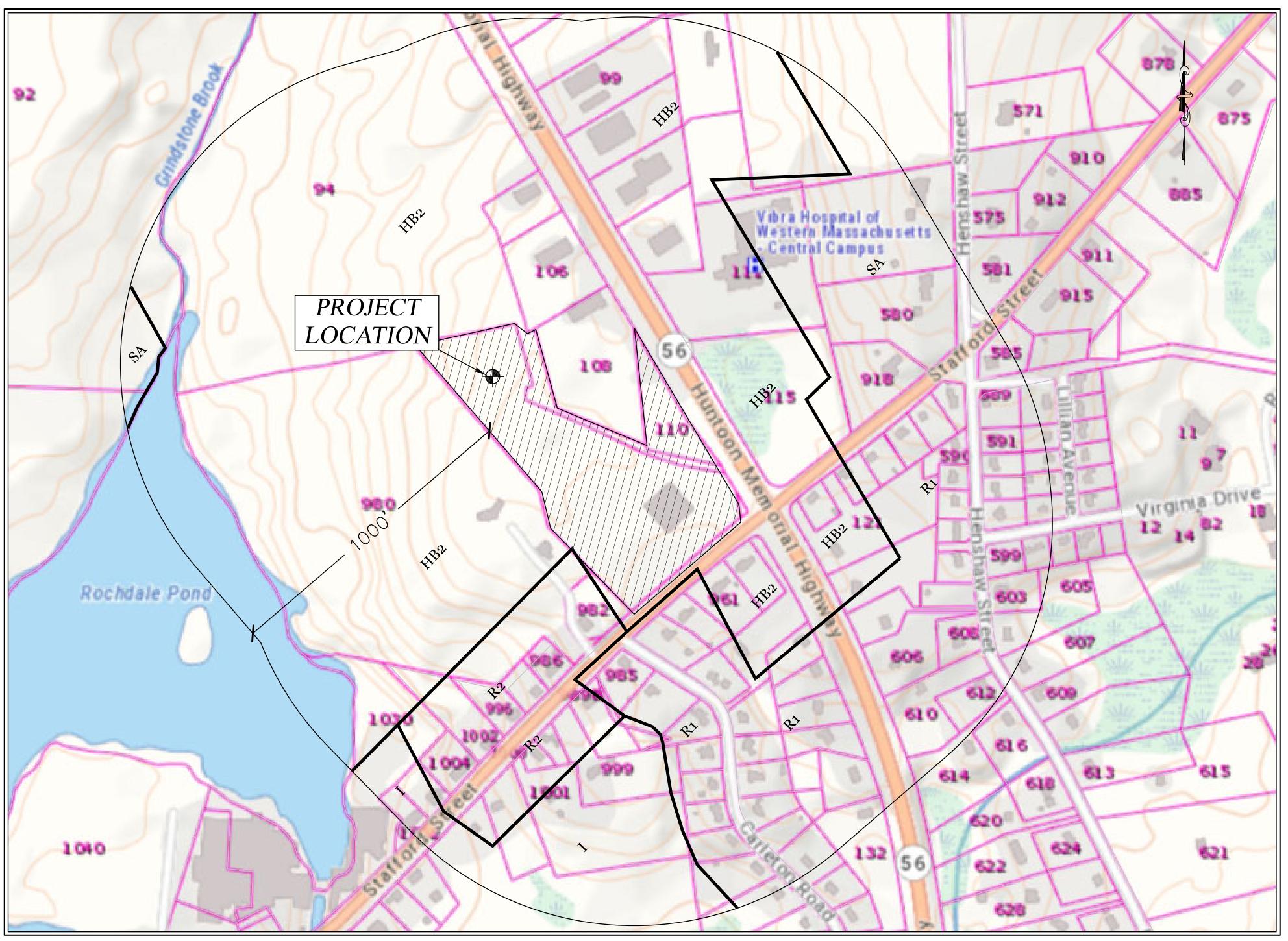
SITE PLAN MODIFICATION GRAVEL PARKING EXPANSION

CENTRAL MASS CRANE 112 HUNTOON MEMORIAL HIGHWAY ROCHDALE, MA 01542



SITE LOCUS 1" = 200'

DRAWING INDEX

C-1 TITLE SHEET

C-4 EROSION AND SEDIMENTATION CONTROL PLAN

C-5 CONSTRUCTION DETAILS

APPLICANT / PROPERTY INFORMATION:

APPLICANT: CENTRAL MASS CRANE 112 HUNTOON MEMORIAL HIGHWAY ROCHDALE, MA 01542-0338

OWNER: HUNTOON HIGHWAY, LLC. 112 HUNTOON MEMORIAL HIGHWAY ROCHDALE, MA 01542-0338

ASSESSORS ID: 46-A-1.2, 44-A-7 (FORMERLY), 44-A-10 DEED REFERENCE: WORCESTER COUNTY REGISTRY OF DEEDS DEED BOOK 52916, PAGE 330 DEED BOOK 64563, PAGE 143 DEED BOOK 63722, PAGE 154 PLAN BOOK 897 PLAN 103 PLAN BOOK 953 PLAN 19 PLAN BOOK 954 PLAN 101

PROJECT ENGINEER: PETER ENGLE, P.E. MCCLURE EINGINEERING, INC. 119 WORCESTER ROAD CHARLTON, MA 01507 PHONE: (508)-248-2005

PROJECT SURVEYOR: MARK LAPRAD, P.L.S. MCCLURE ENGINEERING, INC. 119 WORCESTER ROAD CHARLTON, MA 01507 PHONE: (508)-248-2005

GENERAL NOTES:

1. THE BASE PLAN FOR THIS DESIGN WAS COMPILED FROM AN ON THE GROUND SURVEY CONDUCTED BY MCCLURE ENGINEERING ON DATE AND SUPPLEMENTED WITH TOPOGRAPHY TAKEN FROM 2013-2014 USGS LIDAR: POST SANDY (MA, NH, RI) TAKEN FROM NOAA ON LINE DATA ACCESS VIEWER.

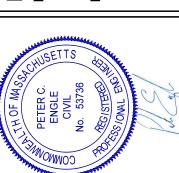
2. ELEVATIONS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988.

3. HORIZONTAL CONTROL IS BASED UPON THE NORTH AMERICAN DATUM OF 1983.

4. PROPERTY IS LOCATED WITHIN THE HB2 DISTRICT AND HAS THE FOLLOWING DIMENSIONAL REQUIREMENTS: MINIMUM LOT AREA: 45,00 45,000 S.F. MINIMUM LOT FRONTAGE: 200' FEET MINIMUM YARD SETBACKS (FRONT/SIDE/REAR): 50'/50'/50' MAXIMUM BUILDING HEIGHT: MAXIMUM STORIES: MAXIMUM COVERAGE:

5. PROPERTY DOES NOT LIE WITHIN THE SPECIAL FLOOD HAZARD AREA. FOR REFERENCE SEE THE NATIONAL FLOOD INSURANCE PROGRAM RATE MAP NO. 25027C0784E FOR COMMUNITY NO. 250313 AND DATED JULY 4, 2011.

6. THIS PLAN IS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO ANY MATTERS THAT SUCH A REPORT MAY DISCLOSE.



DRAWN BY: 8.20.21 1"=200' PROJ. NO. 151-2415-M

TITLE SHEET

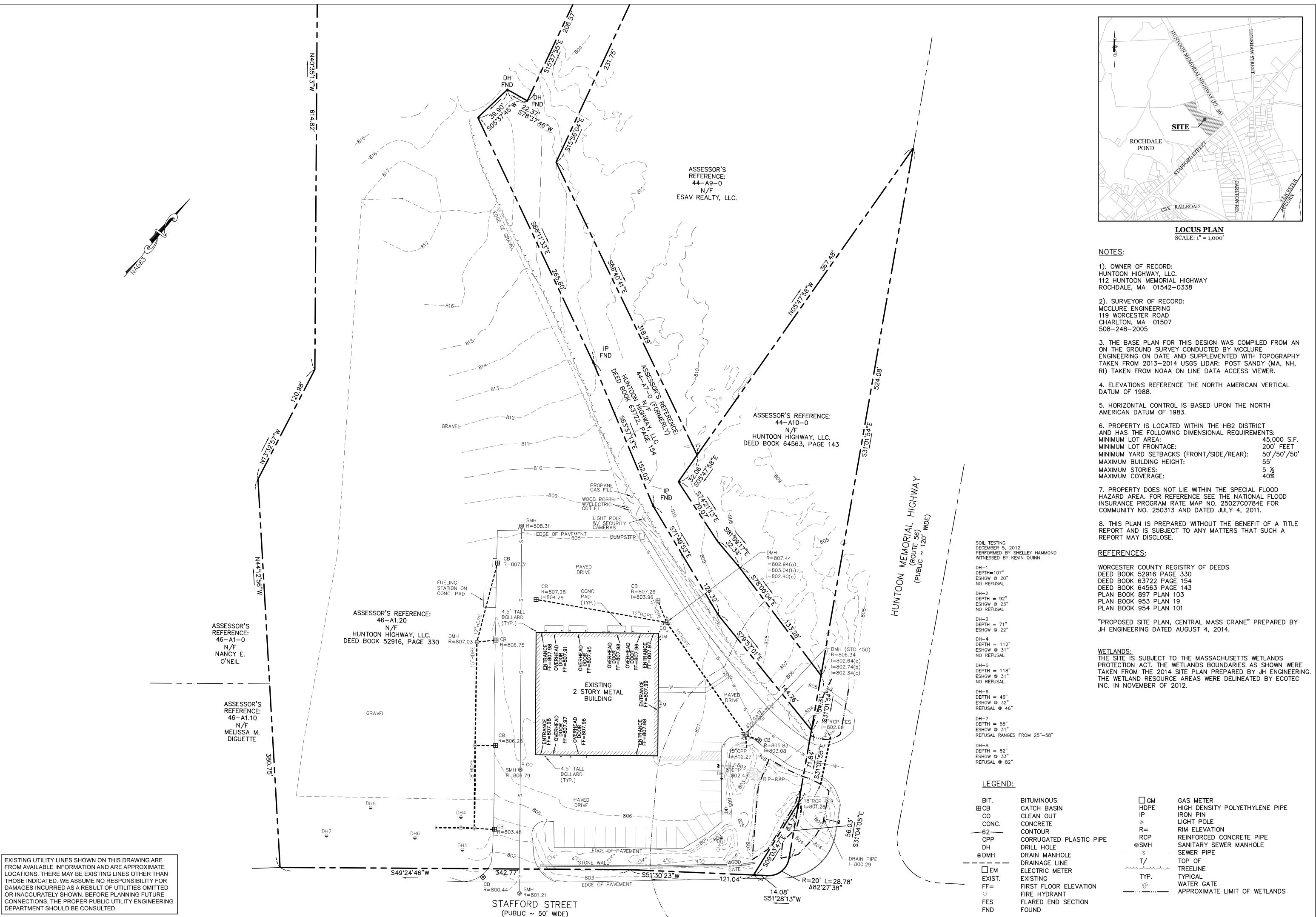
C-2 EXISTING CONDITIONS PLAN

C-3 LAYOUT, GRADING, AND UTILITIES PLAN

C-6 CONSTRUCTION DETAILS

DIG-SAFE (1-888-344-7233) NOTE: CONTRACTOR REQUIRED TO NOTIFY "DIG SAFE" 72 HOURS PRIOR TO ANY ON-SITE EXCAVATION OR CONSTRUCTION AT 1-888-344-7233. CONTRACTOR SHALL ALSO NOTIFY LOCAL WATER AND SEWER DEPARTMENTS TO MARK OUT

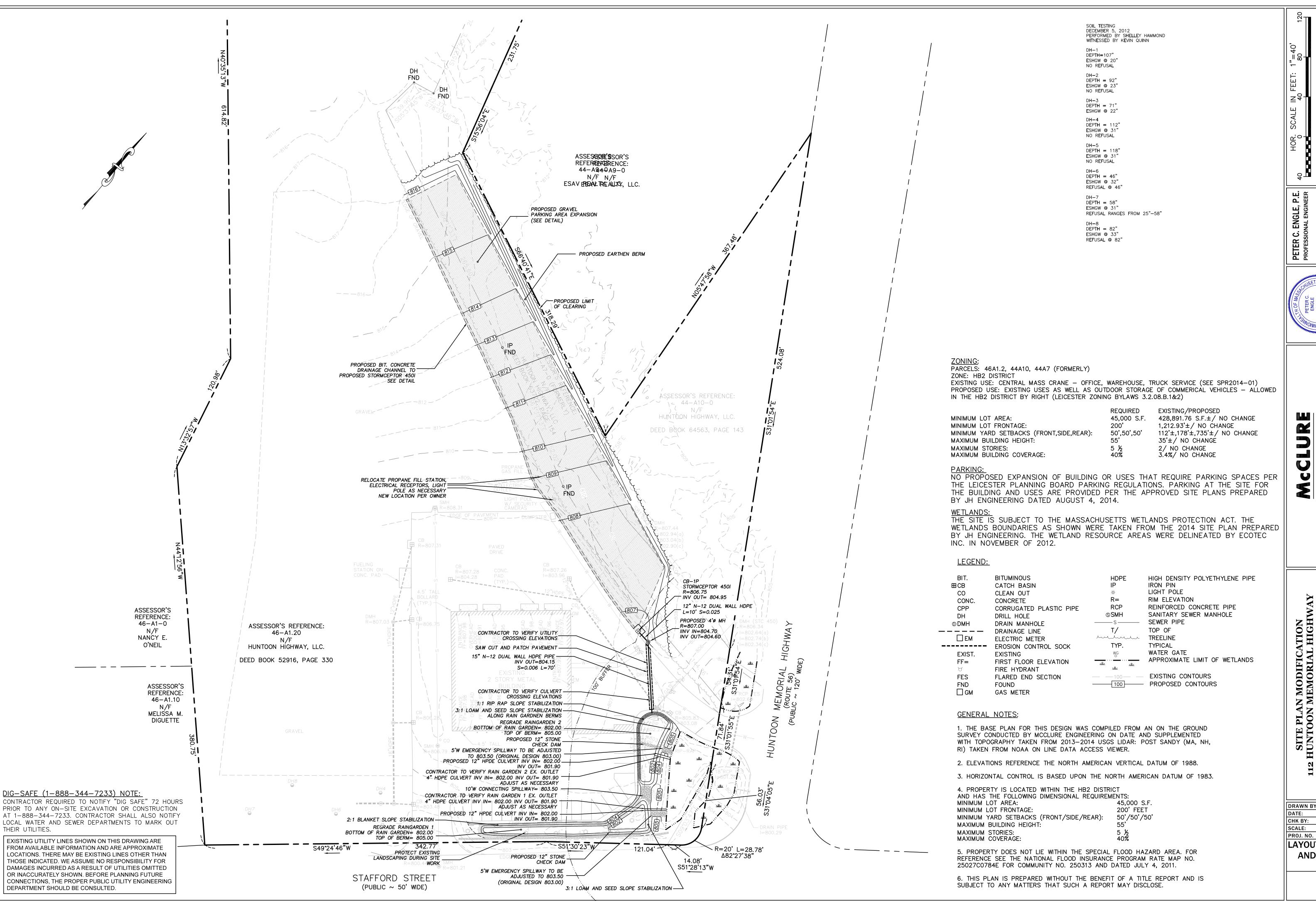
THEIR UTILITIES.



DRAWN BY:	WN
DATE:	8.20.21
CHK BY:	PE
SCALE:	1"=40'
PROJ. NO.	151-2415-M

EXISTING CONDITIONS PLAN

C2



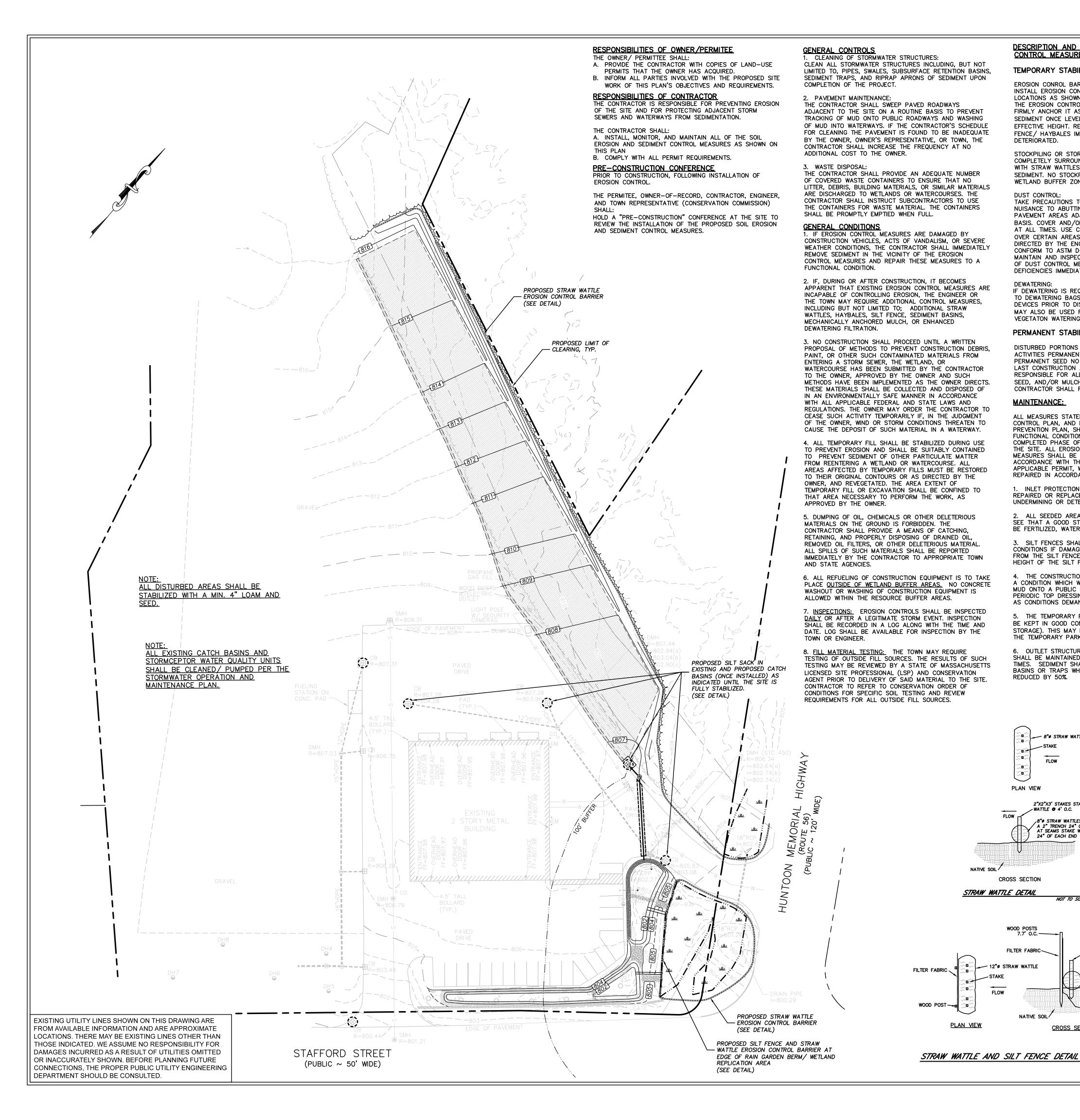


(508) 248-2005 (508) 248-4887

DRAWN BY: 8.20.21 1"=40'

PROJ. NO. 151-2415-M LAYOUT, GRADING, AND UTILITIES **PLAN**

C3



DESCRIPTION AND MAINTENANCE OF EROSION CONTROL MEASURES

TEMPORARY STABILIZATION MEASURES

EROSION CONROL BARRIERS:

INSTALL EROSION CONTROL BARRIERS AT VARIOUS LOCATIONS AS SHOWN ON THE PLANS AND DETAILS. EMBED THE EROSION CONTROL BARRIER INTO THE GROUND AND FIRMLY ANCHOR IT AS SHOWN IN THE DETAILS. REMOVE SEDIMENT ONCE LEVELS HAVE REACHED 1/4 OF THE

EFFECTIVE HEIGHT. REPAIR AND/OR REPLACE THE SILT FENCE / HAYBALES IMMEDIATELY IF DAMAGED OR

STOCKPILING OR STORAGE OF EXCAVATED MATERIALS: COMPLETELY SURROUND TEMPORARY MATERIAL STOCKPILES WITH STRAW WATTLES TO PREVENT TRANSPORTATION OF SEDIMENT. NO STOCKPILES SHALL BE KEPT WITHIN 100' WETLAND BUFFER ZONES.

DUST CONTROL:

TAKE PRECAUTIONS TO PREVENT DUST FROM BECOMING A NUISANCE TO ABUTTING PROPERTY OWNERS. BROOM OFF PAVEMENT AREAS ADJOINING THE EXCAVATION ON A DAILY BASIS. COVER AND/OR KEEP MOIST ALL EARTH STOCKPILES AT ALL TIMES. USE CALCIUM CHLORIDE TO CONTROL DUST OVER CERTAIN AREAS OF THE SITE AS NEEDED AND/OR AS DIRECTED BY THE ENGINEER. CALCIUM CHLORIDE SHALL CONFORM TO ASTM D-98, TYPE I. THE CONTRACTOR SHALL MAINTAIN AND INSPECT, ON A DAILY BASIS, THE ADEQUACY OF DUST CONTROL MEASURES AND CORRECT ANY DEFICIENCIES IMMEDIATELY.

DEWATERING:

IF DEWATERING IS REQUIRED, WATER SHOULD BE DISCHARGED TO DEWATERING BAGS OR OTHER SEDIMENT REMOVAL DEVICES PRIOR TO DISCHARGE TO RESOURCE AREAS. WATER MAY ALSO BE USED FOR DUST CONTROL AND/OR VEGETATON WATERING.

PERMANENT STABILIZATION MEASURES

DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASE SHALL BE STABILIZED WITH PERMANENT SEED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LANDSCAPED AREAS. IF TOPSOIL, SEED. AND/OR MULCH IS WASHED AWAY BY RAINFALL, THE CONTRACTOR SHALL RESTORE THE AREA.

MAINTENANCE:

ALL MEASURES STATED ON THIS EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.

2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RE-SEEDED AS NEEDED.

3. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED, SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCES.

4. THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN MUD ONTO A PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCE AS CONDITIONS DEMAND.

5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.

6. OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50%.

STAKE WATTLE @ 4'

12" STRAW WATTLES SET IN A 2" TRENCH 24" OVERLAP AT SEAMS STAKE

WITHIN 24" OF EACH END

NOT TO SCALE

─ 8"ø STRAW WATTLE

2"X2"X3' STAKES STAKE

,8" STRAW WATTLES SET I

A 2" TRENCH 24" OVERLAI AT SEAMS STAKE WITHIN

CROSS SECTION

/WATTLE @ 4' O.C.

24" OF EACH END

PLAN VIEW

CROSS SECTION

WOOD POSTS 7.7° 0.C. —

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CONSTRUCTION SCHEDULE AND EROSION & SEDIMENTATION CONTROL CHECKLIST

112 HUNTOON MEMORIAL HIGHWAY

WORK DESCRIPTION

<u>SEQUENCE OF CONSTRUCTION</u>
THE FOLLOWING NARRATIVE DESCRIBES THE PLANNED CONSTRUCTION SEQUENCE WITH AN EMPHASIS ON THE TIMING AND SEQUENCE OF EROSION/SEDIMENTATION CONTROL MEASURES:

THE FOLLOWING CONSTRUCTION SEQUENCE WILL BE REQUIRED TO INSURE THE EFFECTIVENESS OF THE EROSION/SEDIMENT CONTROL MEASURES IS OPTIMIZED.

INSTALL STABILIZED CONSTRUCTION EXIT(S), SWPPP ENTRANCE SIGN, AND DEP SIGN. 2. INSTALL EROSION CONTROL BARRIERS ON THE ENTIRE SITE (CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL SILT FENCE AND HAYBALES.)

3. EROSION CONTROL INSPECTION WILL BE CONDUCTED AFTER INSTALLATION OF EROSION CONTROL BARRIERS. 4. PREPARE TEMPORARY PARKING AND STORAGE AREA UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: PARKING, LAY DOWN, PORTA POTTY, MATERIAL STORAGE CONTAINERS, ETC.,

DENOTE THEM ON THE SITE MAPS IMMEDIATELY AND NOTE ANY CHANGES IN THE LOCATIONS AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS. 5. CLEAR AND GRUB AREA FOR SEDIMENT BASINS. CONSTRUCT AND STABILIZE SEDIMENT BASINS. HALT ALL ACTIVITIES AND CONTACT THE CIVIL ENGINEERING CONSULTANT TO PERFORM INSPECTION AND CERTIFICATION OF BMP'S. GENERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT STORM WATER PRE-CONSTRUCTION MEETING WITH ENGINEER AND ALL GROUND-DISTURBING CONTRACTORS BEFORE PROCEEDING WITH CONSTRUCTION.

6. BEGIN CLEARING AND GRUBBING THE SITE. INSTALL TEMPORARY DIVERSION DITCHES AND CHECK DAMS.

BEGIN GRADING THE SITE AS NEEDED. 9. START INSTALLATION OF DRAINAGE AND SITE WORK.

10. TEMPORARILY SEED, THROUGHOUT CONSTRUCTION, DENUDED AREAS THAT WILL BE INACTIVE FOR 15 DAYS OR MORE. PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE COMPLETED.

CONVERTED TO FINAL STORMWATER BASINS AS SHOWN ON GRADING PLAN.

ON SITE FOR EMERGENCY REPAIRS. THESE MATERIALS SHALL BE KEPT COVERED.

FINAL PHASE

1. PERMANENTLY STABILIZE ANY REMAINING EXPOSED AREAS. TEMPORARY DRAINAGE DITCHES TO BE REMOVED AND STABILIZED. SEDIMENT FROM BASINS TO BE REMOVED AND SEDIMENT DISPOSED OF OFFSITE. BASINS ARE TO BE

4. ONCE ENTIRE SITE IS STABILIZED, CALL FOR FINAL INSPECTION FROM SITE MONITOR. NOTES:
1. ONCE CONSTRUCTION IS COMPLETED, ALL DISTURBED AREAS ARE TO BE STABILIZED WITH LOAM AND

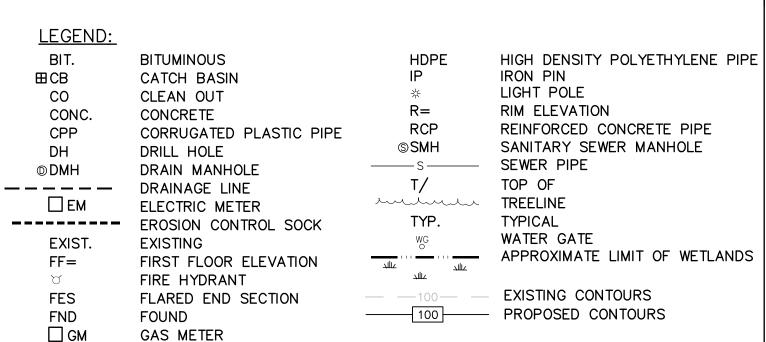
SEED UNLESS OTHERWISE SPECIFIED. 2. INSPECTIONS WILL BE CONDUCTED WEEKLY AND AFTER 0.25 INCH RAIN EVENTS. COPIES OF WEEKLY REPORTS AND RAIN EVENT REPORTS SHALL BE KEPT ON RECORD AND PROVIDED TO THE TOWN AND ENGINEER AT THEIR REQUEST. 3. EXTRA EROSION CONTROL MATERIALS (HAYBALES, SILT FENCE) EQUAL TO 100 LF SHALL BE KEPT

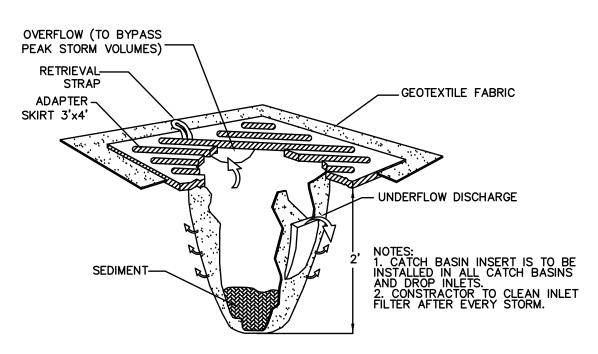
NOTE: APPLICANT AND/OR LANDOWNER SHALL NOTIFY THE TOWN OF LEICESTER IN WRITING AT LEAST FIVE (5) BUSINESS DAYS PRIOR TO COMMENCING ANY WORK.

NOTE: PRIOR TO ANY WORK TAKING PLACE

 A PRE-CONSTRUCTION MEETING SHOULD BE SCHEDULED BETWEEN MCCLURE ENGINEERING, INC. AND CONSTRUCTION MANAGER. ALL ASPECTS OF EROSION CONTROLS AND CONSTRUCTION OF PROJECT ARE TO BE DISCUSSED. 2. STRAW WATTLES AND SILTATION FENCE TO BE INSTALLED. INSTALL STABILIZED CONSTRUCTION ENTRANCE (SITE TRACKING PAD). INSPECTIONS WILL BE CONDUCTED WEEKLY AND AFTER 0.25 INCH RAIN EVENTS. COPIES OF WEEKLY REPORTS AND RAIN EVENT REPORTS SHALL BE SHALL BE KEPT ON FILE UNTIL COMPLETION.

ACREAGE		
SUMMARY		
IN ACRES		
IN ACRES		
GRAVEL AREA	0.68 AC±	
SEEDED AREA	0.25 AC±	
TOTAL DISTURBED	0.93 AC±	





CATCH BASIN INLET FILTER "SILT SACK"

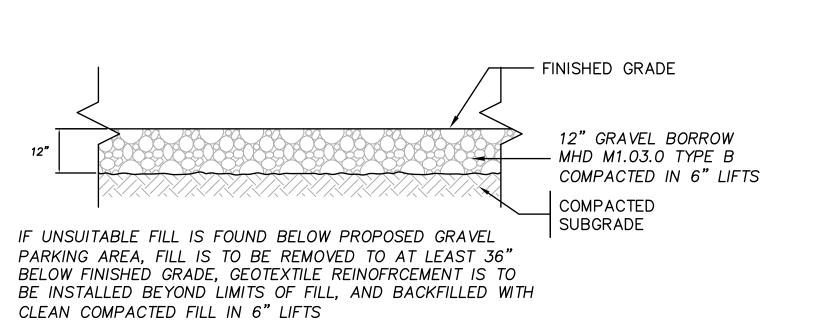
PLAN MODIFICATION OON MEMORIAL HIGH ROCHDALE, MA

DRAWN BY: 8.20.21 CHK BY: SCALE: 1"=40' PROJ. NO. 151-2415-M **EROSION AND**

SEDIMENTATION CONTROL PLAN

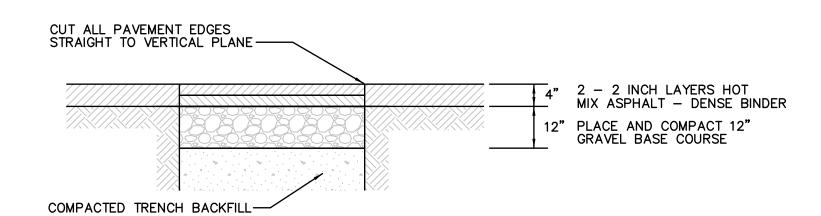
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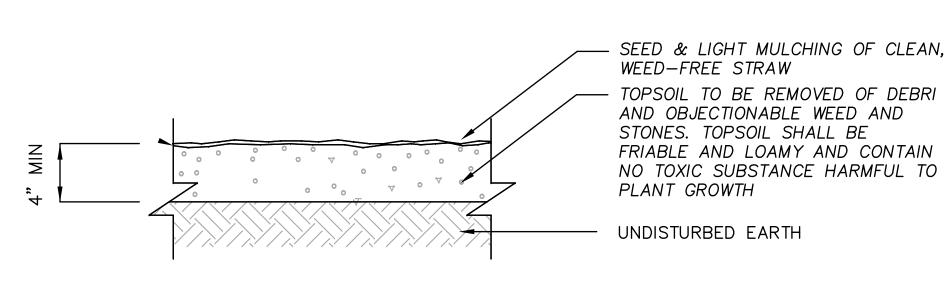
GRAVEL PARKING LOT DETAIL

NOT TO SCALE



PAVEMENT PATCH/ TRENCH REPAIR DETAIL

NOT TO SCALE



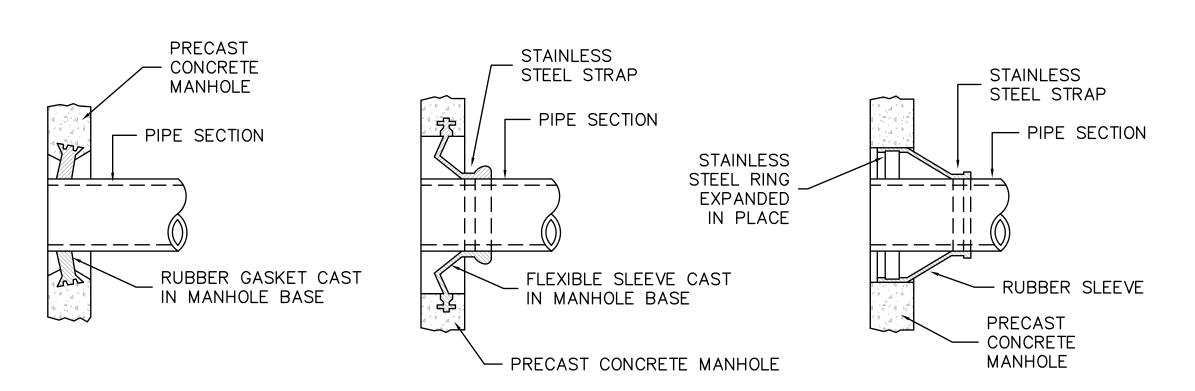
TOP SOIL & SEEDING DETAIL

NOT TO SCALE BIODEGRADABLE DUBLE NET STRAW/CONCONUT EROISON CONTROL BLANKET INSTALLED PER MANUFACTURER'S SPECIFICATIONS ANNIN MYN FIN. GRADE COMPACTED EARTHEN BERM COVER BERM IN EROSION CONTROL BLANKETS FOR STABILIZATION PER MANUFACTURER'S SPECIFICATIONS. SEE DETAIL.

EARTHEN DIVERSION BERM DETAIL

NOT TO SCALE

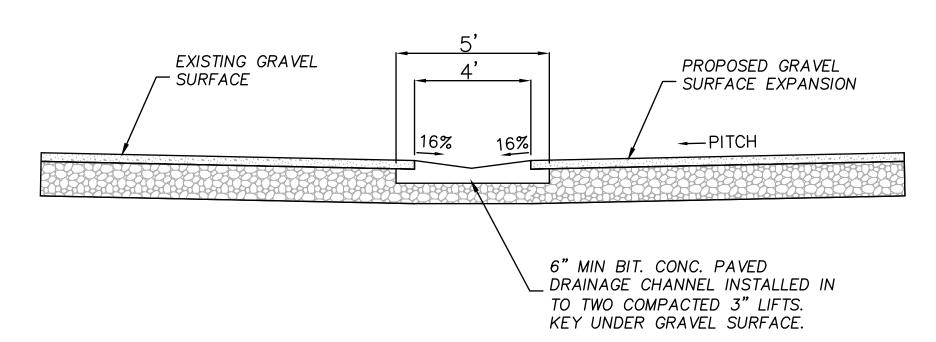
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- 1) CONTRACTOR SHALL BE REQUIRED TO MAKE ALL PIPE PENETRATIONS WATER TIGHT.
- 2) THE PIPE TO MANHOLE CONNECTION SHALL BE A FLEXIBLE RUBBER PIPE SLEEVE EITHER CAST IN PRECAST MANHOLE SECTION OR HELD IN PLACE BY STAINLESS STEEL RINGS EXPANDED IN PLACE TO MEET SPECIFICATIONS OF ASTM C923.

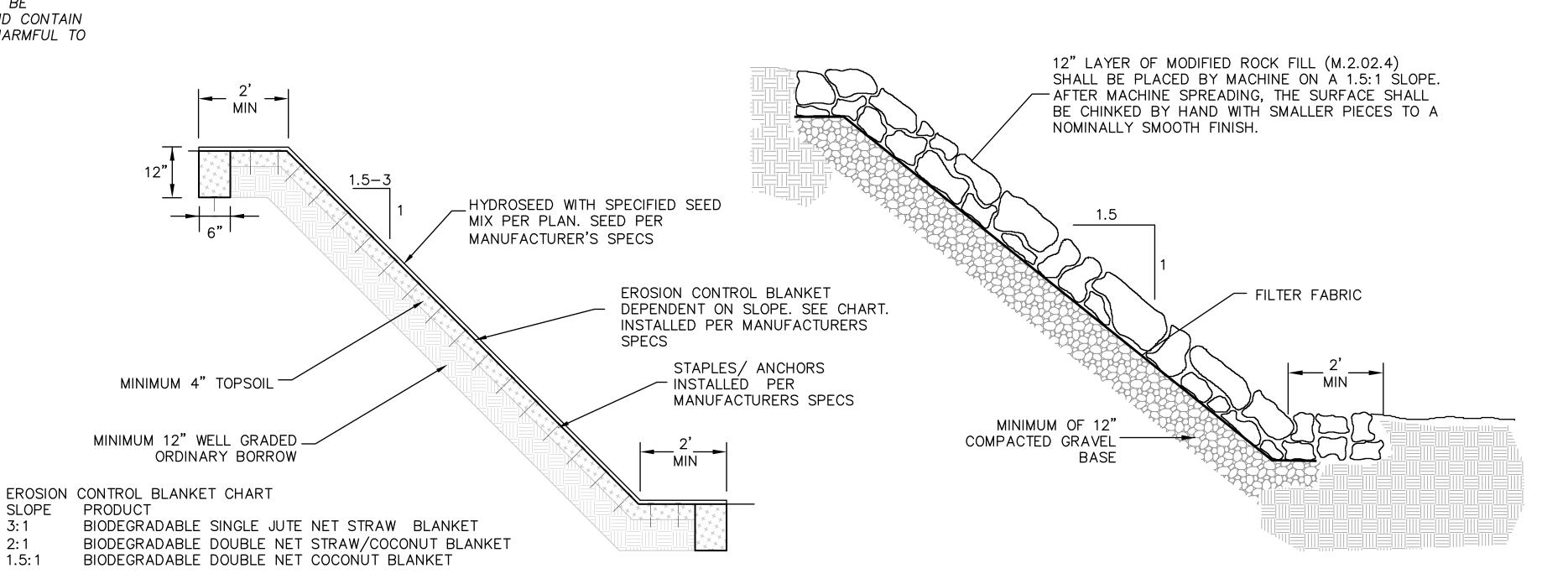
MANHOLE SEAL DETAILS

NOT TO SCALE



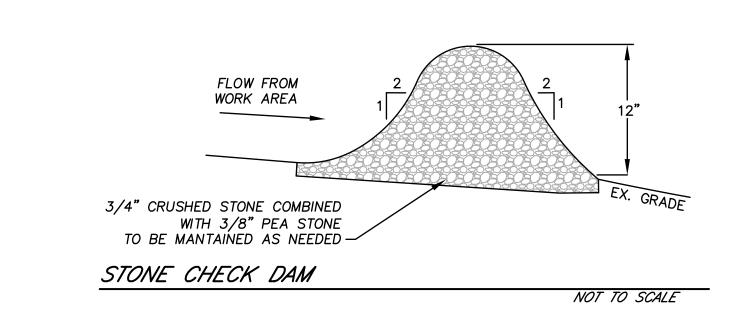
BIT. CONCRETE DRIAINAGE CHANNEL DETAIL

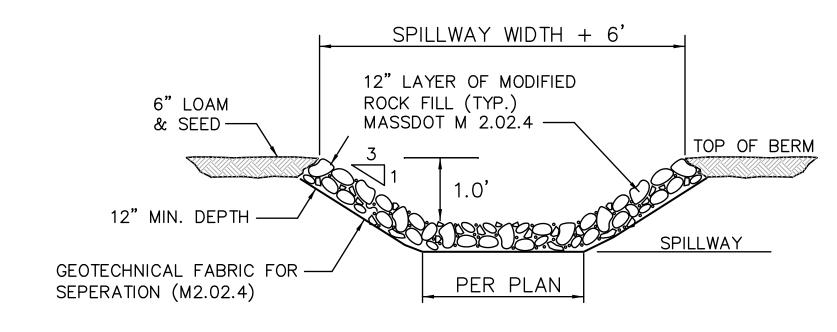
NOT TO SCALE



SLOPE STABILIZATION DETAILS

NOT TO SCALE





EMERGENCY SPILLWAY DETAIL

NOT TO SCALE

PETER C.

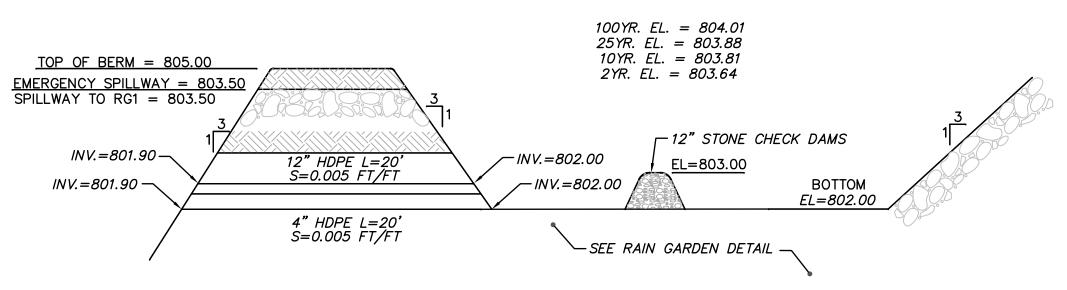
(508) 248-2005 (508) 248-4887

SITE PLAN MODIFICATION HUNTOON MEMORIAL HIGHWAY ROCHDALE, MA

DRAWN BY: 8.20.21 СНК ВҮ: N.T.S. PROJ. NO. 151-2415-M

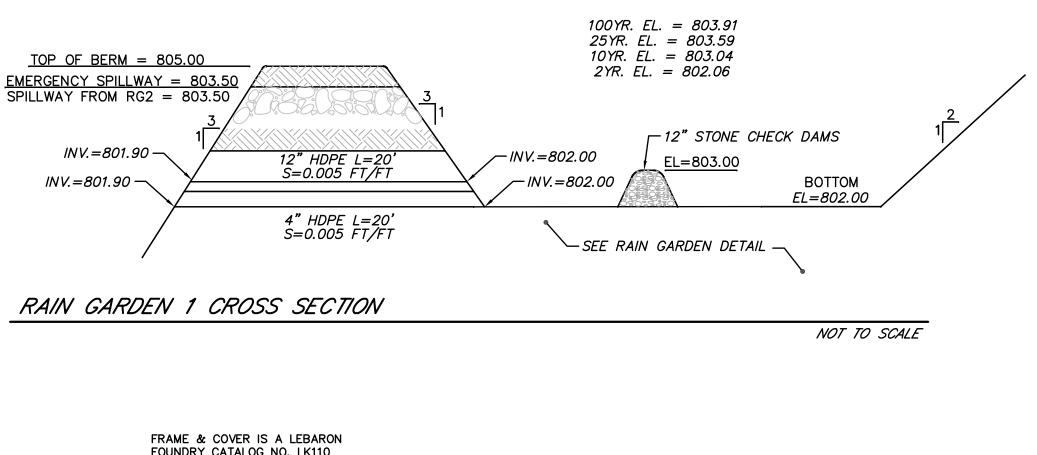
CONSTRUCTION **DETAILS**

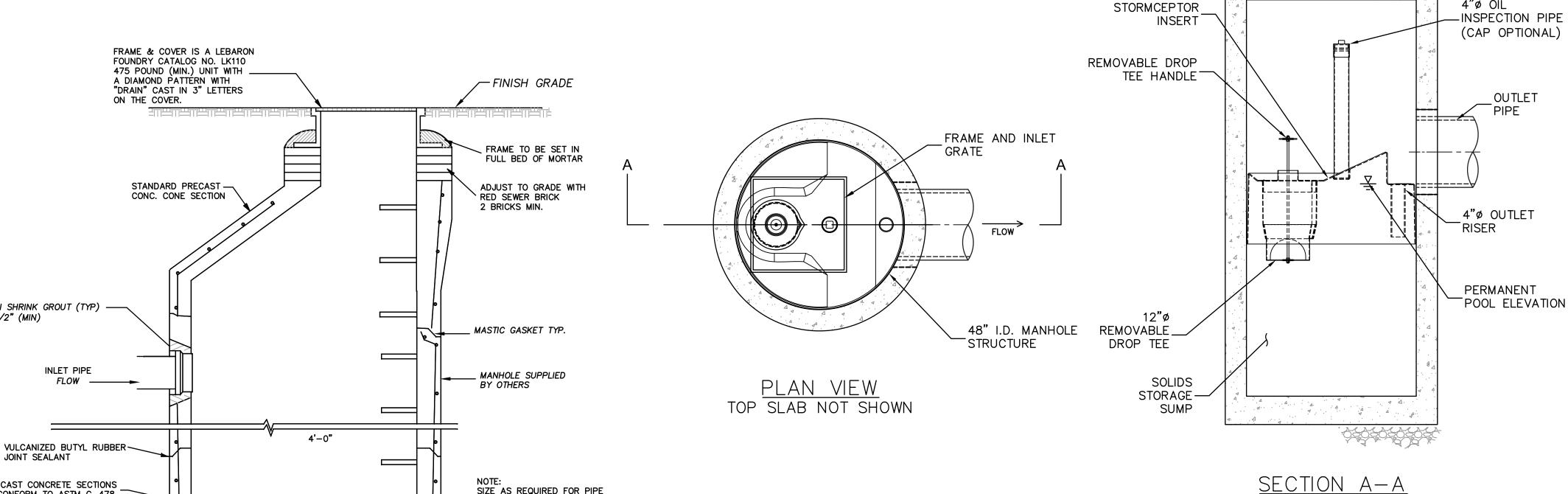
C5



RAIN GARDEN 2 CROSS SECTION

NOT TO SCALE





GENERAL NOTES

1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.

- 2. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.ContechES.com
- 3. STORMCEPTOR WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT. 4. STORMCEPTOR STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING EARTH COVER OF 0' — 2' [610], AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND

CONTRACTOR TO

GRADE

CONTECH)

GROUT TO FINISHED

GRADE RINGS/RISERS

(NOT PROVIDED BY

BE CAST WITH THE CONTECH LOGO. 5. STORMCEPTOR STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C478 AND AASHTO LOAD FACTOR DESIGN METHOD.

INSTALLATION NOTES

- A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER
- B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STORMCEPTOR MANHOLE STRUCTURE.
- C. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
- D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT INLET AND OUTLET PIPE(S). MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
- E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

STORMCEPTOR 450i DETAILS

NOT TO SCALE

FRAME AND INLET

4"ø OIL

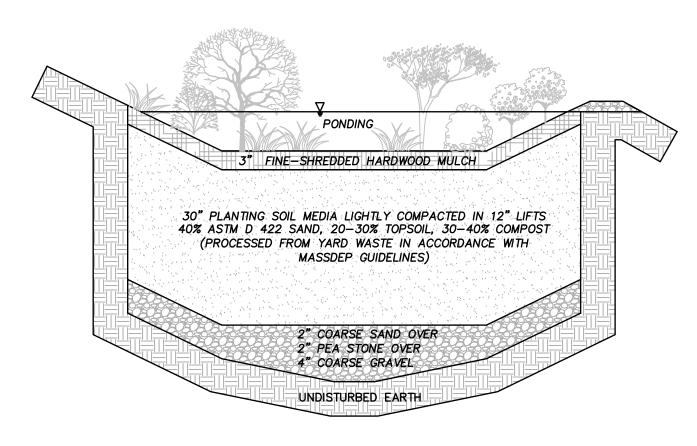
UNTIL THE PLAN METRIAL HAS TAKEN ROOT, WATER THE RAIN GARDEN ON A DAILY BASIS. IN ADDITION, WATER THE RAIN GARDEN DURNG DROUGHT CONDITIONS. INSPECT THE SOIL AN DREPAIR ERODED AREAS OF THE RAIN GARDEN MONTHLY. RE-MULCH VOID AREAS AS NEEDED. REMOVE LITER AND DEBRIS MONTHLY. TREAT DISEASED VEGETATION AS NEEDED. REMOVE AND REPLACE DEAD VEGETATION TWICE PER YEAR (SPRING AND FALL). REMOVE INVASIVE SPECIES INCLUDING WEEDS AS NEEDED TO PREVENT THESE SPECIES FROM SPREADING INTO THE RAIN GARDEN. REPLACE MULCH EVERY TWO YEARS, IN THE EARLY SPRING. UPON FAILURE, EXCAVATE THE RAIN GARDEN AREA, SCARIFY THE BOTTOM AND SIDES, REPLACE SOIL, REPLANT, AND MULCH.

RAINGARDEN PLANTING SCHEDULE:

SIDE SLOPES: (10) LOWBUSH BLUEBERRY (VACCINIUM ANGUSTIFOLIUM), 12" TALL, 3' O.C. (8) MEADOWSWEET (SPIRAEA LATIFOLIA), 2-3' TALL, 3' O.C. (10) BLACK CHOKEBERRY (ARONIA MELANOCARPA), 2-3' TALL, 4' O.C. (48) BEARBERRY (ARCTOSTAPHYLOS UVA-URSI), 12" TALL, 12" O.C.

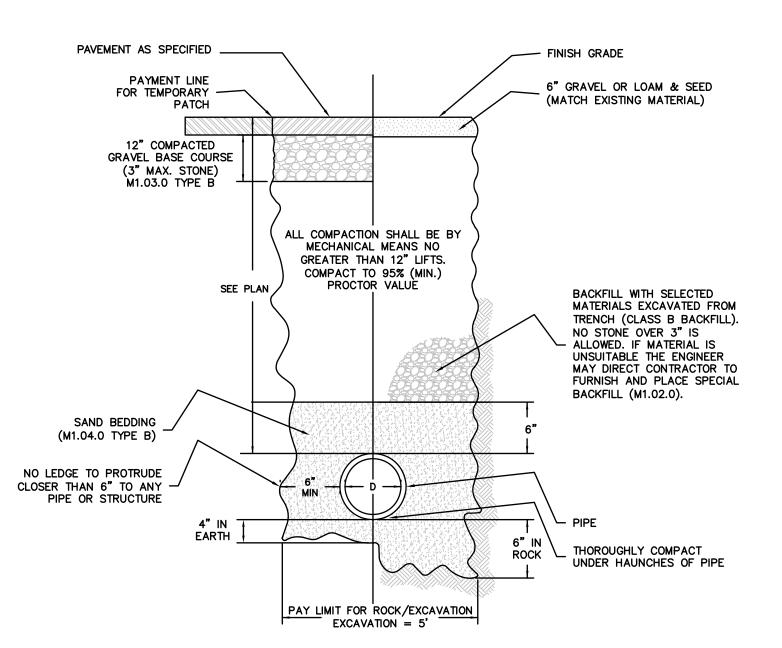
BASE OF RAIN GARDEN: (50) NEW ENGLAND ASTER (ASTER NOVAE-ANGLIAE), 2" PLUGS, 2' O.C. (50) SENSATIVE FERN (ONOCLEA SENSIBILIS), 2" PLUGS, 2' O.C. (50) GRASS-LEAVED GOLDENROD (EUTHAMIA GRAMINIFOLIA), 2" PLUGS, 2' O.C. (100) BLUE FLAG IRIS (IRIS VERSICOLOR), 2' PLUGS, 18" O.C. (50) BROOM SEDGE (CAREX SCOPARIA), 2' PLUGS, 2' O.C.

SALVAGE AND REPLANT EXISTING VEGETATON WHERE POSSIBLE. CAREFULLY REMOVE AND POT DURING CONSTRUCTION AND TRANSPLANT IMMEDIATELY AFTER RAIN GARDEN REGRADING IS COMPLETED.



TYP. RAIN GARDEN DETAIL

NOT TO SCALE



GENERAL NOTES:

1. IF SIGNIFICANT LEDGE IS ENCOUNTERED THE ENGINEER WILL BE INFORMED AND A PLAN FOR EXPECTED METHODS AND SCHEDULE OF REMOVAL SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

TYPICAL DRAIN LINE TRENCH DETAIL

NOT TO SCALE

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508) 248-2 (508) 248-4

SITE PLAN MODIFICATION HUNTOON MEMORIAL HIGH ROCHDALE, MA

DRAWN BY: 8.20.21 CHK BY: N.T.S. PROJ. NO. 151-2415-M

CONSTRUCTION **DETAILS**

C6

RAIN GARDEN 1 CROSS SECTION NON SHRINK GROUT (TYP) 1 1/2" (MIN) JOINT SEALANT PRECAST CONCRETE SECTIONS SIZE AS REQUIRED FOR PIPE TO CONFORM TO ASTM C-478, INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS CONCRETE OF 400 P.S.I. IN STEEL REBAR PER ASTM REQUIREMENTS - MONOLITHIC PRECAST BASE SECTION 12"MIN COMPACTED 3/4" CRUSHED STONE - UNDISTURBED EARTH

PRECAST CONCRETE DRAINAGE MANHOLE

NOT TO SCALE