

MASSACHUSETTS SITE NOTES (Rev. 10/2025)

1. WHEN APPLICABLE, OWNER/OPERATOR MUST FILE THE NOT FOR NPDES PERMITS AT APPROPRIATE AND/OR REQUIRED TIME FRAMES BASED UPON THE DESIRED START OF CONSTRUCTION. LAND DISTURBANCE ACTIVITIES MUST NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED FROM GOVERNING AUTHORITIES INCLUDING STORMWATER POLLUTION PREVENTION PLAN. THE CONTRACTOR MUST STRICTLY ADHERE TO THE APPROVED SWPPP PLAN DURING CONSTRUCTION OPERATIONS IF PROVIDED.
2. ALL CONCRETE MUST BE AIR ENTRAINED AND INCLUDE THE MINIMUM COMPRESSIVE STRENGTH OF GEOTECHNICAL STANDARD P31 AT 28 DAYS OR 4,000 PSI UNLESS OTHERWISE NOTED ON THE PLANS. DETAILS AND ABOVE GEOTECHNICAL REPORT. IF THERE ARE ANY DISCREPANCIES BETWEEN THE PLANS, DETAILS AND GEOTECHNICAL REPORT THEN THE GEOTECHNICAL REPORT MUST GOVERN.
3. THE CONTRACTOR MUST FILE EROSION APPLICATION OR PERMIT UNDER SEPARATE APPLICATION UNLESS DONE AS PART OF JURISDICTIONAL PERMITTING PROCEDURE.
4. THE CONTRACTOR MUST REPAIR OR REPLACE IN KIND, AT THE CONTRACTOR'S SOLE COST AND EXPENSE, ALL SIDEWALKS, CURBS, PAVEMENT MARKINGS, AND PAVEMENT DAMAGED BY CONSTRUCTION ACTIVITIES WHETHER SPECIFIED ON THIS PLAN OR NOT.
5. WORK WITHIN THE RIGHTS OF WAY IS TO BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS AND STANDARDS OF THE DEPARTMENT OF PUBLIC WORKS, ENGINEERING DEPARTMENT, HIGHWAY DESIGN AND CONSTRUCTION DEPARTMENT.
6. WHERE RETAINING WALLS ARE IDENTIFIED ON THE PLANS, TOP AND BOTTOM OF WALL WIDTHS DO NOT REPRESENT THE ACTUAL WIDTH OF THE PROPOSED WALL. EITHER THEY ARE ASSUMPTION BASED ON WALL TYPE AND WALL HEIGHT, WALL FOOTINGS AND/OR FOUNDATIONS ARE NOT IDENTIFIED HEREIN AND ARE TO BE DETERMINED BY THE CONTRACTOR OR DESIGNER AND MUST BE SET BASED UPON FINAL STRUCTURAL DESIGN SHOP DRAWINGS PREPARED BY THE APPROPRIATE PROFESSIONAL LICENSED IN THE STATE WHERE THE CONSTRUCTION OCCURS. THE CONTRACTOR MUST INSURE THAT AN APPROPRIATELY LICENSED PROFESSIONAL DESIGNER HAS SHOWN HEREON AND PRIOR TO CONSTRUCTION, REFER TO ORIGINATING ENGINEER AND/OR DESIGNER FOR DETAILS.
7. CONTRACTOR IS CAUTIONED OF EXISTING UTILITY SERVICES TO REMAIN IN PROXIMITY TO PROPOSED BOLLARDS AND SIGNS. CONTRACTOR MUST PROVIDE FIELD MODIFICATION LOCATIONS OF BOLLARDS AND BOLLARDS WITH SIGNAGE AS NEEDED TO AVOID CONFLICTS WITH EXISTING UTILITY SERVICES TO REMAIN.

MASSACHUSETTS ACCESSIBILITY DESIGN GUIDELINES (Rev. 10/2025)

1. IN ADDITION TO THE ACCESSIBILITY DESIGN GUIDELINES ON SHEET C-02, THE CONTRACTOR MUST ALSO ENSURE THAT ALL ACCESSIBLE COMPONENTS AND ACCESSIBLE ROUTES ARE CONSTRUCTED BY STREET ACCORDANCE WITH THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (AAB) REGULATIONS 821 CMR. THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, IN WRITING, OF ANY DISCREPANCIES BETWEEN THE "AMERICANS WITH DISABILITIES ACT" (ADA) CODE, AAB, AND STATE BUILDING CODE AS IT RELATES TO ANY ACCESSIBLE COMPONENTS BEING CONSTRUCTED PRIOR TO COMMENCING THE WORK.

ZONING TABLE

ZONE W06-WEST CONCORD BUSINESS
 USE: AUTO SERVICE STATION (1), RETAIL STORE

APPLICANT/OWNER INFORMATION

APPLICANT: CONCORD COUNTRY STORE LLC
 8 LANSBOROUGH ROAD
 MENDON, MA 01955

PROPERTY OWNER: CONCORD COUNTRY STORE LLC
 8 LANSBOROUGH ROAD
 MENDON, MA 01955

BULK REQUIREMENTS

ITEM	PERMITTED	EXISTING	PROPOSED
MIN LOT AREA	N/A	20,851 SF (8.6 AC)	NO CHANGE
MIN LOT WIDTH	N/A	66.4'	NO CHANGE
MIN LOT FRONTAGE	N/A	331.7'	NO CHANGE
FRONT YARD (MIN)	0.0'	40.2'	40.2'
FRONT YARD (MAX)	10.0'	54.7' (2) (6)	48.9' (2) (3)
SIDE YARD (2)	0.0'	0.0'	0.2'
REAR YARD (2)	0.0'	N/A	N/A
PERMITTED BUILDING HEIGHT	MAX: 35.0'	MAX: 23.0'	23.0'
	MIN: 15.0' (SIDE AND REAR); 18.0' (FACADE)		
MAX LOT COVERAGE	N/A	30.2% (10,334 SF)	30.2% (10,334 SF)

N/A = NOT APPLICABLE; N/A IS NOT SPECIFIED; (E) = EXISTING; (P) = PROPOSED; (R) = RETAINED; (S) = SEE NOTE

- (1) SPECIAL PERMIT THROUGH ZONING BOARD OF APPEALS REQUIRED FOR AUTO SERVICE STATION USE
- (2) MAXIMUM FRONT YARD IS MEASURED TO THE BUILDING PER FOOTING BY AAS SECTION 6.2.A
- (3) SPECIAL PERMIT THROUGH ZONING BOARD OF APPEALS REQUIRED FOR MAX SETBACK

PARKING REQUIREMENTS

ITEM	PERMITTED	EXISTING	PROPOSED
MIN STALL SIZE	8'0" X 18'0"	-	8'0" X 18'0"
MIN NUMBER OF STALLS	9	-	11

REQUIRED PARKING: RETAIL STORE USE: 1 SPACE PER 250 SF GFA (1 SPACE / 250 SF) X 2,153 SF = 8.8 = 8.8 = 9 SPACES

KEY = VARIANCE REQUIRED

BOHLER
 SITE CIVIL AND CONSULTING ENGINEERING
 PROGRAM MANAGEMENT
 LANDSCAPE ARCHITECTURE
 PERMITTING SERVICES
 TRANSPORTATION SERVICES

REVISIONS

REV	DATE	COMMENT	ISSUED BY
1	01/15/2026	WAC COMMENTS	CSE

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PROJECT No.: MAAS5092L-26-A
 DRAWN BY: JCP
 CHECKED BY: CSE
 DATE: 10/22/2025
 CAD ID: PL-ML-PROP

PROPOSED SITE PLAN DOCUMENTS

FOR
CONCORD COUNTRY STORE LLC

PROPOSED COUNTRY STORE AND FUEL STATION

166 COMMONWEALTH AVENUE
 MIDDLESEX COUNTY
 CONCORD, MASSACHUSETTS
 MAP-9D | BLOCK: 2184 | LOT: 2

BOHLER

50 WASHINGTON ST., SUITE 2000
 WESTBOROUGH, MA 01581
 PHONE: (508) 450-3000

www.BohlerEngineering.com



SHEET TITLE: **SITE PLAN**

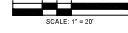
SHEET NUMBER: **C-301**

REVISION - 01/15/2026

MAINTENANCE OF A CLEAR SIGHT LINE IS THE RESPONSIBILITY OF THE PROPERTY OWNER

REFER TO GENERAL NOTES SHEETS FOR ADDITIONAL NOTES

THIS PLAN TO BE UTILIZED FOR SITE LAYOUT PURPOSES ONLY



DATE: 10/22/2025
 PROJECT: 166 COMMONWEALTH AVENUE, CONCORD, MASSACHUSETTS
 SHEET: C-301



FLOOD STORAGE CALCULATIONS

Elevation Range	Existing Volume Provided (CY)	Proposed Volume Provided (CY)	Net Volume Provided (CY)	Net Volume Provided (CY)
100-121	0.0	0.1	0.1	1.4
121-122	0.5	0.7	0.2	6.2
122-123	1.5	2.3	0.8	22.4
123-124	34.1	34.3	0.2	5.7
Total	36.1	37.4	1.3	35.6

MASSACHUSETTS GRADING NOTES

- PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY SIX (6) INCHES ABOVE PAVEMENT GRADE UNLESS OTHERWISE NOTED.
- THE CONTRACTOR MUST CONTINUE AND ENSURE THAT AS CONSTRUCTED IMPROVEMENTS CREATE THE FOLLOWING MINIMUM SLOPES EXCEPT WHERE ADA REQUIREMENTS LIMIT THEM: 1.5% ON ALL CONCRETE SURFACES; 1.5% ON ASPHALT SURFACES; 1.5% IN LANDSCAPED AREAS AND 0.75% SLOPE AGAINST ALL ISLANDS, CUTTERS, AND CURBS TO PROVIDE POSITIVE DRAINAGE.
- WHERE RETAINING WALLS ARE IDENTIFIED ON THE PLANS, TOP AND BOTTOM OF WALL ELEVATIONS (G & G), REPRESENT THE PROPOSED FINISHED GRADE AT THE FACE OF THE TOP AND THE BOTTOM OF THE WALL AND DO NOT REPRESENT THE OVERALL HEIGHT OF THE WALL TO ITS EXTENTS (I.E. ANY CAP UNITS OR COURSES BELOW GRADE INCLUDING FOOTINGS ARE EXCLUDED). WALL FOOTING/FOUNDATION ELEVATIONS ARE NOT IDENTIFIED HEREIN AND ARE TO BE DETERMINED BY THE CONTRACTOR OR WALL DESIGNER AND MUST BE SET BASED UPON FINAL STRUCTURAL DESIGN SHOP DRAWINGS PREPARED BY THE APPROPRIATE PROFESSIONAL LICENSED IN THE STATE WHERE THE CONSTRUCTION OCCURS. THE CONTRACTOR MUST ENSURE THAT THERE ARE NO UTILITIES ON THE PASSIVE SIDE OF THE RETAINING WALL. NO EXCAVATION MAY BE PERFORMED ON THE PASSIVE SIDE OF THE RETAINING WALL WITHOUT APPROPRIATELY AND SAFELY SUPPORTING THE WALL IN ACCORDANCE WITH THE STANDARDS OF CARE AND ALL APPLICABLE RULES, REGULATIONS, CODES, ORDINANCES, LAWS AND STATUTES.
- MISE OR SHALTY BLOCK WALLS MUST BE CONSTRUCTED SUCH THAT UPON COMPLETION OF CONSTRUCTION THERE IS NO UNFINISHED SURFACE OR LIFTING RINGS VISIBLE (I.E. USE OF FINISHED TOP BLOCK OR CAP STONE).
- STORMWATER RUNOFF FROM PROPERTY MUST BE COLLECTED QUALITY WITH NO OVERLAND RUNOFF OVER THE RIGHT-OF-WAY OR ADJACENT PROPERTIES TO THE MAXIMUM EXTENT POSSIBLE OR IN THE MANNER SHOWN ON THE CONSTRUCTION DRAWINGS. STORMWATER RUNOFF ONTO ADJACENT PROPERTIES MUST BE CONTROLLED AS TO NOT ADVERSELY IMPACT SAID PROPERTIES.
- BEFORE COMMENCING GRADING WORK, CONTRACTOR MUST SUBMIT SAMPLES OF ALL NATURAL AND IMPORTED MATERIALS WITH THEIR INTENDED FOR STRUCTURAL USES TO THE GEOTECHNICAL ENGINEER OF RECORD.
- FOR ALL RETAINING WALLS FOUR (4) FEET OR GREATER IN HEIGHT AS DEFINED IN INTERNATIONAL BUILDING CODE AND STATE BUILDING CODES:
 - THE OWNER OR THE OWNER'S CONTRACTOR IS TO PROVIDE A SITE-SPECIFIC RETAINING WALL DESIGN PREPARED BY AN APPROPRIATE PROFESSIONAL LICENSED IN STRUCTURAL ENGINEERING BY THE STATE WHERE THE CONSTRUCTION OCCURS. SOIL TYPES, WATER TABLE ELEVATION, EXISTING A PROPOSED SUBSURFACE IMPROVEMENTS INCLUDING BUT NOT LIMITED TO: CURBS, DRIVE ALLEYS, ROADS, FENCING, GUARDRAILS, UTILITIES, DRAINAGE FACILITIES, STRUCTURES, FOUNDATIONS, LIVE LOADS AND OTHER EXISTING AREAS THAT COULD HAVE AN INFLUENCE ON IMPACT ON THE RETAINING WALLS. CONSTRUCTABILITY AND/OR LONGEVITY MUST BE CONSIDERED AND INCORPORATED INTO THE RETAINING WALL DESIGN AS WELL AS THE LOCAL CITY/TOWN ENGINEER'S REQUIREMENTS.
 - PEER REVIEW AND GLOBAL STABILITY ANALYSIS OF THE RETAINING WALL DESIGN MUST BE COMPLETED BY THE OWNER'S GEOTECHNICAL ENGINEER. REVIEW THE DESIGN MUSTS MEET OR EXCEED THE STANDARDS FOR FACTOR OF SAFETY, SOIL TYPES, WATER TABLE ELEVATION AND DESIGN PROPERTIES AS NOTED ABOVE MUST BE FIELD CONFIRMED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO WALL CONSTRUCTION.
- CONTRACTOR MUST INSTALL CURB ALONG FACE OF BUILDING WALL AS SHOWN TO PROVIDE CONNECTION WITH ADJACENT LENGTH OF PROPOSED ACCESSIBLE RAMP AND RAMP LANDINGS TO MEET ADA/ABAS REQUIREMENTS.
- CONTRACTOR MUST REVIEW RETAINING WALL LOCATIONS VERSUS APPLICABLE STATE AND LOCAL CODES AND PROTECT FALL PROTECTION (I.E. FENCING OR RAILINGS IN ACCORDANCE WITH OSHA CODE).
- CONTRACTOR MUST COORDINATE WITH OWNER/OPERATOR TO REVIEW EXISTING UTILITIES WITHIN EXISTING PAVEMENT AREAS TO REMAIN AND MUST CONFIRM THAT THE SCOPE OF WORK MUST PROVIDE POSITIVE DRAINAGE BY FINISHING ANY EXISTING AREAS OF PAVING.

MASSACHUSETTS DRAINAGE NOTES

- WHEN THESE PLANS INVOLVE MULTIPLE BUILDINGS, SOME OF WHICH MAY BE BUILT AT A LATER DATE, THE CONTRACTOR MUST EXTEND ALL UTILITY SERVICES INCLUDING BUT NOT LIMITED TO STORM, SANITARY, UTILITIES AND FIREPROOF LINES TO A POINT AT LEAST FIVE (5) FEET BEYOND THE FINISH AREA FOR WHICH THE CONTRACTOR IS RESPONSIBLE. THE CONTRACTOR MUST CAP ENDS OF INSTALLED UTILITIES AS APPROPRIATE. MARK UTILITY ENDS WITH MARKERS TRICOR TYPE MARKERS AND MARKERS WITH 3/4" FT STAKE, AND MUST NOTE THE LOCATION OF ALL UTILITY STAKES ON A CLEAN COPY OF THE PLAN. THIS RECORD DOCUMENT MUST BE PREPARED IN A NEAT AND WORKMANLIKE MANNER AND BE FORWARDED TO THE OWNER/ENGINEER UPON COMPLETION OF THE WORK, ALL OF WHICH IS AT THE CONTRACTOR'S SOLE COST.
- STORM AND SANITARY PIPE LINES INDICATED ARE NOMINAL AND ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE UNLESS INDICATED ON THE PLANS OTHERWISE.
- UNLESS CLEARLY INDICATED OTHERWISE, ALL STORM PIPE MUST BE REINFORCED CONCRETE PIPE (RCCP) CLASS B WITH SILENT JOINTS. WHEN HIGH-DENSITY POLYETHYLENE PIPE HOPIES ARE CALLED FOR ON THE PLANS, IT MUST CONFORM TO THE SIZE OF PIPE AND TO THE SCHEDULE 40 UNLESS OTHERWISE NOTED. HERE THE JOINT GASKETS MUST BE PROVIDED AND CONFORM TO ASTM F477. DRAIN PIPE INSTALLED WITH OVER 120 (120) FEET OVER COVER AND/OR IN HIGH GROUNDWATER CONDITIONS SHALL BE SMOOTH HD POLYPROPYLENE PIPE (PP) OR APPROVED EQUIVALENT.

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REV	DATE	COMMENT	DESIGNED BY	CHECKED BY
1	01/15/2020	W/CAC COMMENTS	CSE	CSO

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PROJECT No. MA250002-20-A
 DRAWN BY: JAC
 CHECKED BY: CSE
 DATE: 10/22/2019
 CAD ID: PL-ML-POP

PROPOSED SITE PLAN DOCUMENTS
 FOR
CONCORD COUNTRY STORE LLC
 PROPOSED COUNTRY STORE AND FUEL STATION
 166 COMMONWEALTH AVENUE
 MIDDLESEX COUNTY
 CONCORD, MASSACHUSETTS
 MAP-9D | BLOCK: 2184 | LOT: 2

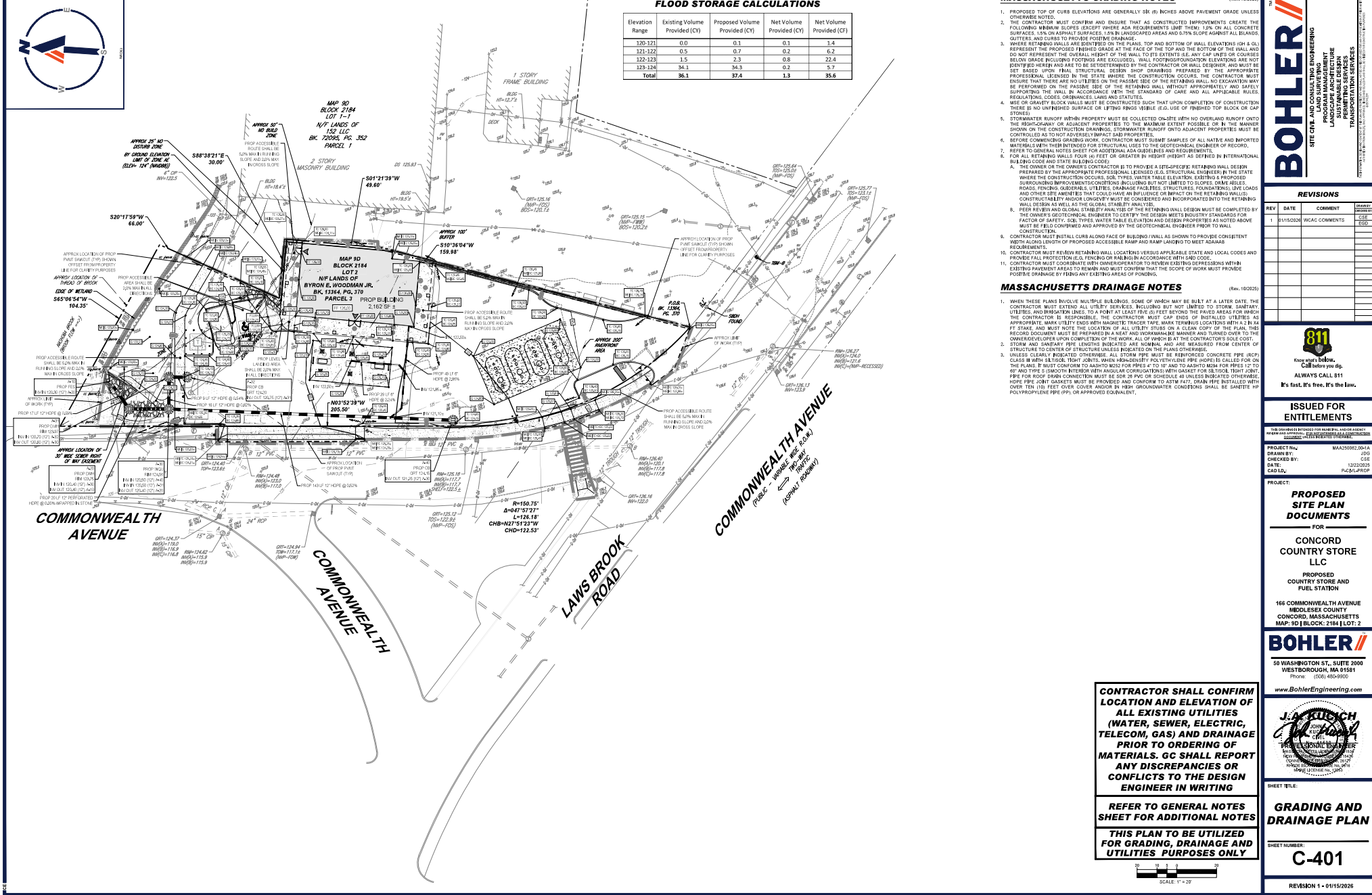
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SHEET TITLE:
GRADING AND DRAINAGE PLAN

SHEET NUMBER:
C-401

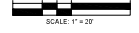
REVISION - 01/15/2020



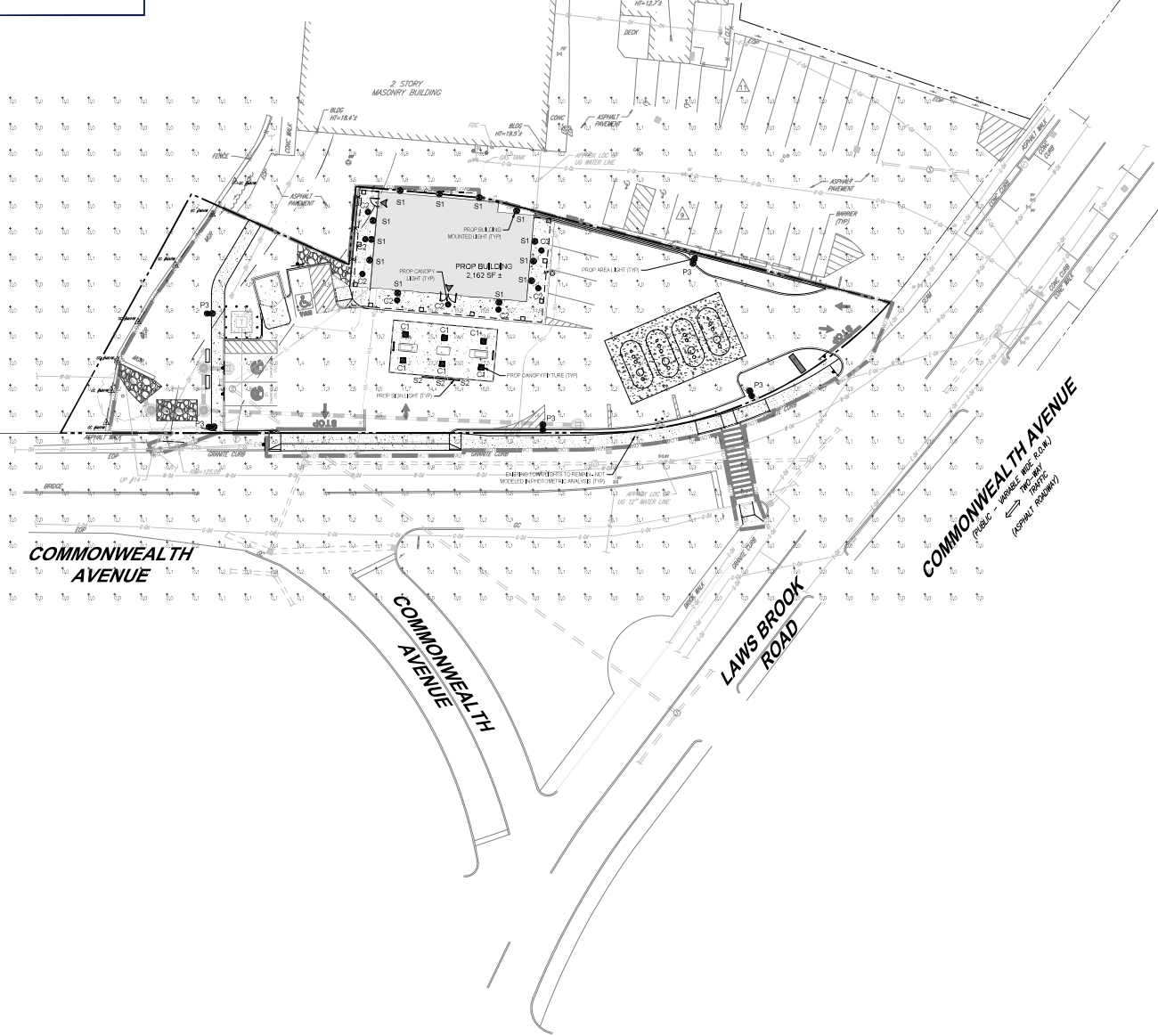
CONTRACTOR SHALL CONFIRM LOCATION AND ELEVATION OF ALL EXISTING UTILITIES (WATER, SEWER, ELECTRIC, TELECOM, GAS) AND DRAINAGE PRIOR TO ORDERING OF MATERIALS. GC SHALL REPORT ANY DISCREPANCIES OR CONFLICTS TO THE DESIGN ENGINEER IN WRITING

REFER TO GENERAL NOTES SHEET FOR ADDITIONAL NOTES

THIS PLAN TO BE UTILIZED FOR GRADING, DRAINAGE AND UTILITIES PURPOSES ONLY



DATE: 10/22/2019
 PROJECT: 166 COMMONWEALTH AVENUE, CONCORD, MA 01581
 SHEET: C-401



GENERAL LIGHTING NOTES:

1. THE GENERAL NOTES FOUND ON THE NOTES PAGE OF THIS PLAN SET, MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT DOCUMENTS. THE ELECTRICAL CONTRACTOR MUST BECOME FAMILIAR WITH, REFER TO AND FULLY COMPLY WITH THESE NOTES IN THEIR ENTIRETY.
2. THE ELECTRICAL CONTRACTOR MUST COMPLY WITH ALL APPLICABLE CONTRACTOR REQUIREMENTS SPECIFIED IN THIS LIGHTING PLAN INCLUDING BUT NOT LIMITED TO GENERAL NOTES, GRADING AND UTILITY NOTES, SITE SAFETY, AND ALL APPLICABLE AGENCY AND GOVERNMENTAL REGULATIONS. THE LIGHTING PLAN DEPICTS PROPOSED, JUSTIFIED ILLUMINATION LEVELS CALCULATED USING DATA PROVIDED BY THE NOTES MANUFACTURER'S ACTUAL DISTANCES, SEE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRE MAY VARY FROM THE VALUES DERIVED ON THIS PLAN DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMP'S MAINTENANCE, THE SERVICE USE OF EQUIPMENT AND LUMINAIRE, EXISTING AMBIENT LIGHT SOURCE ON AND OFF SITE, AND OTHER RELATED VARIABLE FIELD CONDITIONS.
3. THE LIGHTING VALUES AND CALCULATION METHODS DERIVED ON THIS PLAN ARE ANALYZED ON A HORIZONTAL GEOMETRIC PLANE AT GROUND LEVEL UNLESS OTHERWISE NOTED. ILLUMINATION LEVELS ARE SHOWN IN FOOT-CANDELS (FC).
4. THE LIGHTING PLAN IS INTENDED TO SHOW THE LOCATION AND TYPE OF LUMINAIRE, POWER, SYSTEM CONTROL, WIRING, CONTROL, AND OTHER ELECTRICAL COMPONENTS ARE SOLELY THE ARCHITECT'S ELECTRICAL ENGINEER'S AND/OR ELECTRICAL CONTRACTOR'S RESPONSIBILITY. AS RELATED TO THE CONSTRUCTION OF LUMINAIRE, THE CONTRACTOR MUST COORDINATE WITH THE PROJECT ARCHITECT AND/OR ELECTRICAL ENGINEER REGARDING ANY AND ALL POWER SOURCES AND WIRING DEVICES NECESSARY TO MEET THE DESIGN INTENT. THESE DEVICES MUST BE INSTALLED AS REQUIRED BY FEDERAL, STATE AND LOCAL REGULATIONS. CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF LIGHTING FIXTURES AND APPURTENANCES IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE BUILDING AND LOCAL ELECTRICAL CODES. THE ELECTRICAL CONTRACTOR MUST BRING IMMEDIATELY IN WRITING, ANY LIGHT LOCATIONS THAT CONFLICT WITH DRAINAGE, UTILITIES, OR OTHER STRUCTURES TO THE PROFESSIONAL OF RECORD'S ATTENTION, PRIOR TO THE START OF CONSTRUCTION.
5. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL LIGHTING IS INSTALLED PER THE LIGHTING PLAN, INCLUDING THE LOCATION, ORIENTATION, SHIELDING, AND/OR ROTATED OPTICS IN ORDER TO ACHIEVE THE LIGHTING LEVELS SPECIFIED ON THIS PLAN. FIXTURE POLES AND FOUNDATIONS ARE NOT TO BE USED.
6. UPON OWNER'S ACCEPTANCE OF THE COMPLETED PROJECT, THE OWNER SHALL BE RESPONSIBLE FOR ALL MAINTENANCE, SERVICING, REPAIR AND PROTECTION OF THE LIGHTING SYSTEM AND ALL OF ITS COMPONENTS AND RELATED SYSTEMS. THE LUMINAIRE, LAMPS AND LENSES MUST BE REGULARLY INSPECTED/MANITAINED TO ENSURE THAT THEY FUNCTION PROPERLY. THIS WORK SHOULD INCLUDE, BUT IS NOT LIMITED TO VISUAL OBSERVATION, CLEANING OF LENSES, AND OTHER MAINTENANCE SPECIFIED BY THE MANUFACTURER. FAILURE TO FOLLOW THE ABOVE STEPS COULD RESULT IN IMPROPER LIGHT DISTRIBUTION AND FAILURE TO COMPLY WITH THE APPROVED DESIGN.
7. THE LIGHT LOSS FACTORS (LLF) DEPICTED IN THE LUMINAIRE SCHEDULE ON THIS PLAN ARE BASED ON DATA PROVIDED BY THE MANUFACTURER FOLLOWING THE MANUFACTURER'S TESTING ON MOST RECENT DATA. THE LIGHT LEVELS SPECIFIED ON THIS PLAN WERE CALCULATED BASED ON THE LLF LISTED IN THE LUMINAIRE SCHEDULE.
8. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE SUBMITTALS TO BOHLER FOR REVIEW AND APPROVAL. SUBSTITUTION REQUESTS MUST BE ACCOMPANIED BY A HORIZONTAL PHOTOMETRIC STUDY DEMONSTRATING THAT THE LUMINAIRE IN QUESTION WILL MEET THE DESIGN INTENT OF THIS PLAN. SUBSTITUTION REQUESTS WITHOUT A PHOTOMETRIC STUDY WILL BE REJECTED.
9. LIGHT POLE FOUNDATIONS ARE SHOWN ON THE PLAN IN THE INTENDED LOCATION BASED ON THE LIGHTING CALCULATIONS. UNLESS OTHERWISE NOTED, LIGHT SYMBOLS ARE SHOWN LARGER THAN ACTUAL SIZE, HOWEVER FOUNDATION SIZE IS SHOWN AT ACTUAL SIZE.

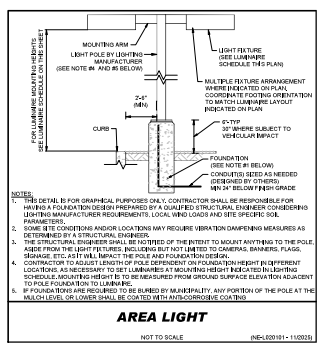
NUMERIC LIGHTING SUMMARY

LABEL	CALC TYPE	UNITS	AVG	MAX	MIN	AVG / MIN	MAX / MIN
MAIN PARKING AREA	ILLUMINATION	FC	3.32	11.30	0.90	3.99	12.44
ADA AND EV PARKING	ILLUMINATION	FC	2.86	5.80	0.90	2.96	6.44
FUEL CANOPY	ILLUMINATION	FC	23.34	25.70	21.20	1.10	1.18

LUMINAIRE SCHEDULE

SYMBOL	TOTAL	MOUNTING HEIGHT	ARRANGEMENT	LUMENS	LLF	DESCRIPTION
● P3	5	20'	SINGLE	9191	0.9	STERNBERG LIGHTING I527LED OMEGA SERIES (1527LED-040-040-040-040)
● C2	8	11.5'	SINGLE	4984	0.9	LEUCHNER LIGHTING EMILY PENDANT LIGHT (EMILY-15-24-SHLED-350MA-K40C42)
● S1	11	20'	SINGLE	1343	0.9	BAW LIGHT THE ORIGINAL INTEGRATED LED SERIES (W40-040-040-040-040-040)
● S2	3	18'	SINGLE	852	0.9	ECCOSENSE PRO VLV GRACE EXTERIOR SIGN LIGHT (ECCOSENSE-PRO-VLV-GRACE)
■ C1	6	15.5'	SINGLE	8970	0.9	LSI LIGHTING SCOTTSDALE CRUIS CANOPY FEATURE (CRUIS-15-VLV-KHDFL)

NOTE: FINAL LOCATION AND SPECIFICATION OF BUILDING MOUNTED LIGHTING PER ARCHITECTURAL PLANS. LIGHTS ARE SHOWN AND MODELED FOR ILLUSTRATIVE PURPOSES ONLY.



AREA LIGHT
(NE-E00101-1-10020)

NOT TO SCALE

SCALE: 1" = 20'

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SITE CIVIL AND CONSULTING ENGINEERING
PROGRAM MANAGEMENT
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REVISIONS

REV	DATE	COMMENT	APPROVED BY
1	01/15/2020	MEG COMMENTS	CSE

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PROJECT No.: MA25092-20-A
DRAWN BY: JDD
CHECKED BY: CSE
DATE: 10/20/2019
CAD ID: R20V-AL07

PROPOSED
SITE PLAN DOCUMENTS
FOR
CONCORD COUNTRY STORE LLC
PROPOSED
COUNTRY STORE AND
FUEL STATION

166 COMMONWEALTH AVENUE
MIDDLESEX COUNTY
CONCORD, MASSACHUSETTS
MAP: 9D | BLOCK: 2184 | LOT: 2

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WESTBOROUGH, MA 01581
PHONE: (508) 450-9100
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REGISTERED LANDSCAPE ARCHITECT
REGISTERED PROFESSIONAL ENGINEER

SHEET TITLE:
LIGHTING PLAN
SHEET NUMBER:
L-201
REVISION 1 - 01/15/2020

THIS PLAN TO BE UTILIZED FOR LIGHTING PURPOSES ONLY

DATE: 10/20/2019
PROJECT: 166 COMMONWEALTH AVENUE, CONCORD, MA 01734
DRAWING: L-201-01-10020

