

MAINE MEDICAL CENTER

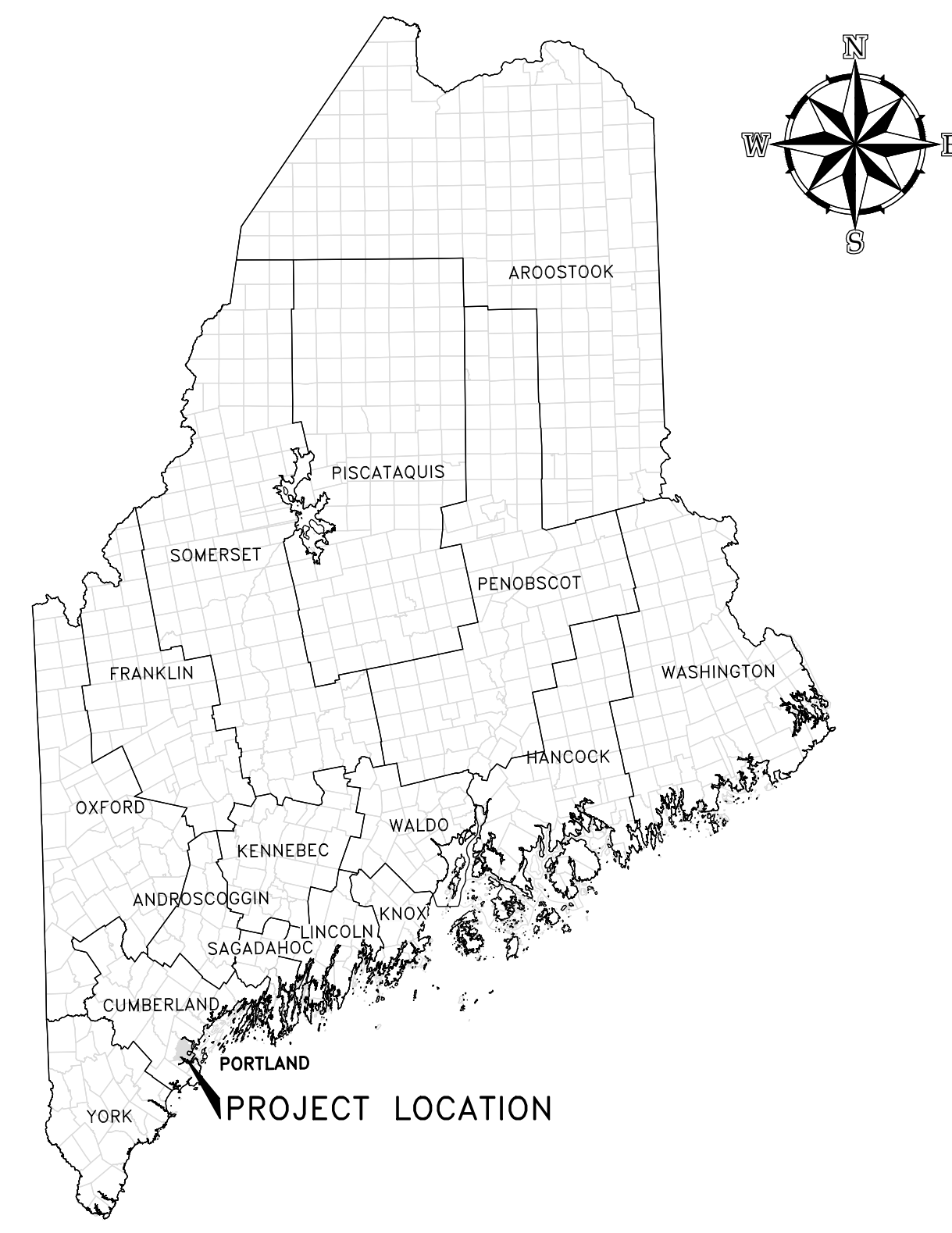
PORTLAND, ME 04102

ST. JOHN STREET EMPLOYEE PARKING GARAGE

W&C PROJECT NO. 0231158.00

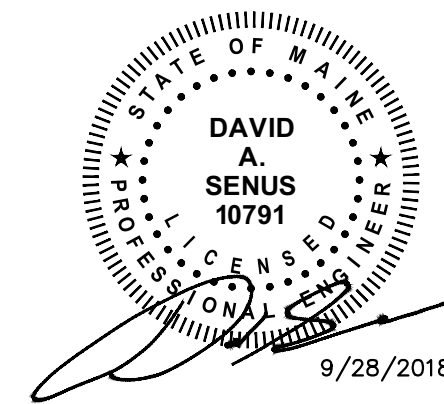
SEPTEMBER 28, 2018

PERMIT SET



PROJECT LOCATION MAP

scale 0 50 100 mile



41 Hutchins Drive | Portland, Maine 04102
800.426.4262 | www.woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS



SITE LOCATION MAP

scale 0 2000 4000 feet



CITY OF PORTLAND
APPROVED SITE PLAN
Subject to Conditions of Approval
and Standard Conditions

DATE OF APPROVAL 9/11/18
PLANNER Neil Donaldson
PROJECT NO. 000207-2018

GENERAL NOTES:

- 1. EXISTING CONDITIONS, TOPOGRAPHIC INFORMATION, UTILITY LOCATIONS & PROPERTY LINE INFORMATION SHOWN HEREON HAVE BEEN PROVIDED FROM A FIELD SURVEY PREPARED BY OWEN HASKELL, INC., DATED NOV. 16, 2016 & UPDATED MARCH 26, 2018.

- 19. WORK WITHIN PUBLIC RIGHT-OF-WAY SHALL COMPLY WITH APPLICABLE CITY OF PORTLAND AND STATE REQUIREMENTS.

- 36. CONTRACTOR SHALL MAINTAIN EROSION CONTROL AND STORMWATER POLLUTION PREVENTION SYSTEMS IN COMPLIANCE WITH THE REQUIREMENTS OF THE MAINE CONSTRUCTION GENERAL PERMIT (MCGP).

GRADING AND DRAINAGE NOTES:

- 1. CASTINGS FOR EXISTING STRUCTURES TO REMAIN AND PROPOSED STRUCTURES SHALL BE SET TO THE PROPOSED FINISH ELEVATION ON THE DRAWINGS.

- 11. WHEREVER POSSIBLE, PROVIDE 10 FOOT HORIZONTAL SEPARATION BETWEEN WATER AND SEWER LINES. WHEN THIS HORIZONTAL SEPARATION IS NOT POSSIBLE, INSTALL SEWER LINE AT LEAST 18 INCHES BETWEEN BOTTOM OF WATER LINE AND TOP OF SEWER.

CIVIL DRAWING INDEX

Table with 3 columns: Sheet Number, Sheet Title, Sheet Description. Lists sheets 1 through 18 including General Notes, Boundary & Topographic Survey, Site Layout & Materials Plan, etc.

LEGEND

Legend table for existing and proposed features. Existing includes Contour, Sanitary Sewer, Storm Drain, etc. Proposed includes Contour, Sanitary Sewer, Storm Drain, etc.

LEGEND

Legend table for existing and proposed features. Existing includes Sanitary Sewer Manhole, Clean Out, Drainage Manhole, etc. Proposed includes Sanitary Sewer Manhole, Clean Out, Drainage Manhole, etc.

LEGEND

Legend table for existing and proposed features. Existing includes Sanitary Sewer Manhole, Clean Out, Drainage Manhole, etc. Proposed includes Sanitary Sewer Manhole, Clean Out, Drainage Manhole, etc.

UTILITIES NOTES:

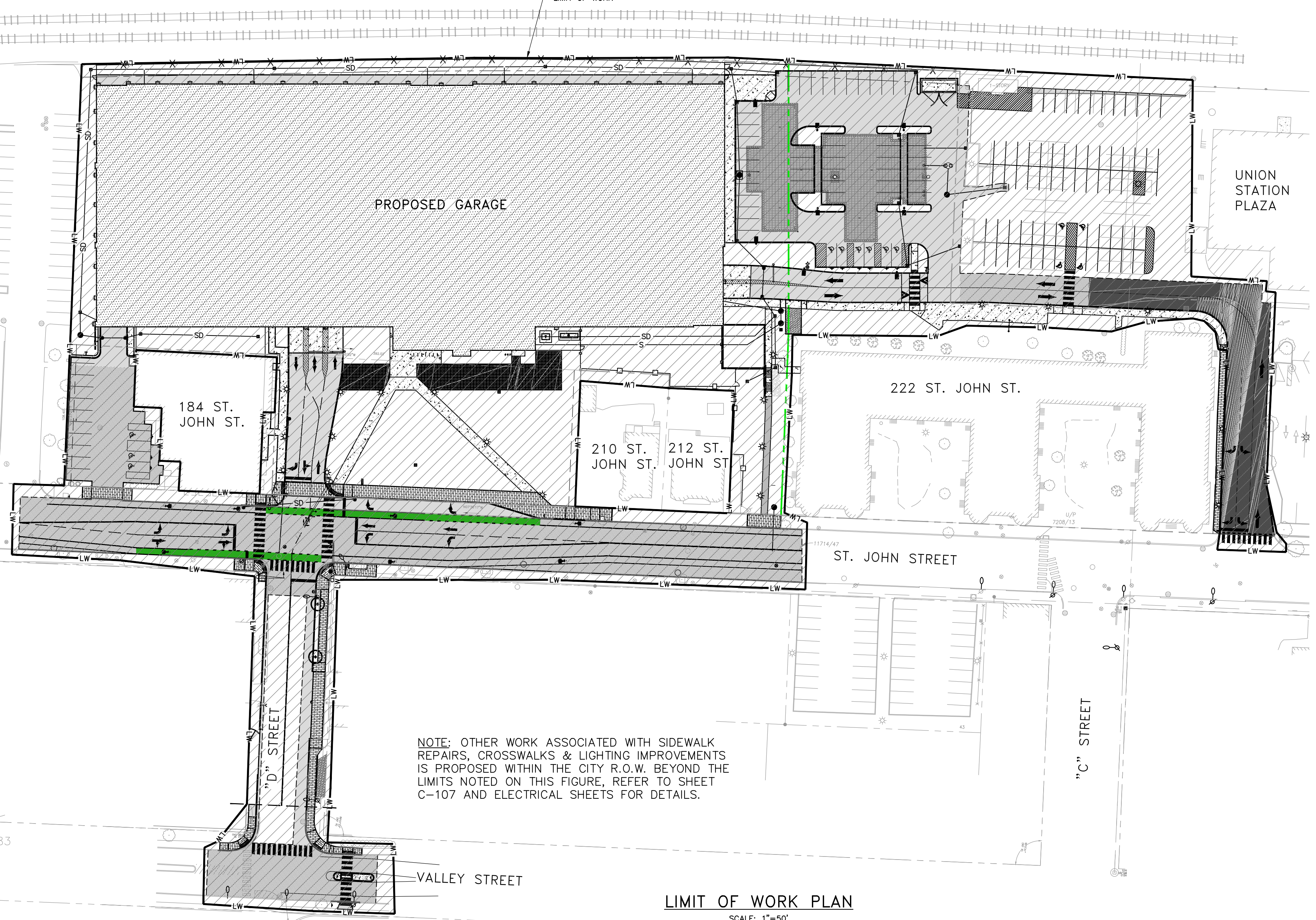
- 1. ALL PROPOSED UTILITIES (WATER, ELECTRIC, SANITARY, STORM SEWER, ETC.) AND THEIR CONNECTIONS, DISCONNECTION AND RELOCATION OF EXISTING UTILITIES SHALL BE COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF THE UTILITY COMPANY.

ABBREVIATIONS

Table of abbreviations and their meanings. Includes A.G. (Above Ground), BC (Bottom of Curb), CB (Catch Basin), etc.

LAYOUT AND MATERIALS NOTES:

- 1. ALL DIMENSIONS AND RADII ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.



NOTE: OTHER WORK ASSOCIATED WITH SIDEWALK REPAIRS, CROSSWALKS & LIGHTING IMPROVEMENTS IS PROPOSED WITHIN THE CITY R.O.W. BEYOND THE LIMITS NOTED ON THIS FIGURE, REFER TO SHEET C-107 AND ELECTRICAL SHEETS FOR DETAILS.

LIMIT OF WORK PLAN SCALE: 1"=50'

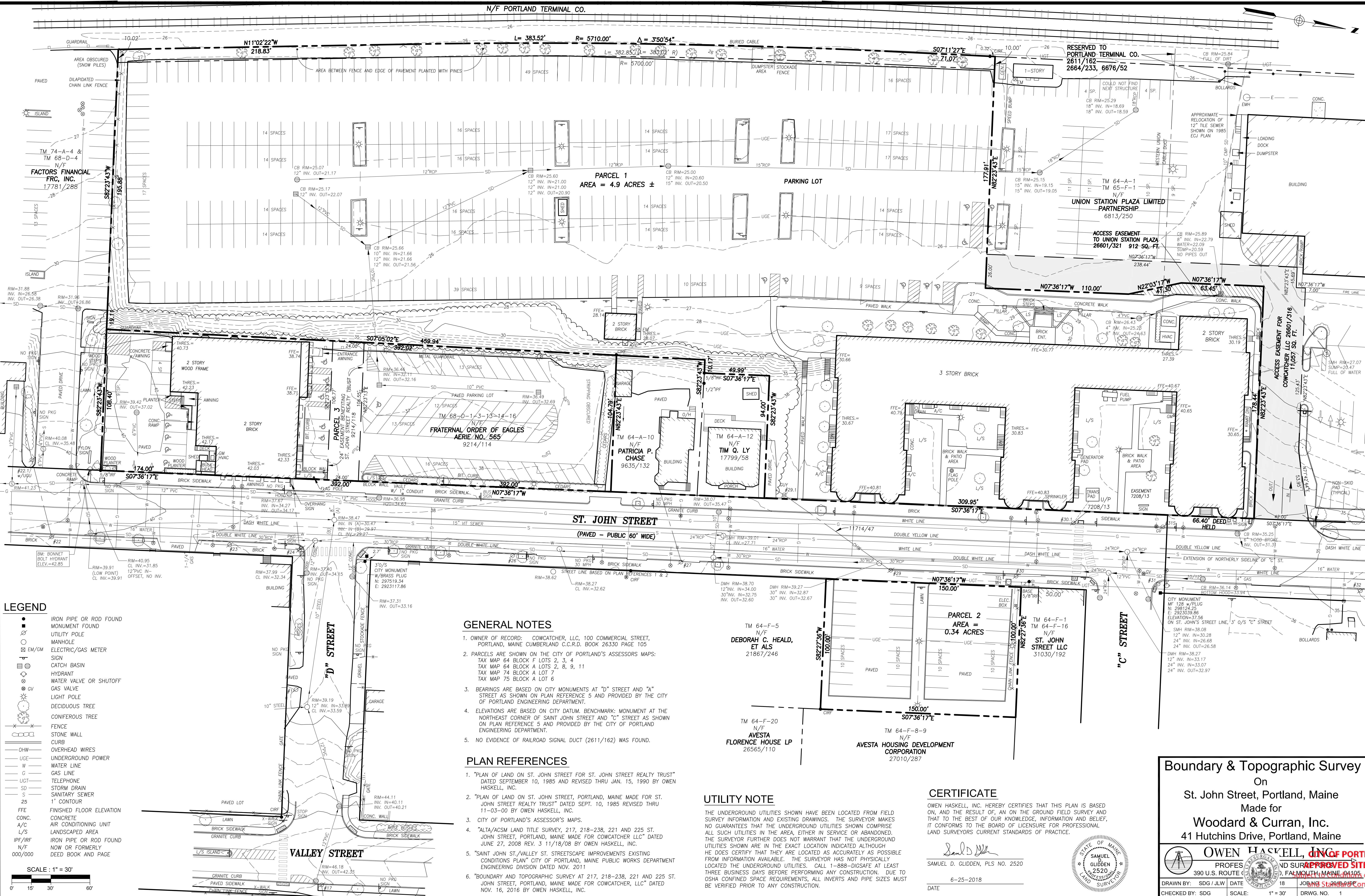
Professional seal and title block for David Senius, Professional Engineer, State of Maine, License No. 10001.

Revision table with columns: REV, DATE, DESCRIPTION, CHECKED BY, DESIGNED BY.

GENERAL NOTES, LEGEND SHEET INDEX & ABBREVIATIONS

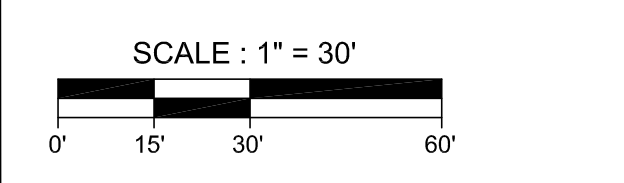
MAINE MEDICAL CENTER 22 BRAMHALL STREET PORTLAND, ME 04102 MWC ST. JOHN STREET EMPLOYEE PARKING GARAGE

City of Portland Approved Site Plan stamp, dated 9/11/18, project number 000207-2018, planner Neil Donaldson.



LEGEND

●	IRON PIPE OR ROD FOUND
■	MONUMENT FOUND
○	UTILITY POLE
○	MANHOLE
⊗	ELECTRIC/GAS METER
⊕	SIGN
⊖	CATCH BASIN
⊙	HYDRANT
⊕	WATER VALVE OR SHUTOFF
⊕	GAS VALVE
⊕	LIGHT POLE
⊕	DECIDUOUS TREE
⊕	CONIFEROUS TREE
⊕	FENCE
⊕	STONE WALL
⊕	CURB
—	OVERHEAD WIRES
—	UNDERGROUND POWER
—	WATER LINE
—	GAS LINE
—	TELEPHONE
—	STORM DRAIN
—	SANITARY SEWER
—	1' CONTOUR
—	FINISHED FLOOR ELEVATION
—	CONCRETE
—	A/C
—	AIR CONDITIONING UNIT
—	LANDSCAPED AREA
—	IRON PIPE OR ROD FOUND
—	NOW OR FORMERLY
—	DEED BOOK AND PAGE



GENERAL NOTES

- OWNER OF RECORD: COWCATCHER, LLC, 100 COMMERCIAL STREET, PORTLAND, MAINE CUMBERLAND C.C.R.D. BOOK 26330 PAGE 105
- PARCELS ARE SHOWN ON THE CITY OF PORTLAND'S ASSESSORS MAPS: TAX MAP 64 BLOCK F LOTS 2, 3, 4 TAX MAP 64 BLOCK A LOTS 2, 8, 9, 11 TAX MAP 74 BLOCK A LOT 7 TAX MAP 75 BLOCK A LOT 6
- BEARINGS ARE BASED ON CITY MONUMENTS AT "D" STREET AND "A" STREET AS SHOWN ON PLAN REFERENCE 5 AND PROVIDED BY THE CITY OF PORTLAND ENGINEERING DEPARTMENT.
- ELEVATIONS ARE BASED ON CITY DATUM. BENCHMARK: MONUMENT AT THE NORTHEAST CORNER OF SAINT JOHN STREET AND "C" STREET AS SHOWN ON PLAN REFERENCE 5 AND PROVIDED BY THE CITY OF PORTLAND ENGINEERING DEPARTMENT.
- NO EVIDENCE OF RAILROAD SIGNAL DUCT (2611/162) WAS FOUND.

PLAN REFERENCES

- "PLAN OF LAND ON ST. JOHN STREET FOR ST. JOHN STREET REALTY TRUST" DATED SEPTEMBER 10, 1985 AND REVISED THRU JAN. 15, 1990 BY OWEN HASKELL, INC.
- "PLAN OF LAND ON ST. JOHN STREET, PORTLAND, MAINE MADE FOR ST. JOHN STREET REALTY TRUST" DATED SEPT. 10, 1985 REVISED THRU 11-03-00 BY OWEN HASKELL, INC.
- CITY OF PORTLAND'S ASSESSOR'S MAPS.
- "ALTA/ACM LAND TITLE SURVEY, 217, 218-238, 221 AND 225 ST. JOHN STREET, PORTLAND, MAINE MADE FOR COWCATCHER LLC" DATED JUNE 27, 2008 REV. 3 11/18/08 BY OWEN HASKELL, INC.
- "SAINT JOHN ST./VALLEY ST. STREETScape IMPROVEMENTS EXISTING CONDITIONS PLAN" CITY OF PORTLAND, MAINE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION DATED NOV. 2011
- "BOUNDARY AND TOPOGRAPHIC SURVEY AT 217, 218-238, 221 AND 225 ST. JOHN STREET, PORTLAND, MAINE MADE FOR COWCATCHER, LLC" DATED NOV. 16, 2016 BY OWEN HASKELL, INC.

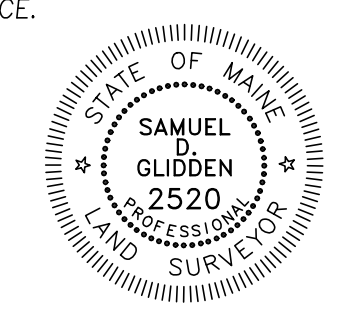
UTILITY NOTE

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. CALL 1-888-DIGSAFE AT LEAST THREE BUSINESS DAYS BEFORE PERFORMING ANY CONSTRUCTION. DUE TO OSHA CONFINED SPACE REQUIREMENTS, ALL INVERTS AND PIPE SIZES MUST BE VERIFIED PRIOR TO ANY CONSTRUCTION.

CERTIFICATE

OWEN HASKELL, INC. HEREBY CERTIFIES THAT THIS PLAN IS BASED ON, AND THE RESULT OF, AN ON THE GROUND FIELD SURVEY AND THAT TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF, IT CONFORMS TO THE BOARD OF LICENSURE FOR PROFESSIONAL LAND SURVEYORS CURRENT STANDARDS OF PRACTICE.

Samuel D. Glidden
 SAMUEL D. GLIDDEN, PLS NO. 2520
 6-25-2018
 DATE

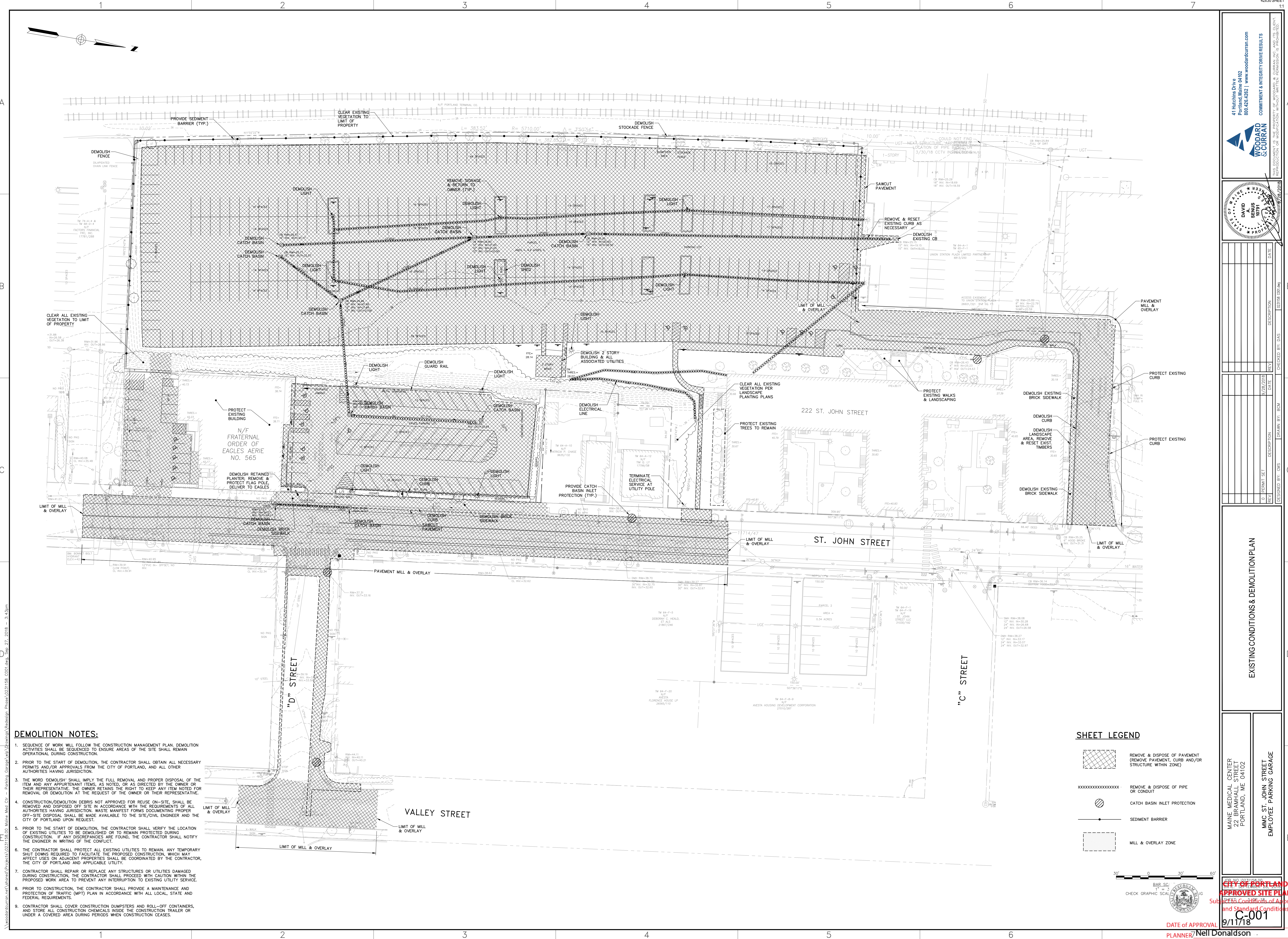


Boundary & Topographic Survey
 On
 St. John Street, Portland, Maine
 Made for
 Woodard & Curran, Inc.
 41 Hutchins Drive, Portland, Maine

OWEN HASKELL, INC.
 OF PORTLAND
 ND SURVEYORS
 390 U.S. ROUTE 1
 FALMOUTH, MAINE 04105
 (207) 833-1111
 www.owenhaskell.com

DRAWN BY: SDG/JLW DATE: 18
 CHECKED BY: SDG SCALE: 1" = 30' DRWG. NO. 1

DATE OF APPROVAL: 9/11/18
 PLANNER: Nell Donaldson

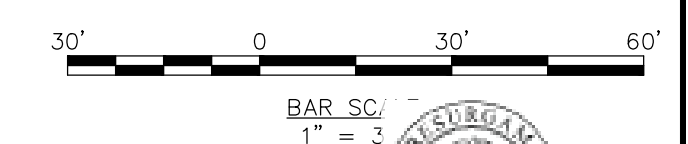


DEMOLITION NOTES:

1. SEQUENCE OF WORK WILL FOLLOW THE CONSTRUCTION MANAGEMENT PLAN. DEMOLITION ACTIVITIES SHALL BE SEQUENCED TO ENSURE AREAS OF THE SITE REMAIN OPERATIONAL DURING CONSTRUCTION.
2. PRIOR TO THE START OF DEMOLITION, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND/OR APPROVALS FROM THE CITY OF PORTLAND, AND ALL OTHER AUTHORITIES HAVING JURISDICTION.
3. THE WORD "DEMOLISH" SHALL IMPLY THE FULL REMOVAL AND PROPER DISPOSAL OF THE ITEM AND ANY APPURTENANT ITEMS, AS NOTED, OR AS DIRECTED BY THE OWNER OR THEIR REPRESENTATIVE. THE OWNER RETAINS THE RIGHT TO KEEP ANY ITEM NOTED FOR REMOVAL OR DEMOLITION AT THE REQUEST OF THE OWNER OR THEIR REPRESENTATIVE.
4. CONSTRUCTION/DEMOLITION DEBRIS NOT APPROVED FOR REUSE ON-SITE, SHALL BE REMOVED AND DISPOSED OFF-SITE IN ACCORDANCE WITH THE REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION. WASTE MANIFEST FORMS DOCUMENTING PROPER OFF-SITE DISPOSAL SHALL BE MADE AVAILABLE TO THE SITE/CIVIL ENGINEER AND THE CITY OF PORTLAND UPON REQUEST.
5. PRIOR TO THE START OF DEMOLITION, THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES TO BE DEMOLISHED OR TO REMAIN PROTECTED DURING CONSTRUCTION. IF ANY DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF THE CONFLICT.
6. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES TO REMAIN. ANY TEMPORARY SHUT DOWNS REQUIRED TO FACILITATE THE PROPOSED CONSTRUCTION, WHICH MAY AFFECT USES ON ADJACENT PROPERTIES SHALL BE COORDINATED BY THE CONTRACTOR, THE CITY OF PORTLAND AND APPLICABLE UTILITY.
7. CONTRACTOR SHALL REPAIR OR REPLACE ANY STRUCTURES OR UTILITIES DAMAGED DURING CONSTRUCTION. THE CONTRACTOR SHALL PROCEED WITH CAUTION WITHIN THE PROPOSED WORK AREA TO PREVENT ANY INTERRUPTION TO EXISTING UTILITY SERVICE.
8. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE A MAINTENANCE AND PROTECTION OF TRAFFIC (MPT) PLAN IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS.
9. CONTRACTOR SHALL COVER CONSTRUCTION DUMPSTERS AND ROLL-OFF CONTAINERS, AND STORE ALL CONSTRUCTION CHEMICALS INSIDE THE CONSTRUCTION TRAILER OR UNDER A COVERED AREA DURING PERIODS WHEN CONSTRUCTION CEASES.

SHEET LEGEND

- REMOVE & DISPOSE OF PAVEMENT (REMOVE PAVEMENT, CURB AND/OR STRUCTURE WITHIN ZONE)
- REMOVE & DISPOSE OF PIPE OR CONDUIT
- CATCH BASIN INLET PROTECTION
- SEDIMENT BARRIER
- MILL & OVERLAY ZONE

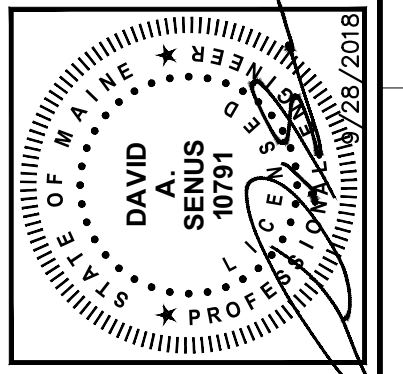


41 Hutchins Drive
Portland, Maine 04102
800.426.4282 | www.woodwardcurran.com

**WOODWARD
& CURRAN**

COMMITMENT & INTEGRITY DRIVE RESULTS

REPRODUCTION OR MODIFICATION OF THIS DOCUMENTATION WITHOUT THE WRITTEN PERMISSION OF WOODWARD & CURRAN IS PROHIBITED.



NO.	DATE	DESCRIPTION	BY	CHKD
1	02/28/2018	PERMIT SET	DA	DA
2	03/08/2018	DESIGNED BY: DAS	DA	DA

NO.	DATE	DESCRIPTION	BY	CHKD
1	02/28/2018	EXISTING CONDITIONS & DEMOLITION PLAN	DA	DA

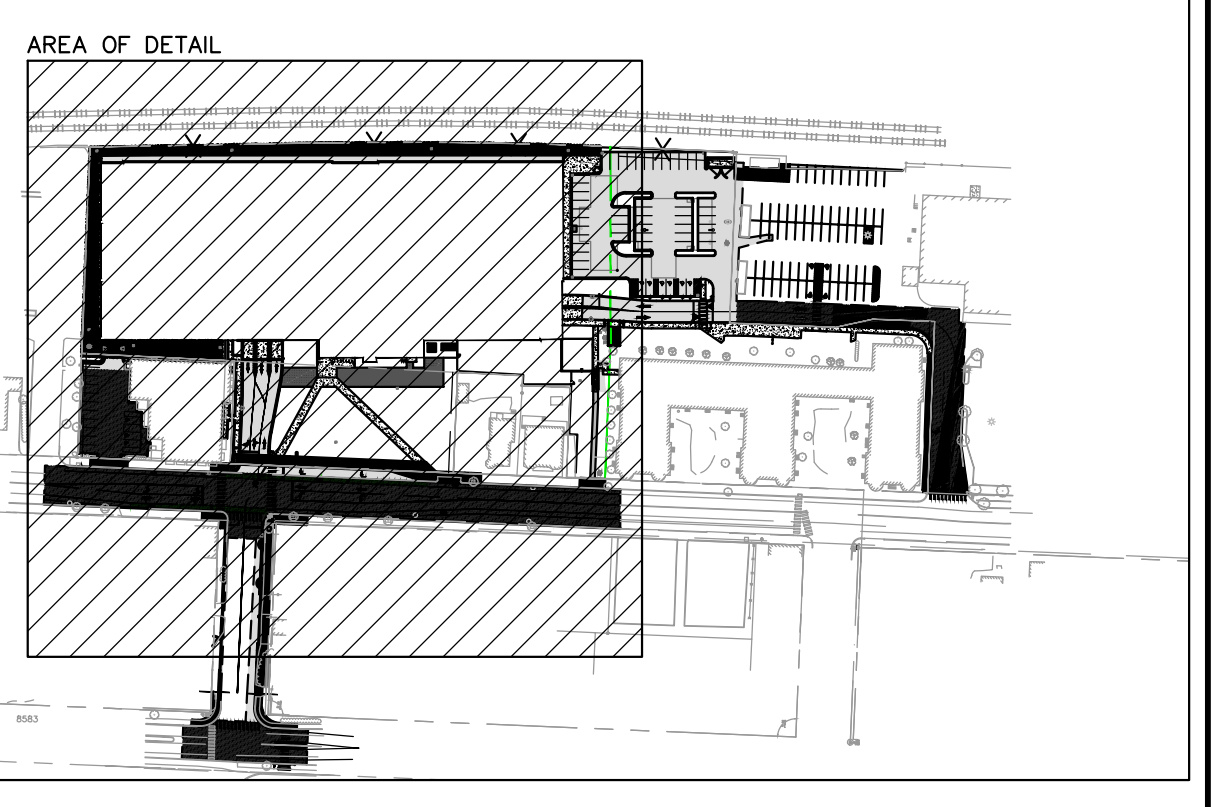
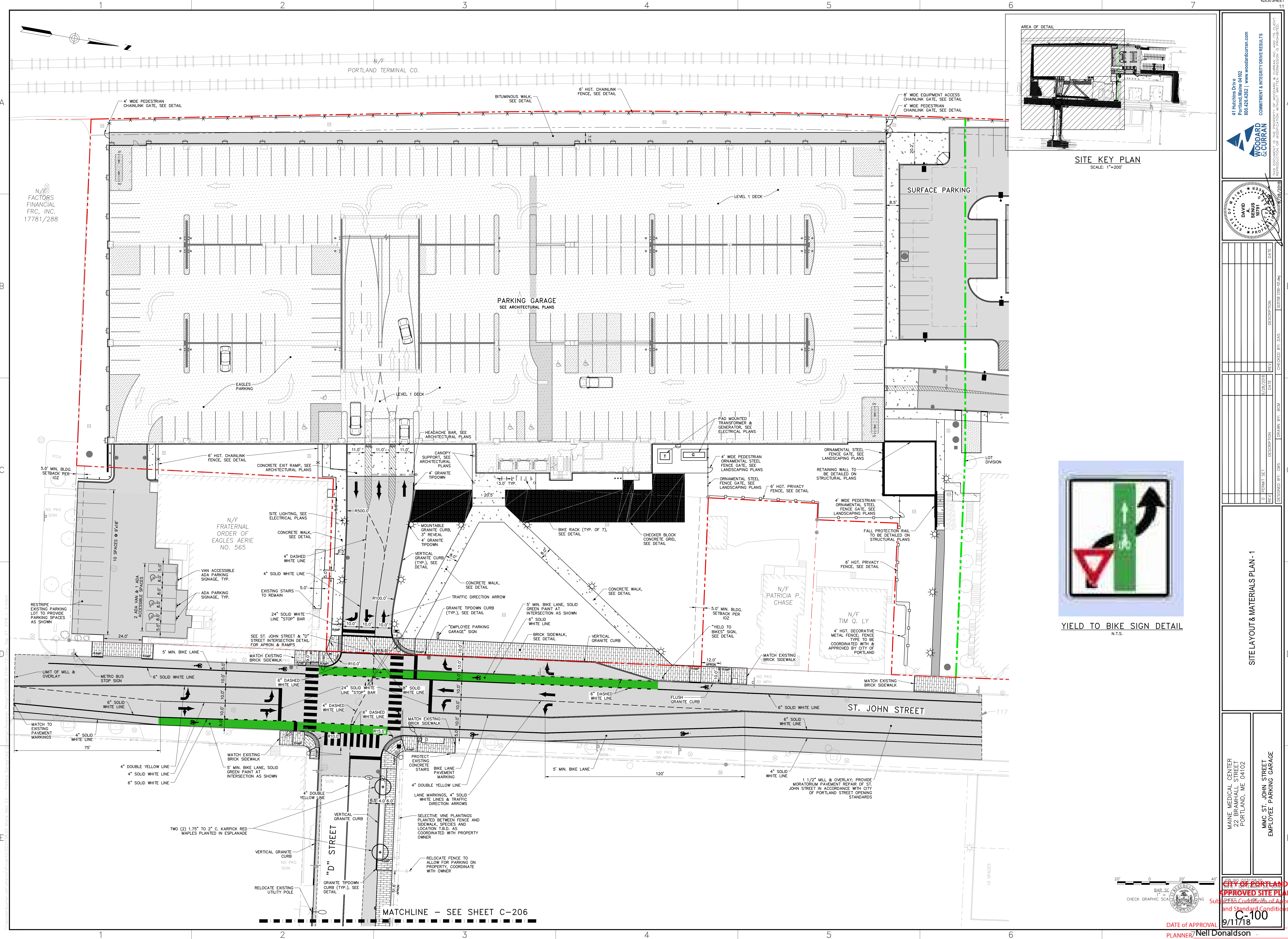
MAINE MEDICAL CENTER
BRANCHALL STREET
PORTLAND, ME 04102

MVC ST. JOHN STREET
EMPLOYEE PARKING GARAGE

CITY OF PORTLAND
APPROVED SITE PLAN
Submittal Conditions of Approval
and Standard Conditions

C-001
9/11/18

DATE OF APPROVAL
PLANNER: Neil Donaldson
PROJECT NO. 000207-2018



SITE KEY PLAN
SCALE: 1"=200'



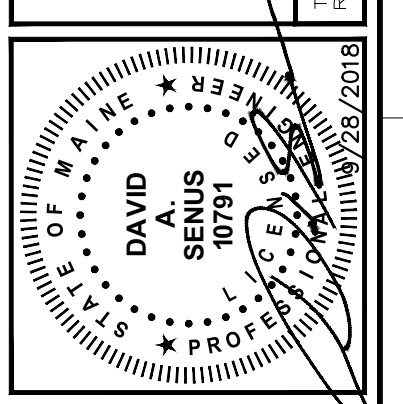
YIELD TO BIKE SIGN DETAIL
N.T.S.

41 Hutchins Drive
Portland, Maine 04102
800.426.4282 | www.woodwardcurran.com

WOODWARD CURRAN

COMMITMENT & INTEGRITY DRIVE RESULTS

REPRODUCTION OR MODIFICATION WITHOUT WRITTEN PERMISSION IS PROHIBITED.



NO.	DATE	DESCRIPTION	BY	CHKD.
1	8/28/2018	PERMIT SET	DAVID A. SENUS	
2				
3				
4				
5				
6				
7				
8				
9				
10				

DESIGNED BY: DAS
DRAWN BY: BDA
CHECKED BY: DAS

SITE LAYOUT & MATERIALS PLAN - 1

MAINE MEDICAL CENTER
BRANHALL STREET
PORTLAND, ME 04102

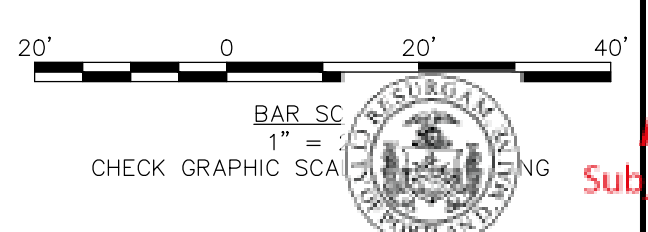
**MHC ST. JOHN STREET
EMPLOYEE PARKING GARAGE**

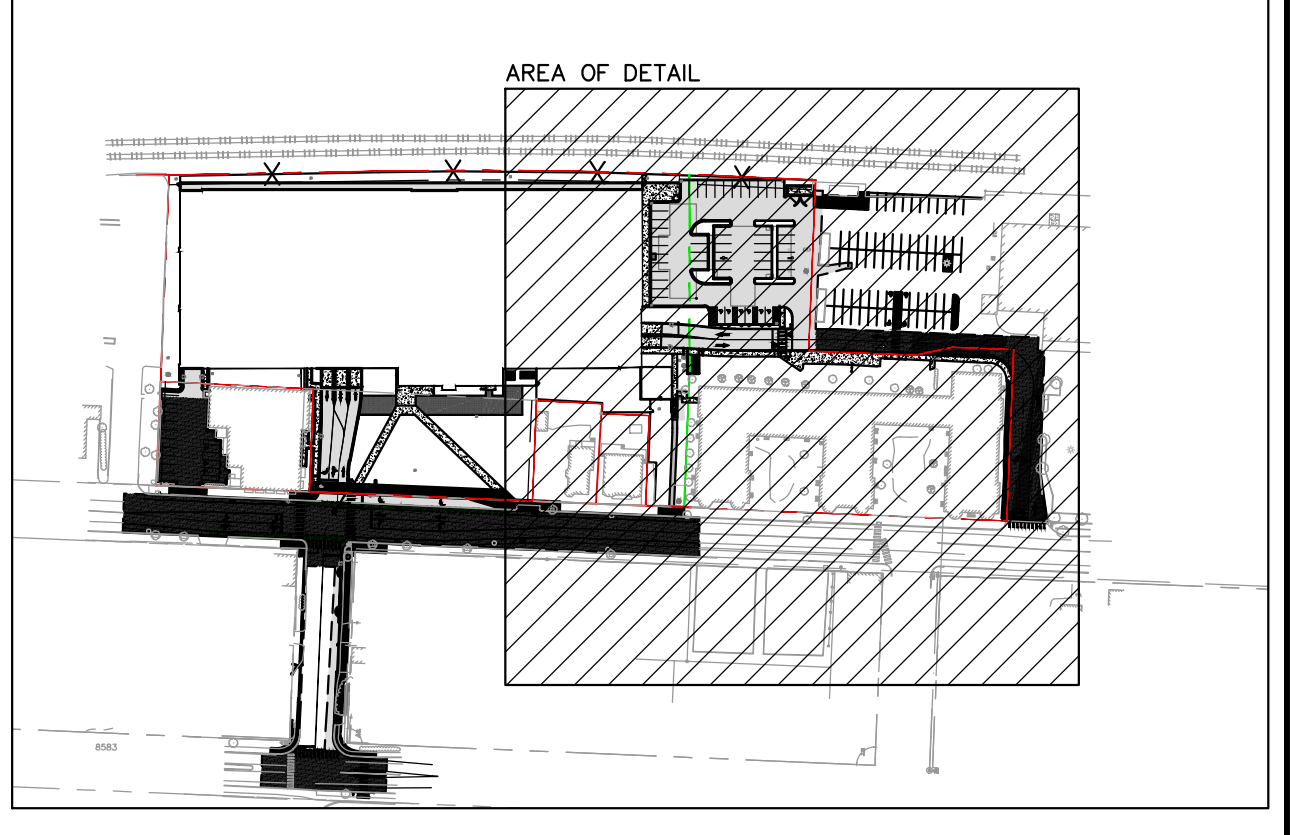
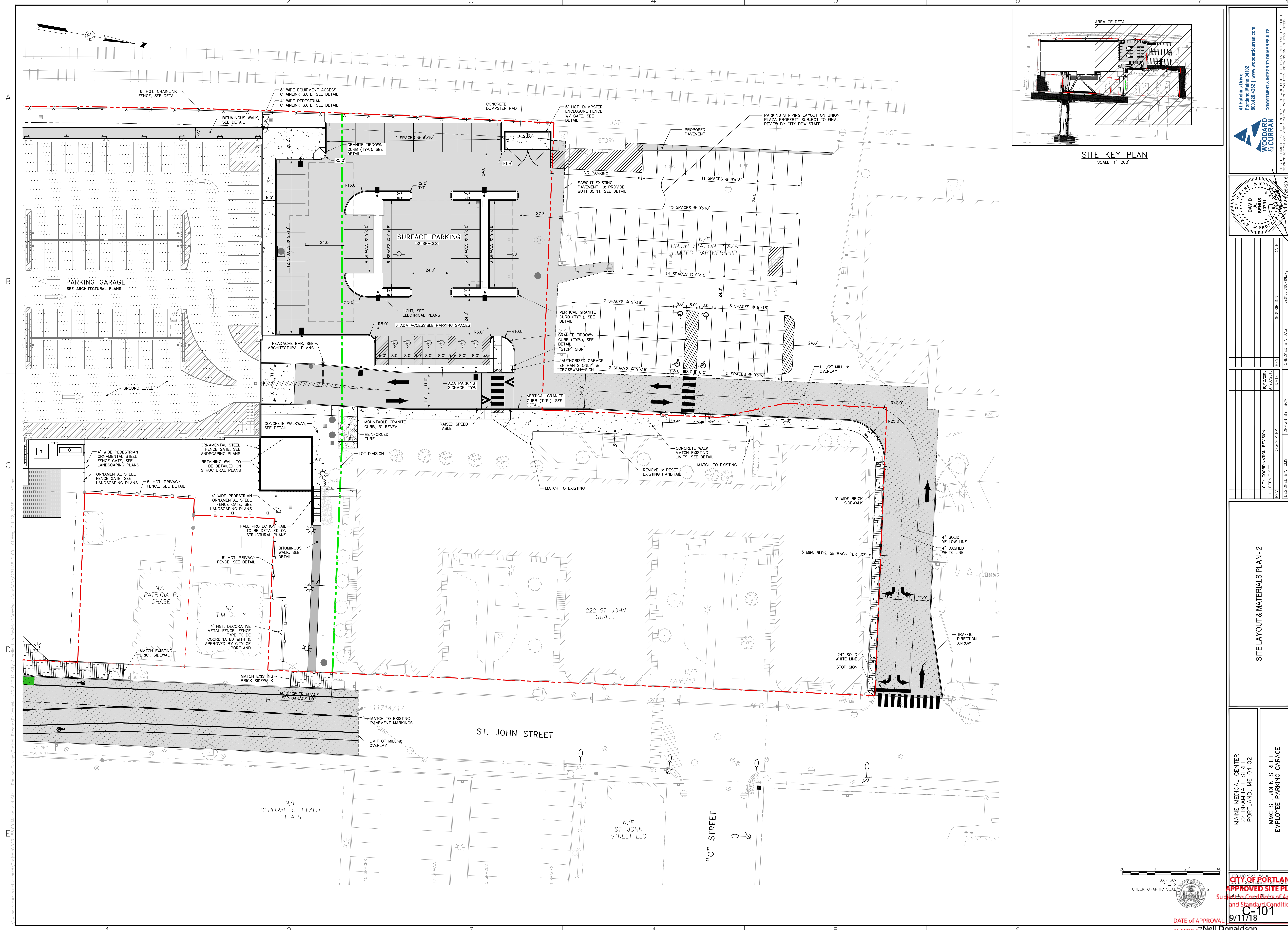
DATE OF APPROVAL: 9/11/18
PLANNER: Neil Donaldson
PROJECT NO.: 000207-2018

CITY OF PORTLAND
APPROVED SITE PLAN
SUBJECT TO THE CITY'S CONDITIONS OF APPROVAL
AND STANDARD CONDITIONS

C-100

9/11/18



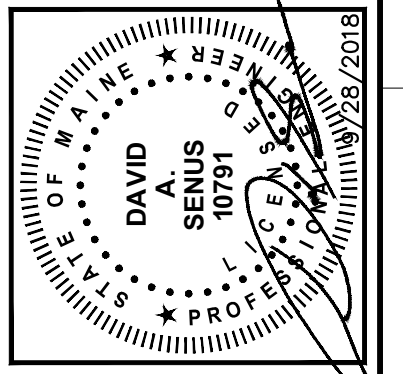


41 Hutchins Drive
Portland, Maine 04102
800.426.4262 | www.woodscorran.com

**WOODS
SCORRAN**

COMMITMENT & INTEGRITY DRIVE RESULTS

PROFESSIONAL ENGINEER
REPRODUCTION OR MODIFICATION WITHOUT WRITTEN PERMISSION IS PROHIBITED.
DATE: 07/28/2018



NO.	DATE	DESCRIPTION	BY	CHKD.
1	10/12/2018	CITY CORRELATION REVISION	DAVID SINUS	DAVID SINUS
2	07/28/2018	PERMIT SET	DAVID SINUS	DAVID SINUS

DESIGNED BY: GUS
DRAWN BY: BOB
CHECKED BY: DAS

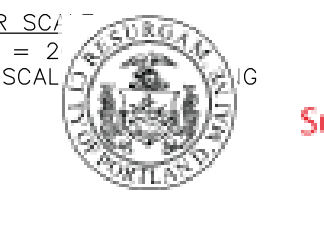
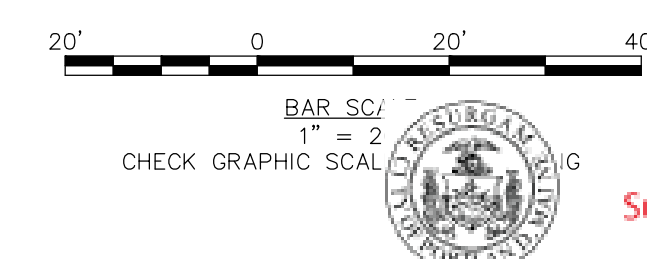
SITE LAYOUT & MATERIALS PLAN - 2

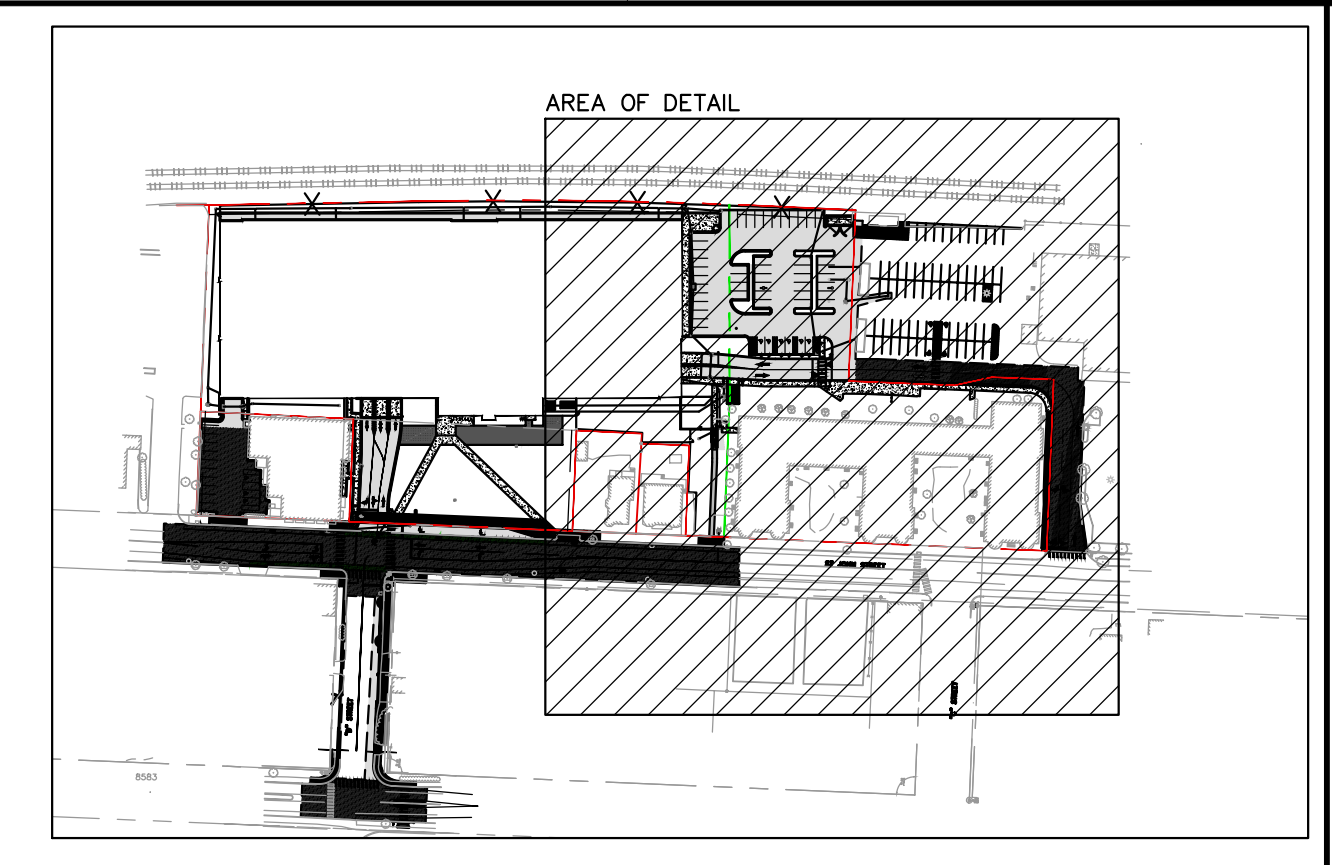
MAINE MEDICAL CENTER
BRANFALL STREET
PORTLAND, ME 04102

MMC ST. JOHN STREET
EMPLOYEE PARKING GARAGE

CITY OF PORTLAND
APPROVED SITE PLAN
Submittal Sheets Conditions of Approval
and Standard Conditions

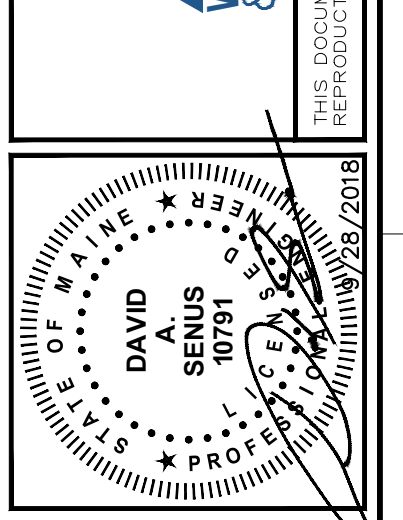
C-101
DATE OF APPROVAL 9/11/18
PLANNER Neil Donaldson
PROJECT NO. 000207-2018





SITE KEY PLAN
SCALE: 1"=200'

41 Hutchins Drive
Portland, Maine 04102
800.426.4282 | www.woodwardclay.com

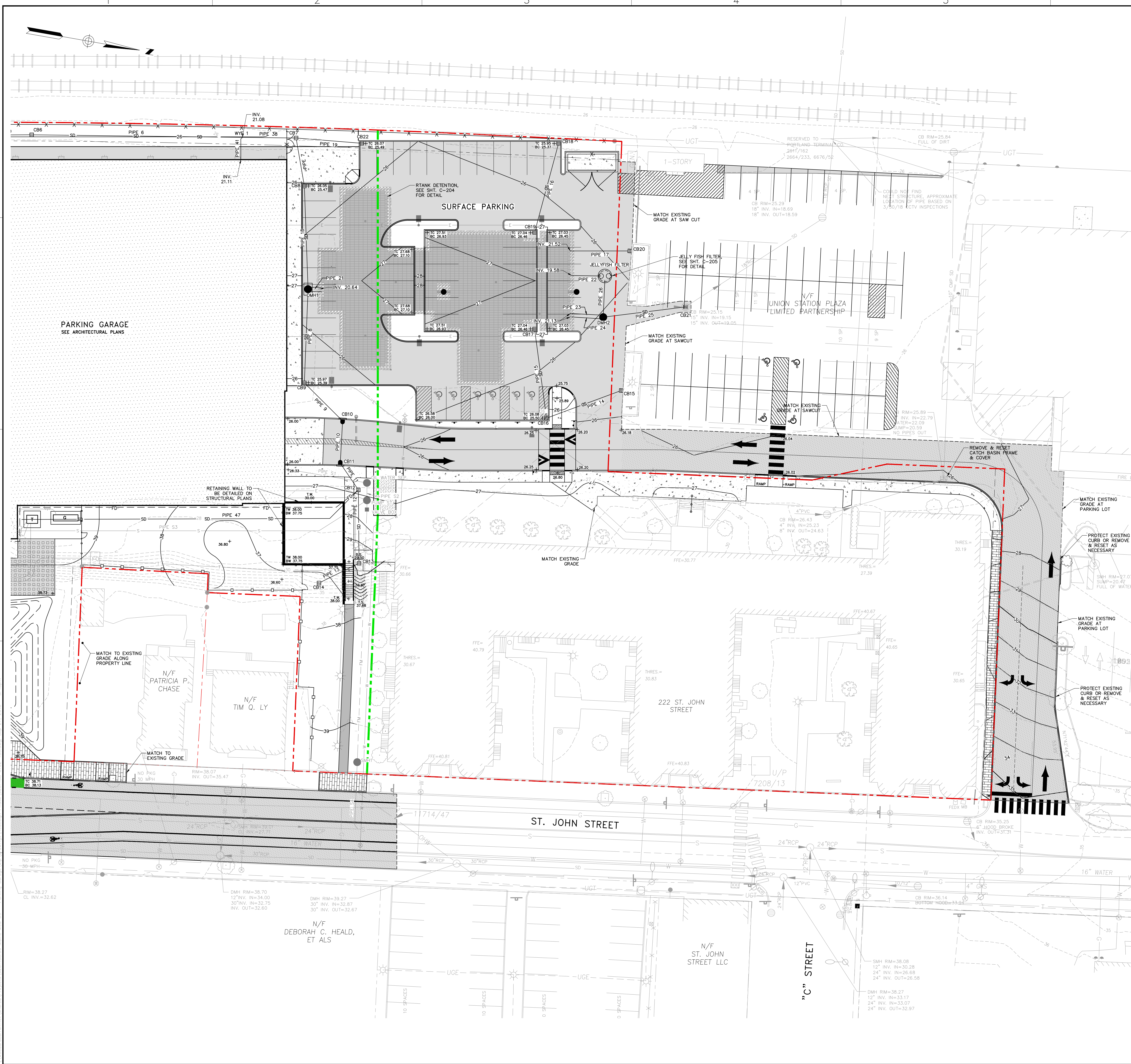


NO.	DATE	DESCRIPTION	BY	CHKD.
1	02/28/2018	PERMIT SET	DAW	DAW
2	03/05/2018	REVISION	DAW	DAW

GRADING & DRAINAGE PLAN - 2

MAINE MEDICAL CENTER
BRANFALL STREET
PORTLAND, ME 04102

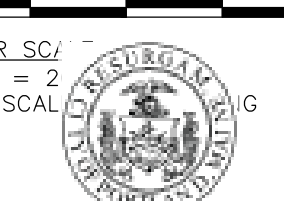
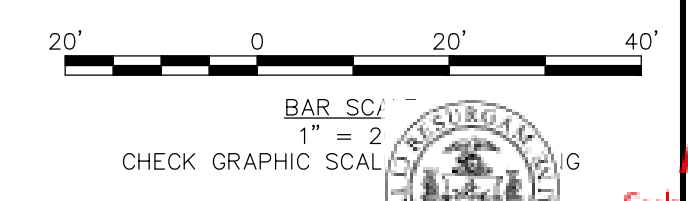
MHC ST. JOHN STREET
EMPLOYEE PARKING GARAGE



STRUCTURE TABLE						
NAME	DIA.	RIM	SUMP DEPTH	INV. IN./SIZE/FROM	INV. OUT./SIZE/TO	
CB6	4'	25.80	2'	21.32/18"SD/WYE 2	21.22/18"SD/WYE 1	
CB7	4'	26.00	2'	21.05/18"SD/WYE 1	20.95/18"SD/CB8	
CB8	4'	25.47	2'	20.92/18"SD/CB7	20.82/18"SD/DMH1	
CB9	4'	25.39	2'	21.27/15"SD/CB10	21.17/15"SD/DMH1	
CB10	4'	25.47	2'	21.43/15"SD/CB11	21.33/15"SD/CB9	
CB11	4'	25.48	2'	21.58/10"SD/CB12	21.48/15"SD/CB10	
CB12	4'	29.02	2'	21.73/10"SD/CB13	21.63/10"SD/CB11	
CB13	4'	29.80	2'	24.93/10"SD/CB14	24.83/10"SD/CB12	
CB14	4'	36.50	2'	25.00/10"SD/CB15	25.00/10"SD/CB13	
CB15	4'	25.74	2'	21.97/10"SD/CB16	21.87/10"SD/CB14	
* CB16	4'	25.50	2'	21.85/10"SD/CB15	21.75/10"SD/CB17	
CB17	4'	26.46	2'	21.51/10"SD/CB16	21.41/ * /RTANK 3	
* CB18	4'	25.37	2'	21.65/10"SD/CB19	21.55/10"SD/CB17	
CB19	4'	26.46	2'	21.50/10"SD/CB18	21.40/ * /RTANK 2	
CB20	4'	25.74	2'	21.74/10"SD/	21.64/10"SD/CB17	
CB21	4'	25.15	2'	19.15/18"SD/DMH2	19.05/18"RCP/	
CB22	4'	25.49	2'	21.89/10"SD/CB7	21.79/10"SD/CB15	
DMH1	4'x6'	28.43	2'	21.05/15"SD/CB9	20.75/18"SD/CB8	20.65/18"SD/RTANK 1
DMH2	8'	25.92	2'	19.30/15"SD/JELLYFISH FILTER	19.20/15"SD/RTANK 6	19.20/18"SD/CB21
JELLYFISH FILTER	4'	26.24	2'	19.58/15"SD/RTANK 4	19.34/15"SD/DMH2	

PIPE TABLE			
PIPE NAME	SIZE	LENGTH	SLOPE
PIPE 6	18" SD	111'	0.0012
PIPE 7	18" SD	22'	0.0012
PIPE 8	15" SD	45'	0.0022
PIPE 9	15" SD	25'	0.0022
PIPE 10	15" SD	19'	0.0022
PIPE 11	10" SD	13'	0.0028
PIPE 12	10" SD	35'	0.0785
PIPE 13	10" SD	20'	0.0030
PIPE 14	10" SD	39'	0.0028
PIPE 15	10" SD	44'	0.0050
PIPE 16	10" SD	46'	0.0030
PIPE 17	10" SD	30'	0.0069
PIPE 18	18" SD	51'	0.0012
PIPE 19	10" SD	32'	0.0077
PIPE 21	18" SD	5'	0.0000
PIPE 22	15" SD	17'	0.0000
PIPE 23	15" SD	14'	0.1082
PIPE 24	15" SD	14'	0.1086
PIPE 25	18" SD	39'	0.0012
PIPE 26	15" SD	16'	0.0015
PIPE 31	18" SD	115'	0.0012
PIPE 38	18" SD	28'	0.0012
PIPE 41	12" SD	12'	0.0022

*NOTE - R TANK INLET STRUCTURES CONNECT DIRECTLY TO TANK STRUCTURES



CITY OF PORTLAND
APPROVED SITE PLAN
Submittal Conditions of Approval
and Standard Conditions

C-103
9/11/18

DATE OF APPROVAL
PLANNER: Neil Donaldson
PROJECT NO. 000207-2018

EROSION AND SEDIMENT CONTROL NOTES

Temporary Erosion Control

Contractor shall prepare and submit a soil erosion and water pollution control plan to engineer in accordance with section 656.

Measure	Dates For Use	Timing, Activity, and Location
Sedimentation Barrier	ALL	Before soil disturbance, install downhill of areas to be disturbed and around material stockpiles.
Up-slope Diversion	ALL	Before soil disturbance, install uphill of areas to be disturbed and around material stockpiles.
Catch Basin Protection	ALL	Before soil or pavement disturbance, install ACF Environmental, Inc. High Flow Siltsock, Silt-saver Inlet Filter, or equal, installed per manufacturer's requirements.
Dust Control	ALL	During dry weather, apply water and calcium chloride to control dust.
Temporary Seeding	April 15 to Oct. 1	Soil stockpiles that are not covered and disturbed areas that will not be disturbed again within 14 days, if grass growth provides less than 95% soil coverage by Nov. 1, apply mulch and anchor with erosion control blanket.
Mulch	April 15 to Sept. 15	On all areas of exposed soil prior to rain events or every 7 days, apply 100-150 lbs (2.5 bales) per 1,000 sq. ft. by mechanical blower.
Winter Mulch	Sept. 16 to Oct. 31 Nov. 1 to April 14	On all areas of exposed soil prior to precipitation or every 7 days, apply 150 to 170 lbs. mulch (4 bales) per 1,000 sq. ft. by mechanical blower. Erosion control blanket may be used as a substitute for winter mulch. On all areas of exposed soil, apply 150 to 170 lbs. mulch (4 bales) per 1,000 sq. ft. and anchor with netting at the end of each seeding day. Erosion control blanket may be used as a substitute for winter mulch.
Inspections	Until site is permanently stabilized	Inspect the erosion and sedimentation control measures daily, and maintain and repair as necessary.

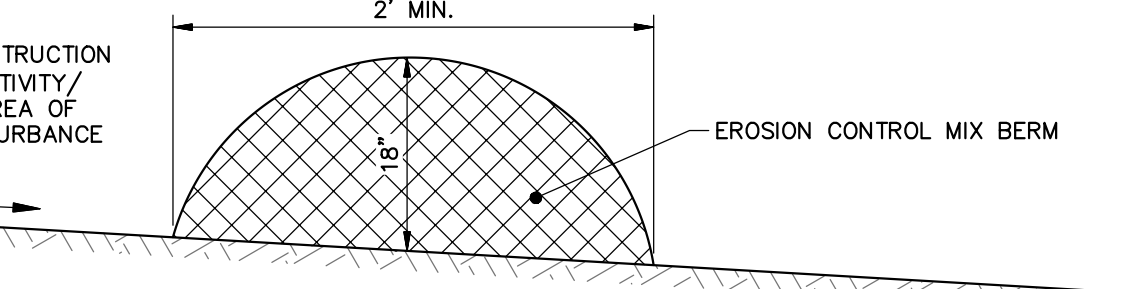
Permanent Erosion Control:

Measure	Dates For Use	Timing, Activity, and Location
Pavement - Base Course - Final Course	When no frost is in ground	Install only in areas shown on the plan, shortly after completion of project.
Permanent Seeding	April 15 to Sept. 15	On final grade areas, within 7 days of grade preparation, prepare topsoil, followed by seed and mulch application.
Dormant Seeding	Sept. 16 to April 15	On final grade areas, with prepared topsoil. Apply seed at double the specified rate on bare soil, and follow with an application of winter mulch.
Ground Cover, Trees, Shrubs	April 15 to Nov. 1	Install with final landscaping.
Permanent Mulch	ALL	Install with final landscaping.

Inspections:

Regular inspections of all erosion and sedimentation controls shall be made at least weekly and prior to and following storm events. Minimum inspections shall be made as listed in the table below.

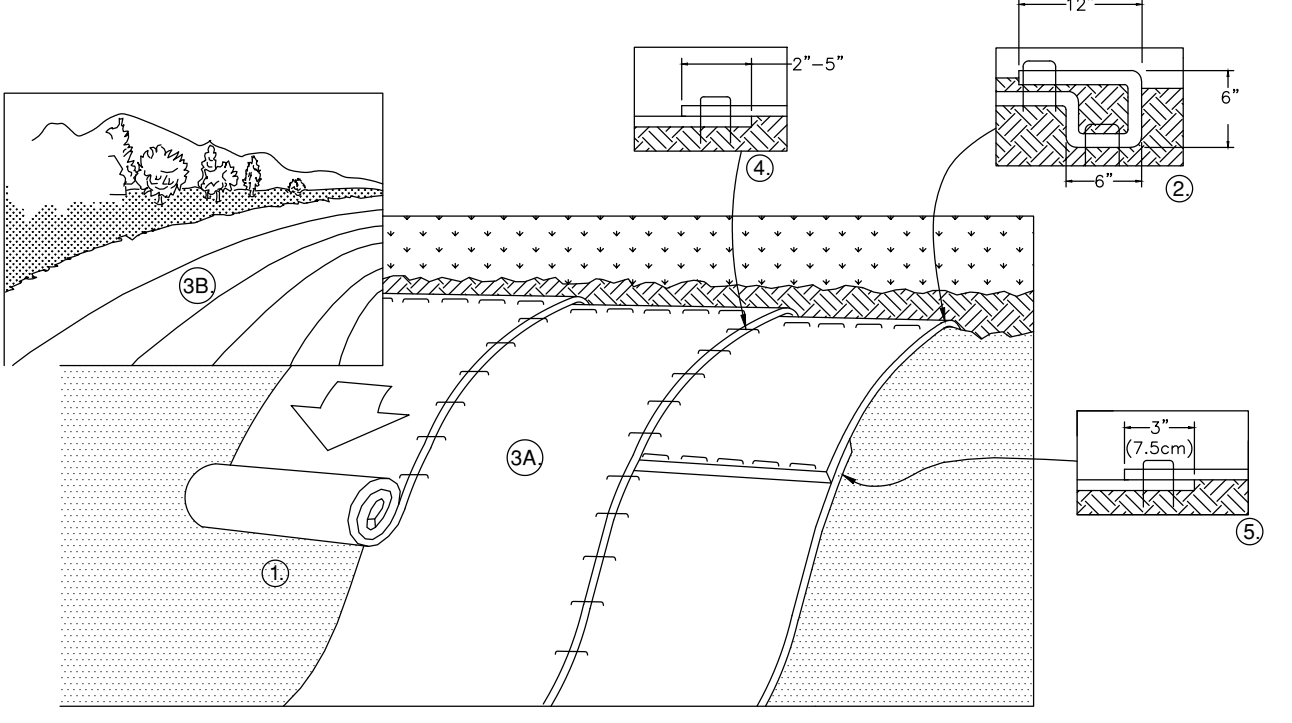
Inspected Item	Look For
Mulched Surfaces	Thin mulch or inadequate application. Wind movement.
Seeded Surfaces	Poor seed germination. Loss of mulch. Development of riviulets.
Sediment Barrier	Sediment build-up to one half the height of the barrier. Undermining of the barrier. Supporting stakes loose, toppled, or unmarked. Breaks in barrier.
Perimeter Diversion	Discharge is to stabilized area. Erosion or breaks in barrier. Supporting stakes loose, toppled or unmarked.
Catch Basin Protection	Sediment build-up and structure blockages. Slow flow/ponding water. Breaks in fabric or voids in barrier.
Dewatering Filter	Breaks in fabric or supporting structure. Slow flow, indicating high sediment build-up.
Construction Entrance	Sedimentation of roadways. Off-site dust complaints.



- NOTES:**
- EROSION CONTROL MIX CAN BE MANUFACTURED ON OR OFF THE PROJECT SITE. IT MUST CONSIST PRIMARILY OF ORGANIC MATERIAL AND MAY INCLUDE: SHREDDED BARK, STUMP GRINDINGS, COMPOSTED BARK, OR ACCEPTABLE MANUFACTURED PRODUCTS. WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS OR REPROCESSED WOOD PRODUCTS WILL NOT BE ACCEPTABLE AS THE ORGANIC COMPONENT OF THE MIX.
 - EROSION CONTROL MIX SHALL CONTAIN A WELL-GRADED MIXTURE OF PARTICLE SIZES AND MAY CONTAIN ROCKS LESS THAN 4" IN DIAMETER. EROSION CONTROL MIX MUST BE FREE OF REFUSE, PHYSICAL CONTAMINANTS, AND MATERIAL TOXIC TO PLANT GROWTH. THE MIX COMPOSITION SHALL MEET THE FOLLOWING STANDARDS:
 - THE ORGANIC MATTER CONTENT SHALL BE BETWEEN 80 AND 100% DRY WEIGHT BASIS.
 - PARTICLE SIZE BY WEIGHT SHALL BE 100% PASSING A 6" SCREEN AND A MINIMUM OF 70% MAXIMUM OF 85% PASSING A 0.75" SCREEN.
 - THE ORGANIC PORTION NEEDS TO BE FIBROUS AND ELONGATED.
 - LARGE PORTIONS OF SILTS, CLAYS OR FINE SANDS ARE NOT ACCEPTABLE IN THE MIX.
 - SOLUBLE SALTS CONTENT SHALL BE < 4.0 MMHOS/CM.
 - THE PH SHOULD FALL BETWEEN 5.0 AND 8.0.

EROSION CONTROL MIX BERM

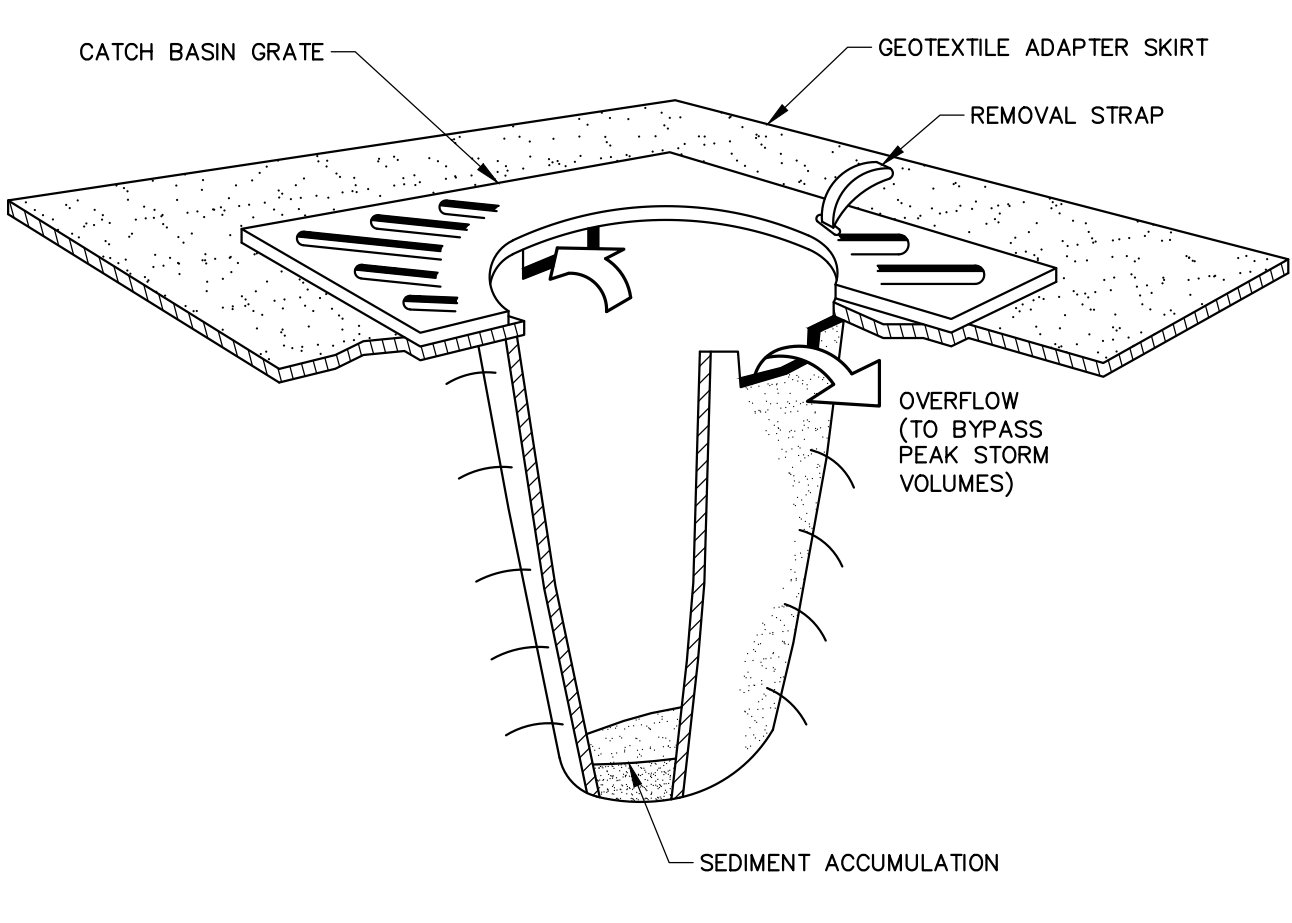
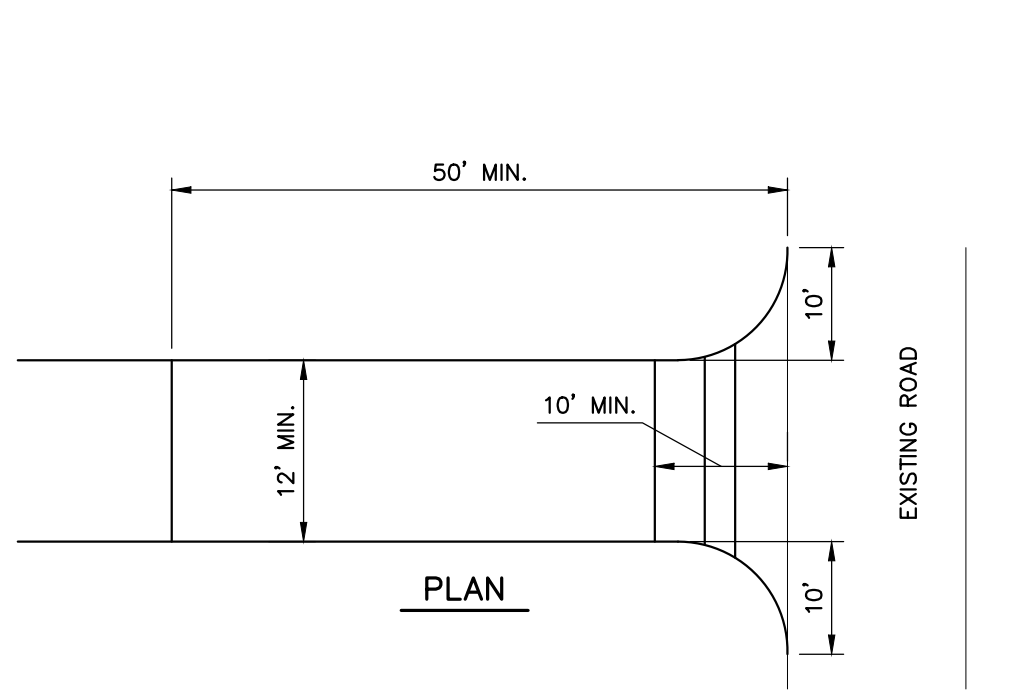
N.T.S.



- PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP'S), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED AS WELL AS REMOVING ANY PROTRUDING ROCKS, STUMPS OR ROOTS. DURING THE GROWING SEASON (APRIL 15 - SEPTEMBER 15) USE RECP'S ON THE BASE OF GRASSED WATERWAYS. SOIL SLOPES HAVING A GRADE GREATER THAN 15%, OR ANYWHERE WHERE HAY MULCH HAS PROVEN TO BE INEFFECTIVE AT CONTROLLING SHEET EROSION. RECP'S ARE A MANUFACTURED COMBINATION OF MULCH AND NETTING DESIGNED TO PREVENT EROSION AND RETAIN SOIL MOISTURE. FOR OVER WINTER PROTECTION, APPLY RECP'S ON THE BASE AND SIDE SLOPES OF GRASSED WATERWAYS AND ON SLOPES STEEPER THAN AN 8:1 GRADE.
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" DEEP X 4" WIDE TRENCH WITH APPROXIMATELY 12" OF RECP'S EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE RECP'S.
- ROLL THE RECP'S (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. RECP'S WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
- THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2" - 5" OVERLAP DEPENDING ON RECP'S TYPE.
- CONSECUTIVE RECP'S SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLES THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE RECP'S WIDTH. NOTE: *IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE RECP'S.
- UNTIL GRASS IS ABUNDANT, INSPECT PERIODICALLY AND AFTER EACH RAINSTORM TO CHECK FOR EROSION. IMMEDIATELY REPAIR AND ADD MORE MULCH UNTIL GRASSES ARE FIRMLY ESTABLISHED. DO NOT MOW THE FIRST YEAR.

ROLLED EROSION CONTROL MATTING

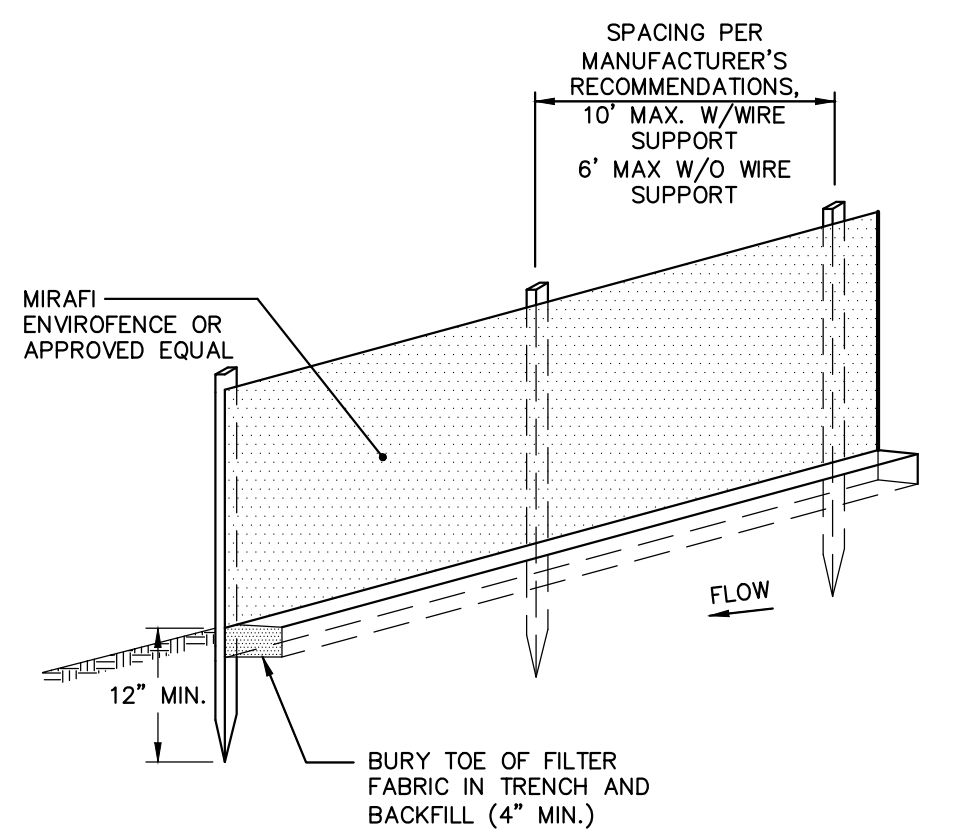
N.T.S.



- NOTES:**
- CATCH BASIN PROTECTION TO BE "SILT-SACK" (BY ACF ENVIRONMENTAL) OR "STREAM GUARD" (BY FOSS ENVIRONMENTAL SERVICES).
 - INSERT TO BE EMPTIED IN AN APPROVED MANNER WHEN IT IS 1/2 FULL OF SEDIMENT.
 - INSPECT INSERT AFTER ALL RAINFALL EVENTS, REPAIR AND MAINTAIN AS REQUIRED.

TEMPORARY INLET PROTECTION

N.T.S.



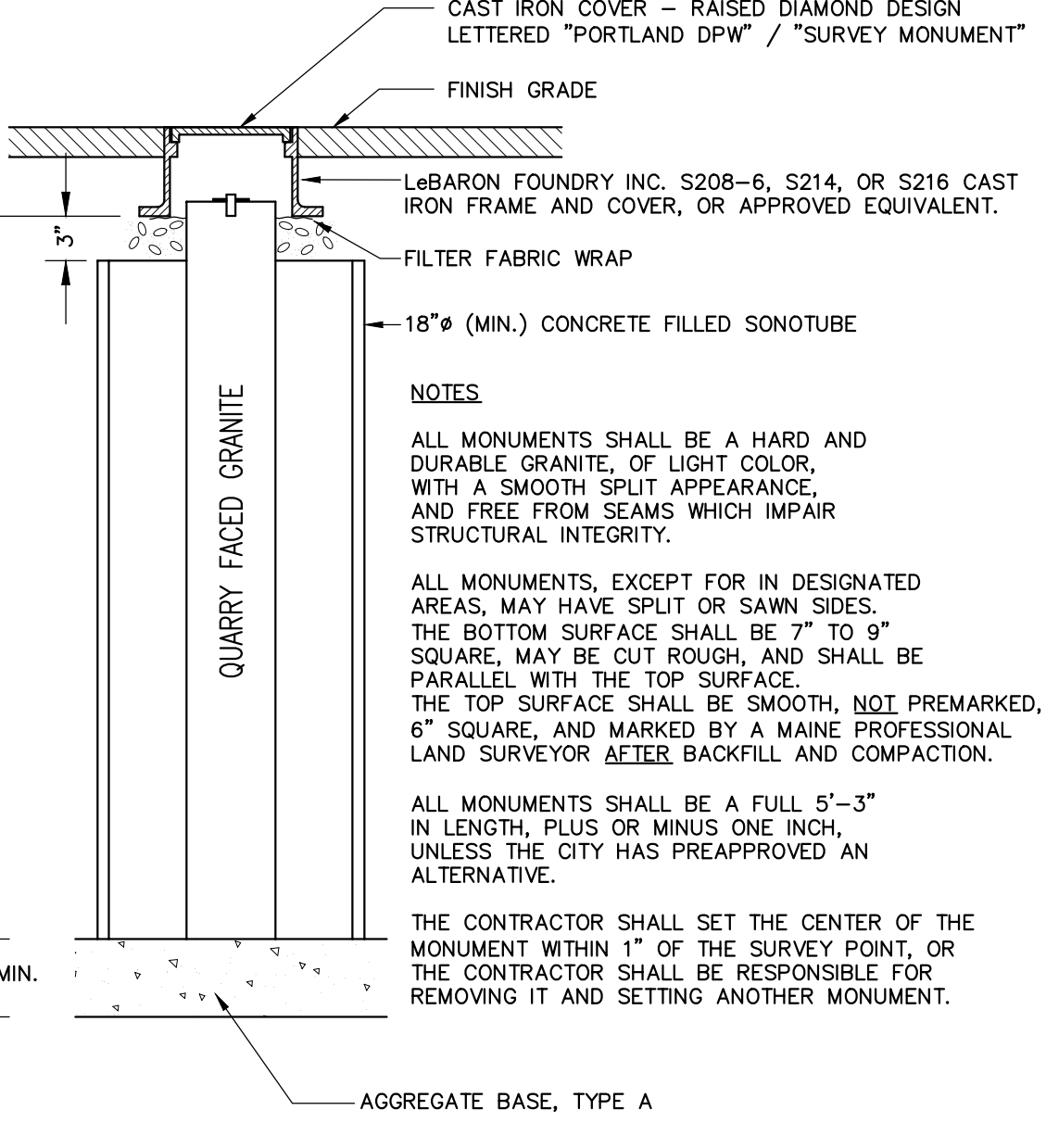
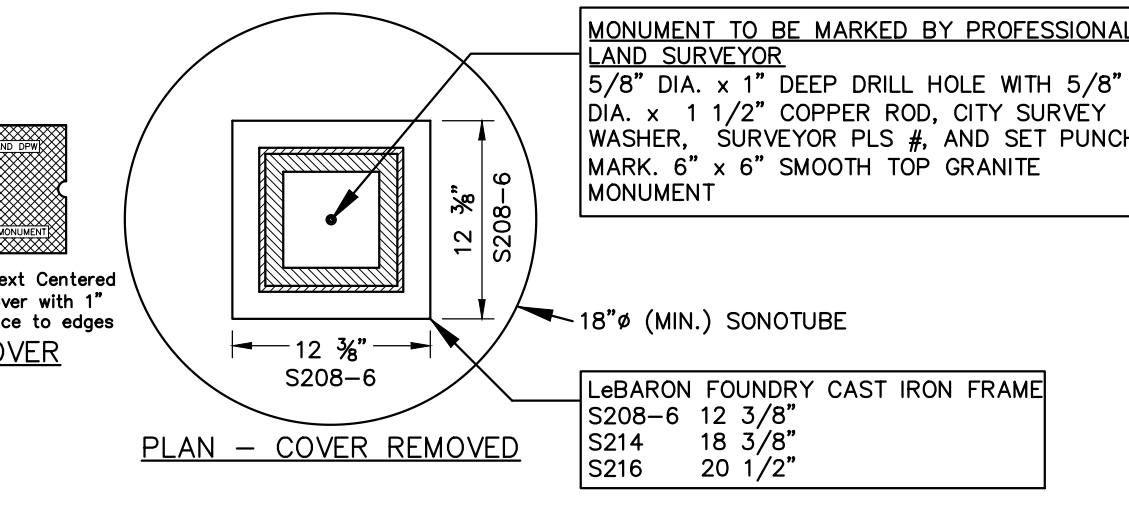
- NOTES:**
- INSTALL FABRIC ON UPHILL SIDE OF SUPPORT POSTS
 - INSTALL SILT FENCE ACROSS SLOPES
 - SILT FENCE SHALL NOT BE USED IN DRAINAGEWAYS

MAINTENANCE: INSPECT FOR TEARS IN THE FABRIC OR DAMAGE TO SUPPORTS. REPAIR AS NECESSARY. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES A DEPTH OF SIX-INCHES OR LESS.

REMOVAL: WHEN UPSLOPE AREAS ARE STABILIZED, THE STRUCTURE AND ANY ACCUMULATED SEDIMENT WILL BE REMOVED.

SEDIMENT BARRIER - SILTATION FENCE DETAIL

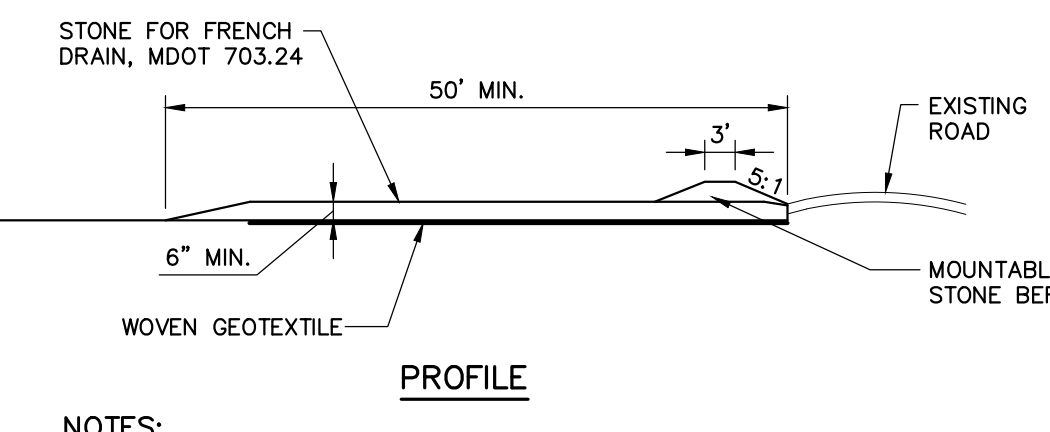
N.T.S.



GRANITE STREET MONUMENT

N.T.S.

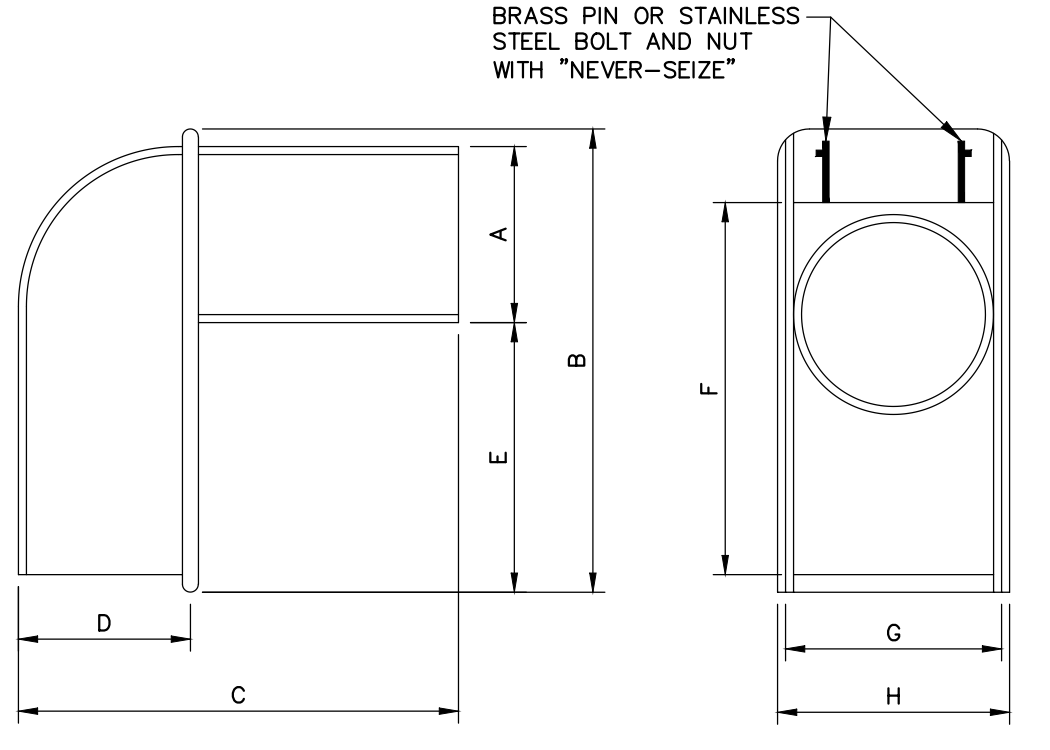
NOTE: AGGREGATE TYPES PER MDT SECTION 304.02



- NOTES:**
- CONSTRUCTION ENTRANCES MAY BE RELOCATED AS CONSTRUCTION PROGRESSES.
 - WHEEL WASH PITS MAY ALSO BE USED, IF APPROVED.
- MAINTENANCE:** INSPECT FOR EFFECTIVE REMOVAL OF SOIL FROM VEHICLES PRIOR TO LEAVING THE SITE. SWEEP ANY SOIL FROM ADJACENT ROADWAYS.
- REMOVAL:** AT LEAST ONE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED UNTIL ALL AREAS OF THE SITE ARE STABILIZED.

STABILIZED CONSTRUCTION ENTRANCE DETAIL

N.T.S.



SIZE	A	B	C	D	E	F	G	H
10"	9 1/2"	16"	16 1/4"	6"	4 1/2"	14 1/8"	11 1/2"	12 3/8"
15"	14 1/2"	22 1/2"	23"	10 1/4"	5 3/4"	21"	14 1/2"	15 3/4"

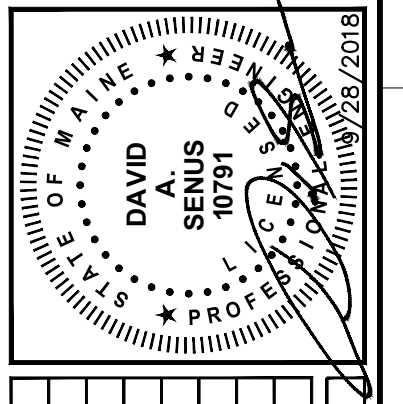
- NOTE:**
- CASCO TRAP SHALL BE CAST IRON CASCO TRAP BY ETHERIDGE FOUNDRY OR APPROVED EQUAL.
 - BOLT AND NUT REQUIRED WHERE HOOD WILL NOT OPEN COMPLETELY.
 - CASCO TRAP SHALL BE INSTALLED ON ALL CATCH BASIN OUTLET PIPES, INCIDENTAL TO COST OF CATCH BASIN.

CASCO TRAP DETAIL

N.T.S.

41 Hutchins Drive
Portland, Maine 04102
800.426.4262 | www.woodward-clark.com

WOODWARD-CLARK
COMMITMENT & INTEGRITY DRIVE RESULTS



NO.	DESCRIPTION	DATE	REVISED BY: C-200
1	PERMIT SET	8/28/2018	
2	DESIGN BY: DCW		

DESIGNED BY: DCW
DRAWN BY: DCW
CHECKED BY: C-200

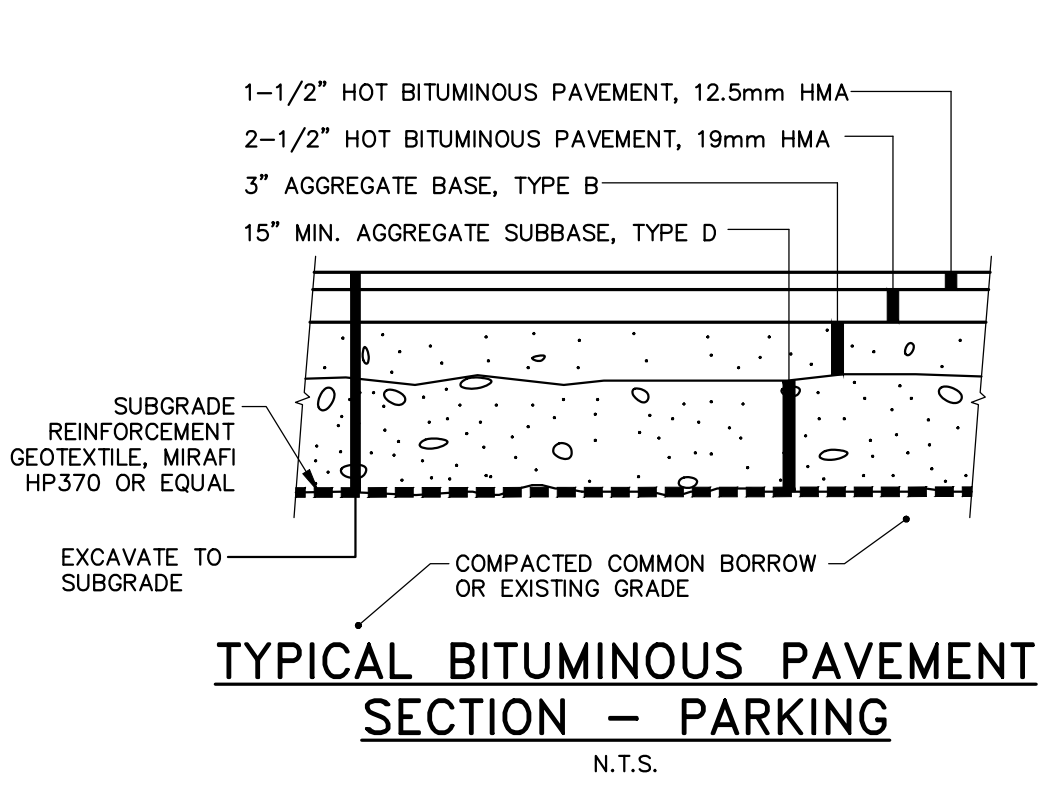
CIVIL DETAILS-1

MAINE MEDICAL CENTER
30 BRANFILL STREET
PORTLAND, ME 04102

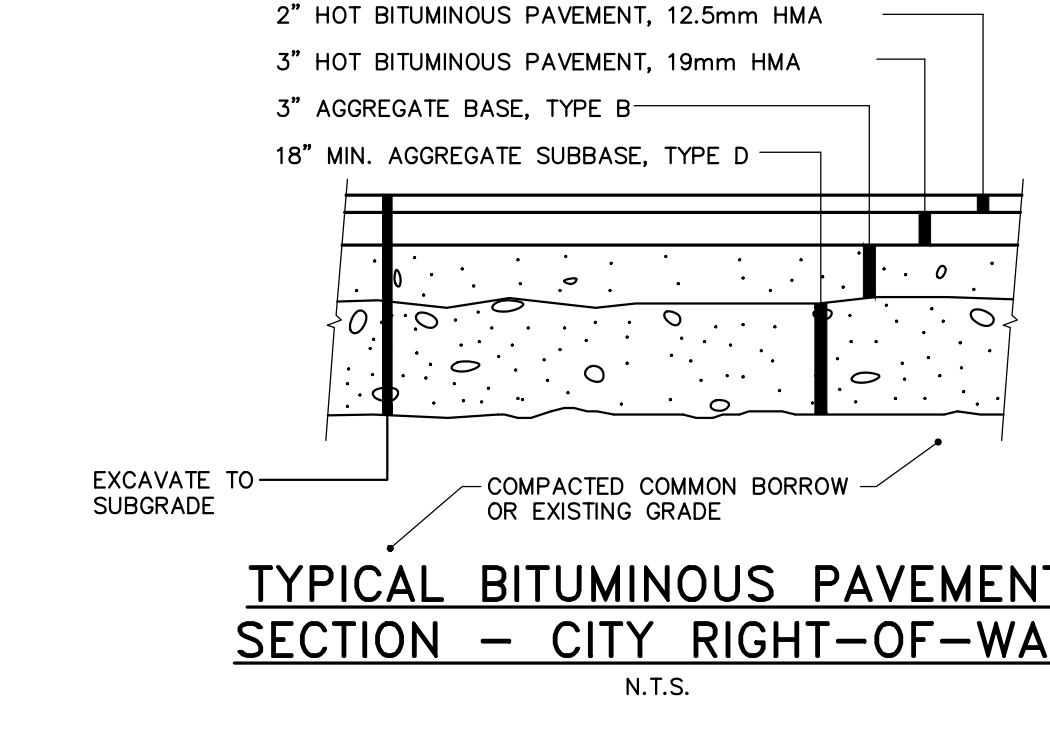
MMC ST. JOHN STREET
EMPLOYEE PARKING GARAGE

CITY OF PORTLAND
APPROVED SITE PLAN
SUBJECT TO CONDITIONS OF APPROVAL
AND STANDARD CONDITIONS

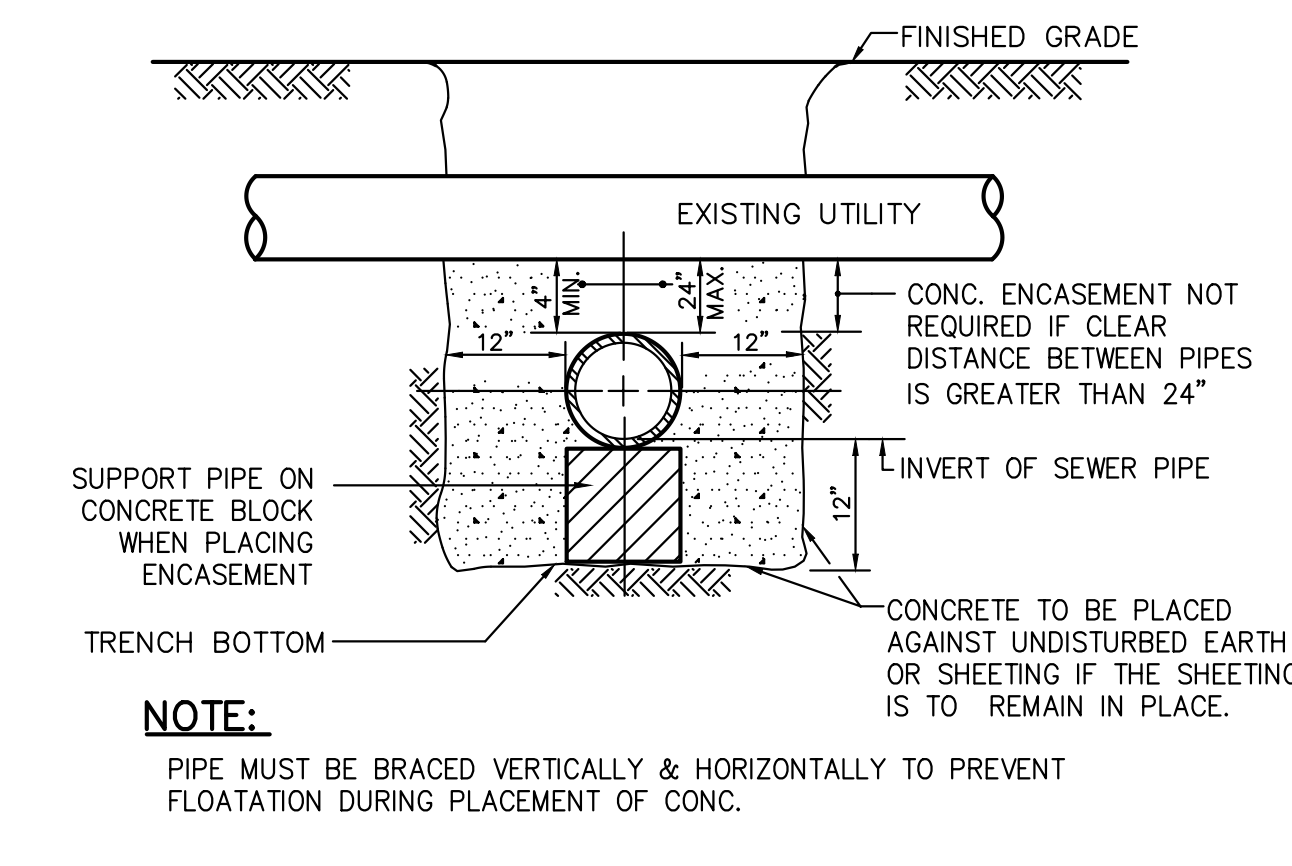
C-200
9/17/18



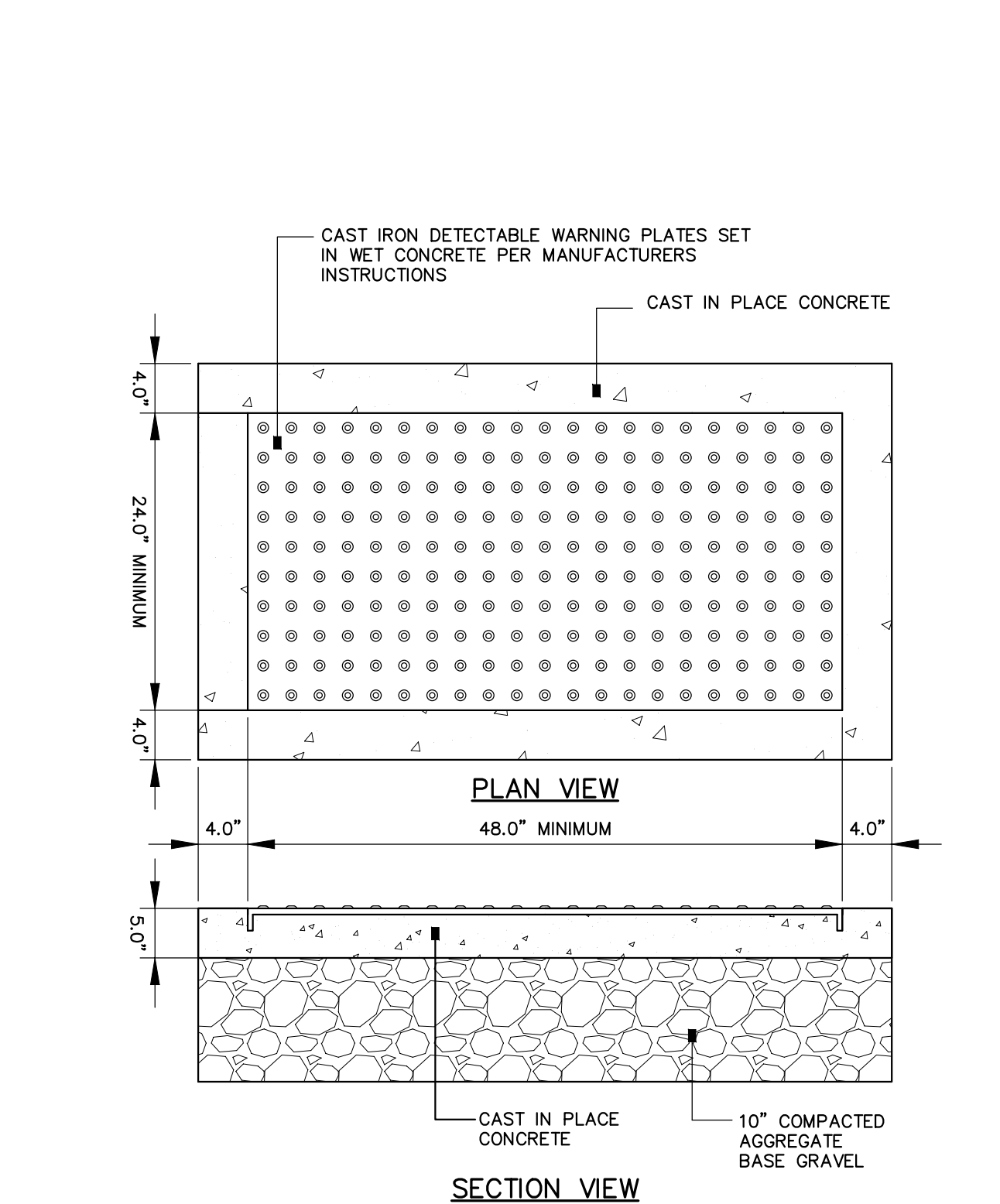
TYPICAL BITUMINOUS PAVEMENT SECTION - PARKING N.T.S.



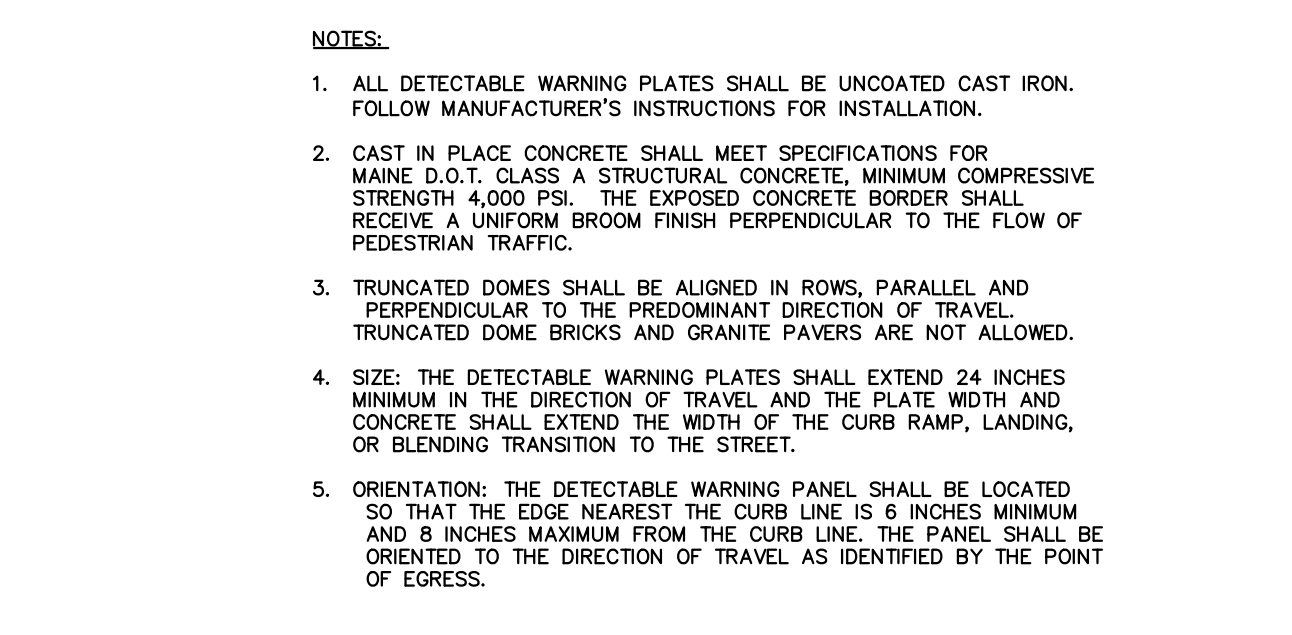
TYPICAL BITUMINOUS PAVEMENT SECTION - CITY RIGHT-OF-WAY N.T.S.



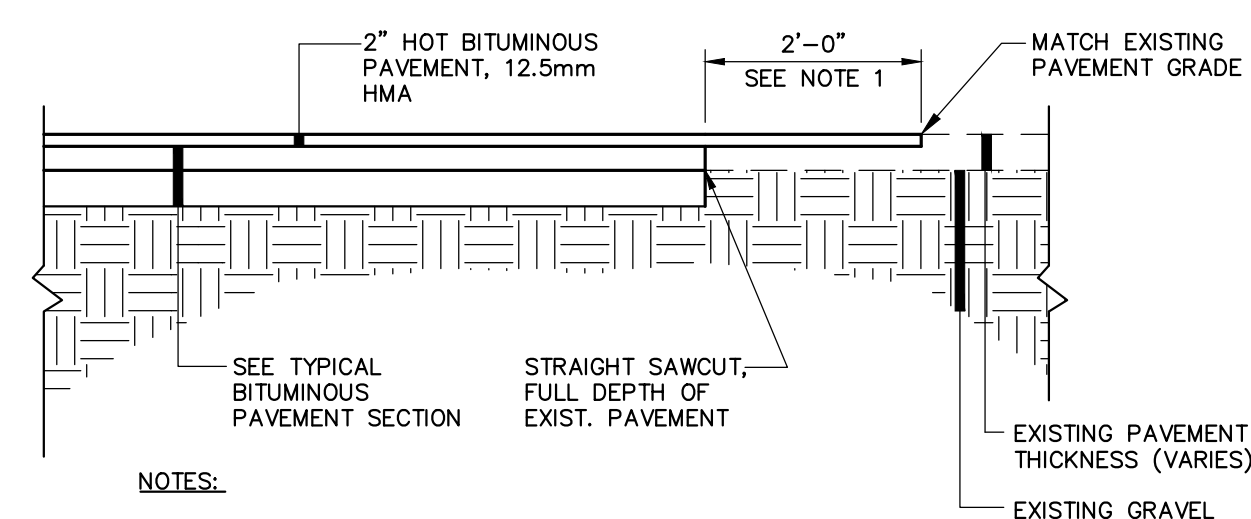
UTILITY CROSSING LESS THAN 24 inch CLEARANCE N.T.S.



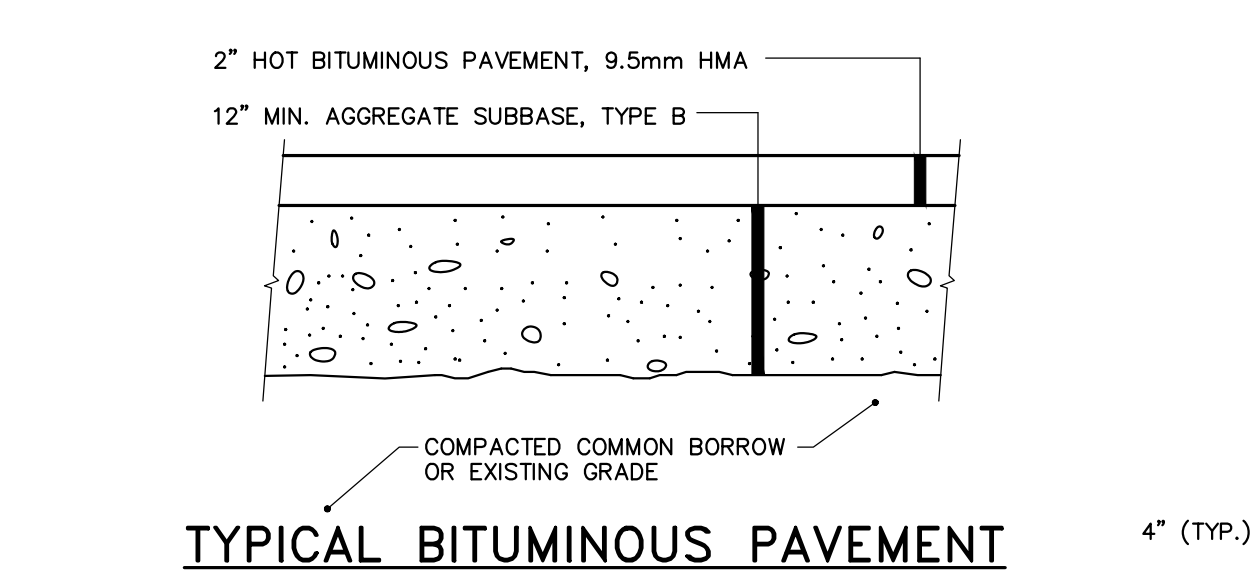
SIDEWALK RAMP DETECTABLE WARNING N.T.S.



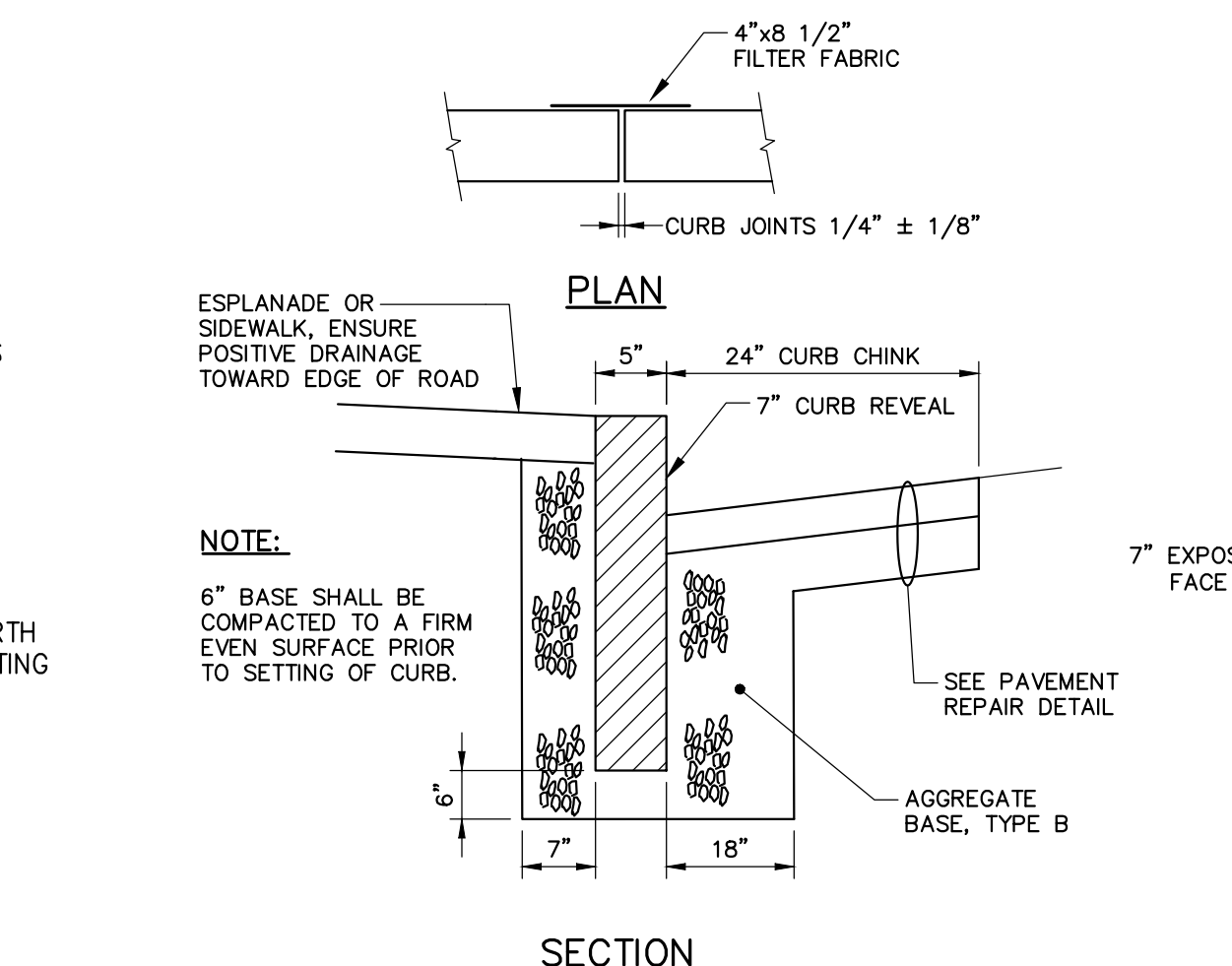
TYPICAL FLUSH CURB INSTALLATION N.T.S.



PAVEMENT BUTT JOINT DETAIL N.T.S.



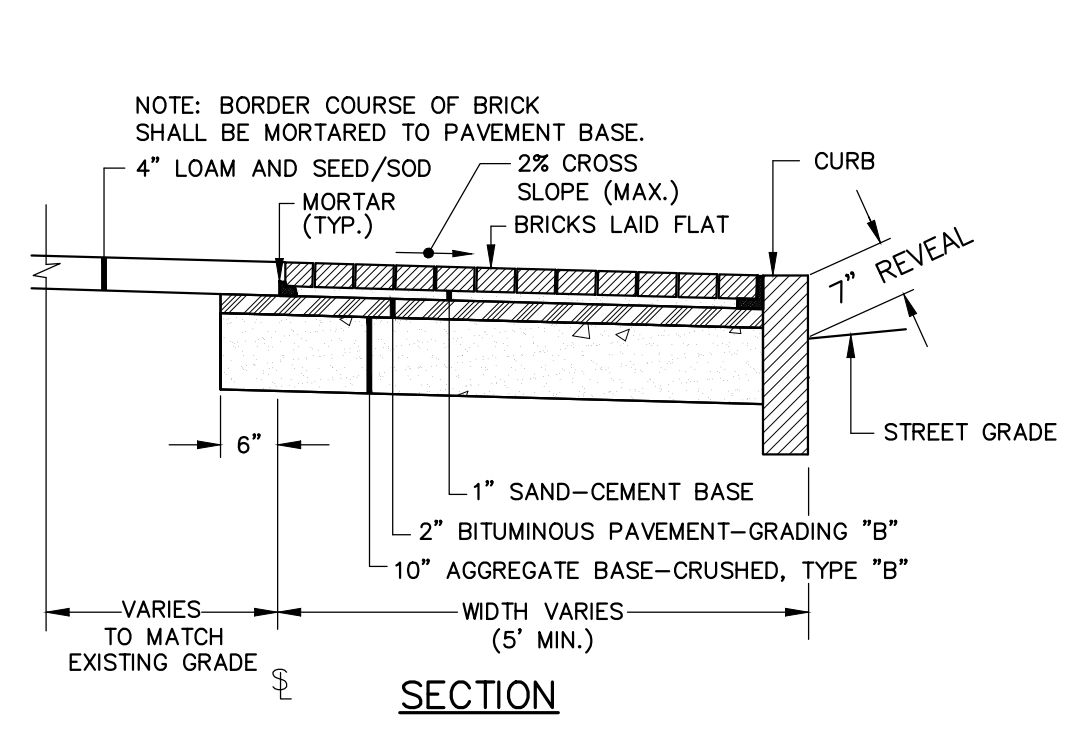
TYPICAL BITUMINOUS PAVEMENT SECTION - SIDEWALKS N.T.S.



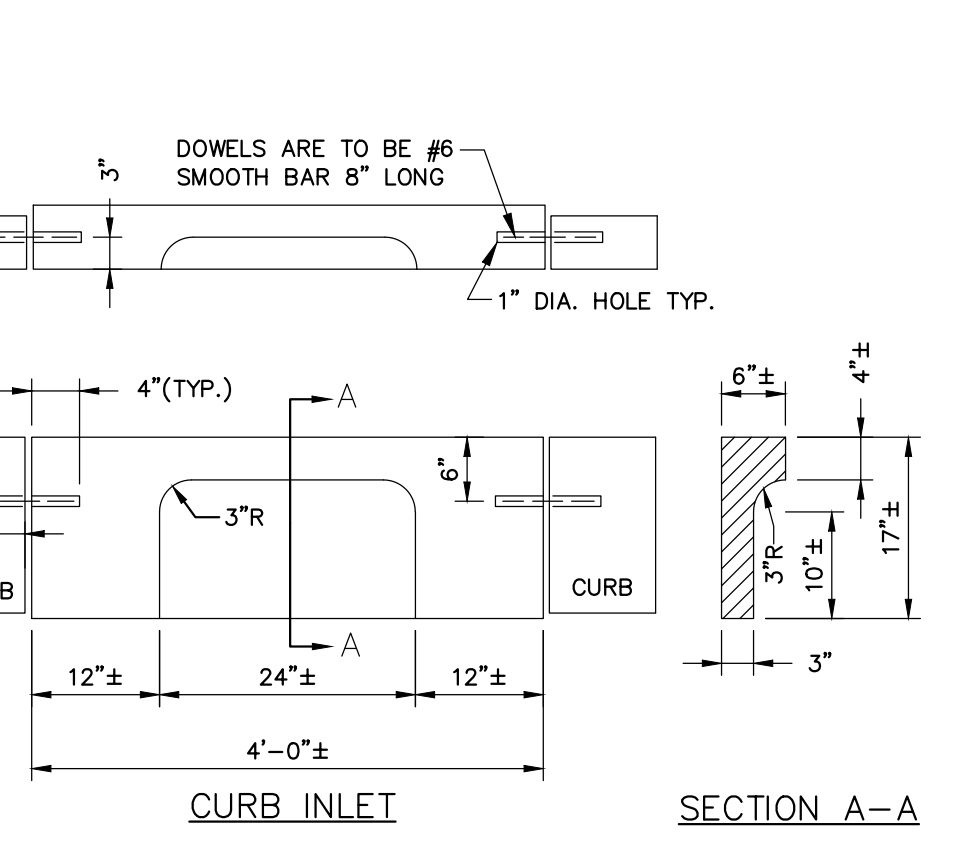
TYPICAL NEW AND RESET CURB INSTALLATION N.T.S.

CURB TYPE 1 ON CURVES			
TYPE	RADIUS OF CURVE	LENGTH	STONE IS CUT OR CAST
1	0' TO 60' INCL.	4' MIN.	ARC TO FIT CURVE
	OVER 60' TO 160'	4' TO 6'	STRAIGHT PIECES

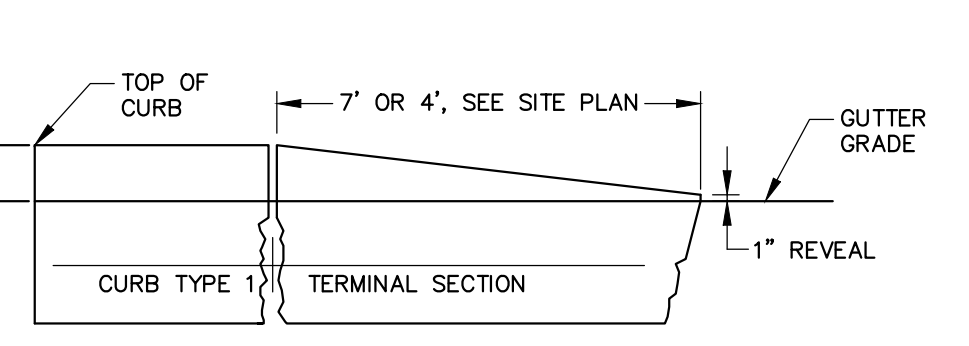
NOTE: AGGREGATE TYPES PER MDT SECTION 304.02



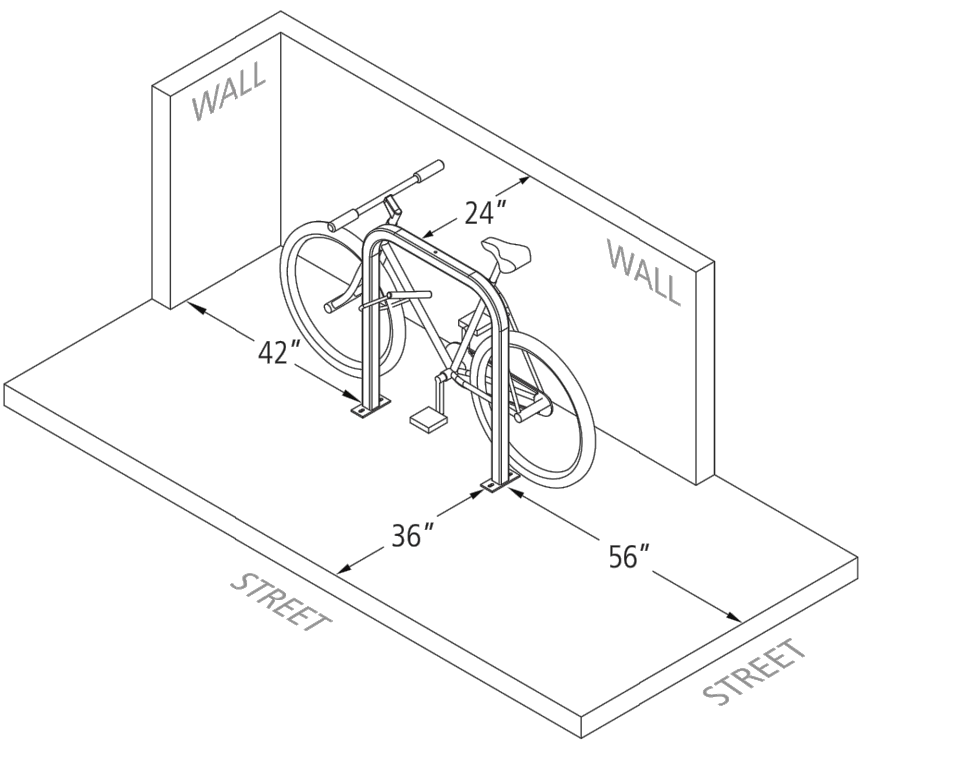
BRICK SIDEWALK DETAIL N.T.S.



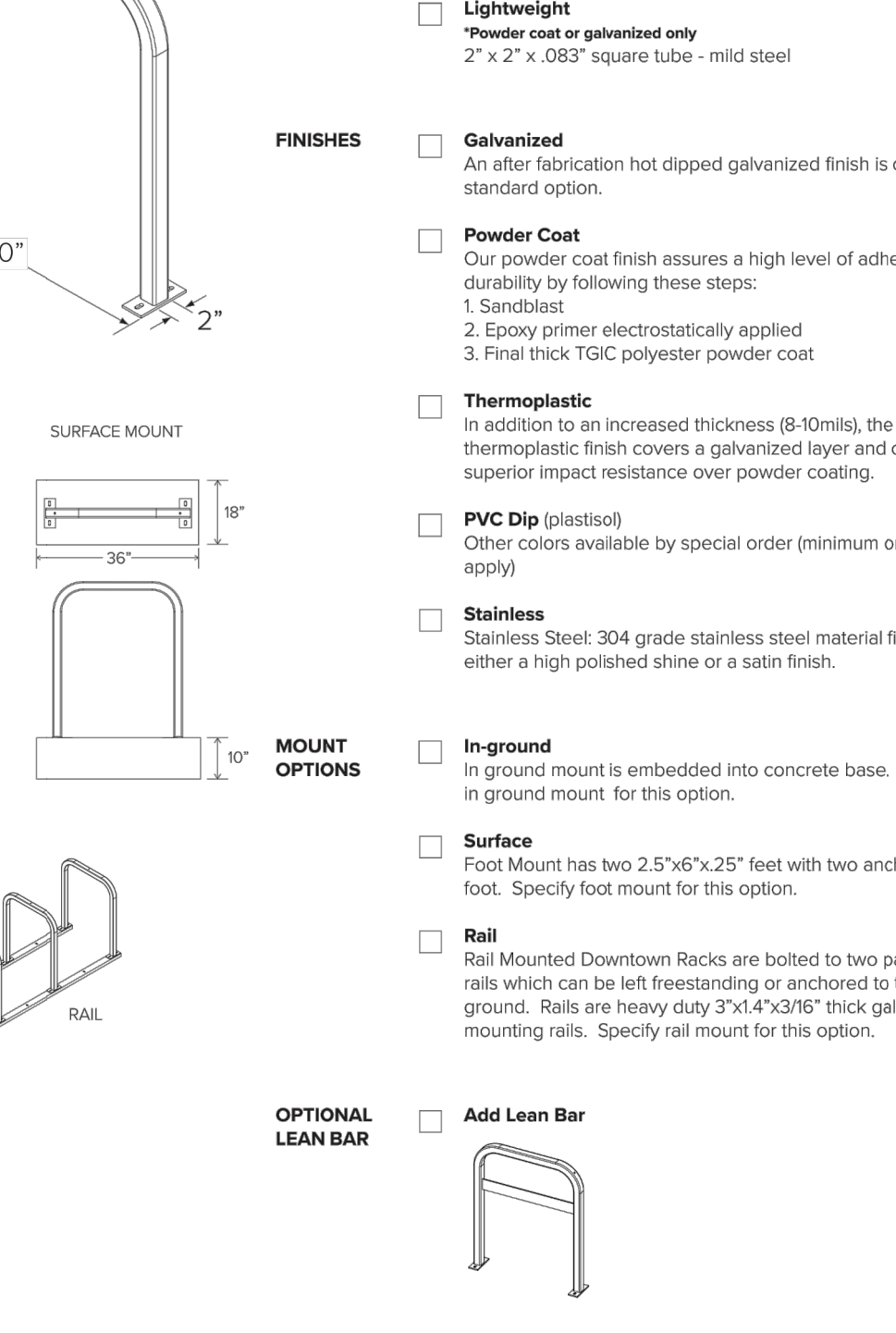
CURB INLET N.T.S.



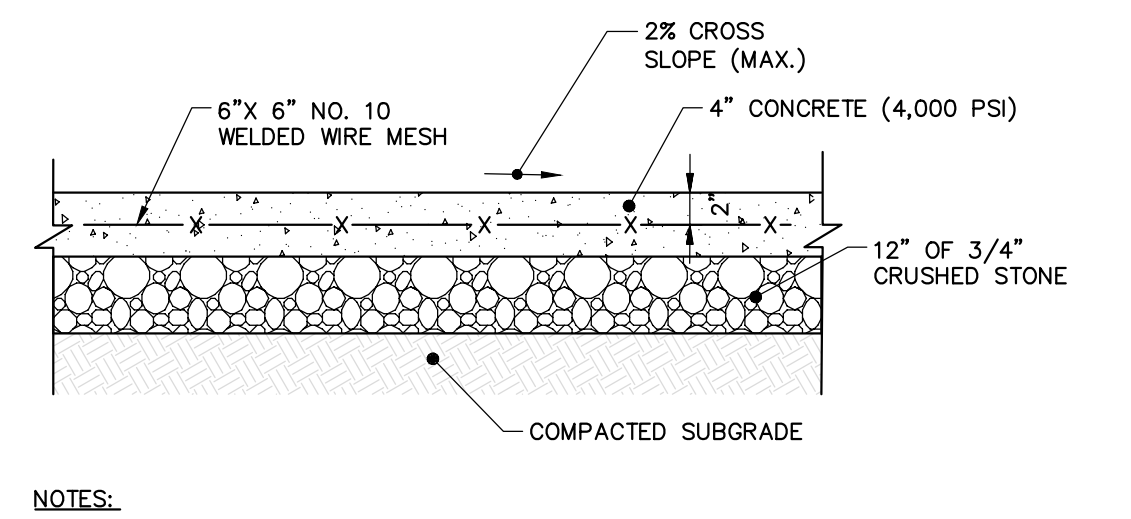
TERMINAL CURB SECTION N.T.S.



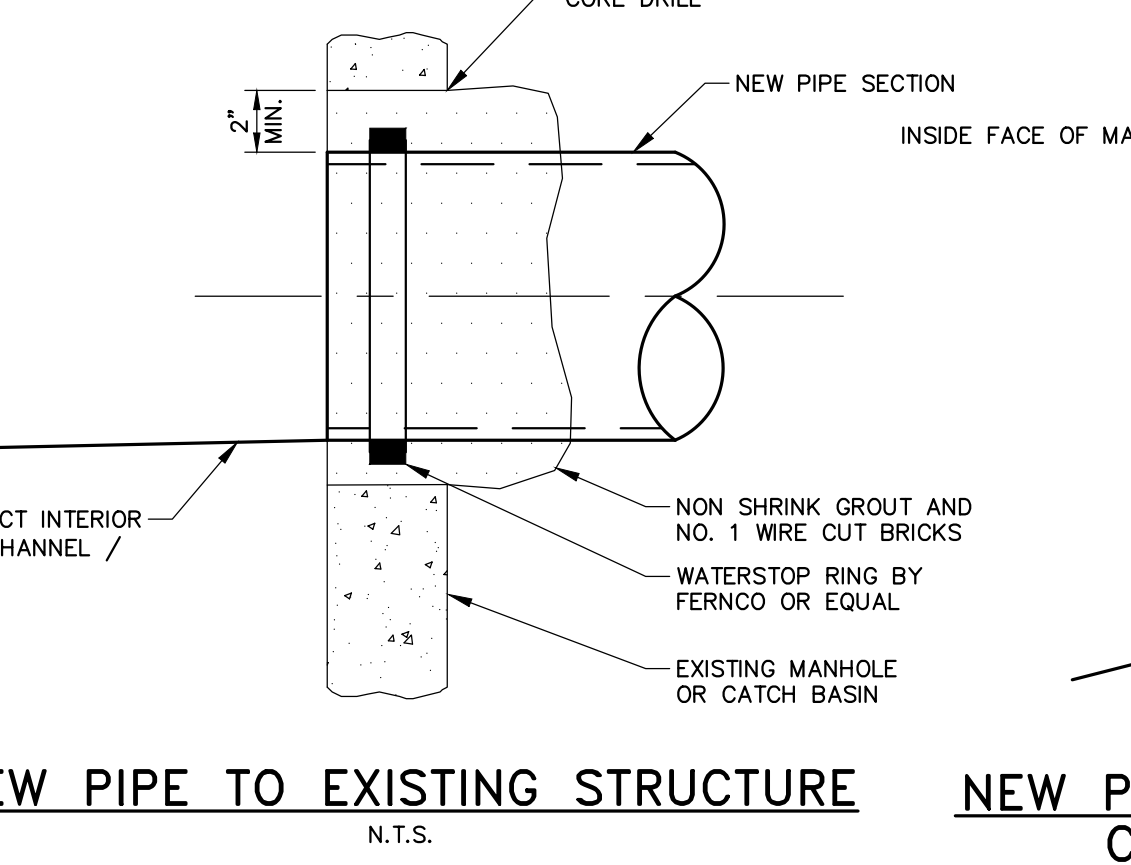
BIKE RACK DETAIL N.T.S.



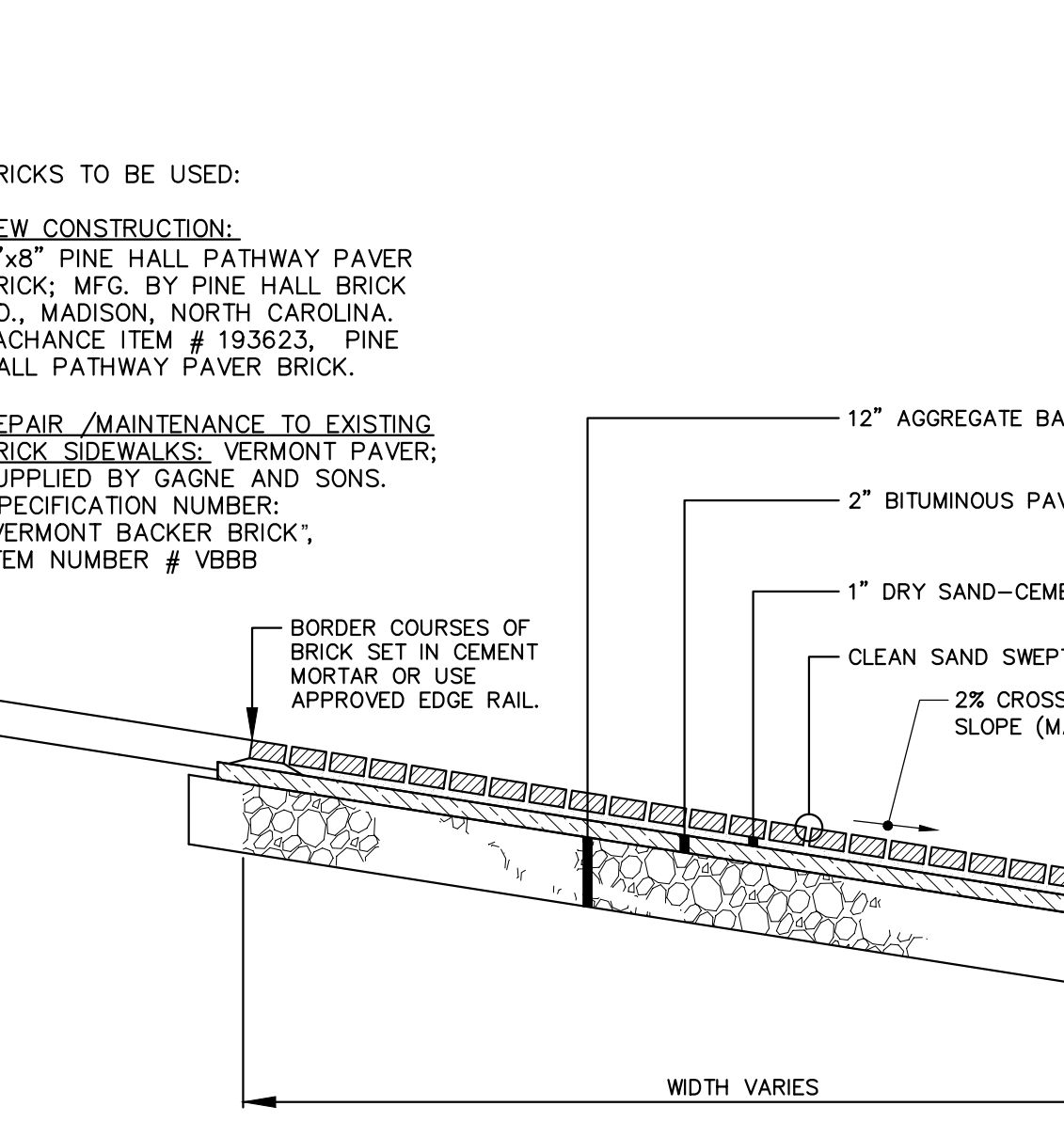
BIKE RACK DETAIL N.T.S.



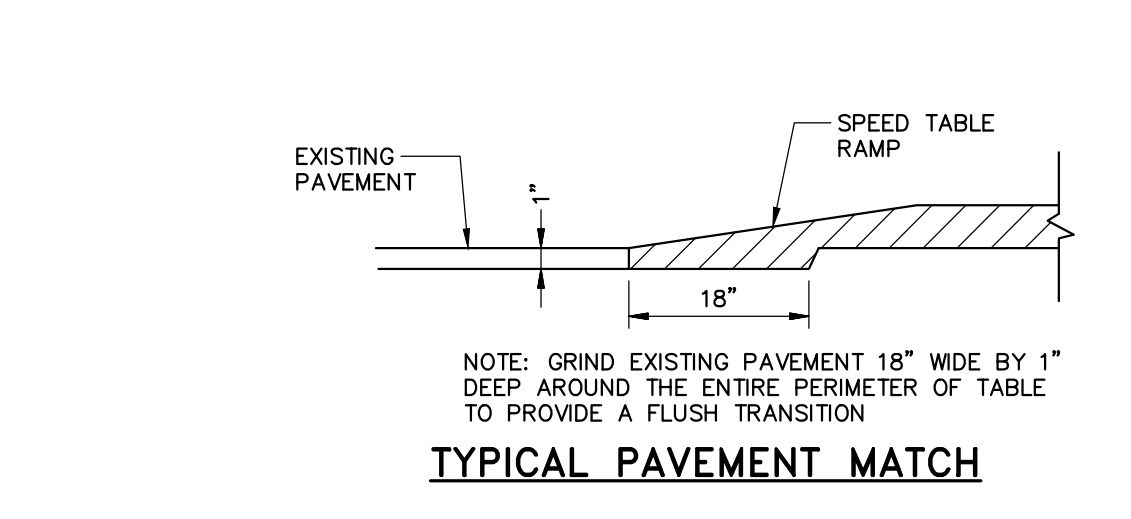
CAST-IN-PLACE CONCRETE SIDEWALK N.T.S.



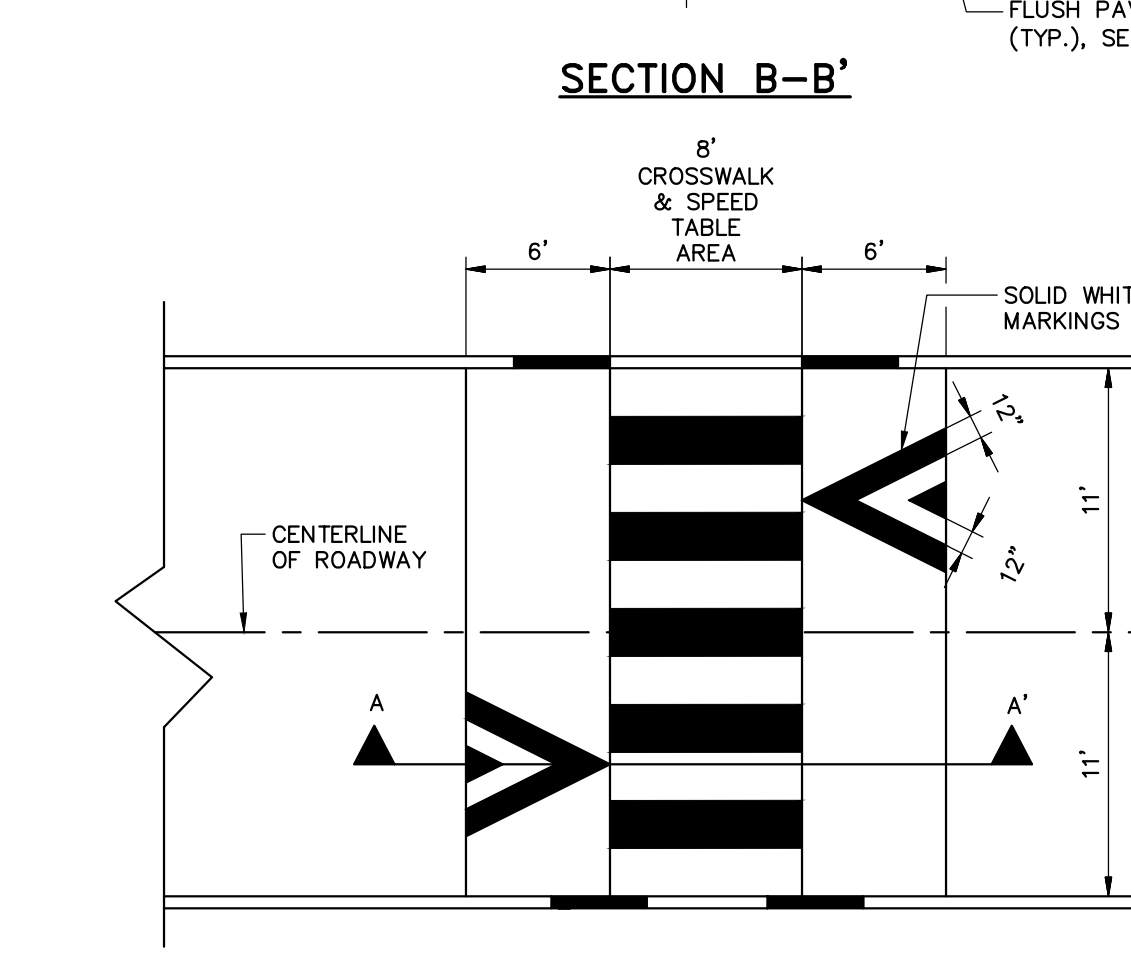
NEW PIPE TO EXISTING STRUCTURE N.T.S.



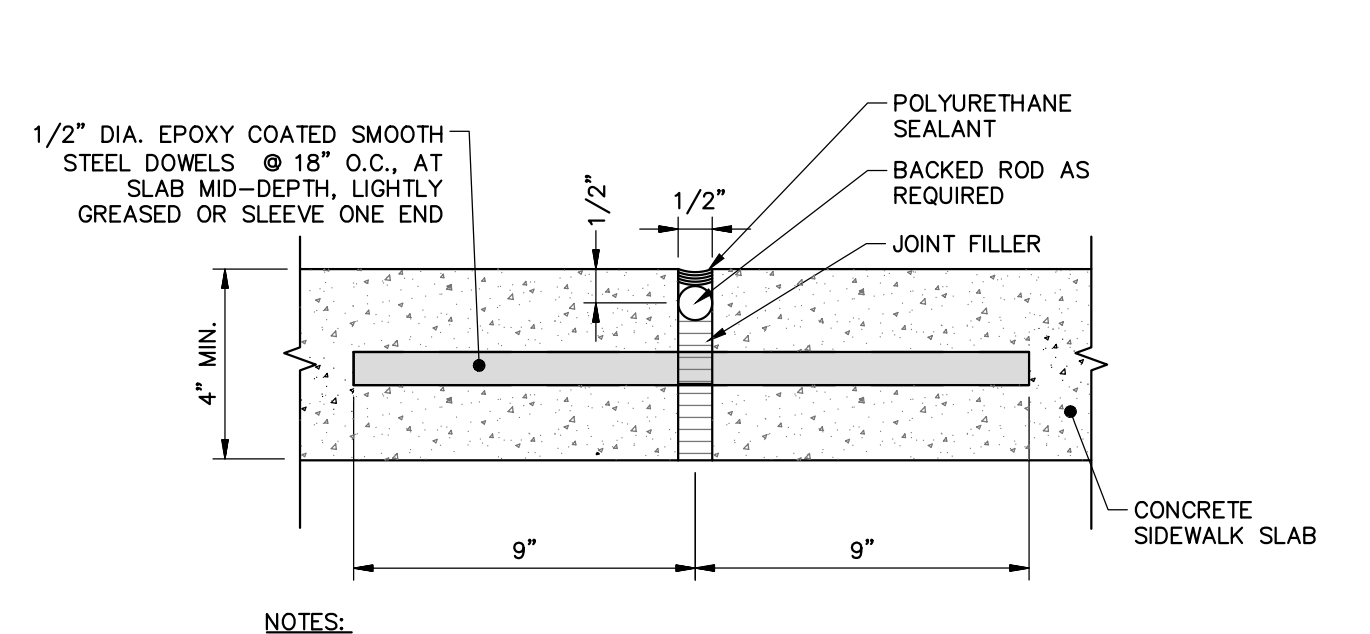
BRICK DRIVEWAY APRON WITH BITUMINOUS BASE N.T.S.



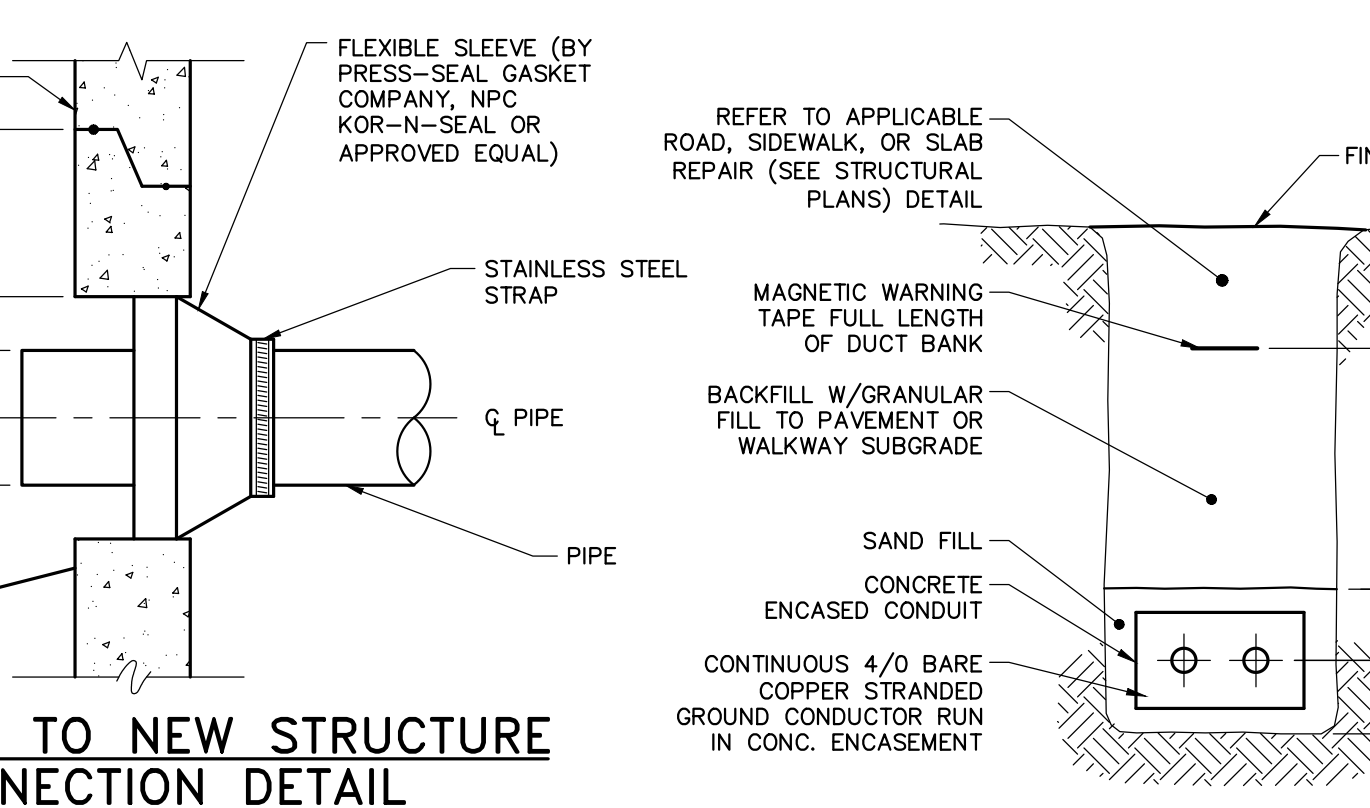
TYPICAL PAVEMENT MATCH N.T.S.



SPEED TABLE DETAIL N.T.S.



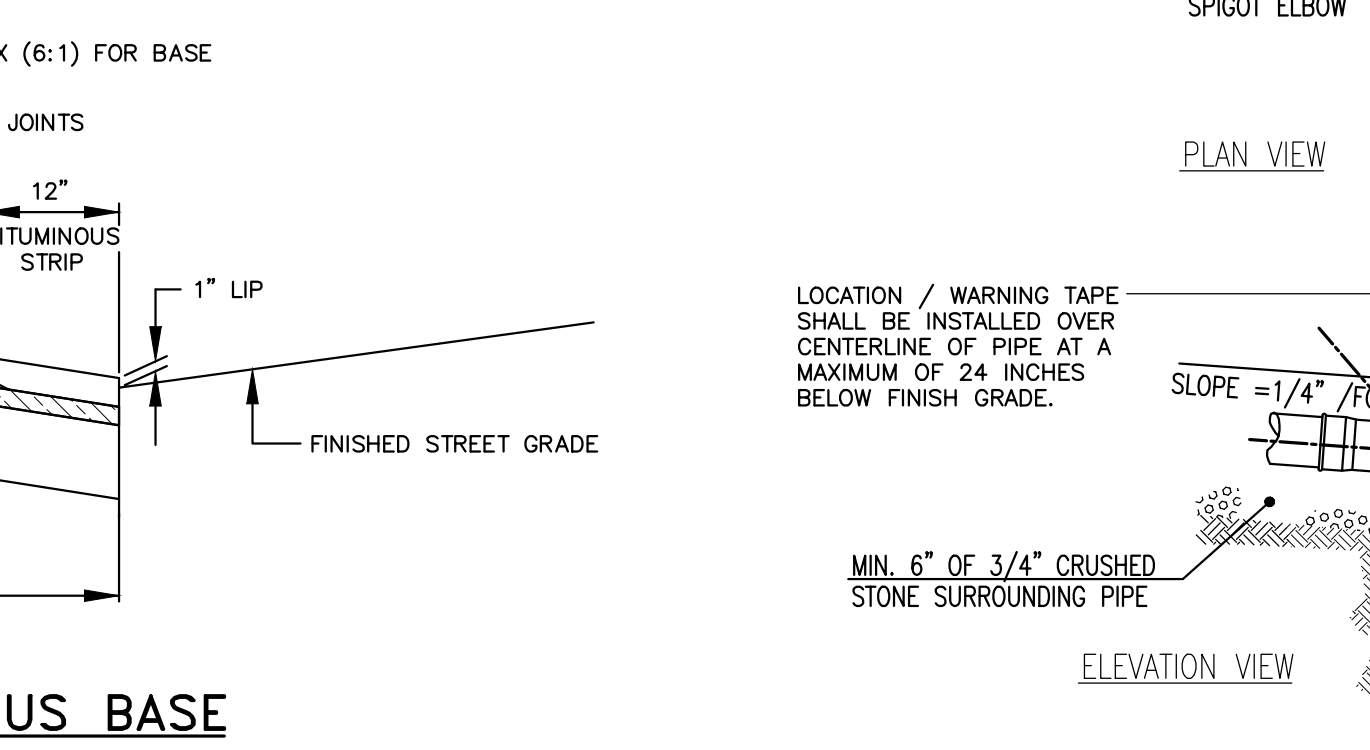
CONCRETE SIDEWALK EXPANSION JOINT N.T.S.



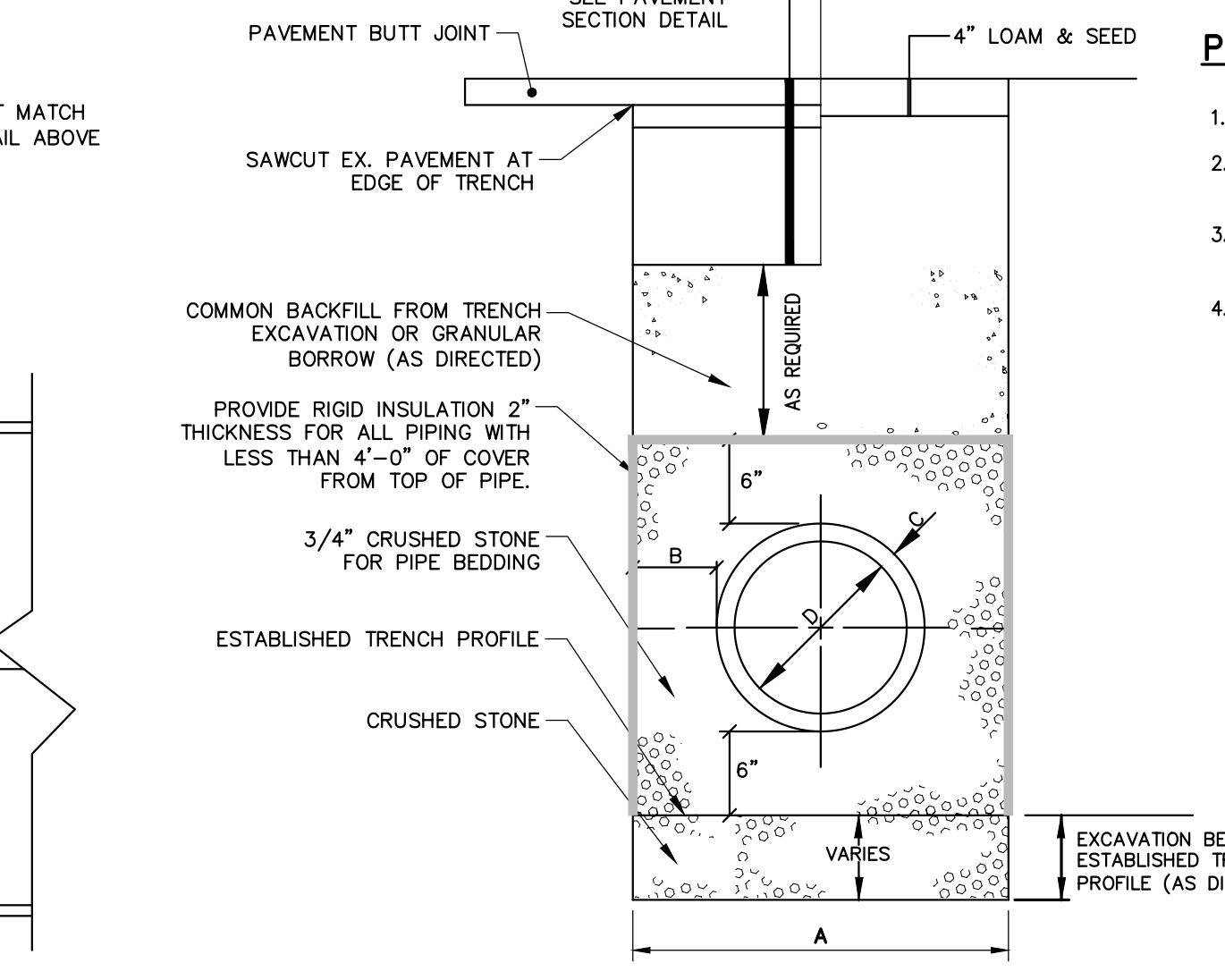
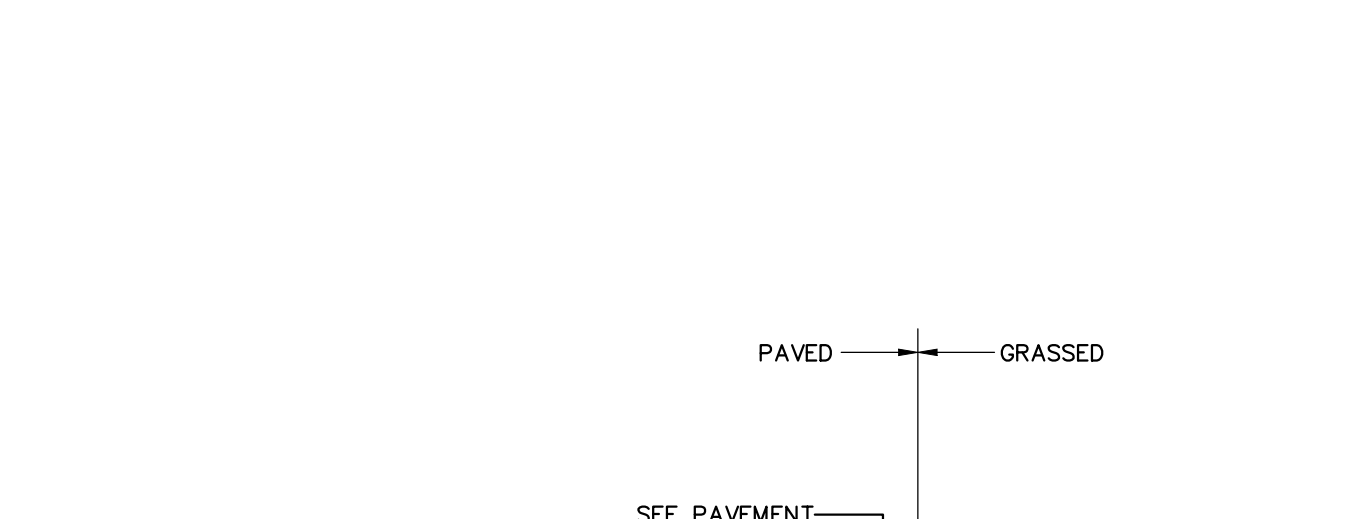
NEW PIPE TO NEW STRUCTURE CONNECTION DETAIL N.T.S.



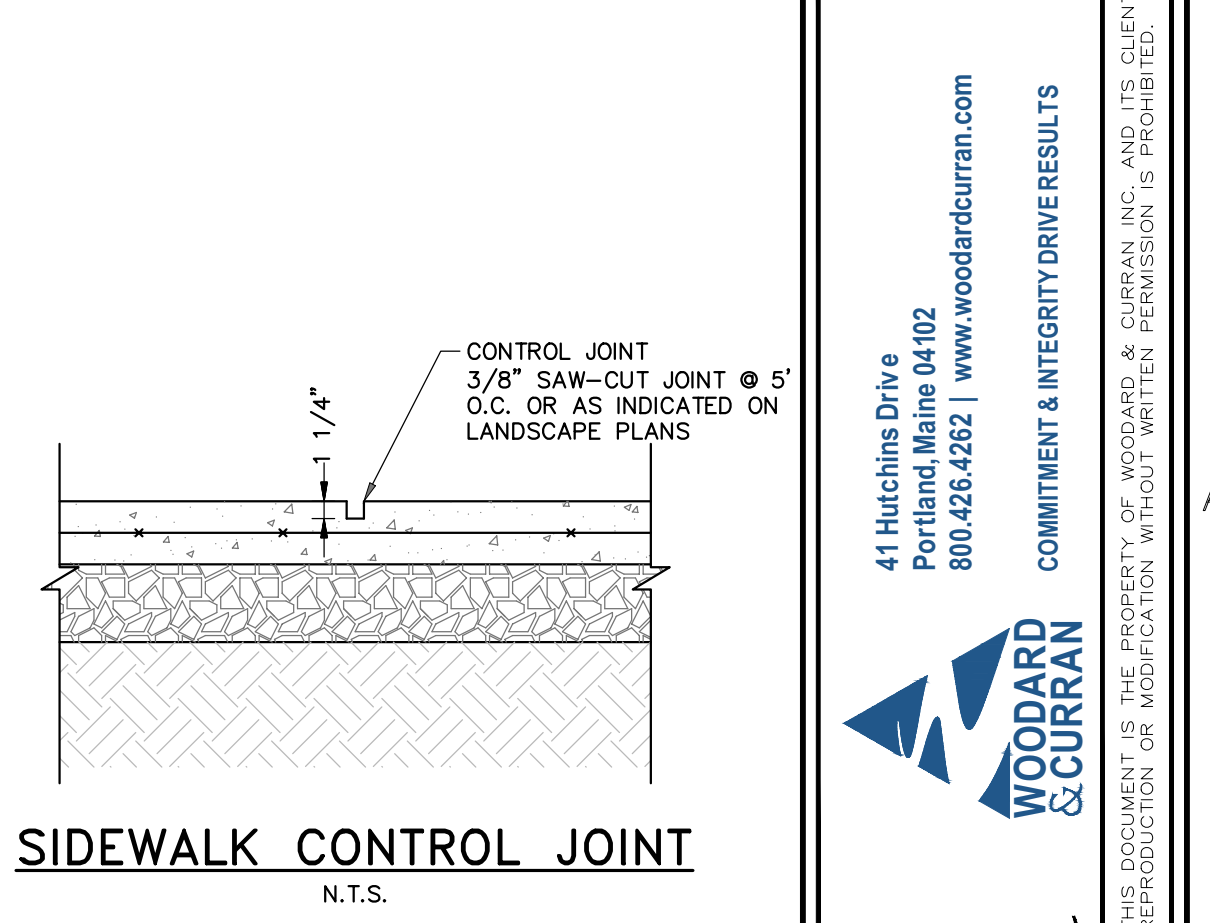
BURIED ELECTRICAL CONDUIT DETAIL N.T.S.



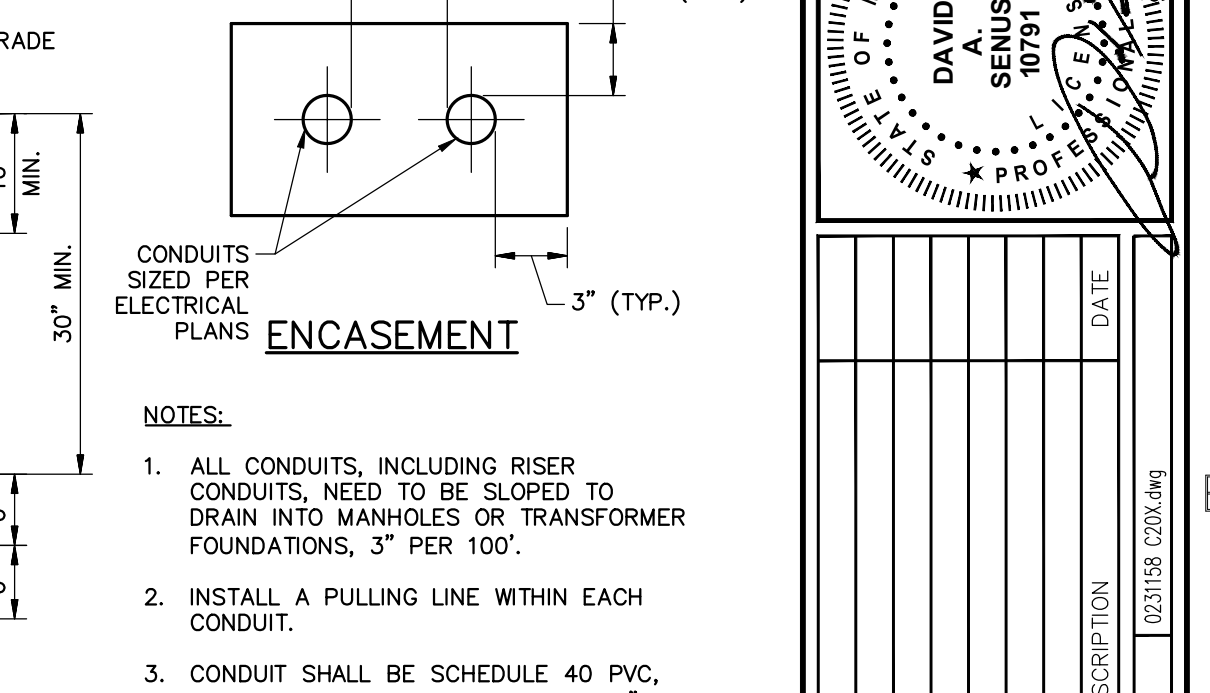
TYPICAL SEWER LATERAL WYE CONNECTION DETAILS N.T.S.



PIPE INSTALLATION DETAIL N.T.S.



SIDEWALK CONTROL JOINT N.T.S.



ENCASUREMENT N.T.S.



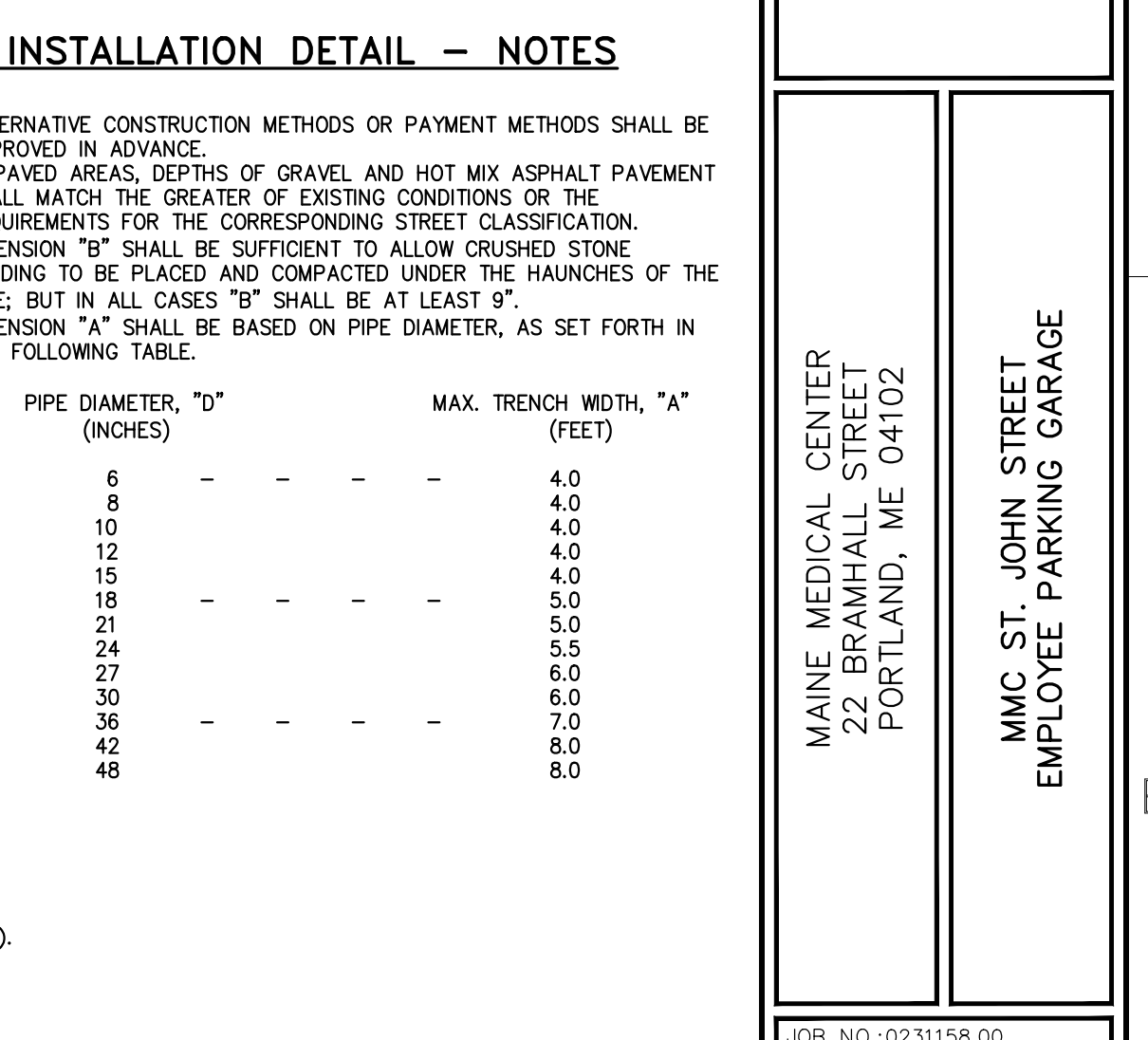
TRENCH N.T.S.



BURIED ELECTRICAL CONDUIT DETAIL N.T.S.



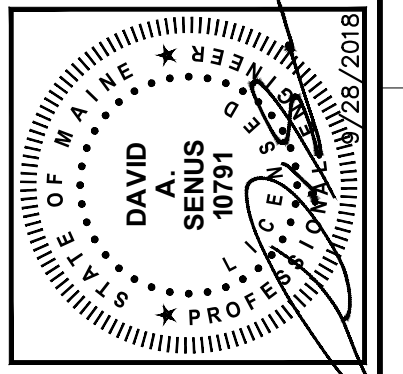
TYPICAL SEWER LATERAL WYE CONNECTION DETAILS N.T.S.



PIPE INSTALLATION DETAIL N.T.S.

41 Hutchins Drive
Portland, Maine 04102
800.426.4282 | www.woodward-clark.com

WOODWARD-CLARK
COMMITMENT & INTEGRITY DRIVE RESULTS

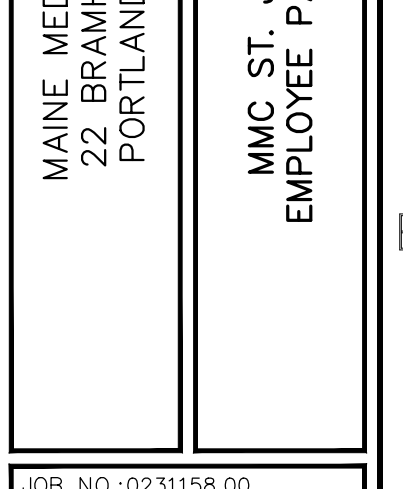


NO.	DESCRIPTION	DATE	BY	CHKD.
1	PERMIT SET	8/28/2018		
2	REVISED BY: DMS			
3	DESIGNED BY: DCW			

CIVIL DETAILS-3

MAINE MEDICAL CENTER
BRANHALL STREET
PORTLAND, ME 04102

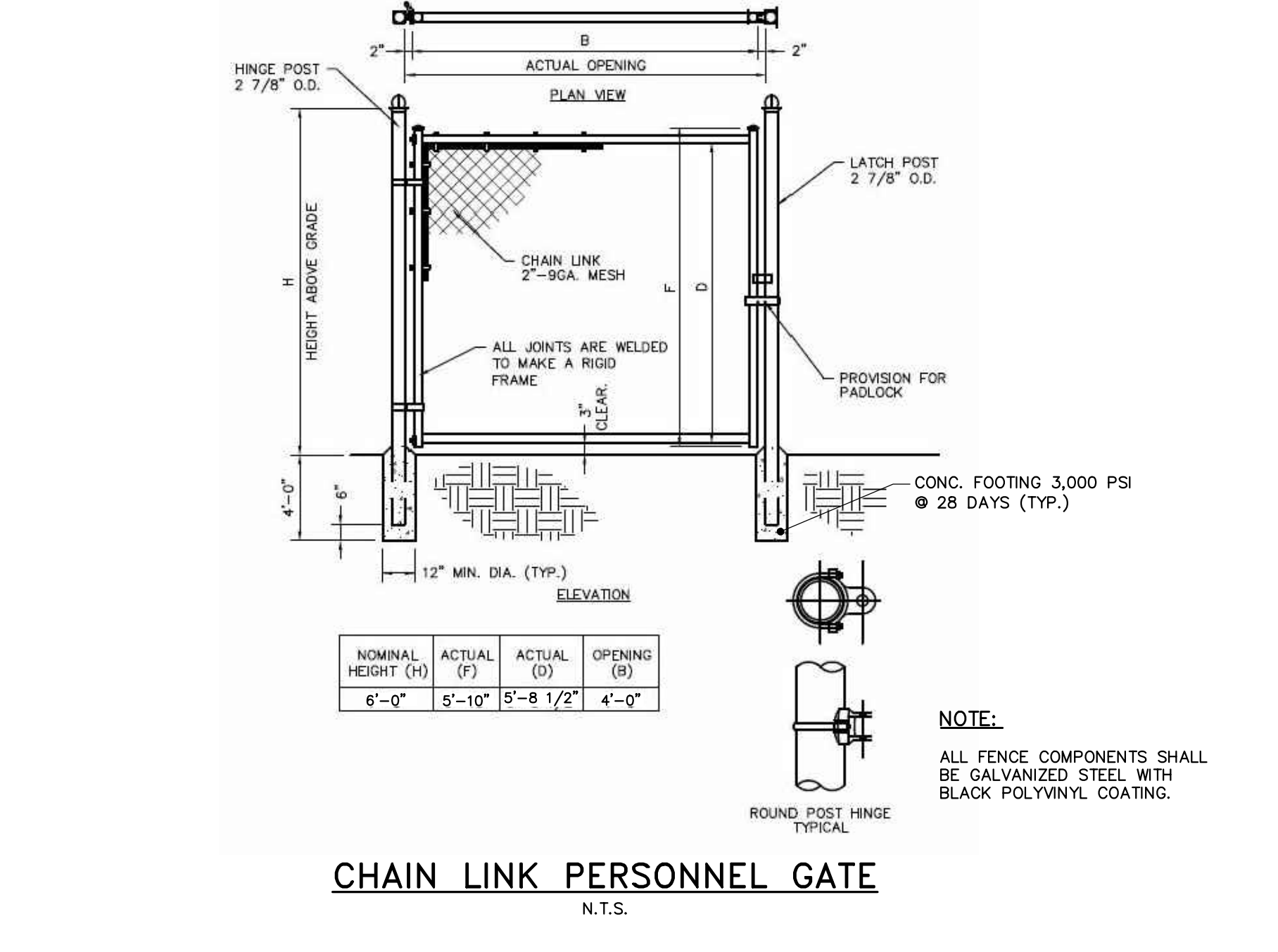
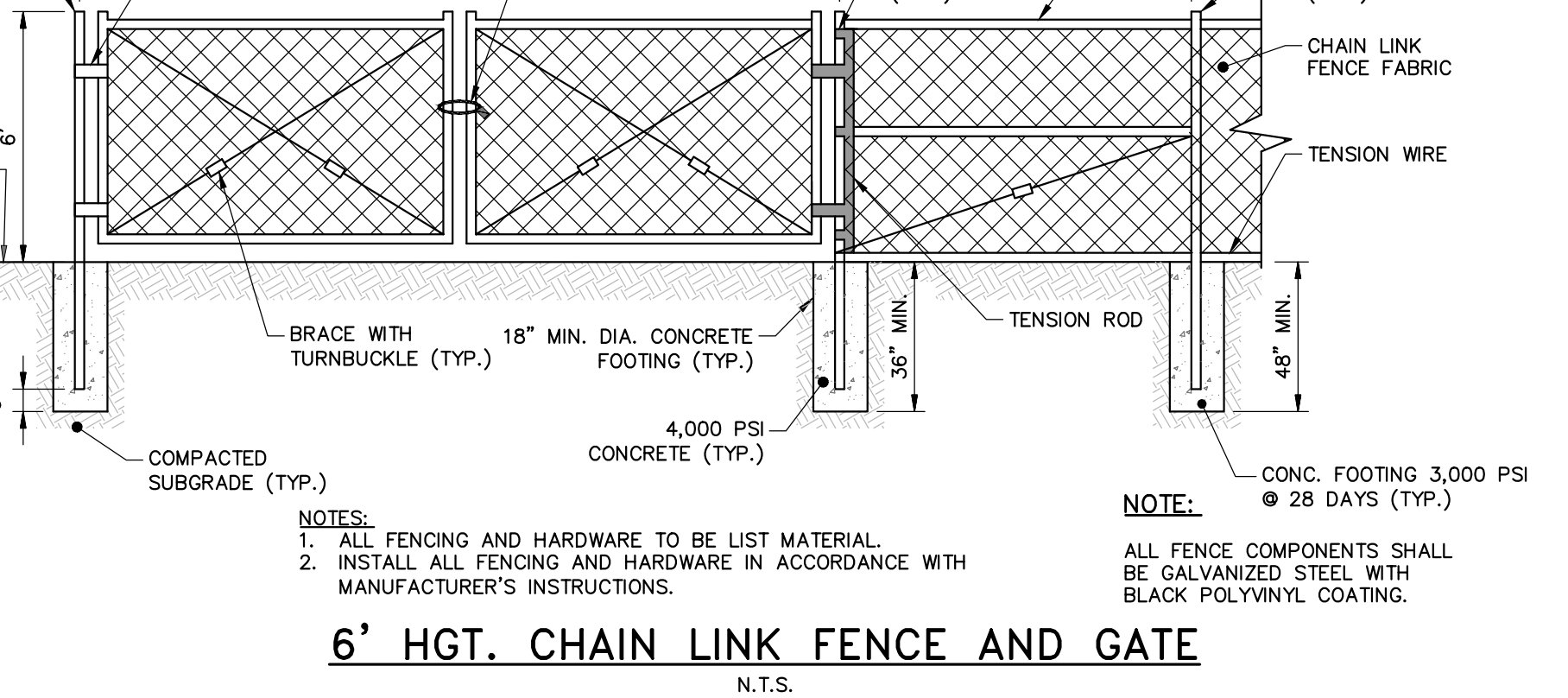
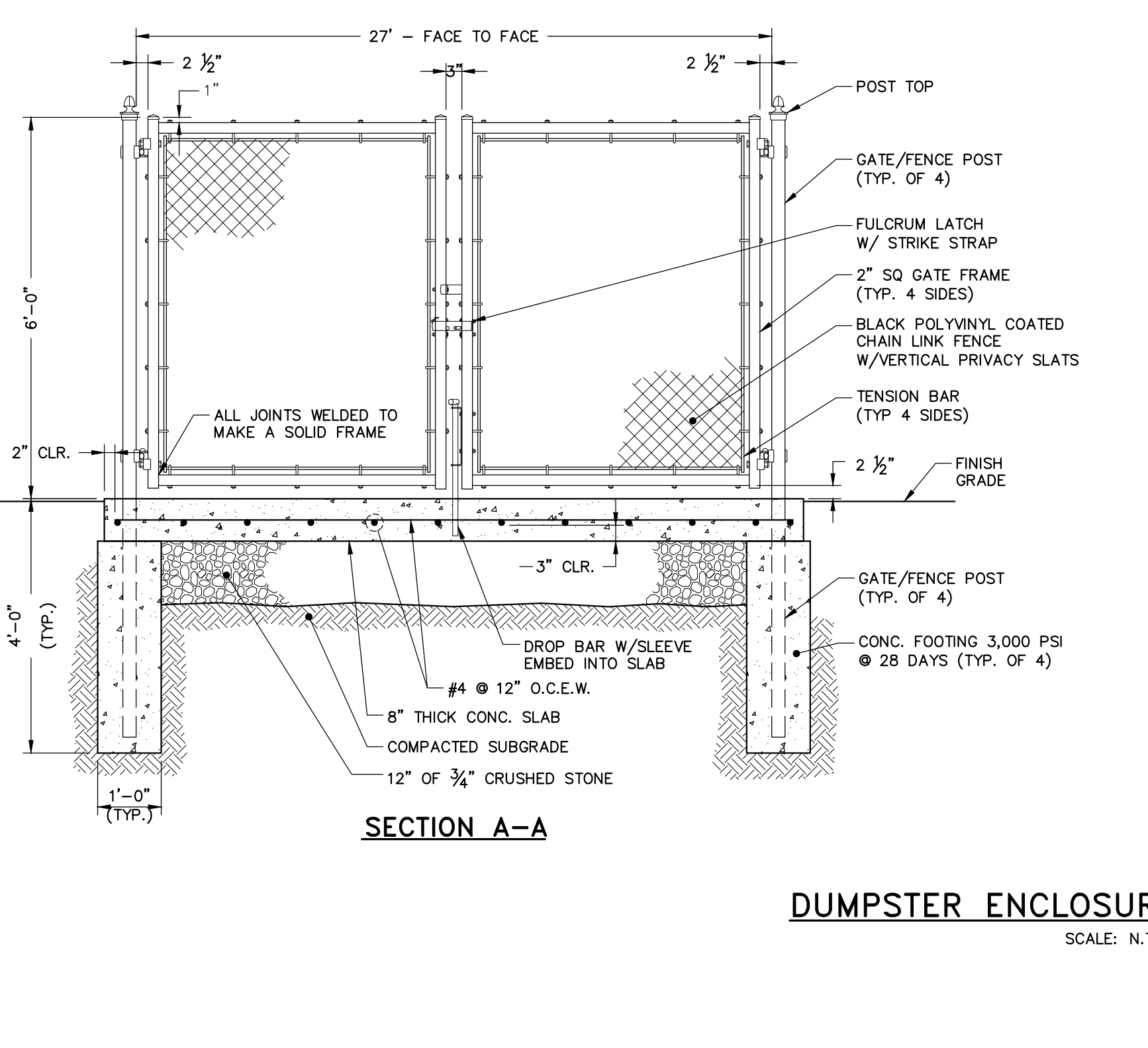
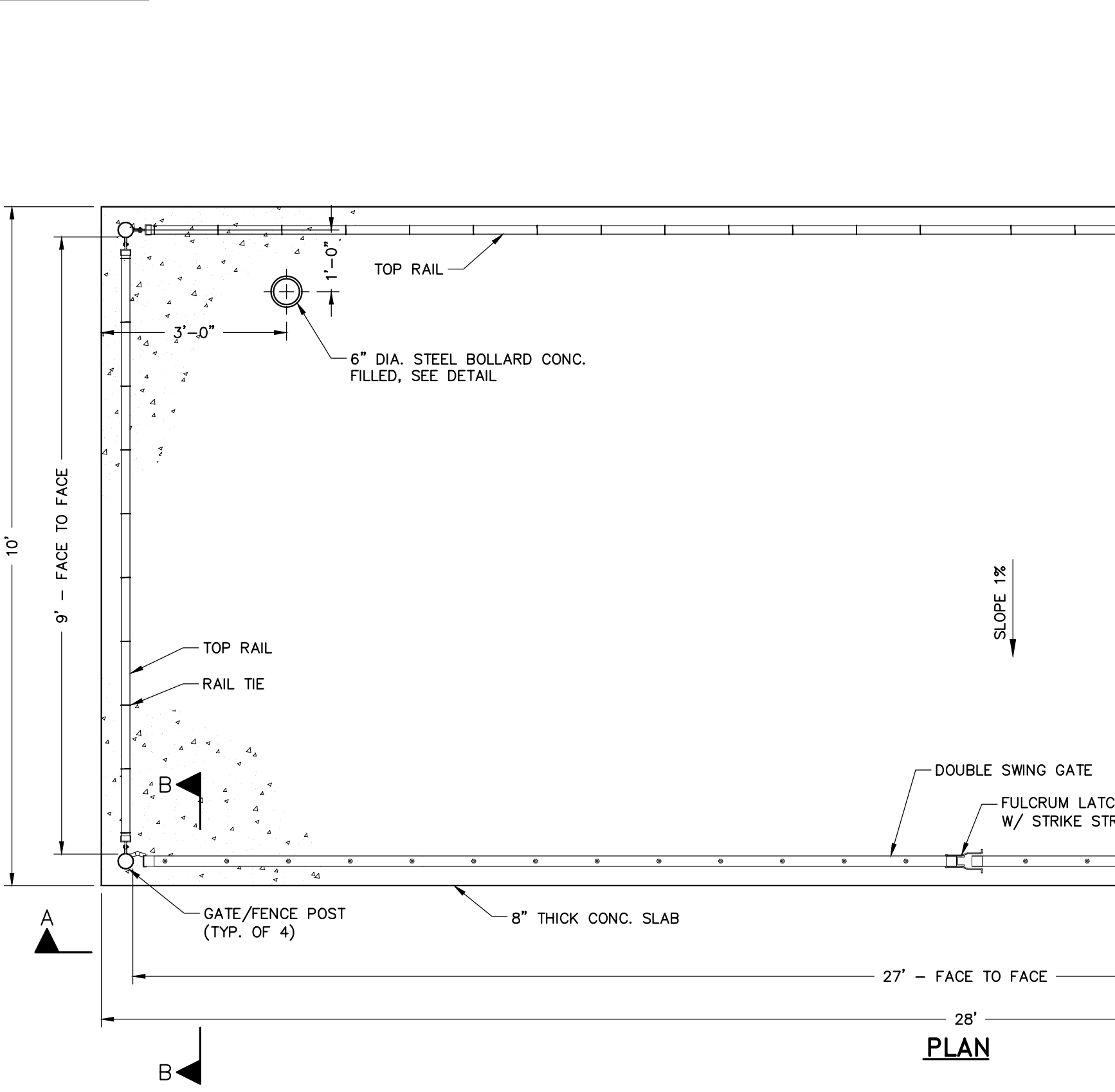
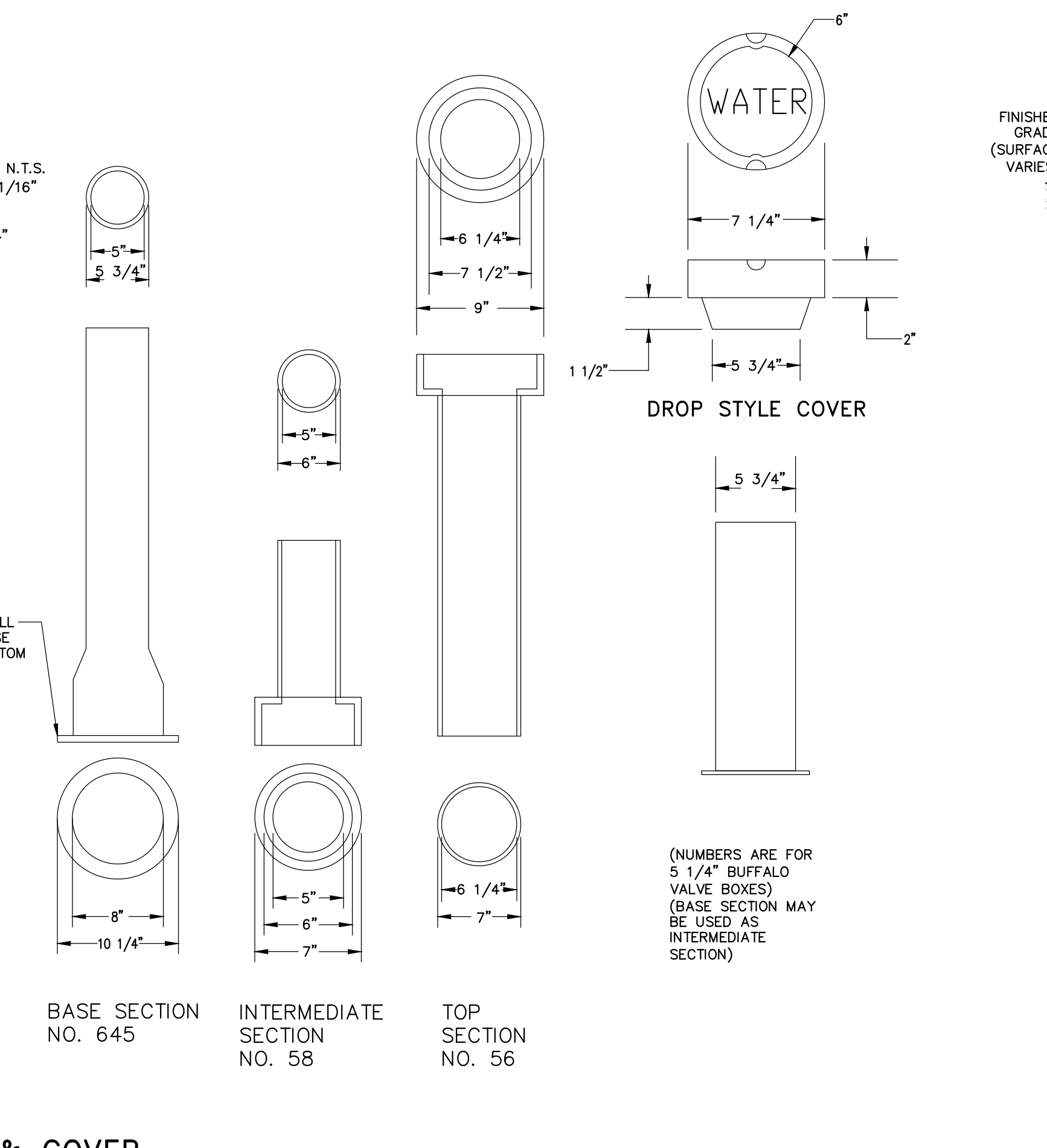
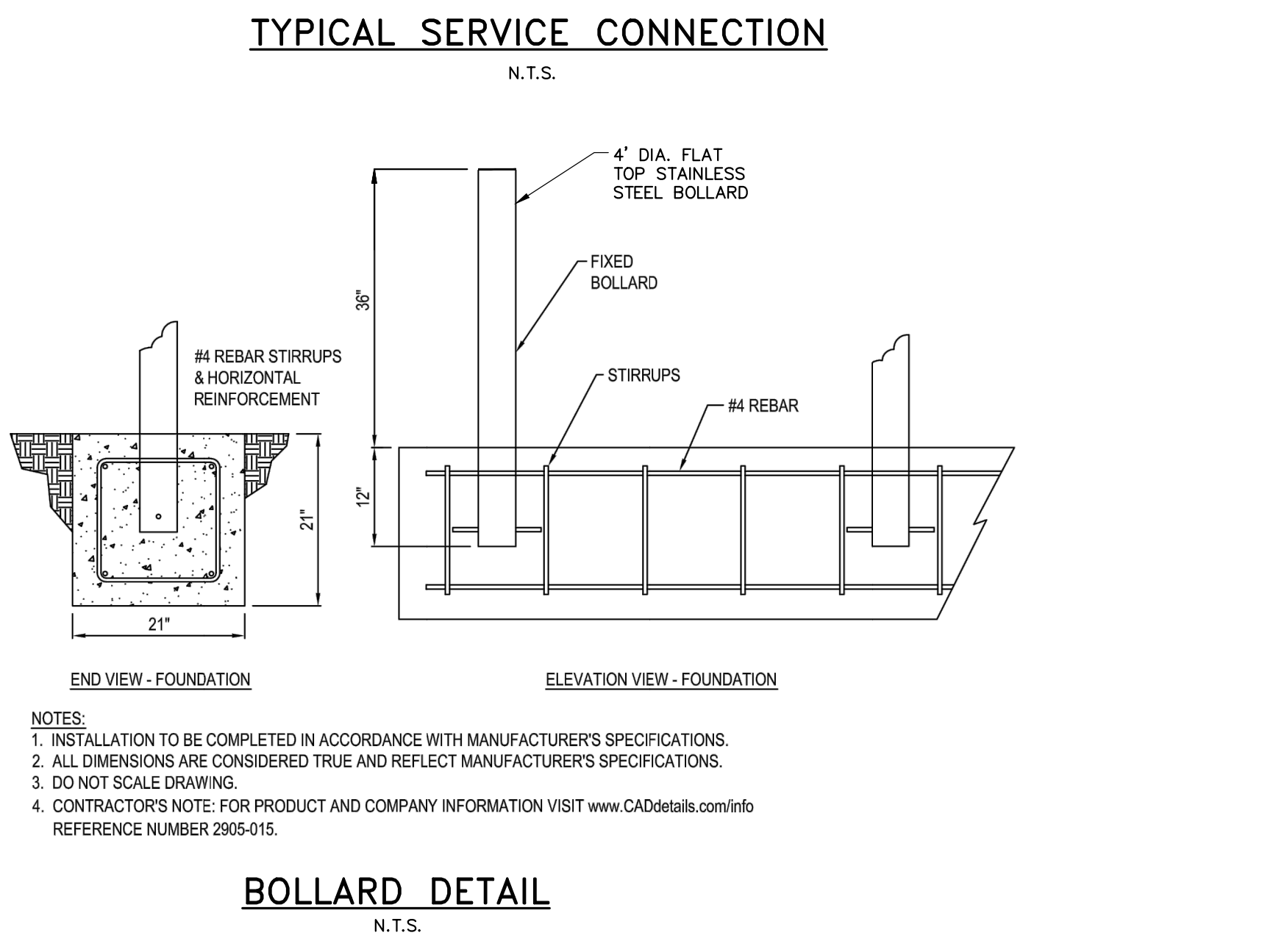
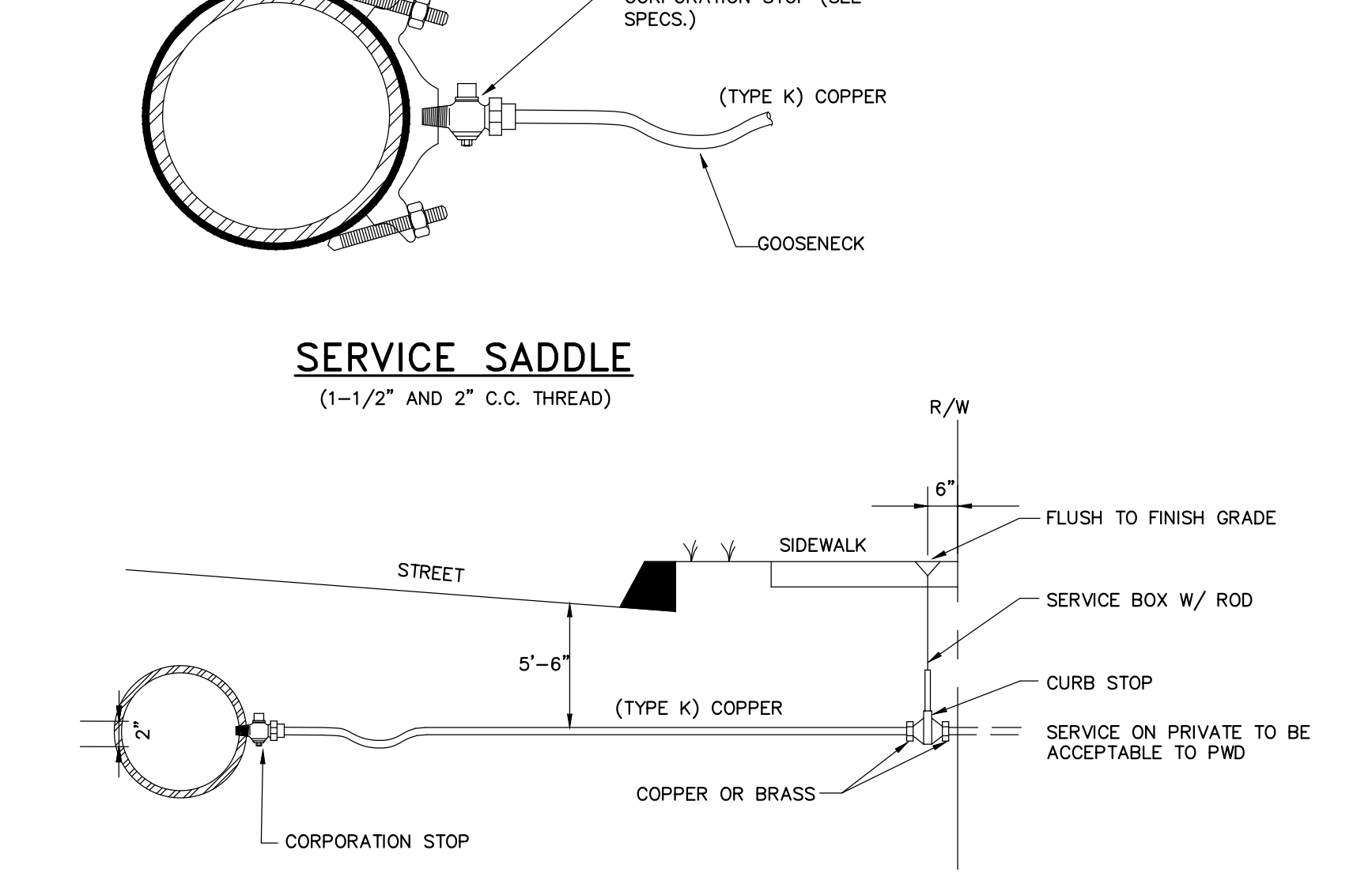
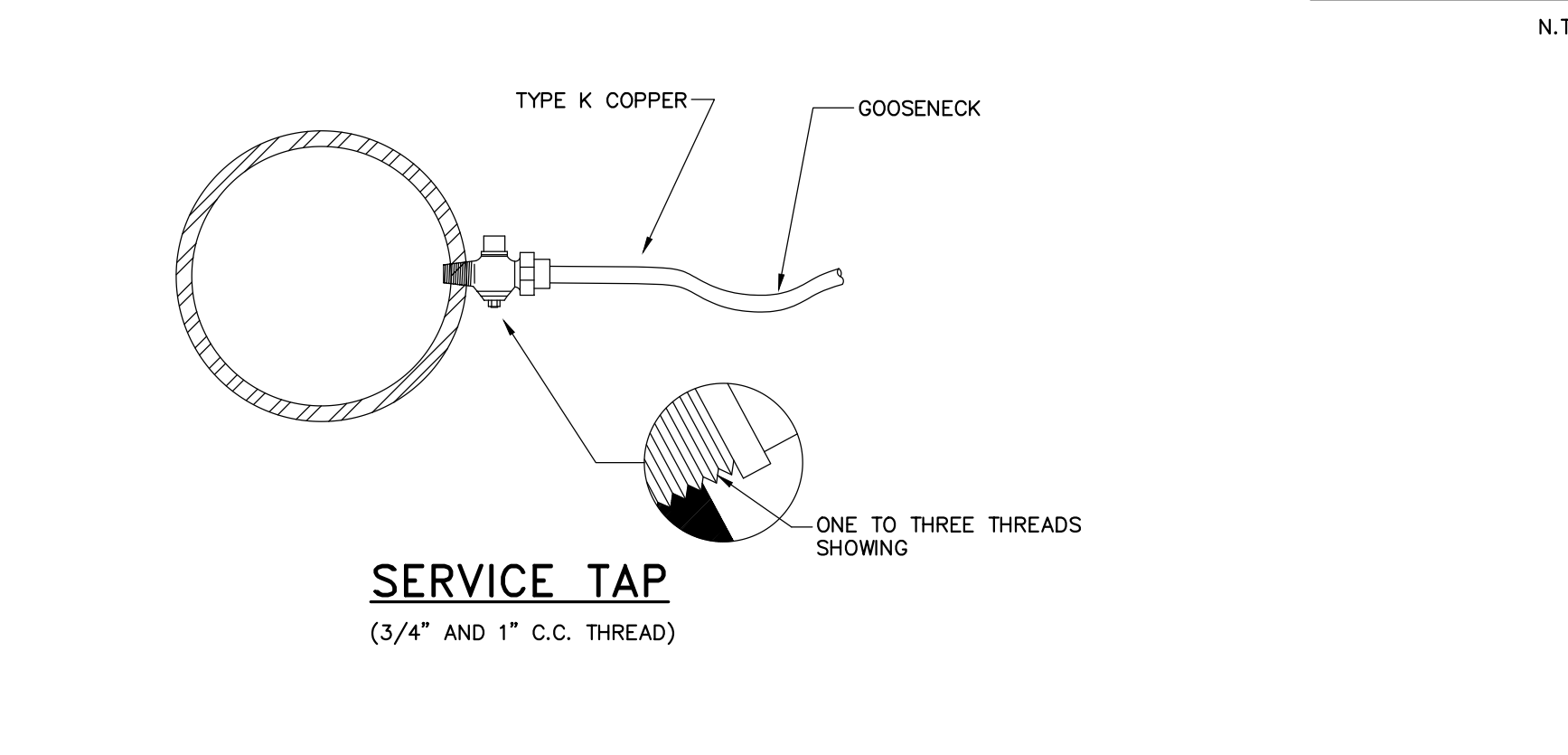
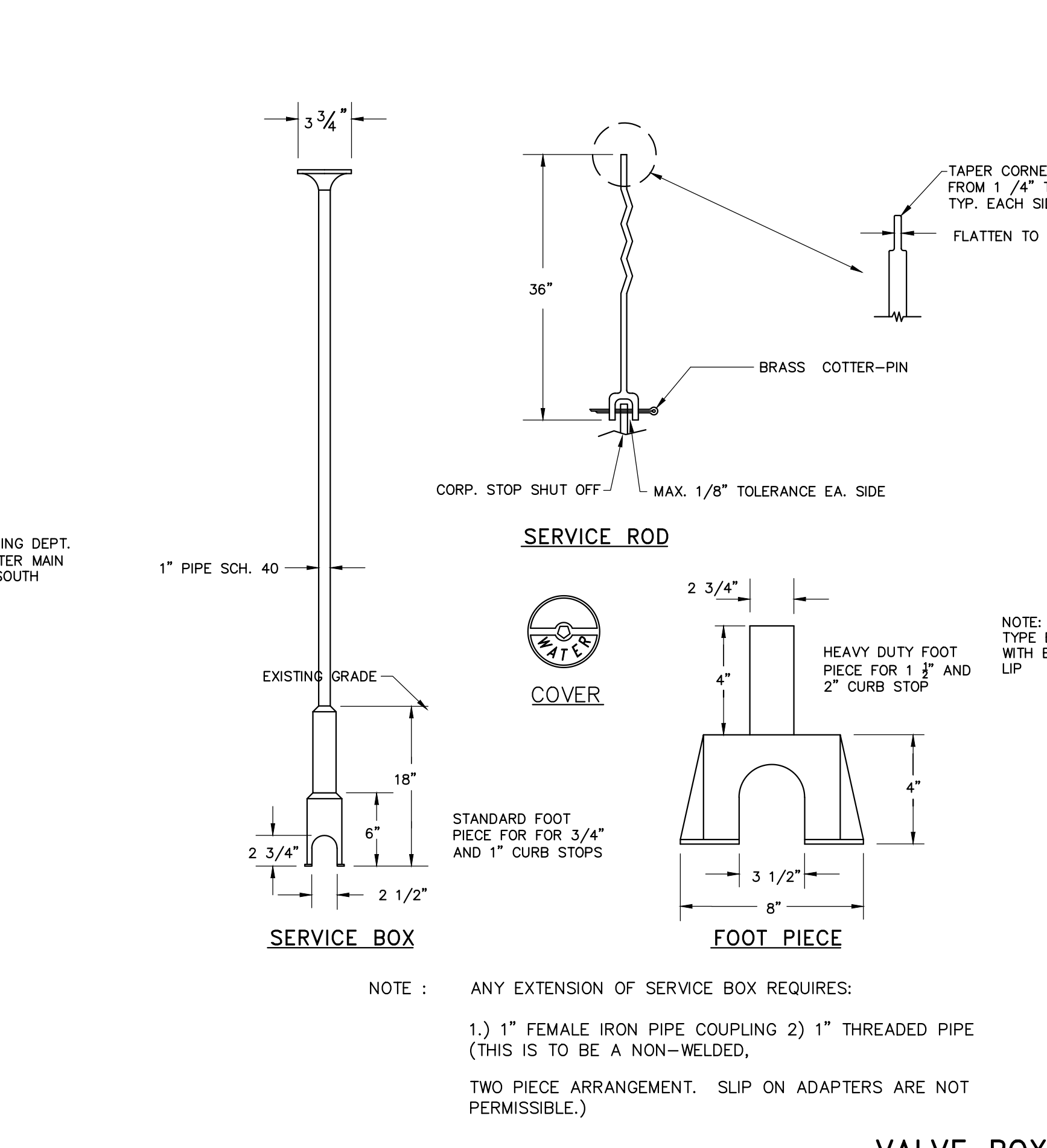
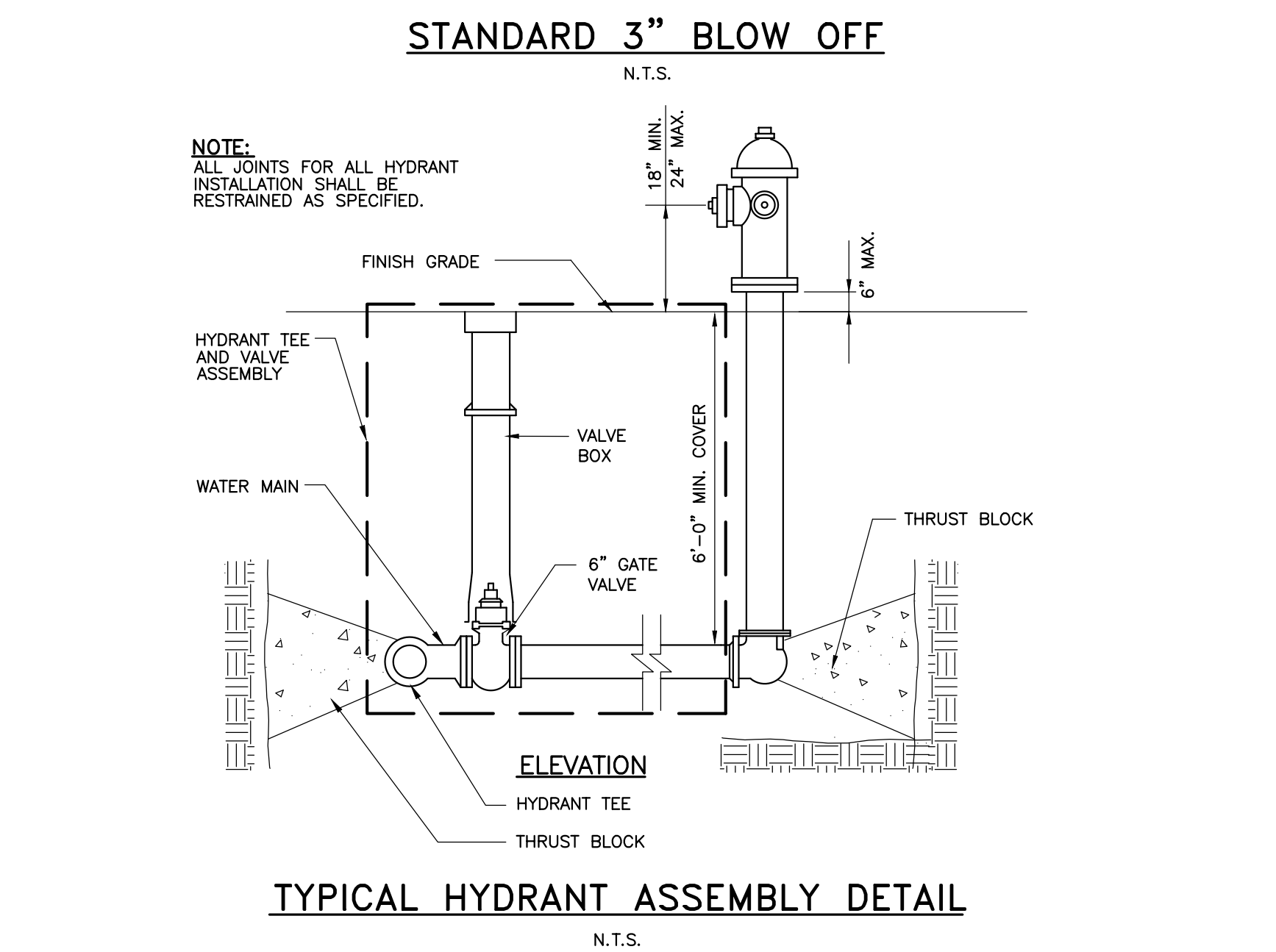
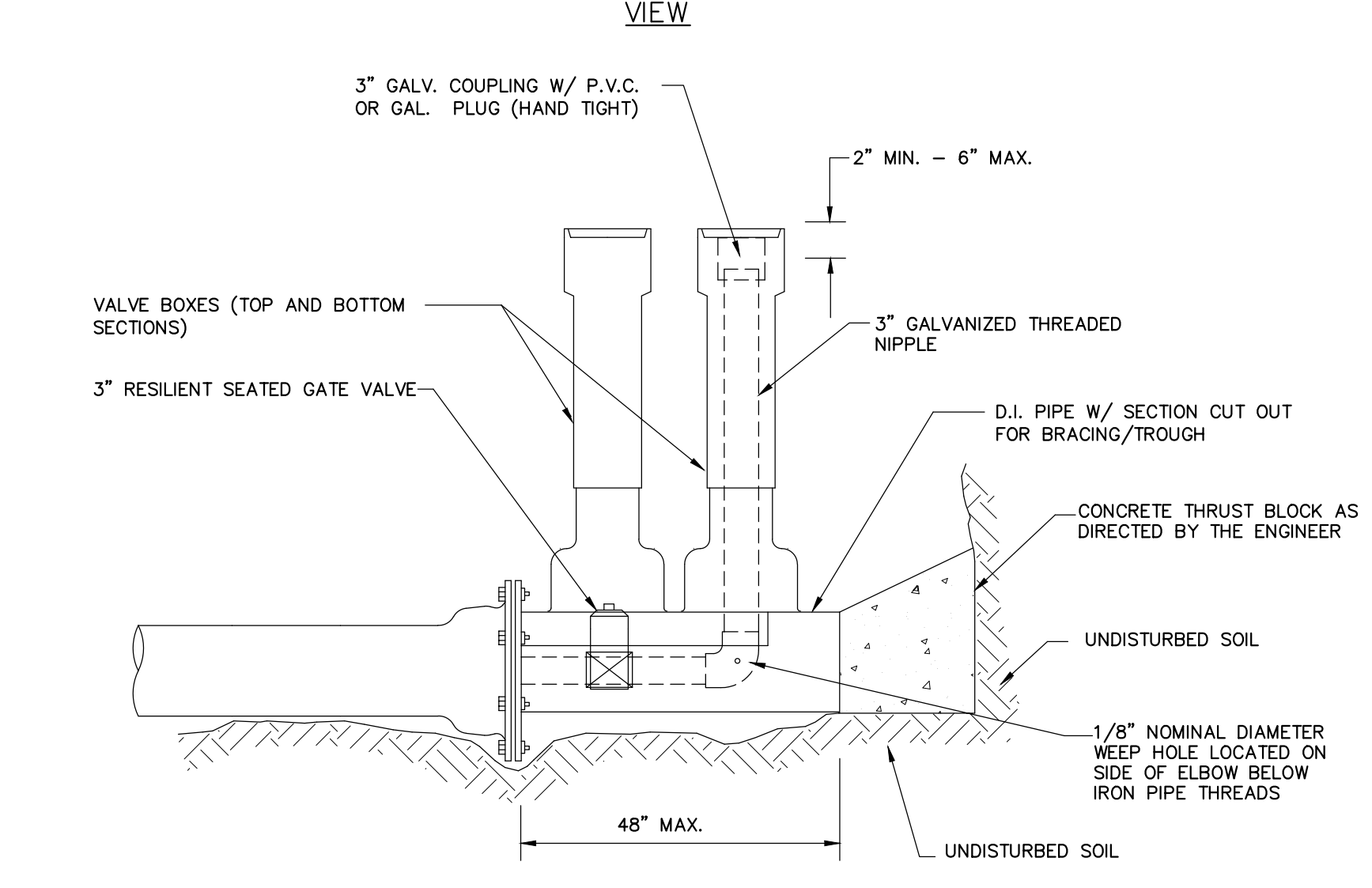
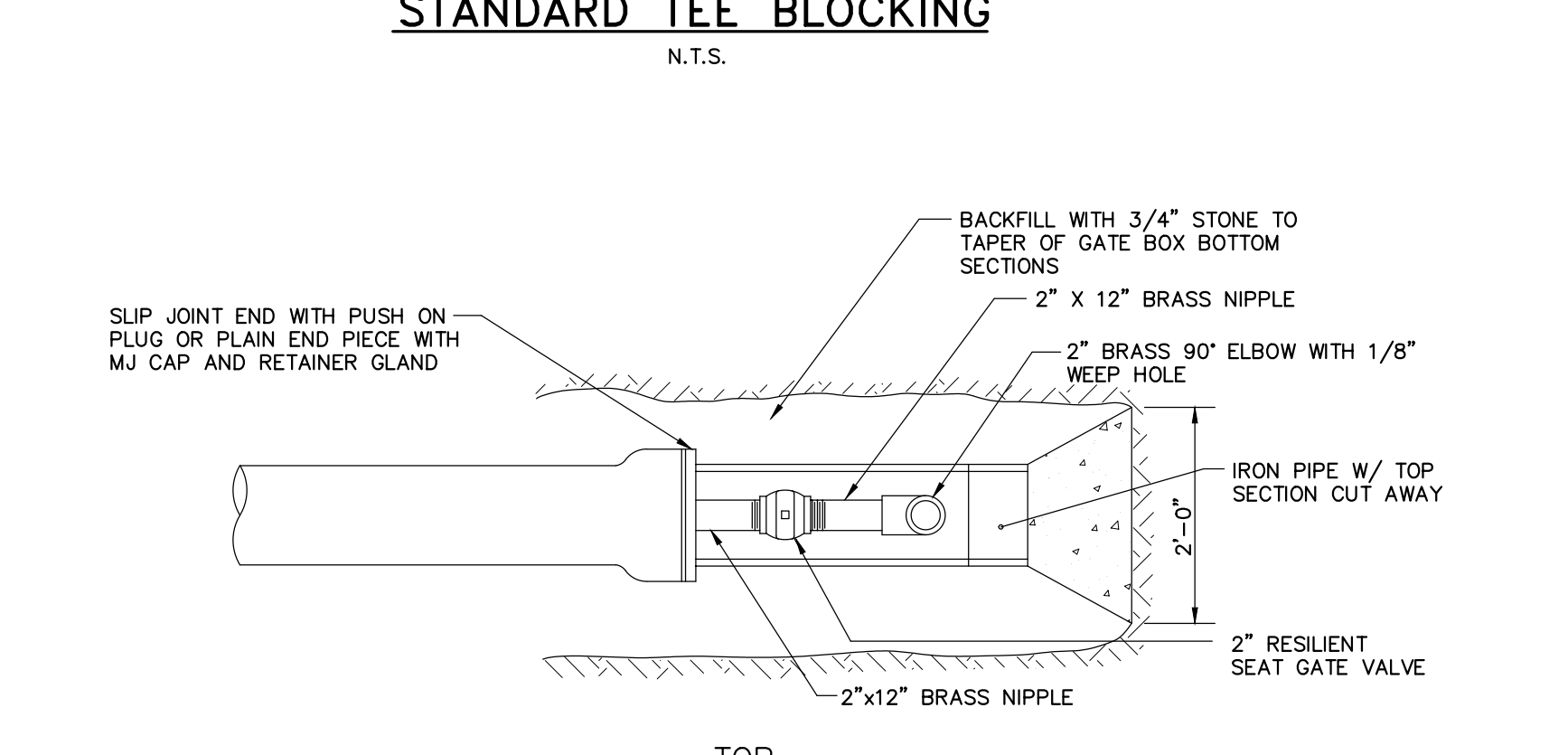
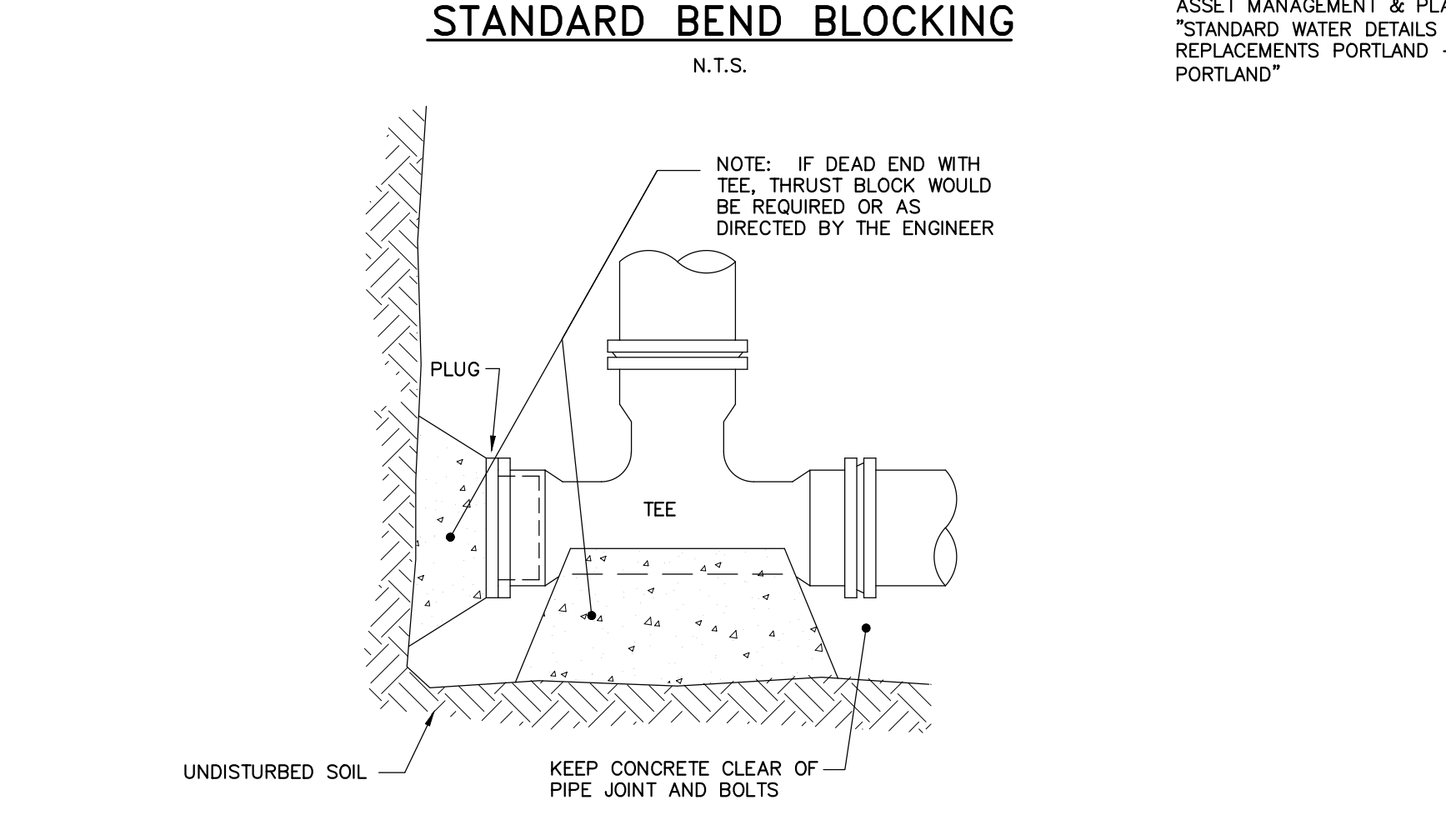
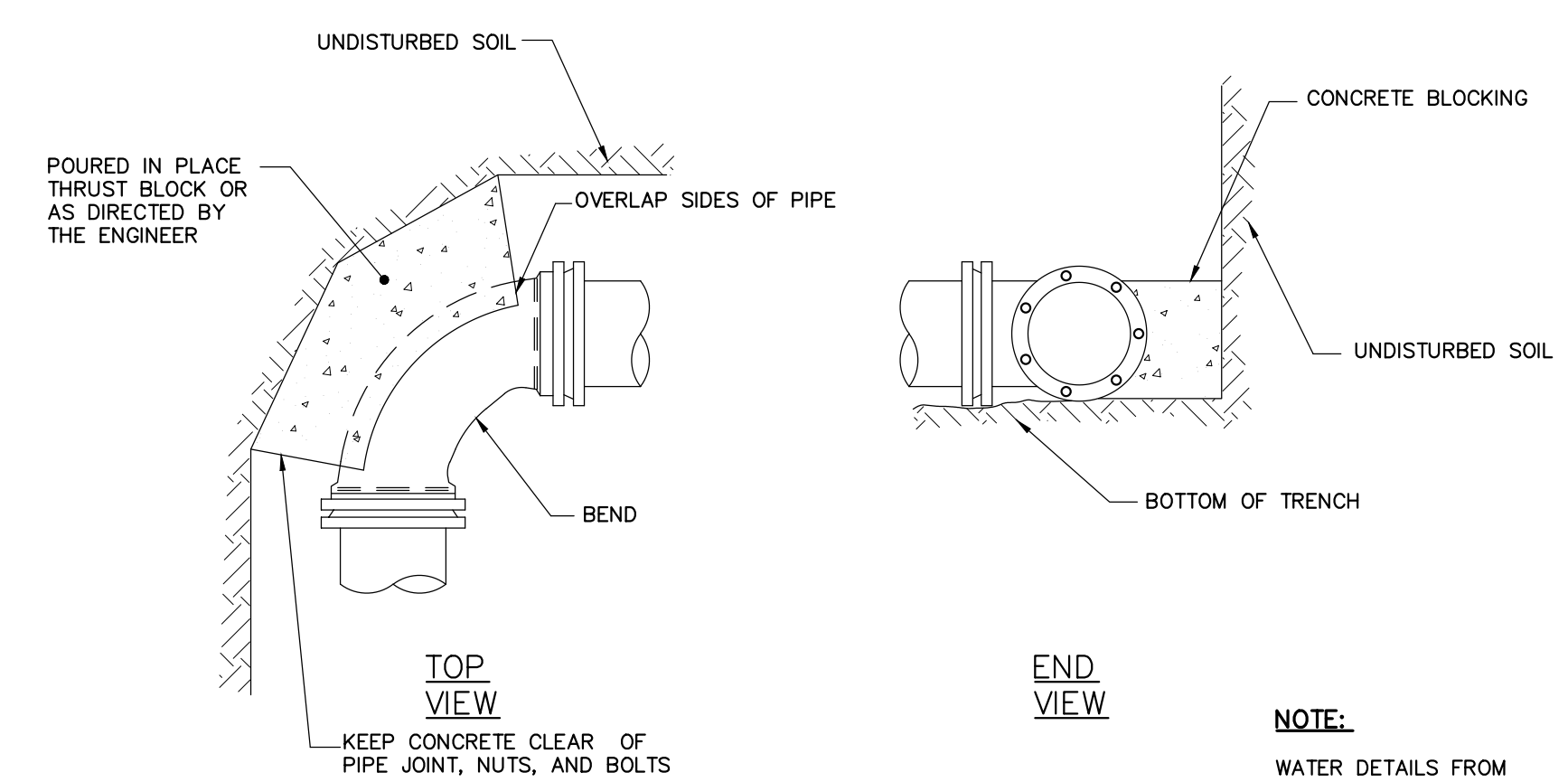
MMC ST. JOHN STREET
EMPLOYEE PARKING GARAGE



CITY OF PORTLAND
APPROVED SITE PLAN
SUBJECT TO CONDITIONS OF APPROVAL
AND STANDARD CONDITIONS

C-202
9/17/18

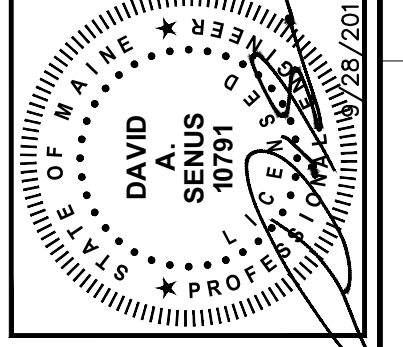
DATE OF APPROVAL
PLANNER: Neil Donaldson
PROJECT NO. 000207-2018



41 Hutchins Drive
Portland, Maine 04102
800.426.4282 | www.woodardcurran.com

WOODARD CURRAN

COMMITMENT & INTEGRITY DRIVE RESULTS



NO.	DATE	DESCRIPTION	BY	CHKD
1	8/28/2018	PERMIT SET	DM	DM
2				
3				
4				
5				
6				
7				
8				
9				
10				

DESIGNED BY: DMG
CHECKED BY: C-203
DATE: 03/19/2018

CIVIL DETAILS - 4

MAINE MEDICAL CENTER
BRANCH HALL STREET
PORTLAND, ME 04102

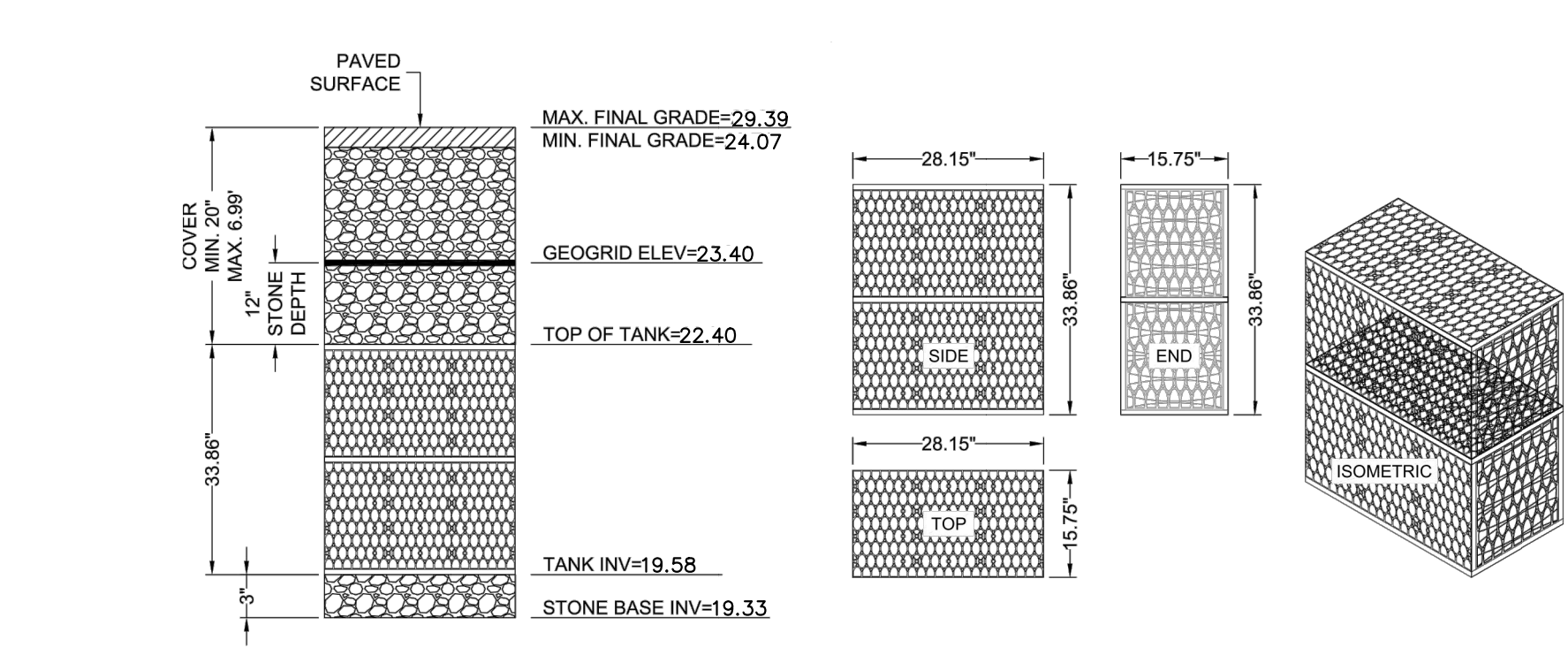
MMC ST. JOHN STREET
EMPLOYEE PARKING GARAGE

DATE OF APPROVAL: 9/11/18
PLANNER: Neil Donaldson
PROJECT NO.: 000207-2018

C-203

CITY OF PORTLAND
APPROVED SITE PLAN
SUBJECT TO CONDITIONS OF APPROVAL
AND STANDARD CONDITIONS

C:\Users\lmcadett\appdata\local\temp\AutoCAD\14183\0231158 C203.dwg, Sep 27, 2018 - 3:46pm

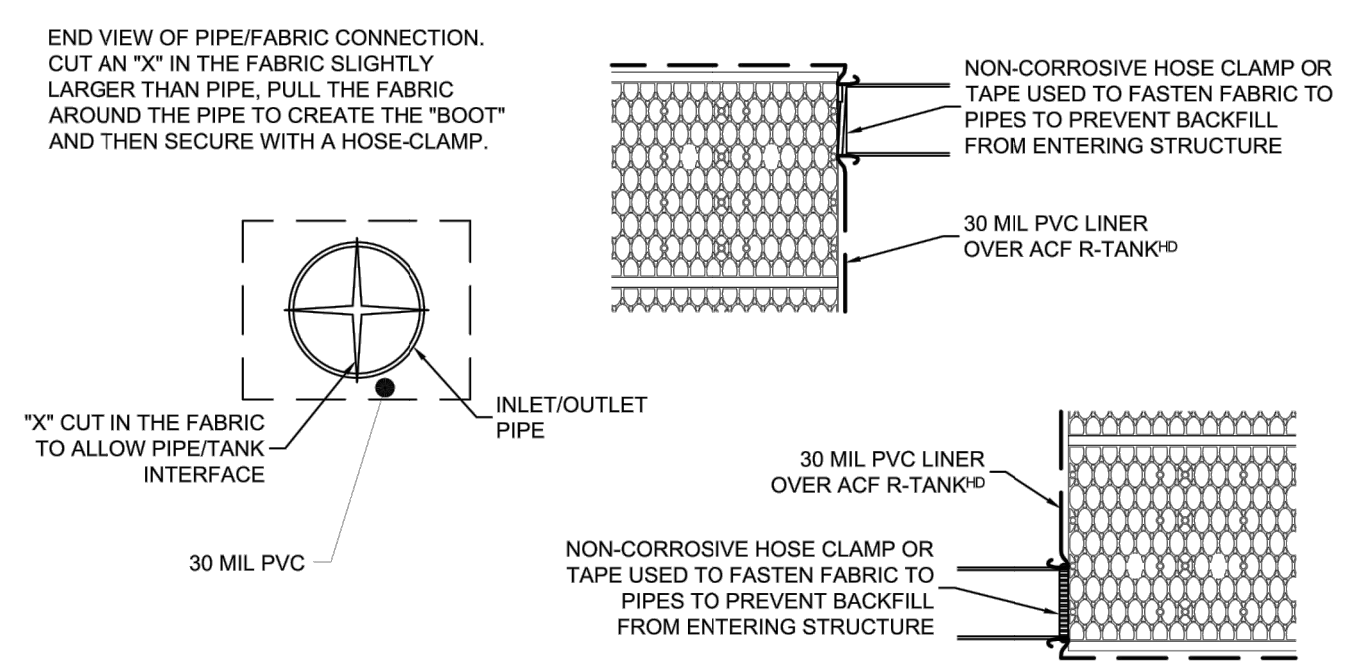


DOUBLE R-TANKHD-ELEVATION N.T.S.

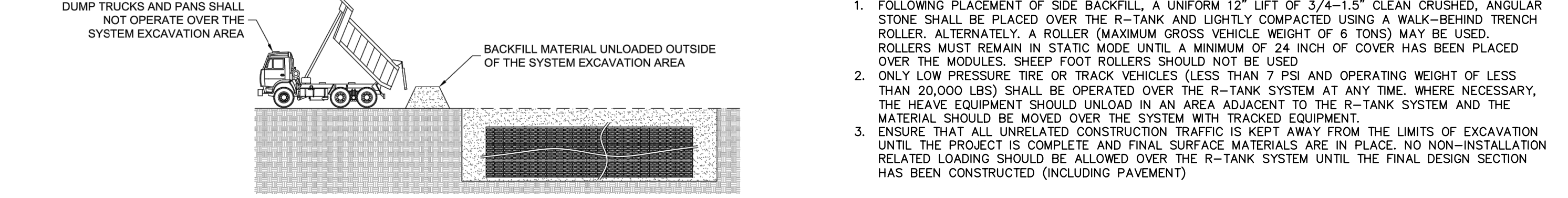
MODULE DATA

GEOMETRY: LENGTH = 28.15 IN. (715 MM) WIDTH = 15.75 IN. (400 MM) HEIGHT = 33.86 IN. (860 MM) TANK VOLUME = 8.66 CF STORAGE VOLUME = 8.25 CF VOID INTERNAL VOLUME: 90% VOID SURFACE AREA: 90%	LOAD RATING: 33.4 PSI (MODULE ONLY) HS20 (WITH ACF COVER SYSTEM) MATERIAL: 100% RECYCLED POLYPROPYLENE SMALL PLATES PER SEGMENT/TOTAL: 5/10
--	--

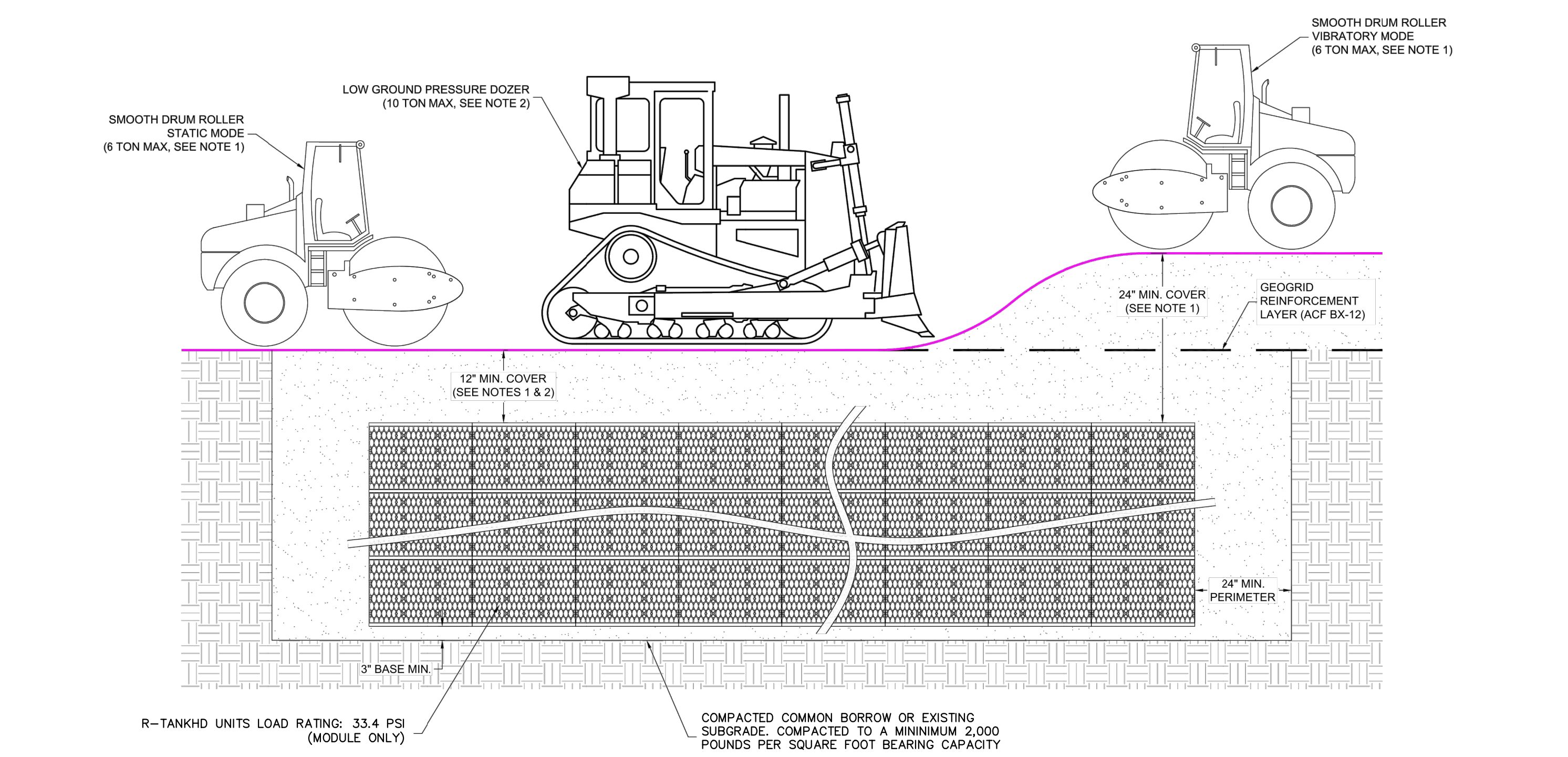
DOUBLE R-TANKHD-MODULE DETAIL N.T.S.



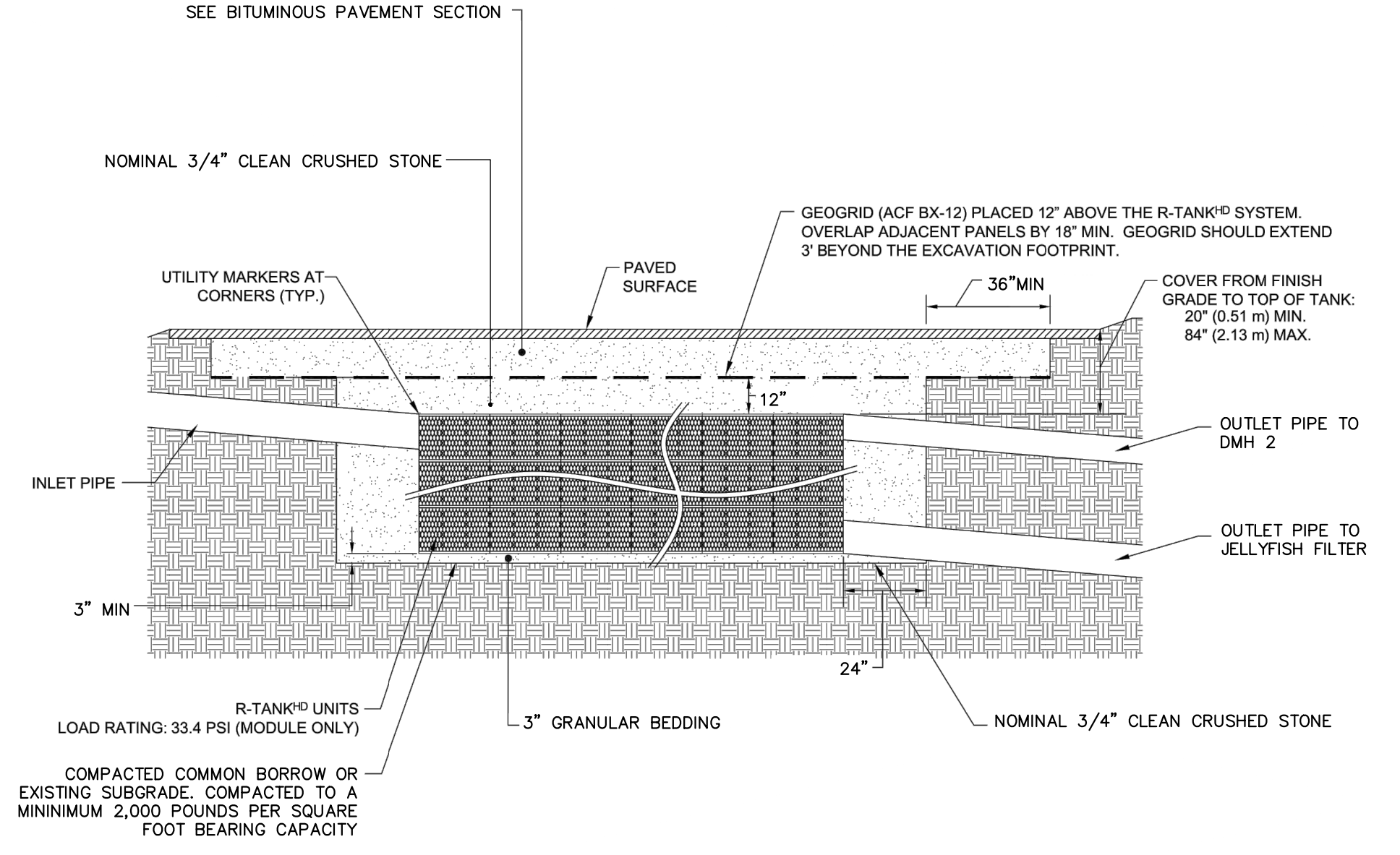
DOUBLE R-TANKHD-TYPICAL INLET/OUTLET DETAIL N.T.S.



DUMP TRUCK DETAIL (SEE NOTE 3)

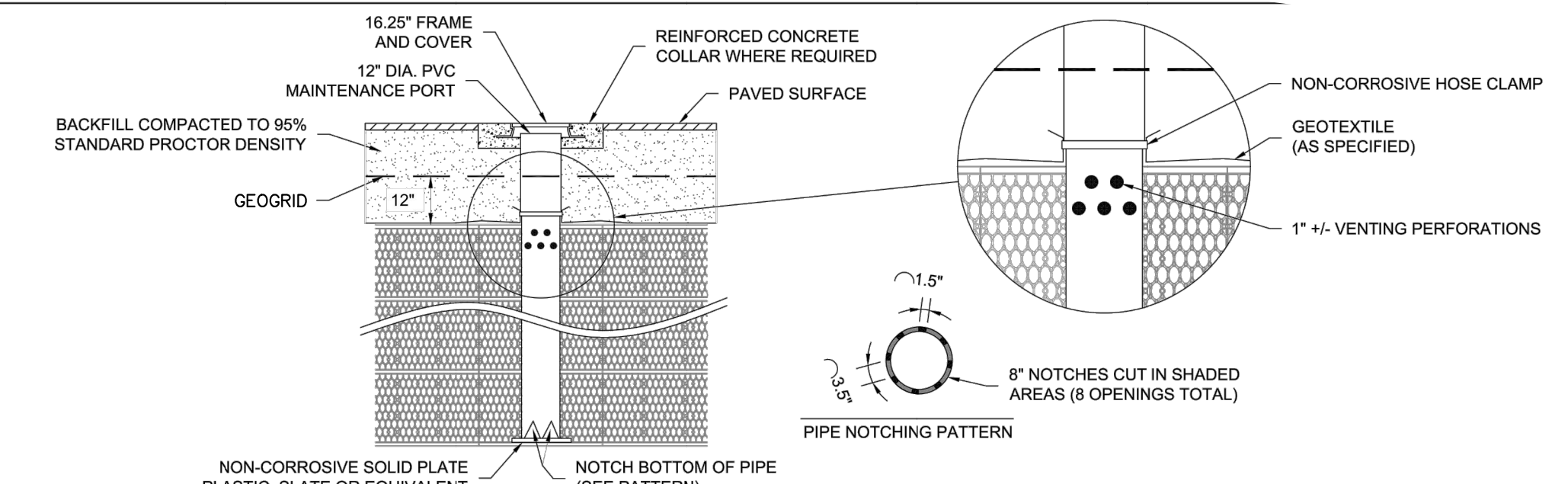


DOUBLE R-CONSTRUCTION EQUIPMENT COVER DETAIL N.T.S.

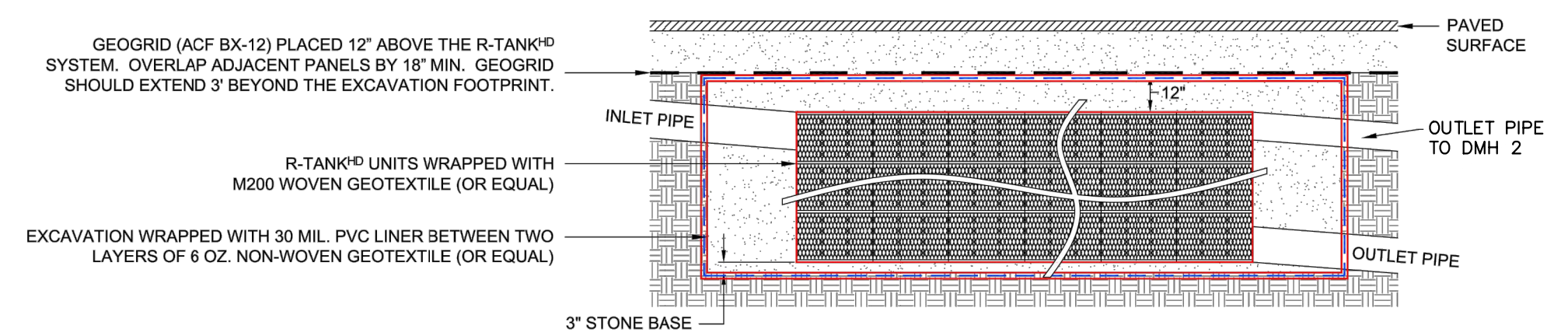
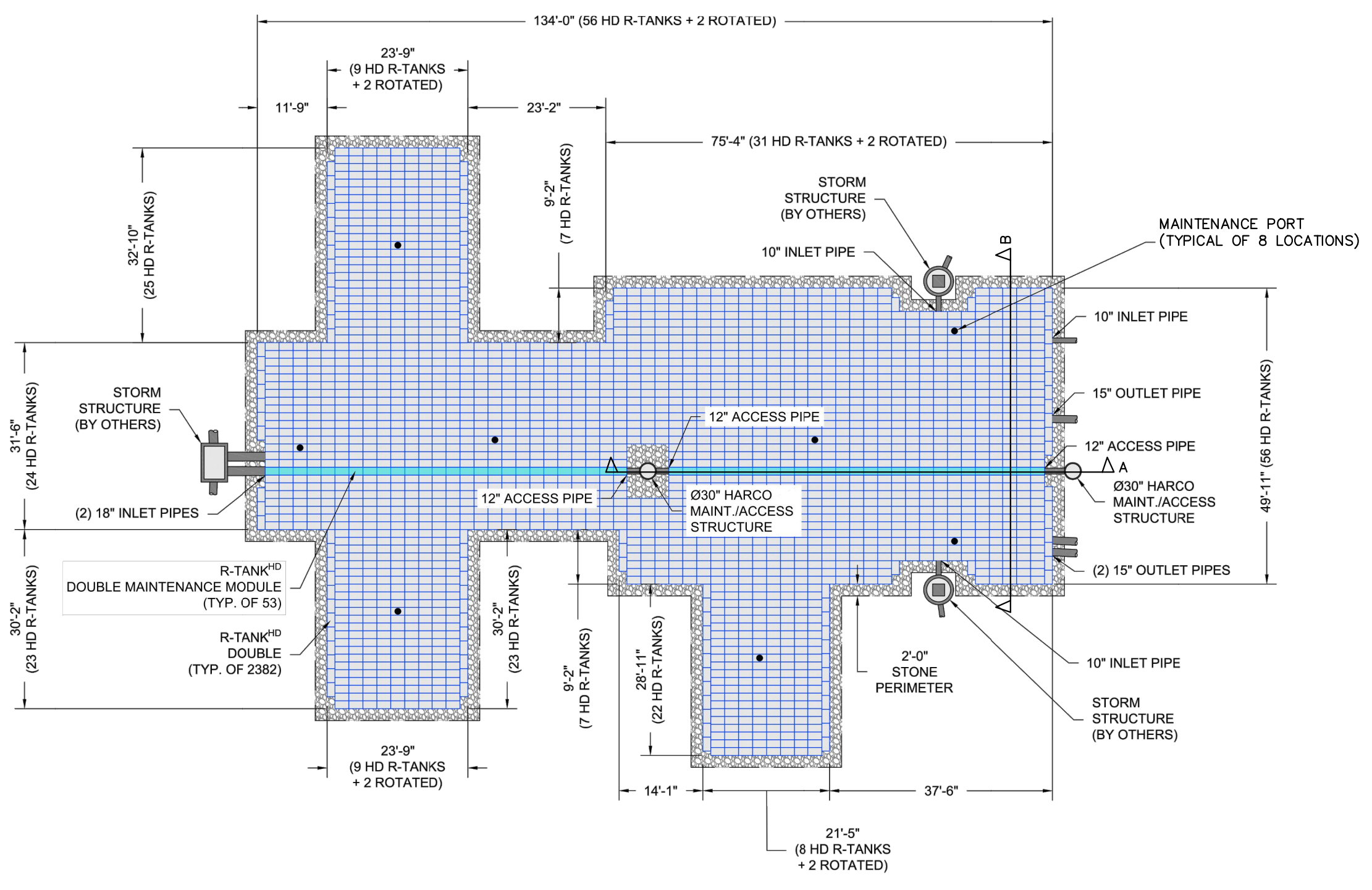


R-TANKHD & H-20 LOAD SECTION VIEW N.T.S.

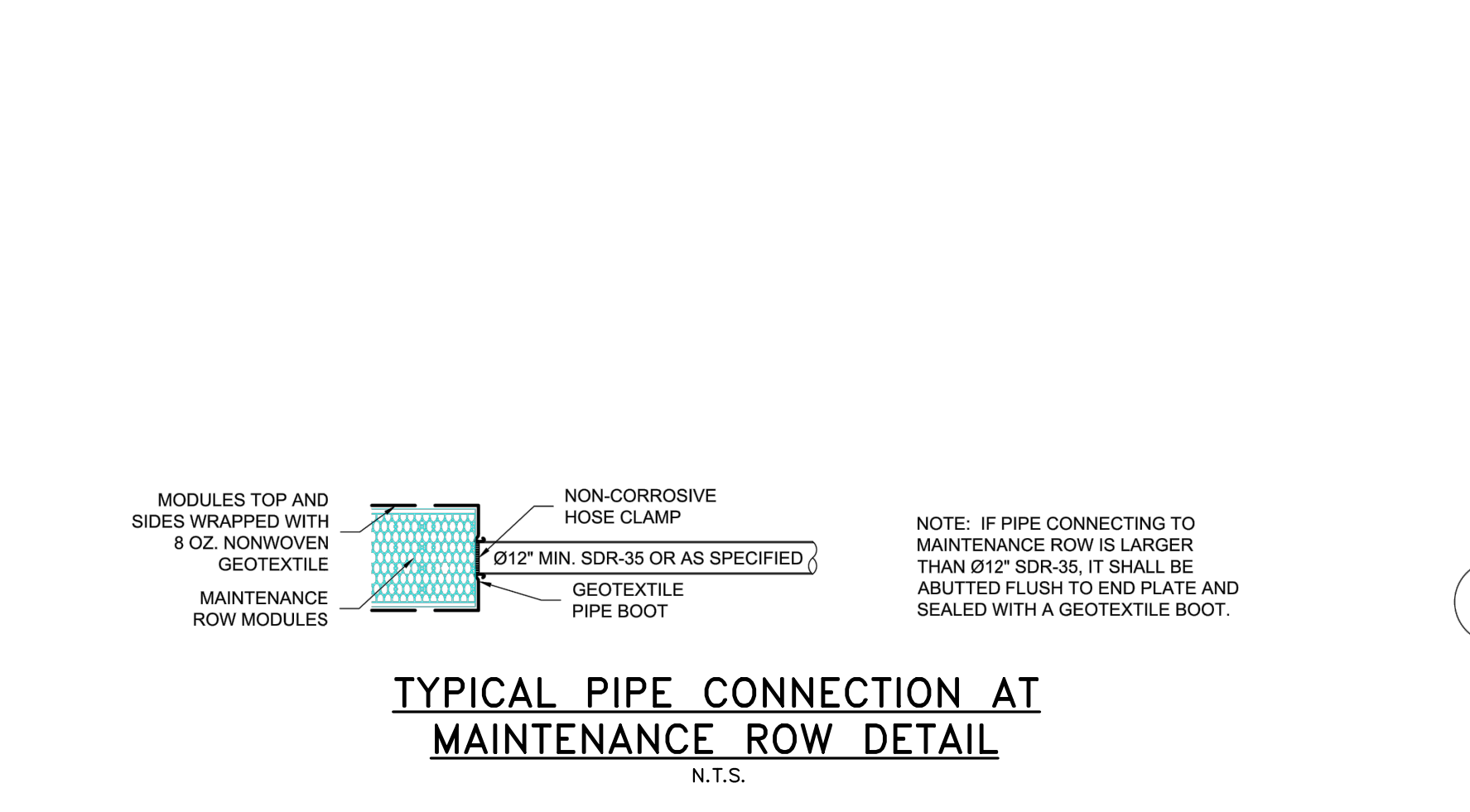
- NOTES**
- THIS PORT IS USED TO PUMP WATER INTO THE SYSTEM AND RE-SUSPEND ACCUMULATED SEDIMENT SO THAT IT MAY BE PUMPED OUT.
 - MINIMUM REQUIRED MAINTENANCE INCLUDES A QUARTERLY INSPECTION DURING THE FIRST YEAR OF OPERATION AND A YEARLY INSPECTION THEREAFTER. FLUSH AS NEEDED.



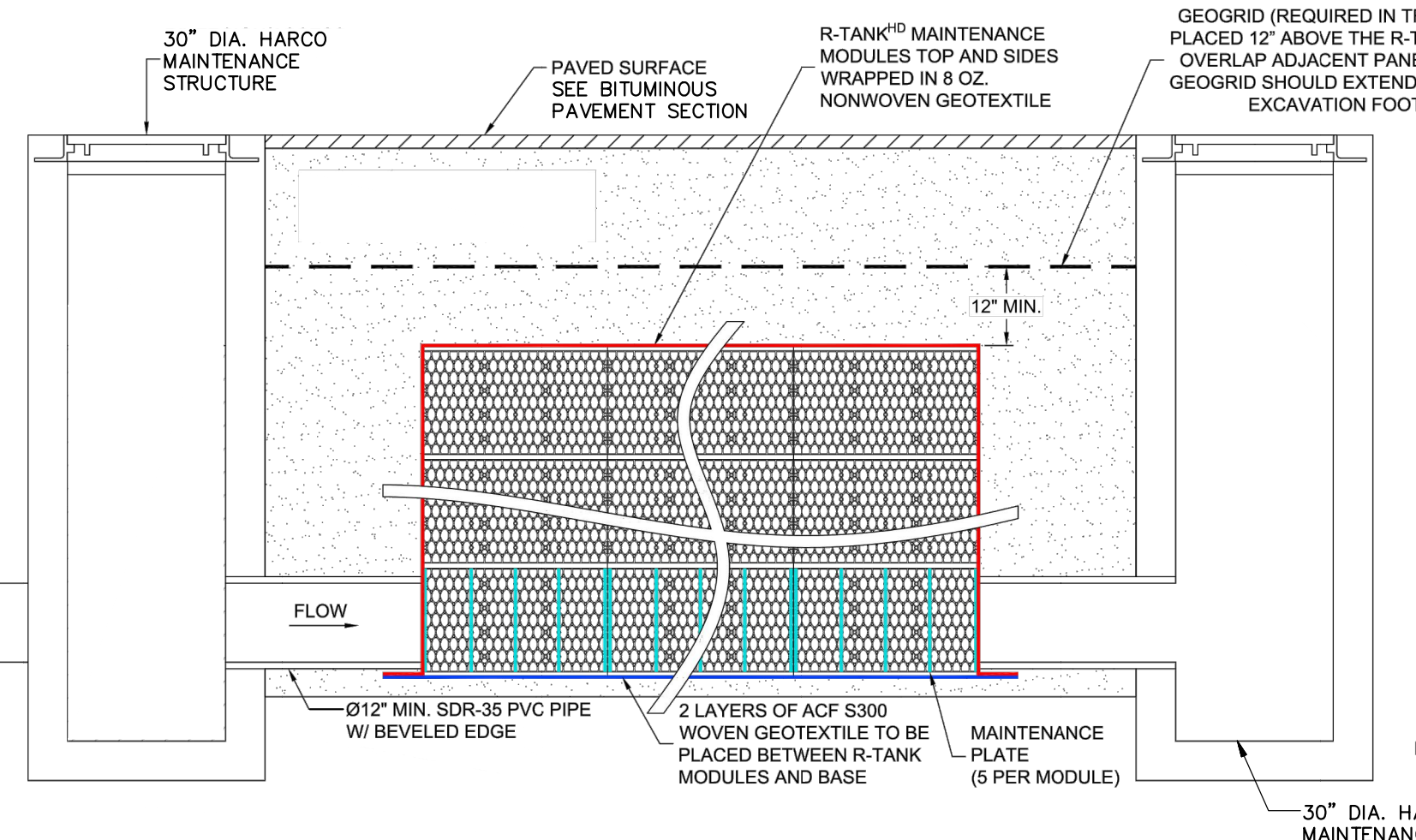
R-TANKHD TYPICAL MAINTENANCE PORT N.T.S.



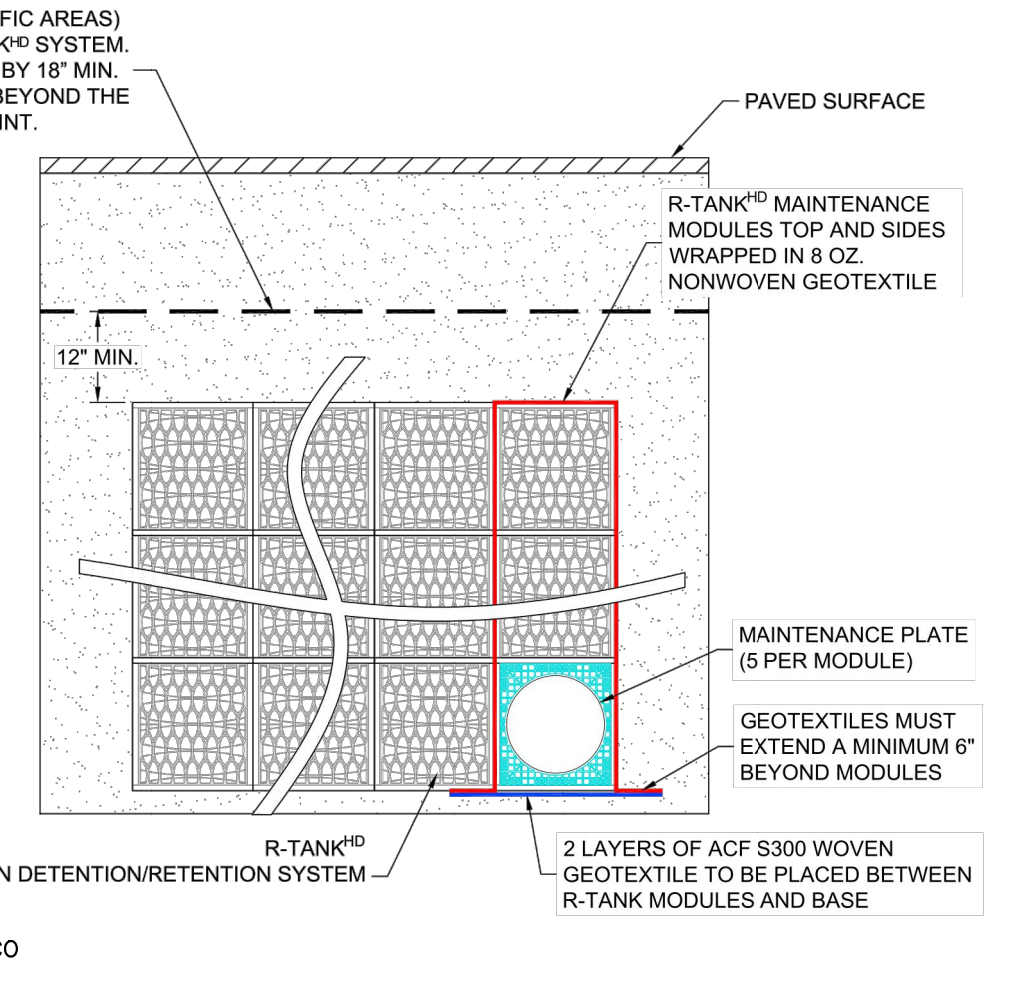
R-TANKHD TANK WRAP & EXCAVATION ENVELOPE DETAIL N.T.S.



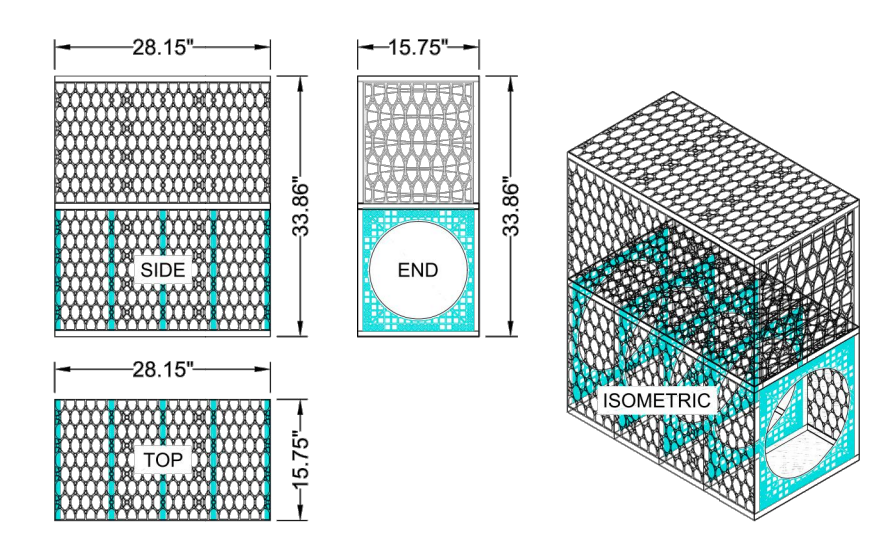
TYPICAL PIPE CONNECTION AT MAINTENANCE ROW DETAIL N.T.S.



R-TANK MAINTENANCE ROW SECTION A-A N.T.S.



R-TANK MAINTENANCE ROW SECTION B-B N.T.S.



DOUBLE R-TANK MAINTENANCE MODULE DETAILS N.T.S.

41 Hutchins Drive
Portland, Maine 04102
800.426.4262 | www.woodwardcurran.com

WOODWARD CURRAN

COMMITMENT & INTEGRITY DRIVE RESULTS

DAVID A. SENUS
REGISTERED PROFESSIONAL ENGINEER
MAINE
LICENSE NO. 10001
EXPIRES 12/31/2018

NO.	DESCRIPTION	DATE	BY	CHKD
1	PERMIT SET	8/28/2018		
2	DESIGNED BY: GMS			
3	DESIGNED BY: GMS			
4	DESIGNED BY: GMS			
5	DESIGNED BY: GMS			
6	DESIGNED BY: GMS			
7	DESIGNED BY: GMS			
8	DESIGNED BY: GMS			
9	DESIGNED BY: GMS			
10	DESIGNED BY: GMS			

CIVIL DETAILS - 5

MAINE MEDICAL CENTER
BRANCHHALL STREET
PORTLAND, ME 04102

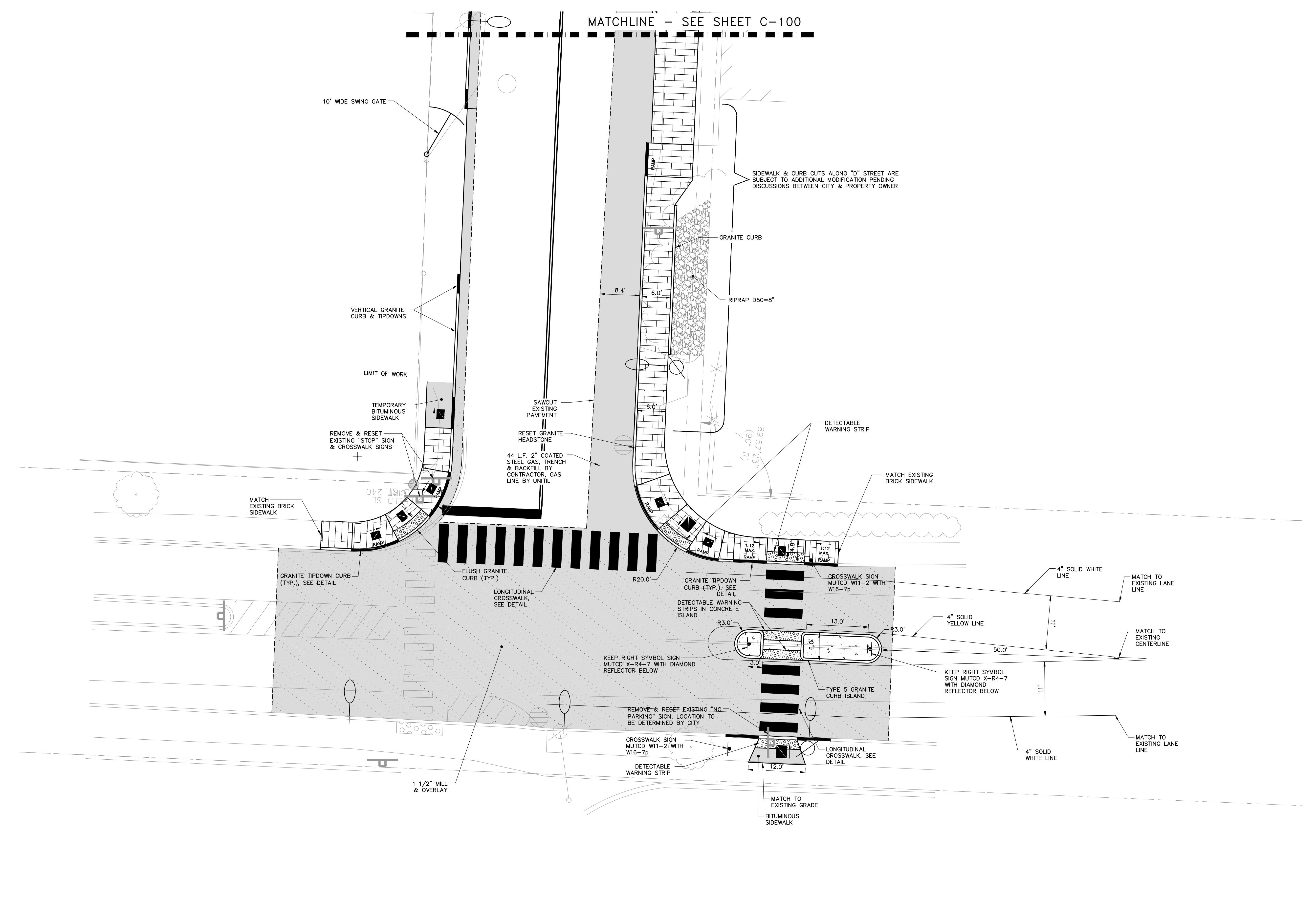
MMC ST. JOHN STREET
EMPLOYEE PARKING GARAGE

CITY OF PORTLAND
APPROVED SITE PLAN
SUBJECT TO CONDITIONS OF APPROVAL
AND STANDARD CONDITIONS

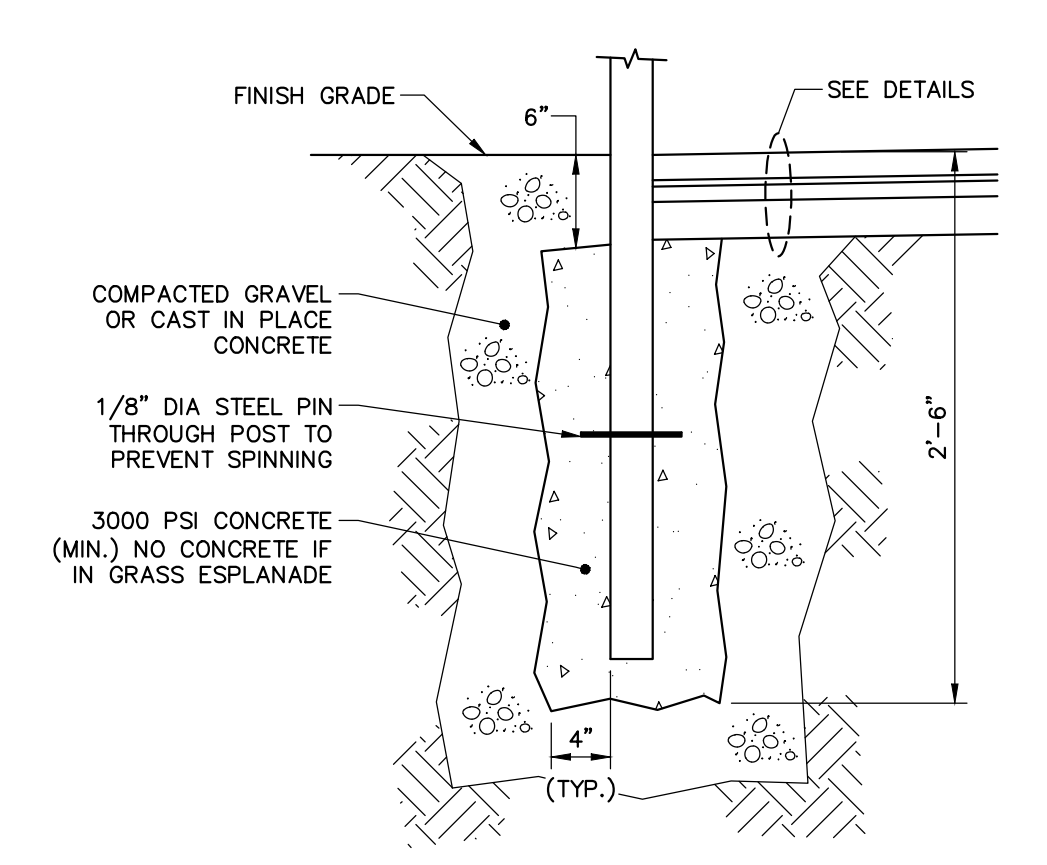
C-204
9/11/18

DATE OF APPROVAL
PLANNER: Neil Donaldson
PROJECT NO. 000207-2018

C:\Users\lwoodward\appdata\local\temp\4418B\0231158 C20X.dwg, Sep 27, 2018 - 3:47pm

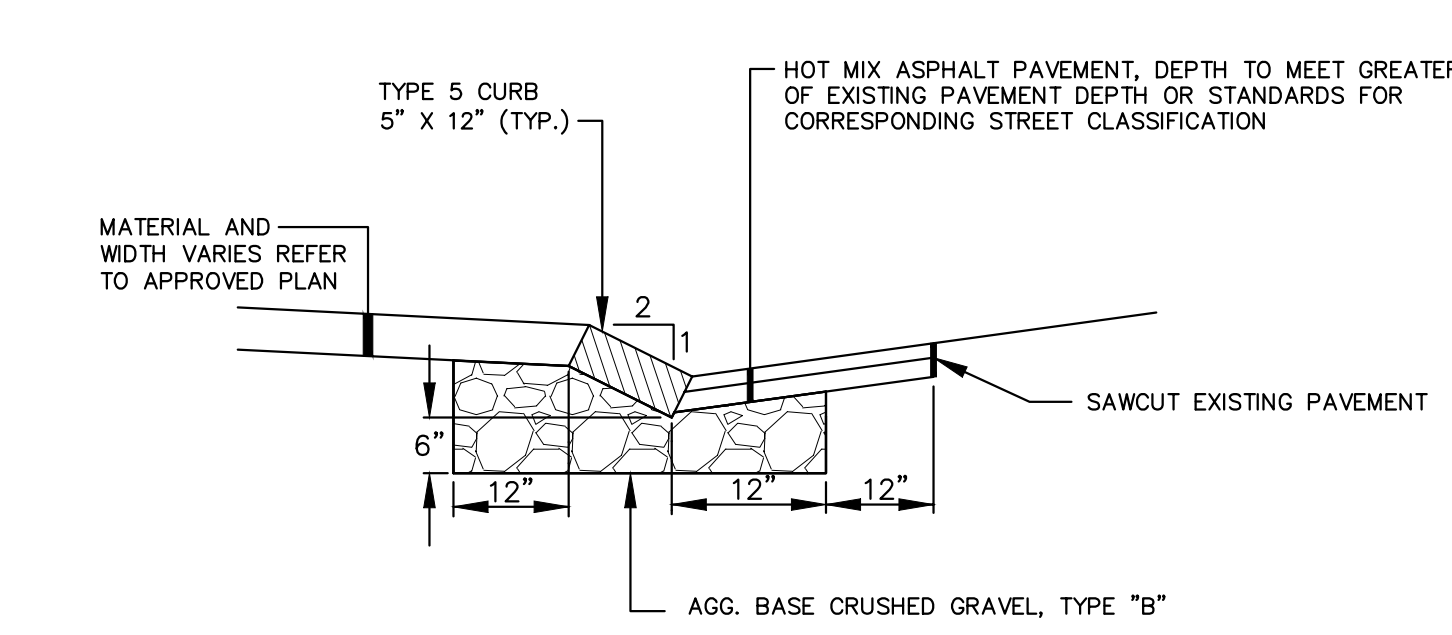


VALLEY STREET & "D" STREET INTERSECTION
SCALE: 1"=10'



POST SPECIFICATION		
TYPE	HEIGHT ABOVE FIN. GRADE	POST MATERIAL
STREET SIGNAGE	7'-0"	GALV. STEEL

N.T.S.



SLOPED GRANITE CURB - INSTALLATION IN EXISTING STREETS
N.T.S.
NOTE: INDIVIDUAL PIECES OF CURB SHORTER THAN 4 L.F. ARE NOT ALLOWED, WITH THE EXCEPTION OF RADIAL CURB.



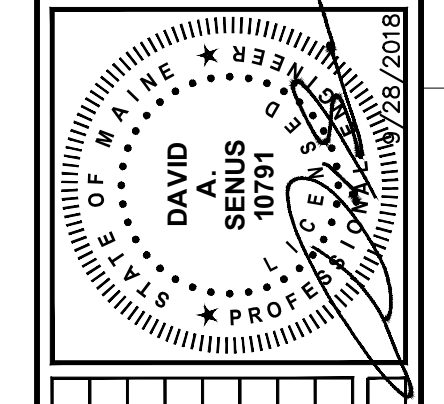
CROSSWALK WITH LONGITUDINAL LINES
N.T.S.

41 Hutchins Drive
Portland, Maine 04102
800.426.4262 | www.woodscorran.com

**WOODS
& SCORRAN**

COMMITMENT & INTEGRITY DRIVE RESULTS

PROFESSIONAL ENGINEERING, ARCHITECTURE, INTERIOR DESIGN, LANDSCAPE ARCHITECTURE, PLANNING, ENVIRONMENTAL SCIENCE, AND CONSTRUCTION MANAGEMENT SERVICES



NO.	DESCRIPTION	DATE	BY	CHKD.
1	CITY COORDINATION REVISION	10/12/2018		
2	PERMIT SET	12/28/2018		

DESIGNED BY: GUS
DRAWN BY: BOU
CHECKED BY: GUS
DATE: 02/19/2019

CIVIL DETAILS - 7	
MAINE MEDICAL CENTER BRANFILL STREET PORTLAND, ME 04102	MMC ST. JOHN STREET EMPLOYEE PARKING GARAGE

DATE OF APPROVAL: 9/11/18
PLANNER: Neil Donaldson
PROJECT NO.: 000207-2018

CITY OF PORTLAND
APPROVED SITE PLAN
Subject to the Conditions of Approval
and Standard Conditions

C-206