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PROPOSED



1. THE CONTRACTOR SHALL MAINTAIN EMERGENCY ACCESS TO ALL AREAS AFFECTED BY HIS WORK AT ALL TIMES.
2. THE CONTRACTOR SHALL VERIFY ALL SURVEY INFORMATION IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
3. EXISTING UTILITY SERVICES TO BE DISCONTINUED ARE TO BE CAPPED AS REQUIRED BY THE RESPECTIVE UTILITY COMPANIES.
4. ALL DEMOLITION AND CONSTRUCTION DEBRIS SHALL BE REMOVED FROM SITE AND DISPOSED OF IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.
5. CONTRACTOR TO LIMIT AREA OF DISTURBANCE DURING CONSTRUCTION.
6. CONTRACTOR TO INSTALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE WORK.
7. ALL WORK PERFORMED ON BEHALF OF THIS PROJECT, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, LATEST ADDENDUMS AND DETAILS, LATEST ADDITIONAL SPECIFICATIONS AND DETAILS, AND THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR WATERWAY STRUCTURES, LATEST ADDENDUMS AND DETAILS, AND THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR AIRPORTS, LATEST ADDENDUMS AND DETAILS.

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1. ALL WORK SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS OF THE TOWN OF BURLINGTON. ALL WORK SHALL BE BUILT IN A WORKMANLIKE MANNER IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIMSELF WITH THE SITE AND ALL SURROUNDING CONDITIONS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING AND DETERMINING THE LOCATION, SIZE AND DEPTH OF ALL UTILITIES, SHOW OR NOT SHOW ON THE PLANS, PRIOR TO THE START OF ANY CONSTRUCTION. THE ENGINEER SHALL BE KEPT INFORMED OF ANY UTILITIES FOUND TO DIFFER FROM THE INFORMATION PROVIDED BY THE UTILITY PROVIDER. ANY REMEDIATION ACTION, AFTER 14 DAYS TO BE BY THE ENGINEER BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE PROTECTION OR REDUCTION OF UTILITIES IS ULTIMATELY THE RESPONSIBILITY OF THE CONTRACTOR.
4. THE CONTRACTOR SHALL COORDINATE MATERIALS AND INSTALLATION SPECIFICATIONS WITH THE INDIVIDUAL UTILITY AGENCIES/COMPANIES. THE CONTRACTOR SHALL PROVIDE ALL TYPICAL SECTIONS AND DETAILS SHOWN ON THE PLANS, AND SHALL MEET LOCAL STANDARDS AND THE REQUIREMENTS OF THE LATEST NHD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGE CONSTRUCTION AND THE NHD STANDARD SPECIFICATIONS FOR LANDSCAPE ARCHITECTURE (8/1/13).
5. STORM DRAINAGE SYSTEM SHALL BE CONSTRUCTED TO LINE AND GRADE AS SHOWN ON THE PLANS. CONSTRUCTION METHODS SHALL CONFORM TO NHD STANDARD SPECIFICATIONS, SECTION 603. CATCH BASINS SHALL BE CONSTRUCTED TO MEET THE REQUIREMENTS OF THE NHD STANDARD SPECIFICATIONS. TYPE B AND CONFORM TO NHD STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE NOTED.
6. ALL MANHOLES IN PAVEMENT SHALL HAVE RIMS SET TO FINISH GRADE REGARDLESS OF ANY ELEVATION CHANGES TO THE FINISH GRADE.
7. ALL ELEVATIONS SHOWN ON CURBS ARE TO THE BOTTOM OF CURB UNLESS NOTED. CURBS HAVE A 6" REVEAL UNLESS OTHERWISE NOTED.
8. ALL EXCAVATIONS SHALL BE THOROUGHLY SECURED ON A DAILY BASIS BY THE CONTRACTOR AT THE COMPLETION OF EACH DAY'S WORK. THE CONTRACTOR SHALL NOT TRANSPORT INVASIVE SPECIES OFF THE PROPERTY, AND SHALL DISPOSE OF INVASIVE SPECIES ON-SITE IN A LEGAL MANNER.
9. THE SITE CONTRACTOR SHALL PREPARE, MANAGE, AND EXECUTE A SWPPP, IN ACCORDANCE WITH EPA REGULATIONS AND THE CONSTRUCTION GENERAL PERMIT.
10. THE SITE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO SUBMIT AN O&M AT LEAST 14 DAYS TO THE DATE OF COMPLETION OF THE PROJECT.

1. ALL PROPOSED UTILITY WORK, INCLUDING MATERIAL, INSTALLATION, TERMINATION, EXCAVATION, BEDDING, BACKFILL, COMPACTION, TESTING, CONNECTIONS, AND CONSTRUCTION SHALL BE COORDINATED WITH THE UTILITY COMPANIES, AND SHALL COMPLY WITH THE REQUIREMENTS, CODES, AND STANDARDS OF ALL CORRESPONDING UTILITY ENTITIES AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND DETERMINING THE LOCATION, SIZE, AND ELEVATION OF ALL EXISTING UTILITIES, SHOWN OR NOT SHOWN ON THESE PLANS AND THE PART OF THE EAST SIDE OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WRITING OF ANY UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION AND FOR THE PROTECTION OF ANY UTILITIES NOT DISCOVERED BY THE ENGINEER BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT "DIGSAFE" (811) AT LEAST 72 HOURS BEFORE BEGINNING.
3. COORDINATE ALL WORK ADJACENT TO PROPOSED BUILDINGS WITH ARCHITECTURAL BUILDING DRAWINGS, CONFORM UTILITY PENETRATIONS AND INVERT ELEVATIONS ARE COORDINATED PER TO INSTALLATION.
4. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES, OWNERS, UTILITIES, EITHER ABOVE OR UNDERGROUND, WITHIN THE CONSTRUCTION AREA, SHALL COORDINATE AS NECESSARY WITH THE UTILITY COMPANIES OF SAID UTILITIES, THE PROTECTION OR RELOCATION OF ANY UTILITIES, AND THE PROTECTION OF ANY EXISTING CONSTRUCTION.
5. THE EXACT LOCATION OF NEW UTILITY CONNECTIONS SHALL BE DETERMINED BY THE CONTRACTOR IN COORDINATION WITH UTILITY COMPANY, COUNTY AGENCY, AND/OR PRIVATE UTILITY COMPANIES.
6. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL MANHOLES, BOXES, FITTINGS, CONNECTORS, COVER PLATES, AND OTHER MISCELLANEOUS ITEMS NOT SPECIFICALLY IDENTIFIED IN THESE DRAWINGS TO PROVIDE THE UTILITY INSTALLATION COMPLETE AND OPERATIONAL.
7. ALL UTILITY COMPANIES REQUIRE INDIVIDUAL CONDUITS, CONTRACTOR TO COORDINATE WITH UTILITIES, DETERMINE THE LOCATION, DEPTH, AND COVER, SIZE, AND TYPE OF CONDUITS REQUIRED PER TO INSTALLATION OF ANY CONDUIT.
8. SANITARY SEWER SHALL BE CONSTRUCTED TO THE STANDARDS AND SPECIFICATIONS OF THE SANITARY SEWER PLANS AND FITTING SHALL BE 15" PVC SCHEDULE 40S, CONFORM TO ASTM F 679 (SD 15" MINIMUM), AND 18" AND 24" SHALL BE CONFORM TO ASTM F 679 (SD 6" MINIMUM). RISES EXCEEDING 150' SANITARY MANHOLES SHALL, CONFORM TO INDIANAPOLIS DEPARTMENT OF ENGINEERING BUREAU STANDARDS AND SPECIFICATIONS SHOWN HEREON.
9. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONDUIT AND WIRING TO ALL SIGNS AND EQUIPMENT TO BE INSTALLED IN THE CONSTRUCTION AREA.
10. ALL PROPOSED UTILITIES SHALL BE CONSTRUCTED AND ALL UNDERGROUND CONDUITS SHALL HAVE NYLON PLUMP ROPES.
11. THE CONTRACTOR SHALL ARRANGE AND PAY FOR ALL INSPECTIONS, TESTING AND RELATED REPORTS AND SUBMIT COPIES OF ACCEPTANCE TO THE OWNER, UNLESS OTHERWISE INDICATED.
12. PROVIDE PERMANENT PAYMENT RETAIN FOR ALL UTILITY TRENCHES IN EXISTING ROAD OR DRIVEWAY. PROVIDE PERMANENT PAYMENT RETAIN FOR ALL UTILITY TRENCHES IN DRIVEWAYS TO MATCH EXISTING PAVEMENT. OBTAIN ALL PERMITS REQUIRED FOR TRENCHING.
13. UNLESS OTHERWISE SPECIFIED, ALL UNDERGROUND STRUCTURES, PIPES, CHAMBERS, ETC., SHALL BE COVERED WITH A MINIMUM OF 18" OF COMPACTED SOIL BEFORE EXPOSURE TO TRAFFIC.

TAX MAP J LOT 53

OWNED BY

SCALE, NTS

APRIL 17, 2020



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CONSTRUCTION GENERAL PERMIT

1. THE OWNER, IN CONJUNCTION WITH THE CONTRACTOR (OPERATORS), NEEDS TO OBTAIN A CONSTRUCTION GENERAL PERMIT (COP) FOR LARGE CONSTRUCTION ACTIVITIES (ONE OR MORE ACRES) OR SMALL CONSTRUCTION ACTIVITIES (GREATER THAN ONE ACRE BUT LESS THAN FIVE ACRES) FROM THE ENVIRONMENTAL PROTECTION AGENCY (EPA) AS PART OF THE COP. A STORM WATER NOTICE OF INTENT (NOI) WILL NEED TO BE SUBMITTED TO THE EPA AT LEAST 7 DAYS PRIOR TO COMMENCING CONSTRUCTION. THE NOI WILL NEED TO BE SUBMITTED TO STORM WATER NOTICE OF INTENT (4030M), USEPA, 1200 PENNSYLVANIA AVE., NW, WASHINGTON, DC 20060.
2. THE COP OUTLINES A SET OF PROVISIONS MANDATING THE OWNER AND CONTRACTOR TO COMPLY WITH THE REQUIREMENTS OF THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER REGULATIONS, INCLUDING, BUT NOT LIMITED TO, STORM WATER POLLUTION PREVENTION PLANS (SWPPP), IMPLEMENTATION OF EROSION AND SEDIMENTATION CONTROLS, EQUIPMENT MAINTENANCE GUIDELINES, ETC. PLEASE CONTACT US FOR ASSISTANCE WITH OBTAINING A CONSTRUCTION GENERAL PERMIT AT 603-554-9645 OR AT WWW.EPA.GOV/NPDES/STORMWATER FOR ADDITIONAL INFORMATION. IN ADDITION, ONE CAN CONTACT ANY SWAMP OF NEW ENGLAND'S EPA REGION 1 AT 617-918-1641.

STORMWATER MANAGEMENT NOTES

1. IT IS BEING PROPOSED TO CONSTRUCT A SINGLE STORY 2,000 SQ. FT. RETAIL AND STORAGE STRUCTURE, AND A SINGLE STORY 2,000 SQ. FT. OFFICE STRUCTURE.
2. TOTAL SITE AREA: 2,616.4 AC.
TOTAL AREA OF DISTURBANCE: 2,412 AC.
3. SOILS SHOWN ARE FROM THE SOIL SURVEY OF HILLSBOROUGH COUNTY, NH, EASTERN PART, PREPARED BY USDA-SOIL CONSERVATION SERVICES.
HUB = HEAVILY LOAMY SAND, 3-8% SLOPES
HUB = HEAVILY LOAMY SAND, 10-30% SLOPES
PA = PISTONITE LOAMY SAND, 0-3% SLOPES
4. STORM WATER DRAINAGE SYSTEM IS SHOWN ON THE PLAN. SEE GRADING & DRAINAGE PLAN FOR RUN, INVERT, PIPE LENGTH AND SLOPE INFORMATION.
POST-CONSTRUCTION RUNOFF COEFFICIENT C=0.58
INTERVENING SURFACE AREA: 1,611.4 AC.
5. STABILIZATION PRACTICES FOR EROSION AND SEDIMENTATION CONTROLS:
TEMPORARY STABILIZATION - TOPSOIL STOCKPILES AND DISTURBED AREAS OF THE CONSTRUCTION SITE THAT WILL NOT BE RESTORED FOR 14 DAYS OR MORE MUST BE STABILIZED BY THE 14TH DAY AFTER THE LAST DISTURBANCE. TEMPORARY SEED SHALL BE ANNUAL GRASS APPLIED AT THE RATE OF 1.1 LBS PER 1,000 SQUARE FEET. PRIOR TO SEEDING, A MINIMUM OF 2 TONS PER ACRE OF AGRICULTURAL LIME SHALL BE APPLIED AT THE RATE OF 10-20 TONS PER ACRE OF FERTILIZER SHALL BE APPLIED. AFTER SEEDING, EACH AREA SHALL BE MULCHED WITH 1.5 TONS PER ACRE OF HAY MULCH. MULCH TO BE ANCHORED IN PLACE WHERE NECESSARY. WIRE AND FENCE ARE TO BE MAINTAINED TO BE TEMPORARILY STABILIZED BY EROSION CONTROL MATS AND A STONE SUB-BASE. ANNUAL EQUIPMENT PAYMENT CAN BE APPLIED. CALCIUM CHLORIDE SHALL BE USED FOR DUST CONTROL, IF NEEDED.
PERMANENT STABILIZATION - DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASE SHALL BE STABILIZED WITH PERMANENT SEED NO LATER THAN 1 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. THE PERMANENT SEED MIX SHALL CONSIST OF 0.45 LBS/1,000 S.F. TALL FESCUE, 0.20 LBS/1,000 S.F. ORNAMENTAL RED FESCUE, AND 0.35 LBS/1,000 S.F. BROODSTOCK TREFOIL. PRIOR TO SEEDING, A MINIMUM OF 2 TONS PER ACRE OF AGRICULTURAL LIME AND 100 LBS PER ACRE OF FERTILIZER SHALL BE APPLIED. AFTER SEEDING, EACH AREA SHALL BE MULCHED WITH 1.5 TONS PER ACRE OF HAY MULCH. MULCH TO BE ANCHORED IN PLACE WHERE NECESSARY.
6. STRUCTURAL PRACTICES FOR EROSION AND SEDIMENTATION CONTROL:
SILT SOCK - WILL BE CONSTRUCTED ALONG THE PERIMETER OF THE DISTURBED AREAS AND WILL DELINEATE THE LIMITS OF WORK FOR THE PROPOSED CONSTRUCTION. THE SILT SOCK WILL BE INSTALLED BY OTHERS. PILES SHALL BE USED WITH AT LEAST 6 INCHES OF THE POST BARGE BELOW THE GROUND SURFACE TO PREVENT THE SILT SOCK FROM FORMING GAPS WHEN THE GROUND SURFACE RUNOFF WILL FLOW THROUGH THE OPENINGS IN THE SILT SOCK WHILE RETAINING THE SEDIMENT WITHIN THE CONSTRUCTION AREA.

STABILIZED CONSTRUCTION ENTRANCE - WILL BE INSTALLED IN ACCORDANCE WITH THE DETAIL AT THE ENTRANCE TO THE CONSTRUCTION SITE TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS OFF THE SITE. THE STABILIZED ENTRANCE WILL BE 20' WIDE AND 18" DEEP AT THE ENTRANCE TO THE PAVED ROAD AND HAVE A DEPTH OF 12 INCHES OF STONE. THE STABILIZED ENTRANCE SHALL BE MAINTAINED UNTIL THE REMAINDER OF CONSTRUCTION SITE HAS BEEN FULLY STABILIZED. THE PAVED STREET ADJACENT TO THE SITE SHALL BE SWEEP ON A WEEKLY BASIS TO REMOVE EXCESS MUD AND DIRT FROM BEING TRACKED FROM THE SITE. TRUCKS HAULING MATERIAL TO AND/OR FROM THE SITE SHALL BE COVERED WITH A TARPULIN.

CATCH BASINS - WILL BE CLEANED ON AN ANNUAL BASIS TO REMOVE ALL SEDIMENTS FROM THE CATCH BASIN SLUICES.

CATCH BASIN PROTECTION - WILL BE INSTALLED AT ALL CATCH BASINS WITHIN THE CONSTRUCTION AREA. FILTER FABRIC WILL BE INSTALLED ALONG THE GRATES OF CATCH BASINS THAT ARE LOCATED IN THE TRAVEL WAY AND STONE/FILTER FABRIC PROTECTION WILL BE INSTALLED AT THE CATCH BASINS FOUND WITHIN THE PARKING AREA AND GRASS.

BLANKET SOIL PROTECTION - SHALL BE INSTALLED ON ALL 2:1 SLOPES OR STEEPER ON SITE. ANCHOR THE TOP OF THE BLANKET BY ANCHORING THE BLANKET IN A 4" DEEP TRENCH, BACKFILL AND COMPACT TRENCH AFTER STAKING. ROLL THE BLANKET IN THE DIRECTION OF STORM WATER FLOW. WHERE 2 OR MORE STRIPS OF BLANKET ARE REQUIRED, A MINIMUM OF 4" OF OVERLAP SHALL BE PROVIDED.

STONE CHECK DAMS - WILL BE INSTALLED IN EXISTING AND PROPOSED GRASS SLOPES TO REDUCE THE VELOCITY OF CONCENTRATED STORM WATER FLOWS AND PREVENT EROSION OF THE SHALE.

7. STORM WATER MANAGEMENT

STORM WATER DRAINAGE FOR DEVELOPED AREAS WILL BE COLLECTED BY A PIPE AND CATCH BASIN CLOSED DRAINAGE SYSTEM. APPROXIMATELY 0.35 ACRES OF THE 2.61 AC SITE WILL REMAIN UNOCCUPIED AND IN ITS NATURAL STATE.

ALL CONSTRUCTION DEBRIS AND WASTE MATERIALS SHALL BE COLLECTED AND STORED IN SECURE DUMPSTERS OR APPROVED ENCLOSURE AND REMOVED FROM THE SITE ON A WEEKLY BASIS. NO CONSTRUCTION WASTE SHALL BE BURIED ON SITE. PORTABLE TOILET SANITARY WASTE FLUIDS WILL BE PROVIDED DURING CONSTRUCTION AND MAINTAINED/PROPOSED ON A REGULAR BASIS IN ACCORDANCE WITH TOWN AND STATE REGULATIONS.

A LIST OF CONSTRUCTION ITEMS AND OTHER PRODUCTS USED ON THIS PROJECT SHALL BE KEPT ON RECORD WITH THIS PLAN ON SITE. ALL CHEMICALS, PETROLEUM PRODUCTS AND OTHER MATERIALS USED DURING CONSTRUCTION SHALL BE STORED IN A SECURE AREA, AND PRECAUTIONS USED TO PREVENT POTENTIAL SOURCES OF CONTAMINATION OR POLLUTION. ANY SPILL OF THESE TYPES OF SUBSTANCES SHALL BE CLEANED UP AND DISPOSED OF IN A LEGAL MANNER AS SPECIFIED BY STATE REGULATIONS AND THE MANUFACTURER. ANY SPILL IN EXCESS OF 10 GALLONS OF ANY SUBSTANCE QUANTITY AS DEFINED BY THE EPA SHALL HAVE THE FOLLOWING STEPS:
-NOTIFY THE NATIONAL RESPONSE CENTER IMMEDIATELY AT (800) 424-8802 IN WASHINGTON, D.C. (202) 426-2675.
-WITHIN 14 DAYS, SUBMIT A WRITTEN DESCRIPTION OF THE RELEASE TO THE EPA REGIONAL OFFICE PROVIDING THE DATE AND CIRCUMSTANCES OF THE RELEASE AND THE STEPS TO BE TAKEN TO PREVENT ANOTHER RELEASE.
-NOTIFY THE POLLUTION PREVENTION PLAN TO INCLUDE THE INFORMATION LISTED ABOVE.

6. SOIL HOUSEKEEPING:
THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED DURING THE CONSTRUCTION PROJECT:
-AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
-ALL MATERIALS STORED ON SITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND NOT IN EXCESS OF 100 LBS PER ACRE OR OTHER EQUIPMENT.
-PRODUCTS WILL NOT BE STORED IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABELS.
-SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
-WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
-MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
-TINNY DUMPSTERS SHALL BE GASETTED OR HAVE A SECURE WATERHOLD LID AND BE PLACED AWAY FROM STORMWATER CONTINGENCES AND DRAINS.
-THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ON SITE.



HAZARDOUS PRODUCTS

THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.
-PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT REUSABLE.
-ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT INFORMATION.
-IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

PRODUCT SPECIFIC PRACTICES

THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ON SITE:

PETROLEUM PRODUCTS

ALL OILS AND FUELS WILL BE MONITORED FOR LEAKS AND REGULARLY PREVENTATIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ON SITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FERTILIZERS

FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PANTS

ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCARDED TO THE STORM SEWER BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE TRUCKS

EXCESS CONCRETE SHALL BE USED IN AREAS DESIGNATED BY THE SITE CONTRACTOR. WASH WATER SHALL BE DISPOSED OF USING BEST MANAGEMENT PRACTICES. BUILDING CONTRACTOR IS RESPONSIBLE FOR EXCESS OF ALL DRUM WASH WATER ASSOCIATED WITH CONCRETE FOR THE BUILDING PAD SITE. CONTRACTOR TO COORDINATE AND PROVIDE BUILDING CONTRACTOR WITH AN AREA FOR DRUM WASH WATER.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

- MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
- MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ON SITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, WIPES, RAGS, GLOVES, SHOES, KITS, LITERS, SAND, SAWDUST, AND PLASTIC AND METAL TRAYS CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
- THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING.
- SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY IMMEDIATELY.
- THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THE TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE.
- THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. THEY WILL DESIGNATE AT LEAST THREE OTHER SITE PERSONNEL WHO WILL EACH RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE PERSONNEL WILL BE KEPT ON FILE AT THE SITE WITH THIS PLAN, MAINTENANCE OR MODIFICATION WILL BE KEPT ON FILE AT THE SITE WITH THIS PLAN, MAINTENANCE OR MODIFICATION WILL BE KEPT ON FILE AT THE SITE WITH THIS PLAN.
- THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAFFIC ROUTE.

10. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN RECORDS OF CONSTRUCTION ACTIVITIES, INCLUDING DATES OF MAJOR GRADING ACTIVITIES, DATES WHEN CONSTRUCTION ACTIVITIES WERE TEMPORARILY CEASED OR A PORTION OF THE SITE, DATES WHEN WORK IS COMPLETED ON A PORTION OF THE SITE, AND DATES WHEN STABILIZATION MEASURES ARE INITIATED ON SITE.

11. THE CONTRACTOR SHALL PERFORM INSPECTIONS OR HAVE A CONSULTING ENGINEER PERFORM INSPECTIONS EVERY SEVEN (7) DAYS AND WITHIN 24 HOURS AFTER A STORM OF 0.5 INCH OR GREATER. INSPECTIONS REPORTS ARE TO BE KEPT ON FILE AT THE SITE WITH THIS PLAN. MAINTENANCE OR MODIFICATION SHALL BE IMPLEMENTED AND ADDED TO THE PLAN AS RECOMMENDED BY THE QUALIFIED INSPECTOR.

LANDSCAPE NOTES

GENERAL

1. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE RULES, REGULATIONS, LAWS, AND ORDINANCES HAVING JURISDICTION OVER THIS PROJECT SITE.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND NOTIFY OWNERS REPRESENTATIVE OF ANY LOCATIONS.
3. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON PLANS BEFORE PROCEEDING THE WORK. ANY DIFFERENCE IN QUANTITIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR CLARIFICATION. LANDSCAPE QUANTITIES SHOWN ON THE PLAN SHALL SUPERSEDE QUANTITIES LISTED IN LANDSCAPE LEGEND.
4. THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT PRIOR TO STARTING WORK AND VERIFY THAT THE PLANS IN THE CONTRACTOR'S POSSESSION ARE THE MOST CURRENT PLANS AVAILABLE AND ARE THE APPROVED PLAN SET FOR USE IN CONSTRUCTION.
5. ALL PLANT MATERIALS INSTALLED SHALL MEET OR EXCEED THE SPECIFICATIONS OF THE "AMERICAN STANDARDS FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
6. ALL PLANTS SHALL BE FIRST CLASS AND SHALL BE REPRESENTATIVE OF THEIR NORMAL SPECIES AND/OR VARIETIES. ALL PLANTS MUST HAVE GOOD, HEALTHY, WELL-FORMED YOUNG GROWTH AND A LARGE, FIBROUS, COMPACT ROOT SYSTEM.
7. ALL PLANTS SHALL BE FREE FROM DISEASE AND INSECT PESTS AND SHALL COMPLY WITH ALL APPLICABLE STATE AND FEDERAL LAWS PERTAINING TO PLANT DISEASES AND INFESTATIONS.
8. ALL TREES SHALL BE BALLED AND BURLAPPED (B & B) UNLESS OTHERWISE NOTED OR APPROVED BY LANDSCAPE ARCHITECT.
9. IF APPLICABLE, THE CONTRACTOR SHALL HAVE ALL FALL TRANSPORTING HAZARD PLANTS DUG IN THE SPRING AND STORED FOR FALL PLANTING.

GUARANTEE

THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL LANDSCAPE WORK FOR A PERIOD OF ONE YEAR, BEGINNING AT THE START OF THE MAINTENANCE PERIOD.

SITE AND SOIL PREPARATION

1. WHEN CONDITIONS DETERMINE THAT PLANT GROWTH ARE ENCOUNTERED, SUCH AS RUBBLE, FILL, ANCHORS, DRAINAGE CONDITIONS, OR LEGS, NOTIFY LANDSCAPE ARCHITECT/ENGINEER BEFORE PLANTING.
2. ALL DISTURBED AREAS & PLANTING AREAS, INCLUDING AREAS TO BE SODDED, SHALL RECEIVE THE FOLLOWING SOIL PREPARATION PRIOR TO PLANTING: A MINIMUM OF 6 INCHES OF LIGHTLY COMPACTED TOPSOIL SHALL BE INSTALLED OVER THE SUBSOIL. IF TOPSOIL HAS BEEN REMOVED OR IS NOT PRESENT.
3. LOW SHALL CONSIST OF LOOSE FRABLE TOPSOIL WITH NO ADMIXTURE OF REFUSE OR MATERIAL TOXIC TO PLANT GROWTH. LOW SHALL BE FREE FROM STONES, LUMPS, STUMPS, OR SIMILAR OBJECTS LARGER THAN TWO INCHES (2") IN GREATEST DIAMETER. SUBSOIL, ROCKS, AND WEEDS. THE MINIMUM TOXICITY SHALL BE LESS THAN 1.6. FROM SHALL BE LOW SHALL CONTAIN A MINIMUM OF THREE PERCENT (3%) AND A MAXIMUM OF TWENTY PERCENT (20%) ORGANIC MATTER AS DETERMINED BY LOSS BY DRYING. IN NO CASE SHALL THE ORGANIC MATTER EXCEED 10% OF THE DRY WEIGHT OF THE SOIL AS DETERMINED BY THE WASH TEST IN ACCORDANCE WITH ASTM D1541. IN NO INSTANCE SHALL MORE THAN 20% OF THAT MATERIAL PASSING THE #4 SEVE CONSIST OF CLAY SIZE PARTICLES.
4. NATURAL TOPSOIL NOT CONFORMING TO THE PARAGRAPHS ABOVE OR CONTAINING EXCESSIVE AMOUNTS OF CLAY OR SAND SHALL BE TREATED BY THE CONTRACTOR TO MEET THOSE REQUIREMENTS.
5. SUBMIT TEST RESULTS OBTAINED FROM SOURCE TO ENGINEER/LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL, PRIOR TO SPREADING OPERATIONS.
6. APPROVAL BY THE ENGINEER/LANDSCAPE ARCHITECT TO USE THE TOPSOIL WILL DEPEND UPON THE RESULTS OF THE SOIL TESTS.
7. THE BURDEN OF PROOF OF SOIL/AMENDMENT INSTALLATION RESTS WITH THE CONTRACTOR. SOIL TESTS MAY BE REQUIRED AT THE CONTRACTOR'S EXPENSE IN ORDER TO CONFIRM AMENDMENT INSTALLATION.

LANDSCAPE SPECIFICATIONS

SEEDING

1. 200% GRASSING SHALL BE COMPLETED PRIOR TO THE START OF PLANTING IN ANY GIVEN AREA OF THE PROJECT SITE.
2. SEEDING SHALL BE DONE BETWEEN APRIL 1 TO JUNE 15 OR AUGUST 15 TO OCTOBER 15, EXCEPT FOR RESEEDING OF AREAS. SPOTS OF BARE SOIL, ALL DISTURBED AREAS COVERED BY BUILDING PAVING OR AREAS THAT HAVE NOT BEEN OTHERWISE DEVELOPED SHALL BE SEED OR SODDED. SLOPES GREATER THAN 3:1 SHALL BE PROTECTED WITH AN EROSION CONTROL BLANKET. AFTER OCTOBER 15, DISTURBED AREAS SHALL BE PROTECTED IN ACCORDANCE WITH THE WINTER CONSTRUCTION NOTES.

ACCEPTABLE SEED MIXES ARE AS FOLLOWS:

TYPICAL LAWN MIX (MIN. 200 LBS/ACRE):

13% CREEPING RED FESCUE (MIN. 40 LBS/ACRE)
42% PERENNIAL RYEGRASS (MIN. 84 LBS/ACRE)
21% KENTUCKY BLUEGRASS (MIN. 42 LBS/ACRE)
4% REDTOP (MIN. 8 LBS/ACRE)

MULCHER SLOPE (NOOT TYPE 45) MIX 3:1 OR GREATER SLOPES (MIN. 160 LBS/ACRE):
38% CREEPING RED FESCUE (MIN. 80 LBS/ACRE)
32% PERENNIAL RYEGRASS (MIN. 64 LBS/ACRE)
5% REDTOP (MIN. 10 LBS/ACRE)
5% ALSIKE CLOVER (MIN. 10 LBS/ACRE)
5% BROODSTOCK TREFOIL (MIN. 10 LBS/ACRE)
5% LANCE-LEAF CLOVER (MIN. 10 LBS/ACRE)
5% CRYSTAL DANCY (MIN. 10 LBS/ACRE)
5% BUTTERFLY WEED (MIN. 10 LBS/ACRE)
5% BLACKHEADED SUSAN (MIN. 10 LBS/ACRE)
5% WILD LUPINE (MIN. 10 LBS/ACRE)

GENERAL SLOPE (NOOT TYPE 44) MIX 3:1 OR GREATER SLOPES (MIN. 160 LBS/ACRE):
44% CREEPING RED FESCUE (MIN. 88 LBS/ACRE)
38% PERENNIAL RYEGRASS (MIN. 76 LBS/ACRE)
4% REDTOP (MIN. 8 LBS/ACRE)
4% ALSIKE CLOVER (MIN. 8 LBS/ACRE)
4% BROODSTOCK TREFOIL (MIN. 8 LBS/ACRE)

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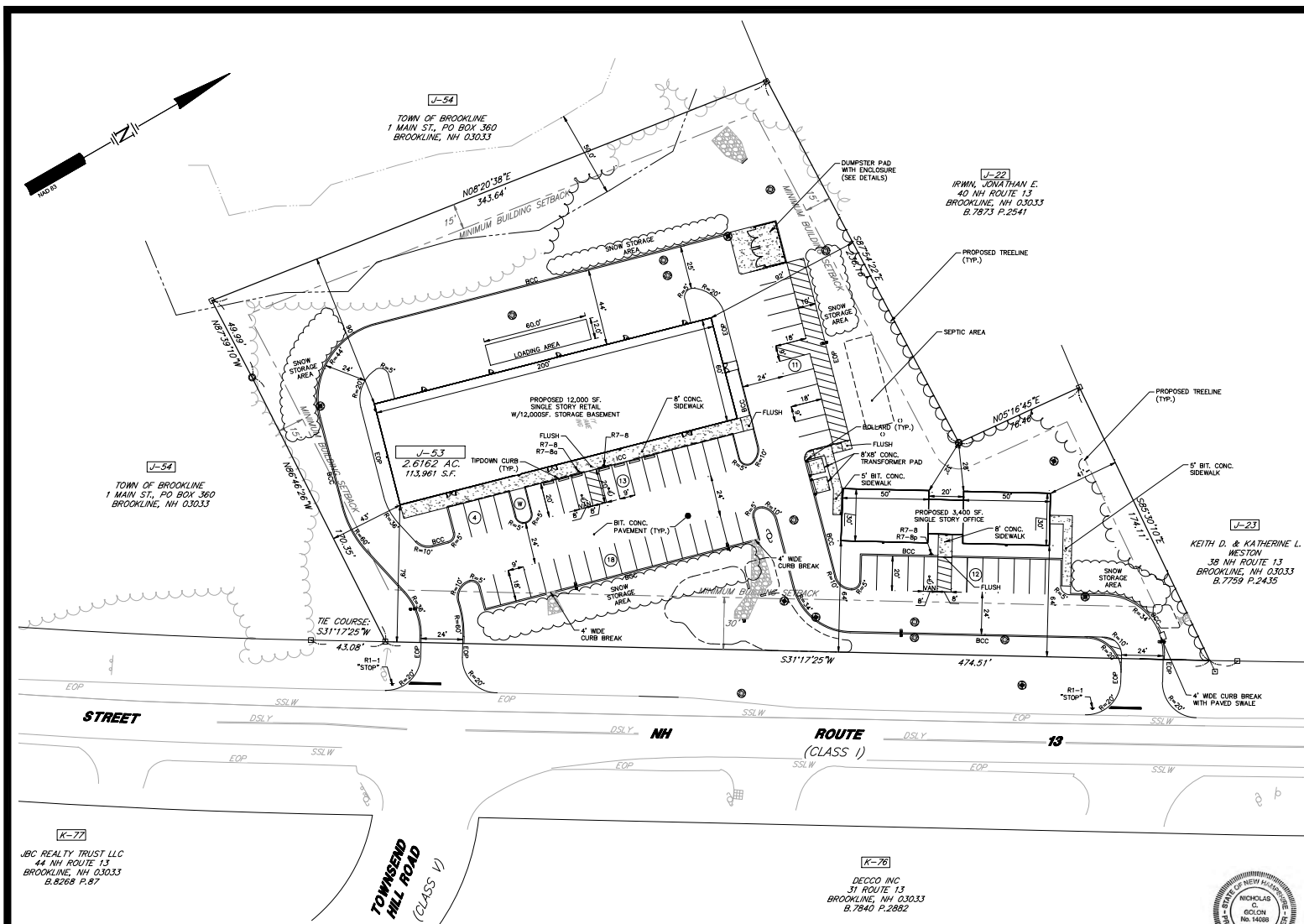
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	<div style="display: flex; justify-content: space-between;"> <div> 76598-00 Survey </div> <div> SHEET 1 OF 1 </div> </div>



REFERENCE PLANS

1. LOT LINE ADJUSTMENT PLAN OF LAND PREPARED FOR ENGELBERT L. EMEL, BROOKLINE, N.H., AUG. 7, 1988 AND LAST REVISED 10-23-86, PREPARED BY THOMAS F. MORAN INC. H.C.R.D. PLAN NO. 1994A.
2. STATE OF NEW HAMPSHIRE HIGHWAY DEPARTMENT PLANS OF PROPOSED FEDERAL AID SECONDARY PROJECT NO. SN-FAS-S 17 (1), BABCOCK ROAD, TOWN OF BROOKLINE COUNTY OF HILLSBORO.
3. LAND IN BROOKLINE, N.H., SURVEYED FOR DONALD V. DABROWA, MARCH, 1972, PREPARED BY CHWILES A. PERKINS CO. INC. H.C.R.D. PLAN NO. 9640.
4. SKETCH OF LANDS, HILDEGARDE M. DAHLSTROM, CARL SIDLINGER, BROOKLINE, N.H., AUGUST 10, 1970, NOT RECORDED.

NOTES

1. OWNER OF RECORD OF MAP J, LOT 53: 34 ON 13, LLC, PO BOX 273, BROOKLINE, NH 03033. DEED REFERENCE TO PARCEL 35 BK 9107 PG. 1922 IN THE H.C.R.D. PROPERTY ADDRESS: 34 NH ROUTE 13, BROOKLINE, NH AREA OF MAP J, LOT 53: 113,961 SF +/- OR 2.6162 AC +/-
2. [U-53] INDICATES TAX MAP AND LOT NUMBER.
3. CURRENT ZONING IS INDUSTRIAL/COMMERCIAL I-C ZONING DISTRICT AND AQUIFER PROTECTION OVERLAY.

REQUIRED	PROPOSED
MIN. LOT SIZE:	43,560 SF.
MIN. LOT FRONTAGE:	150'
MIN. BUILDING SETBACKS:	150'
FRONT:	30'
SIDE:	15'
REAR:	20'
MAX. BUILDING HEIGHT:	35'
MAX. LOT COVERAGE:	150%

 *UP TO 10% ALLOWABLE BY CONDITIONAL USER PERMIT.
4. PARKING CALCULATIONS:

REQUIRED:	PROPOSED:
RETAIL: 1 SP./300SF. = 12,000SF./300SF. = 40 SPACES	
OFFICE: 1 SP./400SF. = 3,400SF./400SF. = 8.5 = 9 SPACES	
WAREHOUSE: 1 EMPLOYEE + 1/40-GARAGED VEHICLE = 2 SPACES	
TOTAL = 51	

 PROPOSED: 58 SPACES (INCLUDING 3 ACCESSIBLE)
5. THE PROPERTY WILL BE SERVED BY THE FOLLOWING SERVICES:

DRAINAGE:	PRIVATE
SEWER:	PRIVATE
WATER:	PRIVATE
GAS:	NA
ELECTRIC:	EVERSOURCE
TELEPHONE:	CONSOLIDATED COMMUNICATIONS
CABLE:	CONSOLIDATED COMMUNICATIONS
6. EXAMINATION OF THE FLOOD INSURANCE RATE MAP FOR HILLSBOROUGH COUNTY, NEW HAMPSHIRE, (ALL JURISDICTIONS) MAP NUMBER 3301108100 DIVERGENT DATE: SEPTEMBER 20, 2009, INDICATES THAT THE SUBJECT PARCEL IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA ZONE.
7. BENCHMARK USED: NHCS CORS BASE STATION VERTICAL DATUM: NAVD 83 (EIGS) BENCHMARKS SET: AS NOTED
8. HORIZONTAL COORDINATES: PROJECTION: NH STATE PLANE HORIZONTAL DATUM: NAVD83
9. EASEMENTS, RIGHTS AND RESTRICTIONS
 - B. 1113 P. 86 STATE OF NH RIGHTS FOR SLOPE, EMBANKMENT AND DRAINAGE
 - B. 1141 P. 370 STATE OF NH RIGHTS FOR SLOPE, EMBANKMENT AND DRAINAGE
 - B. 1375 P. 214 RIGHT-OF-WAY TO LOT J-22
10. THE LOCATION OF ANY UNDERGROUND UTILITY INFORMATION SHOWN ON THIS PLAN IS APPROXIMATE. TFMORAN INC. MAKES NO CLAIM TO THE ACCURACY OR COMPLETENESS OF UNDERGROUND UTILITIES SHOWN PRIOR TO ANY EXCAVATION ON SITE. THE CONTRACTOR SHALL CONTACT DIG-SAFE AT 811.

SITE DEVELOPMENT PLANS

TAX MAP J, LOT 53
SITE LAYOUT PLAN
ROUTE 13 RETAIL FACILITY & OFFICE
34 NH ROUTE 13, BROOKLINE NH

OWNED BY
34 ON 13, LLC, PO BOX 273, BROOKLINE, NH 03033
 PREPARED FOR
UDELSMAN ASSOCIATES, HOLLIS, NH 03049

SCALE: 1"=30'

APRIL 17, 2020



Civil Engineers
 Structural Engineers
 Traffic Engineers
 Land Surveyors
 Landscape Architects
 Scientists

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 Phone (603) 472-4488
 Fax (603) 472-9747
 www.tfmoran.com

76598.00

DR CC FB
 OK NG CADFILE

76598-00 DESIGN LAYOUT

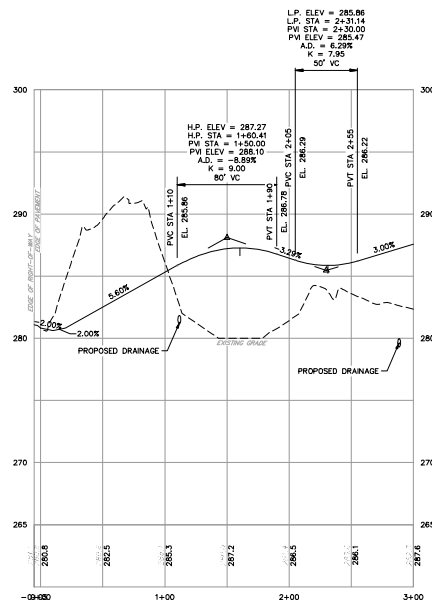
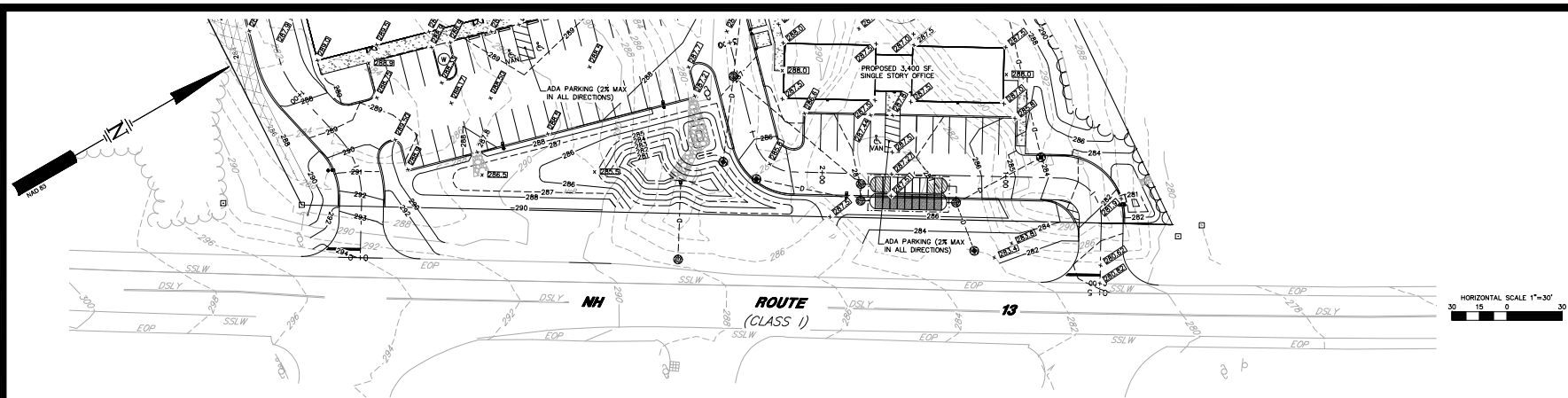
C-05

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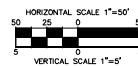
HORIZONTAL SCALE 1"=30'
 30 15 0 30

REV	DATE	DESCRIPTION	CC	NG	DR	OK
1	5/12/2020	REVISED PER TOWN COMMENTS	CC	NG	DR	OK



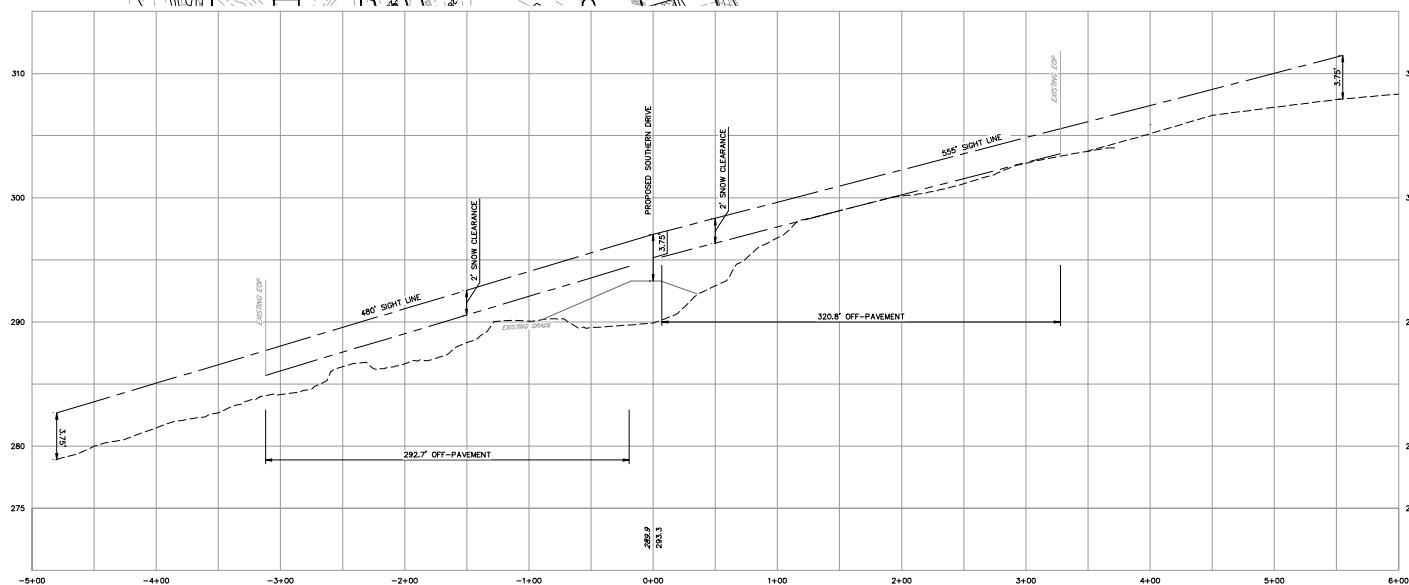
SITE DEVELOPMENT PLANS
TAX MAP J LOT 53
DRIVEWAY PLAN & PROFILE
ROUTE 13 RETAIL FACILITY & OFFICE
34 NH ROUTE 13, BROOKLINE NH
OWNED BY
34 ON 13, LLC, PO BOX 273, BROOKLINE, NH 03033
PREPARED FOR
UEDESMAN ASSOCIATES, HOLLIS, NH 03049
SCALE, AS NOTED **APRIL 17, 2020**

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REV	DATE	DESCRIPTION	CC	NG	DR
1	5/12/2020	REVISED PER TOWN COMMENTS			

76598.00	DR	CC	FB			
	OK	NG	CADFILE	76598-00 DESIGN LAYOUT		C-07



CASE	STOPPING SIGHT DISTANCE	INTERSECTION SIGHT DISTANCE
B1	425'	555'
B2	425'	480'
B3	425'	480'

1. 555' INTERSECTION SIGHT DISTANCE GOVERNS AND IS THEREFORE USED IN THIS ANALYSIS.
2. POSTED SPEED LIMIT IS 50 MPH.



OWNED BY
34 ON 13, LLC, PO BOX 273, BROOKLINE, NH 03033
PREPARED FOR
UDELSMAN ASSOCIATES, HOLLIS, NH 03049

APRIL 17, 2020

[illegible]

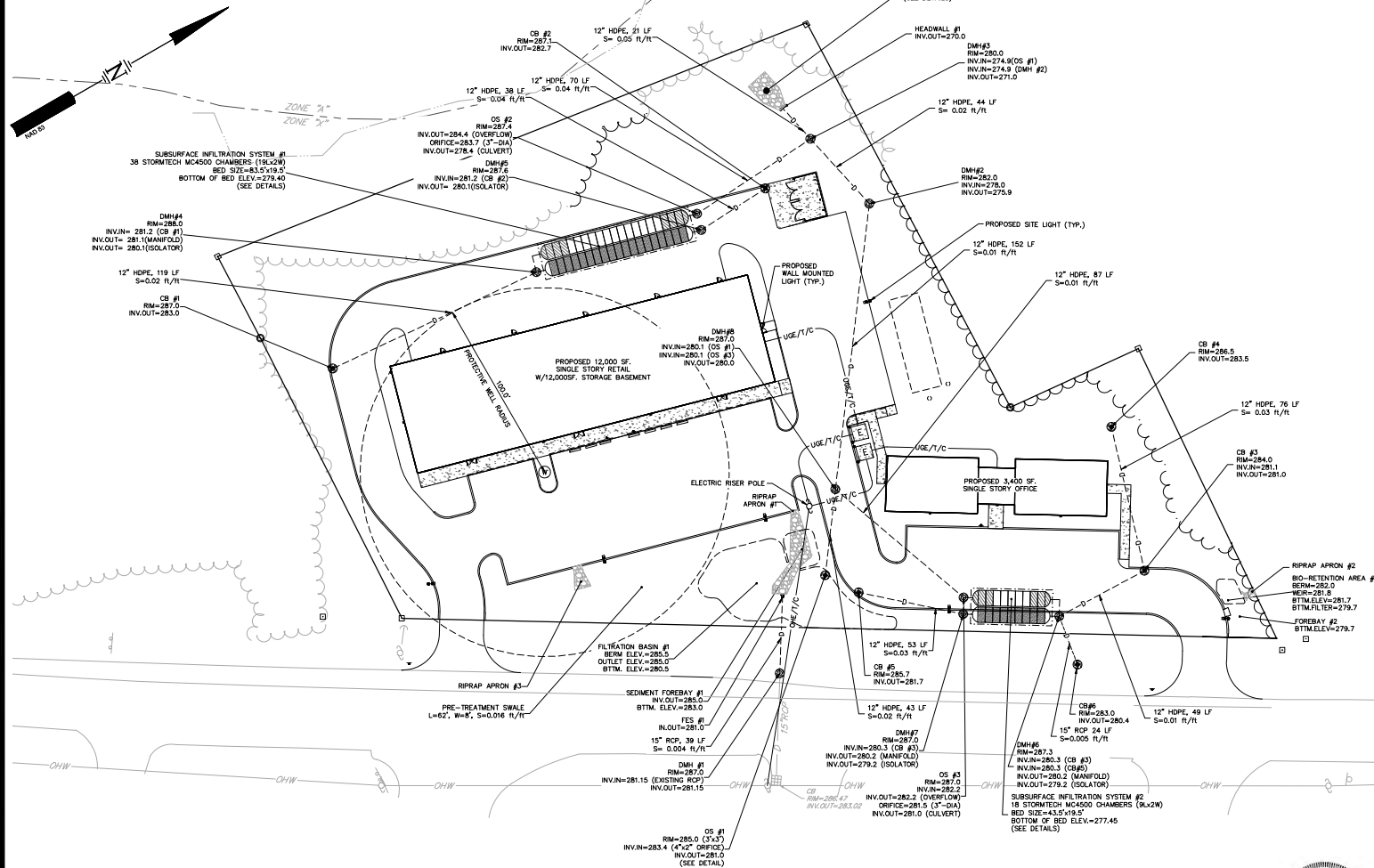
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- Traffic Engineers
- Land Surveyors
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- Scientists

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C-09

NOTES

1. SEE SHEET 2 FOR UTILITY NOTES



SITE DEVELOPMENT PLANS

TAX MAP J LOT 53

UTILITY PLAN

ROUTE 13 RETAIL FACILITY & OFFICE
34 NH ROUTE 13, BROOKLINE NH

OWNED BY

34 ON 13, LLC, PO BOX 273, BROOKLINE, NH 03033

PREPARED FOR

UDELSMAN ASSOCIATES, HOLLIS, NH 03049

SCALE: 1"=30'

APRIL 17, 2020



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HORIZONTAL SCALE 1"=30'

REV	DATE	DESCRIPTION	CC	NG	DR	CK
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76598.00	DR	CC	FB				
	CK	NG	CADFILE	76598--00 DESIGN LAYOUT			

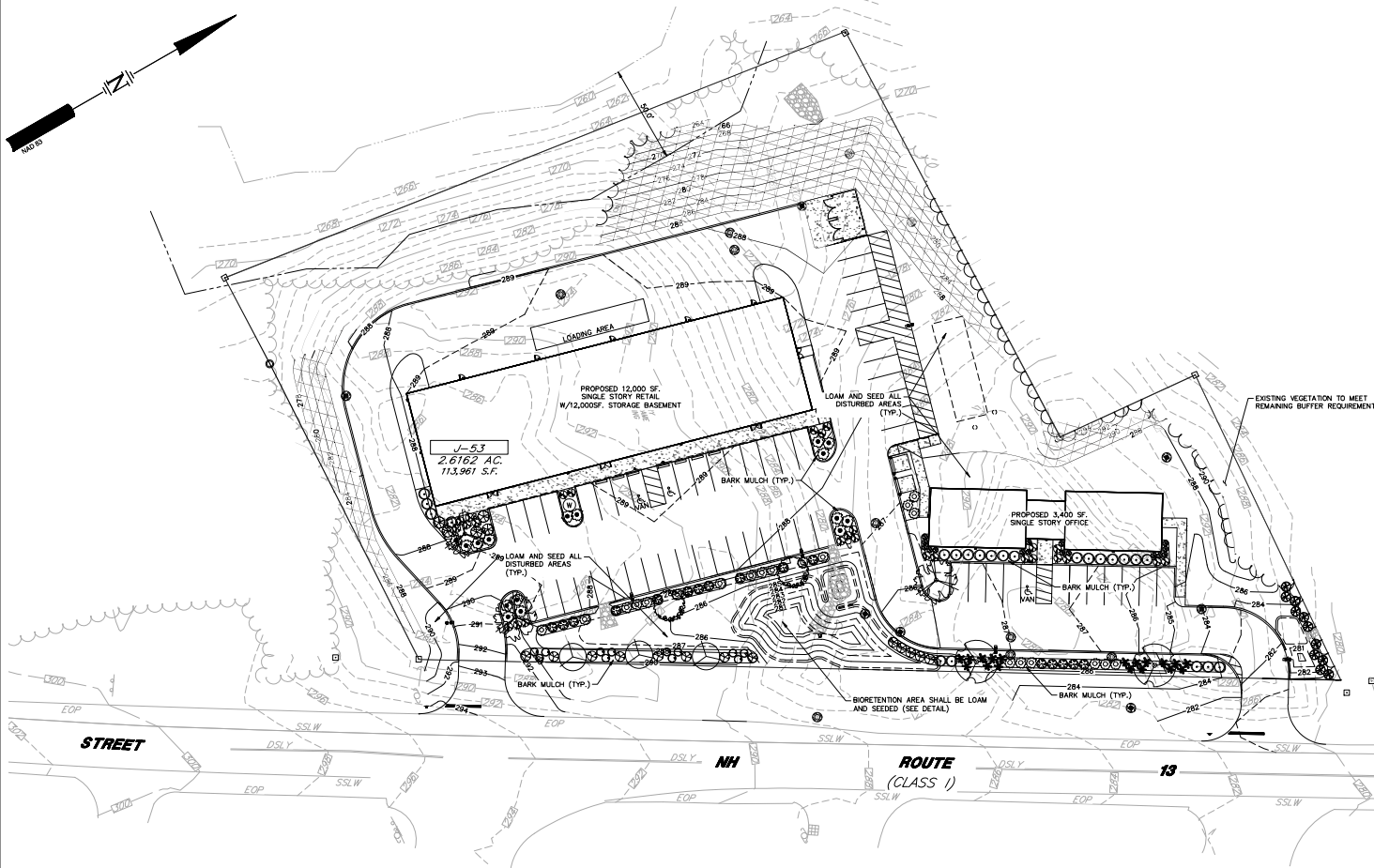
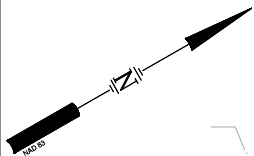


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C-10





LANDSCAPE LEGEND

SYMBOL	QTY	BOTANICAL NAME COMMON NAME	SIZE	REMARKS
	3	ACER RUBRUM 'REDPONTE' REDPONTE RED MAPLE	2 1/2" TO 3" CAL.	B&B
	2	CORNUS KOUSA KOUSA DOGWOOD	2" TO 2 1/2" CAL.	B&B
	3	PYRUS CALLERYANA 'CHANTICLEER' CHANTICLEER FLOWERING PEAR	2" TO 2 1/2" CAL.	B&B
	2	ULMUS AMERICANA 'VALLEY FORGE' VALLEY FORGE AMERICAN ELM	2" TO 2 1/2" CAL.	B&B
	5	OLETHRA ALNIFOLIA 'HUMMINGBIRD' HUMMINGBIRD SUMMERSWEET	5 GAL.	CONT.
	16	CORNUS ALBA 'IVORY HALO' IVORY HALO DOGWOOD	2" TO 3" CONT.	
	13	FORSYTHIA 'SHOW OFF' SHOW OFF FORSYTHIA	2" TO 3" CONT.	
	22	HYDRANGEA PANCULATA 'BOMBHELL' BOMBHELL PANICLE HYDRANGEA	5 GAL.	CONT.
	12	PHYSCARPUS O. 'LITTLE DEVIL' LITTLE DEVIL NINEBARK	2" TO 3" CONT.	
	5	RHUS ARNICA 'GROW LOW' GROW LOW SUMAC	2" TO 3" CONT.	
	16	ILEX CRENATA 'SKY PENCIL' SKY PENCIL HOLLY	2" TO 3" CONT.	
	21	JUNIPERUS C. 'SEAGREEN' SEAGREEN JUNIPER	2" TO 2 1/2" B&B	
	16	JUNIPERUS H. 'BAR HARBOR' BAR HARBOR JUNIPER	24" TO 36" CONT.	
	23	TAXUS M. 'GREENWAVE' GREENWAVE YEW	2" TO 3" B&B	
	11	THUJA O. 'TECHNY' MISSION ARBORVITAE	5" TO 6" B&B	
	18	PANICUM V. 'HEAVY METAL' HEAVY METAL SWITCH GRASS	3 GAL.	CONT.

LANDSCAPE CALC

1. GREENSPACE (SITE PLAN RECS SEC. 4.8.04):
REQUIRED: 5% INTERIOR GREEN SPACE OF TOTAL PARKING AREA = 17,933 SF (0.05) = 897 SF
PROPOSED: 1,942 SF (0.2%)
2. SHADE TREES (SITE PLAN RECS SEC. 4.8.04):
REQUIRED: 1 (ONE) SHADE TREE FOR EVERY 15 PARKING SPACES = 4 TREES
PROPOSED: 9 TREES (ALL TREES TO BE PLANTED AT 2" TO 2 1/2" CALIPER)

LANDSCAPE NOTES

- (SEE DETAILS FOR ADDITIONAL NOTES)
1. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE RULES, REGULATIONS, LAWS, AND ORDINANCES HAVING JURISDICTION OVER THIS PROJECT SITE.
 2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND NOTIFY OWNER'S REPRESENTATIVE OF CONFLICTS.
 3. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON PLANS BEFORE PRICING THE WORK. ANY DIFFERENCE IN QUANTITIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR CLARIFICATION. LANDSCAPE QUANTITIES SHOWN ON THE PLAN SHALL SUPERCEDE QUANTITIES LISTED IN LANDSCAPE LEGEND.
 4. THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT PRIOR TO STARTING WORK AND VERIFY THAT THE PLANS IN THE CONTRACTOR'S POSSESSION ARE THE MOST CURRENT PLANS AVAILABLE AND ARE THE APPROVED PLAN SET FOR USE IN CONSTRUCTION.
 5. ALL PLANT MATERIALS INSTALLED SHALL MEET OR EXCEED THE SPECIFICATIONS OF THE "AMERICAN STANDARDS FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERMEN.
 6. ALL PLANTS SHALL BE FIRST CLASS AND SHALL BE REPRESENTATIVE OF THEIR NORMAL SPECIES AND/OR VARIETIES. ALL PLANTS MUST HAVE GOOD, HEALTHY, WELL-FORMED UPRIGHT GROWTH AND A LARGE, FIBROUS, COMPACT ROOT SYSTEM.
 7. ALL PLANTS SHALL BE FREE FROM DISEASE AND INSECT PESTS AND SHALL COMPLY WITH ALL APPLICABLE STATE AND FEDERAL LAWS PERTAINING TO PLANT DISEASES AND INFESTATIONS.
 8. ALL TREES SHALL BE B&B AND BURLAP (B&B) UNLESS OTHERWISE NOTED OR APPROVED BY LANDSCAPE ARCHITECT.
 9. ALL LANDSCAPED AREAS INCLUDING LAWNS SHALL BE PROVIDED WITH UNDERGROUND IRRIGATION. SEE IRRIGATION NOTES.
 10. THE CONTRACTOR SHALL HAVE ALL FALL TRANSPARENTING HAZARD PLANTS DUG IN THE SPRING AND STORED FOR FALL PLANTING.
 11. ALL INVASIVE PLANT SPECIES FROM THE "NEW HAMPSHIRE PROHIBITED INVASIVE PLANT SPECIES LIST", TO BE REMOVED SHALL BE DONE SO IN ACCORDANCE WITH THE "INVASIVE SPECIES ACT, HB 1258-P1".
- GUARANTEE:**
THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL LANDSCAPE WORK FOR A PERIOD OF ONE YEAR, BEGINNING AT THE START OF THE MAINTENANCE PERIOD.

SITE DEVELOPMENT PLANS

TAX MAP J. LOT 53
LANDSCAPE PLAN
ROUTE 13 RETAIL FACILITY & OFFICE
34 NH ROUTE 13, BROOKLINE NH

OWNED BY
34 ON 13, LLC, PO BOX 273, BROOKLINE, NH 03033
PREPARED FOR
UDELSMAN ASSOCIATES, HOLLIS, NH 03049

SCALE: 1"=30'

APRIL 17, 2020



Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists

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IRRIGATION NOTES

1. THE IRRIGATION SYSTEM SHALL BE DESIGNED BY AN APPROVED IRRIGATION DESIGN/BUILD CONTRACTOR OR BY AN APPROVED EQUAL, TO BE DETERMINED BY THE OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT.
2. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THE IRRIGATION SYSTEM DESIGN AND SHOP DRAWINGS TO THE OWNER 30 DAYS PRIOR TO THE START OF CONSTRUCTION.
3. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EXISTING AND PROPOSED UTILITIES AND NOTIFY THE OWNER'S REPRESENTATIVE OF CONFLICTS.
4. THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR, BUT NOT LIMITED TO, THE COMPLETE INSTALLATION OF THE IRRIGATION SYSTEM AND SHALL FOLLOW ALL APPLICABLE CODES.
5. REFER TO ARCHITECTURAL PLANS FOR LOCATION OF THE IRRIGATION SYSTEM'S BUILDING CONNECTION.
6. REFER TO MANUFACTURER'S INSTRUCTIONS AND PRODUCT SPECIFICATIONS FOR INSTALLATION.

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HORIZONTAL SCALE 1"=20'
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CONSTRUCTION SEQUENCE NOTES

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
2. CUT AND CLEAR TREES WITHIN AREA OF DISTURBANCE UNLESS OTHERWISE NOTED.
3. CONSTRUCT TEMPORARY AND PERMANENT EROSION CONTROL FACILITIES PRIOR TO ANY EARTH MOVING OPERATION.
4. ROUGH GRADE SITE OR PHASED WORK AREA. ALL SLOPES SHALL BE STABILIZED IMMEDIATELY AFTER GRADING. ALL DISTURBED AREAS SHALL BE STABILIZED NO LATER THAN 72 HOURS AFTER CONSTRUCTION ACTIVITY CEASES. IF EARTHWORK TEMPORARILY CEASES ON A PORTION OF OR THE ENTIRE SITE, AND WILL NOT RESUME WITHIN 21 DAYS, THE AREA SHALL BE STABILIZED.
- AN AREA SHALL BE CONSIDERED STABILIZED IF:
- A) BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
 - B) A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
 - C) A MINIMUM OF 3" OF NON-ERODIBLE MATERIAL, SUCH AS STONE OR RIPRAP, HAS BEEN INSTALLED; OR
 - D) EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
5. CONSTRUCT CULVERTS, DETENTION BASINS AND TREATMENT SWALES. PLACE HEADWALLS, RIP-RAP AND OTHER DRAINAGE FACILITIES ACCORDING TO PLAN. THE CONTRACTOR SHALL STABILIZE ALL DITCHES, SWALES, AND PONDS/BASINS PRIOR TO DIRECTING FLOW TO THEM.
6. INSTALL ALL UNDERGROUND UTILITIES.
7. CONSTRUCT BUILDINGS.
8. CONSTRUCT PARKING AND FINISH GRADE SITE ACCORDING TO PLAN. ALL SLOPES SHALL BE STABILIZED IMMEDIATELY AFTER GRADING.
9. INSPECT AND MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL MEASURES PERIODICALLY AND IMMEDIATELY AFTER STORM EVENTS.
10. COMPLETE PERMANENT SEEDING AND LANDSCAPING.
11. REMOVE TEMPORARY EROSION CONTROL MEASURES ONCE ALL AREAS ARE STABILIZED WITH A SUITABLE STAND OF GRASS, PAVEMENT OR COMPACTED GRAVELS.
- * REFER TO THE STORMWATER MANAGEMENT PLAN FOR EROSION CONTROL MEASURES AND SPECIFIC INFORMATION.

GENERAL NOTES

1. ALL IN PAVEMENT MANHOLES SHALL HAVE RIMS SET TO FINISH GRADE REGARDLESS OF ANY ELEVATIONS OTHERWISE SHOWN.
2. WHERE DEPTH OF COVER IS LESS THAN 3 FEET CLASS V REINFORCED CONCRETE PIPE SHALL BE USED.
3. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES DURING UTILITIES, EITHER OVERHEAD OR UNDERGROUND, WITHIN THE CONSTRUCTION AREA AND SHALL COORDINATE AS NECESSARY WITH THE UTILITY COMPANIES OF SAID UTILITIES. THE PROTECTION OR RELOCATION OF UTILITIES IS ULTIMATELY THE RESPONSIBILITY OF THE CONTRACTOR.
4. THE CONTRACTOR SHALL MAINTAIN EMERGENCY ACCESS TO ALL AREAS AFFECTED BY HIS WORK AT ALL TIMES.
5. ALL EXCAVATIONS SHALL BE THOROUGHLY SECURED ON A DAILY BASIS BY THE CONTRACTOR AT THE COMPLETION OF CONSTRUCTION OPERATIONS IN THE IMMEDIATE AREA.
6. EROSION CONTROL SYSTEMS SHALL BE INSTALLED AND MAINTAINED FOR THE DURATION OF THE PROJECT IN ACCORDANCE WITH APPLICABLE INCHES STANDARDS. THESE DETAILS SERVE AS A GUIDE ONLY.
7. REFER TO THE TOWN STANDARD DETAILS, LATEST EDITION, FOR ADDITIONAL INFORMATION AND CRITERIA.
8. THE CONTRACTOR SHALL STABILIZE ALL DITCHES, SWALES, AND PONDS PRIOR TO DIRECTING FLOW TO THEM.
9. THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT IN NO CASE SHALL EXCEED 5 ACRES AT ANY ONE TIME BEFORE DISTURBED AREAS ARE STABILIZED.

WINTER CONSTRUCTION

IN ADDITION TO THE OTHER NOTES CONTAINED ON THIS PLAN, THE FOLLOWING MUST BE IMPLEMENTED:

1. WINTER EROSION AND EARTHWORK SHALL BE COMPLETED AS SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.
2. AN AREA WITHIN 100 FEET OF A PROTECTED NATURAL RESOURCE MUST BE PROTECTED WITH A DOUBLE ROW OF SEDIMENT BARRIER.
3. TEMPORARY MULCH MUST BE APPLIED WITHIN 7 DAYS OF SOIL EXPOSURE OR PRIOR TO ANY STORM EVENT, BUT AFTER EVERY WORKDAY IN AREAS WITHIN 100 FEET FROM A PROTECTED NATURAL RESOURCE.
4. AREAS THAT HAVE BEEN BROUGHT TO FINAL GRADE MUST BE PERMANENTLY MULCHED THE SAME DAY.
5. IN THE EVENT OF A SNOWFALL GREATER THAN 1 INCH (FRESH OR CUMULATIVE), THE SNOW SHALL BE REMOVED FROM THE AREAS DUE TO BE SEEDED AND MULCHED.
6. LOAM SHALL BE FREE OF FROZEN CLUMPS BEFORE IT IS APPLIED.
7. A DITCH THAT WILL BE CONSTRUCTED DURING THE WINTER MUST BE STABILIZED WITH RIPRAP.
8. ALL PROPOSED VEGETATIVE AREAS THAT DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
9. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
10. AFTER OCTOBER 15, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF GRAVEL PER INDIST ITEM 304.3.

OVERWINTER STABILIZATION

1. PERMANENT STABILIZATION CONSISTS OF AT LEAST 85% VEGETATION, PAVEMENT/GRANULAR BASE OR RIPRAP.
2. DO NOT EXPOSE SLOPES OR LEAVE SLOPES EXPOSED OVER THE WINTER OR FOR OTHER EXTENDED TIME OF WORK SUSPENSION UNLESS FULLY PROTECTED WITH MULCH.
3. APPLY MULCH AT TWICE THE STANDARD RATE (150 LBS PER 1,000 SQ FT). THE MULCH MUST BE THICK ENOUGH SUCH THAT THE GROUND SURFACE WILL NOT BE VISIBLE AND MUST BE ANCHORED.
4. USE MULCH AND MULCH NETTING OR AN EROSION CONTROL MULCH BLANKET OR MIX FOR ALL SLOPES GREATER THAN 8:5 OR OTHER AREAS EXPOSED TO DIRECT WIND.
5. INSTALL AN EROSION CONTROL BLANKET IN ALL DRAINAGE WAYS (BOTTOM AND SIDES) WITH A SLOPE GREATER THAN 3:1.
6. SEE THE VEGETATION MEASURES FOR MORE INFORMATION ON SEEDING DATES AND TYPES.

EROSION CONTROL NOTES

DURING CONSTRUCTION AND THEREAFTER, EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS NOTED:

1. INSTALLATION OF EROSION FENCES AND OTHER EROSION CONTROL MEASURES SHALL BE COMPLETED PRIOR TO THE START OF SITE WORK IN ANY GIVEN AREA. PREFABRICATED SILTATION FENCES SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

2. SEDIMENT FENCES AND OTHER EROSION CONTROL MEASURES SHALL BE KEPT CLEAN DURING CONSTRUCTION AND REMOVED WHEN ALL SLOPES HAVE A VEGETATIVE COVER OF GREATER THAN 85%. EROSION CONTROL MEASURES SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EVERY RAINFALL.
3. EXISTING VEGETATION IS TO REMAIN UNDISTURBED WHEREVER POSSIBLE.
4. THE AREA OF LAND EXPOSED AND THE TIME OF EXPOSURE SHALL BE MINIMIZED. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 72 HOURS AFTER FINAL GRADING.
5. ALL DISTURBED AREAS SHALL HAVE A MINIMUM OF 4" OF LOAM. ACCEPTABLE SEED MIXES ARE AS FOLLOWS:

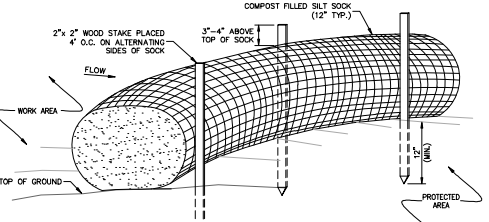
PERM SEED MIX (INDOT TYPE 44) MIN. 136 LBS/ACRE:
33% CREEPING RED FESCUE (MIN. 45 LBS/ACRE)
42% PERENNIAL RYEDGRASS (MIN. 55 LBS/ACRE)
21% KENTUCKY BLUEGRASS (MIN. 30 LBS/ACRE)
4% REDTOP (MIN. 5 LBS/ACRE)

TEMPORARY LAWN MIX (MIN. 47 LBS/ACRE)
100% ANNUAL RYE

SLOPE SEED MIX (INDOT TYPE 43) MIX 3:1 OR GREATER SLOPES (MIN. 105 LBS/ACRE):
38% CREEPING RED FESCUE (MIN. 40 LBS/ACRE)
32% PERENNIAL RYEDGRASS (MIN. 45 LBS/ACRE)
5% REDTOP (MIN. 5 LBS/ACRE)
5% ALSIKE CLOVER (MIN. 5 LBS/ACRE)
5% BIRDSFOOT TREFOIL (MIN. 5 LBS/ACRE)
3% LANCE-LEAF CORPUS (MIN. 3 LBS/ACRE)
3% CLOVE DAW (MIN. 3 LBS/ACRE)
3% BUTTERFLY WEED (MIN. 3 LBS/ACRE)
3% BLACKVEED SUSAN (MIN. 3 LBS/ACRE)
3% WILD LUPINE (MIN. 3 LBS/ACRE)

SLOPE SEED MIX (INDOT TYPE 44) MIX 3:1 OR GREATER SLOPES (MIN. 90 LBS/ACRE):
44% CREEPING RED FESCUE (MIN. 40 LBS/ACRE)
38% PERENNIAL RYEDGRASS (MIN. 45 LBS/ACRE)
6% REDTOP (MIN. 5 LBS/ACRE)
6% ALSIKE CLOVER (MIN. 5 LBS/ACRE)
6% BIRDSFOOT TREFOIL (MIN. 5 LBS/ACRE)

- A. PLACING LOAM ON SITE.
1. ALL SUBGRADE ELEVATIONS SHOULD BE UNIFORMLY GRADED TO RECEIVE LOAM AND SHALL BE INSPECTED AND APPROVED BY THE GENERAL CONTRACTOR PRIOR TO PLACEMENT OF LOAM.
- B. SEED BED PREPARATION.
- AFTER FINISH GRADING AND JUST BEFORE SEEDING, THE AREAS TO BE SEEDBED SHALL BE LOOSENEED TO PROVIDE A ROUGH, FIRM BUT FINELY FRACTIONATED SEEDBED. THE INTENT IS A TEXTURE CAPABLE OF RETAINING WATER, SEED AND FERTILIZER WHILE REMAINING STABLE AND ALLOWING SEED TIME TO GERMINATE. SEED SHALL BE APPLIED TO THE CONDITIONED SEEDBED NOT MORE THAN 48 HOURS AFTER THE SEEDBED HAS BEEN PREPARED.
6. LOAM AND FERTILIZER SHALL BE INCORPORATED INTO THE SOIL PRIOR TO OR AT THE TIME OF AT THE TIME OF SEEDING. A MINIMUM OF 2 TONS PER ACRE OF AGRICULTURAL LIMESTONE AND 500 LBS PER ACRE OF 10-20-20 FERTILIZER SHALL BE APPLIED. SEEDING PRACTICES SHALL COMPLY WITH LOCAL USDA SOIL CONSERVATION SERVICES RECOMMENDATIONS.
7. ANY MULCH OR JUTE MATTING SHALL BE USED WHERE INDICATED ON THE PLANS. A MINIMUM OF 1.5 TONS OF MULCH PER ACRE SHALL BE APPLIED. MULCH SHALL BE ANCHORED IN PLACE WHERE NECESSARY. JUTE MATTING SHALL BE LAID IN THE DIRECTION OF RUNOFF FLOW AND APPLIED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
8. PERMANENT OR TEMPORARY COVER MUST BE IN PLACE BEFORE THE GROWING SEASON ENDS. WHEN SEEDED AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO EARLY OCTOBER. WHEN SEEDED AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 15 TO SEPTEMBER 15. NO DISTURBED AREA SHALL BE LEFT EXPOSED DURING WINTER MONTHS.
9. WATER SHALL BE USED FOR DUST CONTROL IN APPROPRIATE AREAS.
10. SEDIMENT TRAPS AND/OR BASINS MUST BE USED AS NECESSARY TO CONTAIN RUNOFF UNTIL SOILS ARE STABILIZED.

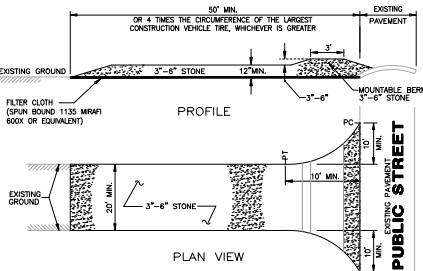


NOTES

1. SILT SOCK SHALL BE FILLED WITH SILT SOCK OR APPROVED EQUIVALENT.
2. SILT SOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND REPAIR OR REPLACEMENT SHALL BE PERFORMED AS NEEDED.
3. COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.

SILT SOCK

NOT TO SCALE



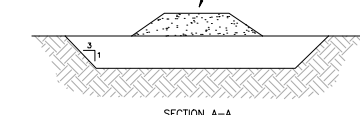
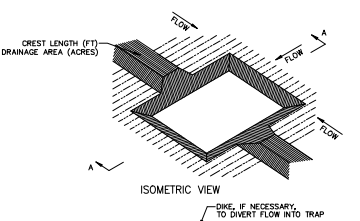
NOTES

1. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE SURFACE.
2. NO SURFACE WATER SHALL BE DIRECTED TOWARD CONSTRUCTION ENTRANCES.
3. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
4. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
5. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN, STORM EVENT.

STABILIZED CONSTRUCTION ENTRANCE

SEE PLAN FOR PROPOSED LOCATION

NOT TO SCALE



NOTES

1. SEDIMENT TRAPS AND/OR BASINS SHOULD BE USED AS NECESSARY TO CONTAIN RUNOFF UNTIL BASINS/PONDS ARE STABILIZED.

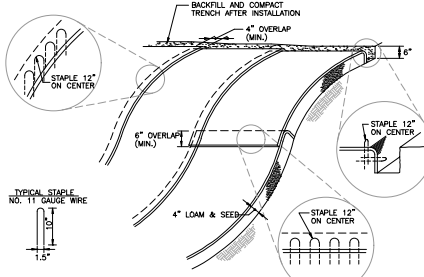
SEDIMENT TRAP

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LOAM & SEED

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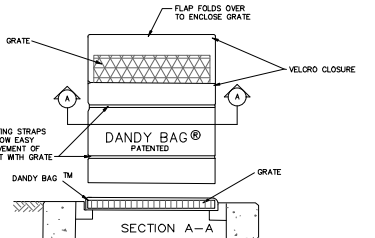
NOTES

1. BEGIN AT THE TOP OF BLANKET INSTALLATION AREA BY ANCHORING BLANKET IN A 6" DEEP TRENCH. BACKFILL AND COMPACT TRENCH AFTER STAPLING.
2. ROLL THE BLANKET DOWN THE SLOPE IN THE DIRECTION OF THE WATER FLOW.
3. THE EDGES OF BLANKETS MUST BE STAPLED WITH APPROX. 4 INCH OVERLAP WHERE 2 OR MORE STRIP WIDTHS ARE REQUIRED.
4. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKET END OVER WITH 6 INCH (MIN.) OVERLAP AND ANCHOR DOWN SLOPE BLANKET IN A 6 INCH DEEP TRENCH.
5. BLANKET SHALL BE NORTH AMERICAN GREEN C1258N, EAST COAST EROSION CONTROL EDC-28, AMERICAN EXCELSIOR COMPANY CUMLEX III FIBRENET, SOLANCA GEONATURAL EROSION & SEDIMENT CONTROL MATTE JUTEMAT OR BOD-DOF 30, OR APPROVED EQUAL.

BLANKET SLOPE PROTECTION

FOR EROSION CONTROL

NOT TO SCALE



INSTALLATION

STAND GRATE ON END. PLACE DANDY BAG OVER GRATE AND ROLL GRATE OVER SO THAT OPEN END IS UP. PULL UP JACK, TUCK FLAP IN, PRESS VELCRO STRIPS TOGETHER. BE SURE END OF GRATE IS COMPLETELY COVERED BY FLAP OR DANDY BAG WILL NOT WORK PROPERLY. HOLDING HANDLES, CAREFULLY PLACE DANDY BAG WITH GRATE INSERTED INTO CATCH BASIN FRAME.

MAINTENANCE

WITH A STIFF BRISTLE BROOM OR SQUARE POINT SHOVEL REMOVE SILT & OTHER DEBRIS OFF SURFACE AFTER EACH EVENT. REMOVE FINE MATERIAL FROM INSIDE ENVELOPE AS NEEDED. (CONTACT DANDY PRODUCTS INC. 1-800-591-2284)

DANDY BAG DETAIL

NOT TO SCALE

SITE DEVELOPMENT PLANS

TAX MAP J. LOT 53

DETAILS

ROUTE 13 RETAIL FACILITY & OFFICE
34 NH ROUTE 13, BROOKLINE NH

OWNED BY
34 ON 13, LLC, PO BOX 273, BROOKLINE, NH 03033

PREPARED FOR

UDELSMAN ASSOCIATES, HOLLIS, NH 03049

SCALE: NTS

APRIL 17, 2020



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Structural Engineers
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NOT TO SCALE



NOT TO SCALE



CLOSED DRAINAGE SYSTEM

NOT TO SCALE



NOTES

MAXIMUM 2% SLOPE IN ALL DIRECTIONS WITHIN AREA OF ACCESSIBLE PARKING SPACES.



FOR USE WHERE VELOCITIES ARE 3 FPS OR LESS

NOT TO SCALE




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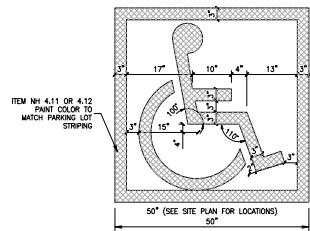


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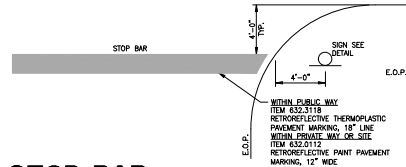
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	Civil Engineers Structural Engineers Traffic Engineers Land Surveyors Landscape Architects Scientists				48 Constitution Drive Bedford, NH 03110 Phone (603) 472-4488 Fax (603) 472-9747 www.tfmoran.com	
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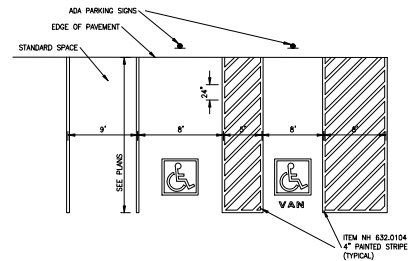
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PAINTED HANDICAP SYMBOL
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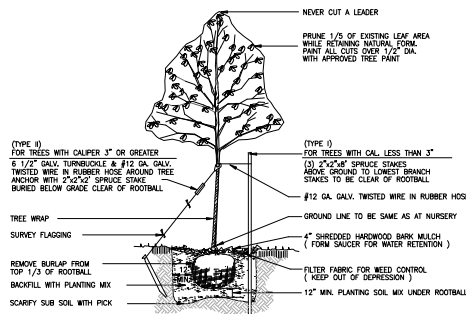


STOP BAR
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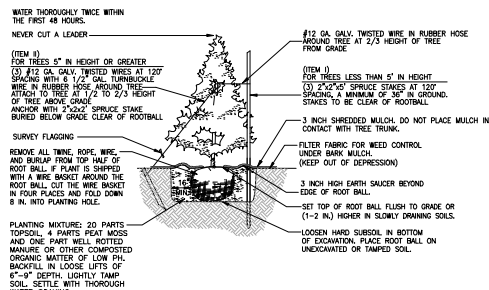


PARKING STRIPING DETAIL
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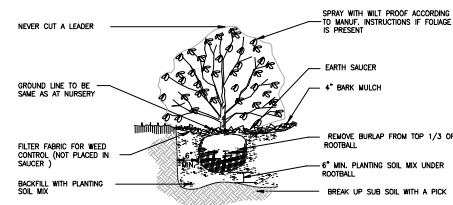
NOTES
MAXIMUM 2% SLOPE IN ALL DIRECTIONS WITHIN AREA OF ACCESSIBLE PARKING SPACES.



DECIDUOUS TREE PLANTING DETAIL
NOT TO SCALE



EVERGREEN PLANTING
NOT TO SCALE



SHRUB PLANTING DETAIL
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Landscape Architects
Scientists

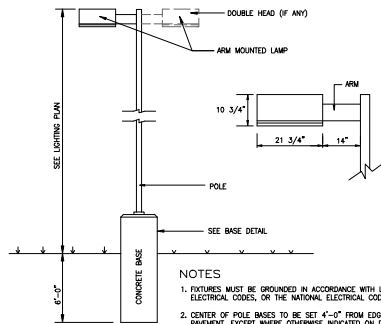
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C-15



NOTES

1. FIXTURES MUST BE GROUNDED IN ACCORDANCE WITH LOCAL ELECTRICAL CODES, OR THE NATIONAL ELECTRICAL CODE.
2. CENTER OF POLE BASES TO BE SET 4'-0" FROM EDGE OF PAVEMENT, EXCEPT WHERE OTHERWISE INDICATED ON DRAWING.
3. LIGHTING SHOWN HERE IS AREA LIGHTING. SUPPLEMENTAL BUILDING-MOUNTED FIXTURES AT DOORWAYS, ETC. MAY BE REQUIRED.
4. SEE LIGHTING PLAN FOR FIXTURE SCHEDULE.

LIGHT POLE

NOT TO SCALE



POST SECTION

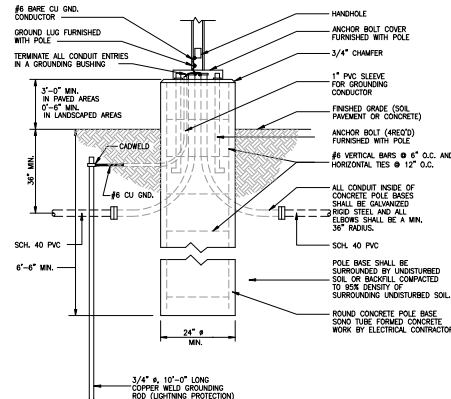
LENGTH: P-12, 12'-0"; P-14, 14'-0"; P-16, 16'-0".
WEIGHT PER LINEAR FOOT: 2.50 LBS. (MIN.)
HOLES: 3/8" DIA. 1" C-C FULL LENGTH
STEEL SHALL CONFORM TO ASTM A-499 (GRADE 60) OR ASTM A-576 (GRADE 100-1080).
FINISH: SHALL BE PAINTED WITH TWO COATS OF AN APPROVED MEDIUM GREEN, BAKED ON, OR AIR DRIED, PAINT OF WEATHER RESISTANT QUALITY. ALL FABRICATION SHALL BE COMPLETE BEFORE PAINTING.

NOTES

1. POSTS SHALL BE PLUMB. ANY POST BENT OR OTHERWISE DAMAGED SHALL BE REMOVED AND PROPERLY REPLACED. POSTS MAY BE SET OR DRIVEN.
2. WHEN POSTS ARE SET, HOLES SHALL BE DUG TO THE PROPER DEPTH. AFTER INSERTING POSTS, THE HOLES SHALL BE BACKFILLED WITH SUITABLE MATERIAL, IN LAYERS NO TO EXCEED 4" DEEP THOROUGHLY COMPACTED. CARE BEING TAKEN TO PRESERVE THE ALIGNMENT OF THE POST.
3. WHEN POSTS ARE DRIVEN, A SUITABLE DRIVING CAP SHALL BE USED AND AFTER DRIVING THE TOP OF THE POST SHALL HAVE SUBSTANTIALLY THE SAME CROSS-SECTIONAL DIMENSION AS THE BODY OF THE POST. BATTERED HEADS WILL NOT BE ACCEPTED.
4. POSTS SHALL NOT BE DRIVEN WITH THE SIGN ATTACHED TO THE POST.
5. SIGNS SHALL BE ERECTED IN CONFORMANCE WITH THE REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
6. WHEN SIGN IS IN PLACE NO PART OF POST SHALL EXTEND ABOVE THE SIGN.
7. DIMENSIONS SHOWN ARE NOMINAL.
8. ALTERNATE SECTIONS MUST BE APPROVED PRIOR TO USE.

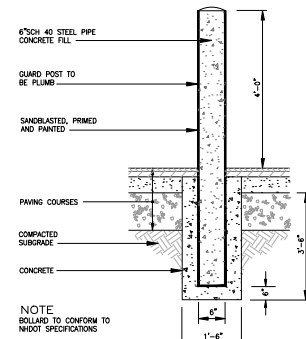
TRAFFIC SIGN POST IN GRADE

NOT TO SCALE



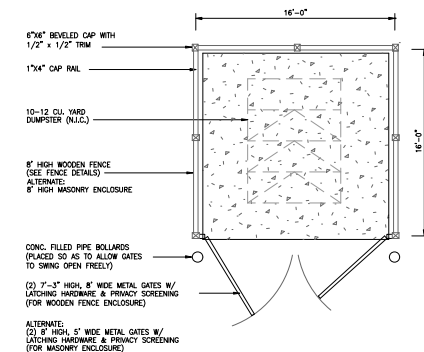
LIGHT POLE BASE

NOT TO SCALE



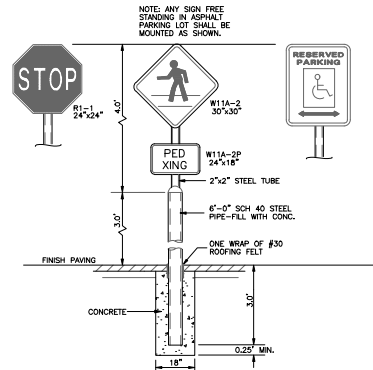
BOLLARD

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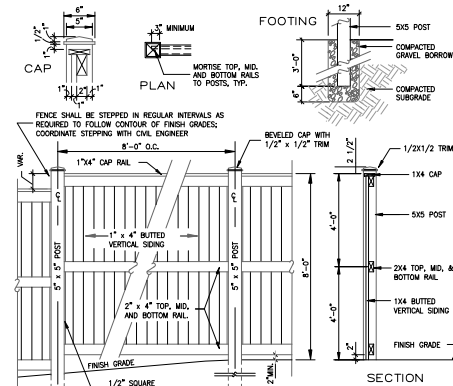
DUMPSTER ENCLOSURE - WOOD

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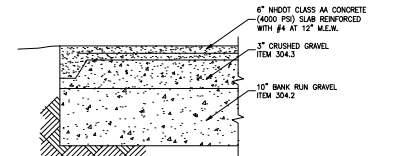
SIGN POLE IN PAVEMENT

NOT TO SCALE



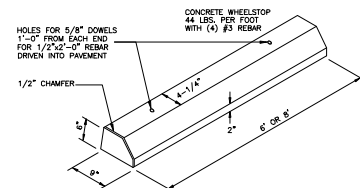
WOOD FENCE

NOT TO SCALE



CONCRETE DUMPSTER PAD

NOT TO SCALE



CONCRETE WHEELSTOP

NOT TO SCALE

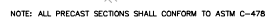
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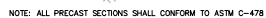
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1	5/12/2020	REVISED PER TOWN COMMENTS	CC	NG	DR	OK

SITE DEVELOPMENT PLANS
TAX MAP J. LOT 53
DETAILS
ROUTE 13 RETAIL FACILITY & OFFICE
34 NH ROUTE 13, BROOKLINE NH
OWNED BY
34 ON 13, LLC, PO BOX 273, BROOKLINE, NH 03033
PREPARED FOR
UDELSMAN ASSOCIATES, HOLLIS, NH 03049
SCALE: NTS APRIL 17, 2020

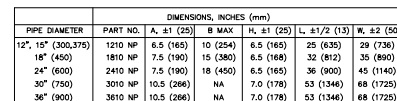
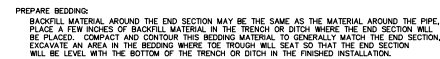
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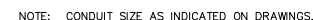
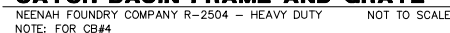
ECCENTRIC CONE NOT TO SCALE



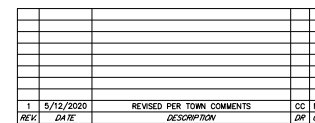
CONCENTRIC CONE NOT TO SCALE



HIGH DENSITY POLYETHYLENE (HDPE)



NOT TO SCALE



TAX MAP J LOT 53

OWNED BY

SCALE, NTS

APRIL 17, 2020



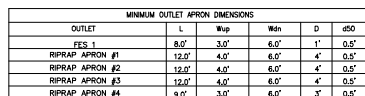
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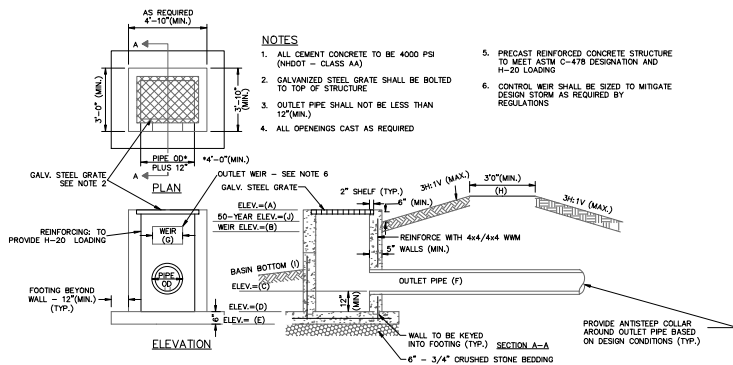
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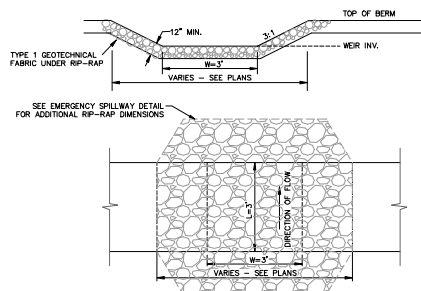


1. THE SUBGRADE FOR THE GEOTEXTILE FABRIC AND RIP-RAP SHALL BE PREPARED TO THE LINES AND GRADES SHOWN ON THE PLANS.
2. THE ROCK USED FOR RIP-RAP SHALL CONFORM TO THE SPECIFIED GRADATION.
3. GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DURING THE PLACEMENT OF THE ROCK RIP-RAP. DAMAGED AREAS IN THE FABRIC SHALL BE REPAIRED BY PLACING A PIECE OF FABRIC OVER THE DAMAGED AREA OR BY COMPLETE REPLACEMENT OF THE FABRIC. ALL OVERLAPS REQUIRED FOR JOINTS SHALL BE REINFORCED BY PLACING AN ADDITIONAL PIECE OF FABRIC OVER THE JOINTS.
4. STONE FOR THE RIP-RAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE FULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVENT SEGREGATION OF THE STONE SIZES.

NOT TO SCALE

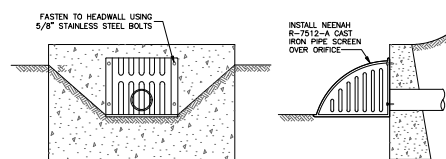


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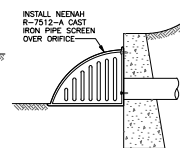


WEIR	TOP OF BERM EL.	WEIR INV.
SEDIMENT FOREBAY #1	285.5	285.0

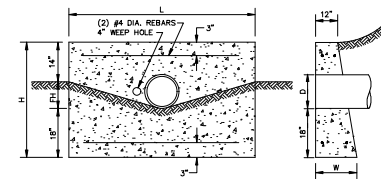
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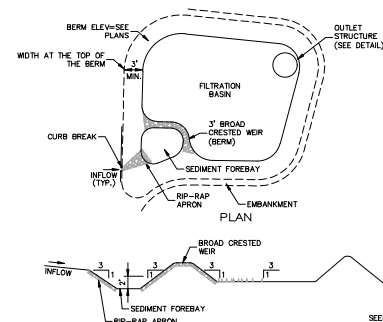
AT HEADWALL



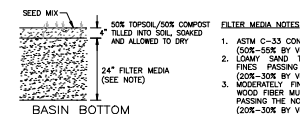
SINGLE PIPE SYSTEM



1. THE INSTALLER SHALL NOT ALLOW ANY VEHICULAR OR CONSTRUCTION EQUIPMENT TRAVEL TO OCCUR ACROSS THE PROPOSED BASIN AREA AT ANY TIME EXCEPT DURING EXCAVATION OF TRENCHES AND OTHER AREAS NECESSARY TO INSTALL AND MAINTAIN SUITABLE ROAD BEDDING CONDITIONS.
2. CAUTION SHOULD BE EXERCISED DURING SITE PREPARATION TO AVOID COMPACTION OF THE INFILTRATIVE SURFACE.
3. **SEED MIX**
NEW BERM ROADSIDE MATRIX MIX SEED MIX (MIN. 35 LBS/AC)
4. FILTER MEDIA SOIL SAMPLE TO BE PROVIDED TO THE ENGINEER PRIOR TO PLACEMENT. ON SITE MAKING OF MANUFACTURED SOIL MAY BE ACCEPTABLE PERENDING ENGINEER APPROVAL.
5. DO NOT DISCHARGE SEWAGE-LADEN WATERS FROM CONSTRUCTION ACTIVITIES (RUMFULT, BURNING, MANIPULATIONS) TO THE BASIN.
6. AFTER THE BASIN IS EXCAVATED TO THE FINAL DESIGN ELEVATION, THE FLOOR SHOULD BE DEEPLY TILLED WITH A ROTARY TILLAGE OR DISC HARROW TO RESTORE INFILTRATION RATES, AND THEN COVERED BY A PASS WITH A LEVYING AND GRADING ROLLER.
7. VEGETATION SHOULD BE ESTABLISHED IMMEDIATELY.
8. DO NOT PLACE FILTRATION SYSTEMS INTO SERVICE UNTIL THE CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.
9. THE INTERIOR SIDE SLOPES AND BASIN BOTTOM SHALL CONSIST OF 18" OF FILTER MEDIA SEE DETAIL BELOW.



FILTRATION



NOMINAL PIPE SIZE D	LENGTH OF BARS		FH		W
SIZE	3'-2"	3'-6"	3'-6"	0'-10"	1'-10"
12	4-2	4-6	3-9	1-1	1-11
15	4-2	4-6	3-9	1-1	1-11
18	5-2	5-6	4-0	1-4	2-0
24	7-2	7-6	4-6	1-10	2-10
30	9-2	9-6	5-0	2-4	2-13
36	11-2	11-6	5-6	2-10	4-5
42	13-2	13-6	6-0	3-4	5-6
48	15-2	15-6	6-6	3-10	7-5

TAX MAP J LOT 53

ROUTE 13 RETAIL FACILITY & OFFICE
34 NH ROUTE 13, BROOKLINE NH

OWNED BY
34 ON 13, LLC, PO BOX 273, BROOKLINE, NH 03033
PREPARED FOR
UDELSMAN ASSOCIATES, HOLLIS, NH 03049

APRIL 17, 2020



- Civil Engineers
- Structural Engineers
- Traffic Engineers
- Land Surveyors
- Landscape Architects
- Scientists

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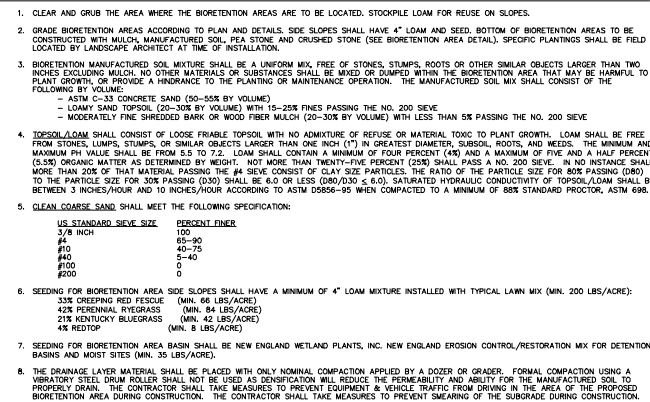
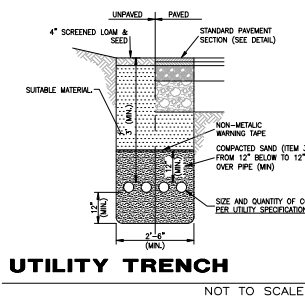
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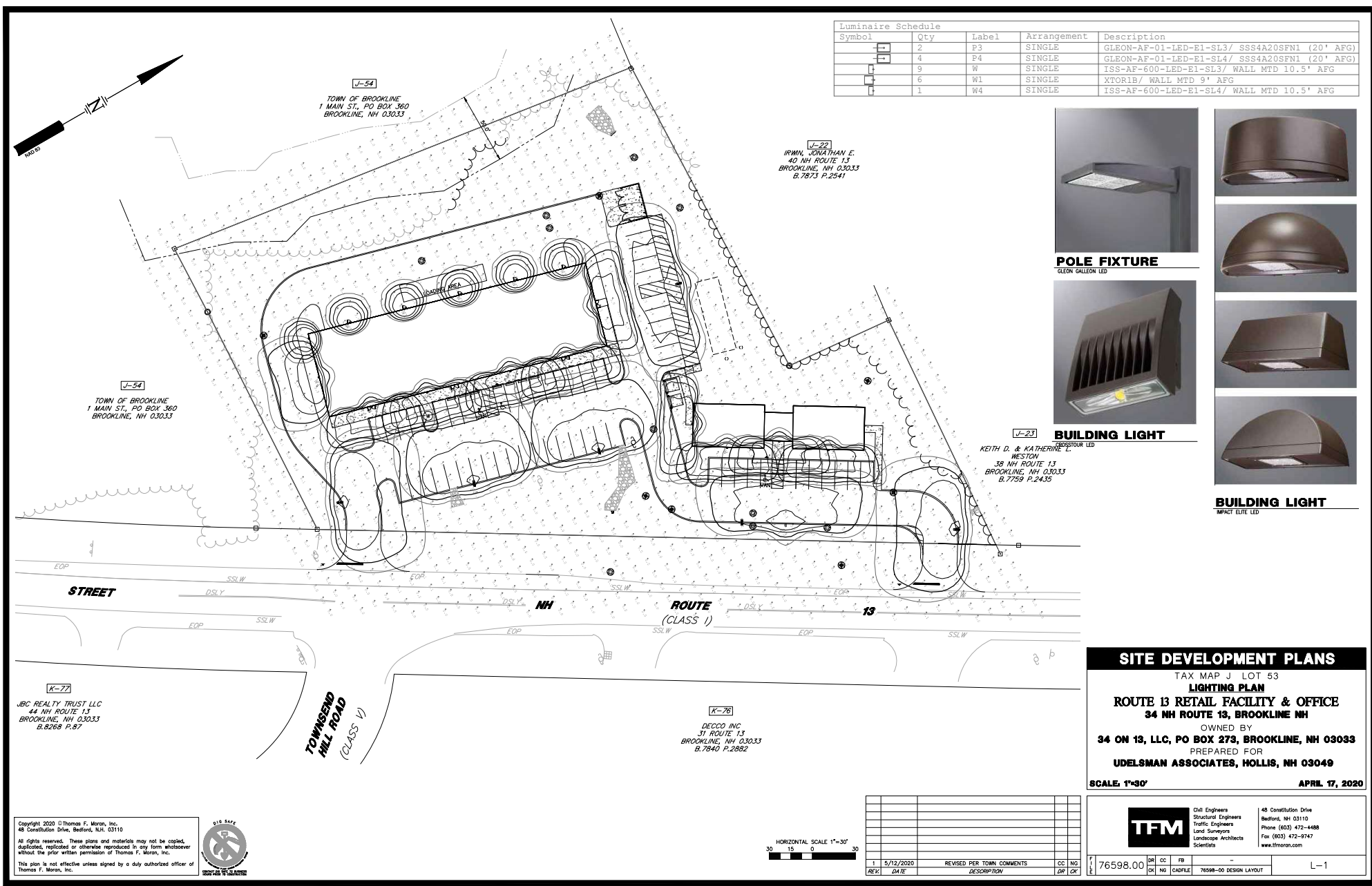
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Luminaire Schedule				
Symbol	Qty	Label	Arrangement	Description
	2	P3	SINGLE	GLEON-AF-01-LED-E1-SL3/ SSS4A20SFN1 (20' AFG)
	4	P4	SINGLE	GLEON-AF-01-LED-E1-SL4/ SSS4A20SFN1 (20' AFG)
	9	W	SINGLE	ISS-AF-600-LED-E1-SL3/ WALL MTD 10.5' AFG
	6	W1	SINGLE	XTOR1B/ WALL MTD 9' AFG
	1	W4	SINGLE	ISS-AF-600-LED-E1-SL4/ WALL MTD 10.5' AFG



POLE FIXTURE
GLEON GALLEON LED

BUILDING LIGHT
GLEON LED

BUILDING LIGHT
IMPACT FLEX LED

SITE DEVELOPMENT PLANS

TAX MAP J LOT 53

LIGHTING PLAN

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PREPARED FOR

UDELSMAN ASSOCIATES, HOLLIS, NH 03049

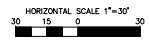
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APRIL 17, 2020

Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists

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1	5/12/2020	REVISED PER TOWN COMMENTS	CC	NG
REV	DATE	DESCRIPTION	DR	OK

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OK	OK	OK	CADFILE	OK		