

BUTTONWOOD COMMUNITY CENTER

CITY OF NEW BEDFORD

1 ONEIDA STREET

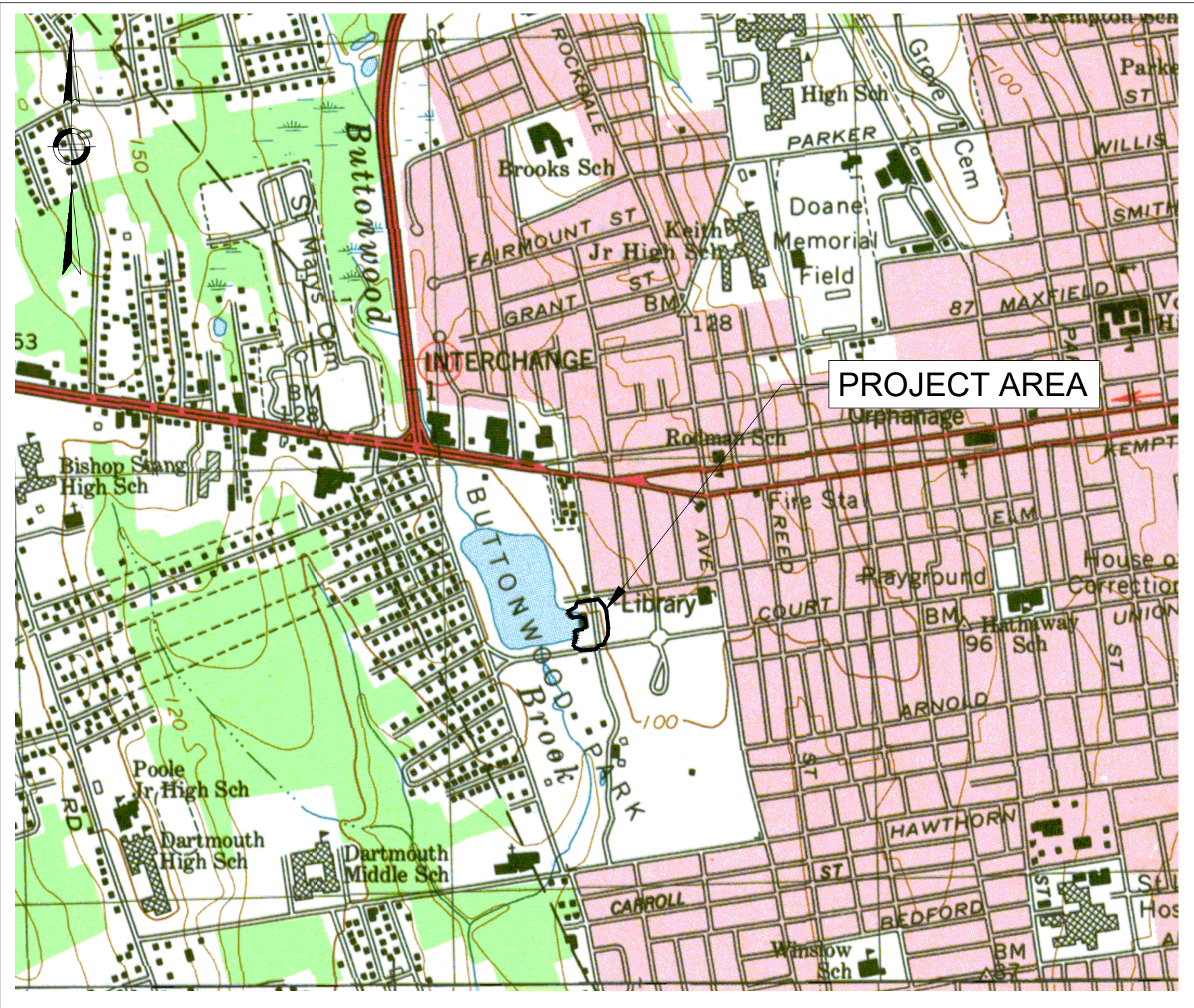
NEW BEDFORD, MA

NOI SUBMISSION

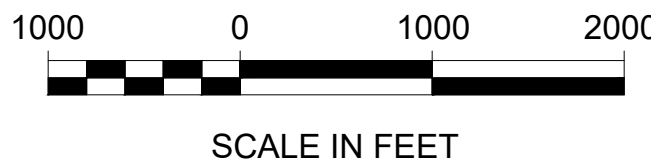
JUNE 24, 2021

INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
C-1	NOTES & LEGEND
C-2	EXISTING CONDITIONS
C-3	SITE PREPARATION & EROSION CONTROL PLAN
C-4	SITE LAYOUT PLAN
C-5	SITE GRADING AND UTILITY PLAN
C-6	LANDSCAPE PLAN
C-7-C9	SITE DETAILS



LOCATION PLAN



CLIENT:



CITY OF NEW BEDFORD
133 WILLIAM STREET
NEW BEDFORD, MA

CIVIL ENGINEER:



GREEN INTERNATIONAL AFFILIATES, INC.
CIVIL AND STRUCTURAL ENGINEERS
239 LITTLETON RD, WESTFORD, MA
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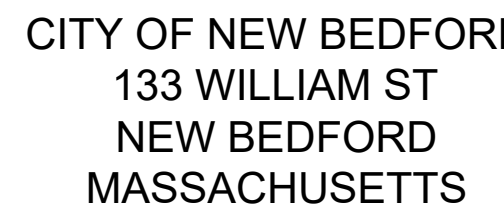


GEI CONSULTANTS
400 UNICORN PARK DR., WOBURN, MA
(781) 721-4000





Client:



Project Title:
BUTTONWOOD PARK
COMMUNITY CENTER
SITE IMPROVEMENTS

NOI SUBMISSION

Project Location:

1 ONEIDA ST.
NEW BEDFORD, MA

Stamp:

[illegible]

Project No.: 21002

Drawn By: MW/SB
Designed By: MW/SB
Checked By: DS/JR
Date: 6/24/2021
Scale: 1"=20'

Drawing Title:
NOTES AND LEGEND

Sheet No.	Drawing No.
1 of 12	C-1

GENERAL CONSTRUCTION REQUIREMENTS

1. ALL CONSTRUCTION DEBRIS SHALL BE DISPOSED OF OFF SITE.
2. CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL. DUST CONTROL SHALL INCLUDE THE WATERING OF UNPAVED ROAD SURFACES AND STREET SWEEPING OF PAVED SURFACES. STREET SWEEPING SHALL OCCUR ON THE PAVED SURFACES WITHIN THE SITE AND OFF THE SITE WHERE VEHICLE TRACKING OF SEDIMENTS HAS OCCURRED.
3. DURING CONSTRUCTION, TRENCHES ARE NOT TO BE LEFT IN A CONDITION THAT WOULD DIRECT RUNOFF AROUND TREATMENT AND DETENTION FACILITIES.
4. ALL SITE WORK SHOULD BE SECURED AT THE END OF THE WORK DAY TO REDUCE EROSION AND SEDIMENT PROBLEMS. THIS INCLUDES AS APPLICABLE, COVERING STOCKPILES OF SEDIMENT, INSTALLING TEMPORARY VEGETATION OR BY USING GEOTEXTILES TO COVER DISTURBED AREAS WITH STEEPER SLOPES.
5. DEWATERING OPERATION SHALL COMPLY WITH THE REQUIREMENTS OF THE U.S. EPA NPDES PHASE I CONSTRUCTION ACTIVITY GENERAL PERMIT FOR CONSTRUCTION SITES THAT ARE GREATER THAN 1 ACRE.
6. CONTRACTOR IS RESPONSIBLE FOR RESTORING SITE TO WORKING CONDITION UPON COMPLETION OF CONSTRUCTION.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY CONSTRUCTION PERMITS FOR THIS PROJECT.

PRE-CONSTRUCTION

1. PRIOR TO CONSTRUCTION, CONSTRUCTION FENCE OR OTHER SUITABLE FORM OF DEMARCATION SHALL BE INSTALLED AT THE LIMITS OF THE AREAS TO BE DISTURBED.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL DESIGNATE A STAGING AREA FOR STORAGE OF CONSTRUCTION EQUIPMENT AND MATERIALS.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DEVELOP A CONSTRUCTION MAINTENANCE PLAN AND THAT EROSION CONTROL MEASURES ARE INSTALLED AND MAINTAINED.

SITE PREPARATION

1. EXCESS MATERIAL SHALL BE STOCKPILED AT A PROPER UPLAND LOCATION. STOCKPILES ARE TO BE PROPERLY SECURED TO PREVENT EROSION AND SEDIMENT RUNOFF. THIS MAY INCLUDE COVERING THE STOCKPILE OR PROVIDING ADDITIONAL HAYBALE AND SILT FENCING AROUND THE STOCKPILE.
2. STOCKPILES ARE NOT BE SITED AT OR NEAR CRITICAL LOCATIONS SUCH AS DRAINAGE INLET STRUCTURES.
3. STOCKPILES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH GOOD ENGINEERING PRACTICE AND PERIODIC INSPECTIONS SHALL BE PERFORMED FOR SLOPE STABILITY.
4. THE CONTRACTOR SHOULD PHASE THE CONSTRUCTION TO MINIMIZE THE AMOUNT OF DISTURBED AREA EXPOSED.
5. A TEMPORARY BITUMINOUS CONCRETE BERM/LIP SHALL BE INSTALLED ALONG THE EDGE OF PAVEMENT AT THE TIME THE BINDER COURSE IS CONSTRUCTED TO COLLECT STORM WATER RUNOFF UNTIL THE CURBING IS INSTALLED.
6. EROSION CONTROL MEASURES ARE TO REMAIN IN PLACE UNTIL THE SITE HAS BEEN STABILIZED.
7. THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN SHALL BE CONSIDERED APPROXIMATE. THEREFORE, PRIOR TO THE START OF ANY WORK ON THE SITE, THE CONTRACTOR SHALL VERIFY THE ACTUAL LOCATION OF ALL UTILITIES, SHOWN OR NOT SHOWN ON THIS PLAN. CONTACT DIG-SAFE AT 1-888-344-7233 (1-888-DIG-SAFE) AT LEAST 72 HOURS PRIOR TO THE START OF EXCAVATION.
8. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES AND PROCEDURES; AND FOR THE SAFETY PRECAUTIONS AND PROGRAMS REQUIRED FOR THE WORK UNDER THIS CONTRACT. THE CONTRACT DOCUMENTS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY AND THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING ALL SAFETY BARRIERS, WARNING FLASHERS, AND THE LIKE AS REQUIRED FOR THE PROTECTION OF WORKERS AND THE PUBLIC. COMPLY WITH OSHA REQUIREMENTS.
9. REMNANTS OF PREVIOUS BUILDING FOUNDATION, UTILITY STRUCTURES AND UNDERGROUND UTILITIES MAY BE ENCOUNTERED DURING EXCAVATION AND SHALL BE REMOVED AND DISPOSED LEGALLY OFF SITE.
10. ALL TREES WITHIN THE LOW, UNLESS OTHERWISE NOTED, SHALL BE PROTECTED AND RETAINED.

EROSION AND SEDIMENT CONTROLS

1. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING EROSION AND SEDIMENT DURING THE CONSTRUCTION PROCESS. SITE SPECIFIC CONDITIONS MAY REQUIRE MODIFICATIONS IN THE FIELD, BUT THE CONTRACTOR MUST ENSURE THAT THE PROJECT SPECIFICATIONS THAT ARE DEVELOPED IN THE FIELD MEET THE MINIMUM REQUIREMENTS OF THE PLAN.
2. IN ORDER TO MINIMIZE EROSION AND SEDIMENT RUNOFF FROM THE SITE, THE CONTRACTOR SHALL MAINTAIN EXISTING VEGETATION WHERE POSSIBLE AND STABILIZE THE DISTURBED PORTIONS OF THE SITE AS QUICKLY AS POSSIBLE. THIS MAY INCLUDE PHASING THE PROJECT AS NEEDED TO MINIMIZE THE SIZE OF THE DISTURBED AREAS ON THE SITE.
3. THE CONTRACTOR MUST ALSO ANTICIPATE INCREASED RUNOFF FROM STEEPER SLOPES AND DURING HIGH GROUNDWATER CONDITIONS. THIS MAY OCCUR DURING THE WET SEASON (TYPICALLY MARCH THROUGH APRIL) OR AFTER SIGNIFICANT PRECIPITATION EVENTS.
4. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF SILT FENCES, DRAINAGE SWALES, EARTH DIKES, TEMPORARY SETTLING BASINS, CHECK DAMS AND TEMPORARY OR PERMANENT SEDIMENT BASINS. THESE PRACTICES DIVERT FLOWS FROM EXPOSED SOILS, LIMIT RUNOFF AND THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE TO THE DEGREE ATTAINABLE.
5. ALL DISTURBED SURFACES SHALL BE STABILIZED WITHIN 14 DAYS AFTER CONSTRUCTION IN ANY PORTION OF THE SITE THAT HAS BEEN COMPLETED OR WHERE CONSTRUCTION HAS TEMPORARILY CEASED.
6. THE CONTRACTOR SHALL, AT ALL TIMES, HAVE A STOCKPILE OF STRAW WATTLES, SILT FENCE AND CATCH BASIN FILTER BAGS ADEQUATE TO REINFORCE/REPLACE EROSION AND SEDIMENT CONTROLS AS NEEDED.
7. THE CONTRACTOR SHALL MAINTAIN EROSION CONTROL MEASURES AT ALL TIMES UNTIL ALL EARTHWORK OPERATIONS ARE COMPLETE AND ALL AREAS ARE STABILIZED TO PREVENT THE MOVEMENT OF SOIL, SILT, SEDIMENT, AND DEBRIS INTO THE DRAINAGE SYSTEM ON AND NEAR THE SITE. THE CONTRACTOR SHALL REMOVE ALL EROSION CONTROL DEVICES UPON COMPLETION AND ACCEPTANCE OF THE WORK.
8. ALL AREAS OF DISTURBANCE MUST HAVE TEMPORARY OR FINAL STABILIZATION WITHIN 14 DAYS OF THE INITIAL DISTURBANCE. AFTER THIS TIME, ANY DISTURBANCE IN THE AREA MUST BE STABILIZED AT THE END OF EACH WORK DAY. THE FOLLOWING EXCEPTIONS APPLY:

SITE LAYOUT NOTES

1. PLACE BINDER COURSE ON PARKING AREAS PRIOR TO ADJUSTING CATCH BASIN GRATES AND MANHOLE COVERS TO FINISHED GRADE.
2. ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS AND SITE CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE OWNER'S REPRESENTATIVE FOR CLARIFICATION AND RESOLUTION PRIOR TO BIDDING OR CONSTRUCTION.
3. ACCESS CURB RAMPS SHALL BE PER THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (MAAAD) AND THE AMERICAN WITH ABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES, WHICHEVER IS MORE STRINGENT.

SITE GRADING NOTES:

1. THE CONSTRUCTION MANAGER SHALL VERIFY ALL GRADES AND EXISTING CONDITIONS, AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE.
2. GRADE DISTURBED AREAS. PROPOSED GRADING SHALL MATCH EXISTING GRADES AT THE LIMIT OF WORK. WHERE PROPOSED GRADES MEET EXISTING GRADES, CONTRACTOR SHALL BLEND GRADES TO PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING AND NEW WORK. PONDING AT TRANSITION AREAS WILL NOT BE ALLOWED.
3. GRADE ALL AREAS TO PROVIDE POSITIVE DRAINAGE TO EXISTING CATCH BASINS.
4. PROPOSED WALKWAYS SHALL BE CONSTRUCTED WITH A CROSS SLOPE OF NO MORE THAN 1.5% AND A LONGITUDINAL SLOPE OF NO MORE THAN 4.5%.
5. LANDINGS AT BUILDING ENTRANCES AND AT ENDS OF RAMPS SHALL BE CONSTRUCTED WITH SLOPES NO MORE THAN 1.5% IN ANY DIRECTION.
6. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDING FOUNDATIONS AND STRUCTURES.
7. CONTRACTOR SHALL ADJUST UTILITY ELEMENTS MEANT TO BE FLUSH WITH GRADE (I.E. UTILITY MANHOLES, CATCH BASINS, ETC.) THAT ARE AFFECTED BY SITE WORK OR GRADE CHANGES, WHETHER SPECIFICALLY NOTED ON PLANS OR NOT.
8. FINE GRADE AND COMPACT EXISTING SUBBASE FOR AREAS OUTSIDE FULL DEPTH REPLACEMENT AND PROOF ROLL SUBBASE PRIOR TO BINDER PLACEMENT.
9. ANY STONES OVER 4-INCHES THAT ARE OBSERVED WITHIN THE EXISTING SUBBASE TO REMAIN WILL BE REMOVED AND REPLACED WITH GRAVEL SUBBASE.
10. ALL AREAS DISTURBED WITHIN THE LIMIT OF WORK WILL BE RESTORED TO EXISTING CONDITIONS OR BETTER.

UTILITY NOTES

1. UTILITY WORK WITHIN THE ZONE 10 FT OUTSIDE OF FOUNDATION WALL OF THE BUILDING SHALL CONFORM TO EFFECTIVE BUILDING CODE REQUIREMENTS, CITY OF NEW BEDFORD REQUIREMENTS AND THE MECHANICAL, ELECTRICAL AND PLUMBING SPECIFICATIONS.
2. ALL UNDERGROUND UTILITIES AS SHOWN WERE COMPILED USING FIELD SURVEY INFORMATION AND THE AVAILABLE RECORD PLANS PREPARED BY THE CITY OF NEW BEDFORD.
3. ALL UTILITY COMPANIES, PUBLIC AND PRIVATE MUST BE NOTIFIED, INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THIS PLAN, (SEE CHAPTER 370, ACTS OF 1963, MASSACHUSETTS) PRIOR TO DESIGNING, EXCAVATING, BLASTING, INSTALLING, BACKFILLING, GRADING, PAVEMENT RESTORING OR REPAVING.
4. THE LOCATION OF EXISTING PIPES OR OTHER UNDERGROUND STRUCTURES ARE NOT WARRANTED TO BE EXACT, NOR IS IT WARRANTED THAT ALL UNDERGROUND PIPES OR STRUCTURES ARE SHOWN. THE CONTRACTOR SHALL CALL "DIG SAFE" (1-888-344-7233) 72 HOURS (EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS) PRIOR TO ANY EXCAVATION TO OBTAIN ACCURATE UTILITY LOCATIONS.
5. SUBSURFACE UTILITY LOCATIONS HAVE BEEN PLOTTED TO MEET UTILITY QUALITY LEVEL "C" AS DESCRIBED IN ASCE STANDARD 38-02 AND SUMMARIZED BELOW. THE UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS BASED ON ABOVE-GROUND FIELD OBSERVATION AND EXISTING RECORD INFORMATION RECEIVED FROM UTILITY STAKE-HOLDERS.

UTILITY QUALITY LEVEL C:

INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

6. INVERTS SHOWN ON PLAN ARE NOT GUARANTEED TO BE ACCURATE. DUE TO THE LIMITATIONS OF FIELD OBSERVATION AND SURVEY TECHNIQUES, THE INVERTS ARE SHOWN AS APPROXIMATE ONLY AND SHALL NOT BE WARRANTED TO BE CORRECT. ADDITIONAL FIELD INVESTIGATION IS NECESSARY WHERE ACCURATE MEASUREMENTS ARE REQUIRED FOR DESIGN OF CRITICAL AREAS.
7. THE EXISTING SITE CONDITIONS PLAN IS TO BE USED FOR THE SPECIFIED PROJECT ONLY AND IS NOT WARRANTED TO BE COMPLETE FOR ANY OTHER FUTURE PROJECTS.
8. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE OWNER'S REPRESENTATIVE FOR RESOLUTION OF THE CONFLICT.
9. THE CONTRACTOR SHALL ALTER THE MASONRY OF THE TOP SECTION OF ALL EXISTING DRAINAGE STRUCTURES AS NECESSARY FOR CHANGES IN GRADE, AND RESET ALL WATER AND DRAINAGE FRAMES, GRATES, AND BOXES TO THE PROPOSED FINISH SURFACE GRADE.
10. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF ALL GAS, ELECTRIC, TELEPHONE, AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES.
11. AREA OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION, AT THE CONTRACTOR'S EXPENSE.



CITY OF NEW BEDFORD
133 WILLIAM ST
NEW BEDFORD
MASSACHUSETTS

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BUTTONWOOD PARK
COMMUNITY CENTER
SITE IMPROVEMENTS

NOI SUBMISSION

Project Location:

1 ONEIDA ST.
NEW BEDFORD, MA

stamp:

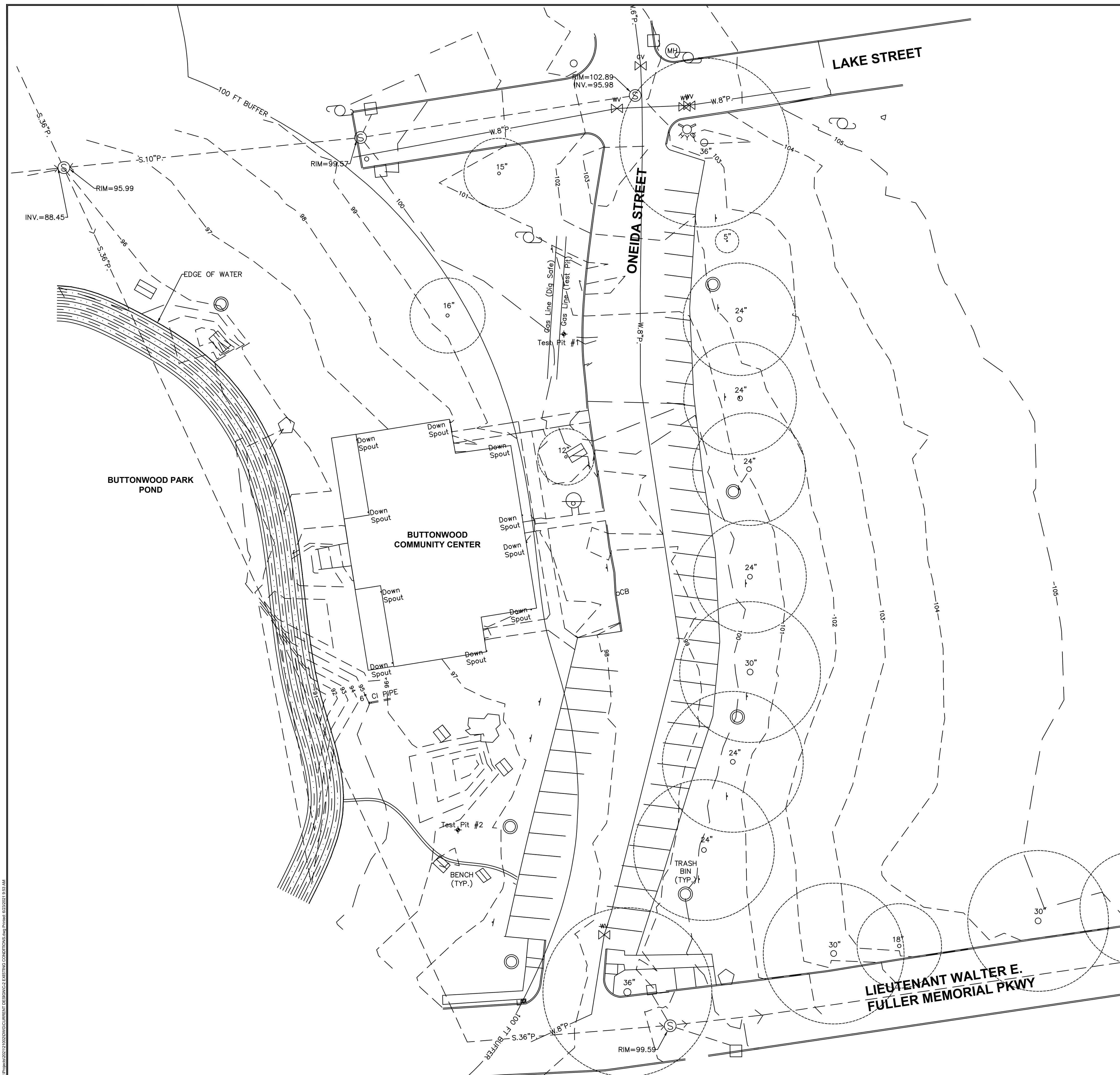
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Project No.: 21002

Drawn By: MW/SB
Designed By: MW/SB
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Date: 6/24/2021
Scale: 1"=20'


rawing Title:
XISTING CONDITIONS

Sheet No. 2 of 12	Drawing No.: C-2
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CITY OF NEW BEDFORD
133 WILLIAM ST
NEW BEDFORD
MASSACHUSETTS


Project Title:
BUTTONWOOD PARK
COMMUNITY CENTER
SITE IMPROVEMENTS

NOI SUBMISSION

Project Location:

1 ONEIDA ST.
NEW BEDFORD, MA

Stamp:



06/24/2021

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Project No.: 21002

Drawn By: MW/SB
Designed By: MW/SB
Checked By: DS/JR
Date: 6/24/2021
Scale: 1"=20'

Drawing Title:
SITE PREPARATION &
EROSION CONTROL PLAN

Sheet No. 3 of 12	Drawing No.: C-3
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Project Title:
BUTTONWOOD PARK
COMMUNITY CENTER
SITE IMPROVEMENTS

Project Location:
1 ONEIDA ST.
NEW BEDFORD, MA

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Designed By: MW/SB
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Date: 6/24/2021
Scale: 1"=20'

Sheet No. 4 of 12	Drawing No.: C-4
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Project Title:
BUTTONWOOD PARK
COMMUNITY CENTER
SITE IMPROVEMENTS

Project Location:

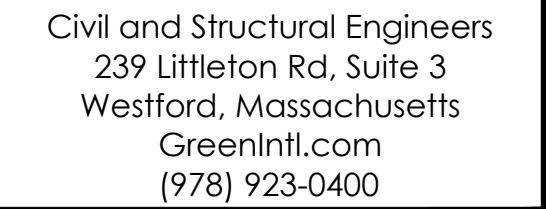
1 ONEIDA ST.
NEW BEDFORD, MA

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Drawn By: MW/SB
Designed By: MW/SB
Checked By: DS/JR
Date: 6/24/2021
Scale: 1"=20'

Sheet No. 5 of 12	Drawing No.: C-5
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Client:



CITY OF NEW BEDFORD
133 WILLIAM ST
NEW BEDFORD
MASSACHUSETTS

Project Title:
BUTTONWOOD PARK
COMMUNITY CENTER
SITE IMPROVEMENTS

NOI SUBMISSION

Project Location:
1 ONEIDA ST.
NEW BEDFORD, MA

Stamp:



DANIELLE H.
SPICER
CIVIL
No. 46067
REGISTERED
PROFESSIONAL ENGINEER
06/24/2021

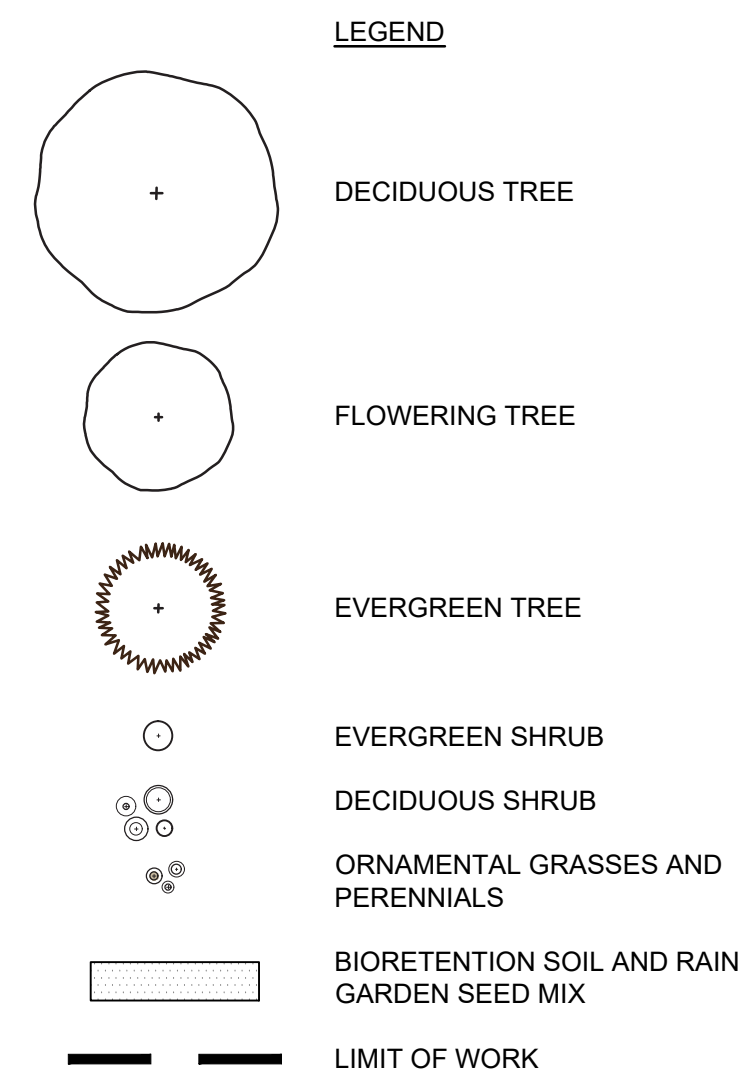
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Project No.: 21002

Drawn By: MW/SB
Designed By: MW/SB/JR
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Date: 6/24/2021
Scale: 1"=20'

Drawing Title:
LANDSCAPE PLAN

Sheet No. 6 of 12	Drawing No.: C-6
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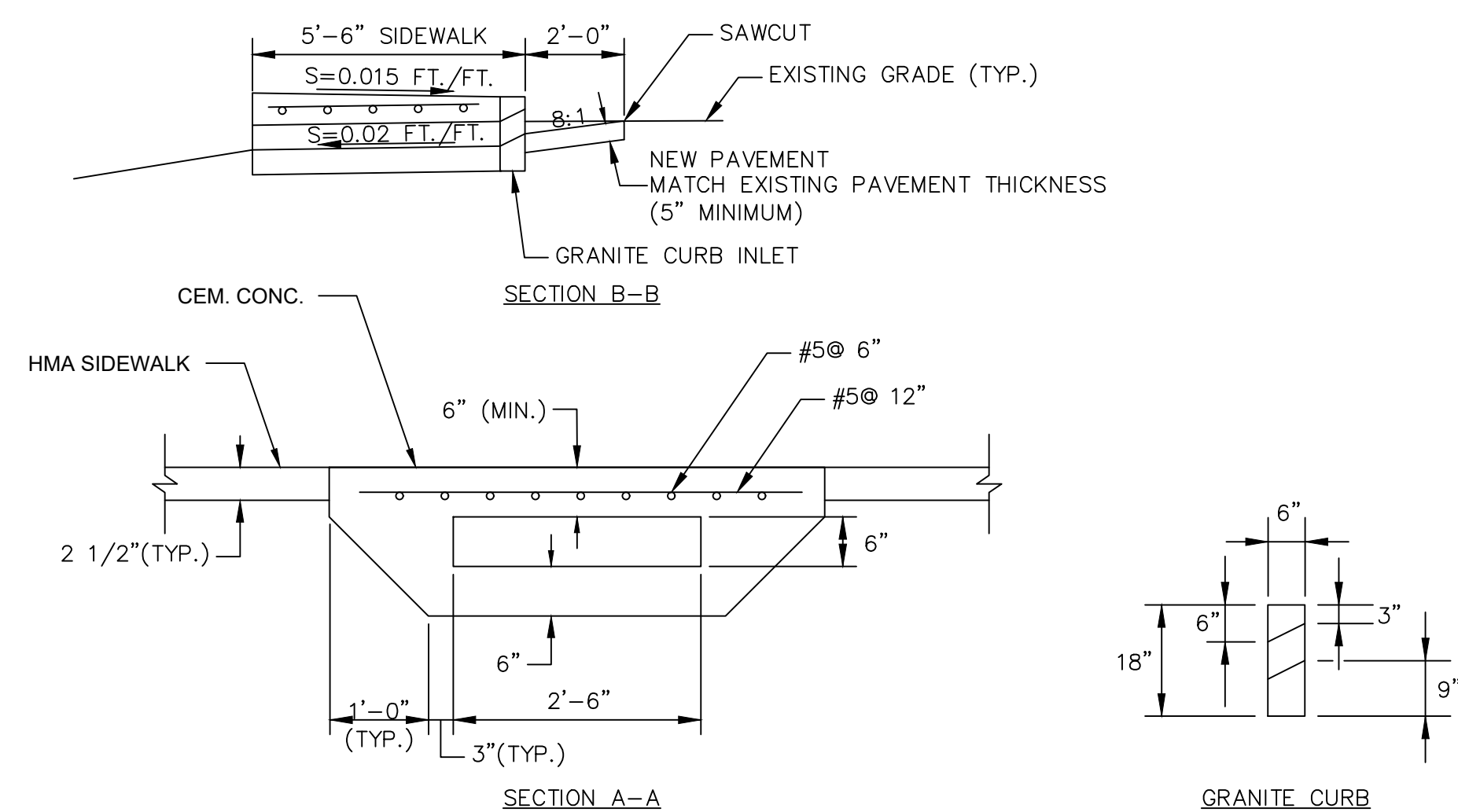
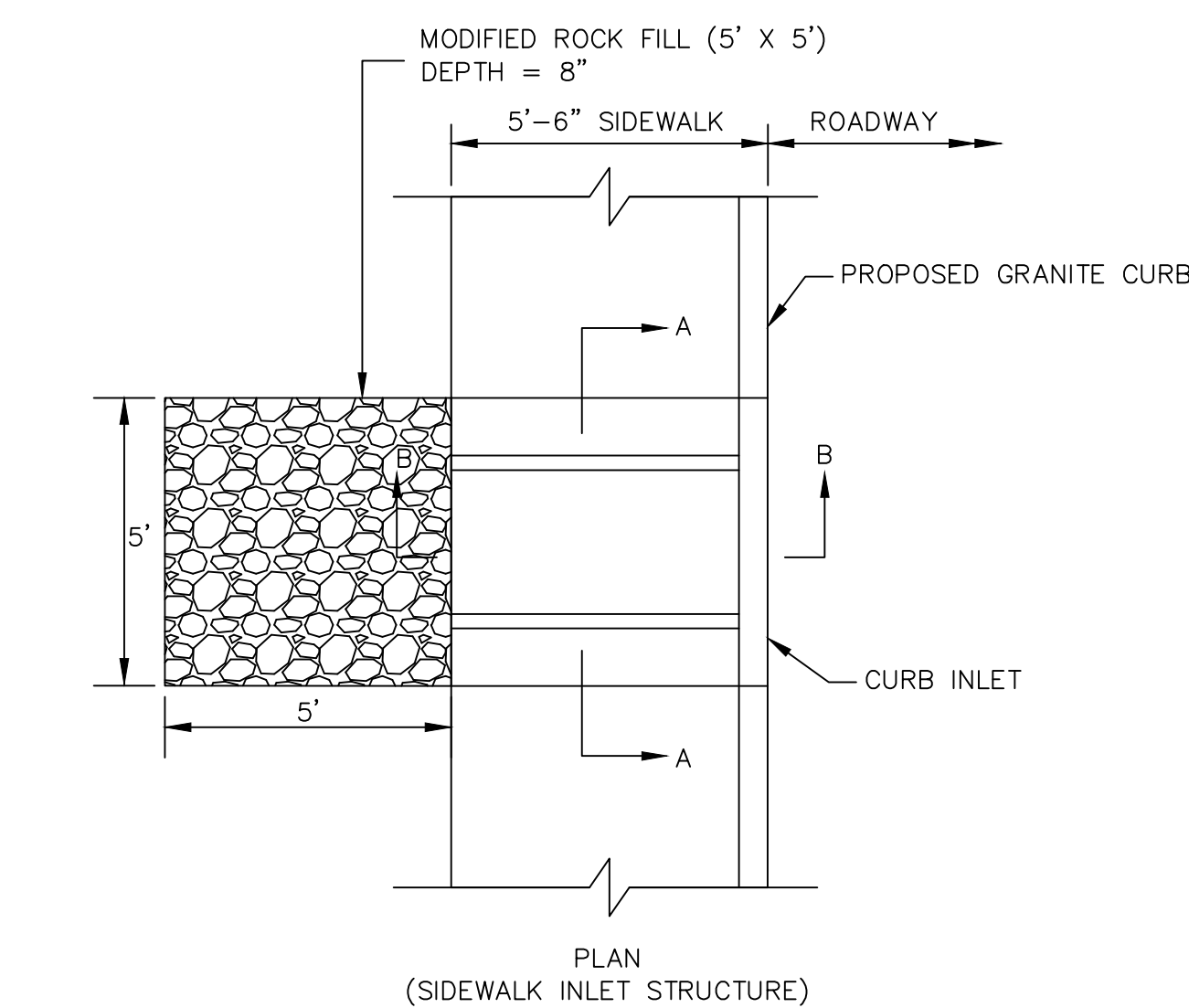
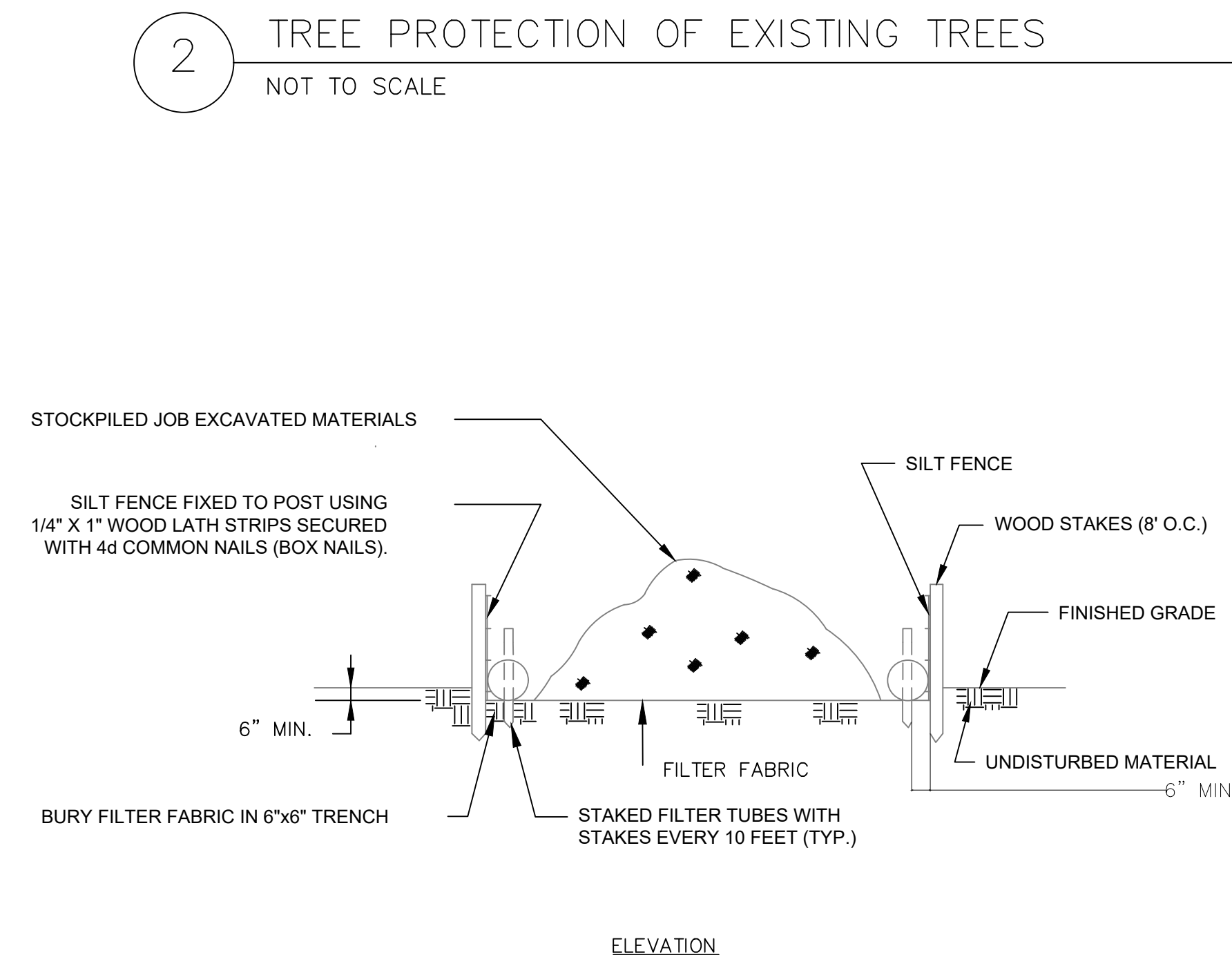
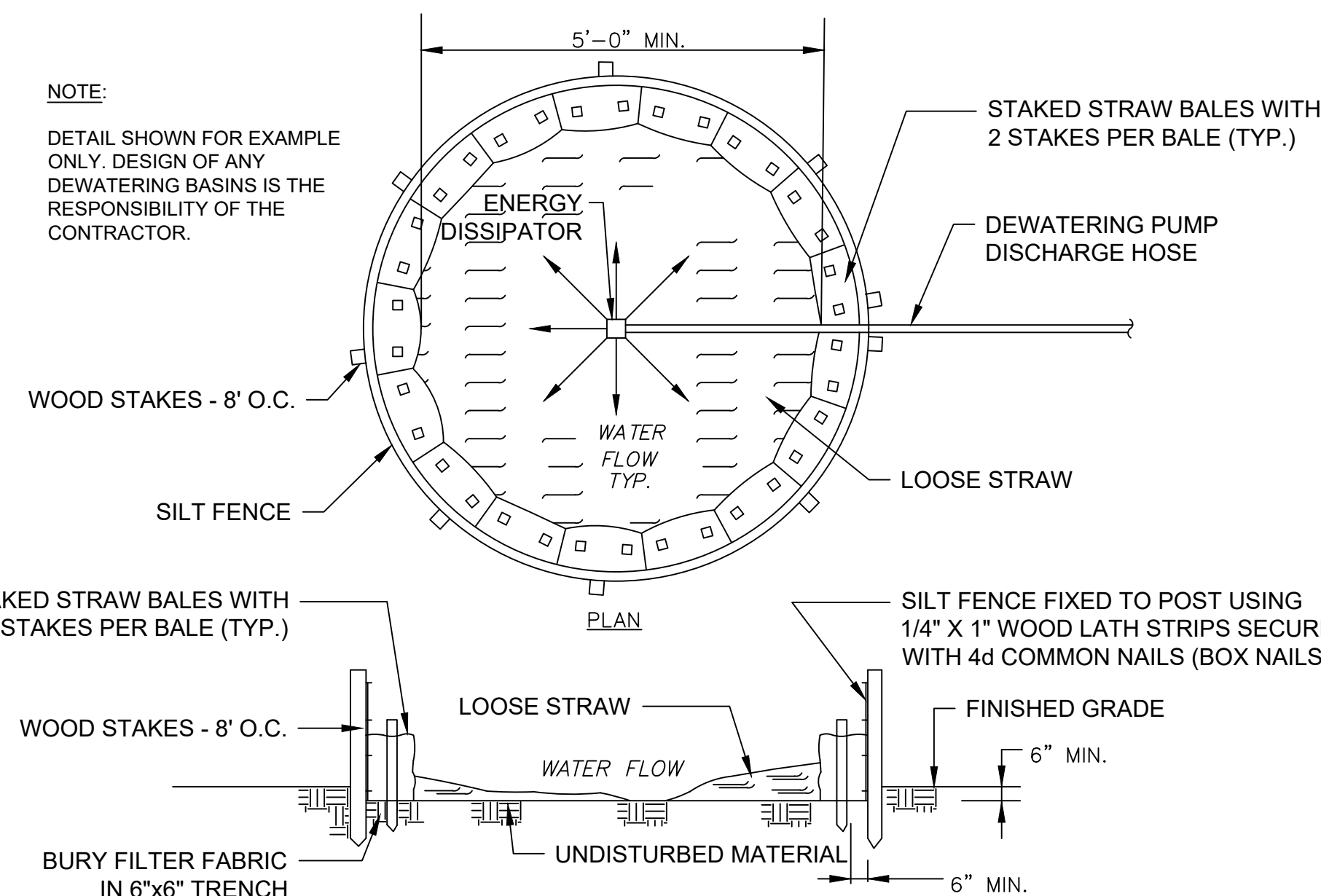
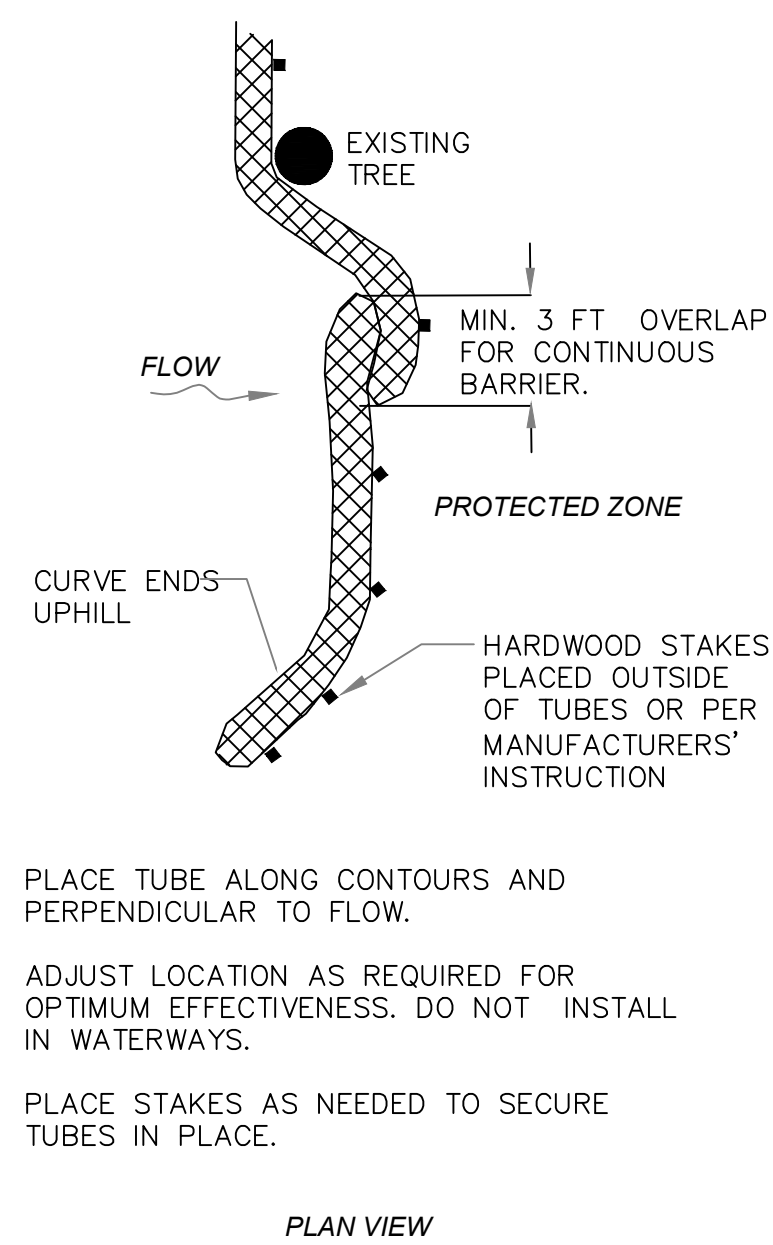


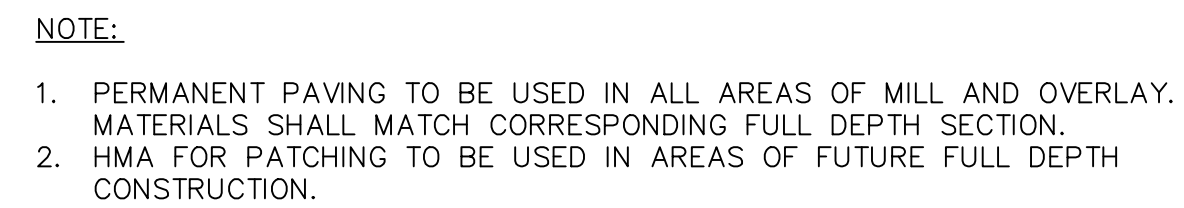
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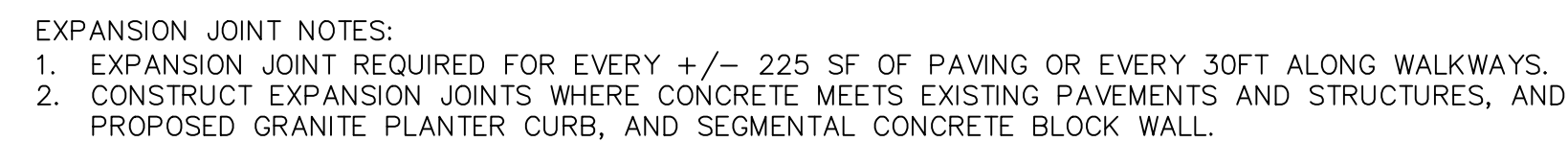
1. ALL DISTURBED AREAS WILL RECEIVE 4" OF LOAM AND LAWN SEED MIX.
2. UNDISTURBED GRASS AREAS WITHIN THE LIMIT OF WORK WILL BE REFURBISHED.
3. SLOPES AT BIORETENTION AREAS NOT PLANTED WITH SHRUBS WILL RECEIVE 4" OF LOAM AND NATIVE SLOPE SEED MIX.

PLANT LIST						
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS/ SPACING	ROOT
DECIDUOUS TREES						
BN		BETULA NIGRA 'HERITAGE'	HERITAGE RIVER BIRCH	2-2.5" CAL.	TREE FORM	B&B
CV		CHIONANTHUS VIRGINICUS	FRINGE TREE	2-2.5" CAL.		B&B
HC		HALESIA CAROLINA	CAROLINA SILVERBELL	2-2.5" CAL.		B&B
LSH		LIQUIDAMBAR STYRACIFLUA 'HAPDELL'	HAPPIDAZE FRUITLESS SWEET GUM	2-2.5" CAL.		B&B
MC		MALUS X ZUMI 'CALOCARPA'	ZUMI CALOCARPA CRABAPPLE	2-2.5" CAL.		B&B
EVERGREEN TREES						
PG		PICEA GLAUCA	WHITE SPRUCE	6-7 FT		B&B
DECIDUOUS SHRUBS						
AA		ARONIA ARBUTIFOLIA 'BRILLANTISSIMA'	RED CHOKEBERRY	2-3' FT	2' O.C.	CONT #5
AML		ARONIA MELANOCARPA 'U'CONNAM165'	LOW SCAPE MOUND ARONIA	2-3' FT	3' O.C.	CONT #5
COS		CEPHALANTHUS OCCIDENTALIS 'SUGAR SHACK'	SUGAR SHACK BUTTONWOOD	2-3' FT	3' O.C.	CONT #5
CL		CLETHRA ALNIFOLIA 'HUMMINGBIRD'	HUMMINGBIRD SUMMERSWEET	2-3' FT	3' O.C.	CONT #5
CS		CORNUS SERICEA 'ISANTI'	ISANTI RED TWIG DOGWOOD	2-3' FT	3' O.C.	CONT #5
MI		MYRICA GALE	SWEETGALE	18-24" SP.	2.5' O.C.	CONT #5
MP		MYRICA PENNSYLVANICA	BAYBERRY	3-4' HT	4' O.C.	B&B
RGL		RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	18-24" SP.	2.5' O.C.	CONT #3
ST		SPIREA TOMENTOSA	MEADOWSWEET STEEPLEBUSH	18" HT	18" O.C.	CONT #3
VT		VIBURNUM TRILOBUM 'BAILEY COMPACT'	BAILEY'S CRANBERRYBUSH VIBURNUM	2-3' FT	3' O.C.	CONT #5
EVERGREEN SHRUBS						
JVG		JUNIPERUS VIRGINIANA 'GREY OWL'	GREY OWL JUNIPER	2.5-3' SP.	3' O.C.	CONT #5
PERENNIALS AND GRASSES						
AFB		AGASTACHE FOENICULUM 'BLUE FORTUNE'	BLUE FORTUNE GIANT HYSSOP	CONT #2	15" O.C.	
CHO		CHASMANTHIUM LATIFOLIUM	NORTHERN SEA OATS	CONT #2	18" O.C.	
EDL		EUPATTORIUM DUBIUM 'LITTLE JOE'	LITTLE JOE JOE PIE WEED	CONT #2	20" O.C.	
EMP		EUPATORIUM MACULATUM 'PURPLE BUSH'	PURPLE BUSH JOE PIE WEED	CONT #2	20" O.C.	
EMG		EUPATORIUM MACULATUM 'GATEWAY'	GATEWAY JOE PIE WEED	CONT #2	20" O.C.	
HHR		HEMERICALIS 'HAPPY RETURNS'	HAPPY RETURNS DAYLILLY	CONT #2	15" O.C.	
PHM		PANICUM VIRGATUM 'HEAVY METAL'	HEAVY METAL SWITCH GRASS	CONT #2	18" O.C.	
PVS		PANICUM VIRGATUM 'SHENANDOAH'	SHENANDOAH SWITCH GRASS	CONT #2	18" O.C.	





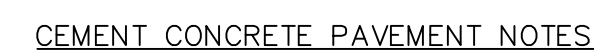
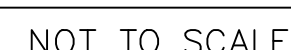
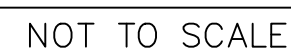
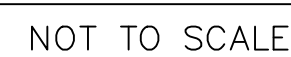




NOT TO SCALE



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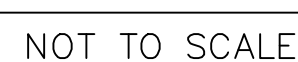


1. CEMENT CONCRETE PAVEMENT SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI WITH 6% AIR-ENTRAINMENT AND MINIMUM CEMENT CONTENT OF 610 LBS./CY.
2. CONTRACTOR SHALL SUBMIT CONCRETE JOINT LAYOUT PLAN FOR APPROVAL. EXPANSION JOINTS SHALL BE TRANSVERSE
3. PREFORMED EXPANSION JOINT FILLER (AASHTO M-213-65) $\frac{1}{2}$ IN. THICKNESS.
4. PREFORMED EXPANSION JOINT FILLER SHALL BE PLACED ADJACENT TO OR AROUND EXISTING STRUCTURES AND WALKWAYS.
5. AFTER CONSOLIDATION, CONCRETE DEPTH SHALL BE 4 INCHES IN DEPTH.
6. ENSURE THAT NO BLEED WATER OR WATER SHEEN EXISTS ON THE SURFACE OF THE CONCRETE AND THAT CONCRETE HAS STARTED TO STIFFEN BEFORE ANY FINISHING OPERATIONS ARE PERFORMED.
7. AFTER TROWELING, SURFACE SHALL BE PROTECTED BY DRAWING A SOFT-BRISTLED PUSHBROOM WITH A LONG HANDLE OVER THE SURFACE OF THE CONCRETE TO PRODUCE A NON-SLIP SURFACE.
8. THE FINISHING OF CONCRETE SURFACE SHALL BE DONE BY EXPERIENCED AND COMPETENT CEMENT CONCRETE FINISHERS.
9. FINISHING SHALL BE BROOM FINISH.
10. WHEN COMPLETED, WALKWAYS SHALL BE KEPT MOIST AND PROTECTED FROM TRAFFIC AND WEATHER FOR AT LEAST 3 DAYS.

NOT TO SCALE



1. SECURE CONCRETE WHEEL STOPS WITH (2) 1/2" REBAR 24" LONG IN EACH WHEEL STOP.
2. CENTER WHEEL STOP IN EACH PARKING STALL.



1. FOR HANDICAP ACCESSIBLE TRAIL

NOT TO SCALE



Client:



CITY OF NEW BEDFORD
133 WILLIAM ST
NEW BEDFORD
MASSACHUSETTS

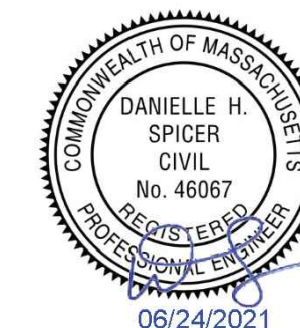
Project Title:
BUTTONWOOD PARK
COMMUNITY CENTER
SITE IMPROVEMENTS

NOI SUBMISSION

Project Location:

1 ONEIDA ST.
NEW BEDFORD, MA

Stamp:

[illegible]

Project No.: 21002

Drawn By: MW/SB
Designed By: MW/SB/JR
Checked By: DS/JR
Date: 6/24/2021
Scale: 1"=20'


Drawing Title:
DETAILS-3

Sheet No.
9 of 12

Drawing No.:
C-9



Client:



CITY OF NEW BEDFORD
133 WILLIAM ST
NEW BEDFORD
MASSACHUSETTS


Project Title:
BUTTONWOOD PARK
COMMUNITY CENTER
SITE IMPROVEMENTS

NOI SUBMISSION

Project Location:

1 ONEIDA ST.
NEW BEDFORD, MA

Stamp:



06/24/2021

[illegible]

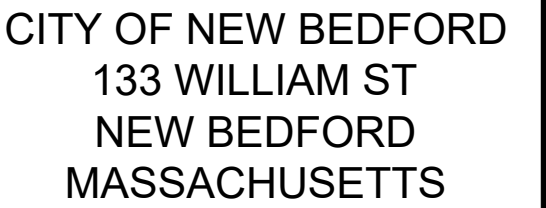
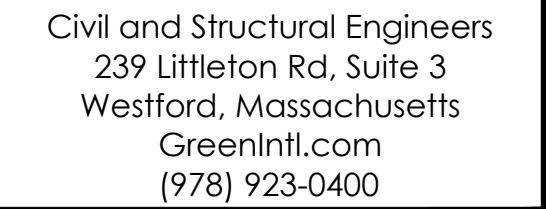
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Drawn By: MW/SB
Designed By: MW/SB/JR
Checked By: DS/JR
Date: 6/24/2021
Scale: 1"=20'

Drawing Title:
DETAILS-4

Sheet No. 10 of 12	Drawing No.: C-10
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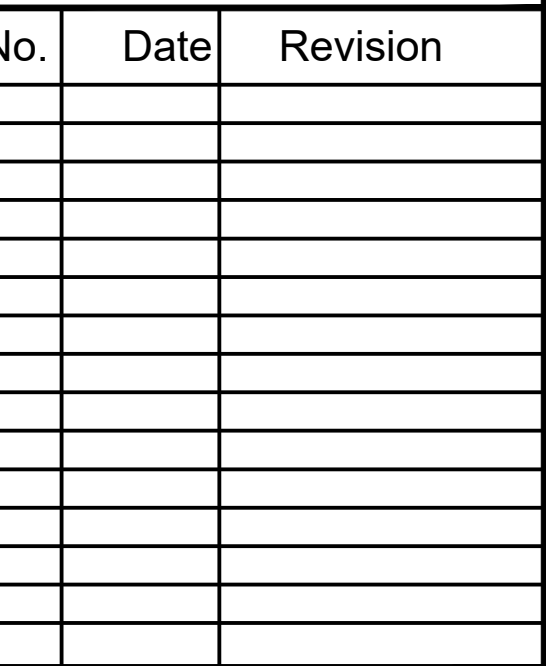
Project Title:
BUTTONWOOD PARK
COMMUNITY CENTER
SITE IMPROVEMENTS

NOI SUBMISSION

Project Location:

1 ONEIDA ST.
NEW BEDFORD, MA

Stamp:

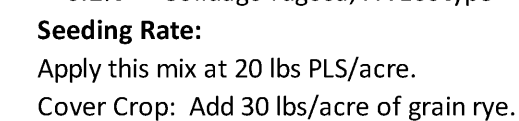


Project No.: 21002

Drawn By: MW/SB
Designed By: MW/SB/JR
Checked By: DS/JR
Date: 6/24/2021
Scale: 1"=20'

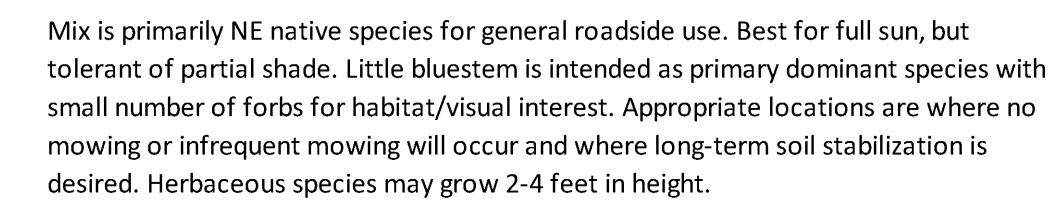
Drawing Title:
DETAILS-5

Sheet No. 11 of 12	Drawing No.: C-11
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% PLS	Botanical Name	Common Name
59.0%	<i>Festuca rubra</i>	Creeping Red Fescue
30.0%	<i>Poa pratensis</i>	Kentucky Blue
5.0%	<i>Lolium perenne</i>	Perennial Rye
5.0%	<i>Agrostis gigantea</i>	Redtop
1.0%	<i>Trifolium repens</i>	Dutch White Clover

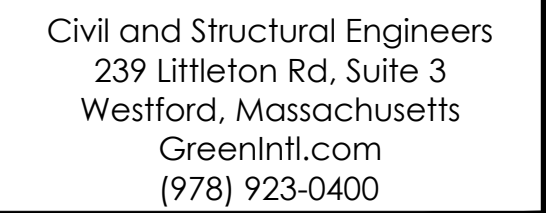
Seeding Rate:
 Apply this mix at 90 lbs PLS/acre.
 Varieties of Fescue, Rye Grass and Bluegrass shall be from the top 25% of the two most recent National Turfgrass Evaluation Program reports.



% PLS	Botanical Name	Common Name
50.6%	<i>Schizachyrium scoparium</i> 'Albany Pine'	Little Bluestem 'Albany Pine'
20.0%	<i>Elymus virginicus</i>	Virginia Wild Rye
12.0%	<i>Festuca rubra</i>	Creeping Red Fescue
5.0%	<i>Dichanthelium clandestinum</i> 'Tioga'	Deertongue grass 'Tioga'
4.0%	<i>Agrostis perennans</i>	Upland Bentgrass
4.0%	<i>Chamaecrista fasciculata</i>	Partridge Pea
2.0%	<i>Rudbeckia hirta</i> - VT ecotype	Black-eyed Susan - VT ecotype
0.5%	<i>Asclepias tuberosa</i>	Butterfly Milkweed
0.5%	<i>Aster oblongifolius</i>	Aromatic Aster
0.5%	<i>Aster laevis</i>	Smooth Aster
0.5%	<i>Solidago nemoralis</i>	Grey Goldenrod
0.2%	<i>Baptisia tinctoria</i>	Wild Indigo
0.2%	<i>Pycnanthemum tenuifolium</i>	Slender Mountain Mint


Seeding Rate:
Apply this mix at 25 lbs PLS/acre on areas of less than 3:1 slope and 40 lbs PLS on areas of greater than 3:1 slope.
Cover Crop: Add 30 lbs/acre of either grain oats (1 Jan to 31 July) or grain rye (1 Aug to 31 Dec). Cover crop shall be incidental to seeding item.





NOI SUBMISSION

Stamp:


DANIELLE H. SPICER
GOV.
No. 46067
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OFFICE OF THE ATTORNEY GENERAL
06/24/2021

[illegible]

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Designed By: MW/SB/JR
Checked By: DS/JR
Date: 6/24/2021
Scale: 1"=20'

Sheet No. 12 of 12	Drawing No.: C-12
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