

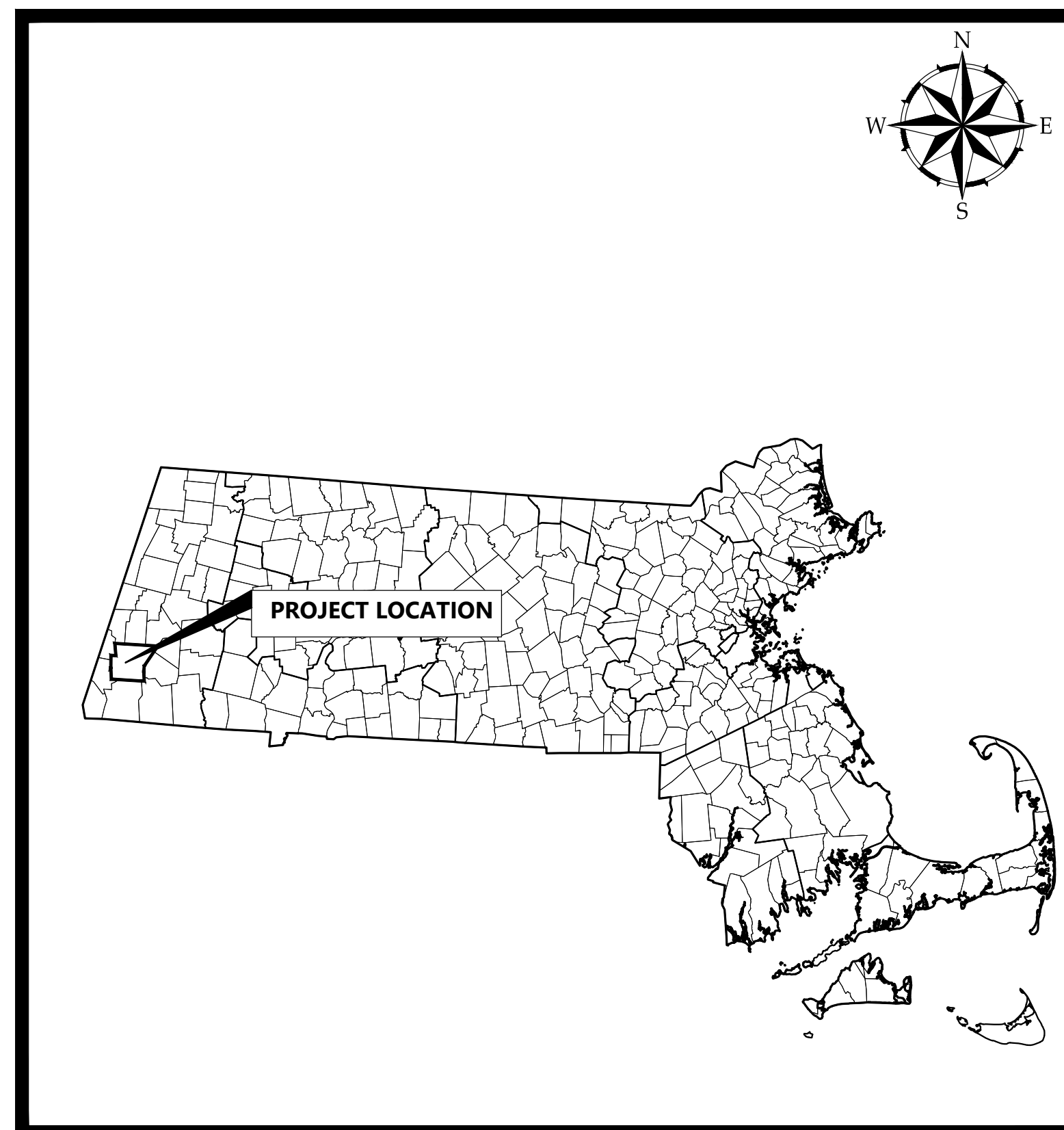
# TOWN OF GREAT BARRINGTON

# GREAT BARRINGTON, MASSACHUSETTS

## LAKE MANSFIELD ROAD & PARKING AREA IMPROVEMENTS

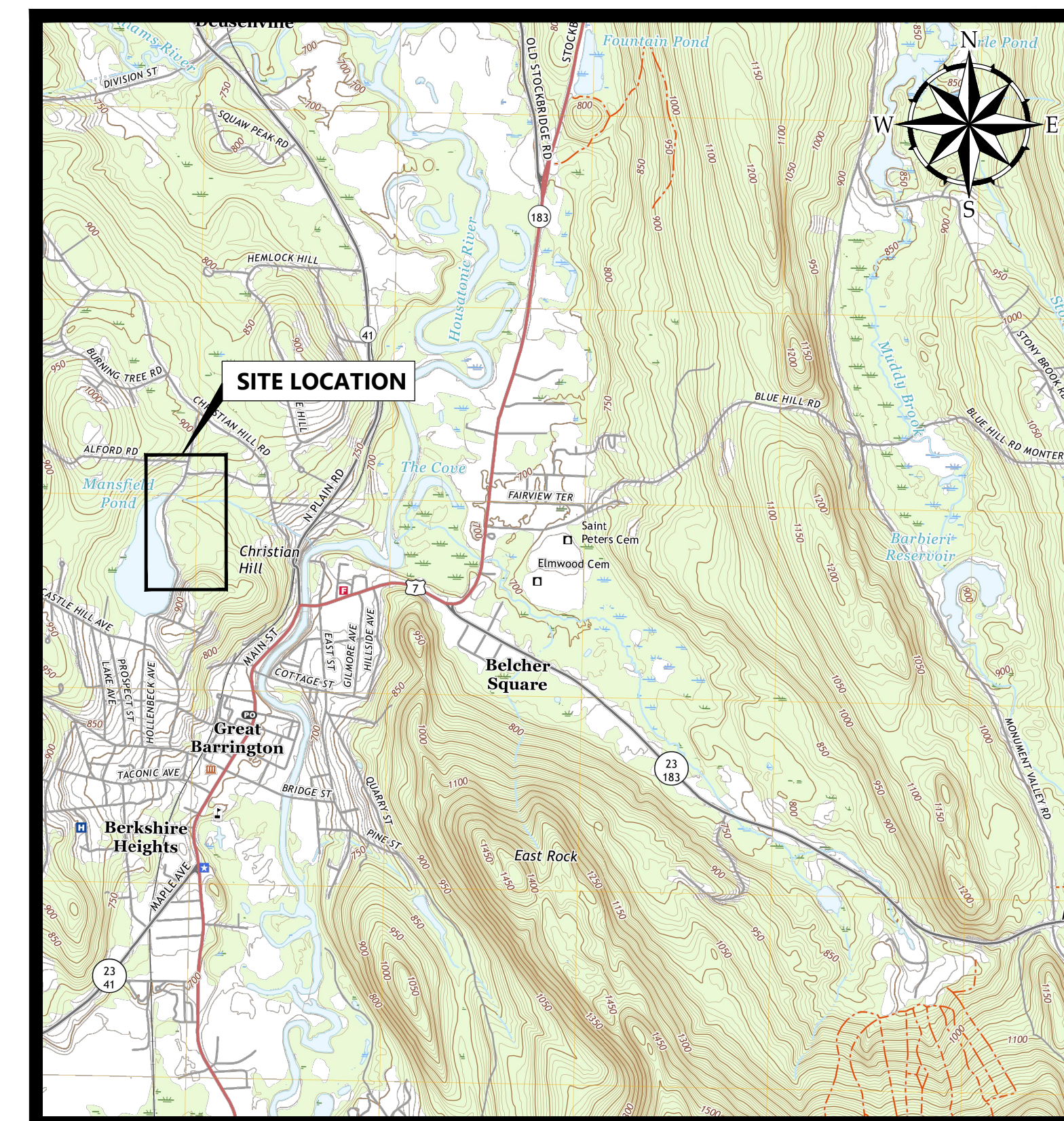
OCTOBER 2023

ISSUED FOR CONSTRUCTION



PROJECT LOCATION MAP

NOT TO SCALE



SITE LOCATION MAP

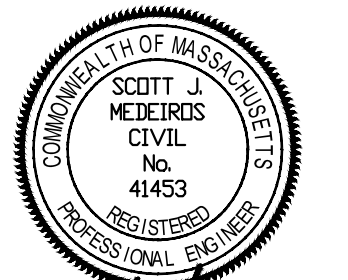
SOURCE: USGS TOPO QUADRANGLE

NOT TO SCALE



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

THIS DOCUMENT IS THE PROPERTY OF  
WOODARD & CURRAN AND ITS CLIENT.  
REPRODUCTION OR MODIFICATION WITHOUT  
WRITTEN PERMISSION IS PROHIBITED.



PE SEAL:

ISSUED FOR CONSTRUCTION

CLIENT INFO:

TOWN OF GREAT BARRINGTON  
GREAT BARRINGTON,  
MASSACHUSETTS

LAKE MANSFIELD ROAD &  
PARKING AREA  
IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
-----	----------	-------------

JOB NO:	0229252.03
DATE:	OCTOBER 2023
SCALE:	N/A
DESIGNED BY:	SMK
DRAWN BY:	SMK
CHECKED BY:	MM
FILENAME:	22925203-G-000.dwg

DRAWING TITLE:  
**GENERAL  
COVER SHEET**

DRAWING NO:

**G-000**

SHEET: 1 OF 28



1. EXISTING CONDITIONS ARE BASED ON A SURVEY PERFORMED BY J.R. RUSSO ASSOCIATES, LLC. SURVEYORS, ENGINEERS, WINDSOR, CT 060088, DATED JANUARY 16, 2018.
2. GEOCHEMICAL INVESTIGATIONS CONDUCTED BY GZA GEO ENVIRONMENTAL ON AUGUST 11, 2017.
3. WETLAND DELINEATION WAS CONDUCTED BY ECOTEC, INC. IN SEPTEMBER 2017.
4. DEP FILE NUMBER: 167-0426 & 167-0453
5. COORDINATE CONSTRUCTION ACTIVITY WITH UTILITY COMPANIES, EMERGENCY SERVICES AND TOWN. CONTRACTOR SHALL NOTIFY ALL UTILITIES PRIOR TO COMMENCING WORK, ALLOWING SUFFICIENT TIME TO LOCATE AND MARK THE LOCATION OF BURIED UTILITIES.
6. RESTORE ALL AREAS DISTURBED BY CONTRACTOR'S OPERATIONS TO ORIGINAL FINISH (GRAVEL, PAVEMENT, GRASS, ETC.) UNLESS NOTED OTHERWISE ON THE PLANS. RESTORATION OF PAVED SURFACES, GRAVEL SURFACES, DRIVEWAYS, AND LAWS DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE PERFORMED AT NO ADDITIONAL COST TO OWNER. ANY CURB DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED IN KIND AND SHALL CONFORM TO **TOWN OF GREAT BARRINGTON AND MASSACHUSETTS** DOT SPECIFICATIONS AT NO ADDITIONAL COST TO OWNER.
7. PROPERLY PROTECT AND DO NOT DISTURB PROPERTY IRONS AND MONUMENTS. IF DISTURBED, THE PROPERTY MONUMENT SHALL BE RESET AT THE CONTRACTOR'S EXPENSE BY A LICENSED LAND SURVEYOR ACCEPTABLE TO THE TOWN.
8. EXISTING UTILITIES (I.E. TREES, POLES, LIGHT POSTS, CATCH BASINS, STONE FROM CULVERT, ETC.) SHALL BE REMOVED AND PROTECTED DURING CONSTRUCTION. THE TOWN RETAINS RIGHT TO KEEP ANY AND ALL REMOVED FACILITIES. CONTRACTOR SHALL DISPOSE OF ANY REMOVED FACILITY AT THE REQUEST OF THE TOWN AT NO ADDITIONAL COST TO OWNER.
9. ALL TREES NOT NOTED TO BE REMOVED OR RELOCATED SHALL BE PROTECTED BY CONTRACTOR DURING CONSTRUCTION.
10. DO NOT PARK, IMPEDE ACCESS TO, OR STORE EQUIPMENT BEYOND LIMIT OF WORK, UNLESS PERMISSION HAS BEEN GRANTED IN WRITING BY TOWN AND/OR LAND OWNER.
11. RESTRICT ACCESS TO SITE THROUGH THE USE OF APPROPRIATE SIGNAGE, BARRIERS, FENCES, ETC. SITE SHALL BE LEFT WITH APPROPRIATE SAFETY MEASURES IN PLACE DURING NON-WORKING HOURS. THE TOWN RETAINS RESPONSIBILITY OF CONTRACTOR, DURING BOTH WORKING AND NON-WORKING HOURS.
12. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION PERMITS. PERMIT APPLICATIONS, INCLUDING "PERMIT TO OPEN OR OCCUPY STREET/ SIDEWALK" FROM THE TOWN. PERMIT APPLICATIONS SHALL BE SUBMITTED WITH ADEQUATE TIME SO AS NOT TO DELAY CONSTRUCTION.
13. ALL WORK ASSOCIATED WITH THE PROJECT SHALL BE COMPLETED IN ACCORDANCE WITH THE **TOWN OF GREAT BARRINGTON** BYLAW AND LOCAL REGULATIONS AND **MASSACHUSETTS** DOT STANDARD SPECIFICATIONS.
14. UPON COMPLETION OF CONSTRUCTION, A COMPLETE SET OF "RECORD" DRAWINGS SHALL BE SUBMITTED TO THE TOWN ENGINEER. THESE DRAWINGS SHALL BE LIMITED TO DIGITAL AND PRINT FORM. DRAWINGS DEFINED IN THE SPECIFICATIONS PRIOR TO PAYMENT OF FINAL RETAINAGE.
15. PROTECTION OF EXISTING UTILITIES DURING CONSTRUCTION SHALL BE PROVIDED AT NO ADDITIONAL COST.
16. PROJECT IS SUBJECT TO THE CONDITIONS SET FORTH IN PERMITS ISSUED BY THE US ARMY CORPS OF ENGINEERS, **GREAT BARRINGTON** CONSERVATION COMMISSION, AND **MASSACHUSETTS** DEPARTMENT OF ENVIRONMENTAL PROTECTION, SPECIFICALLY RELATED TO LIMITS OF IMPACT, EROSION CONTROL MEASURES, RESTORATION ACTIVITIES, AND TIMEFRAME RESTRICTIONS. CONTRACTOR SHALL READ PERMIT DOCUMENTS FULLY AND CARRY OUT WORK IN ACCORDANCE WITH PERMIT DOCUMENTS. COPIES OF PERMIT DOCUMENTS ARE APPENDED TO THE PROJECT SPECIFICATIONS.
17. THE CONTRACTOR SHALL SUBMIT A WATER DIVERSION AND MANAGEMENT PLAN FOR THE PROJECT LOCATION IN ACCORDANCE WITH THE SPECIFICATIONS. THE PLAN SHALL INCLUDE A DESCRIPTION OF PROPOSED PROCEDURE FOR DEWATERING METHODS.
18. ALL DEWATERING ACTIVITIES SHALL MEET LOCAL, STATE, AND FEDERAL REGULATIONS.
19. THE CONTRACTOR IS RESPONSIBLE FOR ALL LABOR AND EQUIPMENT REQUIRED TO PERFORM THE WORK INCLUDING BUT NOT LIMITED TO PROPER SHORING, DEWATERING EQUIPMENT, AND WATER TREATMENT EQUIPMENT IN ACCORDANCE WITH THE SPECIFICATIONS AND ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
20. IN ACCORDANCE WITH THE TIME OF YEAR RESTRICTIONS SET FORTH IN 310 CMR 10.11(5), ALL SILT-GENERATING, IN-WATER WORK FOR **LAKE MANSFIELD** SHALL BE CONDUCTED BETWEEN MAY 1ST AND AUGUST 30TH, PER WORK BEYOND THE LIMITS OF TIMEFRAME, SUCH AS SEEDING AND INSTALLATION OF RESTORATION PLANTINGS, MAY BE CONDUCTED AFTER AUGUST 30TH, PER CONTRACT TIMES LISTED IN THE PROJECT SPECIFICATIONS.
21. CONTRACTOR SHALL BE RESPONSIBLE FOR SWEEPING **LAKE MANSFIELD ROAD** EVERY FRIDAY AND AS NECESSARY DURING THE DURATION OF THE WORK.
22. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL ATTEND A PRE-CONSTRUCTION MEETING AND THE PROJECT SITE WITH THE CONTRACTOR, ENGINEER, OWNER, AND CONSERVATION OFFICIAL TO REVIEW THE CONSTRUCTION SCHEDULE AND SEQUENCING, ORDER OF CONDITIONS, STOCKPILE LOCATIONS AND CRITICAL ASPECTS OF THE PROJECT.
23. PRIOR TO THE START OF WORK, CONTRACTOR SHALL CONFIRM EXISTING WETLAND FLAGS ARE IN PLACE AND SHALL BE MAINTAINED DURING CONSTRUCTION. MISSING FLAGS SHALL BE RESET PRIOR TO CONSTRUCTION. AN AUTOCAD FILE OF THE WETLAND FLAG LOCATIONS SHALL BE PROVIDED FOR CONTRACTOR'S USE IN RESETTING WETLAND FLAGS.
24. ALL DISTURBED UPLAND AREAS SHALL BE BROUGHT TO FINAL GRADE AND SHALL BE PERMANENTLY STABILIZED WITHIN 30 DAYS AFTER DISTURBANCE. BARE GROUND AND DISTURBED AREAS THAT CANNOT BE PERMANENTLY VEGETATED WITHIN 30 DAYS SHALL BE TEMPORARILY STABILIZED BY AN APPROVED METHOD.
25. PRIOR TO PLANTING OR SEEDING RESTORATION AREA, A LICENSED SURVEYOR SHALL

26. CONTRACTOR SHALL DEMARCATÉ CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE AREAS PRIOR TO CONSTRUCTION.

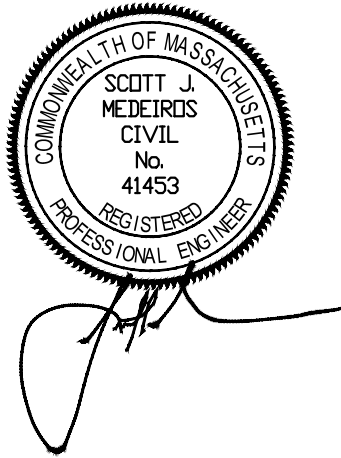
- THE PRE-CAST CONCRETE BOX CULVERT SHALL BE DESIGNED AND MANUFACTURED BY AN EXPERIENCED CONCRETE BOX CULVERT MANUFACTURER AS SPECIFIED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE MANUFACTURER WITH REGARD TO ORDERING, MANUFACTURING, AND DELIVERING THE BOX CULVERT SECTIONS TO THE SITE. THE CONTRACTOR SHALL WORK WITH THE MANUFACTURER TO DEVELOP DETAILED SHOP DRAWINGS COMPLETE WITH DESIGN CALCULATIONS TO BE SUBMITTED FOR REVIEW AND APPROVAL BY THE ENGINEER PRIOR TO MANUFACTURE AND DELIVERY OF THE BOX CULVERT. THE DESIGN CRITERIA AND SUBMITTAL SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
  - DESIGNED TO MEET AASHTO HL-93 LOADS
  - SEISMIC: AASHTO SD-C REQUIREMENTS
  - 12" TOP SLAB, FLOOR, AND WALLS
  - 5,000 PSI, 28 DAY STRENGTH CONCRETE
  - GRADE 60 REBAR WITH 2" COVER ON ALL FACES
  - 10% CORROSION INHIBITOR ADDITIVE SHALL BE USED IN MIX DESIGN
  - PROVISION FOR LIFTING AND PLACING SECTIONS INTO PLACE (I.E. LIFTING RINGS, LIFTING HOLES, ETC.)
  - PROVISIONS FOR SECURING MONOLITHIC CONCRETE CURB TO STRUCTURE
2. ALL CULVERTS SHALL BE:
  - DESIGNED AND DETAILED IN ACCORDANCE WITH THE PROVISIONS NOTED IN PARAGRAPH 3.3.4 OF PART 1 OF THE LRFD BRIDGE MANUAL
3. MEMBRANE WATERPROOFING WITH A WATERPROOFING PROTECTIVE COURSE SHALL BE USED WHERE ROADWAY PAVEMENT IS DIRECTLY ON THE STRUCTURE AND ON ALL STRUCTURES WHERE THE CLEAR SPAN IS OVER 20'-0". USE BITUMINOUS DAMP-PROOFING WHERE ROADWAY PAVEMENT IS NOT DIRECTLY ON THE STRUCTURE AND THE CLEAR SPAN IS LESS THAN 20'-0".
4. THE HORIZONTAL AND VERTICAL HAUNCH DIMENSIONS SHALL BE EQUAL TO THE SIDEWALL THICKNESS IN INCHES. IF HAUNCHES WITH OTHER DIMENSIONS ARE USED, A SPECIAL REINFORCEMENT DESIGN FOR THE ACTUAL DIMENSIONS SHALL BE COMPLETED.
5. THE CONTRACTOR SHALL VERIFY THE DIMENSIONS SHOWN ON THE DESIGN PLANS WITH THE FIELD CONDITIONS PRIOR TO ORDERING THE BOX CULVERT. ANY DISCREPANCIES SHALL BE REPORTED TO ENGINEER IMMEDIATELY.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE BOX CULVERT IN GENERAL CONFORMANCE WITH THE LINES AND GRADES SHOWN ON THE DESIGN PLANS AND IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER.
7. ALL JOINTS SHALL BE SECURELY SEATED TOGETHER TO ACHIEVE A SILT-TIGHT JOINT AND A DRY JOINT. A SILT-TIGHT JOINT IS DEFINED AS A JOINT IN WHICH THE GASKET IS COMPRESSED TO A MINIMUM OF ONE HALF OF ITS UNCOMPRESSED WIDTH. THE GASKET SHALL BE UNIFORMLY COMPRESSED ALONG ALL VERTICAL AND HORIZONTAL SECTIONS. A POSITIVE MEANS, THROUGH THE USE OF SEATING DEVICES, SHALL BE USED FOR EACH JOINT ACTION AGAINST ANOTHER TO INSURE AN ADEQUATE SILT-TIGHT JOINT. EACH JOINT BETWEEN TWO BOX CULVERT SECTIONS SHALL BE COVERED WITH A MINIMUM 12-INCH WIDE JOINT WRAP. THE WRAP SHALL MEET THE SPECIFICATIONS OF ASTM C-877. THE JOINT SHALL BE COVERED COMPLETE AROUND THE ENTIRE STRUCTURE.
8. INSTALLATION OF NEW BOX CULVERT SHALL OCCUR DURING DRY WEATHER OR DRY EXCAVATION CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR ANY WATER DIVERSION AND MANAGEMENT REQUIRED.
9. BACKFILL CULVERT EXCAVATION NEAR EXISTING STRUCTURES, SUCH AS ABUTMENT WALLS WITH 500 PSI FLOWABLE FILL.
10. CONTRACTOR RESPONSIBLE FOR PROTECTION OF ALL UTILITIES ON SITE INCLUDING BUT NOT LIMITED TO: SIGNAGE, ABUTMENT WALLS, TREES, ETC.

1. LOCATIONS, SIZES AND TYPES OF EXISTING UTILITIES SHOWN ARE AN APPROXIMATE REPRESENTATION ONLY. NEITHER THE OWNER NOR THE ENGINEER HAS INDEPENDENTLY VERIFIED THIS INFORMATION SHOWN ON THE DRAWINGS. UTILITY INFORMATION SHOWN DOES NOT GUARANTEE THE ACTUAL EXISTENCE, SERVICEABILITY, OR OTHER DATA CONCERNING THE UTILITIES, NOR DOES IT GUARANTEE THAT ALL EXISTING UTILITIES PRESENT ARE SHOWN ON THE DRAWINGS.
2. NOTIFY "DIG SAFE" AND OWNERS OF UNDERGROUND UTILITY LINES IN THE AREA OF PROPOSED EXCAVATION AT LEAST 72 HOURS BEFORE COMMENCING ANY EXCAVATION OR DEMOLITION. "DIG SAFE" TELEPHONE NO.: 811 OR (888) 344-7233. MAINTAIN WATER, GAS, SEWER, ELECTRIC AND OTHER UTILITIES AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR SHALL REQUEST DIG SAFE FROM THE TOWN OF GREAT BARRINGTON WATER DEPARTMENT (413-528-0133) AND THE TOWN OF GREAT BARRINGTON SEWER DEPARTMENT (413-528-0650).
3. WHERE AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH PROPOSED WORK OR EXISTING CONDITIONS DIFFER FROM THOSE SHOWN SUCH THAT THE WORK CANNOT BE COMPLETED AS INTENDED, DETERMINE THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY AND FURNISH TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT PER THE GENERAL AND SUPPLEMENTARY CONDITIONS.
4. RIM ELEVATIONS FOR DRAIN ARE APPROXIMATE. SET/RESET UTILITY CASTINGS SUCH AS MANHOLE FRAME AND COVERS, WATER AND GAS GATES, PULL BOXES AND OTHER SUCH ITEMS AS FOLLOWS:
  - A. PAVEMENTS AND CONCRETE SURFACES: FLUSH
  - B. ALL SURFACES ALONG ACCESSIBLE ROUTES: FLUSH
  - C. LANDSCAPE OR LOAM AND SEED AREAS: ONE INCH ABOVE SURROUNDING AREA AND TAPER EARTH TO THE RIM ELEVATION.
  - D. ADJUSTMENT OF CASTINGS SHALL BE CONSIDERED INCIDENTAL TO THE WORK AND WILL NOT BE MEASURED OR PAID FOR SEPARATELY.
5. INVESTIGATE EXISTING CONDITIONS, FIELD VERIFY EXISTING UTILITY AND SUB-SURFACE STRUCTURE LOCATIONS AND DIMENSIONS, AND COORDINATE WITH UTILITY OWNER TO VERIFY SEPARATION FROM EXISTING AND PROPOSED UTILITIES PRIOR TO CONSTRUCTION. CONTACT THE ENGINEER IMMEDIATELY UPON DISCOVERING CONFLICTS WITH THE EXISTING AND PROPOSED UTILITY LOCATIONS.
6. TEST PIT PROPOSED UTILITY CROSSINGS AND CONNECTIONS TO EXISTING UTILITIES TO VERIFY DEPTH, DIAMETER, AND VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES. NOTIFY ENGINEER OF CONFLICTS PRIOR TO CONSTRUCTION.
7. SUPPORT AND PROTECT EXISTING UTILITIES FROM DAMAGE DURING EXECUTION OF THE WORK. SUPPORT AND PROTECTION SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. NO SEPARATE PAYMENT SHALL BE MADE.
8. COORDINATE WITH PROVIDERS OPERATING UTILITY POLES TO SUPPLY POLE SUPPORTS DURING CONSTRUCTION ACTIVITIES AS NECESSARY. PROVIDE BRACING AND SUPPORT AS NEEDED. WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. NO SEPARATE PAYMENT SHALL BE MADE.
9. UNDERGROUND ELECTRIC IS KNOWN TO BE PRESENT WITHIN THE PROJECT AREA (APPROXIMATELY STATION 0+50 TO 10+50). THE ACTUAL DEPTH IS UNKNOWN. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF UNDERGROUND ELECTRIC.

1. ALL PLANTINGS SHALL BE NATIVE VARIETIES WITH NO LANDSCAPE CULTIVARS INSTALLED.
2. IF NECESSARY, ANY REQUIRED SUBSTITUTE NATIVE GROUNDCOVER SPECIES SHALL BE REVIEWED BY THE WETLAND SCIENTIST PRIOR TO INSTALLATION.
3. INSTALLATION OF PLANTINGS IS RECOMMENDED IN THE SPRING OR FALL PLANTING SEASON.
4. IF NECESSARY, A MINIMUM OF 6 INCHES OF ORGANIC RICH TOP SOIL SHALL BE RESTORED THROUGHOUT THE RESTORATION AREAS. GRADES SHALL BE RESTORED IN THE WETLAND TO MATCH PRE-EXISTING GRADES.
5. ANY REQUIRED TOPSOIL AMENDMENTS SHALL BE COMPRISED OF CLEAN LEAF COMPOST AND SANDY LOAM/LOAMY SAND MINERAL SOIL MIXTURE. WETLAND SOIL COMPOST MIXTURE SHALL BE COMPRISED OF 15-20% ORGANIC MATTER CONTENT.
6. PLUGS TO BE SECURED (E.G. WOODEN STAKES, LANDSCAPE STAPLES OR SMALL STONES) TO PREVENT FLOATING WITHIN SURFACE WATER PRIOR TO ESTABLISHMENT.
7. THE SPECIFIC LOCATIONS OF THE PLANTINGS SHALL BE OVERSEEN BY THE MONITORING WETLAND SCIENTIST TO ENSURE PROPER TARGET HYDROLOGY FOR EACH SPECIES.
8. A WETLAND SCIENTIST SHALL MONITOR THE PROPOSED RESTORATION WORK ACTIVITY.
9. ANY TEMPORARY DISTURBANCE AREAS WITHIN THE BUFFER ZONE RESTORATION AREA SHALL BE SEEDED WITH THE NEW ENGLAND CONSERVATION & WILDLIFE MIX OR EQUIVALENT NATIVE MIX APPROVED BY THE WETLAND SCIENTIST. THE MIX SHALL BE LIGHTLY RAKED INTO THE SURFACE AND APPLIED ACCORDING TO THE SUPPLIERS INSTRUCTIONS.
10. A WATERING SCHEDULE IS REQUIRED FOR AREAS ABOVE BANK, INCLUDING A DEEP WATERING AT THE TIME OF PLANTING. WATERING SCHEDULE SHALL BE PROVIDED TO THE OWNER AND ENGINEER FOR APPROVAL PRIOR TO PLANTING.

THIS DOCUMENT IS THE PROPERTY OF  
WOODARD & CURRAN AND ITS CLIENT.  
REPRODUCTION OR MODIFICATION WITHOUT  
WRITTEN PERMISSION IS PROHIBITED.

PE SEAL:



**ISSUED FOR CONSTRUCTION**

#### CLIENT INFO:

TOWN OF GREAT BARRINGTON  
GREAT BARRINGTON,  
MASSACHUSETTS

## LAKE MANSFIELD ROAD & PARKING AREA IMPROVEMENTS


REV	MM/DD/YY	DESCRIPTION
-----	----------	-------------

JOB NO:	0229252.03
DATE:	OCTOBER 2023
SCALE:	NTS
DESIGNED BY:	SMK
DRAWN BY:	SMK
CHECKED BY:	MM
FILENAME:	22925203-G-001_G-002.dwg

DRAWING TITLE

## GENERAL

### GENERAL NOTES

DRAWING NO.

**G-001**

SHEET: 2 OF 28



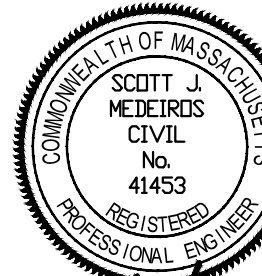


**Woodard  
& Curran**

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

THIS DOCUMENT IS THE PROPERTY OF  
WOODARD & CURRAN AND ITS CLIENT.  
REPRODUCTION OR MODIFICATION WITHOUT  
WRITTEN PERMISSION IS PROHIBITED.

PE SEAL:



#### ISSUED FOR CONSTRUCTION

CLIENT INFO:

TOWN OF GREAT BARRINGTON  
GREAT BARRINGTON,  
MASSACHUSETTS

LAKE MANSFIELD ROAD &  
PARKING AREA IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
-----	----------	-------------

JOB NO: 0229252.03

DATE: OCTOBER 2023

SCALE: NTS

DESIGNED BY: SMK

DRAWN BY: SMK

CHECKED BY: MM

FILENAME: 22925203-G-001\_G-002.dwg

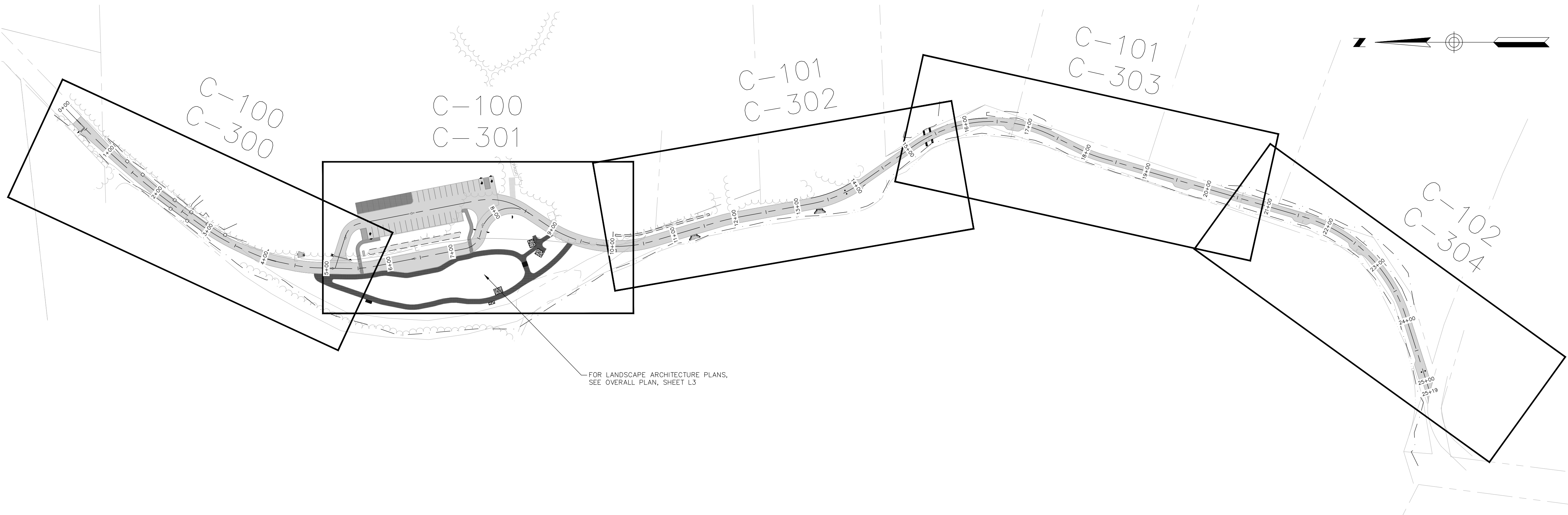
DRAWING TITLE:

**GENERAL  
INDEX, KEY PLAN,  
ABBREVIATIONS, & LEGEND**

DRAWING NO:

**G-002**

SHEET: 3 OF 28



FOR LANDSCAPE ARCHITECTURE PLANS,  
SEE OVERALL PLAN, SHEET L3

#### RESOURCE AREA IMPACT TABLE (MASSDEP FILE #167-0453)

	PERMANENT	TEMPORARY
BANK	0 L.F.	81 L.F.
BORDERING VEGETATED WETLAND (BVW)	0 S.F.	480 S.F.
LAND UNDER WATERBODIES & WATERWAYS (LUWW)	0 S.F.	0 S.F.
TOTAL (FILE #167-0426)	0 S.F. 0 L.F.	480 S.F. 81 L.F.

#### RESOURCE AREA IMPACT TABLE (MASSDEP FILE #167-0426)








	PERMANENT	TEMPORARY
BANK	0 L.F.	100 L.F.
BORDERING VEGETATED WETLAND (BVW)	157 S.F.	0 S.F.
LAND UNDER WATERBODIES & WATERWAYS (LUWW)	0 S.F.	1,077 S.F.
RIVERFRONT AREA	5,559 S.F.	0 S.F.
TOTAL (FILE #167-0426)	5,716 S.F. 0 L.F.	1,077 S.F. 100 L.F.

#### LEGEND

##### EXISTING LINETYPES

	PROPERTY LINE
	CONTOUR
	UNDERGROUND ELECTRIC
	OVERHEAD ELECTRIC
	100' WETLAND BUFFER
	BOUNDARY OF BANK & BORDERING VEGETATED WETLANDS ASSOCIATED WITH LAKE MANSFIELD
	BOUNDARY OF BORDERING VEGETATED WETLANDS
	LAND UNDER WATERBODIES & WATERWAYS
	MEAN ANNUAL HIGH WATER LINE (EL. 584.23 PER EROTEC NOV. 28, 2018 SITE VISIT)
	200' RIVERFRONT AREA
	100' RIVERFRONT AREA
	BOUNDARY OF BORDERING VEGETATED WETLANDS ASSOCIATED WITH INTERMITTENT STREAM (D-SERIES FLAGS)
	100' BUFFER OF BANK & BORDERING VEGETATED WETLANDS ASSOCIATED WITH LAKE MANSFIELD

##### PROPOSED LINETYPES

	EROSION CONTROL BARRIER
	LIMIT OF WORK LINE
	CONTOUR (1' OR 2' INTERVAL)
	CONTOUR (INDEX)
	STORM DRAIN PIPE
	TRENCH DRAIN
	SAWCUT

#### ABBREVIATIONS

ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	DPW	DEPARTMENT OF PUBLIC WORKS	MTL	METAL
APPROX/±	APPROXIMATELY	EA	EACH	NHESP	NATURAL HERITAGE & ENDANGERED SPECIES PROGRAM
BIT	BITUMINOUS	EC	EROSION AND SEDIMENT CONTROL	NO.	NUMBER
BLDG	BUILDING	EL	ELEVATION	NTS	NOT TO SCALE
BOT	BOTTOM	ELEC COND	ELECTRICAL CONDUIT	OC	ON CENTER
BVW	BORDERING VEGETATED WETLAND	EOP	EDGE OF PAVEMENT	OD	OUTSIDE DIAMETER
CL	CENTERLINE	EQUIP	EQUIPMENT	PSI	POUNDS PER SQUARE INCH
CB	CATCH BASIN	EXIST/EX.	EXISTING	PVC	POLYVINYL CHLORIDE
CD	CONTROLLED DENSITY FILL	FES	FLARED END SECTION	R	RADIUS
CI	CAST IRON	FFE	FINISHED FLOOR ELEVATION	RCP	REINFORCED CONCRETE PIPE
CLDI	CONCRETE LINED DUCTILE IRON	FIN	FINISHED	REINF	REINFORCED
CMP	CORRUGATED METAL PIPE	FM	FORCE MAIN	REQ'D	REQUIRED
CO	CLEANOUT	FND	FOUND	RET	RETAINING WALL
CONC.	CONCRETE	FT	FOOT	ROW	RIGHT OF WAY
CONT	CONTINUOUS	HDPE	HIGH DENSITY POLYETHYLENE	SMH	SEWER MANHOLE
CVP	CERTIFIED VERNAL POOL	IN	INCHES	STD	STANDARD
DI	DUCTILE IRON	INV	INVERT	TBM	TEMPORARY BENCH MARK
DIA/ø	DIAMETER	IWV	ISOLATED VEGETATED WETLAND	TOC	TOP OF CURB
DLCB	DOUBLE GRATE CATCH BASIN	LW	LIMIT OF WORK	TYP	TYPICAL
DMH	DRAIN MANHOLE	MAHW	MEAN ANNUAL HIGH WATER	UP	UTILITY POLE
		MAX	MAXIMUM	VGC	VERTICAL GRANITE CURB
		MH	MANHOLE	WG	WATER GATE VALVE
		MIN	MINIMUM		



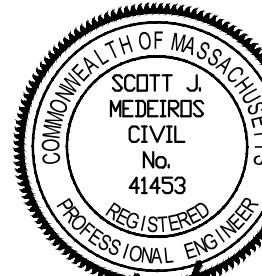


**Woodard  
& Curran**

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

THIS DOCUMENT IS THE PROPERTY OF  
WOODARD & CURRAN AND ITS CLIENT.  
REPRODUCTION OR MODIFICATION WITHOUT  
WRITTEN PERMISSION IS PROHIBITED.

PE SEAL:



#### ISSUED FOR CONSTRUCTION

CLIENT INFO:

TOWN OF GREAT BARRINGTON  
GREAT BARRINGTON,  
MASSACHUSETTS

LAKE MANSFIELD ROAD &  
PARKING AREA IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
-----	----------	-------------

JOB NO:	0229252.03
DATE:	OCTOBER 2023
SCALE:	1"=20'
DESIGNED BY:	SMK
DRAWN BY:	SMK
CHECKED BY:	MM
FILENAME:	022925203-C10X.dwg

DRAWING TITLE:

**CIVIL**  
**EXISTING COND, DEMO, &  
EROSION PLAN - 1**

DRAWING NO:

**C-100**

SHEET: 4 OF 28





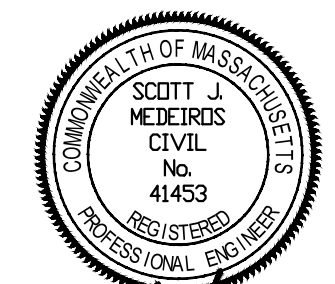


**Woodard  
& Curran**

41 Hutchins Drive  
Portland, Maine 04102  
800.426.4262 | [www.woodardcurran.com](http://www.woodardcurran.com)

THIS DOCUMENT IS THE PROPERTY OF  
WOODARD & CURRAN AND ITS CLIENT.  
REPRODUCTION OR MODIFICATION WITHOUT  
WRITTEN PERMISSION IS PROHIBITED.

PE SEAL:



**ISSUED FOR CONSTRUCTION**

CLIENT INFO:

TOWN OF GREAT BARRINGTON  
GREAT BARRINGTON,  
MASSACHUSETTS

## LAKE MANSFIELD ROAD & PARKING AREA IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
JOB NO:	0229252.03	
DATE:	OCTOBER 2023	
SCALE:	1"=20	
DESIGNED BY:	SMK	
DRAWN BY:	SMK	
CHECKED BY:	MM	
FILENAME:	022925203-C10X.dwg	

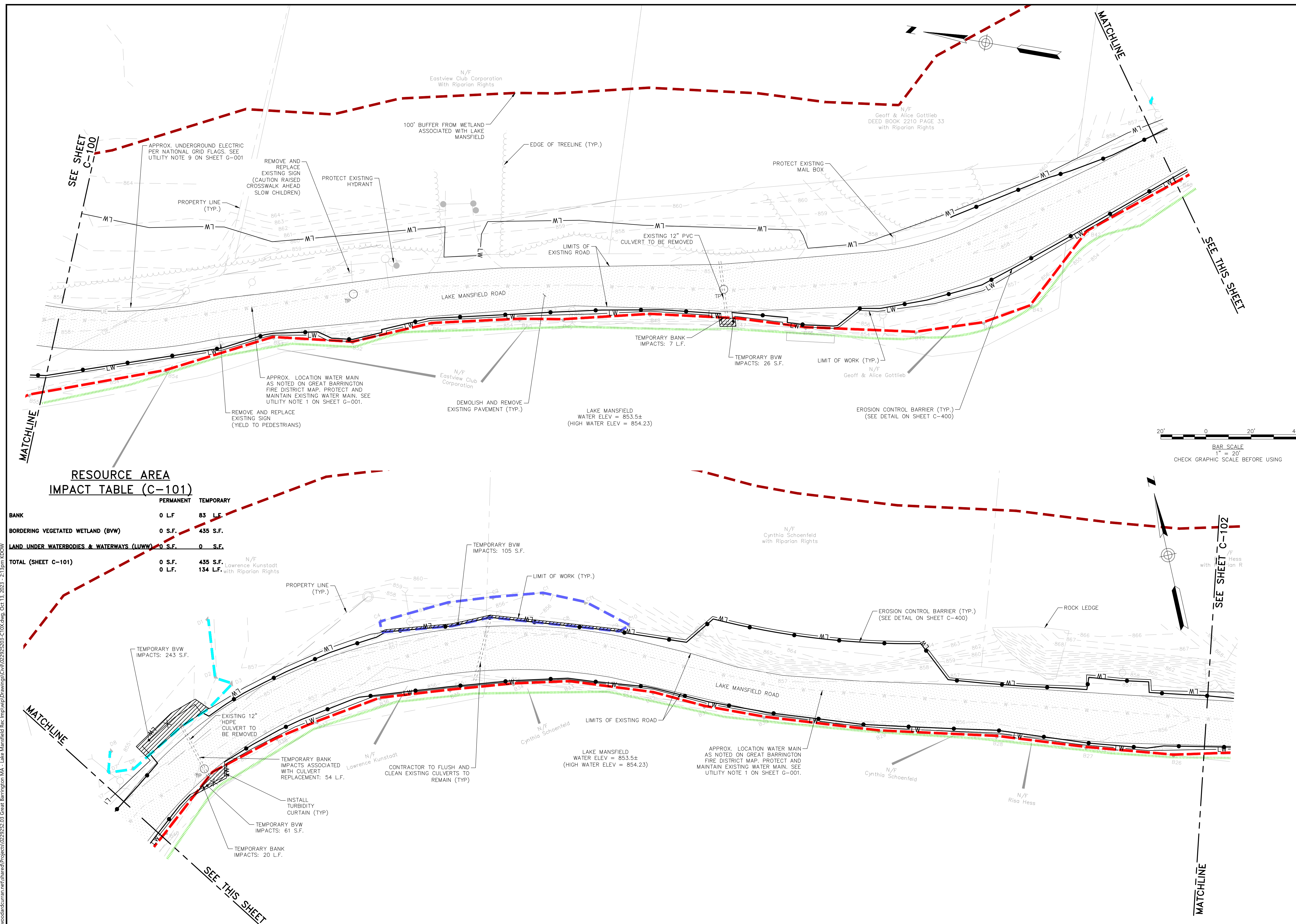
DRAWING TITLE:

**CIVIL**

**EXISTING COND, DEMO, &**

**EROSION PLAN - 2**

DRAWING NO:  
**C-101**  
SHEET: 5 OF 28





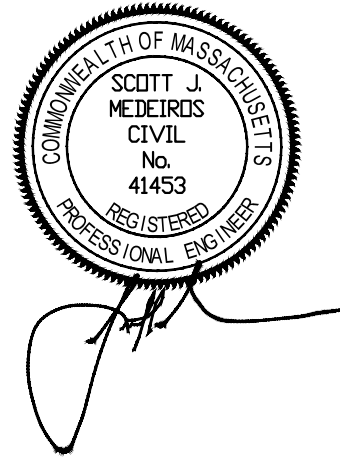


**Woodard  
& Curran**

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

THIS DOCUMENT IS THE PROPERTY OF  
WOODARD & CURRAN AND ITS CLIENT.  
REPRODUCTION OR MODIFICATION WITHOUT  
WRITTEN PERMISSION IS PROHIBITED.

PE SEAL:



**ISSUED FOR CONSTRUCTION**

CLIENT INFO:

TOWN OF GREAT BARRINGTON  
GREAT BARRINGTON,  
MASSACHUSETTS

LAKE MANSFIELD ROAD &  
PARKING AREA IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
-----	----------	-------------

JOB NO:	0229252.03
DATE:	OCTOBER 2023
SCALE:	1"=20'
DESIGNED BY:	SMK
DRAWN BY:	SMK
CHECKED BY:	MM
FILENAME:	022925203-C10X.dwg

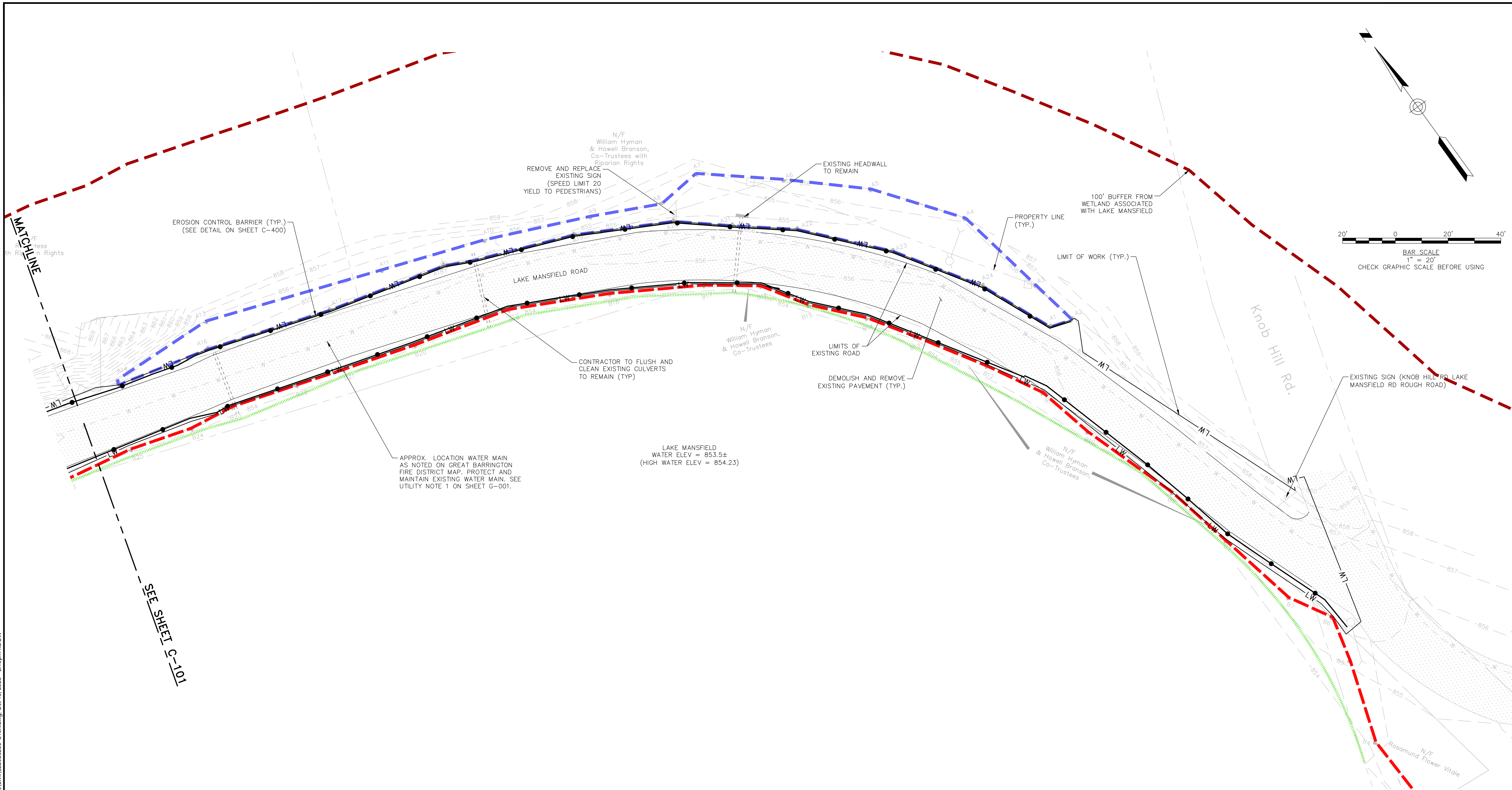
DRAWING TITLE:

**CIVIL  
EXISTING COND, DEMO, &  
EROSION PLAN - 3**

DRAWING NO:

**C-102**

SHEET: 6 OF 28



**RESOURCE AREA  
IMPACT TABLE (C-102)**

	PERMANENT	TEMPORARY
BANK	0 L.F.	0 L.F.
BORDERING VEGETATED WETLAND (BVW)	0 S.F.	0 S.F.
LAND UNDER WATERBODIES & WATERWAYS (LUWW)	0 S.F.	0 S.F.
TOTAL (SHEET C-102)	0 S.F. 0 L.F.	0 S.F. 0 L.F.



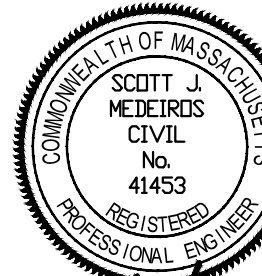


**Woodard  
& Curran**

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

THIS DOCUMENT IS THE PROPERTY OF  
WOODARD & CURRAN AND ITS CLIENT.  
REPRODUCTION OR MODIFICATION WITHOUT  
WRITTEN PERMISSION IS PROHIBITED.

PE SEAL:



**ISSUED FOR CONSTRUCTION**

CLIENT INFO:

TOWN OF GREAT BARRINGTON  
GREAT BARRINGTON,  
MASSACHUSETTS

LAKE MANSFIELD ROAD &  
PARKING AREA IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
-----	----------	-------------

JOB NO:	0229252.03
DATE:	OCTOBER 2023
SCALE:	1"=20'
DESIGNED BY:	SMK
DRAWN BY:	SMK
CHECKED BY:	MM
FILENAME:	022925203-C20X.dwg

DRAWING TITLE:

**CIVIL  
PROPOSED SITE LAYOUT - 1**

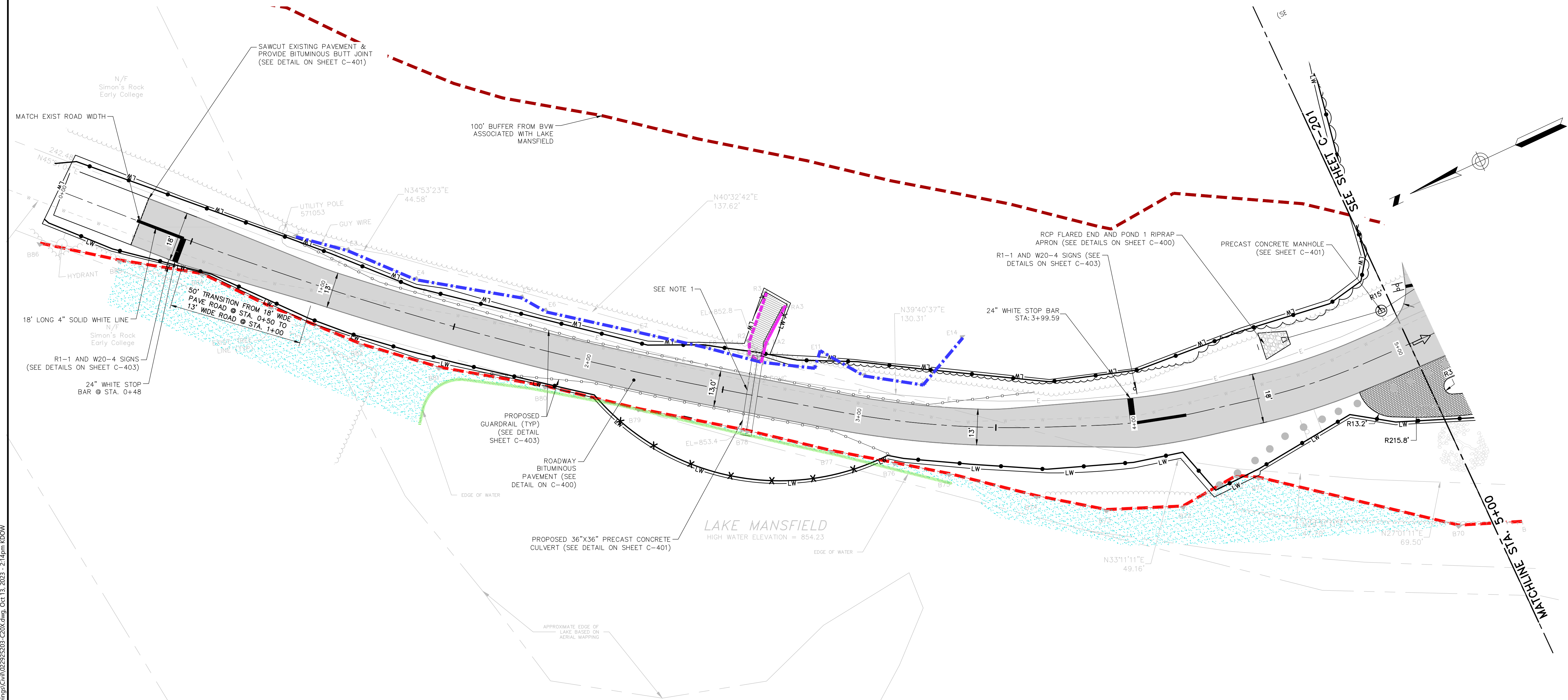
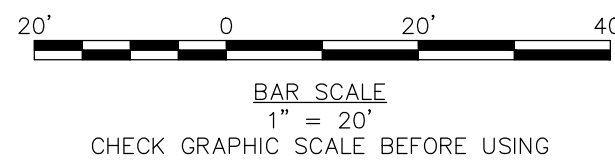
DRAWING NO:

**C-200**

SHEET: 7 OF 28

**PROPOSED SITE LAYOUT - 1**

SCALE: 1"=20'





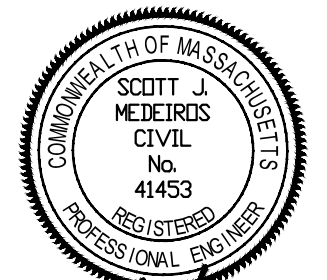


**Woodard  
& Curran**

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

THIS DOCUMENT IS THE PROPERTY OF  
WOODARD & CURRAN AND ITS CLIENT.  
REPRODUCTION OR MODIFICATION WITHOUT  
WRITTEN PERMISSION IS PROHIBITED.

PE SEAL:



**ISSUED FOR CONSTRUCTION**

CLIENT INFO:

TOWN OF GREAT BARRINGTON  
GREAT BARRINGTON,  
MASSACHUSETTS

LAKE MANSFIELD ROAD &  
PARKING AREA IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
-----	----------	-------------

JOB NO:	0229252.03
DATE:	OCTOBER 2023
SCALE:	1"=20'
DESIGNED BY:	SMK
DRAWN BY:	SMK
CHECKED BY:	MM
FILENAME:	022925203-C20X.dwg

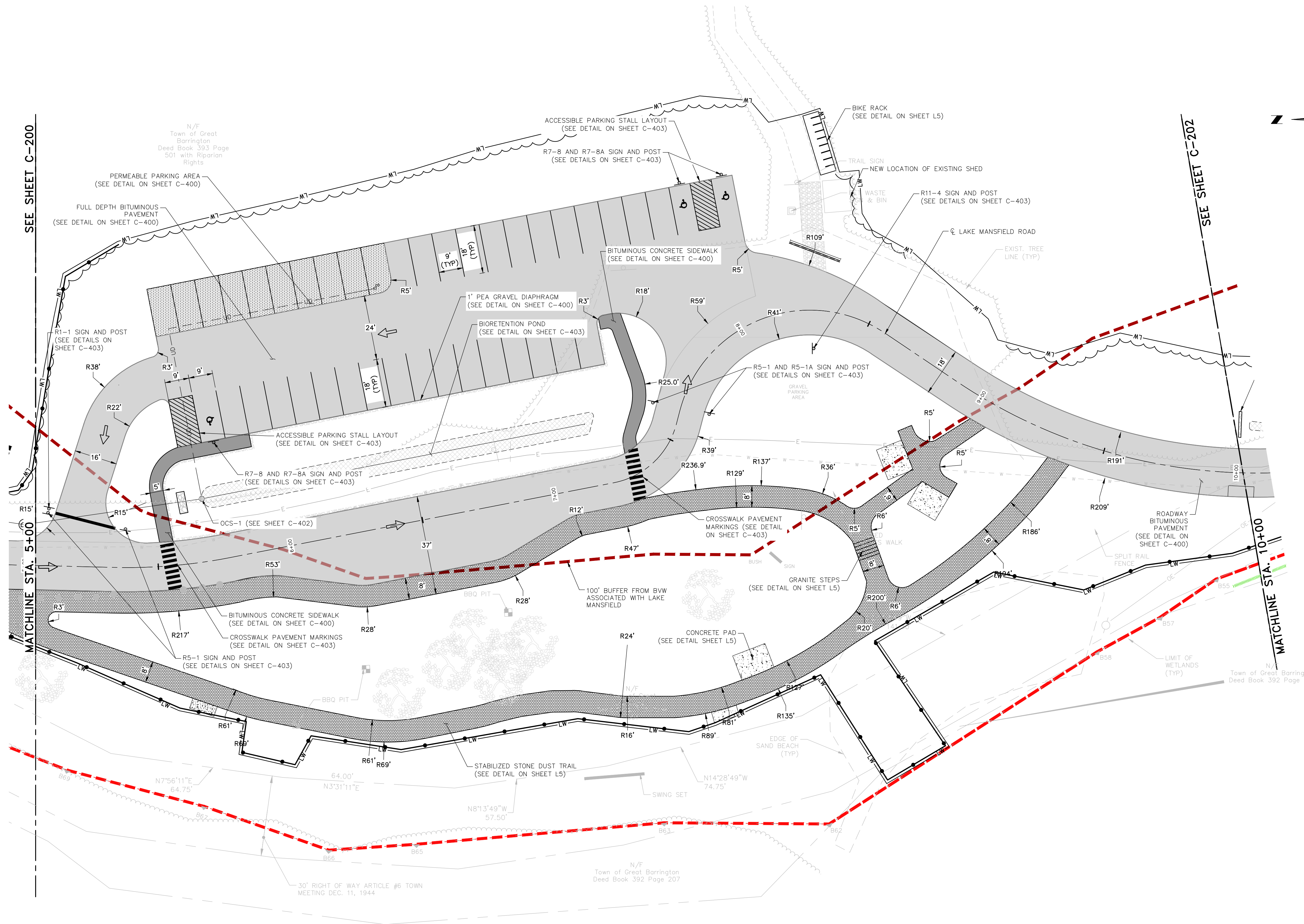
DRAWING TITLE:

**CIVIL  
PROPOSED SITE LAYOUT - 2**

DRAWING NO:

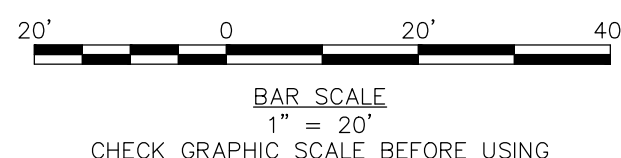
**C-201**

SHEET: 8 OF 28



**PROPOSED SITE LAYOUT - 2**

SCALE: 1"=20'





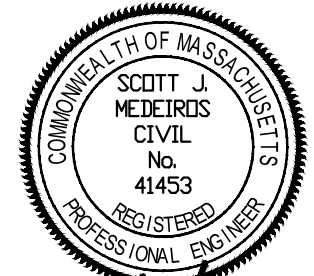


**Woodard  
& Curran**

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

THIS DOCUMENT IS THE PROPERTY OF  
WOODARD & CURRAN AND ITS CLIENT.  
REPRODUCTION OR MODIFICATION WITHOUT  
WRITTEN PERMISSION IS PROHIBITED.

PE SEAL:



**ISSUED FOR CONSTRUCTION**

CLIENT INFO:

TOWN OF GREAT BARRINGTON  
GREAT BARRINGTON,  
MASSACHUSETTS

LAKE MANSFIELD ROAD &  
PARKING AREA IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
-----	----------	-------------

JOB NO: 0229252.03

DATE: OCTOBER 2023

SCALE: 1"=20'

DESIGNED BY: SMK

DRAWN BY: SMK

CHECKED BY: MM

FILENAME: 022925203-C20X.dwg

DRAWING TITLE:

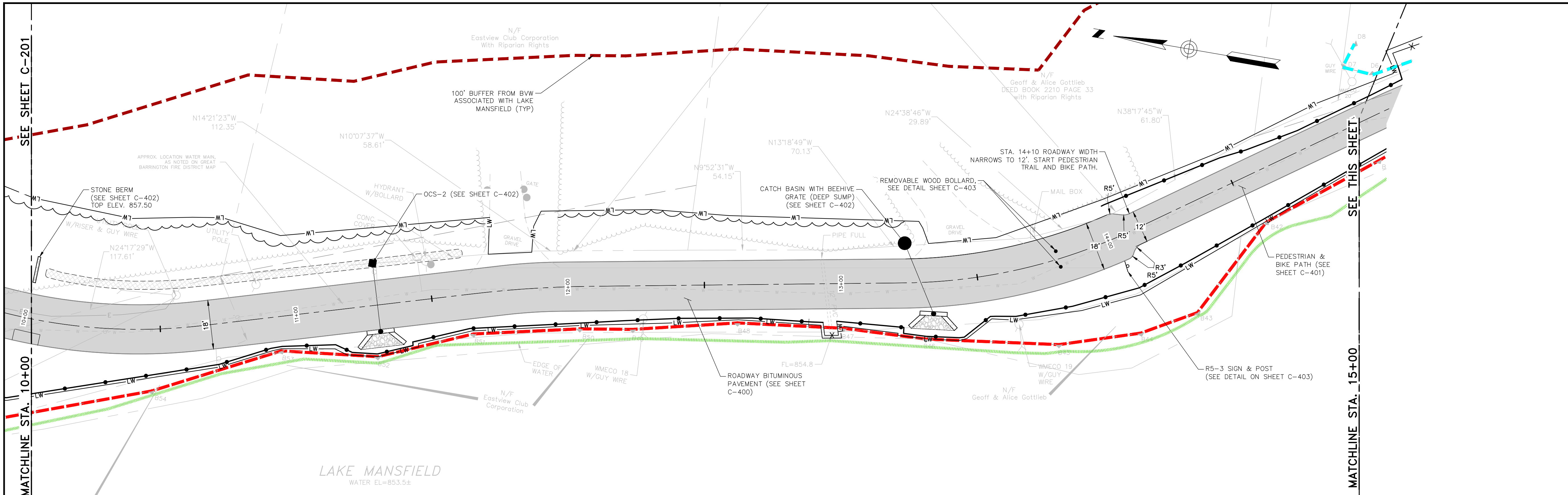
**CIVIL**

**PROPOSED SITE LAYOUT - 3**

DRAWING NO:

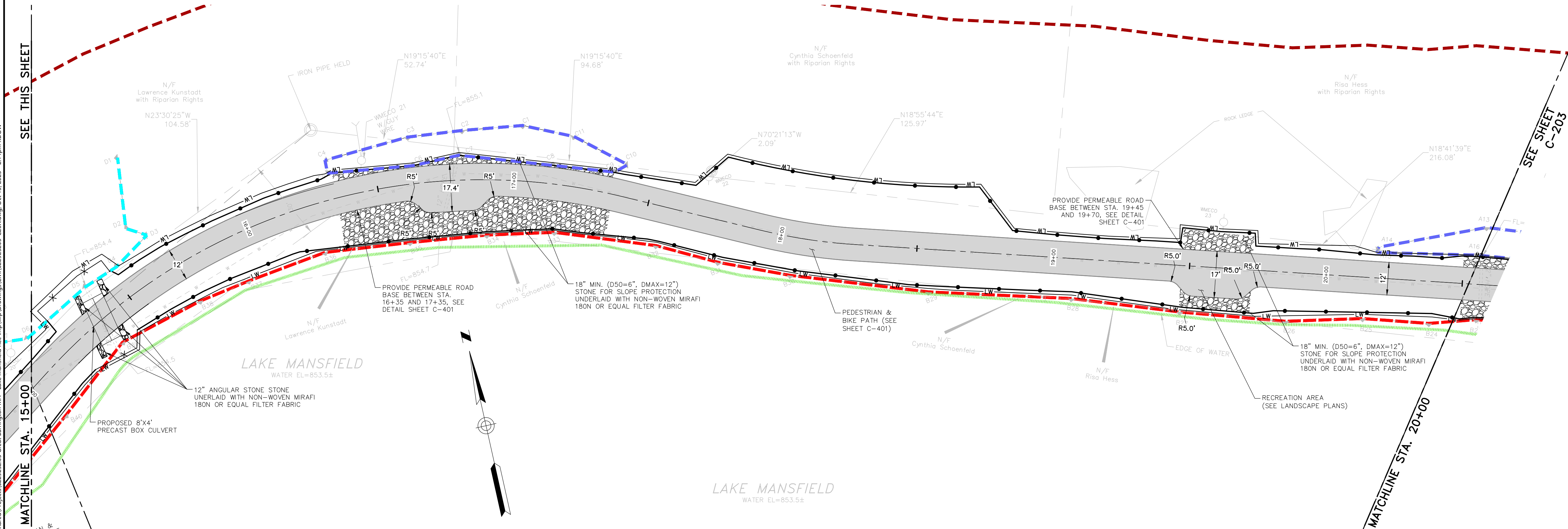
**C-202**

SHEET: 9 OF 28



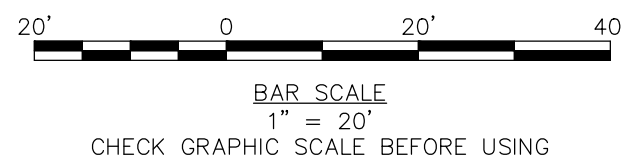
**PROPOSED SITE LAYOUT - 3**

SCALE: 1"=20'



**PROPOSED SITE LAYOUT - 3**

SCALE: 1"=20'





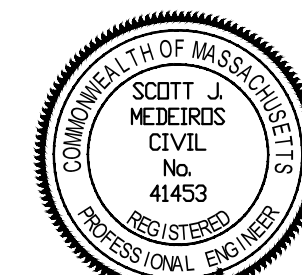


**Woodard  
& Curran**

41 Hutchins Drive  
Portland, Maine 04102  
800.426.4262 | [www.woodardcurran.com](http://www.woodardcurran.com)

THIS DOCUMENT IS THE PROPERTY OF  
WOODARD & CURRAN AND ITS CLIENT.  
REPRODUCTION OR MODIFICATION WITHOUT  
WRITTEN PERMISSION IS PROHIBITED.

PE SEAL:



**ISSUED FOR CONSTRUCTION**

#### CLIENT INFO:

TOWN OF GREAT BARRINGTON  
GREAT BARRINGTON,  
MASSACHUSETTS

## LAKE MANSFIELD ROAD & PARKING AREA IMPROVEMENTS

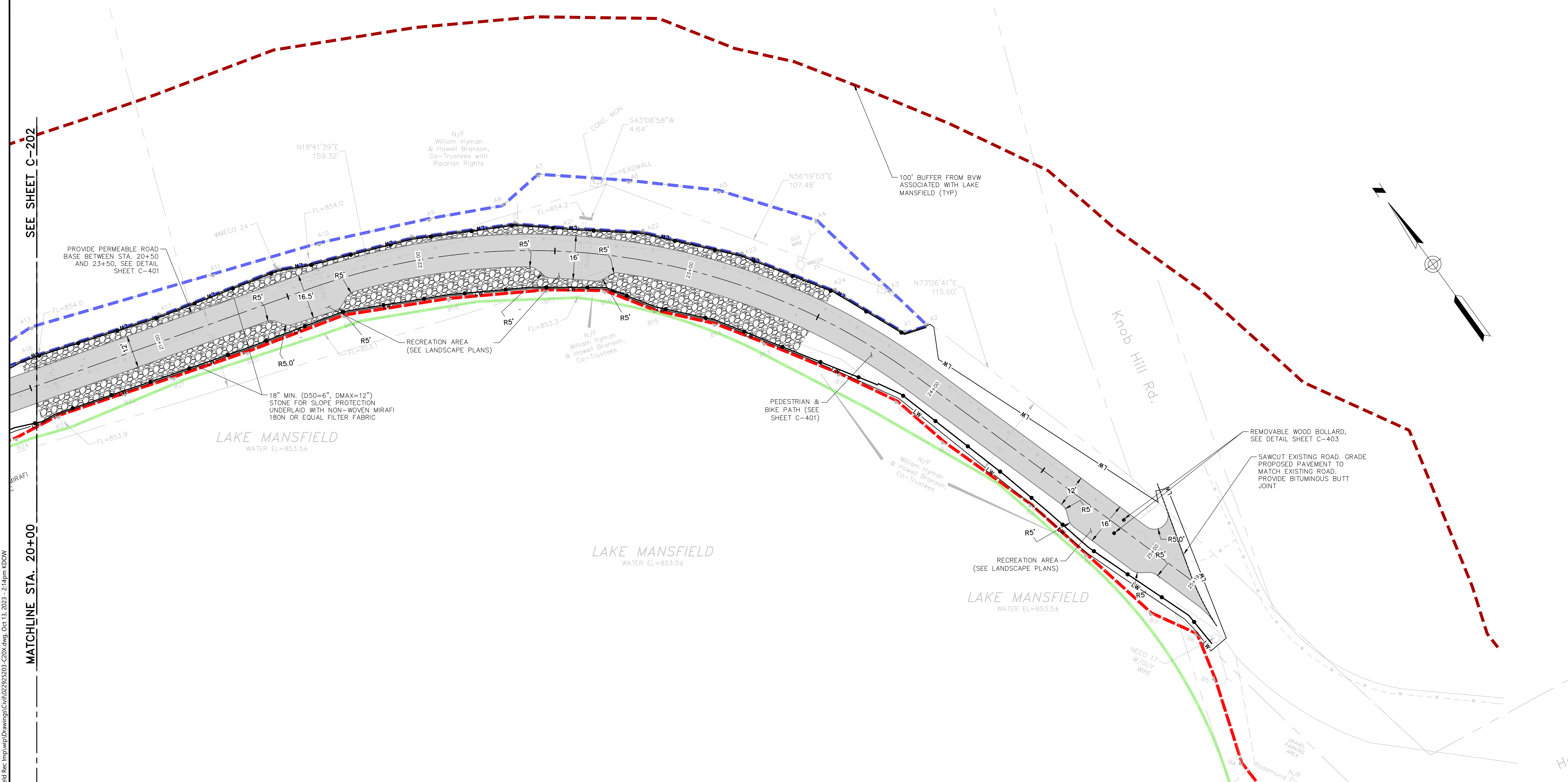

REV	MM/DD/YY	DESCRIPTION
JOB NO:	022925.03	
DATE:	OCTOBER 2023	
SCALE:	1"=20	
DESIGNED BY:	SMK	
DRAWN BY:	SMK	
CHECKED BY:	MM	
FILENAME:	022925203-C20X.dwg	

DRAWING TITLE:

**CIVIL**

**PROPOSED SITE LAYOUT - 4**

DRAWING NO:  
**C-203**  
SHEET: 10 OF 28

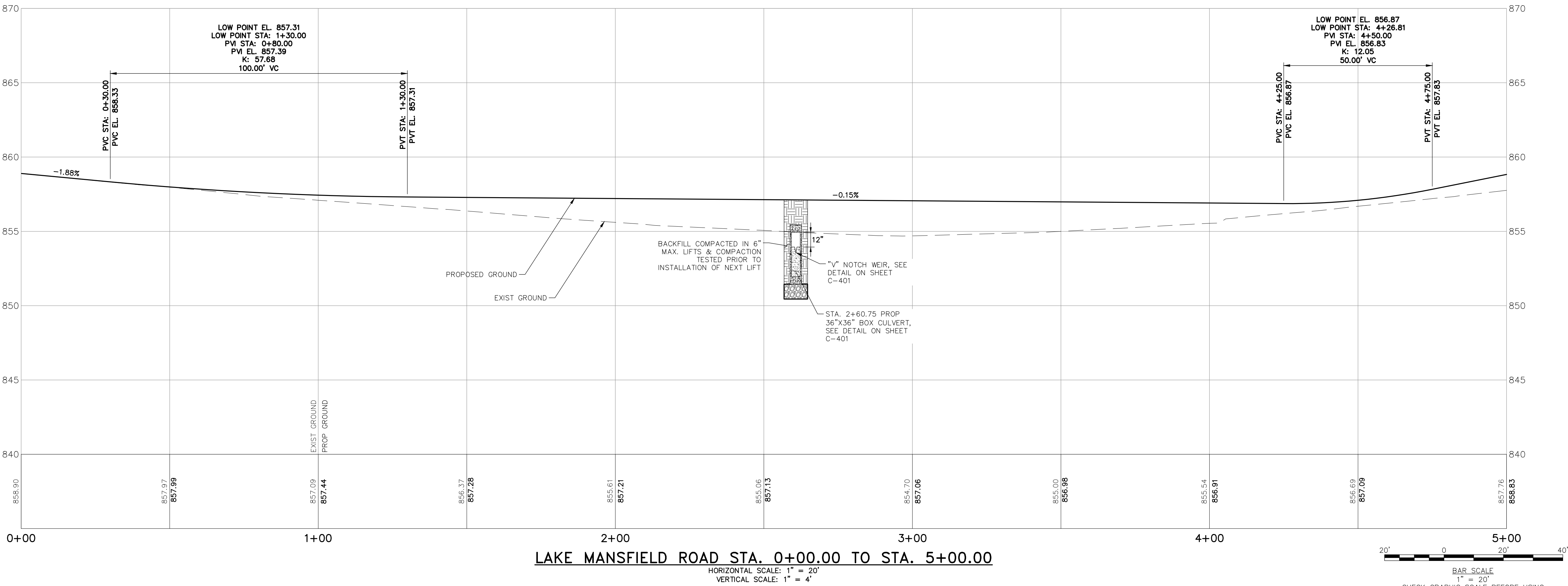
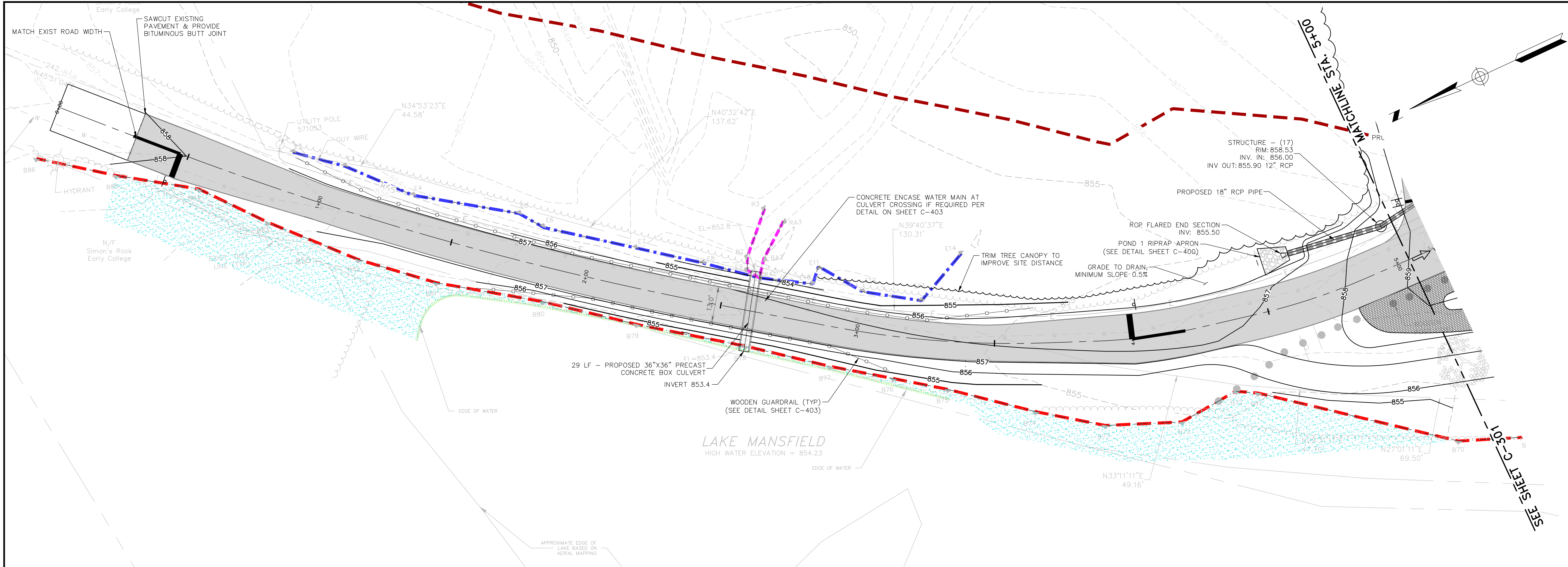


PROPOSED SITE LAYOUT - 4

SCALE: 1"=20'



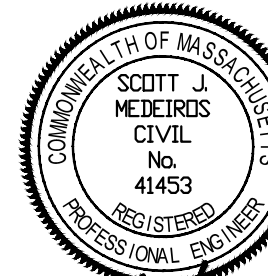




41 Hutchins Drive  
Portland, Maine 04102  
800.426.4262 | www.woodardcurran.com

THIS DOCUMENT IS THE PROPERTY OF  
WOODARD & CURRAN AND ITS CLIENT.  
REPRODUCTION OR MODIFICATION WITHOUT  
WRITTEN PERMISSION IS PROHIBITED.

PE SEAL:



#### ISSUED FOR CONSTRUCTION

CLIENT INFO:

TOWN OF GREAT BARRINGTON  
GREAT BARRINGTON,  
MASSACHUSETTS

LAKE MANSFIELD ROAD &  
PARKING AREA IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
-----	----------	-------------

JOB NO: 0229252.03

DATE: OCTOBER 2023

SCALE: 1"=20'

DESIGNED BY: SMK

DRAWN BY: SMK

CHECKED BY: MM

FILENAME: 022925203-C30X.dwg

DRAWING TITLE:

**CIVIL**  
**LAKE MANSFIELD ROAD PLAN**  
**AND PROFILE - 1**

DRAWING NO:

**C-300**

SHEET: 11 OF 28



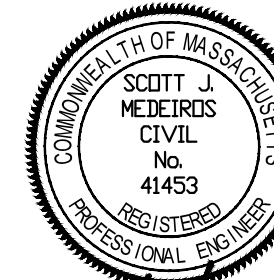


**Woodard  
& Curran**

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

THIS DOCUMENT IS THE PROPERTY OF  
WOODARD & CURRAN AND ITS CLIENT.  
REPRODUCTION OR MODIFICATION WITHOUT  
WRITTEN PERMISSION IS PROHIBITED.

PE SEAL:



**ISSUED FOR CONSTRUCTION**

CLIENT INFO:

TOWN OF GREAT BARRINGTON  
GREAT BARRINGTON,  
MASSACHUSETTS

LAKE MANSFIELD ROAD &  
PARKING AREA IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
-----	----------	-------------

JOB NO:	0229252.03
DATE:	OCTOBER 2023
SCALE:	1"=20'
DESIGNED BY:	SMK
DRAWN BY:	SMK
CHECKED BY:	MM
FILENAME:	022925203-C30X.dwg

DRAWING TITLE:  
**CIVIL  
LAKE MANSFIELD ROAD PLAN  
AND PROFILE - 2**

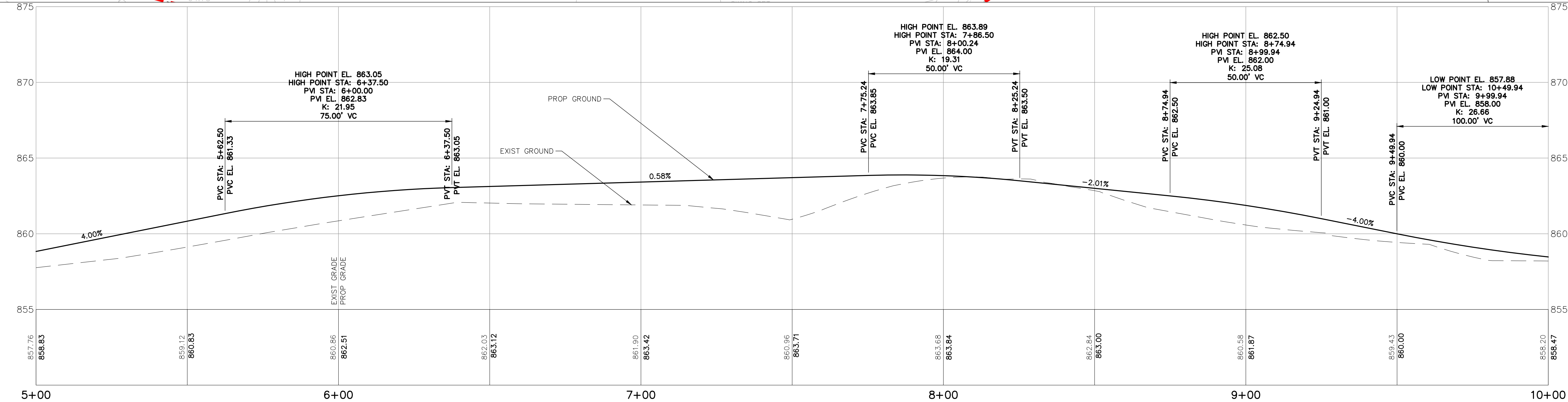
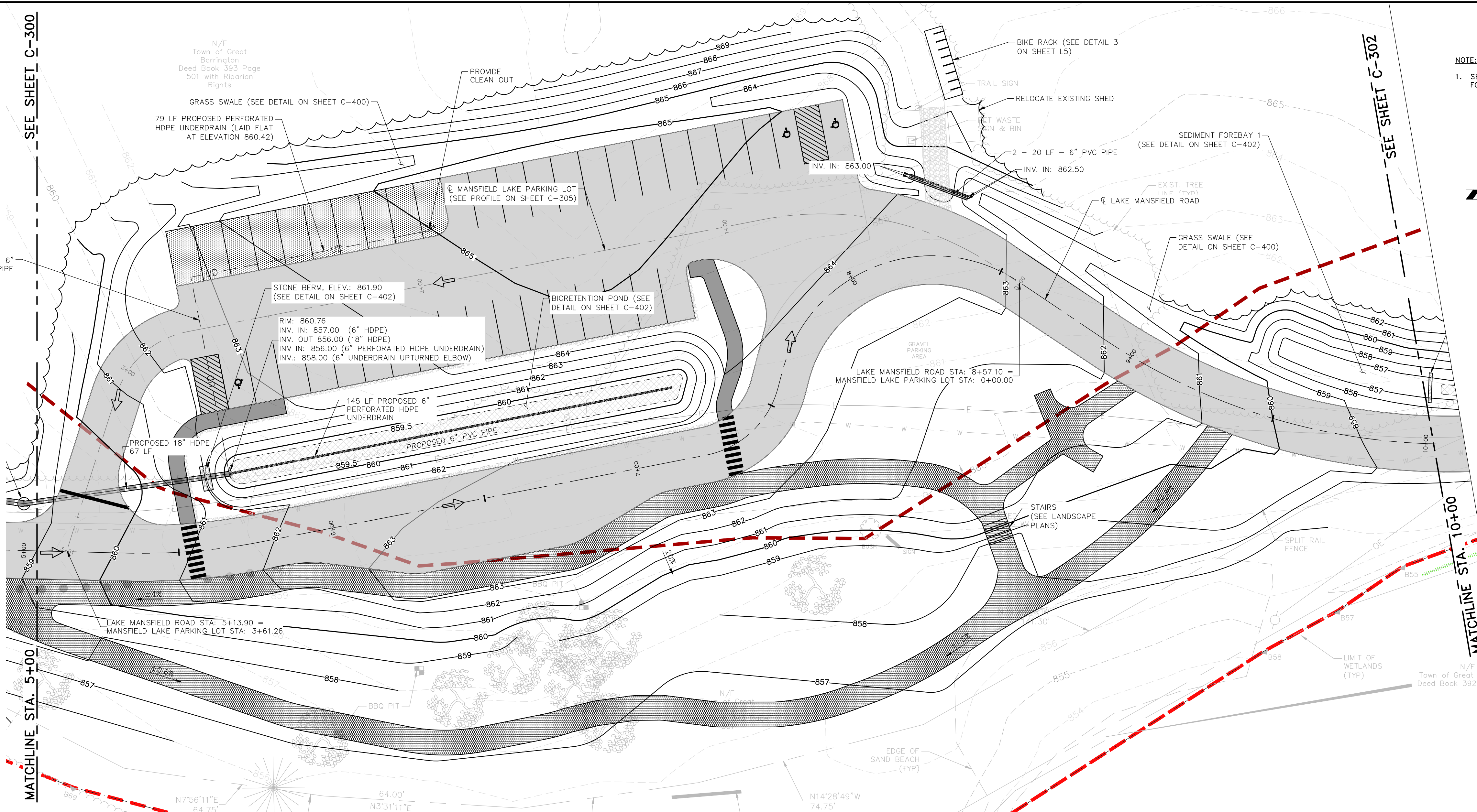
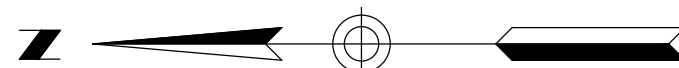
DRAWING NO:

**C-301**

SHEET: 12 OF 28

NOTE:

- SEE LANDSCAPE ARCHITECT PLAN  
FOR PLANTING PLAN.



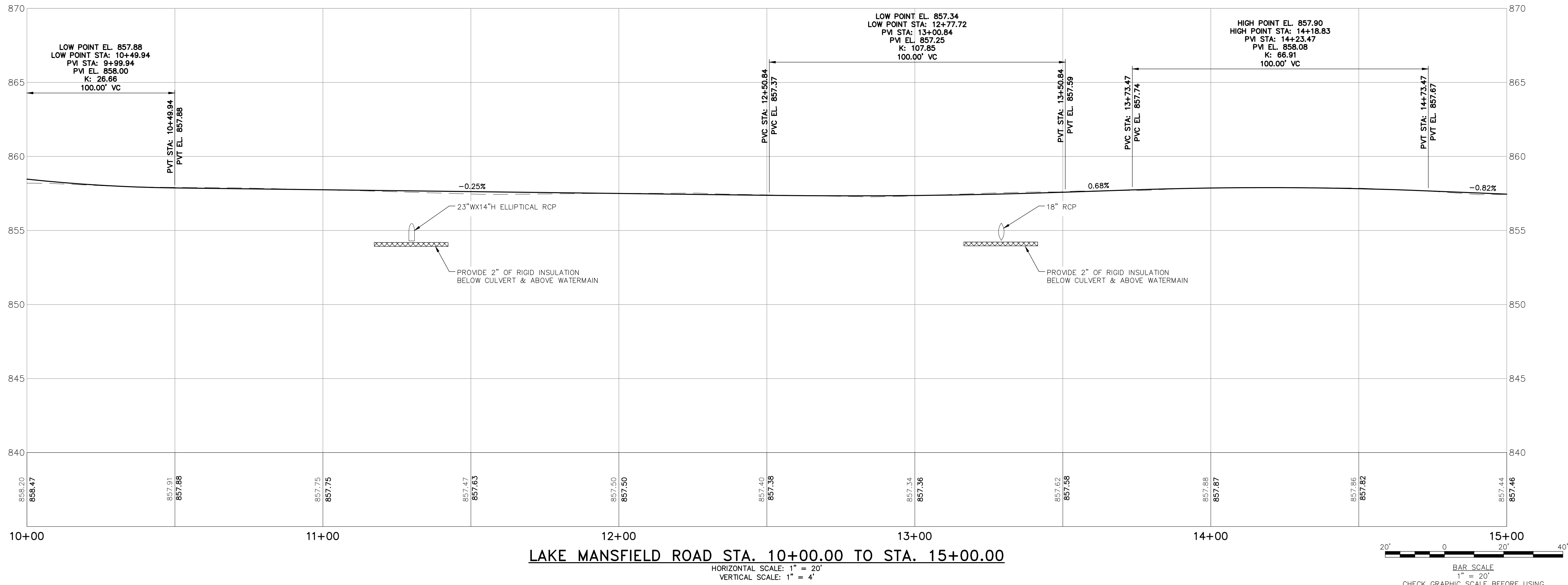
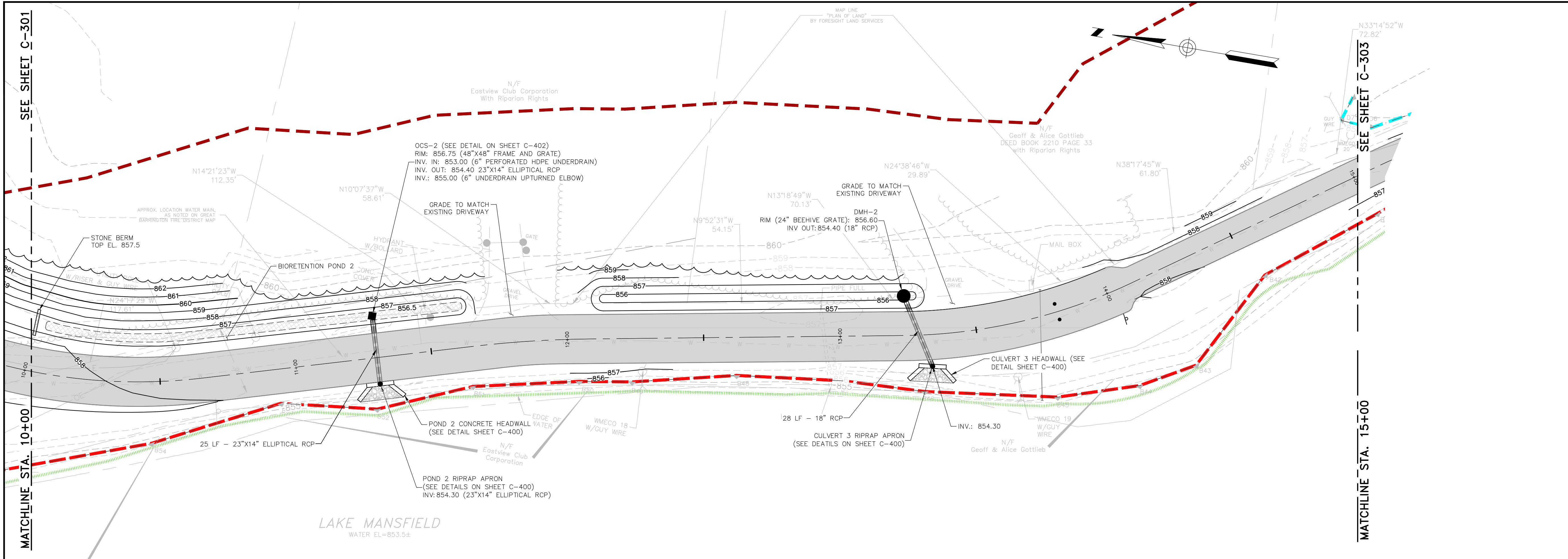
LAKE MANSFIELD ROAD STA. 5+00.00 TO STA. 10+00.00

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 4'



BAR SCALE  
1" = 20'  
CHECK GRAPHIC SCALE BEFORE USING



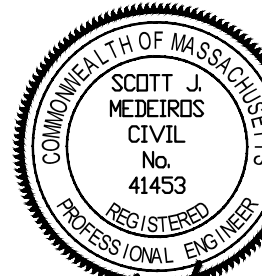


**Woodard  
& Curran**

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

THIS DOCUMENT IS THE PROPERTY OF  
WOODARD & CURRAN AND ITS CLIENT.  
REPRODUCTION OR MODIFICATION WITHOUT  
WRITTEN PERMISSION IS PROHIBITED.

PE SEAL:



#### ISSUED FOR CONSTRUCTION

CLIENT INFO:

TOWN OF GREAT BARRINGTON  
GREAT BARRINGTON,  
MASSACHUSETTS

LAKE MANSFIELD ROAD &  
PARKING AREA IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
-----	----------	-------------

JOB NO: 0229252.03

DATE: OCTOBER 2023

SCALE: 1"=20'

DESIGNED BY: SMK

DRAWN BY: SMK

CHECKED BY: MM

FILENAME: 022925203-C30X.dwg

DRAWING TITLE:

**CIVIL**  
**LAKE MANSFIELD ROAD PLAN**  
**AND PROFILE - 3**

DRAWING NO:

**C-302**

SHEET: 13 OF 28



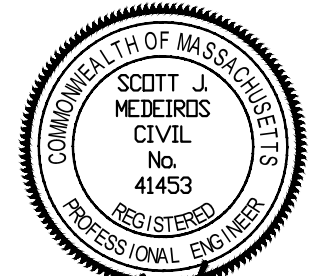


**Woodard  
& Curran**

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

THIS DOCUMENT IS THE PROPERTY OF  
WOODARD & CURRAN AND ITS CLIENT.  
REPRODUCTION OR MODIFICATION WITHOUT  
WRITTEN PERMISSION IS PROHIBITED.

PE SEAL:



#### ISSUED FOR CONSTRUCTION

CLIENT INFO:

TOWN OF GREAT BARRINGTON  
GREAT BARRINGTON,  
MASSACHUSETTS

LAKE MANSFIELD ROAD &  
PARKING AREA IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
-----	----------	-------------

JOB NO:	0229252.03
DATE:	OCTOBER 2023
SCALE:	1"=20'
DESIGNED BY:	SMK
DRAWN BY:	SMK
CHECKED BY:	MM
FILENAME:	022925203-C30X.dwg

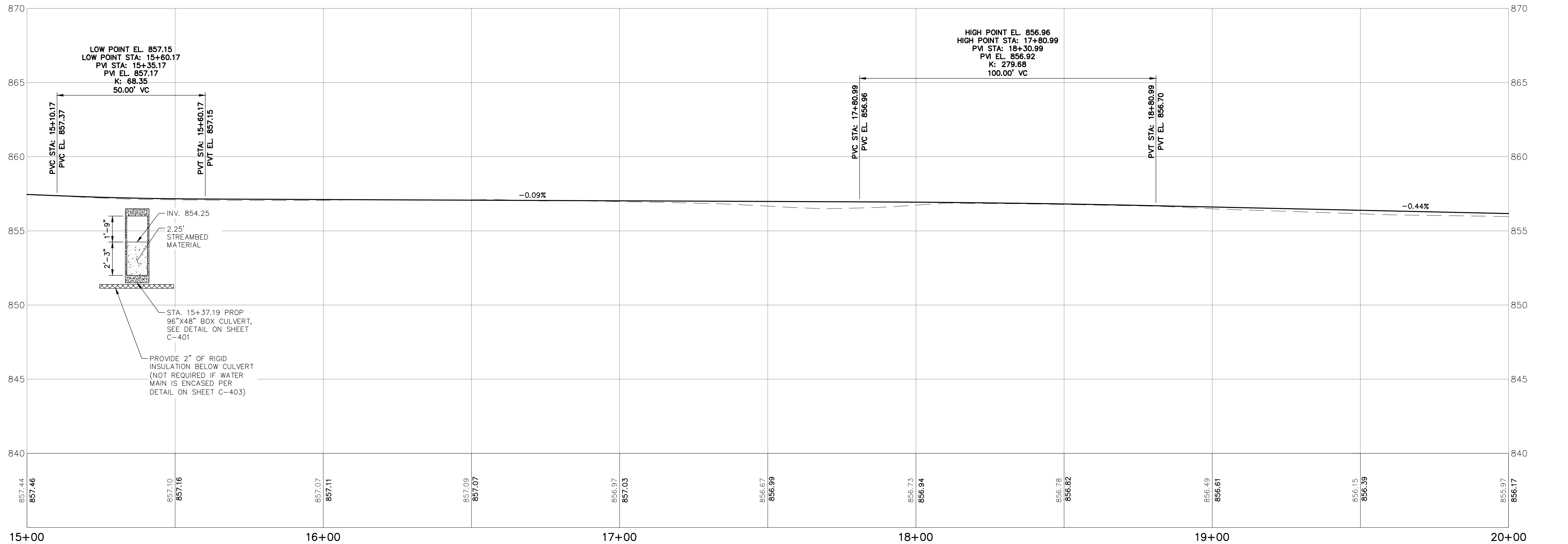
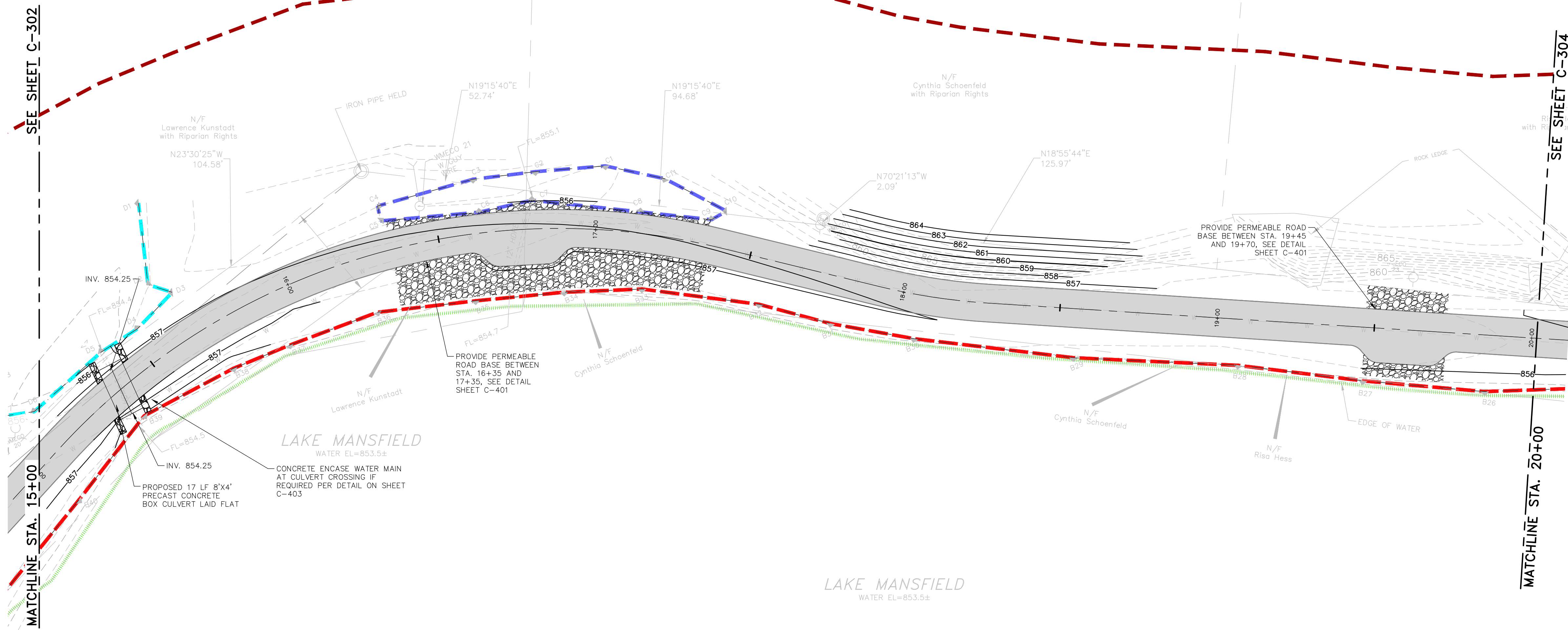
DRAWING TITLE:

**CIVIL**  
**LAKE MANSFIELD ROAD PLAN**  
**AND PROFILE - 4**

DRAWING NO:

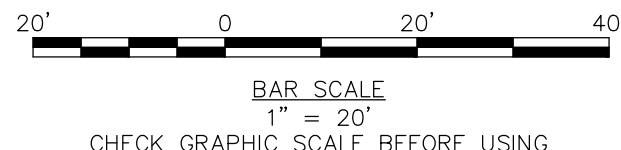
**C-303**

SHEET: 14 OF 28



**LAKE MANSFIELD ROAD STA. 15+00.00 TO STA. 20+00.00**

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 4'



CHECK GRAPHIC SCALE BEFORE USING



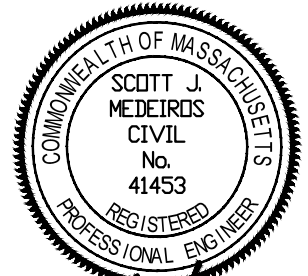


**Woodard  
& Curran**

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

THIS DOCUMENT IS THE PROPERTY OF  
WOODARD & CURRAN AND ITS CLIENT.  
REPRODUCTION OR MODIFICATION WITHOUT  
WRITTEN PERMISSION IS PROHIBITED.

PE SEAL:



**ISSUED FOR CONSTRUCTION**

CLIENT INFO:

TOWN OF GREAT BARRINGTON  
GREAT BARRINGTON,  
MASSACHUSETTS

LAKE MANSFIELD ROAD &  
PARKING AREA IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
-----	----------	-------------

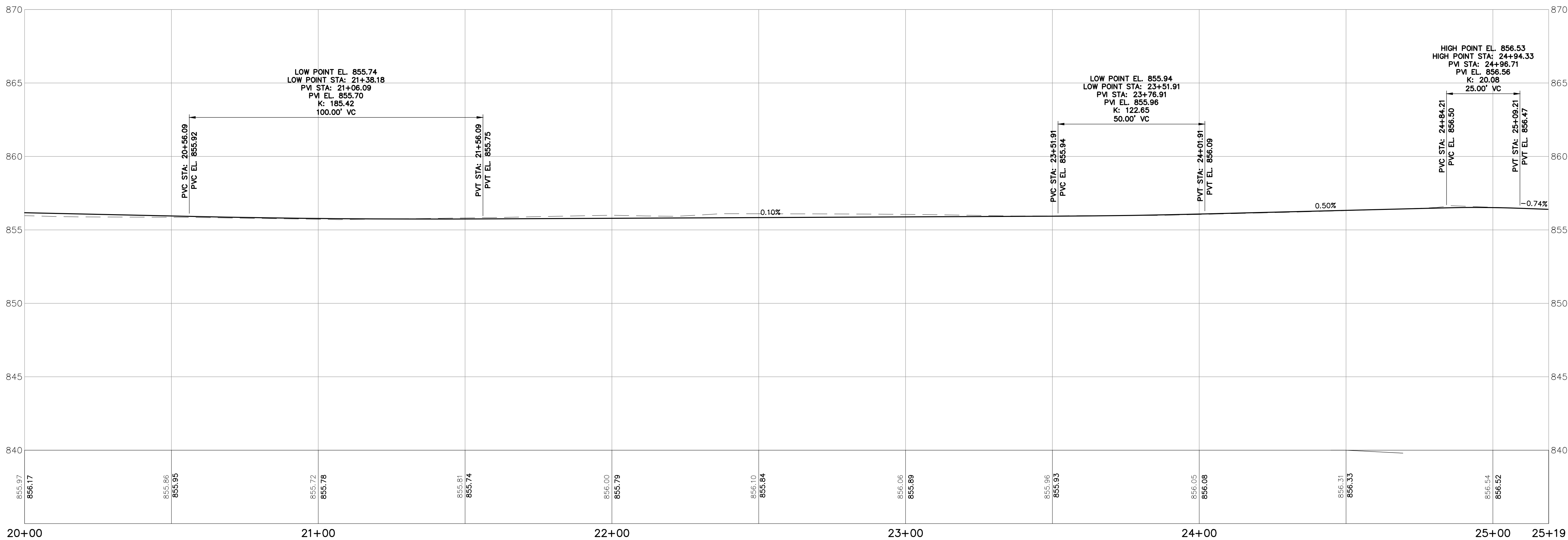
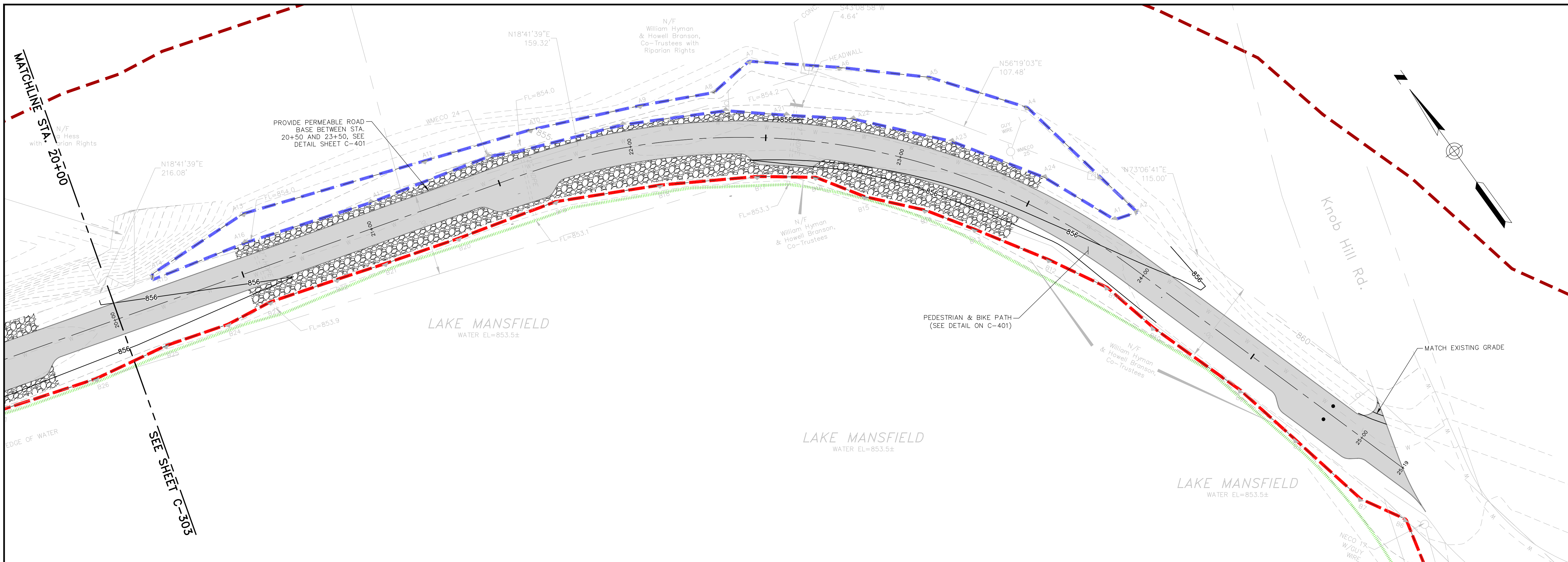
JOB NO:	0229252.03
DATE:	OCTOBER 2023
SCALE:	1"=20'
DESIGNED BY:	SMK
DRAWN BY:	SMK
CHECKED BY:	MM
FILENAME:	022925203-C30X.dwg

DRAWING TITLE:  
**CIVIL  
LAKE MANSFIELD ROAD PLAN  
AND PROFILE - 5**

DRAWING NO:

**C-304**

SHEET: 15 OF 28



**LAKE MANSFIELD ROAD STA. 20+00.00 TO STA. 25+00.00**

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 4'



BAR SCALE  
1" = 20'  
CHECK GRAPHIC SCALE BEFORE USING



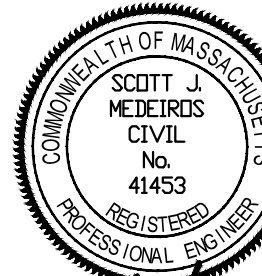


**Woodard  
& Curran**

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

THIS DOCUMENT IS THE PROPERTY OF  
WOODARD & CURRAN AND ITS CLIENT.  
REPRODUCTION OR MODIFICATION WITHOUT  
WRITTEN PERMISSION IS PROHIBITED.

PE SEAL:



**ISSUED FOR CONSTRUCTION**

CLIENT INFO:

TOWN OF GREAT BARRINGTON  
GREAT BARRINGTON,  
MASSACHUSETTS

LAKE MANSFIELD ROAD &  
PARKING AREA IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
-----	----------	-------------

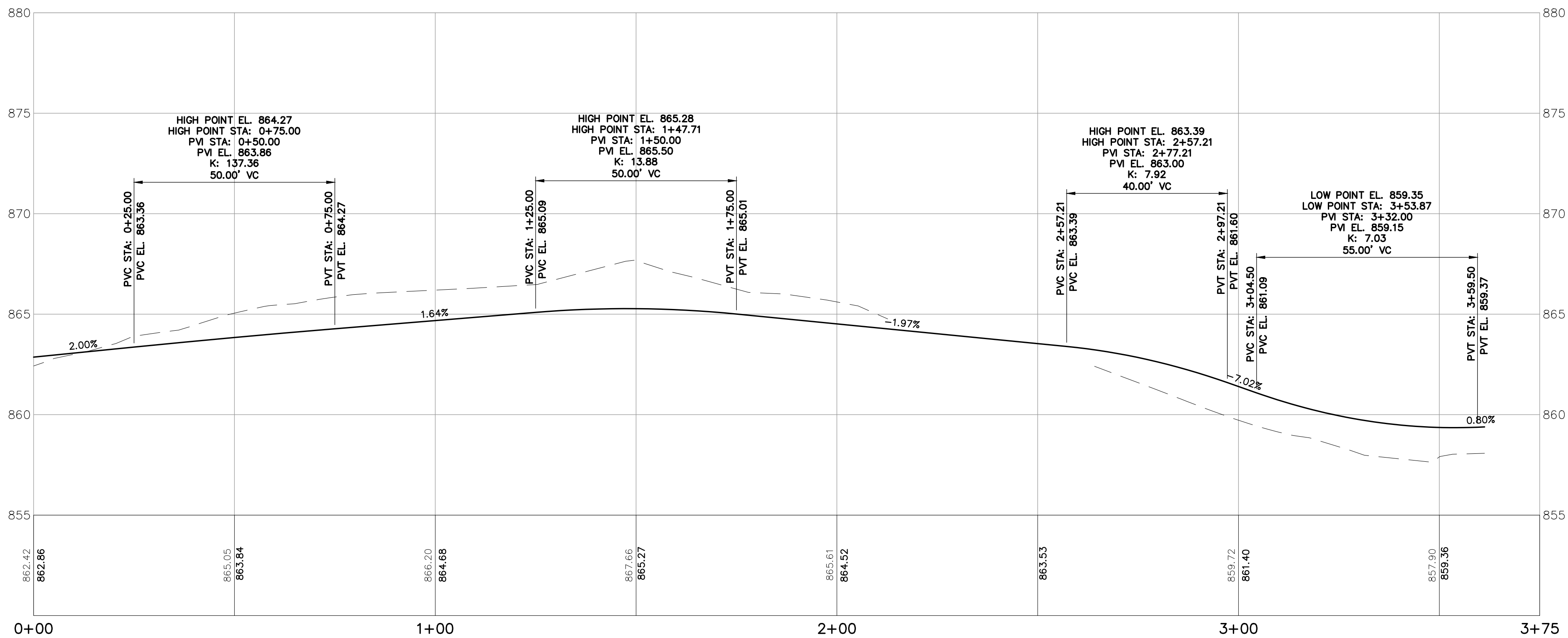
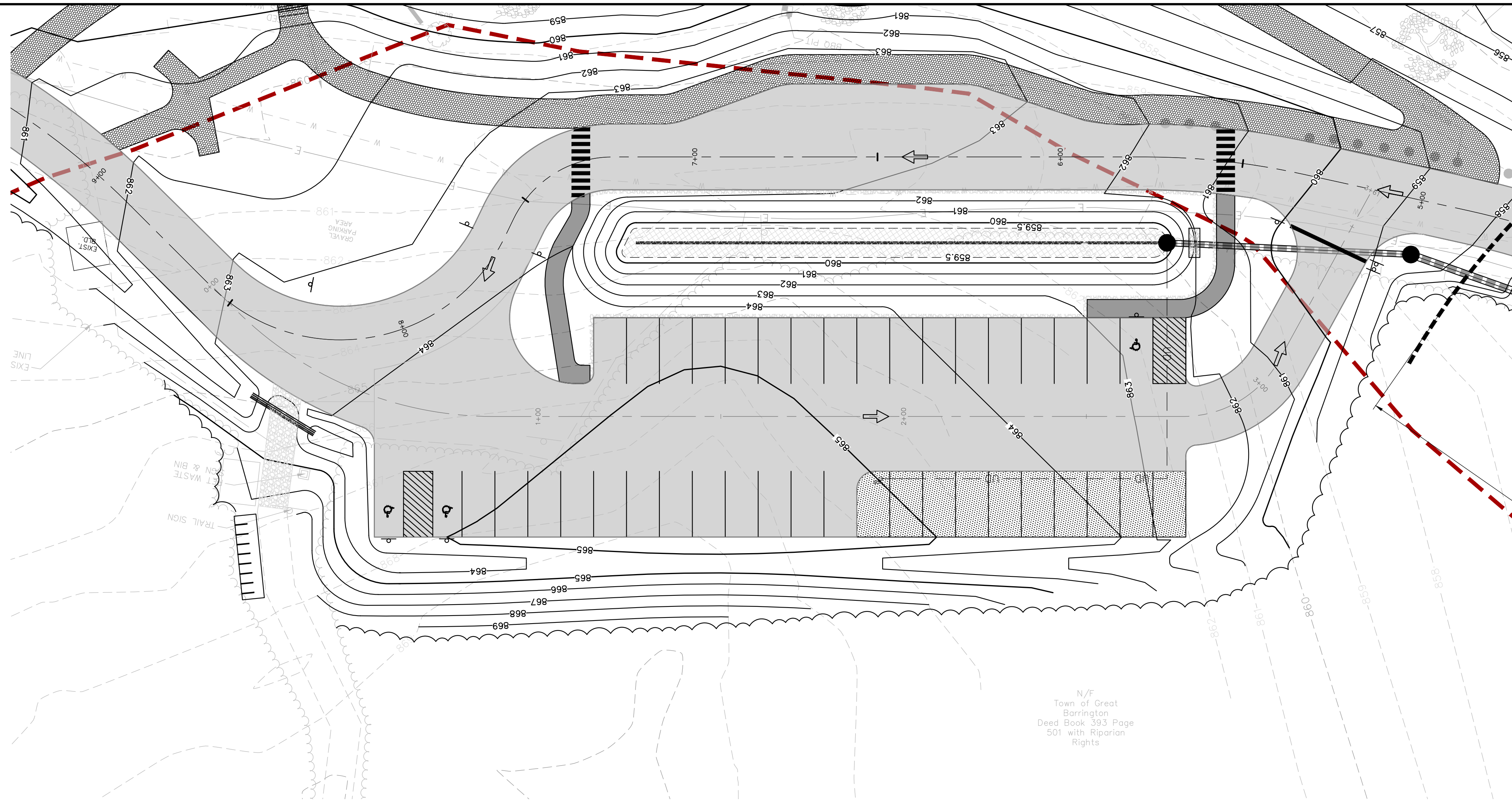
JOB NO:	0229252.03
DATE:	OCTOBER 2023
SCALE:	1"=20'
DESIGNED BY:	SMK
DRAWN BY:	SMK
CHECKED BY:	MM
FILENAME:	022925203-C30X.dwg

DRAWING TITLE:  
**CIVIL  
LAKE MANSFIELD PARKING LOT  
PLAN AND PROFILE - 6**

DRAWING NO:

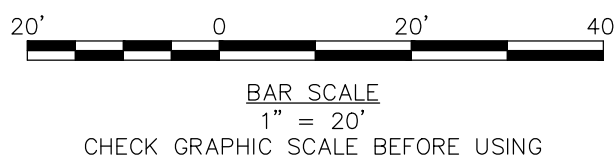
**C-305**

SHEET: 16 OF 28



**LAKE MANSFIELD ROAD STA. 0+00.00 TO STA. 5+00.00**

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 4'







**Woodard  
& Curran**

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

THIS DOCUMENT IS THE PROPERTY OF  
WOODARD & CURRAN AND ITS CLIENT.  
REPRODUCTION OR MODIFICATION WITHOUT  
WRITTEN PERMISSION IS PROHIBITED.

PE SEAL:



**ISSUED FOR CONSTRUCTION**

CLIENT INFO:

TOWN OF GREAT BARRINGTON  
GREAT BARRINGTON,  
MASSACHUSETTS

LAKE MANSFIELD ROAD &  
PARKING AREA IMPROVEMENTS

REV MM/DD/YY DESCRIPTION

JOB NO: 0229252.03

DATE: OCTOBER 2023

SCALE: 1"=20'

DESIGNED BY: SMK

DRAWN BY: SMK

CHECKED BY: MM

FILENAME: 022925203-C40X.dwg

DRAWING TITLE:

**CIVIL  
SITE DETAILS - 1**

DRAWING NO:

**C-400**

SHEET: 17 OF 28

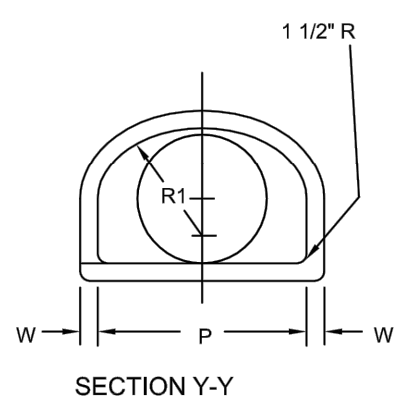
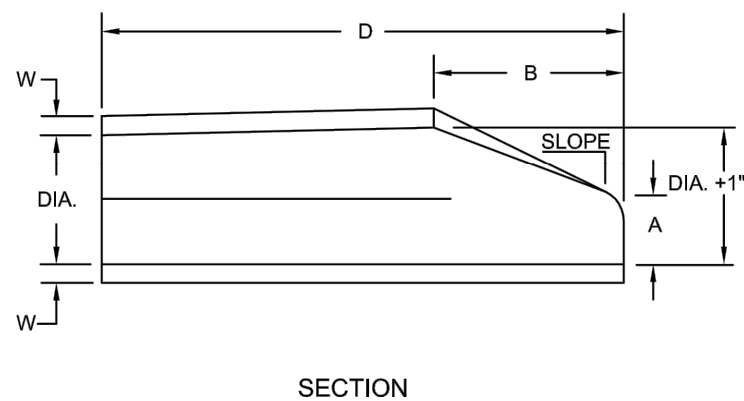
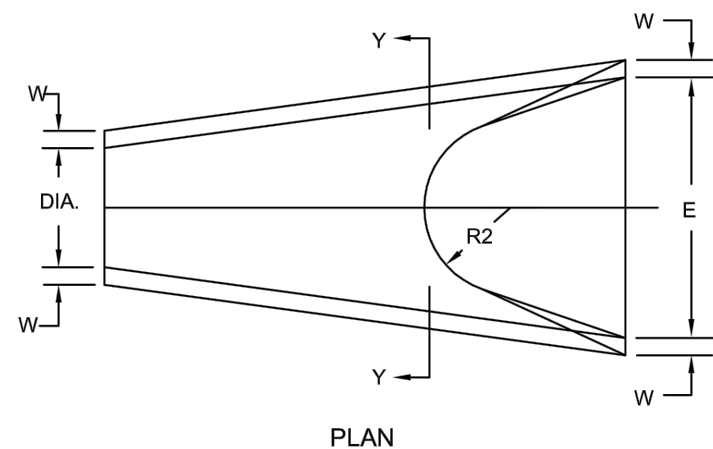
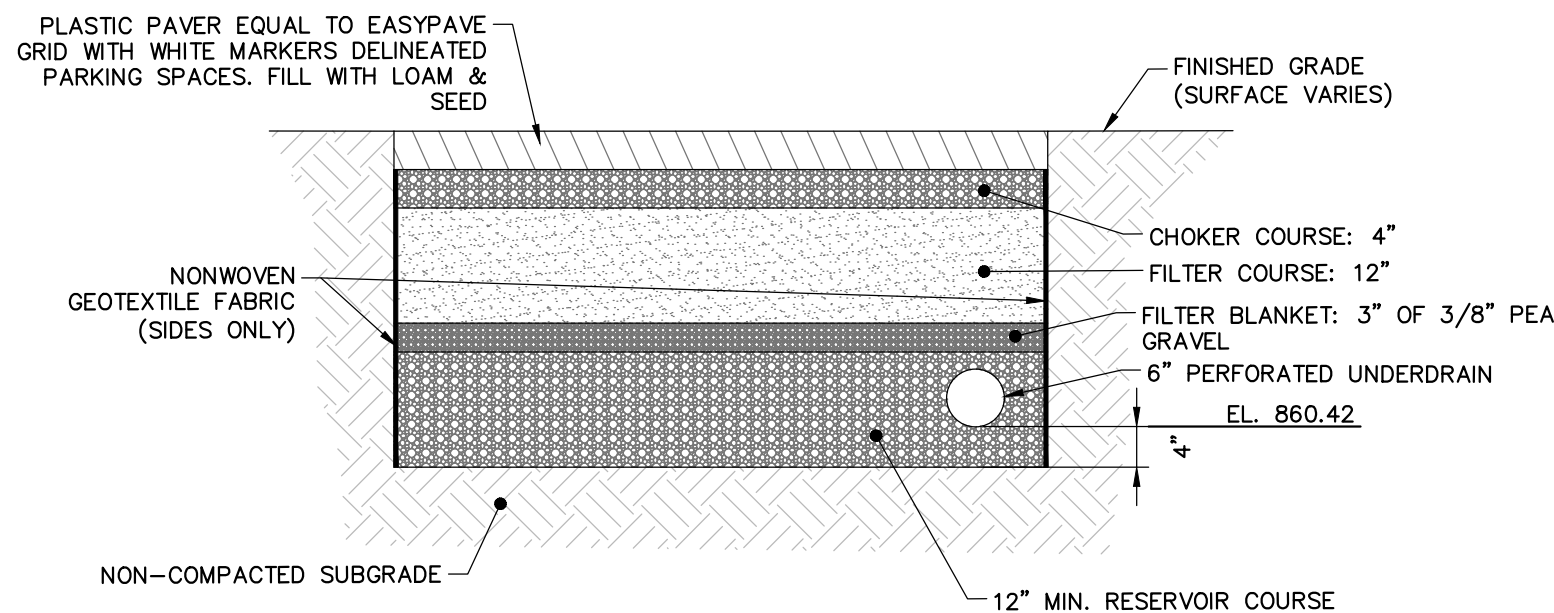


TABLE  
[ALL DIMENSIONS ARE inches OR feet]

DIAMETER Inch	W	A	B	D	E	P	DIA. +1"	R1	R2	SLOPE
18"	2 1/2"	9"	2'-3"	6'-0"	3'-0"	29"	19"	15 1/2"	12"	1V: 3H

**REINFORCED CONCRETE PIPE FLARED ENDS**

NOT TO SCALE

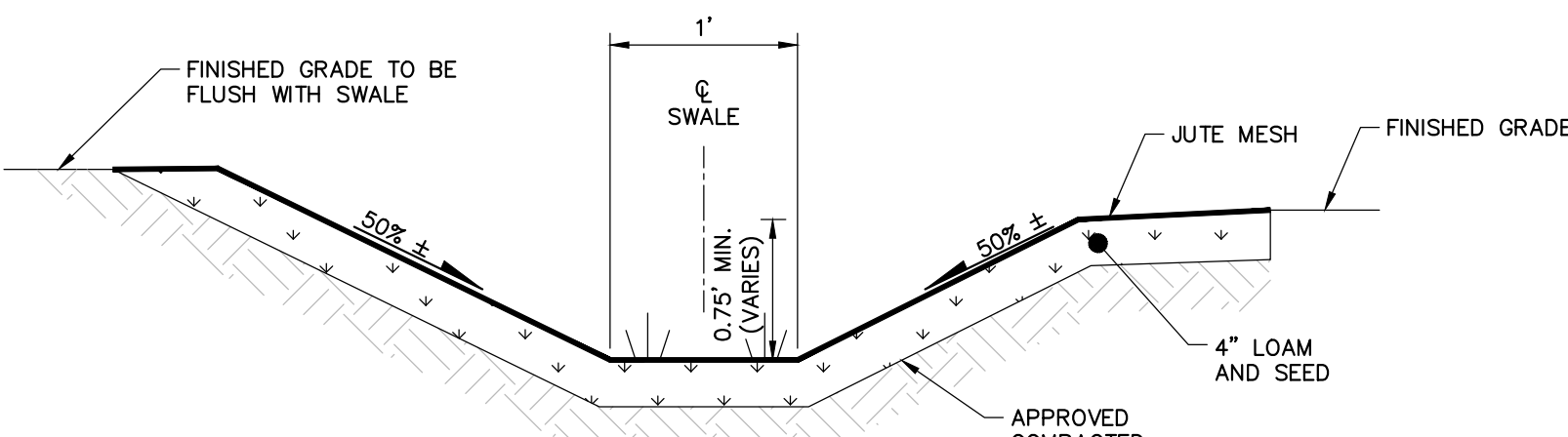


**NOTE:**

1. PLASTIC PAVERS SHALL BE EQUAL TO EASYPAVE GRID WITH WHITE PAVER MARKING SYSTEM DELINEATING PARKING SPACES. FILL WITH LOAM & SEED.
2. PAVER SHALL NOT BE CONSTRUCTED ON COMPACTED SUBGRADE. TILL & SCARIFY SUBGRADE 12 INCHES BELOW BOTTOM OF RESERVOIR LAYER.
3. UNDERDRAIN SHALL BE LAID FLAT.
4. SEE SPECIFICATION FOR AGGREGATE MATERIAL SPECIFICATIONS.
5. UNDERDRAIN PIPE SHALL BE SINGLE WALL HDPE PERFORATED PIPE AS MANUFACTURED BY ADS OR APPROVED EQUAL.

**PERMEABLE PARKING AREA**

NOT TO SCALE

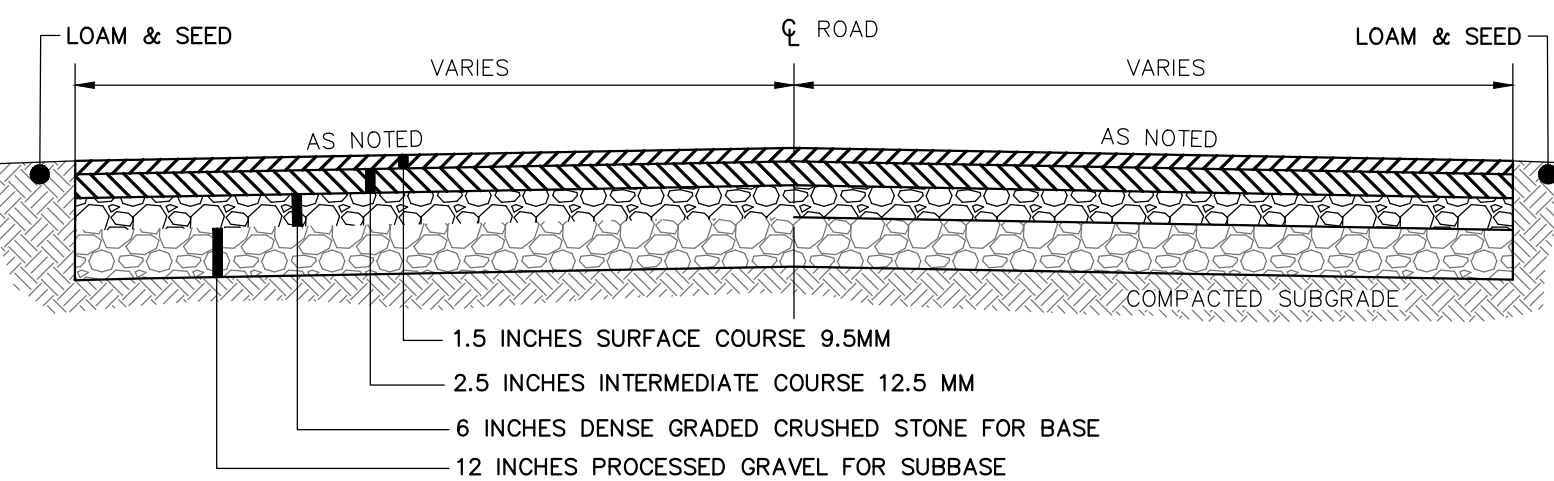


**NOTES:**

1. FOR SWALE SLOPES EXCEEDING 8% JUTE MESH SHALL BE UTILIZED TO STABILIZE THE SWALE BASE.
2. AREA ADJACENT TO SWALE TO BE BROUGHT TO FINISHED GRADE IMMEDIATELY AS REQUIRED, TOPSOILED, SEEDED AND MAINTAINED FOR EROSION CONTROL.
3. JUTE MESH TO BE ROLLMAX ERONET S150 OR EQUAL.

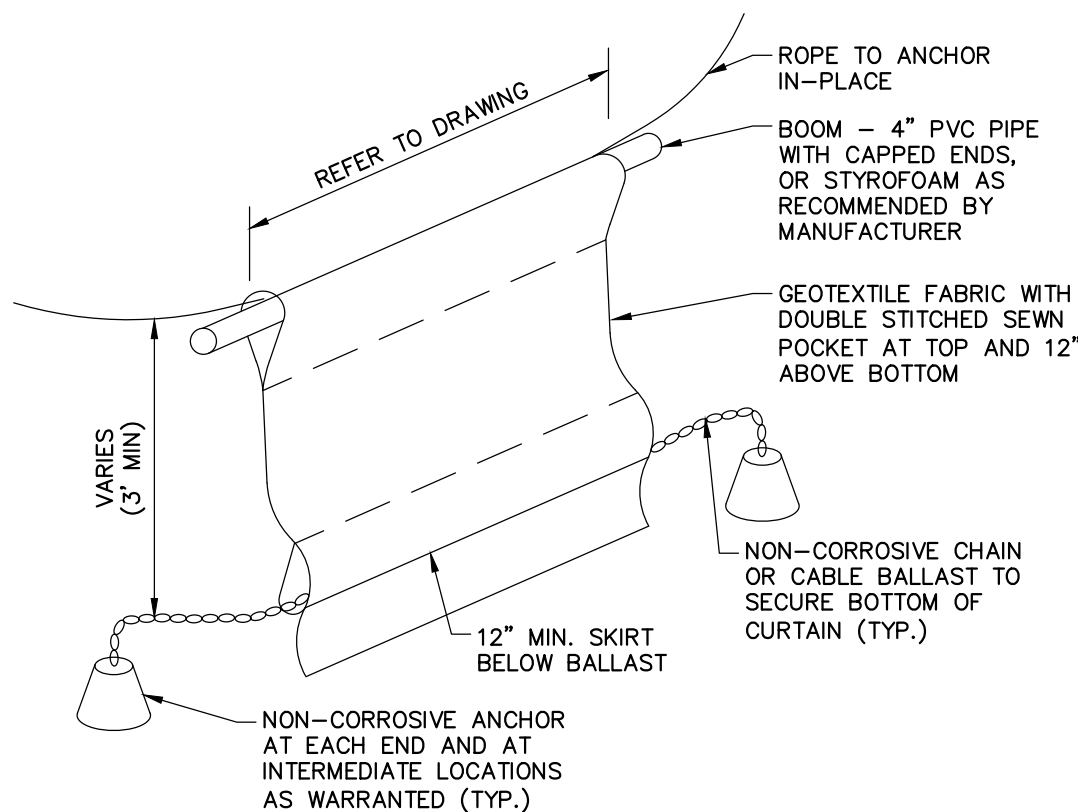
**GRASS SWALE**

NOT TO SCALE



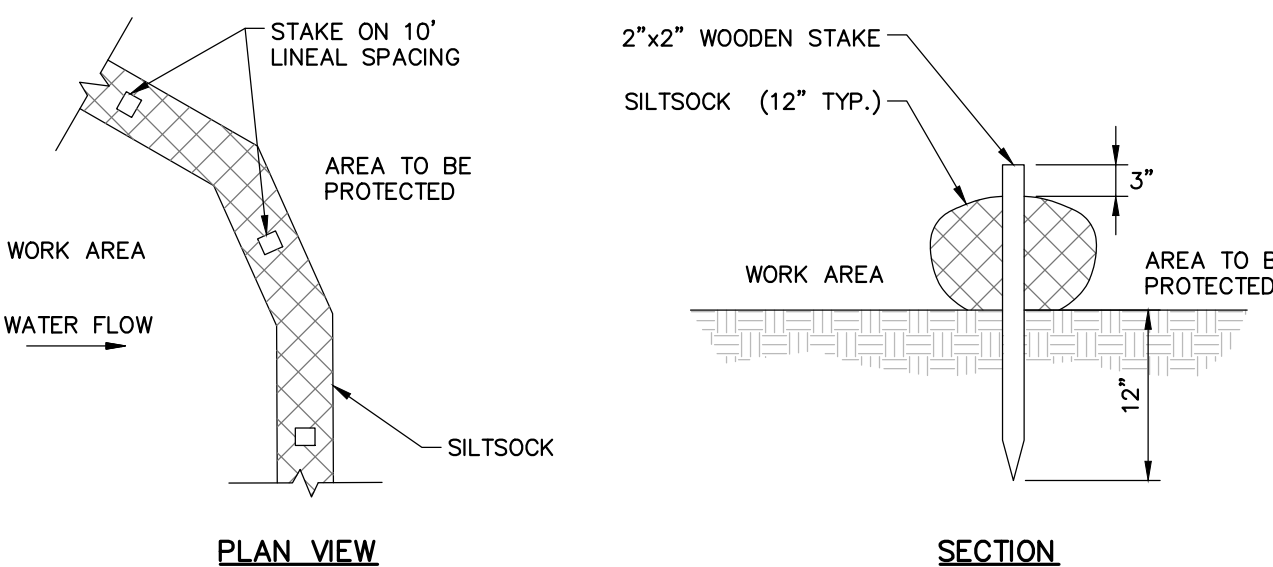
**FULL DEPTH BITUMINOUS PAVEMENT (PARKING AREA)**

NOT TO SCALE



**TURBIDITY CURTAIN**

NOT TO SCALE

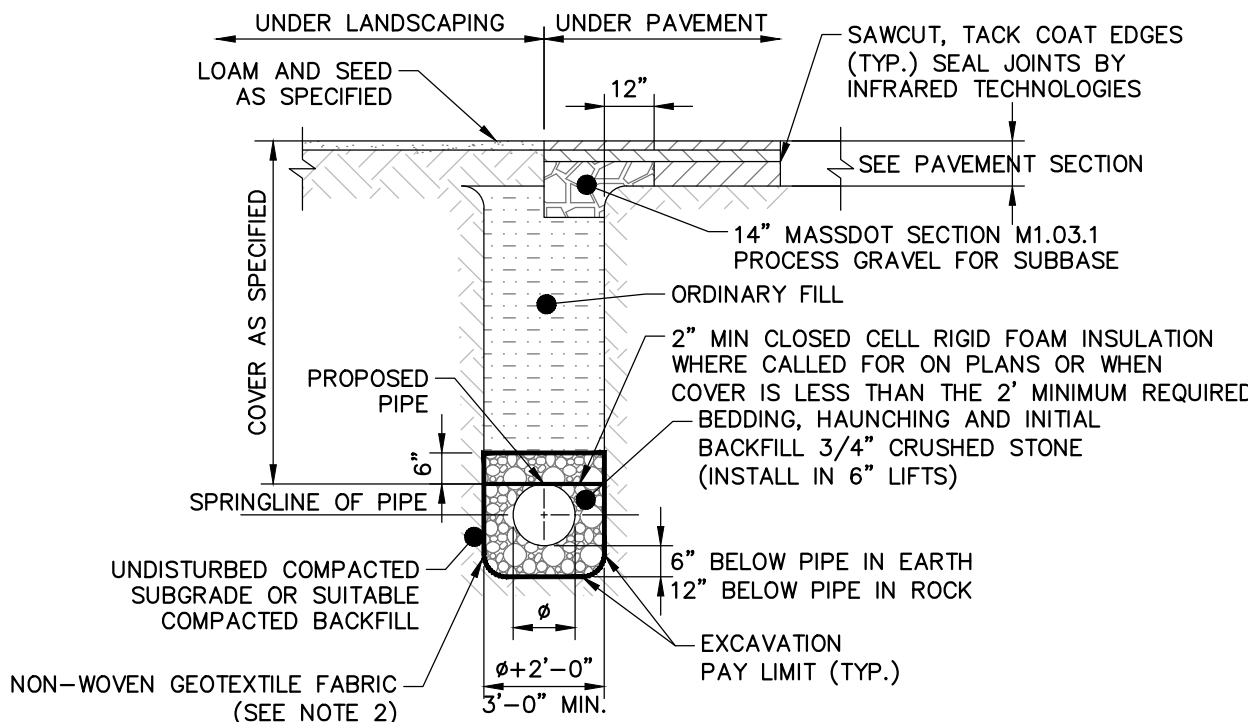


**NOTE:**

1. WHEN STAKING IS NOT POSSIBLE, HEAVY CONCRETE BLOCKS SHALL BE USED BEHIND THE SEDIMENT CONTROL TO HELP STABILIZE DURING RAINFALL/RUNOFF EVENTS.

**EROSION CONTROL BARRIER**

NOT TO SCALE

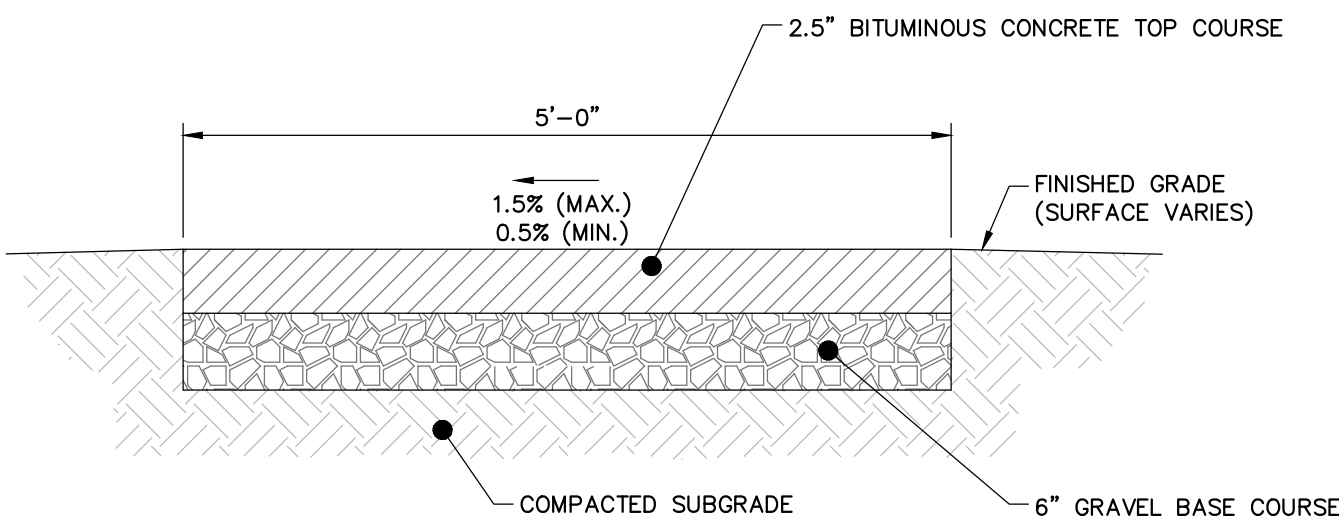


**NOTES:**

1. BEDDING, HAUNCHING AND BACKFILL SHALL BE COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS.
2. NON-WOVEN GEOTEXTILE SHALL BE INSTALLED AS SHOWN WHEN FINE SANDS, SILT, CLAY OR ORGANIC MATERIALS ARE ENCOUNTERED AT THE TRENCH BOTTOM.

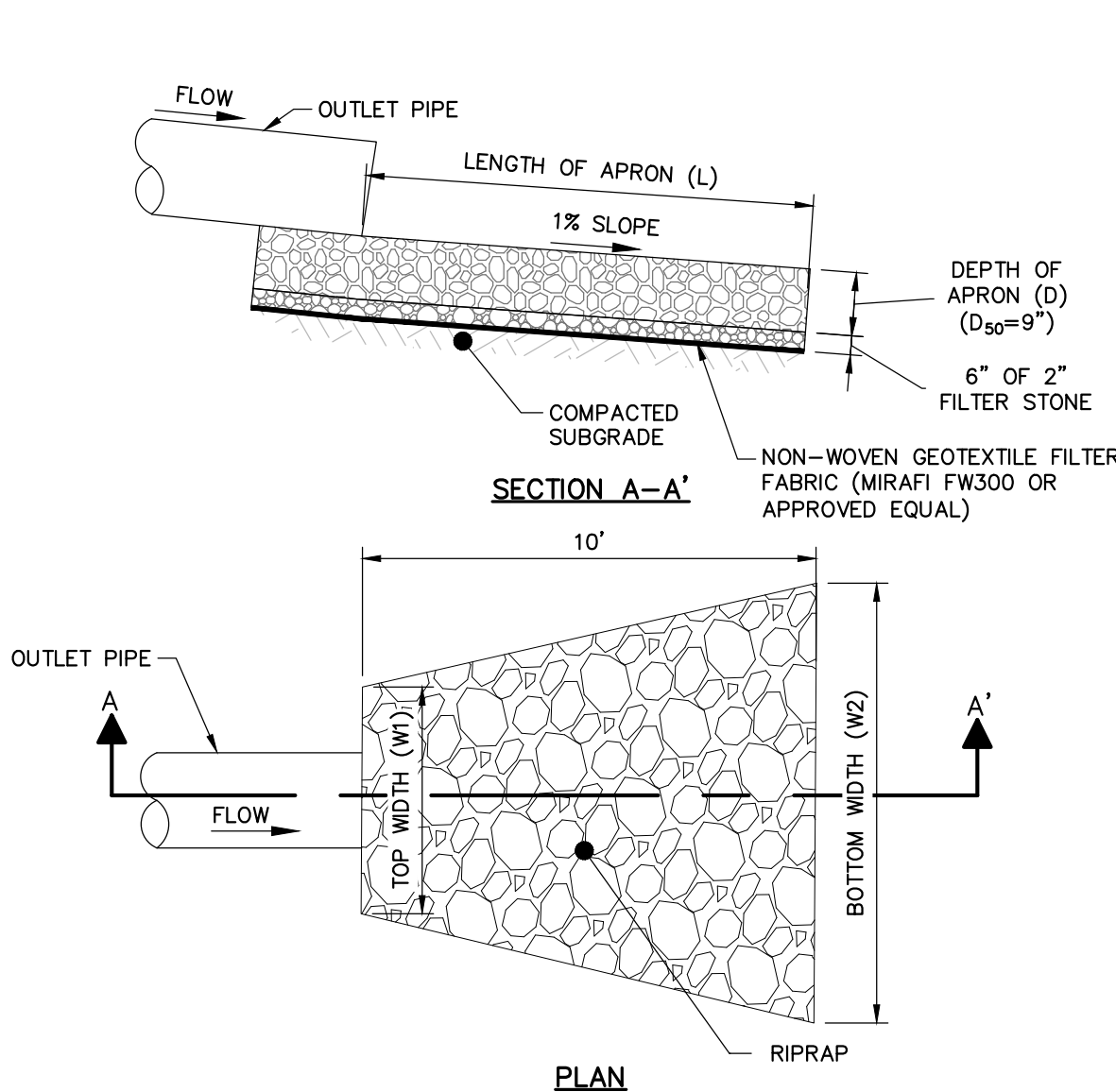
**DRAINAGE PIPE TRENCH**

NOT TO SCALE



**BITUMINOUS CONCRETE SIDEWALK**

NOT TO SCALE

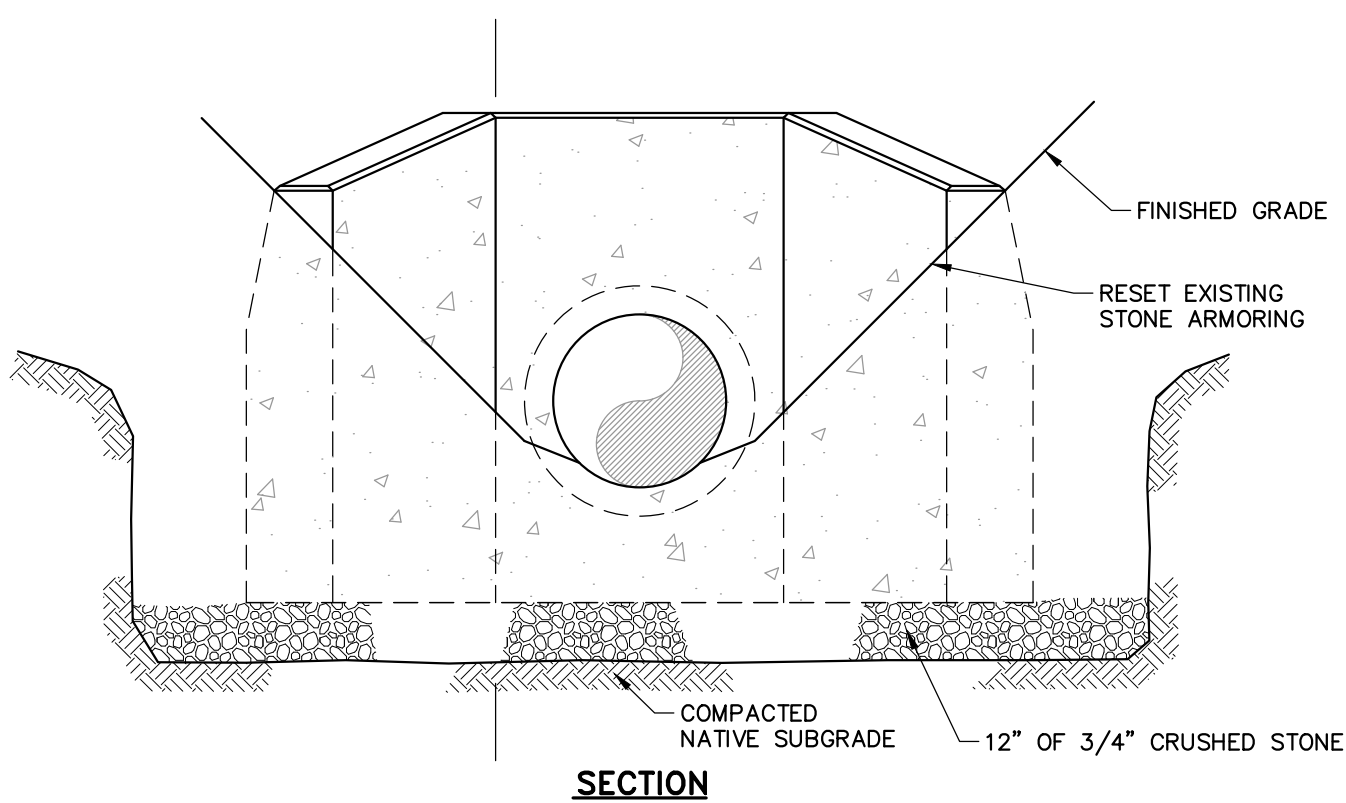
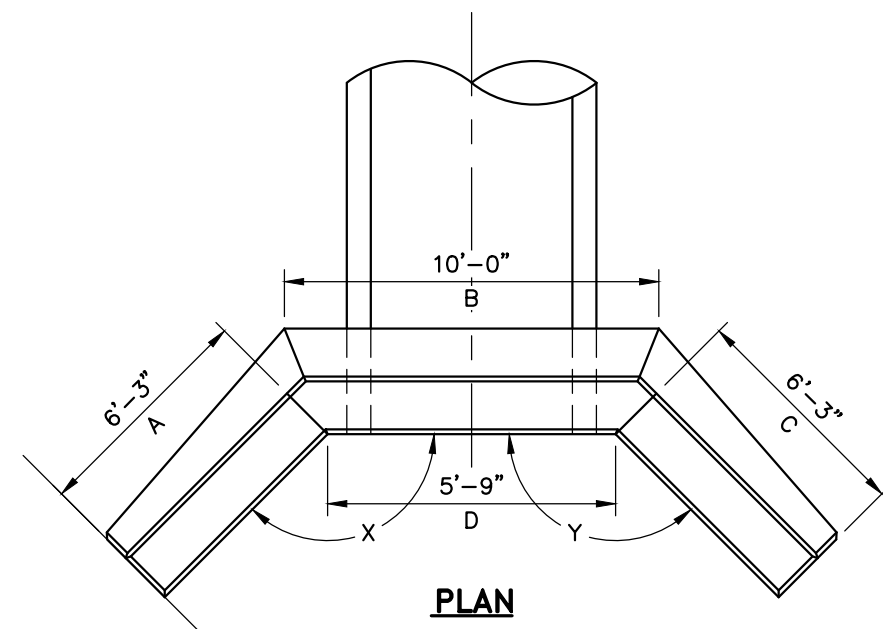


RIPRAP APRON SIZING SCHEDULE			
COMPONENT	POND 1	POND 2	CULVERT 3
APRON LENGTH (L)	10'	10'	10'
APRON TOP WIDTH (W1)	5.0'	5.8'	5.0'
APRON BOTTOM WIDTH (W2)	11.2'	12.4'	11.2'

**RIPRAP APRON**

NOT TO SCALE

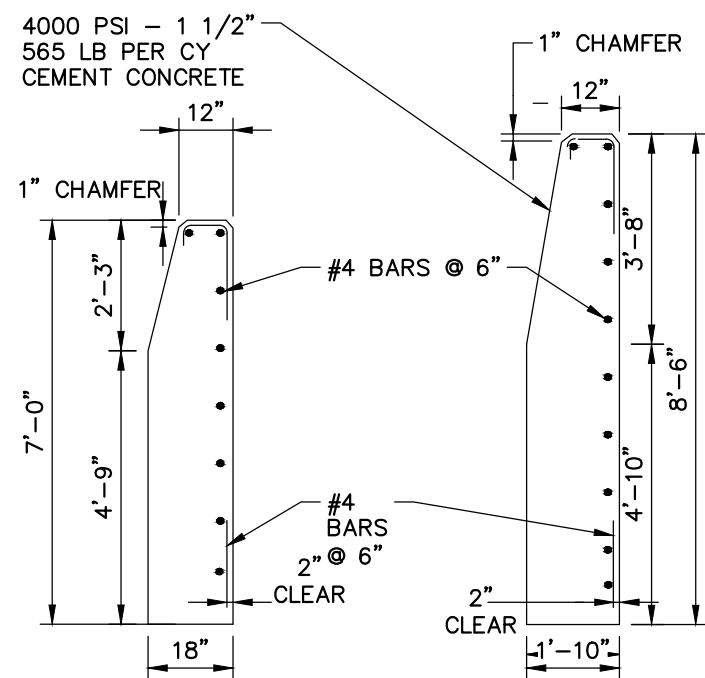
CONCRETE HEADWALL SCHEDULE								
CULVERT NAME	CULVERT SIZE	DIMENSIONS				DIMENSIONS		NOTES
		A	B	C	D	X	Y	
POND 2	23"x14" RCP	10'-0"	6'-3"	6'-3"	5'-9"	135	135	
CULVERT 3	18" RCP	10'-0"	6'-3"	6'-3"	5'-9"	135	135	



**SECTION**

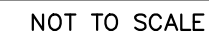
**CONCRETE HEADWALL**

NOT TO SCALE



**CONCRETE ENDS**







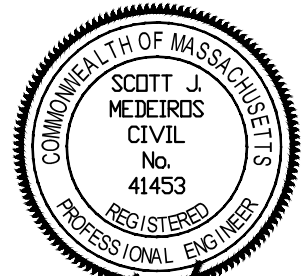


**Woodard  
& Curran**

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

THIS DOCUMENT IS THE PROPERTY OF  
WOODARD & CURRAN AND ITS CLIENT.  
REPRODUCTION OR MODIFICATION WITHOUT  
WRITTEN PERMISSION IS PROHIBITED.

PE SEAL:



**ISSUED FOR CONSTRUCTION**

CLIENT INFO:

TOWN OF GREAT BARRINGTON  
GREAT BARRINGTON,  
MASSACHUSETTS

LAKE MANSFIELD ROAD &  
PARKING AREA IMPROVEMENTS

REV MM/DD/YY DESCRIPTION

JOB NO: 0229252.03

DATE: OCTOBER 2023

SCALE: 1"=20'

DESIGNED BY: SMK

DRAWN BY: SMK

CHECKED BY: MM

FILENAME: 022925203-C40X.dwg

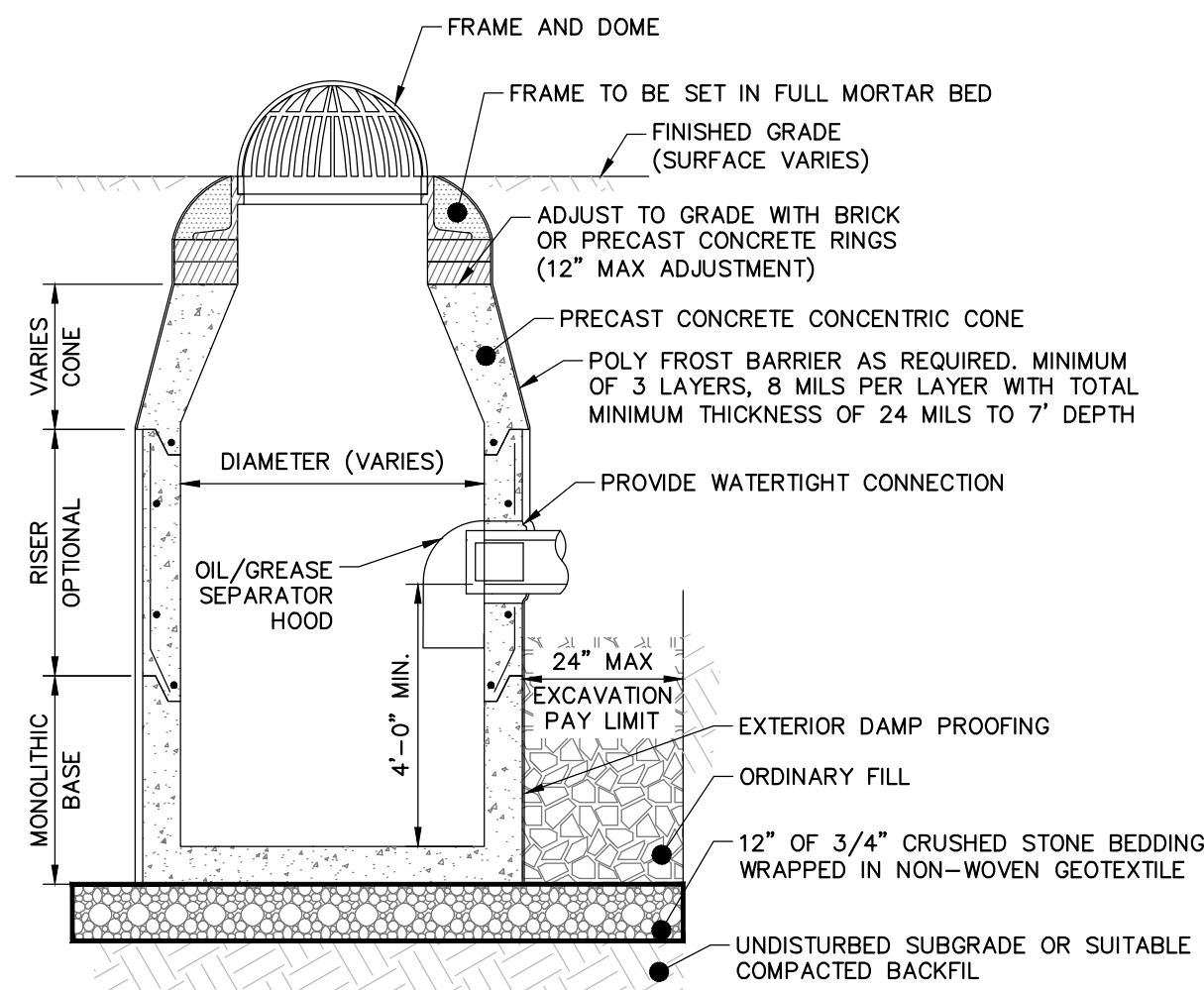
DRAWING TITLE:

**CIVIL  
SITE DETAILS - 3**

DRAWING NO:

**C-402**

SHEET: 19 OF 28

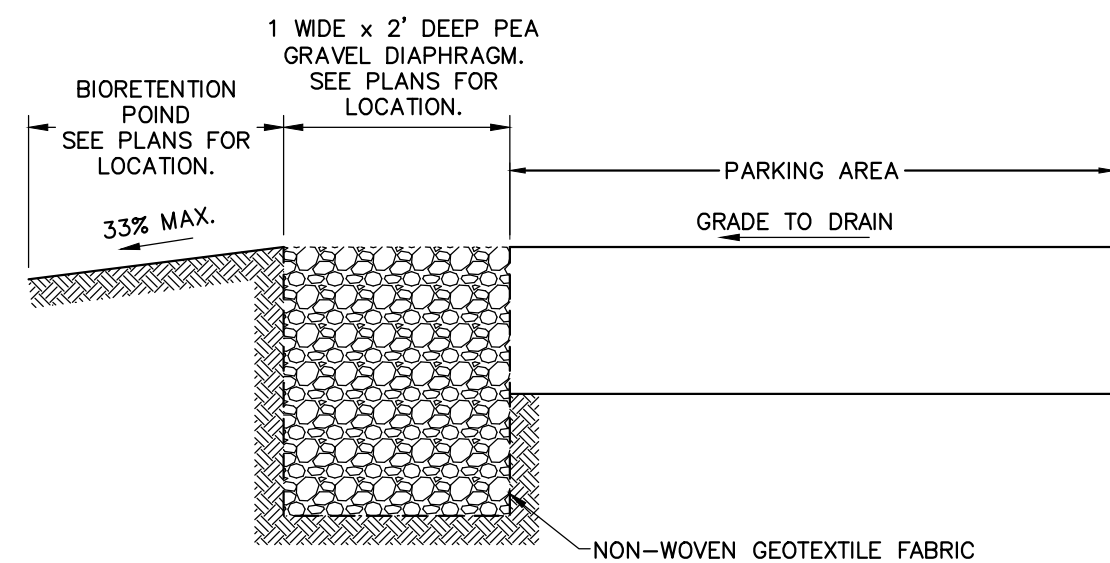


**NOTES:**

1. PRECAST CONCRETE STRUCTURES AND CASTINGS SHALL BE SUITABLE FOR HS-20 LOADINGS.
2. PRECAST CONCRETE STRUCTURES SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C-478.
3. ALTERNATE TOP SLAB MAY BE USED AS DICTATED BY DESIGN AND/OR FIELD CONDITIONS.
4. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE BUTYL RUBBER.
5. PROVIDE MINIMUM 24" DIAMETER OPENING.
6. PROVIDE ANTI-FLOATATION SLAB EXTENSION AS REQUIRED TO SATISFY ANTI-FLOATATION REQUIREMENTS.

**PRECAST DEEP SUMP CONCRETE CATCH BASIN**

NOT TO SCALE



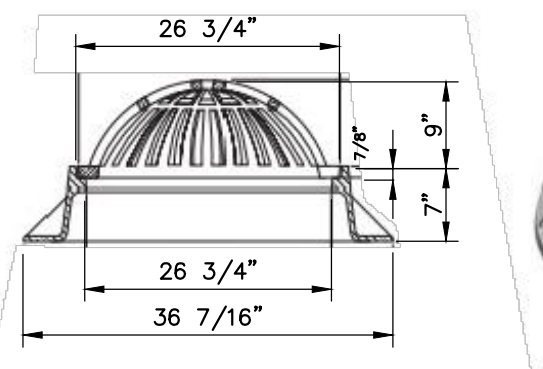
**PEA GRAVEL DIAPHRAGM**

NOT TO SCALE

**R-2561  
Inlet Frame, Beehive Grate**

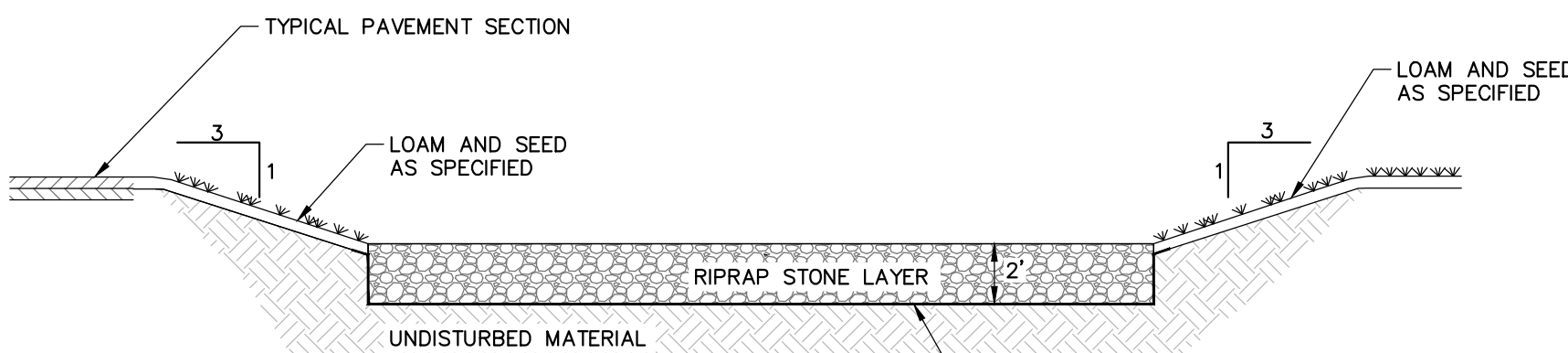
CATALOG NUMBER	GRATE TYPE	SO. FT. OPEN	WEIR PERIMETER (LINEAL FEET)
R-2561	Beehive	2.0	6.7

Available List R-1733



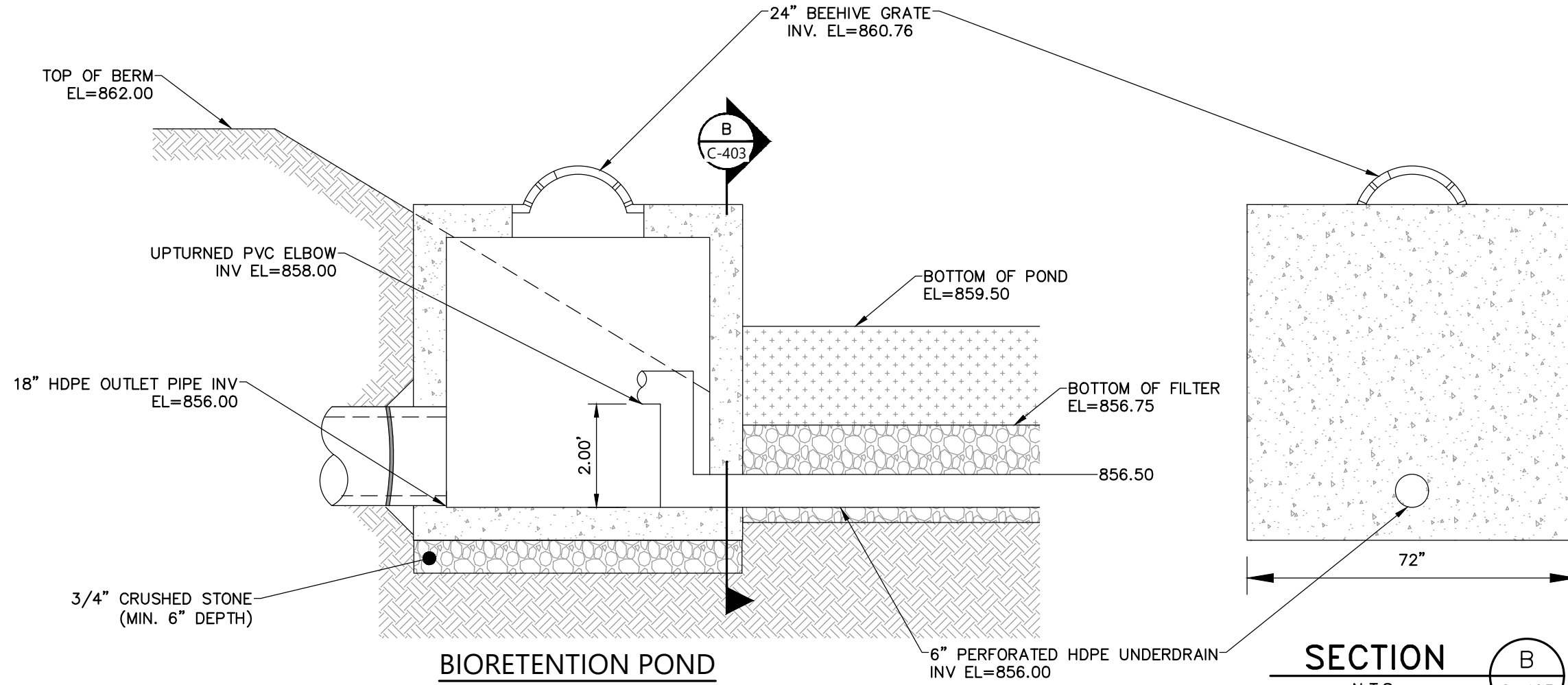
**BEEHIVE GRATE**

NOT TO SCALE



**SEDIMENT FOREBAY**

NOT TO SCALE



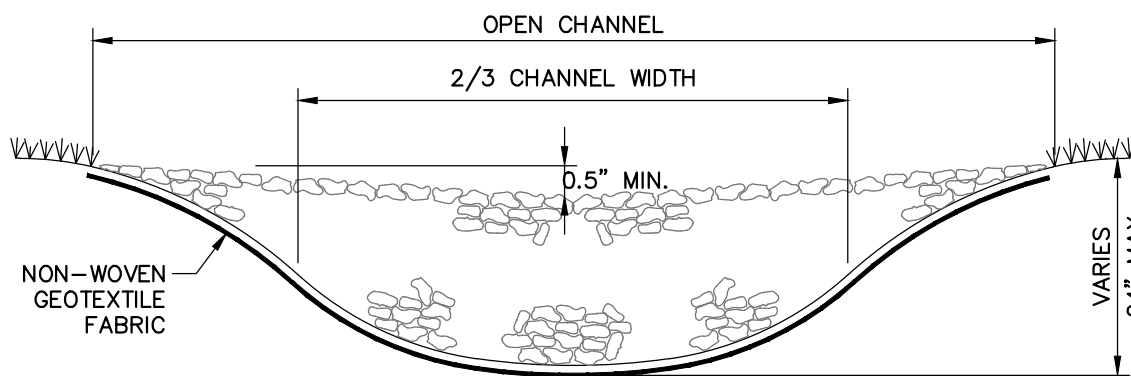
**BIORETENTION POND  
ELEVATION VIEW**

**NOTES:**

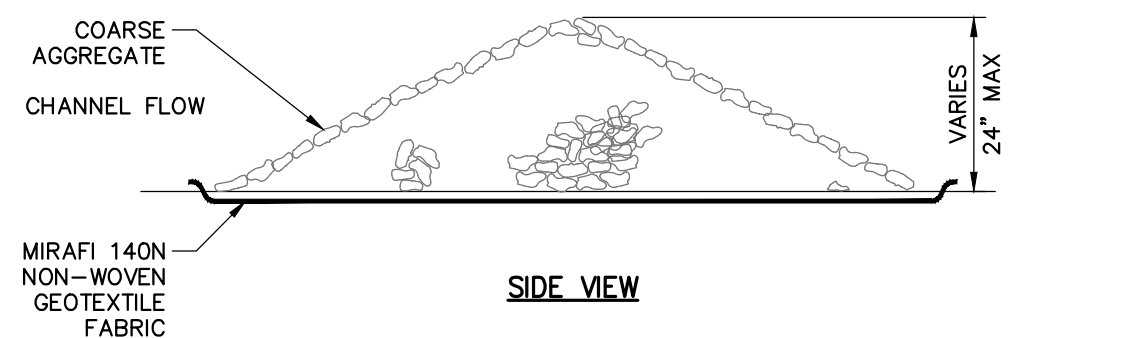
1. ALL SECTIONS SHALL BE 4,000 PSI CONCRETE (TYPE II CEMENT)
2. STRUCTURE SHALL BE DESIGNED FOR HS-20 LOADING.
3. ALL JOINTS ON STRUCTURE AND PIPING SHALL BE WATERTIGHT.
4. CONTRACTOR TO DESIGN AND INSTALL ANTI-FLOATATION MEASURES AS NEEDED.

**OUTLET CONTROL STRUCTURE - 1**

N.T.S.



**FRONT VIEW**



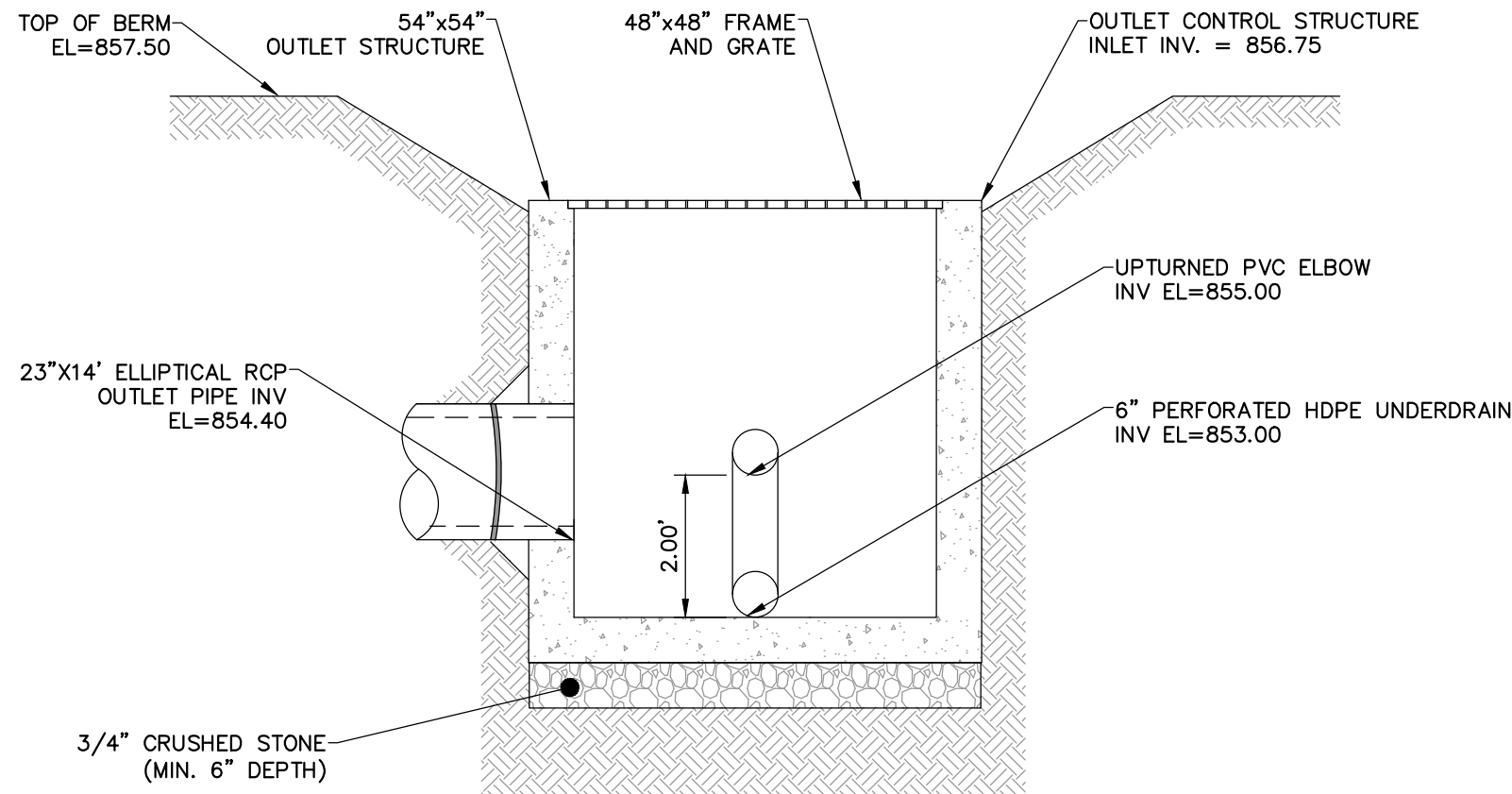
**SIDE VIEW**

**NOTES:**

1. REPLACE OR REPAIR CHECK DAM WITHIN TWENTY-FOUR (24) HOURS OF OBSERVED FAILURE.
2. MAXIMUM SLOPE IS 2:1.

**STONE BERM**

NOT TO SCALE



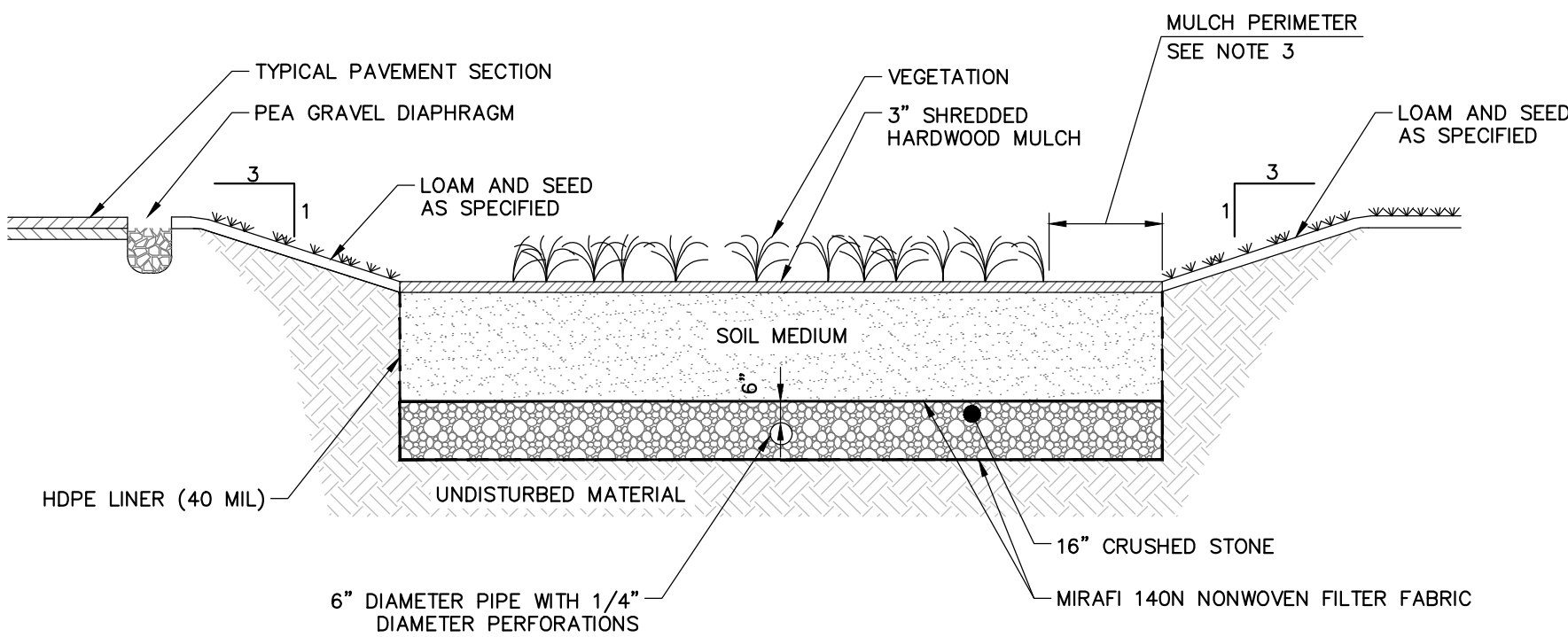
**POND 2 ELEVATION VIEW**

**NOTES:**

1. ALL SECTIONS SHALL BE 4,000 PSI CONCRETE (TYPE II CEMENT)
2. STRUCTURE SHALL BE DESIGNED FOR HS-20 LOADING.
3. ALL JOINTS ON STRUCTURE AND PIPING SHALL BE WATERTIGHT.
4. CONTRACTOR TO DESIGN AND INSTALL ANTI-FLOATATION MEASURES AS NEEDED.

**OUTLET CONTROL STRUCTURE - 2**

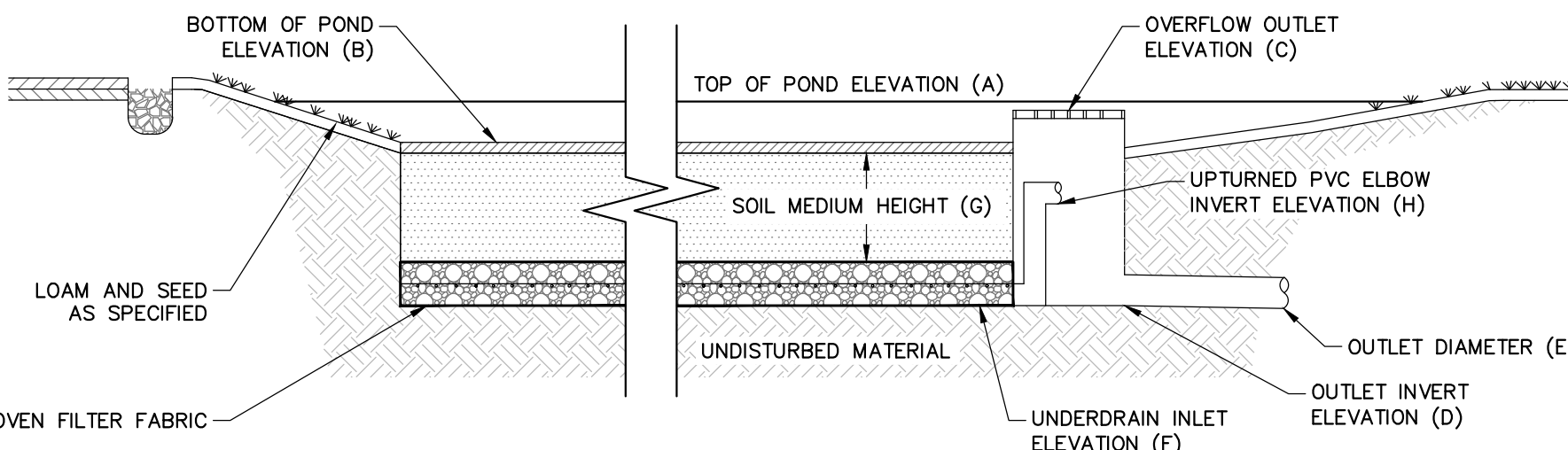
N.T.S.



BIO-RETENTION POND SCHEDULE		
COMPONENT	BRP-1	BRP-2
TOP OF POND EL. (A)	862.00	857.50
BOTTOM OF POND EL. (B)	859.50	856.50
OVERFLOW OUTLET EL. (C)	860.76	856.60
OUTLET INVERT EL. (D)	856.00	854.40
OUTLET DIAMETER (E)	18"	23"x14"
UNDERDRAIN INVERT EL. (F)	856.00	853.00
SOIL MEDIUM HEIGHT (G)	2.75'	1.50'
UPTURNED PVC ELBOW INVERT EL. (H)	858.00	855.00

**NOTES:**

1. IF UNSUITABLE MATERIAL IS OBSERVED BELOW THE POND DEPTH, AT A MINIMUM IT SHALL BE REMOVED TO A DEPTH OF TWO FEET AND REPLACED WITH CLEAN SAND AND THE ENGINEER SHOULD BE NOTIFIED.
2. SOIL WITHIN BIO-RETENTION AREA TO BE PLACED, DO NOT COMPACT, LIFTS TO BE LIGHTLY WATERED TO ENCOURAGE NATURAL COMPACTION.
3. BIO-RETENTION POND 1 TO HAVE 30" WIDE MULCH PERIMETER. BIO-RETENTION POND 2 WILL NOT HAVE A MULCH PERIMETER.


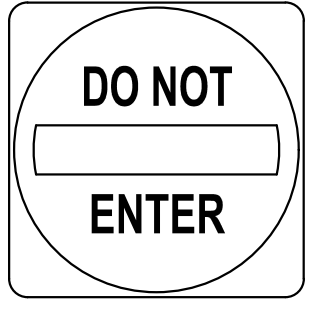








**BIO-RETENTION POND**

NOT TO SCALE

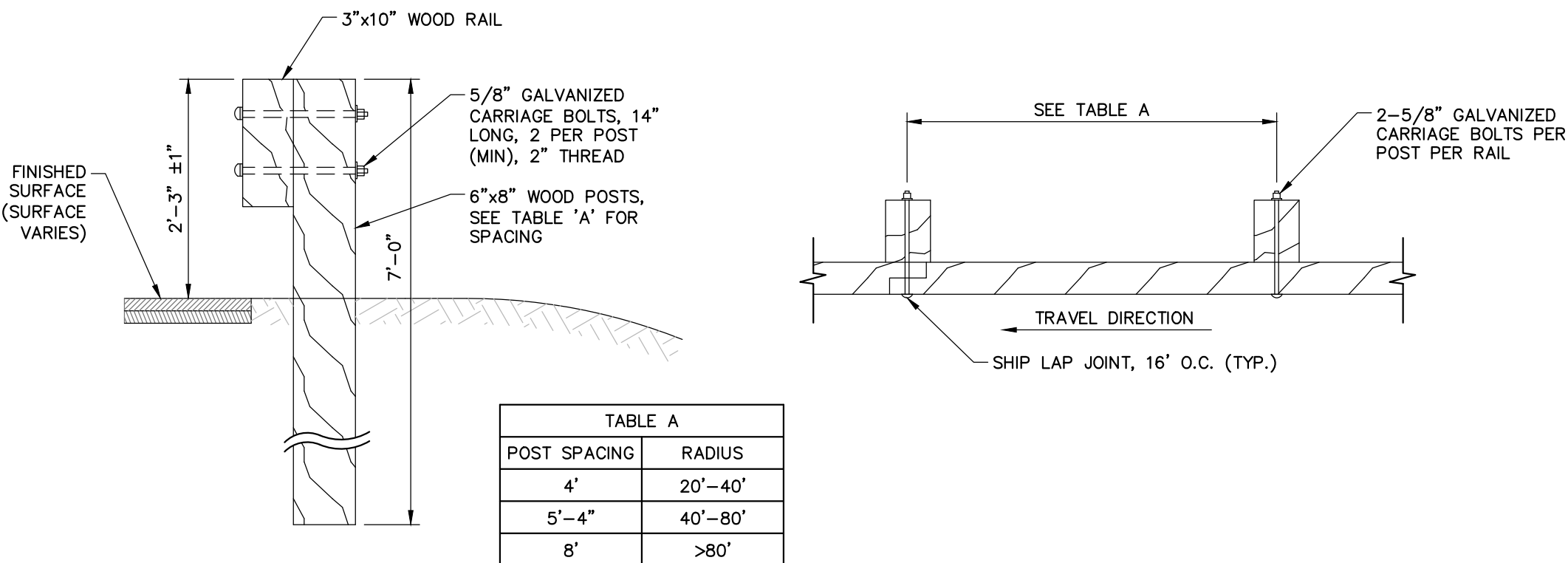


\\woodardcurran.net\shared\Projects\022925203\_Great Barrington MA - Lake Mansfield Rec. Imp\wp\Drawings\Civil\022925203-C403.dwg, Oct 13, 2023 - 2:16pm KDOV

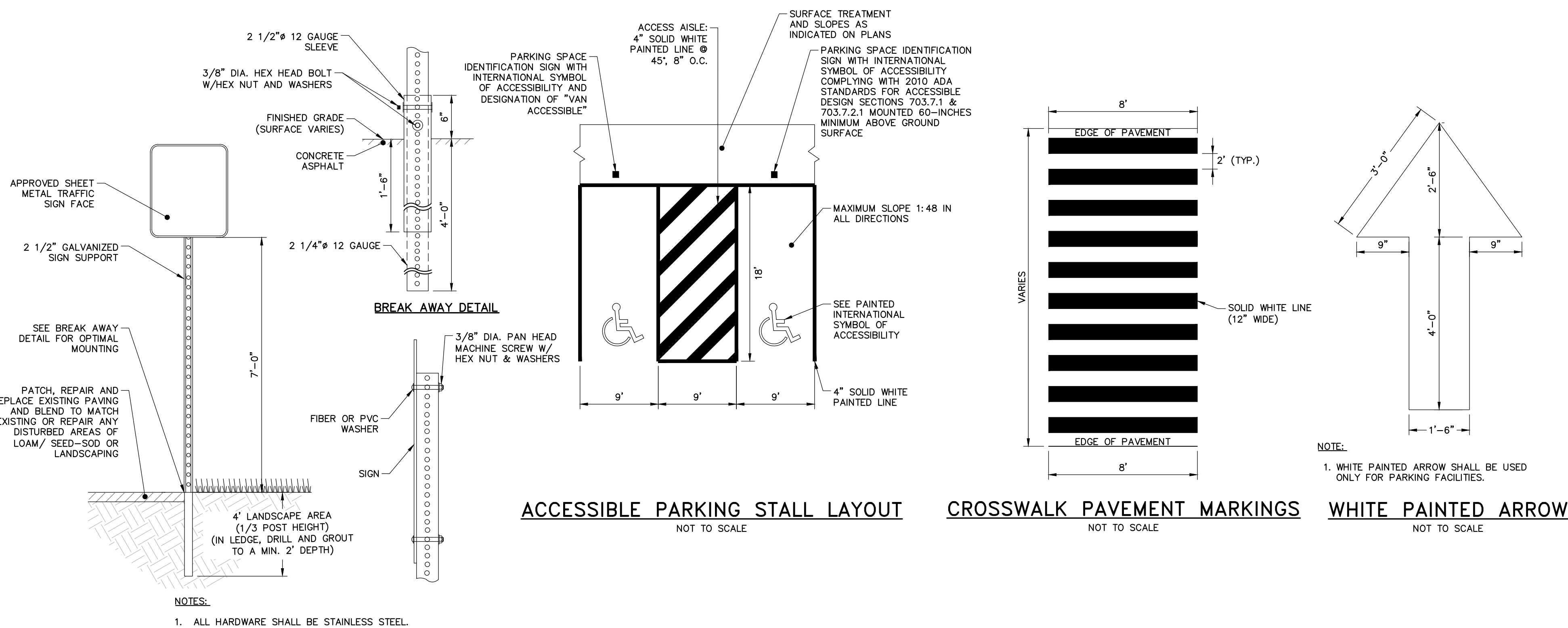
I.D. NUMBER	SIZE OF SIGN		TEXT	NUMBER OF SIGNS REQ'D
	WIDTH (IN)	HEIGHT (IN)		
R1-1	30	30		3
R5-1	30	30		4
R5-1A	36	24		2
R5-3	24	24		1
R7-8	12	18		3
R7-8a	12	6		3
R11-4	60	30		1
W20-4	30	30		2

NOTES:

- SEE MUTCD STANDARDS FOR TEXT DIMENSIONS INCLUDING LETTER HEIGHT, VERTICAL SPACING, ARROW RTE MAKER AND COLORS INCLUDING BACKGROUND, LEGEND AND BORDER.



WOOD GUARDRAIL (NON-PEDESTRIAN)  
NOT TO SCALE



ACCESSIBLE PARKING STALL LAYOUT  
NOT TO SCALE

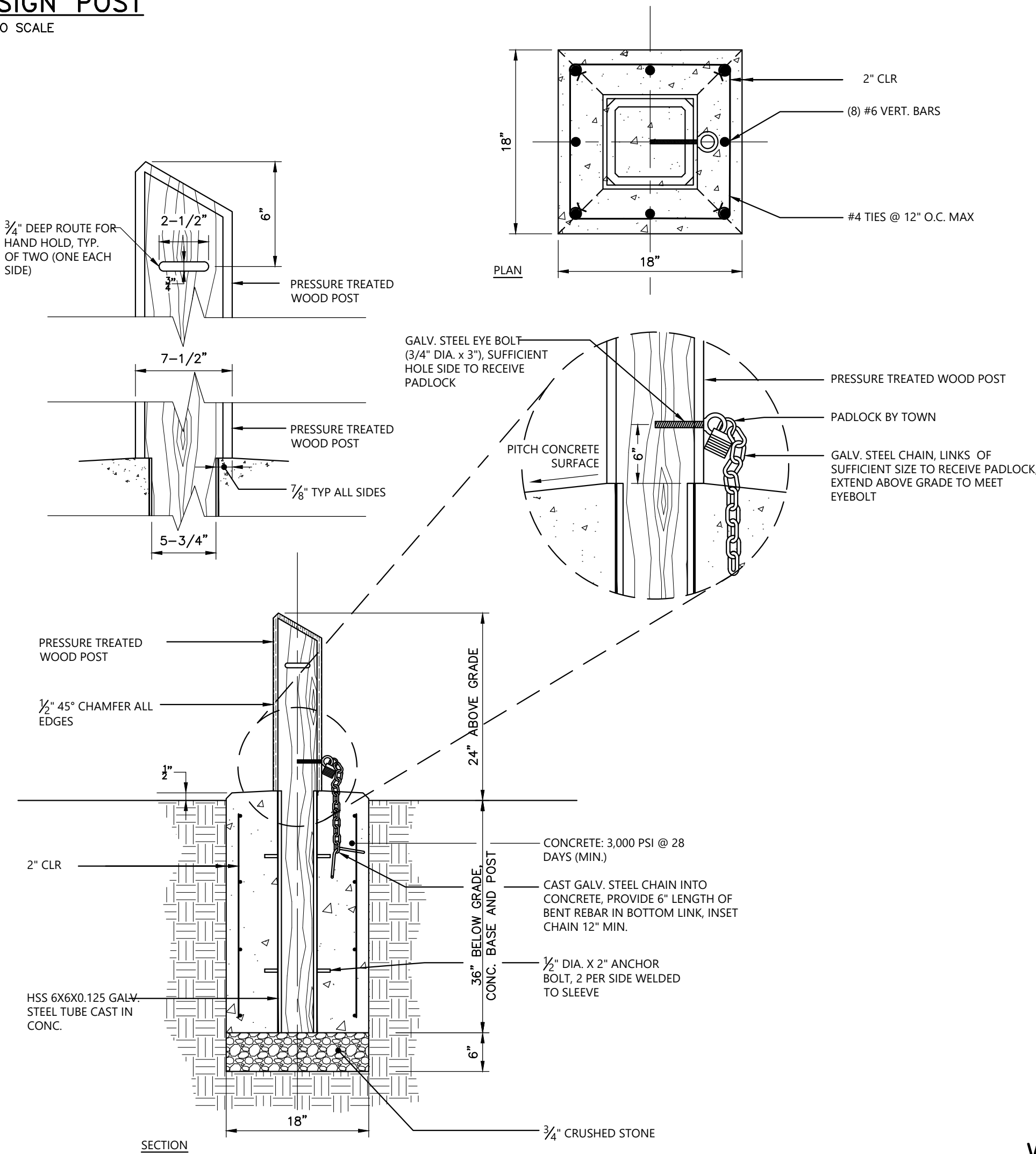
CROSSWALK PAVEMENT MARKINGS  
NOT TO SCALE

WHITE PAINTED ARROW  
NOT TO SCALE

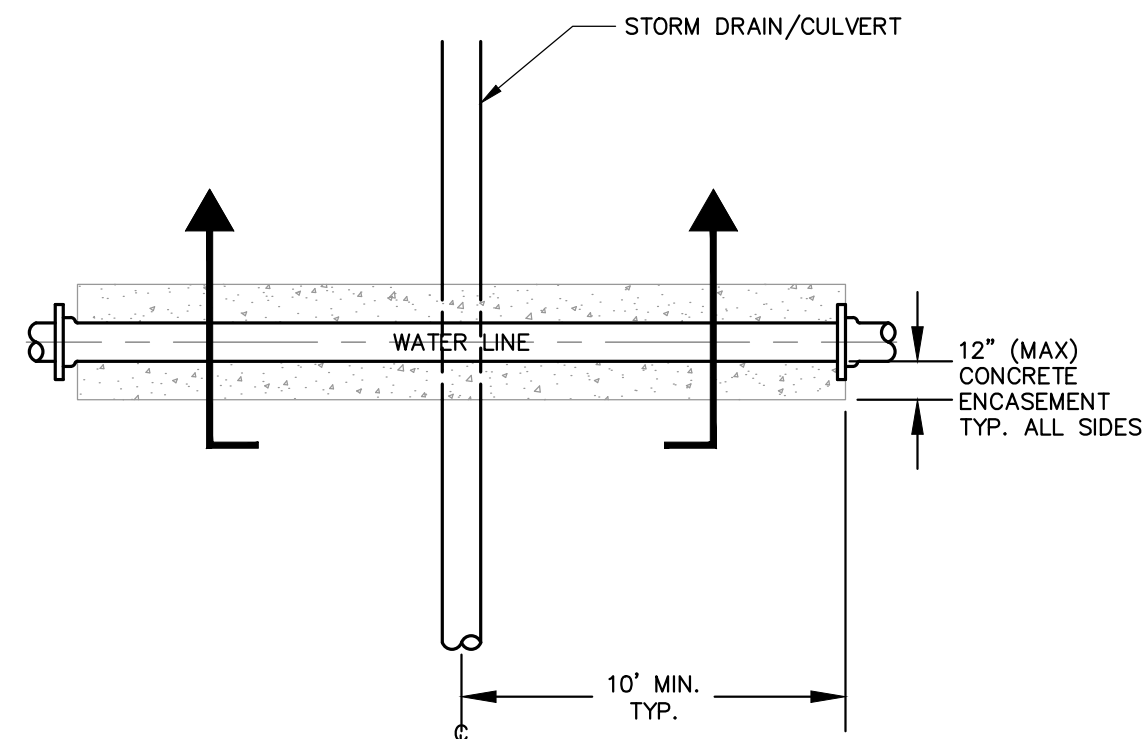
TRAFFIC SIGN POST  
NOT TO SCALE

NOTES:

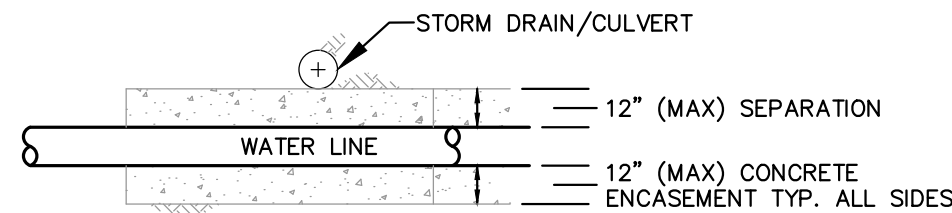
- ALL HARDWARE SHALL BE STAINLESS STEEL.



REMOVABLE WOOD BOLLARD  
N.T.S.



PERPENDICULAR CROSSING



SECTION A-A' - WATER BELOW

NOTES:

- CONCRETE ENCASE WATER MAIN IF SEPARATION TO CULVERT/STORM DRAIN IS LESS THAN 12 INCHES. COORDINATE DEPTH OF CONCRETE ENCASEMENT WITH ENGINEER PRIOR TO INSTALLATION.
- INSTALL FULL 20-FOOT LENGTH OF WATER MAIN ENCASEMENT AT REQUIRED CROSSINGS, CENTERED OVER STORM DRAIN OR CULVERT.

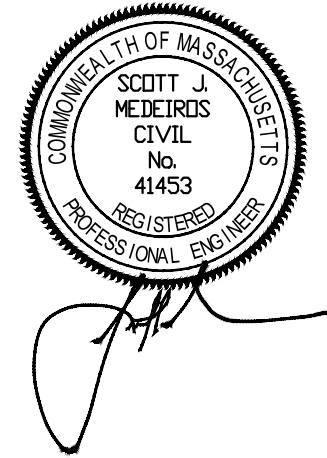
WATER MAIN AND STORM DRAIN OR CULVERT  
CROSSING ENCASEMENT  
NOT TO SCALE



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

THIS DOCUMENT IS THE PROPERTY OF  
WOODARD & CURRAN AND ITS CLIENT.  
REPRODUCTION OR MODIFICATION WITHOUT  
WRITTEN PERMISSION IS PROHIBITED.

PE SEAL:



ISSUED FOR CONSTRUCTION

CLIENT INFO:

TOWN OF GREAT BARRINGTON  
GREAT BARRINGTON,  
MASSACHUSETTS

LAKE MANSFIELD ROAD &  
PARKING AREA IMPROVEMENTS

REV MM/DD/YY DESCRIPTION

JOB NO: 022925203

DATE: OCTOBER 2023

SCALE: 1"=20'

DESIGNED BY: SMK

DRAWN BY: SMK

CHECKED BY: MM

FILENAME: 022925203-C40X.dwg

DRAWING TITLE:

CIVIL  
SITE DETAILS - 4

DRAWING NO:

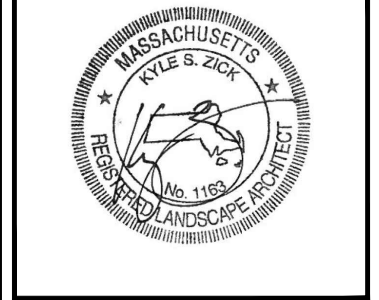
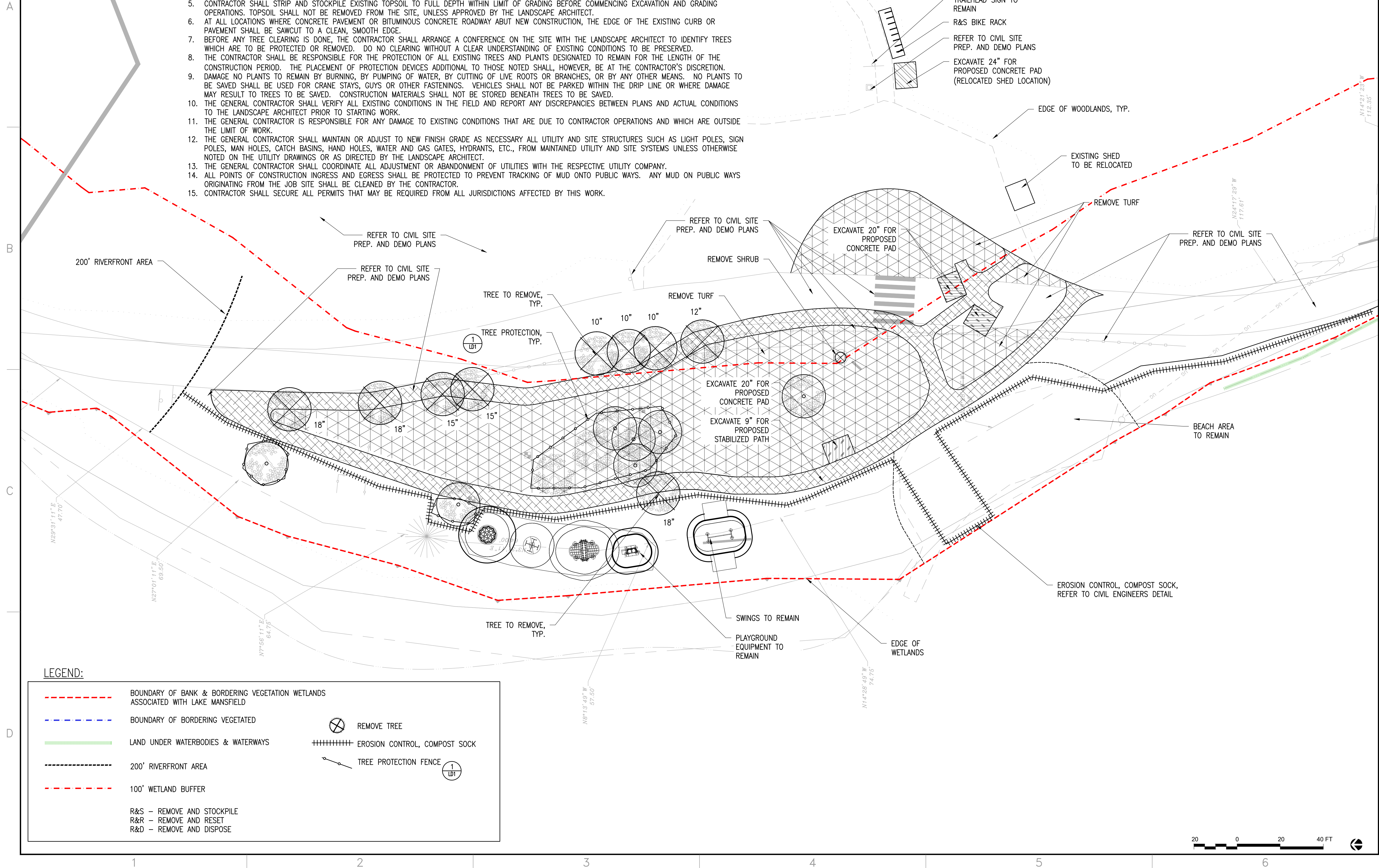
C-403

SHEET: 20 OF 28



SITE PREPARATION AND DEMOLITION NOTES:

1. PRIOR TO COMMENCING ANY EXCAVATION WORK, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN ACCORDANCE WITH THE "DIG SAFE" NOTIFICATION PROCEDURES PROMOTED BY RESPECTIVE UTILITY COMPANIES. THE DIG SAFE TELEPHONE NUMBER FOR MASSACHUSETTS IS 811.
2. THE LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE DIAGRAMMATIC ONLY. THE CONTRACTOR SHALL CONTACT THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANY TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR.
3. ALL REFUSE, DEBRIS, AND MISCELLANEOUS ITEMS TO BE REMOVED, THAT ARE NOT TO BE STOCKPILED FOR LATER USE ON THE PROJECT OR DELIVERED TO THE OWNER, SHALL BE LEGALLY DISPOSED OF OFF-SITE BY THE CONTRACTOR.
4. ALL ITEMS REQUIRING REMOVAL SHALL BE REMOVED TO FULL DEPTH TO INCLUDE BASE MATERIAL AND FOOTINGS OR FOUNDATIONS AS APPLICABLE, AND REUSED AS DIRECTED BY THE OWNER OR LEGALLY DISPOSED OF OFF-SITE BY CONTRACTOR.
5. CONTRACTOR SHALL STRIP AND STOCKPILE EXISTING TOPSOIL TO FULL DEPTH WITHIN LIMIT OF GRADING BEFORE COMMENCING EXCAVATION AND GRADING OPERATIONS. TOPSOIL SHALL NOT BE REMOVED FROM THE SITE, UNLESS APPROVED BY THE LANDSCAPE ARCHITECT.
6. AT ALL LOCATIONS WHERE CONCRETE PAVEMENT OR BITUMINOUS CONCRETE ROADWAY ABUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAWCUT TO A CLEAN, SMOOTH EDGE.
7. BEFORE ANY TREE CLEARING IS DONE, THE CONTRACTOR SHALL ARRANGE A CONFERENCE ON THE SITE WITH THE LANDSCAPE ARCHITECT TO IDENTIFY TREES WHICH ARE TO BE PROTECTED OR REMOVED. DO NO CLEARING WITHOUT A CLEAR UNDERSTANDING OF EXISTING CONDITIONS TO BE PRESERVED.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES AND PLANTS DESIGNATED TO REMAIN FOR THE LENGTH OF THE CONSTRUCTION PERIOD. THE PLACEMENT OF PROTECTION DEVICES ADDITIONAL TO THOSE NOTED SHALL, HOWEVER, BE AT THE CONTRACTOR'S DISCRETION.
9. DAMAGE NO PLANTS TO REMAIN BY BURNING, BY PUMPING OF WATER, BY CUTTING OF LIVE ROOTS OR BRANCHES, OR BY ANY OTHER MEANS. NO PLANTS TO BE SAVED SHALL BE USED FOR CRANE STAYS, GUYS OR OTHER FASTENINGS. VEHICLES SHALL NOT BE PARKED WITHIN THE DRIP LINE OR WHERE DAMAGE MAY RESULT TO TREES TO BE SAVED. CONSTRUCTION MATERIALS SHALL NOT BE STORED BENEATH TREES TO BE SAVED.
10. THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS TO THE LANDSCAPE ARCHITECT PRIOR TO STARTING WORK.
11. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING CONDITIONS THAT ARE DUE TO CONTRACTOR OPERATIONS AND WHICH ARE OUTSIDE THE LIMIT OF WORK.
12. THE GENERAL CONTRACTOR SHALL MAINTAIN OR ADJUST TO NEW FINISH GRADE AS NECESSARY ALL UTILITY AND SITE STRUCTURES SUCH AS LIGHT POLES, SIGN POLES, MAN HOLES, CATCH BASINS, HAND HOLES, WATER AND GAS GATES, HYDRANTS, ETC., FROM MAINTAINED UTILITY AND SITE SYSTEMS UNLESS OTHERWISE NOTED ON THE UTILITY DRAWINGS OR AS DIRECTED BY THE LANDSCAPE ARCHITECT.
13. THE GENERAL CONTRACTOR SHALL COORDINATE ALL ADJUSTMENT OR ABANDONMENT OF UTILITIES WITH THE RESPECTIVE UTILITY COMPANY.
14. ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS SHALL BE PROTECTED TO PREVENT TRACKING OF MUD ONTO PUBLIC WAYS. ANY MUD ON PUBLIC WAYS ORIGINATING FROM THE JOB SITE SHALL BE CLEANED BY THE CONTRACTOR.
15. CONTRACTOR SHALL SECURE ALL PERMITS THAT MAY BE REQUIRED FROM ALL JURISDICTIONS AFFECTED BY THIS WORK.



REV	ISSUED FOR CONSTRUCTION	DATE	CHECKED BY	DRAWN BY
1	10/13/23	KZ	MD	MD

SITE PREPARATION AND DEMO  
BEACH AND PLAYGROUND

TOWN OF GREAT BARRINGTON, MA  
334 MAIN ST.  
GREAT BARRINGTON, MA 01230

LAKE MANSFIELD  
AREA IMPROVEMENTS

JOB NO.:  
DATE: APRIL 27, 2023  
SCALE: 1" = 20'-0"  
SHEET: 1 OF 8

L1



NOTES:

1. THERE WILL BE A PRE-CONSTRUCTION MEETING WITH CONTRACTOR AND LANDSCAPE ARCHITECT TO LAYOUT PLANT MATERIAL.

A

B

C

D

LAYOUT NOTES:

1. EXISTING CONDITIONS ARE BASED ON A SURVEY PERFORMED BY J.R. RUSSO ASSOCIATES, LLC. SURVEYORS, ENGINEERS. WINDSOR, CT 06088, DATED JANUARY 16, 2018.
2. GEOTECHNICAL INVESTIGATIONS CONDUCTED BY GZA GEO ENVIRONMENTAL ON AUGUST 11, 2017.
3. WETLAND DELINEATION WAS CONDUCTED BY ECOTEC, INC. IN SEPTEMBER 2017.
4. ALL LINE AND GRADE WORK PER DRAWINGS AND SPECIFICATIONS SHALL BE LAID OUT BY A REGISTERED CIVIL ENGINEER OR SURVEYOR ENGAGED BY THE CONTRACTOR.
5. ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.
6. STORAGE AREAS FOR CONTRACTOR'S EQUIPMENT AND MATERIALS SHALL BE IN AND WITHIN LIMITS OF WORK AS SHOWN ON PLANS AND AS APPROVED BY THE ENGINEER.
7. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES IN THE SITE SURVEY TO THE ENGINEER PRIOR TO STARTING WORK.
8. ALL LAYOUTS FOR WALKS AND PATHS SHALL BE ADEQUATELY STAKED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
9. THE CONTRACTOR SHALL ESTABLISH PERMANENT CONSTRUCTION BENCH MARKS. MAINTAIN ALL ESTABLISHED BOUNDS AND BENCH MARKS AND REPLACE AS DIRECTED ANY WHICH ARE DESTROYED OR DISTURBED.
10. CONTRACTOR SHALL COORDINATE LOCATION OF ALL UTILITIES (LINES, DUCTS, CONDUITS, SLEEVES, FOOTINGS, ETC.) WITH LOCATIONS OF PROPOSED LANDSCAPE ELEMENTS (WALLS, FENCE, FOOTINGS, TREE ROOTBALLS, PROPOSED LIGHTING FOOTINGS, ETC.). CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO CONTINUING WORK.
11. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE DUE TO OPERATIONS INSIDE AND OUTSIDE OF THE CONTRACT LIMIT LINE. ANY AREAS OUTSIDE THE LIMIT OF WORK THAT ARE DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
12. PROVIDE EXPANSION JOINTS AT ALL CURBS, WALLS, STEPS, LIGHT POLE BASES, PULL BOXES, MANHOLES, ETC. AND AS SHOWN ON PLAN.

PERMEABLE PARKING, SEE CIVIL ENGINEER

SEED MIX - TYPE 2

SEED MIX - TYPE 1

PROPOSED TREE, TYP.

SPLIT RAIL FENCE

PROPOSED SHRUB, TYP.

SPLIT RAIL FENCE

CHANGING STATIONS (STOCKADE FENCE)

RELOCATED PORTABLE TOILETS (STOCKADE FENCE, 4.5'X13')

BENCH, TYP.

BENCH, TYP.

PLAYGROUND

STABILIZED STONEDUST TRAIL

EXISTING TREE, TYP.

SWINGS

PICNIC TABLE, TYP.

ADA PICNIC TABLE ON CONCRETE PAD

BENCH BACKLESS, TYP.

EDGE OF WETLANDS

TRAILHEAD SIGN TO REMAIN

RESET BIKE RACK

EXISTING SHED TO BE RESET

STABILIZED STONEDUST TRAIL

EDGE OF WOODLANDS, TYP.

SEED MIX - TYPE 1

GRANITE STEPS WITH RETAINING BOULDERS WITH HANDRAILS

BEACH AREA

ADA BEACH MAT

LEGEND:

	BOUNDARY OF BANK & BORDERING VEGETATION WETLANDS ASSOCIATED WITH LAKE MANSFIELD
	BOUNDARY OF BORDERING VEGETATED
	LAND UNDER WATERBODIES & WATERWAYS
	200' RIVERFRONT AREA
	100' WETLAND BUFFER
	SEED MIX, TYPE 1 - FOR WET SITES, FOR ADDITIONAL INFO REFER TO SPECS
	SEED MIX, TYPE 2 - FOR DRY SITES, FOR ADDITIONAL INFO REFER TO SPECS
	SEED MIX, TYPE 3 - SUN TOLERANT, FOR ADDITIONAL INFO REFER TO SPECS
	SEED MIX, TYPE 3 - SUN TOLERANT AND TUBELING PLANTINGS, FOR ADDITIONAL INFO REFER TO SPECS
	TURF
	LIVE STAKING

20 0 20 40 FT

SITE IMPROVEMENT PLAN - BEACH AND PLAYGROUND

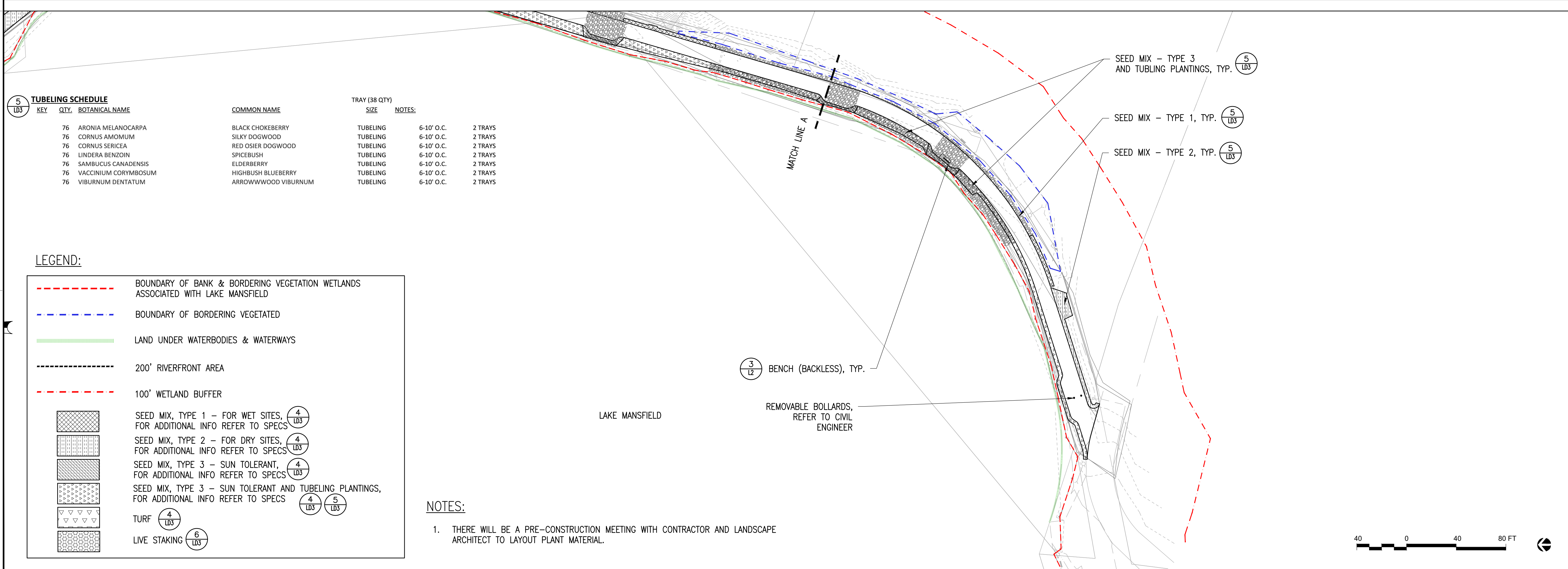
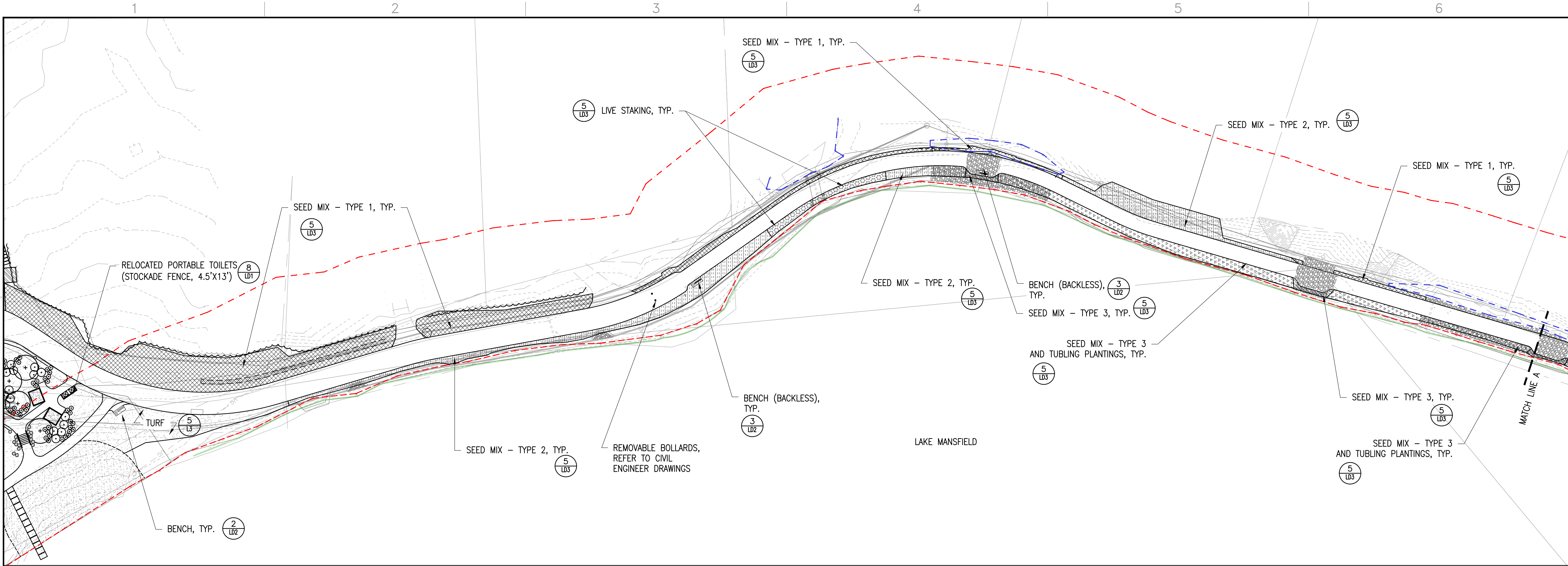
TOWN OF GREAT BARRINGTON, MA  
334 MAIN ST.  
GREAT BARRINGTON, MA 01230

LAKE MANSFIELD  
AREA IMPROVEMENTS

JOB NO.:  
DATE: APRIL 27, 2023  
SCALE: 1" = 20'-0"  
SHEET: 2 OF 8

L2





TUBELING SCHEDULE					
KEY	QTY.	BOTANICAL NAME	COMMON NAME	TRAY (38 QTY) SIZE	NOTES
76		ARONIA MELANOCARPA	BLACK CHOKEBERRY	TUBELING 6-10' O.C.	2 TRAYS
76		CORNUS AMOMUM	SILKY DOGWOOD	TUBELING 6-10' O.C.	2 TRAYS
76		CORNUS SERICEA	RED OSIER DOGWOOD	TUBELING 6-10' O.C.	2 TRAYS
76		LINDERA BENZOIN	SPICEBUSH	TUBELING 6-10' O.C.	2 TRAYS
76		SAMBUCUS CANADENSIS	ELDERBERRY	TUBELING 6-10' O.C.	2 TRAYS
76		VACCINIUM CORYMBOSUM	HIGHBUSH BLUEBERRY	TUBELING 6-10' O.C.	2 TRAYS
76		VIBURNUM DENTATUM	ARROWWOOD VIBURNUM	TUBELING 6-10' O.C.	2 TRAYS

**LEGEND:**

- BOUNDARY OF BANK & BORDERING VEGETATION WETLANDS ASSOCIATED WITH LAKE MANSFIELD
- BOUNDARY OF BORDERING VEGETATED
- LAND UNDER WATERBODIES & WATERWAYS
- 200' RIVERFRONT AREA
- 100' WETLAND BUFFER
- SEED MIX, TYPE 1 - FOR WET SITES, FOR ADDITIONAL INFO REFER TO SPECS
- SEED MIX, TYPE 2 - FOR DRY SITES, FOR ADDITIONAL INFO REFER TO SPECS
- SEED MIX, TYPE 3 - SUN TOLERANT, FOR ADDITIONAL INFO REFER TO SPECS
- SEED MIX, TYPE 3 - SUN TOLERANT AND TUBELING PLANTINGS, FOR ADDITIONAL INFO REFER TO SPECS
- TURF
- LIVE STAKING

**NOTES:**

1. THERE WILL BE A PRE-CONSTRUCTION MEETING WITH CONTRACTOR AND LANDSCAPE ARCHITECT TO LAYOUT PLANT MATERIAL.

ISSUED FOR CONSTRUCTION	10/13/23	DATE
REVISION	DESCRIPTION	CHECKED BY: KZ
DESIGNED BY: MD	DRAWN BY: MD	

**SITE IMPROVEMENT AND PLANTING PLAN - MAIN PATHWAY**

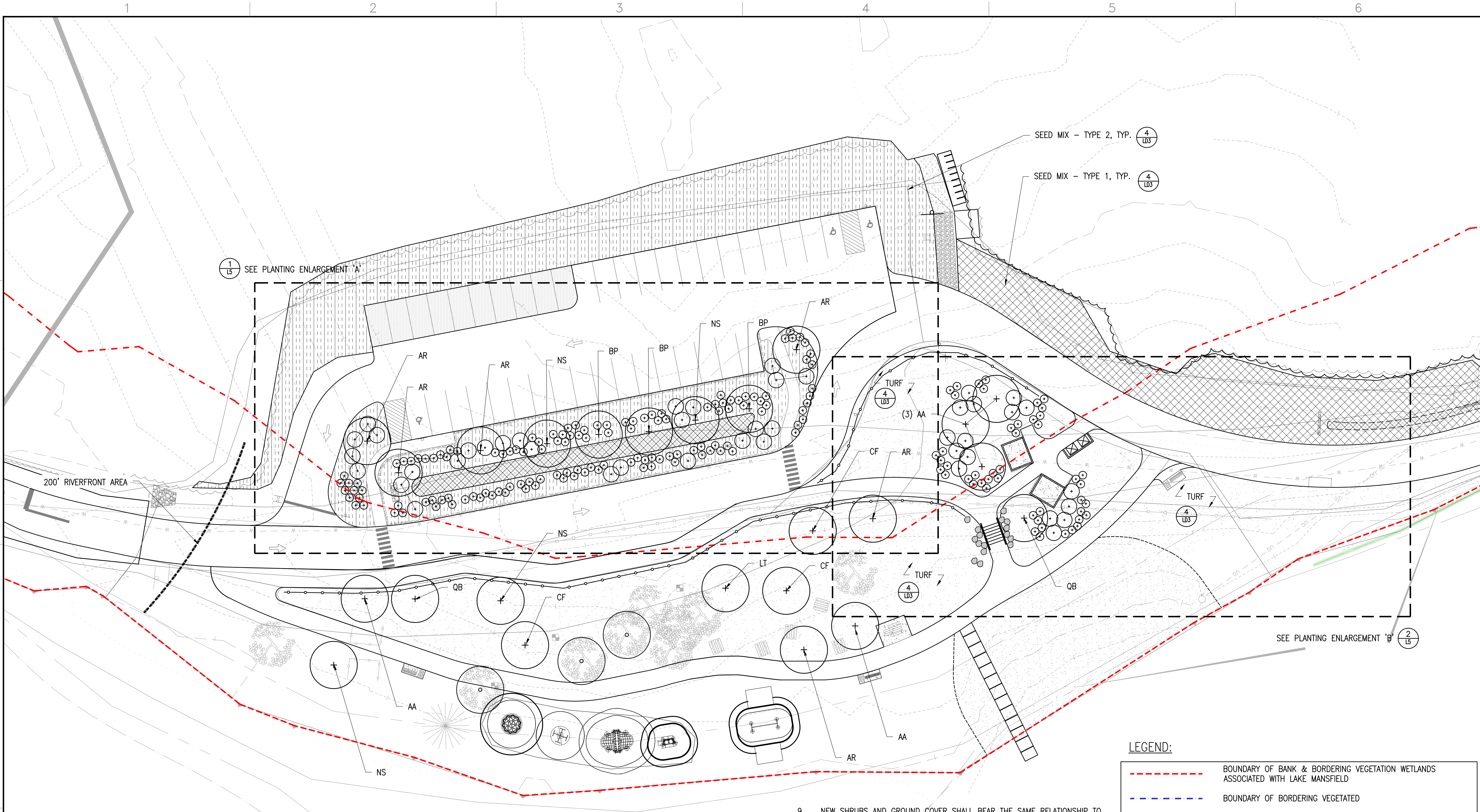
TOWN OF GREAT BARRINGTON, MA  
334 MAIN ST.  
GREAT BARRINGTON, MA 01230

**LAKE MANSFIELD AREA IMPROVEMENTS**

JOB NO.:  
DATE: APRIL 27, 2023  
SCALE: 1" = 40'-0"  
SHEET: 3 OF 8

**L3**





**1**  
**103** **TREE SCHEDULE**

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	NOTES:
<b>TREES</b>					
AA	5	AMELANCHIER ARBOREA	DOWNY SERVICEBERRY	2" CAL.	
AR	6	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	2.5" CAL.	
BP	3	BETULA POPULIFOLIA	GRAY BIRCH	2.5" CAL.	SPRING DUG ONLY
CF	3	CORNUS FLORIDA 'CHEROKEE PRINCESS'	FLOWERING DOGWOOD	2" CAL.	SPRING DUG ONLY
LT	1	LIRIODENDRON TULIPIFERA	TULIPTREE	3" CAL.	SPRING DUG ONLY
NS	4	NYSSA SYLVATICA 'WILDFIRE'	WILDFIRE SOURGUM	2" CAL.	SPRING DUG ONLY
QB	2	QUERCUS BICOLOR	SWAMP WHITE OAK	3" CAL.	

**NOTES:**

- SHRUBS AND PERENNIALS SCHEDULE, SEE SHEET L5.
- THERE WILL BE A PRE-CONSTRUCTION MEETING WITH CONTRACTOR AND LANDSCAPE ARCHITECT TO LAYOUT PLANT MATERIAL.

**PLANTING NOTES:**

- IF DISCREPANCIES EXIST BETWEEN THE NUMBER OF PLANTS DRAWN ON THE PLANTING PLAN AND THE NUMBER OF PLANTS IN THE PLANT SCHEDULE, THE PLANTING PLAN SHALL GOVERN.
- ALL NEW PLANT MATERIAL SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. IN ADDITION, ALL NEW PLANT MATERIAL FOR THE PROJECT SHALL BE OF SPECIMEN QUALITY.
- ALL NEW PLANTS TO BE BALLED AND BURLAPPED OR CONTAINER-GROWN, UNLESS OTHERWISE NOTED ON THE PLANT SCHEDULE.
- THE CONTRACTOR SHALL SUPPLY ALL NEW PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON THE DRAWINGS.
- ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE, AND ONLY AFTER WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT.
- ALL NEW PLANTS SHALL BE TAGGED AND APPROVED BY THE LANDSCAPE ARCHITECT AT THE NURSERY PRIOR TO DIGGING OR DELIVERY TO THE SITE.
- CONTRACTOR SHALL LOCATE AND VERIFY ALL EXISTING UTILITY LINES PRIOR TO PLANTING AND SHALL REPORT ANY CONFLICTS TO THE ENGINEER.
- STAKE LOCATION OF ALL PROPOSED PLANTING FOR APPROVAL BY ENGINEER PRIOR TO THE COMMENCEMENT OF PLANTING.
- NEW SHRUBS AND GROUND COVER SHALL BEAR THE SAME RELATIONSHIP TO GRADE AS IT BORE TO PREVIOUS GRADE. TREES SHALL BE SET 3" HIGHER THAN PREVIOUS GRADE. NO TREES SHALL BE PLANTED BEFORE ACCEPTANCE OF ROUGH GRADING.
- ALL PLANT BEDS TO RECEIVE THREE INCHES (3") OF BARK MULCH AS PER SPECIFICATIONS.
- ALL EXISTING TREES TO REMAIN SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION. PROTECTION TECHNIQUES SHALL BE REVIEWED AND APPROVED BY THE ENGINEER. THE PLACEMENT OF PROTECTION DEVICES ADDITIONAL TO THOSE NOTED SHALL, HOWEVER, BE AT THE CONTRACTOR'S DISCRETION.
- CONTRACTOR SHALL PROVIDE FULL DEPTHS OF LOAM AS NOTED ON DETAILS AND AS SPECIFIED, FOR ALL PLANTING.
- CONTRACTOR SHALL COORDINATE LOCATION OF ALL UTILITIES (LINES, DUCTS, CONDUITS, SLEEVES, FOOTINGS, ETC.) WITH LOCATIONS OF PROPOSED LANDSCAPE ELEMENTS (WALLS, FENCE, FOOTINGS, TREE ROOTBALLS, PROPOSED LIGHTING FOOTINGS, ETC.). CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO CONTINUING WORK.
- CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE DUE TO OPERATIONS INSIDE AND OUTSIDE OF THE CONTRACT LIMIT LINE. ANY AREAS OUTSIDE THE LIMIT OF WORK THAT ARE DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- IN AREAS WHERE EXISTING PAVEMENTS ARE REMOVED AND ARE PROPOSED AS LAWN, THE CONTRACTOR SHALL REMOVE THE PAVEMENT AND BASE, PROVIDE FILL AND 6" TOPSOIL PRIOR TO SEEDING.

**LEGEND:**

	BOUNDARY OF BANK & BORDERING VEGETATION WETLANDS ASSOCIATED WITH LAKE MANSFIELD
	BOUNDARY OF BORDERING VEGETATED
	LAND UNDER WATERBODIES & WATERWAYS
	200' RIVERFRONT AREA
	100' WETLAND BUFFER
	SEED MIX, TYPE 1 - FOR WET SITES
	SEED MIX, TYPE 2 - FOR DRY SITES
	SEED MIX, TYPE 3 - SUN TOLERANT
	SEED MIX, TYPE 3 - SUN TOLERANT AND TUBELING PLANTINGS
	TURF
	LIVE STAKING



REV.	DESCRIPTION	DATE	CHECKED BY:	DRAWN BY:
1	ISSUED FOR CONSTRUCTION	10/13/23	KZ	MD

**PLANTING PLAN -  
BEACH AND PLAYGROUND**

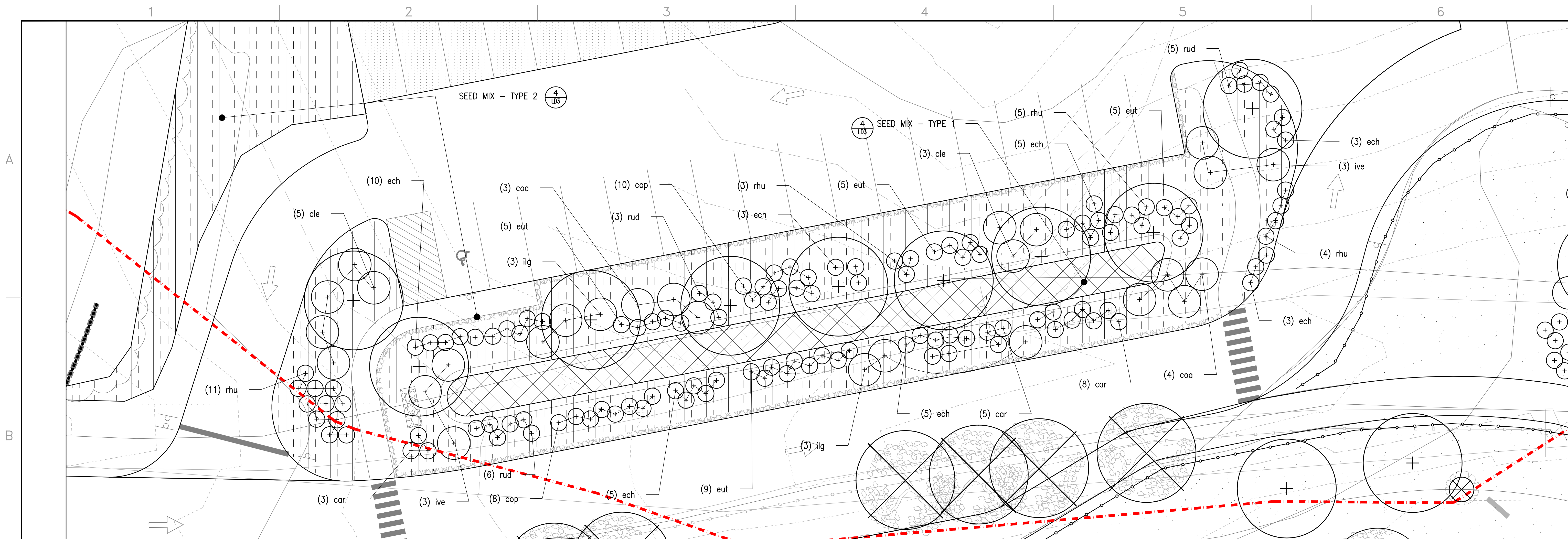
TOWN OF GREAT BARRINGTON, MA  
334 MAIN ST.  
GREAT BARRINGTON, MA 01230

**LAKE MANSFIELD  
AREA IMPROVEMENTS**

JOB NO.:  
DATE: APRIL 27, 2023  
SCALE: 1" = 20'-0"  
SHEET: 4 OF 8

**L4**





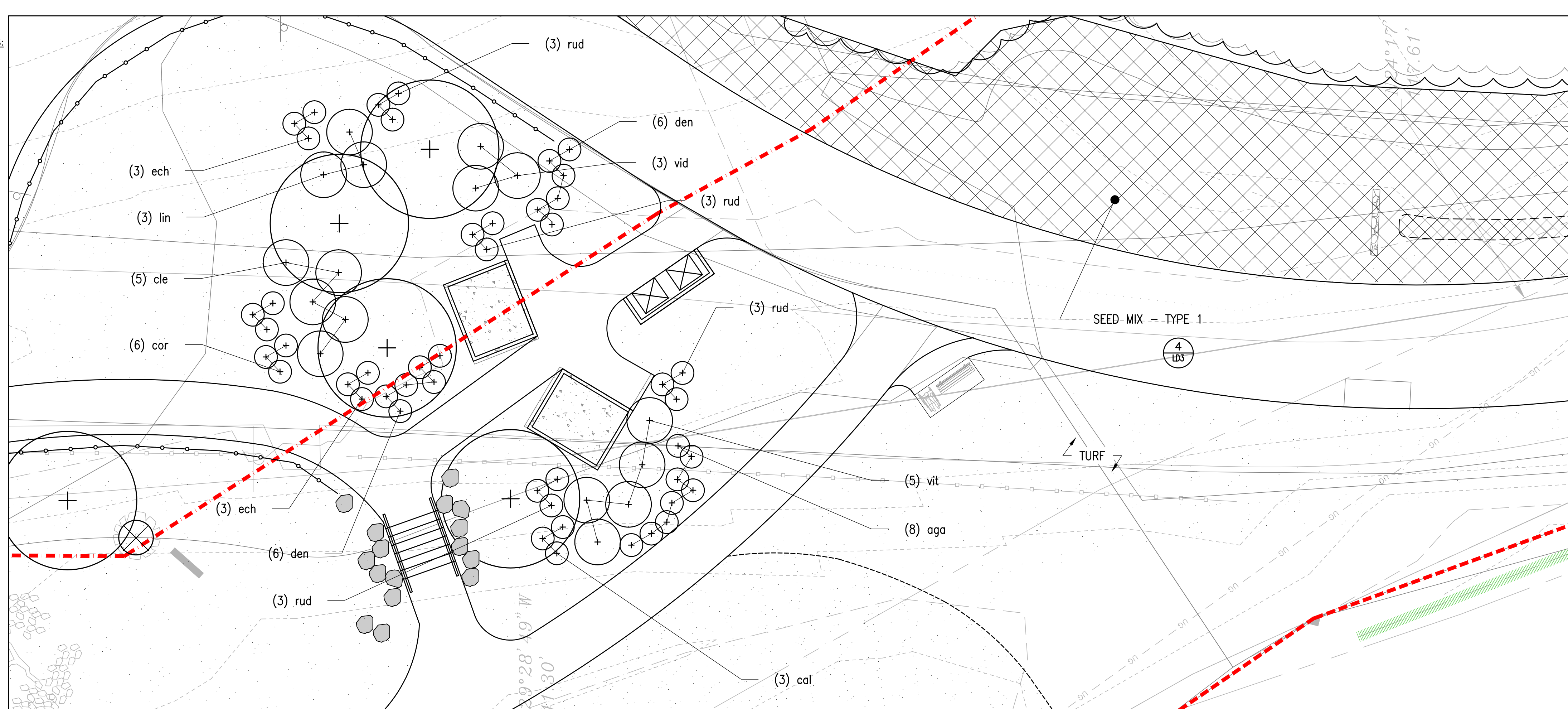
1 PLANTING ENLARGEMENT 'A'  
SCALE: 1"=10'-0"

SHRUB, PERENNIAL AND BULB SCHEDULE				
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE
SHRUBS				
cle	13	CLETHRA ALNIFOLIA 'HUMMINGBIRD'	HUMMINGBIRD SUMMERSWEET	24"-30" HT
cop	18	COMPTONIA PEREGRINA	SWEETFERN	18"-24" HT
coa	7	CORNUS AMOMUM	SILKY DOGWOOD	24"-30" HT
ilg	6	ILEX GKABRA 'SHAMROCK'	SHAMROCK INKBERRY	30"-36" HT
ive	6	ILEX VERTICILLATA	WINTERBERRY	24"-30" HT
lin	3	LINDERA BENZOIN	SPICEBUSH	24"-30" HT
rhu	23	RHUS AROMATICA GRO-LOW	GRO-LOW FRAGRANT SUMAC	18"-24" HT
vid	3	VIBURNUM DENTATUM	ARROWWOOD VIBURNUM	30"-36" HT
vit	5	VIBURNUM TRILOBUM	AMERICAN CRANBERRBUSH VIBURNUM	30"-36" HT
PERENNIALS				
aga	8	AGASTACHE 'BLUE FORTUNE'	HUMMINGBIRD MINT 'BLUE FORTUNE'	1 GAL
cal	3	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER REED GRASS	1 GAL
car	16	CAREX VULPINOIDEA	FOX SEDGE	1 GAL
cor	6	COREOPSIS VERTICILLATA 'MOONBEAM'	THREADLEAF COREOPSIS	1 GAL
den	12	DENNSTAEDTIA PUNCTILOBULA	HAY SCENTED FERN	1 GAL
ech	40	ECHINACEA PURPUREA	PINK CONEFLOWER	1 GAL
eut	24	EUTROCHIUM PURPUREUM	JOE-PYE WEED	1 GAL
rud	26	RUDBECKIA GOLDSTRUM	BLACK EYED SUSAN	1 GAL

NOTES:  
1. THERE WILL BE A PRE-CONSTRUCTION MEETING WITH CONTRACTOR AND LANDSCAPE ARCHITECT TO LAYOUT PLANT MATERIAL.

LEGEND:

- BOUNDARY OF BANK & BORDERING VEGETATION WETLANDS ASSOCIATED WITH LAKE MANSFIELD
- BOUNDARY OF BORDERING VEGETATED
- LAND UNDER WATERBODIES & WATERWAYS
- 200' RIVERFRONT AREA
- 100' WETLAND BUFFER
- SEED MIX, TYPE 1 - FOR WET SITES, FOR ADDITIONAL INFO REFER TO SPECS
- SEED MIX, TYPE 2 - FOR DRY SITES, FOR ADDITIONAL INFO REFER TO SPECS



2 PLANTING ENLARGEMENT 'B'  
SCALE: 1"=10'-0"

MASSACHUSETTS  
SEAL OF THE COMMONWEALTH

ISSUED FOR CONSTRUCTION  
10/13/23  
DATE

DESIGNED BY: MD  
CHECKED BY: KZ  
DRAWN BY: MD

PLANTING ENLARGEMENT PLAN -  
BEACH AND PLAYGROUND

TOWN OF GREAT BARRINGTON, MA  
334 MAIN ST.  
GREAT BARRINGTON, MA 01230

LAKE MANSFIELD  
AREA IMPROVEMENTS

JOB NO.:  
DATE: APRIL 27, 2023  
SCALE: AS SHOWN  
SHEET: 5 OF 8

L5



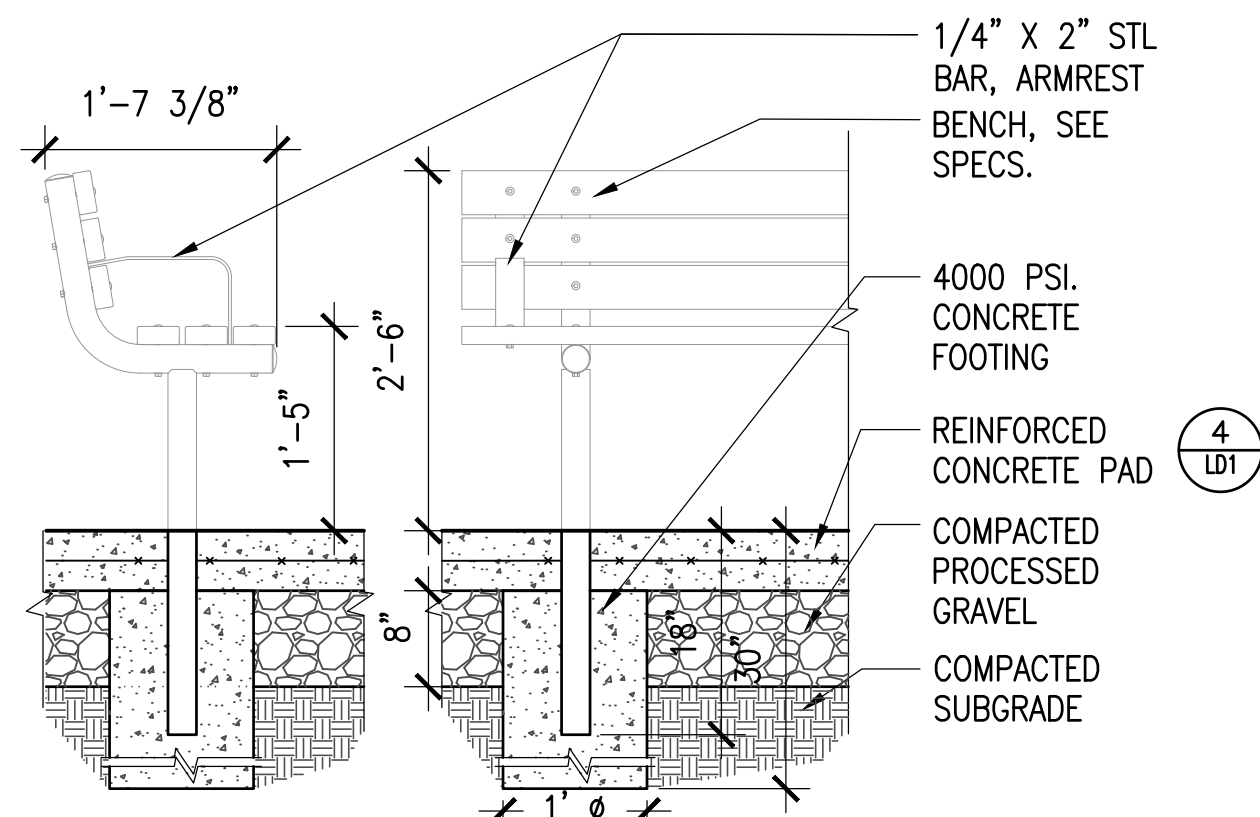
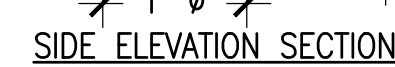
LD1





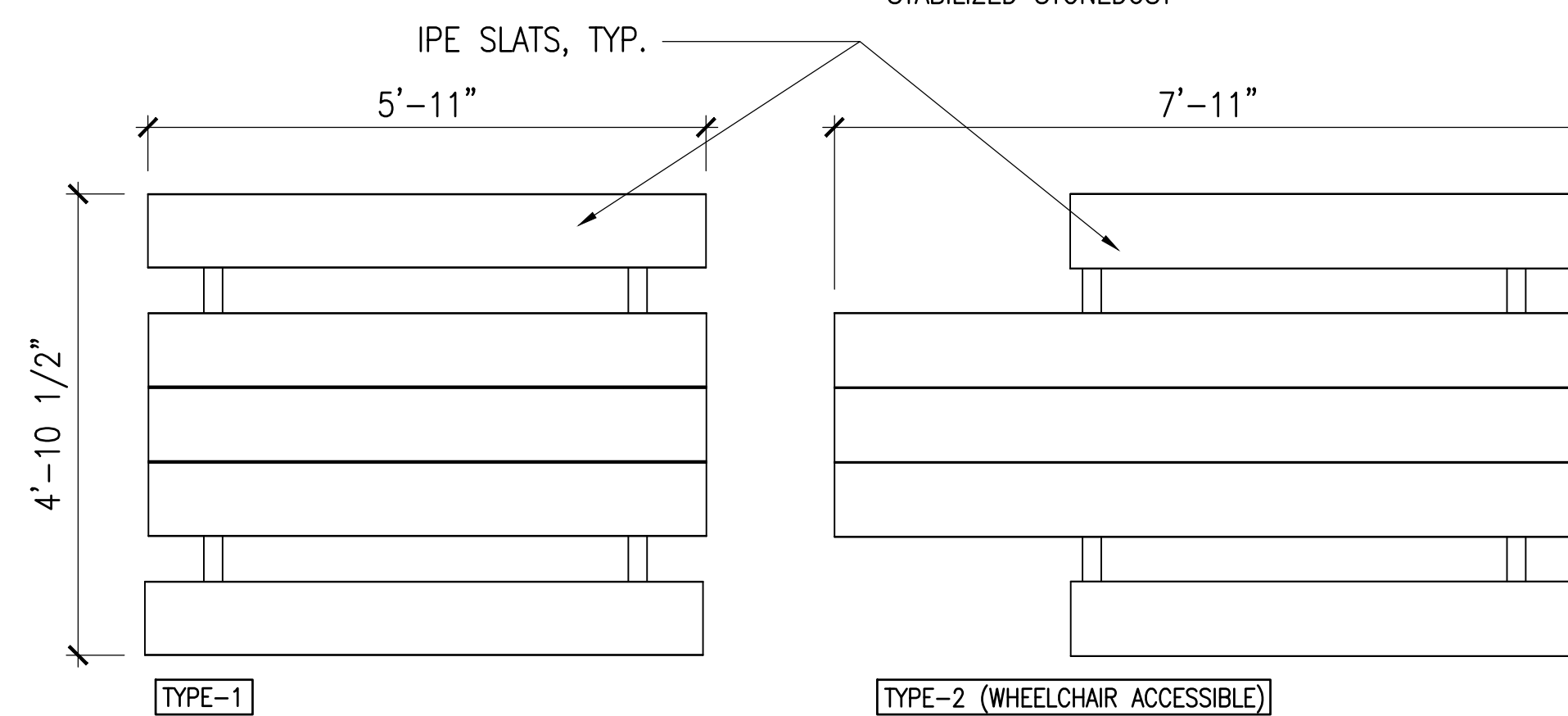
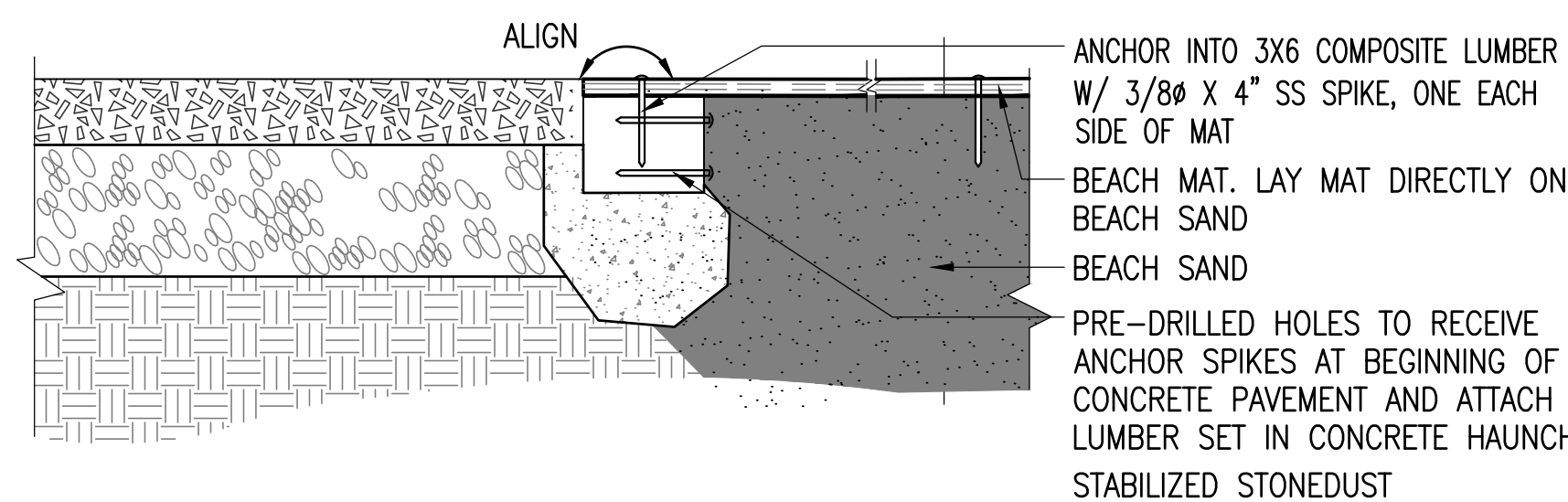
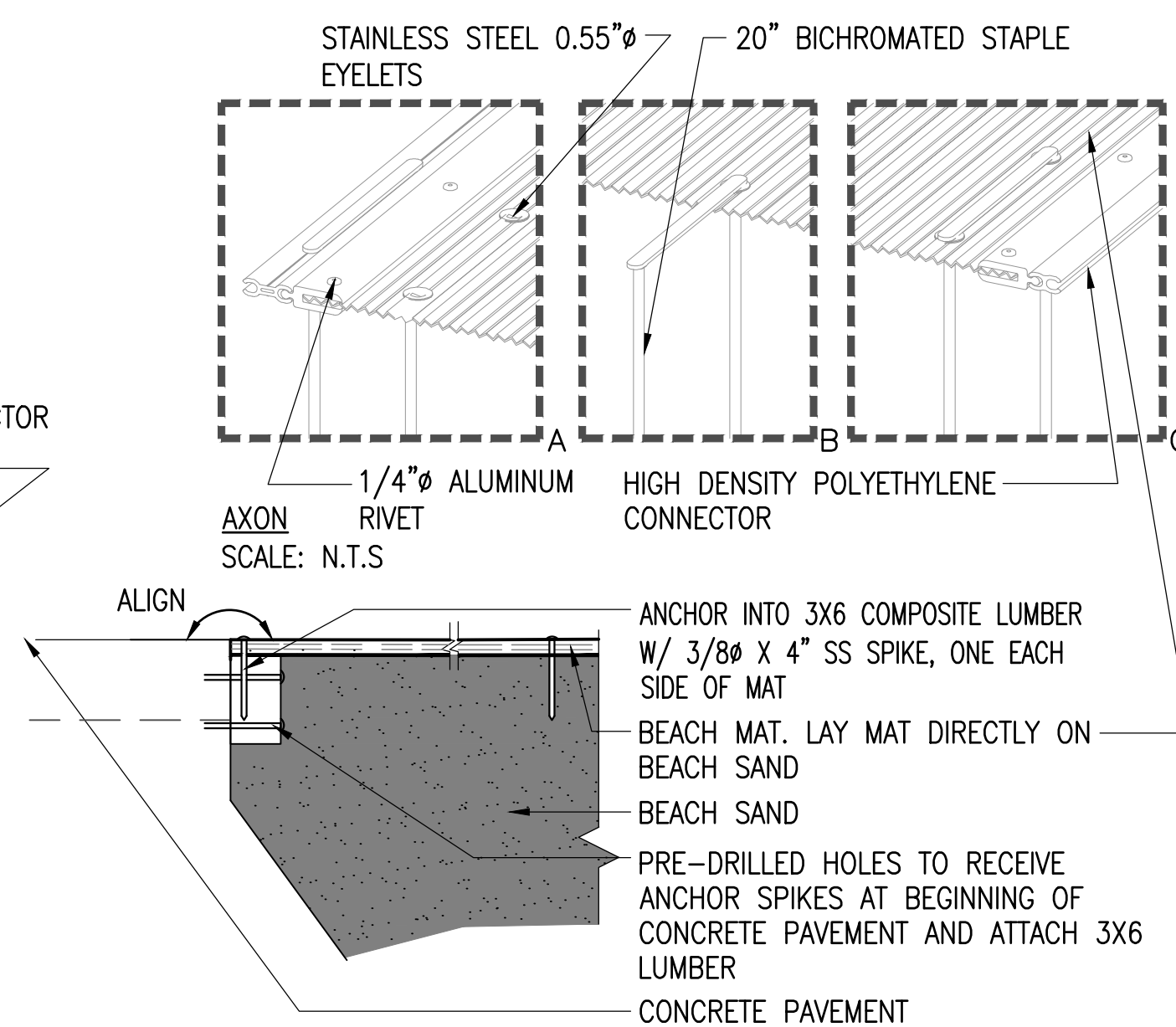
## 1 BEACH MAT

SCALE: NTS



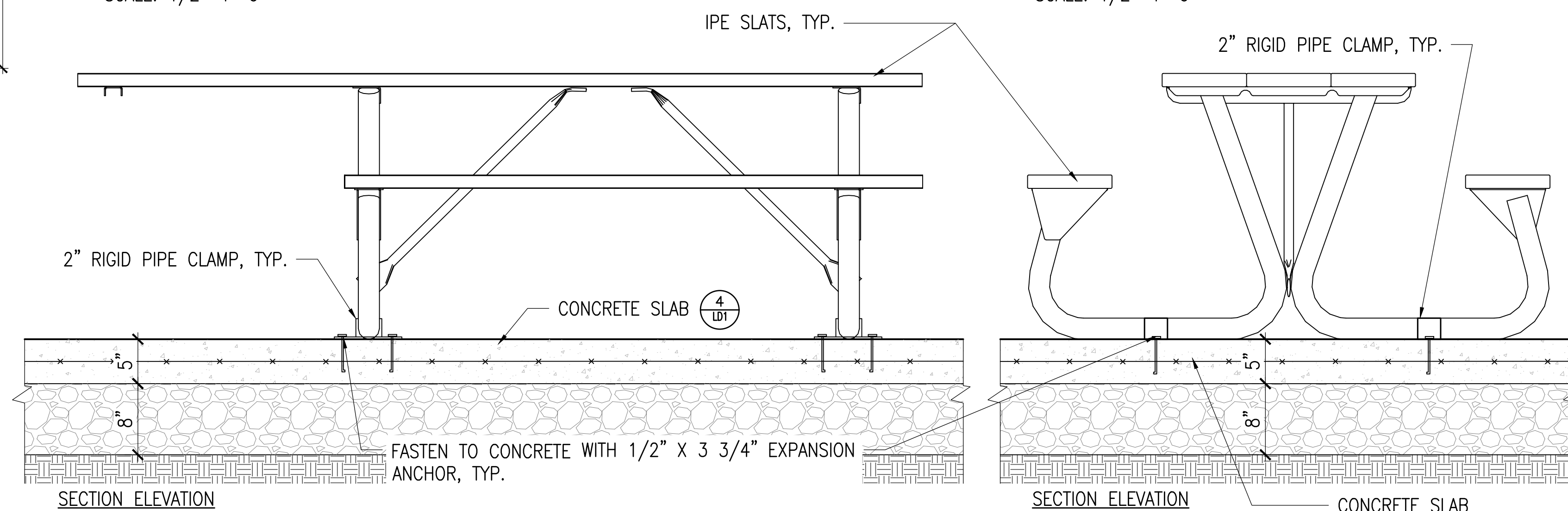
2 BACKED BENCH ON CONCRETE PAD

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



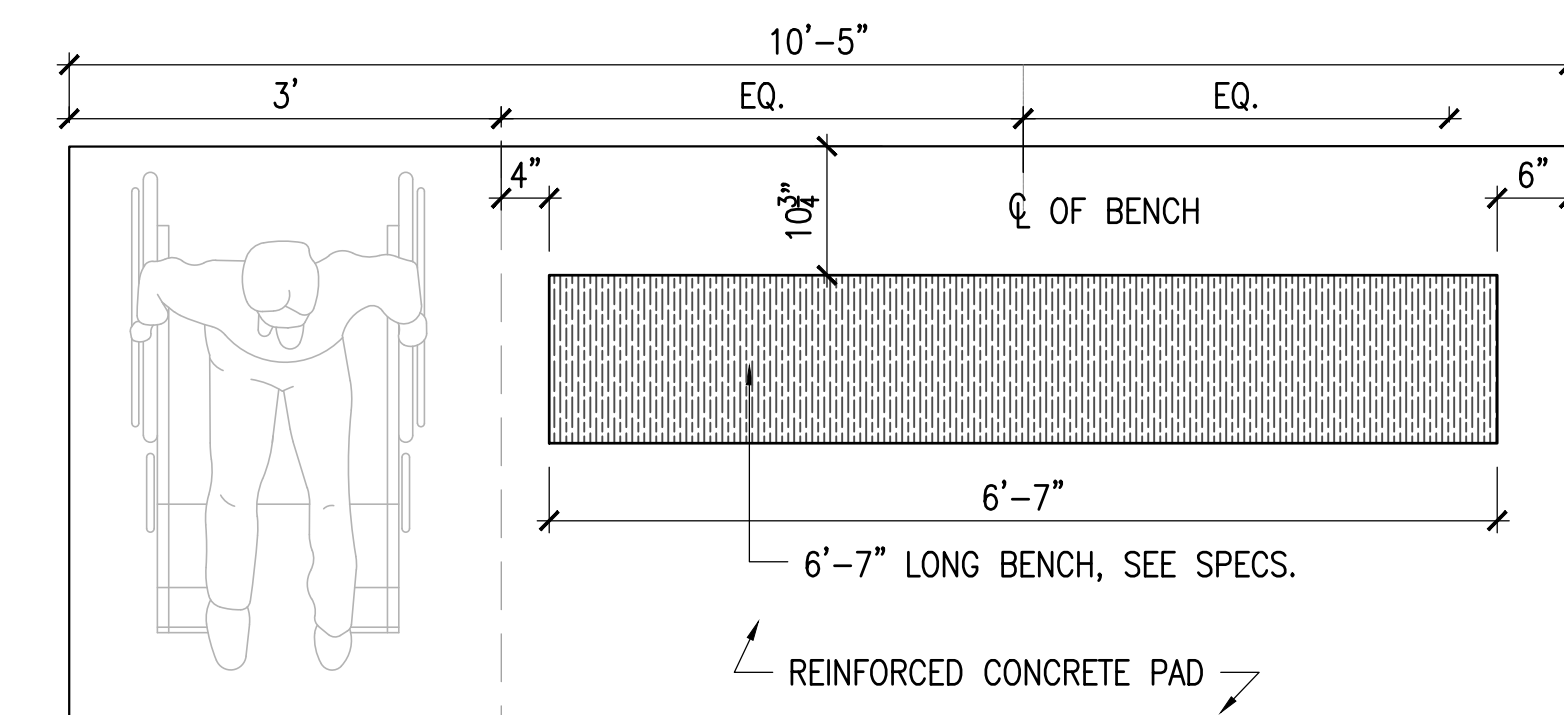
NOTE: TABLE TYPE VARIES, SEE PLAN/SEE SPECS.

PLAN  
SCALE: 1/2"=1'-0"

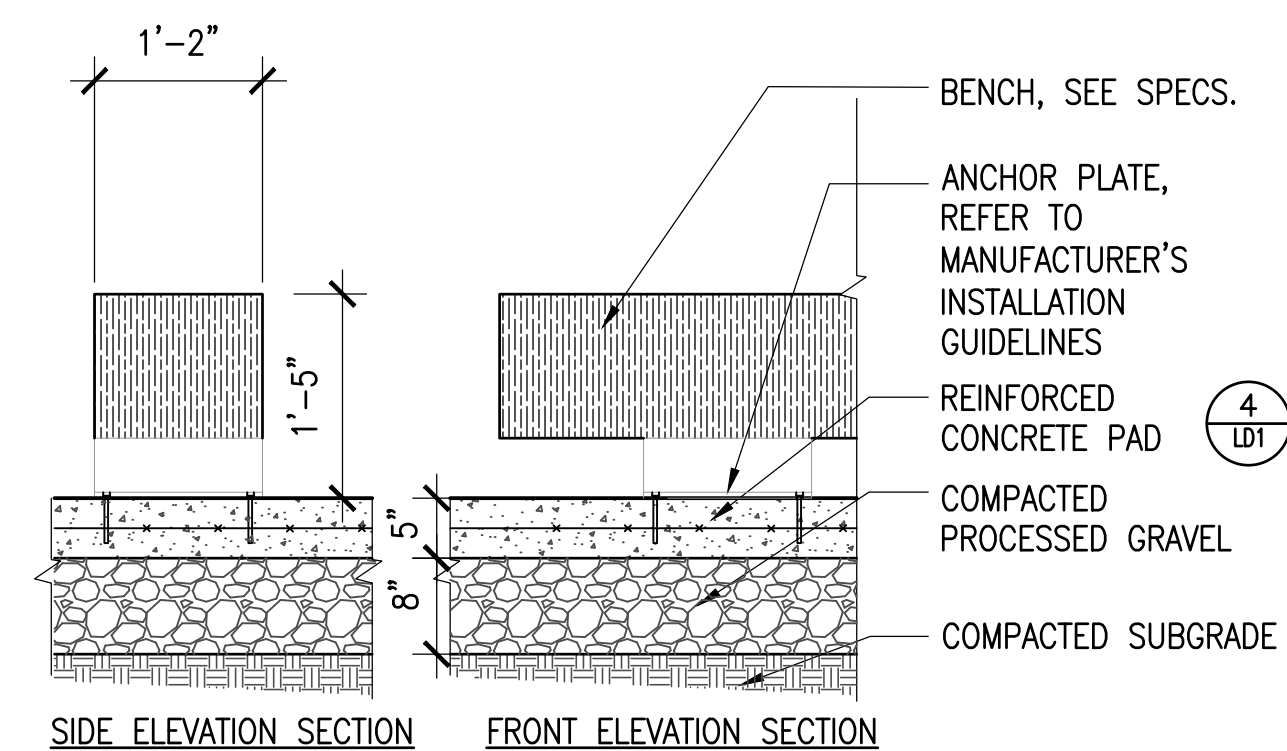


① PICNIC TABLE ON CONCRETE PAD

SCALE: NTS

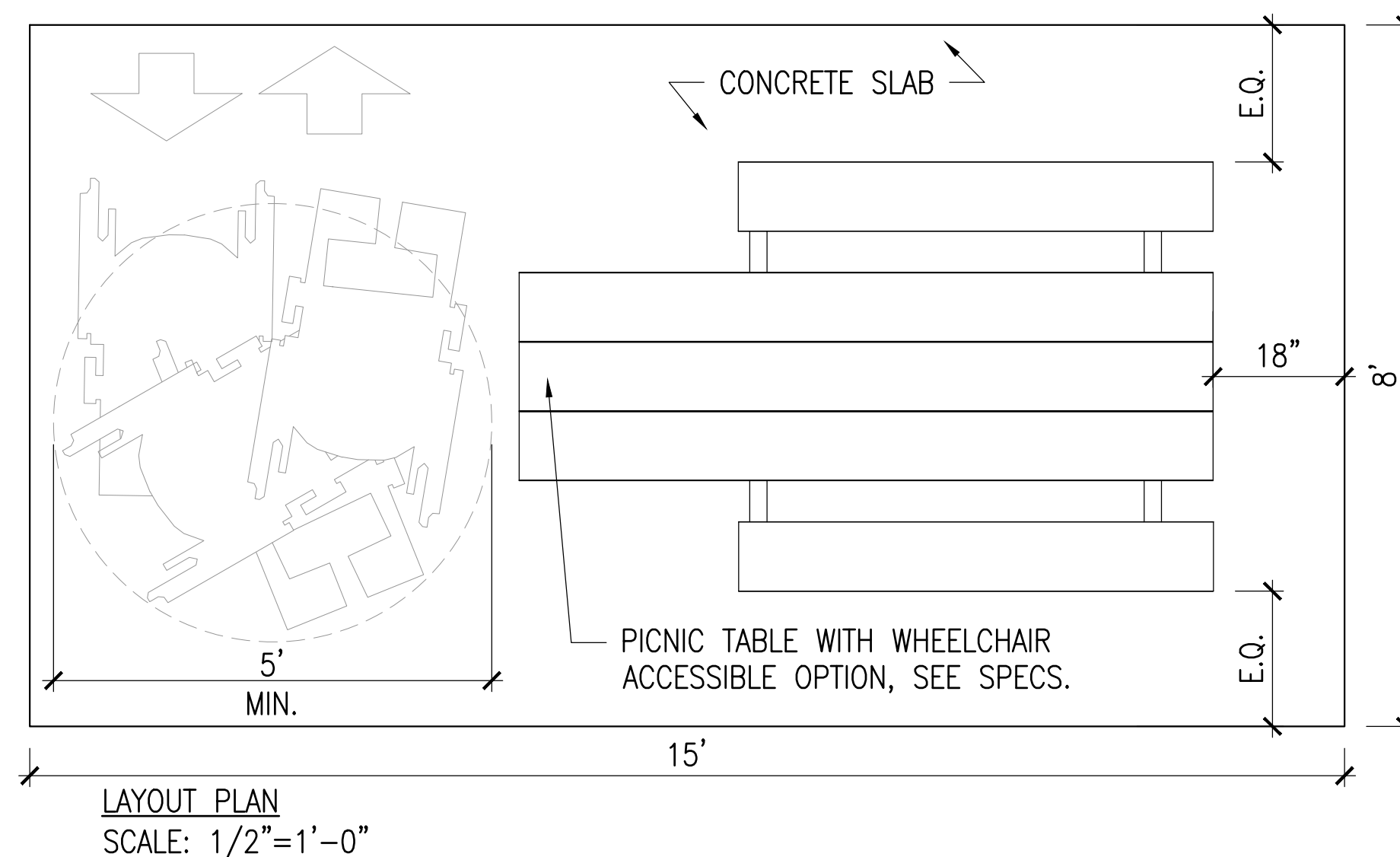


PLAN - 5-11" LONG BENCH WITH COMPANION SPACE. SEE PLAN FOR COMPANION SEAT LOCATIONS



## 2 BACKLESS BENCH ON CONCRETE PAD

SCALE:  $3/4" = 1' - 0"$



## LANDSCAPE DETAILS BEACH AND PLAYGROUND

TOWN OF GREAT BARRINGTON, MA  
334 MAIN ST.  
GREAT BARRINGTON, MA 01230

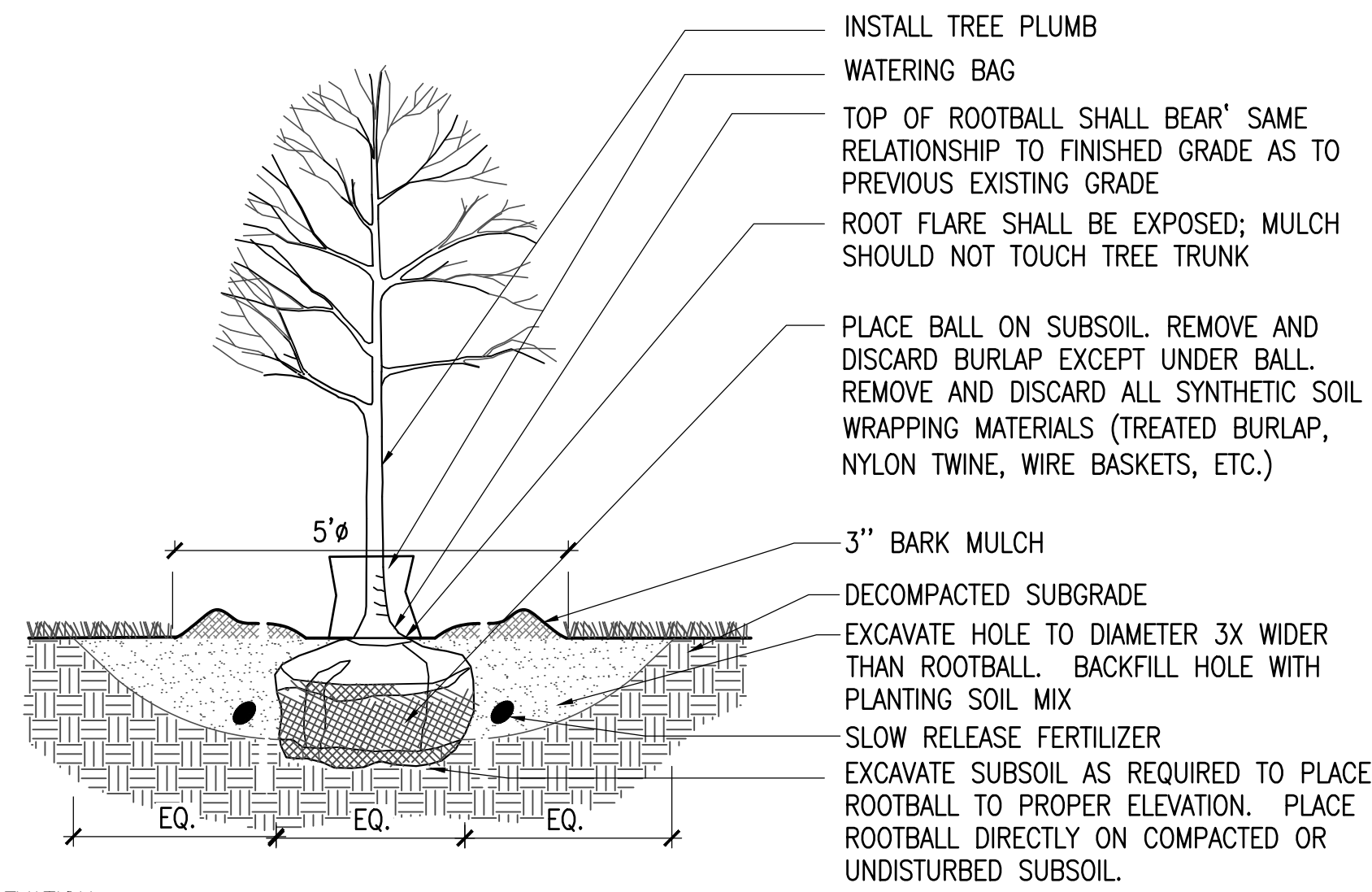
## LAKE MANSFIELD AREA IMPROVEMENTS

JOB NO.:  
DATE: MARCH 7, 2023  
SCALE: AS SHOWN  
SHEET: 7 OF 8

LD2



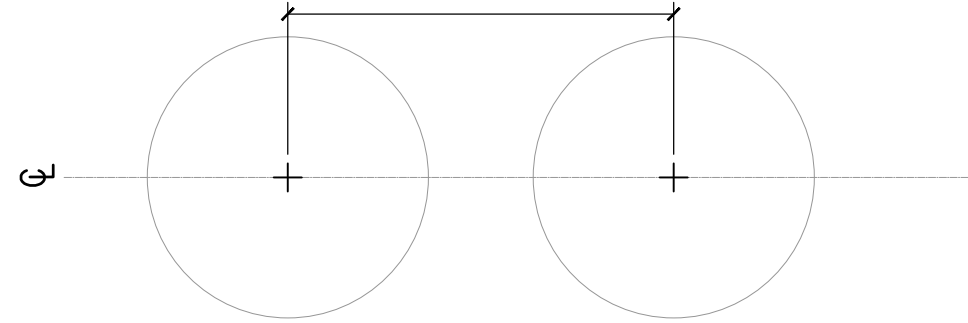
NOTES  
1. IF CONTAINER GROWN, SCARIFY SOIL AND  
ROOTS TO REMOVE CIRCLING ROOTS.



SECTION ELEVATION

## 1 DECIDUOUS TREE PLANTING

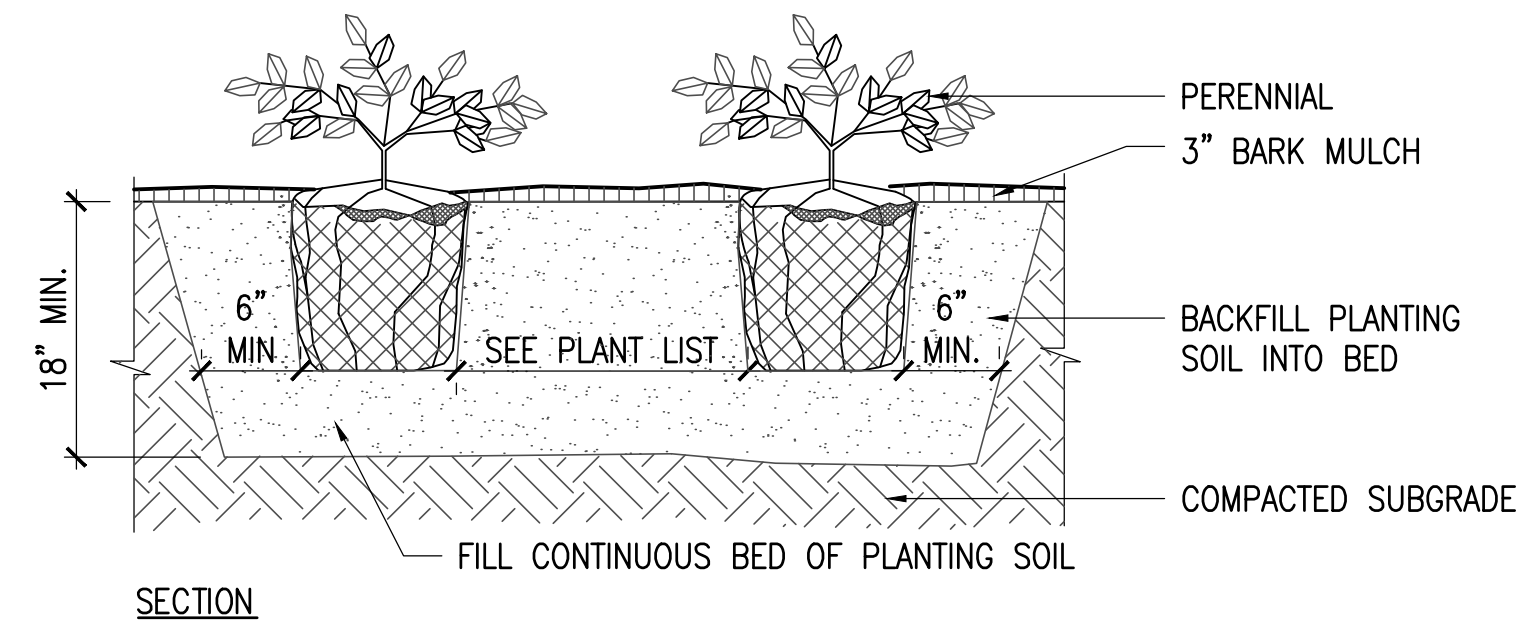
SCALE: NTS SPACING AS SHOWN ON PLANS



SECTION

## 2 SHRUB PLANTING

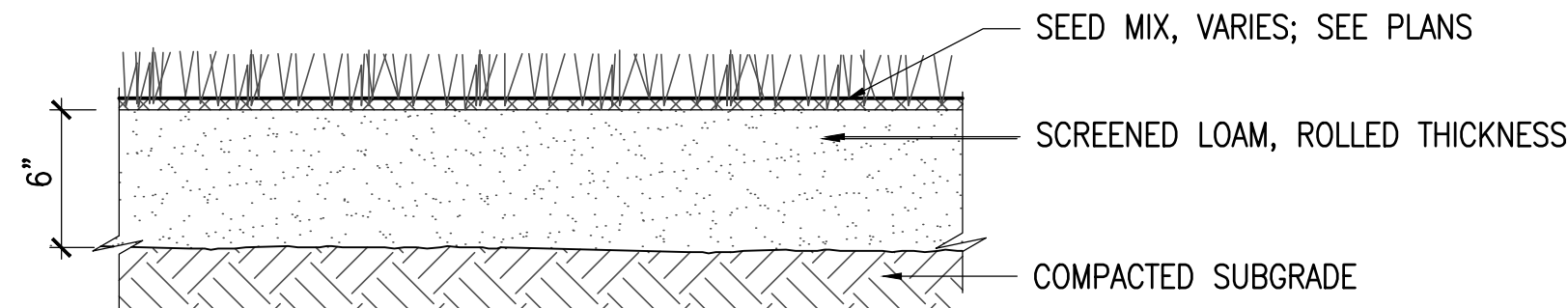
SCALE: 1-1/2"=1'-0"



SECTION

## 3 PERENNIAL PLANTING

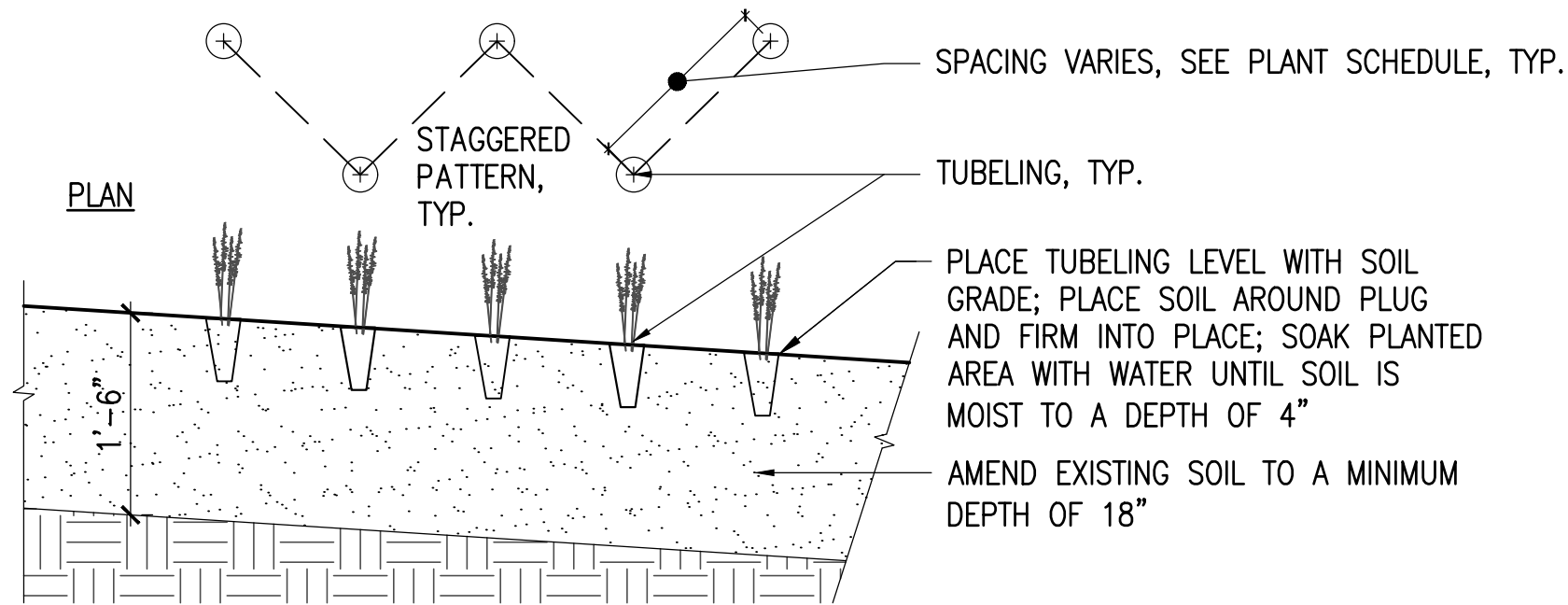
SCALE: 1-1/2"=1'-0"



SECTION

## 4 LOAM AND SEED

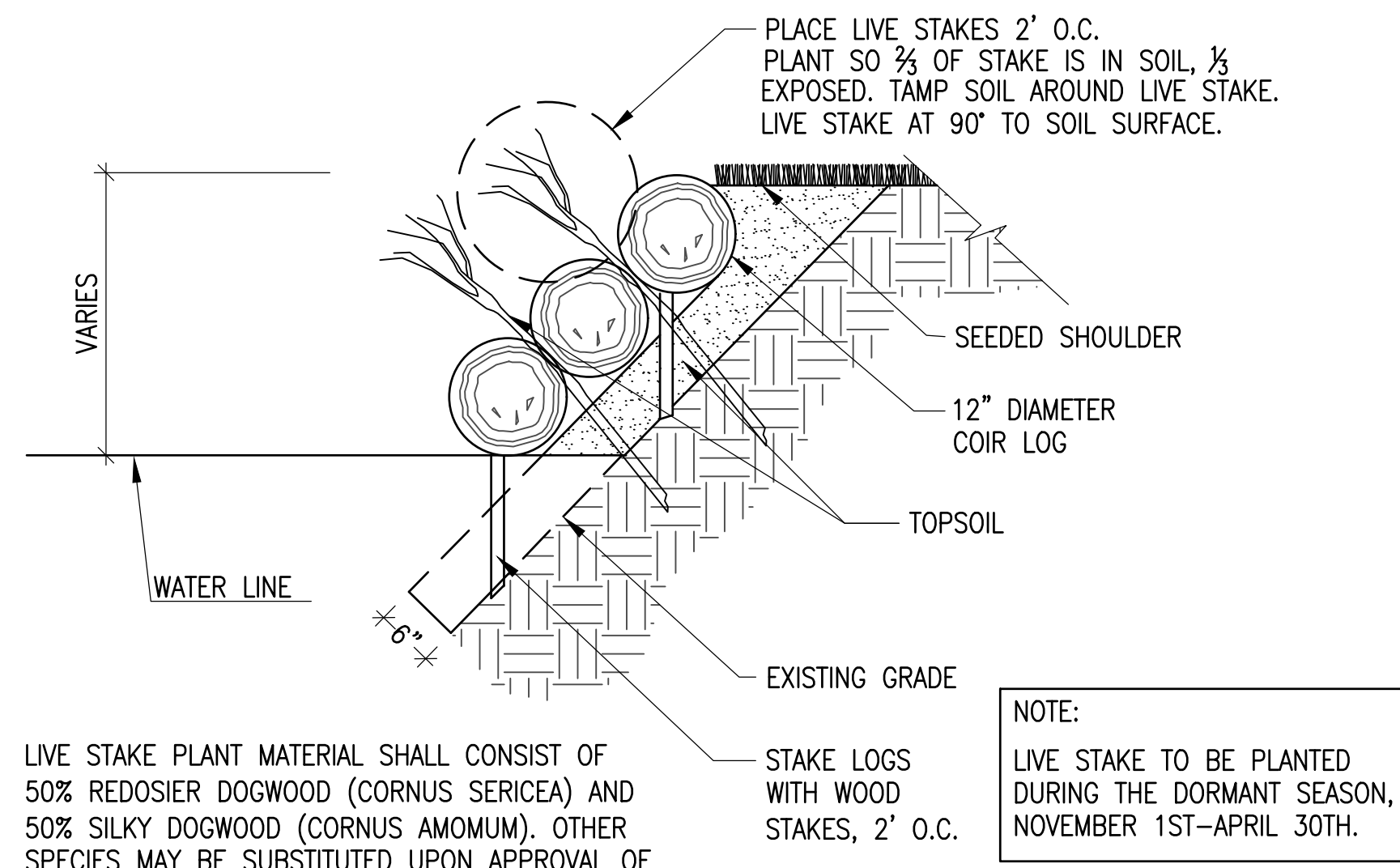
SCALE: 1-1/2" = 1'-0"



SECTION

## 5 TUBELING PLANTING

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



LIVE STAKE PLANT MATERIAL SHALL CONSIST OF 50% REDOSIER DOGWOOD (CORNUS SERICEA) AND 50% SILKY DOGWOOD (CORNUS AMOMUM). OTHER SPECIES MAY BE SUBSTITUTED UPON APPROVAL OF LANDSCAPE ARCHITECT.

NOTE:  
LIVE STAKE TO BE PLANTED DURING THE DORMANT SEASON, NOVEMBER 1ST-APRIL 30TH.

## 6 LIVE STAKING

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

### LANDSCAPE DETAILS MAIN PATHWAY

TOWN OF GREAT BARRINGTON, MA  
334 MAIN ST.  
GREAT BARRINGTON, MA 01230

LAKE MANSFIELD  
AREA IMPROVEMENTS

JOB NO.:  
DATE: MARCH 7, 2023  
SCALE: AS SHOWN  
SHEET: 8 OF 8

LD3