

### LEGEND

[illegible]

## SHEET INDEX

SHEET #1 - SITE PLAN  
SHEET #2 - GRADING & UTILITY PLAN  
SHEET #3 - LIGHTING PLAN  
SHEET #4 - EROSION CONTROL PLAN  
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SHEET #6 - SITE DETAILS

## RECORD OWNER / APPLICANT

13 FORESTER LLC  
P.O. BOX 600  
WARWICK, NY 10990

## BULK REQUIREMENTS

## LI ZONE

USE GROUP k\*\*\*

	<u>MIN. REQUIRED</u>	<u>PROPOSED</u>
LOT AREA (SF.)**	5,000	47,361±
LOT WIDTH (FT.)	50	202±
FRONT SETBACK (SF.)	11.5'± (SEE NOTE 1)	14±
FRONT YARD (FT.)	10	N/A
SIDE SETBACK (FT.)	10	17±
TOTAL SIDE SETBACK (FT.)	10	52±
SIDE YARD (FT.)	10	10
SIDE YARD WITHIN 25' OF RESIDENCE DISTRICT BOUNDARY	N/A	N/A
REAR SETBACK (FT.)	10	159±
REAR YARD (FT.)	10	10±
REAR YARD WITHIN 25' OF RESIDENCE DISTRICT BOUNDARY	N/A	N/A
STREET FRONTAGE (FT.)	50	474±
FLOOR AREA RATIO (F.A.R.)	N/A	N/A
LOT DEPTH (FT.)	50	250±
LIVABLE FLOOR AREA/ DWELLING UNIT (SF.)	N/A	N/A
LOT AREA/ DWELLING UNIT DWELLING UNIT (SF.)**	N/A	N/A
BEDROOMS/ACRE OF LOT AREA	N/A	N/A

DEVELOPMENT COVERAGE (%)**	100	<100
BUILDING COVERAGE (%)**	N/A	17±
BUILDING HEIGHT (FT.)	40	<40

\*NOTE 1 - THE REQUIRED FRONT SETBACK NEED NOT BE GREATER THAN THE AVERAGE OF THE NEAREST NEIGHBORING STRUCTURES LOCATED ON THE SAME SIDE OF THE STREET WITHIN 150 FEET OF THE PROPOSED BUILDING.

NEIGHBORING LOTS

ADDRESS	TAX LOT	FRONT SETBACK
31 FORESTER AVE	208-2-7.22	5.5'±
11 FORESTER AVE	208-1-9.1	11'±
9 FORESTER AVE	208-1-10.1	18'±

\*\*NOTE 4 - LOT AREA SHALL BE DEFINED IN § 145-181 FOR COLUMNS 2, 15, 15A, 19 AND 20 PER LOCAL LAW #1 OF 2001.

\*\*\*NOTE 6 - 100% DEVELOPMENT COVERAGE PERMITTED ONLY WHEN PROJECT INCORPORATES A "GREEN ROOF".

### PARKING CALCULATION

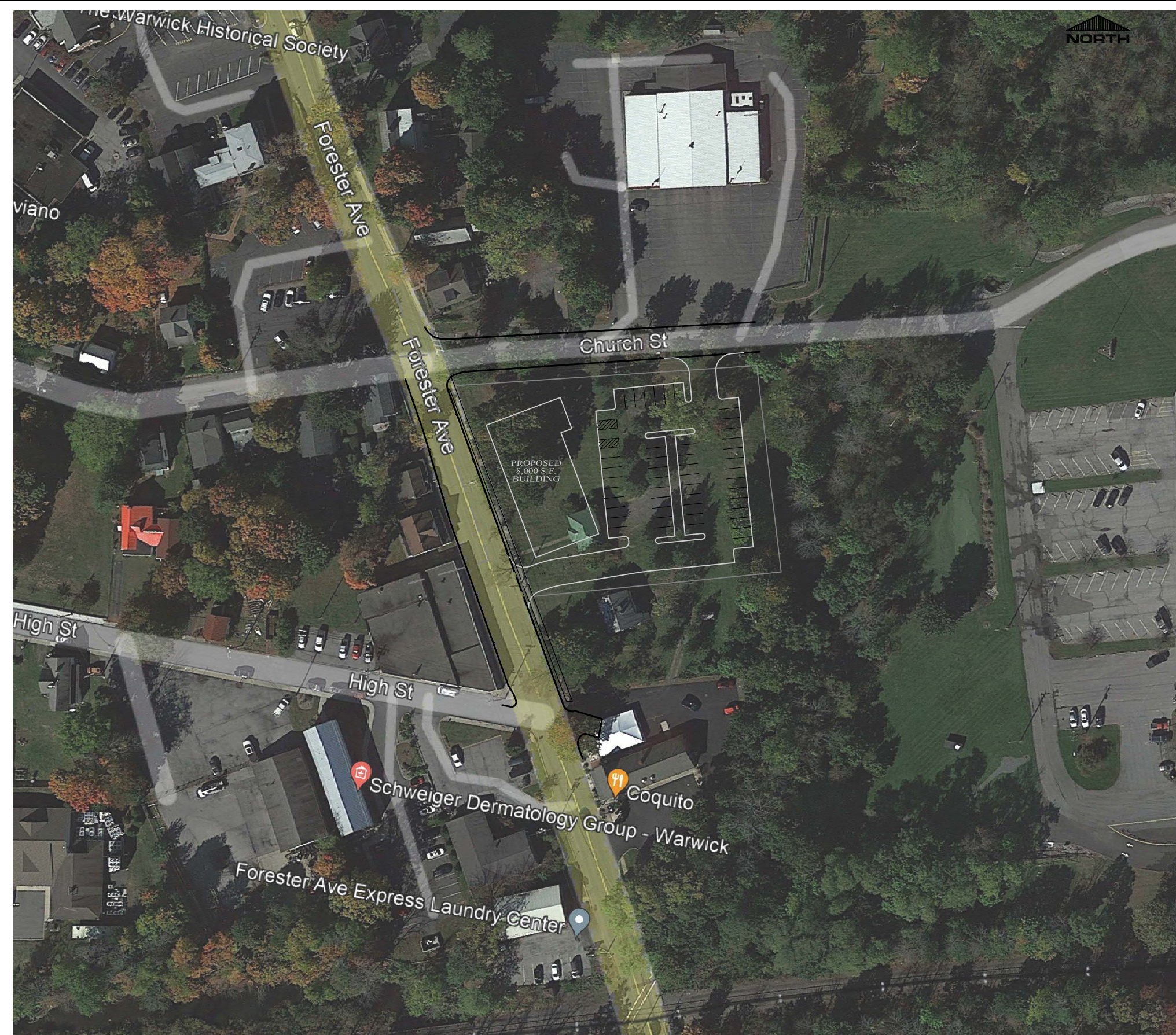
FOOD & DRINK ESTABLISHMENT	12 SPACES PER 1,000 S.F. BLDG. AREA
RETAIL	3.33 SPACES PER 1,000 S.F. BLDG. AREA

3,750 S.F. FOOD & DRINK ESTABLISHMENT  
(3,750 S.F. / 1,000 S.F.) x 12 = 45 SPACES

5,250 S.F. RETAIL  
 $(5,250 \text{ S.F.} / 1,000 \text{ S.F.}) \times 3.33 = 18 \text{ SPACES}$   
 MAX. SPACES REQUIRED = 63 SPACES  
 SPACES PROVIDED = 54 SPACES

RECORD OWNER / APPLICANT

13 FORESTER LLC  
P.O. BOX 600  
WARWICK, NY 10990



### LOCATION MAP

SCALE: 1" = 100'

VILLAGE OF WARWICK  
COMPREHENSIVE PLAN

LAND USE	COMMERCIAL
ZONING DISTRICTS	LI
HISTORIC DISTRICT	NO
AQUIFERS	NO
RESERVOIRS	NO
FLOOD PLAINS	NO
WETLANDS	NO
SPECIAL PLACES	NO
UNDEVELOPED LANDS	NO

GENERAL NOTES:

1. VILLAGE OF WARWICK TAX MAP DESIGNATION: SEC. 208, BLK. 2, LOT 1.2.
2. TOTAL AREA OF PARCEL: 47,361 S.F. PER SURVEY
3. ENTIRE PARCEL IS LOCATED IN THE L1 ZONING DISTRICT.
4. BOUNDARY INFORMATION FROM MAP ENTITLED "SURVEY, SITE PLAN AND TOPOGRAPHY PREPARED FOR: WARWICK VALLEY 13 FORESTER LLC" BY: STEVEN M. BEYK, PROFESSIONAL LAND SURVEYOR.
5. PROPOSED BUILDING TO BE SERVICED BY MUNICIPAL WATER AND SEWER.
6. ALL TREE CUTTING SHALL BE LIMITED TO BETWEEN NOVEMBER 1 THROUGH MARCH 31.

13 FORESTER, LLC

SEC. 208, BLK. 2, LOT 1.2  
VILLAGE OF WARWICK, ORANGE COUNTY, NEW YORK

# SITE PLAN

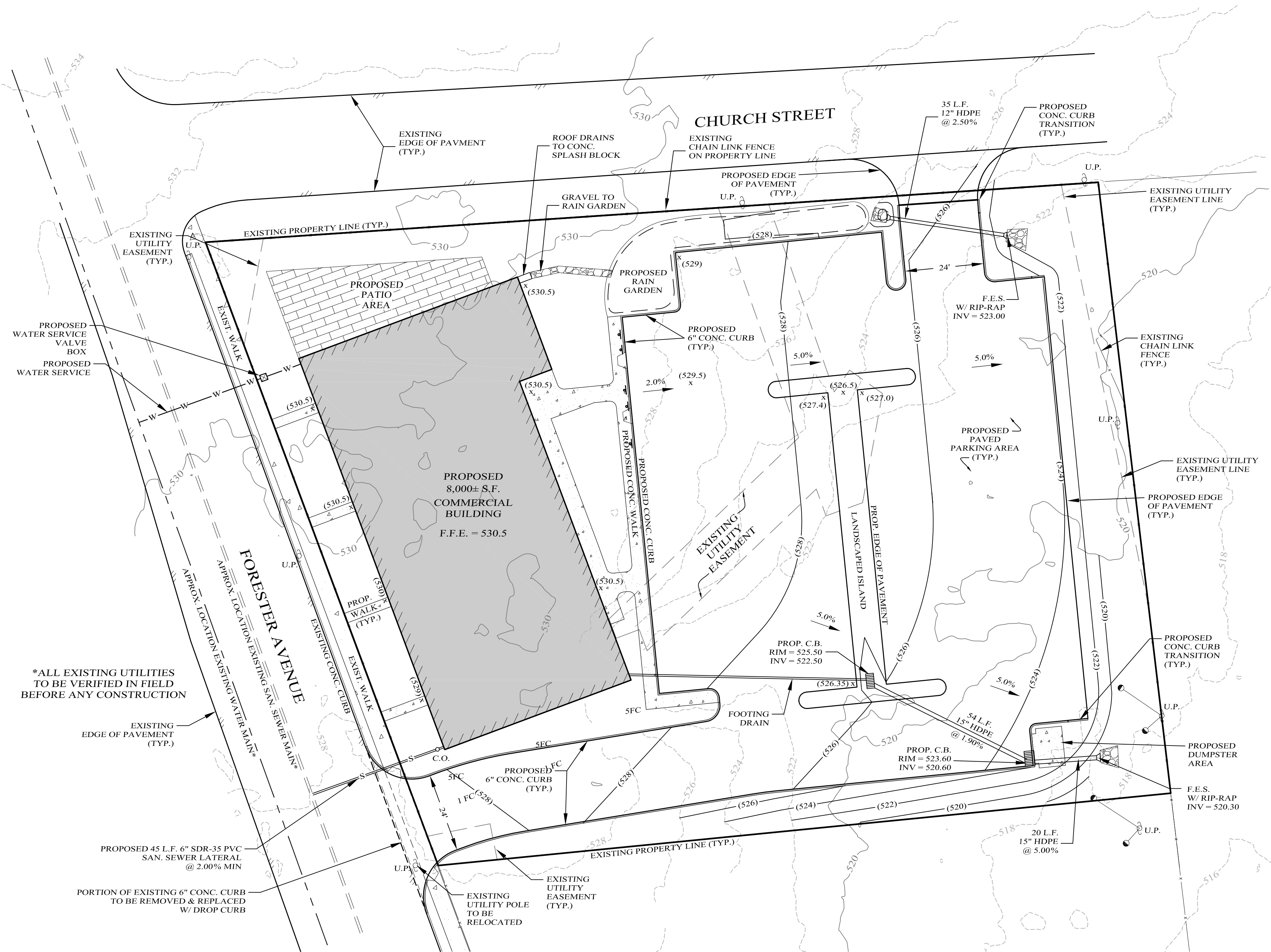
**KIRK ROTHER, P.E.**  
CONSULTING ENGINEER, PLLC

5 St. Stephens Lane, Warwick, NY 10990  
(845) 988-0620

05-24-22		REV. PER VILLAGE ENGINEER'S COMMENTS					
04-25-22		INITIAL PREPARATION					
DATE		REVISIONS		KIRK ROTHER, P.E. N.Y.S. LIC. NO. 079053			
UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A DOCUMENT BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUBDIVISION 1 OF THE NEW YORK STATE EDUCATION LAW. REPRODUCTIONS OF THIS PLAN WHICH DO NOT BEAR THE ORIGINAL SEAL OF A LICENSED PROFESSIONAL ENGINEER SHALL BE CONSIDERED INVALID.				D.O.T. SHEET #	D.E.C. SHEET #	C.O.S.D. SHEET #	SHEET #
				N.A.	N.A.	N.A.	
				CAD #	PROJECT #	SCALE	
				24125P	20142.0	AS NOTED	

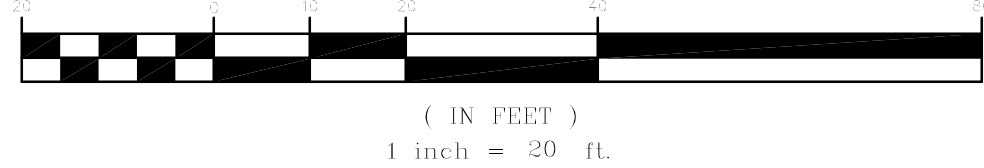
UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A DOCUMENT BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW. REPRODUCTIONS OF THIS PLAN WHICH DO NOT BEAR THE ORIGINAL SEAL OF A LICENSED PROFESSIONAL ENGINEER SHALL BE CONSIDERED INVALID.	D.O.T. SHEET #	D.E.C. SHEET #	C.S.D. SHEET #	SHEET #
	N.A.	N.A.	N.A.	1 OF 6
CAD #	PROJECT #	SCALE		
20142SP	20142.0	AS NOTED		





\*ALL EXISTING UTILITIES  
TO BE VERIFIED IN FIELD  
BEFORE ANY CONSTRUCTION

PLAN  
GRAPHIC SCALE



LEGEND

EXISTING PROPERTY LINE	---
EXISTING 10' CONTOUR LINE	---
EXISTING 2' CONTOUR LINE	---
PROPOSED CONTOUR LINE	---
EXISTING EDGE OF PAVEMENT	---
EXISTING STONEWALL	---
EXISTING FENCE	---
EXISTING OVER HEAD UTILITIES	---
PROPOSED EDGE OF PAVEMENT	---
PROPOSED CONC. CURB	---
BUILDING SETBACK LINE	---
EXISTING EASEMENT LINE	---

13 FORESTER, LLC

SEC. 208, BLK. 2, LOT 1.2  
VILLAGE OF WARWICK, ORANGE COUNTY, NEW YORK  
PROJECT TITLE

GRADING & UTILITY  
PLAN

DRAWING TITLE

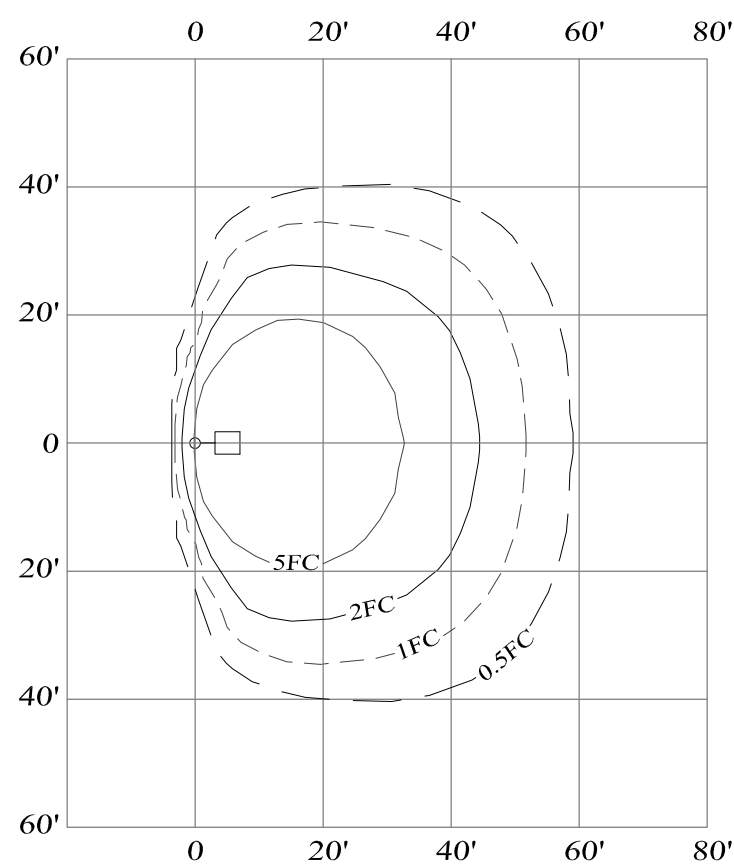
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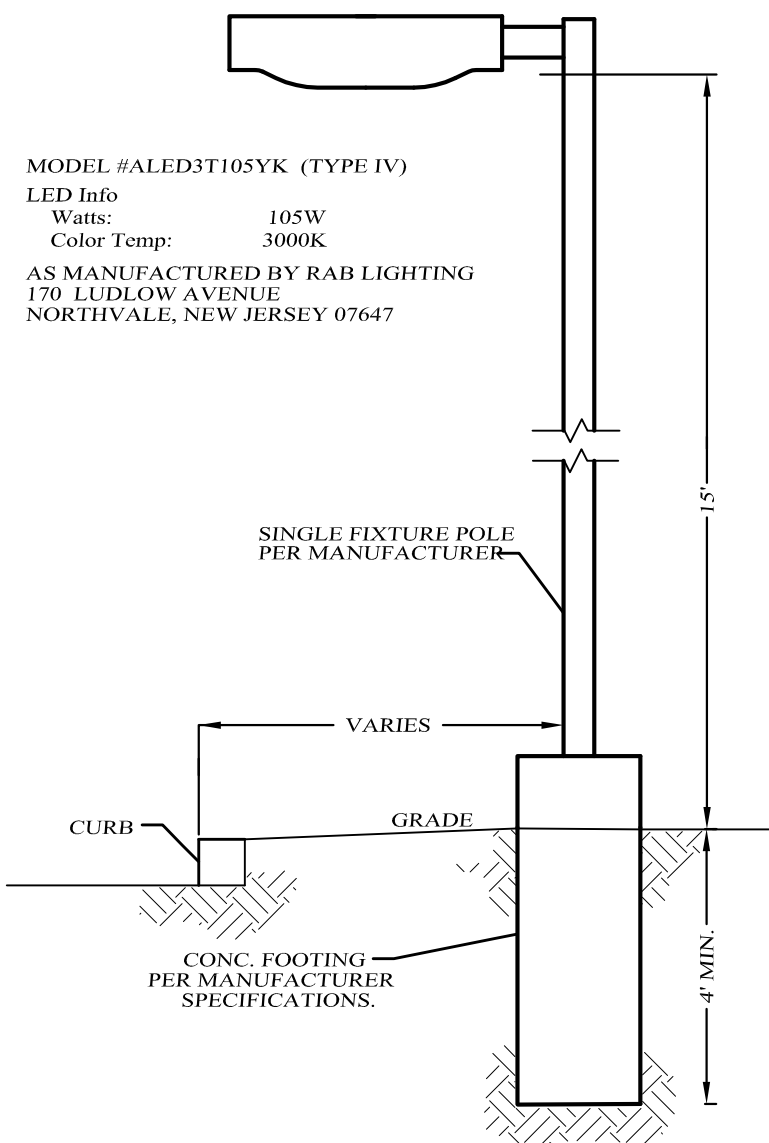
05-24-22	REV. PER VILLAGE ENGINEER'S COMMENTS
04-25-22	INITIAL PREPARATION
DATE	REVISIONS

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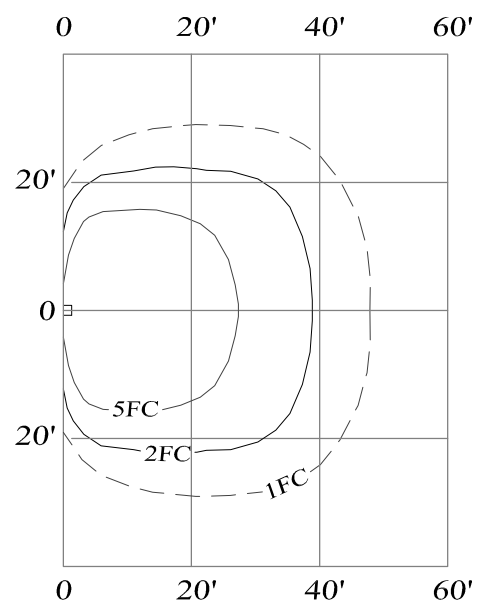
D.O.T. SHEET #	D.E.C. SHEET #	O.C.S.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	2 OF 6
CAD #	PROJECT #	SCALE	
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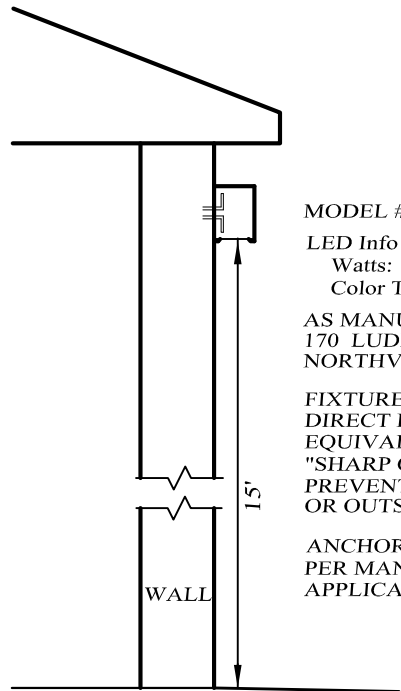
**POLE MOUNTED LIGHT 15' HIGH**  
**ISOMETRIC FOOTPRINT**  
MODEL #ALED3T105YK (TYPE IV)  
AS MANUFACTURED BY RAB LIGHTING, INC



**POLE MOUNTED SINGLE LIGHT DETAIL**  
NOT TO SCALE

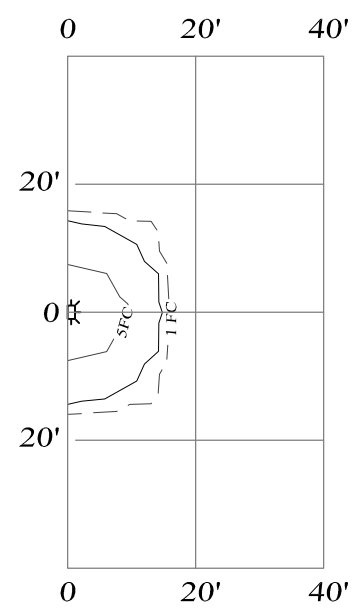


**WALL MOUNTED LIGHT 15' HIGH**  
**ISOMETRIC FOOTPRINT**  
MODEL #WPLED104Y  
AS MANUFACTURED BY RAB LIGHTING, INC

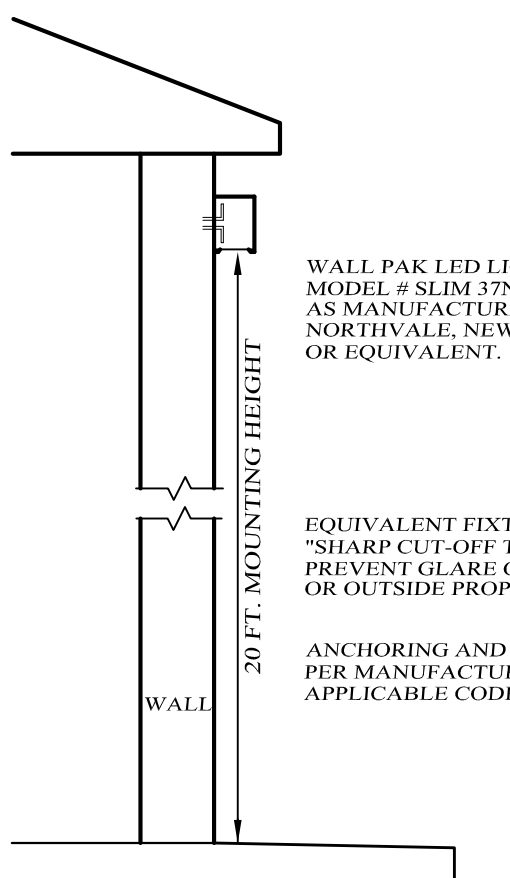


**WALL MOUNTED LIGHT DETAIL**  
NOT TO SCALE

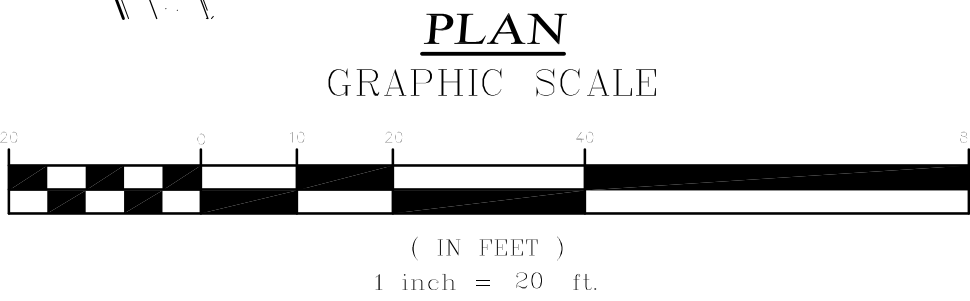
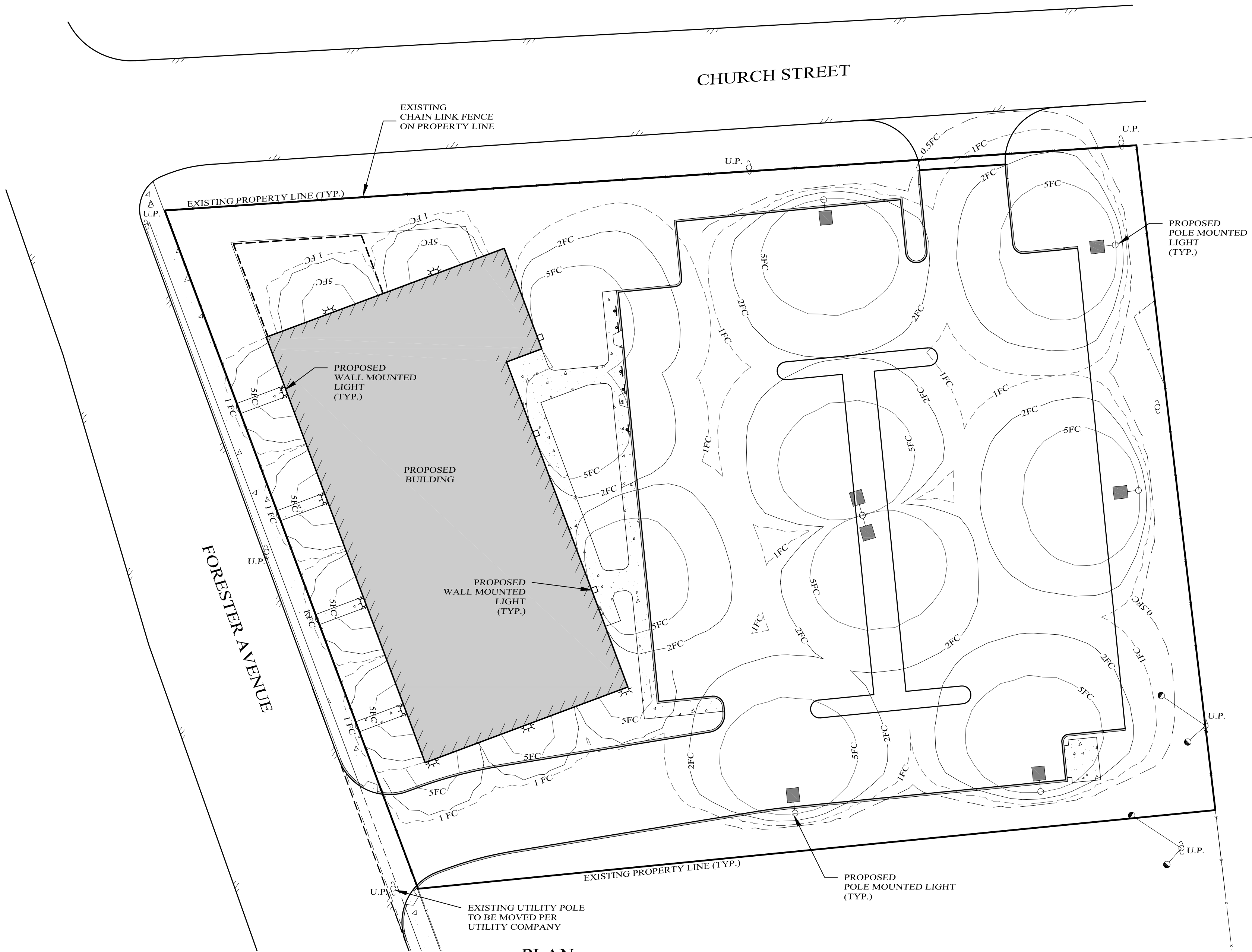
- LIGHTING NOTES:**
1. LIGHTING TO PROVIDE AN AVERAGE 1.0 FOOT-CANDLE LUMINESCENCE IN ALL PEDESTRIAN AREAS
  2. THERE SHALL BE NO SPILL OVER OF GLARE OUTSIDE PROPERTY LINE. FIXTURES SHALL BE EQUIPPED WITH "HOUSE SIDE SHIELDS" TO ESTABLISH A SHARP CUTOFF OF LIGHT BEHIND THE PROPOSED FIXTURE.



**WALL MOUNTED LIGHT 15' HIGH**  
**ISOMETRIC FOOTPRINT**  
MODEL #MODEL #SLIM 37N  
AS MANUFACTURED BY RAB LIGHTING, INC



**WALL MOUNTED LIGHT DETAIL**  
NOT TO SCALE



LEGEND	
EXISTING PROPERTY LINE	---
EXISTING EDGE OF PAVEMENT	==
PROPOSED EDGE OF PAVEMENT	==
PROPOSED CONC. CURB	---

## 13 FORESTER, LLC

SEC. 208, BLK. 2, LOT 1.2  
VILLAGE OF WARWICK, ORANGE COUNTY, NEW YORK

PROJECT TITLE

### LIGHTING PLAN

DRAWING TITLE

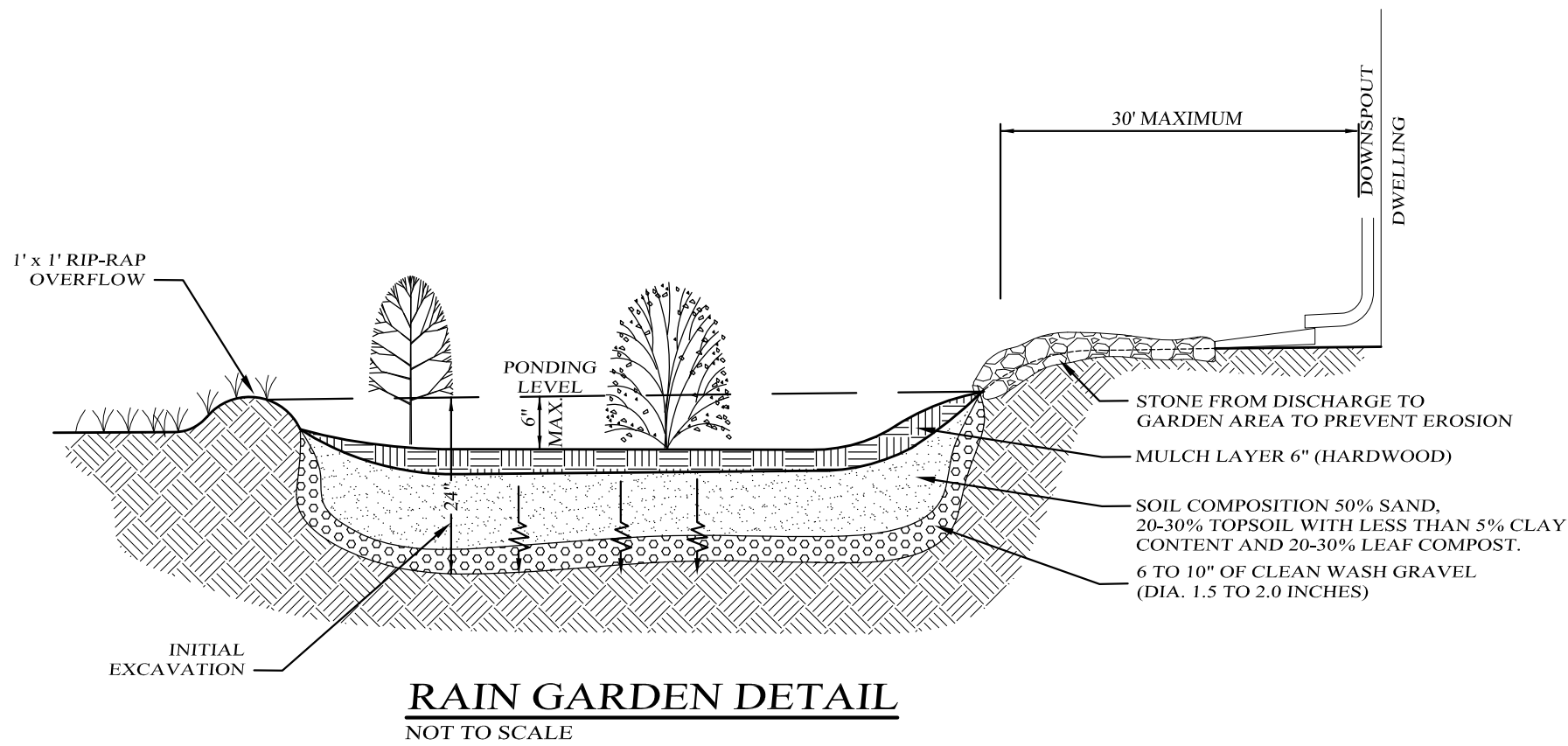
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N.A.	N.A.	N.A.	3 OF 6
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20142SP	20142.0	AS NOTED	



#### NOTES:

1. RELATIVELY FLAT SLOPES ARE REQUIRED TO ACCOMADATE RUNOFF FILTERING THROUGH THE SYSTEM, WHEN MODERATE SLOPES ARE PRESENT THE USE OF A BERM OR WALL MAY BE REQUIRED.
2. RUNOFF MUST ENTER AT THE SURFACE.
3. USE PLANTS AND SHRUBS WHICH ARE NATIVE TO THE SURROUNDING COMMUNITY THE FOLLOWING IS A LIST OF PLANTS AND SHRUBS WHICH CAN BE USED TO STABILIZE THE PONDING AREA BUT ARE NOT LIMITED TO:
  - SHURBS-WITCH HAZEL, WINTERBERRY, ARROWWOOD, BROOK-SIDE ALDER, RED-OSIER DOGWOOD, SWEET PEPPERBUSH.
  - HERBACEOUS PLANTS-CINNAMON FERN, CUTLEAF CONEFLOWER, WOODGRASS, NEW ENGLAND ASTER, FOX SEDGE.
  - SPOTTED JOE-PYE WEED, SWITCH GRASS, GREAT BLUE LOBELIA, WILD BERGAMOT, RED MILKWEED.
5. WEEDING AND WATERING ARE ESSENTIAL FOR THE FRIST YEAR TO ESTABLISH HARDY GROWTH. REPLCE PLANTS AS REQUIRED.
6. LENGTH TO WIDTH RATIO OF 2:1, WITH THE LONG AXIS PERPENDICULAR TO THE SLOPE OF THE FLOW PATH.

#### RAIN GARDEN WATER QUALITY CALCULATION

**I**, % Impervious Area =  $0.18/0.25 = 72\%$

**P**, Orange Cty = **0.12 ft.**

**Rv** =  $0.05 + 0.009 I = 0.05 + (0.009)(72) = 0.70$

**WQv** =  $(P)(Rv)(A) = (0.12)(0.25)(0.70) = 0.021$  acre-ft = **915 c.f. = WQv required**

**WQv Provided for 850 s.f. Rain Garden =**

**WQv** = (Volume of Soils Media c.f.) + (Vol. of Gravel Drainage Layer c.f.) + (Depth of Ponding ft. x Rain Garden Surface Area s.f.)

**Vsm** = (Rain Garden Surface Area c.f.) (Depth of soils media ft.) (porosity of soils %)

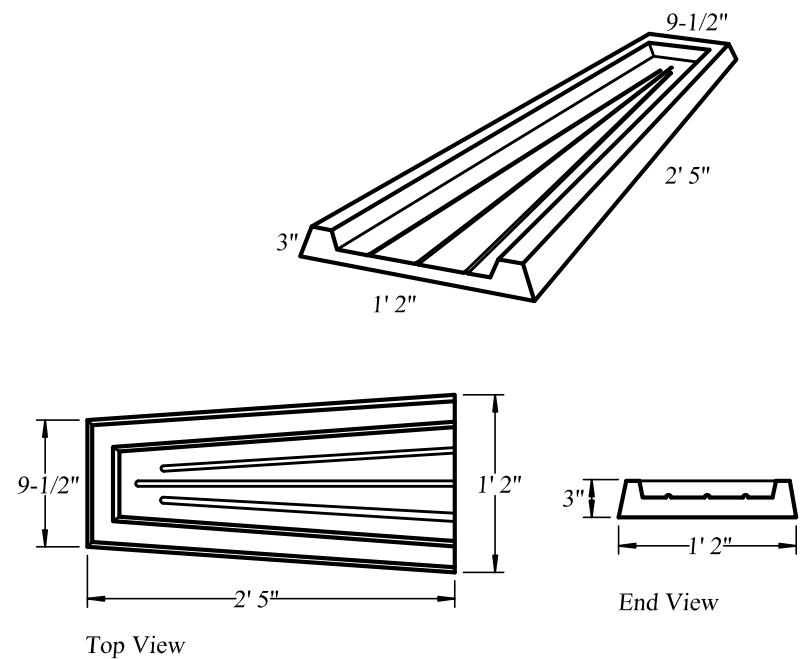
**Vsm** =  $(850.0) (1.5) (0.2) = 255$

**Vdl** = (Rain Garden Surface Area c.f.) (Depth of drainage layer ft.) (porosity of gravel %)

**Vdl** =  $(850.0) (0.80) (0.40) = 272$

**WQv** =  $255 + 272 + (0.5 \times 850) = 255 + 272 + 425 = 952$

**WQv Provided = 952 c.f. WQv**

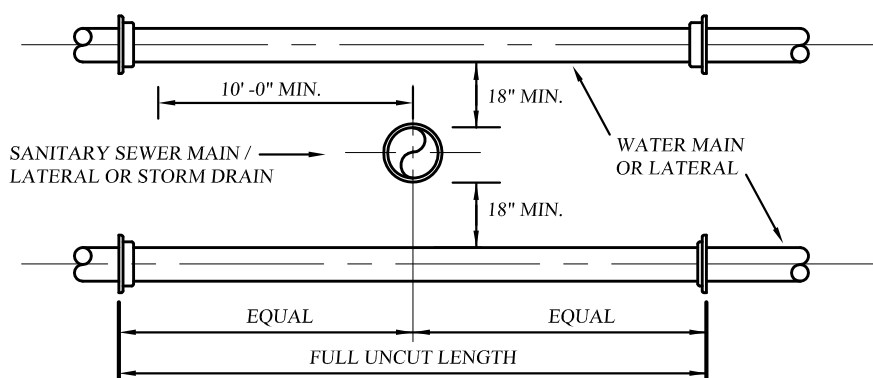


#### NOTE:

AS MANUFACTURED BY WOODARD'S CONCRETE MODEL SSB OR APPROVED EQUAL.

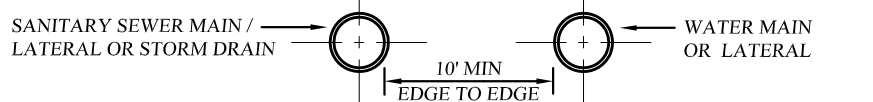
#### CONCRETE SPLASH PAD DETAIL

NOT TO SCALE



#### VERTICAL SEPARATION DETAIL

NOT TO SCALE



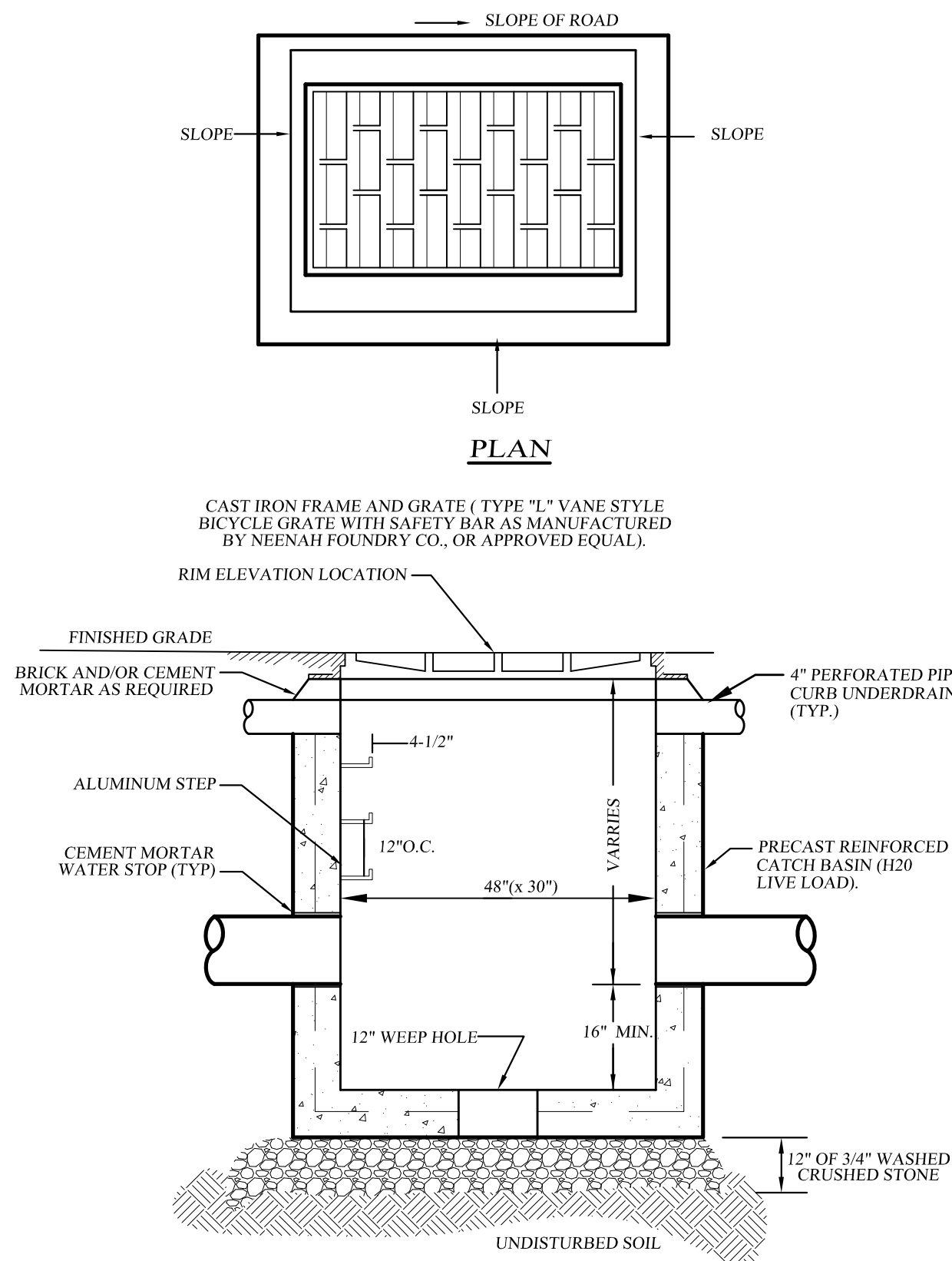
#### HORIZONTAL SEPARATION DETAIL

NOT TO SCALE

**NOTES:** THE SEPARATION REQUIREMENT SHALL CONFORM TO CURRENT ORANGE COUNTY DEPARTMENT OF HEALTH STATUTES, CODES, RULES, REGULATIONS AND LAWS AS THEY APPLY. ANY DEVIATION FROM THE ABOVE SEPARATION REQUIREMENTS SHALL REQUIRE WRITTEN APPROVAL FROM THE ORANGE COUNTY DEPARTMENT OF HEALTH.

#### WATER/SEWER SEPARATION REQUIREMENTS

NOT TO SCALE

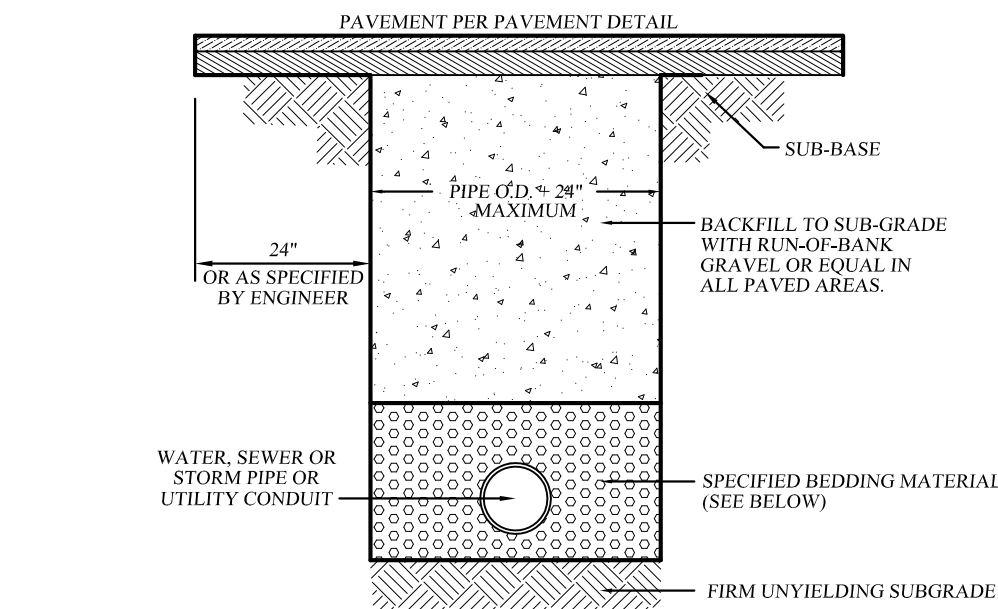


#### NOTES:

1. BACKFILL AROUND CATCH BASIN TO BE COMPACTED IN MAX. 8" LIFTS.
2. THE ENDS OF ALL PIPES SHALL BE CUT OFF FLUSH WITH THE INSIDE SURFACE OF CATCH BASIN AND ADEQUATELY MORTARED.
3. PRECAST CONCRETE TO BE 4000 PSI @ 28 DAYS

#### PRECAST CONCRETE CURB INLET DETAIL

NOT TO SCALE



#### MATERIALS

PIPE ZONE BEDDING MATERIAL:

1. WATER MAINS: SAND OR RUN-OF-BANK GRAVEL, AS APPROVED BY SOILS ENGINEER.
2. SEWER MAINS: 1/4" CRUSHED STONE.

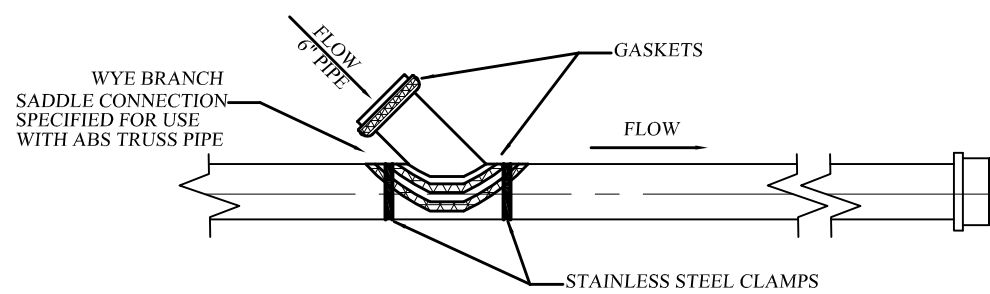
PIPE ZONE BACKFILL MATERIAL:

1. WATER MAINS: ON-SITE MATERIAL FREE OF STONE, CLAY FOREIGN MATERIAL OR FROZEN EARTH AS APPROVED BY SOILS ENGINEER.
2. SEWER MAINS: 1/4" CRUSHED STONE.

#### PIPE BEDDING AND BACKFILL DETAIL

NOT TO SCALE

#### DETAIL (WITHIN SITE)



#### NOTES:

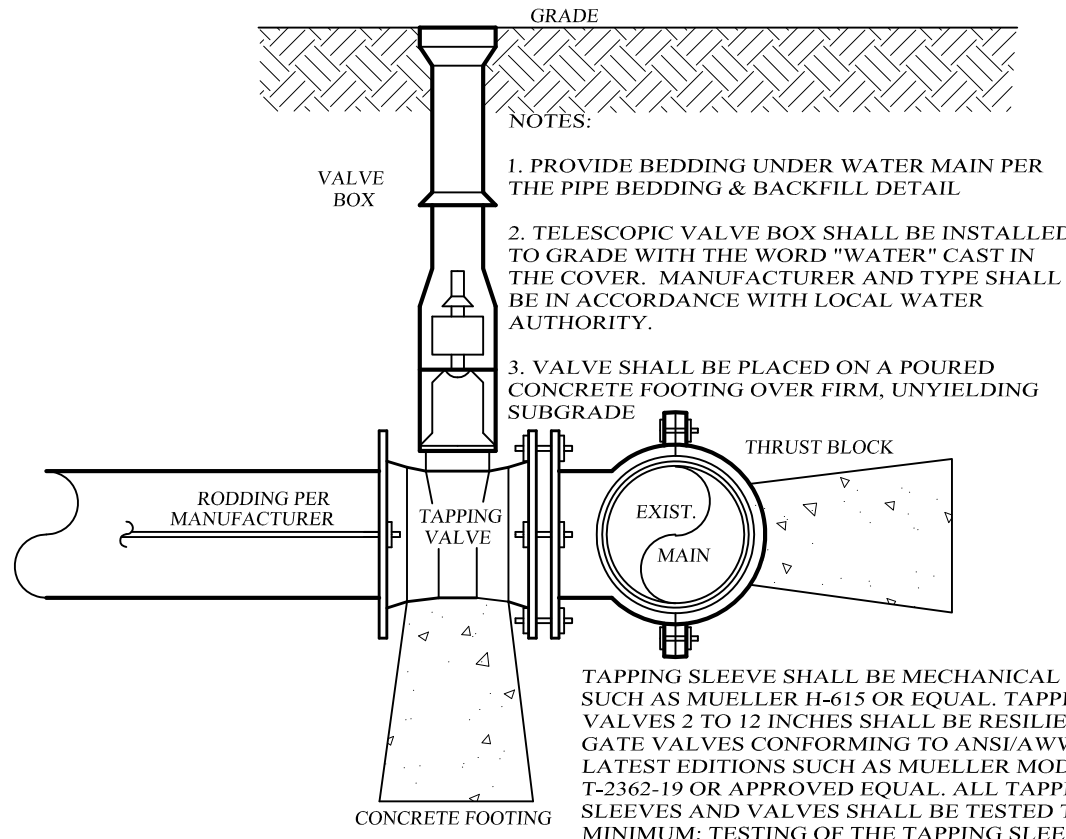
1. INSTALLATION AND MATERIALS OF THE SADDLE CONNECTION TO CONFORM WITH THE VILLAGE OF WARWICK SEWER DEPT. CRITERIA. THERE WILL BE NO DEVIATION FROM THE APPROVED PLAN WITHOUT WRITTEN APPROVAL FROM THE VILLAGE OF WARWICK.

#### SECTION

(REFER TO SANITARY SEWER SPECIFICATION NOTES FOR MODEL #S AND MATERIALS REQUIRED)

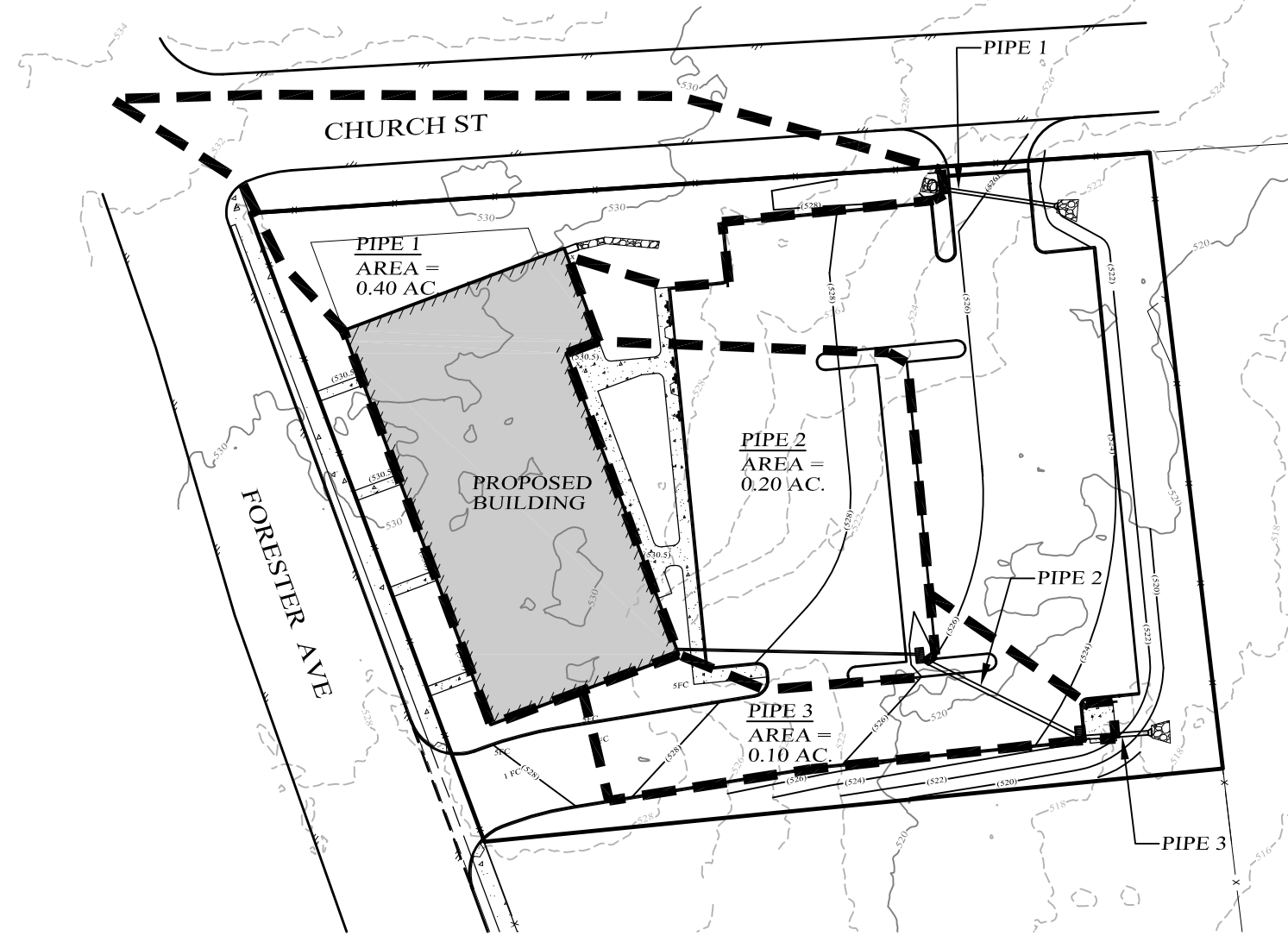
#### SADDLE CONNECTION DETAIL

NOT TO SCALE



#### WATER MAIN TAPPING VALVE DETAIL

NOT TO SCALE



#### STORMWATER PIPE TRIBUTARY AREA

SCALE: 1" = 50'

#### STORMWATER PIPE 1

RATIONAL METHOD - 25 YEAR STORM

**Q** =  $(C)(I)(A)$

**C** = 0.7

**I** = 7.5 IN/HR

**A** = 0.40 AC.

**Q** =  $(0.7)(7.5)(0.40)$

**Q** = 1.68 CFS

#### MANNING PIPE CALCULATOR

Given Input Data:

Shape ..... Circular  
Solving for ..... **Depth of Flow**  
Diameter ..... 1.0000 ft  
Flowrate ..... 1.6800 cfs  
Slope ..... 0.0250 ft/ft  
Manning's n ..... 0.0120

Computed Results:

**Depth** ..... **0.3586 ft**  
**Area** ..... 0.7854 ft<sup>2</sup>  
**Wetted Area** ..... 0.2533 ft<sup>2</sup>  
**Wetted Perimeter** ..... 1.2842 ft  
**Perimeter** ..... 3.1416 ft  
**Velocity** ..... 6.6337 fps  
**Hydraulic Radius** ..... 0.1972 ft  
**Percent Full** ..... 35.8645 %  
**Full flow Flowrate** ..... 6.1027 cfs  
**Full flow velocity** ..... 7.7702 fps

#### STORMWATER PIPE 2

RATIONAL METHOD - 25 YEAR STORM

**Q** =  $(C)(I)(A)$

**C** = 0.9

**I** = 7.5 IN/HR

**A** = 0.20 AC.

**Q** =  $(0.9)(7.5)(0.20)$

**Q** = 1.35 CFS

#### MANNING PIPE CALCULATOR

Given Input Data:

Shape ..... Circular  
Solving for ..... **Depth of Flow**  
Diameter ..... 1.2500 ft  
Flowrate ..... 1.3500 cfs  
Slope ..... 0.0190 ft/ft  
Manning's n ..... 0.0120

Computed Results:

**Depth** ..... **0.3159 ft**  
**Area** ..... 1.2272 ft<sup>2</sup>  
**Wetted Area** ..... 0.2436 ft<sup>2</sup>  
**Wetted Perimeter** ..... 1.3168 ft  
**Perimeter** ..... 3.9270 ft  
**Velocity** ..... 5.5418 fps  
**Hydraulic Radius** ..... 0.1850 ft  
**Percent Full** ..... 25.2727 %  
**Full flow Flowrate** ..... 9.6462 cfs  
**Full flow velocity** ..... 7.8605 fps

#### STORMWATER PIPE 3

RATIONAL METHOD - 25 YEAR STORM

**Q** =  $(C)(I)(A)$

**C** = 0.9

**I** = 7.5 IN/HR

**A** = 0.30 AC. (PIPE AREA 2 + 3)

**Q** =  $(0.9)(7.5)(0.30)$

**Q** = 2.03 CFS

#### MANNING PIPE CALCULATOR

Given Input Data:

Shape ..... Circular  
Solving for ..... **Depth of Flow**  
Diameter ..... 1.2500 ft  
Flowrate ..... 2.0300 cfs  
Slope ..... 0.0500 ft/ft  
Manning's n ..... 0.0120

Computed Results:

**Depth** ..... **0.3041 ft**  
**Area** ..... 1.2272 ft<sup>2</sup>  
**Wetted Area** ..... 0.2308 ft<sup>2</sup>  
**Wetted Perimeter** ..... 1.2894 ft  
**Perimeter** ..... 3.9270 ft  
**Velocity** ..... 8.7950 fps  
**Hydraulic Radius** ..... 0.1790 ft  
**Percent Full** ..... 24.3241 %  
**Full flow Flowrate** ..... 15.6483 cfs  
**Full flow velocity** ..... 12.7513 fps

## 13 FORESTER, LLC

SEC. 208, BLK. 2, LOT 1.2  
VILLAGE OF WARWICK, ORANGE COUNTY, NEW YORK  
PROJECT TITLE

## DRAINAGE & SANITARY DETAILS

DRAWING TITLE

## KIRK ROTHER, P.E. CONSULTING ENGINEER, PLLC

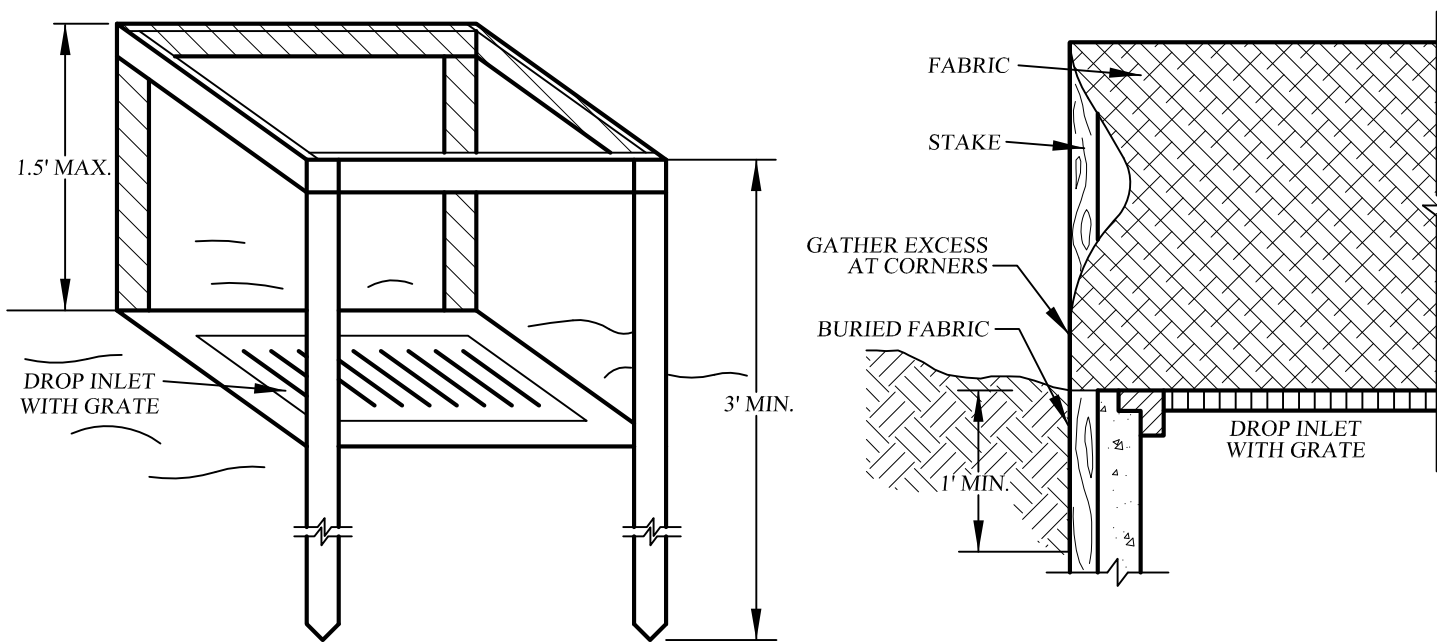
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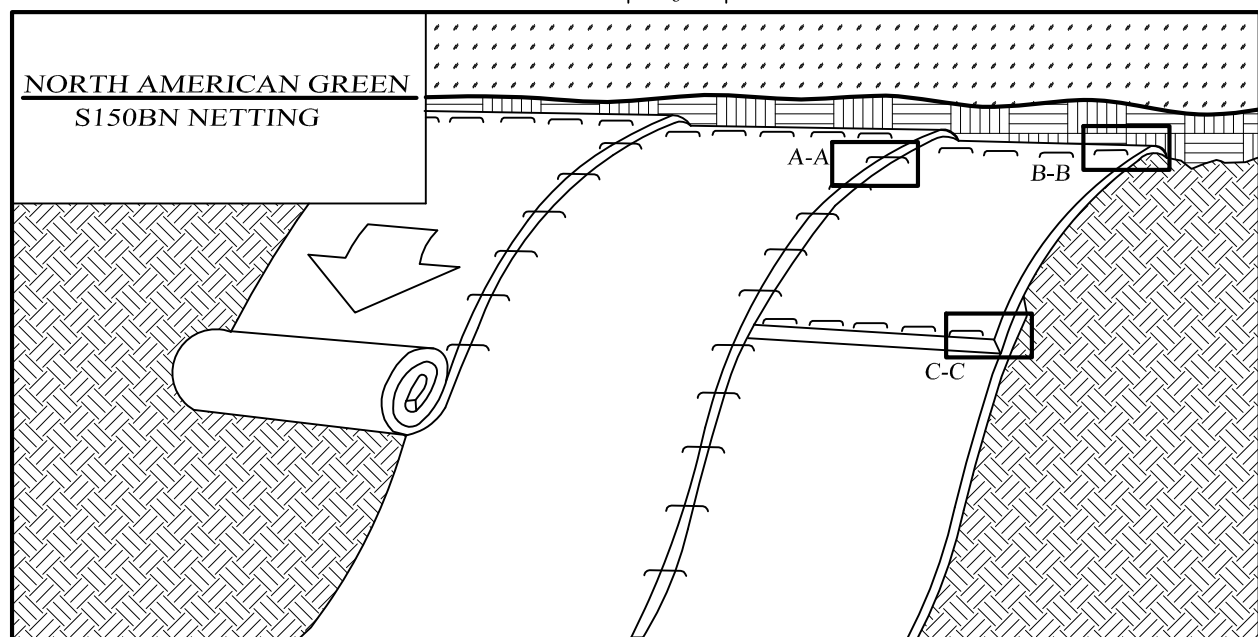
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N.A.	N.A.	N.A.	5 OF 6
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1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY SHALL BE MADE AT THE NEXT STAKE LINE.
3. STAKE MATERIALS WILL BE STANDARD 2" X 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. STAKE MATERIALS WILL BE ROUNDED AROUND INLET 3 FEET APART AND DRIVE A MINIMUM OF 18" DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FILTER FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. 45% OF WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVERFLOW STABILITY.

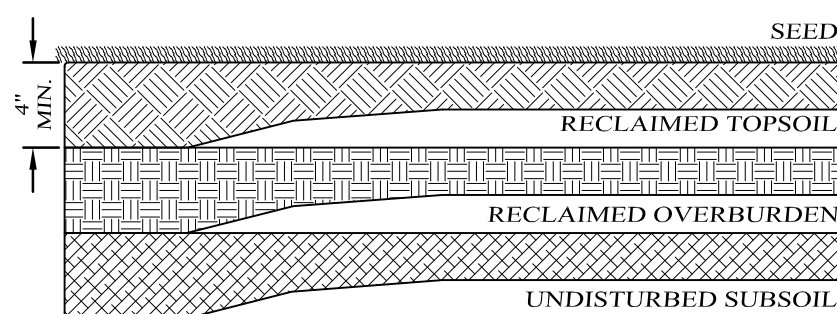


1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECPs), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, SEED, OR MULCH. RECPs ARE TO BE INSTALLED WITH THE CELL-OR-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN. A MINIMUM OF INCHES OF TOPSOIL SHALL BE ADDED PRIOR TO STABILIZATION.
2. UNROLL RECPs TO THE TRENCH. RECPs SHALL BE 12" (30 CM) WIDE, 12" (30 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30 CM) OF RECPs TO BE PLACED AT THE BOTTOM OF THE TRENCH. RECPs SHALL BE PLACED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART. THE BOTTOM OF THE TRENCH, BACKFILL AND COMPACT THE TRENCH AFTER THE RECPs ARE PLACED. RECPs SHALL BE PLACED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART. A PORTION OF RECPs BACK OVER SEED AND COMPACTED SOIL. SECURE RECPs OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART. RECPs SHALL BE PLACED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART.
3. ROLL THE RECPs (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. RECPs WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. RECPs MUST BE PLACED WITH THE STAPLES/STAKES AGAINST THE SOIL SURFACE. STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED AT THE CORNERS OF THE COLORED DOT CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL RECPs MUST BE STAPLED WITH APPROXIMATELY 2' (60 CM) APART.
5. CONSECUTIVE RECPs SPLICED DOWN THE SLOPE MUST BE PLACED END TO END (SINGLE STYLE) WITH AN APPROXIMATE 1" (2.5 CM) OVERLAP. STAPLES/STAKES MUST BE PLACED AT THE CORNERS OF THE COLORED DOT, 12" (30 CM) APART ACROSS THE ENTIRE RECPs WIDTH.

SLOPES SHALL BE HYDROSEEDED WITH THE MIXTURES AND RATES INDICATED IN THE PERMANENT SEEDING MIXTURE SCHEDULE. STRAW OR HAY MULCH SHALL BE APPLIED AT A RATE OF 2 TONS/ACRE. STRAW OR HAY MULCH SHALL BE ANCHORED WITH BioD-Mesh60 NETTING AS MANUFACTURED BY RoLANKA INTERNATIONAL OR APPROVED EQUIVALENT. NETTING TO BE INSTALLED PER MANUFACTURER SPECIFICATIONS.

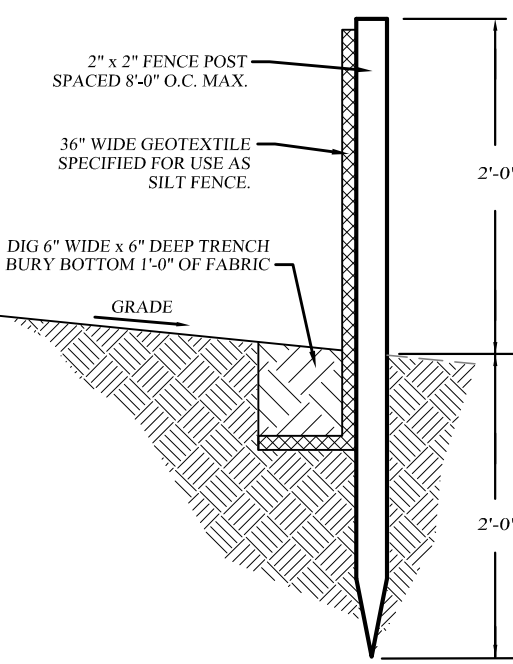
AREAS SHALL BE SEED BY HYDROSEEDING OR BROADCASTING WITH THE MIXTURES AND RATES INDICATED ON THE PERMANENT SEEDING MIXTURE SCHEDULE. HYDROSEEDED AREAS SHALL BE MULCHED WITH A WOOD FIBER MULCH APPLIED AT A RATE OF 500 LBS/ACRE. BROADCAST AREAS SHALL MULCHED WITH HAY OR STRAW AT A RATE OF 2 TONS/ACRE. AREAS SEED BY BROADCASTING SHALL BE LIGHTLY RAKED AND PACKED PRIOR TO PLACING MULCH.

EXISTING PROPERTY LINE \_\_\_\_\_  
 EXISTING 10' CONTOUR LINE \_\_\_\_\_  
 EXISTING 2' CONTOUR LINE \_\_\_\_\_  
 PROPOSED CONTOUR LINE \_\_\_\_\_ (520) \_\_\_\_\_  
 EXISTING EDGE OF PAVEMENT \_\_\_\_\_  
 EXISTING STONEWALL \_\_\_\_\_  
 EXISTING FENCE \_\_\_\_\_  
 EXISTING OVER HEAD UTILITIES \_\_\_\_\_  
 PROPOSED EDGE OF PAVEMENT \_\_\_\_\_  
 PROPOSED CONC. CURB \_\_\_\_\_  
 BUILDING SETBACK LINE \_\_\_\_\_  
 EXISTING EASEMENT LINE \_\_\_\_\_

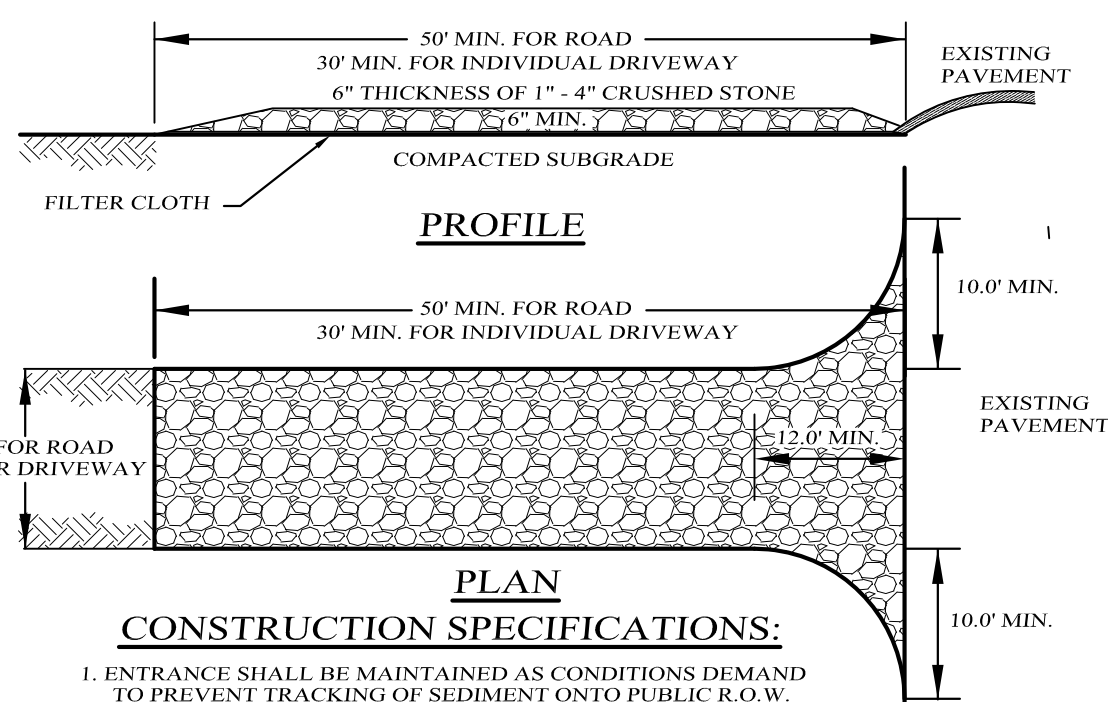


NOT TO SCALE

FENCE PROPERTIES	MINIMUM VALUE	STANDARD
GRAB TENSILE STRENGTH (LBS)	90	ASTMD 1682
ELONGATION AT FAILURE(%)	50	ASTM D1682
MULEN BURST STRENGTH (PSI)	190	ASTM D3786
PUNCTURE STRENGTH (LBS)	40	ASTM D751 (MODIFIED)
GURRY FLOW RATE (GL/GM/INSE)	0.3	
EQUILIVENT OPENING SIZE	40-80	US STD SIEVE W-02215
ULTRAVIOLET RADIATION STABILITY (%)	90	ASTM G-26

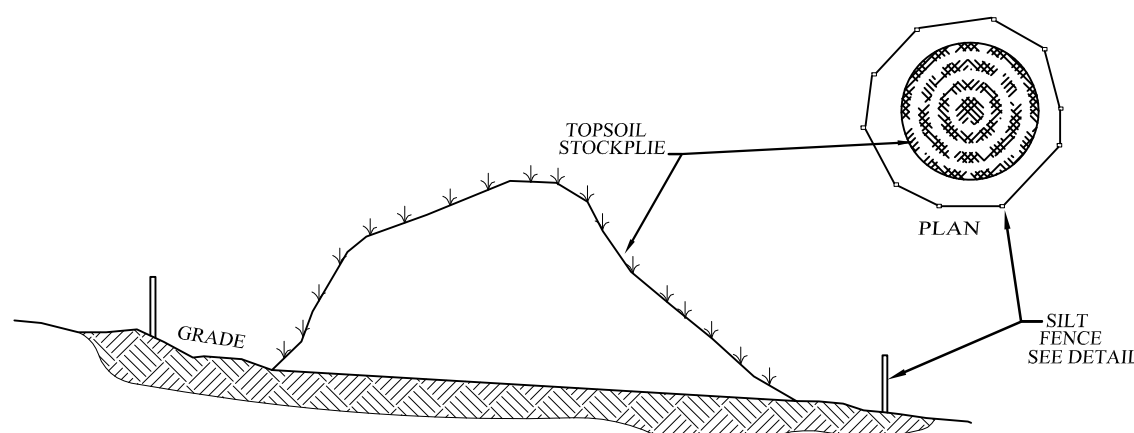


1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION
3. ALL SILT FENCES SHALL RUN PARALLEL TO THE CONTOUR OF THE LAND.
4. ALL SILT FENCING SHALL MEET THE MINIMUM REQUIREMENTS AS STATED UNLESS OTHERWISE NOTED AND APPROVED BY THE BUILDING INSPECTOR AND ENGINEER.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL SHALL BE REMOVED

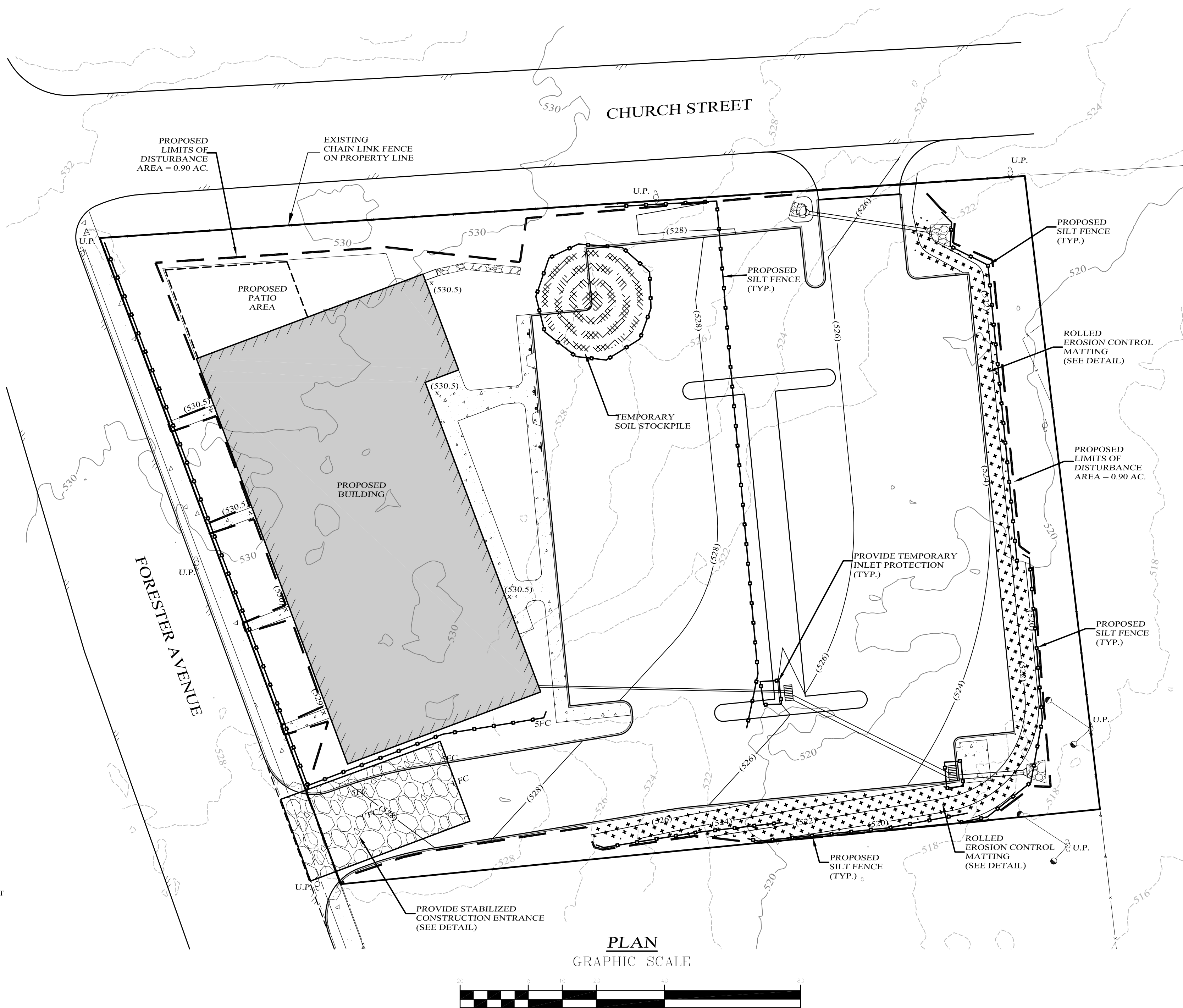


CONSTRUCTION SPECIFICATIONS:

1. ENTRANCE SHALL BE MAINTAINED AS CONDITIONS DEMAND TO PREVENT TRACKING OF SEDIMENT ONTO PUBLIC R.O.W. ALL SEDIMENT SPILLS OR TRACKING OF SEDIMENT ONTO PUBLIC R.O.W. MUST BE REMOVED IMMEDIATELY.
2. A CRUSHED STONE, VEHICLE WHEEL-CLEANING BLANKET SHALL BE INSTALLED AT THE ENTRANCE TO THE ROAD. INTERSECTS ANY PAVED ROADWAY. THE BLANKET SHALL BE COMPOSED OF 3/4" CRUSHED STONE. THE BLANKET SHALL BE AT LEAST 24" X 50' FOR THE ROAD ENTRANCE AND 24" X 30' FOR DRIVEWAYS. IT SHALL BE PLACED ON COMPACTED SUB-GRADE.
3. A FILTER CLOTH WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE CRUSHED STONE.
4. ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE IF POSSIBLE. IF NECESSARY, A MOUNTAIN BEAM WITH 5:1 SLOPES WILL BE PERMITTED.
5. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED.



- NOTES:
1. TOPSOIL STOCKPILE TO BE SEED AS PER THE TEMPORARY SEEDING SPECIFICATIONS
  2. SILT FENCE TO BE INSTALLED DOWN GRADIENT OF STOCKPILE.



AREAS REMAINING DISTURBED FOR 14 DAYS OR MORE SHALL BE STABILIZED AS FOLLOWS

SCARIFY SOILS IF COMPACTED, LIME TO pH OF 6.0 IF REQUIRED, FERTILIZE WITH 600 LBS/ACRE 5-10-10 FERTILIZER IF REQ., SEED WITH SPECIES AND RATE SHOWN BELOW, MULCH WITH HAY OR STRAW AT A RATE OF 2 TONS/ACRE, ANCHOR MULCH WITH NETTING OF WOOD FIBER OR JUTE IF STEEP SLOPE OR HIGH POTENTIAL FOR EROSION.

RYEGRASS (ANNUAL OR PERENNIAL) (USE WINTER RYE IF SEEDING IN OCT./NOV.)	APPLICATION RATE 30 LBS/ACRE (0.7 LBS/1000 SF)
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MODERATE TO STEEP SLOPES AND LOW MAINTENANCE AREAS

<u>MODERATE TO STEEP SLOPES AND LOW MAINTENANCE AREAS</u>	
<u>SPECIES</u>	<u>APPLICATION RATE</u>
EMPIRE BIRDSFOOT TREFLOI	5 LBS/ACRE
TALL FESCUE	20 LBS/ACRE
	5 LBS/ACRE
<u>GENERAL RECREATION AREAS AND LAWNS</u>	
<u>SPECIES</u>	<u>APPLICATION RATE</u>
SUNNY SITES (WELL, MODERATELY WELL AND SOMEWHAT POORLY DRAINED SOILS)	
65% KENTUCKY BLUEGRASS BLEND	85-114 LBS/ACRE
20% PERENNIAL RYEGRASS	26-35 LBS/ACRE
15% FINE FESCUE	19-26 LBS/ACRE
<u>SUNNY DROUGHTY SITES (SOMEWHAT TO EXCESSIVELY DRAINED SOILS)</u>	
65% FINE FESCUE	114-143 LBS/ACRE
15% PERENNIAL RYEGRASS	26-33 LBS/ACRE
20% KENTUCKY BLUEGRASS BLEND	35-44 LBS/ACRE

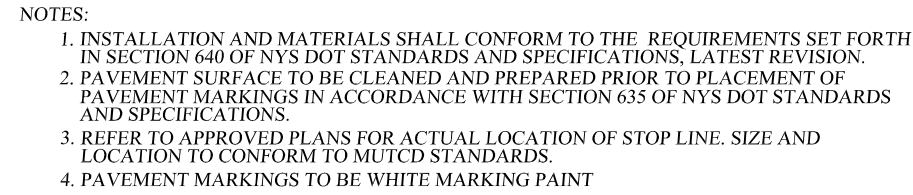
- A. INSTALL NEEDED WATER AND EROSION CONTROL MEASURES AND BRING AREA TO BE SEED TO DESIRED GRADES USING A MINIMUM OF 4" OF TOPSOIL.
- B. PREPARE SEED BED BY LOOSENING SOIL TO A DEPTH OF 4-6 INCHES
- C. LIME TO A pH OF 6.5
- D. FERTILIZER PER SOIL TESTS, OR, IF FERTILIZER IS NOT TO BE APPLIED BEFORE SOIL TESTS, APPLY 850 POUNDS OF 10-10-10 OR EQUIVALENT PER ACRE (20 LBS. / 1000 SQ. FT.)
- E. INCORPORATE LINE, LINE AND FERTILIZER IN TOP 2 INCHES OF SOIL
- F. SMOOTH. REMOVE ALL STONES OVER 1" IN DIAMETER, STICKS AND FOREIGN MATTER. FIRM SEED BED.
- G. APPLY SEED FOR PERMANENT SEEDING SCHEDULE.

**SHADY DRY SITES** (WELL TO SOMEWHAT POORLY DRAINED SOILS)  
80% SHADE TOLERANT KENTUCKY  
BLUEGRASS BLEND  
20% PERENNIAL RYEGRASS

**SHADY WET SITES** (SOMEWHAT POOR TO POORLY DRAINED SOILS)  
70% ROUGH BLUEGRASS  
80% SHADE TOLERANT KENTUCKY  
BLUEGRASS BLEND

				KIRK ROTHER, P.E. CONSULTING ENGINEER, PLLC 5 St. Stephens Lane, Warwick, NY 10990 (845) 988-0620
05-24-22	REV. PER VILLAGE ENGINEER'S COMMENTS			
04-25-22	INITIAL PREPARATION			
DATE	REVISIONS	<b>KIRK ROTHER, P.E.</b>		N.Y.S. LIC. NO. 079053      DATE
UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A DOCUMENT BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW. REPRODUCTIONS OF THIS PLAN WHICH DO NOT BEAR THE ORIGINAL SEAL OF A LICENSED PROFESSIONAL ENGINEER SHALL BE CONSIDERED INVALID.		D.O.T. SHEET #  N.A.  CAD # 20142SP	D.E.C. SHEET #  N.A.  PROJECT # 20142.0	O.C.S.D. SHEET #  N.A.  SCALE AS NOTED
		4 OF 6		





NOT TO SCALE



1. ALL HANDICAP MARKINGS SHALL CONFORM TO THE LATEST REVISION OF THE AMERICANS WITH DISABILITIES ACT, AND ALL OTHER APPLICABLE RULES AND REGULATIONS.
2. HANDICAPPED PARKING SHALL BE LOCATED AS CLOSE AS POSSIBLE TO ELEVATORS, RAMPS, WALKWAYS, AND HANDICAP ACCESSIBLE ENTRANCES. MAXIMUM DISTANCE FROM HANDICAP ACCESSIBLE ENTRANCES SHALL BE 200'.
3. HANDICAP PARKING SPACES SHALL BE CONSTRUCTED NEARLY LEVEL WITH THE MAXIMUM SLOPE NOT TO EXCEED 1:48 IN ANY DIRECTION.
4. EACH PARKING SPACE SHALL BE MARKED BY A HANDICAP SIGN, PAINTED, 34" WIDE X 60" HIGH HANDICAP SYMBOL, AND PAINTED WITH WHITE CHIPPING LETTERING TO BE 12" HIGH AND STRIPING SHALL BE 6" WIDE.

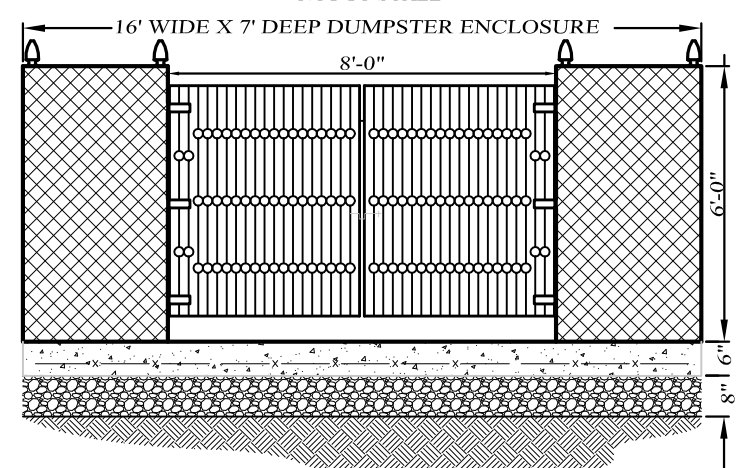
NOT TO SCALE



1. CONSTRUCTION OF ALL HANDICAP ACCESSABLE FEATURES SHALL CONFORM THE TO LATEST REVISION OF ALL APPLICABLE REGULATORY STANDARDS INCLUDING THE AMERICANS WITH DISABILITIES ACT.

### HANDICAP ACCESSIBLE RAMP DETAIL

NOT TO SCALE



- NOTES:

1. DUMPSTER PAD TO BE 6" THICK 3,000 PSI CONCRETE WITH WELDED WIRE MESH REINFORCEMENT. PAD SHALL BE PLACED ON 8" BED OF COMPACTED #57 GRAVEL.
2. DUMPSTER ENCLOSURE TO BE CONSTRUCTED OF 6' CHAIN LINK FENCE WITH PRIVACY INSERTS.
3. ENCLOSURE TO BE CONSTRUCTED ACCORDING TO VILLAGE BUILDING CODE REQUIREMENTS.
4. ALL FENCE COMPONENTS, INCLUDING FABRIC, POSTS, RAILS, ETC. SHALL HAVE A THERMALLY FUSED PVC COATED FINISH. COLOR SHALL BE DARK GREEN OR BLACK.
5. DUMPSTERS INSIDE ENCLOSURE SHALL NOT BE VISIBLE.

NOT TO SCALE



1. SIDEWALKS SHALL BE CAST IN PLACE CONCRETE WITH 1" DEEP JOINTS INSTALLED AT SPACING EQUAL TO THE SIDEWALK WIDTH.
2. CELLULOSE, OR EQUIVALENT, EXPANSION JOINTS SHALL BE INSTALLED 20' ON CENTER. JOINTS SHALL BE REINFORCED AGAINST CONCRETE CURBS, BUILDINGS OR OTHER STRUCTURES. AN EXPANSION JOINT SHALL BE INSTALLED ALONG THE ENTIRE LENGTH OF CONTACT.
3. JOINTS SHALL BE REINFORCED WITH 2" DIA. STEEL BARS TO POSITIVE DRAINAGE AND CONFORM TO THE LATEST REVISION OF ALL APPLICABLE LOCAL, STATE AND FEDERAL STANDARDS INCLUDING THE AMERICANS WITH DISABILITIES ACT.
4. MIX DESIGN SHALL BE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE GUIDELINES FOR CONCRETE EXPOSED TO FREEZING, THAWING AND DEICING. MINIMUM COMPRESSIVE STRENGTH SHALL BE 4,000 PSI. A CEMENTITIOUS RATIO OF 0.45 AND AIR ENTRAINMENT OF 1.2% FOR A 1" NOMIN. AGGREGATE SIZE. CONCRETE SHALL BE CURED FOR 28 DAYS.
5. FINISH SURFACE TO BE CONFORM TO THE TEST SPECIFICATIONS PERPENDICULAR TO THE DIRECTION OF SIDEWALK.

NOT TO SCALE



1. CURB SHALL BE CAST IN PLACE CONCRETE WITH CELLULOSE, OR EQUIVALENT, EXPANSION JOINTS INSTALLED AT TEN (10) FOOT INTERVALS.
2. MIX DESIGN SHALL BE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE GUIDELINES FOR CONCRETE EXPOSED TO FREEZING, THAWING AND DEICING CHEMICALS. CONCRETE SHALL HAVE A WATER-CEMENTITIOUS RATIO OF 0.45 AND AIR ENTRAINMENT OF 4 1/2% FOR A 1" NOMINAL AGGREGATE SIZE. CONCRETE TO TEST 4000 PSI AT 28 DAYS.

NOT TO SCALE



1. CURB SHALL BE CAST IN PLACE CONCRETE WITH CELLULOSE, OR EQUIVALENT, EXPANSION JOINTS INSTALLED AT TEN (10) FOOT INTERVALS.
2. MIX DESIGN SHALL BE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE GUIDELINES FOR CONCRETE EXPOSED TO FREEZING, THAWING, AND DE-ICING CHEMICALS. CONCRETE SHALL HAVE A WATER/CEMENTITIOUS RATIO OF 0.45 AND AIR ENTRAINMENT OF 4 1/2% FOR A 1" NOMINAL AGGREGATE SIZE. CONCRETE TO TEST 4000 PSI AT 28 DAYS.

NOT TO SCALE

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