

SHINGLEMILL APARTMENTS

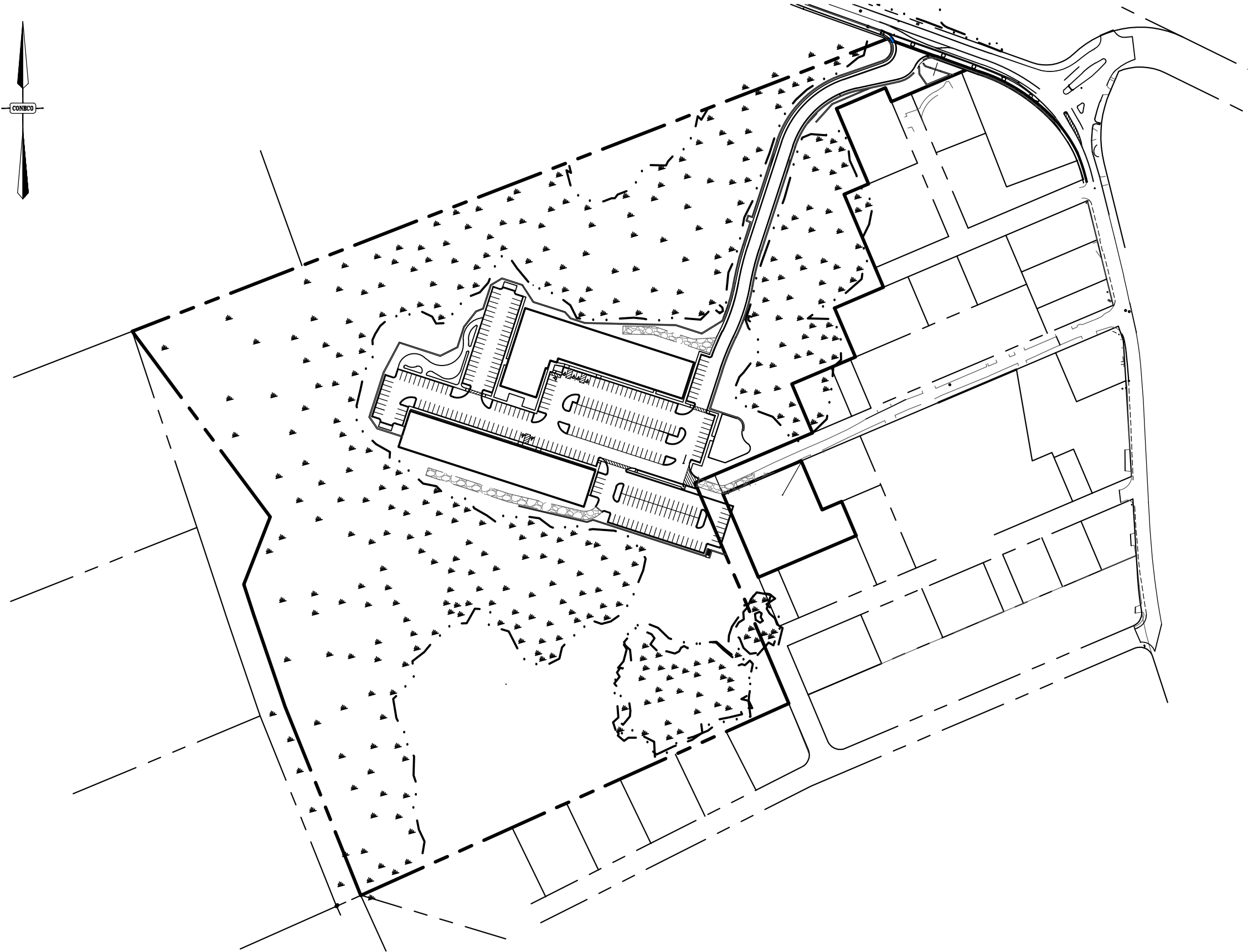
COMPREHENSIVE PERMIT PLANS

75-79 POND STREET

ROCKLAND, MASSACHUSETTS 02370



MASSGIS 2008 AERIAL PHOTO
SCALE: 1" = 500'



SCALE: 1" = 200'

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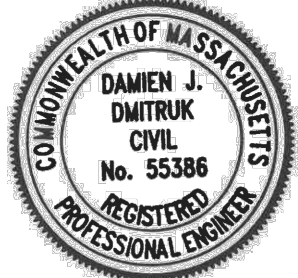
SITE INFORMATION:
ZONING DISTRICT: H-1 INDUSTRIAL PARK-HOTEL
TOTAL GROSS AREA: 29.71 Ac.
TOTAL BUILDING AREA: 1.28 Ac.
TOTAL PAVEMENT & PARKING AREA: 2.20 Ac.
TOTAL WETLAND OPEN SPACE: 16.54 Ac.

PREPARED FOR:
SHINGLEMILL, LLC
4 FIRST STREET
BRIDGEWATER, MASSACHUSETTS 02324

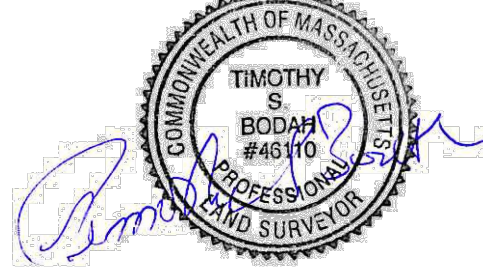
PREPARED ON:
APRIL 14, 2022
REVISED APRIL 26, 2023



4 FIRST STREET, BRIDGEWATER, MASSACHUSETTS 02324
PHONE: 508.697.3191, FAX: 508.697.5996
WEBSITE: www.coneco.com

ENGINEER:
DAMIEN J. DMITRUK, P.E.
CONECO ENGINEERS & SCIENTISTS, INC.
BRIDGEWATER, MA 02324

MASSACHUSETTS REGISTERED PROFESSIONAL ENGINEER #55386

4/26/2023
DATE:

SURVEYOR:
TIMOTHY S. BODAH, P.L.S.
CONECO ENGINEERS & SCIENTISTS, INC.
BRIDGEWATER, MA 02324

MASSACHUSETTS REGISTERED PROFESSIONAL LAND SURVEYOR #46110

4/26/2023
DATE:

SHINGLEMILL APARTMENTS			
75-79 POND STREET, ROCKLAND, MASSACHUSETTS 02370			
R E V I S I O N S			
NO.	DATE	DESCRIPTION	DR/CK
1	9/23/22	GRADING & DRAINAGE REDESIGN	DJD/MSD
2	11/21/22	GRADING & DRAINAGE REDESIGN	DJD/MSD
3	4/26/23	PER REVIEW COMMENTS	BTM/DJD

LEGEND		
EXISTING	PROPOSED	DESCRIPTION
		PROPERTY LINE
		PROPERTY LINE ABUTTER
		EASEMENT LINE
		FLOOD ZONE
		EDGE OF BORDERING VEG
		25' BVW BUFFER
		50' BVW BUFFER
		100' BVW BUFFER
		EDGE OF VERNAL POOL
		100' VERNAL POOL BUFFER
		PUBLIC SURFACE WATER
		PUBLIC SURFACE WATER
		MAJOR GROUND CONTOUR
		MINOR GROUND CONTOUR
		EDGE OF PAVEMENT
		VERTICAL CURB
		CAPE COD BERM
		BUILDING
		TREE LINE
		ROCK WALL
		LIMIT OF WORK/EROSION
		DRAINAGE LINE
		GUARD RAIL
		POST AND RAIL FENCE
		CHAIN LINK FENCE
		GAS LINE
		WATER LINE
		SEWER LINE
		OVERHEAD WIRE
		TELEPHONE
		ELECTRIC/TELEPHONE/COM
		SEWER MANHOLE
		DRAIN/WEIR/WQU MANHOLE
		CATCH BASIN
		DOUBLE GRATE CATCH BASIN
		TEST PIT
		UTILITY POLE
		GUY WIRE
		LIGHT POLE
		CONCRETE BOUND W/ DRIVE
		IRON PIN
		DRILL HOLE
		BANK/WETLAND FLAG
		WATER VALVE
		GAS VALVE
		HYDRANT
		MONITORING WELL
		PARKING SPACE COUNT
		SEWER CLEAN OUT
		FLARED END SECTION
		SIGN

ABBREVIATIONS		
	ABBREV.	DESCRIPTION
	BB	BITUMINOUS BERM
	BC	BOTTOM OF CURB
	BIT.	BITUMINOUS
	BLDG	BUILDING
	BM	BENCH MARK
	BOS	BOTTOM OF SLOPE
	BVW	BORDERING VEGETATED WETLAND
	CB	CATCH BASIN
	CBDH	CONCRETE BOUND DRILL HOLE
	CBLP	CONCRETE BOUND LEAD PIN
	CCB	CAPE COD BERM
	CF	CUBIC FEET
	CFS	CUBIC FEET PER SECOND
	CLF	CHAIN LINK FENCE
	CO	CLEAN OUT
	CONC.	CONCRETE
	CPD	CONCRETE PAD
	CY	CUBIC YARD
	DCB	DOUBLE CATCH BASIN
	DEM	DEMOLISH
CENTERLINE	DH	DRILL HOLE
	DIA.	DIAMETER
	DIM.	DIMENSION
	DMH	DRAIN MANHOLE
	ELEV.	ELEVATION
	ELEC.	ELECTRIC
	EM	ELECTRIC METER
	EOP	EDGE OF PAVEMENT
	EOW	EDGE OF WETLANDS
	EXIST, EX.	EXISTING
	FES	FLARED END SECTION
	FF	FINISHED FLOOR
	FFE	FINISH FLOOR ELEVATION
	FT	FOOT OR FEET
	GC	GRANITE CURB
	GS	GAS GATE
	GV	GATE VALVE
	GW	GROUND WATER
	HGW	HIGH GROUNDWATER
	HOR	HORIZONTAL
	HW	HEADWALL
	HYD	HYDRANT
	IN	INCHES
	INV., I	INVERT
	IP	IRON PIPE
	L	LENGTH
	LP	LIGHT POLE
	LS	LANDSCAPING
	MAT	MATERIAL
	MAX	MAXIMUM
	MB	MAIL BOX
	MH	MANHOLE
	MHW	MEAN HIGH WATER
	MIN	MINIMUM
	MW	MONITORING WELL
	NAVD	NORTH AMERICAN VERTICAL DATUM
	NO	NUMBER
	NTS	NOT TO SCALE
	N/F	NOW OR FORMERLY
	OHW	OVERHEAD WIRE
	PKG	PARKING
	PL	PROPERTY LINE
	PROP., P	PROPOSED
	PT	POINT OR POINT OF TANGENT
	PVC	POLYVINYL CHLORIDE PIPE
	R	RIM
	RCP	REINFORCED CONCRETE PIPE
	RD	ROAD
	S	SLOPE
	STC	STORMCEPTOR MANHOLE (WATER QUALITY UNIT)
	SEC.	SECTION
	SF	SQUARE FEET
	SMH	SEWER MANHOLE
	SP	STANDPIPE
	SPEC.	SPECIFICATION
	SW	SIDEWALK
	TC	TOP OF CURB
	TEK., T	TELEPHONE
	TMH	TELEPHONE MANHOLE
	TOB	TOP OF BANK
TOF	TOP OF FOUNDATION	
	TOS	TOP OF SLOPE
	TP	TEST PIT
	TYP.	TYPICAL
	UP	UTILITY POLE
	VERT	VERTICAL
	WG/V	WATER GATE/VALVE
	WM	WATER METER
	WMH	WEIR MANHOLE
	WQU	WQU

NOTES

GENERAL:

1. THE CONTRACTOR SHALL NOTIFY "DIGSAFE" (1-888-DIGSAFE) AT LEAST 72 HOURS (3 BUSINESS DAYS) BEFORE EXCAVATING.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
3. UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS, IN THE SPECIFICATIONS, AND IN THE CONTRACT DOCUMENTS.
4. SITE SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
5. ALL PROPOSED ACCESSIBLE ROUTES, PARKING SPACES, RAMPS SIDEWALKS AND WALKWAYS SHALL CONFORM TO THE FEDERAL AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN, MASSACHUSETTS 521 CMR ARCHITECTURAL ACCESS BOARD, AND MASSDOT STANDARDS.
6. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
7. IN THE EVENT THAT SUSPECTED CONTAMINATED SOIL, GROUNDWATER OR OTHER MEDIA ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON VISUAL, OLFACTORY, OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT MATERIAL TO AVOID FURTHER SPREADING OF THE MATERIAL, AND SHALL NOTIFY THE OWNER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN.
8. A CONSTRUCTION GENERAL PERMIT STORMWATER POLLUTIONS PREVENTION PLAN SHALL BE SUBMITTED BY THE OWNER OR CONTRACTOR PRIOR TO THE START OF SITE CONSTRUCTION ACTIVITIES. THE PLAN SHALL INCLUDE MEASURES AND REQUIREMENTS FOR STABILIZATION OF EXPOSED SOILS, STOCKPILES, AND ALL OTHER EROSION AND SPILL PREVENTION MEASURES.
9. SITE CLEARING SHALL BE LIMITED TO THE EROSION CONTROL LINE AND/OR THE LIMIT OF GRADING IN AREAS WHERE EROSION CONTROL LINE IS NOT REQUIRED. CARE SHOULD BE TAKEN TO PROTECT EXISTING TREES OUTSIDE OF THIS LINE, THEREBY MAINTAINING A NATURAL BUFFER TO THE GREATEST EXTENT POSSIBLE.
10. DEGRADED AND DAMAGED EROSION CONTROLS TO BE REPLACED BY THE CONTRACTOR UNTIL FINAL SOIL STABILIZATION METHODS HAVE BEEN ESTABLISHED.
11. BUILDING HEIGHTS SHALL CONFORM THE LATEST ARCHITECTURAL DESIGN PLANS.
12. DIMENSIONS ARE FROM THE FACE OF CURB, FACE OF BUILDING, FACE OF WALL AND CENTER LINE OF PAVEMENT MARKINGS, UNLESS OTHERWISE NOTED.
13. CONCRETE BOUNDS AND ANY EXISTING PROPERTY LINE MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE SET OR RESET BY A PROFESSIONAL LAND SURVEYOR.
14. SEE ARCHITECTURAL DRAWINGS FOR EXACT BUILDING DIMENSIONS AND DETAIL CONTIGUOUS TO THE BUILDING, INCLUDING BUILDING ENTRANCES, RAMPS, STAIRWAYS, UTILITY PENETRATIONS, ETC.
15. THE BOUNDARY OF PUBLIC SURFACE WATER SUPPLY ZONE A SHOWN ON THE PLANS WAS IMPORTED FROM THE "BUREAU OF GEOGRAPHIC INFORMATION (MASSGIS), COMMONWEALTH OF MASSACHUSETTS, EXECUTIVE OFFICE OF TECHNOLOGY AND SECURITY SERVICES: SURFACE WATER SUPPLY PROTECTION AREAS (ZONE A, B, C) - APRIL 2017" AND MODIFIED PER COORDINATION WITH MASSDOP.

EXISTING CONDITIONS INFORMATION:

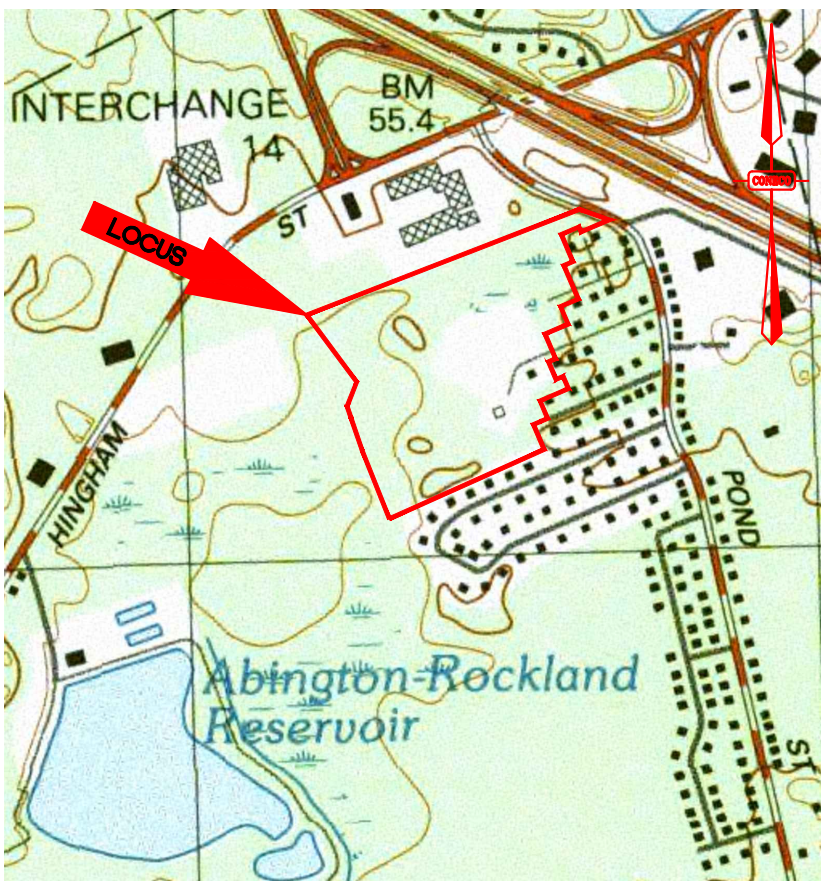
1. THE PROPERTY IS REFERENCED BY THE TOWN OF ROCKLAND ASSESSOR'S ID 9-13 & 10-68.
2. OWNER OF RECORD:
SHINGLEMILL, LLC
4 FIRST STREET, BRIDGEWATER, MA
BOOK 52044, PAGE 229 (MAP 10, LOT 68)
BOOK 51016, PAGE 303 (MAP 9, LOT 13)
3. ELEVATIONS REFER TO NAVD 88.
4. WETLANDS ORIGINALLY DELINEATED BY WETLAND STRATEGIES, INC. IN MAY & SEPTEMBER 2018 AND FIELD LOCATED BY ATLANTIC DESIGN ENGINEERS, INC. A REVISED WETLAND DELINEATION WAS COMPLETED ON FEBRUARY 22, 2023 AND MARCH 30, 2023 BY CONECO ENGINEERS AND SCIENTISTS. ALL CONECO WETLAND FLAGS AND WETLANDS STRATEGIES INC. WETLAND FLAGS WERE FIELD LOCATED BY CONECO IN APRIL 2023.
5. TOPOGRAPHIC INFORMATION IS A RESULT OF A COMBINATION OF LIDAR TERRAIN AND ELEVATION DATA FROM MASSGIS, AND AN ON THE GROUND TOPOGRAPHIC SURVEY PERFORMED BY CONECO ENGINEERS & SCIENTISTS.
6. LOCUS PROPERTY IS IN ZONE X AND ZONE A, AS SHOWN ON FLOOD INSURANCE RATE MAP NO. 25023C0092K DATED JULY 6, 2021. THE FLOOD PLAIN LINES SHOWN ON THESE PLANS WERE DIGITIZED FROM THE FIRM PANEL.
7. UNDERGROUND UTILITY LOCATION AS SHOWN HEREON ARE TAKEN FROM AVAILABLE RECORD AND FIELD INFORMATION AND ARE APPROXIMATE ONLY. FURTHER PLANNING ANY CONSTRUCTION, DISAISE AND THE VARIOUS UTILITY COMPANY ENGINEERING DEPARTMENTS SHOULD BE CONSULTED.
8. TREE SYMBOLS ARE FOR GRAPHIC PURPOSES ONLY AND DO NOT REPRESENT ACTUAL CANOPY LINES.

LANDSCAPING:

1. ALL AREAS CLEARED AND/OR DISTURBED SHALL BE BROUGHT TO WITHIN 4 INCHES OF FINAL GRADE AND FINISHED WITH 4 INCHES OF LOAM AND SEED EXCEPT WHERE OTHER FINISHES ARE PROPOSED (REFER TO PLANS).
2. CONTRACTOR IS RESPONSIBLE FOR REPLACING (IN KIND) ALL DEAD OR DYING PLANT MATERIAL FOR A PERIOD OF 2 YEARS AFTER INITIAL PLANTING.

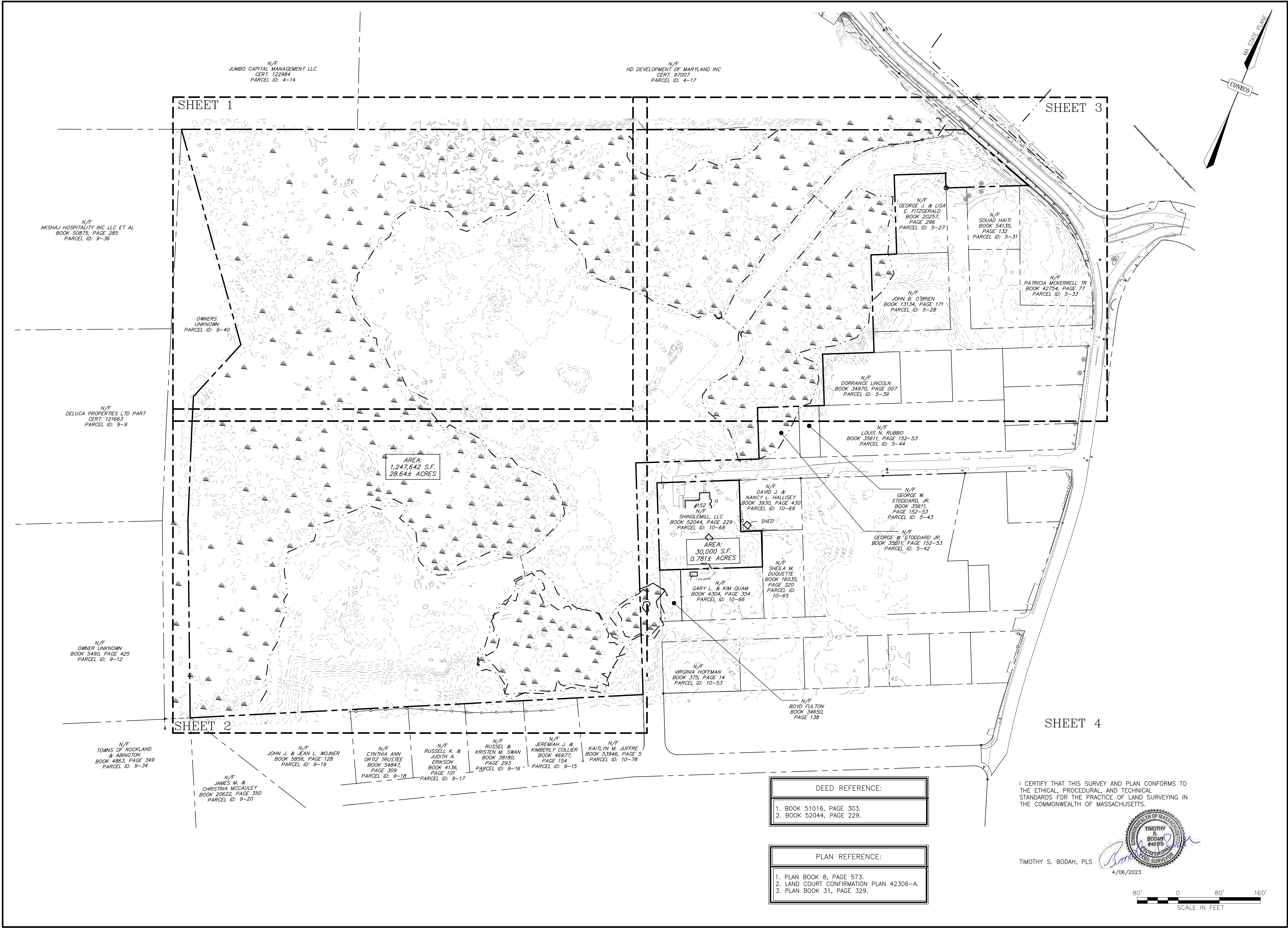
UTILITIES:

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVES. THE CONTRACTOR SHALL VERIFY AND DETERMINE THE EXACT LOCATION, SIZE, AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
2. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, OR EXISTING CONDITIONS DIFFER FROM THOSE SHOWN SUCH THAT THE WORK CANNOT BE COMPLETED AS INTENDED, THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED IN WRITING TO THE OWNER'S REPRESENTATIVE FOR THE RESOLUTION OF THE CONFLICT. FAILURE TO PROVIDE OR PERFORM THE ABOVE PRIOR TO PERFORMING ANY WORK SHALL NOT BE GROUNDS FOR EXTRA PAYMENTS TO THE CONTRACTOR.
3. SET CATCH BASIN RIMS, AND INVERTS OF DRAINS AND DITCHES IN ACCORDANCE WITH ELEVATIONS ON THE GRADING AND DRAINAGE PLAN.
4. RIM ELEVATIONS FOR DRAIN MANHOLES AND OTHER SUCH ITEMS ARE APPROXIMATE AND SHALL BE ADJUSTED AS FOLLOWS:
 - IN PAVEMENTS, CONCRETE SURFACES, AND ALL SURFACE TYPES ALONG ACCESSIBLE ROUTES, SET FLUSH WITH FINISH GRADES.
 - IN LANDSCAPE, LOAM AND SEED, AND OTHER EARTH SURFACE AREAS, SET 1 INCH ABOVE SURROUNDING AREA AND TAPER EARTH TO THE RIM ELEVATION.
5. THE LOCATION, SIZE, DEPTH, AND SPECIFICATIONS FOR CONSTRUCTION OF PROPOSED PRIVATE UTILITY SERVICES SHALL BE INSTALLED ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY, THE RESPECTIVE UTILITY COMPANY (GAS, TELEPHONE, ELECTRIC, FIRE ALARM, ETC.). FINAL DESIGN LOADS AND LOCATIONS TO BE COORDINATED WITH OWNER AND ARCHITECT.
6. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR AND SHALL BE RESPONSIBLE FOR PAYING FEES FOR POLE RELOCATION AND FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE, FIRE ALARM, AND ANY OTHER PRIVATE UTILITIES, WHETHER WORK IS PERFORMED BY CONTRACTOR OR BY THE UTILITY COMPANY.
7. ALL UTILITY PIPE SIZE AND MATERIALS SHALL BE INSTALLED AS INDICATED ON THE PLANS. CONTRACTOR TO COORDINATE AND CONFIRM WITH THE PERVEYOUR, TOWN, ENGINEER, AND ARCHITECT, PRIOR TO THE PURCHASE AND INSTALLATION OF ALL UTILITIES.



LOCUS MAP
Scale: 1" = 1000'

 CONECO <i>Engineers & Scientists</i> 4 FIRST STREET, BROCKFIELD, MASSACHUSETTS 02324 PHONE 508-697-3191 OR 800-546-3355 FAX 508-697-5986 WEBSITE: www.coneco.com			PROJECT: SHINGLEMILL APARTMENTS 75-79 POND STREET ROCKLAND, MASSACHUSETTS 02370		PREPARED FOR: SHINGLEMILL, LLC 4 FIRST STREET BRIDGEWATER, MASSACHUSETTS 02934		 04/26/2023																																		
DATE 02/14/2022			DESIGNED: MWK		CHECKED: DJD		REVISIONS <table><thead><tr><th>NO.</th><th>DATE</th><th>DESCRIPTION</th><th>DR/CK</th></tr></thead><tbody><tr><td>1</td><td>9/23/2022</td><td>GRADING & DRAINAGE REDESIGN</td><td>D/D/MSD</td></tr><tr><td>2</td><td>11/21/2022</td><td>GRADING & DRAINAGE REDESIGN</td><td>D/D/MSD</td></tr><tr><td>3</td><td>4/26/2023</td><td>PER REVIEW COMMENTS</td><td>D/D/ETM</td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>			NO.	DATE	DESCRIPTION	DR/CK	1	9/23/2022	GRADING & DRAINAGE REDESIGN	D/D/MSD	2	11/21/2022	GRADING & DRAINAGE REDESIGN	D/D/MSD	3	4/26/2023	PER REVIEW COMMENTS	D/D/ETM																
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DRAFTED: MWK			IN CHARGE: DJD																																						
SCALE: AS SHOWN																																									
PROJECT NO. 3395.1																																									
SHEET NO. 2 OF 3																																									



DR/CK

D/D/MSD

D/D/MSD

D/D/BTM

REVISIONS

DESCRIPTION

DATE

NO.

1

9/23/2022

2

11/21/2022

3

4/26/2023

GRADING & DRAINAGE REDESIGN

GRADING & DRAINAGE REDESIGN

PER REVIEW COMMENTS

PREPARED FOR:

SHINGLEMILL, LLC

4 FIRST STREET

BRIDGEWATER, MASSACHUSETTS 02324

PROJECT:

SHINGLEMILL APARTMENTS

75-79 FOND STREET

ROCKLAND, MASSACHUSETTS 02370

PLAN SET:

COMPREHENSIVE PERMIT PLANS

EXISTING CONDITIONS KEY PLAN

CONNECO

Engineers & Scientists

4 FIRST STREET, BRIDGEWATER, MASSACHUSETTS 02324

PHONE 508-697-3191 OR 800-548-5355 FAX 508-697-5996

WEBSITE: www.conneco.com

DATE

02/14/2022

DESIGNED: MWK

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DRAFTED: MWK

IN CHARGE: DJD

SCALE:

1" = 80'

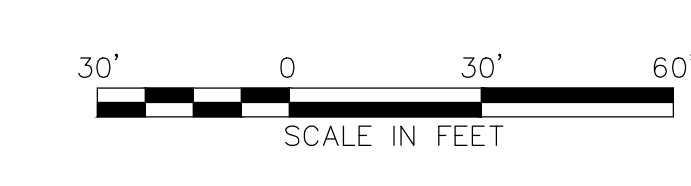
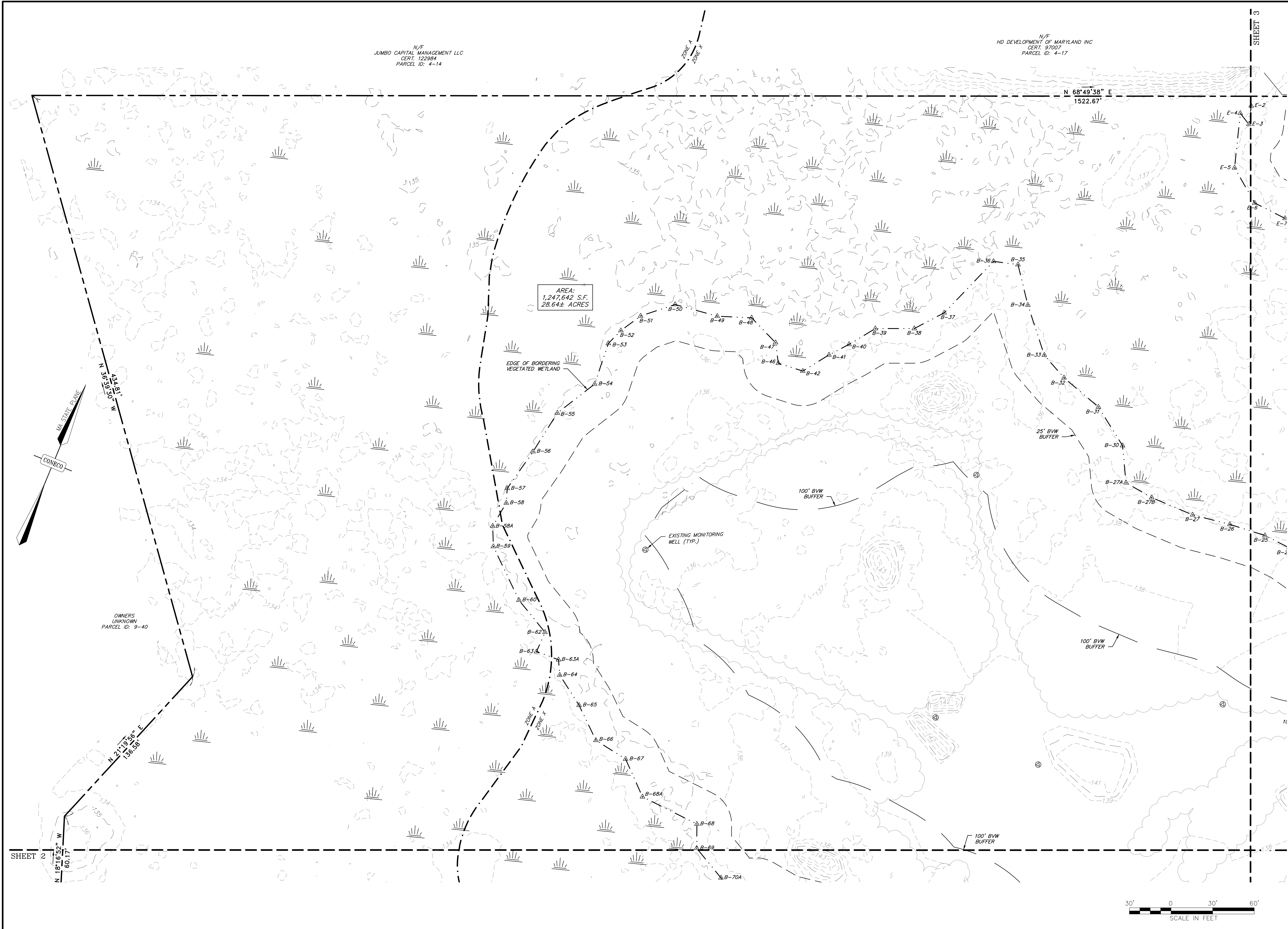
PROJECT NO.

3395.1

SHEET NO.

3

OF 32



4/26/2023

REVISIONS	
NO.	DATE
1	9/23/2022
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DESCRIPTION	DR/CK	D/D/MSD	D/D/MSD	PER REVIEW COMMENTS
GRADING & DRAINAGE REDESIGN				
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SHINGLEMILL APARTMENTS
75-79 FOND STREET
ROCKLAND, MASSACHUSETTS 02370

PLAN SET:

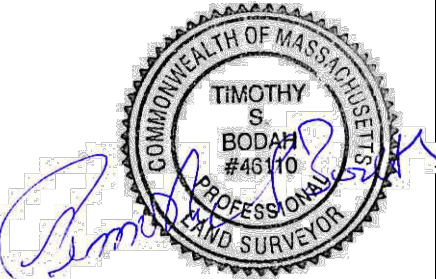
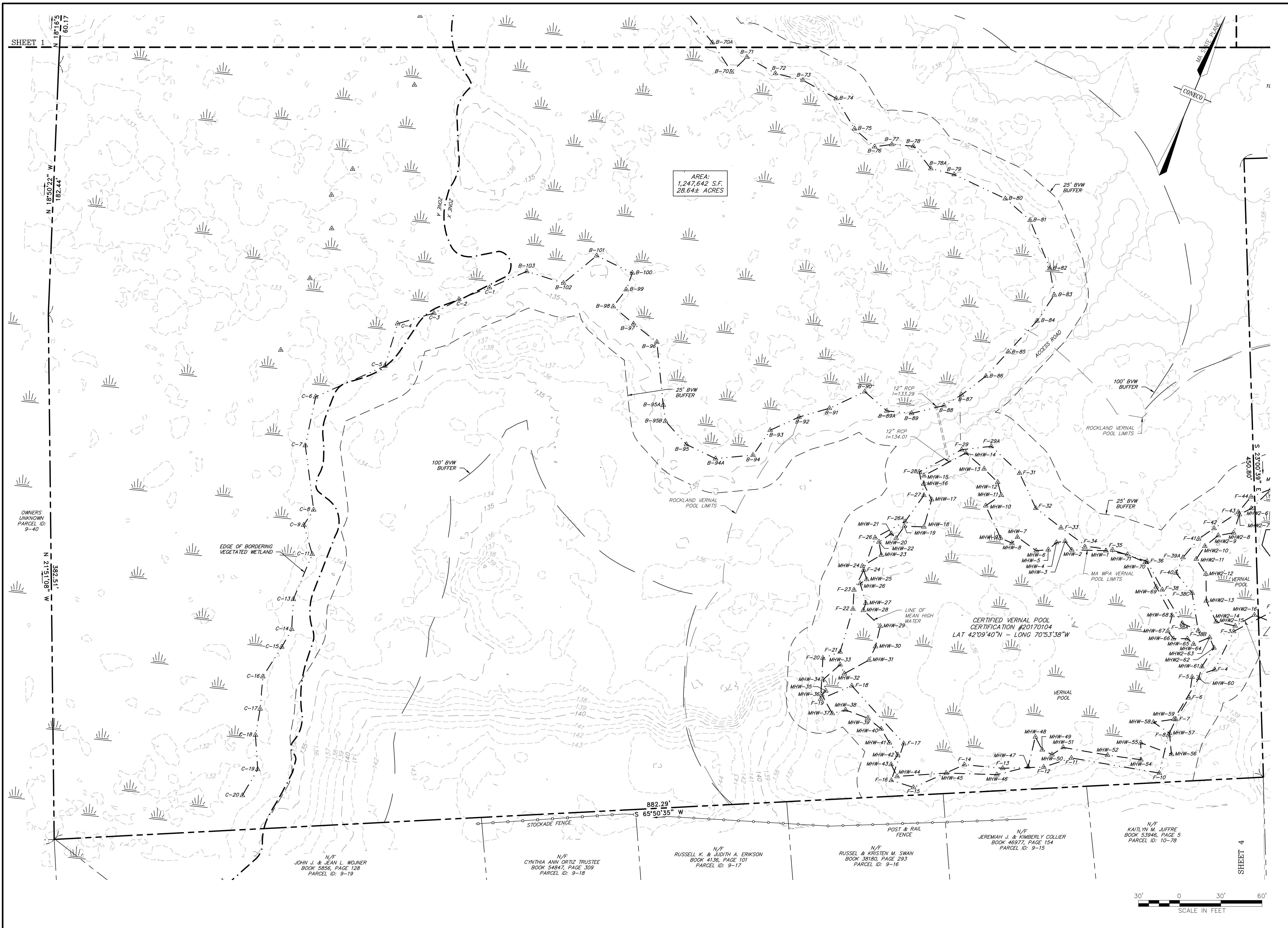
COMPREHENSIVE PERMIT PLANS

EXISTING CONDITIONS
SHEET 1 OF 4

4 FIRST STREET, BRIDGEWATER, MASSACHUSETTS 02324
PHONE 508-697-3191 OR 800-548-5355; FAX 508-697-5996
WEBSITE: www.conecoco.com

DATE	02/14/2022
DESIGNED: MWK	CHECKED: TSB
DRAFTED: MWK	IN CHARGE: DJD
SCALE:	1" = 30'
PROJECT NO.	3395.1
SHEET NO.	4

OF 32



/26/2023

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SHINGLEMILL, LLC
4 FIRST STREET
BRIDGEWATER, MASSACHUSETTS 02324

EXISTING CONDITIONS
SHEET 2 OF 4

SHINGLEMILL APARTMENTS
75-79 POND STREET
ROCKLAND, MASSACHUSETTS 02370

COMPREHENSIVE PERMIT PLANS

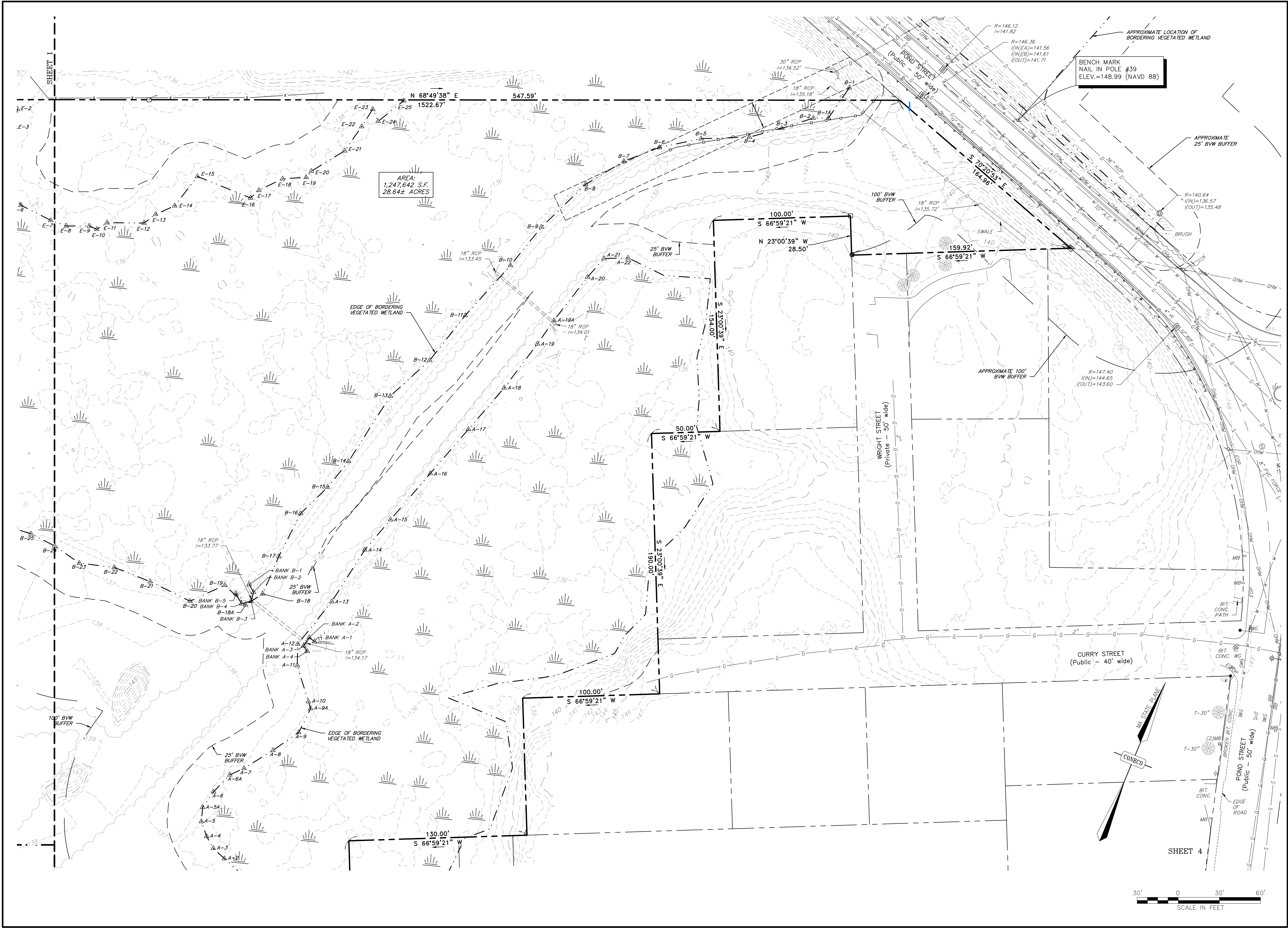

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Engineers & Scientists

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PHONE 508-697-3191 OR 800-548-3355; FAX 508-697-5996

DATE		02/14/2022	
DESIGNED: MVK		CHECKED: TSB	
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SCALE:		1" = 30'	
PROJECT NO.		3395.1	
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SHEET NO.

5
OF



DR/CK

DESCRIPTION

DATE

NO.

1

9/23/2022

1

2

11/21/2022

2

3

4/26/2023

3

GRADING & DRAINAGE REDESIGN

GRADING & DRAINAGE REDESIGN

PER REVIEW COMMENTS

4/26/2023

REVISIONS

SHINGLEMILL, LLC

4 FIRST STREET

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SHINGLEMILL APARTMENTS

75-79 POND STREET

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COMPREHENSIVE PERMIT PLANS

EXISTING CONDITIONS

SHEET 3 OF 4

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Engineers & Scientists

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DESIGNED: MWK

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IN CHARGE: D.J.D.

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1" = 30'

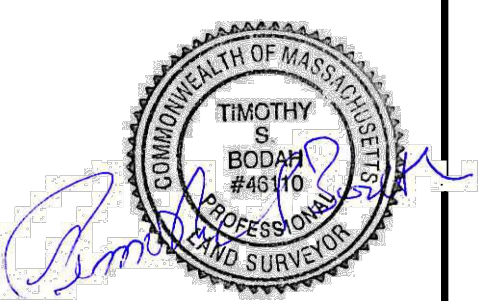
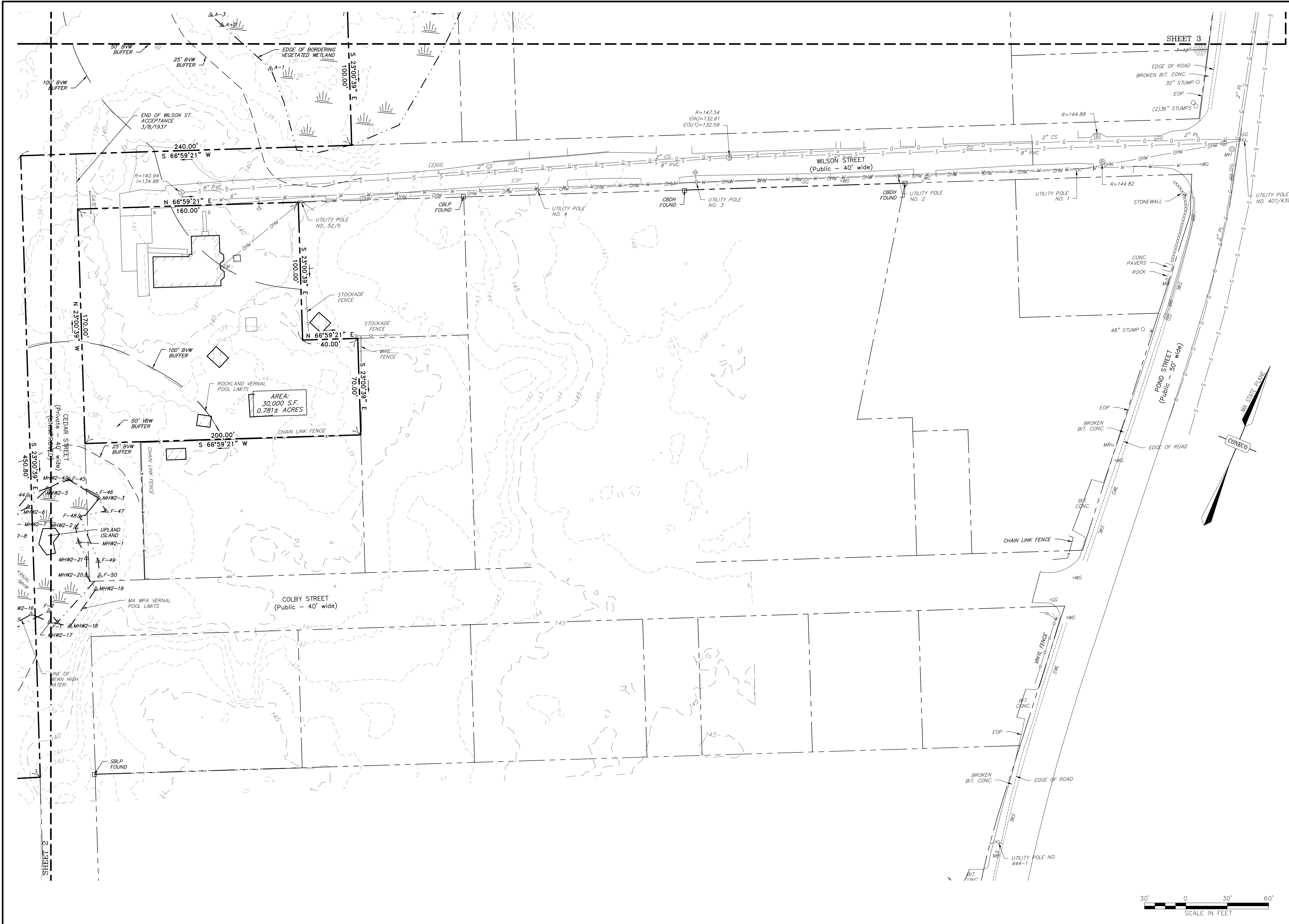
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6

OF 32



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4 FIRST STREET
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DRAWING:
EXISTING CONDITIONS
SHEET 4 OF 4

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75-79 POND STREET
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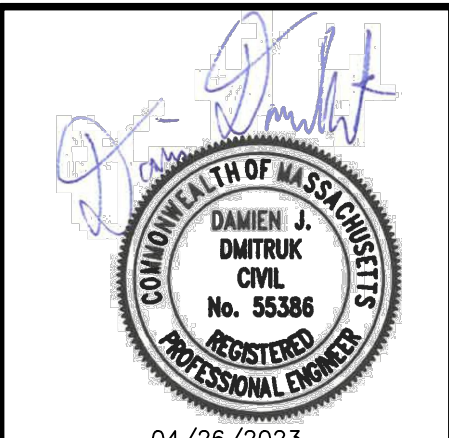
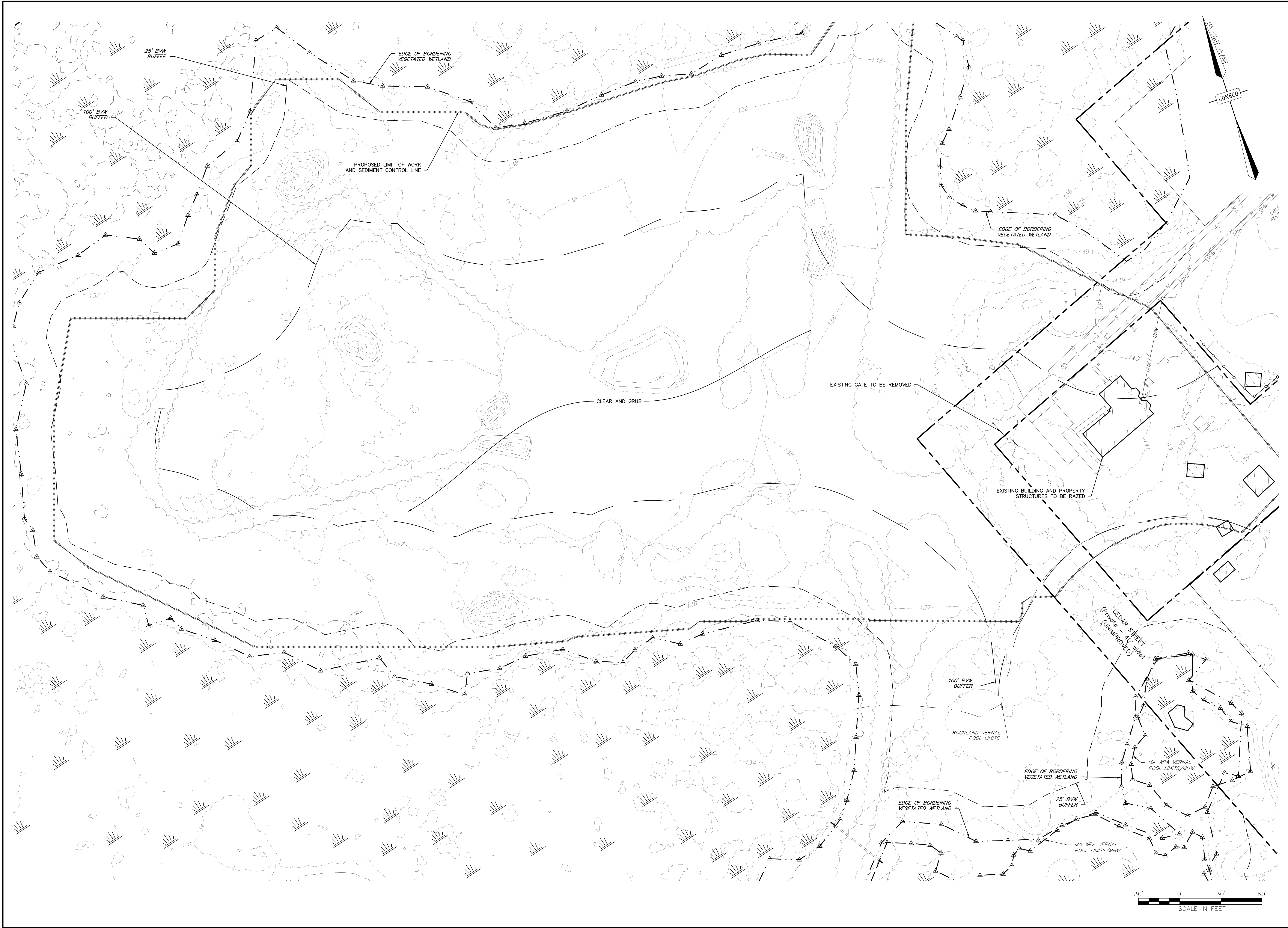
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Engineers & Scientists

4 FIRST STREET, BRIDGEWATER, MASSACHUSETTS 02324
PHONE 508-897-3191 OR 800-548-5355 FAX 508-697-5996
WEBSITE: www.coneco.com

DATE	02/14/2022
DESIGNED: MWK	CHECKED: TSB
DRAFTED: MWK	IN CHARGE: DJD
SCALE:	1" = 30'
PROJECT NO.	3395.1
SHEET NO.	7



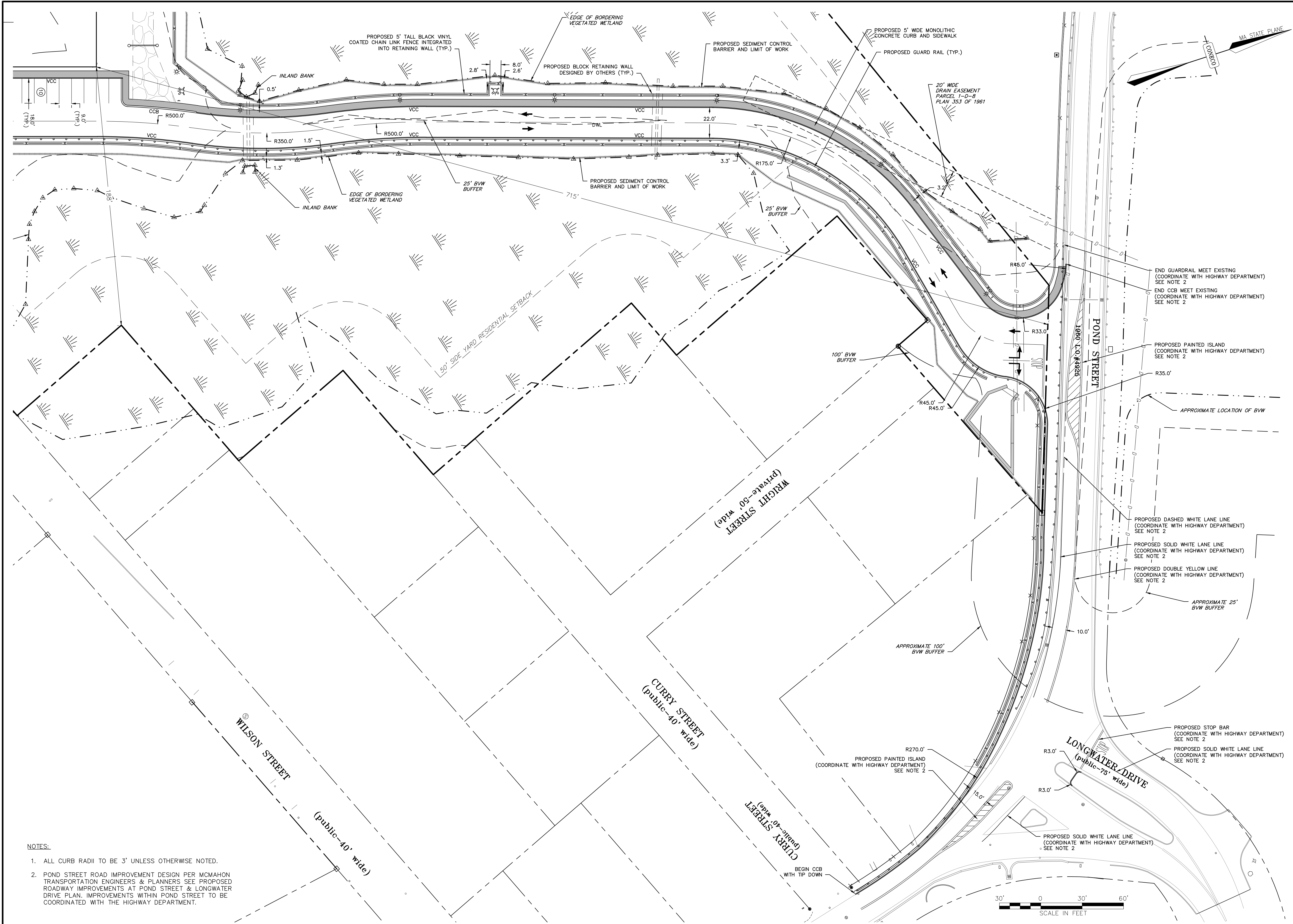
REVISIONS		DATE	DESCRIPTION
NO.	DR/CK		
1	D/D/MSD	9/25/2022	GRADING & DRAINAGE REDESIGN
2	D/D/MSD	11/21/2022	GRADING & DRAINAGE REDESIGN
3	D/D/BTW	4/26/2023	PER REVIEW COMMENTS

PREPARED FOR:	SHINGLEMILL, LLC 4 FIRST STREET BRIDGEWATER, MASSACHUSETTS 02324
DRAWN:	DEMOLITION AND EROSION CONTROL PLAN SHEET 2 OF 2

PROJECT:	SHINGLEMILL APARTMENTS 75-79 FOND STREET ROCKLAND, MASSACHUSETTS 02370
PLAN SET:	COMPREHENSIVE PERMIT PLANS

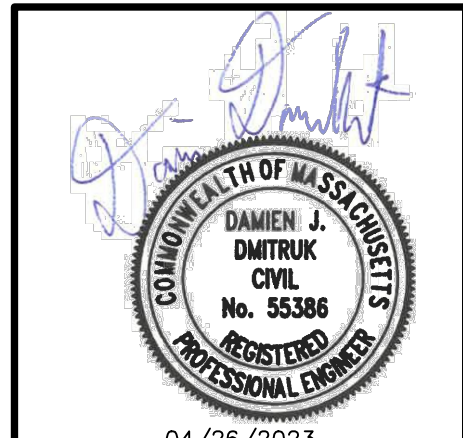
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Engineers & Scientists
4 FIRST STREET, BRIDGEWATER, MASSACHUSETTS 02324
PHONE 508-897-3191 OR 800-548-5355; FAX 508-697-5996
WEBSITE: www.coneco.com

DATE	02/14/2022
DESIGNED: MWK	CHECKED: DJD
DRAFTED: MWK	IN CHARGE: DJD
SCALE:	1" = 30'
PROJECT NO.	3395.1



NOTES:

1. ALL CURB RADII TO BE 3' UNLESS OTHERWISE NOTED.
2. POND STREET ROAD IMPROVEMENT DESIGN PER MCMAHON TRANSPORTATION ENGINEERS & PLANNERS SEE PROPOSED ROADWAY IMPROVEMENTS AT POND STREET & LONGWATER DRIVE PLAN. IMPROVEMENTS WITHIN POND STREET TO BE COORDINATED WITH THE HIGHWAY DEPARTMENT.



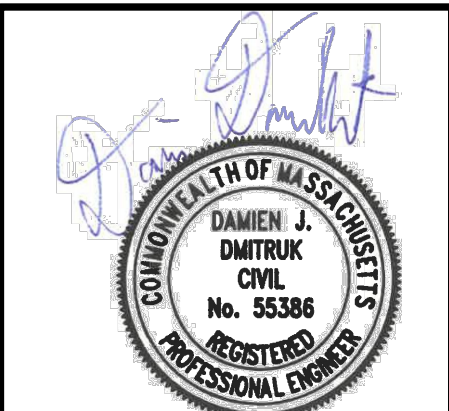
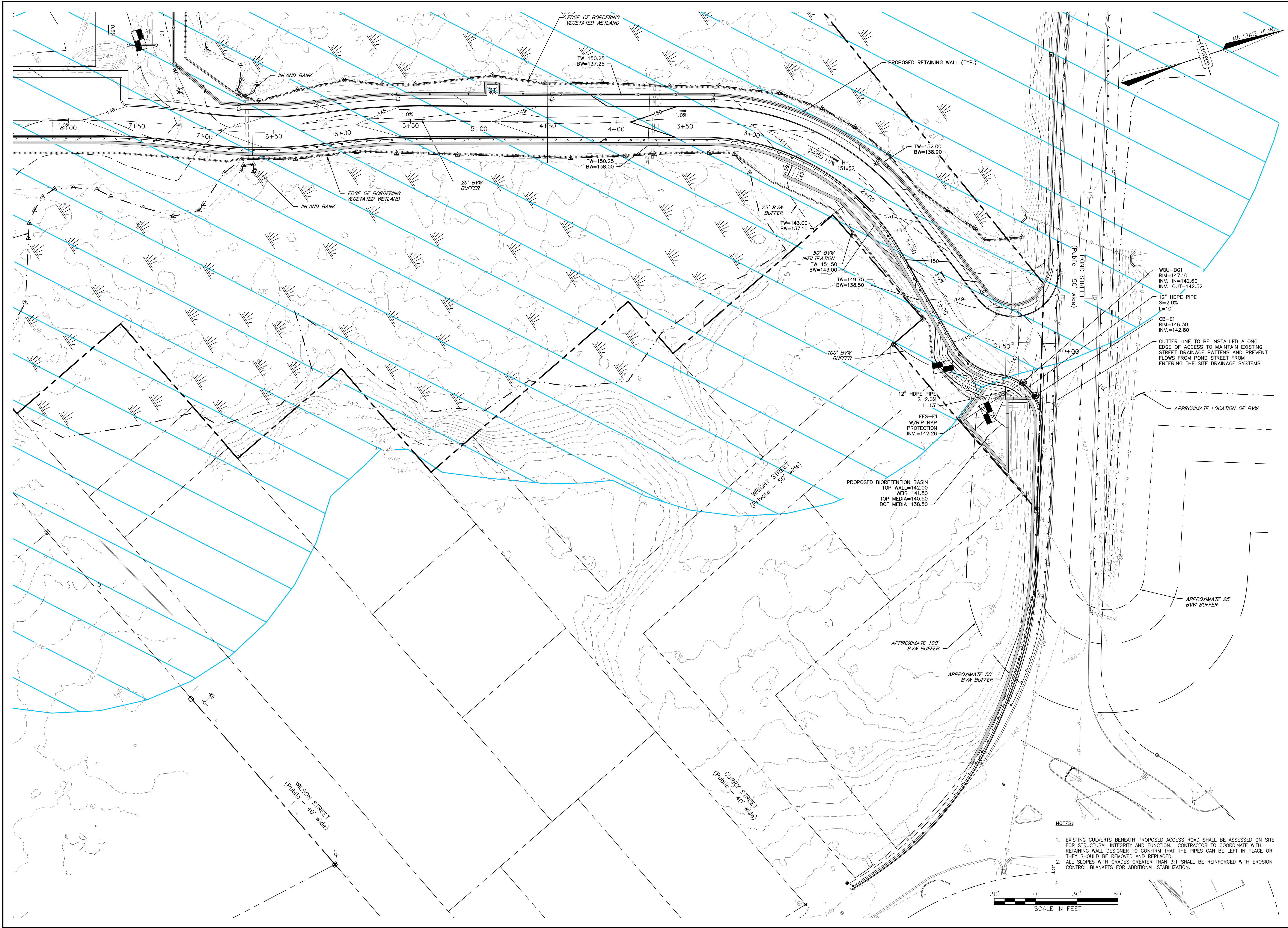
REVISIONS			
NO.	DATE	DESCRIPTION	DR/CK
1	9/23/2022	GRADING & DRAINAGE REDESIGN	DJD/MSD
2	11/21/2022	GRADING & DRAINAGE REDESIGN	DJD/MSD
3	4/26/2023	PER REVIEW COMMENTS	DJD/BTH

PROJECT:	SHINGLEMILL, LLC 4 FIRST STREET BRIDGEWATER, MASSACHUSETTS 02324
PREPARED FOR:	SHINGLEMILL APARTMENTS 75-79 POND STREET ROCKLAND, MASSACHUSETTS 02370
DATE:	04/26/2023
DRAWN BY:	
CHECKED BY:	
SCALE:	
SHEET NO.	11

PROJECT:	SHINGLEMILL APARTMENTS 75-79 POND STREET ROCKLAND, MASSACHUSETTS 02370
PREPARED FOR:	SHINGLEMILL, LLC 4 FIRST STREET BRIDGEWATER, MASSACHUSETTS 02324
DATE:	04/26/2023
DRAWN BY:	
CHECKED BY:	
SCALE:	
SHEET NO.	11

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DATE	02/14/2022
DESIGNED: MWK	CHECKED: DJD
DRAFTED: MWK	IN CHARGE: DJD
SCALE:	1" = 30'
PROJECT NO.	3395.1
SHEET NO.	11



REVISIONS				
NO.	DATE	DESCRIPTION	DR/CK	D/D/MSD
1	9/23/2022	GRADING & DRAINAGE REDESIGN		
2	11/21/2022	GRADING & DRAINAGE REDESIGN		
3	4/26/2023	PER REVIEW COMMENTS		

PREPARED FOR:
SHINGLEMILL, LLC
4 FIRST STREET
BRIDGEWATER, MASSACHUSETTS 02324

DRAWING:
GRADING AND DRAINAGE PLAN
SHEET 1 OF 2

PROJECT:
SHINGLEMILL APARTMENTS
75-79 FOND STREET
ROCKLAND, MASSACHUSETTS 02370

PLAN SET:
COMPREHENSIVE PERMIT PLANS

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PHONE 508-897-3191 OR 800-548-3355; FAX 508-697-5996
WEBSITE: www.coneco.com

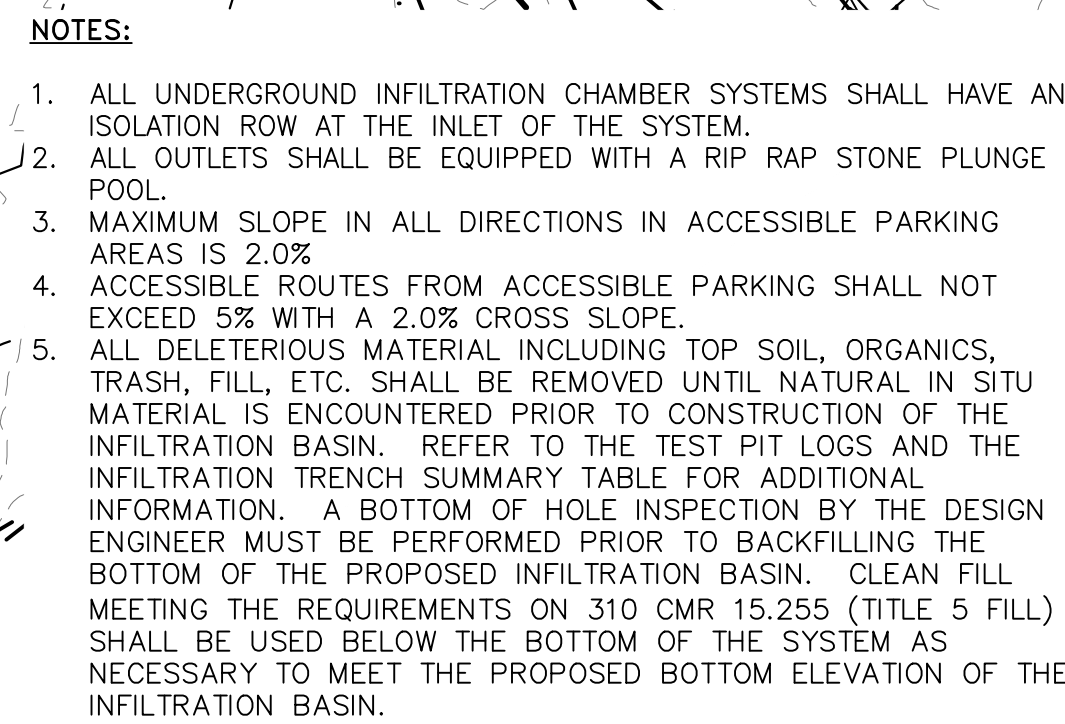
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DESIGNED: MWK	CHECKED: DJD
DRAFTED: MWK	IN CHARGE: DJD

SCALE: 1" = 30'

PROJECT NO. 3395.1

SHEET NO. **13** OF 32



INFILTRATION TRENCH SUMMARY TABLE										
SYSTEM	TOTAL STORAGE VOLUME (C.F.)	APPROXIMATE FINISHED GRADE	TRENCH INFORMATION				CHAMBER INFORMATION			OVERDIG
			TOP ELEVATION	BOTTOM ELEVATION	MINIMUM LENGTH	MINIMUM WIDTH	TOP ELEVATION	BOTTOM ELEVATION	NUMBER OF UNITS	
ICS-A(330XLHD)	8,385	144.75 - 145.50	142.54	139.00	73'-6"	49'-10"	142.04	139.50	100(10x10)	133.75
ICS-B (330XLHD)	8,385	144.25 - 144.75	142.54	139.00	73'-6"	49'-10"	142.04	139.50	100(10x10)	128.00
ICS-C (330XLHD)	18,214	144.50 - 145.50	142.54	139.00	80'-6"	98'-2"	142.04	139.50	220(20x11)	136.75
ICS-D (330XLHD)	5,583	145.50 - 146.10	142.54	139.00	80'-6"	30'-6"	142.04	139.50	66(6x11)	135.25
ICS-E (330XLHD)	5,442	145.75 - 146.25	142.54	139.00	59'-6"	40'-2"	142.04	139.50	64(8x8)	136.00



REVISIONS					DATE	DR/CK
NO.	DATE	DESCRIPTION	D/D/MSD	D/D/MSD	D/D/MSD	D/D/MSD
1	9/23/2022	GRADING & DRAINAGE REDESIGN				
2	11/21/2022	GRADING & DRAINAGE REDESIGN				
3	4/26/2023	PER REVIEW COMMENTS				

SHINGLEMILL, LLC
4 FIRST STREET
BRIDGEWATER, MASSACHUSETTS 02324

PROJECT: SHINGLEMILL APARTMENTS
75-79 POND STREET
ROCKLAND, MASSACHUSETTS 02370

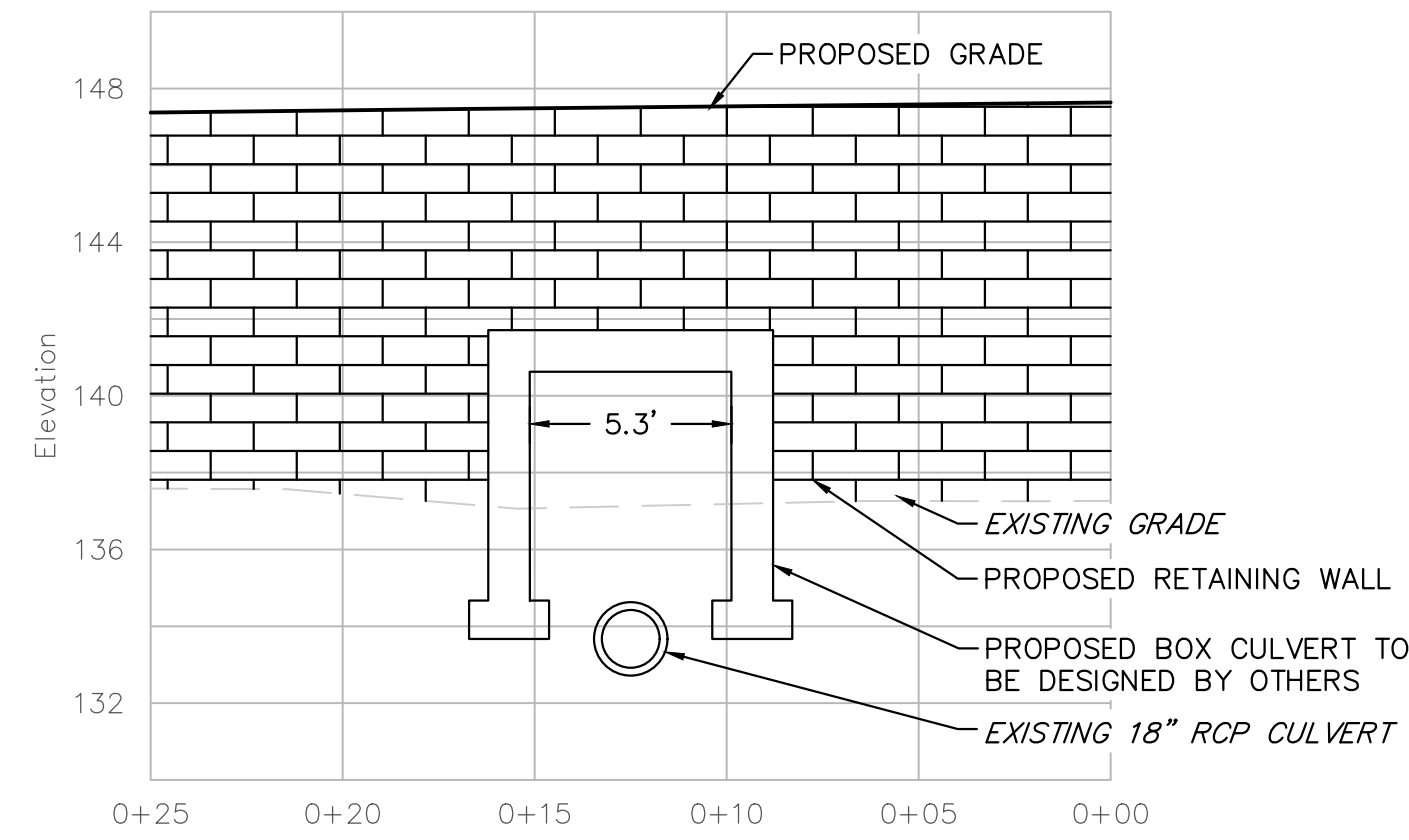
PLAN SET: COMPREHENSIVE PERMIT PLANS



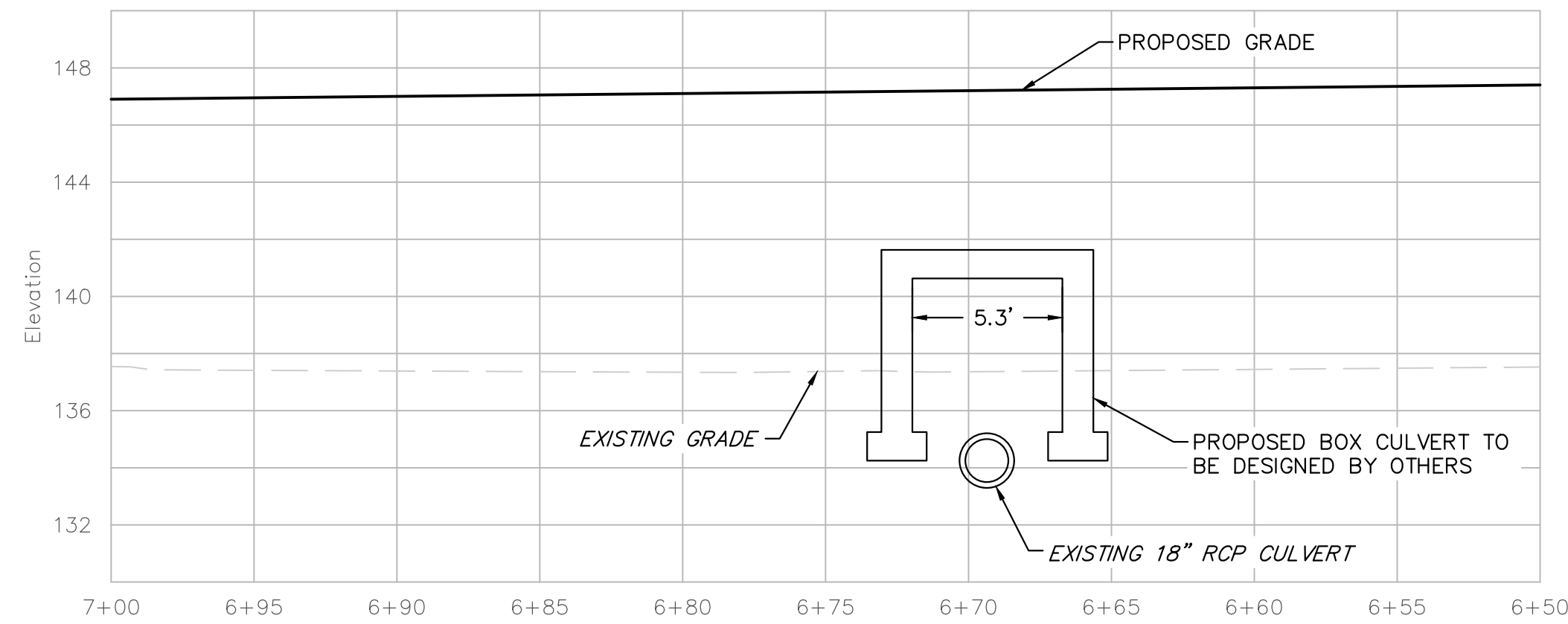
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PHONE 508-687-3191 OR 800-548-3355; FAX 508-687-5989
WEBSITE: www.coneco.com

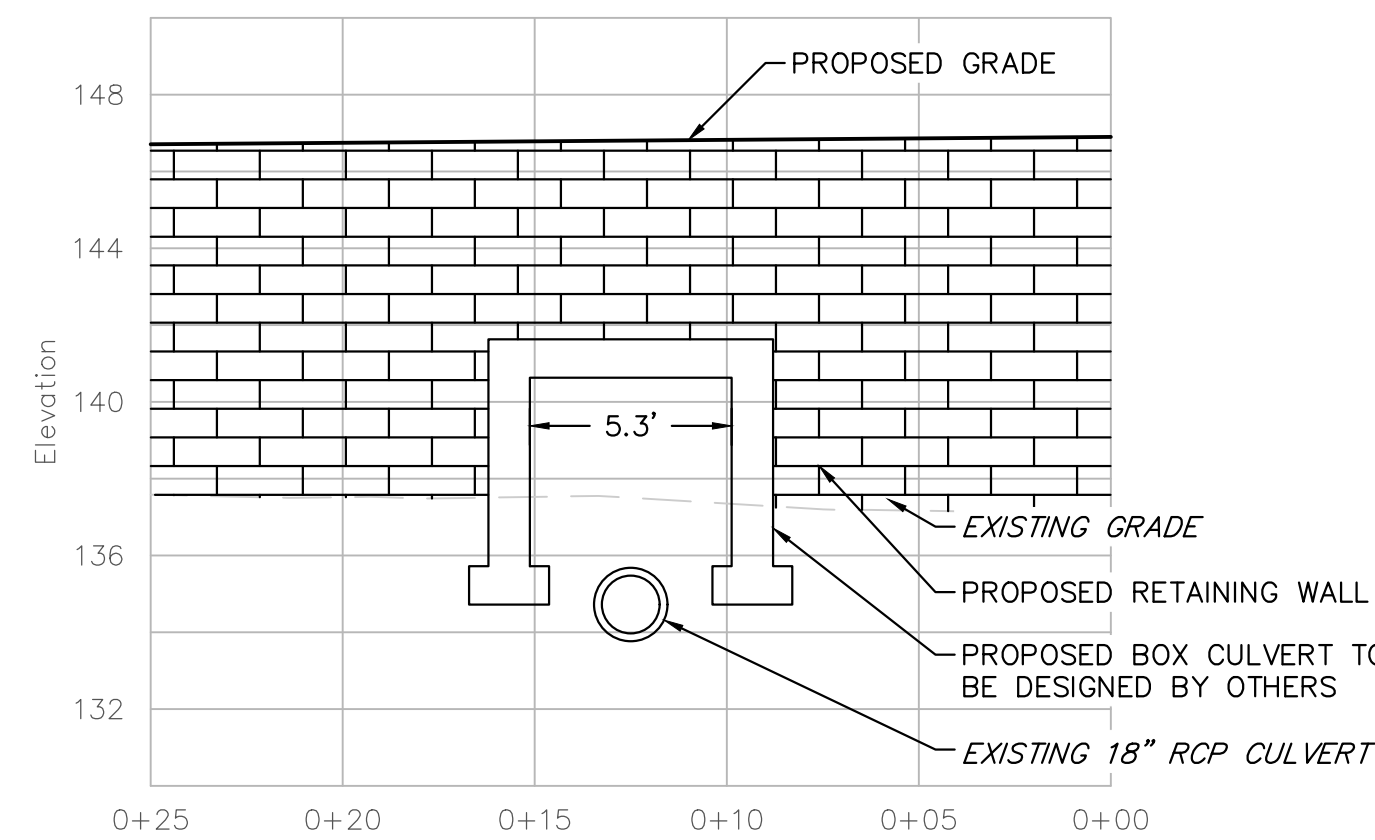
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SCALE:		1" = 30'	
PROJECT NO.		3395.1	
SHEET NO.		1 1	



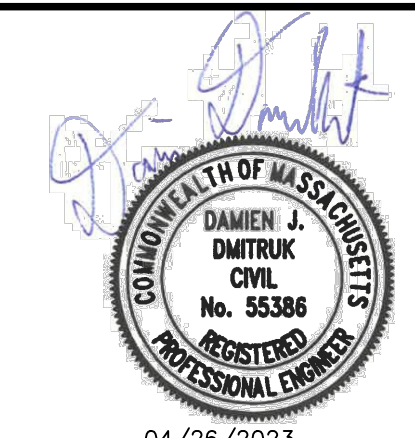
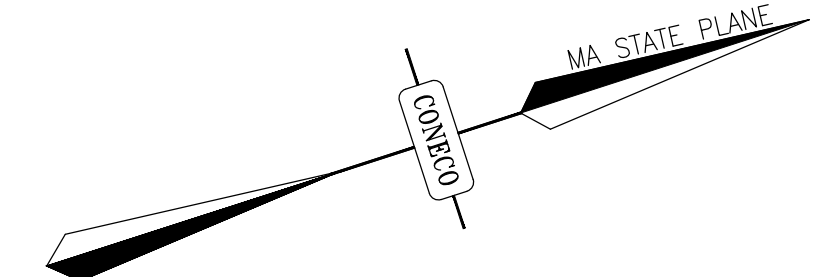
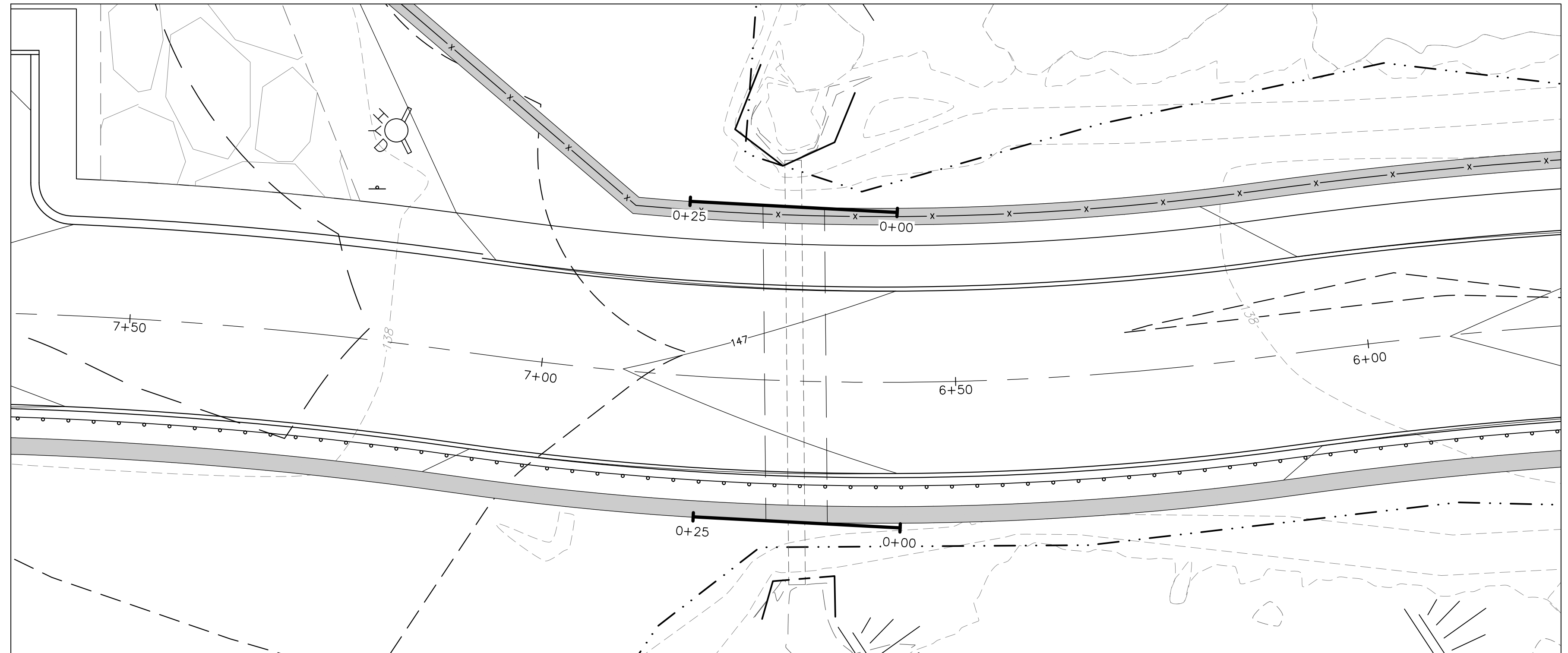
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WESTERN ELEVATION
VERT. SCALE: 1"=5'; HORIZ. SCALE: 1"=5'



CULVERT CROSSING
CENTERLINE PROFILE
VERT. SCALE: 1"=5'; HORIZ. SCALE: 1"=5'



CULVERT CROSSING
EASTERN ELEVATION
VERT. SCALE: 1"=5'; HORIZ. SCALE: 1"=5'



REVISIONS			
NO.	DATE	DESCRIPTION	DR/CK
1	9/23/2022	GRADING & DRAINAGE REDESIGN	DJD/MSD
2	11/21/2022	GRADING & DRAINAGE REDESIGN	DJD/MSD
3	4/26/2023	PER REVIEW COMMENTS	DJD/DTM

PROJECT:	SHINGLEMILL, LLC 4 FIRST STREET BRIDGEWATER, MASSACHUSETTS 02324
PREPARED FOR:	SHINGLEMILL APARTMENTS 75-79 FOND STREET ROCKLAND, MASSACHUSETTS 02370
PLAN SET:	COMPREHENSIVE PERMIT PLANS
DRAWING:	ACCESS ROAD CULVERTS SHEET 1 OF 3

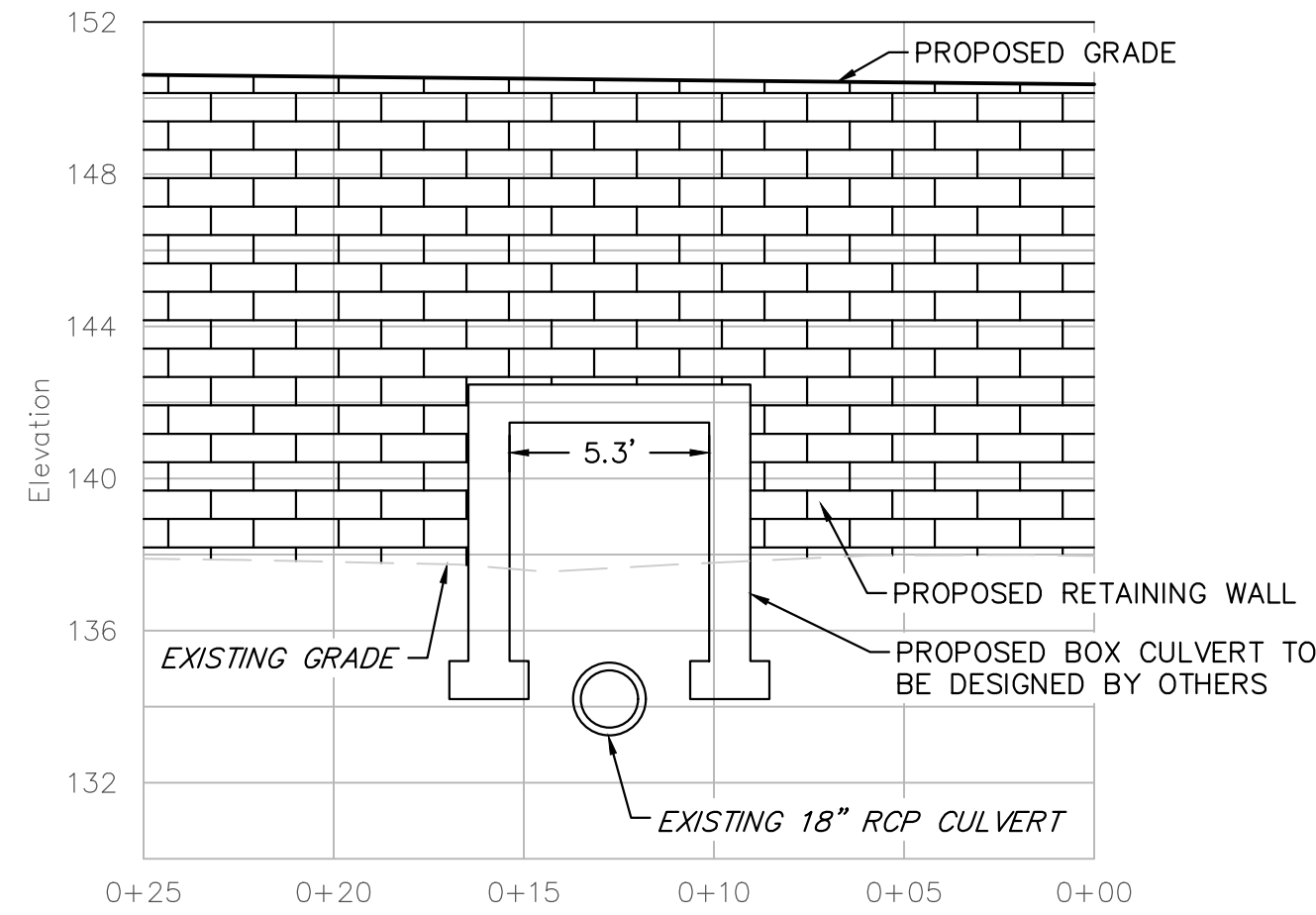
PROJECT:	SHINGLEMILL APARTMENTS 75-79 FOND STREET ROCKLAND, MASSACHUSETTS 02370
PREPARED FOR:	SHINGLEMILL, LLC 4 FIRST STREET BRIDGEWATER, MASSACHUSETTS 02324
PLAN SET:	COMPREHENSIVE PERMIT PLANS
DRAWING:	ACCESS ROAD CULVERTS SHEET 1 OF 3

CONECO

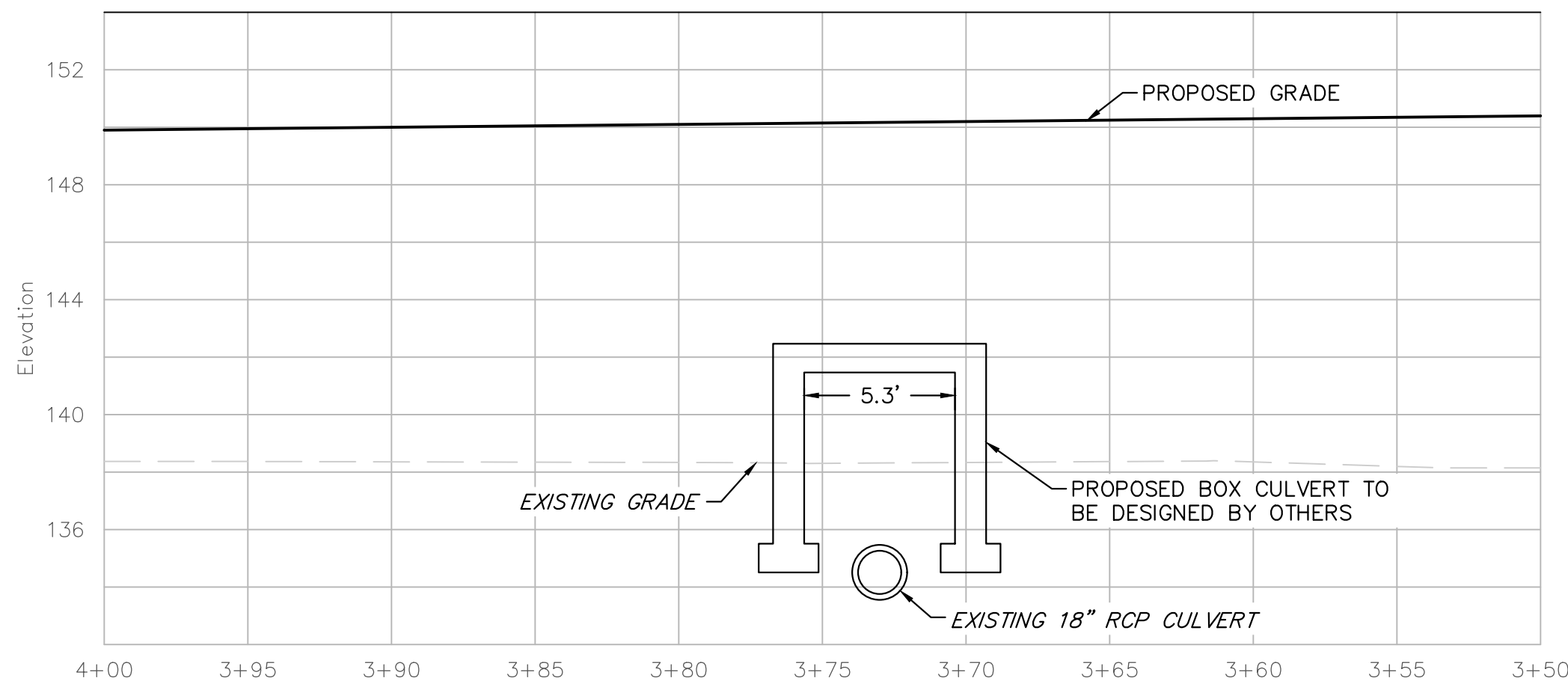
Engineers & Scientists

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WEBSITE: www.coneco.com

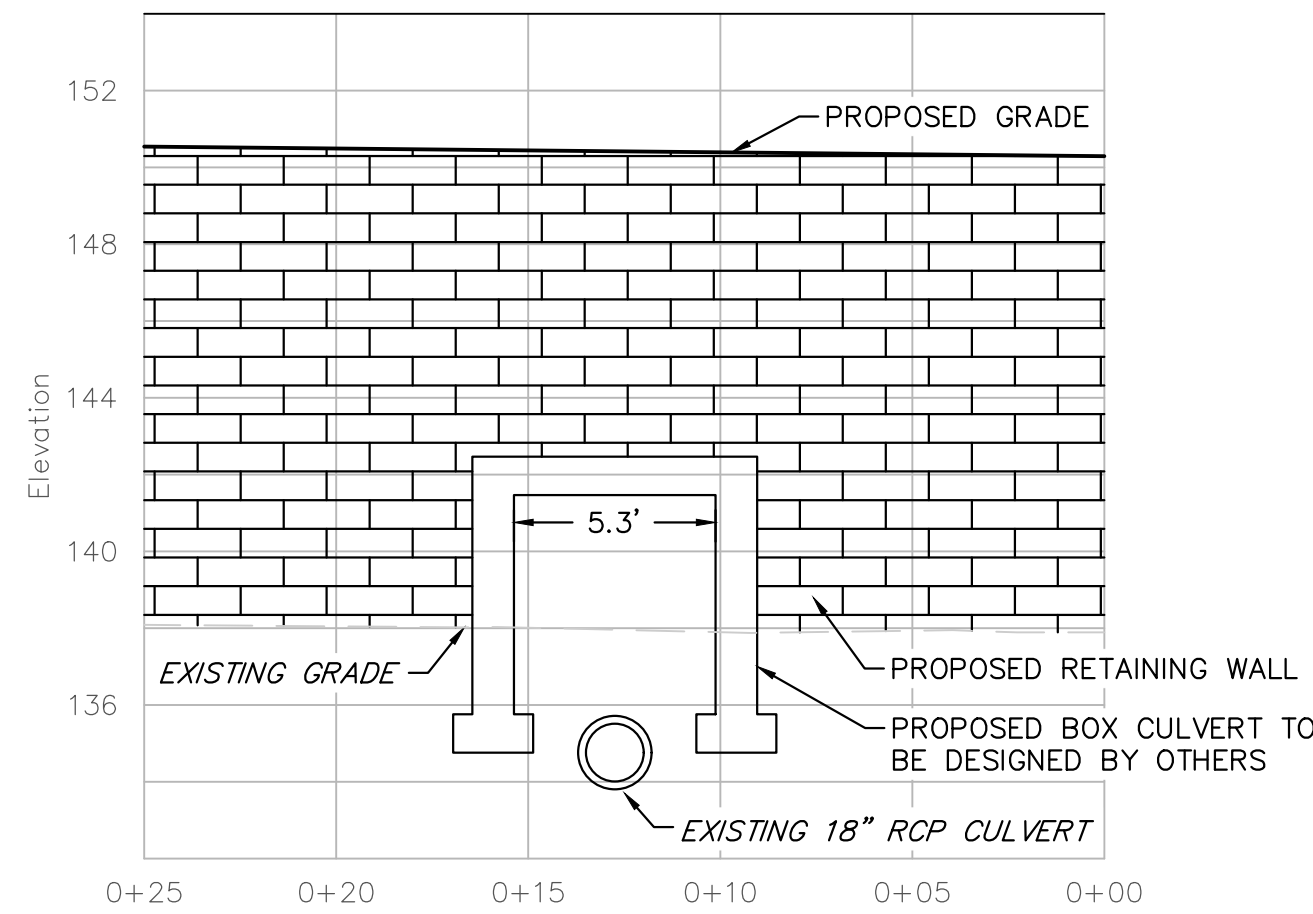
DATE	02/14/2022
DESIGNED: MWK	CHECKED: DJD
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SCALE:	1" = 30'
PROJECT NO.	3395.1
SHEET NO.	15



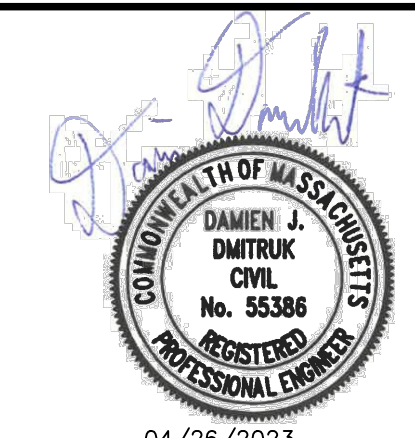
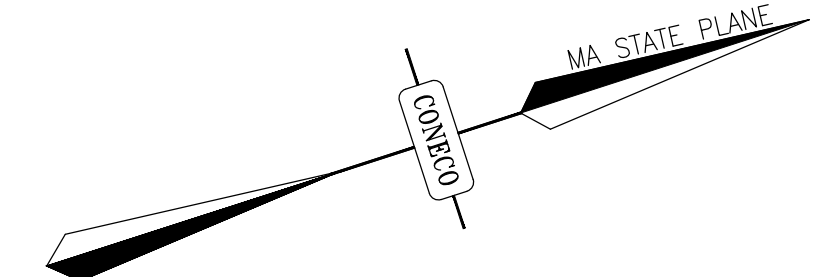
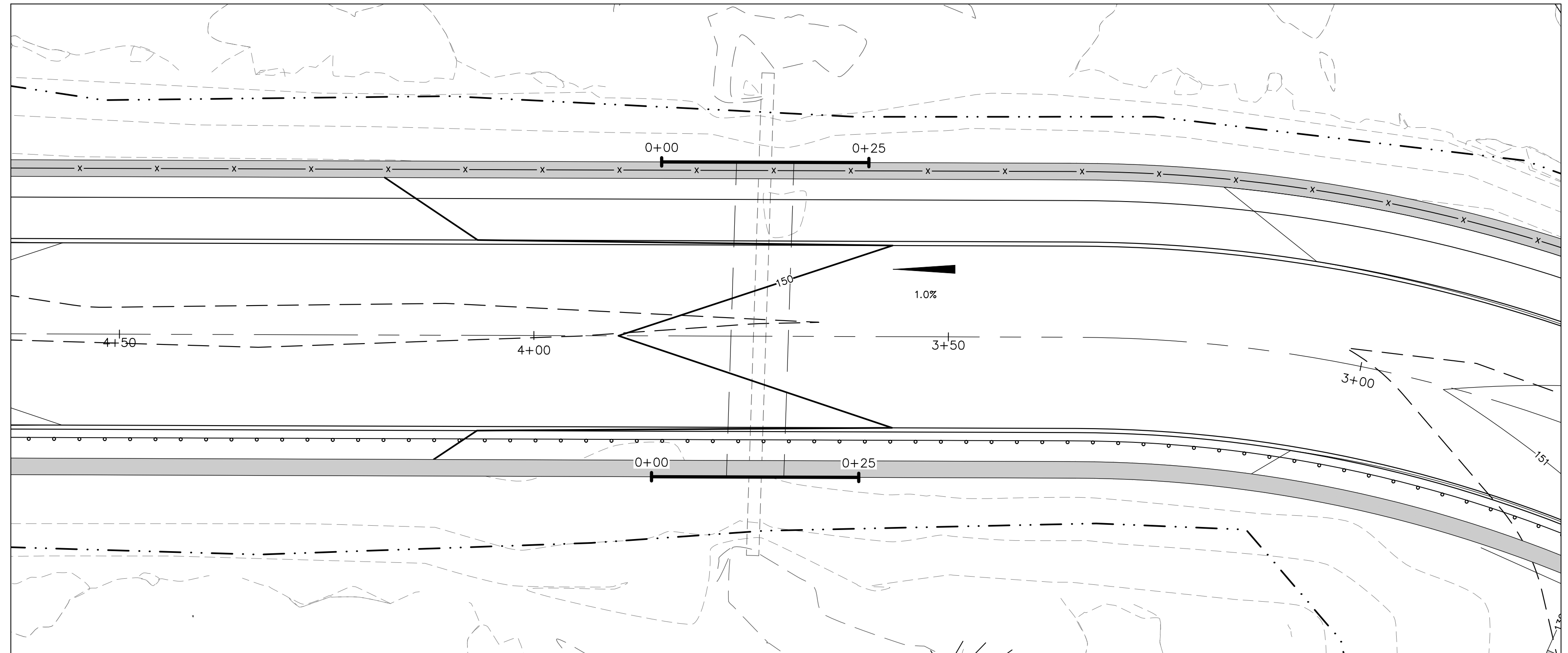
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WESTERN ELEVATION
VERT. SCALE: 1"=5'; HORIZ. SCALE: 1"=5'



CULVERT CROSSING
CENTERLINE PROFILE
VERT. SCALE: 1"=5'; HORIZ. SCALE: 1"=5'



CULVERT CROSSING
EASTERN ELEVATION
VERT. SCALE: 1"=5'; HORIZ. SCALE: 1"=5'



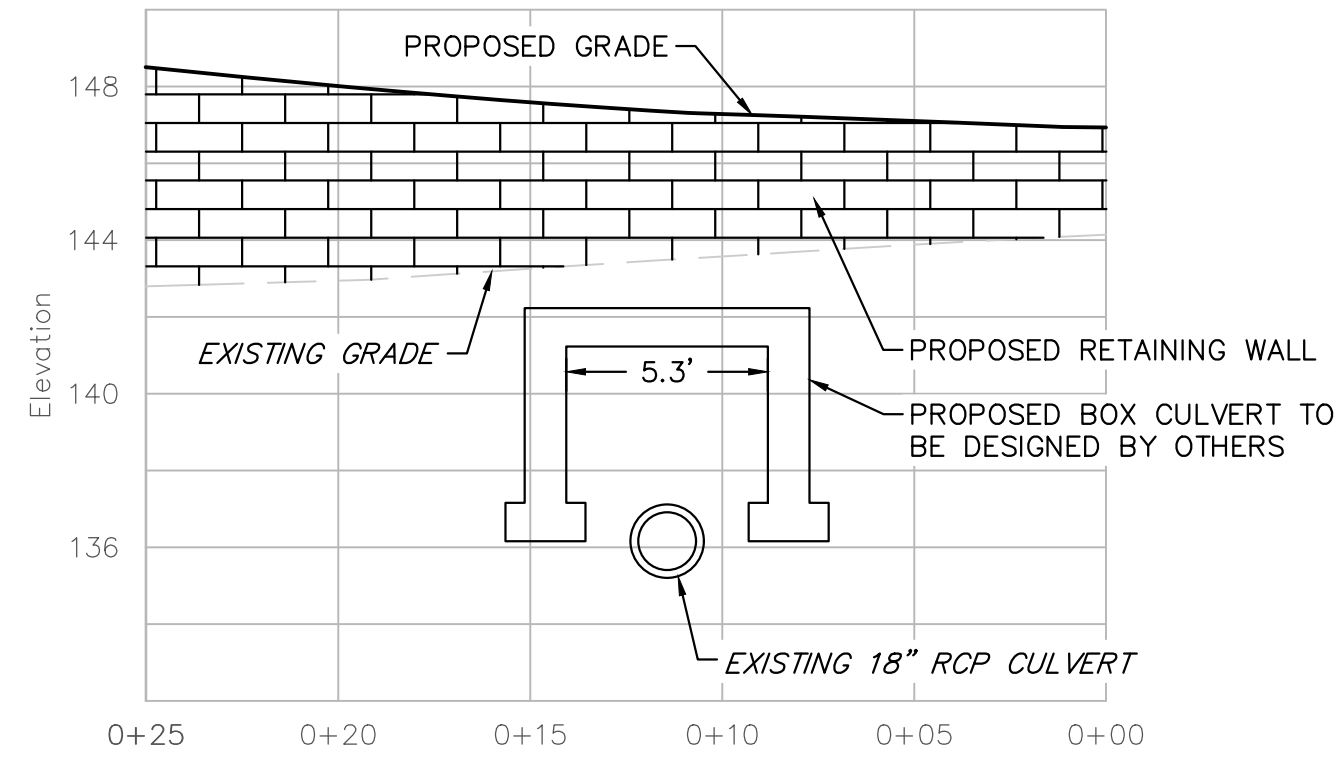
REVISIONS		DR/CK	DESCRIPTION
NO.	DATE	1	9/23/2022
1	9/23/2022	2	11/21/2022
2	11/21/2022	3	4/26/2023
3	4/26/2023		

SHINGLEMILL, LLC
4 FIRST STREET
BRIDGEWATER, MASSACHUSETTS 02324

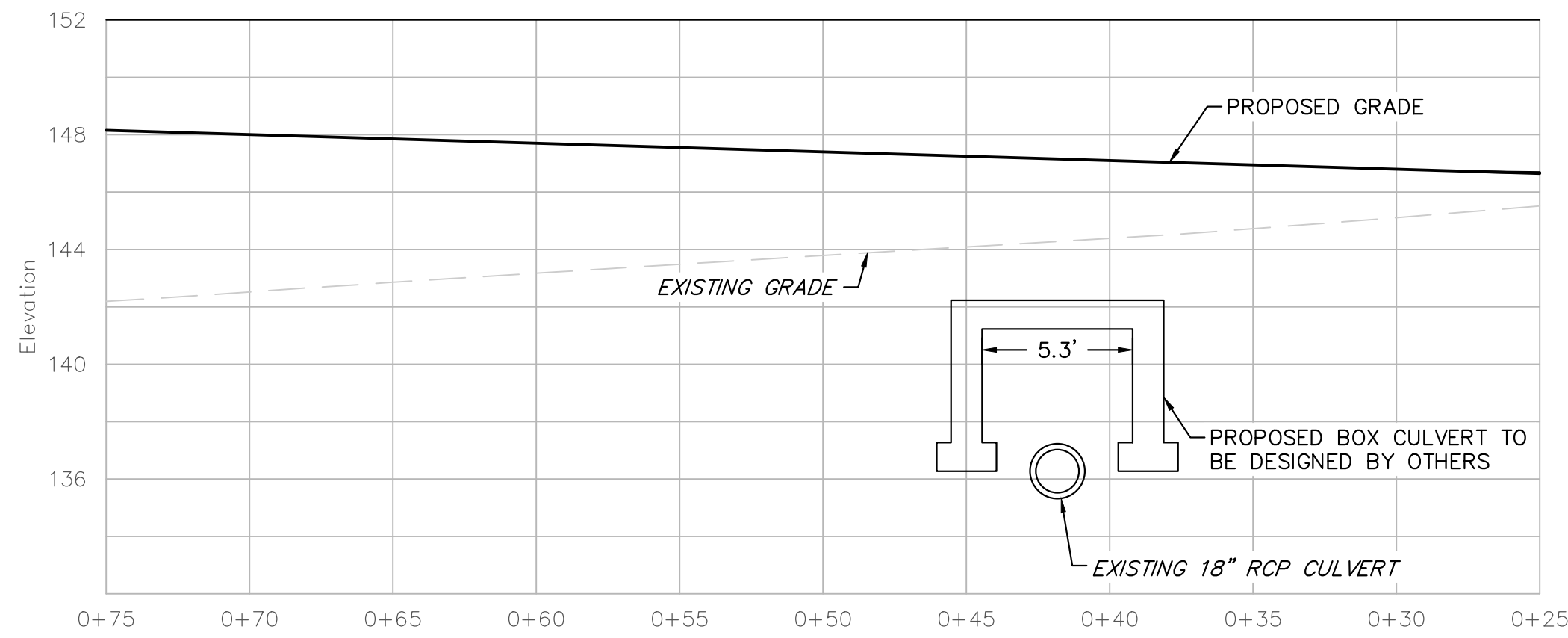
SHINGLEMILL APARTMENTS
75-79 FOND STREET
ROCKLAND, MASSACHUSETTS 02370

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Engineers & Scientists
4 FIRST STREET, BRIDGEWATER, MASSACHUSETTS 02324
PHONE 508-897-3191 OR 800-548-3355; FAX 508-697-5996
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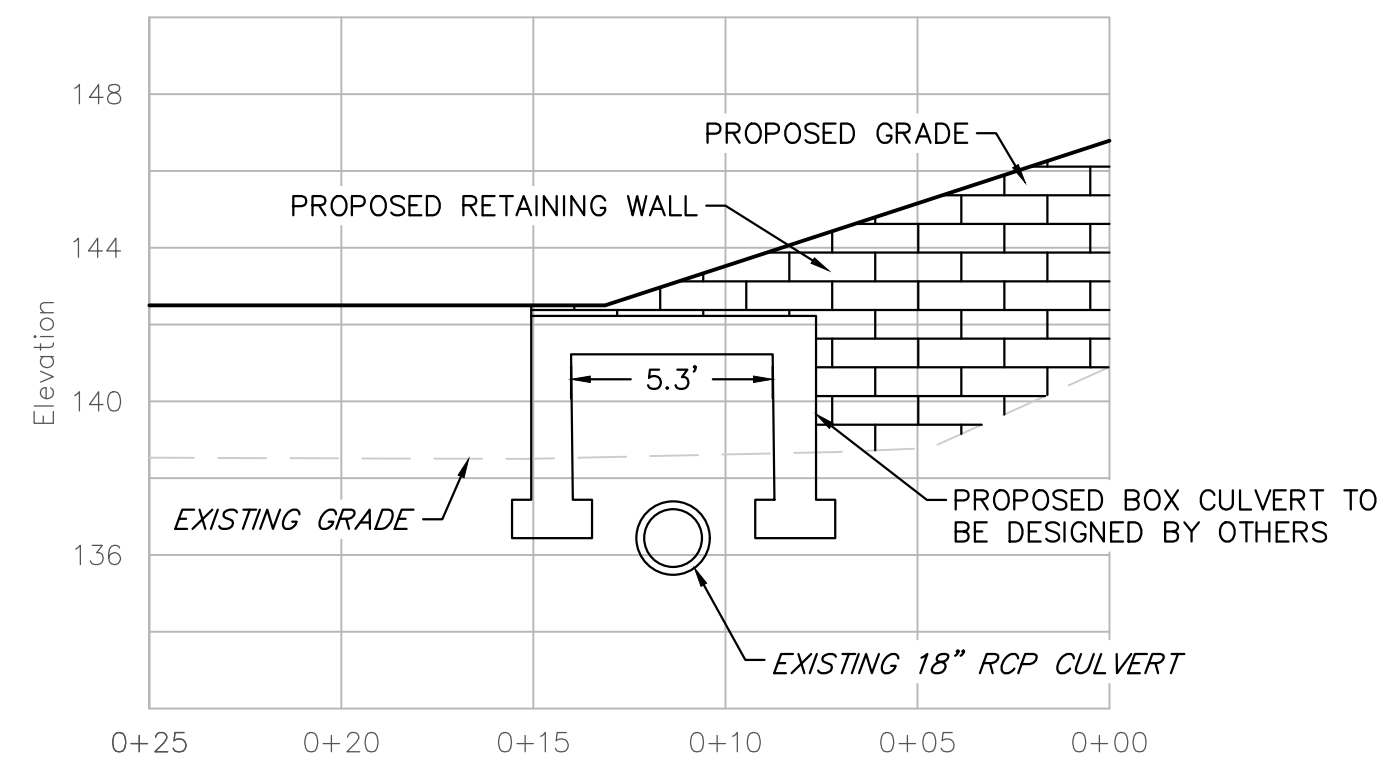
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SCALE:	1" = 30'
PROJECT NO.	3395.1
SHEET NO.	16



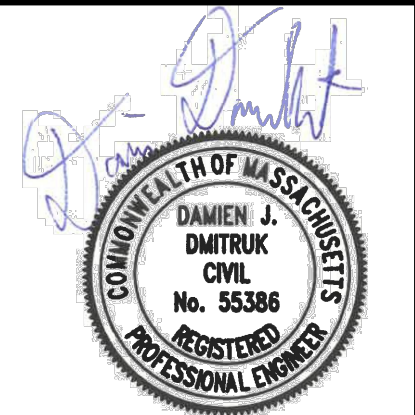
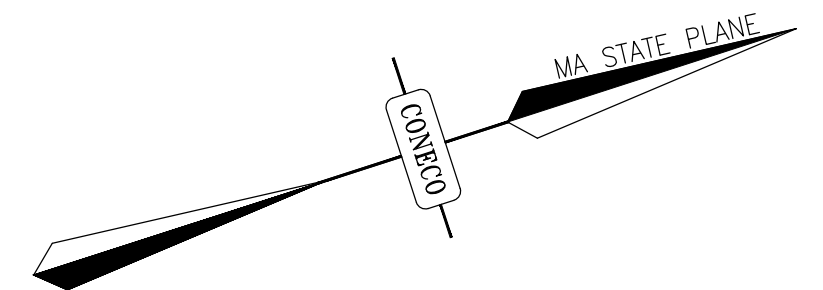
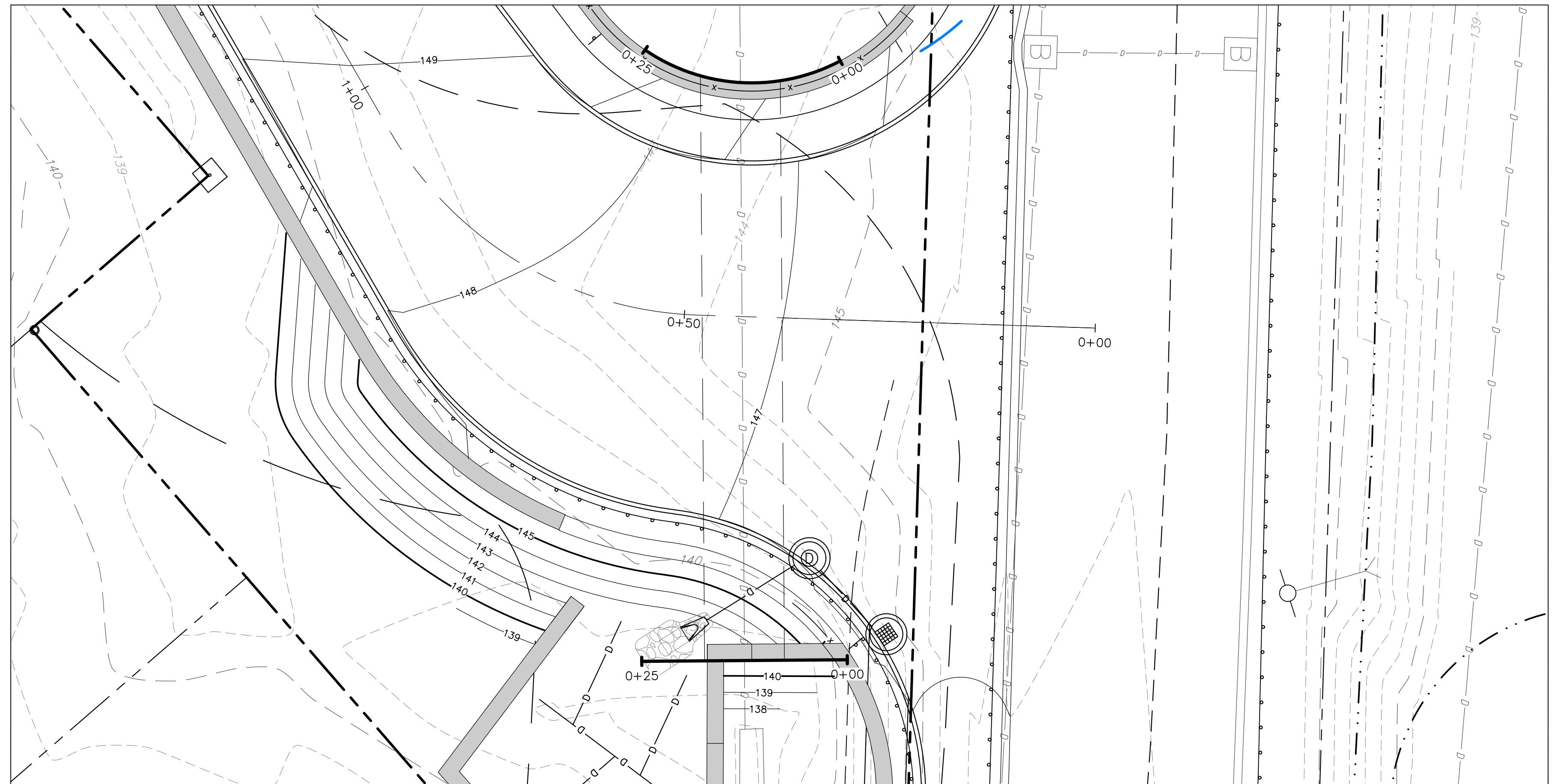
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WESTERN ELEVATION
VERT. SCALE: 1"=5'; HORIZ. SCALE: 1"=5'



CULVERT CROSSING
CENTERLINE PROFILE
VERT. SCALE: 1"=5'; HORIZ. SCALE: 1"=5'



CULVERT CROSSING
EASTERN ELEVATION
VERT. SCALE: 1"=5'; HORIZ. SCALE: 1"=5'



04/26/2023

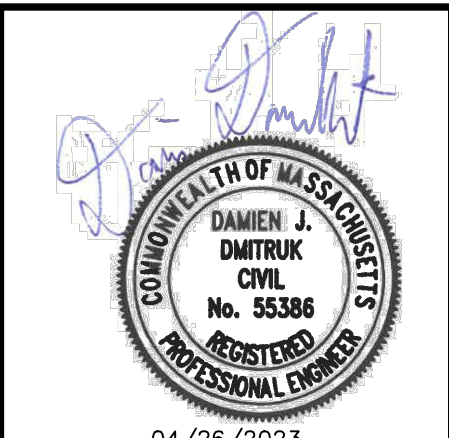
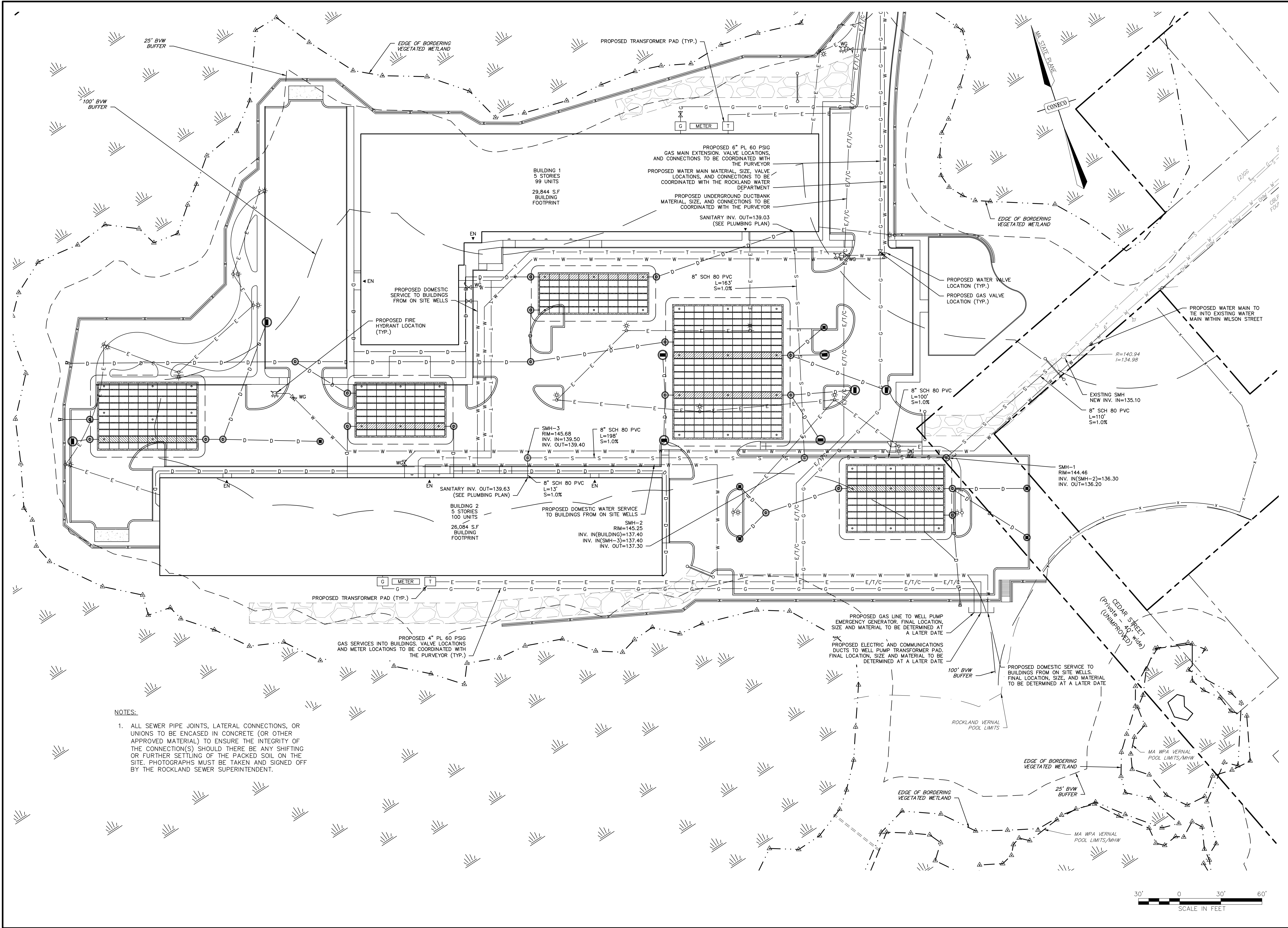
NO.	DATE	DESCRIPTION	DR/CK	D.D./MSD
1	9/23/2022	GRADING & DRAINAGE REDESIGN		
2	11/21/2022	GRADING & DRAINAGE REDESIGN		
3	4/26/2023	PER REVIEW COMMENTS		

SHINGLEMILL, LLC 4 FIRST STREET BRIDGEWATER, MASSACHUSETTS 02324	ACCESS ROAD CULVERTS SHEET 3 OF 3
--	--------------------------------------

SHINGLEMILL APARTMENTS 75-79 FOND STREET ROCKLAND, MASSACHUSETTS 02370	COMPREHENSIVE PERMIT PLANS
--	----------------------------

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DATE	02/14/2022
DESIGNED: MWK	CHECKED: DJD
DRAFTED: MWK	IN CHARGE: DJD
SCALE:	1" = 30'
PROJECT NO.	3395.1



REVISIONS				
NO.	DATE	DESCRIPTION	DR/CK	D/D/MSD
1	9/23/2022	GRADING & DRAINAGE REDESIGN		
2	11/21/2022	GRADING & DRAINAGE REDESIGN		
3	4/26/2023	PER REVIEW COMMENTS		

PREPARED FOR:
SHINGLEMILL, LLC
4 FIRST STREET
BRIDGEWATER, MASSACHUSETTS 02324

DRAWING:
SITE UTILITIES PLAN
SHEET 2 OF 2

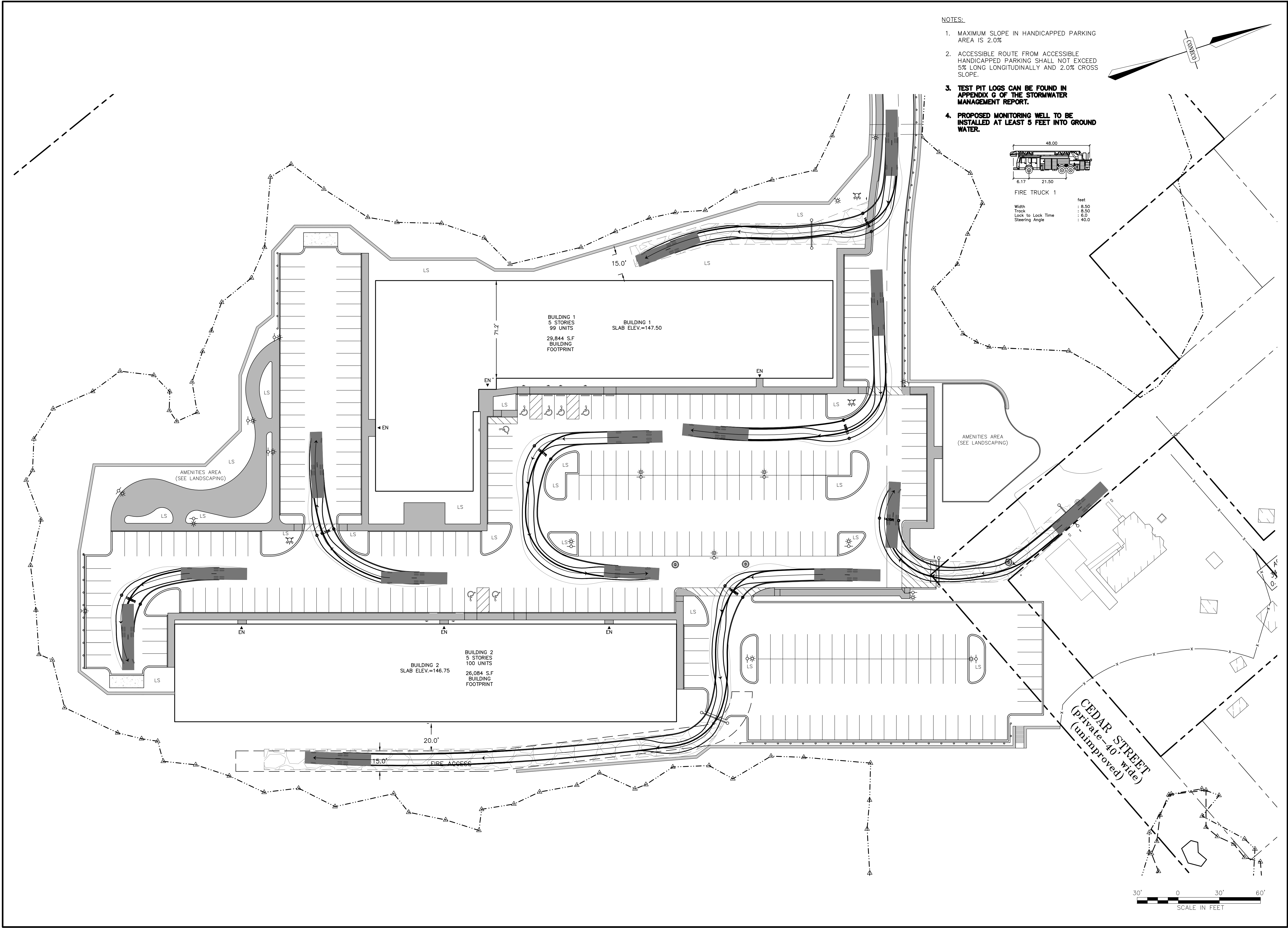
PROJECT:
SHINGLEMILL APARTMENTS
75-79 FOND STREET
ROCKLAND, MASSACHUSETTS 02370

PLAN SET:
COMPREHENSIVE PERMIT PLANS

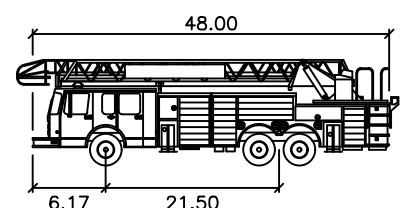
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WEBSITE: www.coneco.com

DATE	02/14/2022
DESIGNED: MWK	CHECKED: DJD
DRAFTED: MWK	IN CHARGE: DJD
SCALE:	1" = 30'
PROJECT NO.	3395.1
SHEET NO.	19 OF 32



- NOTES:
1. MAXIMUM SLOPE IN HANDICAPPED PARKING AREA IS 2.0%
 2. ACCESSIBLE ROUTE FROM ACCESSIBLE HANDICAPPED PARKING SHALL NOT EXCEED 5% LONG LONGITUDINALLY AND 2.0% CROSS SLOPE.
 3. TEST PIT LOGS CAN BE FOUND IN APPENDIX G OF THE STORMWATER MANAGEMENT REPORT.
 4. PROPOSED MONITORING WELL TO BE INSTALLED AT LEAST 5 FEET INTO GROUND WATER.



FIRE TRUCK 1

Width	8.50
Track	8.50
Lock to Lock Time	6.0
Steering Angle	40.0

04/26/2023

REVISIONS	
NO.	DATE
1	9/23/2022
2	11/21/2022
3	4/26/2023

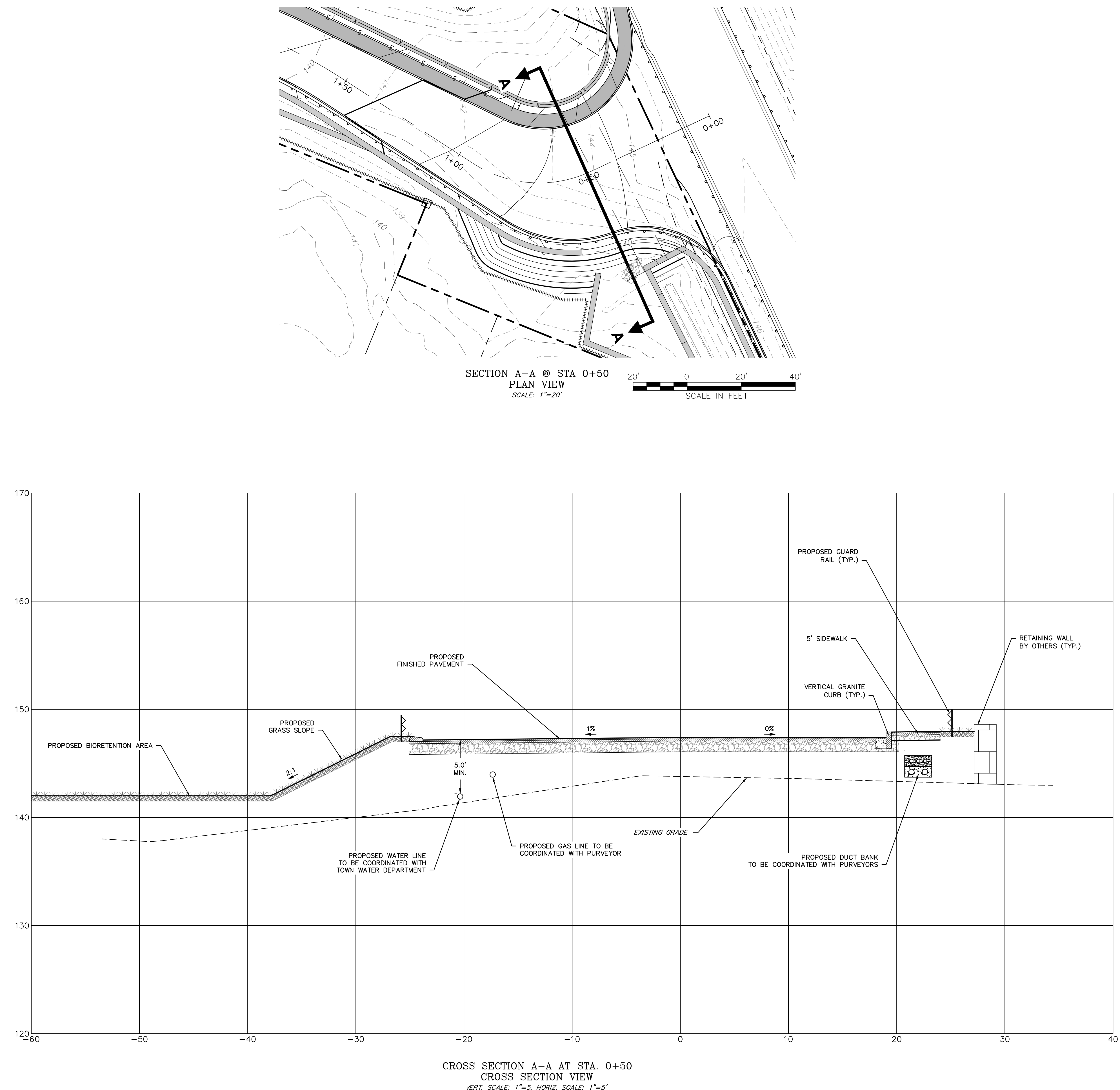
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DJD/MSD	GRADING & DRAINAGE REDESIGN
DJD/MSD	GRADING & DRAINAGE REDESIGN
DJD/MSD	PER REVIEW COMMENTS

SHINGLEMILL, LLC
4 FIRST STREET
BRIDGEWATER, MASSACHUSETTS 02324

SHINGLEMILL APARTMENTS
75-79 FOND STREET
ROCKLAND, MASSACHUSETTS 02370

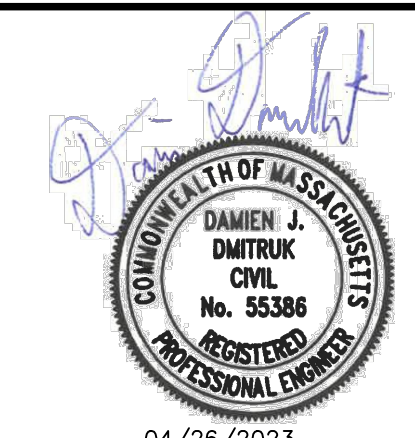
COMPREHENSIVE PERMIT PLANS

DATE: 02/14/2022
DESIGNED: DJD CHECKED: DAH
DRAFTED: DJD IN CHARGE: JEN
SCALE: 1" = 30'
PROJECT NO. 3395.1
SHEET NO. 21 OF 32



SECTION A-A @ STA 0+50
PLAN VIEW
SCALE: 1"=20'

CROSS SECTION A-A AT STA. 0+50
CROSS SECTION VIEW
VERT. SCALE: 1"=5', HORIZ. SCALE: 1"=5'



REVISIONS		DR/CK	DESCRIPTION
NO.	DATE		
1	9/23/2022	D/D/MSD	GRADING & DRAINAGE REDESIGN
2	11/21/2022	D/D/MSD	GRADING & DRAINAGE REDESIGN
3	4/26/2023	D/D/MSD	PER REVIEW COMMENTS

SHINGLEMILL, LLC
4 FIRST STREET
BRIDGEWATER, MASSACHUSETTS 02324

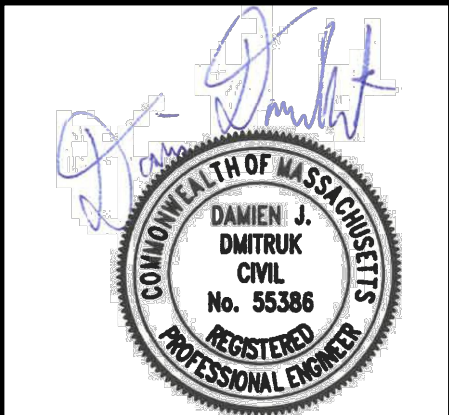
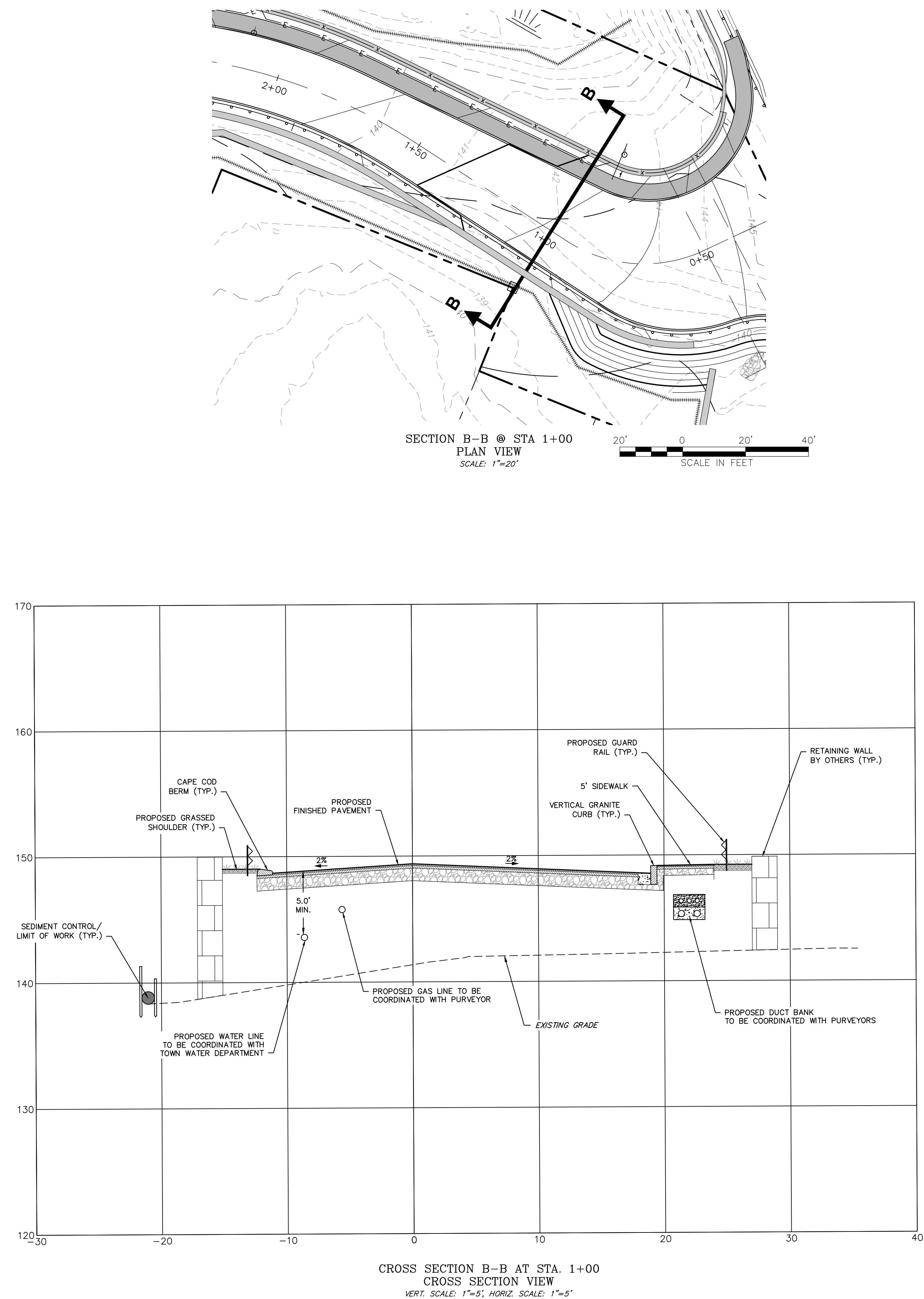
ACCESS DRIVEWAY SECTIONS
SHEET 1 OF 3

SHINGLEMILL APARTMENTS
75-79 FOND STREET
ROCKLAND, MASSACHUSETTS 02370

COMPREHENSIVE PERMIT PLANS

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PHONE 508-597-3191 OR 800-548-5355; FAX 508-697-5996
WEBSITE: www.coneco.com

DATE	02/14/2022
DESIGNED: MWK	CHECKED: CMI
DRAFTED: MWK	IN CHARGE: DJD
SCALE:	AS SHOWN
PROJECT NO.	3395.1



REVISIONS			
NO.	DATE	DESCRIPTION	DR/CK
1	9/23/2022	GRADING & DRAINAGE REDESIGN	DJD/MSD
2	11/21/2022	GRADING & DRAINAGE REDESIGN	DJD/MSD
3	4/26/2023	PER REVIEW COMMENTS	DJD/BTN

PREPARED FOR: SHINGLEMILL, LLC
4 FIRST STREET
BRIDGEWATER, MASSACHUSETTS 02324

PROJECT: SHINGLEMILL APARTMENTS
75-79 FOND STREET
ROCKLAND, MASSACHUSETTS 02370

DRAWING: ACCESS DRIVEWAY SECTIONS
SHEET 2 OF 3

DATE: 02/14/2022

DESIGNED: MWK	CHECKED: CMI
DRAFTED: MWK	IN CHARGE: DJD

SCALE: AS SHOWN

PROJECT NO. 3395.1

SHEET NO.

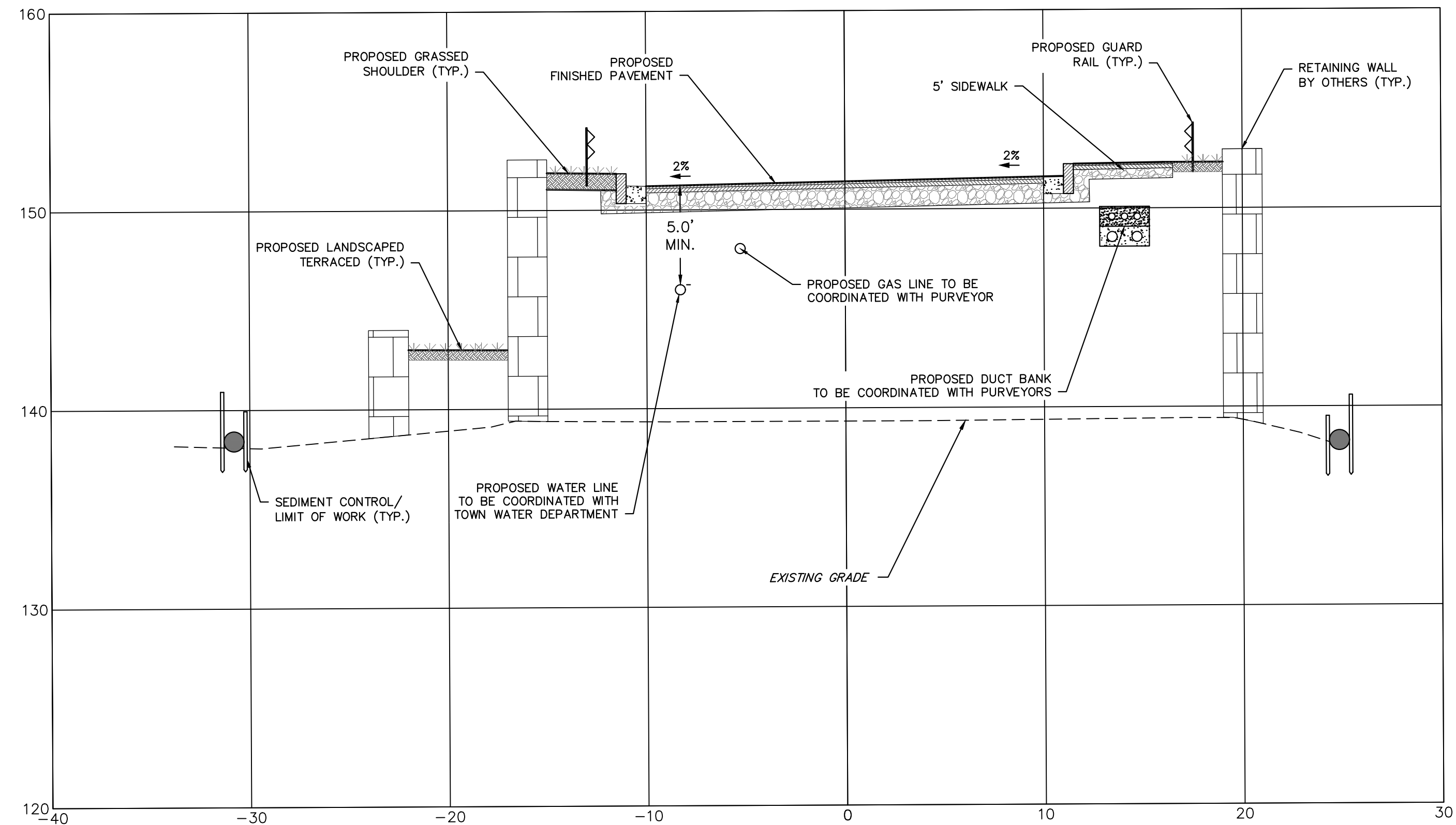
CONECO

Engineers & Scientists

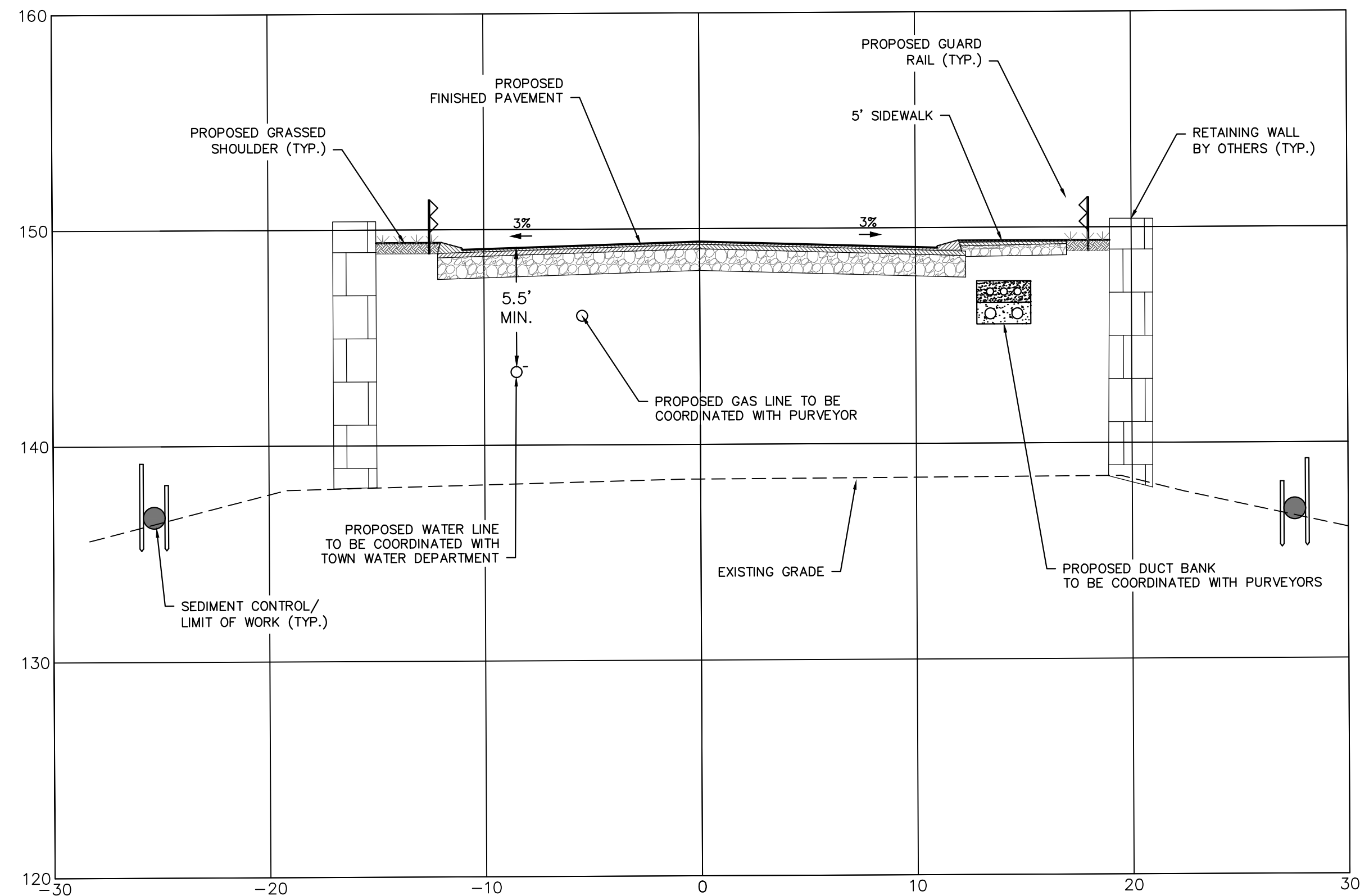
4 FIRST STREET, BRIDGEWATER, MASSACHUSETTS 02324
PHONE 508-597-3191 OR 800-548-5355; FAX 508-697-5996
WEBSITE: www.coneco.com

23

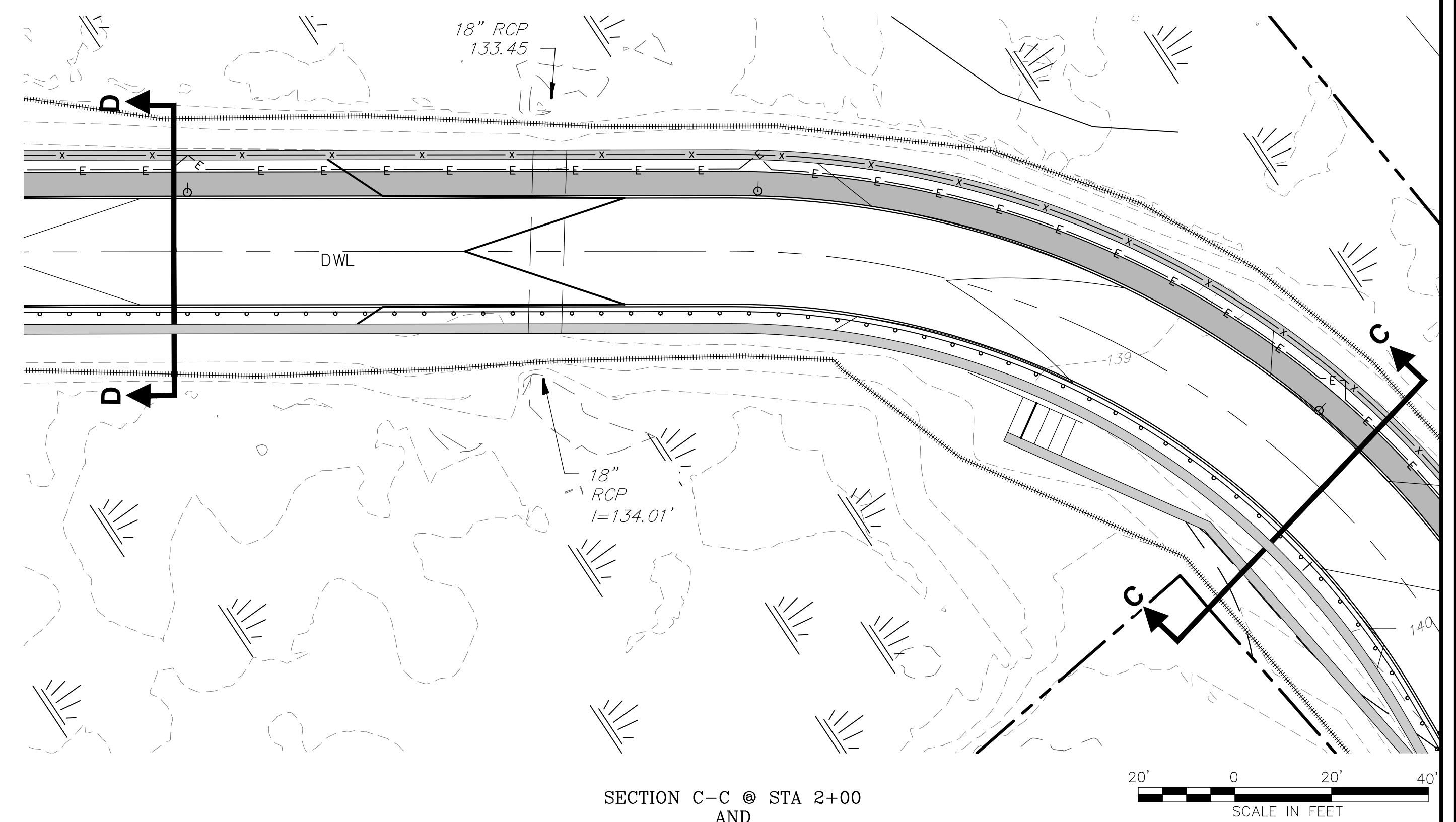
OF 32



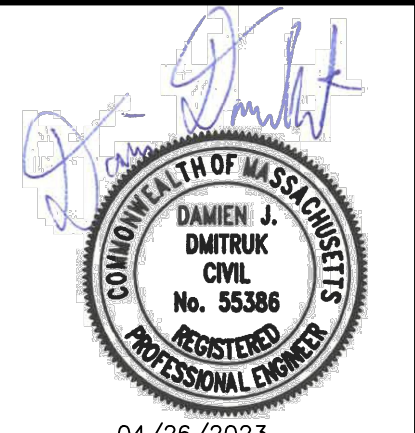
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CROSS SECTION VIEW
VERT. SCALE: 1"=5'; HORIZ. SCALE: 1"=5'



CROSS SECTION D-D AT STA. 4+50
CROSS SECTION VIEW
VERT. SCALE: 1"=5'; HORIZ. SCALE: 1"=5'



SECTION C-C @ STA. 2+00
AND
SECTION D-D @ STA. 4+50
PLAN VIEW
SCALE: 1"=20'



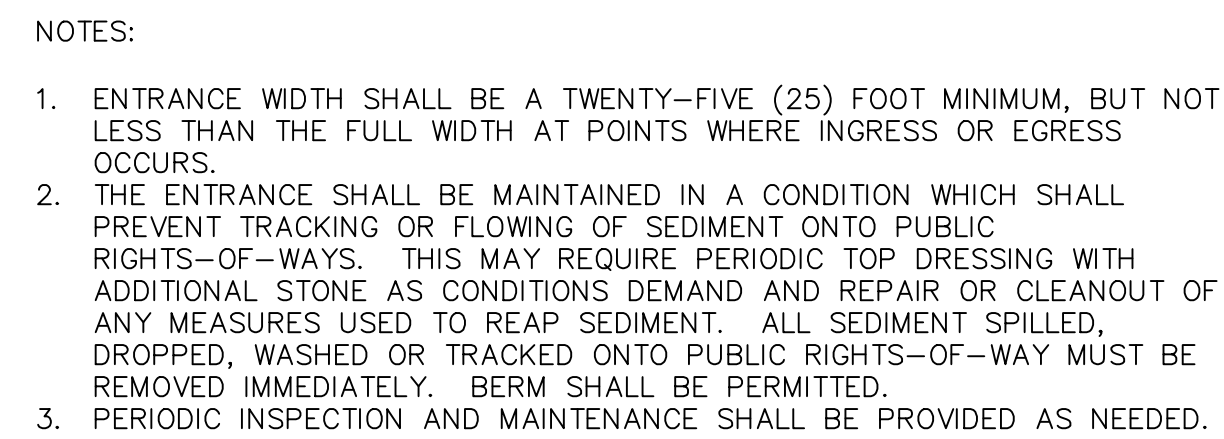
REVISIONS				
NO.	DATE	DESCRIPTION	DR/CK	
1	9/23/2022	GRADING & DRAINAGE REDESIGN	D/D/MSD	
2	11/21/2022	GRADING & DRAINAGE REDESIGN	D/D/MSD	
3	4/26/2023	PER REVIEW COMMENTS	D/D/MSD	

PROJECT:	SHINGLEMILL, LLC 4 FIRST STREET BRIDGEWATER, MASSACHUSETTS 02324
PREPARED FOR:	SHINGLEMILL APARTMENTS 75-79 FOND STREET ROCKLAND, MASSACHUSETTS 02370
DRAWING:	ACCESS DRIVEWAY SECTIONS SHEET 3 OF 3
PLAN SET:	COMPREHENSIVE PERMIT PLANS

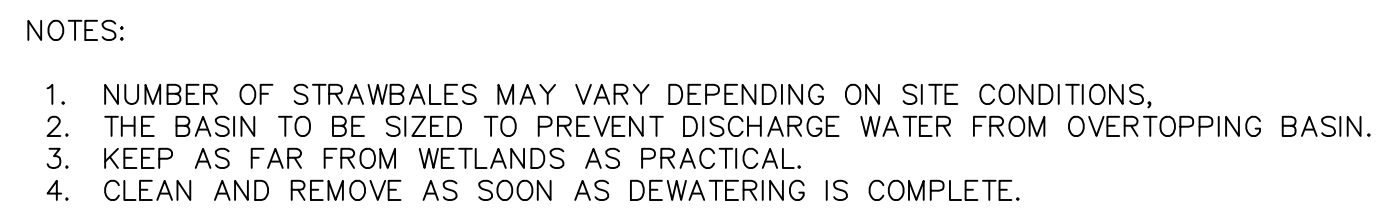
DATE	02/14/2022
DESIGNED: MWK	CHECKED: CMH
DRAFTED: MWK	IN CHARGE: DJD
SCALE:	AS SHOWN
PROJECT NO.	3395.1
SHEET NO.	24

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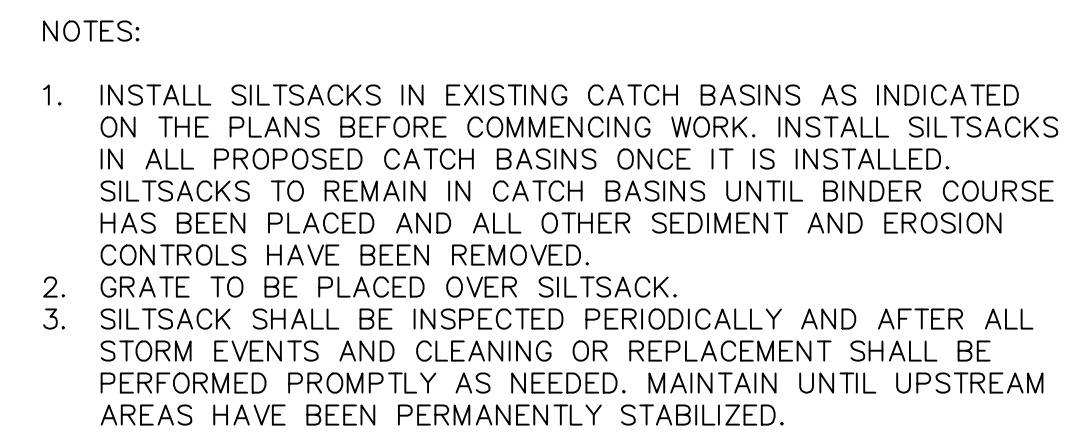
4 FIRST STREET, BRIDGEWATER, MASSACHUSETTS 02324
PHONE 508-897-3191 OR 800-548-3355; FAX 508-697-5996
WEBSITE: www.coneco.com



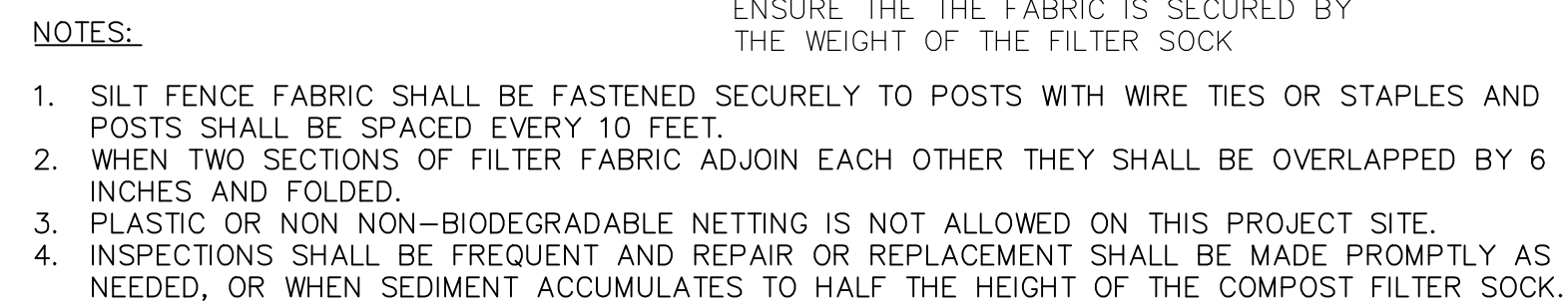
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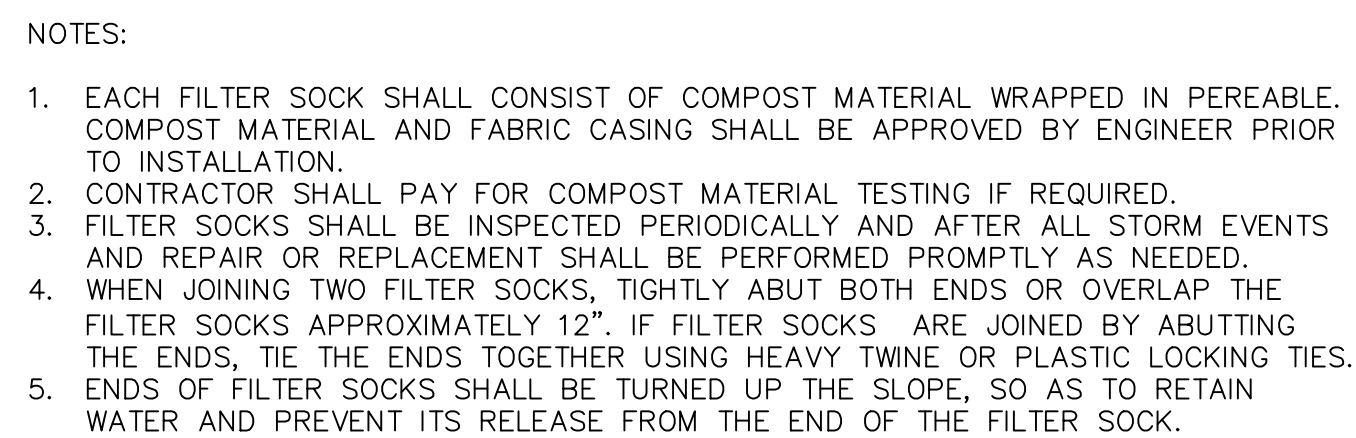
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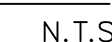
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N.T.S.



N.T.S.



RELATIONS				
NO.	DATE	DESCRIPTION	D/J/MSD	D/E/CK
1	9/23/2022	GRADING & DRAINAGE REDESIGN	D/J/MSD	
2	11/21/2022	GRADING & DRAINAGE REDESIGN	D/J/MSD	
3	4/26/2023	PER REVIEW COMMENTS	D/J/MSD	D/J/BTM

SHINGLEMILL, LLC
4 FIRST STREET
BRIDGEWATER, MASSACHUSETTS 02324

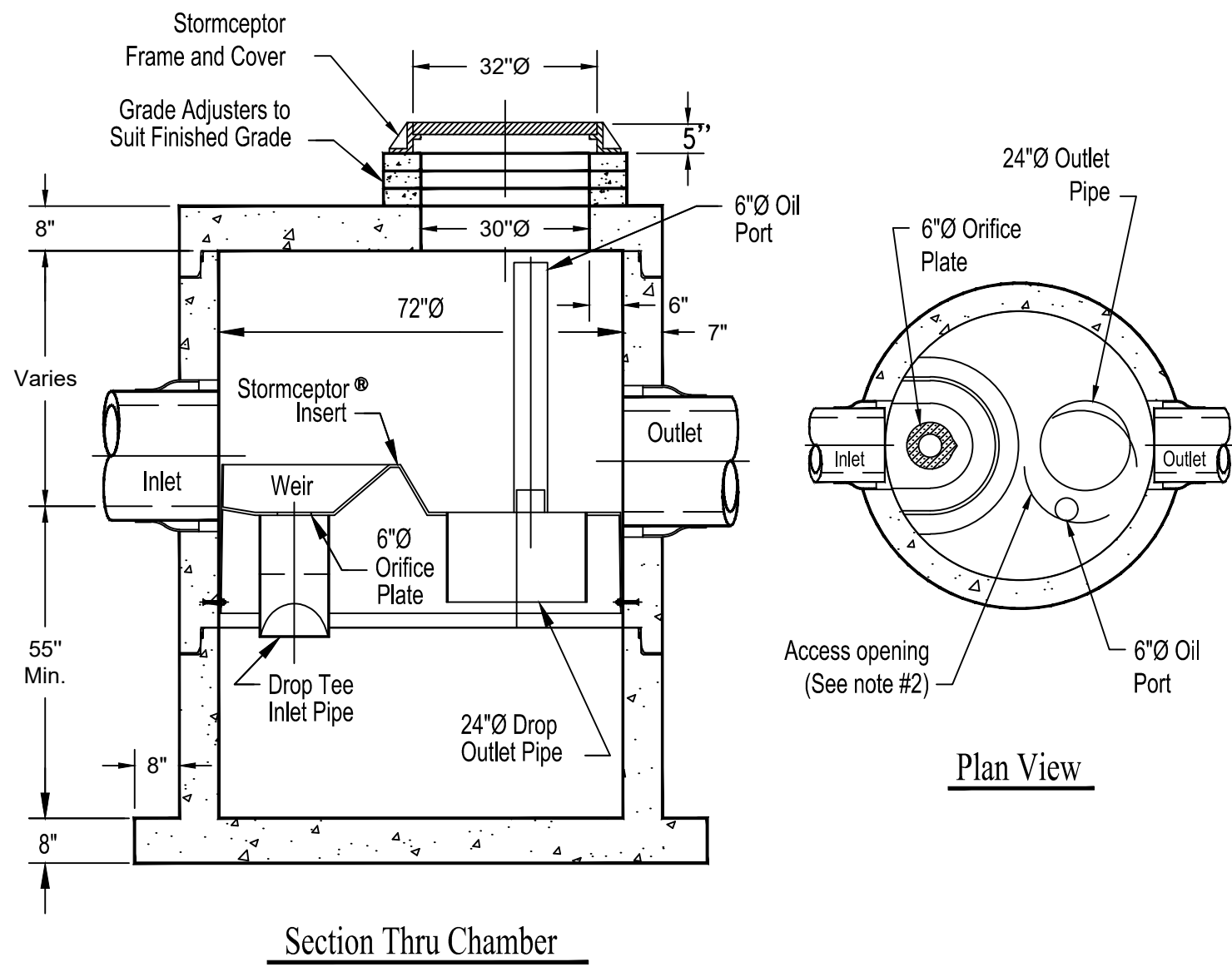
DETAILS
SHEET 1 OF 8

SHINGLEMILL APARTMENTS
75-79 POND STREET
ROCKLAND, MASSACHUSETTS 02370

COMPREHENSIVE PERMIT PLANS

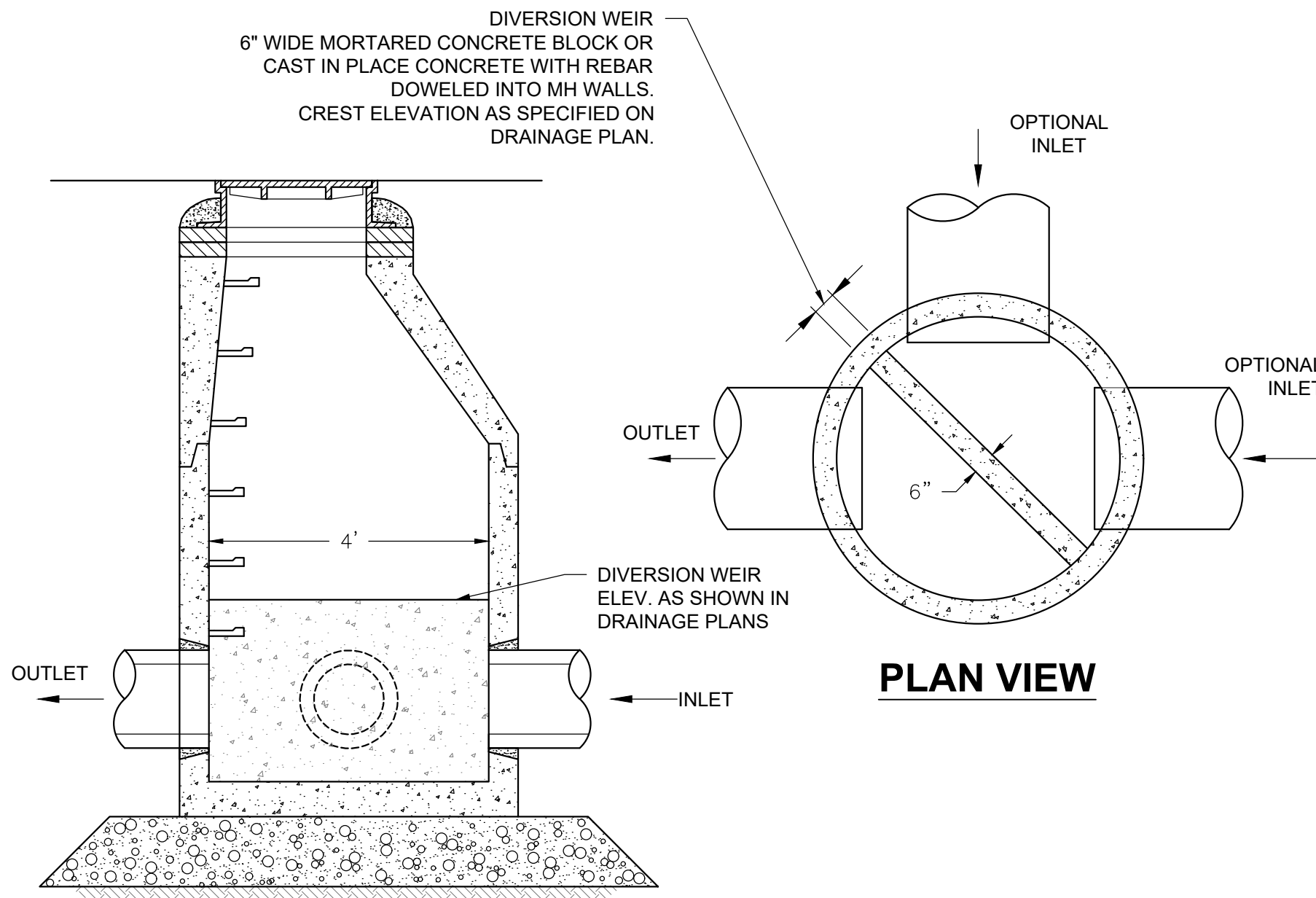
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DESIGNED:	MVK	CHECKED:	DJD
DRAFTED:	MVK	IN CHARGE:	DJD
SCALE:		N.T.S.	
PROJECT NO.		3395.1	
SHEET NO.		05	

STC 900 Precast Concrete Stormceptor®
(900 U.S. Gallon Capacity)



- Notes:
1. The Use Of Flexible Connection is Recommended at The Inlet and Outlet Where Applicable.
 2. The Cover Should be Positioned Over The Outlet Drop Pipe and The Oil Port.
 3. The Stormceptor System is protected by one or more of the following U.S. Patents: #4985148, #5498331, #5725760, #5753115, #5849181, #6068765, #6371690.
 4. Contact a Concrete Pipe Division representative for further details not listed on this drawing.

Rinker 028

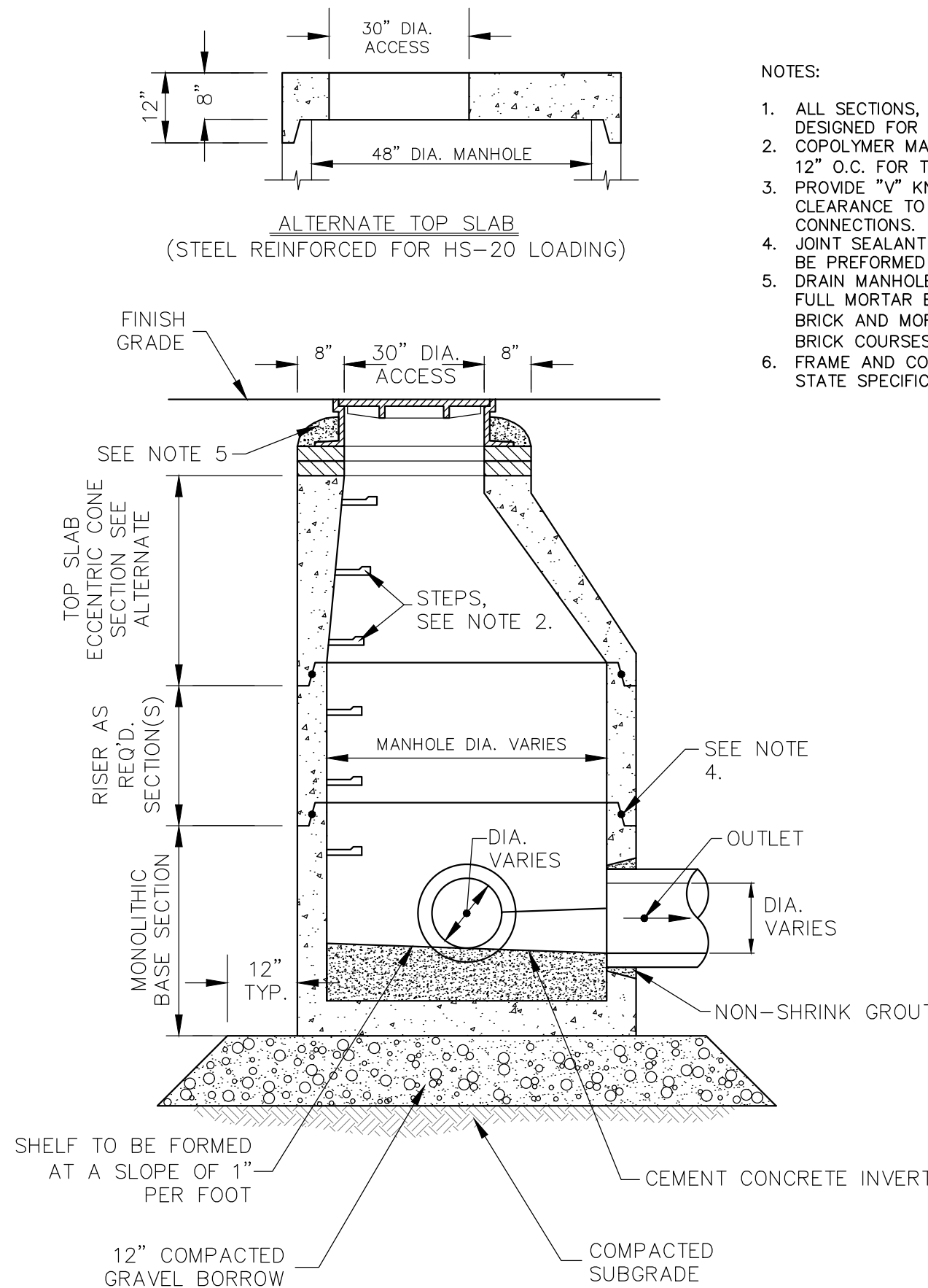


SECTION

- Notes:
1. ALL SECTIONS, FRAME, AND GRATES SHALL BE DESIGNED FOR HS-20 LOADING.
 2. COPOLYMER MANHOLE STEPS SHALL BE INSTALLED AT 12" O.C. FOR THE FULL DEPTH OF THE STRUCTURE.
 3. PROVIDE "Y" KNOCKOUTS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
 4. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
 5. DIVERSION WEIR SHALL HOLD LOW FLOW STORMWATER WITHIN THE INFILTRATION SYSTEM. HIGHER FLOW RATES SHALL OVERPASS THE WEIR.
 6. MANHOLE DIAMETER SHALL BE SET BY THE PRECAST MANUFACTURER TO ALLOW ROOM FOR PIPE PENETRATIONS, UNLESS OTHERWISE SPECIFIED.
 7. REFER TO DRAINAGE PLANS FOR PIPE MATERIAL, DIAMETER, AND INVERTS.

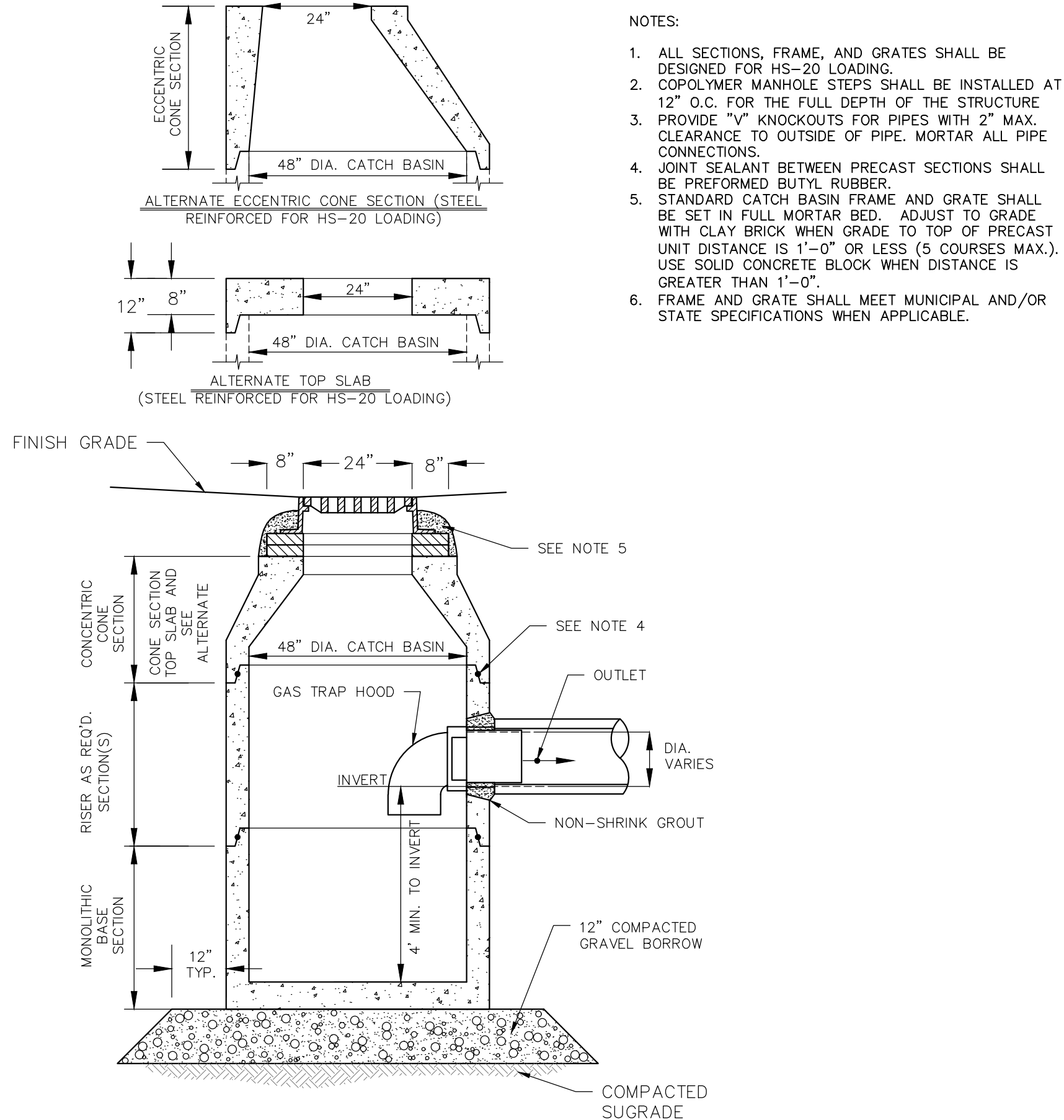
DIVERSION WEIR DRAIN MANHOLE (WMH)

N.T.S.



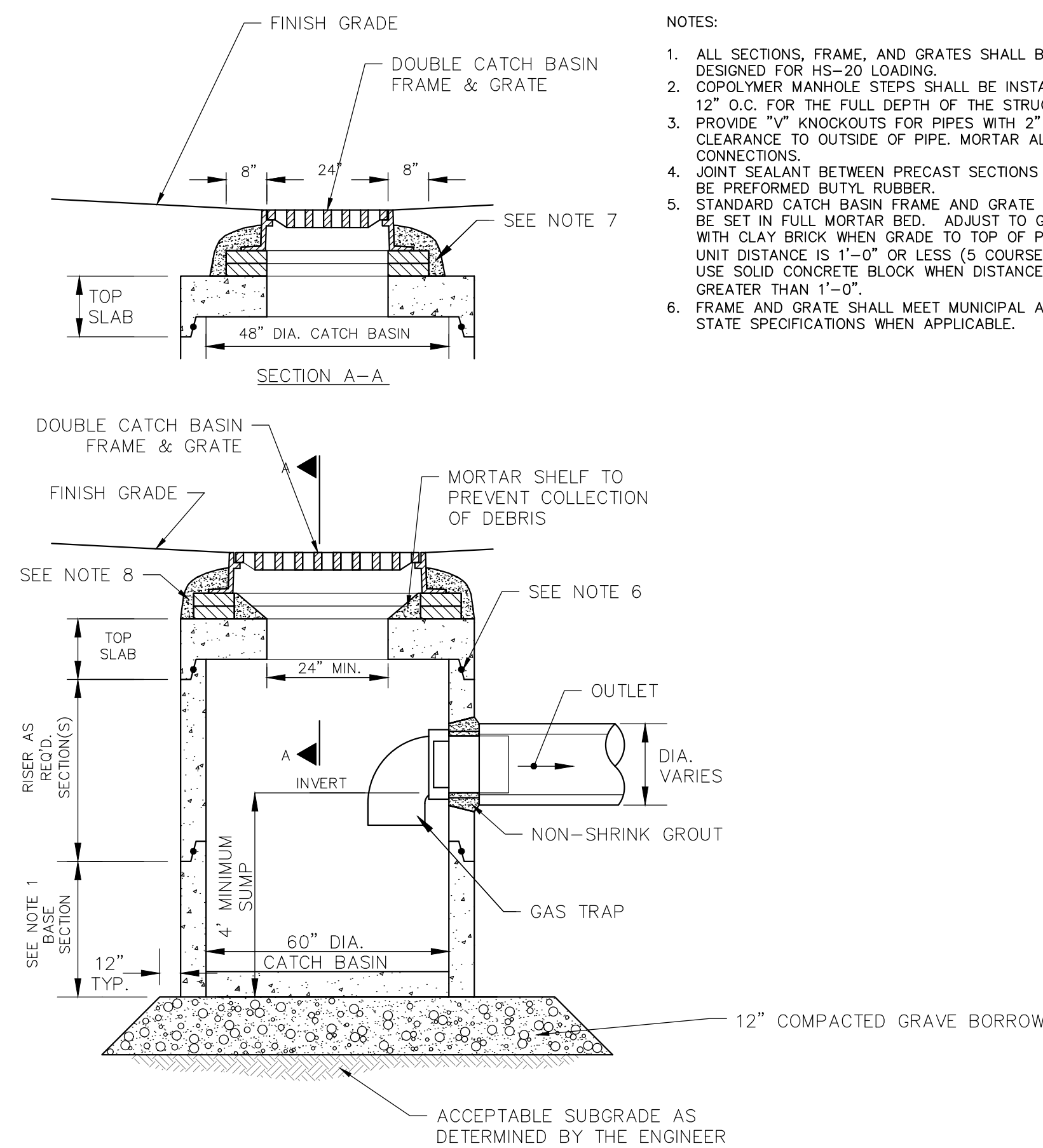
DRAIN MANHOLE (DMH)

N.T.S.



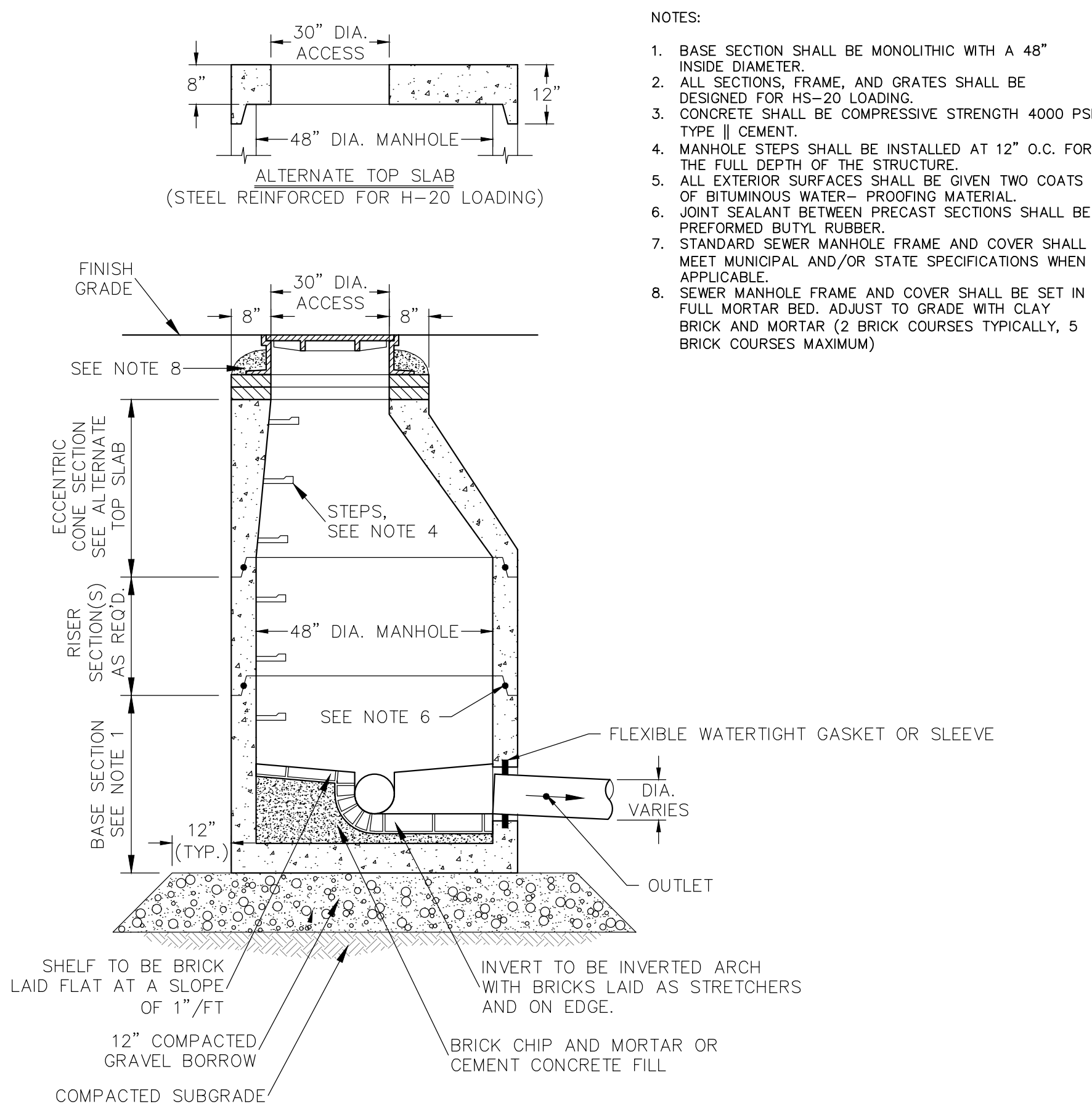
CATCH BASIN (CB)

N.T.S.



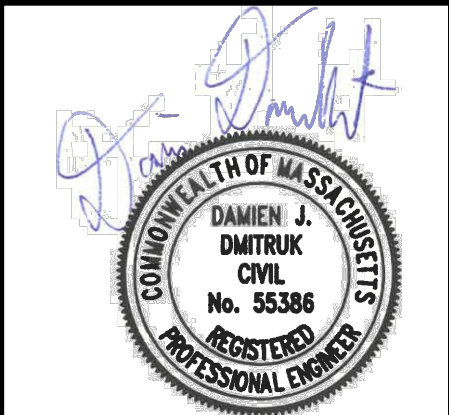
DOUBLE GRATE CATCH BASIN (DCB) WITH TRAP

N.T.S.



SANITARY SEWER MANHOLE (SMH)

N.T.S.



04/26/2023

NO.	DATE	DESCRIPTION	REVISIONS			
			DR/CK	D/D/MSD	D/D/MSD	D/D/MSD
1	9/23/2022	GRADING & DRAINAGE REDESIGN				
2	11/21/2022	GRADING & DRAINAGE REDESIGN				
3	4/26/2023	PER REVIEW COMMENTS				

PREPARED FOR:	SHINGLEMILL, LLC 4 FIRST STREET BRIDGEWATER, MASSACHUSETTS 02324
DRAWN:	DETAILS SHEET 2 OF 8

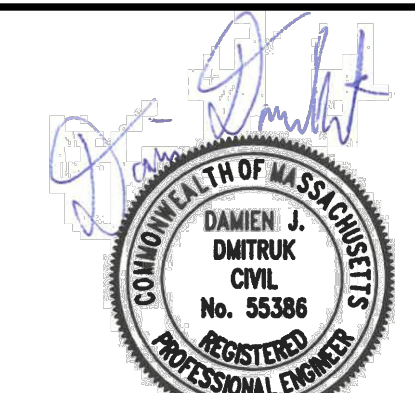
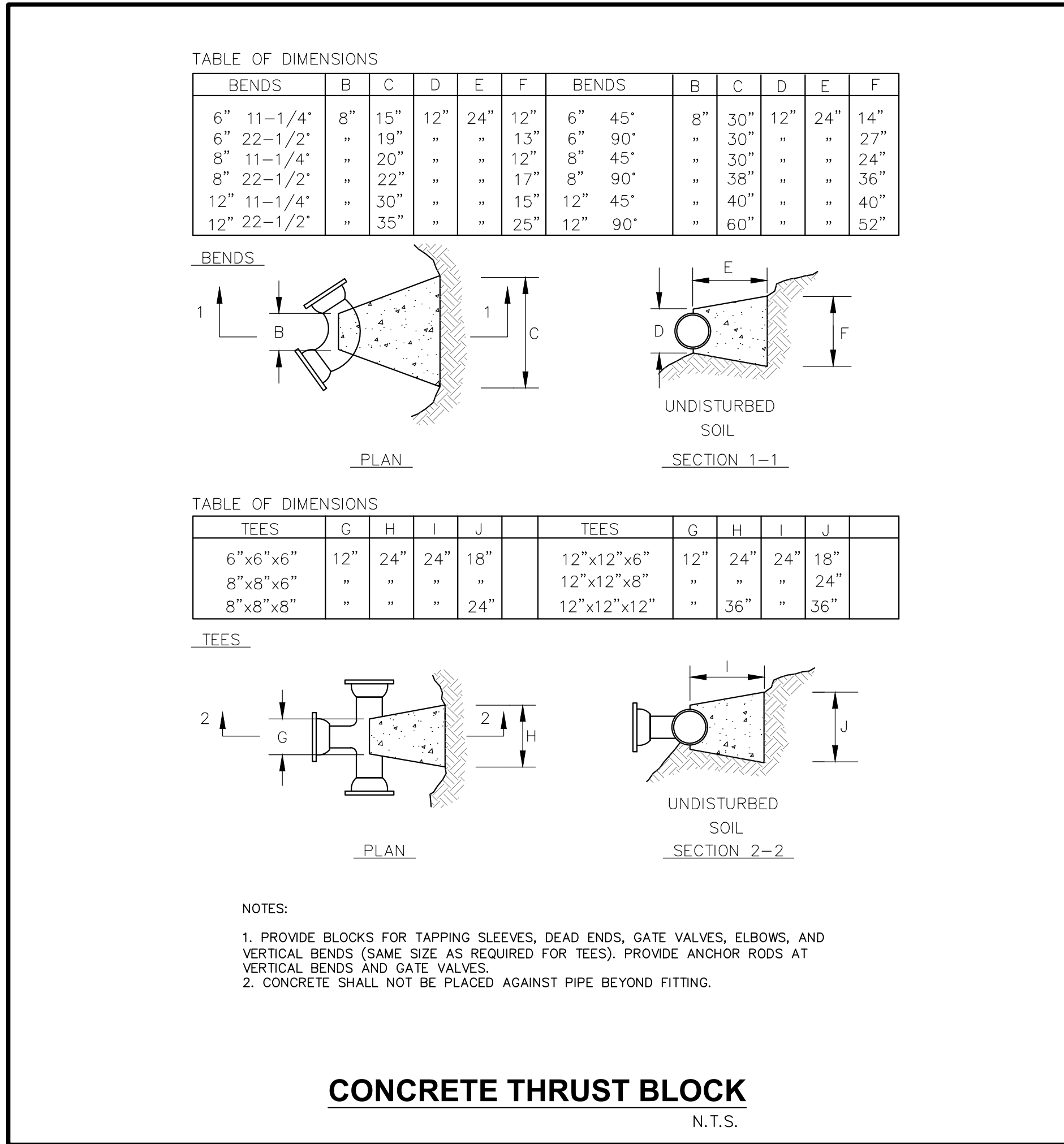
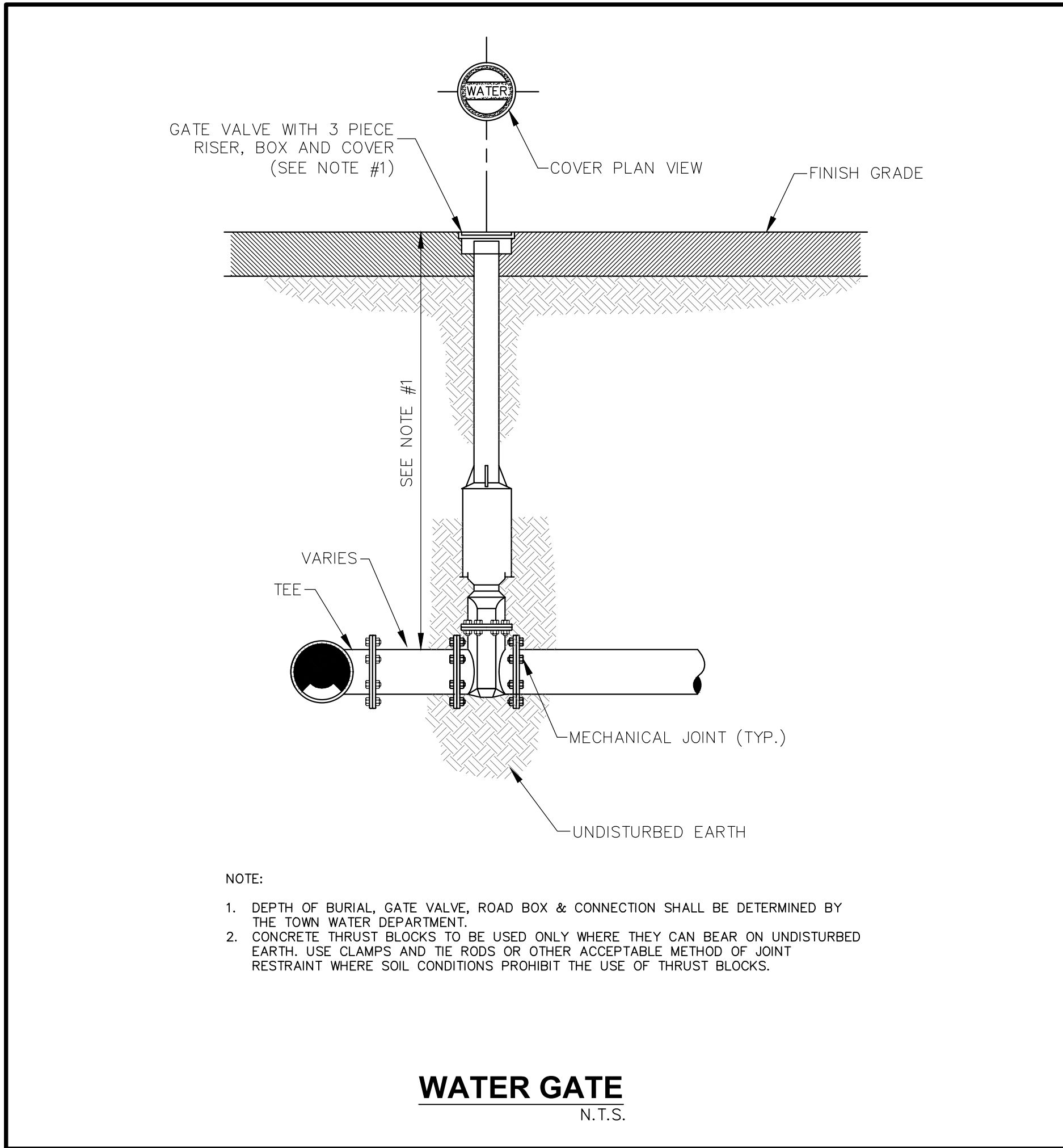
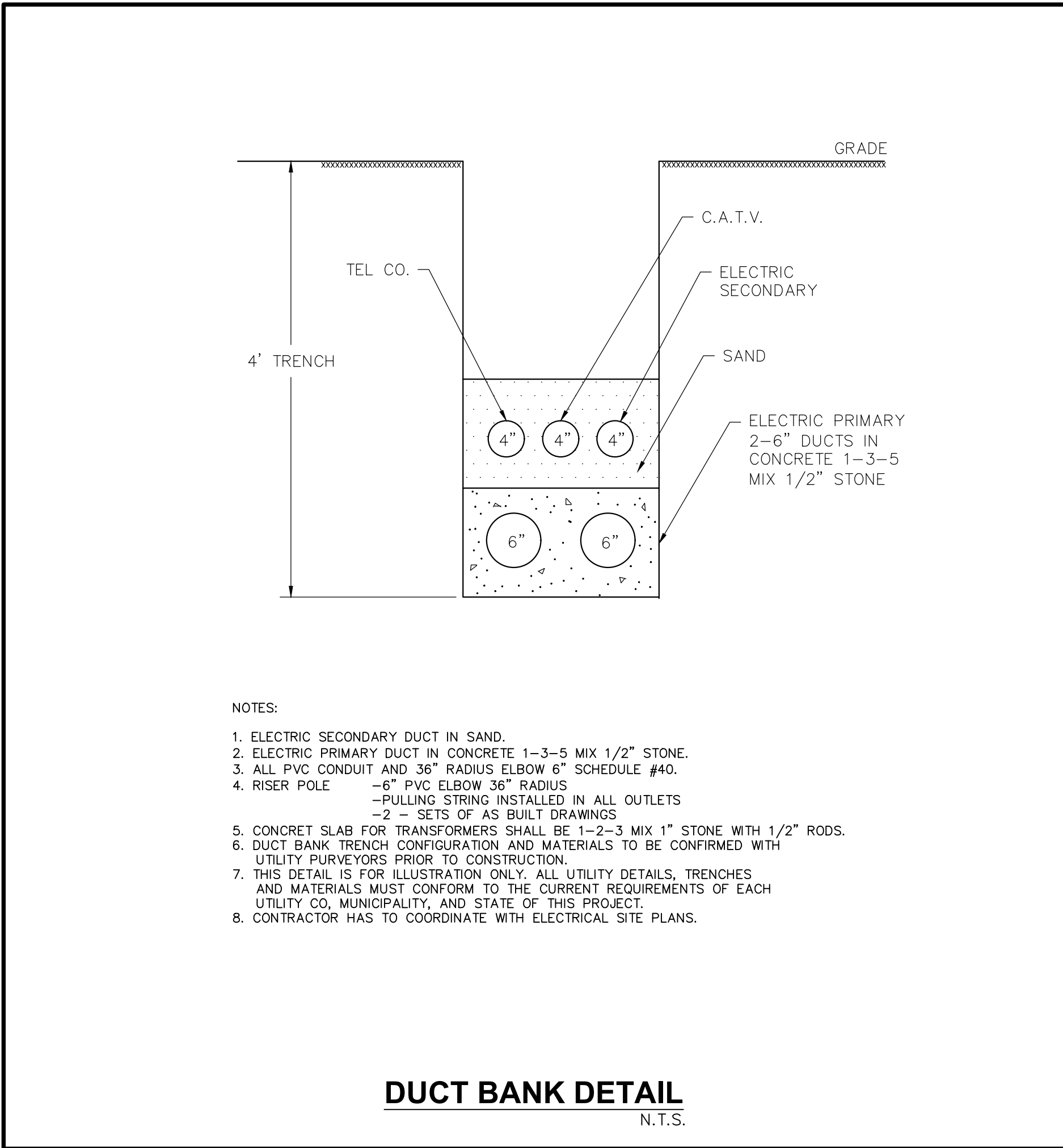
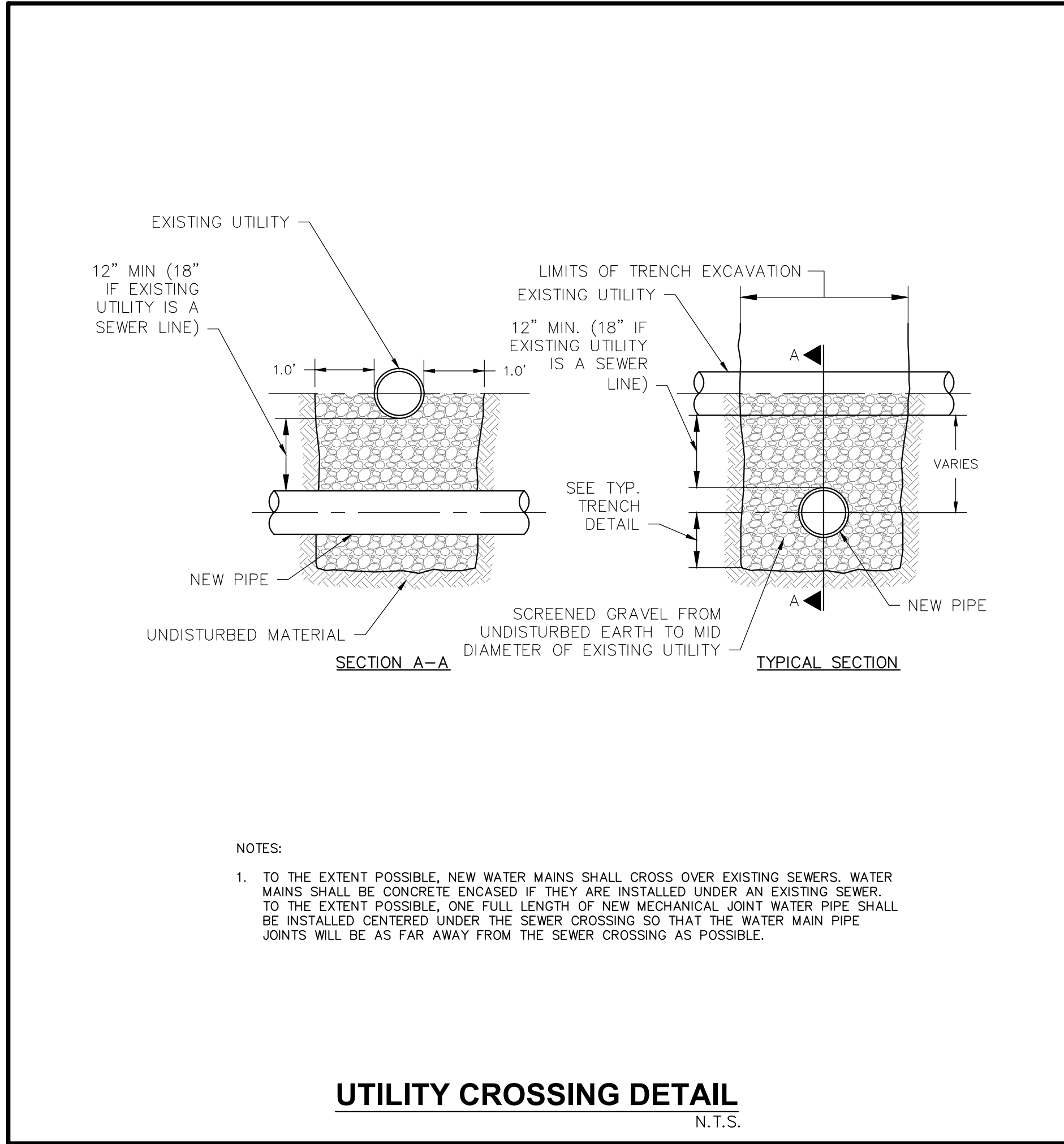
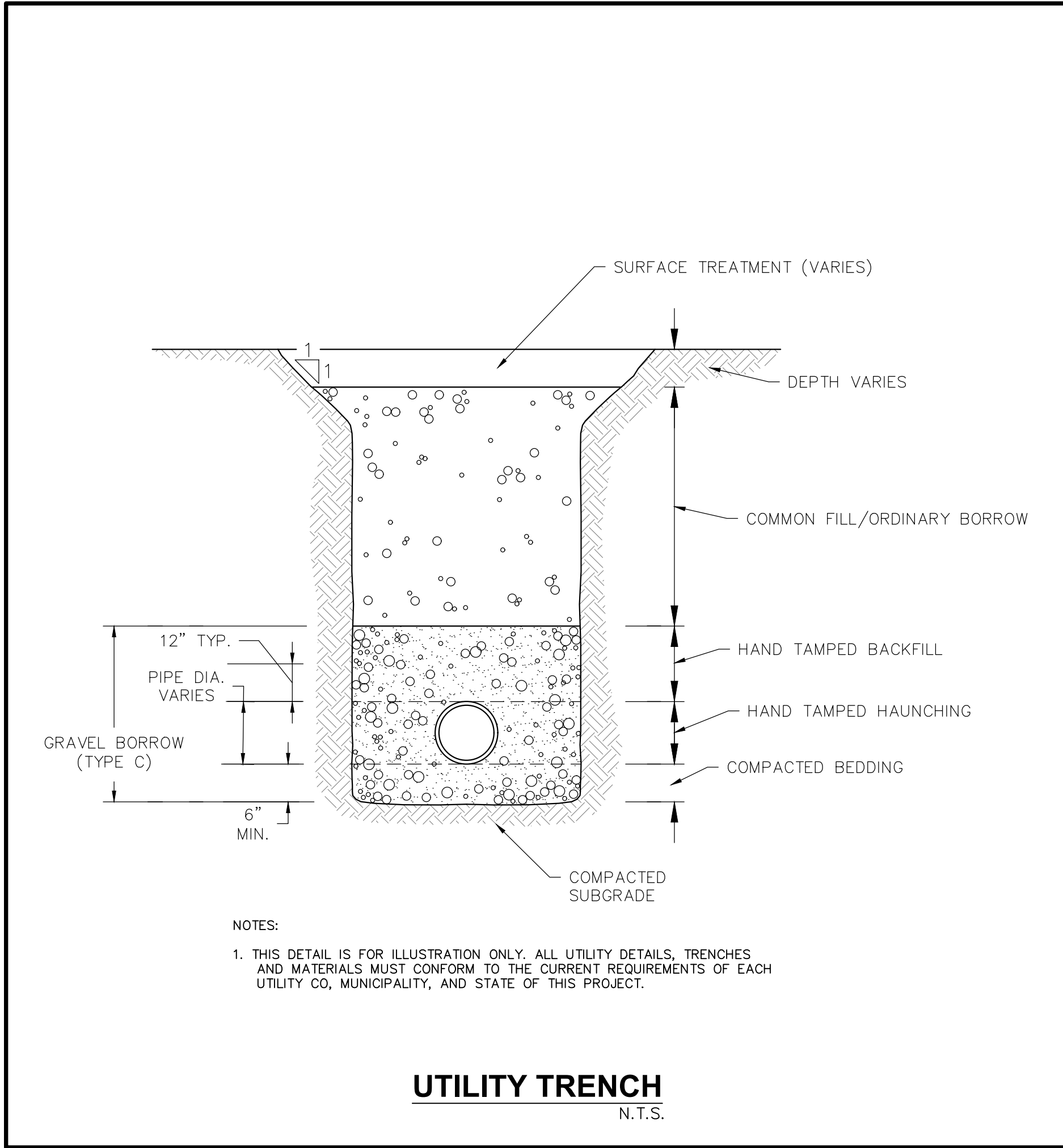
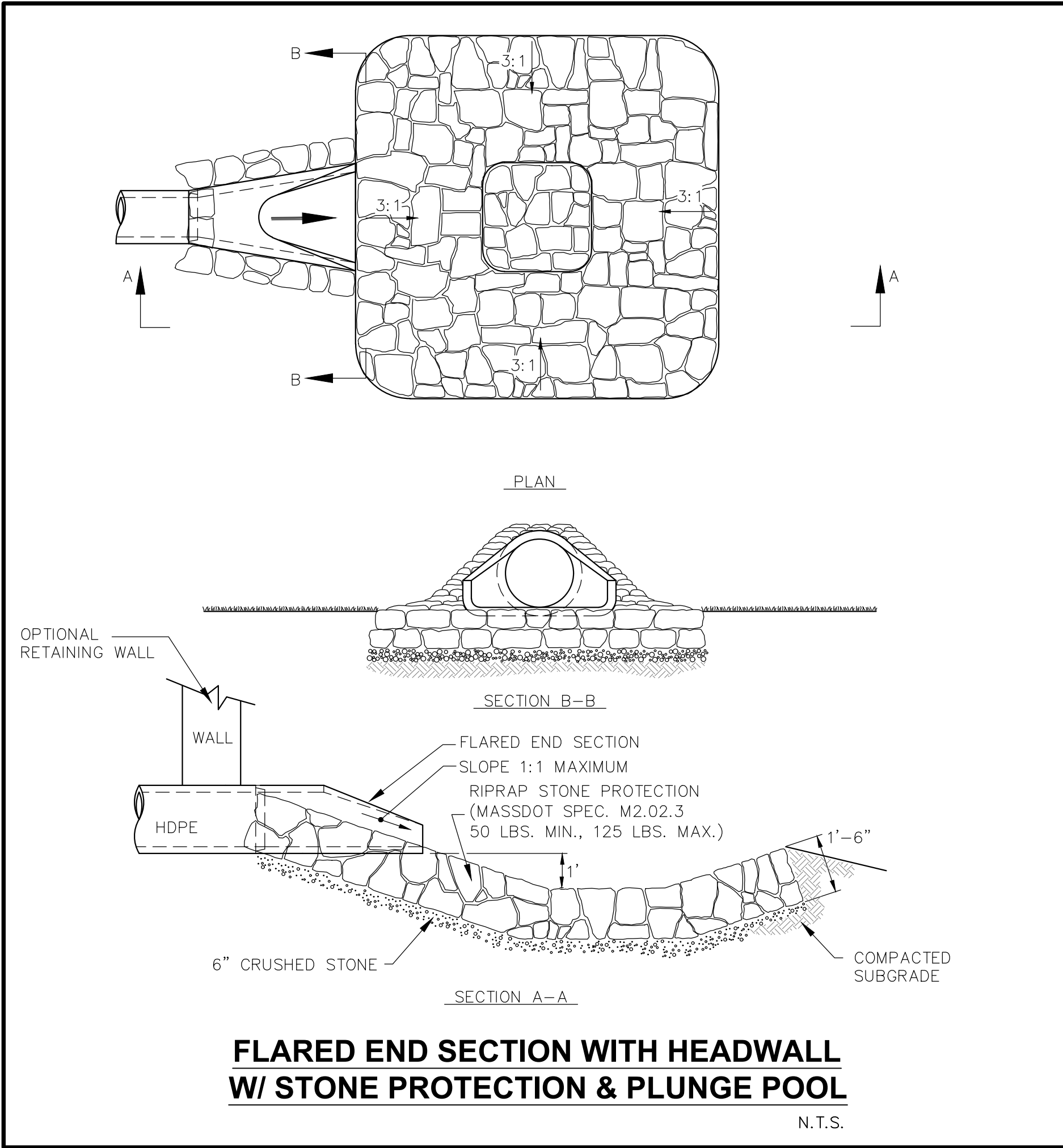
PROJECT:	SHINGLEMILL APARTMENTS 75-79 FOND STREET ROCKLAND, MASSACHUSETTS 02370
PLAN SET:	COMPREHENSIVE PERMIT PLANS

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4 FIRST STREET, BRIDGEWATER, MASSACHUSETTS 02324
PHONE 508-697-3191 OR 800-548-5355; FAX 508-697-5996
WEBSITE: www.coneco.com

DATE	02/14/2022
DESIGNED: MWK	CHECKED: DJD
DRAFTED: MWK	IN CHARGE: DJD
SCALE:	N.T.S.
PROJECT NO.	3395.1
SHEET NO.	

26
OF 32



04/26/2023

NO.	DATE	DESCRIPTION	DR/CK
1	9/23/2022	GRADING & DRAINAGE REDESIGN	D/D/MSD
2	11/21/2022	GRADING & DRAINAGE REDESIGN	D/D/MSD
3	4/26/2023	PER REVIEW COMMENTS	D/D/MSD

PROJECT: SHINGLEMILL, LLC
4 FIRST STREET
BRIDGEWATER, MASSACHUSETTS 02324

PREPARED FOR: SHINGLEMILL APARTMENTS
75-79 FOND STREET
ROCKLAND, MASSACHUSETTS 02370

DRAWING: DETAILS
SHEET 3 OF 8

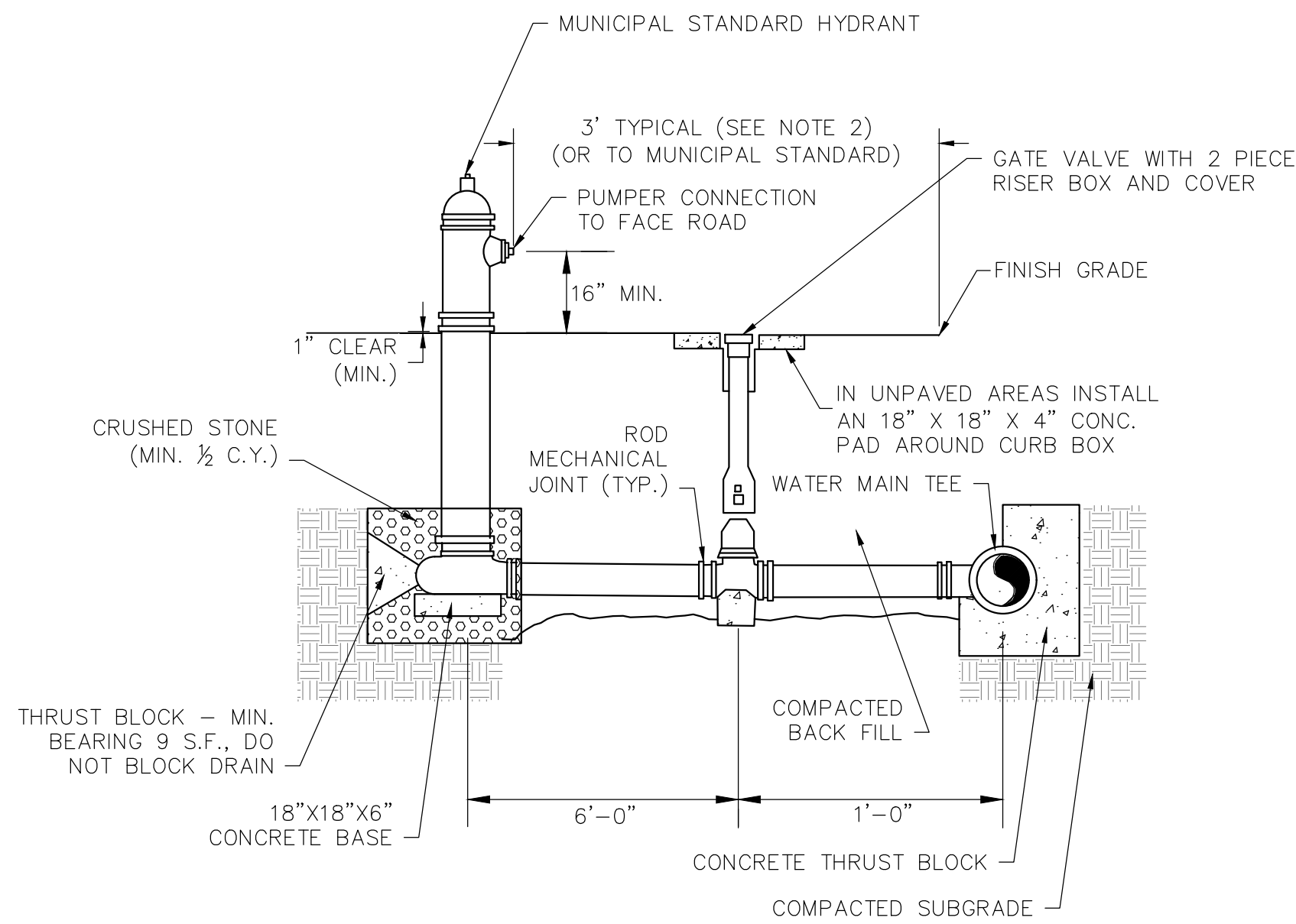
PROJECT: SHINGLEMILL APARTMENTS
75-79 FOND STREET
ROCKLAND, MASSACHUSETTS 02370

PREPARED FOR: SHINGLEMILL APARTMENTS
75-79 FOND STREET
ROCKLAND, MASSACHUSETTS 02370

DRAWING: COMPREHENSIVE PERMIT PLANS

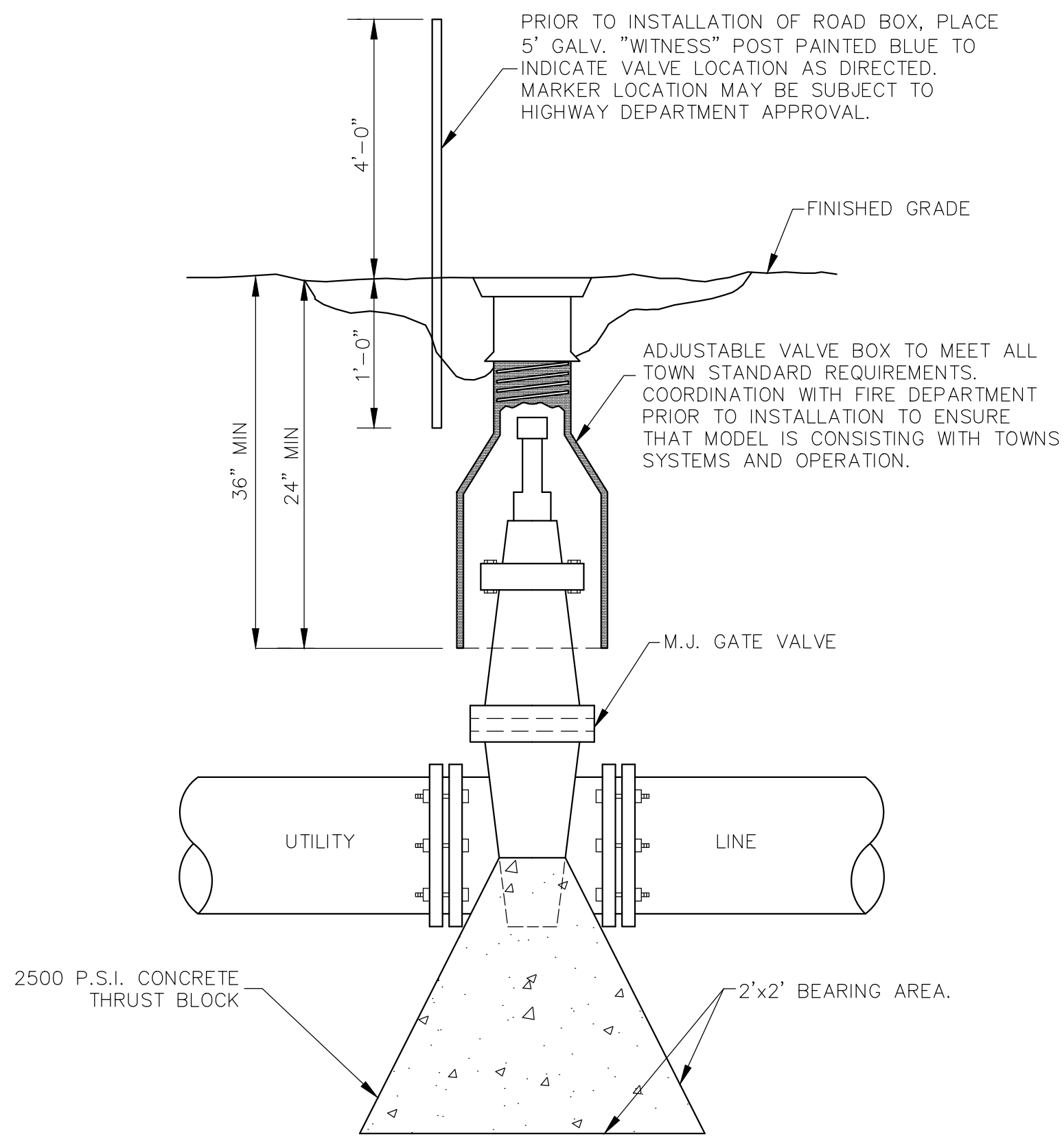
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PHONE 508-897-3191 OR 800-548-3355 FAX 508-697-5996
WEBSITE: www.coneco.com

DATE	02/14/2022
DESIGNED: MWK	CHECKED: DJD
DRAFTED: MWK	IN CHARGE: DJD
SCALE:	N.T.S.
PROJECT NO.	3395.1
SHEET NO.	27



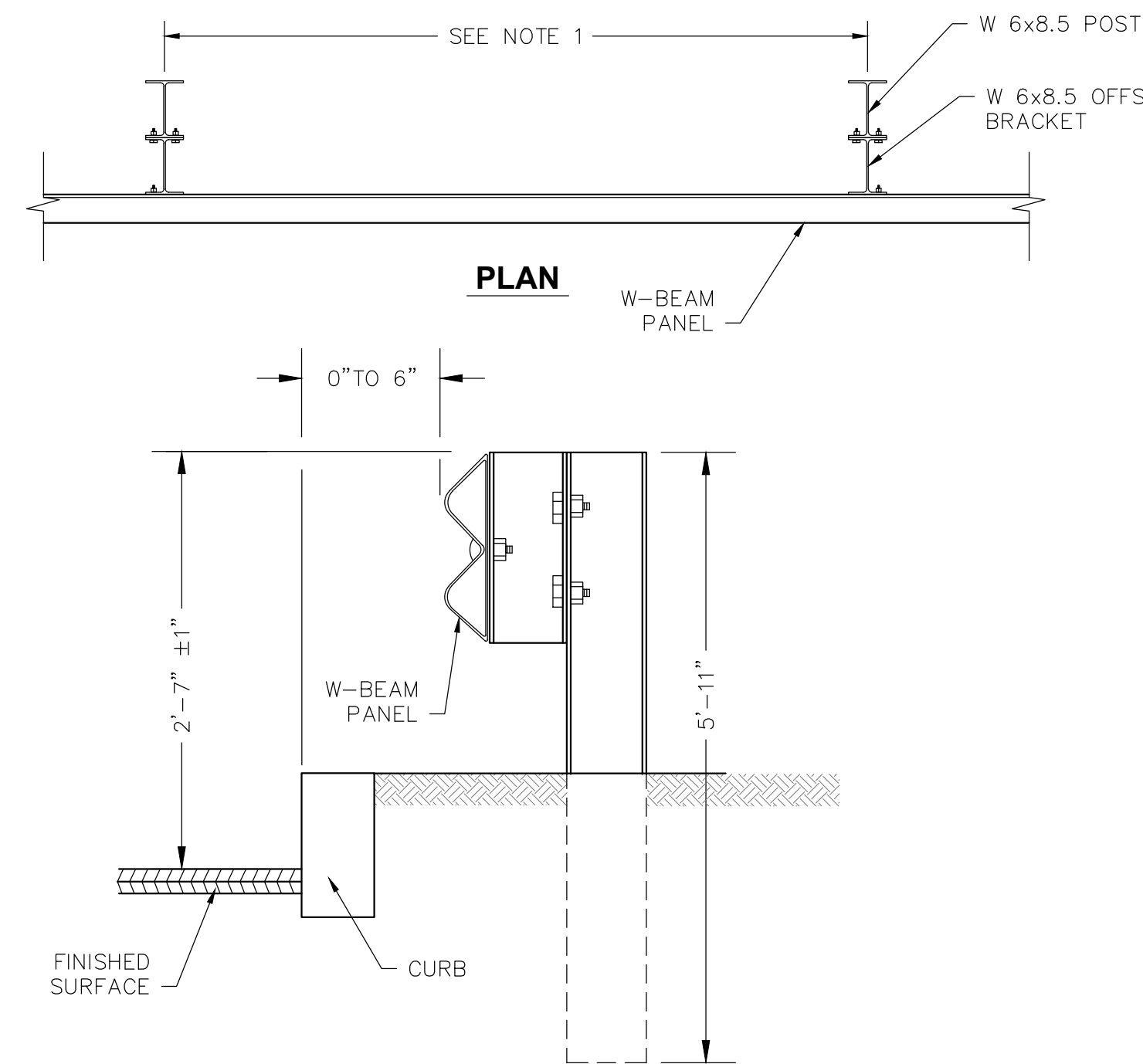
- NOTES:
1. CONCRETE THRUST BLOCKS TO BE USED ONLY WHERE THEY CAN BEAR ON UNDISTURBED EARTH AS SHOWN. USE CLAMPS AND TIE RODS OR OTHER ACCEPTABLE METHOD OF JOINT RESTRAINT.
 2. HYDRANT IN SIDEWALK AREAS TO BE LOCATED TO PROVIDE MINIMUM CLEAR SIDEWALK PASSAGE WIDTH OF 3 FEET AT HYDRANT.
 3. HYDRANT TO MEET ALL MUNICIPALITY WATER DEPARTMENT STANDARD REQUIREMENTS. COORDINATION WITH FIRE DEPARTMENT PRIOR TO INSTALLATION TO ENSURE THAT MODEL IS CONSISTING WITH TOWNS SYSTEMS AND OPERATION.

FIRE HYDRANT INSTALLATION
N.T.S.



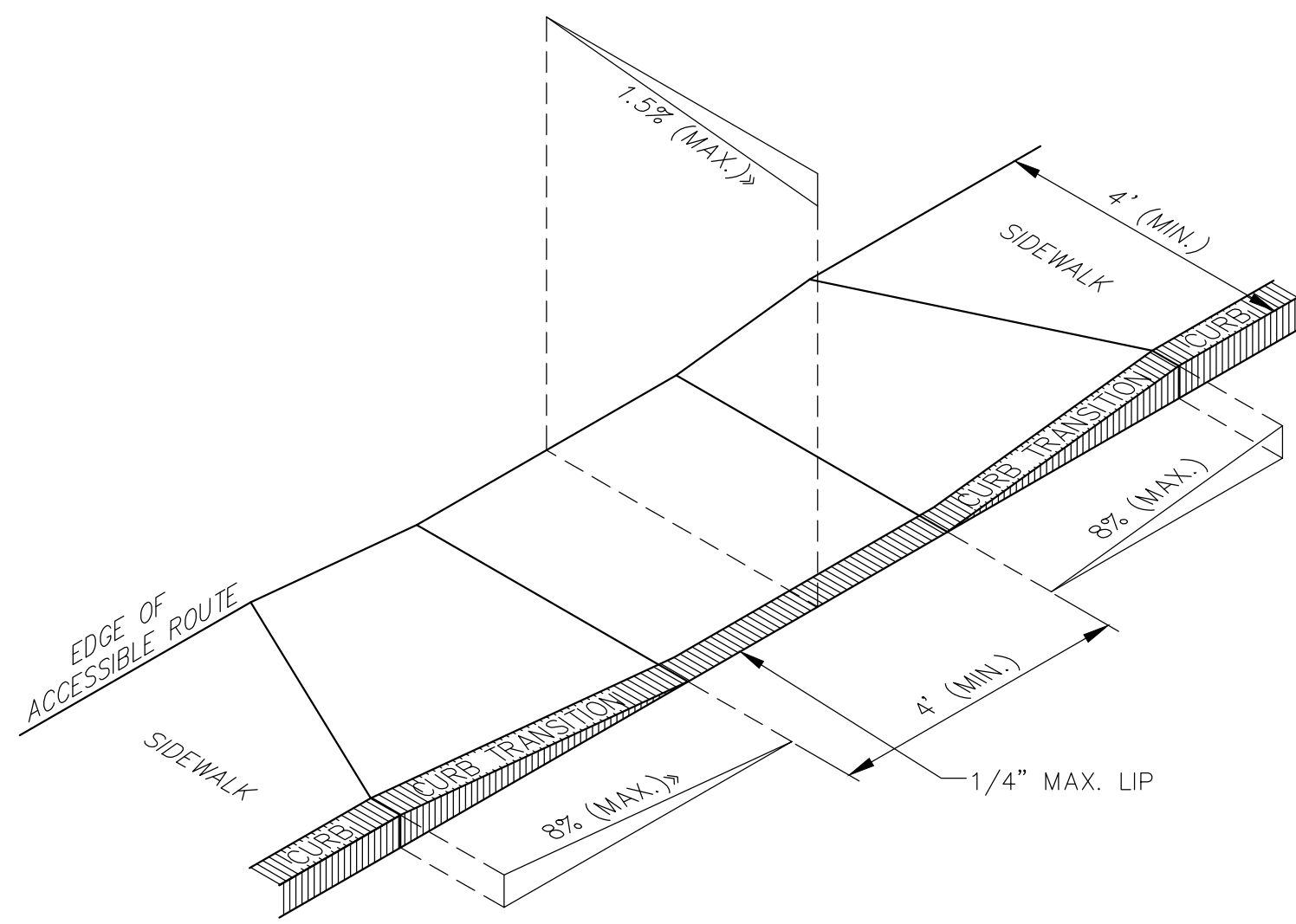
NOTE : IN REMOTE AREAS, VALVE BOXES SHALL EXTEND SIX (6) INCHES ABOVE GRADE.

GATE VALVE
N.T.S.



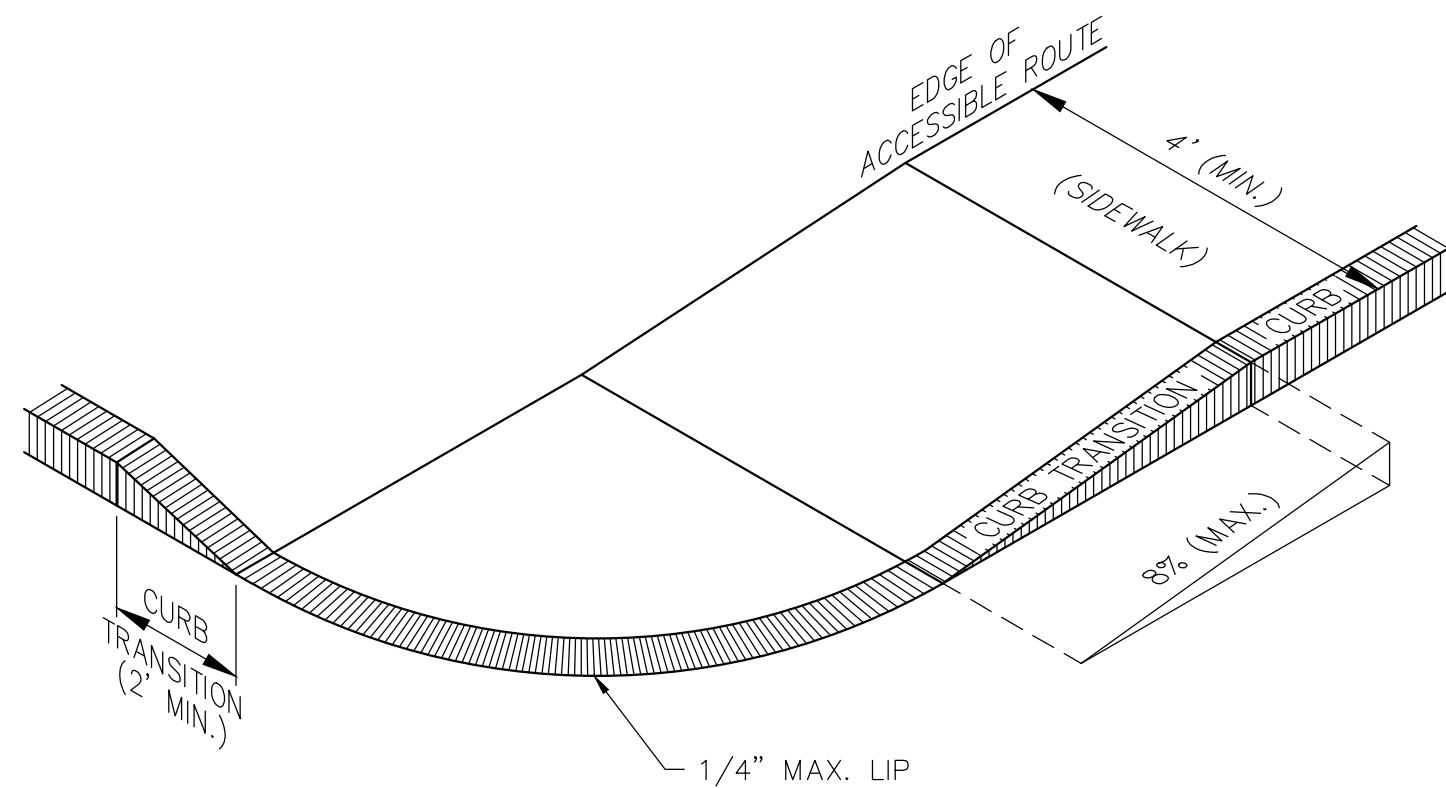
- NOTES:
1. THE DETAIL IS SHOWN FOR ILLUSTRATION PURPOSES AND FINAL GUARDRAIL CONFIGURATION SHOULD BE ADJUSTED TO CONFORM TO THE CONSTRUCTION STANDARDS OF THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION BASED ON ITS LOCATION.

STEEL BEAM GUARDRAIL
N.T.S.



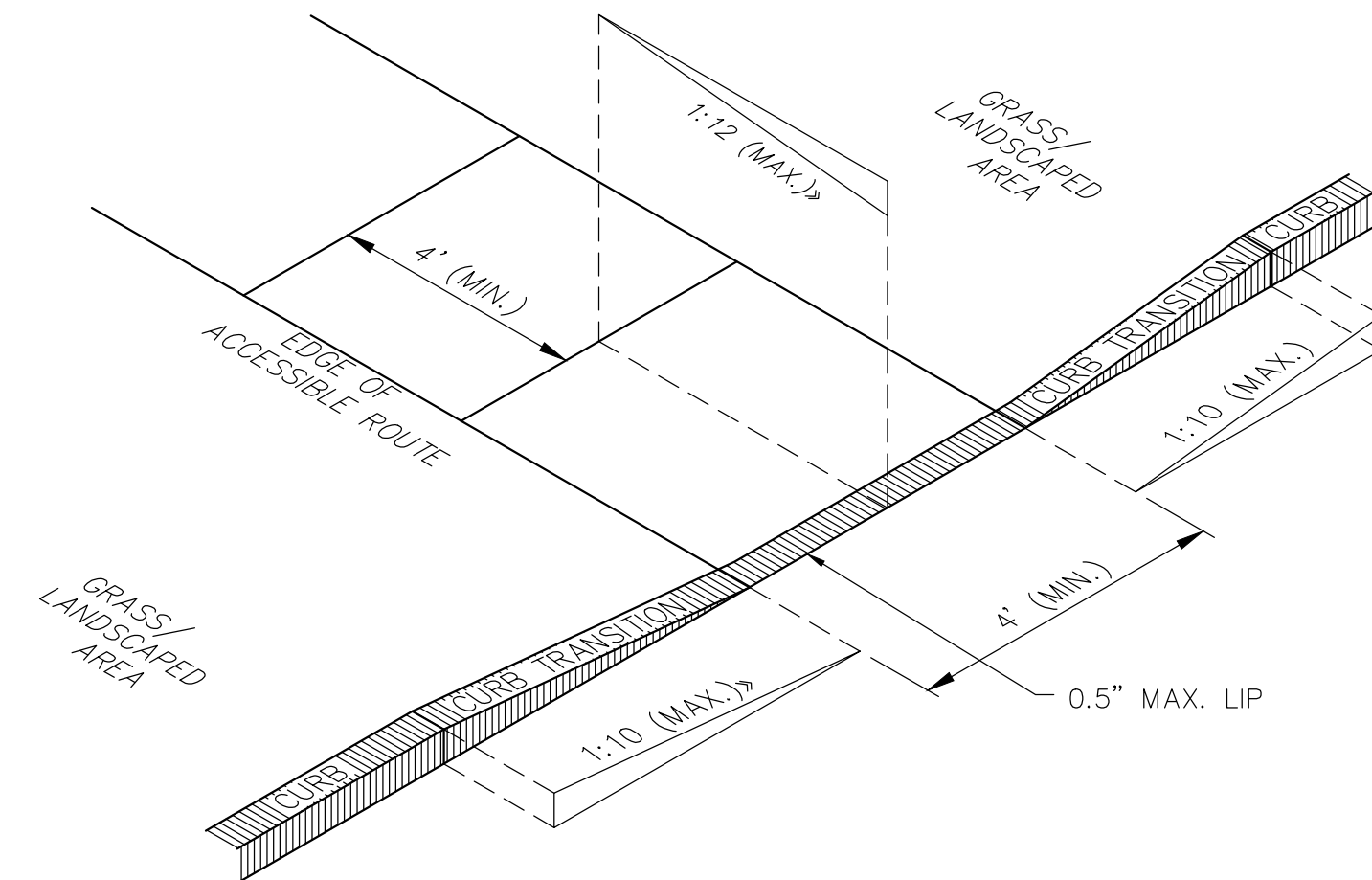
- NOTES:
1. THE MAXIMUM ALLOWABLE ROUTE (SIDEWALK) AND CURB RAMP CROSS SLOPES SHALL BE 1.5%.
 2. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE EXCLUDING CURB RAMP SHALL BE 5%.
 3. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE CURB RAMP SHALL BE 8%.
 4. A MINIMUM OF 3 FEET CLEAR SHALL BE MAINTAINED AT ANY PERMANENT OBSTACLE IN ACCESSIBLE ROUTE (I.E., HYDRANTS, UTILITY POLES, TREE WELLS, SIGNS, ETC.)
 5. CURB TREATMENT VARIES. SEE PLANS FOR CURB TYPE.
 6. BASE OF RAMP SHALL BE GRADED TO PREVENT PONDING.
 7. SEE TYPICAL SIDEWALK SECTION FOR RAMP CONSTRUCTION.
 8. ALL WHEELCHAIR RAMPS SHALL BE EQUIPPED WITH TRUNCATED DOME DETECTABLE WARNING SURFACE.

ACCESSIBLE CURB RAMP - TYPE 'A'
N.T.S.



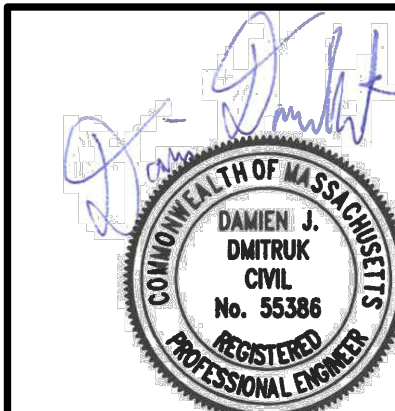
- NOTES:
1. THE MAXIMUM ALLOWABLE ROUTE (SIDEWALK) AND CURB RAMP CROSS SLOPES SHALL BE 1.5%.
 2. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE EXCLUDING CURB RAMP SHALL BE 5%.
 3. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE CURB RAMP SHALL BE 8%.
 4. A MINIMUM OF 3 FEET CLEAR SHALL BE MAINTAINED AT ANY PERMANENT OBSTACLE IN ACCESSIBLE ROUTE (I.E., HYDRANTS, UTILITY POLES, TREE WELLS, SIGNS, ETC.)
 5. CURB TREATMENT VARIES. SEE PLANS FOR CURB TYPE.
 6. BASE OF RAMP SHALL BE GRADED TO PREVENT PONDING.
 7. SEE TYPICAL SIDEWALK SECTION FOR RAMP CONSTRUCTION.
 8. ALL WHEELCHAIR RAMPS SHALL BE EQUIPPED WITH TRUNCATED DOME DETECTABLE WARNING SURFACE.

ACCESSIBLE CURB RAMP - TYPE 'B'
N.T.S.



- NOTES:
1. THE MAXIMUM ALLOWABLE ROUTE (SIDEWALK) AND CURB RAMP CROSS SLOPES SHALL BE 1.5%.
 2. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE EXCLUDING CURB RAMP SHALL BE 5%.
 3. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE CURB RAMP SHALL BE 1:12.
 4. A MINIMUM OF 4 FEET CLEAR SHALL BE MAINTAINED AT ANY PERMANENT OBSTACLE IN ACCESSIBLE ROUTE (I.E., HYDRANTS, UTILITY POLES, TREE WELLS, SIGNS, ETC.)
 5. CURB TREATMENT VARIES. SEE PLANS FOR CURB TYPE.
 6. BASE OF RAMP SHALL BE GRADED TO PREVENT PONDING.
 7. SEE TYPICAL SIDEWALK SECTION FOR RAMP CONSTRUCTION.
 8. ALL WHEELCHAIR RAMPS SHALL BE EQUIPPED WITH TRUNCATED DOME DETECTABLE WARNING SURFACE.

ACCESSIBLE CURB RAMP - TYPE 'C'
N.T.S.



04/26/2023

NO.	DATE	DESCRIPTION	DR/CK
1	9/23/2022	GRADING & DRAINAGE REDESIGN	D/D/MSD
2	11/21/2022	GRADING & DRAINAGE REDESIGN	D/D/MSD
3	4/26/2023	PER REVIEW COMMENTS	D/D/BNH

SHINGLEMILL, LLC
4 FIRST STREET
BRIDGEWATER, MASSACHUSETTS 02324

DETAILS
SHEET 4 OF 8

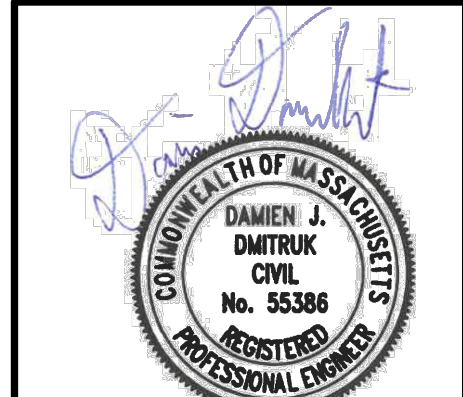
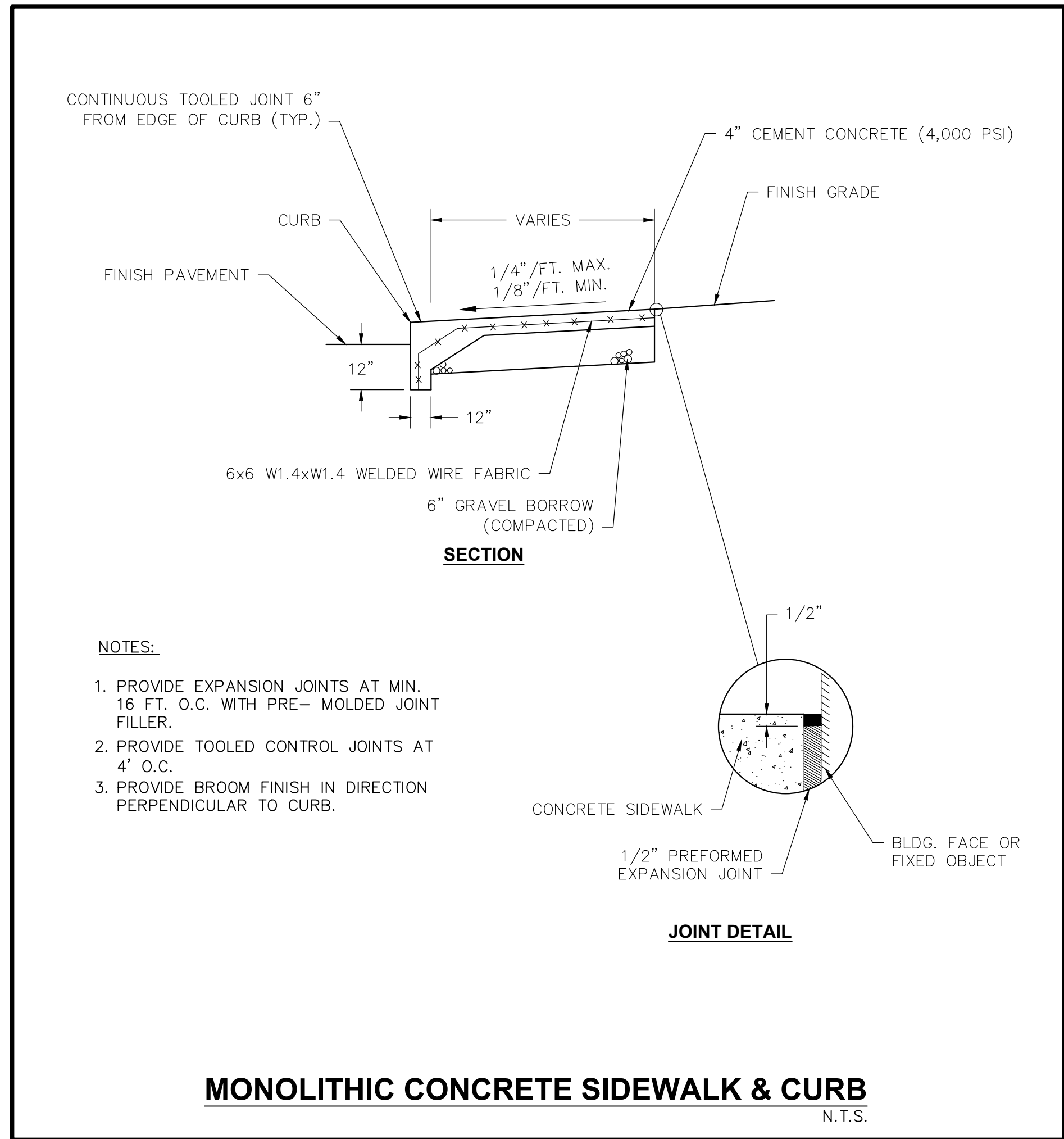
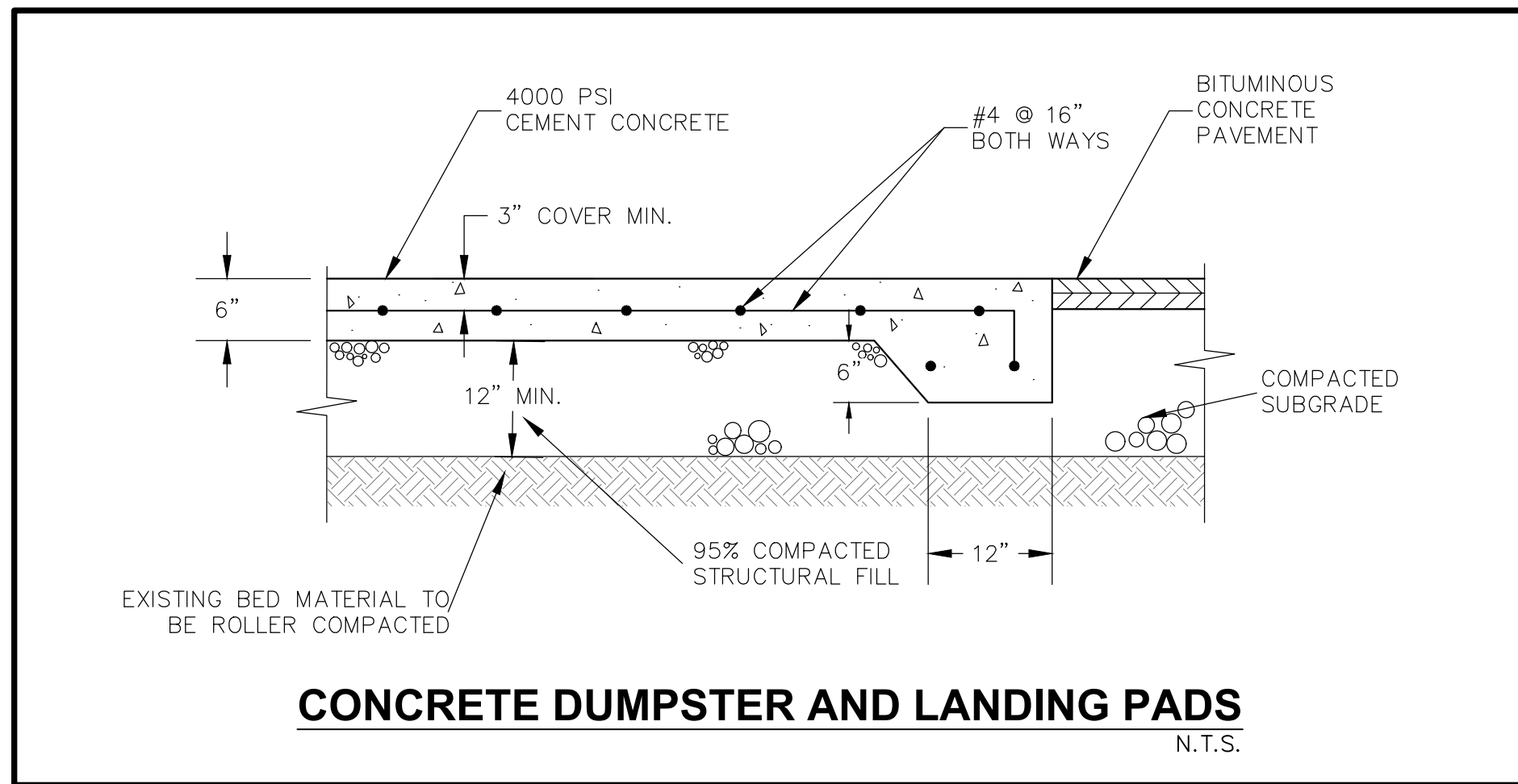
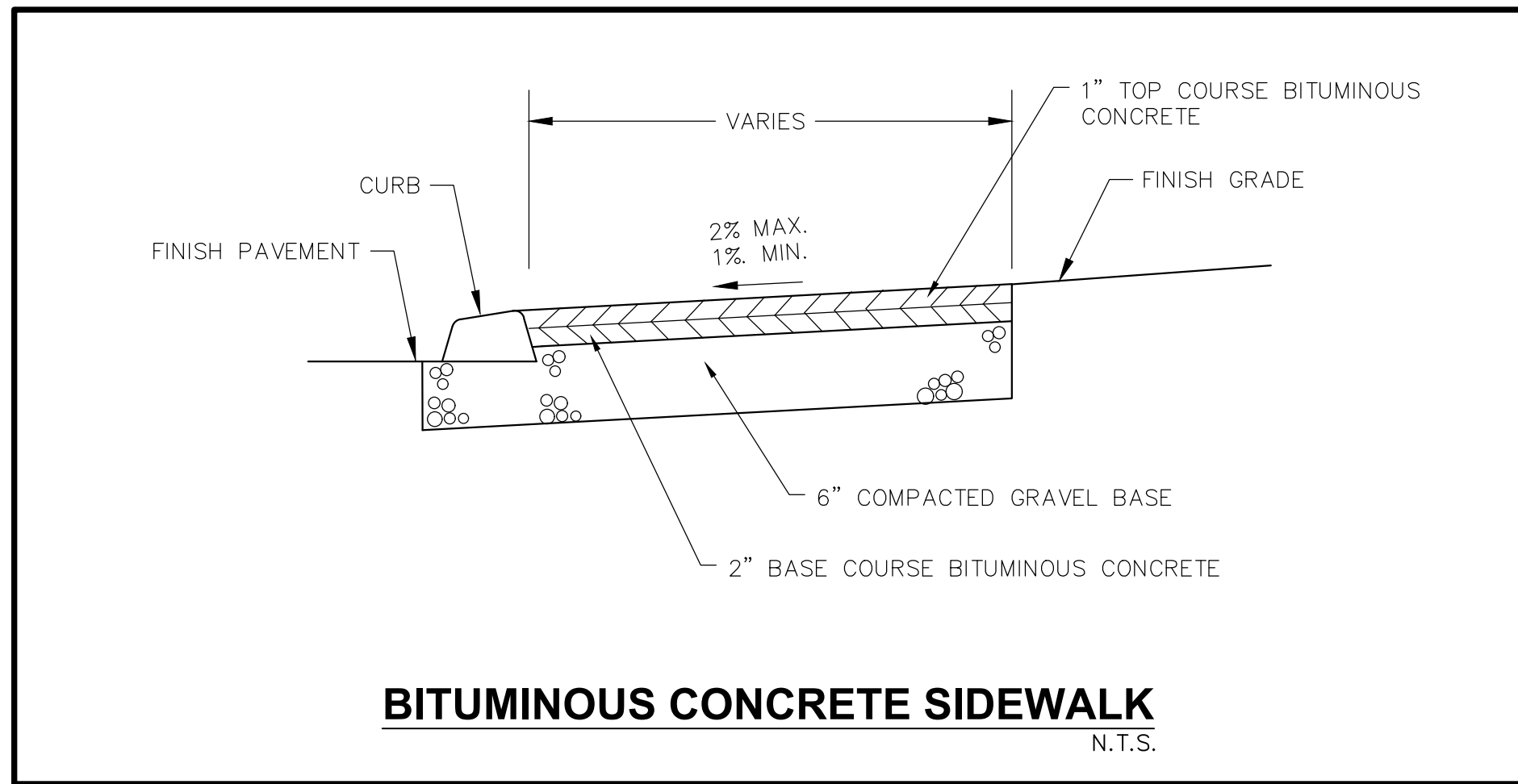
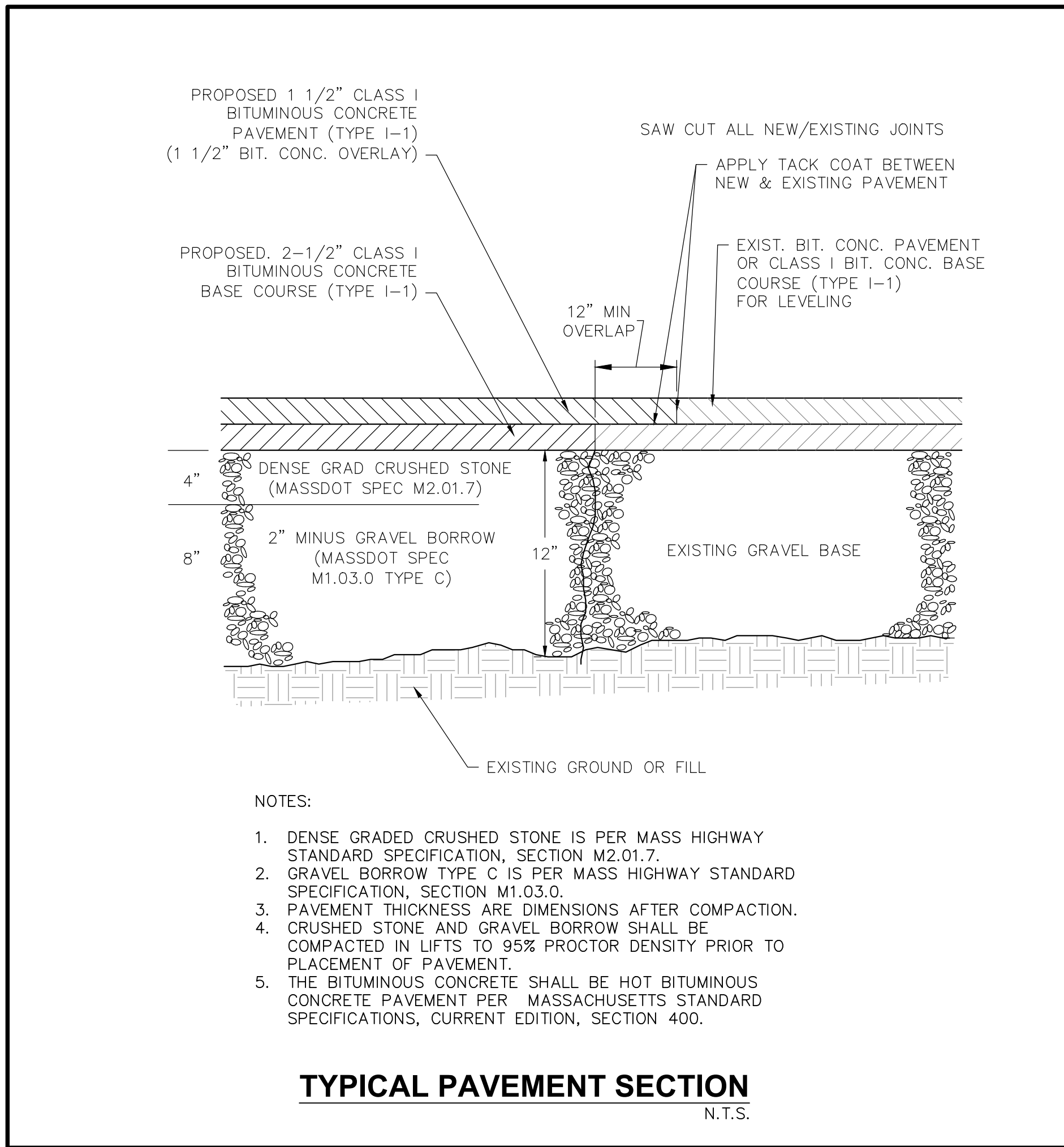
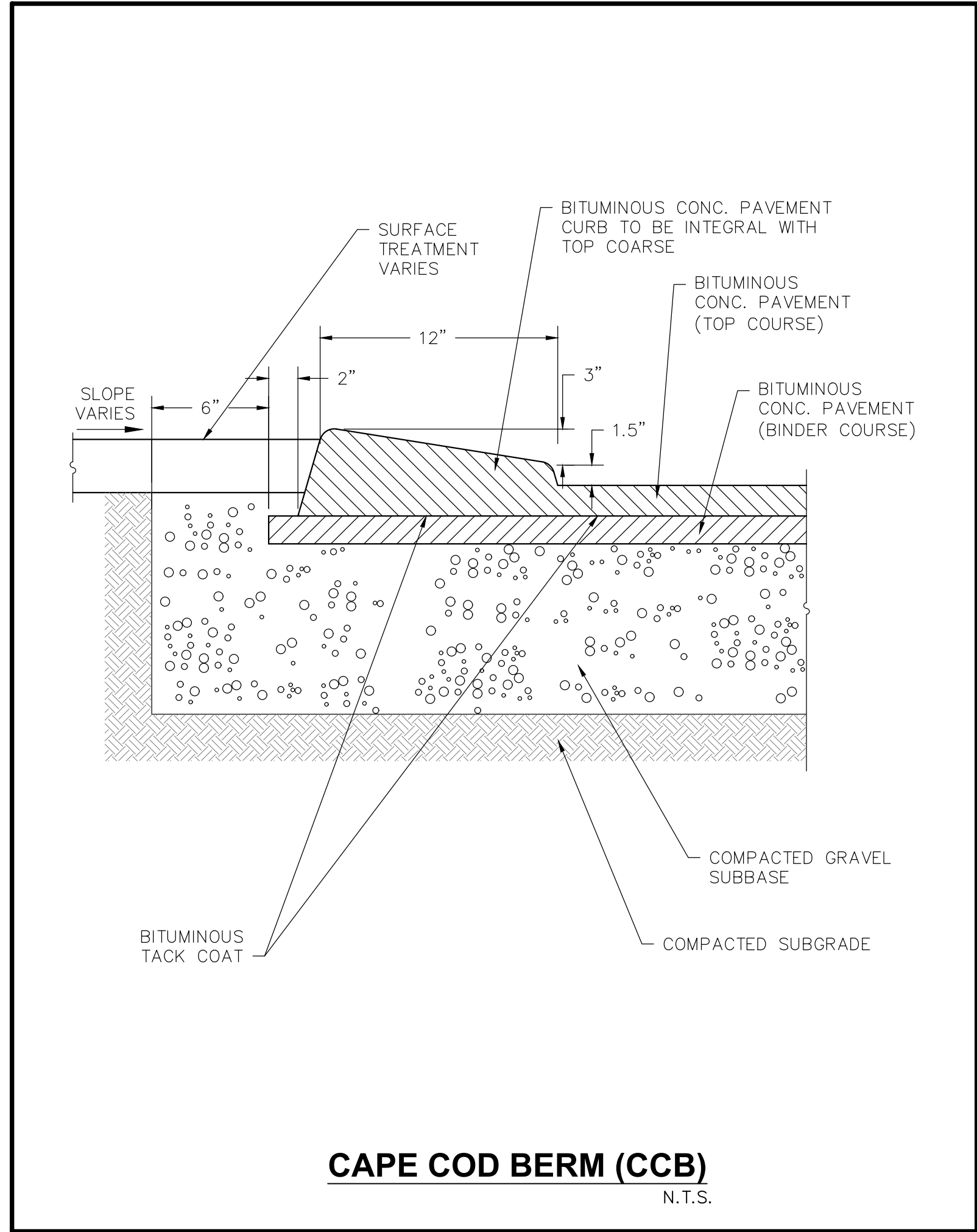
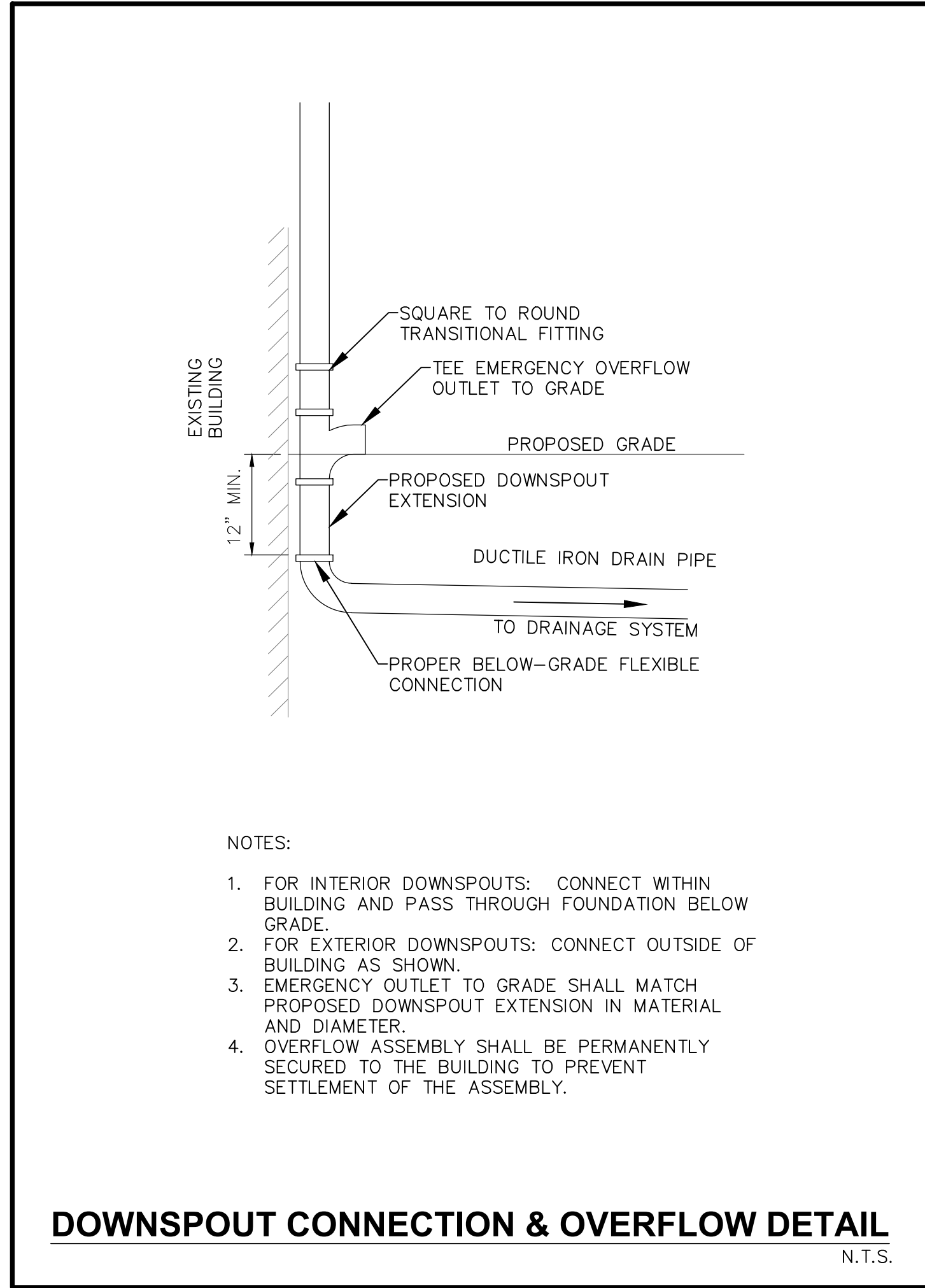
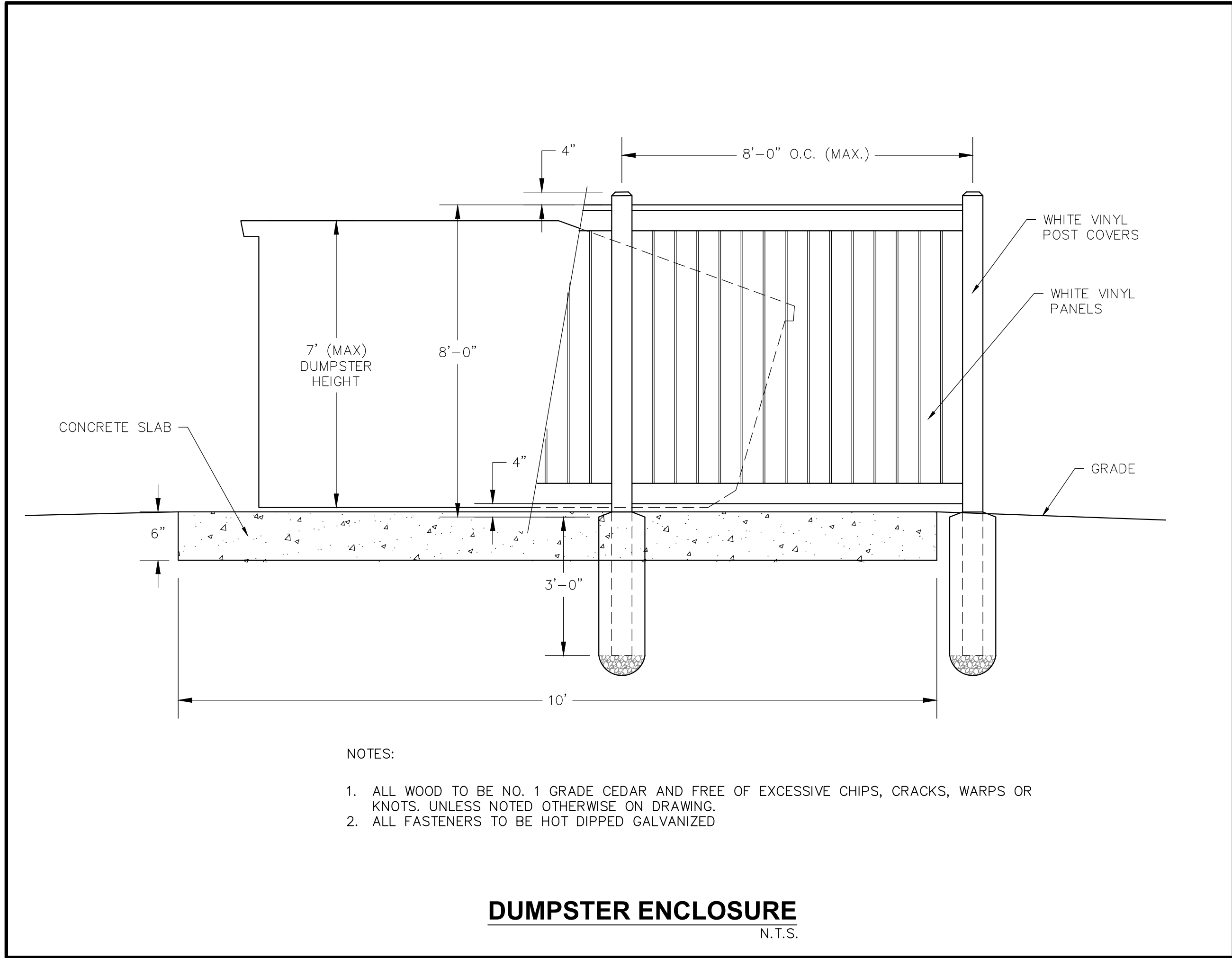
SHINGLEMILL APARTMENTS
75-79 FOND STREET
ROCKLAND, MASSACHUSETTS 02370

COMPREHENSIVE PERMIT PLANS



DATE	02/14/2022
DESIGNED: MWK	CHECKED: DJD
DRAFTED: MWK	IN CHARGE: DJD
SCALE:	N.T.S.
PROJECT NO.	3395.1
SHEET NO.	28

28
OF 32



REVISIONS			
NO.	DATE	DESCRIPTION	DR/CK
1	9/23/2022	GRADING & DRAINAGE REDESIGN	D/D/MSD
2	11/21/2022	GRADING & DRAINAGE REDESIGN	D/D/MSD
3	4/26/2023	PER REVIEW COMMENTS	D/D/BTW

SHINGLEMILL, LLC 4 FIRST STREET BRIDGEWATER, MASSACHUSETTS 02324	DETAILS SHEET 5 OF 8
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SHINGLEMILL APARTMENTS 75-79 FOND STREET ROCKLAND, MASSACHUSETTS 02370	COMPREHENSIVE PERMIT PLANS
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PHONE 508-697-3191 OR 800-548-3355; FAX 508-697-5996
WEBSITE: www.coneco.com

DATE	02/14/2022
DESIGNED: MWK	CHECKED: DJD
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SCALE:	N.T.S.
PROJECT NO.	3395.1
SHEET NO.	



Technical drawing showing a cross-section of a curb and gutter assembly. The drawing includes the following dimensions and labels:

- TOP OF REINFORCING BAR FLUSH WITH TOP OF CONCRETE
- 6" (MIN.)
- 1"
- 1"
- 6'-0"
- 7/8" DIA. HOLE
- 1"
- 5" (MIN.)
- 5 5/8" (MIN.)
- 3/4" REINFORCING BAR EMBEDDED 18" INTO SUBGRADE
- 2 #4 BARS (CONTINUOUS)

Technical drawing of a wheelchair symbol showing dimensions for a standard-sized person. The drawing includes the following dimensions:

- 4" RADIUS (top right corner)
- 4" (width of the top horizontal bar)
- 10" (height of the top horizontal bar)
- 1'-0" (width of the seat)
- 8" (width of the footrest)
- 2'-0" (height of the seat)
- 3" MIN. (width of the base)
- 2" MIN. (width of the base)
- 2'-0" R (radius of the rear wheel)
- 1'-0" (width of the base)
- 1'-0" (width of the base)
- 4" (width of the base)

NOTES:

1. SYMBOL SHALL BE CENTERED IN THE PARKING STALL.

APPROVED SHEET METAL TRAFFIC SIGN FACE

1 1/2" GALVANIZED SIGN SUPPORT

7'-0"

TWO PIECE BREAKAWAY POST

PATCH, REPAIR AND REPLACE EXISTING PAVING AND BLEND TO MATCH EXISTING OR REPAIR ANY DISTURBED AREAS OF LOAM & SEED/SOD OR LANDSCAPING

6" COMPACT GRAVEL

CONCRETE FILLED BASE

NOTES:

1. ACCESSIBLE SIGN SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY, PER THE ADA STANDARDS OF ACCESSIBLE DESIGN, SECTION 703.7.2.1.
2. VAN ACCESSIBLE SIGN SHALL BE MOUNTED ON THE POST WHERE VAN ACCESSIBLE PARKING SPACES ARE PROVIDED.

 COMMONWEALTH OF MASSACHUSETTS
 DAMIEN J. DMITRUK
 CIVIL
 No. 55386
 REGISTERED
 PROFESSIONAL ENGINEER

NO.		DATE	DESCRIPTION	DR/CK
1	9/23/2022	GRADING & DRAINAGE REDESIGN	D/D/MSD	
2	11/21/2022	GRADING & DRAINAGE REDESIGN	D/D/MSD	
3	4/26/2023	PIER REVIEW COMMENTS	D/D/RM	

SHINGLEMILL, LLC
4 FIRST STREET
BRIDGEWATER, MASSACHUSETTS 02324

DETAILS
SHEET 6 OF 8

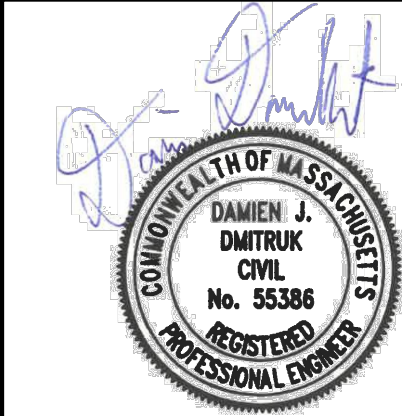
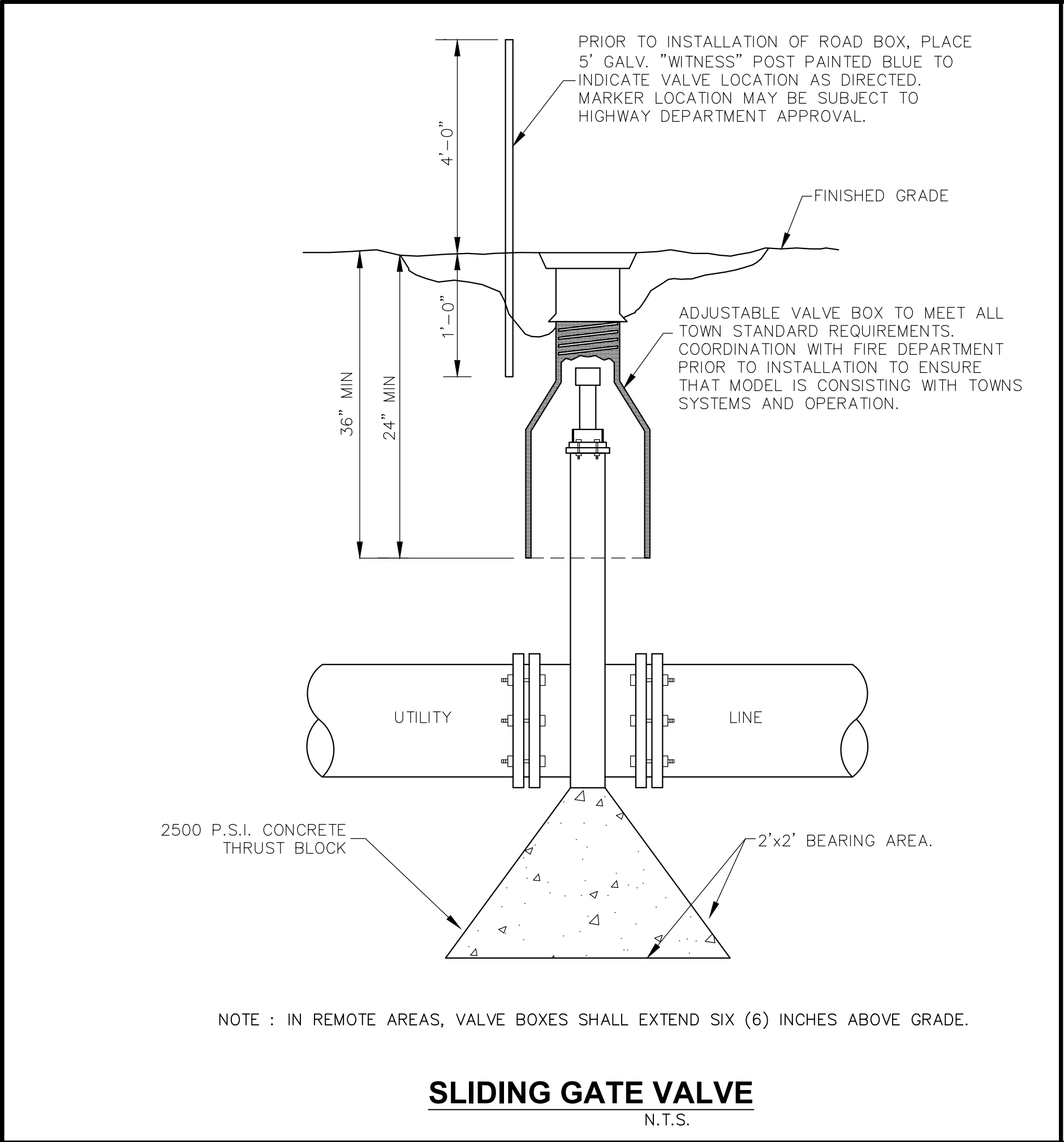
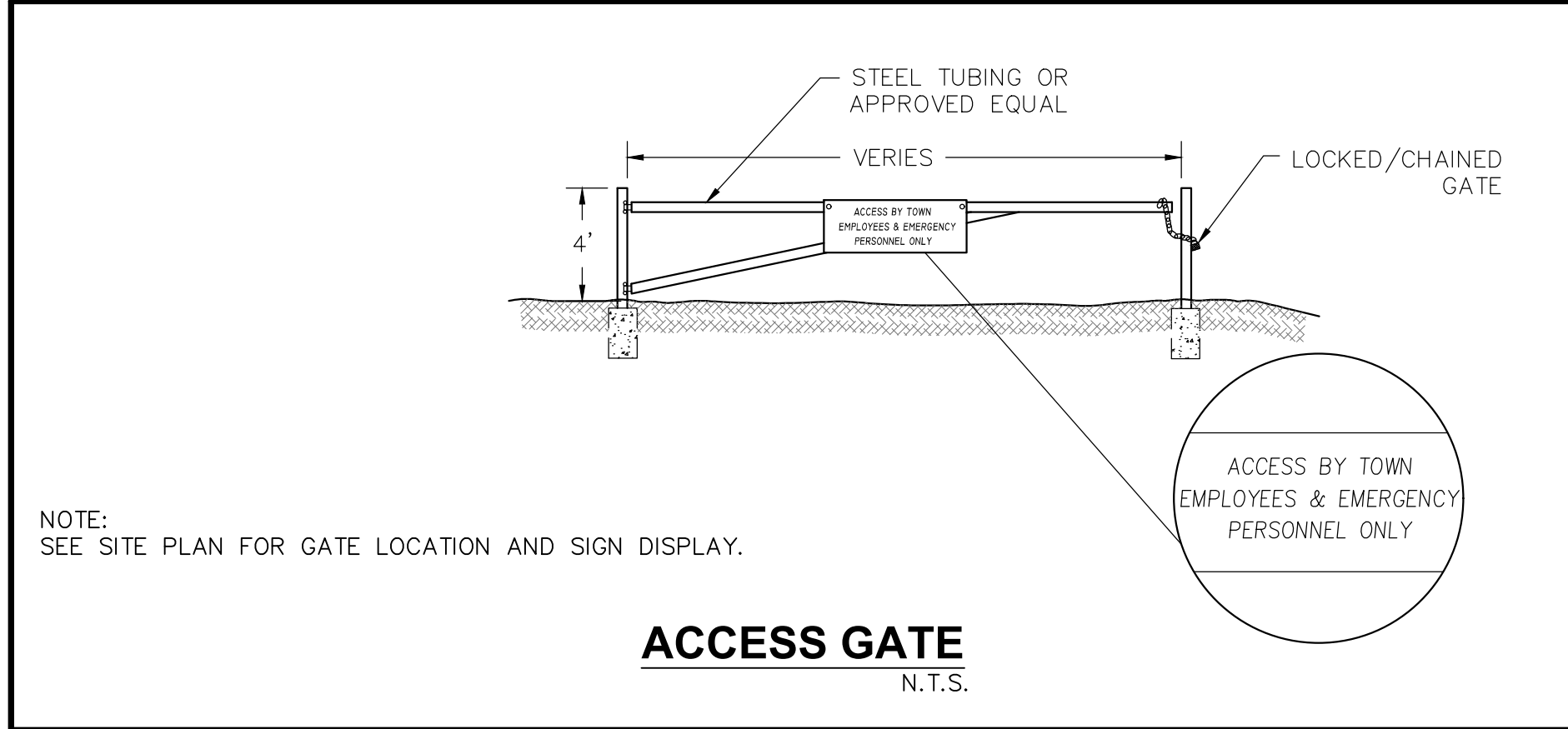
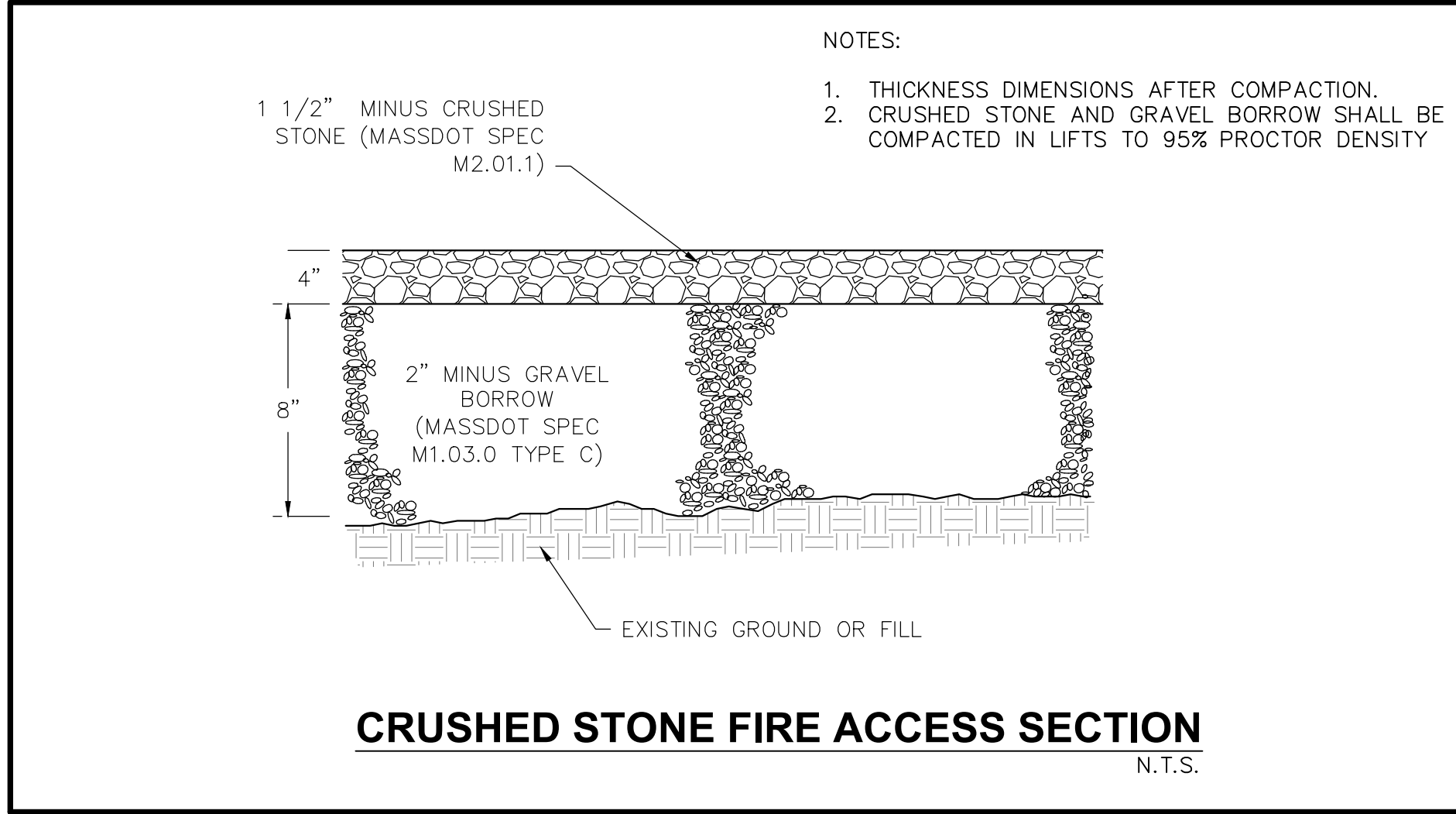
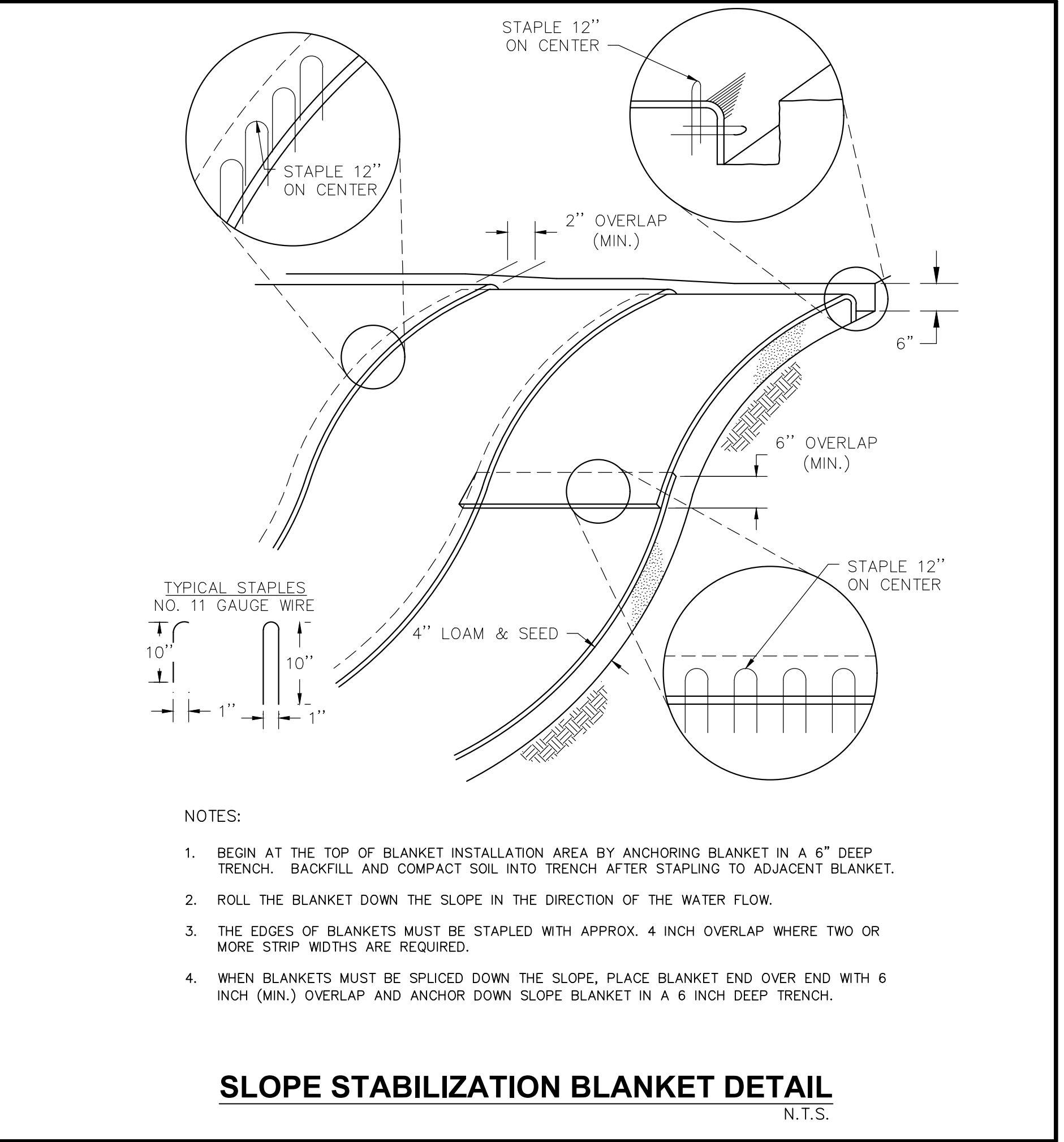
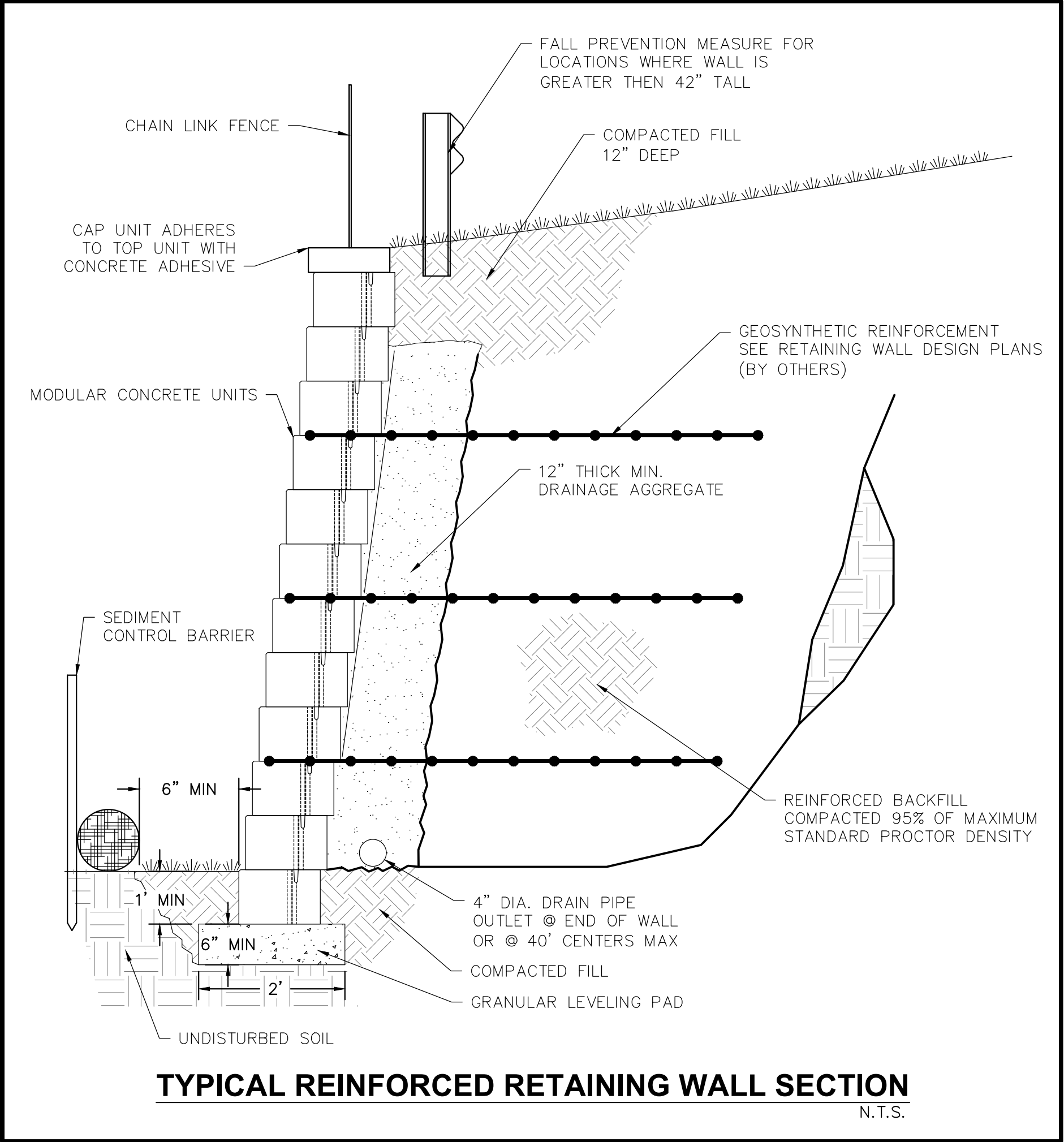
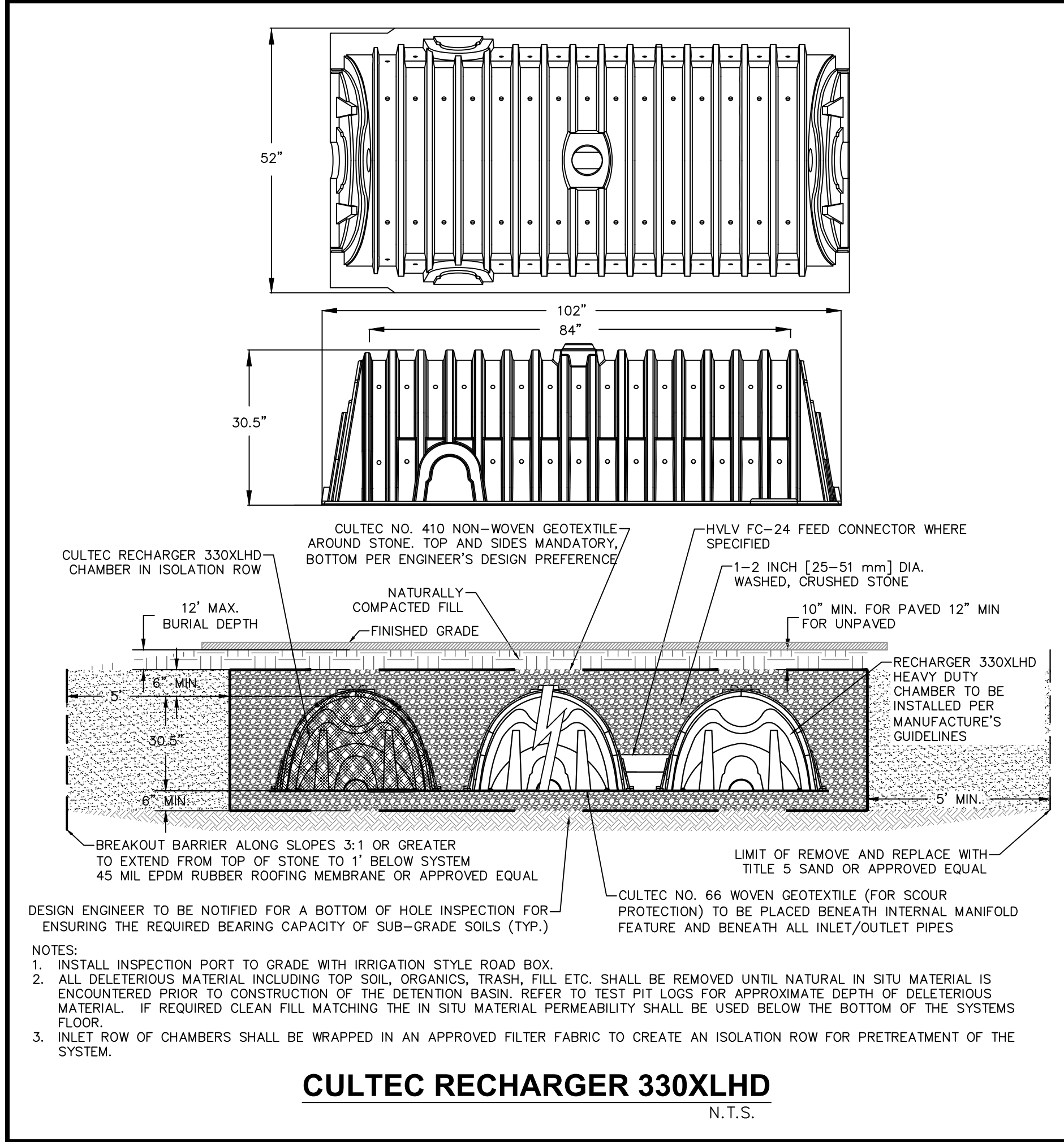
SHINGLEMILL APARTMENTS
75-79 POND STREET
ROCKLAND, MASSACHUSETTS 02370

COMPREHENSIVE PERMIT PLANS

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Engineers & Scientists

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PHONE 508-687-3191 OR 800-448-3355; FAX 508-687-5986
WEBSITE: www.conecoc.com

DATE		02/14/2022	
DESIGNED: MVK	CHECKED: DJD		
DRAFTED: MVK	IN CHARGE: DJD		
SCALE:		N.T.S.	
PROJECT NO.		3395.1	
SHEET NO.			



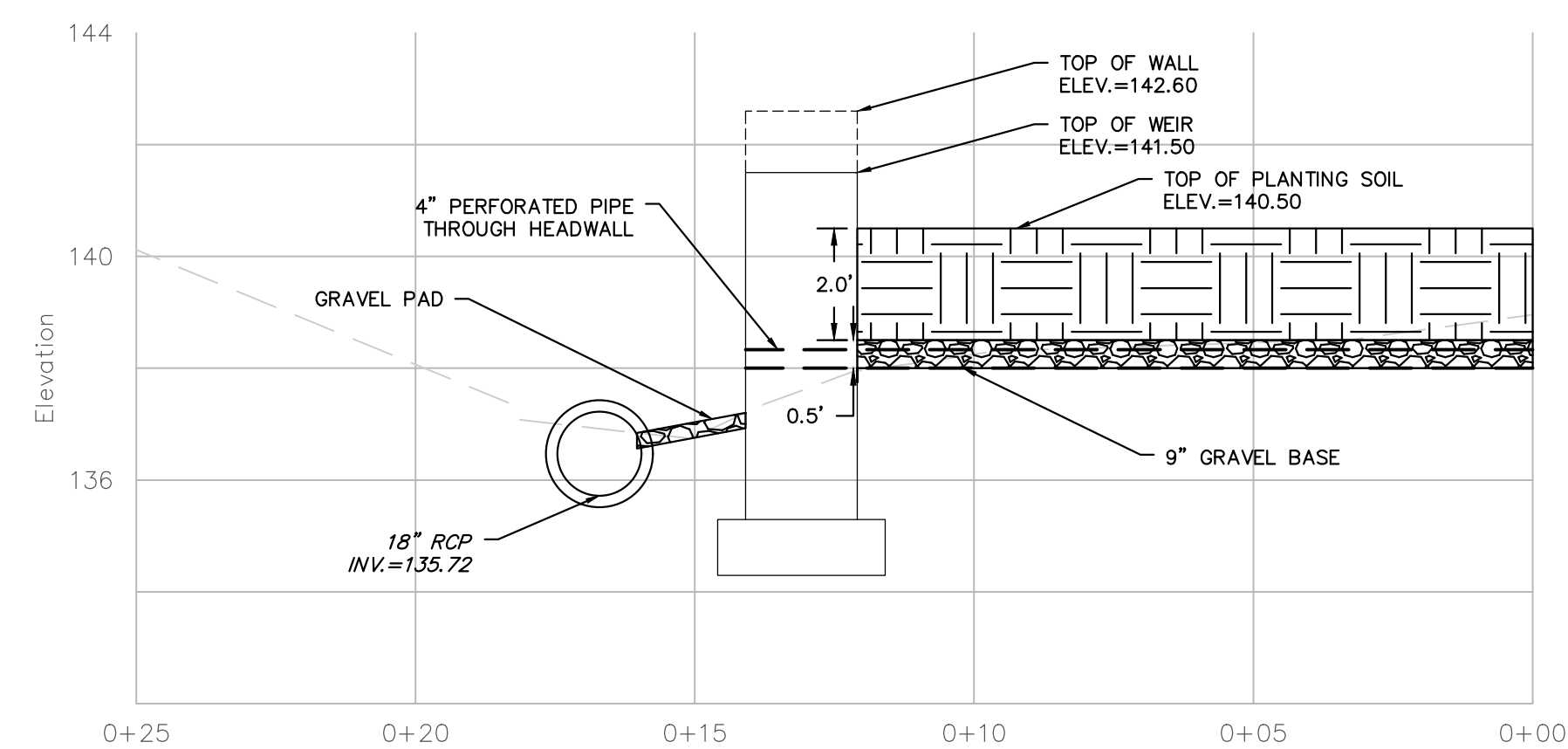
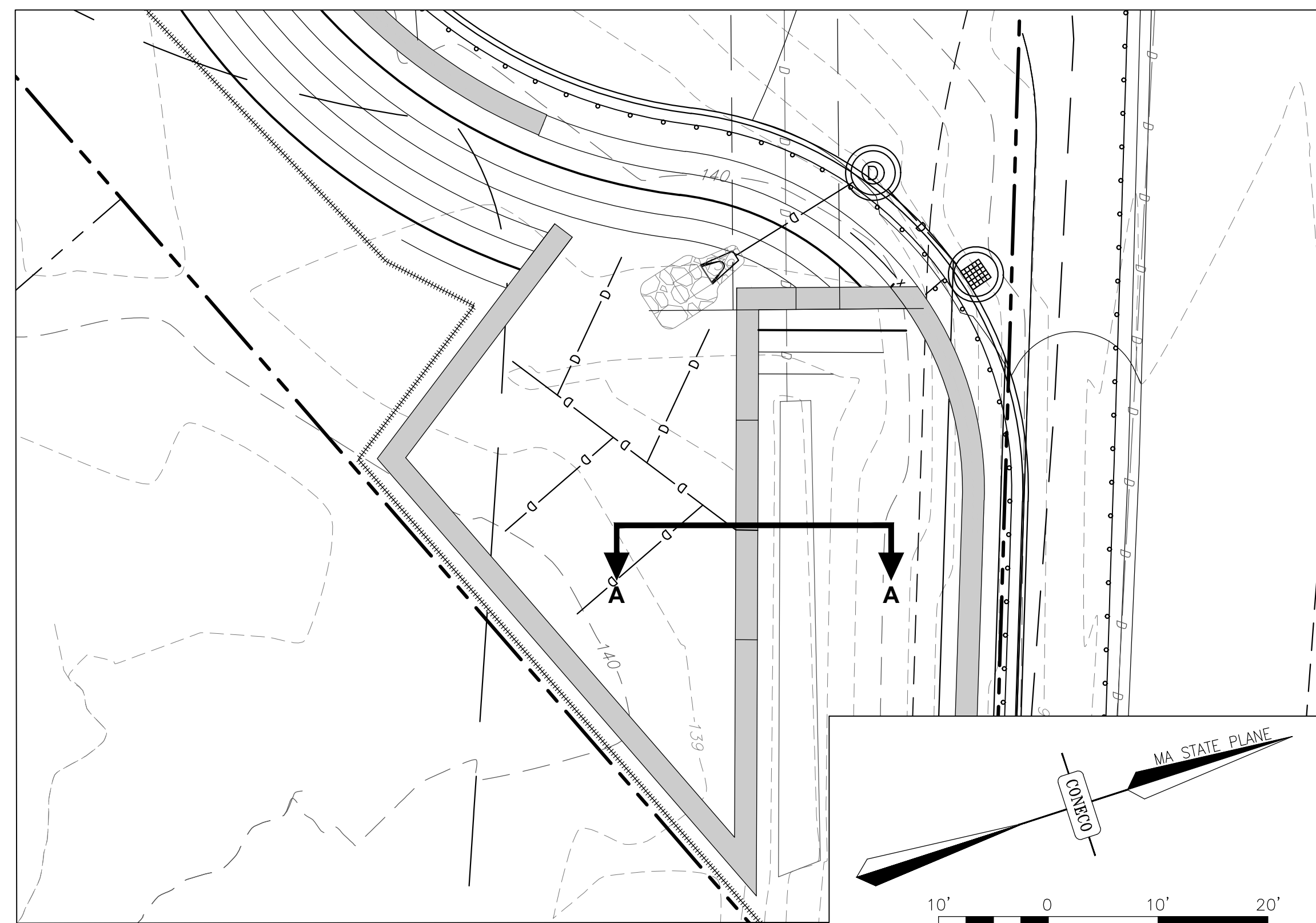
REVISIONS			
NO.	DATE	DESCRIPTION	DR/CK
1	9/23/2022	GRADING & DRAINAGE REDESIGN	DJD/MSD
2	11/21/2022	GRADING & DRAINAGE REDESIGN	DJD/MSD
3	4/26/2023	PER REVIEW COMMENTS	

SHINGLEMILL, LLC 4 FIRST STREET BRIDGEWATER, MASSACHUSETTS 02324	DETAILS SHEET 7 OF 8
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SHINGLEMILL APARTMENTS 75-79 FOND STREET ROCKLAND, MASSACHUSETTS 02370	COMPREHENSIVE PERMIT PLANS
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CONECO
Engineers & Scientists
4 FIRST STREET, BRIDGEWATER, MASSACHUSETTS 02324
PHONE 508-597-3191 OR 800-548-1355; FAX 508-697-5996
WEBSITE: www.coneco.com

DATE	02/14/2022
DESIGNED: MWK	CHECKED: DJD
DRAFTED: MWK	IN CHARGE: DJD
SCALE:	N.T.S.
PROJECT NO.	3395.1
SHEET NO.	31



SECTION VIEW
VERT. SCALE: 1"=3', HORIZ. SCALE: 1"=3'

BIORETENTION GARDEN DETAIL

