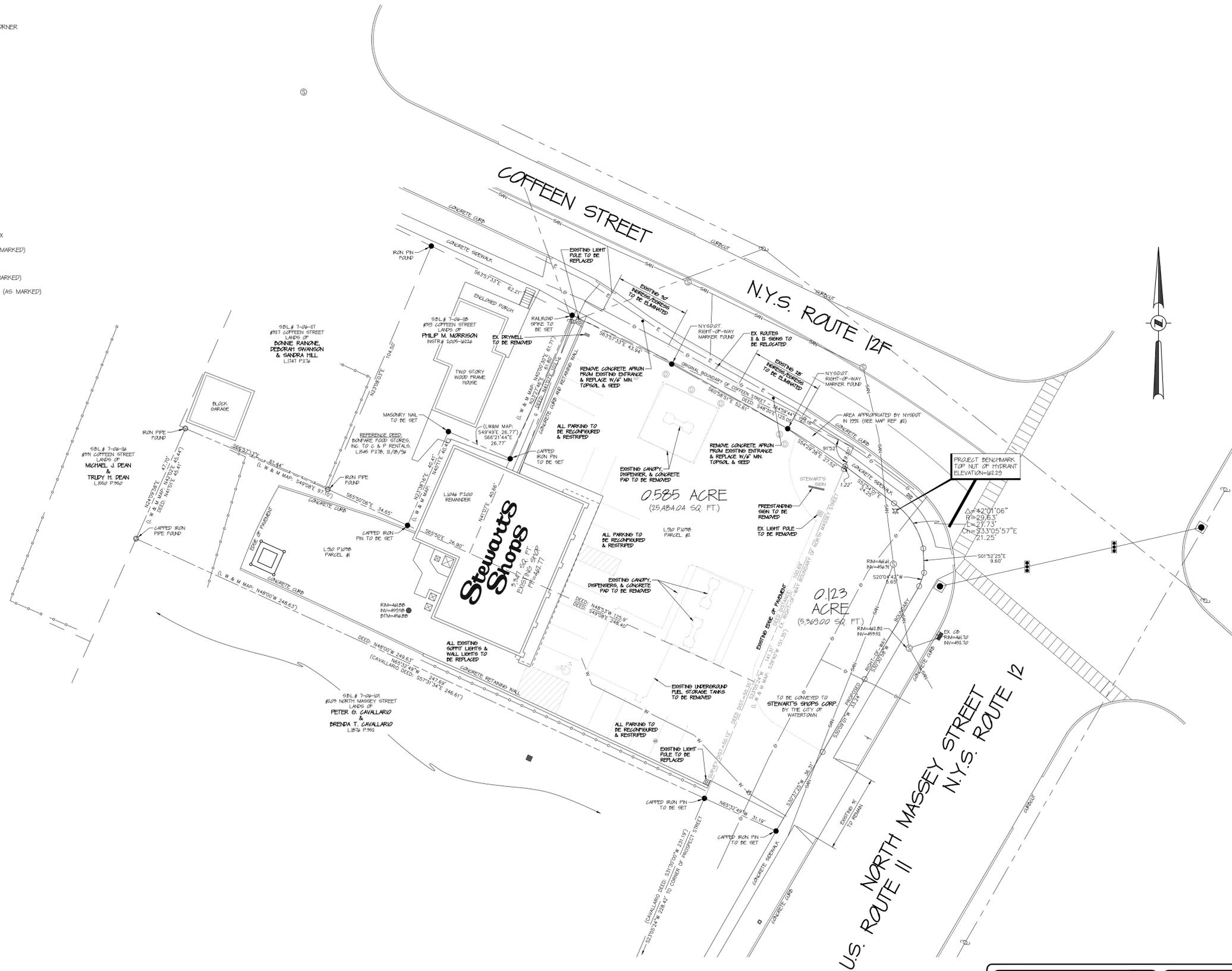


LEGEND:

- IRON PIN
- IRON PIPE
- UNMONUMENTED PROPERTY CORNER
- STOCKADE FENCE
- WIRE FENCE
- CHAIN-LINK FENCE
- ⊙ SANITARY SEWER MANHOLE
- ⊙ STORM SEWER MANHOLE
- CATCH BASIN
- CURB INLET
- ⊕ MONITORING WELL
- ⊙ LIGHTPOLE
- SIGNPOST
- ⊠ HVAC UNIT
- ⊕ FIRE HYDRANT
- ⊕ WATER SHUTOFF
- OVERHEAD UTILITIES
- ⊠ TRAFFIC SIGNAL CONTROL BOX
- UNDERGROUND GAS LINE (AS MARKED)
- WATER LINE (AS MARKED)
- SANITARY SEWER LINE (AS MARKED)
- UNDERGROUND ELECTRIC LINE (AS MARKED)



DEED REFERENCES:

1. SHELL OIL COMPANY TO MERGER'S KWIK-STOP FOOD STORES, INC., DATED AUGUST 19, 1980 AND FILED IN THE JEFFERSON COUNTY CLERK'S OFFICE IN LIBER 310 OF DEEDS AT PAGE 1236
2. WILLIAM D. FOSTER TO MERGER'S KWIK-STOP FOOD STORES, INC., DATED OCTOBER 27, 1984 AND FILED IN THE JEFFERSON COUNTY CLERK'S OFFICE IN LIBER 1246 OF DEEDS AT PAGE 202

MAP REFERENCES:

1. "MAP OF LAND SURVEYED FOR MERGER'S KWIK-STOP FOOD STORES, INC.," DATED JANUARY 28, 1992 BY LAFAYE, WHITE & McGOVERN LAND SURVEYORS, LAST REVISED JUNE 12, 1995.
2. NEW YORK STATE DEPARTMENT OF TRANSPORTATION APPROPRIATION MAP NO. II, PARCEL NO. II FOR NORTH MASSEY STREET, CITY OF WATERTOWN, DATED JULY 17, 1991 AND APPROVED FEBRUARY 24, 1992.

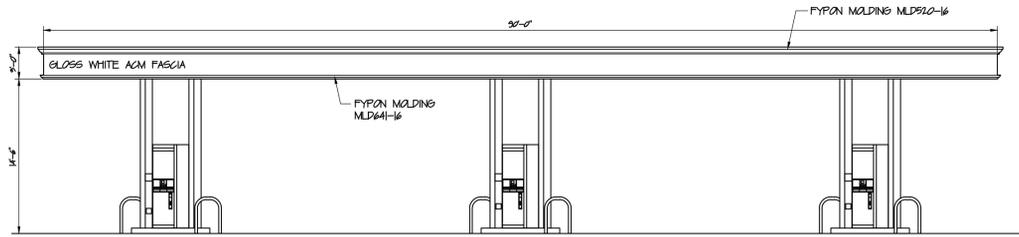
SURVEY NOTES:

1. ORIGINAL STREET BOUNDARIES ARE MAPPED AS BEING 4.0 FEET FROM AND PARALLEL TO, CITY OF WATERTOWN MONUMENTED LINES AS SHOWN ON MAPS OBTAINED FROM CITY ENGINEER'S OFFICE. THE ORIGINAL MONUMENT LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF COFFEEN AND NORTH MASSEY STREETS WAS NOT RECOVERED.
2. ELEVATIONS SHOWN HEREON HAVE BEEN ADJUSTED TO CONFORM TO VERTICAL DATUM UTILIZED BY CITY OF WATERTOWN ENGINEER'S OFFICE ON CITY MONUMENT DRAWINGS. ORIGIN OF THIS DATUM IS UNKNOWN.
3. UNDERGROUND UTILITIES ARE SHOWN HEREON AS THEY WERE MARKED ON THE SURFACE ON THE DATE OF THE FIELD SURVEY AND ARE ONLY AS ACCURATE AS THE MARKINGS.
4. SURVEY IS SUBJECT TO ALL RIGHTS-OF-WAY AND/OR EASEMENTS OF RECORD.
5. CITY OF WATERTOWN TAX MAP ID# 7-06-119, ZONED COMMERCIAL.

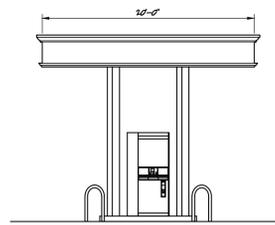
STORE NAME, ABBREVIATION & NO. COFFEEN STREET - COFX - 433	
SITE LOCATION 229 NORTH MASSEY STREET - WATERTOWN, NY	
DATE	REVISIONS
 P.O. BOX 435 SARATOGA SPRINGS, NY 12866 TEL: (518) 881-1202 FAX: (518) 881-1229	
ENGINEER: L.H. Rutland, Jr. P.E. 12 DRUMS ROAD EXT. SCOTIA, NY 12292	DRAWN BY: CP SCALE: 1"=20' DATE: 5/7/10 DRAWING NO: S-1
ALTERNATIONS TO THIS DOCUMENT BY OTHER THAN AN AUTHORIZED LICENSED PROFESSIONAL ENGINEER IS ILLEGAL AND A VIOLATION OF THE NEW YORK STATE EDUCATION LAW	
TITLE: EXISTING SITE/DEMO PLAN	

LEGEND:

- IRON PIN
- IRON PIPE
- UNMANNED PROPERTY CORNER
- STOCKADE FENCE
- WIRE FENCE
- CHAIN-LINK FENCE
- ⊙ SANITARY SEWER MANHOLE
- ⊙ STORM SEWER MANHOLE
- CATCH BASIN
- CURB INLET
- ⊗ MONITORING WELL
- ⊙ LIGHTPOLE
- SIGNPOST
- ⊠ HVAC UNIT
- ⊗ FIRE HYDRANT
- ⊗ WATER SHUTOFF
- OVERHEAD UTILITIES
- ⊠ TRAFFIC SIGNAL CONTROL BOX
- UNDERGROUND GAS LINE (AS MARKED)
- W WATER LINE (AS MARKED)
- SAN SANITARY SEWER LINE (AS MARKED)
- E UNDERGROUND ELECTRIC LINE (AS MARKED)



CANOPY EAST & WEST ELEVATION
SCALE: 1/8" = 1'-0"

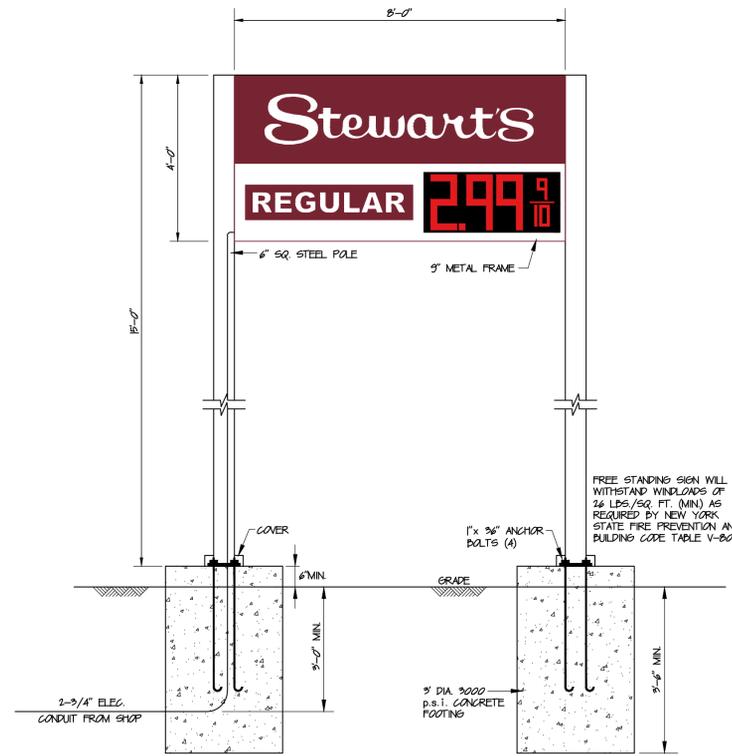
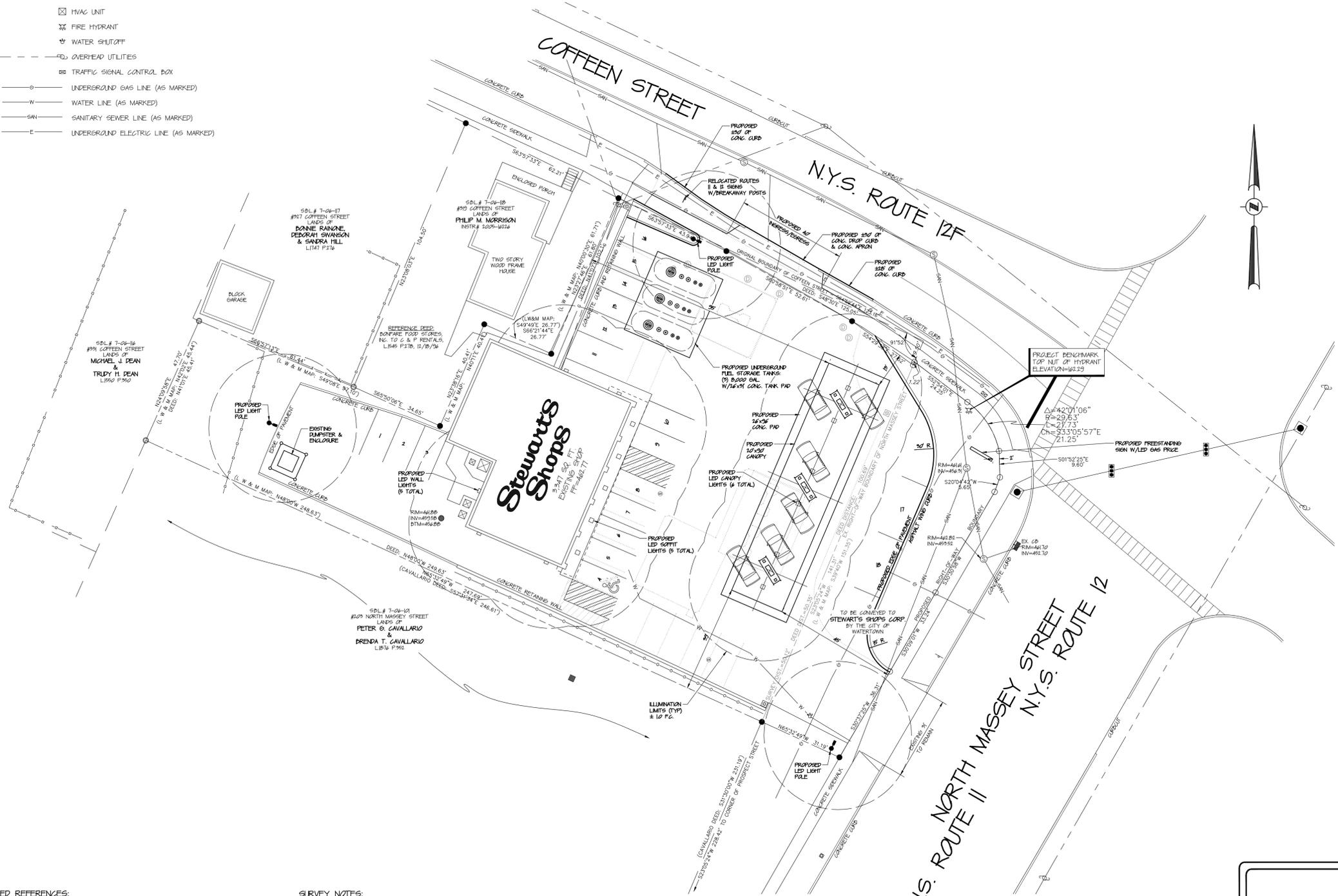


CANOPY NORTH & SOUTH ELEVATION
SCALE: 1/8" = 1'-0"

CITY OF WATERTOWN - JEFFERSON COUNTY, N.Y.

	EXISTING	PROPOSED
MINIMUM LOT AREA	30,253.03 SQ. FT. (0.702 ACRE)	30,253.03 SQ. FT. (0.702 ACRE)
CANOPY SETBACK (NORTH)	6 FEET	13 FEET
CANOPY SETBACK (SOUTH)	50 FEET	33 FEET
CANOPY SETBACK (EAST)	13 FEET	45 FEET
CANOPY SETBACK (WEST)	49 FEET	35 FEET
FREESTANDING SIGN	52 SQ. FT.	1 @ 32 SQ. FT. EA
BUILDING SIGN	1 @ 21 SQ. FT. EA	1 @ 21 SQ. FT. EA
CANOPY SIGN	-	-
TOTAL SIGNAGE	79 SQ. FT.	53 SQ. FT.
PARKING	14	13

EXISTING SITE USAGE DATA	PROPOSED SITE USAGE DATA
GREENSPACE	GREENSPACE
3,773 SQ. FT. 12%	6,390 SQ. FT. 21%
BUILDING	BUILDING
3,353 SQ. FT. 11%	3,353 SQ. FT. 11%
CONCRETE	CONCRETE
2,680 SQ. FT. 9%	3,547 SQ. FT. 12%
PAVEMENT	PAVEMENT
16,047 SQ. FT. 52%	17,223 SQ. FT. 56%



1 FREESTANDING SIGN DETAIL
SCALE: NONE
CROSS REFERENCE: NONE

- SIZE: 4'x8'=32 SQ. FT.
- LETTERS: 1/8" FLEXIGLASS FACE ON 1/2" THICK CAN
- ILLUMINATION: INTERNALLY ILLUMINATED
-WHITE LETTERS
-WINE COLOR BACKGROUND
-16" RED LED GAS PRICE NUMBERS

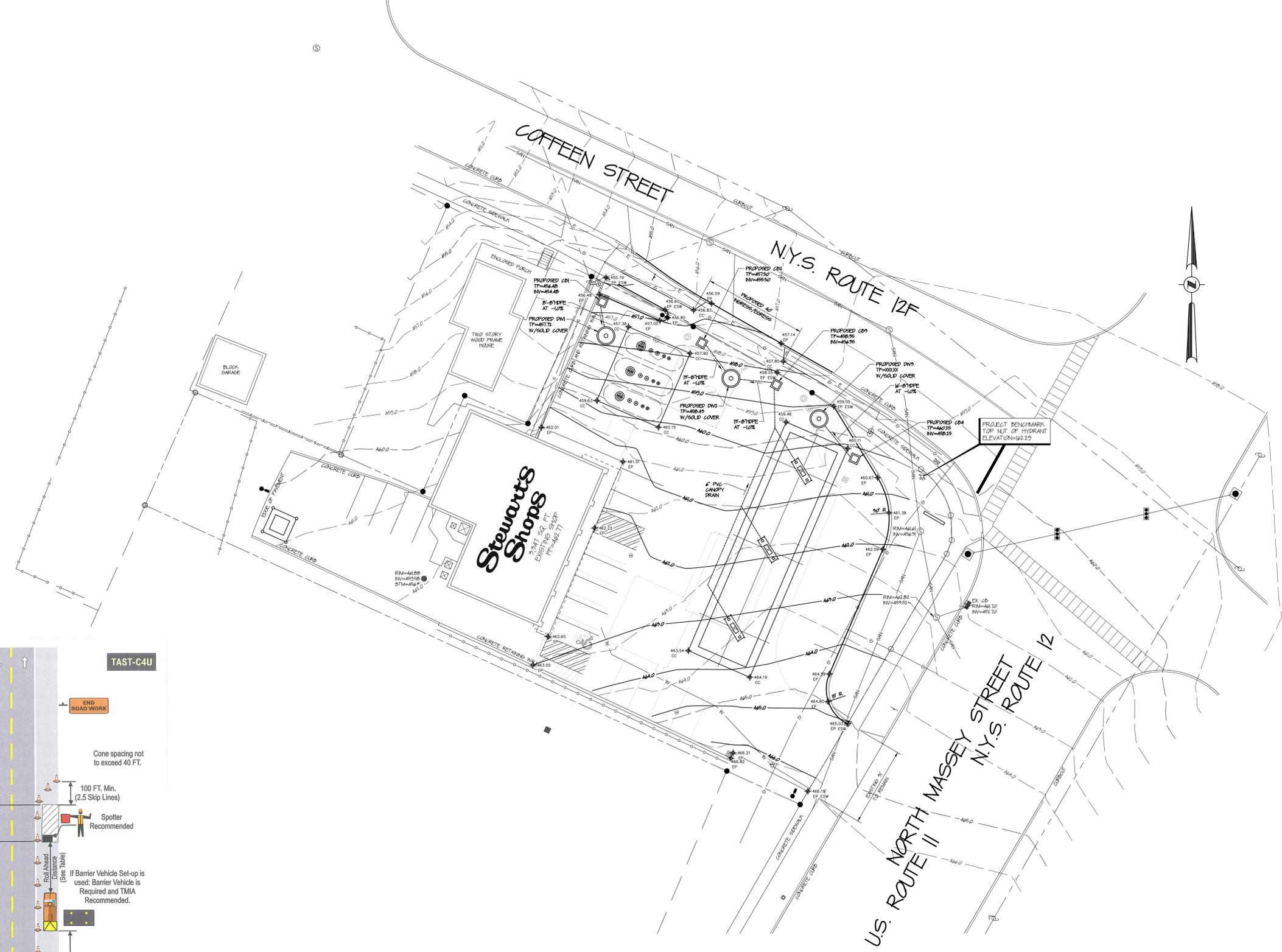
CONSTRUCTION NOTES:
ALL WORK TO BE PERFORMED WITHIN THE CITY OF WATERTOWN MARGIN WILL REQUIRE SIGN-OFF FROM A PROFESSIONAL ENGINEER, LICENSED AND CURRENTLY REGISTERED TO PRACTICE IN THE STATE OF NEW YORK, THAT THE WORK WAS BUILT ACCORDING TO THE APPROVED SITE PLAN AND APPLICABLE CITY OF WATERTOWN STANDARDS. COMPACTION TESTING WILL BE REQUIRED FOR ALL WORK TO BE PERFORMED WITHIN THE CITY OF WATERTOWN MARGIN AND MUST BE SUBMITTED TO THE CITY OF WATERTOWN CODES DEPARTMENT.

- DEED REFERENCES:**
- SHELL OIL COMPANY TO MERGER'S KWIK-STOP FOOD STORES, INC., DATED AUGUST 19, 1980 AND FILED IN THE JEFFERSON COUNTY CLERK'S OFFICE IN LIBER 310 OF DEEDS AT PAGE 1236
 - WILLIAM B. FOSTER TO MERGER'S KWIK-STOP FOOD STORES, INC., DATED OCTOBER 27, 1984 AND FILED IN THE JEFFERSON COUNTY CLERK'S OFFICE IN LIBER 1246 OF DEEDS AT PAGE 222
- MAP REFERENCES:**
- "MAP OF LAND SURVEYED FOR MERGER'S KWIK-STOP FOOD STORES, INC.", DATED JANUARY 28, 1992 BY LAFAYE, WHITE & McGUIRE LAND SURVEYORS, LAST REVISED JUNE 12, 1995
 - NEW YORK STATE DEPARTMENT OF TRANSPORTATION APPROPRIATION MAP NO. II, PARCEL NO. II FOR NORTH MASSEY STREET, CITY OF WATERTOWN, DATED JULY 17, 1991 AND APPROVED FEBRUARY 24, 1992

- SURVEY NOTES:**
- ORIGINAL STREET BOUNDARIES ARE MAPPED AS BEING 40 FEET FROM AND PARALLEL TO CITY OF WATERTOWN MONUMENTED LINES AS SHOWN ON MAPS OBTAINED FROM CITY ENGINEER'S OFFICE. THE ORIGINAL MONUMENT LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF COFFEEN AND NORTH MASSEY STREETS WAS NOT RECOVERED.
 - ELEVATIONS SHOWN HEREON HAVE BEEN ADJUSTED TO CONFORM TO VERTICAL DATUM UTILIZED BY CITY OF WATERTOWN ENGINEER'S OFFICE ON CITY MONUMENT DRAWINGS. ORIGIN OF THIS DATUM IS UNKNOWN.
 - UNDERGROUND UTILITIES ARE SHOWN HEREON AS THEY WERE MARKED ON THE SURFACE ON THE DATE OF THE FIELD SURVEY AND ARE ONLY AS ACCURATE AS THE MARKINGS.
 - SURVEY IS SUBJECT TO ALL RIGHTS-OF-WAY AND/OR EASEMENTS OF RECORD.
 - CITY OF WATERTOWN TAX MAP 10# 7-06-119, ZONED COMMERCIAL.

STORE NAME, ABBREVIATION & NO. COFFEEN STREET - COFX - 433	
SITE LOCATION 229 NORTH MASSEY STREET - WATERTOWN, NY	
DATE 10/20/10	REVISIONS CITY OF WATERTOWN COMMENTS
 P.O. BOX 435 SARATOGA SPRINGS, NY 12866 TEL: (518) 881-1202 FAX: (518) 881-1203	
ENGINEER: L.H. Rutland, Jr. PE 12 DRUMS ROAD EXT. SCOTIA, NY 12282	DRAWN BY: CP SCALE: 1"=10' DATE: 5/7/10 DRAWING NO: 5-2
ALTERNATIONS TO THIS DOCUMENT BY OTHER THAN AN AUTHORIZED LICENSED PROFESSIONAL ENGINEER IS ILLEGAL AND A VIOLATION OF THE NEW YORK STATE EDUCATION LAW	
TITLE: PROPOSED SITE PLAN	

- LEGEND:**
- IRON PIN
 - IRON PIPE
 - UNMANICURED PROPERTY CORNER
 - STOCKADE FENCE
 - WIRE FENCE
 - CHAIN-LINK FENCE
 - ⊙ SANITARY SEWER MANHOLE
 - ⊙ STORM SEWER MANHOLE
 - CATCH BASIN
 - CURB INLET
 - ⊕ MONITORING WELL
 - ⊙ LIGHTPOLE
 - SIGNPOST
 - ⊠ HVAC UNIT
 - ⊠ FIRE HYDRANT
 - ⊕ WATER SHUTOFF
 - OVERHEAD UTILITIES
 - ⊠ TRAFFIC SIGNAL CONTROL BOX
 - UNDERGROUND GAS LINE (AS MARKED)
 - WATER LINE (AS MARKED)
 - SANITARY SEWER LINE (AS MARKED)
 - UNDERGROUND ELECTRIC LINE (AS MARKED)

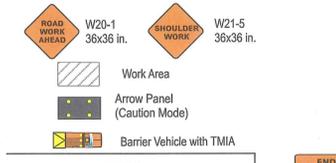


URBAN HIGHWAY

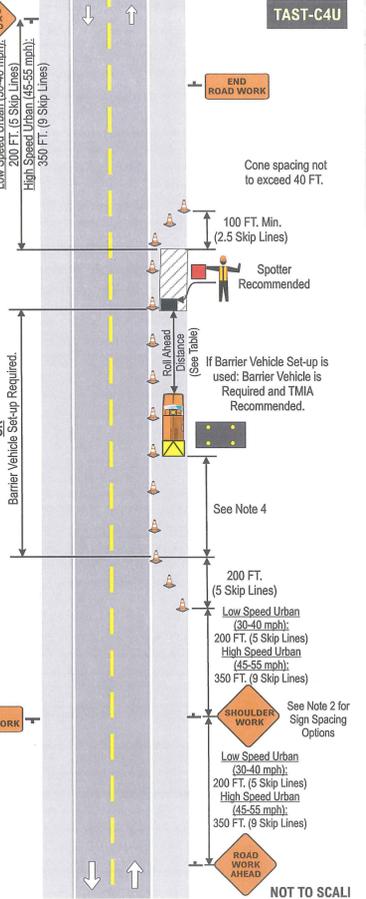
- Notes:**
- Short-term stationary is daytime work that occupies a location for more than 1 hour within a single daylight period.
 - In urban conditions, advance warning sign spacing may be reduced (100 FT. Min.) in order to accommodate side streets and driveways.
 - The barrier vehicle shall be an unoccupied large dump truck, with the parking brake set and with the front wheels turned away from the employees in the work area.
 - There shall be no workers, equipment, or other vehicles in the buffer space or the roll ahead distance.
 - Any buffer distance provided in advance of the barrier vehicle set-up will add to the safety of the work area. The buffer space is from the end of the lane taper to the beginning of the work area.
 - State Law signs (NYR9-11 or NYR9-12) are optional if the anticipated work duration is less than 4 hours. If used, State Law sign to be placed 300-500 FT. in advance of initial warning sign.

Speed Limit (Mph)	Buffer Space	Roll Ahead Distance
30	200' (5 Skip Lines)	40' (1 Skip Line)
35	250' (~6 Skip Lines)	40' (1 Skip Line)
40	305' (~8 Skip Lines)	40' (1 Skip Line)
45	360' (9 Skip Lines)	80' (2 Skip Lines)
50	425' (~11 Skip Lines)	80' (2 Skip Lines)
55	495' (~13 Skip Lines)	80' (2 Skip Lines)

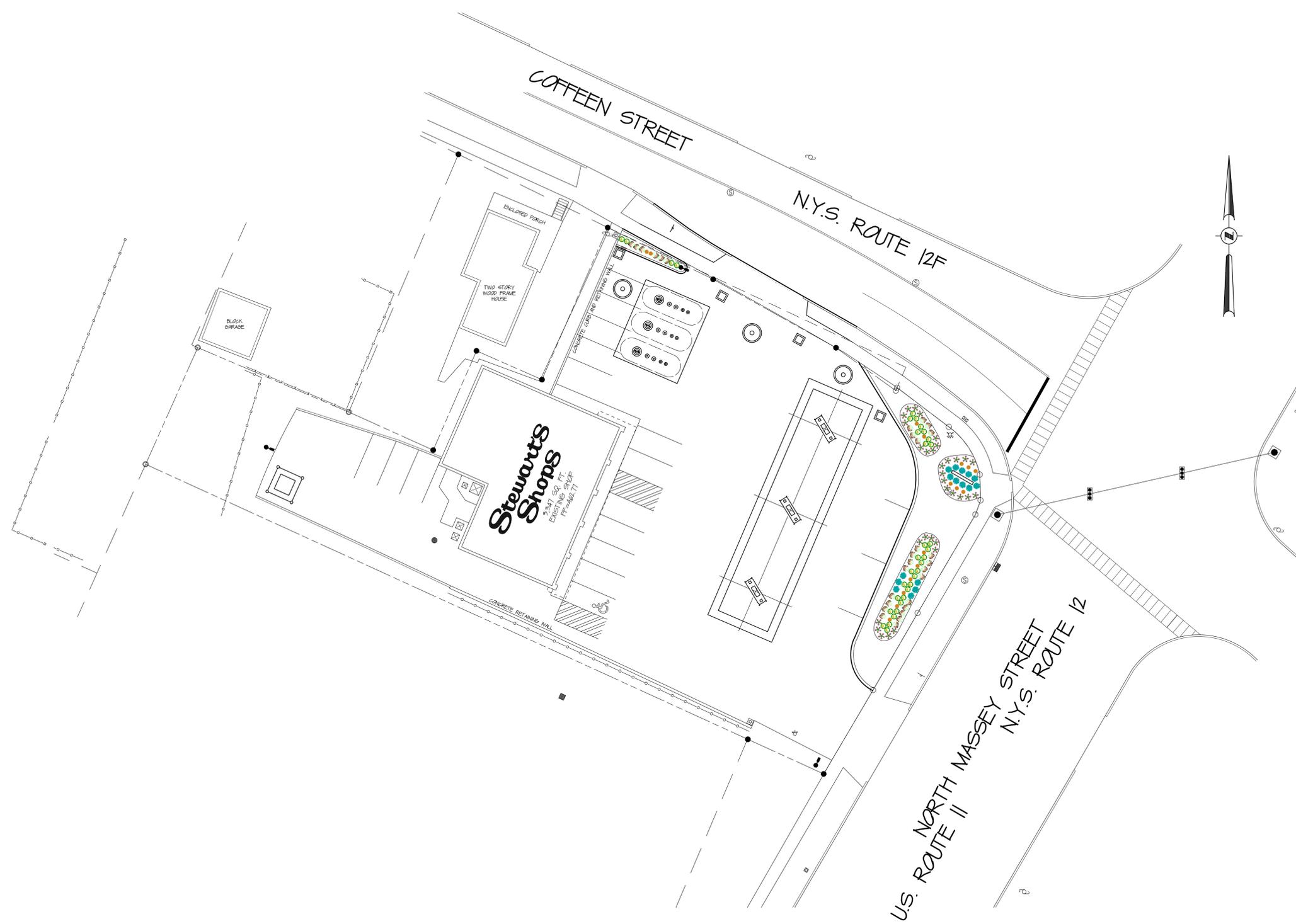
END ROAD WORK G20-2 36x18 in. This sign shall be located a Maximum distance of 500' (12 Skip Lines) past the work area.



NYSDOT WORK ZONE TRAFFIC CONTROL
SHORT-TERM STATIONARY OPERATION INVOLVING SHOULDER CLOSURE (PAVED SHOULDER 8 FT. OR WIDER) ON URBAN TWO-LANE CONVENTIONAL HIGHWAY
 FEBRUARY 2009 TAST-C4U



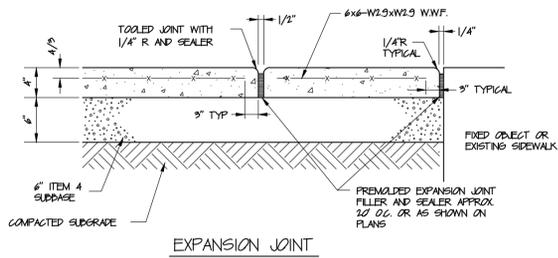
STORE NAME, APPROXIMATION & NO. COFFEE STREET - COFX - 433	
SITE LOCATION 229 NORTH MASSEY STREET - WATERTOWN, NY	
DATE	REVISIONS
P.O. BOX 435 SARATOGA SPRINGS, NY 12866 TEL: (518) 881-1202 FAX: (518) 881-1203	
ENGINEER: L.H. Rutland, Jr., P.E. 12 DRUMS ROAD EXT. SCOTIA, NY 12592	DRAWN BY: CP SCALE: 1"=20' DATE: 5/7/10 DRAWING NO.: S-3
ALTERNATIONS TO THIS DOCUMENT BY OTHER THAN AN AUTHORIZED LICENSED PROFESSIONAL ENGINEER IS ILLEGAL AND A VIOLATION OF THE NEW YORK STATE EDUCATION LAW	
TITLE: GRADING PLAN	



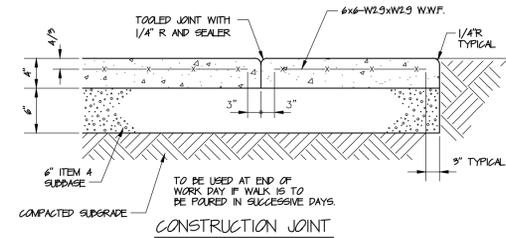
PLANT LIST

	APRV	BOTANICAL NAME	COMMON NAME	QTY	SIZE	SPACING
PERENNIALS	HS	HEMEROCALLIS 'STELLA DE ORO'	DAYLILY - STELLA DE ORO	29	2 GAL	AS SHOWN
	RF	RUDBECKIA FULGIDA	BLACK-EYED SUSAN	34	2 GAL	AS SHOWN
	SN	SALVIA NEMOROSA 'MAYNIGHT'	SALVIA - MAY NIGHT	32	1 GAL	AS SHOWN
	LK	LIATRIS 'KOBOLD GAYFEATHER'	BLAZING STAR - KOBOLD GAYFEATHER	16	2 GAL	AS SHOWN
	PP	PENNISETUM PIGLET	GRASS - PIGLET FOUNTAIN	16	2 GAL	AS SHOWN

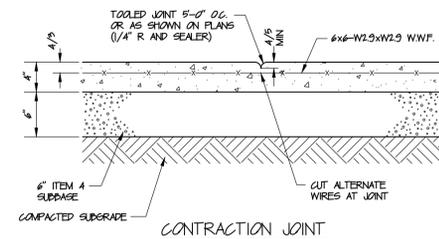
	STORE NAME, ABBREVIATION & NO.		COFFEEN STREET - COFX - 433	
	SITE LOCATION		229 NORTH MASSEY STREET - WATERTOWN, NY	
	DATE	REVISIONS	 <small>P.O. BOX 435 SARATOGA SPRINGS, NY 12866 TEL: (518) 881-1200 FAX: (518) 881-1209</small>	
	ENGINEER: LH Rutland, Jr. PE 12 DRUMS ROAD EXT. SCOTIA, NY 12227			
ALTERNATIONS TO THIS DOCUMENT BY OTHER THAN AN AUTHORIZED LICENSED PROFESSIONAL ENGINEER IS ILLEGAL AND A VIOLATION OF THE NEW YORK STATE EDUCATION LAW		DRAWING NO.	S-4	
		TITLE: LANDSCAPING PLAN		



EXPANSION JOINT



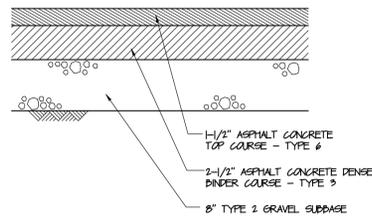
CONSTRUCTION JOINT



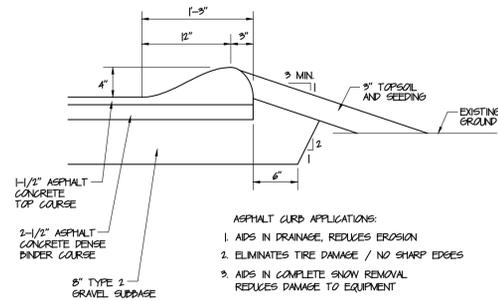
CONTRACTION JOINT

- NOTES:
1. ALL EXPOSED SURFACES TO HAVE BROOMED TEXTURE.
 2. JOINTS SHALL NOT BE SAW CUT.
 3. WHERE IT IS ANTICIPATED THAT A CONCRETE SURFACE WILL HAVE SALT OR CALCIUM CHLORIDE APPLIED, THAT SURFACE SHALL BE TREATED WITH AN APPROVED WATER PROOFING MATERIAL.
 4. THICKNESS OF SIDEWALK (D) TO BE 6" AT DRIVEWAY CROSSINGS AND 4" AT ALL OTHER LOCATIONS.
 5. CONCRETE MIX TO BE 5000 P.S.I.

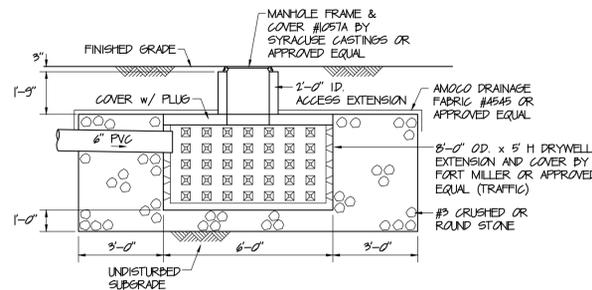
1 CONCRETE SIDEWALK DETAIL
SCALE: NONE
CROSS REFERENCE: NONE



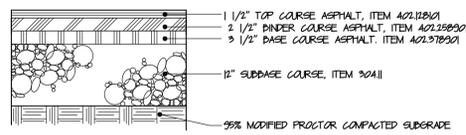
2 PARKING LOT PAVEMENT SCHEDULE
SCALE: NONE
CROSS REFERENCE: NONE



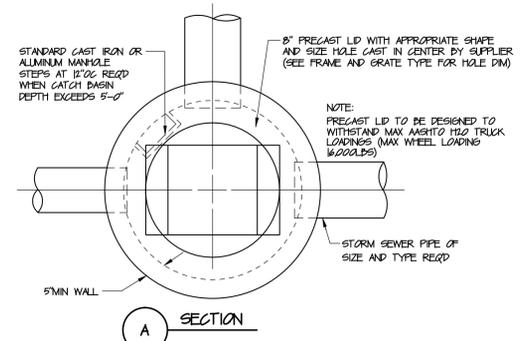
3 ASPHALT CURB DETAIL
SCALE: NONE
CROSS REFERENCE: NONE



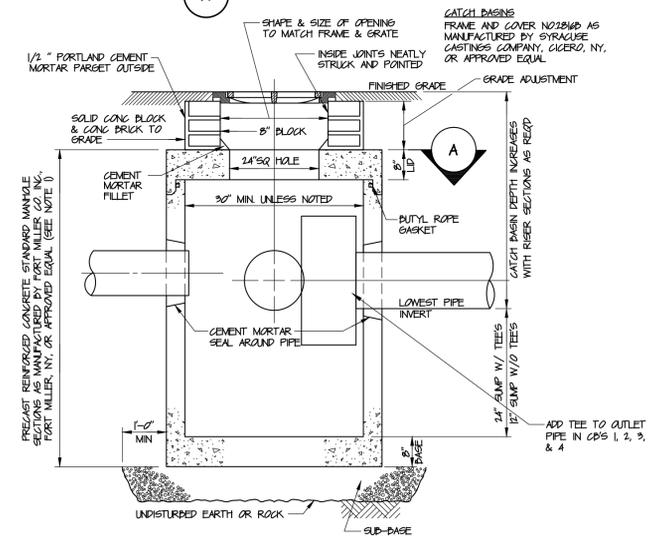
4 DRYWELL DETAIL
SCALE: NONE
CROSS REFERENCE: NONE



5 TYPICAL D.O.T. PAVEMENT SECTIONS
SCALE: NONE
CROSS REFERENCE: NONE



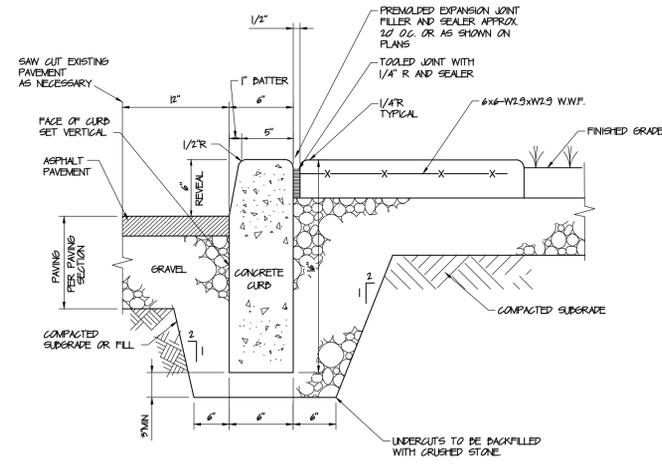
A SECTION



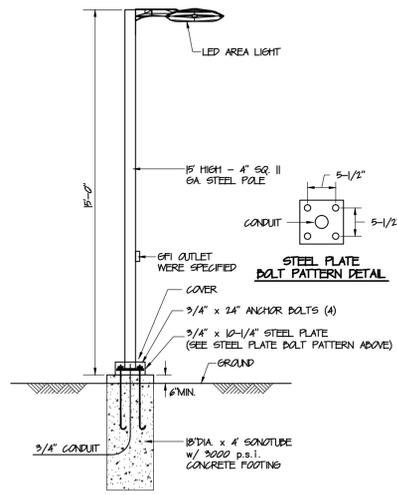
TYPICAL SECTION

- NOTE:
- A SQUARE OR RECTANGULAR PRECAST REINFORCED CONCRETE STRUCTURE MAY BE SUBSTITUTED IF CONDITIONS ALLOW.
 - ALTERNATE - CAST IN PLACE REINFORCED CONCRETE AS REQ'D BY SPECIFICATIONS OR ADE ALLOW.

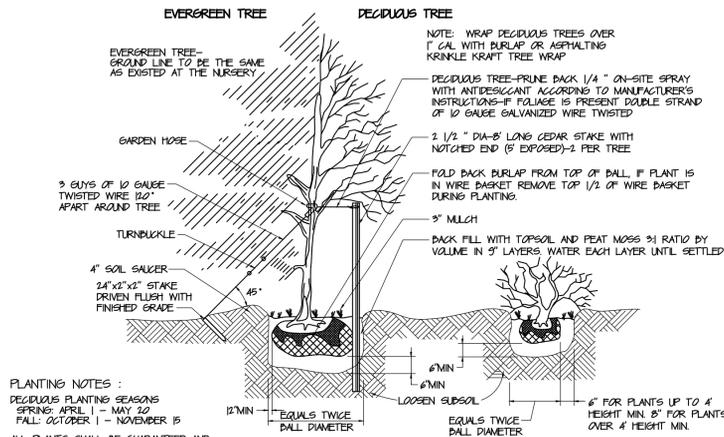
5 PRECAST CONCRETE DRAINAGE CATCH BASIN
SCALE: NONE
CROSS REFERENCE: NONE



6 CAST IN PLACE CONCRETE CURBING AT SIDEWALK
SCALE: NONE
CROSS REFERENCE: NONE

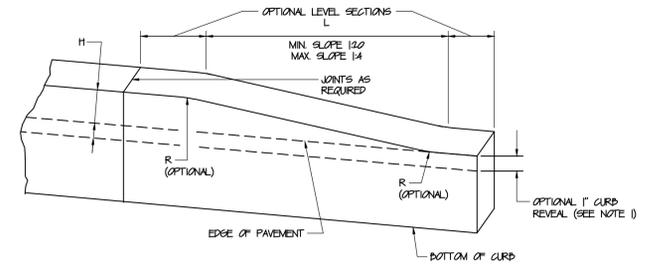


7 LIGHT POLE DETAIL
SCALE: NONE
CROSS REFERENCE: NONE



- PLANTING NOTES:
- DECIDUOUS PLANTING SEASONS: SPRING: APRIL 1 - MAY 20; FALL: OCTOBER 1 - NOVEMBER 15
 - ALL PLANTS SHALL BE GUARANTEED AND MAINTAINED FOR A PERIOD OF 1 YEAR AFTER BEING PROPERLY PLANTED.
 - REPLACEMENT PLANTS SHALL BE PLANTED IN CONFORMANCE WITH THE SAME SPECIFICATIONS AS THE ORIGINAL PLANTS.

8 PLANTING DETAIL
SCALE: NONE
CROSS REFERENCE: NONE

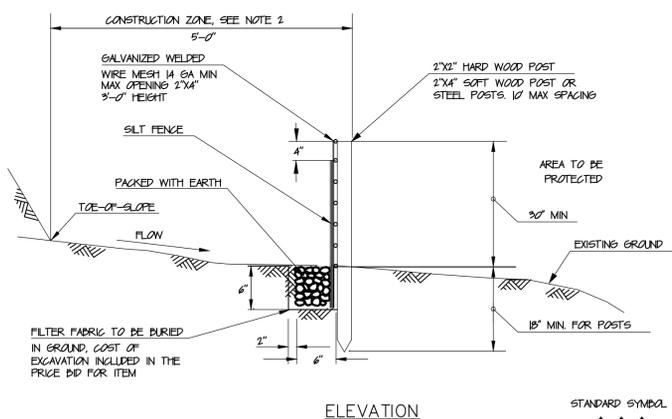
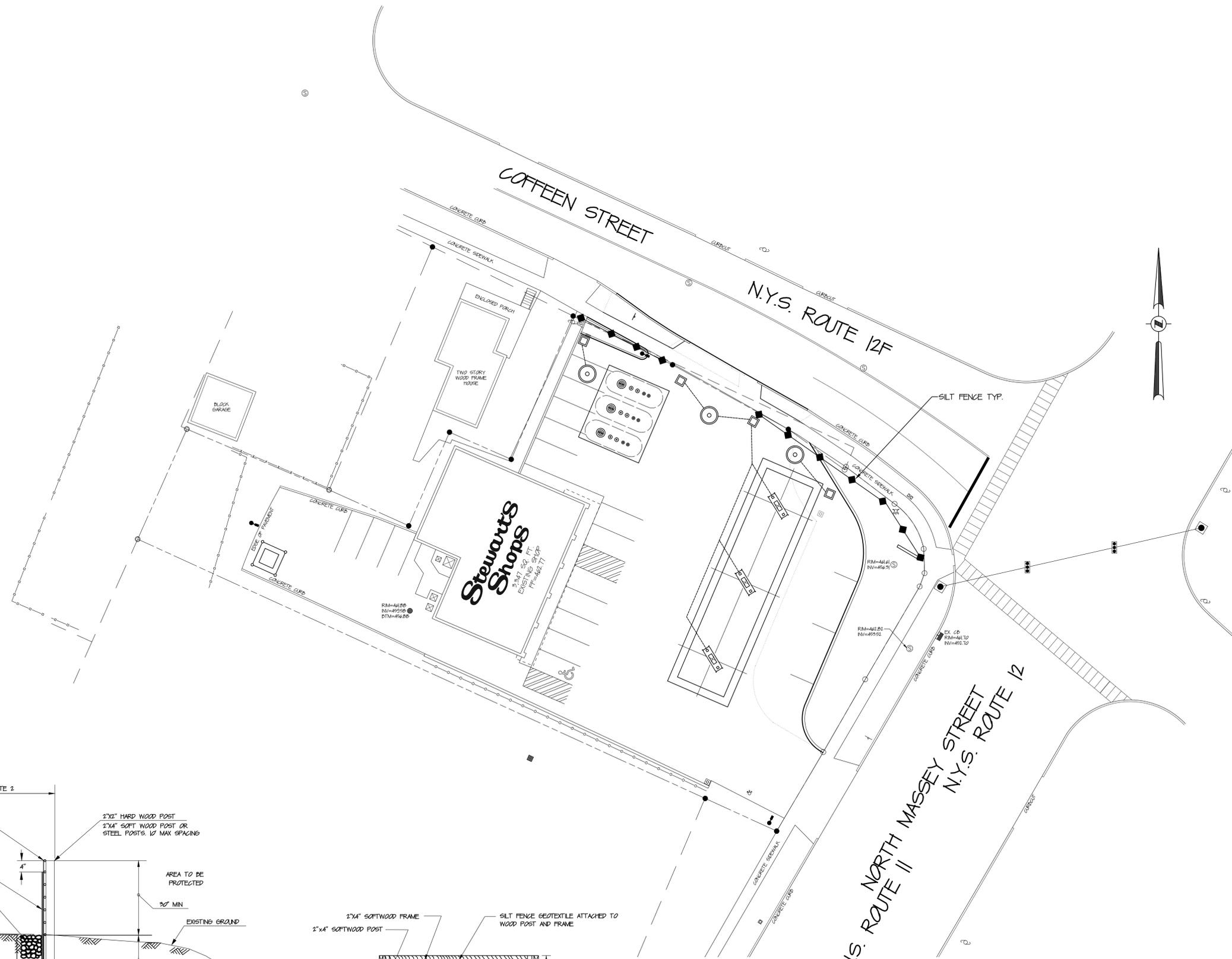


- NOTES:
1. USE 1\"/>

CURB TRANSITION LENGTHS (L)			
SLOPE	1:4	1:12	1:20
4"	16'	48'	80'
6"	24'	72'	120'

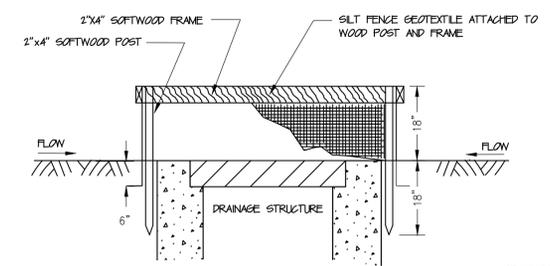
9 CONCRETE CURB TRANSITION DETAIL
SCALE: NONE
CROSS REFERENCE: NONE

STORE NAME, ABBREVIATION & NO. COFFEEN STREET - COFX - 433	
SITE LOCATION 229 NORTH MASSEY STREET - WATERTOWN, NY	
DATE	REVISIONS
P.O. BOX 435 SARATOGA SPRINGS, NY 12866 TEL: (518) 581-1202 FAX: (518) 581-1203	
ENGINEER: L.H. Rutland, Jr., PE 12 DRUMS ROAD EXT. SCOTIA, NY 12292	DRAWN BY: CP SCALE: 1"=20' DATE: 5/7/10 DRAWING NO.: S-5
ALTERNATIONS TO THIS DOCUMENT BY OTHER THAN AN AUTHORIZED LICENSED PROFESSIONAL ENGINEER IS ILLEGAL AND A VIOLATION OF THE NEW YORK STATE EDUCATION LAW	
TITLE: MISCELLANEOUS DETAILS	



ELEVATION

STANDARD SYMBOL



SECTION

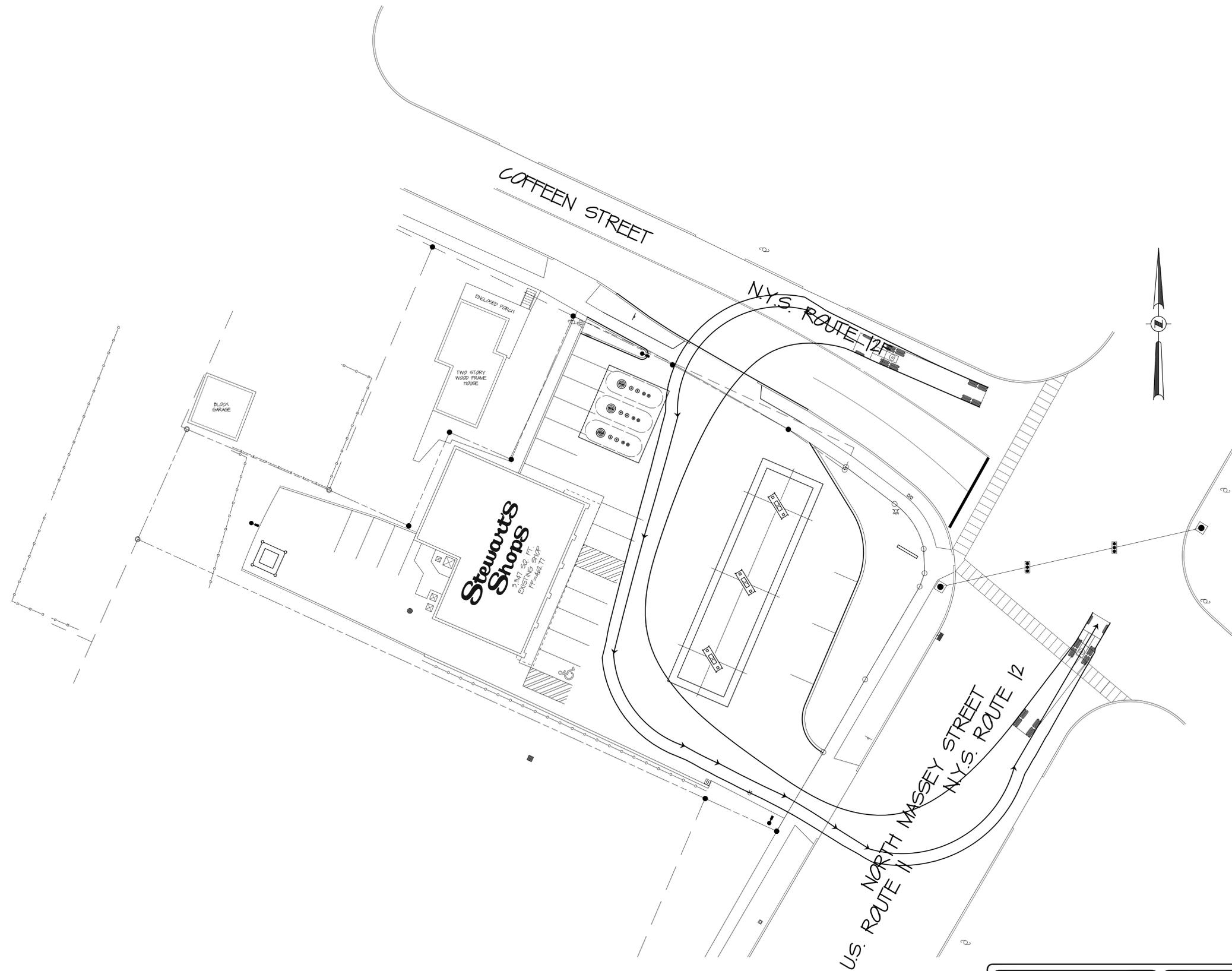
STANDARD SYMBOL

1. SILT FENCE SHALL BE INSTALLED IN ALL AREAS OF CONSTRUCTED SLOPES, SOIL DISTURBANCE STARTING EARTH MOVING OPERATIONS.
2. THE ENGINEER IN CHARGE MAY ENLARGE THE DISTANCE BETWEEN THE PROPOSED TOE-OF-SLOPE AND THE SILT FENCE, IF THE ENLARGEMENT DOES NOT TAKE PLACE IN A WETLAND/WATERBODY AND DOES NOT REQUIRE THE REMOVAL OF EXISTING VEGETATION.

1 TEMPORARY SILT FENCE
SCALE: NONE
CROSS REFERENCE: NONE

2 TEMPORARY CATCH BASIN INLET PROTECTION
SCALE: NONE
CROSS REFERENCE: NONE

STORE NAME, ABBREVIATION & NO. COFFEEN STREET - COFX - 433		DRAWN BY: CP SCALE: 1"=20' DATE: 11/16/10 DRAWING NO.: S-6
SITE LOCATION 229 NORTH MASSEY STREET - WATERTOWN, NY		
DATE	REVISIONS	<p>P.O. BOX 435 SARATOGA SPRINGS, NY 12866 TEL: (518) 581-1200 FAX: (518) 581-1203</p>
ENGINEER: LH Rutland, Jr. PE 12 DRUMS ROAD EXT. SCOTIA, NY 12302		
TITLE: EROSION & SEDIMENT CONTROL <small>ALTERATIONS TO THIS DOCUMENT BY OTHER THAN AN AUTHORIZED LICENSED PROFESSIONAL ENGINEER IS ILLEGAL AND A VIOLATION OF THE NEW YORK STATE EDUCATION LAW</small>		



		STORE NAME, ABBREVIATION & NO. COFFEEN STREET - COFX - 433	
		SITE LOCATION 229 NORTH MASSEY STREET - WATERTOWN, NY	
ENGINEER: L.H. Rutland, Jr. PE 12 DRUMS ROAD EXT. SCOTIA, NY 12302	DATE	REVISIONS	 P.O. BOX 435 SARATOGA SPRINGS, NY 12866 TEL. (518) 881-1200 FAX (518) 881-1209
<small>ALTERATIONS TO THIS DOCUMENT BY OTHER THAN AN AUTHORIZED LICENSED PROFESSIONAL ENGINEER IS ILLEGAL AND A VIOLATION OF THE NEW YORK STATE EDUCATION LAW</small>		DRAWN BY: CP SCALE: 1"=20' DATE: 11/16/10	DRAWING NO. S-7
		TITLE TRAFFIC CIRCULATION PLAN	

GUIDE SPECIFICATIONS - DOUBLE-WALL FRP TANKS FOR FUEL STORAGE

STEWART'S SHOPS CORP. WILL PROVIDE DOUBLE-WALL FIBERGLASS REINFORCED PLASTIC (FRP) UNDERWRITERS LABORATORIES-LABELED UNDERGROUND STORAGE TANKS AS SHOWN ON THE DRAWINGS. THE TANK SIZE, FITTINGS AND ACCESSORIES SHALL BE AS SHOWN ON THE DRAWINGS. THE FIBERGLASS TANKS SHALL BE MANUFACTURED BY XEVES CORPORATION.

LONG FORM
PART I: GENERAL
101 QUALITY ASSURANCE
A. ACCEPTABLE MANUFACTURER: XEVES CORPORATION
D. GOVERNING STANDARDS, AS APPLICABLE:

1. UNDERWRITERS LABORATORIES (UL) STANDARD FOR SAFETY 196, FM 111 3041 FOR STORAGE OF FLAMMABLE LIQUIDS. A UL LABEL SHALL BE ATTACHED TO EACH TANK.
2. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS:
NFPA 30: FLAMMABLE AND COMBUSTIBLE LIQUIDS CODE
NFPA 30A: AUTOMOTIVE AND MARINE SERVICE STATION CODE
NFPA 31: INSTALLATION OF OIL-BURNING EQUIPMENT.
NFPA 32: FUEL GAS CODE OF NEW YORK STATE.

PART II: PRODUCTS
2.01 DOUBLE-WALL FIBERGLASS REINFORCED PLASTIC (FRP) UNDERGROUND STORAGE TANKS

A. LOADING CONDITIONS - TANK SHALL MEET THE FOLLOWING DESIGN CRITERIA:

1. INTERNAL LOAD - TANK SHALL WITHSTAND A 5-PSIG AIR-PRESSURE TEST WITH 5:1 SAFETY FACTOR. CONTRACTOR SHALL INDIVIDUALLY TEST TANKS FOR LEAKAGE PRIOR TO INSTALLATION. MAXIMUM TEST PRESSURE IS 5 PSIG.
2. VACUUM TEST - TO VERIFY STRUCTURAL INTEGRITY, EVERY STANDARD 12'-DIAMETER TANK AND SMALLER SHALL BE VACUUM TESTED BY THE MANUFACTURER AT THE FACTORY TO 15" OF MERCURY.
3. SURFACE LOADS - TANK SHALL WITHSTAND SURFACE 11-20 AXLE LOADS WHEN PROPERLY INSTALLED ACCORDING TO MANUFACTURER'S CURRENT INSTALLATION MANUAL AND OPERATING GUIDELINES.
4. EXTERNAL HYDROSTATIC PRESSURE - TANK SHALL BE CAPABLE OF BEING BURIED IN GROUND WITH 7' OF OVERBURDEN OVER THE TOP OF THE TANK. THE HOLE FULLY FLOODED AND A SAFETY FACTOR OF 5:1 AGAINST GENERAL BUCKLING.
5. TANK SHALL SUPPORT ACCESSORY EQUIPMENT - SUCH AS HEATING COILS, DRAIN LINES, SUBMERSIBLE PUMPS AND LADDERS - WHEN INSTALLED, ACCORDING TO TANK MANUFACTURER'S CURRENT INSTALLATION MANUAL AND OPERATING GUIDELINES.

D. PRODUCT STORAGE

1. TANK SHALL BE CAPABLE OF STORING PETROLEUM PRODUCTS WITH SPECIFIC GRAVITY UP TO 1.2
2. TANK SHALL BE VENTED TO ATMOSPHERIC PRESSURE.
3. TANK SHALL BE CAPABLE OF STORING PRODUCTS IDENTIFIED IN THE MANUFACTURER'S CURRENT STANDARD LIMITED WARRANTY.

C. MATERIALS

1. TANK SHALL BE MANUFACTURED WITH 100% RESIN AND GLASS-FIBER REINFORCEMENT. NO SAND FILLERS.
2. TANK DIMENSIONS (REFER TO XEVES LITERATURE ON BALLDANCE)
1. TANK SHALL HAVE NOMINAL CAPACITY OF 8,000 GALLONS.
2. TANK SHALL HAVE NOMINAL OUTSIDE DIAMETER OF 8'-6".

E. INTERSTITIAL SPACE

1. TANK SHALL HAVE A SPACE BETWEEN THE PRIMARY AND SECONDARY WALLS TO ALLOW FOR THE FREE FLOW AND CONTAINMENT OF LEAKED PRODUCT FROM THE PRIMARY TANK. THE SPACE ALSO ALLOWS THE INSERTION OF A MONITORING DEVICE THROUGH A MONITORING FITTING.

2.01 ACCESSORIES

A. OPTIONAL ANCHOR STRAPS

1. STRAPS SHALL BE FRP ANCHOR STRAPS AS SUPPLIED BY TANK MANUFACTURER.
2. NUMBER AND LOCATION OF STRAPS SHALL BE SPECIFIED IN CURRENT LITERATURE BY TANK MANUFACTURER.

B. MANWAYS

1. ALL MANWAYS SHALL BE FLANGED AND 22" ID. COMPLETE WITH UL-LISTED BASKETS, BOLTS AND COVERS. (20" AND 36" ID. MANWAYS ARE ALSO AVAILABLE ON CERTAIN LARGER TANKS)
2. LOCATION IS SHOWN ON TANK DRAWINGS.
3. OPTIONAL MANWAY EXTENSIONS SHALL BE FRP AND 24" LONG.

C. OPTIONAL FILL TUBES

1. FILL TUBES SHALL BE FRP, 4"-DIAMETER, WITH A 6" X 4" DOUBLE-TAPPED REDUCER BUSHING, AND INCLUDE A 6" NPT FITTING. TUBES SHALL TERMINATE A MINIMUM OF 4" FROM THE BOTTOM OF TANK (A MINIMUM OF 6" FOR A 12'-DIAMETER TANK).

D. GAUGE PLATES

1. GAUGE PLATES SHALL BE INSTALLED UNDER EACH SERVICE FITTING AND MANWAY OPENING.

E. OPTIONAL HEATING COILS

1. OPTIONAL HEATING COILS SHALL BE INSTALLED IN A SEPARATE 22" MANWAY AND SHALL BE AS SUPPLIED BY TANK MANUFACTURER.

F. OPTIONAL LADDERS

1. LADDERS SHALL BE THE STANDARD LADDER AS SUPPLIED BY TANK MANUFACTURER (ALUMINUM, CARBON STEEL OR FIBERGLASS).

G. NPT THREADED FITTINGS

1. ALL STANDARD THREADED FITTINGS SHALL BE HALF-COUPPLINGS AND SHALL BE 4" OR 1/2" DIAMETER REDUCERS ARE TO BE USED FOR SMALLER SIZES WHERE SHOWN AND PROVIDED BY CONTRACTOR.
2. STRENGTH - NPT FITTINGS SHALL WITHSTAND A MINIMUM OF 150 FOOT-POUNDS OF TORQUE AND 1000 FOOT-POUNDS OF BENDING, BOTH WITH A 2:1 SAFETY FACTOR.

H. MONITOR FITTINGS

1. EACH MONITOR FITTING SHALL CONSIST OF A 4" NPT FITTING ON THE TANK. TANKS WITH A HYDROSTATIC MONITORING SYSTEM DO NOT HAVE A MONITOR FITTING.

PART III: TESTING AND INSTALLATION

3.01 TESTING

A. TANK SHALL BE TESTED ACCORDING TO THE XEVES INSTALLATION MANUAL AND OPERATING GUIDELINES FOR SINGLE-WALL AND DOUBLE-WALL FIBERGLASS UNDERGROUND STORAGE TANKS IN EFFECT AT TIME OF INSTALLATION.

3.02 INSTALLATION

A. TANK SHALL BE INSTALLED ACCORDING TO THE XEVES INSTALLATION MANUAL AND OPERATING GUIDELINES FOR SINGLE-WALL AND DOUBLE-WALL FIBERGLASS UNDERGROUND STORAGE TANKS IN EFFECT AT TIME OF INSTALLATION.

B. CONTRACTOR SHALL BE TRAINED BY THE TANK MANUFACTURER, THE STATE OR OTHER APPROVED AGENCY.

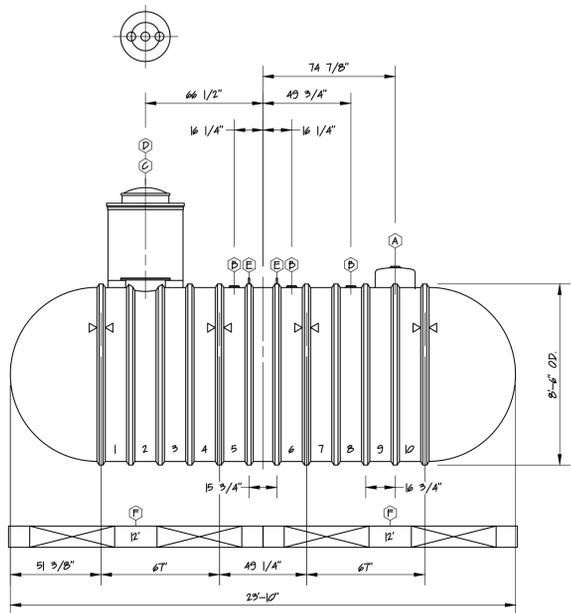
GENERAL NOTES:

A. TANKS

1. IT IS THE RESPONSIBILITY OF THE INSTALLER AND OPERATOR TO FOLLOW ALL REQUIREMENTS CONTAINED IN THE INSTALLATION MANUAL FOR FIBERGLASS UNDERGROUND STORAGE TANKS AND COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS THAT MAY APPLY TO TANK INSTALLATIONS AND OPERATIONS.
2. PRIOR TO EXCAVATION LOCATE AND PROTECT ANY UTILITIES NEAR THE EXCAVATION.
3. ALL TANKS MUST BE LABELED BY THE MANUFACTURER IN ACCORDANCE WITH ANYCRR PART #43A.
4. FIBERGLASS TANKS MUST BE INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND NFPA 30 AND 31.
5. IN ACCORDANCE WITH ANYCRR PART #43C, ALL NEW TANKS, THEIR SEAMS AND CONNECTING FITTINGS MUST BE FACTORY TESTED FOR TIGHTNESS USING STANDARD ENGINEERING PRACTICES. ALL TANKS SOLD FOR USE IN NEW YORK STATE MUST BE GUARANTEED BY THE MANUFACTURER TO BE TIGHT.
6. ALL FIBERGLASS REINFORCED PLASTIC UNDERGROUND PETROLEUM STORAGE TANKS MUST BE DESIGNED AND MANUFACTURED WITH ONE OF THE FOLLOWING STANDARDS:
(I) UL NO. 196, OR
(II) ULG NO. CAN-545-M89 (SEE SECTION #41(H) OF THIS PART).
7. ALL TANKS MANUFACTURED FOR STEWART'S SHOPS CORP. MUST MEET OR EXCEED ANYCRR PART #4 STANDARDS.
8. NEW TANK MONITORING SHALL CONFORM TO THE ANYCRR #45 STANDARDS.
9. BACKFILL FOR THE TANK EXCAVATION SHALL BE 3/8" WASHED PEASTONE OR APPROVED EQUAL BY TANK MANUFACTURER. ALL BACKFILL MUST BE FREE OF ICE, SNOW, AND DEBRIS.
10. EQUIPMENT TO LIFT THE TANK SHALL BE OF ADEQUATE SIZE TO LIFT AND LOWER THE TANK WITHOUT DRAGGING AND DROPPING TO ENSURE NO DAMAGE TO THE TANK OR THE COATING. TANKS SHALL BE CAREFULLY LIFTED AND LOWERED BY USE OF CABLES OR CHAINS OF ADEQUATE LENGTH (NOT GREATER THAN 30 DEGREES OR DESIGN PARAMETERS OF THE CRANE SPECIFICATIONS) ATTACHED TO THE LIFTING LUGS PROVIDED. A SPREADER BAR SHOULD BE USED WHERE NECESSARY. UNDER NO CIRCUMSTANCES SHOULD CHAINS OR SLINGS, UNDER THE TANK SHELL, BE USED TO MOVE TANKS.
11. TANK HOLES MUST BE DEEP ENOUGH TO FOR ALLOW A MINIMUM OF 12" AND A MAXIMUM OF 36" OF REQUIRED BACKFILL BED OVER THE HOLE BOTTOM OR CONCRETE PAD.
12. FILL PORTS ARE TO BE COLOR CODED IN ACCORDANCE WITH ANYCRR PART #43D AND FLAGGED TO BE INSTALLED IN LOCATION VISIBLE TO FILLS.

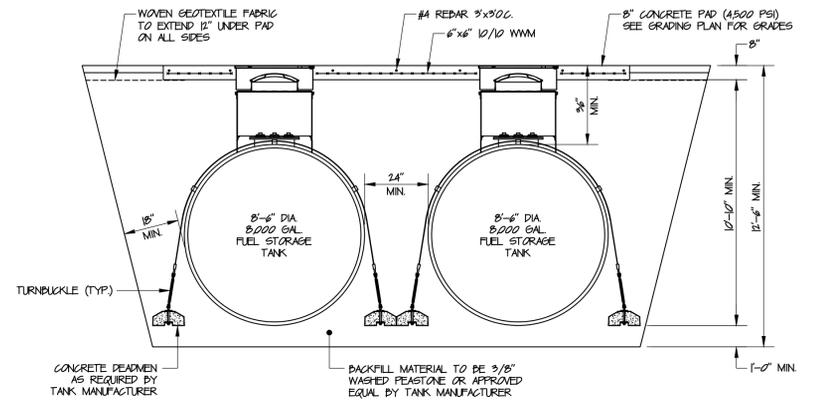
D. PIPING

1. ALL MATERIAL, WORKMANSHIP, AND INSTALLATION PRACTICES SHALL BE IN ACCORDANCE WITH NFPA 30, NFPA 30A, ANYCRR PART #44, AND OTHER APPLICABLE CODES.
2. MATERIALS
A. NPT 1/2"-15-60 1-1/2" DOUBLE WALLED FLEXIBLE PIPE W/1/4" DUCTING.
D. TRENCH BACKFILL MATERIAL SHALL BE 3/8" WASHED PEASTONE OR ABOVE.
3. ALL PIPING TO BE PRESSURE TESTED PRIOR TO BACKFILLING.
A. ALL PRODUCT LINES SHALL BE TESTED FROM UNION TO DISPENSER SHEAR VALVE.
4. ELECTRONIC LEAK DETECTION ON ALL STPS.
5. WATER AND/OR ETHANAL ALERT FILTERS ARE TO BE INSTALLED ON ALL DISPENSERS.
6. CALIBRATE AND SEAL METERS TO LOCAL REGULATIONS.

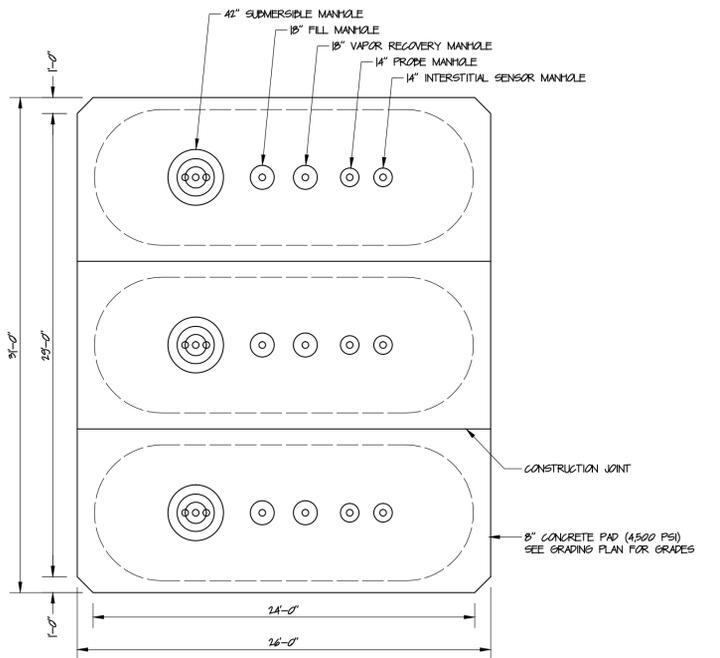


(A)	22" DIA HYDROSTATIC MONITORING RESERVOIR WITH 4" NPT FITTING
(B)	4" NPT SERVICE FITTING WITH STRIKER PLATE
(C)	22" DIA MANWAY WITH 3-4" NPT FITTINGS IN COVER & STRIKER PLATES
(D)	42" DIA x 3/8" HIGH CONTAINMENT SUMP WITH 24" DIA LEVER LOCK WATER TIGHT TOP
(E)	LIFTING LUG
(F)	12" PREFABRICATED CONCRETE DEADMEN (4 DEADMEN REQUIRED PER TANK)
(X)	HOLD DOWN STRAP LOCATION

1 8,000 GALLON TANK DETAIL
SCALE: 1/4"=1'-0"
CROSS REFERENCE: NONE

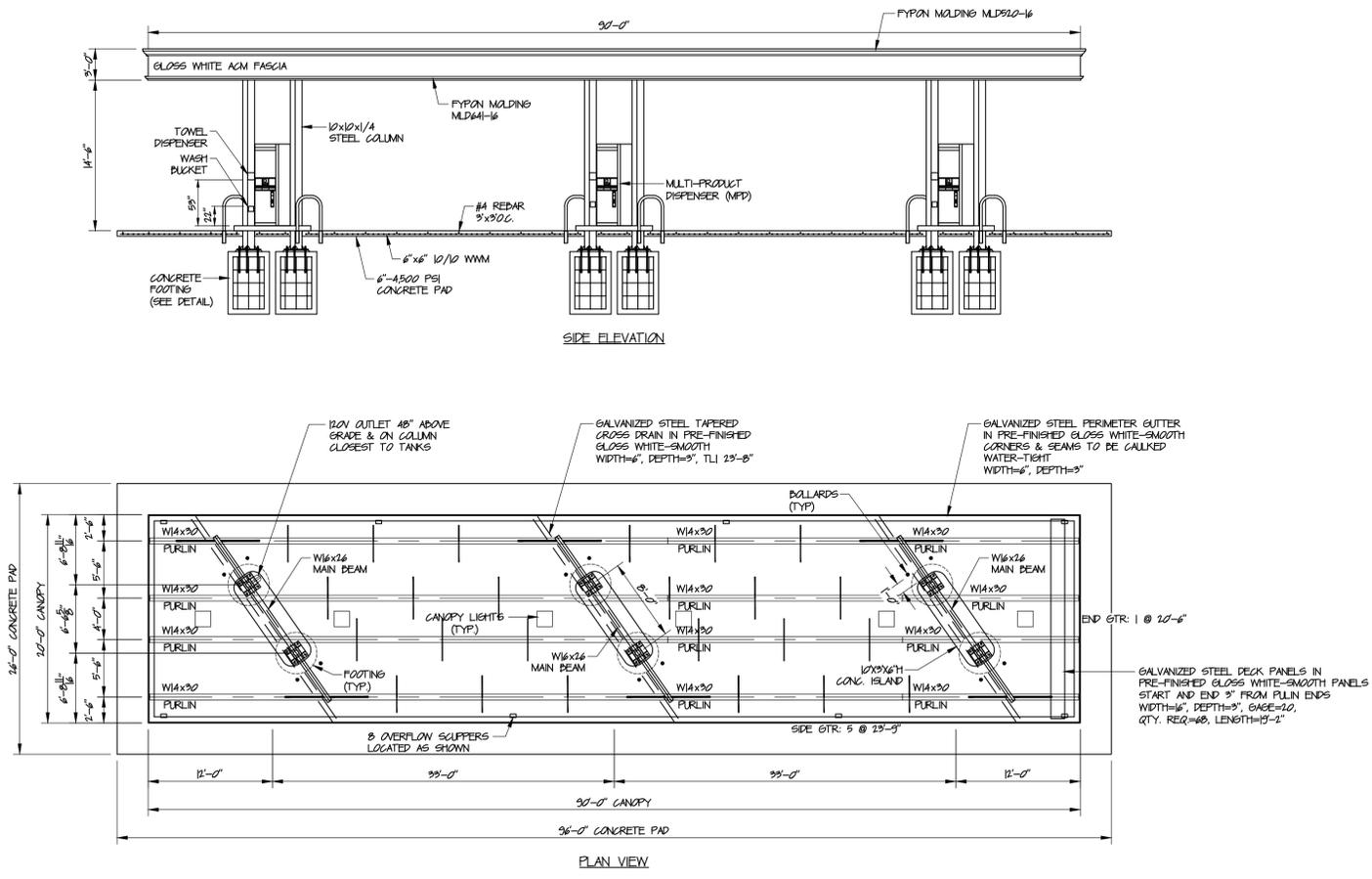


2 TANK CROSS-SECTION DETAIL
SCALE: 1/4"=1'-0"
CROSS REFERENCE: NONE

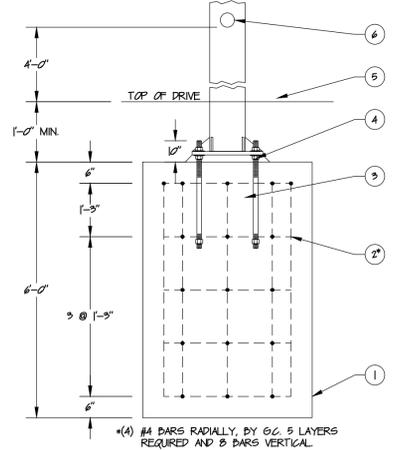
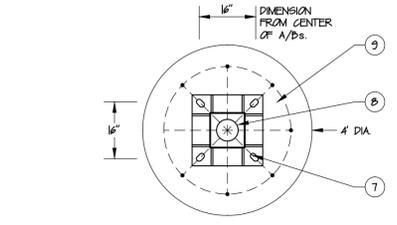


3 TANK PAD DETAIL
SCALE: 3/16"=1'-0"
CROSS REFERENCE: NONE

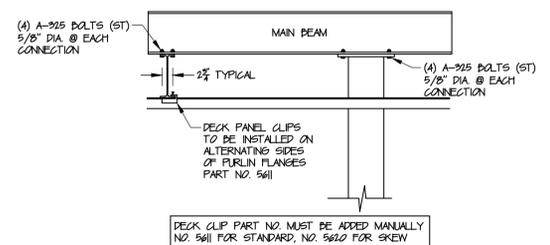
ENGINEER: L.H. Rutland, Jr. PE 12 DRUMS ROAD EXT. SCOTIA, NY 13201	STORE NAME, APPROVATION & NO. COFFEEN STREET - COFX - 433
	SITE LOCATION 229 NORTH MASSEY STREET - WATERTOWN, NY
DATE	REVISIONS
Stewart's	
P.O. BOX 435 SARATOGA SPRINGS, NY 12866 TEL: (518) 581-1100 FAX: (518) 581-1129	
DRAWN BY: CP SCALE: AS SHOWN DATE: 5/10/10	
DRAWING NO. G-1	
TITLE: TANK INSTALLATION DETAILS	
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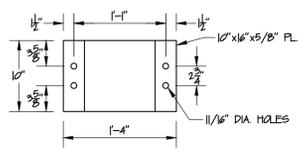
1 CANOPY DETAILS
SCALE: 1/8"=1'-0"
CROSS REFERENCE: NONE



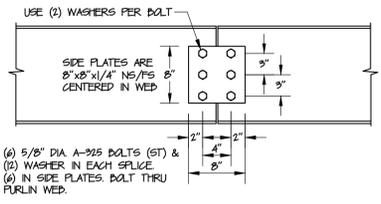
2 COLUMN FOOTING DETAIL
SCALE: 1/2"=1'-0"
CROSS REFERENCE: NONE



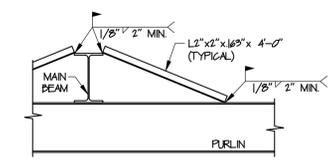
3 STRUCTURAL CONNECTIONS DETAIL
SCALE: 1"=1'-0"
CROSS REFERENCE: NONE



4 CAP PLATE DETAIL
SCALE: 1"=1'-0"
CROSS REFERENCE: NONE



5 PURLIN WEB SPLICE DETAIL
SCALE: 1"=1'-0"
CROSS REFERENCE: NONE



6 4'-0" SAG ANGLE DETAIL
SCALE: 1"=1'-0"
CROSS REFERENCE: NONE

- GENERAL NOTES**
- DO NOT SCALE DRAWINGS.
 - ALL CONSTRUCTION SHALL CONFORM TO APPLICABLE STATE AND LOCAL CODES.
 - ALL WELDING UNLESS SPECIFICALLY NOTED SHALL BE PERFORMED IN THE COMPANY SHOP BEFORE SHIPMENT. ALL WELDS SHALL BE FULL WELDS, A MINIMUM OF 1/4" SIZE AND PERFORMED BY CERTIFIED WELDERS, UNLESS NOTED OTHERWISE.
 - ENTIRE UNDERGROUND STORAGE AND SUPPLY SYSTEM MUST CONFORM TO ALL APPLICABLE PARTS OF NFPA 30, NFPA 30A, ANCR PARTS 612-614, ALL STATE AND FEDERAL CODES, AND MANUFACTURER SPECIFICATIONS.
 - MANUFACTURER TO SUBMIT SHOP DRAWINGS TO OWNER AND ENGINEER FOR RECORD.
 - CONCRETE: 3500 PSI MIN. FOR FOOTINGS & ISLANDS
4500 PSI MIN. FOR CONCRETE PADS
 - INSTALLER TO SUPPLY AS-BUILT & INSTALLATION CERTIFICATIONS.
 - CANOPY DOWN SPOUTS TO BE INSTALLED ON BUILDING SIDE OF COLUMN.
 - UL LISTED VOICE COMMUNICATION SPEAKERS (3M BRAND) TO BE INSTALLED AT EACH ISLAND.
 - INSTALL 1 PAPER TOWEL DISPENSER & 1 WASH BUCKET ON THE INSIDE EACH COLUMN FACING THE DISPENSER.

- ERECTOR NOTES**
- ALL LEVELING NUTS AND FOOTING ELEVATIONS MUST BE CHECKED WITH A TRANSIT. VERIFY ALL FOOTING BOLT CENTERS.
 - CHECK ALL STEEL FOR PLUMB, SQUARE, AND LEVEL AFTER IT IS ERECTED.
 - ALL ASTM A325 AND A490 BOLTS SHALL BE INSTALLED PER THE RISC SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS, (LINE 30, 300A) CONTAINED IN PART 16 SPECIFICATIONS AND CODES OF THE AISC STEEL CONSTRUCTION MANUAL, 10TH EDITION.
 - CHECK LEVELNESS OF BOTTOM OF PURLINS WITH A TRANSIT.
 - ALL BRACING FOR BEAMS AND PURLINS IS TO BE WELDED ON BEFORE DECK PANELS ARE INSTALLED.
 - FIELD PRIME ALL STRUCTURAL STEEL CONNECTIONS AND SPLICES AFTER STEEL IS ERECTED.
 - WASHERS ARE REQUIRED ON ALL BOLTED CONNECTIONS. THE NUT AND WASHER SHALL BE PLACED AT THE TOP OF CONNECTION (NUT SIDE IF BOLT RUNS HORIZONTALLY). A WASHER IS REQUIRED FOR ALL BOLTED CONNECTIONS AT SLOT LOCATIONS (UNLESS NOTED OTHERWISE).
 - DO NOT DEVIATE FROM PLANS WITHOUT PRIOR TFC CANOPY CONSENT.

- FOOTING NOTES**
- CONCRETE BASE BY GENERAL CONTRACTOR.
 - SEE FOOTER DETAIL FOR REQUIRED REBAR SPECIFICATIONS.
 - BASEPLATE TO BEAR ON LEVELING NUTS AND WASHERS TO CREATE A MINIMUM 1/8" GROUT POCKET. GENERAL CONTRACTOR MUST FILL UNDER THE BASE PLATE WITH A NON-SHRINK GROUT THAT MEETS THE PERFORMANCE REQUIREMENTS OF ASTM C 1097 AND C802-04 SPECIFICATIONS FOR NON-SHRINK GROUT. MIXING AND PLACING OF GROUT SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - 1 1/4" DIA. x 20' LG. A-307 OR A ANCHOR BOLTS W/ HEAVY HEX NUT AND 10' THRD. PROJECTION WITH DOUBLE NUTS FOR PLUMBING AND LEVELING.
 - ALLOW A 36" SQUARE OPENING IN DRIVE AT COLUMNS FOR INSTALLATION OF ANCHOR BOLT NUTS. OPENING TO BE FILLED WITH CONCRETE AFTER ERECTION.
 - ELECTRICAL ACCESS OPENING (4" DIA. HOLE) WITH 5"x6" COVER PLATE LOCATED APPROXIMATELY 4" ABOVE TOP OF DRIVE.
 - BASE PLATES ARE 20"x20"x3/4" THK. OR 50 STL. W/ (4) - 1 1/2" DIA. BOLT HOLES ON 16" CENTERS.
 - BASE PLATE HAS A 6" DIA. HOLE FOR ELECTRICAL ACCESS.
 - UNLESS OTHERWISE NOTED, TOPS OF FOOTERS MUST BE HELD LEVEL AND ON THE SAME PLANE.
 - CONCRETE FOR FOOTERS SHALL ACHIEVE A MINIMUM COMPRESSION OF 3500 PSI.
 - FOOTING DESIGN IS BASED ON PRESUMPTIVE LOAD BEARING VALUES PROVIDED IN THE INTERNATIONAL BUILDING CODE, TABLE 1604.1. AN ASSUMED ALLOWABLE BEARING PRESSURE OF 3500 PSF AND A LATERAL BEARING PRESSURE OF 350 PSF/FT SHALL BE VERIFIED IN THE FIELD. IT IS RECOMMENDED THAT FOOTINGS BEAR ON STABLE ORIGINAL, UNDISTURBED SUBGRADE OR SELECT CONTROLLED FILL (EXTENDING TO STABLE ORIGINAL UNDISTURBED SUBGRADE). IF FIELD CONDITIONS AND TESTING INDICATE LESS CAPACITY OR DISTURBED SOIL, THE DETAIL SHOWN SHALL NOT BE USED AND TFC SHALL BE CONTACTED IMMEDIATELY TO REDESIGN THE FOOTINGS.

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ENGINEER: L.H. Rutland, Jr. PE 12 DRUMS ROAD EXT. SCOTIA, NY 13202	DRAWING NO. 6-3
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TITLE CANOPY DETAILS	

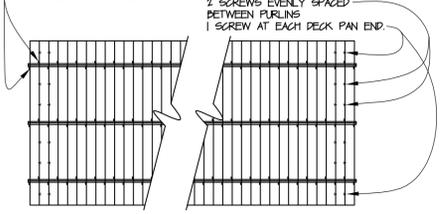
NOTES

1. CALK ENTIRE PERIMETER WATER-TIGHT.
2. FASCIA BRACES:
 - A. FASCIA BRACES AT 48" O/C.
 - B. FASCIA BRACES EXTEND 4" PAST END OF DECK PANS (TYP. FOR 6" WIDE GUTTER).
 - C. FASTEN FASCIA BRACES WITH (2) TEK SCREWS INTO RID OF DECK PANS.
 - D. FASCIA BRACES ARE 2 1/2" WIDE WITH 1 1/8" LEGS x 22 GA. (MIN).
3. ACM FASCIA - TABS BENT OVER ON ALL FOUR SIDES. ATTACH SIDE TABS TOGETHER USING (2) #14x7/8" TEK SCREWS. ATTACH TOP & BOTTOM TABS USING #8 PAN HEAD SCREWS 24" O.C.
4. ADJUST TOP L-BRACE UP OR DOWN FOR SNUG FIT OF ACM FASCIA.
5. SILICONE CALK @ EACH VERTICAL ACM JOINT TO KEEP ANY LIGHT FROM SHINING THROUGH.

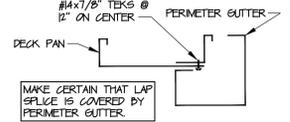


1 36" ACM FASCIA DETAIL
 SCALE: 1/4"=1'-0"
 CROSS REFERENCE: NONE

ALL CANOPIES SHALL HAVE DECK CLIPS ON ALTERNATING SIDES OF THE PURLINS.

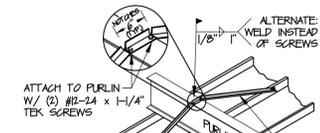


2 DECK ATTACHMENT DETAIL
 SCALE: 1/4"=1'-0"
 CROSS REFERENCE: NONE



ERECTOR SHALL FIELD CUT FILL DECK PAN TO CREATE A FINISH PAN.

3 FINISH DECK PAN DETAIL
 SCALE: 1/4"=1'-0"
 CROSS REFERENCE: NONE



ATTACH TO PURLIN W/ (2) #10-24 x 1-1/4" TEK SCREWS

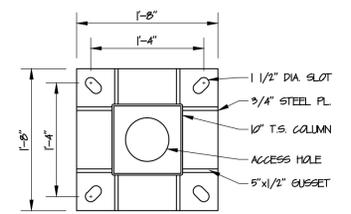
ALTERNATE: WELD INSTEAD OF SCREWS

L 1"x1"x1/2" x 4'-6" LONG PRE-NOTCHED @ PURLIN

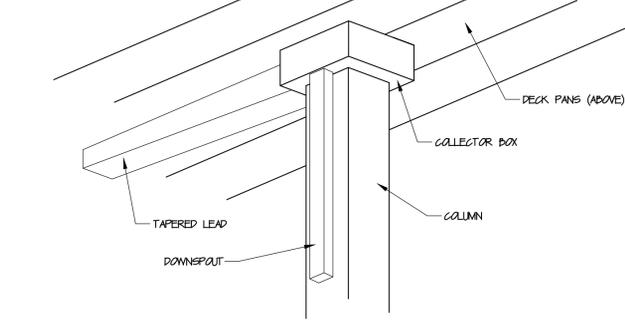
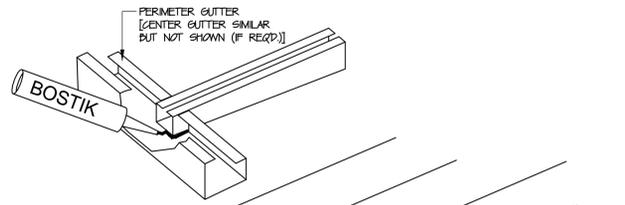
ATTACH TO DECK PANELS USING (2) #14x7/8 TEK SCREWS (EA SIDE)

PURLIN ROLLOVERS TO BE SPACED EQUALLY BETWEEN SUPPORT BEAMS

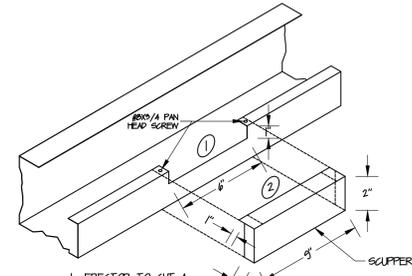
4 PURLIN ROLLOVER DETAIL
 SCALE: 1/4"=1'-0"
 CROSS REFERENCE: NONE



5 BASE PLATE DETAIL
 SCALE: 1/4"=1'-0"
 CROSS REFERENCE: NONE

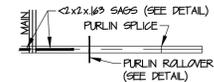


6 EXTERNAL DRAIN DETAIL
 SCALE: 1/4"=1'-0"
 CROSS REFERENCE: NONE

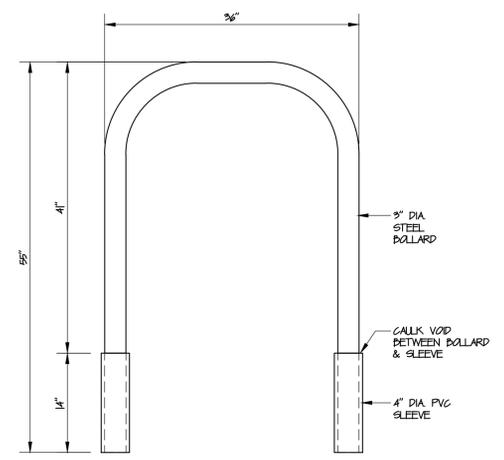


1. ERECTOR TO CUT A 1"x6" NOTCH IN GUTTER AT OVERFLOW SCUPPER LOCATION.
2. ERECTOR TO THEN INSTALL SCUPPER OVER THE NOTCH IN GUTTER AS SHOWN. CALK WATERTIGHT.

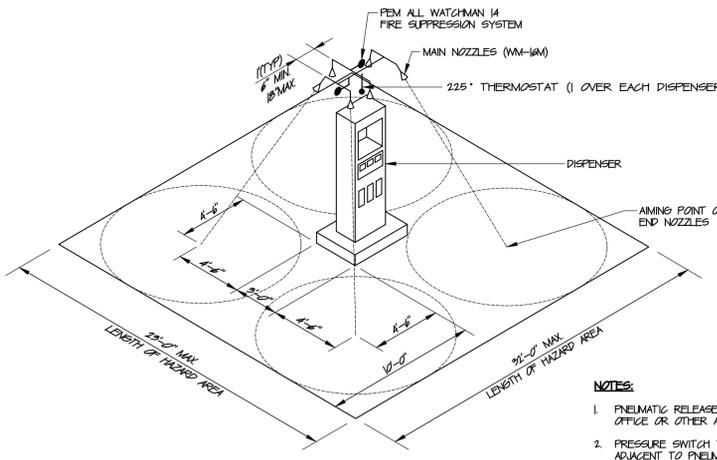
7 OVERFLOW SCUPPER DETAIL
 SCALE: 1/4"=1'-0"
 CROSS REFERENCE: NONE



8 PURLIN KEY
 SCALE: 1/8"=1'-0"
 CROSS REFERENCE: NONE



9 HORSESHOE BALLARD DETAIL
 SCALE: 1/4"=1'-0"
 CROSS REFERENCE: NONE



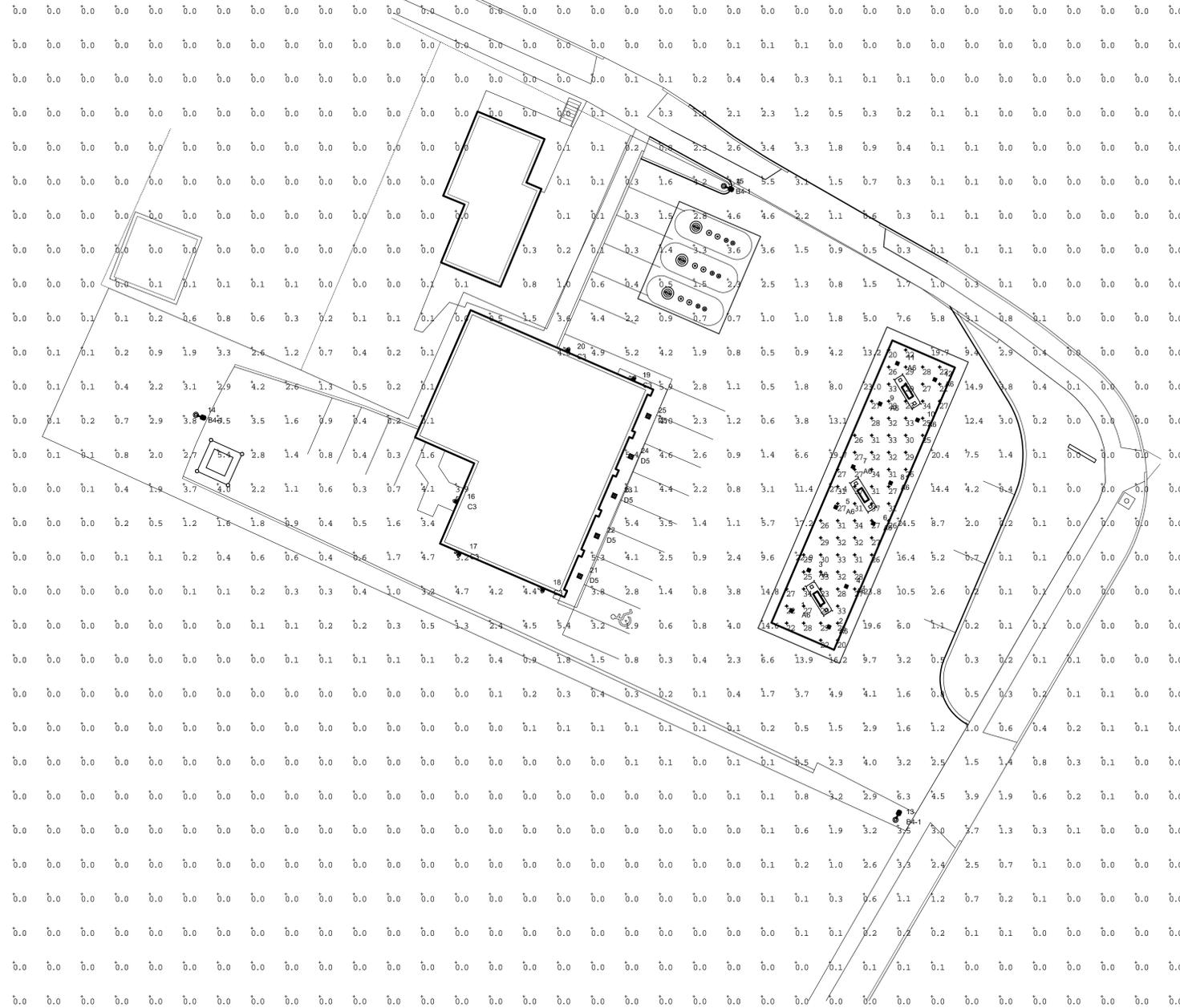
10 PEM ALL WATCHMAN 14 FIRE SUPPRESSION DETAIL
 SCALE: NONE
 CROSS REFERENCE: NONE

- NOTES:**
1. PNEUMATIC RELEASE TO BE LOCATED IN OFFICE OR OTHER ACCESSIBLE LOCATION.
 2. PRESSURE SWITCH TO BE LOCATED ADJACENT TO PNEUMATIC RELEASE.
 3. SYSTEM TO BE INSTALLED AT EACH DISPENSER LOCATION.
 4. AS PER NFPA 17, EQUIPMENT SHALL BE PROVIDED TO SIMULTANEOUSLY SHUT DOWN ALL VEHICLE DISPENSERS UPON FIRE SYSTEM ACTIVATION.

STORE NAME, ABBREVIATION & NO. COFFEEN STREET - COFX - 433	
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TITLE: CANOPY DETAILS	



Filename: RL101118WANYTCR1.AGI



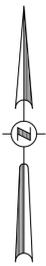
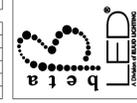
Luminaire	Z	Tra
1	15	0
2	15	0
3	15	0
4	15	0
5	15	0
6	15	0
7	15	0
8	15	0
9	15	0
10	15	0
11	15	0
12	15	0
13	15	0
14	15	0
15	15	0
16	9	0
17	9	0
18	9	0
19	9	0
20	9	0
21	9.5	0
22	9.5	0
23	9.5	0
24	9.5	0
25	9.5	0

NOTE: Footcandle calculated using predicted lumen values after 25K hours of operation

Illustration results shown on this lighting design are based on project parameters. A lighting layout has been generated with luminaire list procedures conducted under laboratory conditions. Actual project conditions may affect field results. The customer is responsible for verifying lighting, or energy code.

Date: 11/22/2010
 Scale: 1"=20'
 Project Name: Stewart's Shop - Watertown, NY
 Project: V:\Crimin\Job\Eng\BETA\RL101118WANYTCR1.AGI
 FOOTCANDLES CALCULATED AT GRADE
 Customer No. 07115

1200 92nd Street
 Sturtevant, WI 53177
 www.betalighting.com
 (800) 238-6800



POLE SCHEDULE
 (3) PS4515C1SV (15' X 4" X 125' STEEL SQUARE POLE)
 PROPOSED POLES MEET 140 MPH SUSTAINED WINDS.

Label	Avg	Max	Min	Avg/Min	Max/Min
GRADE	1.05	27.4	0.0	N.A.	N.A.
UNDER CANOPY	28.38	37	20	1.42	1.85

Symbol	Qty	Label	Arrangement	Lumens	LLF	Total Watts	Description
■	12	A6	SINGLE	9705	0.940	1296	CAN-304-PS-RS-06-D-UL-WH-525 = 60LED symmetric - Recessed Canopy Light
■	3	B4-1	SINGLE	10016	0.960	417	ARE-EDG-4M-DA-12-C-UL-SV = 120LED type 4 - Area Light
■	5	C3	SINGLE	3298	0.960	245	SEC-EDG-3M-WM-04-C-UL-SV = 40LED type 3 - Security Light
■	5	D5	SINGLE	2792	0.960	195	SFT-227-5M-RM-03-C-UL-WH = 30LED type 5 - Soffit Light