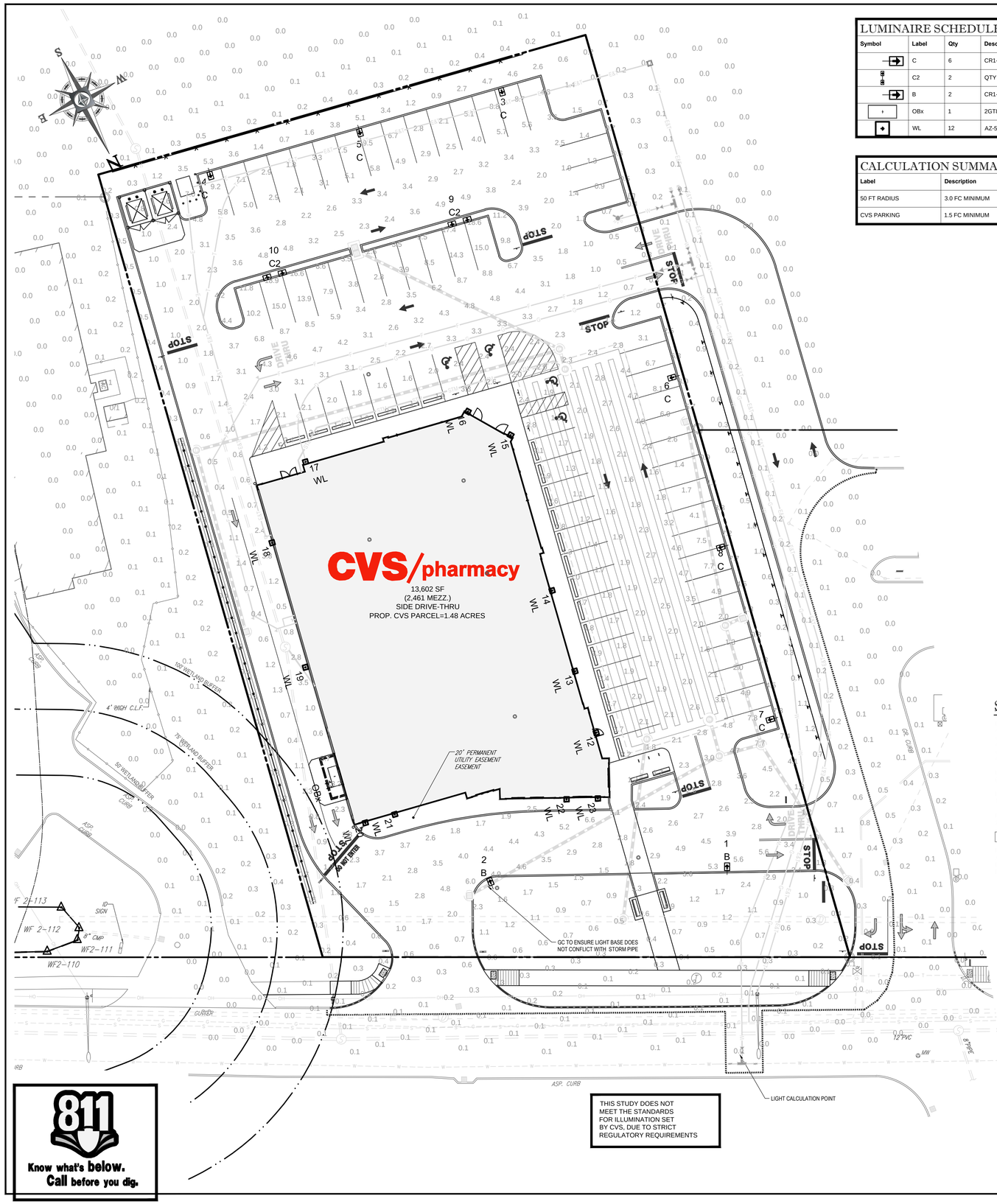


THIS STUDY DOES NOT MEET THE STANDARDS FOR ILLUMINATION SET BY CVS, DUE TO STRICT REGULATORY REQUIREMENTS

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

LUMINAIRE SCHEDULE

Symbol	Label	Qty	Description	Arrangement	Lum. Watts	Cutoff Class	Lumens/Lamp	LLD	LDD	BF	LLF	Filename
	C	6	CR1-P32-H4-HS (Hubbell Ltg)	SINGLE	365	Full Cutoff	30000	0.800	0.950	0.950	0.722	CR1-P32-H4-HS.IES
	C2	2	QTY 2 - CR1-P32-H4-HS (Hubbell Ltg)	ROTATED OPTICS	365	Full Cutoff	30000	0.800	0.950	0.950	0.722	CR1-P32-H4-HS.IES
	B	2	CR1-P32-H3-HS (Hubbell Ltg)	SINGLE	365	Full Cutoff	30000	0.800	0.950	0.950	0.722	CR1-P32-H3-HS.IES
	OBx	1	2GT8 2 32 A12 120 ADDE	SINGLE	58	Full Cutoff	3100	0.950	0.900	0.880	0.752	2GT8_2_32_A12_120_ADDE.ies
	WL	12	AZ-5L-LED75-4K-(2)EBU-BB-CTB-BZ	SINGLE	77.3	N.A.	N.A.	0.950	0.950	1.000	0.903	T31177.IES

CALCULATION SUMMARY

Label	Description	Units	Avg	Max	Min	Avg/Min	Max/Min
50 FT RADIUS	3.0 FC MINIMUM	Fc	2.41	4.8	0.6	4.02	8.00
CVS PARKING	1.5 FC MINIMUM	Fc	3.78	18.9	0.6	6.30	31.50

POLE SPEC FOR CIMARRON:

SINGLE FIXTURE
SSS-XX-XX-X-A2-XX

TWIN FIXTURE 180 DEGREE APART
SSS-XX-XX-X-C2-XX

FOR PRICING CONTACT

NESCO
40 Hudson Rd
Canton, MA 02021
Tel: 781-828-9494
Fax: 781-575-1398
E-Mail: CVSplans@nescoweb.com

LUMINAIRE LOCATION SUMMARY

LumNo	Label	X	Y	Z *	Orient	Tilt
1	B	518	273	23	164	0
2	B	497	186	23	186	0
3	C	206	273	23	0	0
4	C	206	158	23	0	0
5	C	206	217	23	0	0
6	C	331	308	23	270	0
7	C	466	308	23	270	0
8	C	398	308	23	270	0
9	C2	252	244	23	0	0
10	C2	252	171	23	0	0
11	OBx	441	140.3	9.86	0	0
12	WL	452.5	240.2	10	90	0
13	WL	427.9	238.9	10	90	0
14	WL	396.1	239	10	90	0
15	WL	335.1	240.2	10	135	0
16	WL	322	227.1	10	135	0
17	WL	323.6	162.7	10	180	0
18	WL	349.3	142	10	270	0
19	WL	398.1	142	10	270	0
20	WL	461.2	146.6	10	0	0
21	WL	461.2	158.2	10	0	0
22	WL	473.7	222.4	10	345	0
23	WL	476.7	233.9	10	345	0

* Z = LUMINAIRE MOUNTING HEIGHT A.F.G.

LIGHTING NOTES:

1. THIS LIGHTING PLAN DEPICTS PROPOSED SUSTAINED ILLUMINATION LEVELS CALCULATED USING DATA PROVIDED BY THE NOTED MANUFACTURER. ACTUAL SUSTAINED SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, THE SERVICE LIFE OF EQUIPMENT AND LUMINAIRES AND OTHER RELATED VARIABLE FIELD CONDITIONS.
2. THE LIGHT LOSS FACTORS USED IN THESE LIGHTING CALCULATIONS ARE 0.80 FOR ALL HIGH PRESSURE SODIUM LUMINAIRES AND 0.72 FOR ALL METAL HALIDE LUMINAIRES UNLESS OTHERWISE SPECIFIED. THESE FACTORS ARE INDICATIVE OF TYPICAL LIGHTING INDUSTRY MODELING STANDARDS.
3. THE LIGHTING VALUES AND CALCULATION POINTS DEPICTED ON THIS PLAN ARE ALL ANALYZED ON A HORIZONTAL GEOMETRIC PLANE AT ELEVATION ZERO (GROUND LEVEL) UNLESS OTHERWISE NOTED.
4. THE LUMINAIRES, LAMPS AND LENSES SHALL BE REGULARLY INSPECTED/MAINTAINED TO INSURE THAT THEY FUNCTION PROPERLY. THIS WORK MAY INCLUDE, BUT IS NOT LIMITED TO, VISUAL INSPECTIONS, CLEANING OF LENSES, AND RELAMPING (IF NECESSARY) AT LEAST ONCE EVERY SIX (6) MONTHS.
5. WHERE APPLICABLE, THE EXISTING CONDITION LIGHT LEVELS ILLUSTRATED ARE REPRESENTATIVE OF AN APPROXIMATION UTILIZING LABORATORY DATA FOR SIMILAR FIXTURES, UNLESS ACTUAL FIELD MEASUREMENTS ARE TAKEN WITH A LIGHT METER. DUE TO FACTORS SUCH AS FIXTURE MAINTENANCE, EQUIPMENT TOLERANCES, WEATHER CONDITIONS, ETC., ACTUAL LIGHT LEVELS MAY DIFFER. EXISTING LIGHT LEVELS DEPICTED ON THIS PLAN SHOULD BE CONSIDERED APPROXIMATE.
6. THIS LIGHTING PLAN IS INTENDED TO SHOW THE LOCATIONS AND TYPE OF LUMINAIRES. POWER SYSTEM, CONDUITS, WIRING AND OTHER ELECTRICAL COMPONENTS ARE THE RESPONSIBILITY OF THE ARCHITECT AND/OR LIGHTING CONTRACTOR AS INDICATED IN THE CONSTRUCTION CONTRACT DOCUMENTS. THESE ITEMS SHALL BE INSTALLED AS REQUIRED BY STATE AND LOCAL REGULATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF LIGHTING FIXTURES AND APPURTENANCES IN ACCORDANCE WITH ALL APPLICABLE BUILDING AND ELECTRICAL CODES.
7. ANY LIGHT LOCATIONS THAT CONFLICT WITH DRAINAGE, UTILITIES, OR OTHER STRUCTURES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
8. WHEN A BANK ATM IS INCLUDED IN THE PLAN, THE LIGHTING DESIGN REPRESENTS BOHLER'S UNDERSTANDING AND INTERPRETATION OF THE REGULATORY LIGHTING LEVELS INTENDED BY PUBLISHED STANDARDS.
9. LIGHTING CONTRACTOR TO COORDINATE WITH THE PROJECT ARCHITECT REGARDING POWER SOURCE FROM WITHIN THE BUILDING, AND TIMING DEVICES NECESSARY TO MEET THE DESIGN INTENT.
10. THE LIGHTING CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CONTRACTOR REQUIREMENTS INDICATED IN THE SITE PLAN, INCLUDING BUT NOT LIMITED TO GENERAL NOTES, GRADING AND UTILITY NOTES, SITE SAFETY, AND GOVERNMENTAL REGULATIONS.

SECTION 10.6.3.2

NOTES:
- POWER IS CALCULATED FOR THE LOT
- THERE SHALL BE NO OVERLAPPING ACTIVITY AREAS
- ONLY IMPERVIOUS AREAS SHALL BE COUNTED TOWARD ACTIVITY AREAS
- ACTIVITY AREAS SHALL BE CLEARLY LABELED ON THE SITE PLAN
- A LUMINAIRE MUST BE WITHIN 100' TO BE COUNTED TOWARD AN ACTIVITY AREA

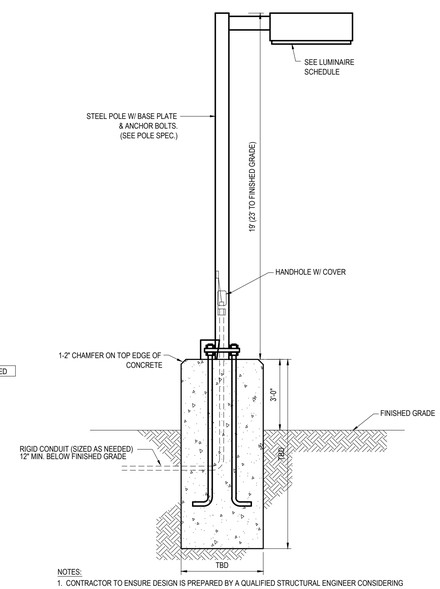
PARKING LOTS, DRIVEWAYS, BIKEWAYS (INCLUDES 5' MARGIN OF GRADE OR LANDSCAPE) @ 0.1 WATTS PER SF
0.1 WATTS/SF x40,429 SF = 4,043 WATTS ALLOWED

DOORS @ 13 WATTS / LF WIDTH OF ALL DOORS + 6 LF PER DOOR
13 WATTS/LF x 4 DOORS x (3 LF OF DOOR WIDTH PER DOOR + 6 LF PER DOOR) = 468 WATTS ALLOWED

RETAIL SALES FRONTAGE @ 20 WATTS PER LF OF SALES FRONTAGE
20 WATTS/LF x 97.2 LF = 1,944 WATTS ALLOWED

TOTAL =6,455 WATTS ALLOWED

LIGHT	WATTS	NUMBER	TOTAL
AREA LIGHTS	365	12	4,380
DRIVE THRU CANOPY	58	1	58
FLOODLIGHT	77.3	12	928
			5,366 PROPOSED



NOTES:
1. CONTRACTOR TO ENSURE DESIGN IS PREPARED BY A QUALIFIED STRUCTURAL ENGINEER CONSIDERING LIGHTING MANUFACTURER REQUIREMENTS, LOCAL WIND LOADS, SITE SPECIFIC SOIL PARAMETERS.
2. ALL REBAR SHALL HAVE A YIELD STRENGTH OF 60ksi, AND MAINTAIN A 3" MIN. CLEARANCE FROM SURFACES.

LIGHT POLE DETAIL

N.T.S.

THIS PLAN TO BE UTILIZED FOR LIGHTING PURPOSES ONLY

20 10 5 0 20
1"= 20'

CVS pharmacy

RELO

STORE NUMBER: 706

400 MASSACHUSETTS AVENUE
ACTON, MA

PROJECT TYPE: RELO
DEAL TYPE: TK

CS PROJECT NUMBER: 65315

ARCHITECT OF RECORD:

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DEVELOPER:

TRB We Build Trust.
TRB DEVELOPMENT GROUP, INC.
36 LONDONDERRY TURNPIKE
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W.D. GOEBEL
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MAINE LICENSE No. 9490
NEW YORK LICENSE No. 071284-1
FLORIDA LICENSE No. 66202

REVISIONS

REV:	DATE:	COMMENT:	BY:
1	07/08/13	REV. PER TOWN STAFF COMMETS	CFD

CHECKED BY: JGS
DRAWN BY: KBS
DATE: 01/25/13
JOB NUMBER: W121033

TITLE:
LIGHTING PLAN

SHEET NUMBER:
12

COMMENTS:
NOT FOR CONSTRUCTION