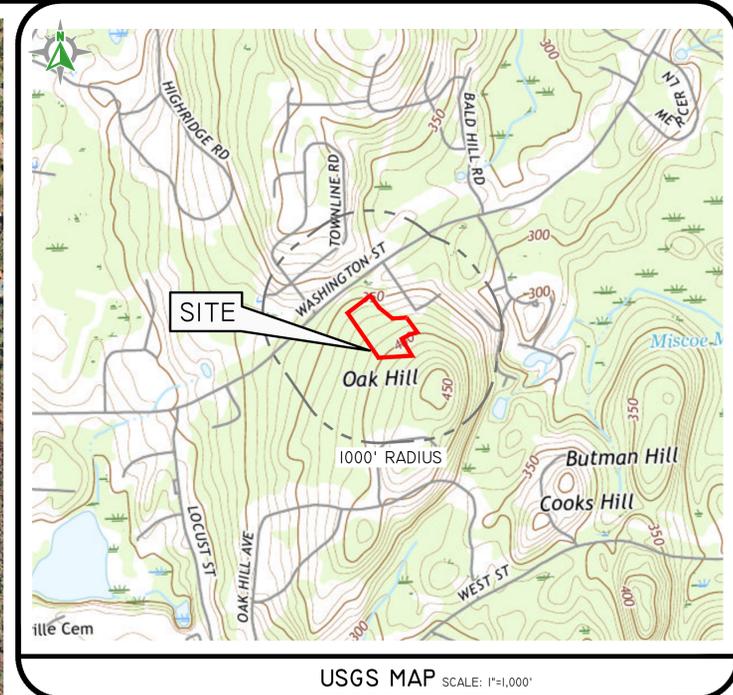
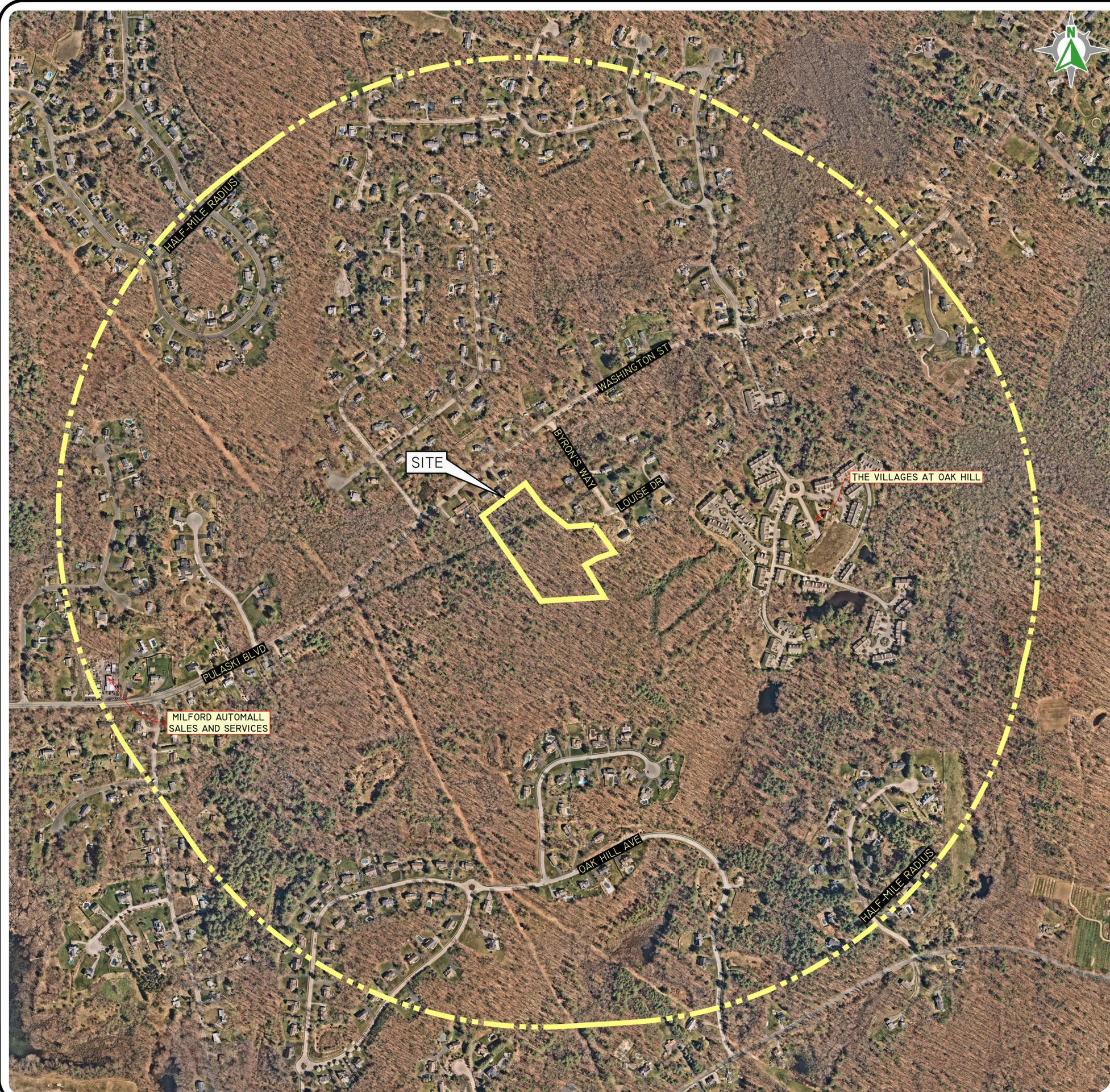
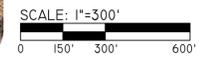


Z:\DEVELOPMENT\PROJECTS\1342-001 LOUISE DRIVE\AUTOCAD DRAWINGS\1342-001-C\ARDWG PLOTTER 1/22/2025



USGS MAP SCALE: 1"=1,000'

PHOTO OBTAINED FROM NEARMAP.
DATE OF PHOTOGRAPHY 04/09/2024.



Diprete Engineering
Engineers - Planners - Surveyors
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105 Eastern Avenue, Suite 200, Dedham, MA 02026 - Tel 781-316-0023

COMMONWEALTH OF MASSACHUSETTS
BRANDON D. CARP
No. 51472
REGISTERED PROFESSIONAL ENGINEER
01/22/2025

THIS PLAN SET MUST NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS APPROVED BY A REGISTERED PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING.
DIPRETE ENGINEERING ONLY WARRANTS PLANS ON A DIPRETE PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING. DIPRETE PROFESSIONAL ENGINEERS DO NOT WARRANT PLANS OF ANY OTHER PARTY.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL METHODS, SAFETY PRECAUTIONS AND REQUIREMENTS, AND OSHA DESIGN STANDARDS IN THE IMPLEMENTATION OF THIS PLAN AND DESIGN.
EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR OBTAINING OR VERIFYING THE LOCATION OF ANY UTILITIES. SEE "UTILITY NOTE" ON SHEET 3.

NO.	DATE	DESCRIPTION	DESIGN BY: B.E.G.
1	01/22/2025	NOT PREPARED	W.E.G.
2	01/22/2025	NOT PREPARED	K.J.D.
3	01/22/2024	NOT SUBMITTED	B.E.G.
4	02/18/2024	NOT SUBMITTED	B.T.
1/02			

AERIAL HALF MILE RADIUS
LOUISE DRIVE EXTENSION
ASSESSOR'S PLAT 339 LOTS 9, 13-16, & ASSESSOR'S PLAT 349 LOT 2
FRANKLIN, MASSACHUSETTS
PREPARED FOR:
PAUL LONGOBARDI
18 JAMES ST.
FRANKLIN, MASSACHUSETTS 02038
DE JOB NO. 242-001 COPYRIGHT 2025 BY DIPRETE ENGINEERING ASSOCIATES, INC.

GENERAL NOTES:

- 1. THE SITE IS LOCATED ON THE TOWN OF FRANKLIN ASSESSOR'S PLAT 339 LOTS 9, 13-16 AND ASSESSOR'S PLAT 349 LOT 2.
2. THE SITE IS APPROXIMATELY 8.9 ACRES AND IS ZONED RR-1.
3. THE OWNERS OF AP 339 LOTS 9, 13-16 AND AP 349 LOT 2 ARE:
PAUL A. AND JOANNE LONGOBARDI
18 JAMES STREET
FRANKLIN, MA 02038
4. THIS SITE IS LOCATED IN FEMA FLOOD ZONE X. REFERENCE FEMA FLOOD INSURANCE RATE MAP 2502C0302E, MAP REVISED JULY 17, 2012.
• ZONE X (UNSHADED) - THIS SITE IS LOCATED IN FEMA FLOOD ZONE X, WHICH ARE AREAS WHERE THERE IS MINIMAL FLOODING.
5. THE BOUNDARY LINE AS SHOWN ON THE ENGINEERING PLAN SET DEPICTS THE RESULTS OF A BOUNDARY RETRACEMENT SURVEY AS PERFORMED BY DIPRETE ENGINEERING. THIS PLAN IS NOT TO BE CONSIDERED AS A BOUNDARY RETRACEMENT SURVEY PLAN AND IS NOT SUITABLE FOR RECORDING AS A SURVEY PLAN IN CONFORMANCE WITH THE RULES AND REGULATIONS AS STATED IN CNR 250 SECTION 6.00.
6. ALL WORK PERFORMED HEREIN IS TO BE COVERED BY CURRENT EDITIONS OF THE MASSDOT HIGHWAY DIVISION CONSTRUCTION STANDARD DETAILS, TOWN OF FRANKLIN STANDARD SPECIFICATIONS AND SPECIFICATIONS INCLUDED AS PART OF THE DRAWINGS. IN AREAS OF CONFLICT BETWEEN THE DIFFERENT SPECIFICATIONS, THE DESIGN PLANS AND PROJECT SPECIFICATIONS WILL TAKE PRECEDENCE OVER THE GENERAL SPECIFICATIONS AND THE CEOR WILL INTERPRET THE CONSTRUCTION REQUIREMENT. THE CONTRACTOR IS ADVISED TO SUBMIT A REQUEST FOR INFORMATION (RFI) FOR ANY AREAS OF CONFLICT BEFORE COMMITTING TO CONSTRUCTION.
7. THE FOLLOWING DOCUMENTS ARE CONSIDERED PART OF THE PROJECT PLANS AND THE CONTRACTOR/OWNER MUST MAINTAIN THESE DOCUMENTS AS PART OF A FULL PLAN SET:
• STORMWATER POLLUTION PREVENTION PLAN (SWPPP). THE SWPPP CONTAINS THE FOLLOWING:
• EROSION CONTROL MEASURES
• SHORT TERM MAINTENANCE
• ESTABLISHMENT OF VEGETATIVE COVER
• CONSTRUCTION POLLUTION PREVENTION
• SEQUENCE OF CONSTRUCTION
• OPERATION AND MAINTENANCE PLAN (O&M). THE O&M CONTAINS:
• LONG TERM MAINTENANCE
• LONG TERM POLLUTION PREVENTION
8. THIS PLAN SET REFERENCES MASSDOT HIGHWAY DIVISION STANDARD DETAILS (DESIGNATED AS MASSDOT STD XXX.X.X). MASSDOT STANDARD DETAILS ARE AVAILABLE FROM MASSDOT AND ONLINE AT HTTPS://WWW.MASS.GOV/LISTS/CONSTRUCTION-DETAILS
9. THE SITE IS TO BE SERVICED BY PRIVATE WELL AND PRIVATE OWTS.
10. PROPOSED RIGHTS OF WAY ARE TO BE 56' WIDE WITH 26' WIDE PAVEMENT (13' TRAVEL LANES AND 1' SLANTED CURB ON EACH SIDE).
11. THE DRAINAGE SYSTEM IS DESIGNED TO MEET THE FRANKLIN SUBDIVISION AND LAND DEVELOPMENT REGULATIONS WITH THE USE OF CATCH BASINS, CULVERTS, AND UNDERGROUND DRAINAGE BASINS. THE STORMWATER MANAGEMENT SYSTEM MEETS THE MASSDOT BEST MANAGEMENT PRACTICES.
12. THE ROADWAY IS PROPOSED TO BE BUILT IN (D) PHASE
13. SOIL EVALUATIONS WERE COMPLETED DIPRETE ENGINEERING ON 05-23-2024.
14. WETLAND EDGE DELINEATED BY DIPRETE ENGINEERING AND SURVEYED BY DIPRETE ENGINEERING USING SUBMETER GPS ON 11-17-2023 AND 05-04-2024.
15. ANY PROPRIETARY PRODUCTS REFERENCED IN THIS PLAN SET ARE REPRESENTATIVE OF THE MINIMUM DESIGN REQUIREMENTS FOR THE PURPOSE THEY PROPOSE TO SERVE. ALTERNATIVES TO ANY PROPRIETARY PRODUCT MAY BE SUBMITTED TO THE CEOR FOR CONSIDERATION, WHICH MUST BE ACCOMPANIED BY A COMPLETED "SUBSTITUTION REQUEST" CSI FORM IS IA (APRIL 2022 VERSION MODIFIED BY DIPRETE ENGINEERING 2023) - FORM AVAILABLE FROM DIPRETE ENGINEERING. SUBMISSION PACKAGE MUST INCLUDE APPROPRIATE SPECIFICATION SHEETS/DESIGN CALCULATIONS THAT DEMONSTRATE THE ALTERNATIVE MEETS THE MINIMUM DESIGN REQUIREMENTS OF THE PRODUCT SHOWN ON THE PLANS. NO ALTERNATIVES MAY BE USED WITHOUT THE WRITTEN APPROVAL OF THE CEOR.
16. THIS PLAN SET MAY REFERENCE AND/OR INCLUDE REPRODUCTIONS OF PROPRIETARY PRODUCTS/ DETAILS BY OTHERS, AND/OR THEIR ASSOCIATED SPECIFICATIONS. ANY REFERENCED OR REPRODUCED PROPRIETARY PRODUCT OR DETAIL BY OTHERS THAT IS SHOWN ON CEOR PLANS IS STRICTLY FOR INFORMATION/SPECIFICATION PURPOSES ONLY. DIPRETE ENGINEERING DOES NOT WARRANT ANY PROPRIETARY PRODUCTS, DETAILS BY OTHERS OR THEIR RESPECTIVE DESIGNS. IF A DIPRETE ENGINEERING PLAN INCLUDES A PROPRIETARY PRODUCT/DETAIL BY OTHERS (EITHER EXPLICITLY OR IMPLIED) AND IS STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND/OR REGISTERED LANDSCAPE ARCHITECT OF DIPRETE ENGINEERING, SAID STAMP DOES NOT EXTEND TO ANY PORTION OF THE PROPRIETARY PRODUCT/DETAIL BY OTHERS OR ITS DESIGN.

LAYOUT AND MATERIALS:

- 1. DIMENSIONS ARE FROM THE FACE OF CURB, FACE OF BUILDING, FACE OF WALL, AND CENTER LINE OF PAVEMENT MARKINGS UNLESS OTHERWISE NOTED.
2. CURBING MUST BE 6" SLOPED GRANITE OR AS LABELED ON THE PLANS.
3. SIDEWALK MUST BE CONCRETE OR AS LABELED ON THE PLANS.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MEET ALL SIGNAGE AND PAVEMENT MARKING REQUIREMENTS OF THE MUTCD AND AUTHORITIES HAVING JURISDICTION, REGARDLESS OF ITEMS SHOWN (OR NOT SHOWN) ON THIS PLAN SET. THIS INCLUDES (BUT MAY NOT BE LIMITED TO) SIGN TYPE, NUMBER OF SIGNS, POLE/ MOUNTING TYPE, PAVEMENT MARKING LOCATIONS/ TYPE/ WIDTH, MATERIALS, INSTALLATION METHODS, AND ANY ADDITIONAL SIGNS AND/OR MARKINGS THAT MAY BE REQUIRED. THE CONTRACTOR MUST NOTIFY THE ENGINEER OF ANY MODIFICATIONS OR DISCREPANCIES PRIOR TO ORDERING OR INSTALLING SIGNAGE/ PAVEMENT MARKINGS.
5. SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SCALED TO THEIR ACTUAL DIMENSIONS OR LOCATIONS ON THE DRAWINGS. THE CONTRACTOR MUST REFER TO THE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.
6. THE HOUSES ARE NOT SHOWN ON PLANS AND WILL BE DESIGNED PRIOR TO FUTURE CONSERVATION COMMISSION AND BUILDING PERMIT APPLICATIONS AS APPLICABLE.
7. CONTROL POINTS, PROPOSED BOUNDS, AND ANY EXISTING PROPERTY LINE MONUMENTATION DISTURBED DURING CONSTRUCTION MUST BE SET OR RESET BY A PROFESSIONAL LICENSED SURVEYOR.
8. CONTRACTOR MUST NOT RELY SOLELY ON ELECTRONIC VERSIONS OF PLANS, SPECIFICATIONS, AND DATA FILES THAT ARE OBTAINED FROM THE CEOR. CONTRACTOR MUST VERIFY LOCATION OF PROJECT FEATURES IN ACCORDANCE WITH THE STAMPED PAPER COPIES OF THE PLANS AND SPECIFICATIONS THAT ARE SUPPLIED AS PART OF THE CONTRACT DOCUMENTS.
9. ALL GUARDRAIL ONSITE MUST BE STEEL BACKED TIMBER GUARDRAIL WITH STEEL POSTS, IN CONFORMANCE WITH SECTION 5.4.1.10 "MERRITT PARKWAY AESTHETIC GUARDRAIL" OF THE AASHTO ROADSIDE DESIGN GUIDE 4TH EDITION 2001. ALTERNATIVE GUARDRAILS WILL BE CONSIDERED BY THE CEOR IF THEY ARE NOT APPROVED EQUAL AND ACCEPTABLE TO THE OWNER. ALTERNATIVES MUST BE APPROVED IN WRITING BY THE OWNER AND THE CEOR PRIOR TO CONSTRUCTION. GUARDRAIL IS REQUIRED AT ALL ROADWAYS/PARKING LOTS/PAVED TRAFFIC AREAS ADJACENT TO SLOPES WITH A HEIGHT GREATER THAN SIX FEET AT A 3:1 SLOPE, AND ALL SLOPES WITH A HEIGHT GREATER THAN THREE FEET AT A 2:1 SLOPE, AND ALL RETAINING WALLS GREATER THAN TWO FEET IN HEIGHT. THE CONTRACTOR IS RESPONSIBLE TO MEET ANY AND ALL GUARDRAIL PROVISIONS THAT MAY BE REQUIRED BY THE AHJ.
10. INFRARED TREATMENT OF PAVEMENT IS REQUIRED AT ALL CURB CUTS, ANY DISTURBED PAVEMENT ON ROADWAYS AND WHERE ANY NEW PAVEMENT MEETS EXISTING PAVEMENT.
11. ALL EXISTING PAVEMENT MARKING REMOVED AS INCIDENTAL DURING CONSTRUCTION MUST BE REPLACED IN-KIND FOLLOWING COMPLETION OF CONSTRUCTION UNLESS OTHERWISE NOTED.
12. NEW PAVEMENT MARKING MUST BE FAST DRYING TRAFFIC PAINT, MEETING THE REQUIREMENTS OF AASHTO M248 TYPE F. PAINT MUST BE APPLIED AS SPECIFIED BY THE MANUFACTURER.

SOIL INFORMATION:

(REFERENCE: USDA NATURAL RESOURCES CONSERVATION SERVICE)
SOIL NAME DESCRIPTION

Table with 3 columns: Soil Code, Soil Description, HSG. Row 1: 103C, HORTON PARK SANDY LOAM, 8 TO 15 PERCENT SLOPES, EXTREMELY STONY, A-B-D. Row 2: 104C, CHARLTON-HOLLIS-ROCK OUTCROP COMPLEX, 15 TO 25 PERCENT SLOPES, A-B-D. Row 3: 104C, HOLLIS-ROCK OUTCROP-CHARLTON COMPLEX, 0 TO 15 PERCENT SLOPES, D-B-D.

AS-BUILT NOTES:

- ALL COMPONENTS OF THE DRAINAGE, SEWER, AND WATER SYSTEMS MUST BE FIELD LOCATED PRIOR TO COVERING. NOTIFY SURVEYOR A MINIMUM OF SEVENTY-TWO (72) HOURS IN ADVANCE OF NEED FOR FIELD LOCATION OF IMPROVEMENTS. SURVEYOR MUST PROVIDE OWNER AND CONTRACTOR WITH WRITTEN NOTICE OF COMPLETION OF FIELD WORK PRIOR TO CONTRACTOR COVERING IMPROVEMENTS. OWNER/DIPRETE ENGINEERING WILL NOT ACCEPT FIELD MEASUREMENTS FROM THE SITE CONTRACTOR.

SOIL EROSION AND SEDIMENTATION CONTROL NOTES:

- 1. THE CONTRACTOR IS RESPONSIBLE FOR ALL SOIL EROSION AND SEDIMENT CONTROL ON SITE WHICH MUST BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE APPLICABLE REGULATIONS AND JURISDICTION HAVING JURISDICTION. THE CONTRACTOR IS TO NOTIFY THE CEOR, THE DIRECTOR OF PUBLIC WORKS, THE TOWN ENGINEER, AND THE CONSERVATION COMMISSION AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
2. ALL EROSION CONTROL INCLUDING (BUT NOT LIMITED TO) TEMPORARY SWALES, ETC. MUST BE INSTALLED PER THE LATEST EDITION OF THE MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS (MESCG) AND THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). NOTE THE SOIL EROSION AND SEDIMENT CONTROL SHOWN ON THESE PLANS ARE THE MINIMUM QUANTITY/TYPE OF EROSION CONTROL DEVICES AND MATERIALS DEEMED REQUIRED BY THE CEOR TO MEET THE OBJECTIVES OF THE MESCG, BUT IS CONSIDERED A GUIDE ONLY. ADDITIONAL MEASURES/ALTERNATIVES MAY BE REQUIRED IN ORDER TO MEET THE MESCG BASED ON FACTORS INCLUDING (BUT NOT LIMITED TO) SITE PARAMETERS, WEATHER, INSPECTIONS AND UNIQUE FEATURES. THE SWPPP WILL CONTINUE TO EVOLVE THROUGHOUT CONSTRUCTION PHASES. PURSUANT TO NOTE 1 ABOVE, SWPPP REMAINS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL THE SITE IS FULLY STABILIZED AND/OR SWPPP RESPONSIBILITIES ARE ASSUMED BY THE OWNER IN WRITING.
3. TEMPORARY SWALES MUST BE USED TO CONTROL RUNOFF DURING CONSTRUCTION OF THE PROPOSED SITE WORK. TEMPORARY SWALES MUST BE VEGETATED AFTER CONSTRUCTION. EROSION CONTROL MATS MUST BE INSTALLED, IF NECESSARY, TO PREVENT EROSION AND SUPPORT VEGETATION AFTER CONSTRUCTION IS COMPLETE AND TRIBUTARY AREAS TO THE SWALES HAVE BEEN STABILIZED. THE TEMPORARY SWALES MUST BE CLEARED AND FINAL DESIGN, INCLUDING INSTALLATION OF THE GRASS SWALES, TO BE PER THE DESIGN PLANS.
4. ONCE THE POTENTIAL SEDIMENT TRAPS ARE NO LONGER REQUIRED AND ALL TRIBUTARY AREAS HAVE BEEN STABILIZED, THE TEMPORARY SEDIMENT TRAPS MUST BE CLEARED AND BROUGHT TO FINAL DESIGN GRABES.
5. INLET PROTECTION MUST BE INSTALLED ON ALL CATCH BASINS ONCE CONSTRUCTED.
6. FOR SEQUENCE OF CONSTRUCTION, PROJECT PHASING AND CONSTRUCTION PHASING, SEE SWPPP PLAN.
7. CONTRACTOR MAY MODIFY SEQUENCE OF CONSTRUCTION WITH APPROVAL FROM THE CEOR AND OWNER.
8. IF CONCRETE TRUCKS ARE WASHED OUT ON SITE, ALL WASHOUT MUST BE PERFORMED IN THE DESIGNATED CONCRETE WASHOUT AREA.
9. SLOPES STEEPER THAN 3:1 REQUIRE TEMPORARY EROSION CONTROL BLANKETS. EROSION CONTROL BLANKETS TO BE NORTH AMERICAN GREEN OR APPROVED EQUAL AND INSTALLED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
10. AT THE COMPLETION OF CONSTRUCTION AND PRIOR TO DEMOBILIZATION, CONTRACTOR MUST FLUSH AND CLEAN THE ENTIRE DRAINAGE NETWORK, ALL STRUCTURES AT DOWNSTREAM CONNECTION POINTS, WATER QUALITY SYSTEMS, DETENTION/INFILTRATION BASINS, SWALES, ETC. CLEANING MUST INCLUDE REMOVAL OF ALL SEDIMENTS AND DEBRIS FROM PIPES AND ALL DRAINAGE COMPONENTS. WASTE MATERIAL MUST BE LEGALLY DISPOSED OFF SITE, WHERE APPLICABLE. ALL PROPRIETARY UNITS ETC. CLEANING TO BE DONE IN ACCORDANCE WITH ALL MANUFACTURER REQUIREMENTS.

DEMOLITION NOTES:

- 1. CONTRACTOR MUST NOTIFY "DIG SAFE" AT 811 (OR 1-888-344-7233) A MINIMUM OF 72 HOURS BEFORE EXCAVATING.
2. CONTRACTOR MUST OBTAIN ALL FEDERAL, STATE, AND MUNICIPAL APPROVALS PRIOR TO THE START OF CONSTRUCTION.
3. CONTRACTOR MUST PERFORM DAILY SWEEPING AT CONSTRUCTION ENTRANCE DURING DEMOLITION AND CONSTRUCTION TO MINIMIZE SEDIMENTS ON EXISTING STREETS.
4. ANY EXISTING BUILDINGS(S) AND PROPERTY PROPOSED TO REMAIN THAT ARE DAMAGED BY THE CONTRACTOR MUST BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
5. CONTRACTOR IS RESPONSIBLE FOR REMOVING AND LEGALLY DISPOSING (R&D) ALL MATERIALS INDICATED ON THE PLANS UNLESS SPECIFIED OTHERWISE HERE IN. R&D MATERIALS MUST INCLUDE BUT ARE NOT LIMITED TO PAVEMENT, GRAVEL, CATCH BASINS, MANHOLES, GRATES/FRAMES/COVERS, AND ANY EXCESS SOIL THAT IS NOT INCORPORATED INTO THE WORK.
6. IN ADDITION TO THOSE AREAS SPECIFICALLY DESIGNATED ON THE PLANS, ALL DISTURBED AREAS, INCLUDING THE CONTRACTOR'S STOCKING AND STAGING AREAS WITHIN THE LIMIT OF WORK, MUST BE RESTORED TO MATCH THE DESIGN PLANS.
7. CONTRACTOR MUST DOCUMENT LOCATION OF ALL SUBSURFACE UTILITIES REMAINING IN PLACE AFTER DEMOLITION (ACTIVE AND INACTIVE/ABANDONED). LOCATION MUST BE DOCUMENTED BY FIELD SURVEY OR SWING TIES. COPIES OF LOCATION DOCUMENTATION MUST BE PROVIDED TO THE OWNER FOLLOWING COMPLETION OF DEMOLITION AND PRIOR TO START OF NEW CONSTRUCTION. A MARKER MUST BE INSTALLED TO FINISH GROUND AT ALL INSTALLED CAPS/PLUGS. THE MARKER CAN BE A POST IN CONSTRUCTION AREAS OR PAINTED ON A PERMANENT SURFACE.
8. ACTIVE UTILITY LINES AND STRUCTURES NOT SPECIFICALLY NOTED ON PLANS, BUT WHICH ARE ENCOUNTERED TO BE IN CONFLICT WITH THE PROPOSED WORK, MUST BE EXTENDED, PROTECTED, OR REWORKED BY THE CONTRACTOR AS DIRECTED OR REQUIRED BY THE UTILITY ENTITY OR OTHERWISE NOTED.
9. CONTRACTOR MUST COORDINATE THE CUTTING AND CAPPING OF ALL UTILITIES WITH THE OWNER, THE MUNICIPALITY, AND ALL APPLICABLE UTILITY ENTITIES HAVING JURISDICTION.
10. INACTIVE SUBSURFACE UTILITIES NOT IN CONFLICT WITH THE PROPOSED WORK AREA MAY BE ABANDONED IN PLACE WITH WRITTEN PERMISSION FROM THE OWNER.

SEQUENCE AND ESTIMATED DATES OF CONSTRUCTION ACTIVITIES:

PHASE IA

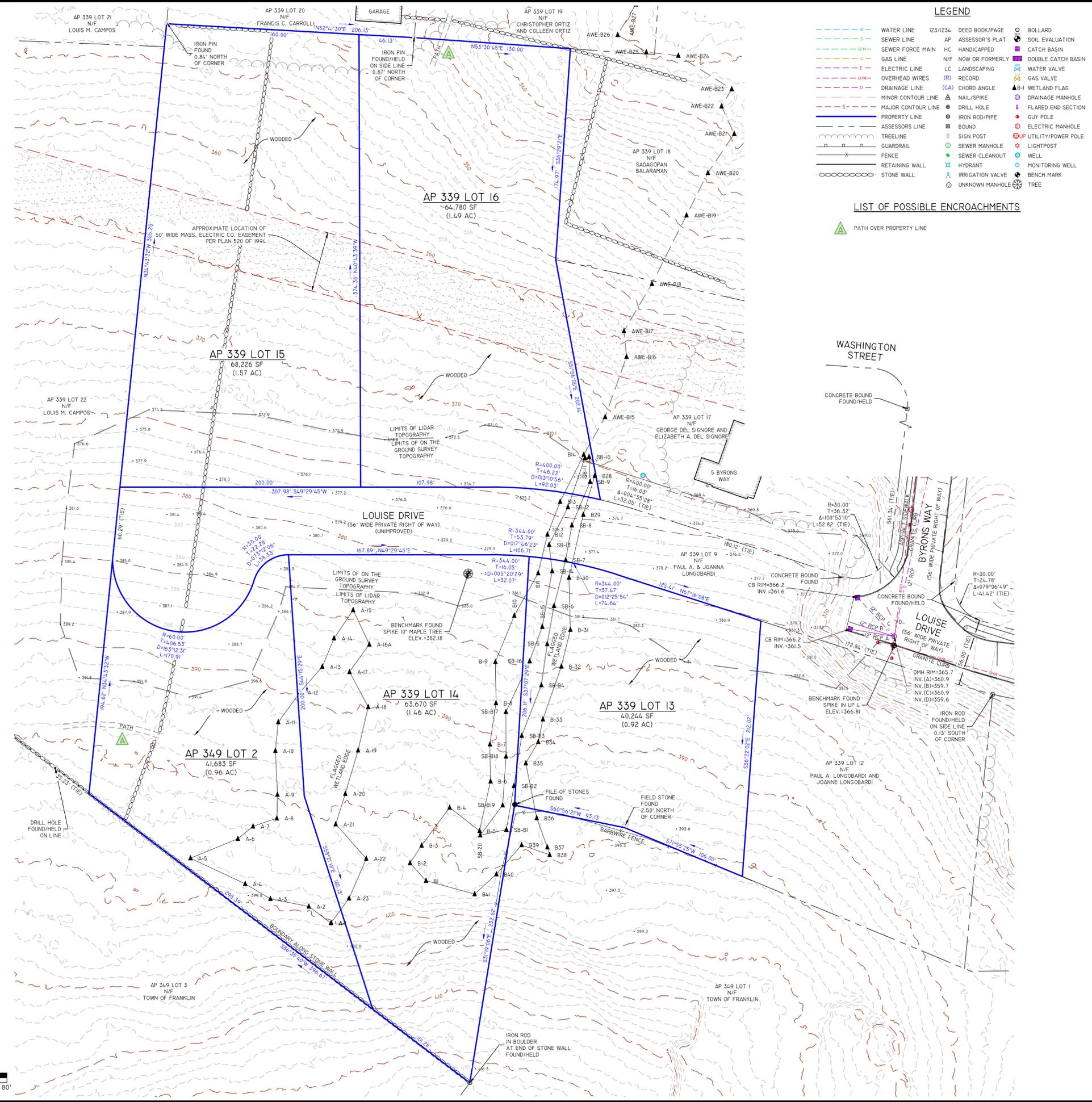
- 1. CONTRACTOR IS RESPONSIBLE FOR STORMWATER POLLUTION PREVENTION PLAN (SWPPP) ONSITE. SEQUENCE OF CONSTRUCTION PROVIDED MAY BE ADJUSTED AS FIELD CONDITIONS WARRANT WITH PRIOR APPROVAL FROM THE TOWN OR THEIR REPRESENTATIVE.
2. CONSTRUCTION TO BEGIN IN THE FALL 2024, OR UPON RECEIPT OF ALL NECESSARY APPROVALS.
3. SURVEY AND STAKE THE DRAINAGE BMPs (INFILTRATION BASIN, SEDIMENT FOREBAYS, SAND FILTER AND/OR OTHER DRAINAGE FEATURES), DRAINAGE LINES, AND LIMIT OF WORK FENCE.
4. PLACE/INSTALL LIMIT OF WORK FENCE AND STRAW WATTLE 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. INSTALL CONSTRUCTION ENTRANCE AND EXIT.
5. INSPECTION OF EROSION CONTROL DEVICES ADJACENT TO THE BUFFER ZONES WILL BE DONE BY THE ENGINEER OF RECORD AND ONCE DETERMINED TO BE ACCURATE THE ENGINEER WILL SEND A LETTER TO THE CONSERVATION COMMISSION ATTESTING TO ACCURACY AND DESCRIBING ANY POTENTIAL CHANGES.
6. BEGIN CLEARING OF BERRIS IN AREAS AS INDICATED ON THE PLANS.
7. INSTALL TEMPORARY SEDIMENTATION CONTROL MEASURES AND DEVICES AS SPECIFIED. THE PROPOSED SEDIMENT TRAPS (IF NEEDED) MUST BE USED DURING CONSTRUCTION AND PLACE IN SPECIFIED LOCATIONS OR ALTERNATE LOCATIONS AS APPROVED TO LIMIT SIZE OF WORK AREAS. INSTALL DIVERSION SWALE WHERE APPROPRIATE TO DIRECT STORMWATER TO THE SEDIMENT TRAPS (IF NEEDED).
8. TOPSOIL IS TO BE STRIPPED AND STOCKPILED IN APPROVED LOCATIONS. TOPSOIL STOCKPILES ARE TO BE PROTECTED WITH STRAW WATTLE AND TEMPORARILY STABILIZED. EXCAVATE AS NEEDED.
9. EXCAVATE AND INSTALL UNDERGROUND INFILTRATION SYSTEM AND ASSOCIATED DRAINAGE STRUCTURES. EXCAVATE AND GRADE THE SAND FILTER AND STABILIZE PERIMETER STRIPPER AREAS NEAR BMPs. THE SAND FILTER MUST BE PERMANENTLY STABILIZED FOLLOWING FINISH GRADING.
10. ROUGH GRADE PAVEMENT AREAS AND FINAL GRADE LANDSCAPE AREAS OF THE SITE WHILE LIMITING THE SIZE OF THE ACTIVE WORK AREA. STABILIZE PREVIOUS WORK AREA PRIOR TO MOVING TO NEW ACTIVE WORK AREA.
11. ONCE THE WORK AREAS TRIBUTARY TO THE SEDIMENT TRAPS (IF NEEDED) AT THE SEDIMENT FOREBAY LOCATIONS ARE STABILIZED AFTER ROUGH GRADING, THE SEDIMENT TRAPS (IF NEEDED) CAN BE CONVERTED INTO THE PERMANENT SEDIMENT FOREBAYS. INSTALL PERMANENT ACCESS PATH AROUND SAND FILTER AND SEDIMENT FOREBAYS.
12. INSTALL DRAIN PIPING, DRAINAGE MANHOLES AND CATCH BASINS BEGINNING AT THE SEDIMENT FOREBAY LOCATIONS AND WORKING UP GRADIENT TO THE UNDERGROUND INFILTRATION SYSTEM AND BYPASS MANHOLES. PROTECT DISCHARGE OUTLETS WITH RIP-RAP APRONS. PLACE EROSION CONTROL MATS AT THE DISCHARGE POINTS AND SEED THE SAND FILTER AND SEDIMENT FOREBAYS, AND DISTURBED AREAS OUTSIDE OF THE PAVING LIMITS. IF SEASON IS UNSUITABLE FOR SEEDING, THESE AREAS MAY BE STABILIZED USING AN APPROVED METHOD UNTIL SEEDING CAN BE COMPLETED. THE SAND FILTER IS TO BE PROTECTED FROM RUNOFF UNTIL ALL UNSTABILIZED AREAS ARE STABILIZED WITH VEGETATION.

PHASE IB

- 1. INSTALL DRAIN PIPING, DRAINAGE MANHOLES AND CATCH BASINS FOR THE REMAINDER OF THE DRAINAGE NETWORK. WORKING UP GRADIENT TO THE SEDIMENT TRAPS. ADJUST FINAL PAVING LIMITS. THE DRAINAGE NETWORKS ARE TO BE PROTECTED FROM RUNOFF UNTIL ALL UNSTABILIZED AREAS ARE STABILIZED WITH VEGETATION. INSTALL EROSION CONTROL MEASURES IN CATCH BASINS AS THEY ARE CONSTRUCTED.
2. BEGIN CLEARING AND SOIL RESTORATION OF THE ROAD.
3. FINISH ROUGH GRADING IN THE PAVEMENTS AREA IN ACCORDANCE WITH THE SITE PLANS. INSTALL SURFACE, SUBBASE AND BASE COURSE AS SPECIFIED IN THE GEOTECHNICAL REPORT.
4. PLACE BITUMINOUS ASPHALT BINDER PER SITE PLANS.
5. ONCE THE MAJORITY OF THE SITE IS STABILIZED THE DRAINAGE BMPs AND DRAINAGE NETWORK MAY BE BROUGHT ONLINE WITH THE APPROVAL OF THE DESIGN ENGINEER.
6. FINISH PERMANENT STABILIZATION, REPAIR DRAINAGE OUTLETS AND BASINS AS REQUIRED. TREE LIMBS, LEAVES, COBBLES, Boulders, ETC. SHALL BE REMOVED FROM THE BOTTOM OF THE BASINS BEFORE THE APPLICATION OF TOPSOIL.
7. SWEEP THE ROADWAY TO REMOVE ALL SEDIMENTS.
8. THE CONTRACTOR SHALL CLEAN AND FLUSH THE DRAINAGE STRUCTURES AND PIPES AT THE END OF CONSTRUCTION AND ALL ACCUMULATED SEDIMENTS IN THE SAND FILTER AND SEDIMENT FOREBAYS SHALL BE REMOVED.
9. REMOVE ALL TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES FOLLOWING VEGETATIVE ESTABLISHMENT OF ALL DISTURBED AREAS.
10. PRIOR TO ACTIVATION OF ALL UTILITIES (STORM), UTILITY COMPANY AND TOWN ENGINEER TO BE NOTIFIED 48 HOURS IN ADVANCE TO SCHEDULE FINAL INSPECTION.

GRADING, DRAINAGE, AND UTILITY NOTES:

- 1. CONSTRUCTION TO COMMENCE SPRING 2025 OR UPON RECEIPT OF ALL NECESSARY APPROVALS.
2. THE CONTRACTOR MUST COORDINATE WITH ALL OF THE APPROPRIATE UTILITY COMPANIES FOR AGREEMENTS TO SERVICE THE PROPOSED BUILDING. THIS MUST BE DONE PRIOR TO CONSTRUCTION. NO REPRESENTATIONS ARE MADE BY DIPRETE ENGINEERING THAT UTILITY SERVICE IS AVAILABLE.
3. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING FINISH GRADING AND DRAINAGE AROUND THE STRUCTURE TO ENSURE SURFACE WATER AND/OR GROUNDWATER ARE DIRECTED AWAY FROM THE STRUCTURE.
4. PRIOR TO START OF CONSTRUCTION, CONTRACTOR MUST VERIFY EXISTING PAVEMENT ELEVATIONS AT INTERFACE WITH PROPOSED PAVEMENTS, AND EXISTING GROUND ELEVATIONS ADJACENT TO DRAINAGE OUTLETS TO ASSURE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED FACILITIES. CONTRACTOR MUST NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
5. ALL PROPOSED UNDERGROUND UTILITIES SERVING THE SITE AND BUILDINGS MUST BE COORDINATED WITH OWNER, ARCHITECT, AND ENGINEER PRIOR TO INSTALLATION.
6. ALL RETAINING WALLS AND STEEP SLOPES ARE SUBJECT TO FINAL STRUCTURAL DESIGN. DIPRETE ENGINEERING IS NOT PROVIDING THE STRUCTURAL DESIGN OF THESE ITEMS. ALL WALLS AND STEEP SLOPES MUST BE DESIGNED AND BUILT UNDER THE DIRECTION OF A MASSACHUSETTS LICENSED PROFESSIONAL ENGINEER SUITABLY QUALIFIED IN GEOTECHNICAL ENGINEERING AND CERTIFIED TO THE OWNER PRIOR TO THE COMPLETION OF THE PROJECT. SHOP DRAWINGS MUST BE SUBMITTED PRIOR TO CONSTRUCTION. FINAL STRUCTURAL DESIGN MUST INCORPORATE THE INTENT OF THE GRADING SHOWN ON THESE PLANS AND ALL WORK MUST BE WITHIN THE LIMIT OF DISTURBANCE SHOWN ON THE PLANS.
7. ALL CUT AND FILL WORK MUST BE DONE UNDER THE DIRECTION OF A PROFESSIONAL GEOTECHNICAL ENGINEER, WITH TESTING AND CERTIFICATION PROVIDED TO THE APPLICANT AT THE COMPLETION OF THE PROJECT. DIPRETE ENGINEERING IS NOT PROVIDING THE FILL SPECIFICATION, GEOTECHNICAL ENGINEERING, STRUCTURAL ENGINEERING SERVICES, OR SUPERVISION AS PART OF THESE DRAWINGS.
8. MATERIAL STOCKPILES MUST NOT BE LOCATED IN THE RIGHT-OF-WAY, AND TRENCHES MUST NOT BE LEFT OPEN OVERNIGHT.
9. ALL LOAM IN DISTURBED AREAS MUST BE STOCKPILED FOR FUTURE USE.
10. ALL EXCESS SOIL, TREES, ROCKS, Boulders, AND OTHER REFUSE, MUST BE DISCARDED OFF SITE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. STUMPS MUST BE GROUND ON SITE OR REMOVED.
11. AN AGENT OF THE TOWN SHALL OBSERVE NATIVE SOILS AFTER EXCAVATION FOR BASINS TO CONFIRM DESIGN ASSUMPTIONS.
12. THE SITE WILL HAVE 6" SLOPED GRANITE CURBING. SITE GRADING/CONTOURS SHOWN ON THE PLANS DO NOT NECESSARILY REFLECT THE APPROPRIATE CURBING REVEAL. CONTRACTOR MUST INSTALL CURBING WITH APPROPRIATE REVEAL, UNLESS OTHERWISE NOTED.
13. NO STUMP DUMPS ARE ALLOWED ON SITE.
14. ALL DRAINAGE OUTFALLS ARE DESIGNED TO BE INSTALLED AT EXISTING GROUND ELEVATION. CONTRACTOR MUST IMMEDIATELY NOTIFY THE CEOR OF ANY DISCREPANCIES WHERE EXISTING GROUND IS HIGHER THAN OUTFALL DESIGN ELEVATION. ANY RESOLUTION OF DISCREPANCIES BY THE CONTRACTOR, UNLESS AUTHORIZED IN WRITING IN ADVANCE BY THE OWNER AND THE CEOR, IS DONE AT THE CONTRACTOR'S RISK.
15. CONTRACTOR MUST PROVIDE SAW CUTTING AND FULL DEPTH PAVEMENT RESTORATION IN AREAS WHERE PAVEMENT AND/OR SIDEWALK IS REMOVED FOR UTILITY INSTALLATION.
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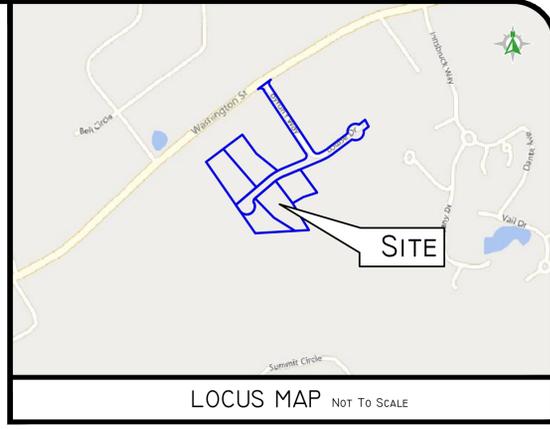


LEGEND

--- W	WATER LINE	123/1234	DEED BOOK/PAGE	○	BOLLARD
--- S	SEWER LINE	AP	ASSESSOR'S PLAT	■	SOIL EVALUATION
--- SFM	SEWER FORCE MAIN	HC	HANDICAPPED	■	CATCH BASIN
--- G	GAS LINE	N/F	NOW OR FORMERLY	■	DOUBLE CATCH BASIN
---	ELECTRIC LINE	LC	LANDSCAPING	○	WATER VALVE
---	OVERHEAD WIRES	RECORD	RECORD	○	GAS VALVE
---	DRAINAGE LINE	(CA)	CHORD ANGLE	▲	WETLAND FLAG
---	MINOR CONTOUR LINE	○	NAIL/SPIKE	○	DRAINAGE MANHOLE
---	MAJOR CONTOUR LINE	○	DRILL HOLE	○	FLARED END SECTION
---	PROPERTY LINE	○	IRON ROD/PIPE	○	ELECTRIC MANHOLE
---	ASSESSORS LINE	○	BOUND	○	UTILITY/POWER POLE
---	TREELINE	○	SIGN POST	○	LIGHTPOST
---	GUARDRAIL	○	SEWER MANHOLE	○	WELL
---	FENCE	○	SEWER CLEANOUT	○	MONITORING WELL
---	RETAINING WALL	○	HYDRANT	○	BENCH MARK
---	STONE WALL	○	IRRIGATION VALVE	○	TREE
---		○	UNKNOWN MANHOLE	○	

LIST OF POSSIBLE ENCROACHMENTS

- ▲ PATH OVER PROPERTY LINE



GENERAL NOTES

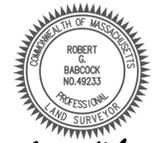
- THE PARCELS ARE FOUND ON ASSESSOR'S PLAT 339, LOTS 13-16 AND ASSESSORS PLAT 349, LOT 2 IN THE TOWN OF FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS.
- THE OWNER PER DEED BOOK 5613, PAGE 312 IS PAUL A. LONGOBARDI AND JOANNE LONGOBARDI.
- THIS SITE IS LOCATED IN FEMA FLOOD ZONE X. REFERENCE FEMA FLOOD INSURANCE RATE MAP 2502C0302E, MAP REVISED JULY 17, 2012. THIS DESIGNATION MAY CHANGE BASED UPON REVIEW BY A FLOOD ZONE SPECIALIST OR BY THE RESULTS OF A COMPREHENSIVE FLOOD STUDY.
- THE PARCEL IS ZONED RURAL RESIDENTIAL 1 BASED ON THE FRANKLIN, MASSACHUSETTS ZONING DISTRICTS MAP. ANY OVERLAY DISTRICTS, SPECIAL PERMITS OR VARIANCES SPECIFIC TO THIS SITE ARE NOT TAKEN INTO CONSIDERATION. PLEASE CONTACT THE ZONING DEPARTMENT FOR ANY ADDITIONAL INFORMATION OR FOR A CERTIFICATE OF ZONING.
- THERE WERE NO CEMETERIES, GRAVE SITES AND OR BURIAL GROUNDS OBSERVED WITHIN THE LIMITS OF THE SURVEY.
- FIELD SURVEY PERFORMED BY DIPRETE ENGINEERING ON OCTOBER 25 & NOVEMBER 17, 2023 AND MAY 23, 2024. THIS PLAN REFLECTS ON THE GROUND CONDITIONS AS OF THAT DATE.
- ELEVATIONS SHOWN HEREON, IN U.S. SURVEY FEET, ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), AS DETERMINED BY DIPRETE ENGINEERING USING REAL TIME KINEMATIC G.P.S. OBSERVATIONS.
- THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT. DIPRETE ENGINEERING IS NOT RESPONSIBLE FOR ANY UNKNOWN OR UNRECORDED EASEMENTS, DEEDS OR CLAIMS THAT A TITLE REPORT WOULD DISCLOSE.
- WHERE INDICATED ON THE PLAN, THE CONTOUR DATA DEPICTED ON THIS PLAN EXCLUSIVELY RELIES ON POINT DATA SOURCED FROM MASSGIS. THIS DATA ORIGINATES FROM THE UTILIZATION OF AIRBORNE LIDAR TECHNOLOGY WITHIN THE SPECIFIED REGION, CONDUCTED BY THE STATE OF MASSACHUSETTS BETWEEN 2010 AND 2014. IT IS IMPORTANT TO NOTE THAT DIPRETE ENGINEERING HAS NOT VERIFIED THE POSITIONAL ACCURACY AND RELIABILITY OF THIS DATA. CONSEQUENTLY, THE DATA IS SUSCEPTIBLE TO MODIFICATIONS THAT MAY BE UNCOVERED THROUGH A COMPREHENSIVE FIELD SURVEY.
- WHERE INDICATED ON THE PLAN, THE CONTOUR DATA DEPICTED IS BASED ON AN ON THE GROUND SURVEY PERFORMED BY DIPRETE ENGINEERING ON NOVEMBER 17, 2023.
- WETLAND LOCATIONS SHOWN BASED ON FIELD SURVEY BY DIPRETE ENGINEERING. WETLAND FLAGS WERE DELINEATED BY DIPRETE ENGINEERING. WETLAND FLAGS WERE LOCATED ON OCTOBER 10 & NOVEMBER 17, 2023 AND MAY 23, 2024.

PLAN REFERENCES

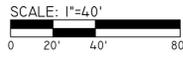
- PLAN 195 OF 1979.
- PLAN 469 OF 1979.
- PLAN 520 OF 1994.
- PLAN 345 OF 2002.
- PLAN 63 OF 2011.

CERTIFICATION

I CERTIFY THAT THIS ACTUAL SURVEY WAS MADE ON THE GROUND IN ACCORDANCE WITH THE RULES AND REGULATIONS AS STATED IN CMR 250 SECTION 6.00.



ROBERT G. BABCOCK, PLS #49233
5/24/24



DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.diprete-eng.com

Boston • Providence • Newport

NO.	DATE	DESCRIPTION	A.P.F.
1	5/24/24	EXISTING CONDITIONS PLAN	A.P.F.
2	11/27/23	EXISTING CONDITIONS PLAN	A.P.F.
3	11/27/23	EXISTING CONDITIONS PLAN	A.P.F.
4	11/27/23	EXISTING CONDITIONS PLAN	A.P.F.
5	11/27/23	EXISTING CONDITIONS PLAN	A.P.F.

EXISTING CONDITIONS PLAN

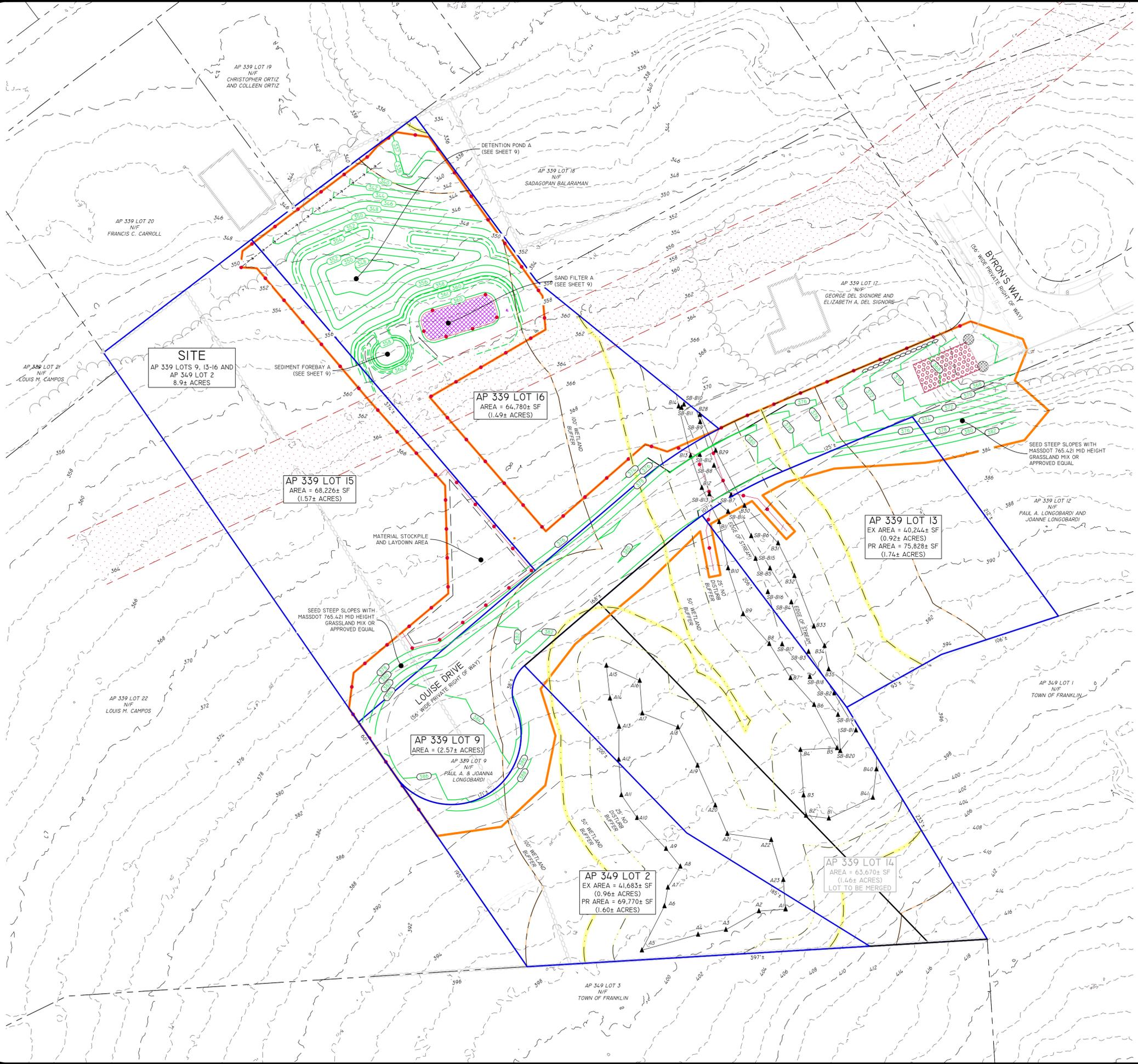
LOUISE DRIVE
ASSESSORS PLAT 339, LOTS 13-16 & ASSESSORS PLAT 349 LOT 2
FRANKLIN, MASSACHUSETTS

PREPARED FOR:
PAUL LONGOBARDI
18 JAMES STREET
FRANKLIN, MASSACHUSETTS 02038

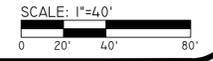
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SHEET **4** OF 11

Z:\DEVELOPMENT\PROJECTS\1349-01\LOUISE DRIVE\AUTOCAD DRAWINGS\3349-001\LANDING PLOTTER 1/22/2025



- SOIL EROSION CONTROL LEGEND**
- LIMIT OF DISTURBANCE (WITH SEDIMENT CONTROL)
 - EROSION CONTROL (STRAW WATTLE)
 - LIMIT OF DISTURBANCE (NO SEDIMENT CONTROL)
 - CONSTRUCTION ENTRANCE
 - INFILTRATING AREA (STRAW WATTLE)
 - FINAL CONTOUR GRADE
 - INLET SEDIMENT CONTROL



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 www.diprete-eng.com
 105 Eastern Avenue, Suite 200, Dedham, MA 02026 - Tel 781-326-0023



01/22/2025

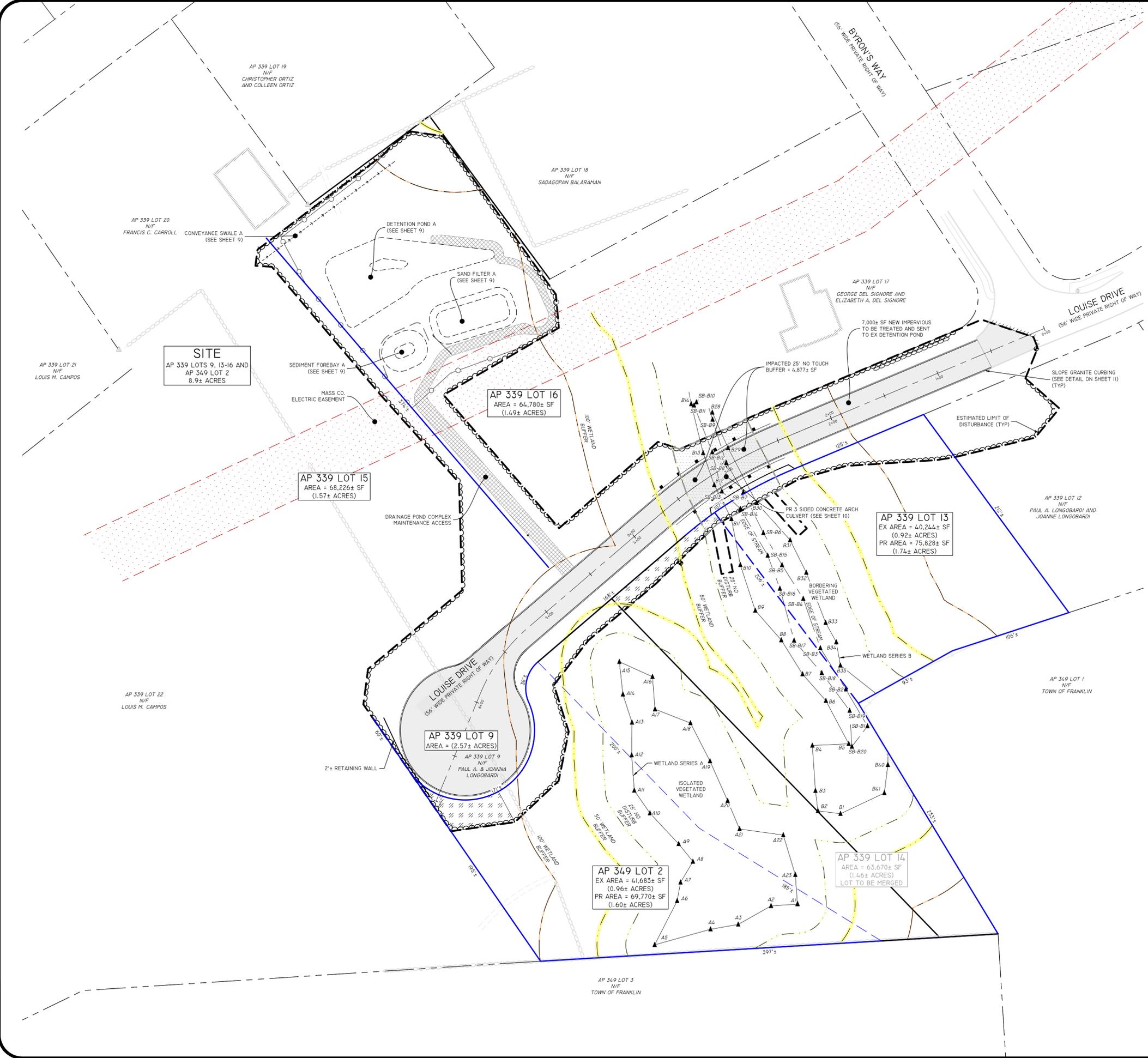
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NO.	DATE	DESCRIPTION	BY	DESIGN BY
1	01/22/2025	NOT PREPARED	W.L.G.	B.E.G.
2	01/22/2025	NOT PREPARED	K.J.D.	B.E.G.
3	01/22/2025	NOT PREPARED	B.E.G.	B.E.G.
4	01/22/2025	NOT PREPARED	B.E.G.	B.E.G.
5	01/22/2025	NOT PREPARED	B.E.G.	B.E.G.

SOIL EROSION & SEDIMENT CONTROL PLAN
LOUISE DRIVE EXTENSION
 ASSESSOR'S PLAT 339 LOTS 9, 13-16, & ASSESSOR'S PLAT 349 LOT 2
 FRANKLIN, MASSACHUSETTS
 PREPARED FOR:
PAUL LONGOBARDI
 18 JAMES ST., FRANKLIN, MASSACHUSETTS 02038
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DEVELOPMENT DATA:

TOTAL SITE AREA: 8.9± ACRES
 TOTAL NUMBER OF LOTS: 5
 TOTAL LOT AREA: 6.4± ACRES
 AVERAGE LOT AREA: 1.3± ACRES
 RIGHT OF WAY AREA: 2.5± ACRES
 RIGHT OF WAY WIDTH: 56'
 LENGTH OF ROAD: 628'
 PAVEMENT WIDTH: 26'

DIMENSIONAL REGULATIONS:

CURRENT ZONING: RR-1
 REQUIRED: 60,000 SF
 MINIMUM FRONTAGE AND LOT WIDTH: 200'
 MINIMUM FRONT AND CORNER SIDE YARD: 40'
 MINIMUM SIDE YARD: 40'
 MINIMUM REAR YARD: 40'
 MAXIMUM STRUCTURE HEIGHT: 35'
 MAXIMUM LOT COVERAGE OF EXISTING UPLAND: 20 / 25*%
 *STRUCTURES / STRUCTURES AND PAVING



SITE
 AP 339 LOTS 9, 13-16 AND
 AP 349 LOT 2
 8.9± ACRES

AP 339 LOT 16
 AREA = 64,780± SF
 (1.49± ACRES)

AP 339 LOT 15
 AREA = 68,226± SF
 (1.57± ACRES)

AP 339 LOT 13
 EX AREA = 40,244± SF
 (0.92± ACRES)
 PR AREA = 75,828± SF
 (1.74± ACRES)

AP 339 LOT 9
 AREA = (2.57± ACRES)
 AP 339 LOT 9
 N/F
 PAUL A. & JOANNA
 LONGOBARDI

AP 349 LOT 2
 EX AREA = 41,685± SF
 (0.96± ACRES)
 PR AREA = 69,770± SF
 (1.60± ACRES)

AP 339 LOT 14
 AREA = 63,670± SF
 (1.46± ACRES)
 LOT TO BE MERGED

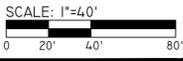
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COMMONWEALTH OF MASSACHUSETTS
 BRANDON D. CARR
 CIVIL
 No. 51472
 REGISTERED PROFESSIONAL ENGINEER
 01/22/2025

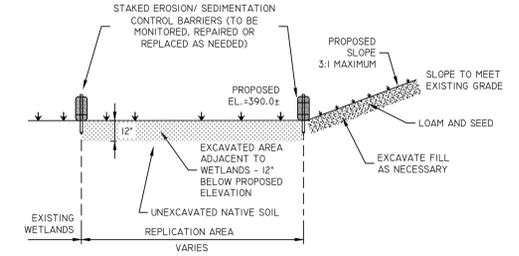
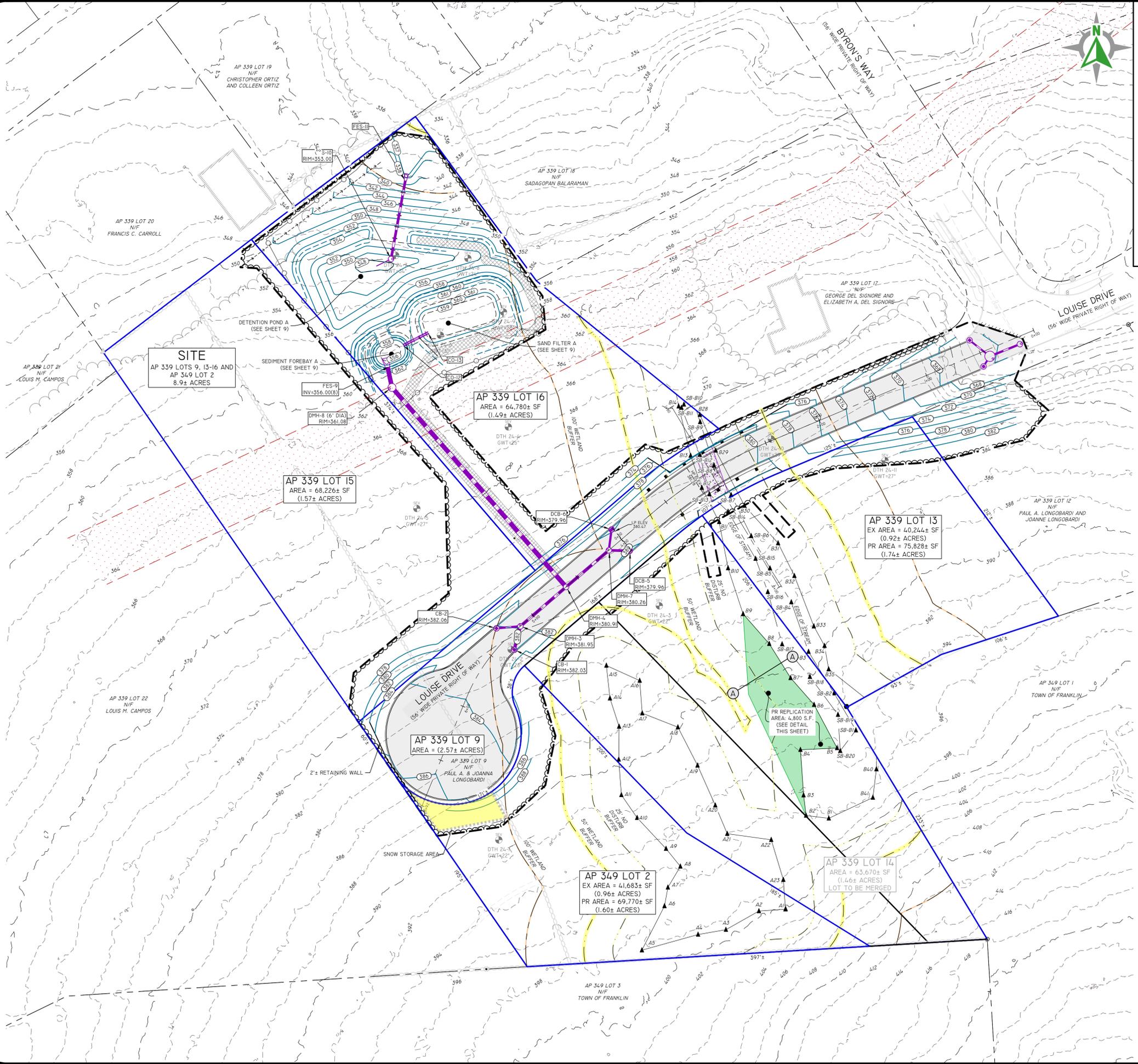
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4	01/22/2025	NO SUBMISSION	
5	01/22/2025	NO SUBMISSION	

SITE PLAN
LOUISE DRIVE EXTENSION
 ASSESSOR'S PLAT 339 LOTS 9, 13-16, & ASSESSOR'S PLAT 349 LOT 2
 FRANKLIN, MASSACHUSETTS
 PREPARED FOR:
PAUL LONGOBARDI
 18 JAMES ST.
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WETLANDS REPLICATION AREA DETAIL: SECTION A-A
NOT TO SCALE

SITE
AP 339 LOTS 9, 13-16 AND
AP 349 LOT 2
8.9± ACRES

AP 339 LOT 15
AREA = 68,226± SF
(1.57± ACRES)

AP 339 LOT 16
AREA = 64,780± SF
(1.49± ACRES)

AP 339 LOT 13
EX AREA = 40,244± SF
(0.92± ACRES)
PR AREA = 75,828± SF
(1.74± ACRES)

AP 339 LOT 9
AREA = (2.57± ACRES)

AP 349 LOT 2
EX AREA = 41,685± SF
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PR AREA = 69,770± SF
(1.60± ACRES)

AP 339 LOT 14
AREA = 63,670± SF
(1.46± ACRES)
LOT TO BE MERGED

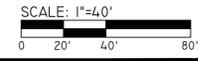
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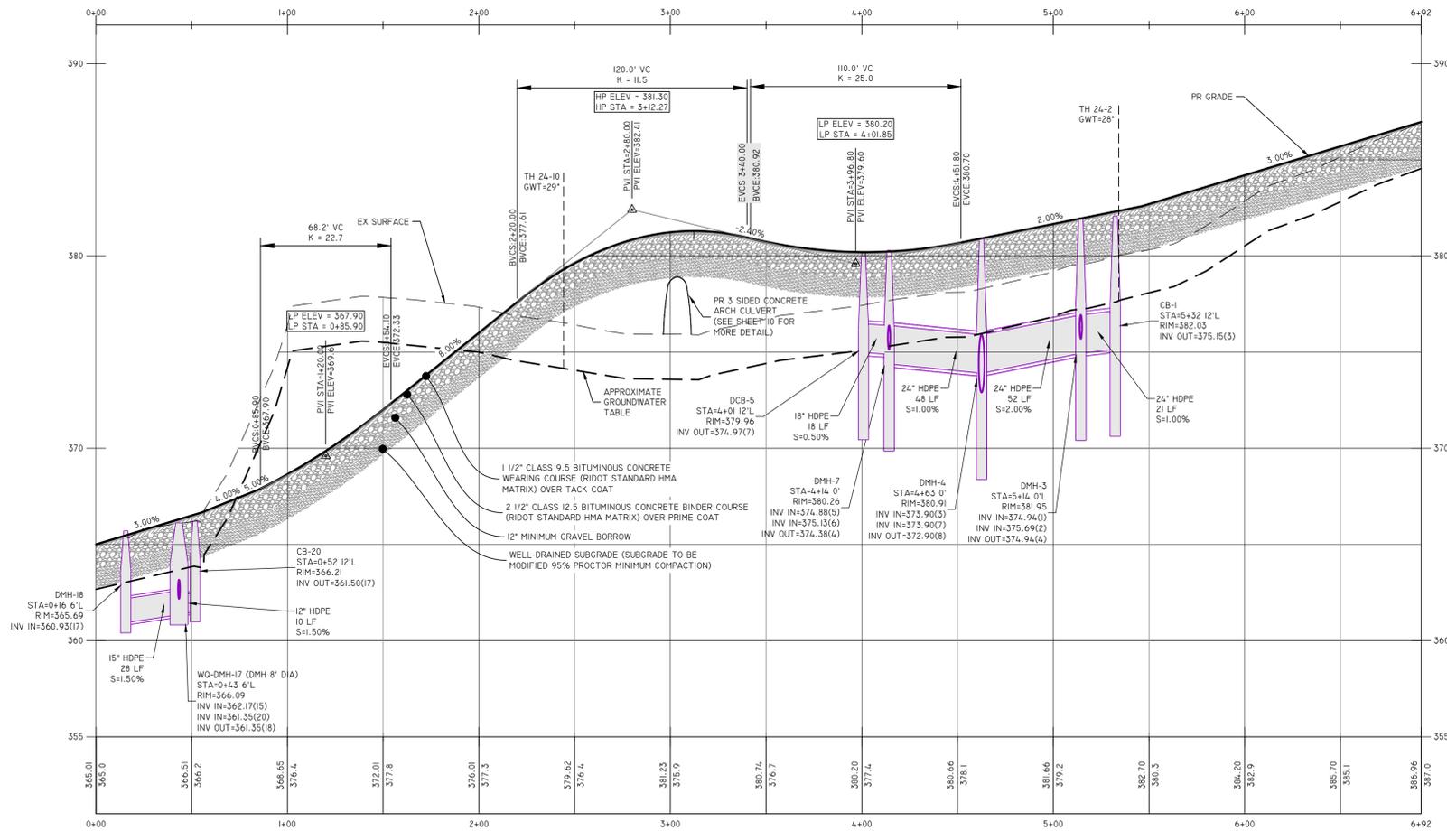
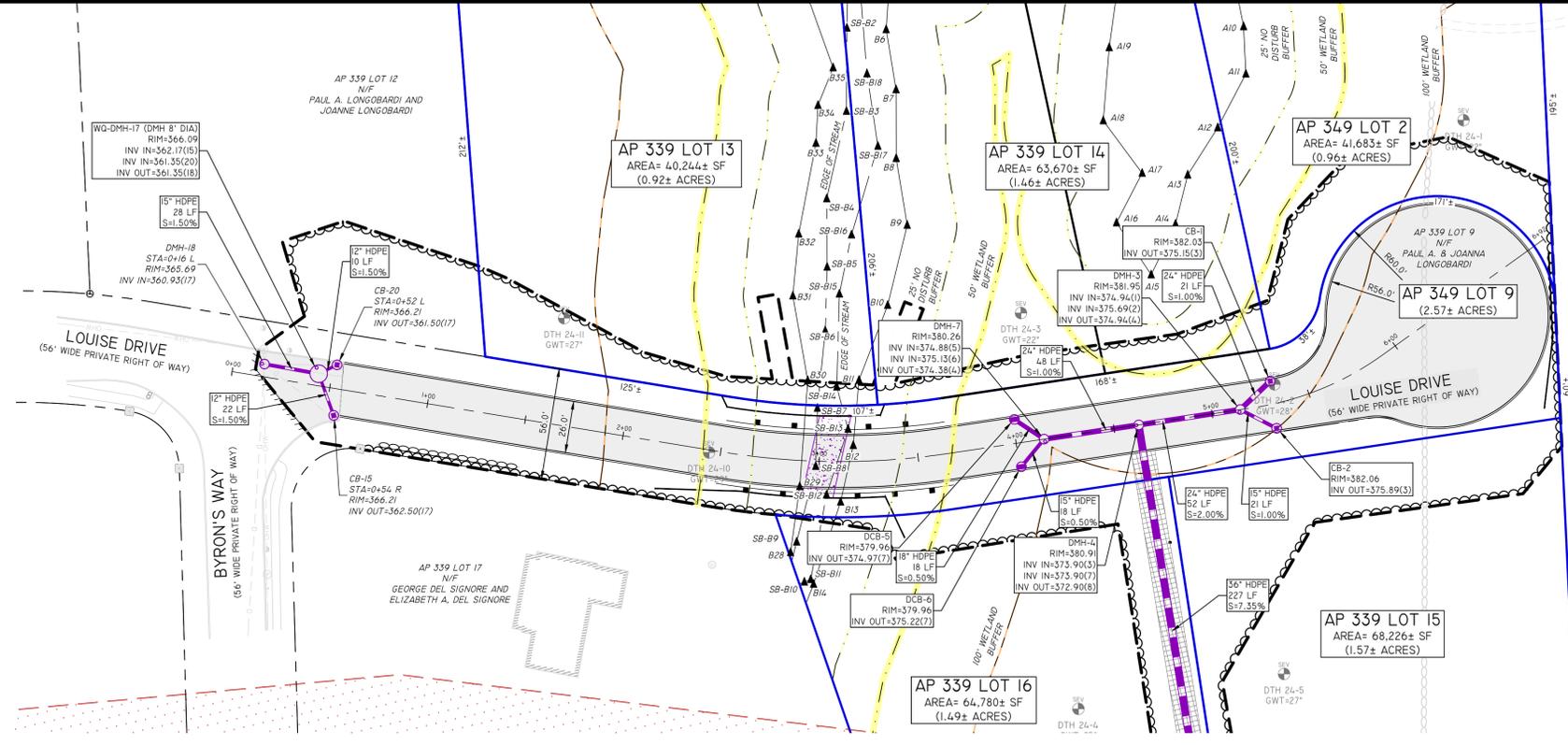
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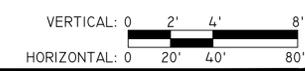
GRADING AND DRAINAGE PLAN
LOUISE DRIVE EXTENSION
ASSESSOR'S PLAT 339 LOTS 9, 13-16, & ASSESSOR'S PLAT 349 LOT 2
FRANKLIN, MASSACHUSETTS
PREPARED FOR:
PAUL LONGOBARDI
FRANKLIN, MASSACHUSETTS 02038
DE JOB NO. 3349-001 COPYRIGHT 2025 BY DIPRETE ENGINEERING ASSOCIATES, INC.



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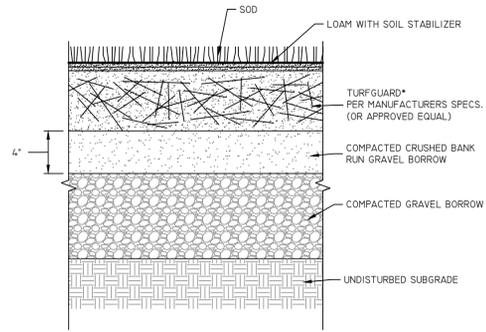
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COMMONWEALTH OF MASSACHUSETTS
 BRANDON D. CARR
 CIVIL
 No. 51472
 REGISTERED PROFESSIONAL ENGINEER
 01/22/2025

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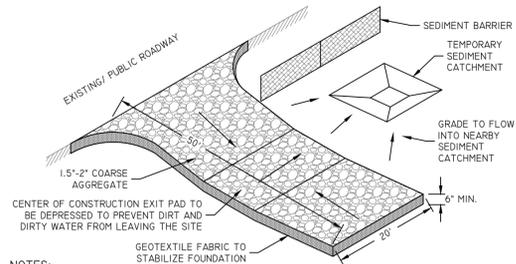
NO.	DATE	DESCRIPTION	DESIGN BY: B.E.G.
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3	01/22/2025	NOT REVISIONS OR COMMENTS	
4	01/22/2025	NOT REVISIONS OR COMMENTS	
5	01/22/2025	NOT REVISIONS OR COMMENTS	

PLAN AND PROFILE
 LOUISE DRIVE EXTENSION
 ASSESSOR'S PLAT 339 LOTS 9, 13-16, & ASSESSOR'S PLAT 349 LOT 2
 FRANKLIN, MASSACHUSETTS
 PREPARED FOR:
 PAUL LONGOBARDI
 FRANKLIN, MASSACHUSETTS 02038
 DRAWN BY: B.E.G.



* TURFGUARD BY NETLON TURF SYSTEMS
WWW.CONVEDPLASTICS.COM
(OR APPROVED EQUAL)

REINFORCED TURF
NOT TO SCALE

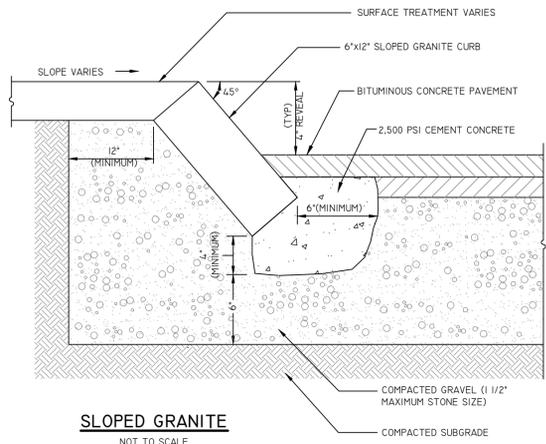


- NOTES:**
- CONTRACTOR SHALL MONITOR AND MAINTAIN THE ENTRANCE TO ENSURE THAT IT IS CLEANED AND FUNCTIONING CORRECTLY TO PREVENT TRACKING OF SEDIMENT BY CONSTRUCTION VEHICLES THAT EXIT THE SITE.
 - THE MAINTENANCE SHALL INCLUDE TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND OR AS DIRECTED BY THE ENGINEER. ALL SEDIMENTS SPILLED, DROPPED, WASHED, OR TRACKED ON THE PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
 - CONTRACTOR PERSONNEL SHALL SUPERVISE EXITING TRAFFIC, CLEAN OFF VEHICLES, AND MAINTAIN THE SEDIMENT CATCHMENT AREA.
 - ADJACENT ENTRANCE/EXIT ROADWAYS SHALL BE SWEEP DAILY BY CONTRACTOR.

**TEMPORARY GRAVEL CONSTRUCTION
ENTRANCE/ EXIT PAD**
NOT TO SCALE

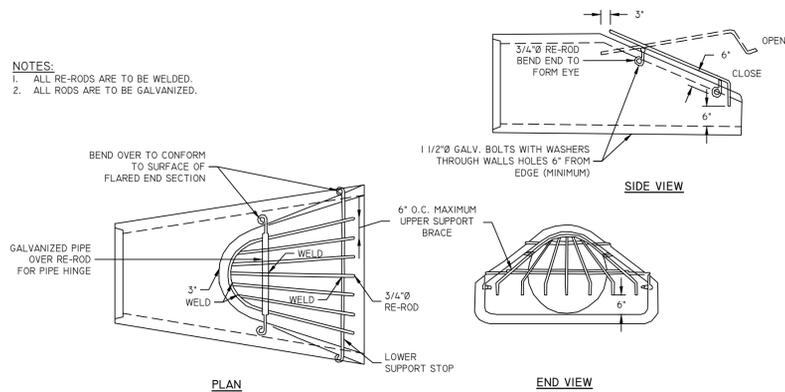
NOTES:

- GRANITE SEGMENTS AROUND CURVES TO BE NO LESS THAN 1'. STRAIGHT SECTIONS TO BE A MINIMUM OF 3' AND MAXIMUM OF 6' IN LENGTH.
- EXCAVATION SHALL BE MADE TO A SUFFICIENT DEPTH TO ALLOW FOR A GRAVEL BASE.
- GRANITE SHALL BE SET SUCH THAT THE FRONT TOP ARRIS LINE CONFORMS TO THE REQUIRED LINE AND GRADE. THE GRAVEL BASE UPON WHICH THE CURB IS TO BE SET SHALL BE COMPACTED TO A FIRM, EVEN SURFACE. CONCRETE BACKFILL SHALL BE PLACED ON PAVED SIDE BENEATH CURBING.
- GRANITE SHALL BE PLACED END-TO-END AS CLOSE AS POSSIBLE. NO MORE THAN 1/2" OPENING SHALL SHOW FOR THE FULL WIDTH OF THE CURB.
- AFTER THE GRANITE HAS BEEN SET, ANY REMAINING EXCAVATED AREAS SHALL BE BACKFILLED WITH AN APPROVED MATERIAL AND THOROUGHLY COMPACTED BACK AND FRONT TO GRADE.
- ALL MATERIALS SHALL CONFORM TO THE RI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.



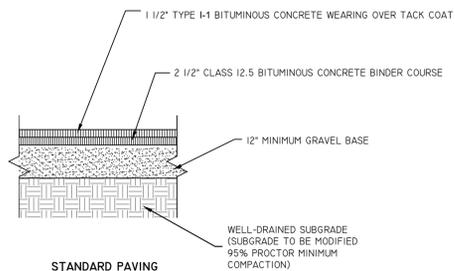
SLOPED GRANITE
NOT TO SCALE

- NOTES:**
- ALL RE-RODS ARE TO BE WELDED.
 - ALL RODS ARE TO BE GALVANIZED.

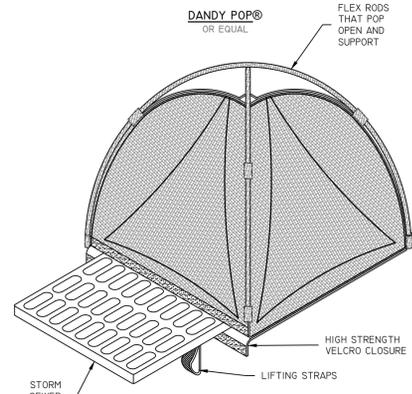


GRATING FOR FLARED END
NOT TO SCALE

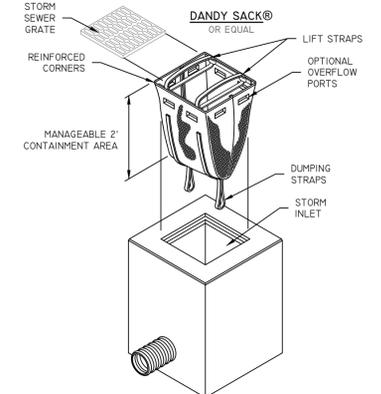
- NOTES:**
- THIS PAVEMENT SECTION DETAIL REFLECTS ASSUMED MINIMUM REQUIREMENTS WITHOUT GEOTECHNICAL EVALUATION. FINAL DESIGN TO BE BASED ON GEOTECHNICAL DATA OF SPECIFIC PROJECT AND DAILY TRAFFIC DESIGN REQUIREMENTS.
 - STREET CROSS SECTION TO COMPLY WITH LATEST TOWN OF FRANKLIN ROAD REQUIREMENTS.



**TYPICAL PAVEMENT SECTION
(CAR TRAFFIC)**
NOT TO SCALE



INLET SEDIMENT CONTROL DEVICES
NOT TO SCALE

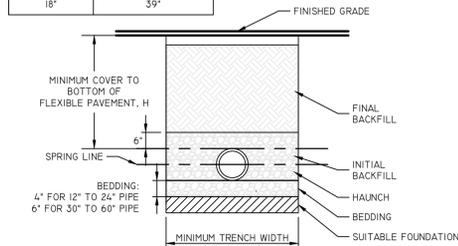


NOT TO SCALE

INSTALLATION NOTES:

- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS, LATEST EDITION.
- MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
- FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
- BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100MM) FOR 4"-24" (100MM-600MM); 6" (150MM) FOR 30"-60" (750MM-900MM).
- INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
- MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" Ø PIPE AND 24" OF COVER FOR 60" Ø PIPE. MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT. FOR TRAFFIC APPLICATIONS WITH LESS THAN FOUR FEET OF COVER, EMBEDMENT OF THE PIPE SHALL BE USING ONLY A CLASS I OR CLASS II BACKFILL.

PIPE Ø	MIN. TRENCH WIDTH	PIPE Ø	MIN. TRENCH WIDTH
4"	21"	30"	56"
6"	23"	36"	64"
8"	26"	42"	72"
10"	28"	48"	80"
12"	30"	60"	96"
15"	34"		
18"	39"		

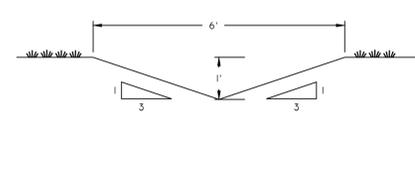


HDPE TRENCH DETAIL
NOT TO SCALE

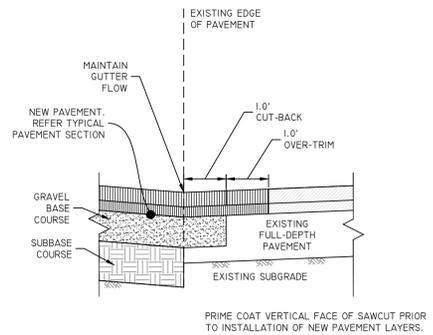
MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS**

PIPE Ø	SURFACE LIVE LOADING CONDITION	
	H-25	HEAVY CONSTRUCTION (75T AXLE LOAD)
12" - 48"	12"	48"
60"	24"	60"

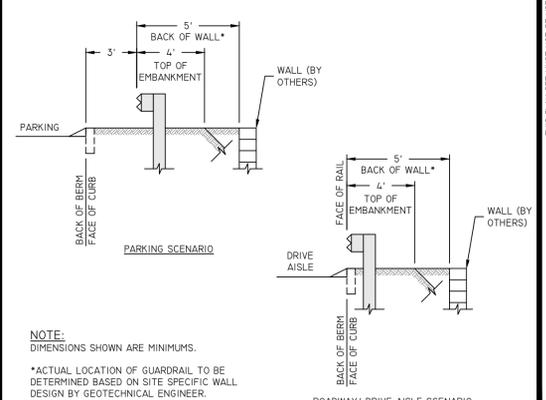
- **VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER.
**SEE BACKFILL REQUIREMENTS IN NOTE 6.



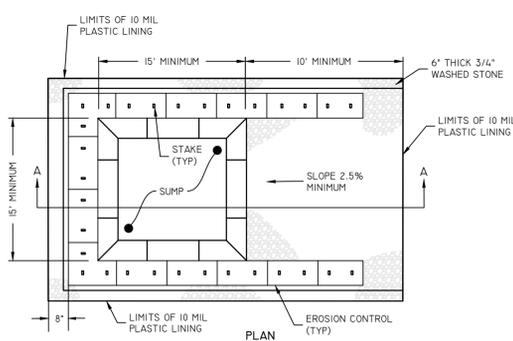
TEMPORARY DIVERSION CHANNEL
NOT TO SCALE



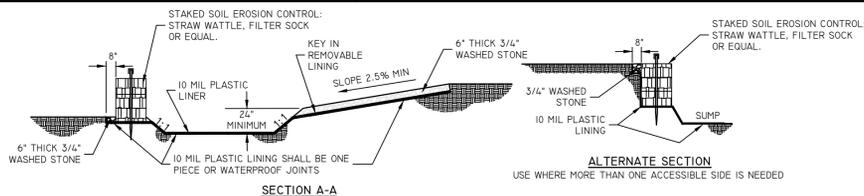
PAVEMENT TIE-IN DETAIL
NOT TO SCALE



GUARDRAIL OFFSET SCENARIOS
NOT TO SCALE

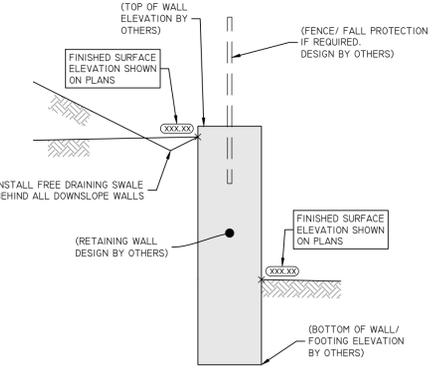


CONCRETE WASHOUT AREA
NOT TO SCALE

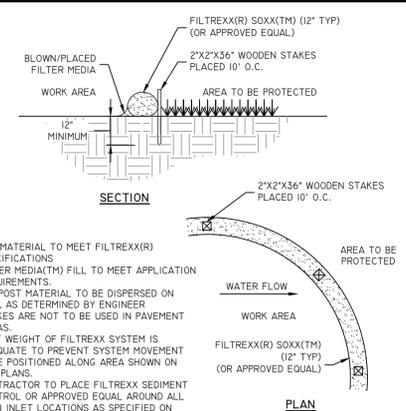


- NOTES:**
- PIT IS SPECIFICALLY DESIGNATED, DIKED AND IMPERVIOUS CONTAINMENT TO PREVENT CONTACT BETWEEN CONCRETE WASH AND STORMWATER.
 - WASH WATER SHALL NOT BE ALLOWED TO FLOW TO SURFACE WATER.
 - FACILITY MUST HOLD SUFFICIENT VOLUME TO CONTAIN CONCRETE WASTE WITH A MINIMUM FREEBOARD OF 12" .
 - FACILITY SHALL NOT BE FILLED BEYOND 75% CAPACITY UNLESS A NEW FACILITY IS CONSTRUCTED.
 - SAWCUT PORTLAND CEMENT CONCRETE, RESIDUE FROM SAWCUT AND GRINDING TO BE DISPOSED OF IN THE PIT.
 - CONCRETE WASHOUTS SHALL BE LOCATED A MINIMUM OF 100' FROM DRAINAGE WAYS, INLETS, AND SURFACE WATERS.
 - MANUFACTURED CONCRETE WASHOUT DEVICES MAY BE USED IF REMOVED FROM THE SITE WHEN 95% FULL CAPACITY.

WASHOUT SIGN



GRADING AT RETAINING WALL
NOT TO SCALE



- NOTES:**
- ALL MATERIAL TO MEET FILTERREXX(R) SPECIFICATIONS
 - FILTER MEDIA(TM) FILL TO MEET APPLICATION REQUIREMENTS.
 - COMPOST MATERIAL TO BE DISPersed ON SITE, AS DETERMINED BY ENGINEER
 - STAKES ARE NOT TO BE USED IN PAVEMENT AREAS
 - SELF WEIGHT OF FILTERREXX SYSTEM IS ADEQUATE TO PREVENT SYSTEM MOVEMENT ONCE POSITIONED ALONG AREA SHOWN ON THE PLANS.
 - CONTRACTOR TO PLACE FILTERREXX SEDIMENT CONTROL OR APPROVED EQUAL AROUND ALL CURB INLET LOCATIONS AS SPECIFIED ON PLANS.

FILTREXX SEDIMENT CONTROL (OR APPROVED EQUAL)
NOT TO SCALE



THIS PLAN SET MUST BE USED FOR CONSTRUCTION PURPOSES AS SHOWN AND NOT BE REPRODUCED OR COPIED WITHOUT THE WRITTEN PERMISSION OF DIPRETE ENGINEERS, PLANNERS & SURVEYORS. DIPRETE ENGINEERS, PLANNERS & SURVEYORS ASSUMES NO RESPONSIBILITY FOR OMISSIONS, ERRORS, OR INADEQUACIES IN THE IMPLEMENTATION OF THIS PLAN AND DESIGN. EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR OMISSIONS, ERRORS, OR INADEQUACIES IN THE IMPLEMENTATION OF THIS PLAN AND DESIGN. SEE UTILITY NOTE ON SHEET 3.

NO.	DATE	DESCRIPTION	DESIGN BY: B.E.G.
1	01/24/2025	NOT REVISIONS TO COMMENTS	W.C.G.
2	01/24/2025	NOT REVISIONS TO COMMENTS	K.J.D.
3	01/24/2025	NOT REVISIONS TO COMMENTS	B.E.G.
4	02/12/2025	NOT REVISIONS TO COMMENTS	B.E.G.