LOT AREA, NET (S.F.) LOT AREA, GROSS (S.F.) FRONTAGE (FT.) FRONT YARD (FT.) REAR YARD (FT.) SIDE YARD (FT.) BUILDING COVERAGE (%) **BUILDING HEIGHT (STORIES)** — EXISTING EDGE OF PAVEMENT — CONCEPTUAL FUTURE CURB SEE SEPARATE ROAD WIDENING PLAN FOR ALL PROPOSED IMPROVEMENTS TO CAPTAIN CARPENTER ROAD — PROPOSED DROP CURB **EXISTING** BUILDING 20' WIDE DRAINAGE EASEMENT -AS PER FILED MAP #1837 PROPOSED RETAINING WALL** — EXISTING EDGE OF PAVEMENT AT&T COMMUNICATION SYSTEMS — 16.5' WIDE RIGHT-OF-WAY AND EASEMENT EXISTING GUIDE RAIL SHUL BUILDING TO BE REMOVED PROPOSED — 2 STORIES AND BASEMENT DUMPSTER AREA **EXISTING UTILITIES NOTE:** EXISTING UTILITIES INFORMATION INCLUDING, AT A MINIMUM, SEWER MAINS, SEWER MANHOLES, SEWER LATERAL STUB, SEWER INVERTS, CURBS, CATCH BASINS, DRAINAGE MANHOLES, DRAINAGE CULVERTS, DRAINAGE INVERTS, WATER MAIN, WATER VALVES, UTILITY POLES, ELECTIC BOXES AND ANY OTHER UTILITIES SHALL BE VERIFIED IN FIELD BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. ANY DISCREPANCIES COULD VOID THE UTILITY DESIGN AND SHALL BE REPORTED TO ENGINEER BEFORE CONSTRUCTION. — PROPOSED 6" CONC. CURB (TYP.) EXISTING ITEMS TO BE -EXISTING EDGE OF PAVEMENT RELOCATED OR REPLACED NOTE: LOCATIONS OF EXISTING ITEMS TO BE MOVED, MODIFIED OR REPLACED, INCLUDING: WALKWAYS, SIDEWALKS, STAIRS, DRIVEWAYS, MAILBOXES, EXISTING GARBAGE ENCLOSURES, PARKING AREAS, RETAINING WALLS, UTILITY EDGE OF PAVEMENT POLES, CURBS, RAILINGS, FENCES AND ANY OTHER FEATURES SHALL BE VERIFIED IN FIELD BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. PROPOSED 6" CONC. CURB ENGINEER OR HIGHWAY SUPERINTENDANT SHALL DETERMINE USABILITY - APPROXIMATE CENTERLINE OF ANY EXISTING FEATURE TO BE MOVED OR MODIFIED AS A RESULT OF OF EXISTING ROAD THE PROPOSED ROAD WIDENING. – PROPOSED

EDGE OF PAVEMENT

1 inch = 30 ft.

RETAINING WALL NOTE:

KIRYAS JOEL BUILDING DEPARTMENT.

EXISTING PROPERTY LINE **EXISTING 2' CONTOUR LINE**

EXISTING STONEWALL

EXISTING WIRE FENCE

EXISTING 10' CONTOUR LINE PROPOSED CONTOUR LINE

EXISTING EDGE OF PAVEMENT

PROPOSED EDGE OF PAVEMENT

EXISTING OVER HEAD UTILITIES

EXISTING EASEMENT LINE

EXISTING EASEMENT LINE

BUILDING SETBACK LINE

EXISTING UTILITY POLE

**ALL RETAINING WALLS SHOWN HEREON ARE TO DEMONSTRATE GRADING

WITHIN THE LOT. THIS PLAN IS NOT INTENDED TO DEPICT THE STRUCTURAL DESIGN OF ANY RETAINING WALL AND SHALL NOT BE USED FOR THAT PURPOSE. ALL RETAINING WALLS SHALL BE DESIGNED BY A LICENSED

GEOTECHNICAL ENGINEER AND THE DESIGN SUBMITTED TO THE VILLAGE OF

LEGEND

SHEET INDEX

SHEET	#1	- SITE PLAN
SHEET	#2	- EXISTING CONDITIONS MAP
SHEET	#3	- GRADING & UTILITY PLAN
SHEET	#4	- EROSION CONTROL PLAN
SHEET	#5	- FROSION CONTROL DETAILS

BULK REQUIREMENTS

RB-ZONE

MINIMUM

12,000

MAXIMUM

 $76.600 \pm$

 $76.600 \pm$

 $62.6\pm$

 $16.9 \pm$

BULK REQUIREMENTS

SHEET #5 - EROSION CONTROL DETAILS SHEET #6 - LIGHTING PLAN SHEET #7 - SITE DETAILS

SHEET #8 - SANITARY DETAILS SHEET #9 - DRAINAGE DETAILS

LOCATION MAP SCALE: 1"= 2,000'

PARKING CALCULATION

SHUL 1 SPACE PER 40 S.F. MAIN AREA

MAIN ROOM = 3,500 S.F. (3,500 S.F. - 30%) / (12 SPACES) (50%) = (2,450) / (12 SPACES) (50%) =(204 SPACES) (50%) = 102 SPACES

MAX. SPACES REQUIRED = 102 SPACES SPACES PROVIDED = 75 SPACES* *VARIANCE REQUIRED

GENERAL NOTES:

03-06-24 REV. BUILDING, PARKING LOT & DRAINAGE

REVISIONS

10-09-23 INITIAL PREPARATION

DATE

- 1. VILLAGE OF SOUTH BLOOMING GROVE TAX MAP DESIGNATION: SEC. 209 BLK. 1 LOT 1.
- 2. AREA OF PARCEL PER SURVEY: 1.759 AC. 3. BOUNDARY INFORMATION PROVIDED BY: MAP ENTITLED "SURVEY OF PROPERTY FOR CARPENTER DRIVE LLC" AS PREPARED BY FRANK M. HOENS PROFESSIONAL LAND SURVEYOR, GOSHEN, NY. LAST REVISED FEBRUARY 23, 2018.
- 4. TOPOGRAPHIC INFORMATION PROVIDED BY ORANGE COUNTY GIS MAPS.
- 5. EXISTING UTILITY INFORMATION SHOWN HEREON HAS BEEN COLLECTED FROM VARIOUS SOURCES AND IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION TO HIS SATISFACTION PRIOR TO EXCAVATION. THE CONTRACTOR SHALL NOTIFY THE UNDER SIGNED PROFESSIONAL IMMEDIATELY IF ANY FIELD CONDITIONS ENCOUNTERED DIFFER MATERIALLY FROM THOSE REPRESENTED HEREON. SUCH CONDITIONS COULD RENDER THE DESIGNS HEREON INAPPROPRIATE OR INEFFECTIVE.
- 6. BUILDING FOOTPRINT DIMENSIONS SHOWN HEREON ARE APPROXIMATE. FINAL BUILDING FOOTPRINT DIMENSIONS FOR EACH BUILDING SHALL BE FURNISHED ON THE INDIVIDUAL ARCHITECTURAL PLANS AT THE TIME OF APPLICATION FOR A BUILDING PERMIT. ALL STRUCTURES SHALL CONFORM TO THE APPROVED BULK ZONING REQUIREMENTS.
- 7. THIS SET OF PLANS HAS BEEN PREPARED FOR THE PURPOSES OF MUNICIPAL AND AGENCY REVIEW AND APPROVAL. THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL APPROVALS REQUIRED HAVE BEEN OBTAINED, ALL CONDITIONS OF APPROVAL HAVE BEEN SATISFIED AND THE DRAWINGS HAVE BEEN STAMPED "ISSUED FOR CONSTRUCTION". THIS SHALL INCLUDE APPROVAL OF ALL CATALOG CUTS, SHOP DRAWINGS AND/OR DESIGN CALCULATIONS AS REQUIRED BY THE PROJECT OWNER AND/OR MUNICIPALITY.

Lands of

822 ROUTE 208

VILLAGE OF SOUTH BLOOMING GROVE, ORANGE COUNTY, NEW YORK PROJECT TITLE SEC. 209 BLK. 1 LOT 1

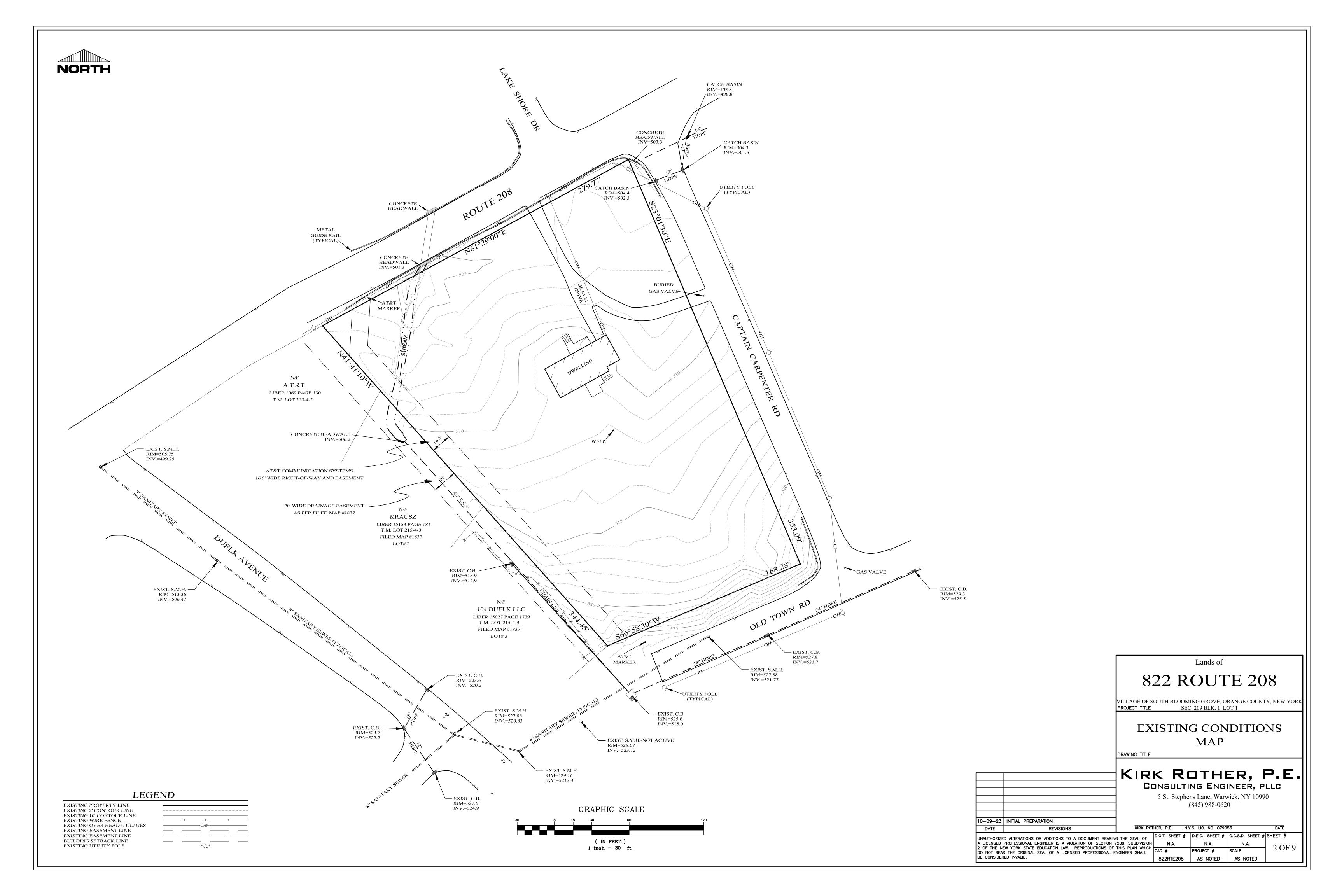
> SITE **PLAN**

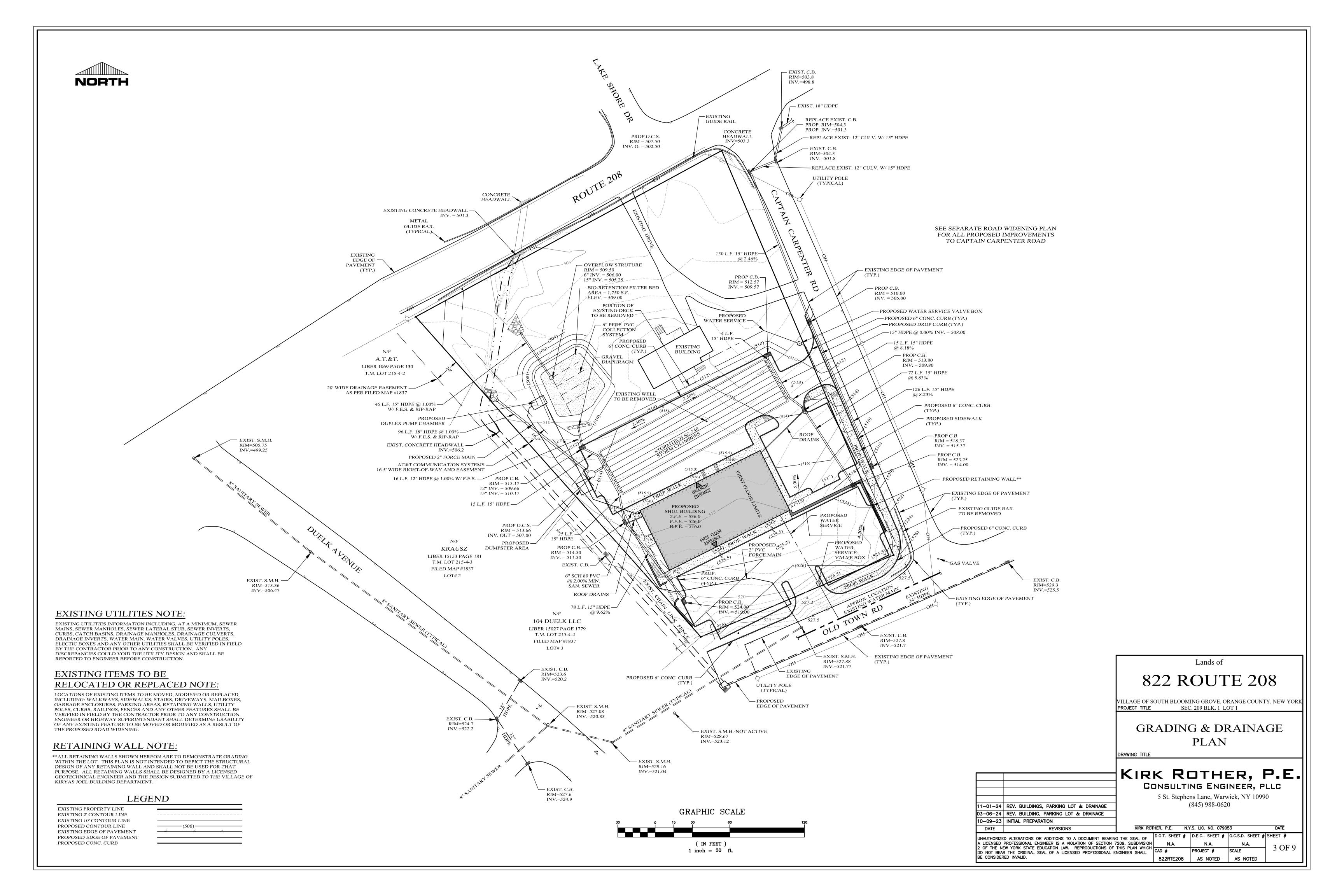
DRAWING TITLE

KIRK ROTHER, P.E. CONSULTING ENGINEER, PLLC 5 St. Stephens Lane, Warwick, NY 10990 11-01-24 REV. BUILDINGS, PARKING LOT & DRAINAGE (845) 988-0620 04-04-24 REV. PARKING CALCULATION & NOTES

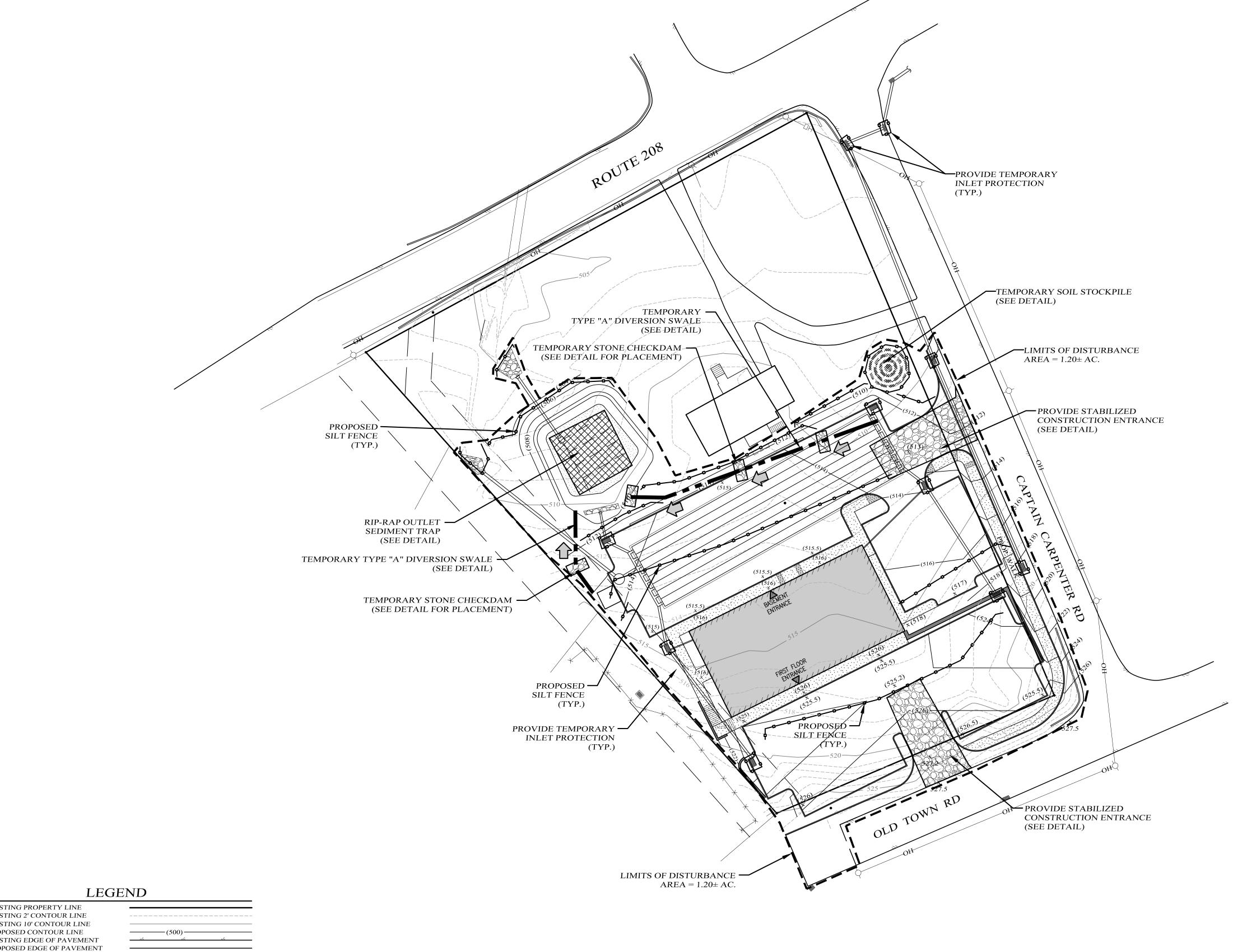
KIRK ROTHER, P.E. N.Y.S. LIC. NO. 079053

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A DOCUMENT BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUBDIVISION 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 PROJECT # DO NOT BEAR THE ORIGINAL SEAL OF A LICENSED PROFESSIONAL ENGINEER SHALL 822RTE208 AS NOTED AS NOTED









Lands of

822 ROUTE 208

VILLAGE OF SOUTH BLOOMING GROVE, ORANGE COUNTY, NEW YORK PROJECT TITLE SEC. 209 BLK. 1 LOT 1

> EROSION CONTROL PLAN

DRAWING TITLE

KIRK ROTHER, P.E. CONSULTING ENGINEER, PLLC

5 St. Stephens Lane, Warwick, NY 10990

(845) 988-0620 11-01-24 REV. BUILDINGS, PARKING LOT & DRAINAGE 03-06-24 REV. BUILDING, PARKING LOT & DRAINAGE 10-09-23 INITIAL PREPARATION

KIRK ROTHER, P.E. N.Y.S. LIC. NO. 079053 DATE REVISIONS 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 # O.C.S.D. SHEET # SHEET # SHEET # O.C.S.D. SHEET # O.C.S.D. SHEET # O.C.S.D. SHEET # O.C.S.D. SHEET # SHEET # O.C.S.D. SHEET # O.C.S.D. SHEET # SHEET # O.C.S.D. SHEET # 822RTE208 AS NOTED AS NOTED

EXISTING PROPERTY LINE EXISTING 2' CONTOUR LINE EXISTING 10' CONTOUR LINE PROPOSED CONTOUR LINE EXISTING EDGE OF PAVEMENT PROPOSED EDGE OF PAVEMENT PROPOSED CONC. CURB PROPOSED SILT FENCE

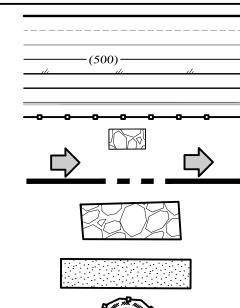
PROPOSED STONE CHECK DAM

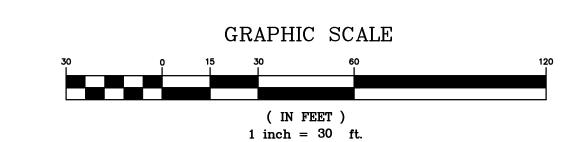
PROPOSED DIVESION SWALE

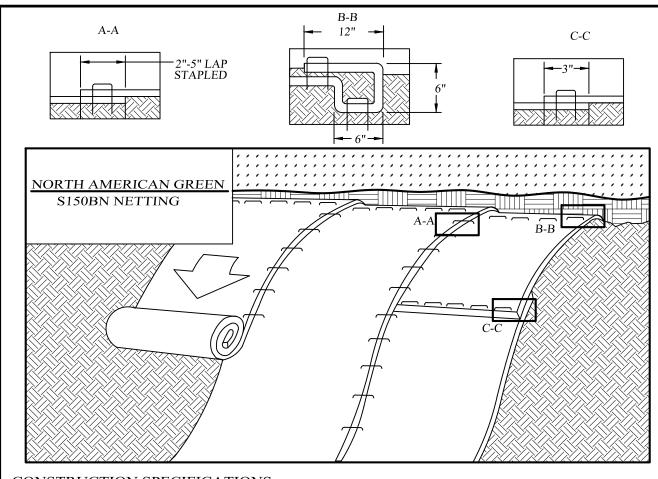
PROPOSED STABILIZED CONSTRUCTION ENTRANCE

PROPOSED TEMPORARY RIP-RAP OUTLET SEDIMENT TRAP

PROPOSED SOIL STOCKPILE





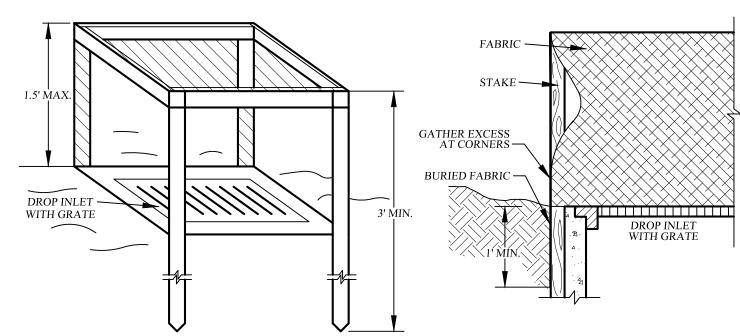


CONSTRUCTION SPECIFICATIONS:

ENTIRE RECP'S WIDTH.

- 1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP'S), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED, NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA.
- CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN. A MINIMUM OF 4 INCHES OF TOPSOIL SHALL BE ADDED PROIR TO STABILIZATION. 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30 CM) OF RECP'S
- EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE RECP'S.
- 3. ROLL THE RECP'S (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. RECP'S WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE
- APPROPRIATE STAPLE PATTERN. 4. THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2" - 5" (5 CM - 12.5 CM) OVERLAP DEPENDING ON RECP'S TYPE. 5. CONSECUTIVE RECP'S SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS
- *IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE

ROLLED EROSION CONTROL MATTING SLOPE STABILIZATION DETAIL



CONSTRUCTION SPECIFICATIONS:

- 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
- WILL BE OVERLAPPED TO THE NEXT STAKE 3. STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM
- 4. SPACE STAKES EVENLY 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
- 5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
- 6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR

FILTER FABRIC DROP INLET PROTECTION DETAIL

PERMANENT SEEDING MIXTURES

TALL FESCUE	20 LBS/ACRE
RYEGRASS	5 LBS/ACRE
GENERAL RECREATION AREAS AND	LAWNS
SPECIES	APPLICATION RATE
SUNNY SITES (WELL, MODERATELY WELL AND SOMEW	HAT 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
SUNNY DROUGHTY SITES (SOMEWHAT TO EXCESSIVEL	Y DRAINED SOILS)
65% FINE FESCUE	114-143 LBS/ACRE
15% PERENNIAL RYEGRASS	26-33 LBS/ACRE
20% KENTUCKY BLUEGRASS BLEND	35-44 LBS/ACRE

MODERATE TO STEEP SLOPES AND LOW MAINTENANCE AREAS

SITE PREPARATION

EMPIRE BIRDSFOOT TREFOIL

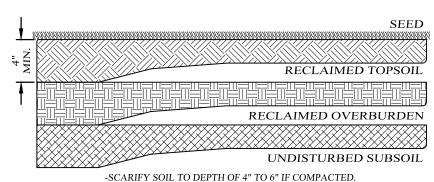
- A. INSTALL NEEDED WATER AND EROSION CONTROL MEASURES AND BRING AREA TO BE SEEDED TO DESIRED GRADES USING A MINIMUM OF 4" OF TOPSOIL B. PREPARE SEED BED BY LOOSENING SOIL TO A DEPTH OF 4-6 INCHES
- D. FERTILIZE PER SOIL TESTS, OR, IF FERTILIZER IS TO BE APPLIED BEFORE SOIL TESTS, APPLY 850 POUNDS OF 5-10-10 OR EQUIVALENT PER ACRE (20 LBS. / 1000 SQ. FT.) E. INCORPORATE LIME AND FERTILIZER IN TOP 2-4 INCHES OF SOIL
- F. SMOOTH. REMOVE ALL STONES OVER I" IN DIAMETER, STICKS AND FOREIGN MATTER. FIRM SEED BED. G. APPLY SEED PER PERMANENT SEEDING SCHEDULE.

- SHADY DRY SITES (WELL TO SOMEWHAT POORLY DRAINED SOILS) 80% SHADE TOLERANT KENTUCKY
- BLUEGRASS BLEND 105-138 LBS/ACRE 20% PERENNIAL RYEGRASS 25-37 LBS/ACRE SHADY WET SITES (SOMEWHAT POOR TO POORLY DRAINED SOILS) 70% ROUGH BLUEGRASS
- 60-91 LBS/ACRE 80% SHADE TOLERANT KENTUCKY 25-39 LBS/ACRE BLUEGRASS BLEND

- 50' MIN. FOR ROAD -EXISTING 30' MIN. FOR INDIVIDUAL DRIVEWAY **PAVEMENT** 6" THICKNESS OF 1" - 4" CRUSHED STONE COMPACTED SUBGRADE FILTER CLOTH -**PROFILE** 10.0' MIN. – 50' MIN. FOR ROAD – 30' MIN. FOR INDIVIDUAL DRIVEWAY 24' MIN. FOR ROAD 12' MIN. FOR DRIVEWA 10.0' MIN. CONSTRUCTION SPECIFICATIONS: 1. ENTRANCE SHALL BE MAINTAINED AS CONDITIONS DEMAND TO PREVENT TRACKING OF SEDIMENT ONTO PUBLIC R.O.W. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC R.O.W. MUST BE REMOVED IMMEDIATELY. 2. A CRUSHED STONE, VEHICLE WHEEL-CLEANING BLANKET WILL BE INSTALLED WHERE A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. THE BLANKET SHALL BE COMPOSED OF 6" DEPTH OF 1"-4" CRUSHED STONE, SHALL BE AT LEAST 24' x 50' FOR THE ROAD ENTRANCE AND 12' x 30' FOR DRIVEWAYS, AND SHALL BE PLACED ON COMPACTED SUB-GRADÉ. 3. A FILTER CLOTH WILL BE PLACED OVER THE ENTIRE AREA PRIOR 4. ALL SURFACE WATER FLOWING OR DIVERTED TOWARD

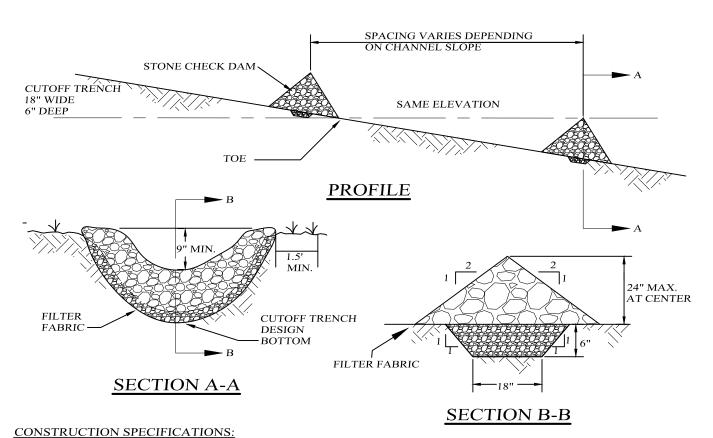
5. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN. STABILIZED CONSTRUCTION ENTRANCE DETAIL

CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES



-REMOVE LARGE STONES, STUMPS, ROOTS & DEBRIS. -LIME AS REQUIRED TO ACHIEVE A pH OF 6.0 -FERTILIZE AT 600#/ACRE OF 5-10-10 FERTILIZER, IF NEEDED -ROUGHEN TOP 4" OF SOIL, SEED AND MULTCH.

RECLAMATION DETAIL



1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN. 2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATION OF THE CREST OF THE DOWN STREAM DAM IS AT THE SAME 3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM 4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR 5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONES.

6. MAXIMUM DRAINAGE AREA IS 2 ACRES ABOVE THE CHECK DAM.

CHECK DAM DETAILS

TEMPORARY SEEDING SPECIFICATIONS

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

(0.7 LBS/1000 SF)

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. APPLICATION RATE RYEGRASS (ANNUAL OR PERENNIAL)

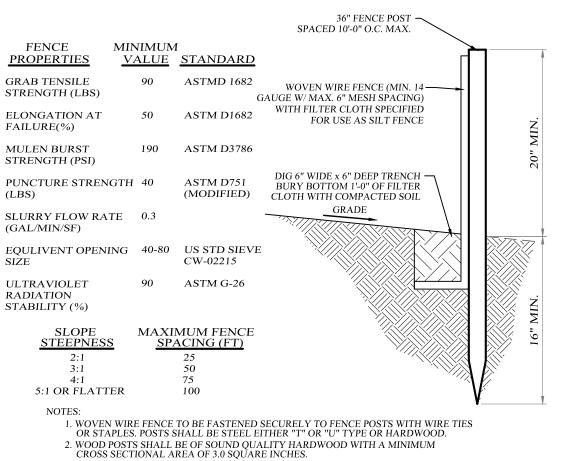
SLOPE STABILIZATION, SEEDING METHOD & MULCHING

SLOPES OF 4:1 OR GREATER (HORIZONTAL: VERTICAL) 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 GEO-JUTE EROSION CONTROL NETTING AS MANUFACTURED BY MIRAFI OR APPROVED EQUIVALENT.

NETTING TO BE INSTALLED PER MANUFACTURER SPECIFICATIONS.

AREAS SHALL BE SEEDED 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 SEEDED BY BROADCASTING SHALL BE LIGHTLY RAKED AND PACKED PRIOR TO PLACING MULCH.

(USE WINTER RYE IF SEEDING IN OCT./NOV.)



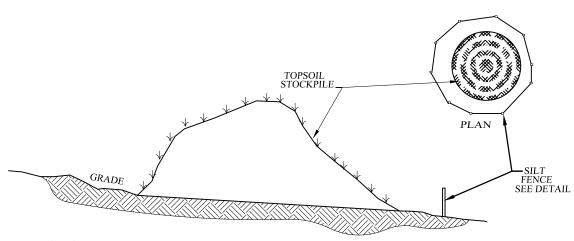
3. STEEL POSTS WILL BE STANDARD "T" AND "U" SECTION WEIGHING NOT LESS THAN 1.00 POUND PER LINEAR FOOT.

4. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.

5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUAL. 6. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUAL. 7. ALL SILT FENCES SHALL RUN PARALLEL TO THE CONTOUR OF THE LAND.

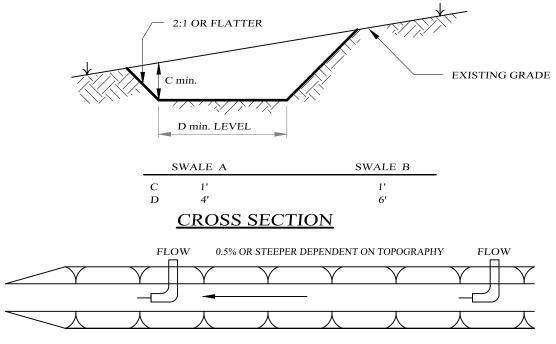
8 ALL SILT FENCEING SHALL MEET THE MINIMUM REQUIREMENTS AS STATED LINESS 9. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL SHALL BE REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE

FILTER FABRIC SILT FENCE DETAIL



1. TOPSOIL STOCKPILE TO BE BE SEEDED AS PER THE TEMPORARY SEEDING SPECIFICATIONS. TOPSOIL STOCKPILE DETAIL

NOT TO SCALE



PLAN VIEW

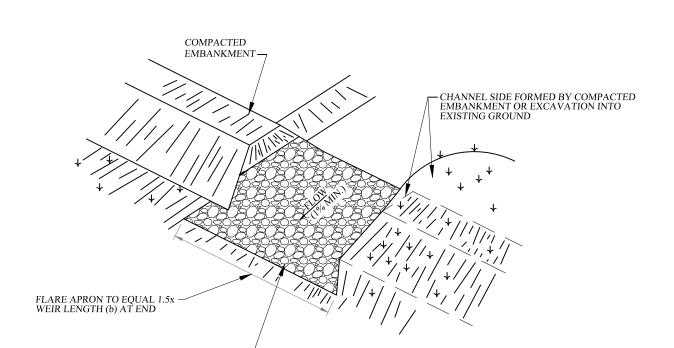
CONSTRUCTION SPECIFICATIONS:

1. ALL TEMPORARY SWALES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET. 2. DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE. 3. DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET DIRECTLY INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSIVE VELOCITY. 4. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE SWALE. I. THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH IMPEDE NORMAL FLOW.

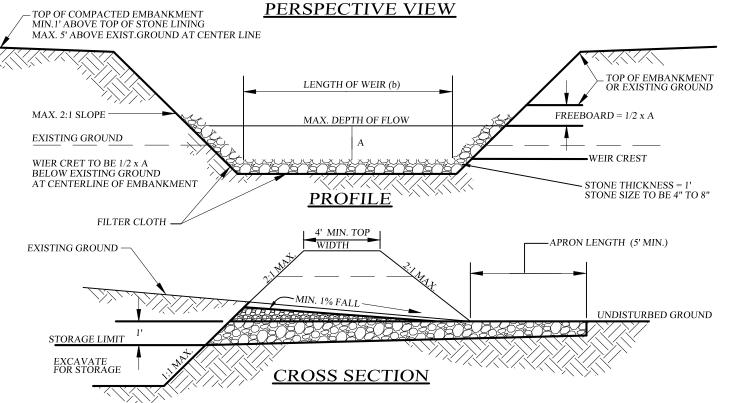
6. ALL FILLS ARE TO BE MECHANICALLY COMPACTED ALL EARTH REMOVED AND NOT NEEDED SHALL BE PLACED AS NOT TO INTERFERE WITH THE FUNCTIONING OF THE SWALE. 8. REEFER TO CHART FOR STABILIZATION OF FLOW CHANNEL. 9. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

FLOW CHANNEL STABILIZATION TYPE OF TREATMENT CHANNEL GRADE A (5 AC OR LESS) B (5 AC-10 AC) 0.5 - 3.0SEED AND STRAW MULCH SEED AND STRAW MULCH 3.1-5.0 SEED AND STRAW MULCH SEED USING JUTE OR EXCELSIOR 5.1-8.0 SEED WITH JUTE OR LINED RIP-RAP 4-8" RECYCLED CONCRETE EQUIVALENT EXCELSIOR:SOD LINED 4-8" RIP-RAP

TEMPORARY DIVERSION SWALE DETAIL



STONE LINED OUTLET CHANNEL AS PER TABLE ST-VI (CHANNEL MAY BE CURVED TO FIT EXISTING TOPOGRAPHY)



SEDIMENT TRAP CRITERIA

ТКАР ТҮРЕ	RIP RAP OUTLET SEDIMENT TRAP
DRAINAGE AREA	1.2 AC.
STORAGE REQUIRED	4,320 C.F.
STORAGE PROVIDED	4,900 C.F.
DIMENSIONS AT "AVE." WATER HT.	35' x 35'
DEPTH BELOW BASE OF WEIR (AVG.)	4'
CHANNEL DEPTH	1.5'
WEIR LENGTH	6'

RIPRAP OUTLET SEDIMENT TRAP CONSTRUCTION SPECIFICATIONS

1. THE AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED. 2. THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS. ORGANIC MATERIAL OR OTHER OBJECTIONABLE MATERIAL THE EMBA) SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED. MAXIMUM HEIGHT OF EMBANKMENT SHALL BE FIVE (5) FEET. MEASURED AT CENTERLINE OF EMBANKMENT.

3. ALL FILL SLOPES SHALL BE 2:1 OR FLATTER, CUT SLOPES 1:1 OR FLATTER. 4. ELEVATION OF THE TOP OF ANY DIKE DIRECTING WATER INTO TRAP MUST EQUAL OR EXCEED HEIGHT OF EMBANKMENT 5. STORAGE AREA PROVIDED SHALL BE FIGURED BY COMPUTING THE VOLUME AVAILABLE BEHIND THE OUTLET CHANNEL UP TO AN ELEVATION OF ONE (1)

FOOT BELOW THE WEIR CREST 6. FILTER CLOTH SHALL BE PLACED OVER THE BOTTOM AND SIDES OF THE OUTLET CHANNEL PRIOR TO PLACEMENT OF STONE. SECTIONS OF FABRIC MUST OVERLAP AT LEAST ONE (1) FOOT WITH SECTION NEAREST THE ENTRANCE PLACED ON TOP. FABRIC SHALL BE EMBEDDED AT LEAST SIX (6) INCHES INTO EXISTING GROUND AT ENTRANCE OF OUTLET CHANNEL

7. STONE USED IN THE OUTLET CHANNEL SHALL BE FOUR (4) TO EIGHT (8) INCHES (RIP RAP). TO PROVIDE A FILTERING EFFECT. A LAYER OF FILTER CLOTH SHALL BE EMBEDDED ONE (1) FOOT WITH SECTION NEAREST ENTRANCE PLACED ON TOP. FABRIC SHALL BE ÉMBEDDED AT LEAST SIX (6) INCHES INTO EXISTING GROUND AT ENTRANCE OF OUTLET CHANNEL 8. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL

DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.

9. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND SHALL BE REPAIRED AS 10. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT

EROSION AND WATER POLLUTION ARE MINIMIZED 11. THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

12. DRAINAGE AREA FOR THIS PRACTICE IS LIMITED TO 15 ACRES.

Lands of 822 ROUTE 208 VILLAGE OF SOUTH BLOOMING GROVE, ORANGE COUNTY, NEW YORK PROJECT TITLE SEC. 209 BLK. 1 LOT 1 **EROSION CONTROL DETAILS** RAWING TITLE

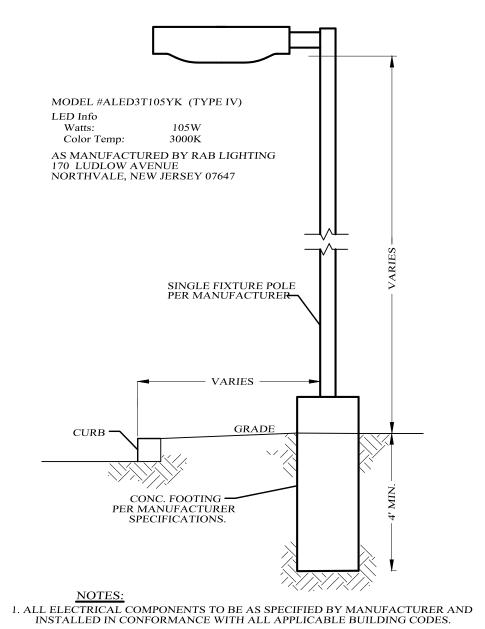
KIRK ROTHER, P.E.

CONSULTING ENGINEER, PLLC 5 St. Stephens Lane, Warwick, NY 10990 (845) 988-0620 11-01-24 REV. BUILDINGS, PARKING LOT & DRAINAGE

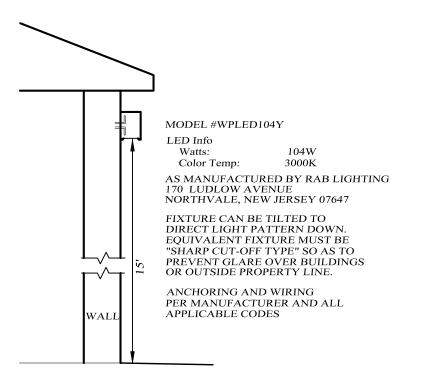
10-09-23 INITIAL PREPARATION KIRK ROTHER, P.E. N.Y.S. LIC. NO. 079053 DATE REVISIONS UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A DOCUMENT BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUBDIVISION A LICENSED PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUBSTITUTE OF THE NEW YORK STATE EDUCATION LAW. REPRODUCTIONS OF THIS PLAN WHICH CAD # DO NOT BEAR THE ORIGINAL SEAL OF A LICENSED PROFESSIONAL ENGINEER SHALL

PROJECT # 822RTE208 AS NOTED AS NOTED





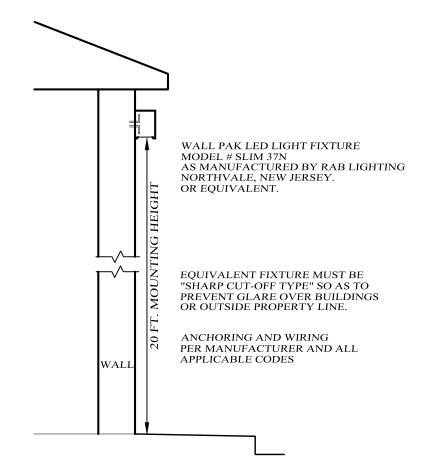
POLE MOUNTED SINGLE LIGHT DETAIL



WALL MOUNTED LIGHT DETAIL NOT TO SCALE

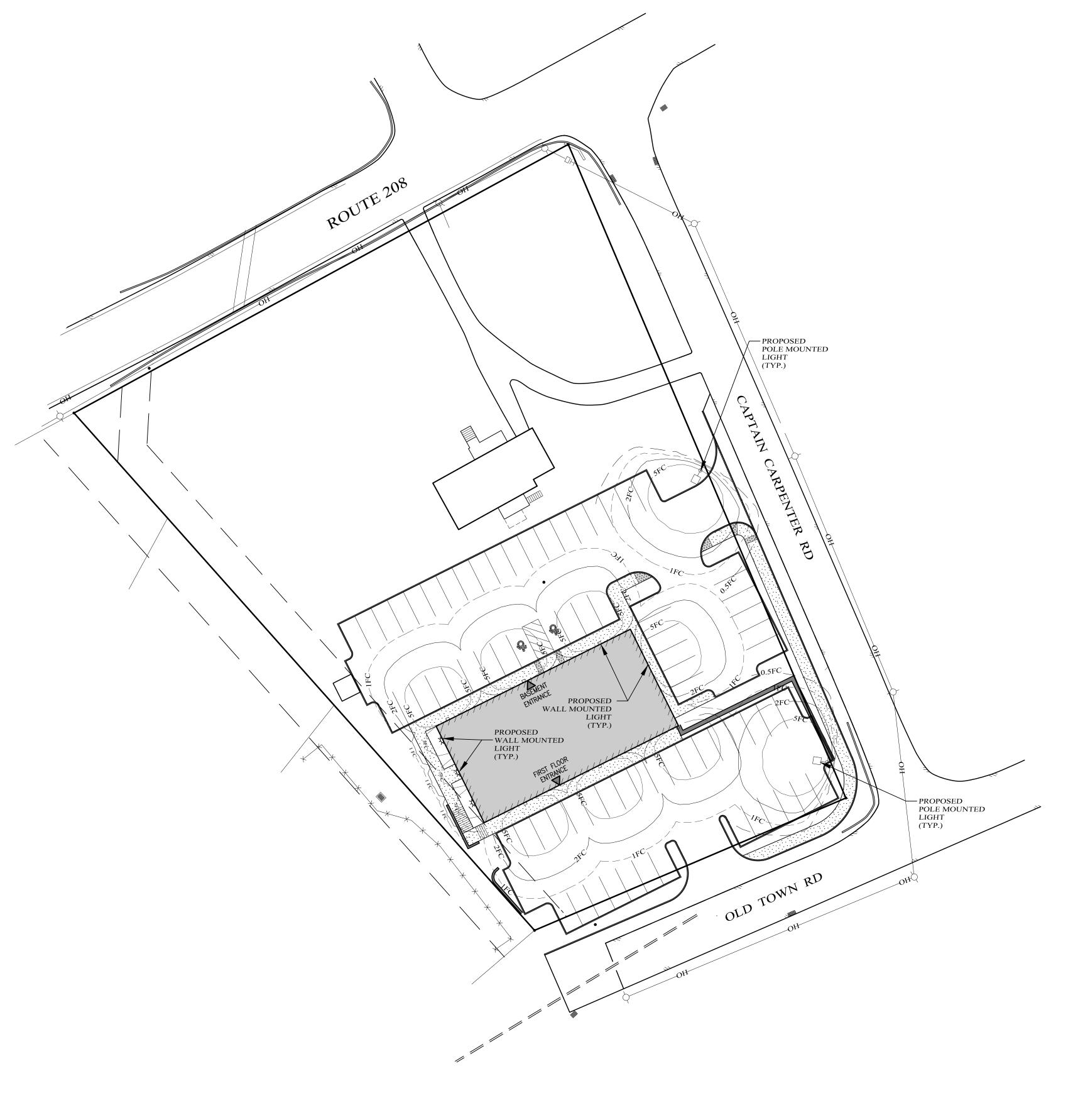
- LIGHTING NOTES:

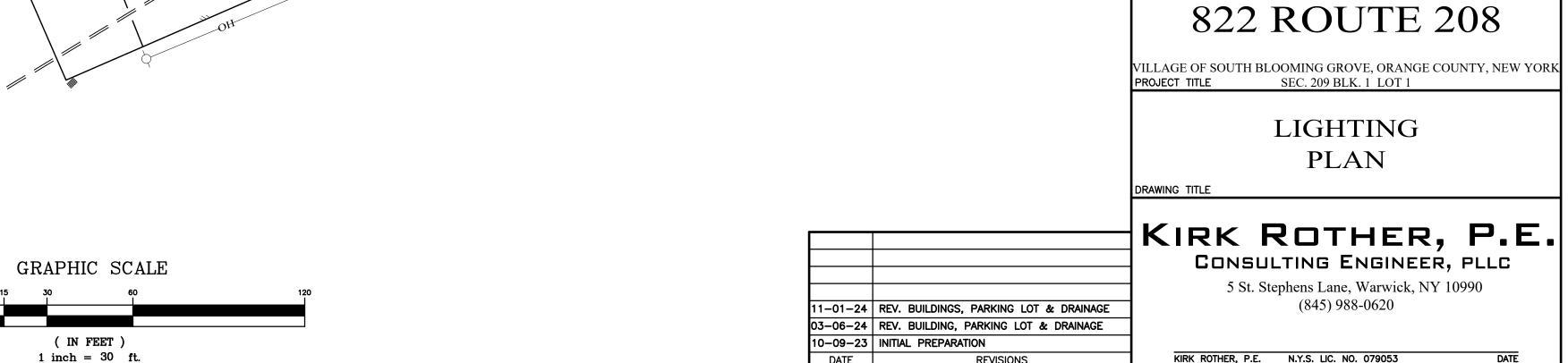
 1. LIGHTING TO PROVIDE AN AVERAGE 1.0 FOOT-CANDLE LUMINESCENCE IN ALL PEDESTRIAN AREAS
- 2. THERE SHALL BE NO SPILL OVER OF GLARE OUTSIDE PROPERTY LINE. FIXTURES SHALL BE EQUIPPED WITH "HOUSE SIDE SHIELDS" TO ESTABLISH A SHARP CUTOFF OF LIGHT BEHIND THE PROPOSED FIXTURE.



1. ALL ELECTRICAL COMPONENTS TO BE AS SPECIFIED BY MANUFACTURER AND INSTALLED IN CONFORMANCE WITH ALL APPLICABLE BUILDING CODES. 2. REFER TO LIGHTING PLAN FOR FIXTURE LOCATIONS.

WALL MOUNTED LIGHT DETAIL





DATE

REVISIONS

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.

N./

0 20' 40' 60' POLE MOUNTED LIGHT 15' HIGH ISOMETRIC FOOTRPINT MODEL #ALED3T105YK (TYPE IV) AS MANUFACTURED BY RAB LIGHTING, INC

20' 40' 60'

WALL MOUNTED LIGHT 15' HIGH ISOMETRIC FOOTRPINT

MODEL #WPLED104Y AS MANUFACTURED BY RAB LIGHTING, INC

20'

WALL MOUNTED LIGHT15' HIGH

ISOMETRIC FOOTRPINT

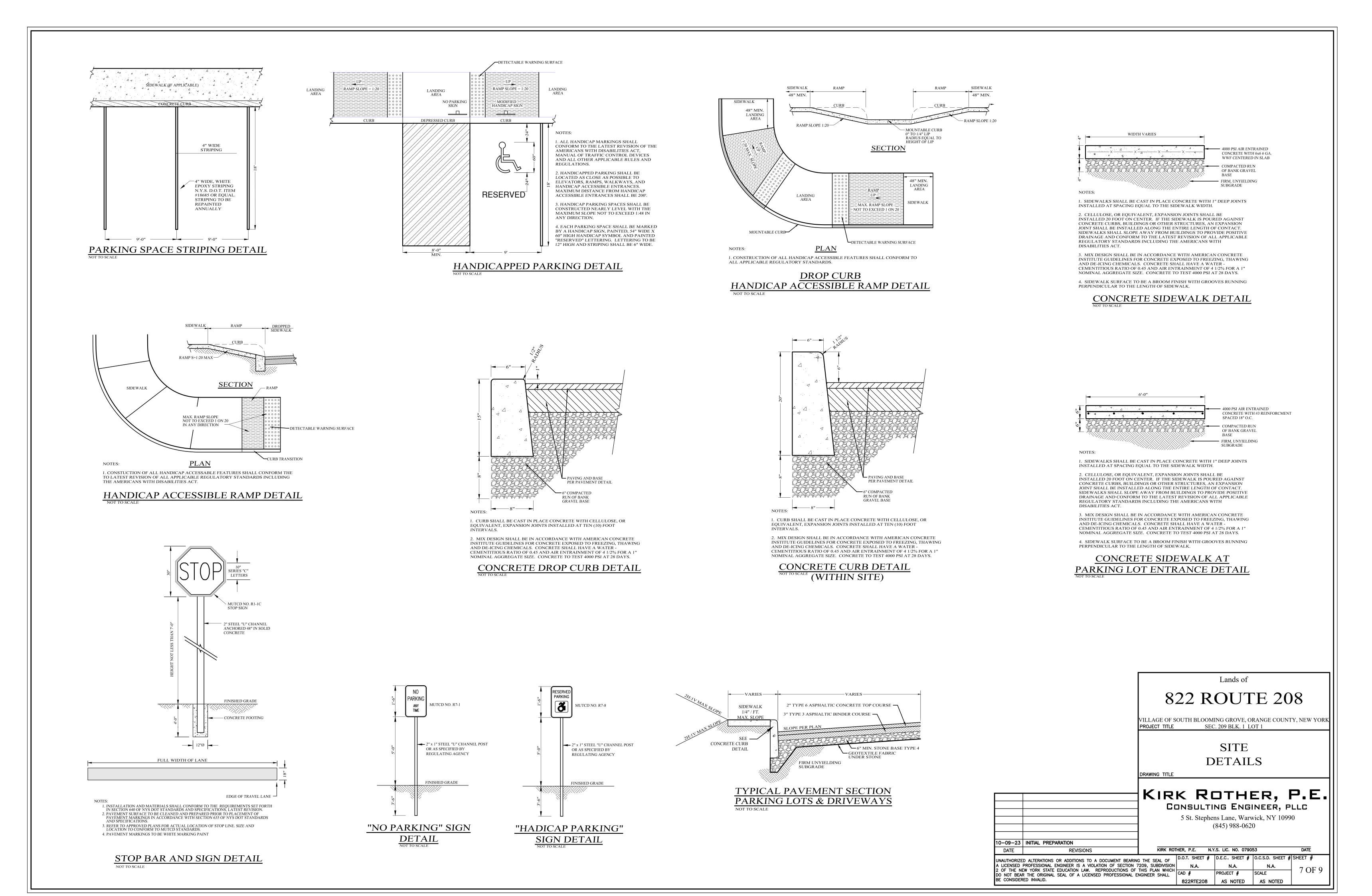
MODEL #MODEL # SLIM 37N AS MANUFACTURED BY RAB LIGHTING, INC

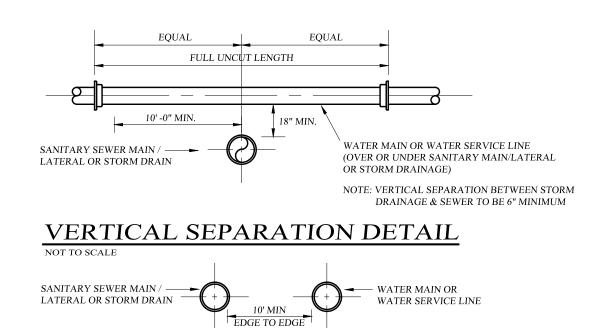
Lands of

KIRK ROTHER, P.E. N.Y.S. LIC. NO. 079053

PROJECT # 822RTE208 AS NOTED AS NOTED

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A DOCUMENT BEARING THE SEAL OF

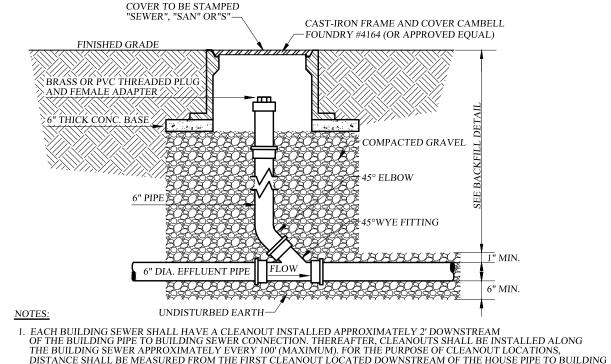




HORIZONTAL SEPARATION DETAIL

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

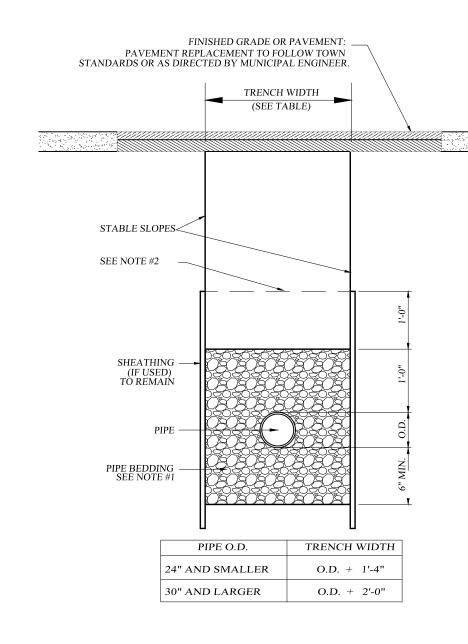
WATER/SEWER SEPARATION REQUIREMENTS



1. EACH BUILDING SEWER SHALL HAVE A CLEANOUT INSTALLED APPROXIMATELY 2' DOWNSTREAM
OF THE BUILDING PIPE TO BUILDING SEWER CONNECTION. THEREAFTER, CLEANOUTS SHALL BE INSTALLED ALONG
THE BUILDING SEWER APPROXIMATELY EVERY 100' (MAXIMUM). FOR THE PURPOSE OF CLEANOUT LOCATIONS,
DISTANCE SHALL BE MEASURED FROM THE FIRST CLEANOUT LOCATED DOWNSTREAM OF THE HOUSE PIPE TO BUILDING
SEWER CONNECTION, HENCE DOWNSTREAM ALONG THE BUILDING SEWER TO THE CENTER OF THE SEWER MAIN LINE (GENERALLY LOCATED IN THE CENTER OF THE STREET).

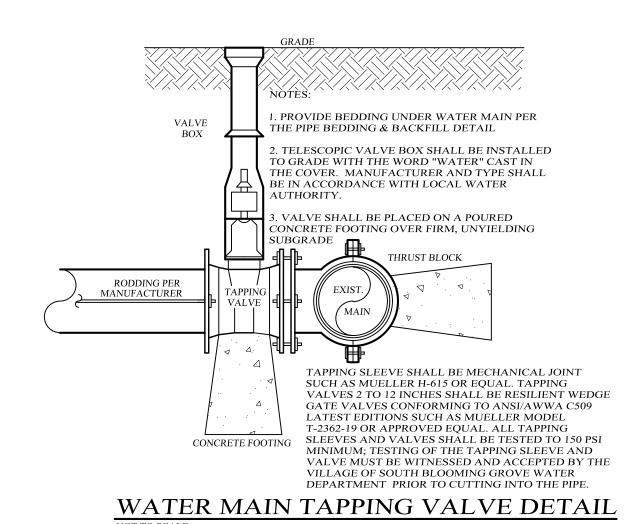
2. A CLEANOUT LOCATED IN A ROAD, DRIVEWAY OR PARKING AREA SHALL REQUIRE A CAMBELL FOUNDARY #4164 CAST IRON FRAME AND COVER. (OR APPROVED EQUAL)

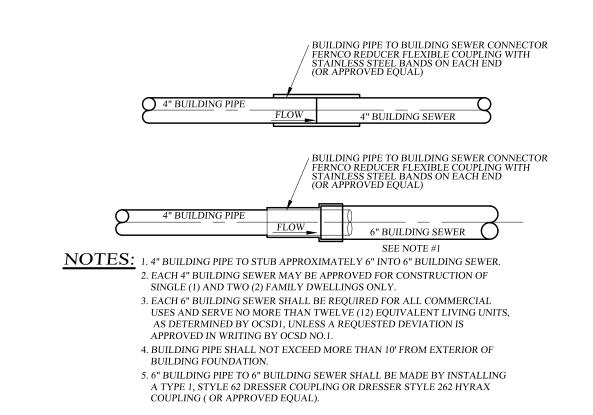
BUILDING SEWER CLEAN-OUT DETAIL



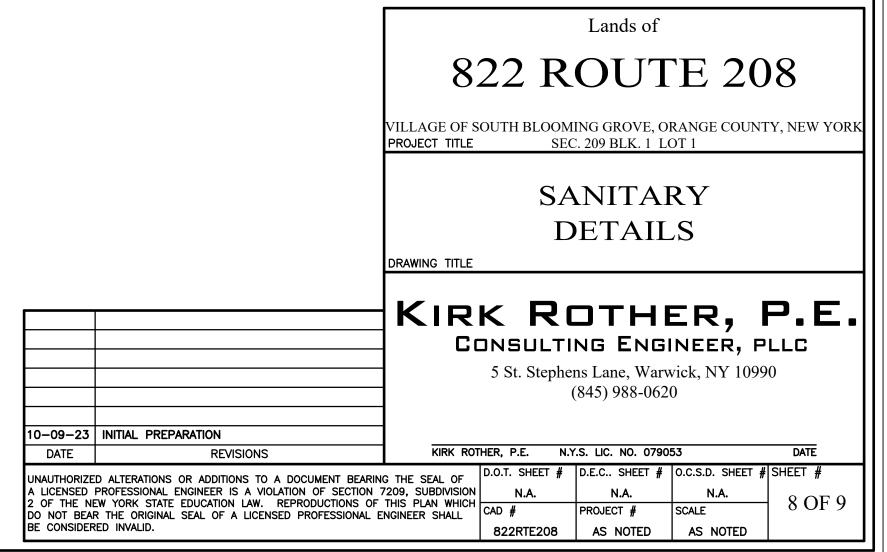
TYPICAL TRENCH DETAIL (SANITARY SEWER)

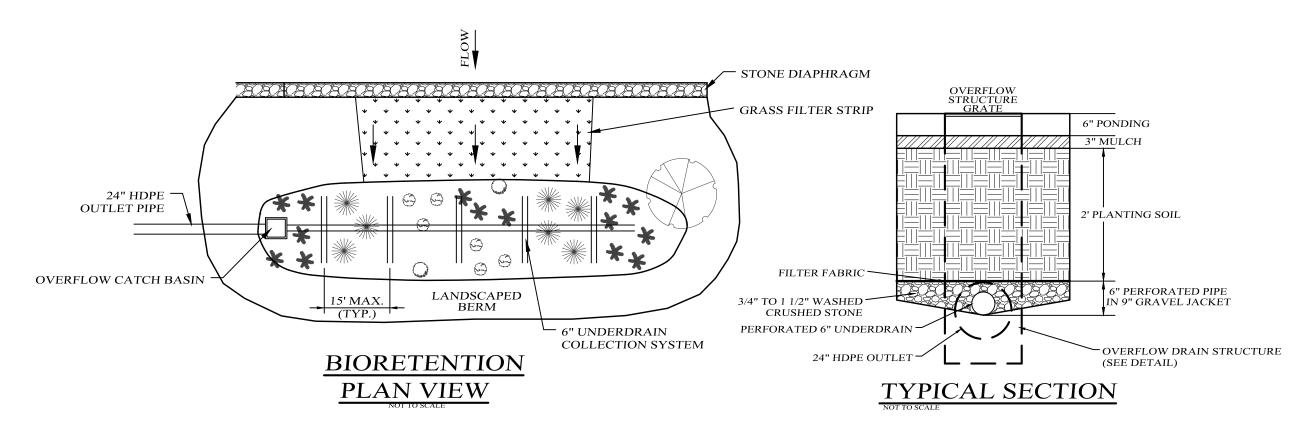
- 1) PIPE BEDDING SHALL BE A CLASS I ASTM D2321 EMBEDMENT MATERIAL THAT SHALL BE EITHER CRUSHED STONE OR WASHED GRAVEL PASSING A 3/4 " SIEVE AND RETAINED ON A 3/8 " SIEVE. THE EMBEDMENT MATERIAL SHALL BE HAND TAMPED AND COMPACTED TO 90 % OF THE MAXIMUM DENSITY OF THE EMBEDMENT MATERIAL AS DETERMINED BY STANDARD PROTECTOR TEST IN ACCORDANCE WITH AASHTO DESIGNATION T-99. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A GO-NO-GO TESTING GAUGE, AS DEFINED IN THE GREEN-TITE (TRADEMARK) PVC GRAVITY SEWER PIPE INSTALLATION GUIDE AS PUBLISHED BY J-M PIPE (OR APPROVED EQUAL) FOR TESTING DEFLECTION OF MAIN LINE SEWER PIPE, AS DIRECTED BY OCSD. MAXIMUM MAIN LINE SEWER DEFLECTION SHALL BE NO GREATER THAN 5%.
- 2) BACKFILL FROM 12 IN. TO 24 IN. ABOVE THE PIPE EMBEDMENT MATERIAL SHALL BE FINE EARTH FREE FROM CINDERS AND SHALL BE MECHANICALLY COMPACTED. REMAINING BACKFILL SHALL BE FREE FROM LARGE CLODS, NATURAL DEBRIS, ROCKS, AND CINDERS.
- 3) PLACE EMBEDMENT MATERIAL BY HAND AND HAND COMPACT UNDER AND AROUND SIDES OF PIPE. PLACE EMBEDMENT MATERIAL IN 6" LAYERS ABOVE TOP OF PIPE, AND HAND COMPACT TO A POINT 12 INCH MAXIMUM ABOVE THE TOP
- 4) THE OWNER AND CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A COMPETENT PERSON DURING ALL PHASES OF CONSTRUCTION WHOSE DUTY SHALL BE TO INSURE THAT ALL PHASES OF CONSTRUCTION ARE IN FULL COMPLIANCE WITH OCSD NO.1 SPECIFICATIONS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL STATUTES, CODES, RULES, REGULATIONS AND LAWS INCLUDING, BUT NOT LIMITED TO, UNITED STATES DEPARTMENT OF LABOR FOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION AND N.Y.S. DEPARTMENT OF LABOR FOR SECTION 1910.146 PERMIT REQUIRED CONFINED SPACE ENTRY, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION SECTION 1926.650 EXCAVATION GENERAL PROTECTION REQUIREMENTS AND OSHA SECTION 1926.651 TRENCHING AND SHORING, STATE OF NEW YORK UNIFORM FIRE PREVENTION AND BUILDING CODES AND NATIONAL FIRE PROTECTION ASSOCIATION CODES.
- 5) ALL APPROVED MAIN LINE SEWER PIPE SHALL BE THE SAME MATERIAL FROM MAN-HOLE TO MAN-HOLE.
- 6) FILL SECTION AREA MUST BE GRADED WITH THE PLACEMENT OF SUITABLE SOIL MATERIAL, AS DETERMINED BY THE PROJECT SITE ENGINEER, IN 12" (MAX) LAYERS COMPACTED TO 95% OF THE MAXIMUM DENSITY OF THE SOIL AS DETERMINED BY THE STANDARD PROTECTOR TEST (ASSHTO DESIGNATION T-99) TO 2'-0" (MIN.) ABOVE TOP OF PIPE AT A MINIMUM WIDTH OF O.D. + 4'-0" BEFORE TRENCH EXCAVATING.
- 7) WHERE ROCK IS ENCOUNTERED IN TRENCH BOTTOM, UNDERCUT MUST BE MADE BETWEEN 12" MIN. TO 24" MAX.
- 8) WHERE UNSUITABLE MATERIAL IS ENCOUNTERED IN TRENCH BOTTOM, UNDERCUT TO SUITABLE MATERIAL (AS APPROVED BY

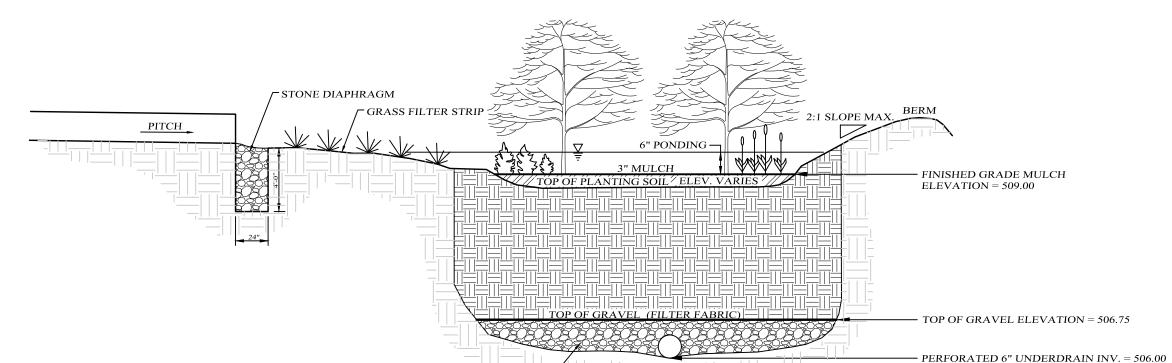




BUILDING PIPE TO BUILDING SEWER CONNECTION







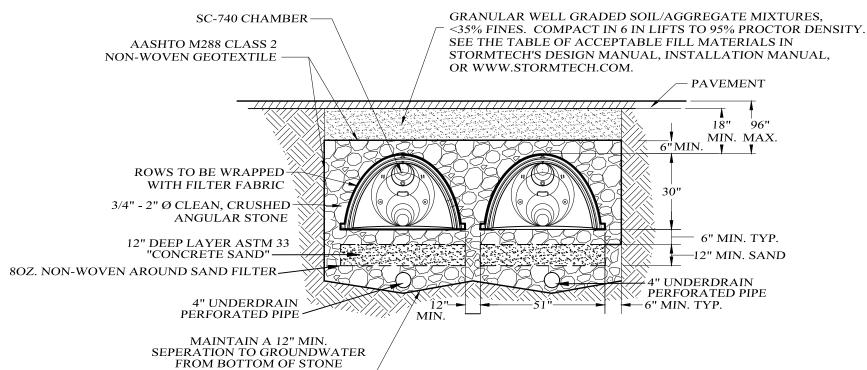
3/4" TO 1 1/2" WASHED CRUSHED STONE

BIORETENTION PROFILE

BIORETENION AREA PLANTING SCHEDULE

SYMBOL	PLANT NAME	SCIENTIFIC NAME	SIZE	SPACING
	Red Maple	Acer rubrum	B & B 2-1/2" TO 3" CALIPER	15' O.C.
	Tupelo	Nyssa sylvatica vari	B & B 5' - 6' IN HEIGHT	10' O.C.
0	Red-Osier Dogwood	Cornus stolonifera	2 GAL.	4' O.C.
*	Sweet Pepperbush	Clethra alnifolia	2 GAL.	6' O.C.
*	Fox Sedge	Carex vulpinoidea	2 GAL.	2' O.C.
	MULCH		6" High	

- 1. A DENSE AND VIGOROUS VEGETATIVE COVER SHALL BE ESTABLISHED OVER THE CONTRIBUTING PERVIOUS DRAINAGE AREAS BEFORE RUNOFF CAN BE ACCEPTED.
- 2. LANDSCAPING SHALL FOLLOW THE APPROVED PLANS OR A PLAN MUST BE PROVIDED BY A LANDSCAPE ARCHITECT FOR ALL BIORETENTION AREAS.
- 3. PLANT MATERIALS SHOULD CONFORM TO THE AMERICAN STANDARD NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, AND SHOULD BE SELECTED FROM CERTIFIED,
- 4. SILT/SEDIMENT SHALL BE REMOVED FROM THE FILTER BED WHEN ACCUMULATION
- 5. WHEN WATER PONDS ON THE SURFACE OF THE FILTER BED FOR MORE THAN 48 HOURS THE TOP FEW INCHES OF DISCOLORED MATERIAL SHALL BE REMOVED IN AN ACCEPTABLE
- MANNER (i.e., LANDFILL) AND REPLACED WITH FRESH MATERIAL.
- 6. AREAS DEVOID OF MULCH SHALL BE RE-MULCHED ANNUALLY. 7. DEAD OR DISEASED PLANTS SHALL BE REMOVED AND REPLACED AS NECESSARY.
- 8. GRASS AROUND BIORETENTION AREA SHALL BE MOWED A MINIMUM OF 3 TIMES PER YEAR
- TO MAINTAIN MAX. GRASS HEIGHT OF 12" 9. FILTERBED AREA SHALL BE INSPECTED FOR SAND BUILD-UP FOLLOWING THE SPRING MELT EVENT.
- 10. THE MULCH LAYER SHOULD BE STANDARD LANDSCAPE STYLE, SINGLE OR DOUBLE, SHREDDED HARDWOOD MULCH OR CHIPS. THE MULCH LAYER SHOULD BE WELL AGED (STOCKPILED OR STORED FOR AT LEAST 12 MONTHS), UNIFORM IN COLOR, AND FREE OF OTHER MATERIALS, SUCH AS WEED SEEDS, SOIL, ROOTS, ETC. THE MULCH SHOULD BE APPLIED TO A MAXIMUM DEPTH OF THREE INCHES. GRASS CLIPPINGS SHOULD NOT BE USED AS A MULCH MATERIAL.



FIRM UNYIELDING SUBGRADE -

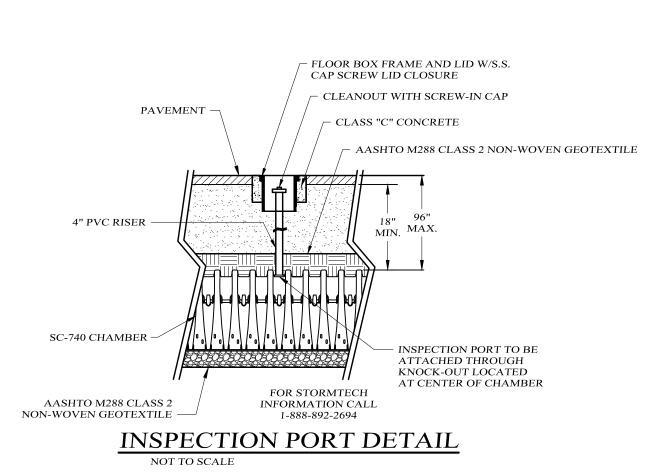
- TYPICAL SECTION NOTES:
- 1. REFER TO STORMTECH'S DESIGN MANUAL AND INSTALLATION MANUAL FOR DETAILED INSTALLATION INSTRUCTIONS.
- 2. CHAMBERS SHALL BE INSTALLED AT 0.00% SLOPE AND END CAPPED.
- 3. STONE SHALL BE 3/4" TO 2" DIAMETER CLEAN, CRUSHED STONE.

STORMTECH SC-740

SUBSURFACE STORMWATER MANAGEMENT CHAMBERS

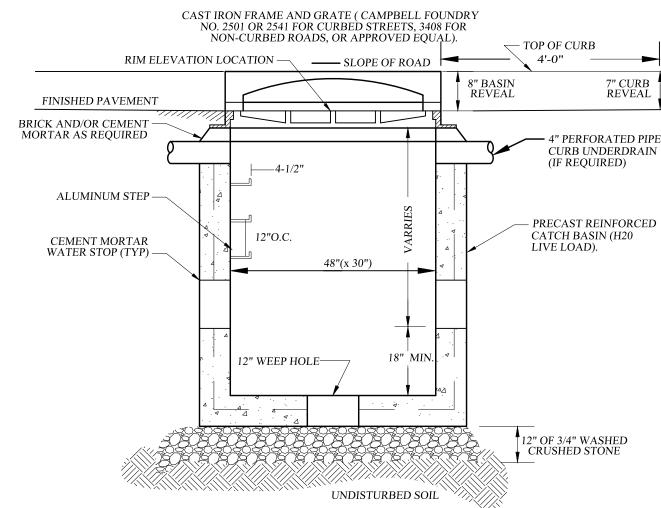
WITH SANDFILTER

DETAIL



— SLOPE OF ROAD ^⁴ CONCRETE CURB 2 SLOPE-**⊸** SLOPE

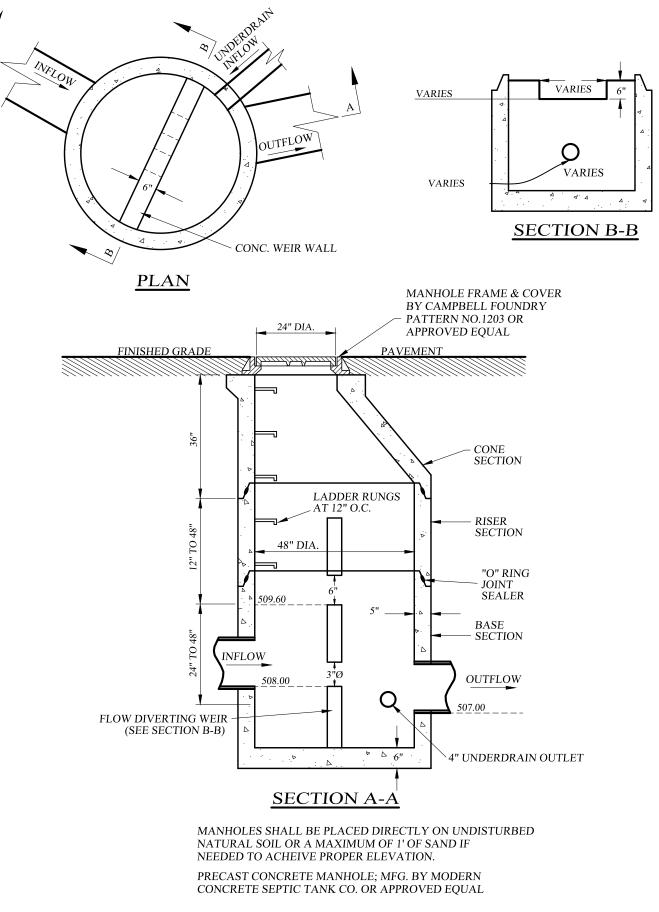
<u>PLAN</u>



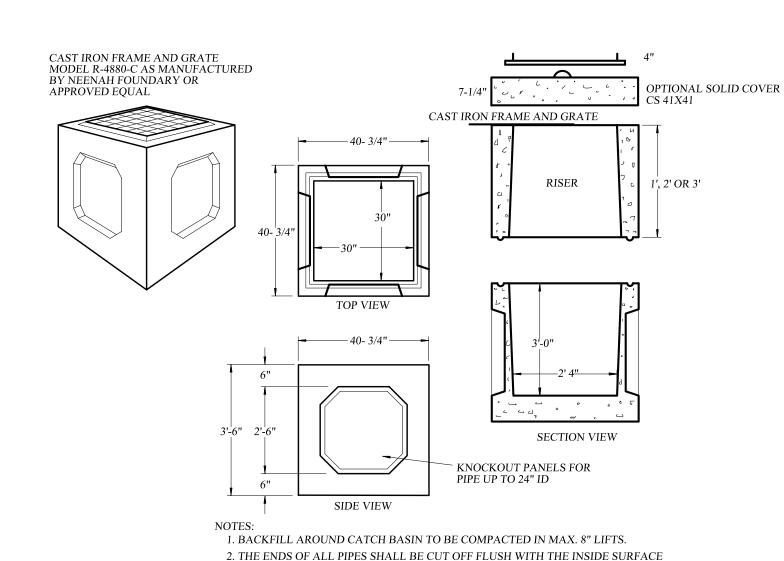
FRONT ELEVATION

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

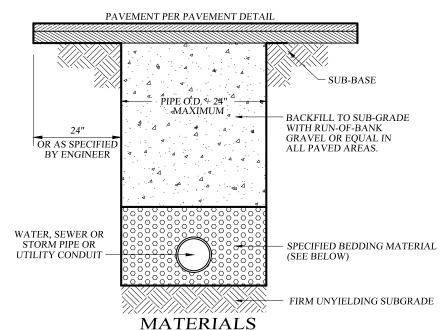


O.C.S. DRAINAGE MANHOLE C-2B



OF CATCH BASIN AND ADEQUATELY MORTARED.

3. PRECAST CONCRETE TO BE 4000 PSI @ 28 DAYS PRECAST CONCRETE FIELD INLET DETAIL



PIPE ZONE BEDDING MATERIAL: PIPE ZONE BACKFILL MATERIAL: 1. WATER MAINS: ON-SITE MATERIAL FREE OF STONE, 1. WATER MAINS: SAND OR RUN-OF-BANK GRAVEL, AS APPROVED BY SOILS ENGINEER. CLAY FOREIGN MATERIAL OR FROZEN EARTH 2. SEWER MAINS: 1/4" CRUSHED STONE. AS APPROVED BY SOILS ENGINEER. 3. STORM SEWER: 1/4" CRUSHED STONE. 2. SEWER MAINS: 1/4" CRUSHED STONE STORM SEWER: ON-SITE MATERIAL FREE OF STONE, CLAY, FOREIGN MATERIAL OR FROZEN EARTH AS APPROVED BY SOILS ENGINEER OR NYS DOT ITEM #4.

PIPE BEDDING AND BACKFILL **DETAIL**

