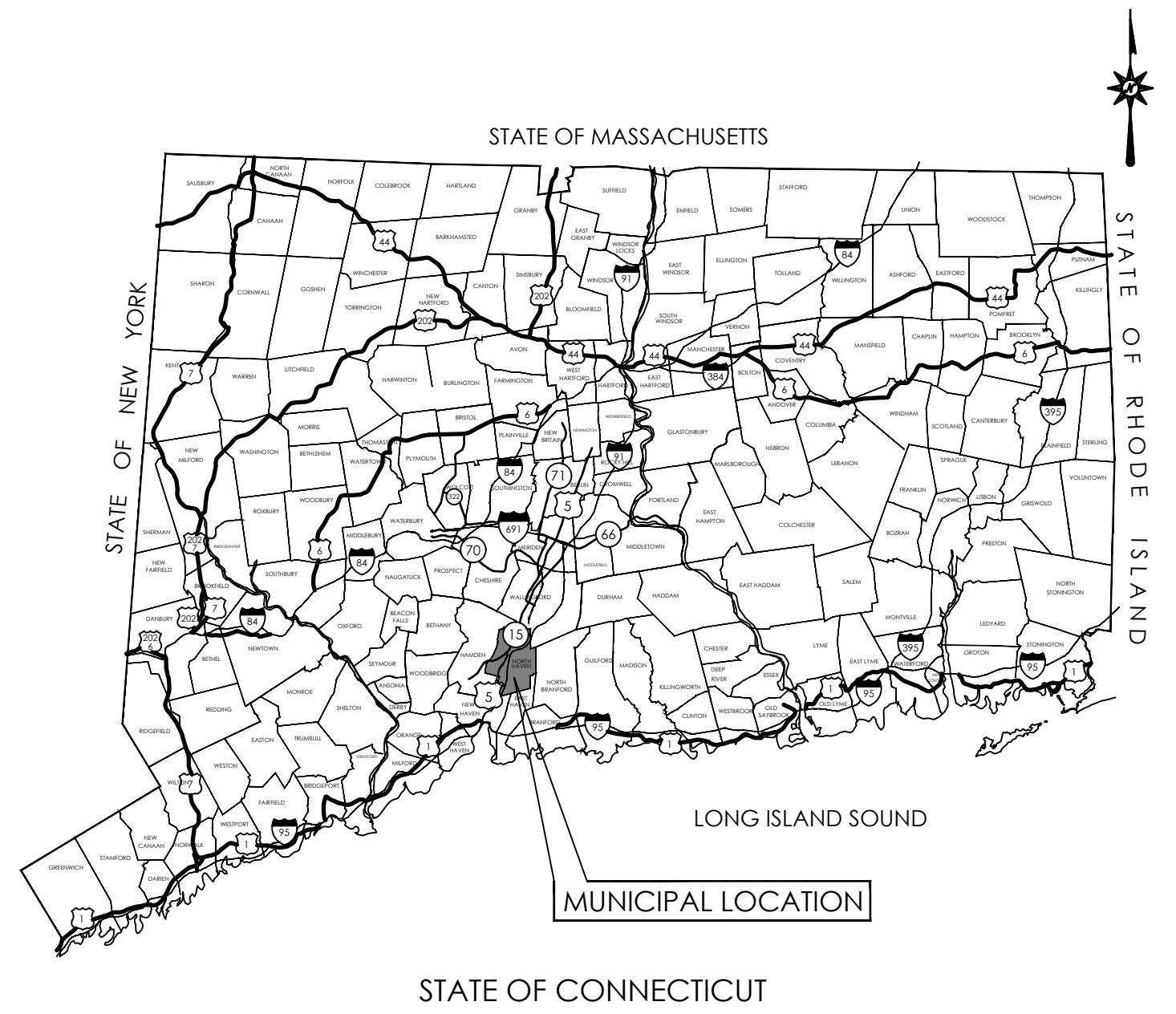
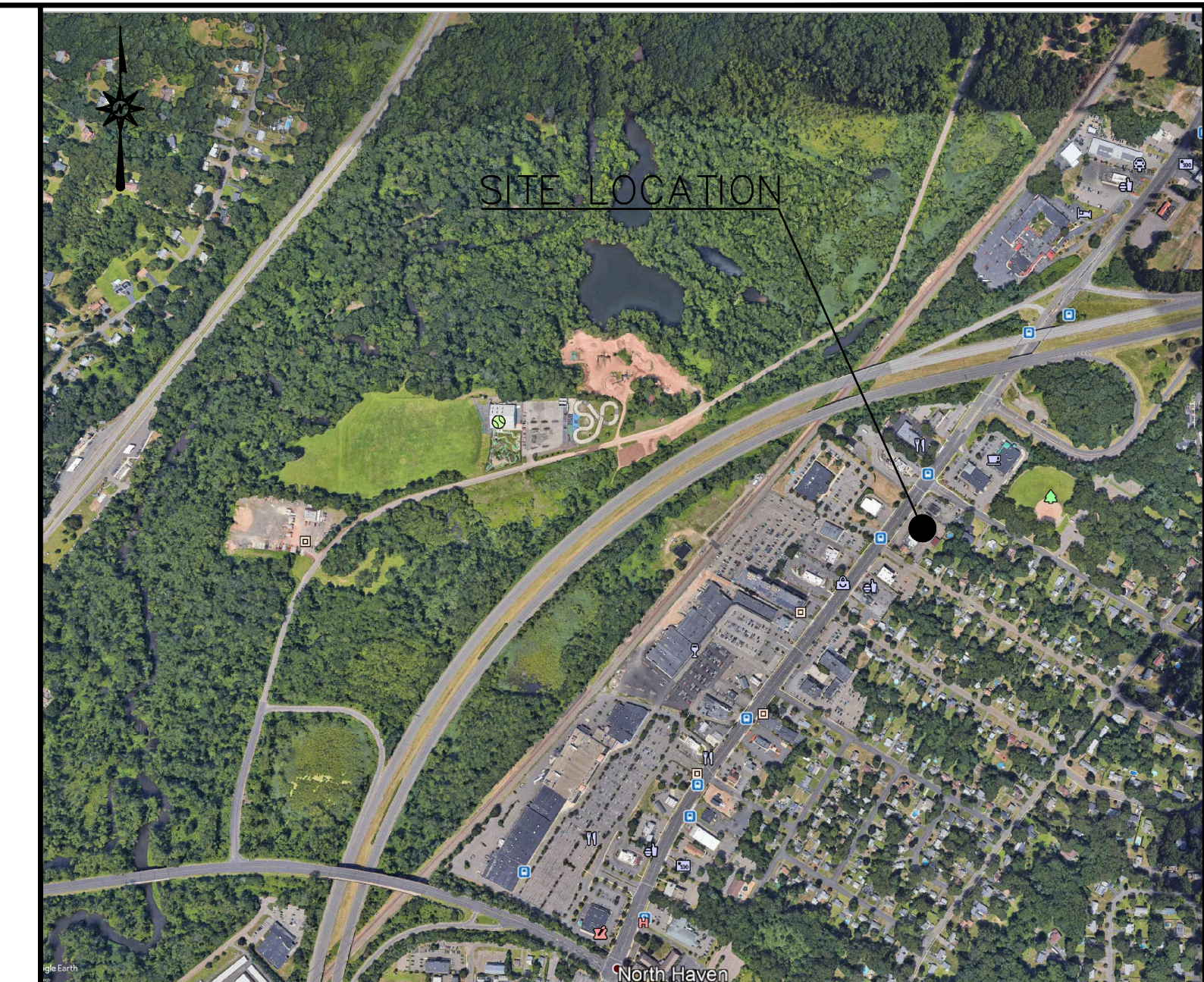


LAND DEVELOPMENT PLANS ISSUED FOR CONSTRUCTION

PROPOSED DEVELOPMENT 144 WASHINGTON AVE (ROUTE 5) NORTH HAVEN, CONNECTICUT (#P21-10, SITE PLAN APPROVAL & #P21-18, SITE PLAN APPROVAL)



LOCATION MAP
N.T.S.



VICINITY MAP
SCALE: 1"=800'

SITE PLAN APPLICATION APPROVAL LETTER:

PREPARED FOR:
144 WASHINGTON AVENUE, LLC
34 LLOYD STREET
NEW HAVEN, CONNECTICUT

PREPARED BY:



100 CONSTITUTION PLAZA, 10TH FLOOR
HARTFORD, CONNECTICUT 06103
(860) 249-2200
(860) 249-2400 Fax



TOWN OF NORTH HAVEN
MEMORIAL TOWN HALL / 18 CHURCH STREET
NORTH HAVEN, CONNECTICUT 06473



REPLY To: Land Use Office
Planning and Zoning Commission

Tel. (203) 239-5321
Fax (203) 234-2130

11 May 2021

Mr. Carmine Capasso
144 Washington Avenue, LLC
34 Lloyd Street
New Haven, CT 06513

RE: #P21-10 Site Plan Application of 144 Washington Avenue, LLC, Applicant & Owner, relative to 146 Washington Avenue, 5 Monroe Street & 8 Blakeslee Avenue, (Map 73, Lots 34, 35 & 32). Plan Entitled: Proposed Development, 144 Washington Ave (Route 5), North Haven, Connecticut. Prepared By: BL Companies. Dated: 04/08/2021, rev. 4/28/2021. Scale: 1"=20'. CB-20/R-12 Zoning Districts.

Dear Mr. Capasso,

At the regular monthly meeting of the North Haven Planning and Zoning Commission held on Monday, May 3, 2021 the Commission voted unanimously to approve the above referenced application subject to the following conditions:

1. Submit revised plans which include:
 - a. A note indicating "#P21-10, Site Plan Approval".
 - b. A note indicating there will be no outdoor storage on the site.
 - c. Indication that all lawn and landscaped areas will be serviced by an automatic sprinkler system.
 - d. Actual proposed building height in zoning data table.
 - e. Size and location of any proposed ground mounted mechanical and/or electrical equipment.
 - f. A note on Sheet LL-1 indicating that any landscape material changes must receive prior approval from North Haven Land Use staff.
 - g. Revised drawing index to indicate that Sheet DN-3 is not a DOT Detail Sheet.
 - h. Revised required side yard setback to 15'.
 - i. A note indicating all variances previously granted by the ZBA.
 - j. Revised lighting layout to eliminate light trespass on adjacent properties.
 - k. One (1) minimum 2" caliper deciduous tree in all islands at ends of rows of parking.
 - l. Protective bollards at all outdoor seating areas.
 - m. Additional signage or pavement markings to discourage exiting traffic from using Monroe Street.
 - n. Flatten drive thru curves where possible, and widen both lanes to a minimum of 12' each.
 - o. Relocate infiltration system to allow additional catch basins to drain into system.

- p. Sanitary clean-outs at all changes in direction on sanitary laterals and at a maximum of 75' intervals.
 - q. Additional landscaped island in southernmost parking row to reduce to 16 consecutive spaces maximum.
2. This approval is contingent on the approval of the State of Connecticut D.O.T. for traffic and drainage conditions.
 3. Provide soil testing data to confirm that sufficient infiltration capacity is available.
 4. Soil and erosion controls must be inspected by the Zoning Enforcement Officer before work may commence.
 5. The property owner, and/or his/her agents, must maintain (repair/replace) when necessary, the siltation control until all development activity is completed and all disturbed areas are permanently stabilized.
 6. Any proposed signage or fencing will require the filing of applications with the Zoning Enforcement Officer.
 7. Submit an as-built plan prior to bond release.
 8. Post bond in the amount of \$12,000.00.

Variations from the approved plans must be addressed/discussed with appropriate Town staff prior to construction.

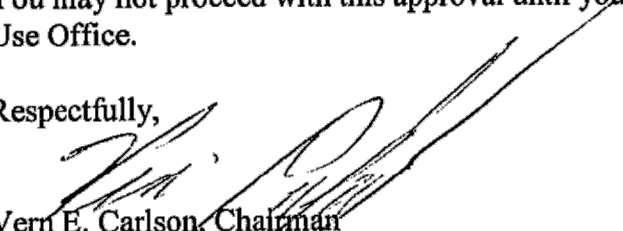
Please note that one (1) set of revised drawings should be submitted for review after all outstanding issues (conditions of approval as set forth above), are adequately addressed. If there are any questions relative to the conditions of approval, please call the Town prior to submitting the revised plans. This will avoid costly and time consuming revisions and reviews, therefore, expediting the process for you as the applicant.

This approval will expire on 13 May 2022. The Planning and Zoning Commission may grant no more than two (2) six month extensions to this approval.

This approval is subject to compliance with any and all Zoning Regulations of the Town of North Haven.

You may not proceed with this approval until you have received a signed plan from the Land Use Office.

Respectfully,


Verrill E. Carlson, Chairman
Planning & Zoning Commission
VEC/pm

cc: First Selectman
Finance

CERTIFIED MAIL RETURN RECEIPT

CONTENTS

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SU-1	SITE UTILITIES PLAN
SU-2	SITE CONDUIT COORDINATION PLAN
EC-1	SEDIMENT AND EROSION CONTROL PLAN
EC-2	SEDIMENT AND EROSION CONTROL NOTES
EC-3	SEDIMENT AND EROSION CONTROL DETAILS
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LL-1	LANDSCAPING PLAN
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LP-1	LIGHTING PLAN
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DN-16	DETAILS SHEET - STORMTECH CHAMBER
DN-17	DETAILS SHEET - SIGNAGE FOUNDATIONS
DN-18	DETAILS SHEET - CT DOT SIGNAL PLAN
DN-19-21	DETAILS SHEET - TENANT A DETAILS

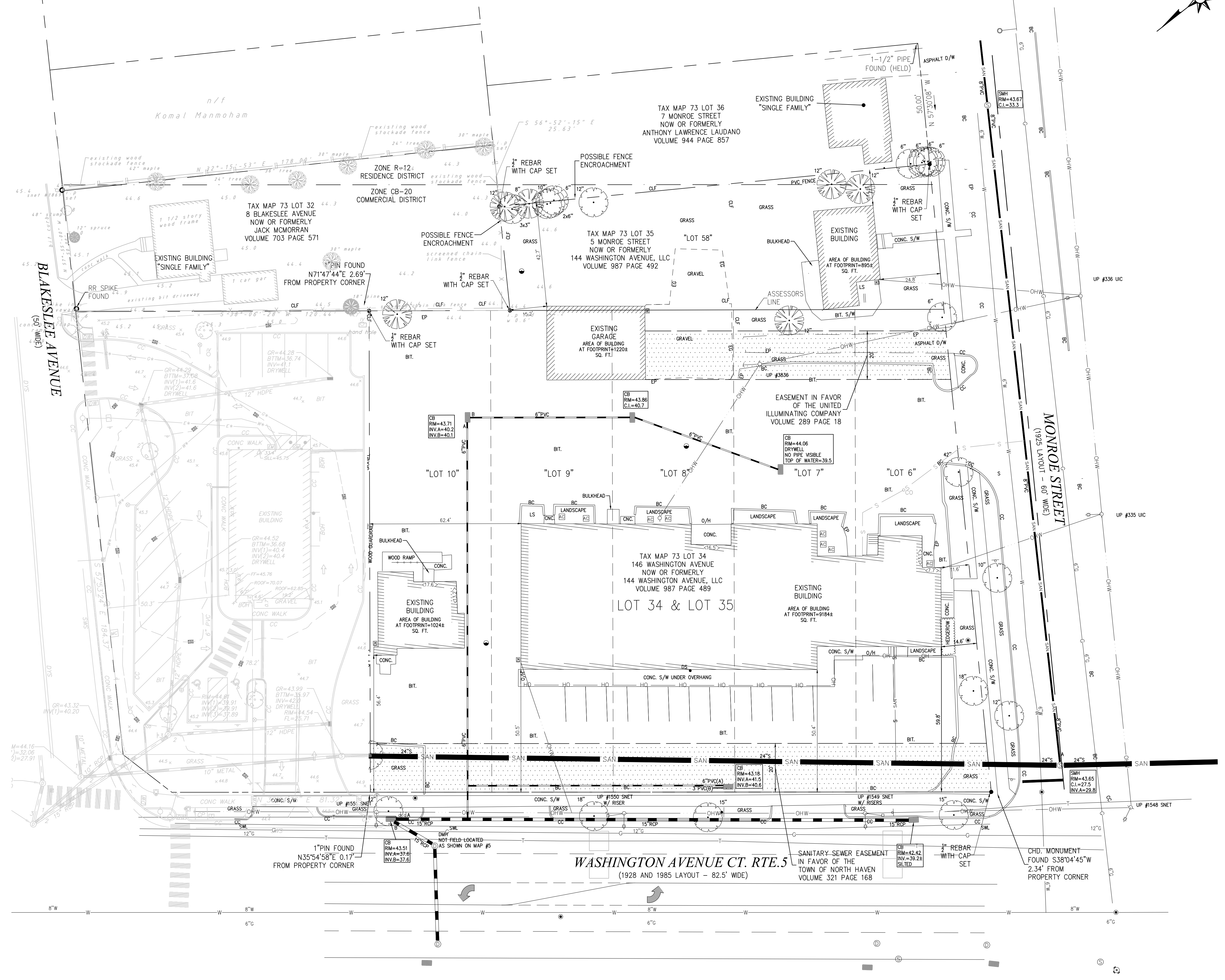
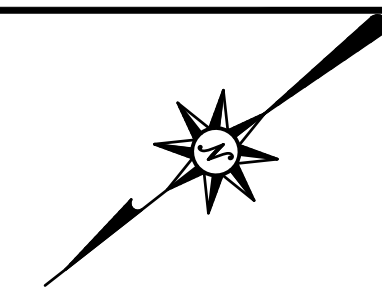
DEVELOPER/OWNER:
144 WASHINGTON AVENUE, LLC
CONTACT: CARMINE CAPASSO
34 LLOYD STREET
NEW HAVEN, CONNECTICUT

SITE PLAN APPROVAL NOTE:
TOWN OF NORTH HAVEN PLANNING AND ZONING BOARD SITE PLAN APPROVAL IS CONTINGENT ON THE APPROVAL OF THE ENCROACHMENT PERMIT FOR THE PROPOSED DRIVEWAY AND STORM DRAIN TIE-IN BY THE STATE OF CONNECTICUT D.O.T.

NOTES

- EXISTING CONDITIONS INFORMATION FOR 146 WASHINGTON AVENUE TAKEN FROM "PROPERTY SURVEY & TOPOGRAPHIC SURVEY" DATED SEPTEMBER 9, 2019 AND PREPARED BY VHB.
- EXISTING CONDITIONS INFORMATION FOR 158 WASHINGTON AVENUE TAKEN FROM "AS-BUILT SURVEY" DATED FEBRUARY 1, 2021 AND PREPARED BY LANGAN CT, INC.
- EXISTING INFORMATION FOR 8 BLAKESLEE AVENUE TAKEN FROM TOWN OF NORTH HAVEN PROPERTY CARD AND FROM GOOGLE STREET VIEW. BOUNDARY TOPOGRAPHIC INFORMATION WILL BE INCORPORATED INTO PLAN PRIOR TO CONSTRUCTION.
- LOT CONSOLIDATION PLAN HAS BEEN PREPARED UNDER SEPARATE COVER AND LOT CONSOLIDATION TO BE RECORDED PRIOR TO OCCUPANCY.

#P21-10 & P21-18, SITE PLAN APPROVAL



355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

PROPOSED DEVELOPMENT
144 WASHINGTON AVE (ROUTE 5)
NORTH HAVEN, CONNECTICUT

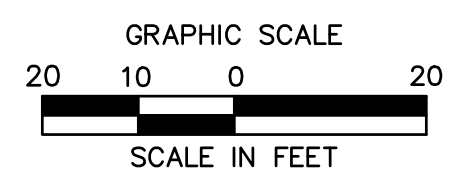
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5/10/2021	BULLETIN #2 - ADDRESS CORRECTIONS
6/22/2021	BULLETIN #3 - ADDRESS CORRECTIONS
6/22/2021	BULLETIN #4 - ADDRESS CORRECTIONS
6/22/2021	BULLETIN #5 - ADDRESS CORRECTIONS
6/22/2021	BULLETIN #6 - ADDRESS CORRECTIONS
6/22/2021	BULLETIN #7 - ADDRESS CORRECTIONS
6/22/2021	BULLETIN #8 - ADDRESS CORRECTIONS
6/22/2021	BULLETIN #9 - ADDRESS CORRECTIONS
6/22/2021	BULLETIN #10 - ADDRESS CORRECTIONS
6/22/2021	BULLETIN #11 - ADDRESS CORRECTIONS
6/22/2021	BULLETIN #12 - ADDRESS CORRECTIONS
6/22/2021	BULLETIN #13 - ADDRESS CORRECTIONS
6/22/2021	BULLETIN #14 - ADDRESS CORRECTIONS
6/22/2021	BULLETIN #15 - ADDRESS CORRECTIONS
6/22/2021	BULLETIN #16 - ADDRESS CORRECTIONS
6/22/2021	BULLETIN #17 - ADDRESS CORRECTIONS
6/22/2021	BULLETIN #18 - ADDRESS CORRECTIONS
6/22/2021	BULLETIN #19 - ADDRESS CORRECTIONS
6/22/2021	BULLETIN #20 - ADDRESS CORRECTIONS

Designed R.M.D.
Drawn R.M.D.
Reviewed S.M.K.
Scale 1"=20'
Project No. 1901997
Date 07/07/2021
CAD File: EX190199701

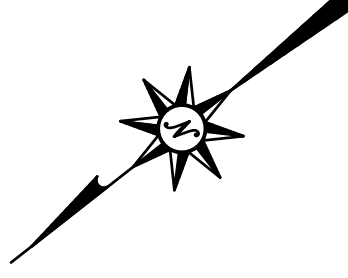
EXISTING CONDITIONS PLAN

Sheet No.

EX-1



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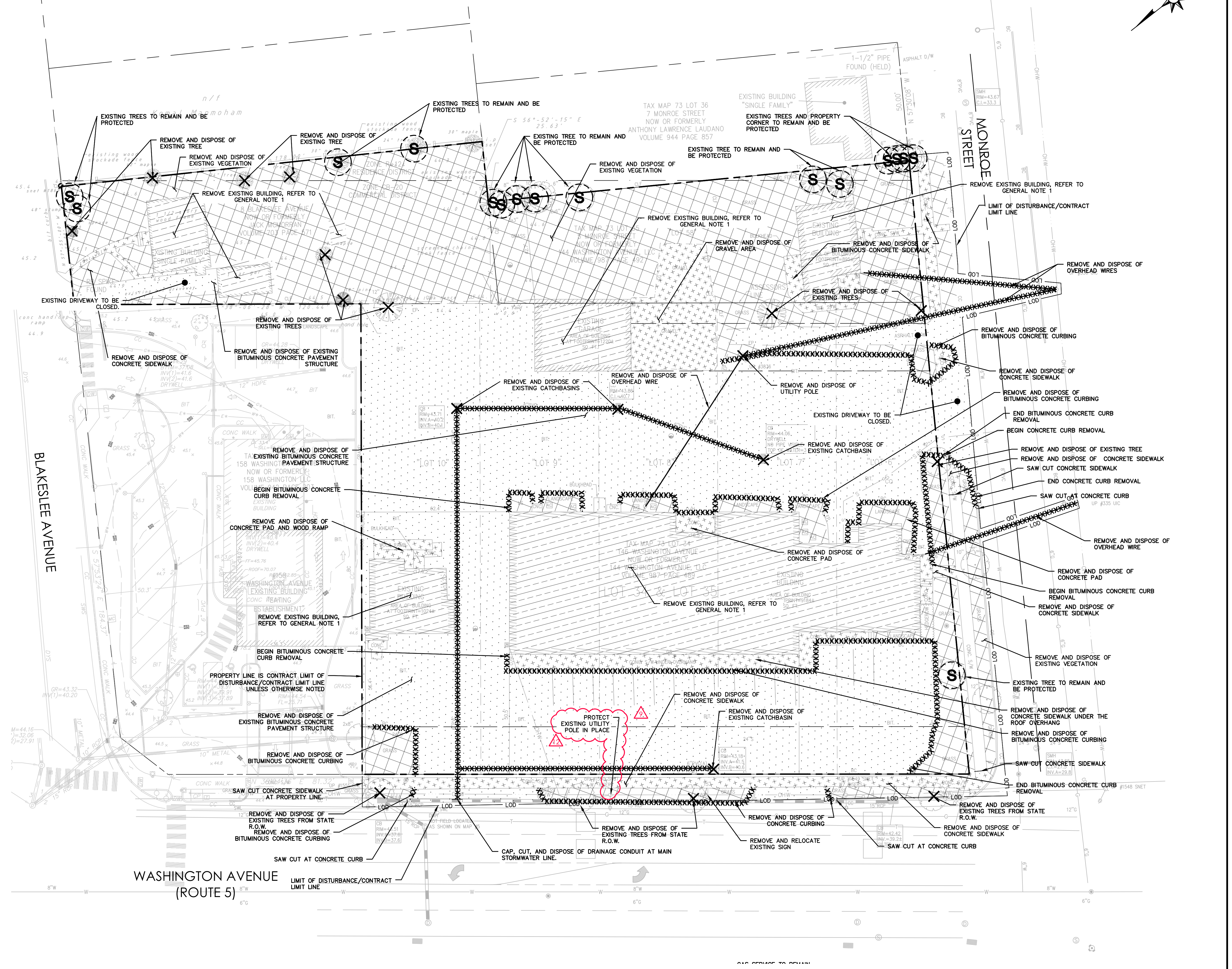


DEMOLITION PLAN LEGEND

---	PROPERTY LINE
---	LIMIT OF DISTURBANCE AND SITE WORK CONTRACT LIMIT LINE
---	PROPOSED TREE DRIP LINE AND LIMIT OF CLEARING AND GRUBBING
---	SAWCUT LINE
XXXXXXXXXXXXXXXXXXXX	REMOVE AND DISPOSE OF UNDERGROUND STORMWATER OR UTILITY PIPE, CURB, FENCING, WALLS, OVERHEAD WIRES, ETC
-----	PROTECT EXISTING UTILITY LINE
X	REMOVE AND DISPOSE EXISTING STRUCTURE, FURNISHING, TREE, SHRUB, AND/OR STUMP
(S)	PROTECT EXISTING STRUCTURE/FURNISHING OR TREE
[Hatched Box]	REMOVE AND DISPOSE OF EXISTING BUILDING AND FOUNDATION
[Dotted Box]	REMOVE AND DISPOSE OF EXISTING BITUMINOUS CONCRETE PAVEMENT STRUCTURE
[Cross-hatched Box]	REMOVE AND DISPOSE OF EXISTING CONCRETE PADS AND/OR CONCRETE SIDEWALKS
[Diagonal-hatched Box]	REMOVE AND DISPOSE OF EXISTING VEGETATION AND STUMPS

GENERAL NOTES

- DIRECTIONS FOR REMOVAL OF BUILDING:
REMOVE AND DISPOSE OF BUILDING INCLUDING BUT NOT LIMITED TO: WALLS, ROOF, ROOF OVERHANG, SLABS, FLOORS, FOUNDATIONS, PIPES, INTERIOR FIXTURES, DOORS, WINDOWS, CANOPIES, INTERIOR AND EXTERIOR STAIRS, DECKS, RAMPS, INTERIOR AND EXTERIOR CONCRETE PADS, INTERIOR AND EXTERIOR COLUMNS, MECHANICAL EQUIPMENT, STEEL FRAMING, ETC. (ALL HAZARDOUS MATERIALS TO BE REMOVED AND DISPOSED OF ACCORDINGLY BY A LICENSED HANDLER.) REMOVE ANY EXISTING SEPTIC SYSTEMS, SEPTIC PIPING, AND APPURTENANCES PER STATE HEALTH CODE IF ENCOUNTERED.



Architecture
Engineering
Environmental
Land Surveying

BL
Companies

355 Research Parkway
Meriden, CT 06450
(203) 630-1406
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PROPOSED DEVELOPMENT
144 WASHINGTON AVE (ROUTE 5)
NORTH HAVEN, CONNECTICUT

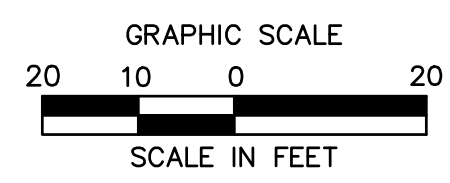
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5/10/2021	BULLETIN #2 - ADDRESS TOWN COMMENTS
6/22/2021	BULLETIN #3 - PRELIMINARY COMMENTS
6/22/2021	BULLETIN #4 - ADDRESS TOWN COMMENTS
6/22/2021	BULLETIN #5 - ADDRESS TOWN COMMENTS
7/26/2021	BULLETIN #6 - ADDRESS TOWN COMMENTS
8/24/2021	BULLETIN #7 - ADDRESS TOWN COMMENTS
10/11/2021	BULLETIN #8 - ADDRESS TOWN COMMENTS
11/10/2021	BULLETIN #9 - ADDRESS TOWN COMMENTS
11/23/2021	BULLETIN #10 - ADDRESS TOWN COMMENTS
12/22/2021	BULLETIN #11 - ADDRESS TOWN COMMENTS
1/27/2022	BULLETIN #12 - ADDRESS TOWN COMMENTS

Designed	R.M.D.
Drawn	R.M.D.
Reviewed	S.M.K.
Scale	1"=20'
Project No.	19019970
Date	07/07/2021
CAD File:	DM190199701

Title
DEMOLITION PLAN

Sheet No.

DM-1



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ZONING INFORMATION

LOCATION: NORTH HAVEN, CT				
ZONE: CB-20 (COMMERCIAL DISTRICT)				
USE: RESTAURANT AND RETAIL (PERMITTED USE)				
ITEM #	ITEM	REQUIREMENTS	PROPOSED	VARIANCE
1	MINIMUM LOT AREA	20,000 S.F.	68,120 S.F. (1.56 AC.)	NO
2	MINIMUM LOT WIDTH	100 FEET	247.3 FEET	NO
3	MINIMUM LOT FRONTAGE	NONE REQUIRED	255.6 FEET (WASHINGTON AVE) 258.6 FEET (MONROE ST) 50.0 FEET (BLAKESLEE AVE) 565.2 FEET TOTAL	NO
4	MINIMUM FRONT SETBACK	50 FEET	62.0 FEET	NO
5	MINIMUM SIDE SETBACK	15 FEET	62.2 FEET	NO
6	MINIMUM REAR SETBACK	25 FEET	N/A	NO
7	MAXIMUM BUILDING HEIGHT	35 FEET	25 FEET	NO
8	MAXIMUM BUILDING COVERAGE	25 PERCENT	10.3 PERCENT	NO

PARKING INFORMATION

ITEM #	ITEM	REQUIREMENTS	PROPOSED	VARIANCE
1	BUILDING SIZE	NONE REQUIRED	7,049 SF	NO
2	PARKING REQUIRED	RESTAURANT: 1 SPACE PER EVERY 75 S.F. OF GROSS FLOOR AREA (2,201 SF + 2,400 SF + 1,224 SF)/75 = 78 SPACES RETAIL: 1 SPACE PER EVERY 200 S.F. OF GROSS FLOOR AREA (1,224/200 = 6 SPACES) TOTAL REQUIRED = 84 SPACES	REQUIRED ESTIMATED NUMBER OF PARKING SPACES REQUIRED PER THE INSTITUTE OF TRANSPORTATION ENGINEERS (ITE) PARKING GENERATION MANUAL, 5TH EDITION = 71 SPACES (SEE TRAFFIC MEMO DATED 6/14/2021) PARKING PROVIDED = 74 SPACES	NO
3	MINIMUM HANDICAPPED PARKING SPACES REQUIRED	3 SPACES	4 SPACES	NO
4	MINIMUM PARKING DIMENSIONS	NOT LESS THAN 9 FEET WIDE AND 270 S.F.	9 FEET WIDE AND 270 S.F.	NO
5	MINIMUM AISLE WIDTH	NONE REQUIRED	24 FEET - 2-WAY	NO
6	MINIMUM FRONT SETBACK	15 FEET	15.0 FEET	NO
7	MINIMUM SIDE SETBACK	0 FEET / 15 FEET WHEN ABUTTING RESIDENTIAL	2.0 FEET / 15.0 FEET	NO
8	MINIMUM REAR SETBACK	0 FEET / 15 FEET WHEN ABUTTING RESIDENTIAL	N/A	NO
9	MINIMUM LANDSCAPING	10 PERCENT	25.5 PERCENT	NO

SITE PLAN LEGEND

	PROPERTY LINE
	LIMIT OF DISTURBANCE AND SITE WORK CONTRACT LIMIT LINE
	PROVIDE AND INSTALL CURB, SEE PLAN FOR MATERIAL TYPE
	PROVIDE AND INSTALL CONCRETE PAVEMENT, CONCRETE SIDEWALK, OR MONOLITHIC CONCRETE CURB AND SIDEWALK STRUCTURE
	PROVIDE AND INSTALL FULL DEPTH HEAVY DUTY BITUMINOUS CONCRETE PAVEMENT STRUCTURE
	PROVIDE AND INSTALL FULL DEPTH LIGHT DUTY BITUMINOUS CONCRETE PAVEMENT STRUCTURE
	PROVIDE AND INSTALL TRAFFIC SIGN
	PARKING STALL COUNT
	SITE LIGHTING (REFER TO LIGHTING PLAN)

SITE PLAN NOTES

- THERE WILL BE NO OUTDOOR STORAGE ON THE SITE.
- ALL LAWN AND LANDSCAPED AREAS WILL BE SERVICED BY AN AUTOMATIC SPRINKLER SYSTEM.
- MECHANICAL EQUIPMENT WILL BE ROOF MOUNTED.
- SIMILAR TO ECHELON PLUS WITH MAJESTIC TOP BY AMERISTAR. OWNER TO APPROVE FINAL FENCE PRIOR TO ORDER AND FENCE SHALL BE INSTALLED PER MANUFACTURER RECOMMENDATIONS.
- REFER TO NORTH HAVEN TRAFFIC CONTROL SIGNAL PLAN TO LOCATE ALL SIGNAL EQUIPMENT AND UNDERGROUND APPURTENANCES.

SIGN LEGEND

SIGN NO.	CT-DOT NO. OR MUTCD NO.	LEGEND
A	31-0552	STOP 30"
B	31-0629 (SIMILAR)	Handicap Accessible
C	31-0648	VAN ACCESSIBLE
D	31-1119	DO NOT ENTER
E	31-1604	NO RIGHT TURN
F		NO LEFT TURN ON ROUTE 5 FROM MONROE STREET EXIT
G	31-0184	ONLY
H	R4-7A	KEEP RIGHT

NO TRUCKS BEYOND THIS POINT

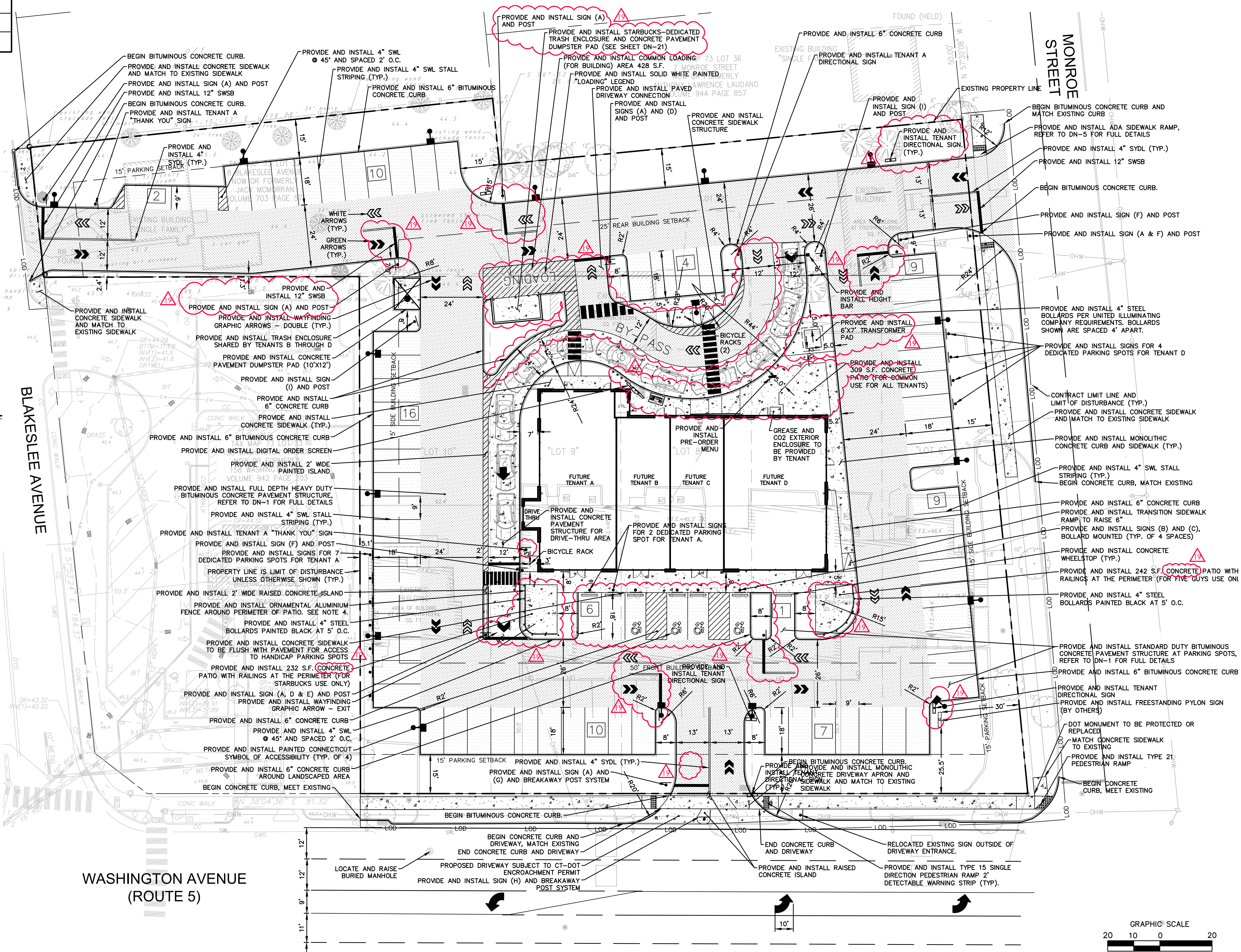
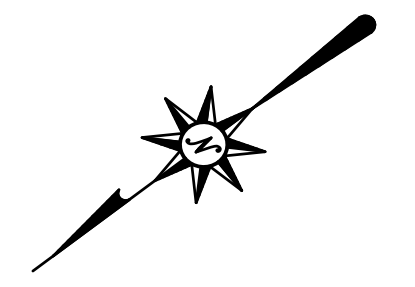
NOTES:

- HANDICAPPED SIGNS TO BE INSTALLED IN PIPE BOLLARDS (SEE DETAIL). ALL HANDICAP SIGNAGE TO CONFORM TO LATEST BUILDING CODE.
- TOWN OF NORTH HAVEN SIGN REGULATIONS LIMIT ON-SITE BRANDING/LOGOS TO 40 SF, INCLUDING THE PYLON SIGN. THE PYLON SIGN IS PROPOSED TO BE 40 SF. THEREFORE, NO WAYFINDING SIGNS ARE ALLOWED TO INCLUDE TENANT LOGOS OR BRANDING.

SIGN INFORMATION

ITEM #	ITEM	REQUIREMENT	PROPOSED
1	MAX. FREESTANDING SIGN AREA	NOT MORE THAN TWO FREE-STANDING SIGNS PER LOT. MAX. AREA 40 SF PER SIGN AND NOT TO EXCEED 1 SF PER 5 LF OF FRONTAGE (565.2 FEET / 5 LF = 113.0 S.F. MAX)	39.7 S.F.
2	MAXIMUM SIGN HEIGHT	20 FEET	13 FEET
3	MINIMUM FREE STANDING SIGN SETBACK (40 S.F. SIGN)	25 FEET	25.5 FEET
4	MAX. WALL SIGN AREA	NOT TO EXCEED 10 PERCENT OF GROSS AREA OF WALL	WALL AREA <10 PERCENT OF GROSS WALL AREA

#P21-10 & P21-18, SITE PLAN APPROVAL



355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

PROPOSED DEVELOPMENT
144 WASHINGTON AVE (ROUTE 5)
NORTH HAVEN, CONNECTICUT

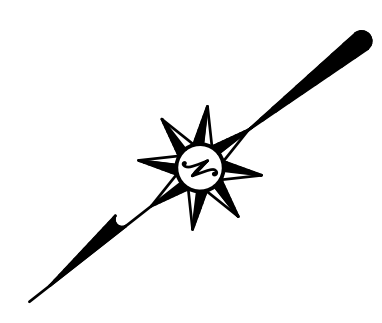
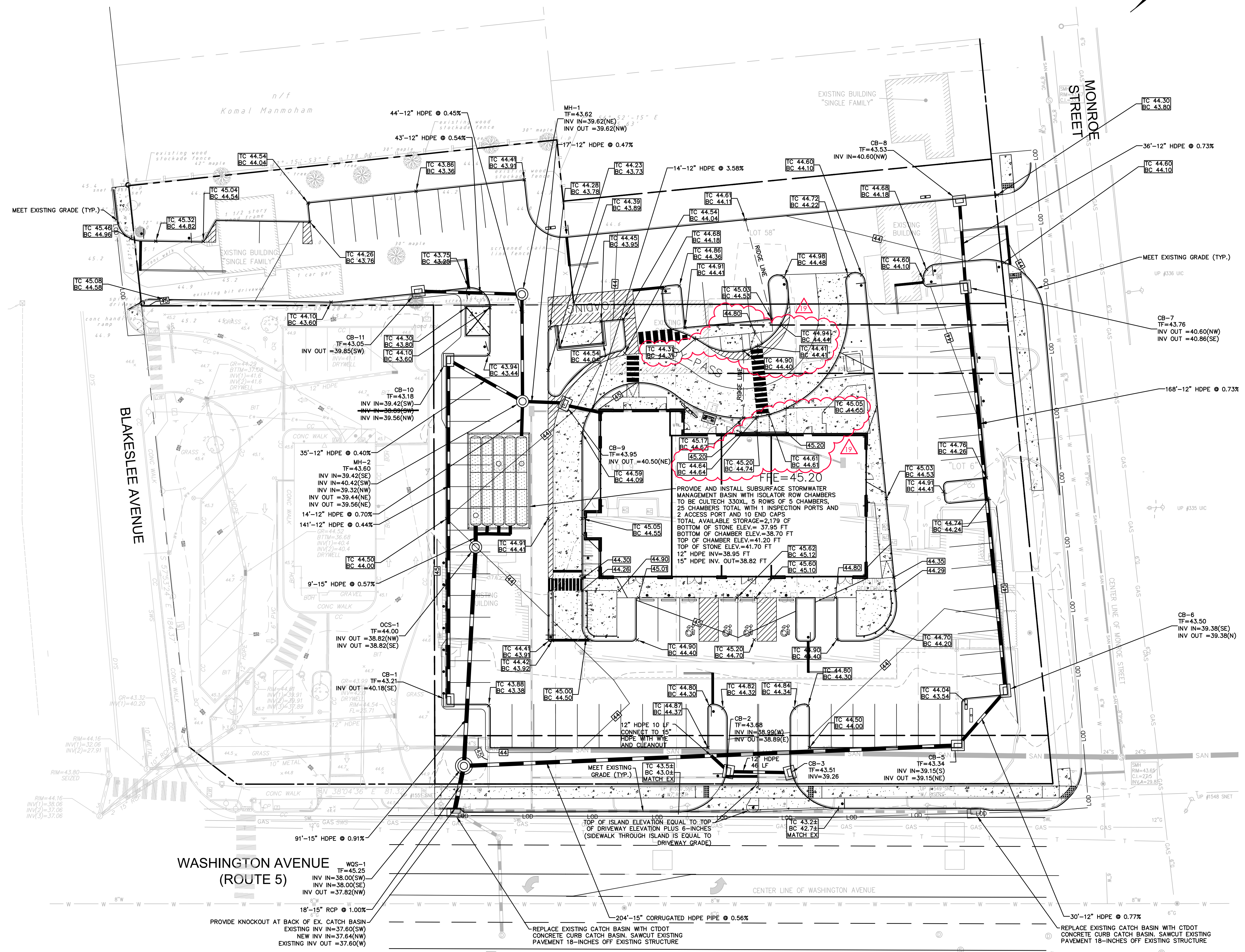
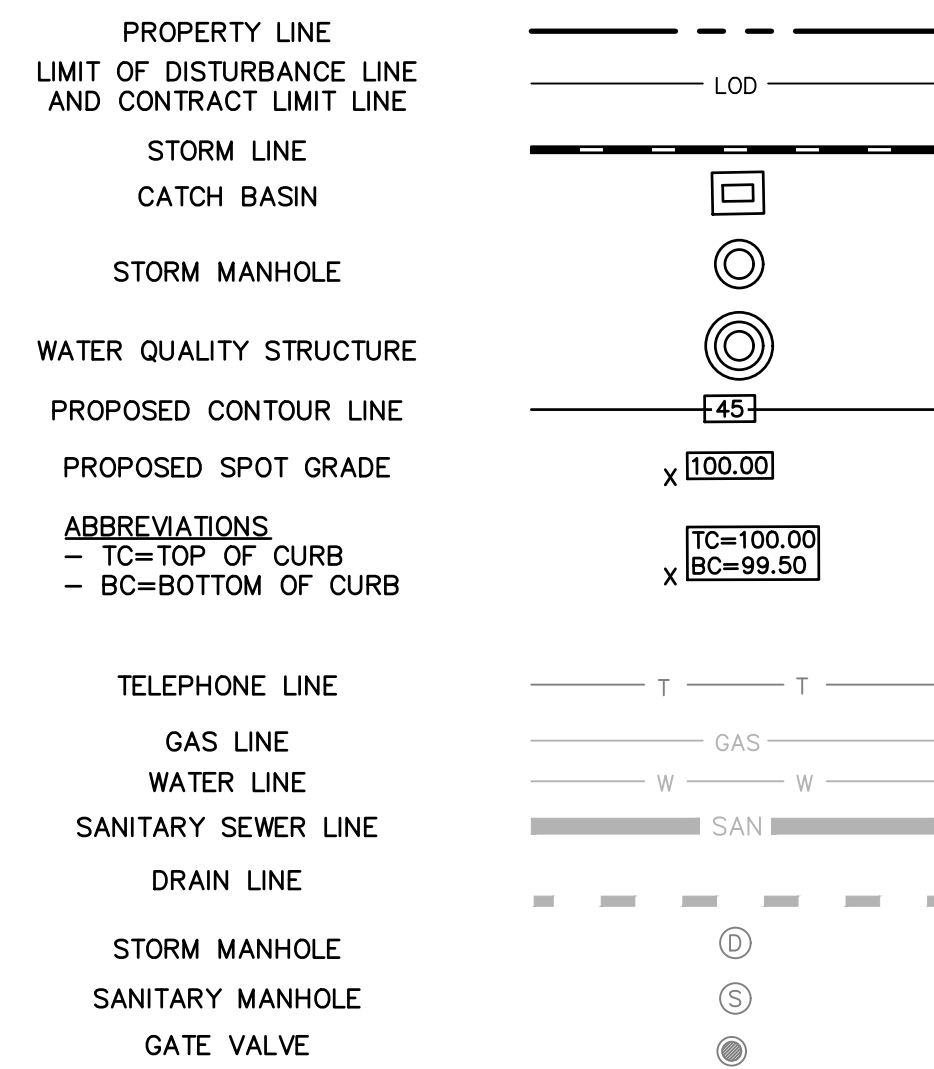
4/28/2021: REVISIONS
BULLFINCH 01 - SITE PLAN COMMENTS
BULLFINCH 02 - ADDRESS TOWN COMMENTS
BULLFINCH 03 - RETAIL SIGN COMMENTS
BULLFINCH 04 - SIGNAGE AND VARIANCE NOTE
BULLFINCH 05 - RESPONSE TO CT DOT COMMENTS
BULLFINCH 06 - RESPONSE TO CT DOT COMMENTS
BULLFINCH 07 - RESPONSE TO CT DOT COMMENTS
BULLFINCH 08 - RESPONSE TO CT DOT COMMENTS
BULLFINCH 09 - RESPONSE TO CT DOT COMMENTS
BULLFINCH 10 - RESPONSE TO CT DOT COMMENTS
BULLFINCH 11 - RESPONSE TO CT DOT COMMENTS
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BULLFINCH 15 - RESPONSE TO CT DOT COMMENTS
BULLFINCH 16 - RESPONSE TO CT DOT COMMENTS
BULLFINCH 17 - RESPONSE TO CT DOT COMMENTS
BULLFINCH 18 - RESPONSE TO CT DOT COMMENTS

Designed R.M.D.
Drawn R.M.D.
Reviewed S.M.K.
Scale 1"=20'
Project No. 1901997
Date 07/07/2021
CAD File: SP190199701

SITE PLAN

Sheet No. **SP-1**

GRADING AND DRAINAGE LEGEND



355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

PROPOSED DEVELOPMENT
144 WASHINGTON AVE (ROUTE 5)
NORTH HAVEN, CONNECTICUT

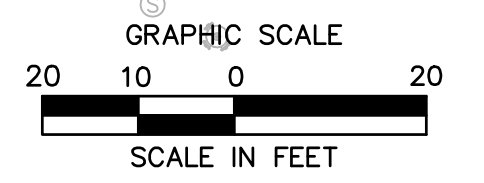
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6/22/2021	BULLETIN #9 - ADDRESS TOWN COMMENTS
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6/22/2021	BULLETIN #11 - ADDRESS TOWN COMMENTS
6/22/2021	BULLETIN #12 - ADDRESS TOWN COMMENTS
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6/22/2021	BULLETIN #15 - ADDRESS TOWN COMMENTS
6/22/2021	BULLETIN #16 - ADDRESS TOWN COMMENTS
6/22/2021	BULLETIN #17 - ADDRESS TOWN COMMENTS
6/22/2021	BULLETIN #18 - ADDRESS TOWN COMMENTS
6/22/2021	BULLETIN #19 - ADDRESS TOWN COMMENTS
6/22/2021	BULLETIN #20 - ADDRESS TOWN COMMENTS

Designed	E.A.E.
Drawn	E.A.E.
Reviewed	S.M.K.
Scale	1"=20'
Project No.	1901997
Date	07/07/2021
CAD File:	GD190199701

GRADING AND DRAINAGE PLAN

Sheet No.

GD-1



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SITE UTILITIES LEGEND

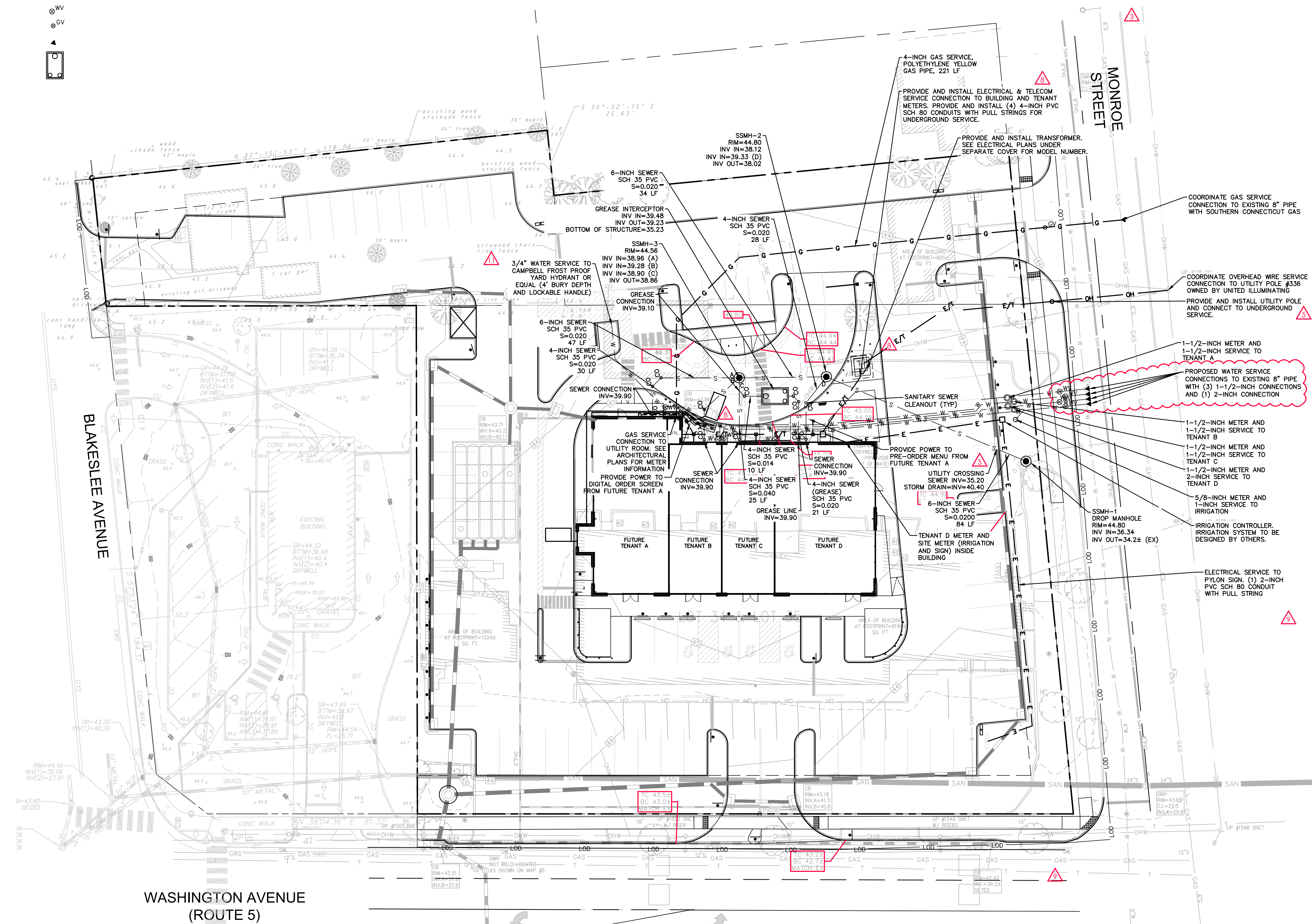
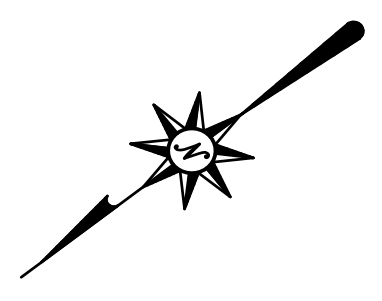
PROPERTY LINE	---
LIMIT OF DISTURBANCE LINE AND CONTRACT LIMIT LINE	---
ELECTRIC AND TELECOMMUNICATIONS LINES	E/T
GAS LINE	G
WATER LINE	W
SANITARY SEWER LINE	S
OVERHEAD LINE	OH
TRANSFORMER	⊠
UTILITY POLE	⊙
SANITARY MANHOLE	⊙
SANITARY CLEANOUT	⊙
WATER VALVE	⊙
GATE VALVE	⊙
THRUST BLOCK	⊙
GREASE TRAP	⊙

NOTES

CONTRACTOR SHALL CONFIRM LOCATION, SIZE, CONDITION AND ELEVATION OF ALL UTILITY LATERAL STUBS, WATER MAINS, GAS MAINS AND ELECTRICAL SERVICES PRIOR TO CONSTRUCTION.



355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax



PROPOSED DEVELOPMENT
144 WASHINGTON AVE (ROUTE 5)
NORTH HAVEN, CONNECTICUT

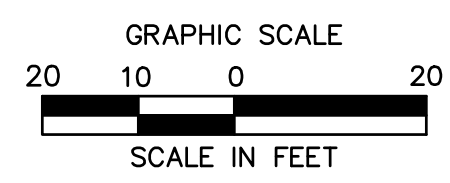
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5/10/2021	REVISION #2 - ADDRESS TOWN COMMENTS
6/22/2021	REVISION #3 - ADDRESS TOWN COMMENTS
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6/22/2021	REVISION #5 - ADDRESS TOWN COMMENTS
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6/22/2021	REVISION #17 - ADDRESS TOWN COMMENTS
6/22/2021	REVISION #18 - ADDRESS TOWN COMMENTS
6/22/2021	REVISION #19 - ADDRESS TOWN COMMENTS
6/22/2021	REVISION #20 - ADDRESS TOWN COMMENTS

Designed	S.M.K.
Drawn	S.M.K.
Reviewed	S.M.K.
Scale	1"=20'
Project No.	19019970
Date	07/07/2021
CAD File:	SU190199701

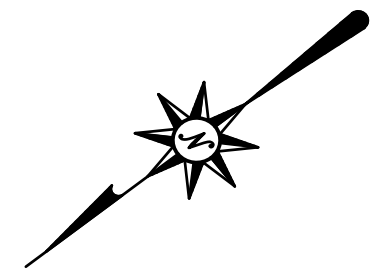
UTILITY PLAN

Sheet No.

SU-1



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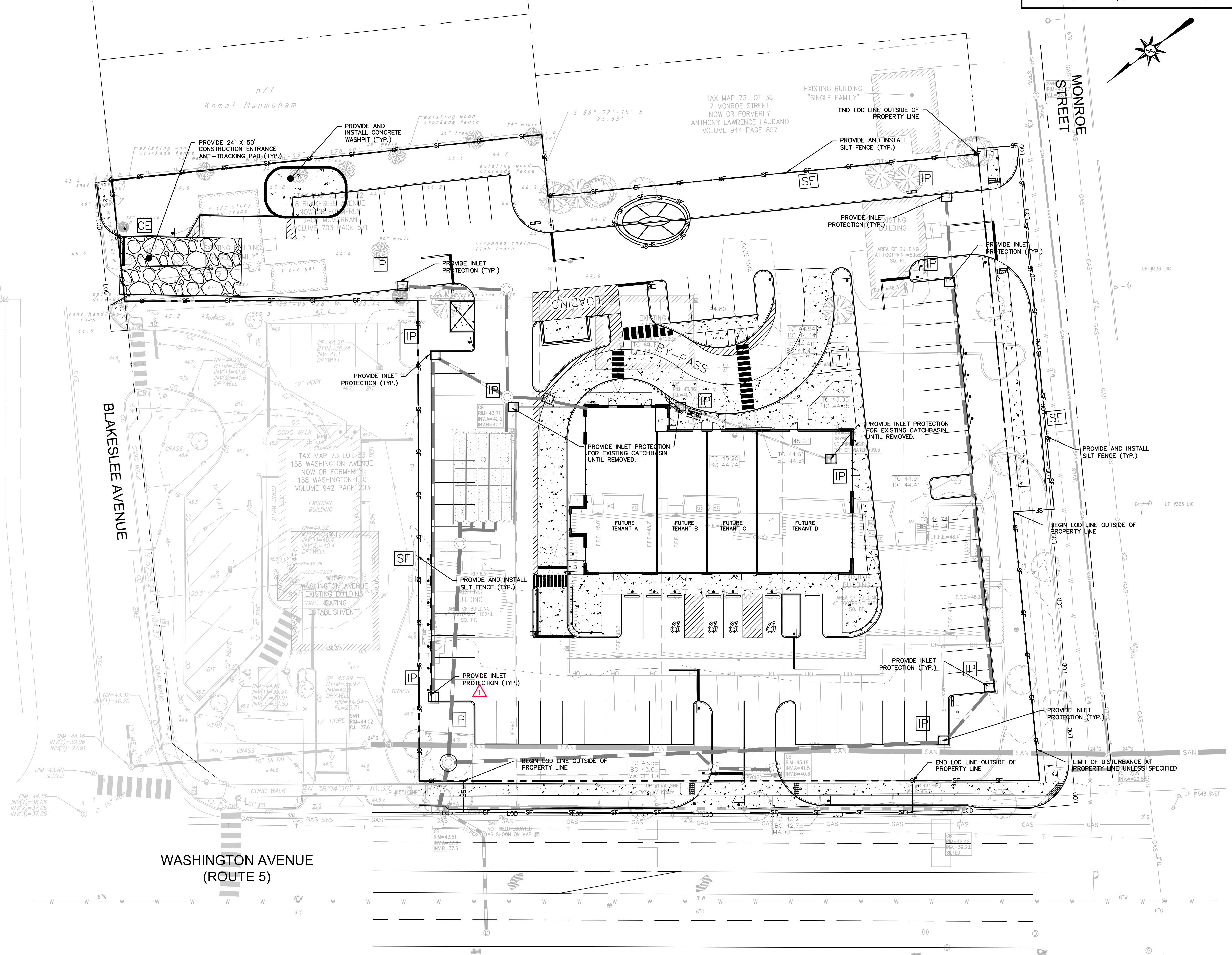


EROSION CONTROL LEGEND:

CONTROL MEASURE	ILLUSTRATION
HAY BALES AT CATCH BASINS FOR INLET PROTECTION	
SILT FENCE	
CONSTRUCTION ENTRANCE	
LIMIT OF DISTURBANCE LINE AND CONTRACT LIMIT LINE	
STOCKPILE AREA WITH DOUBLE ROW OF SILT FENCE	
CONCRETE WASHPIT	

SOIL TYPE

235B	PENWOOD URBAN LAND-TYPE A SOIL
35A	PENWOOD LOAMY SAND-TYPE A SOIL
307	URBAN LAND-TYPE D SOIL



355 Research Parkway
Meriden, CT 06450
(203) 630-1406
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PROPOSED DEVELOPMENT
144 WASHINGTON AVE (ROUTE 5)
NORTH HAVEN, CONNECTICUT

4/26/2021
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1/13/2022
1/27/2022
1/27/2022

REVISION	DATE
BULLETIN #1 - SITE REVISIONS	4/26/2021
BULLETIN #2 - ADDRESS COMMENTS	5/10/2021
BULLETIN #3 - ADDRESS COMMENTS	5/10/2021
BULLETIN #4 - ADDRESS COMMENTS	5/10/2021
BULLETIN #5 - ADDRESS COMMENTS	5/10/2021
BULLETIN #6 - ADDRESS COMMENTS	5/10/2021
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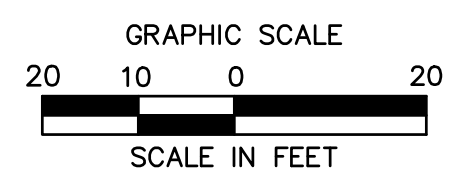
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Drawn	R.M.D.
Reviewed	S.M.K.
Scale	1"=20'
Project No.	1901997
Date	07/07/2021
CAD File:	EC190199701

SEDIMENT AND EROSION CONTROL PLAN

Sheet No.

EC-1

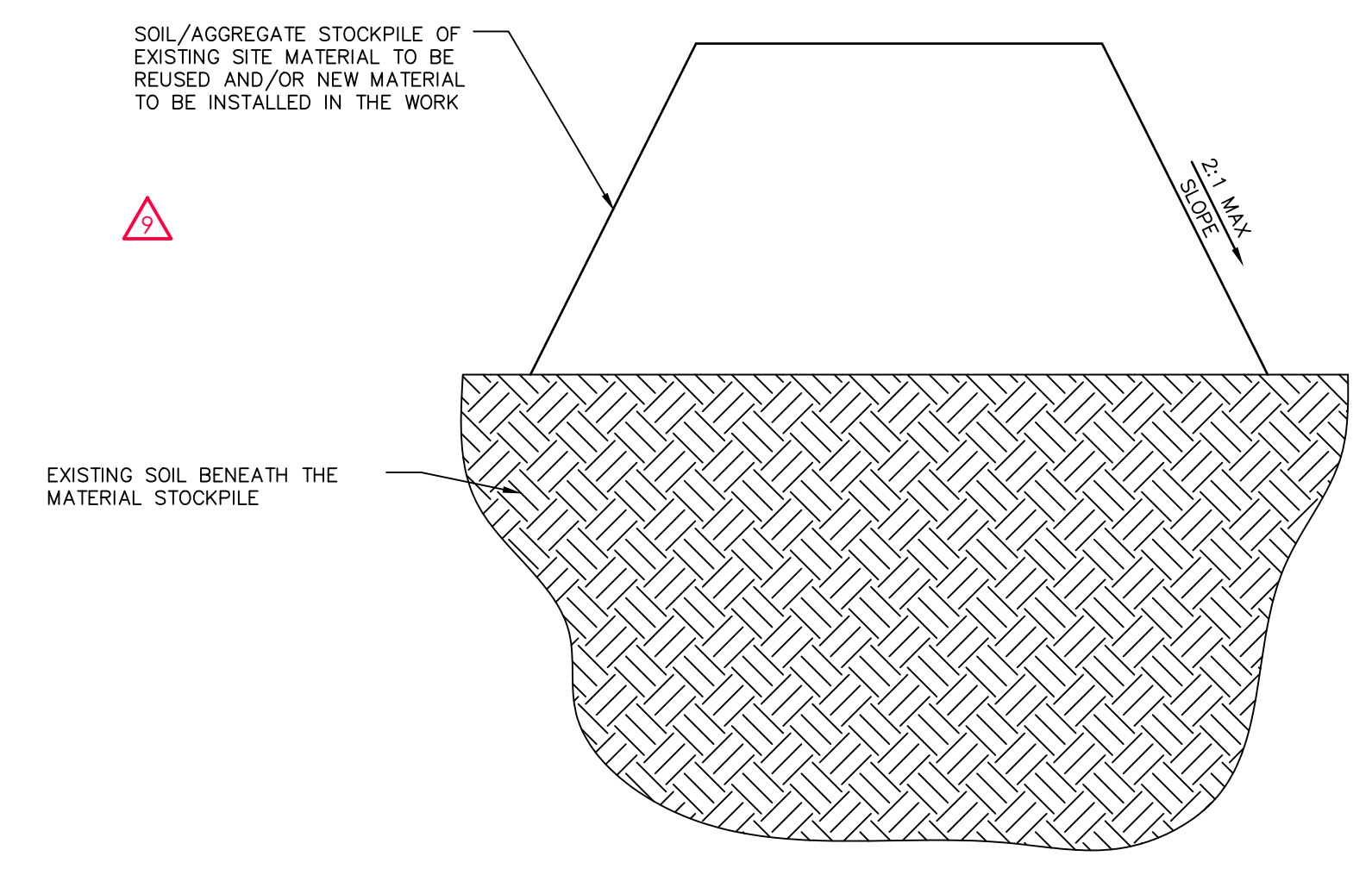
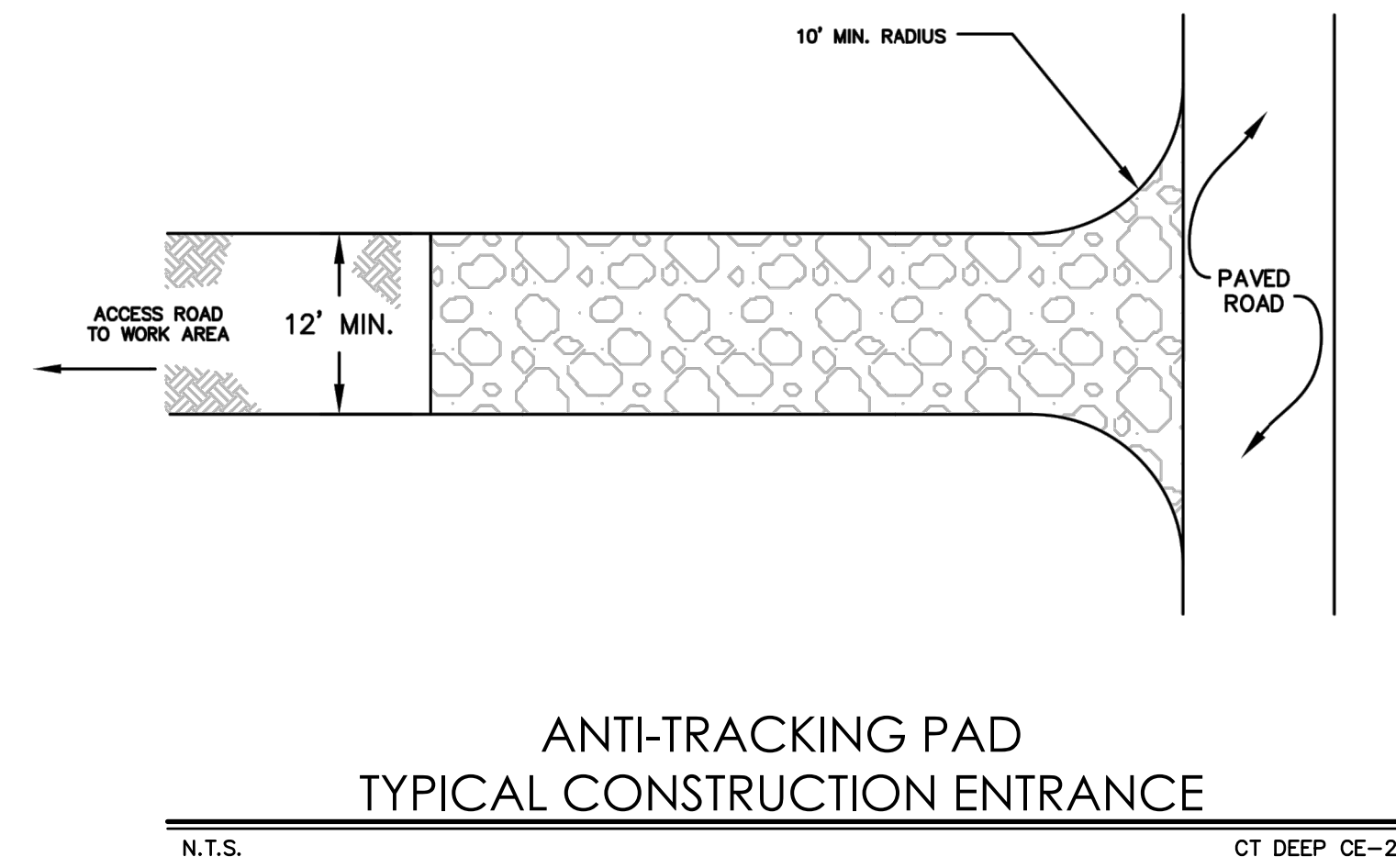
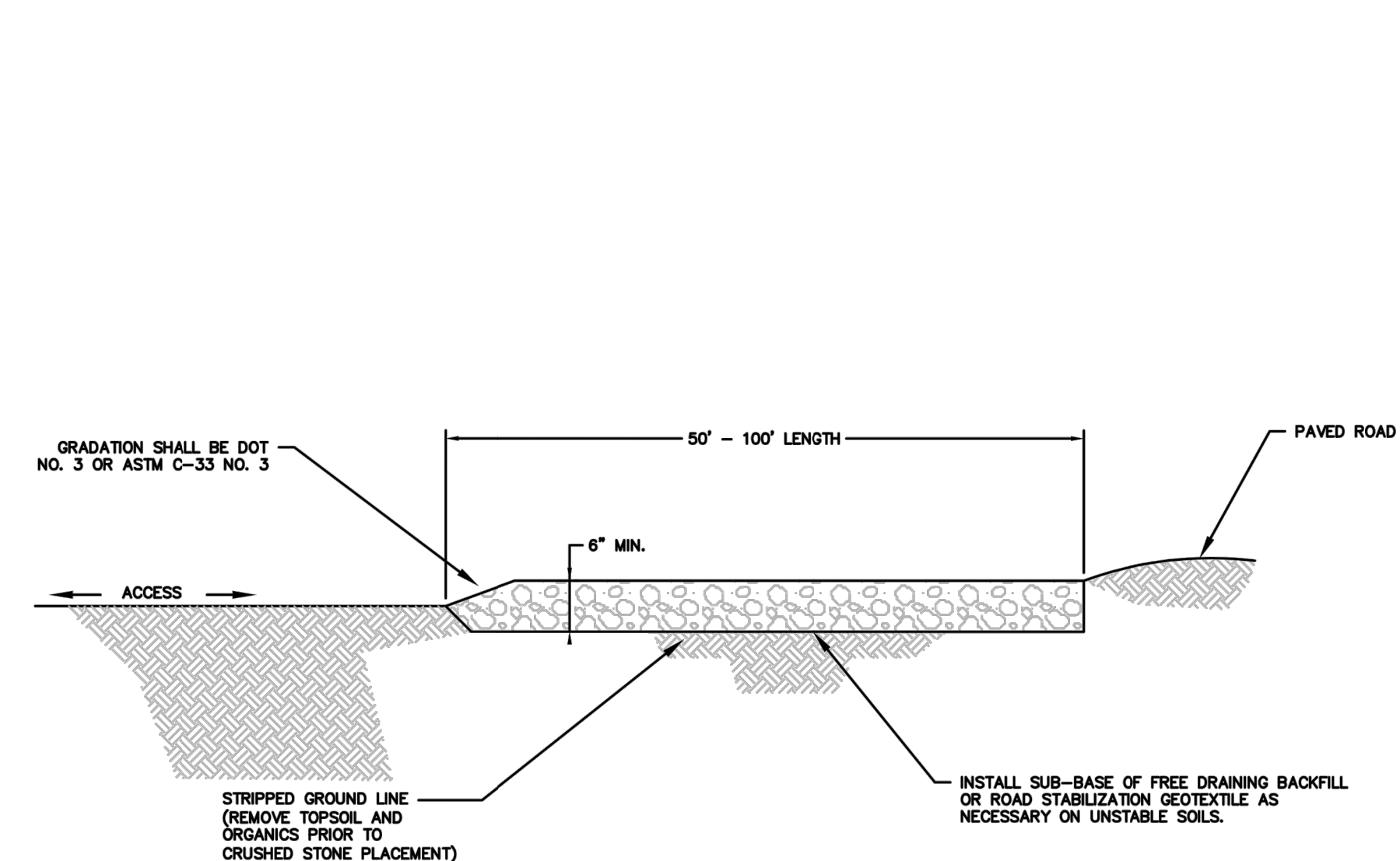
NOTE: THE PROPERTY OWNER, AND/OR HIS/HER AGENTS, MUST MAINTAIN (REPAIR/REPLACE) WHEN NECESSARY, THE SILTATION CONTROL UNTIL ALL DEVELOPMENT ACTIVITY IS COMPLETED AND ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.



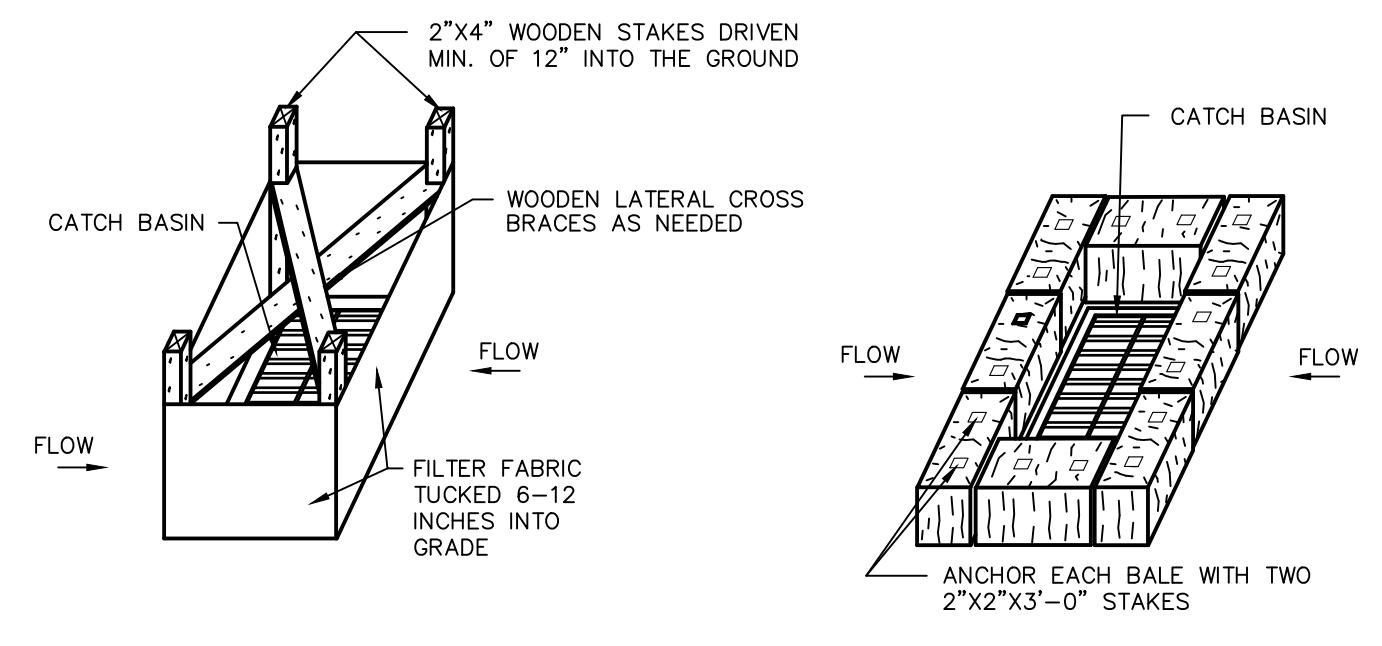
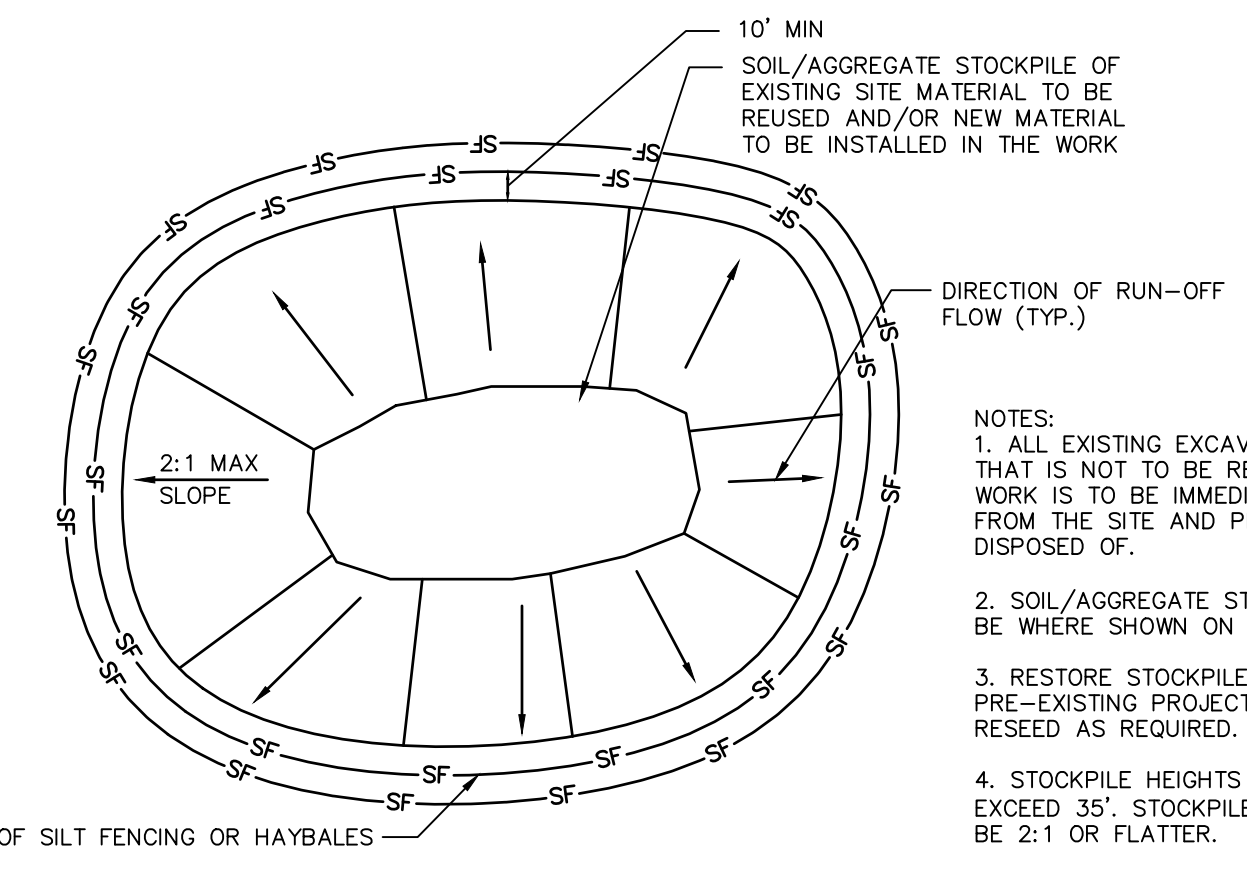
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6/23/2021	REVISION 20 - ADDRESS TOWN COMMENTS

Designed	R.M.D.
Drawn	R.M.D.
Reviewed	S.M.K.
Scale	NONE
Project No.	1901997
Date	07/07/2021
CAD File:	EC190199701

Title
SEDIMENT AND EROSION CONTROL DETAILS
Sheet No.



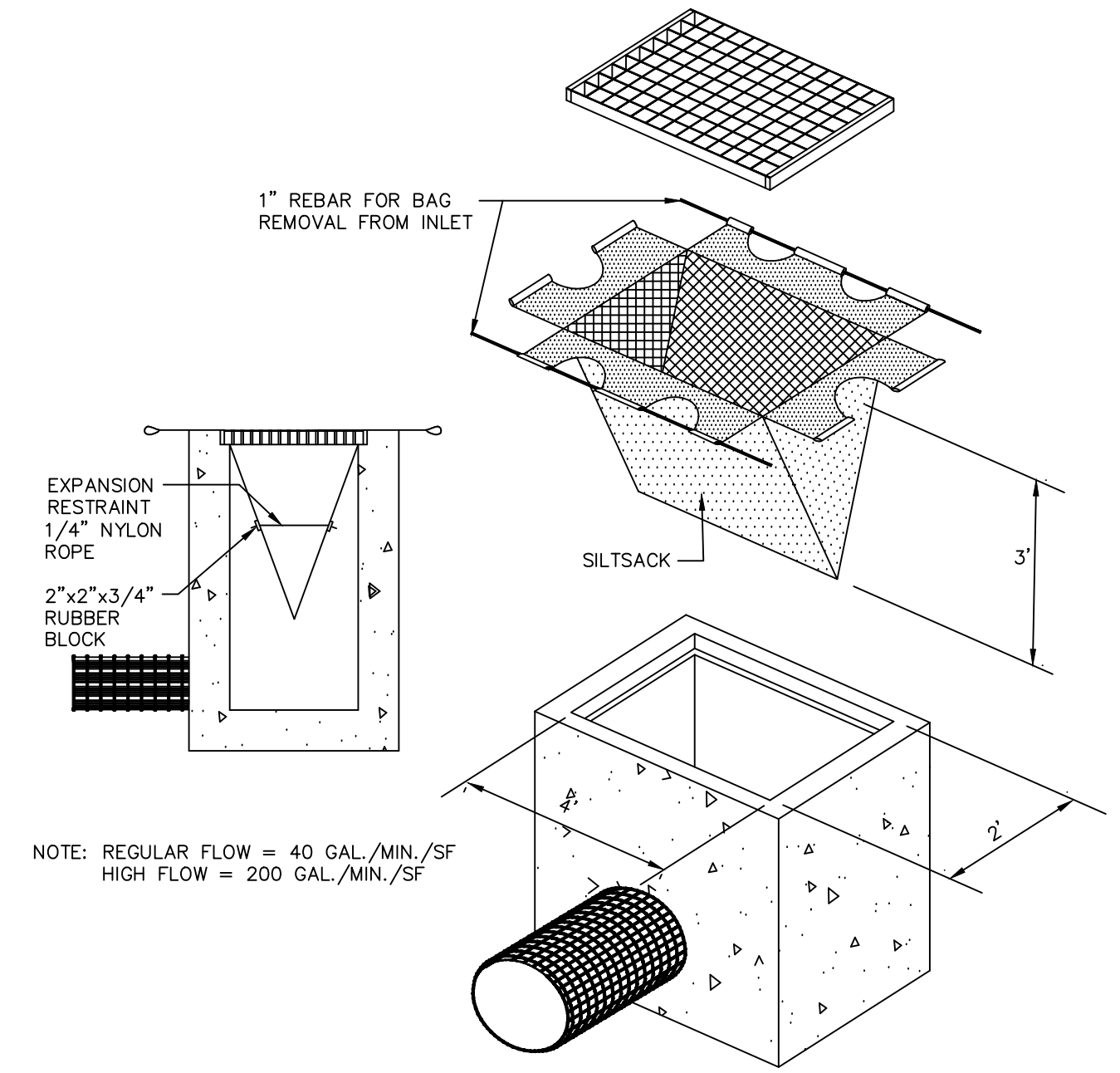
MATERIALS STOCKPILE DETAIL
N.T.S. BLEC-006



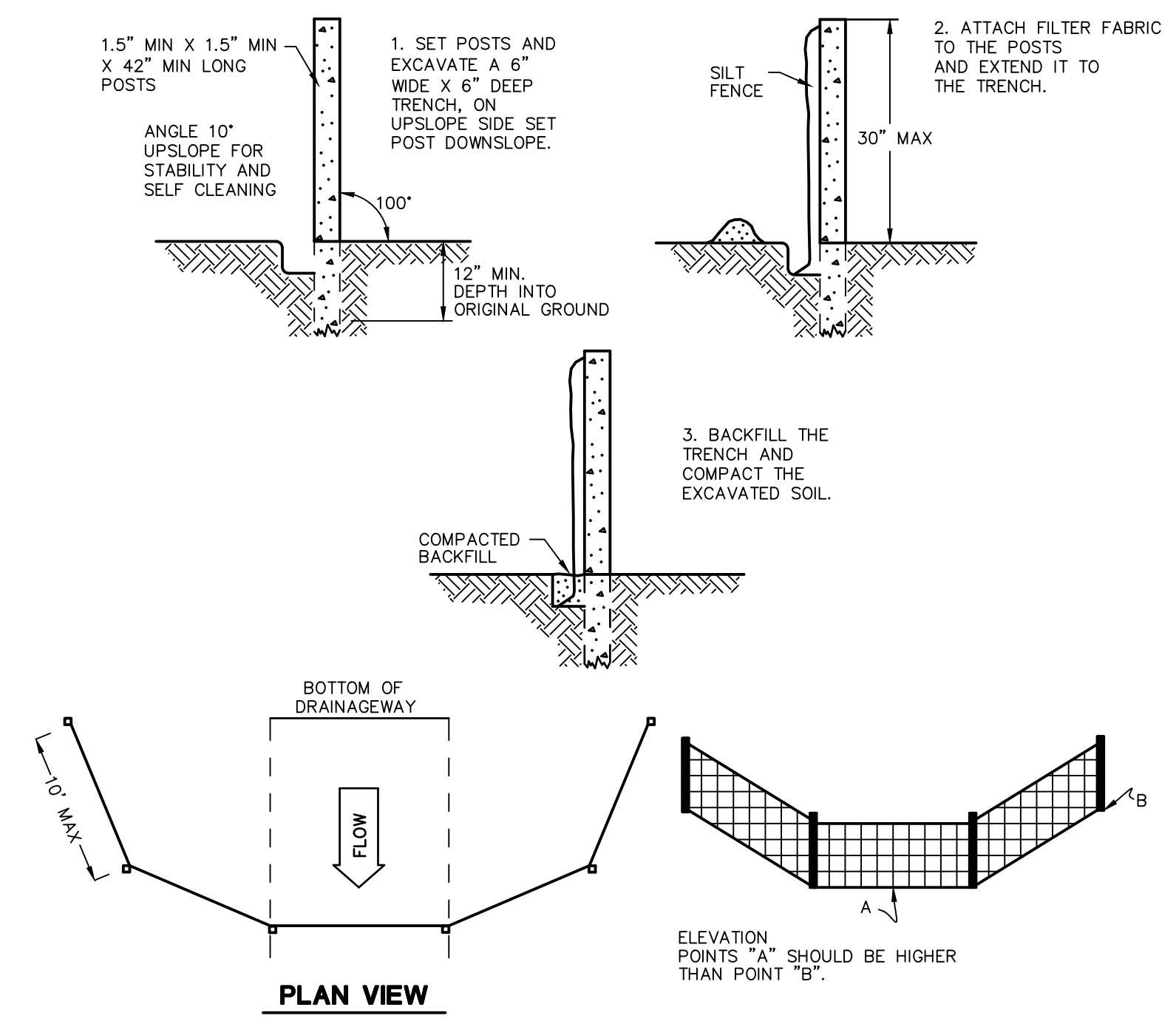
SILT FENCE INSTALLATION AT CATCH BASINS AT LOW POINTS
STORMWATER INLETS WHICH DO NOT DISCHARGE TO SEDIMENT TRAPS OR BASINS, MUST BE PROTECTED UNTIL THE TRIBUTARY AREAS ARE STABILIZED.
SEDIMENT MUST BE REMOVED FROM INLET PROTECTION AFTER EACH STORM EVENT.

HAY BALE FILTER INSTALLATION AT CATCH BASIN AT LOW POINTS

N.T.S. BLEC-012

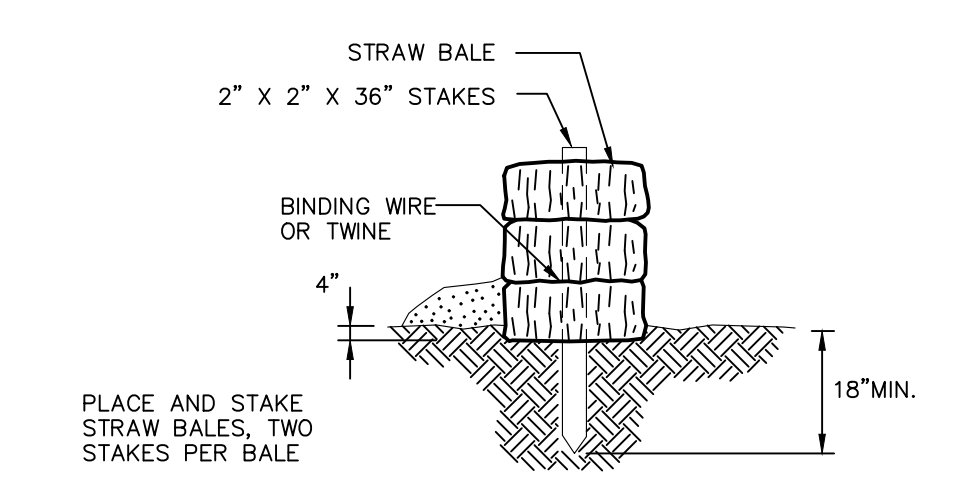


SILTSACK DETAIL
N.T.S. BLEC-005



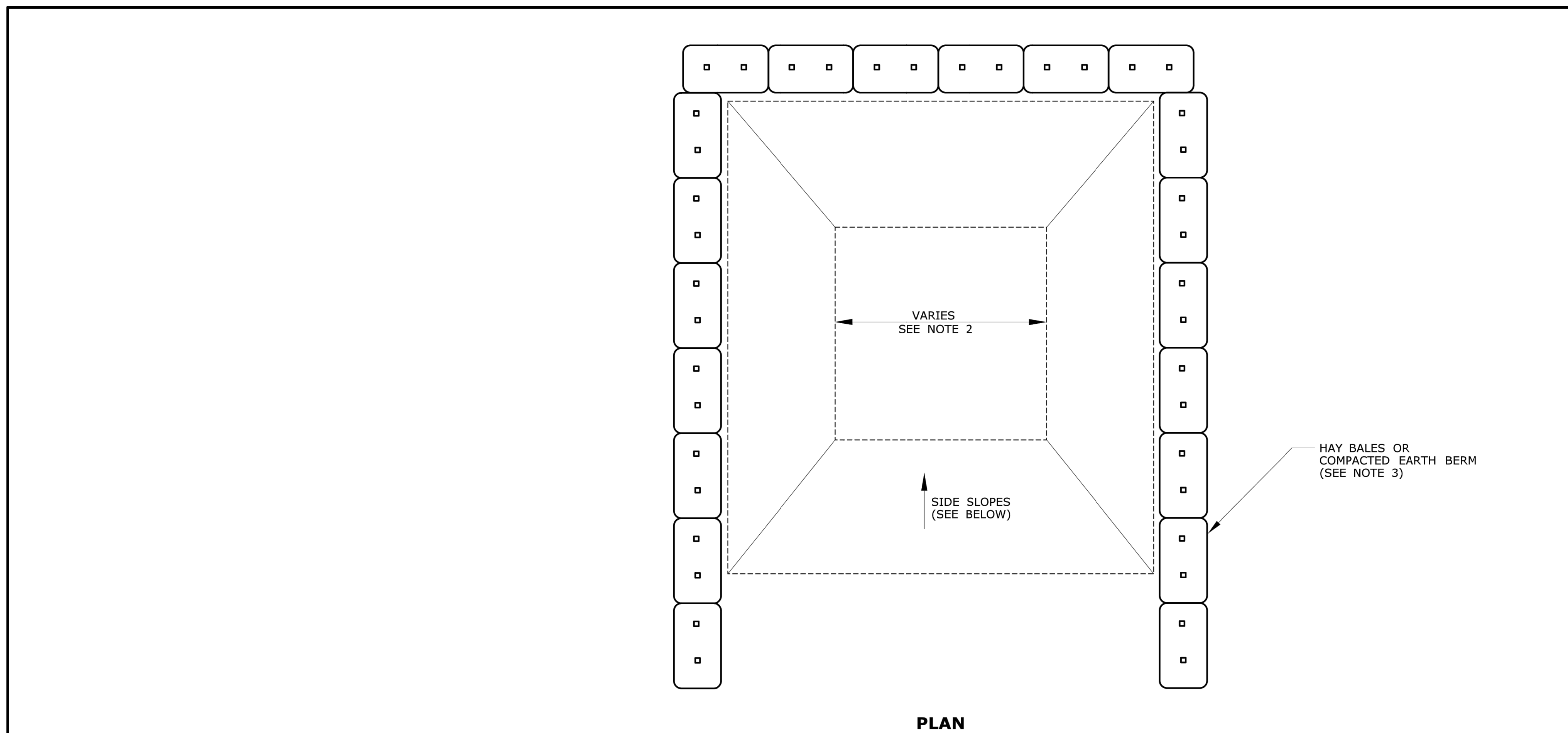
SILT FENCE BARRIER
N.T.S. CTEC-003

CATCH BASIN EROSION CONTROL
N.T.S. BLEC-012



STRAW BALE BARRIERS SHOULD NOT BE USED FOR MORE THAN 3 MONTHS
SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE ABOVE GROUND HEIGHT OF THE BARRIER.
ANY SECTION OF STRAW BALE BARRIER WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET.

STRAW BALE DETAIL
N.T.S. BLEC-007



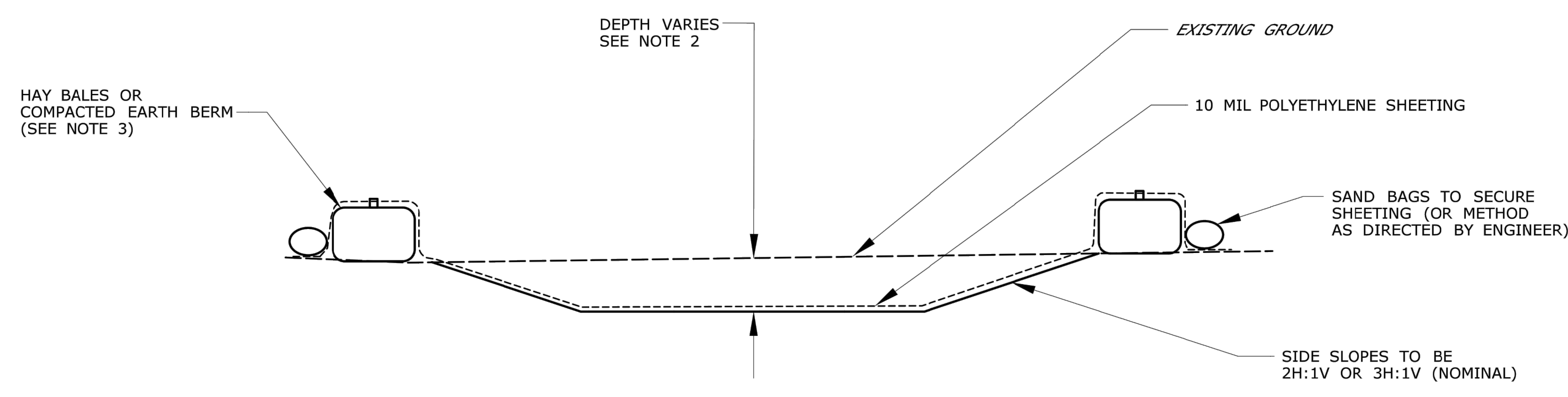
PLAN

GENERAL NOTES:

1. CONCRETE WASHOUT AREA(S) SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE. THE CONCRETE WASHOUT AREA SHALL BE ENTIRELY SELF-CONTAINED.
2. THE CONTRACTOR SHALL SUBMIT THE DESIGN, LOCATION AND SIZING OF THE CONCRETE WASHOUT AREA(S) WITH THE PROJECT'S EROSION AND SEDIMENTATION CONTROL PLAN AND SHALL BE APPROVED BY THE ENGINEER.


LOCATION: WASHOUT AREA(S) ARE TO BE LOCATED AT LEAST 50 FEET FROM ANY STREAM, WETLAND, STORM DRAINS, OR OTHER SENSITIVE RESOURCE. THE FLOOD CONTINGENCY PLAN MUST ADDRESS THE CONCRETE WASHOUT IF THE WASHOUT IS TO BE LOCATED WITHIN THE FLOODPLAIN.

SIZE: THE WASHOUT MUST HAVE SUFFICIENT VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS INCLUDING, BUT NOT LIMITED TO, OPERATIONS ASSOCIATED WITH GROUT AND MORTAR.
3. SURFACE DISCHARGE IS UNACCEPTABLE. THEREFORE, HAY BALES OR OTHER CONTROL MEASURES, AS APPROVED BY THE ENGINEER, SHOULD BE USED AROUND THE PERIMETER OF THE CONCRETE WASHOUT AREA FOR CONTAINMENT.
4. SIGNS SHOULD BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CONCRETE AREA(S) AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS. WASHOUT AREA(S) SHOULD BE FLAGGED WITH SAFETY FENCING OR OTHER APPROVED METHOD.
5. WASHOUT AREA(S) ARE TO BE INSPECTED AT LEAST ONCE A WEEK FOR STRUCTURAL INTEGRITY, ADEQUATE HOLDING CAPACITY AND CHECKED FOR LEAKS, TEARS, OR OVERFLOWS. (AS REQUIRED BY THE CONSTRUCTION SITE ENVIRONMENTAL INSPECTION REPORT) WASHOUT AREA(S) SHOULD BE CHECKED AFTER HEAVY RAINS.
6. HARDENED CONCRETE WASTE SHOULD BE REMOVED AND DISPOSED OF WHEN THE WASTE HAS ACCUMULATED TO HALF OF THE CONCRETE WASHOUT'S DEPTH. THE WASTE CAN BE STORED AT AN UPLAND LOCATION, AS APPROVED BY THE ENGINEER. ALL CONCRETE WASTE SHALL BE DISPOSED OF IN A MANNER CONSISTENT WITH ALL APPLICABLE LAWS, REGULATIONS, AND GUIDELINES.
7. PAYMENT FOR THIS ITEM IS TO BE INCLUDED UNDER THE GENERAL COST OF THE WORK FOR THE PROJECT, INCLUDING SITE RESTORATION.



CONCRETE WASHOUT AREA
NOT TO SCALE
(SEE NOTE 2)

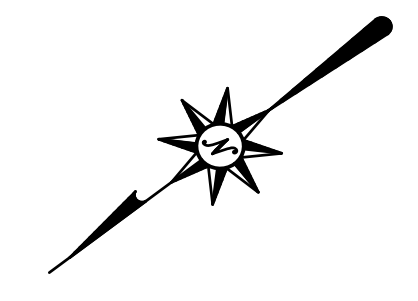
DESIGN INITIATED CHANGE ORDER NO. Y - mm/dd/yy

DESIGNER/DRAFTER: -	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/ BLOCK: -	PROJECT TITLE: -	TOWN: -	PROJECT NO. -	
CHECKED BY: -		OFFICE OF ENGINEERING	APPROVED BY: -	DRAWING TITLE: CONCRETE WASHOUT AREA	DRAWING NO. -	
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 1/30/2019		

- BULLETIN #1 - SHEET REVISIONS
- BULLETIN #2 - SHEET REVISIONS
- BULLETIN #3 - SHEET REVISIONS
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- BULLETIN #19 - SHEET REVISIONS
- BULLETIN #20 - SHEET REVISIONS

Designed R.M.D.
Drawn R.M.D.
Reviewed S.M.K.
Scale NONE
Project No. 1901997
Date 07/07/2021
CAD File: EC190199701

Title
SEDIMENT AND EROSION CONTROL DETAILS
Sheet No.

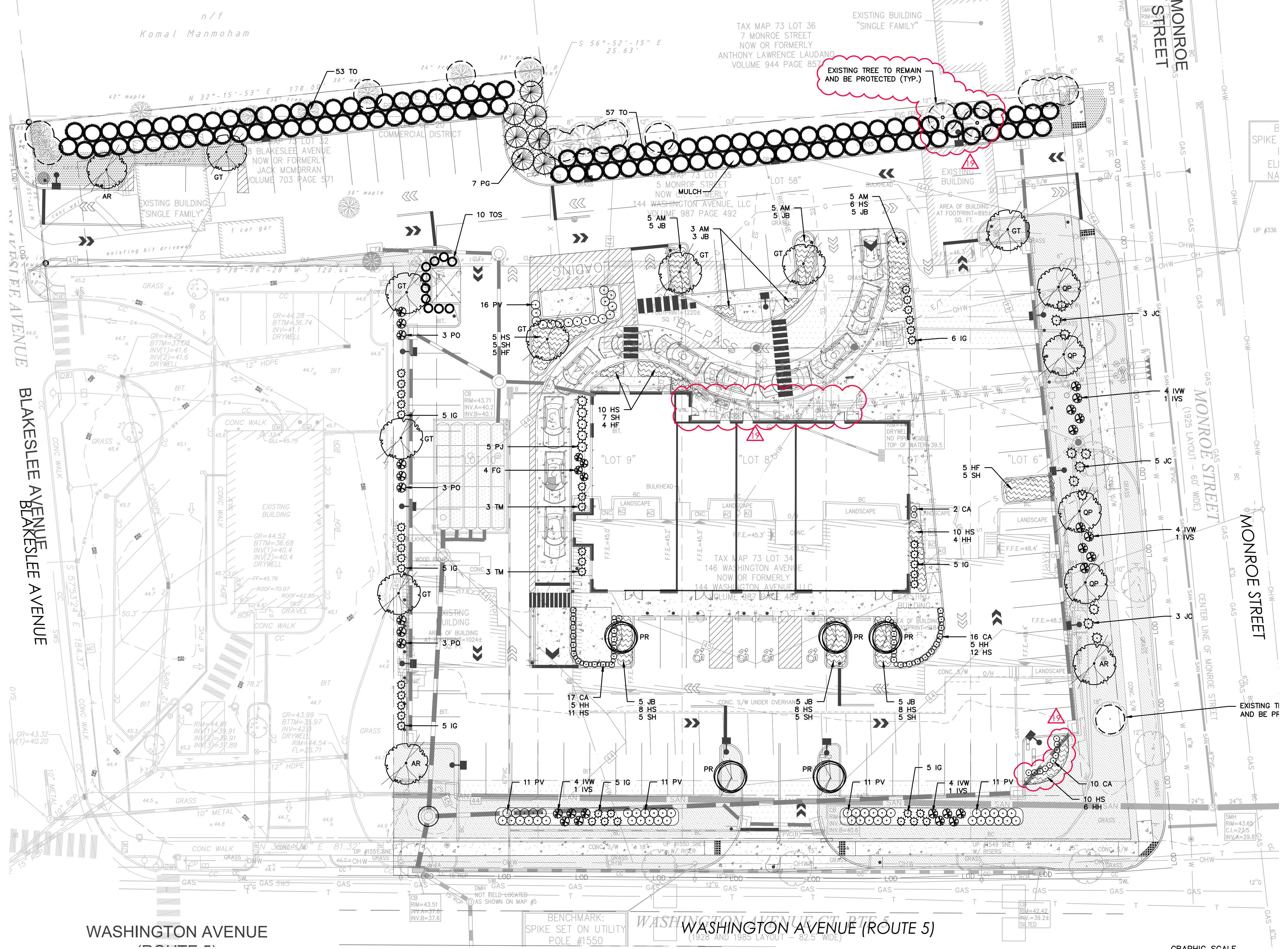


LANDSCAPE PLANT SCHEDULE						
TREES						
KEY	QTY	BOTANICAL NAME	COMMON NAME	ROOT	SIZE	COMMENTS
AR	3	Acer rubrum 'Frankred'	RED SUNSET RED MAPLE	B&B	2" CAL. MIN.	6' BRANCH HT. MIN.
GT	8	Gleditsia triacanthos var. inermis 'Shademaster'	SHADEMASTER HONEYLOCUST	B&B	2" CAL. MIN.	6' BRANCH HT. MIN.
PG	7	Picea glauca	WHITE SPRUCE	B&B	6" HT. MIN.	PLANT 10' O.C.
PR	5	Prunus x incam 'Okame'	OKAME FLOWERING CHERRY	B&B	2" CAL. MIN.	5' BRANCH HT. MIN.
QP	4	Quercus palustris	PIN OAK	B&B	2" CAL. MIN.	6' BRANCH HT. MIN.
TO	110	Thuja occidentalis 'Techny'	TECHNY ARBORVITAE	B&B OR CONT.	6" HT. MIN.	PLANT 6' O.C.
TOS	10	Thuja occidentalis 'Smaragd'	EMERALD ARBORVITAE	B&B OR CONT.	6" HT. MIN.	PLANT 6' O.C.
SHRUBS						
AM	18	Aronia melanocarpa 'UCONNAM165'	LOW SCAPE MOUND CHOKEBERRY	CONT.	12" HT. MIN.	PLANT 3' O.C.
FG	4	Fothergilla gardenii	DWARF FOTHERGILLA	CONT.	18" HT. MIN.	PLANT 3' O.C.
HF	14	Hypericum frondosum 'Sunburst'	GOLDEN ST. JOHN'S WORT	CONT.	18" HT. MIN.	PLANT 30" O.C.
IG	36	Ilex glabra 'Compacta'	COMPACT INKBERRY	CONT.	30" HT. MIN.	PLANT 3.5' O.C.
IVW	16	Ilex verticillata 'Winter Red'	WINTER RED WINTERBERRY (FEMALE)	CONT.	30" HT. MIN.	PLANT 3.5' O.C.
IVS	4	Ilex verticillata 'Southern Gentleman'	SOUTHERN GENTLEMAN WINTERBERRY (MALE)	CONT.	30" HT. MIN.	PLANT 3.5' O.C.
JC	11	Juniperus chinensis 'Sea Green'	SEA GREEN JUNIPER	CONT.	30" HT. MIN.	PLANT 5' O.C.
PJ	5	Pieris japonica 'Mountain Fire'	MOUNTAIN FIRE ANDROMEDA	CONT.	30" HT. MIN.	PLANT 4' O.C.
PO	9	Physocarpus opulifolius 'Diabolo'	PURPLE NINEBARK	CONT.	30" HT. MIN.	PLANT 4' O.C.
TM	6	Taxus x media 'Densiformis'	SEMI-DWARF YEW	CONT.	30" HT. MIN.	PLANT 3.5' O.C.
ORNAMENTAL GRASSES						
CA	45	Calamagrostis x acutiflora 'Karl Foerster'	FOERSTER FEATHER REED GRASS	CONT.	24" HT. MIN.	PLANT 36" O.C. AT PATIOS AND 24" O.C. AT SIGN
PV	60	Panicum virgatum 'Shenandoah'	SHENANDOAH SWITCHGRASS	CONT.	24" HT. MIN.	PLANT 3' O.C.
SH	32	Sporobolus heterolepis	PRARIE DROPSEED	CONT.	12" HT. MIN.	PLANT 30" O.C.
PERENNIALS AND GROUNDCOVERS						
HH	20	Hylotelephium 'Herbstfreude' AUTUMN JOY	AUTUMN JOY STONECROP	CONT.	8" HT. MIN.	PLANT 24" O.C. OR AS SHOWN AT FRONT PATIOS
HS	88	Hemerocallis sp.	DAYLILY	CONT.	8" HT. MIN.	PLANT 24" O.C. OR AS SHOWN SURROUNDING FRONT PATIOS/EQUAL MIX HAPPY RETURNS, CHICAGO APACHE, JOAN SENIOR
JB	33	Juniper squamata 'Blue Star'	BLUE STAR JUNIPER	CONT.	12" SPD.	PLANT 24" O.C.

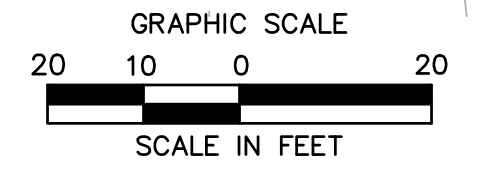
- NOTES:
- 1) ALL SUBSTITUTIONS MUST RECEIVE APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO DELIVERY TO SITE.
 - 2) PROVIDE AND INSTALL ALL PLANTS SHOWN ON THE PLANTING PLAN DRAWINGS; THE QUANTITIES IN THE PLANT LIST ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. IF DISCREPANCIES OCCUR, THE LARGER QUANTITY SHALL APPLY.
 - 3) IF THERE IS A DISCREPANCY BETWEEN BOTANICAL AND COMMON NAME, BOTANICAL NAME PREVAILS.
 - 4) ALL LAWN AND LANDSCAPED AREAS ARE TO BE SERVICED BY AN AUTOMATIC SPRINKLER SYSTEM. THE CONTRACTOR SHALL SUBCONTRACT TO AN IRRIGATION CONSULTANT TO DESIGN AND INSTALL THE IRRIGATION SYSTEM.
 - 5) ANY LANDSCAPE MATERIAL CHANGES MUST RECEIVE PRIOR APPROVAL FROM NORTH HAVEN LAND USE STAFF.

LEGEND

- [Stippled pattern] PROVIDE AND INSTALL LAWN SEED MIX
- [Wavy pattern] PROVIDE AND INSTALL PERENNIALS / GROUNDCOVERS
- [Circle with crosshairs] PROVIDE AND INSTALL DECIDUOUS CANOPY TREE
- [Circle with vertical lines] PROVIDE AND INSTALL ORNAMENTAL FLOWERING TREE
- [Circle with horizontal lines] PROVIDE AND INSTALL EVERGREEN TREE
- [Circle with diagonal lines] PROVIDE AND INSTALL SHRUB
- [Circle with dots] PROVIDE AND INSTALL ORNAMENTAL GRASS



SEE SHEET LL-2 FOR LANDSCAPE NOTES AND DETAILS



PROPOSED DEVELOPMENT
144 WASHINGTON AVE (ROUTE 5)
NORTH HAVEN, CONNECTICUT

REVISIONS:

4/26/2021	REVISION #1 - SHEET REVISIONS
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1/27/2022	REVISION #14 - ADDRESS CORRECTIONS
1/27/2022	REVISION #15 - ADDRESS CORRECTIONS

Designed	L.M.W.
Drawn	L.M.W.
Reviewed	W.E.V.
Scale	1" = 20'
Project No.	1901997
Date	07/07/2021
CAD File:	LL190199701

Title
LANDSCAPE PLAN

Sheet No.

LL-1

4/27/2022	REVISED	REVISED
5/19/2022	REVISED	REVISED
5/23/2022	REVISED	REVISED
6/15/2022	REVISED	REVISED
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11/27/2022	REVISED	REVISED
12/27/2022	REVISED	REVISED

Designed	L.M.W.
Drawn	L.M.W.
Reviewed	W.E.V.
Scale	NTS
Project No.	1901997
Date	07/07/2021
CAD File:	L190199701

LANDSCAPE NOTES AND DETAILS

Sheet No.

LL-2

SEED MIX NOTES

- A. LAWN SEEDING MIX:**
 15 % PERENNIAL RYEGRASS (BLEND OF 3 IMPROVED HYBRIDS)
 25 % FINE LEAF OR CREEPING FESCUE (BLEND OF 3 IMPROVED HYBRIDS)
 60 % KENTUCKY BLUEGRASS (BLEND OF 3 IMPROVED HYBRIDS)
 SEEDING RATE: 5 LBS./1,000 S.F.
 SEEDING DATES: AUGUST 15 – OCTOBER 1 AND APRIL 15 – JUNE 30 UNLESS OTHERWISE APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT.

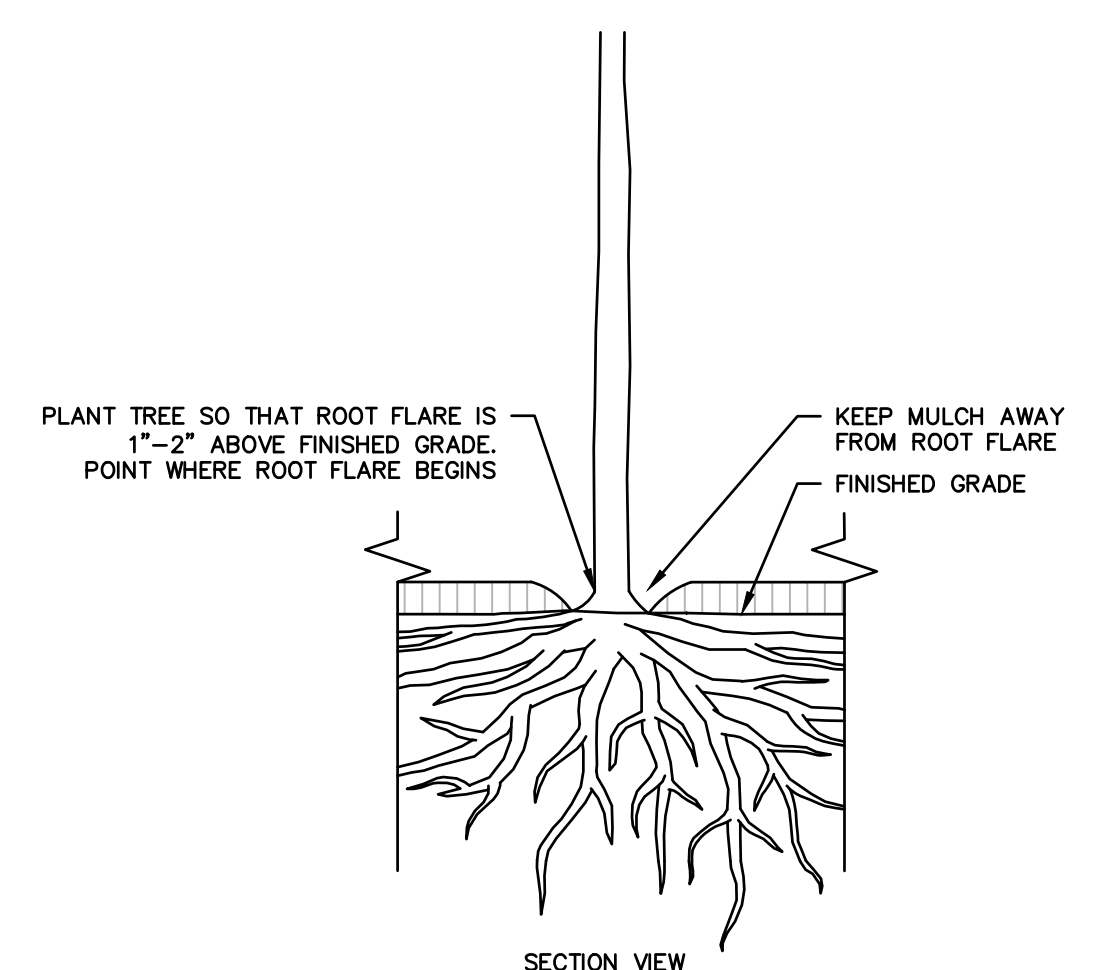
LANDSCAPE NOTES

- THE LANDSCAPE PLAN AND DETAIL SHEET ARE FOR LANDSCAPING INFORMATION ONLY. REFER TO THE OTHER PLANS FOR ALL OTHER INFORMATION.
- COORDINATE PLANT MATERIAL LOCATIONS WITH SITE UTILITIES. UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. EXERCISE CARE WHEN DIGGING IN AREAS OF POTENTIAL CONFLICT WITH UNDERGROUND OR OVERHEAD UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE DUE TO CONTRACTOR'S NEGLIGENCE AND SHALL REPLACE OR REPAIR ANY DAMAGE AT CONTRACTOR'S EXPENSE. PRIOR TO DIGGING AND INSTALLATION OF PLANT MATERIAL, THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" 72 HOURS BEFORE COMMENCEMENT OF WORK AT (800)922-4455 AND VERIFY ALL UTILITY SYSTEM LOCATIONS.
- LOCATIONS FOR PLANT MATERIAL ARE APPROXIMATE AND ARE SUBJECT TO FIELD ADJUSTMENT DUE TO UTILITY LOCATIONS AND SITE CONDITIONS. THE CONTRACTOR SHALL ACCURATELY STAKE OUT THE LOCATIONS FOR ALL PLANTS FOR THE REVIEW, ADJUSTMENT, AND APPROVAL BY OWNER OR LANDSCAPE ARCHITECT PRIOR TO PLANTING.
- CONTRACTOR SHALL GUARANTEE THAT ALL PLANTS SHALL BE HEALTHY AND FREE OF DISEASE FOR A PERIOD OF ONE YEAR OR JUNE 1ST OF THE YEAR FOLLOWING INSTALLATION, WHICHEVER IS LONGER. AFTER SUBSTANTIAL COMPLETION AND ACCEPTANCE BY OWNER OR LANDSCAPE ARCHITECT, CONTRACTOR SHALL REPLACE ANY DEAD OR UNHEALTHY PLANTS AT CONTRACTOR'S EXPENSE. PLANT MATERIAL REPLACEMENTS SHALL BE GUARANTEED FOR ONE FULL YEAR FROM DATE OF REPLACEMENT. REPLACEMENT PLANTS SHALL BE THE SAME AS SPECIFIED FOR THE ORIGINAL PLANTING. REPLACEMENTS SHALL BE MADE AS MANY TIMES AS NECESSARY TO ENSURE HEALTHY PLANTS. FINAL ACCEPTANCE SHALL BE MADE IF ALL PLANTS MEET THE GUARANTEE REQUIREMENTS INCLUDING MAINTENANCE. MAINTENANCE RESPONSIBILITIES INCLUDE CULтивATING, SPRAYING, WEEDING, WATERING, TIGHTENING GUYS, PRUNING, FERTILIZING, MULCHING, AND ANY OTHER OPERATIONS NECESSARY TO MAINTAIN PLANT VIABILITY. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER PLANTING AND CONTINUE UNTIL THE END OF THE GUARANTEE PERIOD. DURING THE LANDSCAPE MAINTENANCE PERIOD (GUARANTEED) THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF ANY SITE CONSTRAINTS (PHYSICAL, ENVIRONMENT, ETC.) OR MAINTENANCE DEFICIENCIES THAT MAY AFFECT LANDSCAPE VEGETATION ESTABLISHMENT.
- CONTRACTOR SHALL SUPPLY ALL LABOR, PLANTS, AND MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE WORK SHOWN ON THE DRAWINGS AND LISTED IN THE PLANT SCHEDULE. IN THE EVENT OF A DISCREPANCY BETWEEN QUANTITIES SHOWN IN THE PLANT SCHEDULE AND THOSE REQUIRED BY THE DRAWINGS, THE LARGER SHALL APPLY. ALL PLANTS SHALL BE ACCUSTOMED BY THE SUPPLY NURSERY TO THE LOCAL HARDINESS ZONE AND BE CERTIFIED THAT THE PLANTING MATERIAL HAS BEEN GROWN FOR A MINIMUM OF TWO YEARS AT THE SOURCE AND OBTAINED WITHIN 200 MILES OF PROJECT SITE UNLESS OTHERWISE APPROVED BY OWNER OR LANDSCAPE ARCHITECT.
- PLANTS SHALL HAVE TAGS THAT IDENTIFY PLANT GENUS, SPECIES, CULTIVAR (IF APPLICABLE), PLANT COMMON NAME, NAME OF SOURCE NURSERY, AND SIZE OF PLANT FOR REVIEW OF OWNER OR LANDSCAPE ARCHITECT.
- NO PLANT SHALL BE PLACED IN THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT. THE STAKING OF ALL TREES AND SHRUBS SHALL BE COMPLETED PRIOR TO PLANTING FOR APPROVAL BY THE OWNER OR LANDSCAPE ARCHITECT.
- FINAL GRADES SHALL BLEND SMOOTHLY WITH EXISTING GRADES, AND TOP AND BOTTOM OF SLOPES SHALL BE ROUNDED.
- ALL TREE AND SHRUB MASSINGS SHALL BE MULCHED TO A DEPTH OF 3". ANNUAL AND PERENNIAL BEDS SHALL BE MULCHED TO A DEPTH OF 2". MULCH SHALL BE UNCOLORED TRIPLE-SHREDED HARDWOOD BARK MULCH, AGED AT LEAST 6 MONTHS.
- IF TREE STAKING IS PROPOSED, TREE STAKING MUST BE COMPLETED THE SAME DAY AS THE TREE IS INSTALLED. ALL TREES SHALL BE STAKED OR GUYED PER DETAIL.
- LANDSCAPE PLANTING AREAS MUST BE FREE DRAINING. PAVEMENT, COMPACTED SUBGRADE, DEAD OR DYING PLANT MATERIAL, BLASTED ROCK, STONES GREATER THAN 1" IN DIAMETER, AND ANY OTHER MATERIAL HARMFUL TO PLANT GROWTH AND DEVELOPMENT SHALL BE REMOVED FROM AREAS TO BE LANDSCAPED AS REQUIRED BY PLANTING DETAILS OR SPECIFICATIONS.
- PLANTING SOIL:
DEPTH: PLANTING SOIL SHALL BE INSTALLED AT A MINIMUM DEPTH OF 4" OR AS NOTED IN THE LANDSCAPE DETAILS. PLANTING SOIL SHALL BE UTILIZED IN ALL PLANTING AREAS INCLUDING SEEDED AREAS.
TESTING: CONTRACTOR SHALL SUBMIT (2) SOIL SAMPLES PER SOIL STOCKPILE TO A CERTIFIED TESTING LABORATORY TO DETERMINE ACIDITY, ORGANIC CONTENT, MECHANICAL ANALYSIS, AVAILABLE NUTRIENTS (N,P,K,Ca,Mg,S,Fe,Mn,Zn,Cu,B,Al,Pb) AND NECESSARY AMENDMENTS TO SOIL. THE CONTRACTOR SHALL SUBMIT THE TEST RESULTS TO THE OWNER OR LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. TEST RESULTS SHALL RECOMMEND AMENDMENTS THAT WILL ALTER THE SOIL CHARACTERISTICS SUCH THAT THE CHARACTERISTICS BELOW ARE ACHIEVED AND THE PLANTING MATERIALS (CONTRACTOR TO PROVIDE LIST TO TESTING LABORATORY) WILL ACHIEVE PROPER GROWTH THAT IS NEITHER DEFICIENT NOR EXCESSIVE. THE CONTRACTOR SHALL INCORPORATE THESE AMENDMENTS AT NO INCREASE IN CONTRACT PRICE.
CHARACTERISTICS: PLANTING SOIL MAY CONSIST OF EXISTING ON-SITE SOILS, AMENDED ON-SITE SOILS, OR IMPORTED SOILS MEETING THE FOLLOWING CRITERIA:
A. NOT TO CONTAIN MATERIALS HARMFUL TO PLANT LIFE, TO BE CLEAN, FERTILE, FRIABLE, AND WELL DRAINING. ALL PLANTING SOIL SHALL BE FREE OF ANY SUBSOIL EARTH CLODS, SODS, STONES OVER 1" IN ANY DIMENSION, STICKS, ROOTS, WEEDS, LITTER AND OTHER DELETERIOUS MATERIAL. PLANTING SOIL SHALL BE UNIFORM IN QUALITY AND TEXTURE.
B. PLANTING SOIL SHALL HAVE THE FOLLOWING OPTIMUM RANGES UNLESS OTHERWISE APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT.
ORGANIC CONTENT 3% – 6% FOR LAWN OR GRASS AREAS.
 4% – 8% FOR TREE AND SHRUB PLANTERS.
 8%–16% FOR RETENTION OR DETENTION BASINS.
(BY LOSS OF IGNITION AT 375 C METHOD OF TESTING)
PH 6.0 – 7.3
C. NUTRIENT LEVELS SHALL BE ACHIEVED BY THE CONTRACTOR'S ADDITION OF AMENDMENTS TO THE PLANTING SOIL TO MEET THE OPTIMUM NUTRIENT LEVELS SPECIFIED IN THE TESTING LABORATORY REPORT FOR EACH OF PLANTS TO BE INSTALLED.
D. SOIL SHALL BE COMPACTED TO A SURFACE PENETRATION RESISTANCE OF 75–125 LBS./SQ.IN.
E. SOIL MAY BE TREATED FOR WEEDS WITH PRE-EMERGENT OR POST-EMERGENT HERBICIDE, AS NEEDED AND AS APPROPRIATE FOR THE APPLICATION SEASON OR LOCATION, OR ELIMINATE GROWTH OF UNWANTED PLANT MATERIAL. APPLY HERBICIDES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. HERBICIDE APPLICATOR MUST BE LICENSED IN THE STATE OF CONNECTICUT, AND PERFORM APPLICATIONS IN ACCORDANCE WITH LOCAL REQUIREMENTS, PERMITTING STIPULATIONS, AND ANY OTHER RESTRICTIONS INCLUDING AND IN EXCESS OF STATE AND FEDERAL REGULATIONS.
F. PROPOSED TOPSOIL SHALL MEET THE USDA SOILS TEXTURAL PERCENTAGES OF SAND, SILT, AND CLAY FOR FOLLOWING CLASSIFICATIONS:
 LOAM
 – SANDY LOAM WHERE SAND DOES NOT EXCEED 70% AND CLAY IS NOT LESS THAN 5%
 – SANDY CLAY LOAM WHERE SAND DOES NOT EXCEED 70% AND CLAY IS LESS THAN 28%
G. BIOTRENTABLE SOILS: SOIL TO BE INSTALLED IN RETENTION BASINS, PONDS, OR OTHER STORMWATER MANAGEMENT DEVICES SHALL MEET THE ABOVE DESCRIBED CHARACTERISTICS AND AS FOLLOWS:
 – SOIL SHALL NOT CONTAIN MORE THAN 20% CLAY AND LESS THAN 40% SILT.
 – SOIL SHALL HAVE AN INFILTRATION RATE BETWEEN 1/2" AND 3" PER HOUR.
H. MODIFICATION TO THE PLANTING SOIL CHARACTERISTICS DESCRIBED ABOVE MAY BE SUBMITTED FOR APPROVAL BY THE LANDSCAPE ARCHITECT. CONTRACTOR MUST DEMONSTRATE PROPOSED CHARACTERISTICS ARE EQUAL TO OR SUPERIOR TO THE SPECIFIED CHARACTERISTICS WITH RESPECT TO SUPPORTING PLANT GROWTH, AND STORMWATER MANAGEMENT.

- INSPECTION AND REVIEW: ALL PLANT MATERIAL SHALL BE SUBJECT TO INSPECTION AND ACCEPTANCE BY THE OWNER OR LANDSCAPE ARCHITECT AT THE NURSERY SOURCE OR PLACE OF GROWTH. THE CONTRACTOR SHALL COORDINATE WITH THE LANDSCAPE ARCHITECT ON A SCHEDULE FOR SOURCE VISITS AND ACCOMPANY THE OWNER OR LANDSCAPE ARCHITECT FOR ALL SOURCE INSPECTIONS. CERTIFICATES OF COMPLIANCE ARE REQUIRED FOR ALL PLANT MATERIALS. PHOTOGRAPHIC REVIEW OF PLANT MATERIAL IS ACCEPTABLE IF APPROVED BY LANDSCAPE ARCHITECT. PHOTOGRAPHS MUST BE PROVIDED IN QUANTITY AND VARIETY TO ALLOW LANDSCAPE ARCHITECT SUFFICIENT INFORMATION TO MAKE A REASONABLE DETERMINATION AS TO THE CONTRACTOR'S QUALITY. OWNER AND LANDSCAPE ARCHITECT RESERVE THE RIGHT TO ACCEPT PLANT MATERIAL DELIVERED TO THE SITE BUT PREVIOUSLY ACCEPTED IF DAMAGED OR NOT PROPERLY MAINTAINED DURING THE DELIVERY PROCESS.
- PLANTING SEASONS (UNLESS OTHERWISE APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT)

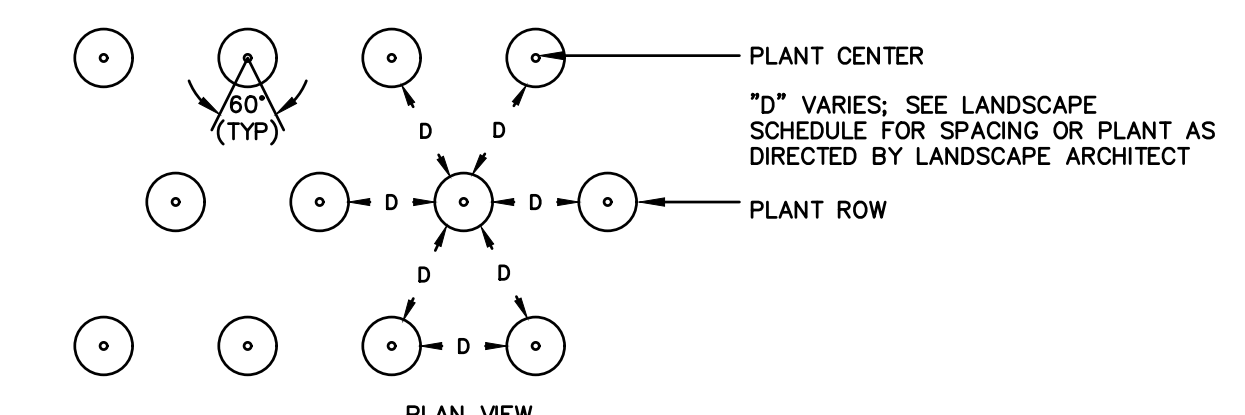
EVERGREEN TREES AND SHRUBS	SPRING	FALL
DECIDUOUS TREES AND SHRUBS	APRIL 1 TO JUNE 15	SEPTEMBER 1 TO OCTOBER 15
GROUNDCOVERS	APRIL 1 TO JUNE 15	SEPTEMBER 15 TO OCTOBER 15
PERENNIALS	APRIL 1 TO JUNE 15	SEPTEMBER 1 TO OCTOBER 15
SEED MIXES	MAY 15 TO JUNE 15	SEPTEMBER 15 TO OCTOBER 15

 PER MANUFACTURER'S RECOMMENDATIONS OR AS LISTED IN SEED MIX NOTES
- SEEDING MIXTURES: REFER TO SEED MIX NOTES. SEEDED AREA SHALL BE ACCEPTED WHEN SEED AREA ACHIEVES 90% COVERAGE.
- ALL SLOPES STEEPER THAN 3:1 RECEIVING A SEED MIX SHALL BE COVERED WITH AN EROSION CONTROL BLANKET OF STRAW FIBER AND BIODEGRADABLE OR PHOTODEGRADABLE NETTING.
- UNLESS OTHERWISE NOTED IN DRAWING SET, NEW TREELINES SHALL EQUAL CLEARING AND GRUBBING LIMIT FOR CONSTRUCTION.
- ALL DISTURBED AREAS NOT OTHERWISE DEVELOPED SHALL BE SEEDED WITH THE LAWN SEED MIX.



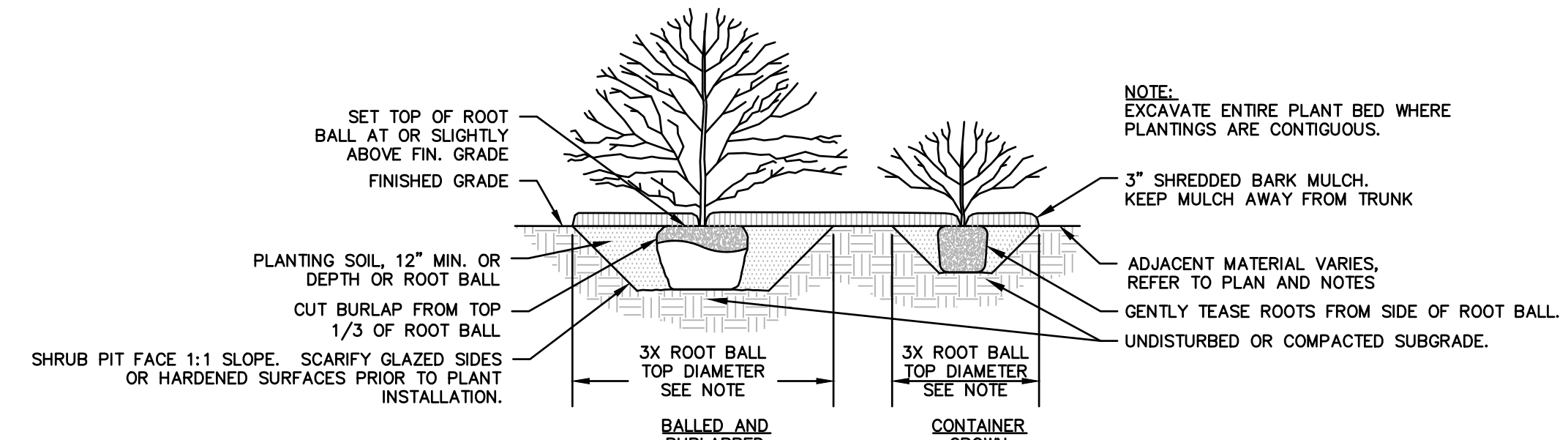
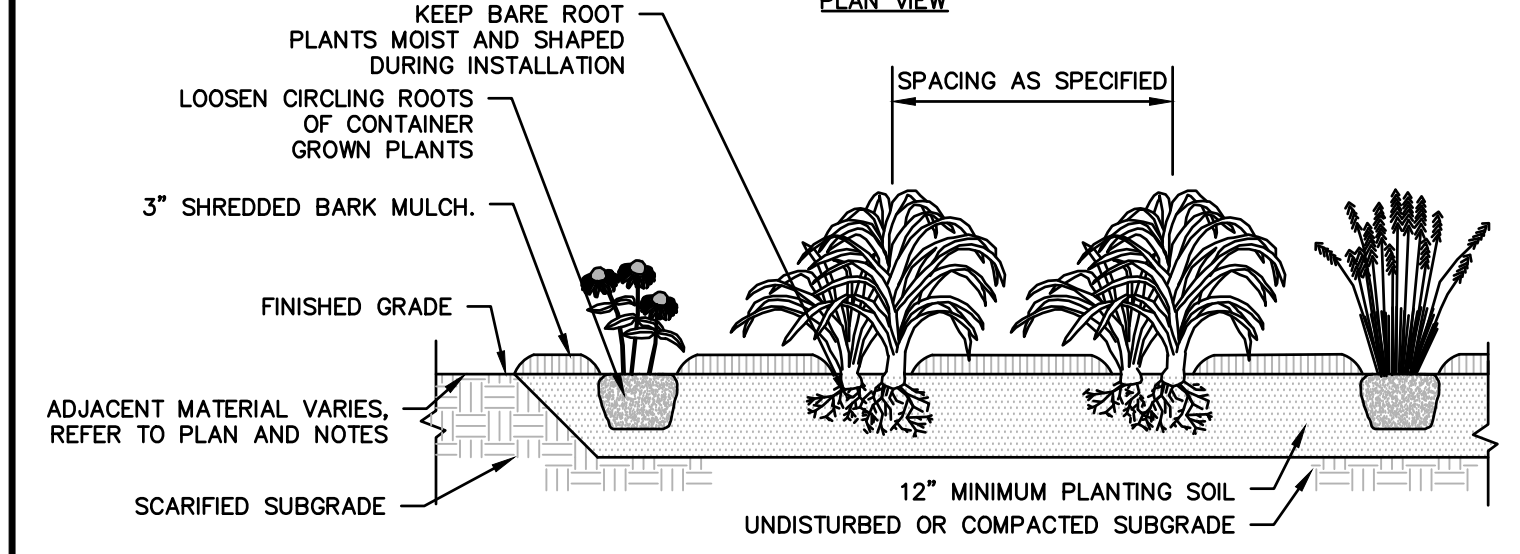
ROOT FLARE DIAGRAM

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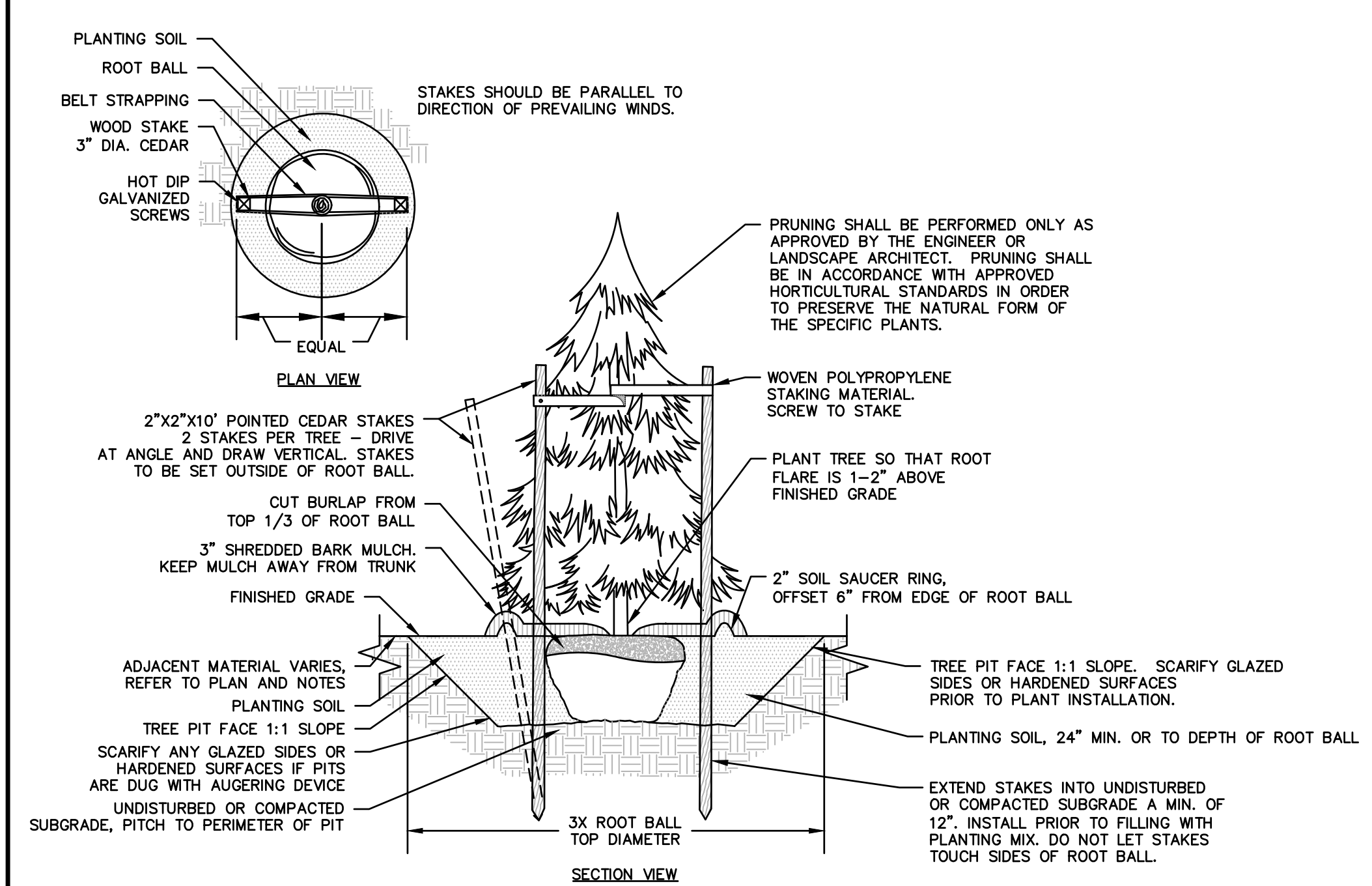
GROUNDCOVER PLANTING

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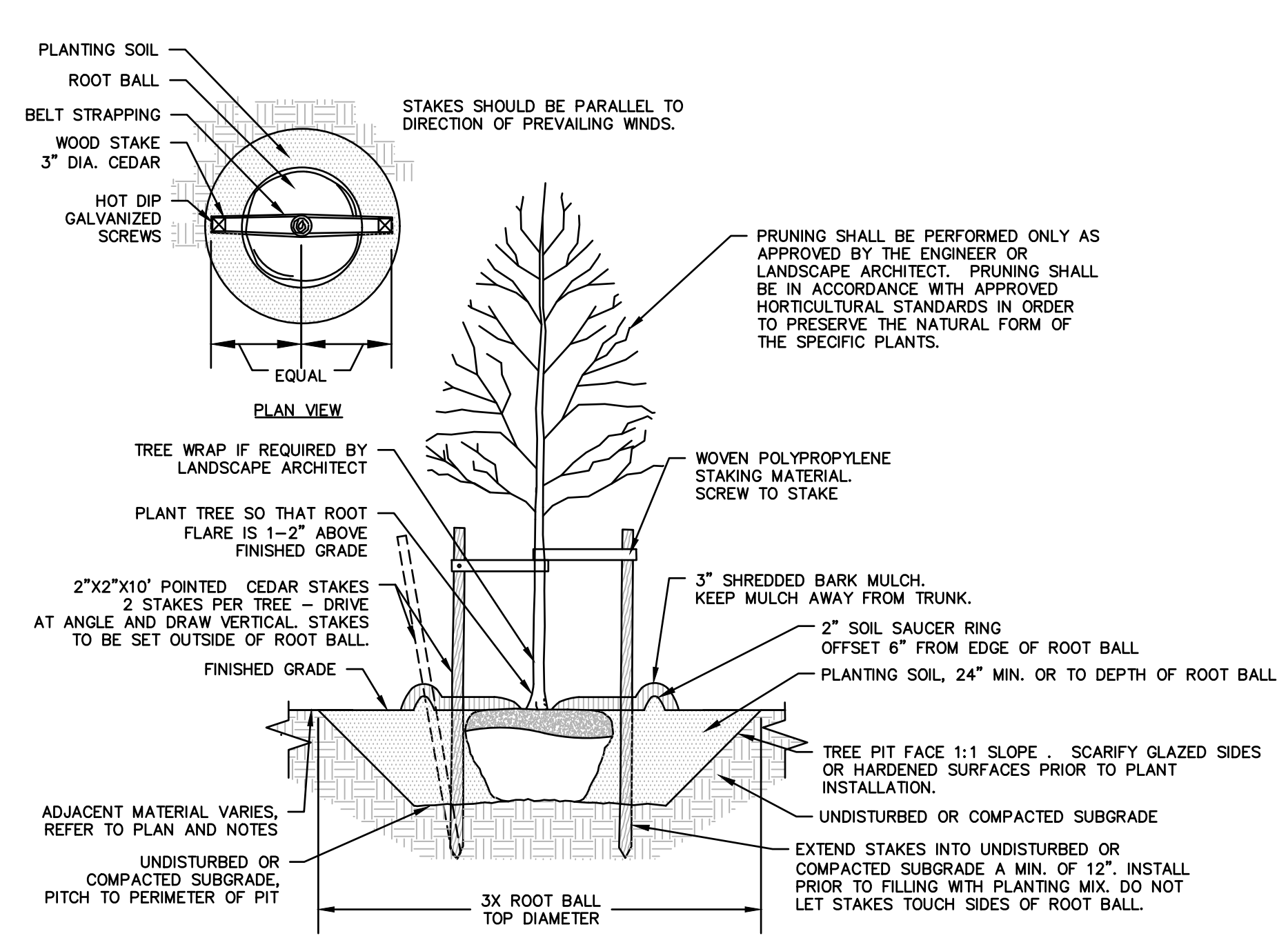
SHRUB PLANTING

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EVERGREEN TREE PLANTING

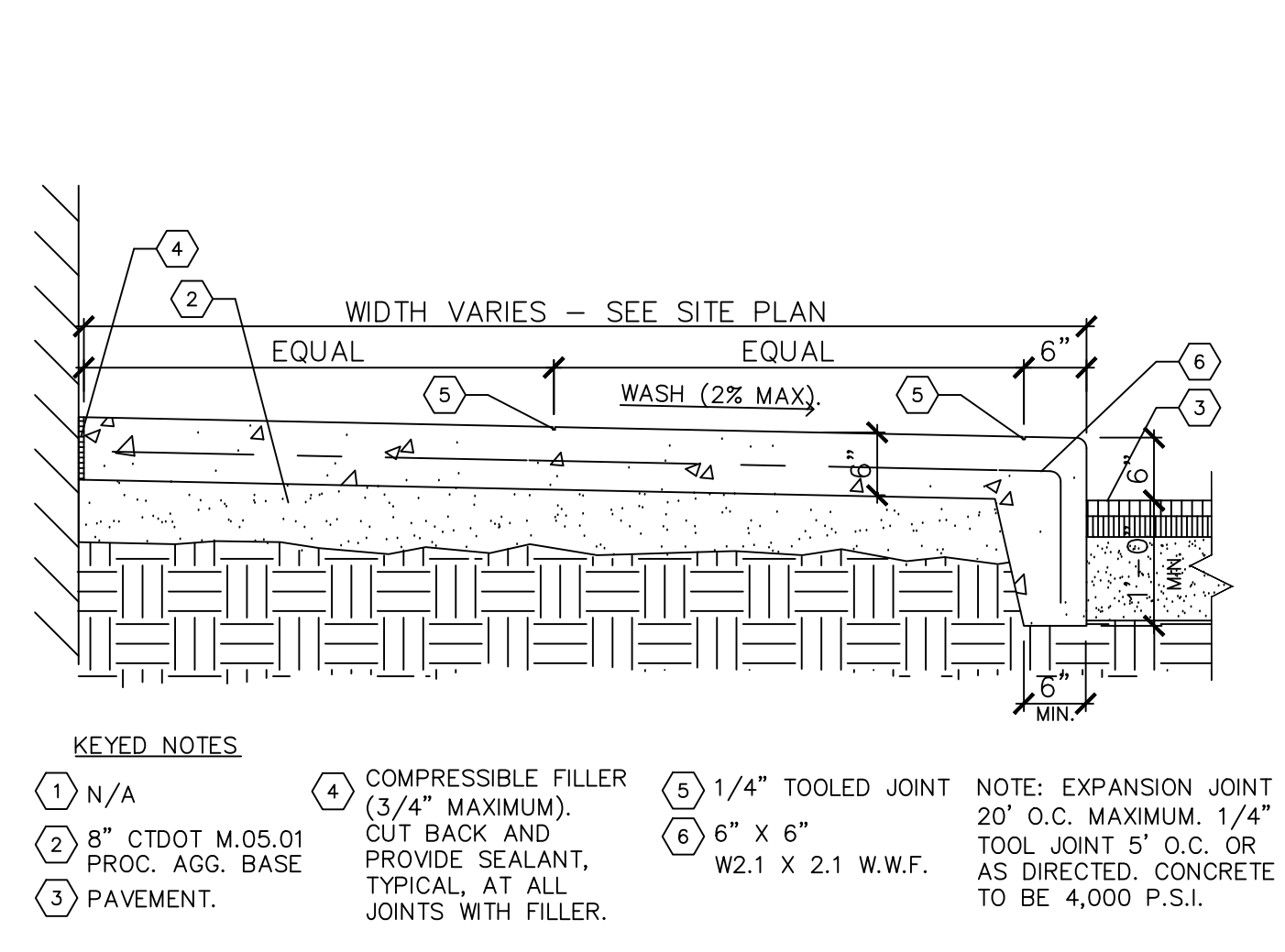
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DECIDUOUS TREE PLANTING

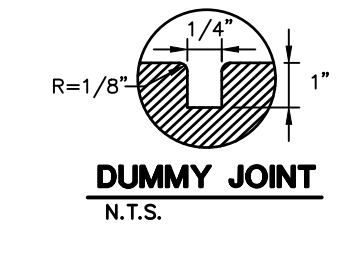
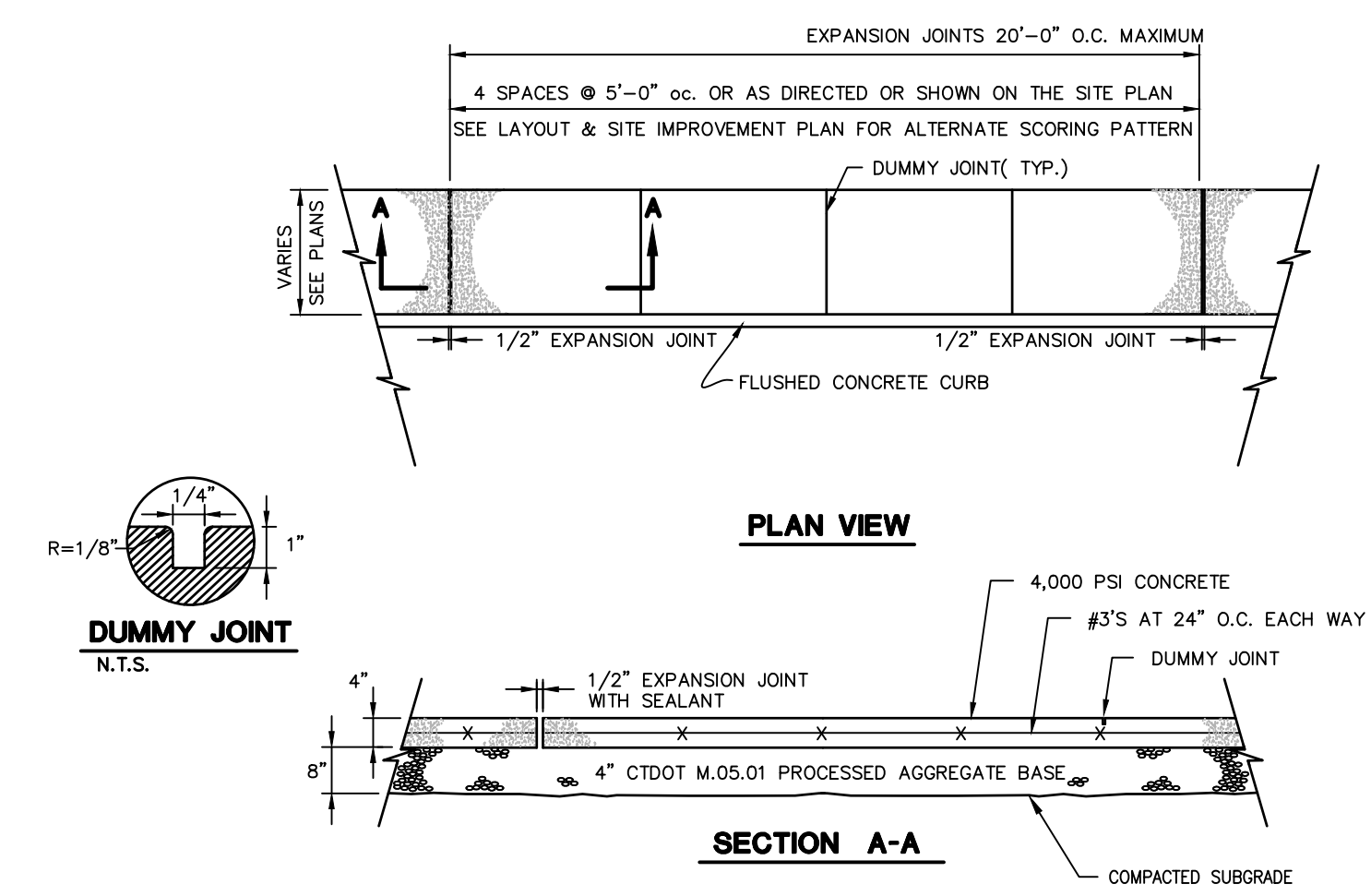
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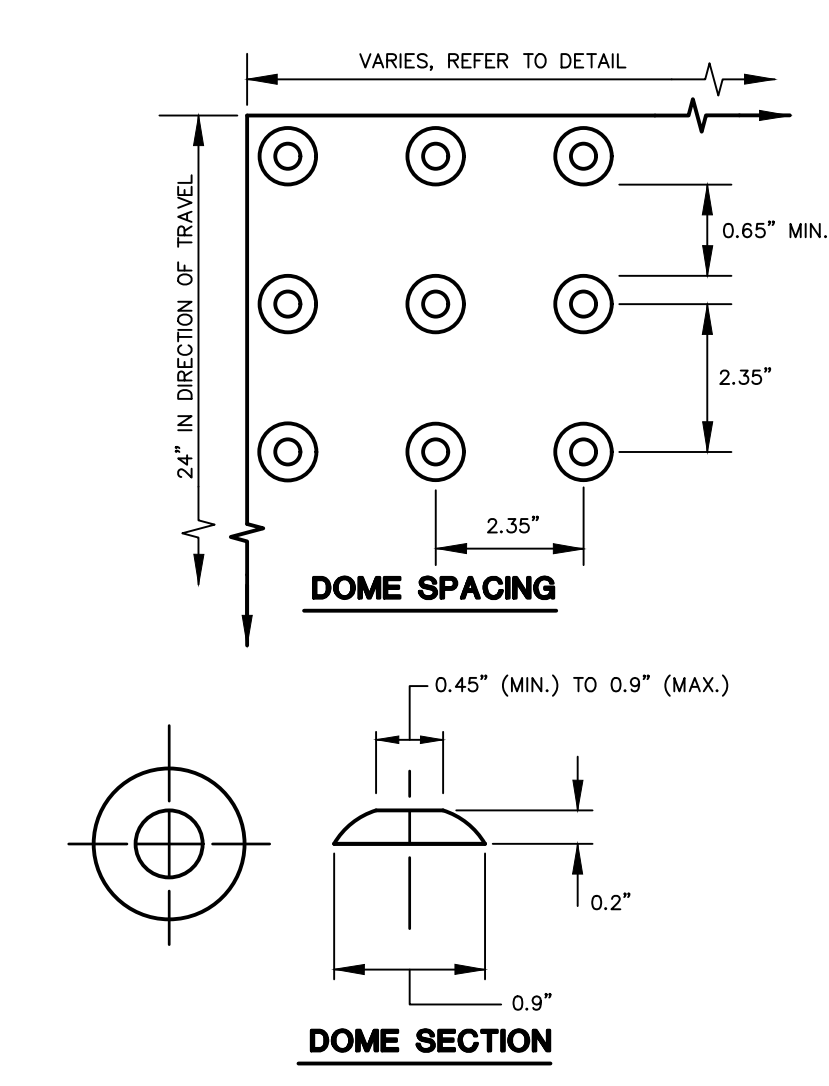


- KEYED NOTES:**
- 1) N/A
 - 2) 8" CTDOT M.05.01 PROC. AGG. BASE PAVEMENT.
 - 3) PAVEMENT.
 - 4) COMPRESSIBLE FILLER (3/4" MAXIMUM). CUT BACK AND PROVIDE SEALANT, TYPICAL, AT ALL JOINTS WITH FILLER.
 - 5) 1/4" TOOLED JOINT
 - 6) 6" X 6" W2.1 X 2.1 W.W.F.
- NOTE: EXPANSION JOINT 20' O.C. MAXIMUM, 1/4" TOOL JOINT 5' O.C. OR AS DIRECTED. CONCRETE TO BE 4,000 P.S.I.

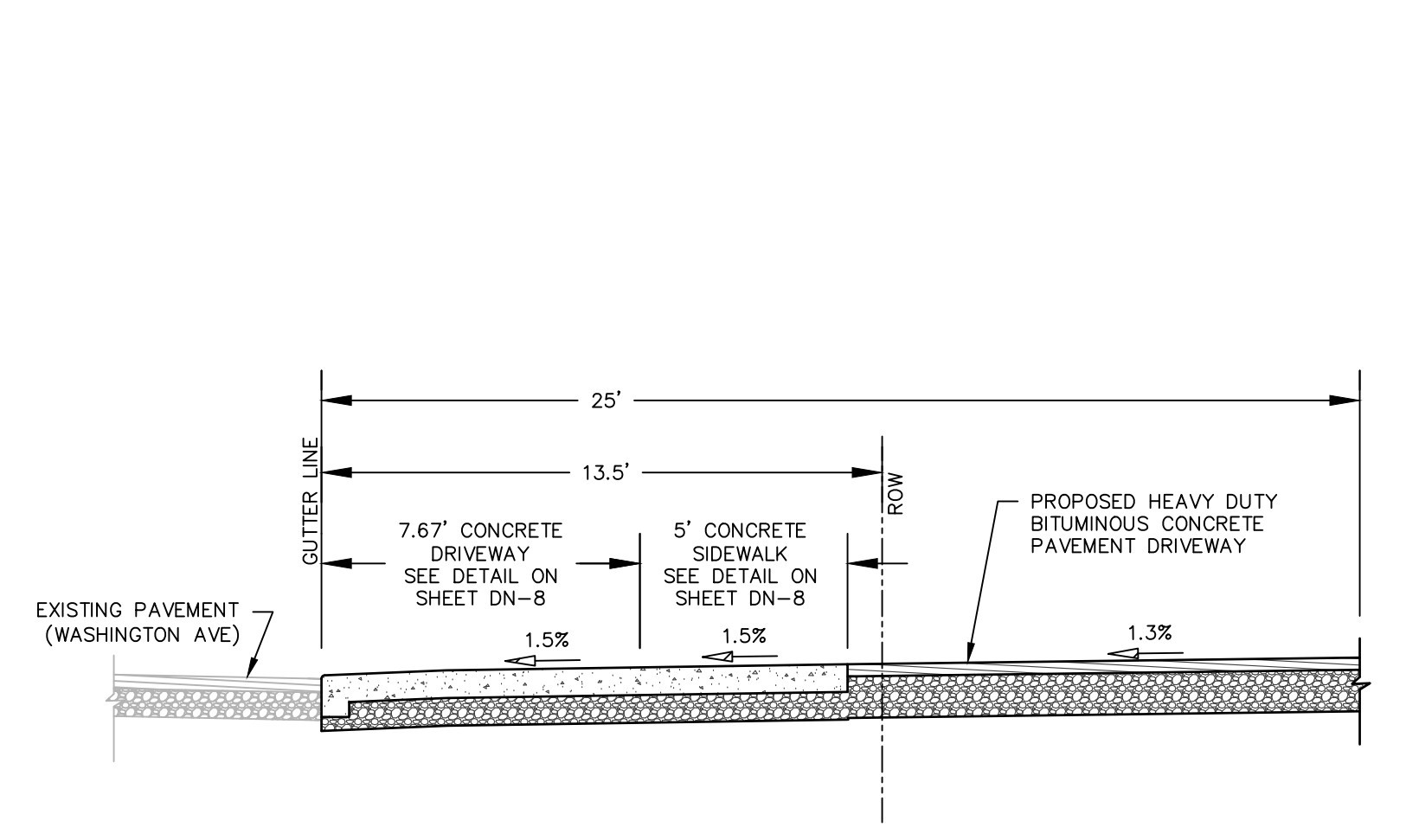
MONOLITHIC CONCRETE CURB AND SIDEWALK
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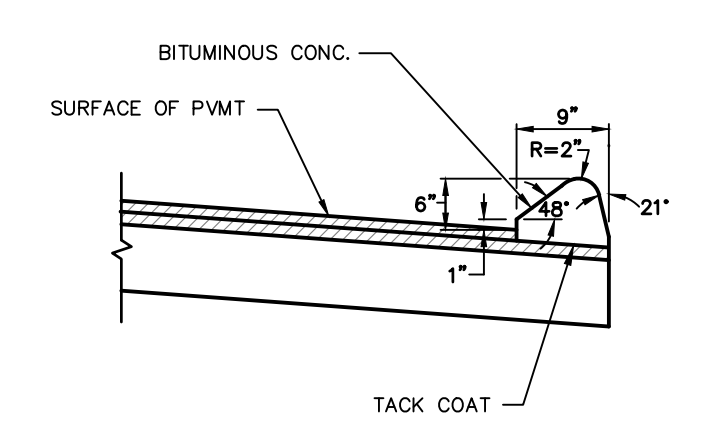
CONCRETE SIDEWALK DETAIL
N.T.S. BLSR-001



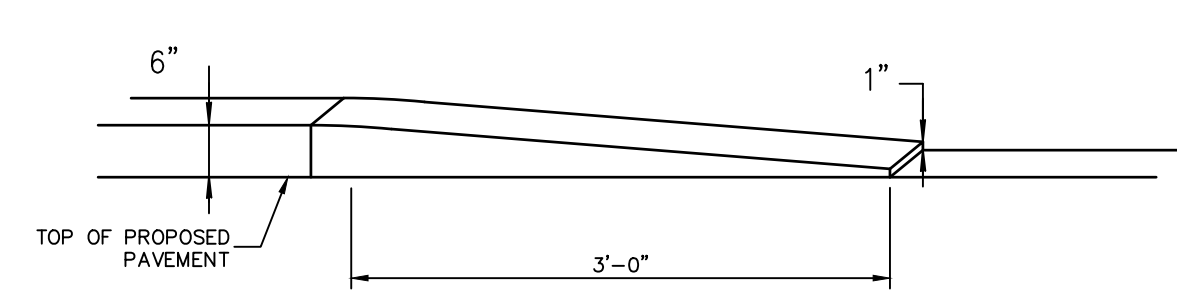
DETECTABLE WARNING
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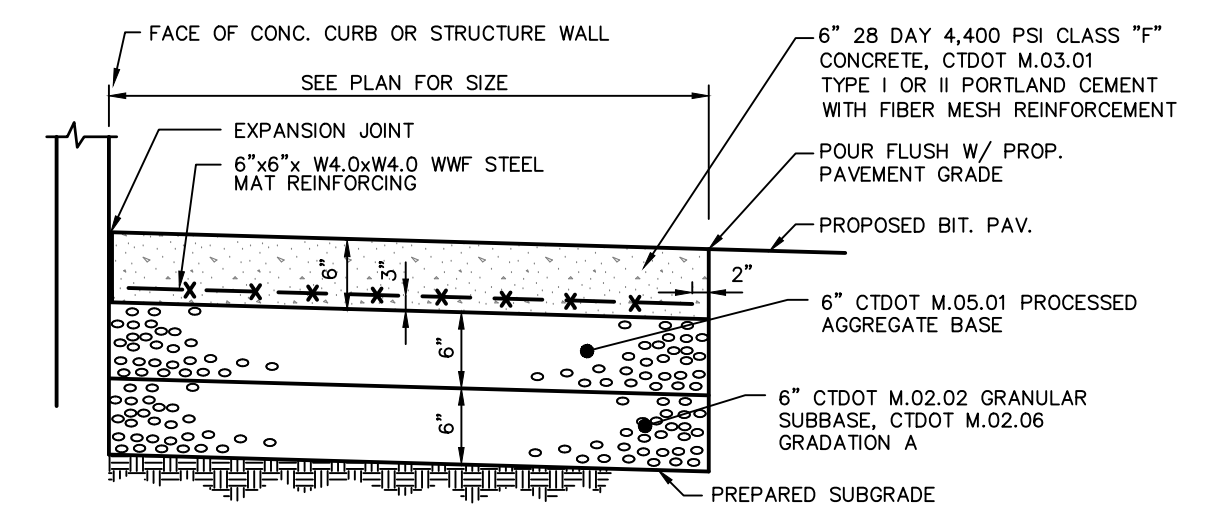
WASHINGTON AVE DRIVEWAY CENTERLINE CROSS SECTION
N.T.S.



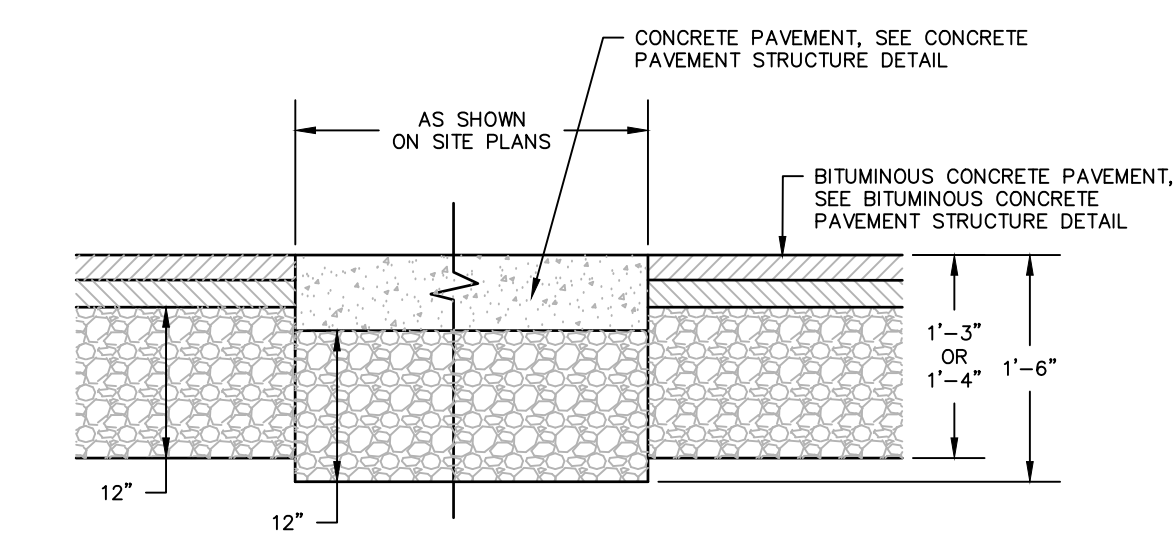
BITUMINOUS CONCRETE CURB
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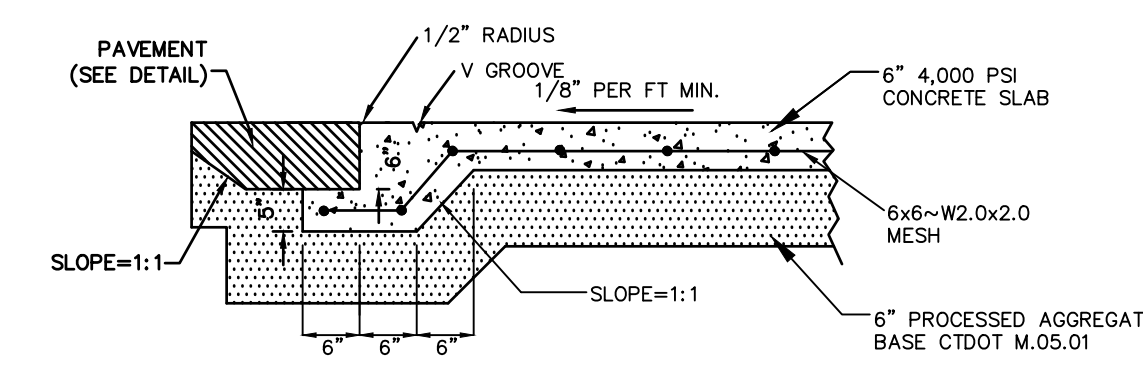
BITUMINOUS CONCRETE TRANSITION CURB
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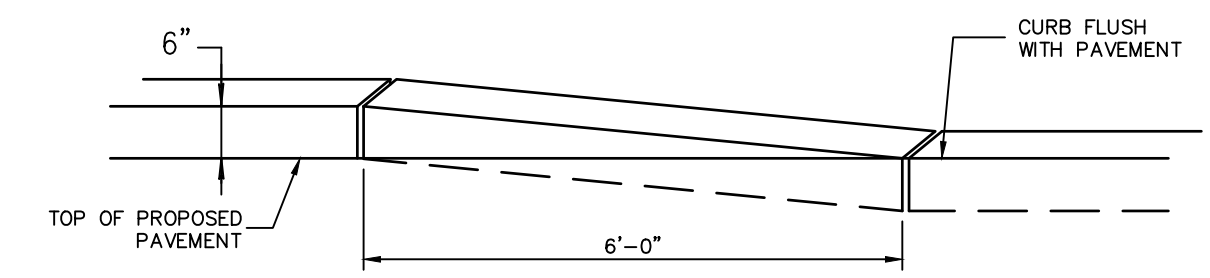
CONCRETE PAVEMENT STRUCTURE AND DUMPSTER PAD
N.T.S. BLPC-002



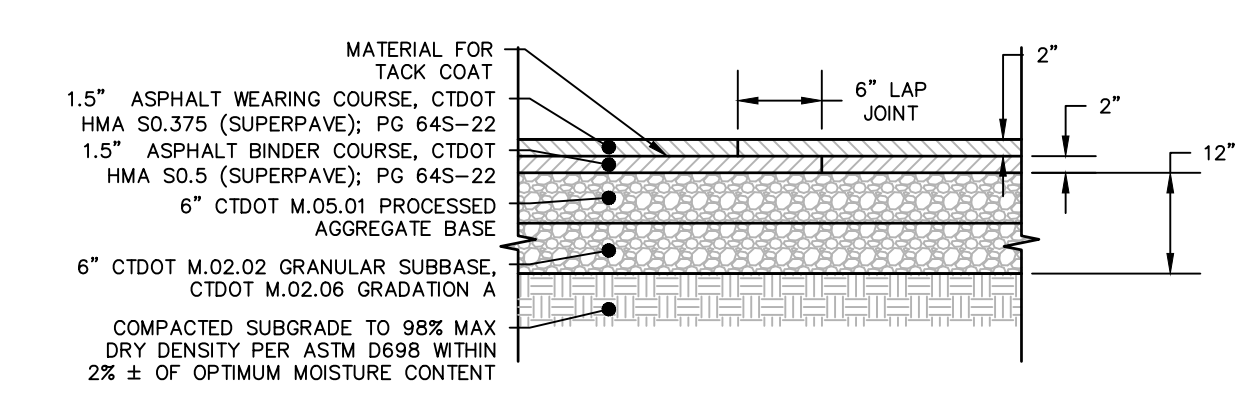
CONCRETE/BITUMINOUS PAVEMENT INTERFACE
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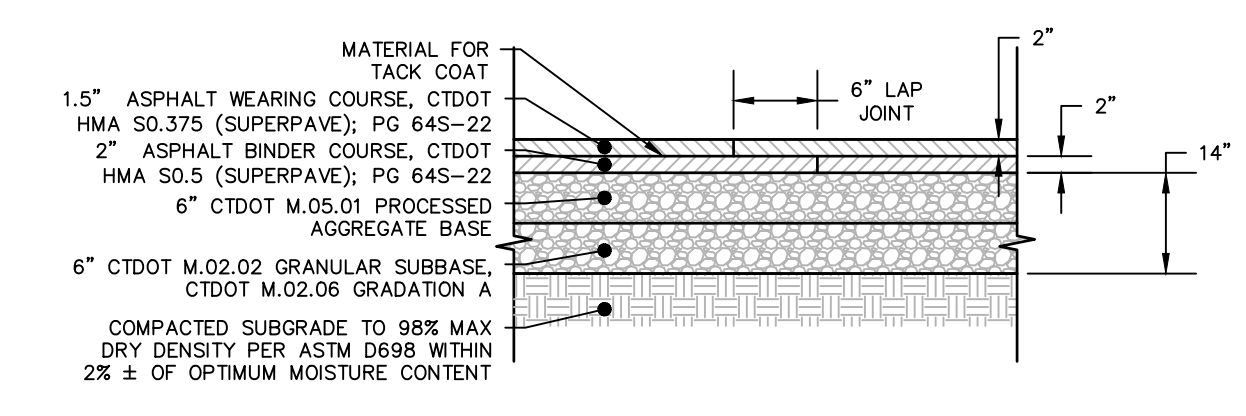
FLUSH CURB DETAIL
N.T.S.



CONCRETE TRANSITION CURB
N.T.S.



STANDARD DUTY BITUMINOUS CONCRETE PAVEMENT STRUCTURE
N.T.S.



HEAVY DUTY BITUMINOUS CONCRETE PAVEMENT STRUCTURE
N.T.S.

PROPOSED DEVELOPMENT
144 WASHINGTON AVE (ROUTE 5)
NORTH HAVEN, CONNECTICUT

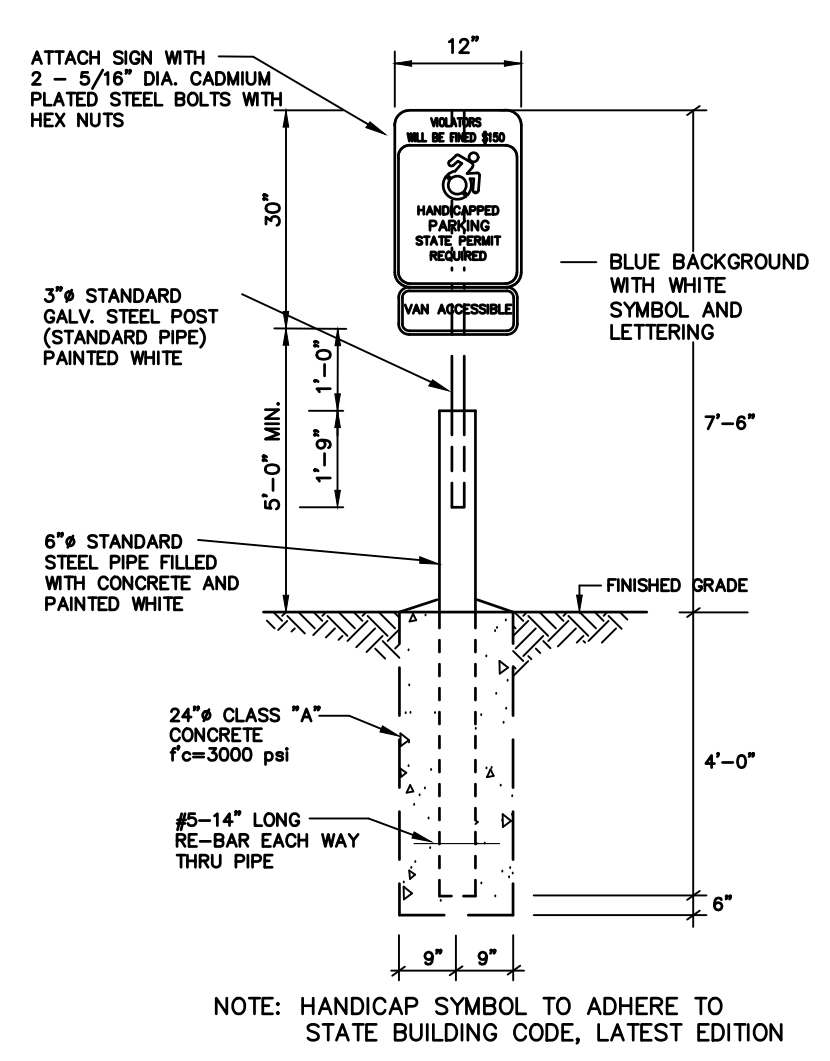
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5/10/2021	BL	BULLETIN #2	ADDITIONAL COMMENTS
5/10/2021	BL	BULLETIN #3	ADDITIONAL COMMENTS
6/24/2021	BL	BULLETIN #4	REVISIONS TO VARIANCE NOTE
6/24/2021	BL	BULLETIN #5	REVISIONS TO VARIANCE NOTE
7/26/2021	BL	BULLETIN #6	REVISIONS TO VARIANCE NOTE
8/24/2021	BL	BULLETIN #7	REVISIONS TO VARIANCE NOTE
10/11/2021	BL	BULLETIN #8	REVISIONS TO VARIANCE NOTE
11/15/2021	BL	BULLETIN #9	REVISIONS TO VARIANCE NOTE
1/22/2022	BL	BULLETIN #10	REVISIONS TO VARIANCE NOTE
1/27/2022	BL	BULLETIN #11	REVISIONS TO VARIANCE NOTE

Designed	R.M.D.
Drawn	R.M.D.
Reviewed	S.M.K.
Scale	NONE
Project No.	1901997
Date	07/07/2021
CAD File:	DN190199701

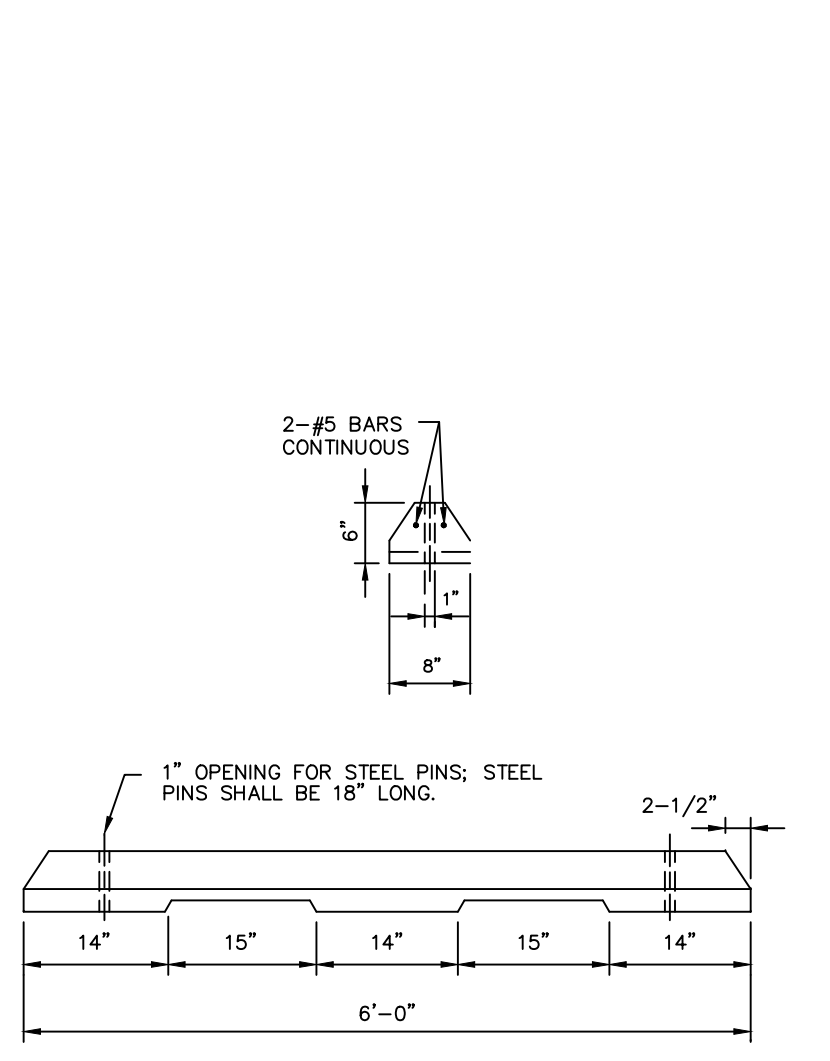
Title
DETAILS SHEET

Sheet No.

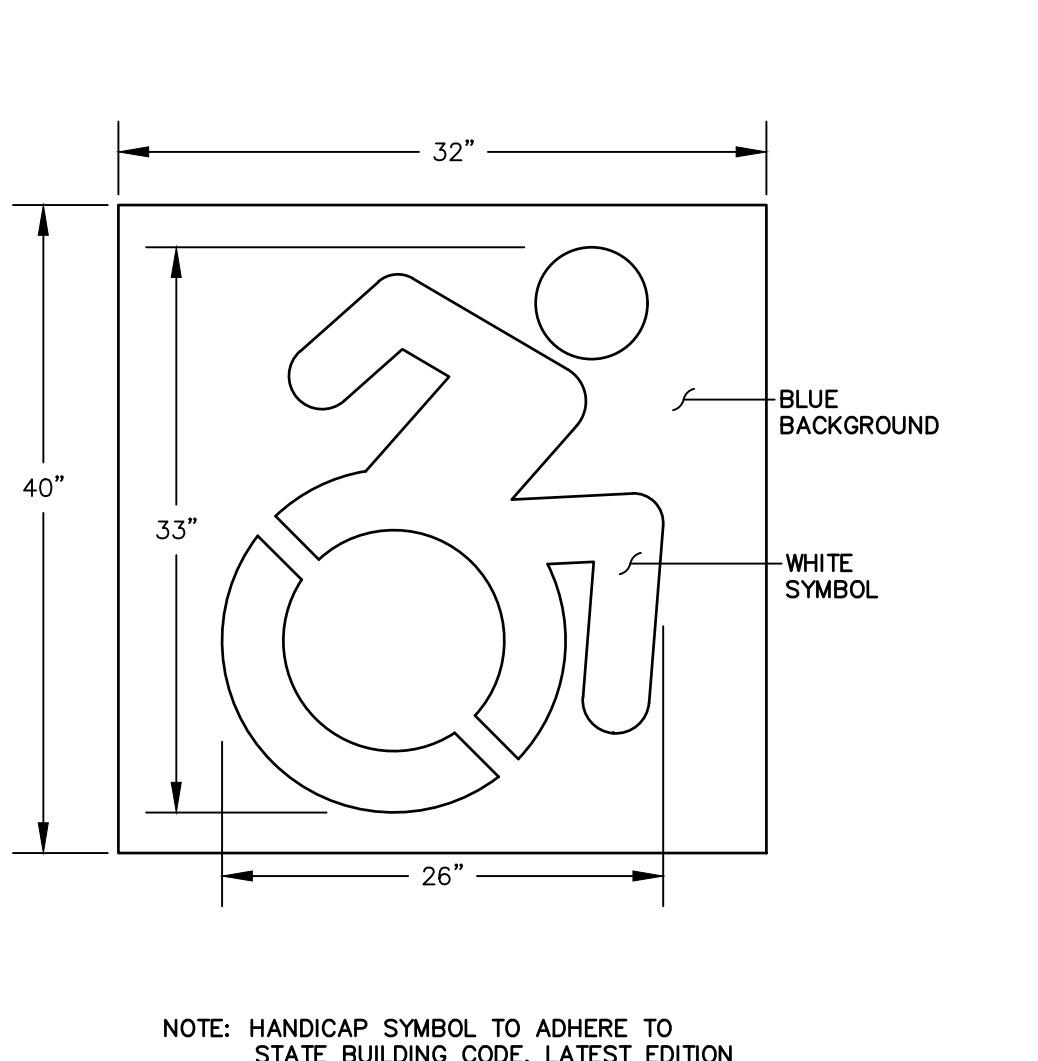
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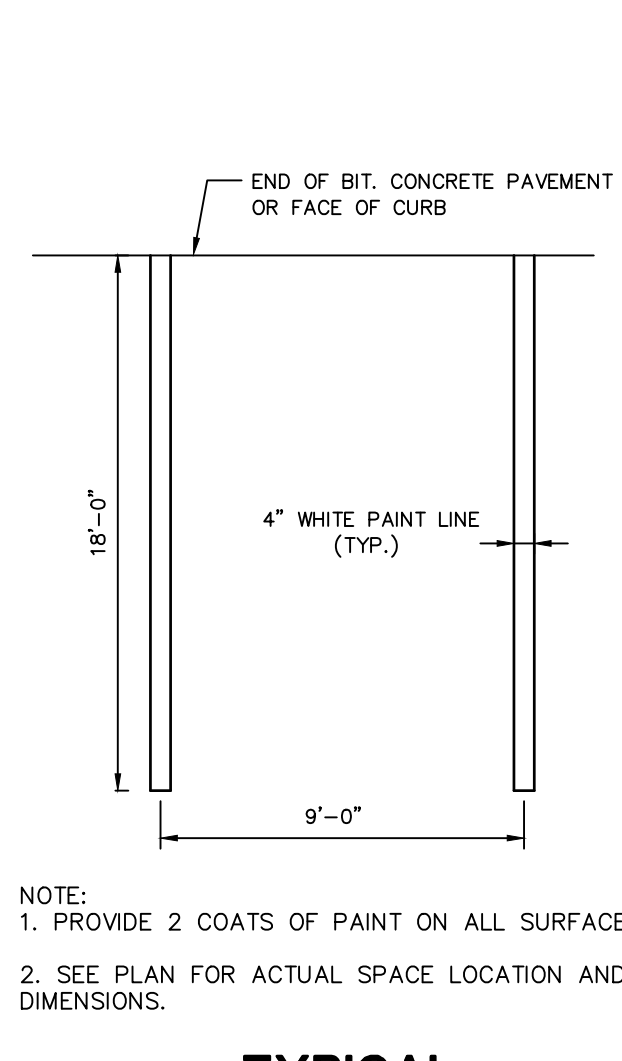
HANDICAP SIGN BOLLARD
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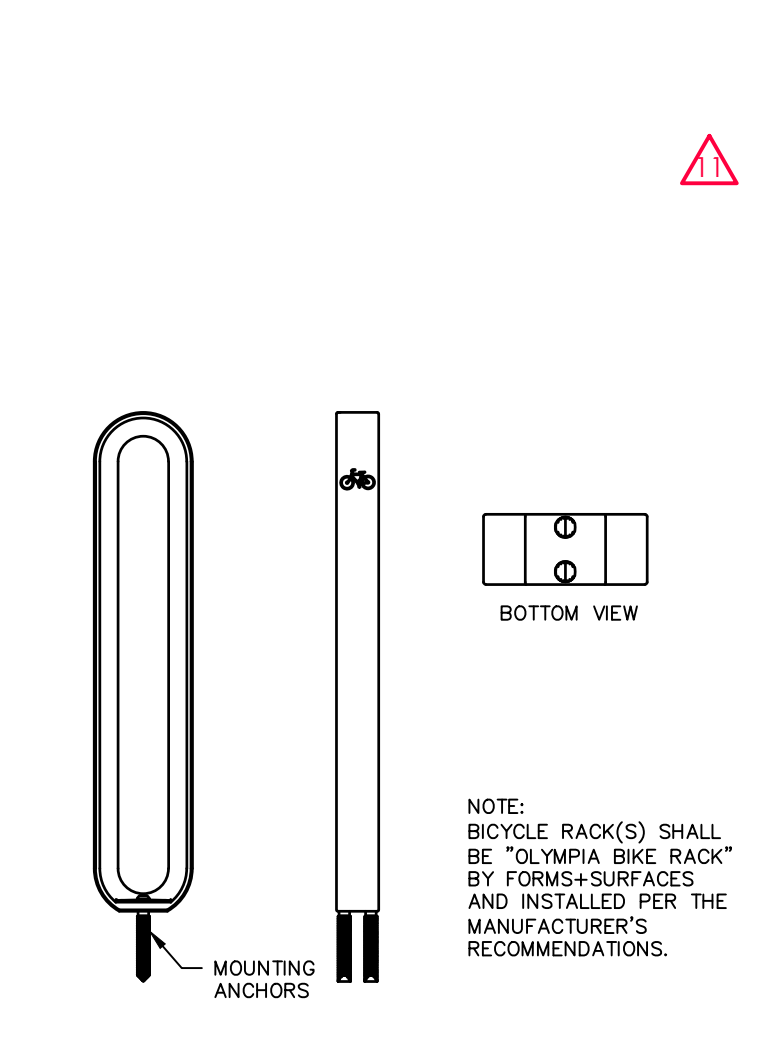
CONCRETE CURB STOP
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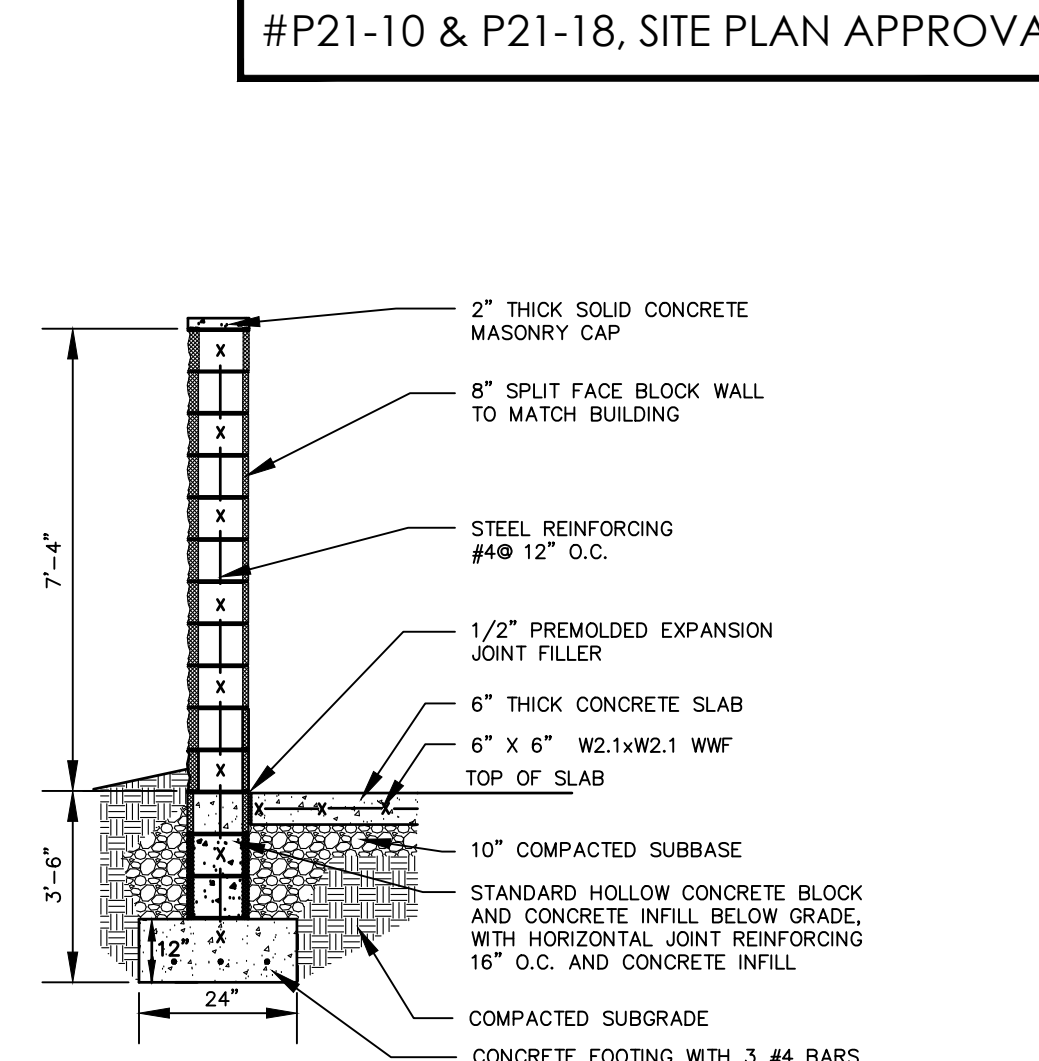
CONNECTICUT SYMBOL OF ACCESSIBILITY
N.T.S.



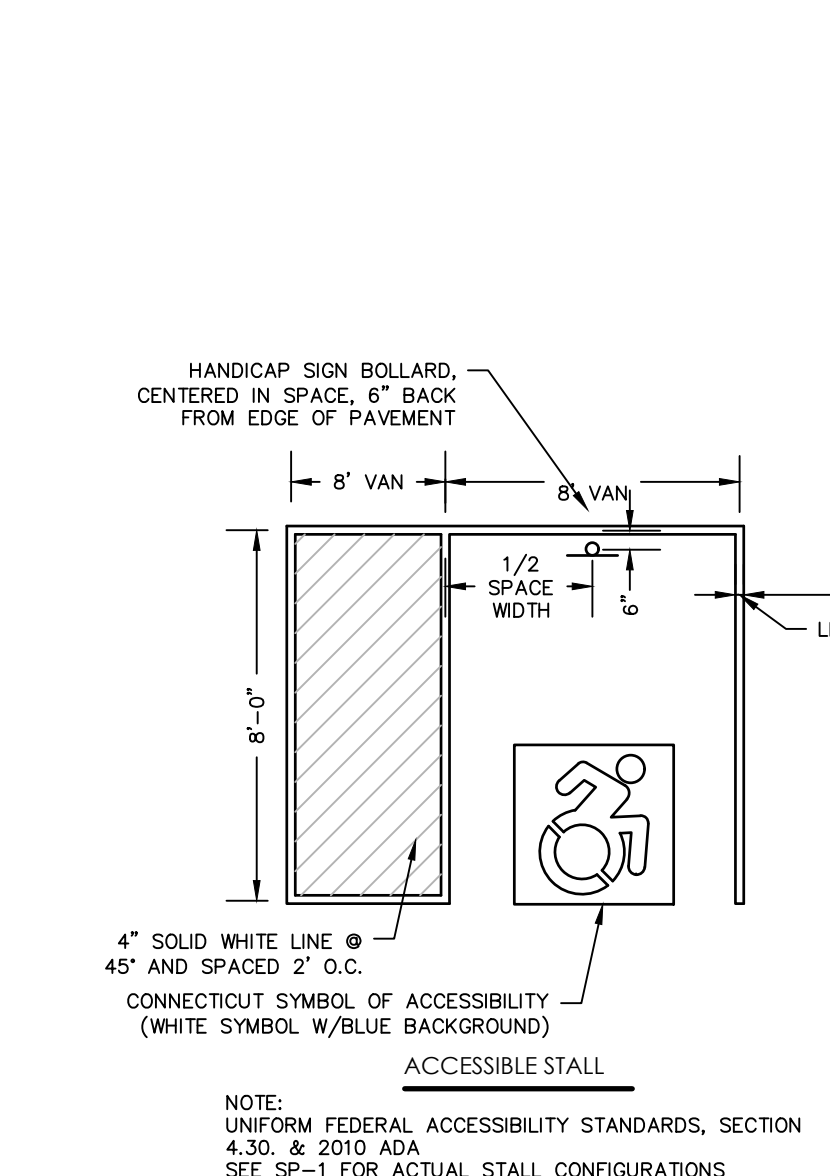
TYPICAL PARKING SPACE DETAIL
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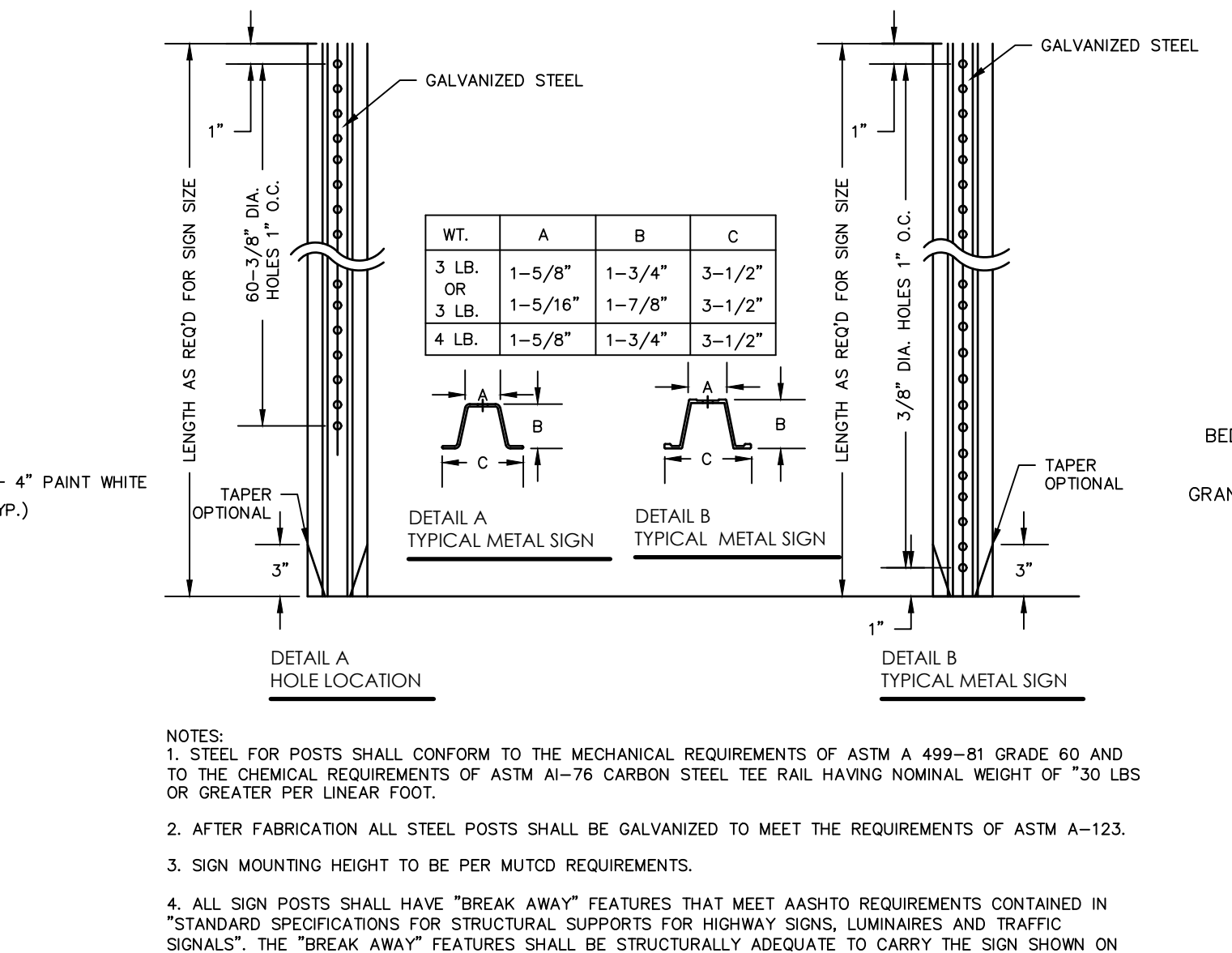
BICYCLE RACK
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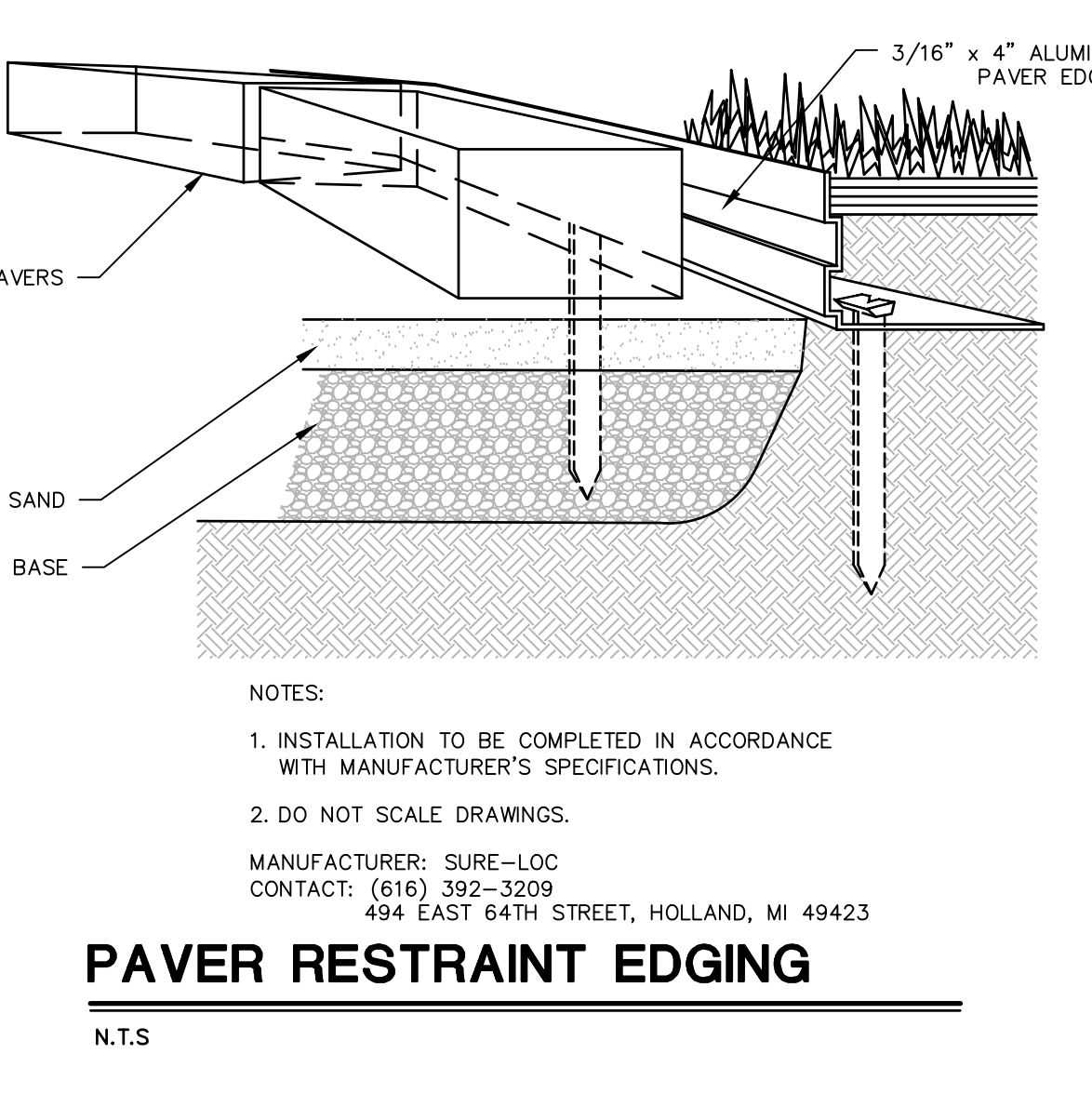
TENANT A TRASH ENCLOSURE SECTION
N.T.S.



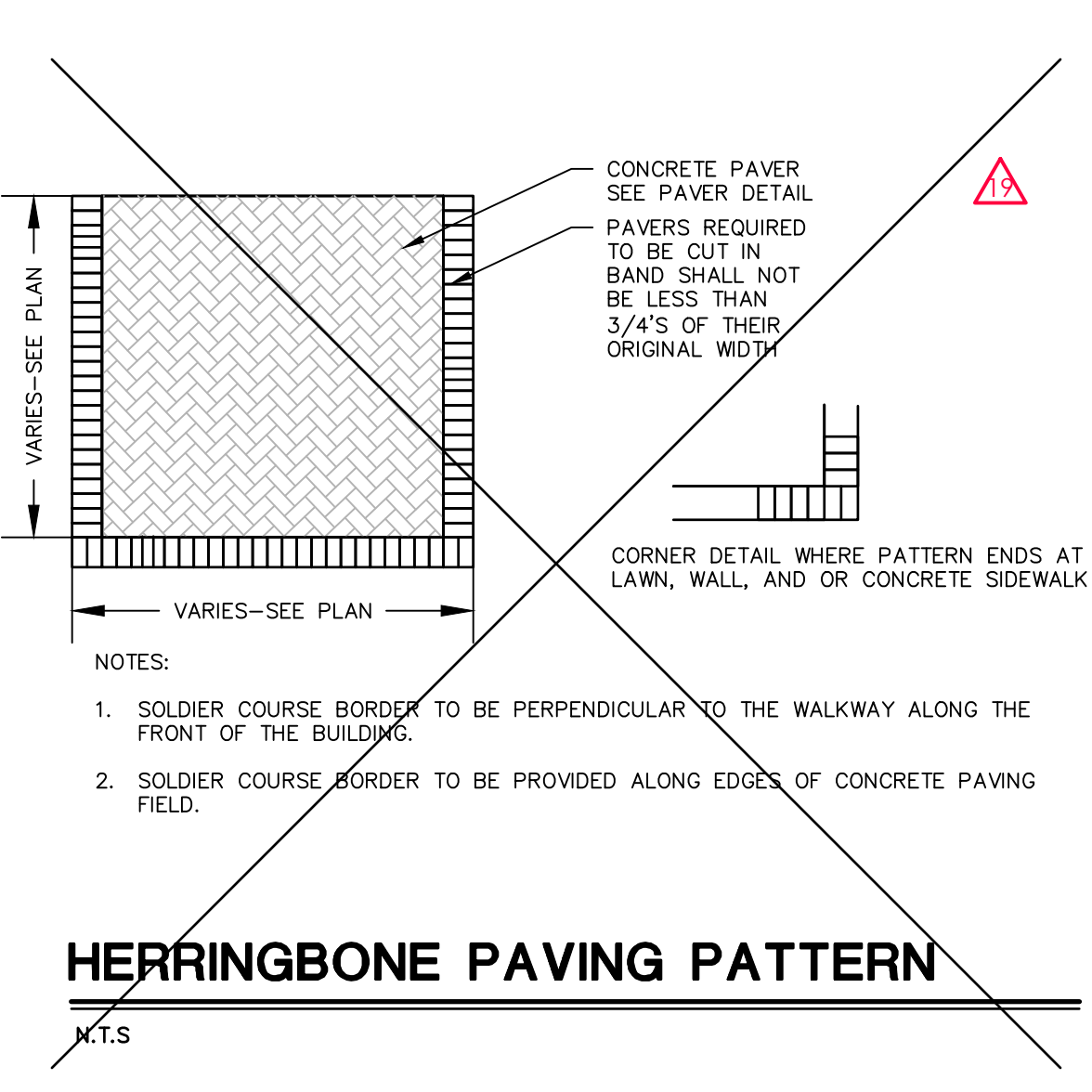
TYPICAL HANDICAP PARKING STALL LAYOUT
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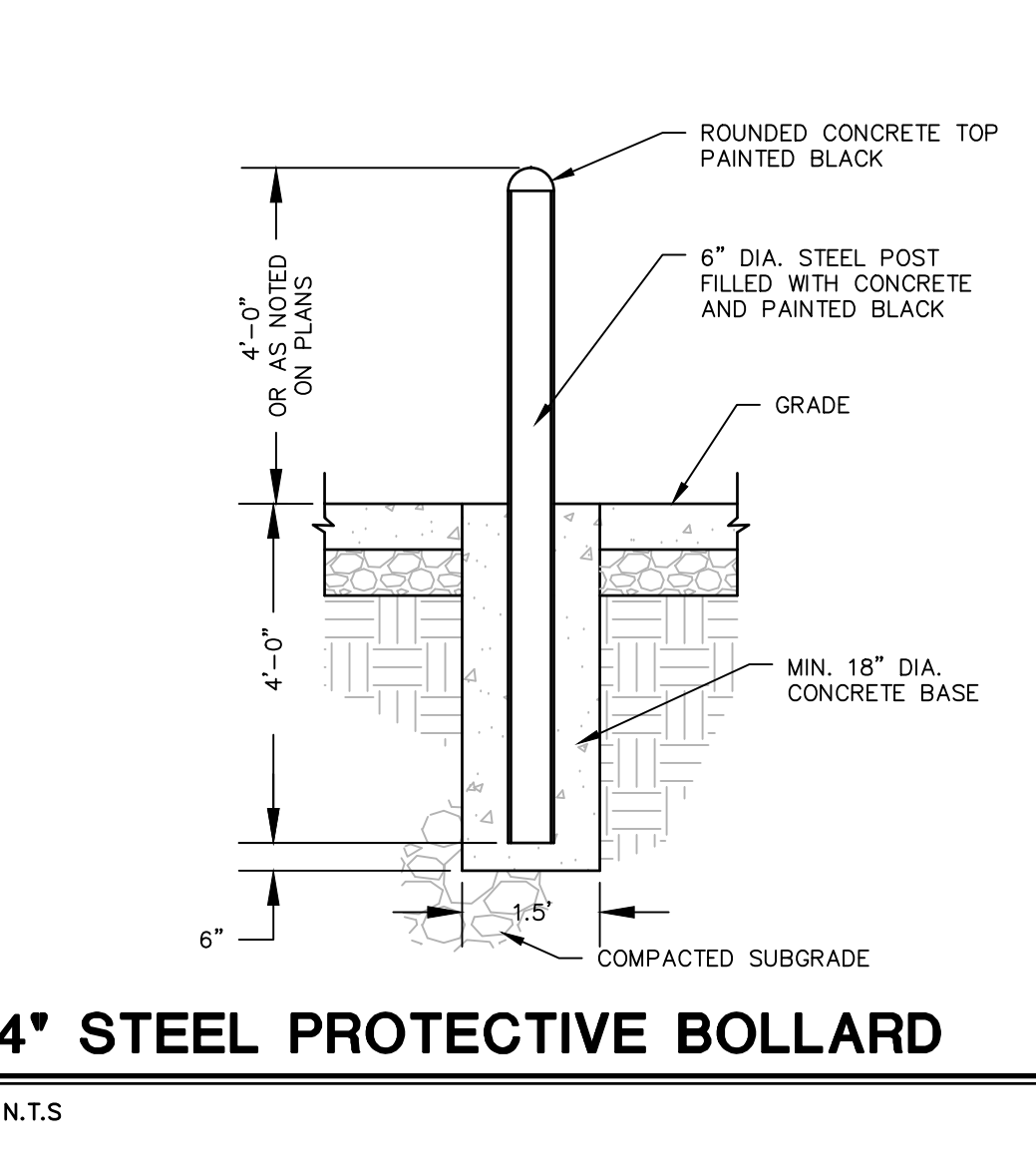
TYPICAL METAL SIGN POST
N.T.S.



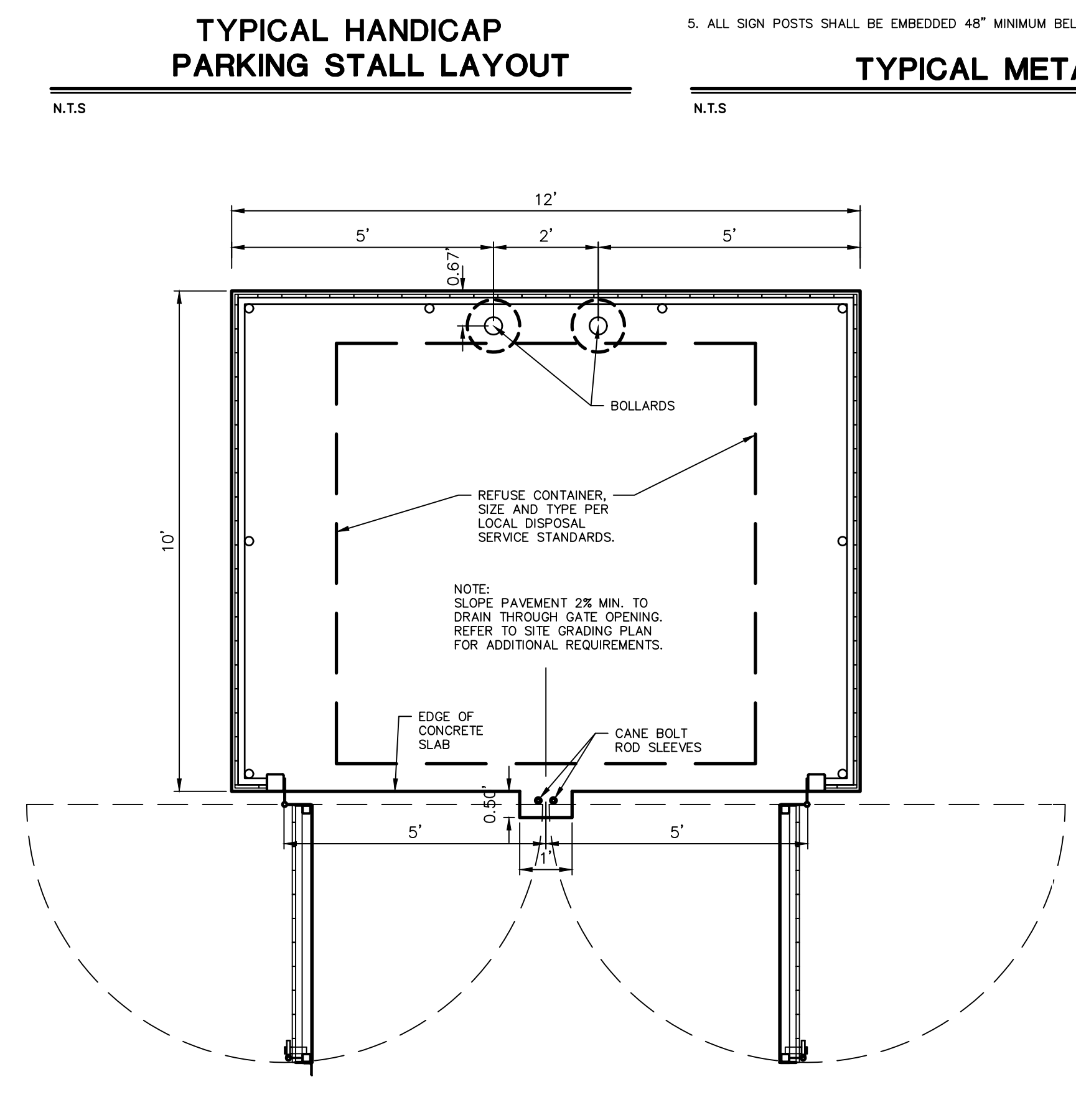
PAVER RESTRAINT EDGING
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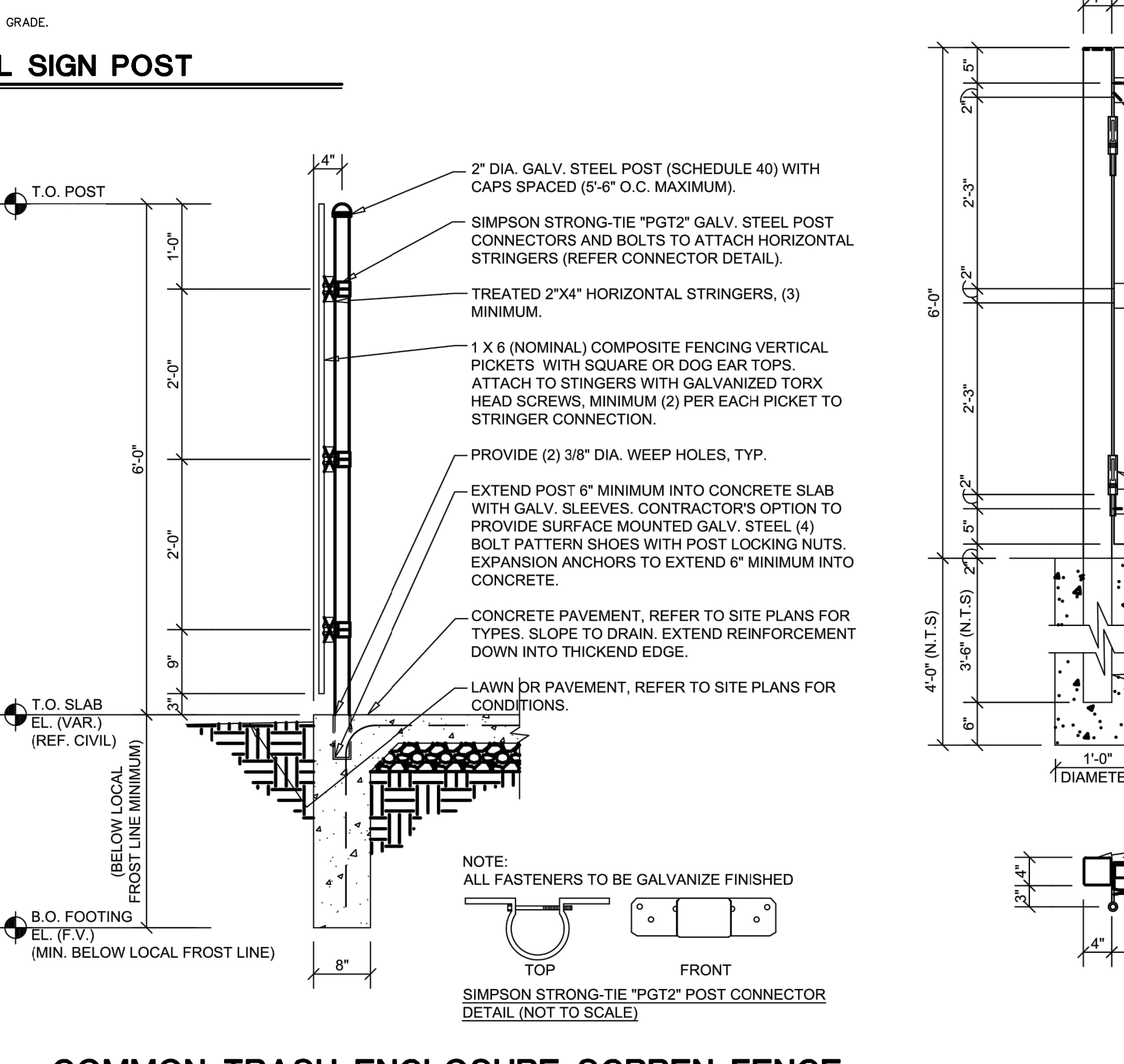
HERRINGBONE PAVING PATTERN
N.T.S.



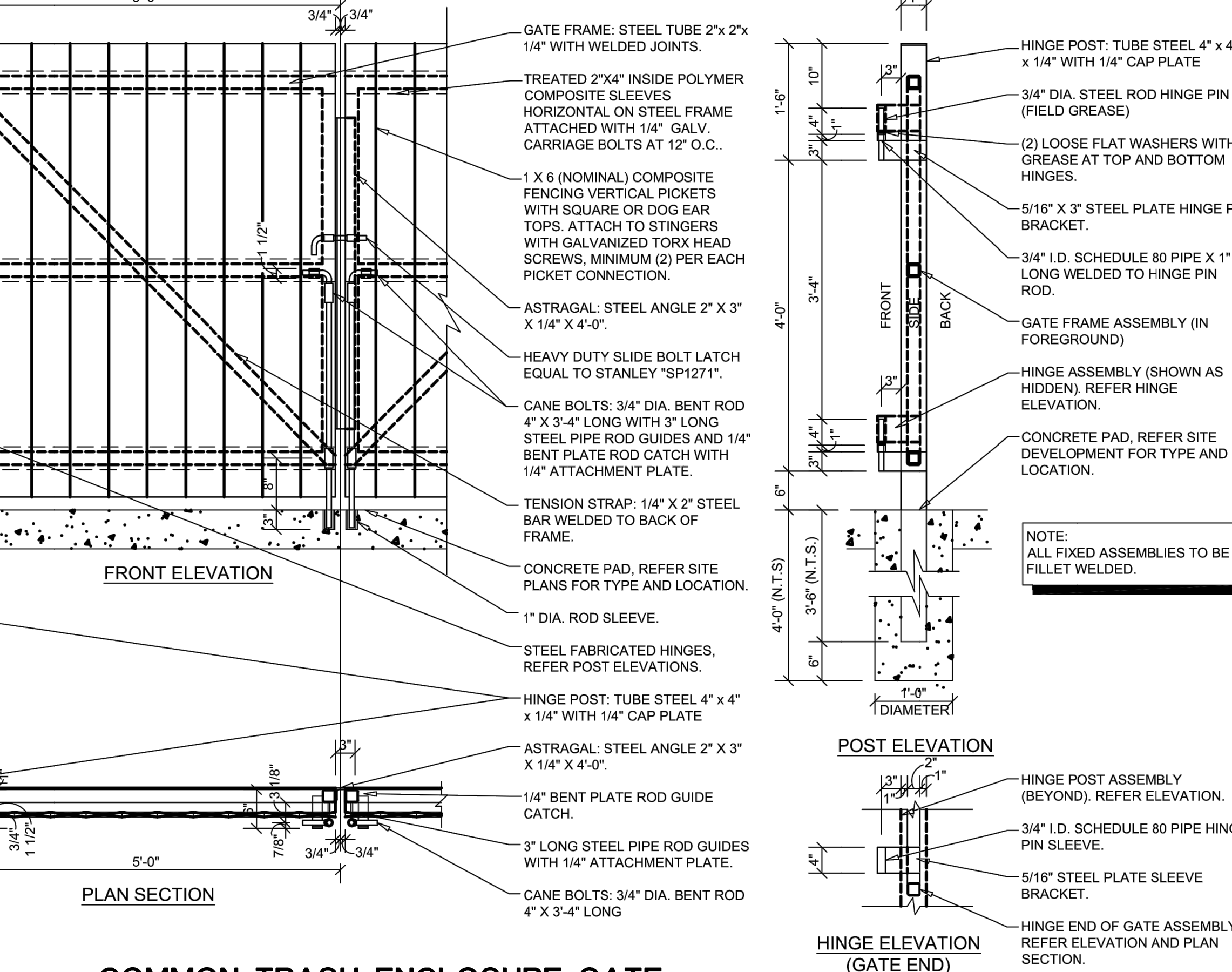
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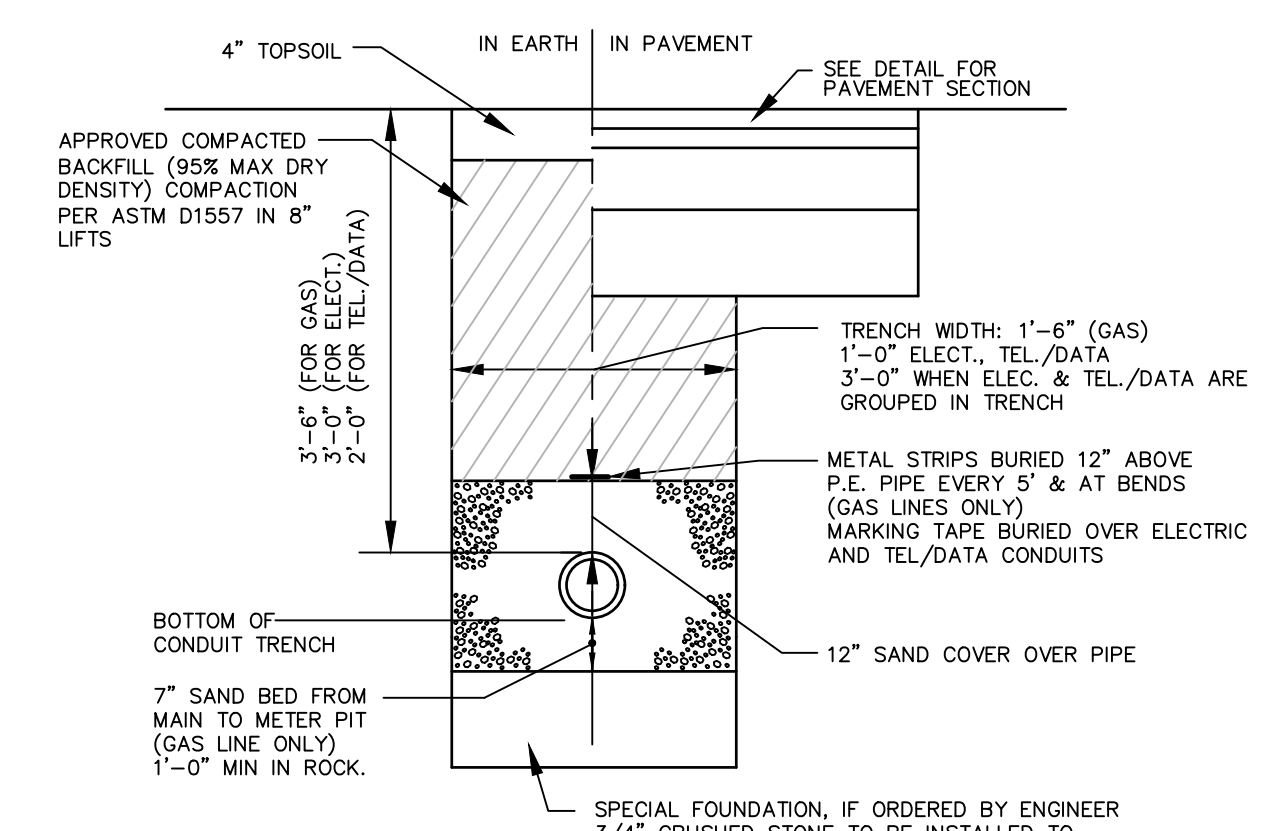
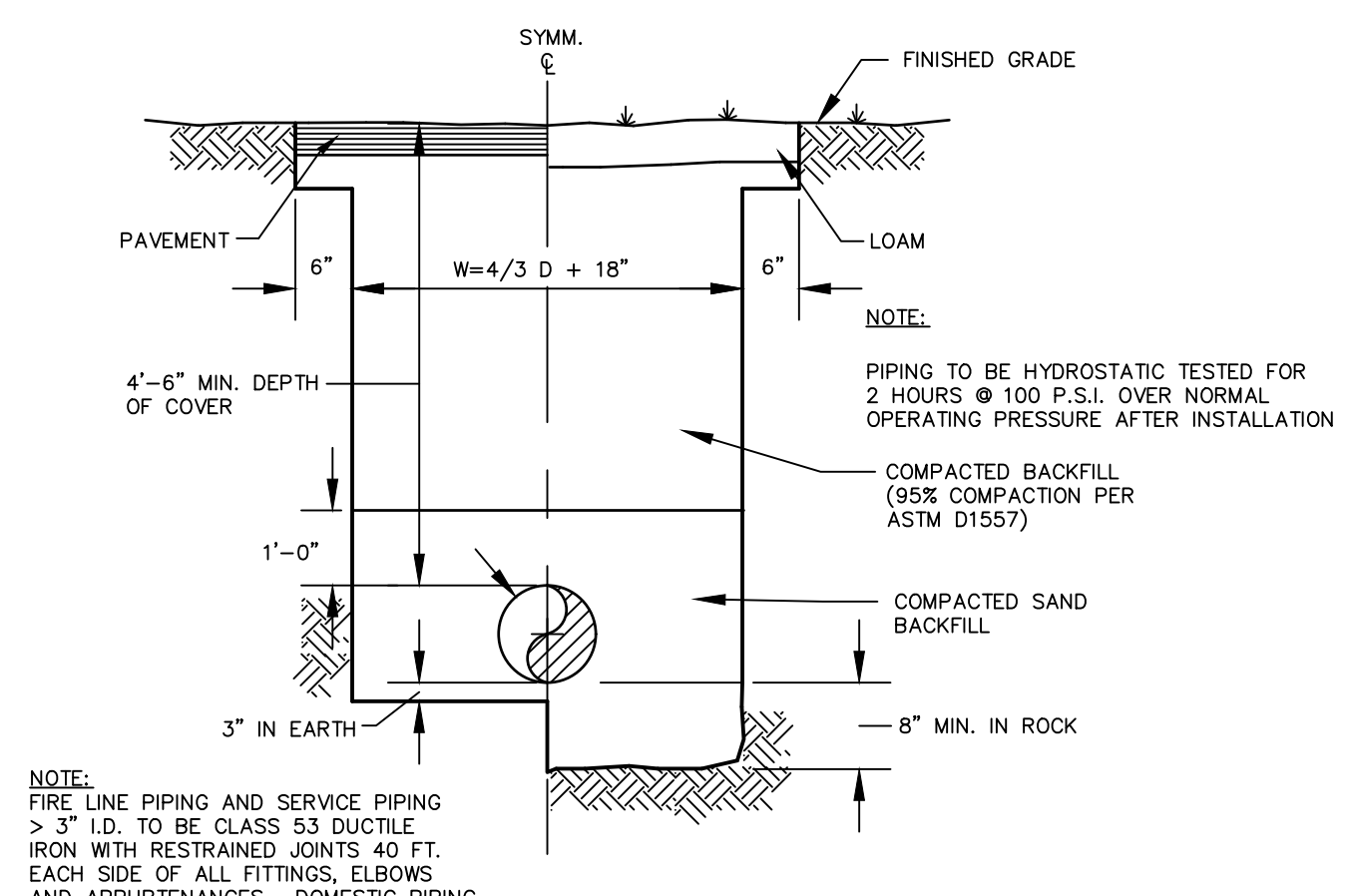
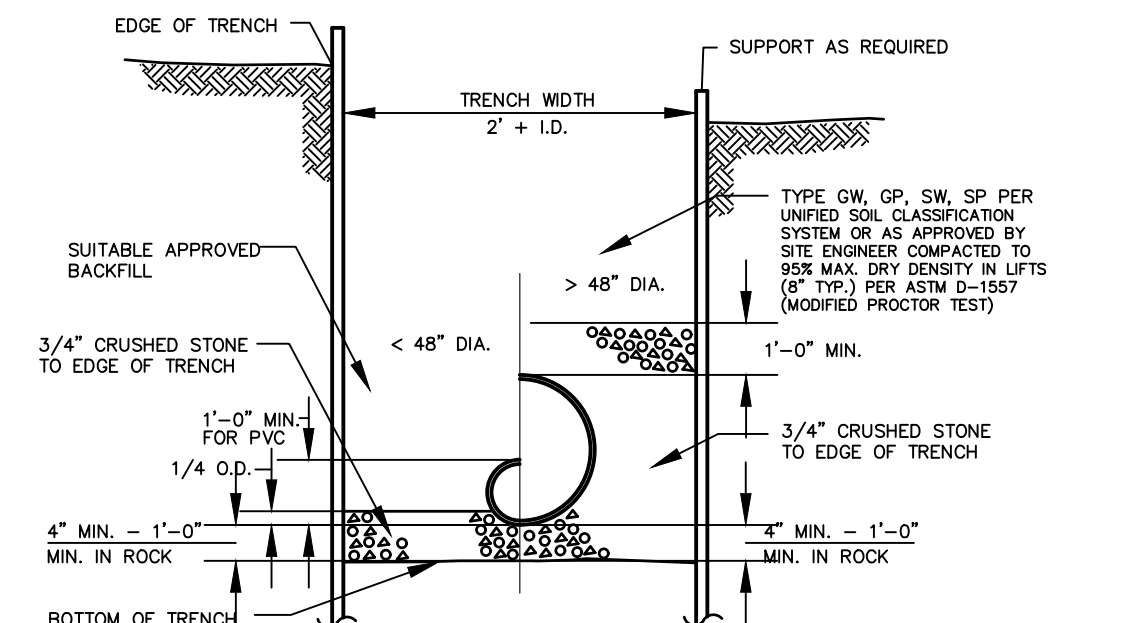
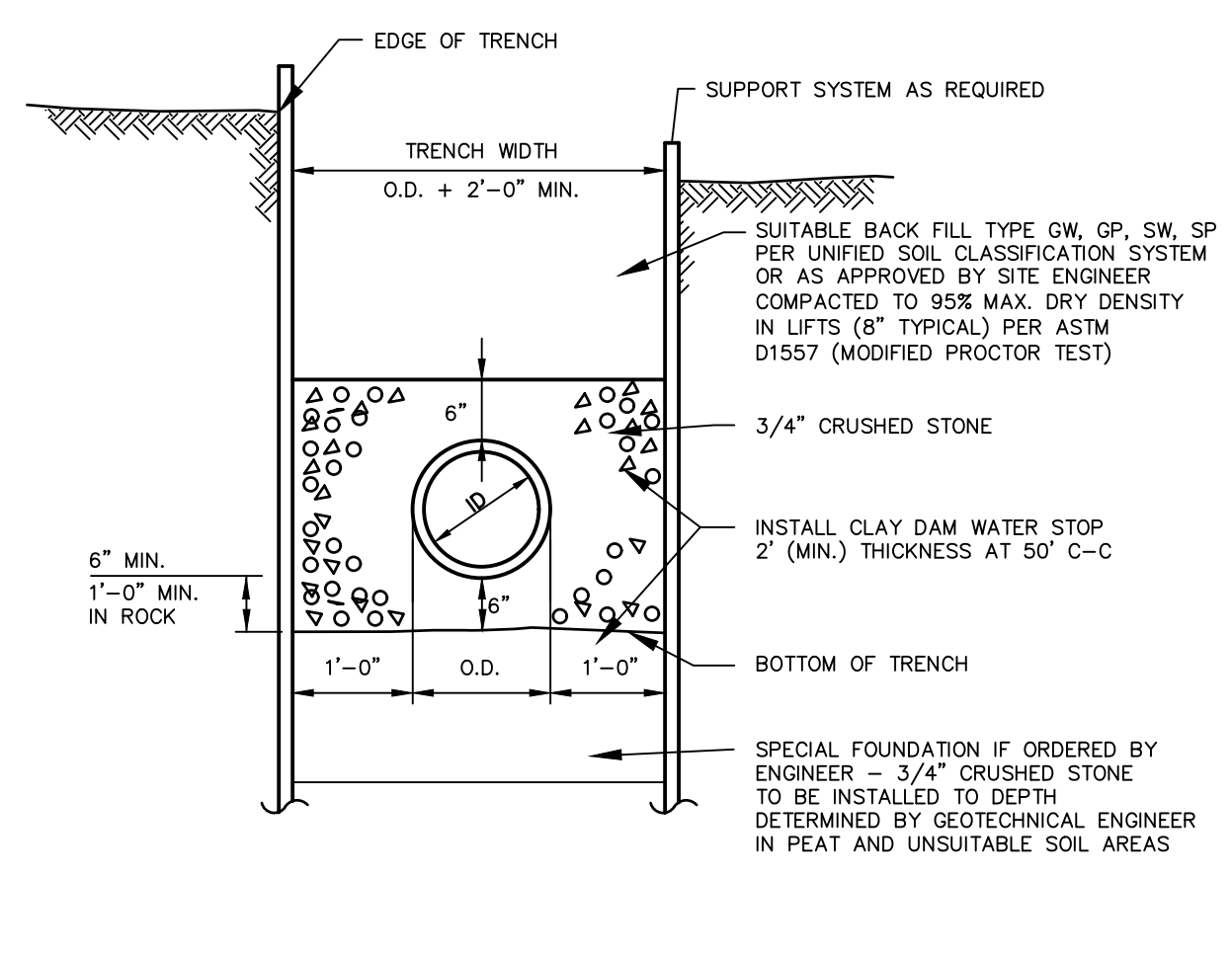
COMMON TRASH ENCLOSURE LAYOUT
N.T.S.



COMMON TRASH ENCLOSURE SCREEN FENCE
N.T.S.



COMMON TRASH ENCLOSURE GATE
N.T.S.

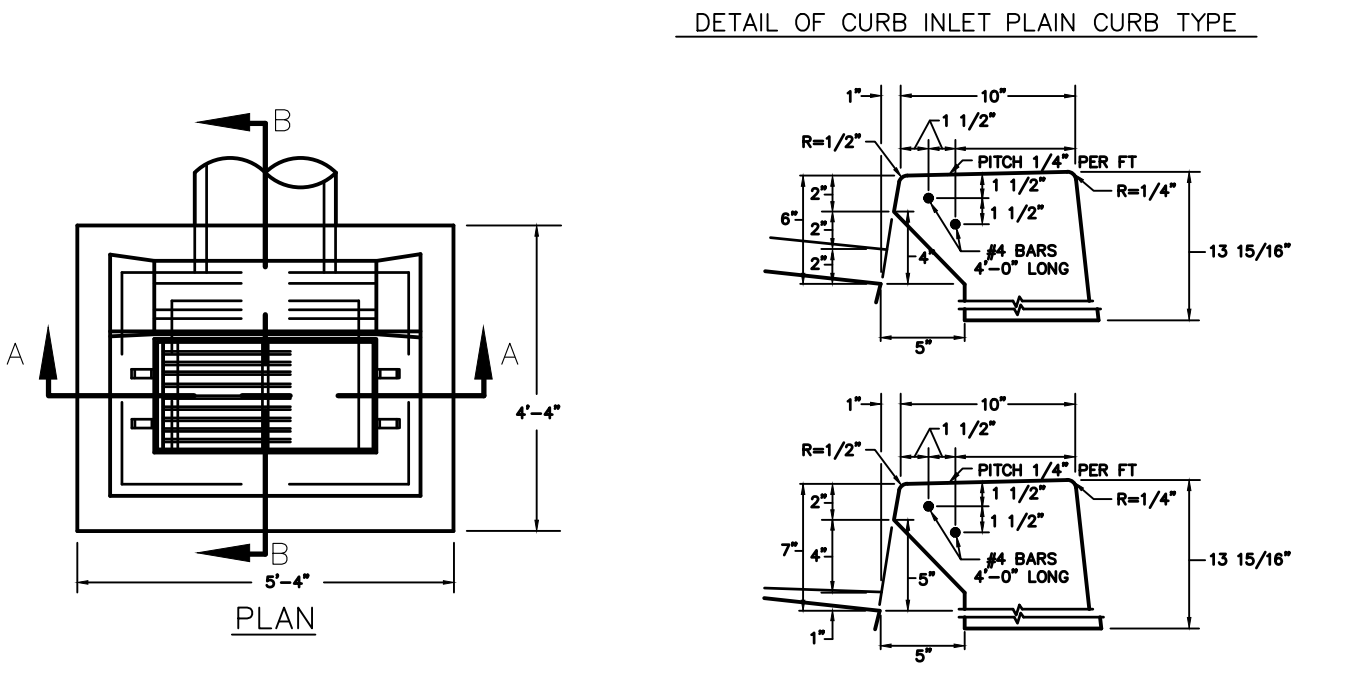
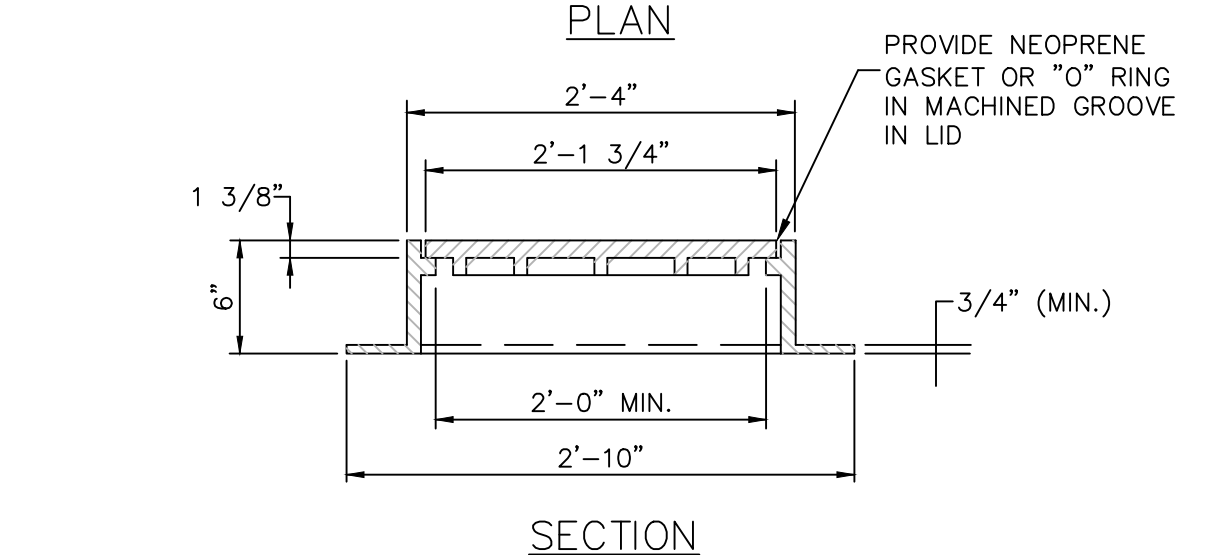
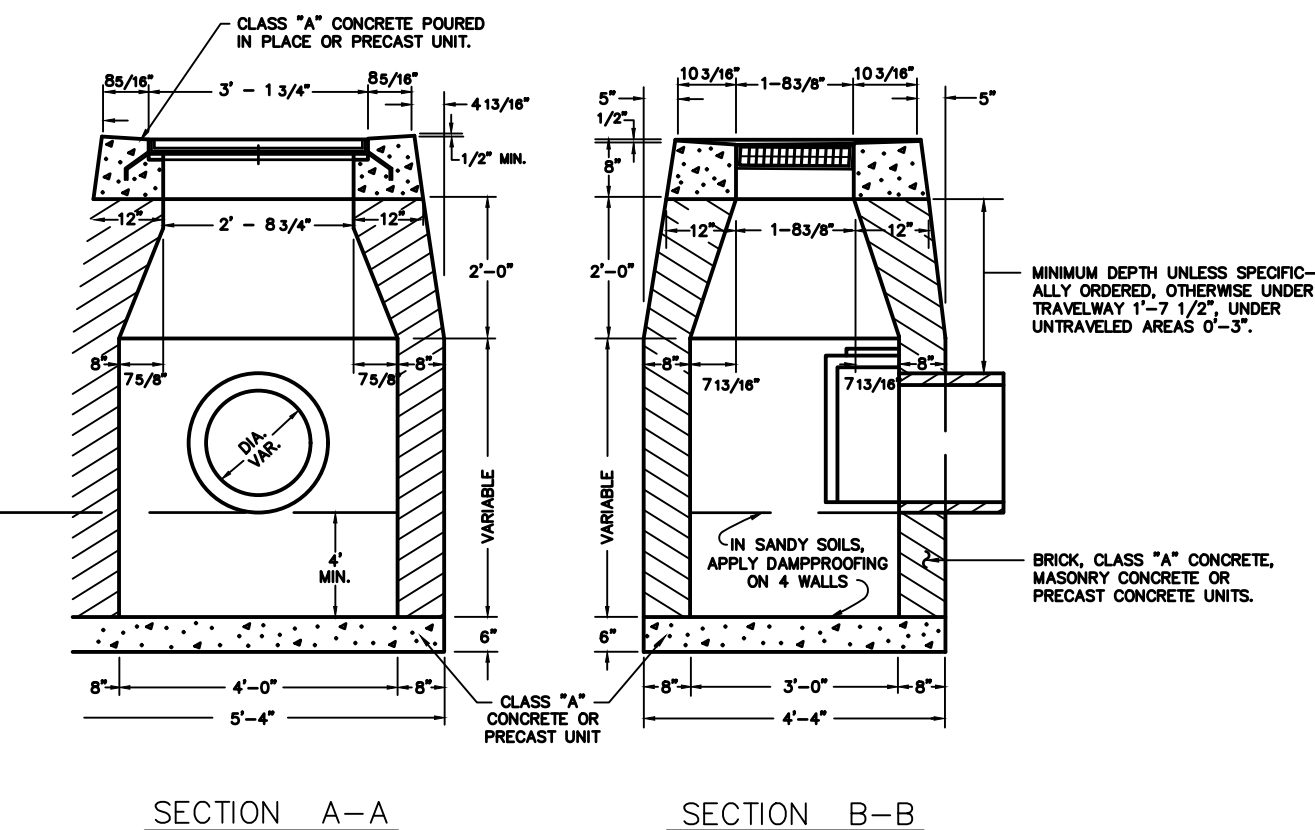
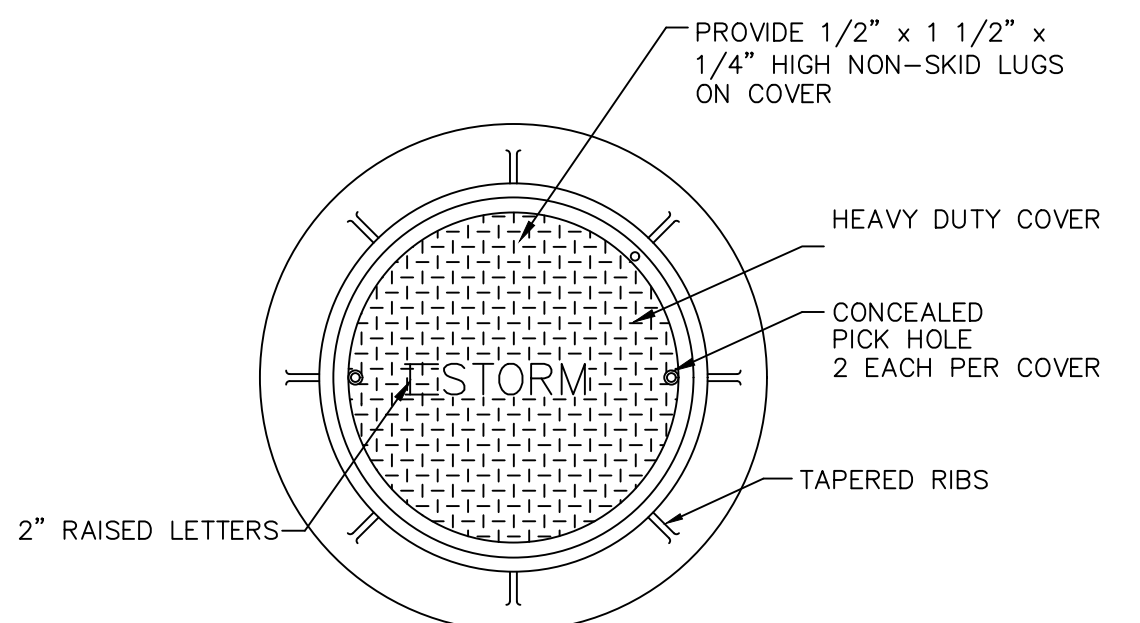
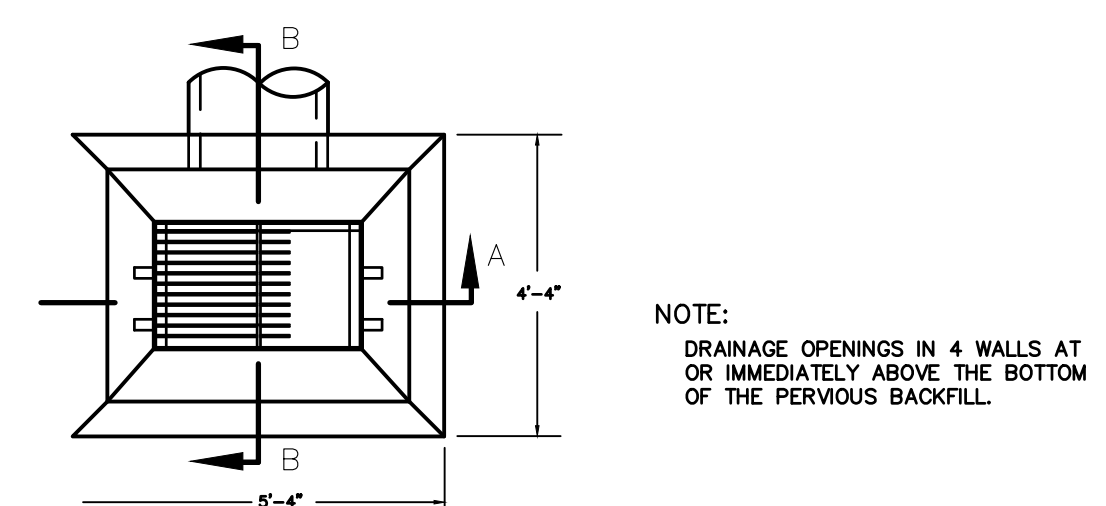


TYPICAL SANITARY SEWER TRENCH SECTION
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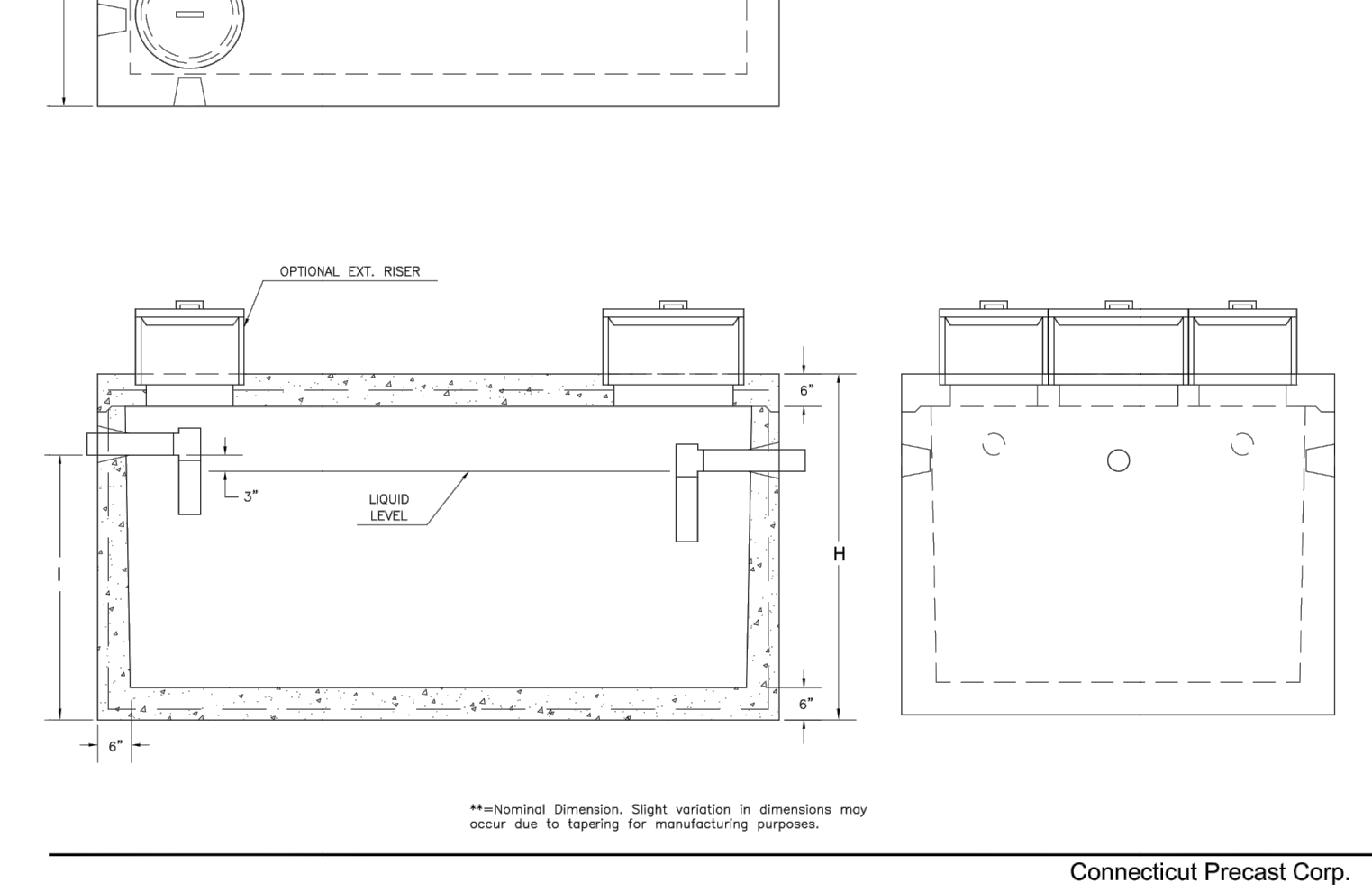
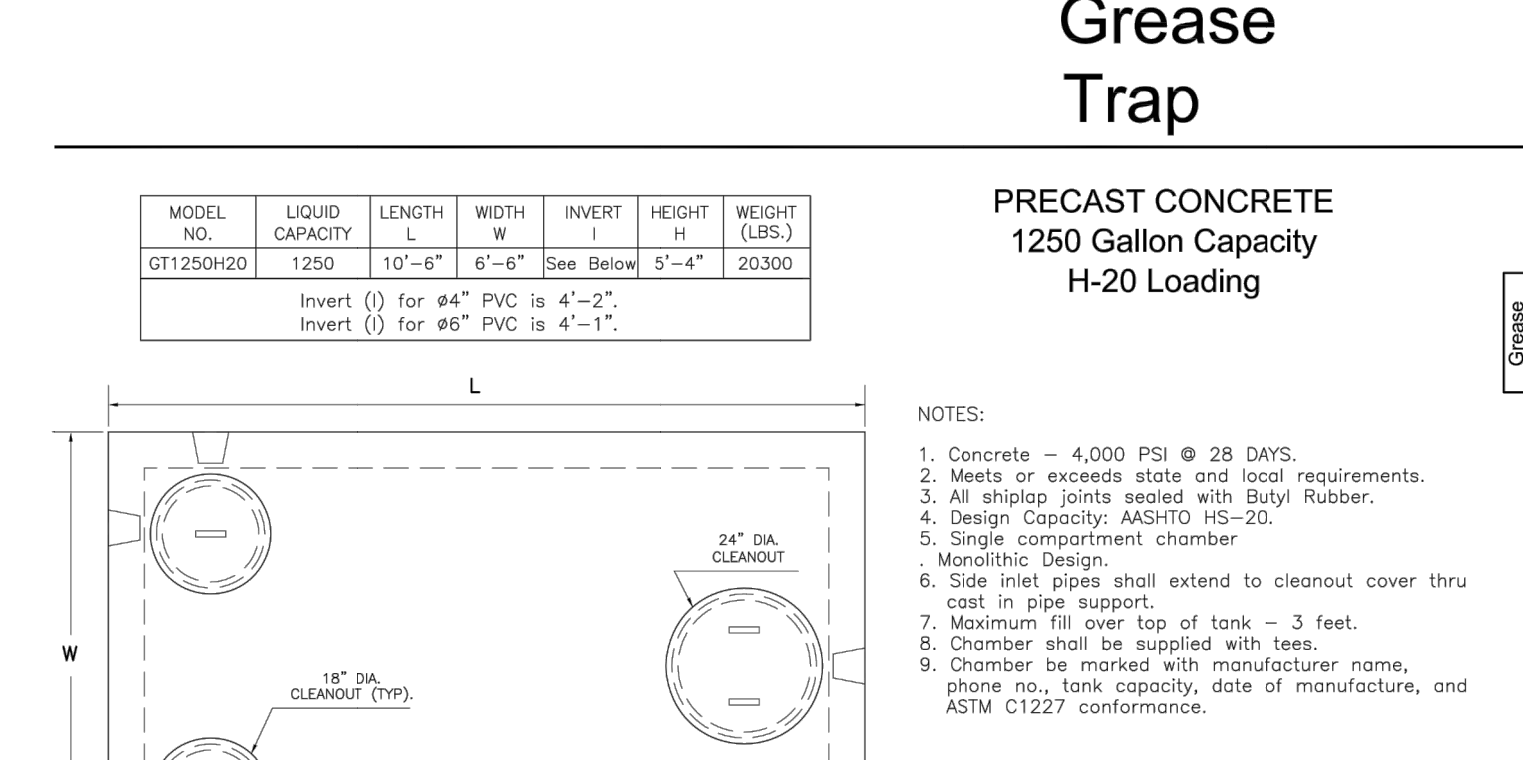
TYPICAL STORM SEWER TRENCH SECTION
N.T.S. BLD0-004

TYPICAL WATER MAIN AND SERVICE TRENCH DETAIL
N.T.S. BLWD-005

ELECTRICAL, TELEPHONE AND GAS TRENCH DETAIL
N.T.S. BLUD-001



Connecticut Precast Corp.
Manufacturers of Concrete Products
555 Fan Hill Road, Monroe, CT 06468
Telephone (203) 268-8688 Fax (203) 452-1007 www.ctprecast.com



TYPE "C-L" CATCH BASIN WITH HOOD
N.T.S.

STORM SEWER MANHOLE FRAME AND COVER
N.T.S.

TYPE "C" CATCH BASIN WITH HOOD
N.T.S. ZD0-002

GREASE TRAP
N.T.S.

CLEANOUT IN PAVED AREA
N.T.S. BLSS-008

HOODED OUTLET
N.T.S. ZD0-002

TYPE "C" CATCH BASIN WITH HOOD
N.T.S. ZD0-002

GREASE TRAP
N.T.S.

4/26/2021	BULLETIN #1 - SITE REVISIONS
5/10/2021	BULLETIN #2 - COMMENTS
5/10/2021	BULLETIN #3 - ADDRESS TOWN COMMENTS
6/23/2021	BULLETIN #4 - COMMENTS
6/23/2021	BULLETIN #5 - PERSONAL COMMENTS
6/23/2021	BULLETIN #6 - COMMENTS
6/23/2021	BULLETIN #7 - COMMENTS
6/23/2021	BULLETIN #8 - COMMENTS
6/23/2021	BULLETIN #9 - COMMENTS
6/23/2021	BULLETIN #10 - COMMENTS
6/23/2021	BULLETIN #11 - COMMENTS
6/23/2021	BULLETIN #12 - COMMENTS
6/23/2021	BULLETIN #13 - COMMENTS
6/23/2021	BULLETIN #14 - COMMENTS
6/23/2021	BULLETIN #15 - COMMENTS
6/23/2021	BULLETIN #16 - COMMENTS
6/23/2021	BULLETIN #17 - COMMENTS
6/23/2021	BULLETIN #18 - COMMENTS
6/23/2021	BULLETIN #19 - COMMENTS
6/23/2021	BULLETIN #20 - COMMENTS
6/23/2021	BULLETIN #21 - COMMENTS
6/23/2021	BULLETIN #22 - COMMENTS
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6/23/2021	BULLETIN #28 - COMMENTS
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6/23/2021	BULLETIN #30 - COMMENTS
6/23/2021	BULLETIN #31 - COMMENTS
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6/23/2021	BULLETIN #40 - COMMENTS
6/23/2021	BULLETIN #41 - COMMENTS
6/23/2021	BULLETIN #42 - COMMENTS
6/23/2021	BULLETIN #43 - COMMENTS
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6/23/2021	BULLETIN #50 - COMMENTS

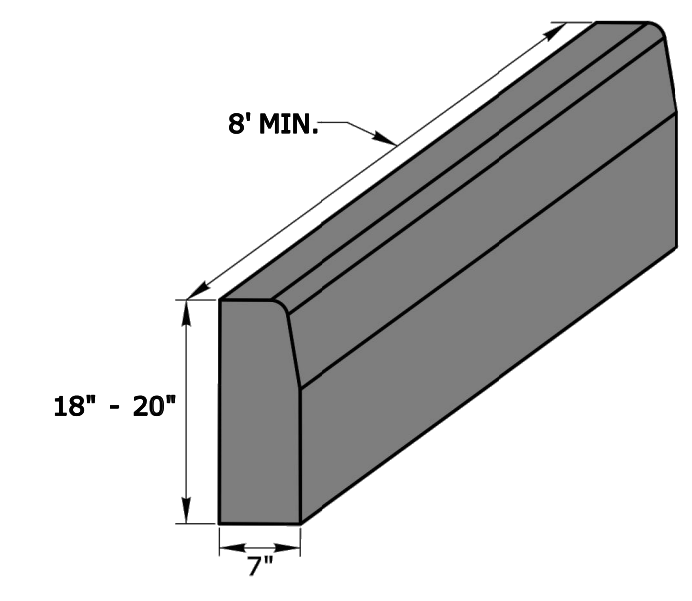
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Drawn	R.M.D.
Reviewed	S.M.K.
Scale	NONE
Project No.	1901997
Date	07/07/2021
CAD File:	DN190199701

Title
DETAILS SHEET - CT DOT STANDARDS

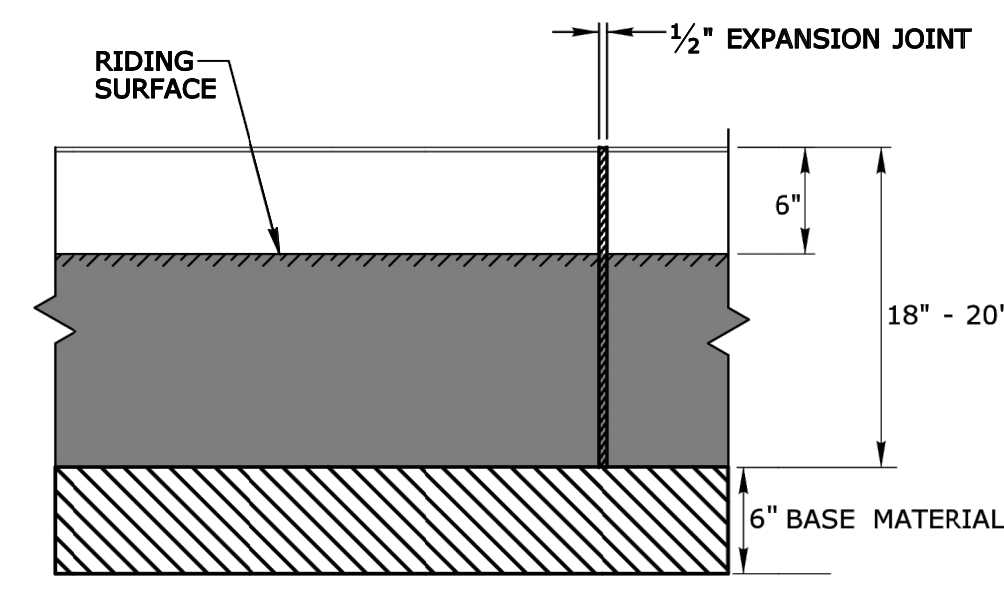
Sheet No.

DN-4

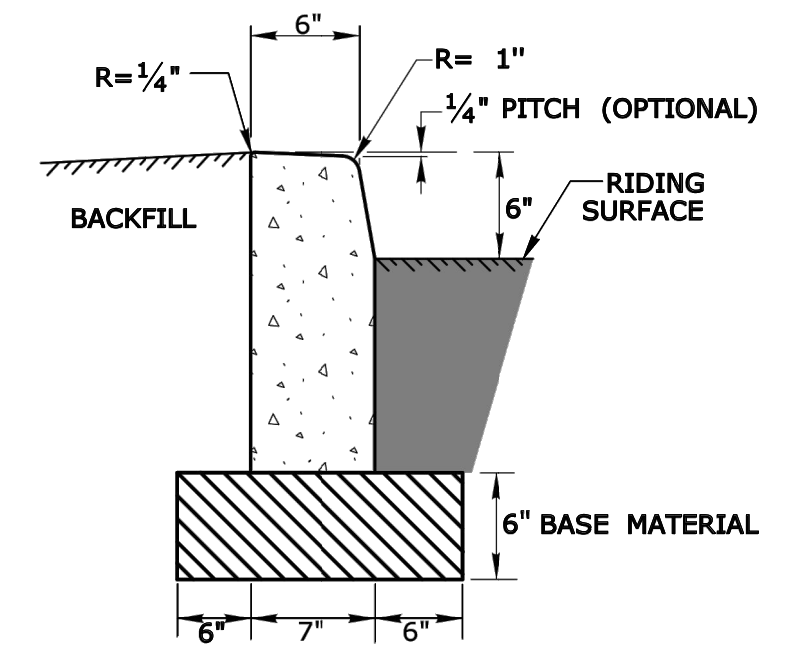
GENERAL NOTE:
1. PRECAST CONCRETE CURBING MAY BE CAST BY THE MANUFACTURER WITH OPTIONAL LIFTING AND DOWEL BAR HOLES.



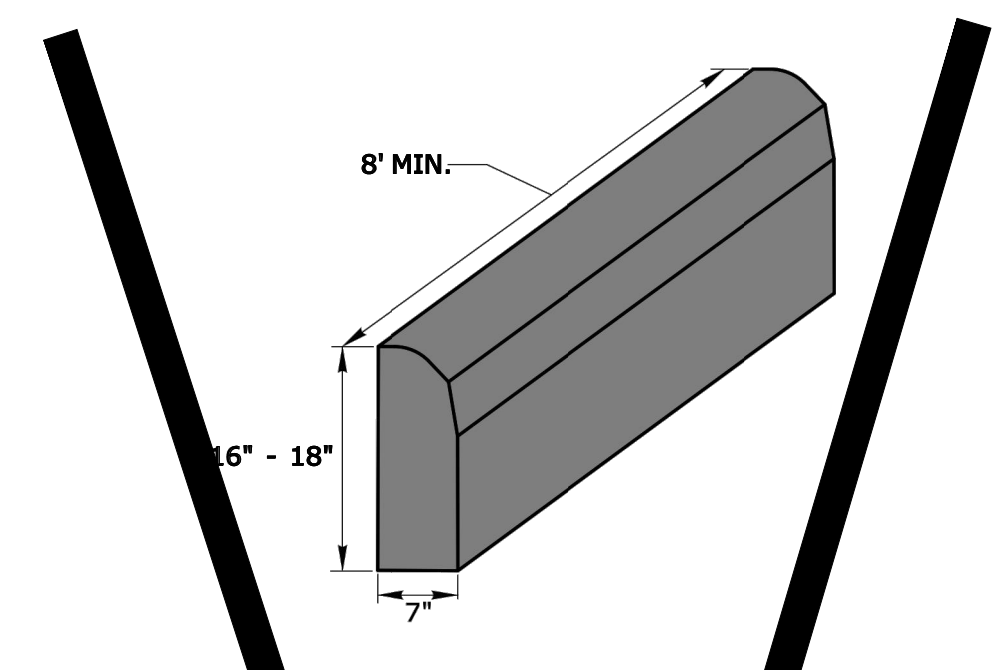
CONCRETE CURBING (6" REVEAL)



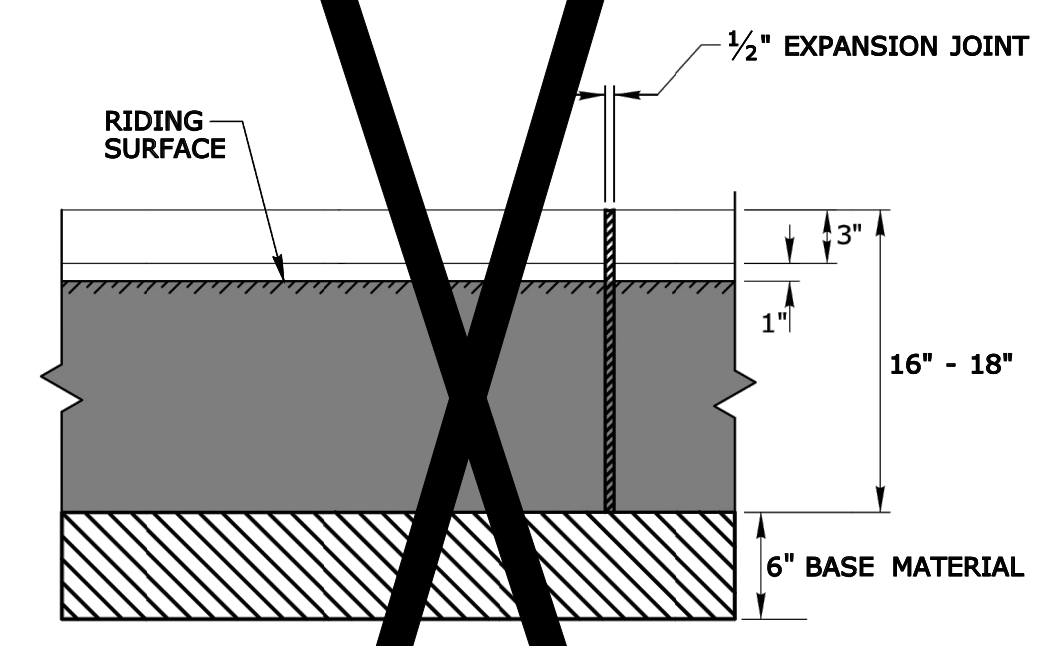
FRONT ELEVATION



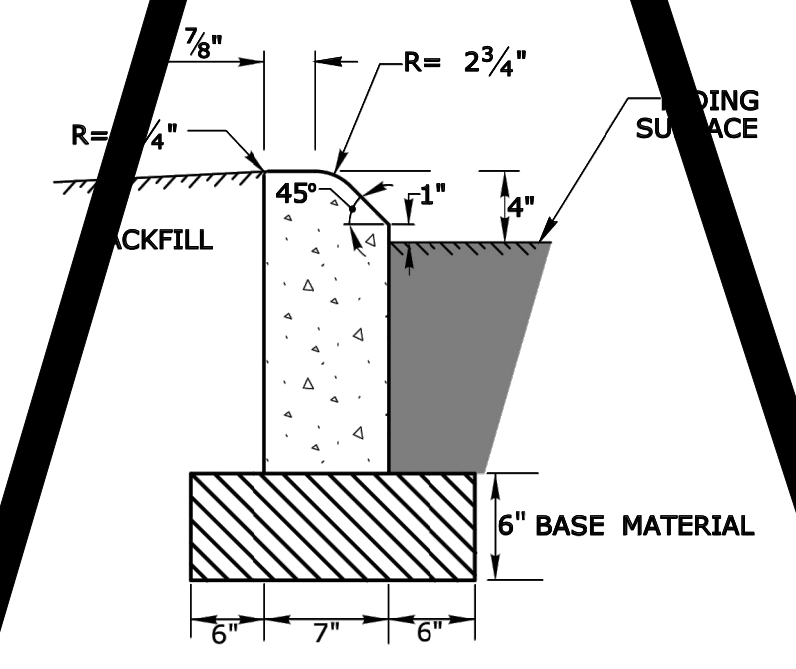
SECTION



CONCRETE PARK CURBING (6" REVEAL)



FRONT ELEVATION



SECTION

NOT TO SCALE
###

SIGNATURE BLOCK:
OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:
Leo Fontaine, P.E.
2020.07.15
14-21-26-04'00"

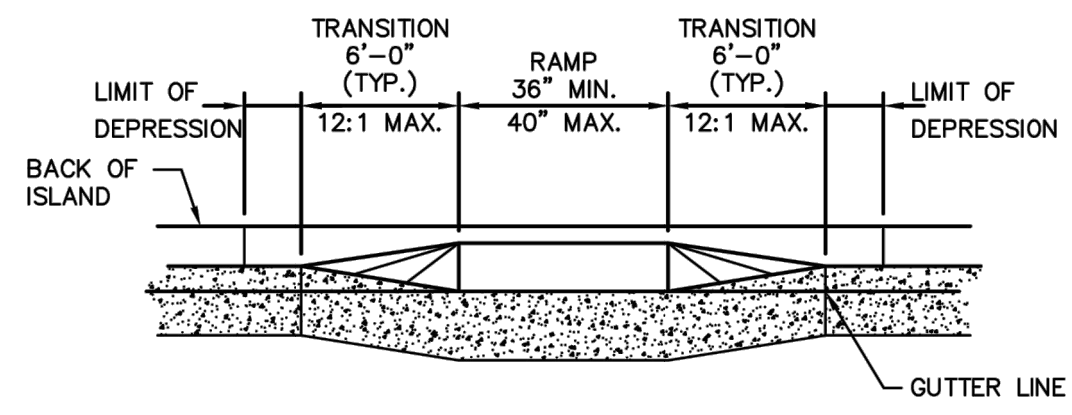
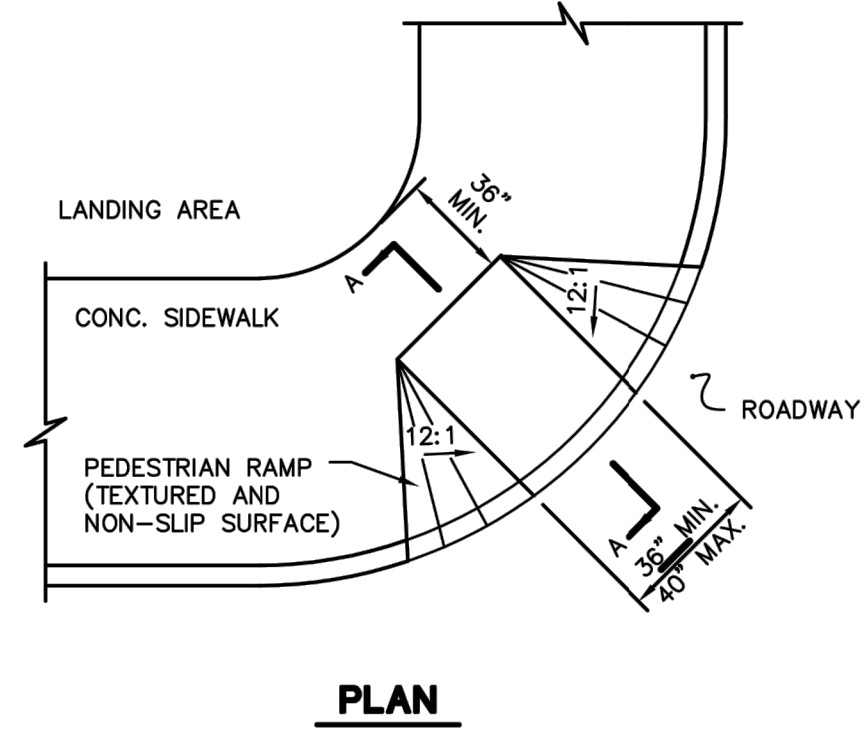
APPROVED BY:
James Fallon, P.E.
2020.07.15
14-24-21-04'00"



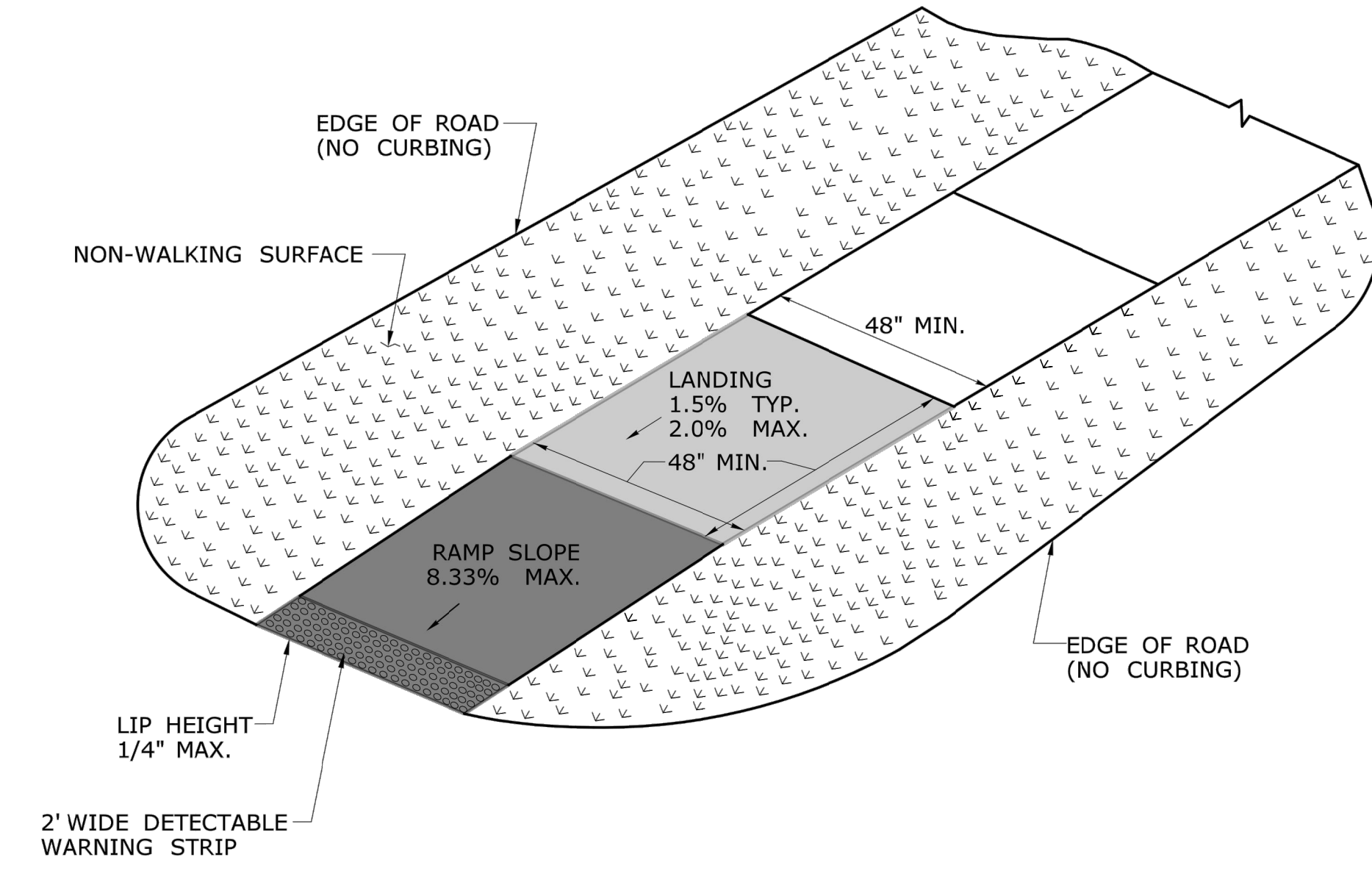
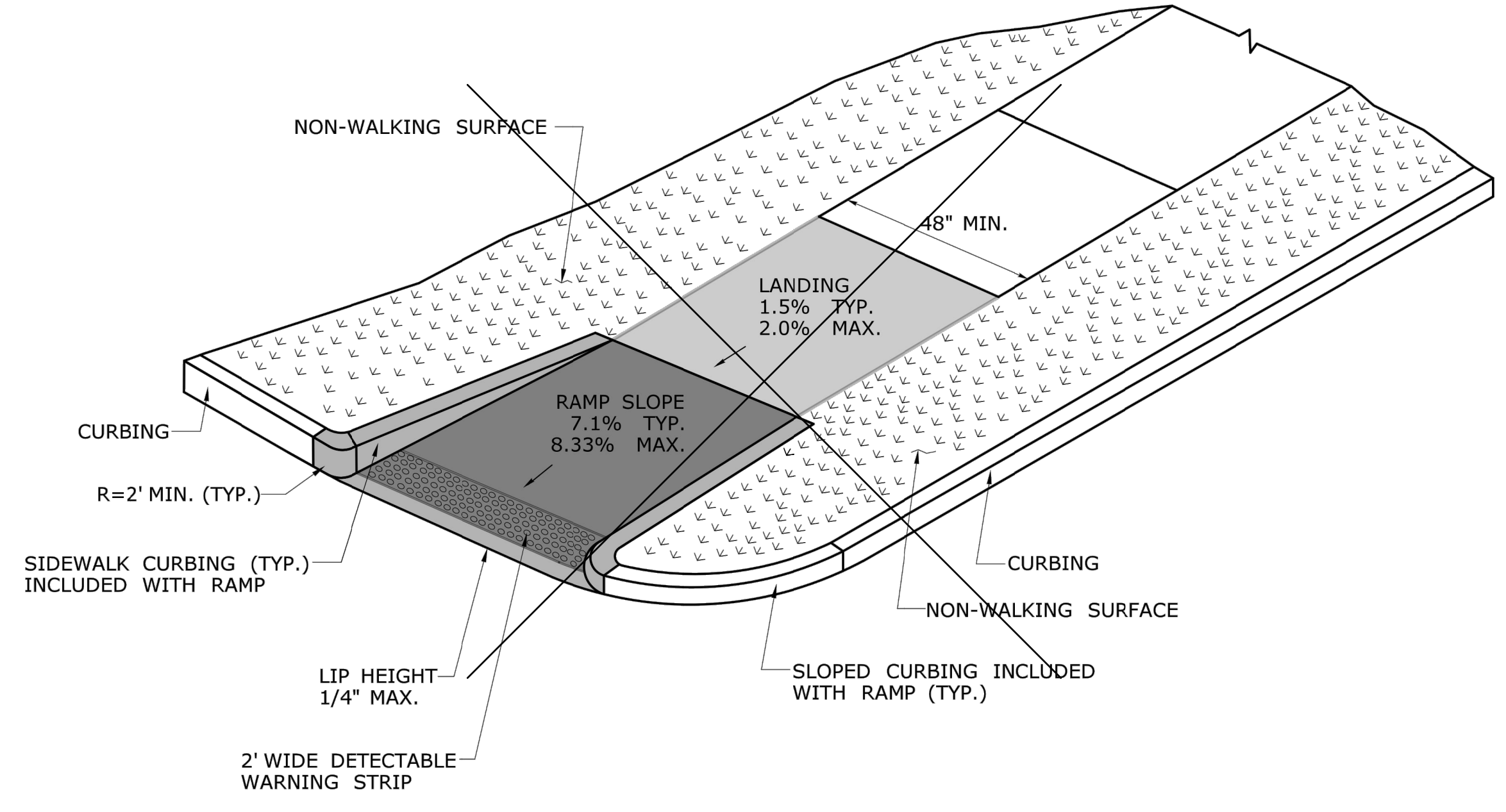
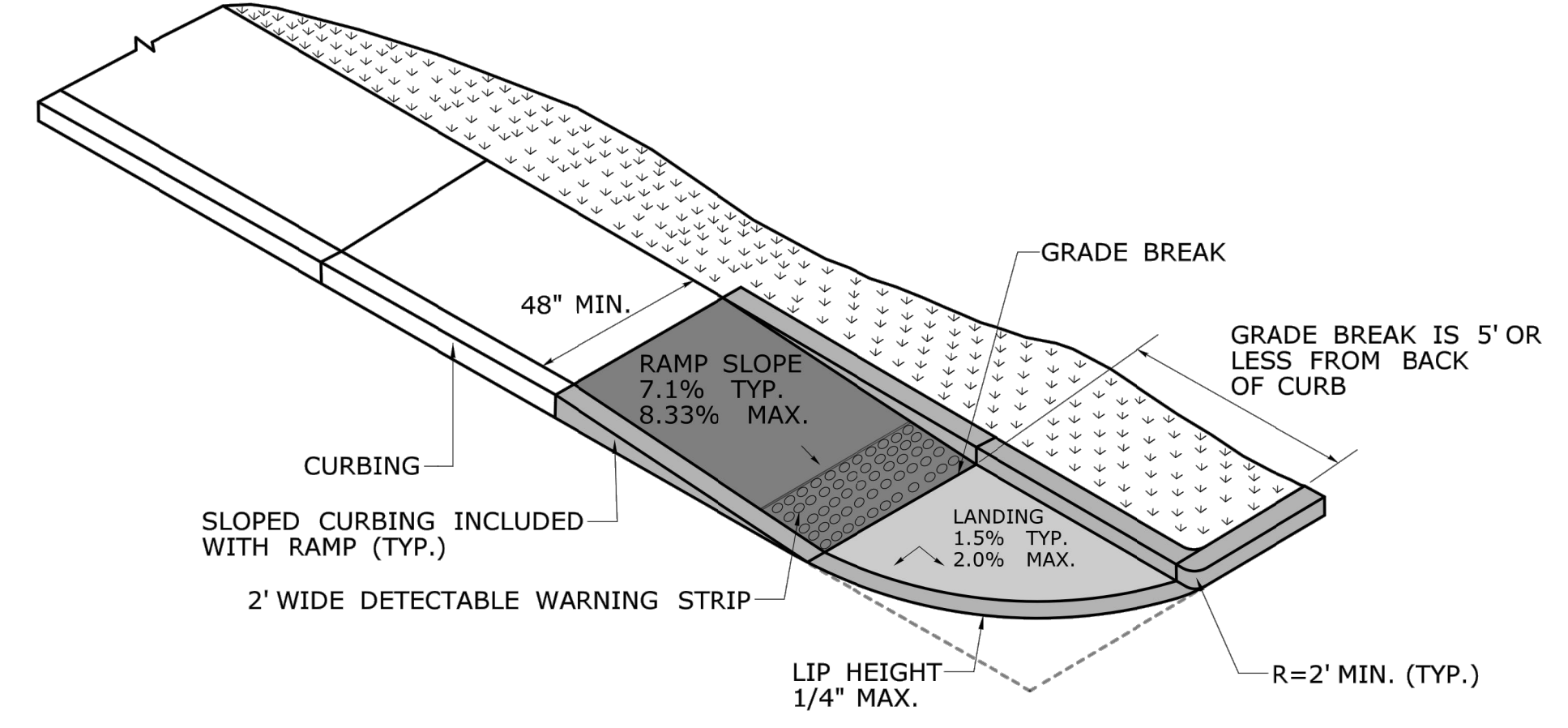
CTDOT
STANDARD SHEET

STANDARD SHEET TITLE:
CONCRETE CURBING

STANDARD SHEET NO.:
HW-811_01



PEDESTRIAN RAMP
N.T.S. BLSR-003



DESIGN INITIATED CHANGE ORDER NO. Y - mm/dd/y

DESIGNER/DRAFTER:	-	SIGNATURE/BLOCK:	-	PROJECT TITLE:	-	TOWN:	-	PROJECT NO.:	-
CHECKED BY:	-	OFFICE OF ENGINEERING	-	DRAWING TITLE:	-	DRAWING NO.:	-	DRAWING NO.:	-
REVISION DESCRIPTION	SHEET NO.	Plotted Date: 7/23/2020	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CONCRETE SIDEWALK RAMPS SHEET 6	SHEET NO.:				

4/26/2021	BULLETIN #1 - SITE REVISIONS
5/10/2021	BULLETIN #2 - ADDRESS TOWN COMMENTS
5/10/2021	BULLETIN #3 - ADDRESS TOWN COMMENTS
6/24/2021	BULLETIN #4 - ADDRESS TOWN COMMENTS
6/24/2021	BULLETIN #5 - ADDRESS TOWN COMMENTS
6/24/2021	BULLETIN #6 - ADDRESS TOWN COMMENTS
6/24/2021	BULLETIN #7 - ADDRESS TOWN COMMENTS
6/24/2021	BULLETIN #8 - ADDRESS TOWN COMMENTS
6/24/2021	BULLETIN #9 - ADDRESS TOWN COMMENTS
6/24/2021	BULLETIN #10 - ADDRESS TOWN COMMENTS
6/24/2021	BULLETIN #11 - ADDRESS TOWN COMMENTS
6/24/2021	BULLETIN #12 - ADDRESS TOWN COMMENTS
6/24/2021	BULLETIN #13 - ADDRESS TOWN COMMENTS
6/24/2021	BULLETIN #14 - ADDRESS TOWN COMMENTS
6/24/2021	BULLETIN #15 - ADDRESS TOWN COMMENTS
6/24/2021	BULLETIN #16 - ADDRESS TOWN COMMENTS
6/24/2021	BULLETIN #17 - ADDRESS TOWN COMMENTS
6/24/2021	BULLETIN #18 - ADDRESS TOWN COMMENTS
6/24/2021	BULLETIN #19 - ADDRESS TOWN COMMENTS
6/24/2021	BULLETIN #20 - ADDRESS TOWN COMMENTS

Designed	R.M.D.
Drawn	R.M.D.
Reviewed	S.M.K.
Scale	NONE
Project No.	1901997
Date	07/07/2021
CAD File:	DN190199701

Title
DETAILS SHEET - CT DOT STANDARDS

Sheet No.
DN-5

4/26/2021	BULLIEN #1 - SITE REVISIONS
5/10/2021	BULLIEN #2 - ADDRESS TOWN COMMENTS
5/10/2021	BULLIEN #3 - ADDRESS TOWN COMMENTS
6/22/2021	BULLIEN #4 - ADDRESS TOWN COMMENTS
6/22/2021	BULLIEN #5 - ADDRESS TOWN COMMENTS
6/22/2021	BULLIEN #6 - ADDRESS TOWN COMMENTS
6/22/2021	BULLIEN #7 - ADDRESS TOWN COMMENTS
6/22/2021	BULLIEN #8 - ADDRESS TOWN COMMENTS
6/22/2021	BULLIEN #9 - ADDRESS TOWN COMMENTS
6/22/2021	BULLIEN #10 - ADDRESS TOWN COMMENTS
6/22/2021	BULLIEN #11 - ADDRESS TOWN COMMENTS
6/22/2021	BULLIEN #12 - ADDRESS TOWN COMMENTS
6/22/2021	BULLIEN #13 - ADDRESS TOWN COMMENTS
6/22/2021	BULLIEN #14 - ADDRESS TOWN COMMENTS
6/22/2021	BULLIEN #15 - ADDRESS TOWN COMMENTS
6/22/2021	BULLIEN #16 - ADDRESS TOWN COMMENTS
6/22/2021	BULLIEN #17 - ADDRESS TOWN COMMENTS
6/22/2021	BULLIEN #18 - ADDRESS TOWN COMMENTS
6/22/2021	BULLIEN #19 - ADDRESS TOWN COMMENTS
6/22/2021	BULLIEN #20 - ADDRESS TOWN COMMENTS

Designed	R.M.D.
Drawn	R.M.D.
Reviewed	S.M.K.
Scale	NONE
Project No.	1901997
Date	07/07/2021
CAD File:	DN190199701

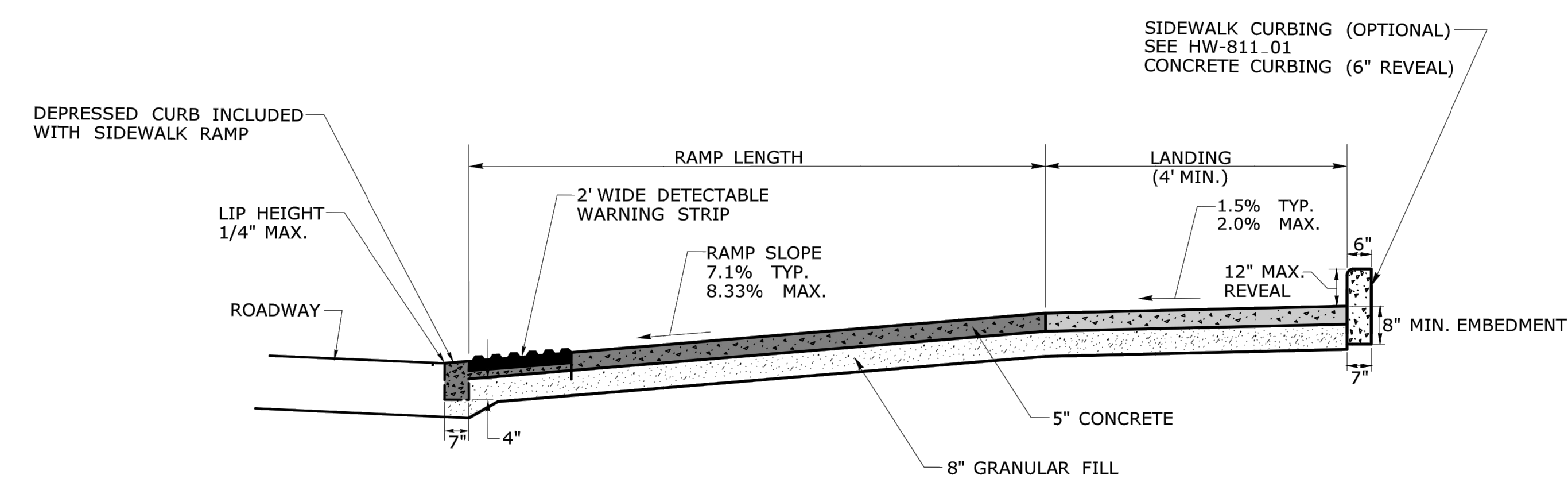
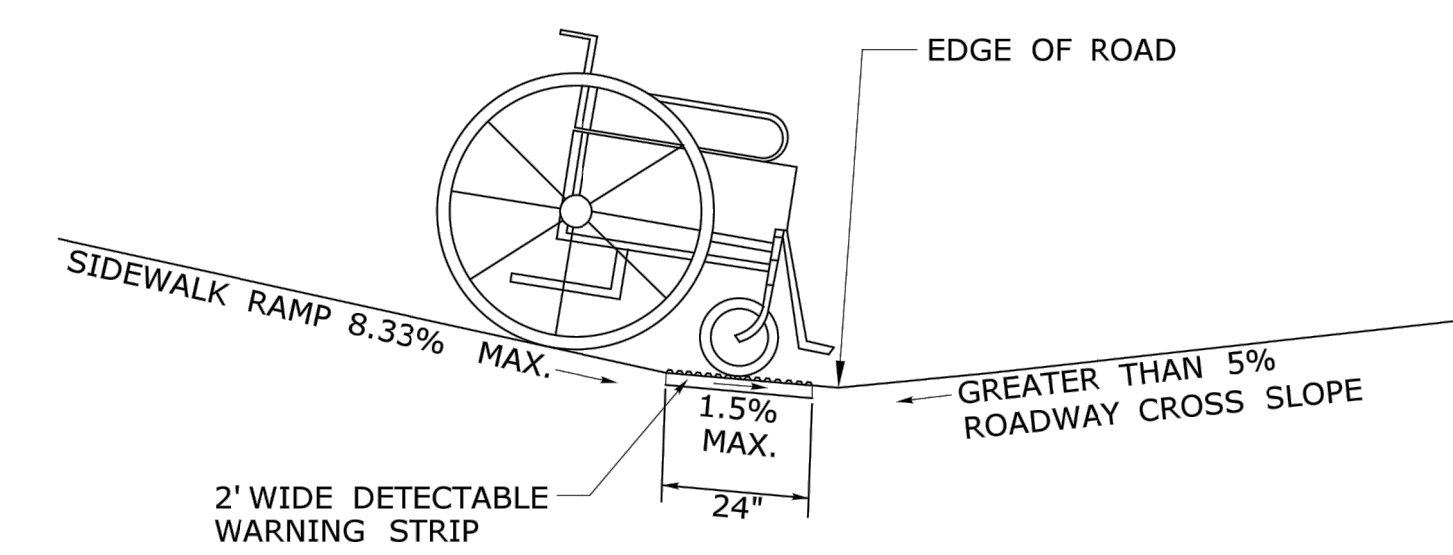
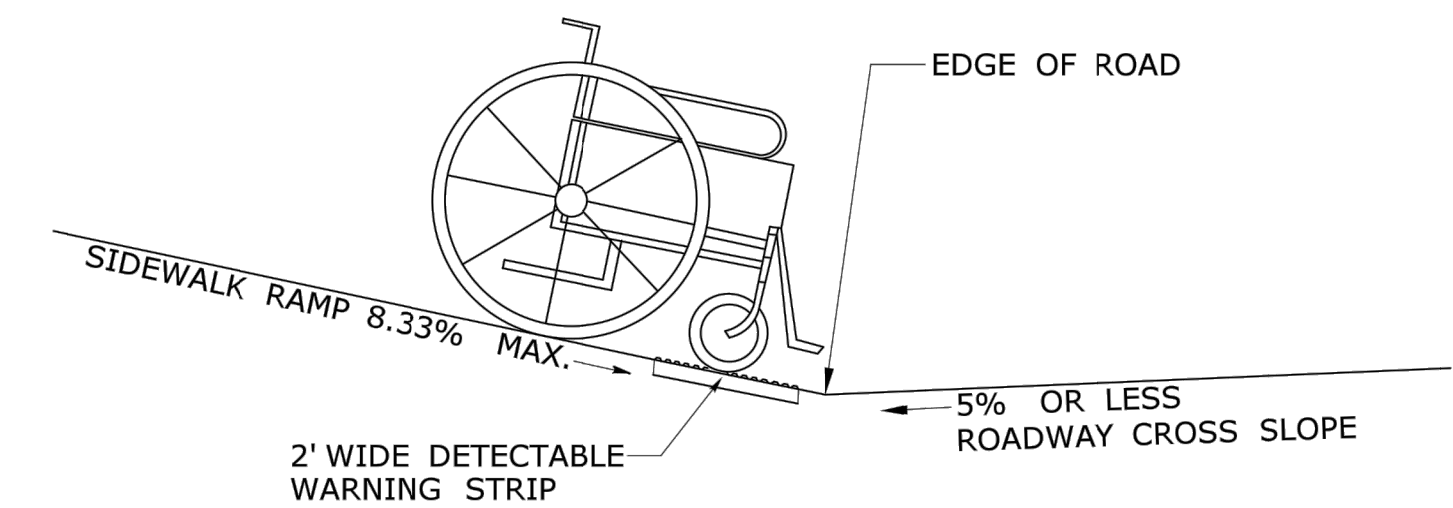
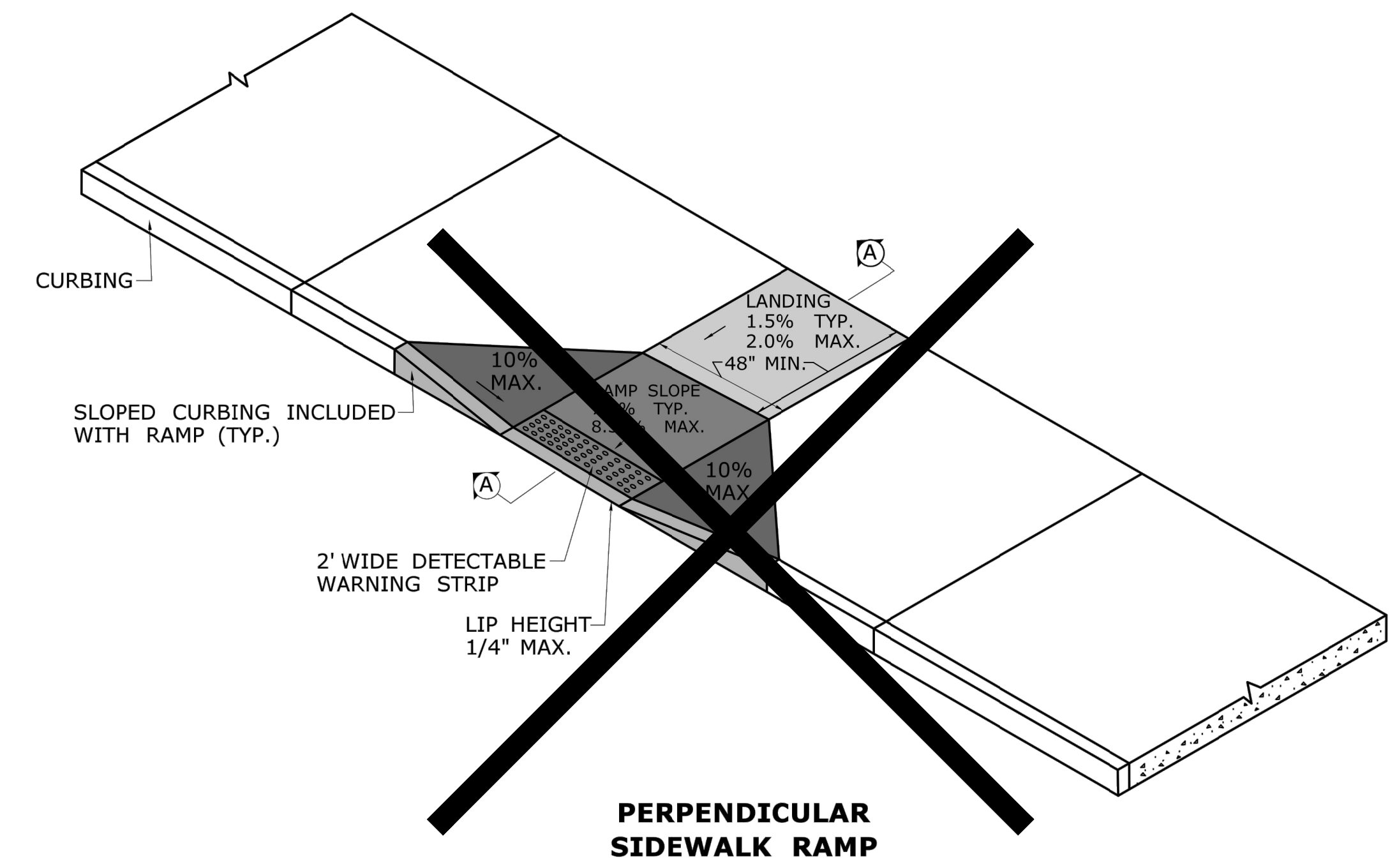
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DETAILS SHEET - CT DOT STANDARDS

Sheet No.

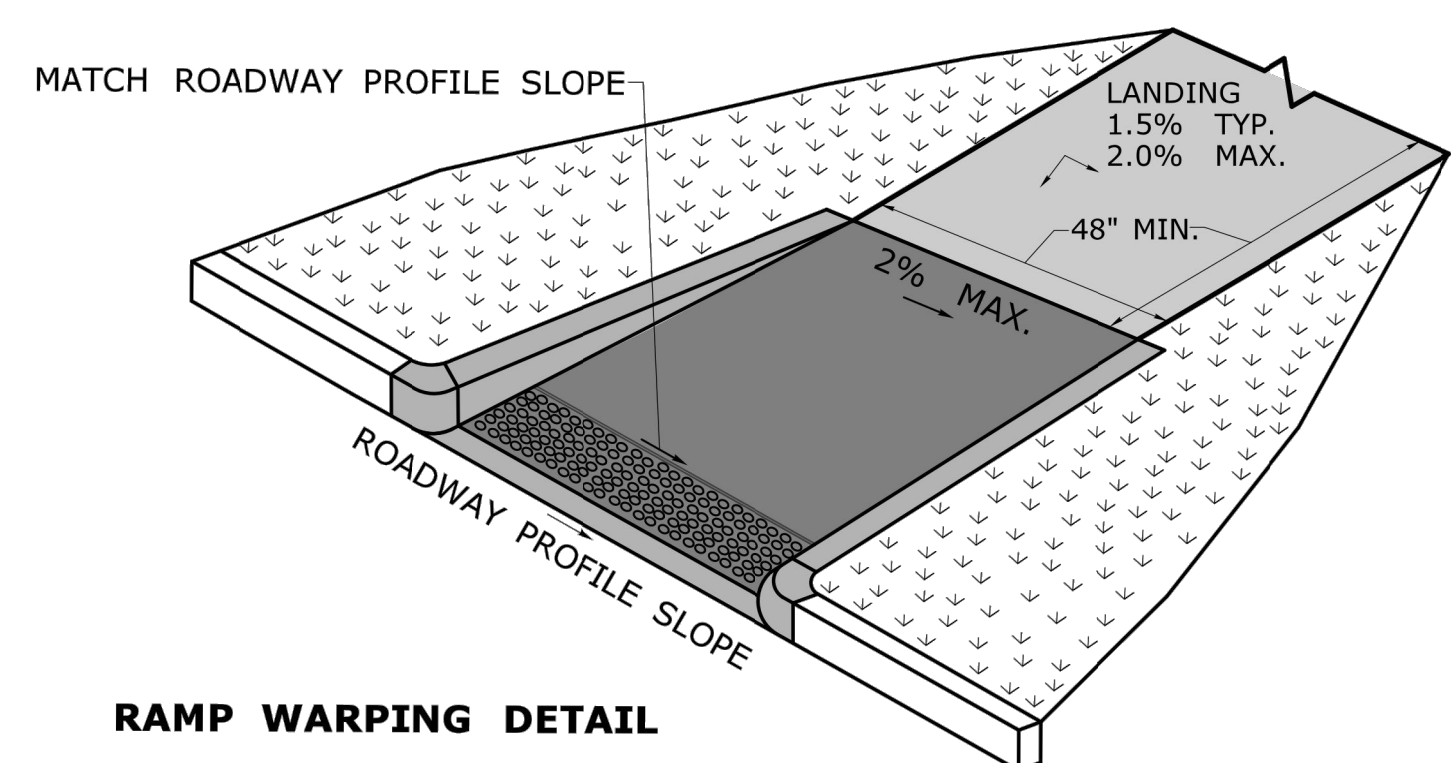
DN-6

GENERAL NOTES:

1. SIDEWALK RAMP SHALL HAVE A COARSE BROOM FINISH TRAVERSE TO THE SLOPE OF THE RAMP.
2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED 1/4 INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF THE CURB RAMP SHALL BE 8.3 PERCENT MAXIMUM BUT SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET.



SIDEWALK RAMP GRADE AT ROADWAY CROSS SLOPE OF GREATER THAN 5%



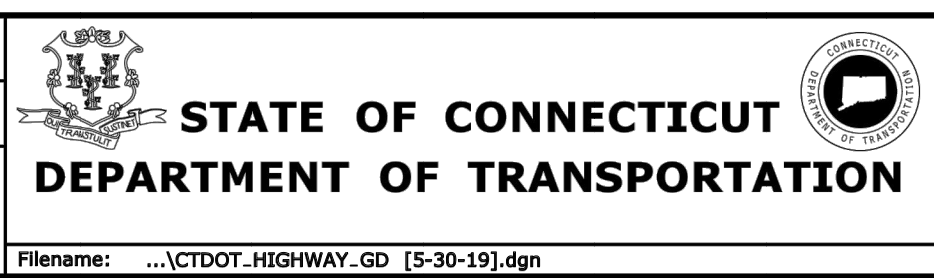
1. TRANSITION SIDEWALK RAMP TO MATCH ROADWAY PROFILE AS GRADUALLY AS POSSIBLE. DO NOT EXCEED 3% PER FOOT CROSS SLOPE RATE OF CHANGE WHEN TRANSITIONING TO ROADWAY PROFILE.
2. COMPLETE TRANSITION TO ROADWAY PROFILE BEHIND DETECTABLE WARNING SURFACE.

DESIGN INITIATED CHANGE ORDER NO. Y - mm/dd/yy

1.	6/19	REVISED MAX LANDING SLOPE TO 2% AND DRAWING TITLE	
REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER:
CHECKED BY:

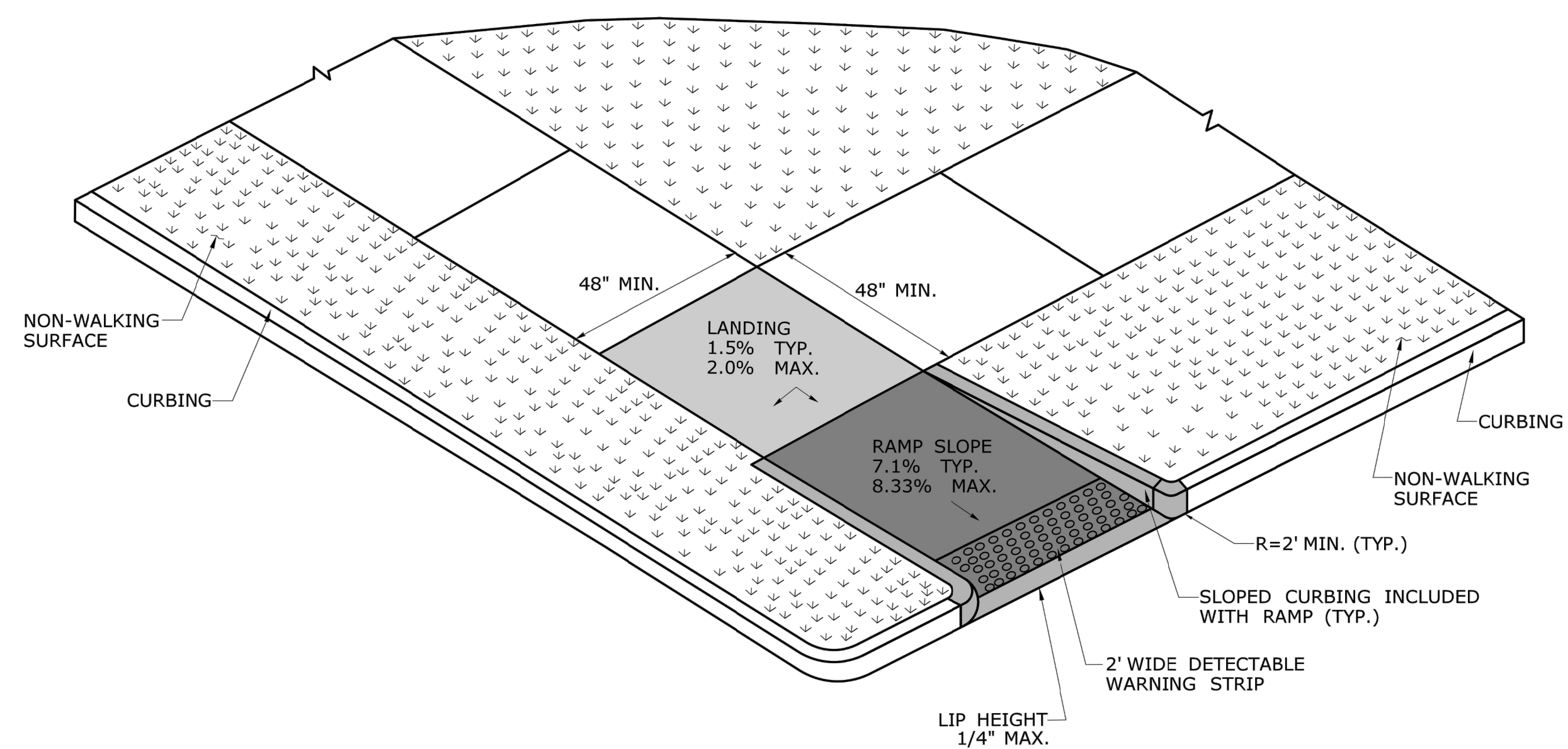


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APPROVED BY:

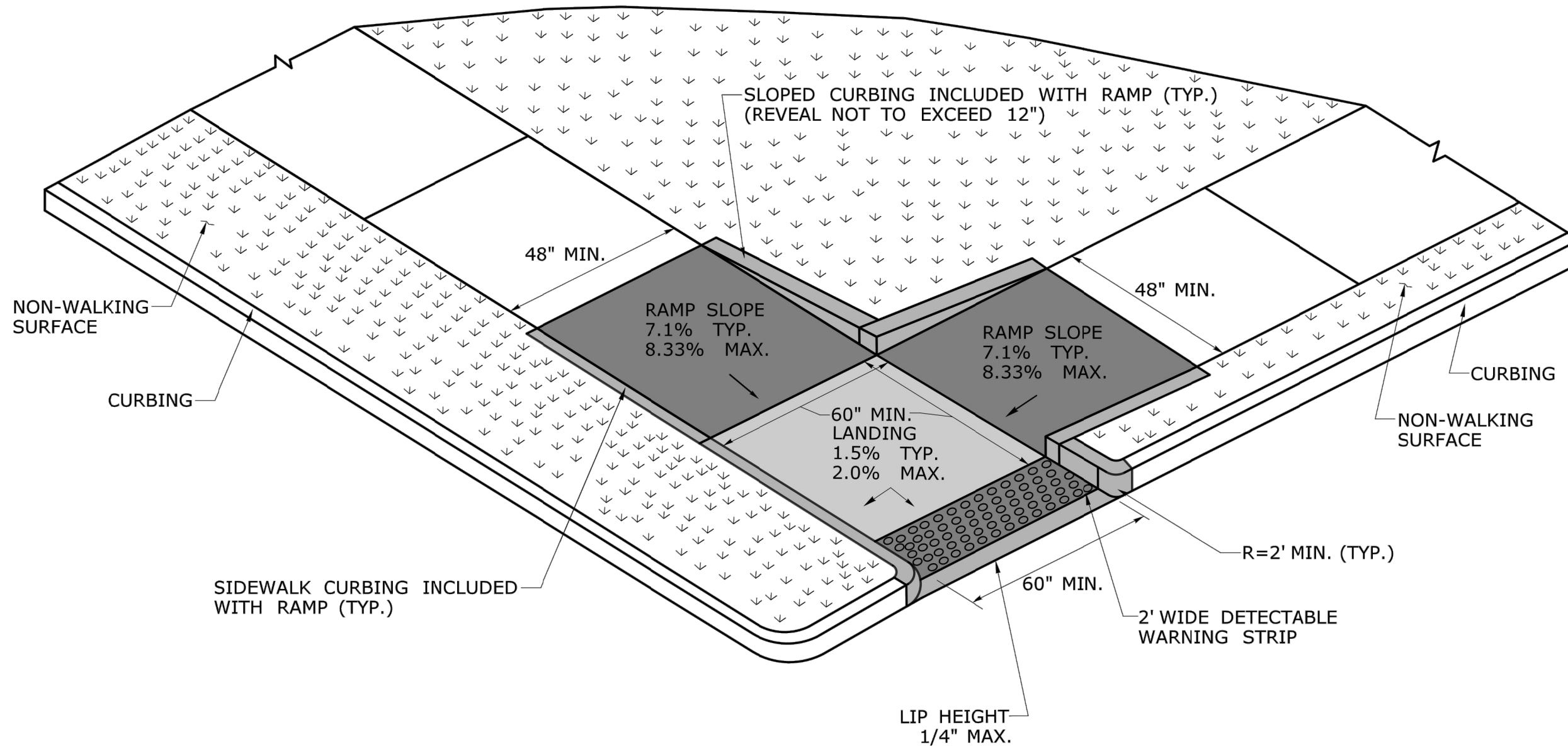
PROJECT TITLE:

TOWN:
PROJECT NO.
DRAWING TITLE:
CONCRETE SIDEWALK RAMPS SHEET 1

DRAWING NO.
SHEET NO.



RESTRICTED PEDESTRIAN CROSSING SIDEWALK RAMP WITH NON-WALKING SURFACE (TYPE 20)



RESTRICTED PEDESTRIAN CROSSING WITH LANDING AT BOTTOM AND NON-WALKING SURFACE (TYPE 21)

DESIGN INITIATED CHANGE ORDER NO. Y - mm/dd/yy

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 1/30/2019	DESIGNER/DRAFTER: CHECKED BY:	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>	SIGNATURE/BLOCK: APPROVED BY:	PROJECT TITLE: -	TOWN: -	PROJECT NO. -	DRAWING NO. -	SHEET NO.
				Filename: ...CTDOT_HIGHWAY.GD [1-28-19].dgn	<p>OFFICE OF ENGINEERING</p>			<p>CONCRETE SIDEWALK RAMP SHEET 8</p>				

4/26/2021	BULLFIN #1 - SITE REVISIONS
5/10/2021	BULLFIN #2 - ADDRESS TOWN COMMENTS
5/10/2021	BULLFIN #3 - ADDRESS TOWN COMMENTS
6/24/2021	BULLFIN #4 - ADDRESS TOWN COMMENTS
6/24/2021	BULLFIN #5 - ADDRESS TOWN COMMENTS
7/26/2021	BULLFIN #6 - ADDRESS TOWN COMMENTS
8/24/2021	BULLFIN #7 - ADDRESS TOWN COMMENTS
10/11/2021	BULLFIN #8 - ADDRESS TOWN COMMENTS
1/13/2022	BULLFIN #9 - ADDRESS TOWN COMMENTS
1/22/2022	BULLFIN #10 - ADDRESS TOWN COMMENTS
1/27/2022	BULLFIN #11 - ADDRESS TOWN COMMENTS
1/27/2022	BULLFIN #12 - ADDRESS TOWN COMMENTS
1/27/2022	BULLFIN #13 - ADDRESS TOWN COMMENTS
1/27/2022	BULLFIN #14 - ADDRESS TOWN COMMENTS
1/27/2022	BULLFIN #15 - ADDRESS TOWN COMMENTS
1/27/2022	BULLFIN #16 - ADDRESS TOWN COMMENTS
1/27/2022	BULLFIN #17 - ADDRESS TOWN COMMENTS
1/27/2022	BULLFIN #18 - ADDRESS TOWN COMMENTS
1/27/2022	BULLFIN #19 - ADDRESS TOWN COMMENTS
1/27/2022	BULLFIN #20 - ADDRESS TOWN COMMENTS

Designed	R.M.D.
Drawn	R.M.D.
Reviewed	S.M.K.
Scale	NONE
Project No.	1901997
Date	07/07/2021
CAD File:	DN190199701

Title
DETAILS SHEET - CT DOT STANDARDS

Sheet No.

DN-6A

GENERAL NOTES:

1. LONGITUDINAL TRENCHING FOR JOINTED CONCRETE PAVEMENT:

A. IF THE LONGITUDINAL TRENCH FALLS BETWEEN THE SLAB CENTERLINE AND THE EDGE OF SLAB, REMOVE CONCRETE AND BITUMINOUS CONCRETE PAVEMENT FROM THE TRENCH EDGE TO THE EDGE OF ROAD. IF THE LONGITUDINAL TRENCH FALLS BETWEEN THE LONGITUDINAL JOINT AND THE SLAB CENTERLINE, REMOVE THE ENTIRE CONCRETE SLAB AND BITUMINOUS CONCRETE PAVEMENT TO THE EDGE OF ROAD. IN EITHER CASE REBUILD WITH THE FOLLOWING:

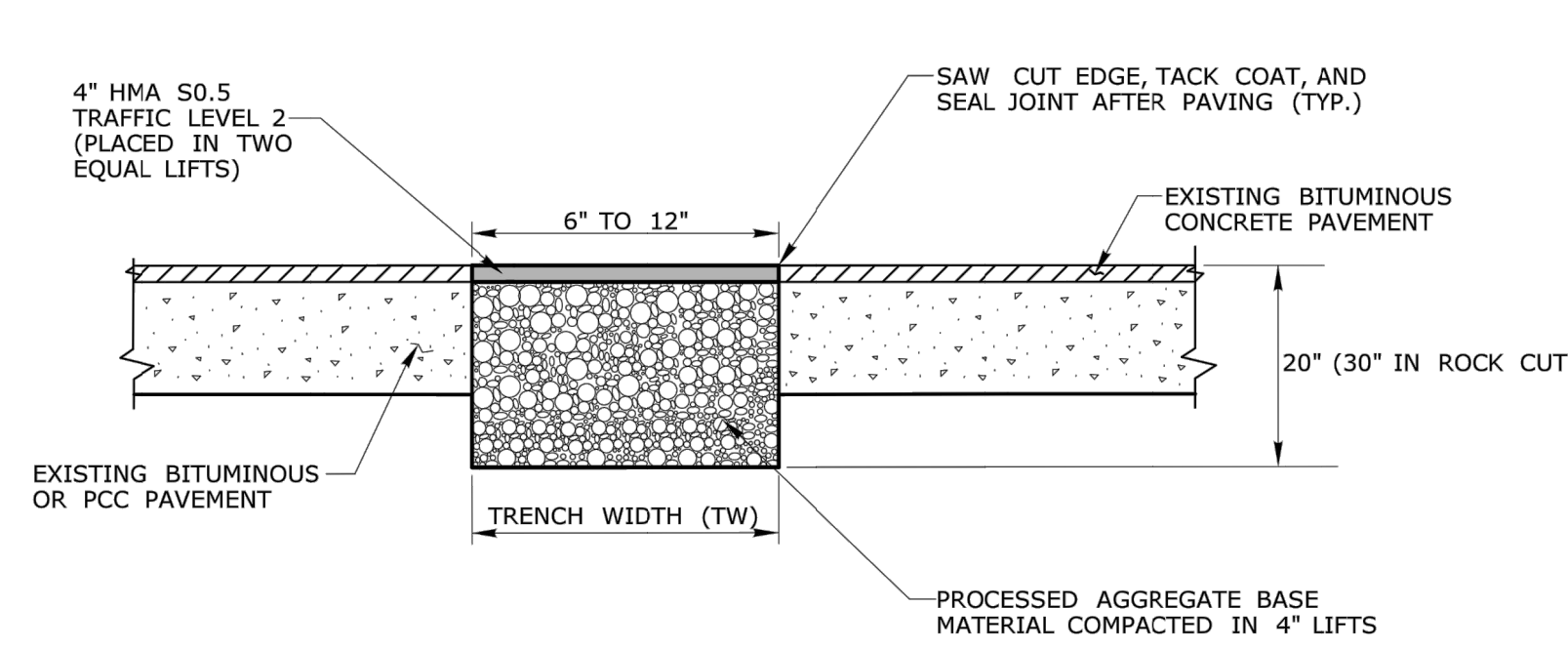
- a. PLACE HMA S1.0 TRAFFIC LEVEL 2 IN TWO EQUAL 4" - 5" LIFTS TO MATCH EXISTING CONCRETE PAVEMENT THICKNESS
- b. PLACE HMA S0.5 TRAFFIC LEVEL 2 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS, WITH THE FINAL LIFT BEING 2"

2. TRANSVERSE TRENCHING FOR JOINTED CONCRETE PAVEMENT:

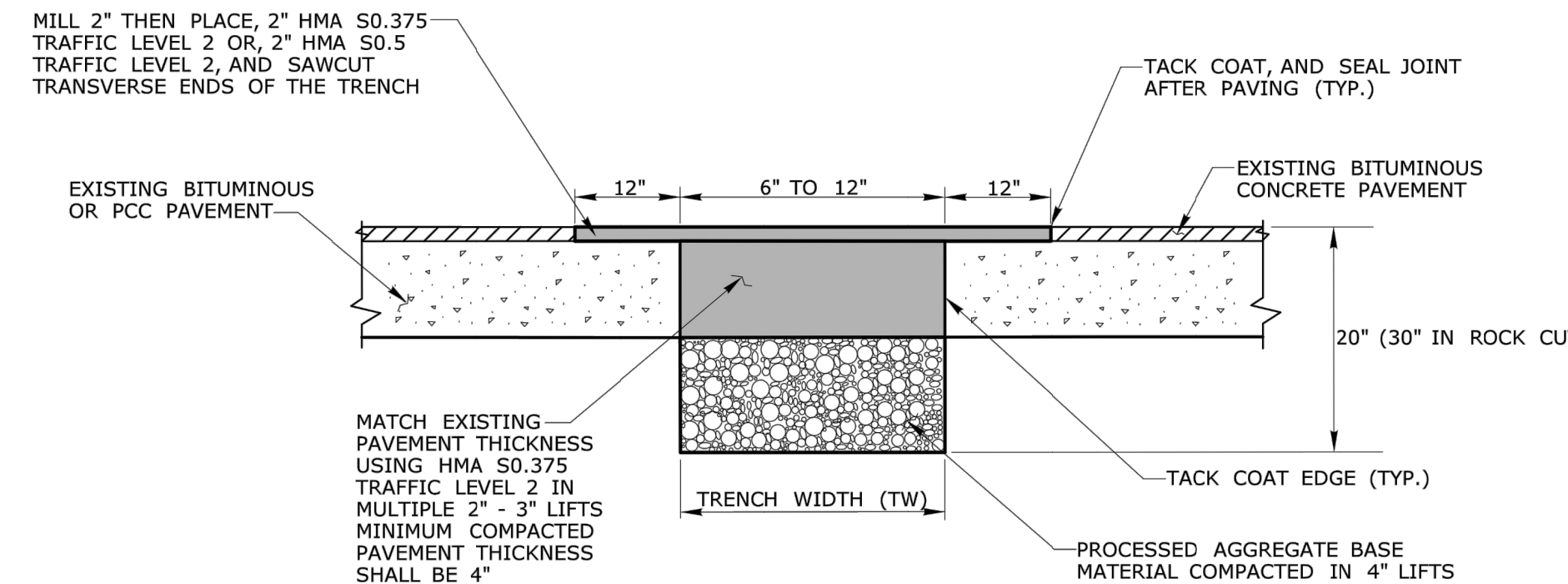
TABLE 1	
TOTAL SLAB LENGTH (L)	MIN. LENGTH REMAINING
40' OR LONGER	1/4 L
15' - 40'	10'
15' OR SHORTER	REBUILD TO NEAREST JOINT

A. FOR TRANSVERSE TRENCHES, THE MINIMUM SLAB LENGTH AS SHOWN IN TABLE 1 SHALL BE LEFT IN PLACE TO THE NEAREST TRANSVERSE JOINT. IF THIS CRITERIA CANNOT BE MET, THE EXISTING SLAB AREA FROM THE TRENCH EDGE TO THE NEAREST TRANSVERSE JOINT SHALL BE REMOVED AND REBUILT AS FOLLOWS:

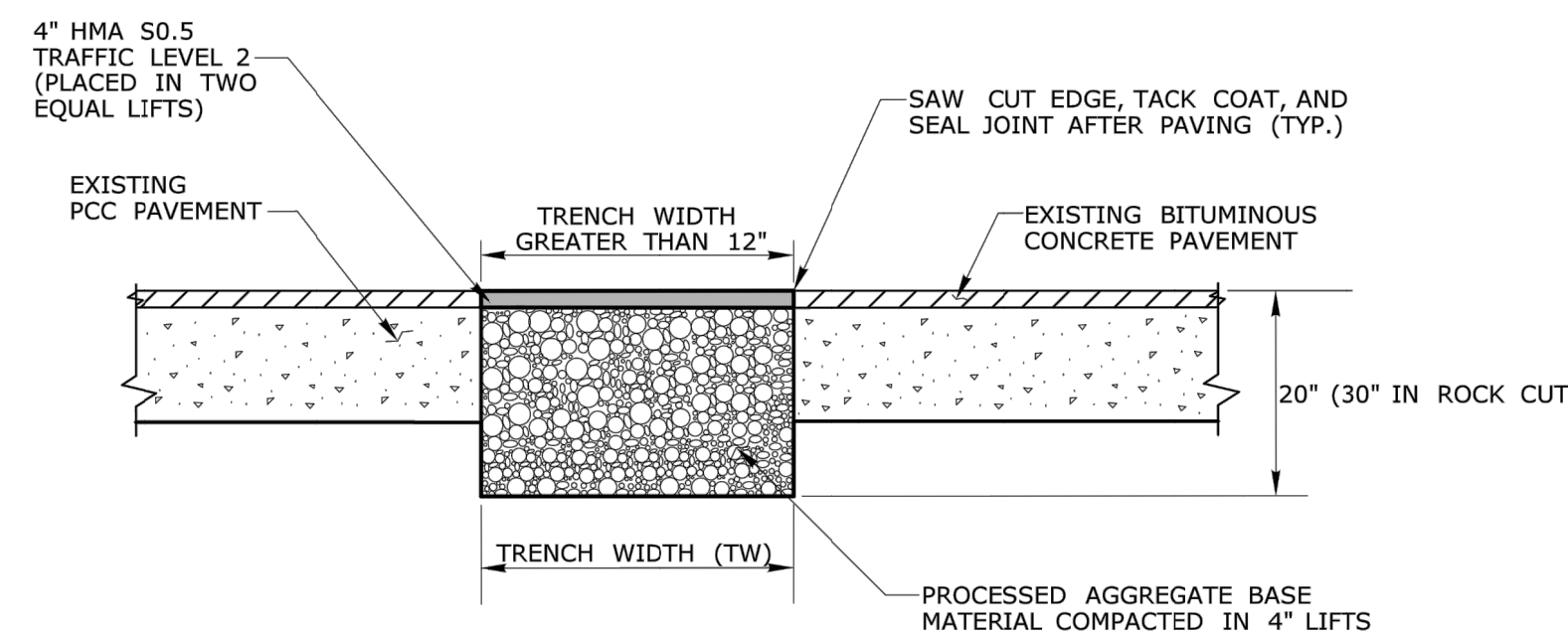
- a. PLACE HMA S1.0 TRAFFIC LEVEL 2 IN TWO EQUAL 4" - 5" LIFTS TO MATCH EXISTING CONCRETE PAVEMENT THICKNESS
- b. PLACE HMA S0.5 TRAFFIC LEVEL 2 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS, WITH THE FINAL LIFT BEING 2"



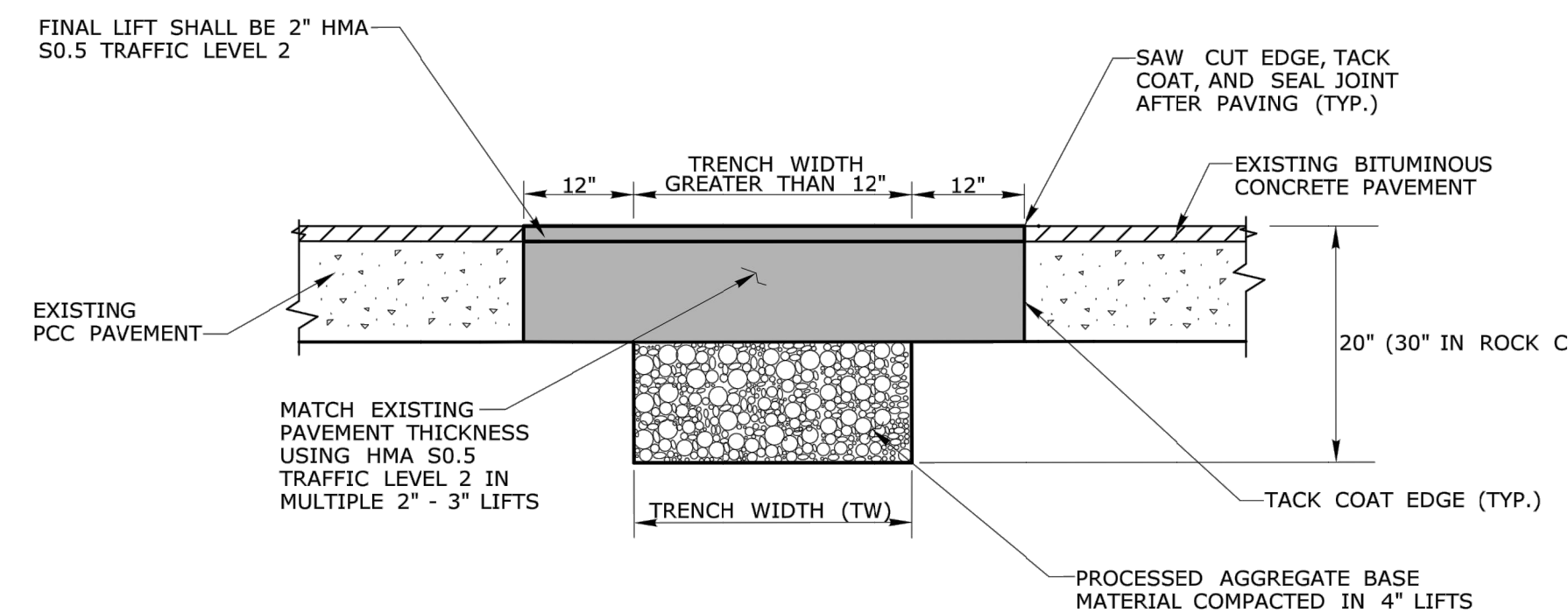
TEMPORARY PAVEMENT - FOR NARROW TRENCH THROUGH BITUMINOUS CONCRETE OR OVERLAID PORTLAND CEMENT CONCRETE (PCC) (TRENCH WIDTH BETWEEN 6" AND 12")



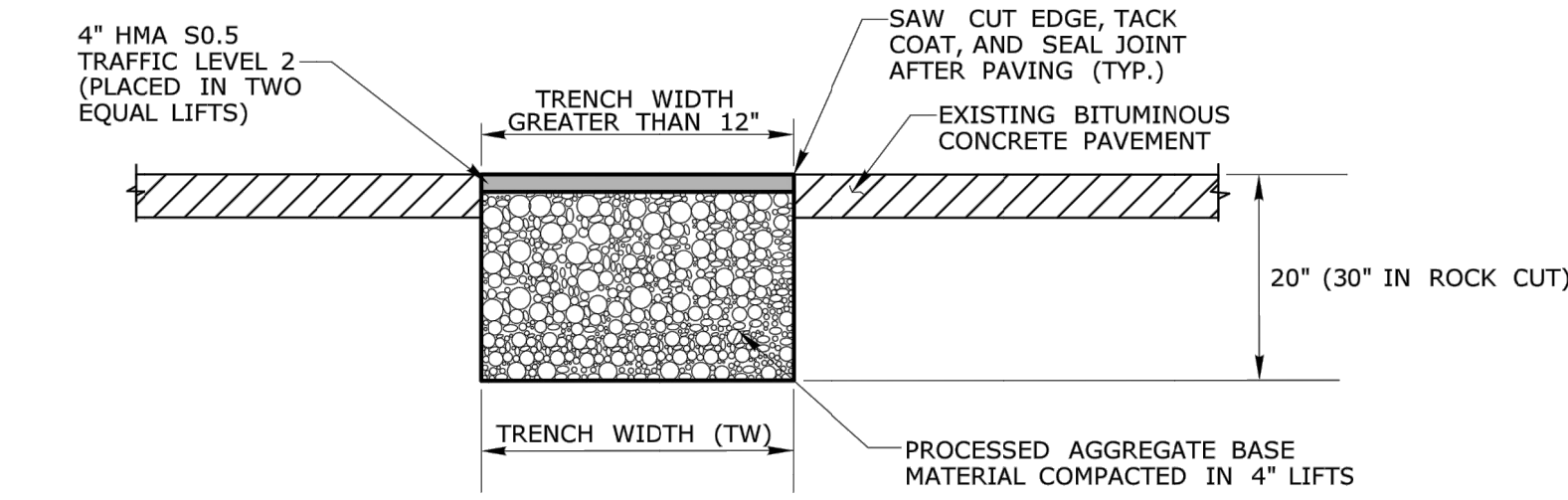
PERMANENT PAVEMENT - FOR NARROW TRENCH THROUGH BITUMINOUS CONCRETE OR OVERLAID PORTLAND CEMENT CONCRETE (PCC) (TRENCH WIDTH BETWEEN 6" AND 12")



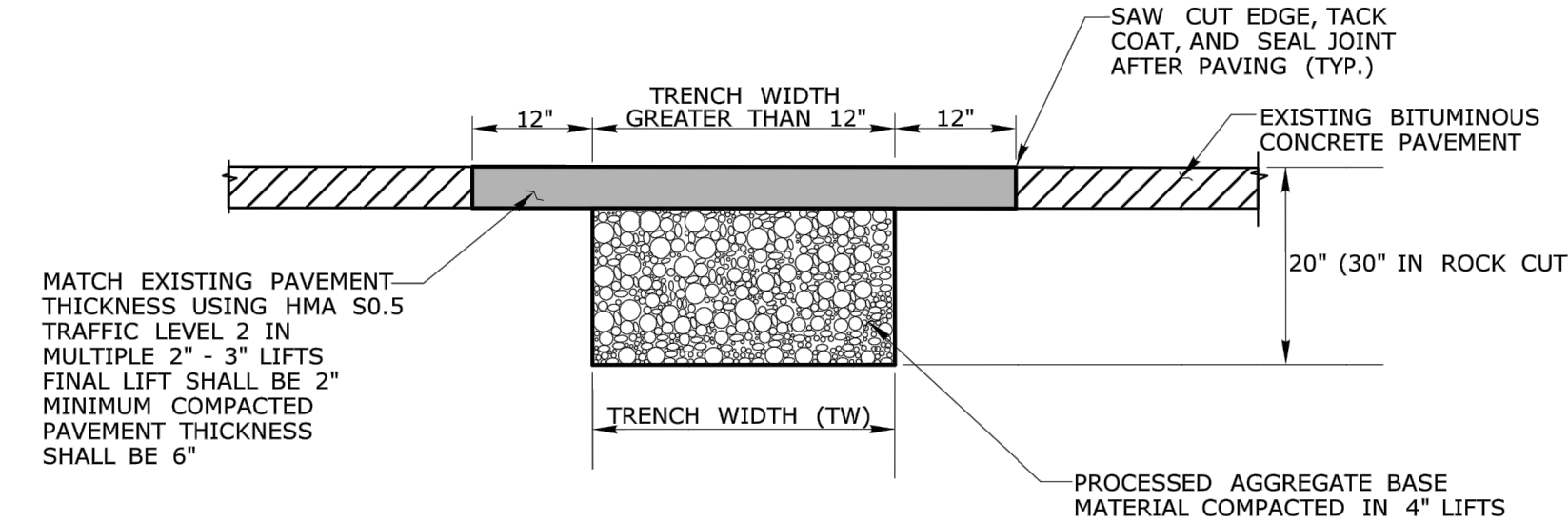
TEMPORARY PAVEMENT FOR TRENCH THROUGH OVERLAID PORTLAND CEMENT CONCRETE (PCC) (TRENCH WIDTH GREATER THAN 12")



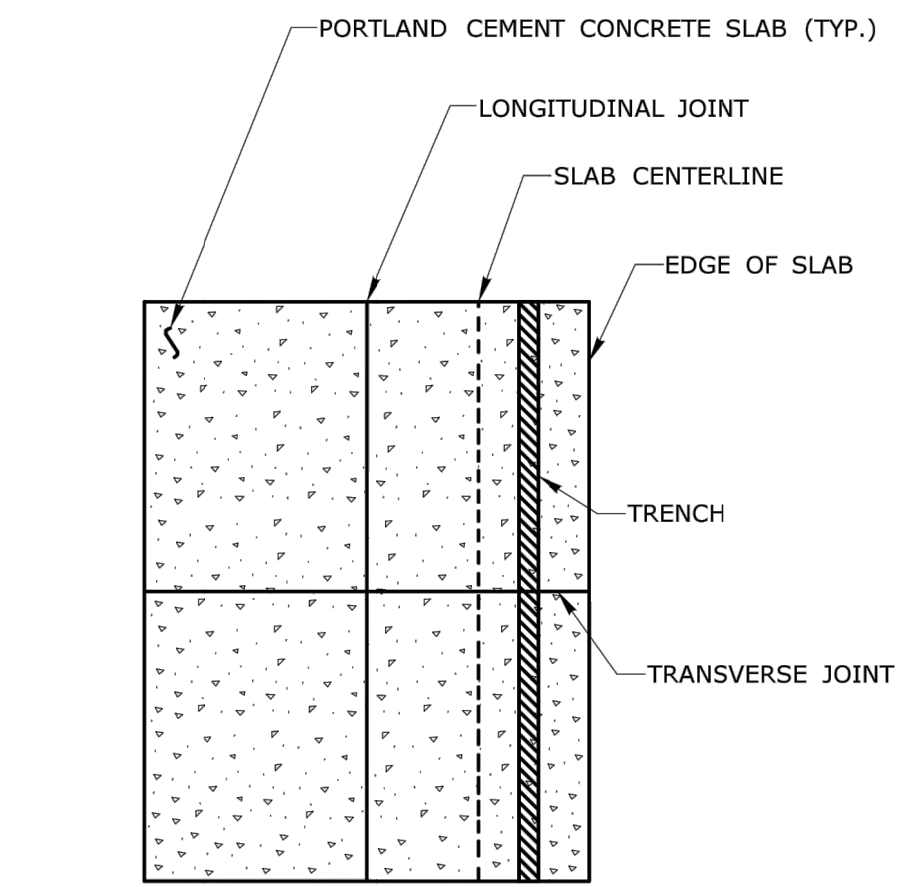
PERMANENT PAVEMENT FOR TRENCH THROUGH OVERLAID PORTLAND CEMENT CONCRETE (PCC) (TRENCH WIDTH GREATER THAN 12")



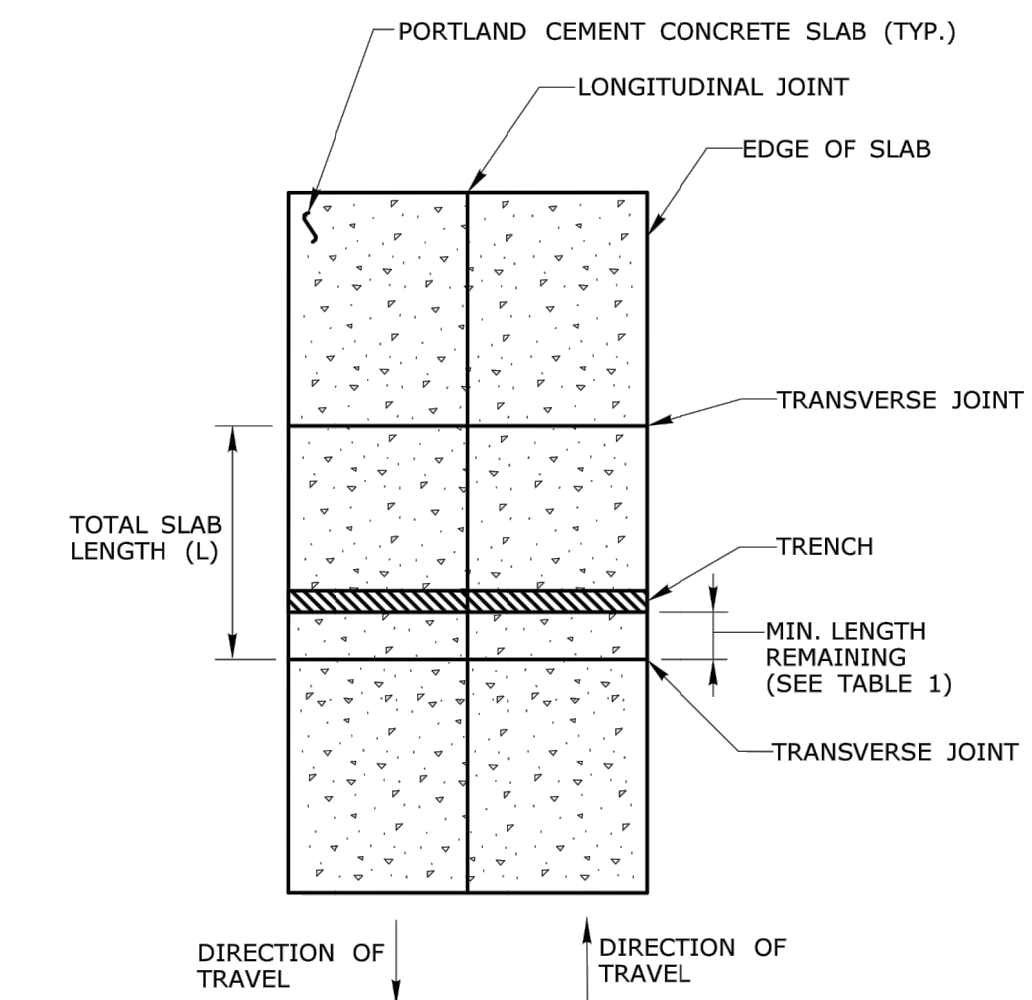
TEMPORARY PAVEMENT FOR TRENCH THROUGH BITUMINOUS CONCRETE (TRENCH WIDTH GREATER THAN 12")



PERMANENT PAVEMENT FOR TRENCH THROUGH BITUMINOUS CONCRETE (TRENCH WIDTH GREATER THAN 12")



LONGITUDINAL TRENCHING FOR JOINTED CONCRETE PAVEMENT (SEE NOTE 1)



TRANSVERSE TRENCHING FOR JOINTED CONCRETE PAVEMENT (SEE NOTE 2)

DESIGN INITIATED CHANGE ORDER NO. Y - mm/dd/yy

DESIGNER/DRAFTER: CHECKED BY: -		<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p> <p>Filename: ...CTDOT_HIGHWAY_GD_13-28-19.dgn</p>		SIGNATURE/ BLOCK: OFFICE OF ENGINEERING		PROJECT TITLE: -	TOWN: -	PROJECT NO. -
APPROVED BY: -							DRAWING NO. -	DRAWING TITLE: PAVEMENT REPAIR
REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 1/30/2019							SHEET NO.	

- 4/28/2021 BULLIEN #1 - SHEET REVISIONS
- 5/10/2021 BULLIEN #2 - ADDRESS CORRECTED
- 5/10/2021 BULLIEN #3 - ADDRESS CORRECTED
- 6/22/2021 BULLIEN #4 - ADDRESS CORRECTED
- 6/22/2021 BULLIEN #5 - ADDRESS CORRECTED
- 7/06/2021 BULLIEN #6 - ADDRESS CORRECTED
- 8/24/2021 BULLIEN #7 - ADDRESS CORRECTED
- 10/11/2021 BULLIEN #8 - ADDRESS CORRECTED
- 11/23/2021 BULLIEN #9 - ADDRESS CORRECTED
- 12/22/2021 BULLIEN #10 - ADDRESS CORRECTED
- 1/27/2022 BULLIEN #11 - ADDRESS CORRECTED

Designed R.M.D.
Drawn R.M.D.
Reviewed S.M.K.
Scale NONE
Project No. 1901997
Date 07/07/2021
CAD File: DN190199701

Title
DETAILS SHEET - CT DOT STANDARDS

Sheet No.

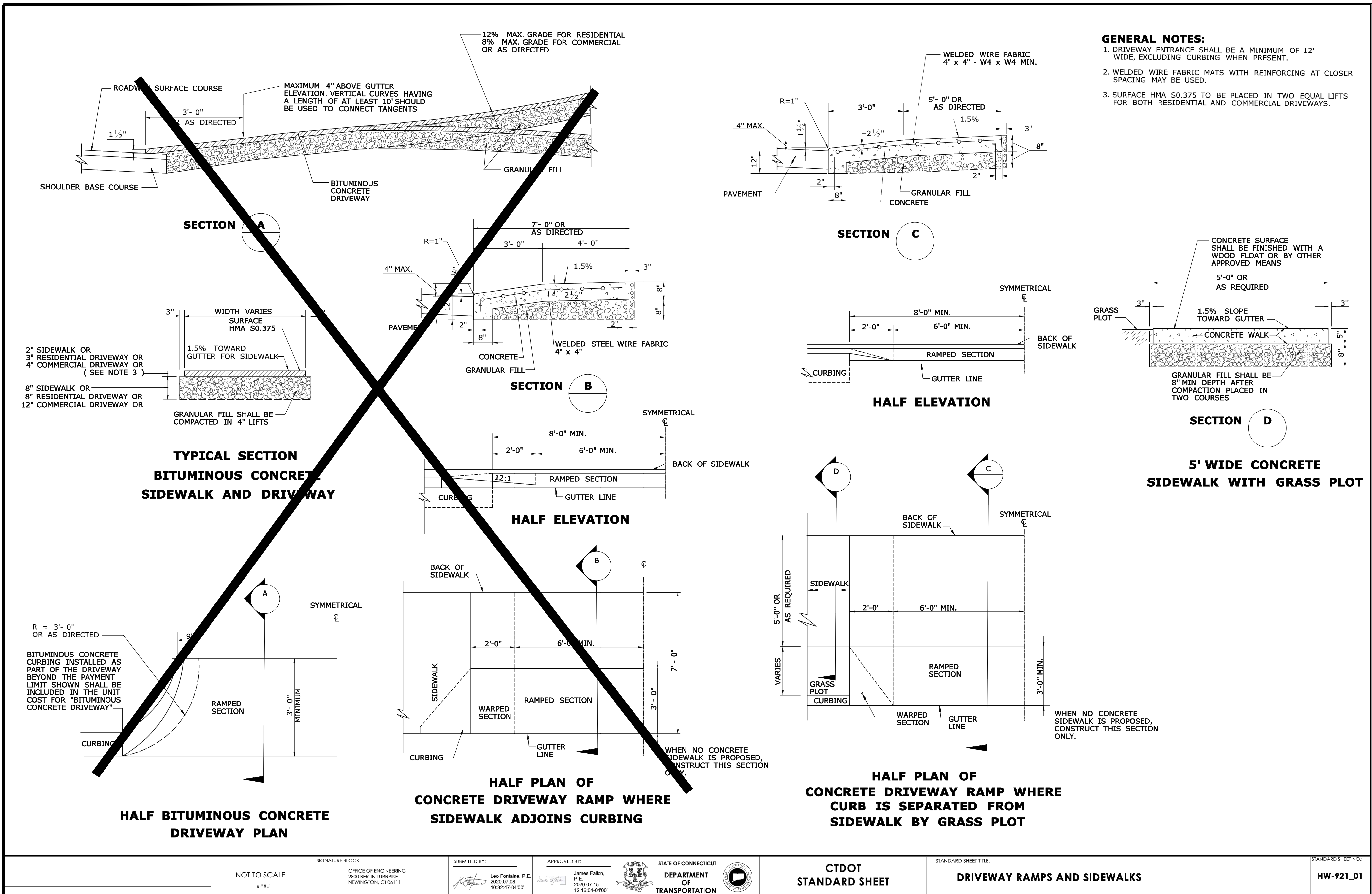
DN-7

4/26/2021	BULLETIN #1 - SITE REVISIONS
5/10/2021	BULLETIN #2 - ADDRESS COMMENTS
5/10/2021	BULLETIN #3 - ADDRESS COMMENTS
6/24/2021	BULLETIN #4 - ADDRESS COMMENTS
6/24/2021	BULLETIN #5 - ADDRESS COMMENTS
6/24/2021	BULLETIN #6 - ADDRESS COMMENTS
6/24/2021	BULLETIN #7 - ADDRESS COMMENTS
6/24/2021	BULLETIN #8 - ADDRESS COMMENTS
6/24/2021	BULLETIN #9 - ADDRESS COMMENTS
6/24/2021	BULLETIN #10 - ADDRESS COMMENTS
6/24/2021	BULLETIN #11 - ADDRESS COMMENTS
6/24/2021	BULLETIN #12 - ADDRESS COMMENTS
6/24/2021	BULLETIN #13 - ADDRESS COMMENTS
6/24/2021	BULLETIN #14 - ADDRESS COMMENTS
6/24/2021	BULLETIN #15 - ADDRESS COMMENTS
6/24/2021	BULLETIN #16 - ADDRESS COMMENTS
6/24/2021	BULLETIN #17 - ADDRESS COMMENTS
6/24/2021	BULLETIN #18 - ADDRESS COMMENTS
6/24/2021	BULLETIN #19 - ADDRESS COMMENTS
6/24/2021	BULLETIN #20 - ADDRESS COMMENTS

Designed	R.M.D.
Drawn	R.M.D.
Reviewed	S.M.K.
Scale	NONE
Project No.	1901997
Date	07/07/2021
CAD File:	DN190199701

Title
DETAILS SHEET - CT DOT STANDARDS

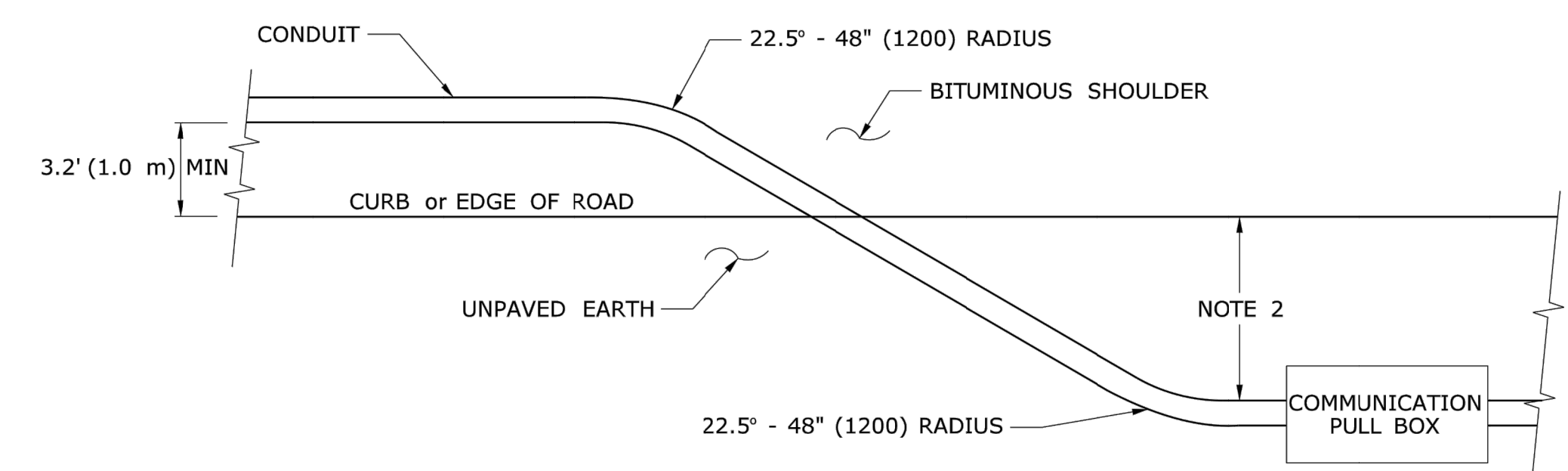
Sheet No.



NOT TO SCALE ####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Leo Fontaine, P.E. 2020.07.08 10:32:47-0400'	APPROVED BY: James Fallon, P.E. 2020.07.15 12:16:04-0400'	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: DRIVEWAY RAMPS AND SIDEWALKS	STANDARD SHEET NO.: HW-921_01
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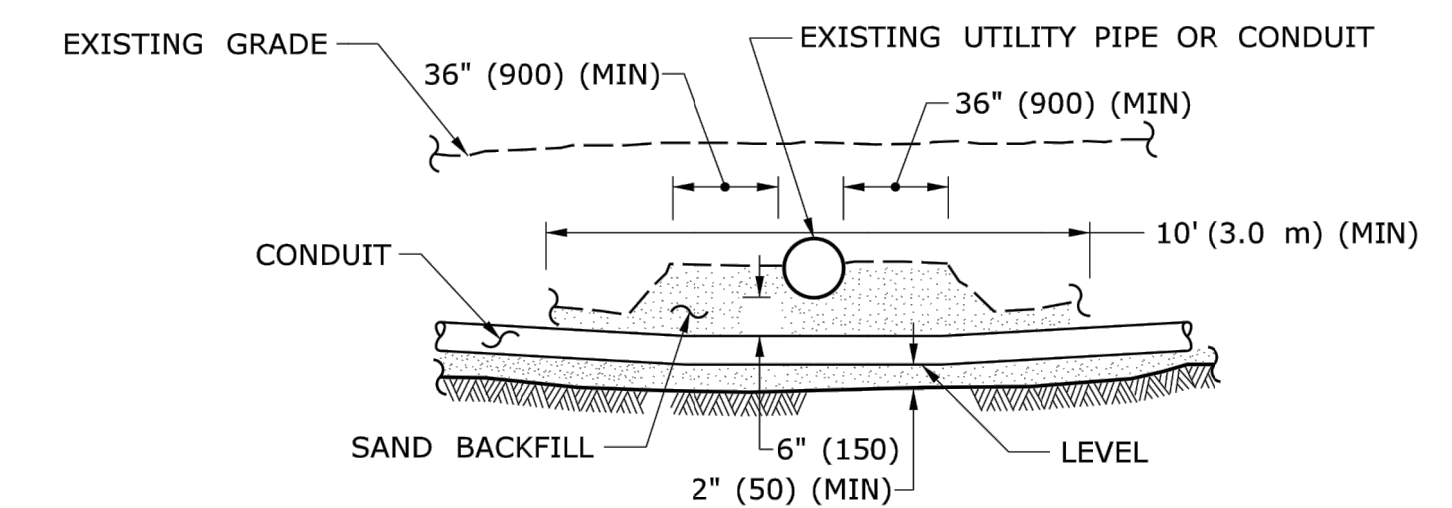
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Sheet ID: #BD190199701 - 801-00000001



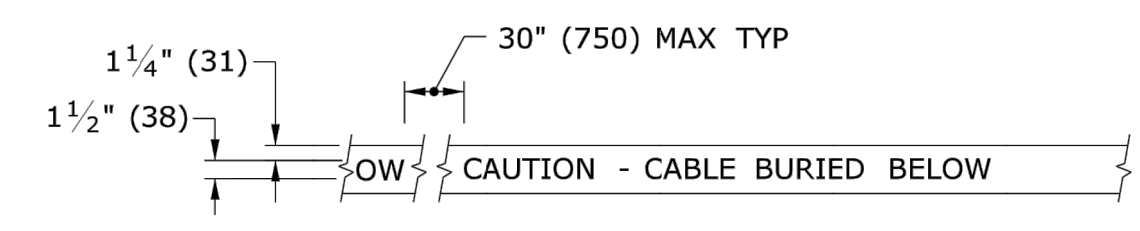
INTERCONNECT TYPICAL CURB CROSSING

- NOTES:
1. RESTORE AREAS DISTURBED BY TRENCH TO ORIGINAL CONDITION.
 2. INSTALL PULL BOX A MINIMUM OF 10' (3.0 m) FROM CURB UNLESS OTHERWISE SHOWN ON PLANS OR DIRECTED BY ENGINEER.



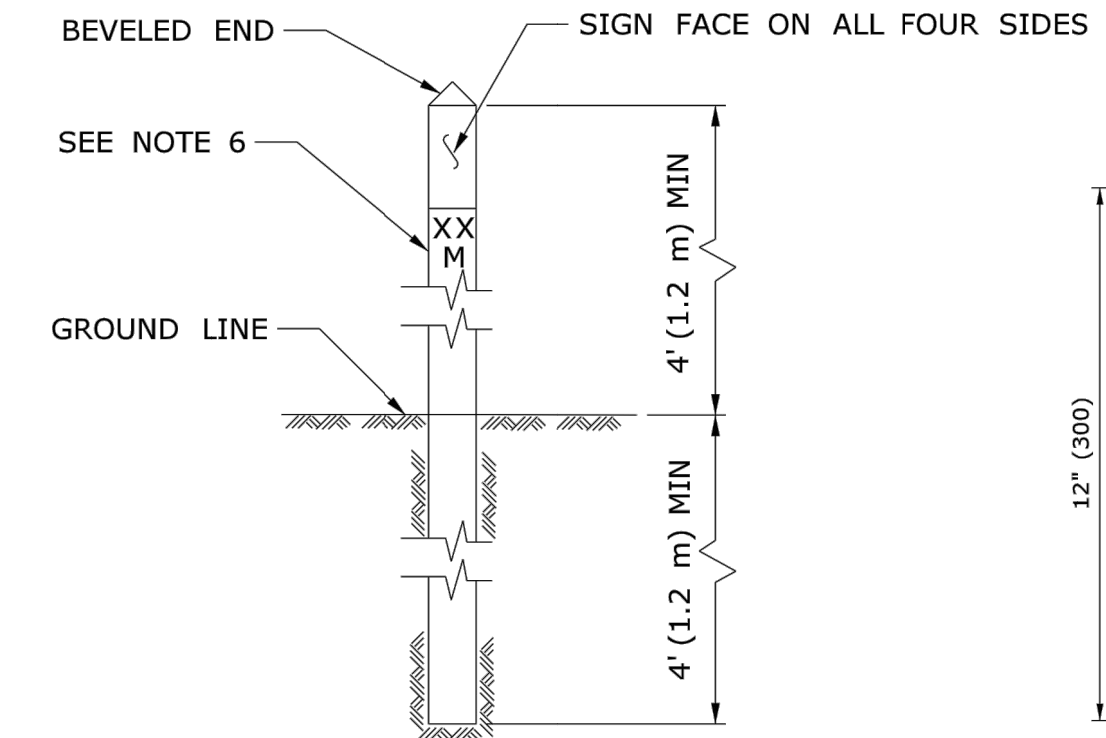
CROSSING UNDER EXISTING UTILITY

- NOTES:
1. WHEN ENCOUNTERED AT APPROXIMATELY THE SAME DEPTH, CROSS BENEATH.
 2. PROTECT & SUPPORT EXPOSED EXISTING UTILITY.



DETECTABLE WARNING TAPE

- NOTE:
STANDARD SPECIFICATIONS, ARTICLE: 1.05.15
1. TAPE COLORS:
COMMUNICATION - ORANGE BACKGROUND / BLACK LEGEND
POWER - RED BACKGROUND / BLACK LEGEND

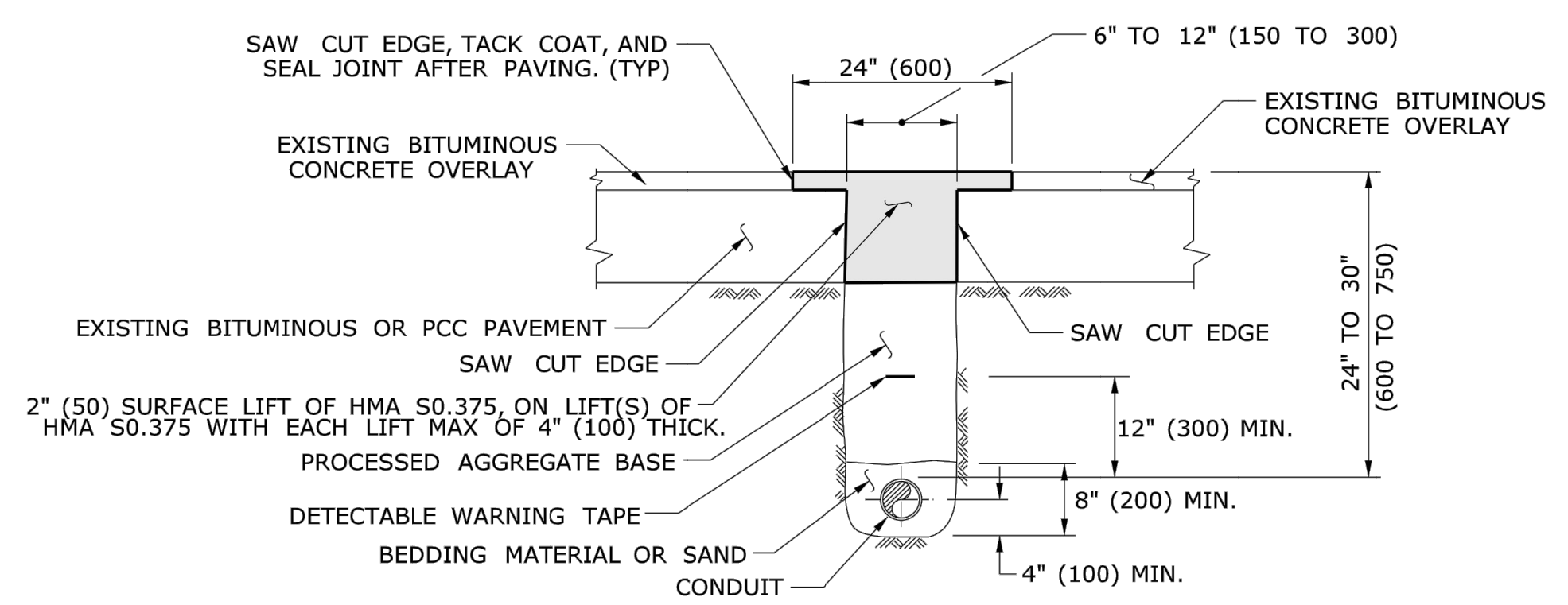


INTERCONNECT CONDUIT IDENTIFICATION POST

- NOTES:
1. 4" x 4" (100 x 100) NOMINAL, PRESSURE TREATED WOOD POST.
 2. ATTACH SIGN TO POST WITH 1/4" x 1/4" (6 x 31) STAINLESS STEEL LAG SCREW WITH NYLON WASHER ON FACE OF SIGN.
 3. SIGN COLORS: BACKGROUND - ORANGE (RETROREFLECTIVE) LEGEND - BLACK (OPAQUE).
 4. INSTALL POST APPROX 24" (600) FROM RMC IN VICINITY OF EACH PULL BOX.
 5. INSTALL POSTS BETWEEN PULL BOXES, APPROX 10' (3.0 m) OFF CURB. SPACE POSTS 1500'+ (460 m+) APART.
 6. PERMANENTLY ATTACH STAINLESS STEEL NUMBERS INDICATING DISTANCE TO TRENCH IN FEET (METERS) CONTAINING COMMUNICATION CABLE. ATTACH NUMBERS TO SIDE OF POST FACING CONDUIT. INCLUDE "M" SUFFIX IF METERS.

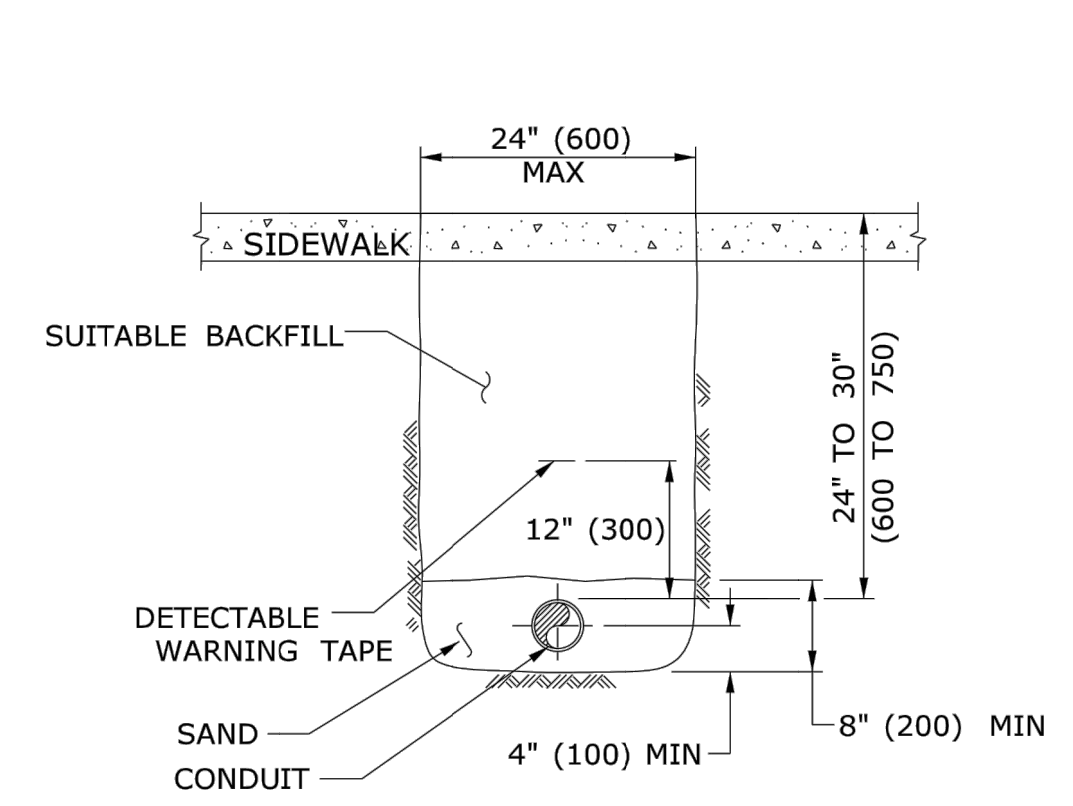
SIGN FACE DETAIL

SIGN # 41-4669



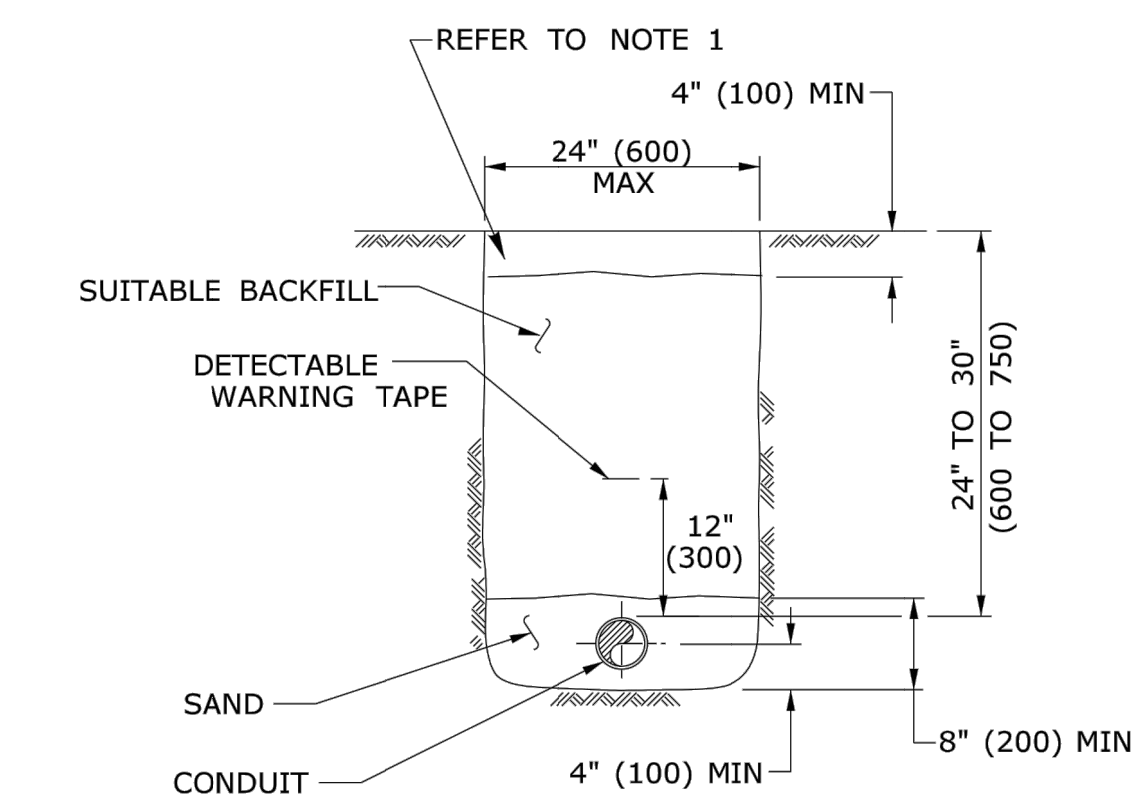
PAVEMENT - BITUMINOUS CONCRETE OR OVERLAYED PORTLAND CEMENT CONCRETE

- NOTES:
STANDARD SPECIFICATIONS, ARTICLE: 3.04 & 4.06.03
1. TOTAL HOT MIX ASPHALT (HMA) THICKNESS TO MATCH EXISTING BITUMINOUS CONCRETE AND PORTLAND CEMENT CONCRETE (PCC) THICKNESS.
 2. WHEN ALLOWED BY ENGINEER, USE CONTROLLED LOW STRENGTH MATERIAL (CLSM) AS BEDDING MATERIAL. TOP OF CLSM AT LEAST 20" (500) BELOW SURFACE.



SIDEWALK

- NOTES:
STANDARD SPECIFICATIONS, ARTICLE: 9.21 & 9.22
1. WHERE CONCRETE SIDEWALK DAMAGED OR CUT, REPLACE THE ENTIRE SECTION BETWEEN JOINTS. REPLACEMENT SIDEWALK IS PAID FOR AT THE CONTRACT UNIT PRICE FOR "CONCRETE SIDEWALK".



EARTH

- NOTES:
STANDARD SPECIFICATIONS, ARTICLE: 9.50
1. IN MOWED AREAS: PLACE TOPSOIL, FERTILIZER, SEED, & MULCH.

- GENERAL NOTES:
1. TOP OF CONDUIT NO LESS THAN 24" (600) DEEP.
 2. COMPACT BACKFILL IN ≤ 6" (150) LIFTS. HAND COMPACTION NOT PERMITTED.

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:
--- RMC (RIGID METAL CONDUIT)

REV.	DATE	REVISION DESCRIPTION
1	4-2012	REVISED BITUMINOUS CONCRETE TO HMA, & MINOR REVISIONS.

THE INFORMATION INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Submitted By: Tracy L. Fogarty
2012.05.01 12:54:42-04'00'

Approved By: Timothy M. Wilson
2012.05.09 10:23:34-04'00'

CTDOT
STANDARD SHEET
OFFICE OF ENGINEERING

TRENCHING & BACKFILLING,
ELECTRICAL CONDUIT

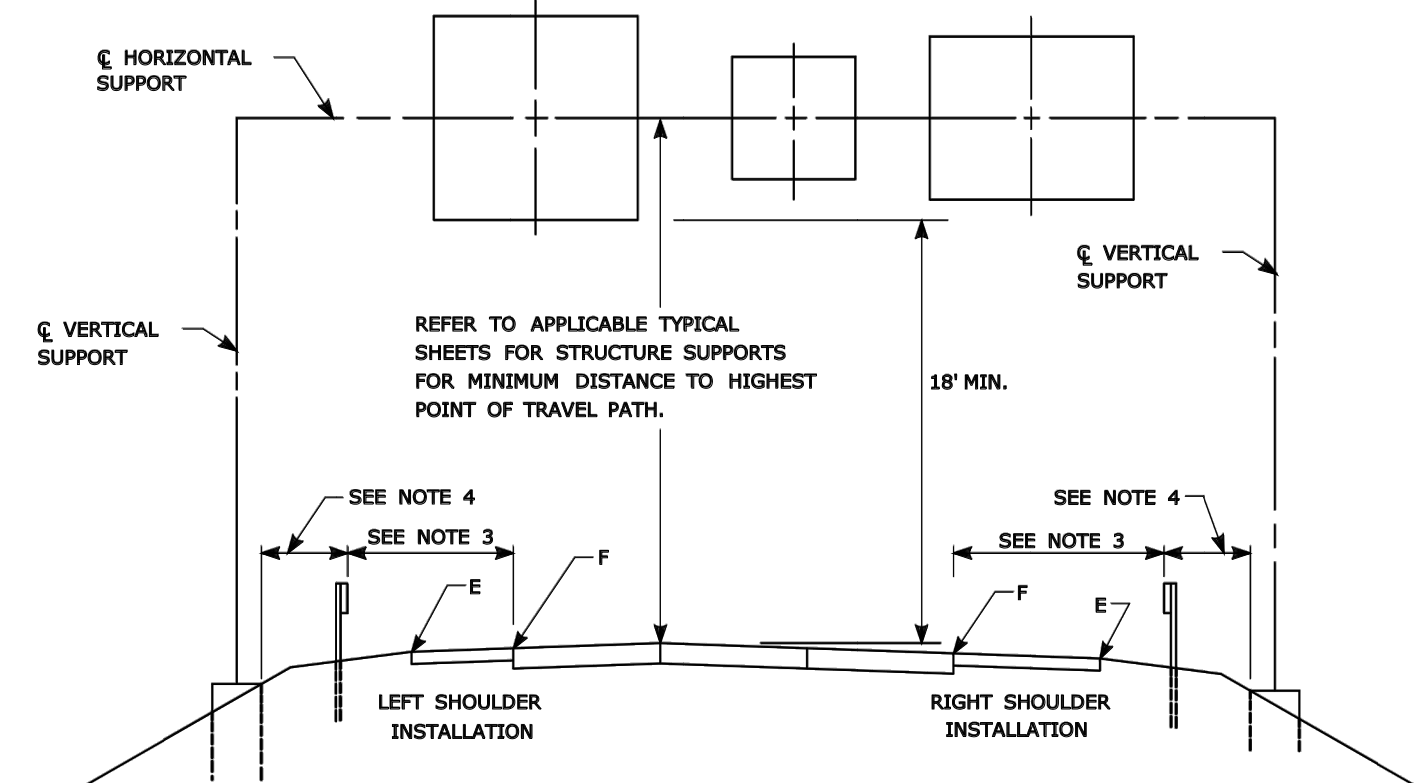
STANDARD SHEET NO.:
TR-1001_01

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5/10/2012	REVISIONS	REVISIONS
6/29/2012	REVISIONS	REVISIONS
6/29/2012	REVISIONS	REVISIONS
7/26/2012	REVISIONS	REVISIONS
8/24/2012	REVISIONS	REVISIONS
10/11/2012	REVISIONS	REVISIONS
11/15/2012	REVISIONS	REVISIONS
12/20/2012	REVISIONS	REVISIONS
1/27/2013	REVISIONS	REVISIONS
1/27/2013	REVISIONS	REVISIONS

Designed	R.M.D.
Drawn	R.M.D.
Reviewed	S.M.K.
Scale	NONE
Project No.	1901997
Date	07/07/2021
CAD File:	DN190199701

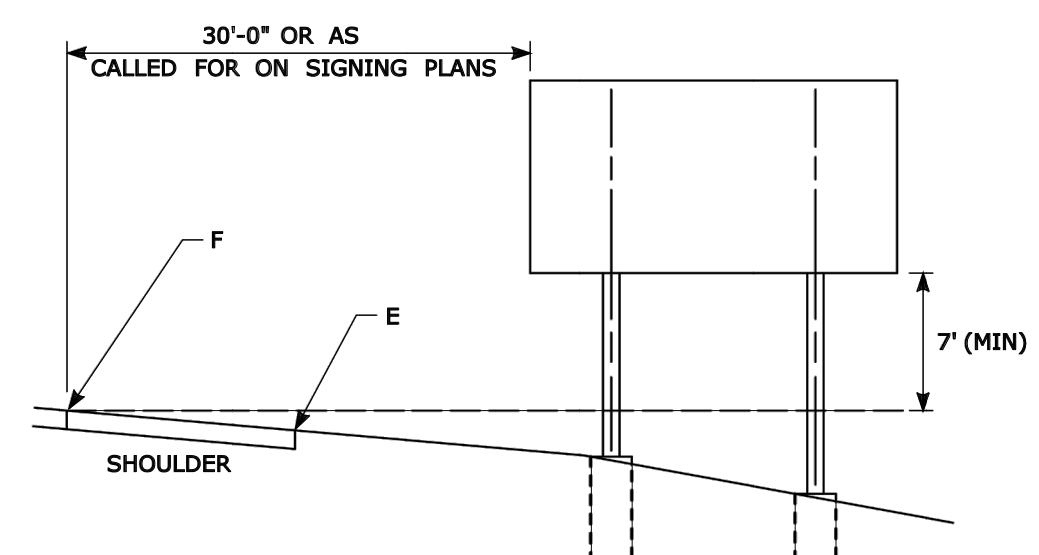
Title:
DETAILS SHEET - CT DOT STANDARDS

Sheet No.



TYPICAL PLACEMENT OF OVERHEAD SIGNS ON SIGN SUPPORTS

- NOTES:
- 1) FOR PLACEMENT OF CANTILEVER SIGN SUPPORT USE APPLICABLE PORTION OF ABOVE DETAIL.
 - 2) BARRIER SYSTEMS MAY BE REQUIRED FOR BOTH SIDES OF SUPPORTS IN MEDIANS.
 - 3) IMPACT PROTECTION SHALL BE PROVIDED FOR THE SIGN SUPPORTS LOCATED WITHIN CLEAR ZONE.
 - 4) SIGN SUPPORT FOUNDATIONS SHALL BE LOCATED OUTSIDE OF BARRIER SYSTEMS DEFLECTION AREA.
 - 5) ALL SIGNS ARE TO BE LEVEL, REGARDLESS OF CAMBER IN SUPPORT.

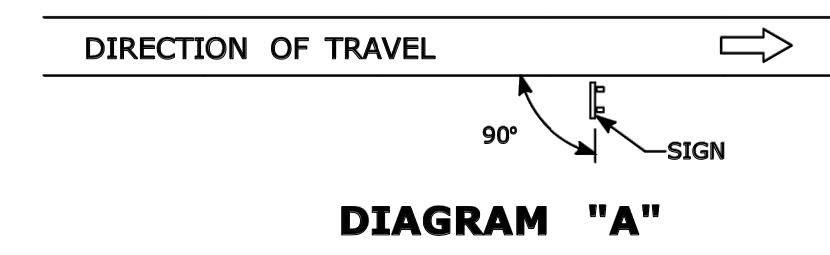


TYPICAL PLACEMENT OF SIDE MOUNTED SIGNS ON STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS

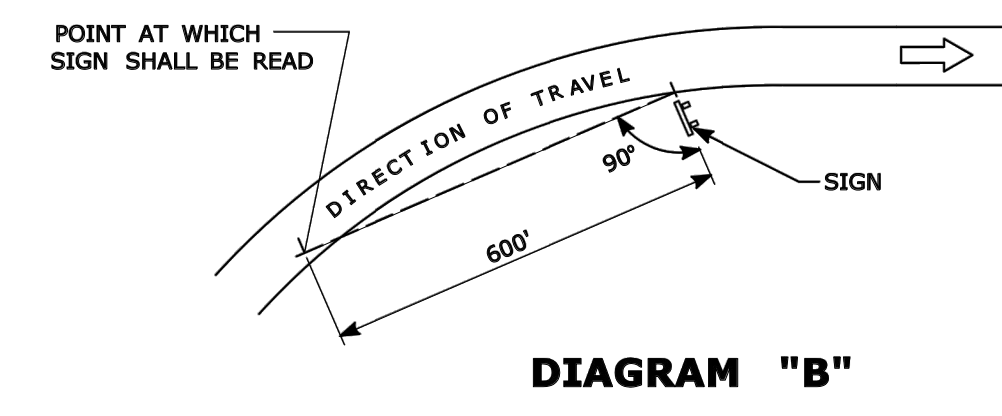
- NOTES:
- 1) MIN. VERTICAL CLEARANCE ABOVE SIDEWALKS SHALL BE 7'.
 - 2) WHERE GUIDE RAIL IS USED, THE OFFSET TO THE NEAR EDGE OF SIGN FACE SHALL BE AS SHOWN ELSEWHERE IN THE CONTRACT PLANS.
 - 3) ON INTERSECTING ROADS AT RAMP TERMINI, THE OFFSET TO THE NEAR EDGE OF SIGN FACE SHALL BE 6' MIN. FROM POINT "E".
 - 4) IF 30'-0" MIN. CANNOT BE MET, PLEASE CONTACT THE ENGINEER.

FOR MAXIMUM EFFECTIVENESS, POSITION SIDE MOUNTED SIGNS ON STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS AS FOLLOWS:

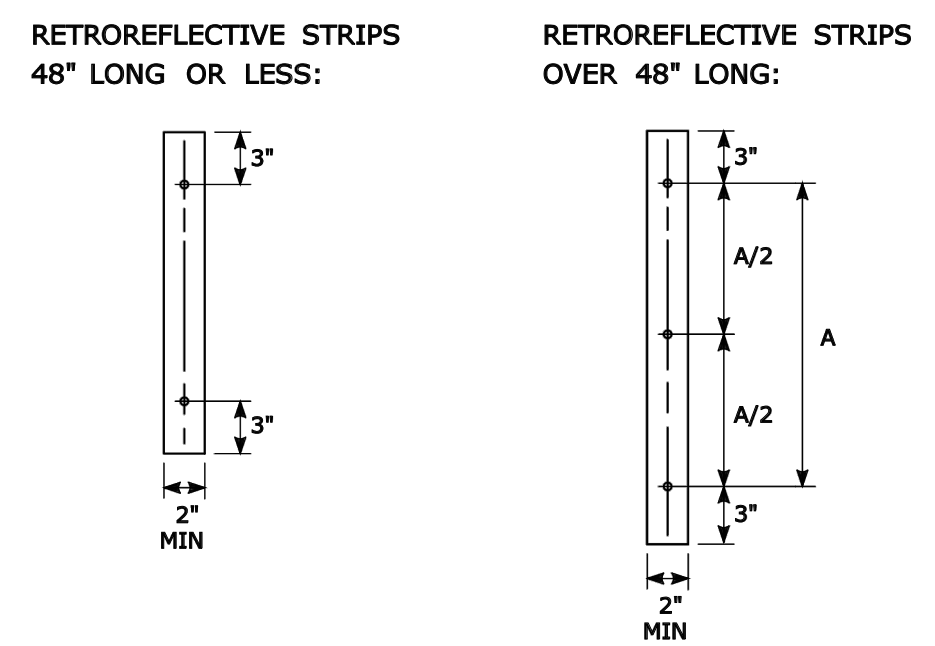
ON A TANGENT SECTION, POSITION THE SIGN SO THE VERTICAL AXIS IS PLUMB AND THE HORIZONTAL AXIS IS AT AN ANGLE OF 90° WITH THE TRAFFIC LANE WHICH THE SIGN SERVES. SIGNS LOCATED 30 FT OR MORE FROM THE EDGE OF THE ROAD SHALL BE TURNED APPROXIMATELY 3° TOWARD THE ROAD.



ON A HORIZONTAL CURVE SECTION, POSITION THE SIGN SO THE VERTICAL AXIS IS PLUMB AND THE HORIZONTAL AXIS IS AT AN ANGLE OF 90° WITH A STRAIGHT LINE BETWEEN THE SIGN AND THE POINT AT WHICH THE SIGN SHALL BE READ.



SIGN ORIENTATION DETAILS FOR SIDE MOUNTED SIGNS ON STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS



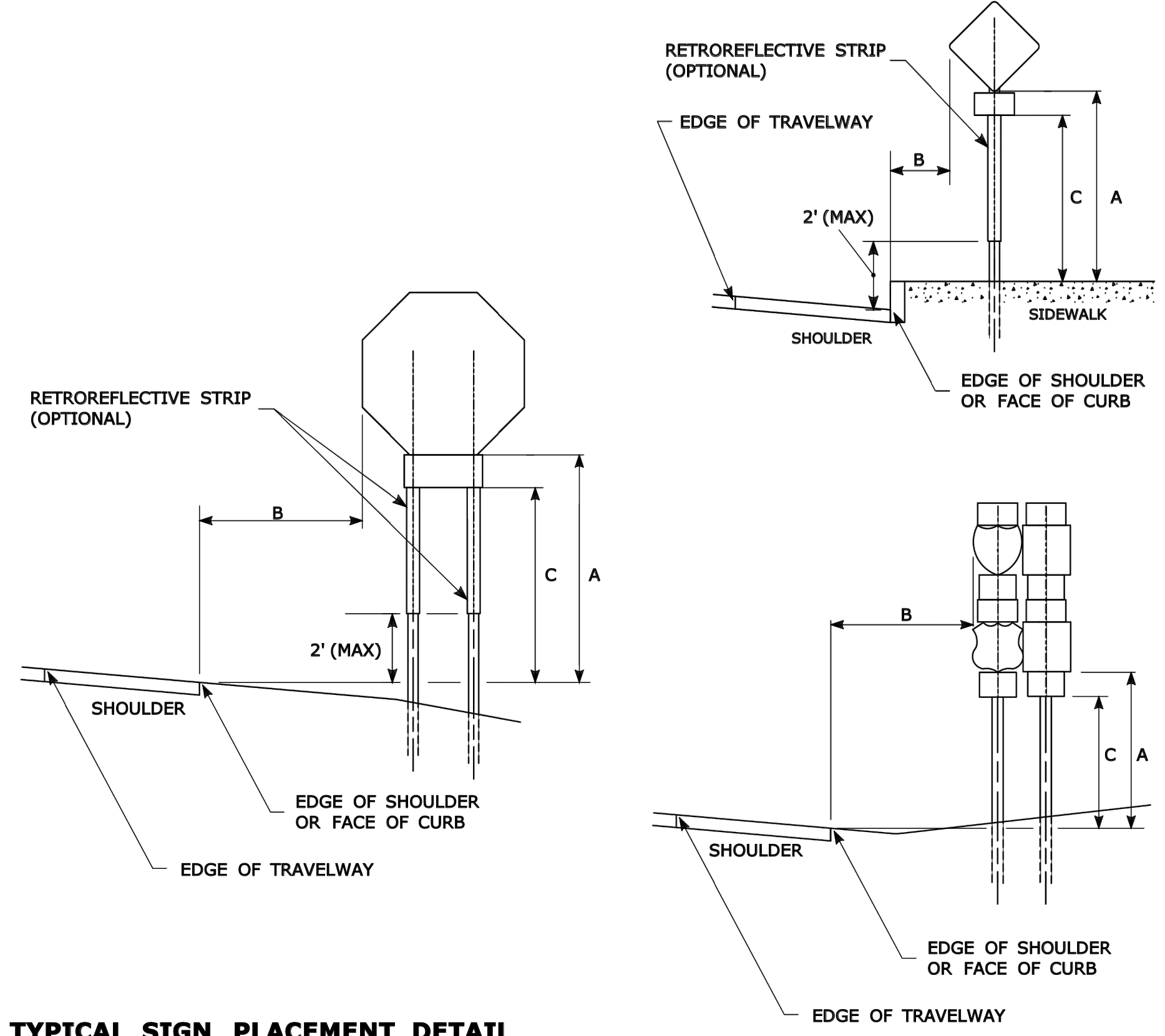
RETROREFLECTIVE STRIP DETAIL

NOTES:

RETROREFLECTIVE STRIPS WHICH ARE 48 IN LONG OR LESS SHALL BE ATTACHED USING 2 BOLTS AND RETROREFLECTIVE STRIPS OVER 48 IN LONG SHALL BE ATTACHED USING 3 BOLTS AS SHOWN ON THE DETAILS ABOVE.

REFER TO STANDARD SHEET No. TR-1208-02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS" FOR MOUNTING DETAILS.

RETROREFLECTIVE STRIP COLOR SHALL MATCH THE BACKGROUND COLOR OF THE SIGN, EXCEPT THAT THE COLOR OF THE STRIP FOR "YIELD" AND "DO NOT ENTER" SIGNS SHALL BE RED.



TYPICAL SIGN PLACEMENT DETAIL

NOTES:

ALL SIGNS AND SHIELDS ON DIRECTIONAL ASSEMBLIES SHALL ABUT VERTICALLY.

REFER TO STANDARD SHEET No. TR-1208-02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS" FOR SIGN POSTS AND SIGN MOUNTING.

IF A RETROREFLECTIVE STRIP IS USED ON SIGN SUPPORT, IT SHALL BE PLACED FOR THE FULL LENGTH OF THE SUPPORT FROM THE BOTTOM OF THE SIGN TO WITHIN 2 FT ABOVE THE EDGE OF THE ROADWAY.

PARKING SIGNS TYPICALLY USE 45° MOUNTING BRACKET.

DIM."A" MIN SIGN HEIGHT	DIM."B" MIN LATERAL OFFSET (1)	DIM."C" MIN PLAQUE HEIGHT (1)	ASSEMBLY LOCATION
7' (2)	6' 12' (3)	5'	SIGNS ON FREEWAYS AND EXPRESSWAYS EXCEPT CHEVRON ALIGNMENT SIGNS, ONE-DIRECTION LARGE ARROW SIGNS, DO NOT ENTER SIGNS, AND WRONG WAY SIGNS
5'	2'	4'	• SIGNS IN RURAL AREAS • DO NOT ENTER AND WRONG WAY SIGNS ALONG EXIT RAMPS • DO NOT ENTER AND WRONG WAY SIGNS ON LIMITED ACCESS HIGHWAYS
5'	2'	N/A	• CHEVRON ALIGNMENT SIGNS LOCATED ON FREEWAYS, EXPRESSWAYS, RAMPS, AND IN RURAL AREAS • ONE-DIRECTION LARGE ARROW SIGNS LOCATED ON FREEWAYS, EXPRESSWAYS, RAMPS, AND IN RURAL AREAS
4'	6' 12' (3)	N/A	INCIDENT MANAGEMENT SIGNS AND MILE POST MARKER ASSEMBLIES LOCATED ON FREEWAYS AND EXPRESSWAYS
4'	2'	4'	CENTRAL ISLANDS OF ROUNDABOUTS
7'	2' (4)	6'	BUSINESS & RESIDENTIAL AREAS WHERE PARKING OR OTHER OBSTRUCTIONS LIMIT VISIBILITY
7'	2' (4)	7'	SIDEWALKS (5)

- 1) OR AS DIRECTED BY THE ENGINEER
- 2) 8 FT MINIMUM HEIGHT REQUIRED IF A SUPPLEMENTAL PLAQUE IS SUBMOUNTED BELOW THE MAJOR SIGN.
- 3) 6 FT FROM EDGE OF SHOULDER, WHEN SHOULDER IS OVER 6 FT WIDE
12 FT FROM EDGE OF TRAVELWAY, WHEN SHOULDER IS LESS THAN 6 FT WIDE.
- 4) A LATERAL OFFSET OF AT LEAST 1 FT FROM THE FACE OF THE CURB MAY BE USED WHERE SIDEWALK WIDTH IS LIMITED OR WHERE EXISTING UTILITY POLES ARE CLOSE TO THE CURB.
- 5) A CLEAR PATH OF NOT LESS THAN 4 FT SHALL BE PROVIDED IN SIDEWALK AREAS.

REV.	DATE	REVISION DESCRIPTION
3	8-2018	INCLUDED INCIDENT MANAGEMENT AND MILE MARKER SIGNS.
2	4-2017	MINOR REVISIONS.
1	2-2011	MINOR REVISIONS.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 8/10/2018

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Submitted By: Mark F. Makuch, P.E.
2018.08.17
09:06:06-04'00'

Approved By: Mark F. Carlini, P.E.
2018.08.21 07:48:06-04'00'

Filename: TR_1208-01_1_2018.dgn Model: TR-1208-01

CTDOT
STANDARD SHEET
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:
SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS

STANDARD SHEET NO.:
TR-1208_01

4/26/2021
5/10/2021
5/10/2021
6/29/2021
6/29/2021
7/26/2021
8/24/2021
10/11/2021
11/22/2021
12/22/2021
1/27/2022

BULLETIN #1 - SHEET REVISIONS
BULLETIN #2 - SHEET REVISIONS
BULLETIN #3 - ADDRESS TOWN COMMENTS
BULLETIN #4 - PERMISSIVE COMMENTS
BULLETIN #5 - LANDSCAPE AND VARIANCE NOTE
BULLETIN #6 - RESPONSE TO CT DOT COMMENTS
BULLETIN #7 - TRAVEL TIME IMPROVEMENTS
BULLETIN #8 - TR-1208-01-15 REVISIONS TO CONNECTIONS
BULLETIN #9 - TR-1208-01-15 REVISIONS TO GRADING
BULLETIN #10 - TR-1208-01-15 TR-1208-01-15 REVISIONS TO PARKING SIGNS
BULLETIN #11 - TR-1208-01-15 STABILIZATION LAYOUT

Designed R.M.D.
Drawn R.M.D.
Reviewed S.M.K.
Scale NONE
Project No. 1901997
Date 07/07/2021
CAD File: DN190199701
Title
DETAILS SHEET - CT DOT STANDARDS
Sheet No.

4/26/2021 BULLETIN #1 - SHEET REVISIONS
5/10/2021 BULLETIN #2 - SIGN PANEL ATTACHMENT
5/10/2021 BULLETIN #3 - ADDRESS SIGN COMMENTS
6/22/2021 BULLETIN #4 - SIGN POST REVISIONS
6/22/2021 BULLETIN #5 - SIGN POST REVISIONS
6/22/2021 BULLETIN #6 - SIGN POST REVISIONS
6/22/2021 BULLETIN #7 - SIGN POST REVISIONS
6/22/2021 BULLETIN #8 - SIGN POST REVISIONS
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6/22/2021 BULLETIN #10 - SIGN POST REVISIONS
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6/22/2021 BULLETIN #18 - SIGN POST REVISIONS
6/22/2021 BULLETIN #19 - SIGN POST REVISIONS
6/22/2021 BULLETIN #20 - SIGN POST REVISIONS

Designed	R.M.D.
Drawn	R.M.D.
Reviewed	S.M.K.
Scale	NONE
Project No.	1901997
Date	07/07/2021
CAD File:	DN190199701

Title
DETAILS SHEET - CT DOT STANDARDS

Sheet No.

DN-11

TYPICAL METAL SIGN POSTS

SECTION A-A

3/4" TYP.

1 1/16"

1"

3/8" DIA. HOLES 1" O.C.

LENGTH AS REQUIRED

3"

TAPER

TYPICAL SIGN PANEL ATTACHMENT

WASHER 1 1/32" I.D. X 5/8" O.D. X 1/32" THICK

SELF LOCKING NUT WITH PLASTIC OR FIBER INSERT

NYLON WASHER 3/8" I.D. X 5/8" O.D. X 1/32" THICK

BACK-UP PLATE 1/8" THICK

1/16" BOLT HEX HEAD

SIGN PANEL

TYPICAL BACK TO BACK SIGN PANEL ATTACHMENT

WASHER 1 1/32" I.D. X 5/8" O.D. X 1/32" THICK

SELF LOCKING NUT WITH PLASTIC OR FIBER INSERT

NYLON WASHER 3/8" I.D. X 5/8" O.D. X 1/32" THICK

BACK-UP PLATE 1/8" THICK

1/16" BOLT HEX HEAD

SIGN PANEL

TYPICAL BACK-UP PLATE

2"

3/8" DIA. HOLE

3 1/2"

BOLTS - STAINLESS STEEL CONFORMING TO ASTM F593, ALLOY GROUP 1 OR 2 (ALLOY TYPES 304 OR 316).
SELF LOCKING NUTS - STAINLESS STEEL CONFORMING TO ASTM F594, ALLOY GROUP 1 OR 2 (ALLOY TYPES 304 OR 316).
WASHERS - STAINLESS STEEL CONFORMING TO ASTM A240, (ALLOY TYPES 304 OR 316).

METAL DELINEATOR POST

WT./FT. = 1.12 LBS./FT. MIN.

SECTION C-C

2" MIN.

1" MIN.

7/8" MIN.

6'-6" OR LENGTH AS REQUIRED

30 - 3/8" DIA. HOLES 1" O.C.

GROUND LINE

24" MIN EMBEDMENT

TAPER

3" (75)

GENERAL NOTES:

- STEEL FOR DELINEATOR POSTS SHALL BE ASTM A36 STEEL. STEEL FOR ALL OTHER POSTS SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A 499 GRADE 80 AND TO THE CHEMICAL REQUIREMENTS OF ASTM A1 CARBON STEEL TEE RAIL HAVING NOMINAL WEIGHT (MASS) OF 91 LBS. OR GREATER PER LINEAR YARD.
- AFTER FABRICATION, ALL STEEL POSTS, STRAPS AND PLATES SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A123.
- WASHERS FOR BREAKAWAY INSTALLATIONS SHALL MEET ASTM F436, TYPE 1.
- SPACER BAR FOR BREAKAWAY INSTALLATION SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A36.
- ALL BOLTS, NUTS, AND WASHERS FOR BREAKAWAY INSTALLATIONS SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A153.
- ALL SIGN POSTS SHALL HAVE BREAKAWAY FEATURES THAT MEET AASHTO REQUIREMENTS CONTAINED IN THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS." THE BREAKAWAY FEATURES SHALL BE STRUCTURALLY ADEQUATE TO CARRY THE SIGNS SHOWN IN THE PLANS AT 60 MPH WIND LOADINGS. INSTALLATIONS SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- SIGN POSTS SHALL BE 4 LBS./FT.

BREAKAWAY INSTALLATION FOR 4 LBS./FT. POSTS

SECTION F-F

DIRECTION OF TRAVEL

SIGN POST

4" MAX REVEAL

4"

GROUND LINE

38" MIN EMBEDMENT

42"

5/16" DIA. GRADE 9 CADMIUM PLATED HEX HEAD BOLT WITH FLAT WASHER, LOCK WASHER AND HEX NUT.

GALVANIZED STEEL BAR SPACER 5" LONG X 3/4" WIDE X 1/2" THK. OR ANOTHER BREAKAWAY SYSTEM THAT MEETS MASH OR NCHRP 350 CRASH TEST REQUIREMENTS FOR 4 LB/FT POSTS

TYPICAL SIGN POST INSTALLATION IN LEDGE

LEDGE SHALL BE REMOVED TO DRIVE THE BASE POST TO A DEPTH OF 38". HOLE SHALL BE FILLED WITH SUB-BASE MATERIAL AND COMPACTED WITH A TAMPING BAR, OR TECHNIQUE APPROVED BY THE ENGINEER, PRIOR TO BASE POST INSTALLATION.

4" MAX REVEAL

DIRECTION OF TRAVEL

BREAKAWAY SIGN POST

42"

VARIES

38" MIN EMBEDMENT

VARIES

GROUND LINE

SUB-BASE

COMPACTED SUB-BASE MATERIAL

LEDGE

4" MIN DIA

TYPICAL SLEEVE FOR PAVED AREAS

6" POLYVINYL CHLORIDE CONDUIT SCHEDULE 40 OR 80

G

G

BREAKAWAY SIGN POST

4" MAX REVEAL

DIRECTION OF TRAVEL

BITUMINOUS OR CONCRETE SIDEWALK

PVC

BASE POST

SUB-BASE

LIGHTLY COMPACTED FILL

45° MOUNTING BRACKET FOR INSTALLATION OF PARKING SIGNS

3 1/8"

3/8" DIA. HOLE

1"

6 1/4"

5"

5"

5/16" HEX HEAD BOLT

NYLON WASHER 1 1/32" I.D. X 5/8" O.D. X 1/32" THICK

RADIUS SHALL BE AS SMALL AS PRACTICAL

.080 THICK ALUMINUM

STAINLESS STEEL WASHER 1 1/32" I.D. X 1 1/16" O.D. X 1/16" THICK

SELF LOCKING NUT WITH PLASTIC OR FIBER INSERT.

SELF LOCKING NUT WITH PLASTIC OR FIBER INSERT.

STAINLESS STEEL WASHER 1 1/32" I.D. X 1 1/16" O.D. X 1/16" THICK

NYLON WASHER 1 1/32" I.D. X 5/8" O.D. X 1/32" THICK

SIGN PANEL

5/16" X 1" HEX HEAD BOLT

3/8" DIA. HOLE

1/4"

2 1/2"

5" TYP.

REV.	DATE	REVISION DESCRIPTION
2	6-2017	SIGN POST REVISIONS.
1	2-2011	MINOR REVISIONS.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 6/6/2017

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: TR-1208_02.May.2017.Revision.dgn Model: TR-1208_02

SUBMITTED BY: *Mark F. Makoush*

NAME/DATE/TIME: Mark F. Makoush, P.E. 2017.06.07 07:30:08-04'00'

APPROVED BY: *Mary E. Baker*

NAME/DATE/TIME: Mary E. Baker, P.E. 2017.06.13 15:28:14-04'00'

OFFICE OF ENGINEERING

STANDARD SHEET TITLE: **METAL SIGN POSTS AND SIGN MOUNTING DETAILS**

GUIDE SHEET NO.: TR-1208_02

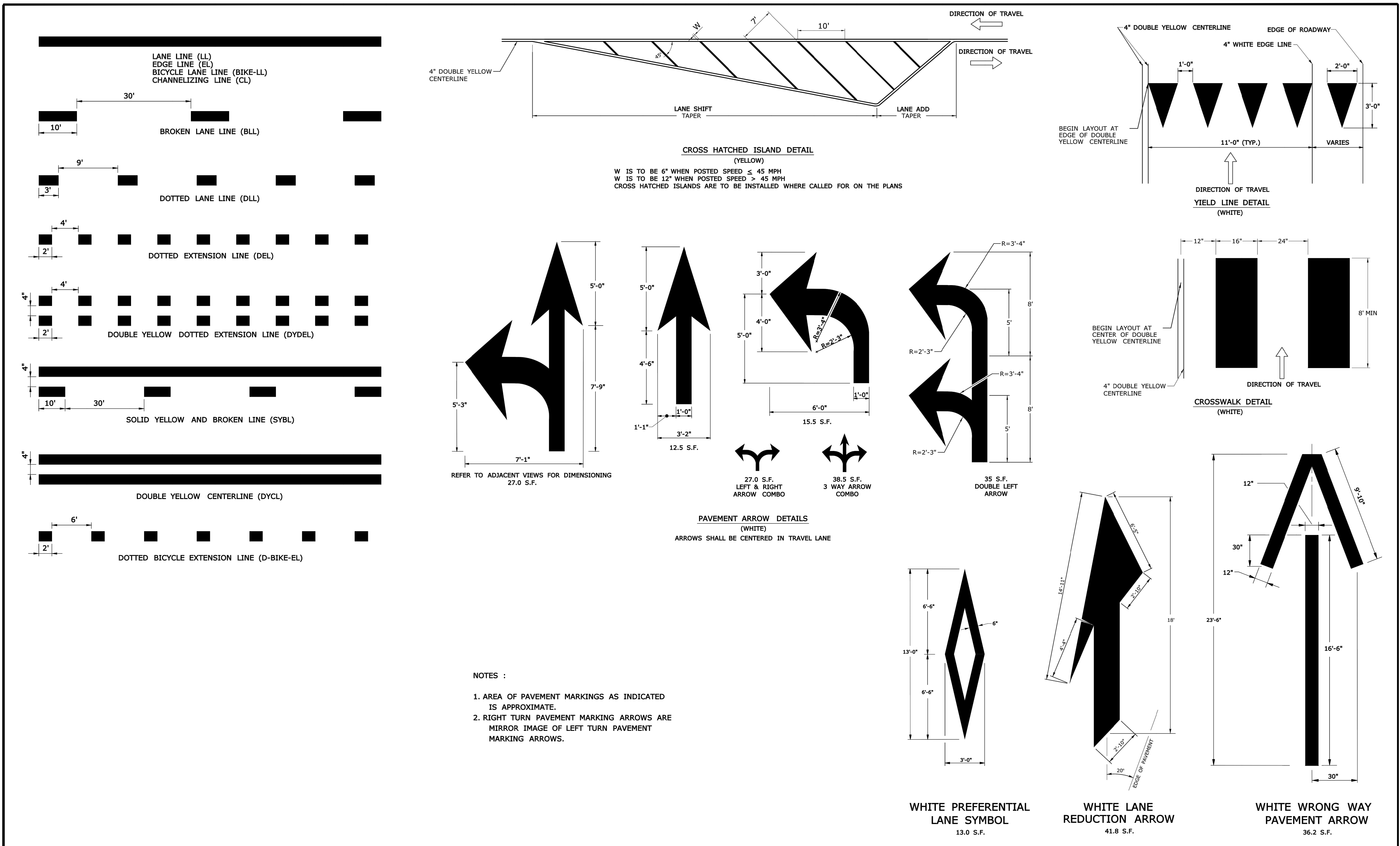
4/26/2021	REVISION 01 - SITE REVISIONS
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6/22/2021	REVISION 04 - PROFESSIONAL COMMENTS
6/22/2021	REVISION 05 - LANGUAGE AND VARIANCE NOTE
6/22/2021	REVISION 06 - RESPONSE TO CT DOT COMMENTS
7/26/2021	REVISION 07 - TOWN ENGINEER COMMENTS
8/24/2021	REVISION 08 - TOWN ENGINEER COMMENTS
10/1/2021	REVISION 09 - REVISIONS TO CONNECTIONS
10/1/2021	REVISION 10 - REVISIONS TO CONNECTIONS
11/22/2021	REVISION 11 - REVISIONS TO CONNECTIONS
12/22/2021	REVISION 12 - REVISIONS TO CONNECTIONS
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1/27/2022	REVISION 14 - REVISIONS TO CONNECTIONS
1/27/2022	REVISION 15 - REVISIONS TO CONNECTIONS
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1/27/2022	REVISION 19 - REVISIONS TO CONNECTIONS
1/27/2022	REVISION 20 - REVISIONS TO CONNECTIONS
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1/27/2022	REVISION 22 - REVISIONS TO CONNECTIONS
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1/27/2022	REVISION 28 - REVISIONS TO CONNECTIONS
1/27/2022	REVISION 29 - REVISIONS TO CONNECTIONS
1/27/2022	REVISION 30 - REVISIONS TO CONNECTIONS

Designed R.M.D.
Drawn R.M.D.
Reviewed S.M.K.
Scale NONE
Project No. 1901997
Date 07/07/2021
CAD File: DN190199701

Title
DETAILS SHEET - CT DOT STANDARDS

Sheet No.

DN-12



- NOTES :**
1. AREA OF PAVEMENT MARKINGS AS INDICATED IS APPROXIMATE.
 2. RIGHT TURN PAVEMENT MARKING ARROWS ARE MIRROR IMAGE OF LEFT TURN PAVEMENT MARKING ARROWS.

<table border="1"> <tr><th>REV.</th><th>DATE</th><th>REVISION DESCRIPTION</th></tr> <tr><td>1</td><td>8-2018</td><td>REMOVED ROUNDABOUT MARKINGS.</td></tr> </table>	REV.	DATE	REVISION DESCRIPTION	1	8-2018	REMOVED ROUNDABOUT MARKINGS.	<p>THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.</p> <p>Plotted Date: 8/10/2018</p>	<p>NOT TO SCALE</p>	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p> <p>Filename: TR-1210_04.dgn Model: CT_Civil_2D_Sheet</p>	<p>SUBMITTED BY: <i>Mark Makuch</i> NAME/DATE/TIME: Mark F. Makuch, P.E. 2018.08.17 09:07:44-04'00'</p> <p>APPROVED BY: <i>Mark Carino</i> NAME/DATE/TIME: Mark F. Carino, P.E. 2018.08.21 07:48:45-04'00'</p>	<p>CTDOT STANDARD SHEET OFFICE OF ENGINEERING</p>	<p>STANDARD SHEET TITLE: PAVEMENT MARKING LINES AND SYMBOLS</p>	<p>STANDARD SHEET NO.: TR-1210_04</p>
REV.	DATE	REVISION DESCRIPTION											
1	8-2018	REMOVED ROUNDABOUT MARKINGS.											

4/26/2021
5/10/2021
5/10/2021
6/24/2021
7/26/2021
8/24/2021
1/11/2022
1/11/2022
1/22/2022
1/22/2022
1/27/2022

REVISIONS
1. SHEET REVISIONS
2. ADDRESS TOWN COMMENTS
3. ADDRESS TOWN COMMENTS
4. ADDRESS TOWN COMMENTS
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20. ADDRESS TOWN COMMENTS

Designed	R.M.D.
Drawn	R.M.D.
Reviewed	S.M.K.
Scale	NONE
Project No.	1901997
Date	07/07/2021
CAD File	DN190199701

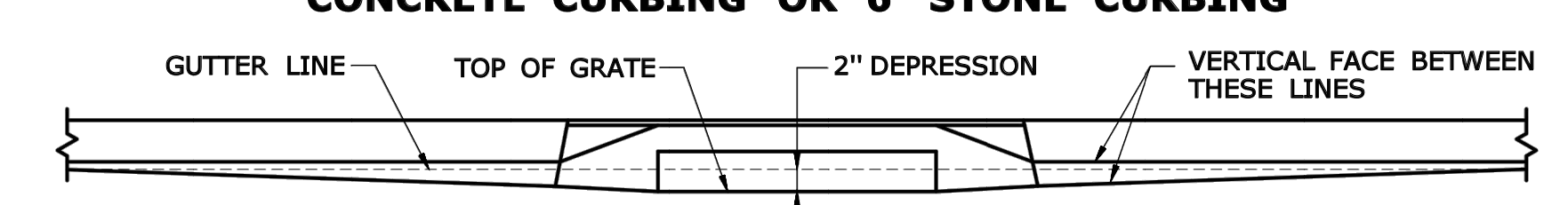
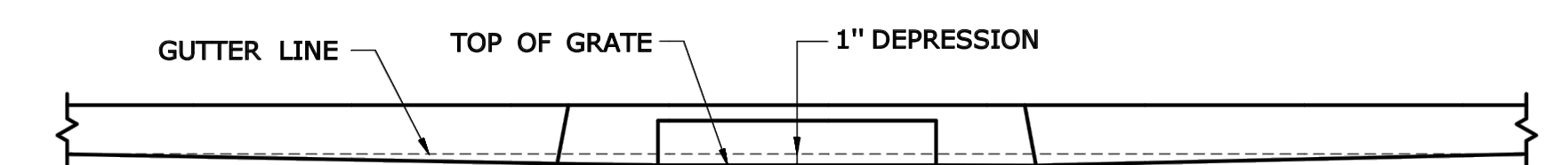
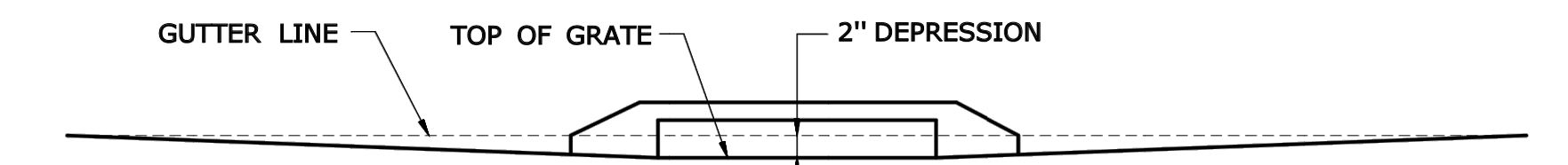
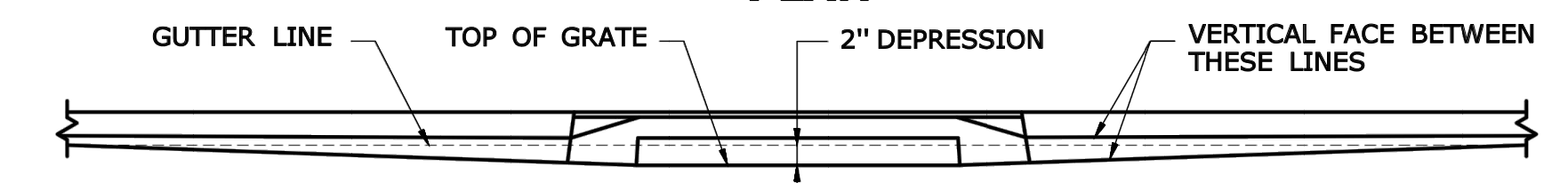
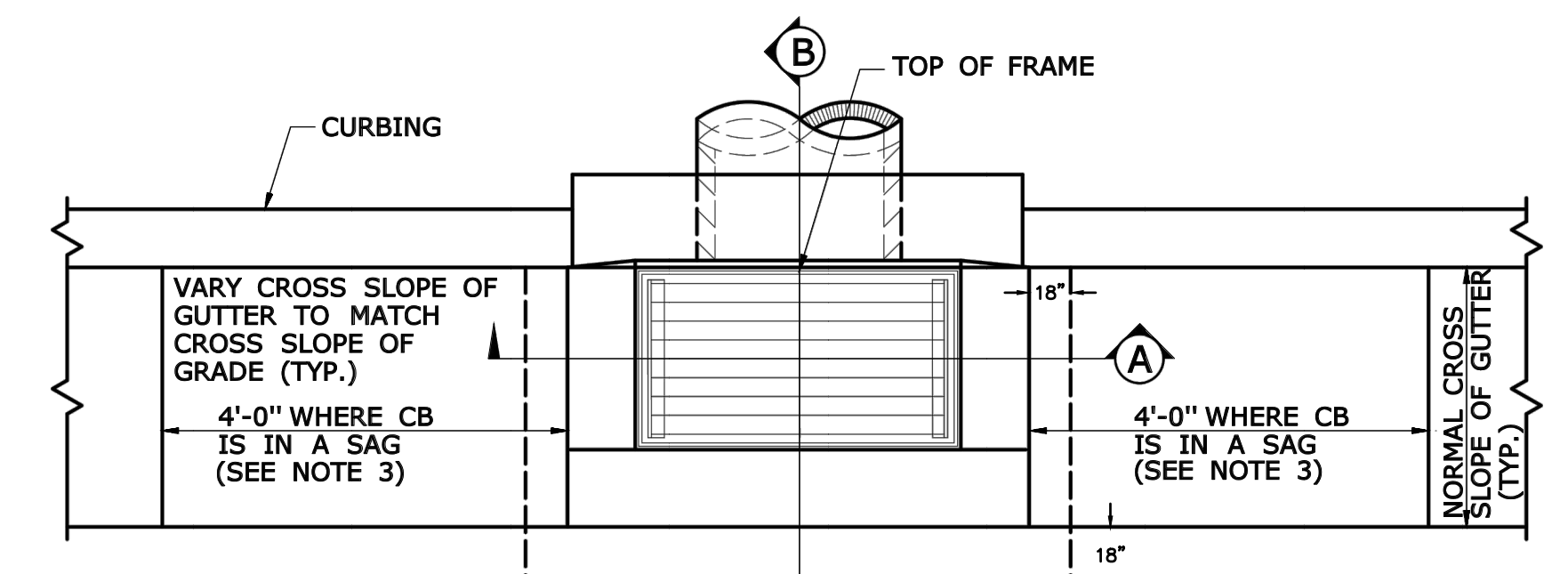
Title
DETAILS SHEET - CT DOT STANDARDS

Sheet No.

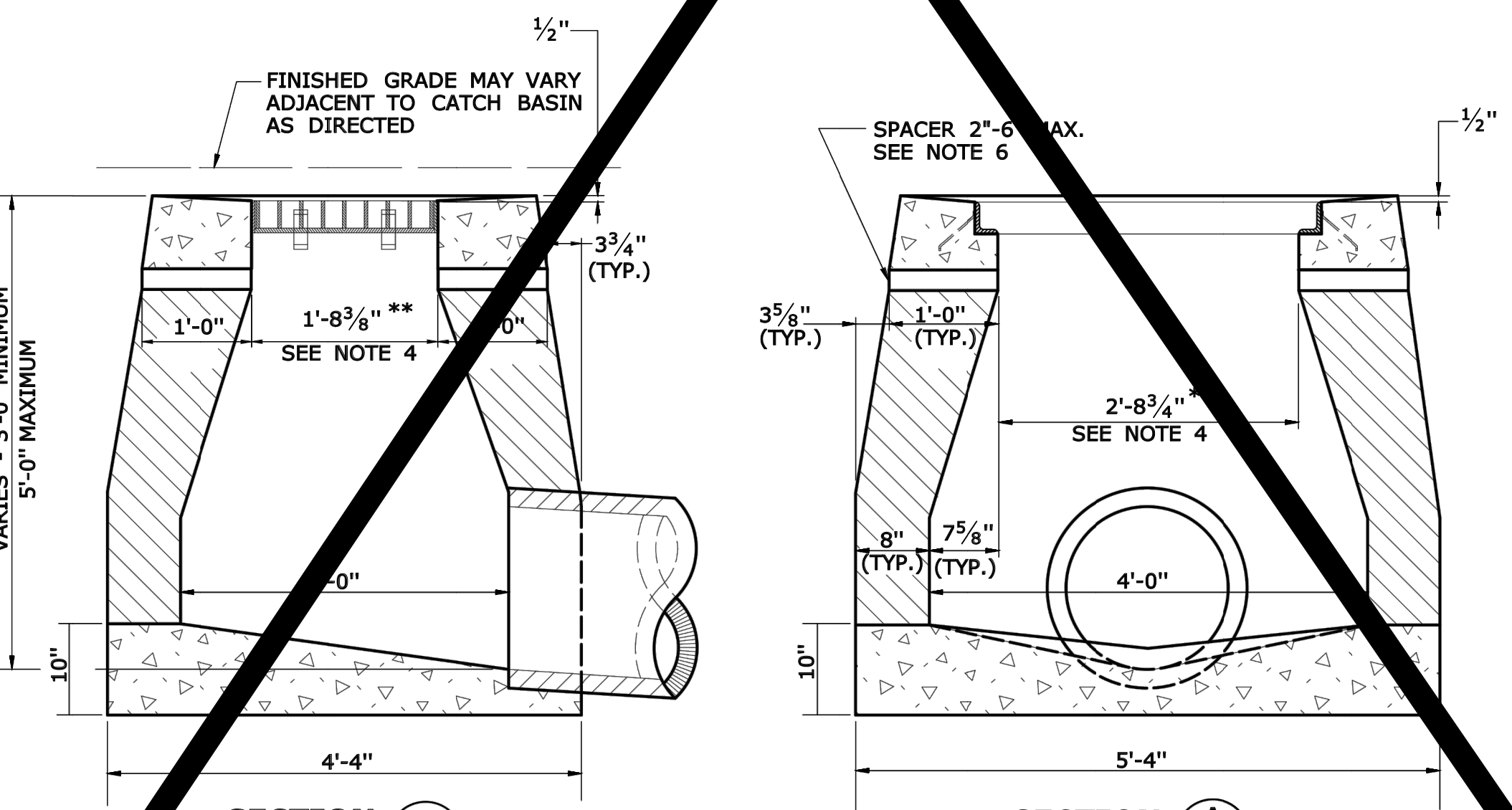
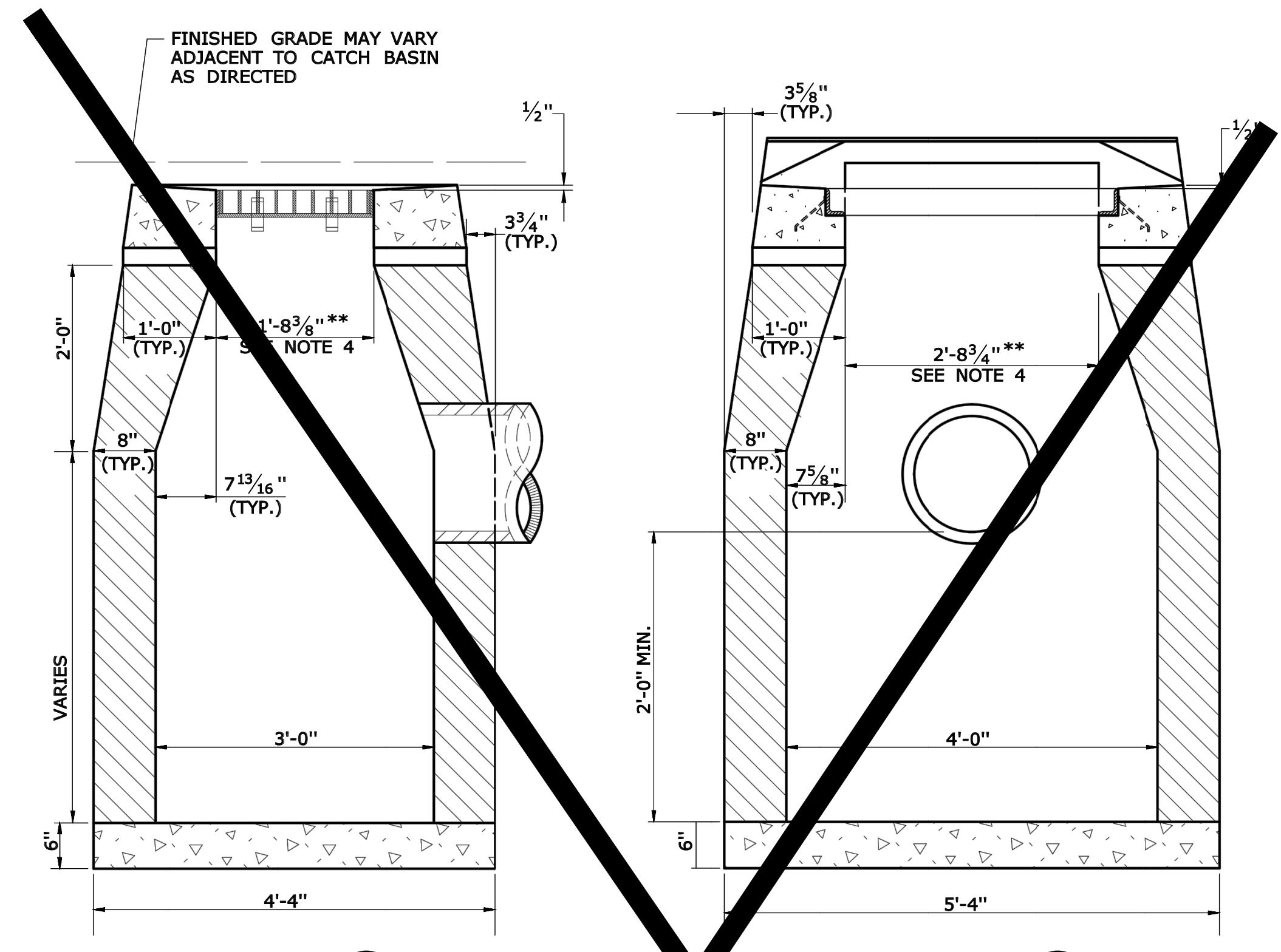
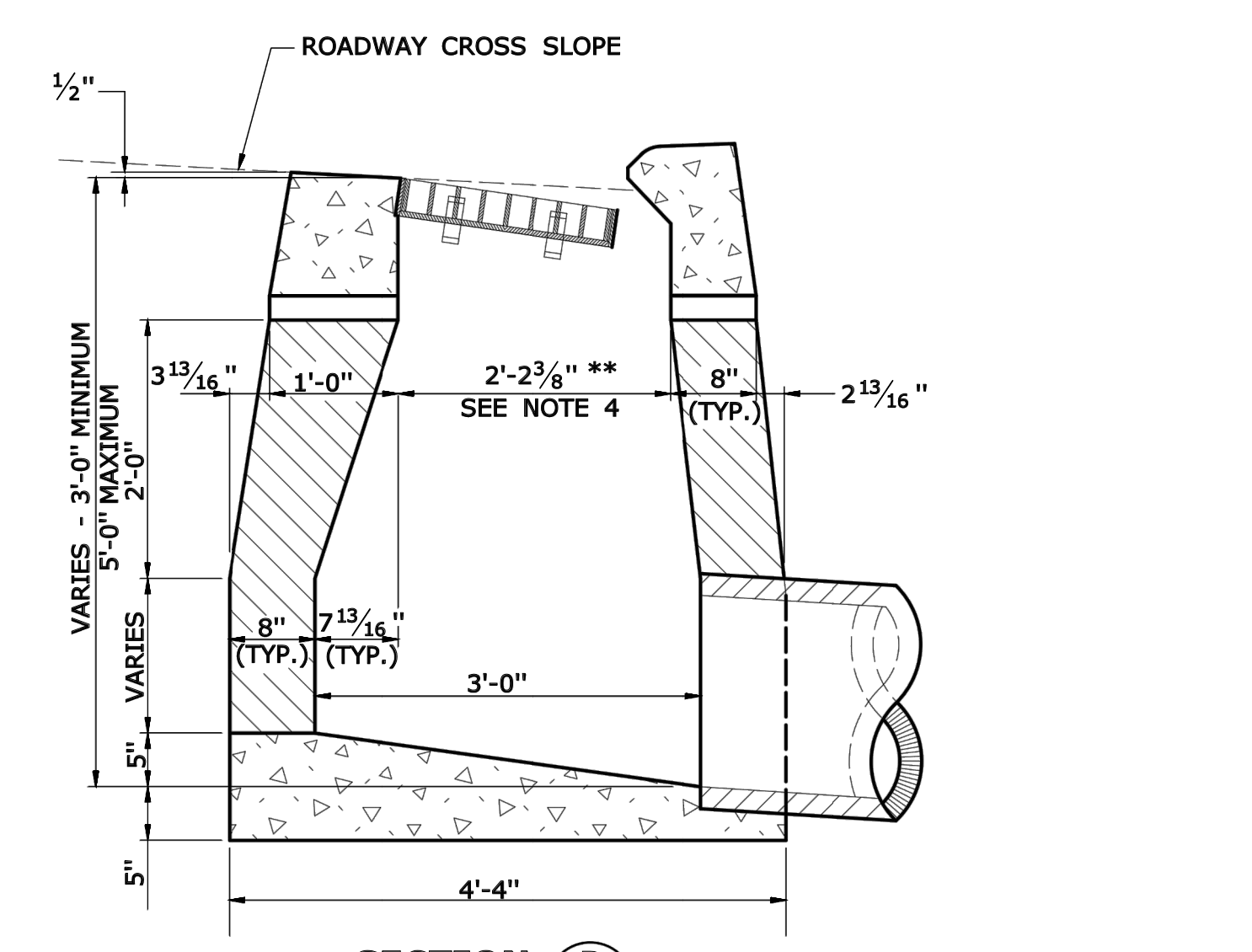
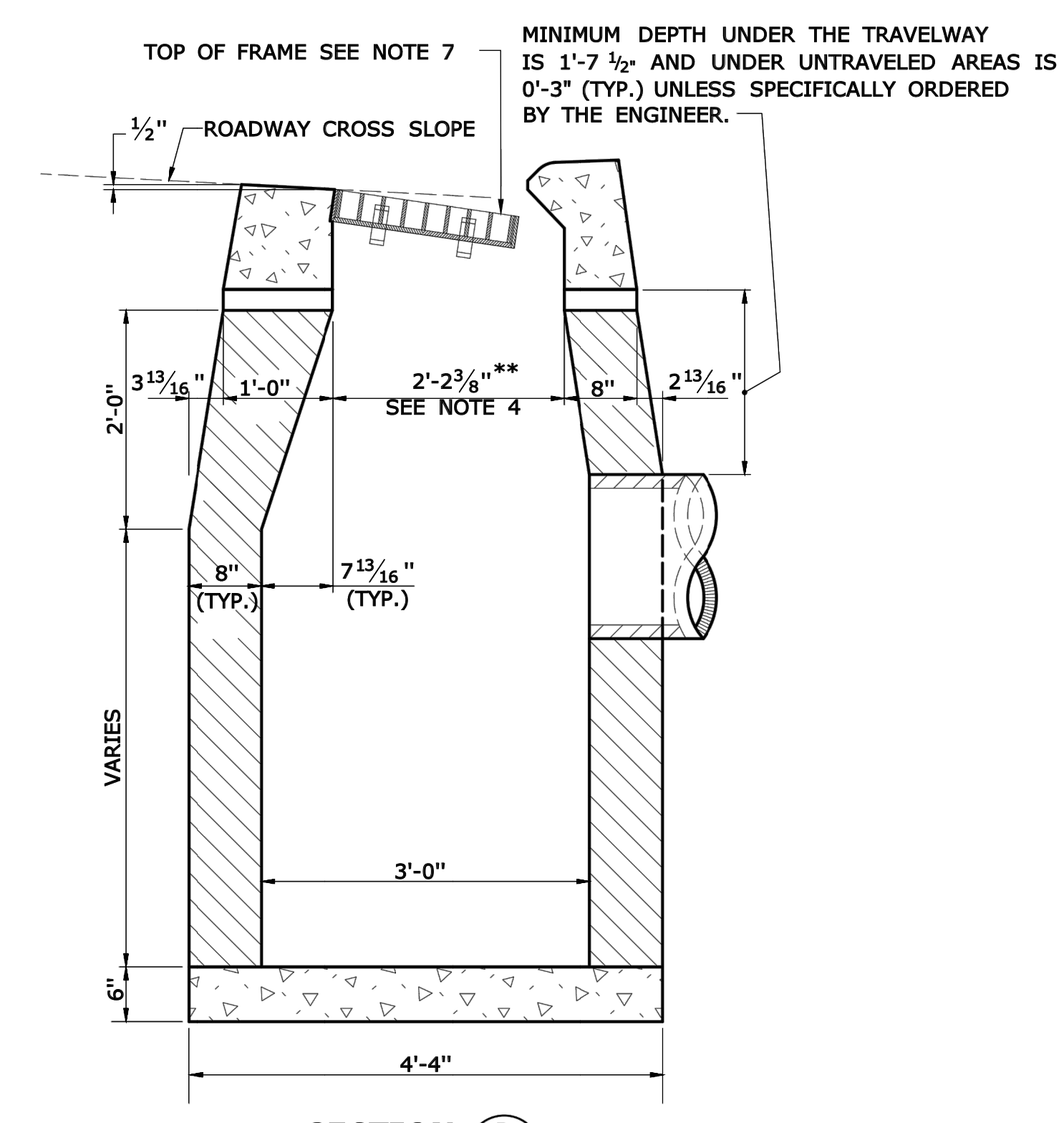
DN-13



- GENERAL NOTES:**
1. FOR CATCH BASIN TOPS, SEE SHEET NO. HW-586-07.
 2. ALL FACES OF STRUCTURES IN CONTACT WITH CONCRETE PAVEMENT SHALL BE COVERED WITH A LAYER OF TAR PAPER OR APPROVED EQUAL.
 3. USE 6'-0" ON UPGRADE SIDE (SEE PLAN VIEW) OF CONTINUOUS GRADE AND 1'-0" ON DOWNGRADE SIDE OF CONTINUOUS GRADE OR AS DIRECTED BY THE ENGINEER.
 4. IF MASONRY UNITS ARE REQUIRED, THE BASIN SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE DIMENSIONS SHOWN. CORBELLING SHALL BE PERMITTED TO A MAXIMUM OF 3". NO PROJECTION SHALL EXTEND INSIDE THE LIMITS FOR THE CATCH BASIN OPENINGS SHOWN IN THE SECTION VIEWS **.
 5. WALL THICKNESS OF ALL CATCH BASINS OVER 10' DEEP SHALL BE INCREASED TO 12" THICK. INSIDE DIMENSION SHALL REMAIN THE SAME. 12" THICKNESS SHALL START AFTER THE FIRST 10'.
 6. SPACERS CAN BE EITHER CONCRETE MASONRY UNIT OR PRECAST WITH THE REQUIRED REINFORCING (RECOMMENDED BY THE MANUFACTURER) AS NEEDED TO PROVIDE THE PROPER GRADE SHOWN ON THE PLANS.
 7. TOP OF FRAME ELEVATION SHALL BE MEASURED IN THE CENTER OF GRATE AT GUTTER LINE.



DETAILS OF DEPRESSED GUTTER STRIP FOR TYPE "C" CATCH BASIN



NOT TO SCALE

SIGNATURE BLOCK:
OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:
Leo Fontaine, P.E.
2020.07.08
09:22:22-04'00"

APPROVED BY:
James Fallon, P.E.



CTDOT
STANDARD SHEET

STANDARD SHEET TITLE:
CATCH BASIN AND DROP INLET TYPES "C" AND "C-L"

STANDARD SHEET NO.:
HW-586-01

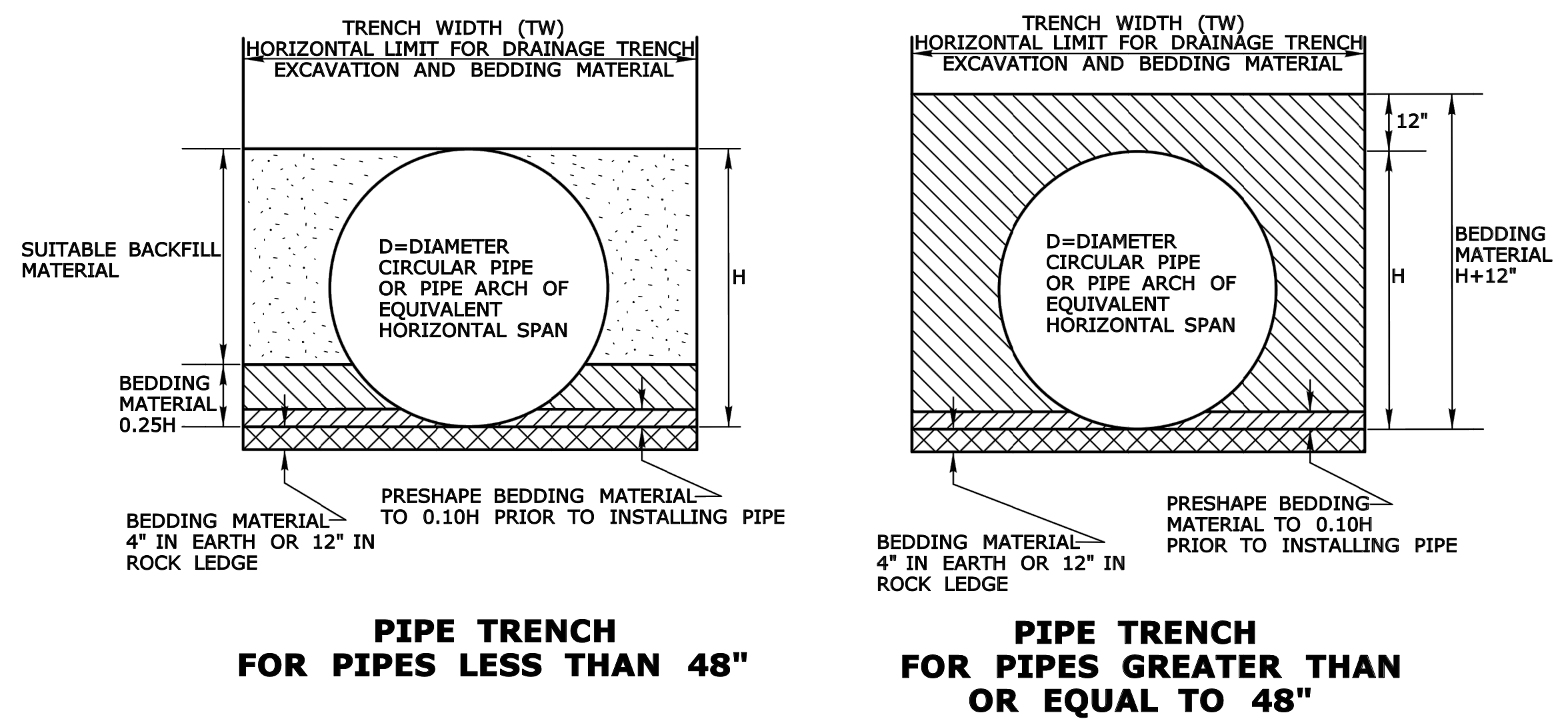
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- 5/10/2021 BULLETIN #2 - COMMENTS
- 5/10/2021 BULLETIN #3 - ADDRESS TOWN COMMENTS
- 6/22/2021 BULLETIN #4 - RESPONSE TO COMMENTS
- 6/22/2021 BULLETIN #5 - LANDSCAPE AND VARIANCE NOTE
- 7/26/2021 BULLETIN #6 - RESPONSE TO CT DOT COMMENTS
- 8/24/2021 BULLETIN #7 - TENDRIT SITE IMPROVEMENTS
- 10/11/2021 BULLETIN #8 - REVIEW WATER USE CONNECTIONS
- 11/15/2021 BULLETIN #9 - REVIEW WATER USE CONNECTIONS
- 12/22/2021 BULLETIN #10 - REVIEW COMMENTS TO GRADING
- 1/27/2022 BULLETIN #11 - TENDRIT AS PAVING SCHE
- 1/27/2022 BULLETIN #12 - STAFF/CLIENT REVISIONS

Designed R.M.D.
Drawn R.M.D.
Reviewed S.M.K.
Scale NONE
Project No. 1901997
Date 07/07/2021
CAD File: DN190199701

Title
DETAILS SHEET - CT DOT STANDARDS

Sheet No.

DN-14



PIPE TRENCH FOR PIPES LESS THAN 48"

PIPE TRENCH FOR PIPES GREATER THAN OR EQUAL TO 48"

TRENCH WIDTH (TW) CHART

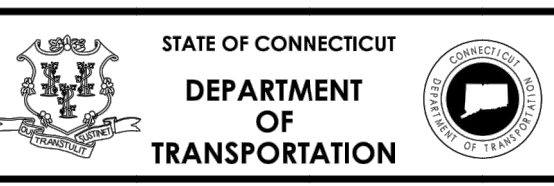
PIPE, PIPE-ARCH, OR DRAINAGE STRUCTURE	TRENCH WIDTH
PIPE OR PIPE-ARCH WITH NOMINAL INSIDE HORIZONTAL SPAN LESS THAN 30"	2' GREATER THAN NOMINAL INSIDE HORIZONTAL SPAN
PIPE OR PIPE-ARCH WITH NOMINAL INSIDE HORIZONTAL SPAN GREATER THAN OR EQUAL TO 30"	3' GREATER THAN NOMINAL INSIDE HORIZONTAL SPAN
PIPE OR PIPE-ARCH FABRICATED FROM STRUCTURAL PLATES	4' GREATER THAN NOMINAL INSIDE HORIZONTAL SPAN
DRAINAGE STRUCTURES	2' BEYOND ALL EXTERIOR OR FOUNDATION WALLS

NOT TO SCALE
###

SIGNATURE BLOCK:
OFFICE OF ENGINEERING
2800 MERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:
Leo Fontaine, P.E.
2020.07.08
09:20:49-04'00'

APPROVED BY:
James Fallon, P.E.



CTDOT
STANDARD SHEET

STANDARD SHEET TITLE:
DRAINAGE TRENCH EXCAVATION

STANDARD SHEET NO.:
HW-286_01

4/26/2021

4/26/2021	REVISION #1 - SITE REVISIONS
5/10/2021	REVISION #2 - ADDRESS TOWN COMMENTS
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6/24/2021	REVISION #4 - ADDRESS TOWN COMMENTS
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6/24/2021	REVISION #20 - ADDRESS TOWN COMMENTS

Designed	R.M.D.
Drawn	R.M.D.
Reviewed	S.M.K.
Scale	NONE
Project No.	1901997
Date	07/07/2021
CAD File:	DN190199701

Title
DETAILS SHEET - CDS STANDARD DETAIL

Sheet No.

DN-15

CDS2015-4-C DESIGN NOTES

CDS2015-4-C RATED TREATMENT CAPACITY IS 1.4 CFS, OR PER LOCAL REGULATIONS. MAXIMUM HYDRAULIC INTERNAL BYPASS CAPACITY IS 10.0 CFS. IF THE SITE CONDITIONS EXCEED 10.0 CFS, AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.

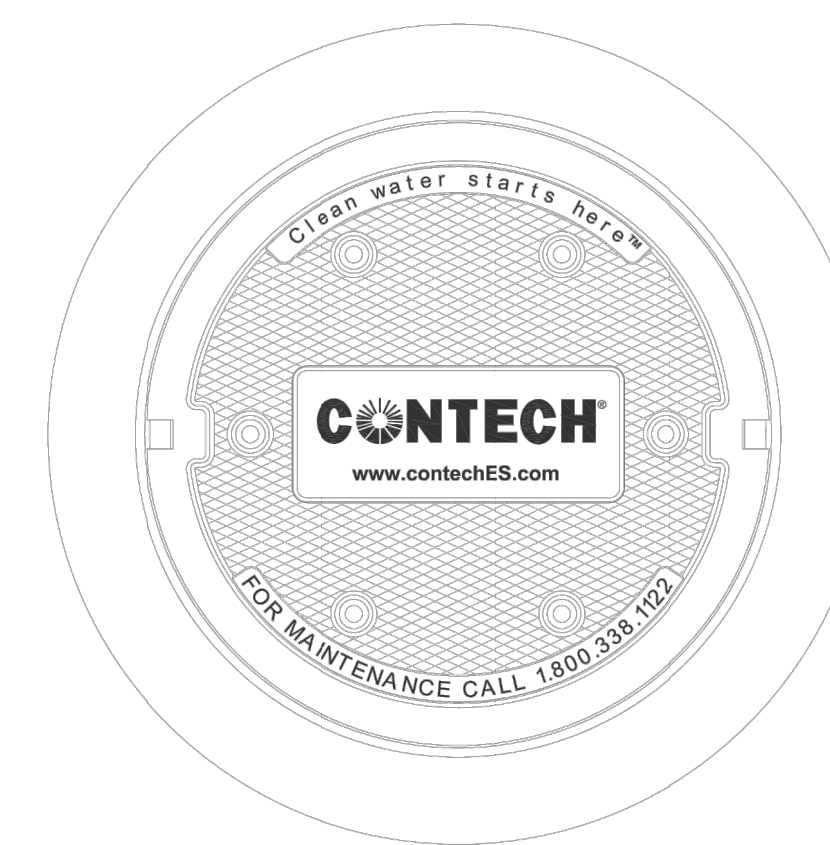
THE STANDARD CDS2015-4-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

CONFIGURATION DESCRIPTION

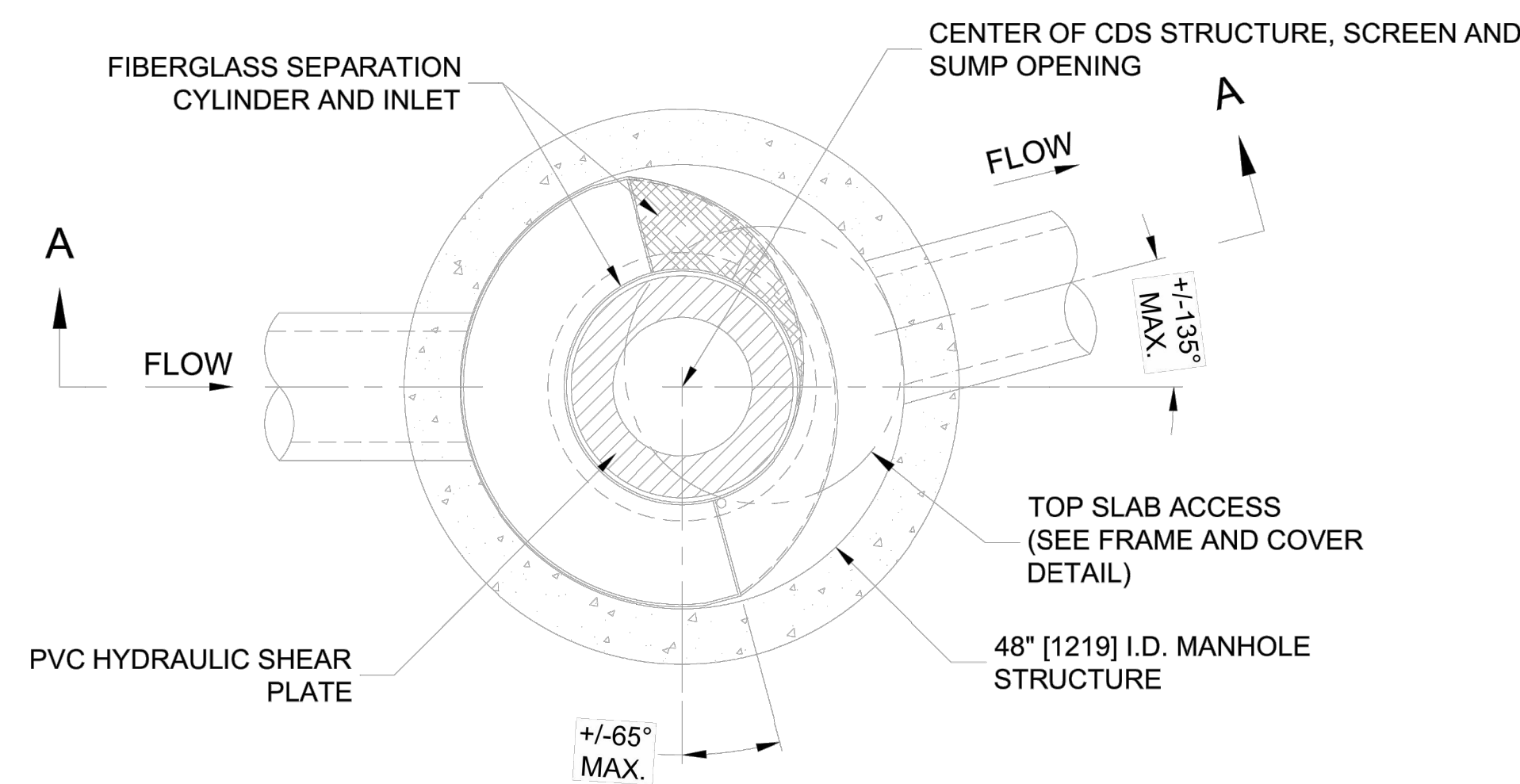
- GRATED INLET ONLY (NO INLET PIPE)
- GRATED INLET WITH INLET PIPE OR PIPES
- CURB INLET ONLY (NO INLET PIPE)
- CURB INLET WITH INLET PIPE OR PIPES

SITE SPECIFIC DATA REQUIREMENTS

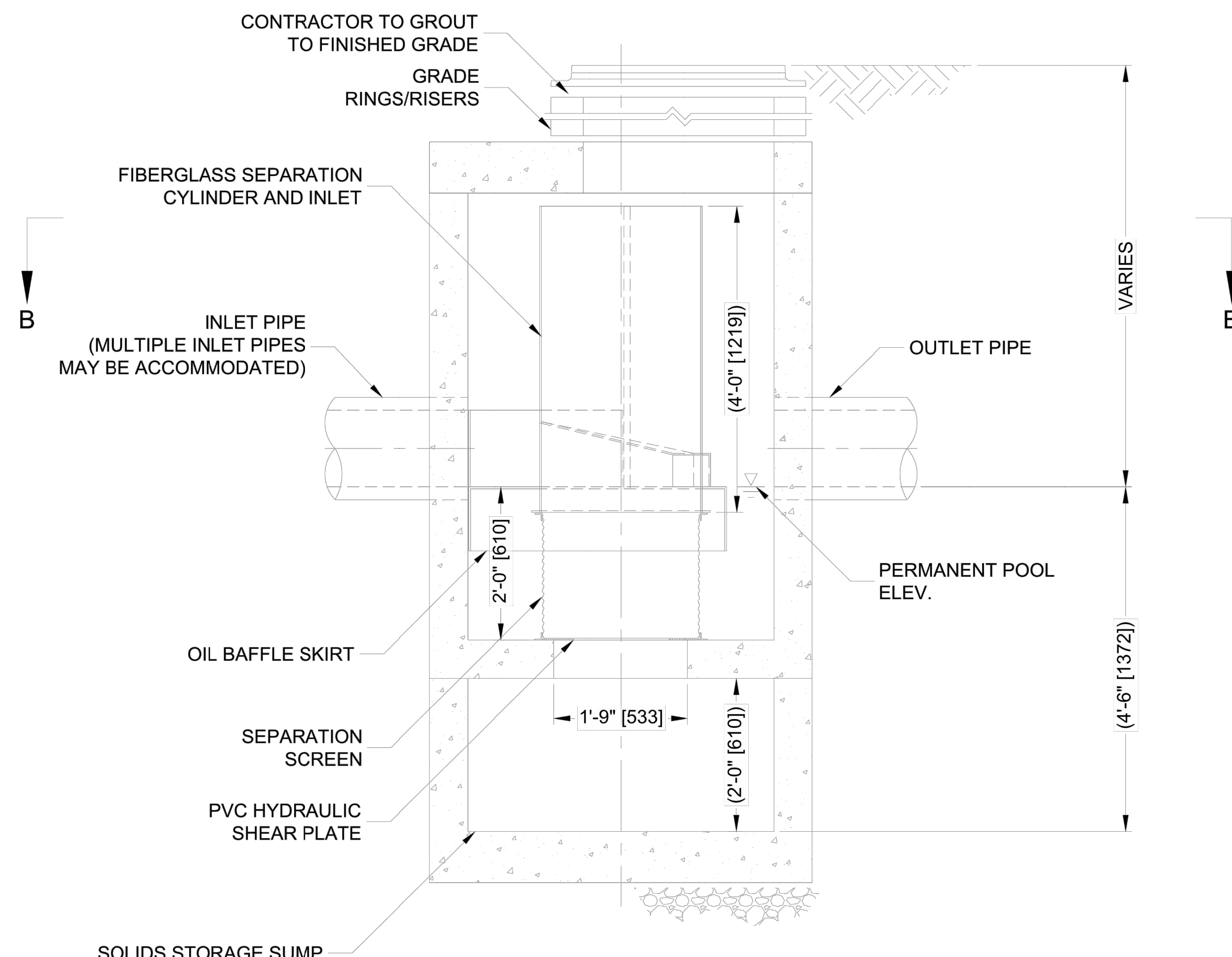
STRUCTURE ID			
WATER QUALITY FLOW RATE (CFS OR L/s)	*		
PEAK FLOW RATE (CFS OR L/s)	*		
RETURN PERIOD OF PEAK FLOW (YRS)	*		
SCREEN APERTURE (2400 OR 4700)	*		
PIPE DATA:	I.E.	MATERIAL	DIAMETER
INLET PIPE 1	*	*	*
INLET PIPE 2	*	*	*
OUTLET PIPE	*	*	*
RIM ELEVATION			*
ANTI-FLOTATION BALLAST	WIDTH	HEIGHT	
	*	*	
NOTES/SPECIAL REQUIREMENTS:			
* PER ENGINEER OF RECORD			



FRAME AND COVER
(DIAMETER VARIES)
N.T.S.



PLAN VIEW B-B
N.T.S.



ELEVATION A-A
N.T.S.

GENERAL NOTES

- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechES.com
- CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
- STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 2', AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO..
- IF REQUIRED, PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.
- CDS STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-478 AND AASHTO LOAD FACTOR DESIGN METHOD.

INSTALLATION NOTES

- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE.
- CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
- CONTRACTOR TO PROVIDE, INSTALL, AND GROUT INLET AND OUTLET PIPE(S). MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
- 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 ARE GROUTED.



www.contechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CDS2015-4-C
ONLINE CDS
STANDARD DETAIL

C:\USERS\MICOLUMBUS\DESKTOP\CDS2015-4-C-DTL.DWG 8/6/2018 8:49 AM



THIS PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 6,760,846; 6,841,725; 6,811,006; 6,881,785; RELATED FOREIGN PATENTS, OR OTHER PATENTS PENDING.



STORMTECH CHAMBER SPECIFICATIONS

- 1. CHAMBERS SHALL BE STORMTECH DC-780.
2. CHAMBERS SHALL BE MADE FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
3. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORT PANELS THAT WOULD IMPERE FLOW OR LIMIT ACCESS FOR INSPECTION.
4. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR 11-LONG-DURATION DEAD LOADS AND 3) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
5. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418-16, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
6. CHAMBERS SHALL BE DESIGNED AND ALLOWABLE LOADS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
7. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. THE CHAMBER MANUFACTURER SHALL SUBMIT THE FOLLOWING UPON REQUEST TO THE SITE DESIGN ENGINEER FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE:
a. A STRUCTURAL EVALUATION SEALED BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATES THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.50 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD. THE MINIMUM REQUIRED BY ASTM F2787 AND BY AASHTO FOR THERMOPLASTIC PIPE.
b. A STRUCTURAL EVALUATION SEALED BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATES THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET. THE 50 YEAR CREEP MODULUS DATA SPECIFIED IN ASTM F2418 OR ASTM F2922 MUST BE USED AS PART OF THE AASHTO STRUCTURAL EVALUATION TO VERIFY LONG-TERM PERFORMANCE.
c. STRUCTURAL CROSS SECTION DETAIL ON WHICH THE STRUCTURAL EVALUATION IS BASED.
8. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE DC-780 CHAMBER SYSTEM

- 1. STORMTECH DC-780 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH DC-780 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
- STONE/SHOOTER LOCATED OFF THE CHAMBER BED
- BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
- BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELLED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE 3/4" (20-50 mm).
8. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
9. ADS RECOMMENDS THE USE OF "FLEXTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

- 1. STORMTECH DC-780 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
2. THE USE OF CONSTRUCTION EQUIPMENT OVER DC-780 CHAMBERS IS LIMITED:
- NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
- NO RUBBER Tired LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
- WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING. USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.
CONTACT STORMTECH AT 1-888-892-2894 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

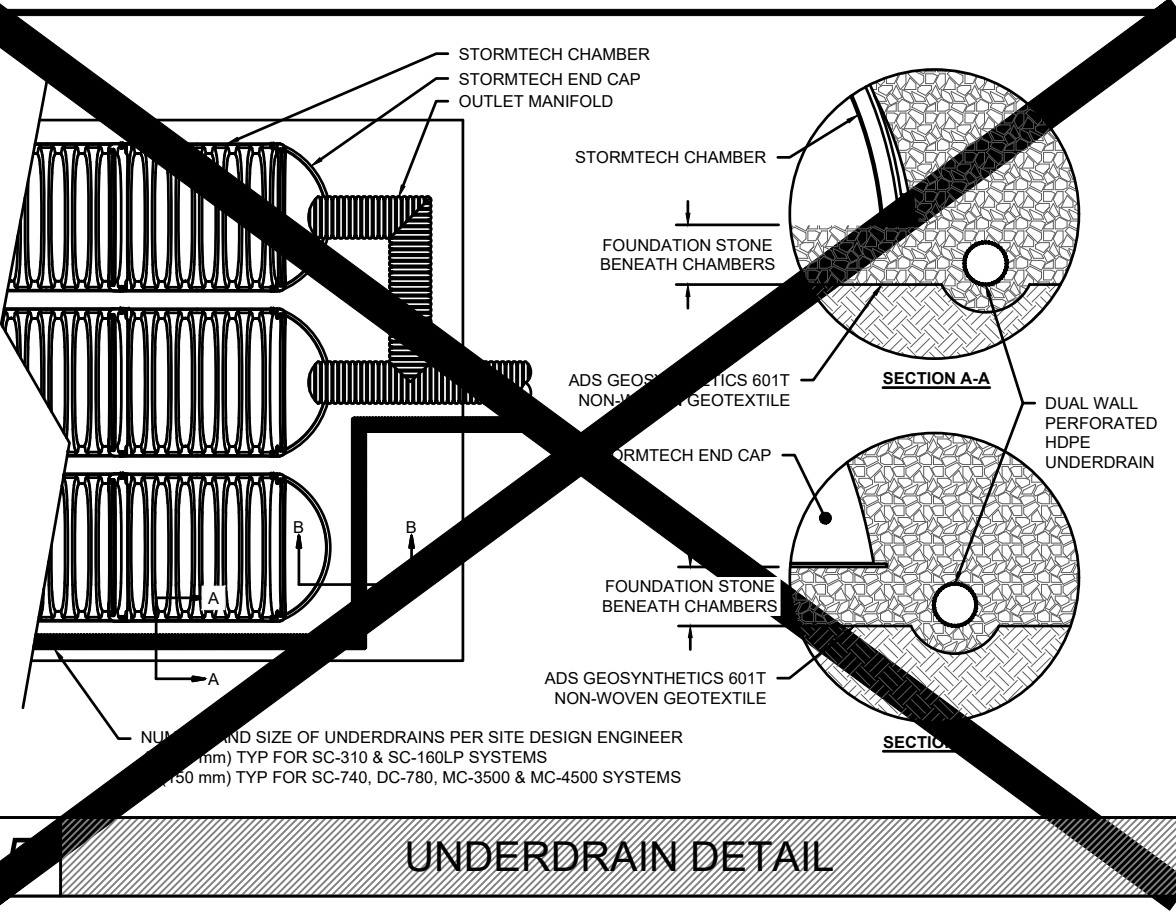


Table with 3 columns: CHAMBER, MAX DIAMETER OF INSERT-A-TEE, HEIGHT FROM BASE OF CHAMBER (A). Rows include SC-310, SC-740, DC-780, MC-3500, MC-4500.

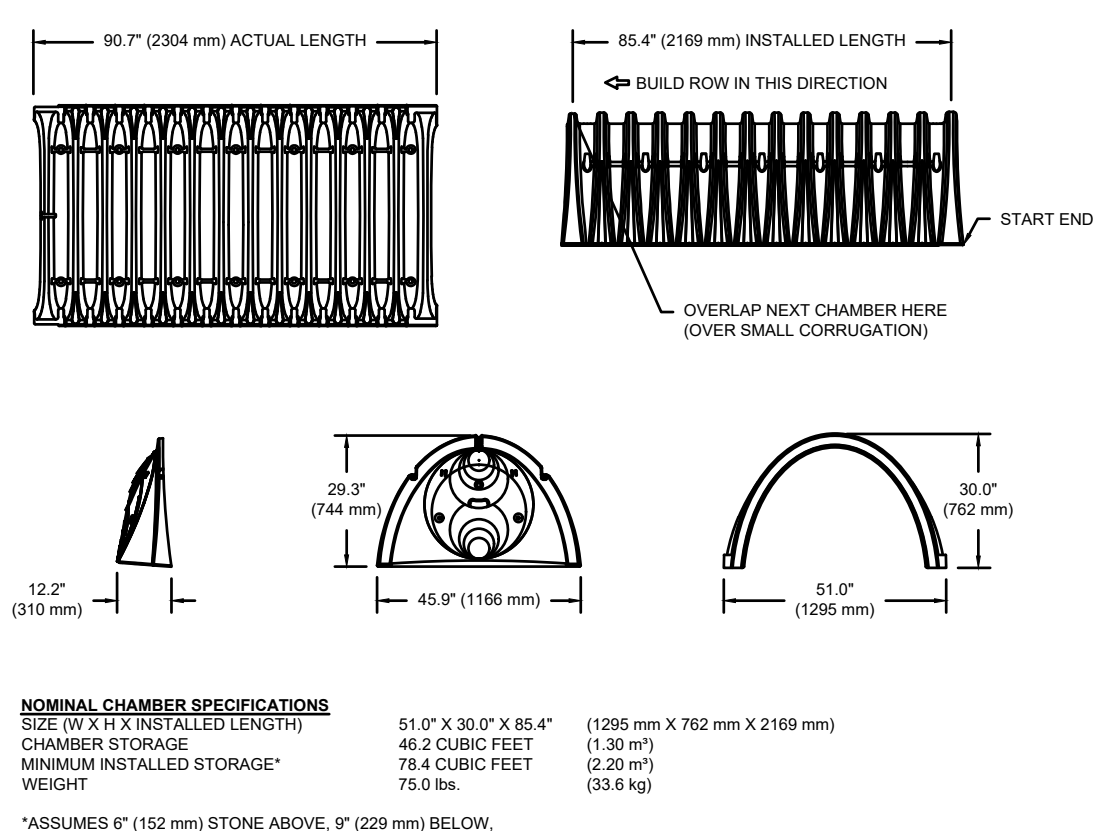


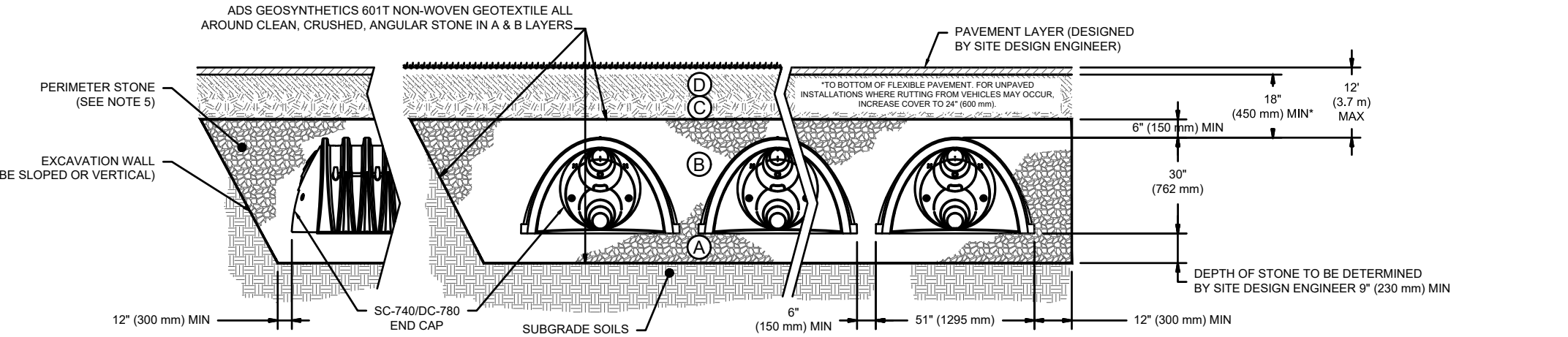
Table with 4 columns: PART #, STUB A, STUB B, STUB C. Lists various chamber part numbers and their dimensions. Includes notes about stub placement and fitting requirements.

6 INSERT-A-TEE SIDE INLET DETAIL

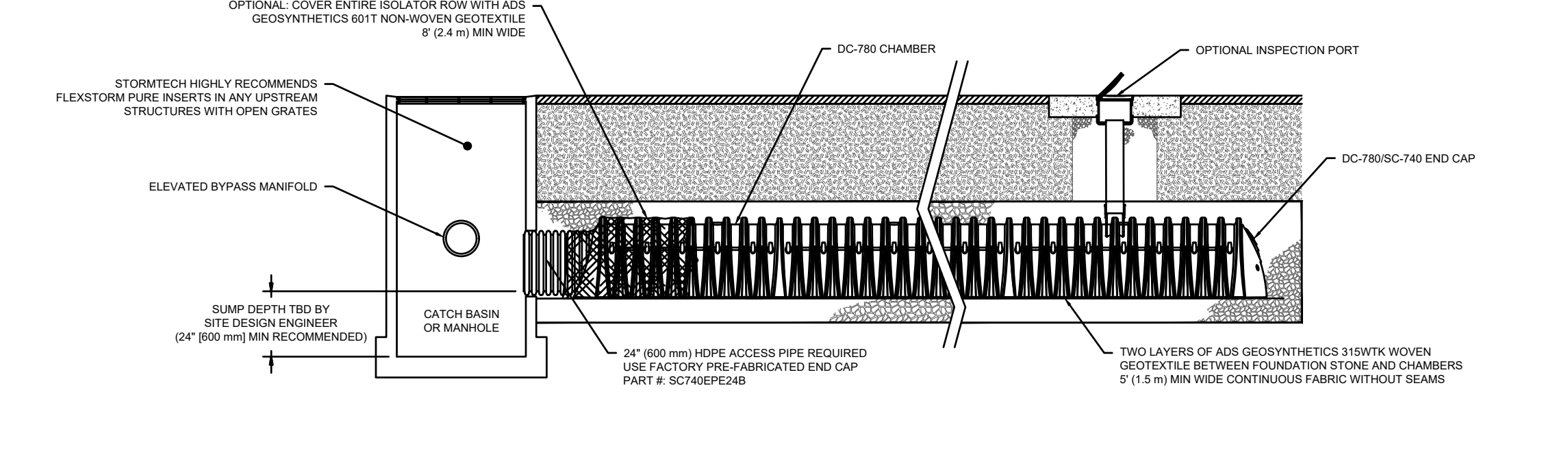
2 DC-780 TECHNICAL SPECIFICATIONS

ACCEPTABLE FILL MATERIALS: STORMTECH DC-780 CHAMBER SYSTEMS

Table with 4 columns: MATERIAL LOCATION, DESCRIPTION, AASHTO MATERIAL CLASSIFICATIONS, COMPACTION / DENSITY REQUIREMENT. Lists fill materials for layers D, C, B, A and foundation stone.



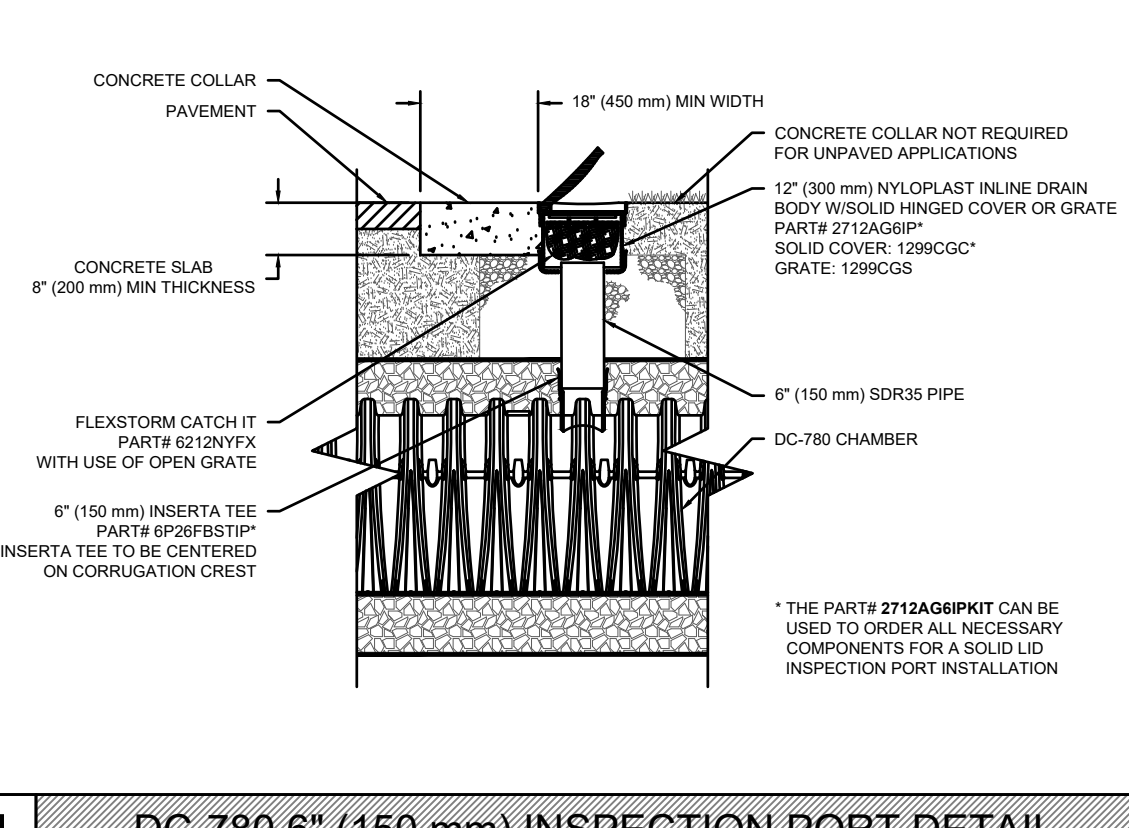
- NOTES:
1. DC-780 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) MAX LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT FOR SPECIAL LOAD DESIGNS. CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M31) STONE".
5. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) MAX LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
6. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT FOR SPECIAL LOAD DESIGNS. CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.



3 DC-780 ISOLATOR ROW DETAIL

INSPECTION & MAINTENANCE

- STEP 1) INSPECT ISOLATOR ROW FOR SEDIMENT
A. INSPECTION PORTS (IF PRESENT)
A.1. REMOVE OPEN LID ON NYLON-PLAST INLINE DRAIN
A.2. REMOVE AND CLEAN FLEXTORM FILTER IF INSTALLED
A.3. MAINTENANCE LOG
A.4. USING A FLASHLIGHT AND STAIN ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
A.5. LOWER A CAMERA INTO ISOLATOR ROW FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
A.6. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2; IF NOT, PROCEED TO STEP 3.
B. ALL ISOLATOR ROWS
B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW
B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW THROUGH OUTLET PIPE
i. MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
ii. FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2; IF NOT, PROCEED TO STEP 3.
STEP 2) CLEAN OUT ISOLATOR ROW USING THE JETVAC PROCESS
A. A FIXED ORVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m) OR MORE IS PREFERRED
B. APPLY 1/2" (12.5 mm) PASSAGE OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
C. VACUUM STRUCTURE SUMP AS REQUIRED
STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS. RECORD OBSERVATIONS AND ACTIONS.
STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.
NOTES
1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



4 DC-780 6" (150 mm) INSPECTION PORT DETAIL

DRAWN: DATE: PROJECT NO.: NOT TO SCALE
REVIEWED:
REV:

ADVANCED DRAINAGE SYSTEMS, INC. (ADS) HAS PREPARED THIS DETAIL BASED ON REFERENCED STANDARDS. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT. NOR HAS ADS ASSUMED ANY RESPONSIBILITY FOR THE INSTALLATION DETAILS PROVIDED HEREIN. ENSURE THE DETAILS PROVIDED HEREIN MEET OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

stormtech
PROFESSIONAL DESIGNER: HILLIARD, OH 43026
4840 TRUJMAN BLVD
HILLIARD, OH 43026

DESIGNED: R.M.D.
DRAWN: R.M.D.
REVIEWED: S.M.K.
SCALE: NONE
PROJECT NO.: 1901997
DATE: 07/07/2021
CAD FILE: DN190199701
SHEET

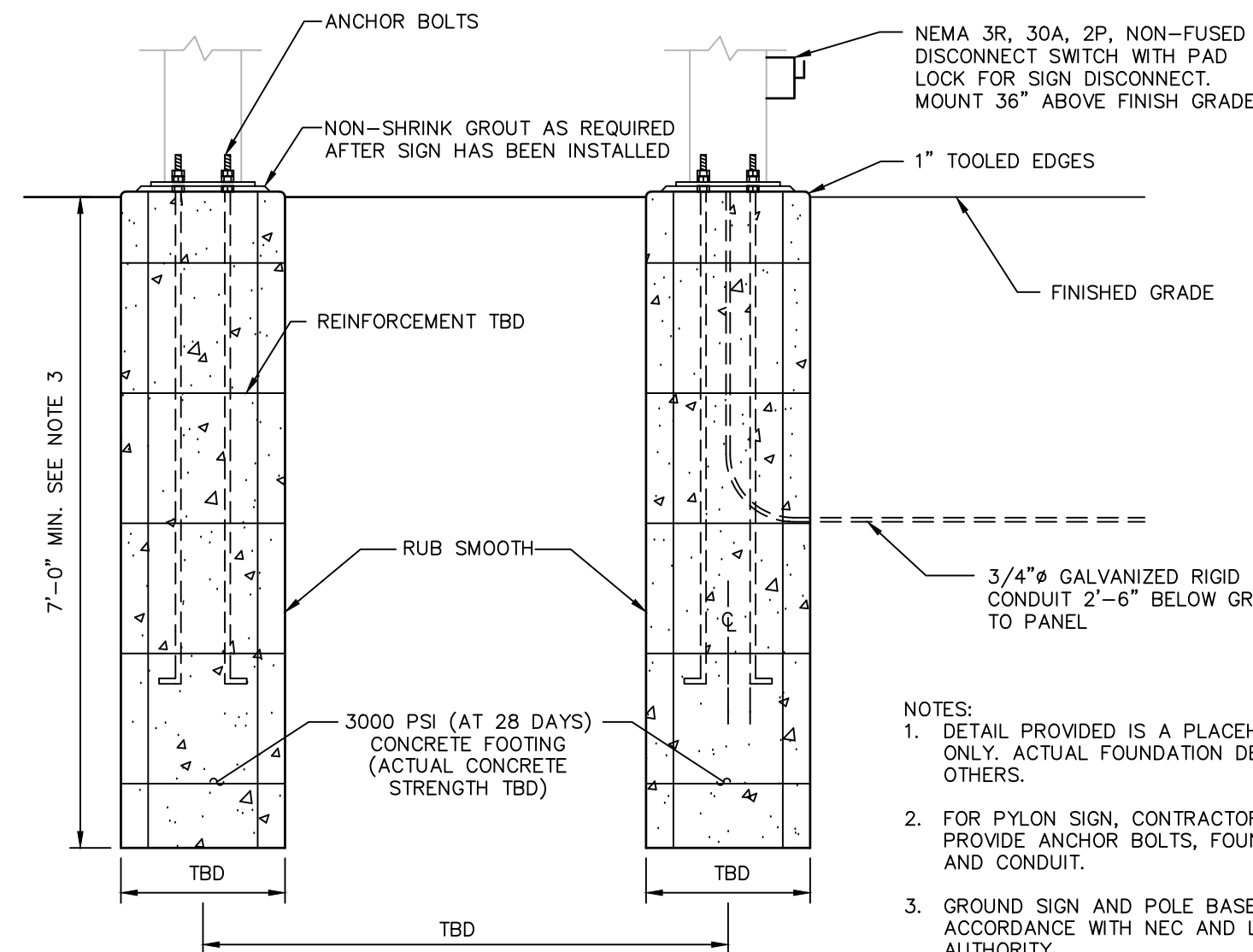


355 Research Parkway
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PROPOSED DEVELOPMENT
144 WASHINGTON AVE (ROUTE 5)
NORTH HAVEN, CONNECTICUT

REVISIONS
BULLETIN #1 - SHEET REVISIONS
BULLETIN #2 - ADDRESS TOWN COMMENTS
BULLETIN #3 - ADDRESS TOWN COMMENTS
BULLETIN #4 - ADDRESS TOWN COMMENTS
BULLETIN #5 - ADDRESS TOWN COMMENTS
BULLETIN #6 - ADDRESS TOWN COMMENTS
BULLETIN #7 - ADDRESS TOWN COMMENTS
BULLETIN #8 - ADDRESS TOWN COMMENTS
BULLETIN #9 - ADDRESS TOWN COMMENTS
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BULLETIN #14 - ADDRESS TOWN COMMENTS
BULLETIN #15 - ADDRESS TOWN COMMENTS
BULLETIN #16 - ADDRESS TOWN COMMENTS
BULLETIN #17 - ADDRESS TOWN COMMENTS
BULLETIN #18 - ADDRESS TOWN COMMENTS
BULLETIN #19 - ADDRESS TOWN COMMENTS
BULLETIN #20 - ADDRESS TOWN COMMENTS

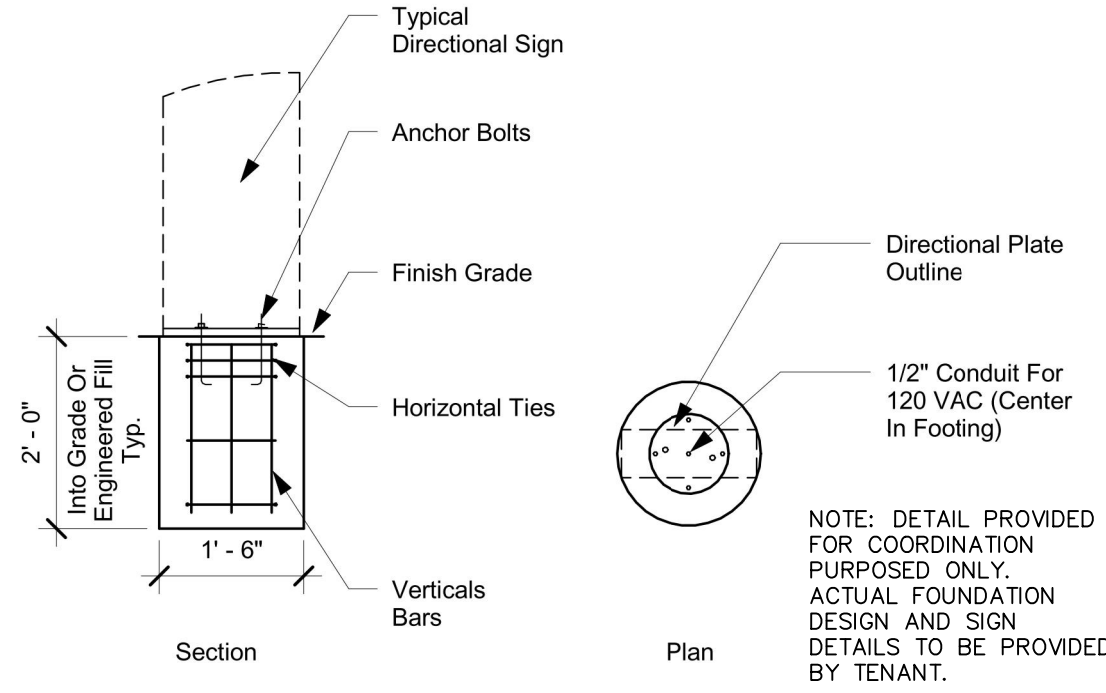
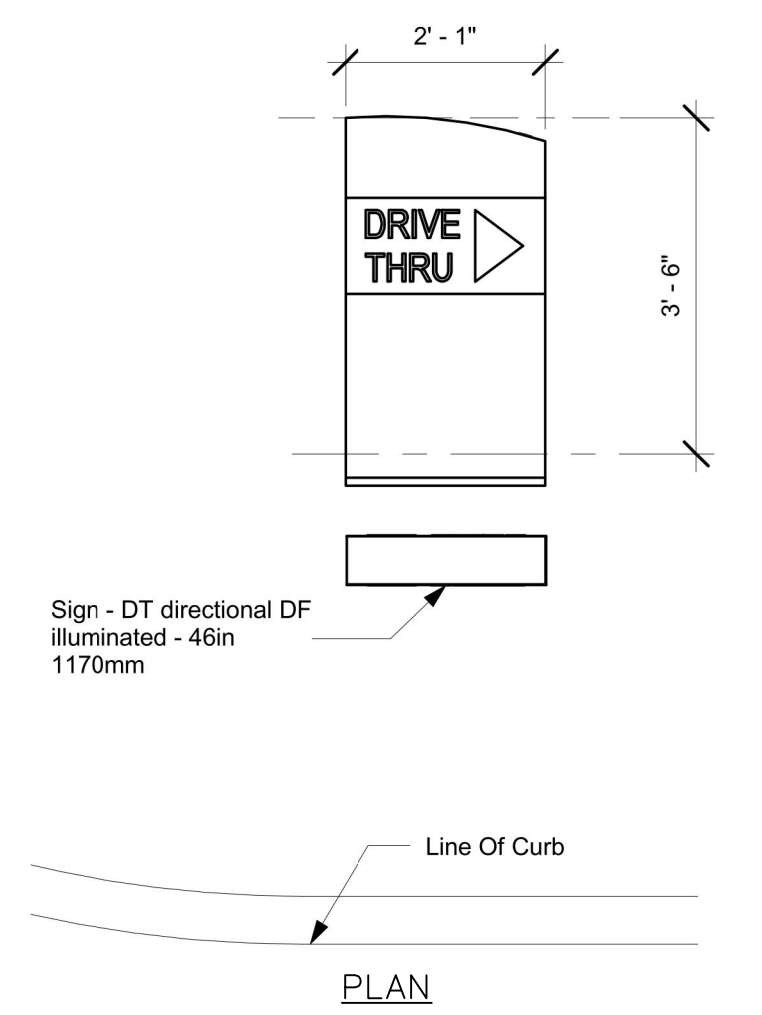
DETAILS SHEET - STORMTECH CHAMBER
Sheet No.
DN-16



- NOTES:
1. DETAIL PROVIDED IS A PLACEHOLDER ONLY. ACTUAL FOUNDATION DESIGN BY OTHERS.
 2. FOR PYLON SIGN, CONTRACTOR SHALL PROVIDE ANCHOR BOLTS, FOUNDATION AND CONDUIT.
 3. GROUND SIGN AND POLE BASE IN ACCORDANCE WITH NEC AND LOCAL AUTHORITY.
 4. CONTRACTOR SHALL VERIFY DEPTH OF SIGN BASE AND POLE FOUNDATION FOOTINGS TO SATISFY REQUIREMENTS OF THE LOCAL AUTHORITY REQUIREMENTS.
 5. VERIFY POWER CIRCUIT REQUIREMENTS FOR PYLON SIGN WITH TENANT(S).

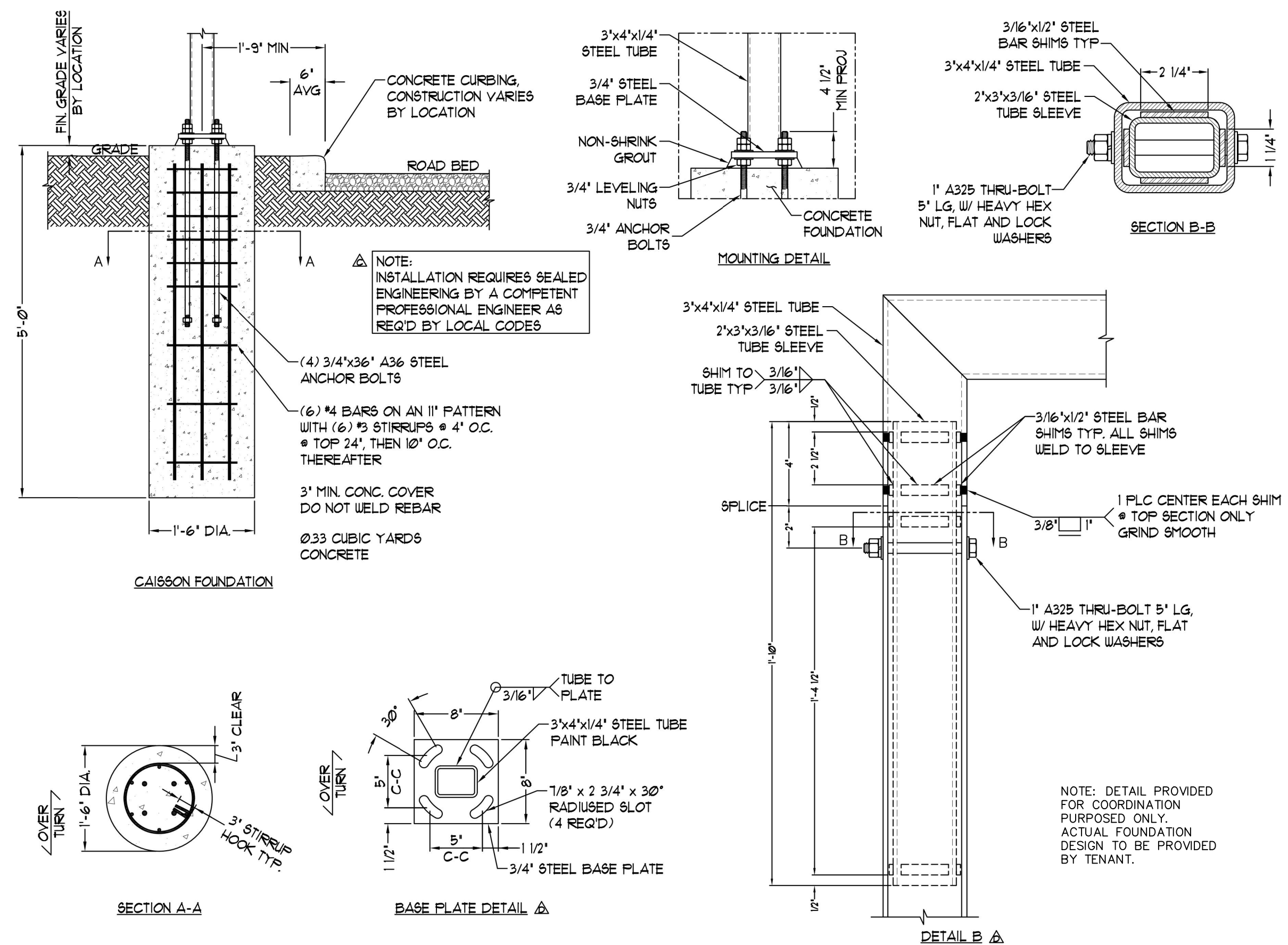
PLACEHOLDER PYLON SIGN FOUNDATION

N.T.S.



TYPICAL DIRECTIONAL SIGN

N.T.S.



- NOTES:
1. Design is based on 30 mph 3 second gust design wind speed per IBC 2003, Category II, Exposure C.
 2. Caisson foundation is based on a safe lateral soil bearing pressure of 3000 psf per foot of depth. Allowable bearing pressure should be verified prior to placement of concrete. Do not place foundation in fill.
 3. Concrete shall be mixed to attain a minimum compressive strength of 3000 psi in 28 days.
 4. Support members shall be free from defects and shall meet ASTM A500 grade B with a minimum yield strength of 46000 psi for tube. Plate and angle shall meet ASTM A36. Aluminum shall be fabricated from 3003-H14 sheet.
 5. Structural bolts shall be zinc coated A325 unless otherwise noted.
 6. Anchor bolts shall be cut from A36 round stock. Exposed surfaces shall be galvanized or coated to prevent corrosion.
 7. All voids between column base plate and foundation surface shall be completely filled with high strength non-shrink grout.
 8. Welds shall be made with E70xx electrodes for steel by persons qualified in accordance with AWS standards within the past two years.
 9. Steel reinforcing bars shall conform to ASTM A615 grade 60 with deformations in accordance with ASTM A-305. Welding of reinforcing bars is prohibited.
 10. This design is prototypical and should not be used for site specific applications unless reviewed and deemed suitable for use at that site by a competent Professional Engineer.

MANUFACTURER TO PROVIDE TOUCH-UP PAINT MATCHING RAL 1021M FOR POLE/CROSS-BAR ASSEMBLY. ALL EXPOSED FASTENER HEADS TO MATCH THE SURROUNDING FINISH

TYPICAL HEIGHT BAR FOUNDATION

N.T.S.

PROPOSED DEVELOPMENT
144 WASHINGTON AVE (ROUTE 5)
NORTH HAVEN, CONNECTICUT

REVISIONS

NO.	DATE	DESCRIPTION
1	4/26/2021	ISSUE FOR PERMITS
2	5/10/2021	REVISIONS TO PERMITS
3	5/10/2021	ADDRESS TOWN COMMENTS
4	6/22/2021	REVISIONS TO PERMITS
5	6/22/2021	PERMISSION COMMENTS
6	6/22/2021	PERMITS AND VARIANCE NOTE
7	7/26/2021	REVISIONS TO PERMITS
8	7/26/2021	RESPONSE TO TOWN COMMENTS
9	8/24/2021	REVISIONS TO PERMITS
10	10/1/2021	REVISIONS TO PERMITS
11	10/1/2021	REVISIONS TO PERMITS
12	11/15/2021	REVISIONS TO PERMITS
13	11/15/2021	REVISIONS TO PERMITS
14	11/15/2021	REVISIONS TO PERMITS
15	11/15/2021	REVISIONS TO PERMITS
16	11/15/2021	REVISIONS TO PERMITS
17	11/15/2021	REVISIONS TO PERMITS
18	11/15/2021	REVISIONS TO PERMITS
19	11/15/2021	REVISIONS TO PERMITS
20	11/15/2021	REVISIONS TO PERMITS

Designed	R.M.D.
Drawn	R.M.D.
Reviewed	S.M.K.
Scale	NONE
Project No.	1901997
Date	07/07/2021
CAD File:	DN190199701

Title
DETAILS SHEET - SIGNAGE FOUNDATIONS

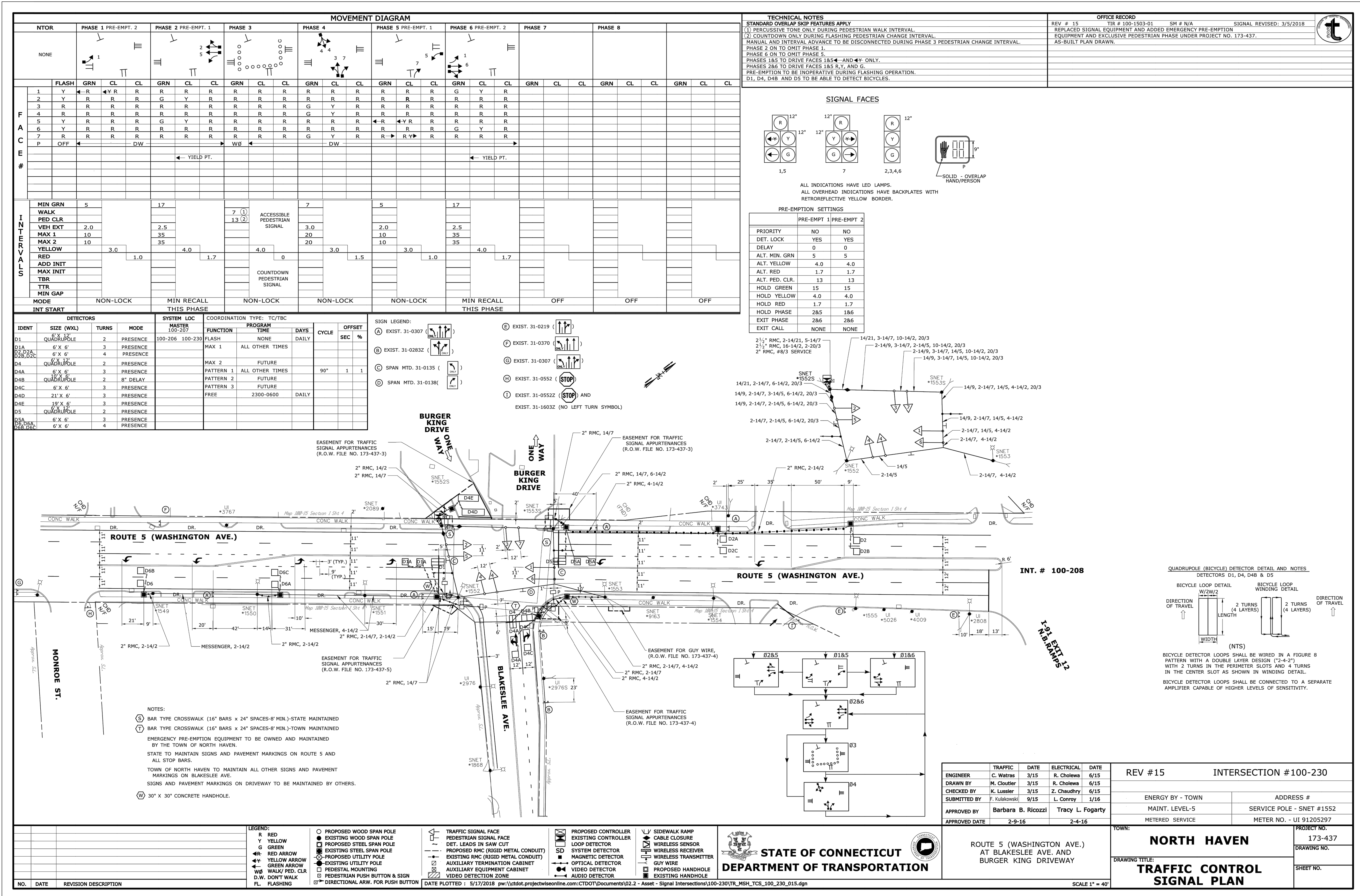
Sheet No.

DN-17



355 Research Parkway
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PROPOSED DEVELOPMENT
144 WASHINGTON AVE (ROUTE 5)
NORTH HAVEN, CONNECTICUT



LEGEND:

- R RED
- Y YELLOW
- G GREEN
- AR RED ARROW
- AG GREEN ARROW
- WB WALK/PED. CLR
- D.W. DONT WALK
- FL FLASHING
- PROPOSED WOOD SPAN POLE
- EXISTING WOOD SPAN POLE
- PROPOSED STEEL SPAN POLE
- EXISTING STEEL SPAN POLE
- PROPOSED UTILITY POLE
- EXISTING UTILITY POLE
- PEDESTAL MOUNTING
- PEDESTRIAN PUSH BUTTON & SIGN
- DIRECTIONAL ARW. FOR PUSH BUTTON
- TRAFFIC SIGNAL FACE
- PEDESTRIAN SIGNAL FACE
- DET. LEADS IN SAW CUT
- PROPOSED RMC (RIGID METAL CONDUIT)
- EXISTING RMC (RIGID METAL CONDUIT)
- AUXILIARY TERMINATION CABINET
- AUXILIARY EQUIPMENT CABINET
- VIDEO DETECTION ZONE
- PROPOSED CONTROLLER
- EXISTING CONTROLLER
- LOOP DETECTOR
- MAGNETIC DETECTOR
- OPTICAL DETECTOR
- VIDEO DETECTOR
- AUDIO DETECTOR
- SIDEWALK RAMP
- CABLE CLOSURE
- WIRELESS SENSOR
- WIRELESS RECEIVER
- WIRELESS TRANSMITTER
- GUY WIRE
- PROPOSED HANDHOLE
- EXISTING HANDHOLE

QUADRUPOLE (BICYCLE) DETECTOR DETAIL AND NOTES

DETECTORS D1, D4, D4B & D5

BICYCLE DETECTOR LOOPS SHALL BE WIRED IN A FIGURE 8 PATTERN WITH A DOUBLE LAYER DESIGN (2x2-2) WITH 2 TURNS IN THE PERIMETER SLOTS AND 4 TURNS IN THE CENTER SLOT AS SHOWN IN WINDING DETAIL.

BICYCLE DETECTOR LOOPS SHALL BE CONNECTED TO A SEPARATE AMPLIFIER CAPABLE OF HIGHER LEVELS OF SENSITIVITY.

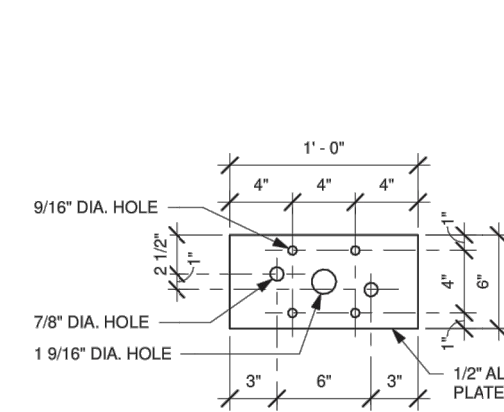
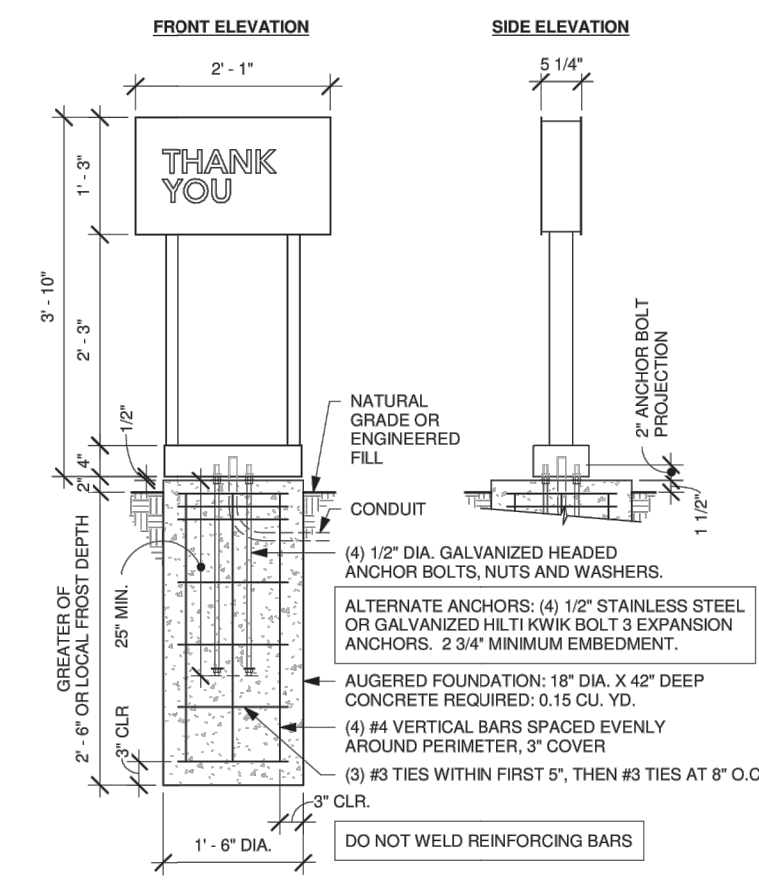
TRAFFIC CONTROL SIGNAL PLAN

ENGINEER C. Warne	DATE 3/15	ELECTRICAL R. Cholewa	DATE 6/15
DRAWN BY M. Coulter	DATE 3/15	CHECKED BY Z. Chaudhry	DATE 6/15
SUBMITTED BY F. Kulbokowski	DATE 9/15	APPROVED BY Barbara B. Ricozzi	DATE 2-9-16
APPROVED DATE 2-9-16		DATE 2-4-16	

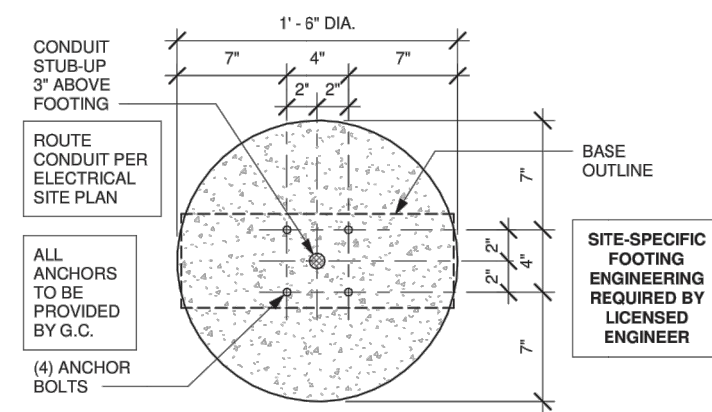
DESIGNED: R.M.D.
DRAWN: R.M.D.
REVIEWED: S.M.K.
SCALE: NONE
PROJECT NO.: 1901997
DATE: 07/07/2021
CAD FILE: DN190199701
TITLE: DETAILS SHEET - CT DOT SIGNAL PLAN
SHEET NO.: DN-18

Site Signage Details

Note: Footing details for signage and clearance bar to be provided by vendor under separate cover

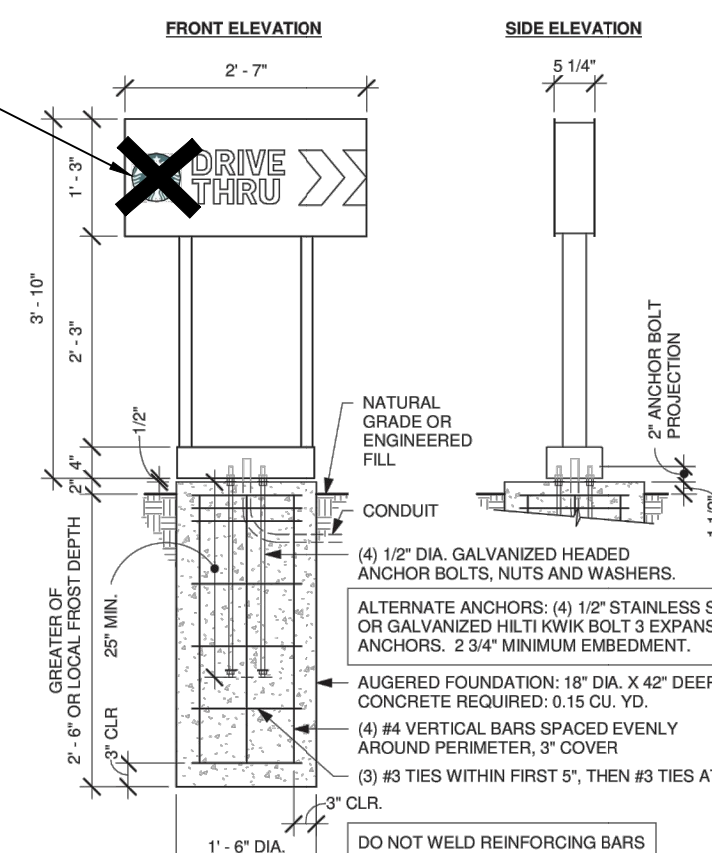


DTE ARROW AND LOGO SIGNAGE BASE PLATE
Scale: 1 1/2" = 1'-0"



DTE ARROW AND LOGO SIGNAGE BOLT PATTERN (TOP VIEW)
Scale: 1 1/2" = 1'-0"

DO NOT INCLUDE TENANT LOGO ON TOP OF SIGN. SEE GENERAL NOTE 2 ON THIS SHEET. (TOWN OF NORTH HAVEN SIGN REGULATIONS LIMIT ON-SITE BRANDING/LOGOS TO 40 SF, INCLUDING THE PYLON SIGN. THE PYLON SIGN IS PROPOSED TO BE 40 SF. THEREFORE, NO WAYFINDING SIGNS ARE ALLOWED TO INCLUDE TENANT LOGOS OR BRANDING.)



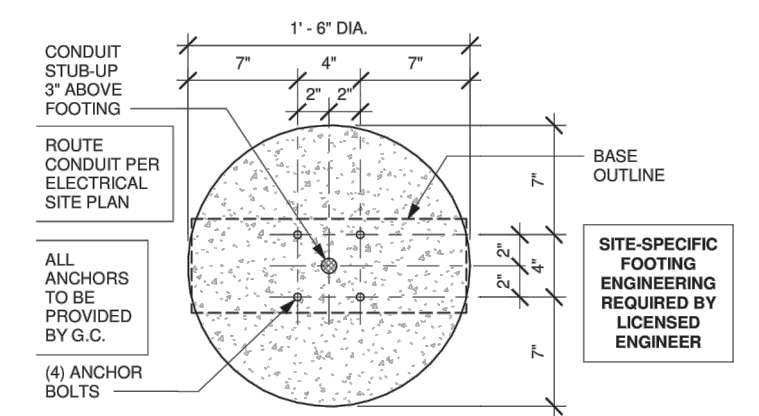
DTE ARROW AND LOGO SIGNAGE GROUND FOOTING
Scale: 3/4" = 1'-0"

G.C. RESPONSIBLE FOR FOUNDATIONS AND FOOTINGS ON ALL MENU BOARD AND DRIVE THRU ELEMENTS. SIGNAGE VENDOR TO SUPPLY TEMPLATES AND INSTALL MENU BOARDS ONLY.

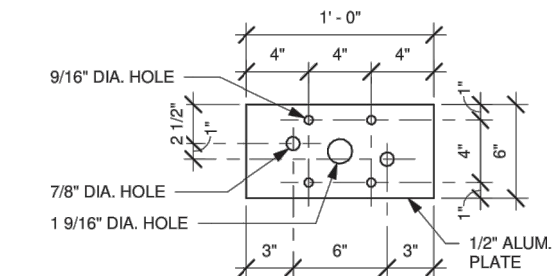
SITE-SPECIFIC FOOTING ENGINEERING REQUIRED BY LICENSED ENGINEER

DTE EXIT SIGNAGE GROUND FOOTING

Scale: 3/4" = 1'-0"



DTE EXIT SIGNAGE BOLT PATTERN (TOP VIEW)
Scale: 1 1/2" = 1'-0"



DTE EXIT SIGNAGE BASE PLATE
Scale: 1 1/2" = 1'-0"

46" Thank You / Exit Only Sign, Illuminated

46" Directional Arrow w/ Logo, Illuminated

PROPOSED DEVELOPMENT
144 WASHINGTON AVE (ROUTE 5)
NORTH HAVEN, CONNECTICUT

4/26/2021	REVISION 1	REVISED PER COMMENTS
5/10/2021	REVISION 2	REVISED PER COMMENTS
5/10/2021	REVISION 3	REVISED PER COMMENTS
6/24/2021	REVISION 4	REVISED PER COMMENTS
7/26/2021	REVISION 5	REVISED PER COMMENTS
8/24/2021	REVISION 6	REVISED PER COMMENTS
10/1/2021	REVISION 7	REVISED PER COMMENTS
1/13/2022	REVISION 8	REVISED PER COMMENTS
1/22/2022	REVISION 9	REVISED PER COMMENTS
1/27/2022	REVISION 10	REVISED PER COMMENTS

Designed	R.M.D.
Drawn	R.M.D.
Reviewed	S.M.K.
Scale	NONE
Project No.	1901997
Date	07/07/2021
CAD File:	DN190199701

Title
DETAILS SHEET - TENANT A DETAILS

Sheet No.

DN-20

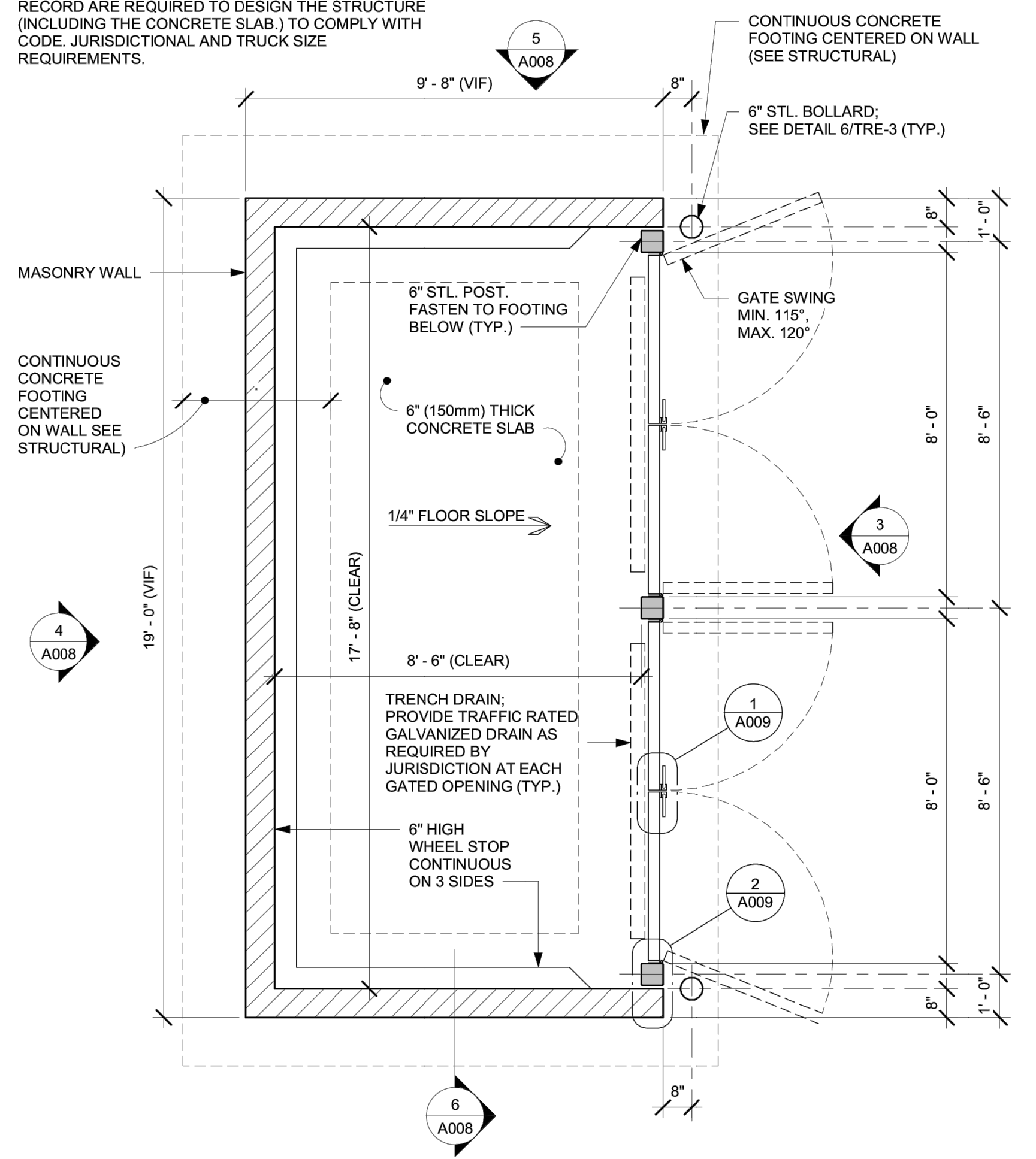
4/26/2021	BULLETIN #1 - SITE REVISIONS
5/10/2021	BULLETIN #2 - COMMENTS
5/17/2021	BULLETIN #3 - ADDRESS TOWN COMMENTS
6/22/2021	BULLETIN #4 - PERMISSIVE COMMENTS
6/22/2021	BULLETIN #5 - LANGAGE AND VARIANCE NOTE
7/06/2021	BULLETIN #6 - RESPONSE TO CT DOT COMMENTS
8/24/2021	BULLETIN #7 - RESPONSE TO CT DOT COMMENTS
8/24/2021	BULLETIN #8 - TENDANT SITE APPROVALS
10/01/2021	BULLETIN #9 - REVIEW WATER USE CONNECTIONS
11/15/2021	BULLETIN #10 - REVIEW WATER USE CONNECTIONS
12/22/2021	BULLETIN #11 - REVIEW WATER USE CONNECTIONS
1/27/2022	BULLETIN #12 - TENDANT AS PAVING SCHEDULE LAYOUT
1/27/2022	BULLETIN #13 - STARBUCKS REVISIONS

Designed R.M.D.
Drawn R.M.D.
Reviewed S.M.K.
Scale NONE
Project No. 1901997
Date 07/07/2021
CAD File: DN190199701

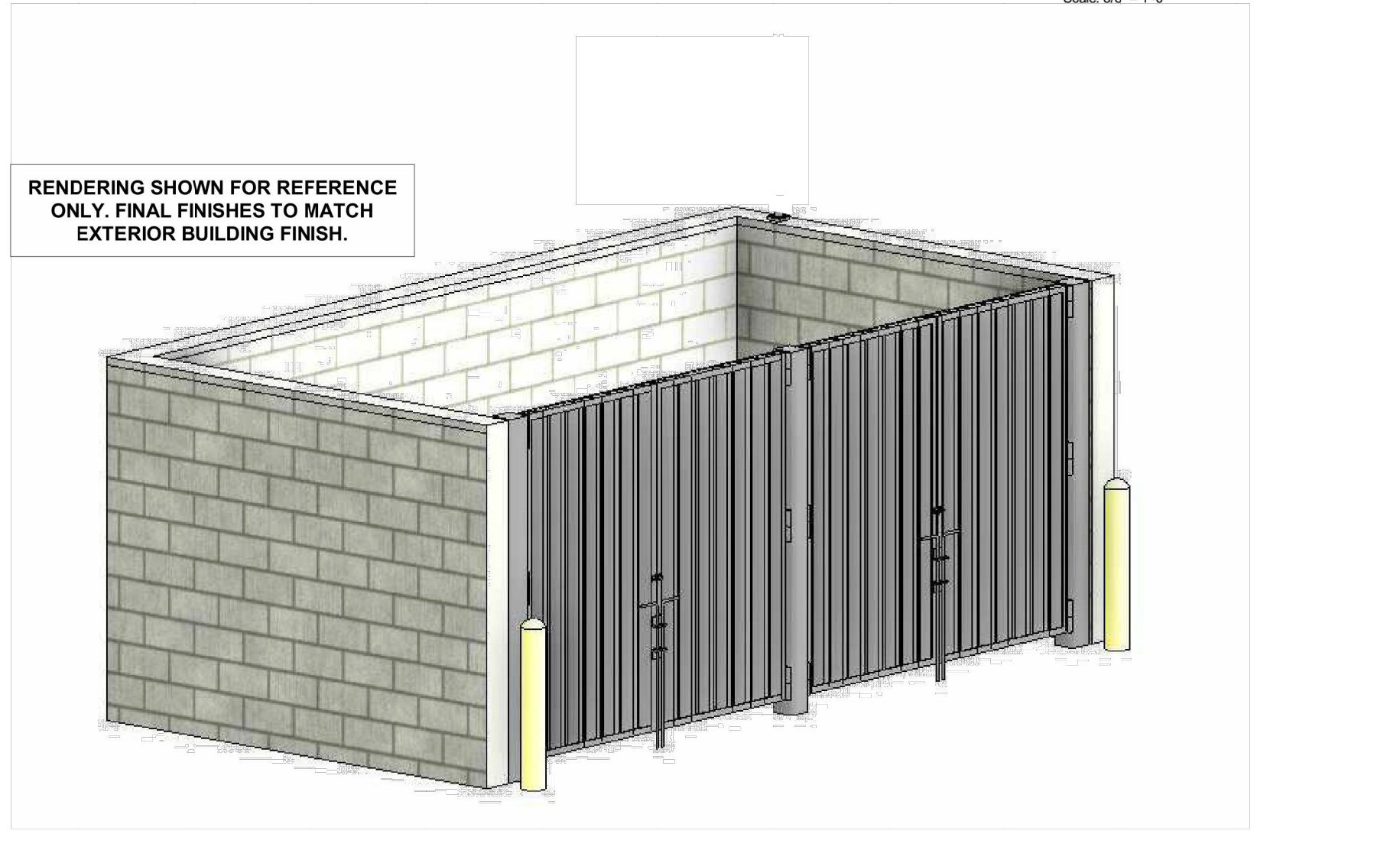
Title
**DETAILS SHEET -
TENANT A
DETAILS**

Sheet No.

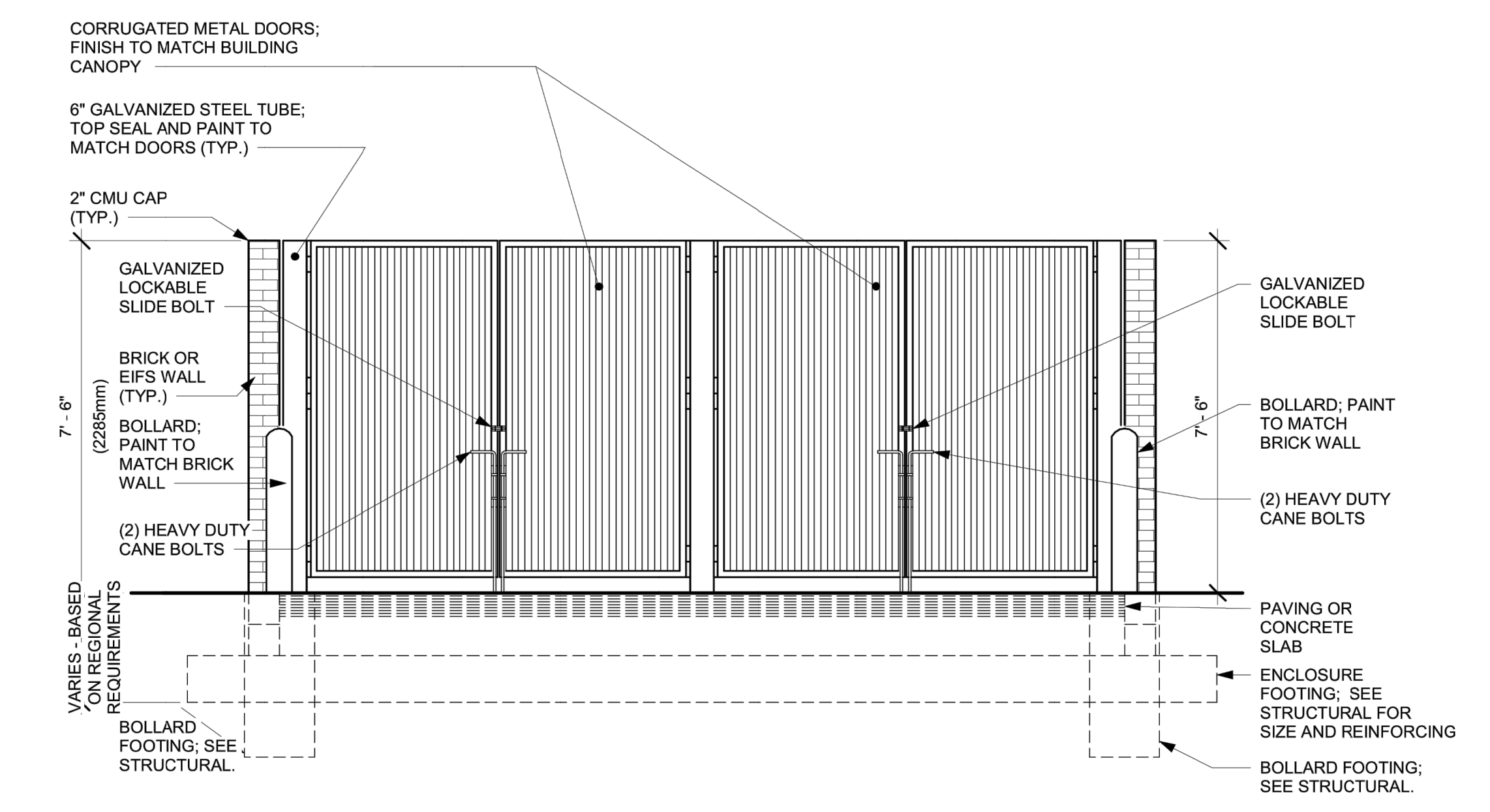
NOTES:
THE TRASH ENCLOSURE IS SIZED TO ACCOMMODATE VARYING CONTAINER REQUIREMENTS AND SIZES.
THE LANDLORD'S ARCHITECT AND/OR ENGINEER OF RECORD ARE REQUIRED TO DESIGN THE STRUCTURE (INCLUDING THE CONCRETE SLAB) TO COMPLY WITH CODE, JURISDICTIONAL AND TRUCK SIZE REQUIREMENTS.



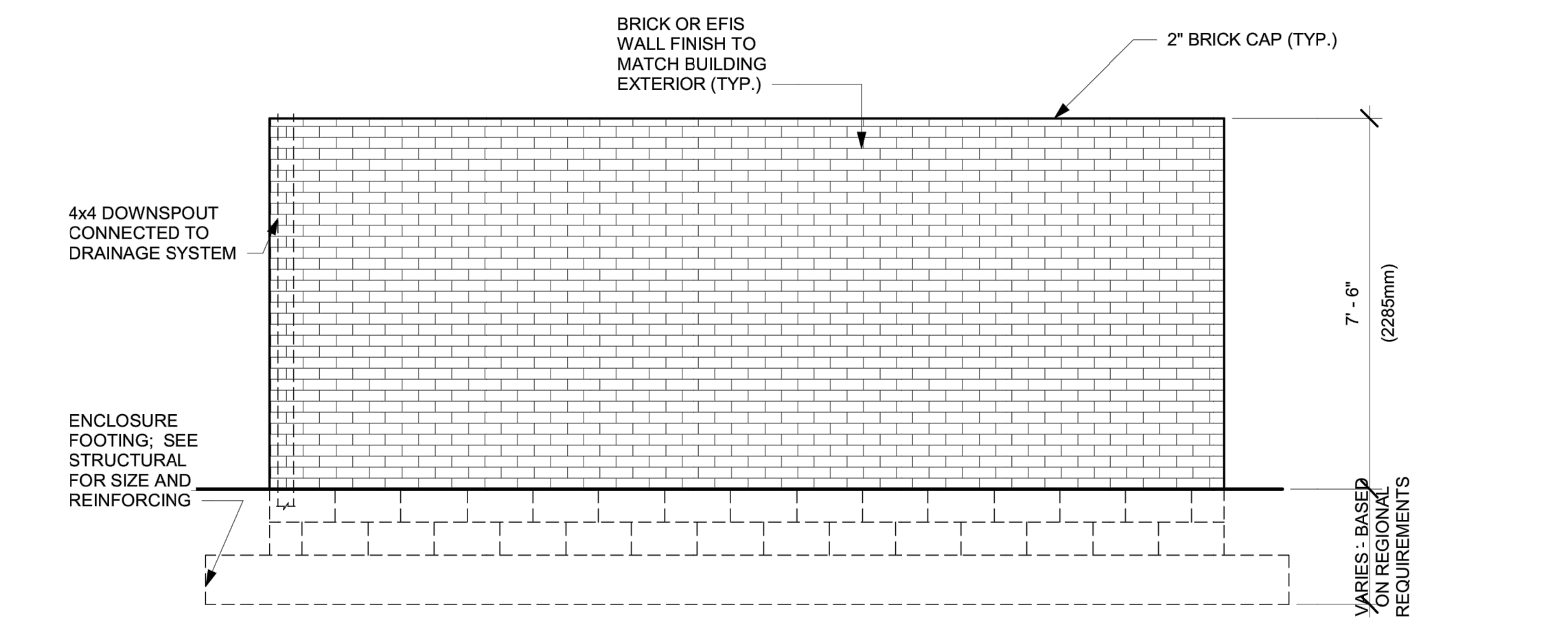
1 TRASH ENCLOSURE - FLOOR PLAN
Scale: 3/8" = 1'-0"



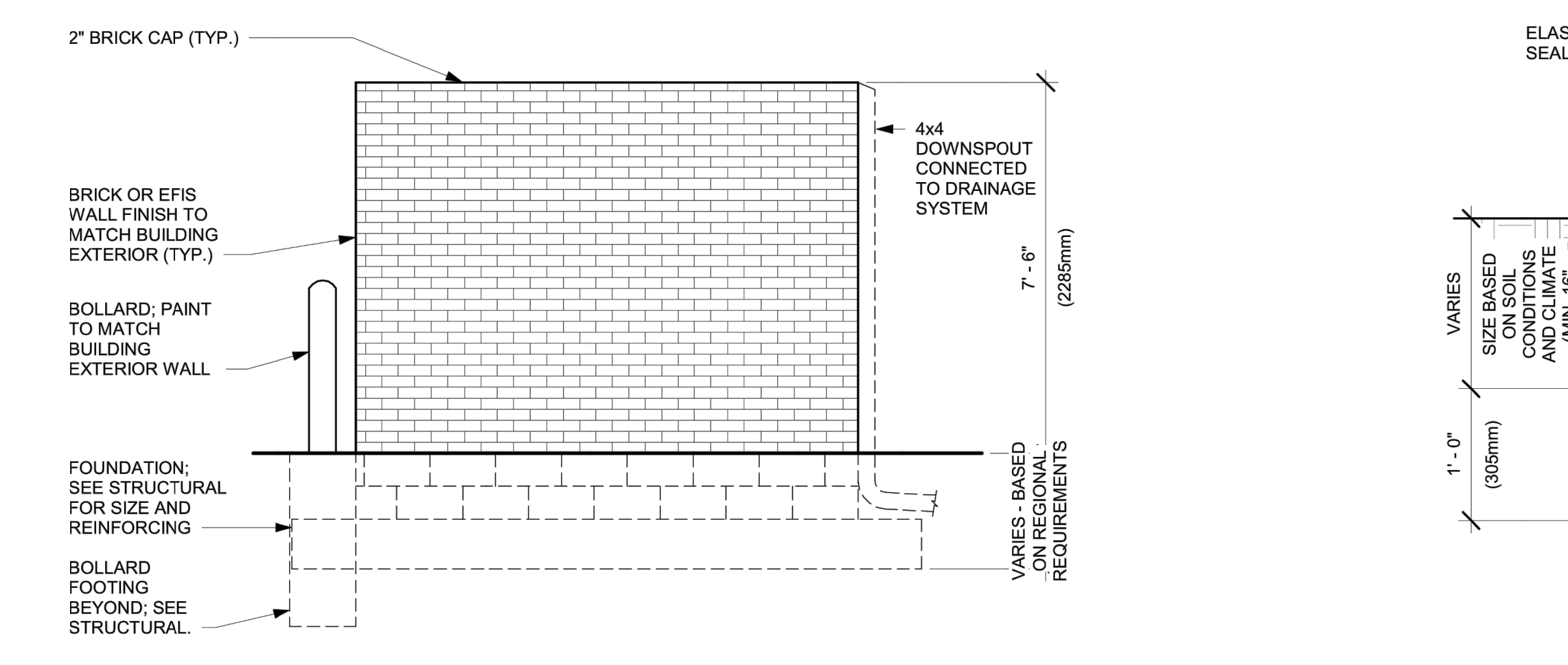
2 TRASH ENCLOSURE - 3D VIEW
Scale: 1/4" = 1'-0"



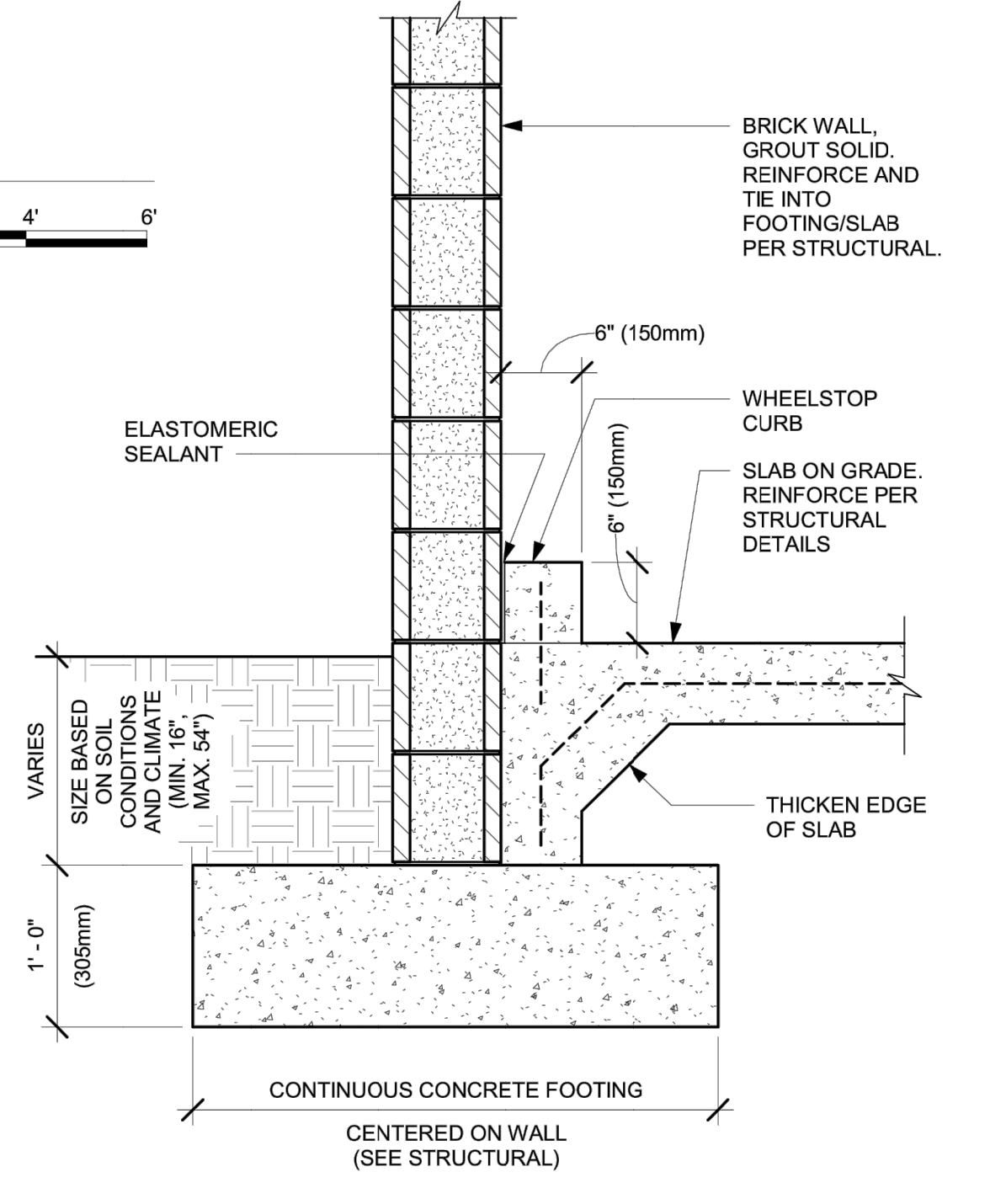
3 TRASH ENCLOSURE - FRONT ELEVATION
Scale: 3/8" = 1'-0"



4 TRASH ENCLOSURE - BACK ELEVATION
Scale: 3/8" = 1'-0"



5 TRASH ENCLOSURE - SIDE ELEVATION
Scale: 3/8" = 1'-0"



6 TYPICAL BRICK WALL FOOTING
Scale: 1" = 1'-0"

NOTE: ALL RESPONSIBILITIES TO BE CONFIRMED WITH STARBUCKS DESIGN MANAGER PRIOR TO ORDERING / CONSTRUCTION.

NOTE: SITE PLAN BACKGROUND DATED 01-07-2022

NOTE: SIGNAGE UNDER SEPARATE PERMIT. SHOWN FOR REFERENCE AND COORDINATION ONLY.

ALL DETAILS FOR LL PROVIDED ITEMS ON TENANT DRAWING ARE FOR REFERENCE ONLY.