PROPOSED SITE DEVELOPMENT PLUMBERS' SUPPLY COMPANY

SITE DRAWINGS

ISSUED FOR: PERMITTING
DATE ISSUED: MARCH 16, 2018
LATEST ISSUE: MARCH 28, 2018

MAP 133 LOT 61, FLAHERTY DRIVE NEW BEDFORD, MASSACHUSETTS

SCALE: 1"=600'

ENGINEER:

FIELD ENGINEERING CO., INC. 11D INDUSTRIAL DRIVE P.O. BOX 1178 MATTAPOISETT, MA 02739

APPLICANT:

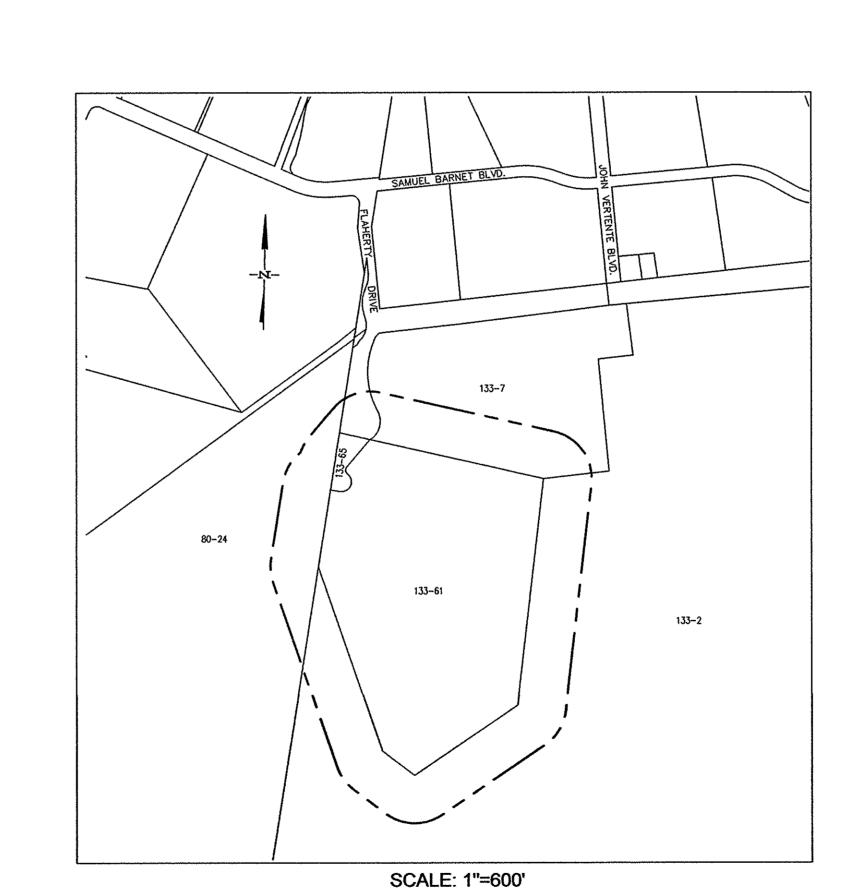
PLUMBERS' SUPPLY CO. 429 CHURCH STREET P.O. BOX 51687 NEW BEDFORD, MA 02745

OWNER:

GREATER NEW BEDFORD INDUSTRIAL FOUNDATION 1213 PURCHASE STREET NEW BEDFORD, MA 02740

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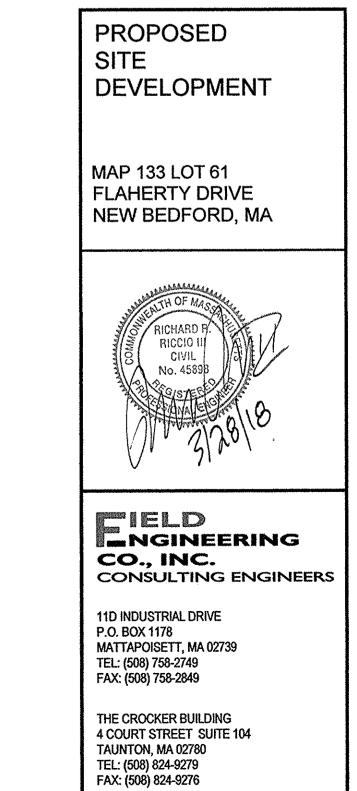


PROJECT LOCATION:

ASSESSORS MAP 133 LOT 61 NEW BEDFORD, MASSACHUSETTS

 100' NOTIFICATION LINE
 300' NOTIFICATION LINE
 PROJECT SITE

LOT NO.	OWNER OF RECORD
80-24	COMMONWEALTH OF MASSACHUSETTS
133-2	COMMONWEALTH OF MASSACHUSETTS
133-7	AFC CABLE SYSTEMS INC.
133–65	GNBIF/POLAROID LLC C/O CORPORATE REAL ESTATE



GENERAL CONSTRUCTION NOTES

SEDIMENT OR DEBRIS DEPOSITED THEREON IMMEDIATELY.

1. THE MATERIALS AND CONSTRUCTION OF ALL THE PROPOSED WATER, SEWER AND STORM DRAINAGE UTILITIES SHALL CONFORM TO THE LOCAL D.P.W. STANDARDS AND SPECIFICATIONS AS WELL AS ALL APPLICABLE MASSDOT STANDARDS AND SPECIFICATIONS, LATEST EDITION. THE MATERIALS AND CONSTRUCTION OF ALL ELECTRIC, TELEPHONE & CATV UTILITIES SHALL CONFORM TO THE SPECIFICATIONS OF EACH RESPECTIVE PUBLIC UTILITY PROVIDER

2. ALL CONSTRUCTION MATERIALS, AS WELL AS ALL MATERIAL SHOP DRAWINGS AND MANUFACTURERS DATA SHALL RECEIVE THE WRITTEN APPROVAL OF THE LOCAL D.P.W., AND THE PROJECT ENGINEER PRIOR TO FABRICATION AND INSTALLATION

3. THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES SHALL BE CONSIDERED APPROXIMATE AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. UNDERGROUND UTILITIES SHOWN ARE FROM FIELD OBSERVATION AND THE BEST AVAILABLE RECORD INFORMATION AND ARE NOT WARRANTED TO BE EXACT. NOR IS IT WARRANTED THAT ALL UNDERGROUND PIPES OR STRUCTURES ARE SHOWN. THE CONTRACTOR SHALL CONTACT THE RESPECTIVE UTILITY COMPANIES RELATIVE TO THE LOCATION AND ELEVATION OF ALL EXISTING LINES.

4. THE CONTRACTOR SHALL CONTACT "DIG SAFE" AT "811", 72 HOURS PRIOR TO ANY EXCAVATION AND/OR SUBSURFACE TESTING TO INFORM THE UTILITY COMPANIES OF ANY EXCAVATION.

5. WHENEVER EXISTING STRUCTURES ARE ENCOUNTERED, THE CONTRACTOR SHALL REPAIR ANY DAMAGED STRUCTURES OR REPLACE ANY REMOVED STRUCTURES, AND MAKE ANY IMPROVEMENTS ABOVE OR BELOW GRADE TO A CONDITION

6. ALL EXCAVATED MATERIAL DESIGNATED FOR REUSE SHALL BE STOCKPILED ON SITE NO HIGHER THAN 8 FEET AND SHALL BE ENCLOSED BY TEMPORARY SILT FENCES TO PREVENT TRAVEL OF SEDIMENT TO ADJACENT PROPERTIES OR DRAINAGE WAYS. STOCKPILES SHALL NOT BE ALLOWED WITHIN THE 100' WETLAND BUFFER ZONE. 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL WASTE MATERIAL AT AN APPROVED LOCATION.

8. EROSION CONTROL MEASURES SHALL REMAIN IN PLACE AND MAINTAINED IN GOOD CONDITION UNTIL SURFACE

RESTORATION IS COMPLETE AND ALL AREAS DISTURBED BY THE CONTRACTORS OPERATIONS ARE STABILIZED. THE CONTRACTOR SHALL PROTECT ADJACENT PROPERTIES FROM ON SITE CONSTRUCTION ACTIVITIES AND REMOVE ANY

10. DRAINAGE GENERATED AS A RESULT OF TRENCH DEWATERING SHALL BE DISCHARGED TO EXISTING DRAINAGE COURSES WITH PROPER EROSION CONTROL AND DEWATERING MEASURES MEASURES SUBJECT TO APPROVAL BY THE PROJECT ENGINEER. DIRECT DISCHARGE ONTO PAVEMENT, WETLANDS OR PRIVATE PROPERTY SHALL NOT BE ALLOWED WITHOUT CONSENT OF THE PROJECT ENGINEER AND THE OWNER.

11. THE OWNER AND THE PROJECT ENGINEER SHALL APPROVE ALL FIELD CHANGES IN THE WORK PRIOR TO IMPLEMENTATION. NO FIELD CHANGES SHALL BE MADE IN ANY SPECIFIED SITE WORK OR ANY MATERIALS FOR WHICH SHOP DRAWNGS HAVE BEEN SUBMITTED AND APPROVED WITHOUT PRIOR CONSULTATION OF THE OWNER AND THE PROJECT ENGINEER. ANY CHANGES SO MADE WITHOUT THE CONSENT OF THE OWNER AND THE PROJECT ENGINEER SHALL, IF DEEMED UNACCEPTABLE BY EITHER PARTY, BE PROMPTLY REMOVED FROM THE WORK AT NO EXPENSE TO THE OWNER

12. ANY WORK OR MATERIALS NOT MEETING THE APPROVED STANDARDS AND SPECIFICATIONS OF THE LOCAL DEPT. OF PUBLIC WORKS SHALL BE IMMEDIATELY REMOVED AND REPLACED AT THE FULL RESPONSIBILITY AND COST/EXPENSE TO

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SITE PREPARATION, THE COORDINATION AND INSTALLATION OF ALL UTILITY CONNECTIONS, AND RELATED WORK INCLUDING BUT NOT LIMITED TO ALL NECESSARY SHORING, BRACING AND TRENCH DEWATERING FOR THE COMPLETE INSTALLATION OF THE PROJECT FACILITIES DURING CONSTRUCTION.

14. ALL OPEN EXCAVATIONS SHALL BE ADEQUATELY SAFEGUARDED IN STRICT ACCORDANCE WITH OSHA GUIDELINES AND TO THE SATISFACTION OF THE LOCAL POLICE DEPARTMENT. PROVISIONS FOR TEMPORARY BARRICADES, CAUTION SIGNS, LIGHTS AND OTHER MEANS TO PREVENT ACCIDENTS AND DAMAGE TO PROPERTY ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE SUITABLE AND SAFE BRIDGES AND OTHER CROSSINGS FOR ACCOMMODATING TRAVEL BY PEDESTRIANS AND WORKMEN. NO EXCAVATIONS SHALL REMAIN OPEN OVERNIGHT.

15. REFER TO CONSTRUCTION DETAIL SHEETS FOR ADDITIONAL UTILITY REQUIREMENTS AND SPECIFICATIONS. 16. THESE PLANS HAVE BEEN PREPARED SPECIFICALLY AS SUPPLEMENTAL INFORMATION TO ACCOMPANY APPLICABLE PERMIT APPLICATIONS AND ARE NOT INTENDED FOR ACTUAL CONSTRUCTION WITHOUT THE EXPRESSED WRITTEN APPROVAL OF FIELD ENGINEERING CO., INC.

17. IN THE EVENT OF AN INCONSISTENCY BETWEEN THESE SPECIFICATIONS AND THE LOCAL D.P.W., THE LOCAL D.P.W. SPECIFICATIONS SHALL GOVERN. THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE SPECIFICATIONS FROM THE LOCAL

18. ANY MINOR MODIFICATIONS (AS DETERMINED BY THE CITY ENGINEER) TO THE INFORMATION SHOWN ON THE APPROVED SITE PLANS SHALL BE SUBMITTED TO THE CITY ENGINEER AS A MINOR PLAN REVISION FOR APPROVAL PRIOR

19. ALL HANDICAP PARKING, RAMPS, AND ACCESS SHALL CONFORM TO ADA & MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (AAB) REQUIREMENTS.

20. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO CONSTRUCTION. EROSION CONTROL SHALL CONFROM TO THE CITY OF NEW BEDFORD CONSERVATION COMMISSION REQUIREMENTS AS STATED IN THE ORDER OF CONDITIONS (REFER TO SITE GRADING AND LAYOUT PLAN FOR EROSION CONTROL LOCATIONS)

21. ALL PAVEMENT MARKINGS AND SIGNS SHALL CONFORM TO MUTCD REQUIREMENTS.

22. THE CONTRACTOR SHALL A STREET DISTURBANCE AND OBSTRUCTION PERMIT PRIOR TO ANY WORK BEING PERFORMED WITHIN THE CITY RIGHT OF WAY.

23. ALL WATER AND SEWER MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE CITY OF NEW BEDFORD

24. ALL WATER AND SEWER CONSTRUCTION SHALL BE INSPECTED BY THE CITY OF NEW BEDFORD PRIOR TO BEING

25. THE CITY SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE REQUIRED INSPECTIONS

EROSION & SEDIMENTATION CONTROL PROGRAM

1. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL APPROVING AUTHORITY AND AS DIRECTED BY THE PROJECT ENGINEER.

2. THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION WILL BE LEFT IN AN UNTREATED OR UNVEGETATED CONDITION FOR A MINIMUM TIME. AREAS SHALL BE PERMANENTLY STABILIZED WITHIN 15 DAYS OF FINAL GRADING AND TEMPORARILY STABILIZED WITHIN 30 DAYS OF INITIAL DISTURBANCE OF THE SOIL IF THE DISTURBANCE IS WITHIN 100 FEET OF A WETLAND RESOURCE AREA. THE DISTURBED AREAS SHALL BE STABILIZED WITHIN 7 DAYS OR PRIOR TO ANY FORECASTED STORM EVENT

3. SEDIMENT BARRIERS (SILT FENCE, HAY BARRIERS, ETC.) SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE UPGRADIENT CONTRIBUTING DRAINAGE AREA. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 8.0% AFTER OCTOBER 1ST

INSTALL SILT FENCE AT TOE OF SLOPE TO FILTER SILT FROM RUNOFF. SEE SILT FENCE DETAIL FOR PROPER INSTALLATION.

5. ALL EROSION CONTROL STRUCTURES WILL BE INSPECTED, REPLACED AND/OR REPAIRED EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL, SNOW MELT OR WHEN NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION OR DECOMPOSURE. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT AND WHEN THE DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSLOPE ARE STABILIZED BY TURF.

6. NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL BE STEEPER THAN THREE TO ONE (3 TO 1) UNLESS NOTED OTHERWISE.

7. IF FINAL SEEDING OF THE DISTURBED AREAS IS NOT COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST, USE TEMPORARY MULCH OR DORMANT SEEDING TO PROTECT THE SITE AND DELAY SEEDING

TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINAL GRADED SHALL BE COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST TO PROTECT FROM SPRING RUNOFF PROBLEMS.

9. REVEGETATION MEASURES WILL COMMENCE UPON COMPLETION OF CONSTRUCTION EXCEPT AS NOTED ABOVE, ALL DISTURBED AREAS NOT OTHERWISE STABILIZED WILL BE GRADED, SMOOTHED, AND PREPARED FOR FINAL SEEDING AS FOLLOWS:

A) THE TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS, AND SHALL BE PLACED TO A DEPTH OF FOUR (4) INCHES ON ALL LOAM AND SEED AREAS OR AS SPECIFIED ON

B) APPLY FERTILIZER AT A RATE OF 800 LB PER ACRE OR 18.4 LB PER 1,000 SF. APPLY GROUND LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER

C) THE DESIGN MIX FOR SEEDING SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE. THE SEED MIX SHALL BE INOCULATED WITHIN TWENTY-FOUR (24) HOURS, BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY

LOAM AND SEED AREAS - MASSDOT SPEC M6.03.0

% BY WEIGHT TYPE. RED FESCUE KENTUCKY 31 DOMESTIC RYE RED TOP LADINO CI OVER APPLICATION RATE 4.0 LBS./1000 S.F.

10. HAY OR STRAW MULCH SHALL BE LOOSELY SPREAD TO A UNIFORM DEPTH AT THE RATE OF 4.5 TONS PER ACRE EXCEPT OVER CERTAIN SELECTED SEEDED AREAS WHERE 2 TONS PER ACRE SHALL BE USED AS DIRECTED BY THE ENGINEER AND/OR THE LOCAL APPROVING AUTHORITY. A HYDRO-APPLICATION OF WOOD OR PAPER FIBER SHALL BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS WILL BE USED ON HAY MULCH FOR WIND CONTROL.

ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE IS STABILIZED TO THE SATISFACTION OF THE LOCAL APPROVING AUTHORITY AND THE PROJECT ENGINEER.

ADJACENT PROPERTIES WILL BE PROTECTED WITH HAY BALES AND/OR SILT FENCING INSTALLED AS SHOWN ON THE DRAWINGS. ADDITIONAL HAY BALES OR SAND BAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER AND/OR THE LOCAL APPROVING AUTHORITY.

13. TEMPORARY HAY BALE EROSION CHECKS OR FILTER FABRIC GRATE INSERTS SHALL BE PROVIDED AT ALL DRAINAGE STRUCTURE INLETS DURING CONSTRUCTION. UPON COMPLETION OF CONSTRUCTION AND SATISFACTORY STABILIZATION OF DISTURBED AREAS, THE CONTRACTOR SHALL CLEAN ALL CATCH BASIN

14. THE CONTRACTOR MUST REPAIR OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE OWNER OR APPLICANT.

15. THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1ST THROUGH JUNE 15TH AND AUGUST 15TH THROUGH OCTOBER 1ST.

16. STOCKPILES OF TOP SOIL SHALL NOT BE LOCATED NEAR WATERWAYS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 1:1.

MULCH AND MULCH ANCHORING

MULCH LOCATION RATE (1.000 S.F.) MILD SLOPES LESS THAN STRAW OR HAY SHREDDED OR CHOPPED CORNSTALKS 200-275 POUNDS 3:1 HIGH WIND VELOCITY AREAS ANCHORED STRAW OR HAY (1) 200 POUNDS MODERATE TO HIGH VELOCITY AREAS JUTE MESH OR EXCELSION STEEP SLOPES GREATER THAN 3:1 JUTE MESH OR EXCELSIOR MAT AS REQUIRED

(1) A HYDRO-APPLICATION OF WOOD OR PAPER FIBER MAY BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS SHALL BE USED ON HAY MULCH FOR WIND

MULCH ANCHORING MAY BE ACCOMPLISHED WITH PEG AND TWINE (1 SQ. YD/BLOCK); MULCH NETTING

(PER MANUFACTURERS SPECIFICATIONS); WOOD CELLULOSE FIBER (750 LBS/ACRE); OR CHEMICAL TACK (PER MANUFACTURERS SPECIFICATIONS).

SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.

EROSION CONTROL NOTES DURING CONSTRUCTION 1. CONSTRUCTION ACTIVITY EXECUTED DURING THE WINTER CONSTRUCTION PERIOD BETWEEN NOVEMBER 1

THROUGH APRIL 1ST SHALL BE SUBJECT TO THE FOLLOWING ADDITIONAL REQUIREMENTS. WINTER EXCAVATION AND EARTHWORK SHALL BE DONE SUCH THAT NO MORE THAN 1 ACRE OF THE

EXPOSED AREA SHOULD BE LIMITED TO THAT WHICH CAN BE MULCHED IN ONE DAY PRIOR TO ANY

4. CONTINUATION OF EARTHWORK OPERATIONS ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED SUCH THAT NO AREA IN EXCESS OF ONE ACRE IS WITHOUT EROSION CONTROL PROTECTION.

5. AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR HAY AND ADEQUATELY ANCHORED BY AN APPROVED ANCHORING

BETWEEN THE DATES OF NOVEMBER 1ST AND APRIL 1ST, LOAM OR SEED WILL NOT BE PERMITTED. DURING PERIODS OF ABOVE FREEZING TEMPERATURES, THE SLOPES SHALL BE FINE GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDED AND MULCHED UNTIL SUCH TIME AS THE FINAL TREATMENT CAN BE APPLIED.

IF THE DATE IS AFTER NOVEMBER 1ST AND IF THE EXPOSED AREA HAS BEEN LOAMED, FINAL GRADED AND IS SMOOTH, THEN THE AREA MAY BE DORMANT SEEDED AT A RATE OF 200 TO 300% HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED. IF CONSTRUCTION CONTINUES DURING FREEZING WEATHER, ALL EXPOSED AREAS SHALL BE CONTINUOUSLY GRADED BEFORE FREEZING AND T SURFACE TEMPORARILY PROTECTED FROM EROSION BY THE APPLICATION OF MULCH. SLOPES SHALL NOT BE LEFT UNEXPOSED OVER THE WINTER OR ANY OTHER EXTENDED TIME OF WORK SUSPENSION UNLESS REATED IN THE ABOVE MANNER.

UNTIL SUCH TIME AS WEATHER CONDITIONS ALLOW DITCHES TO BE FINISHED WITH THE PERMANENT SURFACE TREATMENT, EROSION SHALL BE CONTROLLED BY THE INSTALLATION OF HAY BALE/SAND BAG

BETWEEN THE DATES OF NOVEMBER 1ST AND APRIL 1ST ALL MULCH SHALL BE ANCHORED BY EITHER PEG LINE, MULCH NETTING, TRACK OR WOOD CELLULOSE FIBER. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3%, FOR SLOPES EXPOSED TO DIRECT WINDS, AND FOR ALL OTHER SLOPES GREATER THAN 8% MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 15% AFTER OCTOBER 1ST THE SAME APPLIES FOR ALL SLOPES GREATER THAN 8%.

8. ALL EROSION MITIGATION MEASURES SHALL BE IN PLACE PRIOR TO MAJOR CONSTRUCTION OR SOIL DISTURBANCE COMMENCING ON THE SITE.

TRAFFIC MANAGEMENT NOTES

THE CONTRACTOR SHALL OBTAIN A ROAD OPENING PERMIT FROM THE LOCAL DPW PRIOR TO COMMENCEMENT OF CONSTRUCTION WITHIN ANY PUBLIC RIGHT OF WAY

2. AS A SPECIAL CONDITION FOR THE ROAD OPENING PERMIT THE CONTRACTOR SHALL:

(A) FURNISH ADEQUATE NOTICE TO POLICE AND FIRE DEPARTMENTS, PUBLIC TRANSPORTATION AUTHORITIES, AND SCHOOL DEPARTMENTS/DISTRICTS OF THE PROPOSED TRAFFIC MANAGEMENT PLAN INCLUDING, BUT NOT LIMITED TO, DETOURS, LANE CLOSURES, AND ALTERNATE ROUTES.

(8) FURNISH, ERECT AND MAINTAIN TRAFFIC CONTROL DEVICES, AS REQUIRED BY THE LOCAL AUTHORITIES, THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL DEVICES INCLUDING LIGHTS MARKINGS, BARRICADES, WARNING SIGNS, AND ALL OTHER SAFETY PRECAUTIONS NECESSARY TO PROTECT STREETS, SIDEWALKS, ACCESS TO ADJOINING PROPERTY, AND THE TRAVELING PUBLIC WITHIN THE AREA OF THE CONSTRUCTION.

STORMWATER MANAGEMENT SYSTEM OPERATION AND MAINTENANCE PLAN

NAME AND ADDRESS OF OWNER

GREATER NEW BEDFORD INDUSTRIAL FOUNDATION NEW BEDFORD, MASSACHUSETTS 02740

NAME AND ADDRESS OF APPLICANT PLUMBERS SUPPLY CO. INC. 429 CHURCH STREET NEW BEDFORD MASSACHUSETTS 02745

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSPECTION AND MAINTENANCE OF ALL STORMWATER MANAGEMENT FACILITIES UNTIL SUCH TIME AS THE STORMWATER MANAGEMENT SYSTEM IS ACCEPTED BY THE OWNER. THEREAFTER THE OWNER SHALL BE RESPONSIBLE FOR THE PROPER INSPECTION AND MAINTENANCE OF THE STORMWATER FACILITIES IN ACCORDANCE WITH THIS OPERATION AND MAINTENANCE PLAN AS WELL AS THE CONTINUING CONDITIONS OF THE CERTIFICATE OF COMPLIANCE ON THE PROPERTY.

2. ALL STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) INCLUDING SHOULD BE INSPECTED AFTER EVERY MAJOR RAINFALL EVENT EXCEEDING 1.0-INCH FOR THE FIRST 6 MONTHS AFTER CONSTRUCTION TO ENSURE PROPER

3. THEREAFTER, REGULAR BMP INSPECTIONS SHOULD BE CONDUCTED ACCORDING TO THE FOLLOWING SCHEDULE:

INSPECTIONS PER YEAR BMP STRUCTURE DEEP SUMP CATCH BASINS EXTENDED DETENTION/INFILTRATION BASIN ROOF DRAIN RECHARGE TRENCH

4. THE OWNER SHALL MAINTAIN AND SUBMIT TO THE CONSERVATION COMMISSION UPON REQUEST A BMP INSPECTION REPORT FOLLOWING EACH SITE INSPECTION AS RECOMMENDED ABOVE. THE BMP INSPECTION REPORT SHALL IDENTIFY THE DATE OF INSPECTION, THE NAME AND CONTACT NUMBER OF THE RESPONSIBLE PARTY, SPECIFIC STRUCTURES INSPECTED, SPECIFIC MAINTENANCE REQUIRED AND OBSERVATIONS AT A MINIMUM, INSPECTION REPORTS SHOULD ADDRESS THE FOLLOWING CONDITIONS WHERE APPLICABLE:

. EMBANKMENT SUBSIDENCE FROSION 3. CRACKING OF CONTAINMENT BERM 4. INLET/OUTLET CONDITIONS SEDIMENT ACCUMULATIONS 6. SLOPE STABILITY

5. ACCUMULATED SILT AND SEDIMENT SHOULD BE REMOVED FOUR TIMES A YEAR FOR SEDIMENT FOREBAYS OR MORE FREQUENTLY IF ACCUMULATED DEPTH OF SEDIMENT EXCEEDS SIX INCHES AT THE PROPOSED STONE CHECK DAMS. ACCUMULATED SILT AND SEDIMENT SHOULD BE REMOVED AT LEAST ONCE A YEAR FOR DEEP SUMP CATCH BASINS OR MORE FREQUENTLY IF ACCUMULATED DEPTH OF SEDIMENT EXCEEDS SIX INCHES.

6. ALL REMOVED SEDIMENTS ARE TO BE PROPERLY DISPOSED OF AT A LOCATION TO BE APPROVED BY THE BOARD OF HEALTH. TRANSPORTATION AND DISPOSAL OF SEDIMENTS SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE,

7. THE DRIVEWAY AND PARKING AREAS SHALL BE SWEPT AT LEAST TWICE PER YEAR.

8. THE EXTENDED DETENTION/INFILTRATION BASINS, SEDIMENT FOREBAYS AND ALL LANDSCAPED AREAS SHOULD BE INSPECTED FOR TRASH ON A MONTHLY BASIS. ANY ACCUMULATED TRASH, LITTER AND DISCARDED MATERIALS

9. SNOW WILL BE STOCKPILED WITHIN AND AROUND AREAS WHICH DRAIN INTO THE STORMWATER MANAGEMENT SYSTEM WHEREVER PRACTICABLE. CATCH BASIN GRATES WILL BE CLEANED OF SNOW AND ICE AFTER ALL SNOWFALL EVENTS. DISCHARGE OF SNOW DIRECTLY INTO THE SEDIMENT FOREBAYS, DETENTION BASINS, OR WET

10. NO DISPOSAL OF MATERIALS WILL BE PERMITTED WITHIN THE ANY OF THE STORMWATER MANAGEMENT SYSTEM BMP'S. THIS PROHIBITION APPLIES TO TRASH, FILL MATERIAL, CONSTRUCTION DEBRIS, GRASS CLIPPINGS, COLLECTED LEAVES, AND CUT BRANCHES.

11. THE EMBANKMENTS, SIDE SLOPES, AND BOTTOM AREAS OF THE SEDIMENT FOREBAYS AND EXTENDED DETENTION/INFILTRATION BASIN AREAS SHALL BE MOWED AT LEAST TWICE ANNUALLY TO FACILITATE MAINTENANCE

12. AN OPERATION AND MAINTENANCE INSPECTION FORM SHALL BE DEVELOPED AND COPIES OF THE COMPLETED FORMS SHALL BE COMPILED BY THE OWNER. THESE FORMS SHALL BE AVAILABLE FOR REVIEW BY THE

13. THE OWNER SHALL CONTRACT WITH A MAINTENANCE COMPANY ON AN ANNUAL BASIS THAT WILL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE STORMWATER MANAGEMENT SYSTEM. THE CONTACT INFORMATION FOR THIS COMPANY SHALL BE PROVIDED TO THE CONSERVATION COMMISSION FOR THEIR FILES.

14. THE STORM WATER BMP'S WILL BE INSPECTED ANNUALLY DURING REGULARLY SCHEDULED MID-SUMMER LANDSCAPING AND WEEDING OPERATIONS FOR INVASIVE OR UNWANTED PLANTS. IF INVASIVE SPECIES ARE FOUND, THEY WILL BE PHYSICALLY UPROOTED AND REMOVED FROM THE AREA.

INVASIVE SPECIES CONTROL PLAN (ISCP)

1. THE OWNER WILL MONITOR THE EXTENDED DETENTION/INFILTRATION BASINS, WET BASIN AND SEDIMENT FOREBAYS PURSUANT TO THE RECOMMENDATIONS OUTLINED IN THE USACE DOCUMENT TITLED "NEW ENGLAND DISTRICT COMPENSATORY MITIGATION GUIDANCE" DOCUMENT, PAGES 24-26 SECTION 4.F. INVASIVE SPECIES.. DUE TO THE PROXIMITY OF THE BMP'S TO THE EXISTING BORDERING VEGETATED WETLAND, THE APPLICANT HAS CHOSEN A MECHANICAL CONTROL METHOD OF REMOVAL. INVASIVE SPECIES WILL BE REMOVED BY HAND (PULLING, MOWING OR EXCAVATING ON-SITE). NO CHEMICAL CONTROL WILL BE UTILIZED.

2. SPECIAL ATTENTION WILL BE GIVEN TO ASSURE THAT NONE OF THE FOLLOWING INVASIVE SPECIES POPULATE THE STORM WATER BMP'S: COMMON REED (PHRAGMITES AUSTRALIS), PURPLE LOOSESTRIFE (LYTHRUM SALICARIA), SMOOTH AND COMMON BUCKTHORN (FRANGULA ALNUS, RHAMNUS CARTHARTICA), RUSSIAN AND AUTUMN OLIVES (ELAEAGNUS ANGUSTIFOLIA AND E. UMBELLATA), MULTIFLORA ROSE (ROSA MULTIFLORA), REED CANARY-GRASS (PHALARIS ARUNDINACEA), AND JAPANESE KNOTWEED (FALLOPIA JAPONICA).

GENERAL ABBREVIATIONS

ACCMP

ETW EXIST.

GRAN

R & R

R & S

GRANITE

LAYOUT

MAXIMUM

MUMINIM

STATION

TOP OF WALL

UNDER CONSTRUCTION

MTRIFIED CLAY PIPE

WHEELCHAIR RAMP

U.S. GEOLOGICAL SURVEY

VERTICAL GRANITE CURB

TEMPORARY BENCH MARK

TAPPING SLEEVE, VALVE AND BOX

STEEL

BIT. CONC.

ASPHALT COATED CORRUGATED METAL PIPE ADJUST **APPROXIMATE** BOTTOM OF CURB BITUMINOUS CONCRETE RENCH MARK BOTTOM OF WALL CEM. CONC. CEMENT CONCRETE CURB INLET CAST IRON PIPE CHANGE IN TYPE CLEARANCE CHAIN LINK FENCE CEMENT LINED DUCTILE IRON CORRUGATED METAL PIPE CORRUGATED PLASTIC PIPE DUCTILE IRON PIPE DRIVEWAY ELEV. OR EL. ELEVATION EDGE OF PAVEMENT EDGE OF TRAVELED WAY FRAME AND COVER FRAME AND GRATE FOUNDATION FILLED WITH DEBRIS HANDICAP HAND HOLE HOT MIX ASPHALT HORIZONTAL LOAM BORROW NOT IN CONTRACT NATIONAL GEODETIC VERTICAL DATUM NOW OR FORMERLY ON CENTER OVERHEAD WIRE PROFILE GRADE LINE PROPOSED POLYVINYLCHLORIDE PIPE PAVEMENT PAVED WATERWAY RELOCATED REMOVE AND DISPOSE REMOVE AND RESE REMOVE AND STACK REINFORCED CONCRETE PIPE STONE BOUND STONE BOUND/DRILL HOLE SHOULDER SLOPED GRANITE CURB

EXISTING LEGEND

ELECTRIC MANHOLE

LIGHT POLE

SWITCH BOX

TRANSFORMER

FIBER OPTIC BOX

SOIL BORING LOCATION

TEST PIT LOCATION

ELECTRIC HAND HOLE

SIZE & TYPE PROPOSED SEWER LINE SIZE & TYPE PROPOSED WATER LINE _ SIZE & TYPE _ PROPOSED GAS LINE PROPERTY LINE CONDUIT SIZE PROPOSED ELECTRIC LINE TYPE PROPOSED CABLE T.V. & TELEPHONE CONCRETE BOUND/DRILL CB/DH CHAIN-LINK FENCE ---- PROPOSED WETLAND REPLICATION AREA WATER GATE PROPOSED SILTATION CONTROL DRAIN MANHOLE ______LOC____ PROPOSED LIMIT OF CLEARING CATCH BASIN DROP INLET (R&D) HYDRANT (R&R) SEWER MANHOLE (AG) CATV MANHOLE CATV HAND HOLE TELEPHONE HAND HOLE (AIP)

PROPOSED LEGEND

SIDEWALK TYPE PROPOSED SIDEWALK

---- x ----- PROPOSED FENCE LINE

— — — — — PROPOSED SETBACK LINE

--- PROPOSED EASEMENT LINE

----- PROPOSED ZONING BOUNDARY

PROPOSED RIP RAP

PROPOSED SIGN POST

PROPOSED LIGHT POLE

PROPOSED GUY POLE

PROPOSED UTILITY POLE

PROPOSED CATCH BASIN

PROPOSED FLARED END

PROPOSED HYDRANT

PROPOSED CURB STOP

PROPOSED HAND HOLE

PROPOSED GAS GATE

SIZE & TYPE PROPOSED DRAIN LINE

PROPOSED WELL LOCATION

PROPOSED ELECTRIC MANHOLE

PROPOSED TRANSFORMER PAD

PROPOSED TELEPHONE MANHOLE

PROPOSED CONTROLLER CABINET

PROPOSED SEPTIC SYSTEM LOCATION

EXISTING STRUCTURE TO BE

DEMOLISHED

ABANDON

REMOVE & DISPOSE

REMOVE & RESET

ADJUST TO GRADE

ABANDON IN PLACE

PROPOSED DRAIN MANHOLE

PROPOSED SEWER MANHOLE

PROPOSED WATER MANHOLE

PROPOSED WATER GATE VALVE

WALL TYPE PROPOSED WALL

888

~O-

SSMH

(T)

CEG

o GG

PROPOSED EDGE GRAVEL DRIVES

PROPOSED LIMIT OF CLEARING

11D INDUSTRIAL DRIVE P.O. BOX 1178 MATTAPOISETT, MA 02739 PROPOSED SPOT GRADE TEL: (508) 758-2749 FAX: (508) 758-2849 PROPOSED PROPERTY LINE THE CROCKER BUILDING 4 COURT STREET SUITE 104 PROPOSED MONUMENT TAUNTON, MA 02780 ////////// PROPOSED BUILDING TEL: (508) 824-9279 FAX: (508) 824-9276 PROPOSED EDGE OF PAVEMENT CURB TYPE PROPOSED CURB

Revisions NO CHANGES THIS SHEET Date Appvo Description 3/16/18 NO SCALE Designed By Checked By RMS RRR Issued For **PERMITTING** RICCID II CIVAL No. 45898

EIELD

CO., INC.

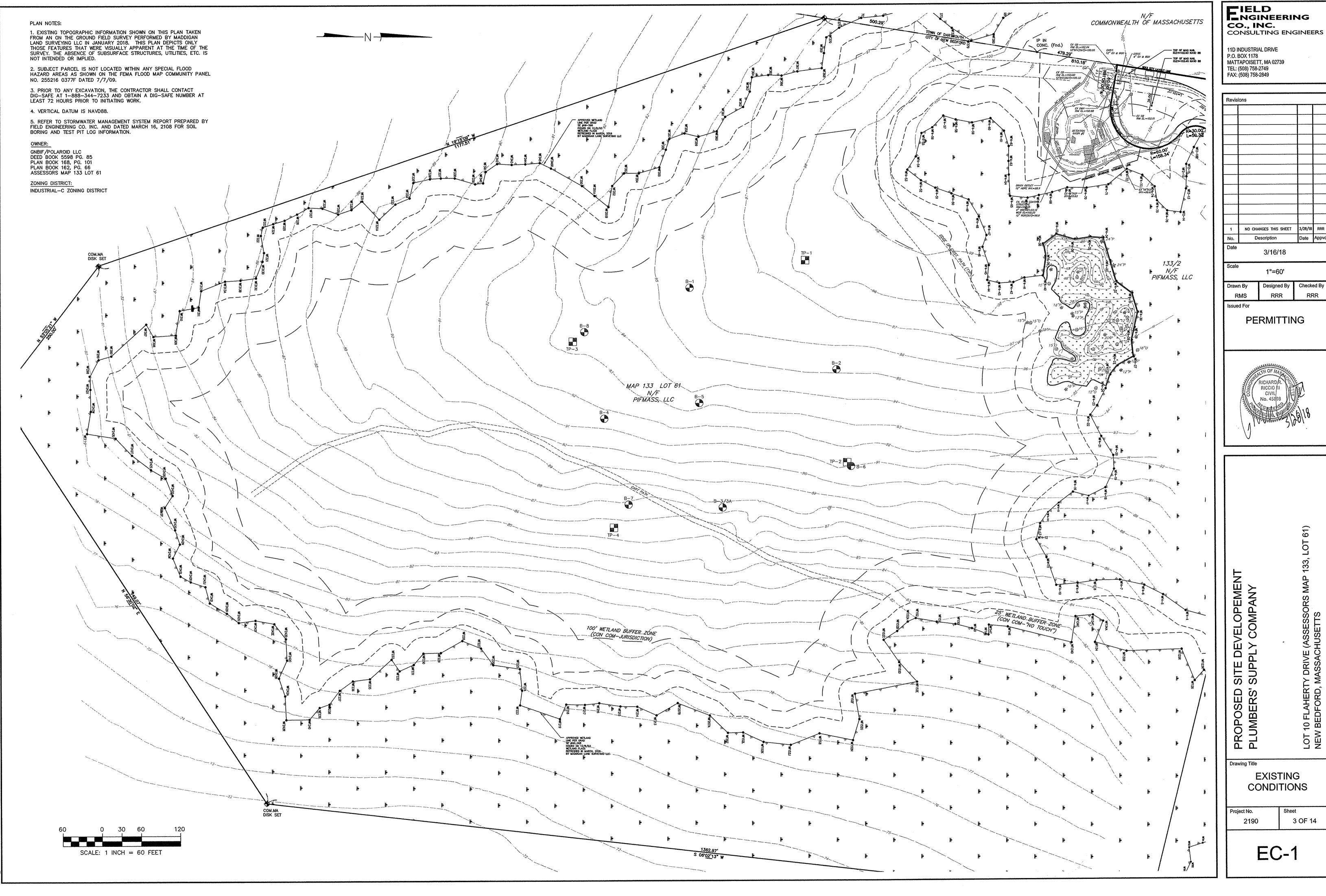
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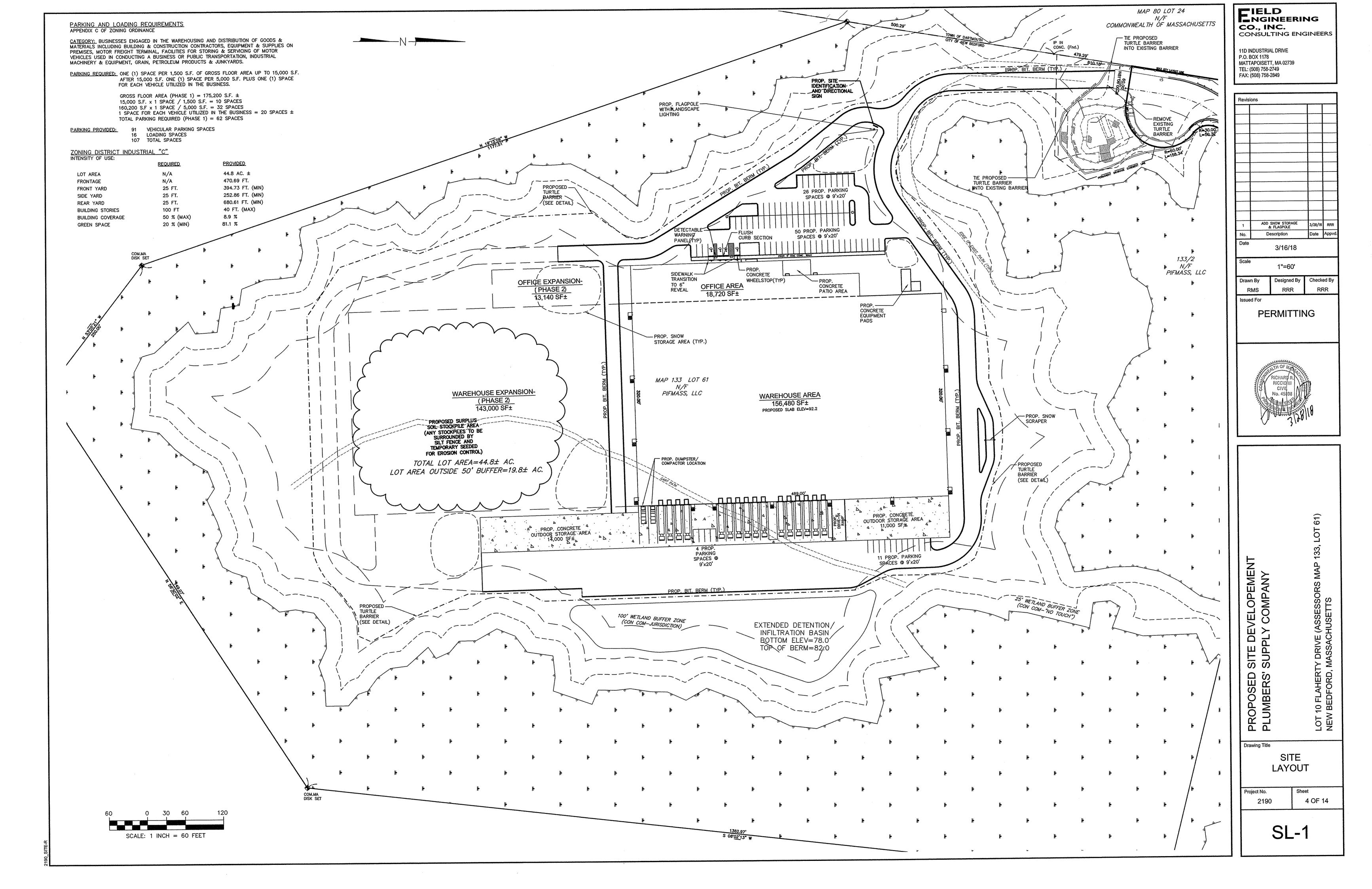
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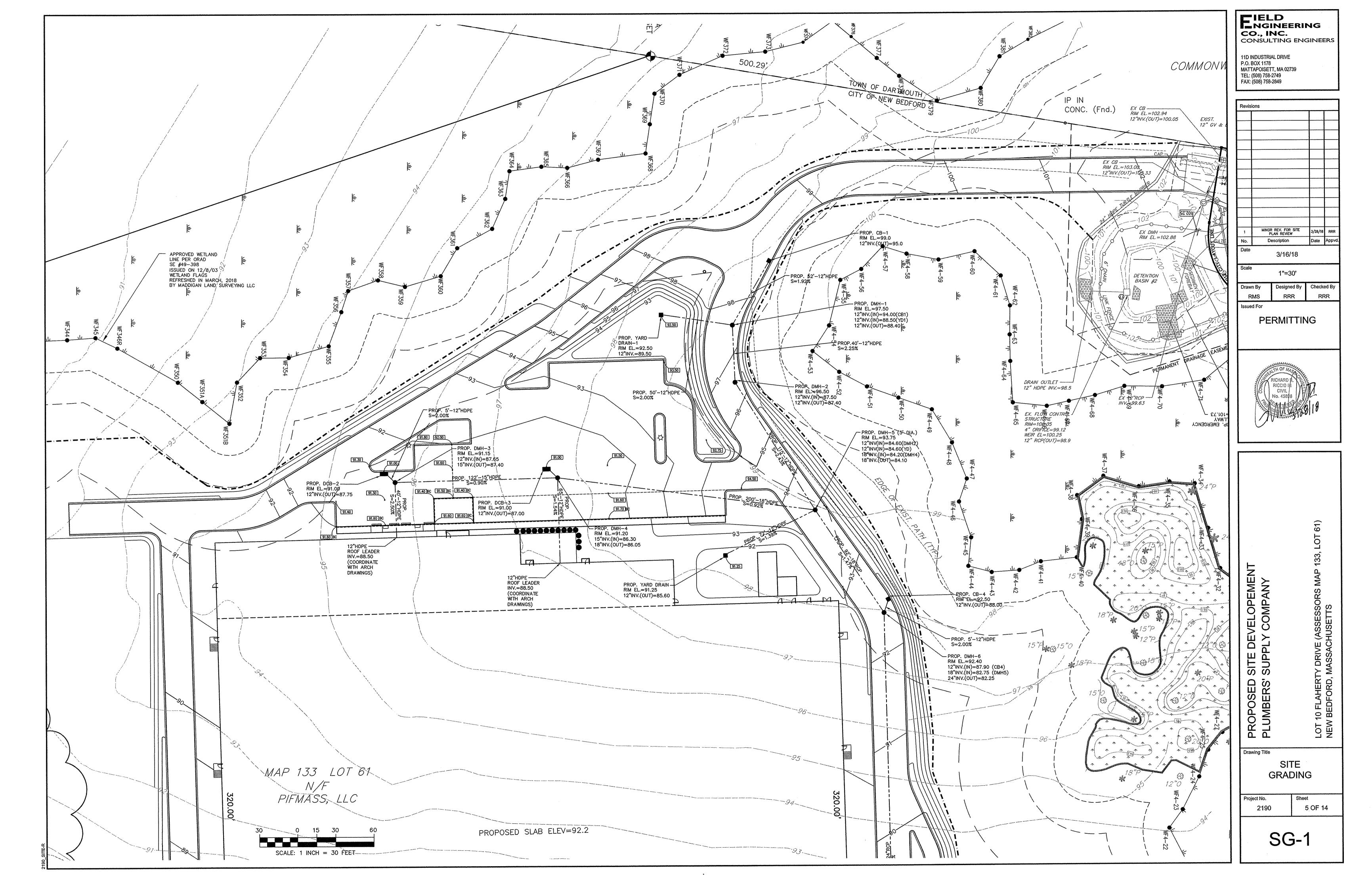
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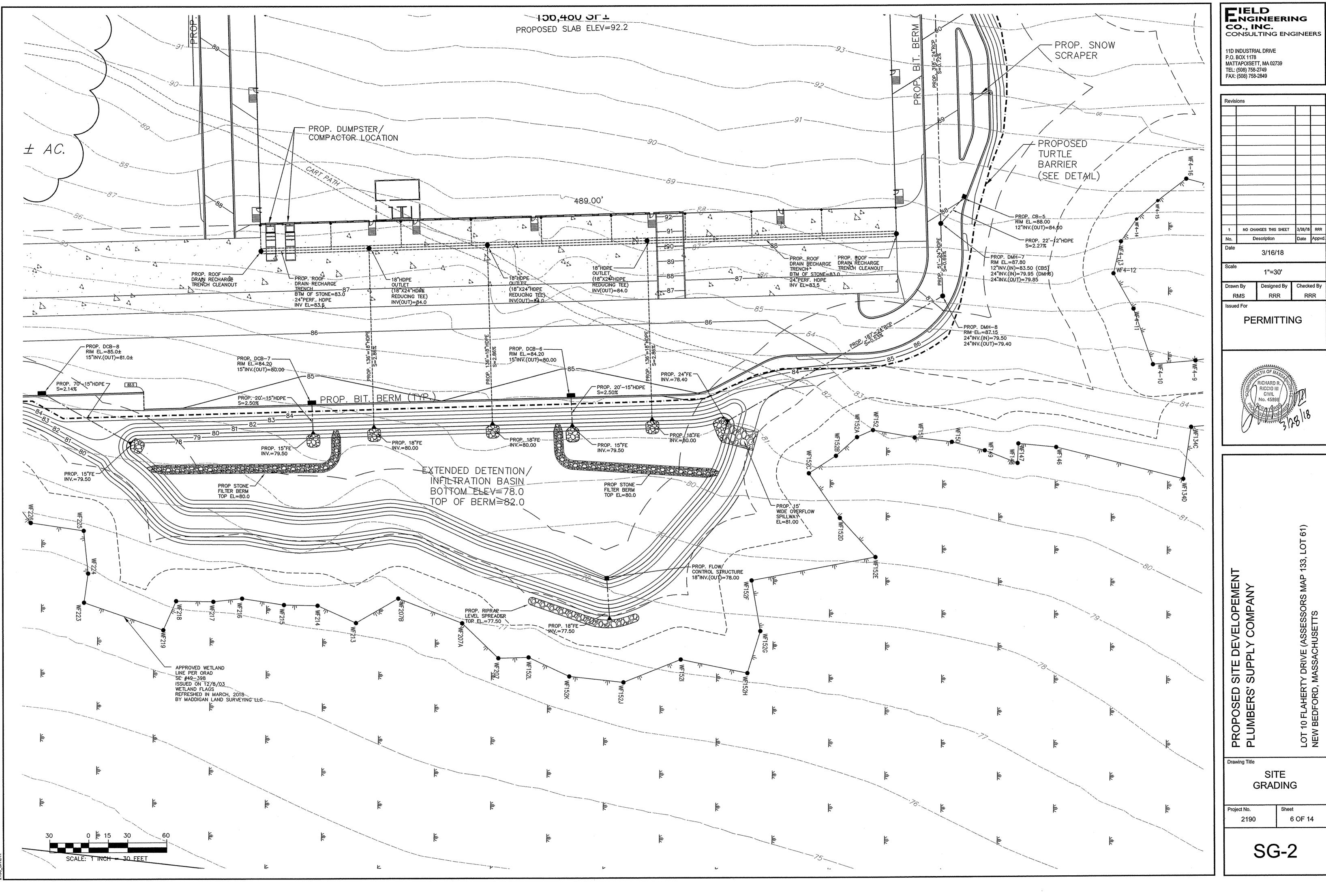
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Sheet Project No. 2 OF 14 2190



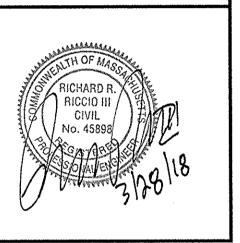


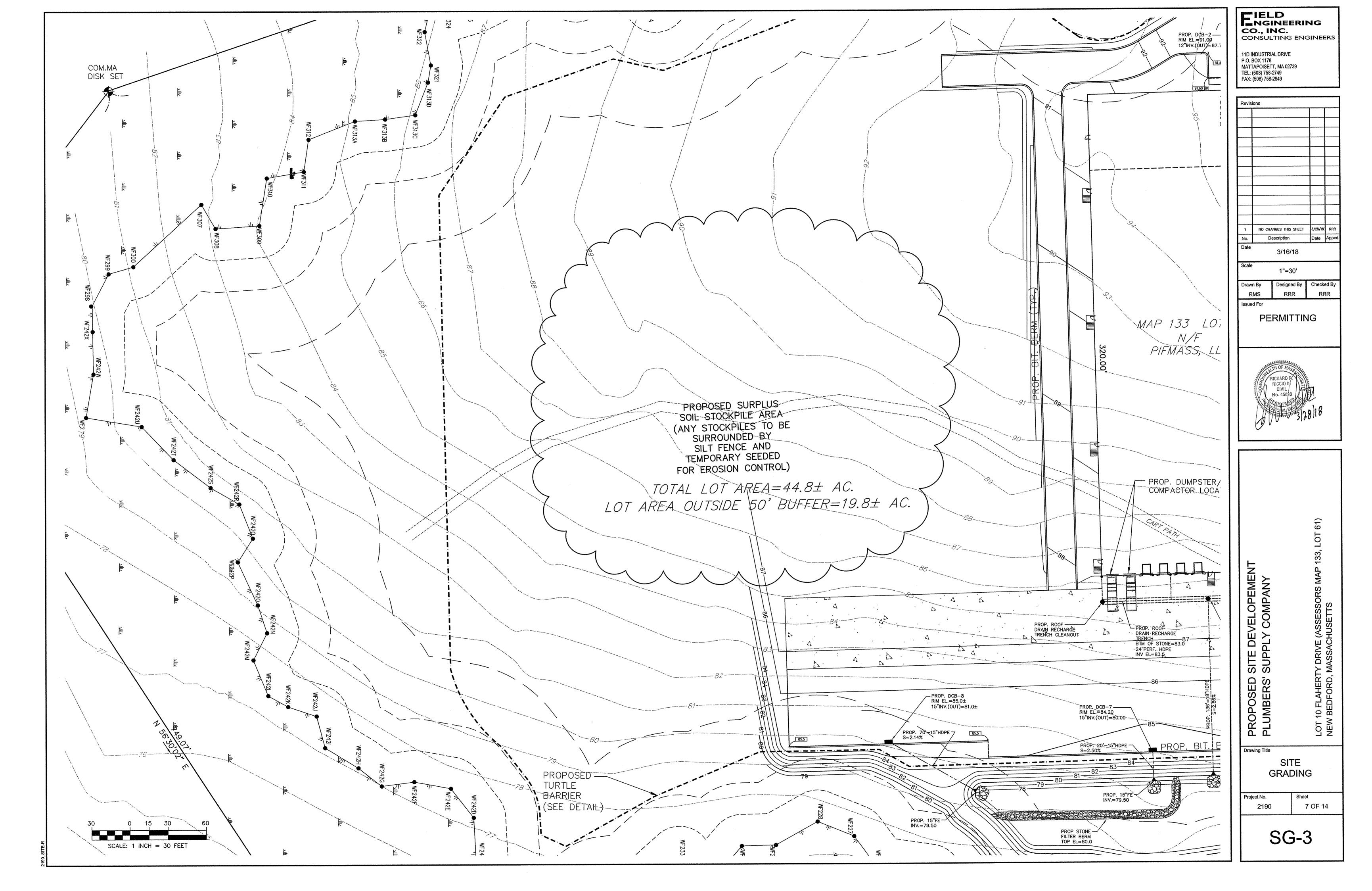


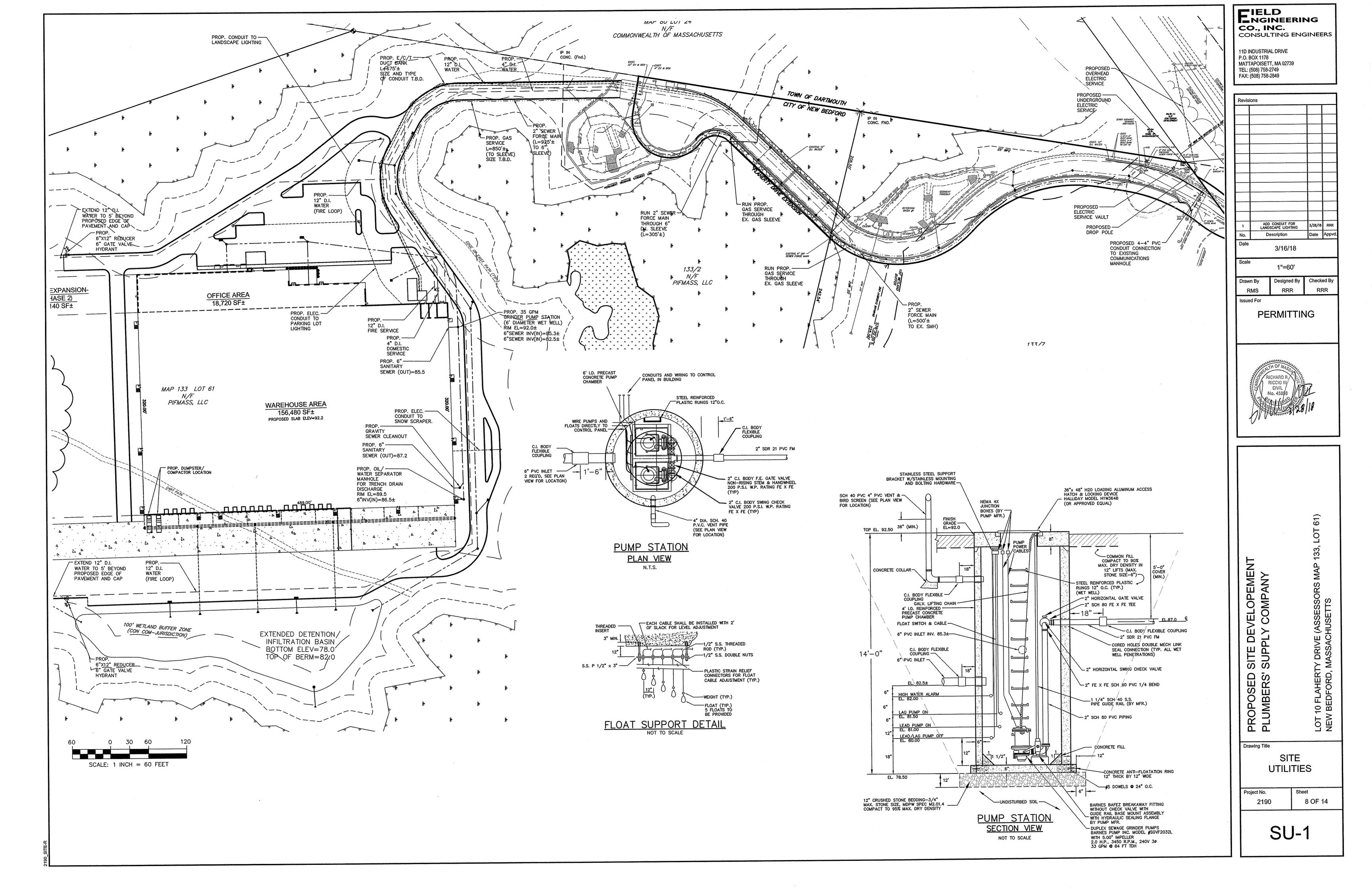


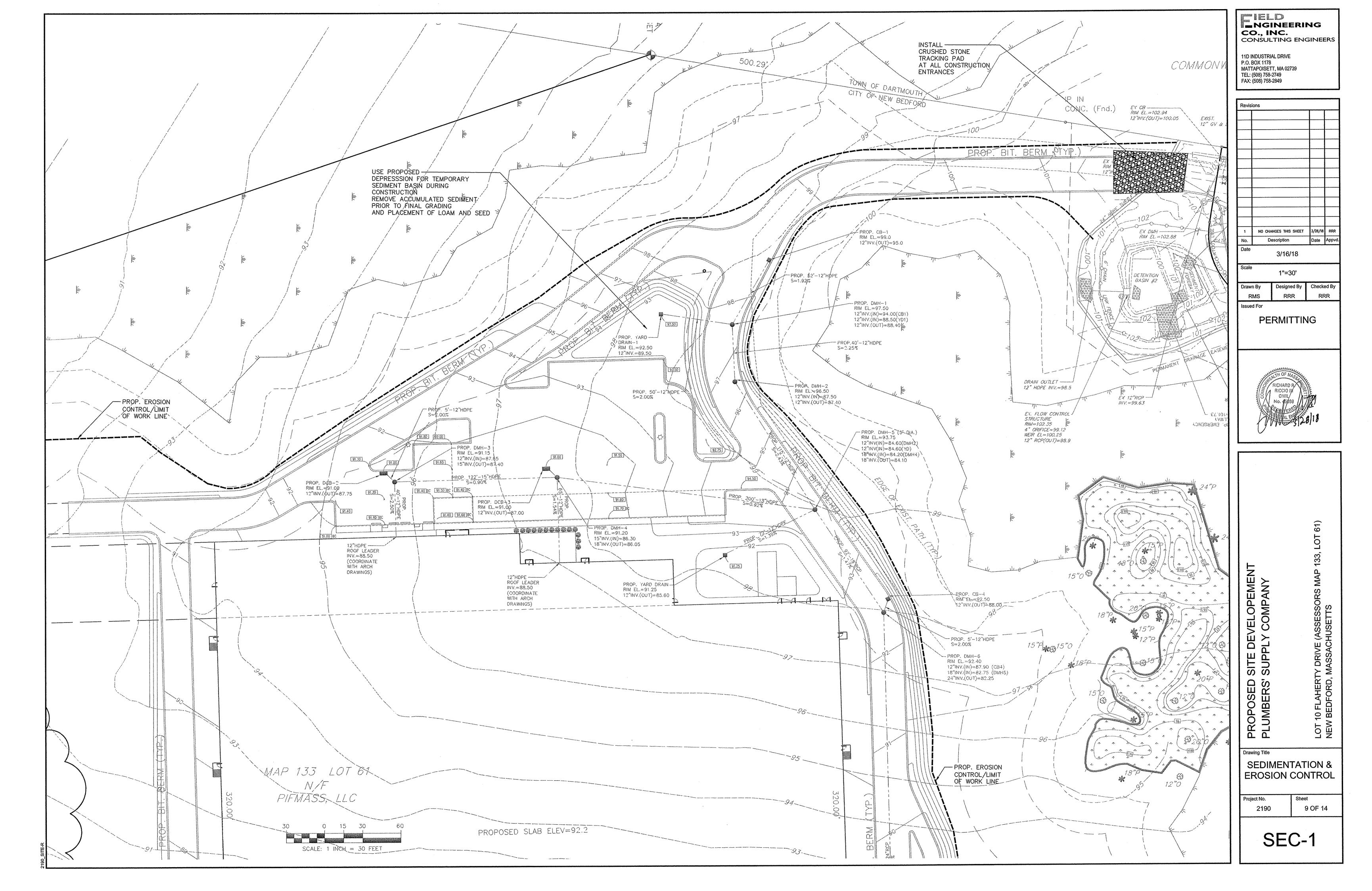
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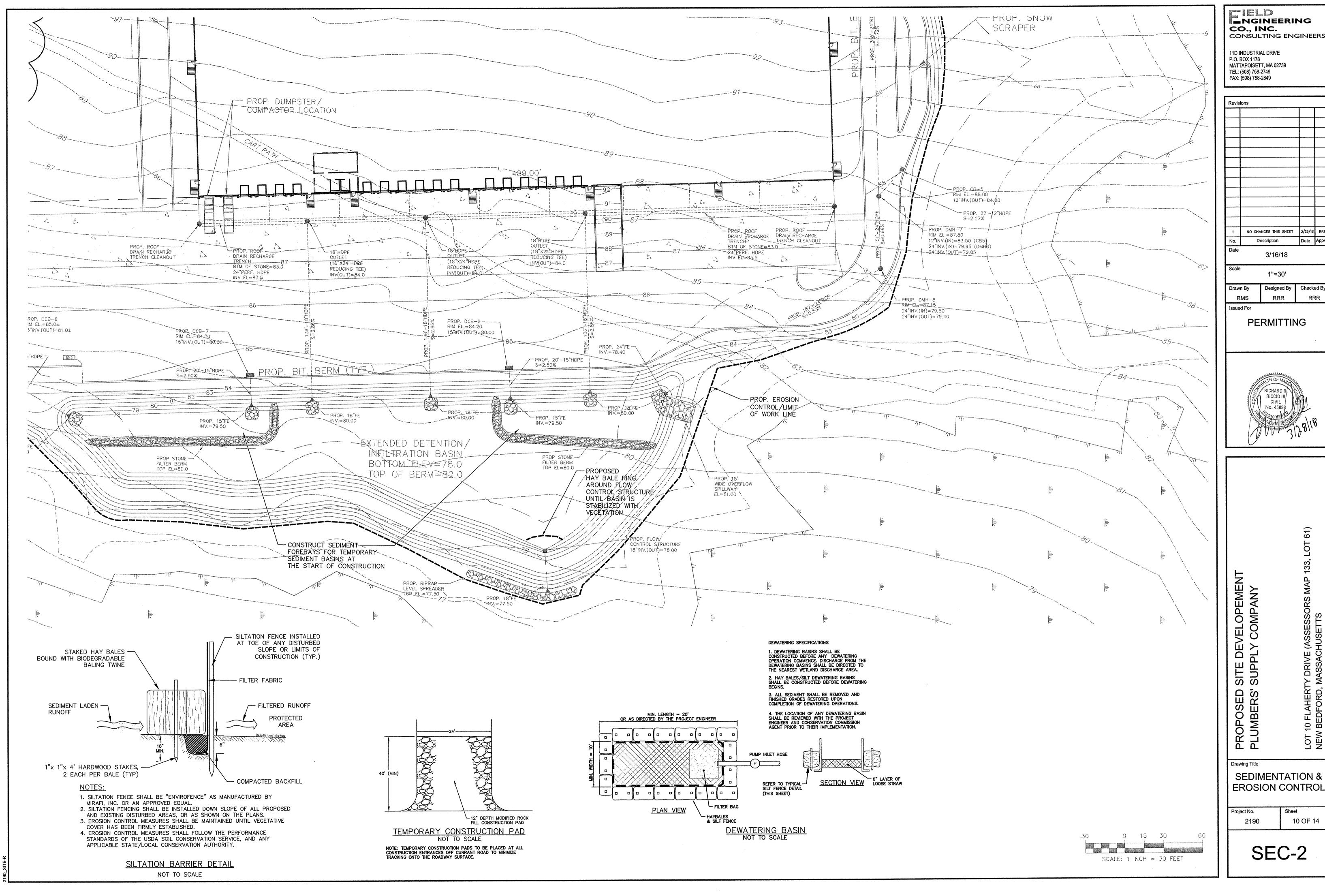
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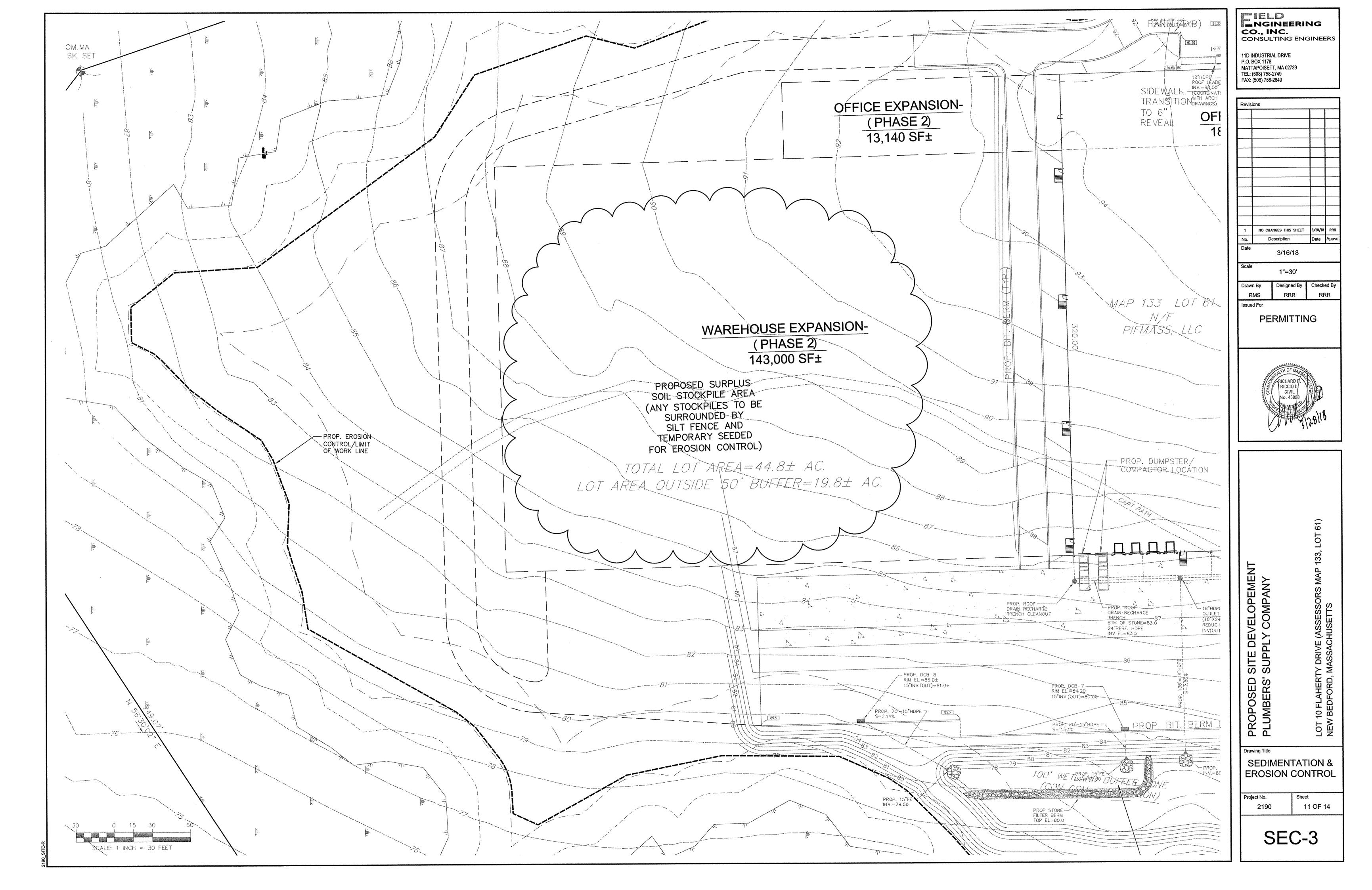


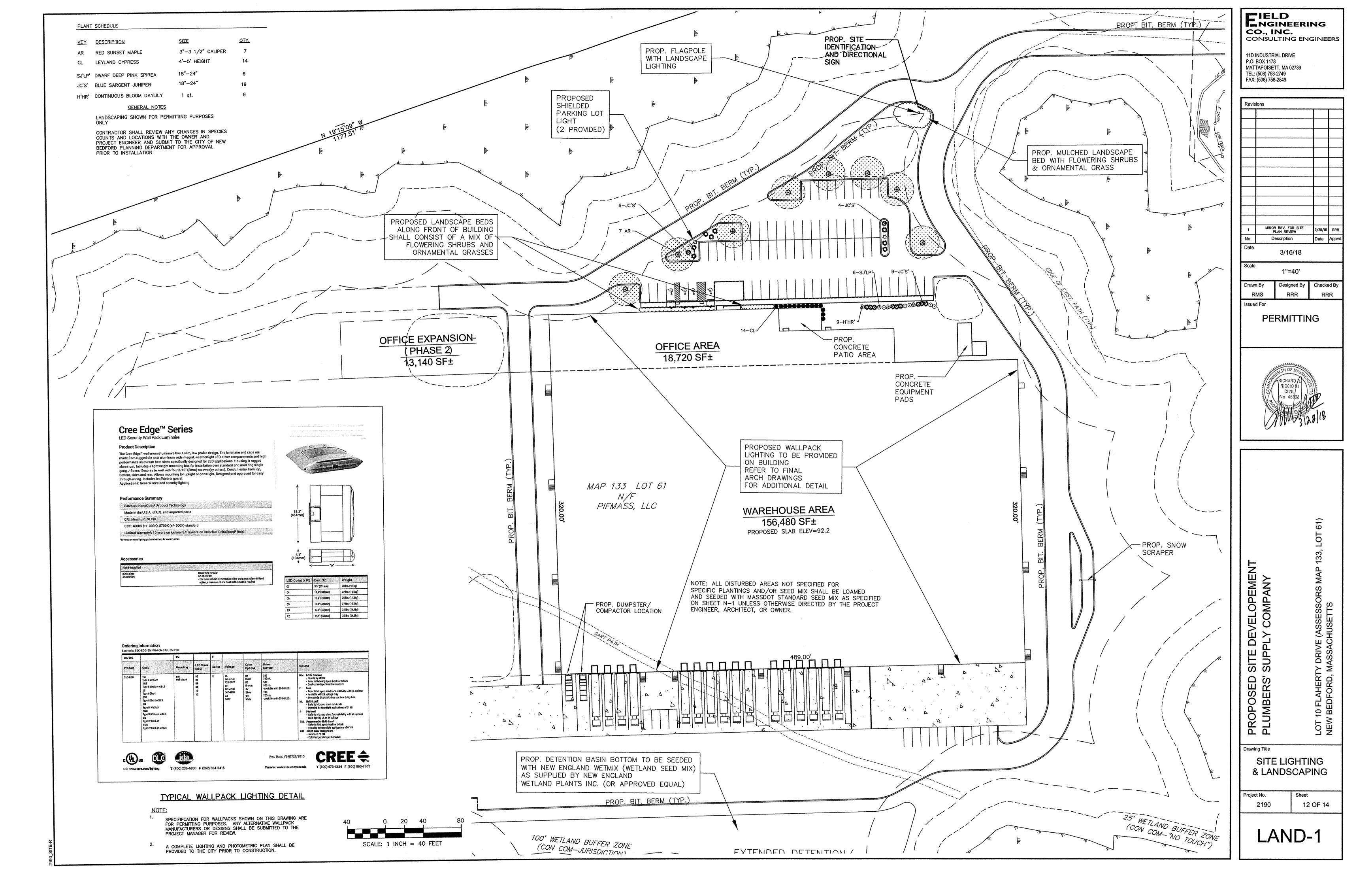


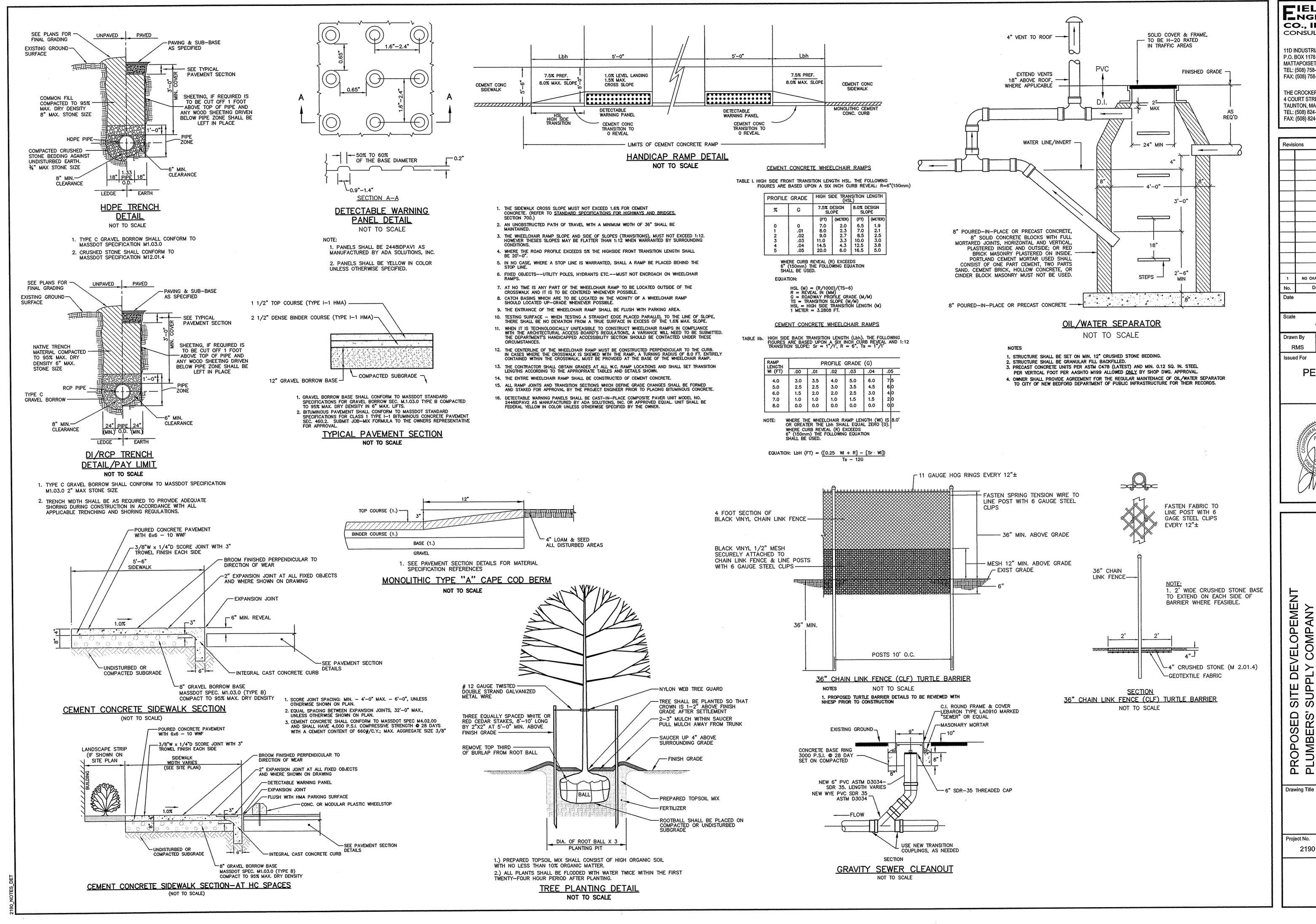
CO., INC.
CONSULTING ENGINEERS

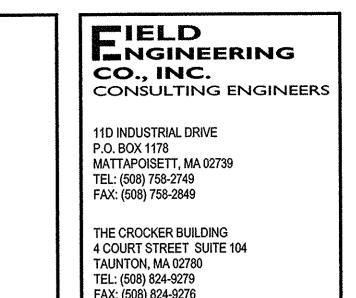
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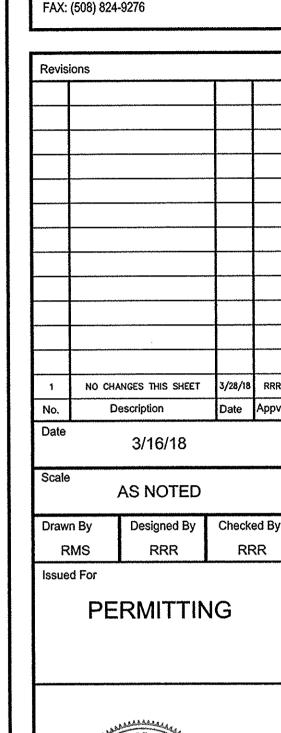
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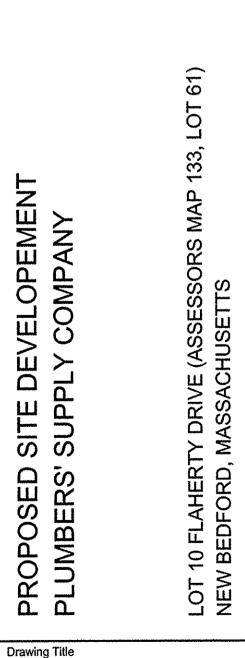






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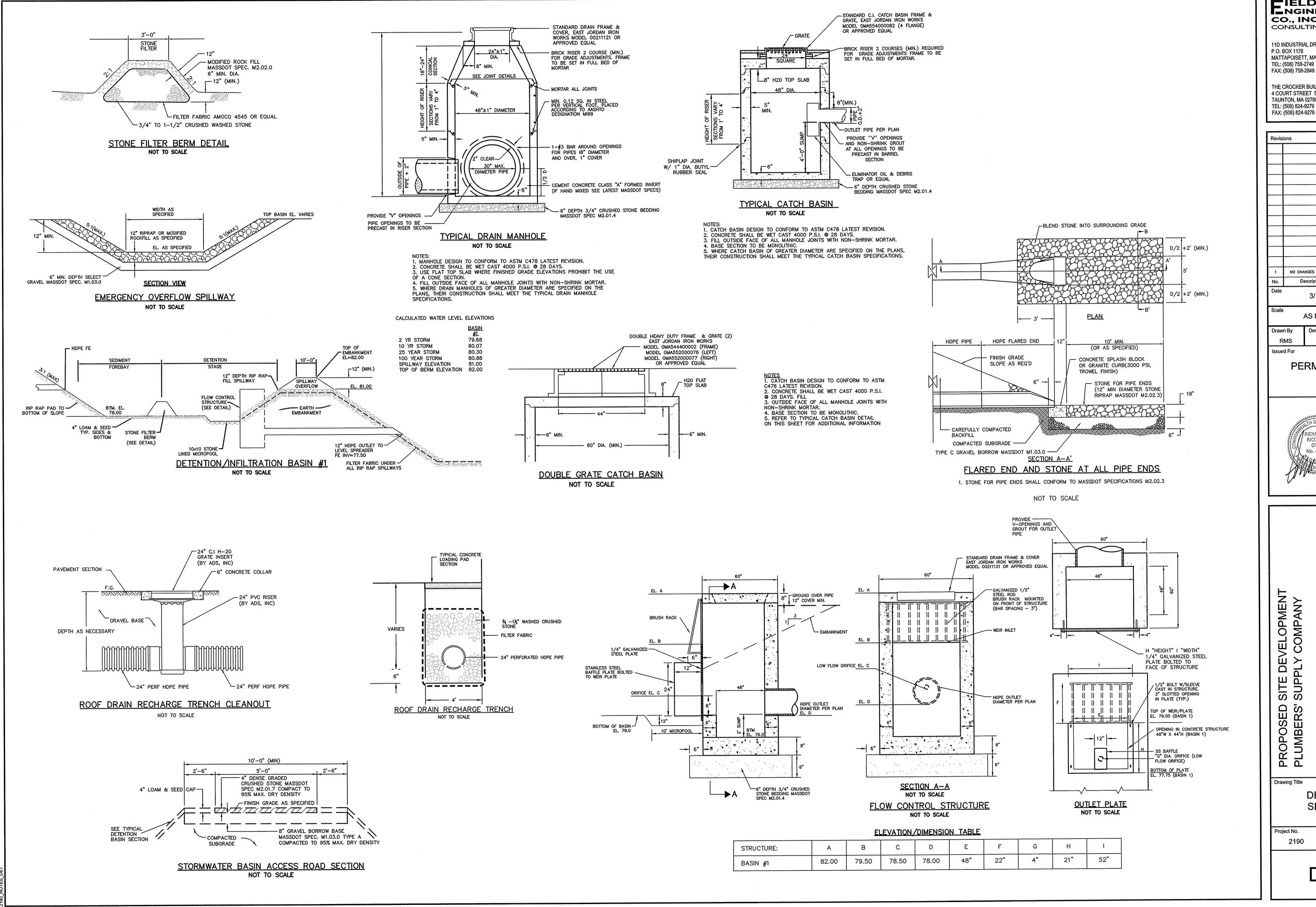
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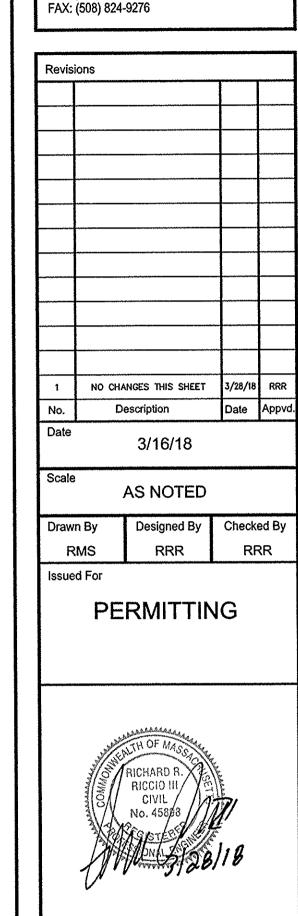
DETAIL

SHEET

13 OF 14



EIELD **L**NGINEERING CO., INC. **CONSULTING ENGINEERS** 11D INDUSTRIAL DRIVE P.O. BOX 1178 MATTAPOISETT, MA 02739 TEL: (508) 758-2749 FAX: (508) 758-2849 THE CROCKER BUILDING 4 COURT STREET SUITE 104 TAUNTON, MA 02780





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