

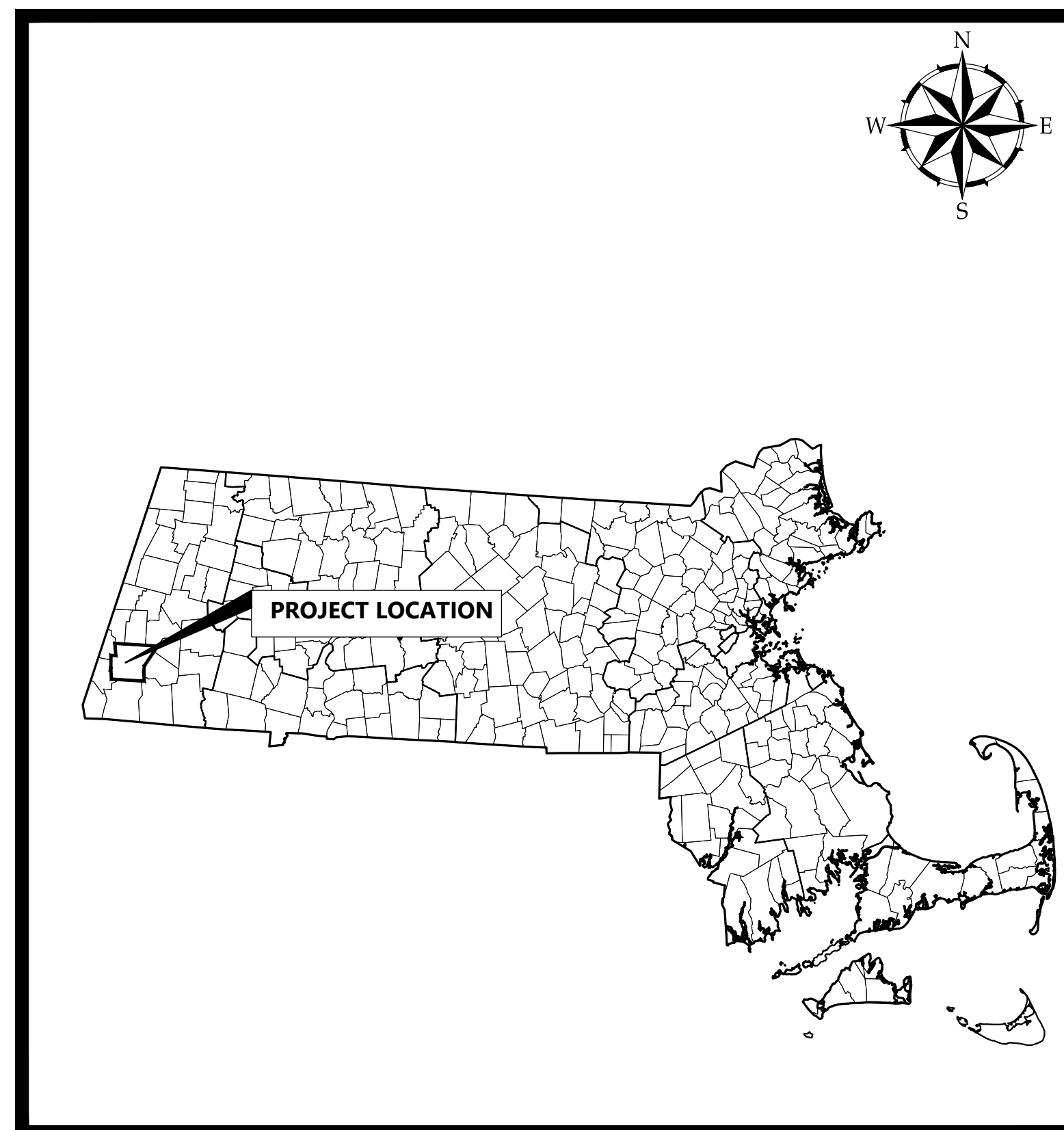
TOWN OF GREAT BARRINGTON

GREAT BARRINGTON, MASSACHUSETTS

LAKE MANSFIELD ROAD & PARKING AREA IMPROVEMENTS

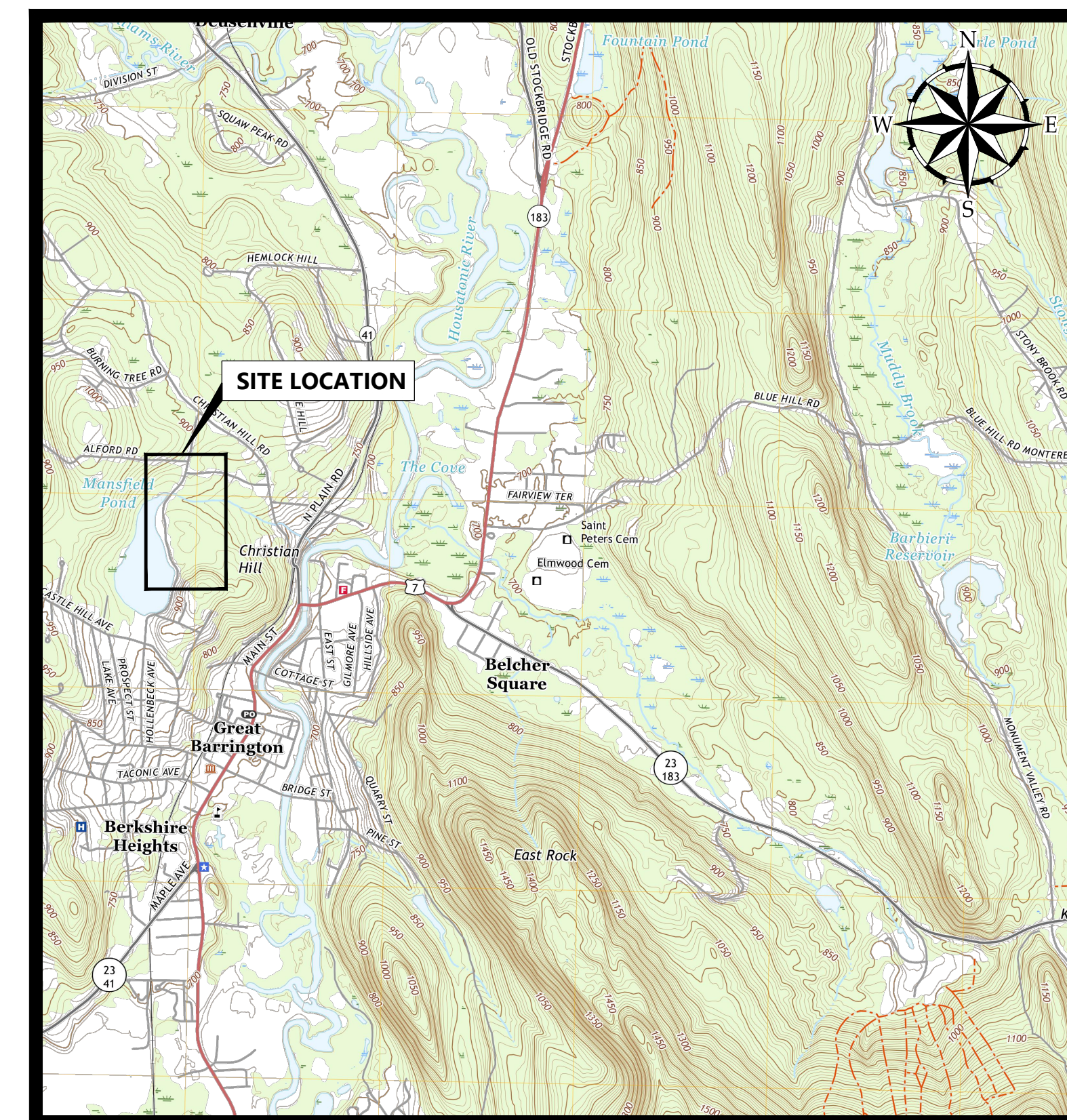
JANUARY, 2023

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PROJECT LOCATION MAP

NOT TO SCALE



SITE LOCATION MAP

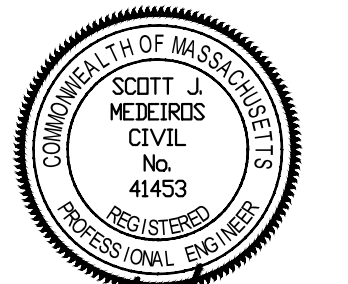
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CLIENT INFO:
**TOWN OF GREAT BARRINGTON,
GREAT BARRINGTON,
MASSACHUSETTS**

**LAKE MANSFIELD ROAD &
PARKING AREA
IMPROVEMENTS**

REV	MM/DD/YY	DESCRIPTION
JOB NO:	0229252.03	
DATE:	JANUARY, 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

\\woodardcurran.net\share\Projects\0229252.03 Great Barrington MA - Lake Mansfield Rec. Imp\vip\Drawings\General\22925203-G-001_G-002.dwg, Feb 20, 2023 - 12:26pm (DOW)

GENERAL NOTES:

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. GEOTECHNICAL 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: WE 167-0426

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 LAWNS 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 FACILITIES (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. SITE SAFETY IS THE 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 SUBMITTED IN BOTH DIGITAL AND HARD COPY FORMAT AS 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. WORK BEYOND THE LIMITS OF THE WATER, 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 HELD AT THE PROJECT SITE WITH THE CONTRACTOR, ENGINEER, OWNER, AND CONSERVATION OFFICE 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 TEMPORARY STABILIZED BY AN APPROVED METHOD.

25. PRIOR TO PLANTING OR SEEDING RESTORATION AREA, A LICENSED SURVEYOR SHALL

- SURVEY FINAL GRADES TO ENSURE GRADES HAVE BEEN ACHIEVED AS SHOWN ON PLANS.
26. CONTRACTOR SHALL DEMARCAT CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE AREAS PRIOR TO CONSTRUCTION.
27. AN ADEQUATE STOCKPILE OF EROSION AND SEDIMENTATION CONTROL MATERIALS SHALL BE ON SITE AT ALL TIMES FOR EMERGENCY OR ROUTINE REPLACEMENT.
28. THE CONSTRUCTION SITE SHALL BE MAINTAINED IN CLEAN CONDITIONS AT ALL TIMES AND CONSTRUCTION REFUSE AND DEBRIS SHALL BE DISPOSED OF PROMPTLY AND IN A LEGAL MANNER.
29. STORING, SERVICING, OR CLEANING OF TRUCKS OR EQUIPMENT SHALL BE PERFORMED IN AN UPLAND AREA AT A HORIZONTAL DISTANCE GREATER THAN 100 FEET FROM THE WETLAND RESOURCE AREAS.
30. ANY DAMAGE CAUSED AS A DIRECT RESULT OF CONSTRUCTION TO THE WETLAND RESOURCE AREAS SHALL BE REPAIRED, RESTORED AND/OR REPLACED. SEDIMENTATION OR EROSION SHALL BE CONSIDERED DAMAGED TO THE WETLAND RESOURCE AREAS. IF SEDIMENTATION REACHES THESE AREAS, THE CONSERVATION COMMISSION SHALL BE CONTACTED AND A PLAN FOR THE PROPOSED RESTORATION SHALL BE SUBMITTED FOR APPROVAL.

BOX CULVERT NOTES:

1. 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 SDC A REQUIREMENTS
 - 12" TOP SLAB, FLOOR, AND WALLS
 - 5,000 PSI, 28 DAY STRENGTH CONCRETE
 - GRADE 60 REBAR WITH 2" COVER ON ALL FACES
 - DOI 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 CONFORMITY TO 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 ALL AROUND. 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 SURFACES. A POSITIVE MEANS, THROUGH THE USE OF SEATING DEVICES, SHALL BE USED FOR PULLING ONE SECTION AGAINST ANOTHER TO ASSURE 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.

UTILITIES:

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.

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:
 - PAVEMENTS AND CONCRETE SURFACES: FLUSH
 - ALL SURFACES ALONG ACCESSIBLE ROUTES: FLUSH
 - LANDSCAPE OR LOAM AND SEED AREAS: ONE INCH ABOVE SURROUNDING AREA AND TAPER EARTH TO THE RIM ELEVATION.
 - 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 LOCATION IS UNKNOWN. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF UNDERGROUND ELECTRIC.

RESTORATION PLANTING:

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.

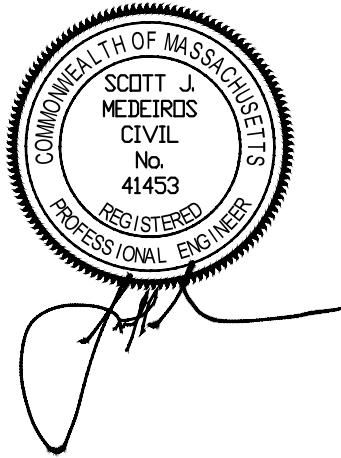
10. A WATERING SCHEDULE IS REQUIRED FOR AREAS ABOVE BANK, INCLUDING A DEEP WATERING AT THE TIME OF PLANTING. WATERING SCHEDULE SHALL BE PROVIDED TO THE OWNER AND ENGINEER FOR APPROVAL PRIOR TO PLANTING.



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GREAT BARRINGTON,
MASSACHUSETTS

LAKE MANSFIELD ROAD &
PARKING AREA IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
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JOB NO: 0229252.03

DATE: JANUARY, 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

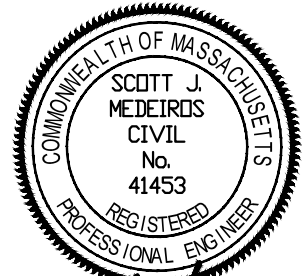


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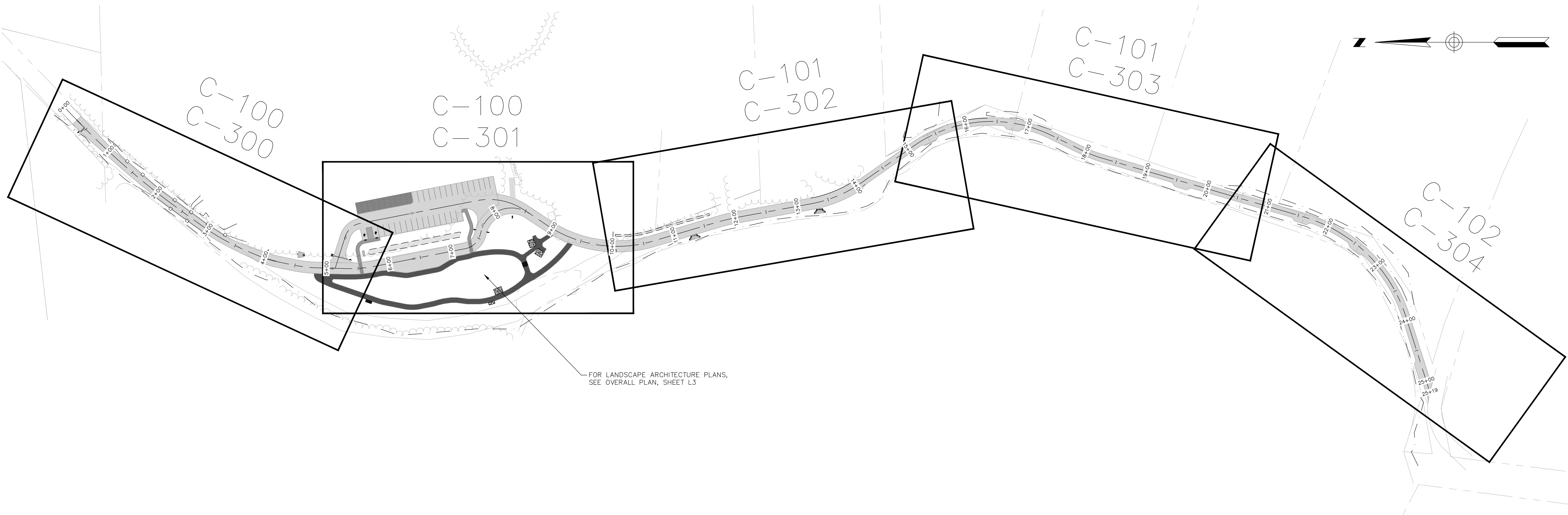
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DRAWING TITLE:
**GENERAL
INDEX, KEY PLAN,
ABBREVIATIONS, & LEGEND**

DRAWING NO:

G-002

SHEET: 3 OF 28



FOR LANDSCAPE ARCHITECTURE PLANS,
SEE OVERALL PLAN, SHEET L3

SHEET INDEX	
SHEET NUMBER	SHEET DESCRIPTION
GENERAL	
G-000	COVER SHEET
G-001	GENERAL NOTES
G-002	INDEX, KEY PLAN, ABBREVIATIONS, & LEGEND
CIVIL	
C-100	EXISTING COND, DEMO, & EROSION PLAN - 1
C-101	EXISTING COND, DEMO, & EROSION PLAN - 2
C-102	EXISTING COND, DEMO, & EROSION PLAN - 3
C-200	PROPOSED SITE LAYOUT - 1
C-201	PROPOSED SITE LAYOUT - 2
C-202	PROPOSED SITE LAYOUT - 3
C-203	PROPOSED SITE LAYOUT - 4
C-300	LAKE MANSFIELD ROAD PLAN AND PROFILE - 1
C-301	LAKE MANSFIELD ROAD PLAN AND PROFILE - 2
C-302	LAKE MANSFIELD ROAD PLAN AND PROFILE - 3
C-303	LAKE MANSFIELD ROAD PLAN AND PROFILE - 4
C-304	LAKE MANSFIELD ROAD PLAN AND PROFILE - 5
C-305	LAKE MANSFIELD PARKING LOT PLAN AND PROFILE - 6
C-400	SITE DETAILS - 1
C-401	SITE DETAILS - 2
C-402	SITE DETAILS - 3
C-403	SITE DETAILS - 4
L1	SITE PREPARATION AND DEMO PLAN - BEACH AND PLAYGROUND
L2	SITE IMPROVEMENT PLAN - MAIN BEACH AND PLAYGROUND
L3	SITE IMPROVEMENT AND PLANTING PLAN - MAIN PATHWAY
L4	PLANTING PLAN - BEACH AND PLAYGROUND
L5	PLANTING ENLARGEMENT - BEACH AND PLAYGROUND
LD1	LANDSCAPE DETAILS - BEACH AND PLAYGROUND
LD2	LANDSCAPE DETAILS - BEACH AND PLAYGROUND
LD3	LANDSCAPE DETAILS - MAIN PATHWAY

**RESOURCE AREA
IMPACT TABLE
(TOTAL)**

	PERMANENT	TEMPORARY
BANK	0 L.F.	260 L.F.
BORDERING VEGETATED WETLAND (BVW)	0 S.F.	1,316 S.F.
LAND UNDER WATERBODIES & WATERWAYS (LUWW)	0 S.F.	6 S.F.
TOTAL	0 S.F. 0 L.F.	1,322 S.F. 260 L.F.

NOTE: RESOURCE AREA IMPACTS SHOWN IN THIS TABLE DO NOT INCLUDE
RESOURCE AREA IMPACTS PREVIOUSLY PERMITTED UNDER MASSDEP FILE
#167-0426.

**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.

NOTE: RESOURCE AREA IMPACTS SHOWN IN THIS TABLE ONLY INCLUDE
RESOURCE AREA IMPACTS PREVIOUSLY PERMITTED UNDER MASSDEP FILE
#167-0426.

LEGEND

EXISTING LINETYPES

---	PROPERTY LINE
---10---	CONTOUR
---OE---	OVERHEAD ELECTRIC
---W---	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)

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
CD	CONTROLLED DENSITY FILL	ELEC COND	ELECTRICAL CONDUIT	OC	ON CENTER
BOT	BOTTOM	EOP	EDGE OF PAVEMENT	OD	OUTSIDE DIAMETER
BVW	BORDERING VEGETATED WETLAND	EQUIP	EQUIPMENT	PSI	POUNDS PER SQUARE INCH
CL	CATCH LINE	EXIST/EX.	EXISTING	PVC	POLYVINYL CHLORIDE
CB	CATCH BASIN	FES	FLARED END SECTION	R	RADIUS
CD	CONTROLLED DENSITY FILL	FFE	FINISHED FLOOR ELEVATION	RCP	REINFORCED CONCRETE PIPE
CI	CAST IRON	FIN	FINISHED	REINF	REINFORCED
CLDI	CONCRETE LINED DUCTILE IRON	FM	FORCE MAIN	REQ'D	REQUIRED
CMP	CORRUGATED METAL PIPE	FND	FOUND	RET	RETAINING WALL
CO	CLEANOUT	FT	FOOT	ROW	RIGHT OF WAY
CONC.	CONCRETE	HDPE	HIGH DENSITY POLYETHYLENE	SMH	SEWER MANHOLE
CONST	CONSTRUCTION	IN	INCHES	STD	STANDARD
CONT	CONTINUOUS	INV	INVERT	TBM	TEMPORARY BENCH MARK
CVP	CERTIFIED VERNAL POOL	IWV	ISOLATED VEGETATED WETLAND	TOC	TOP OF CURB
DI	DUCTILE IRON	LW	LIMIT OF WORK	TYP	TYPICAL
DIA/ø	DIAMETER	MAHW	MEAN ANNUAL HIGH WATER	UP	UTILITY POLE
DLCB	DOUBLE GRATE CATCH BASIN	MAX	MAXIMUM	VGC	VERTICAL GRANITE CURB
DMH	DRAIN MANHOLE	MH	MANHOLE	WG	WATER GATE VALVE
		MIN	MINIMUM		

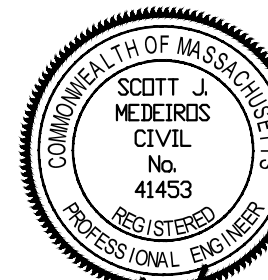


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CLIENT INFO:

TOWN OF GREAT BARRINGTON
GREAT BARRINGTON,
MASSACHUSETTS

LAKE MANSFIELD ROAD &
PARKING AREA IMPROVEMENTS

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

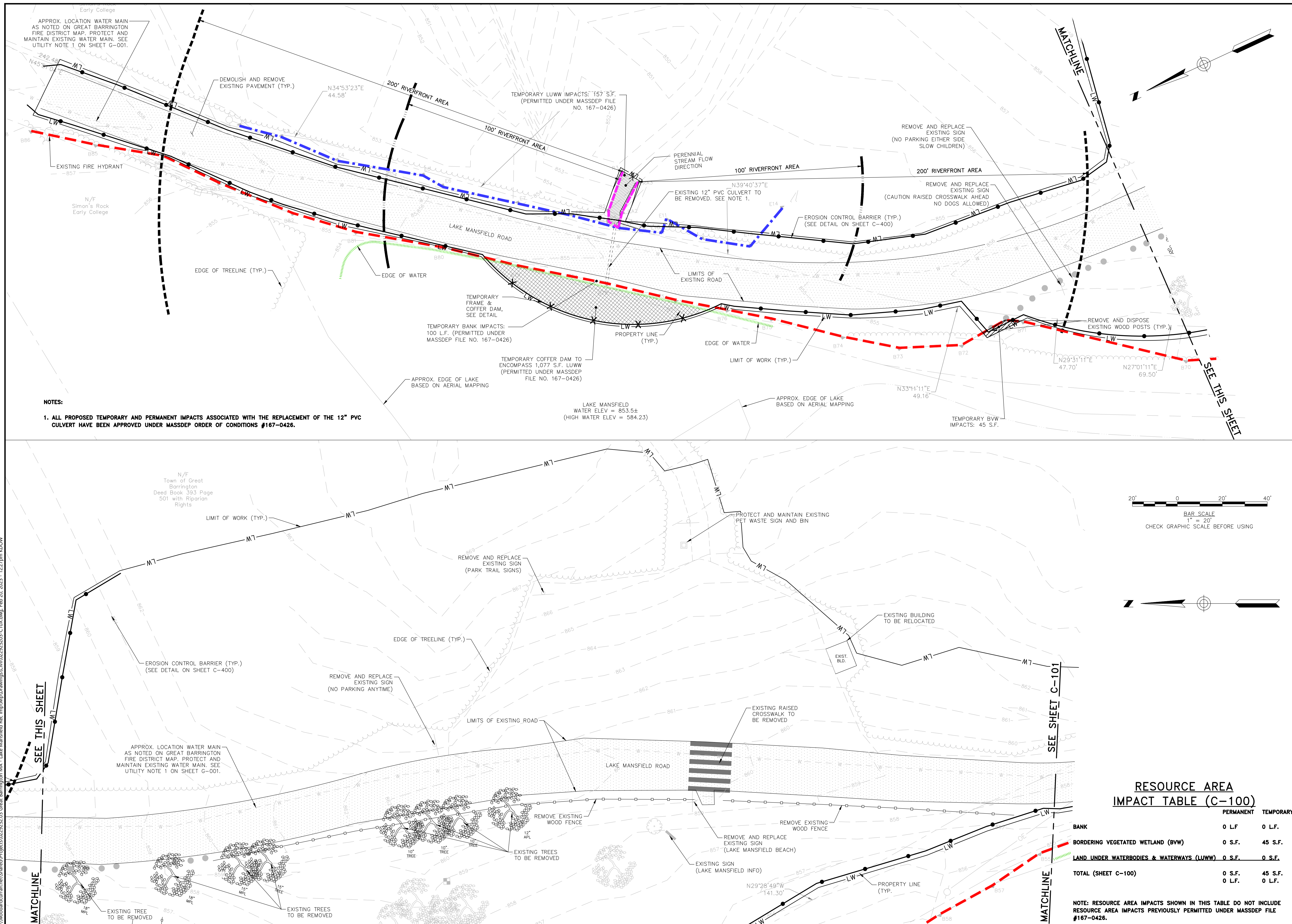
DRAWING TITLE:

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

DRAWING NO:

C-100

SHEET: 4 OF 28



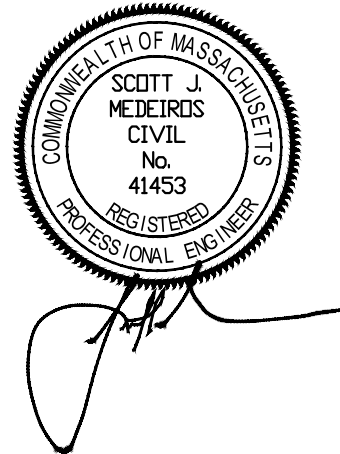


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MASSACHUSETTS

LAKE MANSFIELD ROAD &
PARKING AREA IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
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JOB NO: 0229252.03

DATE: JANUARY, 2023

SCALE: 1"=20'

DESIGNED BY: SMK

DRAWN BY: SMK

CHECKED BY: MM

FILENAME: 022925203-C10X.dwg

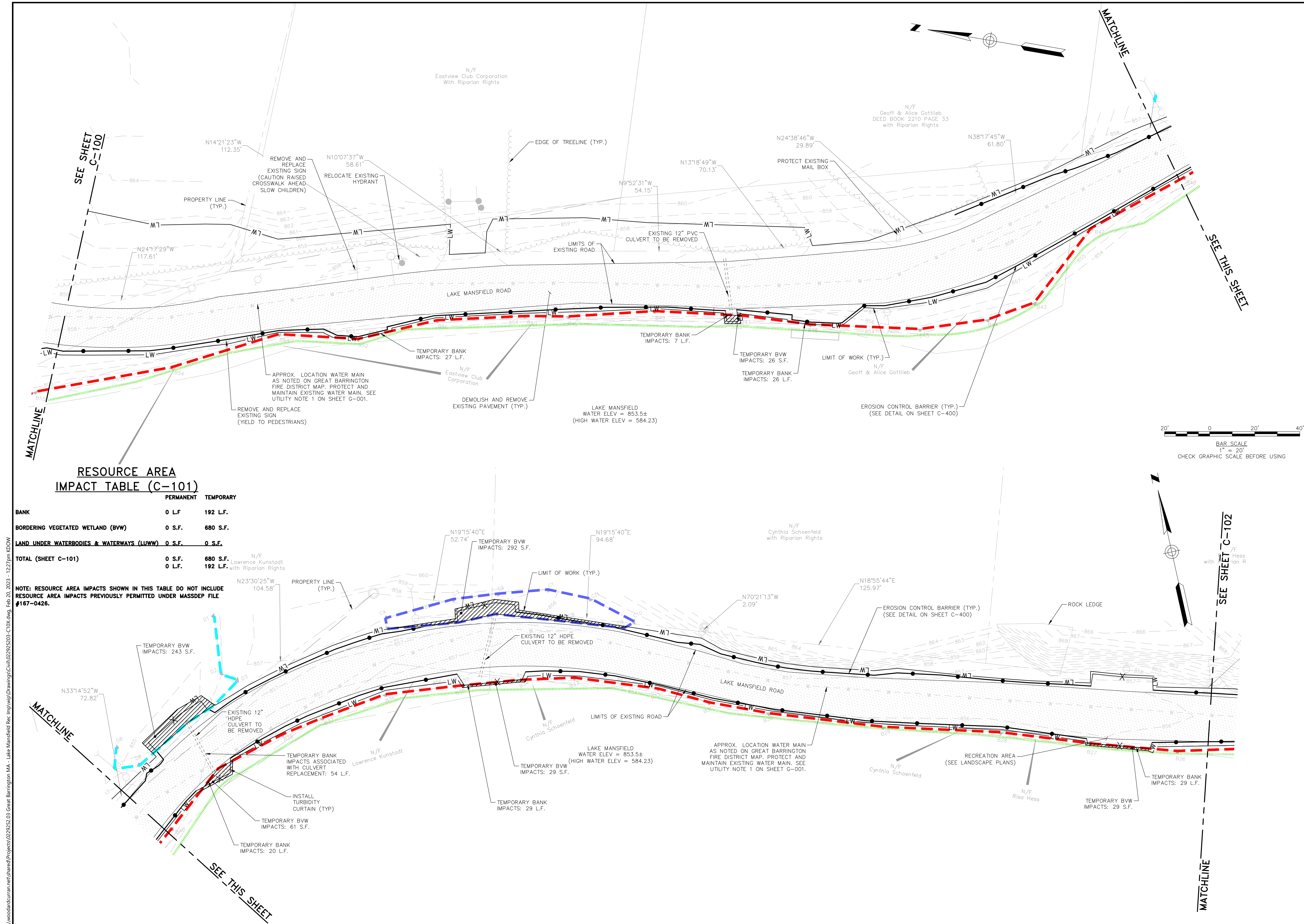
DRAWING TITLE:

**CIVIL
EXISTING COND, DEMO, &
EROSION PLAN - 2**

DRAWING NO:

C-101

SHEET: 5 OF 28



**RESOURCE AREA
IMPACT TABLE (C-101)**

	PERMANENT	TEMPORARY
BANK	0 L.F.	192 L.F.
BORDERING VEGETATED WETLAND (BVW)	0 S.F.	680 S.F.
LAND UNDER WATERBODIES & WATERWAYS (LUWW)	0 S.F.	0 S.F.
TOTAL (SHEET C-101)	0 S.F. 0 L.F.	680 S.F. 192 L.F.

NOTE: RESOURCE AREA IMPACTS SHOWN IN THIS TABLE DO NOT INCLUDE
RESOURCE AREA IMPACTS PREVIOUSLY PERMITTED UNDER MASSDEP FILE
#167-0426.

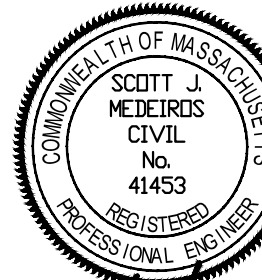


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MASSACHUSETTS

LAKE MANSFIELD ROAD &
PARKING AREA IMPROVEMENTS

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

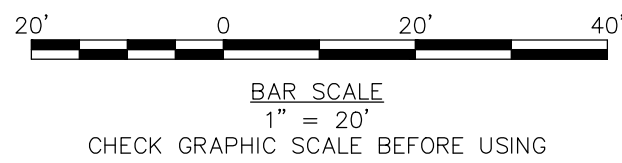
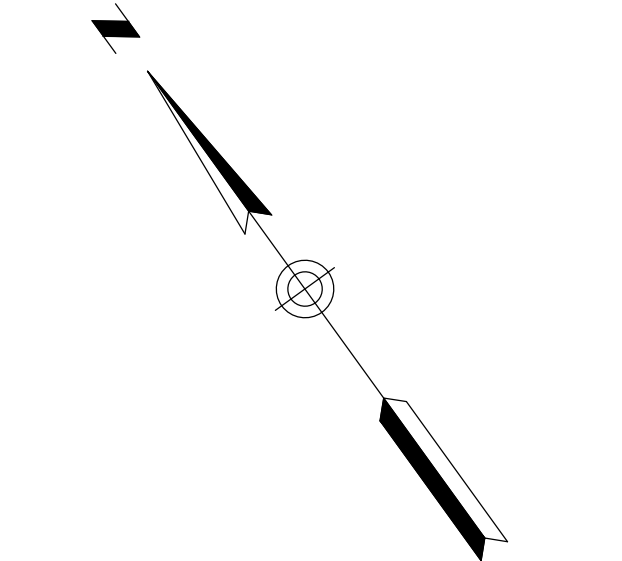
DRAWING TITLE:

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

DRAWING NO:

C-102

SHEET: 6 OF 28



MATCHLINE

SEE SHEET C-101

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

	PERMANENT	TEMPORARY
BANK	0 L.F.	68 L.F.
BORDERING VEGETATED WETLAND (BVW)	0 S.F.	591 S.F.
LAND UNDER WATERBODIES & WATERWAYS (LUWW)	0 S.F.	8 S.F.
TOTAL (SHEET C-102)	0 S.F. 0 L.F.	597 S.F. 68 L.F.

NOTE: RESOURCE AREA IMPACTS SHOWN IN THIS TABLE DO NOT INCLUDE
RESOURCE AREA IMPACTS PREVIOUSLY PERMITTED UNDER MASSDEP FILE
#187-0426.

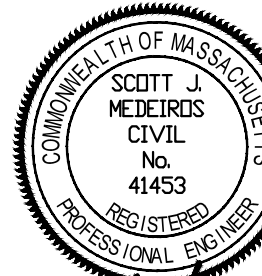


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LAKE MANSFIELD ROAD &
PARKING AREA IMPROVEMENTS

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

JOB NO:	0229252.03
DATE:	JANUARY, 2023
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DRAWN BY:	SMK
CHECKED BY:	MM
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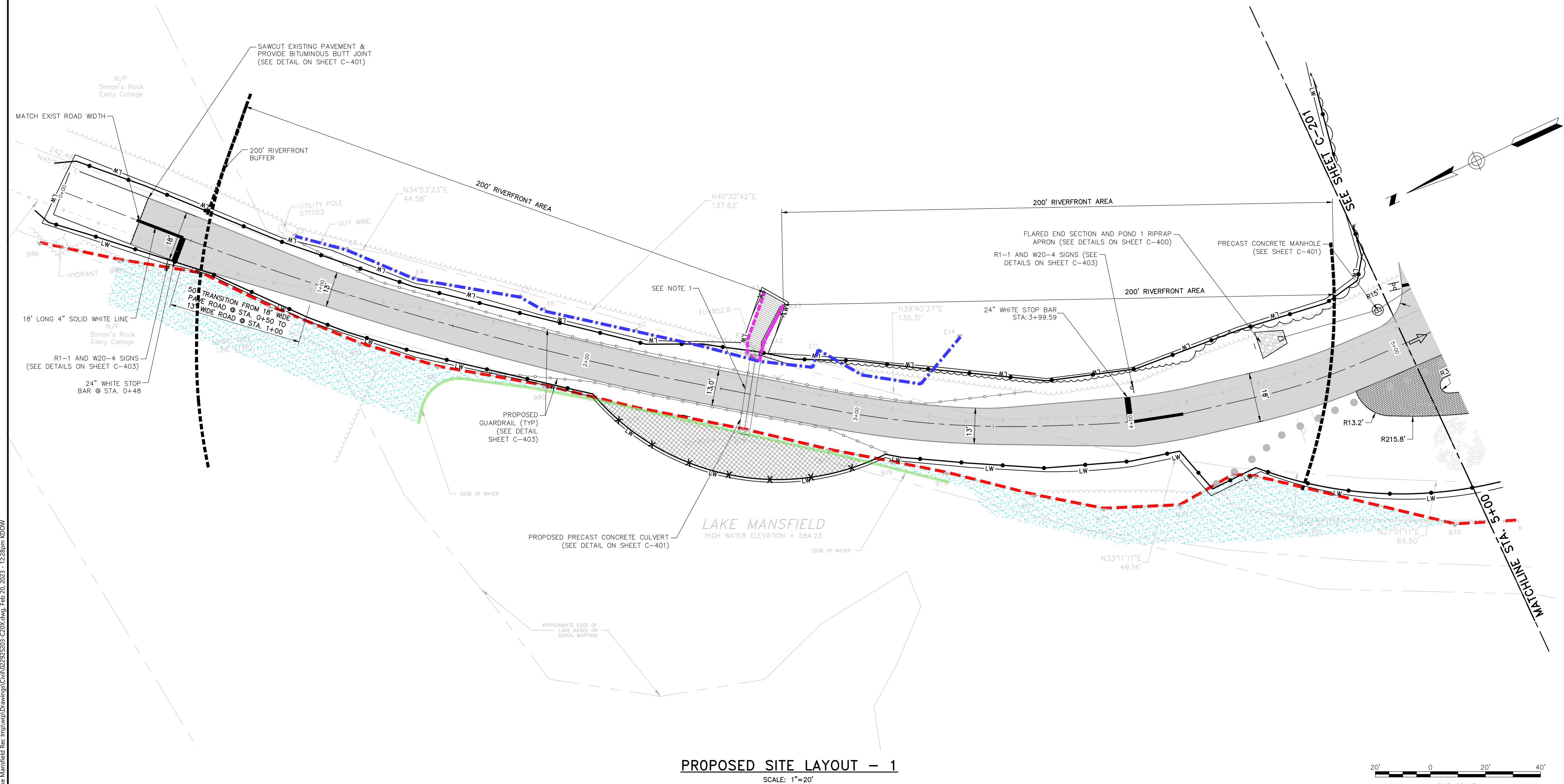
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**CIVIL
PROPOSED SITE LAYOUT - 1**

DRAWING NO:

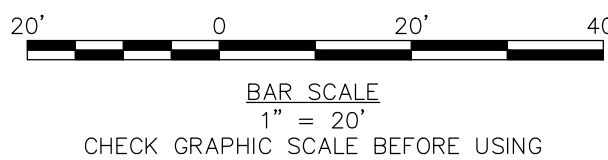
C-200

SHEET: 7 OF 28



PROPOSED SITE LAYOUT - 1

SCALE: 1"=20'



NOTE:

1. ALL PROPOSED TEMPORARY AND PERMANENT IMPACTS ASSOCIATED WITH THE REPLACEMENT OF THE 12" PVC CULVERT HAVE BEEN APPROVED UNDER MASSDEP FILE NUMBER 167-0426.

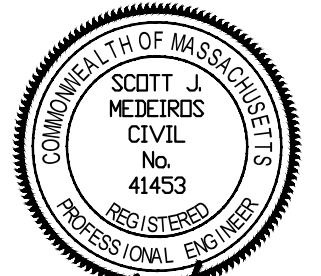


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MASSACHUSETTS

LAKE MANSFIELD ROAD &
PARKING AREA IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
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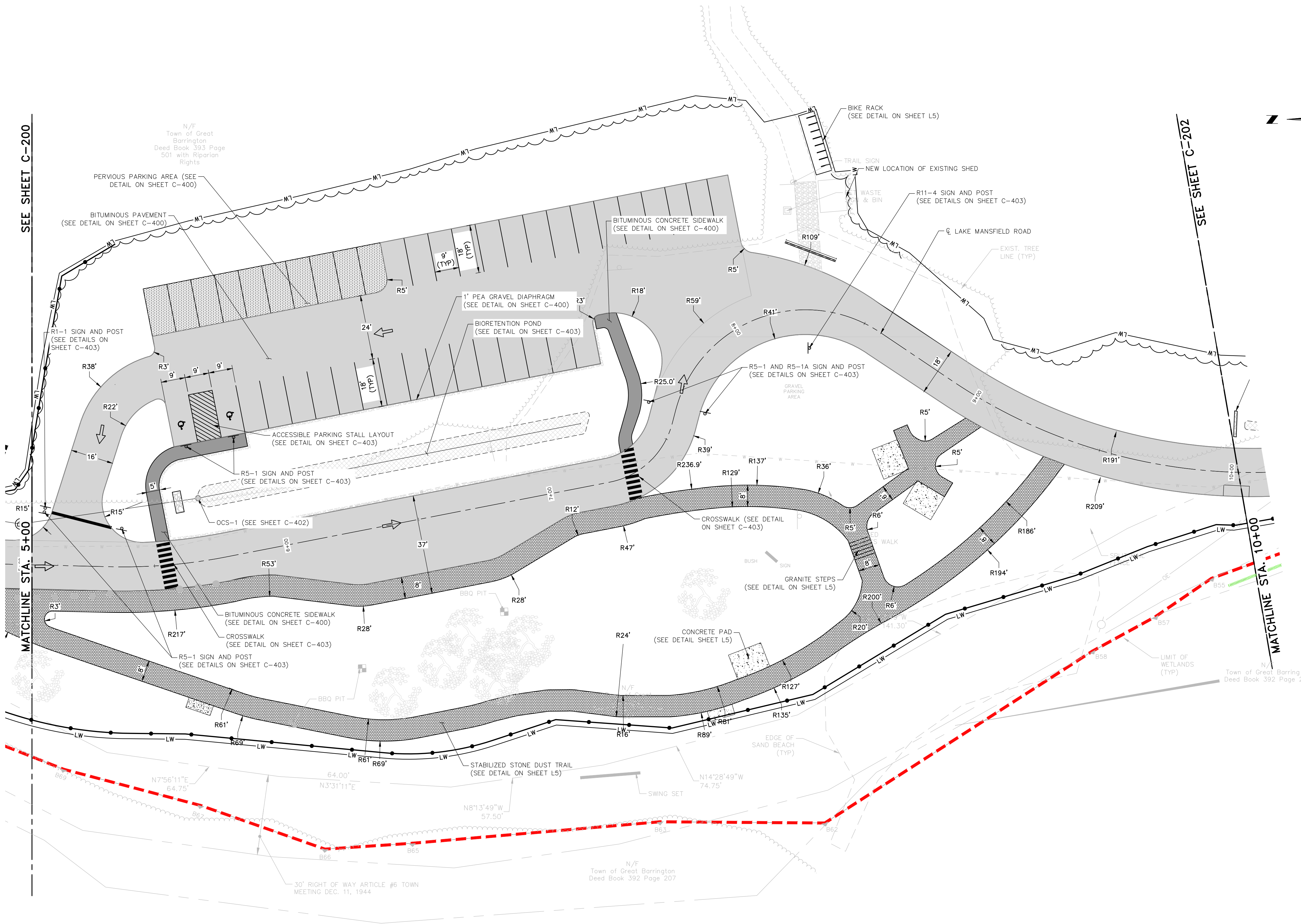
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DATE:	JANUARY, 2023
SCALE:	1"=20'
DESIGNED BY:	SMK
DRAWN BY:	SMK
CHECKED BY:	MM
FILENAME:	022925203-C20X.dwg

DRAWING TITLE:
**CIVIL
PROPOSED SITE LAYOUT - 2**

DRAWING NO:

C-201

SHEET: 8 OF 28



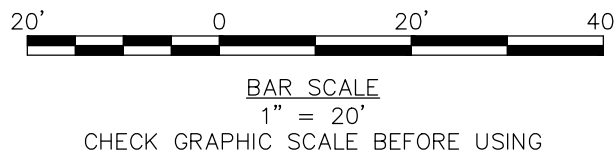
LAKE MANSFIELD
WATER EL=853.5±

PROPOSED SITE LAYOUT - 2

SCALE: 1"=20'

NOTE:

1. ALL PROPOSED TEMPORARY AND PERMANENT IMPACTS ASSOCIATED WITH THE REPLACEMENT OF THE 12" PVC CULVERT HAVE BEEN APPROVED UNDER MASSDEP FILE NUMBER 167-0426.



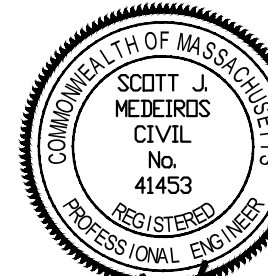


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LAKE MANSFIELD ROAD &
PARKING AREA IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
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JOB NO:	0229252.03
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DATE:	JANUARY, 2023
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SCALE:	1"=20'
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DESIGNED BY:	SMK
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DRAWN BY:	SMK
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CHECKED BY:	MM
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FILENAME:	022925203-C20X.dwg
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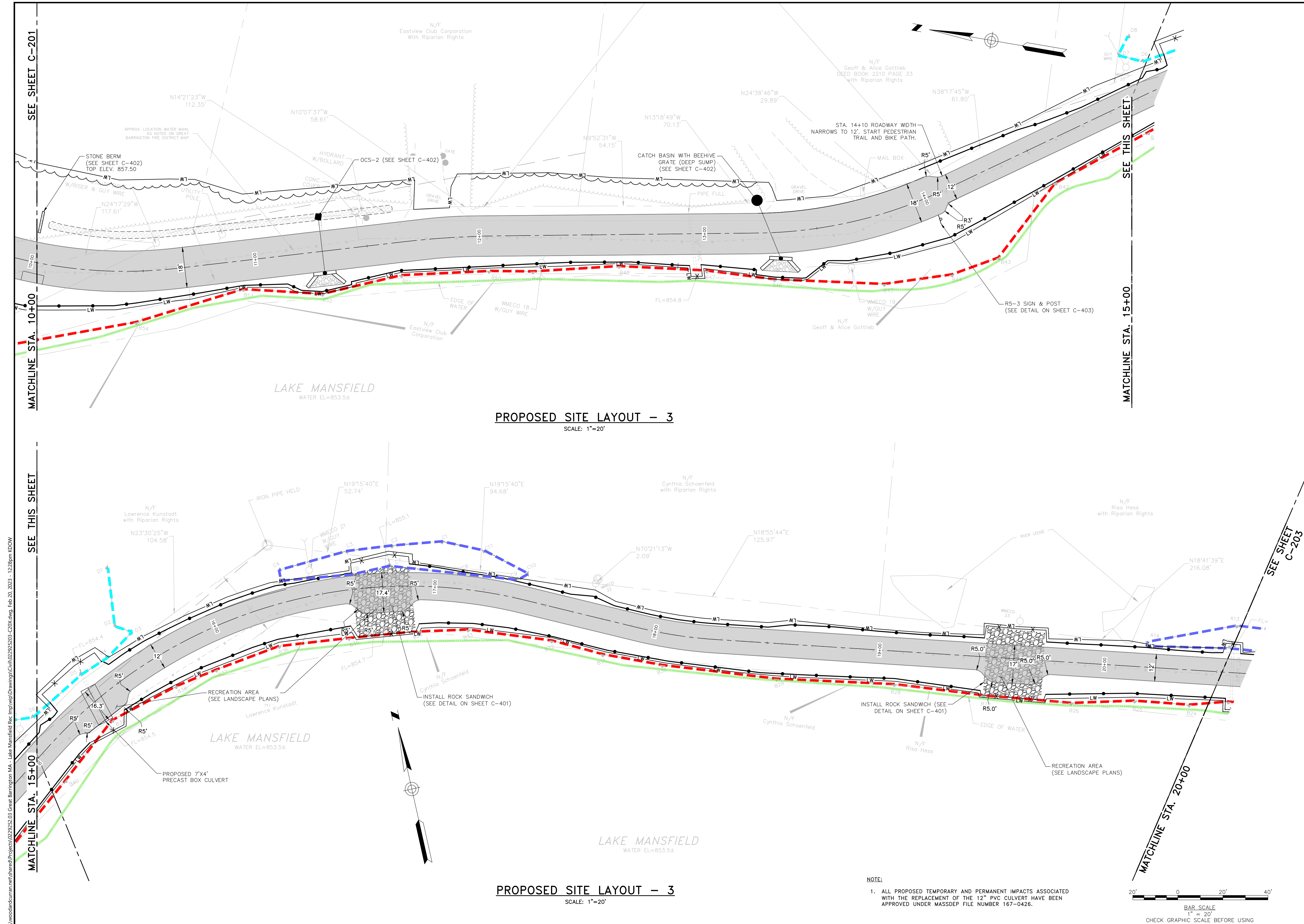
DRAWING TITLE:

**CIVIL
PROPOSED SITE LAYOUT - 3**

DRAWING NO:

C-202

SHEET: 9 OF 28



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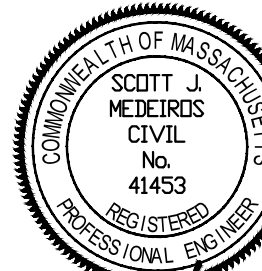


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MASSACHUSETTS

LAKE MANSFIELD ROAD &
PARKING AREA IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
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JOB NO:	0229252.03
DATE:	JANUARY, 2023
SCALE:	1"=20'
DESIGNED BY:	SMK
DRAWN BY:	SMK
CHECKED BY:	MM
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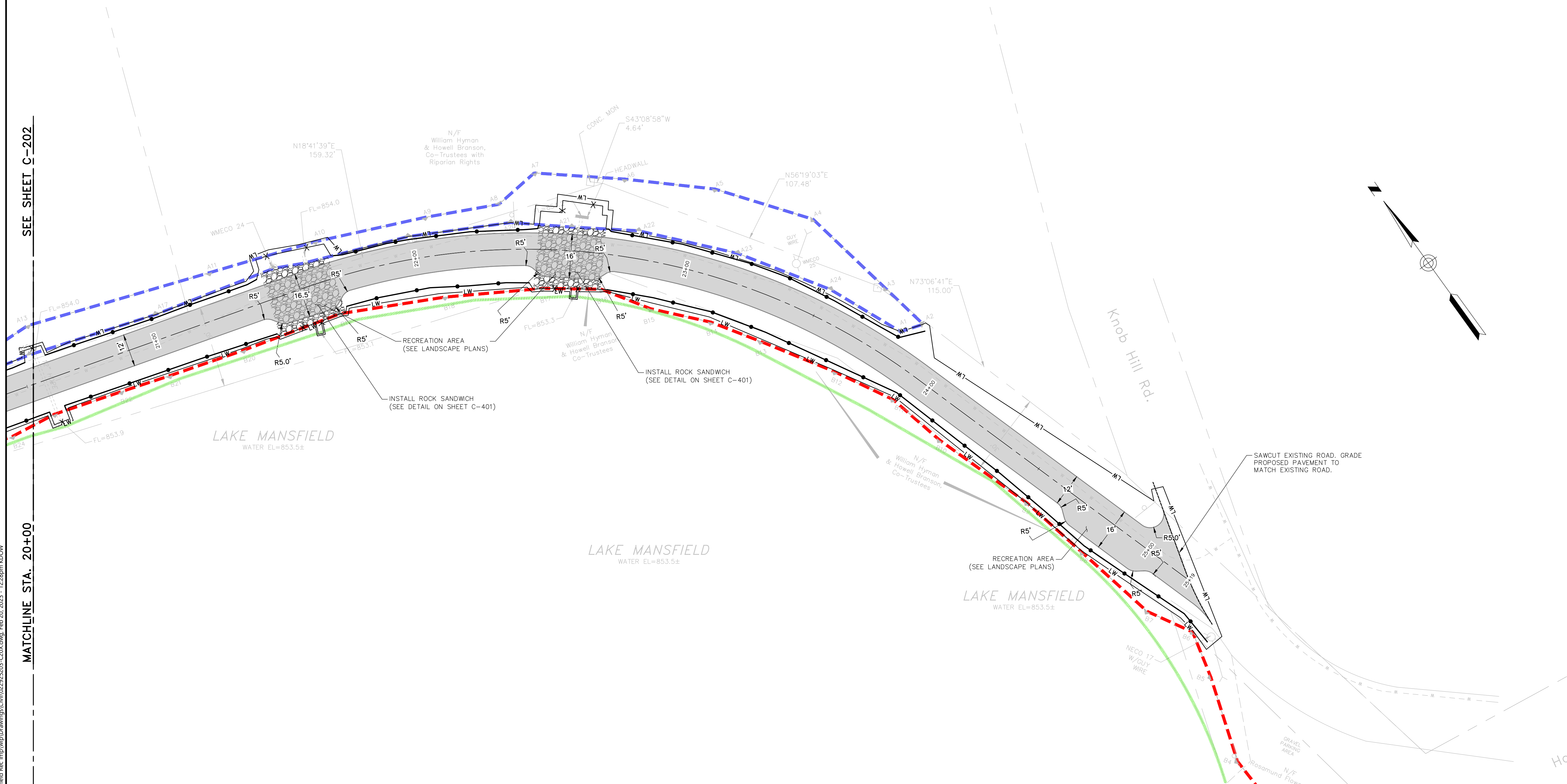
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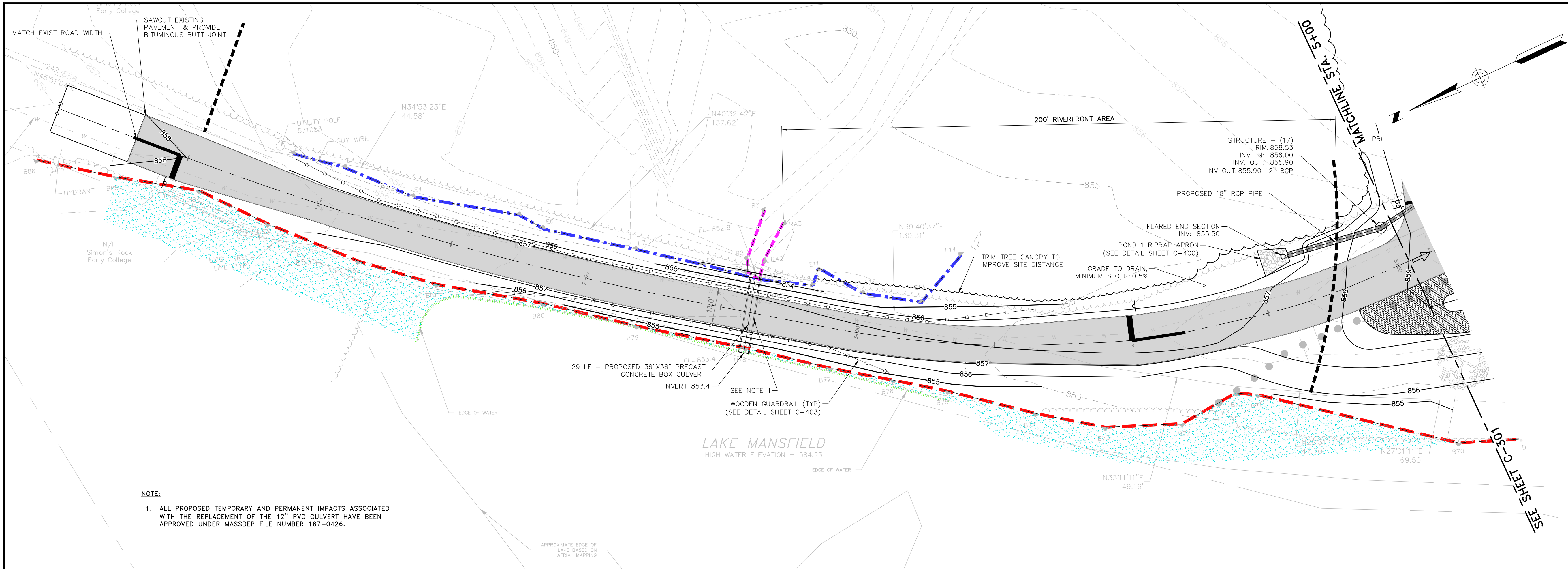
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PROPOSED SITE LAYOUT - 4**

DRAWING NO:

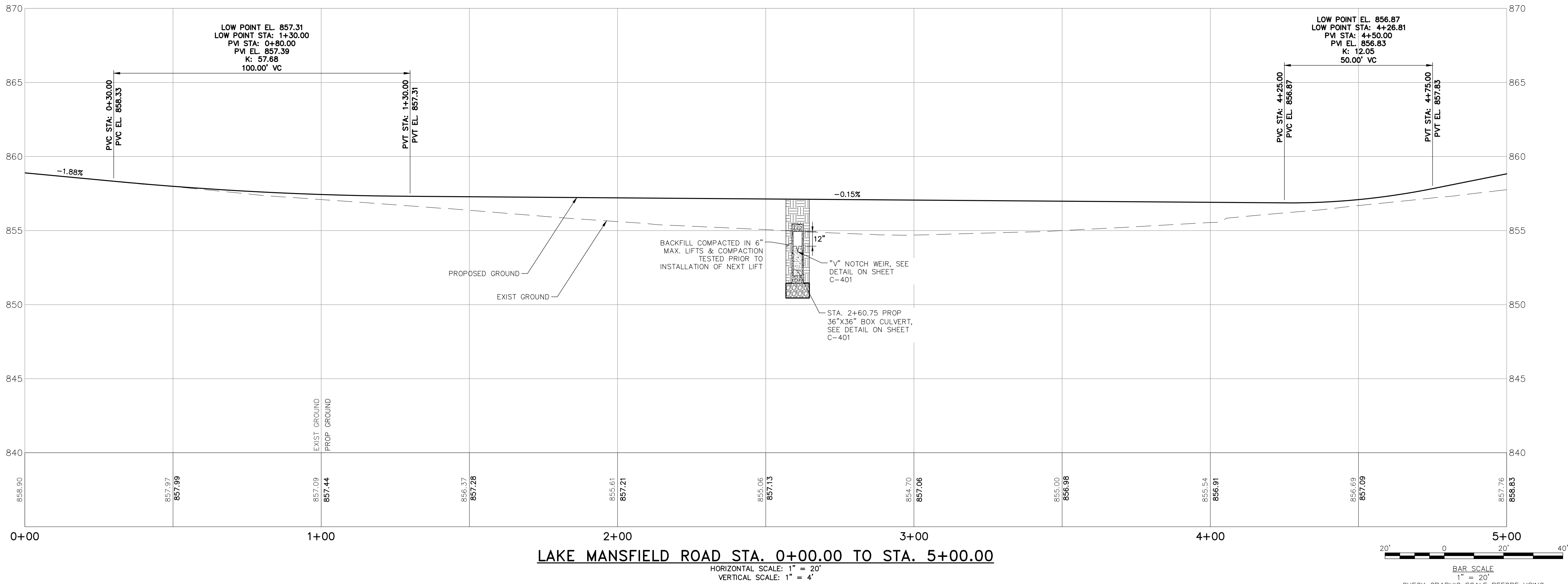
C-203

SHEET: 10 OF 28





- NOTE:
1. ALL PROPOSED TEMPORARY AND PERMANENT IMPACTS ASSOCIATED WITH THE REPLACEMENT OF THE 12\"/>



\\woodardcurran.net\shared\Projects\0229252.03 Great Barrington MA - Lake Mansfield Rec. Imp\p\Drawings\Civil\022925203-C300.dwg, Feb 20, 2023, 12:29pm IDOW

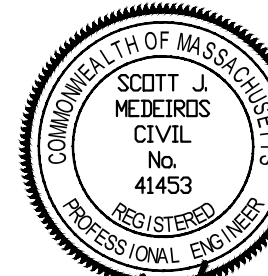


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GREAT BARRINGTON,
MASSACHUSETTS

LAKE MANSFIELD ROAD &
PARKING AREA IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
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JOB NO: 0229252.03

DATE: JANUARY, 2023

SCALE: 1"=20'

DESIGNED BY: SMK

DRAWN BY: SMK

CHECKED BY: MM

FILENAME: 022925203-C300.dwg

DRAWING TITLE:

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

DRAWING NO:

C-300

SHEET: 11 OF 28

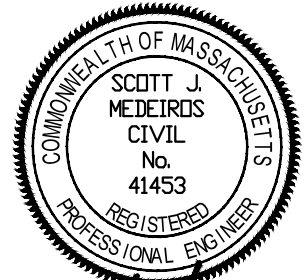


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MASSACHUSETTS

LAKE MANSFIELD ROAD &
PARKING AREA IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
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JOB NO:	0229252.03
DATE:	JANUARY, 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**

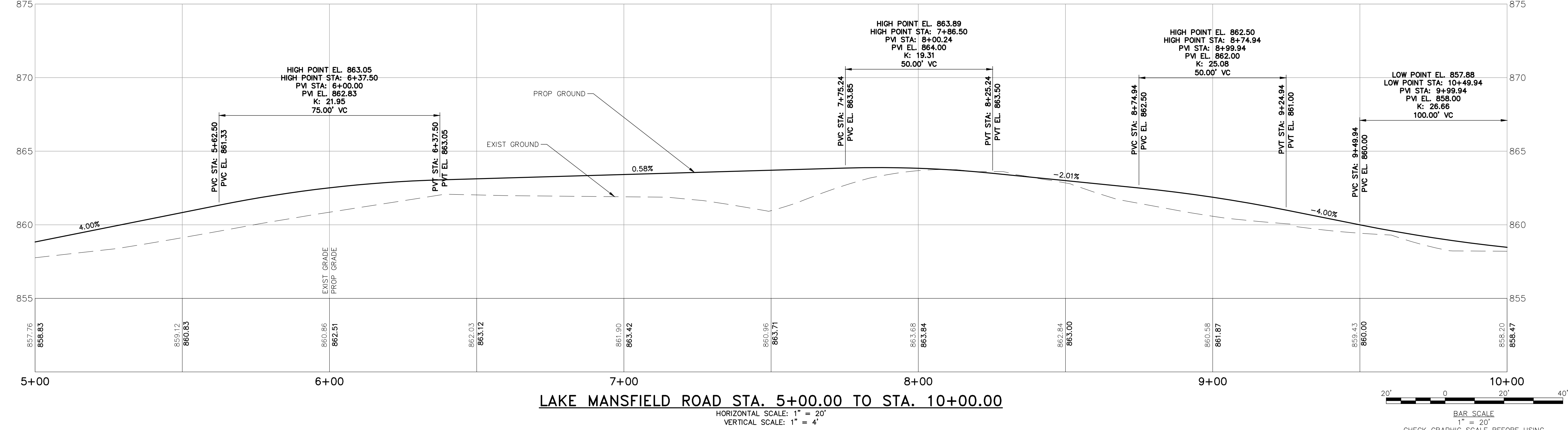
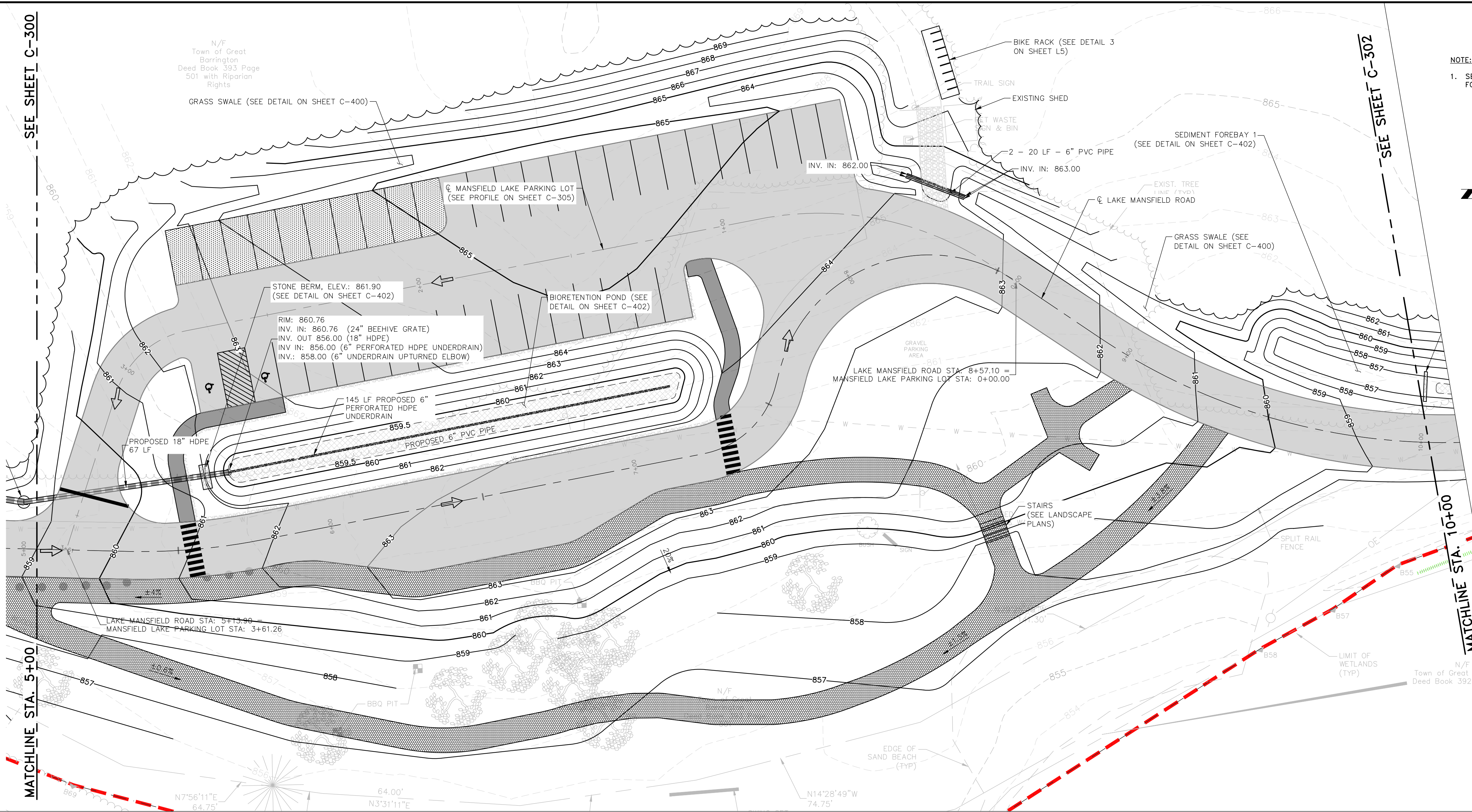
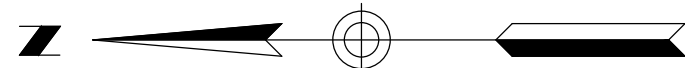
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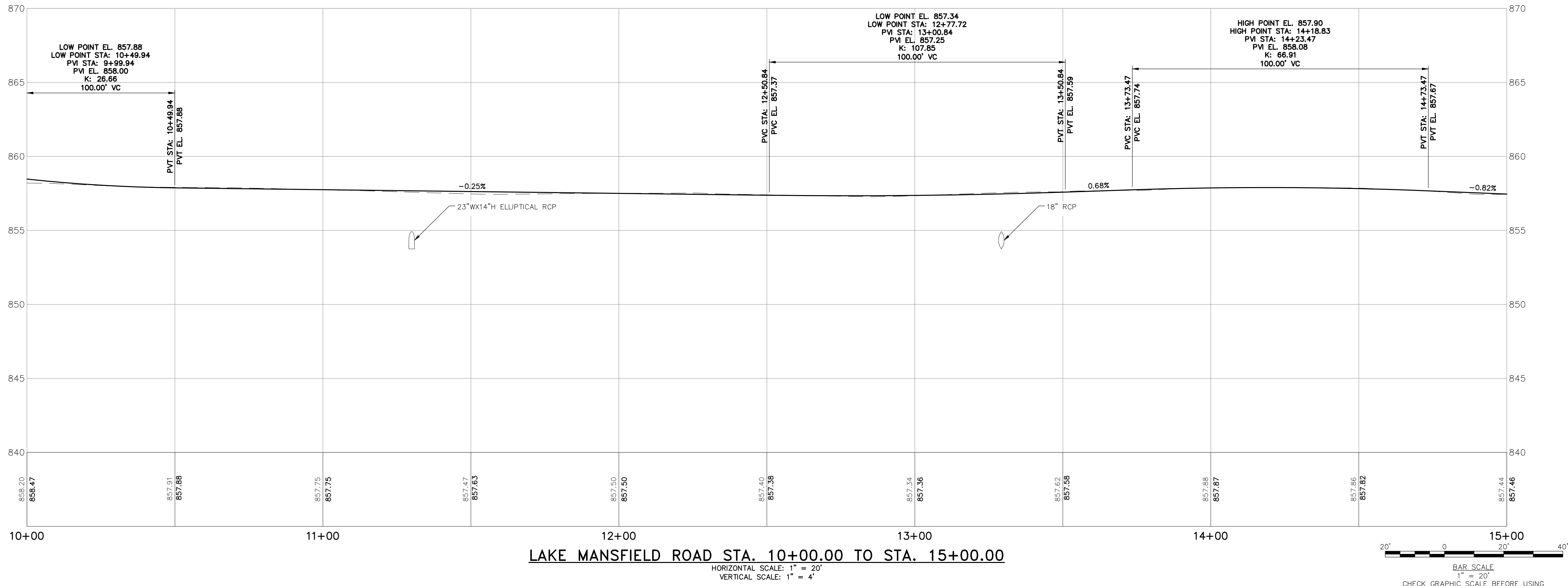
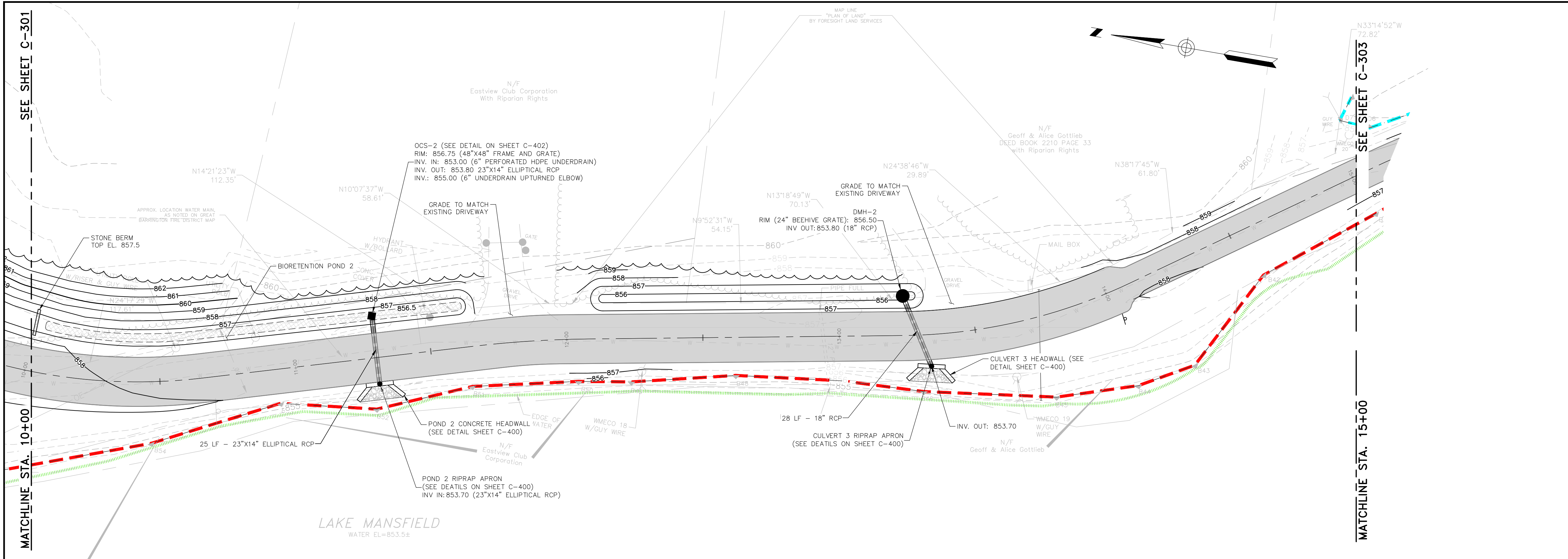
C-301

SHEET: 12 OF 28

NOTE:

- SEE LANDSCAPE ARCHITECT PLAN
FOR PLANTING PLAN.



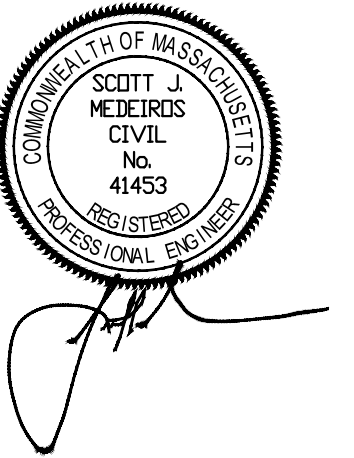


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MASSACHUSETTS

LAKE MANSFIELD ROAD &
PARKING AREA IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
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JOB NO:	0229252.03
DATE:	JANUARY, 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

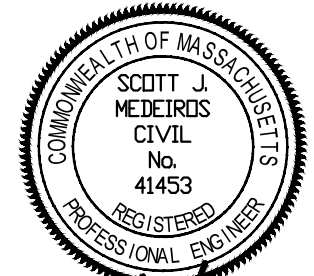


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LAKE MANSFIELD ROAD &
PARKING AREA IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
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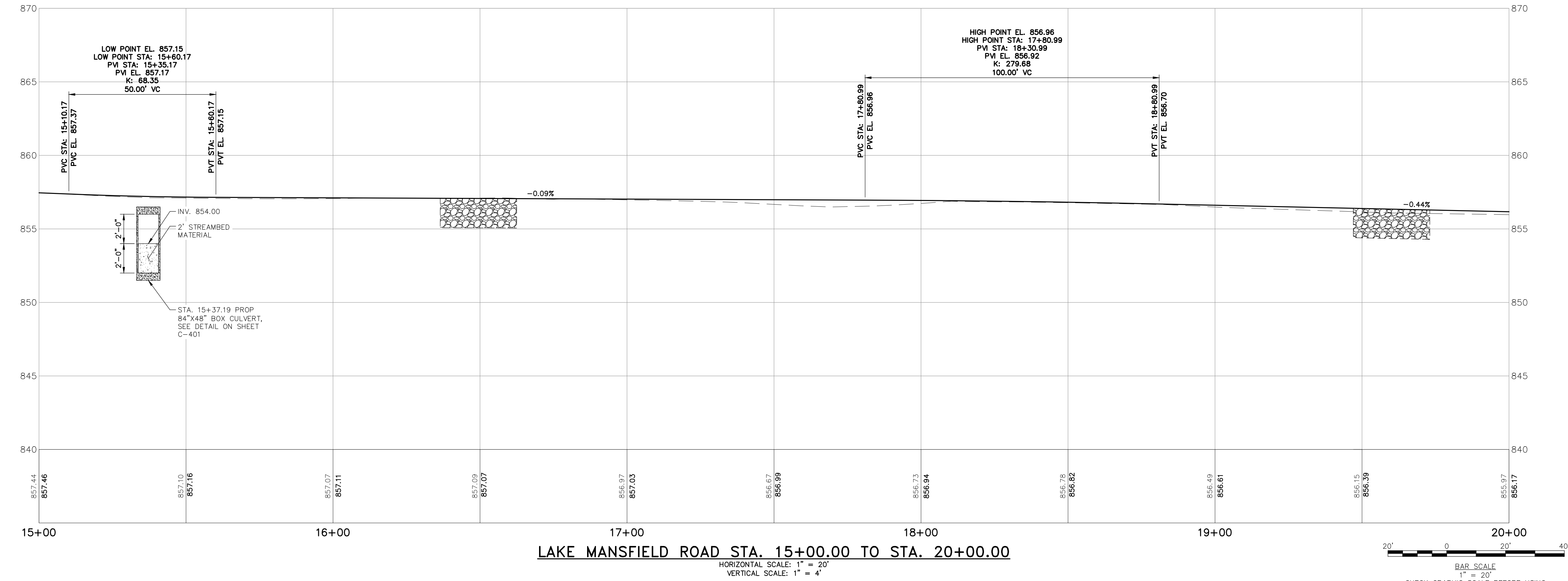
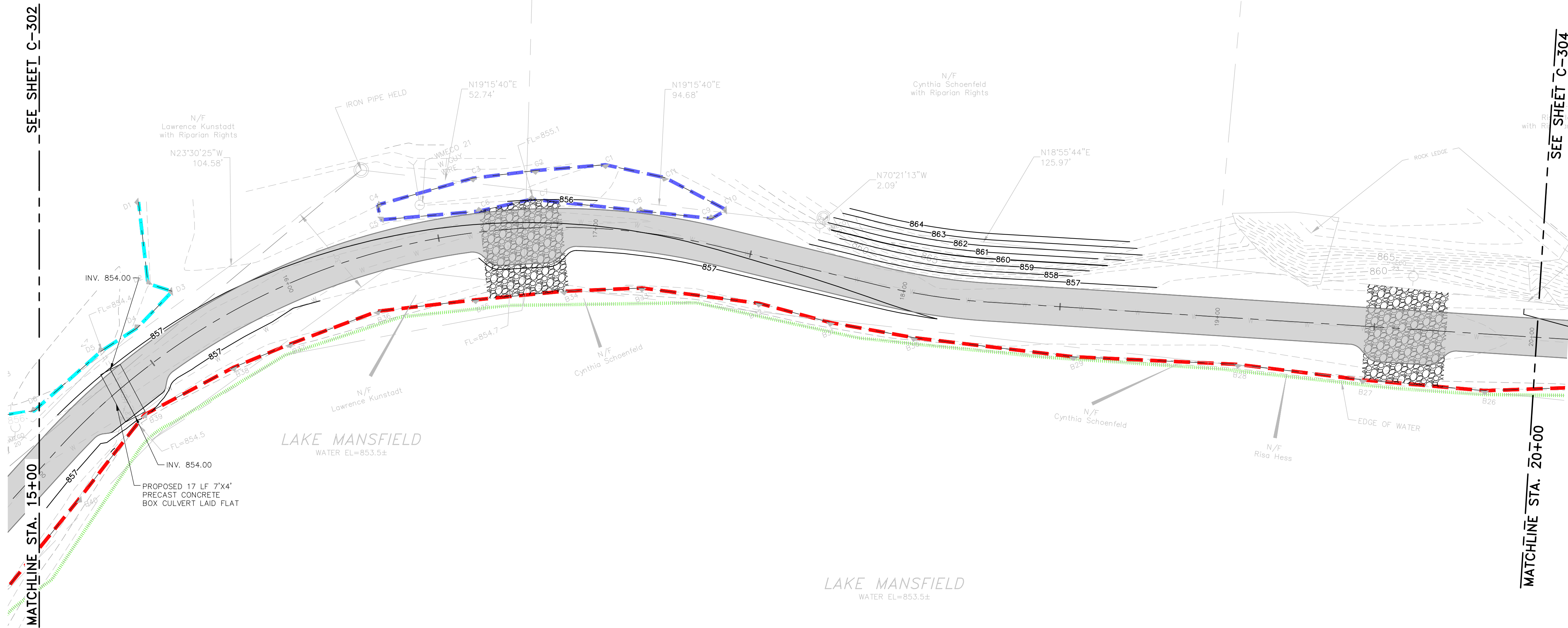
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DATE:	JANUARY, 2023
SCALE:	1"=20'
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DRAWN BY:	SMK
CHECKED BY:	MM
FILENAME:	022925203-C30X.dwg

DRAWING TITLE:
**CIVIL
LAKE MANSFIELD ROAD PLAN
AND PROFILE - 4**

DRAWING NO:

C-303

SHEET: 14 OF 28



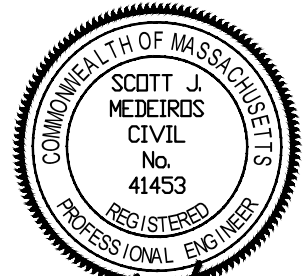


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PARKING AREA IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
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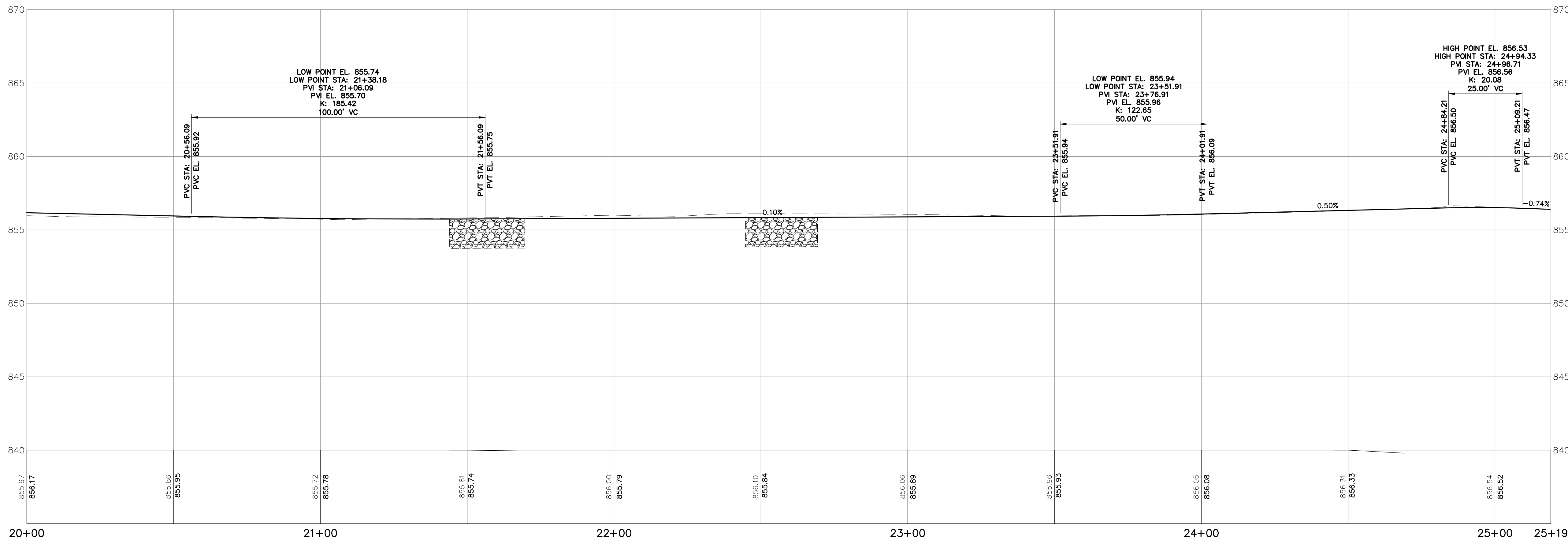
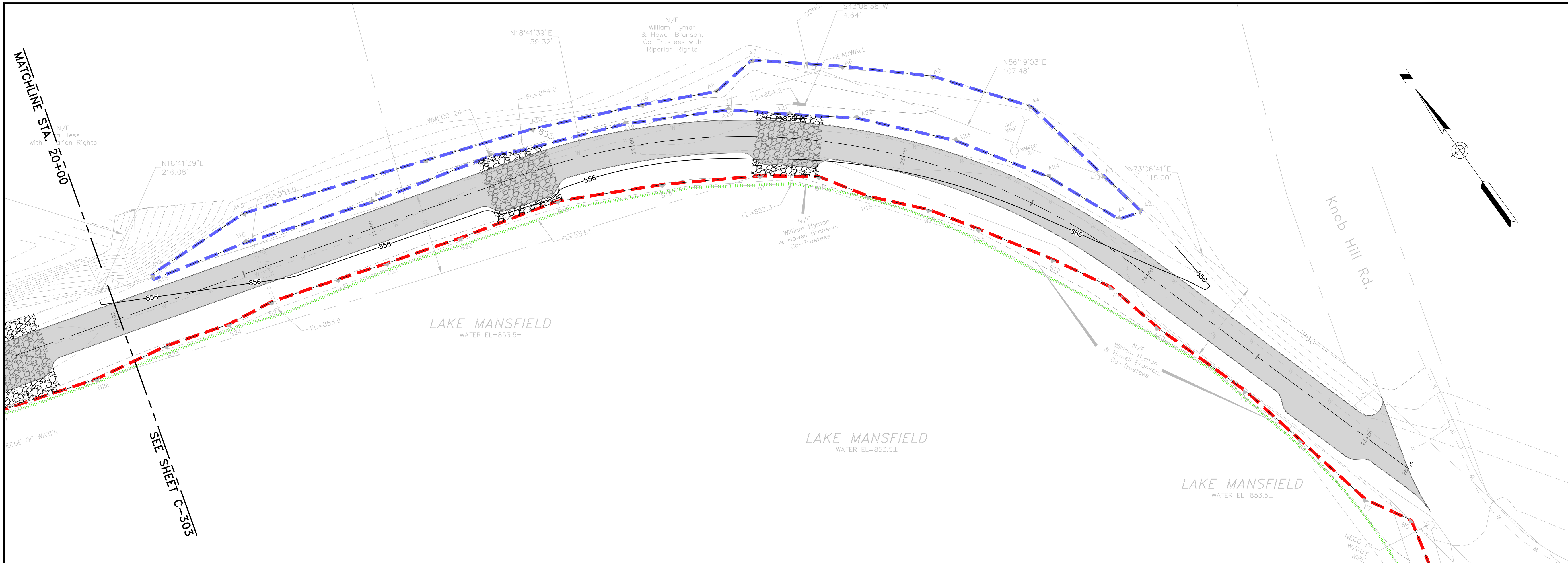
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DATE:	JANUARY, 2023
SCALE:	1"=20'
DESIGNED BY:	SMK
DRAWN BY:	SMK
CHECKED BY:	MM
FILENAME:	022925203-C30X.dwg

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'

20' 0 20' 40'

BAR SCALE

1" = 20'

CHECK GRAPHIC SCALE BEFORE USING

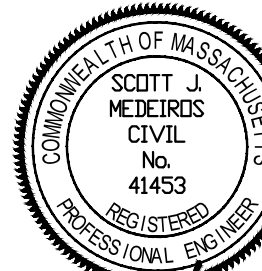


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LAKE MANSFIELD ROAD &
PARKING AREA IMPROVEMENTS

REV	MM/DD/YY	DESCRIPTION
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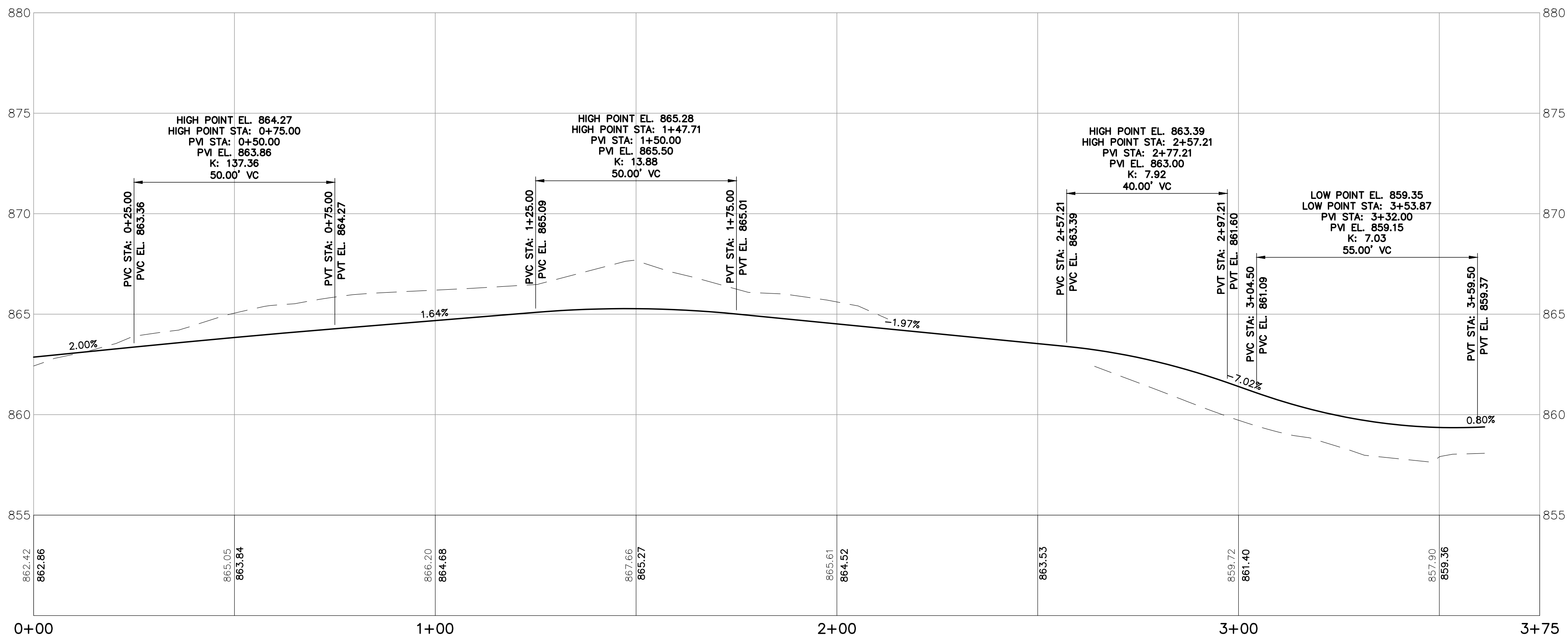
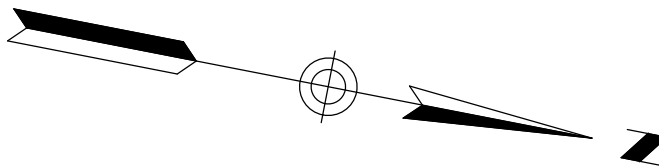
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DATE:	JANUARY, 2023
SCALE:	1"=20'
DESIGNED BY:	SMK
DRAWN BY:	SMK
CHECKED BY:	MM
FILENAME:	022925203-C30X.dwg

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'



BAR SCALE

1" = 20'

CHECK GRAPHIC SCALE BEFORE USING

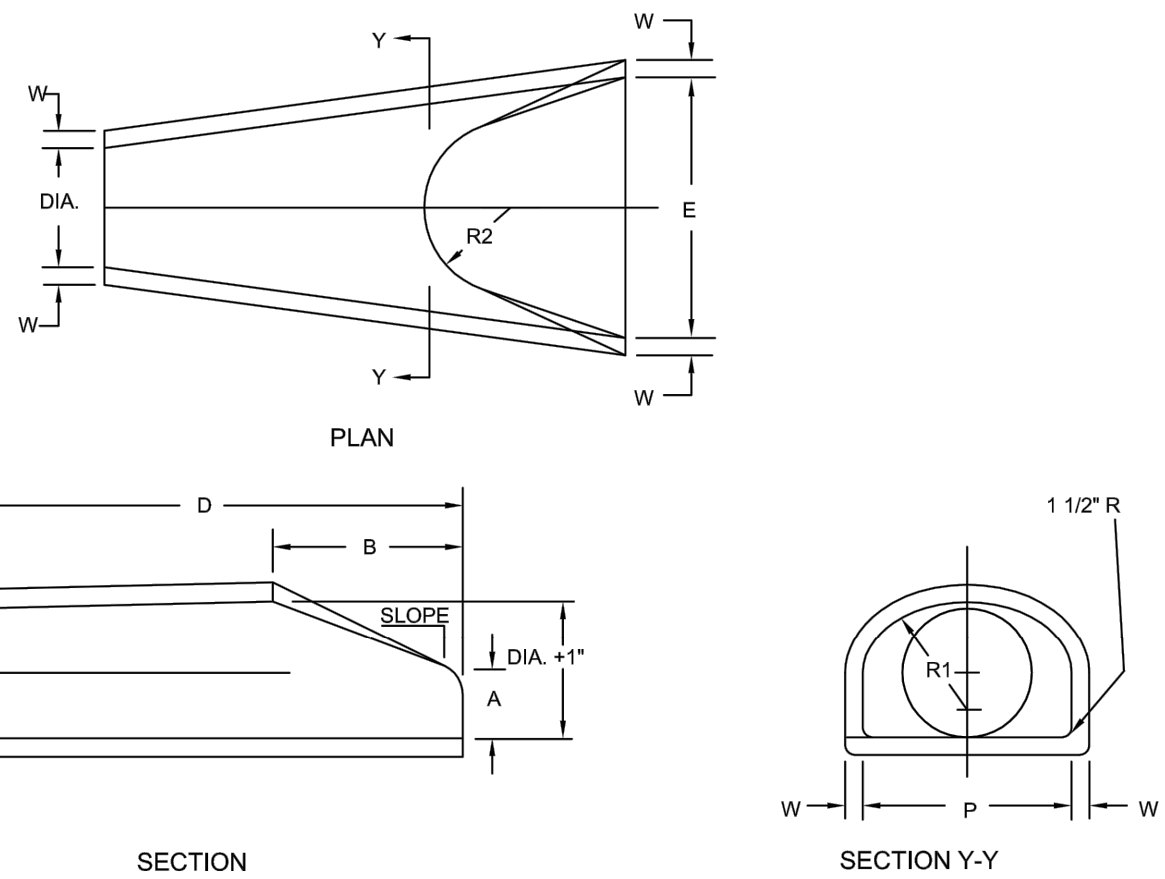
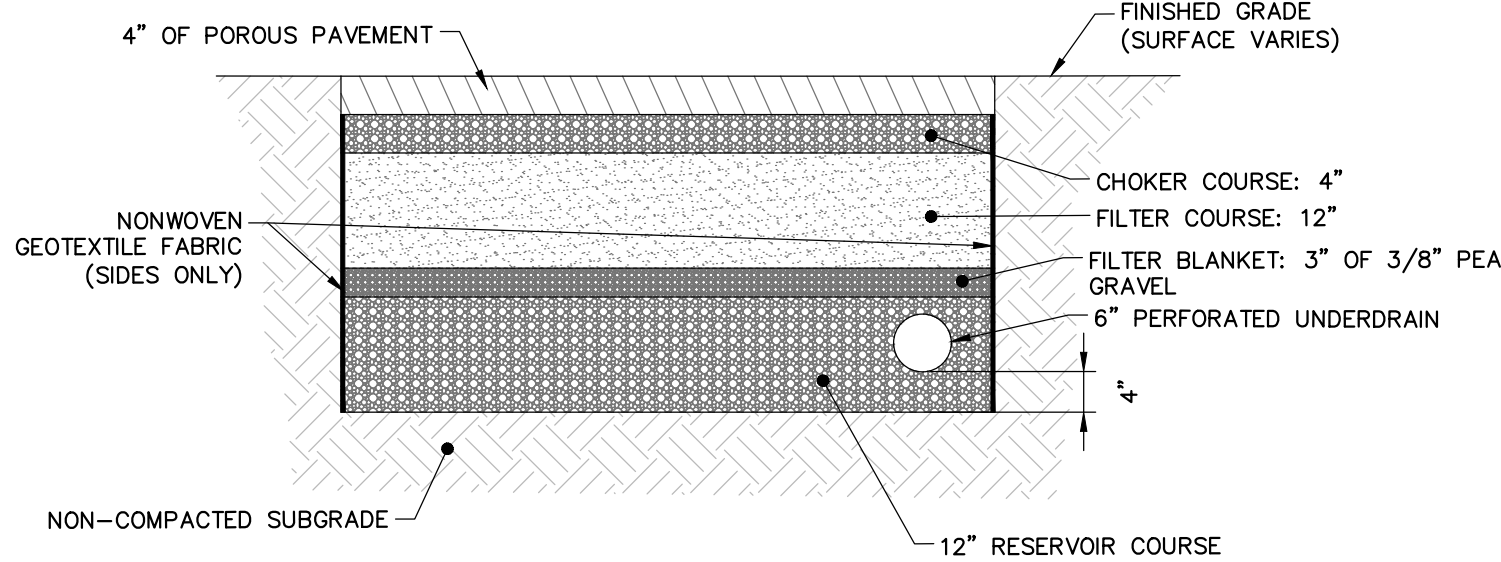


TABLE
[ALL DIMENSIONS ARE inches OR feet]

DIAMETER Inch	W	A	B	D	E	P	DI.A. +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

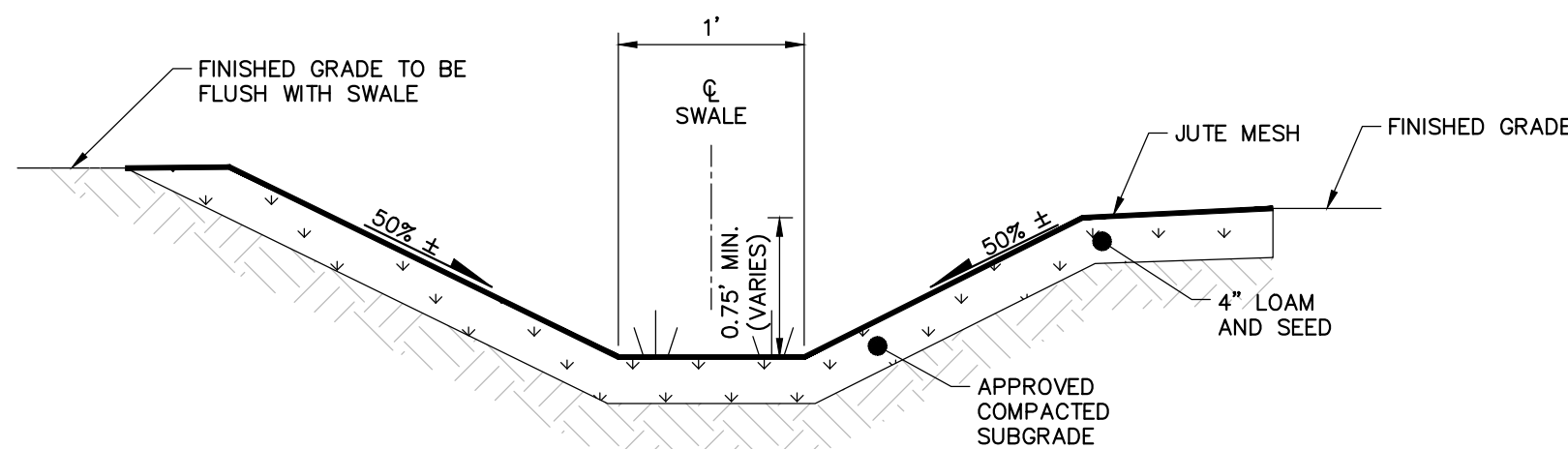
NOT TO SCALE



- NOTE:
- POROUS PAVEMENT SHALL NOT BE CONSTRUCTED ON COMPACTED SUBGRADE. TILL & SCARIFY SUBGRADE 12 INCHES BELOW BOTTOM OF RESERVOIR LAYER.
 - UNDERDRAIN SHALL BE LAID FLAT.
 - SEE POROUS PAVEMENT SPECIFICATION FOR AGGREGATE MATERIAL SPECIFICATIONS.
 - UNDERDRAIN PIPE SHALL BE SINGLE WALL HDPE PERFORATED PIPE AS MANUFACTURED BY ADS OR APPROVED EQUAL

PERMEABLE PAVEMENT

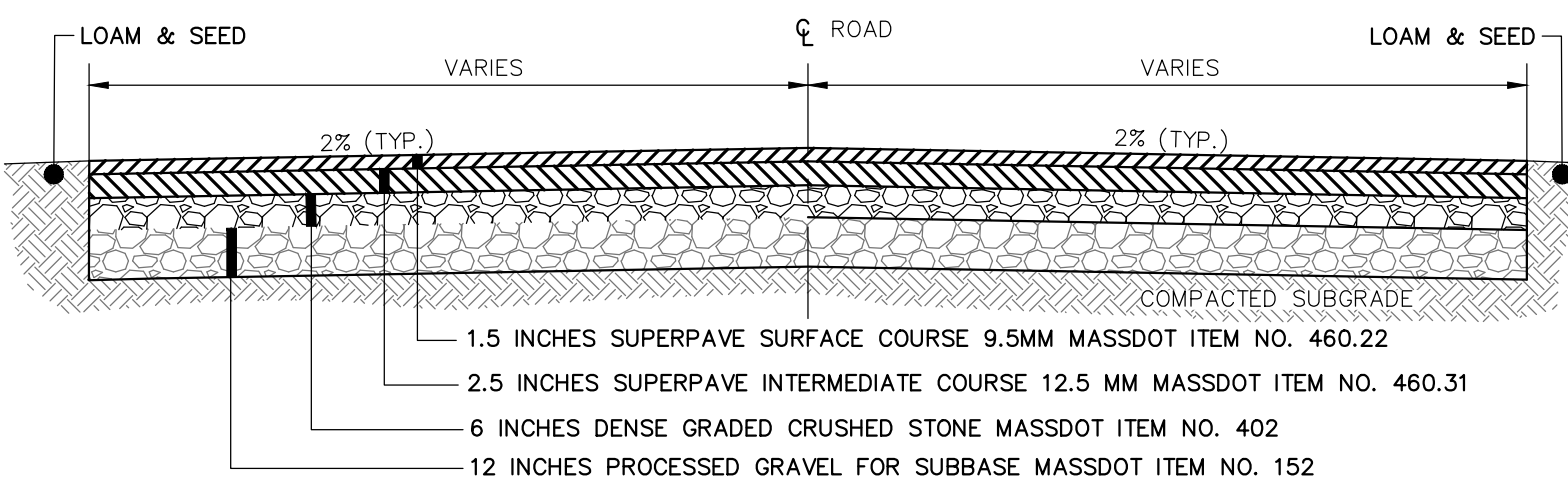
NOT TO SCALE



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

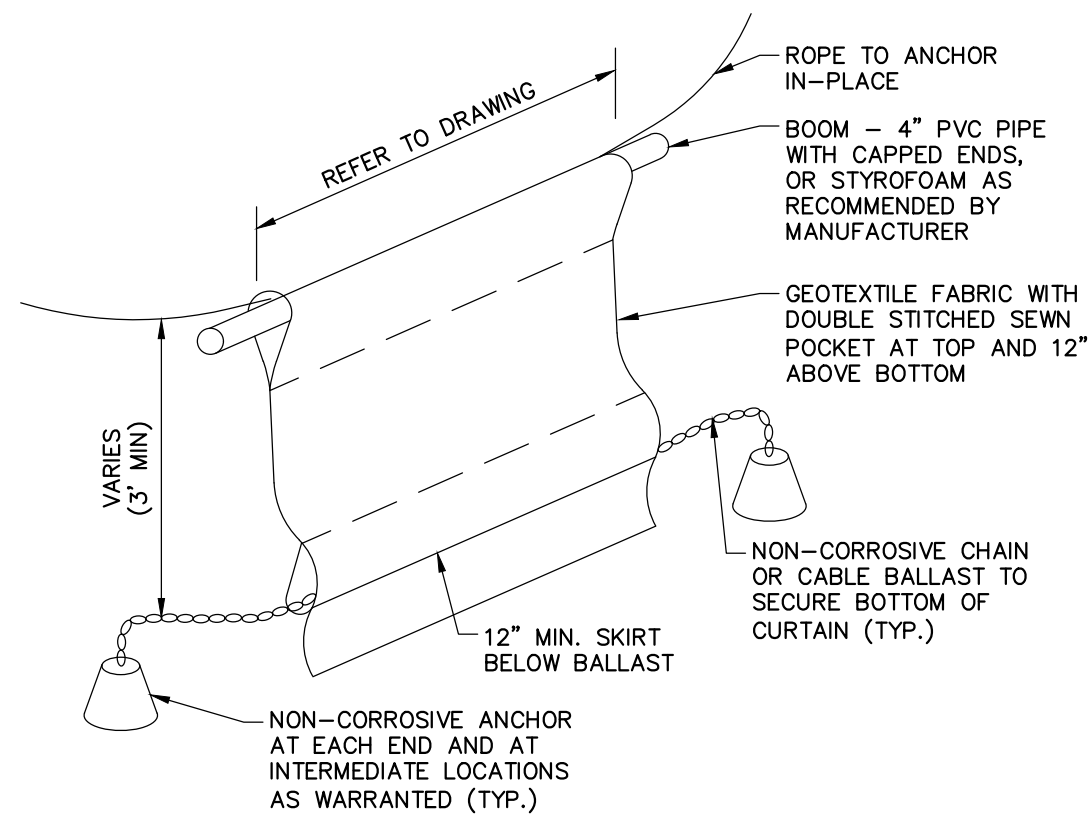
GRASS SWALE

NOT TO SCALE



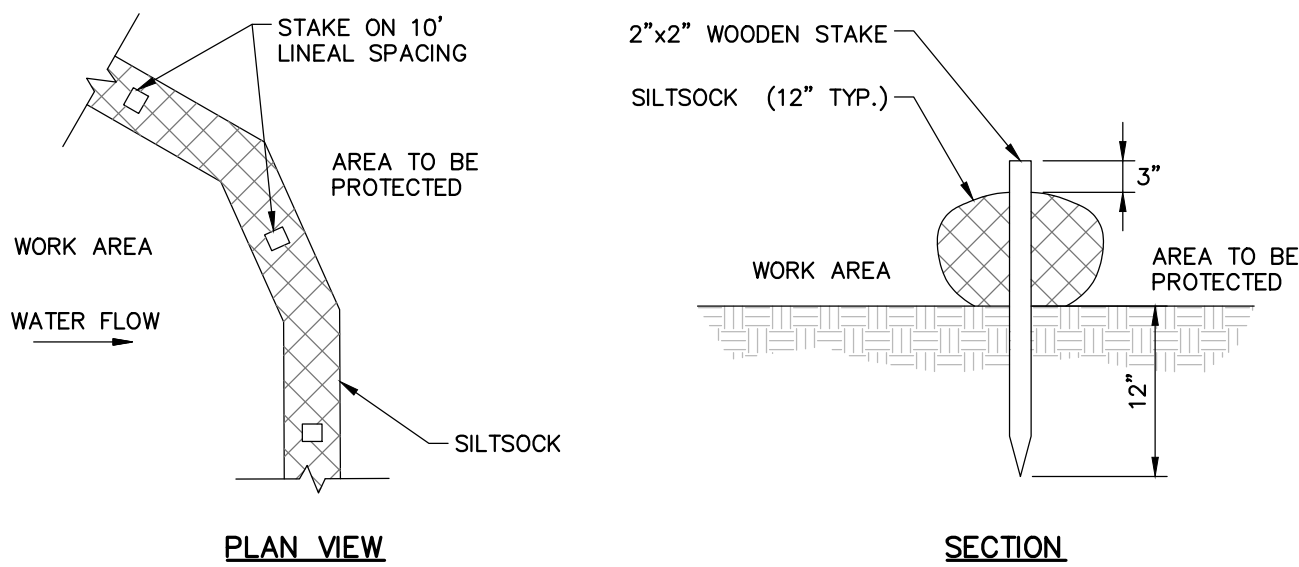
FULL DEPTH BITUMINOUS PAVEMENT

NOT TO SCALE



TURBIDITY CURTAIN

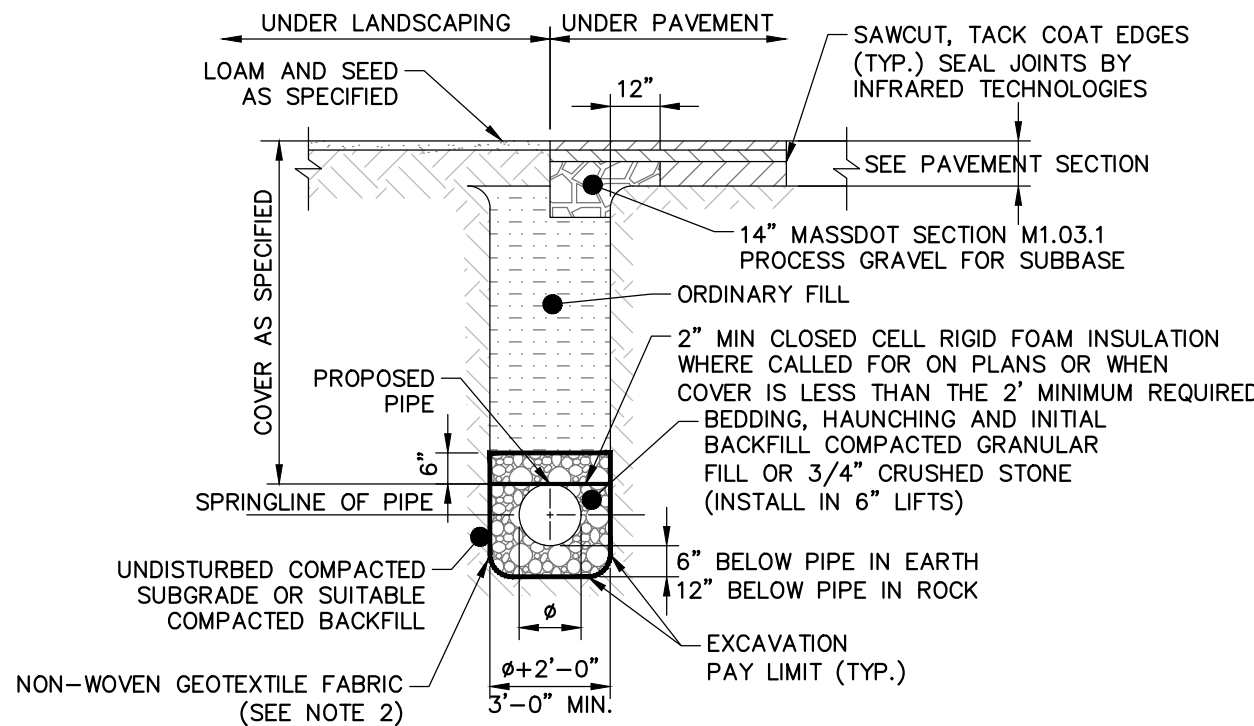
NOT TO SCALE



- NOTE:
- 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

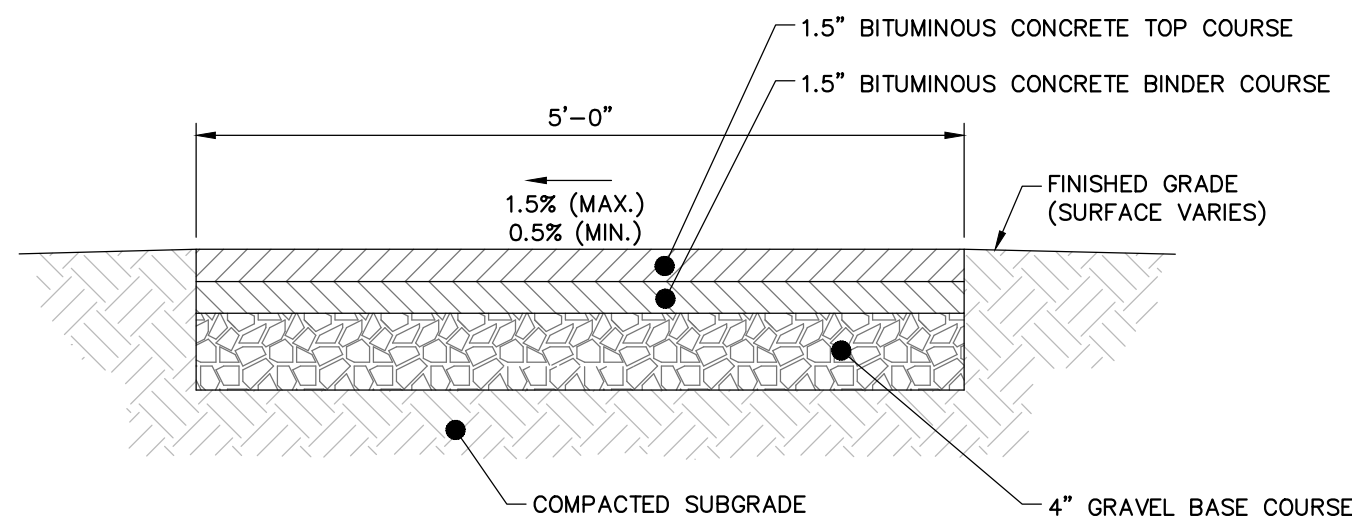
NOT TO SCALE



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

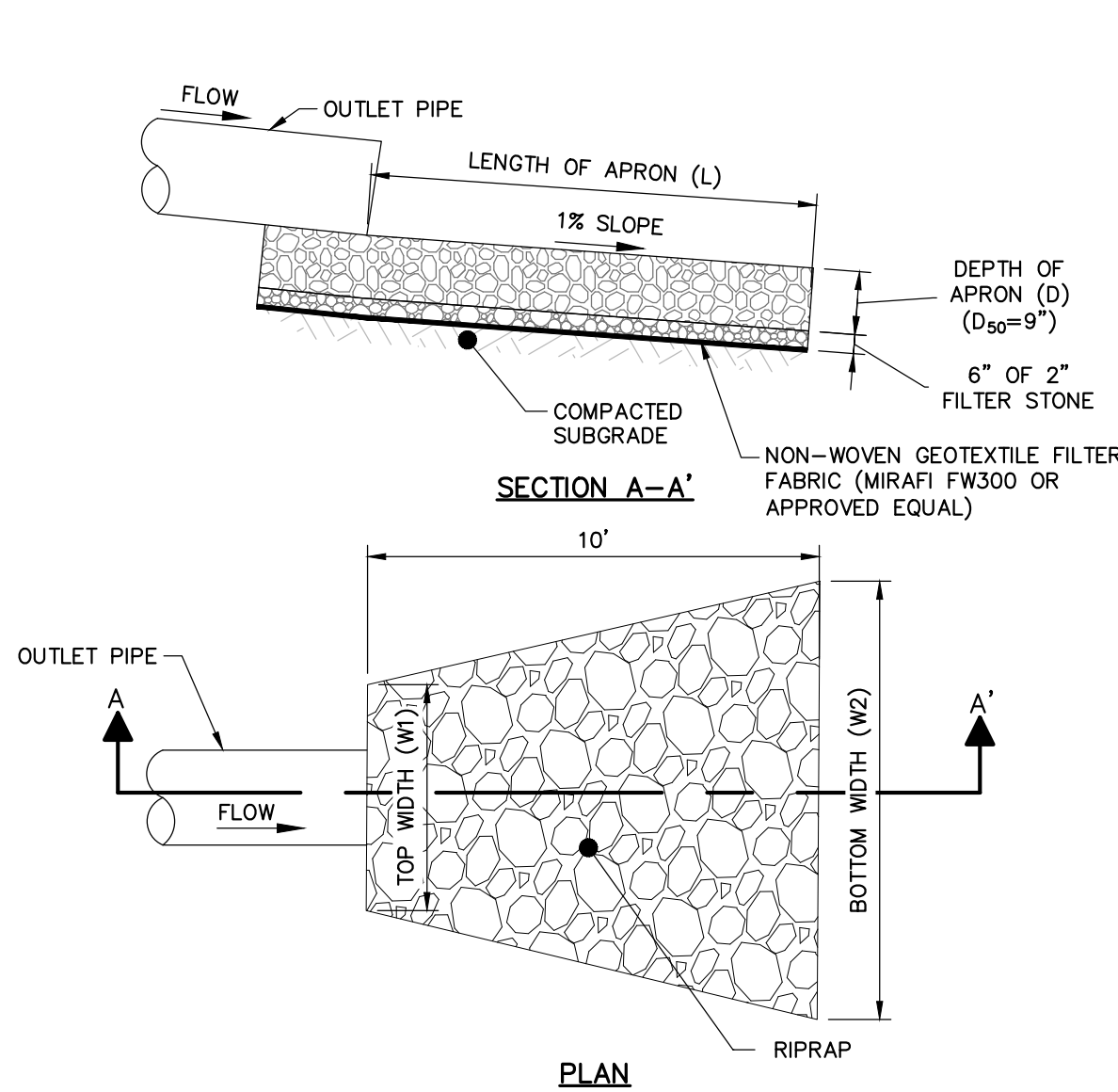
DRAINAGE PIPE TRENCH

NOT TO SCALE



BITUMINOUS CONCRETE SIDEWALK

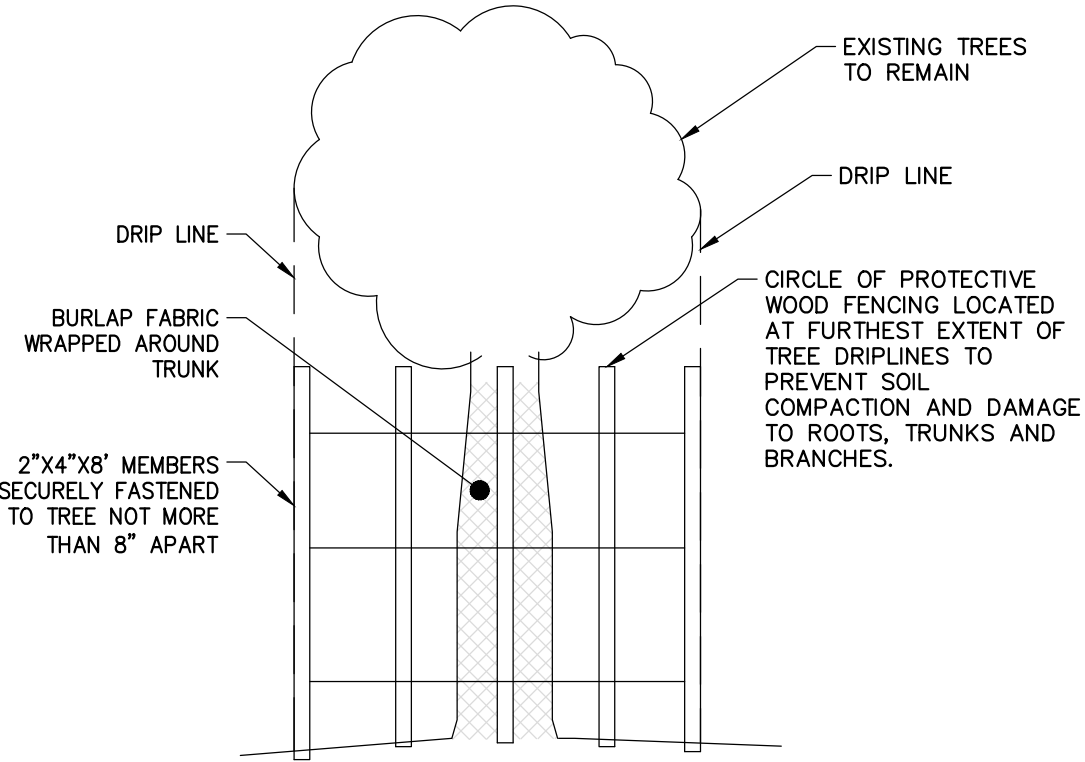
NOT TO SCALE



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

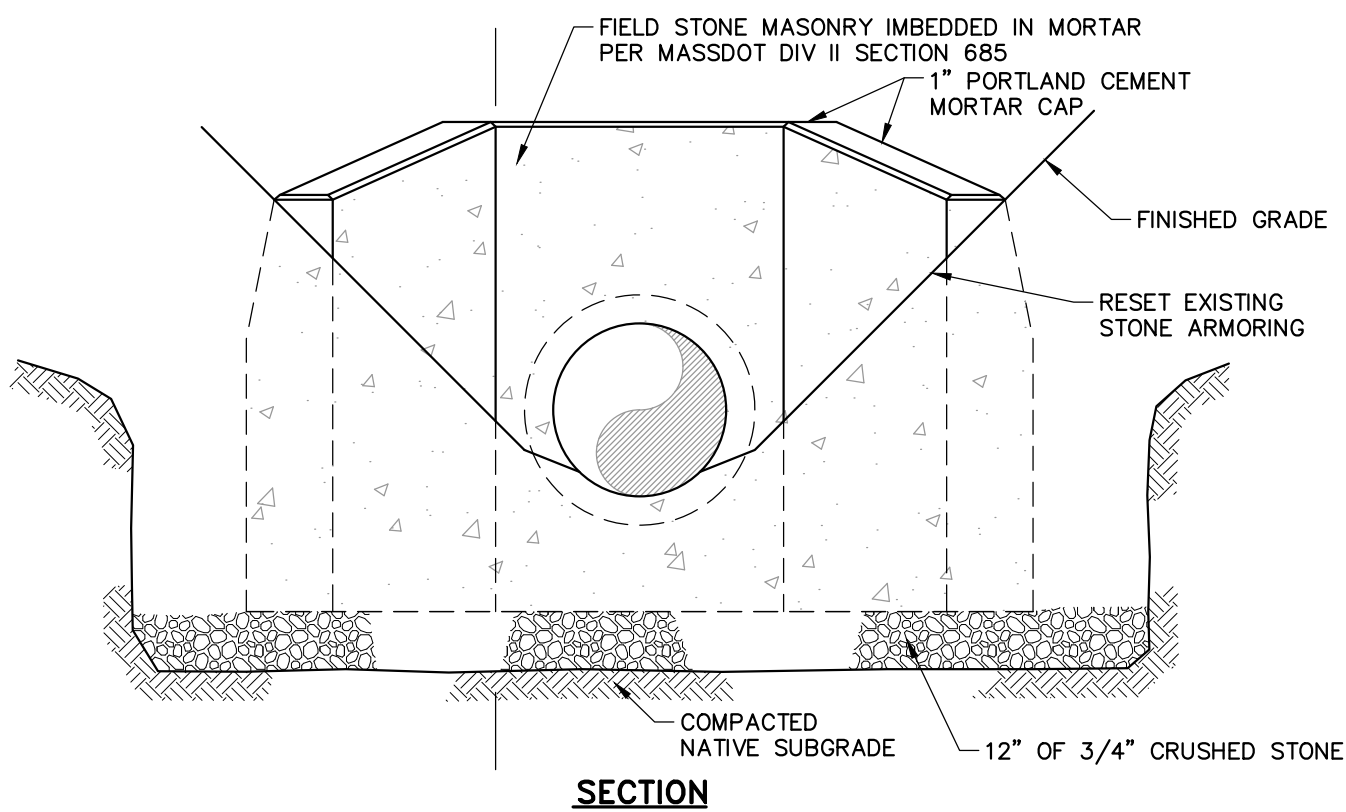
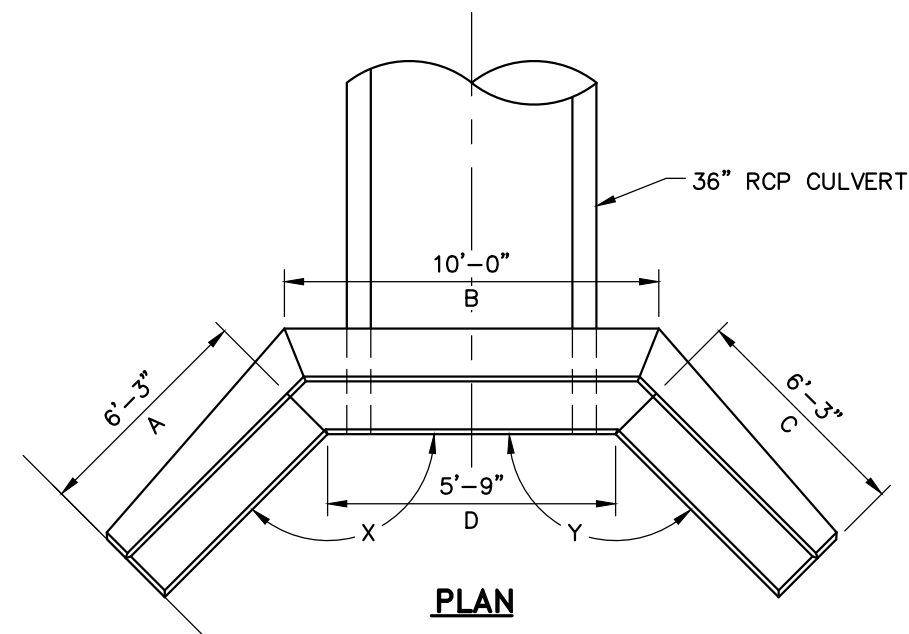


- NOTES:
- LOCATE FENCING AS SHOWN ON PLANS.
 - NO MATERIAL OR EQUIPMENT SHALL BE STORED OR STOCKPILED WITHIN THE AREA SURROUNDED BY TREE PROTECTION FENCING.
 - FENCE MUST REMAIN AND BE MAINTAINED THROUGHOUT ENTIRE BUILDING PHASES DURING WHICH CONSTRUCTION MAY AFFECT TREES.

TREE PROTECTION

NOT TO SCALE

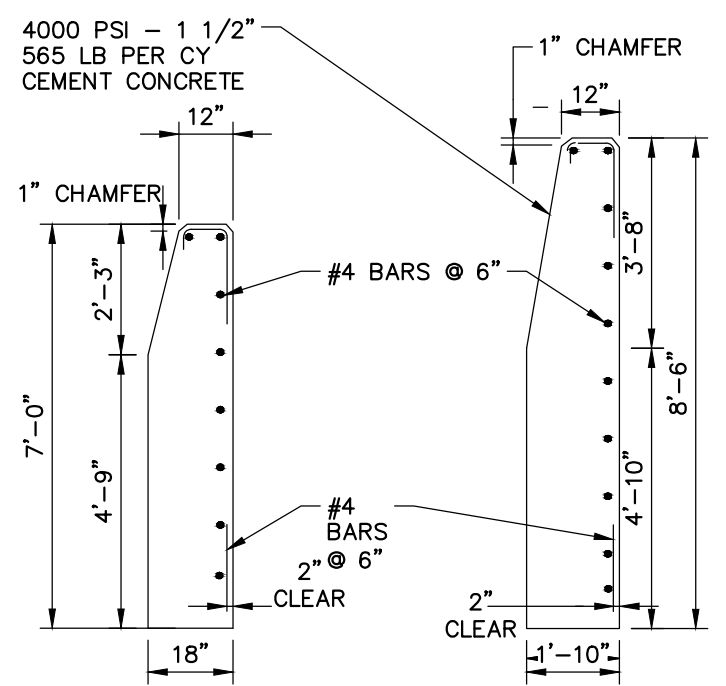
CONCRETE HEADWALL SCHEDULE								
CULVERT NAME	CULVERT SIZE	DIMENSIONS				DIMENSIONS		NOTES
		A	B	C	D	X	Y	
POND 2	23"x14" RCP	10'-0"	6'-3"	6'-3"	5'-9"	135	135	
CULVERT 3	18" RCP	10'-0"	6'-3"	6'-3"	5'-9"	135	135	



SECTION

CONCRETE HEADWALL

NOT TO SCALE



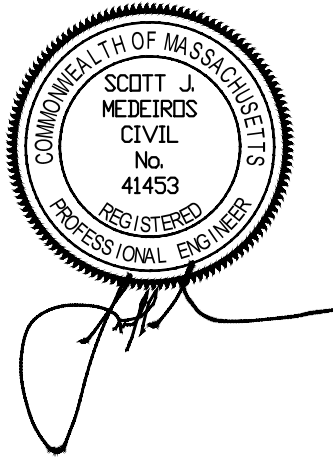
CONCRETE ENDS



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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: JANUARY, 2023

SCALE: 1"=20'

DESIGNED BY: SMK

DRAWN BY: SMK

CHECKED BY: MM

FILENAME: 022925203-C40X.dwg

DRAWING TITLE:

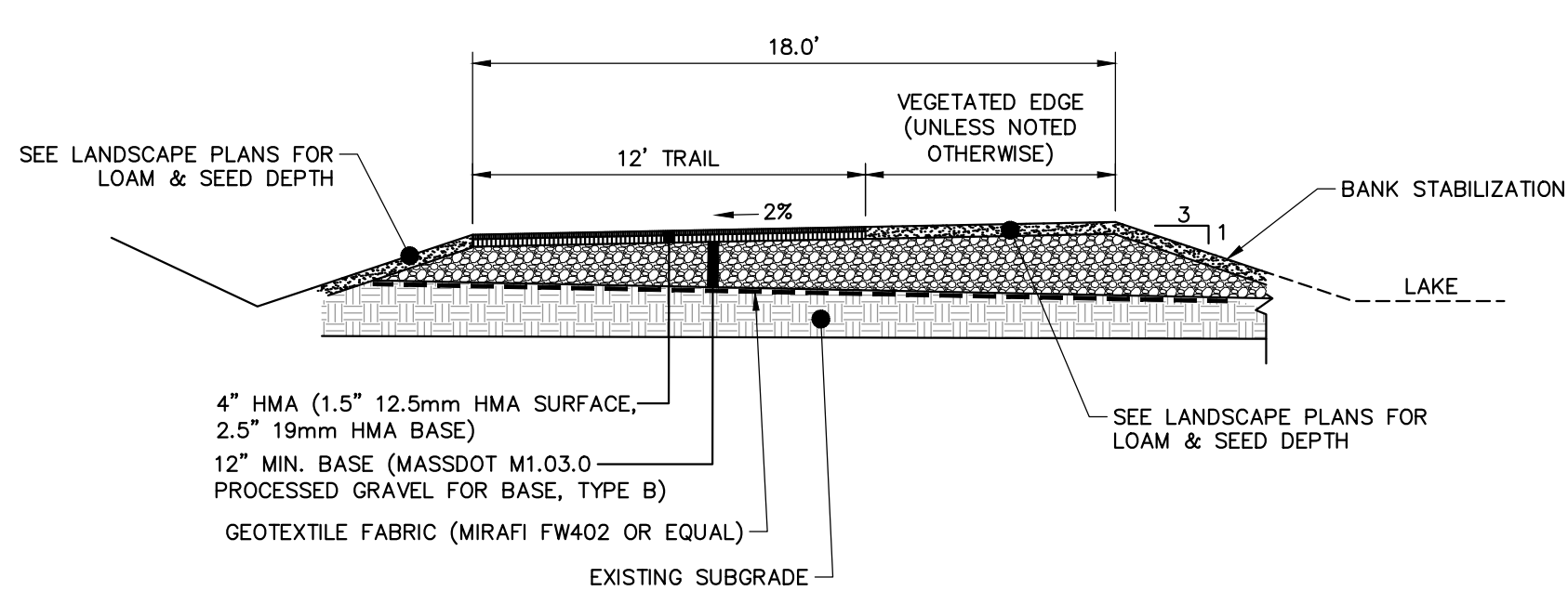
CIVIL
SITE DETAILS - 1

DRAWING NO:

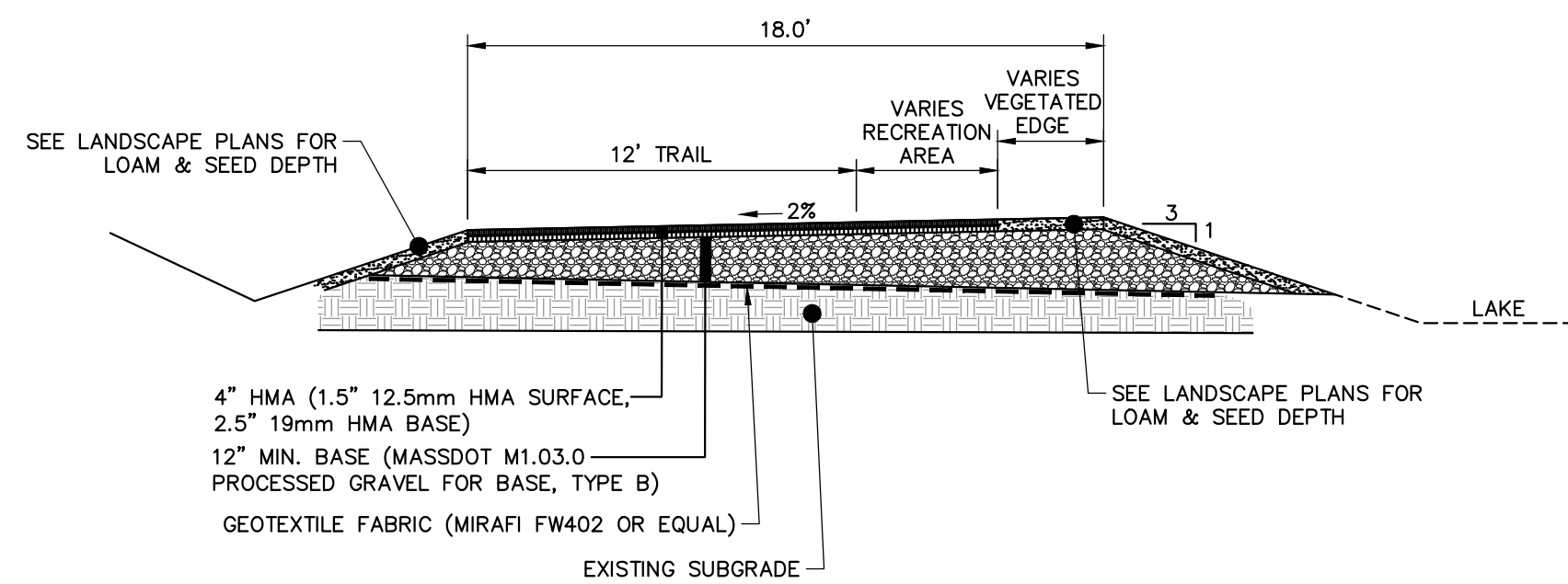
C-400

SHEET: 17 OF 28

WALKING TRAIL TYPICAL CROSS SECTIONS

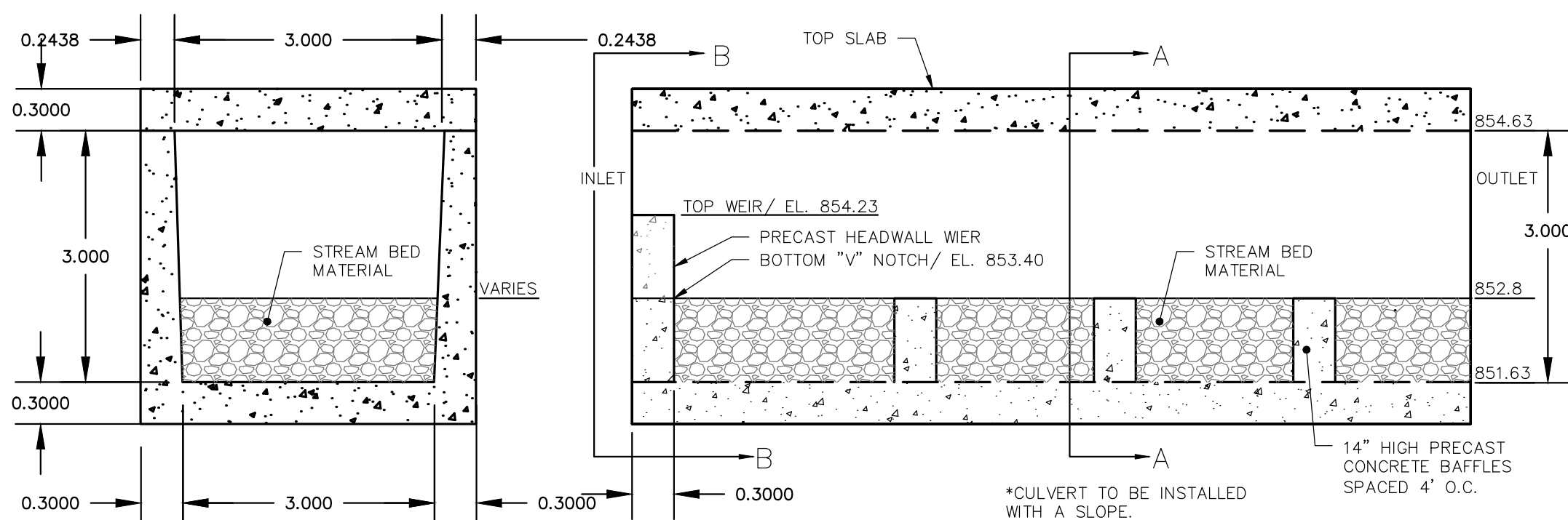


WALKING TRAIL WITH RECREATION AREA TYPICAL CROSS SECTION



WALKING TRAIL CROSS SECTIONS

NOT TO SCALE



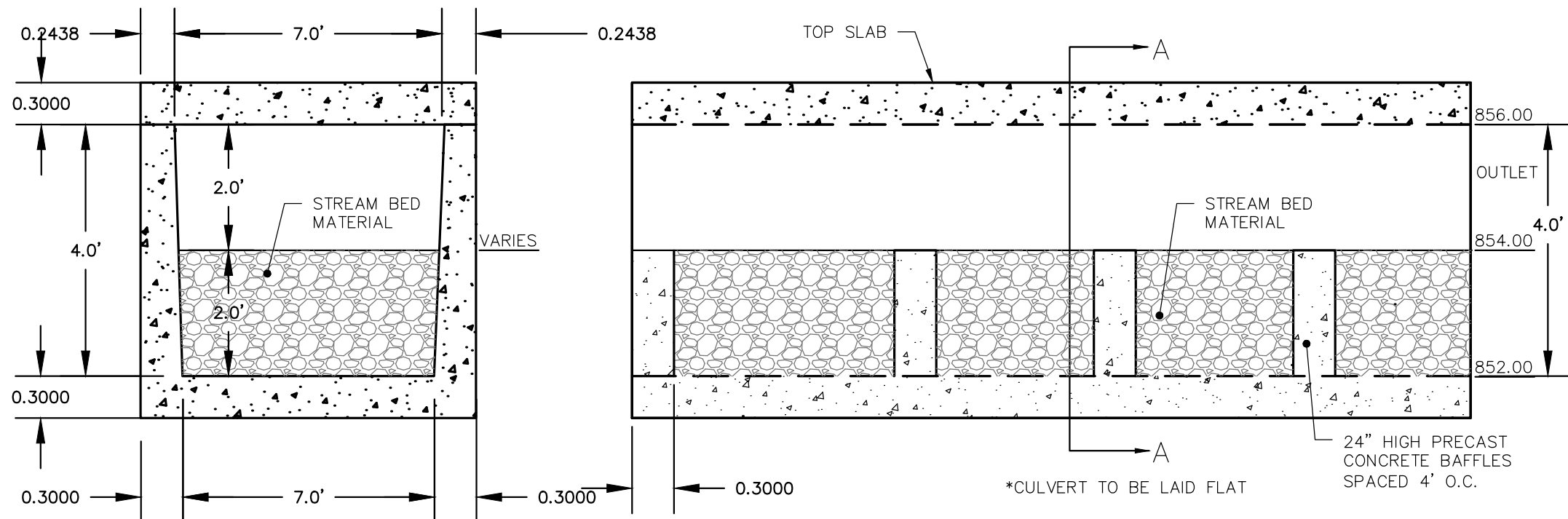
CULVERT CROSS SECTION

NOTES:

1. CONCRETE: 5,000 PSI MINIMUM AFTER 28 DAYS.
2. CAN BE DESIGNED FROM AS LITTLE AS 0 COVER TO 5'
3. TONGUE & GROOVE JOINT SEALED WITH BUTYL RESIN.
4. WEIGHT: 715# PER LF, 7,150# PER 10' SECTION
5. ALL REINFORCEMENT PER ASTM 1-615.
6. 36" X 36" PRECAST CONCRETE CULVERT AND ASSOCIATED WORK HAS BEEN APPROVED UNDER MASSDEP FILE NUMBER #167-0426.

36"X36" PRECAST CULVERT DETAIL

NOT TO SCALE



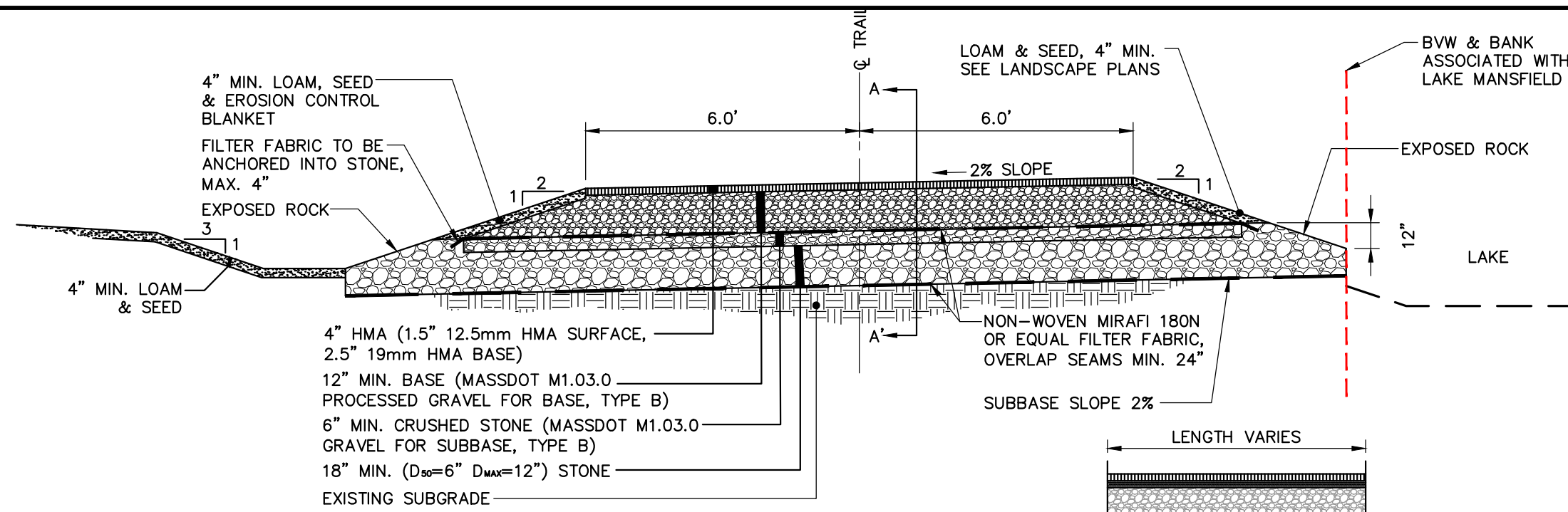
CULVERT CROSS SECTION

NOTES:

1. CONCRETE: 5,000 PSI MINIMUM AFTER 28 DAYS.
2. CAN BE DESIGNED FROM AS LITTLE AS 0 COVER TO 5'
3. TONGUE & GROOVE JOINT SEALED WITH BUTYL RESIN.
4. WEIGHT: 715# PER LF, 7,150# PER 10' SECTION
5. ALL REINFORCEMENT PER ASTM 1-615.
6. 7'X4' PRECAST CONCRETE CULVERT AND ASSOCIATED WORK HAS BEEN APPROVED UNDER MASSDEP FILE NUMBER #167-0426.

7'X4' PRECAST CULVERT DETAIL

NOT TO SCALE

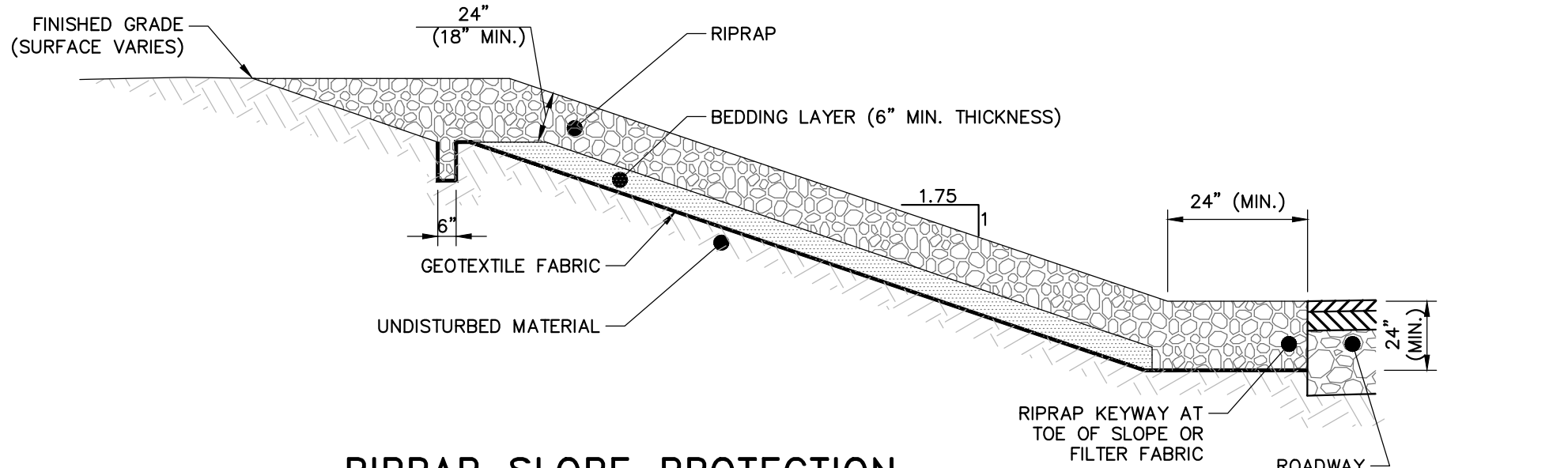


NOTE:

1. STONE TO BE PLACED MINIMUM DEPTH OF 6" BELOW EXISTING GRADE, AS SHOWN ON PLANS.
2. STONE SHALL BE SURROUNDED ON ALL SIDES BY FILTER FABRIC, EXCEPT WHERE "EXPOSED ROCK" IS IDENTIFIED.

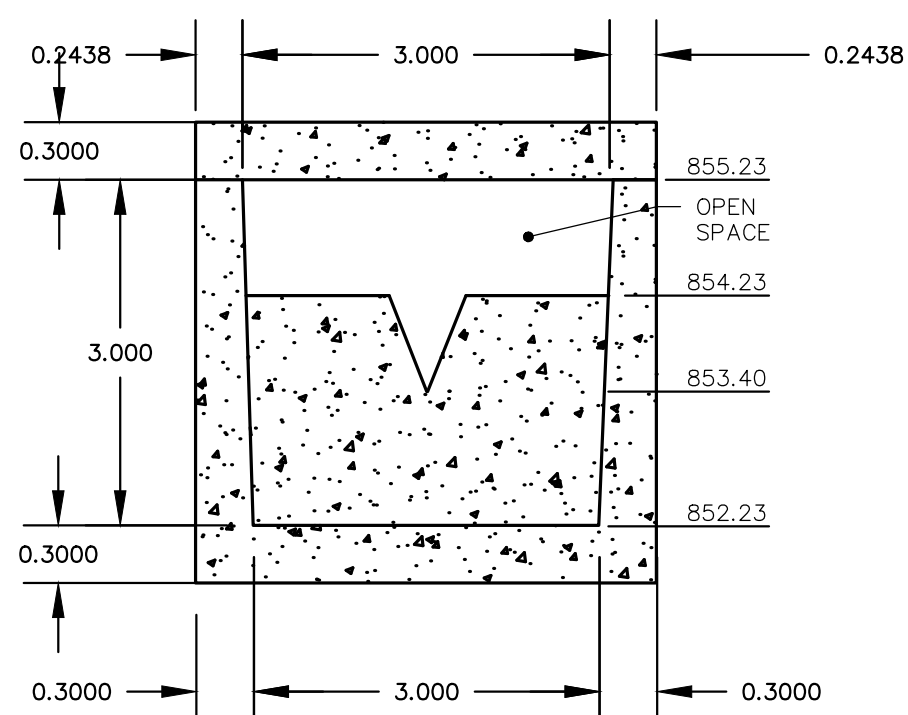
ROCK SANDWICH

NOT TO SCALE

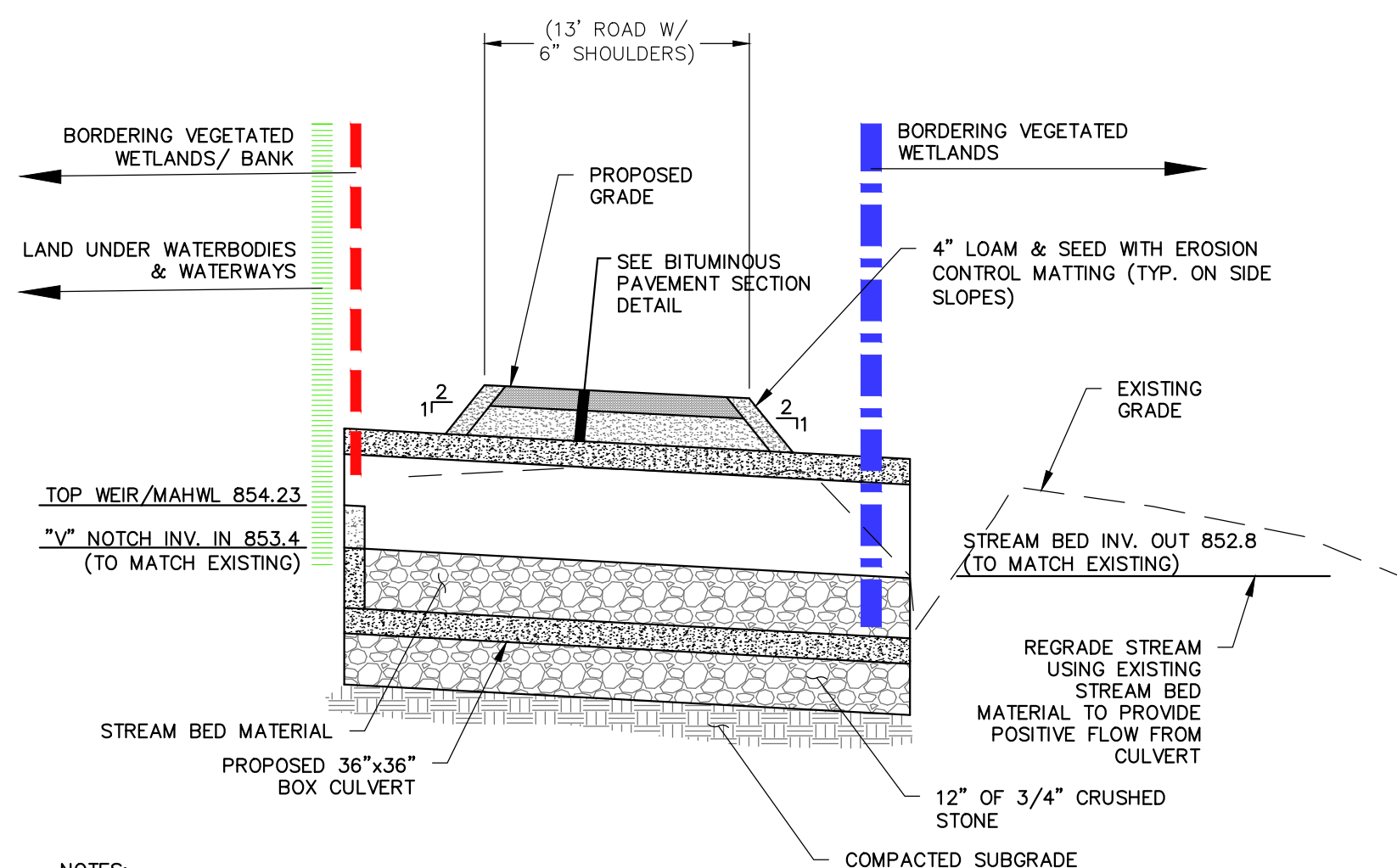


RIPRAP SLOPE PROTECTION

NOT TO SCALE



CULVERT INVERT

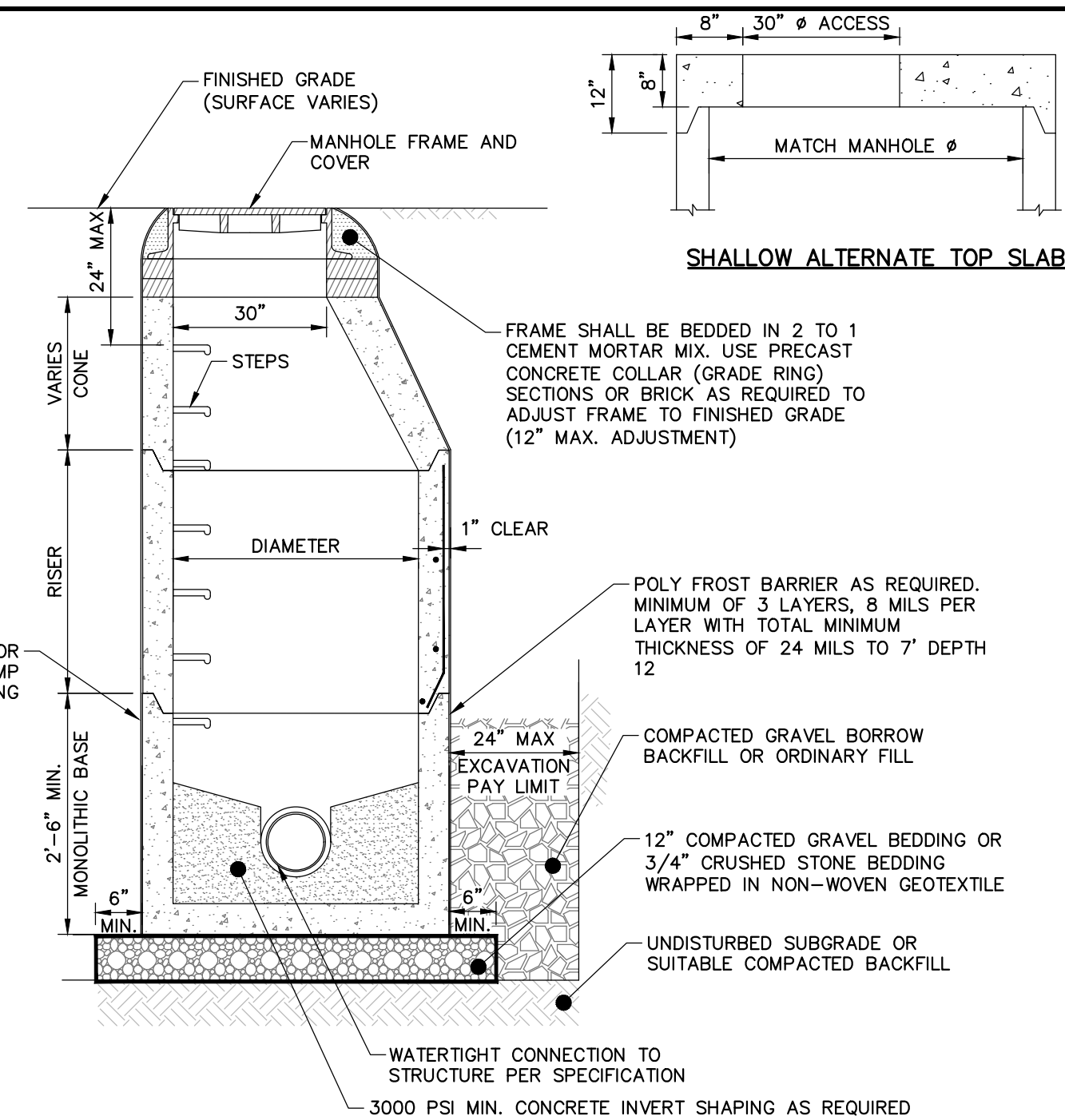


NOTES:

1. 36" X 36" PRECAST CONCRETE CULVERT AND ASSOCIATED WORK HAS BEEN APPROVED UNDER MASSDEP FILE NUMBER #167-0426.

36"X36" PRECAST CONCRETE BOX CULVERT

NOT TO SCALE

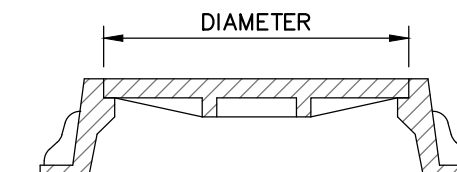


NOTES:

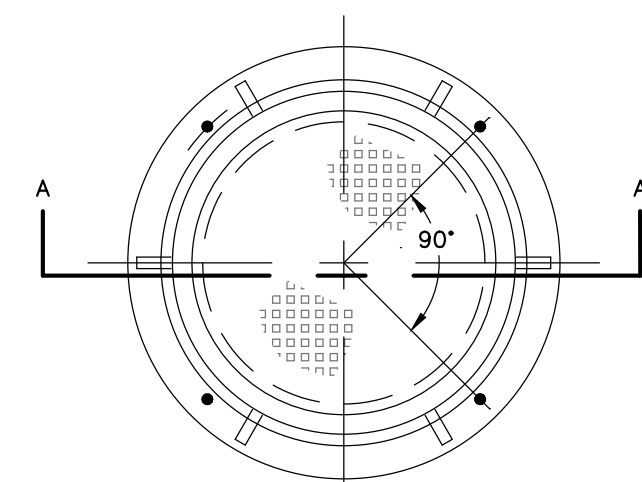
1. PRECAST CONCRETE STRUCTURES AND CASTINGS SHALL BE SUITABLE FOR HS-20 LOADING.
2. PRECAST CONCRETE STRUCTURES SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C-478.
3. ALTERNATE TOP SLAB MAY BE USED AS DICTATED BY DESIGN AND/OR FIELD CONDITIONS.
4. MANHOLE FRAME AND GRATE(S) SHALL MEET MUNICIPAL AND STATE SPECIFICATIONS WHEN APPLICABLE.
5. REFER TO PROJECT SPECIFICATIONS FOR MORE DRAINAGE MANHOLE INFORMATION.
6. JOINT SEALANT BETWEEN SECTIONS SHALL BE BUTYL RUBBER.
7. PROVIDE ANTIFLOTATION SLAB EXTENSION AS REQUIRED TO SATISFY ANTIFLOTATION REQUIREMENTS.

PRECAST CONCRETE DRAINAGE MANHOLE

NOT TO SCALE



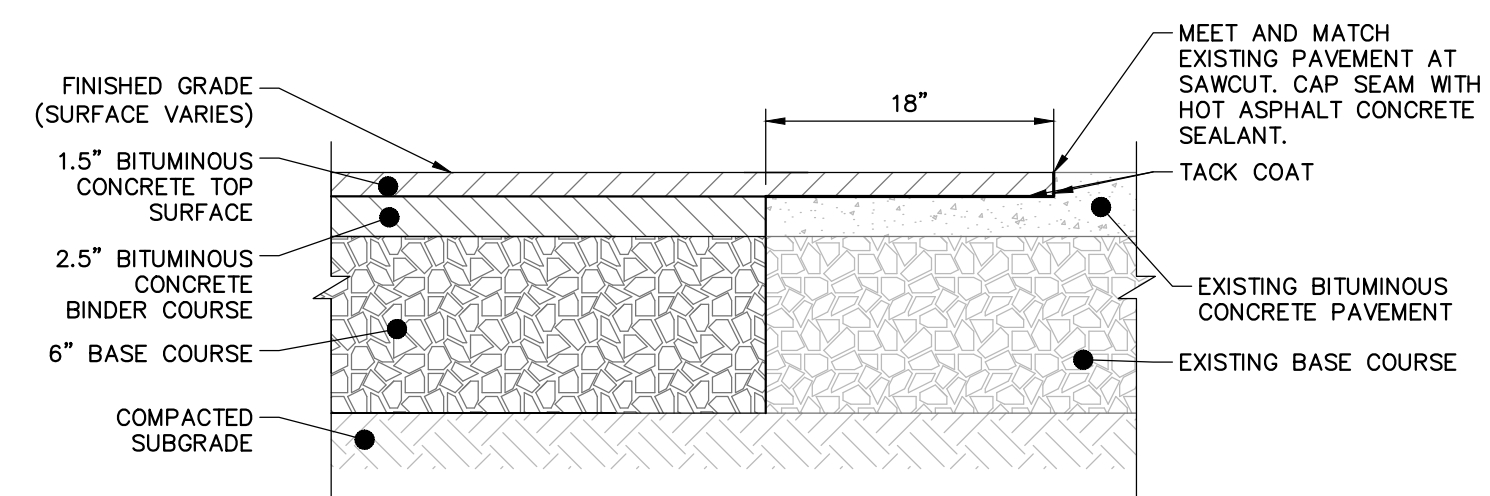
SECTION A-A'



PLAN

MANHOLE FRAME AND COVER

NOT TO SCALE



BITUMINOUS CONCRETE PAVEMENT BUTT JOINT

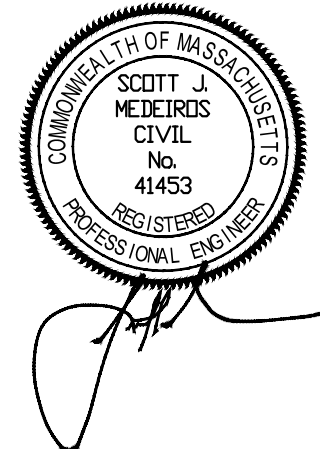
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DATE: JANUARY, 2023

SCALE: 1"=20'

DESIGNED BY: SMK

DRAWN BY: SMK

CHECKED BY: MM

FILENAME: 022925203-C40X.dwg

DRAWING TITLE:

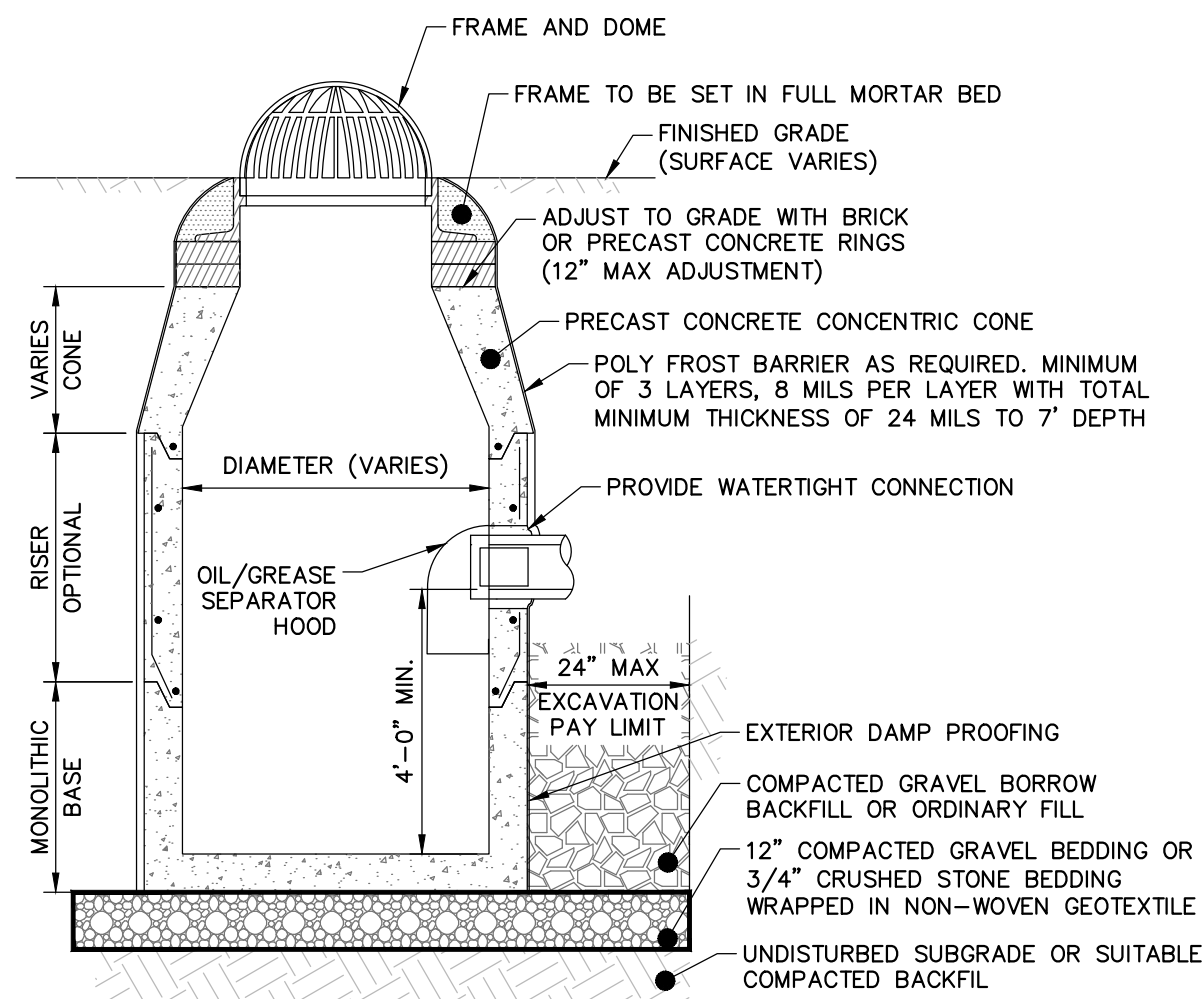
CIVIL
SITE DETAILS - 2

DRAWING NO:

C-401

SHEET: 18 OF 28

\\woodardcurran.net\shared\Projects\0229252\03 Great Barrington MA - Lake Mansfield Rec. Imp\wp\Drawings\Civil\0229252\03 C40X.dwg, Feb 20, 2023 - 12:20pm WDW

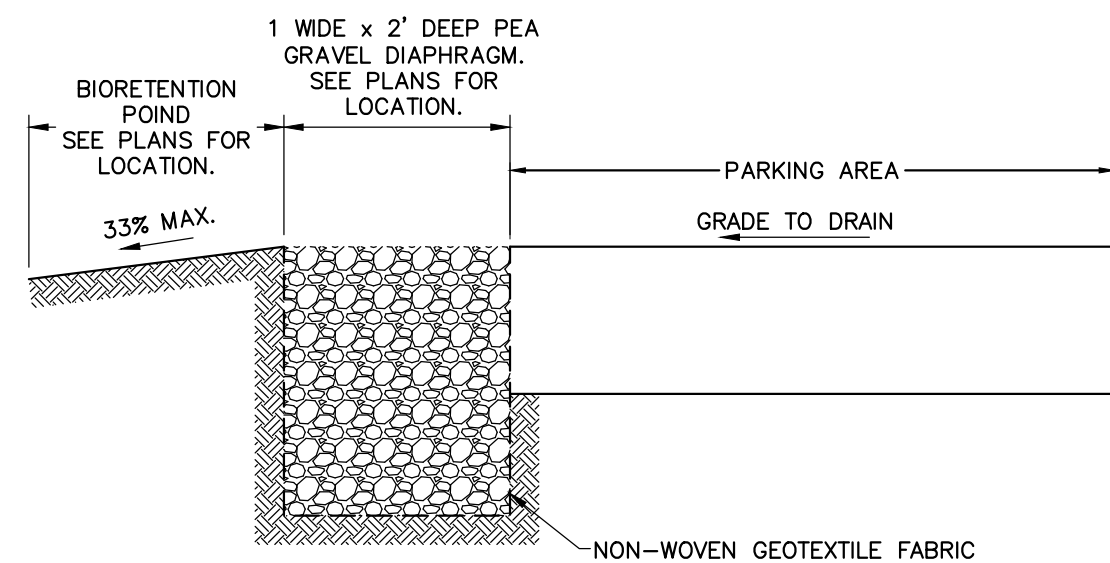


NOTES:

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 ANTIFLOATATION SLAB EXTENSION AS REQUIRED TO SATISFY ANTIFLOATATION REQUIREMENTS.

PRECAST DEEP SUMP CONCRETE CATCH BASIN

NOT TO SCALE



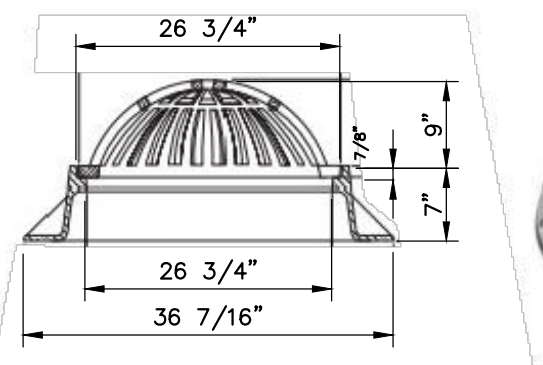
PEA GRAVEL DIAPHRAGM

NOT TO SCALE

R-2561
Inlet Frame, Beehive Grate

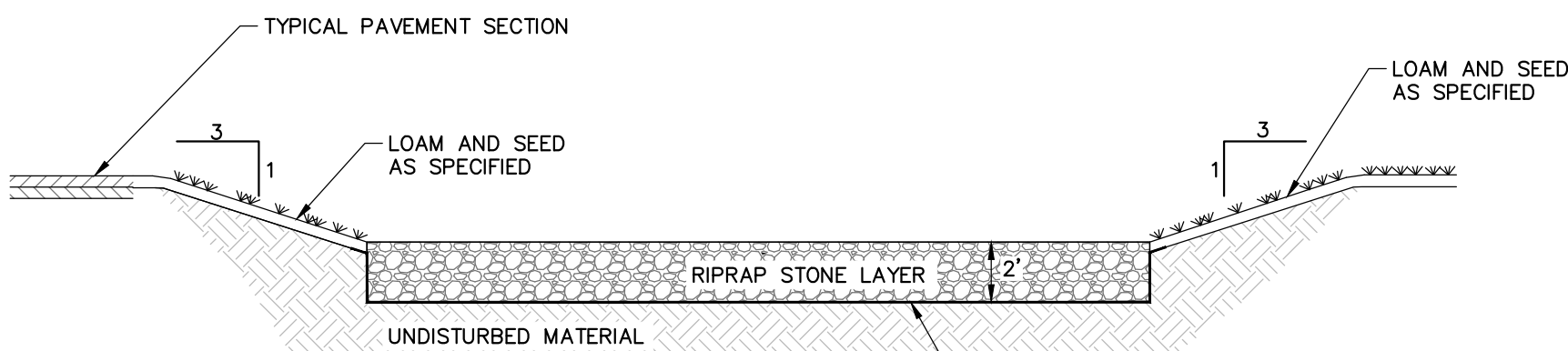
CATALOG NUMBER	GRATE TYPE	SO. FT. OPEN	WIDER PERIMETER (INCH) FEET
R-2561	Beehive	2.5	6.7

Available List R-1733



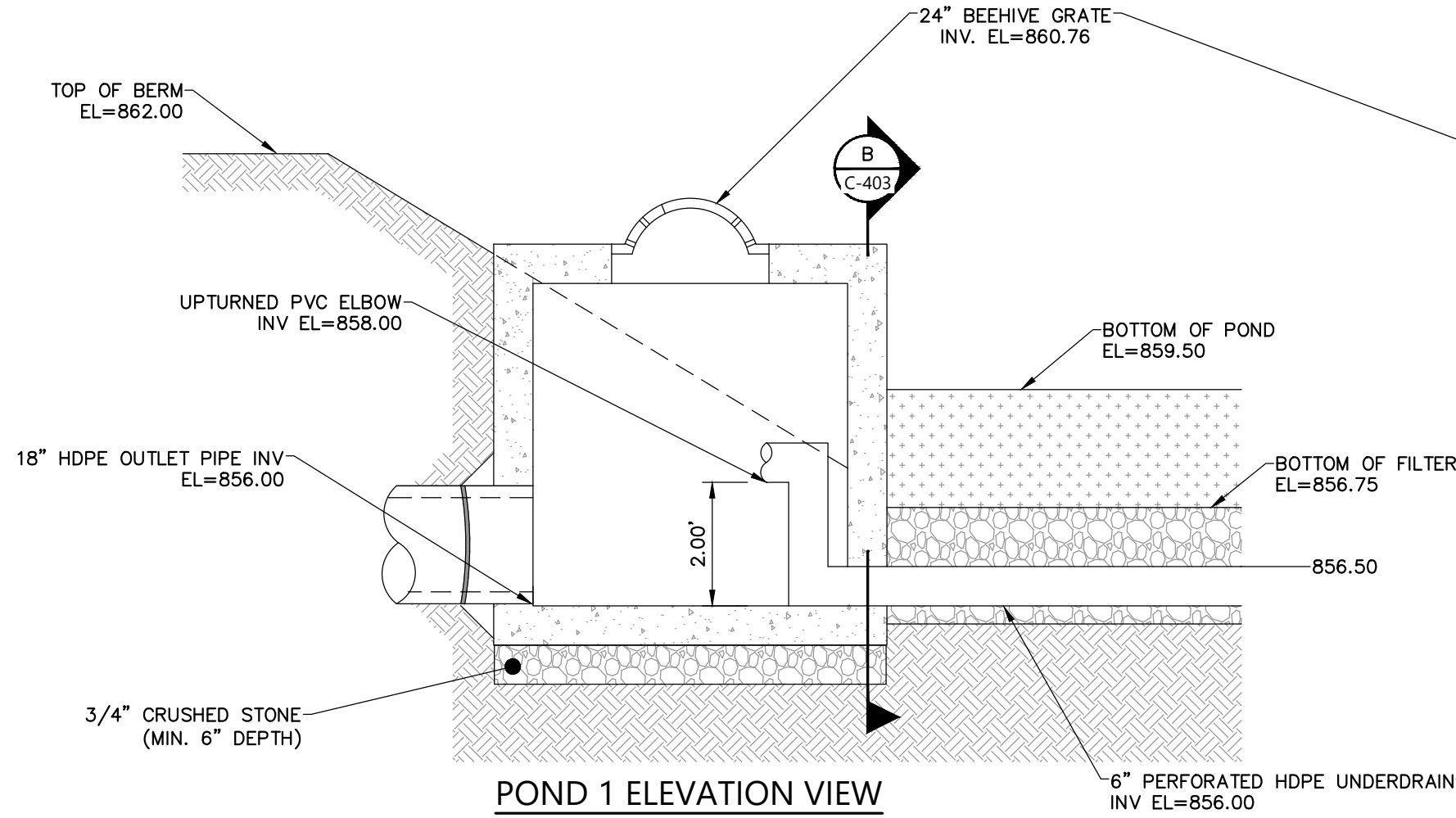
BEEHIVE GRATE

NOT TO SCALE



SEDIMENT FOREBAY

NOT TO SCALE



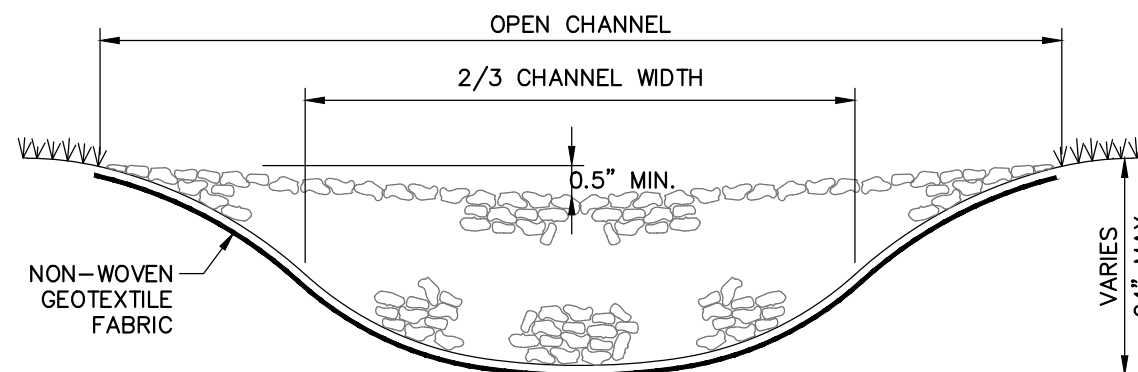
POND 1 ELEVATION VIEW

NOTES:

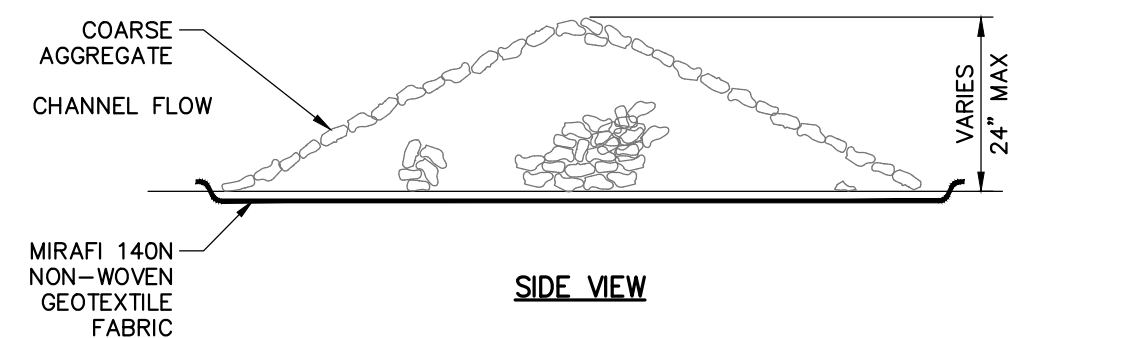
1. ALL SECTIONS SHALL BE 4,000 PSI CONCRETE (TYPE II CEMENT)
2. STRUCTURE SHALL BE DESIGNED FOR HS-20 LOADING.
3. ALL JOINTS ON STRUCTURE AND PIPING SHALL BE WATERTIGHT.
4. CONTRACTOR TO DESIGN AND INSTALL ANTI-FLOATATION MEASURES AS NEEDED.

OUTLET CONTROL STRUCTURE - 1

N.T.S.



FRONT VIEW



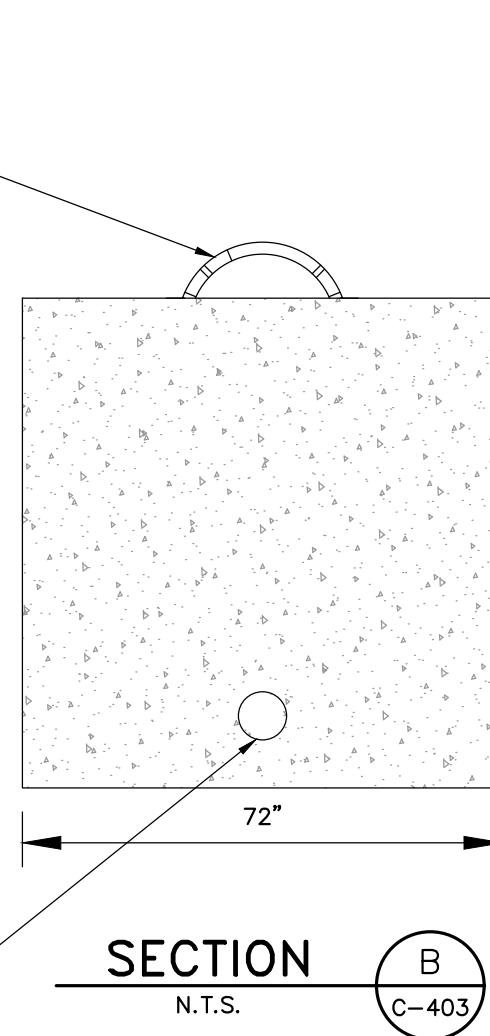
SIDE VIEW

NOTES:

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

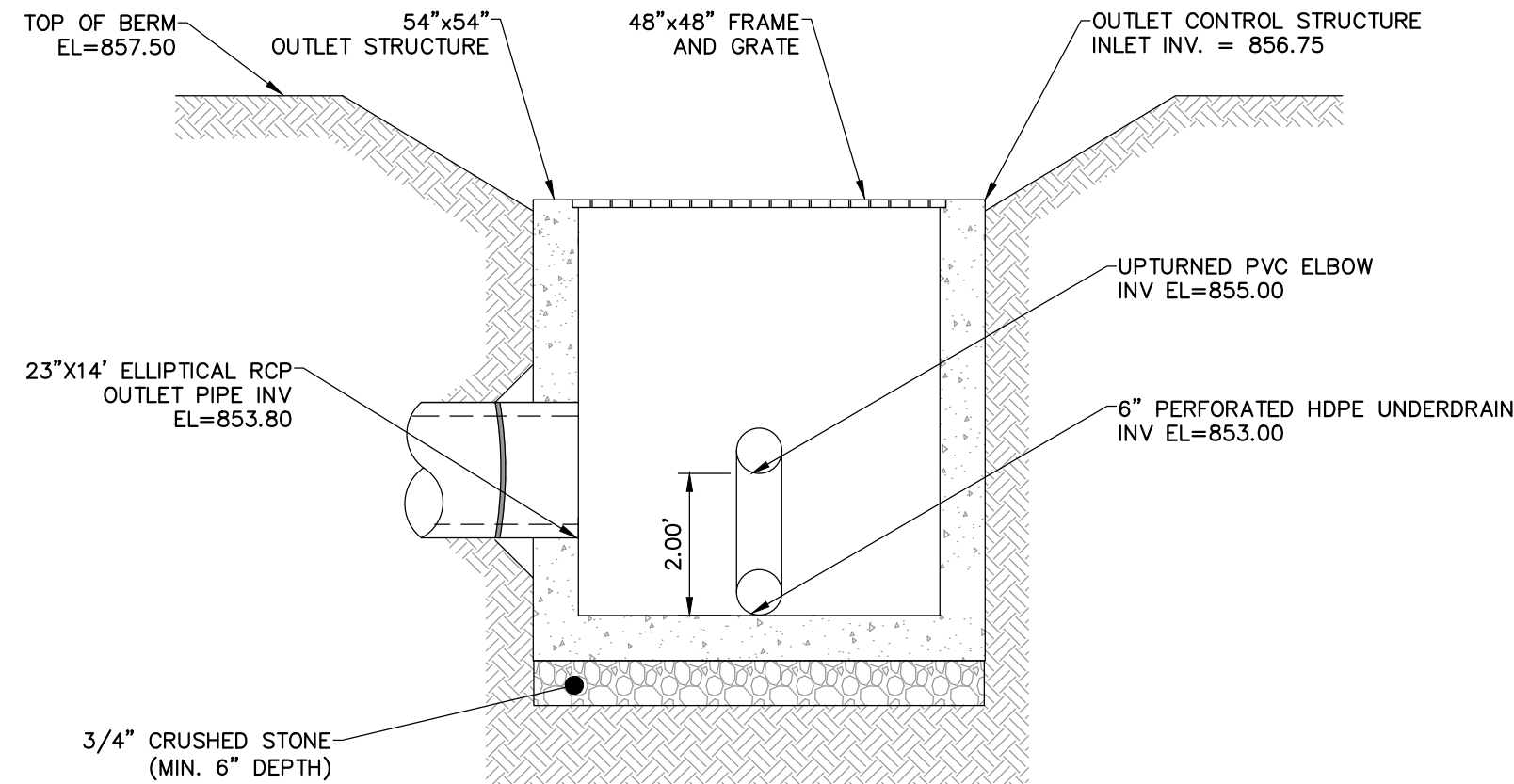
STONE BERM

NOT TO SCALE



SECTION B-C-403

N.T.S.



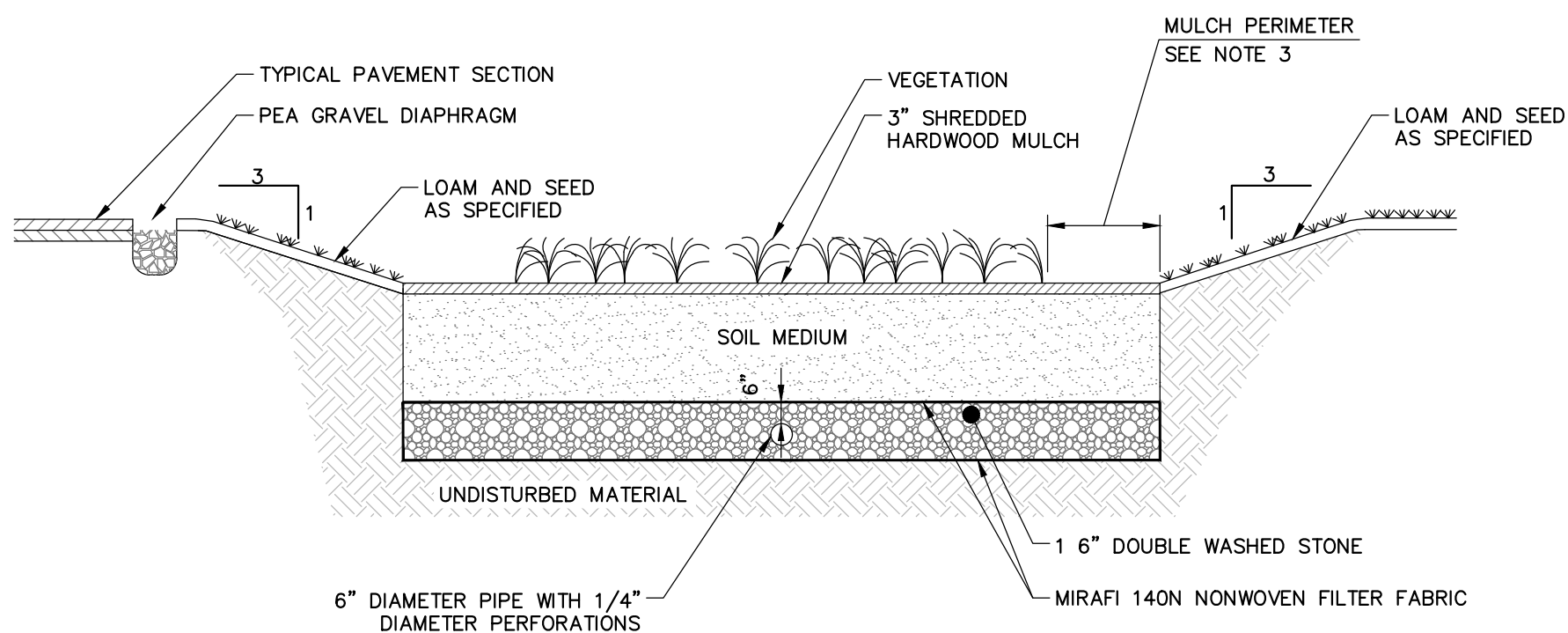
POND 2 ELEVATION VIEW

NOTES:

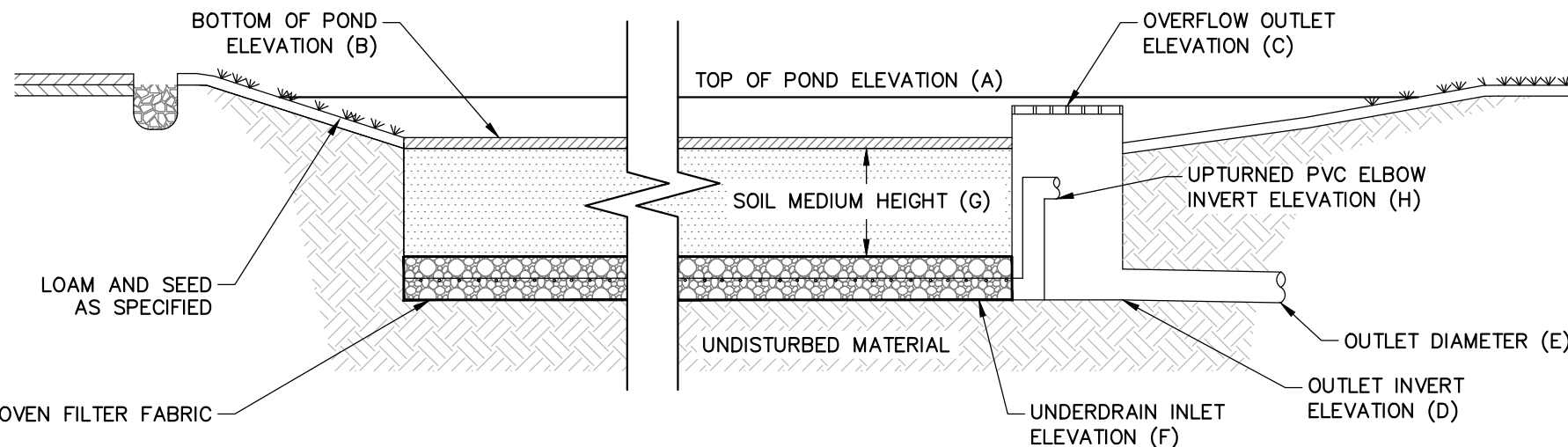
1. ALL SECTIONS SHALL BE 4,000 PSI CONCRETE (TYPE II CEMENT)
2. STRUCTURE SHALL BE DESIGNED FOR HS-20 LOADING.
3. ALL JOINTS ON STRUCTURE AND PIPING SHALL BE WATERTIGHT.
4. CONTRACTOR TO DESIGN AND INSTALL ANTI-FLOATATION MEASURES AS NEEDED.

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	586.50
OVERFLOW OUTLET EL. (C)	860.76	856.75
OUTLET INVERT EL. (D)	856.00	853.80
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



BIO-RETENTION POND

NOT TO SCALE

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.

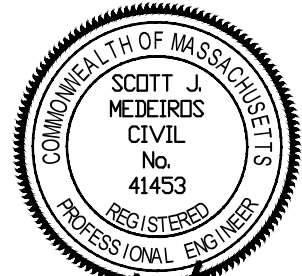


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REV MM/DD/YY DESCRIPTION

JOB NO: 0229252.03

DATE: JANUARY, 2023

SCALE: 1"=20'

DESIGNED BY: SMK

DRAWN BY: SMK

CHECKED BY: MM

FILENAME: 022925203-C40X.dwg

DRAWING TITLE:

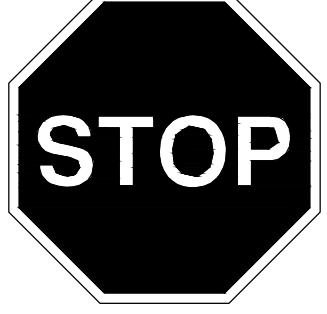
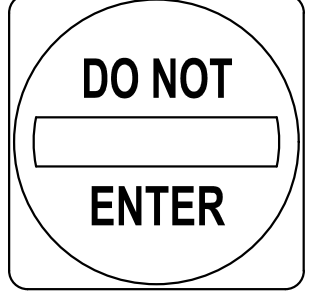
**CIVIL
SITE DETAILS - 3**

DRAWING NO:

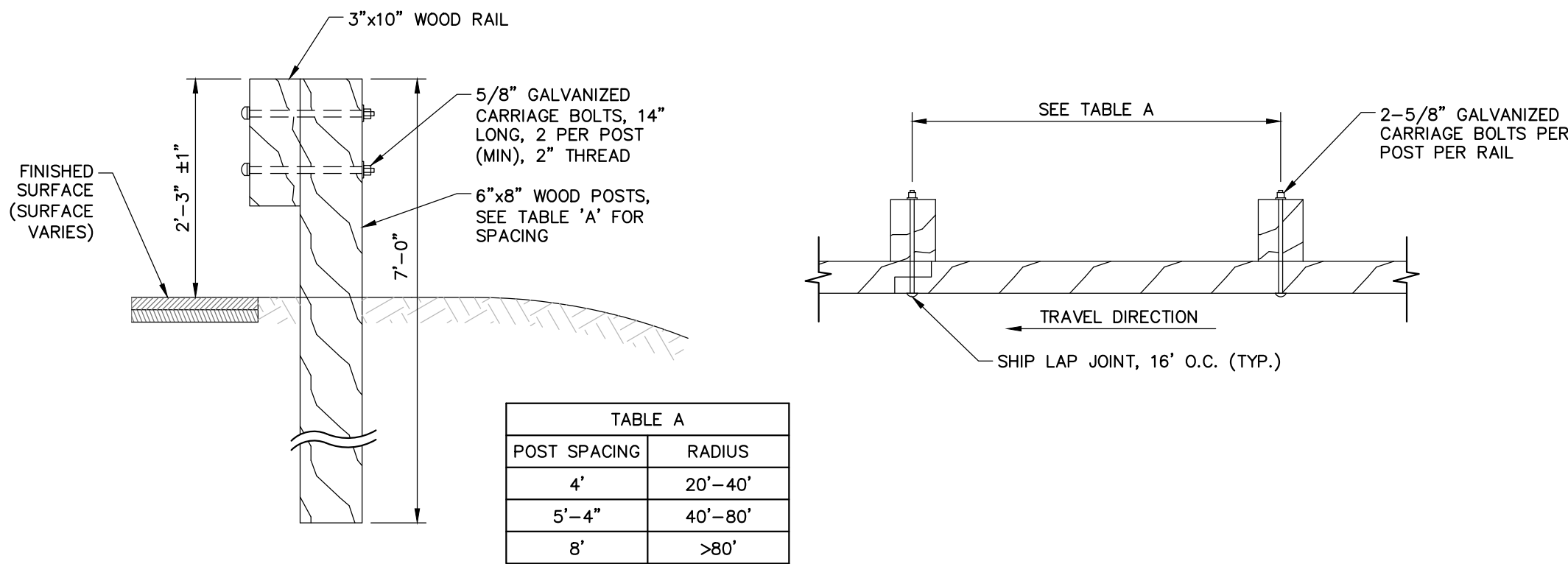
C-402

SHEET: 19 OF 28

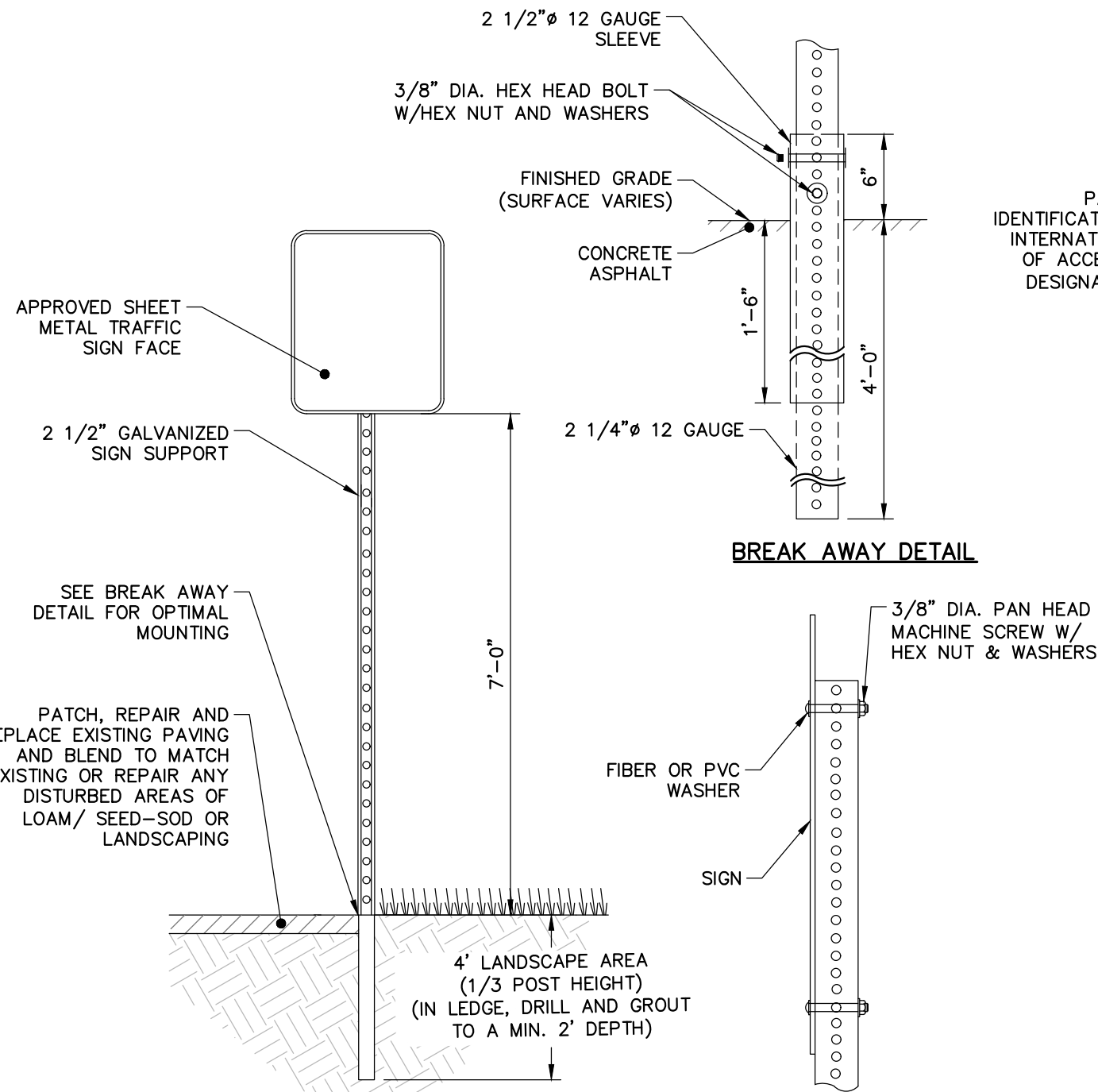
\\woodardcurran.net\shared\Projects\0229252\03 Great Barrington MA - Lake Mansfield Rec. Imp\wp\Drawings\Civil\022925203-C403.dwg, Feb 20, 2023 - 12:20pm (COW)

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		2
R7-8a	12	6		2
R11-4	60	30		1
W20-4	30	30		2

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

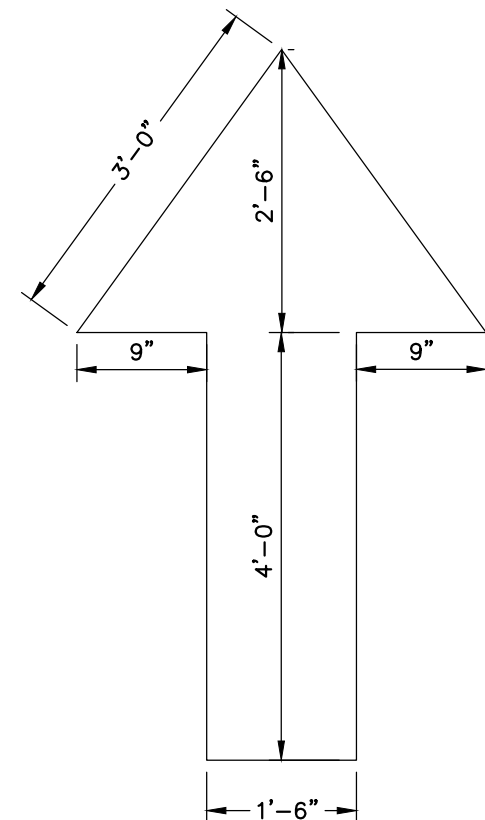


WOOD GUARDRAIL (NON-PEDESTRIAN)
NOT TO SCALE



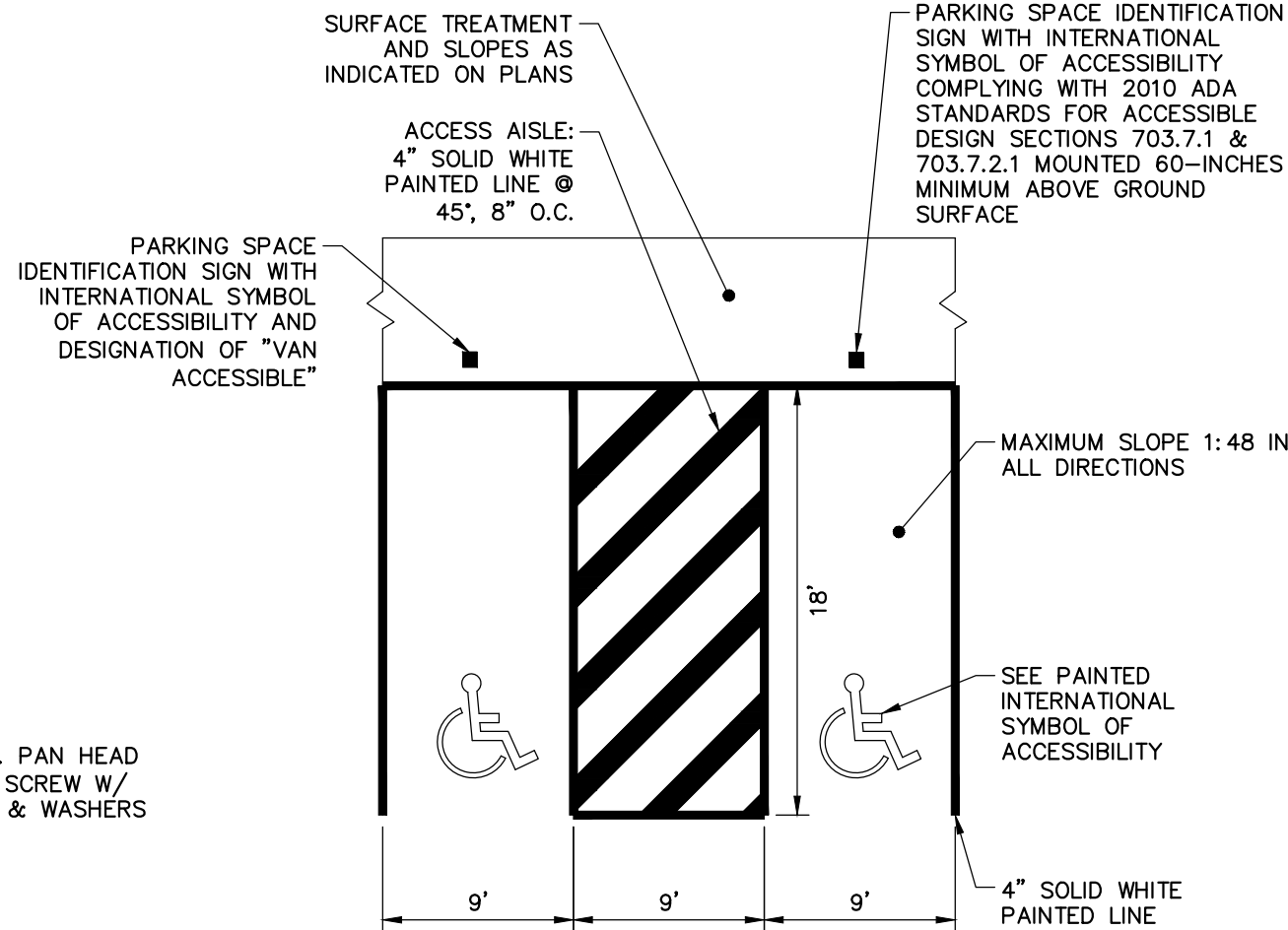
NOTES:
1. ALL HARDWARE SHALL BE STAINLESS STEEL.

TRAFFIC SIGN POST
NOT TO SCALE

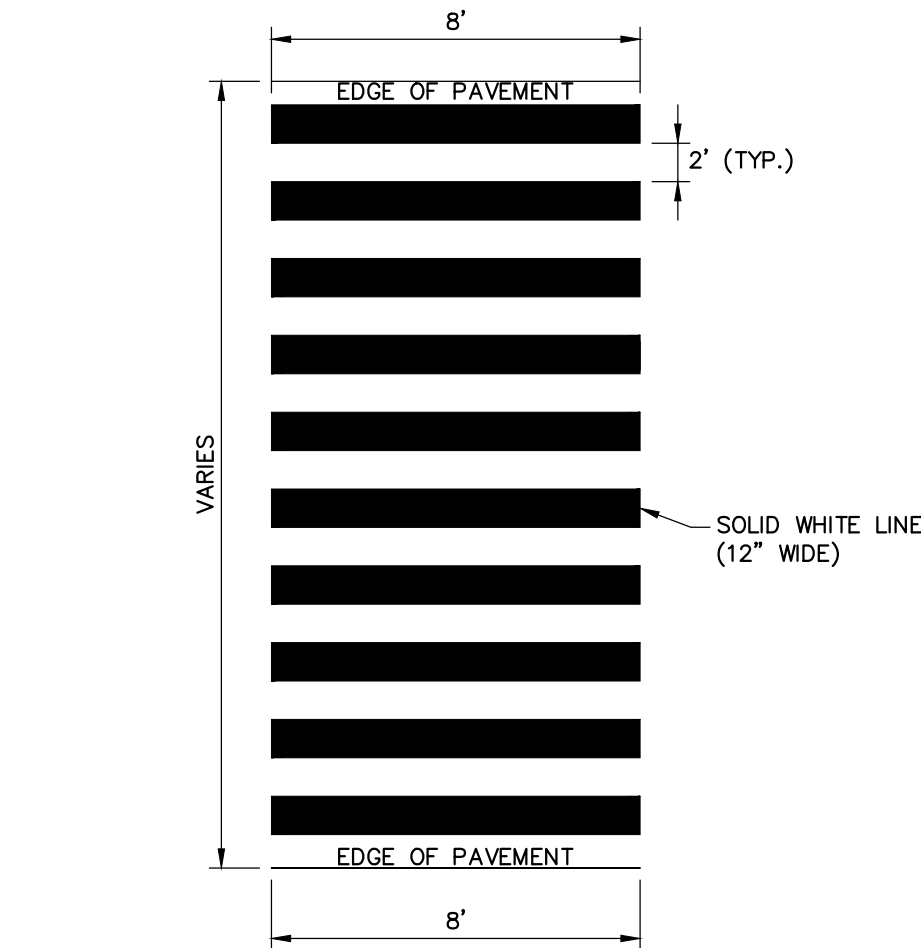


NOTE:
1. WHITE PAINTED ARROW SHALL BE USED ONLY FOR PARKING FACILITIES.

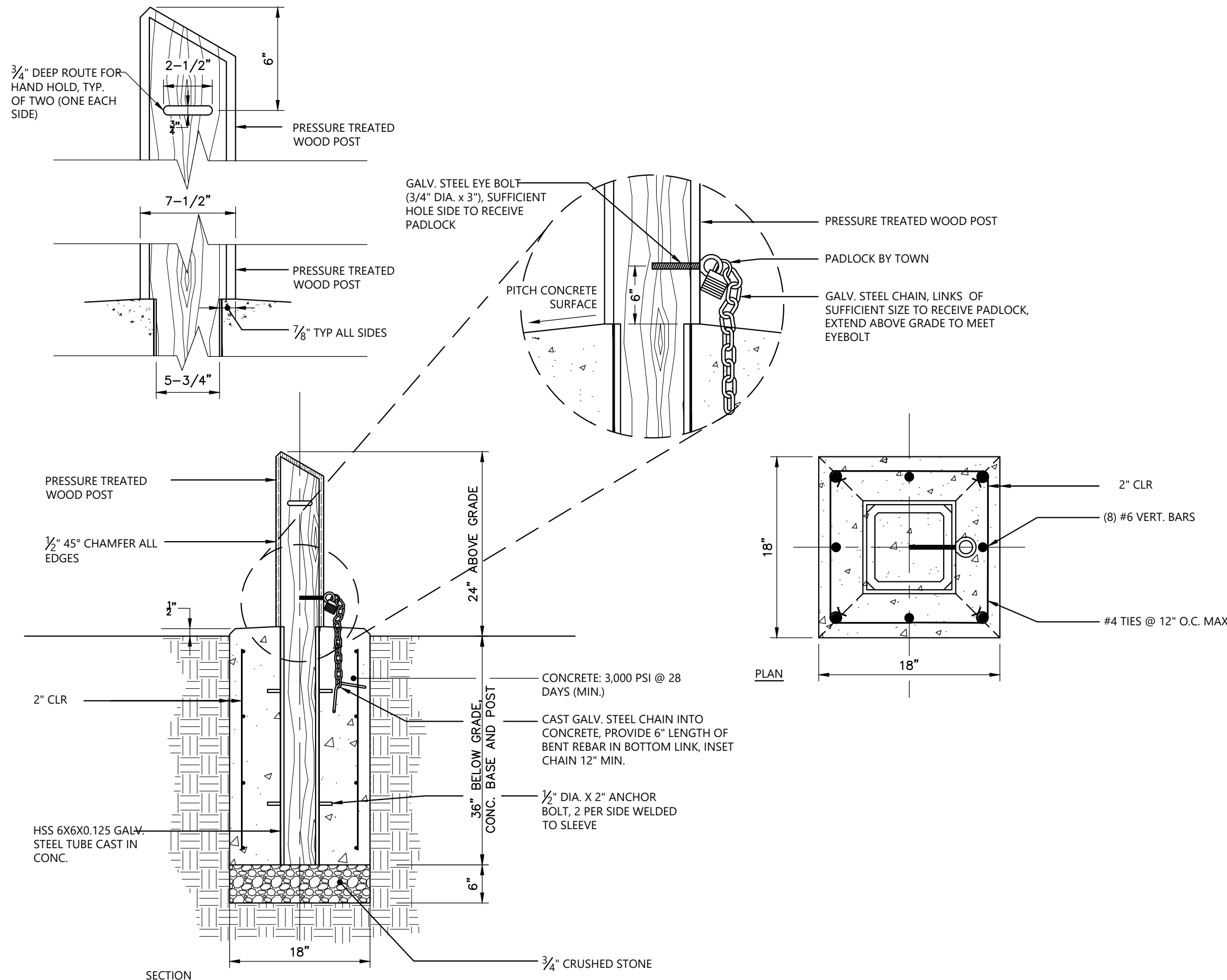
WHITE PAINTED ARROW
NOT TO SCALE



ACCESSIBLE PARKING STALL LAYOUT
NOT TO SCALE



CROSSWALK PAVEMENT MARKINGS
NOT TO SCALE



REMOVABLE WOOD BOLLARD
N.T.S.

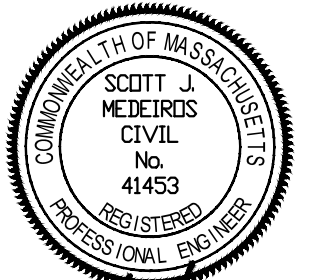


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PE SEAL:



NOT 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: JANUARY, 2023

SCALE: 1"=20'

DESIGNED BY: SMK

DRAWN BY: SMK

CHECKED BY: MM

FILENAME: 022925203-C40X.dwg

DRAWING TITLE:

**CIVIL
SITE DETAILS - 4**

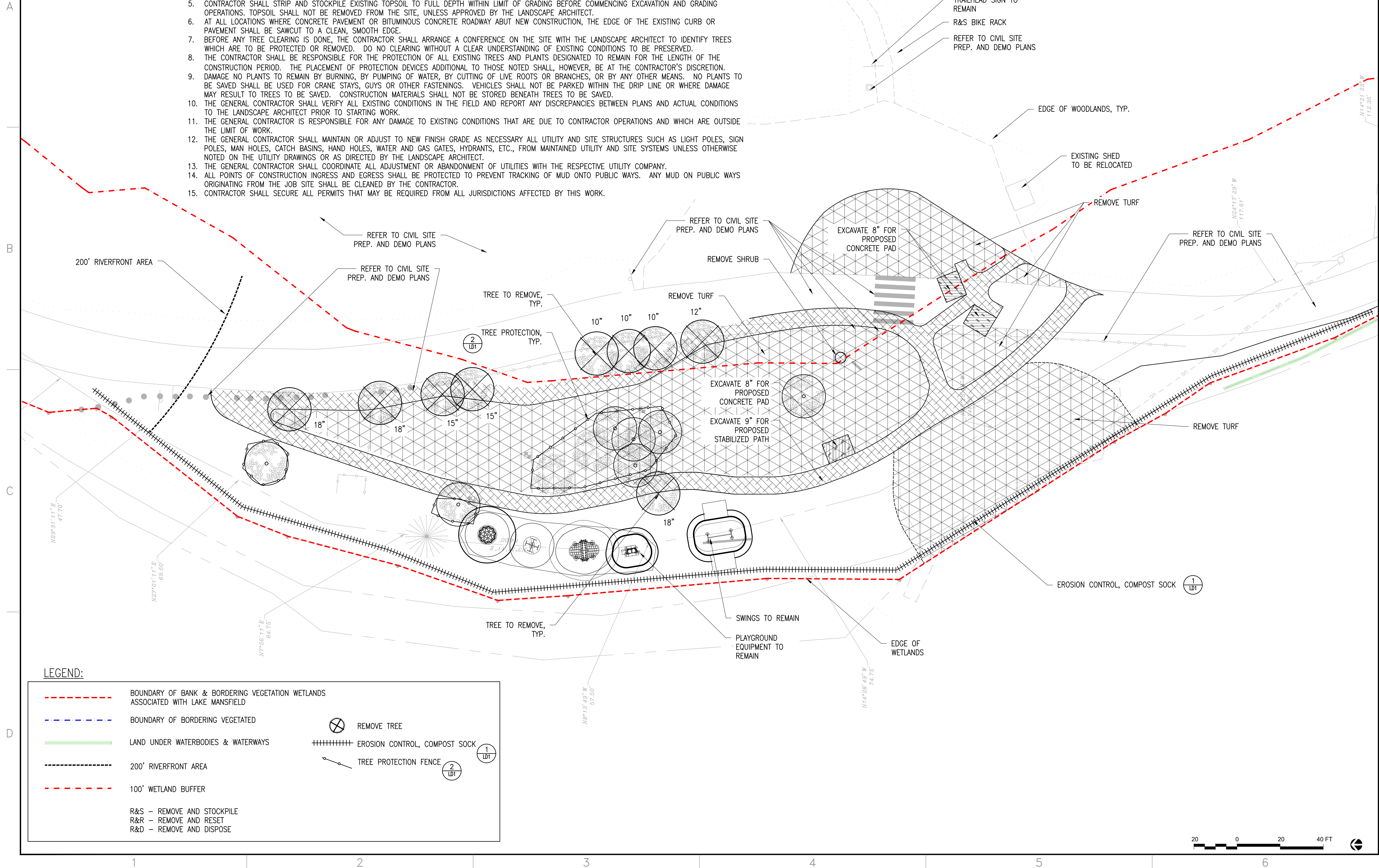
DRAWING NO:

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 ADJUT 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.



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
- ⊗ REMOVE TREE
- +++++ EROSION CONTROL, COMPOST SOCK
- TREE PROTECTION FENCE

R&S - REMOVE AND STOCKPILE
R&R - REMOVE AND RESET
R&D - REMOVE AND DISPOSE

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2	30% CD SUBMISSION	10/15/21	KZ	MD

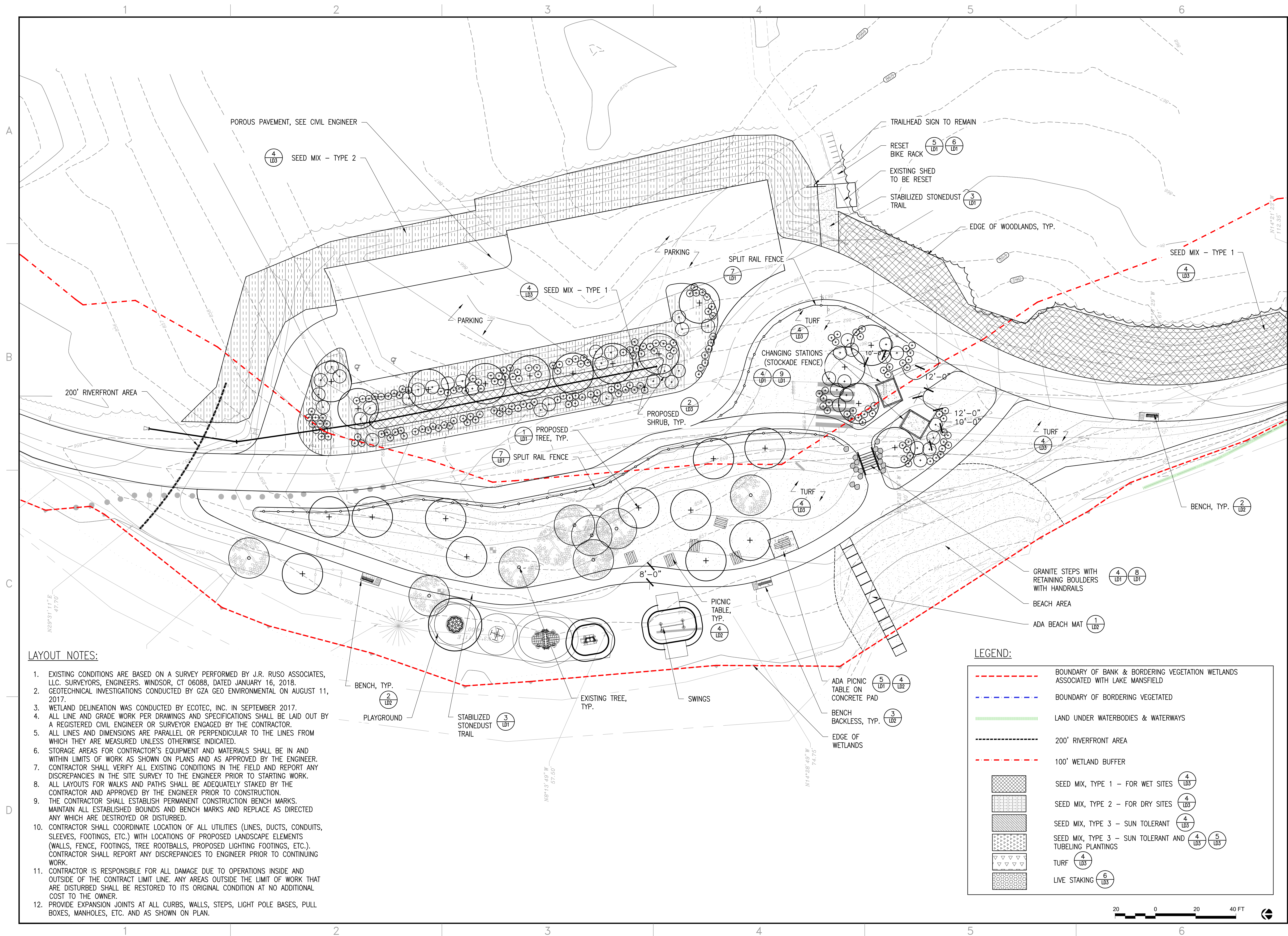
SITE PREPARATION AND DEMO
BEACH AND PLAYGROUND

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

LAKE MANSFIELD
AREA IMPROVEMENTS

JOB NO.:
DATE: FEBRUARY 3, 2023
SCALE: 1" = 20'-0"
SHEET: 1 OF 8

L1



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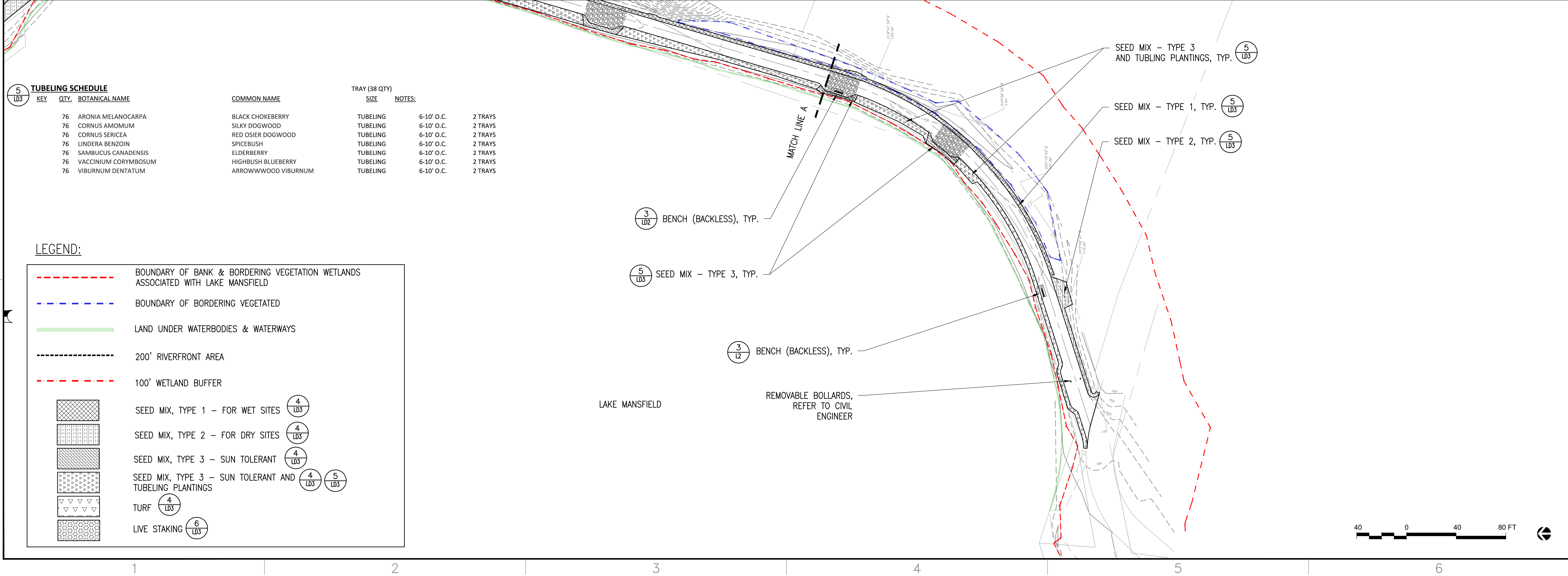
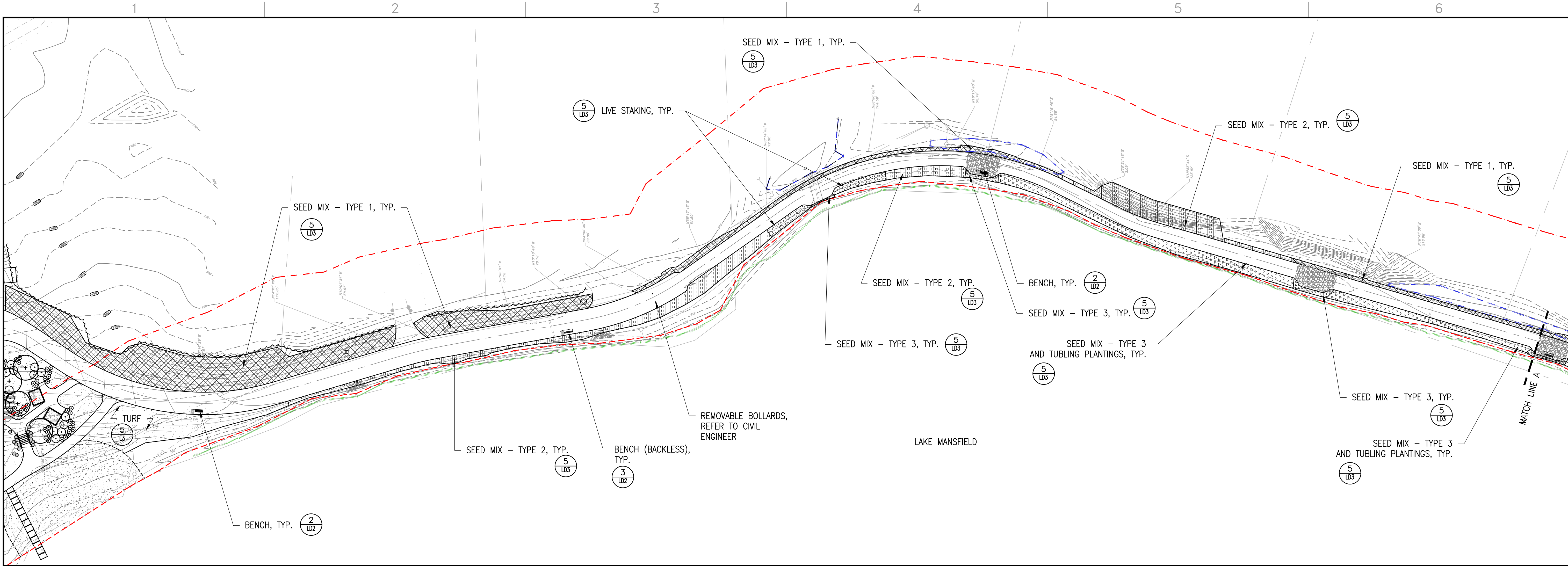
SITE IMPROVEMENT PLAN - BEACH AND PLAYGROUND

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

LAKE MANSFIELD
AREA IMPROVEMENTS

JOB NO.:
DATE/FEBRUARY 3, 2023
SCALE: 1" = 20'-0"
SHEET: 2 OF 8

L2



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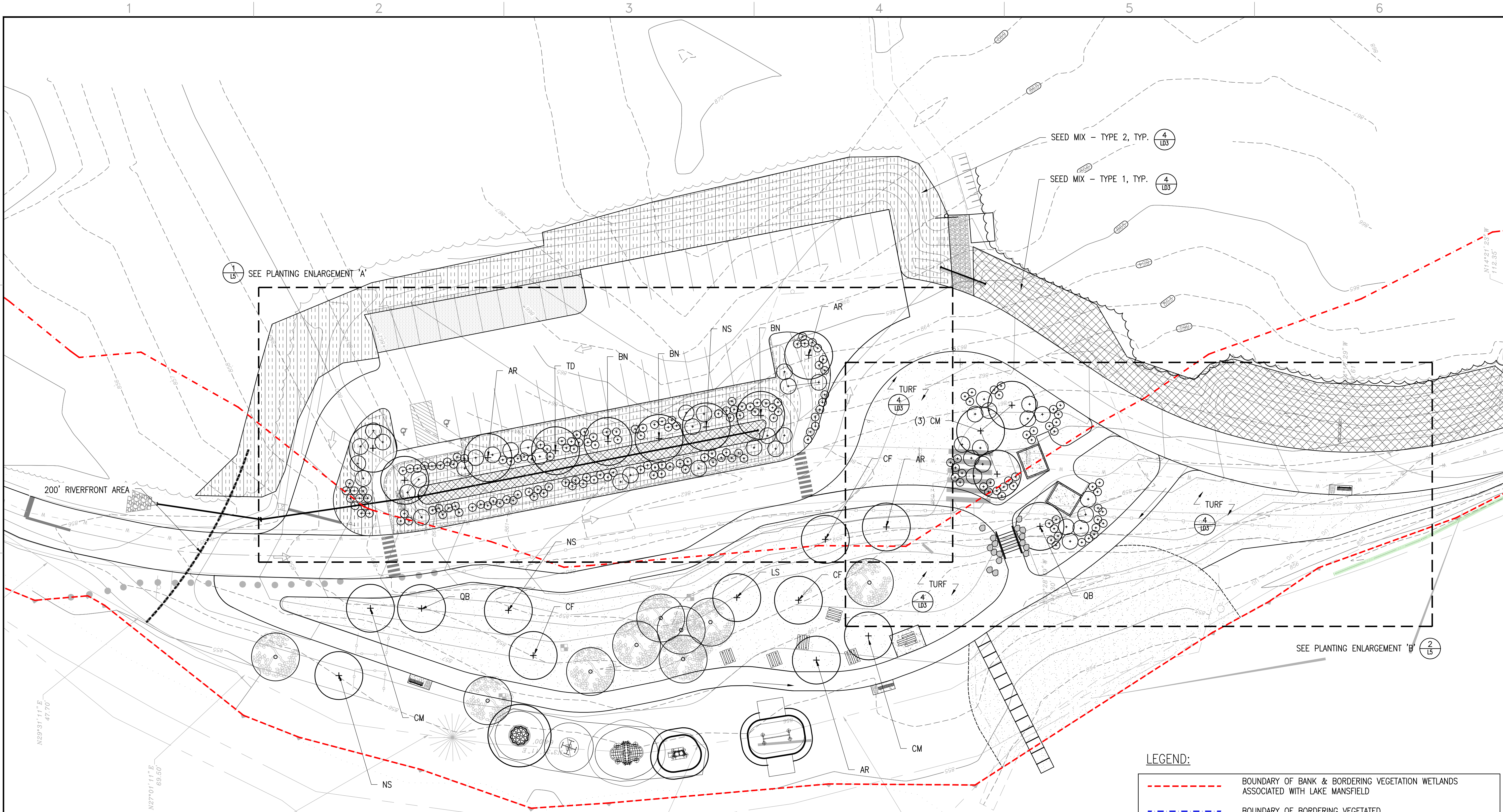
**SITE IMPROVEMENT AND PLANTING PLAN -
MAIN PATHWAY**

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

**LAKE MANSFIELD
AREA IMPROVEMENTS**

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

L3



1 LBS TREE SCHEDULE			
KEY	QTY.	BOTANICAL NAME	COMMON NAME
TREES			
AR	4	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE
BN	3	BETULA NIGRA	RIVER BIRCH
CM	5	CERCIS CANADENSIS 'MINNESOTA STRAIN'	EASTERN REDBUD
CF	3	CORNUS FLORIDA 'CHEROKEE PRINCESS'	FLOWERING DOGWOOD
LS	1	LIQUIDAMBAR STYRACIFLUA 'ROTUNDILOBA'	SWEETGUM
NS	3	NYSSA SYLVATICA 'WILDFIRE'	WILDFIRE SOURGUM
QB	2	QUERCUS BICOLOR	SWAMP WHITE OAK

SIZE	NOTES:
2.5" CAL.	
2" CAL.	SPRING DUG ONLY
2" CAL.	SPRING DUG ONLY
3" CAL.	SPRING DUG ONLY
2" CAL.	SPRING DUG ONLY
3" CAL.	

- NOTES:
- SHRUBS, PERENNIALS AND BULB SCHEDULE, SEE SHEET L4.

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 (4 LBS)
	SEED MIX, TYPE 2 - FOR DRY SITES (4 LBS)
	SEED MIX, TYPE 3 - SUN TOLERANT (4 LBS)
	SEED MIX, TYPE 3 - SUN TOLERANT AND TUBELING PLANTINGS (4 LBS) (5 LBS)
	TURF (4 LBS)
	LIVE STAKING (6 LBS)



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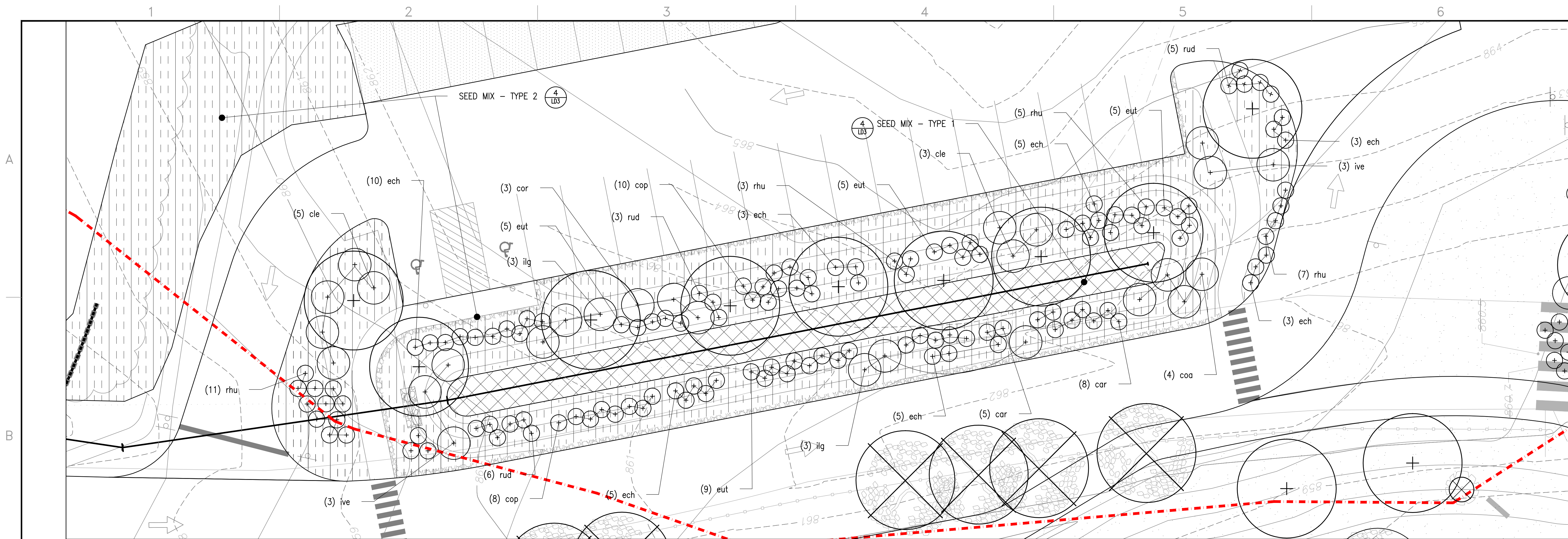
PLANTING PLAN -
BEACH AND PLAYGROUND

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

LAKE MANSFIELD
AREA IMPROVEMENTS

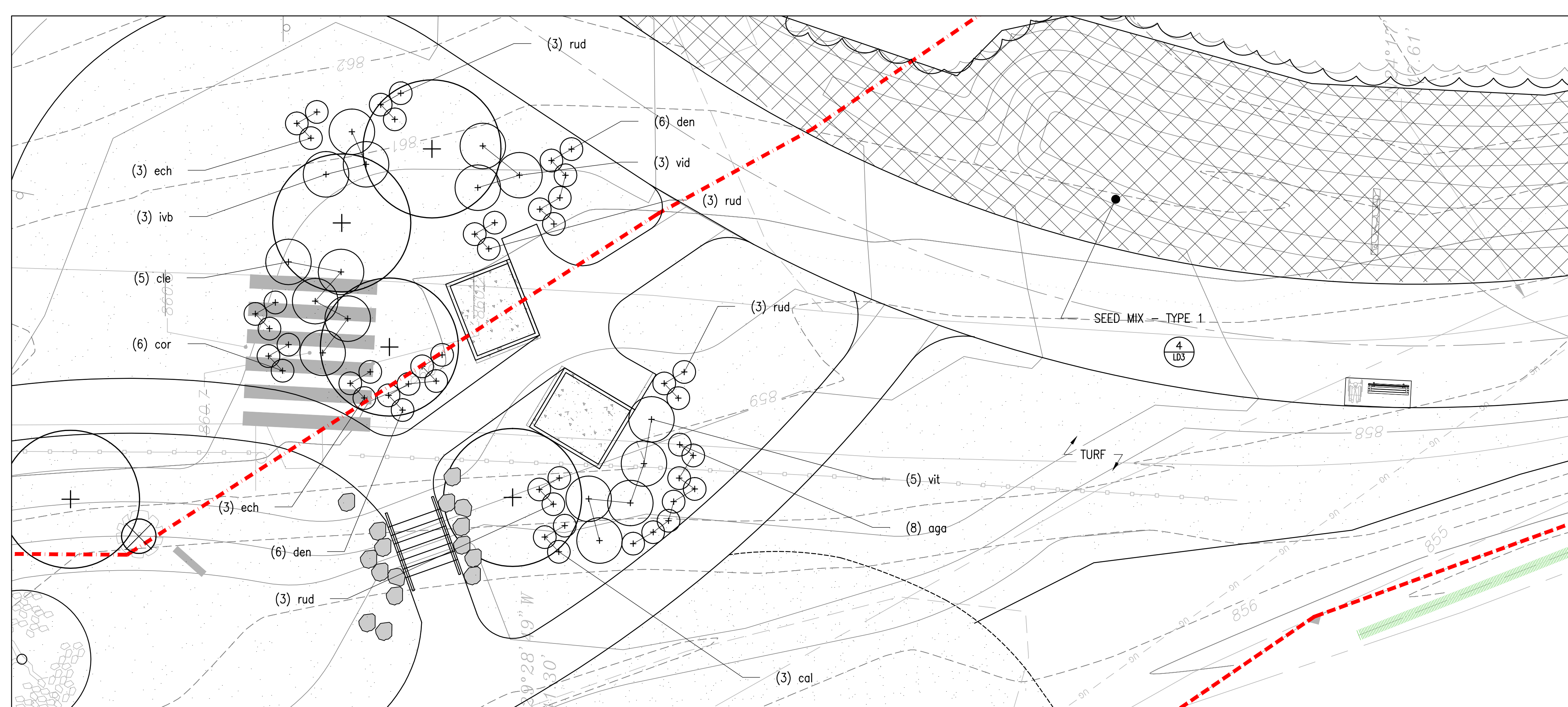
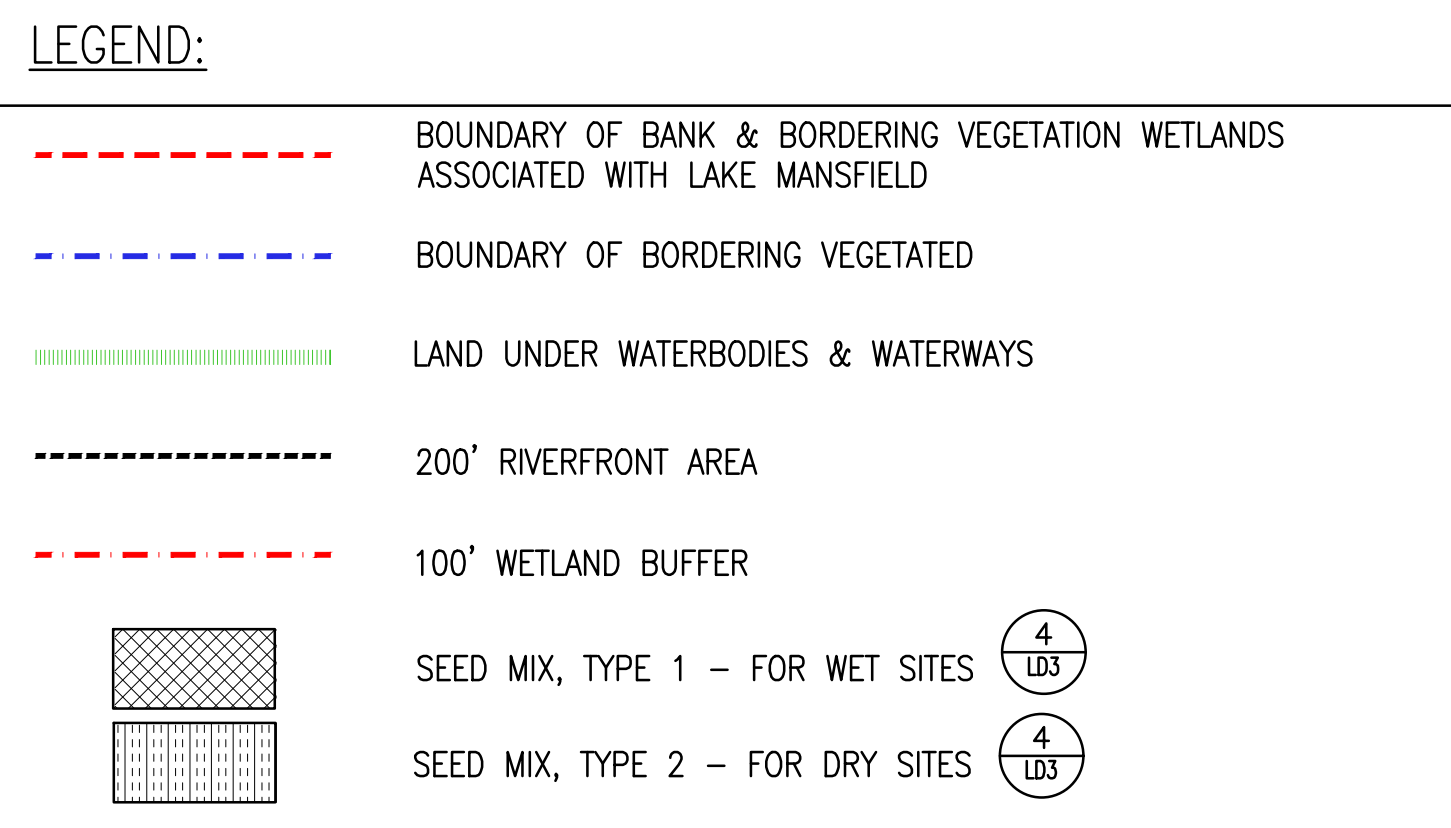
JOB NO.:
DATE: FEBRUARY 3, 2022
SCALE: 1" = 20'-0"
SHEET: 4 OF 8

L4



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

SHRUB, PERENNIAL AND BULB SCHEDULE				
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE
SHRUBS				
ara		ARONIA ARBUTIFOLIA	RED CHOKEBERRY	tbd
cle	13	CLETHRA ALNIFOLIA 'HUMMINGBIRD'	HUMMINGBIRD SUMMERSWEET	tbd
cop	18	COMPTONIA PEREGRINA	SWEETFERN	tbd
cor		CORNUS ALBA	RED TWIG DOGWOOD	tbd
coa	4	CORNUS AMOMUM	SILKY DOGWOOD	tbd
ilg	6	ILEX GKABRA 'SHAMROCK'	SHAMROCK INKBERRY	tbd
ivb	3	ILEX X MESERVEAE 'BLUE PRINCESS/BLEU PRINCE' (5:1 BLUE HOLLY	WINTERBERRY	tbd
ive	6	ILEX VERTICILLATA	WINTERBERRY	tbd
rhu	26	RHUS AROMATICA GRO-LOW	GRO-LOW FRAGRANT SUMAC	tbd
vid	3	VIBURNUM DENTATUM	ARROWWOOD VIBURNUM	tbd
vit	5	VIBURNUM TRILOBUM	AMERICAN CRANBERRBUSH VIBURNUM	tbd
PERENNIALS				
aga	8	AGASTACHE 'BLUE FORTUNE'	HUMMINGBIRD MINT 'BLUE FORTUNE'	1 GAL.
cal	3	CALAMAGROSIS X ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER REED GRASS	1 GAL.
car	13	CAREX VULPINOIDEA	FOX SEDGE	1 GAL.
cor	13	COREOPSIS VERTICILLATA 'MOONBEAM'	THREADLEAF COREOPSIS	1 GAL.
den	12	DENNSTAEDIA PUNCTILOBULA	HAY SCENTED FERN	1 GAL.
ech	40	ECHINACEA PURPUREA	PINK CONEFLOWER	1 GAL.
eut	24	EUTROCHUM PURPUREUM	JOE-PYE WEED	1 GAL.
rud	26	RUDBECKIA GOLDSTRUM	BLACK EYED SUSAN	1 GAL.



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

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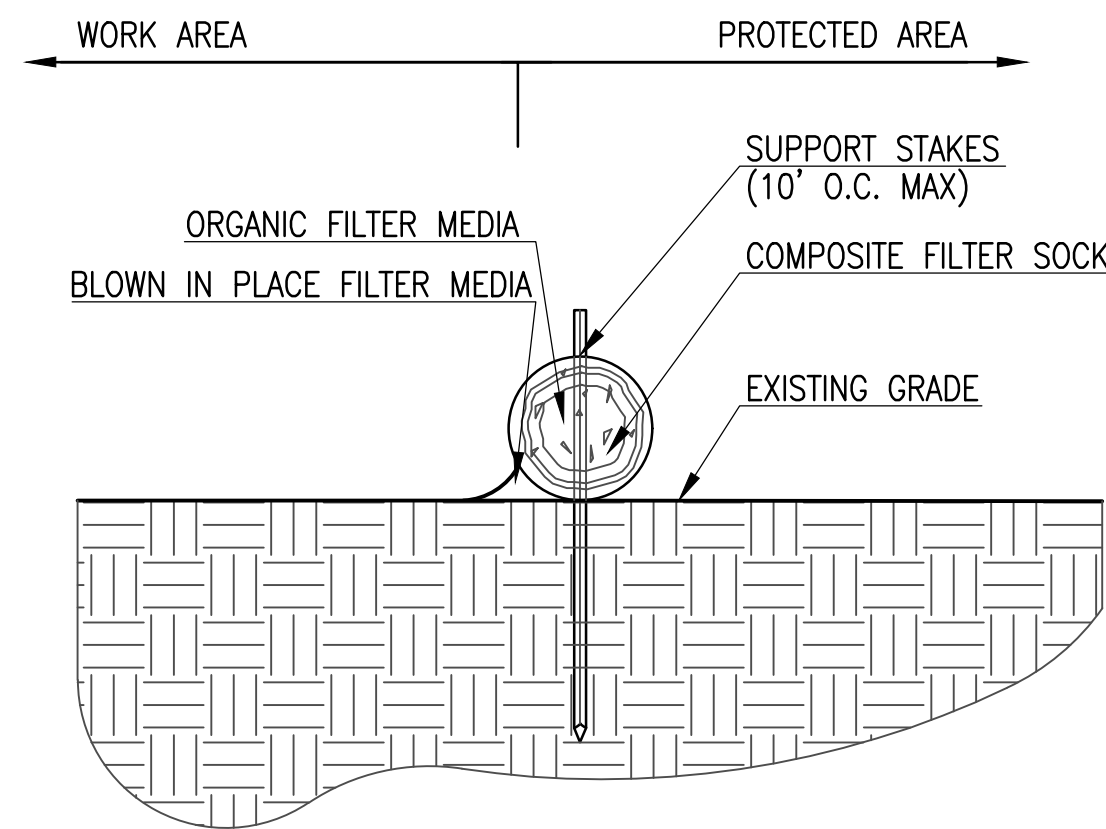
PLANTING ENLARGEMENT PLAN -
BEACH AND PLAYGROUND

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

LAKE MANSFIELD
AREA IMPROVEMENTS

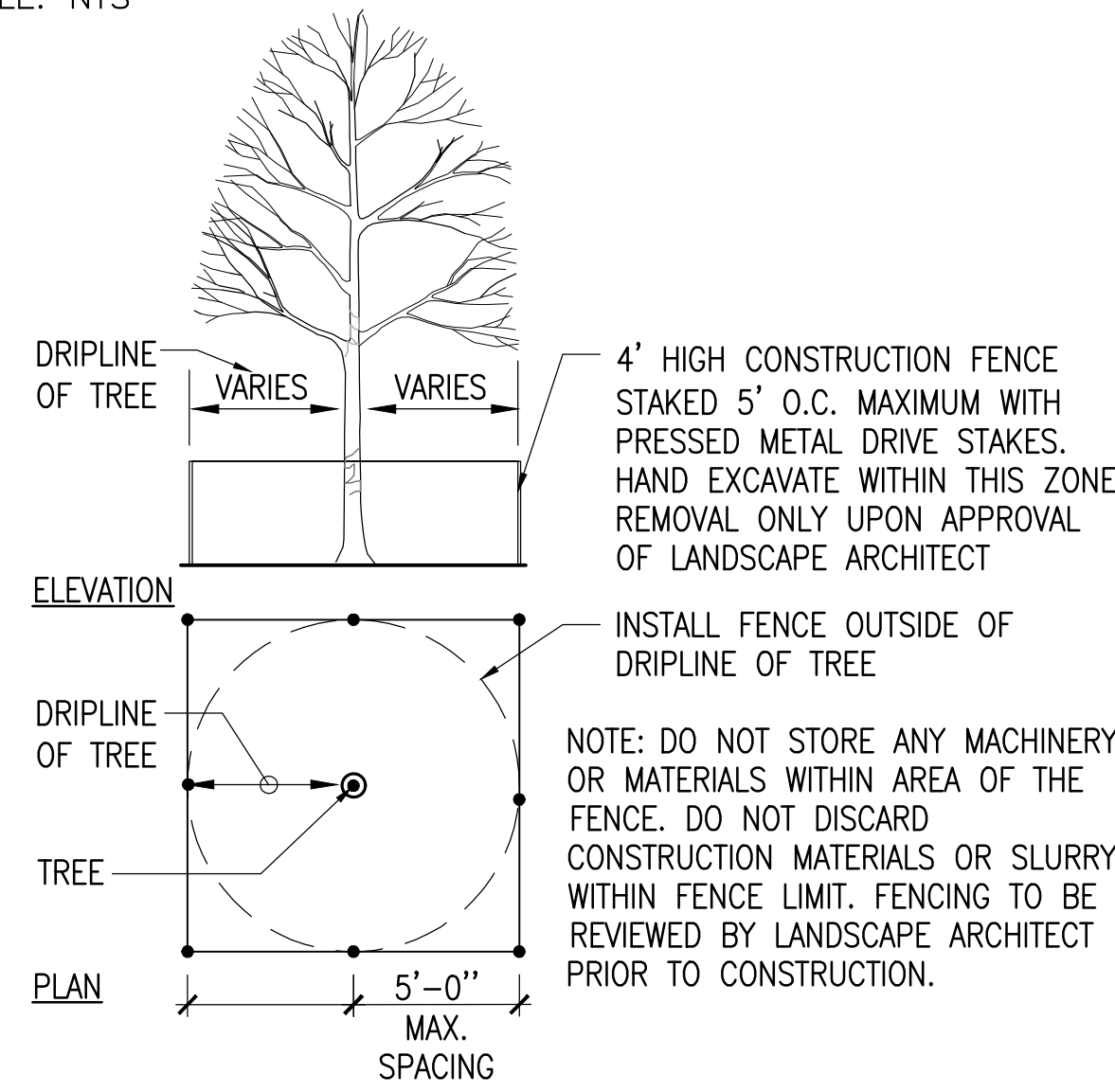
JOB NO.:
DATE: FEBRUARY 3, 2022
SCALE: AS SHOWN
SHEET: 5 OF 8

L5



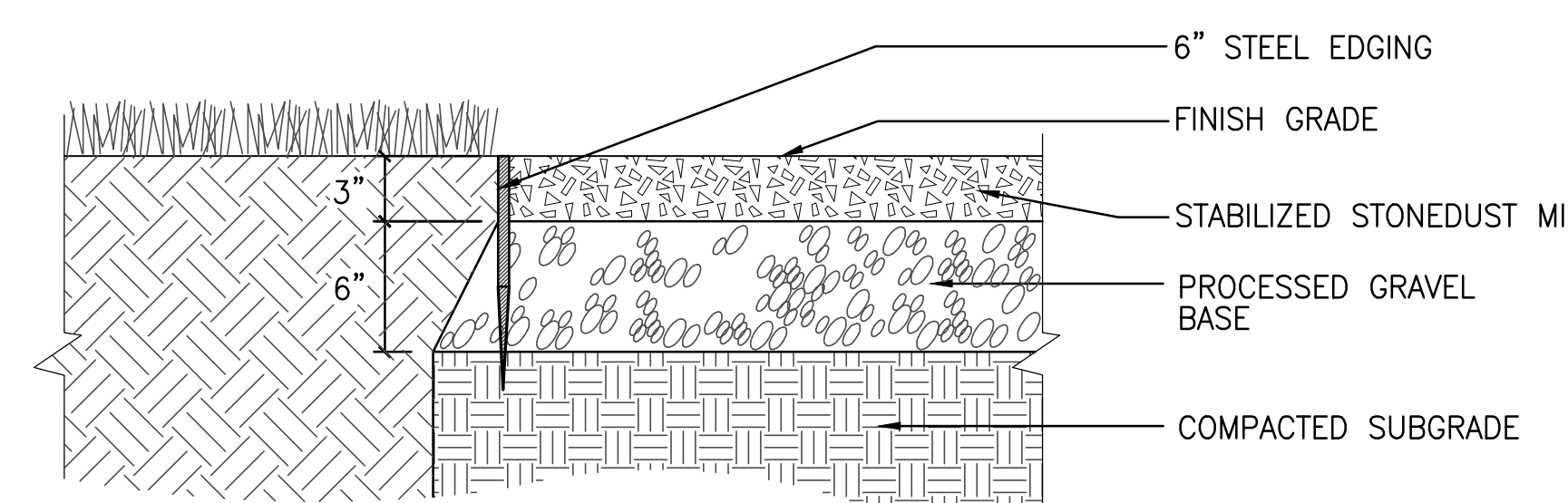
1 STRAW WADDLE

SCALE: NTS



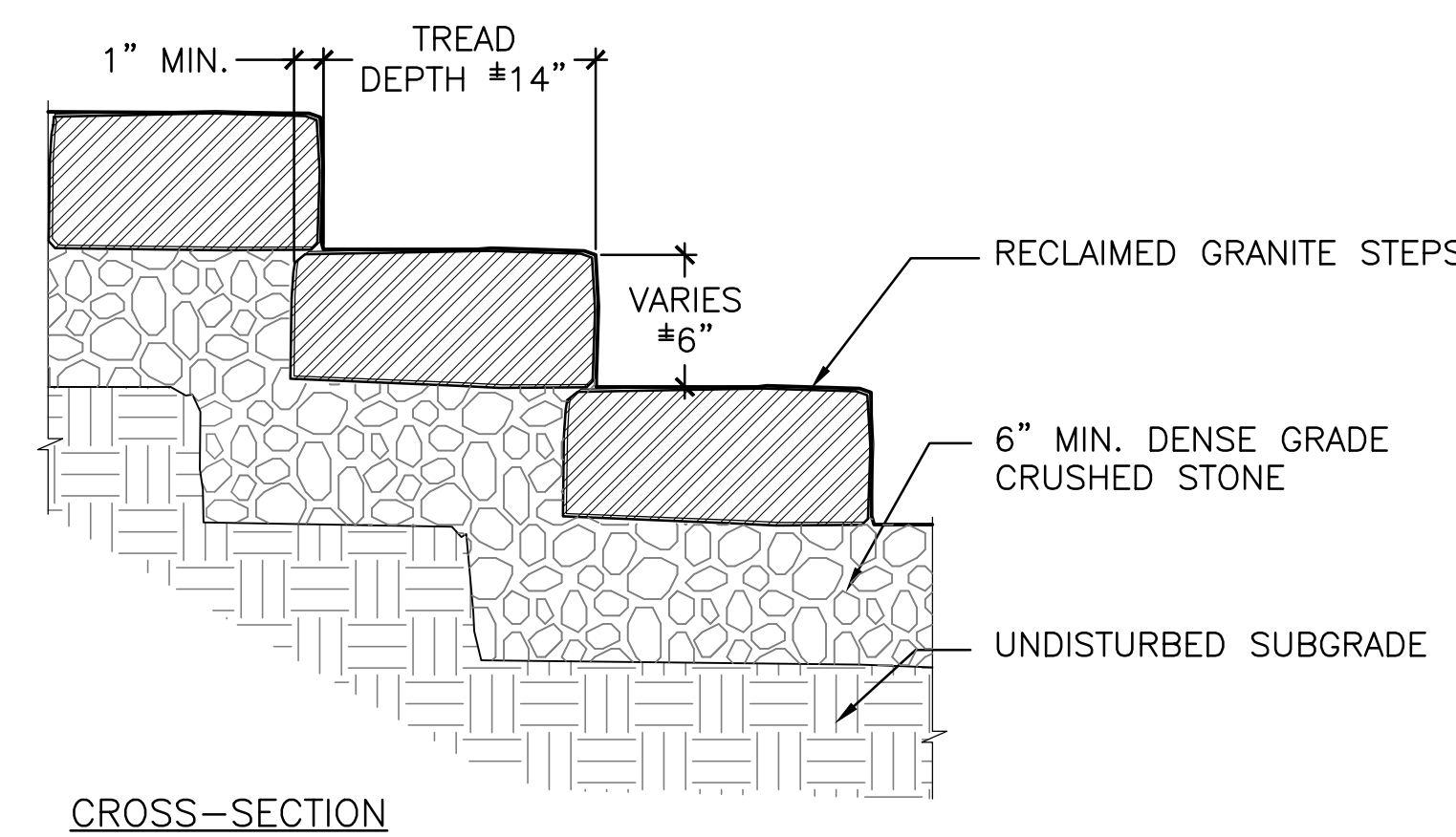
2 TREE PROTECTION

SCALE: NTS



3 STABILIZED STONEDUST W/ STEEL EDGING

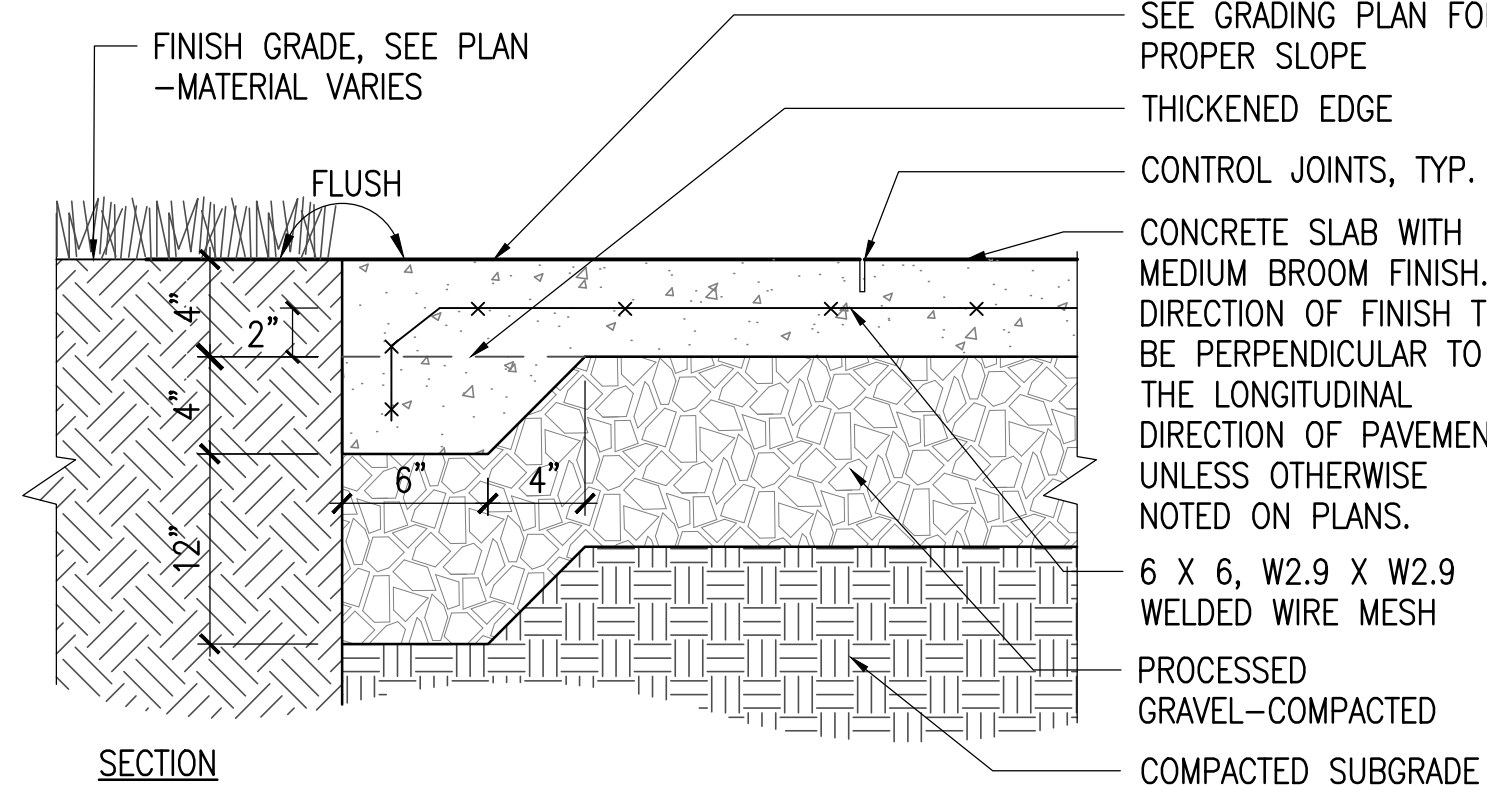
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4 GRANITE STEPS

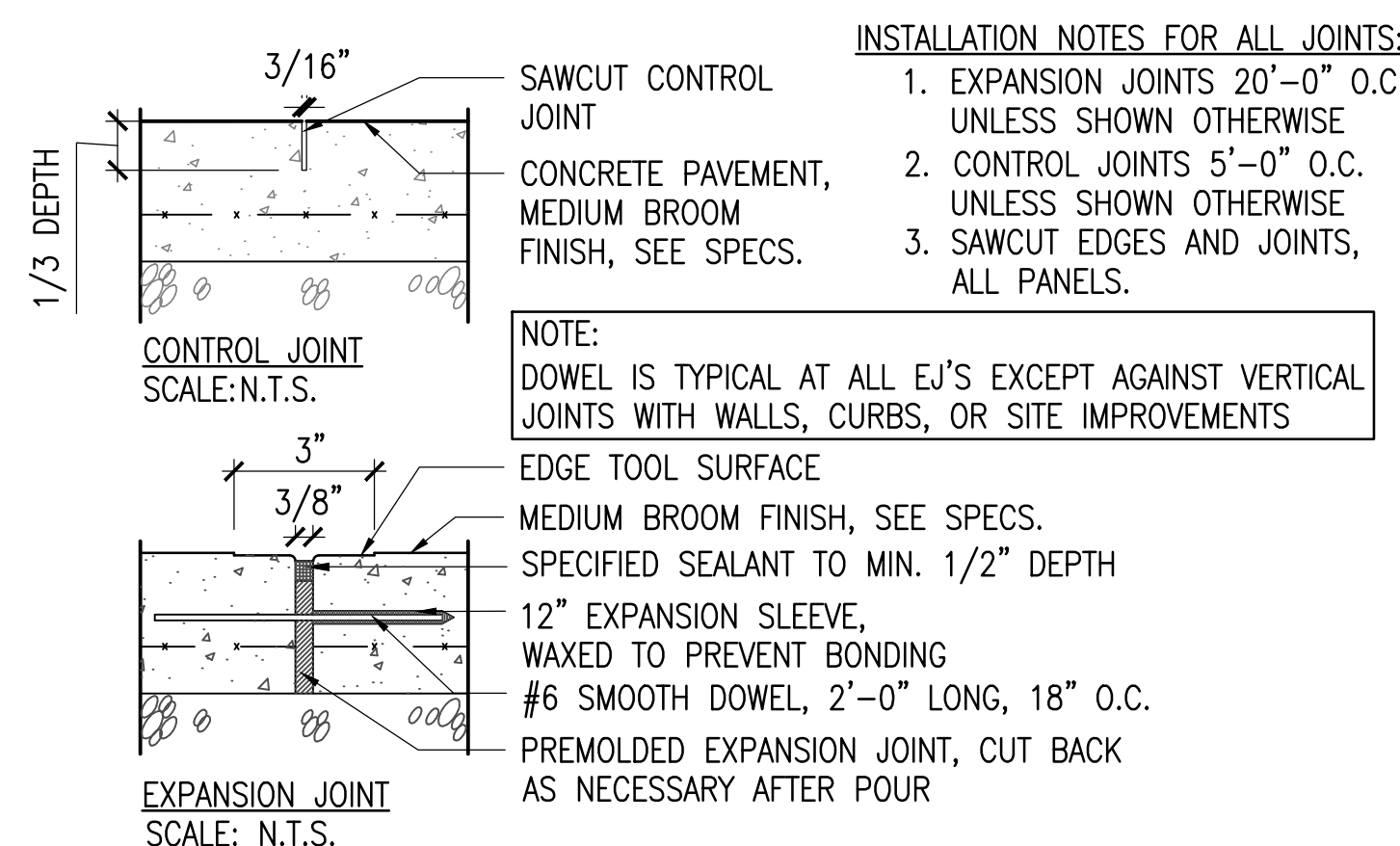
SCALE: 1-1/2"=1'-0"

NOTE:
1. FIT TREAD DEPTH & RISER HEIGHT TO ACCOMMODATE CHANGE OF GRADE AT LOCATION; LAYOUT IN FIELD; SUBJECT TO APPROVAL BY ENGINEER

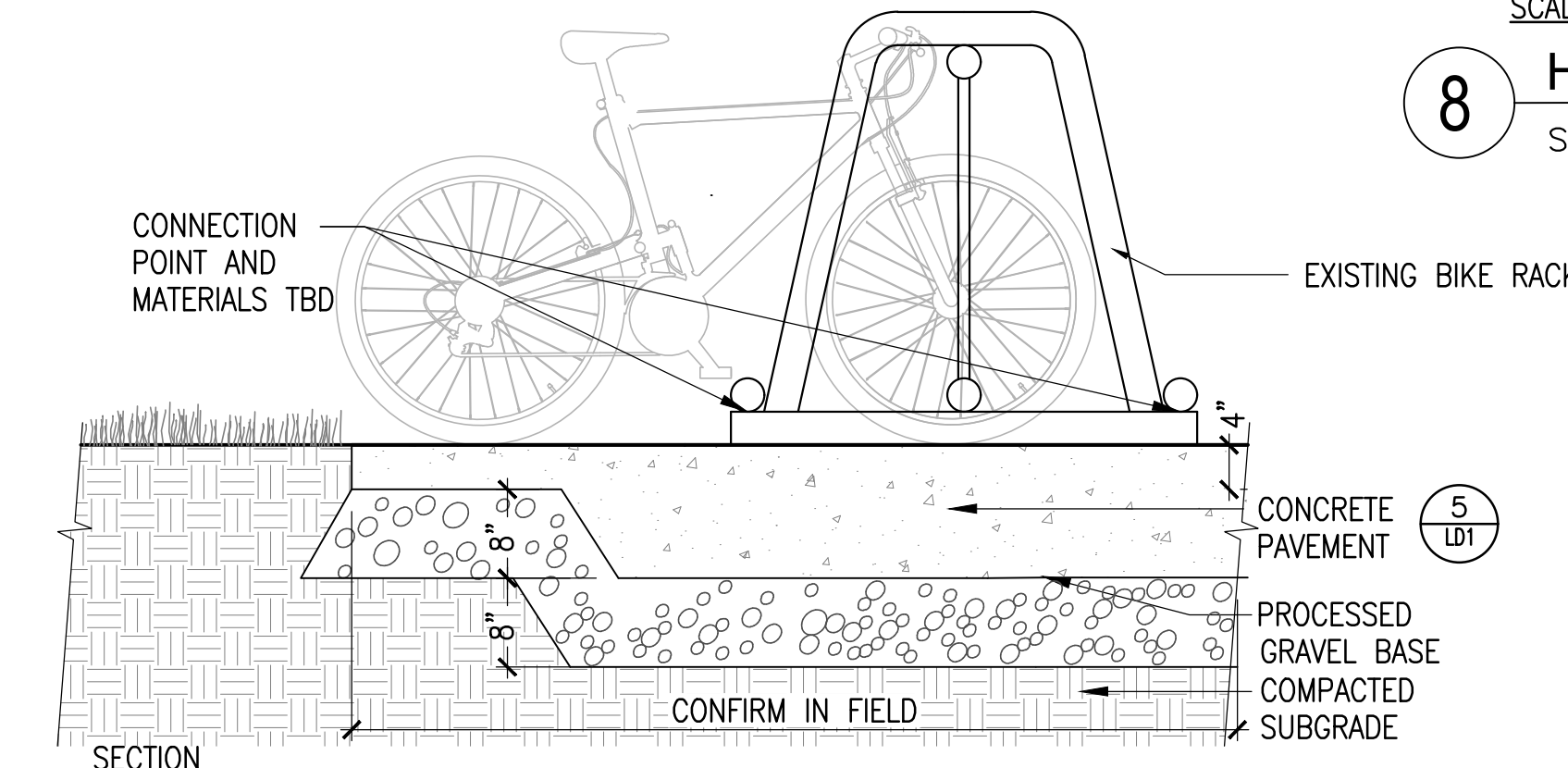


5 CONCRETE PAD

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

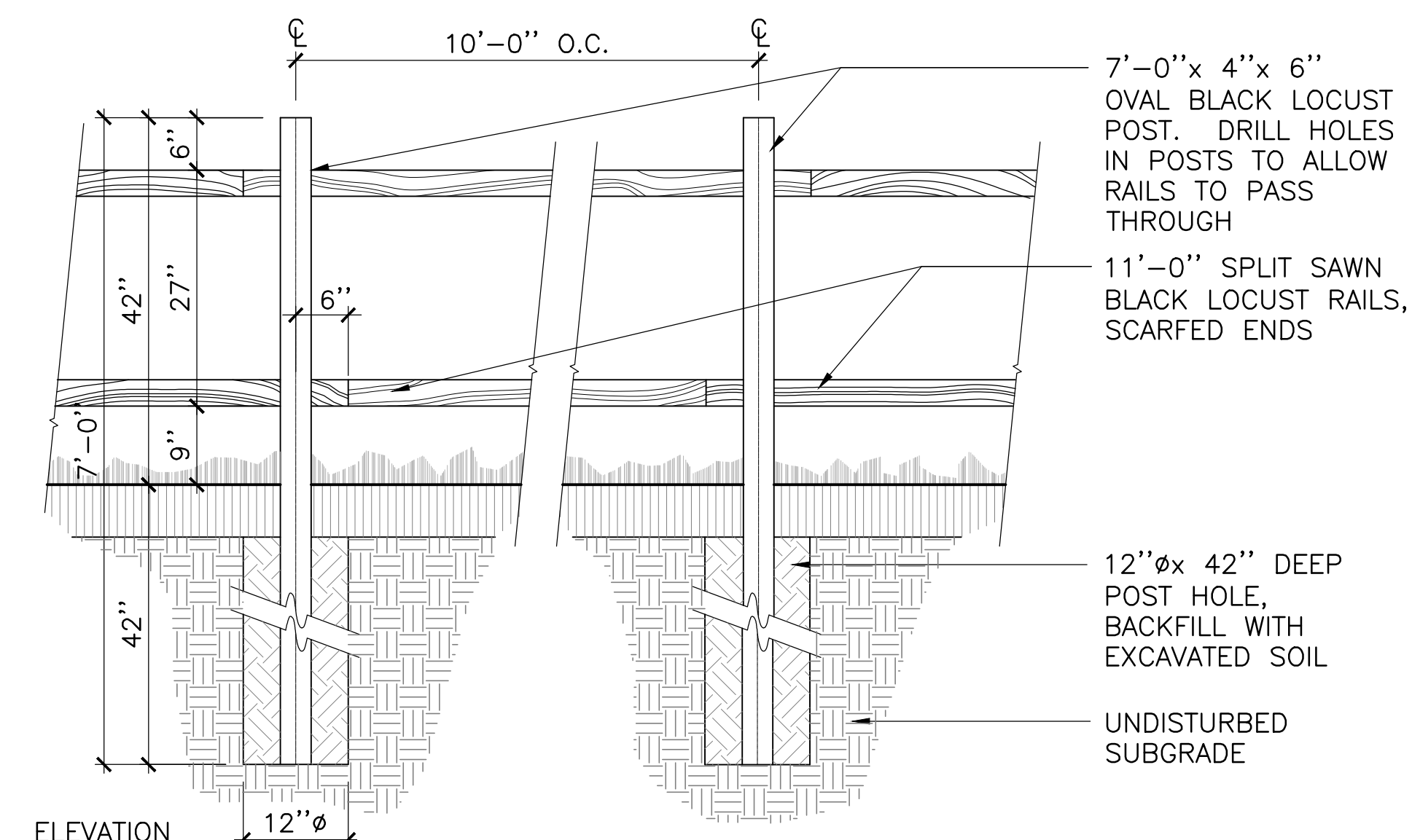


INSTALLATION NOTES FOR ALL JOINTS:
1. EXPANSION JOINTS 20'-0" O.C. UNLESS SHOWN OTHERWISE
2. CONTROL JOINTS 5'-0" O.C. UNLESS SHOWN OTHERWISE
3. SAWCUT EDGES AND JOINTS, ALL PANELS.
NOTE:
DOWEL IS TYPICAL AT ALL EJ'S EXCEPT AGAINST VERTICAL JOINTS WITH WALLS, CURBS, OR SITE IMPROVEMENTS



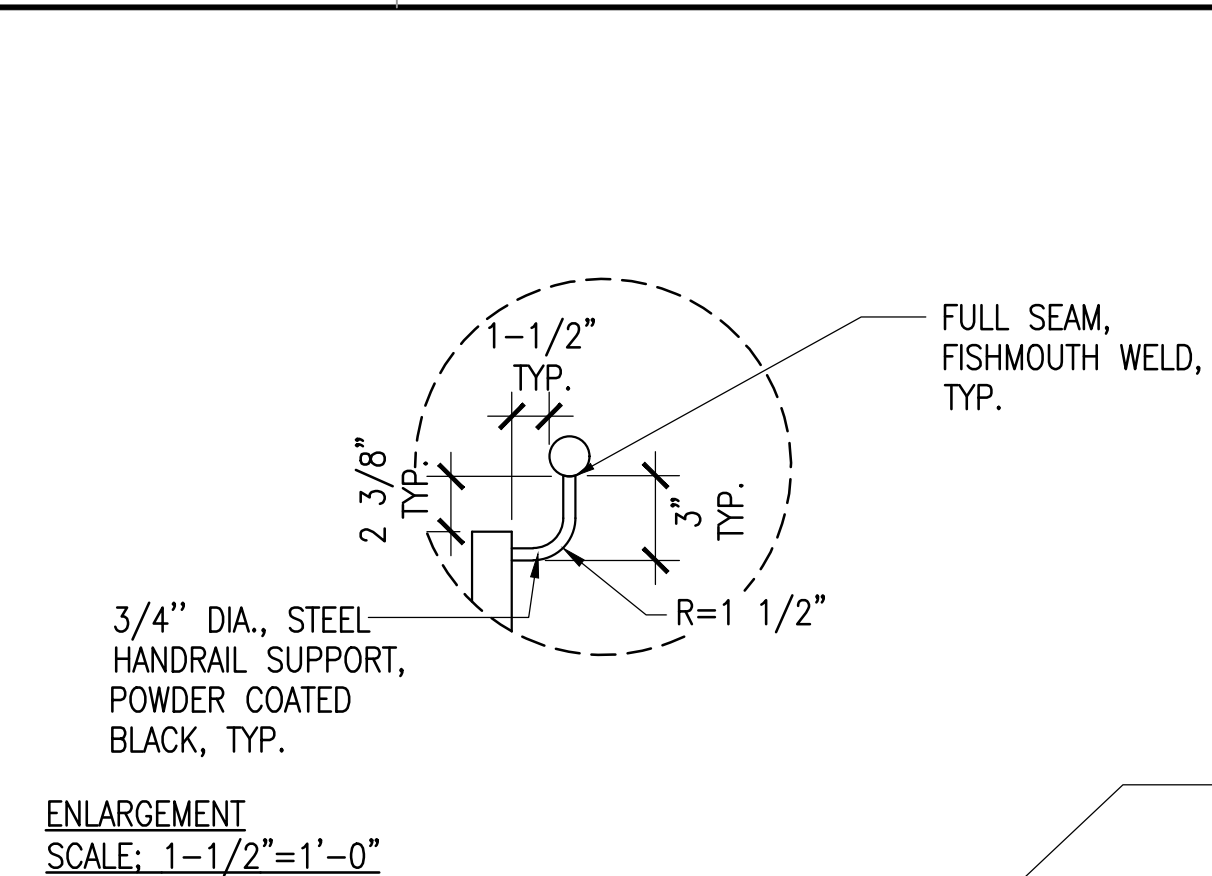
6 RESET BIKE RACK ON CONCRETE PAD

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



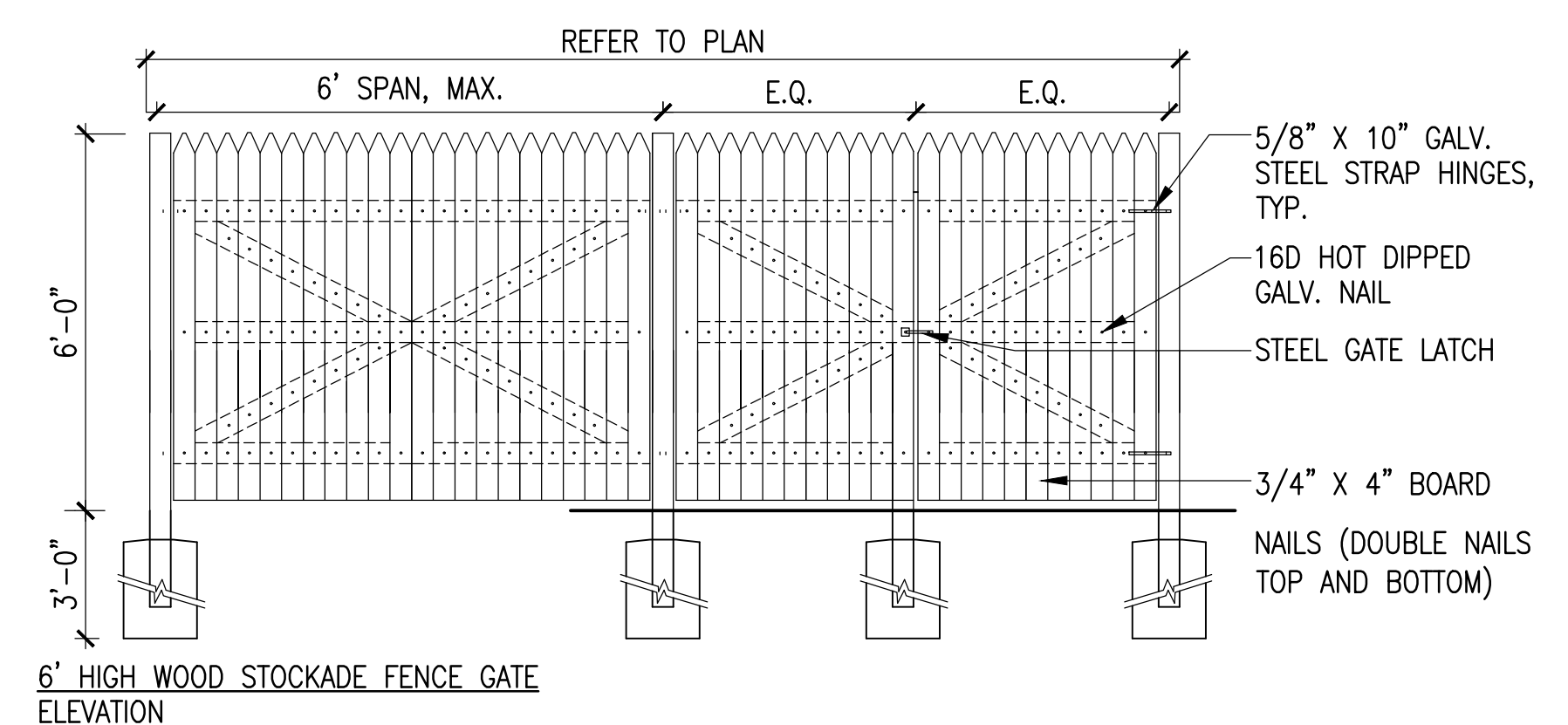
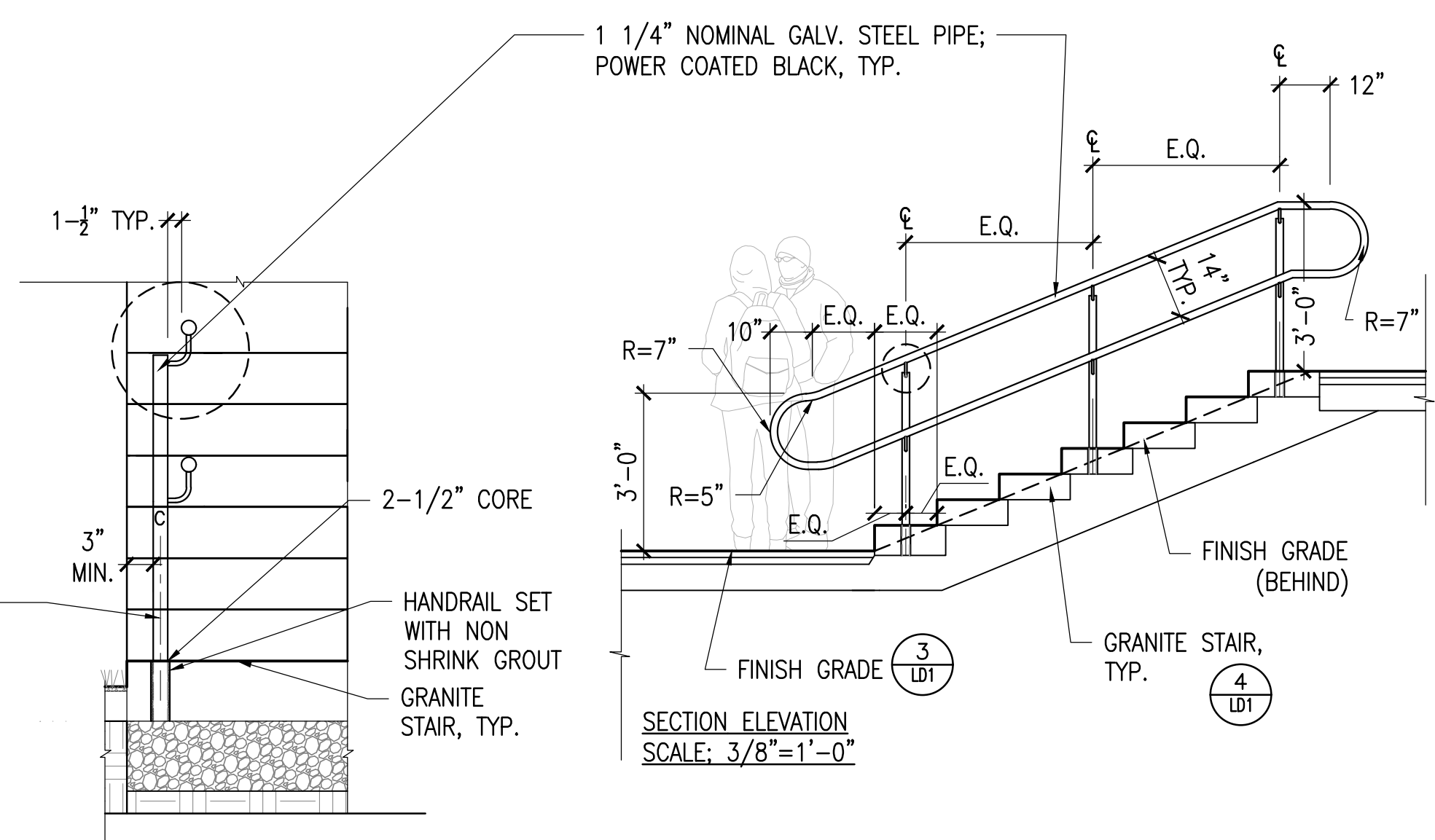
7 SPLIT RAIL FENCE

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



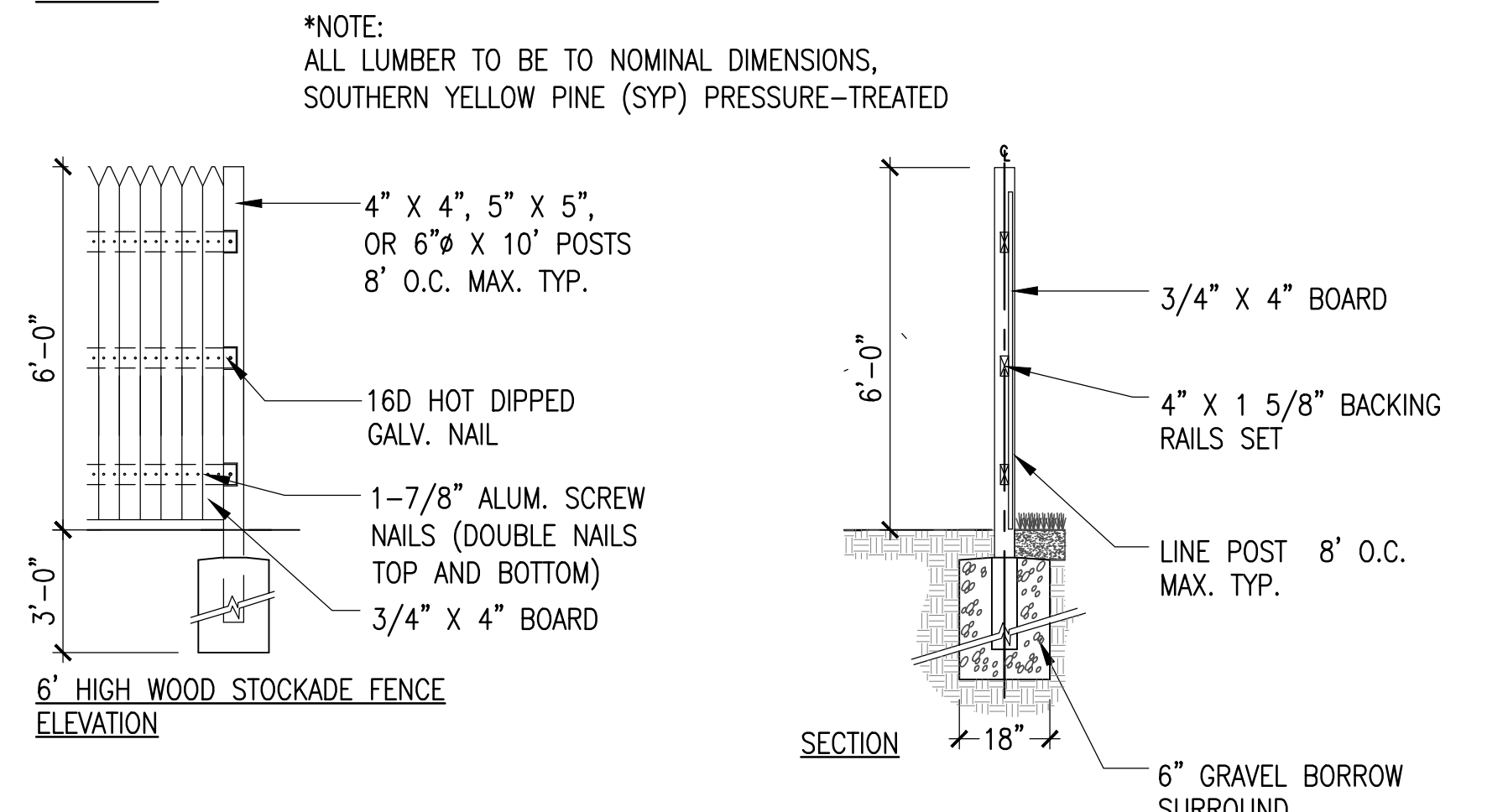
8 HANDRAIL

SCALE: AS SHOWN



9 STOCKADE FENCE

SCALE: NTS



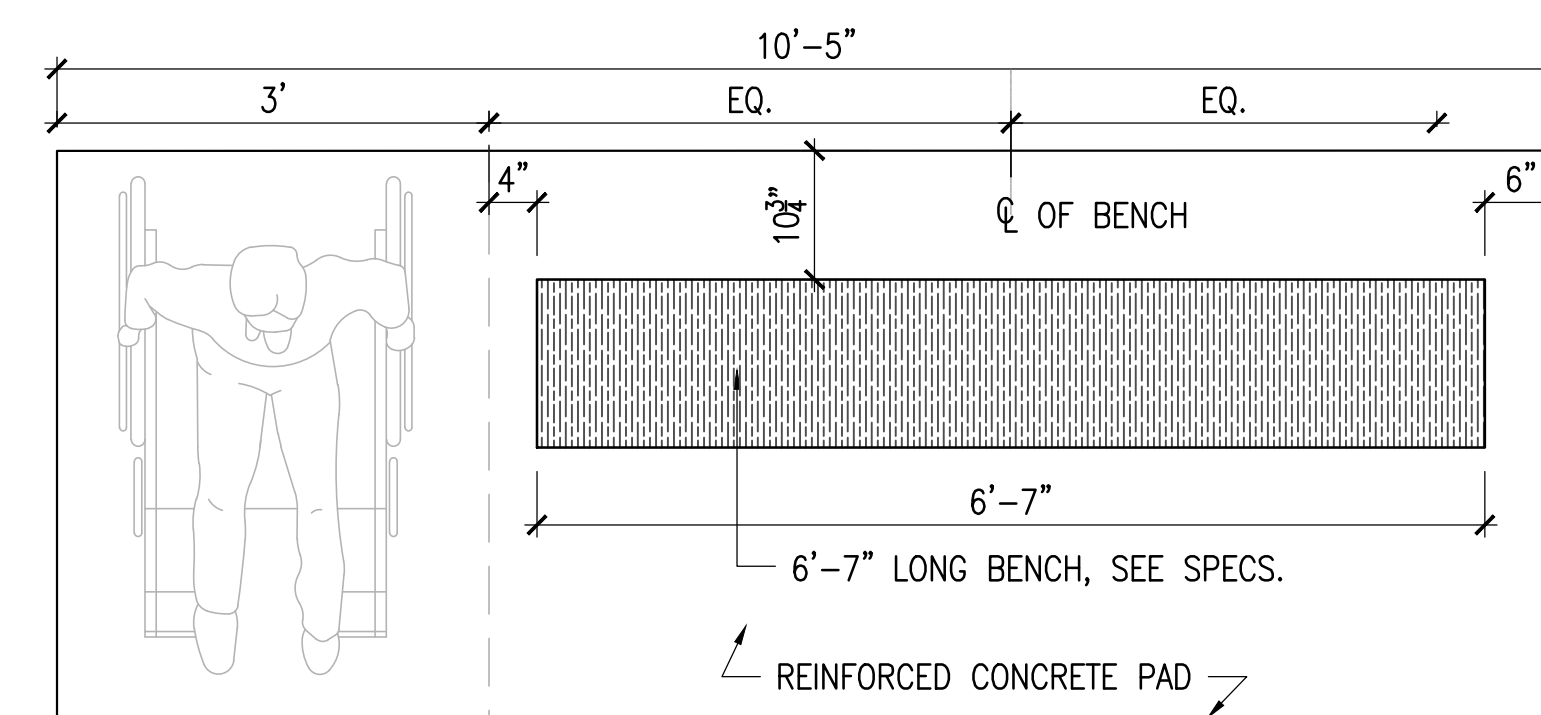
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LANDSCAPE DETAILS
BEACH AND PLAYGROUND

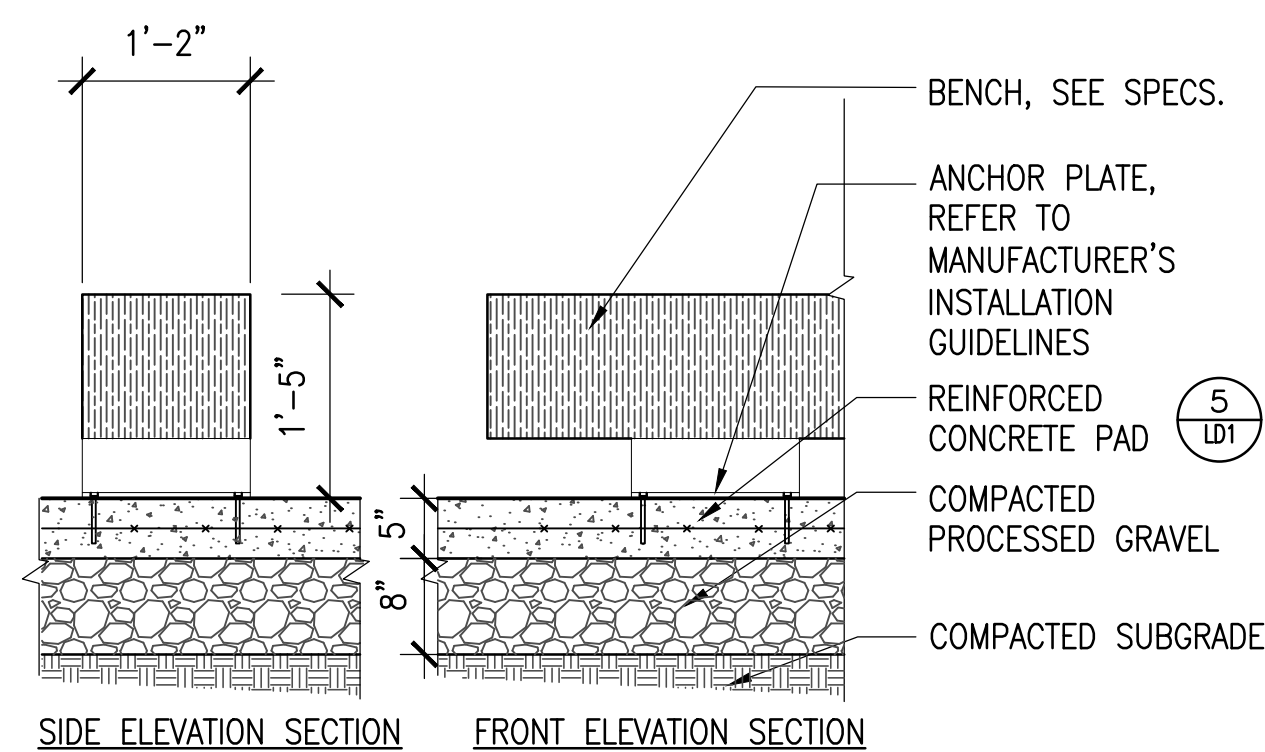
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JOB NO.:
DATE: FEBRUARY 3, 2023
SCALE: AS SHOWN
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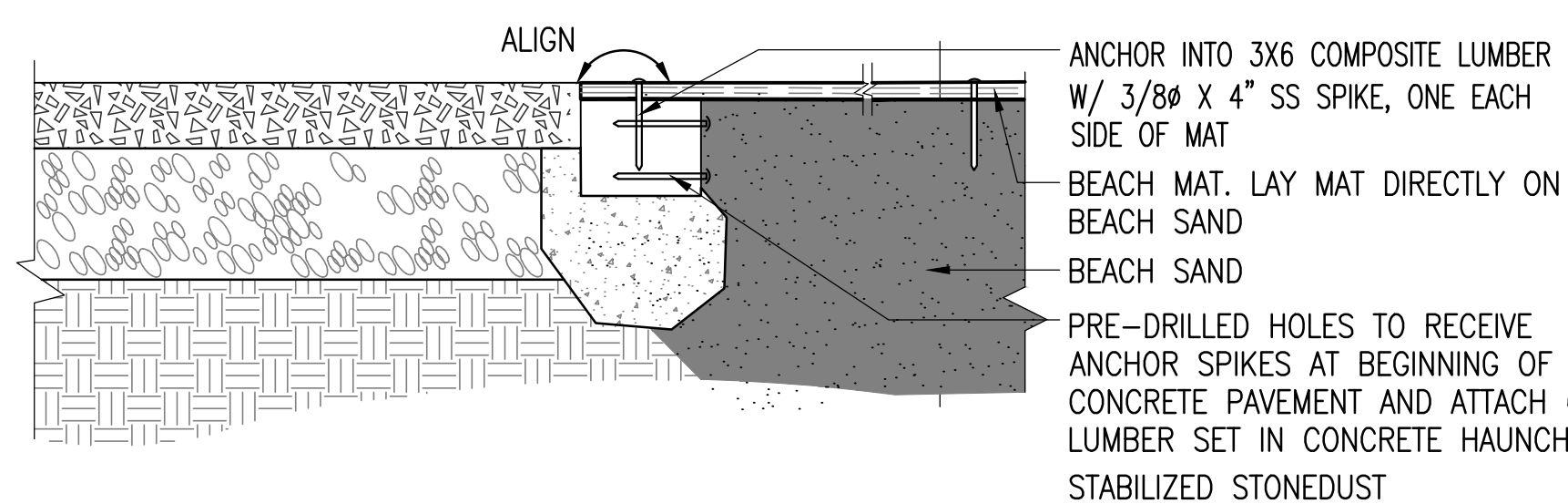
LAKE MANSFIELD
AREA IMPROVEMENTS
LD1



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

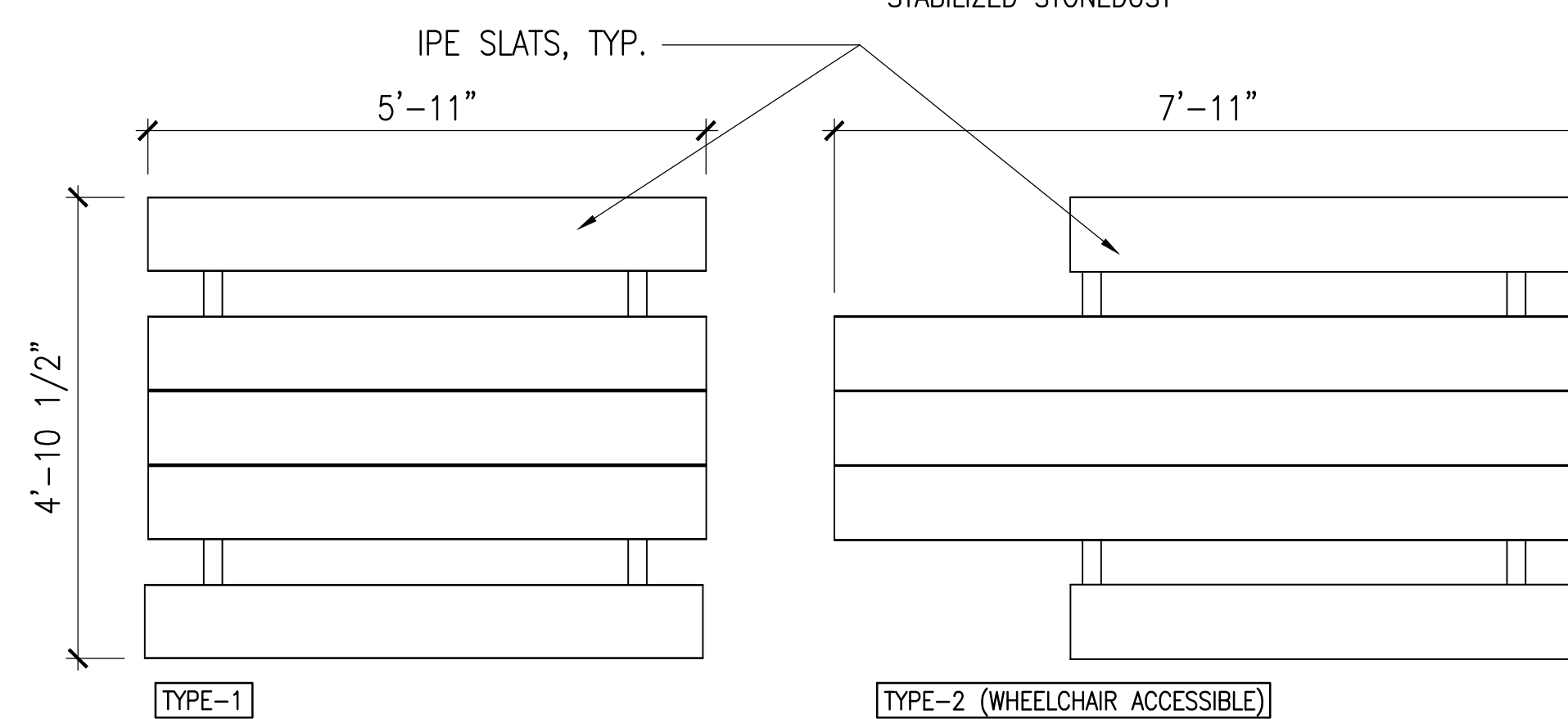


SIDE ELEVATION SECTION FRONT ELEVATION SECTION



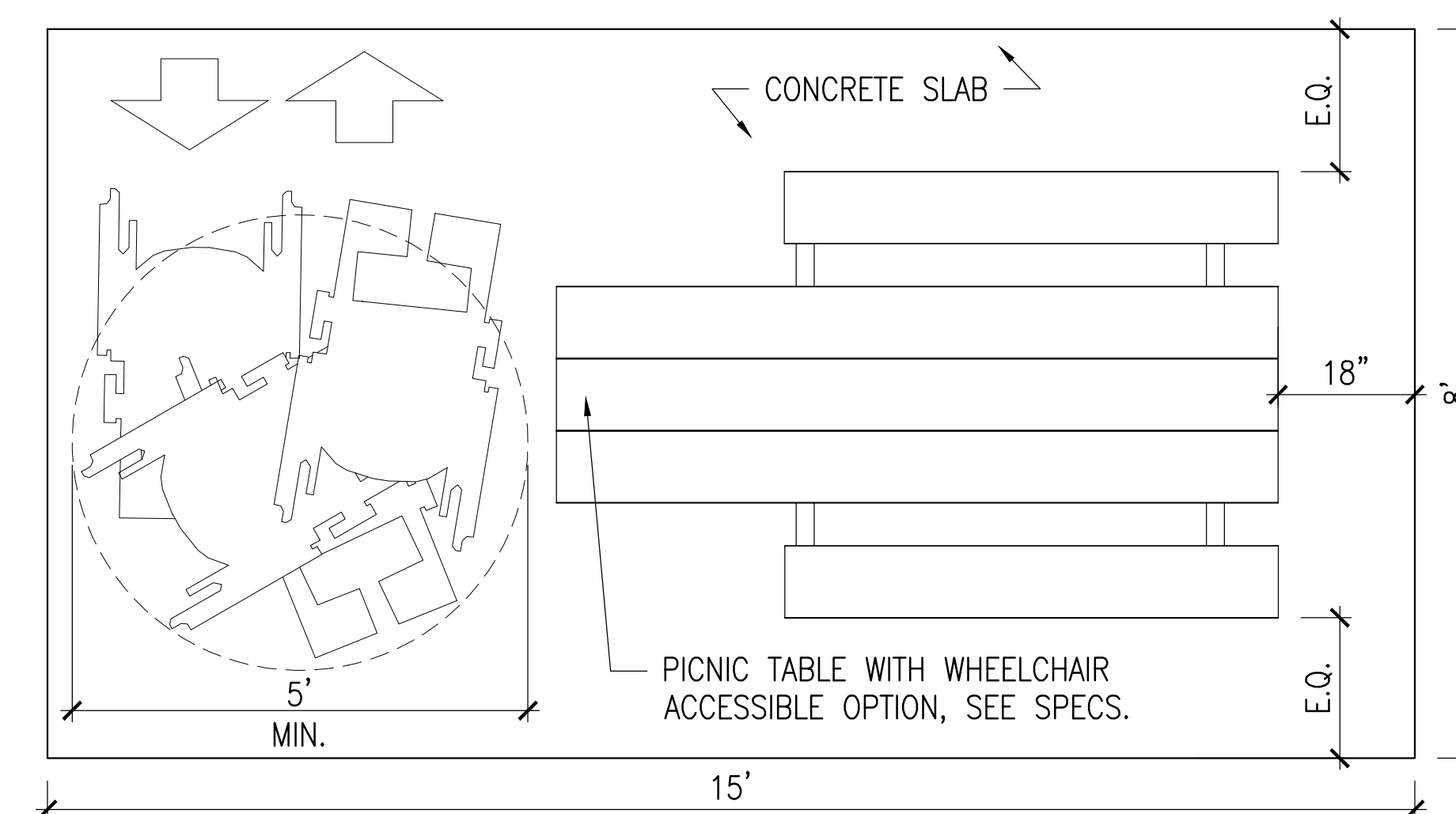
2 BACKLESS BENCH ON CONCRETE PAD

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



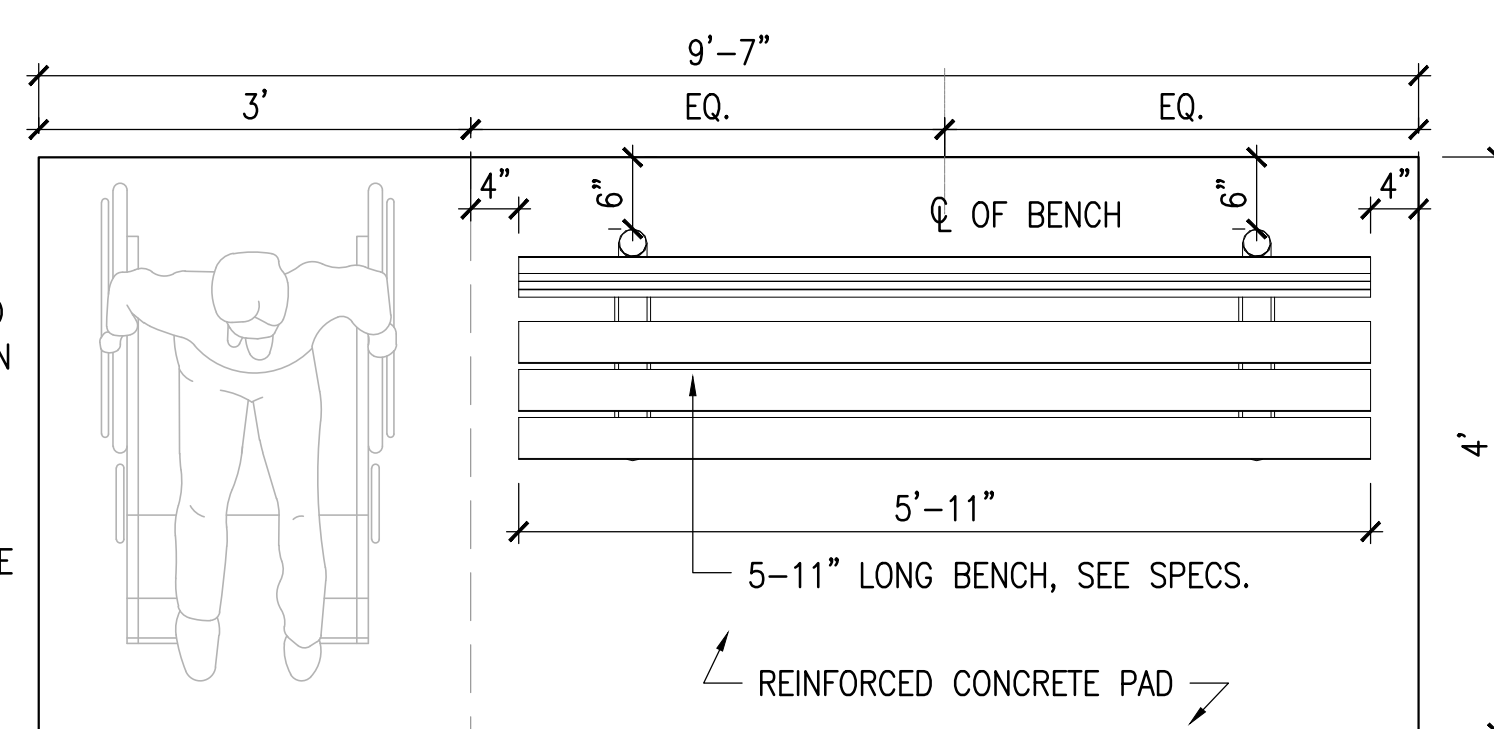
NOTE: TABLE TYPE VARIES, SEE PLAN/SEE SPECS.

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

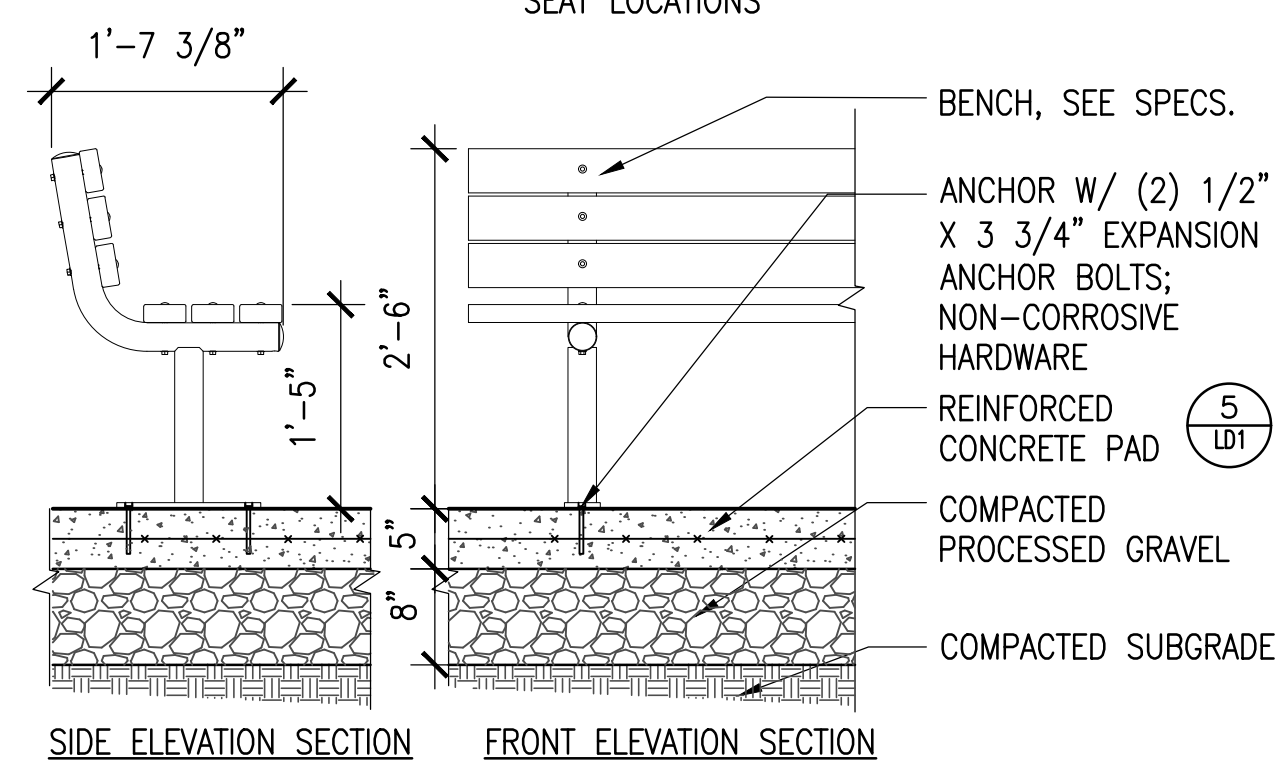


LAYOUT PLAN
SCALE: 1/2"=1'-0"

- NOTE:
1. ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
 2. SEE SPECS. FOR COLOR INFO.
 3. CONCRETE PAD SHALL HAVE 2% MAX SLOPE IN ALL DIRECTIONS.



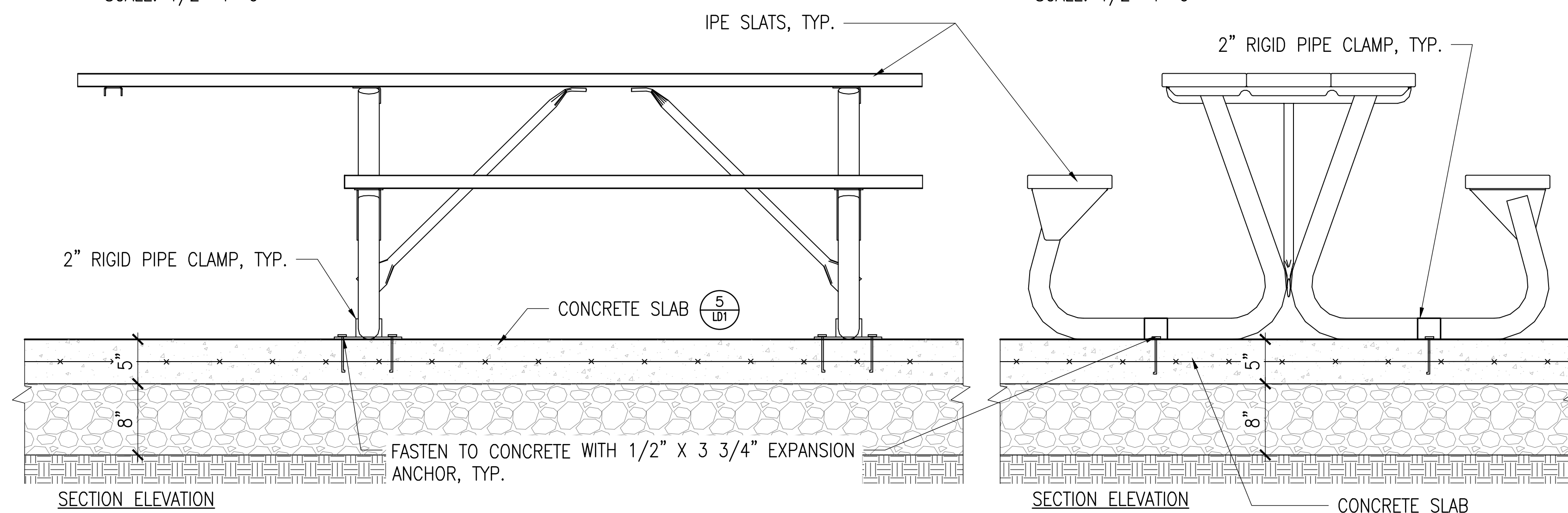
PLAN - 5'-11" LONG BENCH WITH COMPANION SPACE. SEE PLAN FOR COMPANION SEAT LOCATIONS



SIDE ELEVATION SECTION FRONT ELEVATION SECTION

2 BACKED BENCH ON CONCRETE PAD

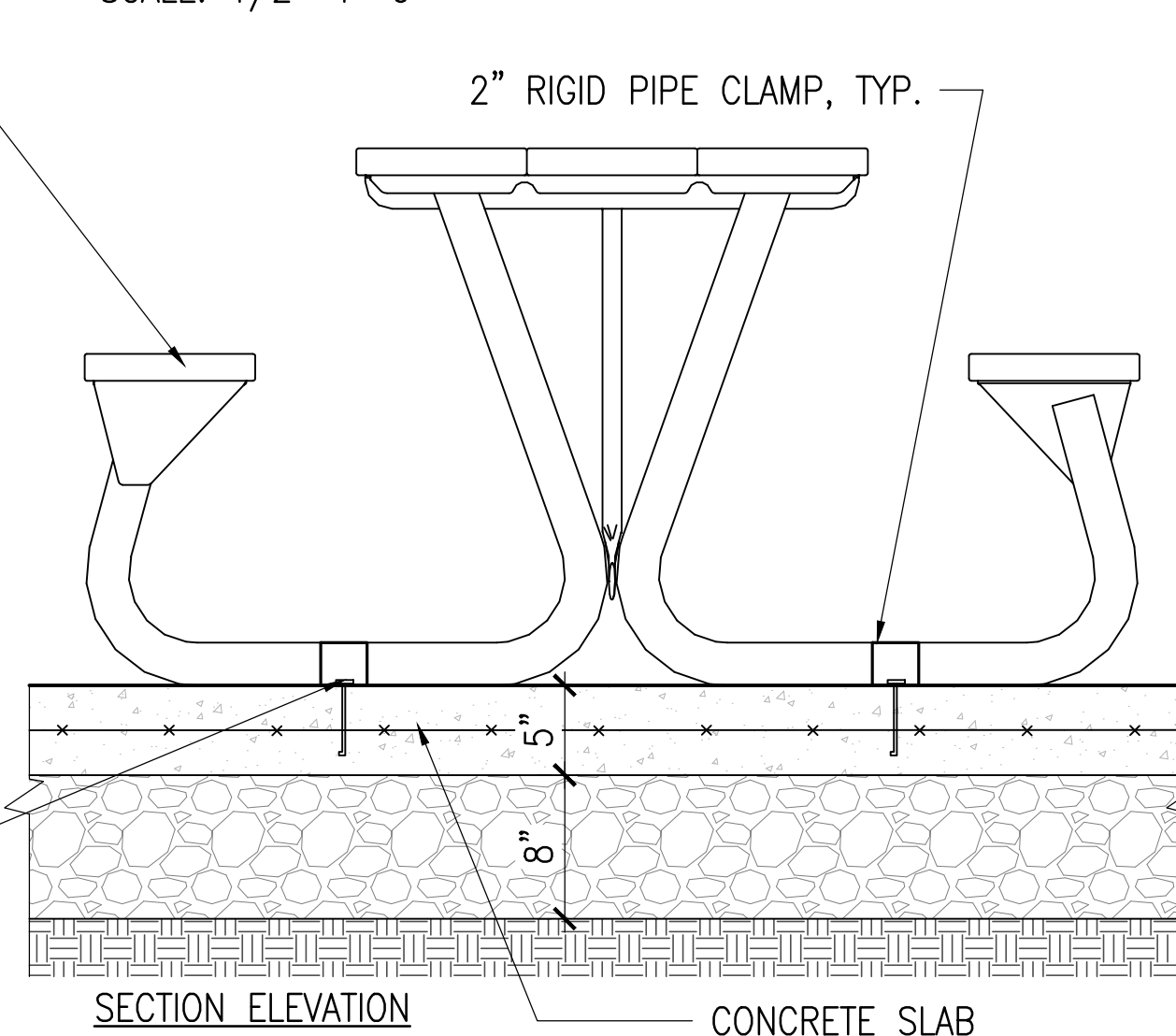
SCALE: 3/4"=1'-0"



SECTION ELEVATION

1 PICNIC TABLE ON CONCRETE PAD

SCALE: NTS



SECTION ELEVATION

— CONCRETE SLAB



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[illegible]

LANDSCAPE DETAILS BEACH AND PLAYGROUND

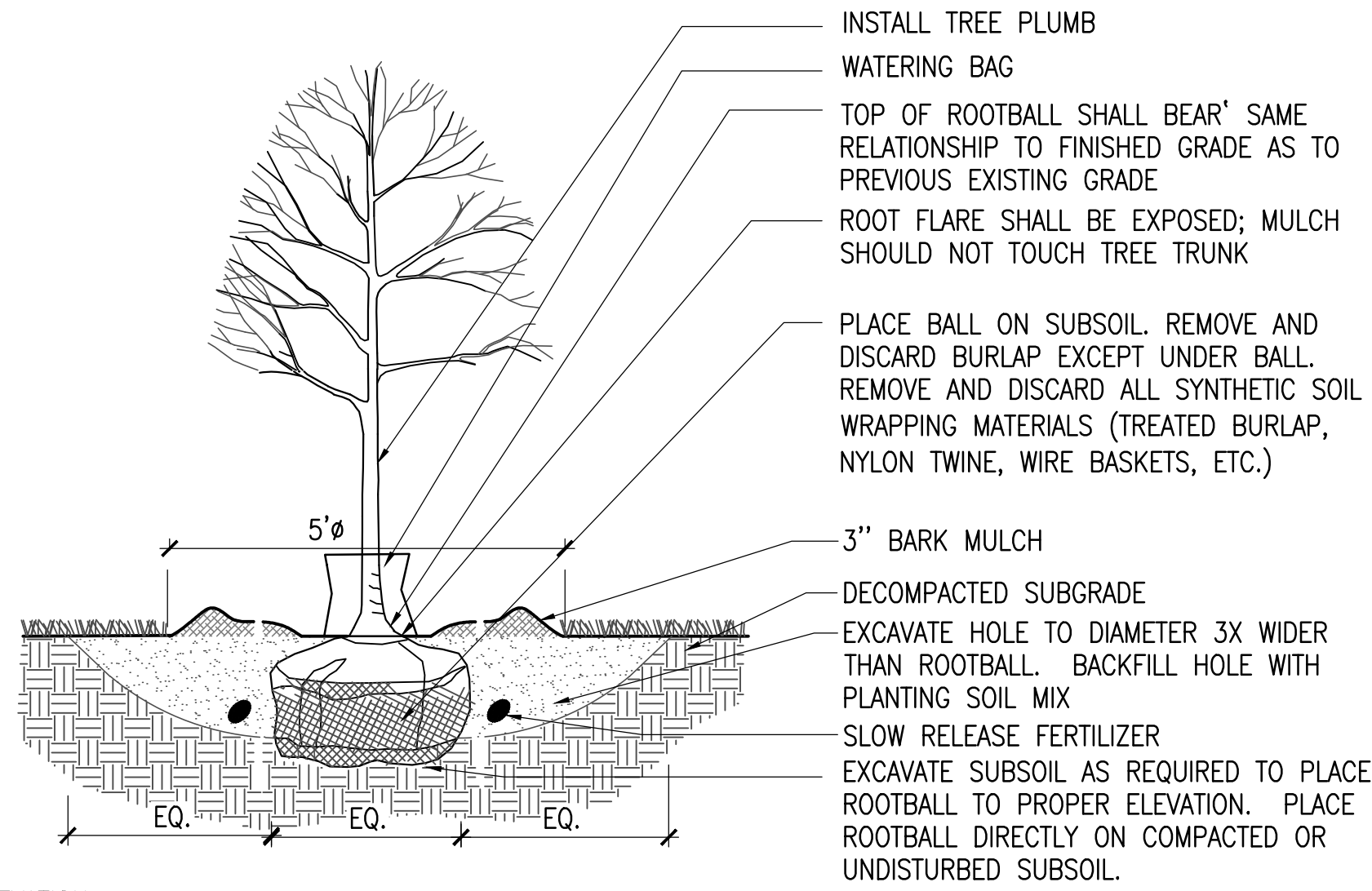
TOWN OF GREAT BARRINGTON, MA
334 MAIN ST.
GREAT BARRINGTON, MA 01230

LAKE MANSFIELD
AREA IMPROVEMENTS

JOB NO.:
DATE: FEBRUARY 3, 2022
SCALE: AS SHOWN
SHEET: 7 OF 8

LD2

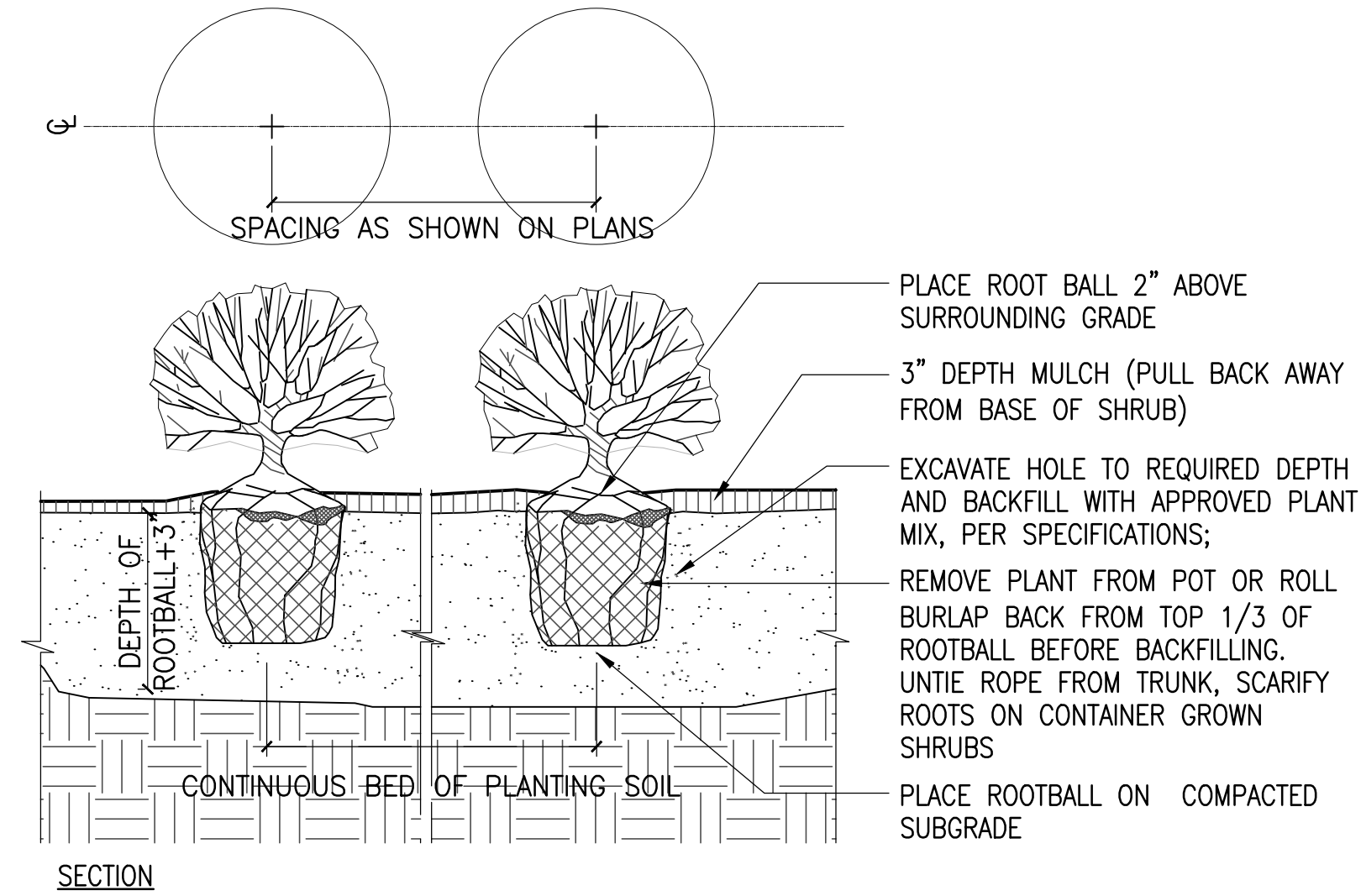
NOTES
1. IF CONTAINER GROWN, SCARIFY SOIL AND
ROOTS TO REMOVE CIRCLING ROOTS.



SECTION ELEVATION

1 DECIDUOUS TREE PLANTING

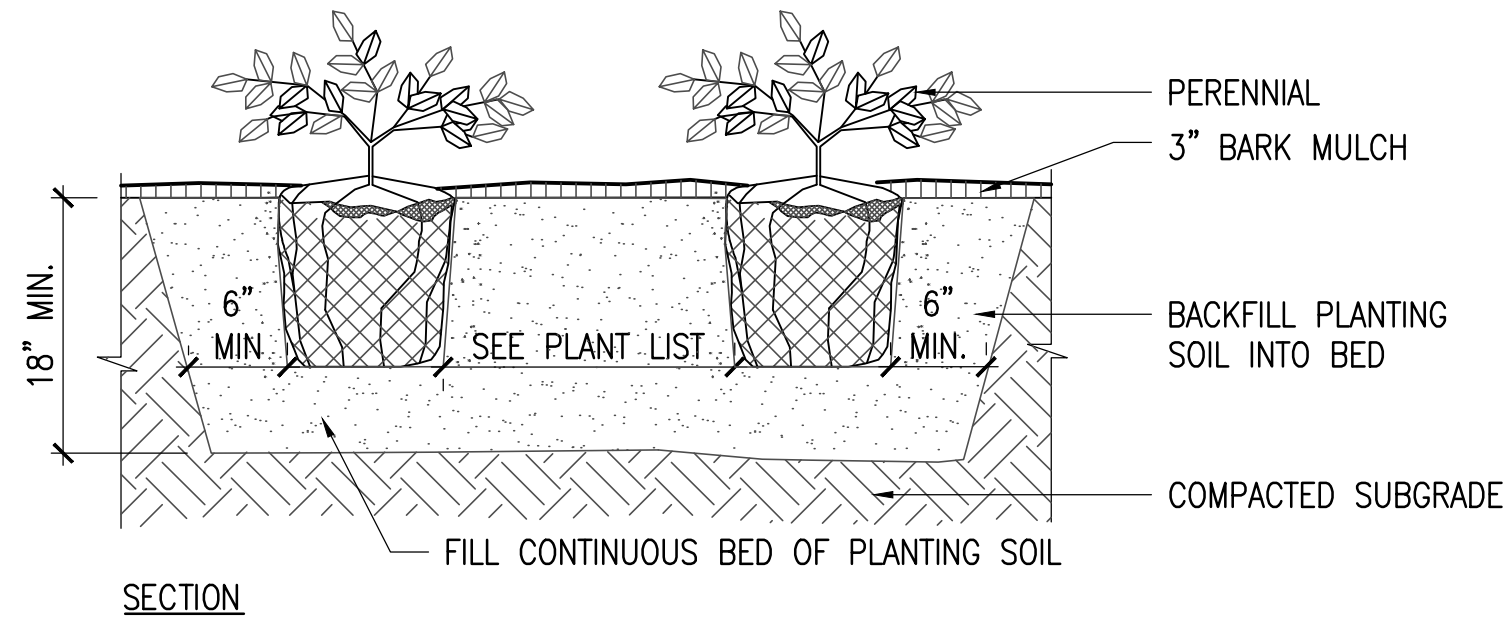
SCALE: NTS



SECTION

2 SHRUB PLANTING

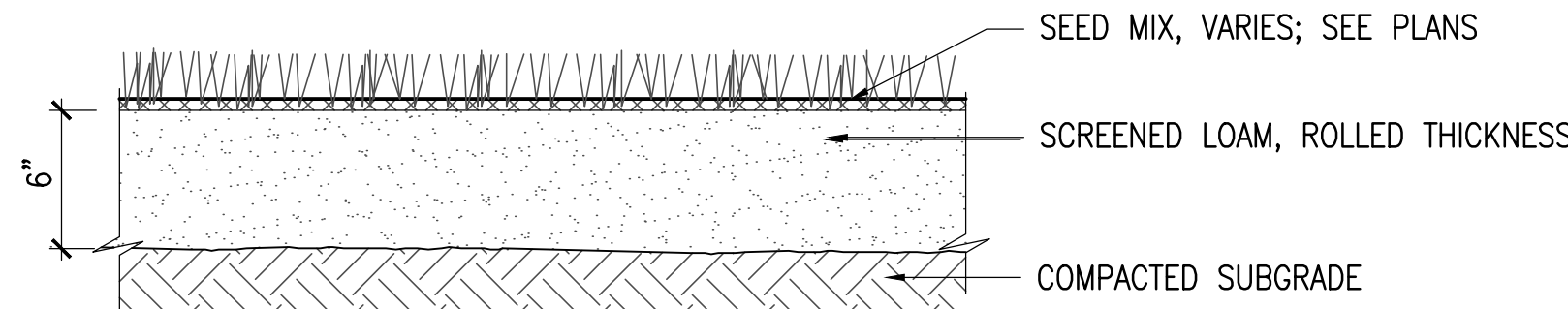
SCALE: 1-1/2"=1'-0"



SECTION

3 PERENNIAL PLANTING

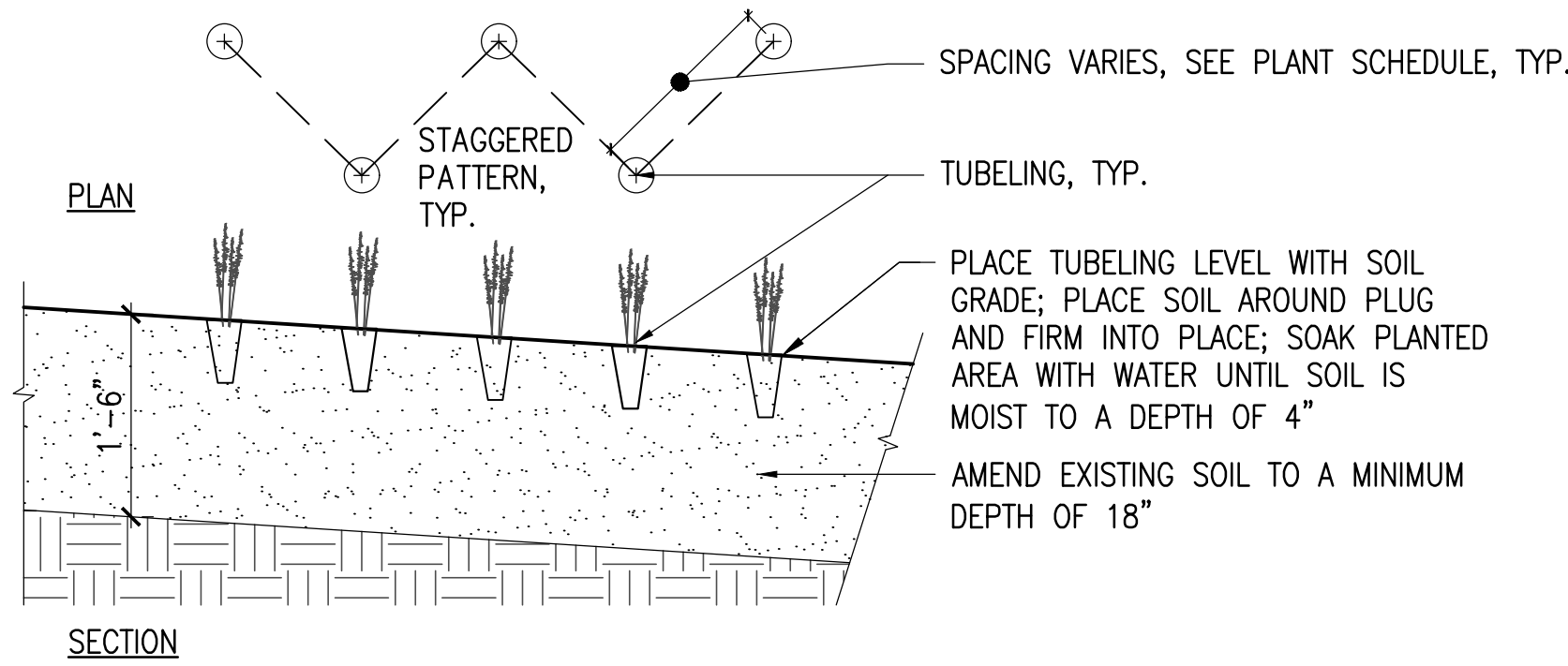
SCALE: 1-1/2"=1'-0"



SECTION

4 LOAM AND SEED

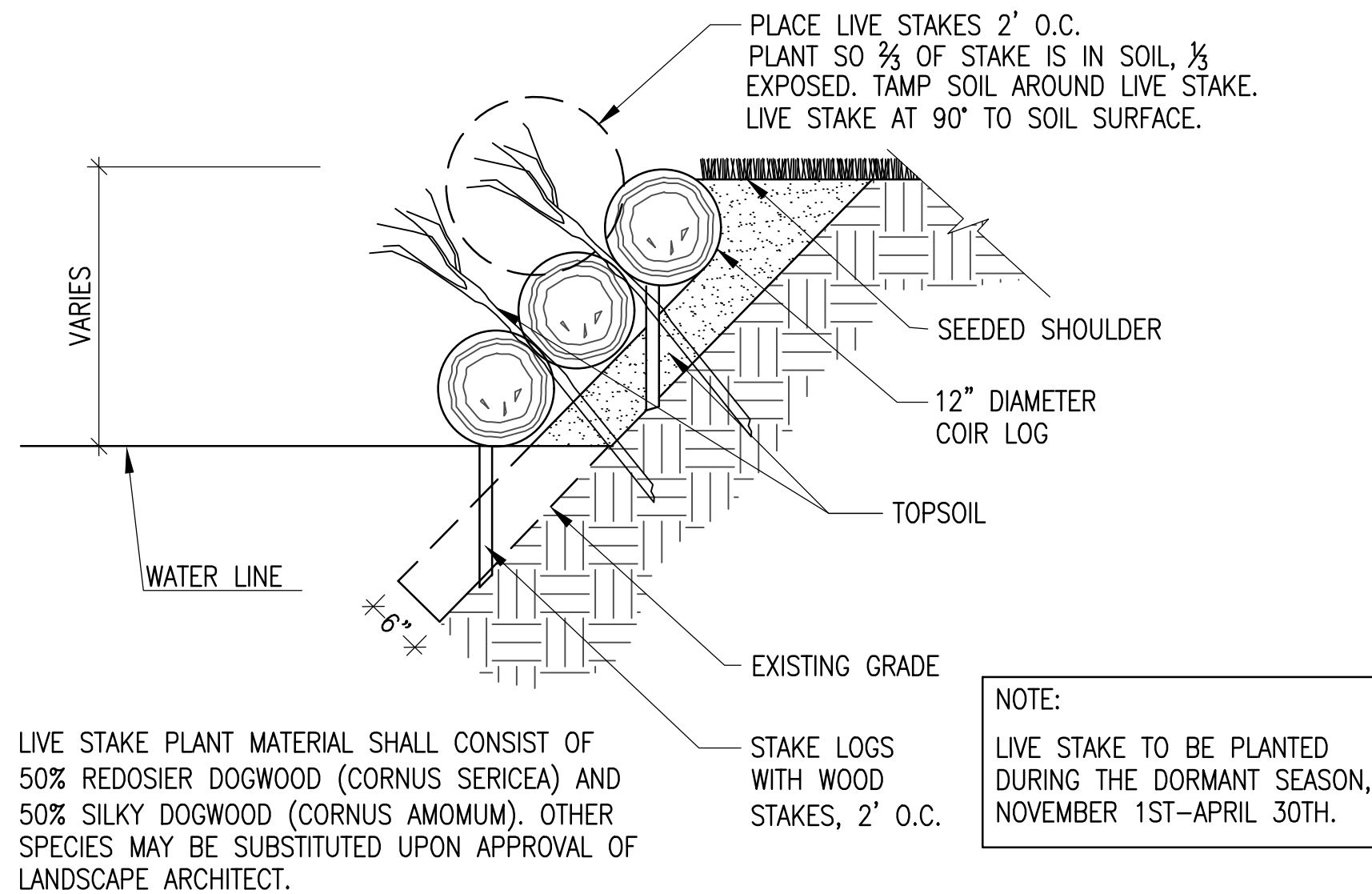
SCALE: 1-1/2" = 1'-0"



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"

kzla
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REV	DESCRIPTION	DATE
1	30% CD SUBMISSION	10/15/21
2	30% CD SUBMISSION	10/15/21
DESIGNED BY:	MD	MD
CHECKED BY:	KZ	
DRAWN BY:	MD	

LANDSCAPE DETAILS MAIN PATHWAY

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

LAKE MANSFIELD AREA IMPROVEMENTS

JOB NO.:
DATE: FEBRUARY 3, 2022
SCALE: AS SHOWN
SHEET: 8 OF 8

LD3