- PROJECT LOCATION: 61 AND 65 WEST MAIN STREET, AND 10 MONROE STREET, NORTHBOROUGH, MA 01532.
- ASSESSOR'S MAP 63, LOT 9 PARCEL 2, LOT 10 PARCEL 1, AND LOT 7.
- EXISTING CONDITIONS MAPPING TAKEN FROM PLAN ENTITLED "EXISTING CONDITIONS PLAN 61-65 WEST MAIN STREET NORTHBOROUGH, MA" PREPARED BY CHAPPELL ENGINEERING ASSOCIATES, LLC, DATED SEPTEMBER 1, 2023. DATUMS: HORIZONTAL: NAD 83, VERTICAL: NAVD 88.

### **GENERAL NOTES**

- THE COMMONWEALTH OF MASSACHUSETTS STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGE CONSTRUCTION, 2021 EDITION OR LATEST REVISION, AND THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION CONSTRUCTION STANDARD DETAILS ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO. ALL WORK SHALL MEET OR EXCEED THE MASSACHUSETTS STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, WITH LATEST REVISIONS. THE LATEST REVISION OF THE STANDARD SPECIFICATIONS MAY BE OBTAINED AT THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION.
- THE CONTRACTOR SHALL MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS, PAY ALL FEES AND POST ALL BONDS ASSOCIATED WITH THE SAME, AND COORDINATE WITH THE ENGINEER AND OWNER'S REPRESENTATIVE AS REQUIRED.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY. THE CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AND/OR BARRIERS AROUND ALL OPEN EXCAVATED AREAS IN ACCORDANCE WITH OSHA FEDERAL, STATE, AND LOCAL REQUIREMENTS.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED. NO FIELD ADJUSTMENTS IN THE LOCATION OF SITE ELEMENTS SHALL BE MADE WITHOUT THE ENGINEERS APPROVAL.
- IF ANY DEVIATION OR ALTERATION OF THE WORK PROPOSED ON THESE DRAWINGS IS REQUIRED, THE CONTRACTOR SHALL IMMEDIATELY CONTACT AND COORDINATE ANY DEVIATIONS WITH THE ENGINEER AND OWNER.
- ANY AREA OUTSIDE OF THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE
- ALL SITE WORK SHALL MEET OR EXCEED THE SITE WORK SPECIFICATIONS PREPARED FOR THIS PROJECT
- ALL SIGNS SHALL BE REFLECTORIZED TYPE III SHEETING AND CONFORM WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST REVISION.
- ALL UTILITIES (LOCATION AND ELEVATION) DEPICTED SHALL BE CONSIDERED APPROXIMATE ONLY. BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-DIG-SAFE (1-888-344-7233) TO ACCURATELY LOCATE UNDERGROUND UTILITIES. ALL DAMAGE TO EXISTING UTILITIES OR STRUCTURES, AND THE COST TO REPAIR THE DAMAGES TO INITIAL CONDITIONS, AS SHOWN ON THE PLANS SHALL BE THE CONTRACTOR'S
- 10. NO EXCAVATION SHALL BE DONE UNTIL COMPANIES ARE PROPERLY NOTIFIED IN ADVANCE. NOTE THAT NOT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL RESPECTIVE UTILITY COMPANIES TO VERIFY AND LOCATE EXISTING UTILITIES.

### LAYOUT NOTES

- 1. ALL LINES ARE PERPENDICULAR OR PARALLEL TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.
- ACCESSIBLE RAMPS SHALL BE PER THE AMERICAN WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES AND CODE OF MASSACHUSETTS REGULATIONS (CMR) TITLE 521 OF THE ARCHITECTURAL ACCESS BOARD REGULATIONS.
- PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL PERFORM BENCHMARK FIELD LEVEL VERIFICATION AND COORDINATE LAYOUT CHECK. THE CONTRACTOR SHALL CONTACT PARE CORPORATION IF ANY DISCREPANCIES ARE FOUND.
- DIMENSIONS OF PARKING SPACES AND DRIVEWAYS ARE FROM FACE OF CURB TO FACE OF CURB. DIMENSIONS FROM BUILDING ARE FROM FACE OF
- BUILDING TO FACE OF CURB. ALIGN WALKWAYS ON DOORWAYS THEY SERVE TO PROVIDE MINIMUM REQUIRED MANEUVERING CLEARANCE IN ACCORDANCE WITH THE AMERICAN WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES AND CODE OF MASSACHUSETTS REGULATIONS (CMR) TITLE 521 OF THE ARCHITECTURAL ACCESS

### DEMOLITION NOTES

BOARD REGULATIONS.

- THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION OF STRUCTURES, PAVEMENT AND CONCRETE MATERIALS, AND UTILITIES WITH APPROPRIATE PROPOSED SITE GENERAL, GRADING, UTILITY, AND LANDSCAPING DRAWINGS.
- ALL NOTED UTILITIES TO BE REMOVED AND DISPOSED OF, RELOCATED OR CAPPED REPRESENT ALL KNOWN SITE CONDITIONS TO BE DEMOLISHED. THE CONTRACTOR SHALL COORDINATE ALL UNFORESEEN CONDITIONS WITH THE PROJECT ENGINEER, OWNER AND/OR RESPECTIVE UTILITY COMPANIES PRIOR TO PROCEEDING WITH WORK.
- WATER, SEWER, DRAINAGE, GAS, AND OTHER SITE UTILITIES SERVICING THE EXISTING FACILITIES ARE TO REMAIN ACTIVE THROUGHOUT CONSTRUCTION.
- 4. THERE SHALL BE NO INTERRUPTION OF UTILITY SERVICES DURING THE CONSTRUCTION OPERATION WITHOUT APPROVAL OF THE OWNER.

# GRADING AND UTILITY NOTES

- UNDERGROUND UTILITIES DEPICTED WERE COMPILED FROM AVAILABLE RECORD PLANS AND SHALL BE CONSIDERED APPROXIMATE ONLY. BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-DIG-SAFE (1-888-344-7233) TO ACCURATELY LOCATE UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES DEPICTED OR NOT DEPICTED ON THE PLANS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. COSTS TO REPAIR SUCH DAMAGES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. NO EXCAVATION SHALL BE DONE UNTIL UTILITY COMPANIES ARE PROPERLY
- ALL WORK PERFORMED AND ALL MATERIALS FURNISHED SHALL CONFORM WITH THE LINES AND GRADES ON THE PLANS AND SITE WORK SPECIFICATIONS.
- 3. AT ALL LOCATIONS WHERE EXISTING CURBING OR PAVEMENT ABUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT AND CURBS SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS.
- ALL UTILITY COVERS, GRATES, ETC. SHALL BE ADJUSTED TO BE FLUSH WITH THE SURROUNDING SURFACE OR PAVEMENT FINISH GRADE. RIM ELEVATIONS OF STRUCTURES AND MANHOLES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH AND CONSISTENT WITH THE GRADING PLANS.
- 5. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION OF PRIVATE UTILITIES BY THE UTILITY COMPANIES, AS REQUIRED.
- WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION SHALL BE PROVIDED ON A SKETCH TO SCALE OF THE EXISTING UTILITY WITH TIES TO KNOWN POINTS, PHOTOS AND FURNISHED TO THE ENGINEER FOR RESOLUTION.
- THE CONTRACTOR SHALL PROTECT ALL UNDERGROUND DRAINAGE, SEWER AND UTILITY FACILITIES FROM EXCESSIVE VEHICULAR LOADS DURING CONSTRUCTION. ANY DAMAGE TO THESE FACILITIES RESULTING FROM CONSTRUCTION LOADS SHALL BE RESTORED TO ORIGINAL CONDITION.
- 8. GAS, ELECTRIC, AND COMMUNICATIONS ROUTING ARE SUBJECT TO REVIEW AND APPROVAL BY APPROPRIATE UTILITY COMPANIES.
- 9. DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES BY PROVIDING TEMPORARY SUPPORTS OR SHEETING AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
- 10. ALL GRAVITY SANITARY PIPING SHALL BE SDR-35 PVC. ALL SEWER CONSTRUCTION SHALL CONFORM TO THE TOWN OF NORTHBOROUGH WATER AND SEWER COMMISSION REGULATIONS.
- 11. ALL WATER LINE BENDS AND TEES SHALL BE REINFORCED WITH THRUST BLOCKS. ALL WATER DISTRIBUTION PIPING AND FITTINGS MUST ADHERE TO THE TOWN OF NORTHBOROUGH WATER AND SEWER COMMISSION REGULATIONS SPECIFICATIONS AND SHALL BE INSPECTED BEFORE, DURING, AND AFTER CONSTRUCTION PRIOR TO TAPPING THE SERVICE MAIN.
- 12. EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.
- 13. PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MIN. OF 1/8" PER FOOT UNLESS SPECIFIED.
- 14. THE PROPOSED WALKWAYS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2% AND A MAXIMUM RUNNING SLOPE OF 5% AS SHOWN ON CONSTRUCTION DETAILS AND GRADING PLAN.

# STATE RIGHT-OF-WAY NOTES

- ALL WORK TO BE PERFORMED WITHIN THE COMMON WEALTH OF MASSACHUSETTS PUBLIC RIGHT-OF-WAY (ROW) SHALL CONFORM TO THE MASSDOT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGE CONSTRUCTION, 1988 EDITION OR LATEST REVISION, AND THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION CONSTRUCTION STANDARD DETAILS.
- THE CONTRACTOR SHALL APPLY FOR AND OBTAIN A UTILITY PERMIT FROM THE MASSDOT FOR UTILITY WORK WITHIN THE PUBLIC ROW AND MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS, PAY ALL FEES AND POST ALL BONDS ASSOCIATED WITH THE SAME, AND COORDINATE WITH THE ENGINEER AND OWNER'S REPRESENTATIVE AS REQUIRED.
- 3. THE CONTRACTOR SHALL PREPARE A TRANSPORTATION MANAGEMENT PLAN INCLUDING A TEMPORARY TRAFFIC CONTROL PLAN AS REQUIRED FOR THE MASSDOT UTILITY PERMIT APPLICATION AT NO ADDITIONAL EXPENSE TO THE OWNER.
- 4. ALL TEMPORARY TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), LATEST

### **EROSION AND SEDIMENTATION CONTROL NOTES - MASSACHUSETTES**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROLS IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION AGENCY'S (EPA) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION GENERAL PERMIT (CGP) AND THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL PREPARE AND SUBMIT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PRIOR TO CONSTRUCTION.
- SOIL EROSION AND SEDIMENTATION CONTROLS SHALL BE PROVIDED IN ACCORDANCE WITH THE "MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS" AND THE NOTES AND DETAILS SHOWN IN THIS PLAN SET.
- THE EROSION AND SEDIMENTATION CONTROLS SHOWN ON THE PLANS ARE INTENDED TO REPRESENT THE MINIMUM CONTROLS NECESSARY TO MEET ANTICIPATED SITE CONDITIONS. ADDITIONAL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
- REQUIRED PERIMETER CONTROL SHALL BE PROPERLY ESTABLISHED, CLEARLY VISIBLE AND IN OPERATION PRIOR TO INITIATING ANY LAND CLEARING ACTIVITY AND/OR OTHER CONSTRUCTION RELATED WORK. SUCH FACILITIES SHALL REPRESENT THE LIMIT OF WORK, WORKERS SHALL BE INFORMED THAT NO CONSTRUCTION ACTIVITY IS TO OCCUR BEYOND THE LIMIT OF WORK AT ANY TIME THROUGHOUT THE CONSTRUCTION PERIOD.
- AS FEASIBLE, CONSTRUCTION SHALL BE PHASED TO LIMIT THE AREA OF EXPOSED SOIL AND THE DURATION OF EXPOSURE. ALL DISTURBED AREAS SHALL BE TEMPORARILY AND/OR PERMANENTLY STABILIZED WITHIN 14 DAYS FOLLOWING COMPLETION OF GRADING ACTIVITIES.
- THE CONTRACTOR SHALL INSPECT AND MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A WEEKLY BASIS AND AFTER EACH STORM EVENT OF 0.25 INCH OR GREATER DURING CONSTRUCTION TO ENSURE THAT THE EROSION CONTROL BARRIERS ARE INTACT.
- CLEAN AND MAINTAIN SEDIMENTATION CONTROL BARRIERS WHEN SEDIMENT ACCUMULATES TO ONE HALF THE HEIGHT OF THE BARRIER. MATERIAL COLLECTED FROM THE SEDIMENTATION BARRIER SHALL BE REMOVED AS NECESSARY AND DISPOSED IN AN UPLAND AREA.
- 10. THE CONTRACTOR SHALL MAINTAIN A SUFFICIENT RESERVE OF VARIOUS EROSION CONTROL MATERIALS ONSITE AT ALL TIMES FOR EMERGENCY PURPOSES OR ROUTINE MAINTENANCE.
- THE CONTRACTOR SHALL SCHEDULE HIS WORK TO ALLOW THE FINISHED SUB GRADE ELEVATIONS TO DRAIN PROPERLY WITHOUT PUDDLING. SPECIFICALLY, ALLOW WATER TO ESCAPE WHERE PROPOSED CURB MAY RETAIN RUNOFF PRIOR TO PAVING. PROVIDE TEMPORARY POSITIVE DRAINAGE, AS REQUIRED, TO STABILIZED DISCHARGE POINTS.
- 12. SOIL AND OTHER MATERIALS RESULTING FROM SITE CLEARING MAY BE RECYCLED AND/OR REUSED ON THE SITE AS APPROPRIATE. WASTE MATERIALS SHALL BE REMOVED FROM THE SITE.
- CRUSHED STONE CONSTRUCTION ENTRANCES SHALL BE ESTABLISHED AT ALL POINTS OF INGRESS AND EGRESS.
- TEMPORARY DIVERSIONS (TD) MAY CONSIST OF A DITCH OR SWALE, OR MAY BE ACHIEVED USING WOOD CHIP PILES, COIR LOGS, OR SIMILAR MATERIALS.
- TEMPORARY SEDIMENT TRAPS (TST) AND TEMPORARY SWALES (TS) SHALL BE SIZED BY THE CONTRACTOR USING THE PARAMETERS CONTAINED IN THE
- MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES.
- REPRESENTATIVE. 17. CATCH BASINS AND STORM DRAINS SHALL BE PROTECTED WITH HAY BALES OR SEDIMENT BAGS IN PAVED AREAS UNTIL CONTRIBUTING AREA IS

16. DUST SHALL BE CONTROLLED BY SPRINKLING OR OTHER APPROVED METHODS AS NECESSARY, OR AS DIRECTED BY THE OWNER OR OWNER'S

- PERMANENTLY STABILIZED.
- DEWATERING WASTEWATER PUMPED FROM EXCAVATIONS SHALL BE CONVEYED BY HOSE TO AN UPLAND AREA AND DISCHARGED INTO A DEWATERING BASIN, HAY BALE CORRALS, OR SEDIMENTATION BAGS.
- CONSTRUCTION SITE WASTE MATERIALS SHALL BE PROPERLY CONTAINED ONSITE AND DISPOSED OFF SITE AT A LOCATION IN ACCORDANCE WITH THE LOCAL AND STATE REGULATIONS.
- RIPRAP OR OTHER ENERGY DISSIPATERS SHALL BE USED WHERE NECESSARY TO CONTROL EROSION.
- ANY EQUIPMENT THAT IS NOT READILY MOBILE (TRACK MACHINERY) SHALL BE PARKED WITHIN THE PROJECT LIMIT OF DISTURBANCE. LARGE AND/OR BULKY MATERIALS SHALL BE STORED SUCH THAT THEY DO NOT INTERFERE WITH THE ONGOING CONSTRUCTION ACTIVITIES OR EROSION CONTROL
- NEWLY VEGETATED AREAS SHALL BE REGULARLY INSPECTED AND MAINTAINED TO ENSURE THE ESTABLISHMENT OF STABLE VEGETATED SURFACES.
- 23. THE CONTRACTOR SHALL NOT REMOVE ANY COMPOST FILTER SOCKS OR OTHER EROSION CONTROLS UNTIL THE CONTRIBUTING AREA IS PERMANENTLY STABILIZED.
- ALL DRAINAGE STRUCTURES SHALL BE CLEARED OF ACCUMULATED SEDIMENT PRIOR TO ACCEPTANCE OF THE FINAL PROJECT. THE CONTRACTOR SHALL SCHEDULE HIS WORK TO ALLOW THE FINISHED SUB GRADE ELEVATIONS TO DRAIN PROPERLY WITHOUT PONDING. SPECIFICALLY, ALLOW WATER TO ESCAPE WHERE PROPOSED CURB MAY RETAIN RUNOFF PRIOR TO APPLICATION OF SURFACE PAVING. PROVIDE TEMPORARY POSITIVE DRAINAGE,
- INSTALLATION OF THE EROSION CONTROL BARRIERS AS ILLUSTRATED IS INTENDED TO REPRESENT THE MINIMUM SEDIMENTATION CONTROL FACILITIES NECESSARY TO MEET ANTICIPATED SITE CONDITIONS. ADDITIONAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
- 26. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS UPON COMPLETION OF WORK IN THAT AREA.

# STORMWATER MANAGEMENT SYSTEM INSPECTION AND MAINTENANCE NOTES

# DURING CONSTRUCTION (CONTRACTOR'S RESPONSIBILITY)

- THE CONTRACTOR SHALL REMOVE SEDIMENT AND DEBRIS FROM ALL CATCH BASINS, MANHOLES, AND THE DRAINAGE SYSTEM ON A ROUTINE BASIS, IMMEDIATELY FOLLOWING SITE STABILIZATION, AND PRIOR TO PROJECT COMPLETION AND ACCEPTANCE.
- 2. THE CLOSED DRAINAGE SYSTEM AND ASSOCIATED STRUCTURES SHALL BE CLEANED AND FLUSHED BY THE CONTRACTOR AT THE COMPLETION OF CONSTRUCTION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION AND MAINTENANCE OF THE DRAINAGE SYSTEM UNTIL ACCEPTANCE OF THE SYSTEM BY THE ENGINEER AND THE TOWN OF. FOLLOWING ACCEPTANCE OF THE PROPOSED DRAINAGE SYSTEM, THE OWNER OF THE SITE SHALL BE RESPONSIBLE FOR THE LONG-TERM INSPECTION AND MAINTENANCE OF THE DRAINAGE SYSTEM.
- 3. ANY ACCUMULATION OF PONDING WATER IN AREAS WITHIN THE LIMITS OF DISTURBANCE, OTHER THAN DESIGNATED AREAS, SHALL BE REMOVED ACCORDINGLY AND PREVENTED IN THE FUTURE.

# POST CONSTRUCTION (OWNER'S RESPONSIBILITY)

- TRASH, LITTER, SEDIMENT AND OTHER DEBRIS SHALL BE REMOVED FROM ANY STORMWATER MANAGEMENT SYSTEM FACILITY (INCLUDING BUT NOT LIMITED TO CATCH BASINS, MANHOLES, INLET, OUTLET AND DIVERSION STRUCTURES, AND STORMWATER BEST MANAGEMENT PRACTICES (BMPs)) A MINIMUM OF TWO TIMES PER YEAR, PREFERABLY IN THE SPRING AND FALL
- 2. THE PARKING LOT AND ENTRY DRIVE SHALL BE SWEPT BY THE OWNER AS EARLY AS POSSIBLE EVERY SPRING AND ONCE IN THE FALL TO REMOVE SEDIMENTS.
- 3. ALL CLEANING AND MAINTENANCE OF STORMWATER MANAGEMENT SYSTEMS POST-CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE OWNER.

#### SEDIMENT FOREBAY INSPECTION. MAINTENANCE, AND REPAIR NOTES FOLLOWING CONSTRUCTION, THE COMPLETION OF THE INSPECTION AND MAINTENANCE REQUIREMENTS BELOW SHALL BE THE RESPONSIBILITY OF THE

- 1. SEDIMENT FOREBAY SHALL BE INSPECTED A MINIMUM OF TWO TIMES PER YEAR AND AFTER EVERY STORM OF 2.7" INCH OR GREATER FOR TRASH, DEBRIS, SEDIMENT, EROSION, STANDING WATER, AND OVERALL PERFORMANCE. DEFECTS SHALL BE REPAIRED BY THE OWNER.
- 2. SEDIMENT FOREBAYS SHALL BE CLEANED IF SEDIMENT REACHES HALF THE DESIGN DEPTH.
- SEDIMENT FOREBAY CHECK DAMS SHALL BE REPLACED IF DRAWDOWN TIMES WITHIN THE SEDIMENT FOREBAY EXCEED 48 HOURS FOLLOWING THE STORM EVENT.
- 4. ALL SEDIMENTS REMOVED SHALL BE DISPOSED OF AT AN APPROVED AND PERMITTED LOCATION.
- 5. VEGETATION SHALL NOT EXCEED 18" IN HEIGHT IN THE SEDIMENT FOREBAYS.

### BIORETENTION AREA INSPECTION, MAINTENANCE, AND REPAIR NOTES

- FOLLOWING FIRST 6 MONTHS AFTER CONSTRUCTION
- INSPECT BIORETENTION AREA AFTER FIRST TWO RAINFALL EVENTS OF 1" OR MORE.
- 2. FOLLOWING STORM EVENTS WITH RAINFALL EXCEEDING 2.7" INSPECT BIORETENTION AREA FOR TRASH, DEBRIS, SEDIMENT, EROSION, STANDING WATER, AND OVERALL PERFORMANCE. DEFECTS SHALL BE REPAIRED BY OWNER.

### 3. BI-ANNUALLY

- INSPECT BIORETENTION AREA A MINIMUM OF TWO TIMES PER YEAR, PREFERABLY IN APRIL AND OCTOBER. SEDIMENT SHALL BE REMOVED. FROM BIORETENTION AREA IF THE SEDIMENT EXCEEDS 1".
- MOW SIDE SLOPES AND BOTTOM OF BIORETENTION AREA A MINIMUM OF TWO TIMES PER YEAR.

### 4. QUARTERLY

- INSPECT BIORETENTION AREA OUTLET CONTROL STRUCTURE AND ALL OVERFLOW CHANNELS. THE OWNER SHALL STABILIZE ERODED BANKS AND REPAIR ERODED AREAS AT INFLOW AND OUTFLOW STRUCTURES AS NECESSARY.
- 5. IF SEDIMENT BUILD-UP HAS LIMITED THE FILTERING CAPABILITIES TO BELOW THE DESIGN RATE OR PONDING HAS EXCEEDED 48 HOURS THE FOLLOWING SHALL BE COMPLETED: THE TOP 6" OF SOIL SHALL BE REMOVED AND DISPOSED AT A PERMITTED LOCATION.
- THE EXPOSED SURFACE SHALL BE SCARIFIED. THE TOP 6" SHALL BE RESTORED TO THE ORIGINAL DESIGN SPECIFICATIONS WITH A SANDY LOAM TOPSOIL
- 6. TRASH AND DEBRIS SHALL BE REMOVED FROM BIORETENTION AREA AS NECESSARY.

### UNDERGROUND INFILTRATION/DETENTION SYSTEM BASIN INSPECTION, MAINTENANCE, AND REPAIR NOTES

FOLLOWING CONSTRUCTION, THE COMPLETION OF THE INSPECTION AND MAINTENANCE REQUIREMENTS BELOW SHALL BE THE RESPONSIBILITY OF THE

- THE SYSTEM SHALL BE MAINTAINED AS RECOMMENDED BY THE MANUFACTURER.
- 2. FOLLOWING STORM EVENTS WITH RAINFALL EXCEEDING 2.7" INSPECT INFILTRATION/DETENTION SYSTEM FOR TRASH, DEBRIS, SEDIMENT, EROSION, STANDING WATER, AND OVERALL PERFORMANCE. DEFECTS SHALL BE REPAIRED BY THE OWNER.

OWNER.

- BI-ANNUALLY INSPECTIONS SHALL BE PERFORMED A MINIMUM OF TWO TIMES PER YEAR ON THE INSPECTION PORTS AND DRAINAGE STRUCTURES OF THE UNDERGROUND INFILTRATION/DETENTION SYSTEM TO ENSURE PROPER OPERATION OF THE SYSTEM.
- JETVAC MAINTENANCE IS RECOMMENDED IF SEDIMENT HAS BEEN COLLECTED TO A DEPTH OF 3" IN THE PRETREATMENT ROW. MORE FREQUENT MAINTENANCE MAY BE REQUIRED TO MAINTAIN MINIMUM FLOW RATES THROUGH THE PRETREATMENT ROW. THE JETVAC PROCESS SHALL ONLY BE PERFORMED ON THE PRETREATMENT ROW.

### TREE BOX FILTER INSPECTION, MAINTENANCE, AND REPAIR NOTES

FOLLOWING CONSTRUCTION, THE COMPLETION OF THE INSPECTION AND MAINTENANCE REQUIREMENTS BELOW SHALL BE THE RESPONSIBILITY OF THE

- 1. THE TREE FILTER SHALL BE INSPECTED AFTER EVERY MAJOR STORM OF 2.8" OR GREATER FOR TRASH, DEBRIS, SEDIMENT, EROSION, STANDING WATER, AND OVERALL PERFORMANCE. DEFECTS SHALL BE REPAIRED BY THE OWNER.
- OWNER SHALL RE-MULCH TREE BOX FILTERS IN SPRING EVERY YEAR.
- REMOVE ACCUMULATED SEDIMENT FROM THE FILTER AREA ANNUALLY IN THE SPRING OR IF SEDIMENT EXCEEDS 1 INCH IN THE FILTER AREA. REMOVE ACCUMULATED SEDIMENT FROM THE SEDIMENT FOREBAY QUARTERLY OR IF SEDIMENT REACHES HALF THE DESIGN DEPTH OR MORE.
- 4. THE TREE BOX FILTERS SHALL BE INSPECTED AFTER THE FIRST TWO STORM EVENTS OF 1" OR MORE IN THE FIRST 6 MONTHS AFTER
- IF PONDING EXCEEDS 48 HOURS, REMOVE AND REPLACE DISCOLORED SURFACE MATERIAL.
- 6. IF RUNOFF TAKES MORE THAN 36 HOURS TO FLOW FROM THE SEDIMENT FOREBAY TO THE TREE BOX FILTERS, THE SPILLWAY SHALL BE CLEANED.

# QUALIFYING PERVIOUS AREA INSPECTION, MAINTENANCE, AND REPAIR NOTES

FOLLOWING CONSTRUCTION, THE COMPLETION OF THE INSPECTION AND MAINTENANCE REQUIREMENTS BELOW SHALL BE THE RESPONSIBILITY OF THE

- THE QUALIFYING PERVIOUS AREAS (QPA'S) MUST BE INSPECTED A MINIMUM OF TWO TIMES PER YEAR FOR SEDIMENT, PONDING, EROSION, AND VEGETATION.
- REMOVE ACCUMULATED SEDIMENT FROM THE QPA'S IF SEDIMENT EXCEEDS 1".
- OWNER SHALL REPAIR ANY SLOPES THAT HAVE BEEN DAMAGED DUE TO EROSION OR OTHER MEANS. OWNER SHALL REPLACE ANY VEGETATION THAT HAS DIED OR BEEN DAMAGED.
- 4. OWNER SHALL MOW GRASS WITHIN THE QPA A MINIMUM OF TWO TIMES ANNUALLY TO MAINTAIN A MINIMUM GRASS HEIGHT OF 6"
- 5. TRASH AND DEBRIS SHALL BE REMOVED FROM THE QPA'S AS NECESSARY.

ZONING TABLE				
EXISTING ZONE: DB-DOWNTOWN BUSINESS				
TOTAL LOT AREA MAP 63 LOT 9 PARCEL 2 = 0.55 ACRES  MAP 63 LOT 10 PARCEL 1 = 2.73 ACRES  MAP 63 LOT 7 = 0.43 ACRES				
BUILDING AREA 30,000 ± SF				
	REQUIRED	PROVIDED		
BUILDING SETBACK				
FRONT SETBACK	6 FT	39 FT		
SIDE SETBACK	NONE	57 FT		
REAR SETBACK	NONE	121 FT		
MAX. FRONT SETBACK	20 FT	44 FT		
MIN. LOT FRONTAGE	50 FT	411 FT		
MAX. BUILDING HEIGHT	45 FT	BLDG 42 FT & TOWER 60 FT ±		
MIN. OPEN SPACE	15%	>15%		
MIN. LOT AREA	4,000 SF	161,531 SF (3 LOTS)		

PARKING SUMMARY		
	REQUIRED*	PROVIDED
STANDARD SPACES (9'x18')	50	50
ACCESSIBLE SPACES**	3	3
TOTAL SPACES	53	53

\* BASED ON PROGRAMMING NEEDS 23 EMPLOYEE SPACES (16 FIRE STAFF, 7 ADMINISTRATION)

30 VISITOR SPACES

\*\* ADA REQUIREMENT FOR PARKING LOT 51 TO 75 TOTAL SPACES = 3 SPACES

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Registrations

Revision Schedule



508-543-1755

Drawing set

Drawn by 2/14/2024 23141.00 Job number DRAFT ADVANCED SCHEMATIC DESIGN

#### EXIST (or EX) EXISTING **ABBREVIATIONS EXCAVATION** <u>GENERAL</u> FRAME AND COVER FRAME AND GRATE ANNUAL AVERAGE DAILY TRAFFIC FIRE DEPARTMENT CONNECTION ABAN ABANDON FOUNDATION ADA AMERICANS WITH DISABILITIES ACT FLARED END SECTION ADJ ADJUST FINISH FLOOR ELEVATION APPROX APPROXIMATE FIELDSTONE ASPHALT CONCRETE FOUND ASPHALT COATED CORRUGATED METAL PIPE FOOT AREA SUBJECT TO STORM FLOWAGE ASSF GARAGE ATD ASPHALT TURNDOWN GROUND ATG ADJUST TO GRADE GAS GATE **BITUMINOUS BERM GUTTER INLET** BOTTOM OF CURB (FINISHED GRADE ON LOW SIDE OF CURB) GALVANIZED IRON PIPE BOUND GRANITE BITUMINOUS GRAVEL BASELINE GUARD BUILDING GRADE TO DRAIN BENCHMARK **GATE VALVE** BEST MANAGEMENT PRACTICE HANDICAP ACCESSIBLE PARKING SIGN BY OTHERS HEAVY DUTY BITUMINOUS CONCRETE BOLLARD HIGH DENSITY POLYETHYLENE PIPE BOS BOTTOM OF SLOPE HANDICAP ACCESSIBLE PARKING SIGN BOT BOTTOM HEADWALL BLACKOUT PAVEMENT MARKING HOT MIX ASPHALT HOT MIXED ASPHALT WALKWAY BOTTOM OF STAIR (FINISHED GRADE AT BOTTOM STAIR) HORIZONTAL BOTTOM OF WALL (FINISHED GRADE ON LOW SIDE OF WALL) HEADWALL PROTECTION RACK **BROKEN WHITE LINE** HYDRANT BROKEN YELLOW LINE INSIDE DIAMETER CURVE LENGTH INVERT CATCH BASIN JUNCTION CBCI CATCH BASIN WITH CURB INLET LENGTH OF CURVE CEMENT CONCRETE LEACH BASIN CEMENT CONCRETE MASONRY LIMIT OF DISTURBANCE CCW CEMENT CONCRETE WALK LOW POINT CD CHECK DAM LICENSE PLATE READER CONSTRUCTION ENTRANCE LOAM AND SEED CEM CEMENT LOAM AND SOD COMPOST FILTER SOCK LEFT CLEAR AND GRUB VEGETATION LIGHT POLE CHORD LENGTH MAXIMUM CURB INLET MAILBOX CAST IRON PIPE MCW MONOLITHIC CONCRETE WALK CONSTRUCTION JOINT MANHOLE CENTERLINE MINIMUM CEMENT-LINED DUCTILE IRON MONITORING CHAIN LINK FENCE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION CLSM CONTROLLED LOW STRENGTH MATERIAL NOT IN CONTRACT CLR CLEAR NUMBER CLS NTS NOT TO SCALE CM SAWCUT AND MATCH OUTLET CONTROL STRUCTURE ocs CMP CORRUGATED METAL PIPE OUTSIDE DIAMETER CLEANOUT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION CONC CONCRETE OIL WATER SEPARATOR CONTINUOUS POINT OF CURVATURE CONSTRUCTION PCC POINT OF COMPOUND CURVATURE CP CONCRETE PAD PRECAST CONCRETE FLARED END SECTION CR GR CROWN GRADE PCTC PRECAST CONCRETE TRANSITION CURB CSP CORRUGATED STEEL PIPE PCR PEDESTRIAN CURB RAMP CSTR CONCRETE STAIRS POLYETHYLENE CTE CONNECT TO EXISTING PERFORATED CW CROSSWALK PROFILE GRADE LINE DEMOLITION POROUS HOT MIXED ASPHALT PAVEMENT DET DETECTABLE POINT OF INTERSECTION DESIGN HOURLY VOLUME POST INDICATOR VALVE DROP INLET POINT ON CURVE DIAMETER POINT ON TANGENT DUCTILE IRON PIPE PAVEMENT MARKING DIVERSION POINT OF REVERSE CURVATURE DRAIN MANHOLE PROJ PROJECT DTP DRIPLINE TREE PROTECTION PROPOSED DOTTED WHITE LINE PLANTABLE SOIL BORROW DWLEx DOTTED WHITE LINE EXTENSION POINT OF TANGENCY DBWL DOUBLE WHITE LINE POINT OF VERTICAL CURVATURE DWP DETECTABLE WARNING PAVER POLYVINYL CHLORIDE DOTTED YELLOW LINE POINT OF VERTICAL INTERSECTION DYLEx DOTTED YELLOW LINE EXTENSION POINT OF VERTICAL TANGENCY DBYL DOUBLE YELLOW LINE PAVEMENT

PWW

R&R

PAVED WATER WAY

REMOVE AND DISPOSE

REMOVE AND RESET

REMOVE AND STACK

RADIUS

RAILING

QUALIFYING PERVIOUS AREA

STEADY DON'T WALK - PORTLAND ORANGE

EXISTING TO REMAIN. PROTECT DURING CONSTRUCTION.

DRIVEWAY

**ELEVATION** 

**EMBANKMENT** 

**EXPANSION JOINT** 

ELECTRIC MANHOLE

EDGE OF PAVEMENT

DWY

EMB

EOP

ETR

ELEV (or EL)

RCP	REINFORCED CONCRETE PIPE
RDWY	ROADWAY
REM	REMOVE
RET	RETAIN
RET WALL	
RRLS	RIPRAP LEVEL SPREADER
ROW	RIGHT OF WAY
RR	RAILROAD
RRS	RIPRAP SLOPE
RS	RIPRAP SPILLWAY
RT	RIGHT
RTAD	REFER TO ARCHITECTURAL DRAWINGS
RTED	REFER TO ELECTRICAL DRAWINGS
RTFPD	REFER TO FIRE PROTECTION DRAWINGS
RTLD	REFER TO LANDSCAPE DRAWINGS
RTMD	REFER TO MECHANICAL DRAWINGS
RTPD	REFER TO PLUMBING DRAWINGS
RTSD	REFER TO STRUCTURAL DRAWINGS
S=	SLOPE
SB	SAND BAG EROSION CONTROL BARRIER
SDR	STANDARD DIMENSIONAL RATIO
SED	SEDIMENT
SESC	SOIL EROSION AND SEDIMENT CONTROL
SFL	STATE FREEWAY LINE
SFCD	SEDIMENT FOREBAY CHECK DAM
SG	SWING GATE
SHL	STATE HIGHWAY LINE
SHLD	SHOULDER
SHLO	STATE HIGHWAY LAYOUT
SHP	HANDICAP PARKING PAVEMENT MARKING
SM	SEDIMENT MARKER
SMH	SEWER MANHOLE
SSD	STOPPING SIGHT DISTANCE
ST	STREET
STA	STATION
SW	SIDEWALK
SWL	SINGLE SOLID WHITE LINE
SWR	SEWER
SYL	SINGLE SOLID YELLOW LINE
T=	TANGENT DISTANCE OF CURVE/TRUCK %
TAN	TANGENT
TD	TEMPORARY DIVERSION
TEMP	TEMPORARY
TC	TOP OF CURB
TDS	TEMPORARY DIVERSION SWALE
TGP	TREE GROUP PROTECTION
TIP	TEMPORARY INLET PROTECTION
TMH	TELEPHONE MANHOLE
TOS	TOP OF SLOPE
TP	TEST PIT
TRAN	TRANSITION
TRM	TURF REINFORCEMENT MAT
TS	TOP OF STAIR (FINISHED GRADE OF TOP STAIR)
TST	TEMPORARY SEDIMENT TRAP
TSW	TEMPORARY SWALE
TW	TOP OF WALL
TYP	TYPICAL
UP	UTILITY POLE
VAR	VARIES
VERT	VERTICAL
VC	VERTICAL CURVE
VCC	VERTICAL CONCRETE CURB
VCP	VEHICULAR CONCRETE PAVEMENT
VFC	VITRIFIED CLAY
VEG	VEGETATION
VEH	VEHICULAR
VFS	VEGETATED FILTER STRIP
VCC	VEDTICAL CDANITE CLIDE

# MASSACHUSETTS ABBREVIATIONS

VGC

VGTC

VLF

4DY

12W

CODE OF MASSACHUSETTS REGULATIONS

VERTICAL GRANITE CURB

VINYL FENCE

WATER GATE

WROUGHT IRON PIPE

WATER MANHOLE

CROSS SECTION

YARD DRAIN

WATER PAINT MARK

WATER METER/WATER MAIN

WITH

VERTICAL GRANITE TRANSITION CURB

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION

4" DOUBLE YELLOW EPOXY RESIN PAVEMENT MARKING

4" SOLID WHITE EPOXY RESIN PAVEMENT MARKING

12" SOLID WHITE EPOXY RESIN PAVEMENT MARKING

MASSACHUSETTS DEPARTMENT OF THE MASSACHUSETTS STANDARD

MHB MASSACHUSETTS HIGHWAY BOUND

### CONSTRUCTION NOTES - MASSDOT STANDARDS

= SUBDRAIN - MA STD. 209.1.0

106.3.0	=	METHOD OF SETTING VERTICAL CURB - MA STD. 106.3.0
107.2.0	=	WHEELCHAIR RAMPS LESS THAN 12'-4" SIDEWALK - MA STD. 107.2.0
107.2.1	=	WHEELCHAIR RAMP ON NARROW SIDEWALK WITH DETECTABLE WARNING PANEL - MA STD. 107.2.1
107.6.0	=	WHEELCHAIR RAMPS FOR ONE CONTINUOUS DIRECTION OF PEDESTRIAN TRAVEL - MA STD. 107.6.0
107.6.5	=	DETECTABLE WARNING PANEL FOR WHEELCHAIR RAMPS - MA STD. 107.6.5
107.6.9	=	WHEELCHAIR RAMP WITH LANDSCAPING STRIP - MA STD. 107.6.9
107.9.0	=	CURB TRANSITION LENGTH FOR WHEELCHAIR RAMPS - MA STD. 107.9.0
201.4.0M)	=	PRECAST CONCRETE CATCH BASIN - MA STD. 201.4.0
201.6.0	=	CATCH BASIN FRAME - MA STD. 201.6.0
201.11.0	=	DROP INLET GRATE - MA STD. 201.11.0
201.12.0	=	CATCH BASIN HOOD - MA STD. 201.12.0
202.4.0	=	PRECAST CONCRETE MANHOLES 9' OR LESS IN DEPTH - MA STD. 202.4.0
204.2.0	=	GUTTER INLET - MA STD. 204.2.0

= REINFORCED CONCRETE PIPE FLARED ENDS - MA STD. 206.8.0

EXISTING	<u>LEGEND</u>	PROPOSED	
P	PROPERTY LINE		
	—— SETBACKS		
<del></del>	EASEMENT LINE		
	CONTOUR	262	
X 407.5	SPOT ELEVATION	× 261.5	
	DRAINAGE LINE	DD	D
	WATER LINE	w	w
	FIRE WATER LINE	FWFW-	
	SANITARY SEWER LINE	ss	_s
	GAS LINE	GG	—G ——
	ELECTRIC	——Е ———Е ———	—Е ——
	TELEPHONE LINE	— т — т —	— т ——
	OVERHEAD ELECTRIC LINE	OHW	
	LIMIT OF DISTURBANCE		
	LIMIT OF DISTURBANCE/COMPOST FILTER SOC	< — — LOD/CFS	
⊞	CATCH BASIN		
φ.	HYDRANT	•	
$\bigcirc$	DRAINAGE MANHOLE	•	
S	SEWER MANHOLE	•	
-0-	UTILITY POLE	-•-	
ŴĠ	WATER VALVE	H	
	GAS GATE		
5	LIGHT POLE		
	TREE LINE		<u> </u>
	CHAIN LINK FENCE	<b>&gt;&gt;</b>	<b>-</b> o
	WIRE FENCE	—x——x——x——x——	-xx
	WOOD FENCE	<del></del>	-0
	FENCE	<b></b>	<b>-</b>
	CURBING		
	EDGE OF PAVEMENT		
	SAWCUT LINE	111111111111111111111111111111111111111	///////
	SIGN	-	
	COMPOST FILTER SOCK		
	SAND BAGS	.00000000000000000000000000000000000000	·

NO. OF PARKING SPACES



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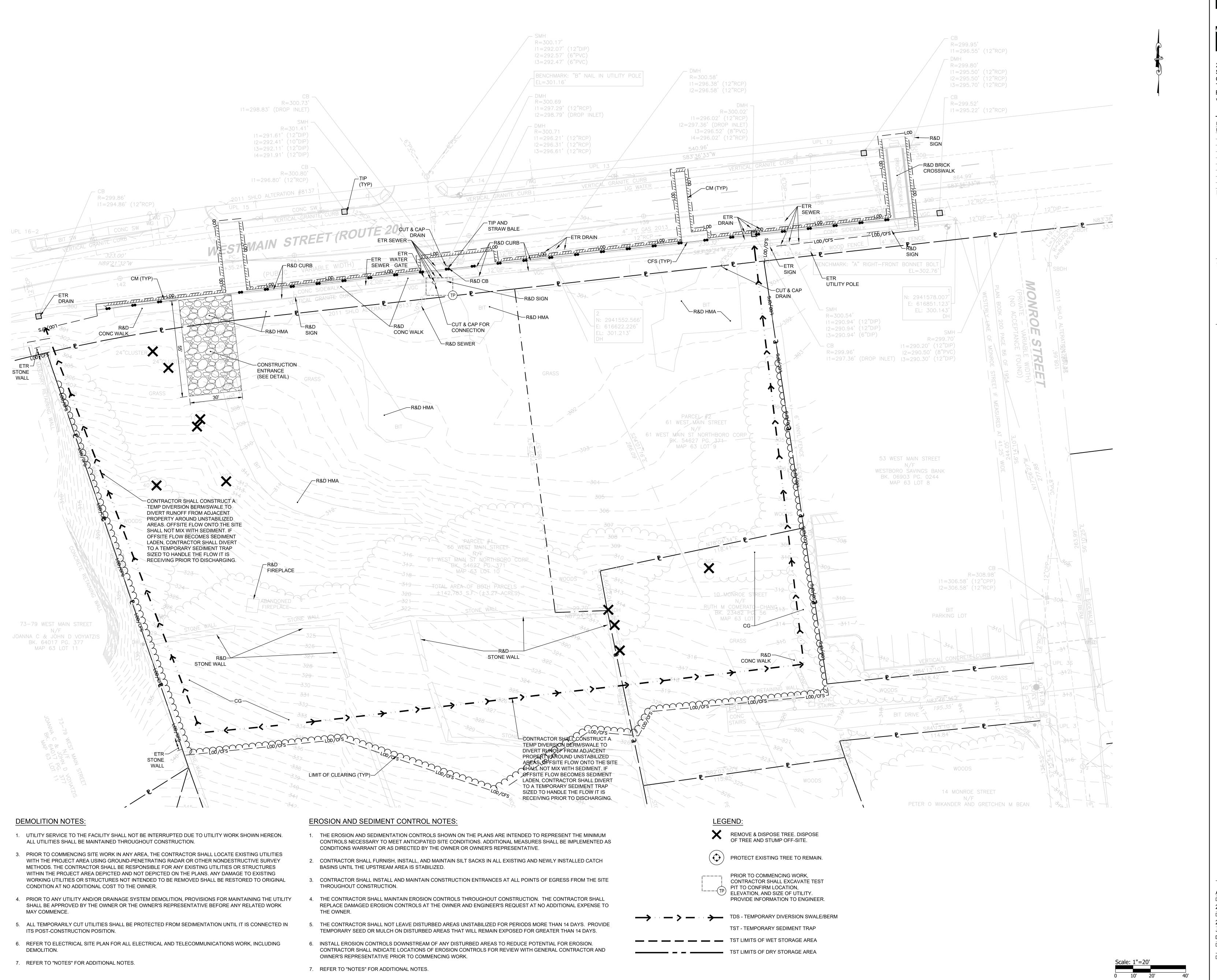
Project NORTHBOROUGH FIRE STATIO 63 WEST MAIN STREET

EGEND.

AKL NC

| Drawn by Checked by | 2/14/2024 |
| Date | 23141.00 NTS |
| Job number | DRAFT ADVANCED SCHEMATIC DESIGN

C-101



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ENGINEERS - SCIENTISTS - PLANNERS

PARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS
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FOXBORO, MA 02035
508-543-1755

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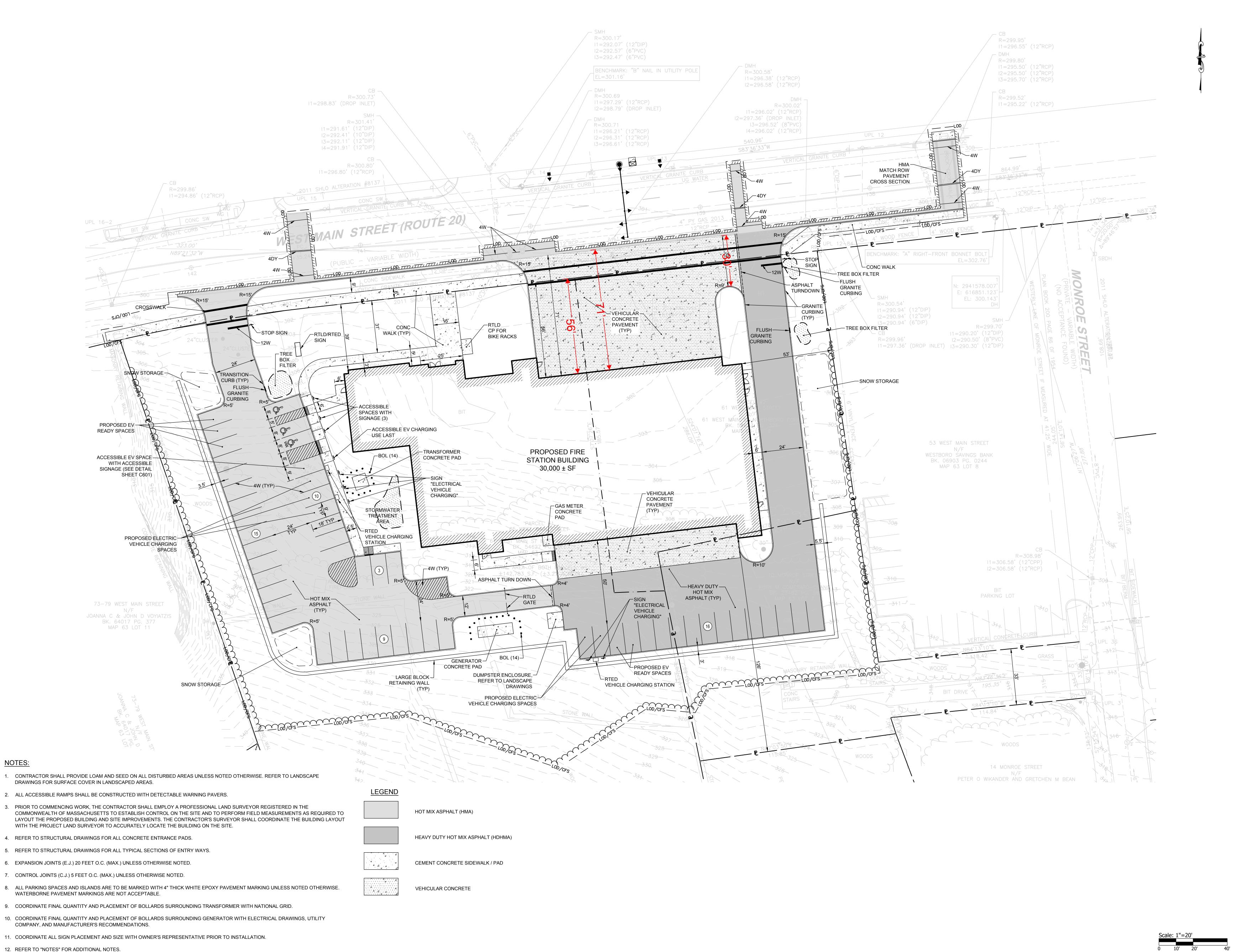
63 WEST MA

DEMOLITION, EROSION & SEDIMEN-CONTROL PLAN

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2/14/2024
Date
23141.00 1" = 20'
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ENERAL PLAN

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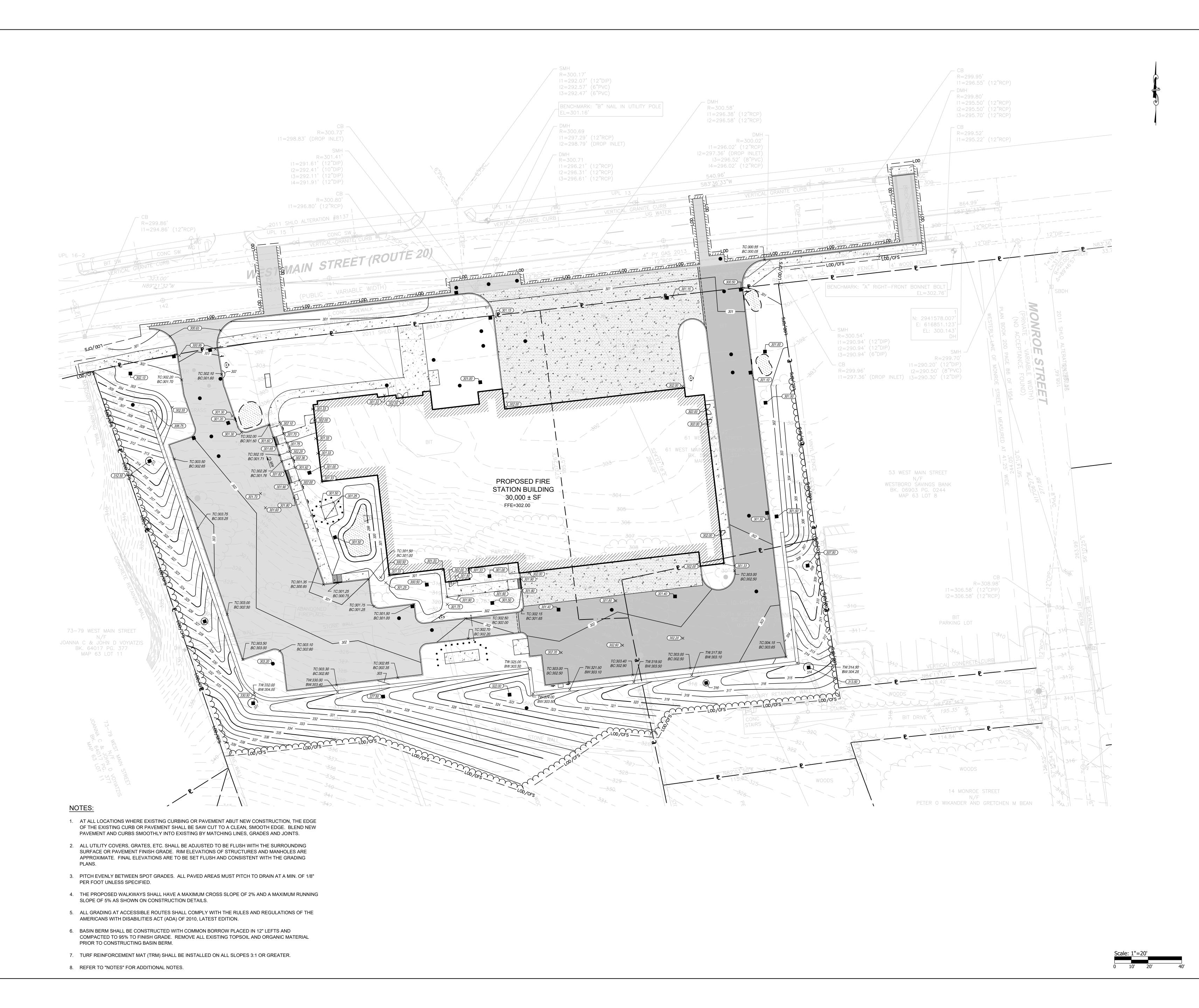
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BOROUGH FIRE STATION T MAIN STREET

NORTHBORC 63 WEST MAI

RADING PLAN

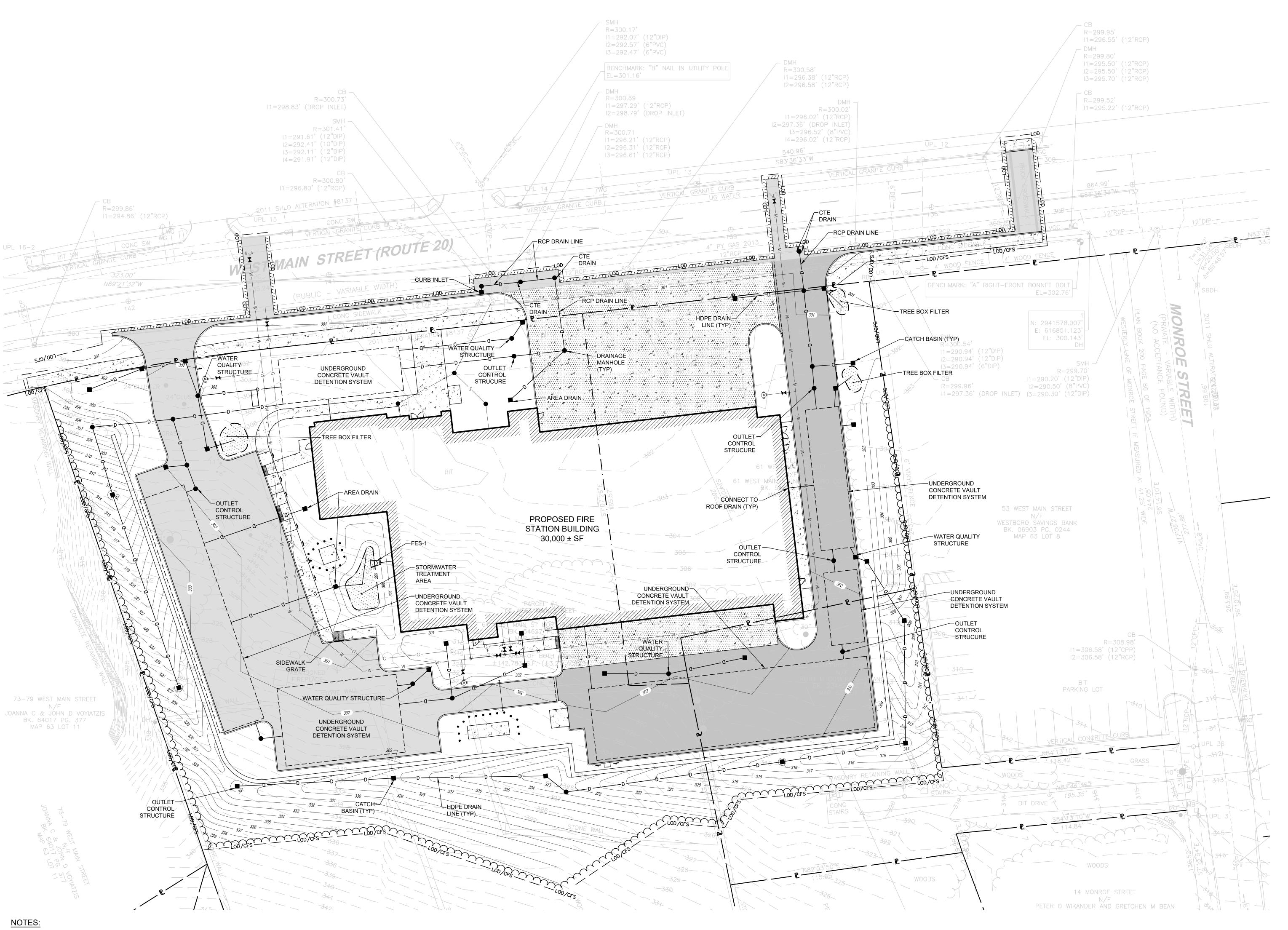
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C-400



- 1. ALL CATCH BASINS AND DRAIN MANHOLES SHALL BE 4' DIA. PRECAST CONCRETE UNLESS NOTED OTHERWISE.
- ALL DRAIN PIPES SHALL BE SMOOTH INTERIOR CORRUGATED HIGH DENSITY POLYETHYLENE UNLESS NOTED OTHERWISE.
- 3. REINFORCED CONCRETE PIPE (RCP) SHALL BE CLASS III UNLESS NOTED OTHERWISE.
- 4. ALL SLOPES PROVIDED ARE FT/FT.
- 5. ALL CATCH BASINS AND AREA DRAINS SHALL BE INSTALLED WITH A SUMP AND OUTLET HOOD PER THE DETAIL.
- 6. REFER TO "NOTES" FOR ADDITIONAL NOTES.



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ORTHBOROUGH FIRE STATION 3 WEST MAIN STREET

RAINAGE PLAN

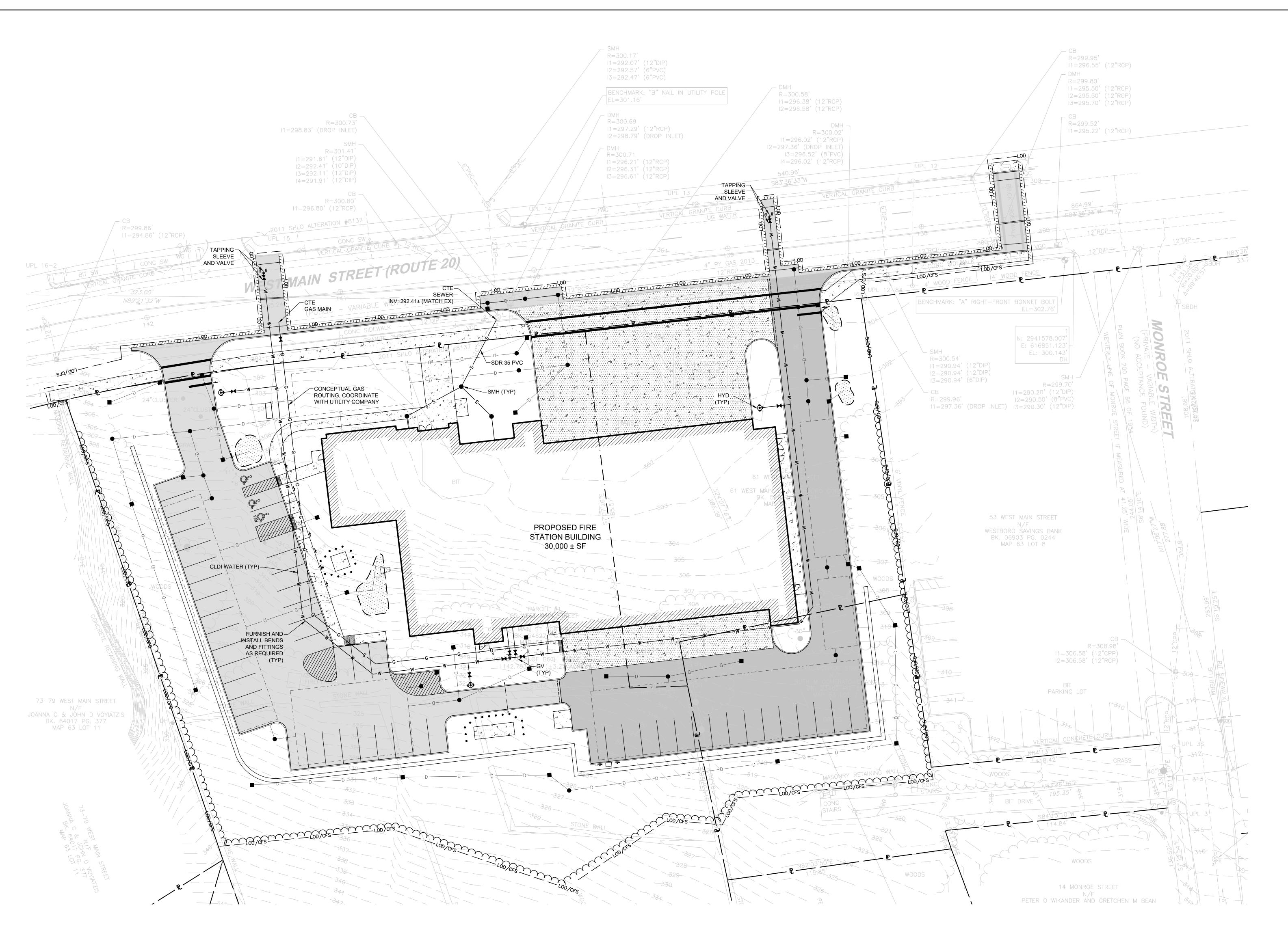
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Drawing number

Drawing number

C-500



# NOTES

- 1. REINFORCED CONCRETE PIPE (RCP) SHALL BE CLASS III UNLESS NOTED OTHERWISE.
- 2. ALL SLOPES PROVIDED ARE FT/FT.
- 3. ALL SEWER MANHOLES SHALL BE 4' DIA. UNLESS NOTED OTHERWISE.
- REFER TO ELECTRICAL DRAWINGS FOR INFORMATION ON ELECTRIC AND TEL/DATA DUCT BANKS AND STRUCTURES. ALL ELECTRICAL FACILITIES DISPLAYED FOR REFERENCE ONLY.
- 5. REFER TO "NOTES" FOR ADDITIONAL NOTES.



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NORTHBOROUGH FIRE STATION
63 WEST MAIN STREET

TILITIES PLAN

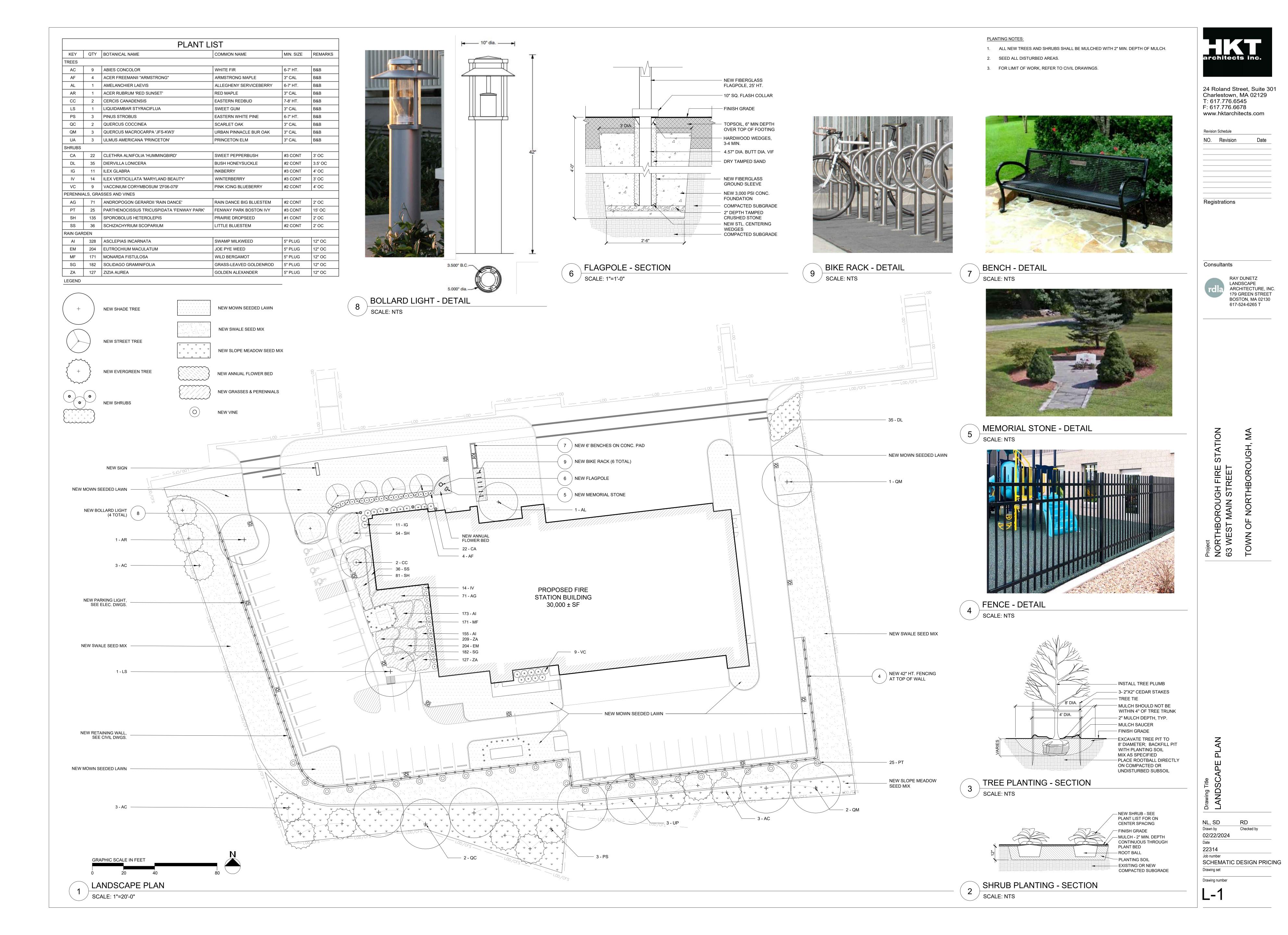
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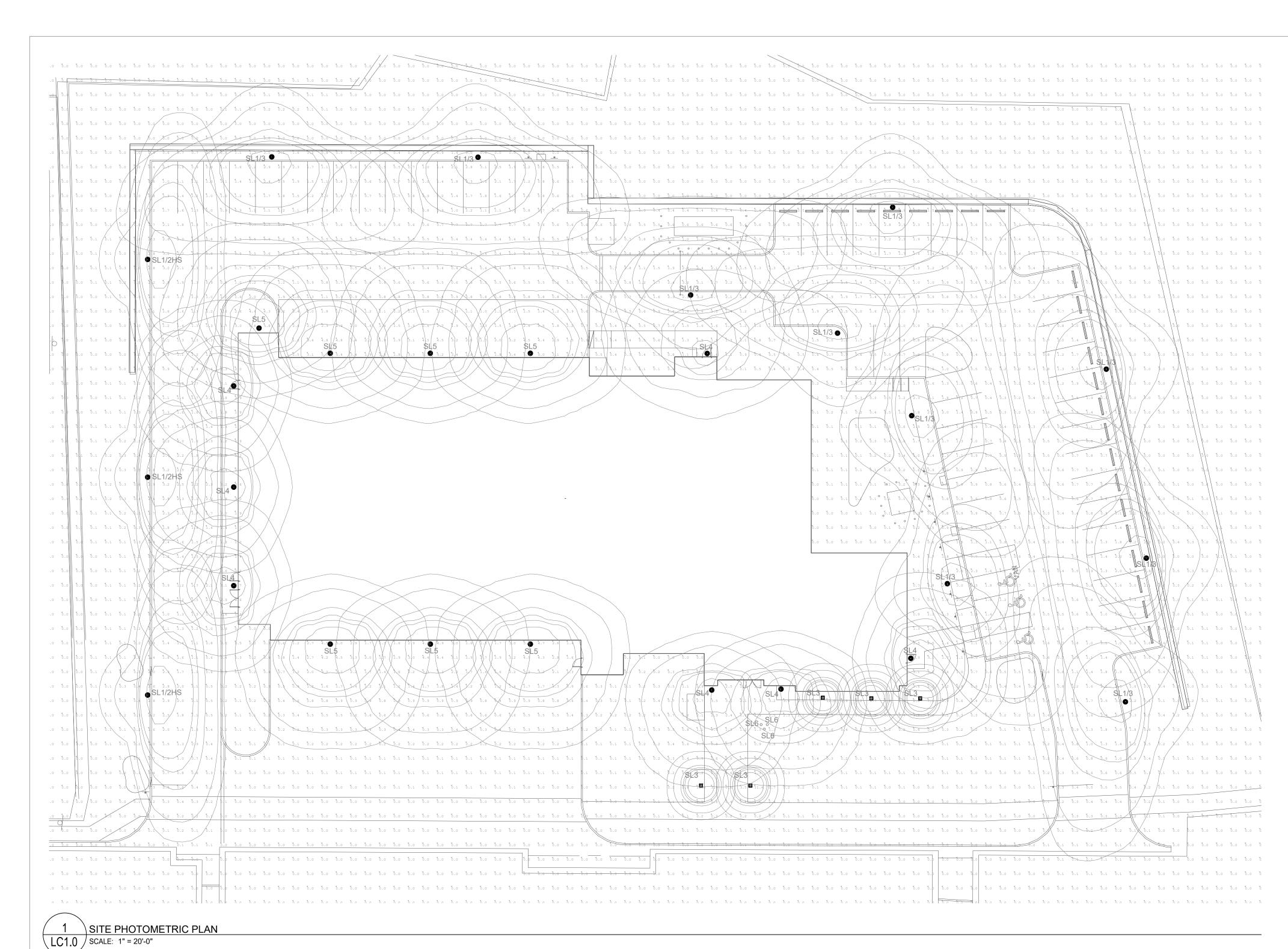
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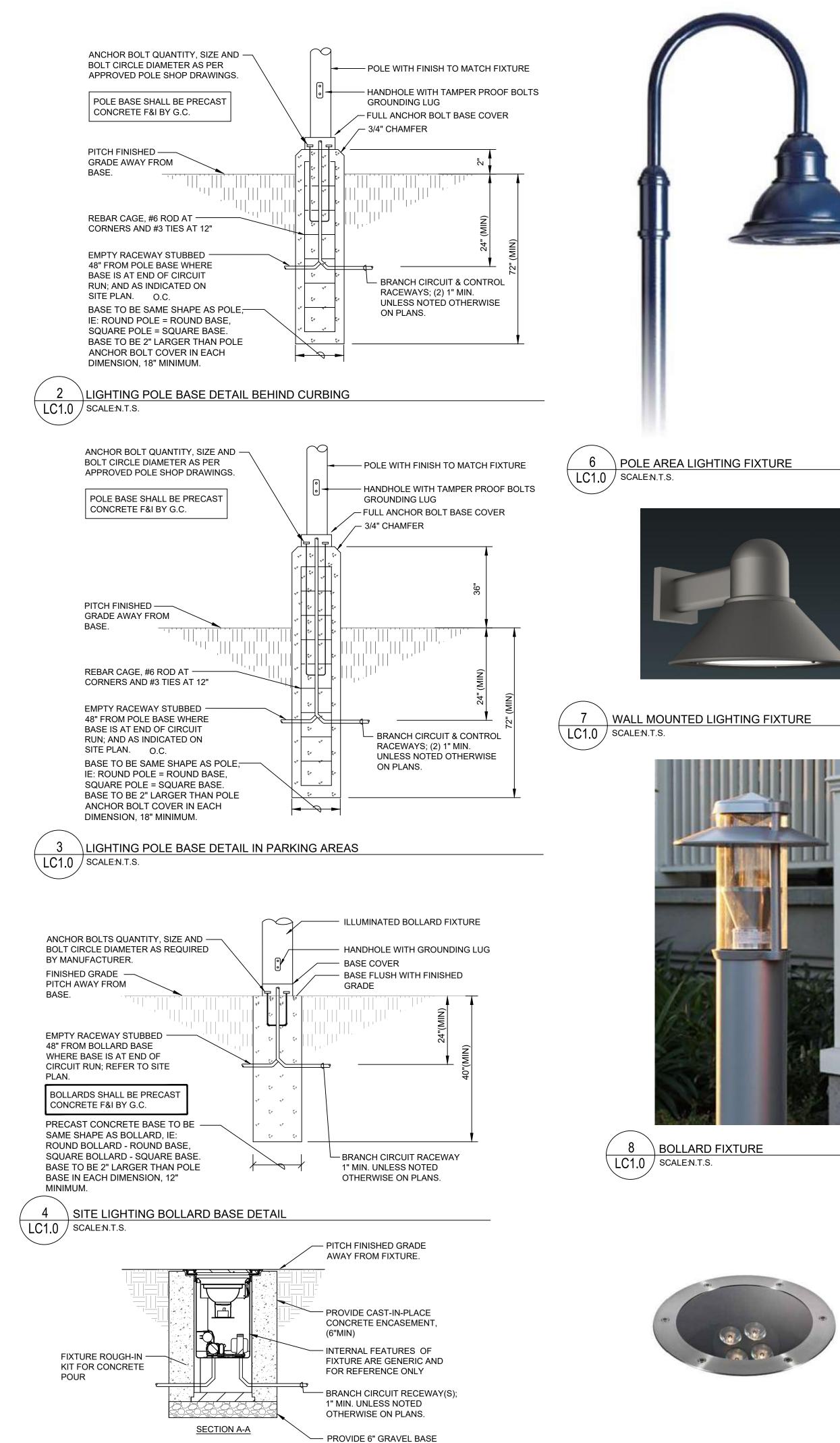
C-600







	MOUNTING E	ESIG	SNATIONS
POLE	POLE	U	UNIVERSAL
BOL	BOLLARD	W	WALL
R	RECESSED	IGM	IN-GRADE



 PROVIDE INTERNAL GLARE CONTROL GRID / HEX-CELL

TYPE LOUVER.

1. THIS DETAIL SHALL BE TYPICAL FOR FIXTURE TYPE SL6 & SL7

IN GRADE FIXTURE MOUNTING DETAIL

PROVIDE TAMPER —

PROOF BOLTS ON

LENS RETENSION

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ORTHBOROUGH FIRE STATION

3 WEST MAIN STREET

OWN OF NORTHROROLIGH MA

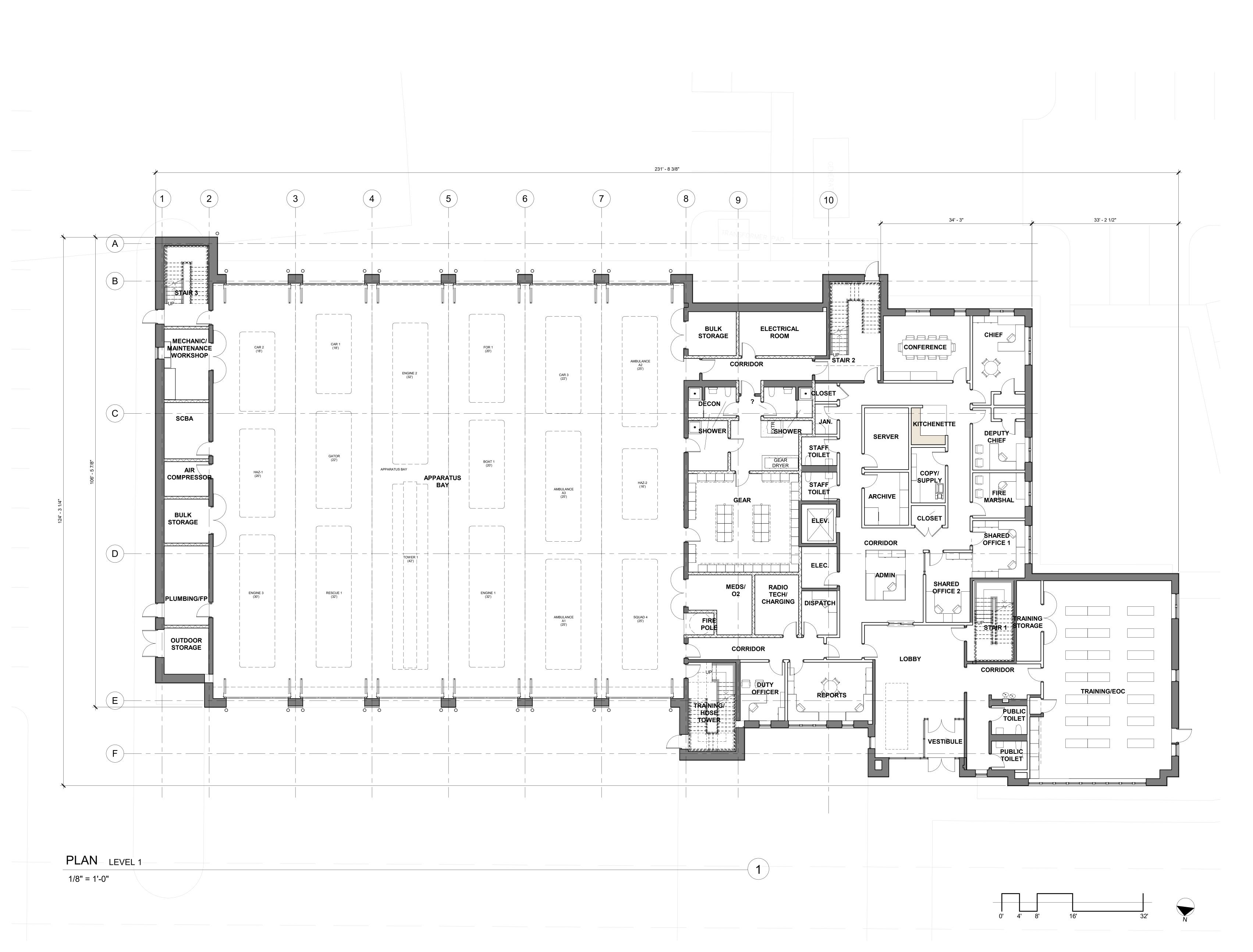
Drawing Title
PHOTOMETRIC SITE PLAN
AND DETAILS

IN-GRADE FLAG POLE FIXTURE

 $\setminus$  LC1.0 / scale:n.t.s.

JMB
Drawn by Checked by
2/21/2024
Date
22314
Job number
DESIGN REVIEW

Drawing number





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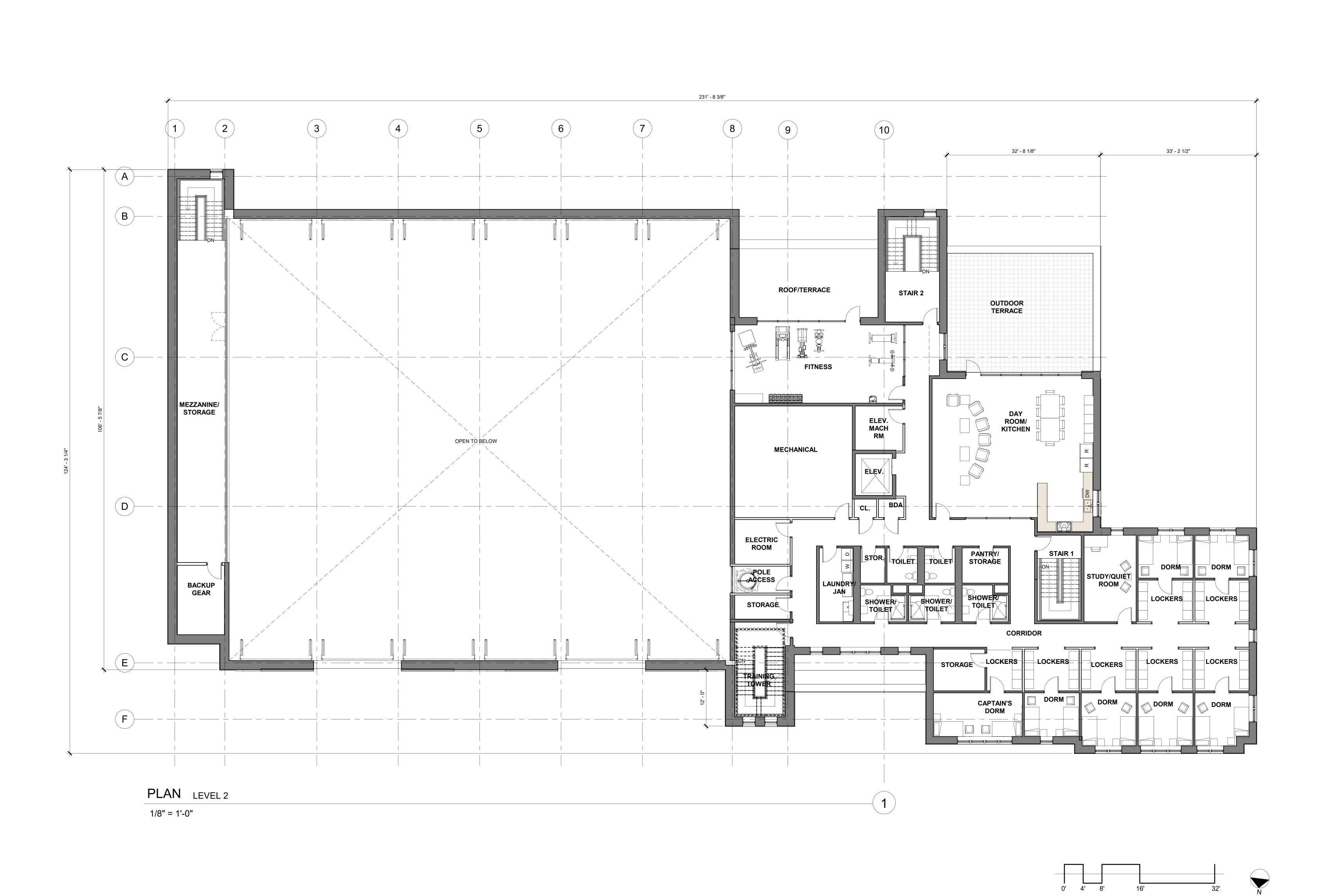
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Project NORTHBOROUGH FIRE STATION 63 WEST MAIN STREET

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NORTH ELEVATION



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SOUTH ELEVATION



EAST ELEVATION

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63 WEST MAIN STREET
TOWN OF NORTHBOROUGH M

EXTERIOR ELEVATION

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VIEW FROM NORTHWEST



VIEW FROM NORTHEAST



VIEW FROM SOUTHEAST



VIEW FROM SOUTHWEST



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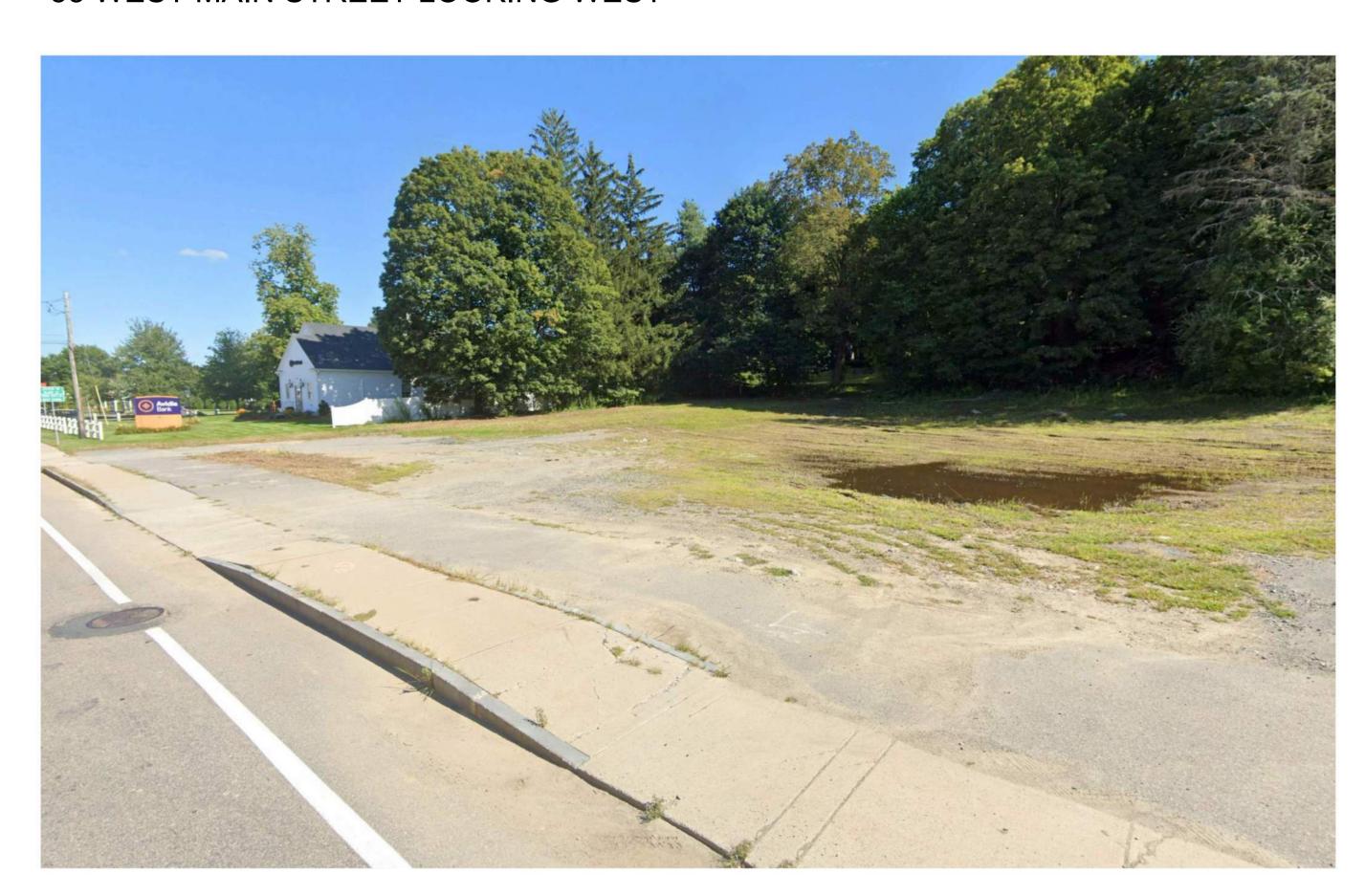
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73 WEST MAIN STREET LOOKING WEST



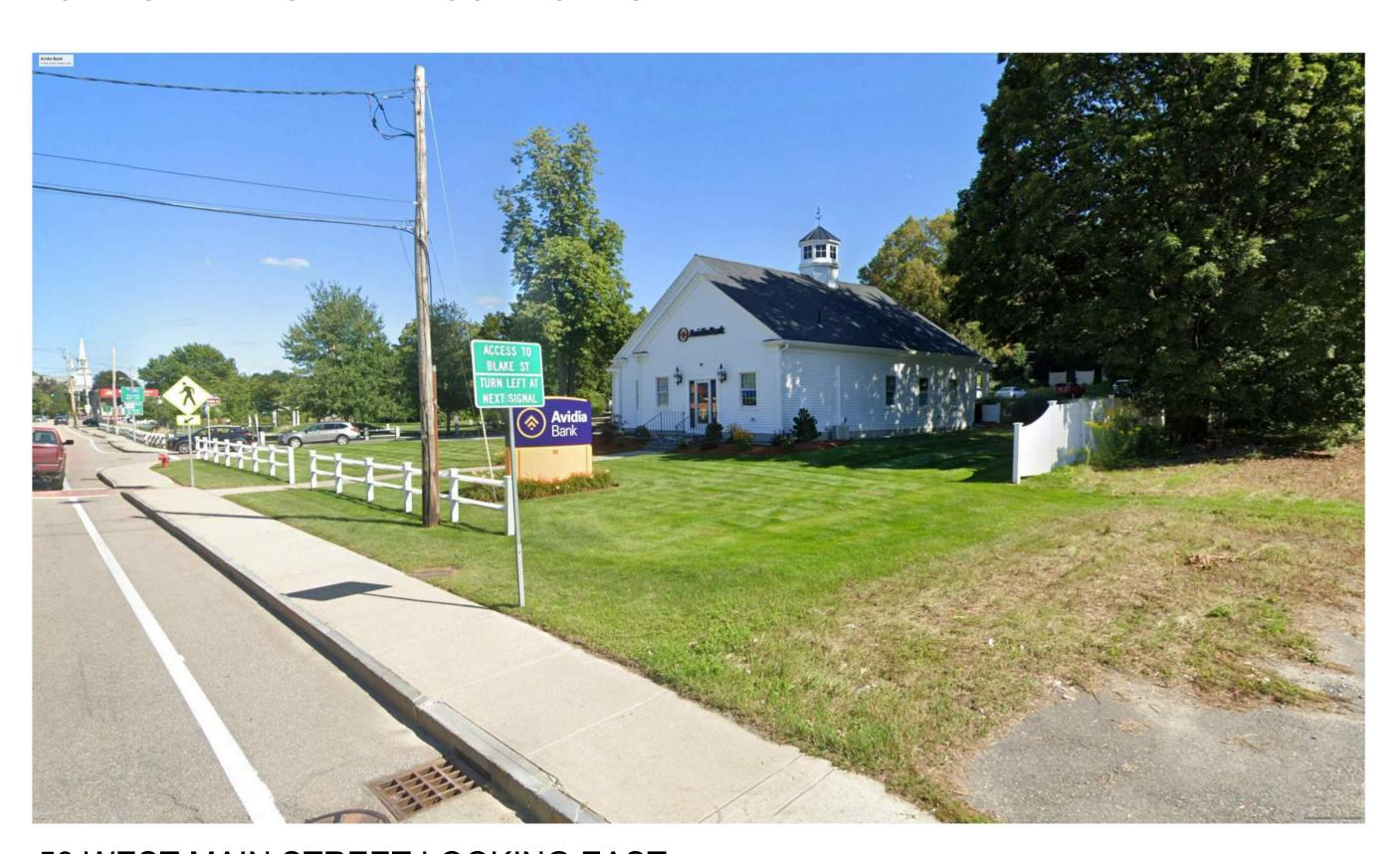
53 WEST MAIN STREET LOOKING WEST



EXISTING SITE LOOKING EAST AT WEST MAIN STREET



73 WEST MAIN STREET LOOKING EAST



53 WEST MAIN STREET LOOKING EAST



EXISTING SITE LOOKING WEST AT WEST MAIN STREET



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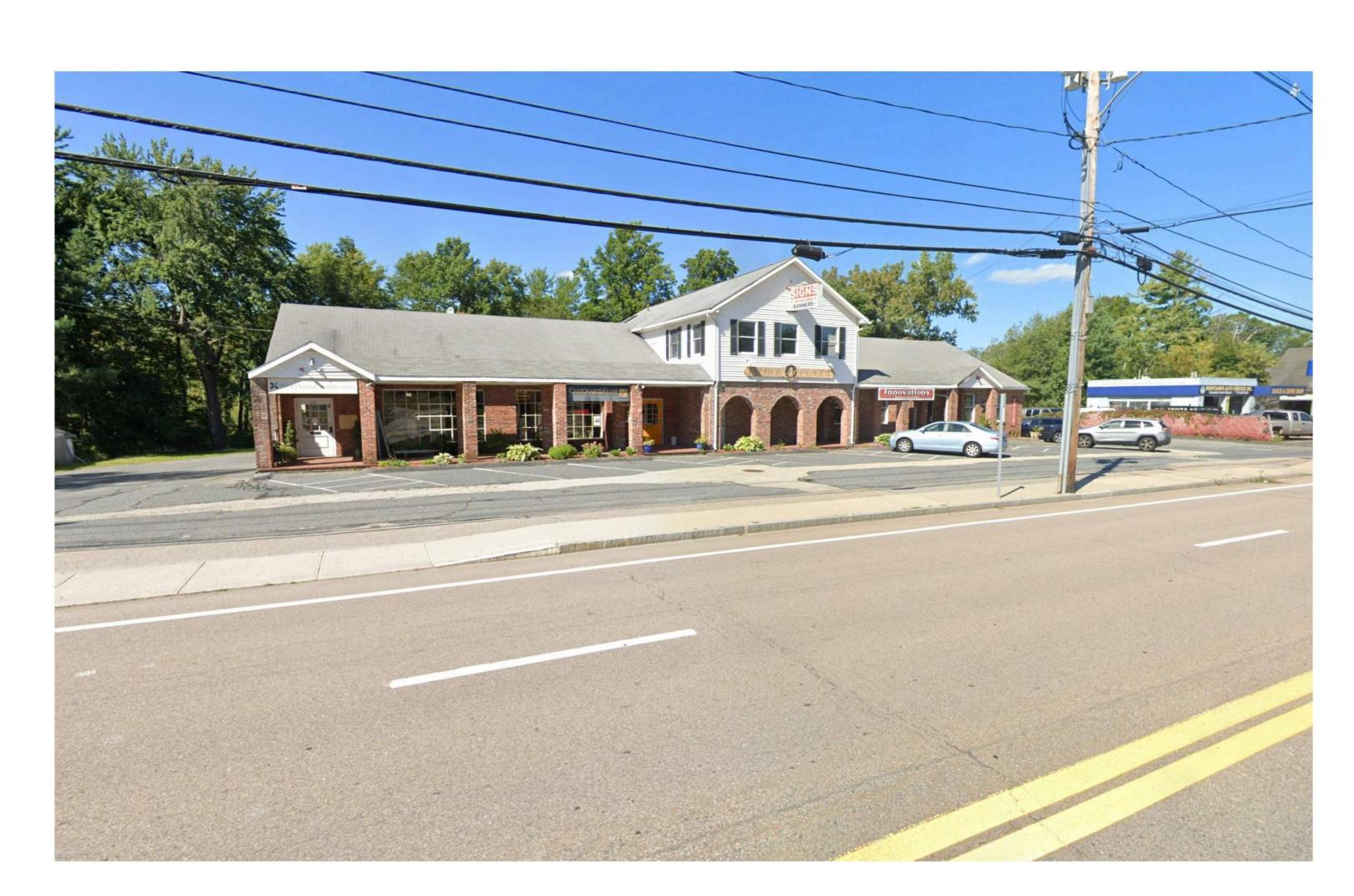
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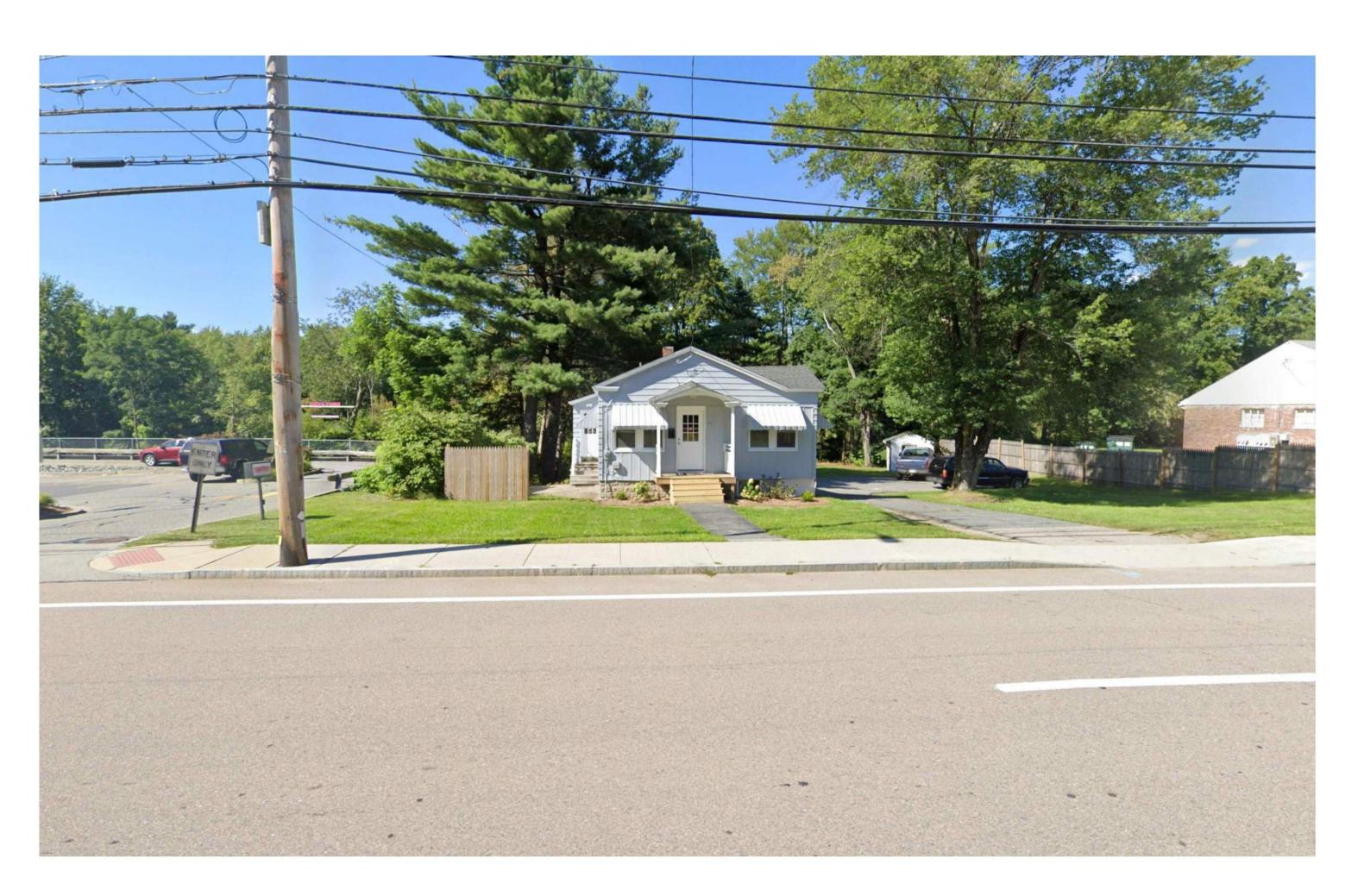
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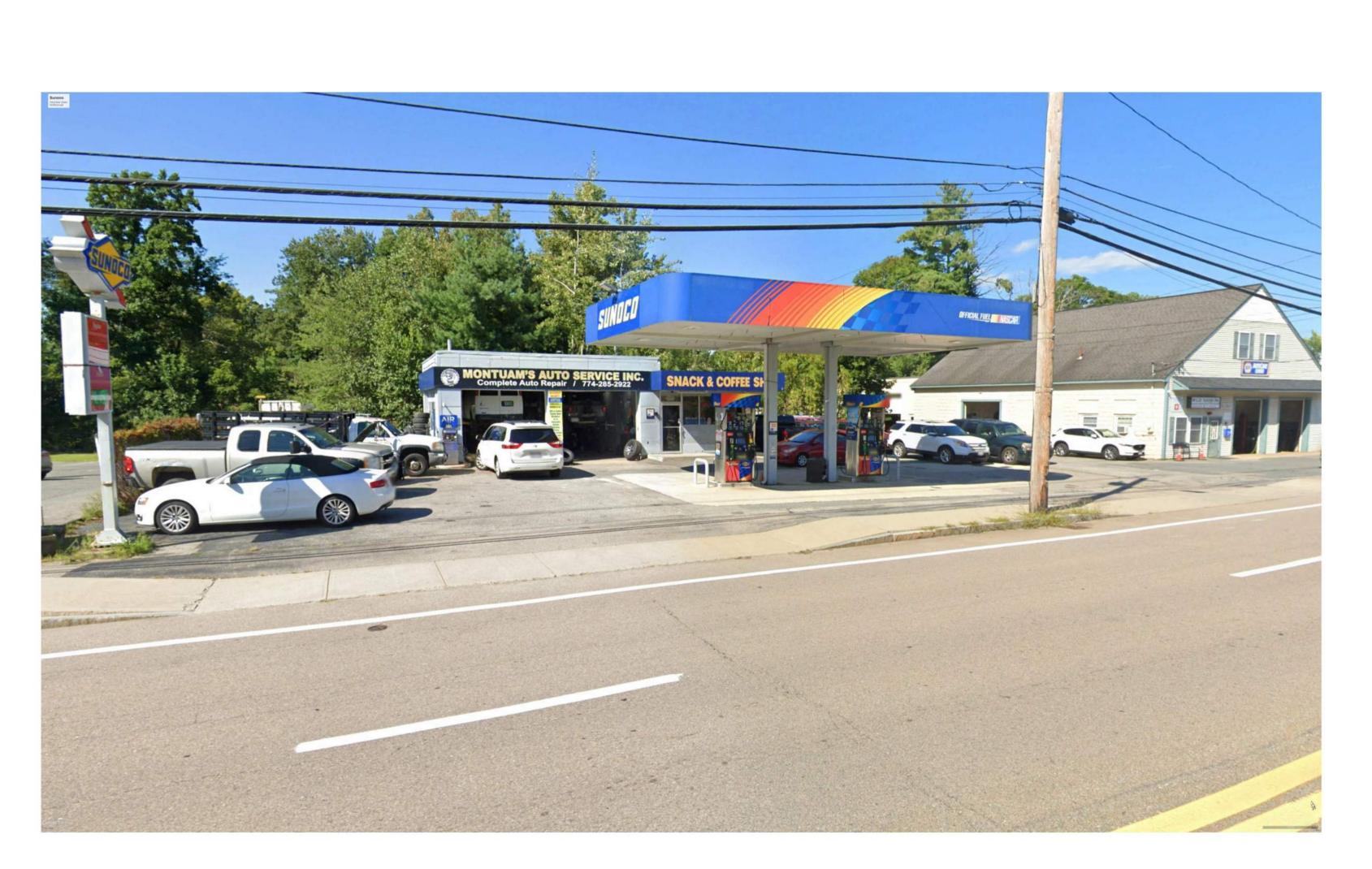
70 WEST MAIN STREET



**54 WEST MAIN STREET** 



62 WEST MAIN STREET



48 WEST MAIN STREET



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