



DORE & WHITTIER
ARCHITECTS, INC.



architecture + design

WESTWOOD POLICE DEPARTMENT

D&W PROJECT # 14-676

590 HIGH STREET WESTWOOD, MA 02090

OWNER

TOWN OF WESTWOOD
580 HIGH STREET
WESTWOOD MA 02090
P: 781.326.6450
F: 781.329.8030

OWNER REPRESENTATIVE

COMPASS PROJECT MANAGEMENT
266 MAIN STREET, SUITE 31A
MEDFIELD MA 02052
P: 508.589.5061
F: 508.589.6171

ARCHITECT

DORE & WHITTIER ARCHITECTS, INC
260 MERRIMAC STREET
BUILDING 7 2ND FLOOR
NEWBURYPORT MA 01950
P: 978.499.2999
F: 978.499.2944

212 BATTERY STREET
BURLINGTON, VT 05401
P: 802.863.1428
F: 802.863.6955

PROGRAMMING & DESIGN CONSULTANT

CR ARCHITECTURE + DESIGN
600 VINE STREET, SUITE 2210
CINCINNATI, OH 45202
P: 513.721.8080
F: 513.721.8181

CIVIL ENGINEER

PARE CORPORATION
10 LINCOLN ROAD, SUITE 103
FOXBORO, MA 02035
P: 508.543.1755
F: 502.543.1881

LANDSCAPE CONSULTANT

BROWN SARDINA, INC
129 SOUTH STREET, 6TH FLOOR
BOSTON, MA 02111
P: 617.482.4703
F: 617.482.4882

MEPFP ENGINEERS

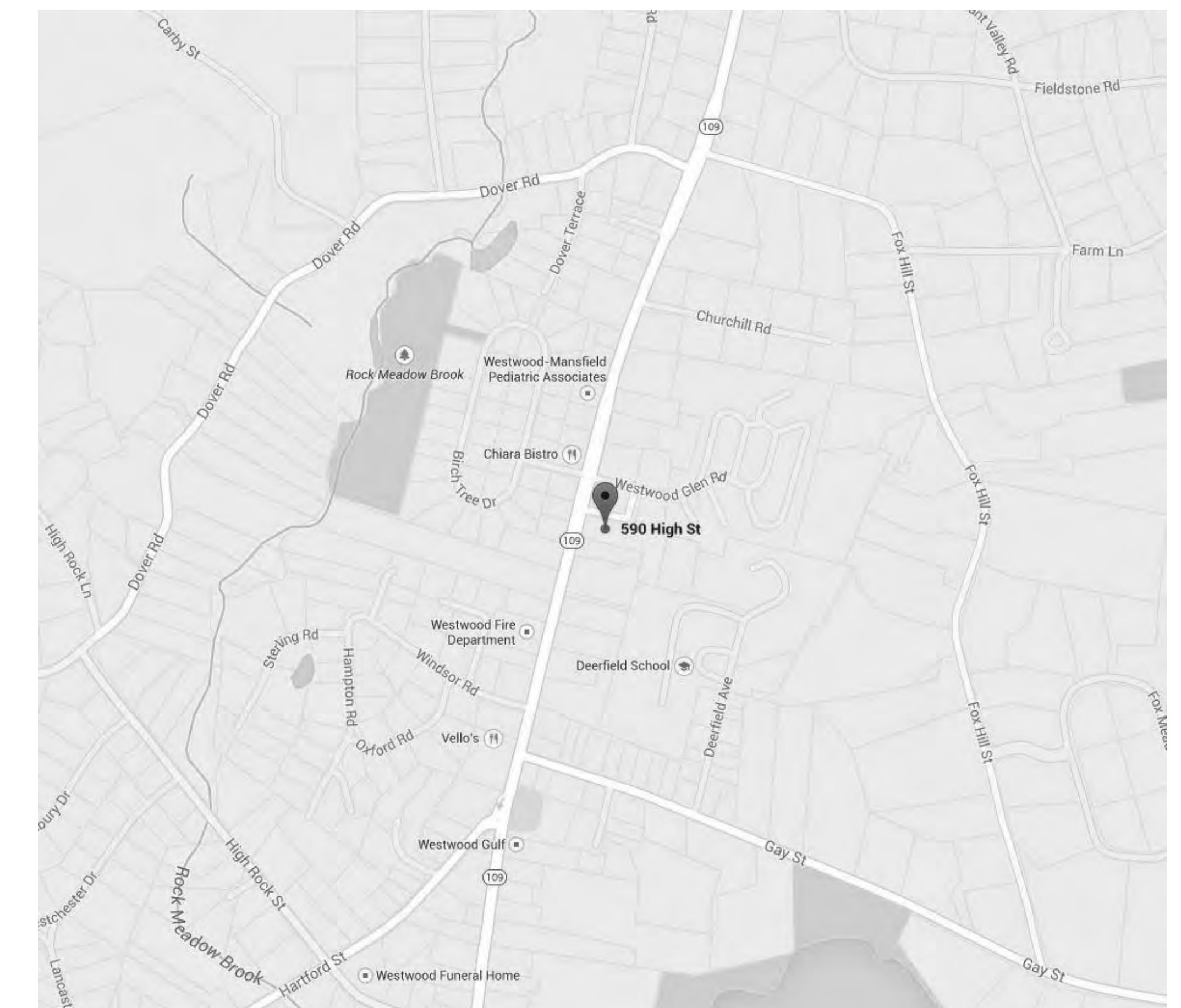
GARCIA GALUSKA DESOUSA, INC.
370 FAUNCE CORNER ROAD
DARTMOUTH MA 01747
P: 508.998.5700
F: 508.998.0883

STRUCTURAL ENGINEER

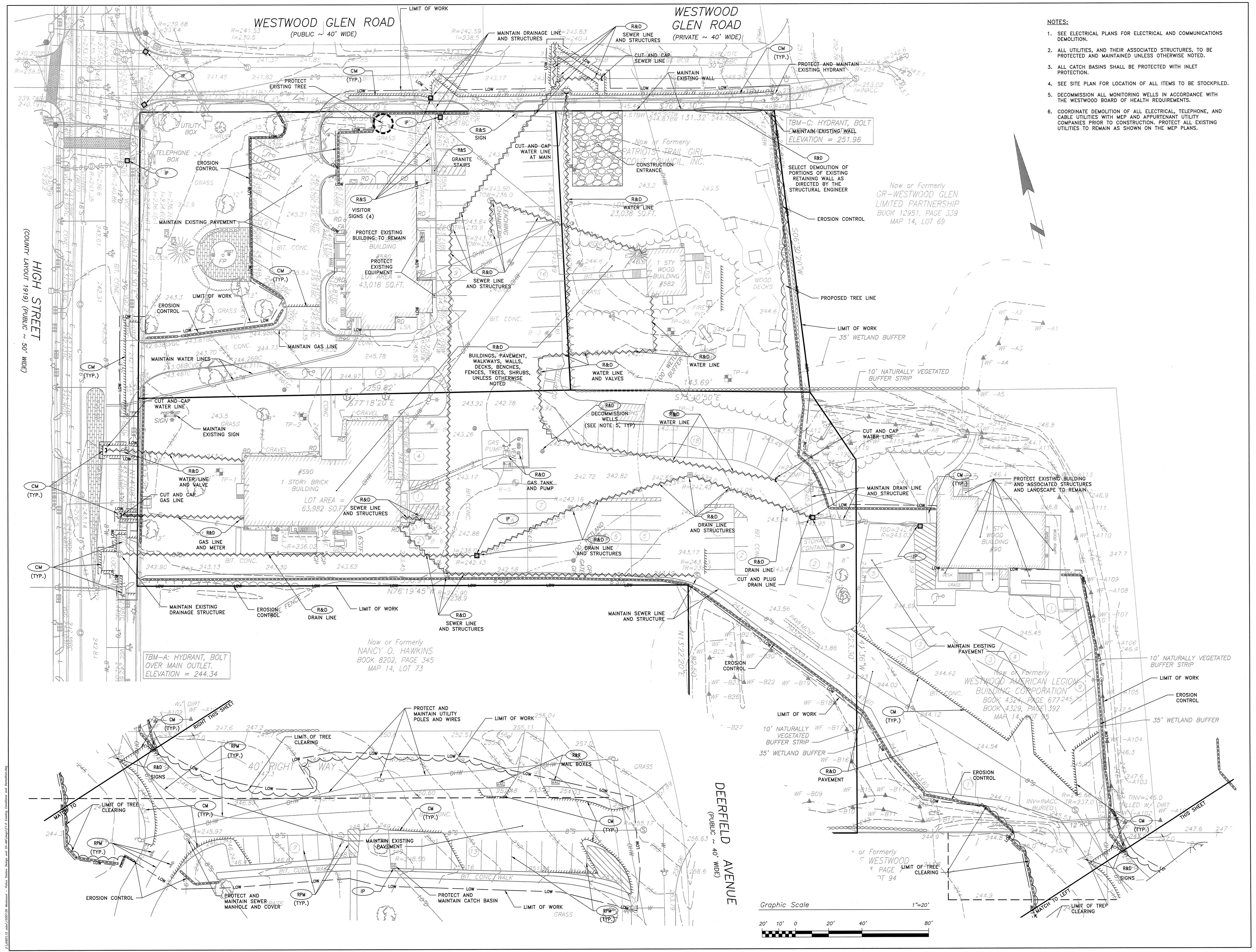
ENGINEERS DESIGN GROUP, INC.
10 CABOT ROAD, SUITE 210
MEDFORD, MA 02115
P: 781.396.9007
F: 781.396.9008



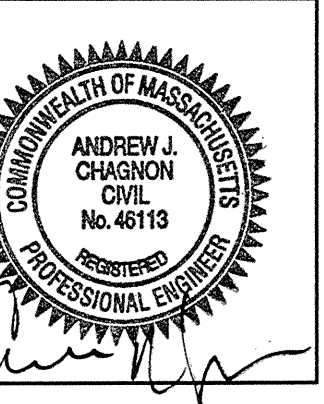
SHEET NUMBER	SHEET NAME
CIVIL	LEGEND AND GENERAL NOTES
C0.1	EXISTING CONDITIONS AND DEMOLITION PLAN
C1.0	SITE IMPROVEMENTS PLAN
C2.0	GRADING PLAN
C3.0	DRAINAGE PLAN
C4.0	UTILITY PLAN
C5.0	SITE DETAILS 1
C6.1	SITE DETAILS 2
C6.2	SITE DETAILS 3
C6.3	SITE DETAILS 4
C6.4	
LANDSCAPE	MATERIALS PLAN
L1.00	PLANTING PLAN
L2.00	SITE DETAILS
L3.00	
ARCHITECTURAL	LEVEL 1 OVERALL PLAN
A1.10	LEVEL 2 OVERALL PLAN
A1.20	LEVEL 3 OVERALL PLAN
A1.30	ROOF PLAN
A3.10	EXTERIOR ELEVATIONS
A4.10	
ELECTRICAL	SITE LIGHTING PHOTOMETRIC PLAN
LC0.1	



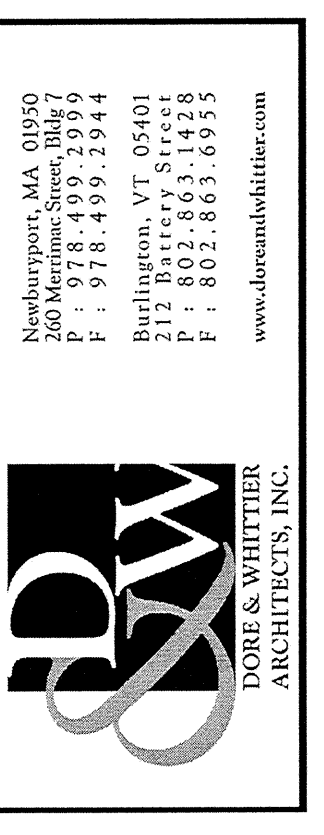
PERMITTING SET - 1 OCTOBER 2015



- NOTES:**
1. SEE ELECTRICAL PLANS FOR ELECTRICAL AND COMMUNICATIONS DEMOLITION.
 2. ALL UTILITIES, AND THEIR ASSOCIATED STRUCTURES, TO BE PROTECTED AND MAINTAINED UNLESS OTHERWISE NOTED.
 3. ALL CATCH BASINS SHALL BE PROTECTED WITH INLET PROTECTION.
 4. SEE SITE PLAN FOR LOCATION OF ALL ITEMS TO BE STOCKPILED.
 5. DECOMMISSION ALL MONITORING WELLS IN ACCORDANCE WITH THE WESTWOOD BOARD OF HEALTH REQUIREMENTS.
 6. COORDINATE DEMOLITION OF ALL ELECTRICAL, TELEPHONE, AND CABLE UTILITIES WITH MEP AND APPURTENANT UTILITY COMPANIES PRIOR TO CONSTRUCTION. PROTECT ALL EXISTING UTILITIES TO REMAIN AS SHOWN ON THE MEP PLANS.



PARE CORPORATION
 ENGINEERS ARCHITECTS INTERIORS
 213 BOSTON STREET
 FORDHAM, MA 02035
 508-943-1725



Project No. **15007.00**

WESTWOOD POLICE DEPARTMENT
 500 HIGH STREET
 WESTWOOD, MA 02090

PERMITTING PLANS

REVISION:	DATE:

DATE: 08/13/15 SCALE: 1"=20'
 DRAWN BY: AWW CHK'D BY: MJG

SHEET TITLE:
EXISTING CONDITIONS & DEMOLITION PLAN

SHEET #:
C1.0

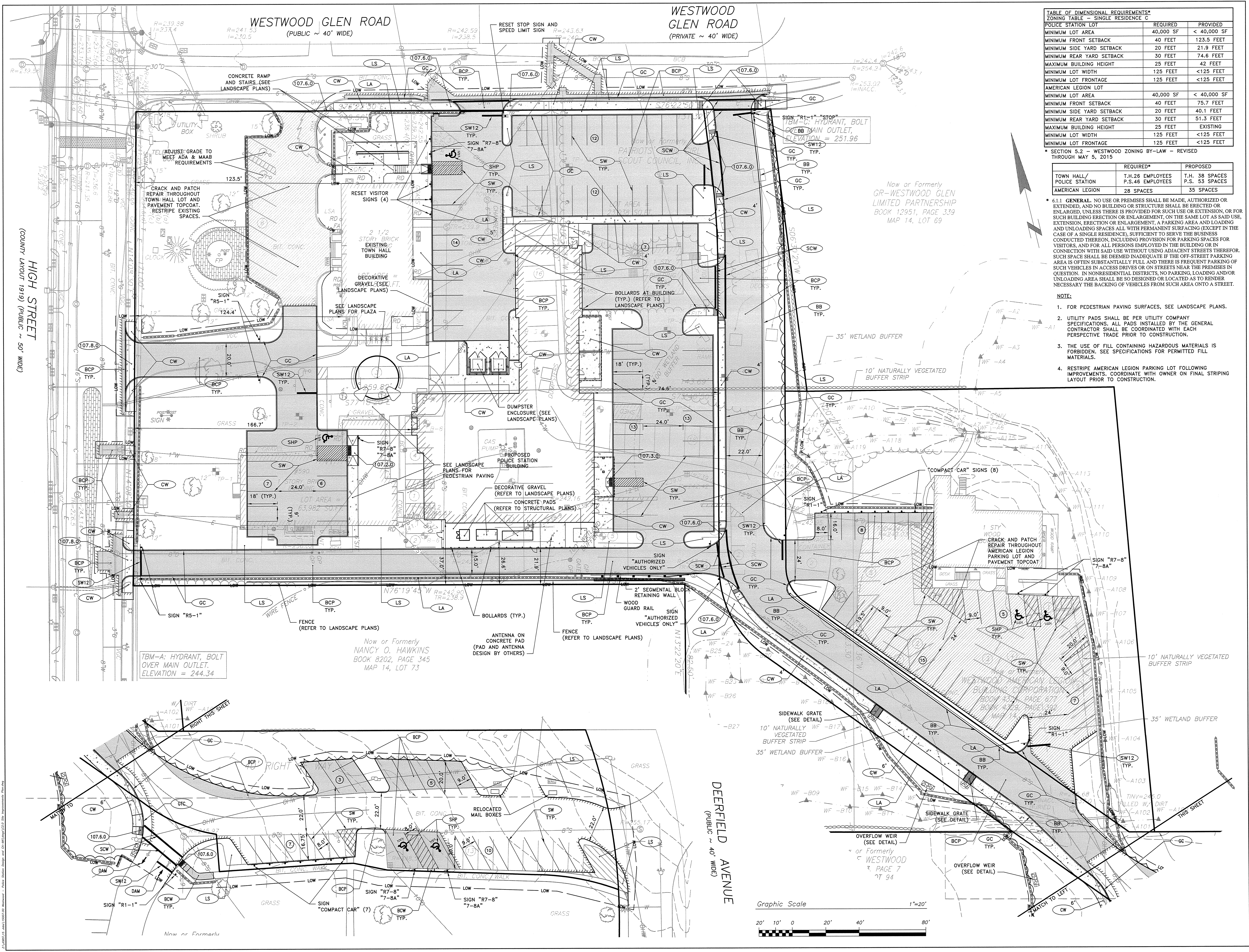


TABLE OF DIMENSIONAL REQUIREMENTS*
ZONING TABLE - SINGLE RESIDENCE C

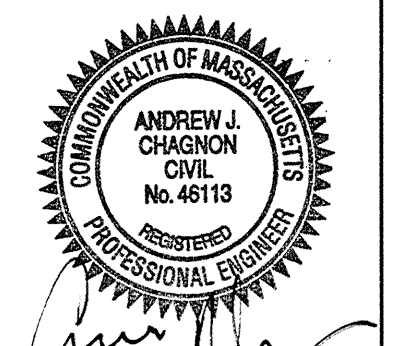
POLICE STATION LOT	REQUIRED	PROVIDED
MINIMUM LOT AREA	40,000 SF	< 40,000 SF
MINIMUM FRONT SETBACK	40 FEET	123.5 FEET
MINIMUM SIDE YARD SETBACK	20 FEET	21.9 FEET
MINIMUM REAR YARD SETBACK	30 FEET	74.6 FEET
MAXIMUM BUILDING HEIGHT	25 FEET	42 FEET
MINIMUM LOT WIDTH	125 FEET	<125 FEET
MINIMUM LOT FRONTAGE	125 FEET	<125 FEET
AMERICAN LEGION LOT		
MINIMUM LOT AREA	40,000 SF	< 40,000 SF
MINIMUM FRONT SETBACK	40 FEET	75.7 FEET
MINIMUM SIDE YARD SETBACK	20 FEET	40.1 FEET
MINIMUM REAR YARD SETBACK	30 FEET	51.3 FEET
MAXIMUM BUILDING HEIGHT	25 FEET	EXISTING
MINIMUM LOT WIDTH	125 FEET	<125 FEET
MINIMUM LOT FRONTAGE	125 FEET	<125 FEET

* SECTION 5.2 - WESTWOOD ZONING BY-LAW - REVISED THROUGH MAY 5, 2015

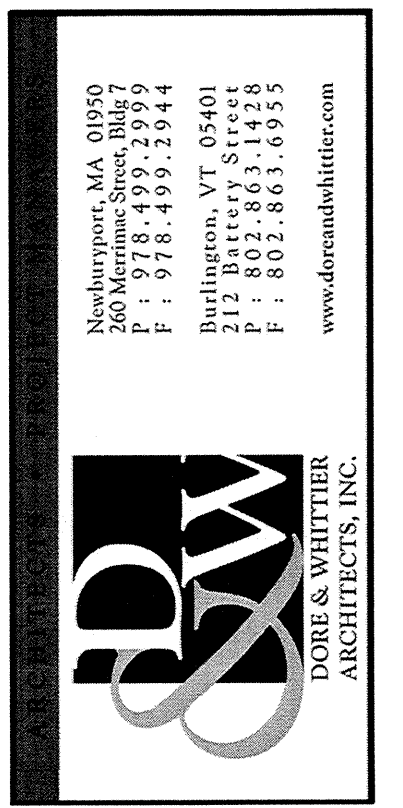
TOWN HALL / POLICE STATION	REQUIRED*	PROPOSED
T.H. 26 EMPLOYEES	P.S. 46 EMPLOYEES	T.H. 38 SPACES
AMERICAN LEGION	28 SPACES	P.S. 53 SPACES

6.1.1 GENERAL. NO USE OR PREMISES SHALL BE MADE, AUTHORIZED OR EXTENDED, AND NO BUILDING OR STRUCTURE SHALL BE ERRECTED OR ENLARGED, UNLESS THERE IS PROVIDED FOR SUCH USE OR EXTENSION, OR FOR SUCH BUILDING ERECTION OR ENLARGEMENT, ON THE SAME LOT AS SAID USE, EXTENSION, ERECTION OR ENLARGEMENT, A PARKING AREA AND LOADING AND UNLOADING SPACES ALL WITH PERMANENT SURFACING (EXCEPT IN THE CASE OF A SINGLE RESIDENCE), SUFFICIENT TO SERVE THE BUSINESS CONDUCTED THEREON, INCLUDING PROVISION FOR PARKING SPACES FOR VISITORS, AND FOR ALL PERSONS EMPLOYED IN THE BUILDING OR IN CONNECTION WITH SAID USE WITHOUT USING ADJACENT STREETS THEREFOR. SUCH SPACE SHALL BE DEEMED ADEQUATE IF THE OFF-STREET PARKING AREA IS OFFEN SUBSTANTIALLY FULL AND THERE IS FREQUENT PARKING OF SUCH VEHICLES IN ACCESS DRIVES OR ON STREETS NEAR THE PREMISES IN QUESTION. IN NONRESIDENTIAL DISTRICTS, NO PARKING, LOADING AND/OR UNLOADING AREA SHALL BE SO DESIGNED OR LOCATED AS TO RENDER NECESSARY THE BACKING OF VEHICLES FROM SUCH AREA ONTO A STREET.

- NOTE:**
- FOR PEDESTRIAN PAVING SURFACES, SEE LANDSCAPE PLANS.
 - UTILITY PADS SHALL BE PER UTILITY COMPANY SPECIFICATIONS. ALL PADS INSTALLED BY THE GENERAL CONTRACTOR SHALL BE COORDINATED WITH EACH PERSPECTIVE TRADE PRIOR TO CONSTRUCTION.
 - THE USE OF FILL CONTAINING HAZARDOUS MATERIALS IS FORBIDDEN. SEE SPECIFICATIONS FOR PERMITTED FILL MATERIALS.
 - RESTRIP AMERICAN LEGION PARKING LOT FOLLOWING IMPROVEMENTS. COORDINATE WITH OWNER ON FINAL STRIPING LAYOUT PRIOR TO CONSTRUCTION.



PARE CORPORATION
ENGINEERS, ARCHITECTS, PLANNERS
10 LINCOLN ROAD, SUITE 103
WESTWOOD, MA 02090
508-551-1255



Project No. **15007.00**

WESTWOOD POLICE DEPARTMENT
500 HIGH STREET
WESTWOOD, MA. 02090

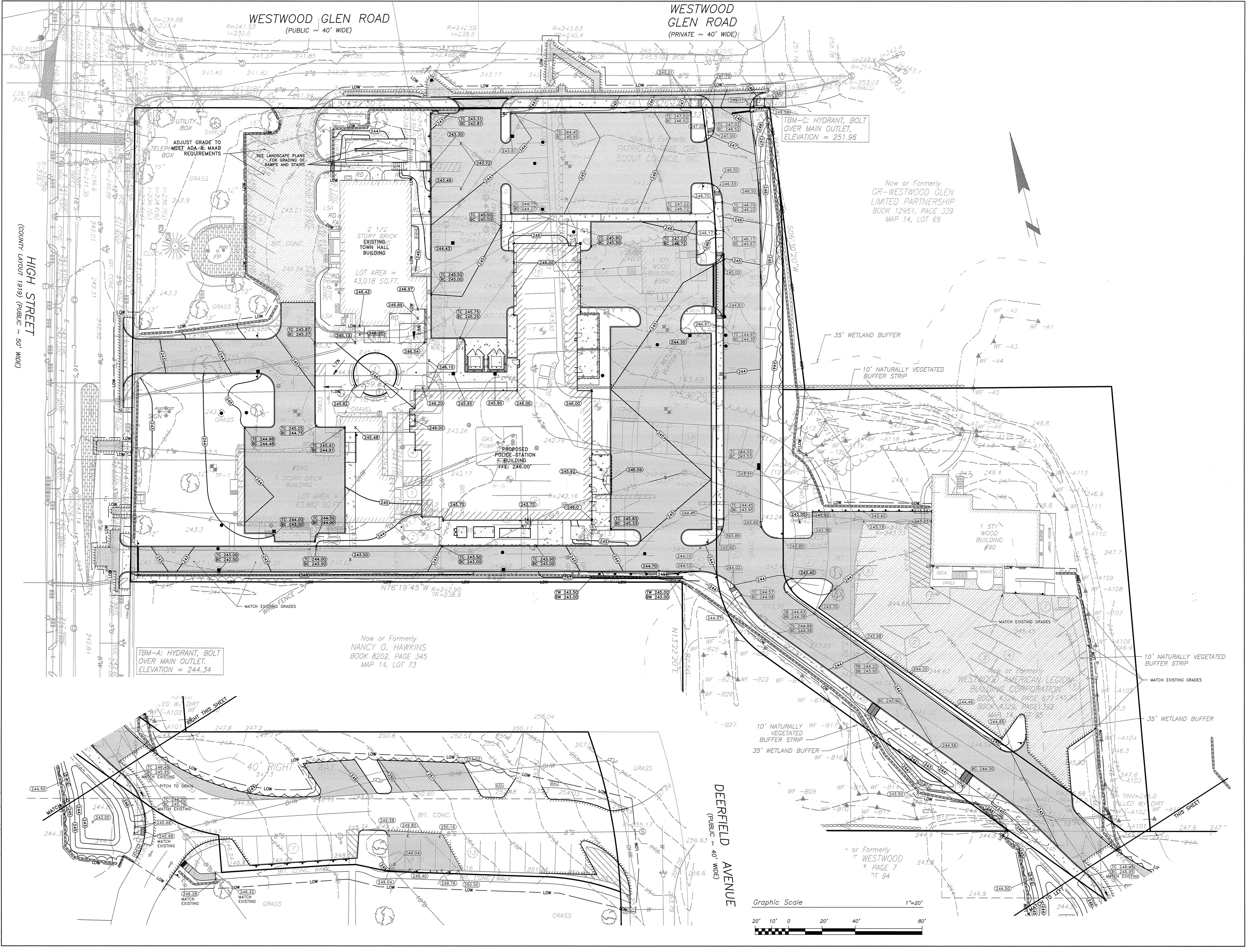
PERMITTING PLANS

REVISION	DATE
REVIEW COMMENTS	09-09-2015
REVISE PARKING	09-21-2015
RESPONSE TO COMMENTS	10-01-2015

DATE: 08/13/15 SCALE: 1"=20'
DRAWN BY: AWB CHKD BY: MJG

SHEET TITLE:
SITE IMPROVEMENTS PLAN

SHEET #:
C2.0



WESTWOOD GLEN ROAD
(PUBLIC ~ 40' WIDE)

WESTWOOD GLEN ROAD
(PRIVATE ~ 40' WIDE)

HIGH STREET
(COUNTY LAYOUT 1919) (PUBLIC ~ 50' WIDE)

DEERFIELD AVENUE
(PUBLIC ~ 40' WIDE)

UTILITY BOX
ADJUST GRADE TO TELEPHONE ADA & MAAB REQUIREMENTS

SEE LANDSCAPE PLANS FOR GRADING OF RAMPS AND STAIRS

2 1/2 STORY BRICK EXISTING TOWN HALL BUILDING
LOT AREA = 43,018 SQ. FT.

#590 1 STORY BRICK BUILDING
LOT AREA = 63,982 SQ. FT.

PROPOSED POLICE STATION BUILDING
FFE: 246.00'

Now or Formerly PATRIOTS TOWN GIRL SCOUT COUNCIL, INC.

Now or Formerly GR-WESTWOOD GLEN LIMITED PARTNERSHIP
BOOK 12951, PAGE 539
MAP 14, LOT 69

Now or Formerly NANCY O. HAWKINS
BOOK 8202, PAGE 345
MAP 14, LOT 73

Now or Formerly WESTWOOD AMERICAN LEGION BUILDING CORPORATION
BOOK 4579, PAGE 677, 245.00
BOOK 8329, PAGE 392
MAP 14, LOT 95

TBM-A: HYDRANT, BOLT OVER MAIN OUTLET. ELEVATION = 244.34

TBM-C: HYDRANT, BOLT OVER MAIN OUTLET. ELEVATION = 251.96

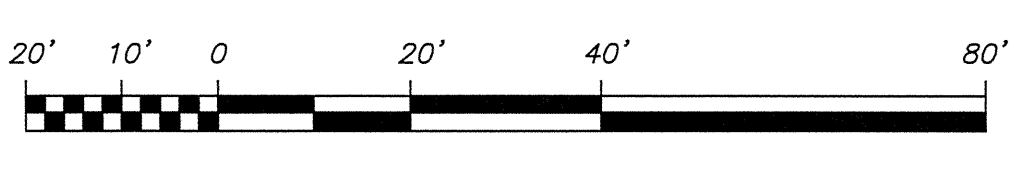
RIGHT THIS SHEET

10' NATURALLY VEGETATED BUFFER STRIP

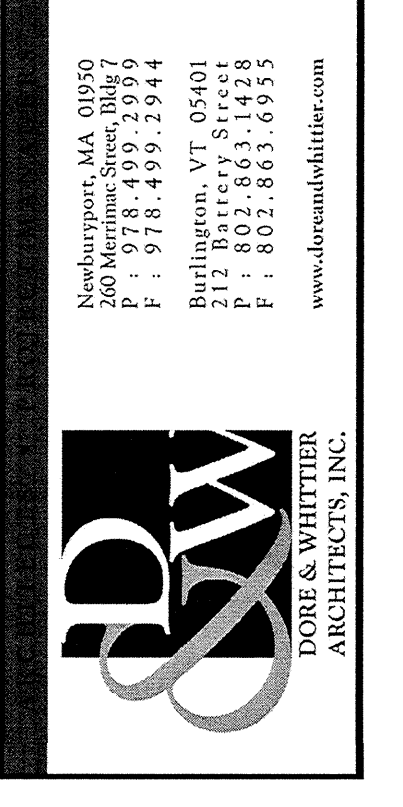
10' NATURALLY VEGETATED BUFFER STRIP
35' WETLAND BUFFER

35' WETLAND BUFFER

Graphic Scale 1"=20'



PARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS
10 LINCOLN ROAD, SUITE 103
WESTWOOD, MASSACHUSETTS 01981
PHONE: 978-951-1725
WWW.PARECORP.COM



Project No. 15007.00

WESTWOOD POLICE DEPARTMENT
580 HIGH STREET
WESTWOOD, MA 02090

PERMITTING PLANS

REVISION	DATE
REVIEW COMMENTS	09-09-2015
RESPONSE TO COMMENTS	10-01-2015

DATE: 08/13/15 SCALE: 1"=20'
DRAWN BY: AWB CHKD BY: MJG

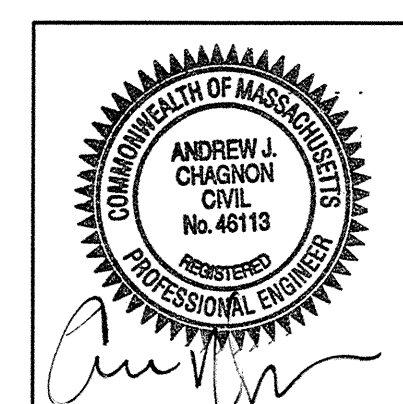
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GRADING PLAN

SHEET #:

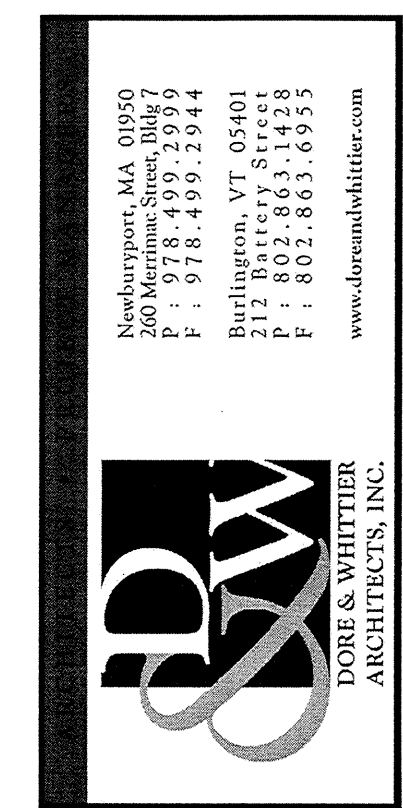
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WESTWOOD GLEN ROAD
(PUBLIC ~ 40' WIDE)

WESTWOOD GLEN ROAD
(PRIVATE ~ 40' WIDE)



PARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS
10 UNION ROAD, SUITE 103
WESTWOOD, MA 02090
PHONE: 508-543-1755



Project No. 15007.00

WESTWOOD POLICE DEPARTMENT
580 HIGH STREET
WESTWOOD, MA 02090

PERMITTING PLANS
REVISION: Date:
REVIEW COMMENTS: 09-28-2015
RESPONSE TO COMMENTS: 10-01-2015

DATE: 08/13/15 SCALE: 1"=20'
DRAWN BY: AWB CHK'D BY: MJG

SHEET TITLE:
DRAINAGE PLAN

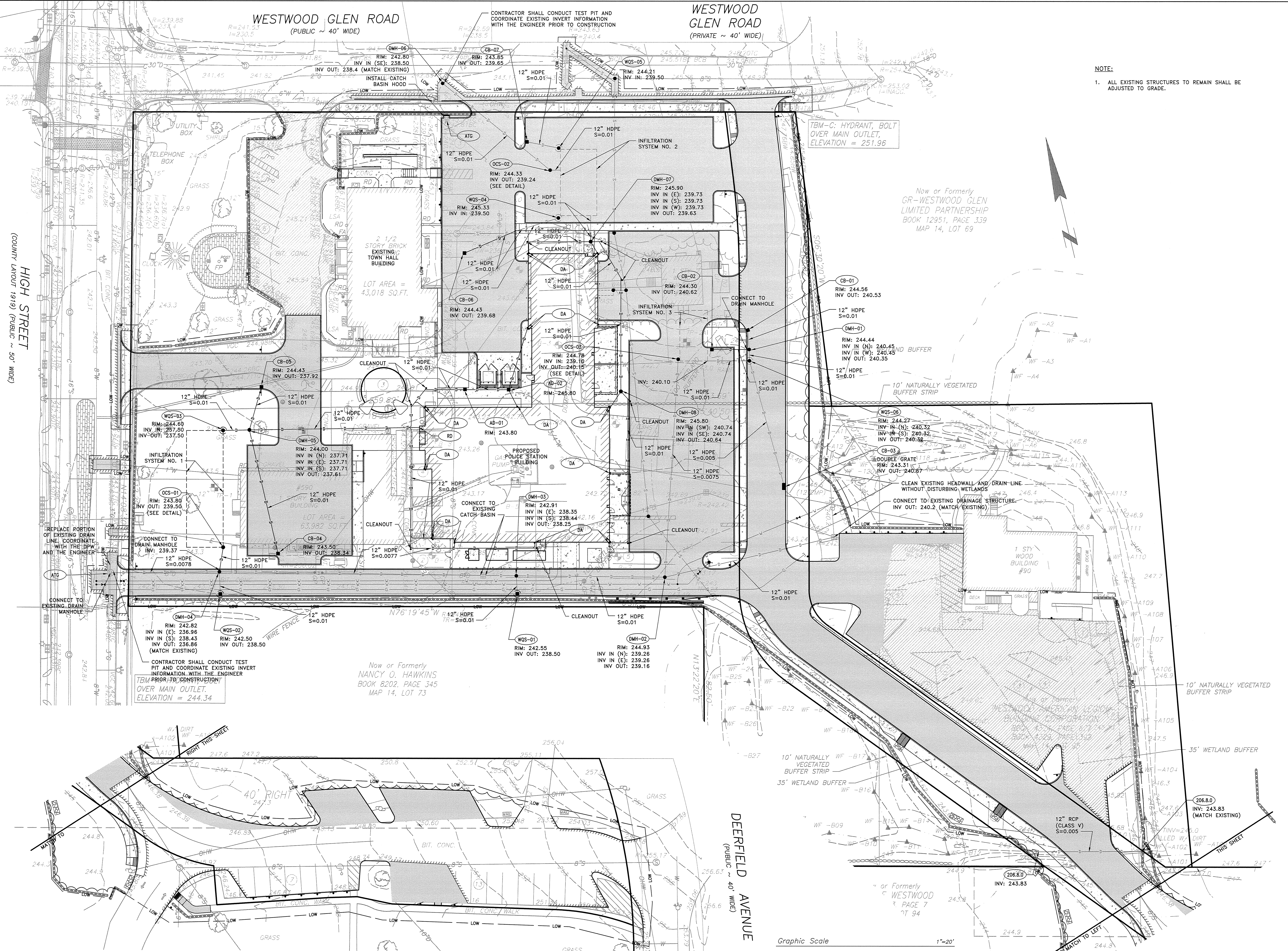
SHEET #:
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NOTE:
1. ALL EXISTING STRUCTURES TO REMAIN SHALL BE ADJUSTED TO GRADE.

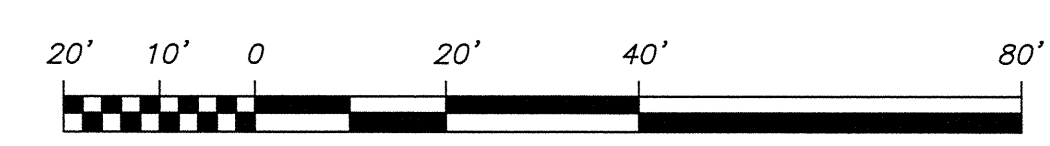
Now or Formerly
**GR-WESTWOOD GLEN
LIMITED PARTNERSHIP**
BOOK 12951, PAGE 339
MAP 14, LOT 69

Now or Formerly
NANCY O. HAWKINS
BOOK 8202, PAGE 345
MAP 14, LOT 73

Now or Formerly
WESTWOOD
BOOK 8202, PAGE 7
MAP 14, LOT 94



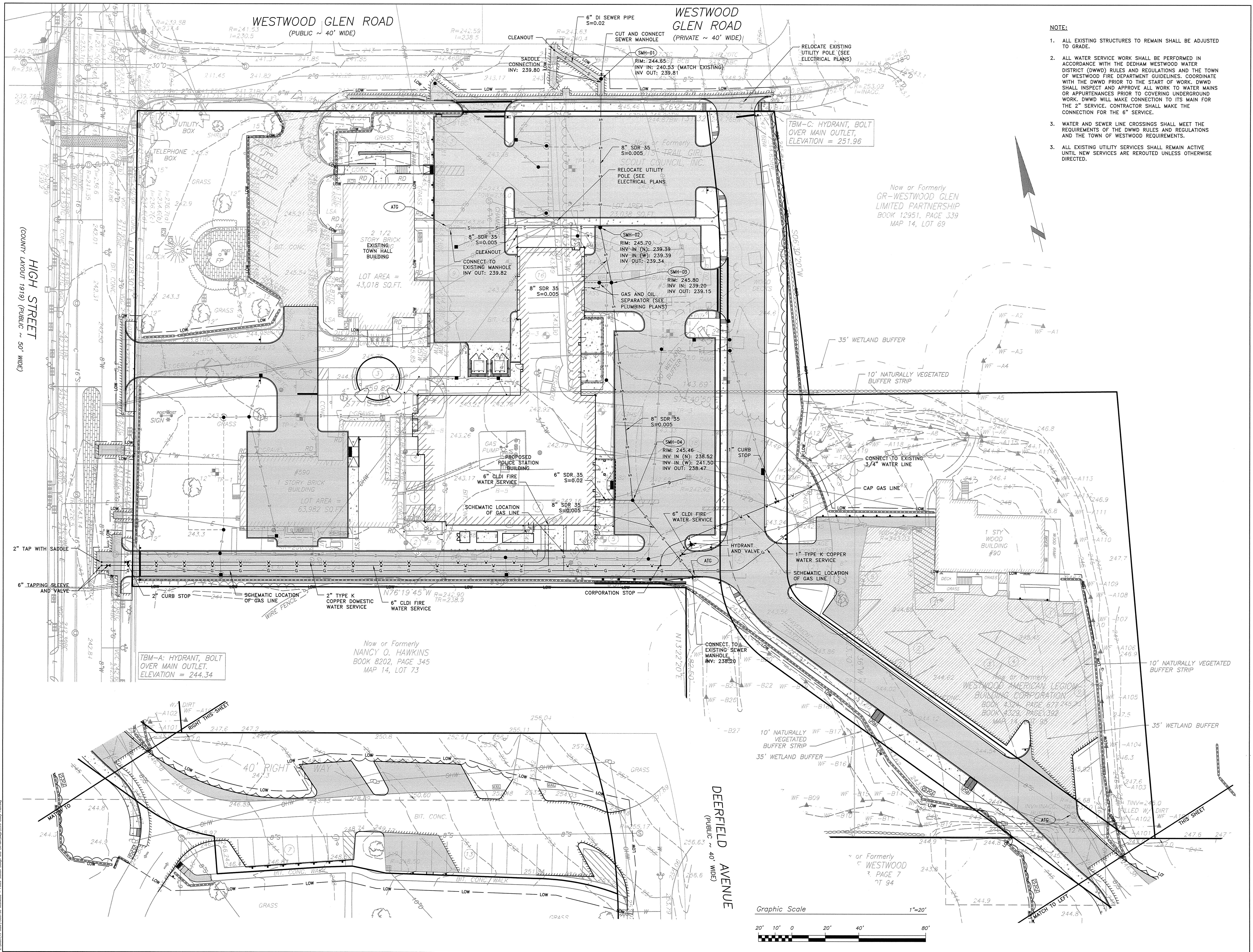
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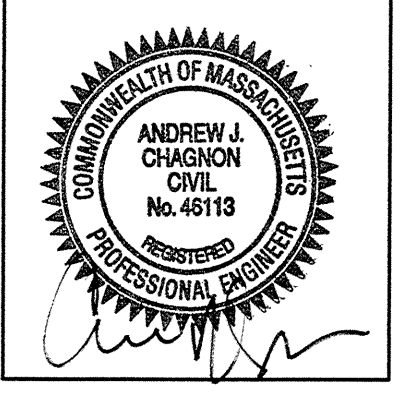
HIGH STREET
(COUNTY LAYOUT 1919) (PUBLIC ~ 50' WIDE)

DEERFIELD AVENUE
(PUBLIC ~ 40' WIDE)

2:0856115.dwg 10/20/2015 10:43:00 AM



- NOTE:**
1. ALL EXISTING STRUCTURES TO REMAIN SHALL BE ADJUSTED TO GRADE.
 2. ALL WATER SERVICE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE DEDHAM WESTWOOD WATER DISTRICT (DWWD) RULES AND REGULATIONS AND THE TOWN OF WESTWOOD FIRE DEPARTMENT GUIDELINES. COORDINATE WITH THE DWWD PRIOR TO THE START OF WORK. DWWD SHALL INSPECT AND APPROVE ALL WORK TO WATER MAINS OR APURTENANCES PRIOR TO COVERING UNDERGROUND WORK. DWWD WILL MAKE CONNECTION TO ITS MAIN FOR THE 2" SERVICE. CONTRACTOR SHALL MAKE THE CONNECTION FOR THE 6" SERVICE.
 3. WATER AND SEWER LINE CROSSINGS SHALL MEET THE REQUIREMENTS OF THE DWWD RULES AND REGULATIONS AND THE TOWN OF WESTWOOD REQUIREMENTS.
 3. ALL EXISTING UTILITY SERVICES SHALL REMAIN ACTIVE UNTIL NEW SERVICES ARE REROUTED UNLESS OTHERWISE DIRECTED.



PARE CORPORATION
 ENGINEERING ARCHITECTURE
 10 LINCOLN ROAD, SUITE 100
 FORDHAM, MA 02035
 508-945-9725

Westwood, MA, 01987
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 F: 978-499-2944
 B: 978-499-2944
 Burlington, VT, 05401
 F: 802-863-1158
 B: 802-863-1158
 www.dwdwater.com

Project No. 15007.00

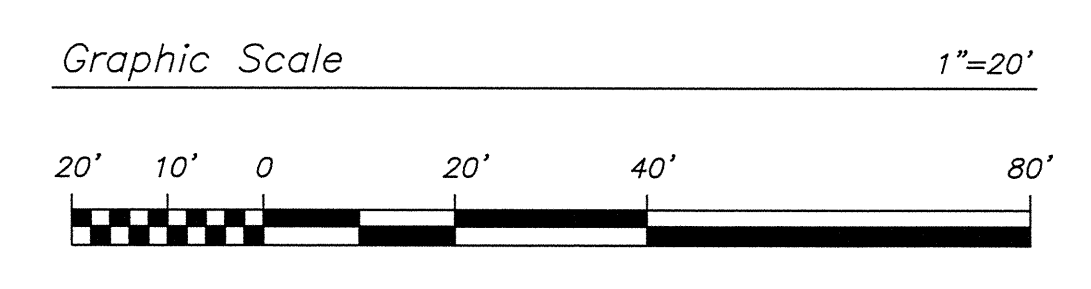
WESTWOOD POLICE DEPARTMENT
 500 HIGH STREET
 WESTWOOD, MA. 02090

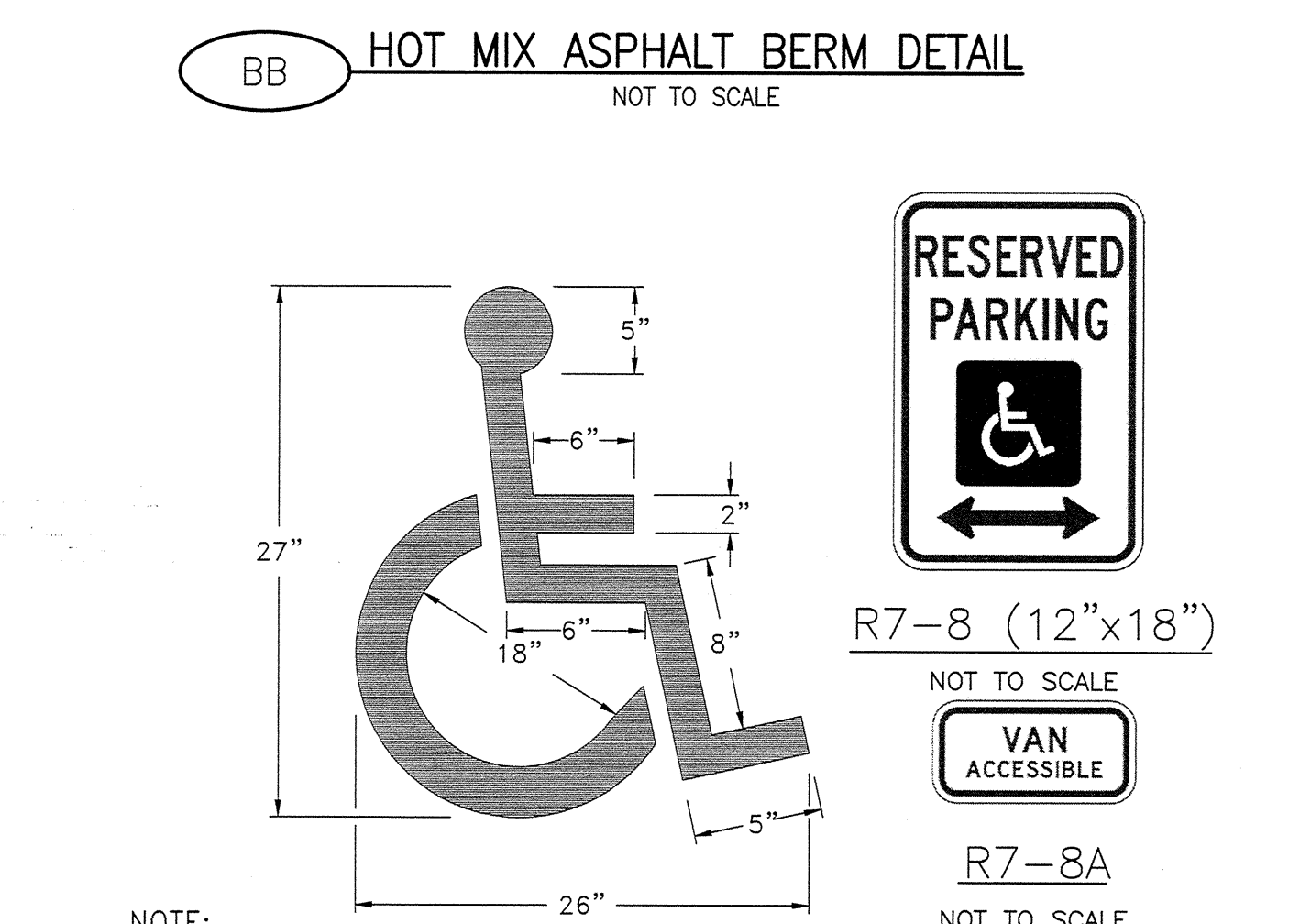
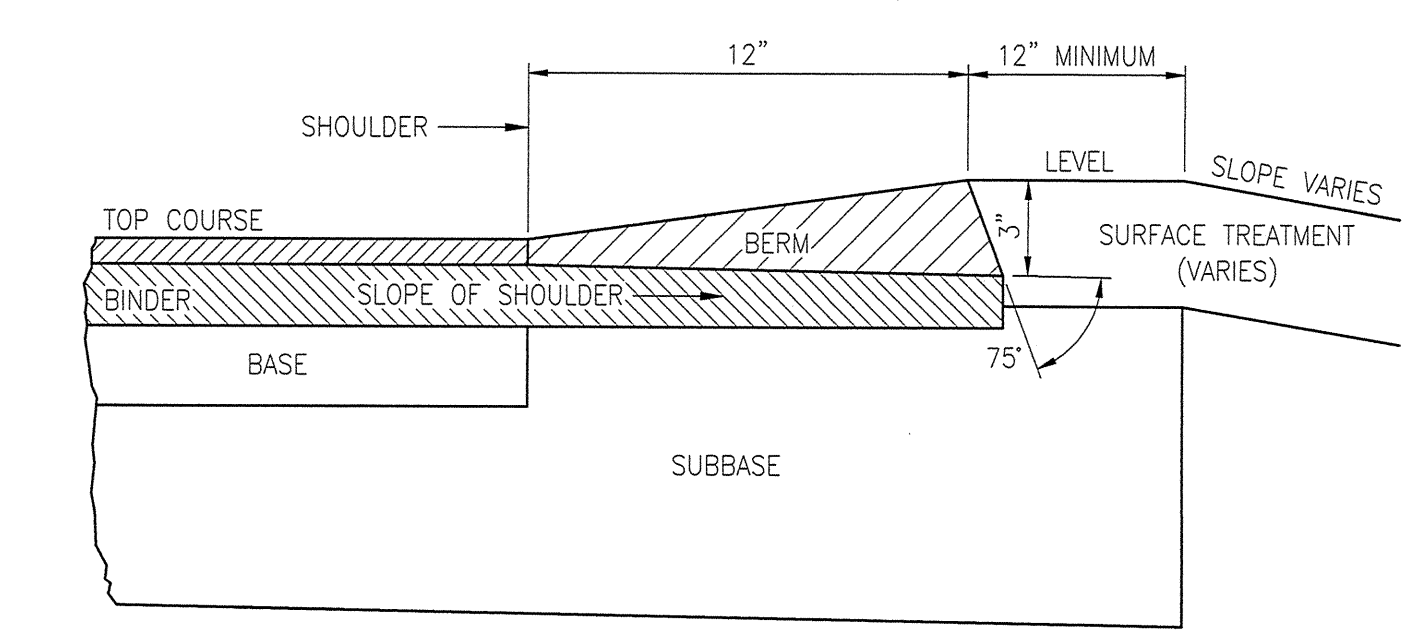
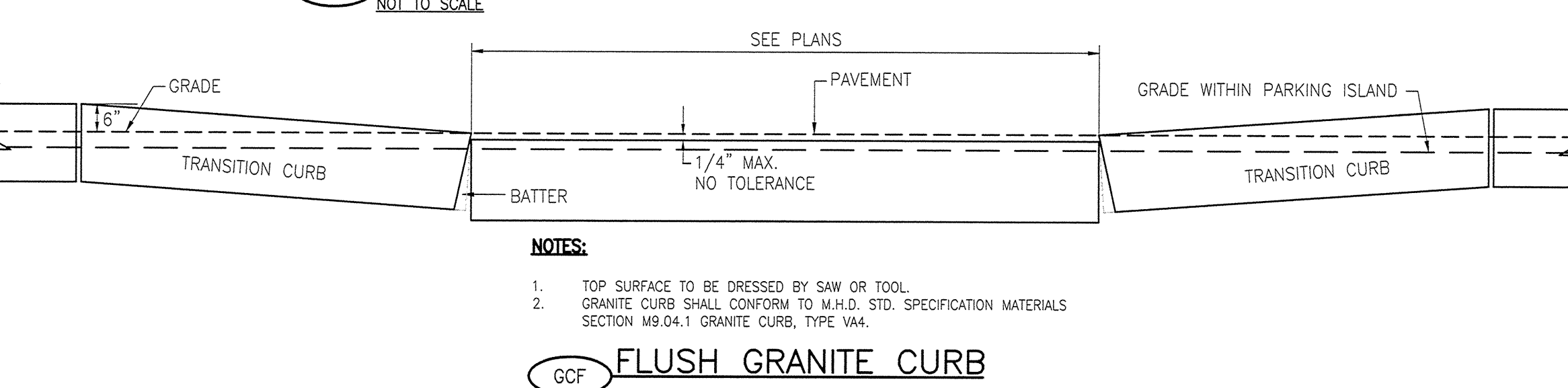
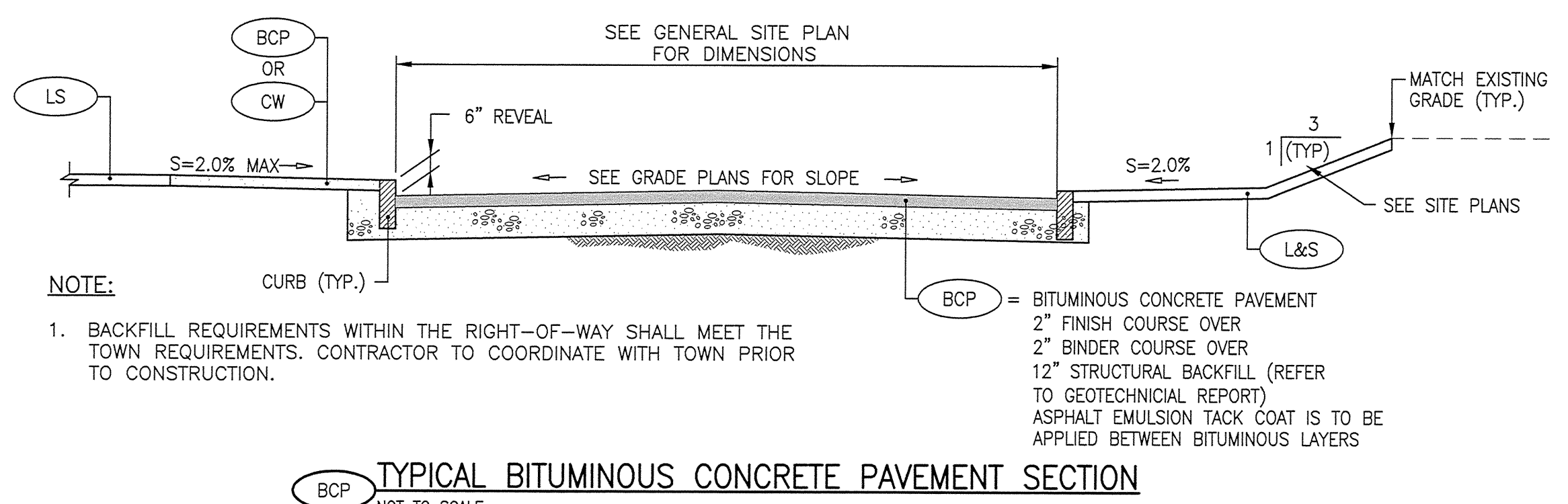
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PERMITTING PLANS	
REVISION:	Date:
REVIEW COMMENTS:	09-29-2015
RESPONSE TO COMMENTS:	10-01-2015
DATE:	SCALE:
08/13/15	1"=20'
DRAWN BY:	CHKD BY:
AWB	MJG

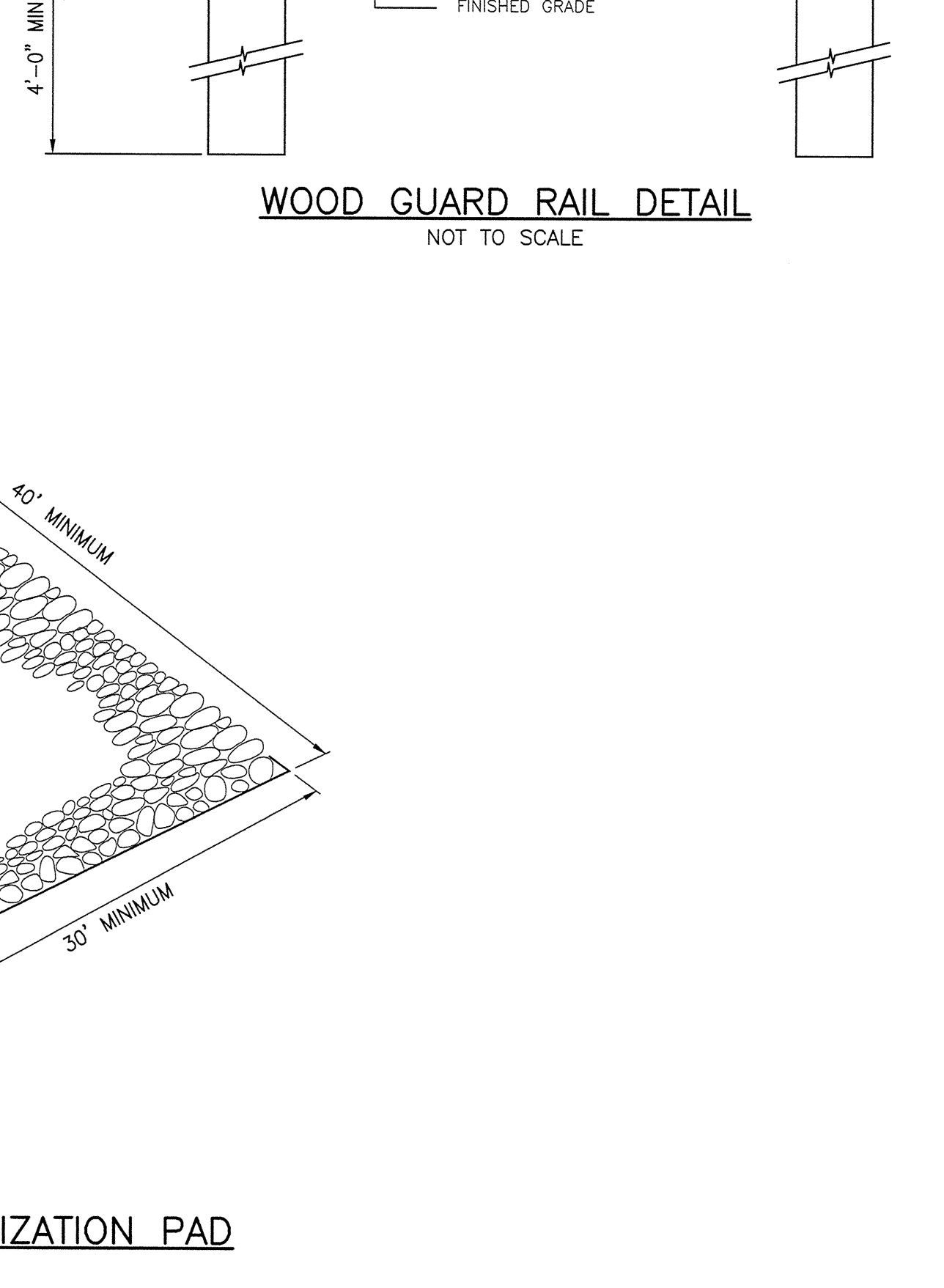
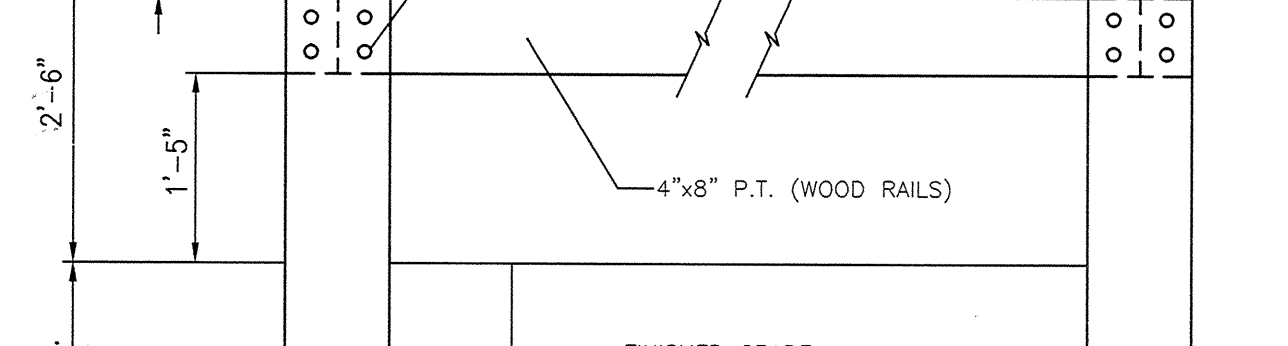
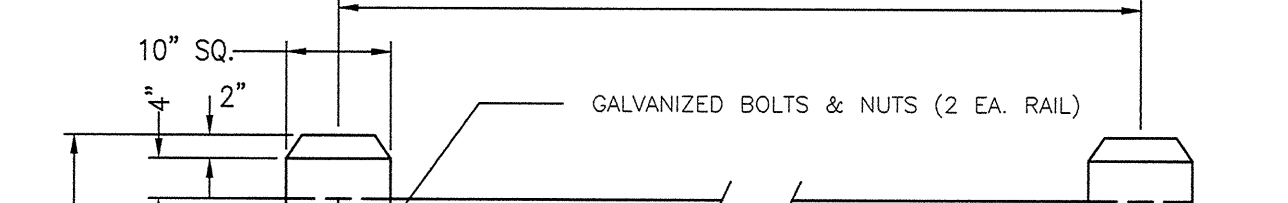
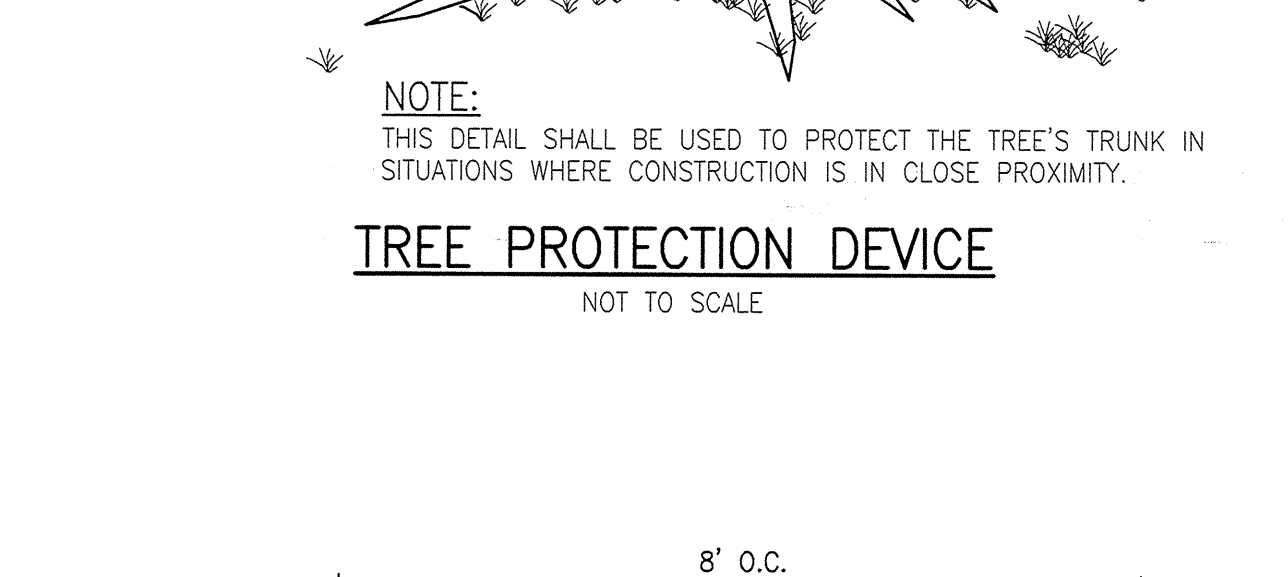
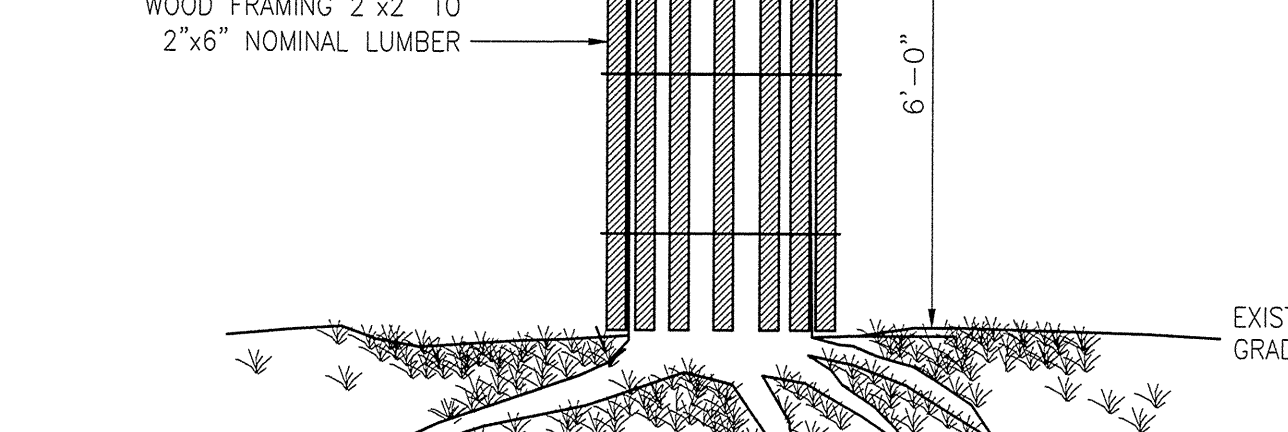
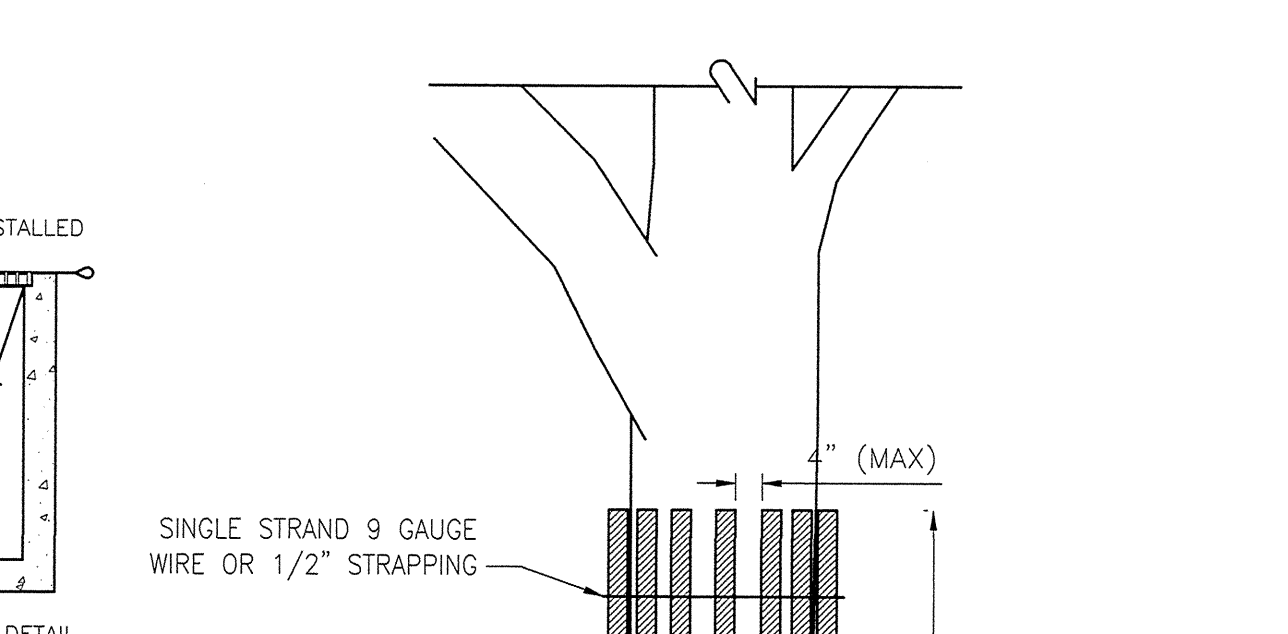
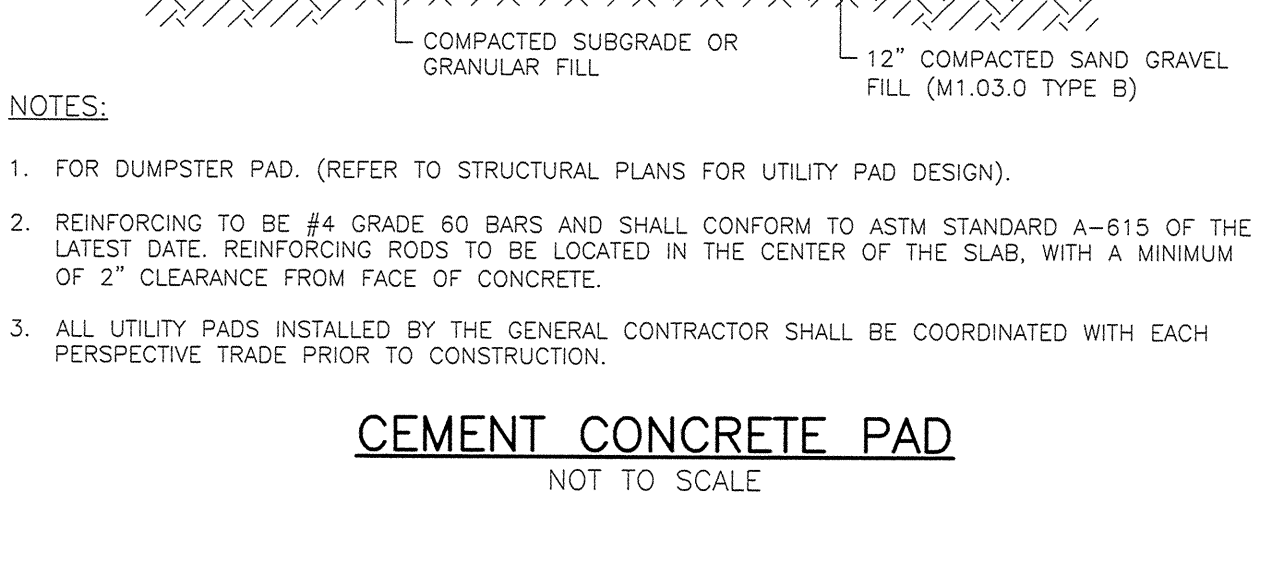
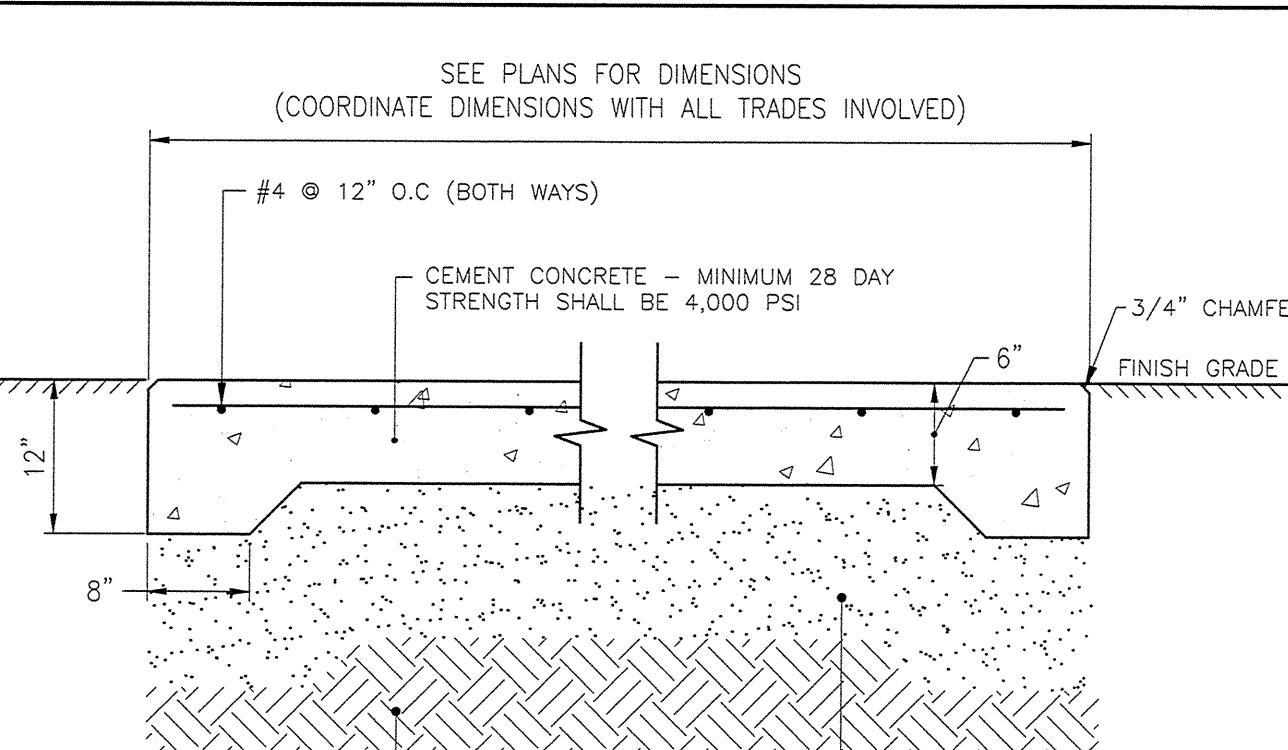
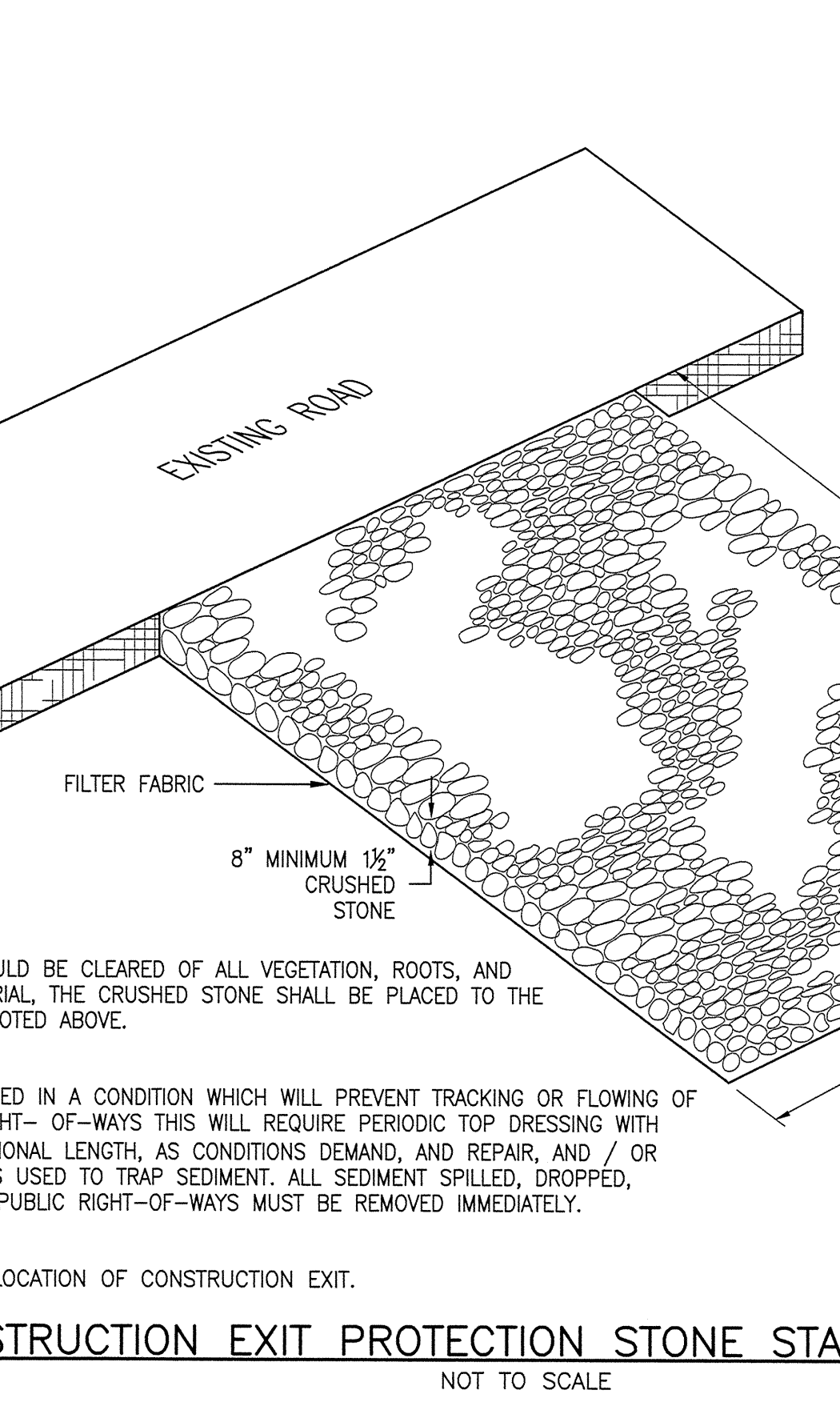
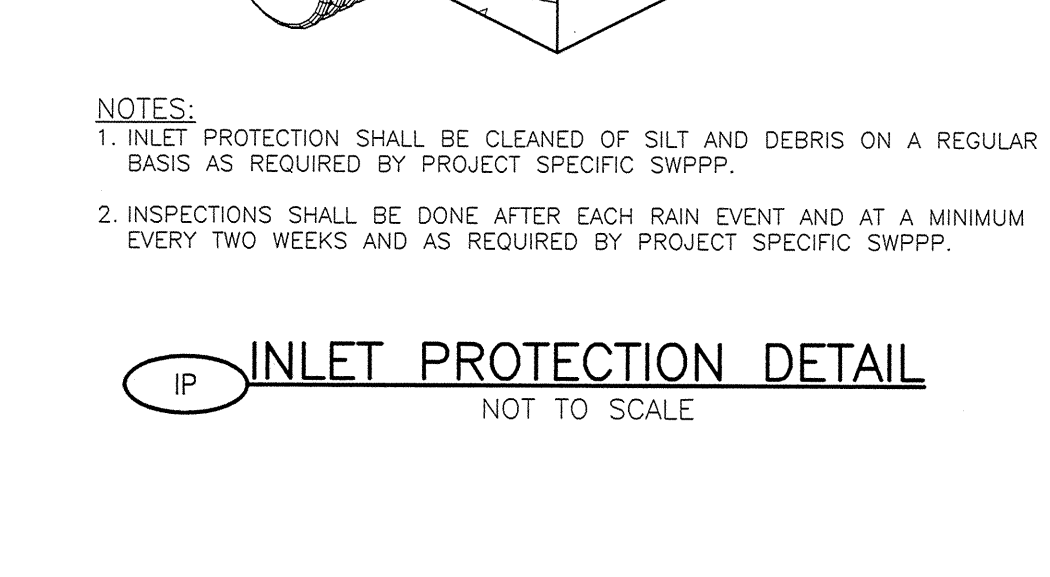
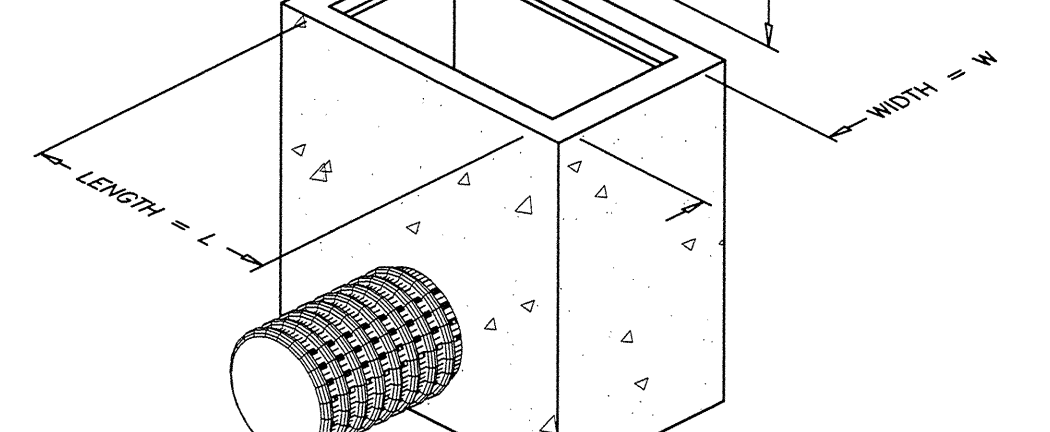
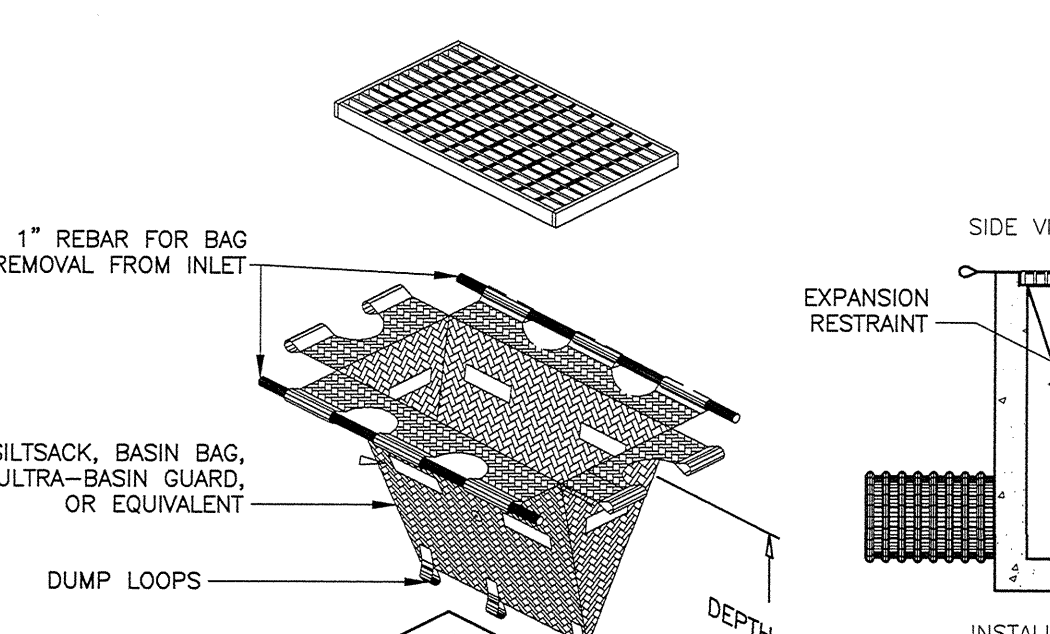
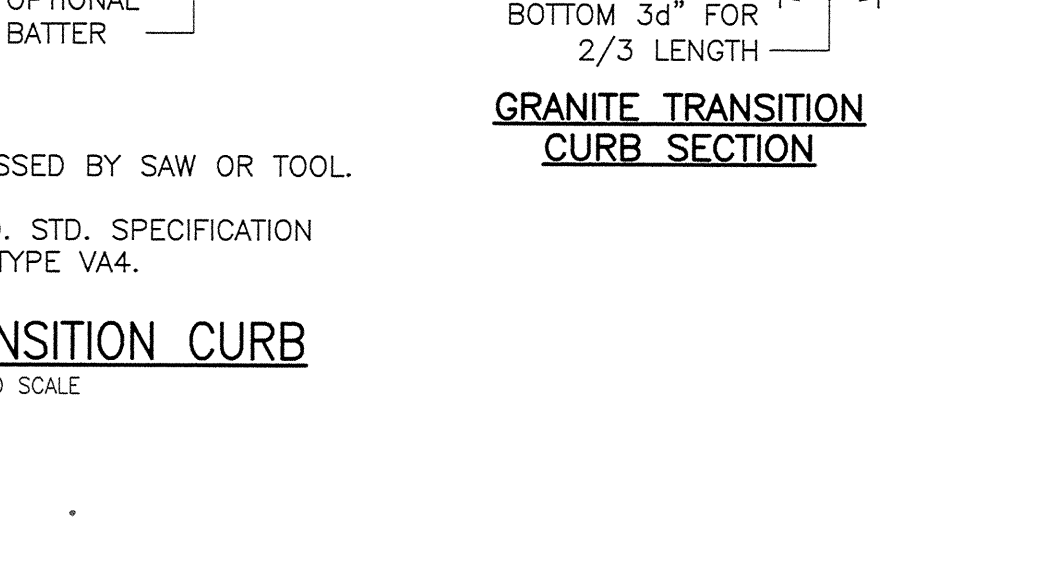
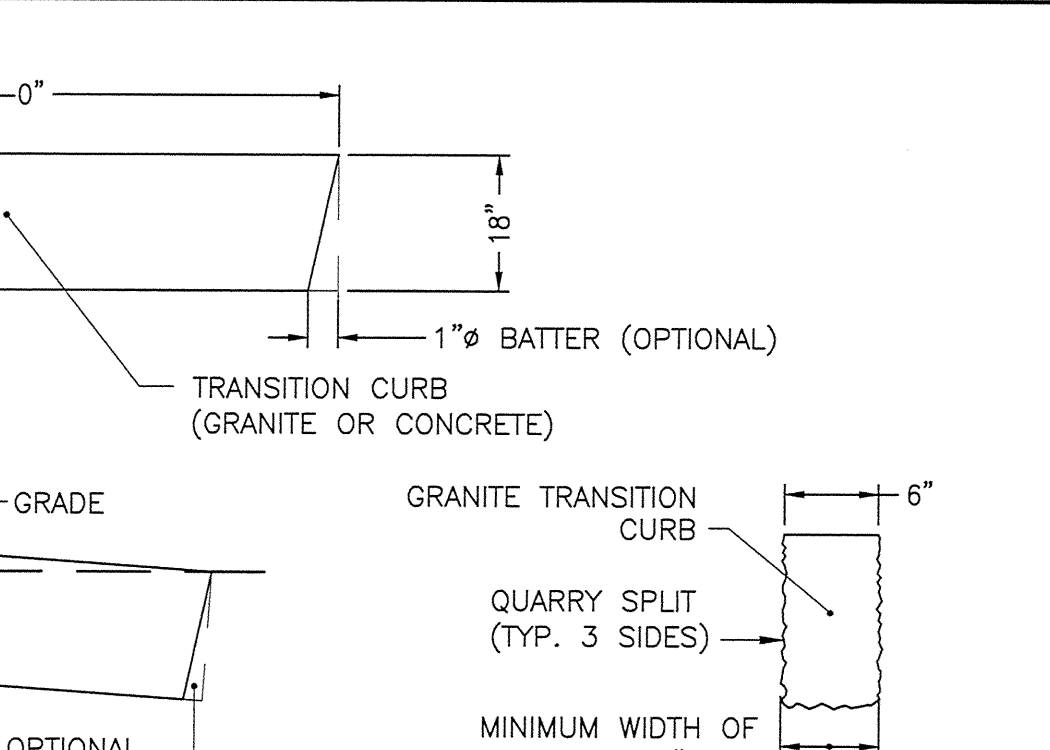
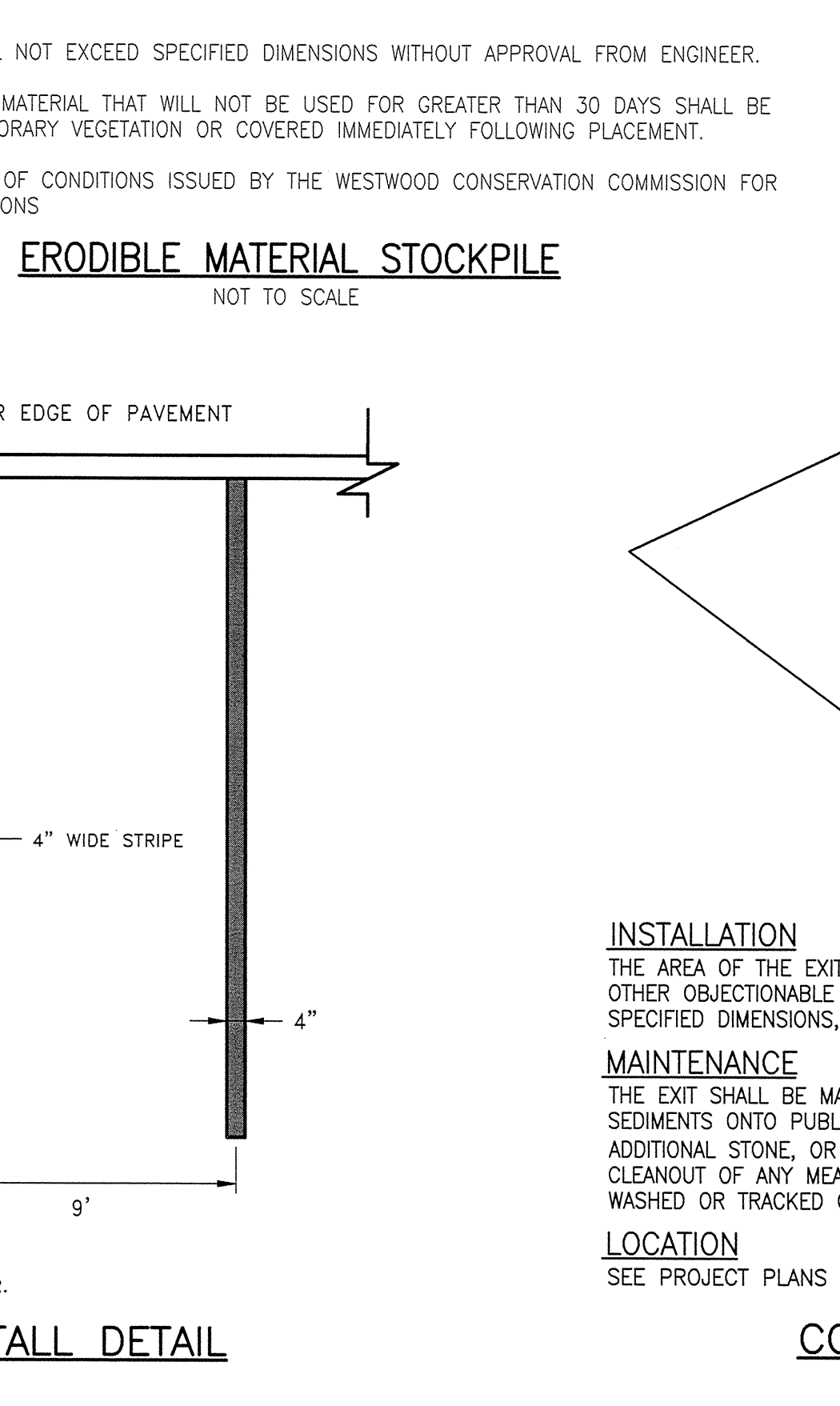
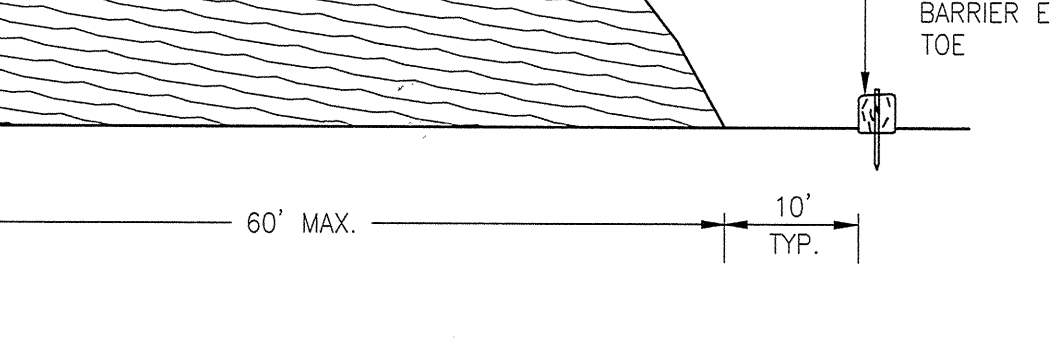
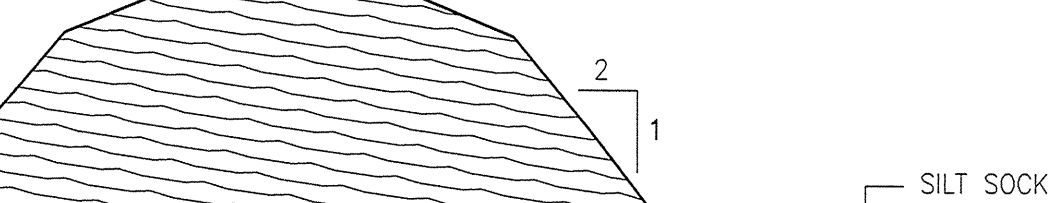
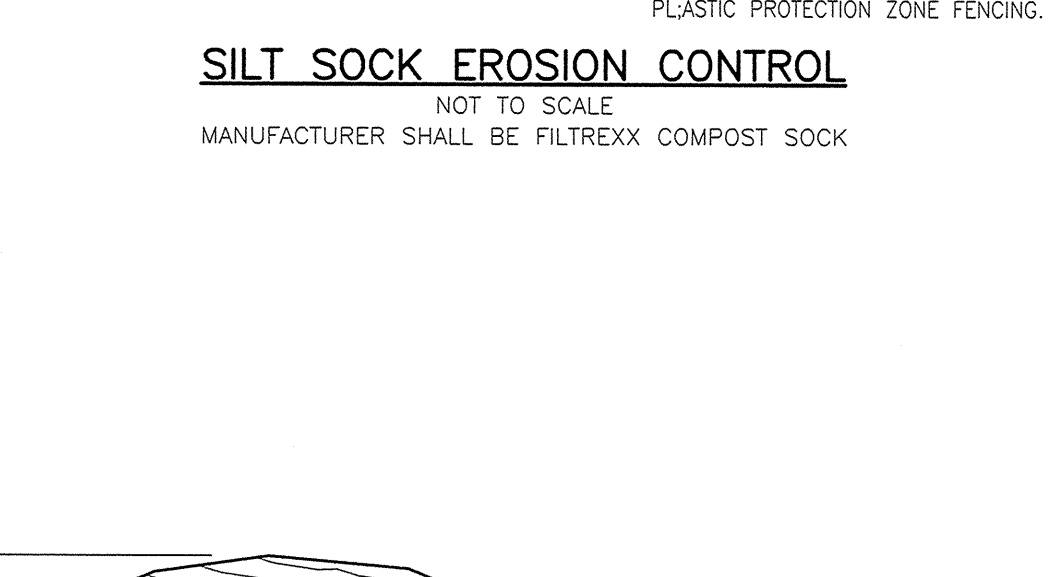
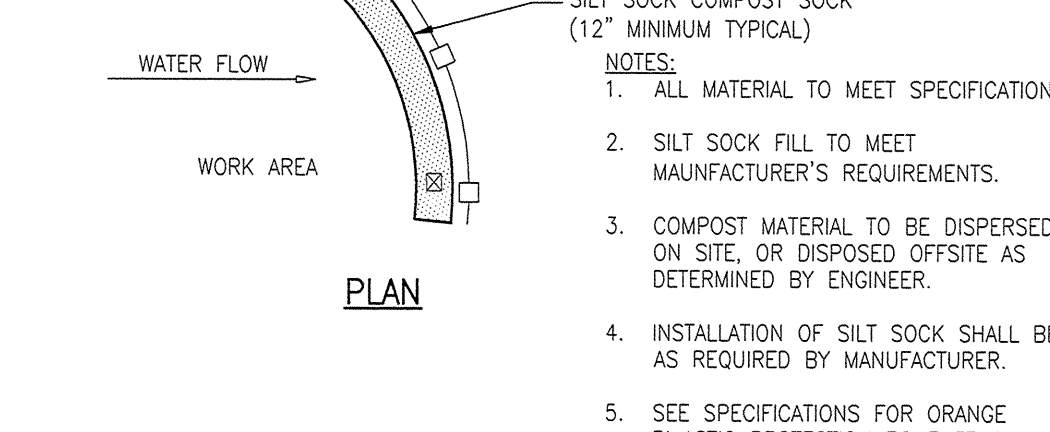
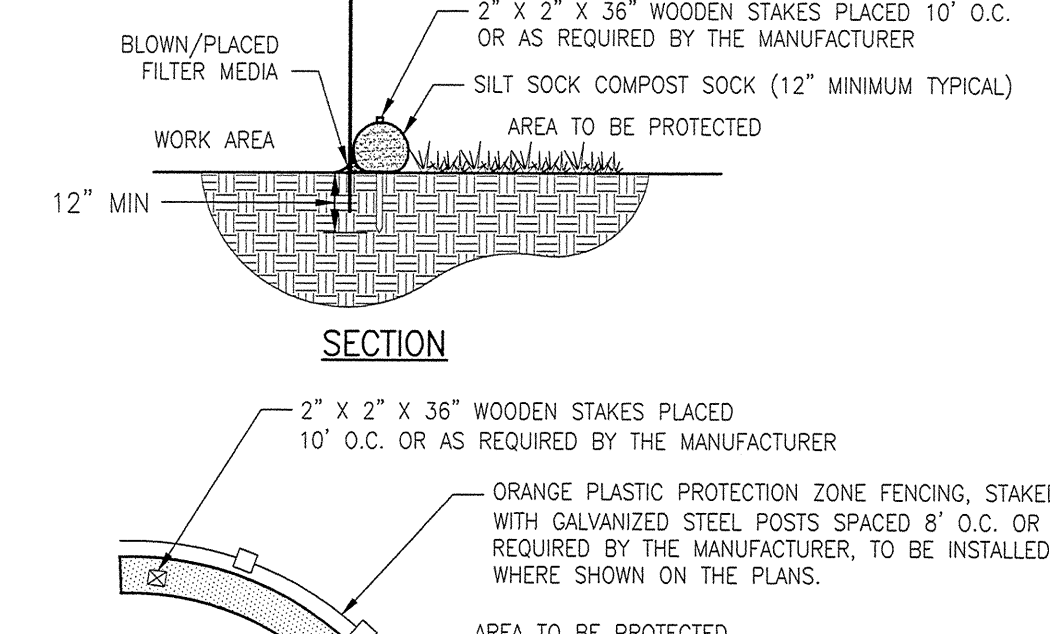
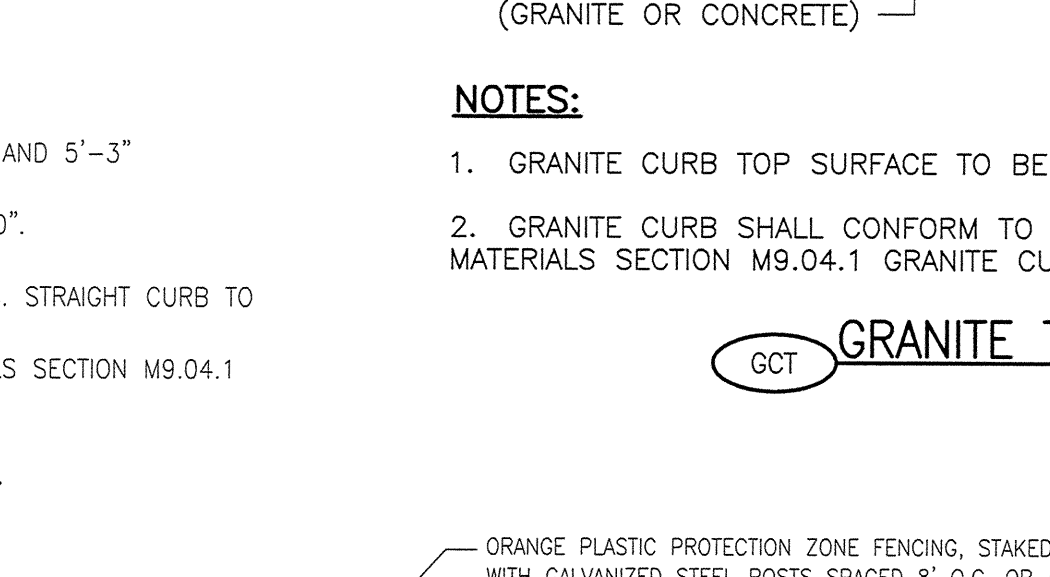
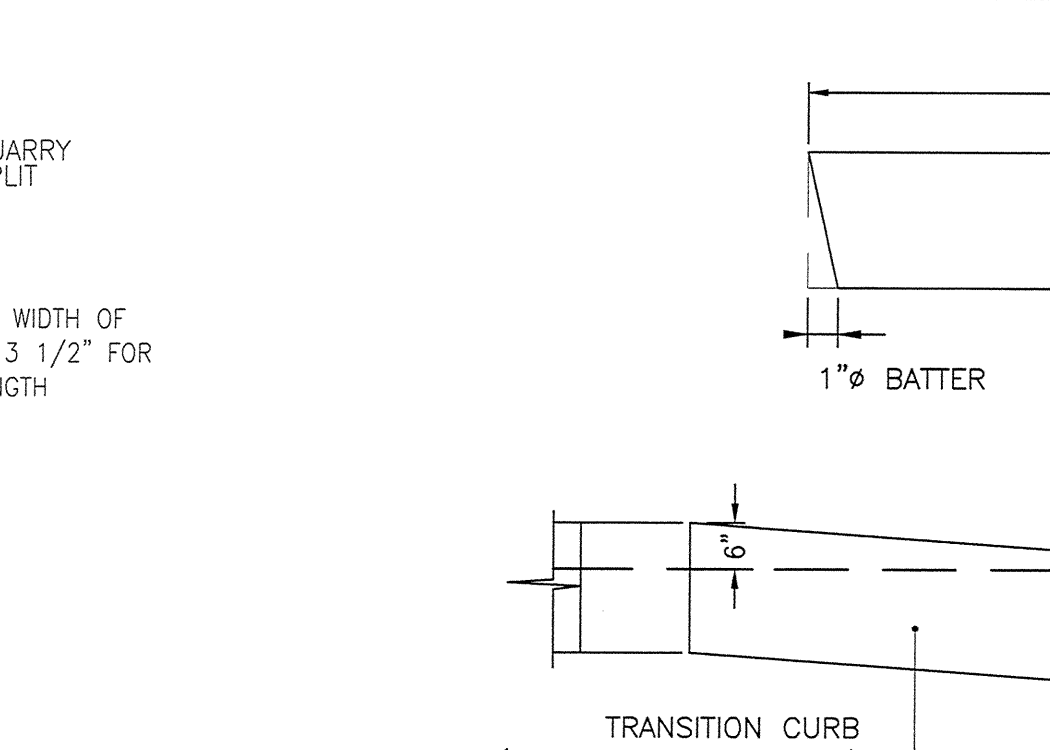
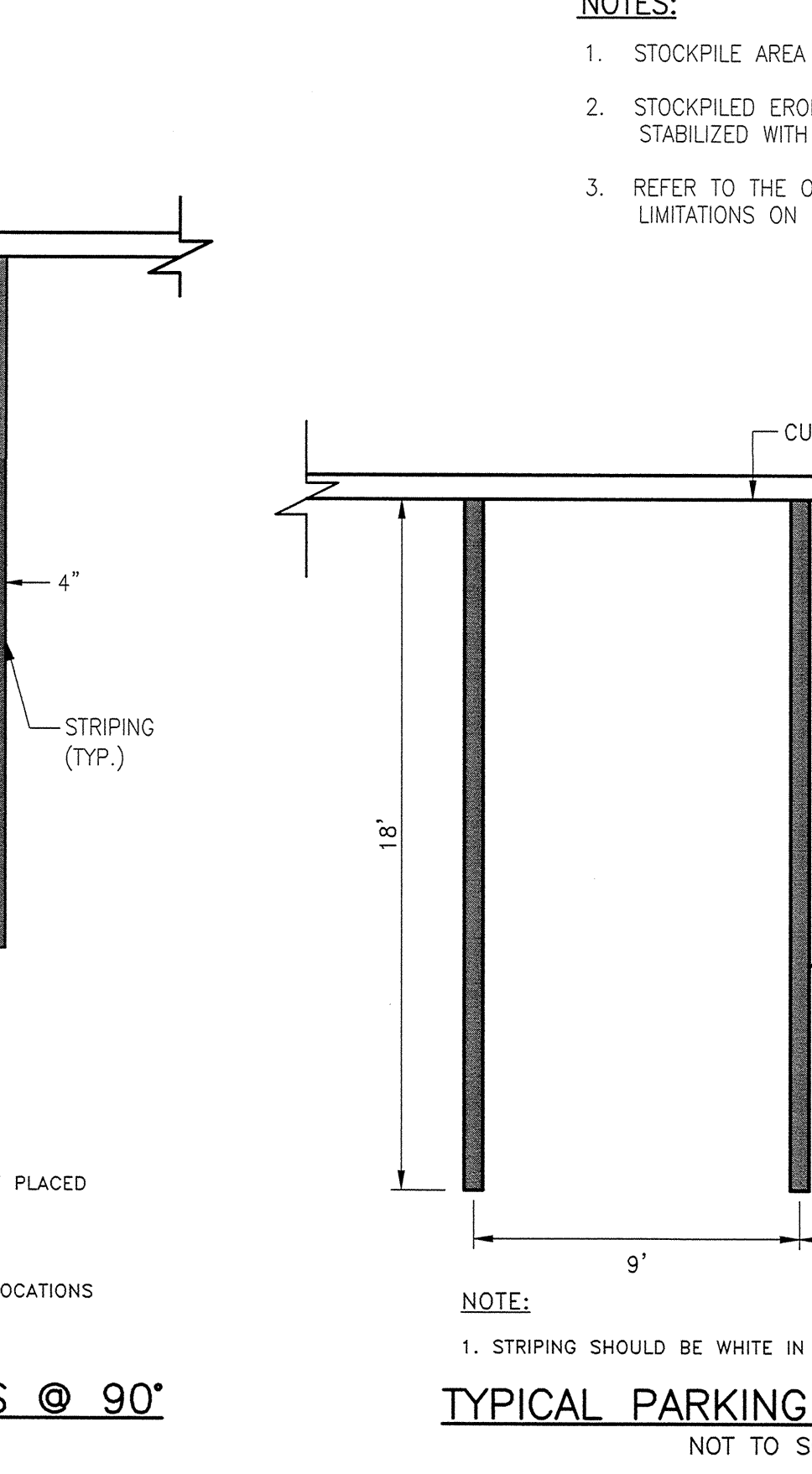
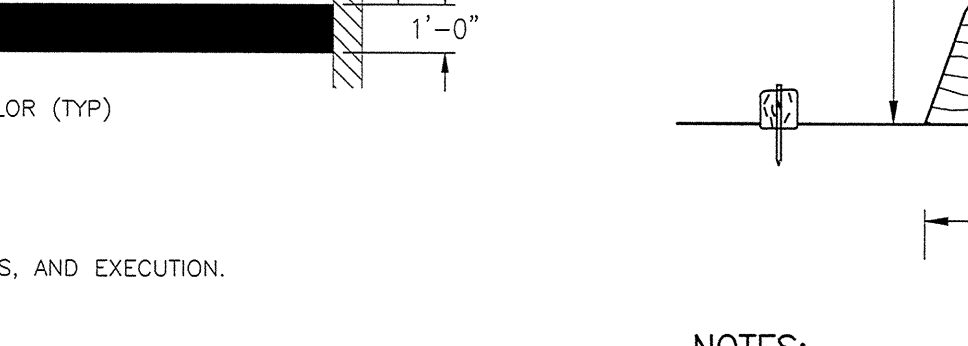
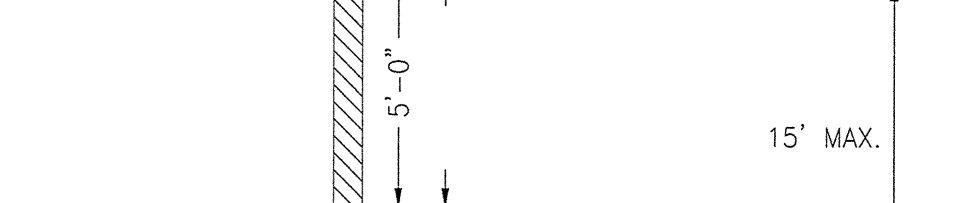
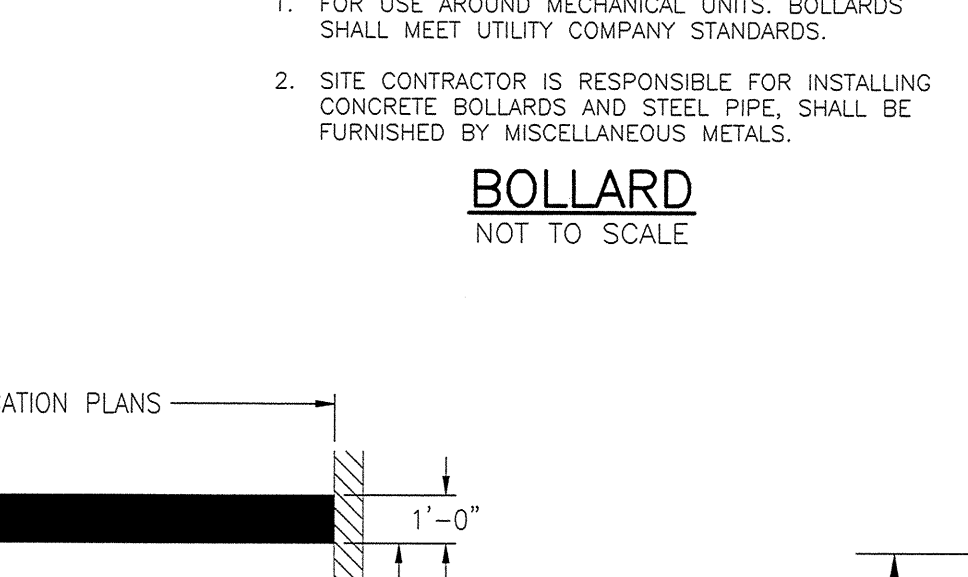
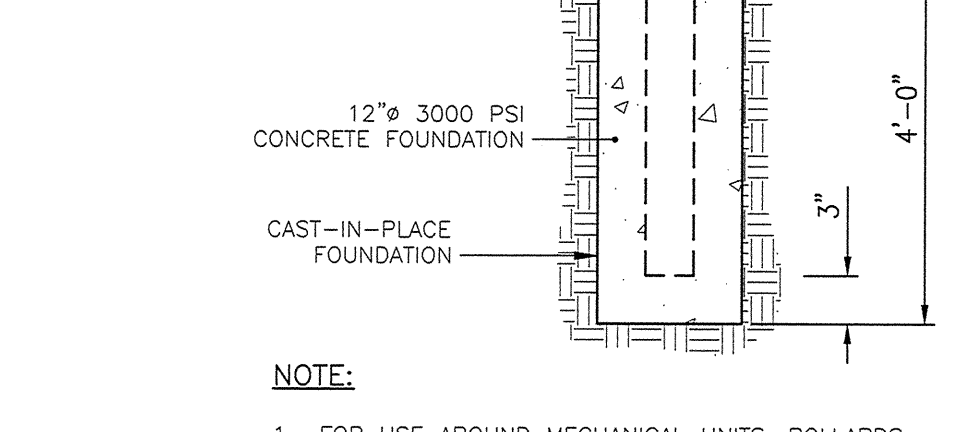
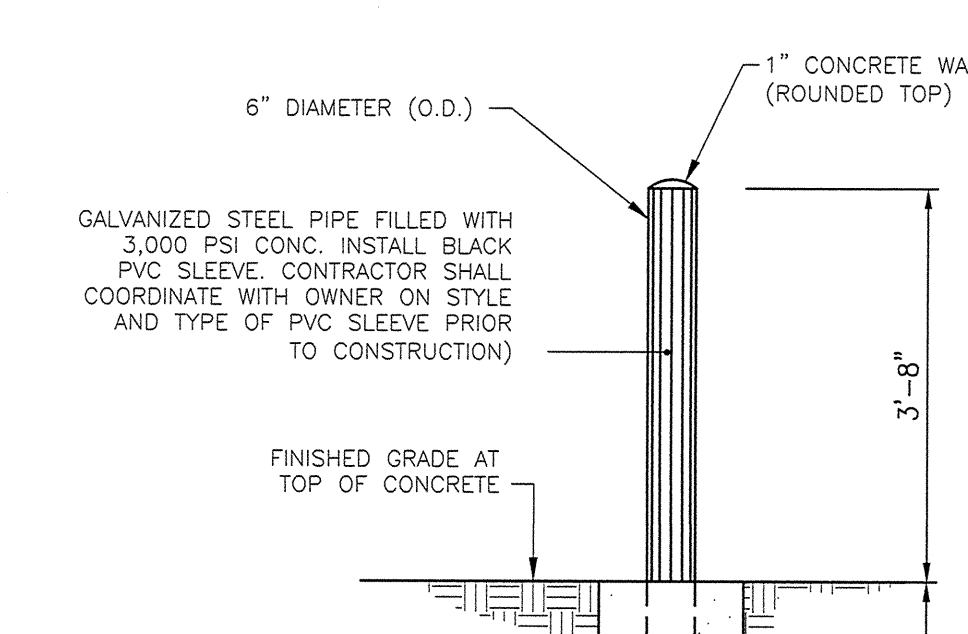
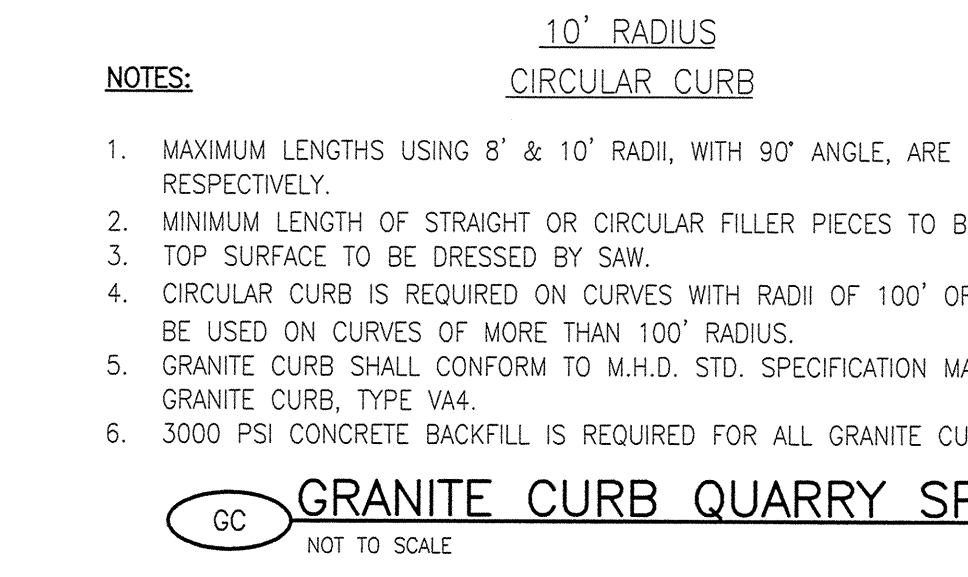
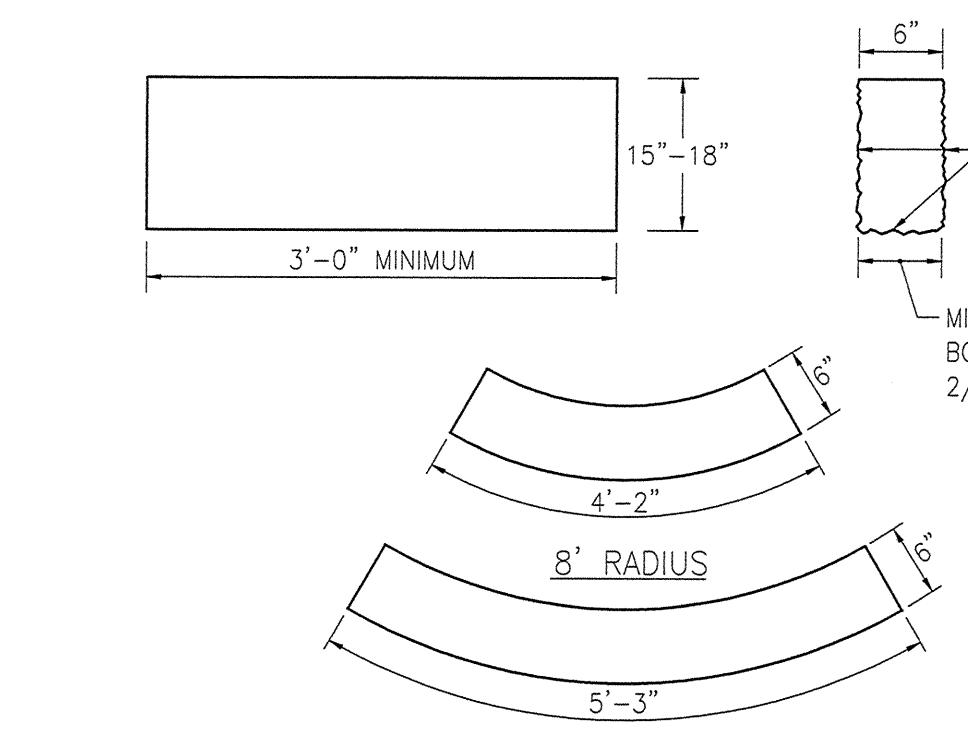
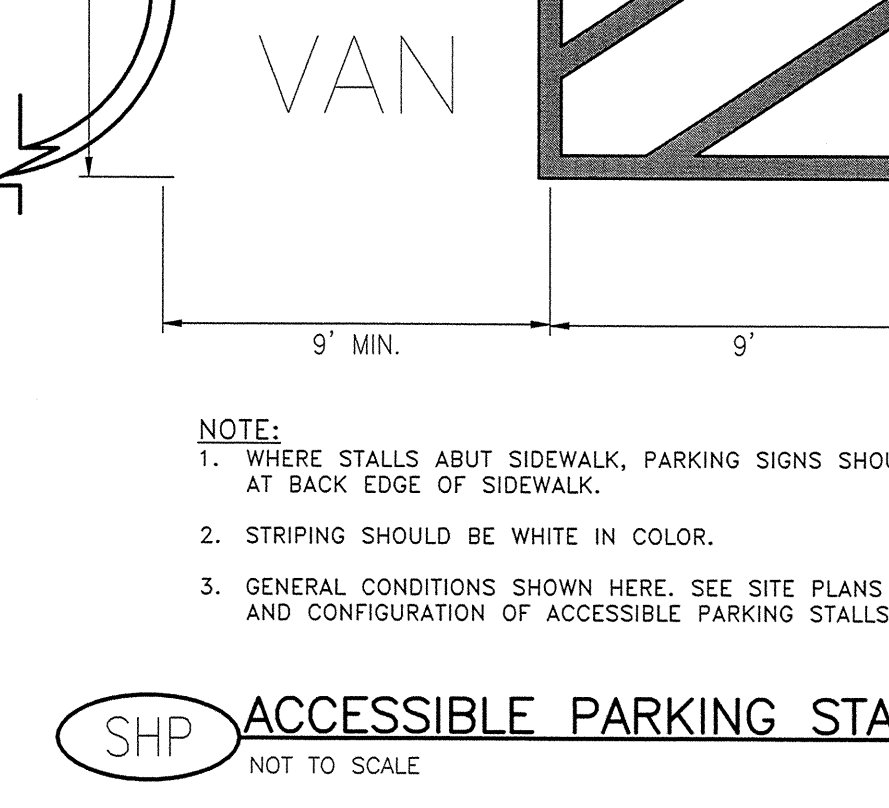
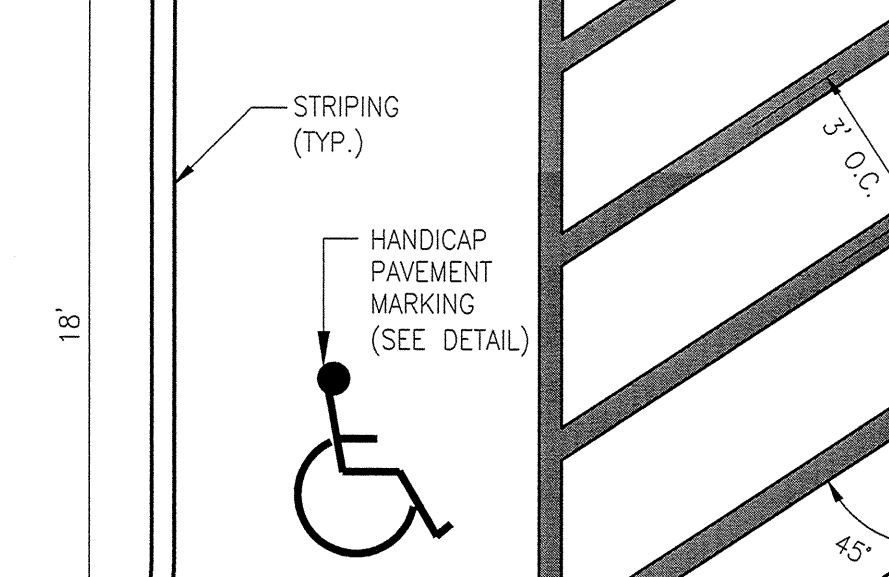
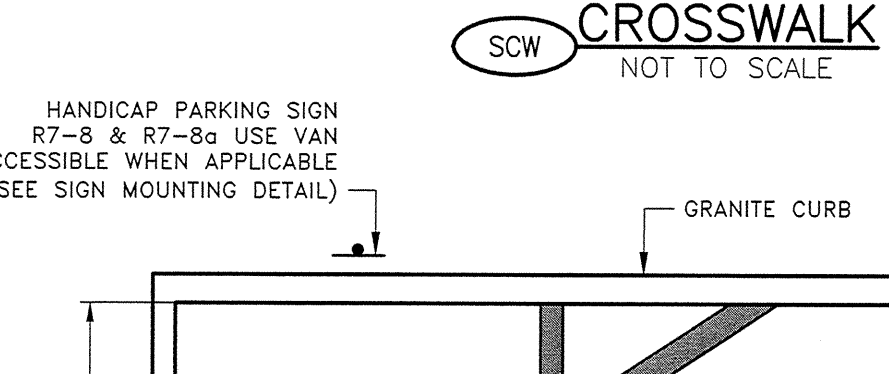
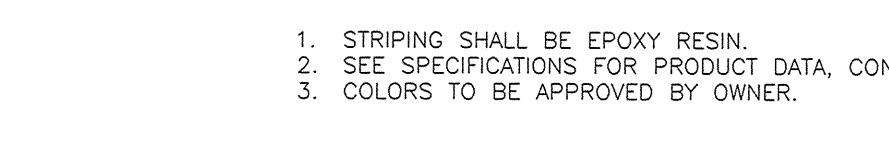
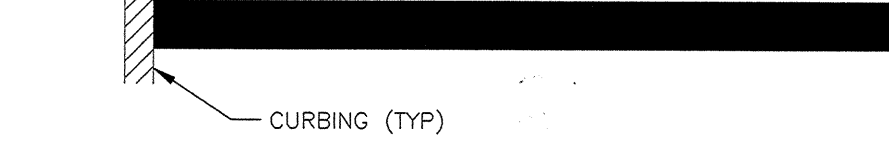
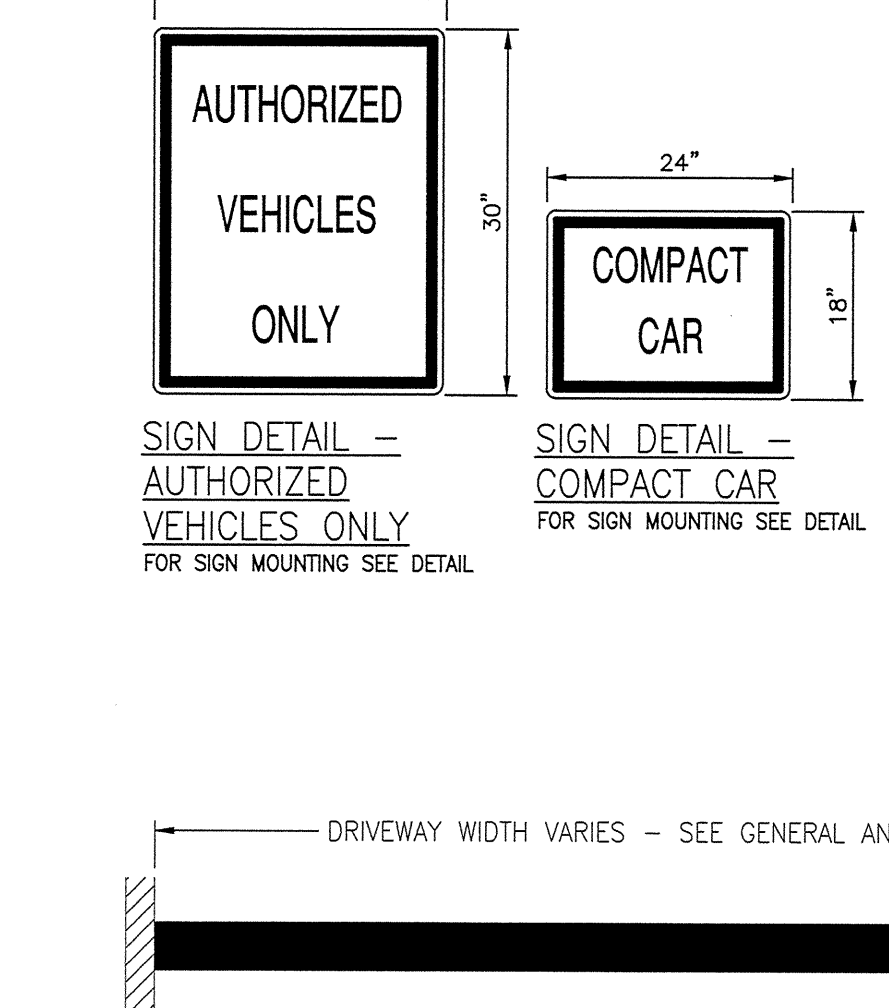
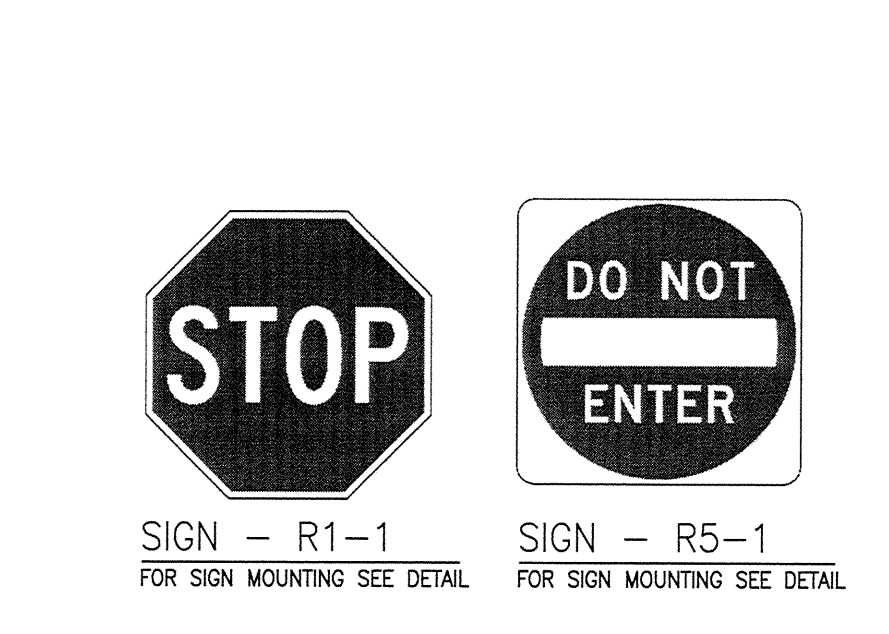
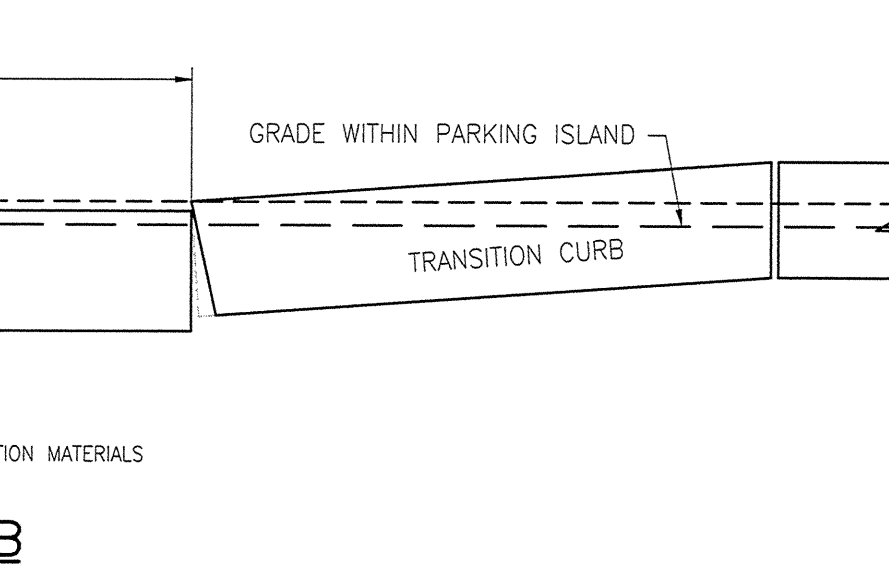
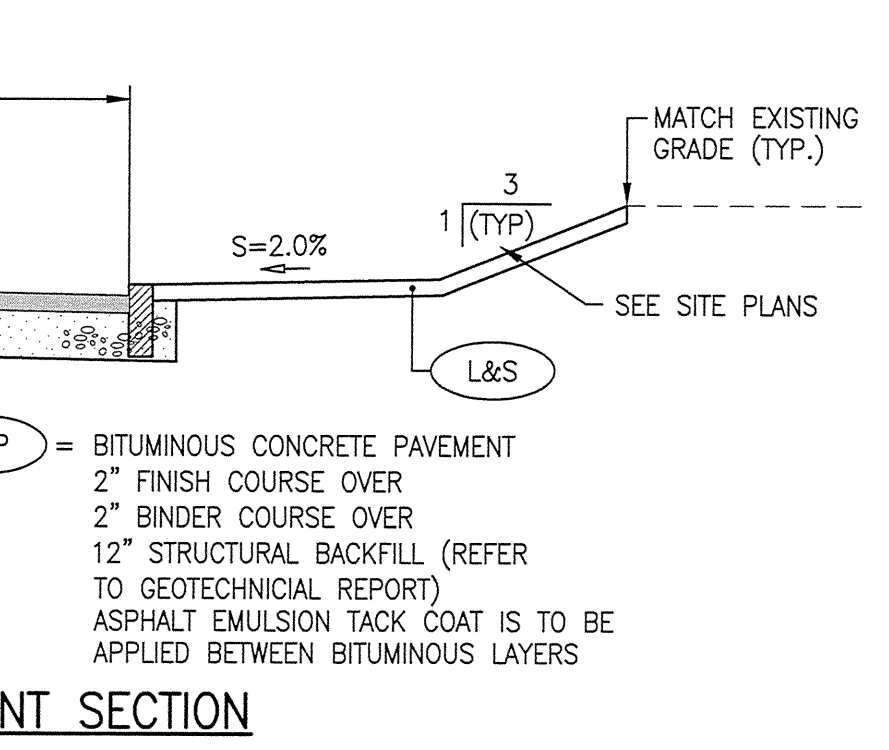
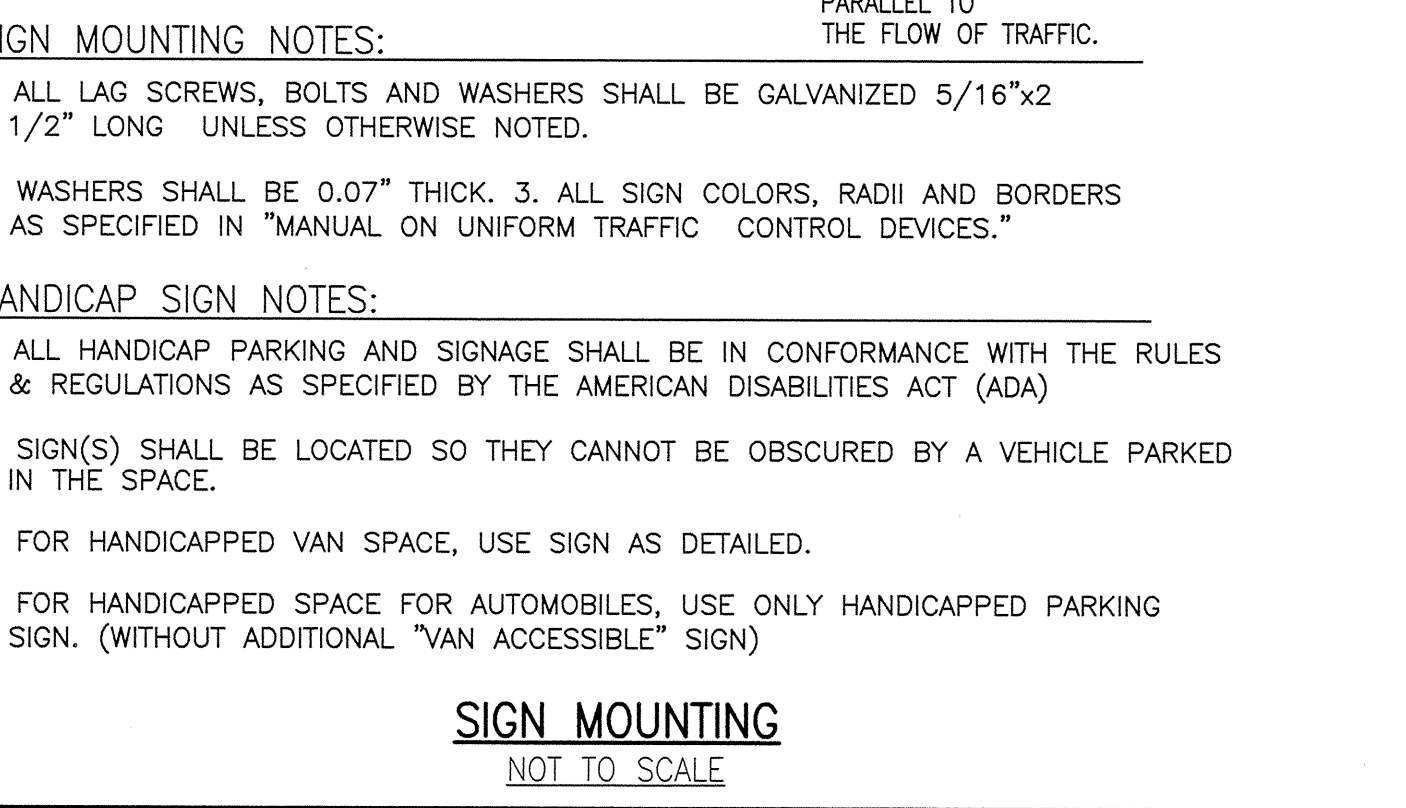
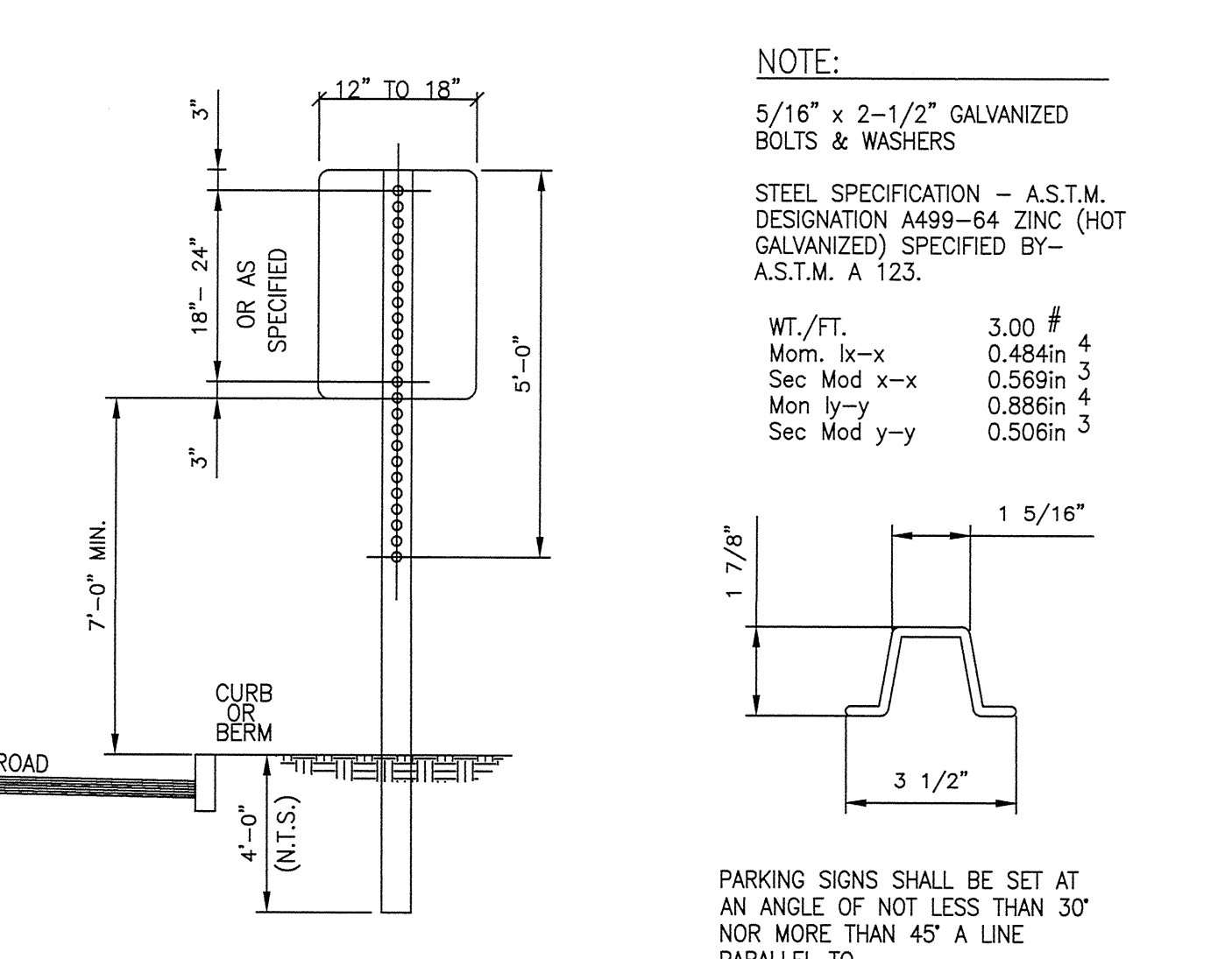
SHEET TITLE:
UTILITY PLAN

SHEET #:
C5.0





NOTE:
1. ALL ACCESSIBLE PARKING AND SIGNAGE SHALL BE IN CONFORMANCE WITH THE RULES & REGULATIONS OF MAAB (521 CMR).
2. REFER TO SIGN MOUNTING DETAIL FOR ADDITIONAL COMMENTS.



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DW
DORE & WHITFIELD ARCHITECTS, INC.
Westwood, MA 01090
P: 978-499-2999
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211 Bury Street
Westwood, MA 01090
P: 978-499-4955
F: 978-499-4955
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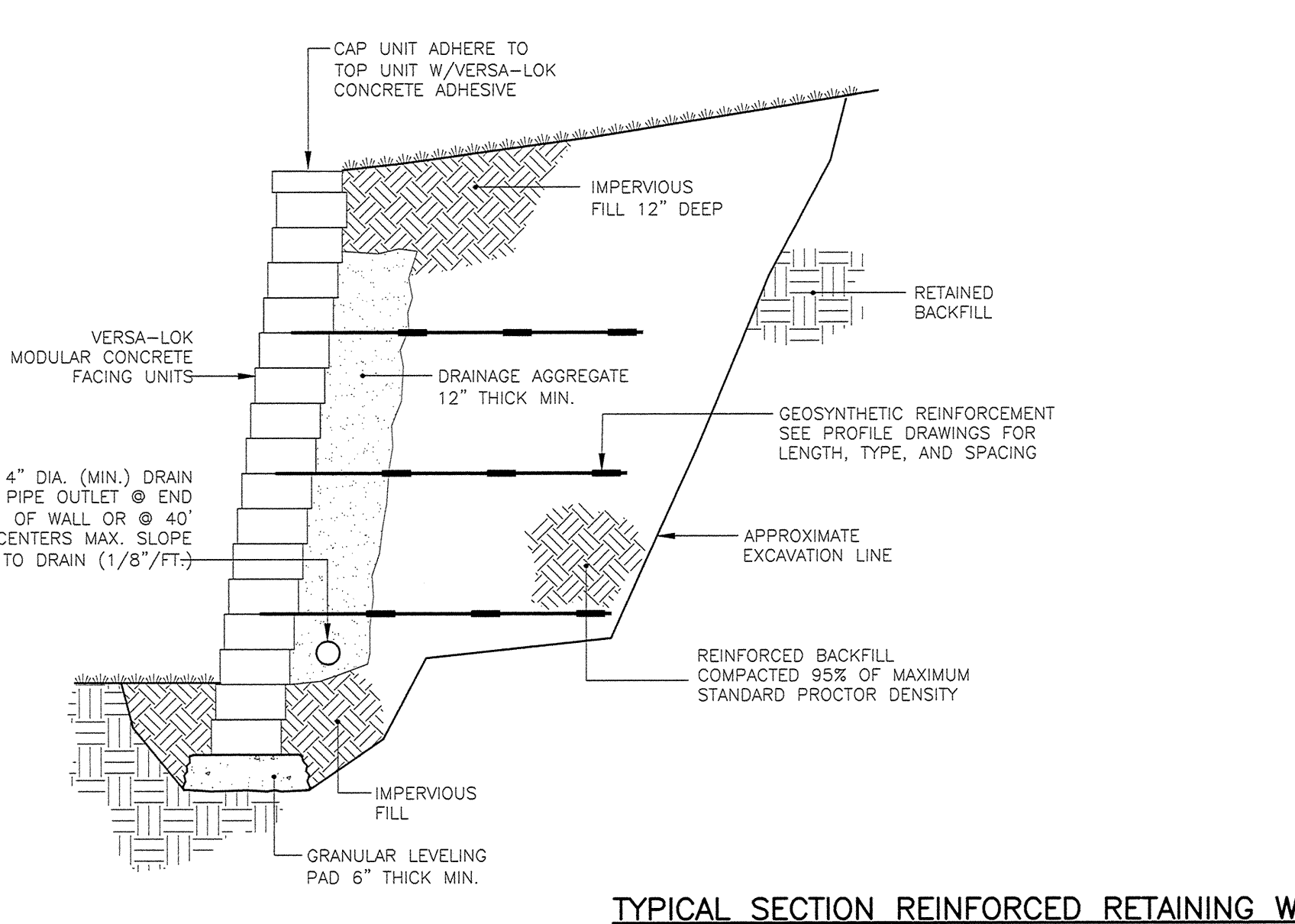
Project No. **15007.00**

WESTWOOD POLICE DEPARTMENT
500 HIGH STREET
WESTWOOD, MA. 02090

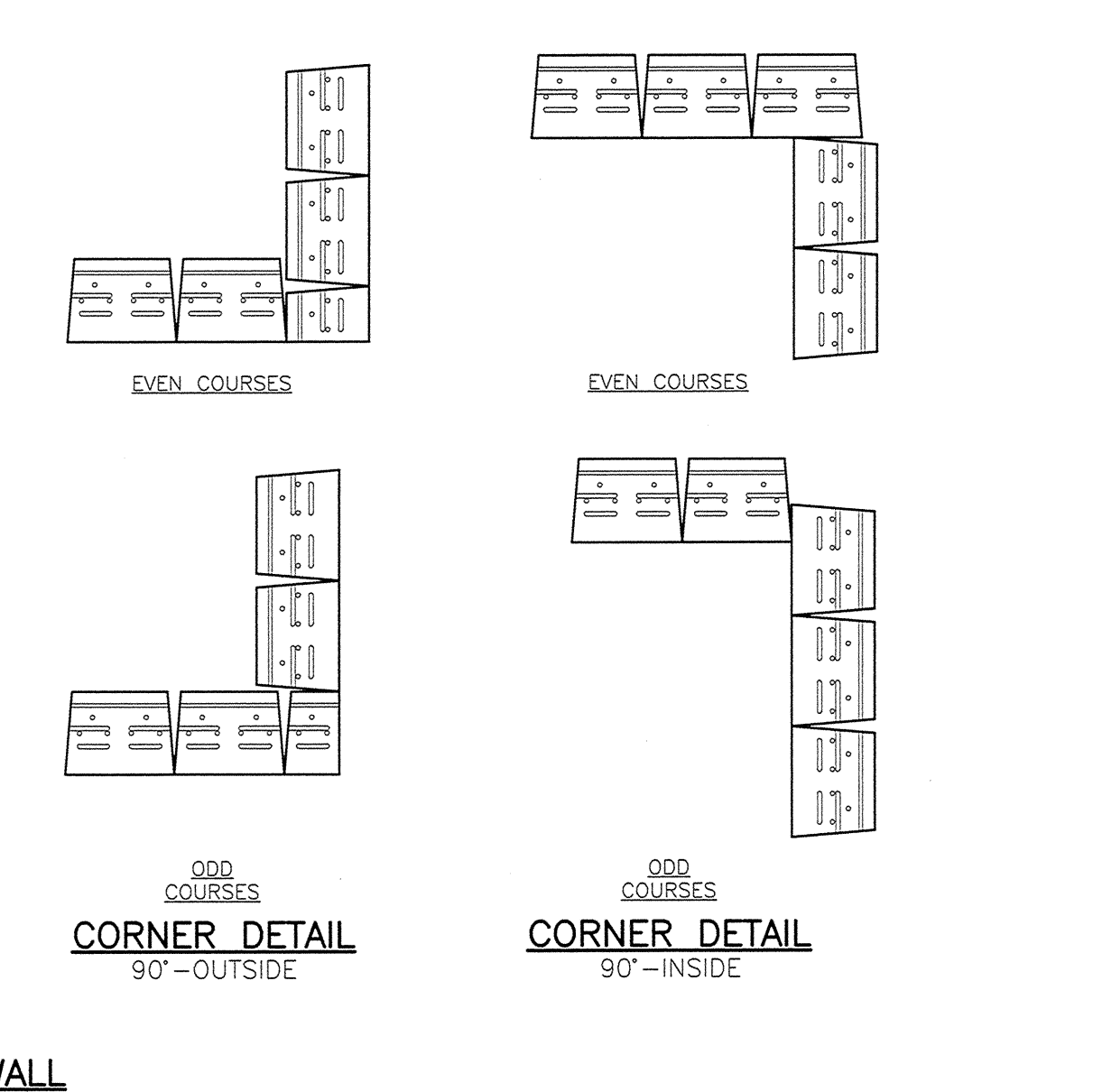
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SITE DETAILS 1

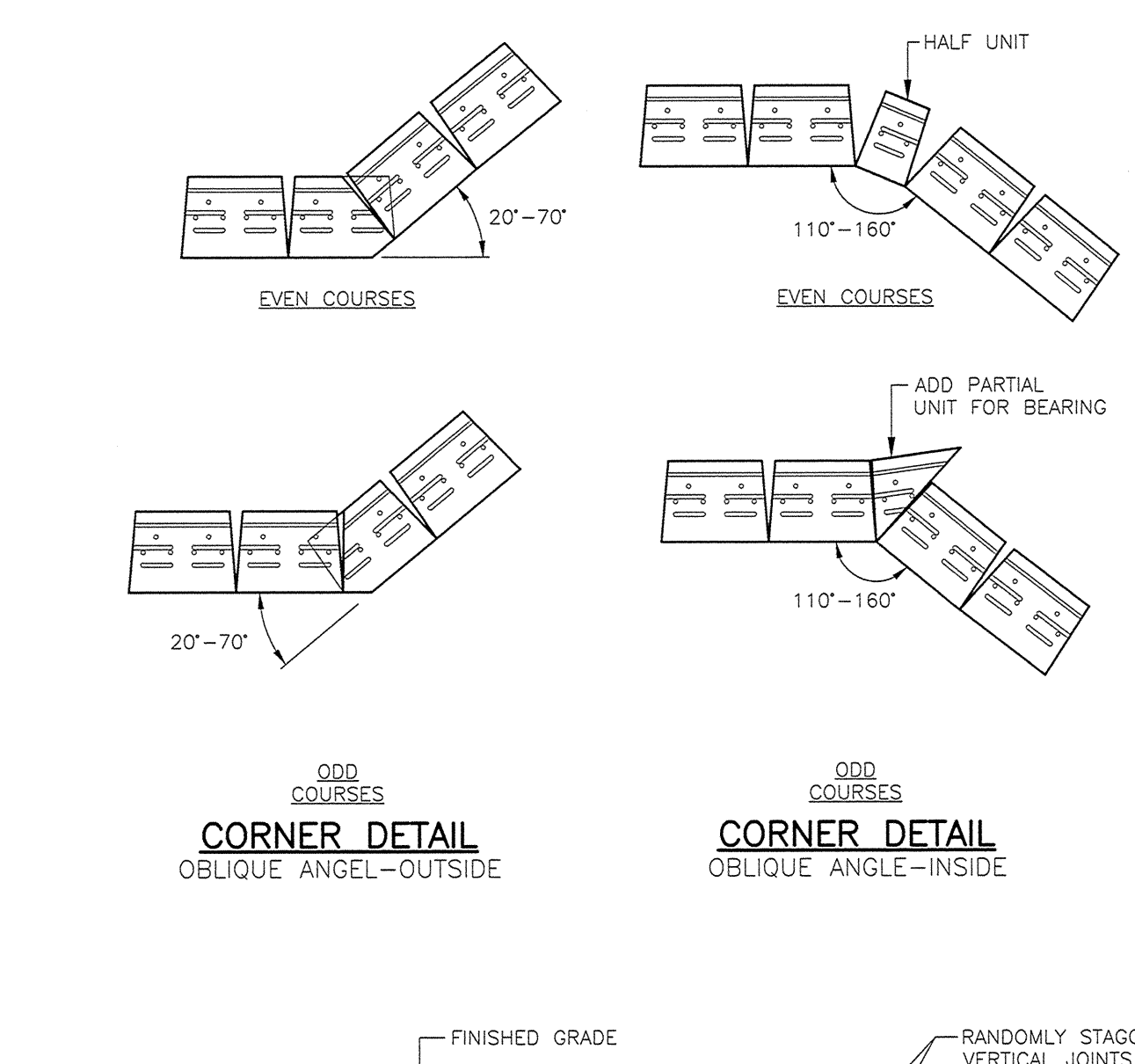
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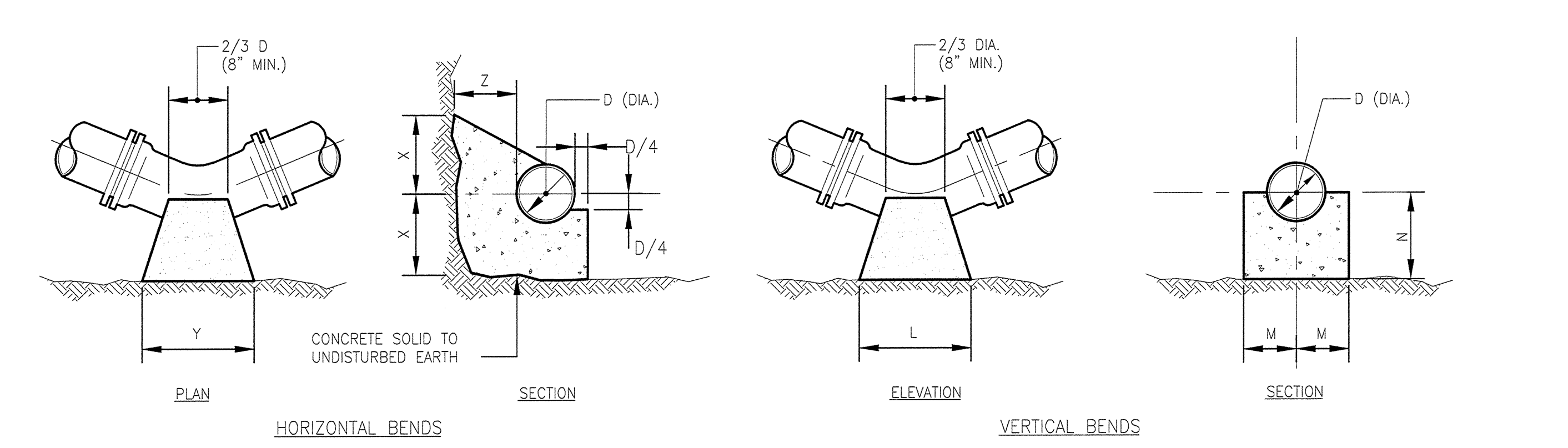
TYPICAL SECTION REINFORCED RETAINING WALL
MODULAR CONCRETE UNIT



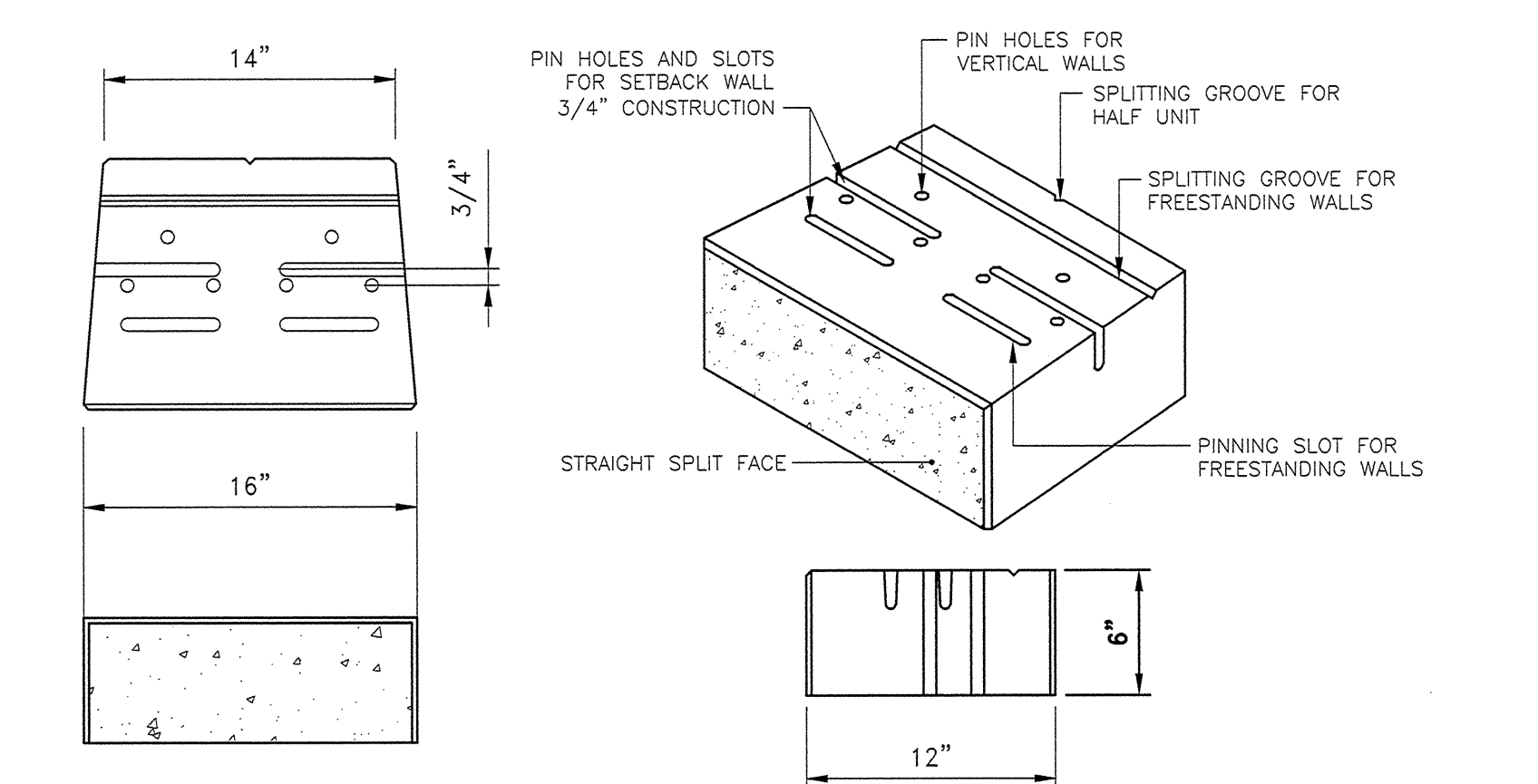
CORNER DETAIL 90-OUTSIDE
CORNER DETAIL 90-INSIDE



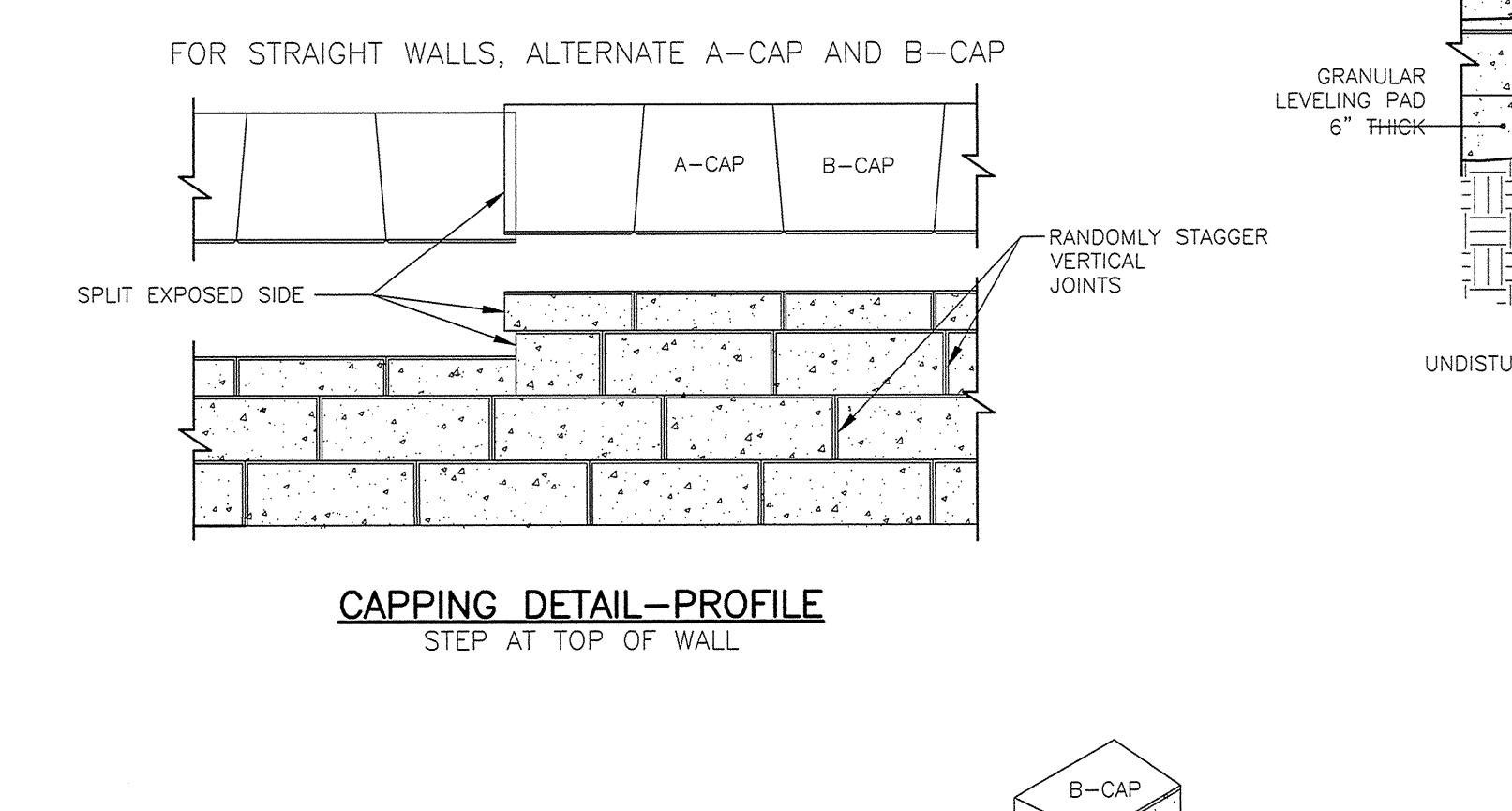
CORNER DETAIL OBLIQUE ANGLE-OUTSIDE
CORNER DETAIL OBLIQUE ANGLE-INSIDE



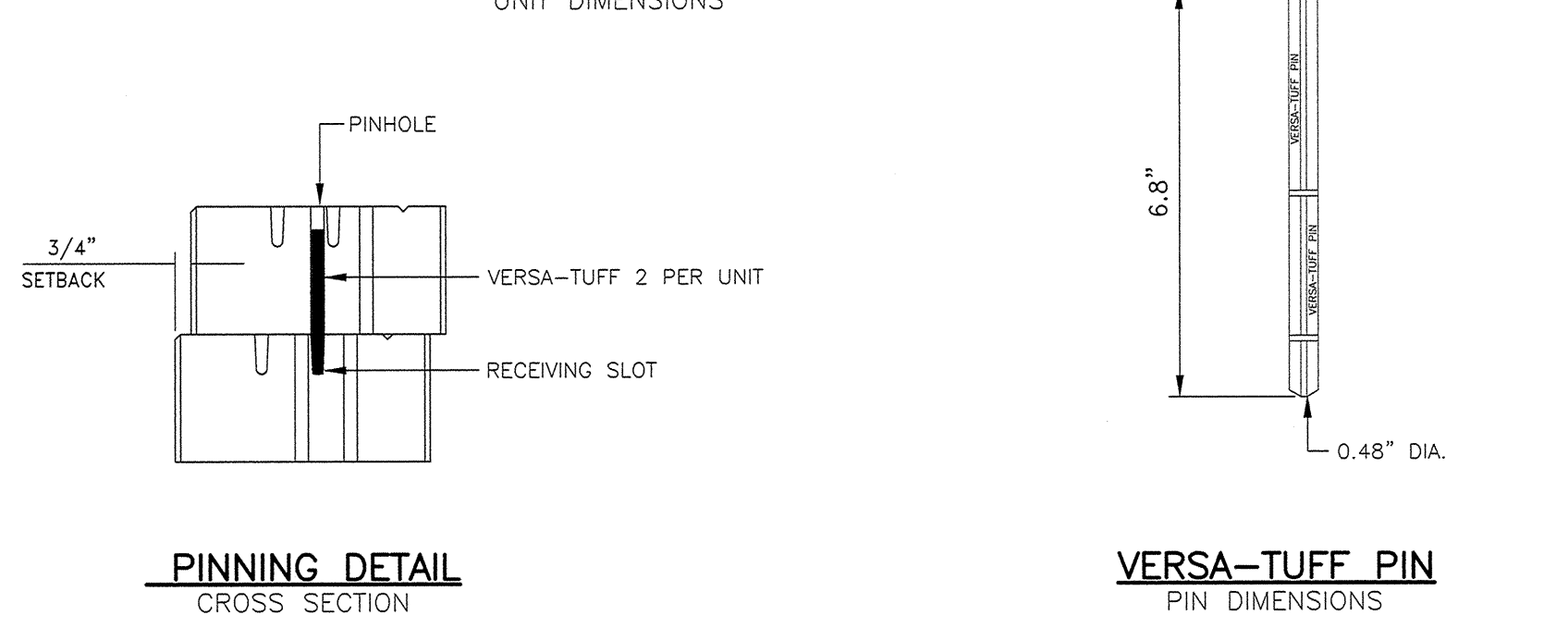
HORIZONTAL BENDS
VERTICAL BENDS



VERSERA-LOK UNIT DIMENSIONS

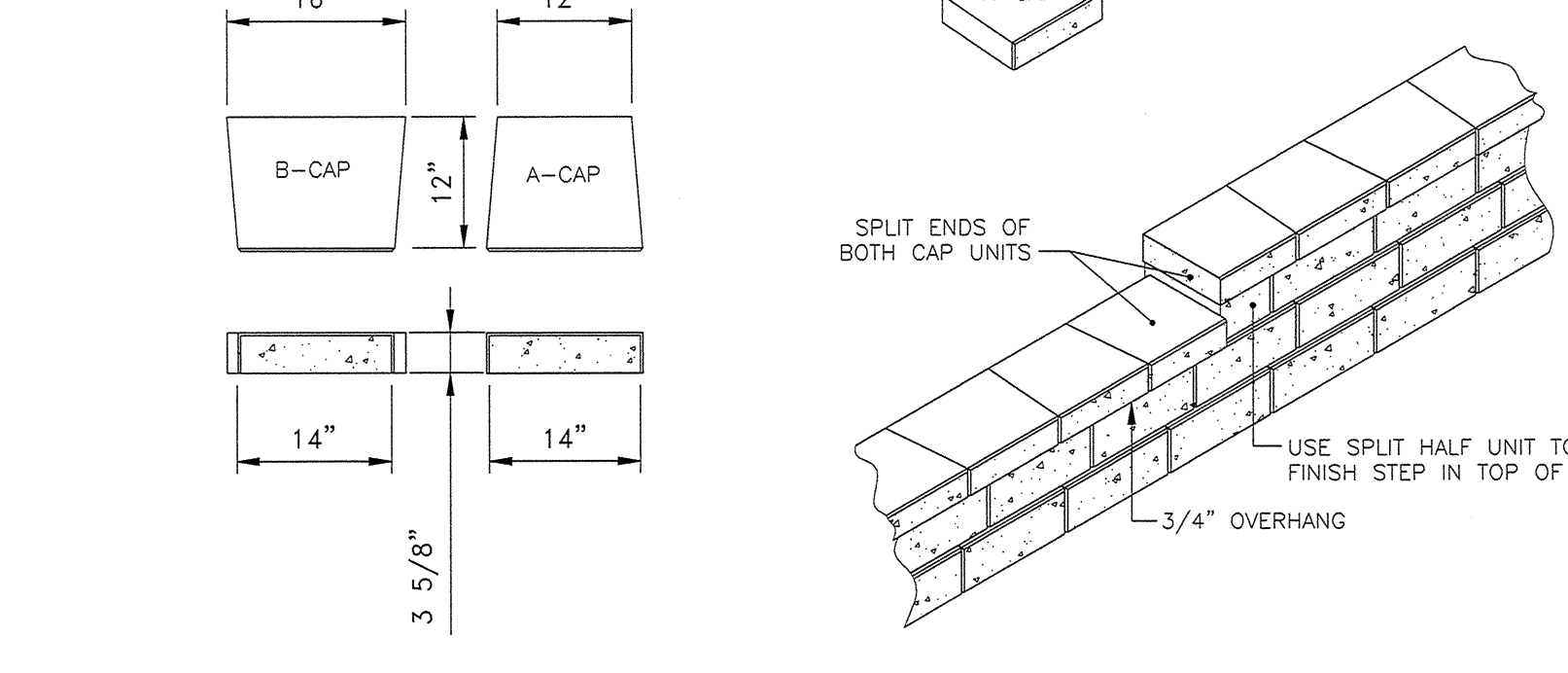


CAPPING DETAIL-PROFILE
STEP AT TOP OF WALL



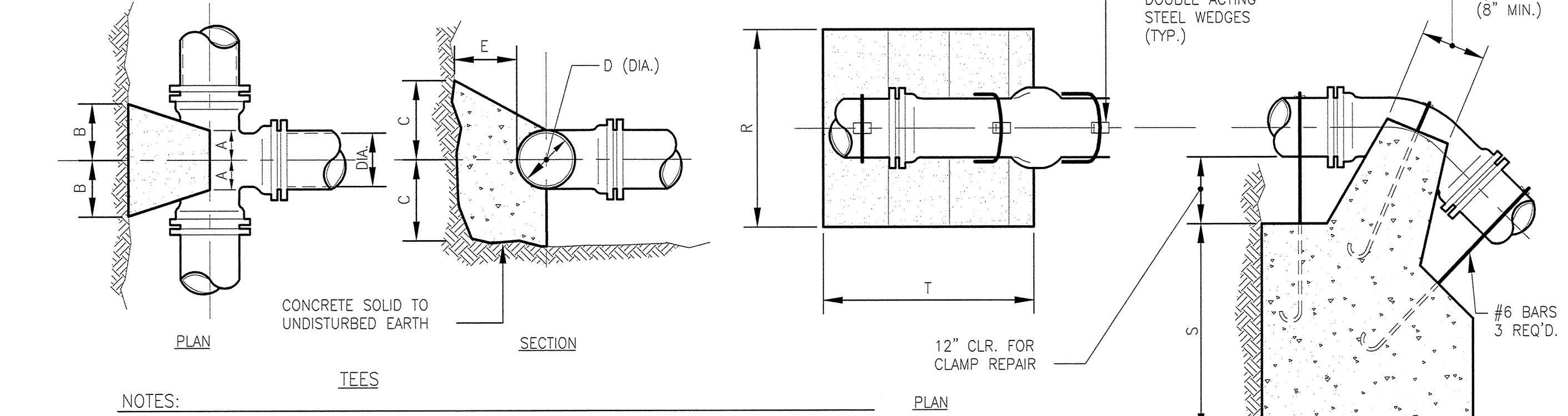
PINNING DETAIL
CROSS SECTION

VERSERA-TUFF PIN
PIN DIMENSIONS



STEPPING BASE DETAIL

GENERAL NOTES FOR CAPPING:
1. CAPS SHALL BE ADHERED TO WALL USING VERSERA-LOK CONCRETE ADHESIVE.
2. CAPS MAY BE PLACED WITH A 1/2\"/>



TEES

ANCHORAGES

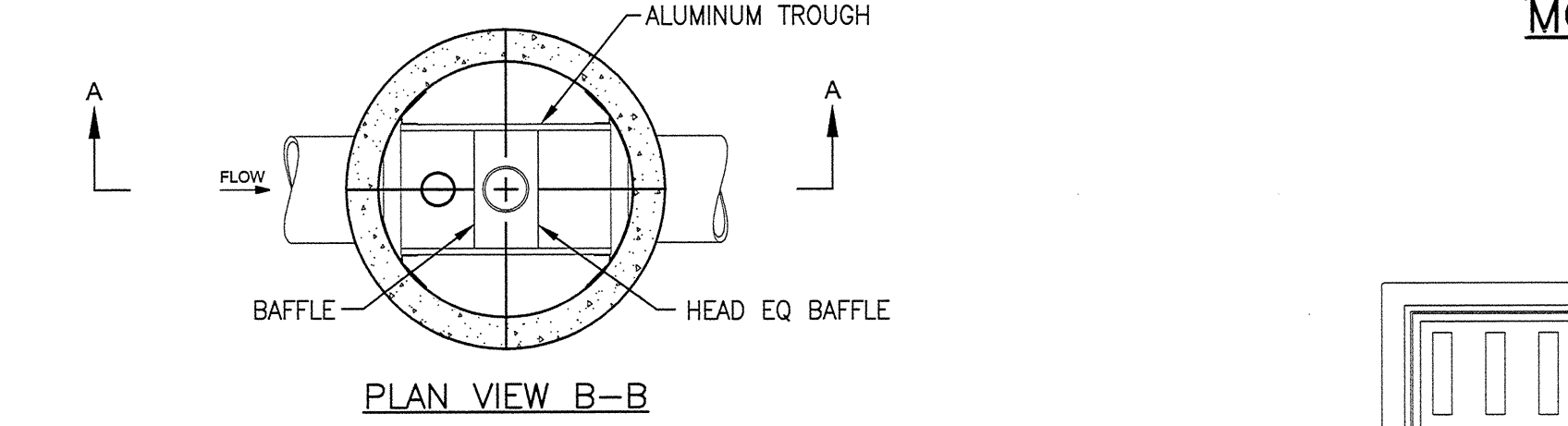
NOTES:
1. ALL CONCRETE SHALL BE CL. B (AE) CONCRETE AND COMPLY WITH SECTION M4.12.00 OF THE STANDARD SPECIFICATIONS.
2. CONCRETE THRUST BLOCKS SHALL BEAR AGAINST UNDISTURBED EARTH. IN AREAS WHERE BEARINGS SOILS HAVE BEEN DISTURBED, RESTRAINED JOINTS SHALL BE USED.
3. ALL FORCE MAIN BENDS, TEES, MAIN TAPS, AND END CAPS SHALL REQUIRE A CONCRETE THRUST BLOCK.

TEES		HORIZONTAL BENDS		VERTICAL BENDS		ANCHORAGES	
PIPE SIZE-D (DIA.)		PIPE SIZE-D (DIA.)		PIPE SIZE-D (DIA.)		PIPE SIZE-D (DIA.)	
BEND	6\"/>						
A	8\"/>						
B	10\"/>						
C	10\"/>						
E	8\"/>						
1/8	Y 1\"/>						
1/16	Y 1\"/>						
1/32	Y 1\"/>						
1/8	L 1\"/>						
1/16	L 7\"/>						
1/32	L 7\"/>						
1/8	R 2\"/>						
1/16	R 2\"/>						
1/32	R 1\"/>						

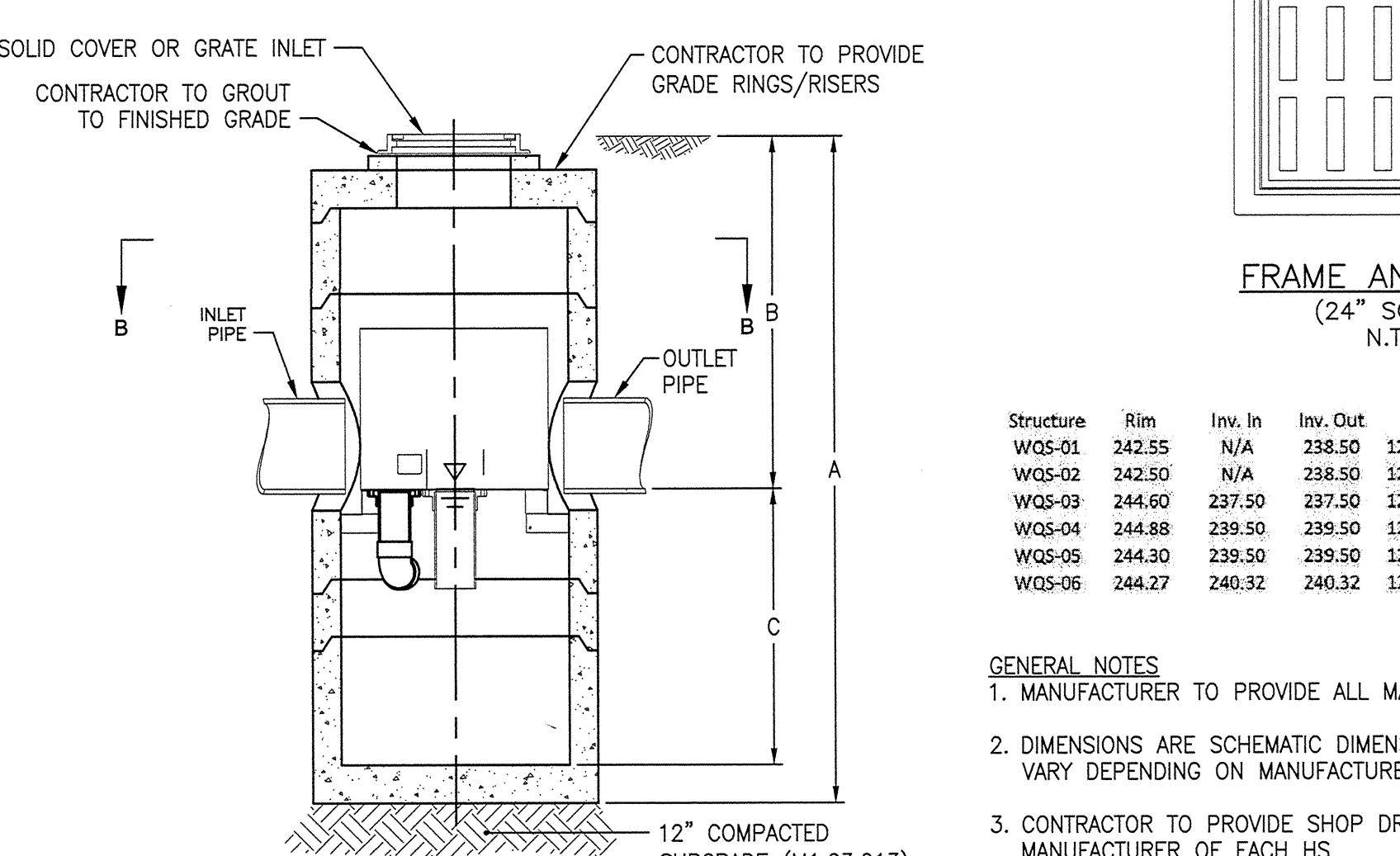
CONCRETE THRUST BLOCKS FOR WATER
NOT TO SCALE

NOTE:
1. WALL UNITS SHALL BE "STANDARD UNIT" BY VERSERA-LOK, "CENTURY WALL" BY KEYSTONE WALLS, "CRETA" BY TECHNIBLOCK, "CONCORD" BY UNILOCK, OR APPROVED EQUIVALENT.
2. COLOR OF ALL WALL UNITS SHALL BE IN THE GRAY RANGE. COLOR SHALL BE CONSISTENT THROUGHOUT WALL AND NOT BE OF DIFFERENT TONES OR SHADES AND ALL BLOCKS SHALL BE CREATED ON THE SAME DATE OR FROM SAME MIX.
3. THESE DETAILS ARE FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS COMPLETED AND STAMPED BY A MASSACHUSETTS REGISTERED STRUCTURAL ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION. SHOP DRAWINGS SHALL INCLUDE ALL DETAILS AND INFORMATION NECESSARY FOR CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE THE STRUCTURAL ENGINEER ALL APPROPRIATE INFORMATION FOR THEIR DESIGN AND CALCULATIONS.

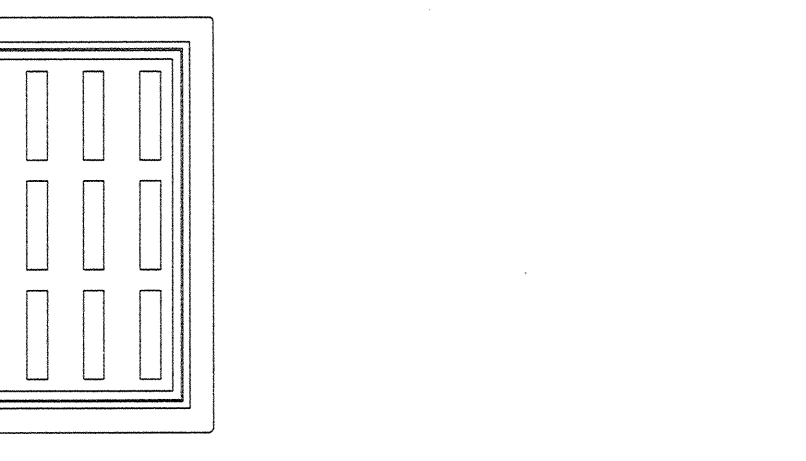
MODULAR BLOCK RETAINING WALL DETAILS
NOT TO SCALE



PLAN VIEW B-B



SECTION A-A

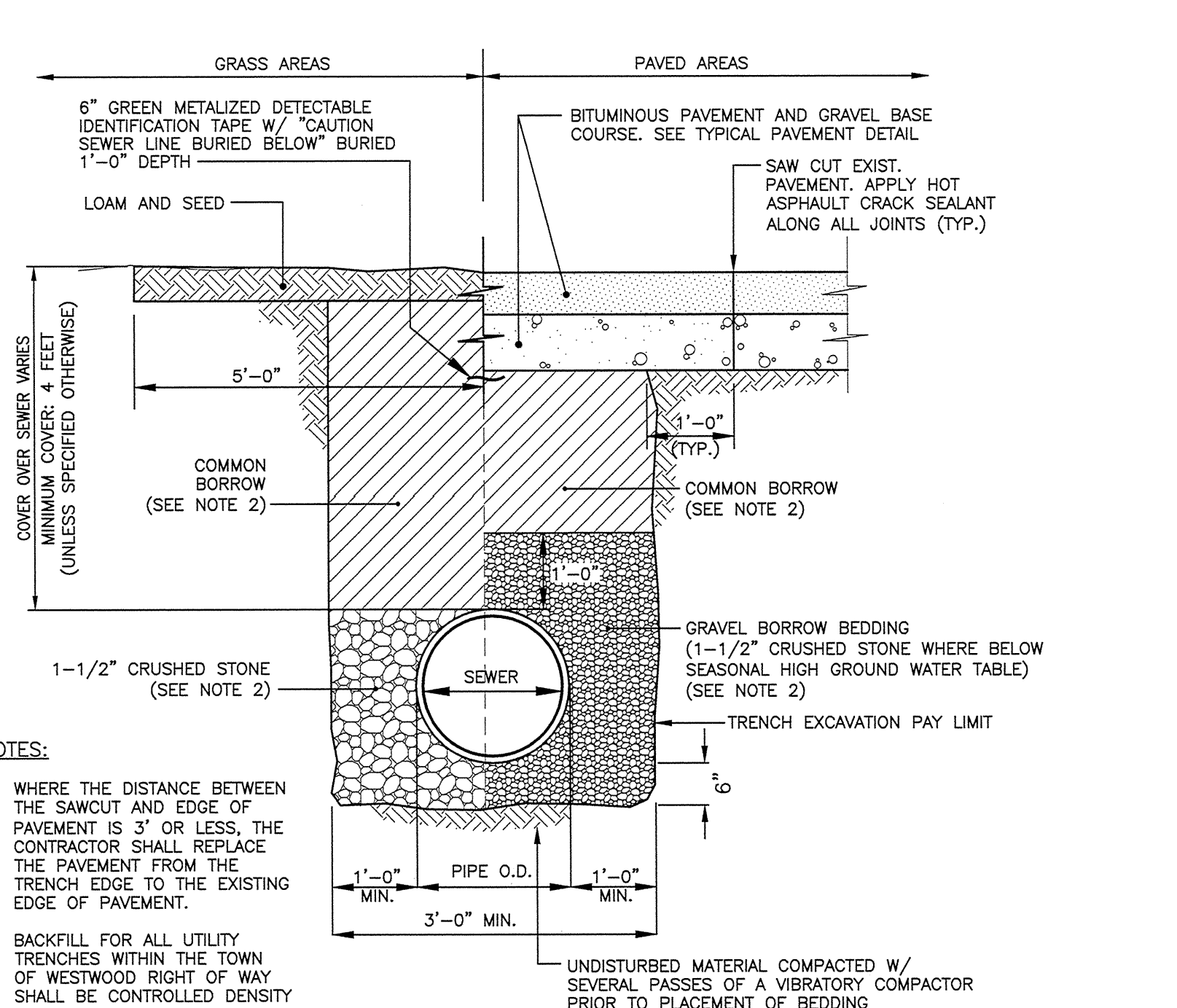


FRAME AND GRATE
(24\"/>

Structure	Rim	Inn. In	Inn. Out	Pipe	25-yr flow (cfs)	WQF (cfs)	WQV (cfs)
WQ5-01	242.55	N/A	238.50	12\"/>			
WQ5-02	242.50	N/A	238.50	12\"/>			
WQ5-03	244.60	237.50	237.50	12\"/>			
WQ5-04	244.88	239.50	239.50	12\"/>			
WQ5-05	244.30	239.50	239.50	12\"/>			
WQ5-06	244.27	240.32	240.32	12\"/>			

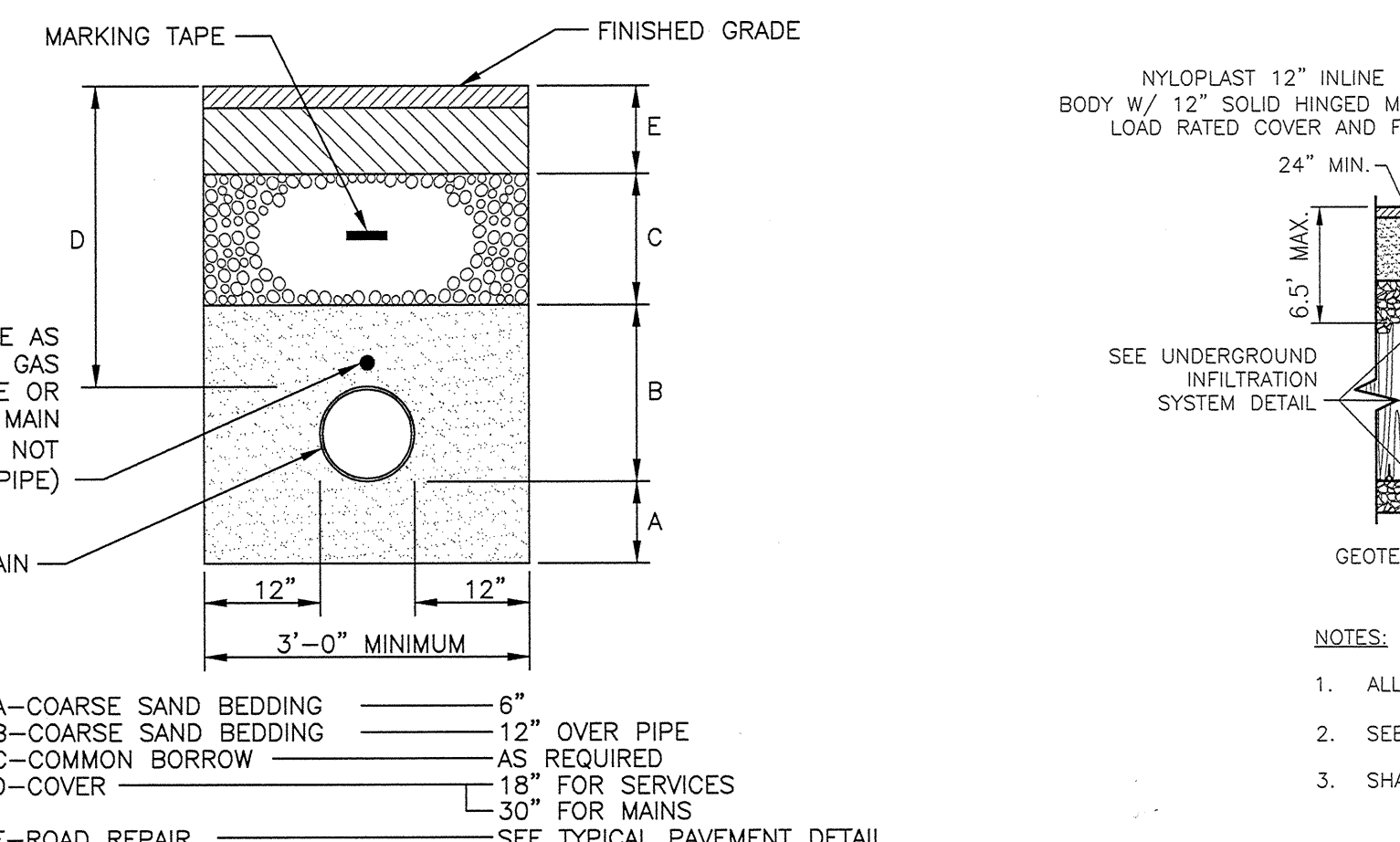
GENERAL NOTES
1. MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. DIMENSIONS ARE SCHEMATIC DIMENSIONS. ACTUAL DIMENSIONS MAY VARY DEPENDING ON MANUFACTURER, DESIGN, AND STRUCTURE.
3. CONTRACTOR TO PROVIDE SHOP DRAWING AND CALCULATIONS FROM MANUFACTURER OF EACH HS
4. WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL CODES, LAWS, AND REGULATIONS OF MASSDEP, TOWN OF WESTWOOD, AND ALL OTHER GOVERNING AGENCIES.
5. STRUCTURE AND CASTINGS SHALL MEET AASHTO HS20 LOAD RATING.
6. SEE TABLE FOR SIZING AND BASIS OF DESIGN DATA.

WQ5-X WATER QUALITY STRUCTURE DETAIL
NOT TO SCALE



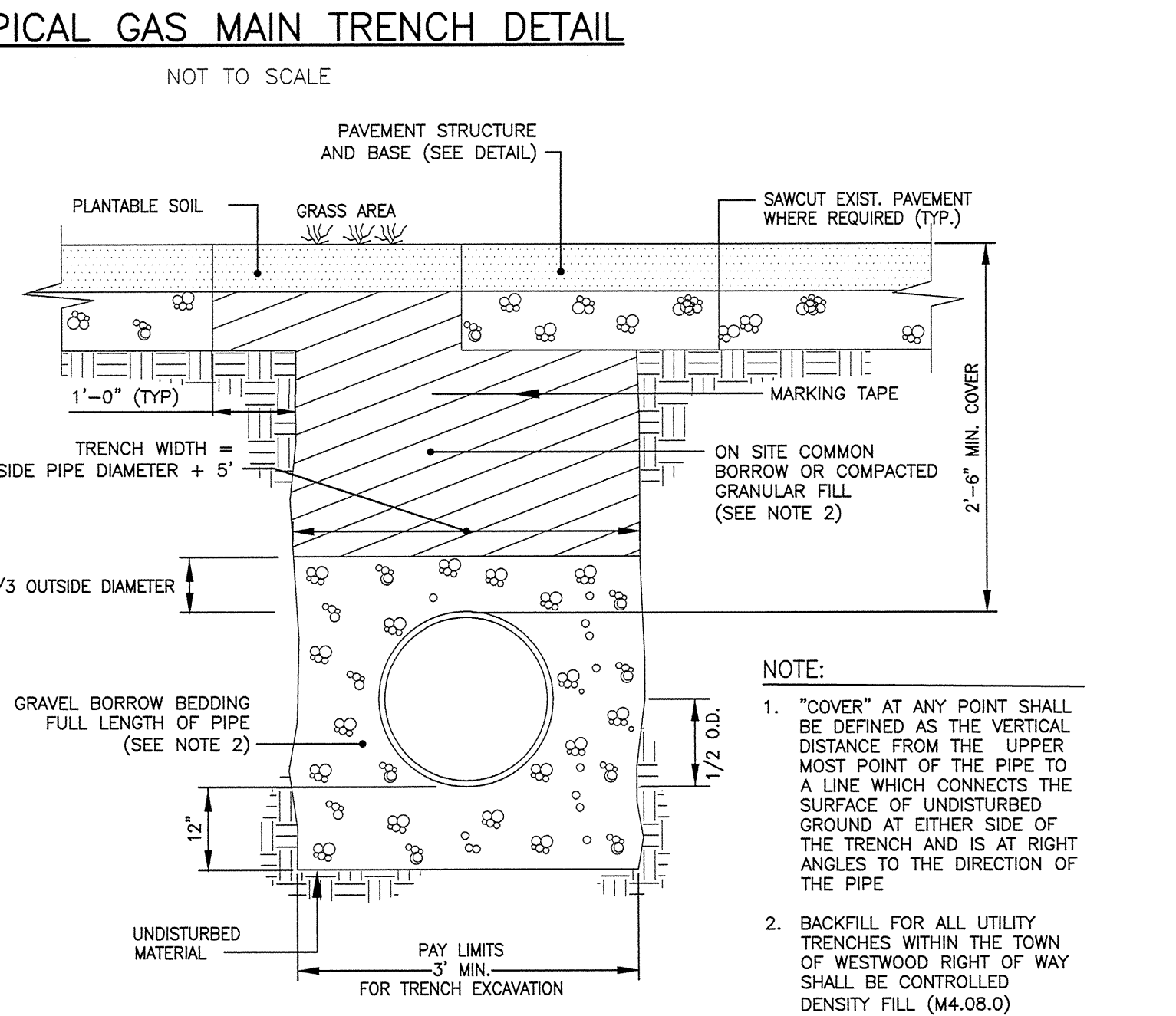
SEWER TRENCH DETAIL
NOT TO SCALE

NOTES:
1. WHERE THE DISTANCE BETWEEN THE SAWCUT AND EDGE OF PAVEMENT IS 3\"/>



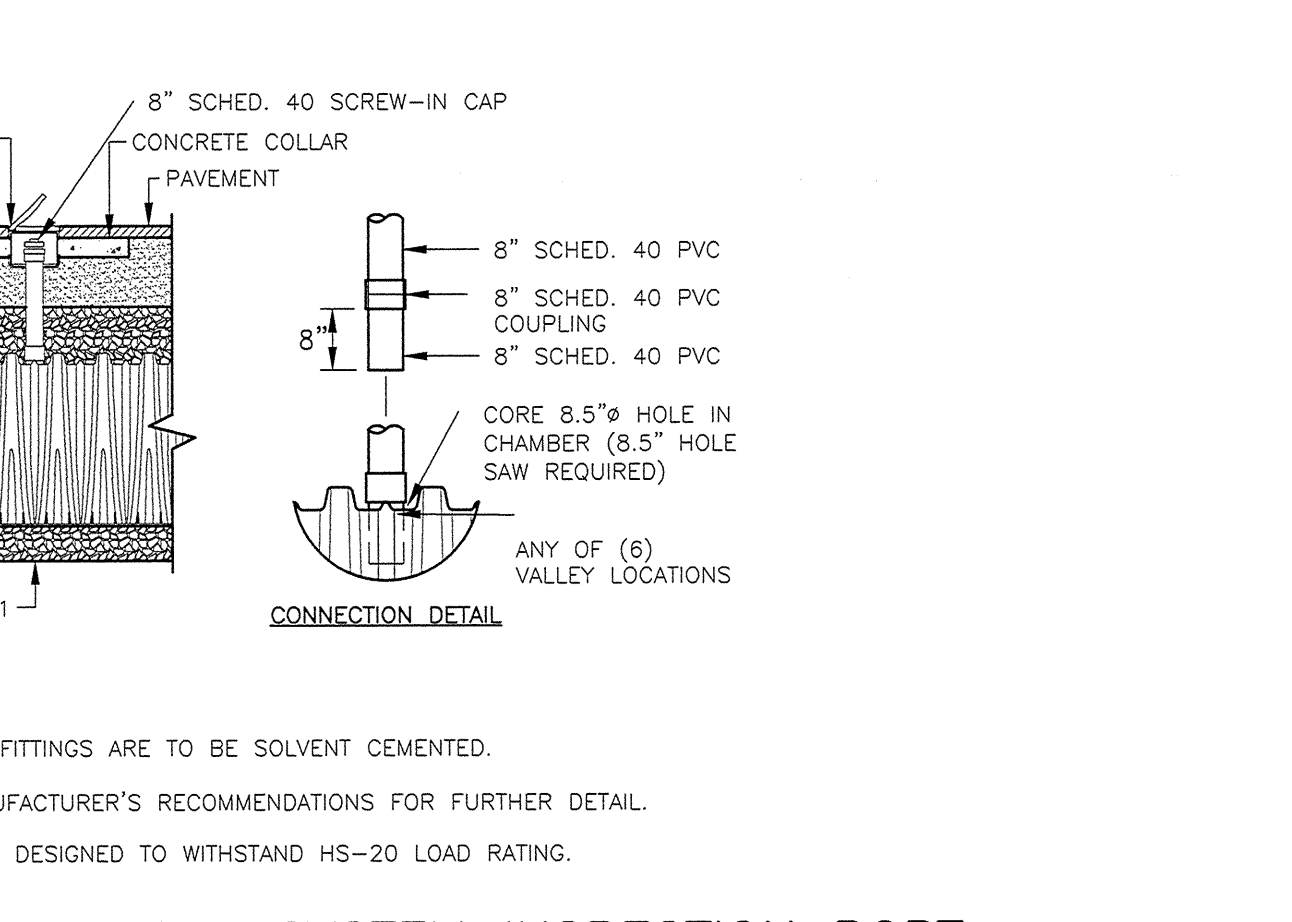
TYPICAL GAS MAIN TRENCH DETAIL
NOT TO SCALE

NOTE:
1. THIS DETAIL REPRESENTS A TYPICAL GAS TRENCH DETAIL. FINAL TRENCH MATERIALS AND DIMENSIONS SHALL BE COORDINATED WITH THE GAS COMPANY.
2. ALL LATERAL TRENCHES WITHIN THE RIGHT-OF-WAY OF PUBLIC WAYS, SHALL BE BACKFILLED WITH FLOWABLE FILL UP TO 4 INCHES BELOW BOTTOM OF PAVEMENT.



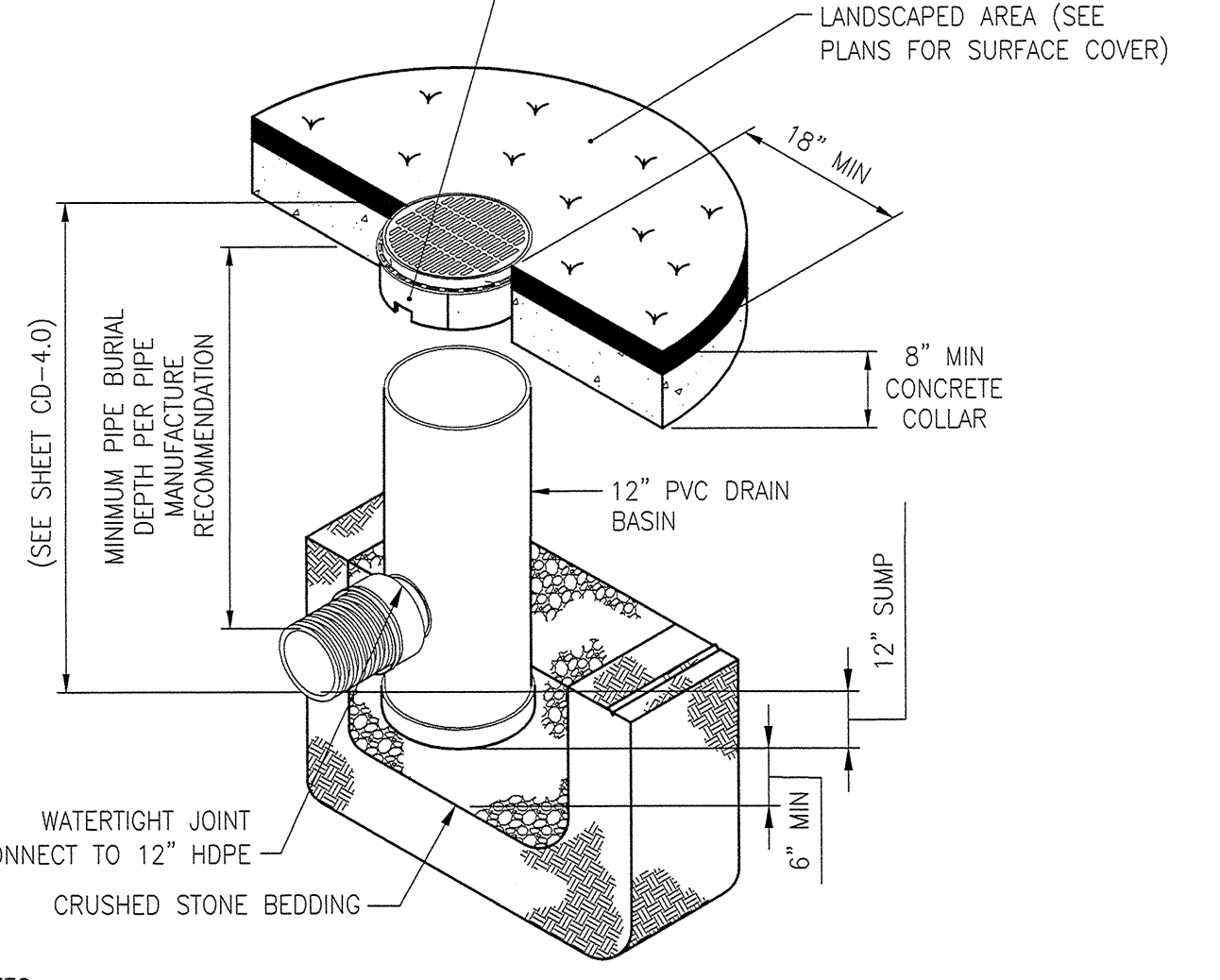
TYPICAL TRENCH FOR DRAINAGE INSTALLATION
NOT TO SCALE

NOTE:
1. "COVER" AT ANY POINT SHALL BE DEFINED AS THE VERTICAL DISTANCE FROM THE UPPER MOST POINT OF THE PIPE TO A LINE WHICH CONNECTS THE SURFACE OF UNDISTURBED GROUND AT EITHER SIDE OF THE TRENCH AND IS AT RIGHT ANGLES TO THE DIRECTION OF THE PIPE.
2. BACKFILL FOR ALL UTILITY TRENCHES WITHIN THE TOWN OF WESTWOOD RIGHT OF WAY SHALL BE CONTROLLED DENSITY FILL (M4.08.0)



UNDERGROUND INFILTRATION SYSTEM INSPECTION PORT
NOT TO SCALE

NOTE:
1. ALL PVC FITTINGS ARE TO BE SOLVENT CEMENTED.
2. SEE MANUFACTURER'S RECOMMENDATIONS FOR FURTHER DETAIL.
3. SHALL BE DESIGNED TO WITHSTAND HS-20 LOAD RATING.



AREA DRAIN DETAIL
NOT TO SCALE

NOTES:
1. GRATES COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05 AND ADA COMPLIANT IN LANDSCAPED AREAS.
2. FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
3. FRAMES SHALL BE SET FLUSH WITH FINISHED SURFACE AND FULLY ENCASED WITH CONCRETE COLLAR.
4. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE.
5. BASIN SHALL BE PERFORATED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

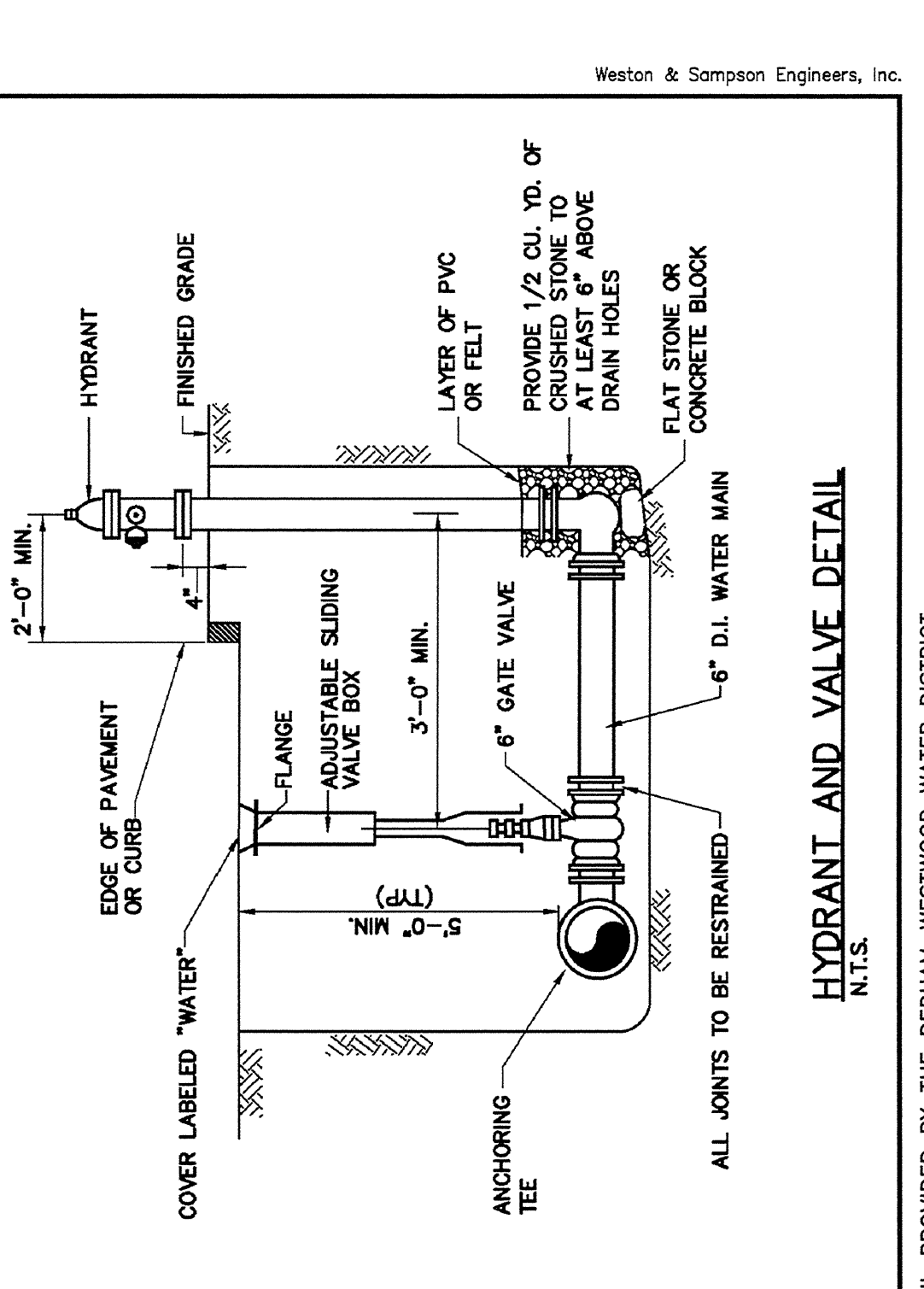
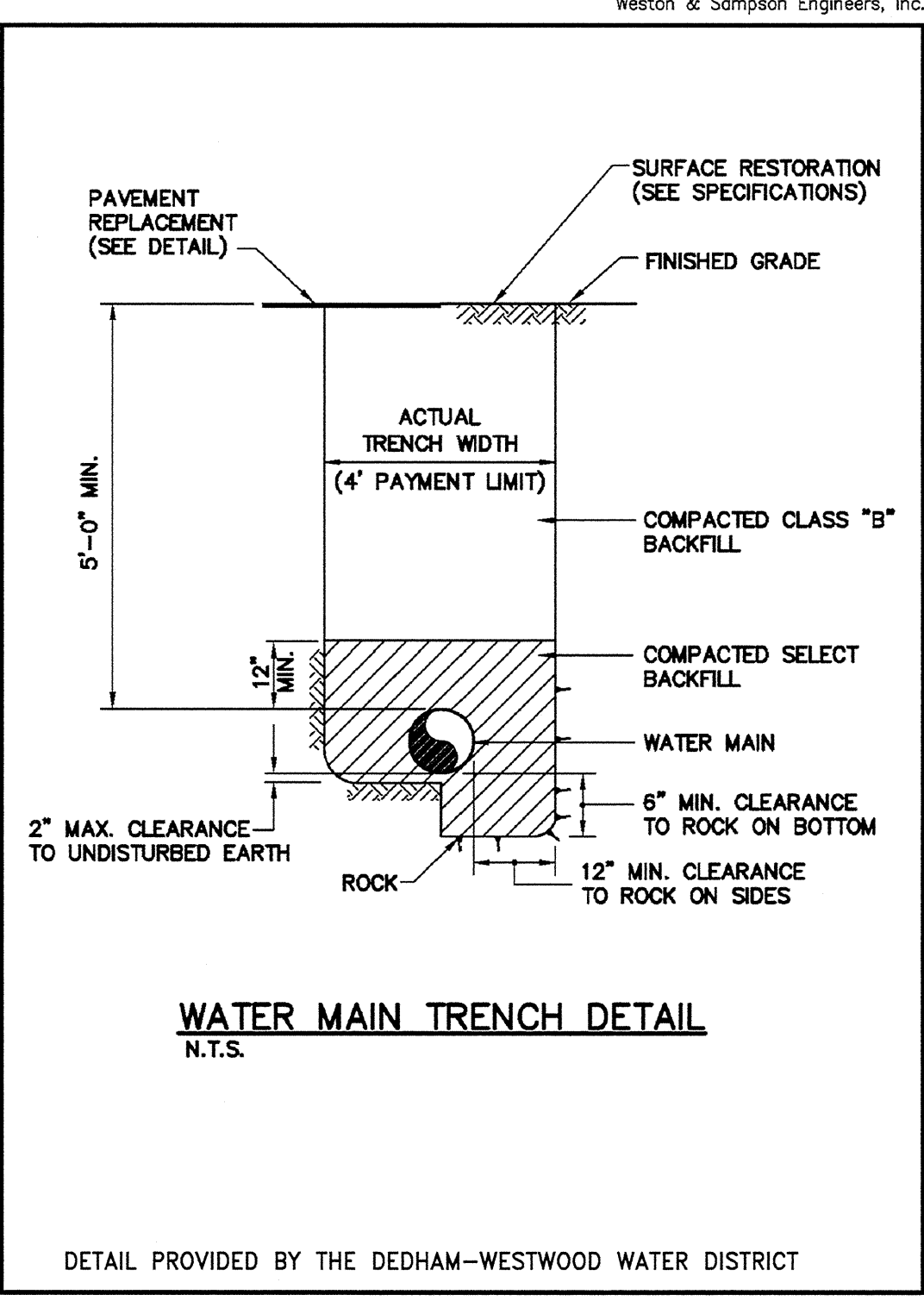
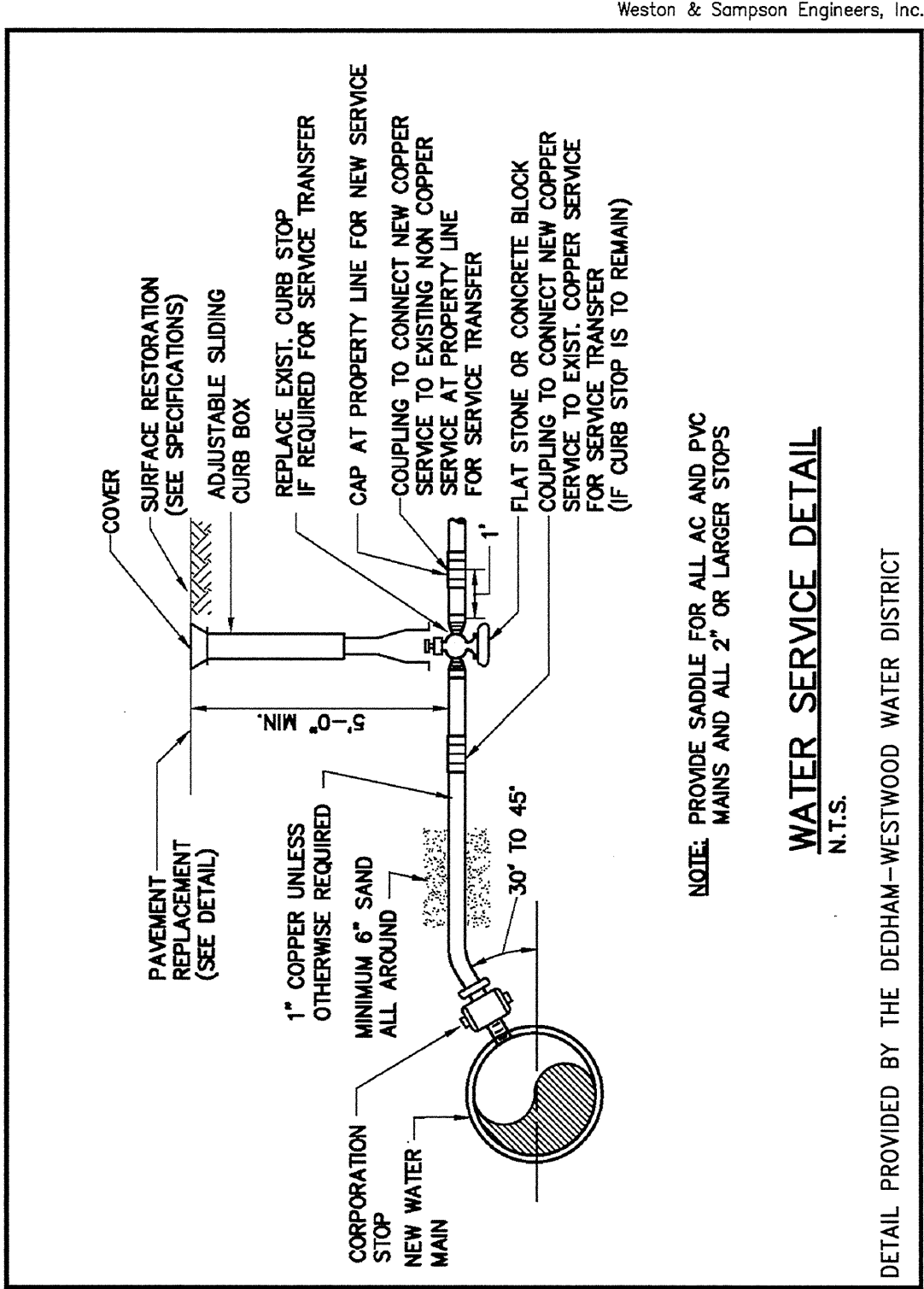
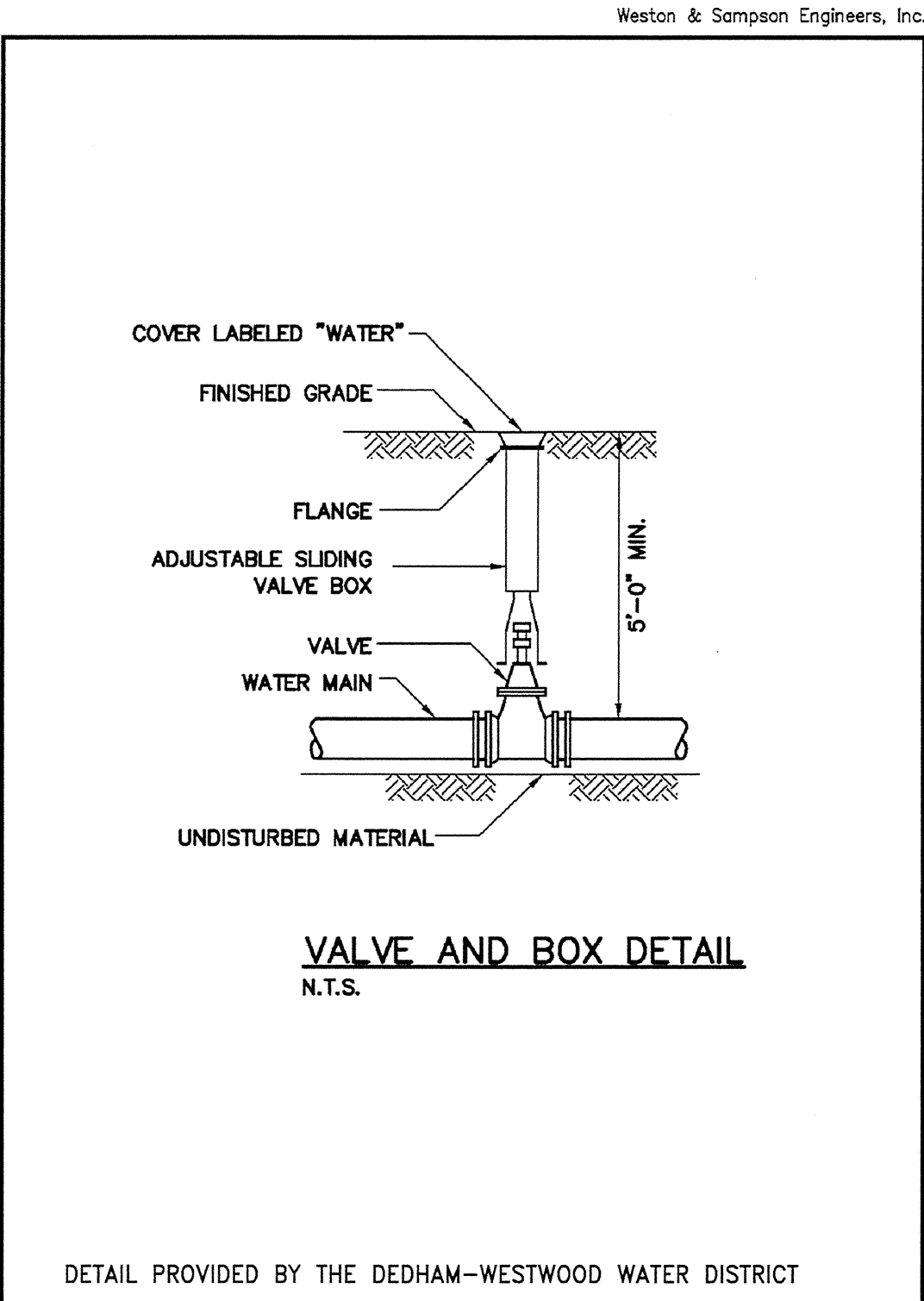
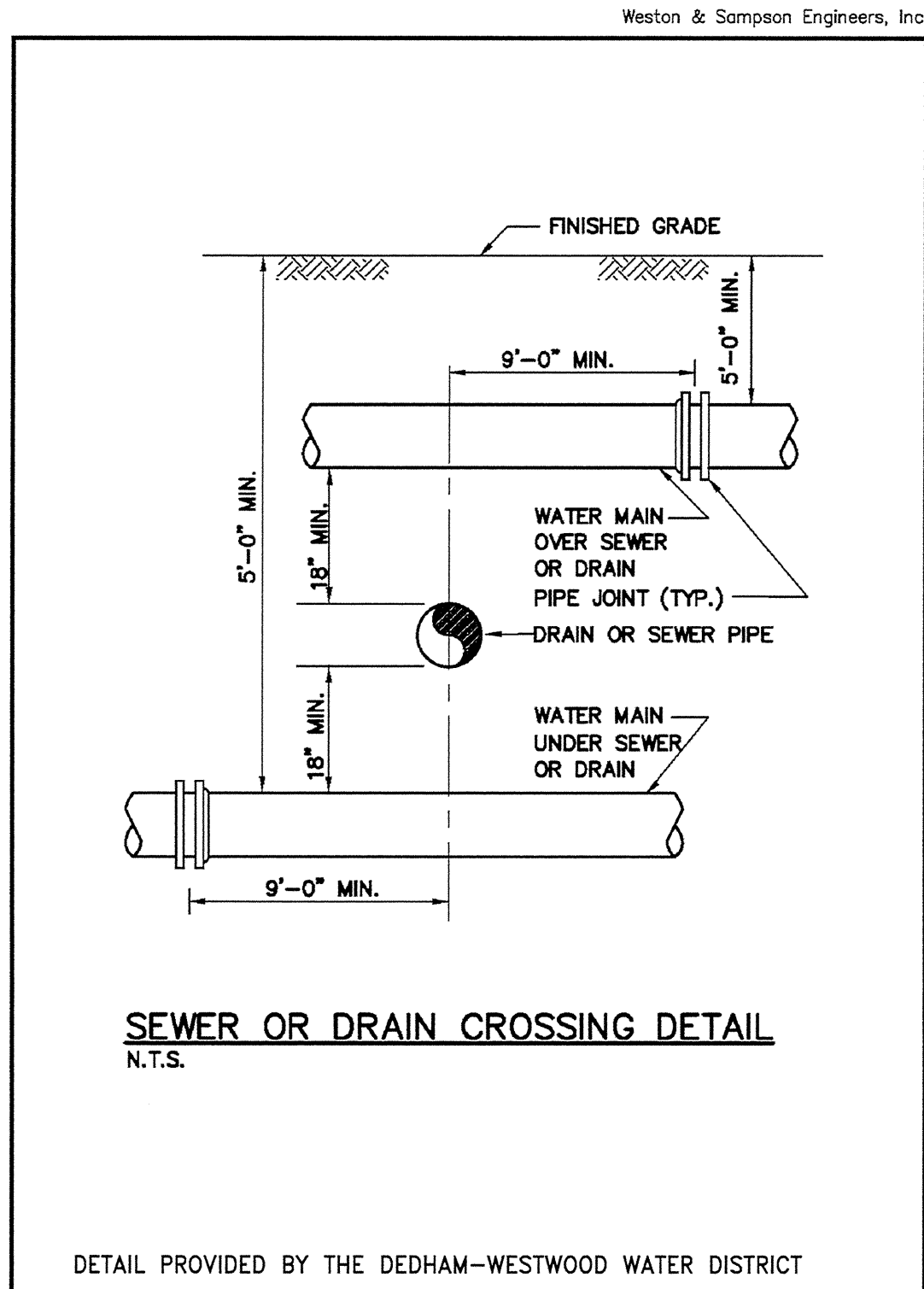
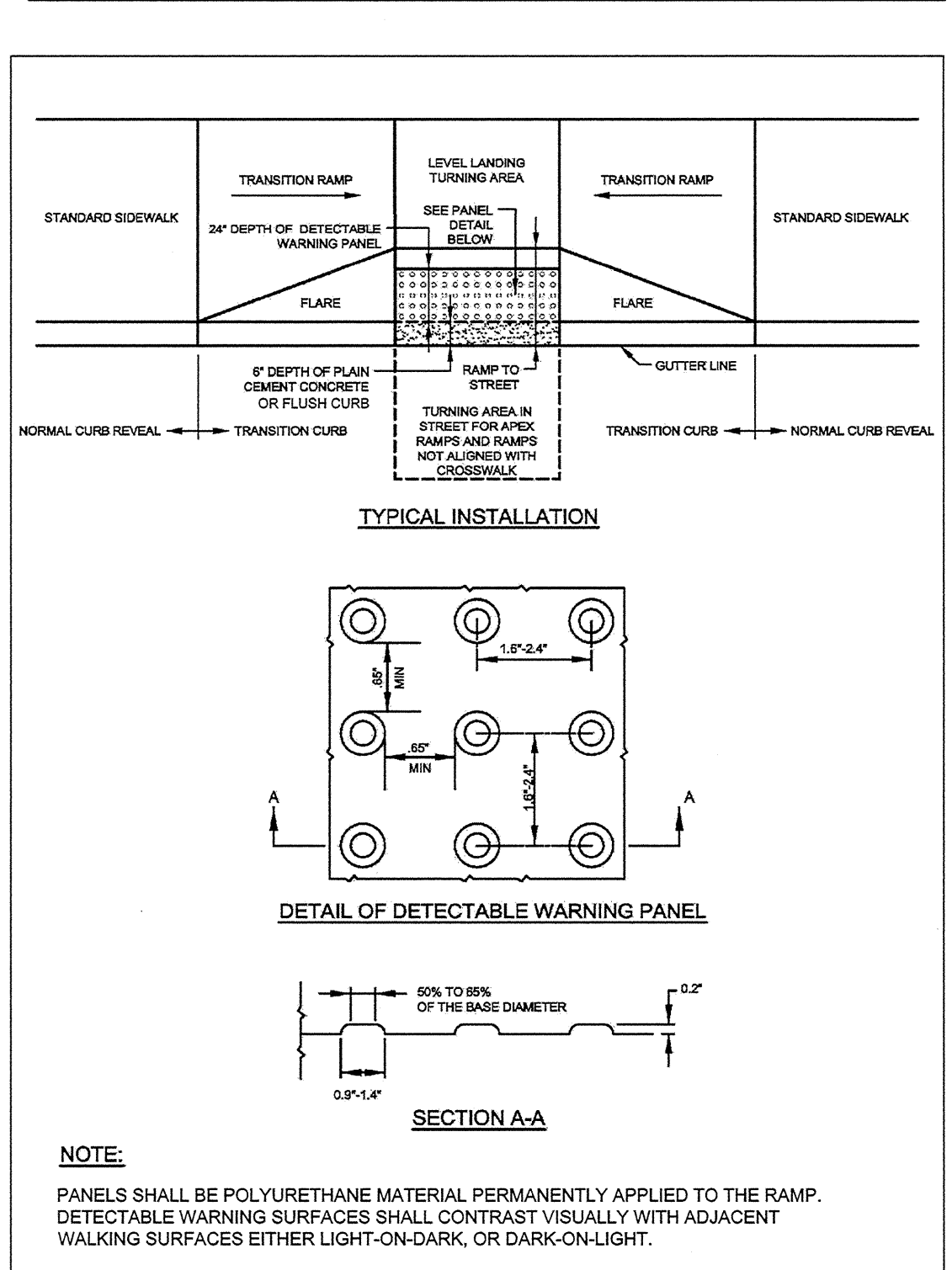
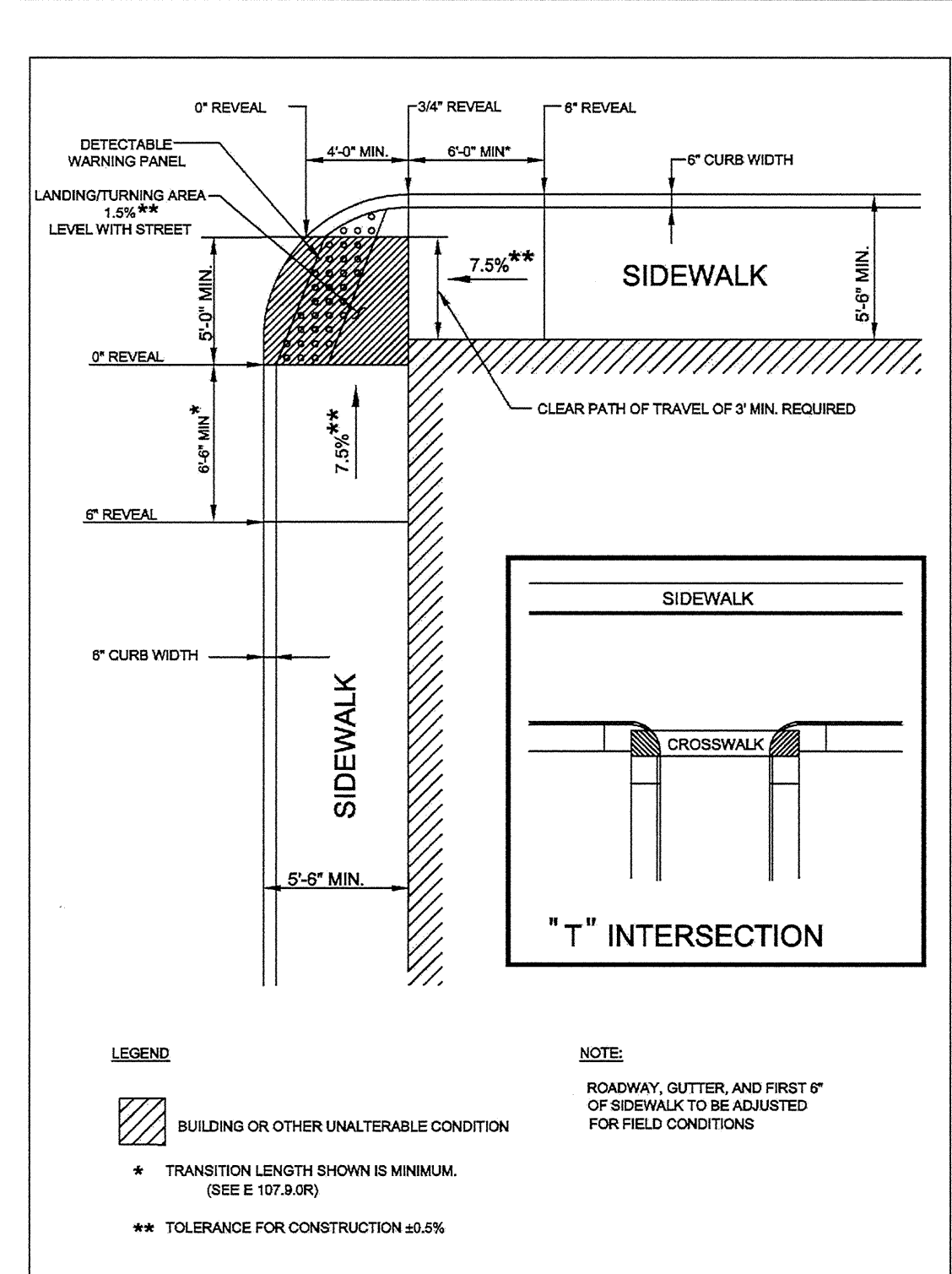
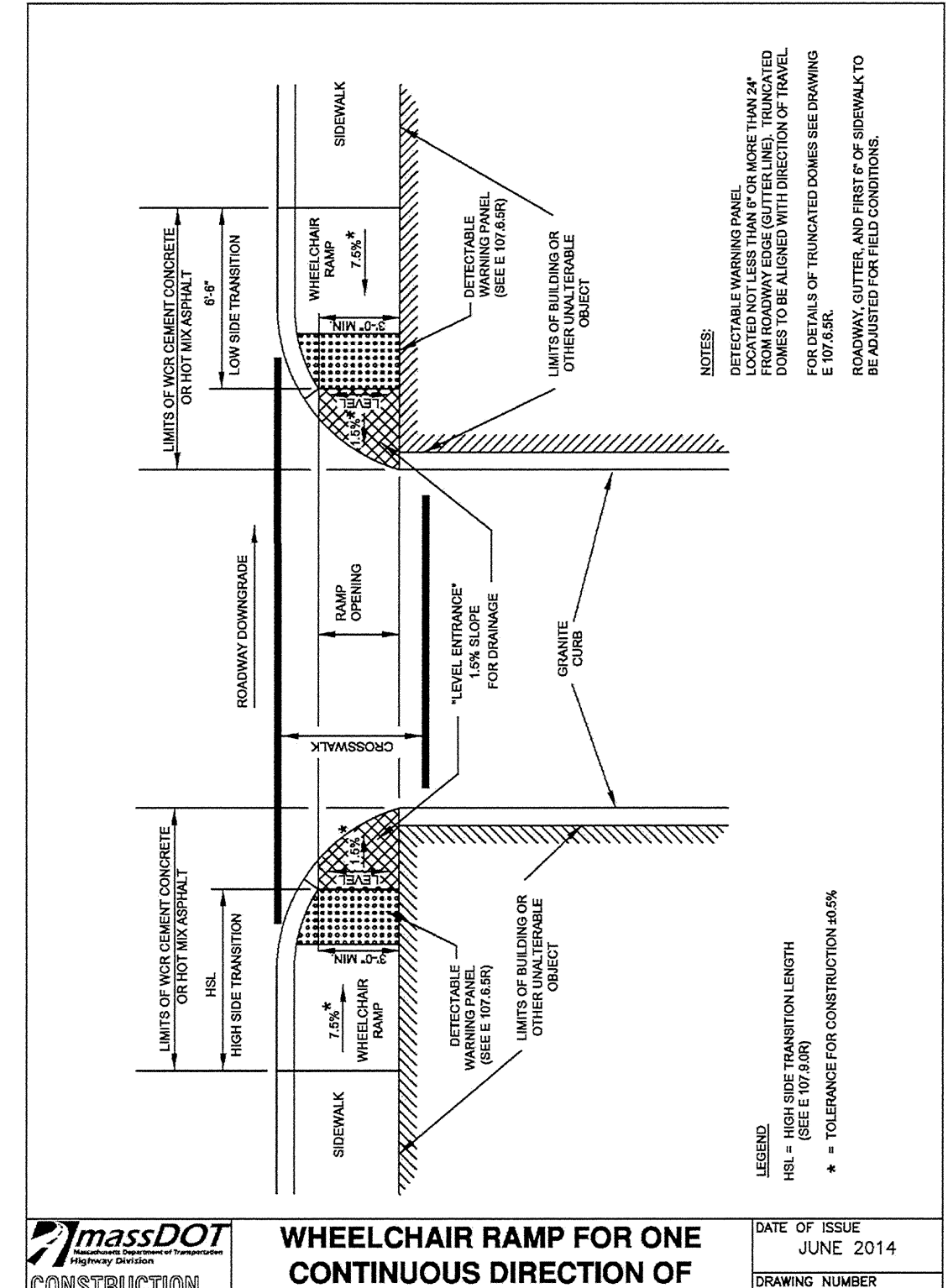
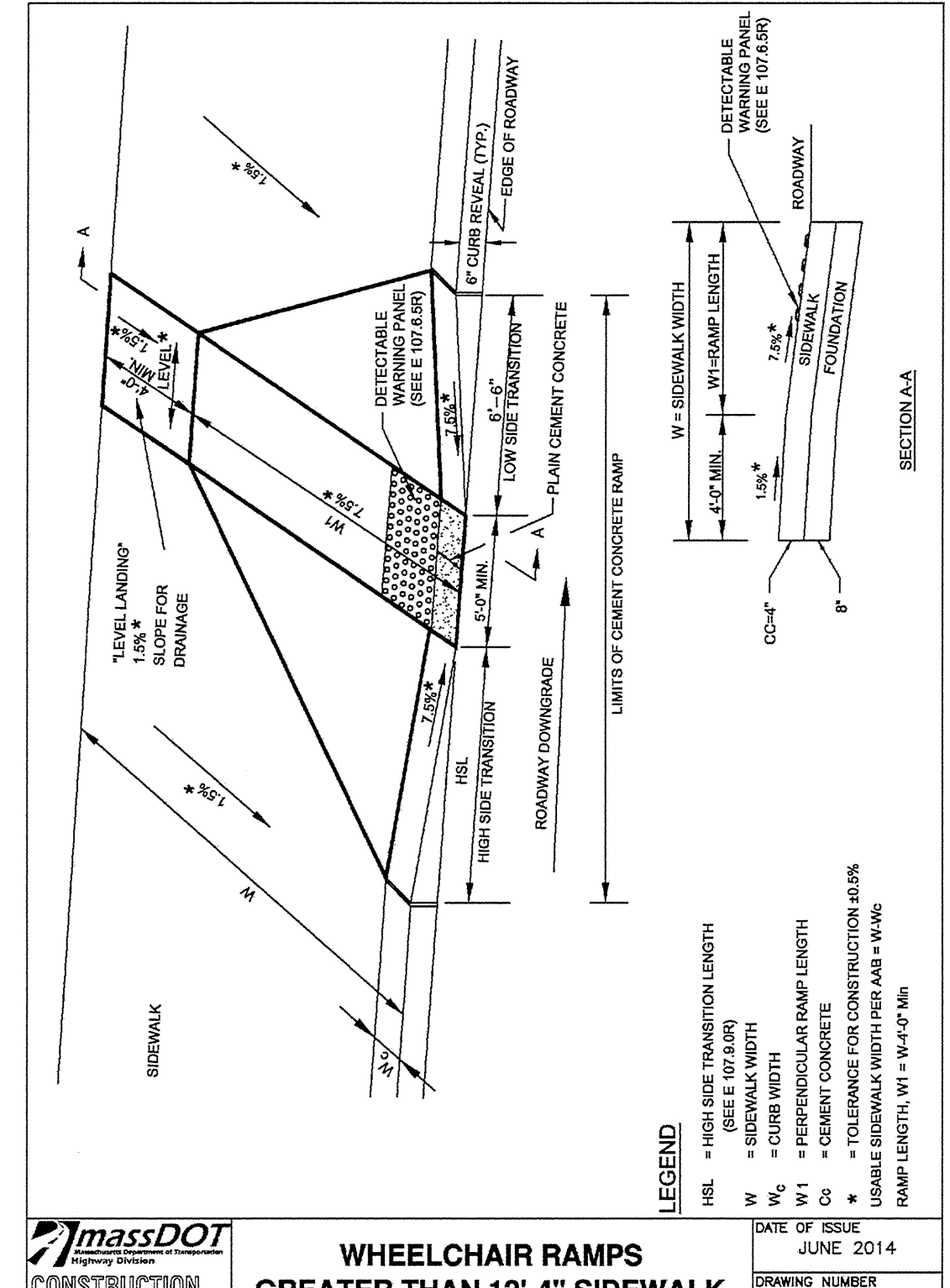
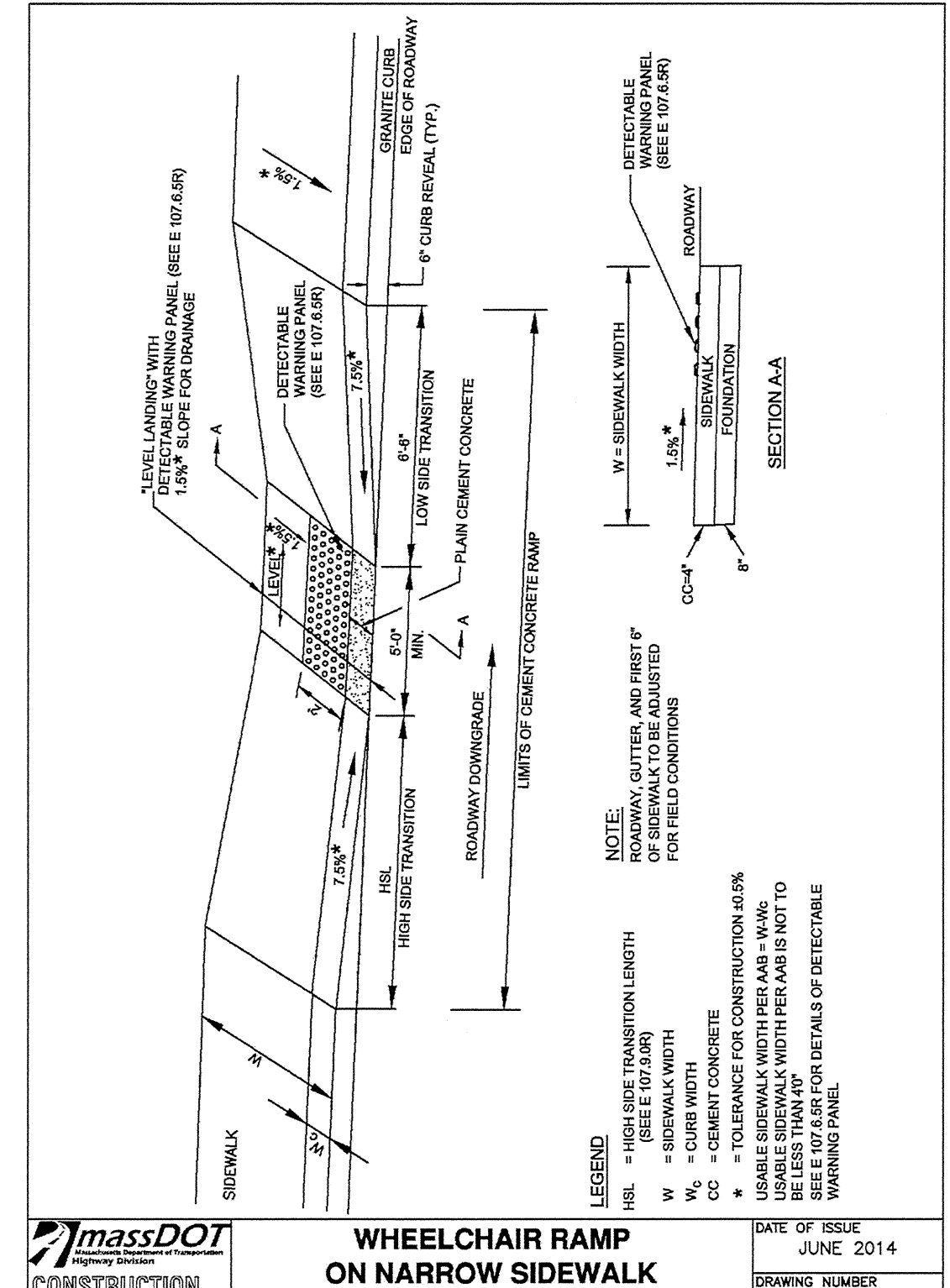
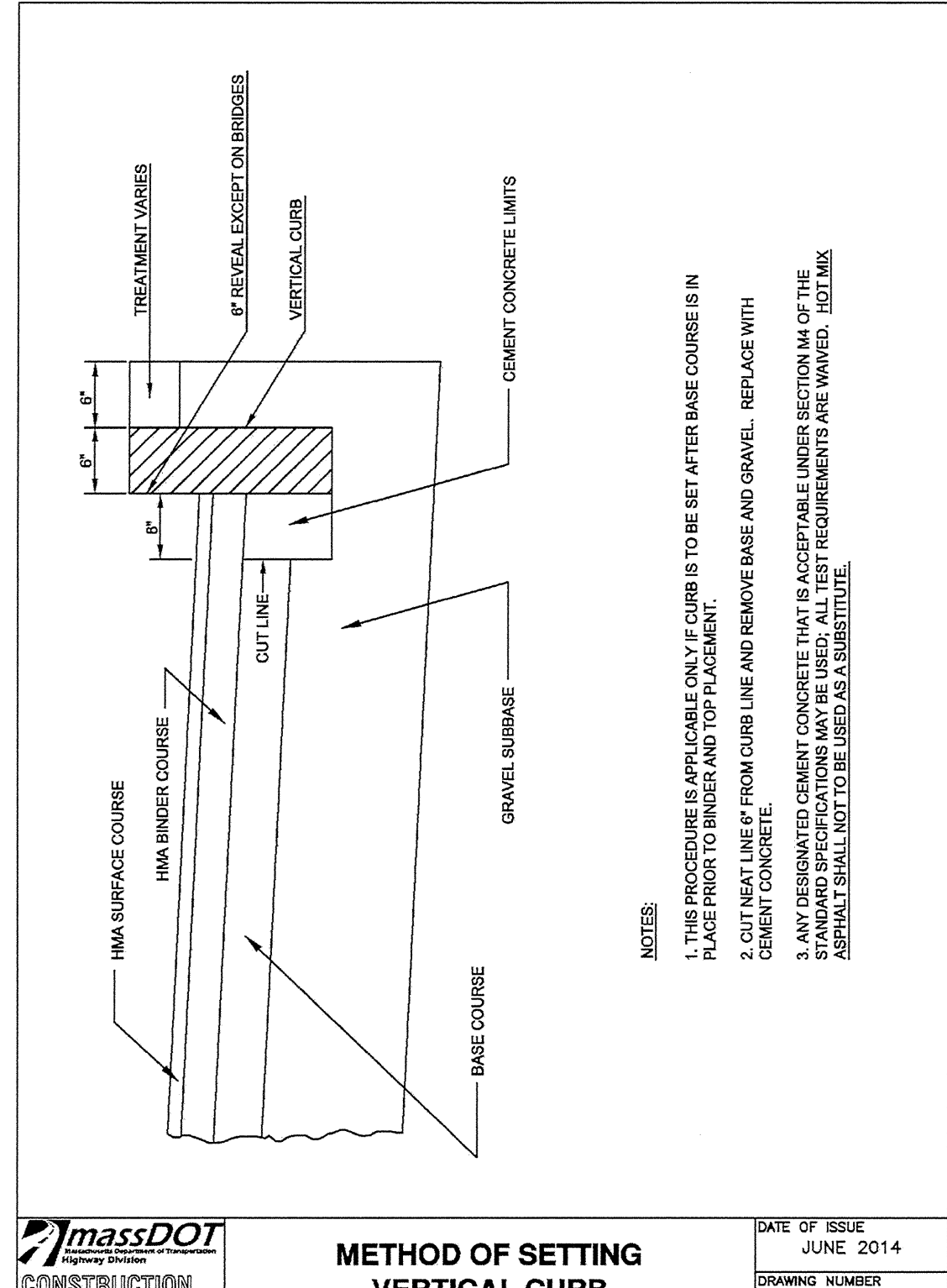


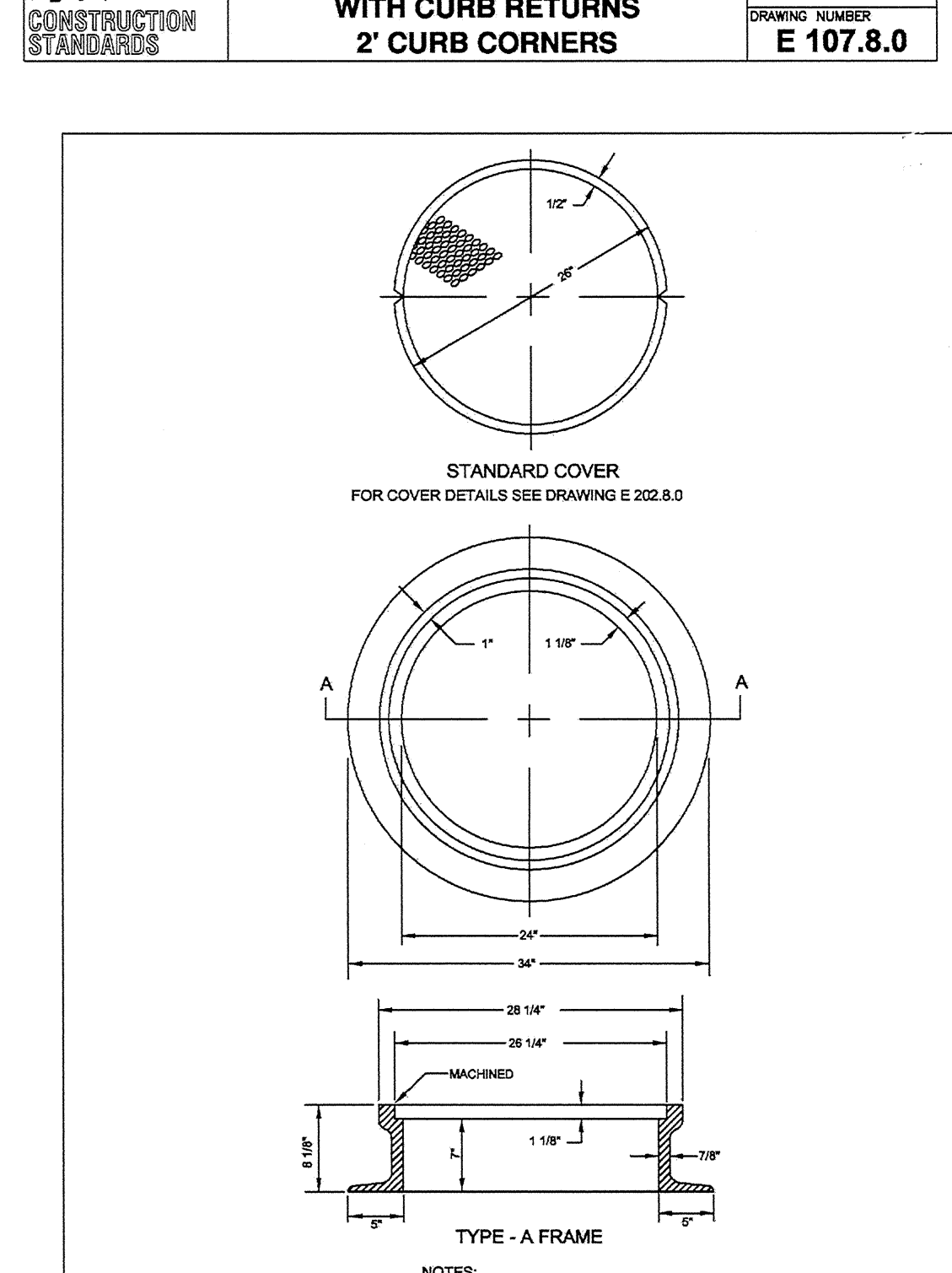
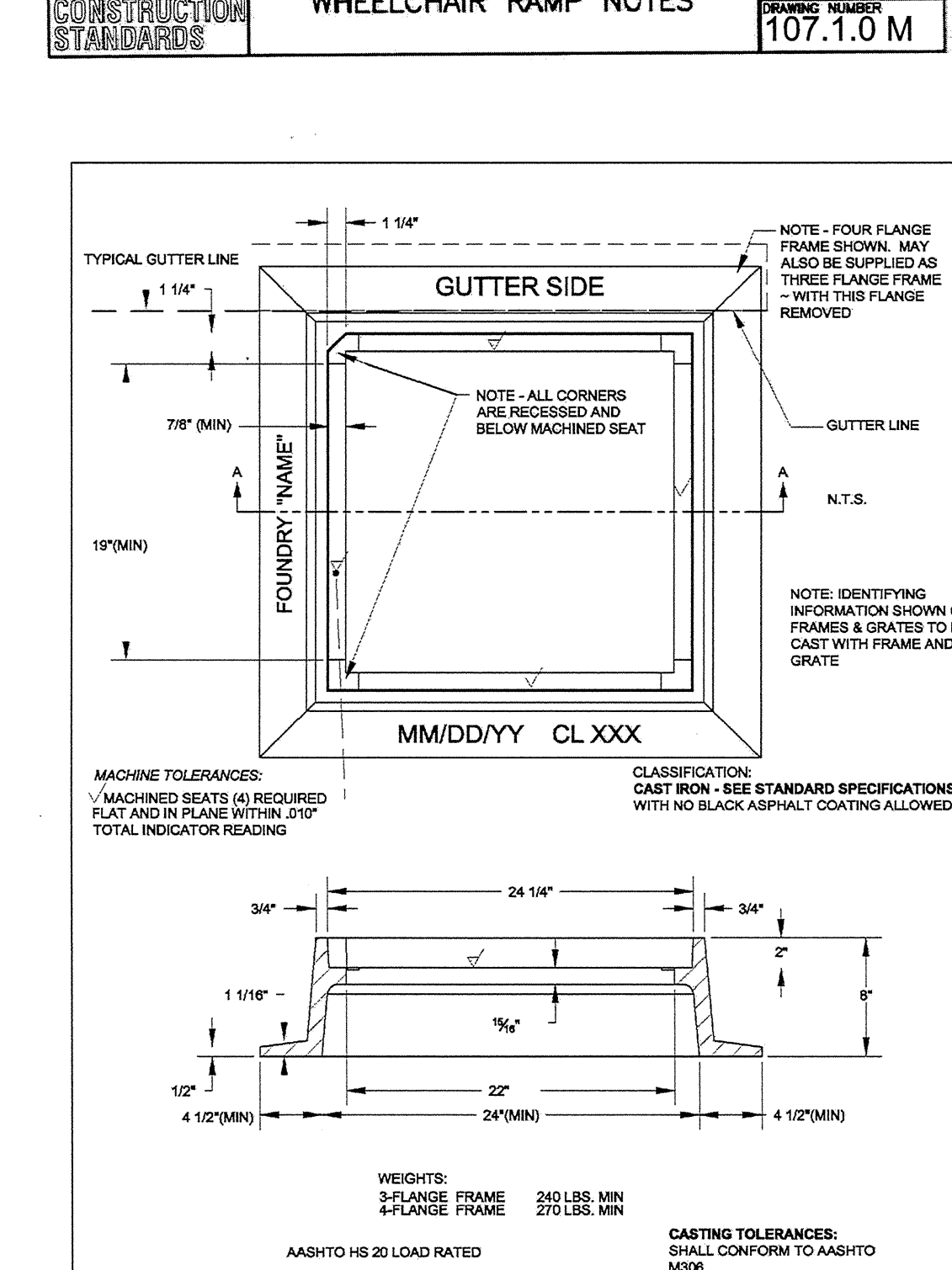
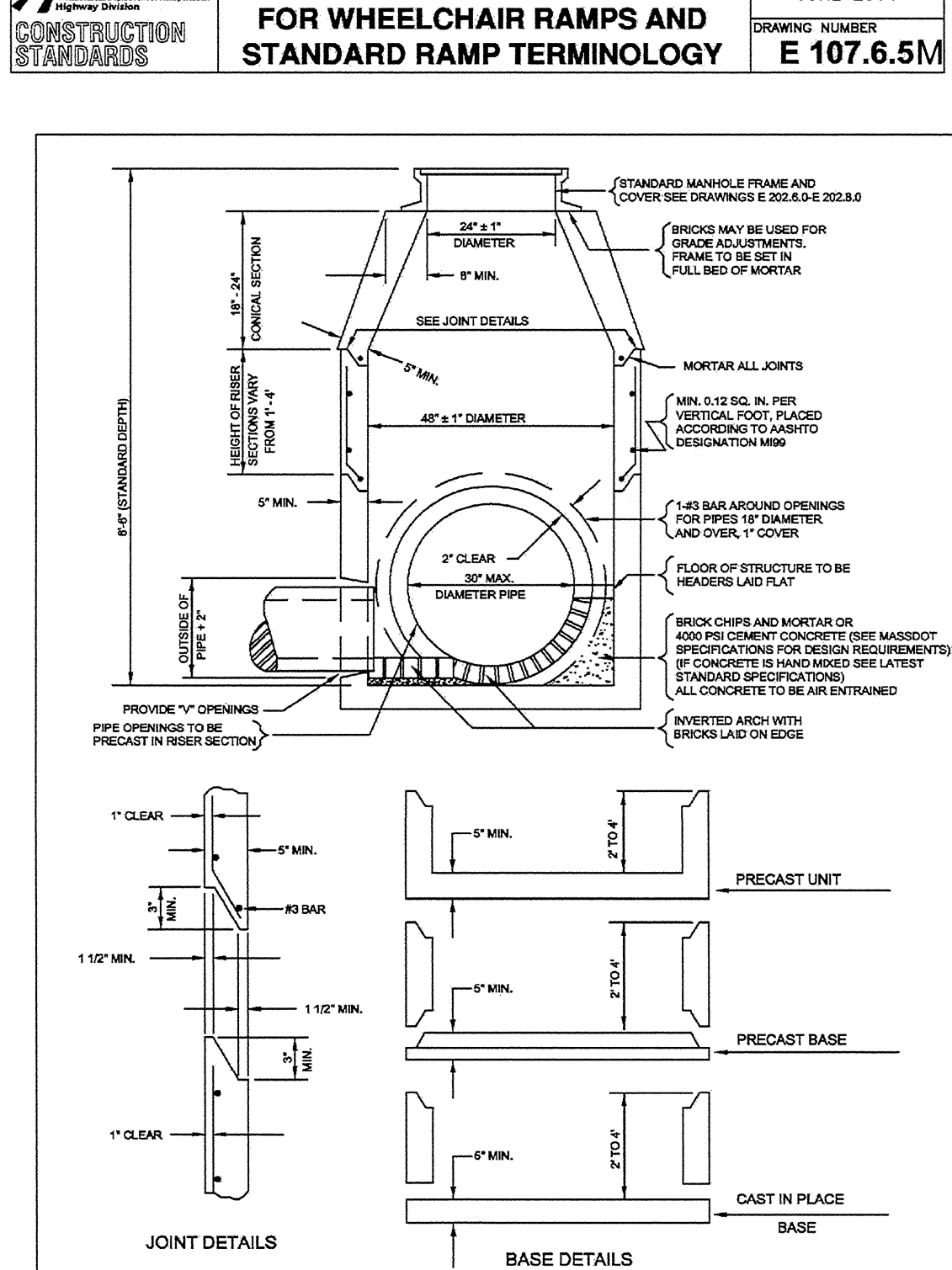
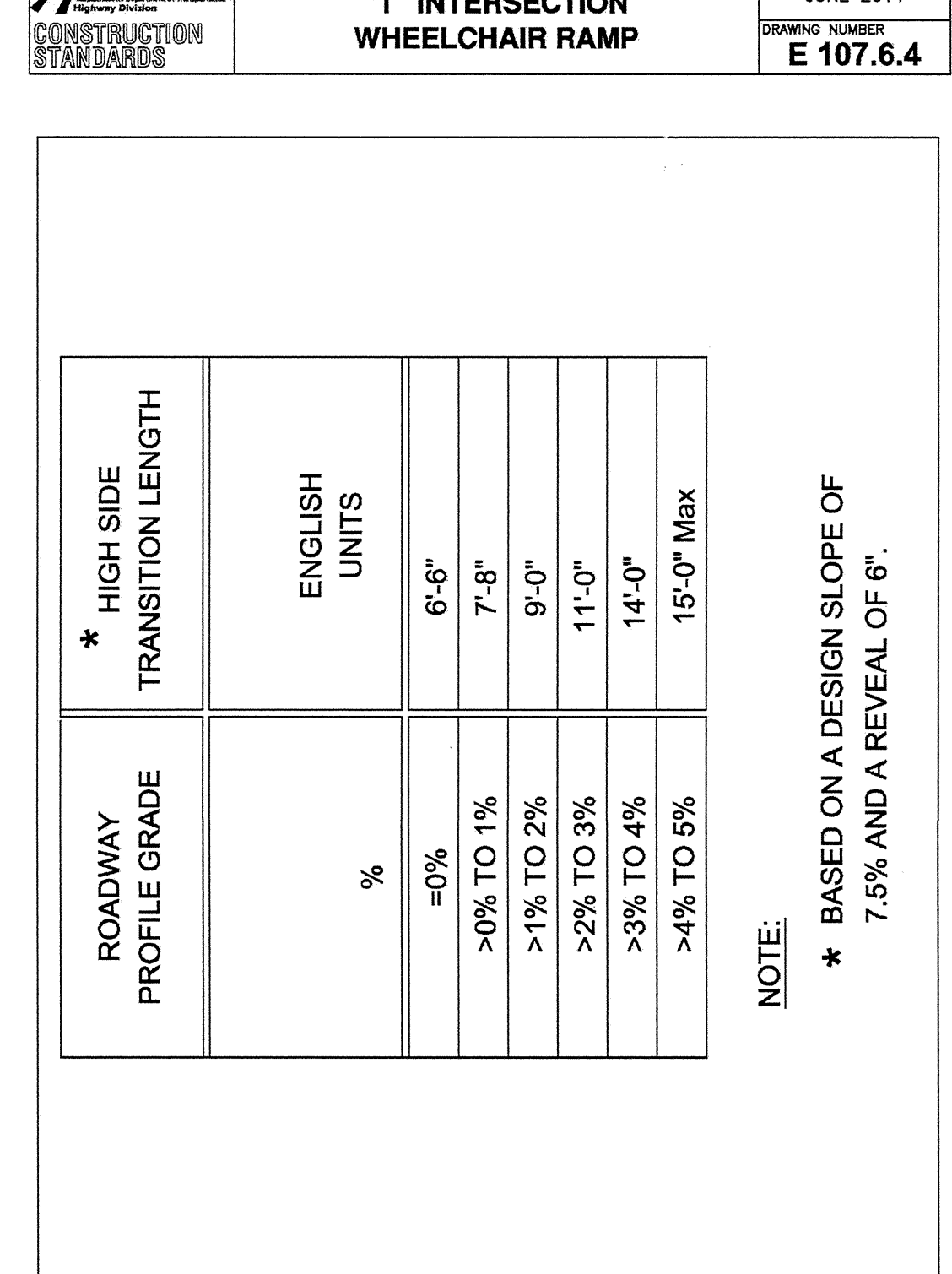
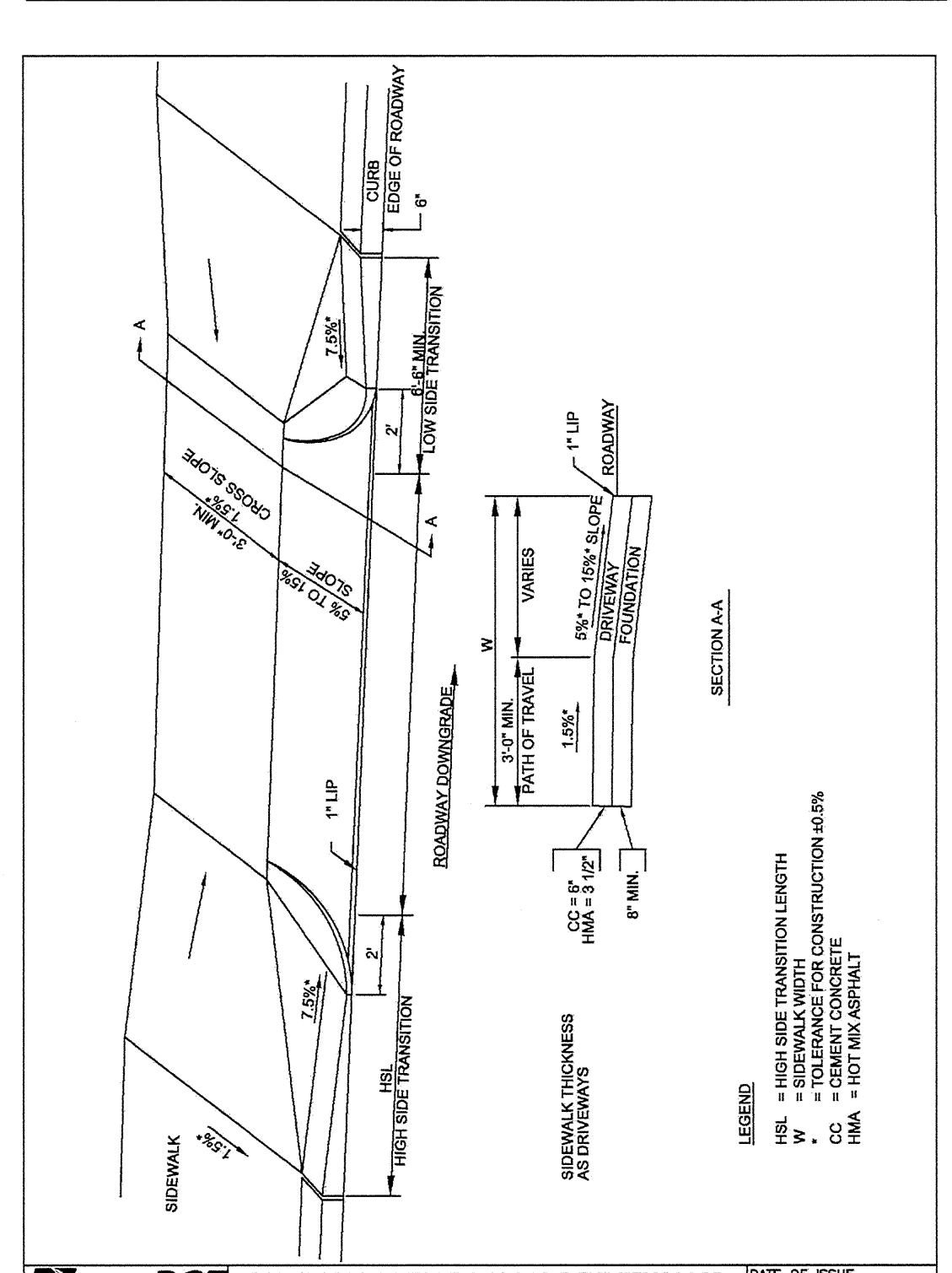
TABLE 1
REQUIRED LENGTH OF RESTRAINED JOINTS FROM FITTINGS (FEET)

PIPE SIZE	4\"/>					
6"	25 (20.5)	10.5 (12.5)	5 (6)	2.5 (3)	45 (64)	34 (51)
8"	33 (40)	13.5 (16.5)	6.5 (8)	3 (4)	55 (80)	47 (70)
10"	40 (48.5)	16.5 (20)	8 (9.5)	4 (5)	67 (100)	58 (87)
12"	47 (56.5)	19.5 (23.5)	9.5 (11.5)	4.5 (5.5)	79 (118)	70 (109)
16"	59.5 (72)	24.5 (30)	12 (14.5)	6 (7)	101 (152)	92 (139)
20"	72 (86.5)	30 (36)	14.5 (17)	7 (8.5)	123 (184)	114 (171)
24"	84 (100)	35 (41)	16.5 (20)	8 (10)	144 (216)	134 (202)
30"	100 (120)	41 (50)	20 (24)	10 (12)	174 (261)	165 (247)

NOTES:
1. THE MANUFACTURER'S LISTED IN-PASSENGER USE PIPE IS TO BE USED IN ALL CEMENTED JOINTS.
2. THE CONTRACTOR SHALL USE THIS TABLE IN CONJUNCTION WITH THE APPROPRIATE PIPE SPECIFICATION SECTION.
3. TABLE BASED ON 150 PSI TEST PRESSURE.



- WHEELCHAIR RAMP NOTES**
- ROADWAY SIDEWALK CROSS SLOPES FOR BRICK, CEMENT CONCRETE, AND BITUMINOUS CONCRETE, AS INDICATED IN THE STANDARD SPECIFICATIONS, WILL BE 1.5%. A CONSTRUCTION TOLERANCE OF ±0.5% IS ACCEPTABLE ON ROADWAY SIDEWALKS. SIDEWALKS ON BRIDGES WILL BE CONSTRUCTED TO A CROSS SLOPE OF 1.0% IN ACCORD WITH BRIDGE POLICY. (REFER TO STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, SECTION 700.) IN ACCORDANCE WITH 811 CMR THE RULES AND REGULATIONS OF THE ARCHITECTURAL ACCESS BOARD (AAB), THE SIDEWALK CROSS SLOPE CANNOT EXCEED 2.0%.
 - AN UNOBSTRUCTED PATH OF TRAVEL WITH A MINIMUM WIDTH OF 1.00 m (3'-0") SHALL BE MAINTAINED PART ALL OBSTRUCTIONS (UTILITY POLES, SIGNS, SIGNAL FOUNDATIONS AND MASTS, MAILBOXES, ALONG DRIVE OPENINGS, ETC.).
 - THE WHEELCHAIR RAMP SLOPES AND SIDE SLOPES (TRANSITIONS) WILL BE 7.5% WITH A CONSTRUCTION TOLERANCE OF ±0.5%. HOWEVER, THESE SLOPES MAY BE FLATTER WHEN WARRANTED BY SURROUNDING CONDITIONS.
 - WHERE THE ROAD PROFILE EXCEEDS 4%, THE HIGH SIDE TRANSITION LENGTH UNDER ANY CONDITIONS NEED NOT EXCEED 4.87 m (16 FEET).
 - IN NO CASE WHERE A STOP LINE IS WARRANTED, SHALL A RAMP BE PLACED ON THE TRANSIT APPROACH SIDE OF THAT STOP LINE.
 - FIXED OBJECTS (E.G. UTILITY POLES, HYDRANTS, SIGNS, SIGNAL FOUNDATIONS, ETC.) MUST NOT ENROACH ON ANY PART OF THE WHEELCHAIR RAMP INCLUDING TRANSITION SLOPES.
 - AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP, EXCLUDING CURB TRANSITIONS, TO BE LOCATED OUTSIDE THE CROSSWALK. THE WHEELCHAIR RAMP ENTRANCE IS TO BE CENTERED IN THE CROSSWALK WHENEVER POSSIBLE.
 - CATCH BASINS WHICH ARE TO BE LOCATED IN THE VICINITY OF A WHEELCHAIR RAMP SHALL BE LOCATED UPDRADE OF THE RAMP ENTRANCE.
 - THE ENTRANCE OF A WHEELCHAIR RAMP SHALL BE FLUSH WITH THE ROADWAY.
 - TESTING SURFACE: WHEN TESTING WITH A STRAIGHTEDGE PLACED PARALLEL TO THE LINE OF THE SLOPE THERE SHALL BE NO DEVIATION FROM A TRUE SURFACE IN EXCESS OF 6 mm (1/4"). TESTING SHALL BE IN ACCORDANCE WITH ADA AND AASHTO GUIDELINES.
 - ALL ADA RAMPS SHALL HAVE DETECTABLE WARNING MATS IN ACCORDANCE WITH ADA GUIDELINES.



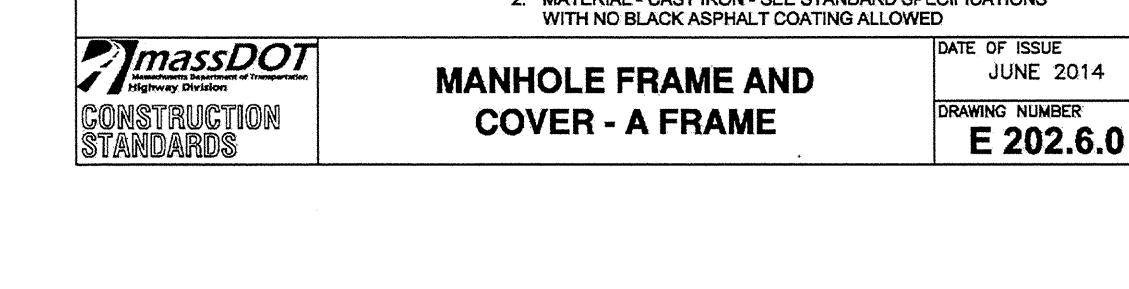
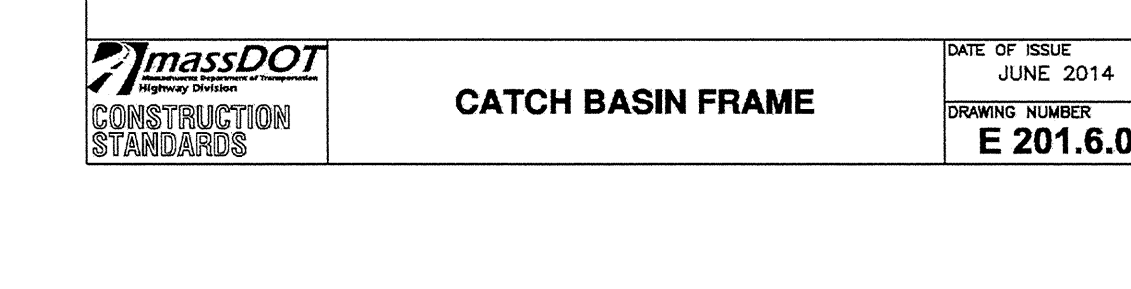
CURB TRANSITION LENGTH FOR WHEELCHAIR RAMPS

ROADWAY PROFILE GRADE	ENGLISH UNITS
0%	6'-6"
>0% TO 1%	7'-8"
>1% TO 2%	9'-0"
>2% TO 3%	11'-0"
>3% TO 4%	14'-0"
>4% TO 5%	15'-0" MAX

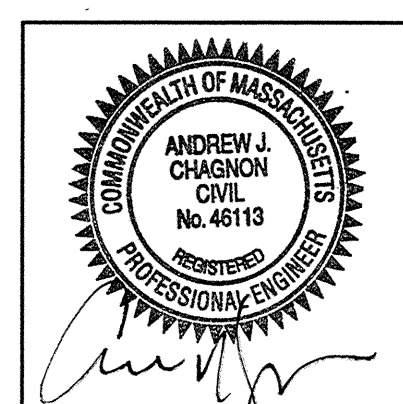
NOTE:
* BASED ON A DESIGN SLOPE OF 7.5% AND A REVEAL OF 6".

MANHOLE FRAME AND COVER - A FRAME

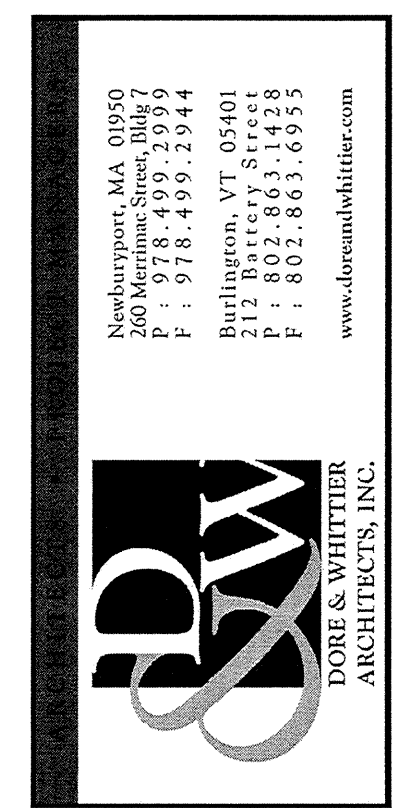
MANHOLE DIAMETER	WALL THICKNESS	BASE THICKNESS
4'-0"	5"	6"
5'-0"	6"	7"
6'-0"	7"	8"



NOTE:
ANY MANUFACTURER'S NAMES AND/OR MODEL NUMBERS IDENTIFIED HEREIN ARE INTENDED TO ASSIST IN ESTABLISHING A GENERAL LEVEL OF QUALITY, CONFIGURATION, FUNCTIONALITY, AND APPEARANCE REQUIRED. THIS IS NOT A PROPRIETARY SPECIFICATION AND IT SHOULD BE NOTED THAT "OR APPROVED EQUAL" APPLIES TO ALL PRODUCTS DENOTED HEREIN. IT IS UNDERSTOOD THAT ALL MANUFACTURERS WILL HAVE MINOR VARIATIONS IN CONFIGURATION, APPEARANCE, AND PRODUCT SPECIFICATION TO ENCOURAGE OPEN AND COMPETITIVE INVOLVEMENT FROM MULTIPLE MANUFACTURERS THAT ARE ABLE TO SUPPLY SIMILAR PRODUCTS.



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Project No. 15007.00

WESTWOOD POLICE DEPARTMENT
500 HIGH STREET
WESTWOOD, MA 02090

PERMITTING PLANS

REVISION	Date

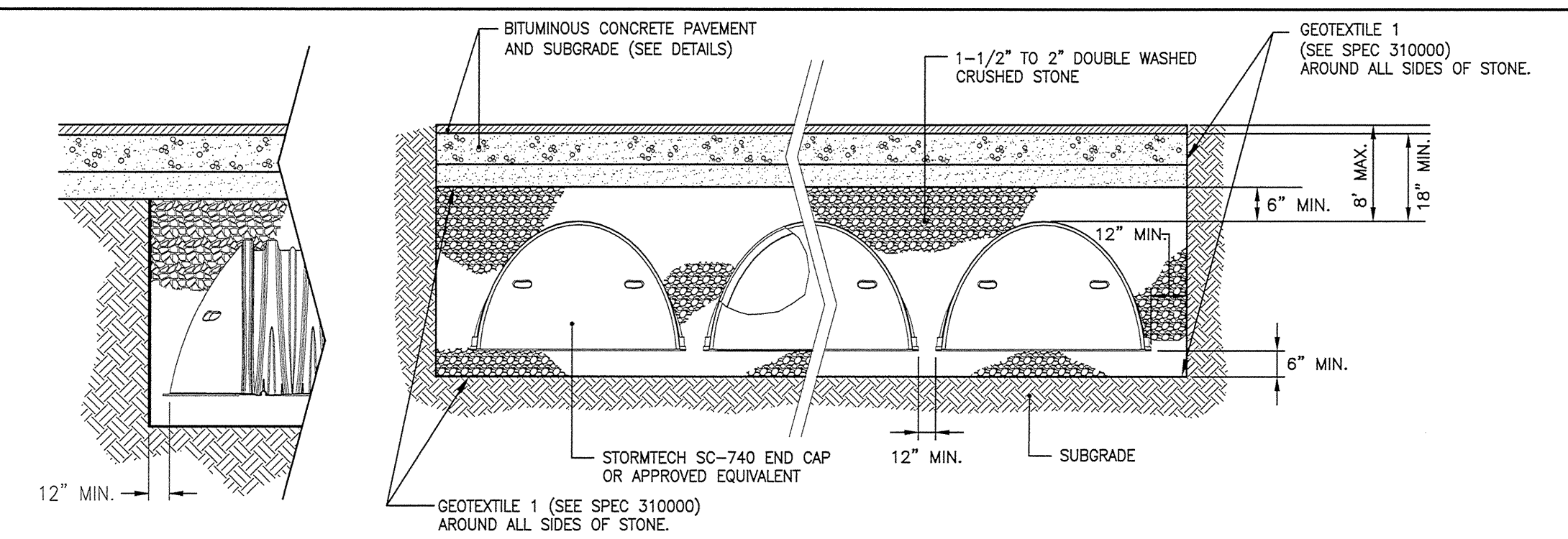
DATE: 08/13/15 SCALE: AS NOTED

DRAWN BY: AWB CHKD BY: MJG

SHEET TITLE: SITE DETAILS 3

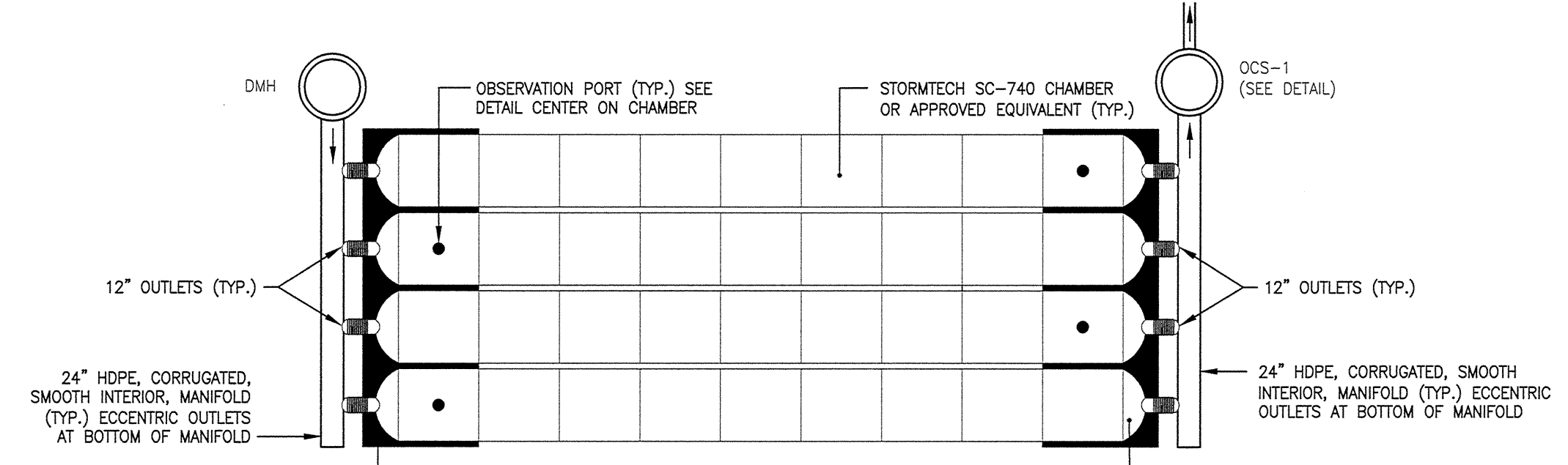
SHEET #:

C6.3



NOTES:
1. THE DETAIL PROVIDED IS FOR GENERAL REFERENCE PURPOSES ONLY. THE CONTRACTOR SHALL COORDINATE WITH THE MANUFACTURER ON THE DESIGN AND SHOP DRAWINGS TO BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.
2. THE SYSTEM SHALL BE REQUIRED TO WITHSTAND HS-20 LOAD RATING.

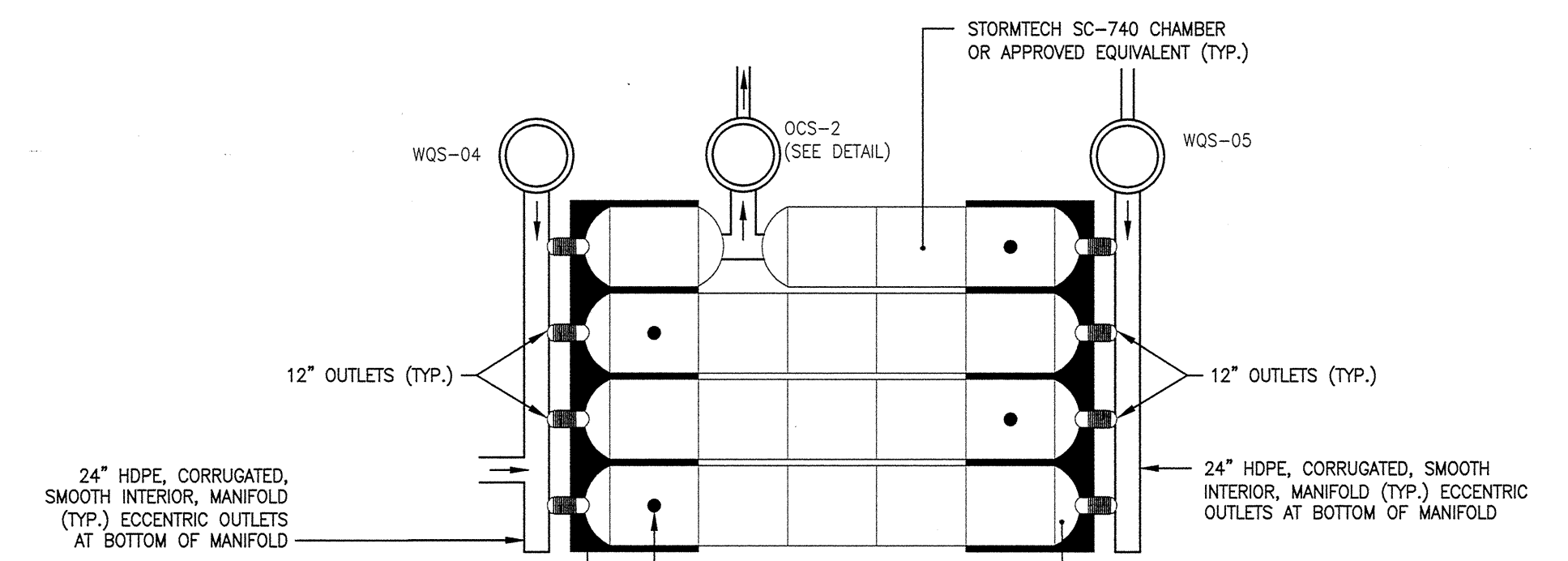
INFILTRATION SYSTEM TYPICAL CROSS SECTIONS
NOT TO SCALE



SC-740 OR EQUIVALENT
4 ROWS; 9 CHAMBERS PER ROW (36 CHAMBERS TOTAL) 21'x67'
BOTTOM OF STONE ELEV. = 237.50'
BOTTOM OF CHAMBER ELEV. = 237.50'
STONE STORAGE VOLUME = 1243.0 cf (40 % VOIDS)
CHAMBER STORAGE VOLUME = 1865.2 cf
TOTAL SYSTEM STORAGE (INCLUDING PERIMETER STONE) = 0.067 ACRE-FT

NOTES:
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2. THE SYSTEM SHALL BE REQUIRED TO WITHSTAND HS-20 LOAD RATING.

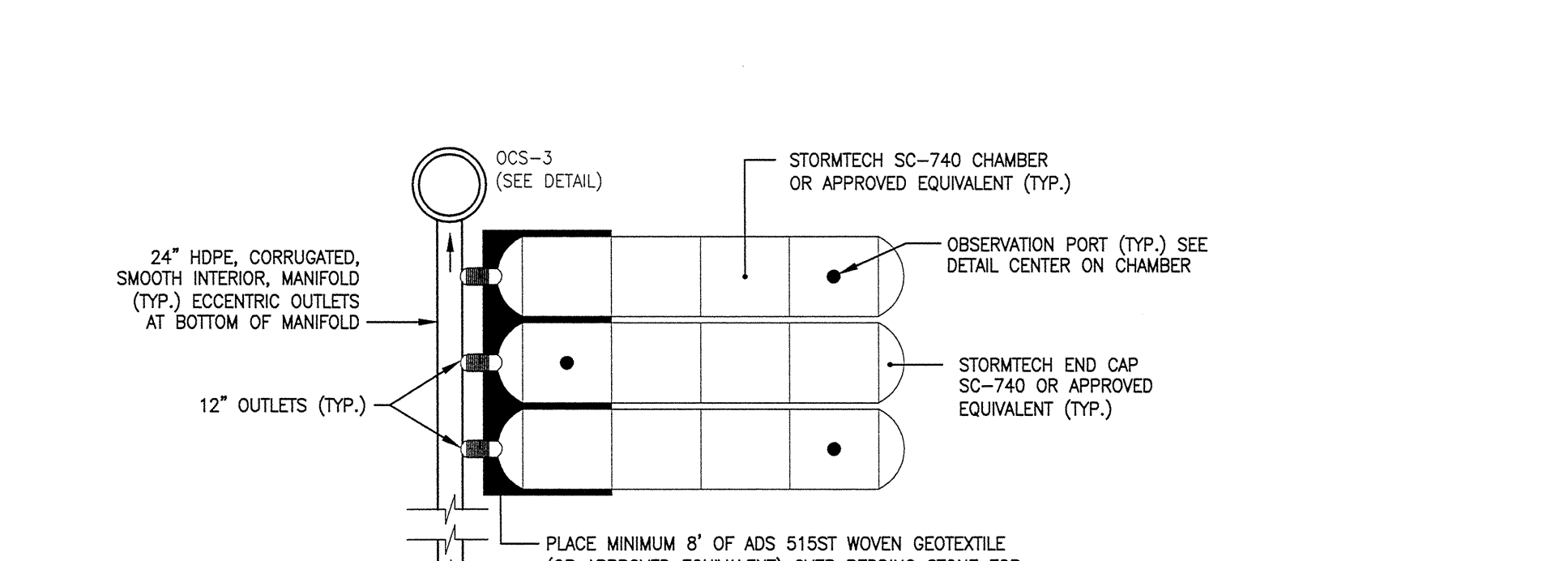
UNDERGROUND INFILTRATION SYSTEM NO. 1
NOT TO SCALE



SC-740 OR EQUIVALENT
4 ROWS; 5 CHAMBERS PER ROW (20 CHAMBERS TOTAL) 21'x38'
BOTTOM OF STONE ELEV. = 239.00'
BOTTOM OF CHAMBER ELEV. = 239.50'
STONE STORAGE VOLUME = 719.7 cf (40 % VOIDS)
CHAMBER STORAGE VOLUME = 830.2 cf
TOTAL SYSTEM STORAGE (INCLUDING PERIMETER STONE) = 0.038 ACRE-FT

NOTES:
1. THE DETAIL PROVIDED IS FOR GENERAL REFERENCE PURPOSES ONLY. THE CONTRACTOR SHALL COORDINATE WITH THE MANUFACTURER ON THE DESIGN AND SHOP DRAWINGS TO BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.
2. THE SYSTEM SHALL BE REQUIRED TO WITHSTAND HS-20 LOAD RATING.

UNDERGROUND INFILTRATION SYSTEM NO. 2
NOT TO SCALE



SC-740 OR EQUIVALENT
3 ROWS; 4 CHAMBERS PER ROW (12 CHAMBERS TOTAL) 16'x29'
BOTTOM OF STONE ELEV. = 239.60'
BOTTOM OF CHAMBER ELEV. = 240.10'
STONE STORAGE VOLUME = 473.9 cf (40 % VOIDS)
CHAMBER STORAGE VOLUME = 559.8 cf
TOTAL SYSTEM STORAGE (INCLUDING PERIMETER STONE) = 0.023 ACRE-FT

NOTES:
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2. THE SYSTEM SHALL BE REQUIRED TO WITHSTAND HS-20 LOAD RATING.

UNDERGROUND INFILTRATION SYSTEM NO. 3
NOT TO SCALE

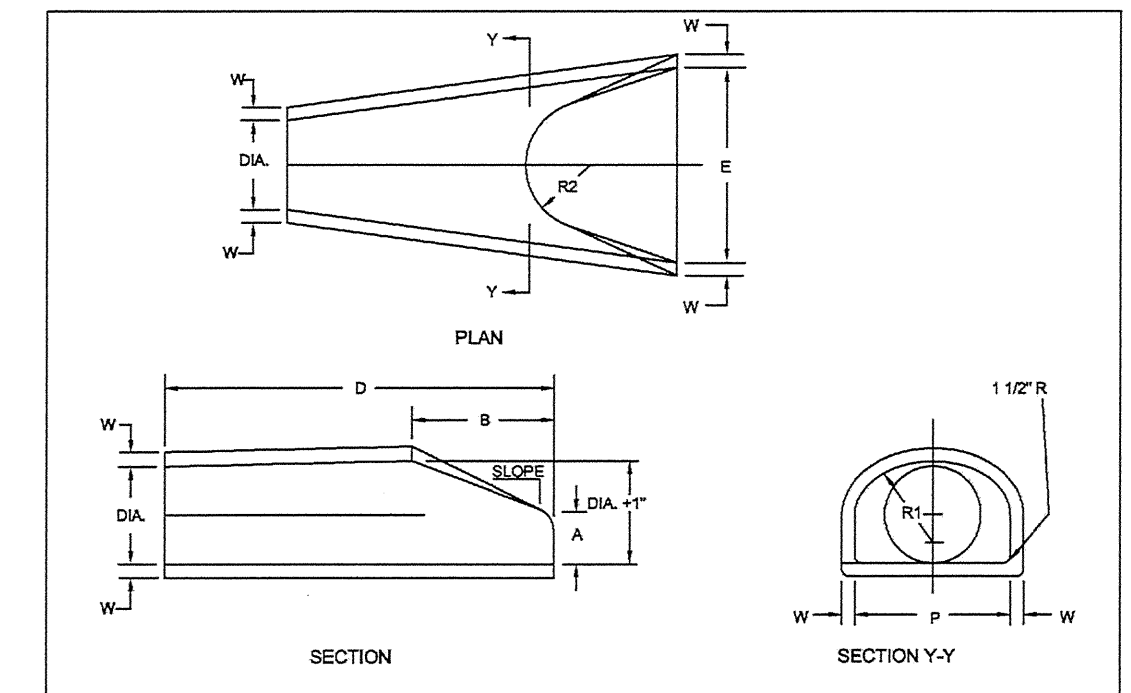


TABLE
ALL DIMENSIONS ARE INCHES OR FEET

SIZE	W	A	B	D	E	P	FLARE DIA.	R1	R2	SLOPE
12"	20"	8"	20"	6.0"	3.0"	19.00"	12"	10.00"	0"	1/4"
15"	25"	8"	25"	6.0"	3.0"	24.00"	15"	12.00"	0"	1/4"
18"	30"	8"	30"	6.0"	3.0"	29.00"	18"	15.00"	0"	1/4"
21"	35"	8"	35"	6.0"	3.0"	34.00"	21"	18.00"	0"	1/4"
24"	40"	8"	40"	6.0"	3.0"	39.00"	24"	21.00"	0"	1/4"
27"	45"	8"	45"	6.0"	3.0"	44.00"	27"	24.00"	0"	1/4"
30"	50"	8"	50"	6.0"	3.0"	49.00"	30"	27.00"	0"	1/4"
36"	60"	8"	60"	6.0"	3.0"	59.00"	36"	33.00"	0"	1/4"
42"	70"	8"	70"	6.0"	3.0"	69.00"	42"	39.00"	0"	1/4"
48"	80"	8"	80"	6.0"	3.0"	79.00"	48"	45.00"	0"	1/4"

NOTES:
1. SEE STANDARD SPECIFICATIONS FOR THE TYPE OF PIPE TO BE USED (HLL & SPDOT OR TONGUE & GROOVE)
2. SEE STANDARD SPECIFICATIONS FOR THE TYPE OF PIPE AND PLACING OF STEEL REINFORCEMENT
3. THE JOINTS ARE TO BE COMPATIBLE WITH THE MAIN RUN OF PIPE.

MASSDOT CONSTRUCTION STANDARDS
REINFORCED CONCRETE PIPE FLARED ENDS
DATE OF ISSUE: JUNE 2014
DRAWING NUMBER: **E 206.8.0**

EROSION CONTROL
DATE OF ISSUE: 9/22/95
DRAWING NUMBER: **210.1.0**

DURING A CONSTRUCTION PROJECT, SOIL EROSION CAN BE A MAJOR CONTRIBUTING FACTOR TO ENVIRONMENTAL POLLUTION. IN ORDER TO MINIMIZE THE EFFECT OF SEDIMENTATION, SCOUR, TURBULENCE, WASHOUTS, ETC. DURING CONSTRUCTION OPERATIONS, TEMPORARY AND UNDER SOME CONDITIONS PERMANENT, CONTROLS MUST BE BUILT.

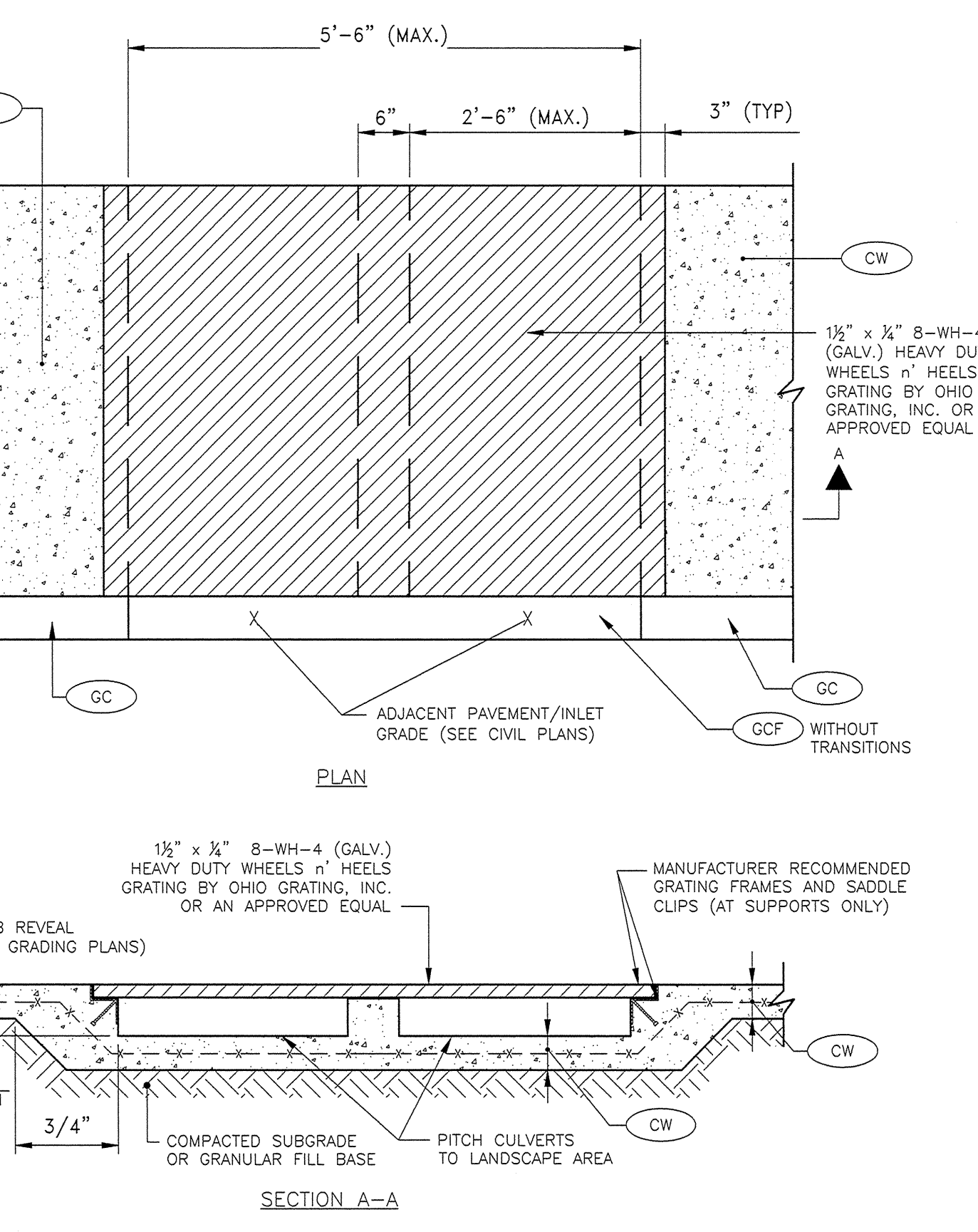
THE FORM AND DESIGN OF THE CONTROLS WILL VARY WITH THE TYPE OF AREA THAT IS TO BE PROTECTED AND THE SPECIFIC CAUSE OF THE ENVIRONMENTAL DEGRADATION. THE PROTECTIVE STRUCTURES MAY CONSIST OF:

- SEDIMENTATION POOLS FOR THE PROTECTION OF RIVERS, LAKES, STREAMS AND PONDS
- TEMPORARY BERMS TO CONTROL HEAVY RUNOFF, THUS PREVENTION WASHOUTS
- DITCHES AT TOES OF SLOPES
- CHECK DAMS AT WATERWAY CROSSINGS
- FILTERS AT DRAIN INLETS
- ENERGY DISSIPATORS AT DRAIN OUTLETS (I.E. SPLASH PADS, BULK STONE DEPOSITS, ETC.) AT CULVERT ENDS.

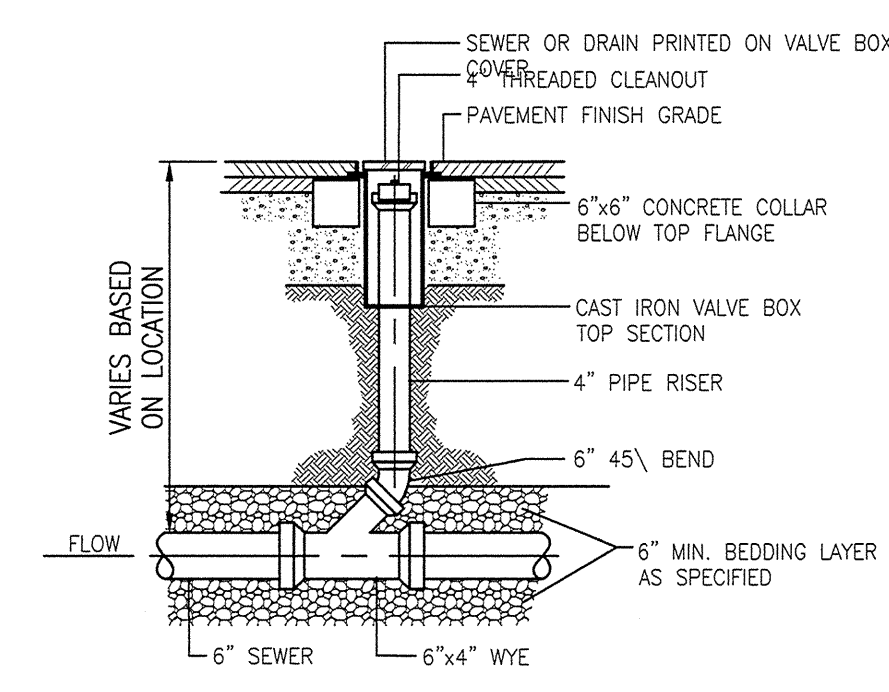
IN MOST SITUATIONS THE TYPE AND LOCATION OF POLLUTION CONTROL DEVICES CAN BE DETERMINED DURING THE DESIGN STAGE OF THE PROJECT. HOWEVER, FIELD CONDITIONS MAY WARRANT ADDITIONAL MEASURES AND CHANGES DURING THE CONSTRUCTION PHASE.

MANY TYPES OF PROTECTIVE SCHEMES AND DESIGNS CAN BE ADAPTED TO MEET A PARTICULAR CONDITION; IN SOME CASES CERTAIN MEASURES MAY HAVE TO BE INNOVATED. GENERALLY, THE VARIOUS SCHEMES DETAILED IN THE BOOKLET ENTITLED "TEMPORARY EROSION AND POLLUTION CONTROL MEASURES" PREPARED BY THE FEDERAL HIGHWAY ADMINISTRATION CAN BE APPLIED.

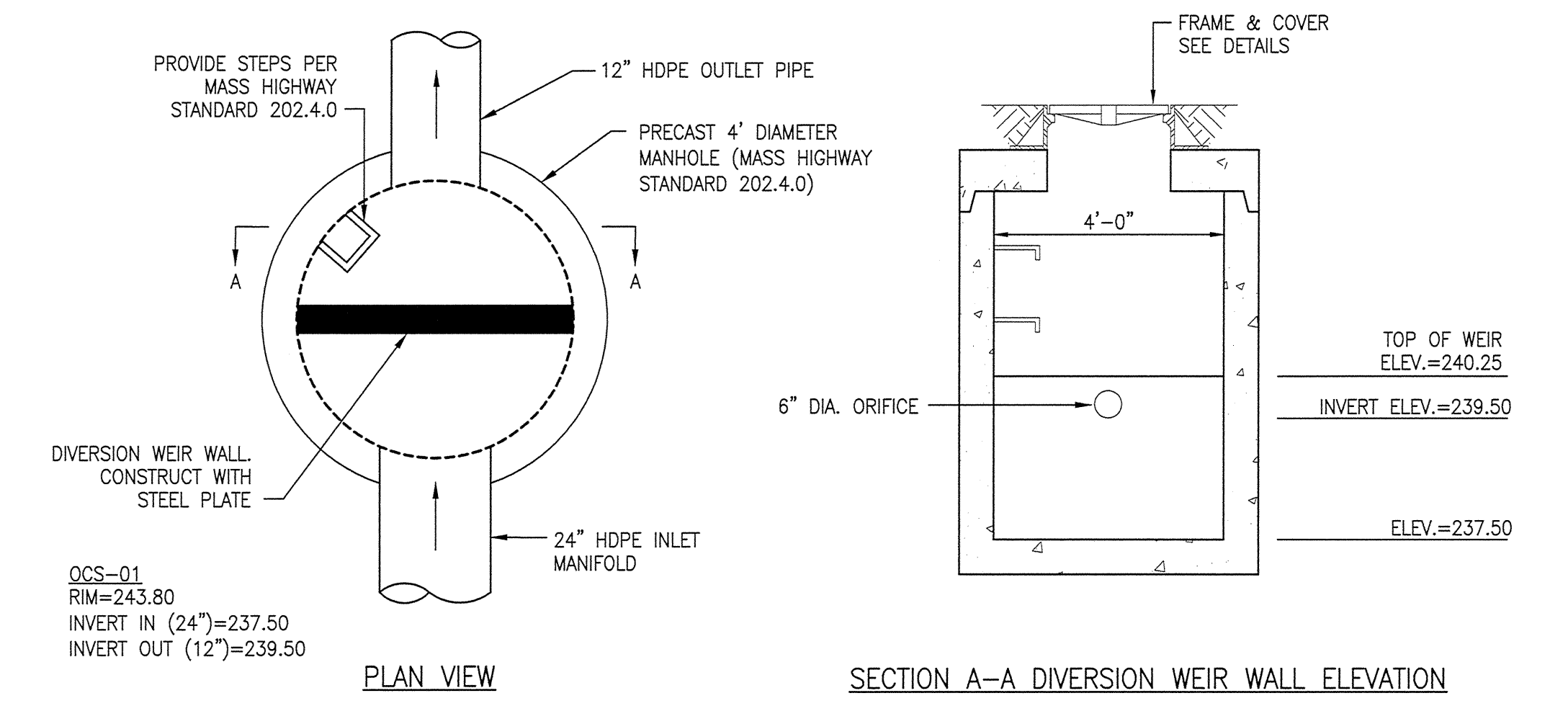
MASSDOT CONSTRUCTION STANDARDS
EROSION CONTROL
DATE OF ISSUE: 9/22/95
DRAWING NUMBER: **210.1.0**



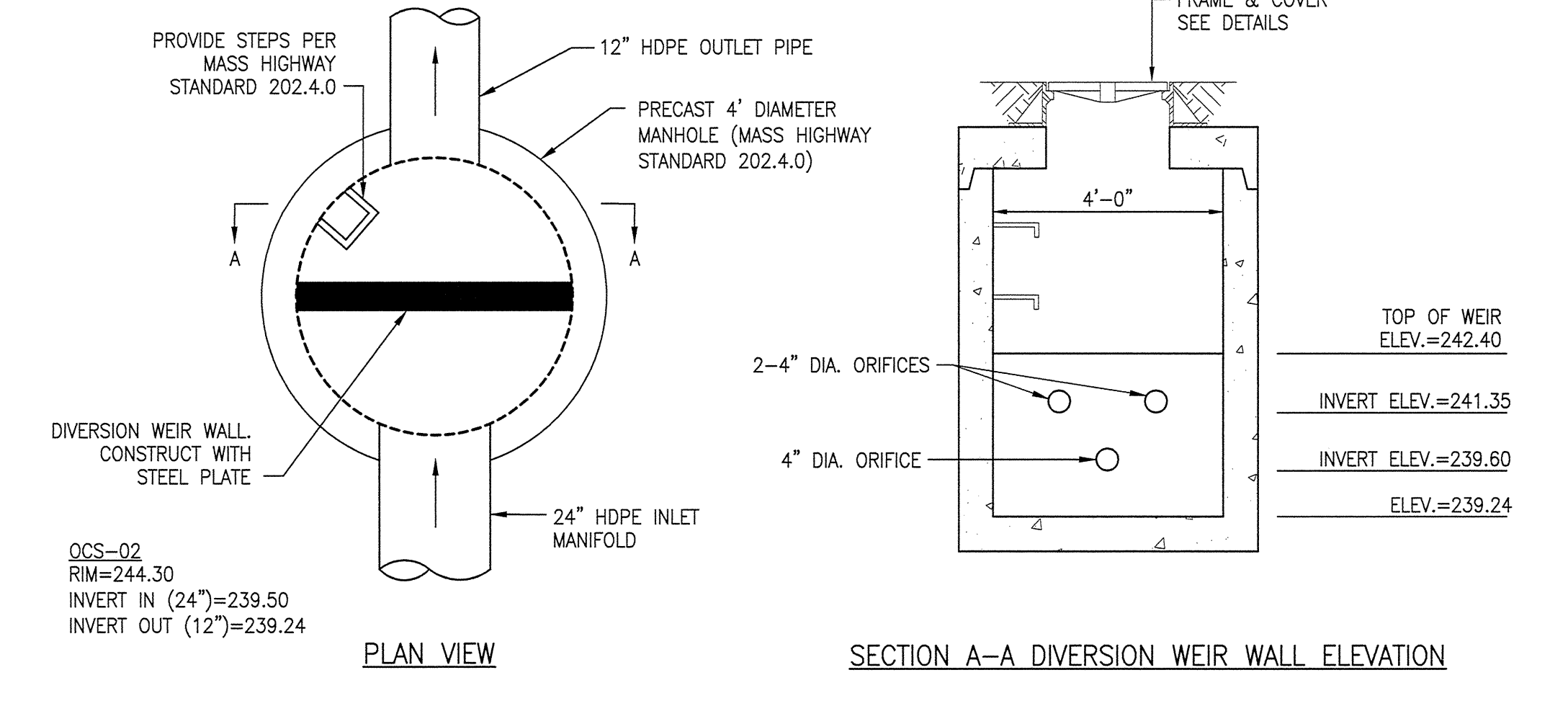
SIDEWALK GRATE DETAIL
NOT TO SCALE



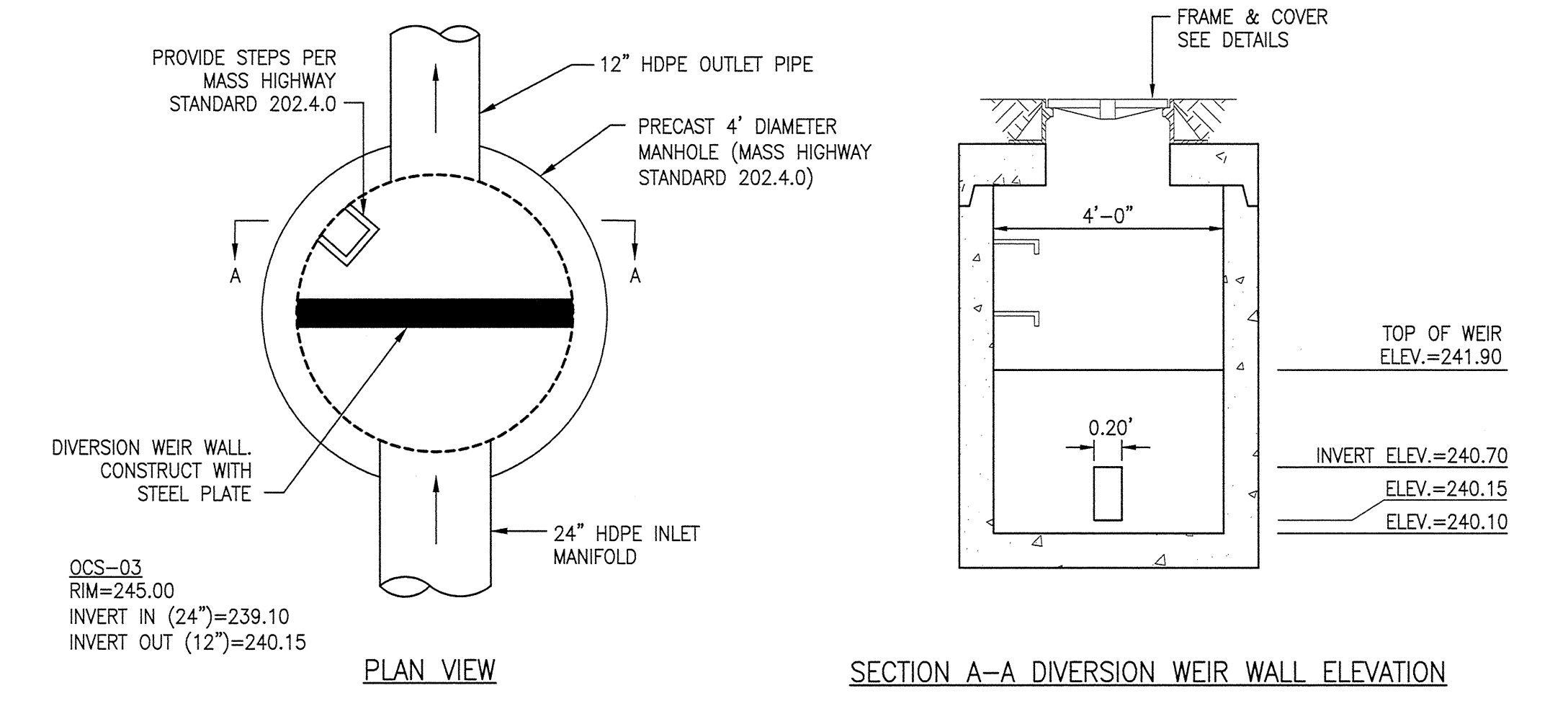
CLEANOUT
NOT TO SCALE



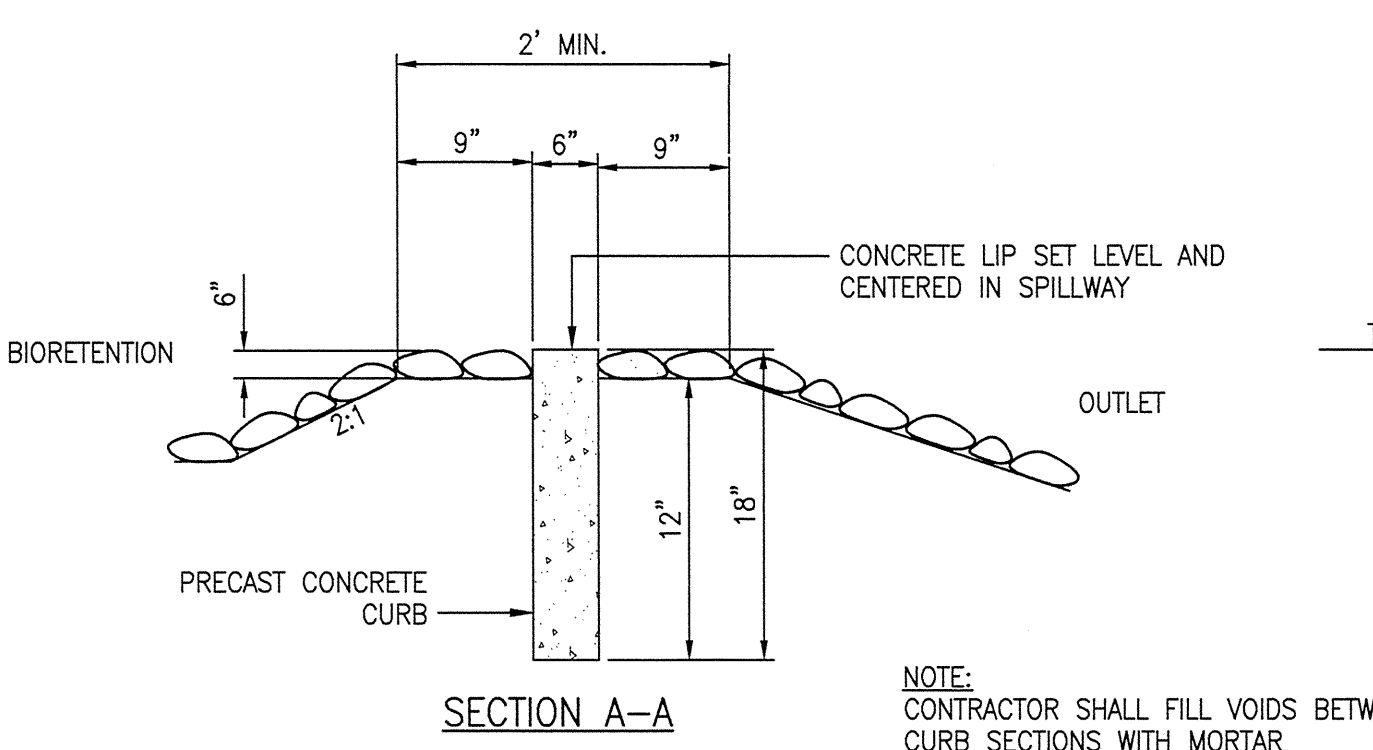
OCS-01 OUTLET CONTROL STRUCTURE
NOT TO SCALE



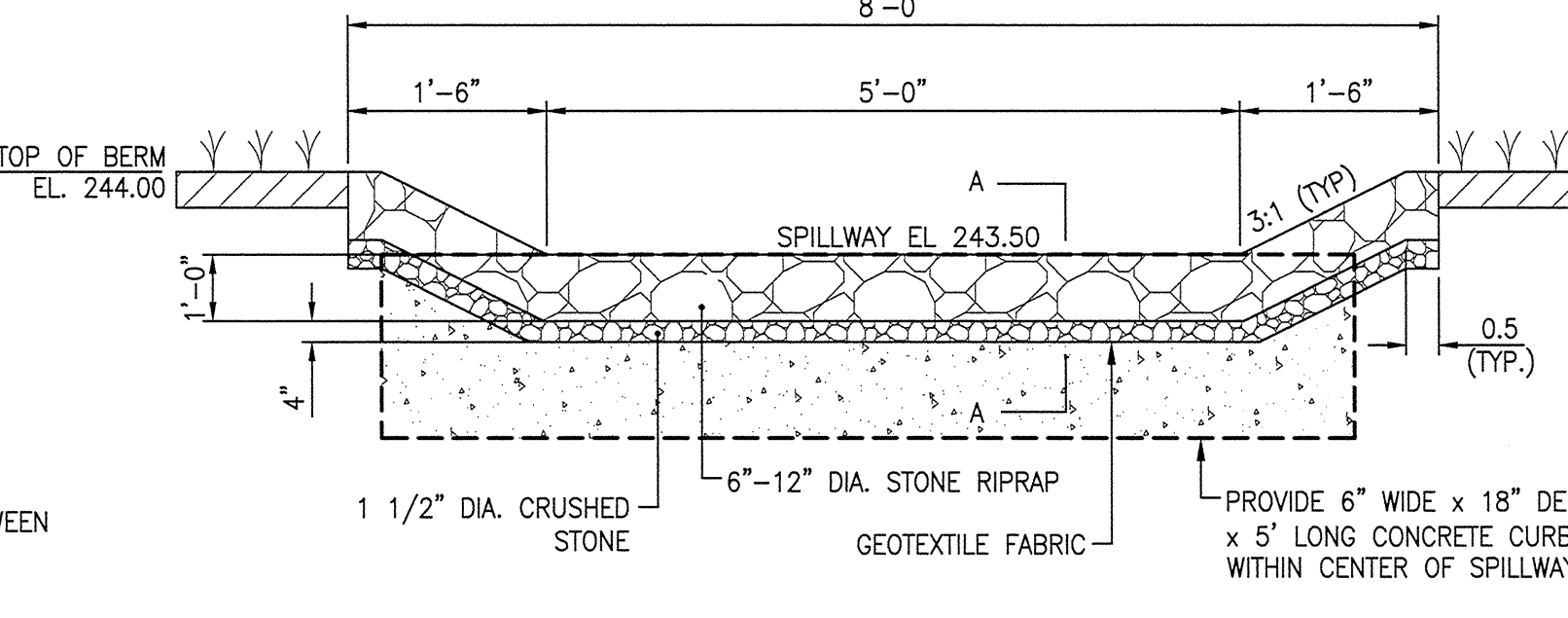
OCS-02 OUTLET CONTROL STRUCTURE
NOT TO SCALE



OCS-03 OUTLET CONTROL STRUCTURE
NOT TO SCALE

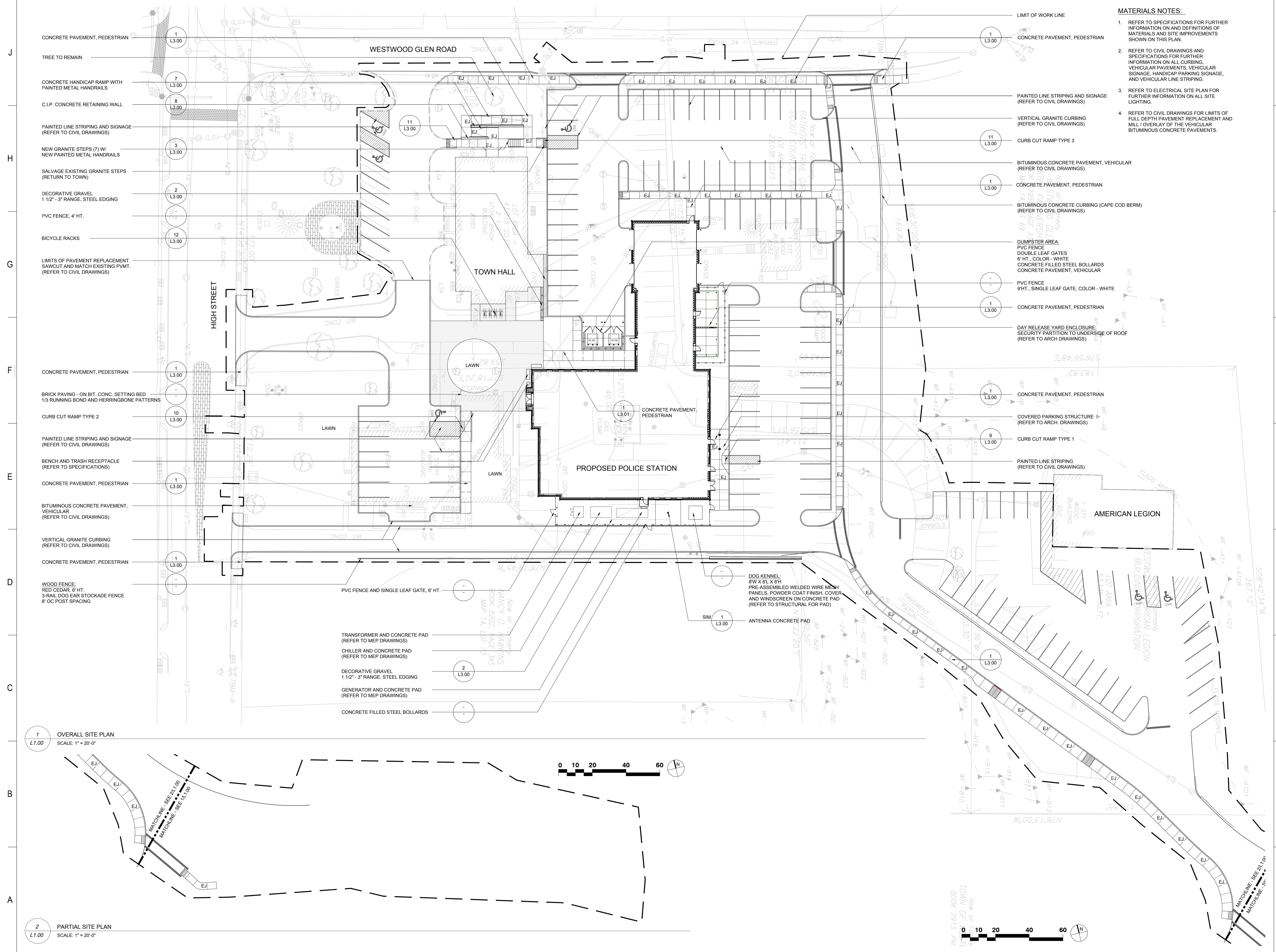


OVERFLOW WEIR
NOT TO SCALE

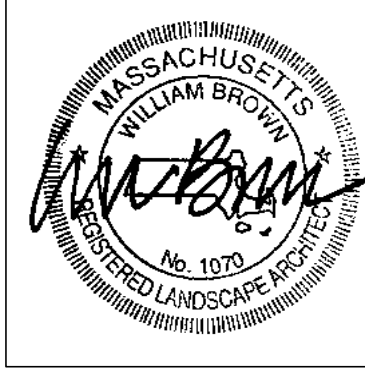


OVERFLOW WEIR
NOT TO SCALE

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- MATERIALS NOTES:**
- REFER TO SPECIFICATIONS FOR FURTHER INFORMATION ON AND DEFINITIONS OF MATERIALS AND SITE IMPROVEMENTS SHOWN ON THIS PLAN.
 - REFER TO CIVIL DRAWINGS AND SPECIFICATIONS FOR FURTHER INFORMATION ON ALL CURBING, VEHICULAR PAVEMENTS, VEHICULAR SIGNAGE, HANDICAP PARKING SIGNAGE, AND VEHICULAR LINE STRIPING.
 - REFER TO ELECTRICAL SITE PLAN FOR FURTHER INFORMATION ON ALL SITE LIGHTING.
 - REFER TO CIVIL DRAWINGS FOR LIMITS OF FULL DEPTH PAVEMENT REPLACEMENT AND MILL/OVERLAY OF THE VEHICULAR BITUMINOUS CONCRETE PAVEMENTS.



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Project No. **14-0676**

WESTWOOD POLICE DEPARTMENT
 500 HIGH STREET
 WESTWOOD, MA. 02090

PERMITTING PLANS

REVISION:	Date:

DATE: 8/13/15 SCALE: 1" = 20'-0"

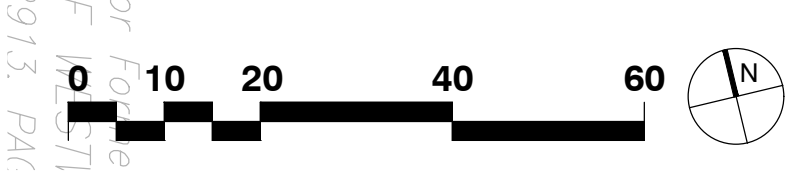
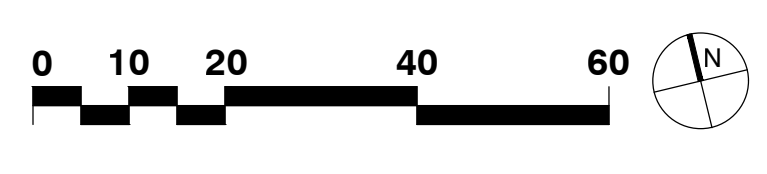
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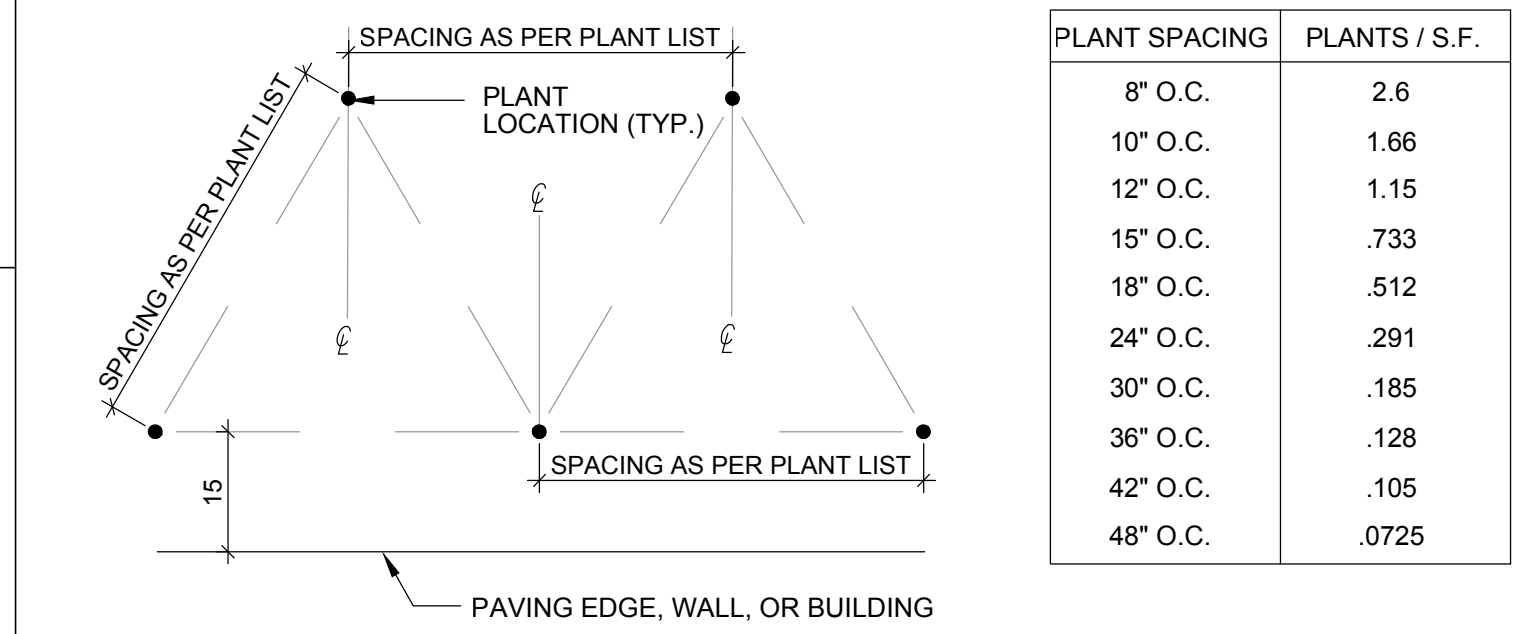
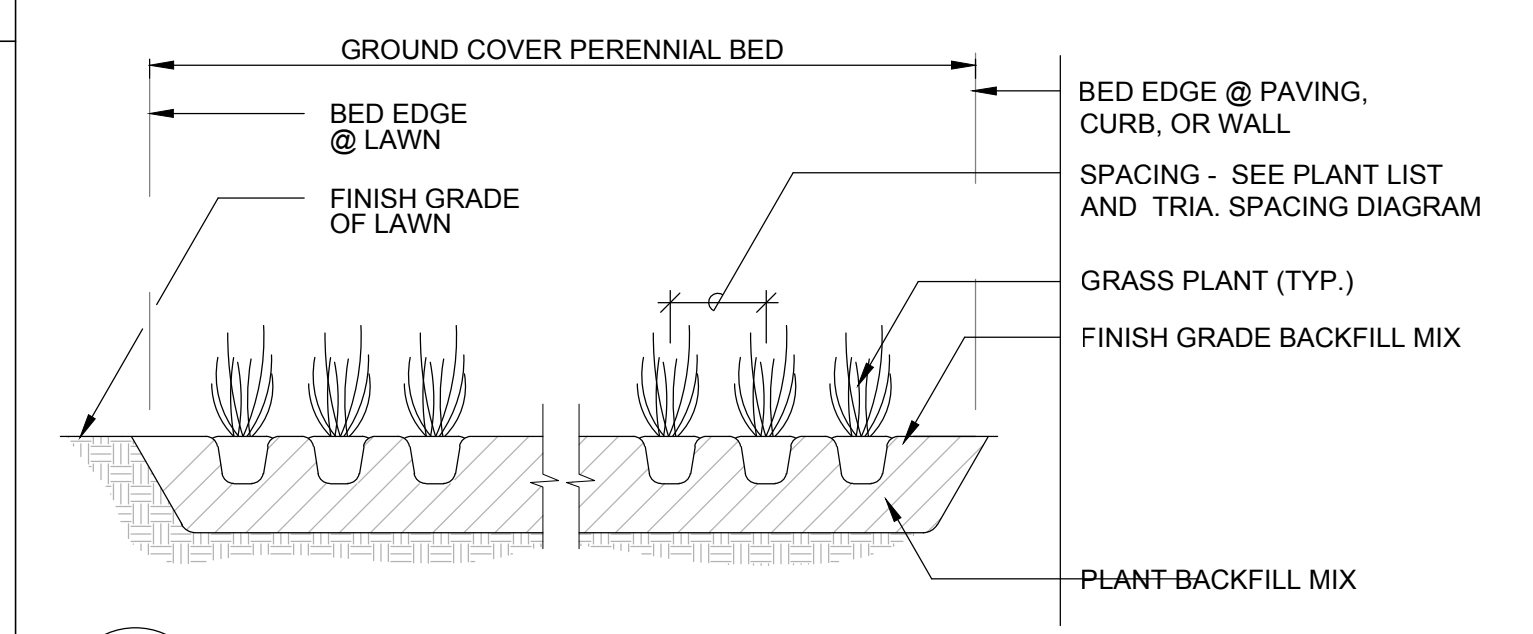
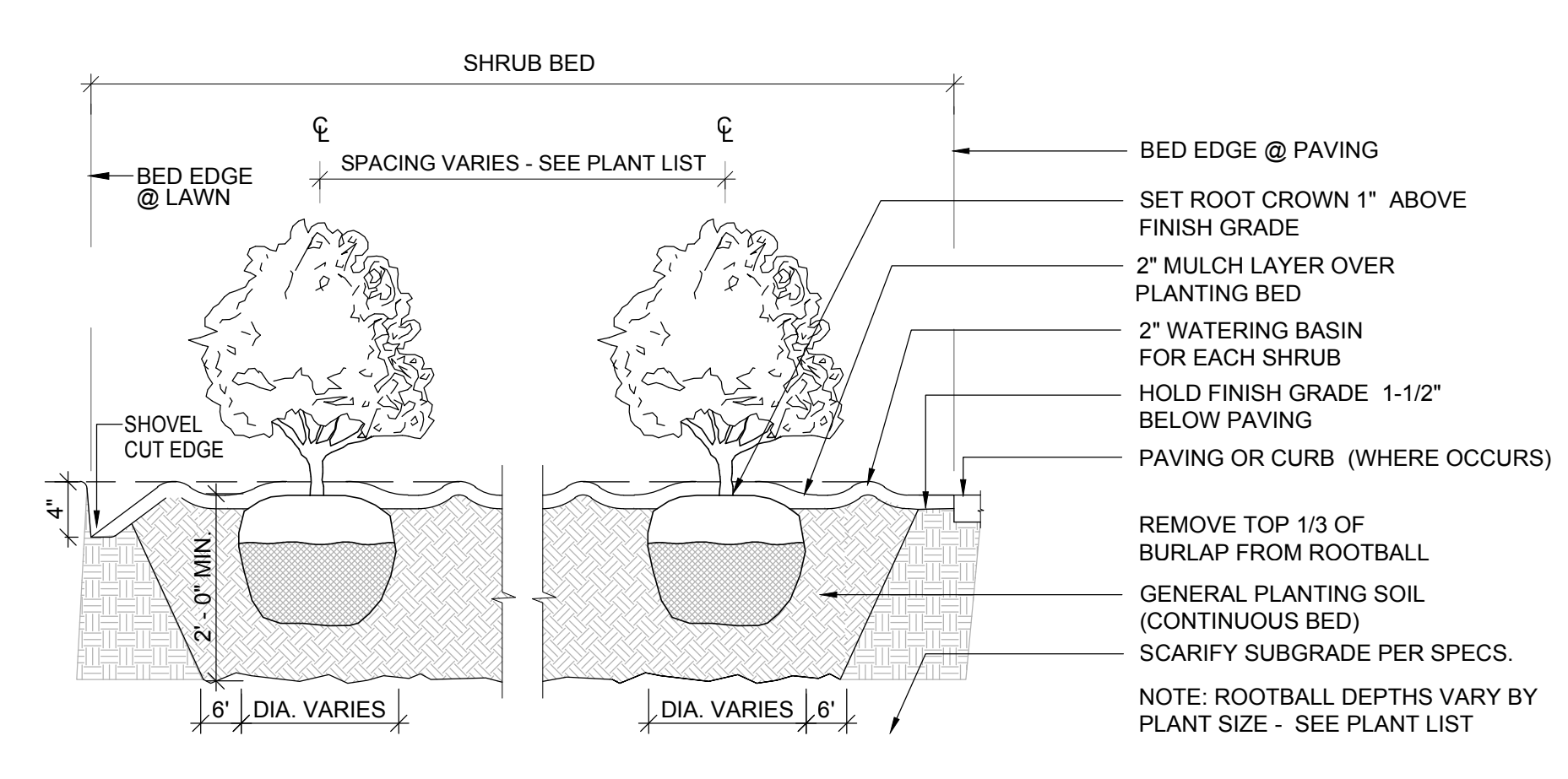
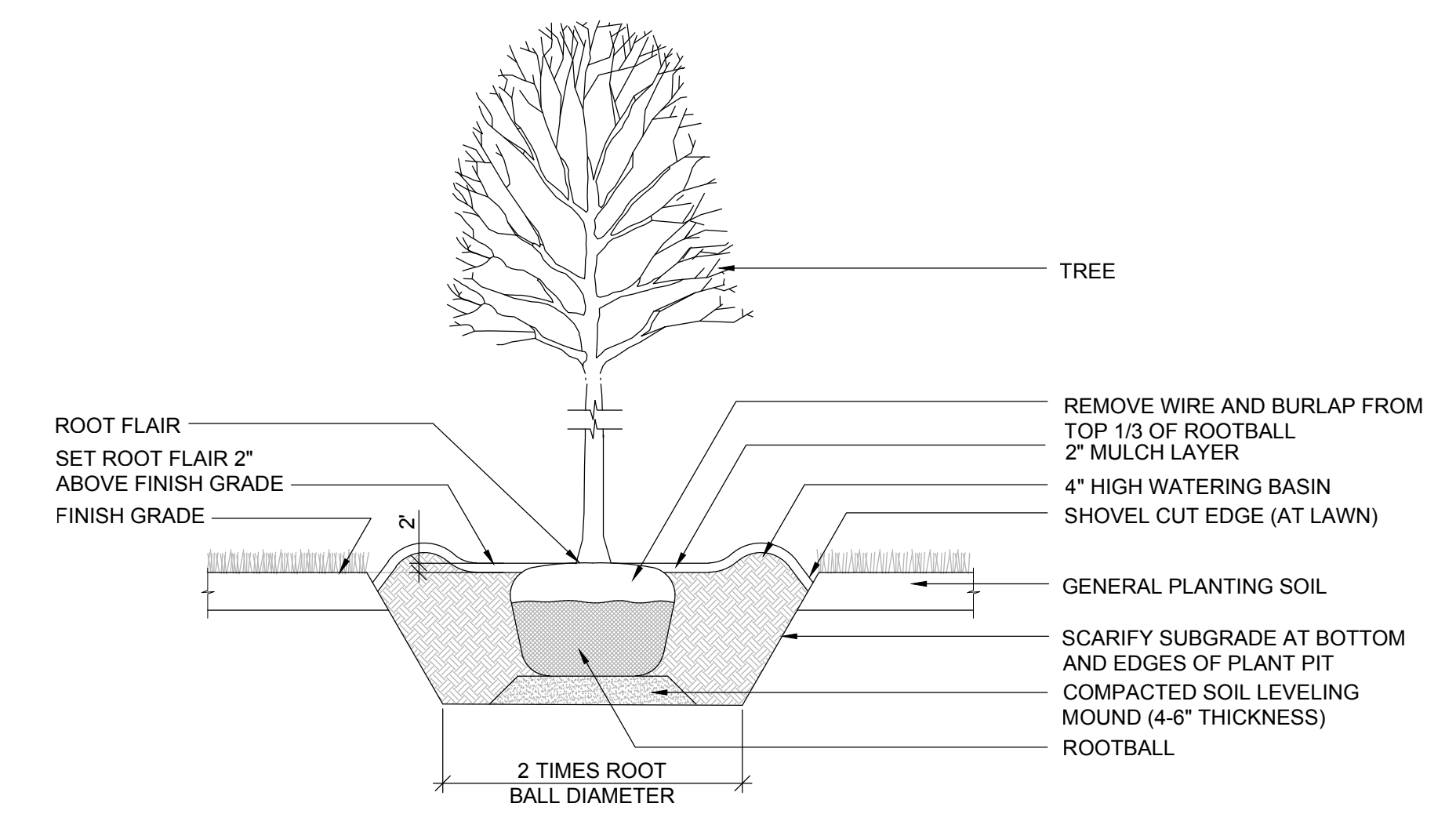
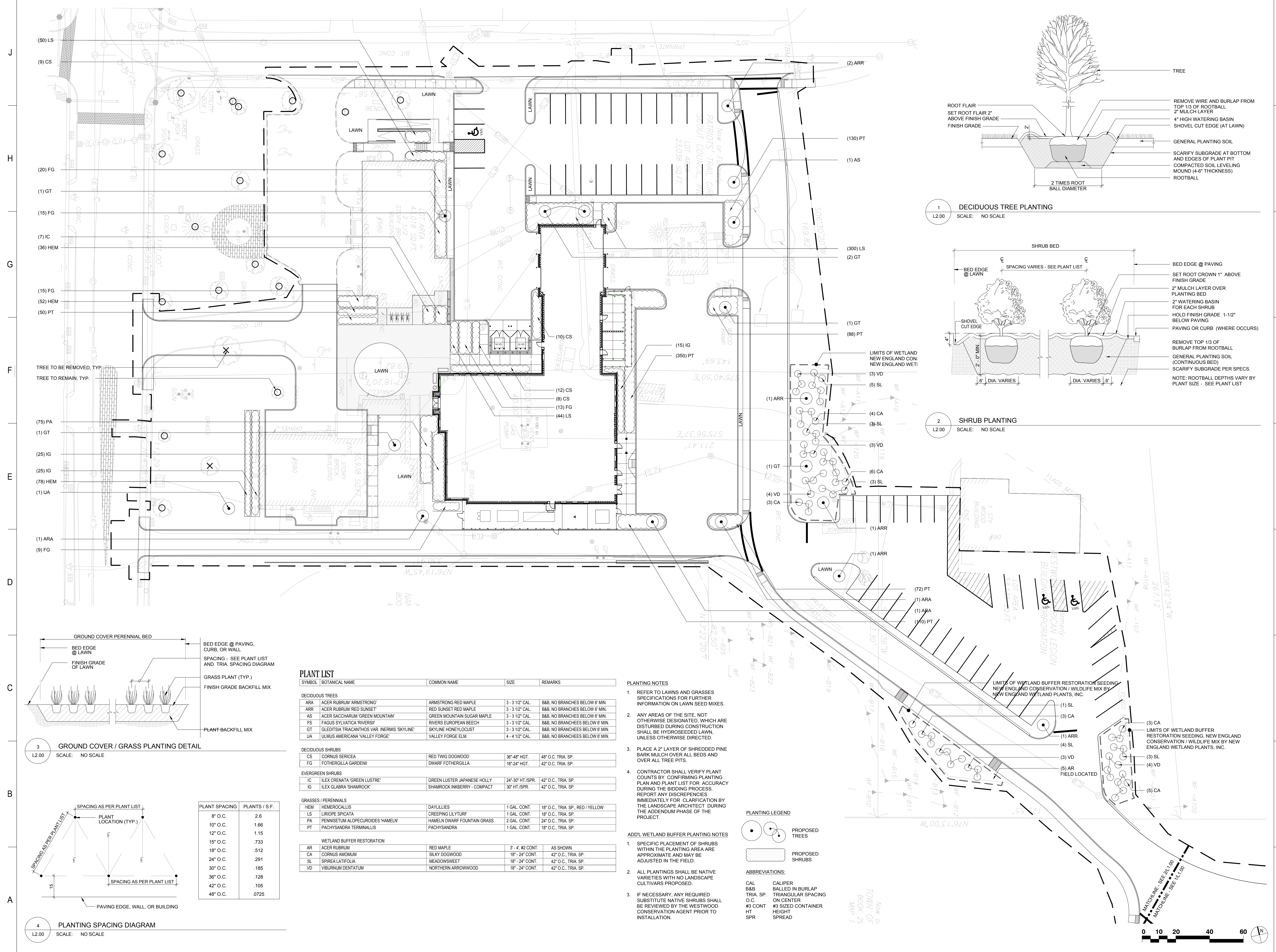
SHEET TITLE: MATERIALS PLAN

SHEET #: L1.00

1 OVERALL SITE PLAN
 SCALE: 1" = 20'-0"

2 PARTIAL SITE PLAN
 SCALE: 1" = 20'-0"





PLANT LIST

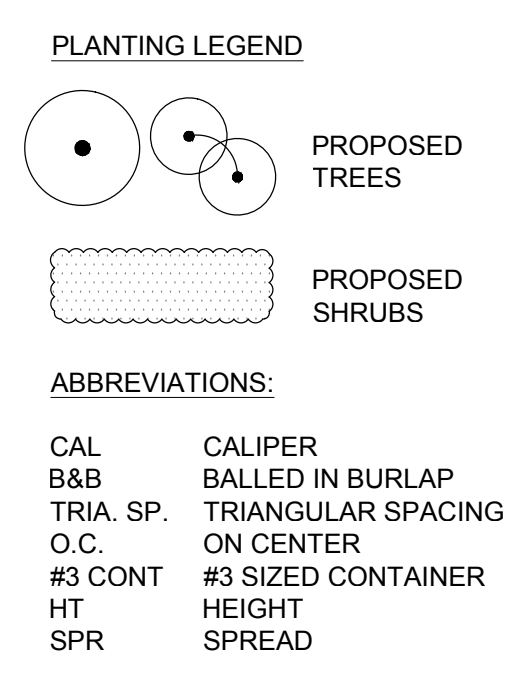
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
DECIDUOUS TREES				
ARA	ACER RUBRUM 'ARMSTRONG'	ARMSTRONG RED MAPLE	3 - 3 1/2" CAL.	B&B, NO BRANCHES BELOW 6' MIN.
ARR	ACER RUBRUM 'RED SUNSET'	RED SUNSET RED MAPLE	3 - 3 1/2" CAL.	B&B, NO BRANCHES BELOW 6' MIN.
AS	ACER SACCHARUM 'GREEN MOUNTAIN'	GREEN MOUNTAIN SUGAR MAPLE	3 - 3 1/2" CAL.	B&B, NO BRANCHES BELOW 6' MIN.
FS	FAGUS SYLVATICA 'RIVERSIDE'	RIVERSIDE EUROPEAN BEECH	3 - 3 1/2" CAL.	B&B, NO BRANCHES BELOW 6' MIN.
GT	GLEDETZIA TRICANTHOS VAR. 'INERMIS' SKYLINE'	SKYLINE HONEYLOCUST	3 - 3 1/2" CAL.	B&B, NO BRANCHES BELOW 6' MIN.
UA	ULMUS AMERICANA 'VALLEY FORGE'	VALLEY FORGE ELM	4 - 4 1/2" CAL.	B&B, NO BRANCHES BELOW 6' MIN.
DECIDUOUS SHRUBS				
CS	CORNUS SERICEA	RED TWIG DOGWOOD	36" HT.	48" O.C. TRIA. SP.
FG	FOTHERGILLA GARDENII	DWARF FOTHERGILLA	18" HT.	42" O.C. TRIA. SP.
EVERGREEN SHRUBS				
IC	ILEX CRENATA 'GREEN LUSTRE'	GREEN LUSTER JAPANESE HOLLY	24" HT./SPR.	42" O.C. TRIA. SP.
IG	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY - COMPACT	30" HT./SPR.	42" O.C. TRIA. SP.
GRASSES / PERENNIALS				
HEM	HEMEROCALLIS	DAYLILIES	1 GAL. CONT.	18" O.C. TRIA. SP. RED / YELLOW
LS	LIRIOPE SPICATA	CREeping LILYTURF	1 GAL. CONT.	18" O.C. TRIA. SP.
PA	PENISTEMUM ALOPECUROIDES 'HAMELN'	HAMELN DWARF FOUNTAIN GRASS	2 GAL. CONT.	24" O.C. TRIA. SP.
PT	PACHYSANDRA TERMINALIS	PACHYSANDRA	1 GAL. CONT.	18" O.C. TRIA. SP.
WETLAND BUFFER RESTORATION				
AR	ACER RUBRUM	RED MAPLE	3' - 4' #2 CONT.	AS SHOWN
CA	ACER AMOMUM	SILKY DOGWOOD	18" - 24" CONT.	42" O.C. TRIA. SP.
SL	SPIREA LATIFOLIA	MEADOWSWEET	18" - 24" CONT.	42" O.C. TRIA. SP.
VD	VIBURNUM DENTATUM	NORTHERN ARROWWOOD	18" - 24" CONT.	42" O.C. TRIA. SP.

PLANTING NOTES

- REFER TO LAWNS AND GRASSES SPECIFICATIONS FOR FURTHER INFORMATION ON LAWN SEED MIXES.
- ANY AREAS OF THE SITE NOT OTHERWISE DESIGNATED, WHICH ARE DISTURBED DURING CONSTRUCTION SHALL BE HYDROSEEDED LAWN, UNLESS OTHERWISE DIRECTED.
- PLACE A 2" LAYER OF SHREDDED PINE BARK MULCH OVER ALL BEDS AND OVER ALL TREE PITS.
- CONTRACTOR SHALL VERIFY PLANT COUNTS BY CONFIRMING PLANTING PLAN AND PLANT LIST FOR ACCURACY DURING THE BIDDING PROCESS. REPORT ANY DISCREPANCIES IMMEDIATELY FOR CLARIFICATION BY THE LANDSCAPE ARCHITECT DURING THE ADDENDUM PHASE OF THE PROJECT.

ADD'L WETLAND BUFFER PLANTING NOTES

- SPECIFIC PLACEMENT OF SHRUBS WITHIN THE PLANTING AREA ARE APPROXIMATE AND MAY BE ADJUSTED IN THE FIELD.
- ALL PLANTINGS SHALL BE NATIVE VARIETIES WITH NO LANDSCAPE CULTIVARS PROPOSED.
- IF NECESSARY, ANY REQUIRED SUBSTITUTE NATIVE SHRUBS SHALL BE REVIEWED BY THE WESTWOOD CONSERVATION AGENT PRIOR TO INSTALLATION.



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Project No: **14-0676**

WESTWOOD POLICE DEPARTMENT
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WESTWOOD, MA. 02090

PERMITTING PLANS

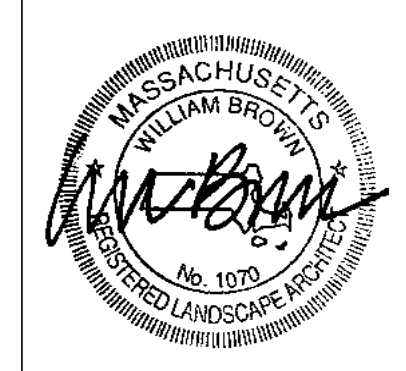
REVISION:	Date:
RESPONSE TO COMMENTS:	10.01.2015

DATE: 8/13/15 SCALE: 1" = 20'-0"

DRAWN BY: BB CHKD BY: WB

SHEET TITLE:
PLANTING PLAN

SHEET #:
L2.00



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WESTWOOD POLICE DEPARTMENT
500 HIGH STREET
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PERMITTING PLANS

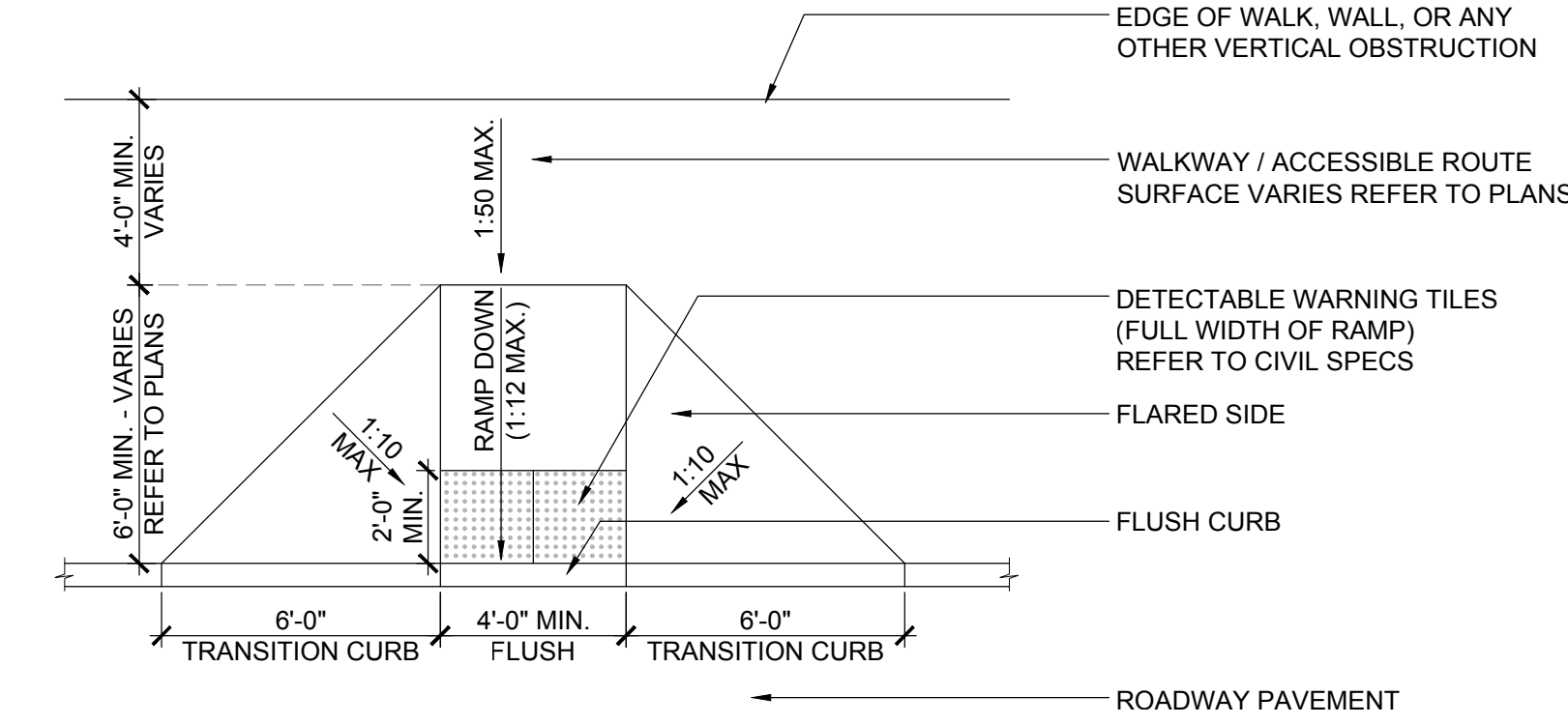
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DATE:	SCALE:
8/13/15	VARIABLES
DRAWN BY:	CHKD BY:
BB	WB

SHEET TITLE:

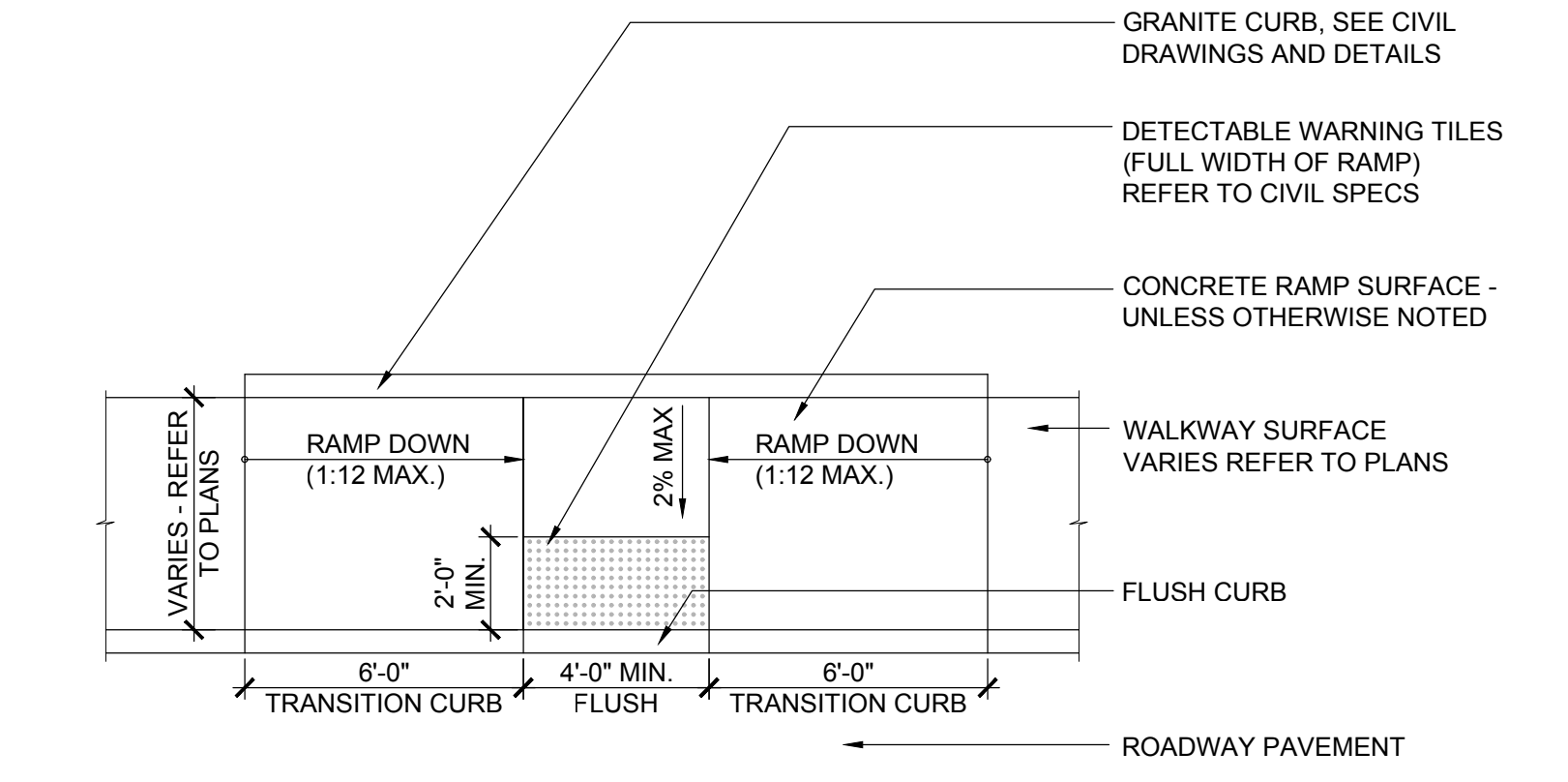
SITE DETAILS

SHEET #:

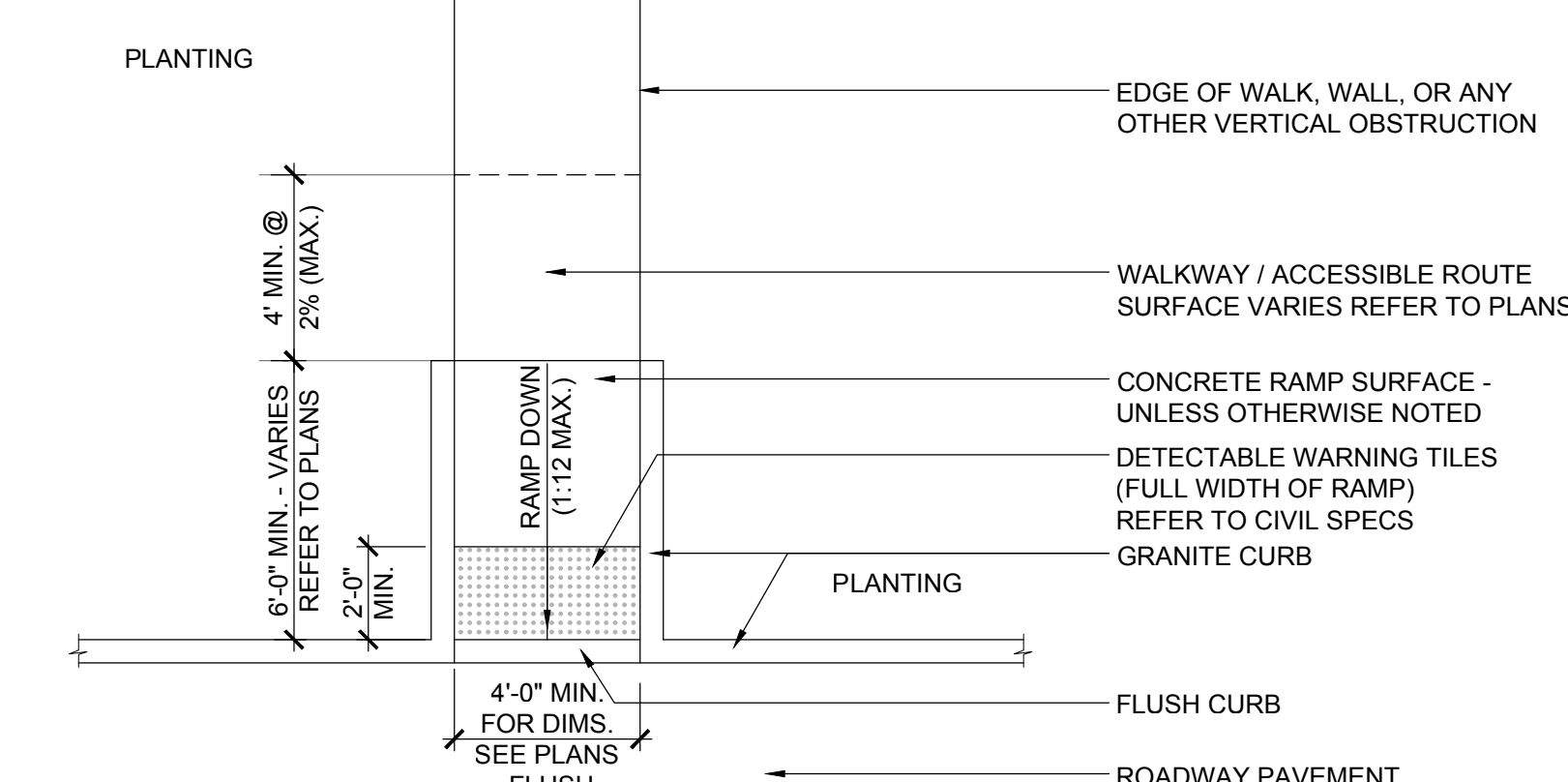
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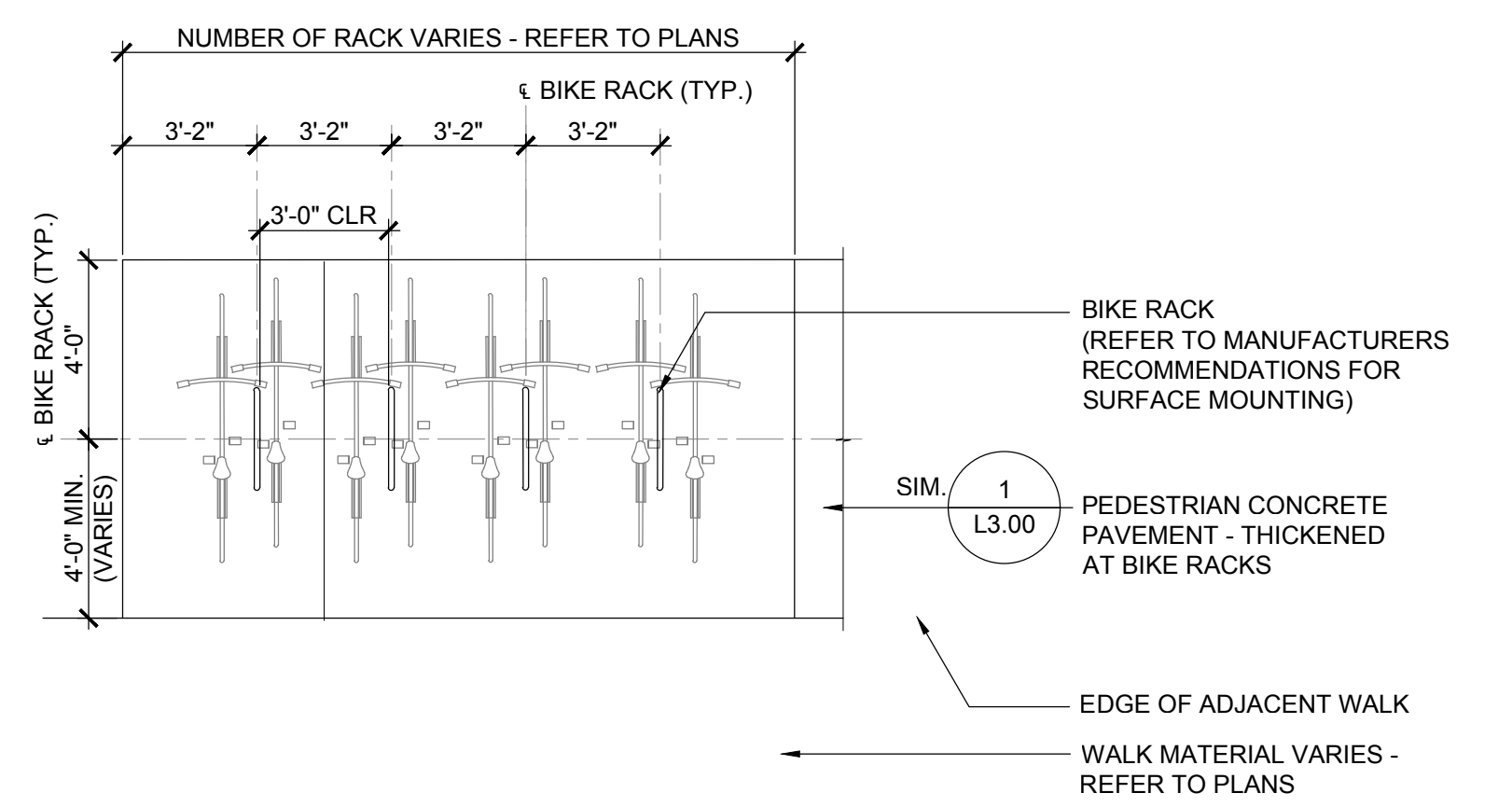
9 CURB CUT RAMP TYPE 1
SCALE: 1/4" = 1'-0"



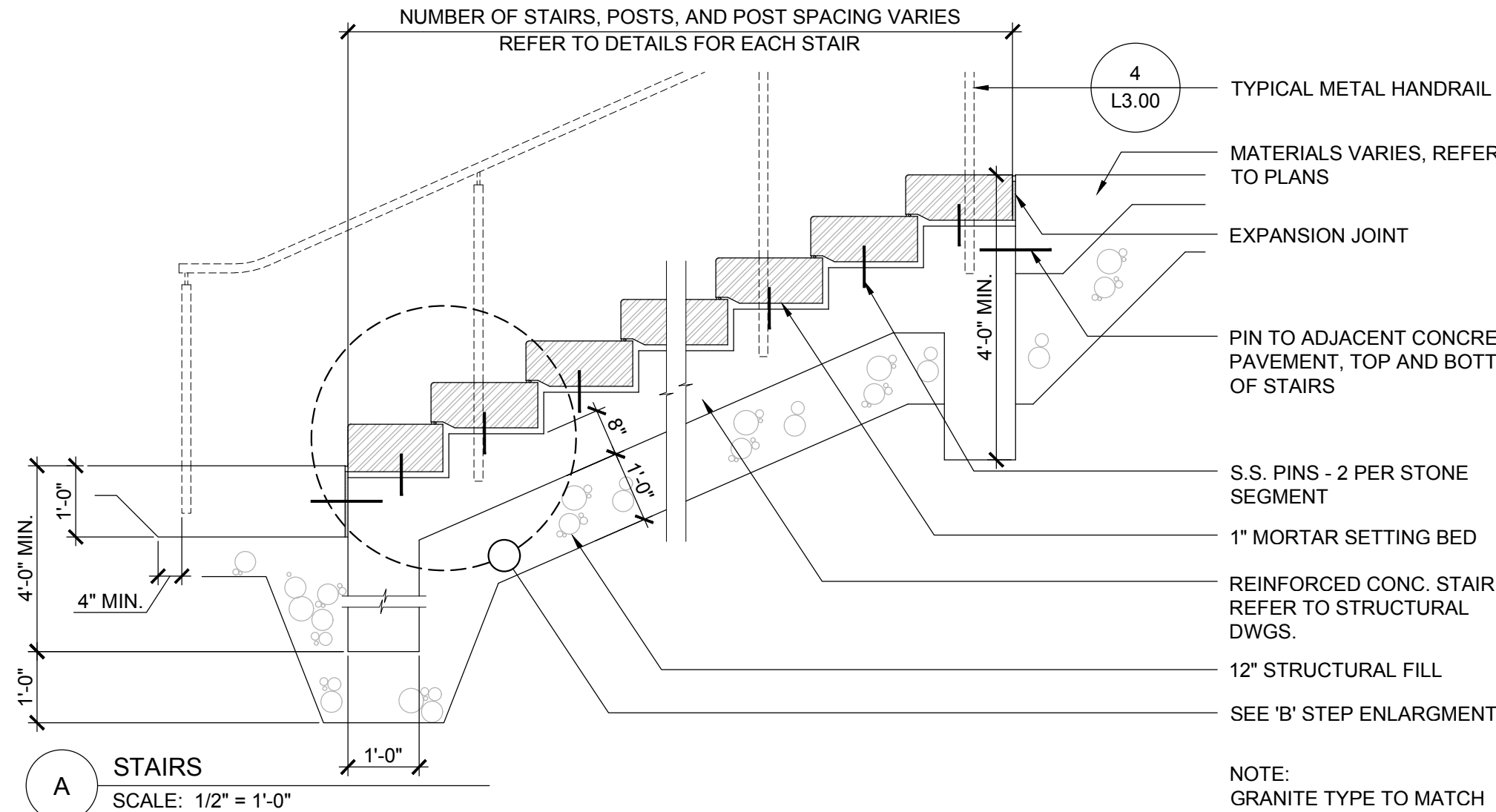
10 CURB CUT RAMP TYPE 2
SCALE: 1/4" = 1'-0"



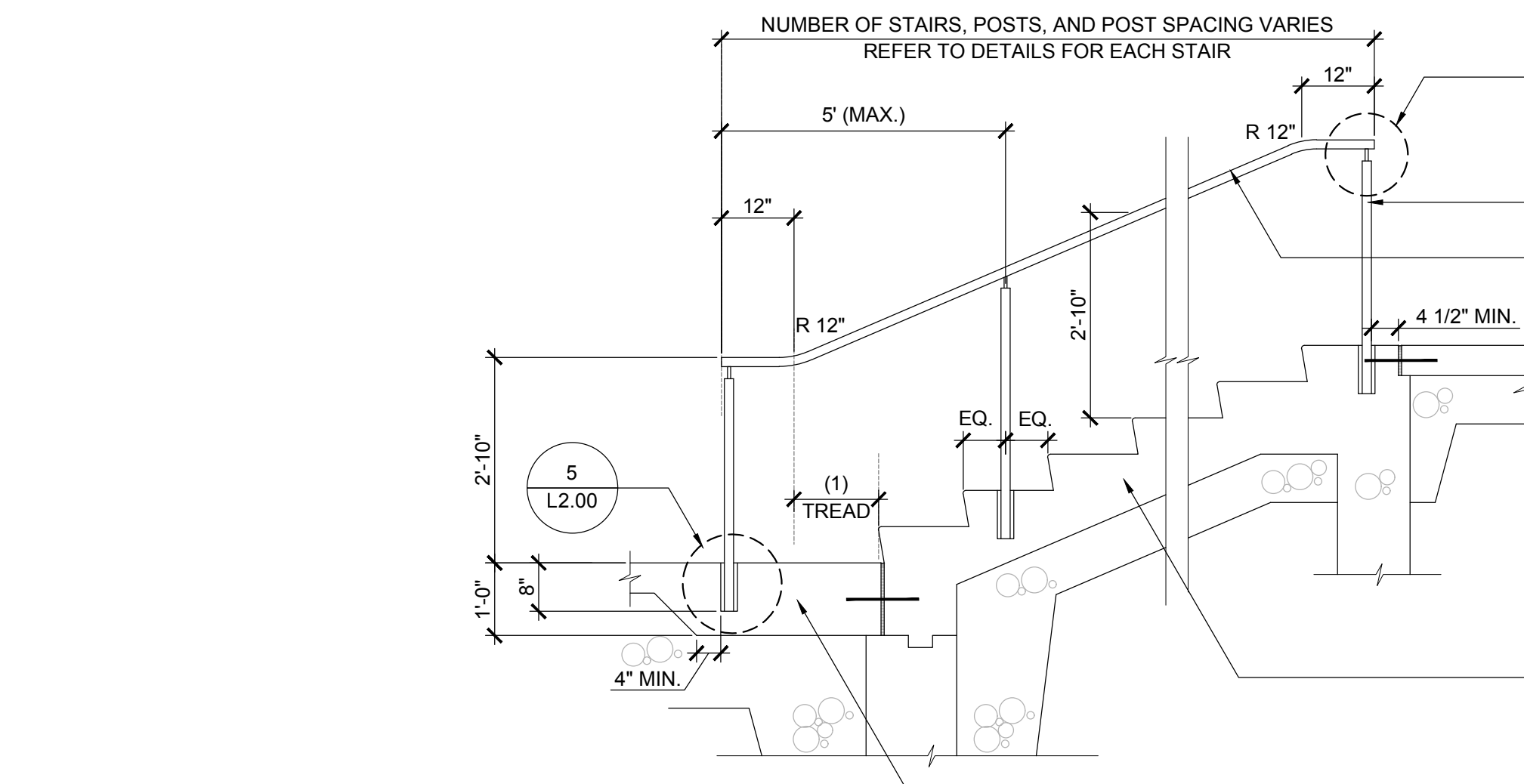
11 CURB CUT RAMP TYPE 3
SCALE: 1/4" = 1'-0"



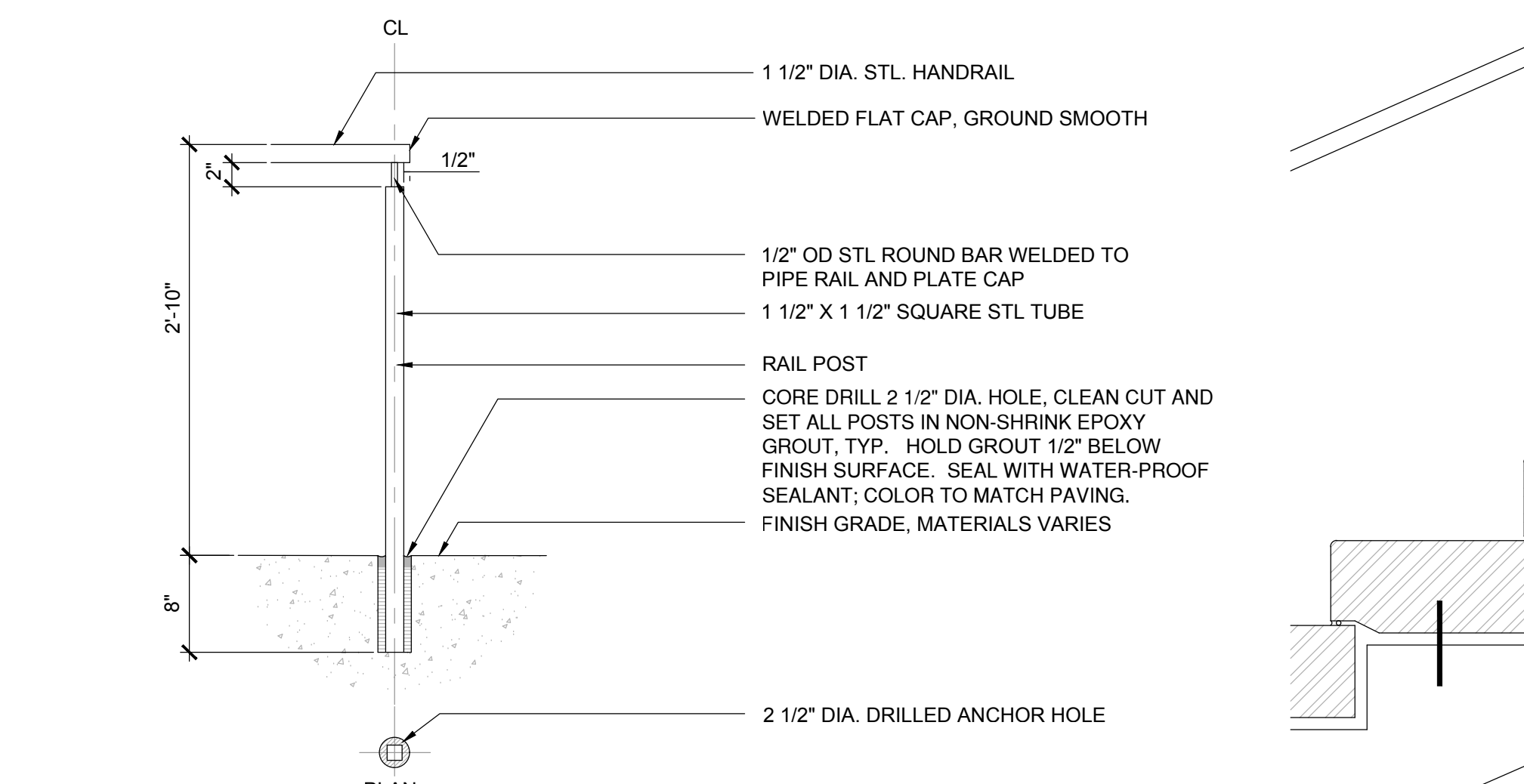
12 PLAN - BICYCLE PARKING
SCALE: 1/4" = 1'-0"



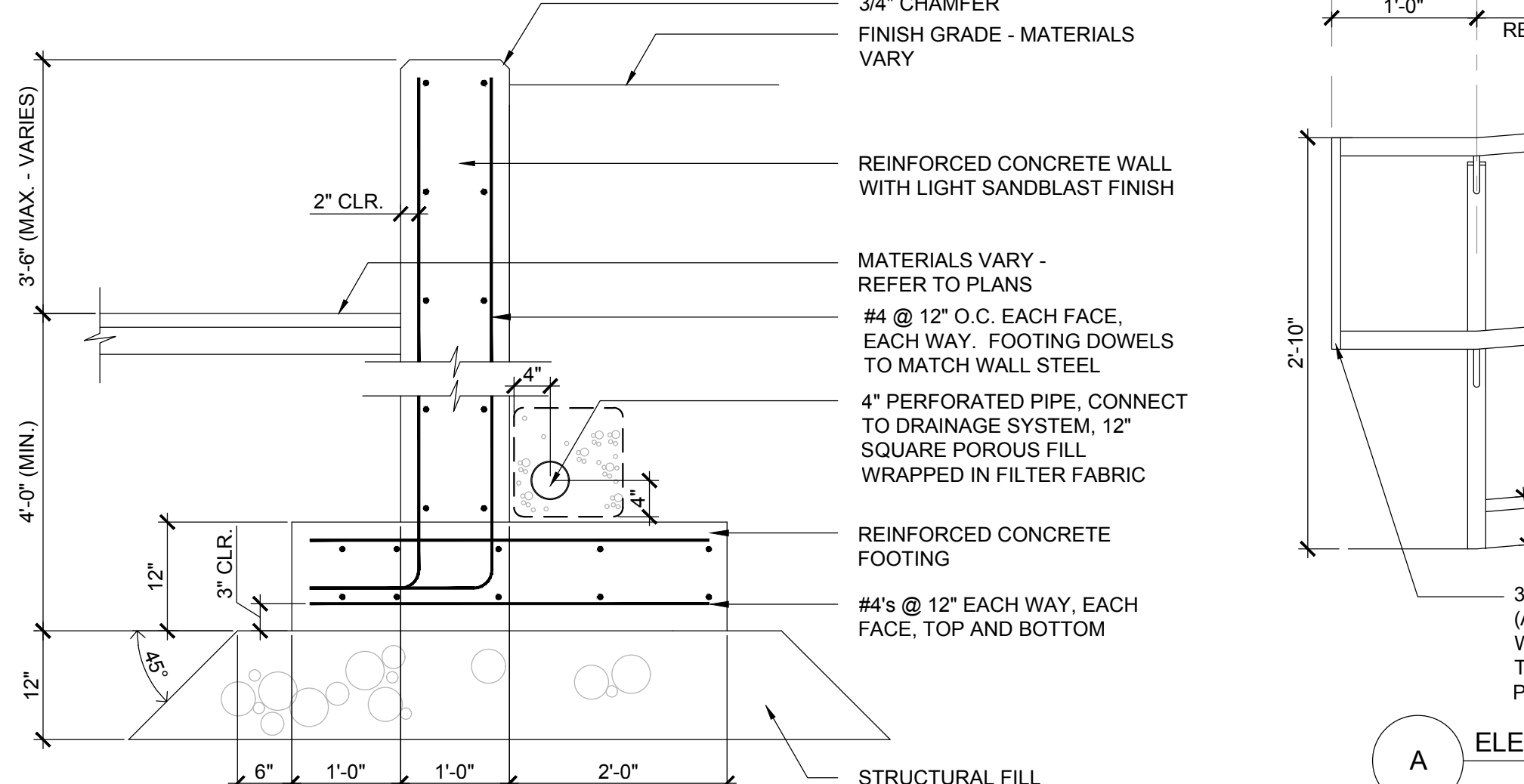
3 STAIRS
SCALE: 1/2" = 1'-0"



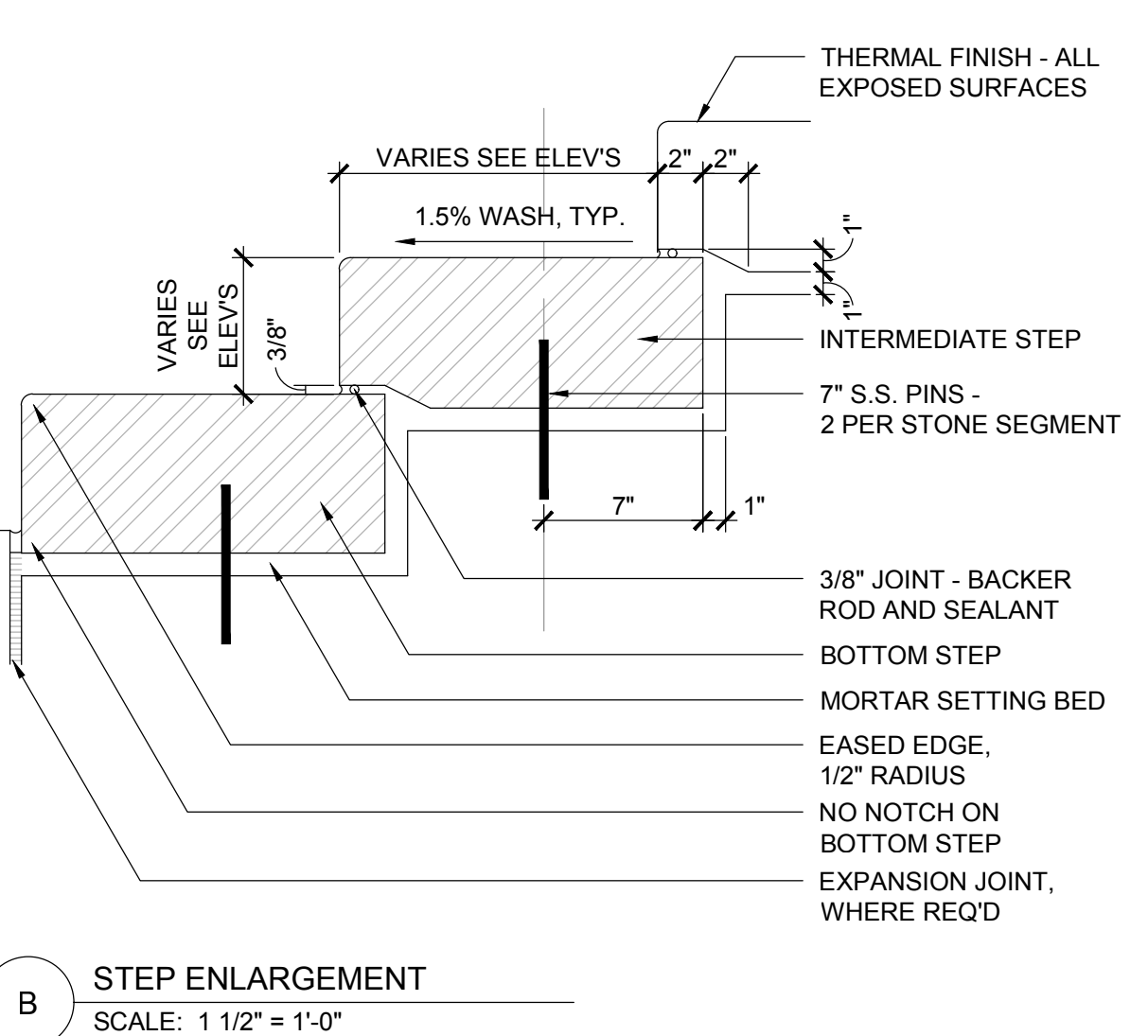
4 TYPICAL METAL HANDRAIL
SCALE: 1/2" = 1'-0"



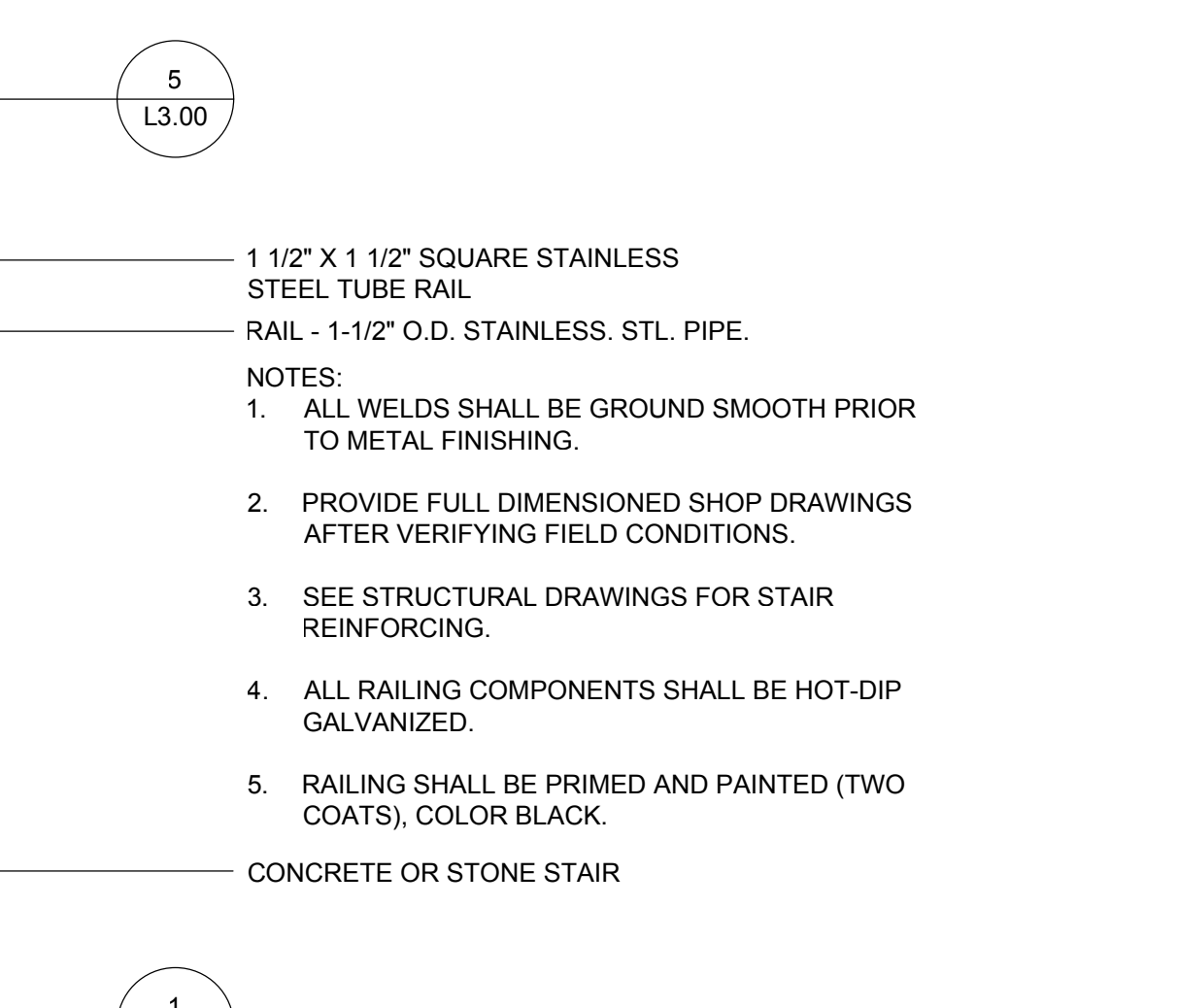
5 POST ELEVATION - IN PAVING MOUNT
SCALE: 1" = 1'-0"



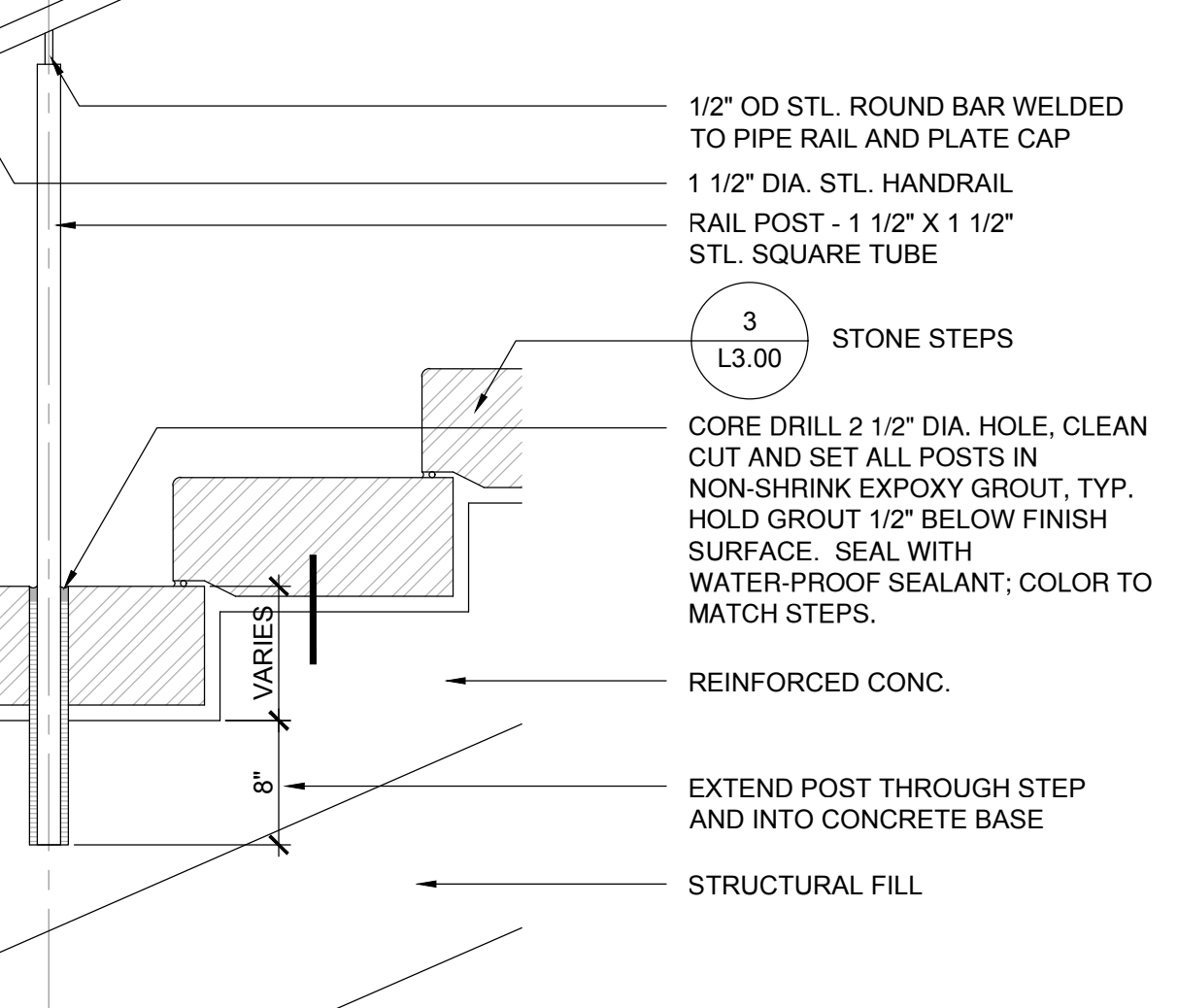
8 TYPICAL CONCRETE RETAINING WALL
SCALE: 3/4" = 1'-0"



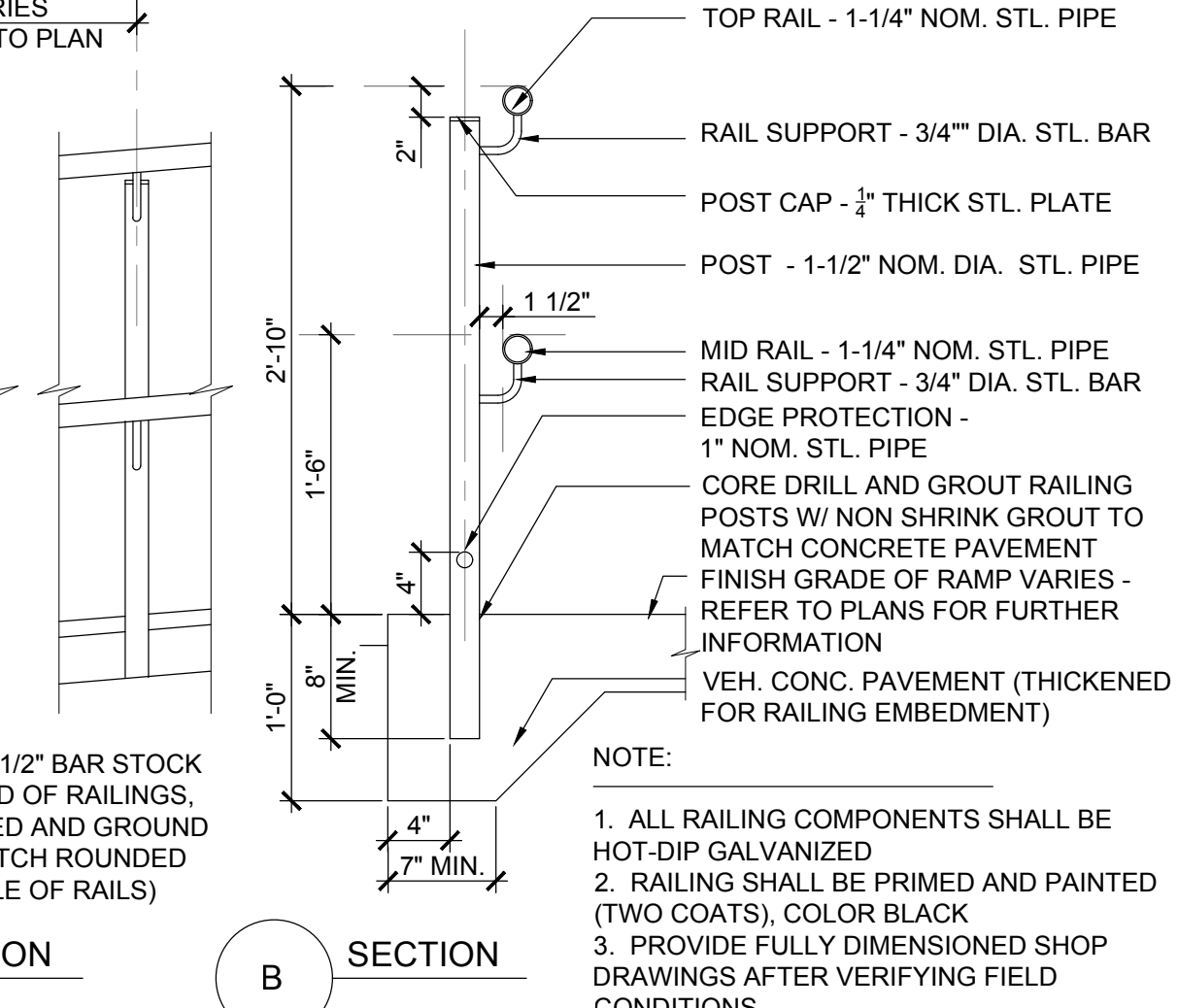
B STEP ENLARGEMENT
SCALE: 1 1/2" = 1'-0"



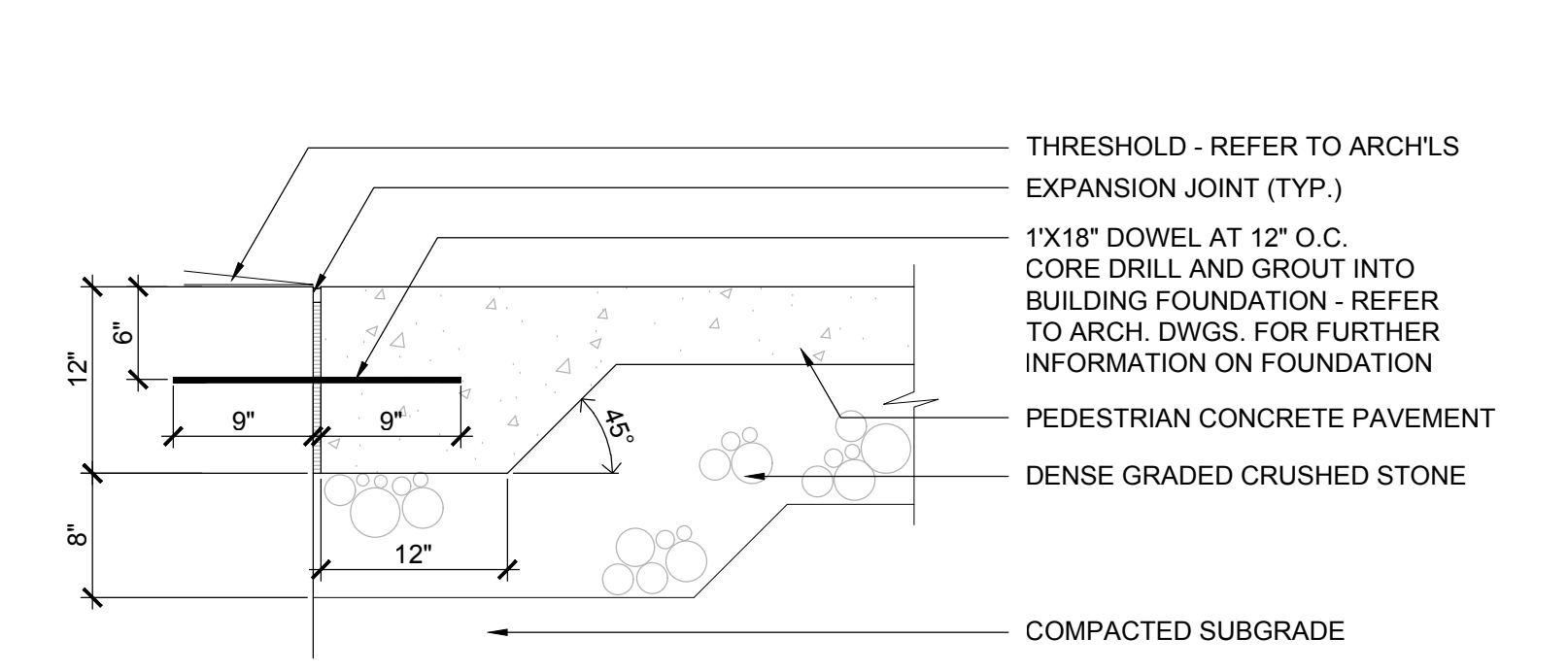
5 PEDESTRIAN CONCRETE PAVEMENT - THICKENED HAUNCH FOR HANDRAIL
SCALE: 1/2" = 1'-0"



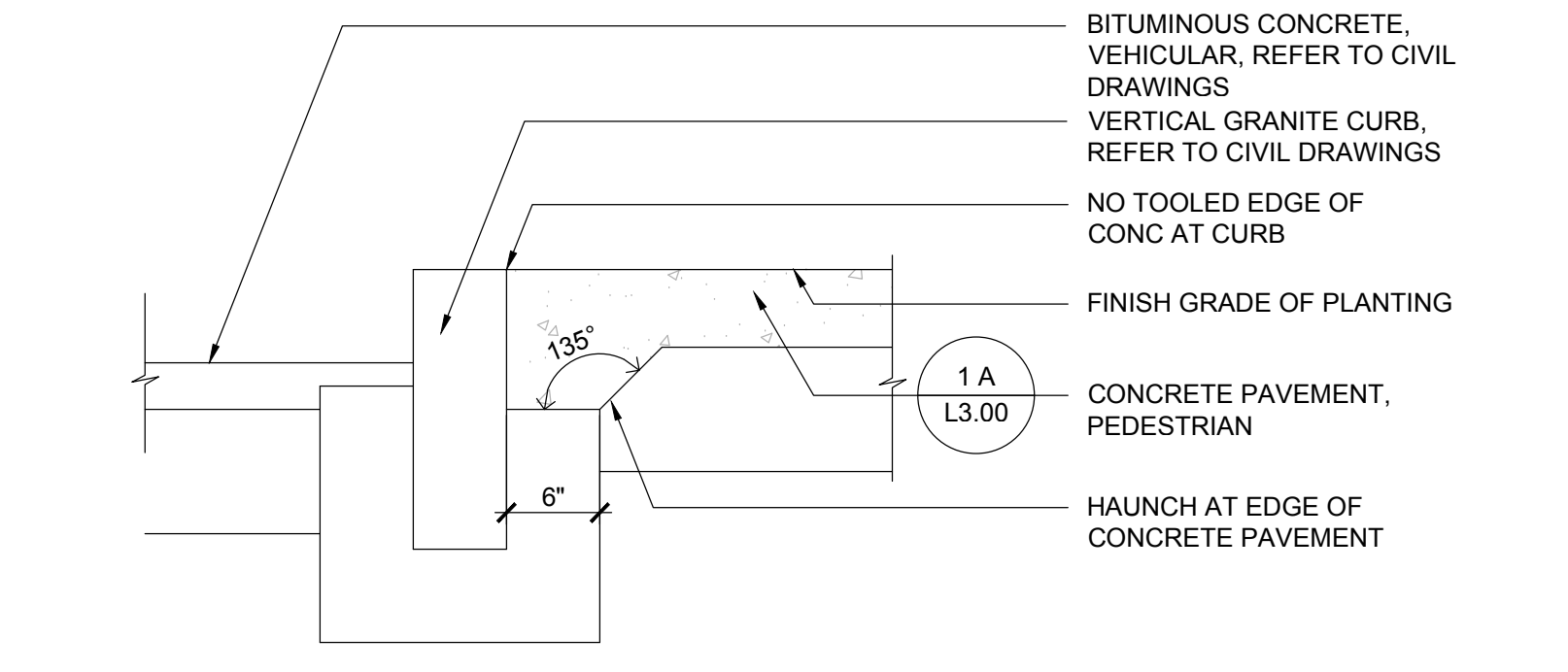
6 POST ELEVATION - STEP MOUNT
SCALE: 1" = 1'-0"



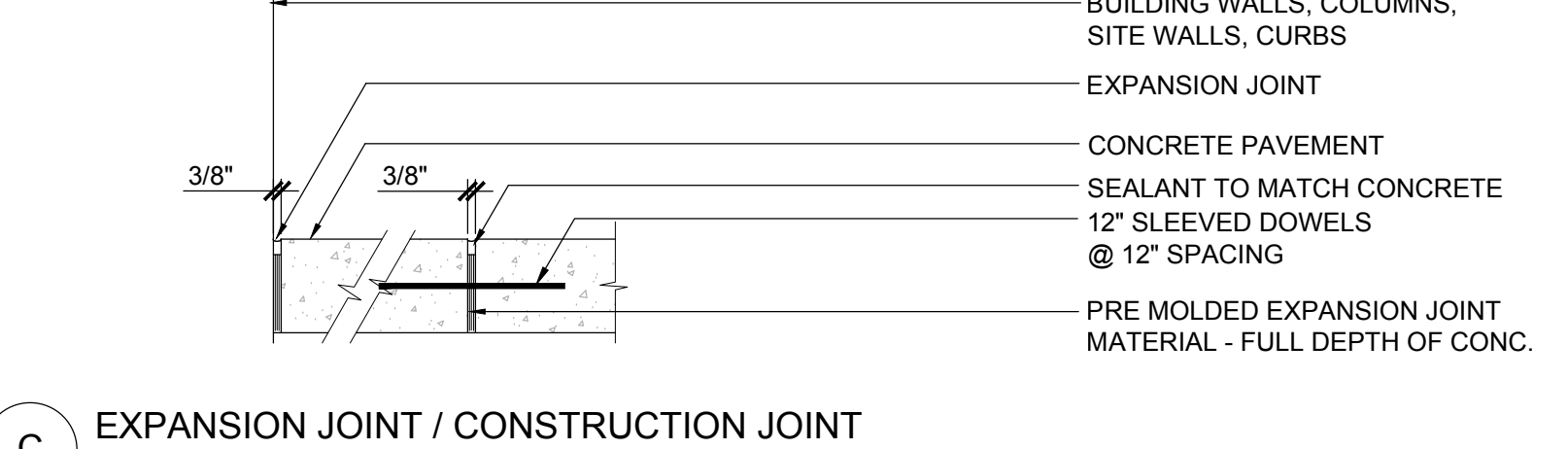
7 CONCRETE RAMP WITH METAL HANDRAILS
SCALE: 1" = 1'-0"



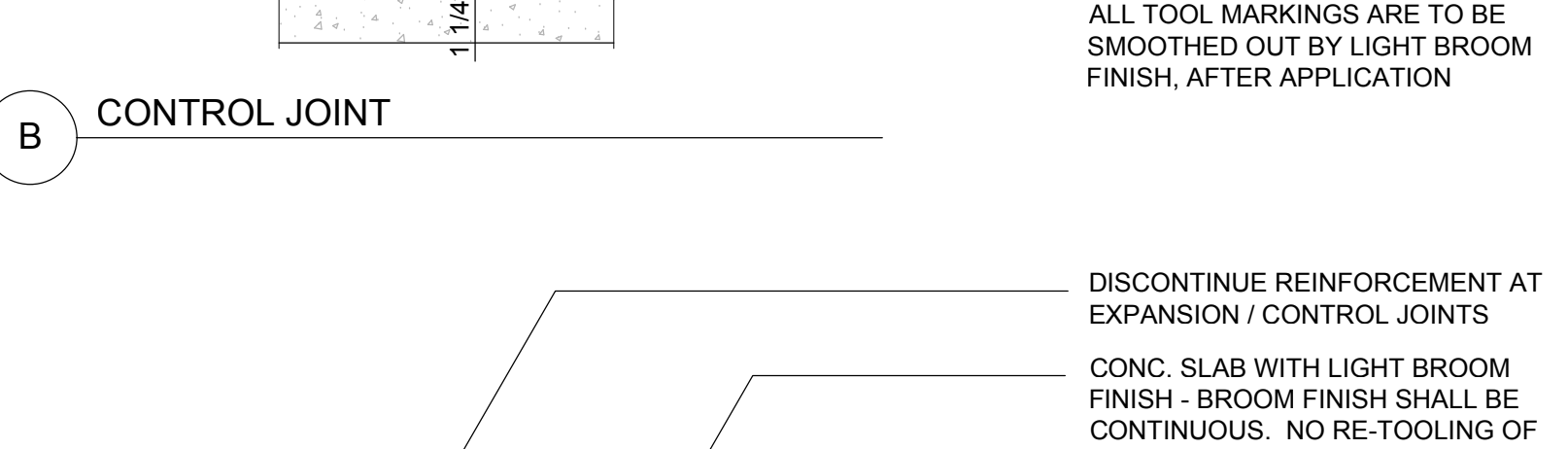
E CONC. PAV. AT DOOR THRESHOLD



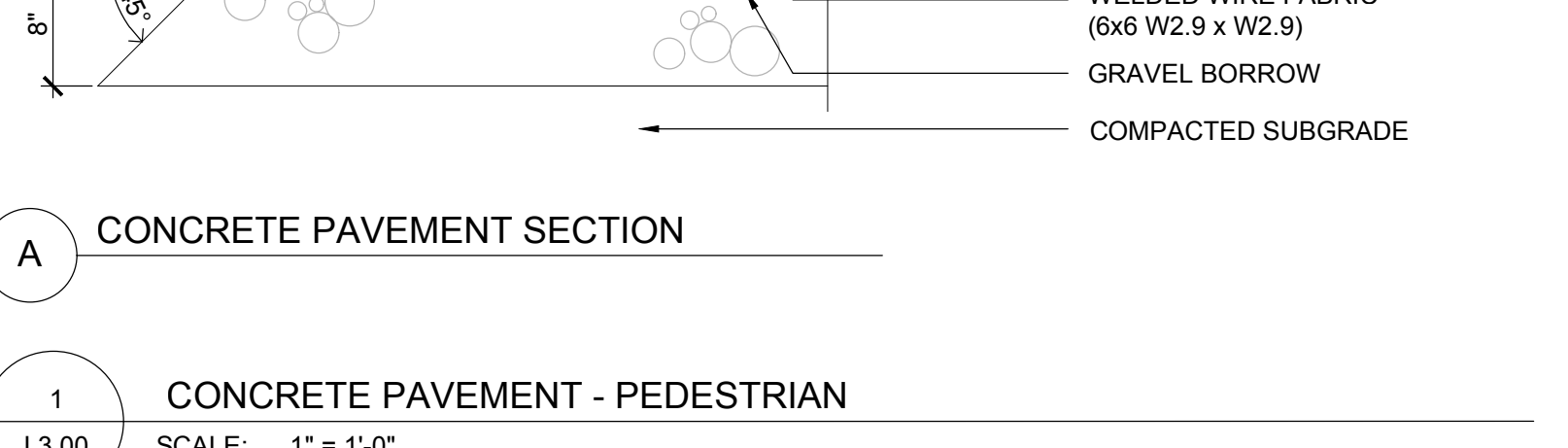
D CURB EDGE



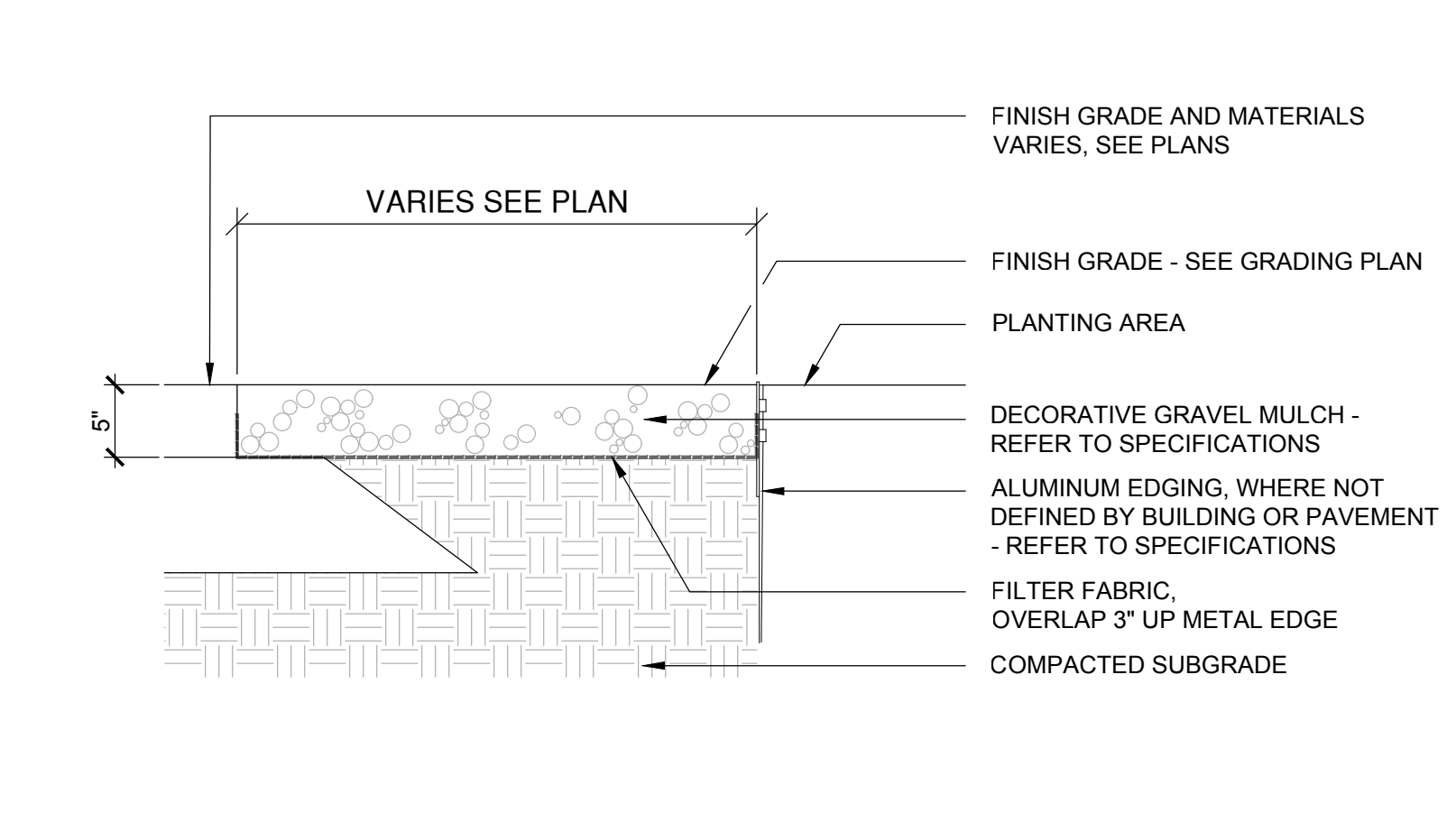
C EXPANSION JOINT / CONSTRUCTION JOINT



B CONTROL JOINT

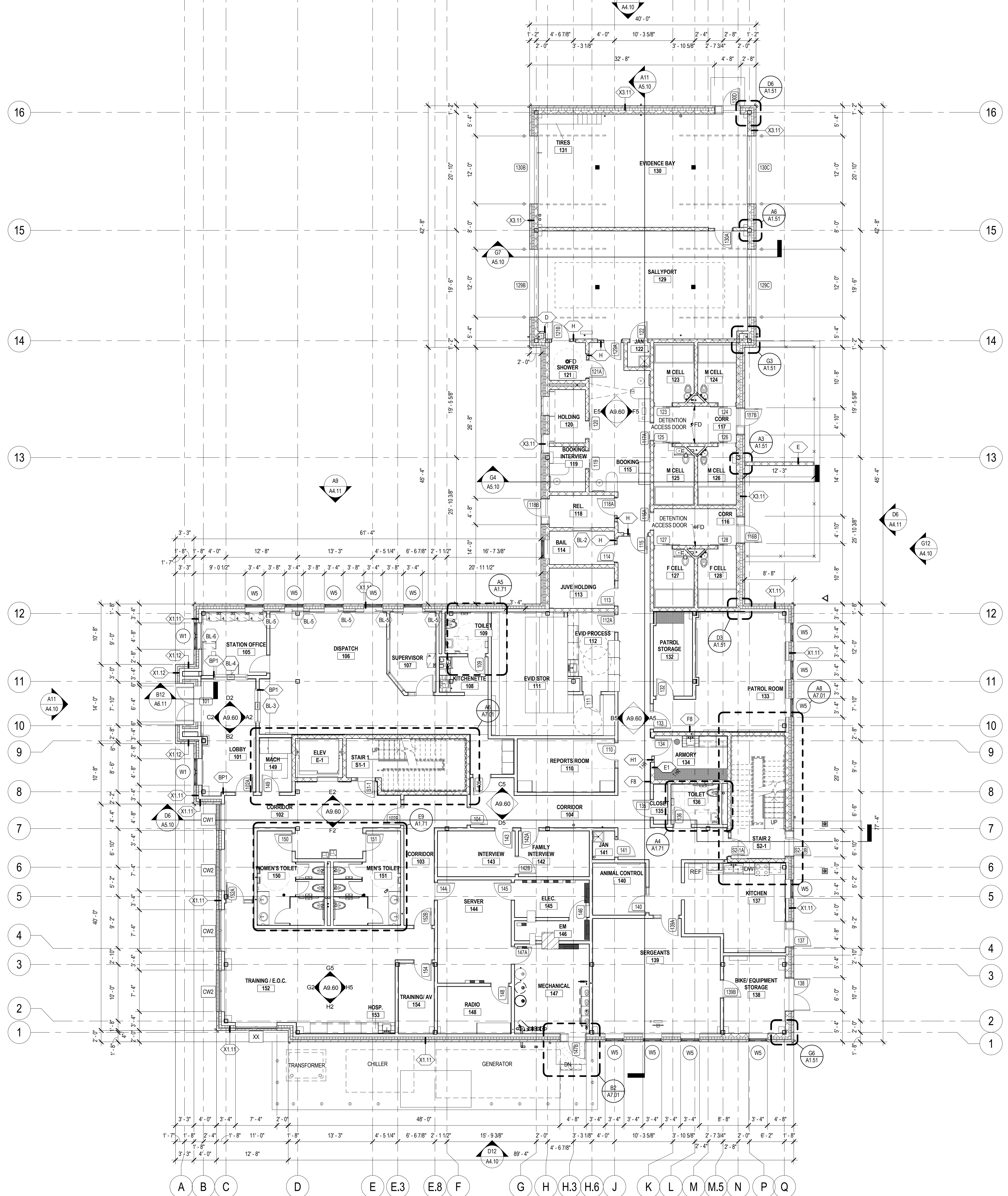


A CONCRETE PAVEMENT - PEDESTRIAN
SCALE: 1" = 1'-0"



2 DECORATIVE GRAVEL
SCALE: 1" = 1'-0"

A B C D E E.3 E.8 F G H H.3 H.6 J K L M M.5 N P Q



- ### PLAN GENERAL NOTES
1. ALL INTERIOR CMU PARTITIONS ARE TYPE "E", UNLESS NOTED OTHERWISE. ALL INTERIOR STUD PARTITIONS ARE TYPE "A", UNLESS NOTED OTHERWISE.
 2. WHERE DOORS, WINDOWS, BORROWED LITES, GRILLES, OR OPENINGS OCCUR IT SHALL BE ASSUMED THAT THE WALL CONSTRUCTION IS THE SAME ABOVE AS ADJACENT, UNLESS NOTED OTHERWISE.
 3. WHERE COLUMN LINES ARE SHOWN INSIDE WALLS AND PARALLEL TO THE WALL, IT SHALL BE ASSUMED THAT THE WALL IS CENTERED ON THE COLUMN LINE UNLESS DIMENSIONED OTHERWISE.
 4. WHERE ENLARGED PLANS ARE INDICATED, REFER TO ENLARGED PLAN SHEET FOR DIMENSIONS, WALL TYPES, AND DETAIL REFERENCES.
 5. REFER TO HORIZONTAL CONTROL PLANS AND STRUCTURAL DRAWINGS FOR SLAB INFORMATION (INCLUDING DEPRESSIONS, EDGE DIMENSIONS, AND SHAFT OPENINGS).



Project No:
14-676

WESTWOOD POLICE DEPARTMENT
590 HIGH STREET
WESTWOOD, MA 02090

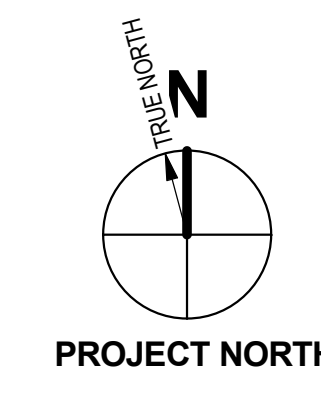
PERMITTING PLANS

REVISION:	Date:
RESPONSE TO COMMENTS	08/13/15

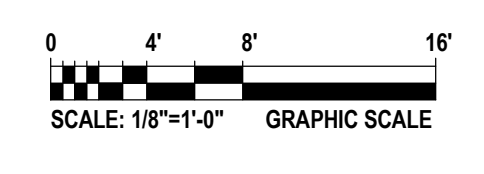
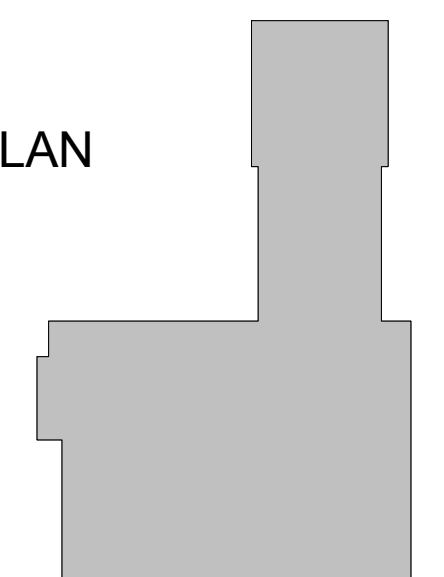
DATE: 08/13/15
SCALE: 1/8" = 1'-0"
DRAWN BY: MW
CHKD BY: SSC

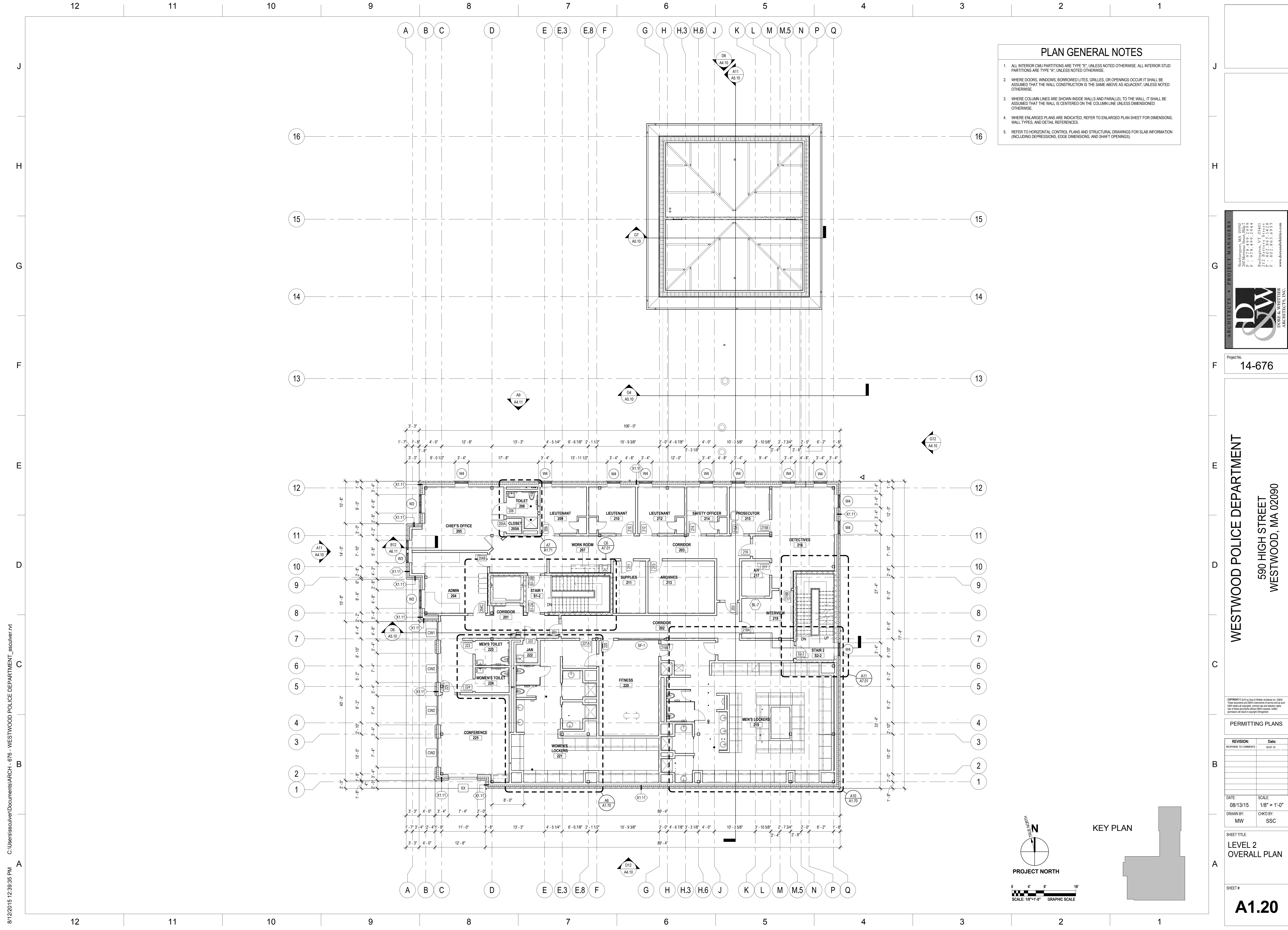
SHEET TITLE:
LEVEL 1 OVERALL PLAN

SHEET #:
A1.10



KEY PLAN





PLAN GENERAL NOTES

1. ALL INTERIOR CMU PARTITIONS ARE TYPE "E", UNLESS NOTED OTHERWISE. ALL INTERIOR STUD PARTITIONS ARE TYPE "A", UNLESS NOTED OTHERWISE.
2. WHERE DOORS, WINDOWS, BORROWED LITES, GRILLES, OR OPENINGS OCCUR IT SHALL BE ASSUMED THAT THE WALL CONSTRUCTION IS THE SAME ABOVE AS ADJACENT, UNLESS NOTED OTHERWISE.
3. WHERE COLUMN LINES ARE SHOWN INSIDE WALLS AND PARALLEL TO THE WALL, IT SHALL BE ASSUMED THAT THE WALL IS CENTERED ON THE COLUMN LINE UNLESS DIMENSIONED OTHERWISE.
4. WHERE ENLARGED PLANS ARE INDICATED, REFER TO ENLARGED PLAN SHEET FOR DIMENSIONS, WALL TYPES, AND DETAIL REFERENCES.
5. REFER TO HORIZONTAL CONTROL PLANS AND STRUCTURAL DRAWINGS FOR SLAB INFORMATION (INCLUDING DEPRESSIONS, EDGE DIMENSIONS, AND SHAFT OPENINGS).

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Project No. **14-676**

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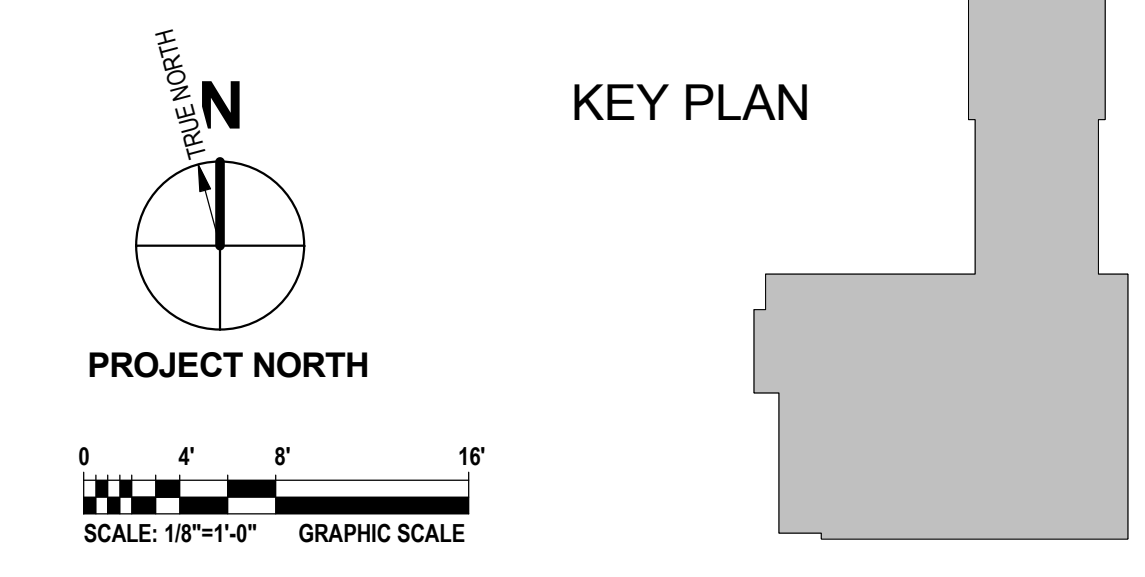
PERMITTING PLANS

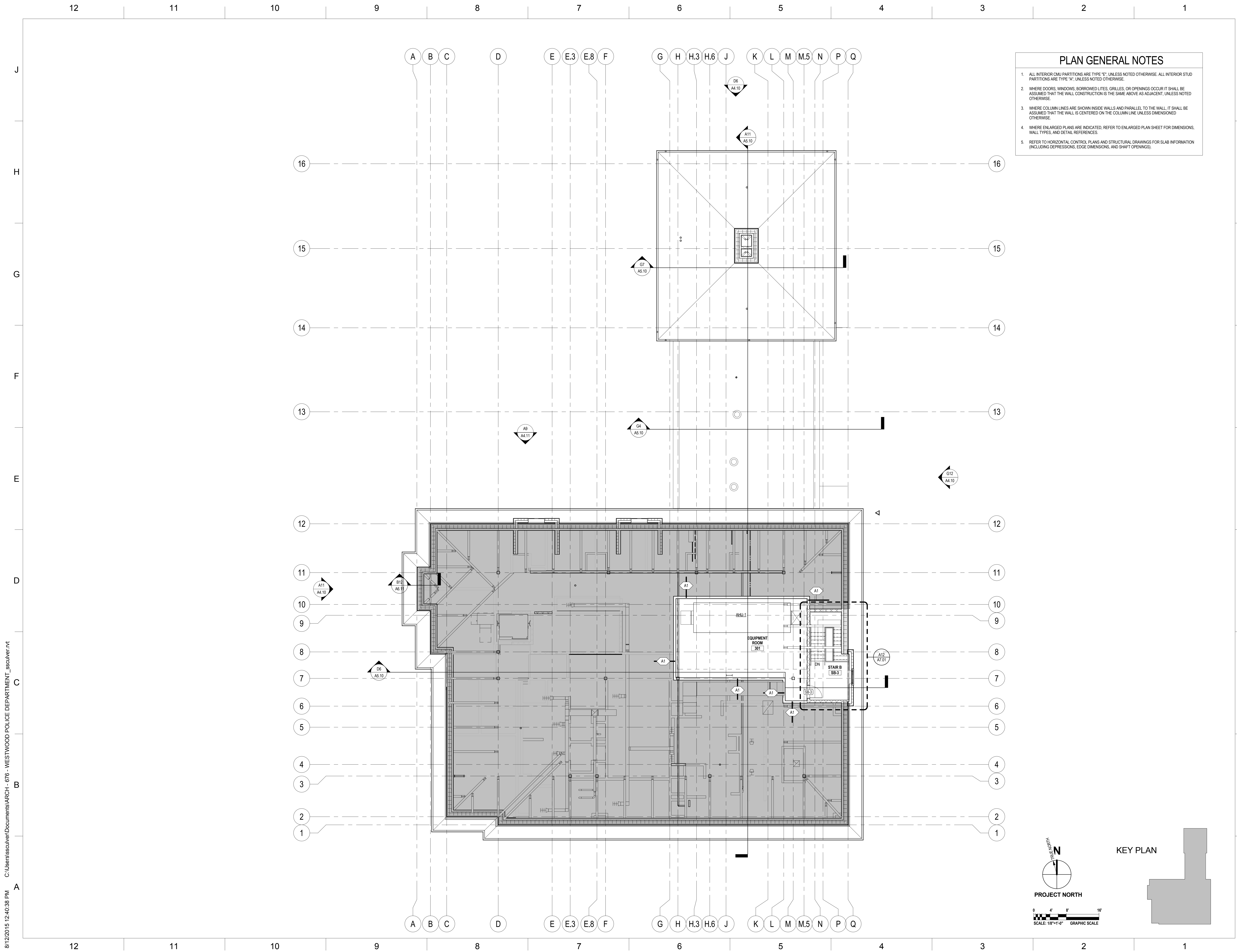
REVISION:	Date:

DATE: 08/13/15
 DRAWN BY: MW
 SCALE: 1/8" = 1'-0"
 CHKD BY: SSC

SHEET TITLE:
LEVEL 2 OVERALL PLAN

SHEET #:
A1.20





- ### PLAN GENERAL NOTES
1. ALL INTERIOR CMU PARTITIONS ARE TYPE "E", UNLESS NOTED OTHERWISE. ALL INTERIOR STUD PARTITIONS ARE TYPE "M", UNLESS NOTED OTHERWISE.
 2. WHERE DOORS, WINDOWS, BORROWED LITES, GRILLES, OR OPENINGS OCCUR IT SHALL BE ASSUMED THAT THE WALL CONSTRUCTION IS THE SAME ABOVE AS ADJACENT, UNLESS NOTED OTHERWISE.
 3. WHERE COLUMN LINES ARE SHOWN INSIDE WALLS AND PARALLEL TO THE WALL, IT SHALL BE ASSUMED THAT THE WALL IS CENTERED ON THE COLUMN LINE UNLESS DIMENSIONED OTHERWISE.
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 5. REFER TO HORIZONTAL CONTROL PLANS AND STRUCTURAL DRAWINGS FOR SLAB INFORMATION (INCLUDING DEPRESSIONS, EDGE DIMENSIONS, AND SHAFT OPENINGS).

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Project No. **14-676**

WESTWOOD POLICE DEPARTMENT
590 HIGH STREET
WESTWOOD, MA 02090

PERMITTING PLANS

REVISION:	Date:

DATE: 08/13/15
DRAWN BY: MW
SCALE: 1/8" = 1'-0"
CHKD BY: SSC

SHEET TITLE:
**LEVEL 3
OVERALL PLAN**

SHEET #:
A1.30

8/12/2015 12:40:38 PM C:\Users\sculler\Documents\ARCH - 676 - WESTWOOD POLICE DEPARTMENT_sculver.rvt

ROOF PLAN GENERAL NOTES

LOW SLOPE MEMBRANE ROOFS
 ALL ROOF AREAS SHALL BE ROOFING SYSTEM TYPE "R1" UNLESS SPECIFICALLY INDICATED AS OTHERWISE.
 REFER TO SHEET A3.50 FOR DETAILED DESCRIPTIONS OF ROOF SYSTEM TYPES.

UNDERSIDE OF DECK (UOD) ELEVATIONS INDICATED ARE THEORETICAL ELEVATIONS PROVIDED AT STRUCTURAL COLUMN GRID INTERSECTIONS. UNLESS SPECIFICALLY INDICATED AS OTHERWISE.

THE ROOFING AREAS SHALL FEATURE PLANAR SLOPE TOWARD DRAINS OF A MINIMUM 1/4" INCH VERTICAL IN 12 INCHES HORIZONTAL DISTANCE. PROVIDE TAPERED INSULATION OR SHIMS TO MAINTAIN MINIMUM SLOPE AND AVOID PONDING.

PROVIDE TAPERED INSULATION AND/OR CRICKETS AT THE UPSLOPE SIDE OF ALL CURBS AND OTHER OBSTRUCTIONS TO DRAINAGE SLOPES, INCLUDING BUT NOT LIMITED TO CURBS FOR MECHANICAL EQUIPMENT, SKYLIGHTS, ACCESS HATCHES, AND SMOKE HATCHES.

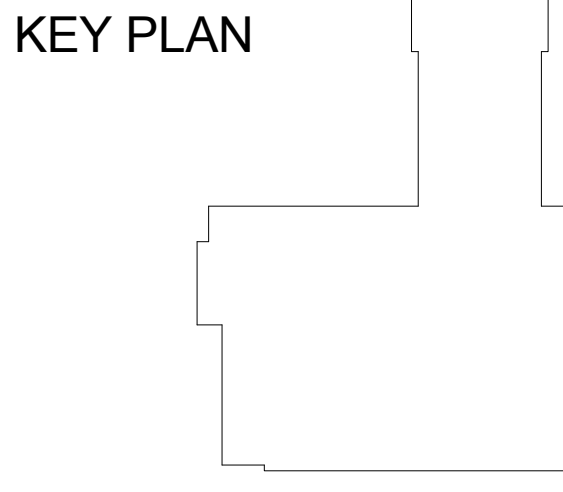
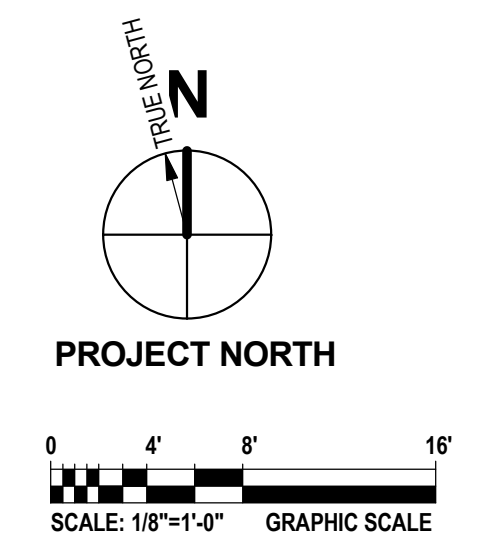
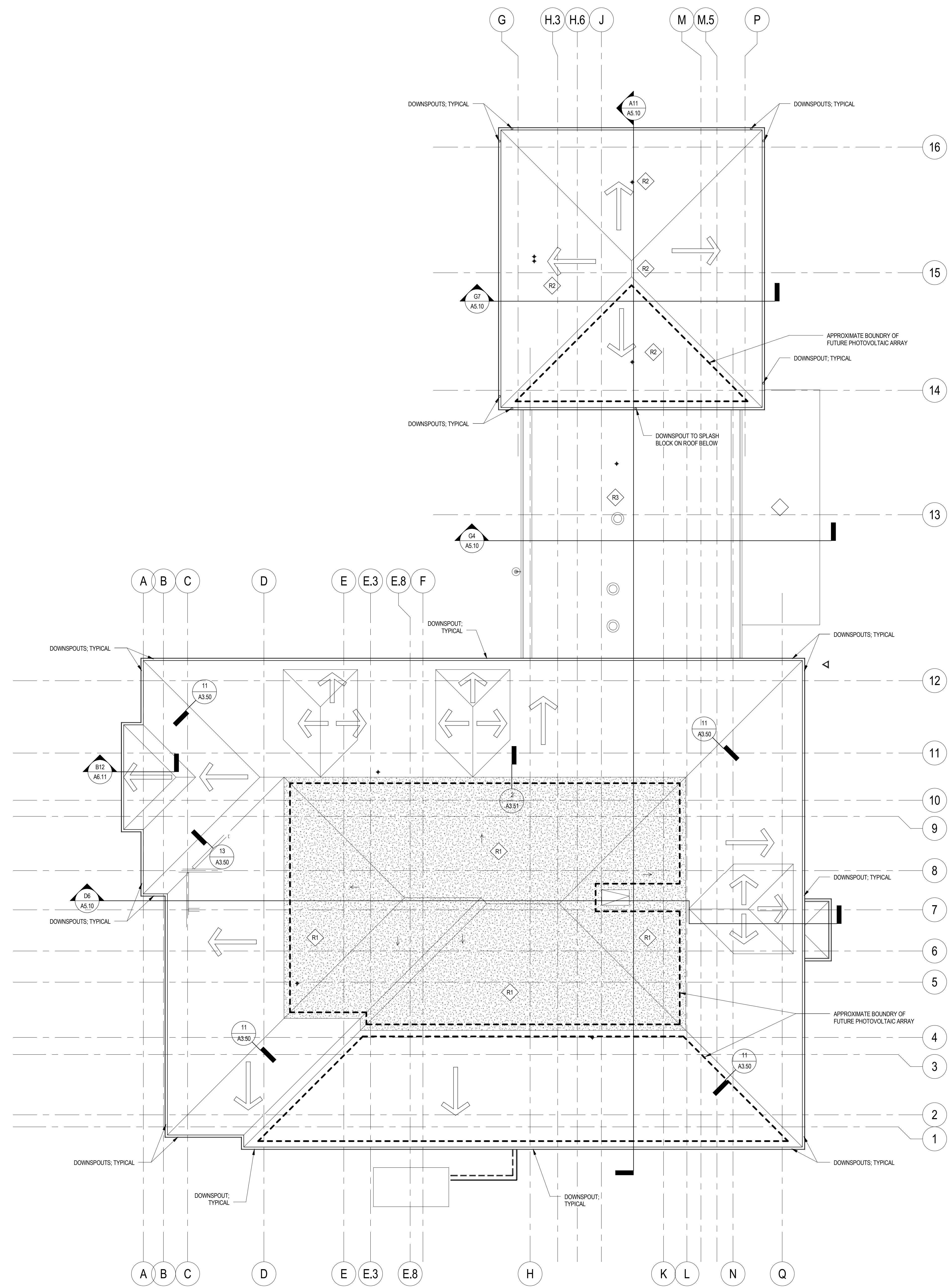
PROVIDE ROOF WALK PADS AT EACH ROOF ACCESS POINT (ADJACENT TO ROOF HATCHES AND BOTTOM AND TOP OF ALL LADDERS), AND AROUND ALL ROOFTOP EQUIPMENT WHETHER SHOWN IN DRAWINGS OR NOT.

DETAIL REFERENCES MAY NOT BE INDICATED FOR EACH OCCURRENCE OF ROOF PENETRATIONS OR ROOF MOUNTED EQUIPMENT. REFER TO THE ROOF LEGEND FOR ITEMS SHOWN ON THE ROOF PLAN, AND TO TYPICAL ROOF DETAILS AT SHEET A3.50 THAT ARE APPLICABLE TO THE WORK OF THIS PROJECT.

ROOFING SYSTEMS SHALL COMPLY WITH WIND LOAD AND PERFORMANCE REQUIREMENTS FOR ROOF COVERINGS, FASTENINGS, JOINT SEAM TREATMENTS, AND OTHER INSTALLATION DETAILS SHALL MEET MANUFACTURER'S REQUIREMENTS TO SATISFY CODE AND MEET WARRANTY REQUIREMENTS.

ROOF LEGEND

	ROOF DRAIN W/ INSULATION SUMP. SEE PLUMBING DWGS.
	DIRECTION OF SLOPING STRUCTURE (FLAT INSULATION AREA)
	DIRECTION OF SLOPE AT TAPERED INSULATION (MIN. 1/4"=1'-0")
	ROOF ACCESS HATCH
	TAPERED INSULATION (MIN. SLOPE = 1/4"=1'-0")
	WALKWAY PADS
	EXPANSION JOINT
	ROOF HYDRANT
	ROOF HYDRANT. SEE FIRE PROTECTION DRAWINGS.
	EQUIPMENT SCREEN. REFER TO A3.51 FOR SEGMENT HEIGHTS. ROOF TOP EQUIPMENT SCREEN.
	VENT THROUGH ROOF. COORDINATE LOCATION W/ PLUMBING DRAWINGS. SEE TYPICAL FLASHING DETAILS @ SHEET A3.51
	EXHAUST FAN WITH CURB. COORDINATE LOCATION WITH HVAC DRAWINGS. SEE TYPICAL FLASHING DETAILS @ SHEET A3.51
	ROOF HOOD GRAVITY VENT WITH CURB. COORDINATE LOCATION WITH HVAC DRAWINGS. SEE TYPICAL FLASHING DETAILS @ SHEET A3.51
	CONDENSING UNIT ON PROTECTED WOOD SLEEPERS, WITH PITCH POCKET PIPE PENETRATION. COORDINATE LOCATION WITH HVAC DRAWINGS. SEE TYPICAL FLASHING DETAILS @ SHEET A3.51
	AIR HANDLING UNIT ON CURBS. COORDINATE LOCATION WITH HVAC DRAWINGS. SEE TYPICAL FLASHING DETAILS @ SHEET A3.51
	HVAC PIPING PENETRATION @ ROOF. COORDINATE LOCATION, SIZE, AND TYPE WITH HVAC DRAWINGS. SEE TYPICAL FLASHING DETAILS @ SHEET A3.50



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DW
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 ARCHITECTS, INC.

Project No.
14-676

WESTWOOD POLICE DEPARTMENT
 590 HIGH STREET
 WESTWOOD, MA 02090

PERMITTING PLANS

REVISION:	Date:
RESPONSE TO COMMENTS:	10/01/15

DATE: 08/13/15
 SCALE: 1/8" = 1'-0"
 DRAWN BY: VFM
 CHKD BY: MAM

SHEET TITLE:
ROOF PLAN

SHEET #:
A3.10

EXTERIOR ELEVATION GENERAL NOTES

EXTERIOR ELEVATIONS ARE PROVIDED TO SHOW THE GENERAL ARRANGEMENT OF EXTERIOR WALL FINISH MATERIALS. REFER TO WALL SECTIONS AND DETAILS FOR DETAILED DESCRIPTION OF CONSTRUCTION.

LINE OF GRADE INDICATED IS APPROXIMATE - REFER TO CIVIL / LANDSCAPE GRADING PLANS FOR GRADING INFORMATION.

WHERE PORTIONS OF ELEVATIONS ARE OBSCURED FROM VIEW BY FREESTANDING COLUMNS, FASCIA, ROOF EDGES, OR OTHER PROJECTING CONSTRUCTION, THE CONTRACTOR SHALL ASSUME THAT THE ADJACENT WALL FINISHES EXTEND INTO THE AREAS OBSCURED FROM VIEW, UNLESS SPECIFICALLY INDICATED AS OTHERWISE IN BUILDING AND WALL SECTIONS.

DIMENSIONAL INFORMATION PROVIDED RELATIVE TO MASONRY VENEER IS BASED ON NOMINAL FULL INCH MASONRY COURSING.

REFER TO ROOF PLAN FOR DESCRIPTION OF ROOFING SYSTEMS AND MATERIALS.

REFER TO CURTAIN-WALL TYPES AND DETAILS FOR INFORMATION RELATED TO CURTAIN-WALL, INSTALLATION, AND TRIM AT OPENINGS.

REFER TO WINDOW TYPES AND DETAILS FOR INFORMATION RELATED TO WINDOWS, INSTALLATION, AND TRIM AT OPENINGS.

REFER TO LOUVER TYPES AND DETAILS FOR INFORMATION RELATED TO LOUVER OPENINGS, SIZES, INSTALLATION, AND TRIM AT OPENINGS.

REFER TO BUILDING AND WALL SECTIONS FOR HEIGHT OF MASONRY COURSING AND TOP OF MASONRY ELEVATIONS.

PROVIDE MASONRY VENEER CONTROL JOINTS WHERE INDICATED IN ELEVATIONS. IN ADDITION, PROVIDE CONTROL JOINTS AT THE FOLLOWING LOCATIONS:

- ON ONE SIDE OF AN OUTWARD BUILDING CORNER WITHIN 2'-4" OF THE CORNER.
- AT EACH INWARD BUILDING CORNER.
- WHERE THE HEIGHT OF THE FACADE MASONRY VENEER CHANGES.

WHERE THE METHOD OF SUPPORT FOR MASONRY VENEER CHANGES, SUCH AS AT ENDS OF RELIEVING ANGLES OR STRUCTURAL LINTELS SUPPORTED FROM ROOF STRUCTURE.

ON UNINTERRUPTED SPANS OF MASONRY VENEER AT MAXIMUM 24'-0" SPACING.

SEALANT AND BACKER ROD AT MASONRY VENEER CONTROL JOINTS SHALL BE PROVIDED AND INSTALLED BY THE WATERPROOFING / JOINT SEALANT SUB-CONTRACTOR.

WHERE LOOSE LINTELS CROSS EXPANSION JOINTS, PROVIDE BOND-BREAK FABRIC WRAP OF LINTEL END AT PORTION OF LINTEL EXTENDING PAST CONTROL JOINT.

WHERE MASONRY VENEER MATERIAL CHANGES OCCUR, INCLUDING FROM BRICK TO CMU OR PRECAST CONCRETE, PROVIDE A BOND BREAK SEPARATOR BETWEEN COURSES.

ELEVATIONS MAY NOT SHOW ALL BUILDING FEATURES WITH CLARITY, SUCH AS REGLET COUNTER-FLASHINGS AND TERMINATION BARS WHERE ROOF MEMBRANE FLASHINGS TERMINATE ON SIDE WALLS. REFER TO WALL SECTION AND ROOF EDGE DETAILS FOR DETAILS AND INFORMATION RELATED TO THESE CONDITIONS.



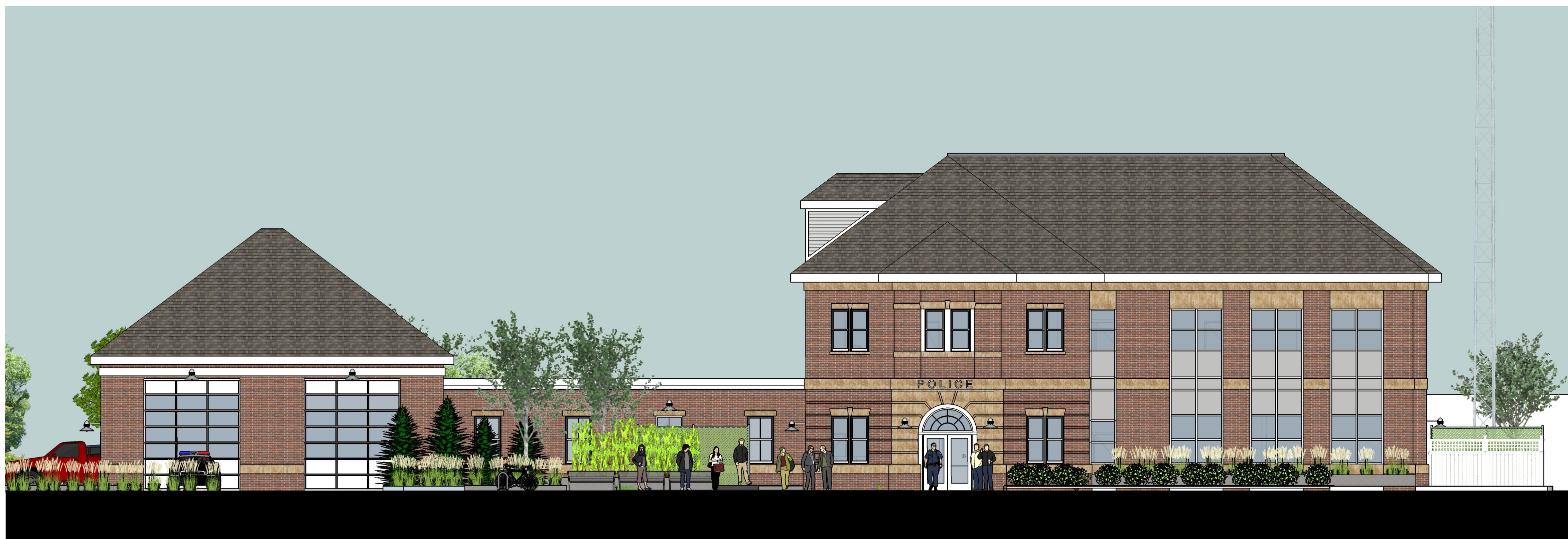
G12 OVERALL EXTERIOR ELEVATION - EAST
1/8" = 1'-0"



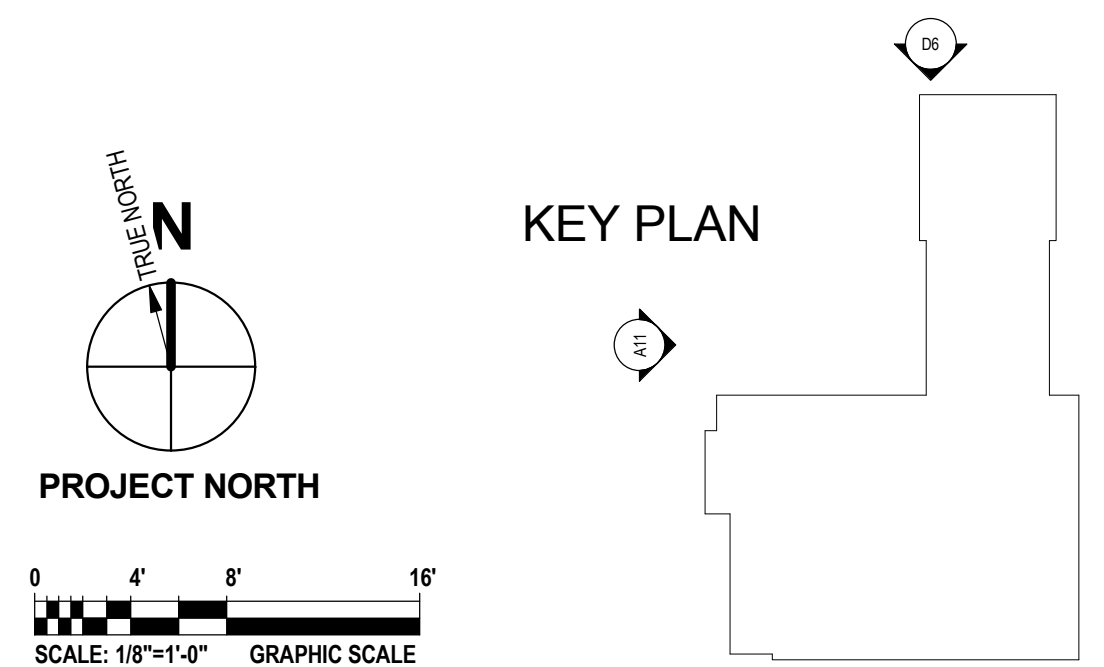
D12 OVERALL EXTERIOR ELEVATION - SOUTH
1/8" = 1'-0"



D6 OVERALL EXTERIOR ELEVATION - NORTH
1/8" = 1'-0"



A11 OVERALL EXTERIOR ELEVATION - WEST
1/8" = 1'-0"



ARCHITECTS • PROJECT MANAGERS

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Project No. 14-676

WESTWOOD POLICE DEPARTMENT
590 HIGH STREET
WESTWOOD, MA 02090

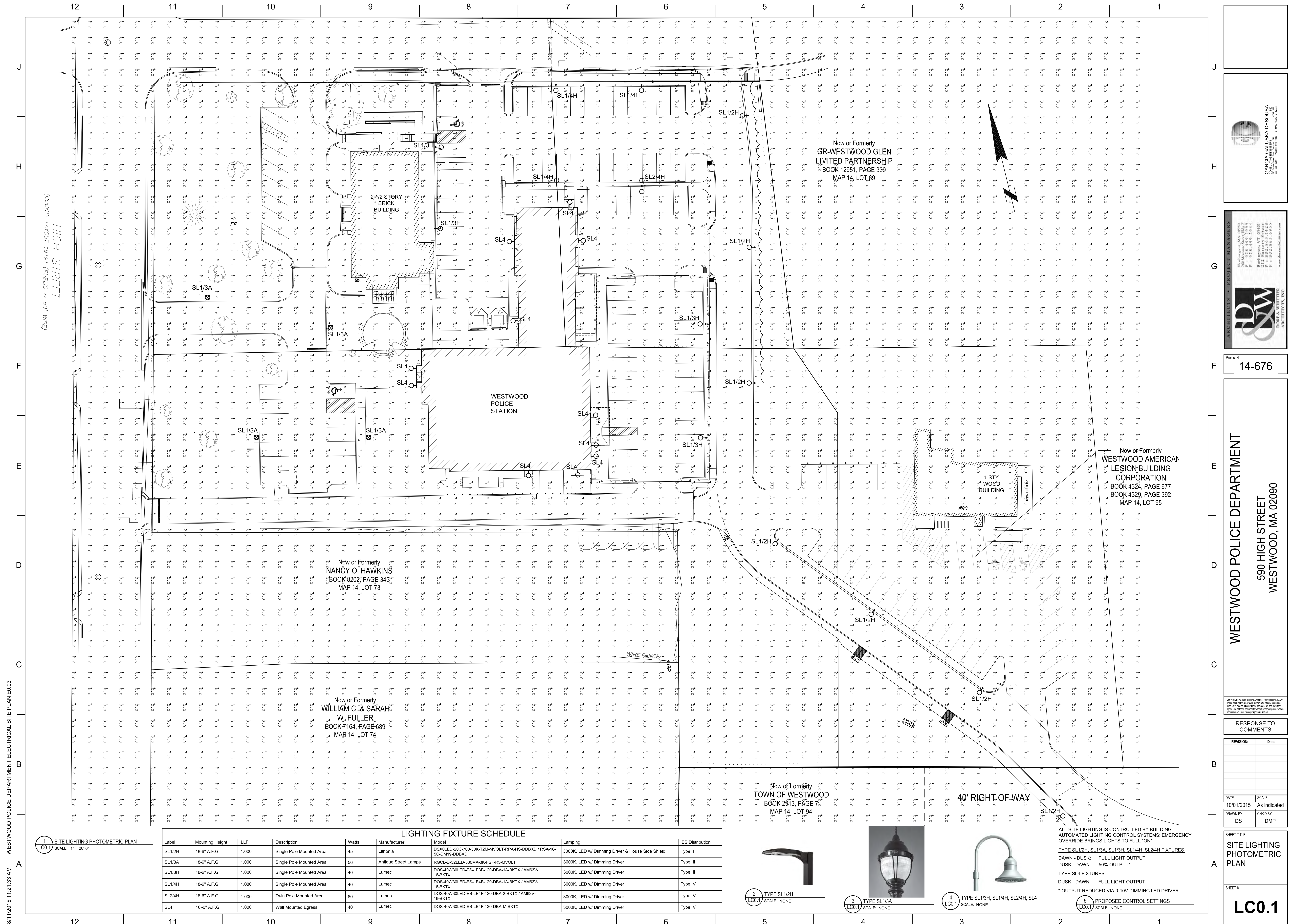
PERMITTING PLANS

REVISION:	Date:
RESPONSE TO COMMENTS	10-01-15

DATE:	SCALE:
08/13/15	As indicated
DRAWN BY:	CHKD BY:
VFM	MAM

SHEET TITLE:
OVERALL EXTERIOR ELEVATIONS

SHEET #:
A4.10



8/11/2015 11:21:33 AM WESTWOOD POLICE DEPARTMENT ELECTRICAL SITE PLAN E003

HIGH STREET
(COUNTY LAYOUT 1919) (PUBLIC ~ 50' WIDE)

Now or Formerly
GR-WESTWOOD GLEN
LIMITED PARTNERSHIP
BOOK 12951, PAGE 339
MAP 14, LOT 69

Now or Formerly
WESTWOOD AMERICAN
LEGION BUILDING
CORPORATION
BOOK 4324, PAGE 677
BOOK 4329, PAGE 392
MAP 14, LOT 95

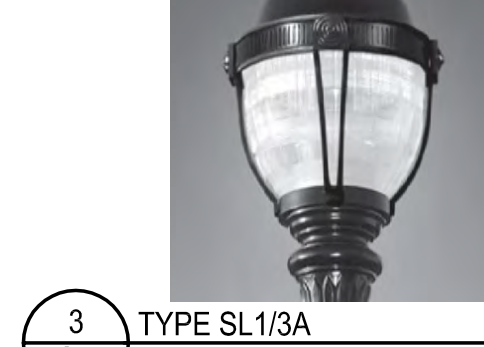
Now or Formerly
NANCY O. HAWKINS
BOOK 8202, PAGE 345
MAP 14, LOT 73

Now or Formerly
WILLIAM C. & SARAH
W. FULLER
BOOK 7164, PAGE 689
MAP 14, LOT 74

Now or Formerly
TOWN OF WESTWOOD
BOOK 2813, PAGE 7
MAP 14, LOT 94

LIGHTING FIXTURE SCHEDULE

Label	Mounting Height	LLF	Description	Watts	Manufacturer	Model	Lamping	IES Distribution
SL1/2H	18'-6" A.F.G.	1.000	Single Pole Mounted Area	45	Lithonia	DSX0LED-20C-700-30K-T2M-TM-VOLT-RPA-HS-DDBXD / RSA-16-5C-DM19-DDBXD	3000K, LED w/ Dimming Driver & House Side Shield	Type II
SL1/3A	18'-6" A.F.G.	1.000	Single Pole Mounted Area	56	Antique Street Lamps	RGCL-D-32LED-530MA-3K-FSF-R3-VOLT	3000K, LED w/ Dimming Driver	Type III
SL1/3H	18'-6" A.F.G.	1.000	Single Pole Mounted Area	40	Lumec	DOS-40W30LED-ES-LE4F-120-DBA-1A-BKTX / AM63V-16-BKTX	3000K, LED w/ Dimming Driver	Type III
SL1/4H	18'-6" A.F.G.	1.000	Single Pole Mounted Area	40	Lumec	DOS-40W30LED-ES-LE4F-120-DBA-1A-BKTX / AM63V-16-BKTX	3000K, LED w/ Dimming Driver	Type IV
SL2/4H	18'-6" A.F.G.	1.000	Twin Pole Mounted Area	80	Lumec	DOS-40W30LED-ES-LE4F-120-DBA-2-BKTX / AM63V-16-BKTX	3000K, LED w/ Dimming Driver	Type IV
SL4	10'-0" A.F.G.	1.000	Wall Mounted Egress	40	Lumec	DOS-40W30LED-ES-LE4F-120-DBA-M-BKTX	3000K, LED w/ Dimming Driver	Type IV



ALL SITE LIGHTING IS CONTROLLED BY BUILDING AUTOMATED LIGHTING CONTROL SYSTEMS; EMERGENCY OVERRIDE BRINGS LIGHTS TO FULL "ON".
 TYPE SL1/2H, SL1/3A, SL1/3H, SL1/4H, SL2/4H FIXTURES
 DAWN - DUSK: FULL LIGHT OUTPUT
 DUSK - DAWN: 50% OUTPUT*
 TYPE SL4 FIXTURES
 DUSK - DAWN: FULL LIGHT OUTPUT
 * OUTPUT REDUCED VIA 0-10V DIMMING LED DRIVER.

WESTWOOD POLICE DEPARTMENT
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GARCIA GALUSKA DESOUSA
Professional Engineer
License #0000000000

Project No: 14-676

RESPONSE TO COMMENTS

REVISION: _____ Date: _____

DATE: 10/01/2015 SCALE: As Indicated

DRAWN BY: DS CKD BY: DMP

SHEET TITLE: SITE LIGHTING PHOTOMETRIC PLAN

SHEET #: LC0.1