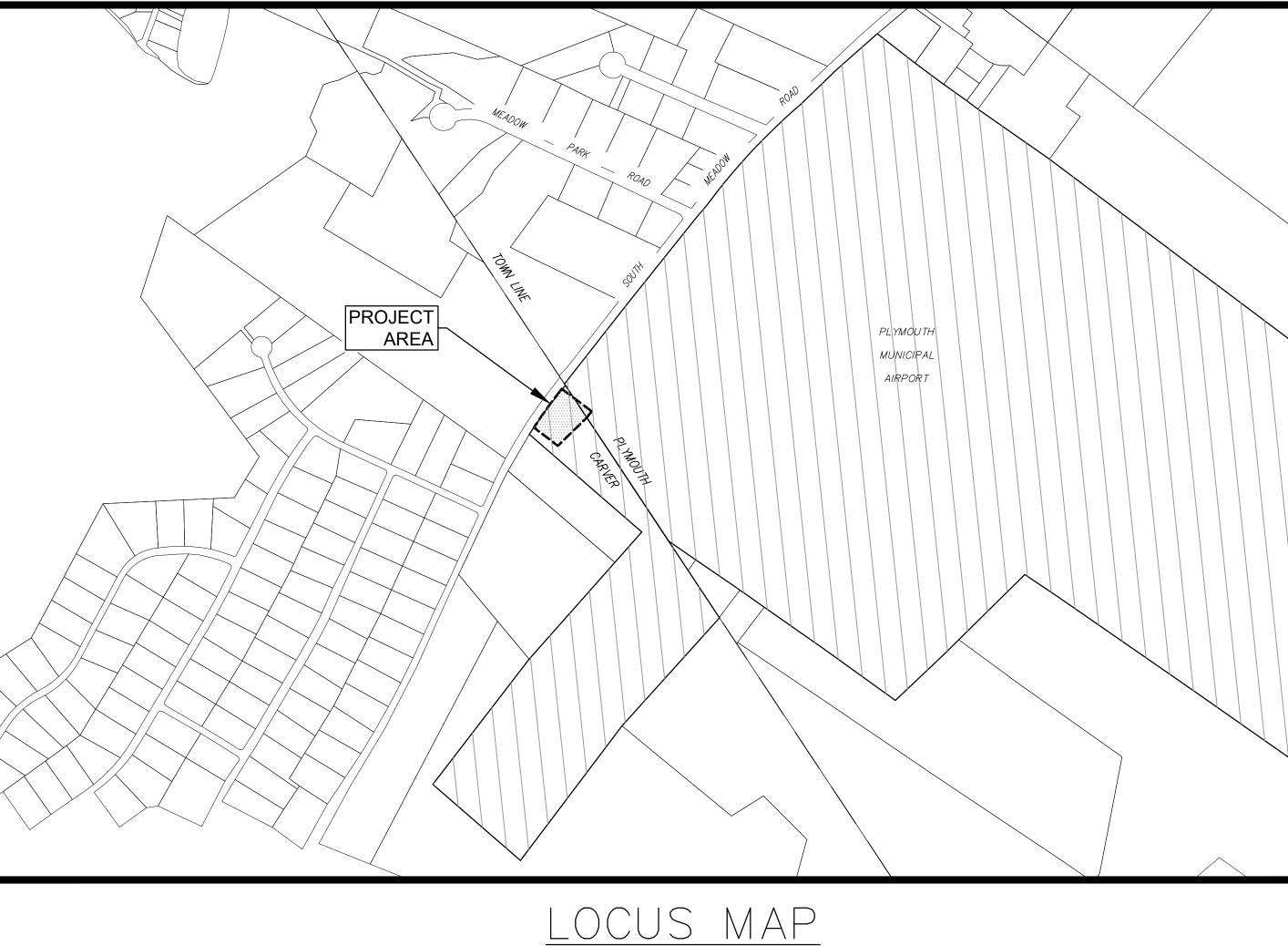
# PROPOSED SITE DEVELOPMENT AT #169 SOUTH MEADOW ROAD CARVER, MASSACHUSETTS



- 1. LOCUS: #169 SOUTH MEADOW ROAD MAP 113 PARCEL 7-0-E
- 2. OWNER: TOWN OF PLYMOUTH 246 SOUTH MEADOW ROAD PLYMOUTH, MA 02360
- 3. DEED REF: Deed Bk: 2517 Pg: 8
- 4. PLAN REF: Plan Bk: 17 Pg: 920
- 5. ZONING DISTRICT: AIRPORT DISTRICT (AP)
- 6. LOCUS DOES NOT FALL WITHIN A SPECIAL FLOOD HAZARD ZONE AS SHOWN ON FEMA FLOOD INSURANCE RATE MAP No. 25023C-0361-K dated 07/06/2021.
- 7. LOCUS DOES NOT FALL WITHIN THE NATURAL HERITAGE and ENDANGERED SPECIES PROGRAM (NHESP) AREAS OF ESTIMATED HABITATS OF RARE WILDLIFÉ and PRIORITY HABITATS OF RARE SPECIES.
- 8. LOCUS DOES NOT FALL WITHIN A ZONE II WELLHEAD PROTECTION AREA NOR DOES THE LOCUS CONTAIN A POTABLE WELL.
- 9. THE LOCATION OF UNDERGROUND UTILITIES AS REPRESENTED ON THESE PLANS IS BASED UPON PLANS AND INFORMATION PROVIDED BY THE RESPECTIVE UTILITY COMPANIES OR MUNICIPAL DEPARTMENTS SUPPLEMENTED BY FIELD IDENTIFICATION WHEREVER POSSIBLE. NO WARRANTY IS MADE AS TO THE ACCURACY OF THESE LOCATIONS OR THAT ALL UNDERGROUND UTILITIES ARE SHOWN. THE CONTRACTOR SHALL CONTACT DIG SAFE AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION. DIG SAFE TELEPHONE NUMBER IS 1-800-322-4844.

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SEPTEMBER 15, 2023 LAST REVISED: FEBRUARY 26, 2023

SHEET INDEX	REVISED DATES			
TITLE SHEET	NO CHANGE	2/26/24		
CONSTRUCTION NOTES	NO CHANGE	2/26/24		
EXISTING CONDITIONS and SITE PREPARATION	NO CHANGE	2/26/24		
LAYOUT and ZONING	11/13/23	2/26/24		
GRADING, DRAINAGE and UTILITES	11/13/23	2/26/24		
CONSTRUCTION DETAILS	11/13/23	2/26/24		
LIGHTING & LANDSCAPE	11/13/23	2/26/24		

Scale : 1" = 500'





# CIVIL ENGINEER / LAND SURVEYOR:



49 HERRING POND ROAD 19 OLD SOUTH ROAD BUZZARDS BAY, MA 02532 NANTUCKET, MA 02554 (Tel) 508.833.0070 (Fax) 508.833.2282

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# **BUILDING DESIGNER:**

R<sup>2</sup> Architects, Inc. 91 SAMOSET STREET PLYMOUTH, MA 02360 W: www.r2arch.com T: 508-746-4646

# **OWNER:**

TOWN OF PLYMOUTH 246 SOUTH MEADOW ROAD PLYMOUTH, MA 02360

# **APPLICANT**:

PLYMOUTH ELKS LODGE #1476 P.O. BOX 1476 PLYMOUTH, MA 02362-1476 T: 508-746-9191

## **GENERAL CONSTRUCTION NOTES:**

- 1. ALL SITE PREPARATION NECESSARY TO COMPLETE THIS PROJECT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 2. ALL NECESSARY POLICE DETAIL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL COORDINATE WITH THE LOCAL POLICE DEPARTMENT.
- THE CONTRACTOR SHALL MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS, PAY ALL FEES INCLUDING POLICE DETAILS AND POST ALL BONDS, IF NECESSARY, ASSOCIATED WITH THE SAME, AND COORDINATE WITH THE OWNER AND THE ENGINEER.
- ALL EXISTING CONDITIONS SHOWN SHALL BE CONSIDERED APPROXIMATE AND ARE BASED ON THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOW EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER PRIOR TO INSTALLING ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED
- 5. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS SHOW ON THESE PLANS ARE BASED ON RECORDS OF VARIOUS UTILITY COMPANIES, AND WHEREVER POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY, ANY GOVERNING PERMITTING AUTHORITY IN THE TOWN, AND 'DIGSAFE" (1-888-344-7233) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK IN PREVIOUSLY UNALTERED AREAS TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBLITY OF THE CONTRACTOR TO RESOLVE CONFLICTS BETWEEN THE PROPOSED UTILITIES AND FIELD LOCATED UTILITIES AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED, INCOMPLETELY OR INACCURATELY SHOW. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCURATE RECORDS OF THE LOCATION AND ELEVATION OF ALL WORK INSTALLED AND EXISTING UTILITIES FOUND DURING CONSTRUCTION FOR THE PREPARATION OF THE AS-BUILT PLAN.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL EXISTING UTILITIES IN WORKING ORDER AND FREE FROM DAMAGE DURING THE ENTIRE DURATION OF THE PROJECT. ALL COST RELATED TO THE REPAIR OF UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.
- THE CONTRACTOR SHALL UTILIZE ALL PRECAUTIONS AND MEASURES TO ENSURE THE SAFETY OF THE PUBLIC, ALL PERSONNEL, AND PROPERTY DURING CONSTRUCTION IN ACCORDANCE WITH OSHA STANDARDS, INCLUDING BARRICADES, SAFETY LIGHTING, CONES, POLICE DETAIL AND/OR FLAGMEN AS DETERMINED NECESSARY BY THE ENGINEER AND/OR TOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF POLICE DETAIL AND FOR COORDINATING WITH THE LOCAL OR STATE POLICE DEPARTMENT FOR ALL REQUIRED POLICE DETAIL.
- ALL TRENCHING WORK WITHIN A ROADWAY SHALL BE COORDINATED WITH THE PROPER LOCAL & STATE AGENCY. TRENCH SAFETY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR INCLUDING ANY LOCAL AND/OR STATE PERMITS REQUIRED FOR THE TRENCHWORK. THIS WORK MAY BE REQUIRED TO TAKE PLACE OUTSIDE OF NORMAL HOURS OF OPERATION FOR THE FACILITY, THE CONTRACTOR SHALL PLAN ACCORDINGLY.
- ALL TRENCH WORK WITHIN EXISTING PAVEMENT SHALL BE SAWCUT PER THE APPLICABLE DETAILS. TRENCHWORK BACKFILL AND COMPACTION SHALL HAVE MAX 8-INCH LIFTS. CONTRACTOR SHALL BE REQUIRED TO REMOVE PATCH AND REPAVE AFTER ONE COMPLETE 12-MONTH CYCLE IF SETTLEMENT OCCURS DUE TO INADEQUATE COMPACTION AS DETERMINED BY THE ENGINEER WITHIN THE WARRANTY PERIOD. 10. THE CONTRACTOR SHALL MAKE ALL CONNECTION ARRANGEMENTS WITH UTILITY COMPANIES, AS REQUIRED.
- 11. ALL IMPORTED MATERIAL, IF REQUIRED, SHALL BE CLEAN. NO MATERIAL WILL BE ACCEPTED FROM AN EXISTING OR FORMER 21E SITE AS DEFINED BY THE MASSACHUSETTS CONTINGENCY PLAN 310 CMR 40.0000.
- 12. SITE LAYOUT SURVEY REQUIRED FOR CONSTRUCTION WILL BE PROVIDED BY THE CONTRACTOR AND SHALL BE CONDUCTED BY A MASSACHUSETTS REGISTERED PROFESSIONAL LAND SURVEYOR. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE SURVEYOR FOR ALL SITE SURVEY
- 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCHMARKS DURING CONSTRUCTION INCLUDING BENCHMARK LOCATIONS AND ELEVATIONS AT CRITICAL AREAS. THE LOCATION OF ALL CONTROL POINTS AND BENCHMARKS SHALL BE COORDINATED WITH THE ENGINEER.
- 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL GRADE STAKES SET BY THE SURVEYOR. GRADE STAKES SHALL REMAIN UNTIL A FINAL INSPECTION OF THE ITEM HAS BEEN COMPLETED BY THE ENGINEER. ANY RE-STAKING OF PREVIOUSLY SURVEYED SITE FEATURES SHALL BE THE RESPONSIBILITY (INCLUDING COSTS) OF THE CONTRACTOR.
- 15. UNLESS OTHERWISE SPECIFIED ON THE PLANS AND DETAILS/SPECIFICATIONS, ALL SITE CONSTRUCTION MATERIALS AND METHODOLOGIES ARE TO CONFORM TO THE MOST RECENT VERSION OF THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (THE MASSACHUSETTS HIGHWAY DEPARTMENT 1988 STANDARD SPECIFICATION FOR HIGHWAYS AND BRIDGES, THE 2002 SUPPLEMENTAL SPECIFICATIONS AND THE 2006 SPECIAL PROVISIONS).
- 16. CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS REGARDING NOISE, VIBRATION, DUST, SEDIMENTATION CONTAINMENT, AND TRENCH WORK.
- 17. SOLID WASTES SHALL BE COLLECTED AND STORED IN A SECURED DUMPSTER. THE DUMPSTER SHALL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS.
- 18. THE CONTRACTOR SHALL RESTORE ALL SURFACES EQUAL TO THEIR ORIGINAL CONDITION AFTER CONSTRUCTION IS COMPLETE. AREAS NOT DISTURBED BY CONSTRUCTION SHALL BE LEFT NATURAL. THE CONTRACTOR SHALL TAKE CARE TO PREVENT DAMAGE TO SHRUBS, TREES, OTHER LANDSCAPING, AND/OR NATURAL FEATURES. WHEREAS THE PLANS DO NOT SHOW ALL LANDSCAPE FEATURES, EXISTING CONDITIONS MUST BE VERIFIED BY THE CONTRACTOR IN ADVANCE OF THE WORK.
- 19. ALL UNPAVED AREAS DISTURBED BY THE WORK SHALL HAVE A MINIMUM OF 4-INCHES OF LOAM INSTALLED AND BE SEEDED WITH GRASS SEED AS SHOWN ON THE PLAN AND/OR DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING ANY LOAM AND SEEDED AREAS UNTIL LAWN GROWTH IS ESTABLISHED AND APPROVED BY THE ENGINEER AND/OR OWNER.
- 20. ALL PROPOSED STRUCTURES SHALL BE DESIGNED BY THEIR MANUFACTURERS FOR AASHTO H-20 LOADING, PRECAST CONCRETE SHALL HAVE A MINIMUM 28-DAY STRENGTH OF 4000 PSI UNLESS OTHERWISE NOTED HEREIN.
- 21. ALL WHEELCHAIR RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATION AND CONSTRUCTION AND TRAFFIC STANDARD DETAILS (1998) DRAWING NUMBER 107.1.0 AND 107.2.0 RAMPS SHALL HAVE AN 8% MAX. SLOPE AND 2% CROSS SLOPE.
- 22. LEDGE OR BOULDER EXCAVATION IS NOT ANTICIPATED FOR THIS SITE. HOWEVER, THE CONTRACTOR SHALL PROVIDE A UNIT PRICE COST IN CUBIC YARD MEASURE FOR LEDGE AND/OR BOULDER REMOVAL. LEDGE AND/OR BOULDERS LESS THAN 1 CUBIC YARD IN SIZE BASED ON THE AVERAGE DIMENSIONS WILL NOT BE CONSIDERED PAYABLE ROCK. UNIT PRICE SHALL BE GIVEN FOR BOTH ON AND OFF SITE DISPOSAL. COST OF REPLACEMENT MATERIAL SHALL BE INCLUDED IF ADDITIONAL FILL MATERIAL IS REQUIRED.
- 23. THE CONTRACTOR SHALL REGULARLY INSPECT THE PERIMETER OF THE PROPERTY TO CLEAN UP AND REMOVE LOOSE CONSTRUCTION DEBRIS BEFORE IT LEAVES THE SITE. ALL DEMOLITION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE SITE TO AN APPROVED DUMP SITE. ALL TRUCKS LEAVING THE SITE SHALL BE COVERED.
- 24. CONCRETE TRUCKS SHALL NOT BE WASHED ONSITE. ANY CEMENT OR CONCRETE DEBRIS LEFT IN THE DISTURBED AREA SHALL BE REMOVED BY HAND AT THE CONTRACTOR'S EXPENSE.
- 25. BURIAL OF ANY STUMPS, SOLID DEBRIS, AND/OR STONES/BOULDERS ONSITE IS PROHIBITED. NO ROAD SALT OR OTHER DE-ICING CHEMICALS SHALL BE USED ON THE ACCESS ROADWAY.
- 26. IF ANY DEVIATION OR ALTERATION OF THE WORK PROPOSED ON THESE DRAWINGS IS REQURIED, THE CONTRACTOR IS TO IMMEDIATELY CONTACT AND COORDINATE WITH THE ENGINEER AND OWNER.
- 27. AT THE END OF CONSTRUCTION, THE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS AND SURPLUS MATERIALS FROM THE SITE. A THOROUGH INSPECTION OF ALL THE WORK PERIMETER IS TO BE MADE AND ALL DISCARDED MATERIALS, BLOWN OR WATER CARRIED DEBRIS, SHALL BE COLLECTED AND REMOVED FROM THE SITE.
- 28. THIS ENGINEERING FIRM MAKES NO DETERMINATION AND ASSUMES NO LIABILITY REGARDING THE STATUS OF THE PROPOSED SITE IMPROVEMENTS WITH REGARDS TO APPLICABLE FEMA STANDARDS, THE MASSACHUSETTS STATE BUILDING CODE, OR OTHER APPLICABLE STANDARDS, RULES, OR REGULATIONS REGARDING CONSTRUCTION IN THE FEMA DESIGNATED SPECIAL FLOOD HAZARD ZONE.
- 29. ALL PROPOSED PLAYGROUND EQUIPMENT AND DESIGN TO BE BY OTHERS.

GENERAL GRADING & DRAINAGE NOTES:

- 1. ALL CUT AND FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
- 2. EXISTING GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT.
- PROPOSED GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT.

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- 4. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
- 5. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
- 6. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLAN AND SPECIFICATIONS FOR EARTHWORK AND COMPACTION REQUIREMENTS FOR ALL SLABS AND BUILDING FOUNDATIONS.
- PROPOSED ELEVATIONS ARE SHOWN TO FINISH PAVEMENT OR GRADE UNLESS NOTED OTHERWISE.
- 8. ALL EARTHWORK AND SITE PREPARATION SHALL BE DONE IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF ANY SUBSURFACE INVESTIGATION OR GEOTECHNICAL REPORTS PREPARED FOR THIS SITE. CONTRACTOR RESPONSIBLE TO OBTAIN AND PAY FOR ANY GEOTECHNICAL REPORTS NECESSARY.
- 9. PARKING AREAS ARE NOT TO BE PAVED UNTIL THE ENTIRE PERMANENT DRAINAGE SYSTEM HAS BEEN INSTALLED AND ALL PIPE CONNECTIONS COMPLETE.
- 10. DRAINAGE PIPING SHALL BE HIGH DENSITY POLYETHYLENE PIPE AND CONFORM TO AASHTO M284 CORRUGATED POLYETHYLENE PIPE. PIPE SHALL BE INSTALLED AT THE LOCATIONS INDICATED ON THE PLAN. MINIMUM CLEARANCE BETWEEN PROPOSED DRAINAGE PIPING AND OTHER UTILITIES/STRUCTURES SHALL BE 18" VERTICALLY AND 4-FT HORIZONTALLY. CPP SHALL BE CAREFULLY BACKFILLED IN ACCORDANCE WITH THE LATEST MASSACHUSETTS HIGHWAY DEPARTMENT STAND SPECIFICATIONS. THE MINIMUM COVER FOR HDPE PIPES IS 1'-0" FOR H-20 TRAFFIC LOADS IF INSTALLED IN ACCORDANCE WITH AASHTO SECTION 30. THIS IS BASED ON EMPIRICAL CALCULATION OF LOAD RESPONSE, MANUFACTURE'S TESTING, AND FIELD EXPERIENCE WITH THE PIPE. AASHTO SPECIFICATIONS SECTION 18.4.1.5 DEFINES THE MINIMUM COVER AS "1D/8 BUT NOT LESS THAN 12 INCHES". THIS COVER IS MEASURED FROM THE PIPE TO THE TOP OF A RIGID (CONCRETE) PAVEMENT OR THE BOTTOM OF A FLEXIBLE (BITUMINOUS) PAVEMENT, BOTH AASHTO AND ASTM AS WELL AS MOST MANUFACTURES, REQUIRE ADDITIONAL (TEMPORARY) COVER FOR CONSTRUCTION LOADS GREATER THAN H-20. GENERALLY, AN ADDITIONAL 2' OF TEMPORARY COVER, MOUNDED OVER THE PIPE AND REMOVED FOR FINAL GRADING AND PAVING IS SUFFICIENT FOR LARGE CONSTRUCTION VEHICLE LOADS.
- 11. BACKFILL ADJACENT TO PIPES AND STRUCTURES SHALL BE OF THE TYPE AND QUALITY CONFORMING TO THAT SPECIFIED FOR THE ADJOINING FILL

- PROTECTED BY A SEDIMENT BARRIER.

- 15. FINISH PERMANENT STABILIZATION. SWEEP THE ROADWAY TO REMOVE ALL SEDIMENTS. REPAIR DRAINAGE OUTLETS AND SWMA(S) AS REQUIRED. THE
- 16. COMPLETE ALL REMAINING PLANTING AND SEEDING.

- LEAVING THE SITE.

- RELATED WORK.

WEATHER EVENTS.

- TO THE OWNER.
- THE OWNER'S ACCEPTANCE.
- - PRIOR TO THE OWNER'S ACCEPTANCE.

MATERIAL. BACKFILL SHALL BE PLACE IN HORIZONTAL LAYERS NOT TO EXCEED SIX INCHES IN THICKNESS AND COMPACTED TO A DENSITY OF 95% OF MAXIMUM DRY DENSITY WITH A MOISTURE CONTENT WITHIN +/-2% OF OPTIMUM. ALL COMPACTION IS TO BE DETERMINED BY AASHTO METHOD T-99. TESTING OF BACKFILL MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

### BASIC CONSTRUCTION SEQUENCE:

THE FOLLOWING CONSTRUCTION SEQUENCE IS TO BE USED AS A GENERAL GUIDELINE. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND ENGINEER AND SUBMIT A PROPOSED CONSTRUCTION SEQUENCE FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

1. SURVEY AND STAKE THE PROPOSED LIMIT OF DISTURBANCE AND LIMIT OF SEDIMENTATION BARRIERS

2. PLACE SEDIMENTATION BARRIERS (STRAWBALES, SILT FENCE, ETC.) AS SHOWN ON THE PLANS AND STAKED OUT IN THE FIELD. IN NO CASE IS THE LIMIT OF WORK TO EXTEND BEYOND THE SEDIMENTATION BARRIERS/LIMIT OF DISTURBANCE AS SHOWN ON THE PROJECT PLANS.

TEMPORARY CONSTRUCTION ENTRANCES TO BE INSTALLED IF NECESSARY. NO OTHER ENTRANCES SHALL BE USED TO GAIN ACCESS TO THE SITE BY ANY CONSTRUCTION OR DELIVERY VEHICLES. 4. BEGIN CLEARING THE SITE AND DEMOLITION AS REQUIRED.

5. SURVEY AND STAKE CENTERLINE OF THE PROPOSED DRAINAGE SYSTEMS, DRAINAGE LINES, AND SEPTIC COMPONENTS.

EXCAVATE AND ROUGH GRADE THE PROPOSED STORMWATER MANAGEMENT AREAS (SWMA) AND ANY ADDITIONAL TEMPORARY BASINS NECESSARY TO CONTROL SITE RUNOFF AND SEDIMENTS. PERMANENT SWMA SEEDING AND PLANTING SHALL BE COMPLETED AFTER THE CONTRIBUTING AREA TO THE BASIN HAS REACHED A MINIMUM OF 80% STABILIZATION AND IS NO LONGER REQUIRED TO BE USED AS A CONSTRUCTION SEDIMENTATION BASIN. 7. BEGIN CLEARING AND DEMOLITION IN AREAS OF BUILDING, PARKING LOTS, SEPTIC, PLAYGROUND, AND STORMWATER MANAGEMENT AREAS. TOPSOIL IS TO BE STRIPPED FROM THE AREA OF THE PROPOSED WORK AND SWMA AND STOCKPILED IN APPROVED LOCATIONS. TOPSOIL STOCKPILES ARE TO BE

8. INSTALL TEMPORARY CONVEYANCE DEVICES (SWALES, CHECK DAMS, PIPES, ETC.) AS NECESSARY TO CONVEY RUNOFF TO TREATMENT AREAS.

9. BEGIN ROUGH GRADING AREAS FOR PARKING, PLAYGROUND AND BUILDINGS. BRING ROUGH GRADING TO PROPER ELEVATIONS AS SOON AS PRACTICABLE. WORK SHALL PROGRESS DILIGENTLY TO MINIMIZE TIME SOILS ARE UN-STABILIZED.

10. BEGIN UTILITY AND SEPTIC CONSTRUCTION, CONTRACTOR SHALL BE FREE TO INSTALL UTILITIES IN ANY ORDER HE/SHE CHOOSES. ANY EROSION CONTROL DEVICE DISTURBED DURING THE UNDERGROUND UTILITY CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED OR REPLACED IN KIND AND STABILIZED. MODIFY TEMPORARY CONVEYANCE DEVICES AS NECESSARY TO CONVEY RUNOFF TO TREATMENT AREAS.

11. INSTALL DRAINAGE PIPES, DRAINAGE MANHOLES AND UNDERGROUND DRAINAGE STRUCTURES. WORK SHALL BEGIN AT THE SWMA(S) AND PROGRESS UP-GRADIENT, PROTECT DISCHARGE OUTLETS WITH RIP-RAP APRONS. THE SWMA(S) AND DRAINAGE NETWORK ARE TO BE PROTECTED FROM SEDIMENTATION WITH SILT FENCE AND STRAWBALES UNTIL ALL UN-STABILIZED AREAS ARE STABILIZED WITH STONE SUB-BASE OR VEGETATION. INSTALL SEDIMENT BARRIERS AT ALL POINTS OF ENTRY INTO THE DRAINAGE NETWORK. PARTICULAR CARE SHALL BE TAKEN TO PROTECT THE UNDERGROUND SWMA(S) FROM SEDIMENT.

12. PERMANENTLY SEED ALL DISTURBED AREAS OUTSIDE OF THE AREA TO BE PAVED OR GRAVELED.

13. ONCE ALL UNDERGROUND UTILITIES HAVE BEEN CONSTRUCTED, PLACE COMPACTED GRAVEL FOUNDATION AND ROUGH GRADE THE PARKING AREAS IN ACCORDANCE WITH THE SITE PLANS AND IN ACCORDANCE WITH APPLICABLE STATE AND LOCAL REGULATIONS AS SOON AS POSSIBLE. 14. BEGIN PARKING CONSTRUCTION PER SITE PLANS AND IN ACCORDANCE WITH APPLICABLE STATE AND LOCAL REGULATIONS. PARKING AREAS ARE NOT

TO BE PAVED UNTIL THE ENTIRE PERMANENT DRAINAGE SYSTEM HAS BEEN INSTALLED AND ALL PIPE CONNECTIONS COMPLETE.

CONTRACTOR SHALL CLEAN AND FLUSH THE DRAINAGE STRUCTURES AND PIPES AT THE END OF CONSTRUCTION AND ALL ACCUMULATED SEDIMENTS IN THE SWMA(S) SHALL BE REMOVED. CONTRACTOR SHALL INSPECT THE DRAINAGE NETWORK AND REPAIR ANY DAMAGE IMMEDIATELY.

17. REMOVAL OF ALL TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES FOLLOWING VEGETATIVE ESTABLISHMENT OF ALL DISTURBED AREAS SHALL BE APPROVED BY THE ENGINEER AND WHEN THE CONTRIBUTING AREA HAS REACHED A MINIMUM OF 80% STABILIZATION. EROSION & SEDIMENT CONTROL NOTES:

1. THE SITE CONSTRUCTION FOREMAN SHALL BE DESIGNATED AS THE ON-SITE PERSONNEL RESPONSIBLE FOR THE DAILY INSPECTION AND MAINTENANCE OF ALL SEDIMENT AND EROSION CONTROLS AND SHALL IMPLEMENT ALL NECESSARY MEASURES TO CONTROL EROSION AND PREVENT SEDIMENT FROM

THE CONTRACTOR SHALL INSTALL ALL EROSION AND SEDIMENT CONTROL (ESC) MEASURES AS SHOWN ON THE SIGNED PLANS IN CONSULTATION WITH THE TOWN, AND AS DETERMINED NECESSARY IN THE FIELD BY THE ENGINEER BEFORE ANY CONSTRUCTION ACTIVITIES ARE TO BEGIN. THESE MEASURES SHALL BE CHECKED, MAINTAINED, REPLACED AS NECESSARY DURING THE ENTIRE CONSTRUCTION PERIOD OF THE PROJECT, SUCH MEASURES SHALL REPRESENT THE LIMIT OF WORK. WORKERS SHALL BE INFORMED THAT NO CONSTRUCTION ACTIVITY IS TO OCCUR BEYOND THE LIMIT OF WORK AT ANY TIME THROUGH THE CONSTRUCTION PERIOD.

3. A MINIMUM SURPLUS OF 50 FEET OF EROSION CONTROL BARRIER (SILT FENCE, STRAWBALE AND/OR SILT SOCK) SHALL BE STOCKPILED ONSITE AT ALL TIMES. STOCKPILE EROSION & SEDIMENT CONTROL MEASURES IN A DRY AND ACCESSIBLE PLACE.

4. THE CONTRACTOR SHALL PROTECT THE ADJACENT PROPERTIES FROM SEDIMENTATION DURING PROJECT CONSTRUCTION UNTIL ACCEPTANCE BY THE 5. IF WARRANTED, A CONSTRUCTION EXIT SHALL BE CONSTRUCTED AS SHOWN IN THE DETAILS TO SHED DIRT FROM CONSTRUCTION VEHICLE TIRES. THE

CRUSHED STONE PAD WILL BE REPLACE/CLEANED AS NEEDED TO MAINTAIN ITS EFFECTIVENESS. THE LIMIT OF ALL CLEARING, GRADING AND DISTURBANCES SHALL BE KEPT TO A MINIMUM WITHIN THE PROPOSED AREA OF CONSTRUCTION. THE

CONTRACTOR SHALL PHASE THE SITE WORK IN A MANNER TO MINIMIZE AREAS OF EXPOSED SOIL. IF TREES ARE TO BE CUT ON THE ENTIRE SITE, ONLY THOSE AREAS WHICH ARE ACTIVELY UNDER CONSTRUCTION SHALL BE GRUBBED. THE REQUIRED SEDIMENTATION CONTROL FACILITIES MUST BE PROPERTY ESTABLISHED, CLEARLY VISIBLE AND IN OPERATION PRIOR TO INITIATING ANY LAND CLEARING ACTIVITY AND/OR OTHER CONSTRUCTION

IT IS THE CONTRACTOR'S RESPONSIBILITY TO MONITOR LOCAL WEATHER REPORTS DURING CONSTRUCTION AND PRIOR TO SCHEDULING EARTHMOVING OR OTHER CONSTRUCTION ACTIVITIES WHICH WILL LEAVE LARGE DISTURBED AREAS UN-STABILIZED. IF INCLEMENT WEATHER IS PREDICTED, THE CONTRACTOR SHALL USE THEIR BEST PROFESSIONAL JUDGEMENT WHEN SCHEDULING CONSTRUCTION ACTIVITIES AND SHALL BE RESPONSIBLE FOR ENSURING THE NECESSARY EROSION CONTROL DEVICES ARE INSTALLED AND FUNCTIONING PROPERTY TO MINIMIZE EROSION FROM ANY IMPENDING

ESC MEASURES SHALL BE INSPECTED AND MAINTAINED ON A WEEKLY BASIS AND AFTER EACH RAINFALL EVENT OF 0.50 INCH OR GREATER DURING CONSTRUCTION TO ENSURE THAT THE EROSION AND SEDIMENTATION CONTROL MEASURES ARE INTACT AND FUNCTIONING PROPERLY. IDENTIFIED DEFICIENCIES SHALL BE CORRECTED IMMEDIATELY NO LATER THAN 24 HOURS AFTER IDENTIFICATION.

9. SOIL STOCKPILES LEFT OVERNIGHT SHALL BE SURROUNDED ON THEIR PERIMETERS WITH SILT SOCK, SILT FENCE, STRAWBALES OR A COMBINATION OF SILT FENCE WITH STRAWBALE, AS DETERMINED NECESSARY.

10. DISTURBED AREAS AND SLOPES SHALL NOT BE LEFT UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON. THE CONTRACTOR SHOULD PROVIDE APPROPRIATE STABILIZATION PRACTICES ON ALL DISTURBED AREAS AS SOON AS POSSIBLE BUT NOT MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY AREAS HAVING A SLOPE GREATER THAN 3:1 SHALL BE REINFORCED WITH EROSION BLANKETS OR APPROVED EQUAL UNTIL THE SITE IS PROPERTY STABILIZED. TEMPORARY SWALES MAY ALSO BE REQUIRED IF DETERMINED NECESSARY IN THE FIELD BY THE ENGINEER.

11. THE CONTRACTOR SHALL INSTALL A SILT SACK OR APPROVED EQUIVALENT IN EACH EXISTING CATCH BASIN RECEIVING RUNOFF FROM THE SITE. UPON THE INSTALLATION OF EACH CATCH BASIN, THE CONTRACTOR SHALL INSTALL A SILT SACK OR APPROVED EQUIVALENT. THESE ARE TO BE INSPECTED AFTER EACH SIGNIFICANT STORM EVENT AND REMOVED AND EMPTIED AS NEEDED DURING THE ENTIRE CONSTRUCTION PERIOD.

12. SMALL, TEMPORARY, SEDIMENTATION BASINS MAY BE CONSTRUCTED ON AN AS-NEEDED BASIS DURING CONSTRUCTION TO AND IN THE CAPTURE OF SITE RUNOFF AND SEDIMENT. IT WILL BE THE RESPONSIBILITY OF THE SITE CONTRACTOR, IN CONSULTATION WITH THE ENGINEER, TO SIZE AND CREATE THESE BASINS IN APPROPRIATE LOCATIONS.

13. THE CONTRACTOR SHALL CONTAIN ALL SEDIMENT ONSITE. ALL EXITS FROM THE SITE WILL BE SWEPT AS NECESSARY INCLUDING ANY SEDIMENT TRACKING. PAVED AREAS SHALL BE SWEPT AS NEEDED TO REMOVE SEDIMENT AND POTENTIAL POLLUTANTS WHICH MAY ACCUMULATE DURING SITE

14. ACCUMULATED SEDIMENT SHALL BE REMOVED FROM ALL TEMPORARY PRACTICES AND DISPOSED OF IN A PRE-APPROVED LOCATION BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.

15. THE CONTRACTOR SHALL PROVIDE ONSITE OR MAKE READILY AVAILABLE THE NECESSARY EQUIPMENT AND SITE PERSONNEL DURING CONSTRUCTION HOURS FOR THE DURATION OF THE PROJECT TO ENSURE ALL ESC DEVICES ARE PROPERLY MAINTAINED AND REPAIRED IN A TIMELY AND RESPONSIBLE MANNER. IF SITE WORK IS SUSPENDED DURING THE WINTER MONTHS, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE PERSONNEL AND EQUIPMENT EITHER ONSITE OR MAKE READILY AVAILABLE TO ENSURE ALL ESC DEVICES ARE PROPERLY MAINTAINED AND REPAIRED IN A TIMELY AND RESPONSIBLE

16. PROPER MEASURES SHALL BE IMPLEMENTED BY THE CONTRACTOR IF DEWATERING IS NECESSARY DURING CONSTRUCTION. THESE MEASURES SHALL INCLUDE DEWATERING BAGS, TEMPORARY STRAWBALES, SILT FENCES, SILT SOCKS, AND/OR OTHER APPROVED DEVICES. THE DEWATERING SET UP SHALL BE APPROVED BY THE ENGINEER.

17. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS AS NECESSARY, OR AS DIRECTED BY THE ENGINEER AT NO EXTRA COST

18. THE CONTRACTOR IS RESPONSIBLE FOR THE INSPECTION AND MAINTENANCE DURING CONSTRUCTION OF ALL STORMWATER FACILITIES INSTALLED OR AFFECTED BY THE PROJECT. ANY SEDIMENT OR DEBRIS COLLECTED WITHIN THESE FACILITIES FROM THE PROJECT WORK SHALL BE REMOVED PRIOR TO

STORMWATER FACILITY OPERATION & MAINTENANCE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSPECTION AND MAINTENANCE OF ALL STORMWATER MANAGEMENT FACILITIES UNTIL SUCH TIME THAT THE PARKING LOT, BUILDING, AND ASSOCIATED UTILITIES ARE ACCEPTED BY THE OWNER AND THE ENGINEER. 2. THE CONTRACTOR SHALL INSPECT AND RESTORE/CLEAN ALL FACILITIES (INLETS, MANHOLES, INFILTRATION BASINS, ETC.) OF SEDIMENT AND DEBRIS

3. ALL SEDIMENT AND DEBRIS SHALL BE DISPOSED OF PRO

- 4. THE CONTRACTOR SHOULD REFER TO THE OPERATION OPERATION AND MAINTENANCE REQUIREMENTS AND SHA
- 5. ALL STORMWATER FACILITIES SHALL BE INSPECTED BY CONSTRUCTION PROJECT AND THE FIRST 3 MONTHS AF
- 6. SPECIFIC ANNUAL MAINTENANCE SHALL BE AS FOLLOWS
- DRAINAGE STRUCTURES (INLETS & CATCH BASI OPERATION, COLLECTION OF LITTER OR TRASH,
- AS NECESSARY, AND REPAIRED WHEN REQUIRED. INFILTRATION/RAINGARDEN SYSTEM: THE SYSTEM IF SEDIMENT OR ORGANIC DEBRIS BUILD-UP HAS
- RAINGARDEN THE SYSTEM SHALL BE CLEANED IN ROUTINE MAINTENANCE: OTHER ROUTINE MAINTEN AND ANNUAL STREET SWEEPING AFTER THE SPRI PIPES DRAINING THE PROJECT WILL BE INSPECTED
- NOTE: OPERATION AND MAINTENANCE CHECKLIST AVAILABLE

NATER	3	SEWER	INSTALLATION	NOTES:

UTILITY TYPE	MINIMUM COVER
WATER MAIN	

1. SEWER AND WATER MAINS SHALL BE INSTALLED ACCOR

- 2. DEAD END WATER LINES SHALL BE INSULATED WHERE DISTANCE SPECIFIED ABOVE AND/OR WHERE SHOWN ON
- 3. INSULATION SHALL BE 2" THICK POLYURETHANE INSULA
- 4. WATER AND SEWER SEPARATION SHALL TYPICALLY BE MAINS (SEE DETAIL). IF SITE CONDITIONS REQUIRE LES

## WATER SYSTEM NOTES:

- 1. THE CONTRACTOR SHALL CONSTRUCT THE WATER LINE AND SPECIFICATIONS AND PAY FOR ALL ASSOCIATED FE
- 2. THE CONTRACTOR SHALL SUPPLY TWO COPIES OF SWOP REQUIRED BY THE STANDARD SPECIFICATIONS TO WHICH
- 3. ALL NEWLY INSTALLED WATER SYSTEM COMPONENTS SH PRIOR TO SYSTEM TESTING AND SHALL BE WITNESSED I FOREIGN MATERIALS.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL TO THE OWNER.

WATER SYSTEM INSTALLATION INSPECTION NO

- 1. THE CONTRACTOR SHALL SUPPLY TO THE ENGINEER TWO AND TESTED AS REQUIRED BY THE STANDARD SPECIFIC
- 2. A PRESSURE TEST AND DISINFECTION TEST OF ALL WAT INSPECTOR OF THE ENGINEER. THE CONTRACTOR SHALL WATER DEPARTMENT PRIOR TO THE PRESSURE AND DIS EQUIPMENT AND CHEMICALS TO PROPERLY CONDUCT TH
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE TO COLLECT
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN LOCATION WITHIN TWO TIES OFF ALL SYSTEM COMPONEN FOR THE PREPARATION OF RECORD PLANS.

——онw——	EXISTING	OVERHEAD WIRES
UGE	EXISTING	UNDERGROUND E
s	EXISTING	SEWER LINES
w	EXISTING	WATER LINES
D	EXISTING	DRAINAGE LINES
90	EXISTING	CONTOURS
90x5	EXISTING	SPOT GRADE
ж.	EXISTING	HYDRANT
ø§o	EXISTING	WATER VALVE
S	EXISTING	SEWER MANHOLE
$\bigcirc$	EXISTING	DRAIN MANHOLE
▦	EXISTING	CATCH BASIN
С.	EXISTING	UTILITY POLE
G	EXISTING	GUY WIRE
ELEC METER	EXISTING	ELECTRIC METER
	EXISTING	LIGHT POLE
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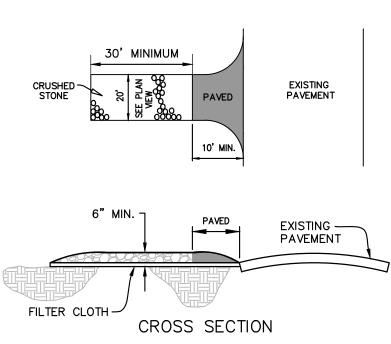
OPERLY IN A PF	RE-APPROVED LOC	ATION.	
		NAL INFORMATION PERTAINING TO STORMWATER FACILITY	
		N SITE AT ALL TIMES.	
		AJOR RAINFALL EVENT FOR THE ENTIRE DURATION OF THE ROPER STABILIZATION AND CONSTRUCTION.	
S:			
I <u>NS):</u> ALL DRA ND STRUCTURAL	INAGE STRUCTURES	S WILL BE INSPECTED ANNUALLY TO MONITOR FOR PROPER PIPES AND STRUCTURES SHALL BE CLEANED OF SEDIMENT	
		TO ENSURE THAT DESIGN INFILTRATION RATES ARE BEING MET.	
LIMITED THE IN	IFILTRATION CAPAB	ILITIES AND BUILT UP WITHIN THE CHAMBERS AND/OR TURER'S AND/OR ENGINEER'S REQUIREMENTS.	
		TRASH AND LITTER FROM THE SITE AND PERIMETER AREAS,	
	VOID EXCESSIVE AC OR PROPER FLOW.	CUMULATION OF SEDIMENT IN THE DRAINAGE SYSTEM. THE	
E UPON REQUES	ST .		
		HORIZONTAL DISTANCE TO	
ER OVER TOP OF		DRAIN STRUCTURE	
		ES TO PREVENT FREEZING OF THE MAIN OR SEWER.	
SOIL COVER OR N PLANS.	HORIZONTAL SEPAI	RATION TO PRECAST STRUCTURES IS LESS THAN THE	
ATION WITH PVC	JACKET PLACED A	ROUND PIPE OR DESIGNER APPROVED EQUAL.	
		D 18-INCHES VERTICAL WITH SEWER MAINS BELOW THE WATER INSTALLED AS SHOWN IN THE CONSTRUCTION DETAILS.	
	TENANCE IN ACCO D BY THE WATER	RDANCE WITH THE LOCAL WATER DEPARTMENT'S STANDARDS DEPARTMENT.	
	S TO PROVE THAT IS MANUFACTUREI	ALL PIPES AND FITTINGS ARE INSPECTED AND TESTED AS	
		MATERIALS SUCH AS DIRT AND MISCELLANEOUS DEBRIS	
BY THE LOCAL	WATER DEPARTMEN	T. NOT TESTING IS ALLOWED WITHOUT REMOVAL OF ALL	
AND REMOVE A	LL NECESSARY BLC	W-OFFS REQUIRED FOR THIS PROJECT AT NO EXTRA COST	
OTES:			
		S TO PROVE THAT ALL PIPE AND FITTINGS ARE INSPECTED	
	CH THE MATERIAL I		
LL BE RESPONSI	BLE FOR PROVIDING	BY THE CONTRACTOR AND WITNESSED BY THE APPROVED A MINIMUM OF 48-HOUR ADVANCE NOTICE TO THE LOCAL	
HE TESTS.	S. THE CONTRACT	OR SHALL BE RESPONSIBLE TO PROVIDE ALL NECESSARY	
ALL BACTERIOL	OGICAL SAMPLES A	AND PAY FOR ALL RELATED LABORATORY FEES.	
		S AND NOTES INDICATE THE HORIZONTAL AND VERTICAL DRAWINGS AND NOTES WILL BE UTILIZED BY THE ENGINEER	
	MEGE NO DOIET		
LEGE	IND		
S		PROPOSED EDGE OF CLEARING	
ELECTRIC	•	PROPOSED BOLLARD	
		PROPOSED BIKE RACK PROPOSED SEWER LINES	
<b>、</b>	\$		MENTH OF MASS
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	00x0 / 00.0x	PROPOSED SPOT GRADES	Jermen Sint
_		PROPOSED CAPE COD BERM	u
<u>-</u>		PROPOSED HDPE DRAIN PIPE	
	—— R ——	PROPOSED ROOF LEADERS	
	~~~~~	PROPOSED EDGE OF LAWN	Data and Dur
	— x —	PROPOSED EROSION CONTROL	Prepared By:
			<u>RACKEN</u>
< compared with the second sec			ENGINEERING, INC.
			49 HERRING POND ROAD19 OLD SOUTH ROADBUZZARDS BAY, MA 02532NANTUCKET, MA 02554
			(tel) 508.833.0070 (tel) 508.325.0044
			(fax) 508.833.2282 www.brackeneng.com Sheet Title:
ING			CONSTRUCTION NOTES
			Project:
ING			PROPOSED SITE
			DEVELOPMENT IN CARVER, MA
			Prepared For:
			PLYMOUTH ELKS LODGE 1476
			#169 SOUTH MEADOW ROAD MAP: 113 PARCEL: 7-0-E
			2         2/26/24         REV. PER REVIEW COMMENTS         RED           1         11/13/23         NO CHANGE         RED
			No.DateRevision DescriptionBy
			Date: Drawn: Checked: Sheet:

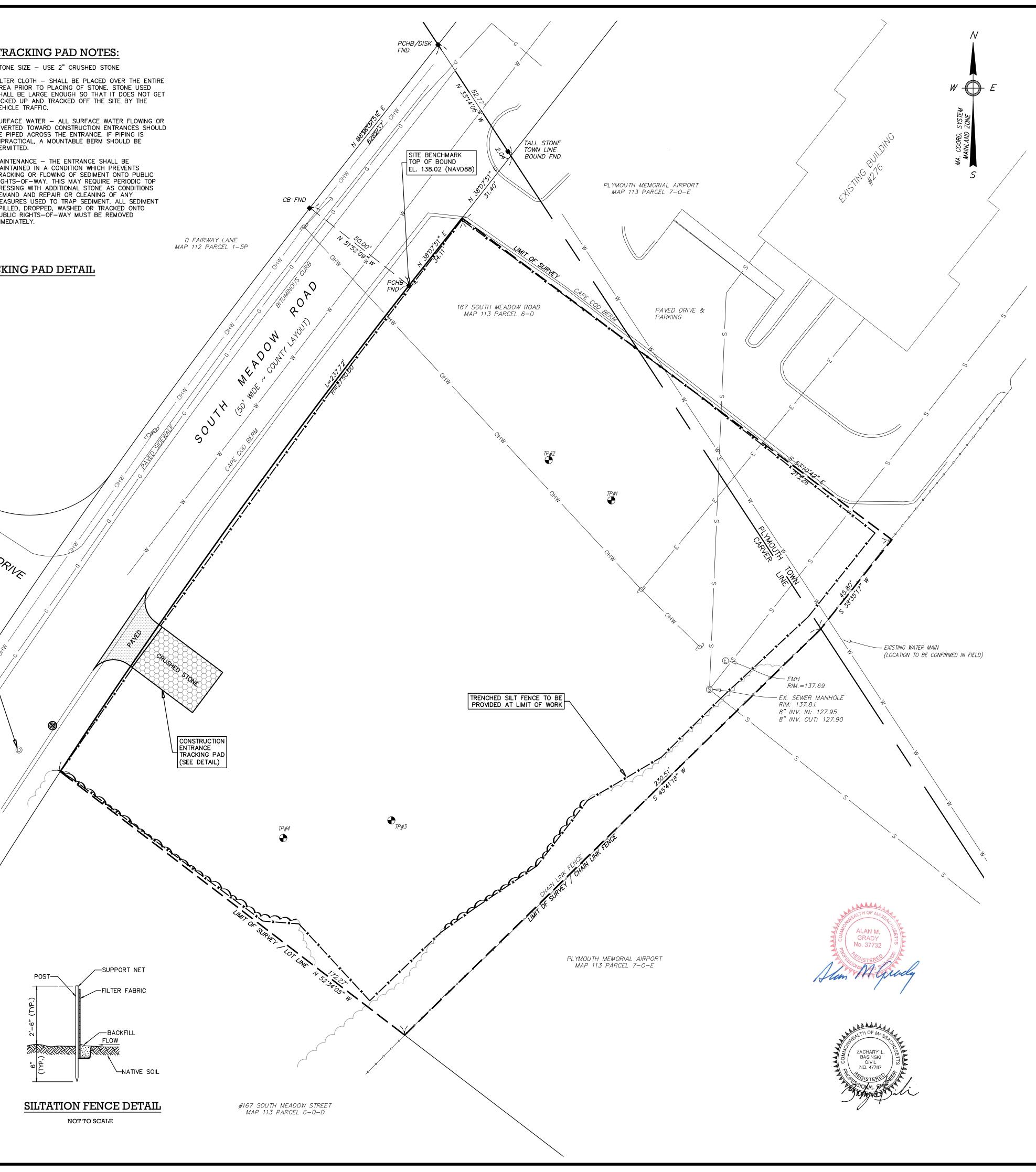
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## PROJECT NOTES

- THE CONTRACTOR SHALL REPORT TO THE OWNER AND ENGINEER OF ANY SIGNIFICANT VARIATIONS IN EXISTING SITE CONDITIONS FROM THOSE SHOWN ON THESE PLANS. ANY PROPOSED REVISIONS TO THE WORK, IF REQUIRED BY THESE SITE CONDITIONS SHALL NOT BE UNDERTAKEN UNTIL REVIEWED AND APPROVED BY THE OWNER AND THE ENGINEER.
- 2. THE LOCATION OF UNDERGROUND UTILITIES AS REPRESENTED ON THESE PLANS IS BASED UPON PLANS AND INFORMATION PROVIDED BY THE RESPECTIVE UTILITY COMPANIES OR MUNICIPAL DEPARTMENTS SUPPLEMENTED BY FIELD IDENTIFICATION WHEREVER POSSIBLE. NO WARRANTY IS MADE AS TO THE ACCURACY OF THESE LOCATIONS OR THAT ALL UNDERGROUND UTILITIES ARE SHOWN. THE CONTRACTOR SHALL CONTACT DIG SAFE AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION. DIG SAFE TELEPHONE NUMBER IS 1-800-322-4844.
- THE CONTRACTOR SHALL VERIFY THE LOCATION, SIZE AND DEPTH OF EXISTING UTILITIES PRIOR TO TAPPING INTO, CROSSING OR EXTENDING THEM. IF THE NEW WORK POSES A CONFLICT WITH EXISTING UTILITIES, THE ENGINEER SHALL BE NOTIFIED PRIOR TO THE CONTRACTOR CONTINUING.
- THE PLYMOUTH WATER DISTRICT WATER DEPARTMENT SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO ANY WORK ON THE WATER SYSTEM.
- PROJECTS ELEVATIONS ARE BASED THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- 6. ALL DISTURBED LANDSCAPE AND HARDSCAPE AREAS TO BE RE-ESTABLISHED.



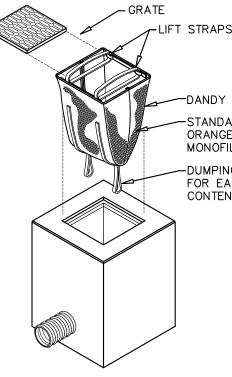


#### INSTALLATION:

REMOVE THE GRATE FROM CATCH BASIN. IF USING OPTIONAL OIL ABSORBENTS; PLACE ABSORBENT PILLOW IN UNIT. STAND THE GRATE ON END. MOVE THE TOP LIFTING STRAPS OUT OF THE WAY AND PLACE THE GRATE INTO THE DANDY BAG II® SO THAT THE GRATE IS BELOW THE TOP STRAPS AND ABOVE THE LOWER STRAPS. HOLDING THE LIFTING DEVICES, INSERT THE GRATE INTO THE INLET.

#### MAINTENANCE:

REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM VICINITY OF UNIT AFTER EACH STORM EVENT. AFTER EACH STORM EVENT AND AT REGULAR INTERVALS, LOOK INTO THE DANDY BAG II<sup>®</sup>. IF THE CONTAINMENT AREA IS MORE THAN  $\frac{1}{3}$  FULL OF SEDIMENT, THE UNIT MUST BE EMPTIED. TO EMPTY UNIT, LIFT THE UNIT OUT OF THE INLET USING THE LIFTING STRAPS AND REMOVE THE GRATE. IF USING OPTIONAL OIL ABSORBENTS; REPLACE ABSORBENT WHEN NEAR SATURATION.

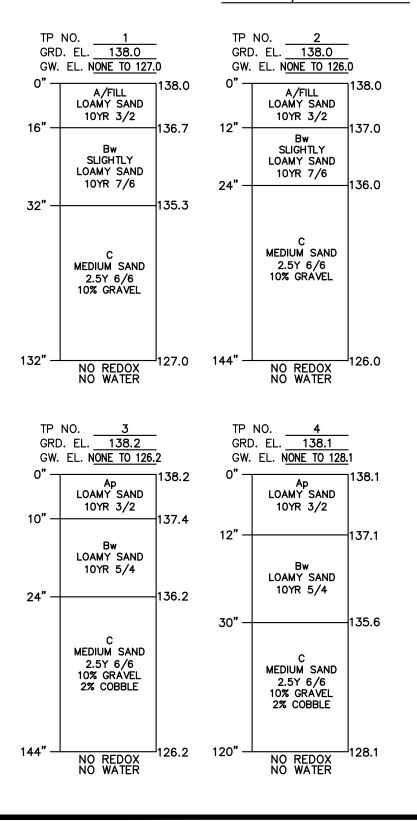


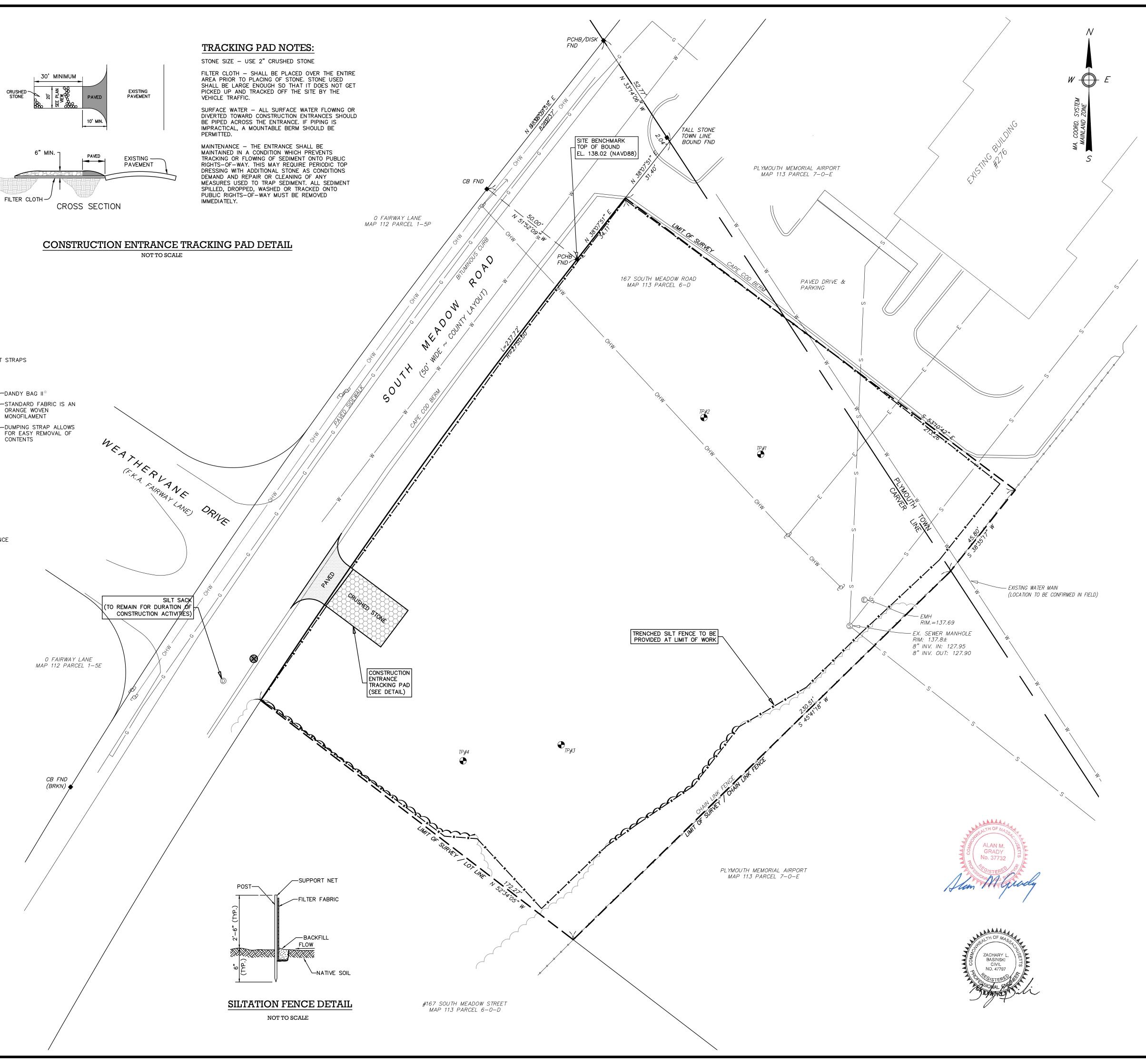
DANDY BAG II INSTALLATION AND MAINTENANCE GUIDELINES

#### SILT SACK DETAIL NOT TO SCALE

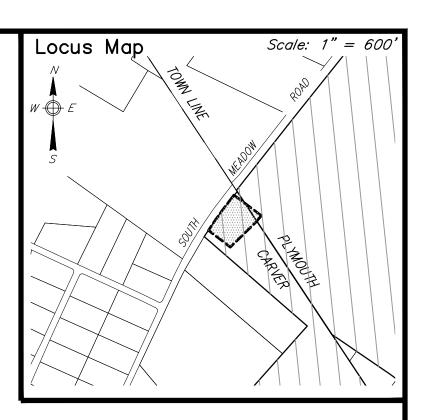
## SOIL LOGS

DATE PERFORMED: JUNE 7, 2023 SOIL EVALUATOR: \_\_\_\_\_\_\_ ROBERT E. DEWAR, EIT, SE#14230 MAX. GROUND WATER ELEV .: NONE TO 126.0 METHOD OF DETERMINATION: NO WATER / NO REDOX





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# LEGEND

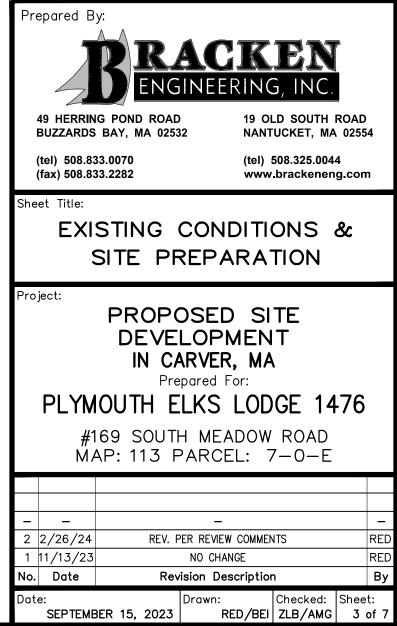
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EXISTING	UNDERGROUND ELECTRIC
EXISTING	SEWER LINES
EXISTING	WATER LINES
EXISTING	DRAINAGE LINES
EXISTING	GAS LINE
EXISTING	CONTOURS
EXISTING	SPOT GRADE
EXISTING	HYDRANT
EXISTING	WATER VALVE
EXISTING	SEWER MANHOLE
EXISTING	DRAIN MANHOLE
EXISTING	CATCH BASIN
EXISTING	UTILITY POLE
EXISTING	GUY WIRE
EXISTING	ELECTRIC METER
EXISTING	LIGHT POLE
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EXISTING	HAND HOLES
EXISTING	SIGNS
EXISTING	BOLLARD
EXISTING	HANDICAP PARKING
EXISTING	TREES
EXISTING	EDGE OF CLEARING
	<ul> <li>EXISTING</li> </ul>

# PLAN SCALE

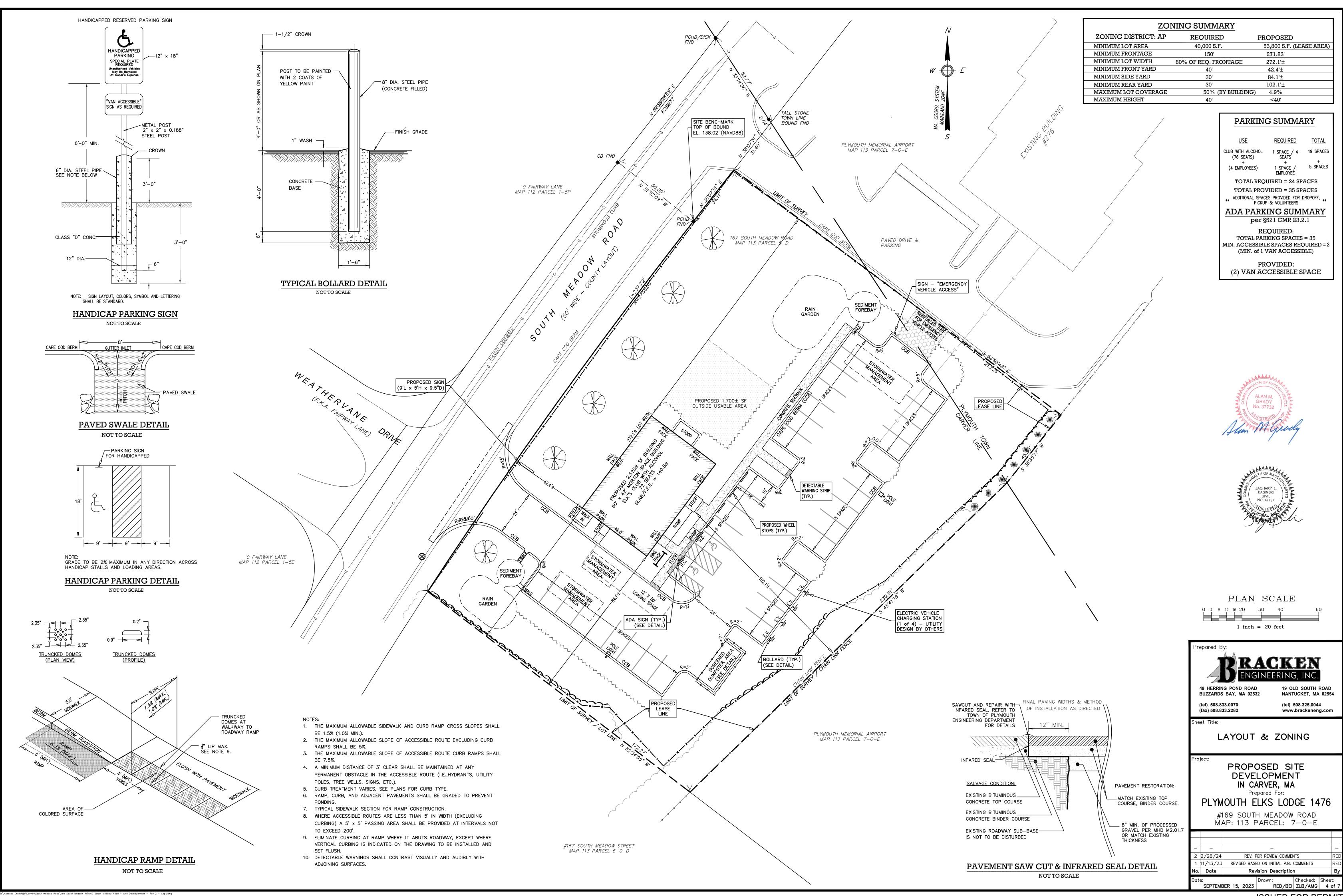
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					1	inch =	20 fe	et	

## ZONING REQUIREMENTS:

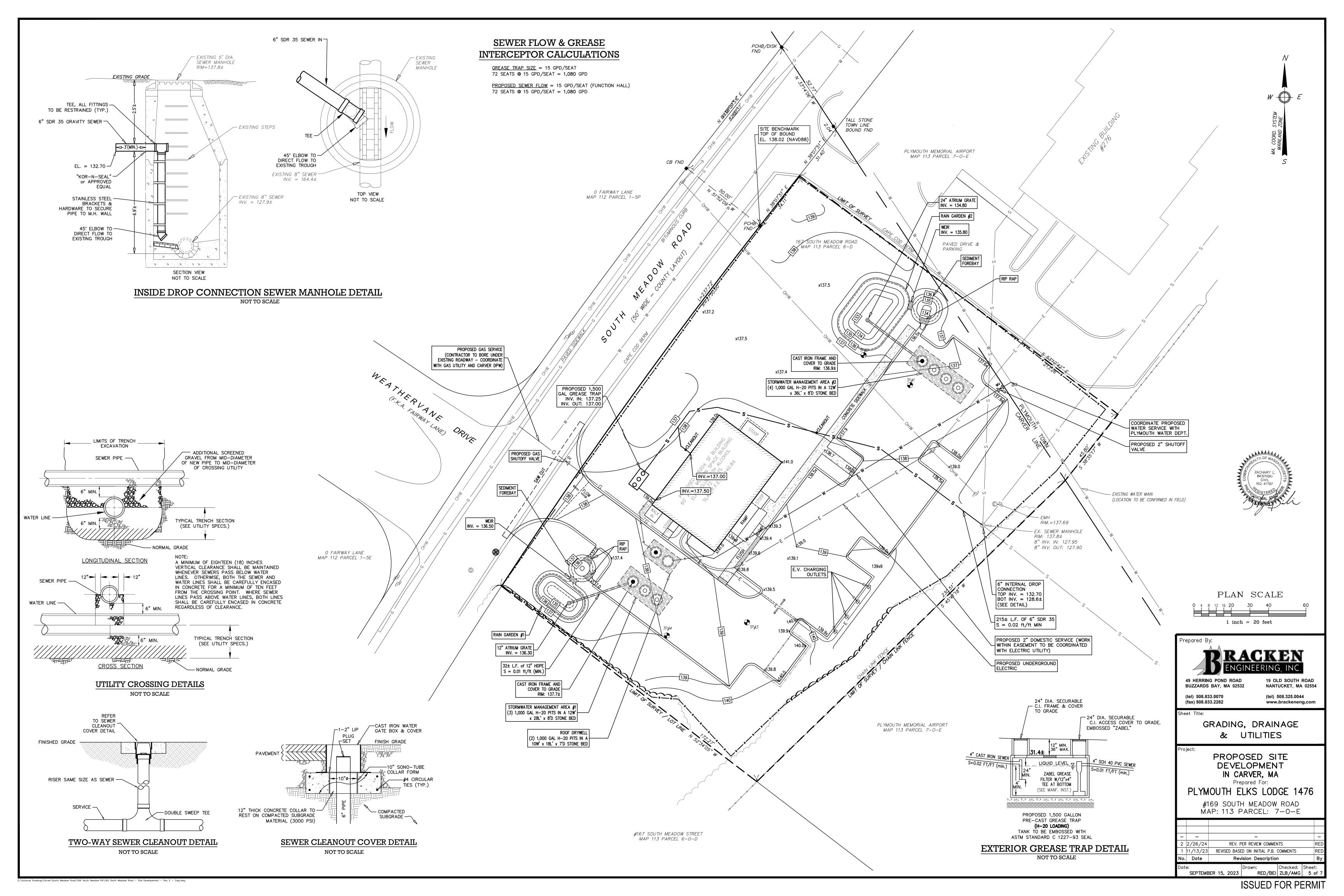
AIRPORT DISTRICT (AP)					
MIN. LOT SIZE	40,000 S.F.				
FRONTAGE	150' MIN.				
FRONT YARD	40' MIN.				
SIDE YARD					
REAR YARD					
LOT COVERAGE	50% MAX. BUILDING				
HEIGHT	40' MAX.				

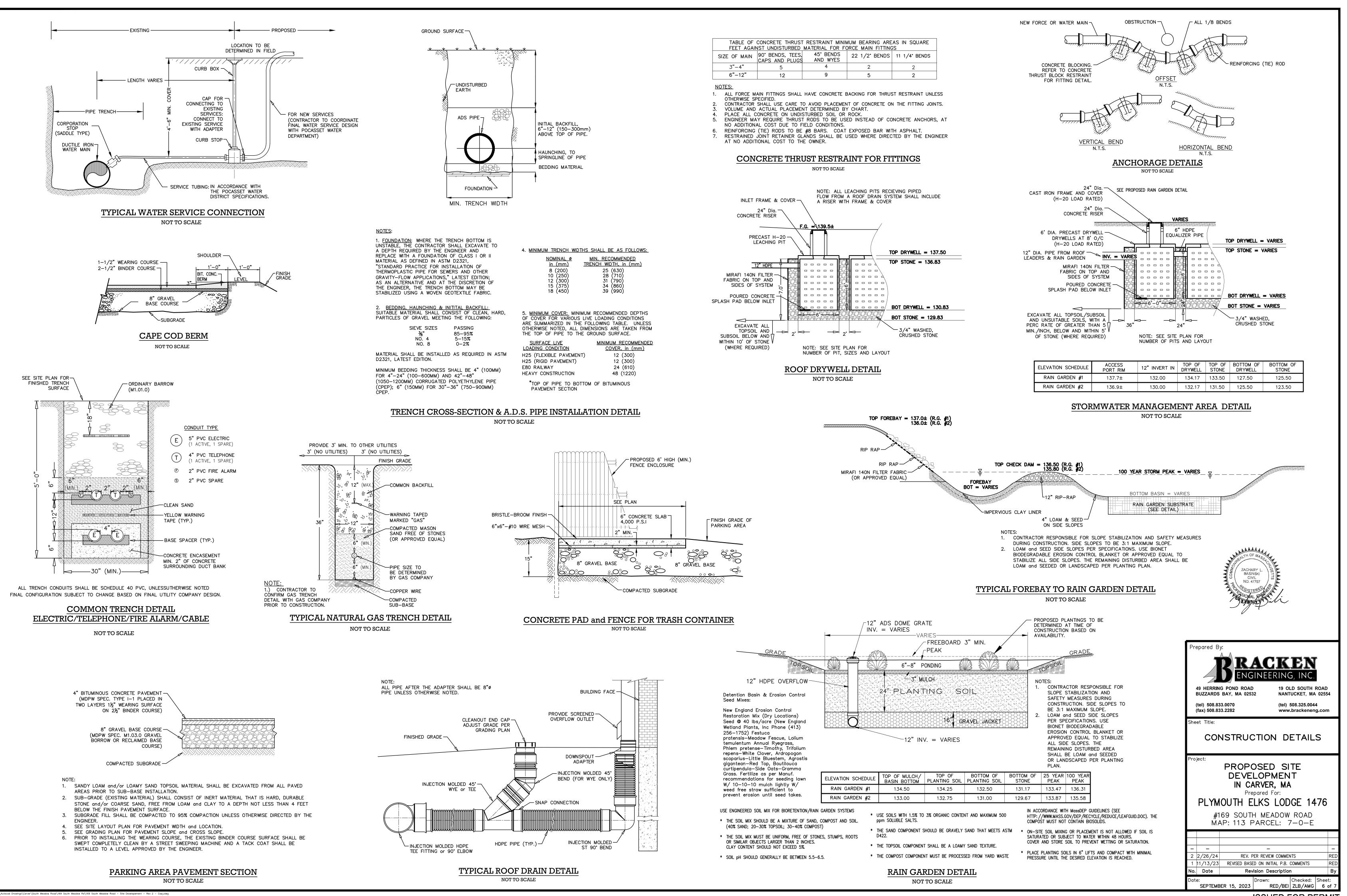


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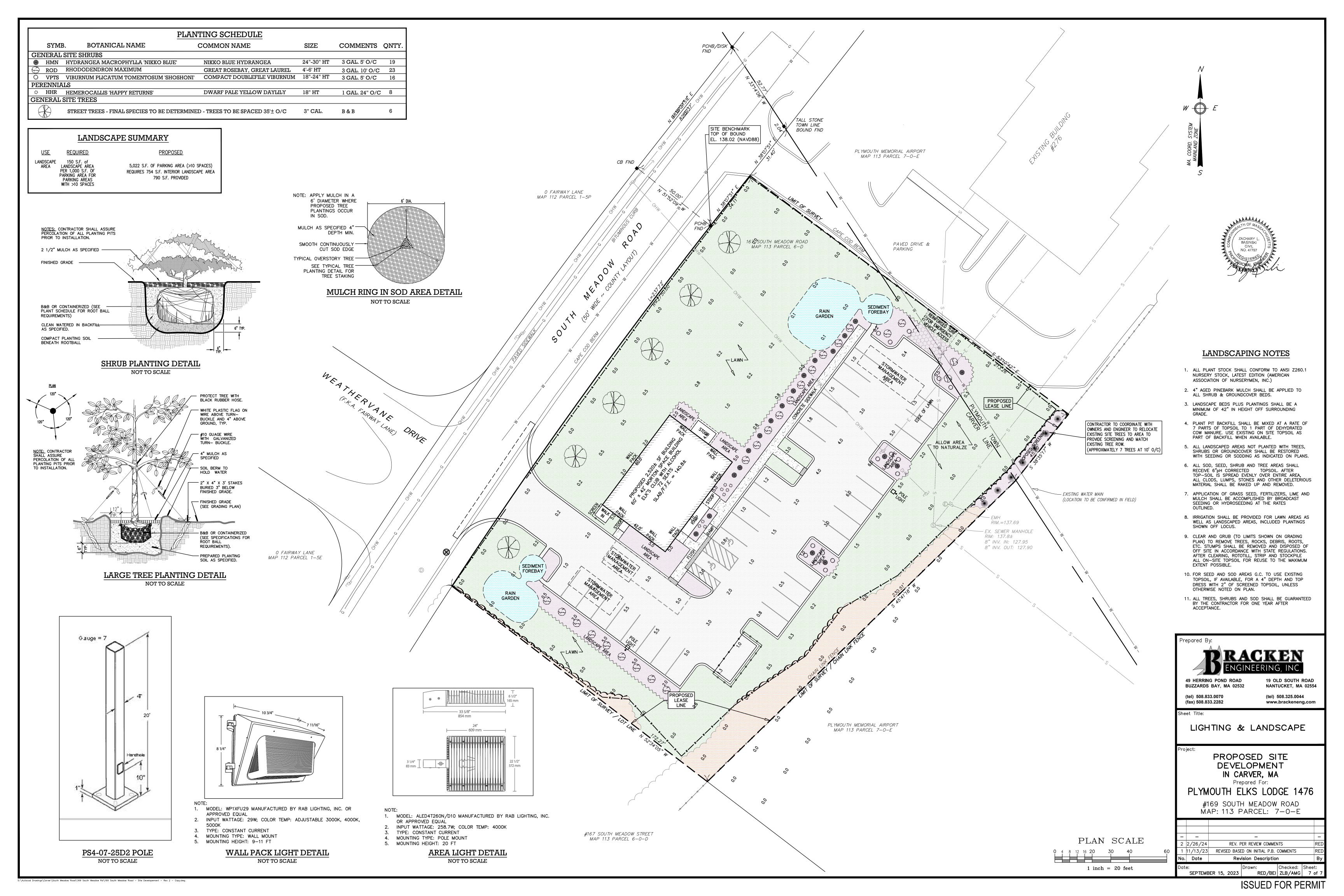


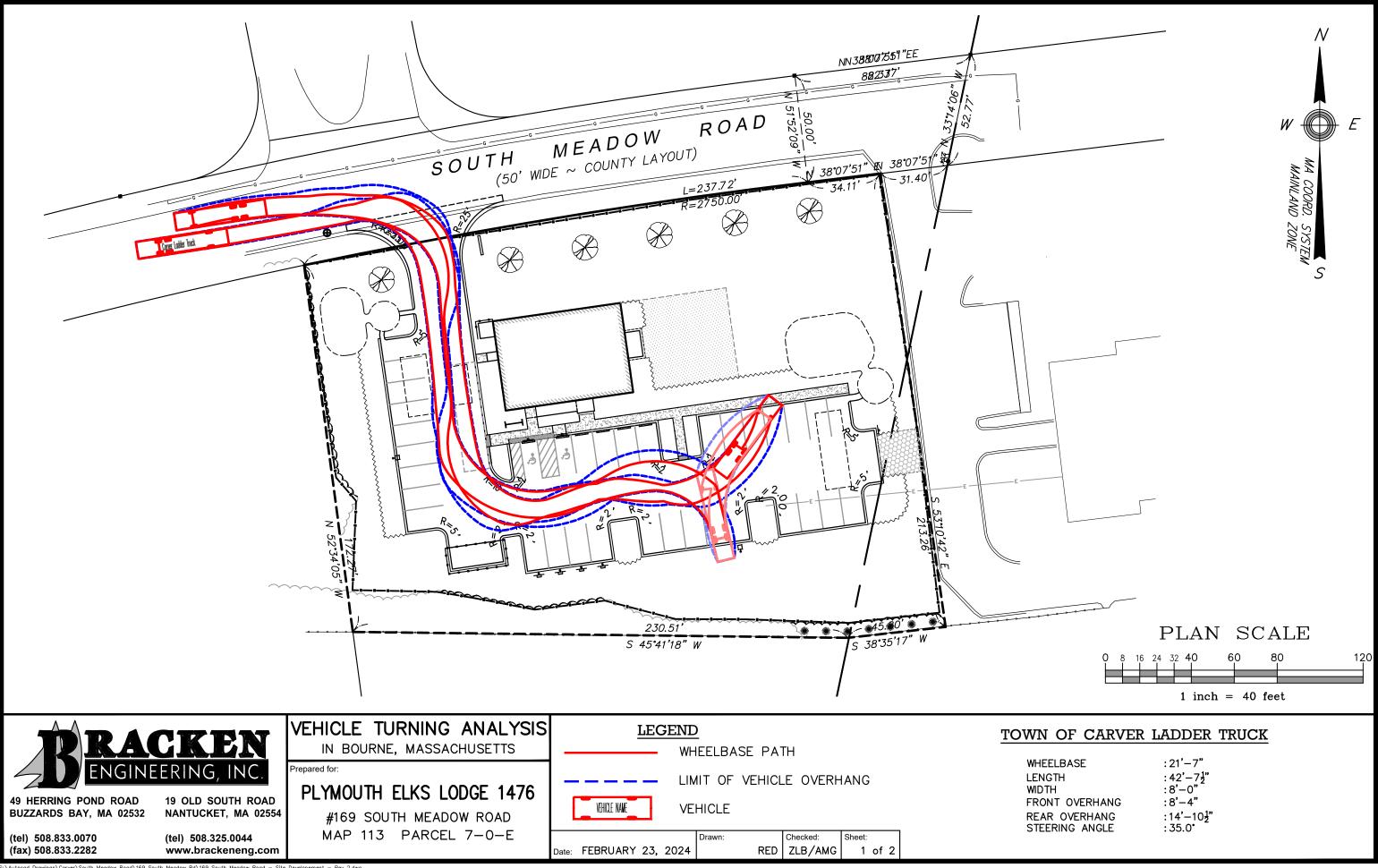
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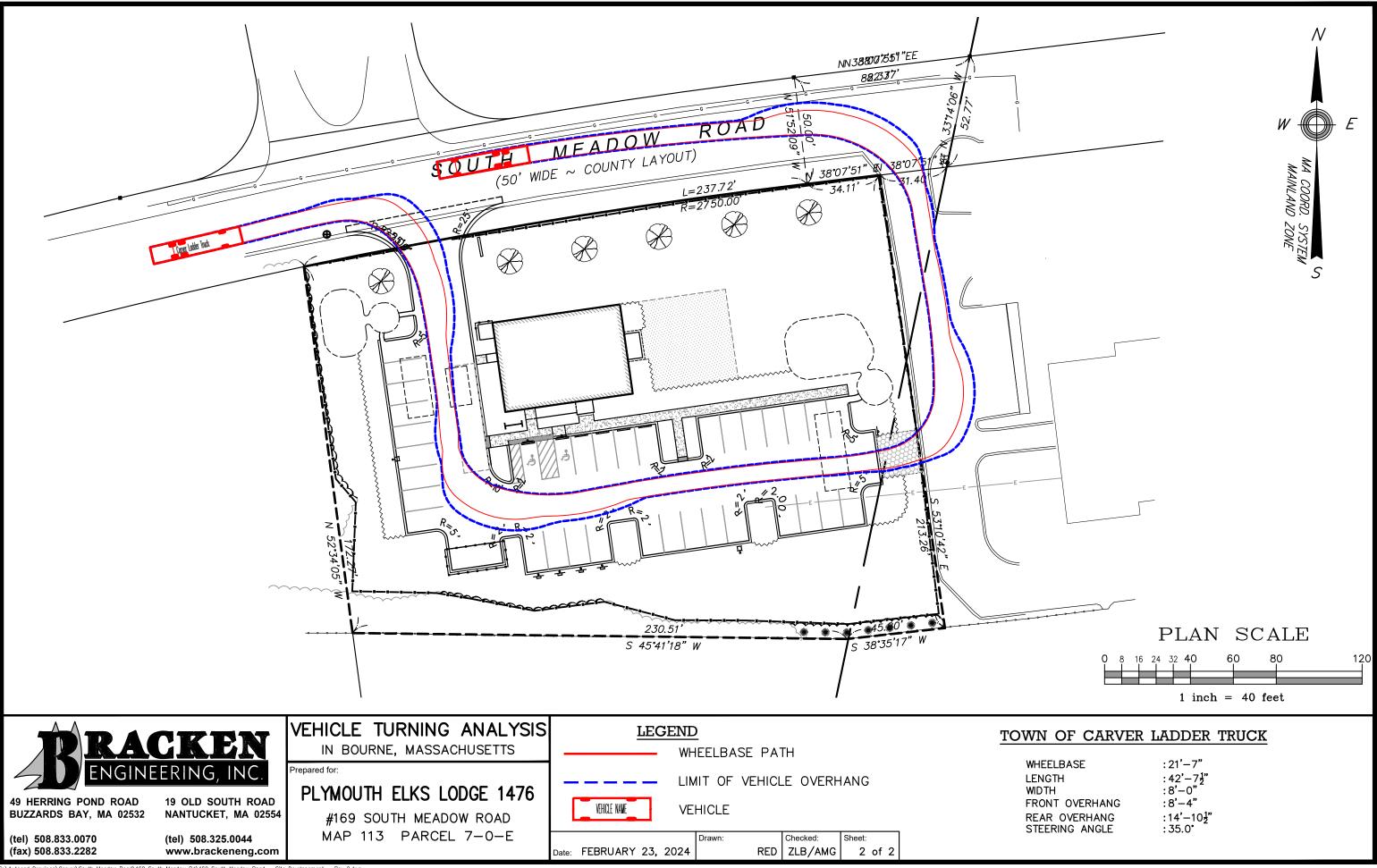


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