

SPECIAL PERMIT SITE PLAN APPLICATION

FOR

7-ELEVEN, INC. PROPOSED CONVENIENCE STORE WITH FUELING OPERATIONS

ELEVEN

APPLICANT

7-ELEVEN, INC.
C/O STONEFIELD ENGINEERING & DESIGN, LLC
I BEACON STREET, FLOOR 15

OWNER

MESITE FAMILY LIMITED PARTNERSHI 354 ALLEN AVENU MERIDEN, CT 064

ATTORNEY



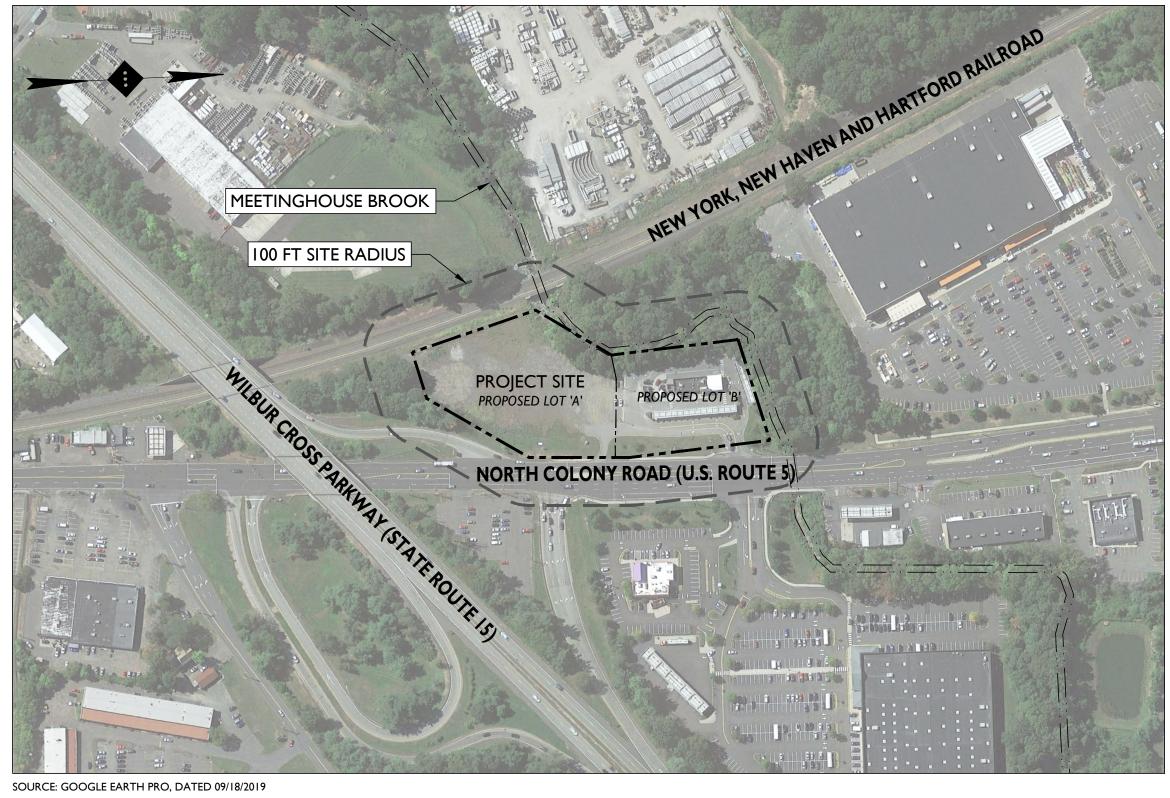
DENNIS A. CENEVIVA, ESQ.
CENEVIVA LAW FIRM, LLC
721 BROAD STREET
MERIDEN, CT 06450
203-237-4240
DENNIS@CENEVIVALAW.COM

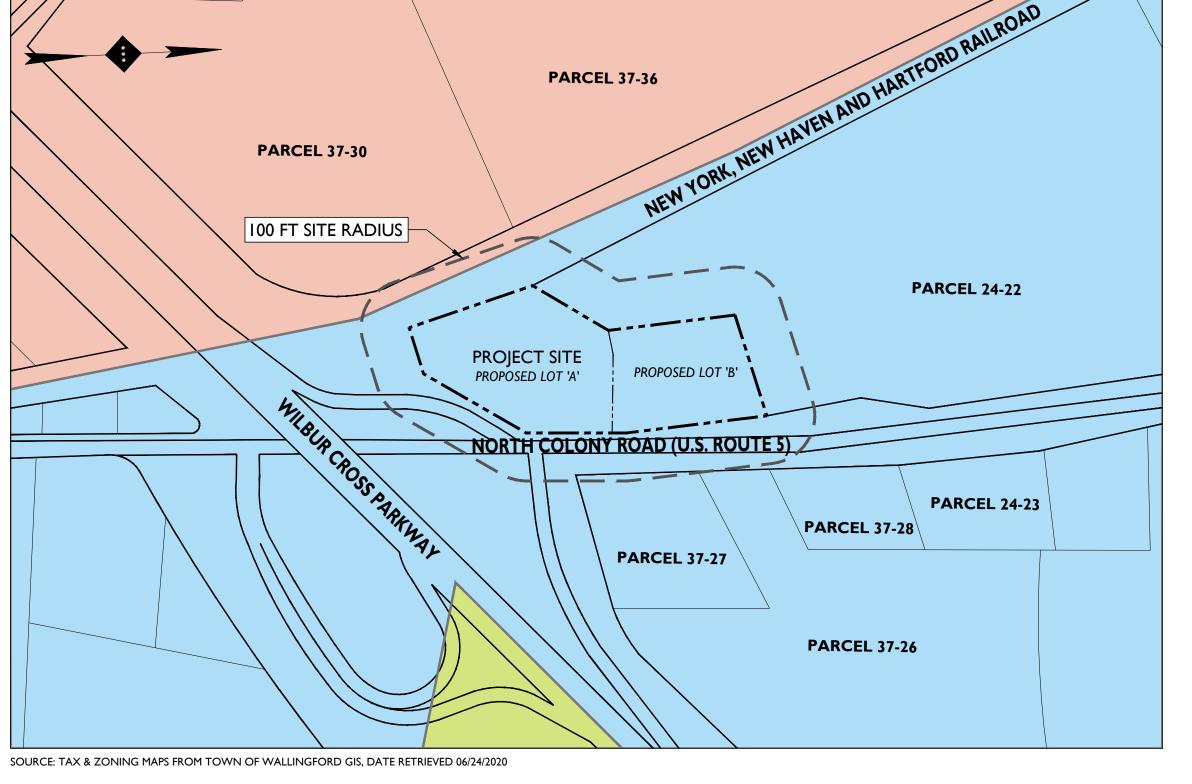
Know what's **below Call** before you dig.

KEY MAP

SCALE: I" = 1,000'±

TAX PARCEL 37-29, LOT 'A'
1033 NORTH COLONY ROAD (U.S. ROUTE 5)
TOWN OF WALLINGFORD, NEW HAVEN COUNTY, CONNECTICUT





AERIAL MAP

66415 111 2001

PLAN REFERENCE MATERIALS:

- I. THIS PLAN SET REFERENCES THE FOLLOWING DOCUMENTS INCLUDING, BUT NOT LIMITED TO:

 ALTA/NSPS LAND TITLE SURVEY PREPARED BY
 - ALTA/NSPS LAND TITLE SURVEY PREPARED BY CONTROL POINT ASSOCIATES, INC., DATED 10/02/2020
 ARCHITECTURAL PLANS PREPARED BY THE DIMENSION
- GROUP, DATED 09/01/2020

 AERIAL MAP FROM GOOGLE EARTH PRO, DATED
- LOCATION MAP FROM USGS QUADRANGLE MAPS,
- WALLINGFORD, CT DATED 2018
 TAX & ZONING MAPS FROM TOWN OF WALLINGFORD GIS, DATE RETRIEVED 06/24/2020
- SPECIAL PERMIT / SITE PLAN APPLICATION TO THE TOWN OF WALLINGFORD PLANNING ZONING COMMISSION FOR THE SONIC DEVELOPMENT PREPARED BY BL COMPANIES, DATED 04/27/2010
- TRAFFIC IMPACT STUDY PREPARED BY MILONE & MACBROOM, INC., DATED NOVEMBER 4, 2020
- 2. ALL REFERENCE MATERIAL LISTED ABOVE SHALL BE CONSIDERED A PART OF THIS PLAN SET AND ALL INFORMATION CONTAINED WITHIN THESE MATERIALS SHALL BE UTILIZED IN CONJUNCTION WITH THIS PLAN SET. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN A COPY OF EACH REFERENCE AND REVIEW IT THOROUGHLY PRIOR TO THE START OF CONSTRUCTION.

SCALE: I" = 200'± PLANS PREPARED BY:

STONEFIELD engineering & design

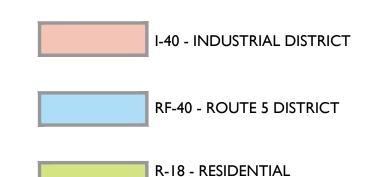
Rutherford, NJ · New York, NY · Boston, MA
Princeton, NJ · Tampa, FL · Detroit, MI
www.stonefieldeng.com

I Beacon Street, Boston, MA 02108 Phone 617.203.2076

TAX & ZONING MAP

SCALE: I" = 200'±

ZONING LEGEND



DISTRICT

FOR PERMITTING PURPOSES ONLY. NOT RELEASED FOR CONSTRUCTION. THESE PLANS HAVE BEEN PREPARED AS PART OF THE TOWN OF WALLINGFORD PLANNING AND ZONING APPLICATION PROCESS AND SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL NOTED.

SHEET INDEX						
DRAWING TITLE	SHEET#					
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DEMOLITION PLAN	C-3					
OVERALL SITE PLAN	C-4					
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GRADING PLAN	C-6					
STORMWATER MANAGEMENT PLAN	C-7					
UTILITY PLAN	C-8					
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SOIL EROSION & SEDIMENT CONTROL PLAN	C-10					
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LANDSCAPING PLAN	C-12					
LANDSCAPING DETAILS	C-13					
SITE CONSTRUCTION DETAILS	C-14 & C-15					
STORMWATER & UTILITY CONSTRUCTION DETAILS	C-16 & C-17					
LIGHTING CONSTRUCTION DETAILS	C-18					
SIGNAGE CONSTRUCTION DETAILS	C-19 & C-20					
CTDOT CONSTRUCTION DETAILS	C-21 & C-22					

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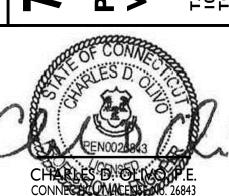
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UELING OPERAT

X PARCEL 37-29, LOT 'A 33 NORTH COLONY RO.



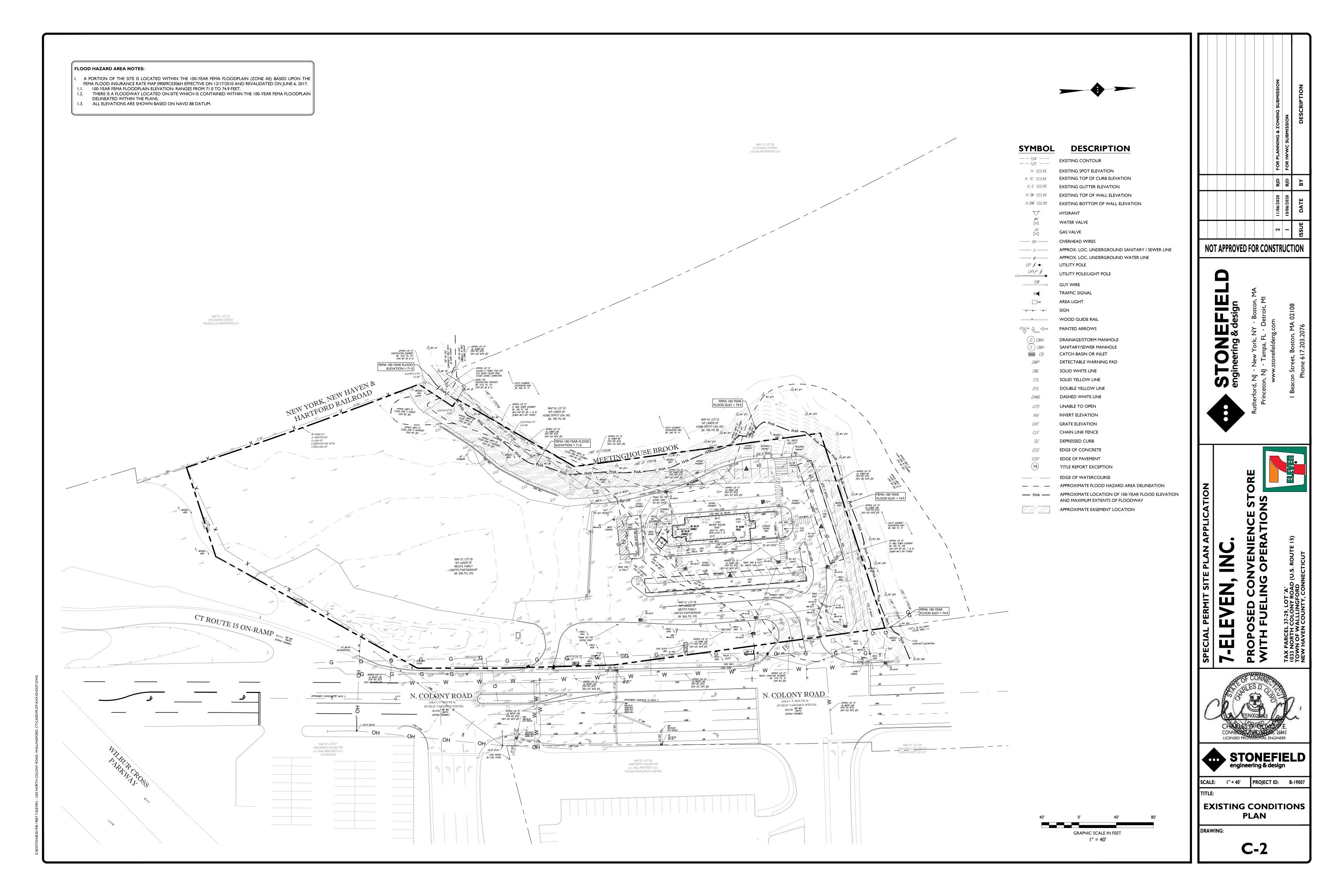


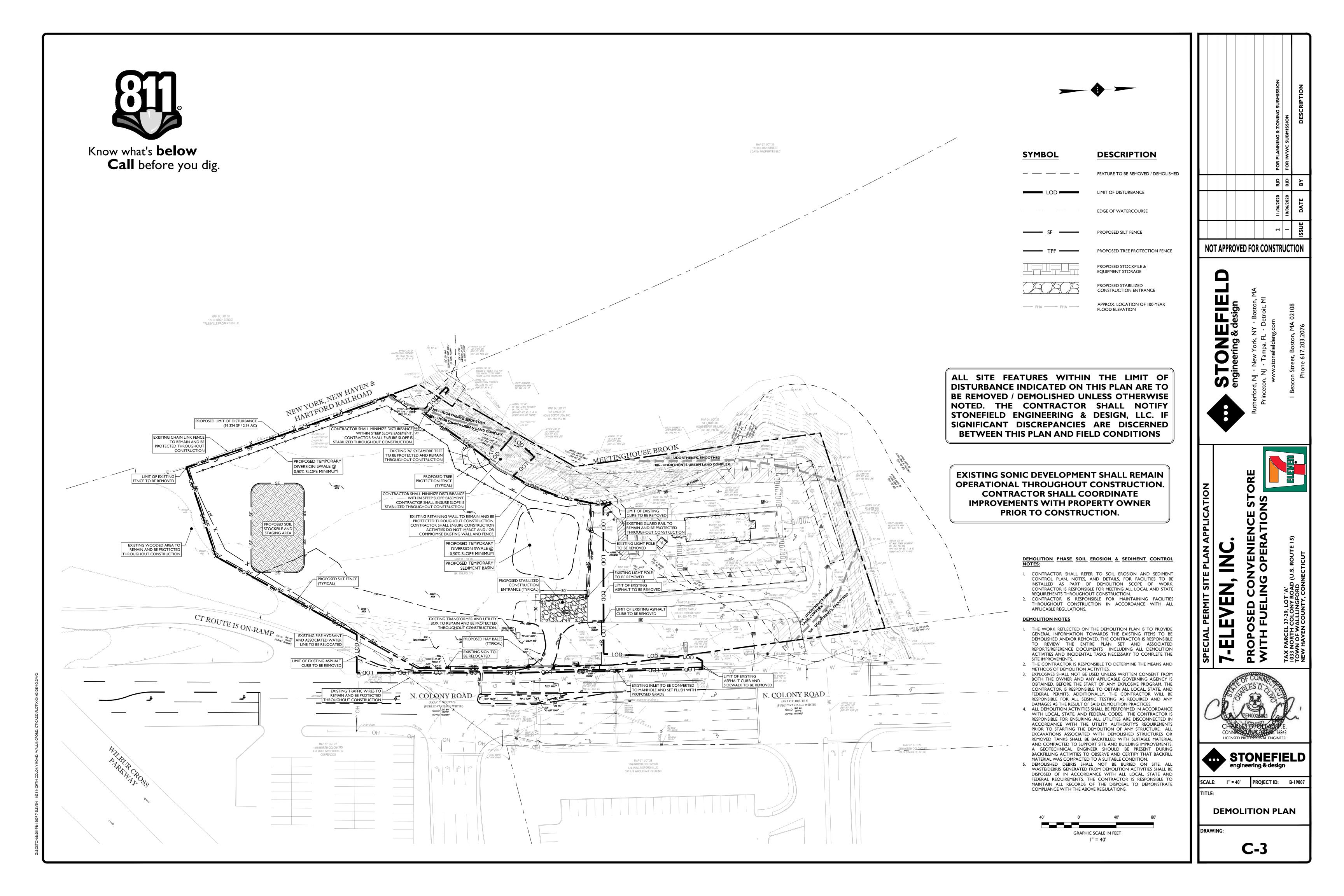
SCALE: AS SHOWN PROJECT ID: B-19007

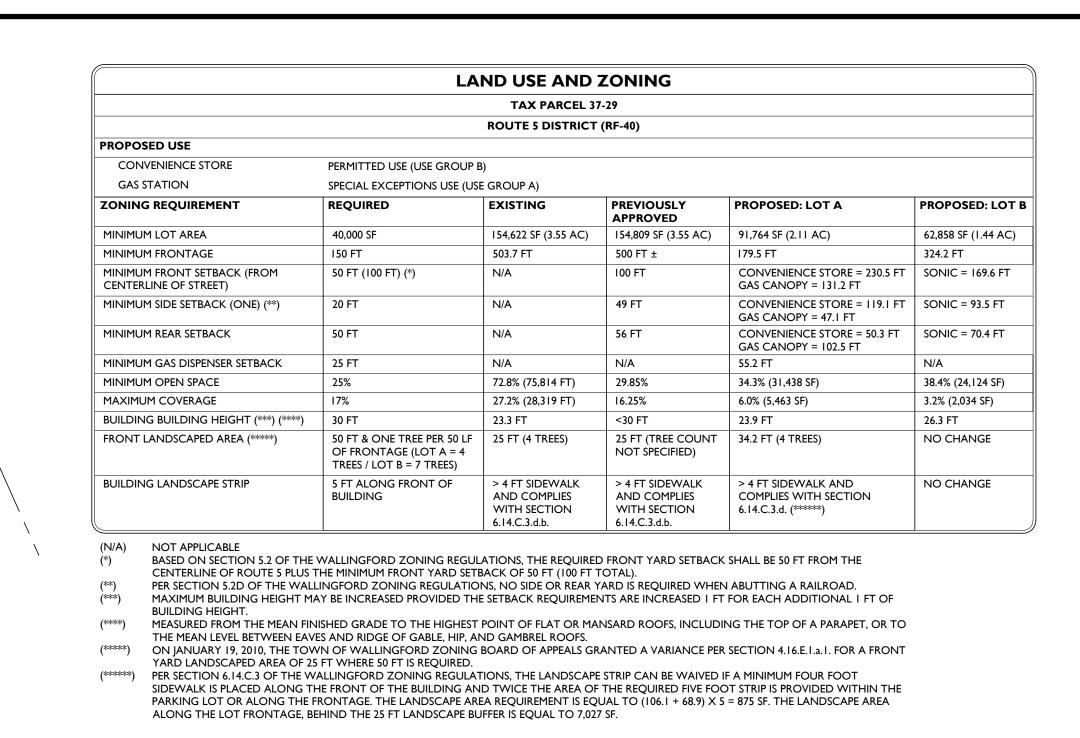
COVER SHEET

DRAWING:

C-I







CODE SECTION	REQUIRED	PROPOSED
§ 2.3 D.	90° PARKING REQUIREMENTS: MINIMUM STALL DIMENSIONS = 9 FT X 18 FT MINIMUM DRIVE AISLE WIDTH = 24 FT	9 FT X 18 FT 24.0 FT
§ 6.11 C.	REQUIRED PARKING:	
	LOT A: RETAIL STORE: I SPACE PER 250 SF OF GFA (5,463 SF) X (I SPACE / 250 SF) = 21.85 SPACES	LOT A: 43 SPACES
	GAS STATIONS: 5 SPACES PER BAY PLUS I SPACE PER EMPLOYEE PLUS 2 SPACES 0 BAYS, 3 EMPLOYEES = 5 SPACES	
	LOT B: RESTAURANT TAKE-OUT: I SPACE PER 75 SF OF GFA 2,034 SF / 75 SF = 27.12 SPACES	LOT B: 45 SPACES
	TOTAL REQUIRED PARKING: 22 + 5 +27 = 54 SPACES	
§ 6.11 F. b.	LOADING SPACE: 0 SPACES FOR 0 SF - 3,999 SF OF GFA I SPACE FOR 4,000 SF - 24,999 OF GFA	
	TOTAL REQUIRED LOADING: SPACE	LOT A: I SPACE LOT B: I SPACE
§ 6.11 F. 4.	LOADING SPACE SETBACK: MINIMUM 20 FT FROM ANY PROPERTY LINE OR STREET LINE	LOT A: 29.6 FT LOT B: 33.8 FT

IMPERVIOUS COVERAGE SUMMARY							
	(LOT A)	(LOT B)					
EXISTING IMPERVIOUS COVERAGE	65,608 SF (1.51 AC)	39,020 SF (0.90 AC)					
PROPOSED IMPERVIOUS COVERAGE	60,326 SF (1.38 AC)	38,734 SF (0.89 AC)					
CHANGE IN IMPERVIOUS COVERAGE	5,282 SF (0.13 AC)	286 SF (0.01 AC)					



SYMBOL

DESCRIPTION PROPERTY LINE						FOR PLANNING & ZONING SUBMIS	FOR IWWC SUBMISSION	DESCRIPTIC
						вјр	вјр	ВҰ
SETBACK LINE						11/06/2020	10/06/2020	DATE
SAWCUT LINE						0/11	0/01	٥
PROPOSED CURB						2	_	ISSUE
			 		<u> </u>			

NOT APPROVED FOR CONSTRUCTION

PROPOSED AREA LIGHT

PROPOSED BUILDING DOORS

EDGE OF WATERCOURSE

PROPOSED DEPRESSED CURB

PROPOSED SIGNS / BOLLARDS

PROPOSED BUILDING

PROPOSED CONCRETE

UPLAND REVIEW AREA BOUNDARY

WATERCOURSE SETBACK

APPROX. LOCATION OF 100-YEAR FLOOD ELEVATION

GENERAL NOTES

I. THE CONTRACTOR SHALL VERIFY AND FAMILIARIZE THEMSELVES WITH THE EXISTING SITE CONDITIONS AND THE PROPOSED SCOPE OF WORK (INCLUDING DIMENSIONS, LAYOUT, ETC.) PRIOR TO INITIATING THE IMPROVEMENTS IDENTIFIED WITHIN THESE DOCUMENTS. SHOULD ANY CONDITIONS AND THE PROPOSED WORK THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC.

PRIOR TO THE START OF CONSTRUCTION.

2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND ENSURE THAT ALL REQUIRED APPROVALS HAVE BEEN OBTAINED PRIOR TO THE START OF CONSTRUCTION. COPIES OF ALL REQUIRED PERMITS AND APPROVALS SHALL BE KEPT ON SITE AT ALL TIMES DURING CONSTRUCTION.

3. ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD HARMLESS STONEFIELD ENGINEERING & DESIGN, LLC. AND IT'S SUB-CONSULTANTS FROM AND AGAINST ANY DAMAGES AND LIABILITIES INCLUDING ATTORNEY'S FEES ARISING OUT OF CLAIMS BY EMPLOYEES OF THE CONTRACTOR IN ADDITION TO CLAIMS CONNECTED TO THE PROJECT AS A RESULT OF NOT CARRYING THE PROPER INSURANCE FOR WORKERS COMPENSATION, LIABILITY INSURANCE, AND LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE. 4. THE CONTRACTOR SHALL NOT DEVIATE FROM THE

PROPOSED IMPROVEMENTS IDENTIFIED WITHIN THIS PLAN SET UNLESS APPROVAL IS PROVIDED IN WRITING BY STONEFIELD ENGINEERING & DESIGN, LLC. 5. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE

MEANS AND METHODS OF CONSTRUCTION. 6. THE CONTRACTOR SHALL NOT PERFORM ANY WORK OR CAUSE DISTURBANCE ON A PRIVATE PROPERTY NOT CONTROLLED BY THE PERSON OR ENTITY WHO HAS AUTHORIZED THE WORK WITHOUT PRIOR WRITTEN CONSENT FROM THE OWNER OF THE PRIVATE PROPERTY. THE CONTRACTOR IS RESPONSIBLE TO RESTORE ANY DAMAGED OR UNDERMINED STRUCTURE OR SITE FEATURE THAT IS IDENTIFIED TO REMAIN ON THE PLAN SET. ALL REPAIRS SHALL USE NEW MATERIALS TO RESTORE THE FEATURE TO ITS EXISTING CONDITION AT THE

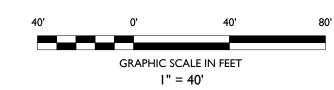
CONTRACTORS EXPENSE. 8. CONTRACTOR IS RESPONSIBLE TO PROVIDE THE APPROPRIATE SHOP DRAWINGS, PRODUCT DATA, AND OTHER REQUIRED SUBMITTALS FOR REVIEW. STONEFIELD ENGINEERING & DESIGN, LLC. WILL REVIEW THE SUBMITTALS IN ACCORDANCE WITH THE DESIGN INTENT AS REFLECTED WITHIN THE PLAN

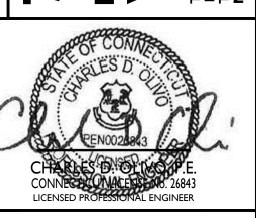
9. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.

THE CONTRACTOR IS REQUIRED TO PERFORM ALL WORK IN THE PUBLIC RIGHT-OF-WAY IN ACCORDANCE WITH THE APPROPRIATE GOVERNING AUTHORITY AND SHALL BE RESPONSIBLE FOR THE PROCUREMENT OF STREET OPENING

II. THE CONTRACTOR IS REQUIRED TO RETAIN AN OSHA CERTIFIED SAFETY INSPECTOR TO BE PRESENT ON SITE AT ALL TIMES DURING CONSTRUCTION & DEMOLITION ACTIVITIES. 12. SHOULD AN EMPLOYEE OF STONEFIELD ENGINEERING & DESIGN, LLC. BE PRESENT ON SITE AT ANY TIME DURING CONSTRUCTION, IT DOES NOT RELIEVE THE CONTRACTOR OF ANY OF THE RESPONSIBILITIES AND REQUIREMENTS LISTED IN THE NOTES WITHIN THIS PLAN SET.

ROADWAY AND SIGNAL IMPROVEMENTS WITHIN NORTH COLONY ROAD SUBJECT TO APPROVAL FROM CDOT. IMPROVEMENTS SHOWN WITHIN RIGHT-OF-WAY ARE FOR REFERENCE PURPOSES ONLY.



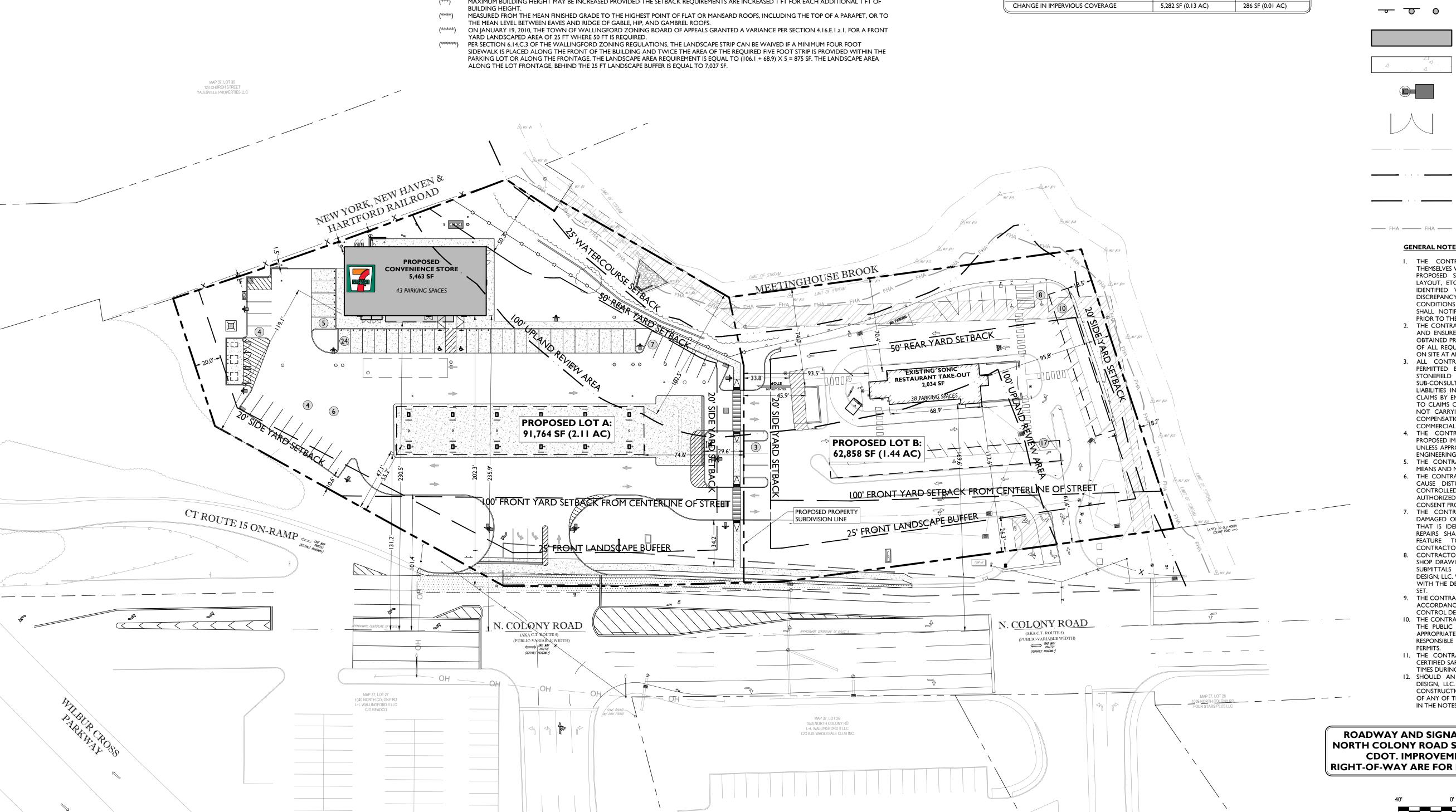




SCALE: I" = 40' PROJECT ID: B-19007

OVERALL SITE PLAN

DRAWING:



		LAND USI	E AND ZONIN	G	
		TAX	PARCEL 37-29		
		ROUTE 5	DISTRICT (RF-40)		
	PROPOSED USE				
	CONVENIENCE STORE	PERMITTED USE (USE GROUP E	3)		
	GAS STATION	SPECIAL EXCEPTIONS USE (USI	,		
	ZONING REQUIREMENT	REQUIRED	EXISTING	PREVIOUSLY APPROVED	PROPOSED: LOT A
	MINIMUM LOT AREA	40,000 SF	154,622 SF (3.55 AC)	154,809 SF (3.55 AC)	91,764 SF (2.11 AC)
	MINIMUM FRONTAGE	150 FT	503.7 FT	500 FT ±	179.5 FT
	MINIMUM FRONT SETBACK (FROM CENTERLINE OF STREET)	50 FT (100 FT) (*)	N/A	100 FT	CONVENIENCE STORE = 230.5 F GAS CANOPY = 131.2 FT
	MINIMUM SIDE SETBACK (ONE) (**)	20 FT	N/A	49 FT	CONVENIENCE STORE = 119.1 F GAS CANOPY = 47.1 FT
	MINIMUM REAR SETBACK	50 FT	N/A	56 FT	CONVENIENCE STORE = 50.3 FT GAS CANOPY = 102.5 FT
	MINIMUM GAS DISPENSER SETBACK	25 FT	N/A	N/A	55.2 FT
	MINIMUM OPEN SPACE MAXIMUM COVERAGE	25%	72.8% (75,814 FT) 27.2% (28,319 FT)	29.85% 16.25%	34.3% (31,438 SF) 6.0% (5,463 SF)
	BUILDING BUILDING HEIGHT (***) (****)	30 FT	27.2% (28,319 F1) 23.3 FT	<30 FT	23.9 FT
	FRONT LANDSCAPED AREA (*****)	50 FT & ONE TREE PER 50 LF OF FRONTAGE (LOT A = 4 TREES / LOT B = 7 TREES)	25 FT (4 TREES)	25 FT (TREE COUNT NOT SPECIFIED)	34.2 FT (4 TREES)
	BUILDING LANDSCAPE STRIP	5 FT ALONG FRONT OF BUILDING	> 4 FT SIDEWALK AND COMPLIES WITH SECTION 6.14.C.3.d.b.	> 4 FT SIDEWALK AND COMPLIES WITH SECTION 6.14.C.3.d.b.	> 4 FT SIDEWALK AND COMPLIES WITH SECTION 6.14.C.3.d. (***********************************
	BUILDING HEIGHT. (****) MEASURED FROM THE MEAN FIN THE MEAN LEVEL BETWEEN EAVE (****) ON JANUARY 19, 2010, THE TOW YARD LANDSCAPED AREA OF 25 (*****) PER SECTION 6.14.C.3 OF THE WASIDEWALK IS PLACED ALONG THE	LINGFORD ZONING REGULATIO AY BE INCREASED PROVIDED THI IISHED GRADE TO THE HIGHEST ES AND RIDGE OF GABLE, HIP, AI VN OF WALLINGFORD ZONING IS FT WHERE 50 FT IS REQUIRED. ALLINGFORD ZONING REGULAT HE FRONT OF THE BUILDING AN FRONTAGE. THE LANDSCAPE ARI	NS, NO SIDE OR REAR YES SETBACK REQUIREMENT OF FLAT OR MAND GAMBREL ROOFS. BOARD OF APPEALS GREIONS, THE LANDSCAPED TWICE THE AREA OF EA REQUIREMENT IS EQ	YARD IS REQUIRED WHEN NTS ARE INCREASED I FT NSARD ROOFS, INCLUDI ANTED A VARIANCE PER E STRIP CAN BE WAIVED I THE REQUIRED FIVE FOO UAL TO (106.1 + 68.9) X 5	FOR EACH ADDITIONAL I FT OF NG THE TOP OF A PARAPET, OR TO R SECTION 4.16.E.1.a.1. FOR A FRON
3'-3 1/2"					NEW YORK, NEW YO

6.4 C.	WATERCOURSE BUFFER REQUIREMENT: MINIMUM BUFFER ALONG WATERCOURSES = 25 FT	33.8 FT
6.12 E. 2.	DUMPSTERS, REFUSE AND RECYCLING CONTAINERS: PERMITTED ONLY IN REAR AND SIDE YARDS	COMPLIES
	SUCH CONTAINERS SHALL BE SCREENED FROM ANY STREETLINE OR PROPERTY LINE BY MEANS OF WALLS, FENCES, BUILDINGS, OR EVERGREEN SHRUBS AND TREES.	COMPLIES
14 B. 3.	LANDSCAPING: ALL LANDSCAPING, TREES, AND PLANTING MATERIALS ADJACENT TO PARKING AREAS, LOADING AREAS, OR DRIVEWAYS, SHALL BE PROPERLY PROTECTED BY BARRIERS, CURBS, OR OTHER MEANS FROM DAMAGE BY VEHICLES	COMPLIES

- 2. ALL CONSTRUCTION IN THE STATE ROW SHALL BE IN CONFORMANCE WITH CTDOT ENCROACHMENT PERMIT REGULATIONS, A COPY OF WHICH CAN BE FOUND ON WWW.CT.GOV/DOT 3. STRICT ADHERENCE TO ALL OSHA, CITY OF DANBURY AND STATE OF CONNECTICUT REGULATIONS
- REGARDING CONSTRUCTION IS REQUIRED AT ALL TIMES. 4. CONTRACTOR IS RESPONSIBLE TO CONTACT " CALL BEFORE YOU DIG".
- 5. DISCREPANCIES IN THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY FOR RESOLUTIONS.
- 6. THE EROSION CONTROL LINE IS TO BE CONSIDERED AS THE LIMIT OF CONSTRUCTION UNLESS OTHERWISE NOTED. 7. SPARE EROSION CONTROLS SHALL BE STORED ON SITE FOR EMERGENCY USE.

 8. CONTRACTOR SHALL ADJUST ALL UTILITY BOXES, MANHOLES, VALVES, ETC. TO THE NEW FINISHED
- 9. ALL DISTURBED AREAS ARE TO BE TOPSOILED & SEEDED. 10. CONTRACTOR TO MATCH INTO EXISTING CONDITIONS AT ALL POINTS WHERE CONSTRUCTION MUST

APPROXIMATE LOCATION OF THE 100-YEAR FLOOD ELEVATION PER FEMA

MATCH SUCH EXISTING CONDITIONS. II. PROPOSED RELOCATED UTILITY POLES ARE SUBJECT TO FINAL APPROVAL BY THE UTILITY COMPANY. DEVELOPER AND CONTRACTOR SHALL MEET IN THE FIELD WITH THE UTILITY COMPANY TO FINALIZE NEW POLE LOCATIONS.

	OFF-STREET PARKING REQUIREMENTS	1
CODE SECTION	REQUIRED	PROPOSED
§ 2.3 D.	90° PARKING REQUIREMENTS: MINIMUM STALL DIMENSIONS = 9 FT X 18 FT MINIMUM DRIVE AISLE WIDTH = 24 FT	9 FT X 18 FT 24.0 FT
§ 4.16 E. 3.	DRIVEWAY REQUIREMENT: MAXIMUM DRIVEWAYS TO ROUTE 5 = 1 DRIVEWAY	I DRIVEWAY
§ 6.11 G. 6.	ALL DRIVEWAYS SHALL BE PPROVIDED WITH PAVED APRONS STARTING AT THE PROPERTY LINE AND ENDING AT THE GUTTER OR STREET FACE OF THE CURB LINES	COMPLIES
§ 6.11 C.	REQUIRED PARKING: RETAIL STORE: I SPACE FOR EACH 250 SF OF GFA (5,463 SF) X (I SPACE / 250 SF) = 21.85 SPACES GAS STATIONS: 5 SPACES PER BAY PLUS I SPACE PER EMPLOYEE PLUS 2 SPACES 0 BAYS, 3 EMPLOYEES = 5 SPACES TOTAL REQUIRED PARKING: 22 + 5 = 27 SPACES	43 SPACES
§ 6.11 F. b.	LOADING SPACE: I SPACE FOR 4,000 SF - 24,999 OF GFA TOTAL REQUIRED LOADING: I SPACE	I SPACES
§ 6.11 F. 4.	LOADING SPACE SETBACK: MINIMUM 20 FT FROM ANY PROPERTY LINE OR STREET LINE	29.6 FT
§ 6.11 H.	REQUIRED HANDICAPPED PARKING: 2 SPACES FOR 25 TO 50 PROPOSED PARKING SPACES TOTAL REQUIRED HANDICAPPED PARKING: 2 SPACES	2 SPACES

SIGNAGE REQUIREMENTS

CANOPY = 24.2 SF

20 FT

46.0 SF

14.6 FT

I SIGN

COMPLIES

TOTAL AGGREGATE SURFACE AREA OF ALL SIGNS SHALL

NOT EXCEED I SF FOR EACH LINEAR FOOT OF THE

MINIMUM SETBACK FROM PROPERTY LINE = 10 FT

MAXIMUM PERMITTED = I SIGN PER LOT

WALL SIGN REQUIREMENTS:
SHALL BE PLACED FLUSH TO BUILDING

DISPLAY WINDOWS ARE LOCATED MAXIMUM AGGREGATE AREA = 106 SF (*)

GROUND SIGN REQUIREMENTS
MAXIMUM HEIGHT = 20 FT (**)

MAXIMUM AREA = 64 SF

BUILDING WHERE THE PRIMARY ENTRANCE AND/OR

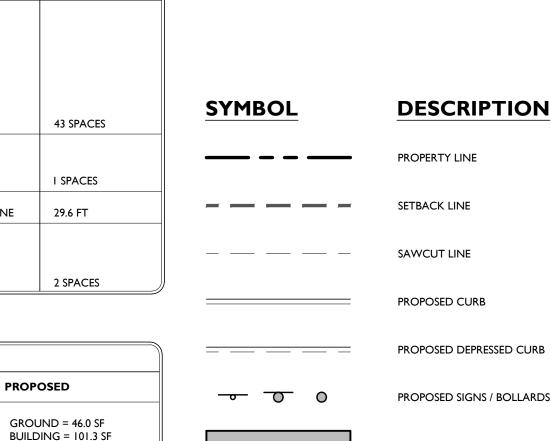
CODE SECTION | REQUIRED

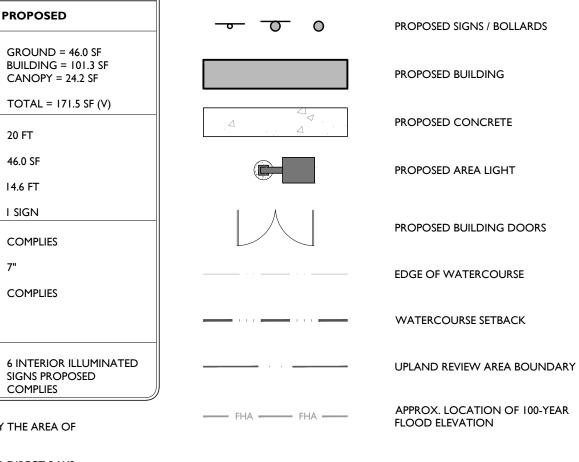
§ 6.9 D. 4. a. 1.

§ 6.9 E. 4.

§ 6.9 E. 6.







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PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND ENSURE THAT ALL REQUIRED APPROVALS HAVE BEEN OBTAINED PRIOR TO THE START OF CONSTRUCTION. COPIES OF ALL REQUIRED PERMITS AND APPROVALS SHALL BE KEPT ON SITE AT ALL TIMES DURING CONSTRUCTION. ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD HARMLESS STONEFIELD ENGINEERING & DESIGN, LLC. AND IT'S SUB-CONSULTANTS FROM AND AGAINST ANY DAMAGES AND LIABILITIES INCLUDING ATTORNEY'S FEES ARISING OUT OF CLAIMS BY EMPLOYEES OF THE CONTRACTOR IN ADDITION TO CLAIMS CONNECTED TO THE PROJECT AS A RESULT OF NOT CARRYING THE PROPER INSURANCE FOR WORKERS COMPENSATION, LIABILITY INSURANCE, AND LIMITS OF

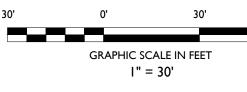
COMMERCIAL GENERAL LIABILITY INSURANCE. THE CONTRACTOR SHALL NOT DEVIATE FROM THE PROPOSED IMPROVEMENTS IDENTIFIED WITHIN THIS PLAN SET UNLESS APPROVAL IS PROVIDED IN WRITING BY STONEFIELD **ENGINEERING & DESIGN, LLC.** THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE

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ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION. THE CONTRACTOR IS REQUIRED TO PERFORM ALL WORK IN THE PUBLIC RIGHT-OF-WAY IN ACCORDANCE WITH THE APPROPRIATE GOVERNING AUTHORITY AND SHALL BE RESPONSIBLE FOR THE PROCUREMENT OF STREET OPENING

THE CONTRACTOR IS REQUIRED TO RETAIN AN OSHA CERTIFIED SAFETY INSPECTOR TO BE PRESENT ON SITE AT ALL TIMES DURING CONSTRUCTION & DEMOLITION ACTIVITIES. SHOULD AN EMPLOYEE OF STONEFIELD ENGINEERING & DESIGN, LLC. BE PRESENT ON SITE AT ANY TIME DURING CONSTRUCTION, IT DOES NOT RELIEVE THE CONTRACTOR OF ANY OF THE RESPONSIBILITIES AND REQUIREMENTS LISTED IN THE NOTES WITHIN THIS PLAN SET.



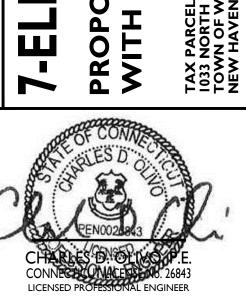
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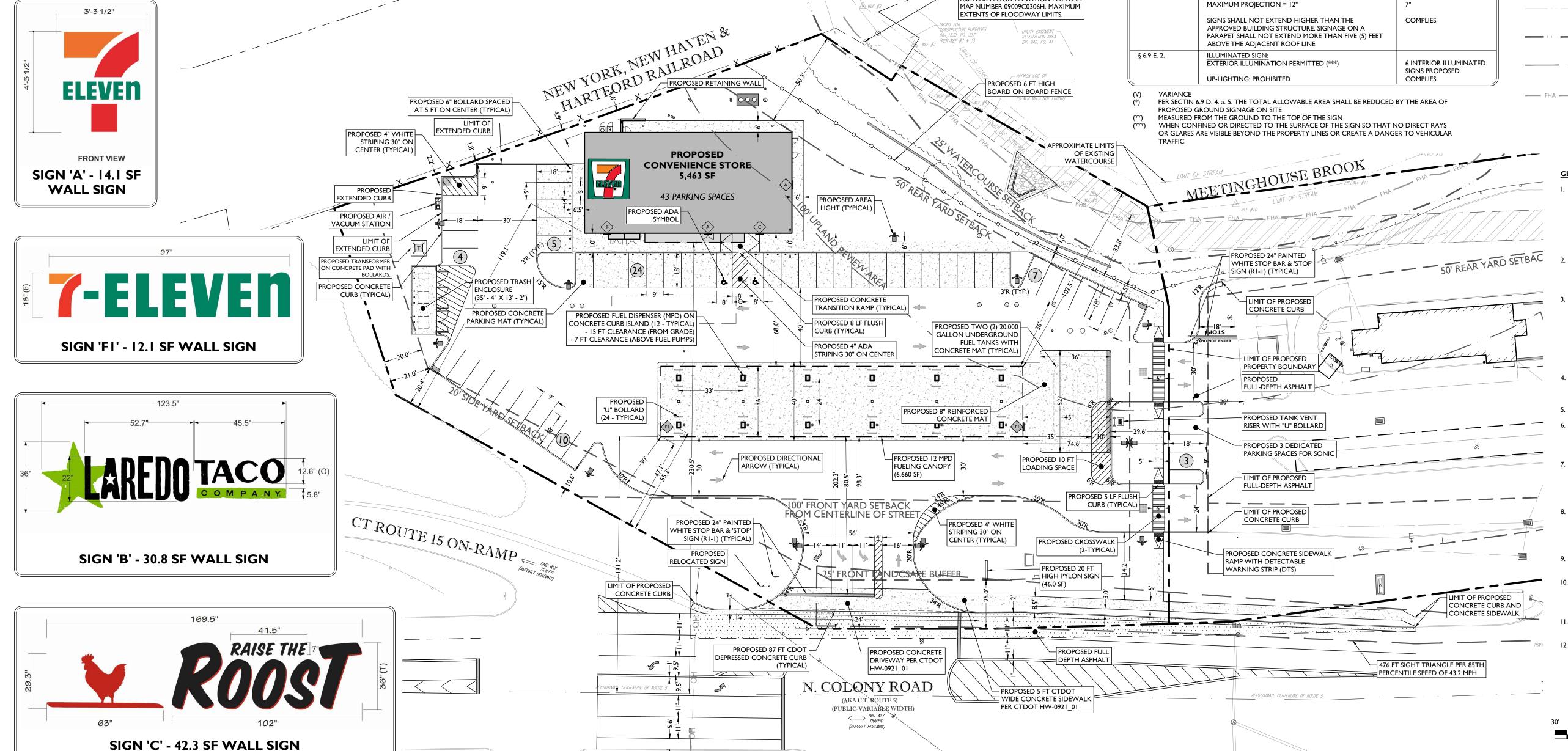




SCALE: I" = 30' PROJECT ID: B-19007

SITE PLAN

DRAWING:



GRADING NOTES I. ALL SOIL AND MATERIAL REMOVED FROM THE SITE SHALL BE I. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 2.00% SLOPE IN ANY DIRECTION WITHIN THE ADA PARKING SPACES AND ACCESS DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS. ANY GROUNDWATER DE-WATERING PRACTICES THE CONTRACTOR SHALL PROVIDE COMPLIANT SIGNAGE AT ALL SHALL BE PERFORMED UNDER THE SUPERVISION OF A QUALIFIED ADA PARKING AREAS IN ACCORDANCE WITH STATE GUIDELINES. PROFESSIONAL. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 5.00% RUNNING NECESSARY PERMITS FOR THE DISCHARGE OF DE-WATERED GROUNDWATER. ALL SOIL IMPORTED TO THE SITE SHALL BE SLOPE AND A MAXIMUM OF 2.00% CROSS SLOPE ALONG WALKWAYS WITHIN THE ACCESSIBLE PATH OF TRAVEL (SEE THE SITE PLAN FOR CERTIFIED CLEAN FILL. CONTRACTOR SHALL MAINTAIN RECORDS OF THE LOCATION OF THE ACCESSIBLE PATH). THE CONTRACTOR IS ALL FILL MATERIALS BROUGHT TO THE SITE. RESPONSIBLE TO ENSURE THE ACCESSIBLE PATH OF TRAVEL IS 36 THE CONTRACTOR IS REQUIRED TO PROVIDE TEMPORARY AND/OR PERMANENT SHORING WHERE REQUIRED DURING EXCAVATION INCHES WIDE OR GREATER UNLESS INDICATED OTHERWISE WITHIN ACTIVITIES, INCLUDING BUT NOT LIMITED TO UTILITY TRENCHES, TO THE PLAN SET. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 2.00% SLOPE IN ENSURE THE STRUCTURAL INTEGRITY OF NEARBY STRUCTURES AND ANY DIRECTION AT ALL LANDINGS. LANDINGS INCLUDE, BUT ARE STABILITY OF THE SURROUNDING SOILS. **SYMBOL DESCRIPTION** NOT LIMITED TO, THE TOP AND BOTTOM OF AN ACCESSIBLE RAMP, PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 4 INCHES TO 7 AT ACCESSIBLE BUILDING ENTRANCES, AT AN AREA IN FRONT OF A INCHES ABOVE EXISTING GRADES UNLESS OTHERWISE NOTED. THE WALK-UP ATM. AND AT TURNING SPACES ALONG THE ACCESSIBLE CONTRACTOR WILL SUPPLY ALL STAKEOUT CURB GRADE SHEETS TO PATH OF TRAVEL. THE LANDING AREA SHALL HAVE A MINIMUM STONEFIELD ENGINEERING & DESIGN, LLC. FOR REVIEW AND PROPERTY LINE CLEAR AREA OF 60 INCHES BY 60 INCHES UNLESS INDICATED APPROVAL PRIOR TO POURING CURBS. 4. THE CONTRACTOR IS RESPONSIBLE TO SET ALL PROPOSED UTILITY OTHERWISE WITHIN THE PLAN SET. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 8.33% RUNNING COVERS AND RESET ALL EXISTING UTILITY COVERS WITHIN THE PROPOSED GRADING CONTOUR SLOPE AND A MAXIMUM 2.00% CROSS SLOPE ON ANY CURB RAMPS PROJECT LIMITS TO PROPOSED GRADE IN ACCORDANCE WITH ANY ALONG THE ACCESSIBLE PATH OF TRAVEL. WHERE PROVIDED, CURB APPLICABLE MUNICIPAL, COUNTY, STATE AND/OR UTILITY RAMP FLARES SHALL NOT HAVE A SLOPE GREATER THAN 10.00% IF A AUTHORITY REGULATIONS. LANDING AREA IS PROVIDED AT THE TOP OF THE RAMP. FOR 5. MINIMUM SLOPE REQUIREMENTS TO PREVENT PONDING SHALL BE AS PROPOSED GRADING RIDGELINE ALTERATIONS, A CURB RAMP FLARES SHALL NOT HAVE A SLOPE FOLLOWS: GREATER THAN 8.33% IF A LANDING AREA IS NOT PROVIDED AT THE CURB GUTTER: TOP OF THE RAMP. CURBS RAMPS SHALL NOT RISE MORE THAN 6 CONCRETE SURFACES: 1.00% INCHES IN ELEVATION WITHOUT A HANDRAIL. THE CLEAR WIDTH OF ASPHALT SURFACES: **X** G 100.00 PROPOSED GRADE SPOT SHOT A CURB RAMP SHALL BE NO LESS THAN 36 INCHES WIDE. 5. A MINIMUM SLOPE OF 1.00% SHALL BE PROVIDED AWAY FROM ALL ACCESSIBLE RAMPS WITH A RISE GREATER THAN 6 INCHES SHALL BUILDINGS. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FROM THE BUILDING IS ACHIEVED AND SHALL NOTIFY STONEFIELD CONTAIN COMPLIANT HANDRAILS ON BOTH SIDES OF THE RAMP **X** TC 100.50 PROPOSED TOP OF CURB / AND SHALL NOT RISE MORE THAN 30" IN ELEVATION WITHOUT A ENGINEERING & DESIGN, LLC. IF THIS CONDITION CANNOT BE MET. BC 100.00 BOTTOM OF CURB SPOT SHOT LANDING AREA IN BETWEEN RAMP RUNS. LANDING AREAS SHALL 6. FOR PROJECTS WHERE BASEMENTS ARE PROPOSED, THE DEVELOPER IS RESPONSIBLE TO DETERMINE THE DEPTH TO GROUNDWATER AT THE ALSO BE PROVIDED AT THE TOP AND BOTTOM OF THE RAMP. LOCATION OF THE PROPOSED STRUCTURE. IF GROUNDWATER IS A SLIP RESISTANT SURFACE SHALL BE CONSTRUCTED ALONG THE **X** FC 100.00 PROPOSED FLUSH CURB SPOT SHOT ENCOUNTERED WITHIN THE BASEMENT AREA, SPECIAL ACCESSIBLE PATH AND WITHIN ADA PARKING AREAS. CONSTRUCTION METHODS SHALL BE UTILIZED AND 8. THE CONTRACTOR SHALL ENSURE A MAXIMUM OF 1/4 INCHES VERTICAL CHANGE IN LEVEL ALONG THE ACCESSIBLE PATH. WHERE A REVIEWED/APPROVED BY THE CONSTRUCTION CODE OFFICIAL. IF CHANGE IN LEVEL BETWEEN 1/4 INCHES AND 1/2 INCHES EXISTS. SUMP PUMPS ARE UTILIZED. ALL DISCHARGES SHALL BE CONNECTED PROPOSED DEPRESSED CURB / CONTRACTOR SHALL ENSURE THAT THE TOP 1/4 INCH CHANGE IN DIRECTLY TO THE PUBLIC STORM SEWER SYSTEM WITH APPROVAL BOTTOM OF CURB SPOT SHOT LEVEL IS BEVELED WITH A SLOPE NOT STEEPER THAN I UNIT VERTICAL FROM THE GOVERNING STORM SEWER SYSTEM AUTHORITY. AND 2 UNITS HORIZONTAL (2:1 SLOPE). THE CONTRACTOR SHALL ENSURE THAT ANY OPENINGS (GAPS OR **X** TB 100.00 PROPOSED TOP OF BERM SPOT SHOT HORIZONTAL SEPARATION) ALONG THE ACCESSIBLE PATH SHALL FLOOD VOLUME NOTE: NOT ALLOW PASSAGE OF A SPHERE GREATER THAN ½ INCH. PROPOSED TOP OF CURB / GRADE HIGH / DRAINAGE AND UTILITY NOTES CONTRACTOR SHALL ENSURE ANY PROPOSED DISTURBANCE WITHIN GRADE LOW SPOT SHOT THE 100-YEAR FLOOD ELEVATION AREA OR THE FLOODWAY SHALL BE I. THE CONTRACTOR TO PERFORM A TEST PIT PRIOR TO AT OR BELOW EXISTING GRADE AND SHALL NOT DECREASE THE CONSTRUCTION (RECOMMEND 30 DAYS PRIOR) AT LOCATIONS OF FLOOD COMPENSATION VOLUME. APPROX. LOCATION OF 100-YEAR EXISTING UTILITY CROSSINGS FOR STORMWATER IMPROVEMENTS. FLOOD ELEVATION SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IN WRITING. CONTRACTOR SHALL START CONSTRUCTION OF STORM LINES AT THE LOWEST INVERT AND WORK UP-GRADIENT. THE CONTRACTOR IS REQUIRED TO CALL THE APPROPRIATE AUTHORITY FOR NOTICE OF CONSTRUCTION/EXCAVATION AND UTILITY MARK OUT PRIOR TO THE START OF CONSTRUCTION IN ACCORDANCE WITH STATE LAW. CONTRACTOR IS REQUIRED TO CONFIRM THE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES IN THE FIELD. SHOULD A DISCREPANCY EXIST BETWEEN THE FIELD LOCATION OF A UTILITY AND THE LOCATION SHOWN ON THE PLAN SET OR SURVEY, THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IMMEDIATELY IN WRITING. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN A RECORD OF THE AS-BUILT LOCATIONS OF ALL PROPOSED UNDERGROUND INFRASTRUCTURE. THE CONTRACTOR SHALL NOTE ANY DISCREPANCIES BETWEEN THE AS-BUILT LOCATIONS AND THE LOCATIONS DEPICTED WITHIN THE PLAN SET. THIS RECORD SHALL BE PROVIDED TO THE OWNER FOLLOWING COMPLETION OF WORK. PROPOSED STORMWATER MANHOLE **EXCAVATION, SOIL PREPARATION, AND DEWATERING NOTES** PROPOSED WATER QUALITY UNIT THE CONTRACTOR IS REQUIRED TO REVIEW THE REFERENCED GEOTECHNICAL DOCUMENTS PRIOR TO CONSTRUCTION, THESE DOCUMENTS SHALL BE CONSIDERED A PART OF THE PLAN SET. THE CONTRACTOR IS REQUIRED TO PREPARE SUBGRADE SOILS 89.00 BENEATH ALL PROPOSED IMPROVEMENTS AND BACKFILL ALL EXCAVATIONS IN ACCORDANCE WITH RECOMMENDATIONS BY THE PROPOSED STORMWATER PROPOSED CATCH BASIN GEOTECHNICAL ENGINEER OF RECORD. MANHOLE THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SHORING FOR STIOUSE ALL EXCAVATIONS AS REQUIRED. CONTRACTOR SHALL HAVE THE PROPOSED STORMWATER SHORING DESIGN PREPARED BY A QUALIFIED PROFESSIONAL. √ MANHOLE SHORING DESIGNS SHALL BE SUBMITTED TO STONEFIELD G 89.00 89.00 ENGINEERING & DESIGN, LLC. AND THE OWNER PRIOR TO THE START OF CONSTRUCTION. FF 89.00 THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL OPEN EXCAVATIONS ARE PERFORMED AND PROTECTED IN ACCORDANCE WITH THE LATEST OSHA REGULATIONS. THE CONTRACTOR IS RESPONSIBLE FOR ANY DEWATERING DESIGN PROPOSED CATCH BASIN AND OPERATIONS, AS REQUIRED, TO CONSTRUCT THE PROPOSED (WITH SUMP) IMPROVEMENTS. THE CONTRACTOR SHALL OBTAIN ANY REQUIRED PERMITS FOR DEWATERING OPERATIONS AND GROUNDWATER STORMWATER INFILTRATION BMP CONSTRUCTION NOTES PROPOSED STORMWATER MANHOLE PRIOR TO THE START OF CONSTRUCTION, ANY AREA DESIGNATED PROPOSED STORMWATER TO BE USED FOR AN INFILTRATION BMP (E.G. BASIN, BIORETENTION MANHOLE AREA, ETC.) SHALL BE FENCED OFF AND SHALL NOT BE UTILIZED AS STORAGE FOR CONSTRUCTION EQUIPMENT OR AS A STOCKPILE AREA FOR CONSTRUCTION MATERIALS. NO ACTIVITY SHALL BE PERMITTED WITHIN THE INFILTRATION BASIN AREA UNLESS RELATED TO THE CONSTRUCTION OF THE INFILTRATION BASIN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY ALL PROPOSED OUTLET SUBCONTRACTORS OF BASIN AREA RESTRICTIONS. STRUCTURE 86.80 PROPOSED O/G THE CONTRACTOR SHALL MAKE EVERY EFFORT. WHERE PRACTICAL. ■ SEPERATOR TO AVOID SUBGRADE SOIL COMPACTION IN THE AREAS DESIGNATED TO BE USED FOR AN INFILTRATION BMP. ALL EXCAVATION WITHIN THE LIMITS OF ANY INFILTRATION BMP SHALL BE PERFORMED WITH THE LIGHTEST PRACTICAL EXCAVATION PROPOSED CATCH BASIN 87.60 EQUIPMENT. ALL EXCAVATION EQUIPMENT SHALL BE PLACED (WITH SUMP) PROPOSED CATCH BASIN G 85.68 OUTSIDE THE LIMITS OF THE BASIN WHERE FEASIBLE. THE USE OF (WITH SUMP) LIGHT-WEIGHT, RUBBER-TIRED EQUIPMENT (LESS THAN 8 PSI APPLIED TO THE GROUND SURFACE) IS RECOMMENDED WITHIN THE BASIN PROPOSED STORMWATER THE SEQUENCE OF SITE CONSTRUCTION SHALL BE COORDINATED MANHOLE WITH BASIN CONSTRUCTION TO ADHERE TO SEQUENCING PROPOSED WATER LIMITATIONS. QUALITY UNIT DURING THE FINAL GRADING OF AN INFILTRATION BASIN, THE C 88.50 BOTTOM OF THE BASIN SHALL BE DEEPLY TILLED WITH A ROTARY TILLER OR DISC HARROW AND THEN SMOOTHED OUT WITH A LEVELING DRAW OR EQUIVALENT GRADING EQUIPMENT. ALL PROPOSED TRENCH CT ROUTE 15 ON-RAMP GRADING EQUIPMENT SHALL BE LOCATED OUTSIDE OF THE BASIN PROPOSED CATCH BASIN BOTTOM WHERE FEASIBLE. (WITH SUMP) FOLLOWING CONSTRUCTION OF AN INFILTRATION BASIN, SOIL INFILTRATION TESTING BY A LICENSED GEOTECHNICAL ENGINEER IS REQUIRED TO CERTIFY COMPLIANCE WITH THE DESIGN INFILTRATION RATES IN ACCORDANCE WITH APPENDIX E OF THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION'S BEST MANAGEMENT PRACTICES MANUAL, LATEST EDITION. IF THE FIELD PROPOSED CATCH BASIN INFILTRATION RATES ARE LOWER THAN THE RATE USED DURING (WITH SUMP) DESIGN, THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IN WRITING IMMEDIATELY TO DETERMINE THE APPROPRIATE COURSE OF ACTION. THE CONTRACTOR SHALL NOTIFY THE MUNICIPALITY TO DETERMINE IF WITNESS TESTING IS REQUIRED DURING INFILTRATION BASIN EXCAVATION AND/OR SOIL INFILTRATION TESTING. STORMWATER UNDERGROUND BMP CONSTRUCTION NOTES THE CONTRACTOR SHALL INSTALL AND BACKFILL THE PROPOSED STORMWATER UNDERGROUND BMP IN ACCORDANCE WITH THE MANUFACTURER'S MANHOLE UNDERGROUND BASINS SHALL UTILIZE A STONE BACKFILL WITH A MINIMUM VOID RATIO OF 40%. N. COLONY ROAD NO CONSTRUCTION LOADING OVER UNDERGROUND BASINS IS PERMITTED UNTIL BACKFILL IS COMPLETE PER THE MANUFACTURER'S (AKA C.T. ROUTE 5) SPECIFICATIONS. NO VEHICLES SHALL BE STAGED OR OPERATE FROM (PUBLIC-VARIABLE WIDTH) A FIXED POSITION OVER THE BASIN. GRAPHIC SCALE IN FEET I" = 30'

FTONEFIELD

Agineering & design

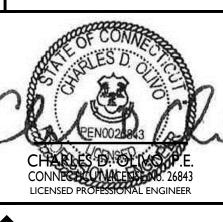
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E STORE ONS

ED CONVENIENCE JELING OPERATIO

PROPOSED
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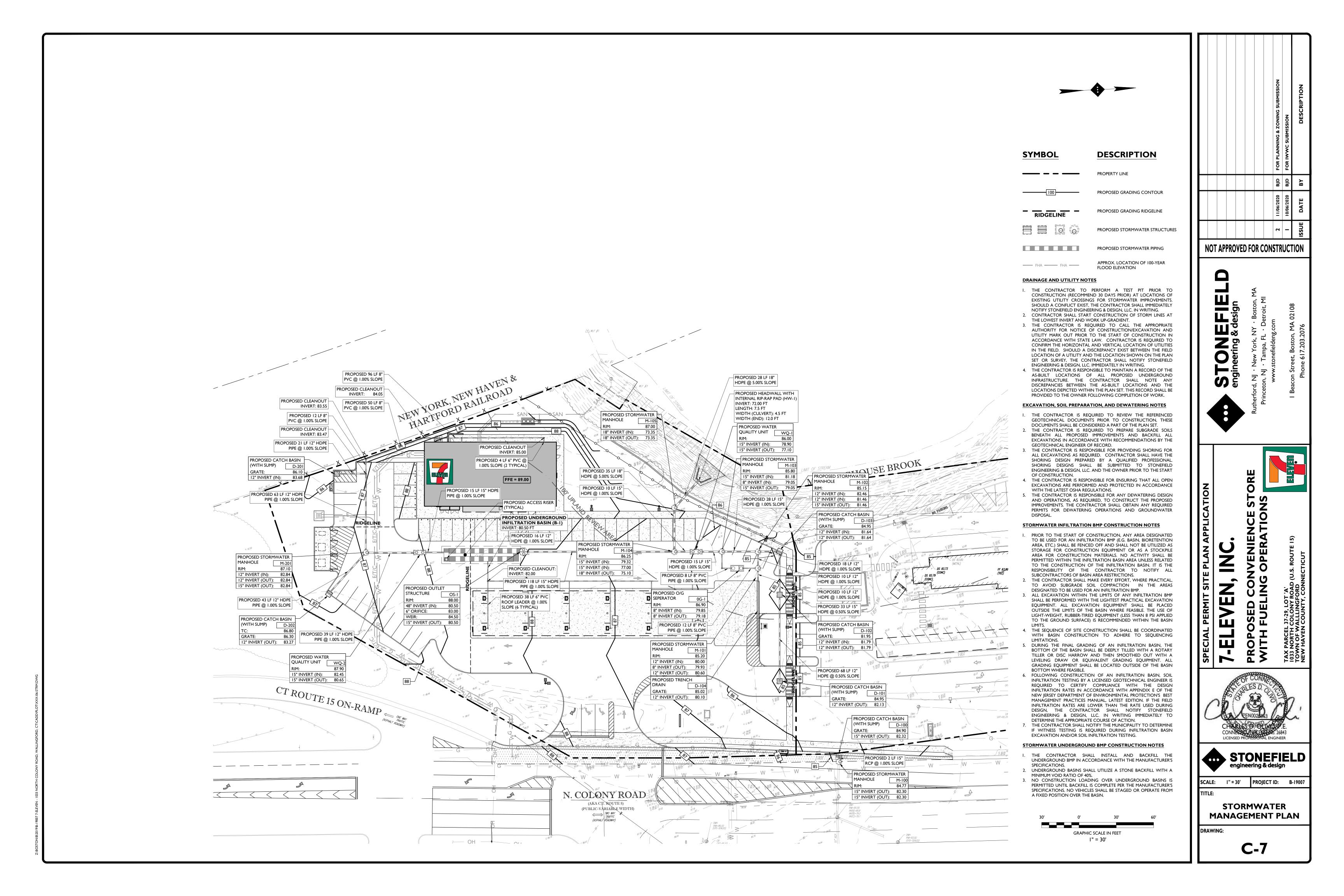


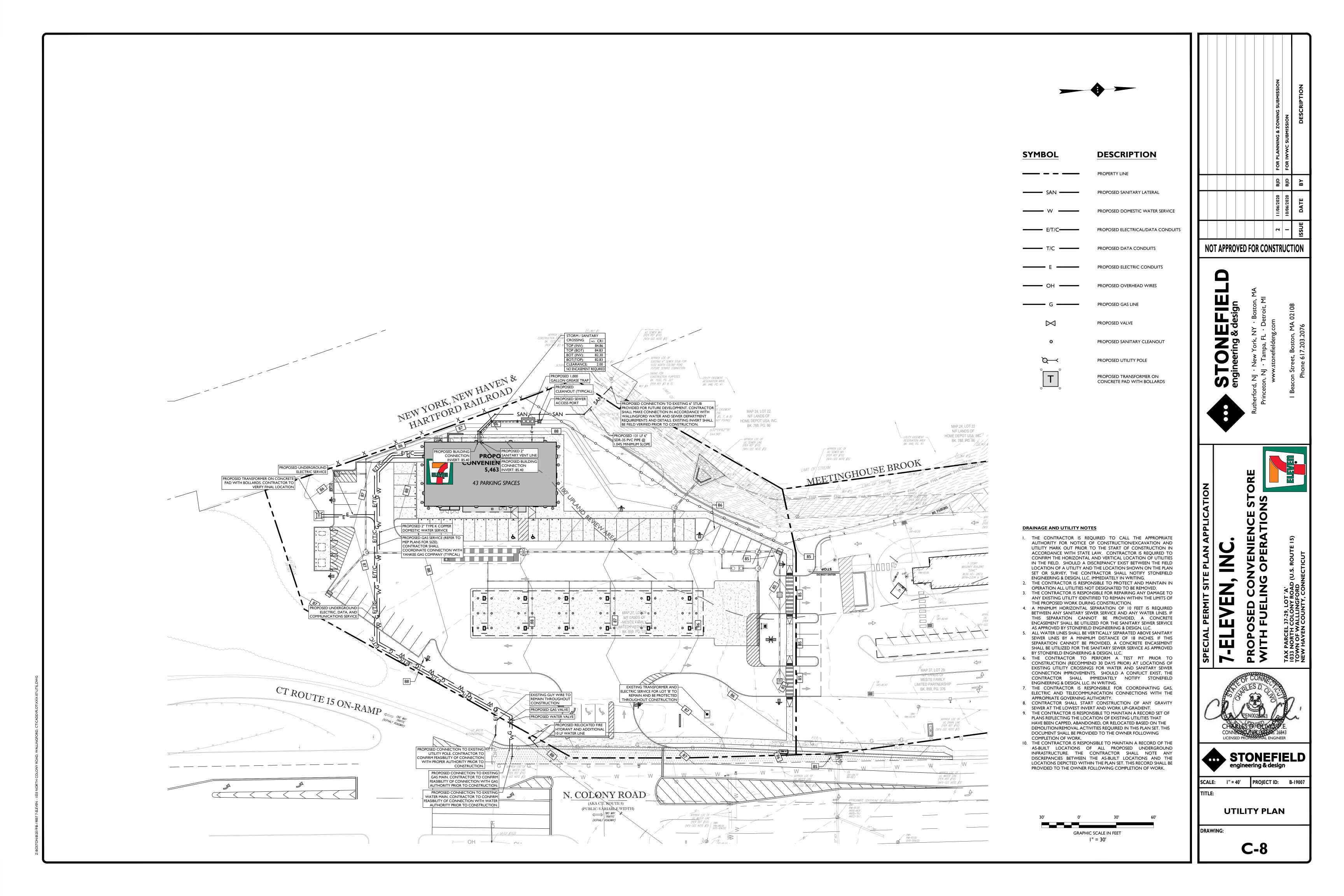


SCALE: I" = 30' PROJECT ID: B-19007
TITLE:

GRADING PLAN

DRAWING:





LIGHTING DESIGN REQUIREMENTS					
CODE SECTION	REQUIRED	PROPOSED			
§ 6.11(G)3.	MOUNTING HEIGHT REQUIREMENT: ANY LIGHTING USED TO ILLUMINATE OFF-STREET PARKING OR LOADING SHALL BE MAXIMUM 25 FT HIGH	25 FT			
§ 6.26 C. I.	PARKING AREA LIGHT FIXTURE REQUIREMENT: FULL CUT-OFF REQUIRED	COMPLIES			
§ 6.26 C. 2.	UPLIGHTING REQUIREMENTS: UPLIGHTING IS PROHIBITED DOWNLIGHTING PERMITTED WITH SHIELDING AND LIGHTING CONTAINED TO TARGET	COMPLIES N/A			
§ 6.26 C. 3.	BUILDING LIGHT FIXTURE REQUIREMENTS: SHALL BE FULL CUT-OFF OR A SHIELDED TYPE	COMPLIES			
§ 6.26 C. 4.	ALL EXTERIOR LIGHTS SHALL BE DESIGNED, LOCATED, INSTALLED, AND DIRECTED IN SUCH A MANNER AS TO PREVENT OBJECTIONABLE LIGHT AT, (AND GLARE ACROSS), THE PROPERTY LINES AND DISABILITY GLARE AT ANY LOCATION ON, OR OFF, THE PROPERTY.	COMPLIES			

	PROPOSED LUMINAIRE SCHEDULE						
SYMBOL	LABEL	QUANTITY	SECURITY LIGHTING	DISTRIBUTION	LLF	MANUFACTURER	IES FILE
	A	8	GE EVOLVE SERIES LED SHIELDED AREA LIGHT (SERIES 3) - 4000K - 116 WATTS	TYPE IV	0.90	GE CURRENT	EALS03_F4AF740 -ELS-EAL-RBL-BLCK
	В	2	GE EVOLVE SERIES LED SHIELDED AREA LIGHT (SERIES 3) - 4000K - 116 WATTS	TYPE IV	0.90	GE CURRENT	EALS03_F4AF740 -ELS-EAL-RBL-BLCK
	С	I	GE EVOLVE SERIES LED SHIELDED AREA LIGHT (SERIES 3) - 4000K - 116 WATTS	TYPE IV	0.90	GE CURRENT	EALS03_F4AF740 -ELS-EAL-RBL-BLCK
	D	36	GE EVOLVE SERIES SCALABLE RECESSED CANOPY LIGHT - 4000K - 101 WATTS	-	0.90	GE CURRENT	ECLP01_D5SM740IES
	E	I	CREE CPY SERIES - VERSION B LED CANOPY / SOFFIT LIGHT - 4000K - 31 WATTS	-	0.90	CREE LIGHTING	CPY250-B-XX-F-C-UL-XX- 40K_CONFIGURED.IES
	F	12	CREE XSPW LED WALL MOUNT LIGHT - 4000K - 34 WATTS	-	0.90	CREE LIGHTING	XPWS3-FT-LED-28-350-NW- UE.IES
9	G	10	DOMUS SERIES LED PENDANT (SMALL) LIGHT - 4000K - 24 WATTS	TYPE IV	0.90	SIGNIFY	DOS-24W16LED4K-T-LE4F.IES



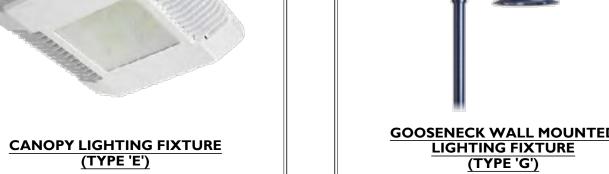


RECESSED CANOPY LIGHTING FIXTURE

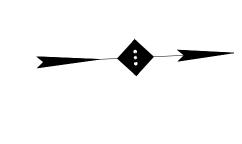
(TYPE 'D')



WALLPACK LIGHTING FIXTURE (TYPE 'F')







SYMBOL DESCRIPTION

A (XX') +X.X

PROPOSED LIGHTING INTENSITY (FOOTCANDLES)

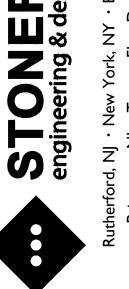
(MOUNTING HEIGHT)

PROPOSED AREA LIGHT

PROPOSED LIGHTING FIXTURE

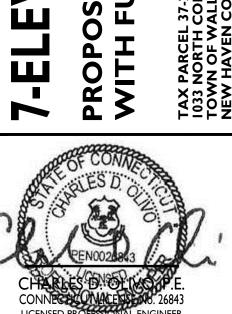
PROPOSED BUILDING MOUNTED LIGHT

NOT APPROVED FOR CONSTRUCTION





PROP WITH





DRAWING:

SCALE: I" = 30' PROJECT ID: B-19007

LIGHTING PLAN

F (11'-12 TYPICAL) **PROPOSED CONVENIENCE STORE** 5,463 SF 43 PARKING SPACES G (II' - I0 TYPICAL) E (II') (AKA C\T. ROUTE 5) 0.1 0.2 (POTELICOYX RIAGE WOIDTH) 0.2 0.1 0.1 0.1 0.1 0.0 0.0 0.0 0.0

ENGINEERING & DESIGN, LLC.

- THE LIGHTING LEVELS DEPICTED WITHIN THE PLAN SET ARE CALCULATED UTILIZING DATA OBTAINED FROM THE LISTED MANUFACTURER. ACTUAL ILLUMINATION LEVELS AND PERFORMANCE OF ANY PROPOSED LIGHTING FIXTURE MAY VARY DUE TO UNCONTROLLABLE VARIABLES SUCH ARE WEATHER, VOLTAGE SUPPLY, LAMP TOLERANCE, EQUIPMENT SERVICE LIFE AND OTHER VARIABLE FIELD CONDITIONS.
- WHERE APPLICABLE, THE EXISTING LIGHT LEVELS DEPICTED WITHIN THE PLAN SET SHALL BE CONSIDERED APPROXIMATE. THE EXISTING LIGHT LEVELS ARE BASED ON FIELD OBSERVATIONS AND THE MANUFACTURER'S DATA OF THE ASSUMED OR MOST SIMILAR LIGHTING FIXTURE MODEL.
- UNLESS NOTED ELSEWHERE WITHIN THIS PLAN SET, THE LIGHT LOSS FACTORS USED IN THE LIGHTING ANALYSIS ARE AS FOLLOWS: LIGHT EMITTING DIODES (LED): 0.90 HIGH PRESSURE SODIUM: ` METAL HALIDE:
- THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IN WRITING, PRIOR TO THE START OF CONSTRUCTION, OF ANY PROPOSED LIGHTING LOCATIONS THAT CONFLICT WITH EXISTING/ PROPOSED DRAINAGE, UTILITY, OR OTHER IMPROVEMENTS. THE CONTRACTOR IS RESPONSIBLE TO PREPARE A WIRING PLAN AND PROVIDE ELECTRIC SERVICE TO ALL PROPOSED LIGHTING FIXTURES. THE CONTRACTOR IS REQUIRED TO PREPARE AN AS-BUILT PLAN OF WIRING AND PROVIDE COPIES TO THE OWNER AND STONEFIELD
- GRAPHIC SCALE IN FEET

I" = 30'

SEDIMENT & EROSION CONTROL NARRATIVE:

THE PROPOSED PROJECT CONSISTS OF CONSTRUCTING AN APPROXIMATELY 5,463 SF PROPOSED CONVENIENCE STORE BUILDING WITH ASSOCIATED GAS PUMPS, UNDERGROUND FUEL STORAGE TANKS. PARKING, DRIVEWAYS, AND UNDERGROUND UTILITIES. THE PROPOSED SUBDIVISION AREA OF THE SITE IS APPROXIMATELY 2.10 AC AND WILL BE DEVELOPED IN A SINGLE PHASE PROJECT. APPROXIMATELY 2.08-ACRES WILL BE DISTURBED DURING CONSTRUCTION.

TO CONTROL SEDIMENT EROSION DURING CONSTRUCTION, THE CONTRACTOR SHALL EMPLOY TECHNIQUES OUTLINED IN CONSTRUCTION SEQUENCE AND EROSION CONTROL NOTES TO ENSURE THAT EROSION DOES NOT OCCUR AND THAT SEDIMENT IS NOT TRANSPORTED OFFSITE, PARTICULAR ATTENTION SHALL BE PROVIDED TO ENSURING EROSION CONTROL MEASURES ARE MAINTAINED IN THE PORTIONS OF DISTURBANCE IN THE REAR OF THE SITE ADJACENT TO THE

THE EARTHWORK IS PLANNED TO START WINTER 2021 AND BE COMPLETED SPRING 2023. THE EROSION AND SEDIMENTATION CONTROLS SHALL BE EMPLOYED BY THE CONTRACTOR DURING THE EARTHWORK AND CONSTRUCTION PHASES OF THE PROJECT IN ACCORDANCE WITH THE CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. REFER TO THE DRAINAGE / STORMWATER MANAGEMENT REPORT FOR MORE INFORMATION.

POST CONSTRUCTION STORM WATER MANAGEMENT:

THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ENSURING THAT STORMWATER MANAGEMENT SYSTEMS BE INSPECTED AND MAINTAINED. THE FOLLOWING PLAN COMPONENTS SHALL BE ADHERED TO:

SOURCE CONTROL: A COMPREHENSIVE SOURCE CONTROL PROGRAM WILL BE IMPLEMENTED AT THE SITE, WHICH INCLUDES REGULAR PAVEMENT SWEEPING AT A MINIMUM OF 2 TIMES PER YEAR, CATCH BASIN CLEANING, AND MAINTENANCE AND CLEARING OF LITTER FROM PARKING AREAS AND PERIMETER LANDSCAPED AREAS. CLEAN ALL CATCH BASINS AND STRUCTURES TWICE ANNUALLY TO REMOVE ACCUMULATED SAND, SEDIMENT, AND FLOATABLE PRODUCTS OR AS NEEDED BASED ON

DEEP SUMP CATCH BASINS: CATCH BASINS AT THE SITE ARE TO BE CONSTRUCTED WITH SUMPS (MINIMUM 4-FEET) TO TRAP DEBRIS AND SEDIMENTS. CATCH BASINS WILL BE CLEANED TWICE PER YEAR.

SNOW SHELF: INSPECT SNOW SHELVES ONCE ANNUALLY. IN THE SPRING. FOR ACCUMULATED SEDIMENT. NECESSARY SEDIMENT REMOVAL, EARTH REPAIR, AND/OR RE-SEEDING WILL BE PERFORMED IMMEDIATELY UPON

HYDRODYNAMIC SEPARATOR WATER QUALITY UNIT: A HYDRODYNAMIC SEPARATOR WATER QUALITY UNIT WILL BE USED TO TREAT STORMWATER BEFORE IT REACHES THE DISCHARGE POINT. THIS ALLOWS SUSPENDED SEDIMENTS TO BE REMOVED AND REDUCES SEDIMENTATION ACCUMULATION. INSPECT THE WATER QUALITY UNIT FOR ACCUMULATED SEDIMENT AND DEBRIS. NECESSARY SEDIMENT AND/OR DEBRIS REMOVAL WILL BE PERFORMED IMMEDIATELY UPON

ALL E&S CONTROL MEASURES WILL BE INSPECTED WEEKLY AND AFTER RAINFALL OF 0.5 INCHES IN 24 HOURS.

EROSION AND SEDIMENTATION CONTROL TECHNIQUES:

THE FOLLOWING EROSION AND SEDIMENTATION CONTROLS SHALL BE EMPLOYED BY THE CONTRACTOR DURING THE EARTHWORK AND CONSTRUCTION PHASES OF THE PROJECT IN ACCORDANCE WITH THE CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT

T FENCING: IN AREAS WHERE HIGH RUNOFF VOLUMES OR HIGH SEDIMENT LOADS ARE EXPECTED, STRAW BALE BARRIERS WILL BE BACKED UP WITH SILT FENCING. THIS SEMI-PERMEABLE BARRIER MADE OF A SYNTHETIC POROUS FABRIC WILL PROVIDE ADDITIONAL PROTECTION. THE SILT FENCES AND STRAW BALE BARRIER WILL BE REPLACED AS DETERMINED BY PERIODIC FIELD INSPECTIONS.

STRAW BALE BARRIERS: STRAW BALE BARRIERS WILL BE PLACED TO TRAP SEDIMENT TRANSPORTED BY RUNOFF BEFORE IT REACHES THE DRAINAGE SYSTEM OR LEAVES THE CONSTRUCTION SITE. BAL WILL BE SET AT LEAST FOUR INCHES INTO THE EXISTING GROUND TO MINIMIZE UNDERCUTTING THE RUNOFF.

CATCH BASIN PROTECTION: NEWLY CONSTRUCTED AND EXISTING CATCH BASINS WILL BE PROTECTED WITH INLET FILTERS THROUGHOUT CONSTRUCTION.

GRAVEL AND CONSTRUCTION ENTRANCE/EXIT: A TEMPORARY CRUSHED-STONE CONSTRUCTION ENTRANCE/EXIT WILL BE CONSTRUCTED. A CROSS SLOPE WILL BE PLACED IN THE ENTRANCE TO DIRECT RUNOFF TO THE SEDIMENT TRAP.

VEGETATIVE SLOPE STABILIZATION: STABILIZATION OF OPEN SOIL SURFACES WILL BE IMPLEMENTED WITHIN 14 DAYS AFTER GRADING OR CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, UNLESS THERE IS SUFFICIENT SNOW COVER TO PROHIBIT IMPLEMENTATION. VEGETATIVE SLOPE STABILIZATION WILL BE USED TO MINIMIZE EROSION ON SLOPES OF 3:1 OR FLATTER. ANNUAL GRASSES, SUCH AS ANNUAL RYE, WILL BE USED TO ENSURE RAPID GERMINATION AND PRODUCTION OF ROOTMASS. PERMANENT STABILIZATION WILL BE COMPLETED WITH THE PLANTING OF PERENNIAL GRASSES OR LEGUMES. ESTABLISHMENT OF TEMPORARY AND PERMANENT VEGETATIVE COVER MAY BE ESTABLISHED BY HYDRO-SEEDING OR SODDING. A SUITABLE TOPSOIL, GOOD SEEDBED PREPARATION, AND ADEQUATE LIME, FERTILIZER, AND WATER WILL BE PROVIDED FOR EFFECTIVE ESTABLISHMENT OF THESE VEGETATIVE STABILIZATION METHODS. MULCH WILL ALSO BE USED AFTER PERMANENT SEEDING TO PROTECT SOIL FROM THE IMPACT OF FALLING RAIN AND TO INCREASE THE CAPACITY OF THE SOIL TO ABSORB WATER.

SLOPE STABILIZATION BLANKET: TEMPORARY STABILIZATION OF OPEN SOIL SURFACES ON SLOPES OF 3:1 OR GREATER SHALL BE STABILIZED USING ENKAMAT OR APPROVED EQUIVALENT.

STOCKPILE MANAGEMENT: SIDESLOPES OF STOCKPILED MATERIAL SHALL BE NO STEEPER THAN 2:1. STOCKPILES NOT USED WITHIN 30 DAYS NEED TO BE SEEDED AND MULCHED IMMEDIATELY AFTER FORMATION OF THE STOCKPILE STRAWBALES AND SILT FENCE ARE TO BE PLACED AROUND THE STOCKPILE AREA APPROXIMATELY 10 FEET FROM THE TOW OF SLOPE.

DUST CONTROL: PERIODICALLY MOISTEN EXPOSED SURFACES ON

UNPAVED TRAVELWAYS TO KEEP THE TRAVELWAY DAMP AND REDUCE

SOIL EROSION AND SEDIMENT CONTROL NOTES:

MAINTAINED ON-SITE BY THE CONTRACTOR.

- I. THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTING
- EACH CONTROL SHOWN ON THE SEDIMENTATION AND EROSION CONTROL PLAN 2. THE SITE CONTRACTOR WILL INSPECT ALL SEDIMENT AND EROSION CONTROL STRUCTURES PERIODICALLY AND AFTER EACH RAINFALL EVENT. RECORDS FOR THE INSPECTIONS WILL BE PREPARED AND
- 3. SILT SHALL BE REMOVED FROM BEHIND BARRIERS IF GREATER THAN 6-INCHES DEEP OR AS NEEDED. 4. DAMAGED OR DETERIORATED ITEMS WILL BE REPAIRED IMMEDIATELY AFTER IDENTIFICATION.
- 5. THE UNDERSIDE OF STRAW BALES SHOULD BE KEPT IN CLOSE CONTACT WITH THE EARTH AND RESET AS NECESSARY. 6. SEDIMENT IS COLLECTED IN STRUCTURES SHALL BE DISPOSED OF
- PROPERLY AND COVERED IF STORED ON-SITE. 7. INSPECT THE TEMPORARY SEDIMENT TRAP AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF A RAINFALL EVENT TO DETERMINE THE CONDITIONS OF THE BASINS DURING CONSTRUCTION. CLEAN OUT SEDIMENT BASINS WHEN ACCUMULATION REACHES 12". SEDIMENT LEVELS SHALL BE MARKED WITHIN THE SEDIMENT STORAGE AREA BY
- STAKES. DO NOT ALLOW ACCUMULATED SEDIMENTS TO FLUSH INTO WETLANDS AREAS 8. EROSION CONTROL STRUCTURES SHALL REMAIN IN PLACE UNTIL ALL DISTURBED EARTH HAS BEEN SECURELY STABILIZED. AFTER REMOVAL OF STRUCTURES, DISTURBED AREAS SHALL BE RE-GRADED AND
- STABILIZED AS SOON AS PRACTICAL. 9. MAINTAIN THE CONSTRUCTION ENTRANCE IN A CONDITION WHICH WILL PREVENT TRACKING AND WASHING OF SEDIMENTS ONTO PAVED

CONSTRUCTION SCHEDULE:

THE ANTICIPATED STARTING DATE FOR CONSTRUCTION OF THE 7-ELEVEN CONVENIENCE STORE WITH FUEL SALES IS WINTER 2021 WITH COMPLETION ANTICIPATED SPRING 2023. ANTICIPATED EROSION CONTROL MEASURES AS DESCRIBED HEREIN, SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF ALL DEMOLITION OR CONSTRUCTION ACTIVITY. SCHEDULE WORK TO MINIMIZE THE LENGTH OF THE TIME THAT THE BARE SOIL WILL BE EXPOSED.

CONTINGENCY EROSION PLAN:

THE CONTRACTOR SHALL INSTALL ALL SPECIFIED EROSION CONTROL MEASURERS AND WILL BE REQUIRED TO MAINTAIN THEM IN THEIR INTENDED FUNCTIONING CONDITION. THE AGENTS OF THE TOWN OF WALLINGFORD AND/OR CIVIL ENGINEER SHALL HAVE THE AUTHORITY TO REQUIRE SUPPLEMENTAL MAINTENANCE OR ADDITIONAL MEASURES IF FIELD CONDITIONS ARE ENCOUNTERED BEYOND WHAT WOULD NORMALLY BE ANTICIPATED.

CLEARING AND GRUBBING OPERATIONS

- I. ALL SEDIMENTATION AND EROSION CONTROL MEASURES, INCLUDING THE CONSTRUCTION OF TEMPORARY SEDIMENTATION BASINS AND STONE CONSTRUCTION ENTRANCE ANTI-TRACKING PADS, WILL BE INSTALLED PRIOR TO THE START OF CLEARING AND GRUBBING AND DEMOLITION OPERATIONS.
- 2. FOLLOWING INSTALLATION OF ALL SEDIMENTATION AND EROSION CONTROL MEASURES, THE CONTRACTOR SHALL NOT PROCEED WITH GRADING. FILLING OR OTHER CONSTRUCTION OPERATIONS UNTIL THE ENGINEER HAS INSPECTED AND APPROVED ALL INSTALLATIONS. 3. THE CONTRACTOR SHALL TAKE EXTREME CARE DURING CLEARING
- AND GRUBBING OPERATIONS SO AS NOT TO DISTURB UNPROTECTED WETLAND AREAS OR SEDIMENTATION AND EROSION CONTROL DEVICES
- 4. FOLLOWING THE COMPLETION OF CLEARING AND GRUBBING OPERATIONS ALL AREAS SHALL BE STABILIZED WITH TOPSOIL AND SEEDING OR PROCESSED AGGREGATE STONE AS SOON AS PRACTICAL.

EROSION AND SEDIMENT CONTROL PLAN:

- I. HAY BALE FILTERS OR SILTATION FENCE WILL BE INSTALLED AT ALL CULVERT OUTLETS IF CULVERT OUTLETS ARE APPLICABLE TO THIS PROJECT AND ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES. 2. CULVERT DISCHARGE AREAS WILL BE PROTECTED WITH RIP RAP
- CHANNELS; ENERGY DISSIPATERS WILL BE INSTALLED AS SHOWN ON THESE PLANS AS NECESSARY. 3. CATCH BASINS WILL BE PROTECTED WITH HAY BALE FILTERS, SILT STACKS, SILTATION FENCE, OR OTHER INLET PROTECTION DEVICES PER DETAILS, THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL
- DISTURBED AREAS ARE THOROUGHLY STABILIZED. 4. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF CONNECTICUT DEP 2004 CONNECTICUT STORMWATER QUALITY
- 5. EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO DEMOLITION AND/OR CONSTRUCTION WHENEVER
- POSSIBLE. 6. ALL CONTROL MEASURES WILL BE MAINTAINED IN EFFECTIVE
- CONDITION THROUGHOUT THE DEMOLITION AND CONSTRUCTION 7. ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING THE
- CONSTRUCTION PERIOD, IE NECESSARY OR REQUIRED OR AS DIRECTED BY THE CIVIL ENGINEER OR BY THE LOCAL GOVERNING OFFICIAL.S.
- 8. SEDIMENT REMOVED FROM EROSION CONTROL STRUCTURES WILL BE DISPOSED IN A MANNER WHICH IS CONSISTENT WITH THE INTENT AND REQUIREMENTS OF THE EROSION CONTROL PLANS, NOTES, AND
- 9. CONTRACTOR IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, OF ANY TRANSFER OF THIS RESPONSIBILITY AND FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.

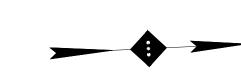
LAND DISTURBANCE CHART								
	LOT A:	LOT B:	TOTAL:					
AREA OF WATERCOURSE ON SITE	873 SF (0.020 AC)	392 SF (0.009 AC)	1,265 SF (0.029 AC)					
AREA OF PROPOSED DISTURBANCE WITHIN WATERCOURSE	68.4 LF (205 SF / 0.005 AC)	0.0 LF (0.0 SF / 0.000 AC)	68.4 LF (205 SF / 0.005 AC)					
AREA OF 100 FT UPLAND REVIEW AREA ON SITE	4,811 SF (0.110 AC)	37,405 SF (0.859 AC)	42,216 SF (0.969 AC)					
AREA OF PROPOSED DISTURBANCE WITHIN 100 FT UPLAND REVIEW AREA	18,535 SF (0.426 AC)	1,290 SF (0.030 AC)	19,825 SF (0.456 AC)					
AREA OF EXISTING IMPROVEMENTS WITHIN UPLAND REVIEW AREA	15,828 SF (0.363 AC)	21,575 SF (0.495 AC)	37,403 SF (0.859 AC)					
AREA OF PROPOSED IMPROVEMENTS WITHIN UPLAND REVIEW AREA	10,796 SF (0.248 AC)	808 SF (0.019 AC)	11,604 SF (0.267 AC)					

SOIL CHARACTERISTICS CHART							
TYPE OF SOIL	UDORTHENTS-URBAN LAND COMPLEX	UDORTHENTS, SMOOTHED					
PERCENT OF SITE COVERAGE	92.4%	7.6%					
HYDROLOGIC SOIL GROUP	В	С					
DEPTH TO RESTRICTIVE LAYER	> 80 INCHES	> 80 INCHES					
SOIL PERMEABILITY	0.00 TO 1.98 IN / HR	0.00 TO 1.98 IN / HR					
DEPTH TO WATER TABLE	ABOUT 54 TO 72 INCHES	ABOUT 24 TO 54 INCHES					

THIS PLAN PROVIDES GENERAL GUIDANCE FOR THE CONSTRUCTION ACTIVITIES THAT MAY OCCUR. THE CONTRACTOR IS FULLY RESPONSIBLE TO PROVIDE AND MAINTAIN PROPER EROSION AND

SEDIMENT CONTROL MEASURES THROUGHOUT CONSTRUCTION, PER THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. THE TOWN MUNICIPAL REPRESENTATIVE

RESERVES THE RIGHT TO MODIFY OR REQUIRE ADDITIONAL EROSION CONTROL MEASURES THROUGHOUT CONSTRUCTION. DO NOT ALLOW SILT/SEDIMENT TO ENTER THE WETLANDS OR WATERCOURSE.



SYMBOL	DESCRIPTION
	PROPERTY BOUNDARY
	ADJACENT PROPERTY BOUNDARY
LOD —	PROPOSED LIMIT OF DISTURBANCE
——— SF ———	PROPOSED SILT FENCE
——— TPF ———	PROPOSED TREE PROTECTION FENCE
	PROPOSED STOCKPILE & EQUIPMENT STORAGE
	PROPOSED STABILIZED CONSTRUCTION ENTRANCE



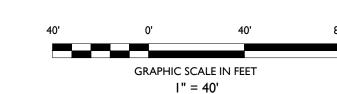
THE SITE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT ROADS/HIGHWAYS AND THEIR DRAINAGE SYSTEM, NEIGHBORING PROPERTIES, AND REGULATORY PROTECTED AREAS, WHETHER SUCH SEDIMENTATION IS CAUSED BY WATER, WIND, OR DIRECT DEPOSIT, PRIOR TO CONSTRUCTION, THE APPLICANT SHALL PROVIDE THE MUNICIPALITY WITH THE NAME OF THE CONTACT AND 24-HOUR CONTACT INFORMATION. CONTRACTOR SHALL ADHERE TO 2002 CONNECTICUT GUIDELINES

PROPOSED EROSION CONTROL BLANKET

PROPOSED INLET PROTECTION FILTER

- FOR FROSION AND SEDIMENT CONTROL FLAG THE LIMITS OF CONSTRUCTION NECESSARY TO FACILITATE THE PRE-CONSTRUCTION MEETING. HOLD PRE-CONSTRUCTION MEETING (REMEMBER TO CALL BEFORE
- YOU DIG 1-800-922-4455) NOTIFY THE LOCAL MUNICIPALITY AGENT, ZONING ENFORCEMENT OFFICER, AND ENGINEERING DEPARTMENT 48 HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVIT CONSTRUCT STONE ANTI-TRACKING PADS AT CONSTRUCTION ENTRANCES/EXITS AND WRAP FILTER FABRIC AROUND GRATES FO CATCH BASINS OR INSTALL SILT SACKS ON CATCH BASIN INLETS ON/OFF SITE ROADS. INSTALL SILT FENCE AND OTHER EROSION CONTROL DEVICES INDICATED ON THESE PLANS AT THE PERIMETER OF PROPOSED SITE DISTURBANCE AND INSTALL ALL EROSION CONTROL MEASURES AND TREE PROTECTION INDICATED ON THESE PLANS. INSTALL SEDIMENT BASINS AND SEDIMENT TRAPS IF REQUIRED AT LOW AREAS OF SITE OR AS ORDERED BY THE
- ENGINEER OR AS SHOWN ON THESE PLANS. REMOVE TREES AND STUMPS CALLED OUT ON DEMOLITION PLAN TO BE REMOVED. REMOVE VEGETATION TO LIMIT OF DISTURBANCE LINE. STOCKPILE CHIPS. STOCKPILE TOPSOIL. INSTALL EROSION CONTROL AT STOCKPILES.
- PAVEMENT REMOVAL. INSTALL SILT FENCE, CONSTRUCT DIVERSION SWALES. AND SEDIMENT TRAPS, COMMENCE INSTALLATION OF STORM DRAINAGE
- COMMENCE EARTHWORK, INSTALL ADDITIONAL EROSION CONTROLS AS WORK PROGRESSES AND CONTINUE STORM DRAINAGE SYSTEM CONSTRUCTION, TOPSOIL AND SEED SLOPES
- WHICH HAVE ACHIEVED FINAL SITE GRADING CONSTRUCTION STAKING OF ALL BUILDING CORNERS, UTILITIES ACCESS DRIVES, AND PARKING AREAS.
- ROUGH GRADING AND FILLING OF SUBGRADES AND SLOPES. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT
- POLLUTION. BEFORE DISPOSING OF SOIL OR RECEIVING BORROW FOR THE SITE THE CONTRACTOR MUST PROVIDE EVIDENCE THAT EACH SPOIL OR BORROW HAS AN EROSION AND SEDIMENT CONTROL PLAN APPROVED BY THE TOWN OF WALLINGFORD INLAND WETLAND COMMISSION AND WHICH IS BEING IMPLEMENTED AND MAINTAINED. THE CONTRACTOR SHALL ALSO NOTIFY THE TOWN OF WALLINGFORD INLAND WETLAND COMMISSION IN WRITING OF ALL RECEIVING SPOIL AND BORROW AREAS WHEN THEY HAVE BEEN
- COMPLETE DEMOLITION AND CLEARING AND GRUBBING. CONSTRUCT BUILDING AND UNDERGROUND UTILITIES. INSTALL INLET FILTERS IN ALL CATCH BASINS.
- THROUGHOUT CONSTRUCTION SEQUENCE, REMOVE SEDIMENT FROM BEHIND SILT FENCES, HAY BALES AND OTHER EROSION CONTROL DEVICES, AND FROM SEDIMENTATION BASINS AND SEDIMENT TRAPS AS REQUIRED. REMOVAL SHALL BE ON A PERIODIC BASIS (EVERY SIGNIFICANT RAINFALL OF 0.25 INCH OR GREATER). INSPECTION OF EROSION CONTROL MEASURES SHALL BE ON A WEEKLY BASIS AND AFTER EACH RAINFALL OF 0.25 INCHES OR GREATER. SEDIMENT COLLECTED SHALL BE DEPOSITED AND SPREAD EVENLY UPLAND AND ON SLOPES DURING CONSTRUCTION.
- INSTALL PAVEMENT BASE & FIRST COURSE OF BITUMINOUS CONCRETE INSTALL LANDSCAPING & LOAM AND SEED ALL DISTURBED AREAS. AFTER SITE IS STABILIZED AND APPROVED BY THE LOCAL MUNICIPALITY, ENGINEER, OR OWNER'S REPRESENTATIVE, REMOVE
- TEMPORARY SOIL EROSION AND SEDIMENT CONTROLS. WHEN ALL OTHER WORK HAS BEEN COMPLETED, REPAIR AND SWEEP ALL PAVED AREAS FOR THE FINAL COURSE OF PAVING. INSPECT THE DRAINAGE SYSTEM AND CLEAN AS NECESSARY.

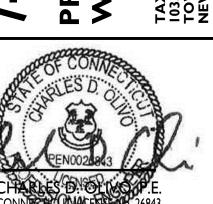
INSTALL FINAL COURSE OF PAVEMENT.



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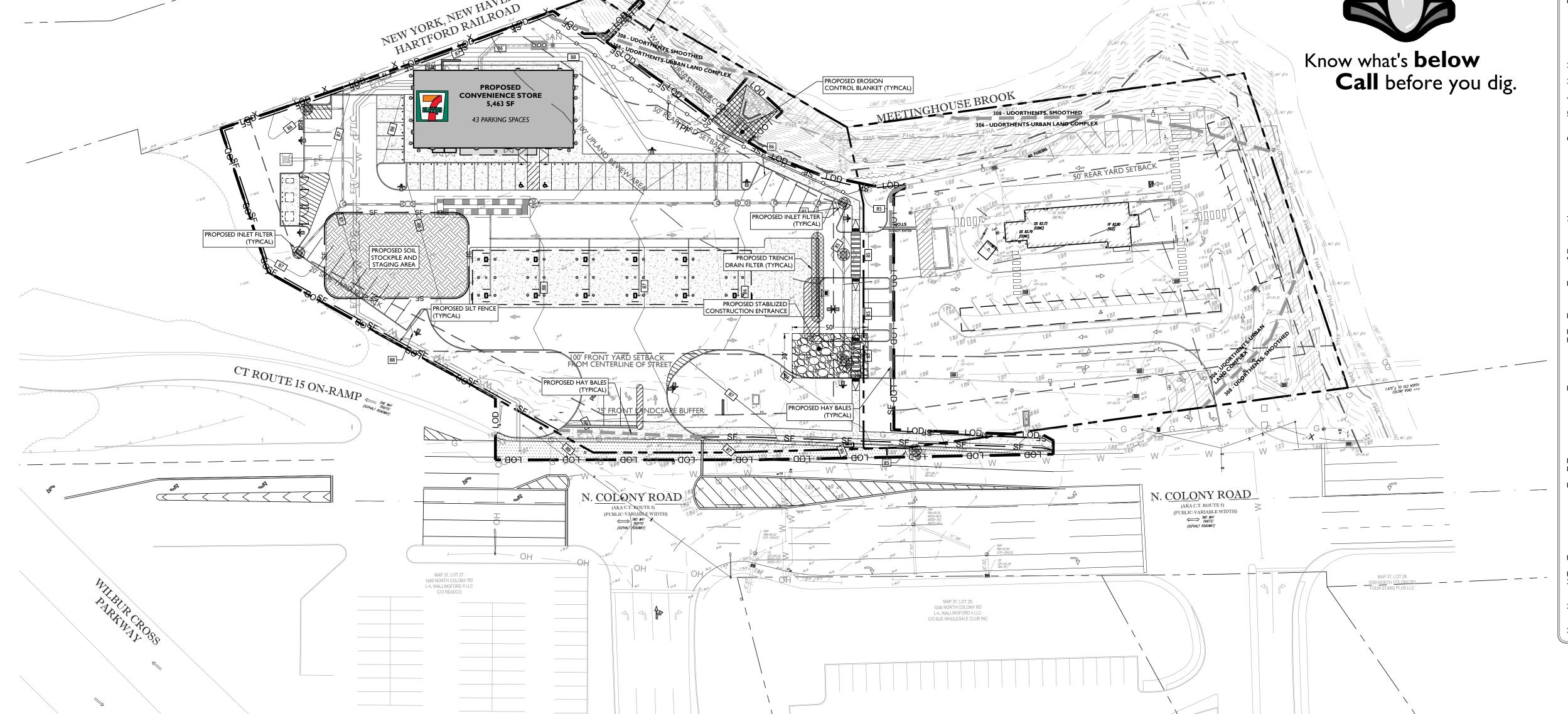


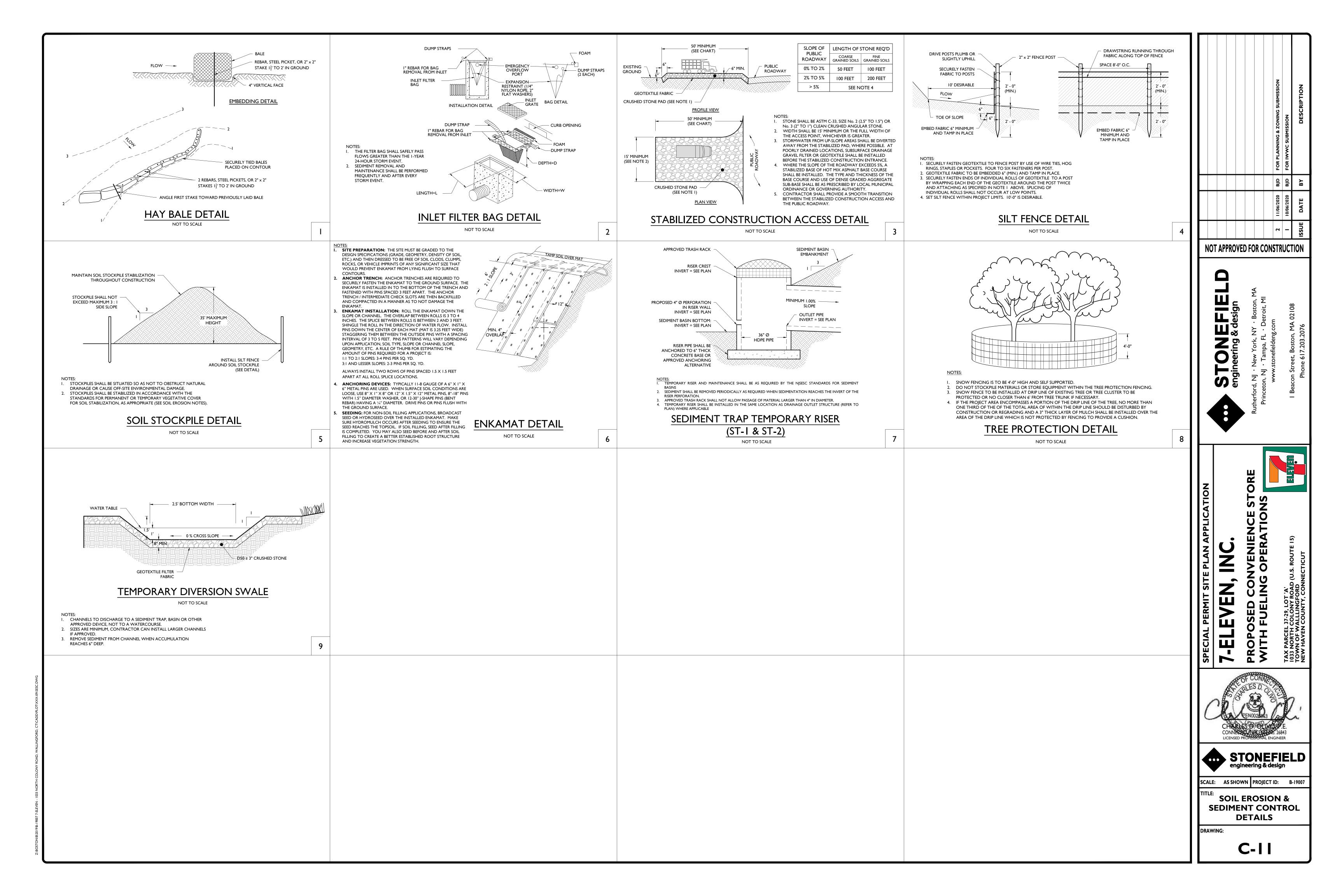
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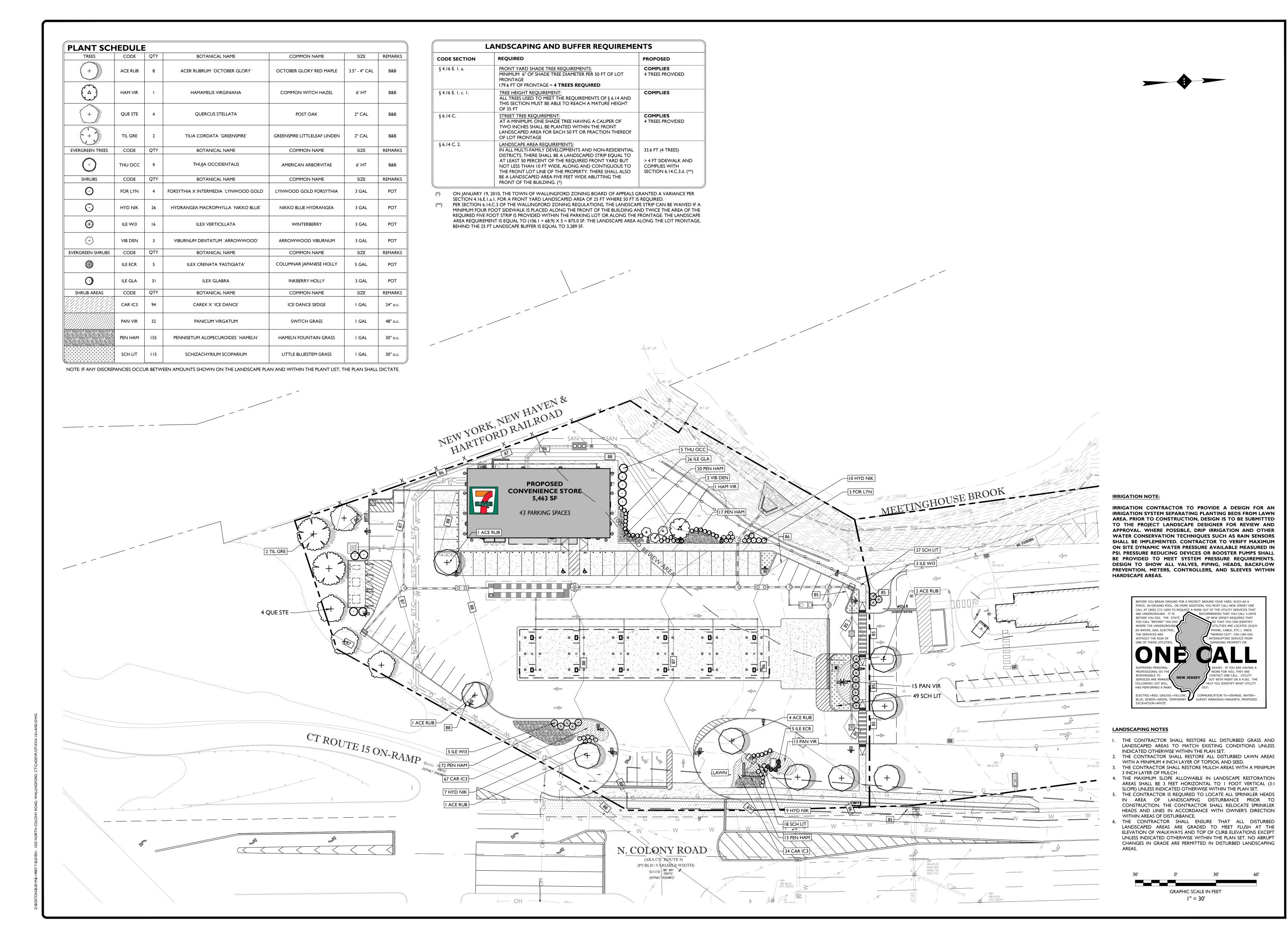
SEDIMENT CONTROL PLAN

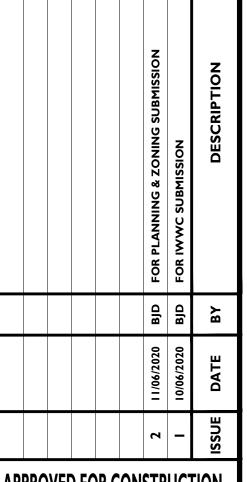
SOIL EROSION &

DRAWING:









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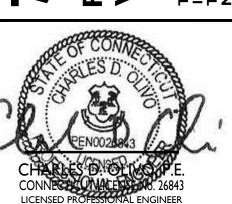


STORE

EIN, INC.

ELING OPERATION

WITH FUELII



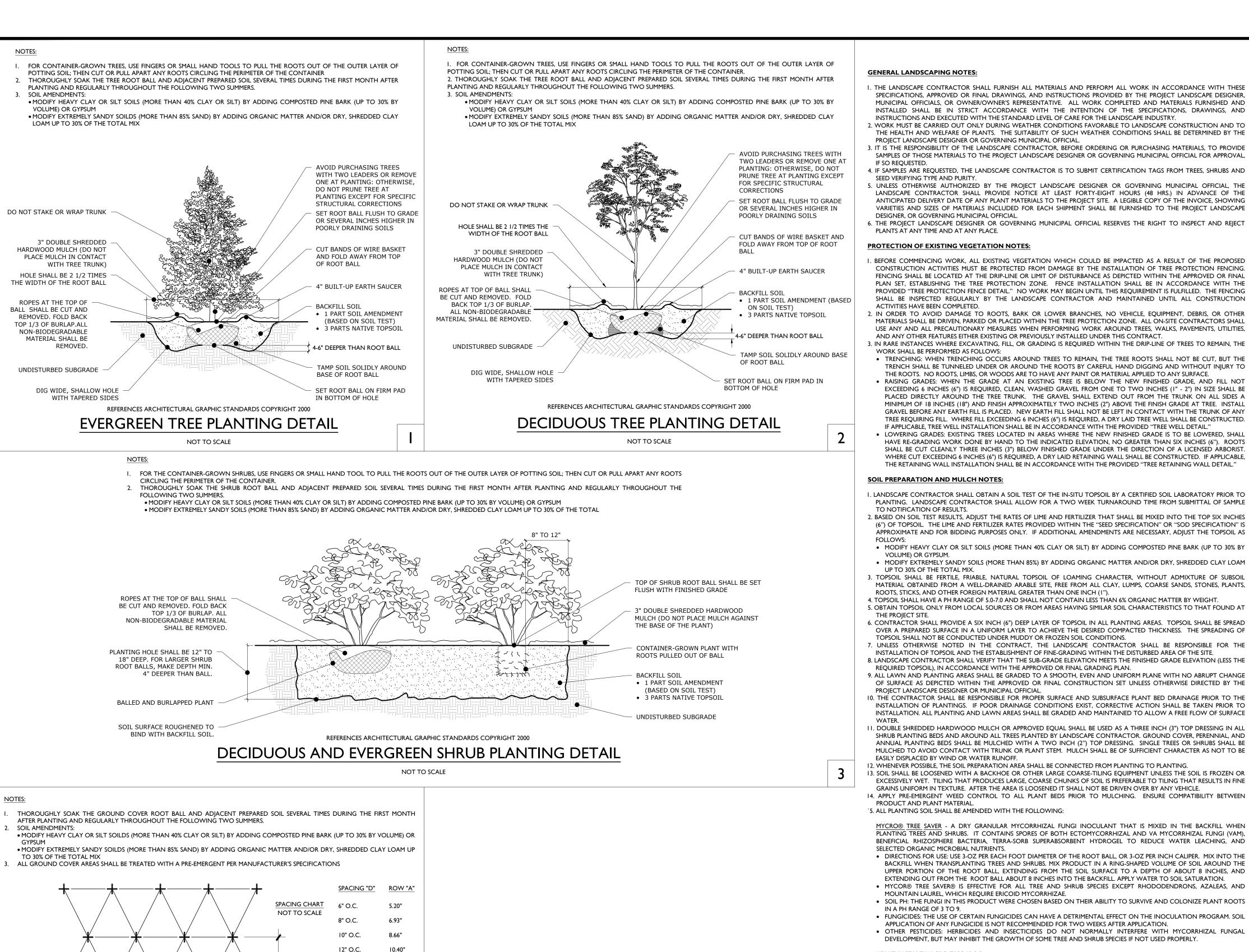


LE: I" = 30' PR

I" = 30' PROJECT ID: B-19007

LANDSCAPING PLAN

DRAWING:



13.00

20.80

30.00

2" DOUBLE

SHREDDED

PLANT) GENTLY PULL ROOTS AWAY FROM TOPSOIL MASS WITH

 1 PART SOIL AMENDMENT (BASED ON SOIL TEST)

3 PARTS NATIVE TOPSOIL

FINGERS

BACKFILL SOIL

HARDWOOD MULCH (DO NOT PLACE MULCH AGAINST THE BASE OF THE

PLANTED ON CENTER (SEE SPACING CHART

GROUND COVER/PERENNIAL/ANNUAL

PLANTING DETAIL

NOT TO SCALE

GENERAL LANDSCAPING NOTES

- SPECIFICATIONS, APPROVED OR FINAL DRAWINGS, AND INSTRUCTIONS PROVIDED BY THE PROJECT LANDSCAPE DESIGNER, MUNICIPAL OFFICIALS, OR OWNER/OWNER'S REPRESENTATIVE. ALL WORK COMPLETED AND MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH THE INTENTION OF THE SPECIFICATIONS, DRAWINGS, AND
- INSTRUCTIONS AND EXECUTED WITH THE STANDARD LEVEL OF CARE FOR THE LANDSCAPE INDUSTRY. . WORK MUST BE CARRIED OUT ONLY DURING WEATHER CONDITIONS FAVORABLE TO LANDSCAPE CONSTRUCTION AND TO THE HEALTH AND WELFARE OF PLANTS. THE SUITABILITY OF SUCH WEATHER CONDITIONS SHALL BE DETERMINED BY THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL.
- 3. IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR, BEFORE ORDERING OR PURCHASING MATERIALS, TO PROVIDE SAMPLES OF THOSE MATERIALS TO THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL FOR APPROVAL,
- 4. IF SAMPLES ARE REQUESTED, THE LANDSCAPE CONTRACTOR IS TO SUBMIT CERTIFICATION TAGS FROM TREES, SHRUBS AND
- SEED VERIFYING TYPE AND PURITY. 5. UNLESS OTHERWISE AUTHORIZED BY THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL, THE LANDSCAPE CONTRACTOR SHALL PROVIDE NOTICE AT LEAST FORTY-EIGHT HOURS (48 HRS.) IN ADVANCE OF THE ANTICIPATED DELIVERY DATE OF ANY PLANT MATERIALS TO THE PROJECT SITE. A LEGIBLE COPY OF THE INVOICE, SHOWING
- VARIETIES AND SIZES OF MATERIALS INCLUDED FOR EACH SHIPMENT SHALL BE FURNISHED TO THE PROJECT LANDSCAPE DESIGNER, OR GOVERNING MUNICIPAL OFFICIAL 6. THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL RESERVES THE RIGHT TO INSPECT AND REJECT PLANTS AT ANY TIME AND AT ANY PLACE.

PROTECTION OF EXISTING VEGETATION NOTES

- . BEFORE COMMENCING WORK, ALL EXISTING VEGETATION WHICH COULD BE IMPACTED AS A RESULT OF THE PROPOSED CONSTRUCTION ACTIVITIES MUST BE PROTECTED FROM DAMAGE BY THE INSTALLATION OF TREE PROTECTION FENCING. FENCING SHALL BE LOCATED AT THE DRIP-LINE OR LIMIT OF DISTURBANCE AS DEPICTED WITHIN THE APPROVED OR FINAL PLAN SET, ESTABLISHING THE TREE PROTECTION ZONE. FENCE INSTALLATION SHALL BE IN ACCORDANCE WITH THE PROVIDED "TREE PROTECTION FENCE DETAIL." NO WORK MAY BEGIN UNTIL THIS REQUIREMENT IS FULFILLED. THE FENCING SHALL BE INSPECTED REGULARLY BY THE LANDSCAPE CONTRACTOR AND MAINTAINED UNTIL ALL CONSTRUCTION
- 2. IN ORDER TO AVOID DAMAGE TO ROOTS, BARK OR LOWER BRANCHES, NO VEHICLE, EQUIPMENT, DEBRIS, OR OTHER MATERIALS SHALL BE DRIVEN, PARKED OR PLACED WITHIN THE TREE PROTECTION ZONE. ALL ON-SITE CONTRACTORS SHALL USE ANY AND ALL PRECAUTIONARY MEASURES WHEN PERFORMING WORK AROUND TREES, WALKS, PAVEMENTS, UTILITIES, AND ANY OTHER FEATURES EITHER EXISTING OR PREVIOUSLY INSTALLED UNDER THIS CONTRACT. 3. IN RARE INSTANCES WHERE EXCAVATING, FILL, OR GRADING IS REQUIRED WITHIN THE DRIP-LINE OF TREES TO REMAIN, THE
- WORK SHALL BE PERFORMED AS FOLLOWS: • TRENCHING: WHEN TRENCHING OCCURS AROUND TREES TO REMAIN, THE TREE ROOTS SHALL NOT BE CUT, BUT THE TRENCH SHALL BE TUNNELED UNDER OR AROUND THE ROOTS BY CAREFUL HAND DIGGING AND WITHOUT INJURY TO
- THE ROOTS. NO ROOTS, LIMBS, OR WOODS ARE TO HAVE ANY PAINT OR MATERIAL APPLIED TO ANY SURFACE. RAISING GRADES: WHEN THE GRADE AT AN EXISTING TREE IS BELOW THE NEW FINISHED GRADE, AND FILL NOT EXCEEDING 6 INCHES (6") IS REQUIRED, CLEAN, WASHED GRAVEL FROM ONE TO TWO INCHES (1" - 2") IN SIZE SHALL BE PLACED DIRECTLY AROUND THE TREE TRUNK. THE GRAVEL SHALL EXTEND OUT FROM THE TRUNK ON ALL SIDES A MINIMUM OF 18 INCHES (18") AND FINISH APPROXIMATELY TWO INCHES (2") ABOVE THE FINISH GRADE AT TREE. INSTALL GRAVEL BEFORE ANY EARTH FILL IS PLACED. NEW EARTH FILL SHALL NOT BE LEFT IN CONTACT WITH THE TRUNK OF ANY TREE REQUIRING FILL. WHERE FILL EXCEEDING 6 INCHES (6") IS REQUIRED, A DRY LAID TREE WELL SHALL BE CONSTRUCTED.
- LOWERING GRADES: EXISTING TREES LOCATED IN AREAS WHERE THE NEW FINISHED GRADE IS TO BE LOWERED, SHALL HAVE RE-GRADING WORK DONE BY HAND TO THE INDICATED ELEVATION, NO GREATER THAN SIX INCHES (6"). ROOTS SHALL BE CUT CLEANLY THREE INCHES (3") BELOW FINISHED GRADE UNDER THE DIRECTION OF A LICENSED ARBORIST WHERE CUT EXCEEDING 6 INCHES (6") IS REQUIRED, A DRY LAID RETAINING WALL SHALL BE CONSTRUCTED. IF APPLICABLE, THE RETAINING WALL INSTALLATION SHALL BE IN ACCORDANCE WITH THE PROVIDED "TREE RETAINING WALL DETAIL."

IF APPLICABLE, TREE WELL INSTALLATION SHALL BE IN ACCORDANCE WITH THE PROVIDED "TREE WELL DETAIL."

SOIL PREPARATION AND MULCH NOTES:

- I. LANDSCAPE CONTRACTOR SHALL OBTAIN A SOIL TEST OF THE IN-SITU TOPSOIL BY A CERTIFIED SOIL LABORATORY PRIOR TO PLANTING. LANDSCAPE CONTRACTOR SHALL ALLOW FOR A TWO WEEK TURNAROUND TIME FROM SUBMITTAL OF SAMPLE TO NOTIFICATION OF RESULTS
- (6") OF TOPSOIL. THE LIME AND FERTILIZER RATES PROVIDED WITHIN THE "SEED SPECIFICATION" OR "SOD SPECIFICATION" IS APPROXIMATE AND FOR BIDDING PURPOSES ONLY. IF ADDITIONAL AMENDMENTS ARE NECESSARY, ADJUST THE TOPSOIL AS
- MODIFY HEAVY CLAY OR SILT SOILS (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) OR GYPSUM
- MODIFY EXTREMELY SANDY SOILS (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX. . TOPSOIL SHALL BE FERTILE, FRIABLE, NATURAL TOPSOIL OF LOAMING CHARACTER, WITHOUT ADMIXTURE OF SUBSOIL
- MATERIAL OBTAINED FROM A WELL-DRAINED ARABLE SITE, FREE FROM ALL CLAY, LUMPS, COARSE SANDS, STONES, PLANTS, ROOTS, STICKS, AND OTHER FOREIGN MATERIAL GREATER THAN ONE INCH (1")
- 4. TOPSOIL SHALL HAVE A PH RANGE OF 5.0-7.0 AND SHALL NOT CONTAIN LESS THAN 6% ORGANIC MATTER BY WEIGHT 5. OBTAIN TOPSOIL ONLY FROM LOCAL SOURCES OR FROM AREAS HAVING SIMILAR SOIL CHARACTERISTICS TO THAT FOUND AT THE PROIECT SITE
- 6. CONTRACTOR SHALL PROVIDE A SIX INCH (6") DEEP LAYER OF TOPSOIL IN ALL PLANTING AREAS. TOPSOIL SHALL BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO ACHIEVE THE DESIRED COMPACTED THICKNESS. THE SPREADING OF TOPSOIL SHALL NOT BE CONDUCTED UNDER MUDDY OR FROZEN SOIL CONDITIONS.
- . UNLESS OTHERWISE NOTED IN THE CONTRACT, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE ESTABLISHMENT OF FINE-GRADING WITHIN THE DISTURBED AREA OF THE SITE. LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE SUB-GRADE ELEVATION MEETS THE FINISHED GRADE ELEVATION (LESS
- REQUIRED TOPSOIL), IN ACCORDANCE WITH THE APPROVED OR FINAL GRADING PLAN. 9. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED WITHIN THE APPROVED OR FINAL CONSTRUCTION SET UNLESS OTHERWISE DIRECTED BY THE
- PROIECT LANDSCAPE DESIGNER OR MUNICIPAL OFFICIAL 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER SURFACE AND SUBSURFACE PLANT BED DRAINAGE PRIOR TO THE INSTALLATION OF PLANTINGS. IF POOR DRAINAGE CONDITIONS EXIST, CORRECTIVE ACTION SHALL BE TAKEN PRIOR TO INSTALLATION. ALL PLANTING AND LAWN AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW A FREE FLOW OF SURFACE
- II. DOUBLE SHREDDED HARDWOOD MULCH OR APPROVED EQUAL SHALL BE USED AS A THREE INCH (3") TOP DRESSING IN ALL SHRUB PLANTING BEDS AND AROUND ALL TREES PLANTED BY LANDSCAPE CONTRACTOR, GROUND COVER, PERENNIAL, AND ANNUAL PLANTING BEDS SHALL BE MULCHED WITH A TWO INCH (2") TOP DRESSING. SINGLE TREES OR SHRUBS SHALL BE
- MULCHED TO AVOID CONTACT WITH TRUNK OR PLANT STEM. MULCH SHALL BE OF SUFFICIENT CHARACTER AS NOT TO BE EASILY DISPLACED BY WIND OR WATER RUNOFF WHENEVER POSSIBLE, THE SOIL PREPARATION AREA SHALL BE CONNECTED FROM PLANTING TO PLANTING. 13. SOIL SHALL BE LOOSENED WITH A BACKHOE OR OTHER LARGE COARSE-TILING EQUIPMENT UNLESS THE SOIL IS FROZEN OR EXCESSIVELY WET. TILING THAT PRODUCES LARGE, COARSE CHUNKS OF SOIL IS PREFERABLE TO TILING THAT RESULTS IN FINE
- GRAINS UNIFORM IN TEXTURE. AFTER THE AREA IS LOOSENED IT SHALL NOT BE DRIVEN OVER BY ANY VEHICLE. 14. APPLY PRE-EMERGENT WEED CONTROL TO ALL PLANT BEDS PRIOR TO MULCHING. ENSURE COMPATIBILITY BETWEEN PRODUCT AND PLANT MATERIAL

`5. ALL PLANTING SOIL SHALL BE AMENDED WITH THE FOLLOWING:

- MYCRO® TREE SAVER A DRY GRANULAR MYCORRHIZAL FUNGI INOCULANT THAT IS MIXED IN THE BACKFILL WHEN PLANTING TREES AND SHRUBS. IT CONTAINS SPORES OF BOTH ECTOMYCORRHIZAL AND VA MYCORRHIZAL FUNGI (VAM), BENEFICIAL RHIZOSPHERE BACTERIA, TERRA-SORB SUPERABSORBENT HYDROGEL TO REDUCE WATER LEACHING, AND
- SELECTED ORGANIC MICROBIAL NUTRIENTS • DIRECTIONS FOR USE: USE 3-OZ PER EACH FOOT DIAMETER OF THE ROOT BALL, OR 3-OZ PER INCH CALIPER. MIX INTO THE BACKFILL WHEN TRANSPLANTING TREES AND SHRUBS. MIX PRODUCT IN A RING-SHAPED VOLUME OF SOIL AROUND THE UPPER PORTION OF THE ROOT BALL, EXTENDING FROM THE SOIL SURFACE TO A DEPTH OF ABOUT 8 INCHES, AND EXTENDING OUT FROM THE ROOT BALL ABOUT 8 INCHES INTO THE BACKFILL. APPLY WATER TO SOIL SATURATION. MYCOR® TREE SAVER® IS EFFECTIVE FOR ALL TREE AND SHRUB SPECIES EXCEPT RHODODENDRONS, AZALEAS, AND
- MOUNTAIN LAUREL. WHICH REQUIRE ERICOID MYCORRHIZAE. • SOIL PH: THE FUNGI IN THIS PRODUCT WERE CHOSEN BASED ON THEIR ABILITY TO SURVIVE AND COLONIZE PLANT ROOTS IN A PH RANGE OF 3 TO 9.
- FUNGICIDES: THE USE OF CERTAIN FUNGICIDES CAN HAVE A DETRIMENTAL EFFECT ON THE INOCULATION PROGRAM. SOIL APPLICATION OF ANY FUNGICIDE IS NOT RECOMMENDED FOR TWO WEEKS AFTER APPLICATION. OTHER PESTICIDES: HERBICIDES AND INSECTICIDES DO NOT NORMALLY INTERFERE WITH MYCORRHIZAL FUNGAL
- DEVELOPMENT, BUT MAY INHIBIT THE GROWTH OF SOME TREE AND SHRUB SPECIES IF NOT USED PROPERLY.

• FERTILIZER TABLETS ARE PLACED IN THE UPPER 4 INCHES OF BACKFILL SOIL WHEN PLANTING TREES AND SHRUBS. • TABLETS ARE FORMULATED FOR LONG-TERM RELEASE BY SLOW BIODEGRADATION, AND LAST UP TO 2 YEARS AFTER PLANTING. TABLETS CONTAIN 12-8-8 NPK FERTILIZER, AS WELL AS A MINIMUM OF SEVEN PERCENT (7%) HUMIC ACID BY WEIGHT, MICROBIAL NUTRIENTS DERIVED FROM SEA KELP, PROTEIN BYPRODUCTS, AND YUCCA SCHIDIGERA, AND A COMPLEMENT OF BENEFICIAL RHIZOSPHERE BACTERIA. THE STANDARD 21 GRAM TABLET IS SPECIFIED HERE. DIRECTIONS FOR USE: FOR PLANTING BALLED & BURLAPPED (B&B) TREES AND SHRUBS, MEASURE THE THICKNESS OF THE TRUNK, AND USE ABOUT I TABLET (21-G) PER HALF-INCH. PLACE THE TABLETS DIRECTLY NEXT TO THE ROOT BALL, EVENLY DISTRIBUTED 3. REFERENCE LANDSCAPE PLAN FOR AREAS TO BE SEEDED OR LAID WITH SOD. AROUND ITS PERIMETER, AT A DEPTH OF ABOUT 4 INCHES.

PLANT QUALITY AND HANDLING NOTES

- I. THE LANDSCAPE CONTRACTOR SHALL FURNISH ALL MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH THESE I. ALL PLANT MATERIAL SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2004) OR LATEST REVISION AS PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION. 2. IN ALL CASES, BOTANICAL NAMES LISTED WITHIN THE APPROVED OR FINAL PLANT LIST SHALL TAKE PRECEDENCE OVER
 - COMMON NAMES. 3. ALL PLANTS SHALL BE OF SELECTED SPECIMEN QUALITY, EXCEPTIONALLY HEAVY, TIGHTLY KNIT, SO TRAINED OR FAVORED IN
 - THEIR DEVELOPMENT AND APPEARANCE AS TO BE SUPERIOR IN FORM, NUMBER OF BRANCHES, COMPACTNESS AND SYMMETRY. ALL PLANTS SHALL HAVE A NORMAL HABIT OR SOUND. HEALTHY, VIGOROUS PLANTS WITH WELL DEVELOPED ROOT SYSTEM. PLANTS SHALL BE FREE OF DISEASE, INSECT PESTS, EGGS OR LARVAE.
 - 4. PLANTS SHALL NOT BE PRUNED BEFORE DELIVERY. TREES WITH ABRASION OF THE BARK, SUNSCALDS, DISFIGURING KNOTS OR FRESH CUTS OF LIMBS OVER ONE AND ONE-FOURTH INCHES (I-I/4") WHICH HAVE NOT COMPLETELY CALLOUSED SHALL BE
 - 5. ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH AND BE LEGIBLY TAGGED WITH THE PROPER NAME AND SIZE.
 - 6. THE ROOT SYSTEM OF EACH PLANT SHALL BE WELL PROVIDED WITH FIBROUS ROOTS. ALL PARTS SHALL BE SOUND, HEALTHY, VIGOROUS, WELL-BRANCHED AND DENSELY FOLIATED WHEN IN LEAF.
 - 7. ALL PLANTS DESIGNATED BALL AND BURLAP (B&B) MUST BE MOVED WITH THE ROOT SYSTEM AS SOLID UNITS WITH BALLS OF EARTH FIRMLY WRAPPED WITH BURLAP. THE DIAMETER AND DEPTH OF THE BALLS OF EARTH MUST BE SUFFICIENT TO encompass the fibrous root feeding systems necessary for the healthy development of the plant. No plant SHALL BE ACCEPTED WHEN THE BALL OF EARTH SURROUNDING ITS ROOTS HAS BEEN BADLY CRACKED OR BROKEN PREPARATORY TO OR DURING THE PROCESS OF PLANTING. THE BALLS SHALL REMAIN INTACT DURING ALL OPERATIONS. ALL PLANTS THAT CANNOT BE PLANTED AT ONCE MUST BE HEELED-IN BY SETTING IN THE GROUND AND COVERING THE BALLS WITH SOIL OR MULCH AND THEN WATERING. HEMP BURLAP AND TWINE IS PREFERABLE TO TREATED. IF TREATED BURLAP IS USED, ALL TWINE IS TO BE CUT FROM AROUND THE TRUNK AND ALL BURLAP IS TO BE REMOVED.
 - 8. PLANTS TRANSPORTED TO THE PROJECT IN OPEN VEHICLES SHALL BE COVERED WITH TARPS OR OTHER SUITABLE COVERS securely fastened to the body of the vehicle to prevent iniury to the plants. Closed vehicles shall be ADEQUATELY VENTILATED TO PREVENT OVERHEATING OF THE PLANTS, EVIDENCE OF INADEQUATE PROTECTION FOLLOWING DIGGING, CARELESSNESS WHILE IN TRANSIT, OR IMPROPER HANDLING OR STORAGE SHALL BE CAUSE FOR REJECTION OF PLANT MATERIAL. ALL PLANTS SHALL BE KEPT MOIST, FRESH, AND PROTECTED. SUCH PROTECTION SHALL ENCOMPASS THE
 - ENTIRE PERIOD DURING WHICH THE PLANTS ARE IN TRANSIT, BEING HANDLED, OR ARE IN TEMPORARY STORAGE. 9. ALL PLANT MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE CORRESPONDING LANDSCAPE PLAN AND PLANTING 10. LANDSCAPE CONTRACTOR SHALL MAKE BEST EFFORT TO INSTALL PLANTINGS ON THE SAME DAY AS DELIVERY. IF PLANTS ARE
 - NOT PLANTED IMMEDIATELY ON SITE, PROPER CARE SHALL BE TAKEN TO PLACE THE PLANTINGS IN PARTIAL SHADE WHEN POSSIBLE. THE ROOT BALL SHALL BE KEPT MOIST AT ALL TIME AND COVERED WITH MOISTENED MULCH OR AGED WOODCHIPS. PROPER IRRIGATION SHALL BE SUPPLIED SO AS TO NOT ALLOW THE ROOT BALL TO DRY OUT. PLANTINGS HALL BE UNTIED AND PROPER SPACING SHALL BE ALLOTTED FOR AIR CIRCULATION AND TO PREVENT DISEASE, WILTING, AND LEAF LOSS. PLANTS THAT REMAIN UNPLANTED FOR A PERIOD OF TIME GREATER THAN THREE (3) DAYS SHALL BE HEALED IN WITH TOPSOIL OR MULCH AND WATERED AS REQUIRED TO PRESERVE ROOT MOISTURE.
 - II. NO PLANT MATERIAL SHALL BE PLANTED IN MUDDY OR FROZEN SOIL. 12. PLANTS WITH INJURED ROOTS OR BRANCHES SHALL BE PRUNED PRIOR TO PLANTING UTILIZING CLEAN, SHARP TOOLS. ONLY DISEASED OR INJURED PLANTS SHALL BE REMOVED.
 - 13. IF ROCK OR OTHER UNDERGROUND OBSTRUCTION IS ENCOUNTERED, THE LANDSCAPE DESIGNER RESERVES THE RIGHT TO RELOCATE OR ENLARGE PLANTING PITS OR DELETE PLANT MATERIAL FROM THE CONTRACT.
 - 14. IF PLANTS ARE PROPOSED WITHIN SIGHT TRIANGLES, TREES SHALL BE LIMBED AND MAINTAINED TO A HEIGHT OF EIGHT FEET (8') ABOVE GRADE, AND SHRUBS, GROUND COVER, PERENNIALS, AND ANNUALS SHALL BE MAINTAINED TO A HEIGHT NOT TO EXCEED TWO FEET (2") ABOVE GRADE UNLESS OTHERWISE NOTED OR SPECIFIED BY THE GOVERNING MUNICIPALITY OR
 - 15. INSTALLATION SHALL OCCUR DURING THE FOLLOWING SEASONS: PLANTS (MARCH 15 - DECEMBER 15)
 - LAWNS (MARCH 15 JUNE 15 OR SEPTEMBER 1 DECEMBER 1) 16. THE FOLLOWING TREES ARE SUSCEPTIBLE TO TRANSPLANT SHOCK AND SHALL NOT BE PLANTED DURING THE FALL SEASON

IAKTING SEPTEMBER 15):		
BIES CONCOLOR	CORNUS VARIETIES	OSTRYA VIRGINIANA
CER BUERGERIANUM	CRATAEGUS VARIETIES	PINUS NIGRA
CER FREEMANII	CUPRESSOCYPARIS LEYLANDII	PLATANUS VARIETIES
CER RUBRUM	FAGUS VARIETIES	POPULUS VARIETIES
CER SACCHARINUM	HALESIA VARIETIES	PRUNUS VARIETIES
TULA VARIETIES	ILEX X FOSTERII	PYRUS VARIETIES
ARPINUS VARIETIES	ILEX NELLIE STEVENS	QUERCUS VARIETIES (NOT Q. PALUSTRIS)
DRUS DEODARA	ILEX OPACA	SALIX WEEPING VARIETIES
ELTIS VARIETIES	JUNIPERUS VIRGINIANA	SORBUS VARIETIES

CERCIDIPHYLLUM VARIETIES KOELREUTERIA PANICULATA TAXODIUM VARIETIES TAXUX B REPANDENS CERCIS CANADENSIS LIQUIDAMBAR VARIETIES **CORNUS VARIETIES** LIRIODENDRON VARIETIES TILIA TOMENTOSA VARIETIES **CRATAEGUS VARIETIES** MALUS IN LEAF ULMUS PARVIFOLIA VARIETIES NYSSA SYLVATICA ZELKOVA VARIETIES

17. IF A PROPOSED PLANT IS UNATTAINABLE OR ON THE FALL DIGGING HAZARD LIST, AN EQUIVALENT SPECIES OF THE SAME SIZE MAY BE REQUESTED FOR SUBSTITUTION OF THE ORIGINAL PLANT. ALL SUBSTITUTIONS SHALL BE APPROVED BY THE PROJECT LANDSCAPE DESIGNER OR MUNICIPAL OFFICIAL PRIOR TO ORDERING AND INSTALLATION.

18. DURING THE COURSE OF CONSTRUCTION/PLANT INSTALLATION, EXCESS AND WASTE MATERIALS SHALL BE CONTINUOUSLY AND PROMPTLY REMOVED AT THE END OF EACH WORK DAY. ALL DEBRIS, MATERIALS, AND TOOLS SHALL BE PROPERLY

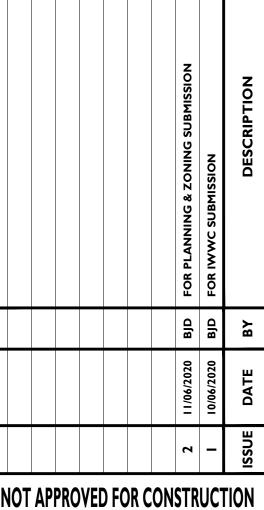
- STORED, STOCKPILED OR DISPOSED OF AND ALL PAVED AREAS SHALL BE CLEANED. 19. THE LANDSCAPE CONTRACTOR SHALL DISPOSE OF ALL RUBBISH AND EXCESS SOIL AT HIS EXPENSE TO AN OFF-SITE LOCATION AS APPROVED BY THE LOCAL MUNICIPALITY. 20. A 90-DAY MAINTENANCE PERIOD SHALL BEGIN IMMEDIATELY AFTER ALL PLANTS HAVE BEEN SATISFACTORILY INSTALLED.
- 21. MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO, REPLACING MULCH THAT HAS BEEN DISPLACED BY EROSION OR OTHER MEANS, REPAIRING AND RESHAPING WATER RINGS OR SAUCERS, MAINTAINING STAKES AND GUYS IF ORIGINALI REQUIRED, WATERING WHEN NEEDED OR DIRECTED, WEEDING, PRUNING, SPRAYING, FERTILIZING, MOWING THE LAWN, AND PERFORMING ANY OTHER WORK REQUIRED TO KEEP THE PLANTS IN A HEALTHY CONDITION. 2. MOW ALL GRASS AREAS AT REGULAR INTERVALS TO KEEP THE GRASS HEIGHT FROM EXCEEDING THREE INCHES (3"). MOWING
- SHALL BE PERFORMED ONLY WHEN GRASS IS DRY. MOWER BLADE SHALL BE SET TO REMOVE NO MORE THAN ONE THIRD (1/3) OF THE GRASS LENGTH. WHEN THE AMOUNT OF GRASS IS HEAVY, IT SHALL BE REMOVED TO PREVENT DESTRUCTION OF THE UNDERLYING TURF. MOW GRASS AREAS IN SUCH A MANNER AS TO PREVENT CLIPPINGS FROM BLOWING ON PAVED AREAS, AND SIDEWALKS. CLEANUP AFTER MOWING SHALL INCLUDE SWEEPING OR BLOWING OF PAVED AREAS AND SIDEWALKS TO CLEAR THEM FROM MOWING DEBRIS.
- 23. GRASSED AREAS DAMAGED DURING THE PROCESS OF THE WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, WHO SHALL RESTORE THE DISTURBED AREAS TO A CONDITION SATISFACTORY TO THE PROJECT LANDSCAPE DESIGNER, MUNICIPAL OFFICIAL, OR OWNER/OWNER'S REPRESENTATIVE. THIS MAY INCLUDE FILLING TO GRADE, FERTILIZING, SEEDING, AND
- 24. SHOULD THE OWNER REQUIRE MAINTENANCE BEYOND THE STANDARD 90-DAY MAINTENANCE PERIOD, A SEPARATE
- CONTRACT SHALL BE ESTABLISHED. 25. LANDSCAPE CONTRACTOR SHALL WATER NEW PLANTINGS FROM TIME OF INSTALL AND THROUGHOUT REQUIRED 90-DAY MAINTENANCE PERIOD UNTIL PLANTS ARE ESTABLISHED. IF ON-SITE WATER IS NOT AVAILABLE AT THE PROJECT LOCATION, THE LANDSCAPE CONTRACTOR SHALL FURNISH IT BY MEANS OR A WATERING TRUCK OR OTHER ACCEPTABLE MANNER.
- 26. THE QUANTITY OF WATER APPLIED AT ONE TIME SHALL BE SUFFICIENT TO PENETRATE THE SOIL TO A MINIMUM OF EIGHT INCHES (8") IN SHRUB BEDS AND SIX INCHES (6") IN TURF AREAS AT A RATE WHICH WILL PREVENT SATURATION OF THE SOIL. 27. IF AN AUTOMATIC IRRIGATION SYSTEM HAS BEEN INSTALLED, IT CAN BE USED FOR WATERING PLANT MATERIAL. HOWEVER, FAILURE OF THE SYSTEM DOES NOT ELIMINATE THE LANDSCAPE CONTRACTOR'S RESPONSIBILITY OF PLANT HEALTH AND

PLANT MATERIAL GUARANTEE NOTES

- THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR (I YR.) FROM APPROVAL OF LANDSCAPE INSTALLATION BY THE PROJECT LANDSCAPE DESIGNER, MUNICIPAL OFFICIAL, OR OWNER/OWNER'S REPRESENTATIVE
- I. THE LANDSCAPE CONTRACTOR SHALL REMOVE AND REPLACE DYING, DEAD, OR DEFECTIVE PLANT MATERIAL AT HIS EXPENSE. THE LANDSCAPE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ANY DAMAGES CAUSED BY HIS COMPANY'S OPERATIONS. 3. ALL REPLACEMENT PLANTS SHALL BE OF THE SAME SPECIES AND SIZE AS SPECIFIED ON THE APPROVED OR FINAL PLANT LIST. REPLACEMENTS RESULTING FROM REMOVAL, LOSS, OR DAMAGE DUE TO OCCUPANCY OF THE PROJECT IN ANY PART, VANDALISM, PHYSICAL DAMAGE BY ANIMALS, VEHICLES, ETC., AND LOSSES DUE TO CURTAILMENT OF WATER BY LOCAL
- AUTHORITIES SHALL BE APPROVED AND PAID FOR BY THE OWNER. 4. THE CONTRACTOR SHALL INSTRUCT THE OWNER AS TO THE PROPER CARE AND MAINTENANCE OF ALL PLANTINGS.

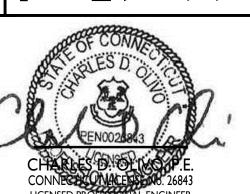
LAWN (SEED OR SOD) NOTES:

- I. SEED MIXTURE SHALL BE FRESH, CLEAN, NEW CROP SEED. SOD SHALL BE STRONGLY ROOTED, UNIFORM IN THICKNESS, AND FREE OF WEEDS, DISEASE, AND PESTS. L SEED OR SOD SHALL BE PURCHASED FROM A RECOGNIZED DISTRIBUTOR AND SHALL BE COMPOSED OF THE MIX OR BLEND
- WITHIN THE PROVIDED "SEED SPECIFICATION" OR "SOD SPECIFICATION."
- 4. SEEDING SHALL NOT BE PERFORMED IN WINDY WEATHER. IF THE SEASON OF THE PROJECT COMPLETION PROHIBITS PERMANENT STABILIZATION, TEMPORARY STABILIZATION SHALL BE PROVIDED IN ACCORDANCE WITH THE "TEMPORARY SEEDING SPECIFICATION.'
- 5. PROTECT NEW LAWN AREAS AGAINST TRESPASSING WHILE THE SEED IS GERMINATING. FURNISH AND INSTALL FENCES, SIGNS, BARRIERS OR ANY OTHER NECESSARY TEMPORARY PROTECTIVE DEVICES. DAMAGE RESULTING FROM TRESPASS, EROSION, WASHOUT, SETTLEMENT OR OTHER CAUSES SHALL BE REPAIRED BY THE LANDSCAPE CONTRACTOR AT HIS EXPENSE. REMOVE ALL FENCES, SIGNS, BARRIERS OR OTHER TEMPORARY PROTECTIVE DEVICES ONCE LAWN HAS BEEN ESTABLISHED.





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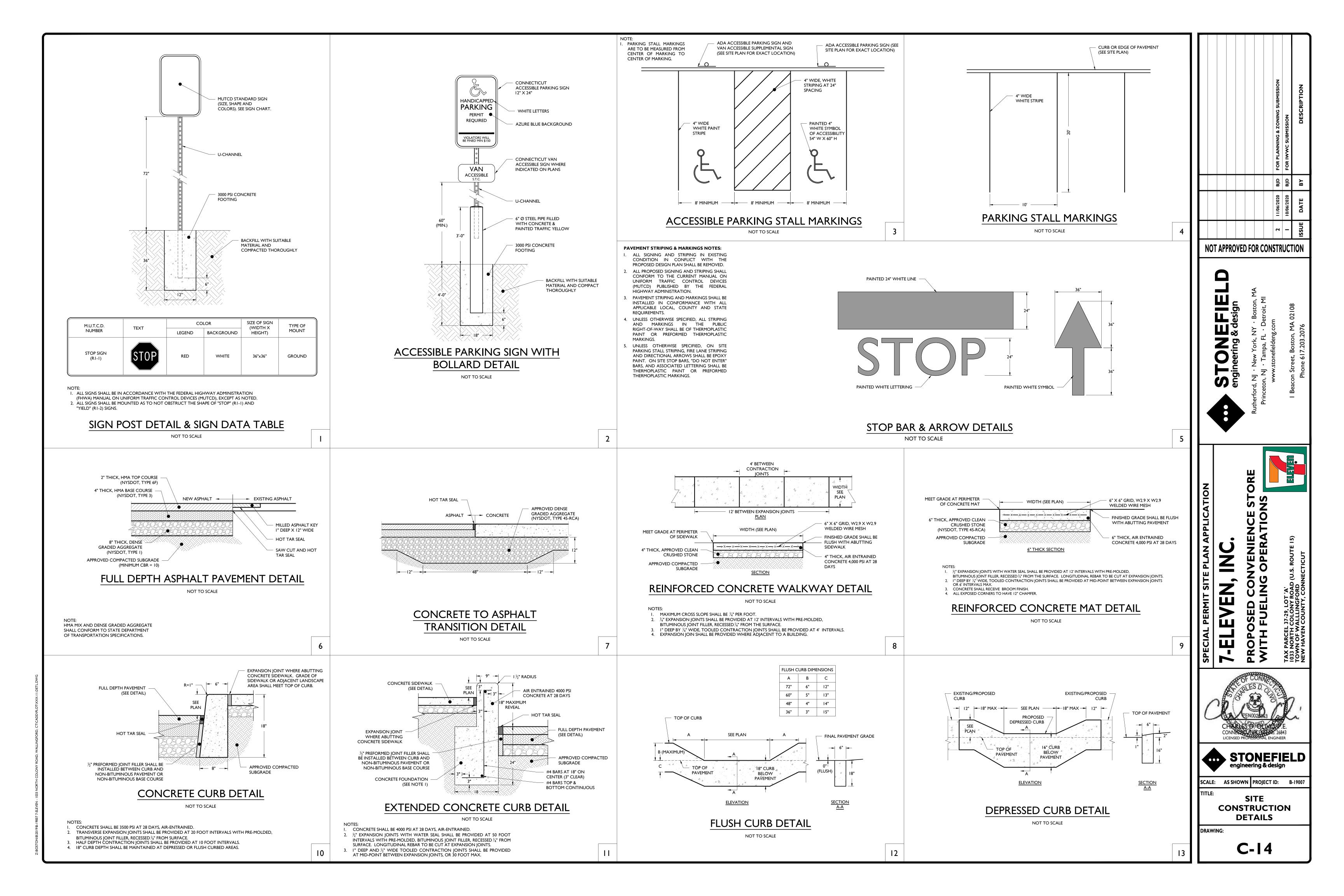


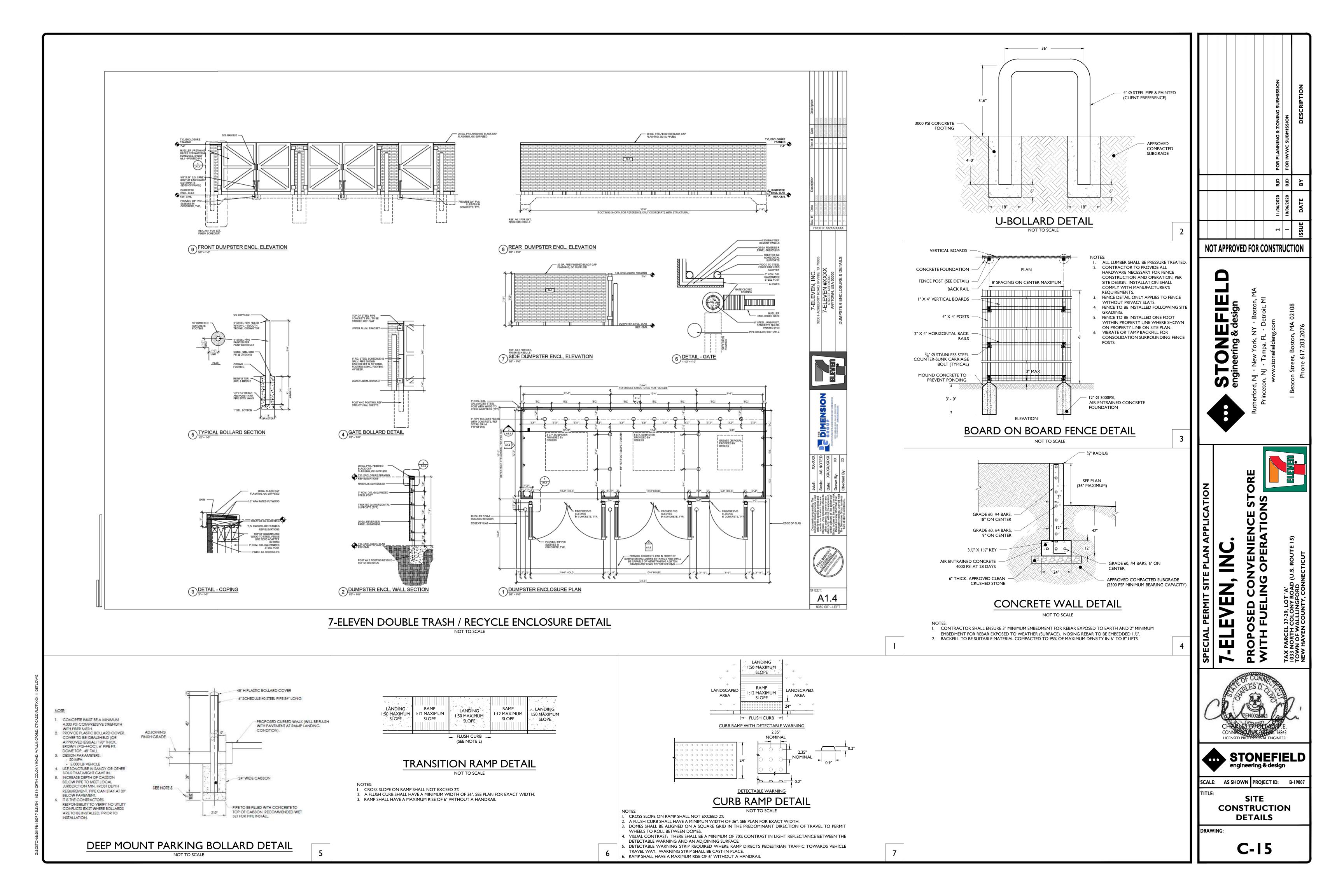


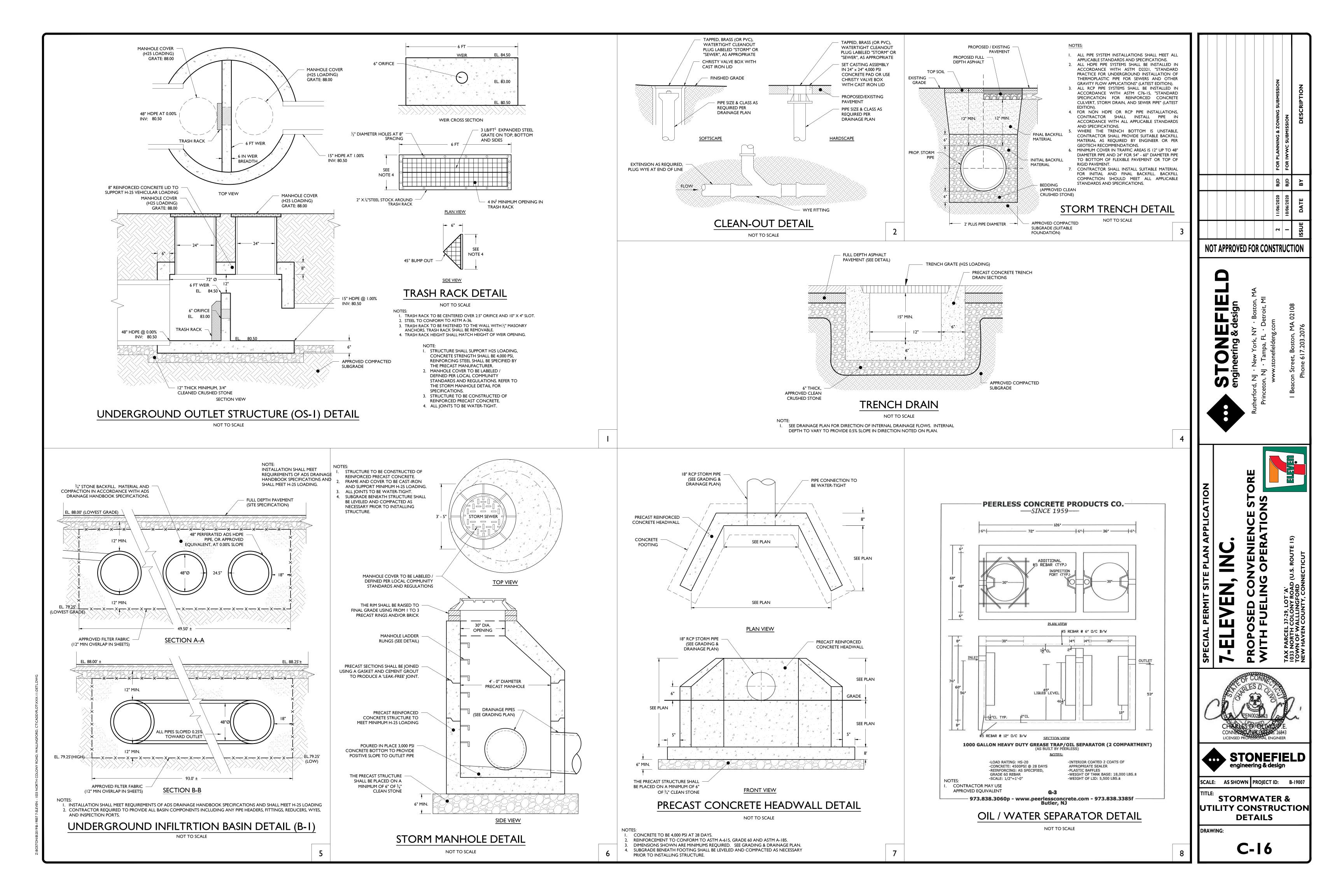
SCALE: AS SHOWN PROJECT ID: B-19007

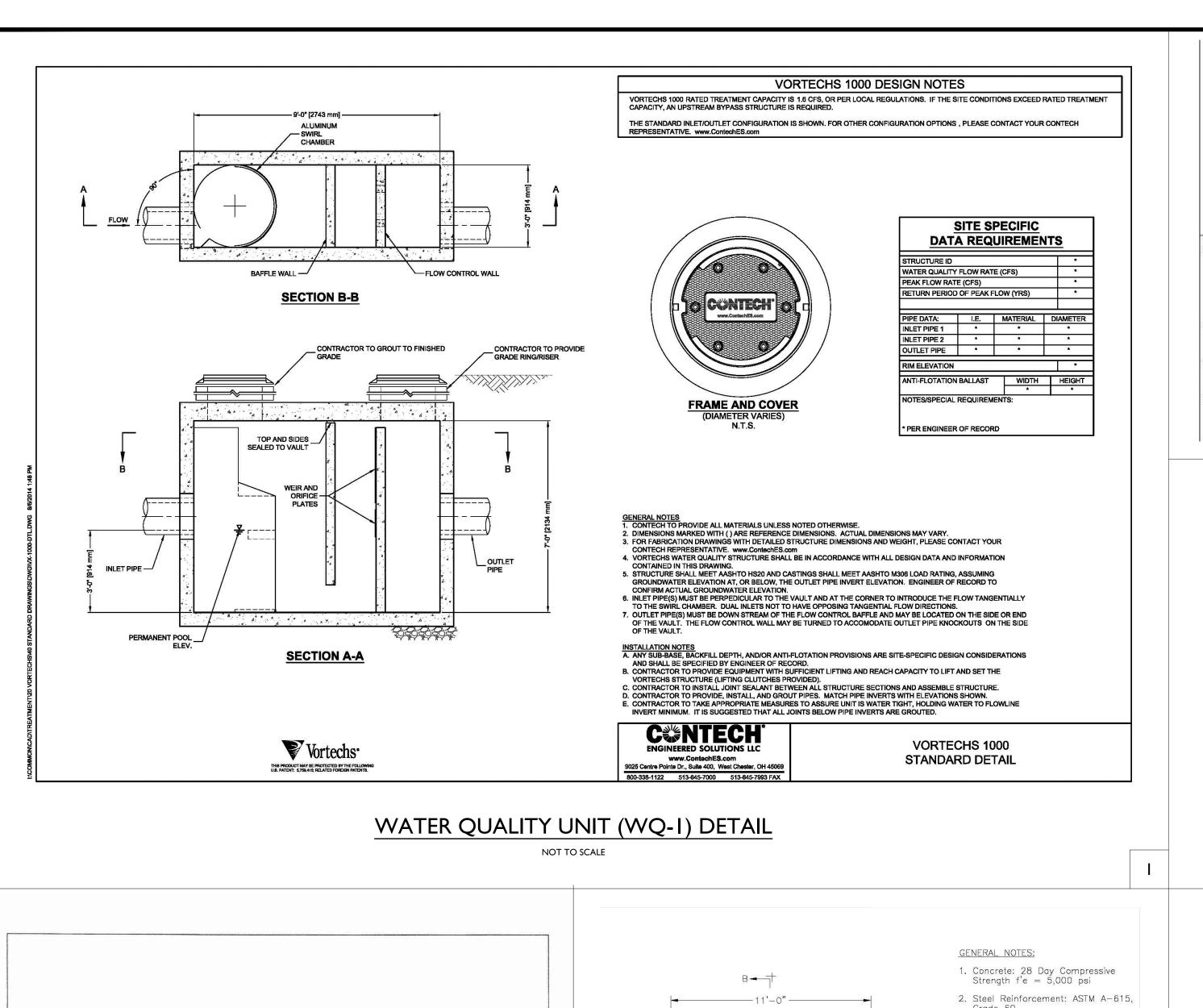
LANDSCAPING DETAILS

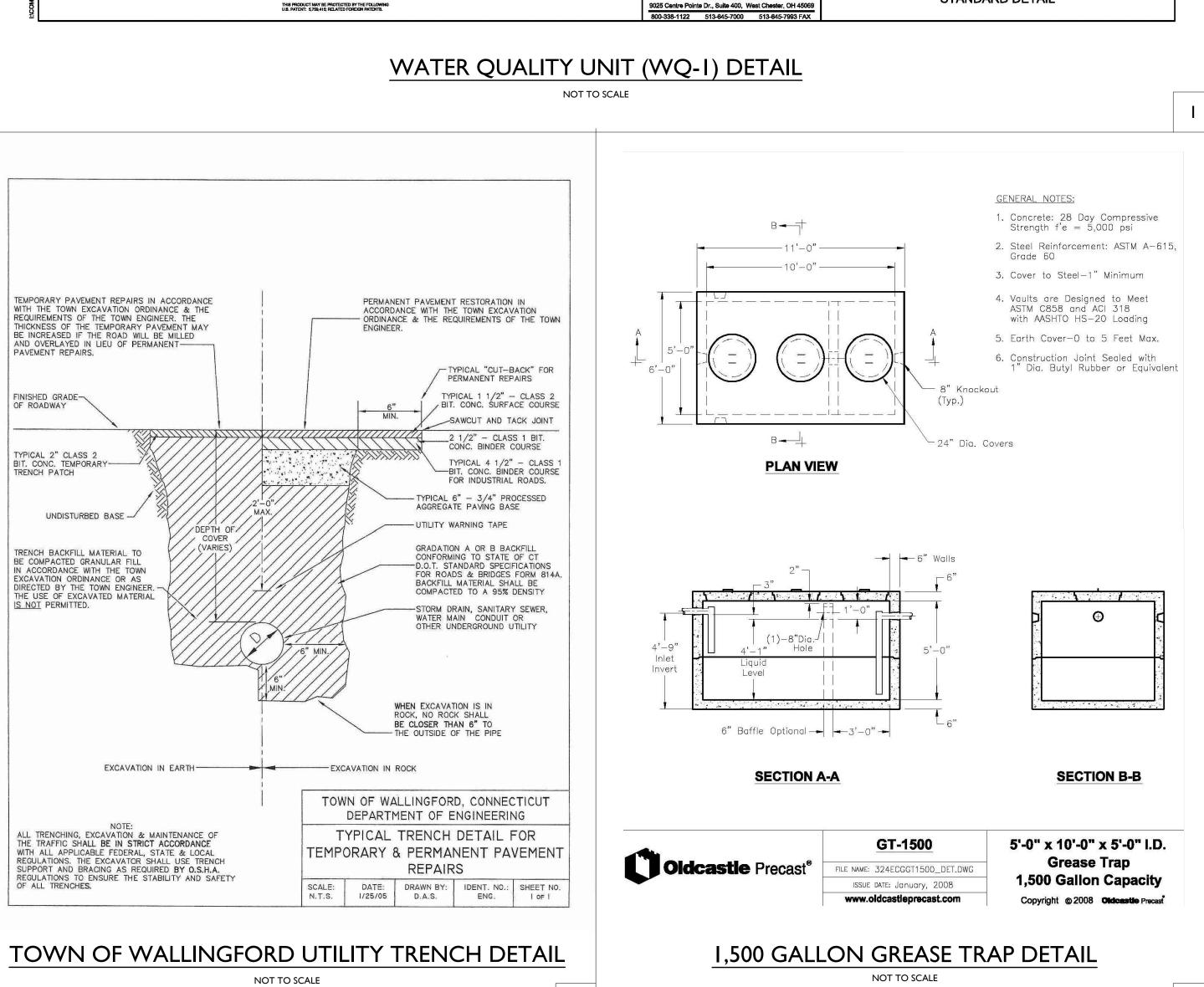
DRAWING:









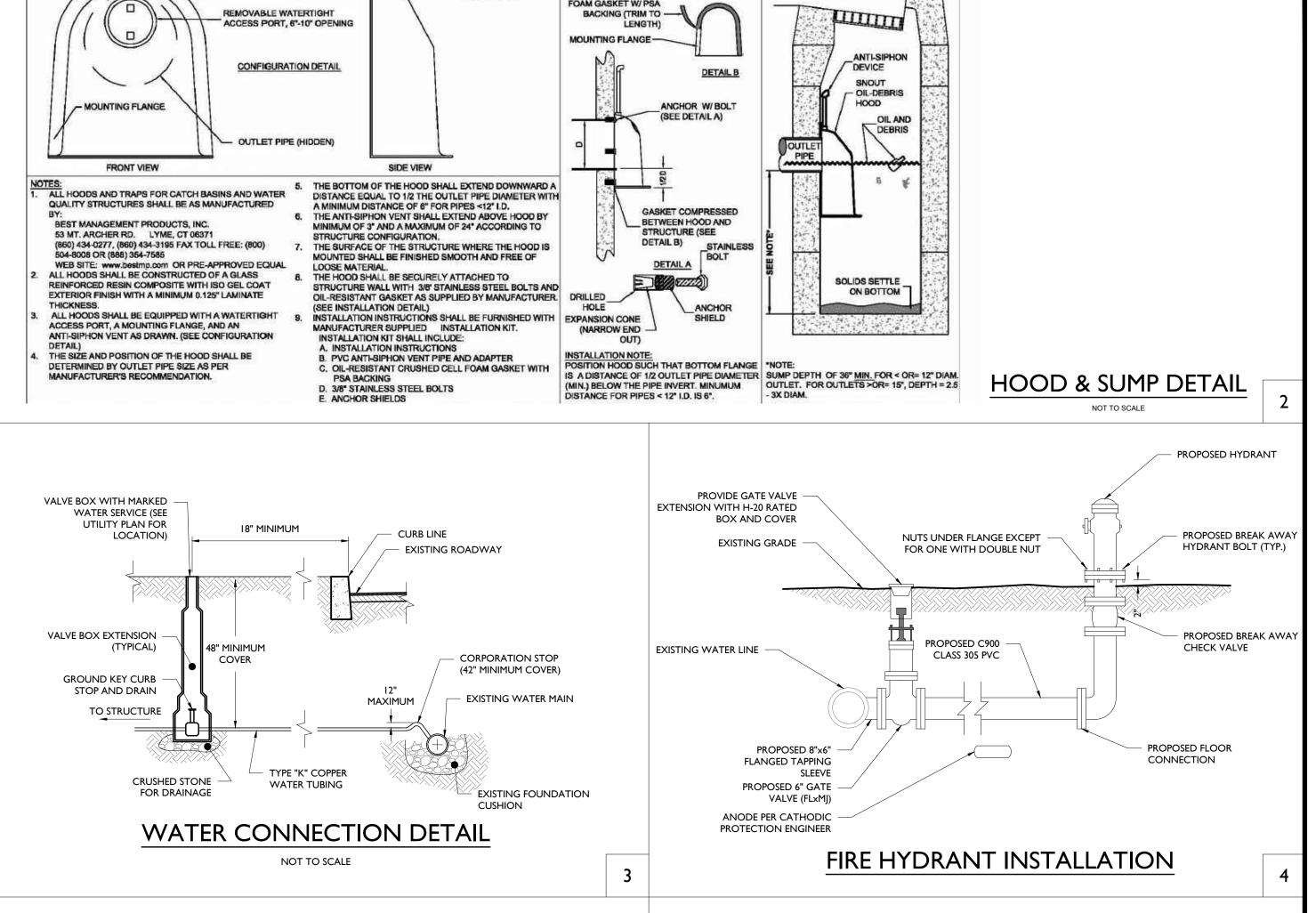


PAVEMENT REPAIRS.

FINISHED GRADE OF ROADWAY

TRENCH PATCH

TYPICAL 2" CLASS 2 BIT. CONC. TEMPORARY



INSTALLATION DETAIL

OIL-WATER-DEBRIS

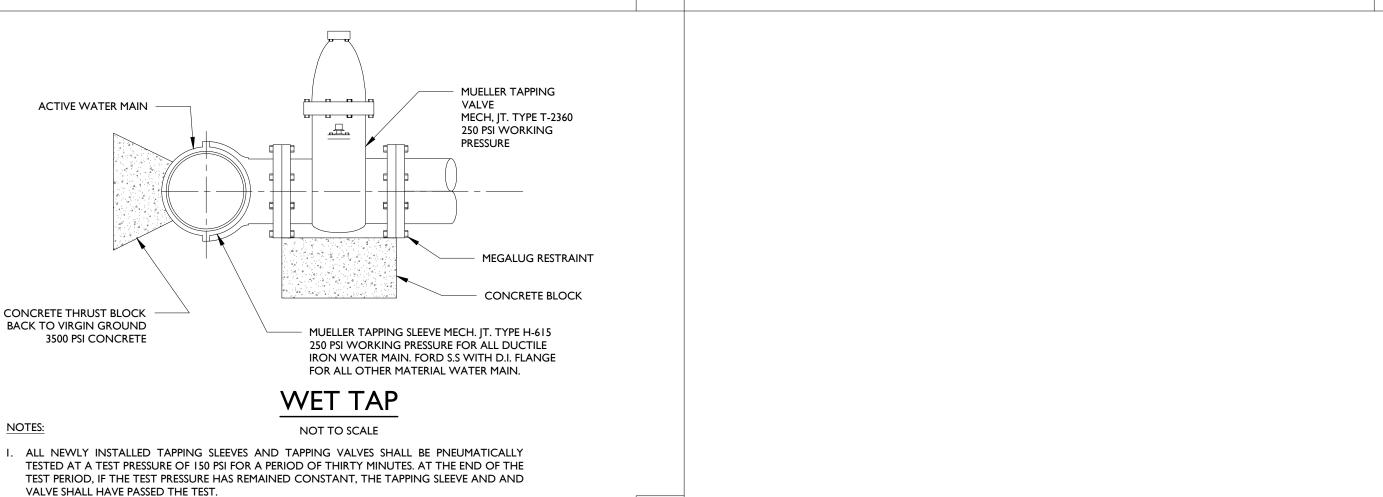
TYPICAL INSTALLATION

_1" PVC ANTI-SIPHON

2. ANY VALVE INSTALLED OUTSIDE OF ASPHALT AREAS MUST BE CONSTRUCTED WITH A 2'x2'x6"

CONCRETE COLLAR AROUND IT.

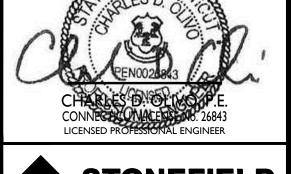
PIPE ADAPTER





NOT APPROVED FOR CONSTRUCTION

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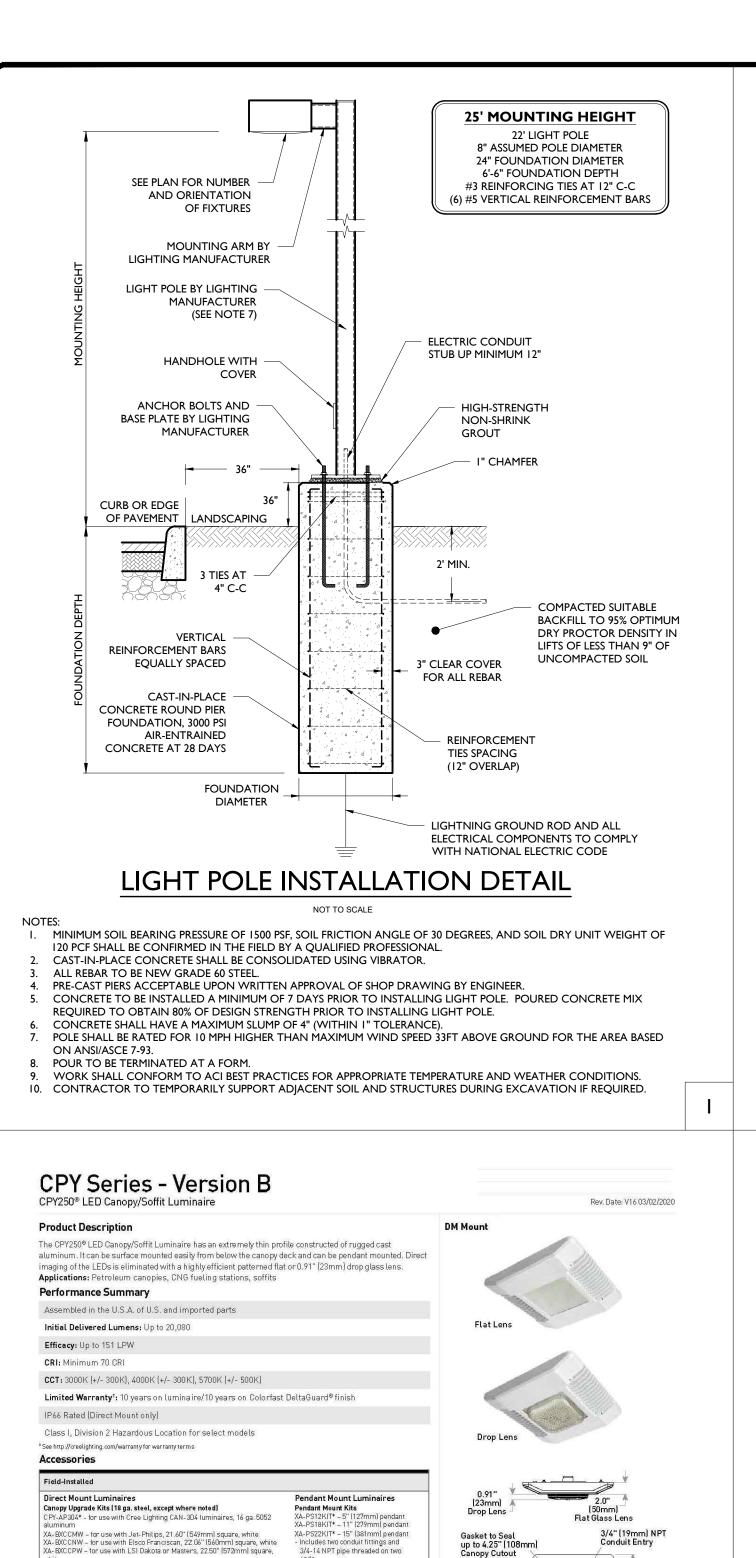




SCALE: AS SHOWN PROJECT ID: B-19007

STORMWATER & UTILITY CONSTRUCTION **DETAILS**

DRAWING:



XA-BXCCQW - for use with Whiteway Riviera or Rig-A-Lite, 20.60" (523mm)

Hand-Held Remote

- Available with B, E & F input power designators only Must specify either 34 or 48 voltage with

CANOPY LIGHT FIXTURE 'E SPECIFICATIONS

NOT TO SCALE

square, write

XA-BXCCRW - for use with Elsco Merrit, 18.06" [459mm] square, white

XA-BXCCSW - for use with LSI Richmond or Whiteway Civic, 23.00" [584mm] L

x 13.00" [330mm] W, white

XA-BXCCBPM-26.17" (665mm) Beauty Plate Only [18 ga. steel], white XA-BXCCBPB12W – 26.17" (665mm) Beauty Plate [18 ga. steel] w/12" (305mm)

For use in canopies where deck opening is larger than what is required for mounting the CPY250 luminaire. Maximum deck opening 10.75" x 15"

(18smm x 37smm)

XA-EXCEDEB16W – 26.17" (665mm) Beauty Plate (18 ga. steel) w/16" (406mm)

Backer Plate [16 ga. steel), white

- For use in canopies where deck opening is larger than what is required for mounting the CPY250 luminaire. Maximum deck opening 12" x 15" (305mm x 375mm)

Direct Mount Junction Box/Stem Kit XA-BXCCJB0X - 6.0" [152mm] H x 3/4" [19mm] NPT Stem

Direct Mount Beauty Plates

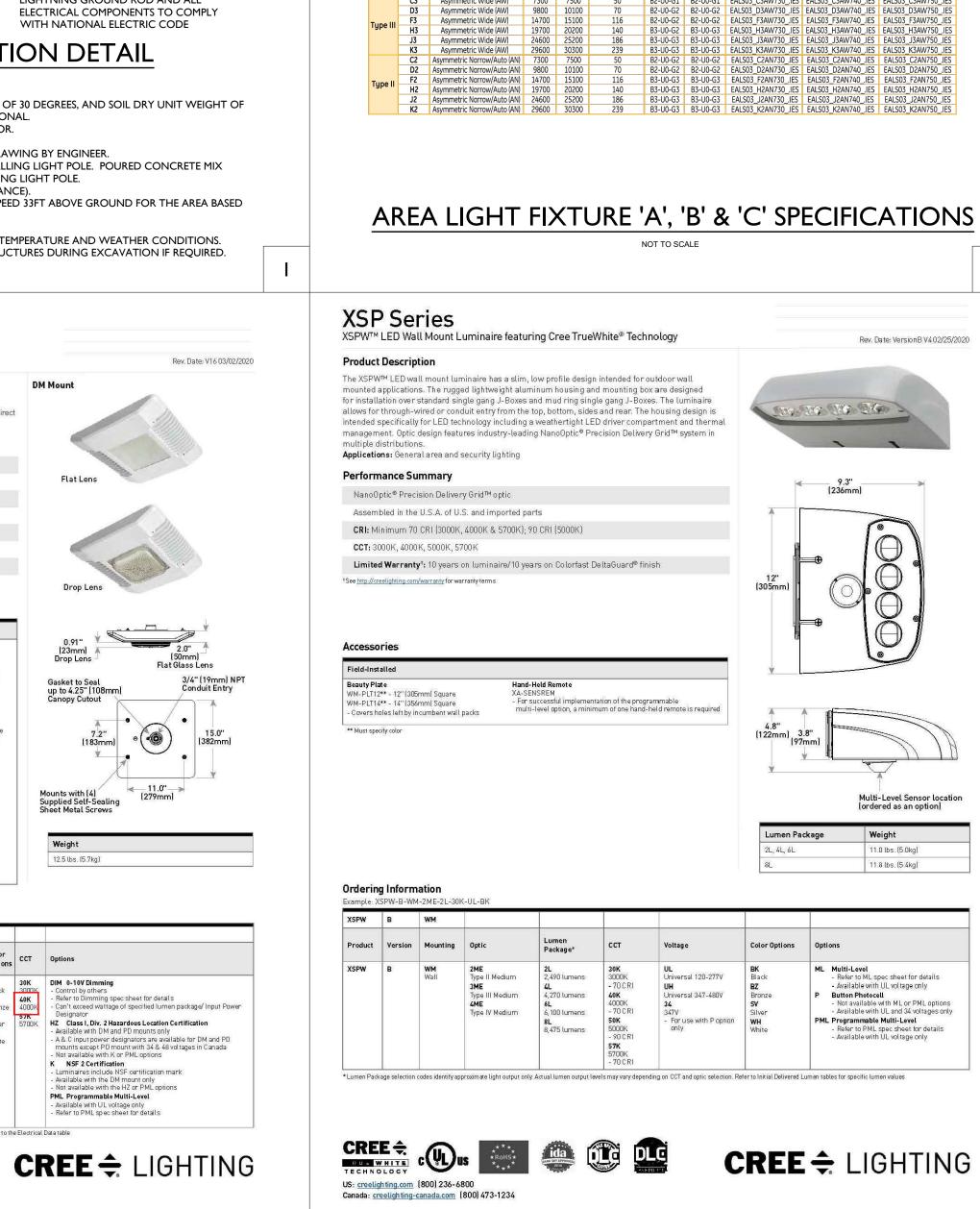
Ordering Information

- Rated for feed through 8 (4 in, 4 out) #12 AWC conductors

*Must specify color: BK (Black), BZ (Bronze), SV (Silver) or WH (White)

US: creelighting.com T (800) 236-6800

Canada: creetighting-canada.com T (800) 473-1234



WALLPACK LIGHT FIXTURE 'F' SPECIFICATIONS

NOT TO SCALE

Ordering Number Logic

Evolve™ LED Area Light (EALS-03)

Symmetric Medium (SM

Symmetric Wide (SW

Symmetric Wide (SW

Symmetric Wide (SW

Symmetric High Angle (SH

Symmetric High Angle (SH) Symmetric High Angle (SH)

Asymmetric Forward (AF

Asymmetric Forward (AF)

Asymmetric Forward (AF)

Asymmetric High Angle (AH

Asymmetric High Angle (AH

Asymmetric High Angle (AH)

Asymmetric High Angle (AH)
Asymmetric Wide (AW)

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cable shorting cap provided X = Non-dimmable*
All constructions supplied with ANSI C136.41

*Required for Cx Optical Codes. Not ovaliable for other optical codes.

Note: Standard dimming 0-10V

*Repuired for Cx Optical Codes. Not ovaliable for other optical codes.

Note: Standard dimming 0-10V

*Repuired for Cx Optical Codes. Not ovaliable for other optical codes.

Note: Standard Mounting Mounting Am, fitted for round or square pole mounting**

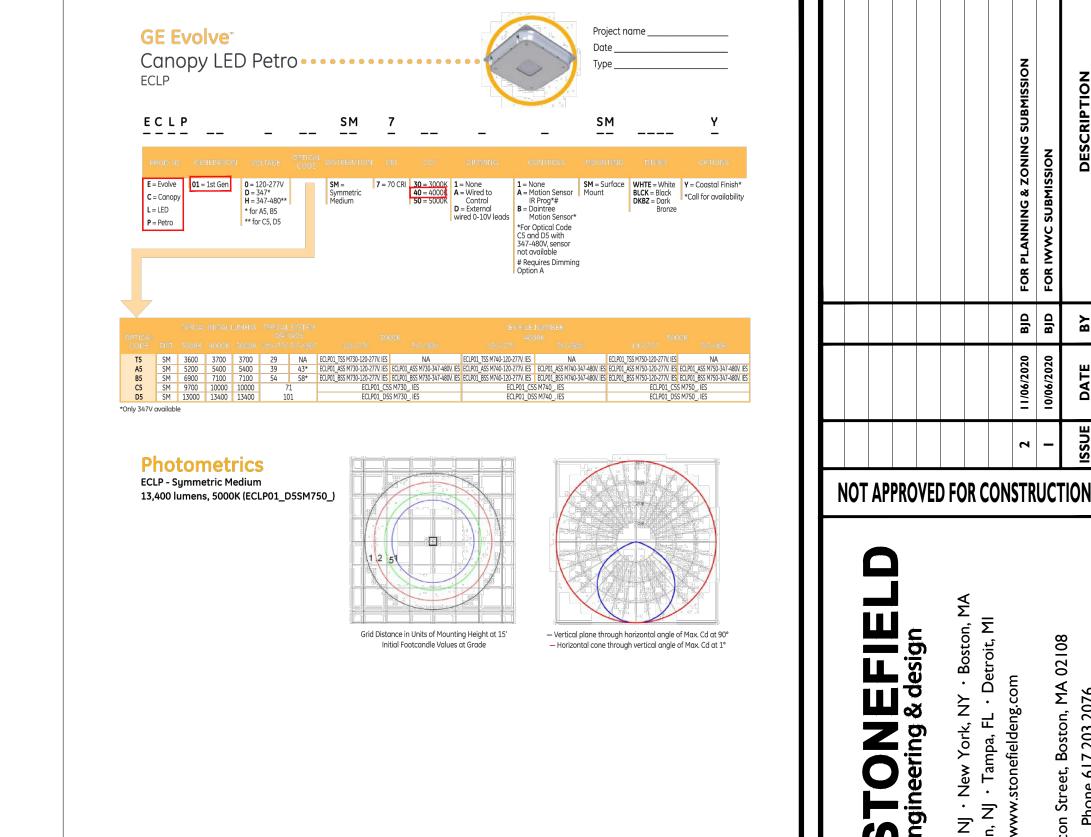
*Supplied with 3FT leads

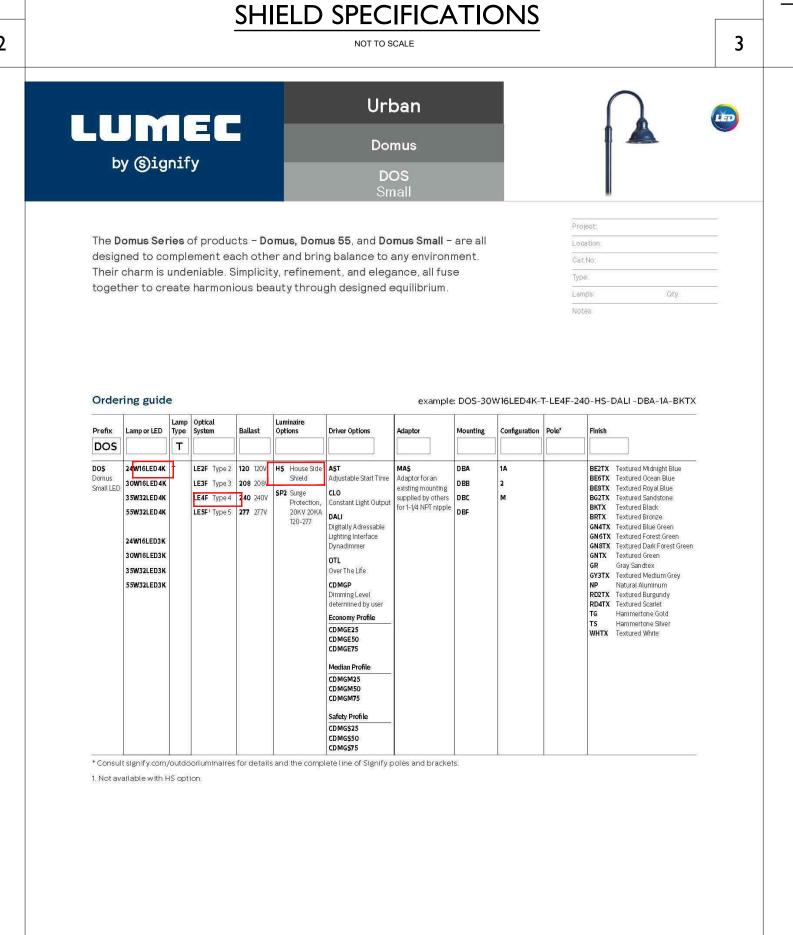
B3-U0-G3	EALS03_H4AF730_IES	EALS03_H4AF740_IES	EALS03_H4AF750_IES	
B3-U0-G4	EALS03_K4AF730_IES	EALS03_K4AF740_IES	EALS03_K4AF750_IES	
B2-U0-G2	EALS03_C4AH730_IES	EALS03_C4AH740_IES	EALS03_C4AH750_IES	
B2-U0-G2	EALS03_D4AH730_IES	EALS03_D4AH740_IES	EALS03_D4AH750_IES	
B3-U0-G4	EALS03_H4AH730_IES	EALS03_H4AH740_IES	EALS03_H4AH750_IES	
B3-U0-G4	EALS03_H4AH730_IES	EALS03_H4AH740_IES	EALS03_H4AH750_IES	
B3-U0-G4	EALS03_H4AH730_IES	EALS03_H4AH740_IES	EALS03_H4AH750_IES	
B3-U0-G4	EALS03_H4AH730_IES	EALS03_H4AH740_IES	EALS03_H4AH750_IES	
B3-U0-G4	EALS03_H4AH730_IES	EALS03_H4AH740_IES	EALS03_H4AH750_IES	
B3-U0-G4	EALS03_H4AH730_IES	EALS03_H4AH740_IES	EALS03_H4AH750_IES	
B3-U0-G4	EALS03_H4AH730_IES	EALS03_H4AH740_IES	EALS03_H4AH750_IES	
B3-U0-G4	EALS03_H4AH730_IES	EALS03_H4AH740_IES	EALS03_H4AH750_IES	
B3-U0-G4	EALS03_H4AH730_IES	EALS03_H4AH740_IES	EALS03_H4AH750_IES	
B3-U0-G4	EALS03_H4AH730_IES	EALS03_H4AH740_IES	EALS03_H4AH750_IES	
B3-U0-G4	EALS03_H4AH730_IES	EALS03_H4AH740_IES	EALS03_H4AH750_IES	
B3-U0-G4	EALS03_H4AH730_IES	EALS03_H4AH740_IES	EALS03_H4AH750_IES	
B3-U0-G4	EALS03_H4AH730_IES	EALS03_H4AH740_IES	EALS03_H4AH750_IES	
B3-U0-G4	EALS03_H4AH730_IES	EALS03_H4AH740_IES	EALS03_H4AH750_IES	
B3-U0-G4	EALS03_H4AH730_IES	EALS03_H4AH740_IES	EALS03_H4AH750_IES	
B3-U0-G4	EALS03_H4AH740_IES	EALS03_H4AH740_IES	EALS03_H4AH740_IES	EALS03_H4AH740_IES
B3-U0-G4	EALS03_H4AH740_IES	EALS03_H4		

B3-U0-G4 B3-U0-G4 EALS03_J4AH730_IES EALS03_J4AH740_IES EALS03_J4AH760_IES B3-U0-G4 B3-U0-G4 EALS03_K4AH730_IES EALS03_K4AH740_IES EALS03_K4AH750_IES B2-U0-G1 B2-U0-G1 EALS03_C3AW730_IES EALS03_C3AW740_IES EALS03_C3AW750_IES

3 L = 100-Less Entry
R = Enhanced Surge Protection
(10kV/SkA)
S1 = Rotated Left †
S2 = Rotated Right †
T = Elevated Surge Protection
(20kV/10kA)
U = DALI dimming +
V = 3-Postion Terminal Block Y
= Coastal Finish
XXX = Special Options







AREA LIGHT FIXTURE 'A', 'B' & 'C'

RECESSED CANOPY LIGHT FIXTURE 'D' SPECIFICATIONS

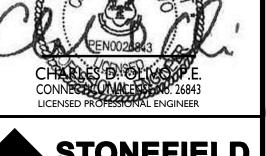


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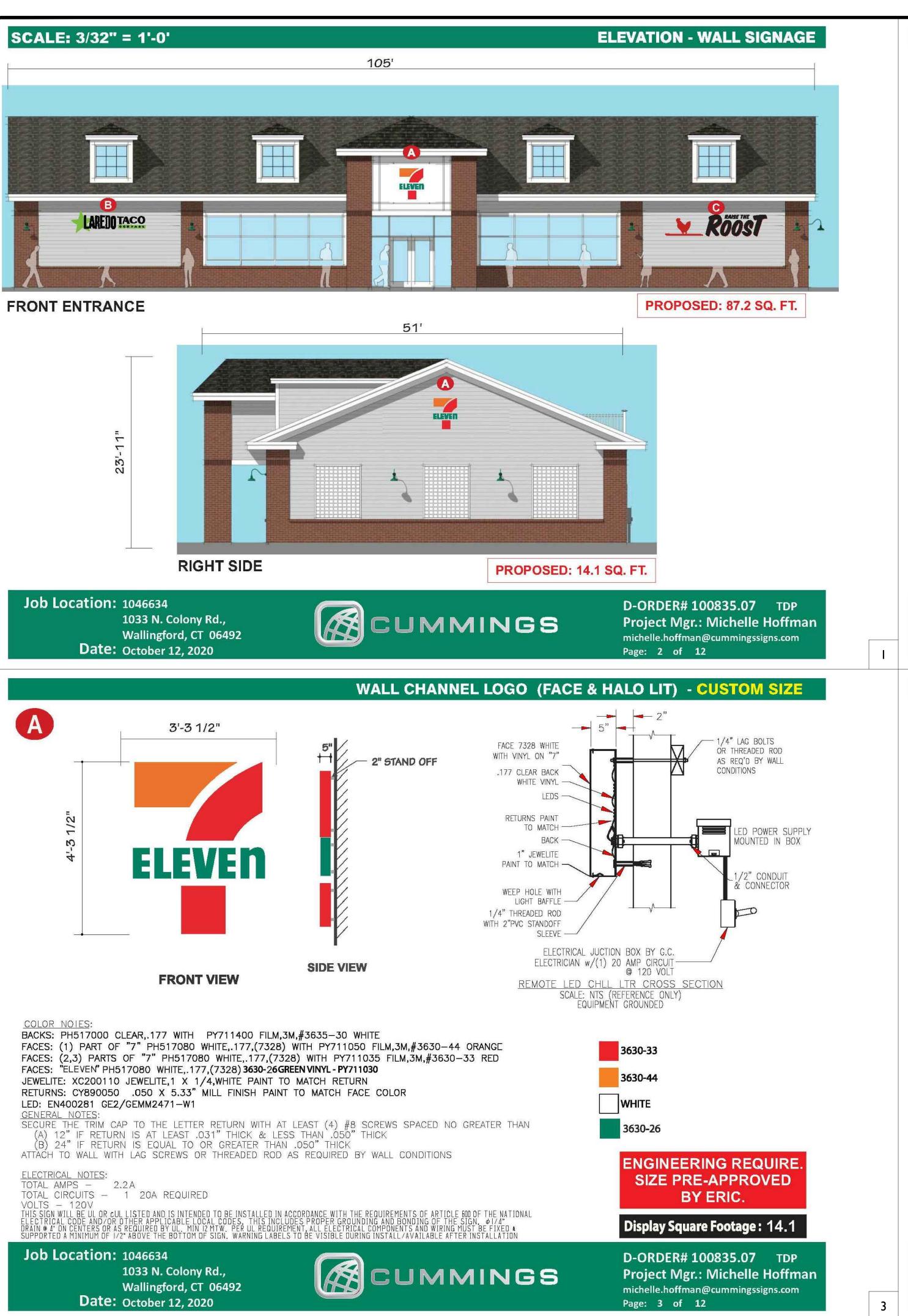
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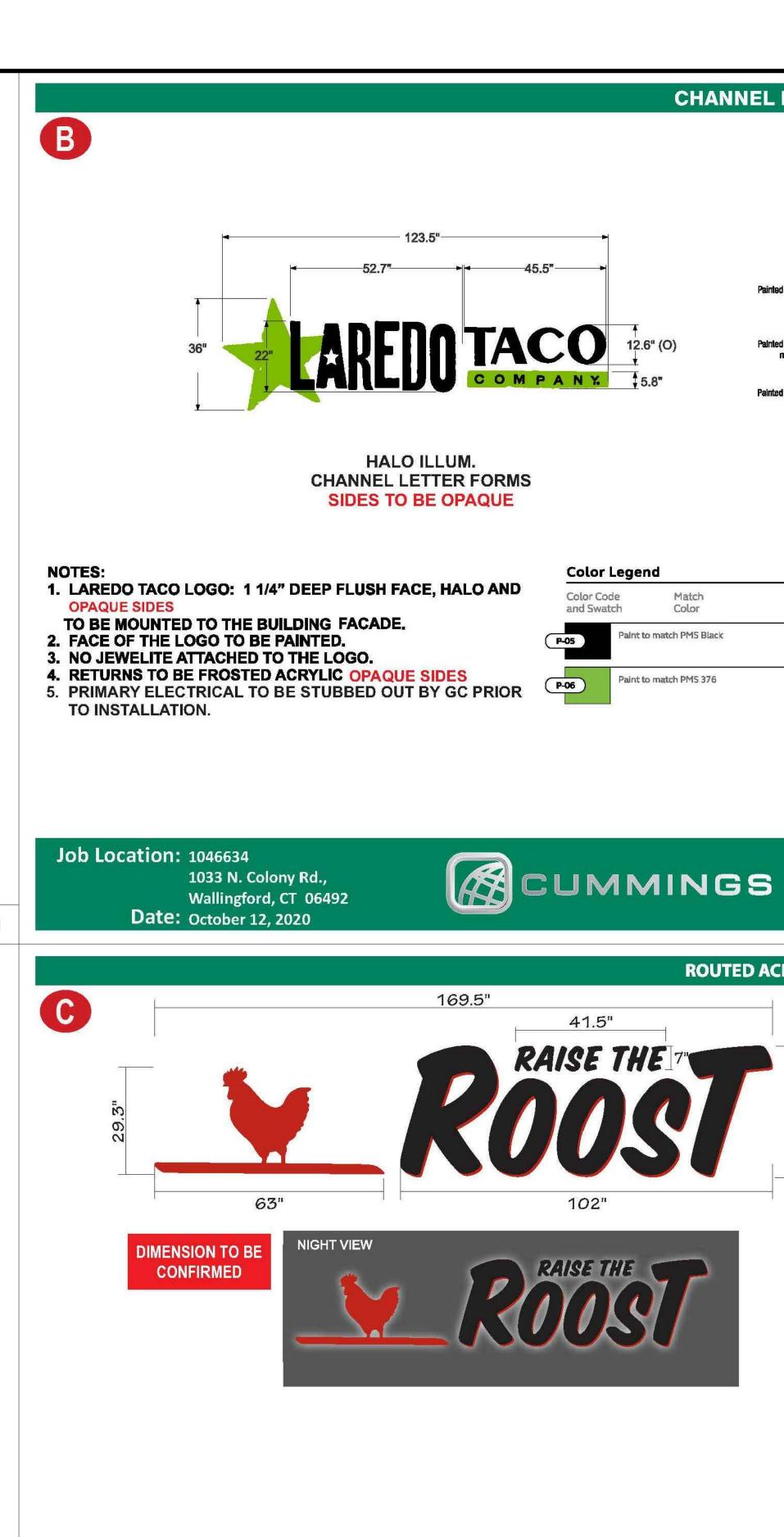
LIGHTING CONSTRUCTION **DETAILS**

DRAWING:

C-18

DOS-LED 01/19 page 1 of 4 **GOOSENECK LIGHT FIXTURE 'G' SPECIFICATIONS** NOT TO SCALE







CHANNEL LOGO & LETTER SET (HALO)

1 1/4" >

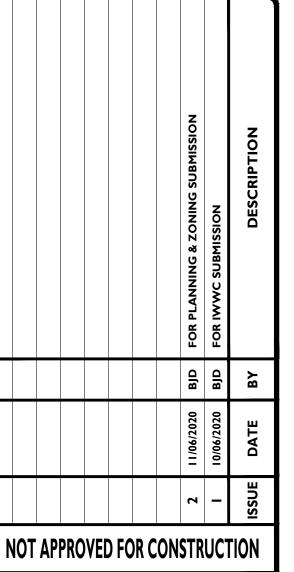
- OPAQUE RETURNS

Pin mounts to be determined

Painted aluminum face to match PMS 376C

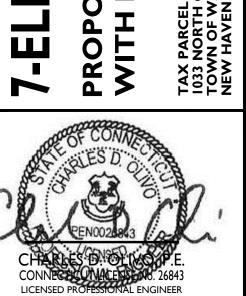
Painted aluminum face to match PMS Black C

Painted aluminum face to match PMS 376C



STONEFIEL engineering & design

PROI WIT





SCALE: AS SHOWN PROJECT ID: B-19007

SIGNAGE **CONSTRUCTION DETAILS**

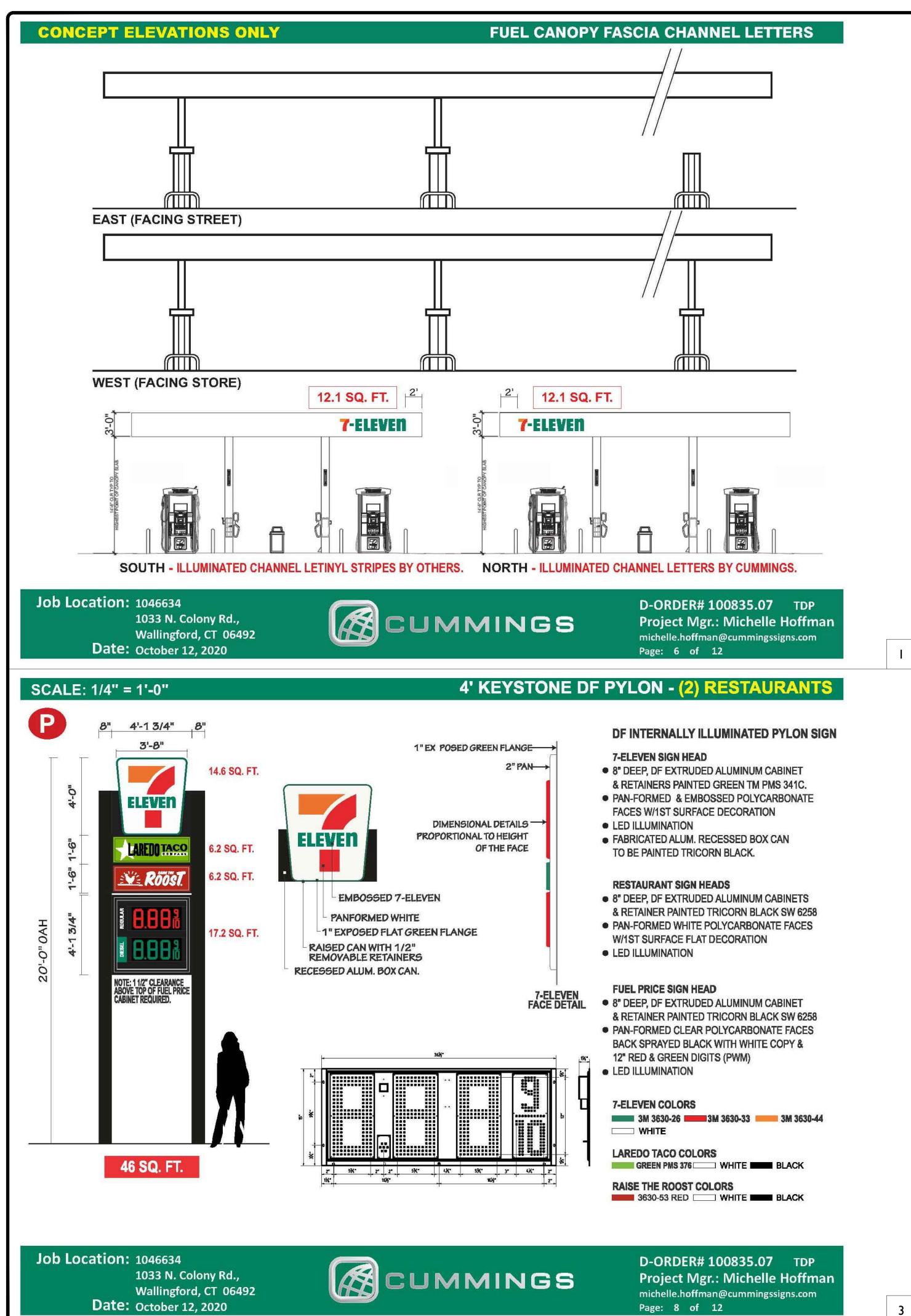
DRAWING:

Job Location: 1046634

1033 N. Colony Rd., Wallingford, CT 06492 Date: October 12, 2020



D-ORDER# 100835.07 TDP Project Mgr.: Michelle Hoffman michelle.hoffman@cummingssigns.com Page: 5 of 12



INTERNALLY ILLUM. REMOTE CHANNEL LETTERS - CUSTOM SIZE



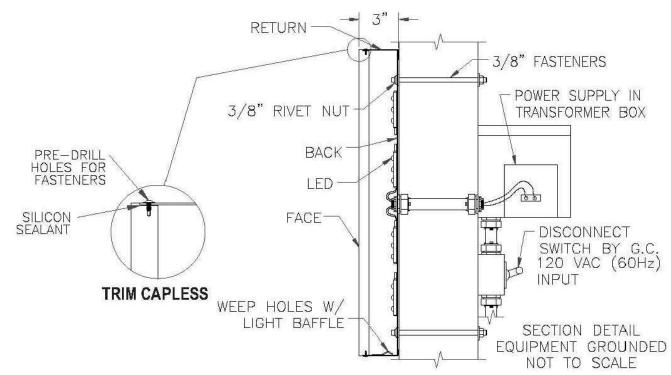
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COLOR NOTES: (PAINT INTERIOR SURFACES OF LETTERS W/ LEP) BACKS: 3mm WHITE ACM FACES: .750" PLAIN CLEAR ACRYLIC W/1ST SURFACE TRANSLUCENT VINYL: "7": TOP OF "7" ORANGE 3630-44, BOTTOM OF "7" 3630-33 RED, WHITE STRIPE "- ELEVEN": 3630-26 GREEN 2ND SURFACE: 3635-30 WHITE DIFFUSER RETURNS: .040" X 3.3" ALUMINUM COIL, PAINT TO MATCH FACE COLORS: PMS 021 ORANGE, PMS 485 RED & PMS 349 GREEN TRADEMARK: .125" ALUM, PAINTED WHITE W/ 3630-26 GREEN FILM ILLUMINATION: FACE LIT WITH GE GEMX2471-1 WHITE LEDS

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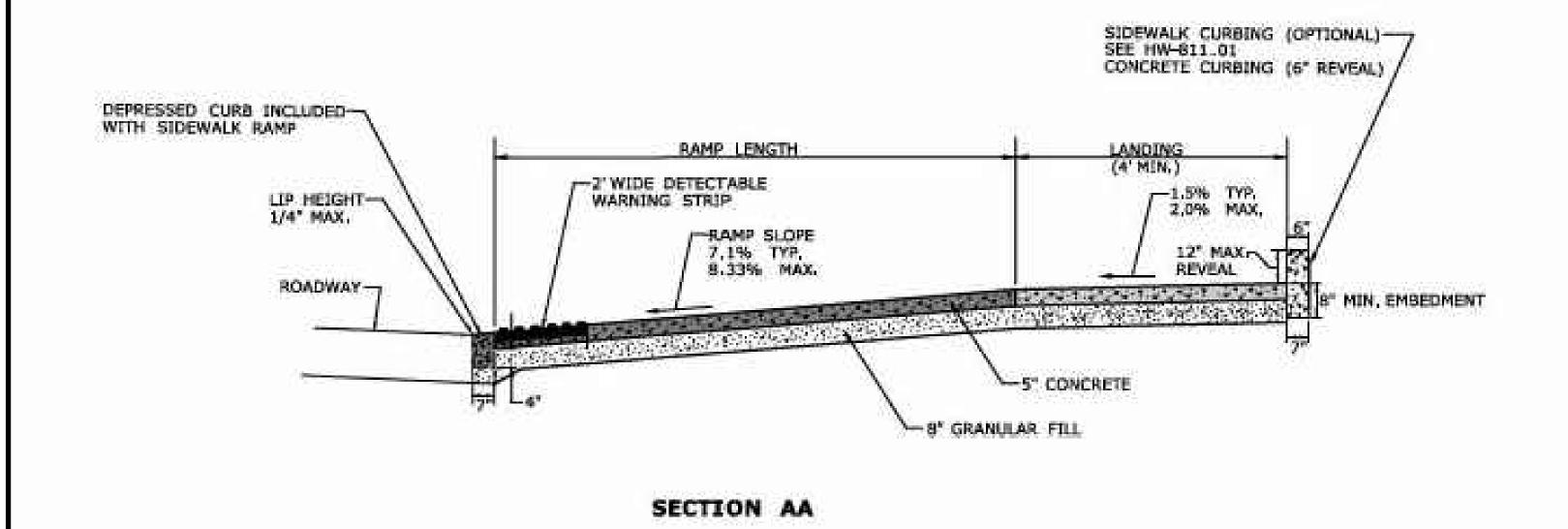
SCALE: AS SHOWN PROJECT ID: B-19007

SIGNAGE **CONSTRUCTION**

DETAILS

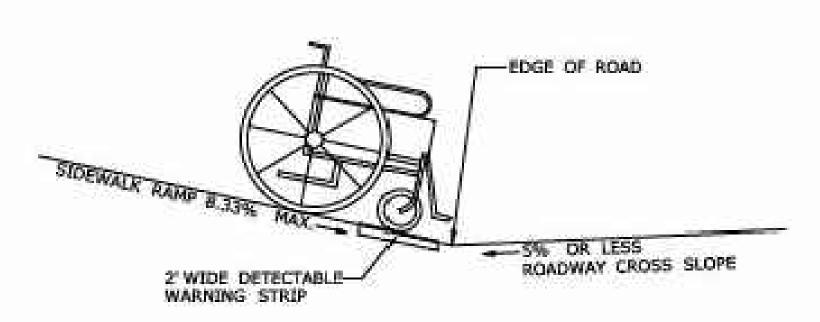
DRAWING:

CURBING-LANDING 1.5% TYP. 2.0% MAX. SLOPED CURBING INCLUDED-WITH RAMP (TYP.) 2' WIDE DETECTABLE-WARNING STRIP LIP HEIGHT-1/4" MAX, PERPENDICULAR SIDEWALK RAMP

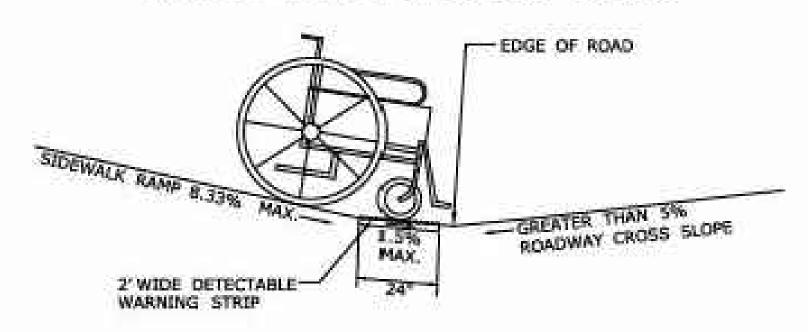


GENERAL NOTESI

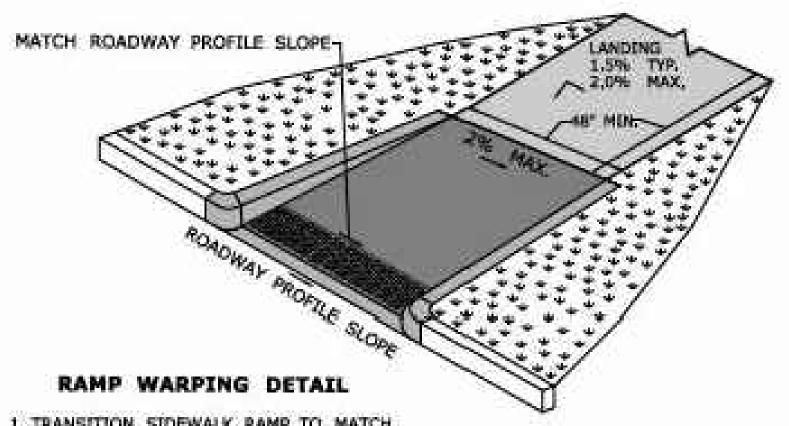
- 1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRAVERSE TO THE SLOPE OF THE RAMP.
- 2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED 1/4 INCH.
- 3 REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
- 4, THE RUNNING SLOPE OF THE CURB RAMP SHALL BE 8,3 PERCENT MAXIMUM BUT SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET.



SIDEWALK RAMP GRADE AT ROADWAY CROSS SLOPE OF 5% OR LESS



SIDEWALK RAMP GRADE AT ROADWAY CROSS SLOPE OF GREATER THAN 5%



- 1. TRANSITION SIDEWALK RAMP TO MATCH ROADWAY PROFILE AS GRADUALLY AS POSSIBLE, DO NOT EXCEED 3 % PER FOOT CROSS SLOPE RATE OF CHANGE WHEN TRANSITIONING TO ROADWAY PROFILE.
- COMPLETE TRANSITION TO ROADWAY PROFILE BEHIND DETECTABLE WARNING SURFACE.

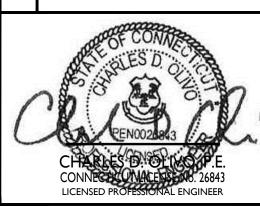
DESIGN INITIATED CHANGE ORDER NO. Y - mm/dd/yy

SOLONY R	REVISED MAX LANDING SLOPE TO 2% AND DRAWING TITLE	8	THE IMPORNATION DECLUDENC ESTIMATED	DESIGNEN/DIAMEN		SIGNATURE/ BLOCK!	FRANCE TITLE:		TOWAL	PROJECT NO.
нти октн			SHIPTE IN GARRIS ON LIMITED INVESTIGATIONS BY THE STATE AND IS	DISCHOOL BY:	STATE OF CONNECTICUT	OFFICE OF ENGINEERING		7	30 4 6	DRAWING NO.
SVEN - 1033 N		<u> </u>	THE CONSTITUTES OF ACTUAL COARTITIES OF WORK WHICH WILL SE REQUIRED.		DEPARTMENT OF TRANSPORTATION			754 754	CONCRETE SIDEWALK RAMPS SHEET 1	SHEET NO.
HING I DATE	REVISION DESCRIPTION	SHOUT NO.	Modest Cosc 6/11/2019		Ricewest -ACTOOTLEGGHERFLGD (\$438-05).654				RAMPS SHEET I	

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SCALE: AS SHOWN PROJECT ID: B-19007

CTODT CONSTRUCTION **DETAILS**

DRAWING:

