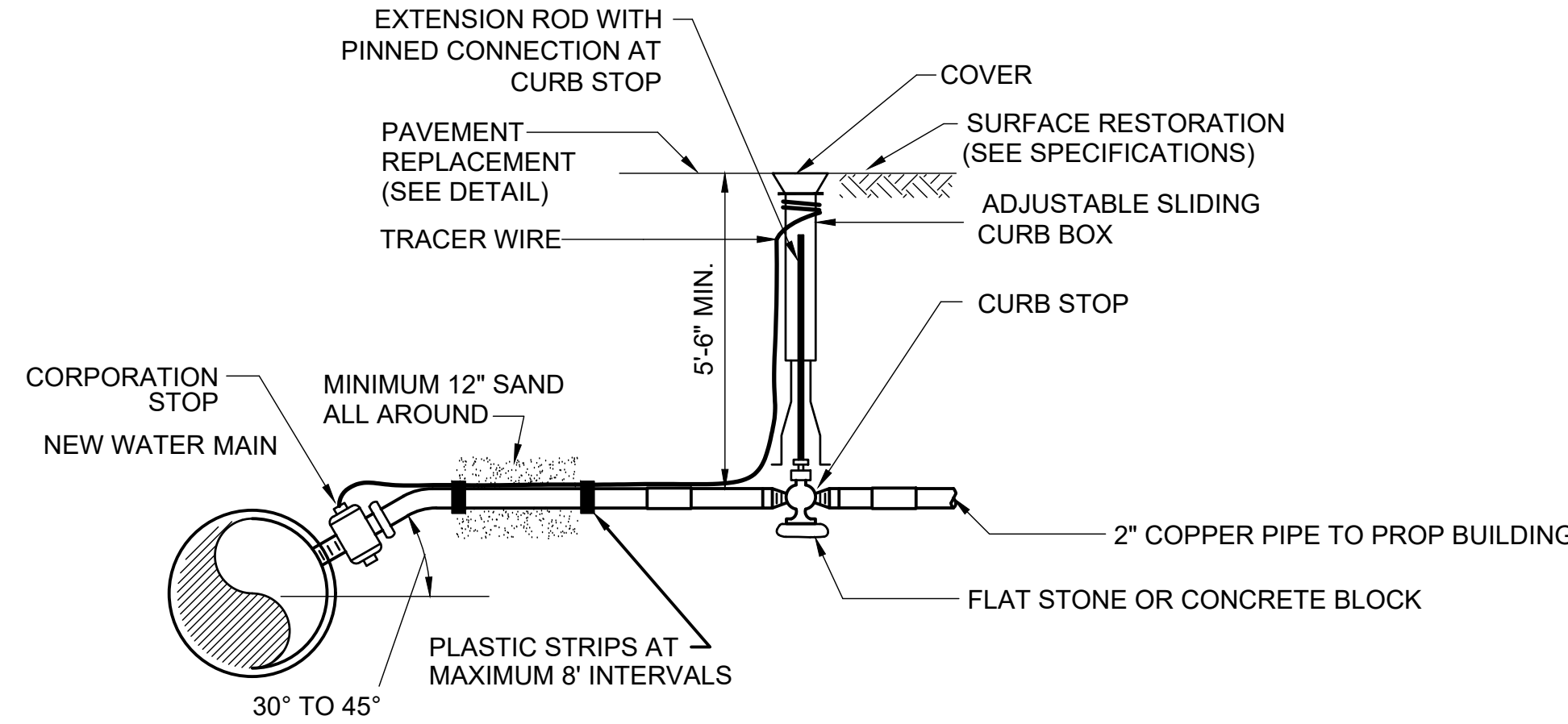
- NOTES:**
- SEE C103 SERIES FOR BOLLARD LOCATIONS.
 - BOLLARD FOUNDATION CONCRETE TO BE 3000 PSI MIN.
 - EXACT LOCATION TO BE DETERMINED IN THE FIELD AND APPROVED BY TOWN BEFORE INSTALLATION.
 - 6\"/>

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



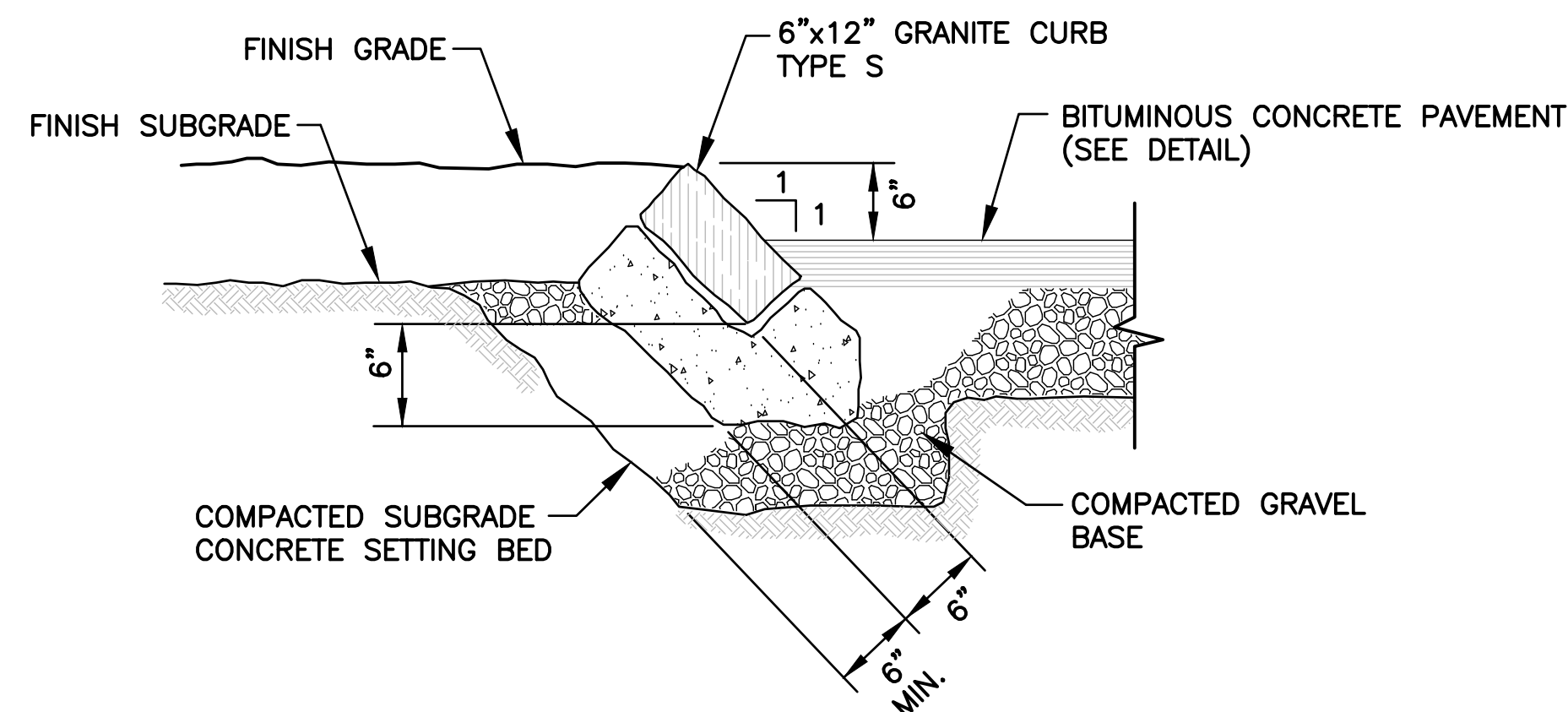
POLE HEIGHT	DIMENSION "A"
10' TO 20'	4'-6"
20' TO 30'	5'-6"
30' TO 40'	6'-6"

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

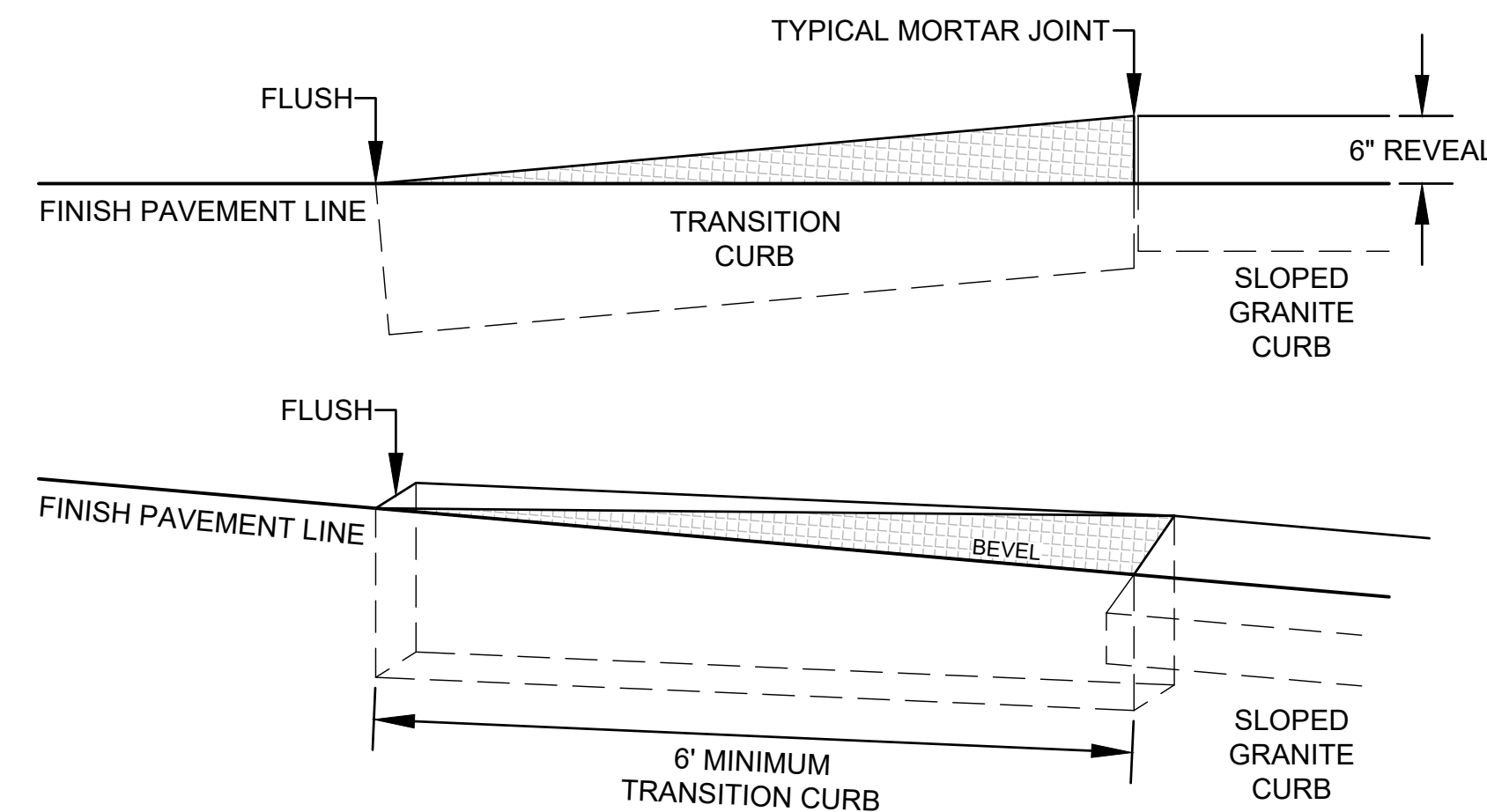


2 WATER SERVICE DETAIL/CORPORATION STOP
SCALE: N.T.S.

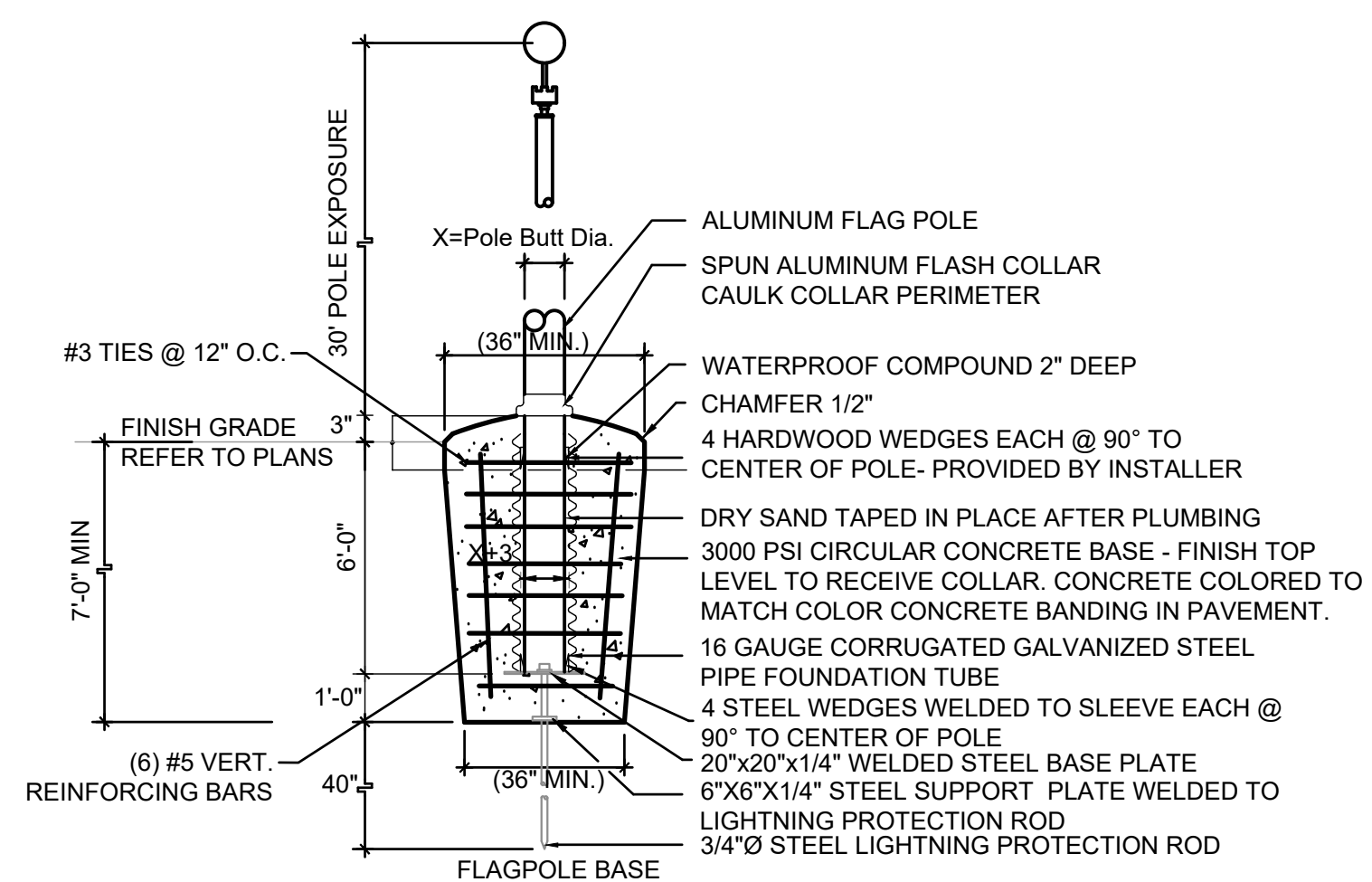
- NOTES:**
- PROVIDE SADDLE FOR ALL AC AND PVC MAINS AND ALL 2\"/>



5 SLOPED GRANITE CURB TRANSITION
SCALE: N.T.S.

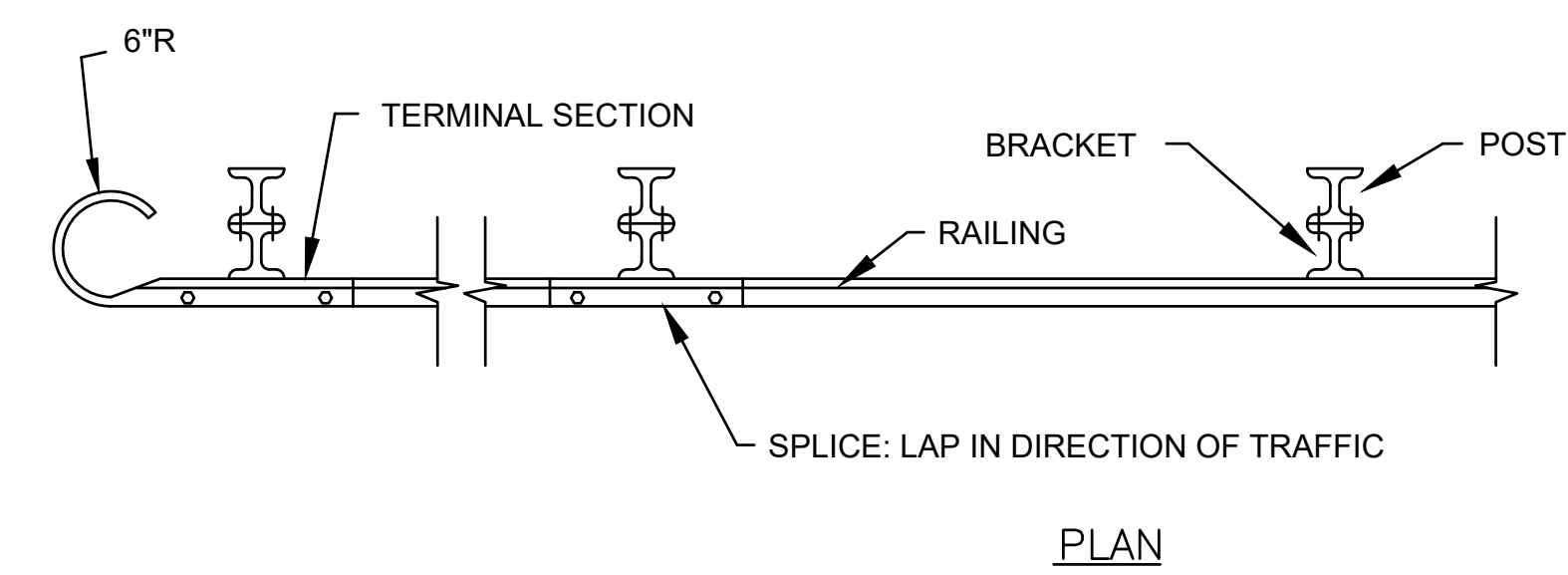
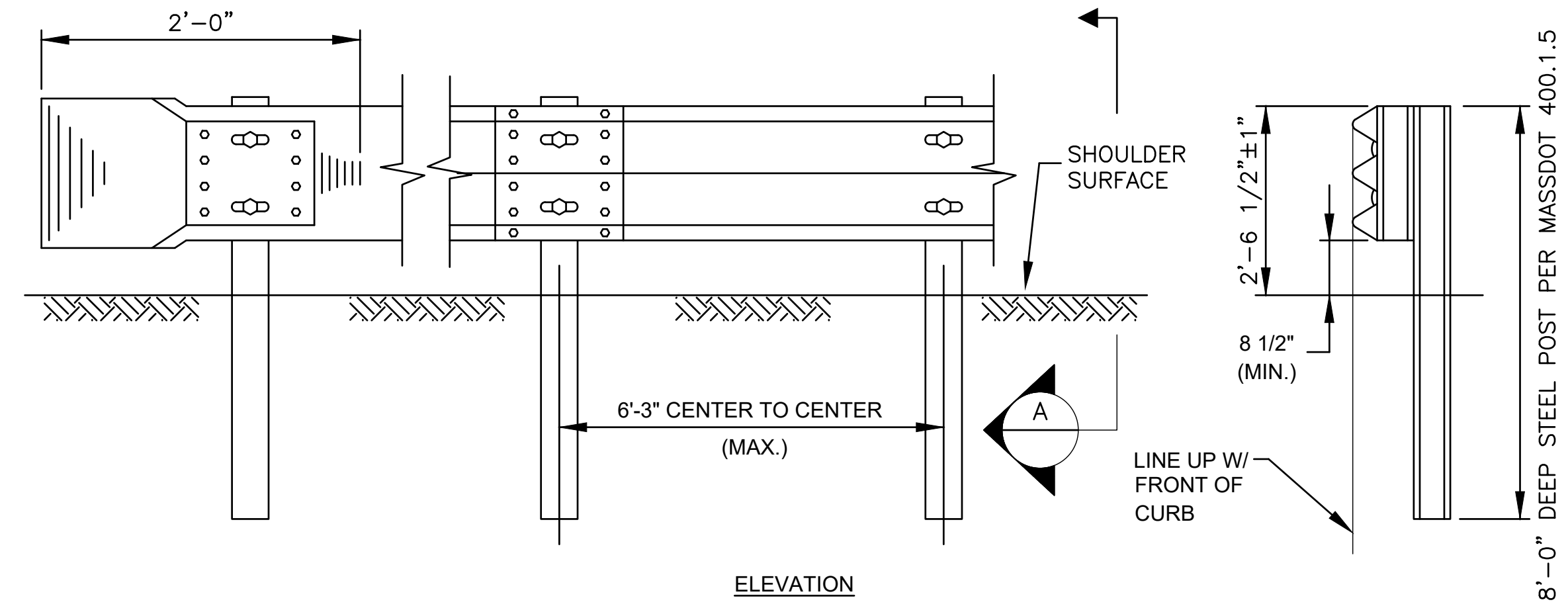


6 SLOPED GRANITE CURB DETAIL
SCALE: N.T.S.

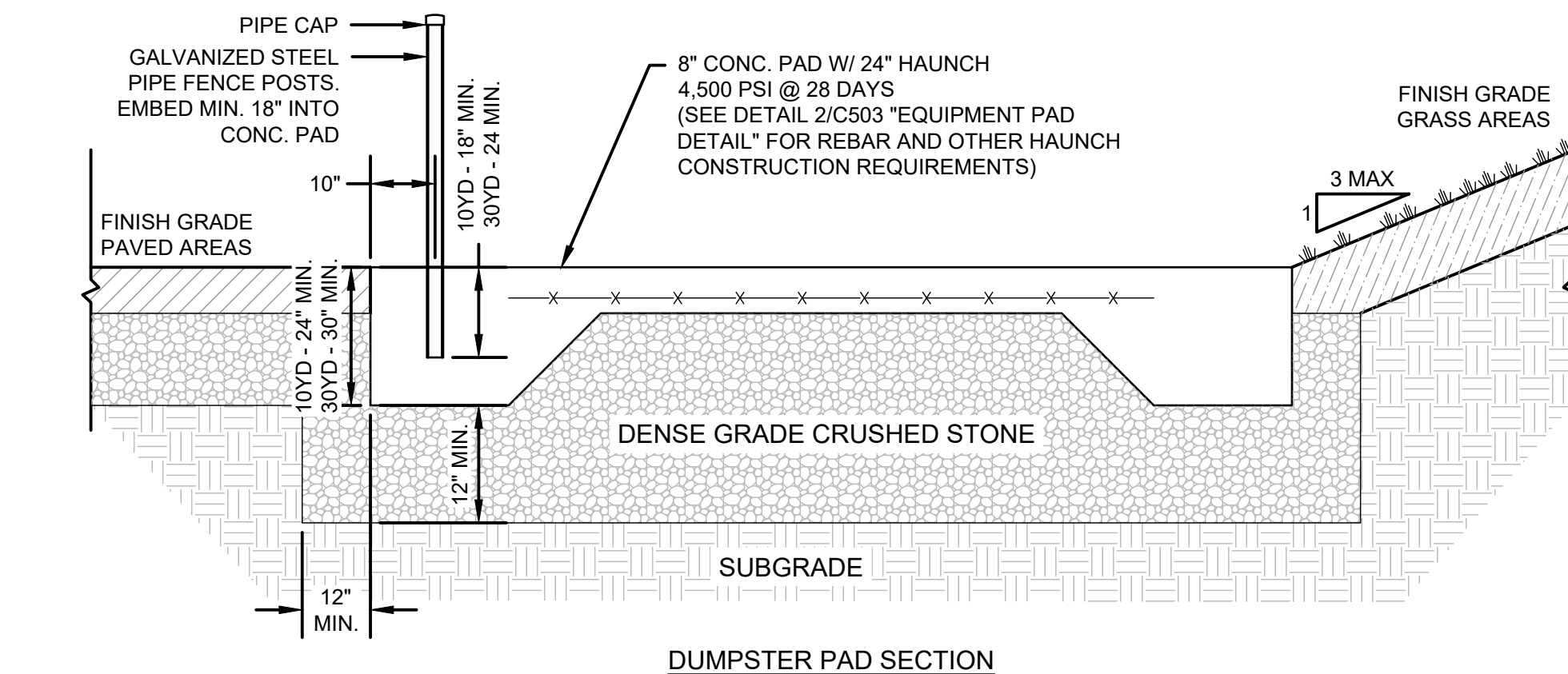
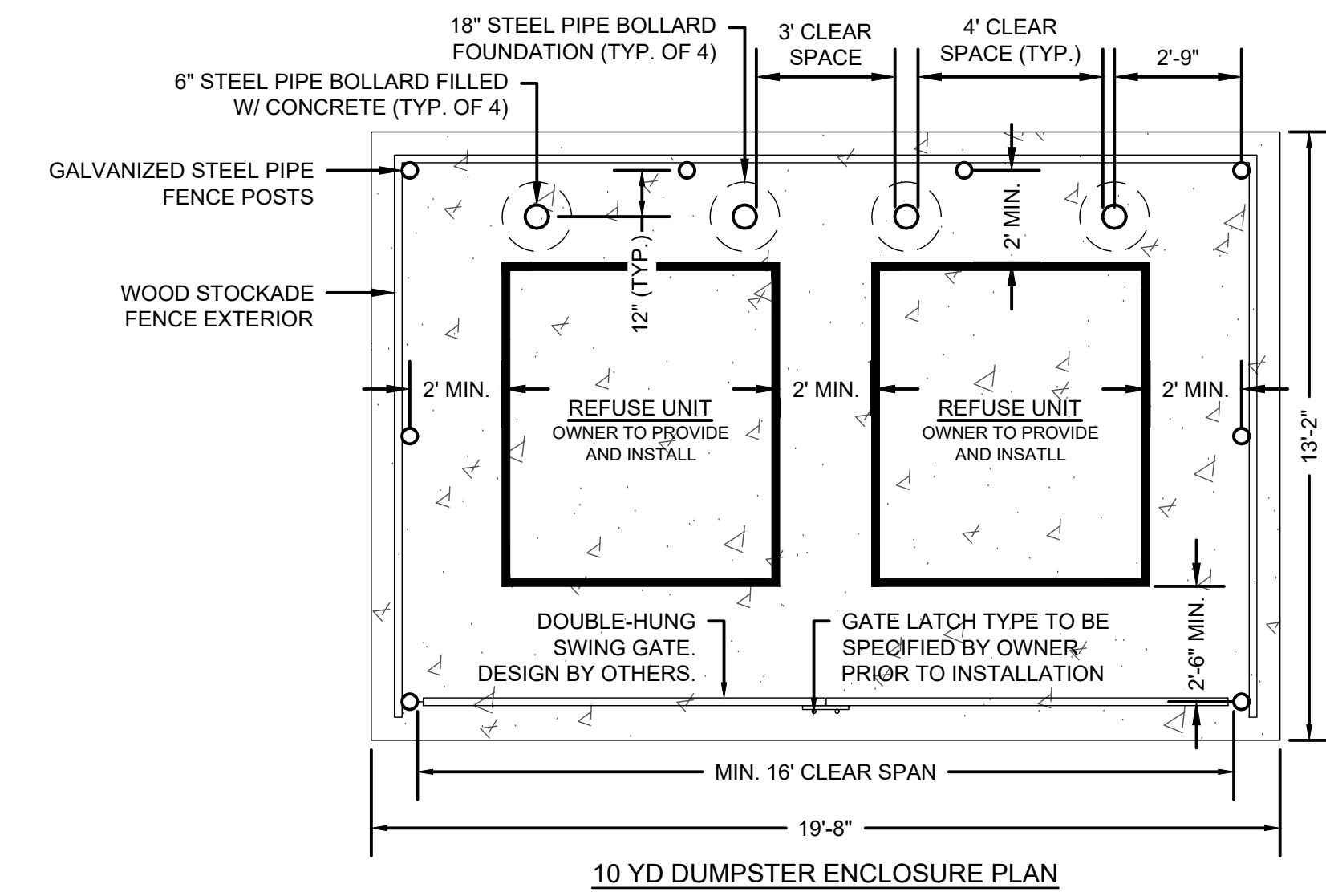


- NOTES:**
- FULL EXCAVATION DEPTH EQUALS LENGTH OF FOUNDATION TUBE PLUS 1'-0\"/>

8 FLAGPOLE DETAIL
SCALE: N.T.S.



3 GALVANIZED STEEL GUARDRAIL DETAIL
SCALE: N.T.S.



9 DUMPSTER ENCLOSURE DETAIL
SCALE: N.T.S.

Consultants:

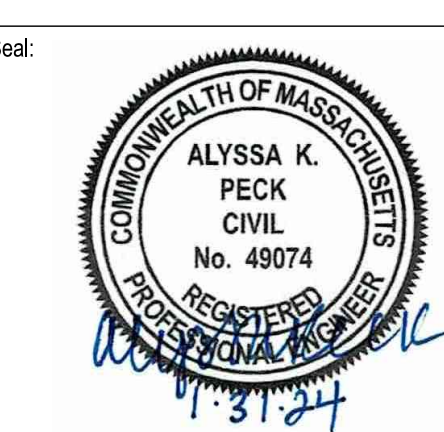
Revisions:

No.	Date	Description

COA:

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Date: FEBRUARY 1, 2024
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Reviewed By: EC
Approved By: AKP
W&S Project No.: ENG22-0799
W&S File No.: ---



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CIVIL DETAILS 3

Sheet Number:
C503

Consultants:

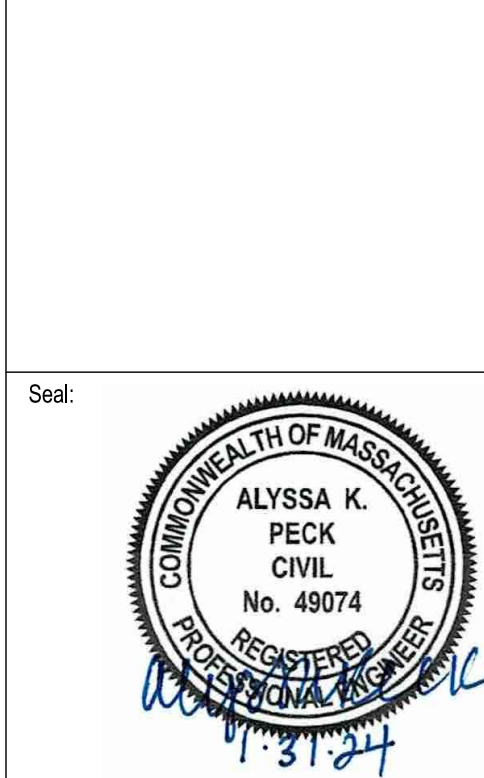
No.	Date	Description

Revisions:

No.	Date	Description

COA:

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Key Plan:

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Reviewed By: EC
Approved By: AKP
W&S Project No.: ENG22-0799
W&S File No.: ---

Drawing Title:
CIVIL DETAILS 4

Sheet Number:
C504

- NOTES:
- GENERAL CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF ALL CONCRETE PADS.
 - SEE LAYOUT AND GRADING PLANS FOR FINISH GRADE
 - COORDINATE WITH ALL CONTRACTORS AND ADJUST PAD LOCATIONS AND DIMENSIONS IN FIELD
 - SLABS 8" OR LESS IN THICKNESS SHALL HAVE ONE LAYER OF REINFORCING PLACED IN THE TOP ONE THIRD OF THE SLAB.
 - 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.
 - CONTRACTOR SHALL PROVIDE CAULK WITH POLYSULFIDE SEALANT AND PREFORMED JOINT FILLER WHERE EQUIPMENT PADS ADJOIN THE BUILDING.
 - EQUIPMENT PAD DETAIL SHALL BE USE FOR, BUT NOT LIMITED TO, THE ELECTRICAL TRANSFORMER PAD, EMERGENCY GENERATOR PAD, PROPANE TANK PAD AND KNOCKDOWN PAD.
 - CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR CONDUIT PENETRATIONS IN EQUIPMENT PADS

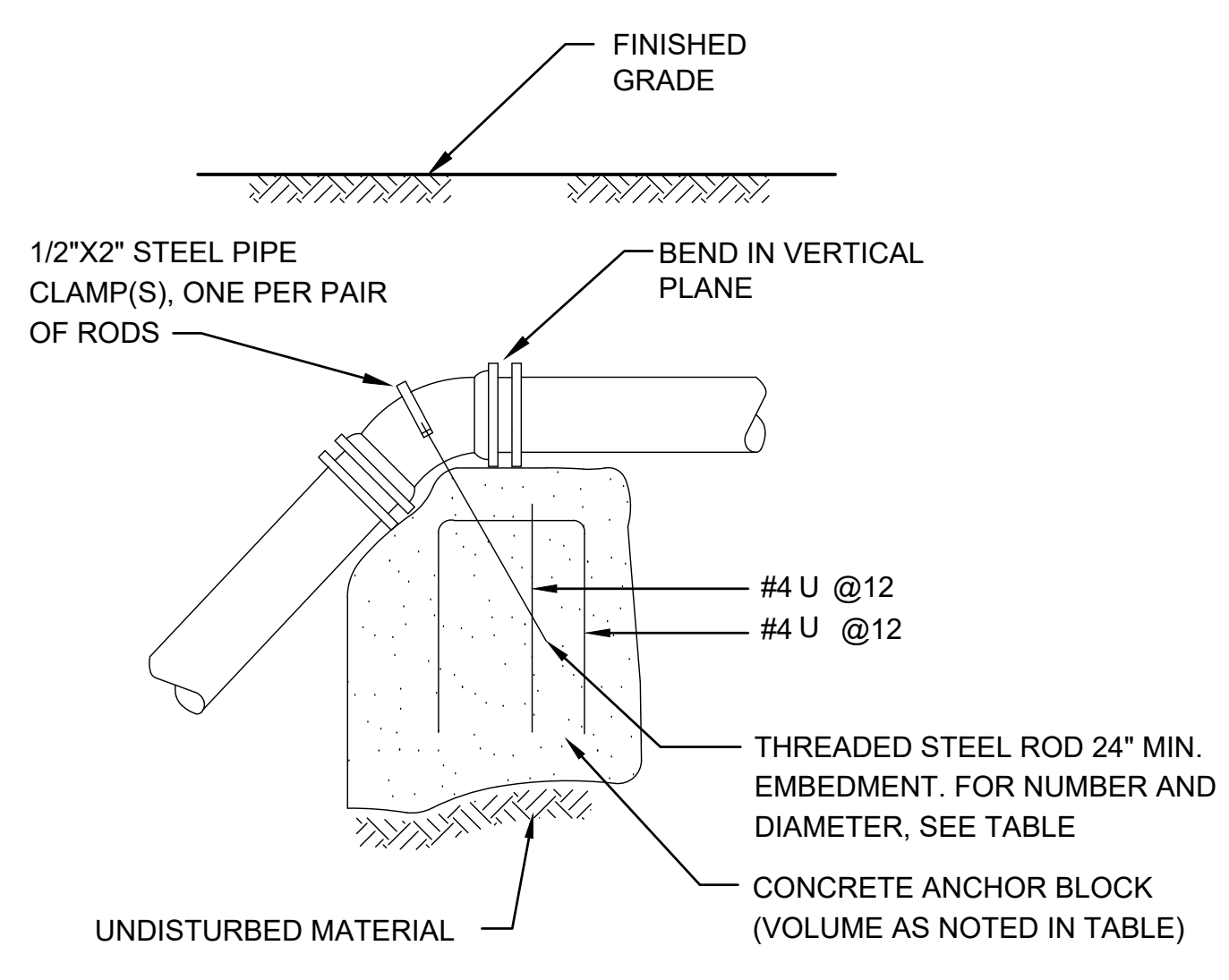


TABLE OF DIMENSIONS FOR ANCHOR BLOCKS

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"

1 ANCHOR BLOCK DETAIL
SCALE: N.T.S.

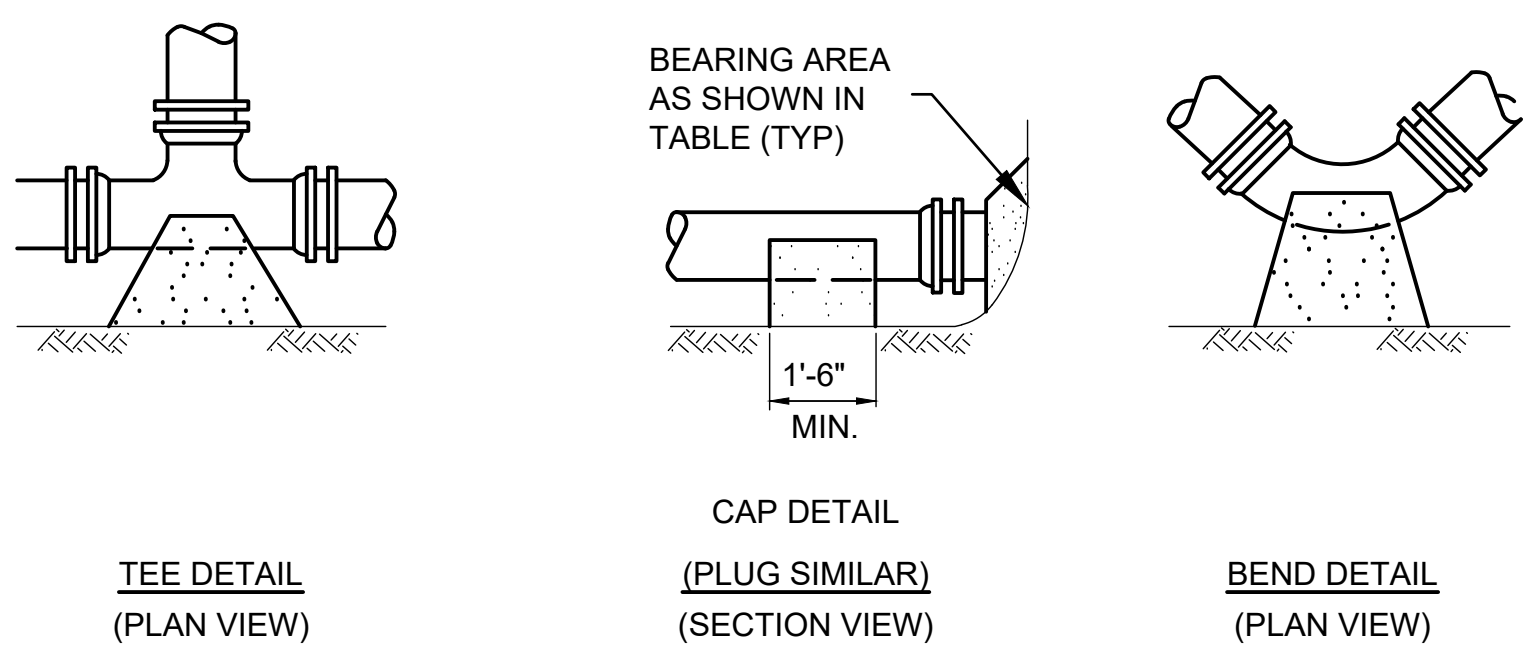
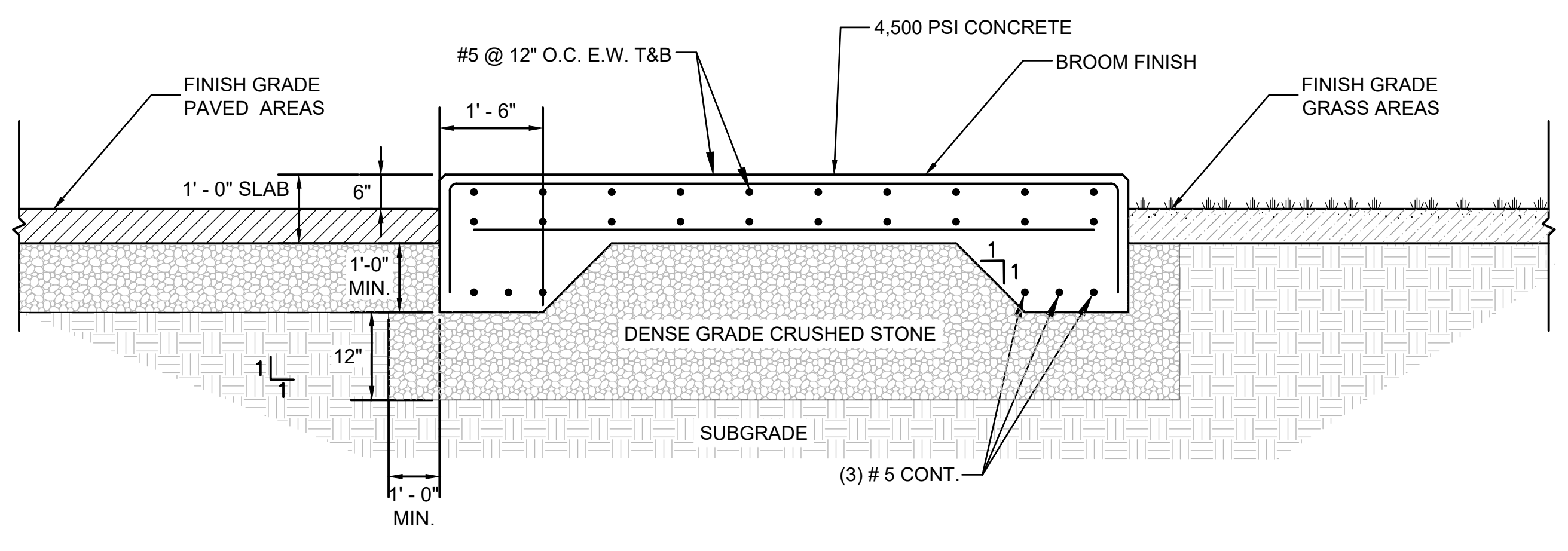


TABLE OF CONCRETE THRUST RESTRAINT MINIMUM BEARING AREAS IN SQUARE FEET AGAINST UNDISTURBED MATERIAL FOR WATER MAIN FITTINGS

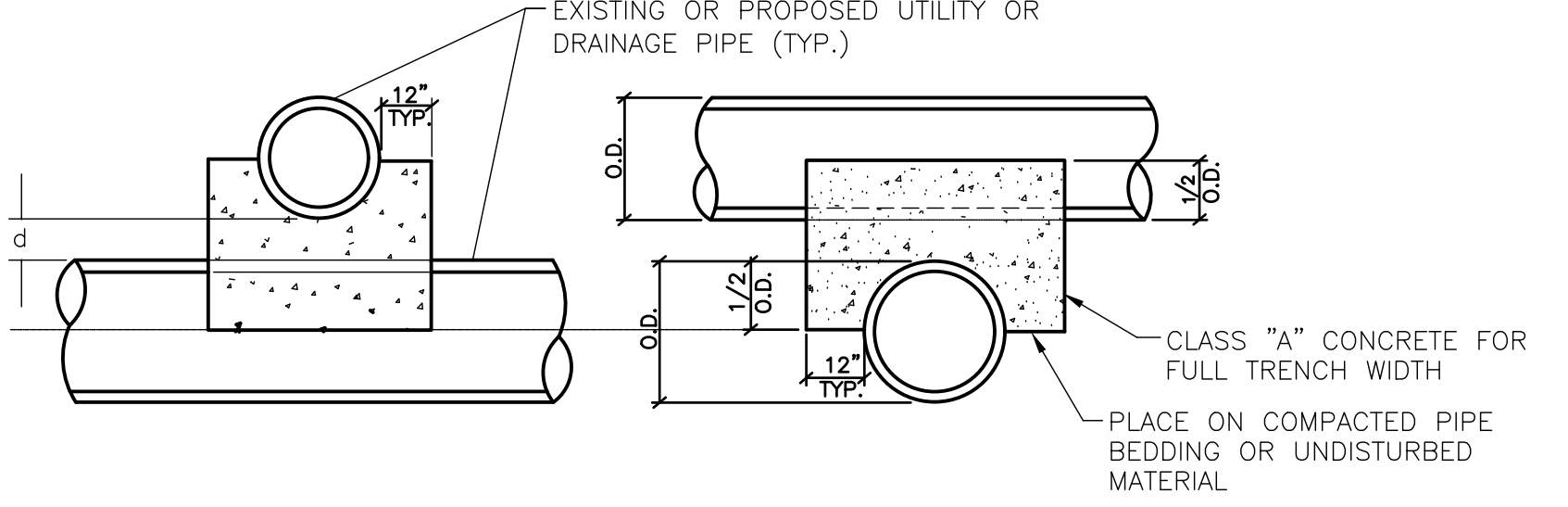
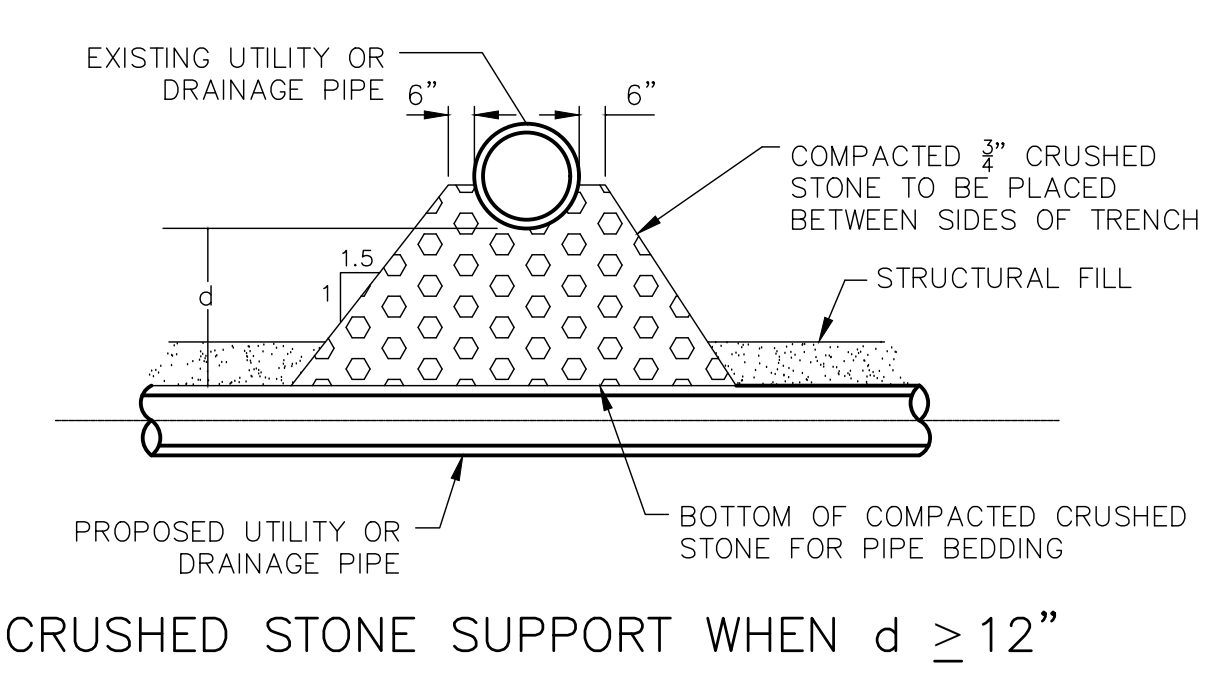
SIZE OF MAIN	90° BENDS, TEES, CAPS AND PLUGS	45° BENDS AND WYES	22-1/2" BENDS	11-1/4" BENDS
6", 8"	5	4	2	2
10", 12"	12	9	5	2
16"	20	15	8	4
20"	36	24	13	7

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

3 CONCRETE THRUST RESTRAINT FOR FITTINGS
SCALE: N.T.S.

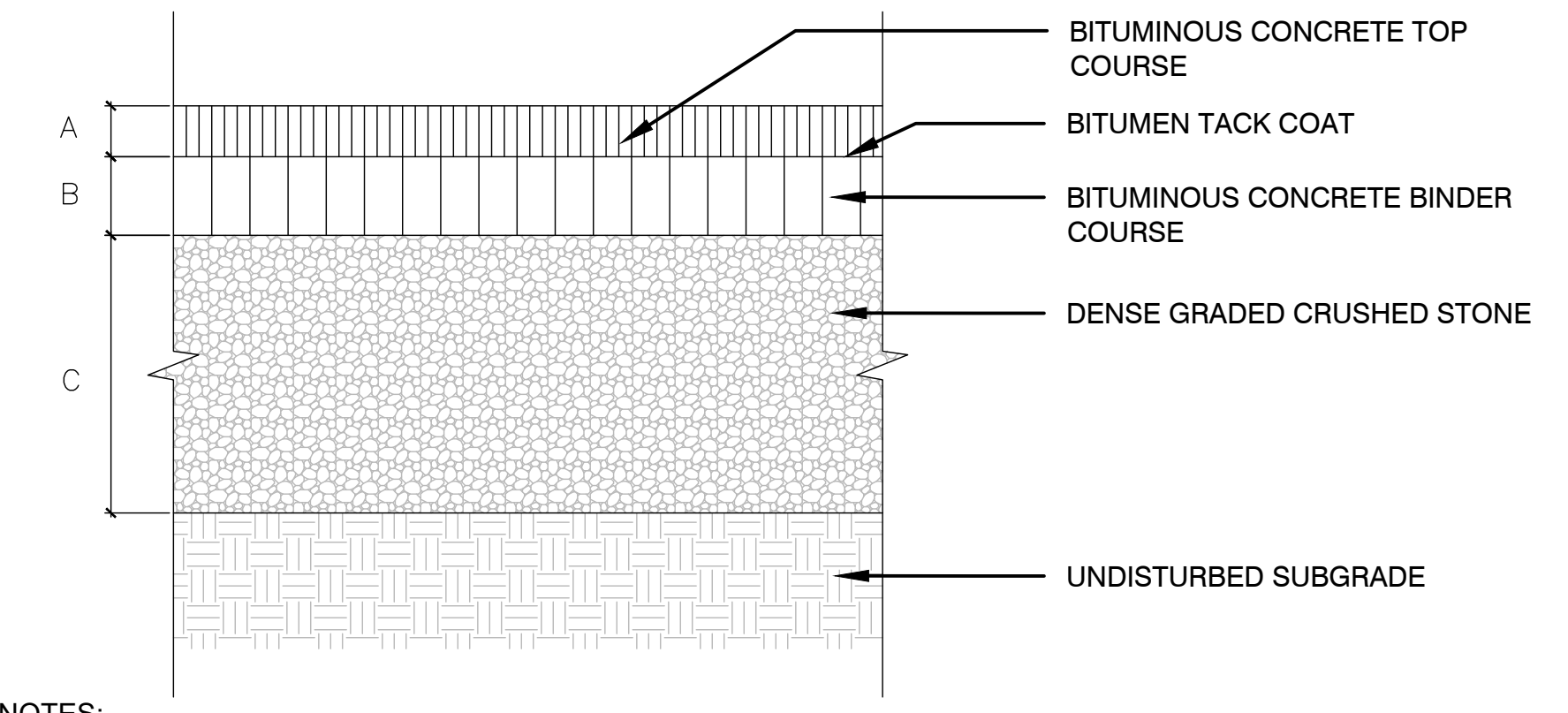


2 TYPICAL EQUIPMENT PAD DETAIL
SCALE: N.T.S.



- CONCRETE PIPE CRADLE WHEN $d < 12$ "
- NOTES:
- d = DISTANCE BETWEEN UTILITY AND DRAINAGE PIPES.
 - SUPPORTS SHALL BE INSTALLED WHERE SPECIFIED ON THE PLANS AND WHERE DIRECTED BY THE ENGINEER.
 - CRUSHED STONE SUPPORTS SHALL BE INCLUDED IN THE COST OF THE PROPOSED UTILITY OR DRAINAGE PIPE AND CONCRETE PIPE CRADLES SHALL BE PAID FOR AS "FIELD CONCRETE."

4 TYPICAL UTILITY SUPPORTS
SCALE: N.T.S.

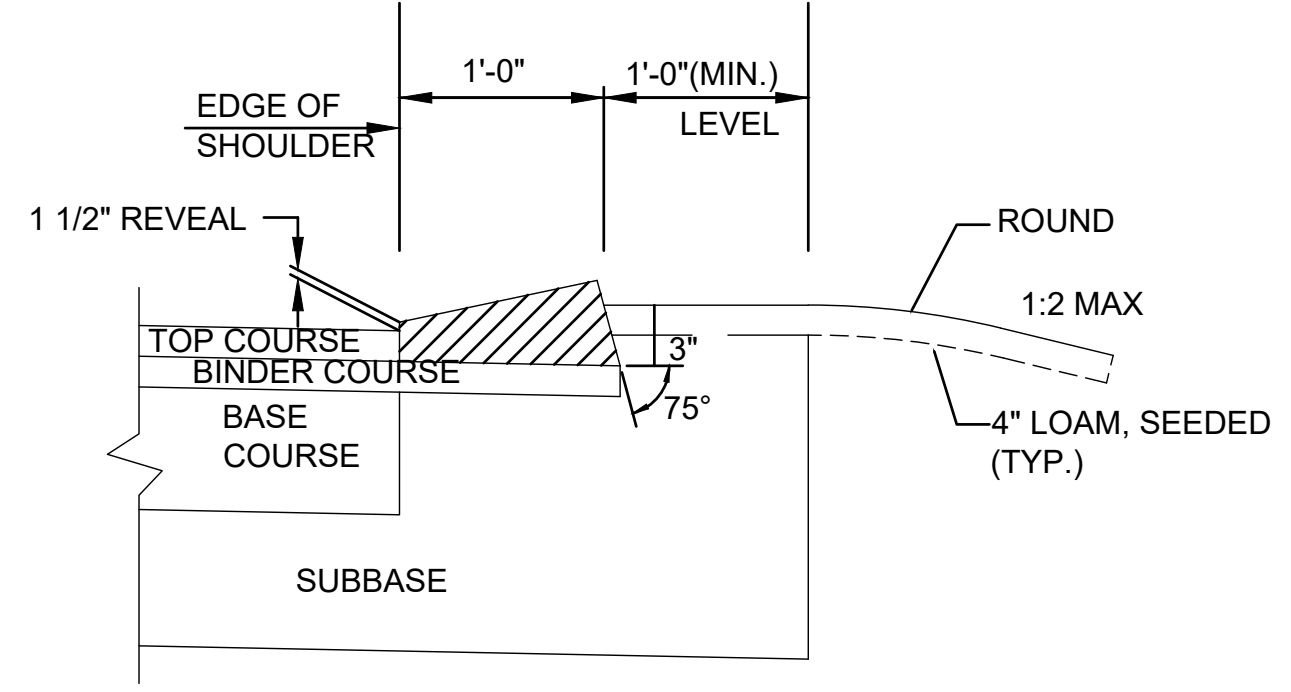


- NOTES:
- CONTRACTOR TO PROVIDE SMOOTH TRANSITION WHERE NEW PAVEMENT ABUTS EXISTING PAVEMENT, TYP.

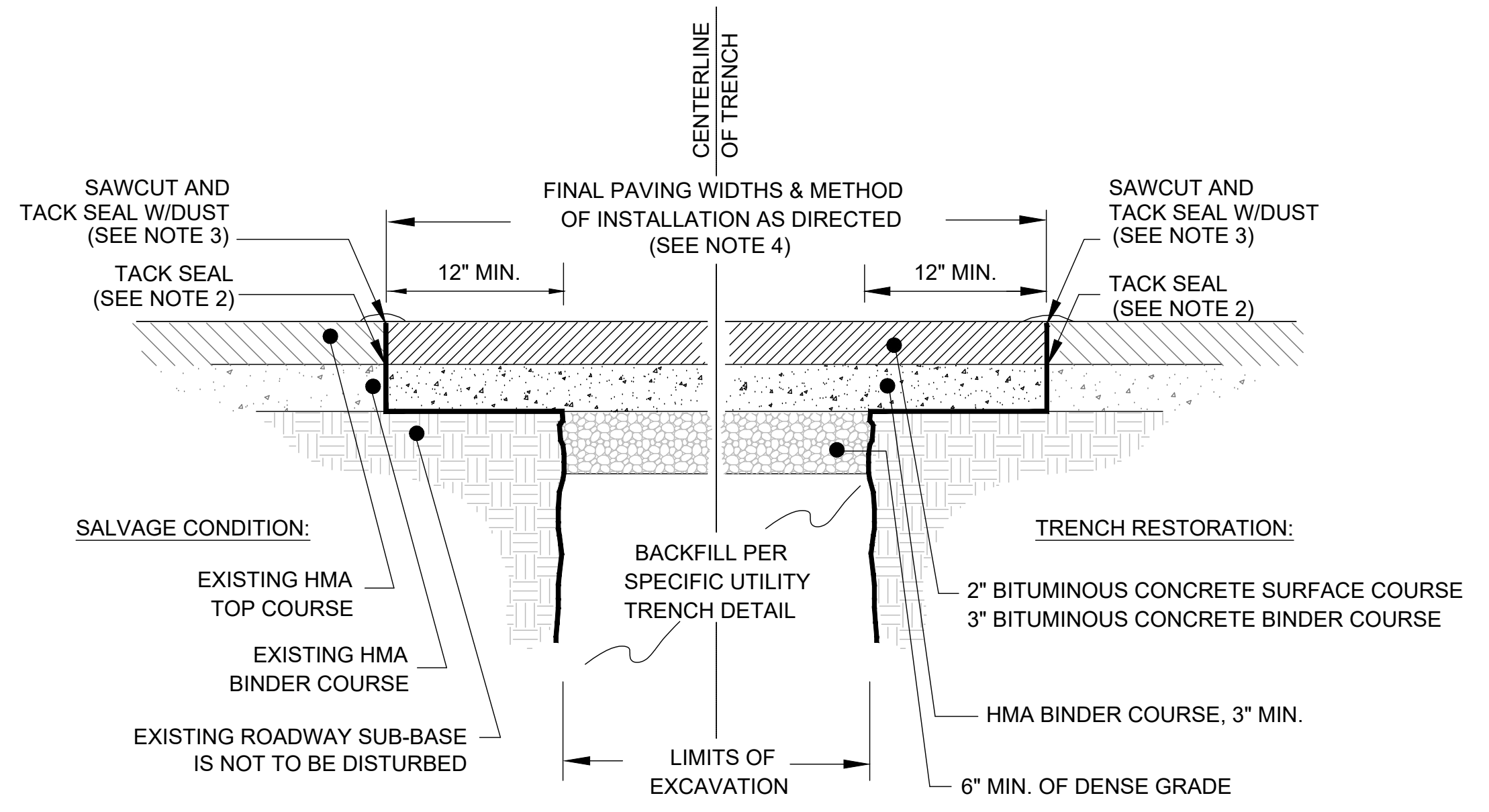
PAVEMENT DEPTH SCHEDULE

HEAVY DUTY	TOP (A)	BINDER (B)	BASE COURSE (C)
	2.0"	3.0"	16"

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

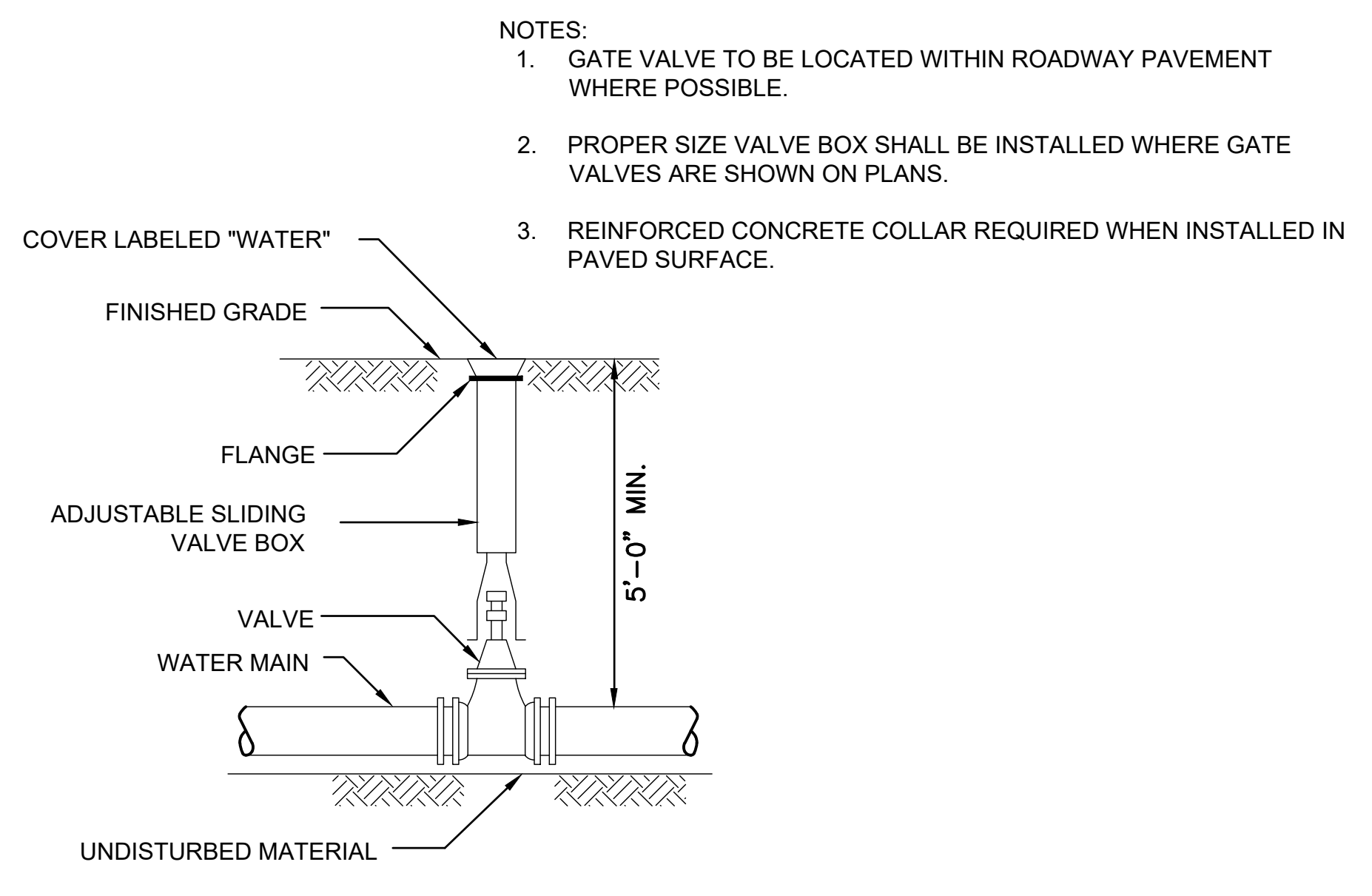


6 CAPE COD BERM
SCALE: N.T.S.



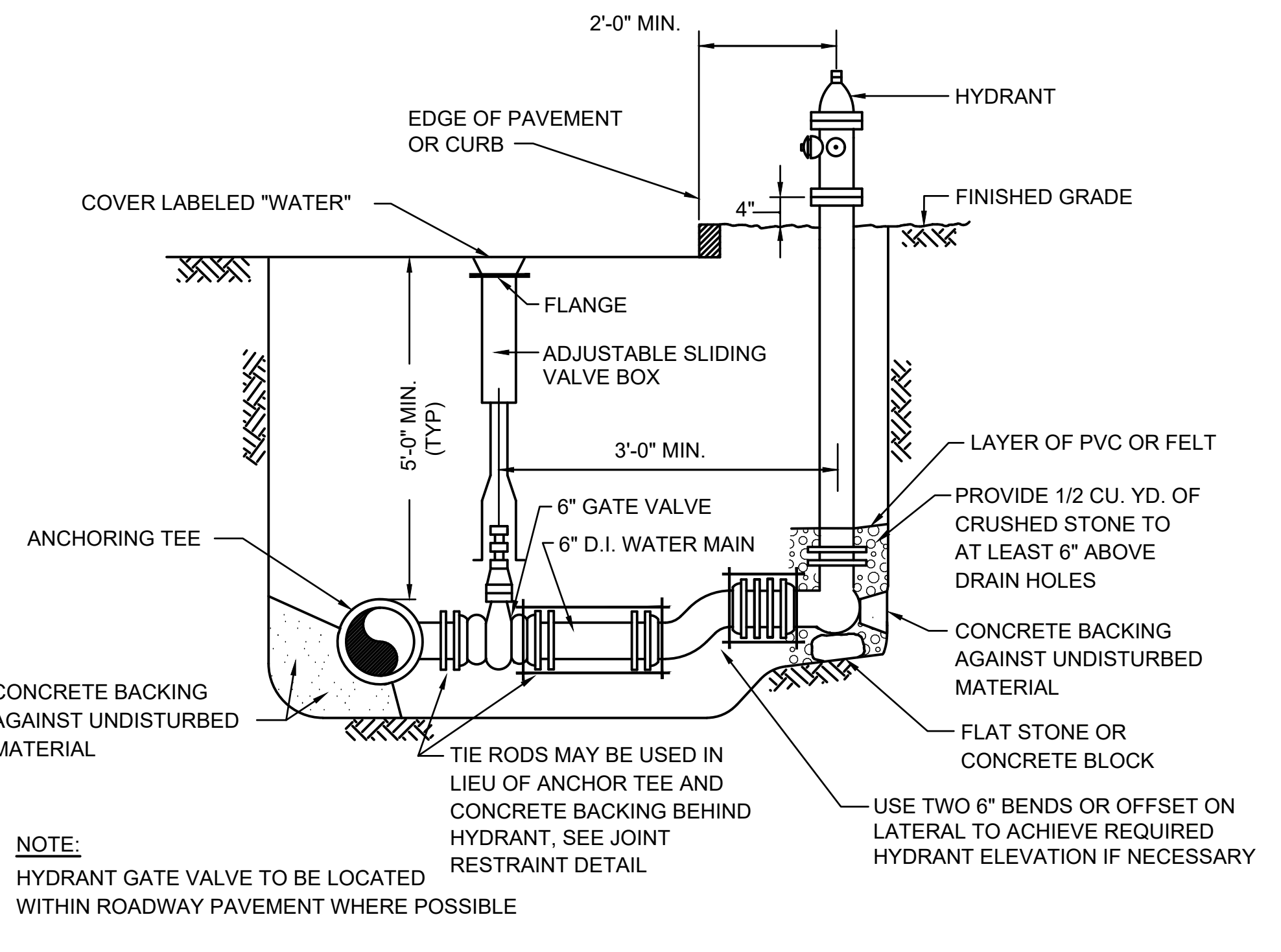
- NOTES:
- ALL INSTALLATION AND MATERIAL SPECIFICATIONS PER MASSACHUSETTS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES SHALL BE USED.
 - ALL EXPOSED HMA IS TO BE TACKED PER MHD PRIOR TO NEW BITUMINOUS CONCRETE INSTALLATION.
 - ALL EXPOSED JOINTS ARE TO BE SEALED WITH TACK AND STONE DUST.
 - ANY TOP COURSE APPLIED AT A WIDTH OF 6' WIDE OR GREATER IS TO BE PLACED BY MACHINE/BOX SPREADER WHEN & AS DIRECTED BY THE TOWN DUXBURY.

9 TYPICAL TRENCH REPAIR & PAVEMENT SECTION 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.

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

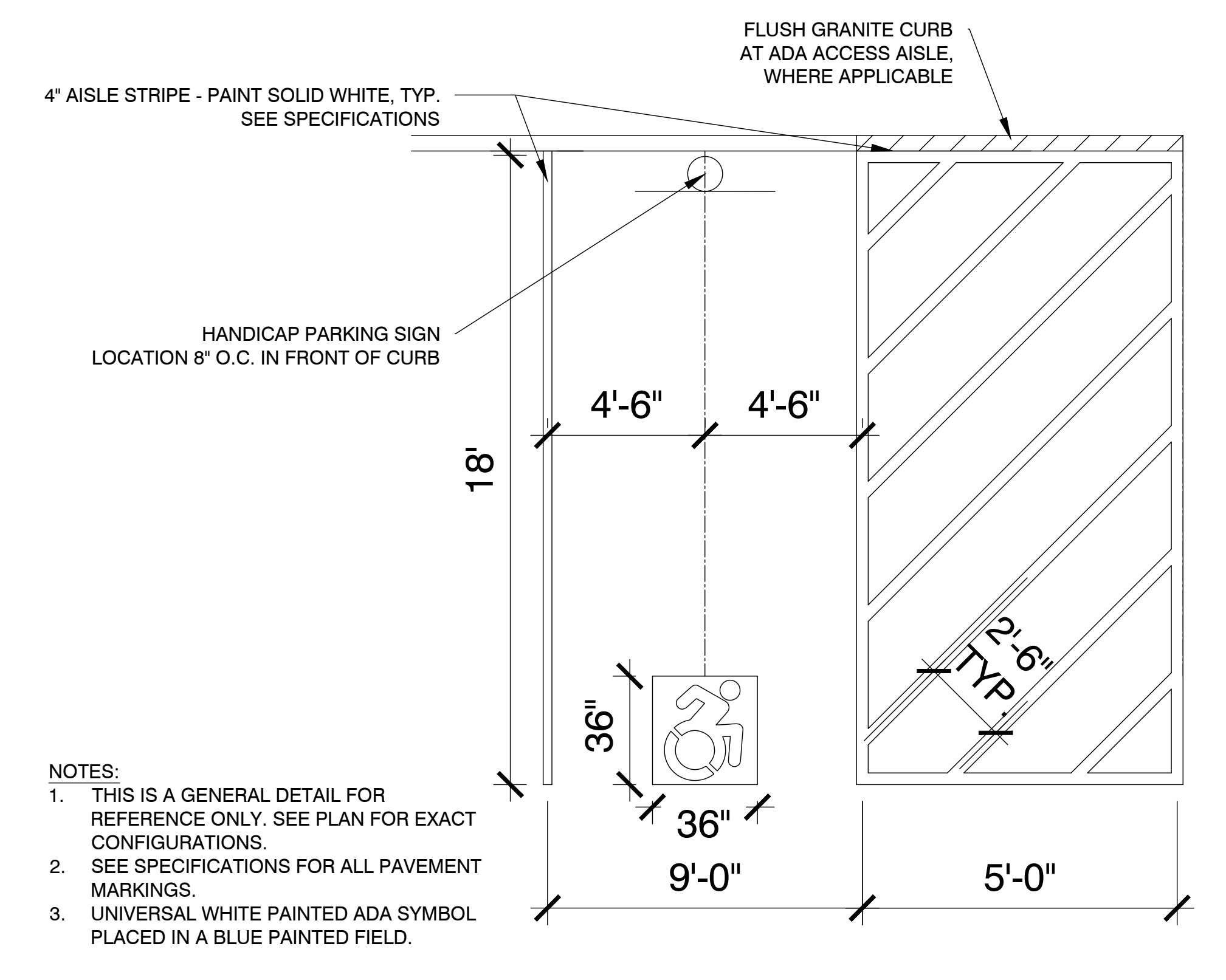
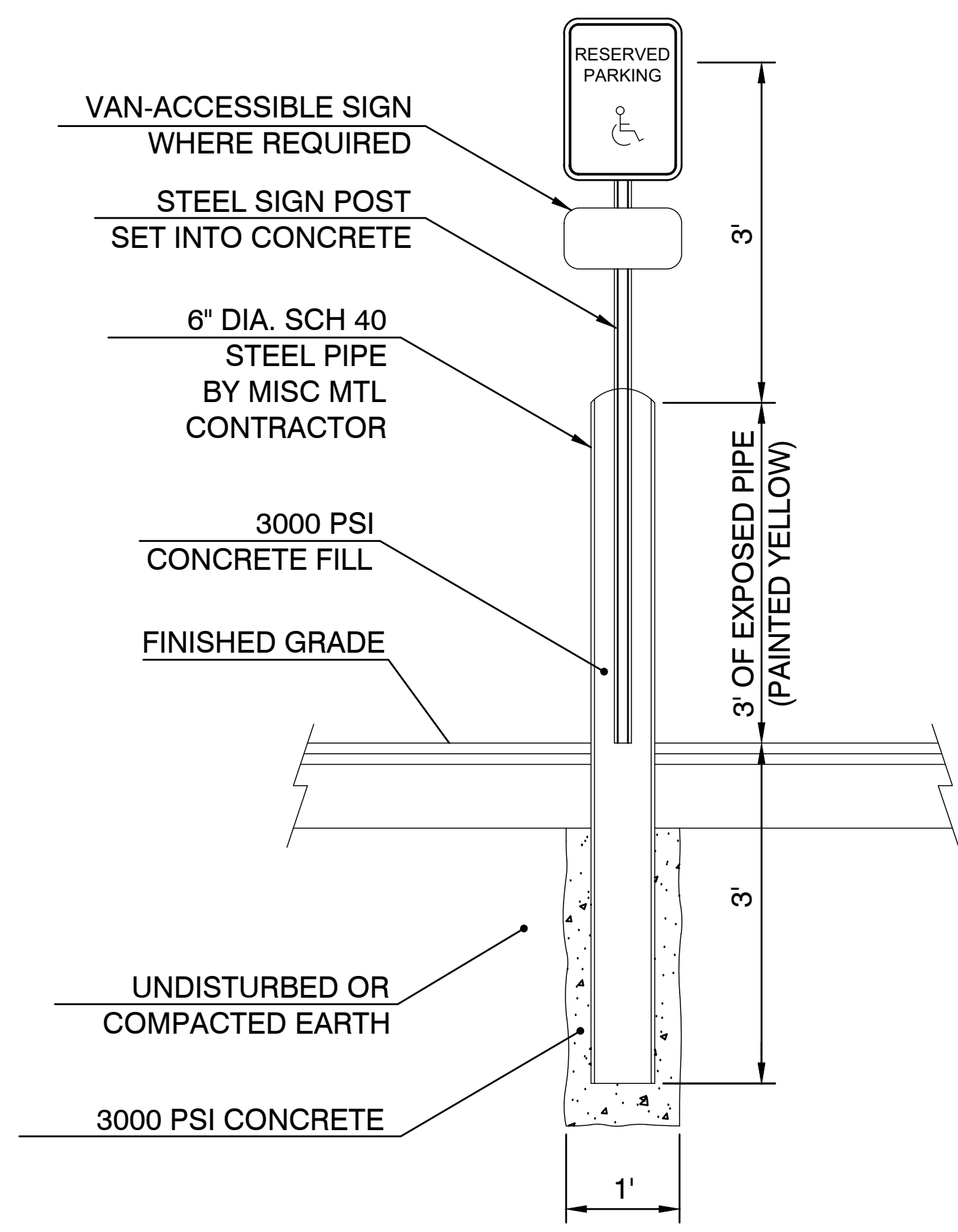


- NOTE:
- HYDRANT GATE VALVE TO BE LOCATED WITHIN ROADWAY PAVEMENT WHERE POSSIBLE

8 HYDRANT AND VALVE DETAIL
SCALE: N.T.S.

Consultants:

No.	Date	Description

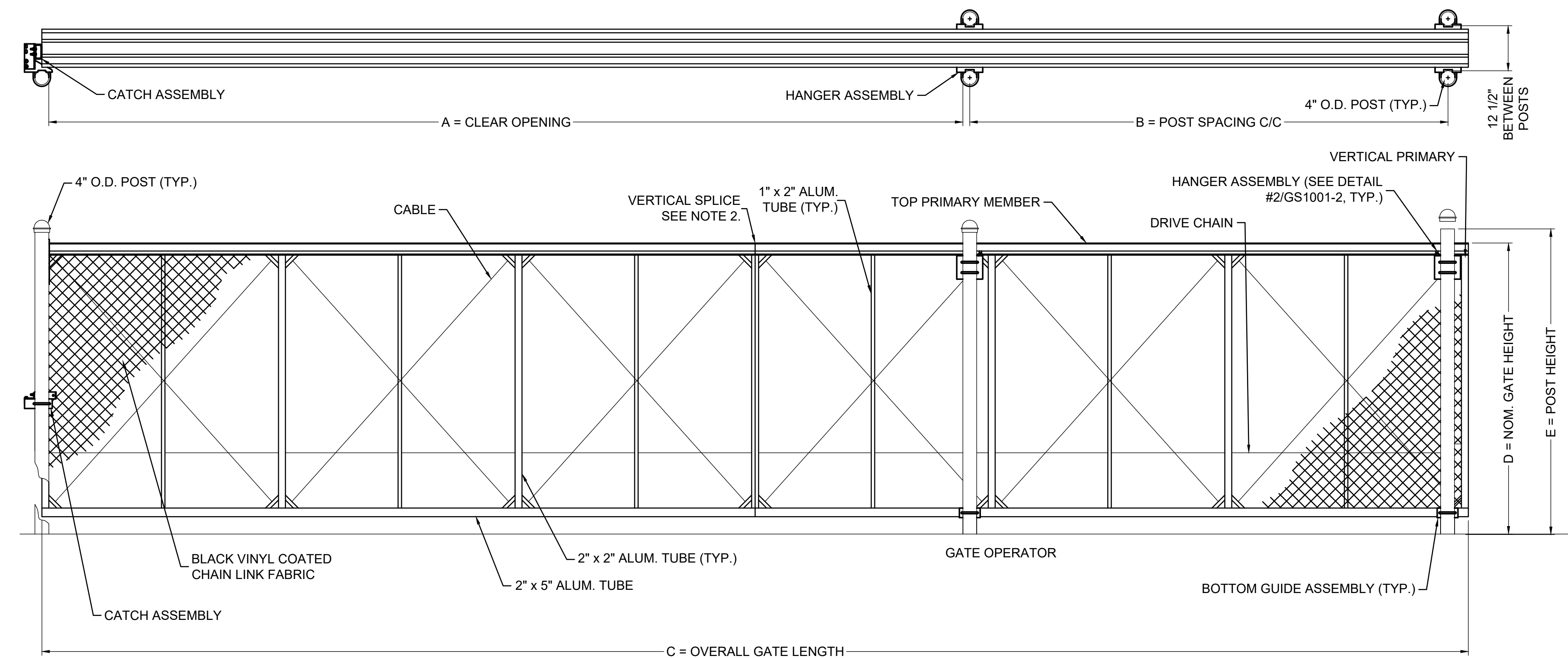


NOTES:
1. THIS IS A GENERAL DETAIL FOR REFERENCE ONLY. SEE PLAN FOR EXACT CONFIGURATIONS.
2. SEE SPECIFICATIONS FOR ALL PAVEMENT MARKINGS.
3. UNIVERSAL WHITE PAINTED ADA SYMBOL PLACED IN A BLUE PAINTED FIELD.

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

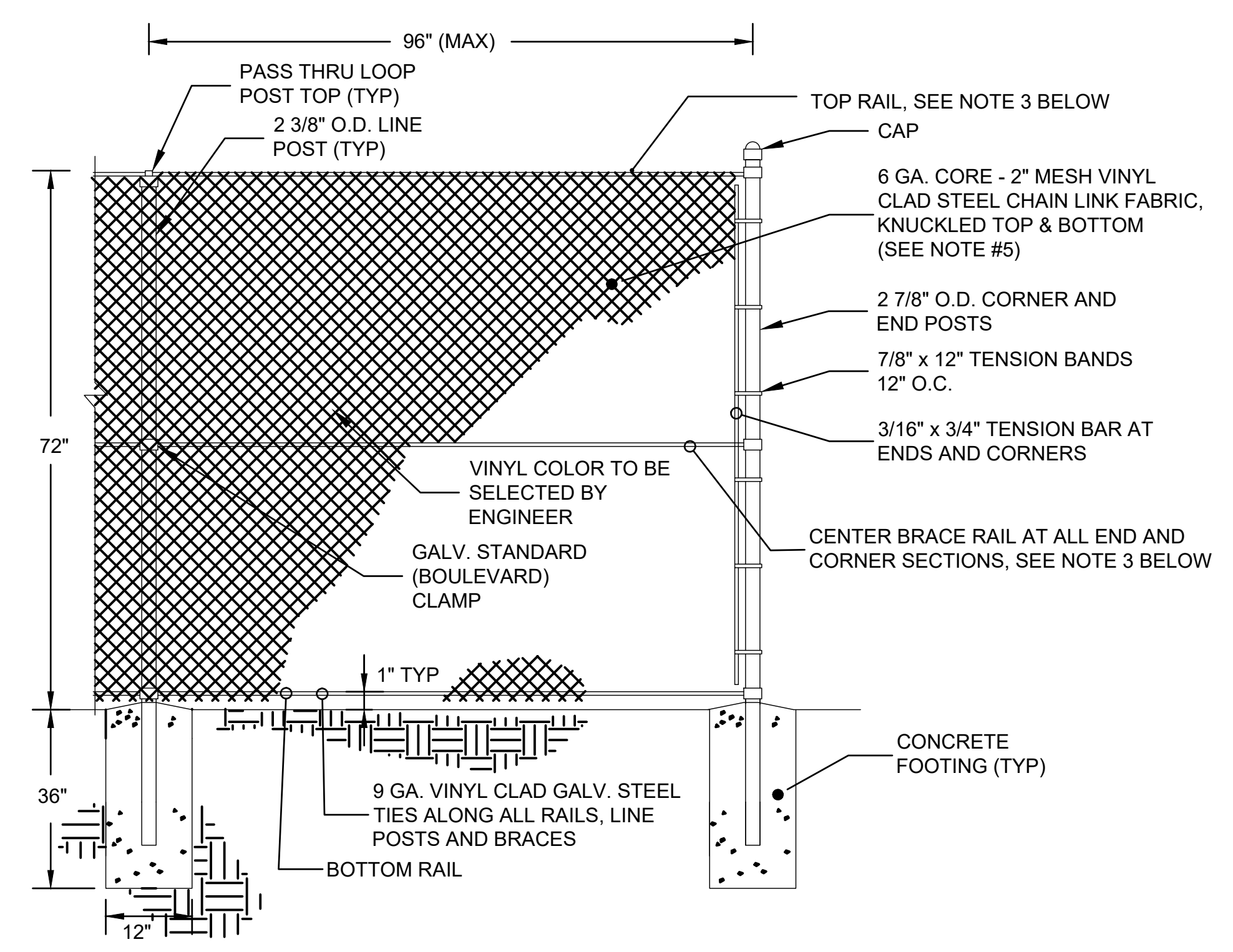
NOTE:
1. LOCATE CENTER OF 6\"/>

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



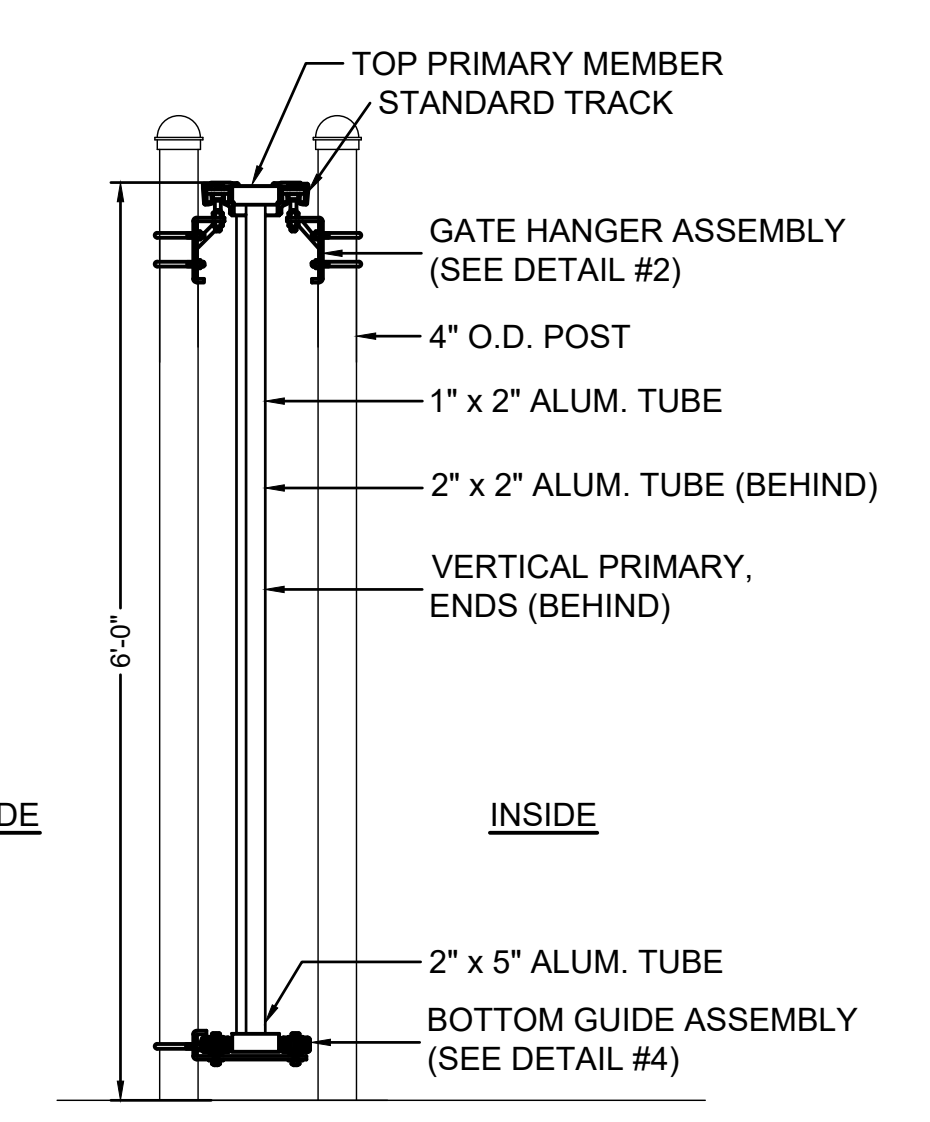
NOTES:
1. ALL FITTINGS PROVIDED FOR 4\"/>

3 MANUAL CANTILEVER SLIDE GATE
SCALE: N.T.S.



NOTES:
1. ALL FENCE PIPE SHALL BE SCH. 40, VINYL CLAD HOT DIP GALV. STEEL PIPE.
2. ALL LINE POSTS SHALL BE INSTALLED EQUALLY SPACED BETWEEN END & CORNER POSTS.
3. ALL RAILS SHALL BE 1.66\"/>

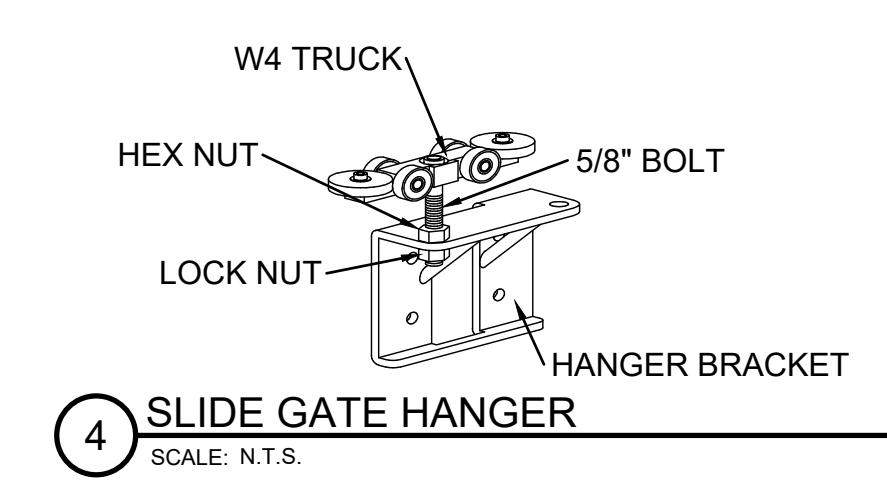
7 CHAIN LINK FENCE
SCALE: N.T.S.



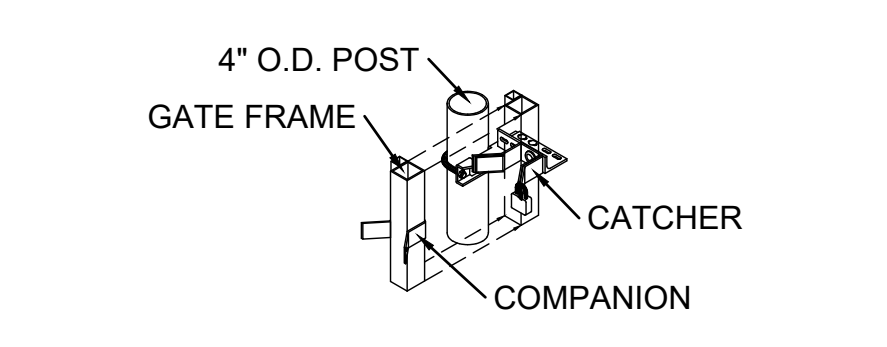
8 SLIDE GATE ASSEMBLY SECTION
SCALE: N.T.S.

GATE DIMENSIONS

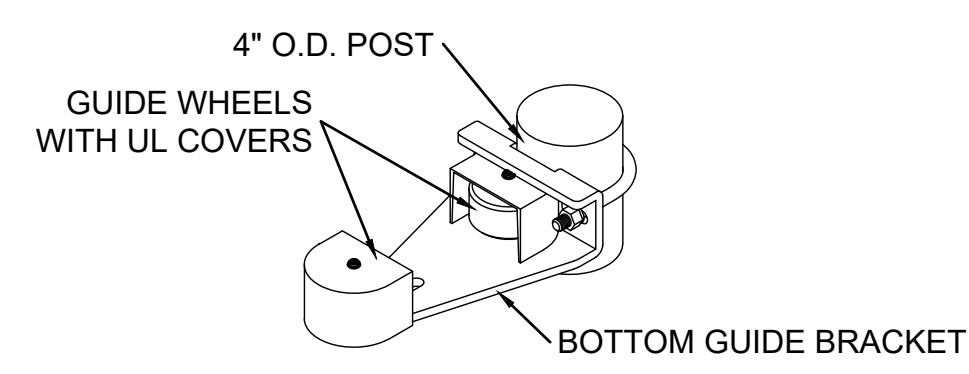
	SOUTH GATE	NORTH GATE
A	30'-0"	30'-0"
B	14'-1"	14'-1"
C	45'-0"	45'-0"
D	6'-0"	6'-0"
E	6'-6"	6'-6"



4 SLIDE GATE HANGER
SCALE: N.T.S.



5 SLIDE GATE CATCH ASSEMBLY
SCALE: N.T.S.



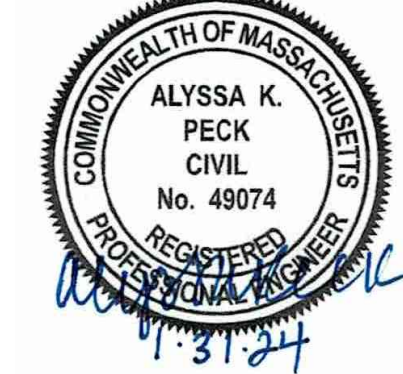
6 SLIDE GATE BOTTOM GUIDE
SCALE: N.T.S.

IDENTIFICATION NUMBER	TEXT	PANEL SIZE			NUMERALS & LETTERS				COLOR COMB.	NUMBER OF SIGNS REQUIRED	TOTAL AREA SQ. FT.	POST SIZE AND NUMBER REQUIRED	
		WIDTH	HEIGHT	CORNER RADII	BORDER WIDTH	MARGIN WIDTH	NUM. IN.	UPPER CASE					LOWER CASE
R1-1	STOP	30"	30"							WHITE ON RED	1	3.35	P5-1 1
R7-8	RESERVED PARKING	12"	18"							WHITE ON BLUE	2	3.00	P5-1 2
R5-11	AUTHORIZED VEHICLES ONLY	30"	24"							BLACK ON WHITE	3	15.00	P5-1 1
R5-1	DO NOT ENTER	30"	30"							WHITE ON RED	2	12.50	P5-1 0

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

COA:

Seal:



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SITE PLAN REVIEW

Scale: AS INDICATED

Key Plan:

Date: FEBRUARY 1, 2024
Drawn By: RSR
Reviewed By: EC
Approved By: AKP
W&S Project No.: ENG22-0799
W&S File No.: —

Drawing Title:
CIVIL DETAILS 5

Sheet Number:
C505

Consultants:

No.	Date	Description

Revisions:

No.	Date	Description

COA:



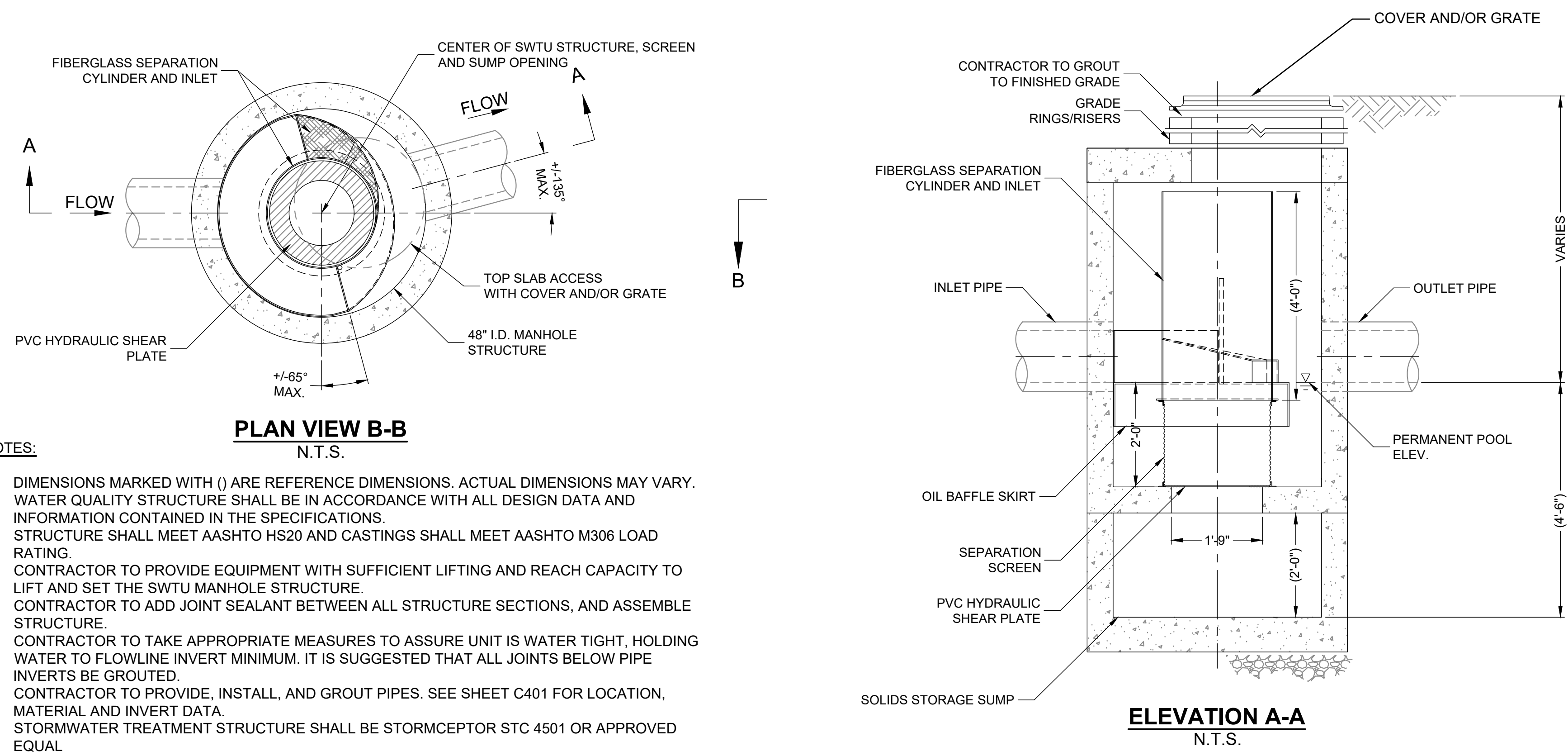
Issued For:
SITE PLAN REVIEW

Scale: AS INDICATED
Key Plan:

Date: FEBRUARY 1, 2024
Drawn By: RSR
Reviewed By: EC
Approved By: AKP
W&S Project No.: ENG22-0799
W&S File No.: --

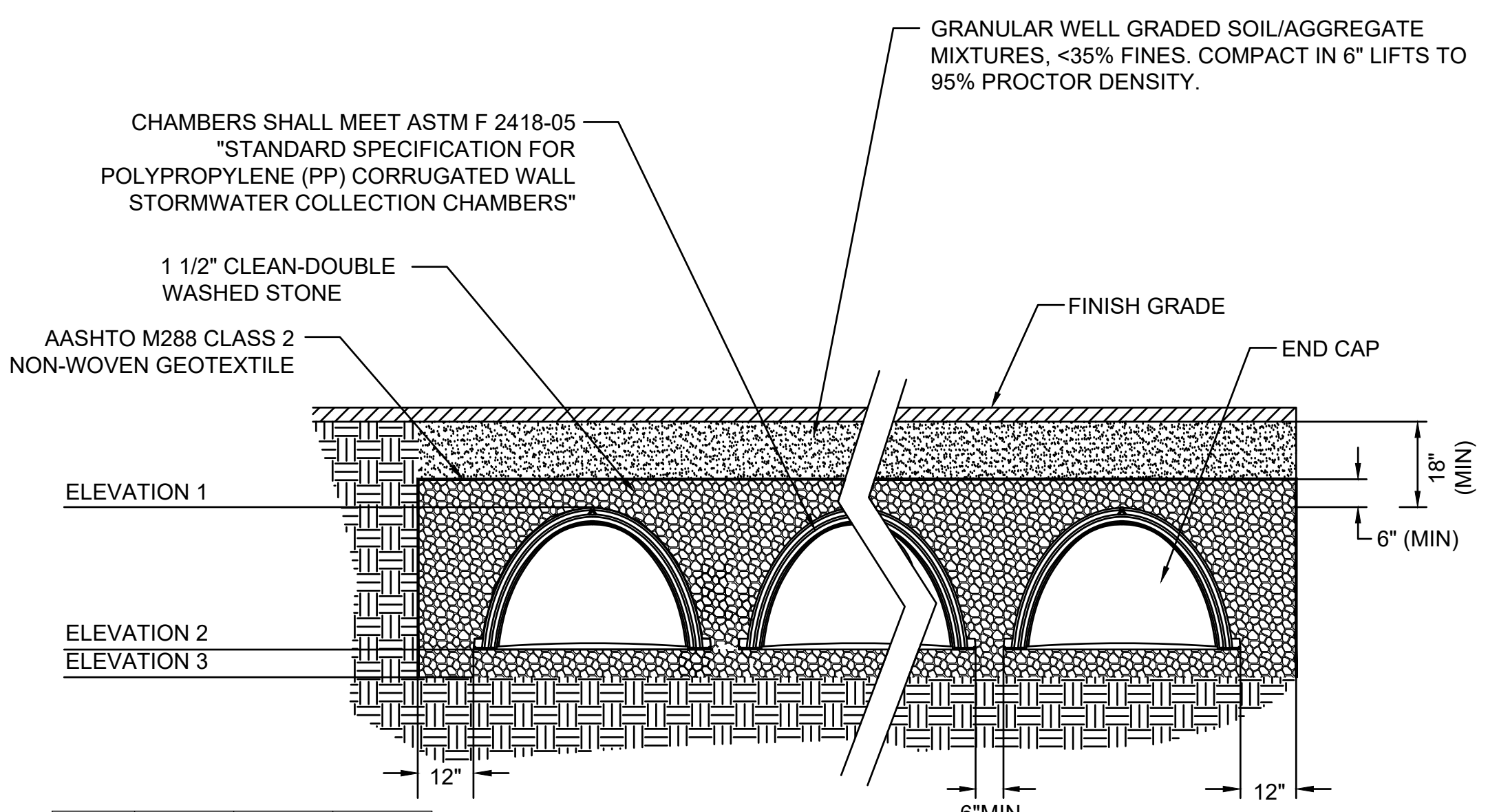
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CIVIL DETAILS 6

Sheet Number:
C506

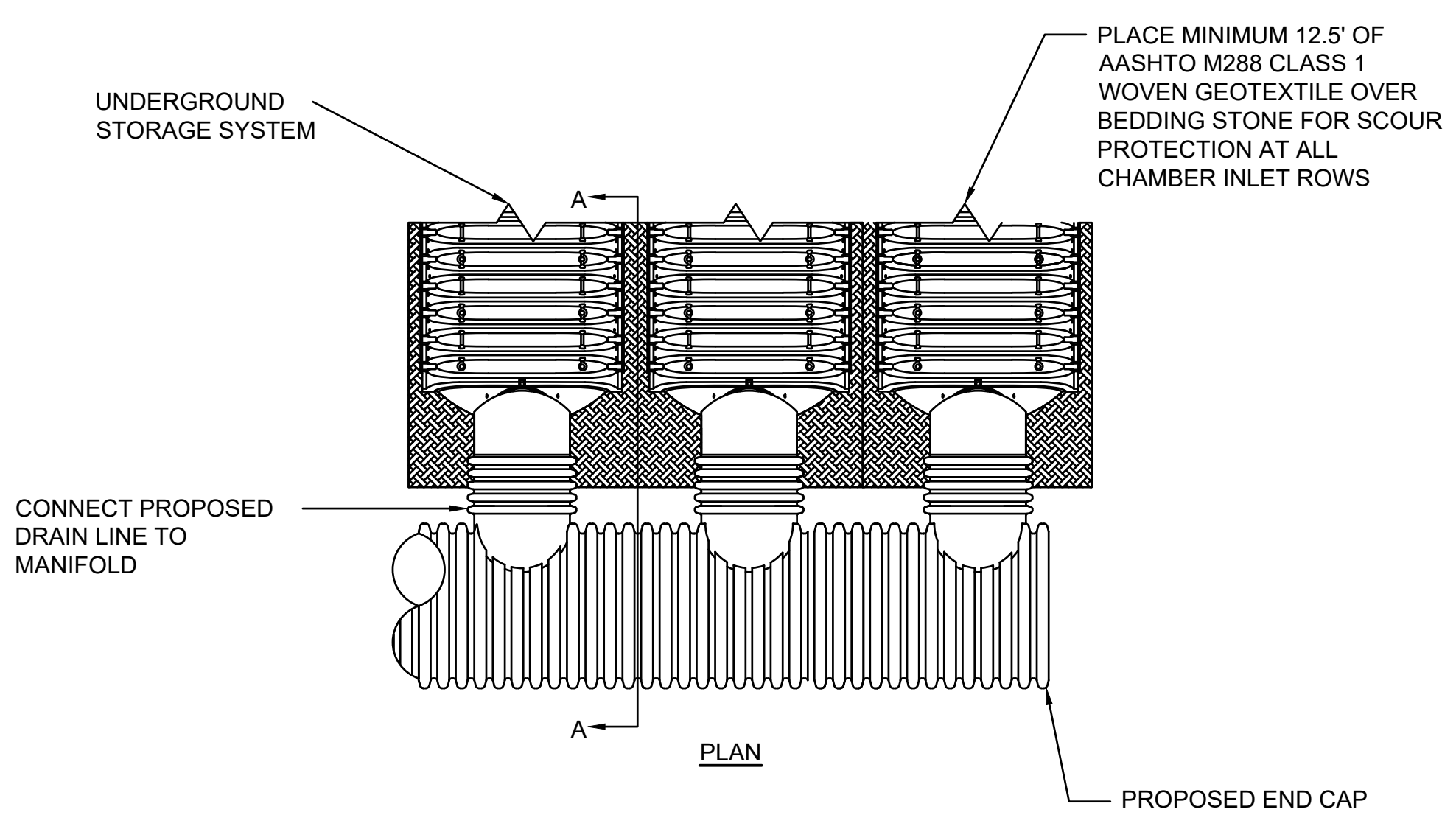


- NOTES:**
1. DIMENSIONS MARKED WITH () ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
 2. WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THE SPECIFICATIONS.
 3. STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET AASHTO M306 LOAD RATING.
 4. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE SWTU MANHOLE STRUCTURE.
 5. CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
 6. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS BE GROUTED.
 7. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. SEE SHEET C401 FOR LOCATION, MATERIAL AND INVERT DATA.
 8. STORMWATER TREATMENT STRUCTURE SHALL BE STORMCEPTOR STC 4501 OR APPROVED EQUAL.

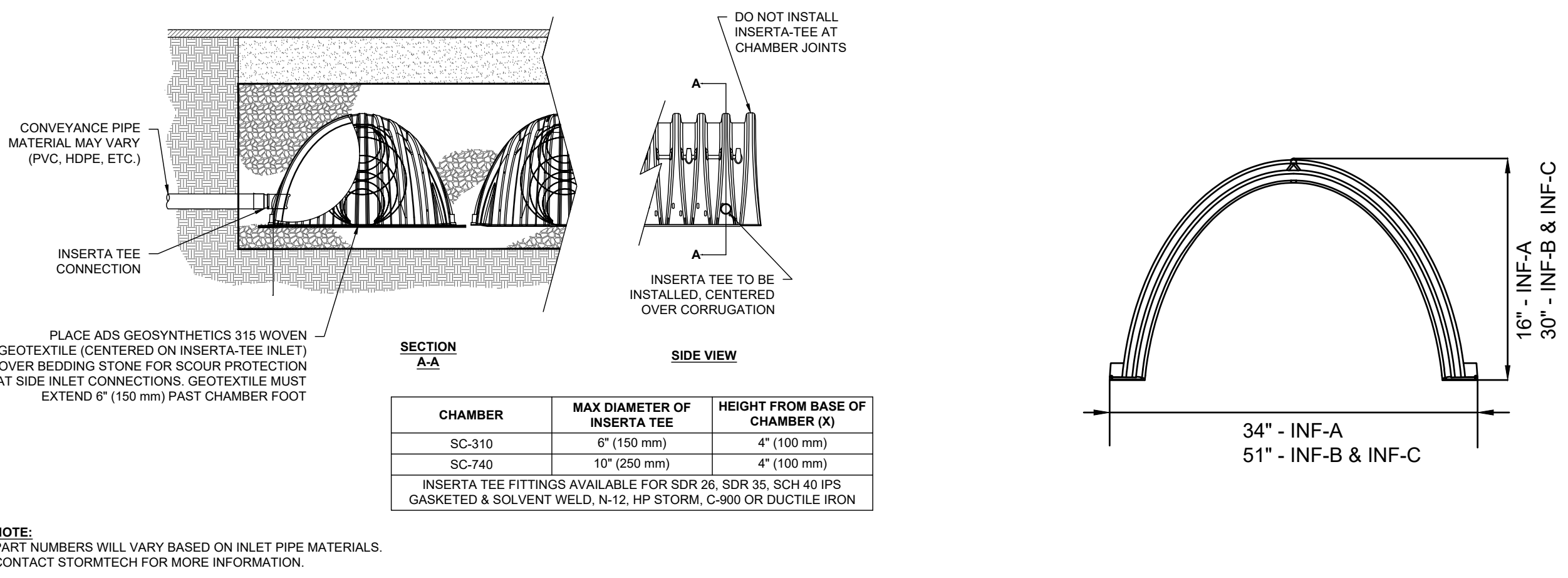
1 STORMWATER TREATMENT UNIT (SWTU)
SCALE: N.T.S.



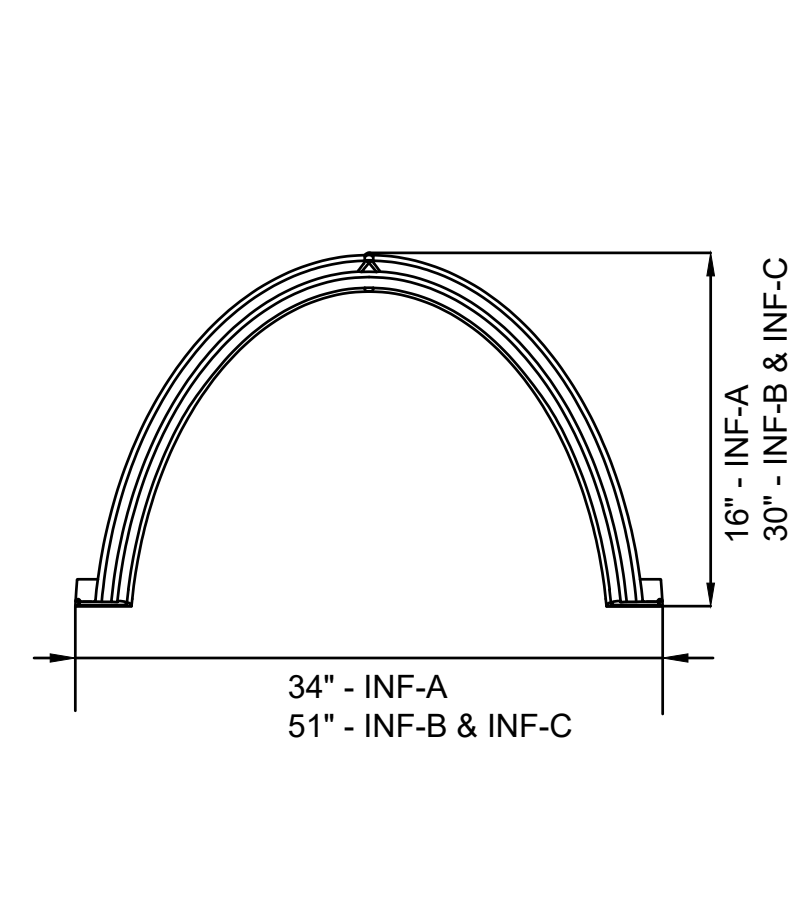
2 INFILTRATION/RECHARGE CHAMBER - SECTION
SCALE: N.T.S.



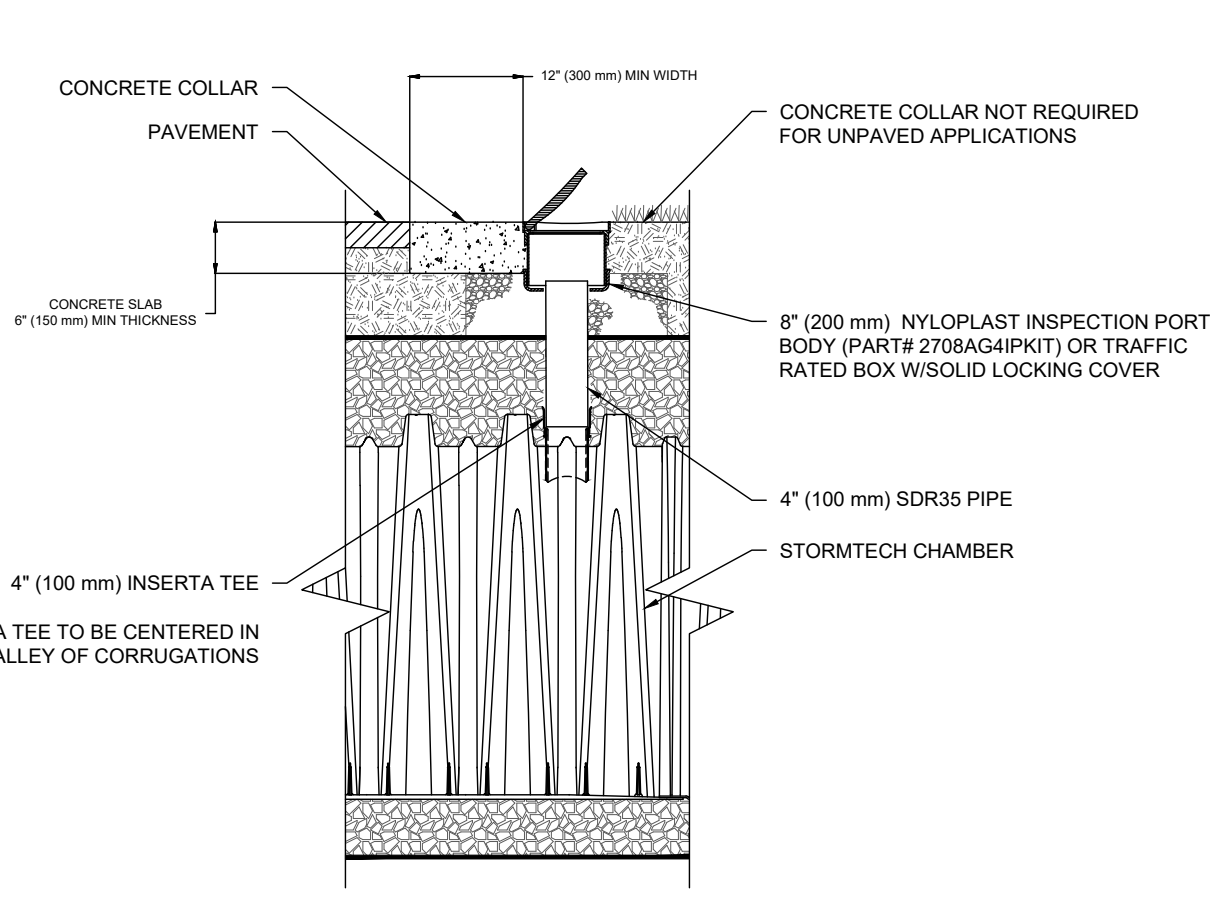
3 INFILTRATION/RECHARGE CHAMBER - MANIFOLD CONNECTION
SCALE: N.T.S.



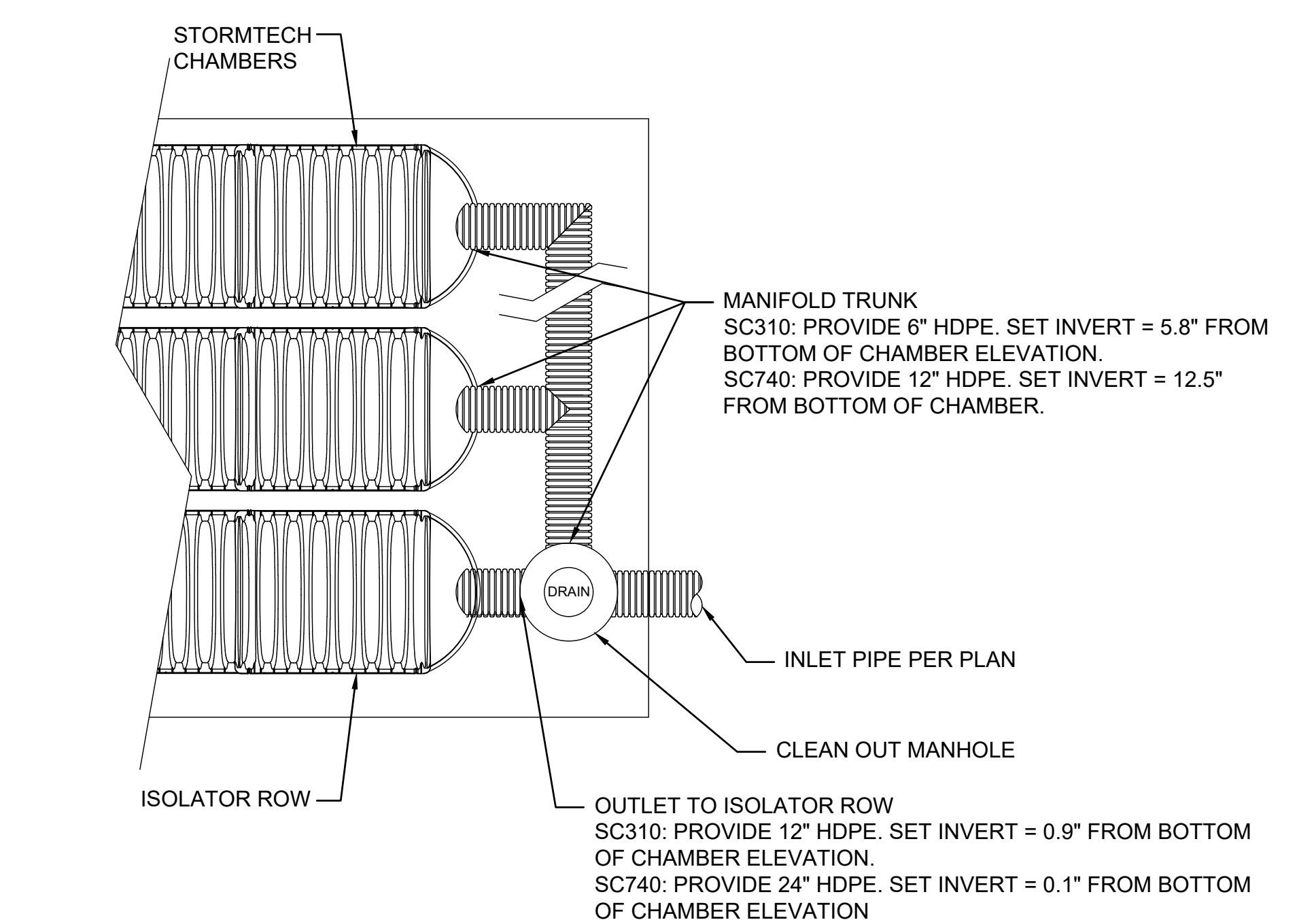
4 INSERTA TEE DETAIL
SCALE: N.T.S.



5 CHAMBER UNIT DETAIL
SCALE: N.T.S.



6 4" PVC INSPECTION PORT DETAIL
SCALE: N.T.S.



7 INFILTRATION CHAMBER CONNECTION TO ISOLATOR ROW AND MANIFOLD
SCALE: N.T.S.

Revisions:

No.	Date	Description

COA:

No.	Date	Description

Seal:

Issued For:

SITE PLAN REVIEW

Scale: AS INDICATED

Key Plan:

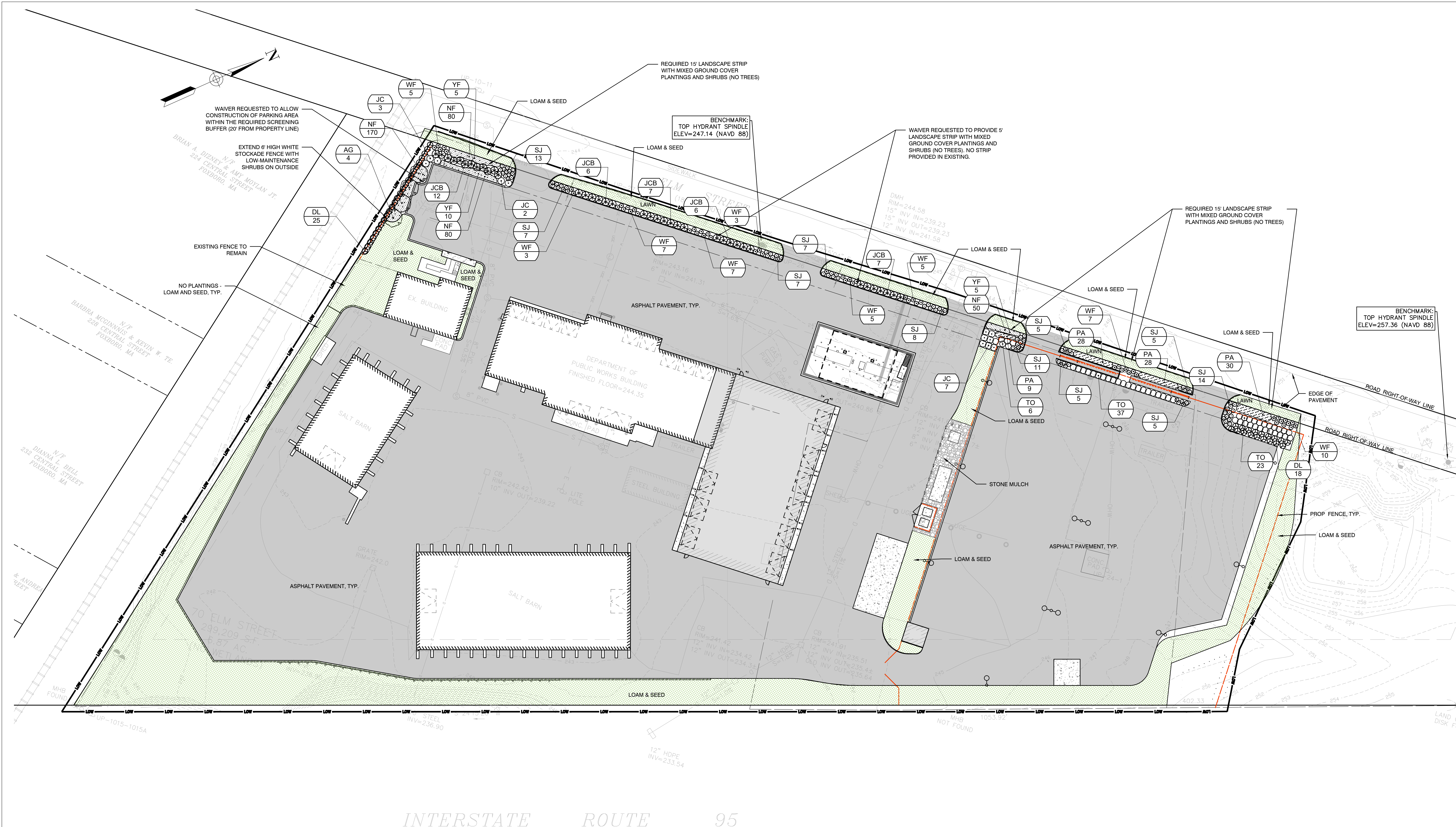
Date: FEBRUARY 1, 2024
Drawn By: RSR
Reviewed By: ---
Approved By: ---
W&S Project No.: ENG22-0799
W&S File No.: ---

Drawing Title:

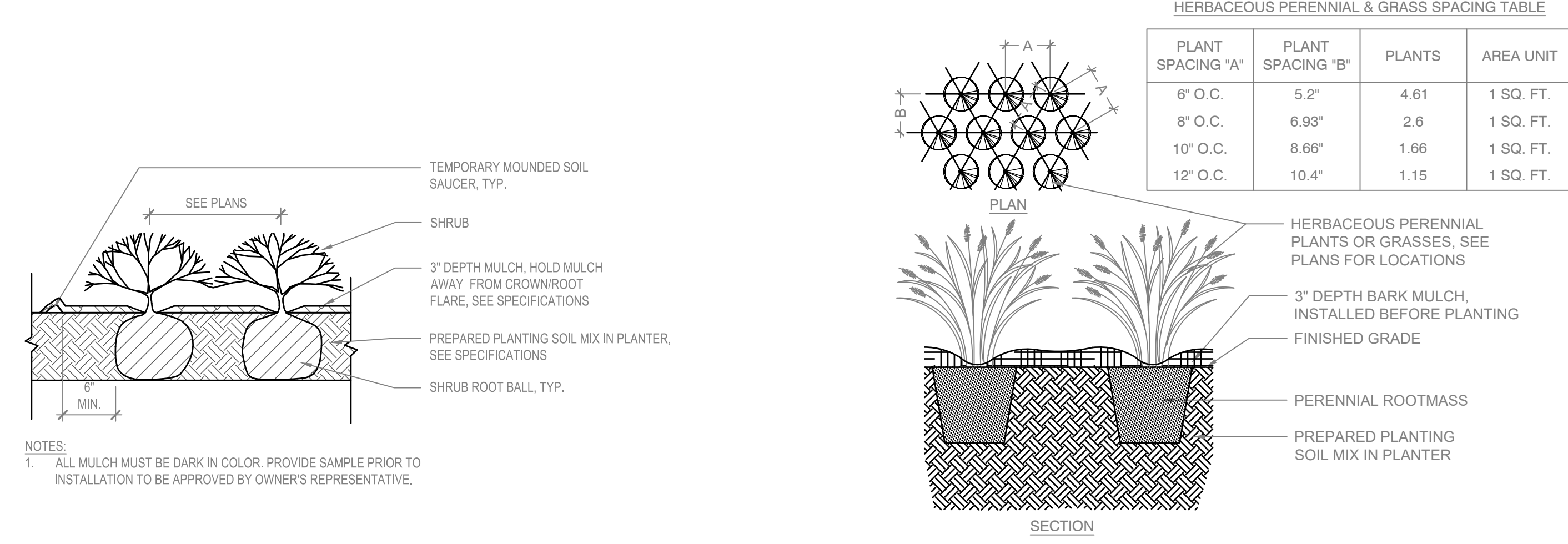
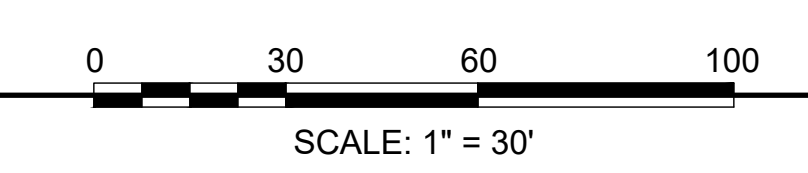
PLANTING PLAN

Sheet Number:

L100



1 SITE: PLANTING PLAN
SCALE: SEE BAR SCALE



HERBACEOUS PERENNIAL & GRASS SPACING TABLE

PLANT SPACING "A"	PLANT SPACING "B"	PLANTS	AREA UNIT
6" O.C.	5.2"	4.61	1 SQ. FT.
8" O.C.	6.93"	2.6	1 SQ. FT.
10" O.C.	8.66"	1.66	1 SQ. FT.
12" O.C.	10.4"	1.15	1 SQ. FT.

PLANTING SCHEDULE

KEY BOTANIC NAME	COMMON NAME	QUANT	SIZE	REMARKS
TREES / SHRUBS				
AG	AMELANCHER X GRANDIFLORA 'AUTUMN BRILLIANCE'	SERVICEBERRY	4	6'-8" HT., FULL, SINGLE-STEM, B&B
BL	DIERVILLA LONICERA 'COPPER'	NORTHERN BUSH HONEYSUCKLE	43	18"-24" B&B, CONTAINER, 35" O.C.
JC	JUNIPERUS CHINENSIS 'BROADMOOR'	SPREADING JUNIPER	12	18"-24" FULL, BRANCHED TO BASE, B&B
JCB	JUNIPERUS CHINENSIS 'BLUE VASE'	UPRIGHT JUNIPER	36	3'-4" HT., FULL, BRANCHED TO BASE, B&B
SJ	SPIRAEA JAPONICA 'DOUBLE PLAY DOOZIE'	REBLOOMING SPIRAEA	87	18"-24" FULL, BRANCHED TO BASE, B&B
TO	THUJA OCCIDENTALIS 'NIGRA'	DARK GREEN ABSORPTIVAE	66	4'-5" HT., FULL, BRANCHED TO BASE, B&B
WF	WEGELA FLORIDA 'SONIC BLOOM'	REBLOOMING WEGELA	52	18"-24" FULL, BRANCHED TO BASE, B&B
PERENNIALS/HERBACEOUS				
NF	NEPETA X FAASSENII 'WALKER'S LOW'	LOW CATMINT	380	2 GAL, CONTAINER, 18" O.C.
PA	PEROVSKIA ATROPICIFOLIA 'LISSUT'	LACEY BLUE RUSSIAN SAGE	95	2 GAL, CONTAINER, 30" O.C.
YF	YUCCA FILAMENTOSA 'GOLD SWORD'	GOLD SWORD YUCCA	20	2 GAL, CONTAINER, 18" O.C.

2 SHRUB PLANTINGS
SCALE: N.T.S.

3 PERENNIAL / GRASS PLANTING
SCALE: N.T.S.

4 LOAM AND SEED
SCALE: N.T.S.

5 PLANTING SCHEDULE
SCALE: N.T.S.

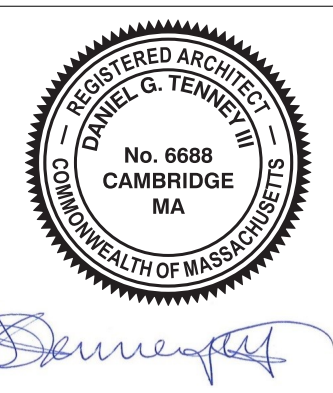
Consultants:

Revisions:

No.	Date	Description

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Seal:



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SITE PLAN REVIEW

Scale: N1/8" = 1'-0"

Key Plan:



Date: NOVEMBER 03, 2023
Drawn By: MMS / SRP
Reviewed By: JPP
Approved By: DGT
W&S Project No.: ENG22-0799
W&S File No.: XXX

Drawing Title:

OVERALL FLOOR PLAN

Sheet Number:

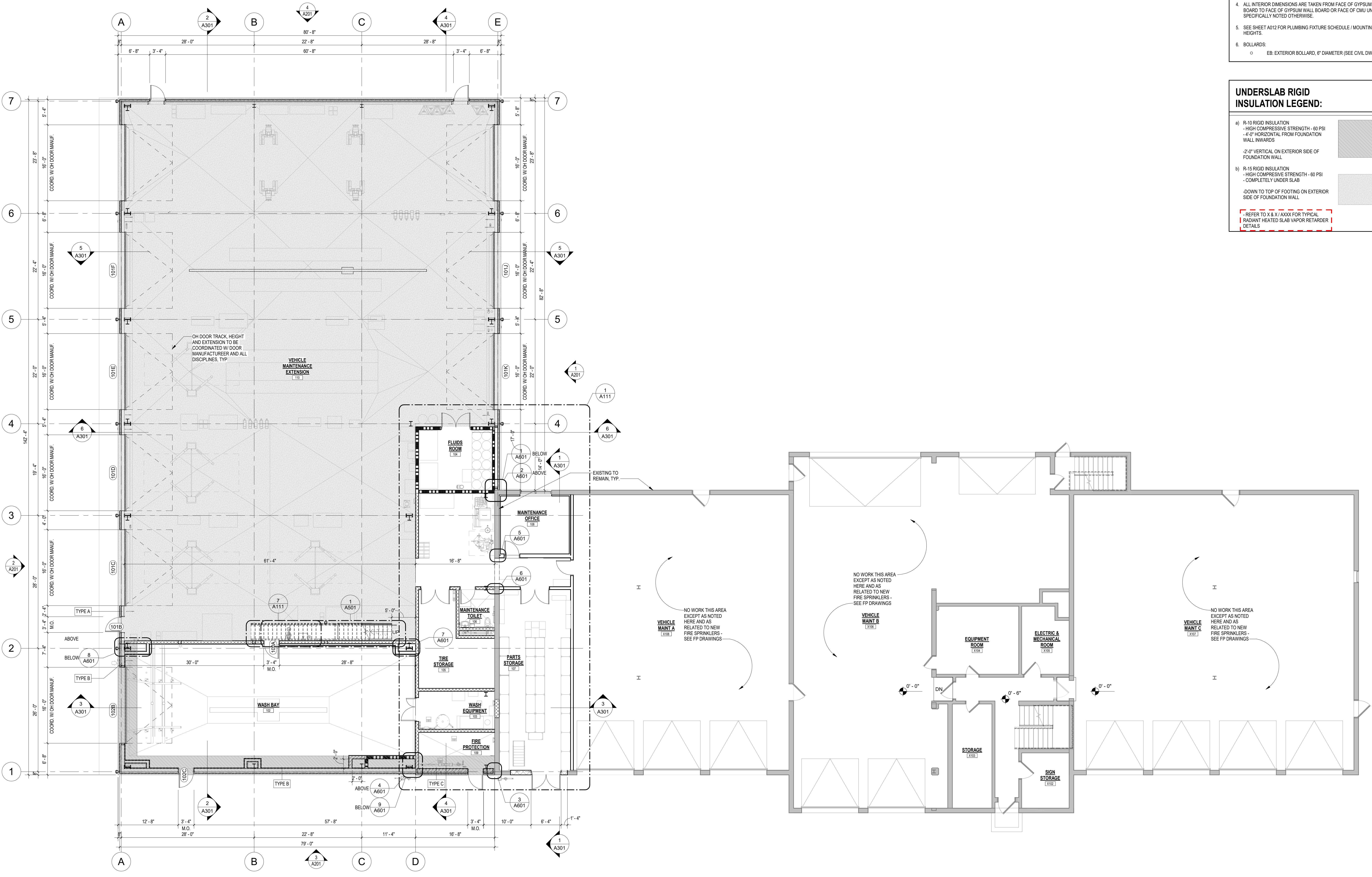
A101

FLOOR PLAN GENERAL NOTES:

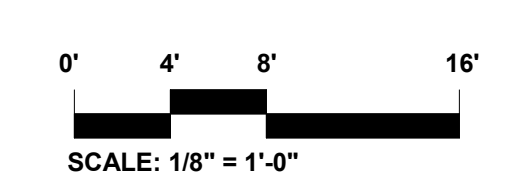
- EQUIPMENT SHOWN FOR REFERENCE ONLY. SEE EQ DRAWINGS FOR MORE INFO.
- FURNITURE SHOWN FOR INFORMATION ONLY (N.I.C.). SEE FURNITURE PLAN A201 FOR MORE INFO.
- F.E. = FIRE EXTINGUISHER
F.E.C. = FIRE EXTINGUISHER CABINET
BRACKET MOUNTED
CABINET MOUNTED (SEMI-RECESSED)
- ALL INTERIOR DIMENSIONS ARE TAKEN 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)

UNDERSLAB RIGID INSULATION LEGEND:

- R-10 RIGID INSULATION
- HIGH COMPRESSIVE STRENGTH - 60 PSI
- 4'-0" HORIZONTAL FROM FOUNDATION WALL INWARDS
- 2'-0" VERTICAL ON EXTERIOR SIDE OF FOUNDATION WALL
 - R-15 RIGID INSULATION
- HIGH COMPRESSIVE STRENGTH - 60 PSI
- COMPLETELY UNDER SLAB
- DOWN TO TOP OF FOOTING ON EXTERIOR SIDE OF FOUNDATION WALL
- REFER TO X & X / XXXX FOR TYPICAL RADIANT HEATED SLAB VAPOR RETARDER DETAILS



1 GROUND FLOOR
1/8" = 1'-0"




Revisions:

No.	Date	Description

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SITE PLAN REVIEW

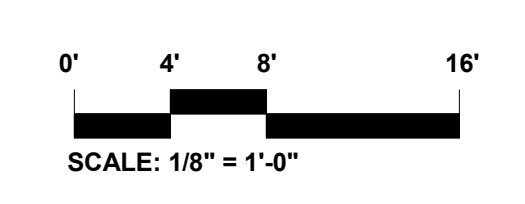
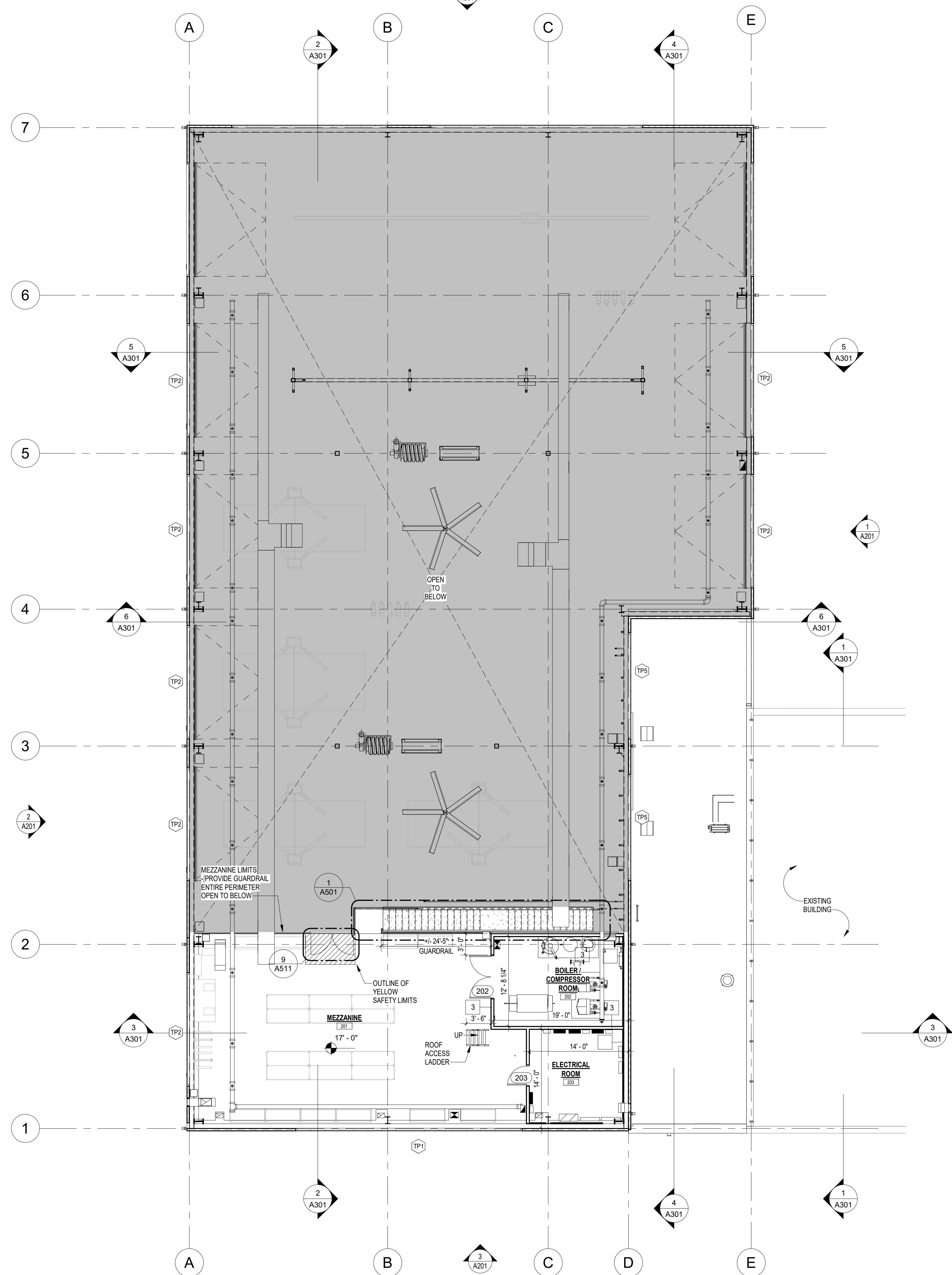
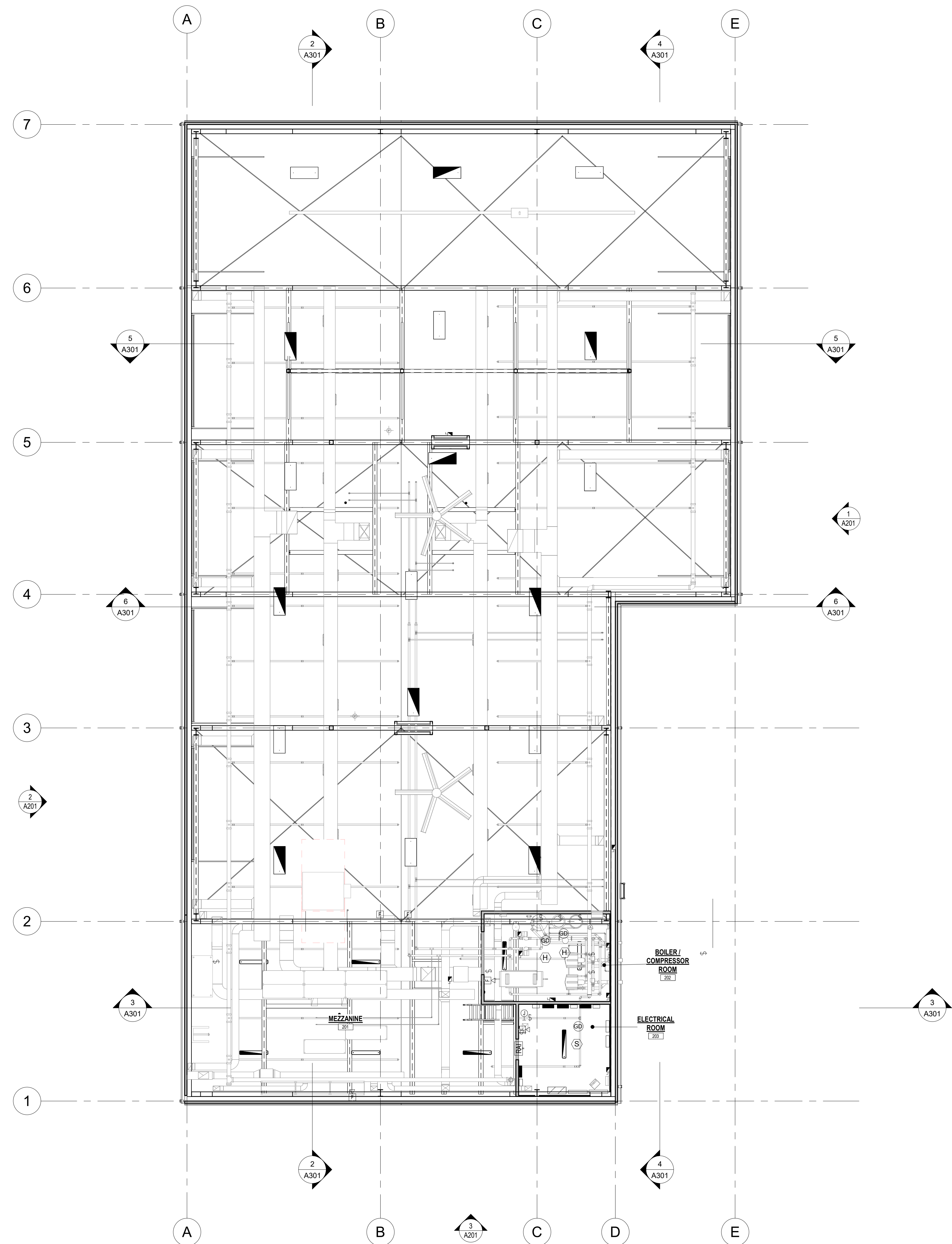
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Key Plan:

Date: NOVEMBER 03, 2023
Drawn By: MMS / SRP
Reviewed By: JPP
Approved By: DGT
W&S Project No.: ENG22-0799
W&S File No.: XXX

Drawing Title:
**OVERALL MEZZANINE
PLAN & RCP**

Sheet Number:
A102

- 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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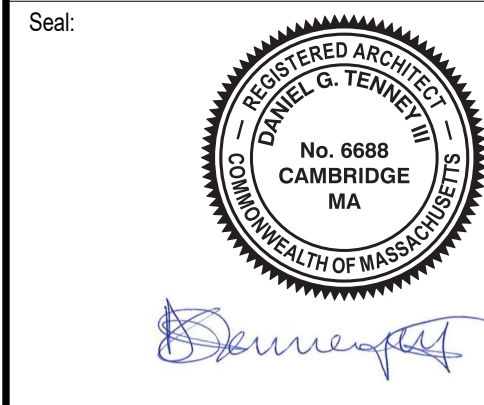
Consultants:

No.	Date	Description

Revisions:

No.	Date	Description

COA:



Issued For:
SITE PLAN REVIEW

Scale: N1/8" = 1'-0"
Key Plan:



Date: NOVEMBER 03, 2023
 Drawn By: MMS / SRP
 Reviewed By: JPP
 Approved By: DGT
 W&S Project No.: ENG22-0799
 W&S File No.: XXX

Drawing Title:
OVERALL ROOF PLAN

Sheet Number:
A104

GENERAL ROOF NOTES - MEMBRANES

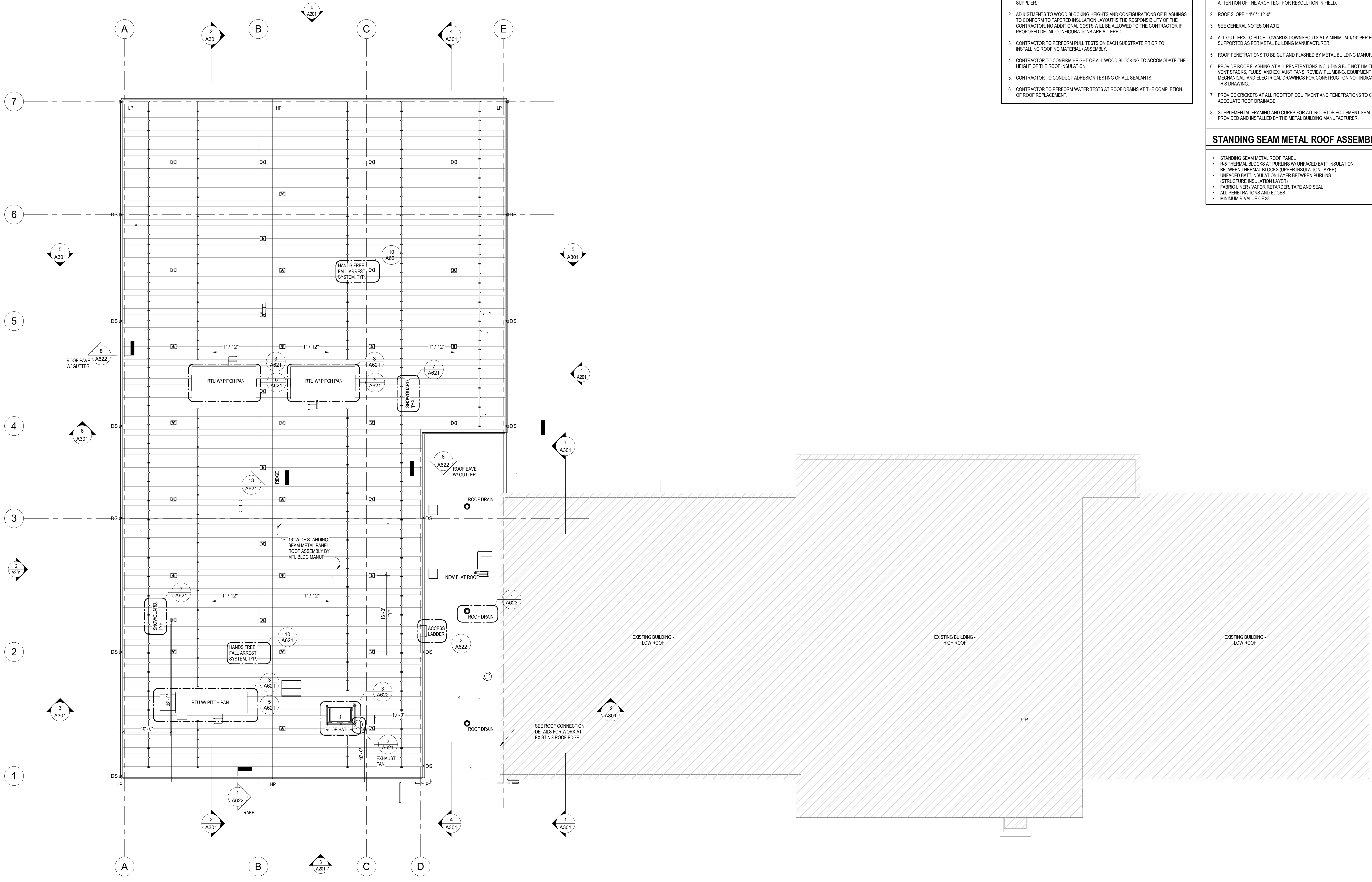
1. CONCEPTUAL TAPERED INSULATION LAYOUT TO PROVIDE MINIMUM INSULATION HEIGHTS AT ROOF TO WALL AND PERIMETER LOCATIONS. SPECIFIC TAPERED LAYOUT TO BE DEVELOPED BY CONTRACTOR IN CONJUNCTION WITH INSULATION SUPPLIER.
2. ADJUSTMENTS TO WOOD BLOCKING HEIGHTS AND CONFIGURATIONS OF FLASHINGS TO CONFORM TO TAPERED INSULATION LAYOUT IS THE RESPONSIBILITY OF THE CONTRACTOR. NO ADDITIONAL COSTS WILL BE ALLOWED TO THE CONTRACTOR IF PROPOSED DETAIL CONFIGURATIONS ARE ALTERED.
3. CONTRACTOR TO PERFORM PULL TESTS ON EACH SUBSTRATE PRIOR TO INSTALLING ROOFING MATERIAL / ASSEMBLY.
4. CONTRACTOR TO CONFIRM HEIGHT OF ALL WOOD BLOCKING TO ACCOMMODATE THE HEIGHT OF THE ROOF INSULATION.
5. CONTRACTOR TO CONDUCT ADHESION TESTING OF ALL SEALANTS.
6. CONTRACTOR TO PERFORM WATER TESTS AT ROOF DRAINS AT THE COMPLETION OF ROOF REPLACEMENT.

GENERAL ROOF NOTES - METAL BUILDINGS

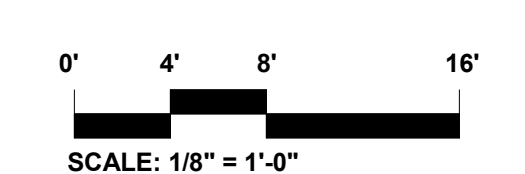
1. REFER TO EQUIPMENT, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL ROOF PENETRATIONS AND EQUIPMENT NOT SHOWN. ANY DISCREPANCIES REGARDING LOCATION OF EQUIPMENT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR RESOLUTION IN FIELD.
2. ROOF SLOPE = 1'-0" : 12'-0"
3. SEE GENERAL NOTES ON A012
4. ALL GUTTERS TO PITCH TOWARDS DOWNSPOUTS AT A MINIMUM 1/16" PER FOOT AND SUPPORTED AS PER METAL BUILDING MANUFACTURER.
5. ROOF PENETRATIONS TO BE CUT AND FLASHED BY METAL BUILDING MANUFACTURER.
6. PROVIDE ROOF FLASHING AT ALL PENETRATIONS INCLUDING BUT NOT LIMITED TO VENT STACKS, FLUES, AND EXHAUST FANS. REVIEW PLUMBING, EQUIPMENT, MECHANICAL, AND ELECTRICAL DRAWINGS FOR CONSTRUCTION NOT INDICATED ON THIS DRAWING.
7. PROVIDE CRICKETS AT ALL ROOFTOP EQUIPMENT AND PENETRATIONS TO CREATE ADEQUATE ROOF DRAINAGE.
8. SUPPLEMENTAL FRAMING AND CURBS FOR ALL ROOFTOP EQUIPMENT SHALL BE PROVIDED AND INSTALLED BY THE METAL BUILDING MANUFACTURER.

STANDING SEAM METAL ROOF ASSEMBLY (BY MAN)

- STANDING SEAM METAL ROOF PANEL
- R-5 THERMAL BLOCKS AT PURLINS W/ UNFACED BATT INSULATION BETWEEN THERMAL BLOCKS (UPPER INSULATION LAYER)
- UNFACED BATT INSULATION LAYER BETWEEN PURLINS (STRUCTURE INSULATION LAYER)
- FABRIC LINER / VAPOR RETARDER, TAPE AND SEAL
- ALL PENETRATIONS AND EDGES
- MINIMUM R-VALUE OF 38



1 OVERALL ROOF PLAN
1/8" = 1'-0"

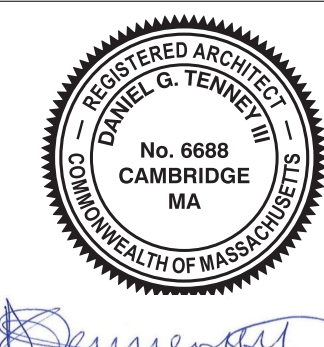


Revisions:

No.	Date	Description

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Scale: Not Indicated
Key Plan:

North

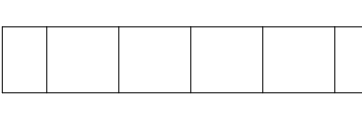
Date: NOVEMBER 03, 2023
Drawn By: MMS / SRP
Reviewed By: JPP
Approved By: DGT
W&S Project No.: ENG22-0799
W&S File No.: XXX

Drawing Title: **OVERALL ELEVATIONS**

Sheet Number: **A201**

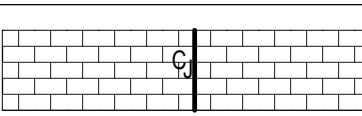
WALL PANEL TYPES LEGEND:

EXTENTS OF WALL PANEL - WP-1:
INSULATED WALL PANELS

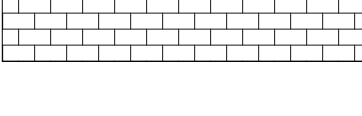
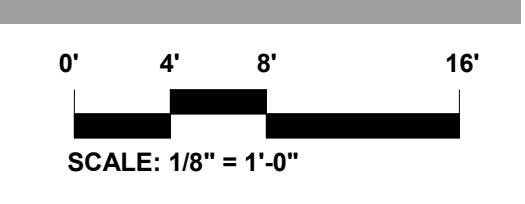
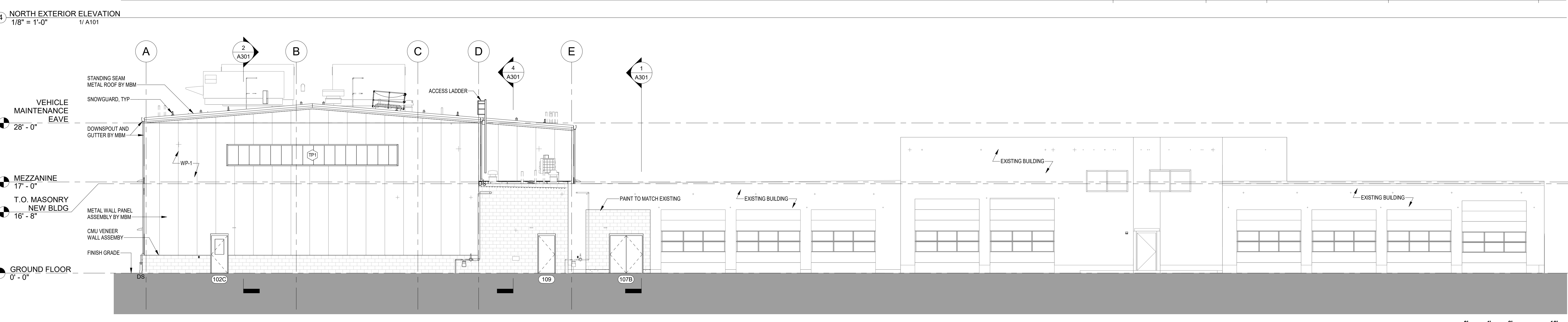
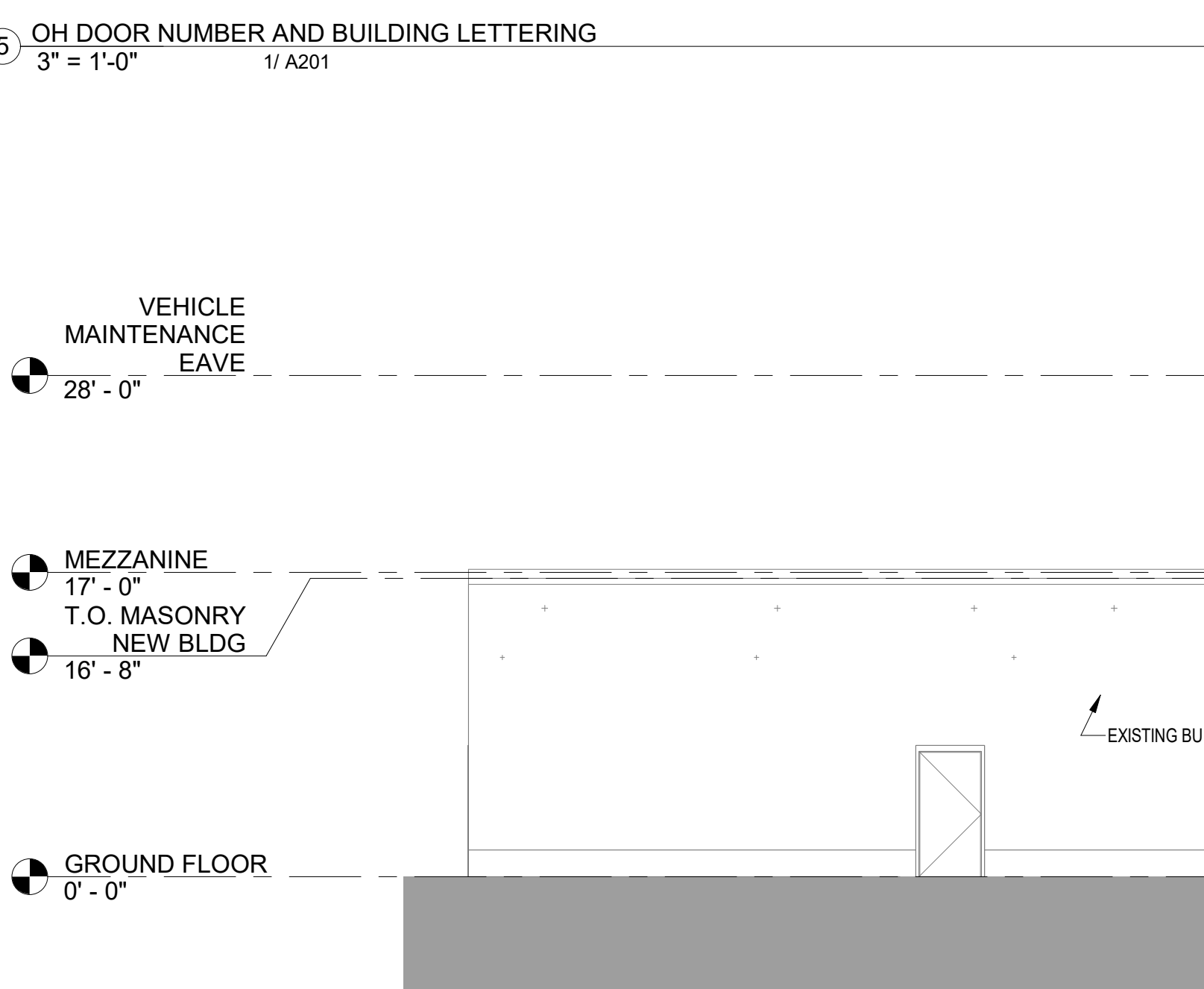
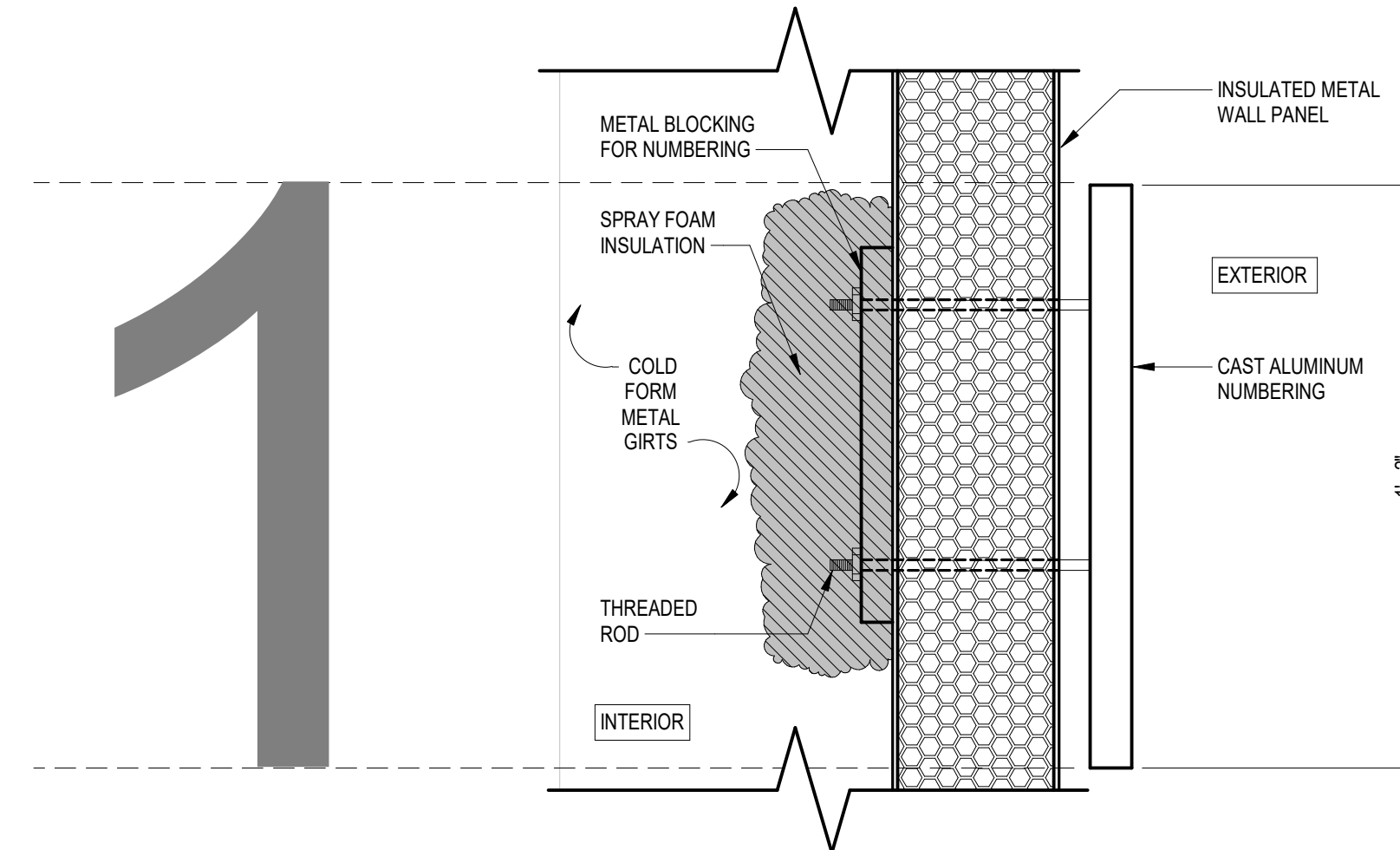
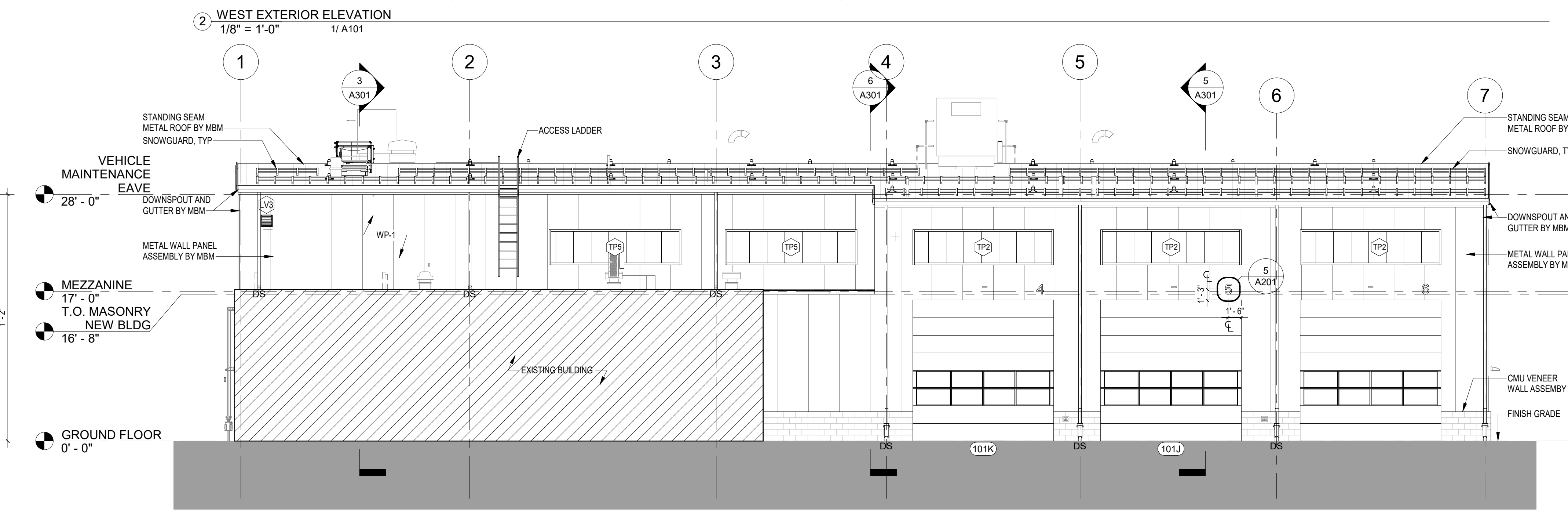
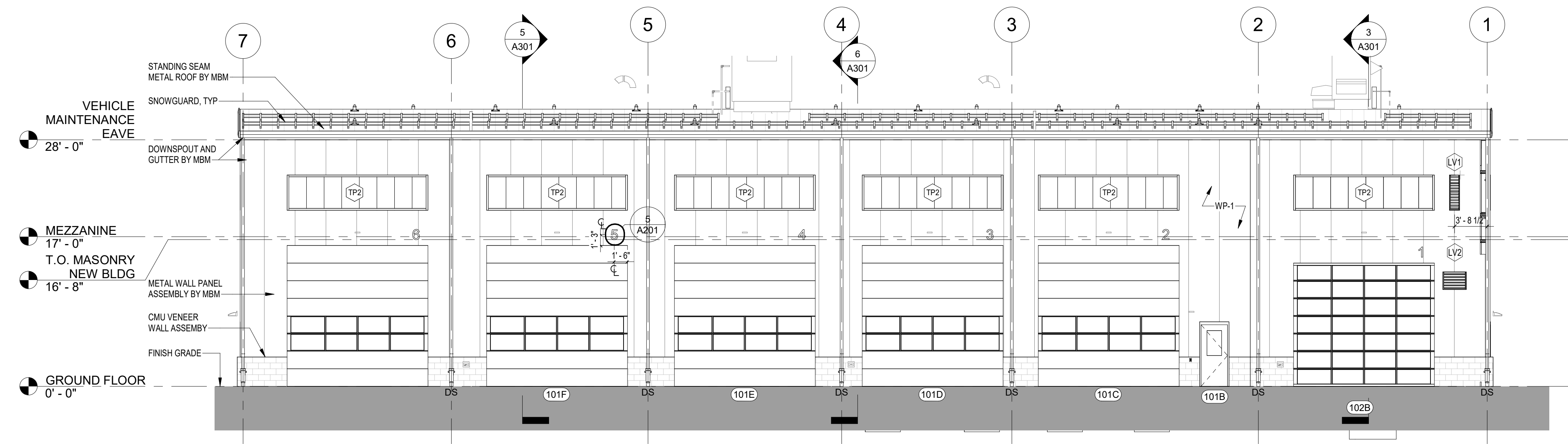


CMU VENEER LEGEND:

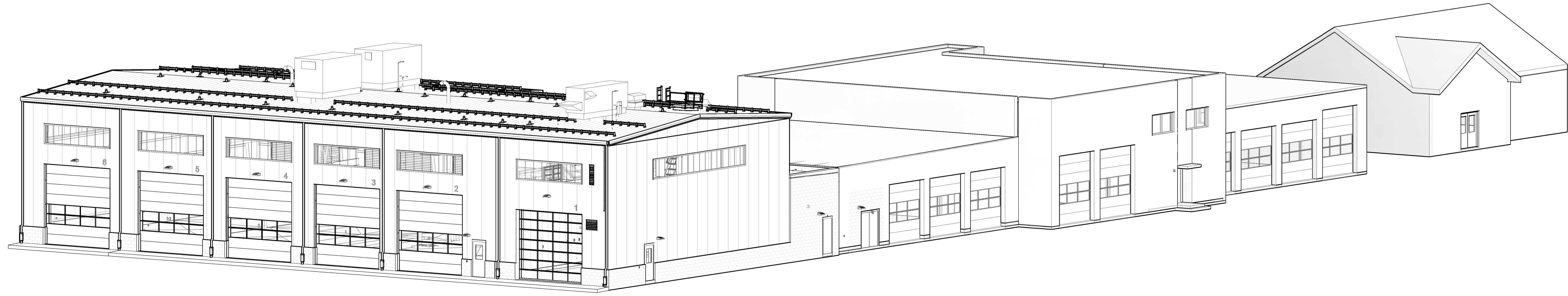
CONTROL JOINT LOCATION
REFER TO DETAIL X1/AX/XX FOR ADDITIONAL INFO



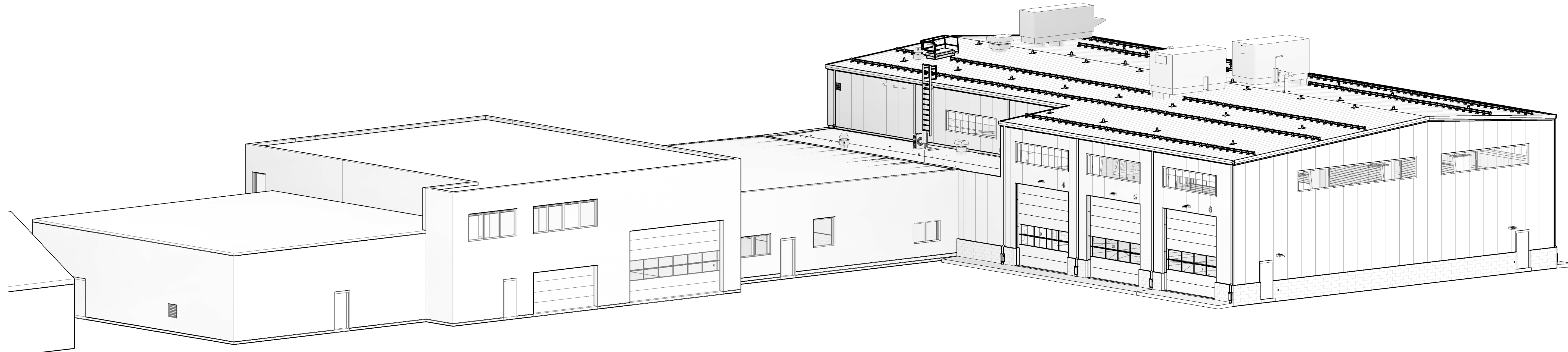
TYPE 1 - STANDARD GROUND FACE MASONRY
BLOCK: 8" X 16"

Consultants:



① 3D VIEW 1



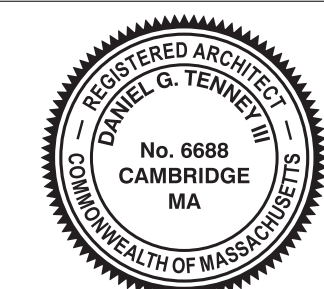
② 3D VIEW 2

Revisions:

No.	Date	Description

COA:

Seal:



Daniel G. Tenenbaum

Issued For:
SITE PLAN REVIEW

Scale: NTS = 1'-0"
Key Plan:



Date: FEBRUARY 1, 2024
Drawn By: MMS / SRP
Reviewed By: JPP
Approved By: DGT
W&S Project No.: ENG22-0799
W&S File No.: XXX

Drawing Title:
3D VIEWS

Sheet Number:
A231

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