

EBT Environmental Consultants, Inc.
GLENN E. KREVOSKY, CONSULTANT

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Cell: (508)769-3659 Office: (508)987-0979

Sturbridge Conservation Commission
308 Main Street
Sturbridge, MA 01566

March 1, 2022

Re. 150 Charlton Road, Sturbridge – Alternatives Analysis Narrative

Dear Commission,

Summit Engineering and Survey, Inc. and EBT Environmental Consultants, Inc. prepared two alternative plans for the site which were derived from our initial reviews of the site – Sketch Plan #3, dated 2/28/2022 (Alt 3) and Sketch 2, dated 3/1/2022 (Alt 2). The two alternative plans arrive at significantly more alteration in the riparian zones (with the basins).

Alt 3 shows 18,141 square feet of alteration in the 100'-200' riparian zone including a stormwater basin. This plan shows 7,439 square feet of restoration of the riparian zones arriving at a 10,072 square foot or 7.2% decrease of natural riverfront area on the site. Without the stormwater basin Alt 3 shows 6,496 square feet of alteration which makes the restoration to alteration ratio of 1.15 to 1 under the Wetland Protection Act.

Alt 2 shows 14,189 square feet of alteration in the 100'-200' riparian zone including a stormwater basin. This plan shows 9,810 square feet of restoration of the riparian zones arriving at a 4,421 square 2.9% decrease of natural riverfront area on site. Without the stormwater basin Alt 2 shows 6,073 square feet of alteration which makes the restoration to alteration ratio of 1.62 to 1 under the Wetland Protection Act.

Our current plan shows 6,073 square feet of alteration in the 100'-200' riparian zone with no stormwater basin in the riverfront area on the site. This plan shows 9,810 square feet of restoration of the riparian zones arriving at a 3,737 square foot or 2.5% increase of natural riverfront area. Our current restoration to alteration ratio of 1.62 to 1. Our current revision of the plan conforms to the performance standards under 310 CMR 10.58 and is the best scenario arrived at to conform with the Sturbridge Wetland Bylaw.

Respectfully,


Glenn E. Krevosky, Consultant

Attached: Sketch Plan #3 by Summit Engineering and Survey, Inc., dated 2/28/2022
Sketch 2 by Summit Engineering and Survey, Inc., dated 3/1/2022



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Sturbridge

City/Town

B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input checked="" type="checkbox"/> Bank	49' of RCP 1. linear feet	98 (restored) 2. linear feet
b. <input checked="" type="checkbox"/> Bordering Vegetated Wetland	Existing sediment delta 1. square feet	4,013 (restored) 2. square feet
c. <input checked="" type="checkbox"/> Land Under Waterbodies and Waterways	49' of RCP 1. square feet 3. cubic yards dredged	429 (restored) 2. square feet

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet 3. cubic feet of flood storage lost	2. square feet 4. cubic feet replaced
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet 2. cubic feet of flood storage lost	3. cubic feet replaced
f. <input checked="" type="checkbox"/> Riverfront Area	1. Name of Waterway (if available) - specify coastal or inland	

2. Width of Riverfront Area (check one):

☐ 25 ft. - Designated Densely Developed Areas only

☐ 100 ft. - New agricultural projects only

☒ 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project: 148,189
square feet

4. Proposed alteration of the Riverfront Area:

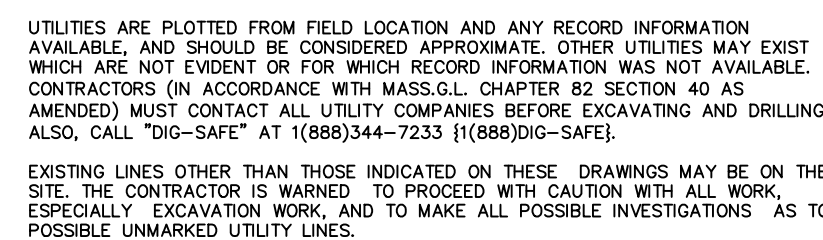
<u>6,073</u> a. total square feet	<u>0</u> b. square feet within 100 ft.	<u>6,073</u> c. square feet between 100 ft. and 200 ft.
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5. Has an alternatives analysis been done and is it attached to this NOI? ☒ Yes ☐ No

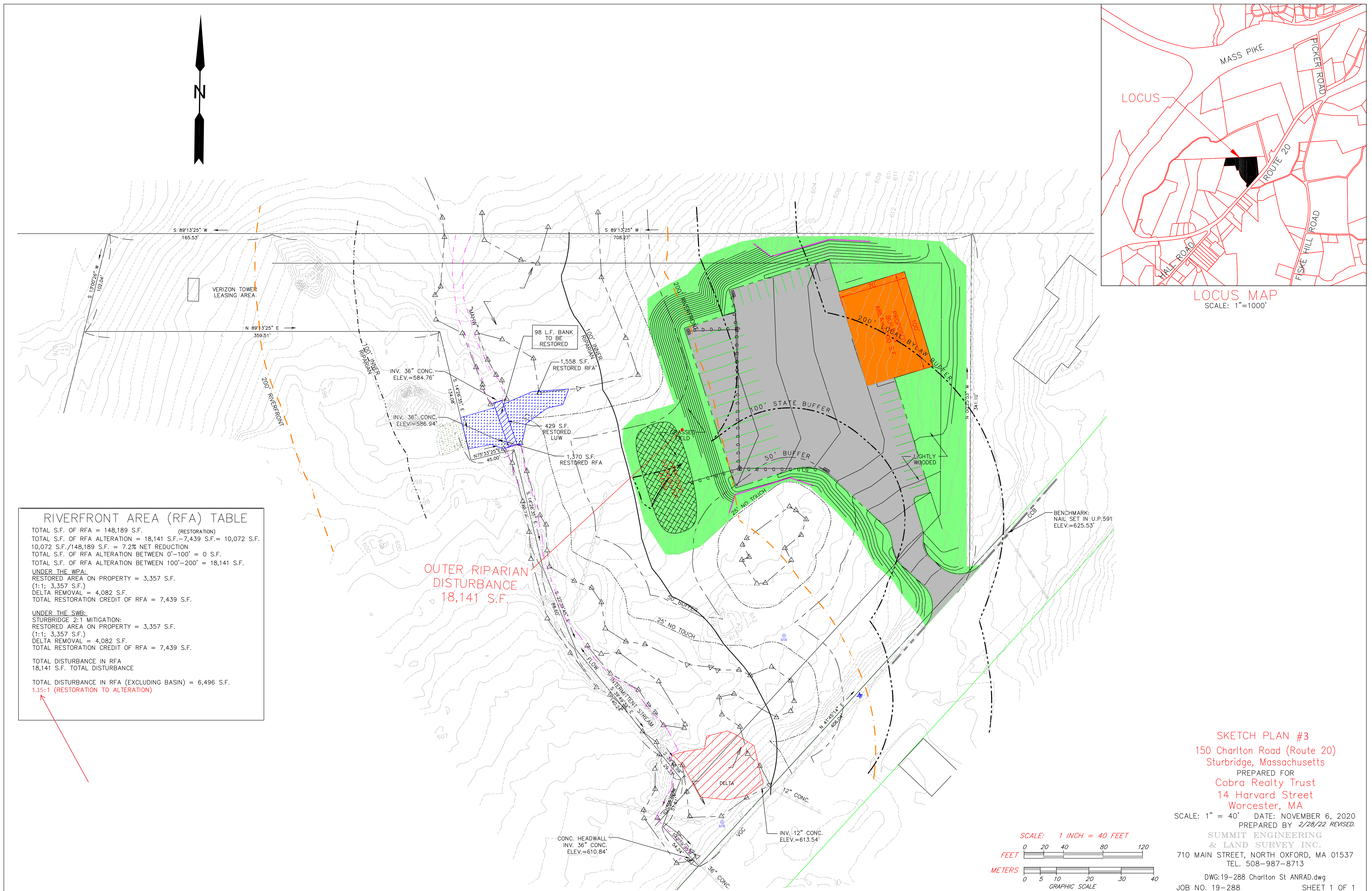
6. Was the lot where the activity is proposed created prior to August 1, 1996? ☐ Yes ☒ No

3. ☐ Coastal Resource Areas: (See 310 CMR 10.25-10.35)

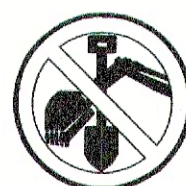
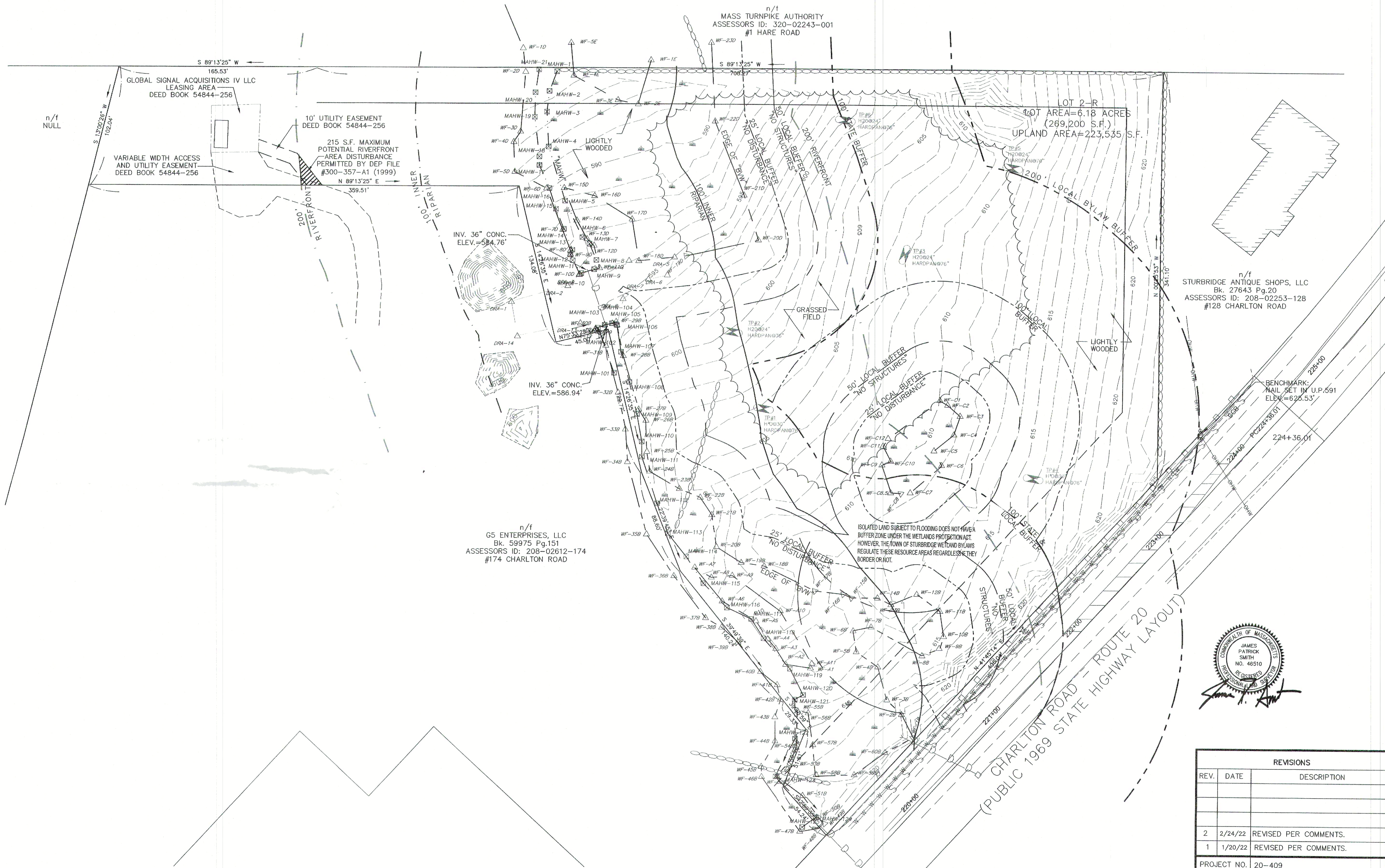
Note: for coastal riverfront areas, please complete **Section B.2.f.** above.



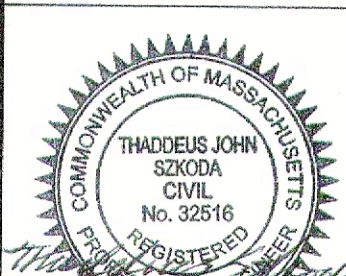
P.E.	P.L.S.
APPROVAL UNDER SITE PLAN REVIEW. STURBRIDGE PLANNING BOARD	
<u>BEING A MAJORITY</u>	
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gap: 5px;"><div style="width: 10px; height: 10px; border: 1px solid black; border-radius: 50%;"></div><div>EDGE OF PAVEMENT</div></div><div style="display: flex; align-items: center; gap: 5px;"><div style="width: 10px; height: 10px; border: 1px solid black; border-radius: 50%;"></div><div>FENCING (AS NOTED)</div></div><div style="display: flex; align-items: center; gap: 5px;"><div style="width: 10px; height: 10px; border: 1px solid black; border-radius: 50%;"></div><div>GUARD RAILING (AS NOTED)</div></div><div style="display: flex; align-items: center; gap: 5px;"><div style="width: 10px; height: 10px; border: 1px solid black; border-radius: 50%;"></div><div>TREE LINE</div></div><div style="display: flex; align-items: center; gap: 5px;"><div style="width: 10px; height: 10px; border: 1px solid black; border-radius: 50%;"></div><div>EDGE OF LANDSCAPING</div></div><div style="display: flex; align-items: center; gap: 5px;"><div style="width: 10px; height: 10px; border: 1px solid black; border-radius: 50%;"></div><div>BORDERING VEGETATED WETLAND</div></div><div style="display: flex; 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C-1.0

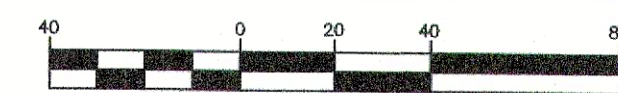


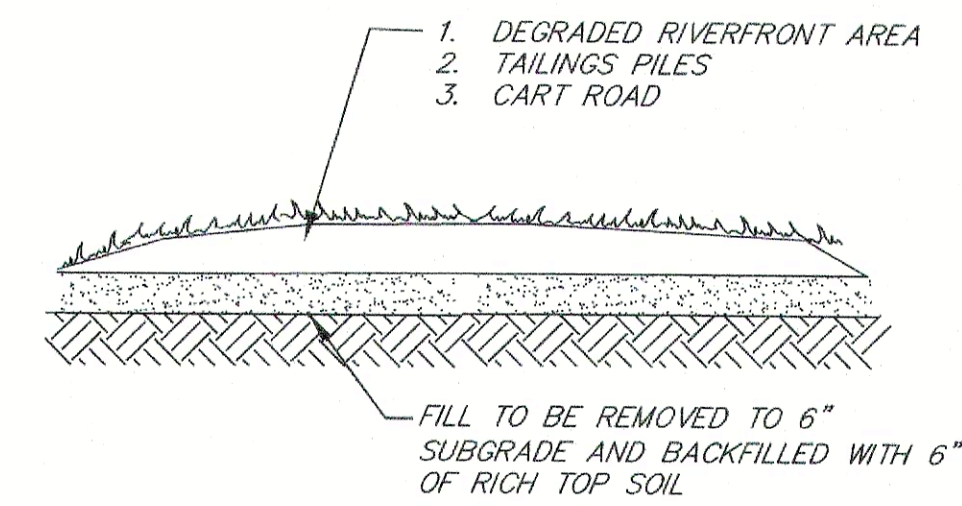
DIG SAFE NOTE:
UTILITIES ARE PLOTTED FROM FIELD LOCATION AND ANY RECORD INFORMATION AVAILABLE AND SHOULD BE CONSIDERED APPROXIMATE. OTHER UTILITIES MAY EXIST WHICH ARE NOT EVIDENT OR FOR WHICH RECORD INFORMATION WAS NOT AVAILABLE. CONTRACTORS (IN ACCORDANCE WITH MASS.G.L. CHAPTER 92 SECTION 40 AS AMENDED) MUST CONTACT ALL UTILITY COMPANIES BEFORE EXCAVATING AND DRILLING. ALSO, CALL "DIG-SAFE" AT 1(888)344-7233 (1(888)DIG-SAFE).
EXISTING LINES OTHER THAN THOSE INDICATED ON THESE DRAWINGS MAY BE ON THE SITE. THE CONTRACTOR IS WARNED TO PROCEED WITH CAUTION WITH ALL WORK, ESPECIALLY EXCAVATION WORK, AND TO MAKE ALL POSSIBLE INVESTIGATIONS AS TO POSSIBLE UNMARKED UTILITY LINES.

P.E.		P.L.S.	
			
APPROVAL UNDER SITE PLAN REVIEW. STURBRIDGE PLANNING BOARD BEING A MAJORITY			
APPROVAL DATE: _____ ENDORSEMENT DATE: _____			
LEGEND			
<ul style="list-style-type: none">IRON PIPE FOUNDDRILL HOLE FOUNDSTONE OR CONCRETE MONUMENTSEWER MANHOLEDRAIN MANHOLEELECTRIC MANHOLETELEPHONE MANHOLEWATER MANHOLEUNDETERMINED MANHOLECATCH BASINCLEANOUTMONITORING WELLANCHORUTILITY POLEWATER GATE VALVEWATER SHUT OFFHYDRANTBENCHMARKGAS VALVESIGNLIGHT POLE / LAMP POSTSPOT LIGHTMAILBOX (MBX)BOLLARDOBSERVATION TEST PITHYDRIC SOIL TEST PITBORING TEST PITSHRUBS, BUSHES, ETC.DECIDUOUS TREECONIFEROUS TREEWETLAND FLAGBOULDERVERTICAL GRANITE CURBINGCONCRETE CURBINGCAPE COD BERM (BITUMINOUS)BITUMINOUS CURBING (GENERIC)ELECTRIC LINESEWER LINEDRAIN LINEWATER LINEGAS LINETELEPHONE LINEFIRE PROTECTION LINEOVERHEAD WIRESCABLE TELEVISIONROOF DRAINSTONEWALLEDGE OF PAVEMENTFENCING (AS NOTED)GUARD RAILING (AS NOTED)TREE LINEEDGE OF LANDSCAPINGBORDERING VEGETATED WETLANDPROPERTY LINESUBSURFACE DRAIN			
PREPARED BY:			
SUMMIT Engineering & Survey, Inc. 710 MAIN STREET OXFORD, MA 01537 (508) 887-8713 F:(508) 887-8714			
SHEET TITLE			
EXISTING CONDITIONS			
DEFINITIVE SITE PLAN at 150 CHARLTON ROAD (ROUTE 20) STURBRIDGE, MA PREPARED FOR INTERSTATE TOWING			
SHEET NO.			
C-2.0			

REVISIONS		
REV.	DATE	DESCRIPTION
2	2/24/22	REVISED PER COMMENTS.
1	1/20/22	REVISED PER COMMENTS.

PROJECT NO.	20-409
DESIGNED BY	PML
CHECKED BY	AB
DATE	9/13/21
CAD FILE	19-288_150 CHARLTON ST. SITE

GRAPHIC SCALE	
	
(IN FEET) 1 inch = 40 feet	



PLANTINGS TO BE NATURALLY OCCURRING PLANTS IDENTIFIED IN ADJACENT
EAS. SIX FOOT SPACING OF PLANTS TO INCLUDE (33) NORTHERN RED OAK,
(1) RED MAPLE, (33) WHITE PINE, (33) SWEET PEPPER BUSH, (33) AMERICAN
Hazel, (33) NORTHERN BAYBERRY AND (33) WITCH HAZEL.
THE AREA WILL BE SEEDED WITH NEW ENGLAND CONSERVATION/WILDLIFE MIX.
ALL PLANTS AND SEED MIX SHALL BE PURCHASED FROM NEW ENGLAND
PLANT PLANTS
RESTORATION SHALL BE OVERSEEN BY EET ENVIRONMENTAL CONSULTANTS,



DELTA RESTORATION PLAN

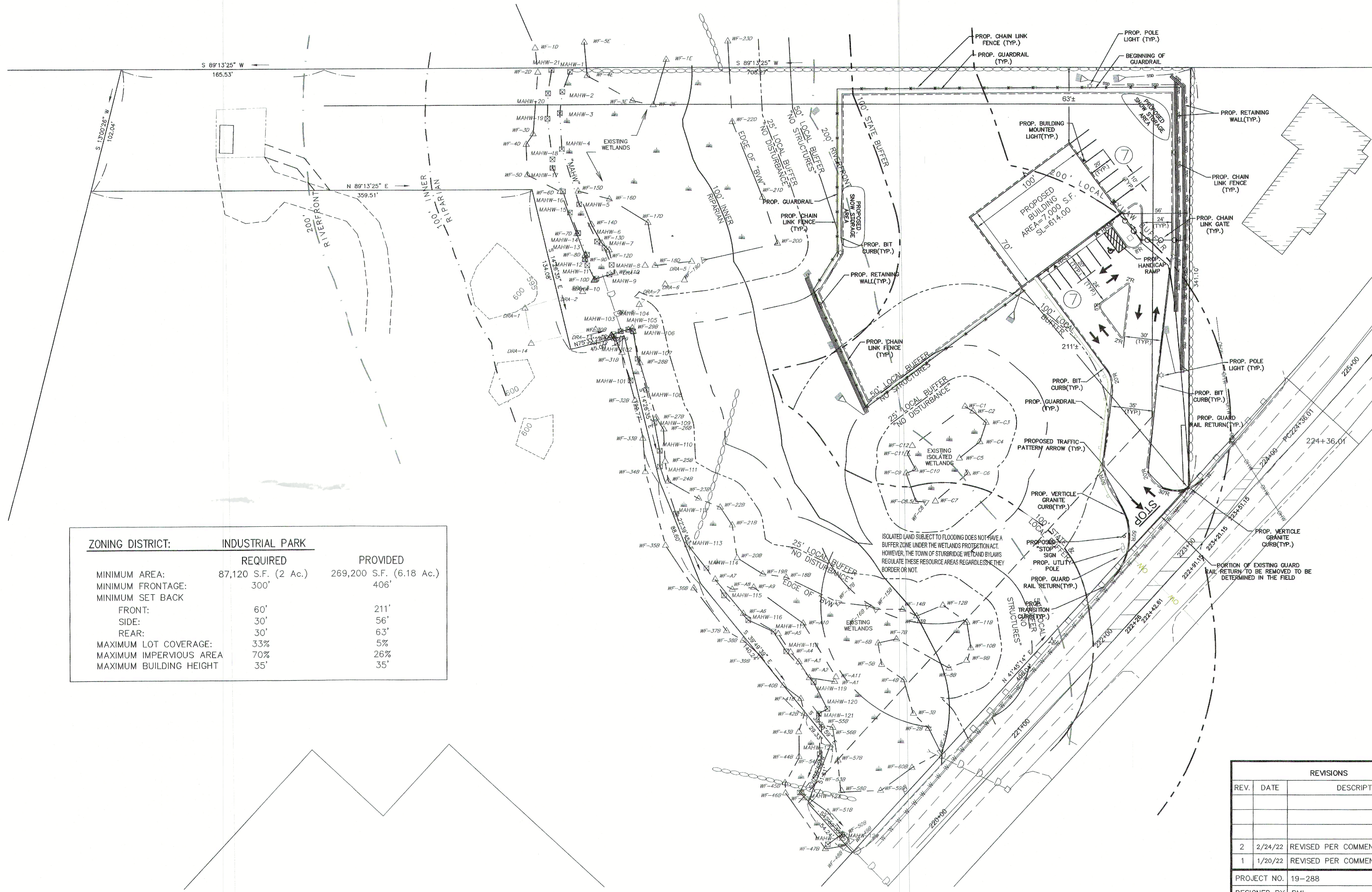
1. UTILIZE A TRACK TRUCK AND A JOHN DEERE 350 WITH A CLEANUP BUCKET TO REMOVE ACCUMULATED DELTA DOWN TO ORIGINAL BURIED A HORIZON.
2. AVOIDING DAMAGE TO SAPLINGS, TREES, OR MAJOR BUSHES UNDER THE DIRECT GUIDANCE OF A WETLAND RESTORATION SPECIALIST.
3. UTILIZE TWO LABORERS WITH HOES FOR FINE TUNING THE SEDIMENT REMOVAL AT THE SAME TIME THE EXCAVATOR IS IN OPERATION.
4. SEED WITH A WET MEADOW SEED MIX. CREATE A 15' DIAMETER 2' DEEP SUMP AT THE OUTLET OF THE 12" RCP (SOURCE OF SAND DISCHARGE).
5. MONITOR THE SMALL SETTLING AREA AT A 1-YEAR INTERVAL TO MONITOR THE VOLUME OF ROAD SAND COMING INTO THE SITE.
6. CATCH BASIN "A" AT GILFORD STREET COULD ALSO BE VACCUUMED OUT TWICE A YEAR OR WHEN STRUCTURE IS AT 50% CAPACITY OF SEDIMENT AS PART OF THE MAINTENANCE PLAN DURING THE LENGTH OF THE ORDER FOR THE PROJECT.

EGG SAFE NOTE:

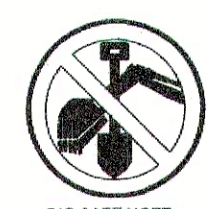
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<p align="center">P.E.</p> <div style="text-align: center;">  </div>	<p align="center">P.L.S.</p>		
APPROVAL UNDER SITE PLAN REVIEW. STURBRIDGE PLANNING BOARD BEING A MAJORITY <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>			
APPROVAL DATE: _____ ENDORSEMENT DATE: _____			
<h3 align="center">LEGEND</h3> <table style="width: 100%;"> <tbody> <tr> <td style="vertical-align: top; width: 30%;"> </td> <td style="vertical-align: top; width: 70%;"> IRON PIPE FOUND DRILL HOLE FOUND STONE OR CONCRETE MONUMENT SEWER MANHOLE DRAIN MANHOLE ELECTRIC MANHOLE TELEPHONE MANHOLE WATER MANHOLE UNDETERMINED MANHOLE CATCH BASIN CLEANOUT MONITORING WELL ANCHOR UTILITY POLE WATER GATE VALVE WATER SHUT OFF HYDRANT BENCHMARK GAS VALVE SIGN LIGHT POLE / LAMP POST SPOT LIGHT MAILBOX (MBX) BOLLARD OBSERVATION TEST PIT HYDROIC SOIL TEST PIT BORING TEST PIT SHRUBS, BUSHES, ETC. DECIDUOUS TREE CONIFEROUS TREE WETLAND FLAG BOULDER VERTICAL GRANITE CURBING CONCRETE CURBING CAPE COD BERM (BITUMINOUS) BITUMINOUS CURBING (GENERIC) ELECTRIC LINE SEWER LINE WATER LINE GAS LINE FIRE PROTECTION LINE OVERHEAD WIRES CABLE TELEVISION ROOF DRAIN STONEWALL EDGE OF PAVEMENT FENCING (AS NOTED) GUARD RAILING (AS NOTED) TREE LINE EDGE OF LANDSCAPING BORDERING VEGETATED WETLAND PROPERTY LINE SUBSURFACE DRAIN </td> </tr> </tbody> </table>		 	IRON PIPE FOUND DRILL HOLE FOUND STONE OR CONCRETE MONUMENT SEWER MANHOLE DRAIN MANHOLE ELECTRIC MANHOLE TELEPHONE MANHOLE WATER MANHOLE UNDETERMINED MANHOLE CATCH BASIN CLEANOUT MONITORING WELL ANCHOR UTILITY POLE WATER GATE VALVE WATER SHUT OFF HYDRANT BENCHMARK GAS VALVE SIGN LIGHT POLE / LAMP POST SPOT LIGHT MAILBOX (MBX) BOLLARD OBSERVATION TEST PIT HYDROIC SOIL TEST PIT BORING TEST PIT SHRUBS, BUSHES, ETC. DECIDUOUS TREE CONIFEROUS TREE WETLAND FLAG BOULDER VERTICAL GRANITE CURBING CONCRETE CURBING CAPE COD BERM (BITUMINOUS) BITUMINOUS CURBING (GENERIC) ELECTRIC LINE SEWER LINE WATER LINE GAS LINE FIRE PROTECTION LINE OVERHEAD WIRES CABLE TELEVISION ROOF DRAIN STONEWALL EDGE OF PAVEMENT FENCING (AS NOTED) GUARD RAILING (AS NOTED) TREE LINE EDGE OF LANDSCAPING BORDERING VEGETATED WETLAND PROPERTY LINE SUBSURFACE DRAIN
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<p align="center">PREPARED BY:</p> <div style="text-align: center;">  SUMMIT Engineering & Survey, Inc. 710 MAIN STREET OXFORD, MA 01537 P.(508) 987-8713 F.(508) 987-8714 </div>			
<p align="center">SHEET TITLE</p> <h2 align="center">DEMOLITION PLAN</h2>			
<p align="center">DEFINITIVE SITE PLAN</p> <p align="center">at</p> <h2 align="center">150 CHARLTON ROAD (ROUTE 20)</h2> <p align="center">STURBRIDGE, MA</p> <p align="center">PREPARED FOR</p> <h2 align="center">INTERSTATE TOWING</h2>			
<p align="center">SHEET NO.</p> <h1 align="center">C-3.0</h1>			



ZONING DISTRICT: INDUSTRIAL PARK		
	REQUIRED	PROVIDED
MINIMUM AREA:	87,120 S.F. (2 Ac.)	269,200 S.F. (6.18 Ac.)
MINIMUM FRONTAGE:	300'	406'
MINIMUM SET BACK		
FRONT:	60'	211'
SIDE:	30'	56'
REAR:	30'	63'
MAXIMUM LOT COVERAGE:	33%	5%
MAXIMUM IMPERVIOUS AREA	70%	26%
MAXIMUM BUILDING HEIGHT	35'	35'



UTILITIES ARE PLOTTED FROM FIELD LOCATION AND ANY RECORD INFORMATION AVAILABLE AND SHOULD BE CONSIDERED APPROXIMATE. OTHER UTILITIES MAY EXIST WHICH ARE NOT EVIDENT OR FOR WHICH RECORD INFORMATION WAS NOT AVAILABLE. CONTRACTORS (IN ACCORDANCE WITH MASS.G.L. CHAPTER 82 SECTION 40 AS AMENDED) MUST CONTACT ALL UTILITY COMPANIES BEFORE EXCAVATING AND DRILLING. ALSO, CALL "DIG-SAFE" AT (1-888)344-7233 (1-888)DIG-SAFE.

EXISTING LINES OTHER THAN THOSE INDICATED ON THESE DRAWINGS MAY BE ON THE SITE. THE CONTRACTOR IS WARNED TO PROCEED WITH CAUTION WITH ALL WORK, ESPECIALLY EXCAVATION WORK, AND TO MAKE ALL POSSIBLE INVESTIGATIONS AS TO POSSIBLE UNMARKED UTILITY LINES.

P.E. P.L.S.

APPROVAL UNDER SITE PLAN REVIEW.
STURBRIDGE PLANNING BOARD
BEING A MAJORITY

APPROVAL DATE: _____
ENDORSEMENT DATE: _____

LEGEND

- IRON PIPE FOUND
- DRILL HOLE FOUND
- STONE OR CONCRETE MONUMENT
- SEWER MANHOLE
- DRAIN MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- WATER MANHOLE
- UNDETERMINED MANHOLE
- CATCH BASIN
- CLEANOUT
- MONITORING WELL
- ANCHOR
- UTILITY POLE
- WATER GATE VALVE
- WATER SHUT OFF
- HYDRANT
- BENCHMARK
- GAS VALVE
- SIGN
- LIGHT POLE / LAMP POST
- SPOT LIGHT
- MAILBOX (MBX)
- BOLLARD
- OBSERVATION TEST PIT
- HYDRO SOIL TEST PIT
- BORING TEST PIT
- SHRUBS, BUSHES, ETC.
- DECIDUOUS TREE
- CONIFEROUS TREE
- WETLAND FLAG
- BOULDER
- VERTICAL GRANITE CURBING
- CONCRETE CURBING
- CAPE COD BERM (BITUMINOUS)
- BITUMINOUS CURBING (GENERIC)
- ELECTRIC LINE
- SEWER LINE
- DRAIN LINE
- WATER LINE
- GAS LINE
- TELEPHONE LINE
- FIRE PROTECTION LINE
- OVERHEAD WIRES
- CABLE TELEVISION
- ROOF DRAIN
- STONEWALL
- EDGE OF PAVEMENT
- FENCING (AS NOTED)
- GUARD RAILING (AS NOTED)
- TREE LINE
- EDGE OF LANDSCAPING
- BORDERING VEGETATED WETLAND
- PROPERTY LINE
- SUBSURFACE DRAIN

PREPARED BY:

SUMMIT
Engineering & Survey, Inc.
710 MAIN STREET
OXFORD, MA 01537
P: (508) 887-8733 F: (508) 887-8734

SHEET TITLE

LAYOUT & MATERIALS
PLAN

DEFINITIVE SITE PLAN
at
150 CHARLTON ROAD
(ROUTE 20)
STURBRIDGE, MA
PREPARED FOR
INTERSTATE TOWING

SHEET NO.

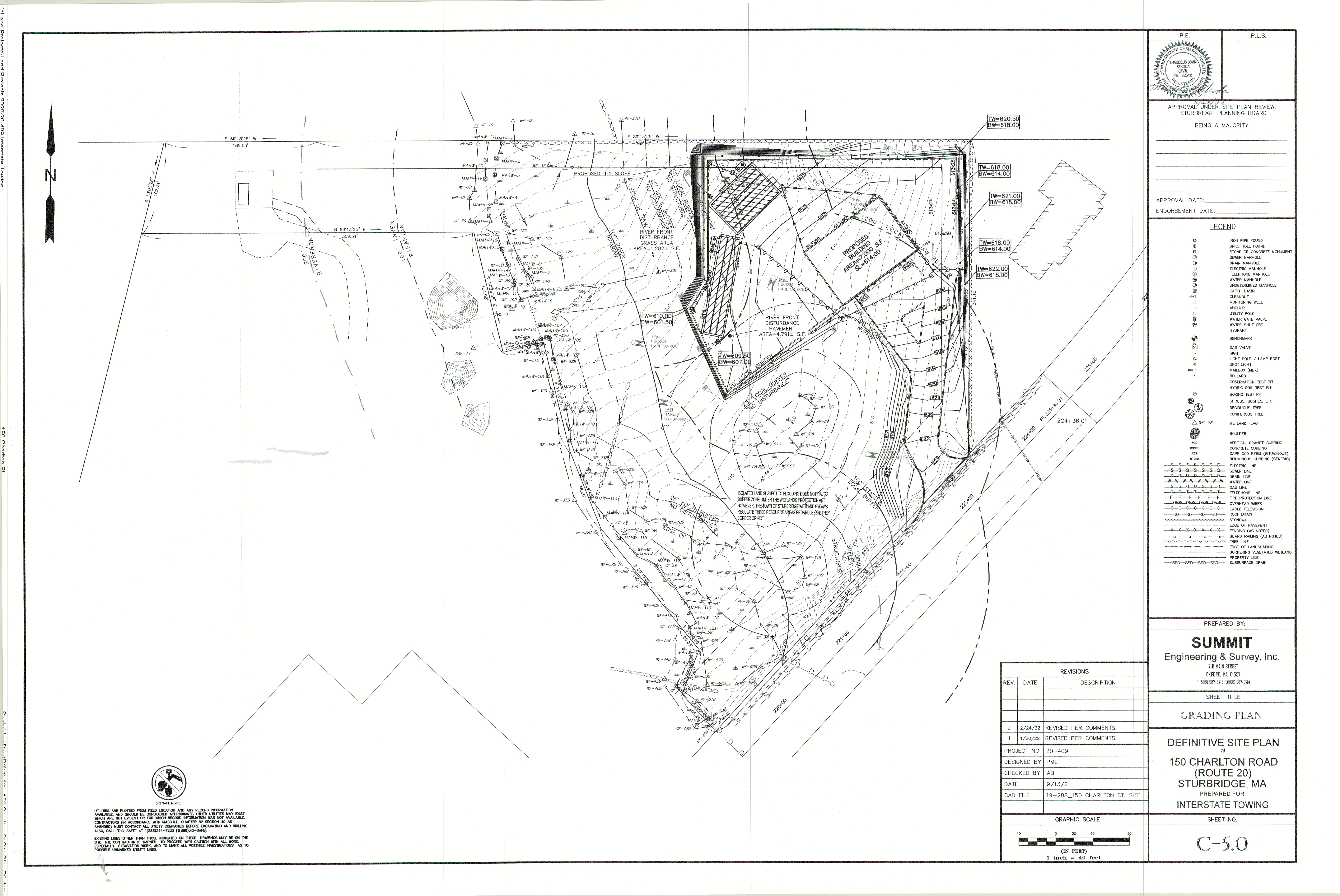
C-4.0

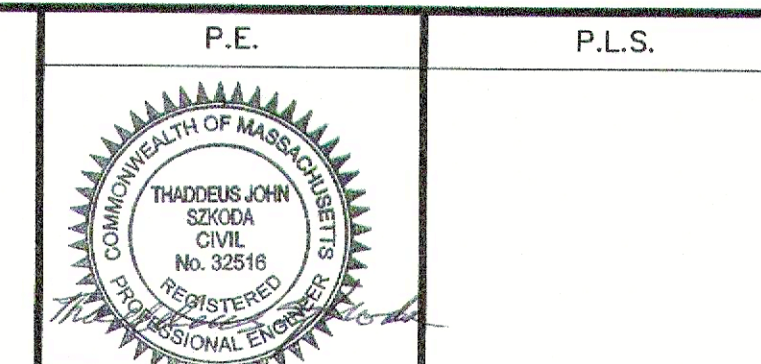
REVISIONS		
REV.	DATE	DESCRIPTION
2	2/24/22	REVISED PER COMMENTS.
1	1/20/22	REVISED PER COMMENTS.

PROJECT NO. 19-288
DESIGNED BY PML
CHECKED BY AB
DATE 9/13/21
CAD FILE 19-288_150 CHARLTON ST. SITE

GRAPHIC SCALE

40 0 20 40 80
(IN FEET)
1 inch = 40 feet





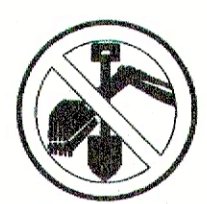
APPROVAL UNDER SITE PLAN REVIEW.
STURBRIDGE PLANNING BOARD
BEING A MAJORITY

APPROVAL DATE: _____
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LEGEND

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- BORDERING VEGETATED WETLAND
- PROPERTY LINE
- SUBSURFACE DRAIN

- PROPOSED CATCH BASINS**
- CB#1
R=609.50
I(12"O)=606.65
- CB#2
R=609.50
I(12"O)=606.50
- CB#3(HYDROWORKS)
R=613.00
I(12"O)=610.00
- PROPOSED FLARED END SECTIONS**
- FLARED END SECTION#1
I(12"O)=598.37
- PROPOSED DRAIN MANHOLES**
- DMH#1
R=610.85
I(6"O)=606.00
I(12"O)=605.85
I(12"O)=605.90
- DMH#2
R=612.50
I(12"O)=606.25
I(12"O)=606.25
- DMH#3
R=611.95
I(12"O)=606.00
I(12"O)=605.90
- DMH#4
R=610.50
I(12"O)=606.30
I(12"O)=606.20
- PROPOSED DIVERTER DRAIN MANHOLES**
- DDMH#1
R=610.25
I(12"O)=605.85
I(6"O)=605.75
I(12"O)=605.75
TW=606.40
- DDMH#2
R=609.75
I(12"O)=605.95
I(6"O)=605.85
I(12"O)=605.85
TW=606.34

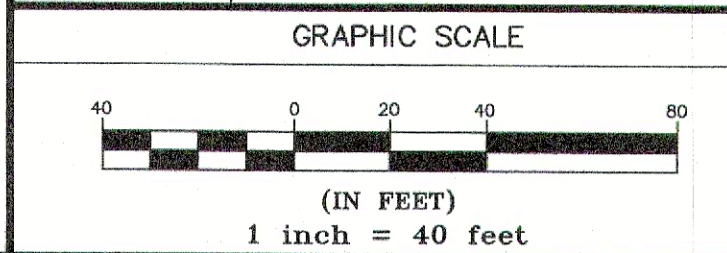


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REVISIONS		
REV.	DATE	DESCRIPTION
2	2/24/22	REVISED PER COMMENTS.
1	1/20/22	REVISED PER COMMENTS.
PROJECT NO. 20-409		
DESIGNED BY PML		
CHECKED BY AB		
DATE 9/13/21		
CAD FILE 19-288_150 CHARLTON ST. SITE		



PREPARED BY:

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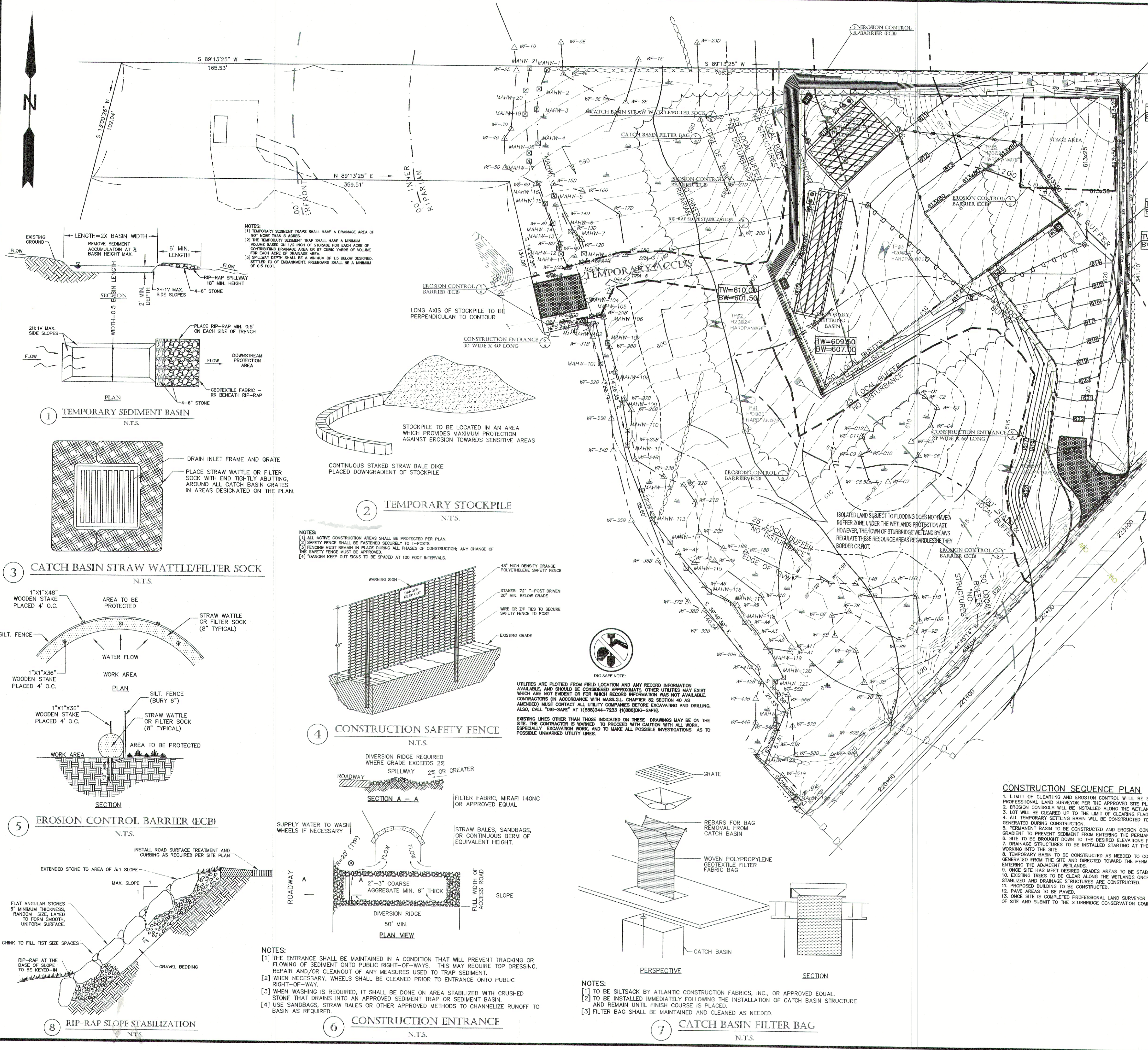
SHEET TITLE

**UTILITY & DRAINAGE
PLAN**

DEFINITIVE SITE PLAN
at
**150 CHARLTON ROAD
(ROUTE 20)
STURBRIDGE, MA**
PREPARED FOR
INTERSTATE TOWING

SHEET NO.

C-6.0



EROSION AND SEDIMENT CONTROL REQUIREMENTS

PART 1 - GENERAL

1.01 SUMMARY

A. FURNISH, INSTALL, AND MAINTAIN TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES, SUCH AS, BUT NOT NECESSARILY LIMITED TO, STRAW BALE AND SILT FENCE BARRIERS, RIPRAP, VEHICLE TRACKING PADS, DIVERSION CHANNELS AND BERMS, CHECK DAMS, STRATEGICALLY LOCATED STOCKPILES, SEDIMENT BASINS, MULCH, AND SEED MIX (HEREINAFTER "CONTROL MEASURES") ADEQUATE TO PREVENT THE CONVEYANCE OF EROSION PRODUCTS (E.G. SOIL, MULCH, SOD) OFF SITE, OR INTO ENVIRONMENTALLY SENSITIVE AREAS, OR INTO AREAS WHERE WORK WILL BE ADVERSELY IMPACTED. ENVIRONMENTALLY SENSITIVE AREAS INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO, WETLANDS, TRIBUTARIES TO WETLANDS, WETLAND BUFFER ZONES, INTERMITTENT AND PERENNIAL STREAMS / RIVERS, AND THEIR ATTENDANT BUFFER ZONES.

ALL METHODS AND MATERIALS USED FOR EROSION CONTROL SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN "EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS" AS PUBLISHED BY THE MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF RESOURCE PROTECTION, UNLESS OTHERWISE APPROVED IN WRITING.

1. REFER TO DRAWINGS FOR LOCATION AND DETAILS OF LIMITS OF DISTURBANCE AND CONTROL MEASURES REQUIRED TO COMMENCE WORK. LIMITS OF DISTURBANCE SHALL BE MARKED WITH TAPE, SIGNS, OR ORANGE CONSTRUCTION FENCE PRIOR TO COMMENCING ANY LAND DISTURBANCE ACTIVITIES. CONTROL MEASURES WILL BE ADEQUATE ONLY FOR VEGETATION CLEARING. THE DRAWINGS ARE NOT INTENDED TO REQUIREMENTS DESCRIBED IN 1.01.A.
2. DEVISE AND EMPLOY CONTROL MEASURES THROUGHOUT THE DURATION OF PROJECT, OVER ALL AREAS DISTURBED OR UNDISTURBED BY CONSTRUCTION, AS NECESSARY TO MEET THE REQUIREMENTS DESCRIBED IN 1.01.A. WHILE ALLOWING WORK TO PROCEED IN AN EFFICIENT, COST EFFECTIVE MANNER.
3. DEVISE AND EMPLOY TEMPORARY CONTROL MEASURES AS NECESSARY TO MEET THE REQUIREMENTS DESCRIBED IN 1.01.A. WHILE ALLOWING WORK TO PROCEED IN AN EFFICIENT, COST EFFECTIVE MANNER.
4. DEVISE, EMPLOY AND MAINTAIN CONTROL MEASURES UNTIL SUCH TIME AS THE ENTIRE SITE IS PERMANENTLY STABILIZED BY ESTABLISHED VEGETATION, FINISH LANDSCAPE MATERIALS, PAVED SURFACES, AND/OR ROOF AREA.
5. ONCE THE SITE IS PERMANENTLY STABILIZED AND CERTIFIED AS SUCH BY ENGINEER, REMOVE TEMPORARY CONTROL MEASURES WHILE PROTECTING STABILIZED SURFACES.

1.02 SUBMITTALS

- A. SUBMIT PRODUCT DATA, WARRANTY, AND TEST REPORTS AS INDICATED ON THE DRAWINGS.
- B. SUBMIT SKETCH SHOWING LOCATIONS OF PROPOSED STOCKPILE AREAS, CONSTRUCTION ENTRANCES AND EROSION CONTROLS IF NOT SHOWN ON THE SITE PLAN OR DIFFERENT FROM THOSE LOCATIONS SHOWN ON THE SITE PLAN.
- C. A SITE SPECIFIC SEQUENCE OF CONSTRUCTION FOR EACH PORTION OF THE SITE. NO PORTION OF THE SITE SHALL EXCEED FIVE (5) ACRES.

1.03 QUALITY ASSURANCE

- A. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS FROM ACCEPTABLE MANUFACTURERS. USE EXPERIENCED INSPECTORS. DELIVER, UNLOAD, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- B. CONFORM TO CONDITIONS OF APPROVAL ISSUED BY REGULATORY AGENCIES INCLUDING, BUT NOT NECESSARILY LIMITED TO, LOCAL PLANNING BOARD, CONSERVATION COMMISSION, CITY COUNCIL, BOARD OF HEALTH, PUBLIC WORKS / HIGHWAY DEPARTMENT, STATE ENVIRONMENTAL PROTECTION DEPARTMENT, AND U.S. DEPARTMENT OF AGRICULTURE. OFFICIALS OF ANY AGENCY, WHERE CONDITIONS OF APPROVAL APPROVAL, OFFER FROM REQUIREMENTS CONTAINED HEREIN OR ON THE DRAWINGS, COMPLY WITH THE MORE STRINGENT REQUIREMENT.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. STRAW BALES: WEED FREE DRY GRASS OR STRAW, MACHINE BOUND WITH JUTE OR WIRE, APPROXIMATE SIZE EACH BALE 42" X 16" X 16". EACH BALE SHALL BE STAKED WITH A MINIMUM OF TWO 24" LONG HARDWOOD STAKES. NOTE: HAY SHALL NOT BE USED.
- B. STRAW WATTLES: NORTH AMERICAN GREEN MODEL WS1210 OR APPROVED EQUAL.
- C. SILT FENCE: NON-WOVEN, UV-RESISTANT, POLYPROPYLENE FABRIC, FLOW RATED AT 124 POUNDS MINIMUM, GRADEABLE RATED AT 124 POUNDS MINIMUM, WITH INTEGRAL STAKE LOOPS, AND HARDWOOD STAKES. USE NO. 2130 BY AMOCO FABRICS & FIBERS, OR APPROVED EQUAL.
- D. MULCH: ORGANICS INCLUDING STRAW, PROCESSED PINE / HEMLOCK TWIGS AND NEEDLES.
- E. SEED MIXES: SHALL MEET THE REQUIREMENTS OF MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, LATEST EDITION SECTION 6.03.0 OR 6.03.1 AS APPROPRIATE.
- F. EXCERLOSOR BLANKET: CURLED WOOD FIBER ON PHOTOGRAPHABLE EXTRUDED PLASTIC MATRIX, BOX OF FIBERS 6-INCHES LONG OR LONGER, WEIGHT 0.975 POUNDS / SQ. YD., CONTAINING NO CHEMICAL ADDITIVES. USE EXCERLOSOR BLANKET BY AMERICAN EXCERLOSOR COMPANY, OR APPROVED EQUAL.
- G. ROCK RIPRAP: SOUND, ANGULAR, 6-INCH MINUS PROCESSED ROCK, BLAST ROCK, OR TAILINGS.
- H. CRUSHED STONE: SOUND, ANGULAR, 2-INCH MINUS PROCESSED CRUSHED STONE.

PART 3 - EXECUTION

3.01 THROUGHOUT CONSTRUCTION

- A. DEVISE WORK SEQUENCE SO AS TO LIMIT DRAINAGE AREA THAT IS TRIBUTARY TO DISTURBED AREAS. DEVISE, EMPLOY, AND MAINTAIN CONTROL MEASURES SUCH AS DIVERSION CHANNELS AND BERMS, STRATEGICALLY LOCATED STOCKPILES, AND SEDIMENT BASINS TO SUBSIDE DRAINAGE AREAS INTO SMALL, MANAGEABLE SUBAREAS, THEREBY MINIMIZING RUNOFF AND THE POTENTIAL FOR EROSION.
- B. MAINTAIN BARRIER AT LIMIT OF WORK AND PROTECT EXISTING VEGETATION / FACILITIES OUTSIDE OF LIMIT OF WORK.
- C. MAINTAIN SPARE MATERIAL STOCKPILES FOR IMMEDIATE EMPLOYMENT / REPAIR / EXPANSION OF CONTROL MEASURES. AT A MINIMUM, SUCH MATERIALS SHALL INCLUDE HAY BALES, SILT FENCE AND STAKES, AND CRUSHED STONE.
- D. INSPECT AND MAINTAIN EFFECTIVENESS OF CONTROL MEASURES BY REPAIRING AS NECESSARY TO ENSURE INTENDED FUNCTION; BY SUPPLEMENTING AS NECESSARY FOR MAINTAIN EFFECTIVE TRAP VOLUME.
- E. LIMIT EXTENT OF WORK AREA SO THAT ALL DISTURBED AREAS CAN BE STABILIZED WITH CONTROL MEASURES WITHIN A 24-HOUR PERIOD.
- F. INSTALL CONTROL MEASURES AS SOON AS PRACTICABLE AFTER EACH MANAGEABLE PORTION OF EARTHWORK IS COMPLETE. EMPLOY TEMPORARY MEASURES AS NECESSARY TO STABILIZE DISTURBED AREAS, EVEN WHERE SUBSEQUENT CONSTRUCTION OPERATIONS MAY REQUIRE RE-DISTURBANCE.
- G. WHEN INTENSE RAINFALL IS EXPECTED, CONSIDER, DEVISE, AND EMPLOY REINFORCING CONTROL MEASURES PRIOR TO THE RAINFALL EVENT TO MEET THE REQUIREMENTS DESCRIBED IN 1.01.A. IF NECESSARY, EMPLOY TEMPORARY CONTROL MEASURES ON MATERIAL STOCKPILES TO COUNTERACT POTENTIAL SEDIMENT TRANSPORT DURING INTENSE RAINFALL.
- H. WHEN VEHICLE REFUELING IS REQUIRED ON SITE, CONDUCT REFUELING OPERATIONS OUTSIDE OF ENVIRONMENTALLY SENSITIVE AREAS.

CONSTRUCTION SEQUENCE PLAN

1. LIMIT OF CLEARING AND EROSION CONTROL WILL BE STAKED OUT BY A PROFESSIONAL LAND SURVEYOR PER THE APPROVED SITE PLANS.
2. EROSION CONTROLS WILL BE INSTALLED ALONG THE WETLANDS AREAS.
3. LOT WILL BE CLEARED UP TO THE LIMIT OF CLEARING FLAGS.
4. ALL TEMPORARY SETTLING BASIN WILL BE CONSTRUCTED TO CONTROL RUNOFF GENERATED DURING CONSTRUCTION.
5. PERMANENT BASIN TO BE CONSTRUCTED AND EROSION CONTROL TO BE PLACED UP GRADIENT TO PREVENT SEDIMENT FROM ENTERING THE PERMANENT BASIN.
6. SITE TO BE BROUGHT DOWN TO THE DESIRED ELEVATIONS PER GRADING PLAN.
7. DRAINAGE STRUCTURES TO BE INSTALLED STARTING AT THE LOWEST AREAS AND WORKING INTO THE SITE.
8. TEMPORARY BASIN TO BE CONSTRUCTED AS NEEDED TO CONTROL THE RUNOFF GENERATED FROM THE SITE AND DIRECTED TOWARD THE PERMANENT BASIN PRIOR TO ENTERING THE ADJACENT WETLANDS.
9. ONCE SITE HAS MET DESIRED GRADES AREAS TO BE STABILIZED.
10. EXISTING TREES TO BE CLEARED ALONG THE WETLANDS ONCE THE SITE HAS BEEN STABILIZED AND DRAINAGE STRUCTURES ARE CONSTRUCTED.
11. PROPOSED BUILDING TO BE CONSTRUCTED.
12. PAVE AREAS TO BE PAVED.
13. ONCE SITE IS COMPLETED PROFESSIONAL LAND SURVEYOR TO PERFORM AS-BUILT OF SITE AND SUBMIT TO THE STURBRIDGE CONSERVATION COMMISSION.

NOTES:

- [1] TO BE SILTSACK BY ATLANTIC CONSTRUCTION FABRICS, INC., OR APPROVED EQUAL.
- [2] TO BE INSTALLED IMMEDIATELY FOLLOWING THE INSTALLATION OF CATCH BASIN STRUCTURE AND REMAIN UNTIL FINISH COURSE IS PLACED.
- [3] FILTER BAG SHALL BE MAINTAINED AND CLEANED AS NEEDED.

P.E.

P.L.S.

APPROVAL UNDER SITE PLAN REVIEW.

STURBRIDGE PLANNING BOARD

BEING A MAJORITY

APPROVAL DATE:

ENDORSEMENT DATE:

PART 3 - CONTINUED

1. PROPERLY DISPOSE OF DEBRIS, SOLID WASTE, TRASH, AND CONSTRUCTION WASTE / BYPRODUCTS OFF SITE.

J. SWEEP ON-SITE PAVED AREAS AND OFF-SITE STREETS AS NECESSARY TO PREVENT SILT AND DEBRIS ORIGINATING ON SITE FROM ENTERING CLOSED DRAINAGE SYSTEMS AND / OR ENVIRONMENTALLY SENSITIVE AREAS. WHEN NECESSARY UTILIZE WATER SPRAYING, SURFACE ROUGHENING AND/OR APPLY POLYMERS, SPRAY-ON TACKERS, CHLORIDES AND BARRIERS FOR DUST CONTROL.

K. INSPECT EROSION CONTROLS DAILY THROUGHOUT CONSTRUCTION REPAIR DAMAGED CONTROLS IMMEDIATELY.

3.02 SITE PREPARATION AND ACCESS

A. WALK SITE AND IDENTIFY LOCATIONS OF LIMIT OF WORK AND ENVIRONMENTALLY SENSITIVE AREAS. ESTABLISH CONSTRUCTION STAGING AREA, LOCATED BEYOND ENVIRONMENTALLY SENSITIVE AREAS.

B. INSTALL CONTROL MEASURES AS SHOWN ON THE DRAWINGS, INCLUDING THOSE DEFINING THE LIMIT OF WORK.

C. LIMIT VEHICULAR TRAFFIC TO AND FROM SITE TO MINIMIZE TRANSPORT OF SEDIMENT.

3.03 CLEARING, GRUBBING, AND STRIPPING

A. SCHEDULE GRUBBING AND STRIPPING TO OCCUR IMMEDIATELY PRIOR TO EARTH DISTURBANCE. DEPENDING ON SITE AREA, CONSIDER MULTIPLE GRUBBING PHASES, SEQUENCED TO TAKE ADVANTAGE OF THE EROSION PREVENTION POTENTIAL OF EXISTING VEGETATIVE COVER.

B. MINIMIZE THE AREA OF EXISTING VEGETATION REMOVED WHEREVER POSSIBLE. NO GREATER THAN FIVE (5) ACRES SHALL BE UNSTABLE AT ANY TIME.

C. LOCATE AND SITE STOCKPILES TO MINIMIZE EROSION POTENTIAL, TAKING ADVANTAGE OF TERRAIN SLOPE AND ASPECT, WHERE APPROPRIATE.

D. PROTECT VEGETATION, INCLUDING ROOT SYSTEMS, BEYOND LIMIT OF CLEARING.

E. PROCESS TIMBER, STUMPS, SLASH, AND BRUSH SO AS TO PROTECT ENVIRONMENTALLY SENSITIVE AREAS AND INSTALLED CONTROL MEASURES. PROPERLY DISPOSE OF EXCESS OFF-SITE. BURIAL OF STUMPS ON SITE IS PROHIBITED.

3.04 EXCAVATION FOR BUILDING FOUNDATIONS AND UTILITIES

A. DEVISE AND INSTALL CONTROL MEASURES ADEQUATE TO HANDLE DISCHARGES AND TRAP SEDIMENT FROM FOOTING SLUMP AND WELL POINT PUMPS PRIOR TO EXCAVATION.

B. ARMOR SLUMP PUMP DISCHARGE LOCATIONS TO PREVENT EROSION AT POINT OF DISCHARGE AND AREAS DOWNSTREAM.

C. IF FOUNDATION EXCAVATIONS GRADE TO DAYLIGHT ON THE LOW SIDE, DEVISE AND INSTALL CONTROL MEASURES TO HANDLE SURFACE AND GROUNDWATER FLOW FROM EXCAVATION LOW POINT.

D. STOCKPILE EXCAVATED MATERIALS TO BAFFLE OVERLAND RUNOFF, AVOIDING THE CREATION OF LEACHERY PATHS OF CONCENTRATED RUNOFF. STOCKPILE SLOPES SHALL NOT EXCEED 2:1.

E. BACKFILL UTILITY TRENCHES AS SOON AS PRACTICABLE TO PREVENT FLOODING, SLOUGHING, POTENTIAL OVERFLOW, AND REPETITIVE EARTH DISTURBANCE.

3.05 SITE GRADING

A. WHERE APPLICABLE, FOLLOW EXCAVATION AND FILL PRACTICES SHOWN ON DRAWINGS TO LOCALIZE AND MINIMIZE EROSION.

B. MONITOR SEDIMENT VOLUME IN TEMPORARY SEDIMENT BASINS AND AT DIVERSION BERMS AND CHECK DAMS. IN ALL AREAS EXCEPT THOSE THAT DO NOT PRESENT POTENTIAL PROBLEMS WITH REGARD TO FUTURE SOIL STABILITY, DRAINAGE, OR BEARING CAPACITY, REMOVE AND PROPERLY DISPOSE OF TRAPPED SEDIMENT BEFORE BRINGING SITE TO FINAL SUBGRADE.

C. EXPOSED SOILS SHALL BE PERMANENTLY STABILIZED WITHIN FIVE (5) BUSINESS DAYS OF COMPLETION OF CONSTRUCTION OF A GIVEN AREA. EXPOSED AREAS WHERE NO WORK HAS OCCURRED FOR FOURTEEN (14) DAYS SHALL BE TEMPORARILY STABILIZED WITH HYDROSEED OR OTHER APPROVED METHOD.

D. SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED IMMEDIATELY AFTER COMPLETION.

3.06 LANDSCAPING

A. COMPLETE LANDSCAPING AS SOON AS POSSIBLE AFTER COMPLETION OF FINAL SUBGRADE.

B. IMMEDIATELY AFTER PLACEMENT OF TOPSOIL, STABILIZE WITH CONTROL MEASURES INCLUDING, BUT NOT NECESSARILY LIMITED TO, SEED MIX, MULCH, AND / OR BLANKET.

C. PERMANENT SEEDING MAY BE PERFORMED IN THE SPRING PRIOR TO JULY 1 AND IN BETWEEN AUGUST 1 AND OCTOBER 15. PERMANENT SEEDING AT OTHER TIMES SHALL BE APPROVED AND SHALL ONLY BE ALLOWED WITH AN APPROVED MULCHING AND IRRIGATION PROGRAM.

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SHEET TITLE

EROSION CONTROL

PLAN

DEFINITIVE SITE PLAN

at

150 CHARLTON ROAD

(ROUTE 20)

STURBRIDGE, MA

PREPARED FOR

INTERSTATE TOWING

SHEET NO.

C-7.0

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

1 inch = 40 feet



Room Summary		
Label	Wall Ht.	Description

Luminaire Schedule					
Symbol	Label	Lum. Lumens	Lum. Watts	LLF	Description
	S1	6460	52	0.900	LUMARK: PRV-C15-D-UNV-T3-BZ-HSS
	S2	6437	52	0.900	LUMARK: PRV-C15-D-UNV-T4-BZ-HSS
	WP	1418	12.2	0.900	LUMARK: XTOR1B

Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
SITE_Planar	Fc	0.12	4.9	0.0	N.A.	N.A.

7 Title St, Boston, MA 02215

Drawn By: Lisa Hayes

Checked By:

Date:

Specified:

Scale: NTS

150 Charlton Street

Sturbridge, MA

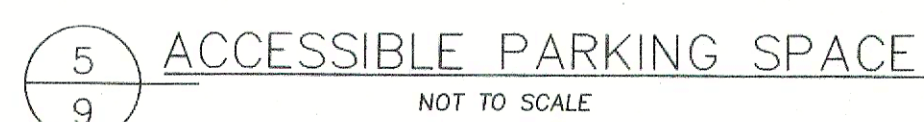
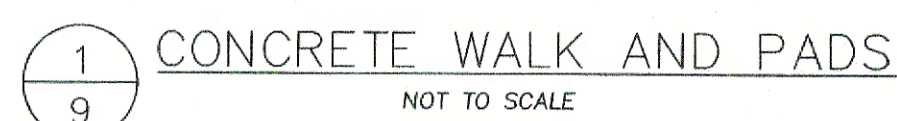
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Date: XX/XX

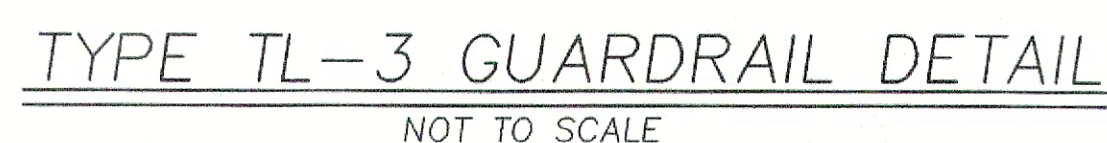
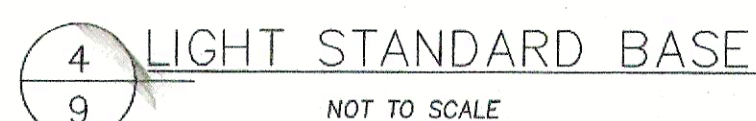
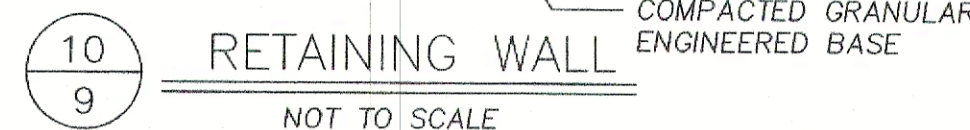
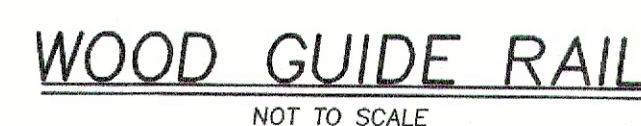
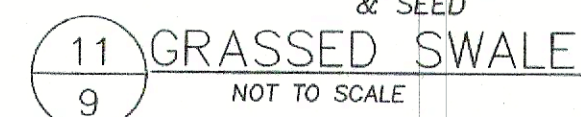
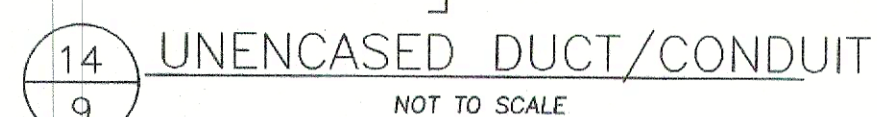
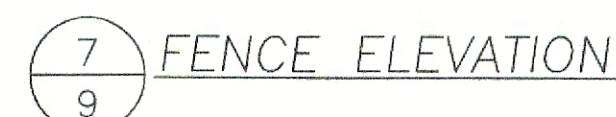
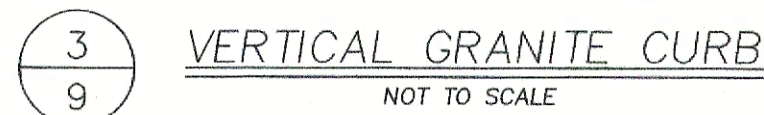
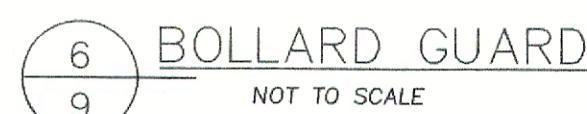
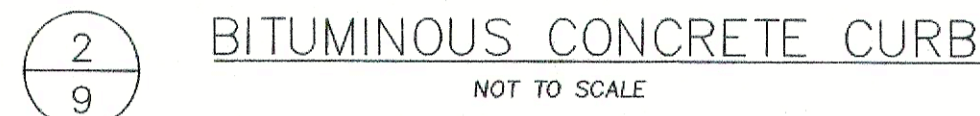
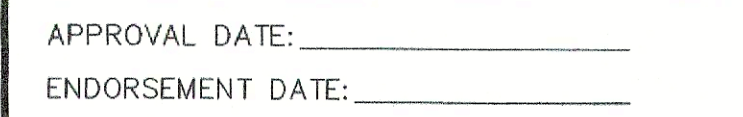
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Revisions

Page 1 of 1

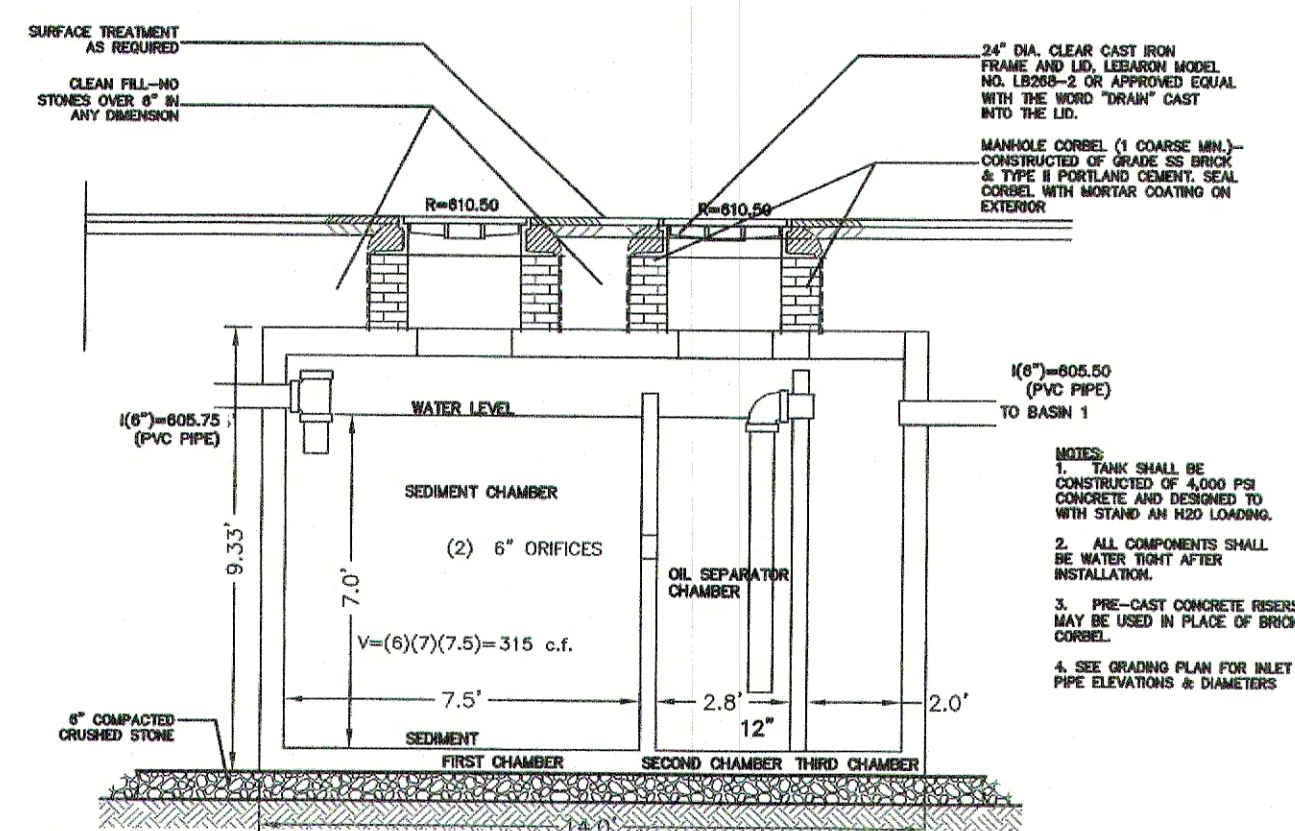


- 12 TYPICAL BREAKAWAY SIGN POST
9

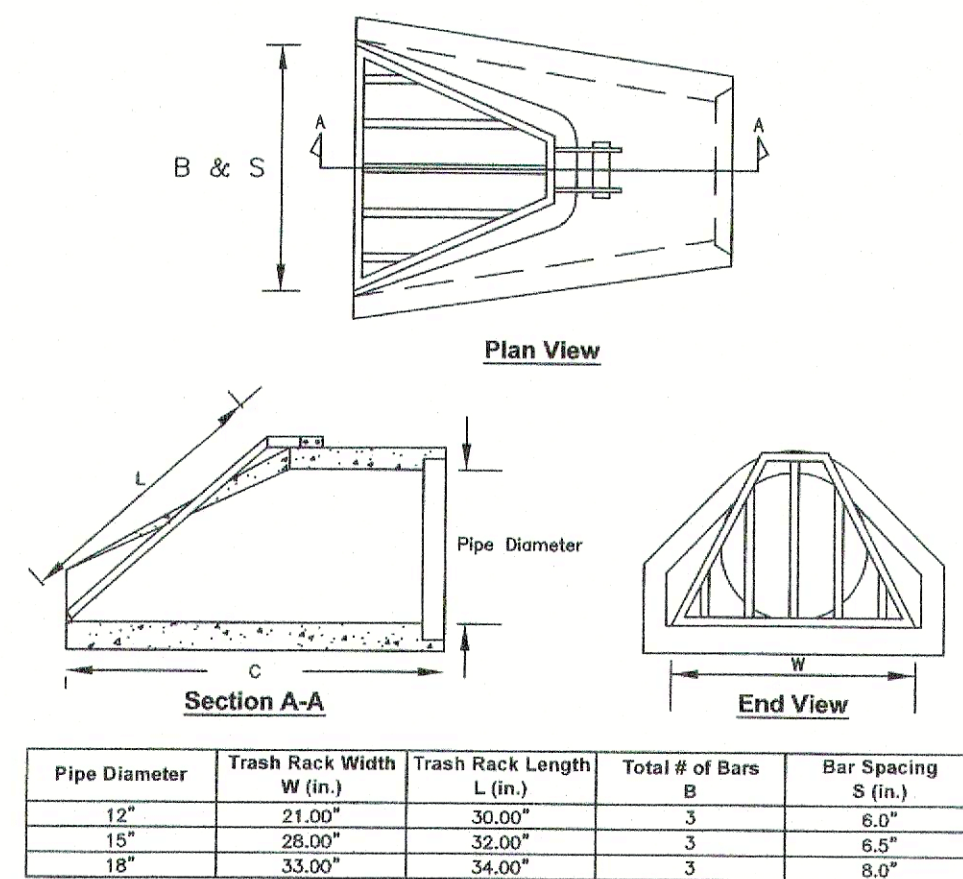


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P.(508) 987-8710 F.(508) 987-8714
SHEET TITLE
DETAIL SHEET#1
DEFINITIVE SITE PLAN at 150 CHARLTON ROAD (ROUTE 20) STURBRIDGE, MA PREPARED FOR INTERSTATE TOWING
SHEET NO.

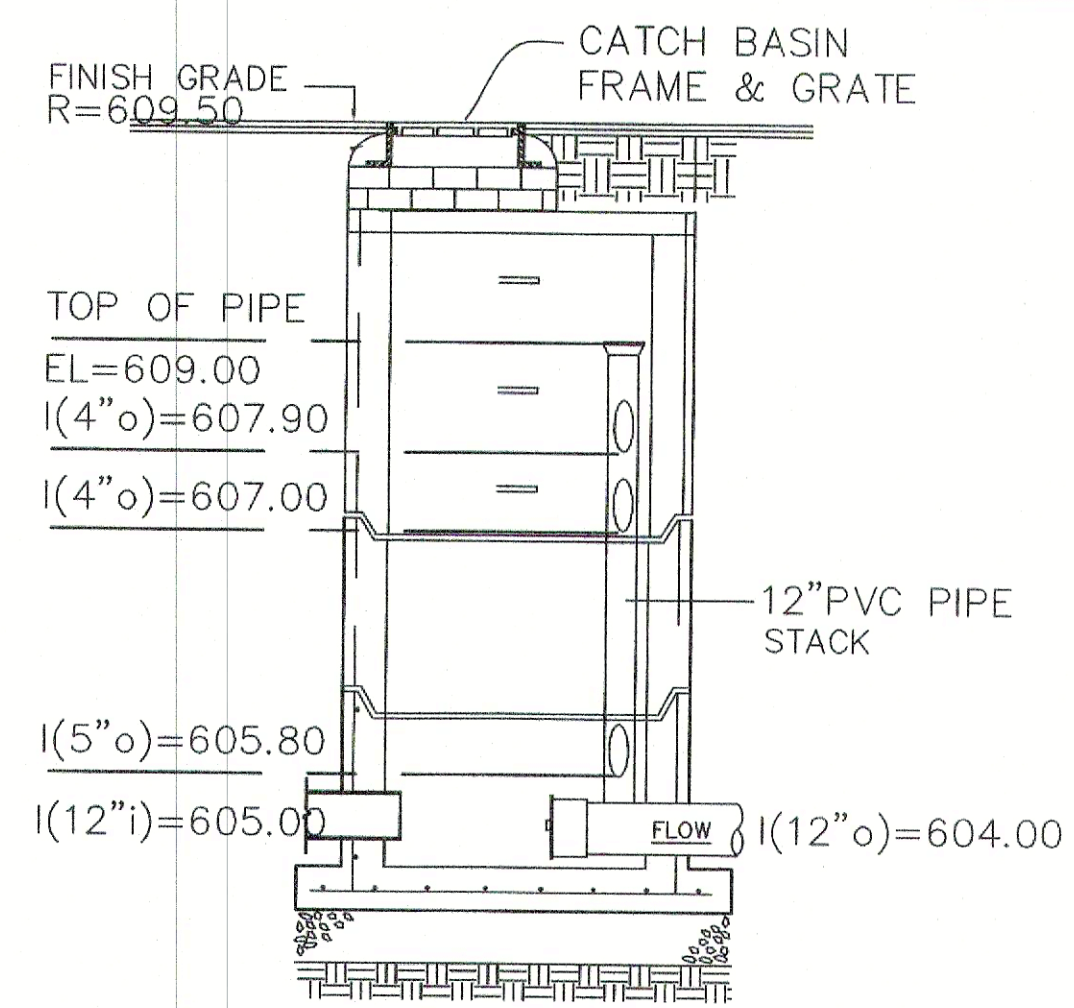
C-9.0



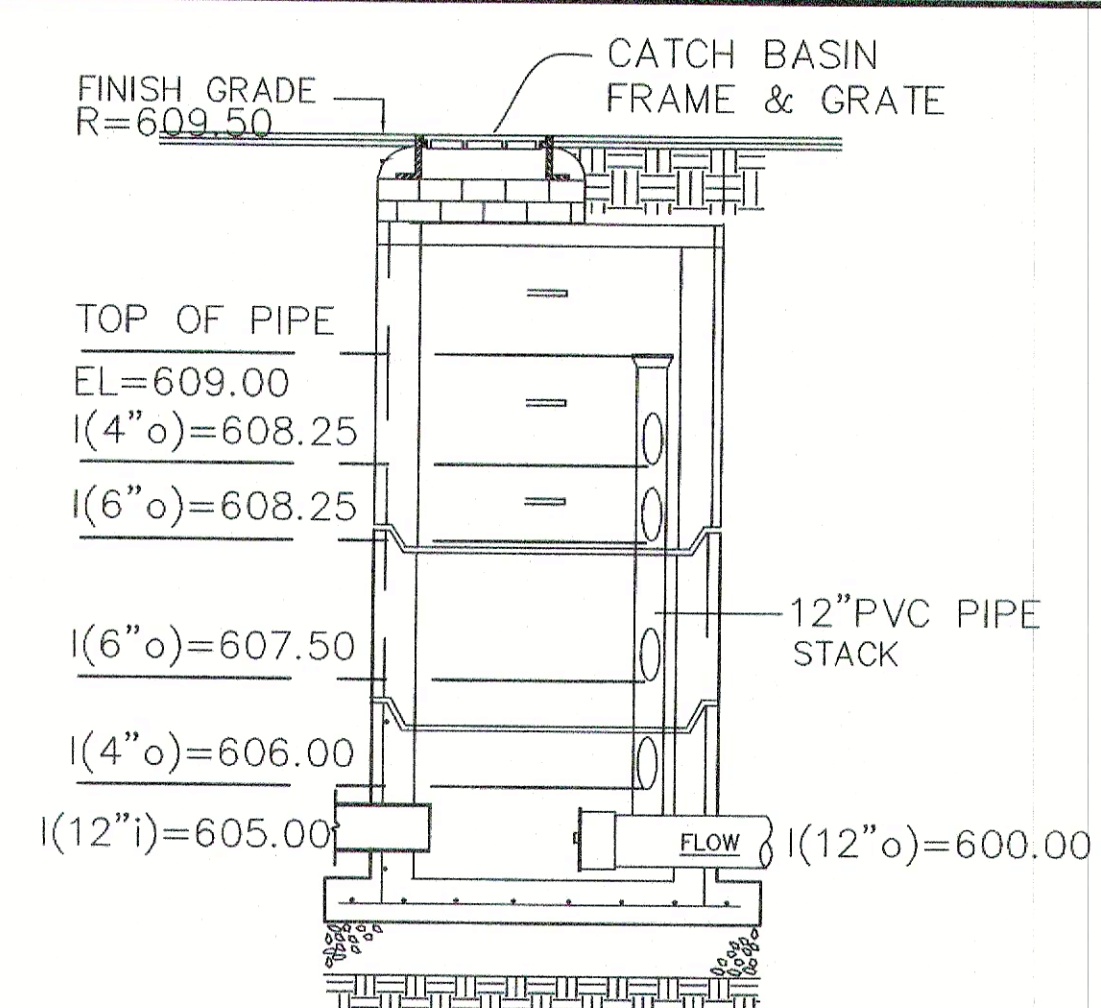
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10 OIL/WATER SEPARATOR ST#1
NOT TO SCALE



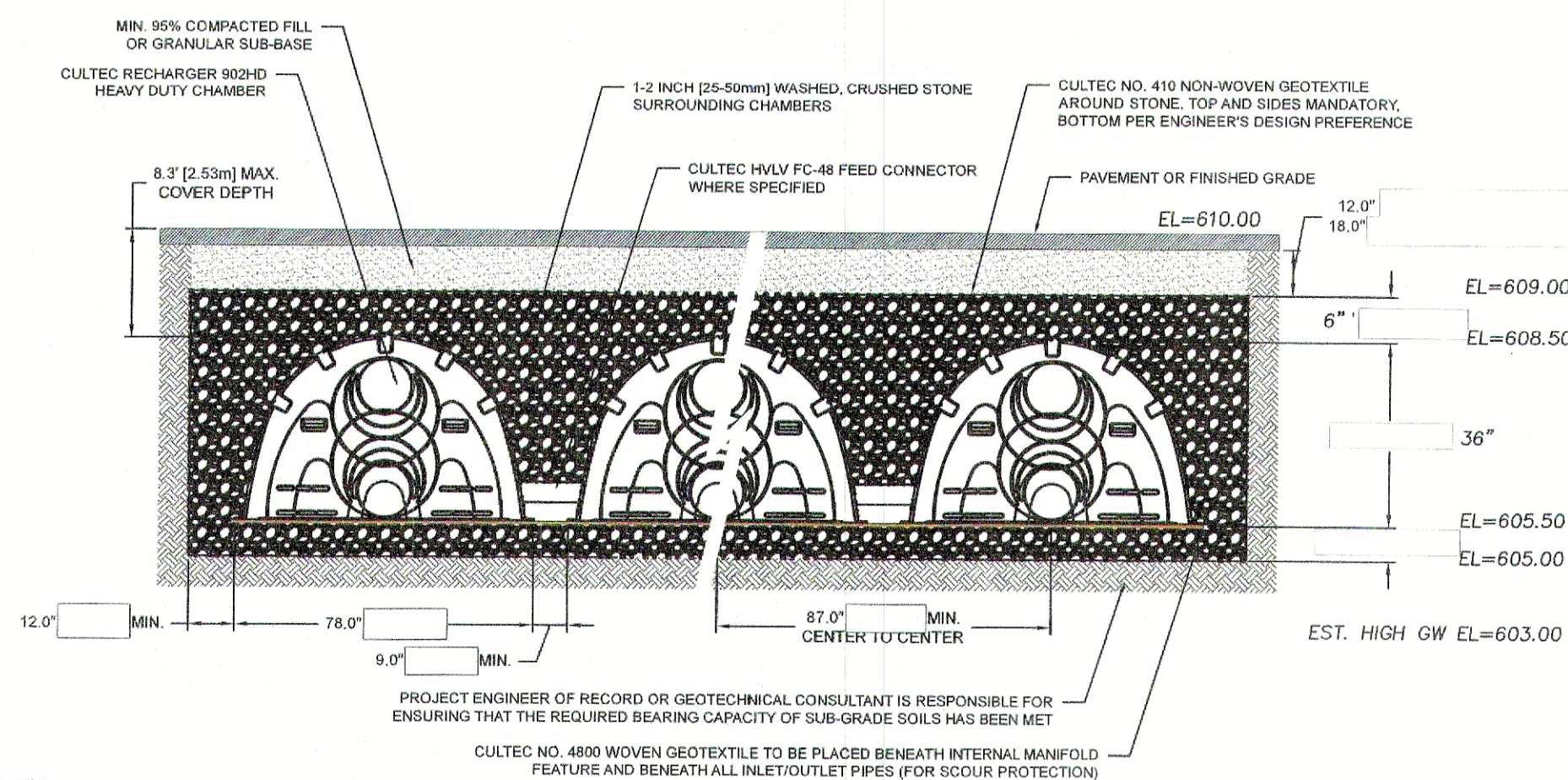
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10 PIPE TRASH GUARD
NOT TO SCALE



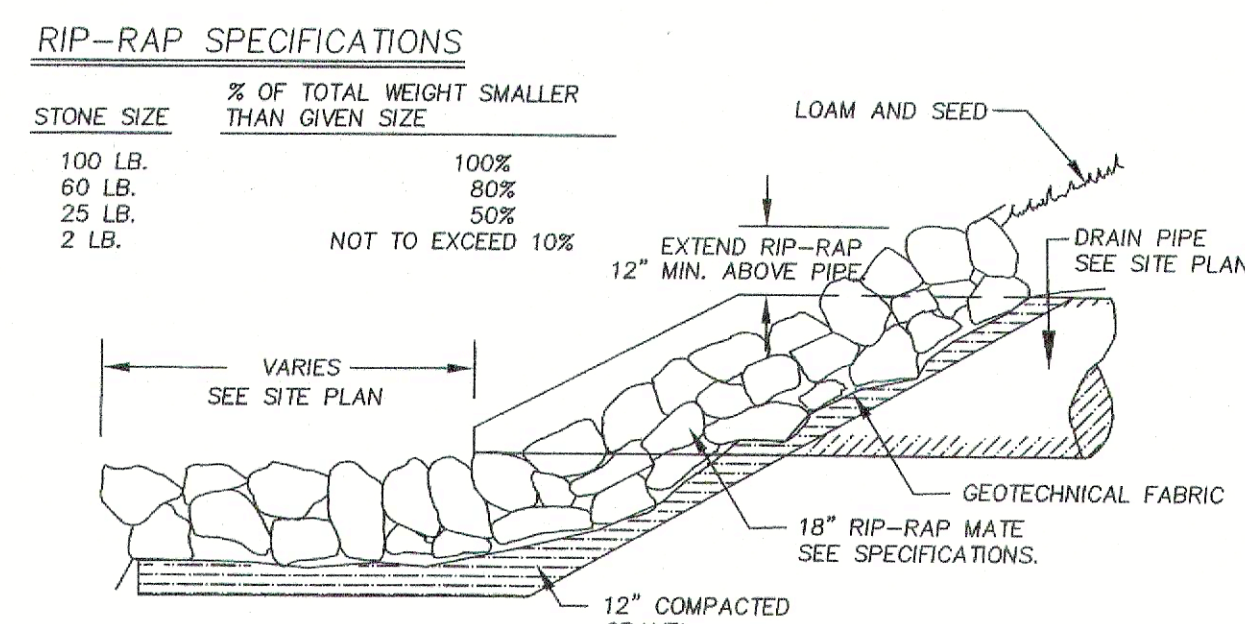
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10 OUTLET CONTROL STRUCTURE BASIN#1
NOT TO SCALE



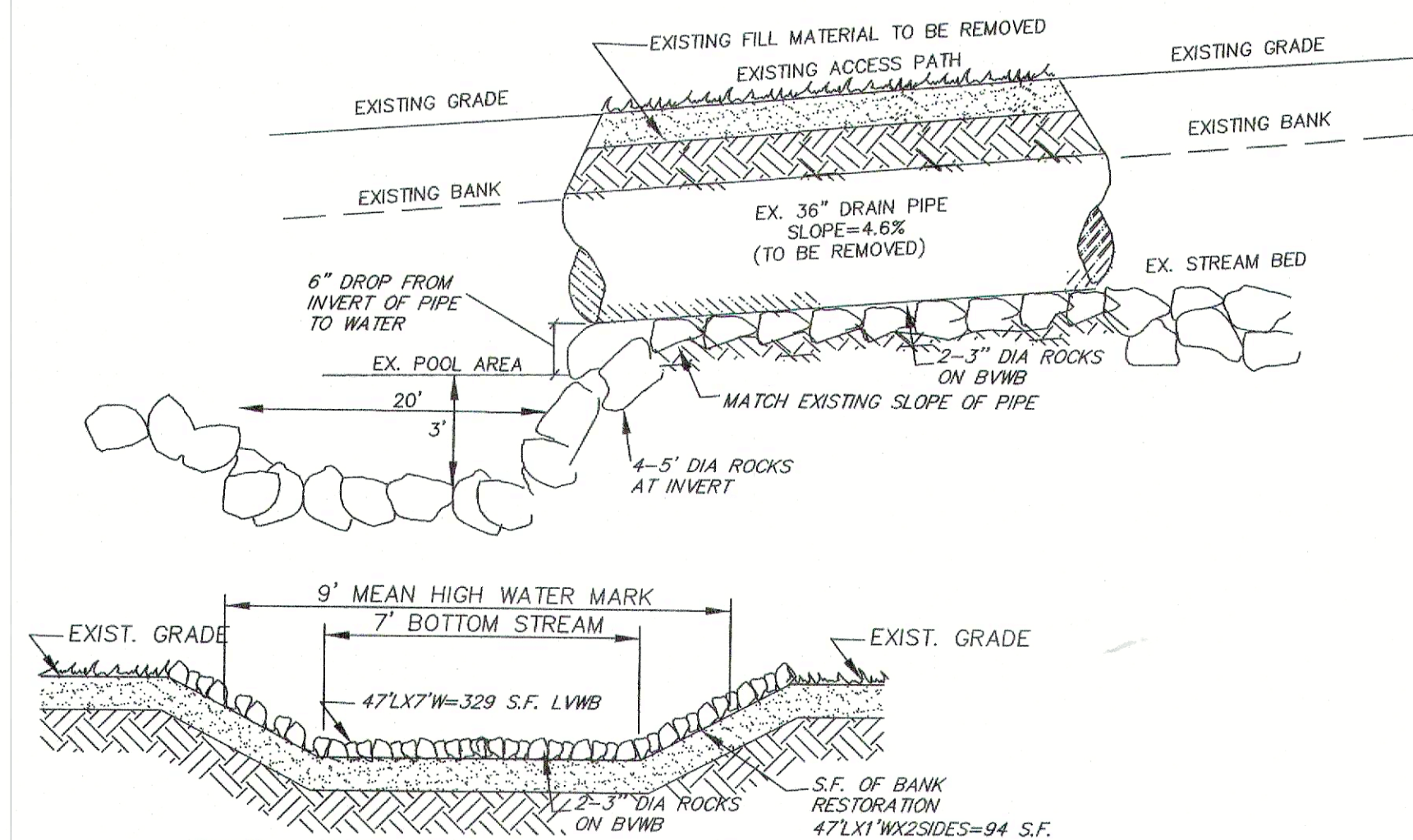
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NOT TO SCALE



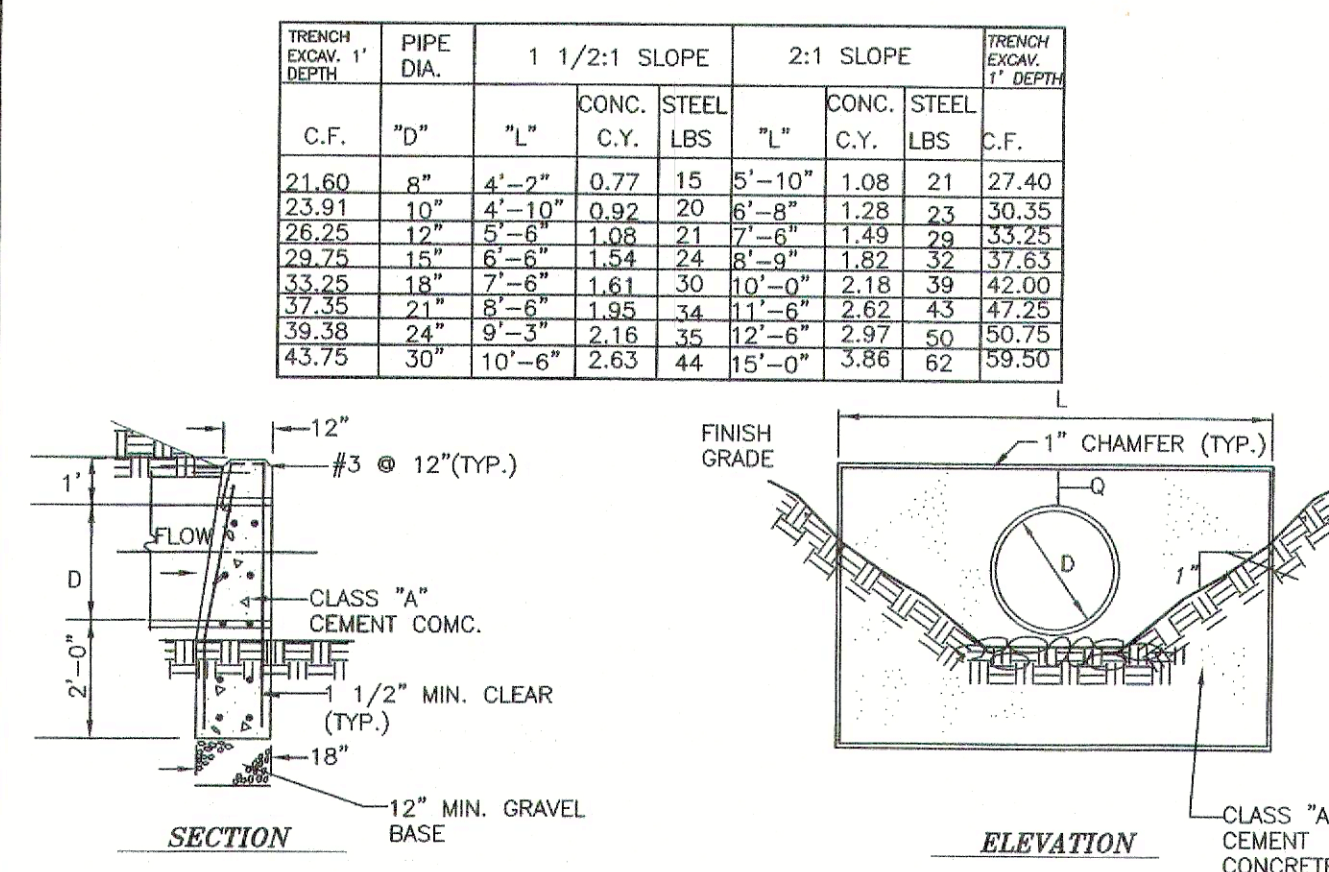
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10 BASIN#1 & 2
CULTEC RECHARGER 902HD
NOT TO SCALE



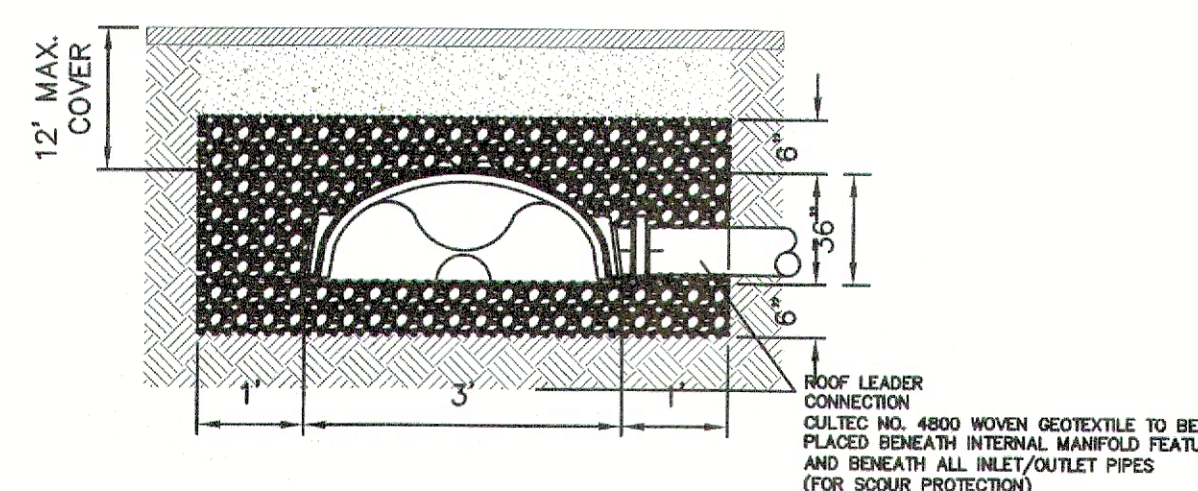
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10 FLARED END RIP RAP OUTLET
NOT TO SCALE



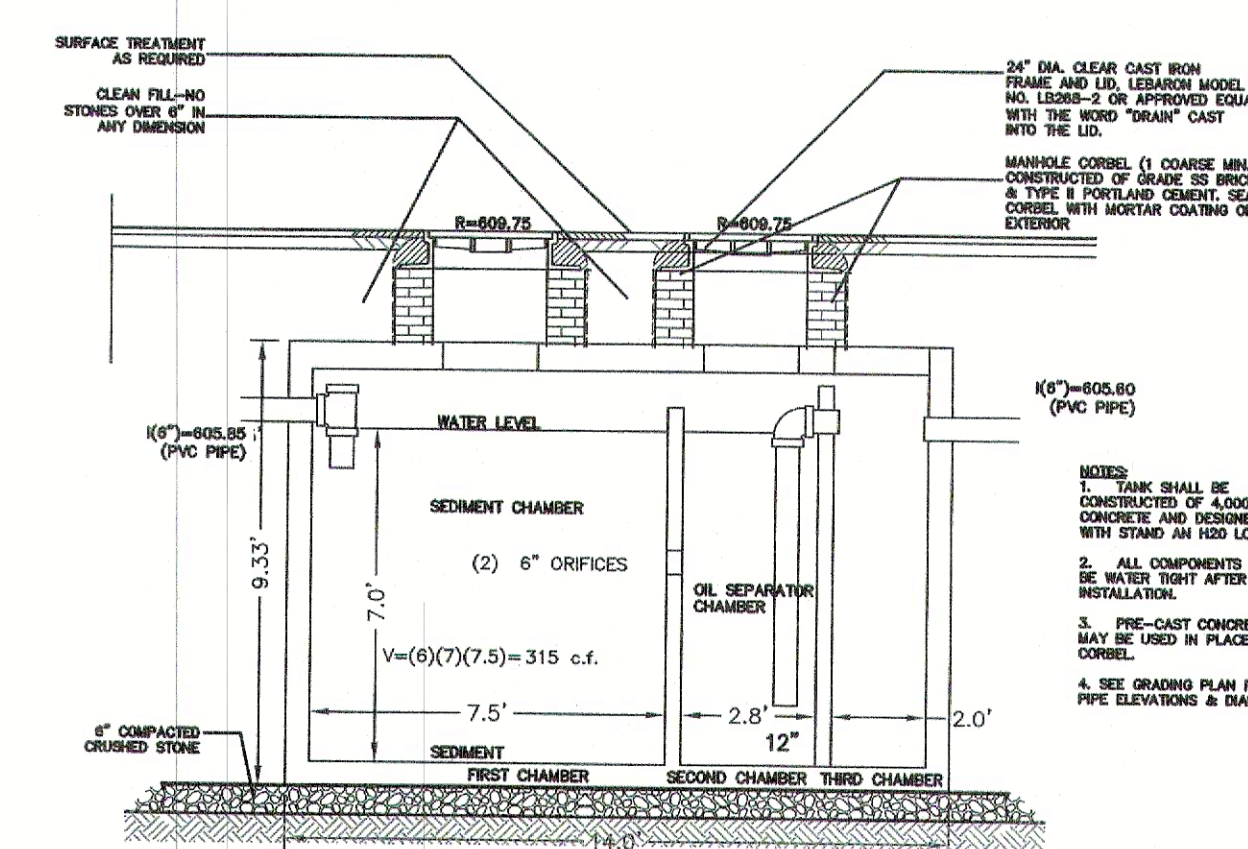
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10 EXISTING CROSSING RESTORATION



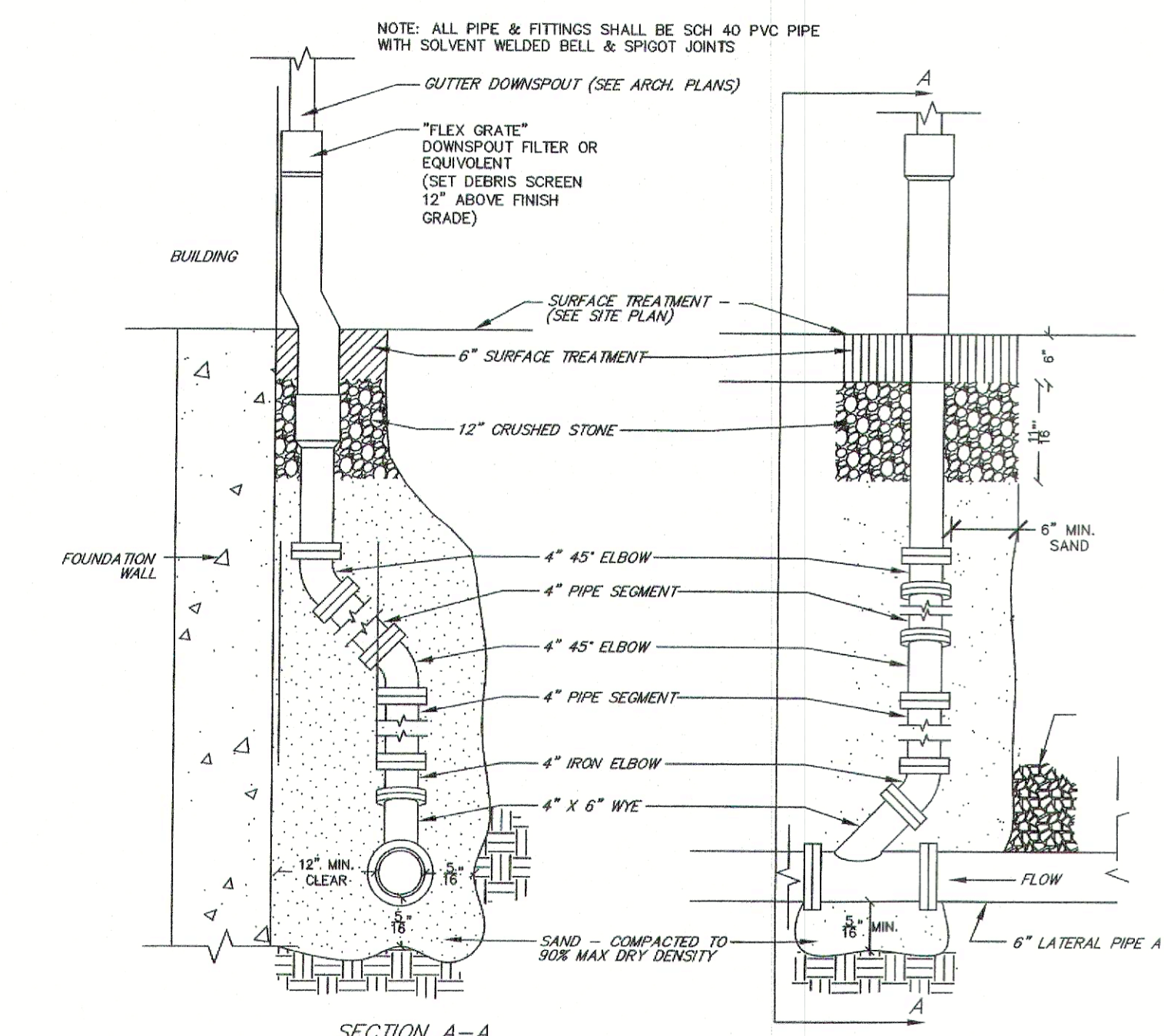
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10 TYP. CONCRETE HEADWALL DETAIL
N.T.S.
NOTE: DEBRIS GRATE REQUIRED ON ALL PIPES WITH A DIAMETER GREATER THAN 36"



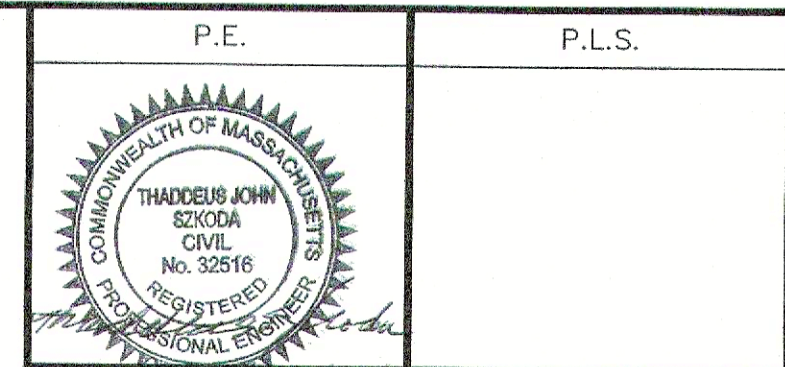
ROOF DRAIN RECHARGE TRENCH
NOT TO SCALE



11
10 OIL/WATER SEPARATOR ST#2
NOT TO SCALE



3
10 ROOF DRAIN CONNECTION
NOT TO SCALE



APPROVAL UNDER SITE PLAN REVIEW.
STURBRIDGE PLANNING BOARD
BEING A MAJORITY

APPROVAL DATE: _____
ENDORSEMENT DATE: _____

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OXFORD, MA 01537
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SHEET TITLE
DETAIL SHEET#2

DEFINITIVE SITE PLAN
at
150 CHARLTON ROAD
(ROUTE 20)
STURBRIDGE, MA
PREPARED FOR
INTERSTATE TOWING

SHEET NO.

C-10.0

REVISIONS		
REV.	DATE	DESCRIPTION
2	2/24/22	REVISED PER COMMENTS.
PROJECT NO. 20-409		
DESIGNED BY PML		
CHECKED BY AB		
DATE 9/13/21		
CAD FILE 19-288_150 CHARLTON ST. SITE		

PREPARED BY:	
SUMMIT Engineering & Survey, Inc. 710 MAIN STREET OXFORD, MA 01537 P:(508) 987-8703 F:(508) 987-8704	
SHEET TITLE	
DETAIL SHEET#3	
DEFINITIVE SITE PLAN at 150 CHARLTON ROAD (ROUTE 20) STURBRIDGE, MA PREPARED FOR INTERSTATE TOWING	
SHEET NO.	
C-11.0	



n/t
NULL

n/t
MASS TURNPIKE AUTHORITY
ASSESSORS ID: 320-02243-001
#1 HARE ROAD

LOT 2-R
LOT AREA=6.18 ACRES
(269,200 S.F.)
UPLAND AREA=223,535 S.F.

PROPOSED
BUILDING
AREA=1,000 S.F.
SL=614.00

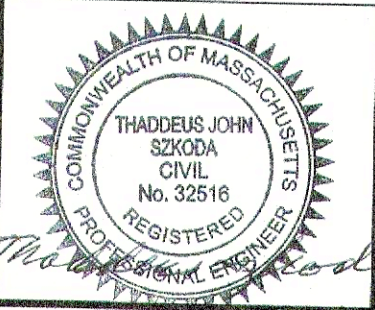
n/t
STURBRIDGE ANTIQUE SHOPS, LLC
Bk: 27643 Pg.20
ASSESSORS ID: 208-02253-128
#128 CHARLTON ROAD

n/t
G5 ENTERPRISES, LLC
Bk: 59975 Pg.151
ASSESSORS ID: 208-02612-174
#174 CHARLTON ROAD



DIG SAFE NOTE:

UTILITIES ARE PLOTTED FROM FIELD LOCATION AND ANY RECORD INFORMATION AVAILABLE AND SHOULD BE CONSIDERED APPROXIMATE. OTHER UTILITIES MAY EXIST WHICH ARE NOT INDICATED OR FOR WHICH RECORD INFORMATION WAS NOT AVAILABLE. CONTRACTORS (IN ACCORDANCE WITH MASS.G.L. CHAPTER 82 SECTION 40 AS AMENDED) MUST CONTACT ALL UTILITY COMPANIES BEFORE EXCAVATING AND DRILLING. ALSO, CALL "DIG-SAFE" AT 1(800)344-7233 1(603)888-0000 (DIG-SAFE).
EXISTING LINES OTHER THAN THOSE INDICATED ON THESE DRAWINGS MAY BE ON THE SITE. THE CONTRACTOR IS WARNED TO PROCEED WITH CAUTION WITH ALL WORK, ESPECIALLY EXCAVATION WORK, AND TO MAKE ALL POSSIBLE INVESTIGATIONS AS TO POSSIBLE UNMARKED UTILITY LINES.

P.E.	P.L.S.
<div> APPROVAL UNDER SITE PLAN REVIEW. STURBRIDGE PLANNING BOARD BEING A MAJORITY _____ _____ _____ _____ _____ _____ APPROVAL DATE: _____ ENDORSEMENT DATE: _____</div>	
<div>LEGEND ● IRON PIPE FOUND ○ DRILL HOLE FOUND ■ STONE OR CONCRETE MONUMENT ○ SEWER MANHOLE ○ DRAIN MANHOLE ○ ELECTRIC MANHOLE ○ TELEPHONE MANHOLE ○ WATER MANHOLE ○ UNDETERMINED MANHOLE ○ CATCH BASIN ○ CLEANOUT ○ MONITORING WELL ○ ANCHOR ○ UTILITY POLE ○ WATER GATE VALVE ○ WATER SHUT OFF ○ HYDRANT ○ BENCHMARK ○ GAS VALVE ○ SIGN ○ LIGHT POLE / LAMP POST ○ SPOT LIGHT ○ MAILBOX (MBX) ○ BOLLARD ○ OBSERVATION TEST PIT ○ HYDRAULIC TEST PIT ○ BORING TEST PIT ○ SHRUBS, BUSHES, ETC. ○ DECIDUOUS TREE ○ CONIFEROUS TREE ○ WETLAND FLAG ○ BOULDER ○ VERTICAL GRANITE CURBING ○ CONCRETE CURBING ○ CAPE COD BERM (BITUMINOUS) ○ BITUMINOUS CURBING (GENERIC) --- E-E-E-E-E-E-E-E-E-E --- ELECTRIC LINE --- S-S-S-S-S-S-S-S-S-S --- SEWER LINE --- D-D-D-D-D-D-D-D-D-D --- DRAIN LINE --- W-W-W-W-W-W-W-W-W-W --- WATER LINE --- G-G-G-G-G-G-G-G-G-G --- GAS LINE --- T-T-T-T-T-T-T-T-T-T --- TELEPHONE LINE --- F-F-F-F-F-F-F-F-F-F --- FIRE PROTECTION LINE --- OHW-OHW-OHW-OHW-OHW-OHW --- OVERHEAD WIRES --- C-C-C-C-C-C-C-C-C-C --- CABLE TELEVISION --- RD-RD-RD-RD-RD-RD --- ROOF DRAIN --- STONEWALL --- X-X-X-X-X-X-X-X-X-X --- EDGE OF PAVEMENT --- FENCING (AS NOTED) --- GUARD RAILING (AS NOTED) --- TREE LINE --- EDGE OF LANDSCAPING --- BORDERING VEGETATED WETLAND --- PROPERTY LINE --- SSD-SSD-SSD-SSD-SSD --- SUBSURFACE DRAIN</div>	
PREPARED BY: SUMMIT Engineering & Survey, Inc. 710 MAIN STREET OXFORD, MA 01537 P(508) 987-8775 F(508) 987-8774	
SHEET TITLE TRUCK TURNING PLAN	
DEFINITIVE SITE PLAN at 150 CHARLTON ROAD (ROUTE 20) STURBRIDGE, MA PREPARED FOR INTERSTATE TOWING	
SHEET NO. C-13.0	

REVISIONS		
REV.	DATE	DESCRIPTION
2	2/24/22	REVISED PER COMMENTS.
1	1/20/22	REVISED PER COMMENTS.

PROJECT NO.	20-409
DESIGNED BY	PML
CHECKED BY	AB
DATE	8/5/21
CAD FILE	19-288_150 CHARLTON ST. SITE

GRAPHIC SCALE	
(IN FEET)	
40	0 20 40 80
1 inch = 40 feet	

CHARLTON ROAD - ROUTE 20
(PUBLIC 1969 STATE HIGHWAY LAYOUT)