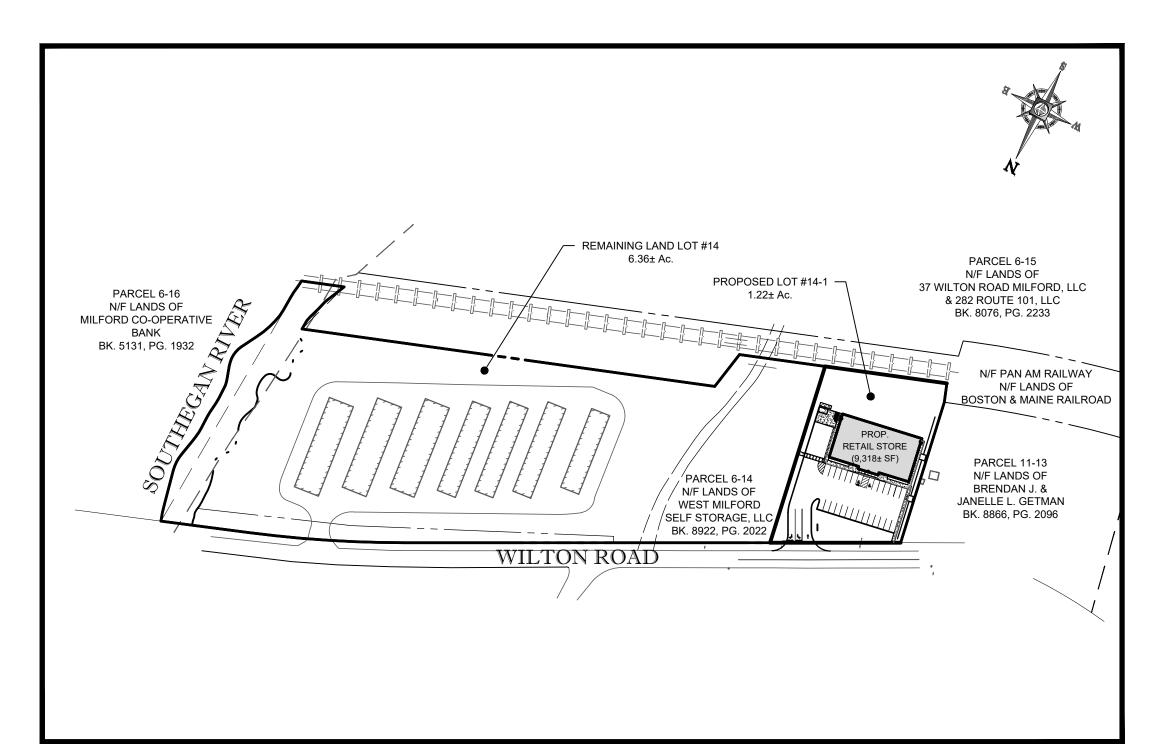
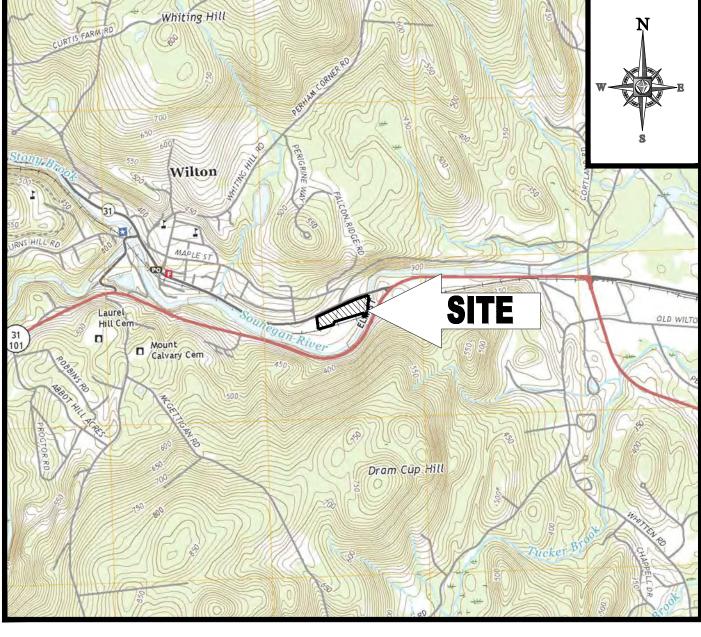
SITE DEVELOPMENT PLANS







LOCATION MAP SCALE: 1"=2000' PLAN REFERENCE: MILFORD, NEW HAMPSHIRE USGS QUADRANGLE

TOT	WN OF MILFOR	RD PLANNING BOARD
	SIGNATURE	DATE
	SIGNATURE	DATE
	SIGNATURE	DATE

SIGNATURE	DATE
SIGNATURE	DATE

PROPERTY OWNER

SIGNATURE

DATE

FOR: PROPOSED

LISCIOTTI DEVELOPMENT CORP.

LOCATION OF SITE:

30 WILTON ROAD, TOWN OF MILFORD HILLSBOROUGH COUNTY, NEW HAMPSHIRE

MAP #6, LOT #14

AREA PLAN SCALE: 1"=150'



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GENERAL NOTES SHEET
DEMOLITION PLAN
SITE PLAN
GRADING & DRAINAGE PL/
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WAIVER REQUESTS:

REQUIRED: "RETAIL SHOPPING CENTERS (0-49,999 SF)" USE REQUIRES 4 SPACES PER 1,000 SF, OR A TOTAL OF THIRTY-SEVEN (37) REQUIRED PARKING SPACES FOR THE PROPOSED 9,318± SQUARE FOOT RETAIL FACILITY. REQUESTED: TWENTY-EIGHT (28) PARKING SPACES ARE PROPOSED FOR THE PROPOSED RETAIL FACILITY.

6.05.6 (E) - PARKING AND LOADING AREA STANDARDS: REQUIRED: ALL OFF-STREET PARKING AND LOADING OR UNLOADING SPACES SHALL BE AT LEAST TEN FEET (10') FROM ANY PUBLIC STREET RIGHT-OF-WAY AND SHALL BE SEPARATED FROM SUCH RIGHT-OF-WAY BY A GRANITE CURB AND LANDSCAPING AS REQUIRED

IN 6.08 LANDSCAPING STANDARDS.

- TOWN OF MILFORD NOTES:
- MILFORD PLANNING BOARD.
- 3. WATER, SEWER, ROAD (INCLUDING PARKING LOT) AND DRAINAGE WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TOWN OF MILFORD'S
- 4. OPEN SPACE CALCULATIONS: 45.5% (24,222± SF TOTAL AREA)
- 6. THE PROJECT IS NOT LOCATED WITHIN THE GROUNDWATER PROTECTION DISTRICT.
- 7. NO WETLANDS HAVE BEEN IDENTIFIED ON THE SUBJECT PROPERTY

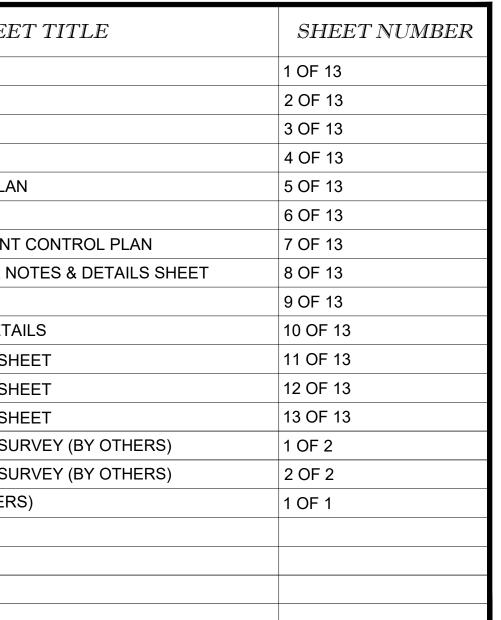
REFERENCE PLANS

• GEOTECHNICAL REPORT, PREPARED BY GEOTECHNICAL SERVICES, INC. DATED 11/12/2018.

OWNER/APPLICANT INFORMATION:

- 1. APPLICANT: MILFORD DG SERIES LLC 83 ORCHARD HILL PARK DRIVE LEOMINSTER, MA, 01453
- 2. OWNER: WEST MILFORD SELF STORAGE, LLC 5 CIARDELLI CROSSING MILFORD, NH 03055
- 3. PARCEL: MAP #6, LOT #14

30 WILTON ROAD TOWN OF MILFORD HILLSBOROUGH COUNTY / NEW HAMPSHIRE



SHEET INDEX

THE FOLLOWING WAIVERS ARE REQUESTED FROM THE TOWN OF MILFORD DEVELOPMENT REGULATIONS:

6.05.4 - TABLE OF OFF-STREET PARKING: (GRANTED AT JANUARY 22, 2019 HEARING)

REQUESTED: NO GRANITE CURBING IS PROPOSED AS PART OF THE PROJECT.

1. THE PURPOSE OF THIS PLAN IS TO REFLECT THE PROPOSED SITE DEVELOPMENT AT THE SUBJECT PROPERTY FOR SUBMISSION TO THE TOWN OF

2. AS-BUILT PLANS SHALL BE DELIVERED TO THE BUILDING DEPARTMENT PRIOR TO A CERTIFICATE OF OCCUPANCY BEING ISSUED.

WATER UTILITIES DEPARTMENT AND PUBLIC WORKS DEPARTMENT STANDARDS.

5. THE PROJECT IS SUBJECT TO POLICE IMPACT FEES IN ACCORDANCE WITH THE TOWN OF MILFORD.

THE FOLLOWING DOCUMENTS ARE INCORPORATED BY REFERENCE AS PART OF THIS SITE PLAN: • "ALTA/NSPS LAND TITLE SURVEY", PREPARED BY CONTROL POINT ASSOCIATES, INC. DATED 11/13/2018.

ENGINEERING	SITE CIVIL AND CONSULTING ENGINEERING LAND SURVEYING PROGRAM MANAGEMENT LANDSCAPE ARCHITECTURE SUSTAINABLE DESIGN PERMITTING SERVICES TRANSPORTATION SERVICES	 ♦ UPSTATE NEW YORK ♦ UPSTATE NEW YORK ♦ NEW ENGLAND ♦ PHILADELPHIA, PA ♦ SOUTHERN MARYLAND ♦ ATLANTA, GA ♦ BOSTON, MA ♦ PITTSBURGH, PA ♦ NORTHERN VIRGINIA ♦ TAMPA, FL 	 ♦ NEW YORK, NY ♦ LEHIGH VALLEY, PA ♦ NEW YORK METRO ♦ SOUTHEASTERN, PA ♦ RALEIGH, NC ♦ DALLAS, TX ♦ NORTHERN NEW JERSEY ♦ REHOBOTH BEACH, DE ♦ WASHINGTON, DC 	IS PLAN ARE PROPRIETARY AND SHALL NOT BE COPIE RING, ONLY APPROVED, SIGNED AND SEALED PLANS SI 2019 BOHIBE Engineering				
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PROJECT: SITE DEVELOPMENT PLANS FOR								
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GENERAL NOTES

CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH THE NOTES AND SPECIFICATIONS CONTAINED HEREIN. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL SUBCONTRACTORS FULLY AND COMPLETELY CONFORM TO AND COMPLY WITH THESE REQUIREMENT:

- THE FOLLOWING DOCUMENTS ARE INCORPORATED BY REFERENCE AS PART OF THIS SITE PLAN
- "ALTA/NSPS LAND TITLE SURVEY", PREPARED BY CONTROL POINT ASSOCIATES, INC, DATED 11/13/2018
- GEOTECHNICAL REPORT, PREPARED BY GEOTECHNICAL SERVICES, INC. DATED 11/12/2018.

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST VERIFY THAT HE/SHE HAS THE LATEST EDITION OF THE DOCUMENTS REFERENCED ABOVE. THIS IS CONTRACTOR'S RESPONSIBILITY

- ALL ACCESSIBLE (A/K/A ADA) PARKING SPACES MUST BE CONSTRUCTED TO MEET, AT A MINIMUM, THE MORE STRINGENT OF THE REQUIREMENTS OF THE "AMERICANS WITH DISABILITIES ACT" (ADA) CODE (42 U.S.C. § 12101 et seq. AND 42 U.S.C. § 4151 et seq.) OR THE REQUIREMENTS OF THE JURISDICTION WHERE THE PROJECT IS TO BE CONSTRUCTED, AND ANY AND ALL AMENDMENTS TO BOTH WHICH ARE IN EFFECT WHEN THESE PLANS ARE COMPLETED.
- PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED THE COMMENTS TO ALL PLANS AND OTHER DOCUMENTS REVIEWED AND APPROVED BY THE PERMITTING AUTHORITIES AND CONFIRMED THAT ALL NECESSARY OR REQUIRED PERMITS HAVE BEEN OBTAINED. CONTRACTOR MUST HAVE COPIES OF ALL PERMITS AND APPROVALS ON SITE AT ALL TIMES.
- THE OWNER/CONTRACTOR MUST BE FAMILIAR WITH AND RESPONSIBLE FOR THE PROCUREMENT OF ANY AND ALL CERTIFICATIONS REQUIRED FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANC
- ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND CONDITIONS OF APPROVAL, AND ALL APPLICABLE REQUIREMENTS, RULES, REGULATIONS. STATUTORY REQUIREMENTS. CODES, LAWS AND STANDARDS OF ALL GOVERNMENTAL ENTITIES WITH JURISDICTION OVER THIS PROJECT
- THE GEOTECHNICAL REPORT AND RECOMMENDATIONS SET FORTH HEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND, IN CASE OF CONFLICT, DISCREPANCY OR AMBIGUITY, THE MORE STRINGENT REQUIREMENTS AND/OR RECOMMENDATIONS CONTAINED IN THE PLANS AND THE GEOTECHNICAL REPORT AND RECOMMENDATIONS SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR MUST NOTIFY THE ENGINEER, IN WRITING, OF ANY SUCH CONFLICT, DISCREPANCY OR AMBIGUITY BETWEEN THE GEOTECHNICAL REPORTS AND PLANS AND SPECIFICATIONS PRIOR TO PROCEEDING WITH ANY FURTHER
- THESE PLANS ARE BASED ON INFORMATION PROVIDED TO BOHLER ENGINEERING BY THE OWNER AND OTHERS PRIOR TO THE TIME OF PLAN PREPARATION. CONTRACTOR MUST FIELD VERIFY EXISTING CONDITIONS AND NOTIFY BOHLER ENGINEERING, IN WRITING, IMMEDIATELY IF ACTUAL SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLAN. OR IF THE PROPOSED WORK CONFLICTS WITH ANY OTHER SITE FEATURES.
- ALL DIMENSIONS SHOWN ON THE PLANS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR MUST NOTIFY ENGINEER. IN WRITING, IF ANY CONFLICTS, DISCREPANCIES, OR AMBIGUITIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION. NO EXTRA COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR WORK WHICH HAS TO BE REDONE OR REPAIRED DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS PRIOR TO CONTRACTOR GIVING ENGINEER WRITTEN NOTIFICATION OF SAME AND ENGINEER. THEREAFTER. PROVIDING CONTRACTOR WITH WRITTEN AUTHORIZATION TO PROCEED WITH SUCH ADDITIONAL WORK
- CONTRACTOR MUST REFER TO THE ARCHITECTURAL/BUILDING PLANS "OF RECORD" FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRY/EXIT POINTS, ELEVATIONS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY LOCATIONS
- 0 PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR MUST COORDINATE THE BUILDING LAYOUT BY CAREFUL REVIEW OF THE ENTIRE SITE PLAN AND THE LATEST ARCHITECTURAL PLANS (INCLUDING, BUT NOT LIMITED TO, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE SUPPRESSION PLAN, WHERE APPLICABLE). CONTRACTOR MUST IMMEDIATELY NOTIFY OWNER. ARCHITECT AND SITE ENGINEER. IN WRITING, OF ANY CONFLICTS, DISCREPANCIES OR AMBIGUITIES WHICH EXIS
- DEBRIS MUST NOT BE BURIED ON THE SUBJECT SITE AND ALL UNSUITABLE EXCAVATED MATERIAL AND DEBRIS (SOLID WASTE) MUST BE DISPOSED OF IN ACCORDANCE WITH E REQUIREMENTS OF ANY AND ALL GOVERNMENTAL AUTHORITIES WHICH HAVE JURISDICTION OVER THIS PROJECT OR OVER CONTRACTOR
- . THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING WHEN SHORING IS REQUIRED AND FOR INSTALLING ALL SHORING REQUIRED DURING EXCAVATION (TO BE PERFORMED IN ACCORDANCE WITH CURRENT OSHA STANDARDS) AND ANY ADDITIONAL PRECAUTIONS TO BE TAKEN TO ASSURE THE STABILITY OF ADJACENT. NEARBY AND CONTIGUOUS STRUCTURES AND PROPERTIES.
- 3. THE CONTRACTOR IS TO EXERCISE EXTREME CARE WHEN PERFORMING ANY WORK ACTIVITIES ADJACENT TO PAVEMENT, STRUCTURES, ETC. WHICH ARE TO REMAIN EITHER FOR AN INITIAL PHASE OF THE PROJECT OR AS PART OF THE FINAL CONDITION. CONTRACTOR IS RESPONSIBLE FOR TAKING ALL APPROPRIATE MEASURES REQUIRED TO ENSURE THE STRUCTURAL STABILITY OF SIDEWALKS AND PAVEMENT, UTILITIES, BUILDINGS, AND INFRASTRUCTURE WHICH ARE TO REMAIN, AND TO PROVIDE A SAFE WORK AREA FOR THIRD PARTIES, PEDESTRIANS AND ANYONE INVOLVED WITH THE PROJECT.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO ANY NEW OR EXISTING CONSTRUCTION OR PROPERTY DURING THE COURSE OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC. AND SHALL BEAR ALL COSTS ASSOCIATED WITH SAME TO INCLUDE, BUT NOT BE LIMITED TO, REDESIGN, RE-SURVEY, RE-PERMITTING AND CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR AND MUST REPLACE ALL SIGNAL INTERCONNECTION CABLE, WIRING CONDUITS, AND ANY UNDERGROUND ACCESSORY EQUIPMENT DAMAGED DURING CONSTRUCTION AND MUST BEAR ALL COSTS ASSOCIATED WITH SAME. THE REPAIR OF ANY SUCH NEW OR EXISTING CONSTRUCTION OR PROPERTY MUST RESTORE SUCH CONSTRUCTION OR PROPERTY TO A CONDITION FOUNDALENT TO OR BETTER. THAN THE CONDITIONS PRIOR TO COMMENCEMENT OF THE CONSTRUCTION AND IN CONFORMANCE WITH APPLICABLE CODES LAWS RULES. REGULATIONS, STATUTORY REQUIREMENTS AND STATUTES. CONTRACTOR MUST BEAR ALL COSTS ASSOCIATED WITH SAME. CONTRACTOR IS RESPONSIBLE TO DOCUMENT ALL EXISTING DAMAGE AND TO NOTIFY THE OWNER AND THE CONSTRUCTION MANAGER PRIOR TO THE START OF CONSTRUCTION.
- 5. ALL CONCRETE MUST BE AIR ENTRAINED AND HAVE THE MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS UNLESS OTHERWISE NOTED ON THE PLANS, DETAILS AND/OR GEOTECHNICAL REPORT
- THE ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION METHODS. MEANS. TECHNIQUES OR PROCEDURES. GENERALLY OR FOR THE CONSTRUCTION MEANS. METHODS. TECHNIQUES OR PROCEDURES FOR COMPLETION OF THE WORK DEPICTED BOTH ON THESE PLANS, AND FOR ANY CONFLICTS/SCOPE REVISIONS WHICH RESULT FROM SAME CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE METHODS/MEANS FOR COMPLETION OF THE WORK PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY. THE ENGINEER OF RECORD HAS NOT BEEN RETAINED TO PERFORM OR BE RESPONSIBLE FOR JOB SITE SAFETY, SAME BEING WHOLLY OUTSIDE OF ENGINEER'S SERVICES AS RELATED TO THE PROJECT. THE ENGINEER OF RECORD IS NOT RESPONSIBLE TO IDENTIFY OR REPORT ANY JOB SITE SAFETY ISSUES, AT ANY TIME
- 3. ALL CONTRACTORS MUST CARRY THE SPECIFIED STATUTORY WORKER'S COMPENSATION INSURANCE. EMPLOYER'S LIABILITY INSURANCE AND LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE (CGL). ALL CONTRACTORS MUST HAVE THEIR CGL POLICIES ENDORSED TO NAME BOHLER ENGINEERING, AND ITS PAST, PRESENT AND FUTURE OWNERS, OFFICERS, DIRECTORS, PARTNERS, SHAREHOLDERS, MEMBERS, PRINCIPALS, COMMISSIONERS, AGENTS, SERVANTS, EMPLOYEES, AFFILIATES, BUBSIDIARIES, AND RELATED ENTITIES, AND ITS SUBCONTRACTORS AND SUBCONSULTANTS AS ADDITIONAL NAMED INSURED AND TO PROVIDE CONTRACTUAL LIABILITY COVERAGE SUFFICIENT TO INSURE THIS HOLD HARMLESS AND INDEMNITY OBLIGATIONS ASSUMED BY THE CONTRACTORS. ALL CONTRACTORS MUST FURNISH BOHLER ENGINEERING WITH CERTIFICATIONS OF INSURANCE AS EVIDENCE OF THE REQUIRED INSURANCE PRIOR TO COMMENCING WORK AND UPON RENEWAL OF EACH POLICY DURING THE ENTIRE PERIOD OF CONSTRUCTION AND FOR ONE YEAR AFTER THE COMPLETION OF CONSTRUCTION. IN ADDITION. ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, INDEMNIFY, DEFEND AND HOLD HARMLESS BOHLER ENGINEERING AND ITS PAST, PRESENT AND FUTURE OWNERS, OFFICERS, DIRECTORS, PARTNERS, SHAREHOLDERS, MEMBERS, PRINCIPALS, COMMISSIONERS, AGENTS, SERVANTS, EMPLOYEES, AFFILIATES, SUBSIDIARIES, AND RELATED ENTITIES. AND ITS SUBCONTRACTORS AND SUBCONSULTANTS FROM AND AGAINST ANY DAMAGES, INJURIES, CLAIMS, ACTIONS, PENALTIES, EXPENSES, PUNITIVE DAMAGES, TORT AGES. STATUTORY CLAIMS, STATUTORY CAUSES OF ACTION, LOSSES, CAUSES OF ACTION, LIABILITIES OR COSTS, INCLUDING, BUT NOT LIMITED TO, REASONABLI ATTORNEYS' FEES AND DEFENSE COSTS, ARISING OUT OF OR IN ANY WAY CONNECTED WITH OR TO THE PROJECT, INCLUDING ALL CLAIMS BY EMPLOYEES OF THI CONTRACTORS, ALL CLAIMS BY THIRD PARTIES AND ALL CLAIMS RELATED TO THE PROJECT. CONTRACTOR MUST NOTIFY ENGINEER, IN WRITING, AT LEAST THIRTY (30) DAYS PRIOR TO ANY TERMINATION, SUSPENSION OR CHANGE OF ITS INSURANCE HEREUNDER.
- 9. BOHLER ENGINEERING WILL REVIEW OR TAKE OTHER APPROPRIATE ACTION ON THE CONTRACTOR SUBMITTALS, SUCH AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES, AND OTHER DATA WHICH THE CONTRACTOR IS REQUIRED TO SUBMIT, BUT ONLY FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH THE DESIGN INTENT AND THE INFORMATION SHOWN IN THE CONSTRUCTION CONTRACT DOCUMENTS. CONSTRUCTION MEANS AND/OR METHODS AND/OR TECHNIQUES OR PROCEDURES. COORDINATION OF THE WORK WITH OTHER TRADES AND CONSTRUCTION SAFETY PRECAUTIONS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND BOHLER HAS NO RESPONSIBILITY OR LIABILITY FOR SAME HEREUNDER. BOHLER ENGINEERING'S SHOP DRAWING REVIEW WILL BE CONDUCTED WITH REASONABLE PROMPTNESS WHILE ALLOWING SUFFICIENT TIME TO PERMIT ADEQUATE REVIEW. REVIEW OF A SPECIFIC ITEM MUST NOT INDICATE THAT BOHLER ENGINEERING HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. BOHLER ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NOT PROMPTLY AND IMMEDIATELY BROUGHT TO ITS ATTENTION, IN WRITING, BY THE CONTRACTOR. BOHLER ENGINEERING WILL NOT BE REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATED ITEMS HAVE NOT BEEN RECEIVED
- . NEITHER THE PROFESSIONAL ACTIVITIES OF BOHLER ENGINEERING, NOR THE PRESENCE OF BOHLER ENGINEERING AND/OR ITS PAST, PRESENT AND FUTURE OWNERS OFFICERS, DIRECTORS, PARTNERS, SHAREHOLDERS, MEMBERS, PRINCIPALS, COMMISSIONERS, AGENTS, SERVANTS, EMPLOYEES, AFFILIATES, SUBSIDIARIES, AND RELATED ENTITIES AND ITS SUBCONTRACTORS AND SUBCONSULTANTS AT A CONSTRUCTION/PROJECT SITE SHALL RELIEVE THE GENERAL CONTRACTOR OF ITS OBLIGATIONS DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING. OVERSEEING. SUPERINTENDING AND COORDINATING THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND COMPLIANCE WITH ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES WITH JURISDICTION OVER THE PROJECT AND/OR PROPERTY. BOHLER ENGINEERING AND ITS PERSONNEI HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY HEALTH OR SAFETY PROGRAMS OR PROCEDURES. THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY. BOHLER ENGINEERING SHALL BE INDEMNIFIED BY THE
- GENERAL CONTRACTOR AND MUST BE NAMED AN ADDITIONAL INSURED UNDER THE GENERAL CONTRACTOR'S POLICIES OF GENERAL LIABILITY INSURANCE AS DESCRIBED ABOVE IN NOTE 19 FOR JOB SITE SAFETY IF THE CONTRACTOR DEVIATES FROM THE PLANS AND SPECIFICATIONS. INCLUDING THE NOTES CONTAINED HEREIN, WITHOUT FIRST OBTAINING THE PRIOR WRITTEN AUTHORIZATION OF THE ENGINEER FOR SUCH DEVIATIONS, THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PAYMENT OF ALL COSTS INCURRED IN CORRECTING ANY
- WORK DONE WHICH DEVIATES FROM THE PLANS ALL FINES AND/OR PENALTIES ASSESSED WITH RESPECT THERETO AND ALL COMPENSATORY OR PLINITIVE DAMAGES RESULTING THEREFROM AND. FURTHER. SHALL DEFEND. INDEMNIFY AND HOLD HARMLESS THE ENGINEER. TO THE FULLEST EXTENT PERMITTED UNDER THE LAW. IN ACCORDANCE WITH PARAGRAPH 19 HEREIN, FOR AND FROM ALL FEES, ATTORNEYS' FEES, DAMAGES, COSTS, JUDGMENTS, PENALTIES AND THE LIKE RELATED TO SAME
- 22. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND PROTECTION OF TRAFFIC PLAN FOR ALL WORK THAT AFFECTS PUBLIC TRAVEL EITHER IN THE R.O.W. OR ON SITE. THE COST FOR THIS ITEM MUST BE INCLUDED IN THE CONTRACTOR'S PRICE.
- 23. ALL SIGNING AND PAVEMENT STRIPING MUST CONFORM TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES OR LOCALLY APPROVED SUPPLEMENT. . ENGINEER IS NOT RESPONSIBLE FOR ANY INJURY OR DAMAGES RESULTING FROM CONTRACTOR'S FAILURE TO BUILD OR CONSTRUCT IN STRICT ACCORDANCE WITH THE
- APPROVED PLANS. IF CONTRACTOR AND/OR OWNER FAIL TO BUILD OR CONSTRUCT IN STRICT ACCORDANCE WITH APPROVED PLANS, THEY AGREE TO JOINTLY AND SEVERALLY INDEMNIFY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER INCURS. . OWNER MUST MAINTAIN AND PRESERVE ALL PHYSICAL SITE FEATURES AND DESIGN FEATURES DEPICTED ON THE PLANS AND RELATED DOCUMENTS, IN STRICT
- ACCORDANCE WITH THE APPROVED PLAN(S) AND DESIGN AND, FURTHER ENGINEER IS NOT RESPONSIBLE FOR ANY FAILURE TO SO MAINTAIN OR PRESERVE SITE AND/OR DESIGN FEATURES. IF OWNER FAILS TO MAINTAIN AND/OR PRESERVE ALL PHYSICAL SITE FEATURES AND/OR DESIGN FEATURES DEPICTED ON THE PLANS AND RELATED DOCUMENTS, OWNER AGREES TO INDEMNIFY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER INCURS AS A RESULT OF SAID FAILURE.
- 26. ALL DIMENSIONS MUST BE TO FACE OF CURB, EDGE OF PAVEMENT, OR EDGE OF BUILDING, UNLESS NOTED OTHERWISE.
- 7. ALL CONSTRUCTION AND MATERIALS MUST COMPLY WITH AND CONFORM TO APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, LAWS, ORDINANCES, RULES AND CODES, AND ALL APPLICABLE OSHA REQUIREMENTS.
- 28. CONTRACTOR AND OWNER MUST INSTALL ALL ELEMENTS AND COMPONENTS IN STRICT COMPLIANCE WITH AND ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDED INSTALLATION CRITERIA AND SPECIFICATIONS. IF CONTRACTOR AND/OR OWNER FAIL TO DO SO, THEY AGREE TO JOINTLY AND SEVERALLY INDEMNIFY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER INCURS AS A RESULT OF SAID FAILURE.
- 29. CONTRACTOR IS RESPONSIBLE TO MAINTAIN ON-SITE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN COMPLIANCE WITH EPA REQUIREMENTS FOR SITES WHERE ONE (1) ACRE OR MORE (UNLESS THE LOCAL JURISDICTION REQUIRES FEWER) IS DISTURBED BY CONSTRUCTION ACTIVITIES. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL ACTIVITIES, INCLUDING THOSE OF SUBCONTRACTORS, ARE IN COMPLIANCE WITH THE SWPPP, INCLUDING BUT NOT LIMITED TO LOGGING ACTIVITIES (MINIMUM ONCE PER WEEK AND AFTER RAINFALL EVENTS) AND CORRECTIVE MEASURES. AS APPROPRIATE.
- 0. AS CONTAINED IN THESE DRAWINGS AND ASSOCIATED APPLICATION DOCUMENTS PREPARED BY THE SIGNATORY PROFESSIONAL ENGINEER, THE USE OF THE WORDS CERTIFY OR CERTIFICATION CONSTITUTES AN EXPRESSION OF "PROFESSIONAL OPINION" REGARDING THE INFORMATION WHICH IS THE SUBJECT OF THE UNDERSIGNED PROFESSIONAL'S KNOWLEDGE OR BELIEF AND IN ACCORDANCE WITH COMMON ACCEPTED PROCEDURE CONSISTENT WITH THE APPLICABLE STANDARDS OF PRACTICE, AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE. EITHER EXPRESSED OR IMPLIED

GENERAL GRADING & UTILITY PLAN NOTES

- LOCATIONS OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE INDEPENDENTLY CONFIRMED WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICE CONNECTION POINTS MUST BE INDEPENDENTLY CONFIRMED BY THE CONTRACTOR IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES MUST IMMEDIATELY BE REPORTED, IN WRITING, TO THE ENGINEER. CONSTRUCTION MUST COMMENCE BEGINNING AT THE LOWEST INVERT (POINT OF CONNECTION) AND PROGRESS UP GRADIENT. PROPOSED INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- CONTRACTOR MUST VERTICALLY AND HORIZONTALLY LOCATE ALL LITUTIES AND SERVICES INCLUDING BUT NOT LIMITED TO GAS WATER ELECTRIC SANITARY AND STORM SEWER TELEPHONE CARLE FIRER OPTIC BOHLER ENGINEERING HAS NO CONTRACTUAL LEGAL OR OTHER RESPONSIBILITY FOR JOB SITE SAFETY OR JOB SITE SUPERVISION OR ANYTHING RELATED TO SA CABLE. ETC. WITHIN THE LIMITS OF DISTURBANCE OR WORK SPACE, WHICHEVER IS GREATER. THE CONTRACTOR MUST USE. REFER TO, AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO ANY EXISTING UTILITIES DURING CONSTRUCTION. AT NO COST TO THE OWNER. CONTRACTOR THE DEMOLITION PLAN IS INTENDED TO PROVIDE GENERAL INFORMATION, ONLY, REGARDING ITEMS TO BE DEMOLISHED AND/OR REMOVED. THE CONTRACTOR MUS SHALL BEAR ALL COSTS ASSOCIATED WITH DAMAGE TO ANY EXISTING UTILITIES DURING CONSTRUCTION. HE OTHER SITE PLAN DRAWINGS AND INCLUDE IN DEMOLITION ACTIVITIES ALL INCIDENTAL WORK NECESSARY FOR THE CONSTRUCTION OF THE NEW SITE IMPROVE
- 3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL CONSTRUCTION CONTRACT DOCUMENTS INCLUDING, BUT NOT LIMITED TO, ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK OPE PRIOR TO THE INITIATION AND COMMENCEMENT OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT AND/OR DISCREPANCY BETWEEN THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE OR APPLICABLE CODES, REGULATIONS, LAWS, RULES, STATUTES AND/OR ORDINANCES, IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD, IN WRITING, OF SAID CONFLICT AND/OR DISCREPANCY PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR'S FAILURE TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE CONTRACTOR'S FULL AND COMPLETE ACCEPTANCE OF ALL RESPONSIBILITY TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS, LAWS, STATUTES, ORDINANCES AND CODES AND, FURTHER, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH SAME.
- THE CONTRACTOR MUST LOCATE AND CLEARLY AND UNAMBIGUOUSLY DEFINE VERTICALLY AND HORIZONTALLY ALL ACTIVE AND INACTIVE UTILITY AND/OR SERVICE SYSTEMS THAT ARE TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN ALL ACTIVE AND INACTIVE SYSTEMS THAT ARE NOT BEING REMOVED/RELOCATED DURING SITE ACTIVITY
- THE CONTRACTOR MUST FAMILIARIZE ITSELF WITH THE APPLICABLE UTILITY SERVICE PROVIDER REQUIREMENTS AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION AS IDENTIFIED OR REQUIRED FOR THE PROJECT. THE CONTRACTOR MUST PROVIDE THE OWNER WITH WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH THE JURISDICTION AND UTILITY COMPANY REQUIREMENTS AND ALL OTHER APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES.
- THE CONTRACTOR MUST INSTALL ALL STORM SEWER AND SANITARY SEWER COMPONENTS WHICH FUNCTION BY GRAVITY PRIOR TO THE INSTALLATION OF ALL OTHER UTILITIES. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF SITE PLAN DOCUMENTS AND ARCHITECTURAL DESIGN FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS, GREASE TRAP REQUIREMENTS/DETAILS, DOOR ACCESS, AND EXTERIOR GRADING. THE ARCHITECT WILL DETERMINE THE UTILITY SERVICE SIZES. THE CONTRACTOR MUST COORDINATE INSTALLATION OF UTILITIES/SERVICES WITH THE INDIVIDUAL COMPANIES. TO AVOID CONFLICTS AND TO ENSURE THAT PROPER DEPTHS ARE ACHIEVED. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT INSTALLATION OF ALL IMPROVEMENTS COMPLIES WITH ALL UTILITY REQUIREMENTS WITH JURISDICTION AND/OR CONTROL OF THE SITE, AND ALL OTHER APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES AND, FURTHER, IS RESPONSIBLE FOR COORDINATING THE UTILITY TIE-INS/CONNECTIONS PRIOR TO CONNECTING TO THE EXISTING UTILITY/SERVICE. WHERE A CONFLICT(S) EXISTS BETWEEN THESE SITE PLANS AND THE ARCHITECTURAL PLANS, OR WHERE ARCHITECTURAL PLAN UTILITY CONNECTION POINTS DIFFER, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER, IN WRITING, AND PRIOR TO CONSTRUCTION, RESOLVE SAME.
- WATER SERVICE MATERIALS, BURIAL DEPTH, AND COVER REQUIREMENTS MUST BE SPECIFIED BY THE LOCAL UTILITY COMPANY. CONTRACTOR'S PRICE FOR WATER SERVICE MUST INCLUDE ALL FEES, COSTS AND APPURTENANCES REQUIRED BY THE UTILITY TO PROVIDE FULL AND COMPLETE WORKING SERVICE. CONTRACTOR MUST CONTACT THE APPLICABLE MUNICIPALITY TO CONFIRM THE PROPER WATER METER AND VAULT, PRIOR TO COMMENCING CONSTRUCTION
- PROVIDER INSTALLATION SPECIFICATIONS AND STANDARDS.
- SITE GRADING MUST BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT REFERENCED IN THIS PLAN SET. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REPLACING UNSUITABLE MATERIALS WITH SUITABLE MATERIALS AS SPECIFIED IN THE GEOTECHNICAL REPORT. ALL EXCAVATED OR FILLED AREAS MUST BE COMPACTED AS OUTLINED IN THE GEOTECHNICAL REPORT. MOISTURE CONTENT AT TIME OF PLACEMENT MUST BE SUBMITTED IN A COMPACTION REPORT PREPARED BY A QUALIFIED GEOTECHNICAL ENGINEER. REGISTERED WITH THE STATE WHERE THE WORK IS PERFORMED, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREAS AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT AND ALL APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES. SUBBASE MATERIAL FOR SIDEWALKS, CURB, OR ASPHALT MUST BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. SHOULD SUBBASE BE DEEMED UNSUITABLE BY OWNER/DEVELOPER, OR OWNER/DEVELOPER'S REPRESENTATIVE. SUBBASE IS TO BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL COMPACTED AS DIRECTED BY THE GEOTECHNICAL REPORT. EARTHWORK ACTIVITIES INCLUDING. BUT NOT LIMITED TO EXCAVATION BACKFILL AND COMPACTING MUST COMPLY WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT AND ALL APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES. EARTHWORK ACTIVITIES MUST COMPLY WITH THE STANDARD STATE DOT SPECIFICATIONS FOR ROADWAY CONSTRUCTION (LATEST EDITION) AND ANY AMENDMENTS OR REVISIONS THERETO.
- THE CONTRACTOR MUST PROVIDE ALL "MEANS AND METHODS" NECESSARY TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF EXISTING STRUCTURES, ALL FILL, COMPACTION, AND BACKFILL MATERIALS REQUIRED FOR UTILITY INSTALLATION MUST BE AS PER THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT AND MUST BE COORDINATED WITH THE IMPROVEMENTS THAT ARE REMAINING ON OR OFF SITE. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS OF DAMAGE TO ALL ITEMS THAT ARE TO REMAIN APPLICABLE UTILITY COMPANY SPECIFICATIONS. WHEN THE PROJECT DOES NOT HAVE GEOTECHNICAL RECOMMENDATIONS, FILL AND COMPACTION MUST, AT A MINIMUM, COMPLY WITH THE STATE DOT REQUIREMENTS MUST USE NEW MATERIAL FOR ALL REPAIRS. CONTRACTOR'S REPAIR MUST INCLUDE THE RESTORATION OF ANY ITEMS REPAIRED TO THE PRE-DEMOLITION AND SPECIFICATIONS AND CONSULTANT SHALL HAVE NO LIABILITY OR RESPONSIBILITY FOR OR AS RELATED TO FILL, COMPACTION AND BACKFILL. FURTHER, CONTRACTOR IS FULLY RESPONSIBLE FOR EARTHWORK BETTER. CONTRACTOR SHALL PERFORM ALL REPAIRS AT THE CONTRACTOR'S SOLE EXPENSE.
- THE CONTRACTOR MUST NOT PERFORM ANY FARTH MOVEMENT ACTIVITIES DEMOLITION OR REMOVAL OF FOUNDATION WALLS FOOTINGS OR OTHER MATER THE CONTRACTOR MUST COMPLY, TO THE FULLEST EXTENT, WITH THE LATEST OSHA STANDARDS AND REGULATIONS, AND/OR ANY OTHER AGENCY WITH JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEANS AND METHODS" REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR LIMITS OF DISTURBANCE UNLESS SAME IS IN STRICT ACCORDANCE AND CONFORMANCE WITH THE PROJECT PLANS AND SPECIFICATIONS, AND/OR UNDER THE WR EXCAVATION AND/OR TRENCHING PROCEDURES AND CONSULTANT SHALL HAVE NO RESPONSIBILITY FOR OR AS RELATED FOR OR AS RELATED TO EXCAVATION AND TRENCHING PROCEDURES OF THE OWNER'S STRUCTURAL OR GEOTECHNICAL ENGINEER
- PAVEMENT MUST BE SAW CUT IN STRAIGHT LINES, AND EXCEPT FOR EDGE OF BUTT JOINTS, MUST EXTEND TO THE FULL DEPTH OF THE EXISTING PAVEMENT. ALL DEBRIS FROM REMOVAL OPERATIONS MUST BE REMOVED FROM THE SITE AT THE TIME OF EXCAVATION. STOCKPILING OF DEBRIS WILL NOT BE PERMITTED.
- THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, AND SANITARY CLEANOUT TOPS MUST BE ADJUSTED, AS NECESSARY, TO MATCH PROPOSED GRADES IN ACCORDANCE WITH ALL APPLICABLE STANDARDS, REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES.
- DURING THE INSTALLATION OF SANITARY SEWER. STORM SEWER. AND ALL UTILITIES. THE CONTRACTOR MUST MAINTAIN A CONTEMPORANEOUS AND THOROUGH RECORD OF CONSTRUCTION TO IDENTIFY THE AS-INSTALLED LOCATIONS OF ALL UNDERGROUND INFRASTRUCTURE. THE CONTRACTOR MUST CAREFULLY NOTE ANY INSTALLATIONS THAT DEVIATE FROM THE INFORMATION CONTAINED IN THE UTILITY PLAN. THIS RECORD MUST BE KEPT ON A CLEAN COPY OF THE DRAINAGE OR UTILITY PLAN, WHICH CONTRACTOR MUST PROMPTLY PROVIDE TO THE OWNER AT THE COMPLETION OF WORK.
- WHEN THE SITE IMPROVEMENT PLANS INVOLVE MULTIPLE BUILDINGS, SOME OF WHICH MAY BE BUILT AT A LATER DATE, THE CONTRACTOR MUST EXTEND ALL LINES, INCLUDING BUT NOT LIMITED TO STORM SEWER, SANITARY SEWER, UTILITIES, AND IRRIGATION LINE, TO A POINT AT LEAST FIVE (5) FEET BEYOND THE PAVED AREAS FOR WHICH THE CONTRACTOR IS RESPONSIBLE. CONTRACTOR MUST CAP ENDS AS APPROPRIATE, MARK LOCATIONS WITH A 2X4, AND MUST NOTE THE LOCATION OF ALL OF THE ABOVE ON A CLEAN COPY OF THE DRAINAGE OR UTILITY PLAN, WHICH CONTRACTOR MUST PROMPTLY PROVIDE TO THE OWNER UPON COMPLETION OF THE WORK.
- 13. CONTRACTOR MUST CONDUCT DEMOLITION ACTIVITIES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, WALKW, THE CONTRACTOR IS FULLY RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCING ANY CONSTRUCTION. CONTRACTOR MUST CONFIRM ADJACENT FACILITIES. STREET CLOSURE PERMITS MUST BE RECEIVED FROM THE APPROPRIATE GOVERNMENTAL AUTHORITY PRIOR TO THE COMMENCEME AND ENSURE 0.75% MINIMUM SLOPE AGAINST ALL ISLANDS, GUTTERS, AND CURBS; 1.0% ON ALL CONCRETE SURFACES; AND 1.5% MINIMUM ON ASPHALT (EXCEPT WHERE ADA REQUIREMENTS OR EXISTING TOPOGRAPHY OPENING OR DEMOLITION ACTIVITIES IN OR ADJACENT TO THE RIGHT-OF-WAY. LIMIT GRADES). TO PREVENT PONDING. CONTRACTOR MUST IMMEDIATELY IDENTIFY. IN WRITING TO THE ENGINEER. ANY DISCREPANCIES THAT MAY OR COULD AFFECT THE PUBLIC SAFETY. HEALTH OR GENERAL WEI FARE OR PROJECT COST. IF CONTRACTOR PROCEEDS WITH CONSTRUCTION WITHOUT PROVIDING PROPER NOTIFICATION. MUST BE AT THE CONTRACTOR'S OWN RISK AND, FURTHER, CONTRACTOR SHALL DEMOLITION ACTIVITIES AND EQUIPMENT MUST NOT USE AREAS OUTSIDE THE DEFINED PROJECT LIMIT LINE, WITHOUT WRITTEN PERMISSION OF THE C INDEMNIFY, DEFEND AND HOLD HARMLESS THE DESIGN ENGINEER FOR ANY DAMAGES, COSTS, INJURIES, ATTORNEY'S FEES AND THE LIKE WHICH RESULT FROM SAME GOVERNMENTAL AGENCIES WITH JURISDICTION.
- PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6" ABOVE EXISTING LOCAL ASPHALT GRADE UNLESS OTHERWISE NOTED. FIELD ADJUST TO CREATE A MINIMUM OF 0.75% GUTTER GRADE ALONG CURB FACE. IT IS CONTRACTOR'S OBLIGATION TO ENSURE THAT DESIGN ENGINEER APPROVES FINAL CURBING CUT SHEETS PRIOR TO INSTALLATION OF SAME.
- 19. REFER TO THIS SHEET FOR ADDITIONAL NOTES.
- ENGINEER, IN WRITING, OF ANY DISCREPANCIES AND/OR CONFLICTS. CONTRACTOR IS REQUIRED TO SECURE ALL NECESSARY AND/OR REQUIRED PERMITS AND APPROVALS FOR ALL OFF SITE MATERIAL SOURCES AND DISPOSAL FACILITIES. CONTRACTOR MUST SUPPLY A COPY OF APPROVALS TO ENGINEER AND OWNER PRIOR TO INITIATING ANY WORK.
- WHERE RETAINING WALLS (WHETHER OR NOT THEY MEET THE JURISDICTIONAL DEFINITION) ARE IDENTIFIED ON PLANS, ELEVATIONS IDENTIFIED ARE FOR THE EXPOSED PORTION OF THE WALL. WALL 22. PROFESSIONAL LICENSED IN THE STATE WHERE THE CONSTRUCTION OCCURS
- 23. STORM DRAINAGE PIPE: UNLESS INDICATED OTHERWISE, ALL STORM SEWER PIPE MUST BE REINFORCED CONCRETE PIPE (RCP) CLASS III WITH SILT TIGHT JOINTS. WHEN HIGH-DENSITY POLYETHYLENE PIPE (HDPE) IS CALLED FOR ON THE PLANS, IT MUST CONFORM TO AASHTO M294 AND TYPE S (SMOOTH INTERIOR WITH ANGULAR CORRUGATIONS) WITH GASKET FOR SILT TIGHT JOINT. PVC PIPE FOR ROOF DRAIN CONNECTION MUST BE SDR 26 OR SCHEDULE 40 UNLESS INDICATED OTHERWISE
- 24. UNLESS INDICATED OTHERWISE ON THE DRAWINGS, SANITARY SEWER PIPE SHALL BE AS FOLLOWS: FOR PIPES LESS THAN 12 FT. DEEP: POLYVINYL CHLORIDE (PVC) SDR 35 PER ASTMD3034 FOR PIPES MORE THAN 12 FT. DEEP. POLYVINYL CHLORIDE (PVC) SDR 26 PER ASTMD3034 • FOR PIPE WITHIN 10FT. OF BUILDING, PIPE MATERIAL SHALL CONPLY WITH APPLICABLE BUILDING AND PLLMBING CODES. CONTRACTOR TO VERIFY WITH LOCAL OFFICIALS.
- 25. STORM AND SANITARY SEWER PIPE LENGTHS INDICATED ARE NOMINAL AND MEASURED CENTER OF INLET AND/OR MANHOLES STRUCTURE TO CENTER OF STRUCTURE
- 26. STORMWATER ROOF DRAIN LOCATIONS ARE BASED ON PRELIMINARY ARCHITECTURAL PLANS. CONTRACTOR IS RESPONSIBLE TO AND FOR VERIFYING LOCATIONS OF SAME BASED ON FINAL ARCHITECTURAL PLANS. SEWERS CROSSING STREAMS AND/OR LOCATION WITHIN 10 FEET OF THE STREAM EMBANKMENT, OR WHERE SITE CONDITIONS SO INDICATE. MUST BE CONSTRUCTED OF STEEL. REINFORCED CONCRETE. DUCTILE IRON OR OTHER SUITABLE MATERIAL. SEWERS CONVEYING SANITARY FLOW COMBINED SANITARY AND STORMWATER FLOW OR INDUSTRIAL FLOW MUST BE SEPARATED FROM WATER MAINS BY A DISTANCE OF AT LEAST 10. FEET HORIZONTALLY. IF SUCH LATERAL SEPARATION IS NOT POSSIBLE. THE PIPES MUST BE IN SEPARATE TRENCHES WITH THE SEWER AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN. OR SUCH OTHER SEPARATION AS APPROVED BY THE GOVERNMENT AGENCY WITH JURISDICTION OVER SAME
- WHERE APPROPRIATE SEPARATION FROM A WATER MAIN IS NOT POSSIBLE, THE SEWER MUST BE ENCASED IN CONCRETE, OR CONSTRUCTED OF DUCTILE IRON PIPE USING MECHANICAL OR SLIP-ON JOINTS FOR A DISTANCE OF AT LEAST 10 FEET ON EITHER SIDE OF THE CROSSING. IN ADDITION, ONE FULL LENGTH OF SEWER PIPE SHOULD BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE WATER LINE AS POSSIBLE. WHERE A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT FOR THE SEWER MUST BE PROVIDED
- 28. WATER MAIN PIPING MUST BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE LOCAL WATER PURVEYOR. IN THE ABSENCE OF SUCH REQUIREMENTS. WATER MAIN PIPING MUST BE
- CEMENT-LINED DUCTILE IRON (DIP) MINIMUM CLASS 52 THICKNESS. ALL PIPE AND APPURTENANCES MUST COMPLY WITH THE APPLICABLE AWWA STANDARDS IN EFFECT AT THE TIME OF APPLICATION.
- CONTRACTOR MUST ENSURE THAT ALL UTILITY TRENCHES LOCATED IN EXISTING PAVED ROADWAYS INCLUDING SEWER. WATER AND STORM SYSTEMS, MUST BE REPAIRED IN ACCORDANCE WITH REFERENCED MUNICIPAL. COUNTY AND/OR DOT DETAILS AS APPLICABLE. CONTRACTOR MUST COORDINATE INSPECTION AND APPROVAL OF COMPLETED WORK WITH THE AGENCY WITH JURISDICTION OVER SAME.
- LOCATION OF PROPOSED UTILITY POLE RELOCATION IS AT THE SOLE DISCRETION OF UTILITY COMPAN
- CONSULTANT IS NEITHER LIABLE NOR RESPONSIBLE FOR ANY SUBSURFACE CONDITIONS AND FURTHER, SHALL HAVE NO LIABILITY FOR ANY HAZARDOUS MATERIALS, HAZARDOUS SUBSTANCES, OR POLLUTANTS ON, ABOUT OR UNDER THE PROPERTY.

ALL NEW UTILITIES/SERVICES, INCLUDING ELECTRIC, TELEPHONE, CABLE TV, ETC. ARE TO BE INSTALLED UNDERGROUND. ALL NEW UTILITIES/SERVICES MUST BE INSTALLED IN ACCORDANCE WITH THE UTILITY/SERVICE

IN THE EVENT OF DISCREPANCIES AND/OR CONFLICTS BETWEEN PLANS OR RELATIVE TO OTHER PLANS, THE SITE PLAN WILL TAKE PRECEDENCE AND CONTROL. CONTRACTOR MUST IMMEDIATELY NOTIFY THE DESIGN

GENERAL DEMOLITION NOTES

THIS PLAN REFERENCES DOCUMENTS AND INFORMATION BY ALTA/NSPS LAND TITLE SURVEY

30 WILTON ROAD PARCEL 6-14 TOWN OF MILFORD, HILLSBOROUGH COUNTY

- CONTRACTOR MUST RAISE ANY QUESTIONS CONCERNING THE ACCURACY OR INTENT OF THESE PLANS OR SPECIFICATIONS, CONCERNS REGARDING THE APPLICAE STANDARDS, OR THE SAFETY OF THE CONTRACTOR OR THIRD PARTIES IN PERFORMING THE WORK ON THIS PROJECT, WITH BOHLER ENGINEERING, IN WRITING, AND TO BY BOHLER. IN WRITING, PRIOR TO THE INITIATION OF ANY SITE ACTIVITY AND ANY DEMOLITION ACTIVITY, ALL DEMOLITION ACTIVITIES MUST BE PERFORMED IN WITH THE REQUIREMENTS OF THESE PLANS AND SPECIFICATIONS AND ALL APPLICABLE FEDERAL. STATE AND LOCAL REGULATIONS, RULES, REQUIREMENTS, STATU ORDINANCES AND CODES.
- 5. PRIOR TO STARTING ANY DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR/TO:
- A. OBTAINING ALL REQUIRED PERMITS AND MAINTAINING THE SAME ON SITE FOR REVIEW BY THE ENGINEER AND OTHER PUBLIC AGENCIES WITH JURISDICTION TH DURATION OF THE PROJECT, SITE WORK, AND DEMOLITION WORK.
- B. NOTIFYING, AT A MINIMUM, THE MUNICIPAL ENGINEER, DESIGN ENGINEER, AND LOCAL SOIL CONSERVATION DISTRICT, 72 HOURS PRIOR TO THE START OF WORK.
- C. INSTALLING THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE DISTURBANCE. D. IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR MUST CALL THE STATE ONE-CALL DAMAGE PROTECTION SYSTEM FOR UTILITY MARKOUT, IN ADVANCE OF ANY
- E. LOCATING AND PROTECTING ALL UTILITIES AND SERVICES, INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHON OPTIC CABLE, ETC. WITHIN AND ADJACENT TO THE LIMITS OF PROJECT ACTIVITIES. THE CONTRACTOR MUST USE AND COMPLY WITH THE REQUIREMENTS OF 1 UTILITY NOTIFICATION SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES.
- F. PROTECTING AND MAINTAINING IN OPERATION, ALL ACTIVE UTILITIES AND SYSTEMS THAT ARE NOT BEING REMOVED DURING ALL DEMOLITION ACTIVITIES.
- G ARRANGING FOR AND COORDINATING WITH THE APPLICABLE UTILITY SERVICE PROVIDER(S) FOR THE TEMPORARY OR PERMANENT TERMINATION OF SERVICE R PROJECT PLANS AND SPECIFICATIONS. THE CONTRACTOR MUST PROVIDE THE UTILITY ENGINEER AND OWNER WRITTEN NOTIFICATION THAT THE EXISTIN SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTIONAL AND UTILITY COMPANY REQUIREMENTS
- H. COORDINATION WITH UTILITY COMPANIES REGARDING WORKING "OFF-PEAK" HOURS OR ON WEEKENDS AS MAY BE REQUIRED TO MINIMIZE THE IMPACT ON THE AFF WORK REQUIRED TO BE DONE "OFF-PEAK" IS TO BE DONE AT NO ADDITIONAL COST TO THE OWNER.
- I. IN THE EVENT THE CONTRACTOR DISCOVERS ANY HAZARDOUS MATERIAL. THE REMOVAL OF WHICH IS NOT ADDRESSED IN THE PROJECT PLANS AND SPEC CONTRACTOR MUST IMMEDIATELY CEASE ALL WORK AND IMMEDIATELY NOTIFY THE OWNER AND ENGINEER OF THE DISCOVERY OF SUCH MATERIALS
- THE FIRM OR ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION. CONTRACTOR MUST PROCEED WITH THE DEMOLITION IN A SYS SAFE MANNER, FOLLOWING ALL THE OSHA REQUIREMENTS, TO ENSURE PUBLIC AND CONTRACTOR SAFETY
- CONTRACTOR MUST BACKFILL ALL EXCAVATION RESULTING FROM, OR INCIDENTAL TO, DEMOLITION ACTIVITIES. BACKFILL MUST BE ACCOMPLISHED WITH APPR MATERIALS, AND MUST BE SUFFICIENTLY COMPACTED TO SUPPORT NEW IMPROVEMENTS AND PERFORMED IN COMPLIANCE WITH THE RECOMMENDATIONS AND (GEOTECHNICAL REPORT. BACKFILLING MUST OCCUR IMMEDIATELY AFTER DEMOLITION ACTIVITIES, AND MUST BE DONE SO AS TO PREVENT WATER ENTERING T FINISHED SURFACES MUST BE GRADED TO PROMOTE POSITIVE DRAINAGE.
- 11. EXPLOSIVES MUST NOT BE USED WITHOUT PRIOR WRITTEN CONSENT OF BOTH THE OWNER AND ALL APPLICABLE GOVERNMENTAL AUTHORITIES. ALL THE REQUIRE EXPLOSIVE CONTROL MEASURES THAT ARE REQUIRED BY THE FEDERAL, STATE, AND LOCAL GOVERNMENTS MUST BE IN PLACE PRIOR TO CONTRACTOR STARTIN PROGRAM AND/OR ANY DEMOLITION. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL INSPECTION AND SEISMIC VIBRATION TESTING THAT IS REQUIRED T EFFECTS ON ALL LOCAL STRUCTURES.
- 12. CONTRACTOR MUST PROVIDE TRAFFIC CONTROL AND GENERALLY ACCEPTED SAFE PRACTICES IN CONFORMANCE WITH THE CURRENT FHWA "MANUAL ON U CONTROL DEVICES" (MUTCD), AND THE FEDERAL, STATE, AND LOCAL REGULATIONS WHEN DEMOLITION RELATED ACTIVITIES IMPACT ROADWAYS AND/OR ROADWAY
- THE CONTRACTOR MUST USE DUST CONTROL MEASURES TO LIMIT AIRBORNE DUST AND DIRT RISING AND SCATTERING IN THE AIR IN ACCORDANCE WITH FEDERAL 15 LOCAL STANDARDS. AFTER THE DEMOLITION IS COMPLETE, CONTRACTOR MUST CLEAN ALL ADJACENT STRUCTURES AND IMPROVEMENTS TO REMOVE ALL DL CAUSED BY THE DEMOLITION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL ADJACENT AREAS TO THEIR "PRE-DEMOLITION" CONDITION.
- CONTRACTOR IS RESPONSIBLE TO SAFEGUARD THE SITE AS NECESSARY TO PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE ENTRY OF ERSONS AT ANY TIME.
- 17. CONTRACTOR IS RESPONSIBLE FOR SITE JOB SAFETY, WHICH MUST INCLUDE, BUT NOT BE LIMITED TO, THE INSTALLATION AND MAINTENANCE OF BARRIERS, FENC APPROPRIATE SAFETY ITEMS NECESSARY TO PROTECT THE PUBLIC FROM AREAS OF CONSTRUCTION AND CONSTRUCTION ACTIVITY.
- THIS DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING ITEMS/CONDITIONS WHICH ARE TO BE REMOVED. IT IS NOT INTENDED TO PROVIDE DIRI MEANS, METHODS, SEQUENCING, TECHNIQUES AND PROCEDURES TO BE USED TO ACCOMPLISH THAT WORK. ALL MEANS, METHODS, SEQUENCING, TI PROCEDURES TO BE USED MUST BE IN STRICT ACCORDANCE WITH ALL STATE, FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR MUS ALL OSHA AND OTHER SAFETY PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK SITE.
- 19 DEBRIS MUST NOT BE BURIED ON THE SUBJECT SITE ALL DEMOLITION WASTES AND DEBRIS (SOLID WASTE) MUST BE DISPOSED OF IN ACCORDANCE WITH ALL MUN STATE, AND FEDERAL LAWS AND APPLICABLE CODES. THE CONTRACTOR MUST MAINTAIN RECORDS TO DEMONSTRATE PROPER DISPOSAL ACTIVITIES. TO BE PROP TO THE OWNER UPON REQUEST.
- 20. CONTRACTOR MUST MAINTAIN A RECORD SET OF PLANS UPON WHICH IS INDICATED THE LOCATION OF EXISTING UTILITIES THAT ARE CAPPED, ABANDONEI RELOCATED DUE TO DEMOLITION ACTIVITIES. THIS RECORD DOCUMENT MUST BE PREPARED IN A NEAT AND WORKMAN-LIKE MANNER, AND TURNED OWNER/DEVELOPER UPON COMPLETION OF THE WORK.

ADA INSTRUCTIONS TO CONTRACTOR:

CONTRACTORS MUST EXERCISE APPROPRIATE CARE AND PRECISION IN CONSTRUCTION OF ADA (ACCESSIBLE) ACCESSIBLE COMPONENTS AND ACCESS ROUTES FOR COMPONENTS, AS CONSTRUCTED, MUST COMPLY WITH ALL APPLICABLE STATE AND LOCAL ACCESSIBILITY LAWS AND REGULATIONS AND THE CURRENT ADA AND/OR ST/ ARCHITECTURAL ACCESS BOARD STANDARDS AND REGULATIONS' BARRIER FREE ACCESS AND ANY MODIFICATIONS, REVISIONS OR UPDATES TO SAME. FINISHED SURFA THE ACCESSIBLE ROUTE OF TRAVEL FROM PARKING SPACE, PUBLIC TRANSPORTATION, PEDESTRIAN ACCESS, INTER-BUILDING ACCESS, TO POINTS OF ACCESSIBLE BUI ENTRANCE/EXIT, MUST COMPLY WITH THESE ADA AND/OR ARCHITECTURAL ACCESS BOARD CODE REQUIREMENTS. THESE INCLUDE, BUT ARE NOT LIMITED TO THE FOLLO

- PARKING SPACES AND PARKING AISLES SLOPE SHALL NOT EXCEED 1:50 (1/4" PER FOOT OR NOMINALLY 2.0%) IN ANY DIRECTION.
- CURB RAMPS SLOPE MUST NOT EXCEED 1:12 (8.3%) FOR A MAXIMUM OF SIX (6) FEET.
- LANDINGS MUST BE PROVIDED AT EACH END OF RAMPS, MUST PROVIDE POSITIVE DRAINAGE, AND MUST NOT EXCEED 1:50 (1/4" PER FOOT OR NOMINALLY 2.0%) IN AN • PATH OF TRAVEL ALONG ACCESSIBLE ROUTE - MUST PROVIDE A 36-INCH OR GREATER UNOBSTRUCTED WIDTH OF TRAVEL (CAR OVERHANGS AND/OR HANDRAILS THIS MINIMUM WIDTH). THE SLOPE MUST BE NO GREATER THAN 1:20 (5.0%) IN THE DIRECTION OF TRAVEL, AND MUST NOT EXCEED 1:50 (1/4" PER FOOT OR NOMINALL
- SLOPE. WHERE PATH OF TRAVEL WILL BE GREATER THAN 1:20 (5.0%), ADA RAMP MUST BE ADHERED TO. A MAXIMUM SLOPE OF 1:12 (8.3%), FOR A MAXIMUM RISE OF BE PROVIDED. THE RAMP MUST HAVE ADA HAND RAILS AND "LEVEL" LANDINGS ON EACH END THAT ARE CROSS SLOPED NO MORE THAN 1:50 IN ANY DIRECTION (1 NOMINALLY 2.0%) FOR POSITIVE DRAINAGE.
- DOORWAYS MUST HAVE A "LEVEL" LANDING AREA ON THE EXTERIOR SIDE OF THE DOOR THAT IS SLOPED AWAY FROM THE DOOR NO MORE THAN 1:50 (1/4" PER FOO 2.0%) FOR POSITIVE DRAINAGE. THIS LANDING AREA MUST BE NO LESS THAN 60 INCHES (5 FEET) LONG, EXCEPT WHERE OTHERWISE PERMITTED BY ADA S ALTERNATIVE DOORWAY OPENING CONDITIONS. (SEE ICC/ANSI A117.1-2003 AND OTHER REFERENCED INCORPORATED BY CODE.)
- WHEN THE PROPOSED CONSTRUCTION INVOLVES RECONSTRUCTION, MODIFICATION, REVISION OR EXTENSION OF OR TO ADA COMPONENTS FROM EXISTING SURFACES, CONTRACTOR MUST VERIFY EXISTING ELEVATIONS SHOWN ON THE PLAN. NOTE THAT TABLE 405.2 OF THE DEPARTMENT OF JUSTICE'S ADA STANDARDS F DESIGN ALLOWS FOR STEEPER RAMP SLOPES, IN RARE CIRCUMSTANCES. THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE DESIGN ENGINEER OF ANY DISCREF FIELD CONDITIONS THAT DIFFER IN ANY WAY OR ANY RESPECT FROM WHAT IS SHOWN ON THE PLANS. IN WRITING, BEFORE COMMENCEMENT OF WORK. IMPROVEMENTS MUST FALL WITHIN THE MAXIMUM AND MINIMUM LIMITATIONS IMPOSED BY THE BARRIER FREE REGULATIONS AND THE ADA REQUIREMENTS.
- THE CONTRACTOR MUST VERIFY THE SLOPES OF CONTRACTOR'S FORMS PRIOR TO POURING CONCRETE. IF ANY NON-CONFORMANCE IS OBSERVED OR EXISTS, CON IMMEDIATELY NOTIFY THE ENGINEER PRIOR TO POURING CONCRETE. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS TO REMOVE, REPAIR AND REPLACE N CONCRETE.
- IT IS STRONGLY RECOMMENDED THAT THE CONTRACTOR REVIEW THE INTENDED CONSTRUCTION WITH THE LOCAL BUILDING CODE PRIOR TO COMMENCEMENT OF CON

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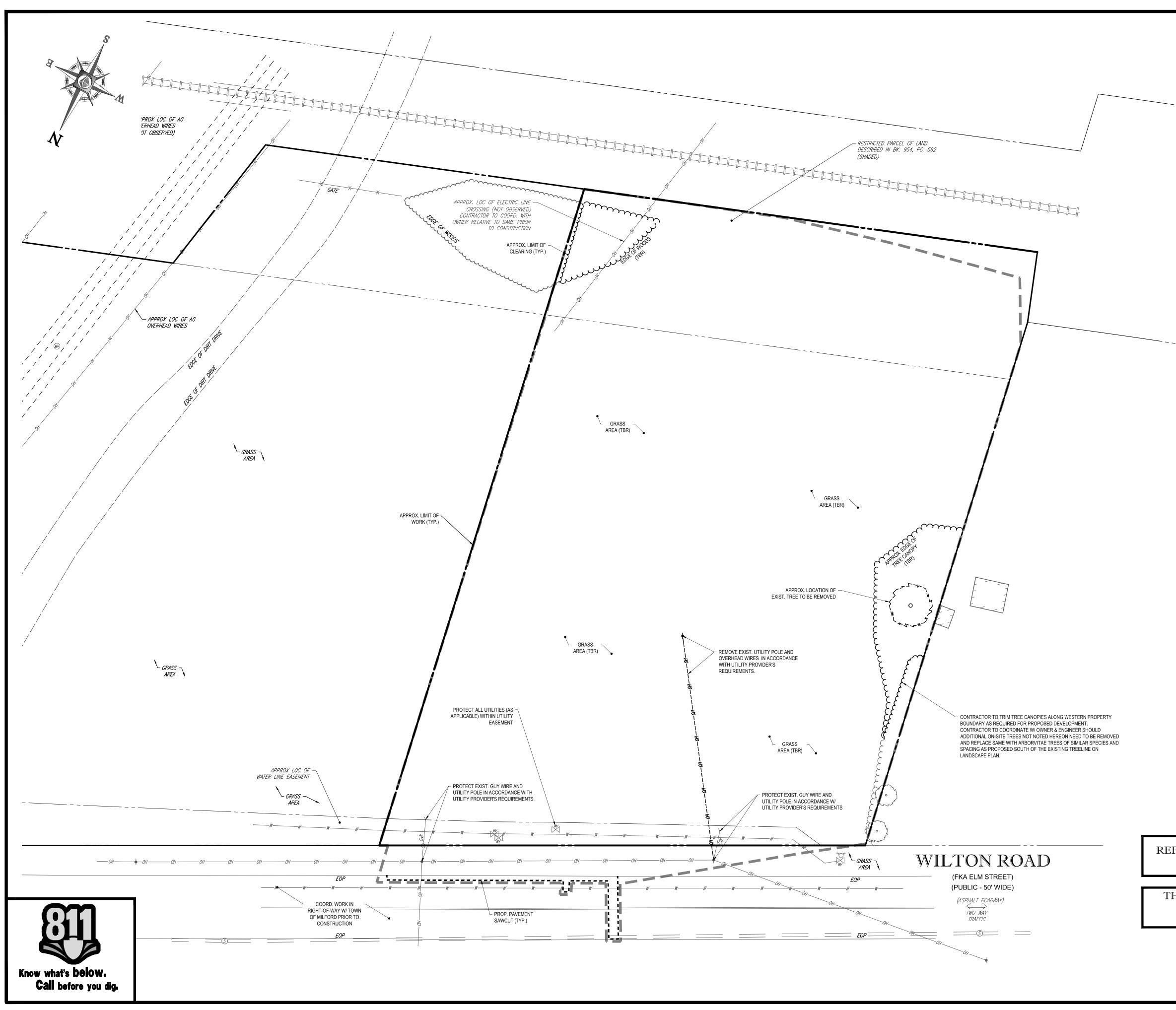
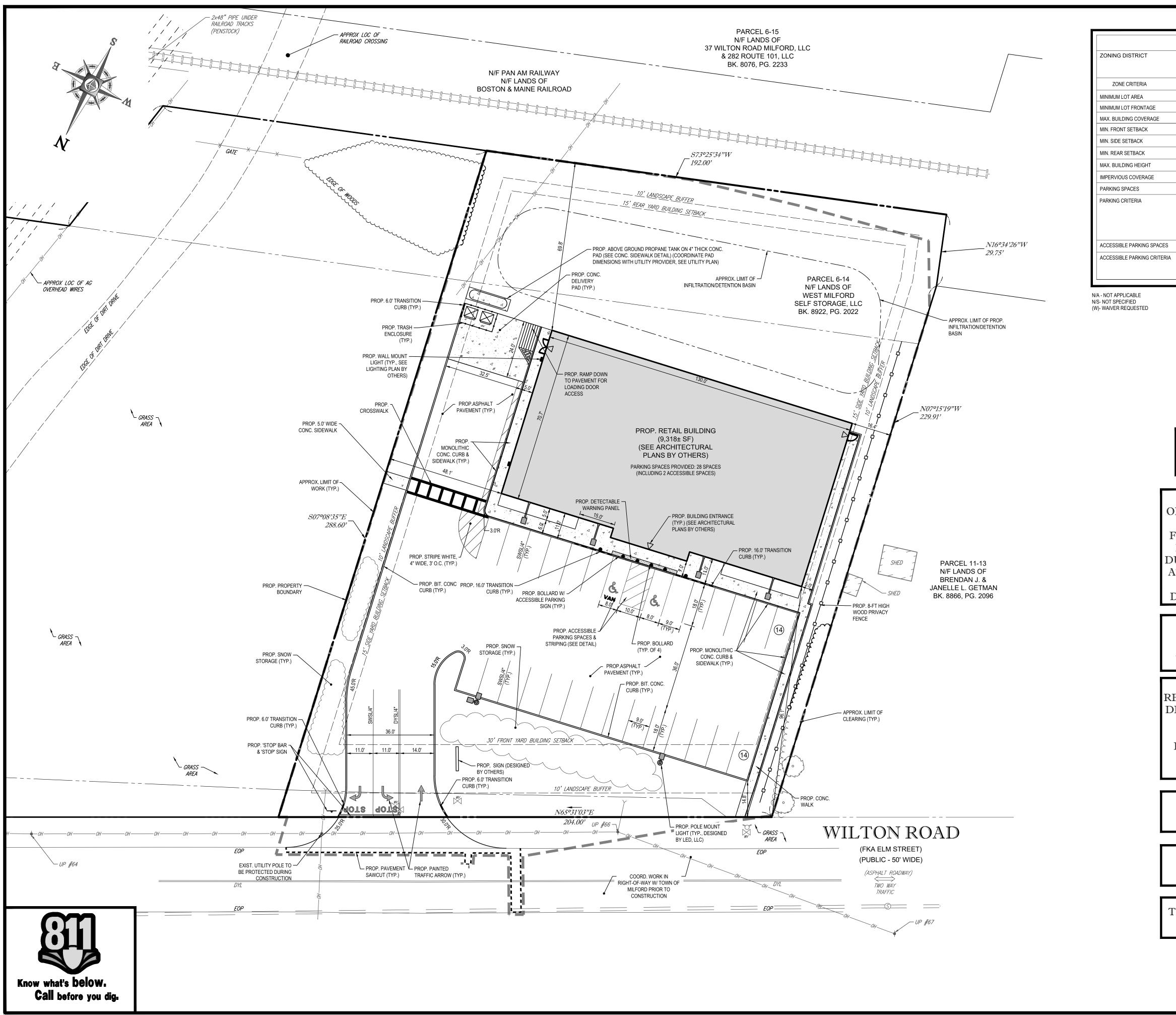


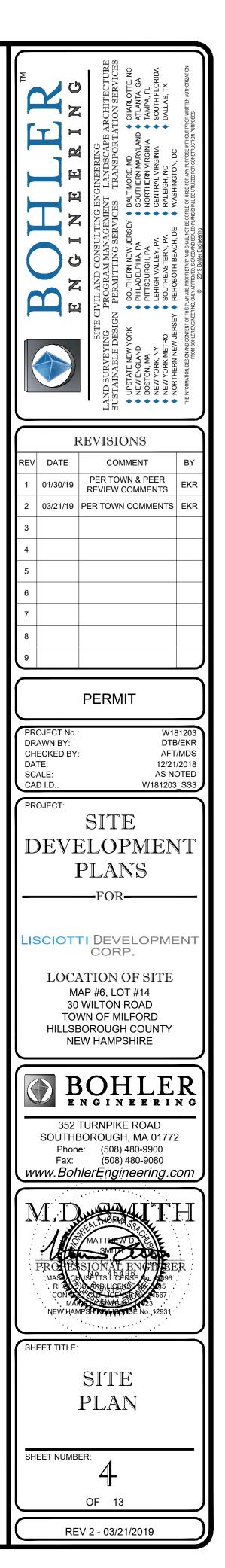
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	PROJECT No.: W181203 DRAWN BY: DTB/EKR CHECKED BY: AFT/MDS DATE: 12/21/2018 SCALE: AS NOTED CAD I.D.: W181203_SS3 PROJECT: SITE DEVELOPMENT PLANS
	FOR LISCIOTTI DEVELOPMENT CORP. LOCATION OF SITE MAP #6, LOT #14 30 WILTON ROAD TOWN OF MILFORD HILLSBOROUGH COUNTY NEW HAMPSHIRE
	BOHLER ENGINEERING 352 TURNPIKE ROAD SOUTHBOROUGH, MA 01772 Phone: (508) 480-9900 Fax: (508) 480-9080 WWW.BohlerEngineering.com
FER TO GENERAL NOTES SHEET FOR DEMOLITION NOTES	M. D. HORANGE TH MATTHEW D. G. SMITHEW D. SMITHEW D. G. SMITHEW D. SMITHEW D
HIS PLAN TO BE UTILIZED FOR DEMOLITION/ REMOVAL PURPOSES ONLY	SHEET TITLE: DEMOLITION PLAN
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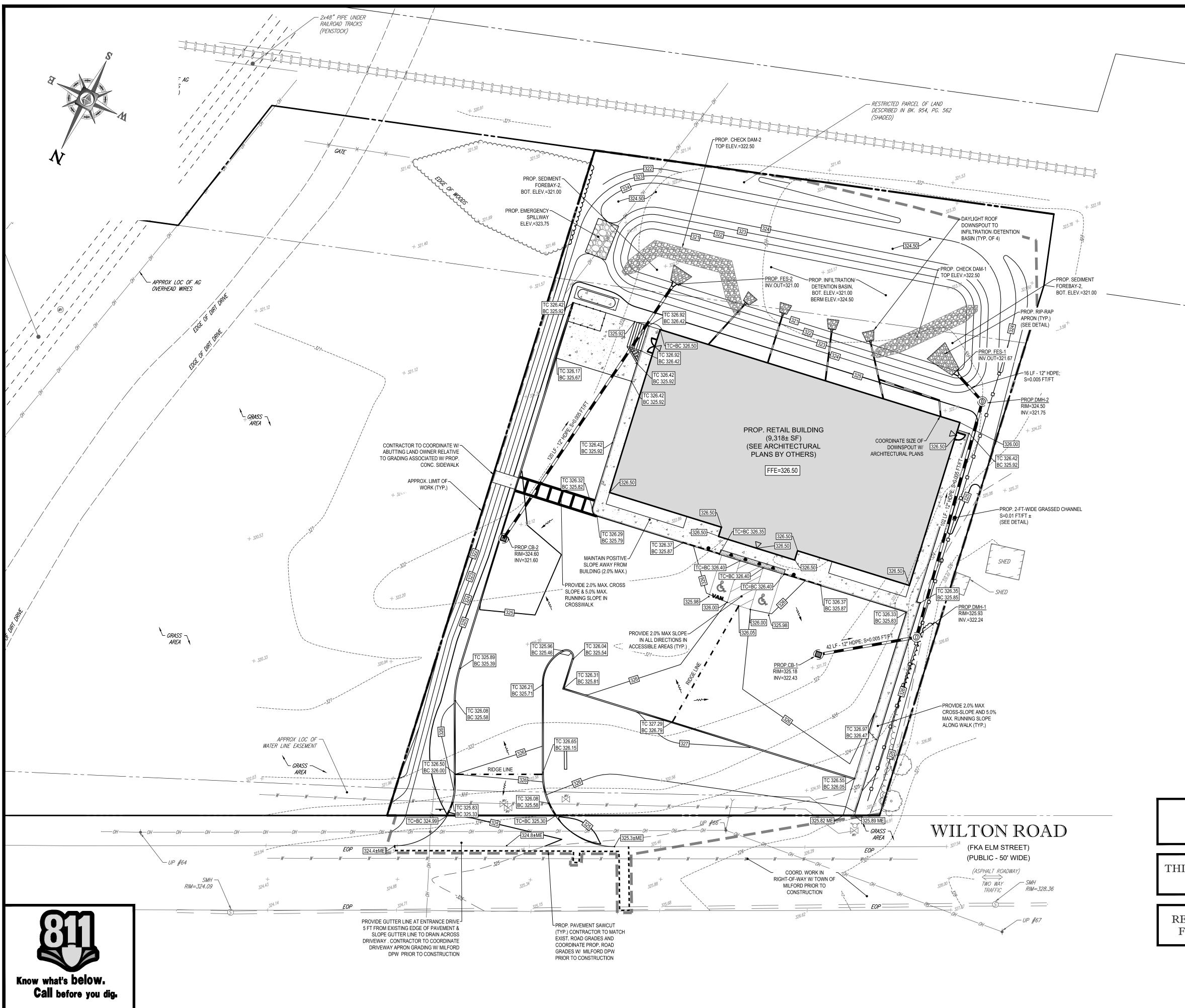


1	NTEGRATED COMMERCIAL-INE WEST ELM STREET GATEWAY RETAIL BUSINESS USE PERMIT	OVERLAY DISTRICT	
	REQUIRED	EXISTING	PROPOSED
	20,000 SF	53,289± SF	53,289± SF
	150 FT	204± FT	204± FT
	N/S	0%	17.5±%
	30 FT	N/A	96.1± FT
	15 FT	N/A	16.4± FT
	15 FT	N/A	69.8± FT
	40 FT	N/A	30.3± FT
	70%	0%	54.3%±
	37	N/A	28 (W)
/ / [0	1,000 SF) X (9,318 SF) = 37 SPA APPROX. ALTERNATIVE CALCU		
	2	N/A	2
	OTAL PARKING 26 TO 50 = 2 AC AN ACCESSIBLE SPACES= 1 / (

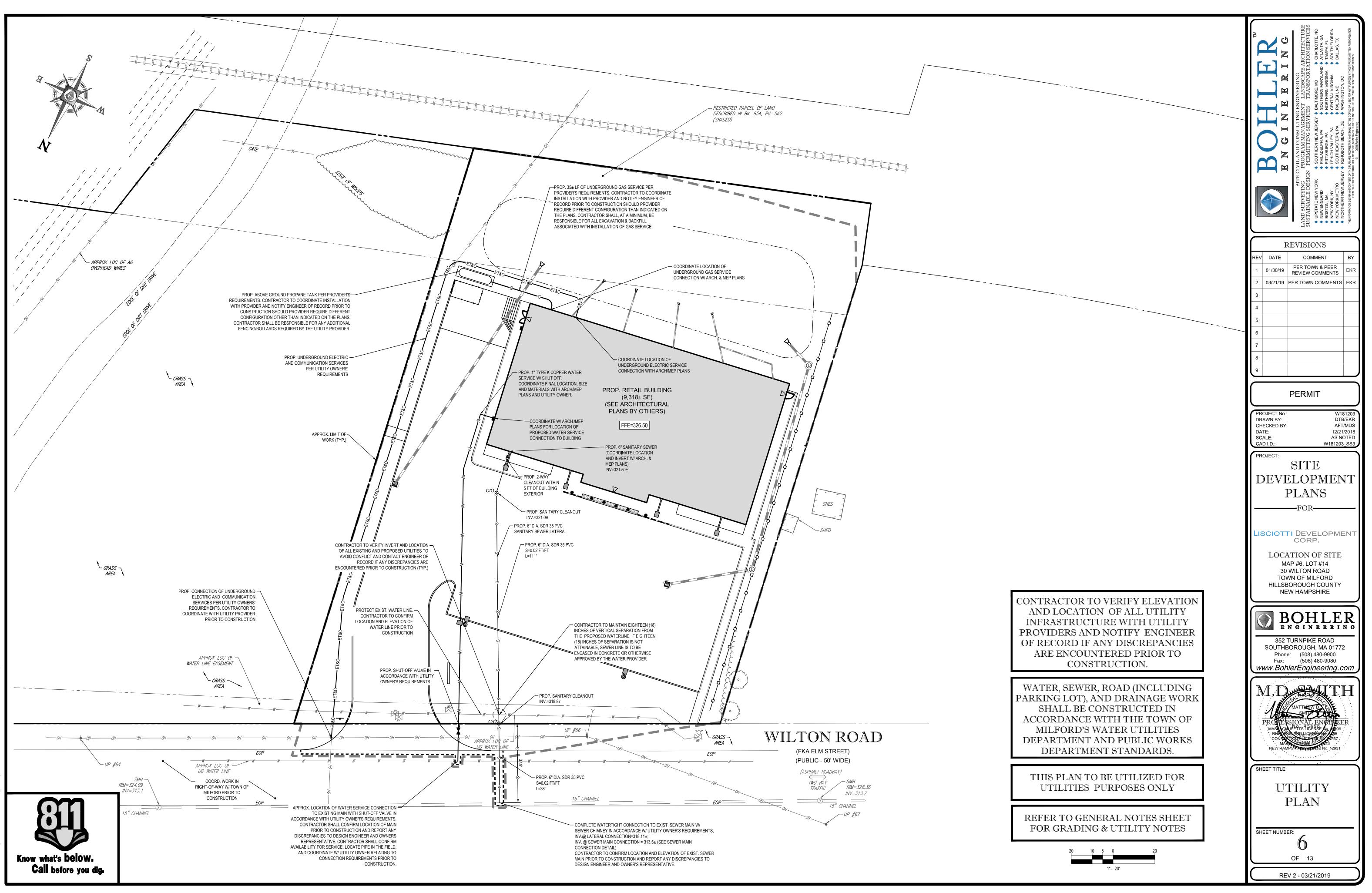
PAINT STRIPING LEGEND SYSL/4" - SINGLE YELLOW SOLID LINE / 4 IN. WIDE SWSL/4" - SINGLE WHITE SOLID LINE / 4 IN. WIDE SYSL/6" - SINGLE YELLOW SOLID LINE / 6 IN. WIDE DYSL/4" - DOUBLE YELLOW SOLID LINE / 6 IN. WIDE
SNOW SHALL BE REMOVED TO AN PF-SITE LOCATION IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL CODE SHOULD ADEQUATE ROOM NOT BE AVAILABLE ON SITE URING SIGNIFICANT STORM EVENTS. T NO TIME SHALL SNOW BE PLACED WITHIN THE STORMWATER DETENTION/ INFILTRATION BASINS.
SUBJECT SITE AND SHALL NOT UTILIZE WILTON ROAD FOR SAME. THE GENERAL CONTRACTOR IS ESPONSIBLE FOR VERIFYING POSTAL ELIVERY METHOD WITH THE LOCAL JURISDICTION. IF A PHYSICAL
MAILBOX IS REQUIRED, GC IS RESPONSIBLE FOR THE PURCHASE, LOCATION PLACEMENT, AND INSTALLATION.
MAINTENANCE OF A CLEAR SIGHT LINE IS THE RESPONSIBILITY OF THE PROPERTY OWNER REFER TO GENERAL NOTES
SHEET FOR NOTES THIS PLAN TO BE UTILIZED FOR SITE LAYOUT PURPOSES ONLY

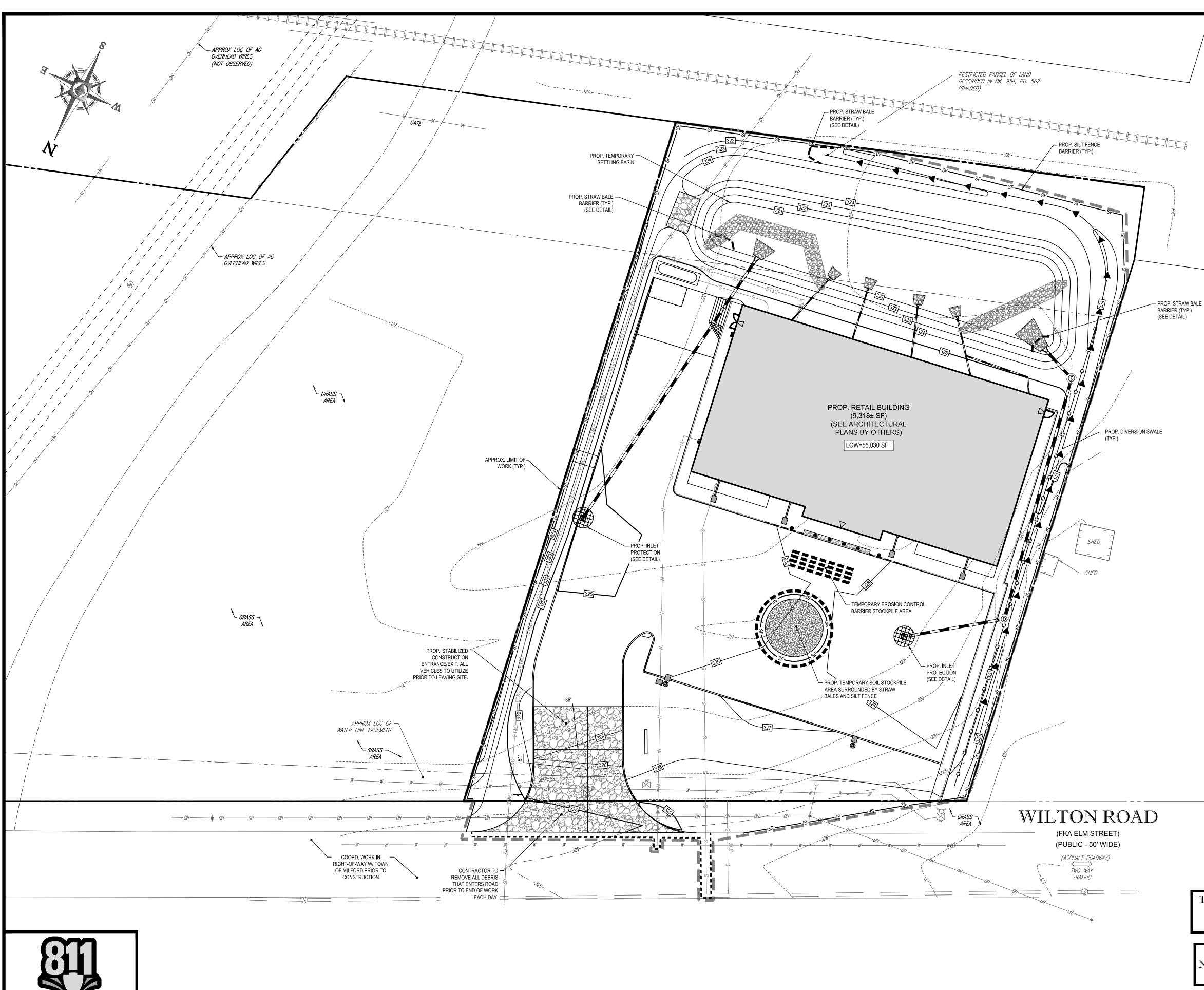
1"= 20'





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	8 9 9 PERMIT PROJECT No.: W181203 DRAWN BY: DTB/EKR CHECKED BY: AFT/MDS DATE: 12/21/2018 SCALE: AS NOTED CAD I.D.: W181203_SS3 PROJECT: SITE DEVELOPMENT
	PLANS –FOR– LISCIOTTI DEVELOPMENT CORP. LOCATION OF SITE MAP #6, LOT #14 30 WILTON ROAD TOWN OF MILFORD HILLSBOROUGH COUNTY NEW HAMPSHIRE
	BOHLER ENGINEERING 352 TURNPIKE ROAD SOUTHBOROUGH, MA 01772 Phone: (508) 480-9900 Fax: (508) 480-9900 Fax: (508) 480-9900 WWW.BohlerEngineering.com
DETENTION BASIN AREA: SURFACE AREA= 6,884± SF IS PLAN TO BE UTILIZED FOR SITE GRADING PURPOSES ONLY EFER TO GENERAL NOTES SHEET FOR GRADING & UTILITY NOTES	PRO ESSIONAL ENGINEER MASA CONSENTS LICENSE 40, 4996 RH-1095 AND LICENSE 40, 4996 RH-1095 AND LICENSE 40567 MARK SCIENT SET 10, 12931 NEW HAMPSHING WAT SET 10, 12931 SHEET TITLE: GRADING & DRAINAGE PLAN
	SHEET NUMBER: 5 OF 13 REV 2 - 03/21/2019







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	M. D. MATTHEWD MATTHEWD SMTP PROESSIONAL ENGINEER MASS CAUSETTS LICENSE 40, 4996 RHOUSE AND LICENSE 40, 4997 RHOUSE AND LICENSE 40, 4977 RHOUSE AND LICENSE 40, 4977 RHOUSE AND LICENSE 40, 4977 RHOUSE AND LICENSE 40, 4977 RHOUS
THIS PLAN TO BE UTILIZED FOR SITE SOIL AND EROSION CONTROL PURPOSES ONLY	SHEET TITLE: SOIL EROSION
REFER TO SOIL EROSION CONTROL	& SEDIMENT CONTROL PLAN
NOTES & DETAIL SHEET FOR EROSION NOTES AND DETAILS	
	OF 13
1"= 20'	REV 2 - 03/21/2019

EROSION & SEDIMENT CONTROL NOTES

- 1. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE DONE AS SET FORTH IN THE MOST CURRENT STATE SEDIMENT AND EROSION CONTROL MANUAL.
- 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 STREAM OR POND, THE AREA SHALL BE STABILIZED WITHIN 7 DAYS OR PRIOR TO ANY STORM EVENT (THIS WOULD INCLUDE WETLANDS)
- SEDIMENT BARRIERS (SILT FENCE, STRAW BARRIERS, ETC.) SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE AREA ABOVE THEM. 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%.
- INSTALL SILTATION BARRIER AT TOE OF SLOPE TO FILTER SILT FROM RUNOFF. SEE SILTATION BARRIER DETAILS FOR PROPER INSTALLATION. SILTATION BARRIER WILL REMAIN IN PLACE PER NOTE #5.
- 5. ALL EROSION CONTROL STRUCTURES WILL BE INSPECTED, REPLACED AND/OR REPAIRED EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OR SNOW MELT OR WHEN NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION OR DECOMPOSITION. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN 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
- 6. NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL BE STEEPER THAN TWO TO ONE (2:1).
- 7. IF FINAL SEEDING OF THE DISTURBED AREAS IS NOT COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST, USE TEMPORARY MULCH (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.
- 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. DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT WILL BE RETURNED TO THE SITE AND REGRADED ONTO OPEN ARFAS
- 10. 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
- 10.1. SIX INCHES OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORM SURFACE.
- APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR 10.2. VARIABLE SITES. OR WHERE TIMING IS CRITICAL. FERTILIZER MAY BE APPLIED AT THE RATE OF 800 LB PER ACRE OR 18.4 LB PER 1.000 SF USING 10-20-20 OR EQUIVALENT. APPLY GROUND LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE (138 LB PER1,000 SF).
- 10.3. FOLLOWING SEED BED PREPARATION, DITCHES AND BACK SLOPES WILL BE SEEDED TO A MIXTURE OF 47% CREEPING RED FESCUE, 5% REDTOP, AND 48% TALL FESCUE. THE LAWN AREAS WILL BE SEEDED TO A PREMIUM TURF MIXTURE OF 44% KENTUCKY BLUE-GRASS, 44% CREEPING RED FESCUE, AND 12% PERENNIAL RYEGRASS: SEEDING RATE IS 1.03 LBS PER 1,000 SF LAWN QUALITY SOD MAY BE SUBSTITUTED FOR SEED.
- STRAW MULCH AT THE RATE OF 70-90 LBS PER 1,000 SF. A HYDRO-APPLICATION OF WOOD OR PAPER FIBER SHALL BE 10.4. APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS WILL BE USED ON STRAW MULCH FOR WIND CONTROL.
- 11. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE IS STABILIZED.
- 12. WETLANDS WILL BE PROTECTED W/STRAWBALES AND/OR SILT FENCE INSTALLED AT THE EDGE OF THE WETLAND OR THE BOUNDARY OF WETLAND DISTURBANCE.
- 13. ALL AREAS WITHIN 100 FEET OF A FLAGGED WETLAND OR STREAM SHALL HAVE AN EXPOSURE WINDOW OF NOT MORE THAN 7 DAYS
- 14. ALL AREAS WITHIN 100 FEET OF A FLAGGED WETLAND OR STREAM SHALL FOLLOW APPROPRIATE EROSION CONTROL MEASURES PRIOR TO EACH STORM IF NOT BEING ACTIVELY WORKED,

MULCH		
LOCATION PROTECT AREA	MULCH STRAW	RATE (1000 SF) 100 POUNDS
WINDY AREA	SHREDDED OR CHOPPED CORNSTALKS STRAW (ANCHORED)*	185-275 POUNDS 100 POUNDS
MODERATE TO HIGH VELOCITY AREAS OR STEEP SLOPES GREATER THAN 3:1	JUTE MESH OR EXCELSIOR MAT	AS REQUIRED

(REFER TO GEOTECHNICAL REPORT FOR FINAL DESIGN REQUIREMENT) **GREATER THAN 3:1**

* 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 STRAW MULCH FOR WIND CONTROL

MULCH ANCHORING

ANCHOR MULCH WITH PEG AND TWINE (1 SQ. YD/BLOCK); MULCH NETTING (AS PER MANUFACTURER); WOOD CELLULOSE FIBER (750 LBS/ACRE); CHEMICAL TACK (AS PER MANUFACTURER'S SPECIFICATIONS); USE OF A SERRATED STRAIGHT DISK. WETTING FOR SMALL AREAS AND ROAD DITCHES MAY BE PERMITTED.

CONSTRUCTION SEQUENCE

THE FOLLOWING CONSTRUCTION SEQUENCE IS RECOMMENDED:

-INSTALLATION OF STABILIZED CONSTRUCTION ENTRANCE/EXIT (AS SHOWN) -INSTALLATION OF EROSION CONTROL BARRIER (SILT FENCE) (AS SHOWN) -DEMOLITION OF EXISTING SITE PAVEMENT AND AMENITIES (SEE DEMOLITION PLAN) -CLEARING AND GRUBBING

-INSTALLATION OF TEMPORARY SWALES AND SEDIMENT BASINS

- -EARTHWORK AND EXCAVATION/FILLING AS NECESSARY
- -CONSTRUCTION OF UTILITIES
- -STABILIZE PERMANENT LAWN AREAS AND SLOPES WITH TEMPORARY SEEDING

-INSTALLATION OF INLET PROTECTION OF ON-SITE UTILITIES (AS SHOWN) -CONSTRUCTION OF BUILDINGS

-CONSTRUCTION OF ALL CURBING AND LANDSCAPE ISLANDS AS INDICATED ON THE PLANS

-SPREAD TOPSOIL ON SLOPED AREAS AND SEED AND MULCH

-FINAL GRADING OF ALL SLOPED AREAS

-PLACE 6" TOPSOIL ON SLOPES AFTER FINAL GRADING COMPLETED. FERTILIZE, SEED, AND MULCH SEED MIXTURE TO BE INSTALLED AS REQUIRED.

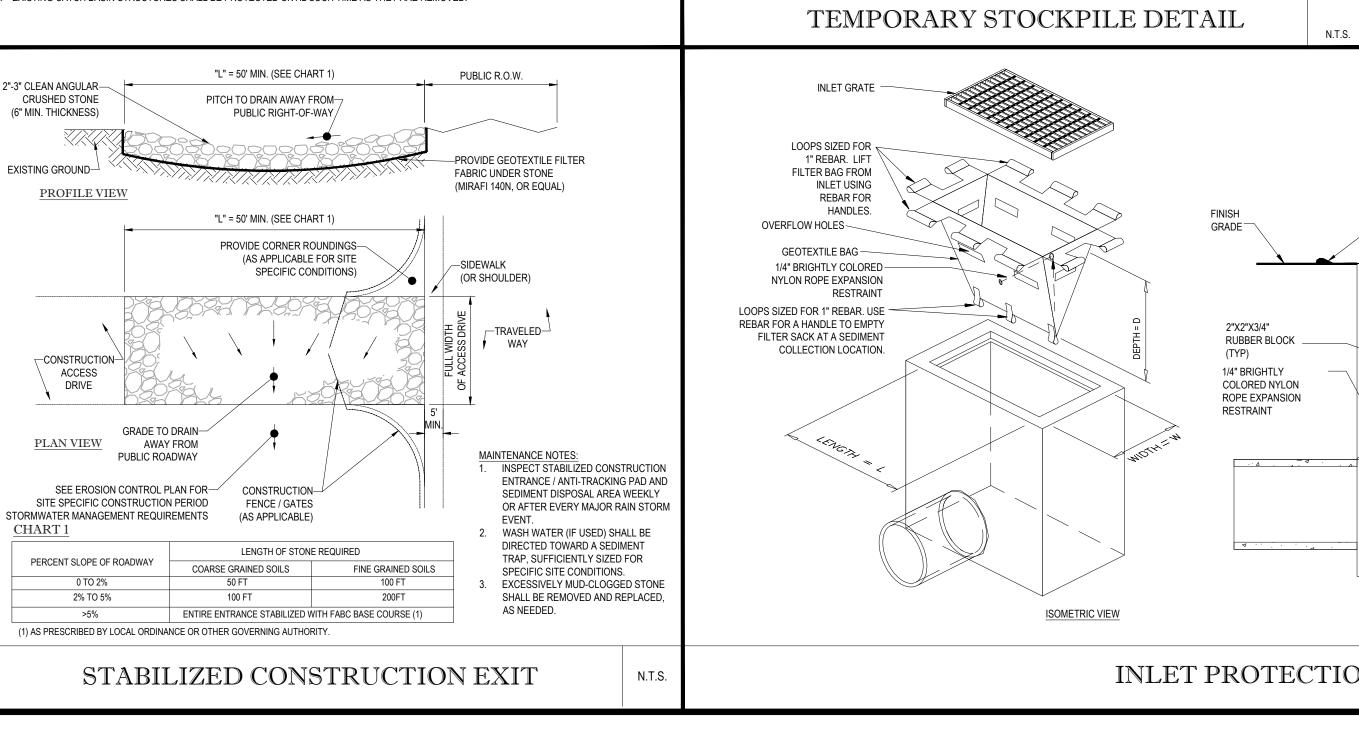
-REMOVAL OF THE TEMPORARY SEDIMENT BASINS -PAVE PARKING LOT

-LANDSCAPING PER LANDSCAPING PLAN

-REMOVE EROSION CONTROLS AS DISTURBED AREAS BECOME STABILIZED TO 70% STABILIZATION OR GREATER.

EROSION CONTROL NOTES DURING WINTER CONSTRUCTION

- 1. WINTER CONSTRUCTION PERIOD: NOVEMBER 1 THROUGH APRIL 15.
- 2. WINTER EXCAVATION AND EARTHWORK SHALL BE DONE SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE
- 3. EXPOSED AREA SHOULD BE LIMITED TO THAT WHICH CAN BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT.
- WORKED HAS BEEN STABILIZED SUCH THAT NO LARGER AREA OF THE SITE IS WITHOUT EROSION CONTROL PROTECTION AS LISTED IN ITEM 2
- 5. AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR straw AT A RATE OF 100 LB. PER 1,000 SQUARE FEET (WITH OR WITHOUT SEEDING) OR DORMANT SEEDED, MULCHED AND ADEQUATELY ANCHORED BY AN APPROVED ANCHORING TECHNIQUE
- 6. BETWEEN THE DATES OF OCTOBER 15 AND APRIL 1ST, LOAM OR SEED WILL NOT BE REQUIRED. DURING PERIODS OF ABOVE FREEZING TEMPERATURES THE SLOPES SHALL BE FINE GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDED AND MULCHED UNTII SUCH TIME AS THE FINAL TREATMENT CAN BE APPLIED. IF THE DATE IS AFTER NOVEMBER 1ST AND IF THE EXPOSED AREA HAS BEEN LOAMED UNEXPOSED OVER THE WINTER OR ANY OTHER EXTENDED TIME OF WORK SUSPENSION UNLESS TREATED IN THE ABOVE MANNER. UNTIL SUCH BY THE INSTALLATION OF BALES OF straw OR STONE CHECK DAMS IN ACCORDANCE WITH THE STANDARD DETAILS.
- 7. MULCHING REQUIREMENTS:
- 7.1. BETWEEN THE DATES OF NOVEMBER 1ST AND APRIL 15TH ALL MULCH SHALL BE ANCHORED BY EITHER PEG LINE, MULCH NETTING OR WOOD CELLULOSE FIBER
- 7.2. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% FOR SLOPE EXPOSED TO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 8%.
- APPLIES FOR ALL SLOPES GREATER THAN 8%. 8. AFTER NOVEMBER 1ST THE CONTRACTOR SHALL APPLY DORMANT SEEDING OR MULCH AND ANCHORING ON ALL BARE EARTH AT THE END OF
- EACH WORKING DAY
- PROBLEMS THAT MAY OCCUR WITH ADJACENT PROPERTIES AND TO PROVIDE MAXIMUM PROTECTION AGAINST EROSION RUNOFF
- 11. EXISTING CATCH BASIN STRUCTURES SHALL BE PROTECTED UNTIL SUCH TIME AS THEY ARE REMOVED.



10. STOCKPILING OF MATERIALS (DIRT, WOOD, CONSTRUCTION MATERIALS, ETC.) MUST REMAIN COVERED AT ALL TIMES TO MINIMIZE ANY DUST

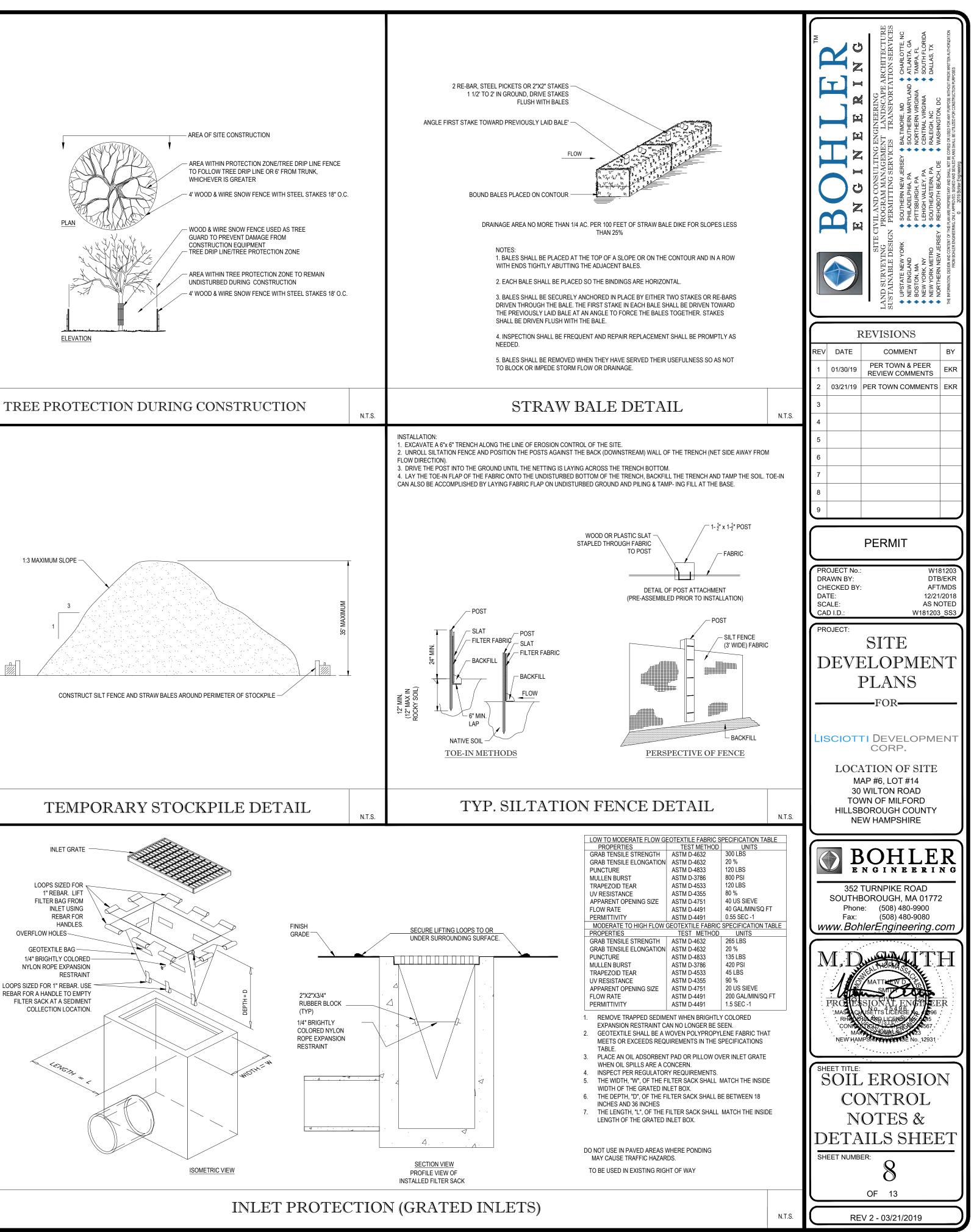
9. DURING THE WINTER CONSTRUCTION PERIOD ALL SNOW SHALL BE REMOVED FROM AREAS OF SEEDING AND MULCHING PRIOR TO PLACEMENT.

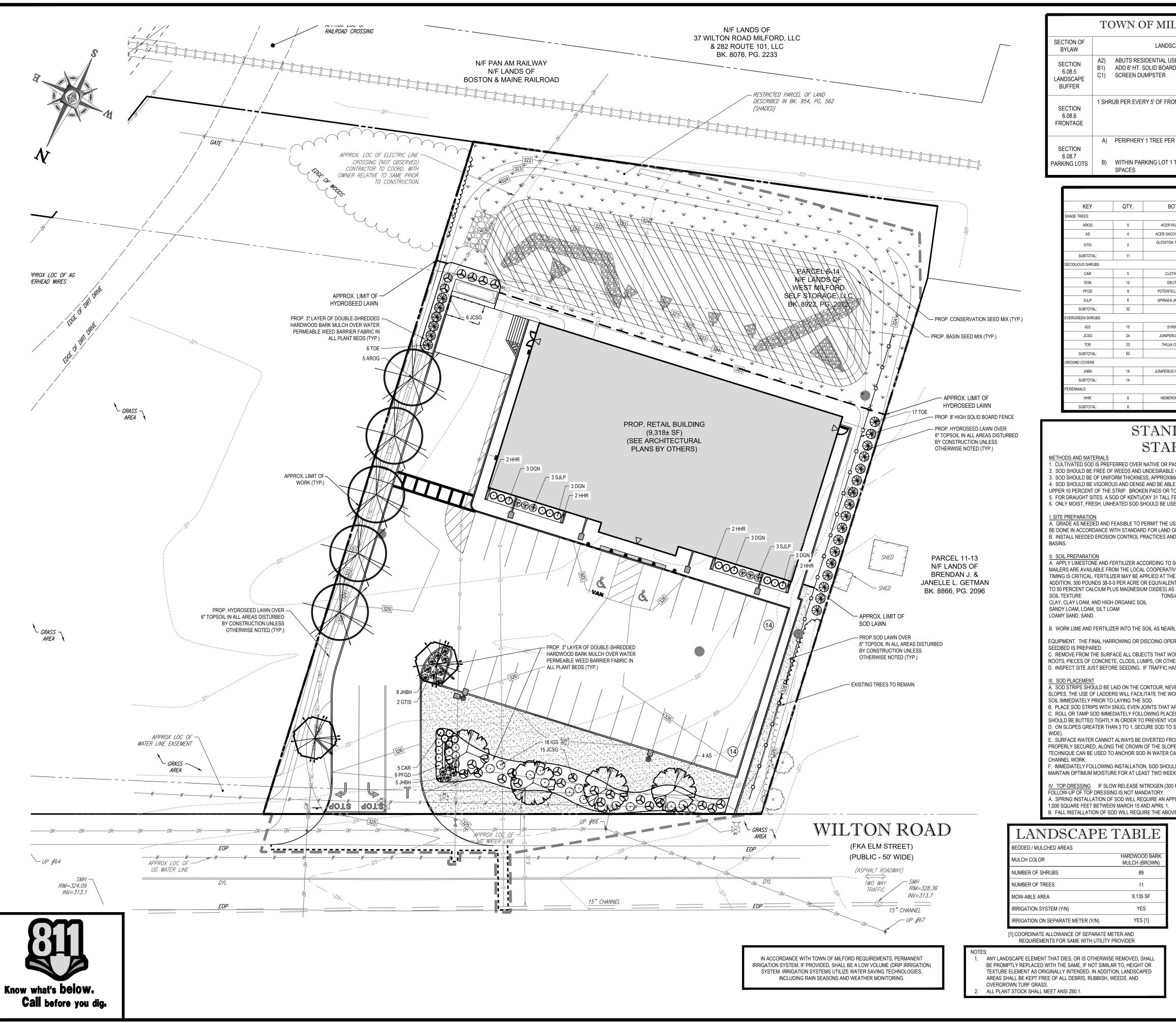
MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 15% AFTER OCTOBER 1ST THE SAME

FINAL GRADED AND IS SMOOTH, THEN THE AREA MAY BE DORMANT SEEDED AT A RATE OF 200 - 300% HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED. IF CONSTRUCTION CONTINUES DURING FREEZING WEATHER, ALL EXPOSED AREAS SHALL BE CONTINUOUSLY GRADED REFORE FREEZING AND THE SURFACE TEMPORARILY PROTECTED FROM FROSION BY THE APPLICATION OF MULCH. SLOPES SHALL NOT BE LEFT. TIME AS WEATHER CONDITIONS ALLOW DITCHES TO BE FINISHED WITH THE PERMANENT SURFACE TREATMENT, EROSION SHALL BE CONTROLLED

4. CONTINUATION OF EARTHWORK OPERATION ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING







IILFORD LANI	USCAPE RE	LQUIR			₩	V O	INEERING LANDSCAPE ARCHITECTURE TRANSPORTATION SERVICES MORE, MD & CHARLOTTE, NC HERN MARYLAND & ATLANTA, GA HERN VIRGINIA & TAMPA, FL RAL VIRGINIA & SOUTH FLORIDA IGH, NC & DALLAS, TX	 WASHINGTON, DC ED OR USE FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION SHALL BE UTILIZED FOR CONSTRUCTION PURPOSES
		REQUIRED	PROF	POSED		-Z	RCHITECT ION SERVI CHARLOTTE, ATLANTA, GA TAMPA, FL SOUTH FLOR DALLAS, TX	IOR WRITTEN POSES
L USE DARD FENCE		YES YES	YE	-			G GFEA] DRTAT DRTAT	WITHOUT PF UCTION PURI
1		YES	YE			ו מ	ENGINEERING SYT LANDSCAPE SS TRANSPORT/ BALTIMORE, MD SOUTHERN MARYLAND NORTHERN VIRGINIA CENTRAL VIRGINIA CENTRAL VIRGINIA RALEIGH, NC	ON, DC IY PURPOSE OR CONSTR
FRONTAGE		215 / 5=	58 SH		┥║┝		ENGINEERI ENGINEERI SS TRANSF BALTIMORE, MD SOUTHERN MAF NORTHERN VIRGI CENTRAL VIRGII RALEIGH, NC	WASHINGTON, DC 3 OR USED FOR ANY PURPOSE ALL BE UTILIZED FOR CONSTR
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		4.23 TREES	5 TRE	ES		්	CONSU M MAN M MAN TING S PHA, PA SGH, PA ALLEY, P, STERN, F	TH BEAC
DT 1 TREE PER EVERY 15		28 / 15= 1.86 TREES	2 TRE	ES		Z	VIL AND CONSULTI PROGRAM MANAGE PERMITTING SERV SOUTHERN NEW JERSE PHILADELPHIA, PA PTTSBURGH, PA LEHIGH VALLEY, PA SOUTHEASTERN, PA	REHOBOTH BEACH, D AN ARE PROPRIETARY AND SHALL NO ONLY APPROVED, SIGNED AND SEAL
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R SACCHARUM 'AUTUMN SPLENDOR'	AUTUMN SPLENDOR SUGAF		3-3 1/2" CAL. & 12' HT.	B+B			AD SURVE TAINABL UPSTATE NE NEW ENGLAI, MA BOSTON, MA NEW YORK, N	
DITSIA TRIACANTHOS VAR. INERMIS 'SHADEMASTER'	SHADEMASTER HONEYLC	OCUST	3-3 1/2" CAL. & 12' HT.	B+B			LAND SUST/ SUST/ Pure Neine Boo	✓
			24-30"		1 ≻	T	REVISIONS	
CLETHRA ALNIFOLIA 'ROSEA' DEUTZIA GRACILIS 'NIKKO'	PINK SUMMERSWEET CLE COMPACT DEUTZIA		24-30" 18-24"	CONTAINER		DATE	COMMENT	BY
TENTILLA FRUTICOSA 'GOLD DROP'	GOLD DROP CINQUEF		24-30" 15-18"	CONTAINER		01/30/19	PER TOWN & PEER	EKR
							REVIEW COMMENTS	
SYRINGA MEYERI 'PALIBIN'	DWARF KOREAN LILA	с	24-30"	CONTAINER	3	00/21/19		
NIPERUS CHINENSIS 'SEA GREEN' HUJA OCCIDENTALIS 'EMERALD'	SEA GREEN JUNIPEF EMERALD GREEN ARBOR		24-30" SPRD. 5-6'	B+B B+B	4			
					5			
PERUS HORIZONTALIS 'BAR HARBOR'	BAR HARBOR CREEPING JU	JNIPER	15-18" SPRD.	CONTAINER	6			
			1		7			
EMEROCALLIS 'HAPPY RETURNS'	HAPPY RETURNS DAYL	ILY	2 GAL.	CONTAINER	8			
		- 1 7 7 7 7	N YEIS					
NDARD FO								
ABILIZATI	ON WITI	H SO	D				PERMIT	
R PASTURE SOD. SPECIFY "CERTI ABLE COARSE WEEDY GRASSES.	IFIED SOD," OR OTHER HIG	H QUALITY CU	LTIVATED SOD.		PR	OJECT No.:	W	181203
OXIMATELY 5/8 INCH, PLUS OR MIN ABLE TO RETAIN ITS OWN SHAPE /	AND WEIGHT WHEN SUSPE			SP FROM THE		AWN BY: IECKED BY:		B/EKR T/MDS
OR TORN AND UNEVEN ENDS WILL ALL FESCUE AND BLUEGRASS IS PF E USED. SOD SHOULD BE HARVES	REFERRED OVER A STRAIG				SC	TE: ALE:	ASIN	1/2018 NOTED
L USED. SOD SHOULD BE HARVES	TED, DELIVERED, AND INST		TAPERIOD OF 30 HOUP			D I.D.: OJECT:	XREF_LAND_W	181203
HE USE OF CONVENTIONAL EQUIPM ND GRADING.						OJECT.	SITE	
S AND FACILITIES, SUCH AS INTER	CEPTOR DITCHES, DIKES A	ND TERRACES	S, EROSION STOPS, ANI	D DE-SILTING)EVF	ELOPME	T
TO SOIL TESTS SUCH AS THOSE C	OFFERED BY RUTGERS UN	IVERSITY SOIL	TESTING LABORATOR	7. SOIL SAMPLE			PLANS	
RATIVE EXTENSION SERVICE OFFIC T THE RATE OF 500 POUNDS PER A	ACRE OR 11 POUNDS PER 1	,000 SQUARE	FEET OF 10-20-10 OR E	QUIVALENT. IN			—FOR——	
ALENT OF SLOW RELEASE NITROG S) AS FOLLOWS: ONS/ACRE LBS/1000 SQ. FT	EN MAY BE USED IN LIEU (OF TOP-DRESS	ING. APPLY LIMESTONE	E (EQUIVALENT				
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2 90 EARLY AS PRACTICAL TO A DEPTH							CORP.	
OPERATION SHOULD BE ON THE G							TION OF SITE	4
T WOULD PREVENT GOOD SOD TO						30	AP #6, LOT #14 WILTON ROAD	
OTHER UNSUITABLE MATERIAL. C HAS LEFT THE SOIL COMPACTED	D, THE AREA MUST BE RE-	TILLED AND FIF	RMED AS ABOVE.				VN OF MILFORD SOROUGH COUNTY	
NEVER UP AND DOWN THE SLOPE	E, STARTING AT THE BOTT	OM OF THE SLO	OPE AND WORKING UP.	ON STEEP		NE	W HAMPSHIRE	
E WORK AND PREVENT DAMAGE T		ods of high "	TEMPERATURE, LIGHTL	Y IRRIGATE THE				
AT ARE STAGGERED. OPEN SPAC LACEMENT TO INSURE SOLID CON T VOIDS WHICH WOULD CAUSE DR	TACT OF ROOT MAT AND S	SOIL SURFACE	DO NOT OVERLAP SOL	D. ALL JOINTS			OHLE	
TO SURFACE SOIL WITH WOOD PE		PLIT SHINGLES	S (8 TO 10 INCHES LONG	G BY 3/4 INCH				
) FROM FLOWING OVER THE FACE SLOPE AND EDGES WILL PROVIDE F	EXTRA PROTECTION AGAI	NST LIFTING A	ND UNDERCUTTING OF	SOD. THE SAME			BOROUGH, MA 0177	2
ER CARRYING CHANNELS AND OTH						Fax:	(508) 480-9080	00m
WEEKS, AND CONTINUE IRRIGATIO							lerEngineering.	
(300 POUNDS 38-0-0 PER ACRE OR	,					VI.		A
I APPLICATION OF FERTILIZER SUC . 1. ABOVE BETWEEN SEPTEMBER 1 AI		LENTAT 500 PC	JUNDS PER AGRE OR 1	1 POUNDS PER			MATTREW	
T					╡║─	RI	EGISTERIA	<u>;</u>
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	AS AND LAWNS ADJACENT TO TO INCLUDE ALL SPRAY HEAD			E FULLY IRRIGATED.			DE ISLAND No. 419 VYORK No. 002359	
	AND BACKFLOW PREVENTER V IIMUM OF 2'-0" FROM EDGE OF						HAMPSHIRE No. 109 NECTICUT No. 1359	
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OF 13

REV 2 - 03/21/2019

CONSERVATION

SEED MIX

LANDSCAPE SPECIFICATIONS

SPECIE

SCOPE OF WORK

E LANDSCAPE CONTRACTOR SHALL BE REQUIRED TO PERFORM ALL CLEARING, FINISHED GRADING, SOIL PREPARATION, PERMANENT SEEDING OR SODDING, PLANTING AND MULCHING INCLUDING ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT NECESSARY FOR THE COMPLETION OF THIS PROJECT. UNLESS OTHERWISE CONTRACTED BY THE GENERAL CONTRACTOR

A. GENERAL - ALL HARDSCAPE MATERIALS SHALL MEET OR EXCEED SPECIFICATIONS AS OUTLINED IN THE STATE DEPARTMENT OF RANSPORTATION'S SPECIFICATIONS.

B. TOPSOIL - NATURAL, FRIABLE, LOAMY SILT SOIL HAVING AN ORGANIC CONTENT NOT LESS THAN 5%. A PH RANGE BETWEEN 4.5-7.0. IT SHALL BE FREE OF DEBRIS, ROCKS LARGER THAN ONE INCH (1"), WOOD, ROOTS, VEGETABLE MATTER AND CLAY CLODS.

C. LAWN - ALL DISTURBED AREAS ARE TO BE TREATED WITH A MINIMUM 6" THICK LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, AND SEEDED OR SODDED IN ACCORDANCE WITH THE PERMANENT STABILIZATION METHODS INDICATED ON THE LANDSCAPE PLAN

LAWN SEED MIXTURE SHALL BE FRESH, CLEAN NEW CROP SEED. II. SOD SHALL BE STRONGLY ROOTED, WEED AND DISEASE/PEST FREE WITH A UNIFORM THICKNESS. SOD INSTALLED ON SLOPES GREATER THAN 4:1 SHALL BE PEGGED TO HOLD SOD IN PLACE.

D. MULCH - ALL PLANTING BEDS SHALL BE MULCHED WITH A 3" THICK LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH, UNLESS OTHERWISE STATED ON THE LANDSCAPE PLAN AND/OR LANDSCAPE PLAN NOTES /DETAILS.

E. FERTILIZE

I. FERTILIZER SHALL BE DELIVERED TO THE SITE MIXED AS SPECIFIED IN THE ORIGINAL UNOPENED STANDARD BAGS SHOWING WEIGHT, ANALYSIS AND NAME OF MANUFACTURER. FERTILIZER SHALL BE STORED IN A WEATHERPROOF PLACE SO THAT IT CAN BE KEPT DRY PRIOR TO USE

II. FOR THE PURPOSE OF BIDDING, ASSUME THAT FERTILIZER SHALL BE 10% NITROGEN, 6% PHOSPHORUS AND 4% POTASSIUM BY WEIGHT. A FERTILIZER SHOULD NOT BE SELECTED WITHOUT A SOIL TEST PERFORMED BY A CERTIFIED SOIL LABORATORY.

F PLANT MATERIA I. ALL PLANTS SHALL IN ALL CASES CONFORM TO THE REQUIREMENTS OF THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI 260.1), LATEST EDITION. AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION (FORMERLY THE AMERICAN ASSOCIATION OF NURSERYMEN)

II. IN ALL CASES. BOTANICAL NAMES SHALL TAKE PRECEDENCE OVER COMMON NAMES FOR ANY AND ALL PLANT MATERIAL. III PLANTS SHALL BE LEGIBLY TAGGED WITH THE PROPER NAME AND SIZE TAGS ARE TO REMAIN ON AT LEAST ONE PLANT OF EACH SPECIES FOR VERIFICATION PURPOSES DURING THE FINAL INSPECTION.

IV. TREES WITH ABRASION OF THE BARK, SUN SCALDS, DISFIGURATION OR FRESH CUTS OF LIMBS OVER 11/4", WHICH HAVE NOT BEEN COMPLETELY CALLUSED, SHALL BE REJECTED. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES.

V. ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH: WELL DEVELOPED BRANCHES, DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE OF DISEASE, INSECTS, PESTS, EGGS OR LARVAE. VI. CALIPER MEASUREMENTS OF NURSERY GROWN TREES SHALL BE TAKEN AT A POINT ON THE TRUNK SIX INCHES (6") ABOVE THE NATURAL GRADE FOR TREES UP TO AND INCLUDING A FOUR INCH (4") CALIPER SIZE. IF THE CALIPER AT SIX INCHES (6") ABOVE THE GROUND EXCEEDS FOUR INCHES (4") IN CALIPER. THE CALIPER SHOULD BE MEASURED AT A POINT 12" ABOVE THE NATURAL GRADE

VII. SHRUBS SHALL BE MEASURED TO THE AVERAGE HEIGHT OR SPREAD OF THE SHRUB. AND NOT TO THE LONGEST BRANCH. VIII. TREES AND SHRUBS SHALL BE HANDLED WITH CARE BY THE ROOT BALL.

3. GENERAL WORK PROCEDURE

A. CONTRACTOR TO UTILIZE WORKMANLIKE INDUSTRY STANDARDS IN PERFORMING ALL LANDSCAPE CONSTRUCTION. THE SITE IS TO BE LEFT IN A CLEAN STATE AT THE END OF EACH WORKDAY. ALL DEBRIS, MATERIALS AND TOOLS SHALL BE PROPERLY STORED, STOCKPILED OR DISPOSED OF

B. WASTE MATERIALS AND DEBRIS SHALL BE COMPLETELY DISPOSED OF AT THE CONTRACTOR'S EXPENSE. DEBRIS SHALL NOT BE BURIED, INCLUDING ORGANIC MATERIALS. BUT SHALL BE REMOVED COMPLETELY FROM THE SITE.

4 SITE PREPARATION A. BEFORE AND DURING PRELIMINARY GRADING AND FINISHED GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES OUTLINED HEREIN.

B. ALL EXISTING TREES TO REMAIN SHALL BE PRUNED TO REMOVE ANY DAMAGED BRANCHES. THE ENTIRE LIMB OF ANY DAMAGED BRANCH SHALL BE CUT OFF AT THE BRANCH COLLAR. CONTRACTOR SHALL ENSURE THAT CUTS ARE SMOOTH AND STRAIGHT. ANY EXPOSED ROOTS SHALL BE CUT BACK WITH CLEAN, SHARP TOOLS AND TOPSOIL SHALL BE PLACED AROUND THE REMAINDER OF THE ROOTS. EXISTING TREES SHALL BE MONITORED ON A REGULAR BASIS FOR ADDITIONAL ROOT OR BRANCH DAMAGE AS A RESULT OF CONSTRUCTION. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY. CONTRACTOR SHALL WATER EXISTING TREES AS NEEDED TO PREVENT SHOCK OR DECI INF

C. CONTRACTOR SHALL ARRANGE TO HAVE A UTILITY STAKE-OUT TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF ANY LANDSCAPE MATERIAL. UTILITY COMPANIES SHALL BE CONTACTED THREE (3) DAYS PRIOR TO THE BEGINNING OF WORK.

TREE PROTECTION A. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES TO REMAIN. A TREE PROTECTION ZONE SHALL BE ESTABLISHED AT THE DRIP LINE OR AT THE LIMIT OF CONSTRUCTION DISTURBANCE, WHICHEVER IS GREATER. LOCAL STANDARDS THAT MAY REQUIRE A MORE STRICT TREE PROTECTION ZONE SHALL BE HONORED.

B. A FORTY-EIGHT INCH (48") HIGH WOODEN SNOW FENCE OR ORANGE COLORED HIGH-DENSITY 'VISI-FENCE'. OR APPROVED EQUAL. MOUNTED ON STEEL POSTS SHALL BE PLACED ALONG THE BOUNDARY OF THE TREE PROTECTION ZONE. POSTS SHALL BE LOCATED AT A

MAXIMUM OF EIGHT FEET (8') ON CENTER OR AS INDICATED WITHIN THE TREE PROTECTION DETAIL.

C. WHEN THE TREE PROTECTION FENCING HAS BEEN INSTALLED, IT SHALL BE INSPECTED BY THE APPROVING AGENCY PRIOR TO DEMOLITION, GRADING, TREE CLEARING OR ANY OTHER CONSTRUCTION. THE FENCING ALONG THE TREE PROTECTION ZONE SHALL BE REGULARLY INSPECTED BY THE LANDSCAPE CONTRACTOR AND MAINTAINED UNTIL ALL CONSTRUCTION ACTIVITY HAS BEEN COMPLETED.

D. AT NO TIME SHALL MACHINERY, DEBRIS, FALLEN TREES OR OTHER MATERIALS BE PLACED, STOCKPILED OR LEFT STANDING IN THE TREE PROTECTION ZONE.

5. SOIL MODIFICATION

A. CONTRACTOR SHALL ATTAIN A SOIL TEST FOR ALL AREAS OF THE SITE PRIOR TO CONDUCTING ANY PLANTING. SOIL TESTS SHALL BE PERFORMED BY A CERTIFIED SOIL LABORATORY

B. LANDSCAPE CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF PLANT MATERIAL. SOIL MODIFICATIONS, AS SPECIFIED HEREIN, MAY NEED TO BE CONDUCTED BY THE LANDSCAPE CONTRACTOR DEPENDING ON SITE CONDITIONS

C. THE FOLLOWING AMENDMENTS AND QUANTITIES ARE APPROXIMATE AND ARE FOR BIDDING PURPOSES ONLY. COMPOSITION OF AMENDMENTS SHOULD BE REVISED DEPENDING ON THE OUTCOME OF A TOPSOIL ANALYSIS PERFORMED BY A CERTIFIED SOIL LABORATORY.

1 TO INCREASE A SANDY SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS. THOROUGHLY THE ORGANIC MATTER INTO THE TOP 6-12" USE COMPOSTED BARK. COMPOSTED LEAF MULCH OR PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 7.5

II. TO INCREASE DRAINAGE, MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) AND/OR AGRICULTURAL GYPSUM. COARSE SAND MAY BE USED IF ENOUGH IS ADDED TO BRING THE SAND CONTENT TO MORE THAN 60% OF THE TOTAL MIX. SUBSURFACE DRAINAGE LINES MAY NEED TO BE ADDED TO INCREASE DRAINAGE. III. MODIFY EXTREMELY SANDY SOILS (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.

'. FINISHED GRADIN

A. UNLESS OTHERWISE CONTRACTED, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE ESTABLISHMENT OF FINE-GRADING WITHIN THE DISTURBANCE AREA OF THE SITE.

B. LANDSCAPE CONTRACTOR SHALL VERIFY THAT SUBGRADE FOR INSTALLATION OF TOPSOIL HAS BEEN ESTABLISHED. THE SUBGRADE OF THE SITE MUST MEET THE FINISHED GRADE LESS THE REQUIRED TOPSOIL THICKNESS (1"±).

C. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED WITHIN THIS SET OF CONSTRUCTION PLANS, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER OR LANDSCAPE ARCHITECT

D. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER IN AND AROUND THE PLANTING BEDS. STANDING WATER SHALL NOT BE PERMITTED IN PLANTING BEDS.

A. CONTRACTOR SHALL PROVIDE A 6" THICK MINIMUM LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, IN ALL PLANTING AREAS. TOPSOIL SHOULD BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO ACHIEVE THE DESIRED COMPACTED THICKNESS

B. ON-SITE TOPSOIL MAY BE USED TO SUPPLEMENT THE TOTAL AMOUNT REQUIRED. TOPSOIL FROM THE SITE MAY BE REJECTED IF IT HAS NOT BEEN PROPERLY REMOVED, STORED AND PROTECTED PRIOR TO CONSTRUCTION.

C CONTRACTOR SHALL FURNISH TO THE APPROVING AGENCY AN ANALYSIS OF BOTH IMPORTED AND ON-SITE TOPSOIL TO BE UTILIZED IN ALL PLANTING AREAS. THE PH AND NUTRIENT LEVELS MAY NEED TO BE ADJUSTED THROUGH SOIL MODIFICATIONS AS NEEDED TO ACHIEVE THE REQUIRED LEVELS AS SPECIFIED IN THE MATERIALS SECTION ABOVE

D. ALL LAWN AREAS ARE TO BE CULTIVATED TO A DEPTH OF SIX INCHES (6"). ALL DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES SECTION ABOVE. THE FOLLOWING SHALL BE TILLED INTO THE TOP FOUR INCHES (4") IN TWO DIRECTIONS (QUANTITIES BASED ON A 1,000 SQUARE FOOT AREA - FOR BID PURPOSES ONLY [SEE SPECIFICATION 6 A 1)

I. 20 POUNDS 'GRO-POWER' OR APPROVED SOIL CONDITIONER/FERTILIZER II. 20 POUNDS NITRO-FORM (COURSE) 38-0-0 BLUE CHIP OR APPROVED NITROGEN FERTILIZER

E. THE SPREADING OF TOPSOIL SHALL NOT BE CONDUCTED UNDER MUDDY OR FROZEN CONDITIONS.

A. INSOFAR THAT IT IS FEASIBLE, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THAT THIS IS NOT POSSIBLE. LANDSCAPE CONTRACTOR SHALL PROTECT UNINSTALLED PLANT MATERIAL. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE DAY PERIOD AFTER DELIVERY. PLANTS THAT WILL NOT BE PLANTED FOR A PERIOD OF TIME GREATER THAN THREE DAYS SHALL BE HEALED IN WITH TOPSOIL OR MULCH TO HELP PRESERVE ROOT MOISTURE.

B. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS

ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOPSOIL THAT IS IN A MUDDY OR FROZEN CONDITION.

C. ANY INJURED ROOTS OR BRANCHES SHALL BE PRUNED TO MAKE CLEAN-CUT ENDS PRIOR TO PLANTING UTILIZING CLEAN, SHARP TOOLS. ONLY INJURED OR DISEASED BRANCHING SHALL BE REMOVED.

D. ALL PLANTING CONTAINERS, BASKETS AND NON-BIODEGRADABLE MATERIALS SHALL BE REMOVED FROM ROOT BALLS DURING PLANTING. NATURAL FIBER BURLAP MUST BE CUT FROM AROUND THE TRUNK OF THE TREE AND FOLDED DOWN AGAINST THE ROOT BALL PRIOR TO BACKFILLING

E. POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO EXCAVATING PITS. MAKING NECESSARY ADJUSTMENTS AS DIRECTED

F. PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY, THE PROPOSED LANDSCAPE, AS SHOWN ON THE APPROVED LANDSCAPE PLAN, MUST BE INSTALLED, INSPECTED AND APPROVED BY THE APPROVING AGENCY. THE APPROVING AGENCY SHALL TAKE INTO ACCOUNT SEASONAL CONSIDERATIONS IN THIS REGARD AS FOLLOWS. THE PLANTING OF TREES, SHRUBS, VINES OR GROUND COVER SHALL OCCUR ONLY DURING THE FOLLOWING PLANTING SEASONS

L PLANTS: MARCH 15 TO DECEMBER 15 II. LAWN: MARCH 15 TO JUNE 15 OR SEPT. 1 TO DECEMBER 1

PLANTINGS REQUIRED FOR A CERTIFICATE OF OCCUPANCY SHALL BE PROVIDED DURING THE NEXT APPROPRIATE SEASON AT THE MUNICIPALITY'S DISCRETION. CONTRACTOR SHOULD CONTACT APPROVING AGENCY FOR POTENTIAL SUBSTITUTIONS

G. FURTHERMORE, THE FOLLOWING TREE VARIETIES ARE UNUSUALLY SUSCEPTIBLE TO WINTER DAMAGE. WITH TRANSPLANT SHOCK AND THE SEASONAL LACK OF NITROGEN AVAILABILITY, THE RISK OF PLANT DEATH IS GREATLY INCREASED. IT IS NOT RECOMMENDED THAT THESE

SPECIES BE PLANTED DURING T	HE FALL PLANTING SEASON:
ACER RUBRUM	PLATANUS X ACERIFOLIA
BETULA VARIETIES	POPULUS VARIETIES
CARPINUS VARIETIES	PRUNUS VARIETIES
CRATAEGUS VARIETIES	PYRUS VARIETIES
KOELREUTERIA	QUERCUS VARIETIES
LIQUIDAMBAR STYRACIFLUA	TILIA TOMENTOSA
LIRIODENDRON TULIPIFERA	ZELKOVA VARIETIES

H. PLANTING PITS SHALL BE DUG WITH LEVEL BOTTOMS, WITH THE WIDTH TWICE THE DIAMETER OF ROOT BALL. THE ROOT BALL SHALL REST ON UNDISTURBED GRADE. EACH PLANT PIT SHALL BE BACKFILLED IN LAYERS WITH THE FOLLOWING PREPARED SOIL MIXED THOROUGHLY: I. 1 PART PEAT MOSS

II. 1 PART COMPOSTED COW MANURE BY VOLUME

III 3 PARTS TOPSOIL BY VOLUME IV. 21 GRAMS 'AGRIFORM' PLANTING TABLETS (OR APPROVED EQUAL) AS FOLLOWS:

A) 2 TABLETS PER 1 GALLON PLANT

B) 3 TABLETS PER 5 GALLON PLANT C) 4 TABLETS PER 15 GALLON PLAN

D) LARGER PLANTS: 2 TABLETS PER 1/2" CALIPER OF TRUNK

I. FILL PREPARED SOIL AROUND BALL OF PLANT HALF-WAY AND INSERT PLANT TABLETS. COMPLETE BACKFILL AND WATER THOROUGHLY

LEVEL AND IN THE CENTER OF THE PIT. NO SOIL IS TO BE PLACED DIRECTLY ON TOP OF THE ROOT BALL. K. ALL PROPOSED TREES DIRECTLY ADJACENT TO WALKWAYS OR DRIVEWAYS SHALL BE PRUNED AND MAINTAINED TO A MINIMUM

BRANCHING HEIGHT OF 7' FROM GRADE L. GROUND COVER AREAS SHALL RECEIVE A 1/4" LAYER OF HUMUS RAKED INTO THE TOP 1" OF PREPARED SOIL PRIOR TO PLANTING. ALL

GROUND COVER AREAS SHALL BE WEEDED AND TREATED WITH A PRE-EMERGENT CHEMICAL AS PER MANUFACTURER'S RECOMMENDATION.

M. NO PLANT, EXCEPT GROUND COVERS, GRASSES OR VINES, SHALL BE PLANTED LESS THAN TWO FEET (2') FROM EXISTING STRUCTURES AND SIDEWALKS

N. ALL PLANTING AREAS AND PLANTING PITS SHALL BE MULCHED AS SPECIFIED HEREIN TO FILL THE ENTIRE BED AREA OR SAUCER. NO MULCH IS TO TOUCH THE TRUNK OF THE TREE OR SHRUB.

O. ALL PLANTING AREAS SHALL BE WATERED IMMEDIATELY UPON INSTALLATION IN ACCORDANCE WITH THE WATERING SPECIFICATIONS AS LISTED HEREIN

. TRANSPLANTING (WHEN REQUIRED)

A. ALL TRANSPLANTS SHALL BE DUG WITH INTACT ROOT BALLS CAPABLE OF SUSTAINING THE PLANT. B. IF PLANTS ARE TO BE STOCKPILED BEFORE REPLANTING, THEY SHALL BE HEALED IN WITH MULCH OR SOIL, ADEQUATELY WATERED AND PROTECTED FROM EXTREME HEAT, SUN AND WIND.

C. PLANTS SHALL NOT BE DUG FOR TRANSPLANTING BETWEEN APRIL 10 AND JUNE 30.

D. UPON REPLANTING, BACKFILL SOIL SHALL BE AMENDED WITH FERTILIZER AND ROOT GROWTH HORMONE

E. TRANSPLANTS SHALL BE GUARANTEED FOR THE LENGTH OF THE GUARANTEE PERIOD SPECIFIED HEREIN.

F. IF TRANSPLANTS DIE, SHRUBS AND TREES LESS THAN SIX INCHES (6") DBH SHALL BE REPLACED IN KIND. TREES GREATER THAN SIX INCHES (6") DBH MAY BE REQUIRED TO BE REPLACED IN ACCORDANCE WITH THE MUNICIPALITY'S TREE REPLACEMENT GUIDELINES.

NEW PLANTINGS OR LAWN AREAS SHALL BE ADEQUATELY IRRIGATED BEGINNING IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED TO EACH TREE AND SHRUB IN SLICH MANNER AS NOT TO DISTURB BACKEILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED. WATERING SHALL CONTINUE AT LEAST UNTIL PLANTS ARE ESTABLISHED.

B. SITE OWNER SHALL PROVIDE WATER IF AVAILABLE ON SITE AT TIME OF PLANTING. IF WATER IS NOT AVAILABLE ON SITE, CONTRACTOR SHALL SUPPLY ALL NECESSARY WATER. THE USE OF WATERING BAGS IS RECOMMENDED FOR ALL NEWLY PLANTED TREES.

C. IF AN IRRIGATION SYSTEM HAS BEEN INSTALLED ON THE SITE, IT SHALL BE USED TO WATER PROPOSED PLANT MATERIAL, BUT ANY FAILURE OF THE SYSTEM DOES NOT ELIMINATE THE CONTRACTOR'S RESPONSIBILITY OF MAINTAINING THE DESIRED MOISTURE LEVEL FOR VIGOROUS HEAI THY GROWTH

2. GUARANTE

A. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF 1 YEAR FROM APPROVAL OF LANDSCAPE INSTALLATION BY THE APPROVING AGENCY. CONTRACTOR SHALL SUPPLY THE OWNER WITH A MAINTENANCE BOND FOR TEN PERCENT (10%) OF THE VALUE OF THE LANDSCAPE INSTALLATION WHICH WILL BE RELEASED AT THE CONCLUSION OF THE GUARANTEE PERIOD AND WHEN A FINAL INSPECTION HAS BEEN COMPLETED AND APPROVED BY THE OWNER OR AUTHORIZED REPRESENTATIVE.

B. ANY DEAD OR DYING PLANT MATERIAL SHALL BE REPLACED FOR THE LENGTH OF THE GUARANTEE PERIOD. REPLACEMENT OF PLANT MATERIAL SHALL BE CONDUCTED AT THE FIRST SUCCEEDING PLANTING SEASON. ANY DEBRIS SHALL BE DISPOSED OF OFF-SITE. WITHOUT FXCEPTION

C. TREES AND SHRUBS SHALL BE MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION AND THROUGHOUT THE 90 DAY MAINTENANCE PERIOD AS SPECIFIED HEREIN. CULTIVATION, WEEDING, WATERING AND THE PREVENTATIVE TREATMENTS SHALL BE PERFORMED AS NECESSARY TO KEEP PLANT MATERIAL IN GOOD CONDITION AND FREE OF INSECTS AND DISEASE

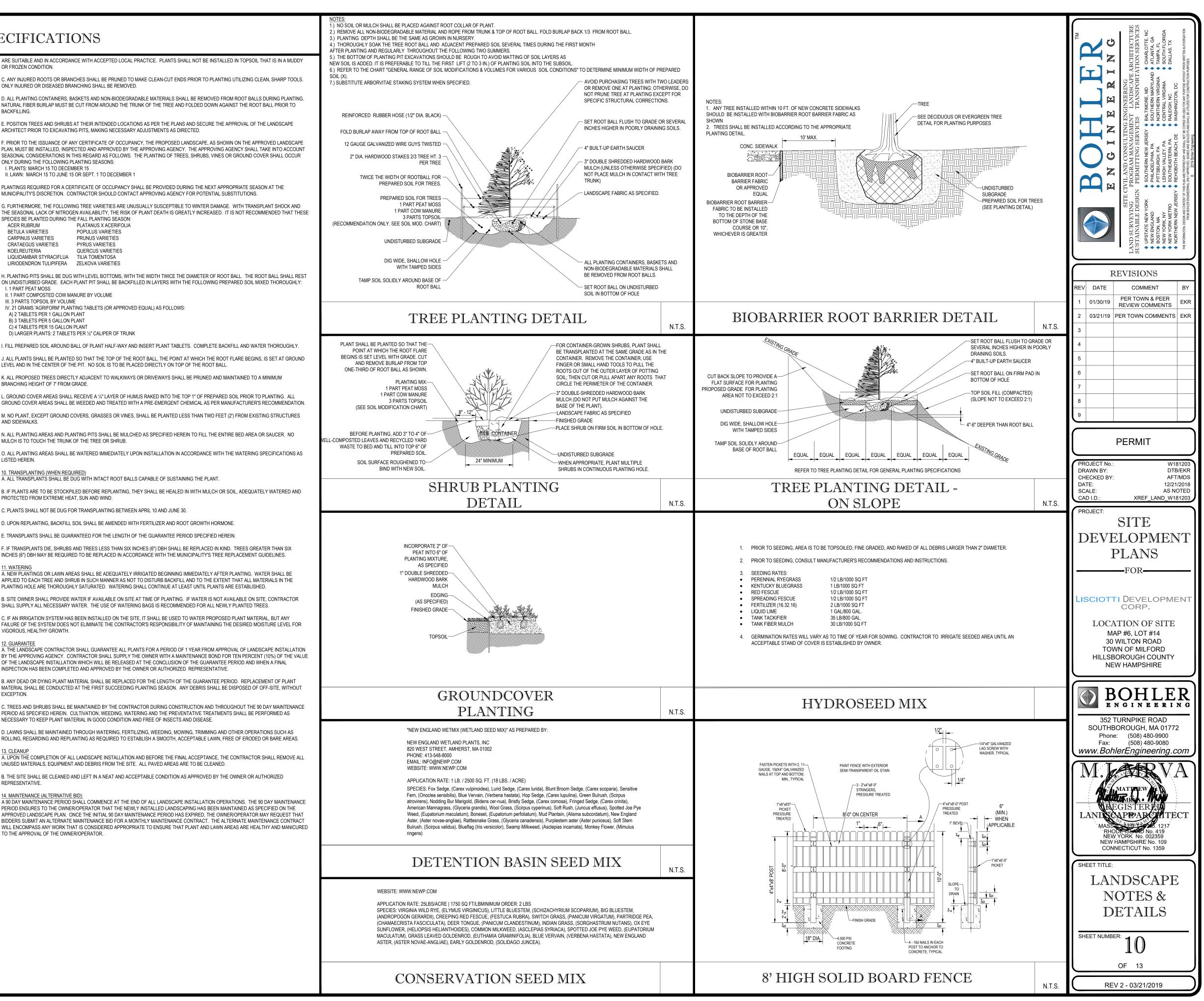
D. LAWNS SHALL BE MAINTAINED THROUGH WATERING, FERTILIZING, WEEDING, MOWING, TRIMMING AND OTHER OPERATIONS SUCH AS ROLLING, REGARDING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODED OR BARE AREAS.

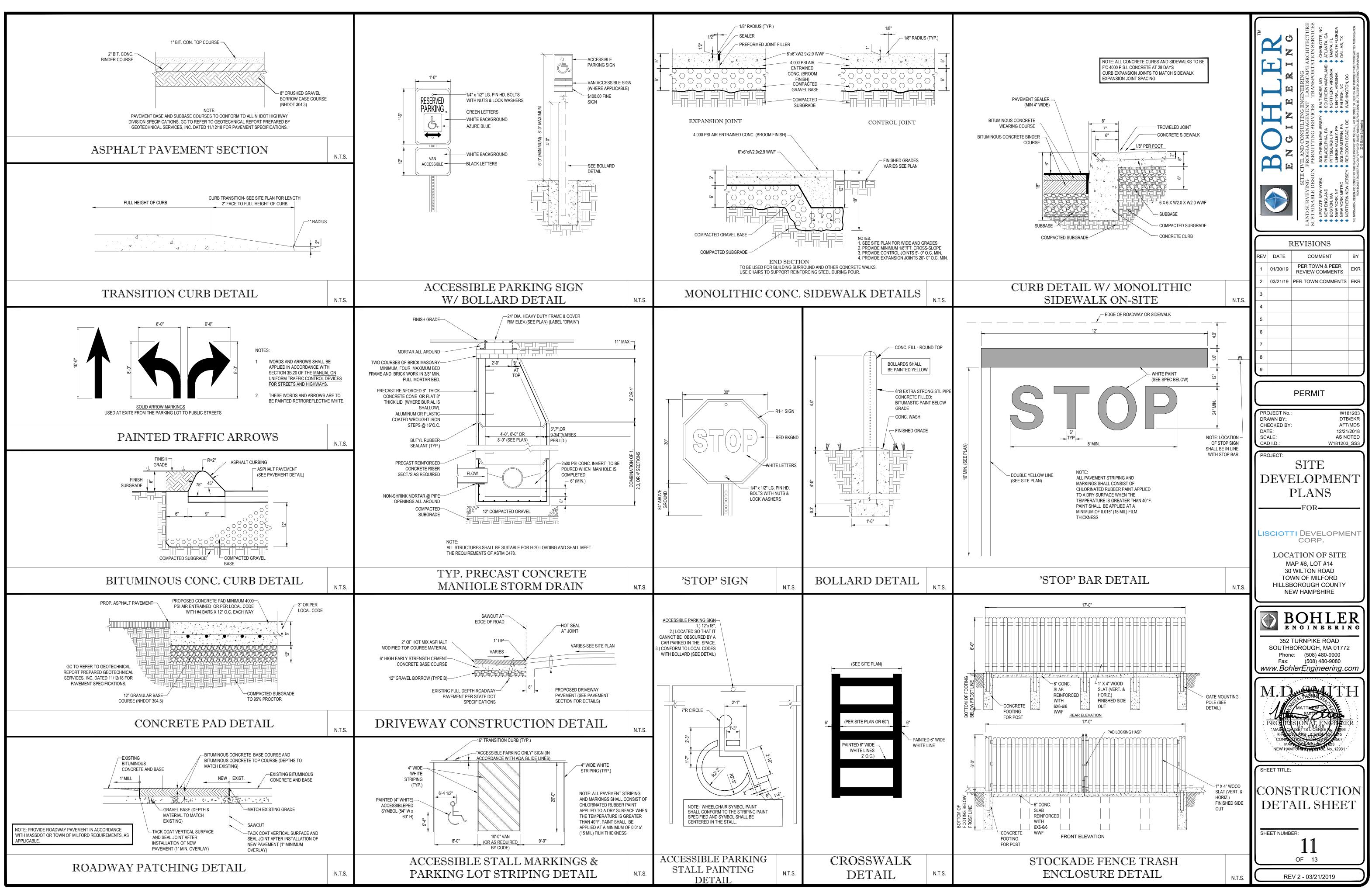
UNUSED MATERIALS, EQUIPMENT AND DEBRIS FROM THE SITE. ALL PAVED AREAS ARE TO BE CLEANED.

B. THE SITE SHALL BE CLEANED AND LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER OR AUTHORIZED REPRESENTATIVE.

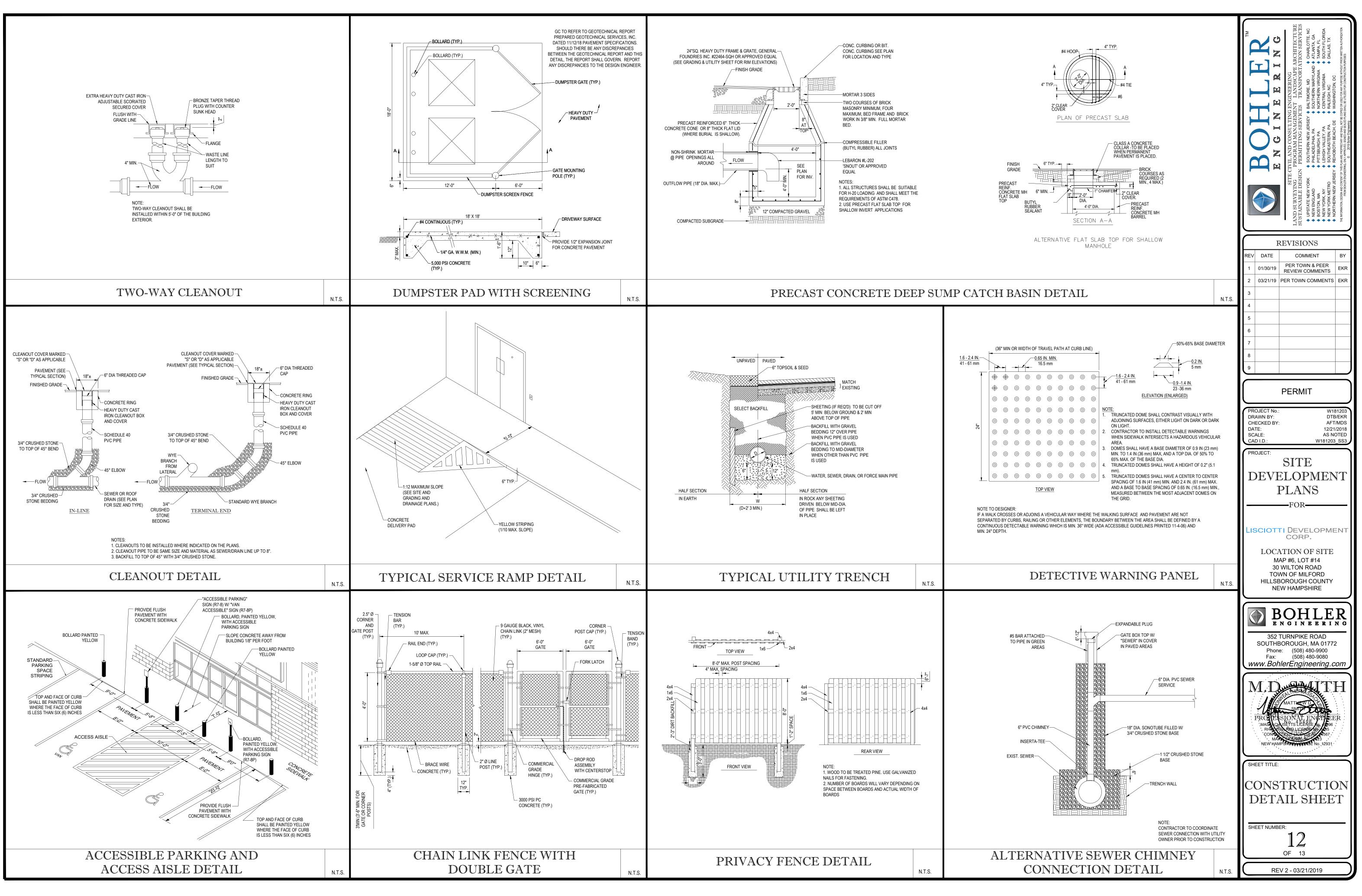
14. MAINTENANCE (ALTERNATIVE BID):

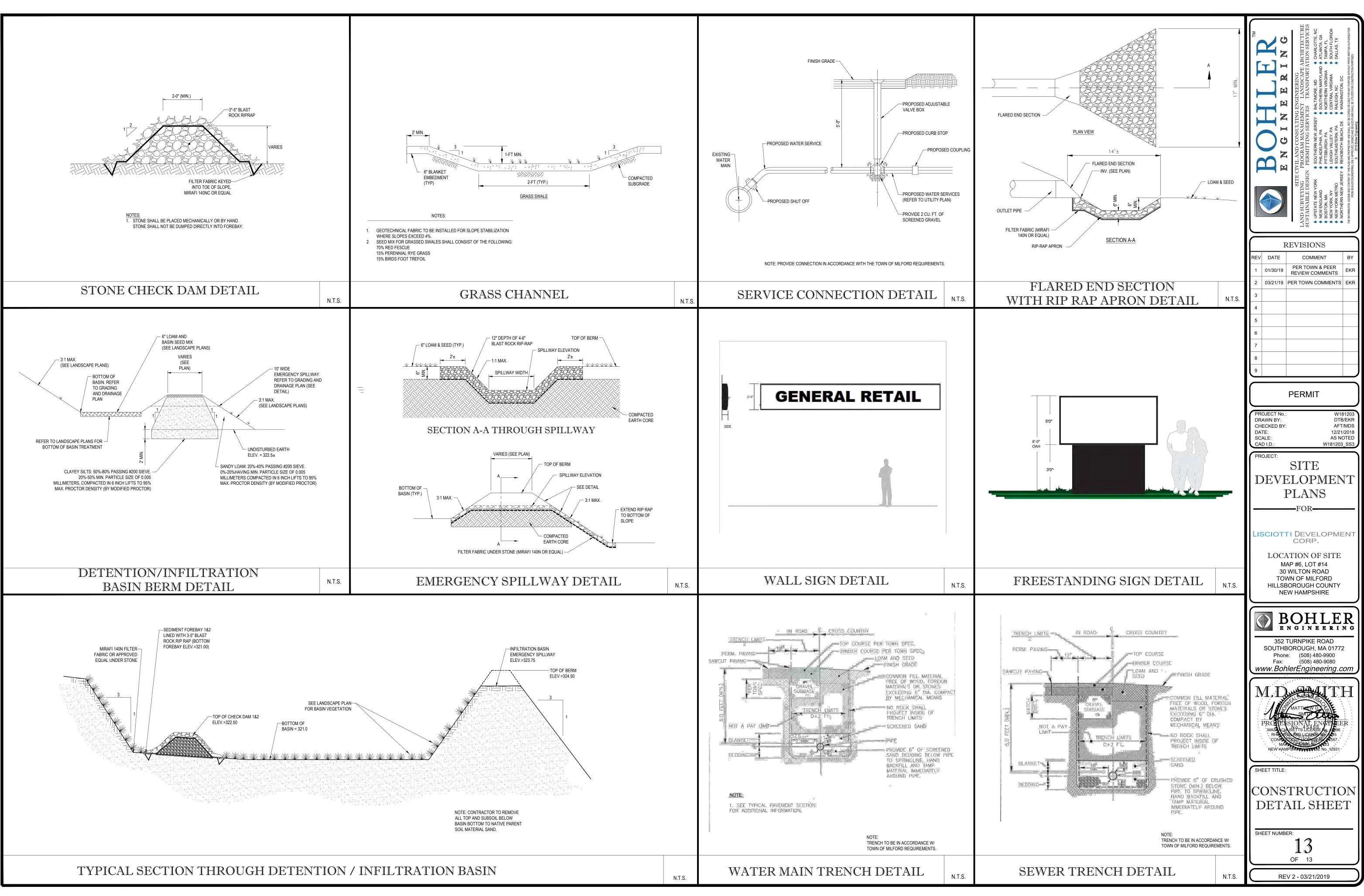
A 90 DAY MAINTENANCE PERIOD SHALL COMMENCE AT THE END OF ALL LANDSCAPE INSTALLATION OPERATIONS. THE 90 DAY MAINTENANCE PERIOD ENSURES TO THE OWNER/OPERATOR THAT THE NEWLY INSTALLED LANDSCAPING HAS BEEN MAINTAINED AS SPECIFIED ON THE APPROVED LANDSCAPE PLAN. ONCE THE INITIAL 90 DAY MAINTENANCE PERIOD HAS EXPIRED, THE OWNER/OPERATOR MAY REQUEST THAT BIDDERS SUBMIT AN ALTERNATE MAINTENANCE BID FOR A MONTHLY MAINTENANCE CONTRACT. THE ALTERNATE MAINTENANCE CONTRACT WILL ENCOMPASS ANY WORK THAT IS CONSIDERED APPROPRIATE TO ENSURE THAT PLANT AND LAWN AREAS ARE HEALTHY AND MANICURED TO THE APPROVAL OF THE OWNER/OPERATOR





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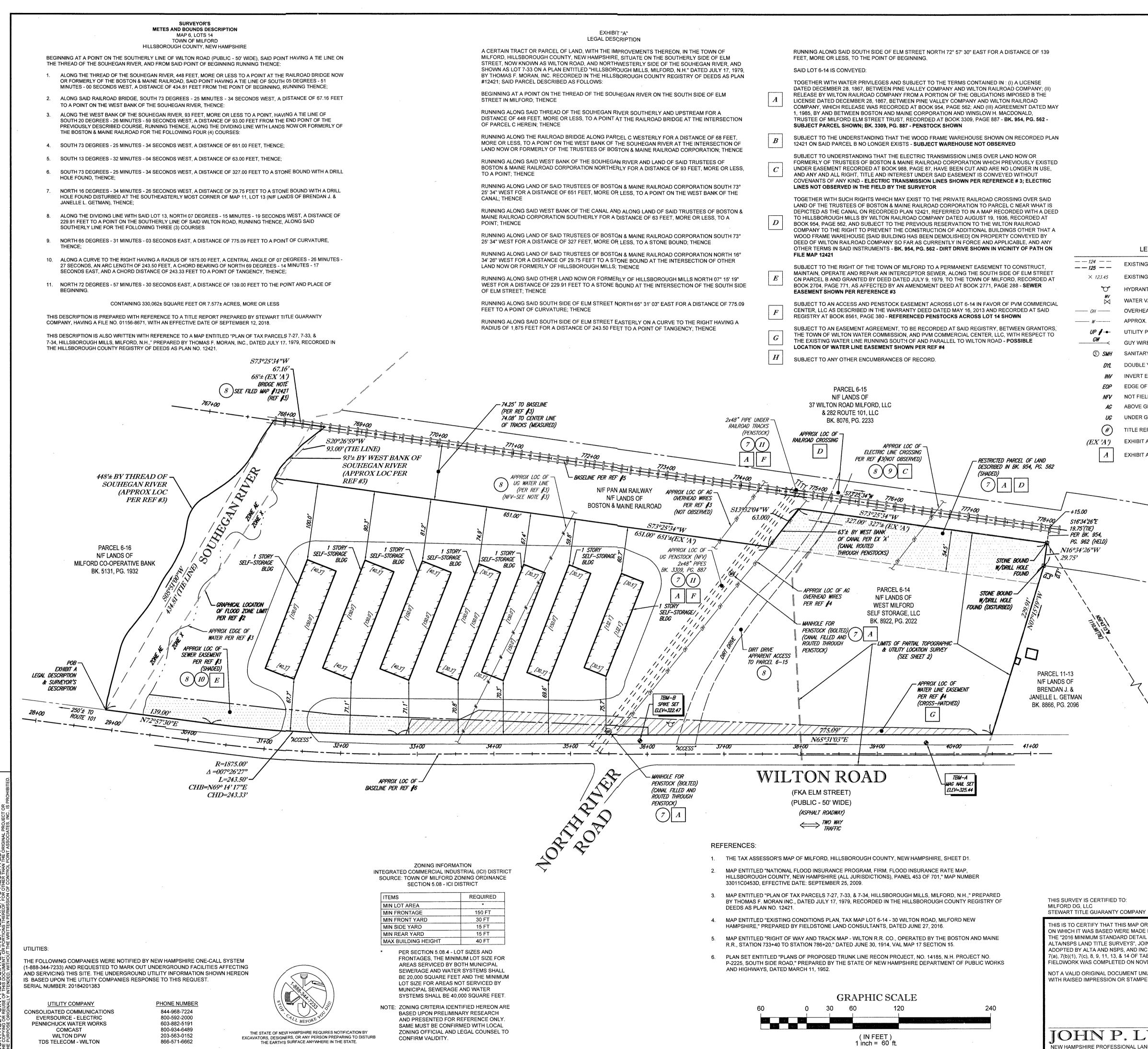
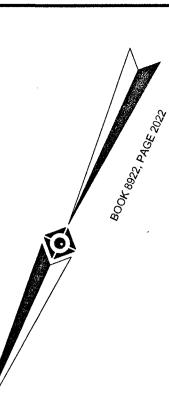
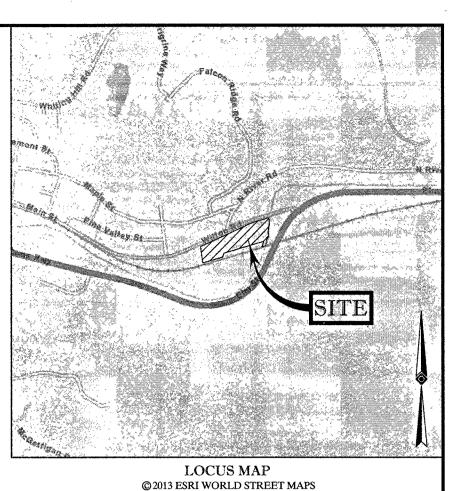


EXHIBIT "A"	
LEGAL DESCRIPTION	
T OR PARCEL OF LAND, WITH THE IMPROVEMENTS THEREON, IN THE TOWN OF OROUGH COUNTY, NEW HAMPSHIRE, SITUATE ON THE SOUTHERLY SIDE OF ELM OWN AS WILTON ROAD, AND NORTHWESTERLY SIDE OF THE SOUHEGAN RIVER, AND -33 ON A PLAN ENTITLED "HILLSBOROUGH MILLS, MILFORD, N.H." DATED JULY 17, 1979, DRAN, INC. RECORDED IN THE HILLSBOROUGH COUNTY REGISTRY OF DEEDS AS PLAN CEL DESCRIBED AS FOLLOWS:	
POINT ON THE THREAD OF THE SOUHEGAN RIVER ON THE SOUTH SIDE OF ELM RD; THENCE	A
SAID THREAD OF THE SOUHEGAN RIVER SOUTHERLY AND UPSTREAM FOR A FEET, MORE OR LESS, TO A POINT AT THE RAILROAD BRIDGE AT THE INTERSECTION REIN; THENCE	
THE RAILROAD BRIDGE ALONG PARCEL C WESTERLY FOR A DISTANCE OF 68 FEET, O A POINT ON THE WEST BANK OF THE SOUHEGAN RIVER AT THE INTERSECTION OF DRMERLY OF THE TRUSTEES OF BOSTON & MAINE RAILROAD CORPORATION; THENCE	B
SAID WEST BANK OF THE SOUHEGAN RIVER AND LAND OF SAID TRUSTEES OF RAILROAD CORPORATION NORTHERLY FOR A DISTANCE OF 93 FEET, MORE OR LESS, NCE	C
LAND OF SAID TRUSTEES OF BOSTON & MAINE RAILROAD CORPORATION SOUTH 73° A DISTANCE OF 651 FEET, MORE OR LESS, TO A POINT ON THE WEST BANK OF THE	
SAID WEST BANK OF THE CANAL AND ALONG LAND OF SAID TRUSTEES OF BOSTON & CORPORATION SOUTHERLY FOR A DISTANCE OF 63 FEET, MORE OR LESS, TO A	D
LAND OF SAID TRUSTEES OF BOSTON & MAINE RAILROAD CORPORATION SOUTH 73° A DISTANCE OF 327 FEET, MORE OR LESS, TO A STONE BOUND; THENCE	t
LAND OF SAID TRUSTEES OF BOSTON & MAINE RAILROAD CORPORATION NORTH 16° A DISTANCE OF 29.75 FEET TO A STONE BOUND AT THE INTERSECTION OF OTHER ORMERLY OF HILLSBOROUGH MILLS; THENCE	
SAID OTHER LAND NOW OR FORMERLY OF HILLSBOROUGH MILLS NORTH 07° 15' 19" FANCE OF 229.91 FEET TO A STONE BOUND AT THE INTERSECTION OF THE SOUTH SIDE THENCE	Ε
SAID SOUTH SIDE OF ELM STREET NORTH 65° 31' 03" EAST FOR A DISTANCE OF 775.09 OF CURVATURE; THENCE	F
SAID SOUTH SIDE OF ELM STREET EASTERLY ON A CURVE TO THE RIGHT HAVING A FEET FOR A DISTANCE OF 243.50 FEET TO A POINT OF TANGENCY; THENCE	





(NOT TO SCALE)

LEGEND EXISTING CONTOUR EXISTING SPOT ELEVATION 30 HYDRANT WATER VALVE OVERHEAD WIRES APPROX. LOC. UNDERGROUND WATER LINE UTILITY POLE GUY WIRE SANITARY/SEWER MANHOLE DOUBLE YELLOW LINE DYL INVERT ELEVATION EDGE OF PAVEMENT FOP NOT FIELD VERIFIED NFV ABOVE GROUND AG UNDER GROUND UG TITLE REPORT EXCEPTION EXHIBIT A DISTANCE EXHIBIT A ENCUMBRANCE

NOTES:

- PROPERTY KNOWN AS PARCEL 6-14 AS SHOWN ON THE TOWN OF NEW HAMPSHIRE, HILLSBOROUGH COUNTY, STATE OF NEW HAMPSHIRE TAX ASSESSOR MAP D1.
- AREA = 330,062± SQUARE FEET OR 7.577± ACRES
- LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE AS-BUILT PLANS AND UTILITY MARKOUT DOES NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES. CONTROL POINT ASSOCIATES, INC. DOES NOT GUARANTEE THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED.
- THIS PLAN IS BASED ON INFORMATION PROVIDED BY A SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC. AND OTHER REFERENCE MATERIAL AS LISTED HEREON.
- 5. THIS SURVEY WAS PREPARED WITH REFERENCE TO A TITLE REPORT PREPARED BY STEWART TITLE GUARANTY COMPANY, HAVING A FILE NO. 01156-8671, WITH AN EFFECTIVE DATE OF SEPTEMBER 12, 2018, WHERE THE FOLLOWING SURVEY RELATED EXCEPTIONS APPEAR IN SCHEDULE B - PART II: GENERAL EXCEPTIONS 1 THRU 6 ARE NOT SURVEY RELATED AND HAVE NOT BEEN COMMENTED ON AS A
- PART OF THIS SURVEY TERMS OF A LICENSE WITH PINE VALLEY COMPANY AND WILTON RAILROAD COMPANY AS AFFECTED BY A RELEASE AT BOOK 954, PAGE 562 AND AGREEMENT BY AND BETWEEN BOSTON AND MAINE CORPORATION AND MILFORD ELM STREET TRUST DATED MAY 1, 1985 AND RECORDED AT BOOK 3309. PAGE 887 - BK. 954, PG. 562 - SUBJECT PARCEL SHOWN; BK. 3309, PG. 887 - PENSTOCK SHOWN
- (8) NOTES, RIGHTS OF WAY, RIGHTS, EASEMENTS, RESTRICTIONS, COVENANTS, CONDITIONS AND OTHER MATTERS DEPICTED ON A PLAN RECORDED IN THE HILLSBOROUGH COUNTY REGISTRY OF DEEDS IN PLAN NUMBER 12421 - ELECTRIC TRANSMISSION CROSSING, DIRT ACCESS PATH, SEWER EASEMENT, AND UNDERGROUND WATERLINE SHOWN
- (9) RIGHTS AND EASEMENTS REFERRED TO OR SET FORTH IN INSTRUMENTS RECORDED IN THE HILLSBOROUGH COUNTY REGISTRY OF DEEDS IN BOOK 988, PAGE 87 - ELECTRIC TRANSMISSION LINES SHOWN PER REFERENCE # 3; ELECTRIC LINES NOT OBSERVED IN THE FIELD BY THE SURVEYOR
- RIGHTS AND EASEMENTS TO THE TOWN OF MILFORD REFERRED TO OR SET FORTH IN INSTRUMENT DATED JULY 9, 1979 AND RECORDED IN THE HILLSBOROUGH COUNTY REGISTRY OF DEEDS IN BOOK 2704, PAGE 771 AS AFFECTED BY DEED FROM WINSLOW H. MACDONALD, TRUSTEE OF MILFORD ELM STREET TRUST U/I DATED OCTOBER 2, 1979 TO THE TOWN OF MILFORD RECORDED IN BOOK 2771, PAGE 288 - SEWER EASEMENT SHOWN PER REFERENCE #3
- RIGHTS AND EASEMENTS REFERRED TO OR SET FORTH IN WARRANTY DEED DATED MAY 16, 2013 FROM 282 ROUT E 101, LLC AND 37 WILTON ROAD MILFORD, LLC TO PVM COMMERCIAL CENTER, LLC RECORDED IN THE HILLSBOROUGH COUNTY REGISTRY OF DEEDS IN BOOK 8561, PAGE 380 -REFERENCED PENSTOCKS ACROSS PARCEL 6-14 SHOWN; LOT 6-14 IS PARCEL B

BY GRAPHIC PLOTTING ONLY THE MAJORITY OF THE PROPERTY IS LOCATED IN FLOOD HAZARD ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN; TOPOGRAPHIC SURVEY AREA IS LOCATED IN FLOOD HAZARD ZONE X) AND PARTIALLY IN FLOOD HAZARD ZONE AE (SPECIAL FLOOD HAZARD AREAS (SFHAS) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD - BASE FLOOD ELEVATIONS DETERMINED - VARIES BETWEEN ELEVATIONS 296-300 ALONG THE SOUHEGAN RIVER; APPROXIMATE GRAPHICAL LOCATION SHOWN) PER REF. #2

ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), BASED ON GPS OBSERVATIONS UTILIZING THE KEYSTONE VRS NETWORK (KEYNETGPS).

TEMPORARY BENCH MARKS SET TBM-A: MAG NAIL SET ON SOUTHERLY SIDE OF WILTON ROAD - ELEVATION = 325.44'

TBM-B: SPIKE SET ON SOUTHERLY SIDE OF WILTON ROAD - ELEVATION = 322.47'

PRIOR TO CONSTRUCTION IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE BENCHMARKS ILLUSTRATED ON THIS SKETCH HAVE NOT BEEN DISTURBED AND THEIR ELEVATIONS HAVE BEEN CONFIRMED. ANY CONFLICTS MUST BE REPORTED PRIOR TO CONSTRUCTION.

THE OFFSETS SHOWN ARE NOT TO BE USED FOR THE CONSTRUCTION OF ANY STRUCTURE, FENCE, PERMANENT ADDITION, ETC.

9. THIS SURVEY DOES NOT SHOW THE EXISTENCE OF WETLANDS, IF ANY.

10. PARTIAL TOPOGRAPHY SHOWN HEREON PER CONTRACTUAL AGREEMENT WITH CLIENT AS DELINEATED HEREON. DETAILS SHOWN HEREON OUTSIDE OF THE LIMIT OF THE PARTIAL TOPOGRAPHIC & UTILITY LOCATION SURVEY ARE LIMITED TO BUILDINGS & IMPERVIOUS AREAS.

THE PROPERTY DESCRIBED IN THE TITLE COMMITMENT AS EXHIBIT "A" IS THE SAME AS SHOWN ON THE SURVEY.

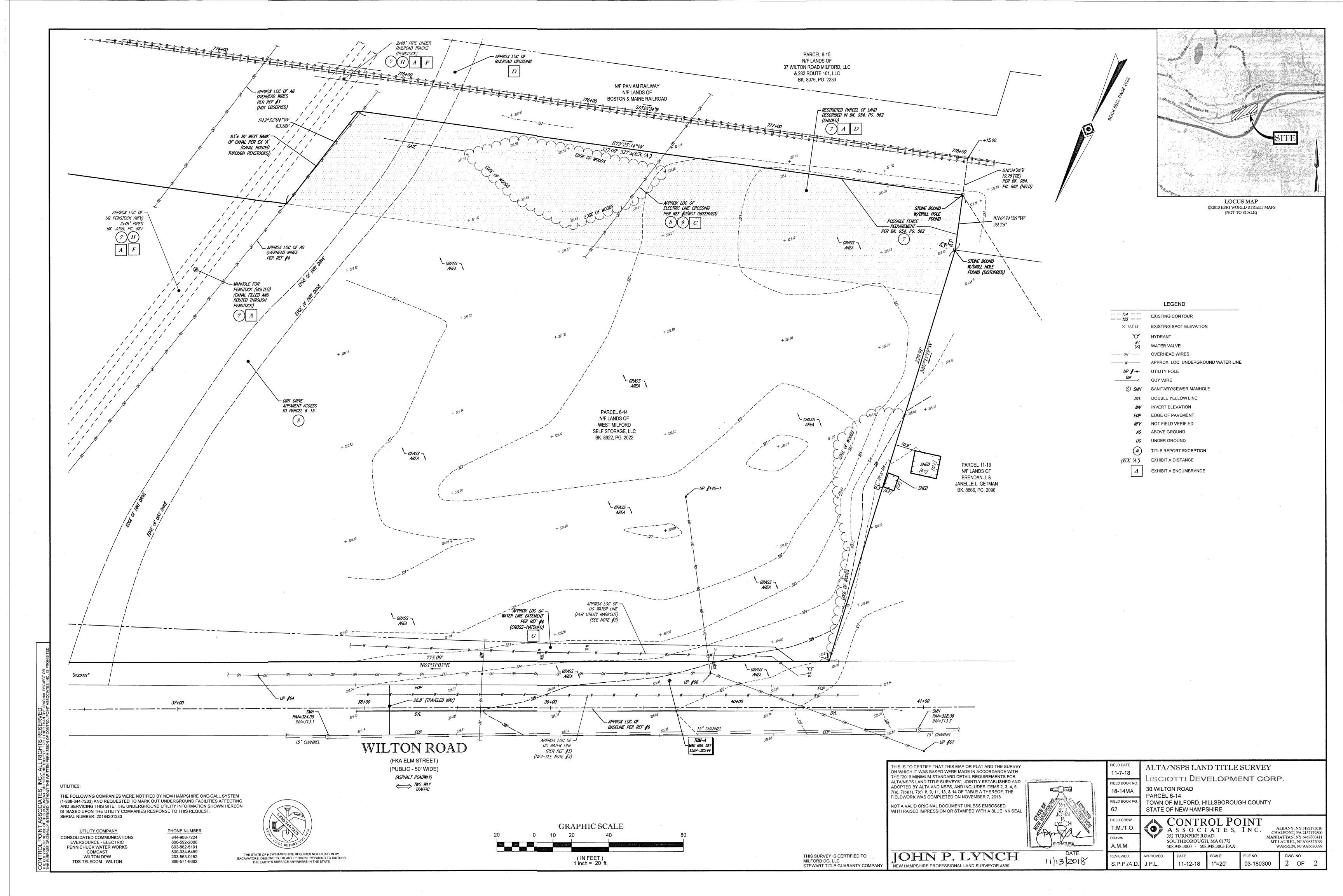
THE CURRENT ZONING CLASSIFICATION WAS NOT PROVIDED BY THE CLIENT AS REQUIRED BY THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS.

NO MARKED PARKING SPACES WERE OBSERVED IN THE TOPOGRAPHIC SURVEY AREA.

D TO:	

SEE SHEET 2 OF 2 FOR AREA OF TOPOGRAPHIC DETAIL

RANTY COMPANY							
THAT THIS MAP OR PLAT AND THE SURVEY SED WERE MADE IN ACCORDANCE WITH STANDARD DETAIL REQUIREMENTS FOR		FIELD DATE		ISPS LAN			~
LE SURVEYS", JOINTLY ESTABLISHED AND ND NSPS, AND INCLUDES ITEMS 2, 3, 4, 5, 11, 13, & 14 OF TABLE A THEREOF. THE		FIELD BOOK NO. 18-14MA	30 WILTON PARCEL 6	ROAD	ELOPME	ENT CORF	•
MPLETED ON NOVEMBER 7, 2018. AL DOCUMENT UNLESS EMBOSSED SSION OR STAMPED WITH A BLUE INK SEAL	No 899 JOHN	FIELD BOOK PG	TOWN OF	MILFORD, HI		SH COUNTY	
	LYNCH	FIELD CREW T.M./T.O.	(0) A	CONTR s s o c i	ATES,	INC A	LBANY, NY 5182175010 LFONT, PA 2157129800
	SIGNATURE	drawn: A.M.M.	SO	TURNPIKE RO UTHBOROUGH .948.3000 - 508	I, MA 01772	MANH MT I	ATTAN, NY 6467800411 AUREL, NJ 6098572099 /ARREN, NJ 9086680099
ROFESSIONAL LAND SURVEYOR #899	DATE 11/13/2018	REVIEWED: S.P.P./A.D.	APPROVED. J.P.L.	date 11-13-18	scale 1"=60'	FILE NO. 03-180300	dwg. no. 1 OF 2



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March 21, 2019

Town of Milford Planning Board 1 Union Square Milford, MA 03055

Attention: Lincoln Daley, Director of Community Development

Re: Proposed Retail Building Development 30 Wilton Road, Milford, NH – Map 6, Lot 14 Response to Major Site Plan Review Community Development / Planning Comments

Dear Members of the Board:

Below please find our responses to comments noted within the letter from the Office of Community Development, dated February 21, 2019. The responses contained in the letter and the associated revisions that have been made to the enclosed Site Development Plans are reflective of discussions with the Planning Board at their January 22, 2019 and February 26, 2019 public hearings, a March 07, 2019 meeting with the Nashua Regional Planning Commission (NRPC), and multiple discussions with the Town of Milford Planning Department, respectively. For clarity, the original comments are in italics, while our responses are directly below in bold font.

Public Works:

Comment 1:	Project will require a Town Street Opening Permit and Driveway Permit.
Response 1:	Comment acknowledged. Applications for a Town Street Opening Permit and a Driveway Permit are anticipated to be filed with Public Works prior to construction.
Comment 2:	Concern regarding the proposed construction of the driveway entrance and repair of Wilton Road. See Town of Milford, Infrastructure Design, Construction & Administration Standards.
Response 2:	Work within the right-of-way is proposed to be performed in accordance with applicable requirements of the Town of Milford Infrastructure Design, Construction & Administration Standards.
Comment 3:	Sheet 13 Stone Check Dam Detail. Revise the detail by removing the filter fabric.
Response 3:	The Stone Check Dam Detail has been revised as requested, as shown on Sheet 13 of the enclosed Site Development Plans.



Comment 4: Ensure that all plantings do not impact sight distance for access/egress along Wilton Road.

Response 4: Proposed landscape plantings have been designed such that they are not anticipated to impact sight distance from the proposed access/egress driveway onto Wilton Road.

Comment 5: The plan should incorporate pedestrian activity along Wilton Road.

Response 5: A proposed sidewalk is now shown on the plans from the subject site to the Wilton Road right-of-way. In consideration comments relative to potential future upgrades to the municipal sidewalk infrastructure, , the Applicant is providing the Town with a \$5,000.00 contribution towards said future municipal sidewalk improvements.

Water/Sewer Utilities:

- *Comment 1:* Water will have to be supplied by Wilton Water (Milford Water ends at the Milford side of the bridge on Wilton road).
- **Response 1:** Comment acknowledged.
- *Comment 2:* Sewer utilities and inverts (depths) will have to be verified for 5 foot minimum burial and sewer pipe slope.
- Response 2: Proposed sanitary sewer lines have been designed to provide five (5 ft) foot minimum burial depth, as shown within the enclosed Site Development Plans.
- **Comment 3:** Sewer clean out will need to be installed at the property line along with the building clean outs.
- Response 3: A sanitary sewer cleanout has been proposed at the property boundary, as shown within the enclosed Site Development Plans.
- *Comment 4:* The word "forcemain" is used on the utility plan. The Department will need to verify if the sewer is gravity or a pumped force main.
- Response 4: A gravity sanitary sewer connection is proposed. The reference to "force main" has been removed from Sheet 6 of the enclosed Site Development Plans.
- *Comment 5:* We have details for the utility trenches that they will have to comply with.
- Response 5: Typical Town of Milford details for utility trenches have been included on Sheet 13 of the enclosed Site Development Plans.
- **Comment 6:** Modify the sewer connection using the attached "Alt. Sewer Chimney Detail".

Response 6: The proposed sanitary sewer connection has been modified to reflect the provided "Alt. Sewer Chimney Detail", as shown within the enclosed Site Development Plans.



Community Development/Planning:

Comment 1: Sheet 1. Please revise the plan to include signature blocks for the Planning Board and Property Owner and resubmit.

- **Response 1:** Planning Board and Property Owner signature blocks have been included on Sheet 1 of the enclosed Site Development Plans.
- *Comment 2:* Sheet 1. Waiver Requests. Recommend incorporating the Waiver Requests Block into a general Notes block. Further, please add the following notes:
 - a. Note defining the Purpose of the plan
 - b. Note detailing Open Space calculations
 - c. A note indicating: "As-built plans shall be delivered to the Building Department prior to a Certificate of Occupancy being issued."
 - d. A note indicating: "Water, sewer, road (including parking lot) and drainage work shall be constructed in accordance with the Town of Milford's Water Utilities Department and Public Works Department Standards."
 - e. A note indication that the project is subject to Police Impact Fees.
 - f. A note detailing Groundwater Protection District information.
 - g. A note showing the approval dates for the (1) Milford Stormwater Management and (2) Erosion Control Permit and NH DOT.
 - h. A note delineating all wetlands and wetland buffers (if applicable). As we have discussed and at a minimum, please verify that no wetlands were identified on the subject property.
- Response 2: The requested notation has been included on Sheet 1 of the enclosed Site Development Plans.
- *Comment 3:* Sheet 1. Please revise the plans to include a Reference Plan block and plans used to compile the submitted site plan.
- Response 3: A Reference Plan block has been included on Sheet 1 of the enclosed Site Development Plans.
- *Comment 4:* Sheet 3, Zoning Analysis Table. The project area is located on an undeveloped portion of the parent lot, Map 6, Lot 14. Please confirm the existing impervious coverage calculation of 31.8% and clarify if said percentage represents the parent lot, Map 6, Lot 14 or the proposed subdivided lot, Map 6, Lot 14-1. Similarly, please explain the 54.3% proposed impervious coverage area.
- Response 4: The Zoning Analysis Table has been updated to be reflective of information for only the land area associated with proposed Lot 14-1, as shown on Sheet 4 of the enclosed Site Development Plans.
- *Comment 5:* Sheet 4, Site Plan, Zoning Analysis Table. The plan states that the maximum height of the building will be 18'. However, the submitted elevations show that the building height will be 30' 4". Please explain and revise the plan accordingly.



- Response 5: The Zoning Analysis Table has been updated to reflect a proposed building height of 30'-4", consistent with the proposed architectural building design. The updated Site Development Plans are enclosed with this letter.
- *Comment 6:* Sheet 4, Zoning Analysis Table. Please revise the parking calculation by separating the retail use and warehouse/storage area within the building in accordance with Section 6.05.4 of the Development Regulations.
- Response 6: The parking requirement shown within the Zoning Analysis Table has been maintained as thirty-seven (37) required parking spaces, as the Development Regulations appear to require the use of the entire building gross floor area under the "Retail Shopping Centers" category. Alternate calculations have been included within the Zoning Analysis Table based the total retail and storage uses within the building, yielding a required parking total of thirty (30) parking spaces. The Planning Board, as part of their deliberations during their January 22, 2019 public hearing, approved a waiver to reduce the requisite number of parking spaces from thirty-seven (37) to twenty-eight (28), as indicated on the enclosed Site Development Plans.
- **Comment 7:** Sheet 4. Proposed Signage. Please include the proposed design, construction, and engineering details associate with the monument sign, directional signage, and wall signage. Recommended placement of information on Sheet 13.
- Response 7: Details representative of the anticipated monument and building signage has been included on Sheet 13 of the enclosed Site Development Plans. Final signage details are anticipated to be completed by the proposed tenant and provided to the Town prior to construction.
- *Comment 8:* Sheet 4. Snow Storage. The plan shows a snow storage location along the front and east side perimeters of the subdivided lot. Sheet 4 also contains a note stating that snow shall be removed to an off-site location.... Please clarify and describe the anticipated process for snow removal. It is recommended that the snow removal company be a certified Green Snow Professional.
- Response 8: As noted, snow storage areas are indicated on the enclosed Site Development Plans. Should additional snow storage be required during more intense storm events and above that which is currently indicated, snow is proposed to be removed to an off-site location in accordance with the applicable regulations governing same. The snow removal contractor is to be retained by the respective tenant. The recommendation relative to said snow removal contractor being a Green Snow professional will be relayed to the tenant for their consideration.
- **Comment 9:** Sheets 4 and 9. The plan displays an 8' tall fence extending along on the western property border to the southwest corner of the building. It is recommended that the fence be extended to the property line of the residential abutter to provide further visual mitigation of the building and improve the safety/security between the two properties.
- Response 9: The proposed eight (8) foot high fence has been extended an additional thirty-five (35±) feet towards the rear of the parcel to the limit of the existing easement, as shown on Sheet 4 of the enclosed Site Development Plans. The beneficiary of the existing easement, Pan



Am Railway, will not permit the placement of structures within the easement. Accordingly, the proposed fence has been extended to the extent that it can.

- **Comment 10:** Sheet 5. Please explain if LID practices were considered as part of the drainage/stormwater and landscape design. More specifically it would appear that opportunities exist to utilize portions of the landscaped areas for treatment and infiltration of stormwater. In addition, were there considerations to design a functional raingarden in lieu of the proposed 3 foot deep detention basin?
- Response 10: The proposed stormwater detention/infiltration basin was designed in consideration of requirements associated with the New Hampshire Stormwater Management Manual, specifically to meet the groundwater recharge requirements of same. Alternative options were considered, however would not allow the project to meet New Hampshire Stormwater Management Manual requirements. The design of the project's proposed stormwater management system has been reviewed by Town's peer review engineer, KV Partners LLC, and they have indicated the plans meet the requisite design standards by way of their letter dated February 8, 2019.
 - **Comment 11:** Sheet 9, Irrigation Notes. The plan states that all landscaped areas and lawns are to be fully irrigated. Further, the irrigation system would be designed by other and include all spray heads, valves and controllers. Please refer to Section 6.08.2 of the Development Regulations detailing the requirements for a permanent irrigation system and revise the plans accordingly.
 - Response 11: The plans have been updated such that permanent irrigation systems, if provided, shall be low volume systems and utilize water saving technologies, as shown on Sheet 9 of the enclosed Site Development Plans.
 - **Comment 12:** Sheet 9. The proposed landscape design does not currently include any plantings along the building. Pursuant to Section 6.08.6 of the Development Regulations, landscaping shall be provided along all building frontage. A minimum of one (1) shrub for every five (5') feet of building frontage shall be provided. In instances where it is not possible to locate all required shrubs along the building frontage due to doorways, walkways or other impervious surfaces, the required shrubs shall be utilized within the parking lot or landscape buffers. Please revise the plan accordingly or submit a waiver request.
 - Response 12: The Landscaping Plans has been updated to include additional landscaping along the building frontage, as shown on the enclosed Site Development Plans. Additional landscape plantings were previously proposed within landscape buffers above that required in consideration of the overall landscape design.
 - *Comment 13:* Sheet 9. Pursuant to Section 6.08.8.A of the Development Regulations, please confirm that all plant stock meets the ANSI Z60.1 standard.
 - Response 13: All plant stock is proposed to meet ANSI Z60.1, a note stating same is included on the enclosed Site Development Plans.
 - *Comment 14:* Sheet 9. Please add a note to the plan stating the following, "Any landscape element that dies, or is otherwise removed, shall be promptly replaced with the same, if not similar to, height or texture



element as originally intended. In addition, landscaped areas shall be kept free of all debris, rubbish, weeds and overgrown turf grass."

- Response 14: The requested note has been added the Landscaping Plan included as part of the enclosed Site Development Plans.
- *Comment 15:* Sheet 11, Stockade Fence Detail. Please revise the plans by replacing the vinyl coated chain link fence along the front of the dumpster pad with the wooden slat detail and adjust the gate design accordingly.
- Response 15: The front gate of the dumpster enclosure has been modified to be wooden slat, as shown on the enclosed Site Development Plans.
- *Comment 16:* Lighting Plan. Please revise the plan set to include the engineering and construction details for the lights, 20' light poles, and associated 2' AFG bases. Include the manufacturing photographs of each proposed light.
- Response 16: Specific construction details for the light pole bases are anticipated to be completed by the structural engineer prior to construction. Typical manufacturer specification sheets and representative images of the proposed light fixtures are enclosed with this response for reference.
- **Comment 17:** Lighting Plan. Please explain the reason for not adding security lighting to the rear of the building.
- Response 17: Security lighting is not proposed at the rear of the building as there are no building access or egress points along that façade. The Applicant, in consideration of the feedback that has been provided as part of the review process, has made an effort to minimize the lighting features which are to remain operational during non-business hours.
- *Comment 18:* Sheets 1 and 4, Lighting Note Detail. Please revise the plan note stating "Typ. See Lighting Plan By Others" to "See Lighting Plan."
- Response 18: As the Lighting Plan has been prepared by another industry professional, Light Efficient Design, LLC, under separate contract with the respective tenant, the note referring to the Lighting Plan as being prepared by others has been updated to include additional information as to the specific entity which was responsible for the preparation of that plan. The updated Site Development Plans are enclosed with this letter.
- *Comment 19:* General Comment. Please revise the plan by deleting the "Plans By Others" with the correct referenced plan sheet.
- Response 19: As the Lighting Plan has been prepared by another industry professional, Light Efficient Design, LLC, under separate contract with the respective tenant, the note referring to the Lighting Plan as being prepared by others has been updated to include additional information as to the specific entity which was responsible for the preparation of that plan. The updated Site Development Plans are enclosed with this letter.



Comment 20: General Comment - Pedestrian Connectivity. Pursuant to Section 7.03 Sidewalks of the Development Regulations, the Planning Board may require sidewalks for pedestrian traffic to provide a connection between the main entrances of business, housing or industrial establishments, parking areas and along public roadways. Further, the Planning Board may also require sidewalks from the road to the main building entrance or along the road frontage if there is a reasonable expectation pedestrian patrons, residents, neighbors, children, shoppers or employees would be traveling to or from the site. Sidewalks and pedestrian connectivity is further emphasized in the West Elm Street Overlay District.

The property is located in close proximity (approx. 500 linear feet) to existing sidewalk located along the southern side of Wilton Road heading west towards Wilton. A smaller section of sidewalk is located at the intersection of Wilton Road and North River Road. Staff asserts that there would be a reasonable expectation that pedestrian patrons, residents, neighbors, children, shoppers or employees would be traveling to or from the site given its proposed use and proximity to residential uses and existing sidewalk network. Staff recommends that the plan be revised to show a sidewalk in located along the frontage of the proposed subject lot. In addition, staff recommends the construction of a lighted crosswalk at the intersection of North River Road and Wilton Road to the southern side of Wilton Road to improve pedestrian safety and connectivity to the Pine Valley Mill property and neighboring residential properties.

- Response 20: As previously noted, a proposed sidewalk is now shown on the plans from the subject site to the Wilton Road right-of-way. In consideration comments relative to potential future upgrades to the municipal sidewalk infrastructure, the Applicant is providing the Town with a \$5,000.00 contribution towards said future municipal sidewalk improvements.
- **Comment 21:** General Comment Section 6.07.6.E.1 Building Orientation. Pursuant to Section 6.07.6.e, new structures shall maintain an appropriate street edge in relationship to adjacent structures. The location of the proposed building is approximately 115 feet from the edge of road. Said distance far exceeds the street edge of adjacent structures. Please explain or submit a waiver request seeking relief from this requirement.
- Response 21: As discussed with the Planning Board at their January 22, 2019 hearing and as further discussed in the response to staff comments letter prepared by our office, dated January 30, 2019, the building orientation and site layout has been designed to allow for on-site circulation of traffic, as well as delivery and emergency response vehicles while respecting encumbrances associated with the existing land, including limited lot depth incurred as a result of the existing railroad easement. Alternative layouts were considered, however they necessitated additional depth that was unavailable to the project or large areas of land on Map 6, Lot 14 that were not practicable for the overall development of same. Subsequent to our discussions with the Planning Board at their January 22, 2019 public hearing, a general consensus was reached with the Board that the layout was appropriate given the number of factors which are influencing same. The additional setback distance from Wilton Road provides the project an opportunity to provide additional landscape screening in an effort to further buffer the project from the public travel way.

Additionally, properties to the west of the subject site consist of residential properties to which no correlation exists between the orientation of the two uses. A proposed landscaping and fence screen is proposed along the existing property boundary abutting said property to further separate the two uses. Properties to the east of the subject site consist of self-storage facilities, which are setback from the Wilton Road travelled way approximately eighty-five (85) feet. Accordingly, we believe the proposed building



orientation is not inappropriate relative to adjacent structures and meets the needs of the proposed facility.

Comment 22: General Comment – Section 6.07.6.E.2 Building Massing, Form, Height. Pursuant to Section 6.07.06.E.2, to enhance the character of new development and the corridor, the building scale should be reduced introducing small-scaled architectural features, creating an irregular footprint and variations in roof forms and height of roof elements.

Please explain how the side elevations of the building meet these design standards and what alternatives were considered.

Response 22: As discussed with the Planning Board at the January 22, 2019 hearing and as further discussed in the response to staff comments letter prepared by our office dated January 30, 2019, the project and building elevations have been designed in consideration of the standards associated with the West Elm Street Gateway District. Architectural design elements introduced to the front façade of the building include but are not limited to a peaked roof feature at the center of the building, an awning over the main entrance, upgraded clapboard siding, color changes, the inclusion of additional architectural trim to provide visual interest to the façade, a projection of the building face at the main entrance, and decorative window panels and shutters.

The side (east) building façade is oriented such that it is angled away from Wilton Road. In consideration of discussions with the Planning Board at the January 22, 2019 hearing relative to the side (east) facing elevation, the project has proposed additional shade tree plantings along the eastern property boundary to provide additional visual buffer to the project.

- **Comment 23:** General Comment Section 6.07.6.E.3 Architectural Features and Materials. Pursuant to Section 6.07.06.E.3, long expanses of repetitive architectural elements and flat unarticulated wall surfaces shall be avoided. Please explain how the side elevations of the building meet this requirement and what alternatives were considered. Please modify the plan in compliance with this section or request a waiver from said section.
- Response 23: As discussed with the Planning Board at the January 22, 2019 hearing and as further discussed in the response to staff comments letter prepared by our office dated January 30, 2019, the project and building elevations have been designed in consideration of the standards associated with the West Elm Street Gateway District. Architectural design elements introduced to the front façade of the building include but are not limited to a peaked roof feature at the center of the building, an awning over the main entrance, upgraded clapboard siding, color changes, the inclusion of additional architectural trim to provide visual interest to the façade, a projection of the building face at the main entrance, and decorative window panels and shutters.

The side (east) building façade is oriented such that it is angled away from Wilton Road. In consideration of discussions with the Planning Board at the January 22, 2019 hearing relative to the side (east) facing elevation, the project has proposed additional shade tree plantings along the eastern property boundary to provide additional visual buffer to the project.



- *Comment 24:* General Comment Section 6.07.6.E.8 Windows. Consideration should be given to adding windows to the side elevations to break up the walls.
- Response 24: Decorative window features have been included on the front building façade. The side (east) building façade is oriented such that it is angled away from Wilton Road. In consideration of discussions with the Planning Board at the January 22, 2019 hearing relative to the side (east) facing elevation, the project has proposed additional shade tree plantings along the eastern property boundary to provide additional visual buffer to the project.
- *Comment 25:* General Comment Section 6.07.6.E.10 Signage. Please provide all design, engineering, and construction details for all monument and wall signs for the project.
- Response 25: Details representative of anticipated monument and building signage has been included on Sheet 13 of the enclosed Site Development Plans. Final signage details are anticipated to be completed by the proposed tenant and provided to the Town prior to construction.
- **Comment 26:** General Comment Section 6.07.6.E.11 Screening. Pursuant to Section 6.07.06.E.11, states that all rooftop air conditioning, heating and large mechanical equipment, building accessories, and refuse shall have noise reduction screening and be screened from public view and have noise reduction screening. Please identify on the plans where the anticipated roof mounted units will be located. Further, please provide building design and construction details for sound and visual screening mitigation for all roof mounted mechanical units.
- **Response 26:** Four (4) rooftop HVAC units are anticipated to be installed generally evenly oriented around the center of the building's roof. The proposed building has been designed with a peaked roof at the center of the building and a raised façade along the front of the building in an effort to provide additional screening of rooftop units from public view.
- Comment 27: General Comment Section 6.07.06.F.1 Access Management.
 - a. Pursuant to Section 6.07.06.F.1 of the Zoning Ordinance, shared access and interconnecting driveways are strongly encouraged between adjacent interior parking lots to further reduce potential access points along the main road, and allow pedestrian and vehicular access between adjacent lots without entering the roadway.

Based on the previous statements made by the applicant involving the development of adjacent commercial property, to allow for future connectivity, and improved internal pedestrian/vehicular circulation, Staff recommends that the plan be revised to include a future access/egress connection between the two commercial properties.

Response 27a.: As discussed with the Planning Board at their January 22, 2019 hearing and with Planning Staff subsequent to the March 7, 2019 meeting with NRPC, a shared vehicular access to the property currently identified in the Town of Milford's Assessors database as Map 6, Lot 14 is not appropriate or viable at this time. The Applicant is, however, amendable to including for potential future pedestrian connectivity between the respective properties by way of a paved sidewalk to the abutting property boundary. Per coordination with the current Owner, potential future development of Map 6, Lot 14 is anticipated to utilize the existing driveway servicing that portion of the property.



- b. General Comment Shared Parking Design. What alternatives were considered to allow for or incorporate a shared parking design between the subject parcel and adjacent commercial lot?
- Response 27b.: As discussed with the Planning Board at their January 22, 2019 hearing, the project reviewed potential alternative layout considerations, with the current version representing a more efficient use of the property while still operating within the requirements of the applicable regulations governing same. The project has been designed to provide appropriate parking and circulation for the proposed use. No information is known relative to potential development of the abutting land. Accordingly, the Applicant cannot incorporate additional design considerations for a potential future development which is not currently planned.
 - c. Please provide an internal turning radius template analysis showing the turning movements for WB 50 design vehicle.
- Response 27c: A truck movement exhibit for the proposed delivery vehicle, a WB-67 design vehicle, has been enclosed with this response.
- **Comment 28:** General Question Sections 6.07.06.F.3 and 5. Given the location of the store in proximity to residential uses in Milford and surrounding communities, what bicycle and transit facilities were considered?
- Response 28: The proposed facility is not anticipated to receive significant bicycle traffic. However, and as previously noted, a proposed sidewalk is now shown on the plans from the subject site to the Wilton Road right-of-way. In consideration comments relative to potential future upgrades to the municipal sidewalk infrastructure, the Applicant is providing the Town with a \$5,000.00 contribution towards said future municipal sidewalk improvements.
- **Comment 29:** General Comments Building Design and Elevations
 - a. Roof Form and Materials Section 6.07.E.7 of the Zoning Ordinance and the Development Regulations, Section 6.04.3 state that rooflines shall be characteristically sloped and articulated with architectural features such as dormers, chimneys, gables, cupolas, etc. Further, flat roofs are strongly discouraged unless the Planning Board finds that a proposal can provide appropriate visual appeal. In addition, rooflines shall not run in continuous planes and shall be broken into appropriately scaled masses. Please explain how the front and side roof lines of building meet these requirements. Further, please discuss what alternative building designs were considered for the location, corridor, and in context with Milford's architectural heritage.
- Response 29: As discussed with the Planning Board at the January 22, 2019 hearing and as further discussed in the response to staff comments letter prepared by our office dated January 30, 2019, the project and building elevations have been designed in consideration of the standards associated with the West Elm Street Gateway District. Architectural design elements introduced to the front façade of the building include but are not limited to a peaked roof feature at the center of the building, an awning over the main entrance, upgraded clapboard siding, color changes, the inclusion of additional architectural trim to provide visual interest to the façade, a projection of the building face at the main entrance, and decorative window panels and shutters.



The side (east) building façade is oriented such that it is angled away from Wilton Road. In consideration of discussions with the Planning Board at the January 22, 2019 hearing relative to the side (east) facing elevation, the project has proposed additional shade tree plantings along the eastern property boundary to provide additional visual buffer to the project.

Alternative architectural elevations were presented to the Board at the January 22, 2019 hearing, however were not included as part of the original application.

We trust the above is sufficient for your needs at this time and look forward to continuing our discussion with the Planning Board at their March 26, 2019 meeting. As always, please do not hesitate to contact us at 508.480.9900 should you have any additional question or wish to discuss further.

Sincerely,

BOHLER ENGINEERING

Matter KB

Matthew K. Bombaci, P.E.

Cc: Chad Brubaker, John Scribner - Lisciotti Development

Austin F. Turner

W181203 Response to Comments 3-20-19 docx





TRUCK MOVEMENT EXHIBIT

30 WILTON ROAD MILFORD, NEW HAMPSHIRE

DATE: 03/20/19





DesignLights Consortium® Qualified. Please go to www.designlights.org for the current Qualified Products List. Further details about gualified models may be found under Family Models.

FEATURES & SPECIFICATIONS

APPLICATION - The high performance luminaire is designed for area lighting applications where long life, low maintenance, and consistent color rendering is required. Areas with limited accessibility due to fixture location or where heavy pedestrian or vehicle traffic makes maintenance difficult are ideal applications such as parking lots or walkways. It is also compact and versatile enough for general purpose security lighting.

CONSTRUCTION - The heavy duty housing is constructed of extruded aluminum. The optical assemblies are sealed in place using a silicone gasket for weather tight protection. Modular LED bricks wired in parallel for ease of maintenance. ETL listed for wet locations (IP64). Additional IP66 rating available upon request.

FINISH – A Super Durable Polyester powder coat finish is electrostatically applied in our state of the art paint facility. Standard colors available: Black, Bronze, US Green, White. Custom colors available upon request.

 $\ensuremath{\mathsf{OPTICAL}}\xspace{\mathsf{SYSTEM}}$ — Made with a state of the art UV stabilized acrylic high performance refractive optical assemblies that use high transmicity materials to achieve precise photometric distributions. Available in Type II, III, IV, IV Automotive, V Medium and V Wide beam configurations. Star Light Friendly (meets or exceeds Dark Sky requirements) in the horizontal position.

ELECTRICAL SYSTEM - Available in up to a 6 brick LED system in 5000K Cool White (+/- 500K) or 4100K Neutral White color temperatures (70 CRI min.) propagated with Philips Lumileds LUXEON® T LED's or Osram equivalent. Available with 90-300V 50/60 Hz Class II power supply. LED's rated over 355,000 hours (TM21 Calculated L70) at 25°C ambient temperature with selectable 700mA, 1050mA and 1400mA operation. Lumen Maintenance >97% at 50K hrs. 347V and 480V input options available. Standard 0-10V dimming. Fixture provided with integral 10kV surge protection that meets IEEE C62.42.2-2002. Built-in Active PFC Function. LED Power Supply conforms to UL1310 Class 2 and UL8750 standards and is IP67 rated for wet locations.

MOUNTING - The fixture is designed to mount directly to a square pole. An adaptor is available for direct mount to round poles. Techlight's Quick Mount Bracket for flush mount or the Quick Mount Bracket with various arm lengths also available. All mounting options allow the Tapered Back Saber to mount at 90 degree intervals

LISTINGS - LED Power Supply listed for wet locations (IP67). LED bricks ETL listed for wet locations (IP64). Meets US and Canadian safety standards. -40°C to 50°C ambient operation. RoHS Compliant.

WARRANTY - The complete luminaire is covered by a 5-year limited warranty.

ORDERING INFORMATION

ISBT

TLWSFSP-211

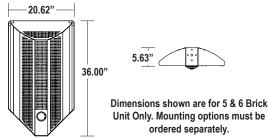
Choose the bold face options for the appropriate luminaire configuration for your application and enter on the line above each fixture attribute. Accessories may be factory installed, depending on the particular accessory chosen, but still be ordered as a separate line item.

Fixture Mount Passive Infrared Motion Senso

Catalog Number Project Туре **Tapered Back** (6] RoHS Saber LED Area Light

LSBT SERIES





Series	Housing Height	Length & Width	EPA (ft ²)
LSBT	5.63"	36.00" x 20.62"	.8

Example: LSBT6C8T5WD1-BZ OMB

fixtures

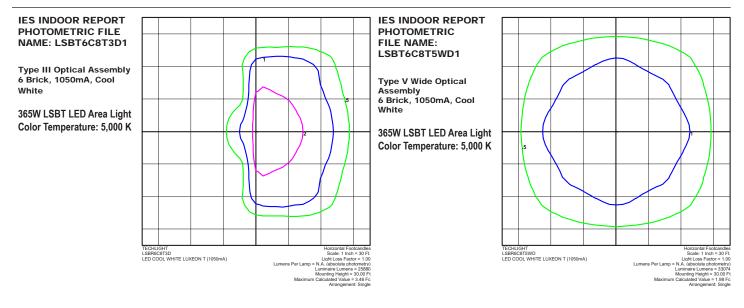
(NOTE: QMB Must Be Ordered Separately)

LSBT 1 1 2 2 3 3 4 4 5 5	f Bricks Brick C Brick N Brick Brick Brick Brick Brick Brick		# LED's per Brick 8 18 LED	T2 T3 T4 T4A T5M T5W	Optics Type II Type III Type IV Type IV Automotive Type V Medium Type V Wide	D C D F	rive Current 700mA Driver 1050mA Driver 1400mA Driver		Voltage Multi-Volt ¹ 480V 347V	L R (Le	Options Left Rotated Optics Right Rotated Optics ave Blank for ndard optics)	BK BZ GR WH SP	inish Black Bronze US Gree White Special
	2000 Lumen/90 Quick Mount Br Quick Mount Br Quick Mount Br	s separate line items) Minute Battery Back-Up acket - Flush, No Arm acket with 2" Straight Arm acket with 8" Straight Arm acket with 10" Straight Arm	TLWSFSIR-100 TLWSFSP-L2 TLWSFSP-L3 TLWSFSP-L3	CLENSES C Remote H 360° lens, 360° lens,	Iype V Medium Type V Wide Ordered Separately) andheld Sensor Configur maximum coverage 48' di maximum coverage 48' di	ameter fi	from 8' height rom 20' height NOTE		is an auto ranni		ndard optics) er supply from 90V	to 300V int	suf
RPASSA IP66 ³ LEDOPTIC-W LEDOPTIC-B	Round Pole Mon Additional IP66 Spill Light Elimi	unt Adaptor for Direct Mounting Fixture Rating	TLWSFSP-L7 PPCR/D7 PTLJP-275 PC2	360° lens, 7-Pin Twis 7-Pin Rec	maximum coverage to the maximum coverage 100'di st-Lock Photocell Recepta eptacle Shorting Cap st-Lock Photocell	ameterf	rom40'height 2 Cu I C136.41 re	ustom F present	AL color matchi ative for addition	ng is av nal infor	ailable. Contact yo	ur Techligh	it sale

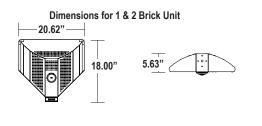
Multi-Tap (105-285V) Twist-Lock Photocell

PC6

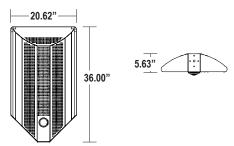
PHOTOMETRICS



ADDITIONAL FIXTURE DIMENSIONS



Dimensions for 5 & 6 Brick Unit





LUMINAIRE CHARACTERISTICS

Cool White (5000K) 700 mA Drive Current

# of LED	# of LEDs	Color		Dinto G		Lumens			System	L70			Ampera	ge Draw		
Bricks	per Brick	Temp	TYPE II	TYPE III	TYPE IV	TYPE 4A	TYPE 5M	TYPE 5W	Wattage	@ 25°C	120V	208V	240V	277V	347V	480V
1 BRICK	18	CW	4056	3993	4041	3992	4014	4065	41	>495K	.35 A	.20 A	.18 A	.15 A	.12 A	.09 A
I DRICK	10	CVV	B2 U0 G1	B2 U0 G1	B2 U0 G1	B1 U0 G1	B2 U0 G1	B3 U0 G1	41	>495N	.55 A	.20 A	.10 A	. IS A	. 12 A	.09 A
2 BRICK	18	CW	8111	7987	8081	7983	8027	8130	81	>495K	.68 A	.39 A	.34 A	.30 A	.24 A	.17 A
2 DRICK	10	CVV	B3 U0 G2	B3 U0 G2	B3 U0 G2	B2 U0 G1	B3 U0 G1	B4 U0 G2	01	>495N	.00 A	.39 A	.54 A	.30 A	.24 A	.17 A
	BRICK 18 (CW	12167	11980	12122	11975	12041	12195	122	>495K	1.02 A	.59 A	.51 A	.45 A	.36 A	.26 A
3 DRICK	10	CVV	B3 U0 G2	B3 U0 G2	B3 U0 G2	B3 U0 G2	B3 U0 G1	B4 U0 G2	122	>495N	1.02 A	.39 A	.STA	.45 A	.30 A	.20 A
4 BRICK	18	CW	16222	15974	16162	15967	16054	16260	162	>495K	1.35 A	.78 A	.68 A	.59 A	.47 A	.34 A
4 DRICK	10	CVV	B4 U0 G2	B4 U0 G3	B4 U0 G3	B3 U0 G2	B4 U0 G2	B5 U0 G3	102	>493N	1.55 A	.70 A	.00 A	.39 A	.47 A	.54 A
	10	CW	20278	19967	20203	19959	20068	20325	203	>495K	1.70 A	.98 A	.85 A	.74 A	.59 A	.43 A
2 DRICK	BRICK 18	CVV	B4 U0 G3	B4 U0 G3	B4 U0 G3	B3 U0 G2	B4 U0 G2	B5 U0 G3	205	>493N	1.70 A	.90 A	A CO.	./4 A	.39 A	.45 A
	6 BRICK 18 CV	CW	24334	23961	24243	23950	24081	24390	243	>495K	2.03 A	1.17 A	1.02 A	.88 A	.71 A	.51 A
0 DRICK		CVV	B4 U0 G3	B4 U0 G4	B4 U0 G4	B3 U0 G3	B5 U0 G2	B5 U0 G4	245	>495N	2.05 A	1.17 A	1.02 A	.00 A	./1A	.STA

Cool White (5000K) 1050 mA Drive Current

# of LED	# of LEDs	Color			Delivered	l Lumens			System	L70			Ampera	ge Draw		
Bricks	per Brick	Temp	TYPE II	TYPE III	TYPE IV	TYPE 4A	TYPE 5M	TYPE 5W	Wattage	@ 25°C	120V	208V	240V	277V	347V	480V
1 BRICK	18	CW	5505	5421	5484	5505	5448	5518	61	>425K	.51 A	.30 A	.26 A	.23 A	.18 A	.13 A
IDRICK	10	CVV	B2 U0 G1	B2 U0 G1	B2 U0 G1	B2 U0 G1	B2 U0 G1	B3 U0 G2	01	>423N	.STA	.50 A	.20 A	.25 A	. 10 A	. IS A
2 BRICK	18	CW	11010	10841	10969	11010	10896	11035	122	>425K	1.02 A	.59 A	.51 A	.45 A	.36 A	.26 A
2 DRICK	10	CVV	B3 U0 G2	B3 U0 G2	B3 U0 G2	B3 U0 G2	B3 U0 G1	B4 U0 G2	122	>423N	1.02 A	.39 A	.STA	.45 A	.30 A	.20 A
3 BRICK	18	CW	16514	16262	16453	16515	16343	16553	183	>425K	1.53 A	.88 A	.77 A	.67 A	.53 A	.39 A
5 DRICK	10	CVV	B4 U0 G2	B4 U0 G3	B4 U0 G3	B3 U0 G2	B4 U0 G2	B5 U0 G3	100	>423N	1.55 A	.00 A	.// A	.07 A	.35 A	.39 A
4 BRICK	18	CW	22019	21682	21938	22020	21791	22070	244	>425K	2.04 A	1.18 A	1.02 A	.89 A	.71 A	.51 A
4 DRICK	10	CVV	B4 U0 G3	B4 U0 G3	B4 U0 G3	B3 U0 G3	B4 U0 G2	B5 U0 G4	244	>423N	2.04 A	1.10 A	1.02 A	.09 A	./ 1 A	.STA
	10	CW	27524	27103	27422	27525	27239	27588	304	>425K	2.54 A	1.47 A	1 77 4	1 10 4	.88 A	.64 A
2 DRICK	3RICK 18	CW	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G3	B5 U0 G2	B5 U0 G4	304	>4251	2.54 A	1.47 A	1.27 A	1.10 A	.88 A	.04 A
	5 BRICK 18 CV	CM	33029	32523	32906	33030	32687	33106	265	> 1251/	2.05.4	176 4	1 5 2 4	1 22 4	1.00 1	77 4
O BRICK		CW	B5 U0 G4	B5 U0 G4	B5 U0 G4	B4 U0 G3	B5 U0 G3	B5 U0 G4	365	>425K	3.05 A	1.76 A	1.53 A	1.32 A	1.06 A	.77 A

Cool White (5000K) 1400 mA Drive Current

# of LED	# of LEDs	Color			Delivered	l Lumens			System	L70			Ampera	ge Draw		
Bricks	per Brick	Temp	TYPE II	TYPE III	TYPE IV	TYPE 4A	TYPE 5M	TYPE 5W	Wattage	@ 25°C	120V	208V	240V	277V	347V	480V
1 BRICK	18	CW	7932	7813	7908	7946	7859	7948	87	>355K	.73 A	.42 A	.37 A	.32 A	.26 A	.19 A
IDRICK	10	CVV	B3 U0 G2	B3 U0 G2	B3 U0 G2	B2 U0 G1	B3 U0 G1	B3 U0 G2	0/	>>>>v	./ S A	.42 A	.57 A	.5Z A	.20 A	.19 A
2 BRICK	18	CW	15864	15626	15816	15892	15718	15896	174	>355K	1.45 A	.84 A	.73 A	.63 A	.51 A	.37 A
2 DRICK	10	CVV	B3 U0 G2	B3 U0 G2	B3 U0 G2	B3 U0 G2	B4 U0 G2	B4 U0 G2	1/4	>222V	1.43 A	.04 A	.75 A	.05 A	.JTA	.57 A
3 BRICK	ICK 18 CW	CM	23796	23439	23724	23838	23577	23844	261	>355K	2.18 A	1.26 A	1.09 A	.95 A	.76 A	.55 A
3 DRICK	10	CVV	B4 U0 G3	B4 U0 G3	B4 U0 G3	B3 U0 G2	B4 U0 G2	B5 U0 G3	201	>>>>v	2.10 A	1.20 A	1.09 A	.95 A	.70 A	
4 BRICK	18	CW	31728	31252	31632	31784	31436	31792	348	>355K	2.90 A	1.68 A	1.45 A	1.26 A	1.01 A	.73 A
4 DRICK	10	CVV	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G3	B5 U0 G2	B5 U0 G4	540	>222V	2.90 A	1.00 A	1.45 A	1.20 A	1.01 A	./ S A
5 BRICK	18	CW	39660	39065	39540	39730	39295	39740	435	>355K	3.63 A	2.10 A	1.82 A	1.58 A	1.26 A	.91 A
2 DRICK	10	CVV	B5 U0 G4	B5 U0 G4	B5 U0 G4	B4 U0 G3	B5 U0 G3	B5 U0 G5	455	лссс<	5.05 A	2.10 A	1.0Z A	1.30 A	1.20 A	.91A
	6 BRICK 18 CV	CM	47592	46878	47448	47676	47154	47688	522	> 2554	4.25.4	2.51.4	⊃ 10 A	1.00 A	1 5 1 4	1.00.4
O BRICK		CW	B5 U0 G4	B5 U0 G5	B5 U0 G5	B4 U0 G3	B5 U0 G3	B5 U0 G5	522	>355K	4.35 A	2.51 A	2.18 A	1.89 A	1.51 A	1.09 A

WARNING: Maintenance performed including the replacement of LED bricks while power is still supplied to the lumenaire may result in system failures and will void the warranty.

LUMINAIRE CHARACTERISTICS CONTINUED

Neutral White (4100K) 700 mA Drive Current

# of LED	# of LEDs	Color			Delivered	d Lumens			System	L70			Ampera	ge Draw		
Bricks	per Brick	Temp	TYPE II	TYPE III	TYPE IV	TYPE 4A	TYPE 5M	TYPE 5W	Wattage	@ 25°C	120V	208V	240V	277V	347V	480V
1 BRICK	18	NW	5160	5081	5141	5078	5107	5172	41	>495K	.35 A	.20 A	.18 A	.15 A	.12 A	.09 A
2 BRICK	18	NW	10320	10161	10281	10157	10212	10343	81	>495K	.68 A	.39 A	.34 A	.30 A	.24 A	.17 A
3 BRICK	18	NW	15478	15242	15421	15235	15318	15515	122	>495K	1.02 A	.59 A	.51 A	.45 A	.36 A	.26 A
4 BRICK	18	NW	20638	20322	20561	20313	20425	20686	162	>495K	1.35 A	.78 A	.68 A	.59 A	.47 A	.34 A
5 BRICK	18	NW	25798	25402	25701	25391	25530	25857	203	>495K	1.70 A	.98 A	.85 A	.74 A	.59 A	.43 A
6 BRICK	18	NW	30957	30483	30842	30470	30636	31029	243	>495K	2.03 A	1.17 A	1.02 A	.88 A	.71 A	.51 A

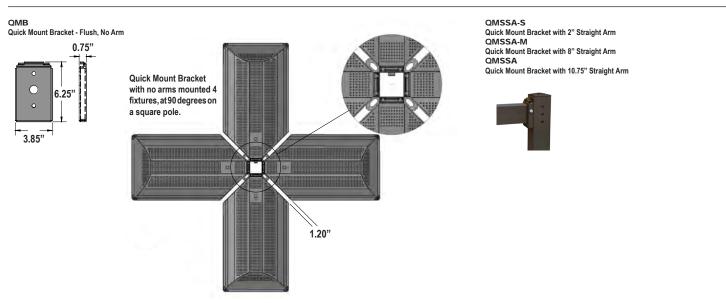
Neutral White (4100K) 1050 mA Drive Current

# of LED	# of LEDs	Color	Delivered Lumens						System	L70	Amperage Draw					
Bricks	per Brick	Temp	TYPE II	TYPE III	TYPE IV	TYPE 4A	TYPE 5M	YPE 5M TYPE 5W Wattage @	@ 25°C	120V	208V	240V	277V	347V	480V	
1 BRICK	18	NW	7004	6897	6978	6893	6931	7020	61	>425K	.51 A	.30 A	.26 A	.23 A	.18 A	.13 A
. Dineit																
	2 BRICK 18	NW	14007	13792	13955	13786	13861	14039	122	>425K	1.02 A	.59 A	.51 A	.45 A	.36 A	.26 A
2 DIVICI																
3 BRICK	18	NW	21010	20689	20932	20680	20793	21059	183	>425K	1.53 A	.88 A	.77 A	.67 A	.53 A	.39 A
J DIVICI										27ZJK						
4 BRICK	18	NW	28013	27584	27909	27572	27723	28078	244	>425K	2.04 A	1.18 A	1.02 A	.89 A	.71 A	.51 A
4 DRICK	10	INVV							244	242JN						
5 BRICK	18	NW	35016	34480	34886	34465	34653	35098	304	>425K	2544	1.47 A	1.27 A	1.10 A	.88 A	.64 A
2 DRICK	Ið	IN VV								>423N	2.54 A					
	10	NW	42019	41376	41863	41357	41584	42117	365	>425K	2.05.4	1764	1.53 A	1.32 A	1.06 A	.77 A
ODRICK	6 BRICK 18										3.05 A	1.76 A				

Neutral White (5000K) 1400 mA Drive Current

# of LED	# of LEDs	Color	Delivered Lumens					System	L70	Amperage Draw						
Bricks	Bricks per Brick	Temp	TYPE II	TYPE III	TYPE IV	TYPE 4A	TYPE 5M	TYPE 5W	Wattage	@ 25°C	120V	208V	240V	277V	347V	480V
1 BRICK	1 BRICK 18	NW	8402	8271	8371	8281	8319	8415	87	>355K	.73 A	.42 A	.37 A	.32 A	.26 A	.19 A
1 Druck										× 555K						
2 BRICK	18	NW	16804	16543	16743	16561	16638	16829	174	>355K	1.45 A	.84 A	.73 A	.63 A	.51 A	.37 A
2 DRICK																
	10	NW	25209	24814	25113	24843	24962	25248	261	> 255K	2 10 4	1.20 4	1.09 A	.95 A	.76 A	.55 A
3 BRICK	18	INVV								>355K	2.18 A	1.26 A				
	10	AUA/	33608	33085	33487	33122	33275	33656	240	2551	2.00.4	1 (0)	1 45 4	1.204	1.01.4	72.4
4 BRICK	18	NW							348	>355K	2.90 A	1.68 A	1.45 A	1.26 A	1.01 A	.73 A
5 DDICK	10		42010	41363	41851	41398	41595	42071	435	>355K	3.63 A	2.10 A	1.82 A	1.58 A	1.26 A	.91 A
5 BRICK	18	NW														
()) ()	6 BRICK 18	NW	50417	49627	50227	49686	49922	50521	522	>355K			2.18 A	1.89 A	1.51 A	1.09 A
6 BRICK											4.35 A	2.51 A				

MOUNTING ACCESSORIES

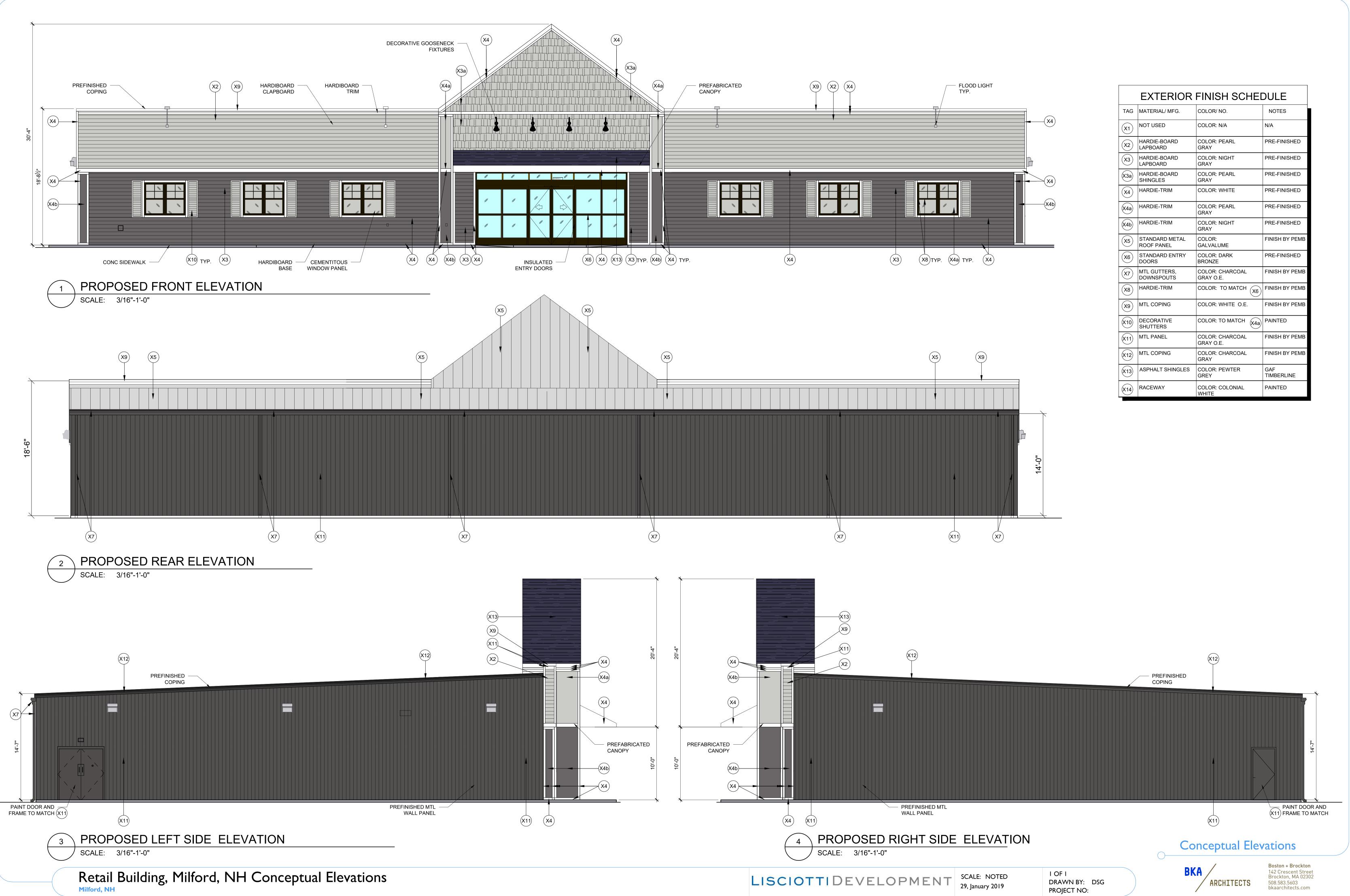


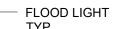
RPASSA Round Pole Mount Adaptor for Direct Mounting





Techlight, Inc. 2707 Satsuma Drive Dallas, TX, 75229 Phone: 214-350-0591, 800-225-0727, Fax: 214-350-9137 www.techlight.com





	EXTERIOR	FINISH SCHEI	DULE
TAG	MATERIAL/ MFG.	COLOR/ NO.	NOTES
(X1)	NOT USED	COLOR: N/A	N/A
X2	HARDIE-BOARD LAPBOARD	COLOR: PEARL GRAY	PRE-FINISHED
X3	HARDIE-BOARD LAPBOARD	COLOR: NIGHT GRAY	PRE-FINISHED
X3a	HARDIE-BOARD SHINGLES	COLOR: PEARL GRAY	PRE-FINISHED
X4	HARDIE-TRIM	COLOR: WHITE	PRE-FINISHED
X4a	HARDIE-TRIM	COLOR: PEARL GRAY	PRE-FINISHED
X4b	HARDIE-TRIM	COLOR: NIGHT GRAY	PRE-FINISHED
X5	STANDARD METAL ROOF PANEL	COLOR: GALVALUME	FINISH BY PEMB
X6	STANDARD ENTRY DOORS	COLOR: DARK BRONZE	PRE-FINISHED
X7	MTL GUTTERS, DOWNSPOUTS	COLOR: CHARCOAL GRAY O.E.	FINISH BY PEMB
X8	HARDIE-TRIM	COLOR: TO MATCH (X6)	FINISH BY PEMB
X 9	MTL COPING	COLOR: WHITE O.E.	FINISH BY PEMB
×10	DECORATIVE SHUTTERS	COLOR: TO MATCH X4a	PAINTED
X11	MTL PANEL	COLOR: CHARCOAL GRAY O.E.	FINISH BY PEMB
(X12)	MTL COPING	COLOR: CHARCOAL GRAY	FINISH BY PEMB
×13	ASPHALT SHINGLES	COLOR: PEWTER GREY	GAF TIMBERLINE
×14)	RACEWAY	COLOR: COLONIAL WHITE	PAINTED