

ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS NOTES:

GENERAL NOTES:

- Contractor shall be responsible for the removal and replacement of signs, guide rails, guide posts, culvert pipes, mailboxes, headwalls, etc. which must be removed for construction. Contractor shall reinstall any removed items on a daily basis. Any items damaged by removal or reinstallation shall be replaced and reinstalled by the contractor with a new item.
- No utility work (Water, Sewer Storm Drainage) is allowed to be performed between November 15 and March 15 within the County Right of Way.
- No track equipment is allowed on the County Road without placing mats, plywood, tires, etc. to protect the asphalt road.
- No open trenches are allowed to remain open overnight.
- All open trenches are required to be backfilled on a daily basis.
- All disturbed areas for the installation of the driveways are required to be shaped and graded, seeded and mulched (within 24 hours) of completion of the stabilized entrance.

LANDSCAPING:

- Any planting and landscaping features are required to be offset from the property line by 4 feet.

BACKFILL MATERIALS:

- Provide Cross Section Details for Backfill Requirements within the Asphalt, Within 8 feet of the Edge of Pavement, and 8 feet beyond from the Edge of Pavement.
- Dry K Crete shall be used at all road crossing (town roads), commercial entrances, and all trenches within Asphalt or as directed by Orange County Inspector.
- Item No. 4: Item 304.12 Subbase Course Type 2 is required to be used as backfill from edge of pavement out eight feet.
- Excavated material is allowed to be used as backfill material 8 ft beyond the edge of pavement. No boulders/rocks over 12 inches are allowed to be used as backfill.
- Material tickets are required to be provided to the Orange County Inspector on a daily basis for all material used in the County Right of Way.

ASPHALT RESTORATION:

- All pavement restoration needs to be completed on a daily basis.
- Rugged trench edges must saw cut prior to any paving (temporary or permanent).
- It will be the responsibility of the contractor to maintain the 5" of binder course flush with the existing pavement surface throughout the duration of the project. Final asphalt restoration is to be completed at the completion of the project.
- All temporary asphalt is required to be five (5) inches thick and placed in two (2) lifts of 2 1/2 inches.
- All edges of existing asphalt are required to be swept and tack coated prior to paving.
- All Asphalt is required to be saw cut parallel or perpendicular to the trench or to the existing asphalt.
- No rugged edges are acceptable.
- All saw cutting is required to be performed prior to placing Asphalt Binder. Milling out the jagged edges on the top course or final asphalt will not be accepted by Orange County.
- All Asphalt Joints are required to be crack sealed upon completing final paving.

ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS GENERAL NOTES:

- NO SITE PREPARATION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS, SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT HAS BEEN SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS UNDER SECTION 136 OF THE HIGHWAY LAW.
- THE VEGETATIVE DRIP EDGE, AT MATURITY, SHALL NOT PROJECT INTO THE COUNTY R.O.W.
- NO SIGNS SHALL BE PLACED WITHIN, OR PROJECT INTO, THE COUNTY R.O.W.

MAINTENANCE AND PROTECTION OF TRAFFIC:

- Provide notes that all work is to be performed in accordance with Orange County Requirements. The following signs are required to be placed in each direction to perform the work per the approved plans: Road Work 1500 Ft, Road Work 1000 Ft, Road Work 500 Ft, One Lane Road

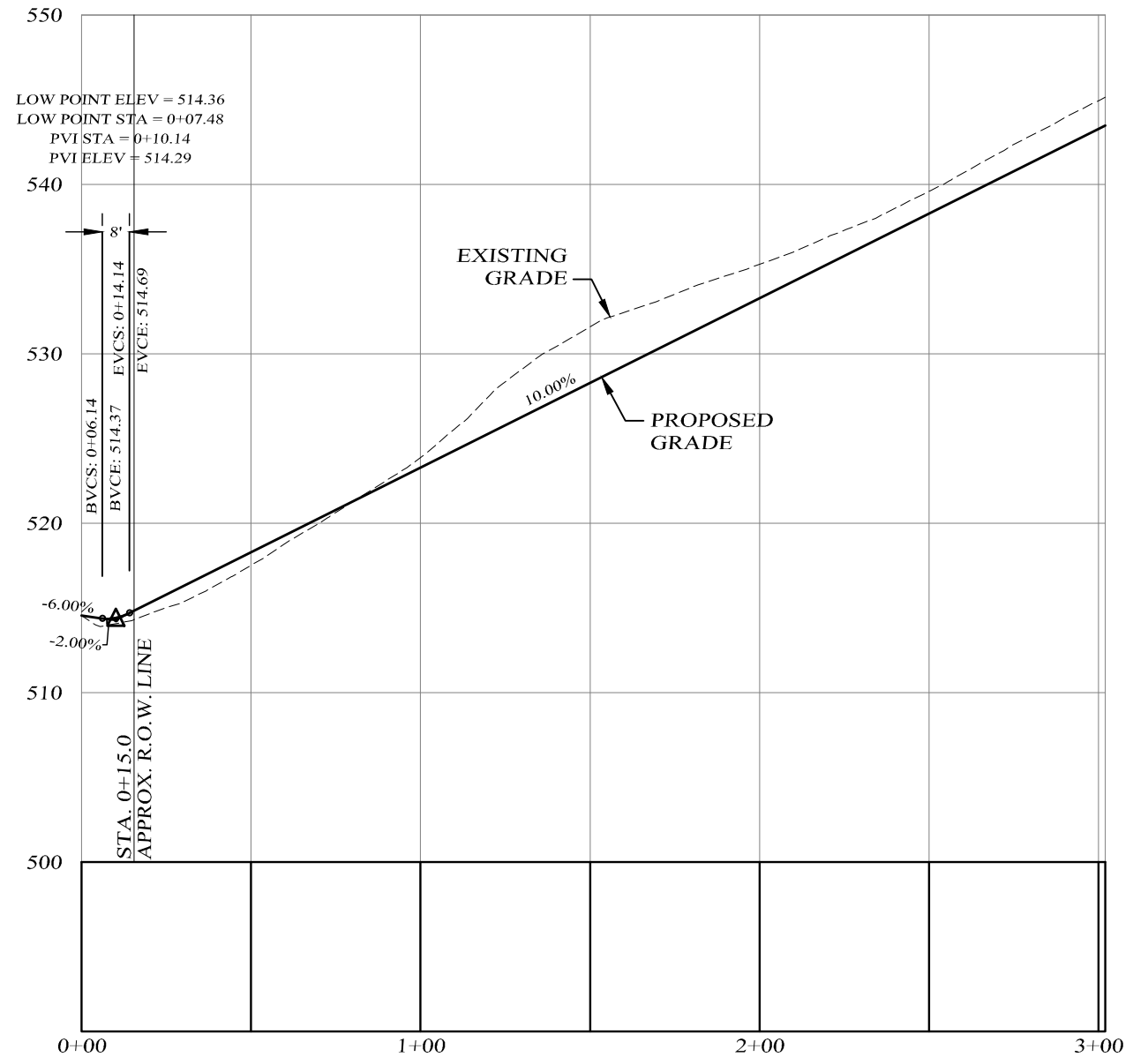
- Ahead, Flagger Symbol on each approach when taking a travel lane. When work is performed on the shoulder the following signs are required: Road Work 1500 Ft, Road Work 1000 Ft, Road Work 500 Ft, No Shoulder. Flagger Symbols are required to be available for a "No Shoulder" Work Zone in case flaggers are used to direct traffic.
- All Maintenance and Protection of Traffic Construction Signs shall be installed and in place prior any work starting. All construction signage is required to meet the requirements as per the "National Manual of Uniform Traffic Control Devices for Streets and Highways" and NYS Supplement latest edition and revisions. In a case where County requirements are more stringent with regard required MPT signage, the County requirements are the standard to be adhered to.
 - The construction signage shall be installed on permanent posts, on breakaway posts or on wind- masters and covered and uncovered on a daily basis. The contractor must have all the necessary construction signs to perform the work safely; i.e. Additional signage: One Lane Road Ahead, Flagger Symbol, if a lane has to be closed to perform work.
 - All construction signage is required to be 720-05.02 - ASTM Type III (Class B) as per NYS Standard Specifications: Construction and Materials. Hi-intensity reflective sheeting
 - often referred to as high intensity. It is recommended for highway signs, construction signs, delineators, and other work zone devices.
 - Work zone is required to be properly delineated with cones or construction barrels.
 - Orange County reserves the right to preclude all work and lane closures during any inclement weather or other unforeseen circumstances (i.e. wet, icy conditions, reduced visibility, traffic accidents on state, county, town or village road, or other emergencies).
 - No lanes closures will be permitted from 12 noon prior to a holiday and until 10 am the day after the holiday.
 - Flaggers shall not control more than one approach at any time throughout the duration of the work zone. Additional flaggers are required to control all approaches in a work zone.
 - Eighteen (18) inch stop and slow paddles are required to direct traffic.
 - Two way radios are required for flaggers to communicate between each other.

TOWN OF CHESTER BULK REQUIREMENTS "GC" ZONING DISTRICT

	MINIMUM REQUIRED	PROVIDED
LOT AREA (AC.)	2	2.012
LOT WIDTH (FT.)	200	460±
FRONT YARD (FT.)	75	95±
REAR YARD (FT.)	50	50±
SIDE YARD (FT.)	20	21±
BOTH SIDE YARDS (FT.)	40	90±
	MAXIMUM ALLOWED	
BUILDING HEIGHT (FT.)	40	<40
BUILDING COVERAGE (%)	30	6±



LOCATION MAP SCALE 1" = 2000'



ACCESS DRIVE PROFILE SCALES: VER: 1" = 10' HOR: 1" = 50'

GENERAL NOTES:

- TOWN OF CHESTER TAX PARCEL SEC. 6, BLK 1, LOT 68.2
- TOTAL AREA OF THIS PARCEL PER SURVEY = 2.012 AC.
- PARCEL LIES WITHIN THE GC ZONING DISTRICT.
- TOPOGRAPHIC AND BOUNDARY INFORMATION FROM MAP ENTITLED "SITE PLAN FOR DUPAULIS & SONS INC" PREPARED BY: JAMES A. DILLIN, PLS, GOSHEN, NY.
- THERE ARE NO WELL OR SEPTIC FACILITIES PROPOSED.

Lands of
KLEIN
TOWN OF CHESTER ORANGE COUNTY, NEW YORK
PROJECT TITLE SEC. 6, BLK 1, LOT 68.2

iCAN STORAGE
SITE PLAN

Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick, NY 10990
(845) 988-0620

10-26-21	REV PER ENGINEER'S COMMENTS				
09-15-21	INITIAL PREPARATION				
DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE	
D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #		
N.A.	N.A.	N.A.			
CAD #	PROJECT #	SCALE			
21117 CONC	21117	AS SHOWN			

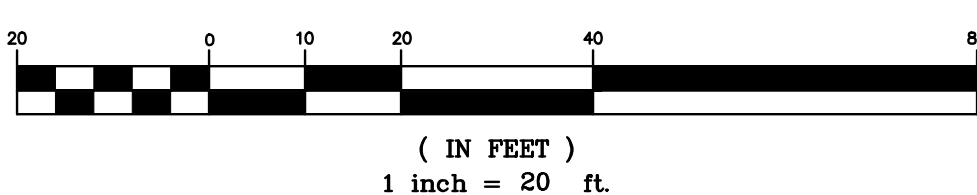
1 OF 2

HOURS OF OPERATION:
MON. - FRI. 7:00 AM - 6:00PM
SAT. 8:00 AM - 12:00PM

LIGHTING HEIGHT CALCULATION:

MAXIMUM LIGHTING HEIGHT =
= DISTANCE FROM LIGHT TO PROPERTY LINE / 3 + 3 FEET.
= (45 FEET / 3) + 3 FEET.
= 15 FEET + 3 FEET.
= 18 FEET
MAXIMUM LIGHTING HEIGHT = 18 FEET
PROPOSED LIGHTING HEIGHT = 15 FEET

GRAPHIC SCALE

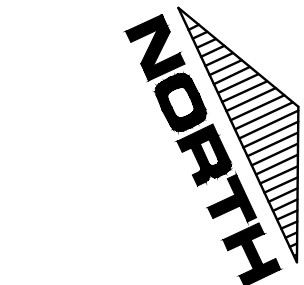


SHEET INDEX

- SHEET #1 - iCAN STORAGE SITE PLAN
SHEET #2 - DETAIL SHEET

RECORD OWNER / APPLICANT

David & Judy Klein
135 North Route 9W
Congers, NY 10920

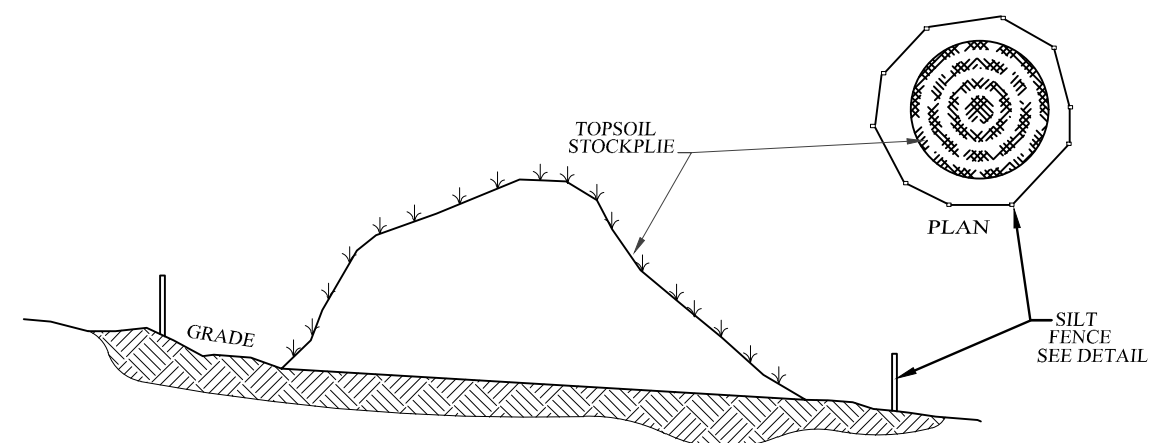


N/T
KRU MANAGEMENT
SEC 6, BLK 1, LOT 67.1

N/F
THE FROZEN
ROCK, LLC
SEC 6, BLK 1, LOT 15

LEGEND

- EXISTING PROPERTY LINE
- EXISTING 10' CONTOUR LINE
- EXISTING 2' CONTOUR LINE
- EXISTING EDGE OF PAVEMENT
- BUILDING SETBACK LINE
- PROPOSED CONTOUR LINE
- PROPOSED CHAIN LINK FENCE
- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED SILT FENCE
- PROPOSED SWALE
- EXISTING TREE LINE



TOPSOIL STOCKPILE DETAIL

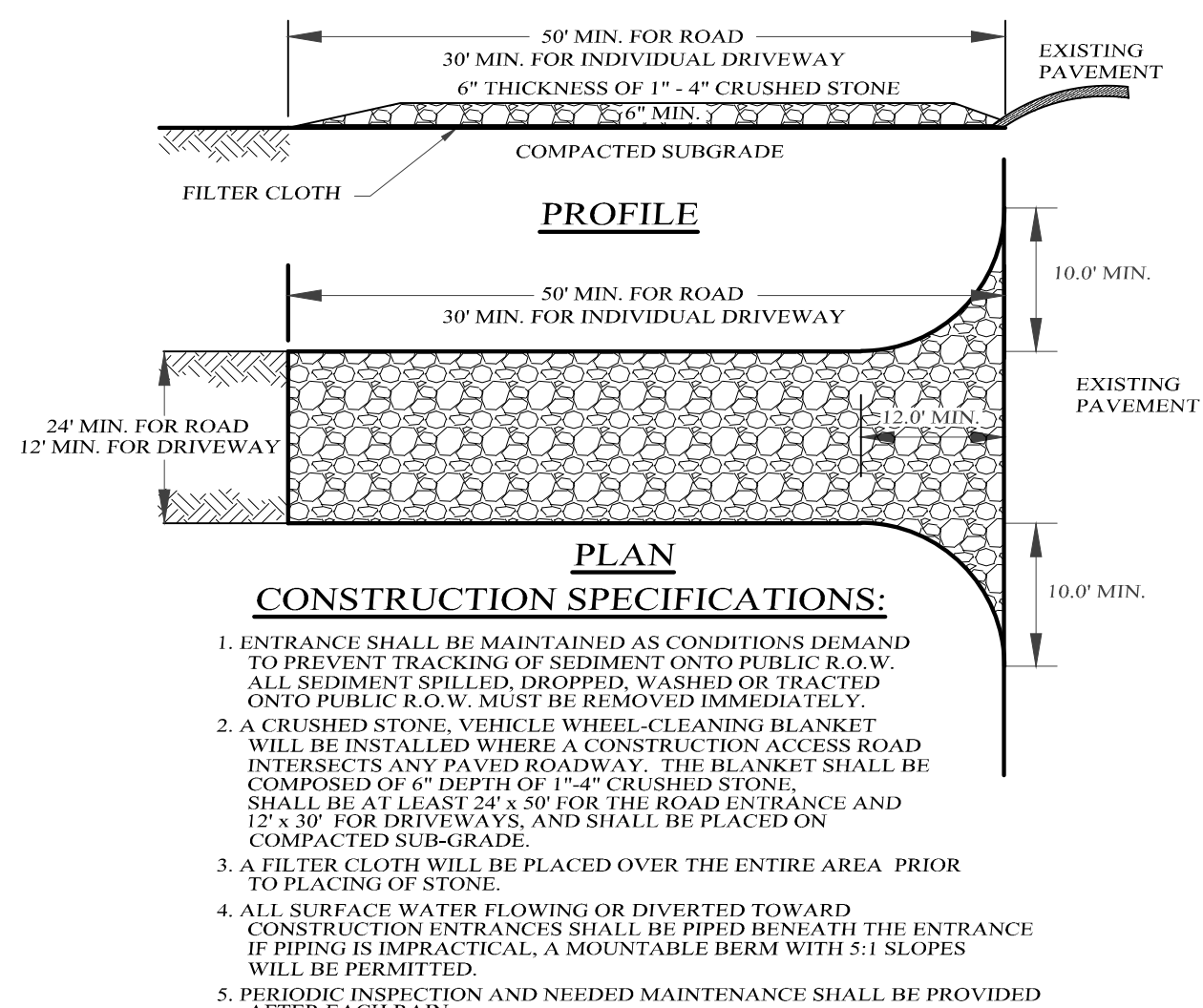
NOT TO SCALE

FENCE PROPERTIES	MINIMUM VALUE	STANDARD
GRAB TENSILE STRENGTH (LBS)	90	ASTM D 1682
ELONGATION AT FAILURE (%)	50	ASTM D 1682
MULEN BURST STRENGTH (PSI)	190	ASTM D 3786
PUNCTURE STRENGTH (LBS)	40	ASTM D 751 (MODIFIED)
SLURRY FLOW RATE (GAL/MIN/SP)	0.3	
EQUILIVENT OPENING SIZE	40-80	US STD SIEVE CW-0215
ULTRAVIOLET RADIATION STABILITY (%)	90	ASTM G-26
SLOPE STEEPNESS	2:1	MAXIMUM FENCE SPACING (FT)
	3:1	25
	4:1	50
	5:1 OR FLATTER	75
		100

- NOTES:
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
 2. WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD WITH A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQUARE INCHES.
 3. STEEL POSTS WILL BE STANDARD "T" AND "U" SECTION WEIGHING NOT LESS THAN 100 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 A, MIRAFT 100X, STABILINKA 1740N, OR APPROVED EQUAL.
 6. PREFABRICATED UNITS SHALL BE GEOTAR, ENVROFENCE, OR APPROVED EQUAL.
 7. ALL SILT FENCES SHALL RUN PARALLEL TO THE CONTOUR OF THE LAND.
 8. ALL SILT FENCING SHALL MEET THE MINIMUM REQUIREMENTS AS STATED UNLESS OTHERWISE NOTED AND APPROVED BY THE BUILDING INSPECTOR AND ENGINEER.
 9. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL SHALL BE REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

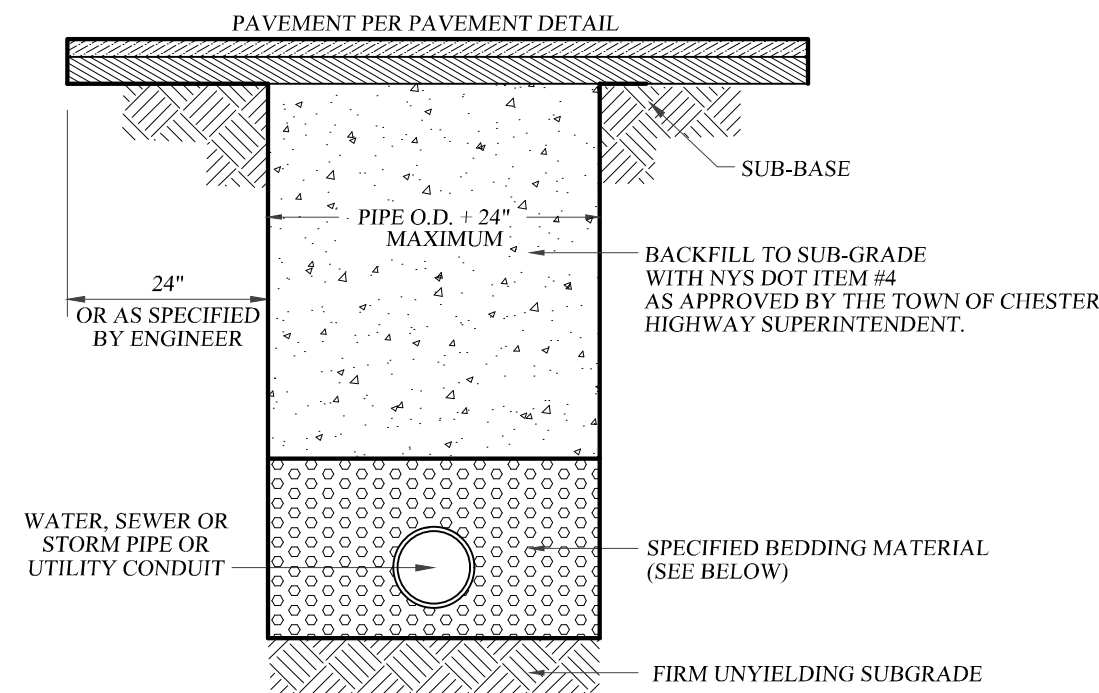
FILTER FABRIC SILT FENCE DETAIL

NOT TO SCALE



STABILIZED CONSTRUCTION ENTRANCE DETAIL

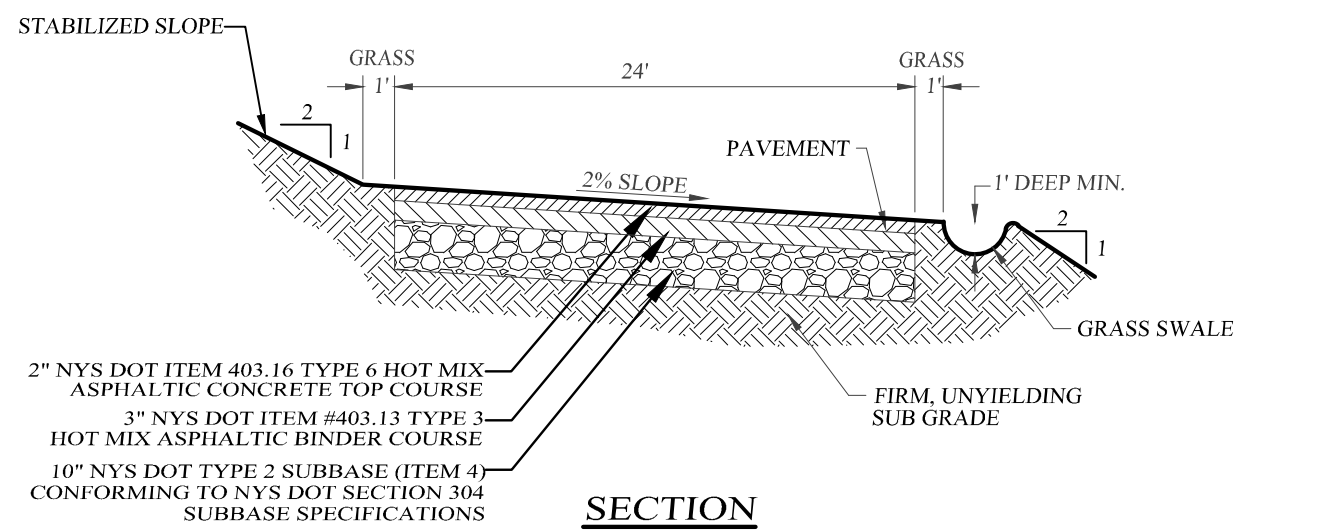
NOT TO SCALE



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

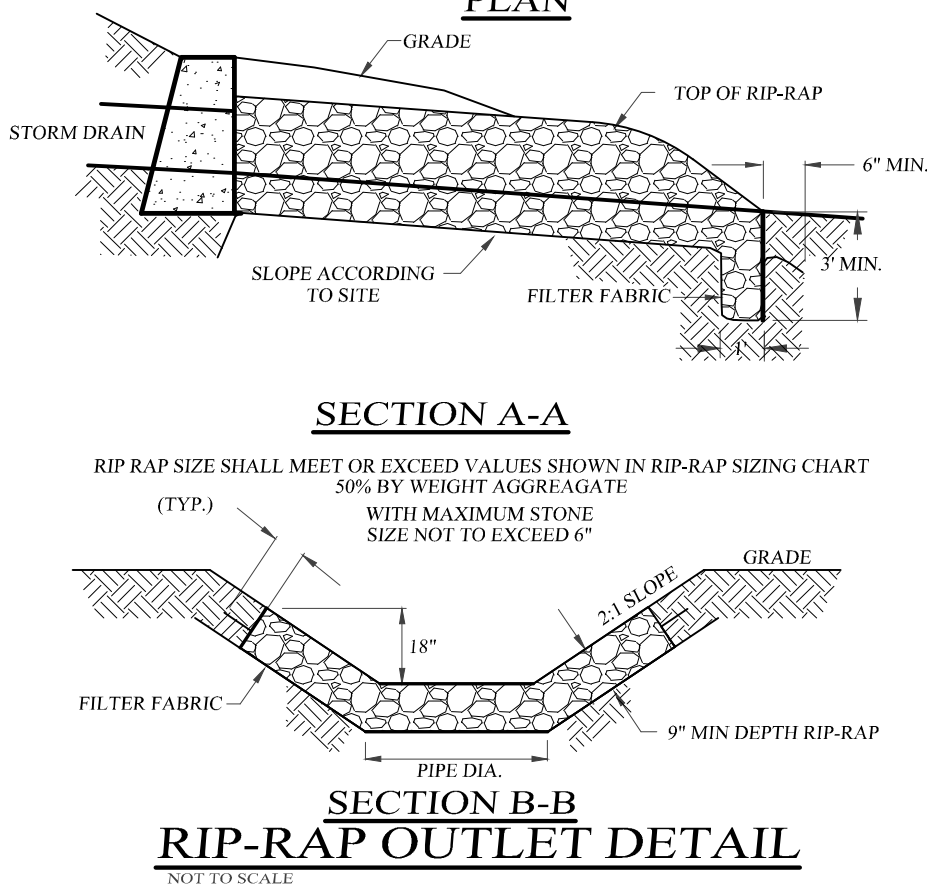
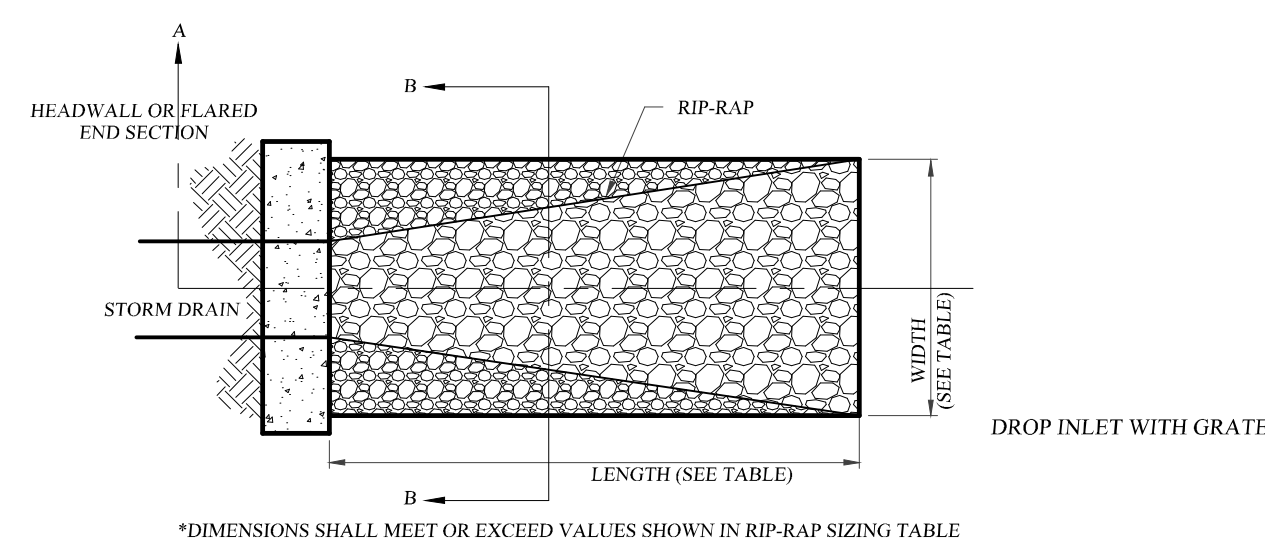
PIPE BEDDING AND BACKFILL DETAIL

NOT TO SCALE



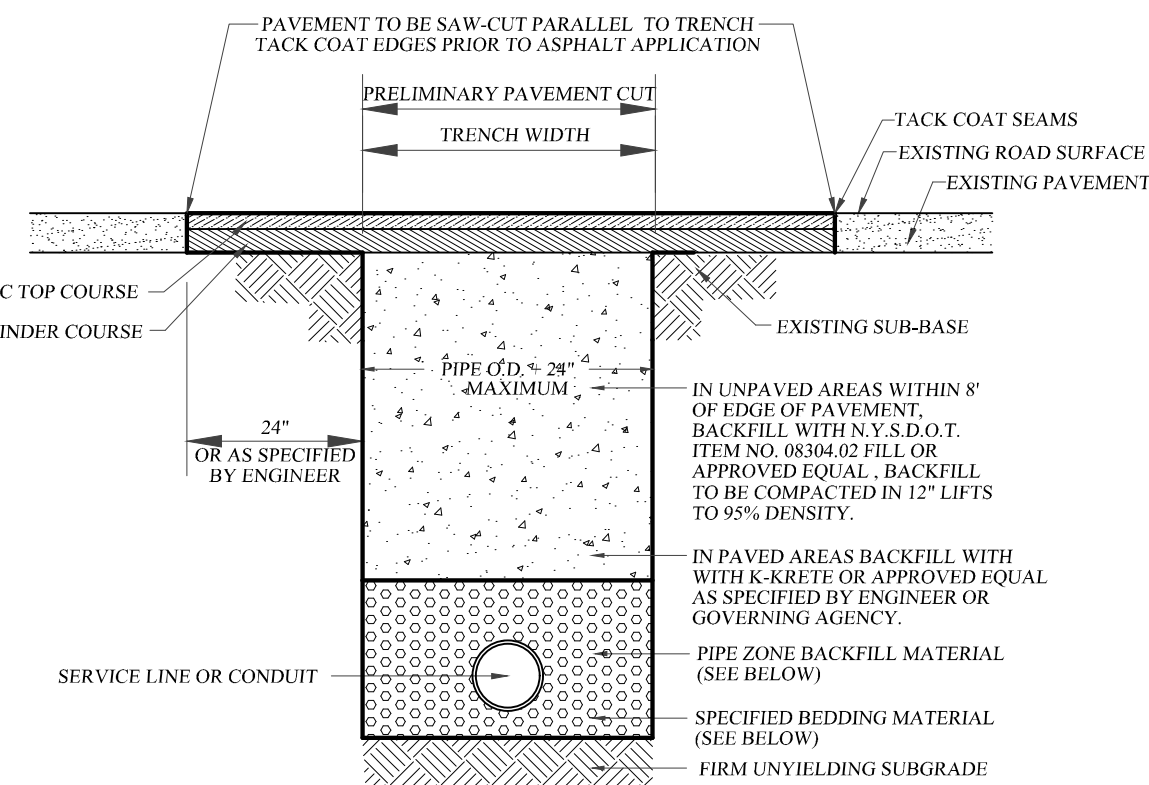
ACCESS DRIVE DETAIL WITHIN SITE

NOT TO SCALE



SECTION A-A RIP-RAP OUTLET DETAIL

NOT TO SCALE

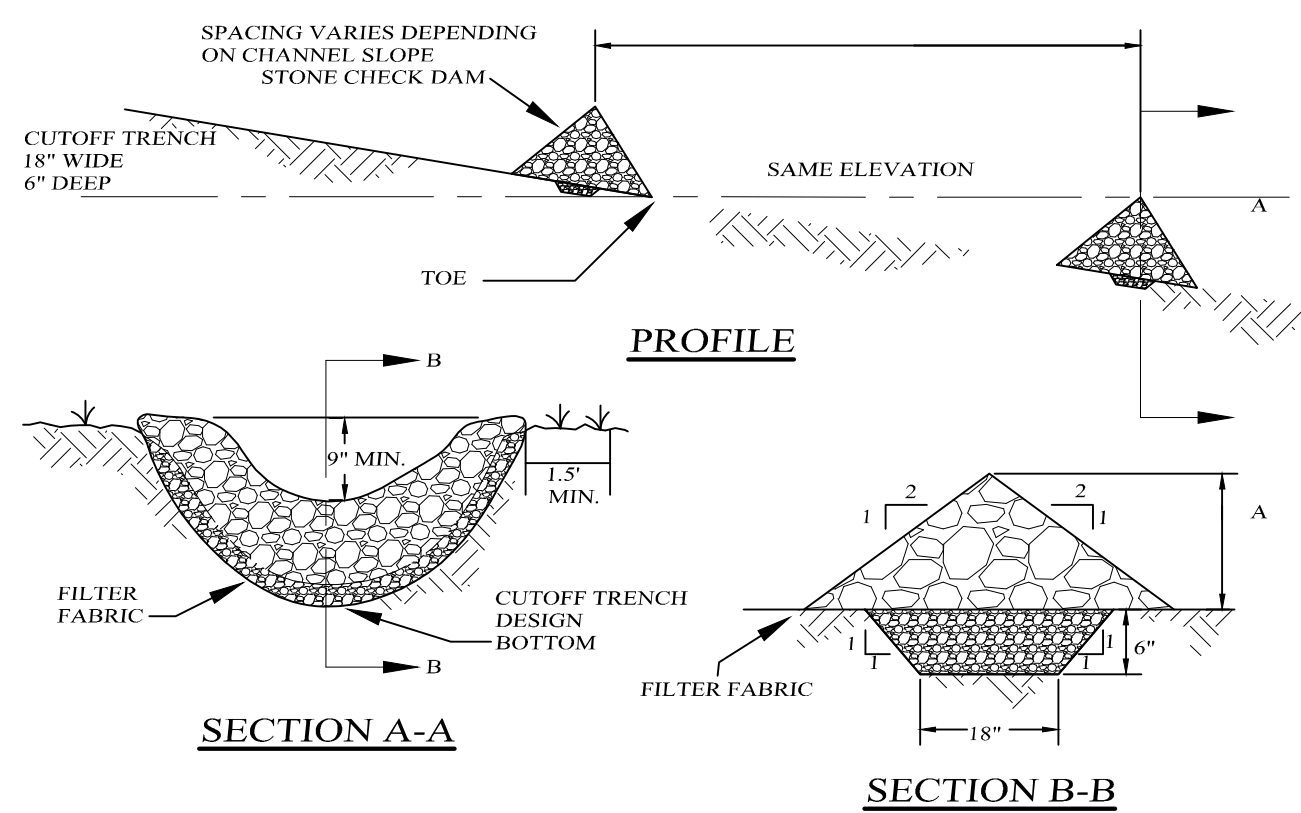


- PIPE ZONE BEDDING MATERIAL:
1. WATER MAINS: SAND OR RUN-OF-BANK GRAVEL, AS APPROVED BY SOILS ENGINEER.
 2. SEWER MAINS: SAND OR PEA GRAVEL.
 3. STORM SEWER: 3/4" CRUSHED STONE.
- PIPE ZONE BACKFILL MATERIAL:
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PIPE BEDDING AND BACKFILL DETAIL

NOT TO SCALE

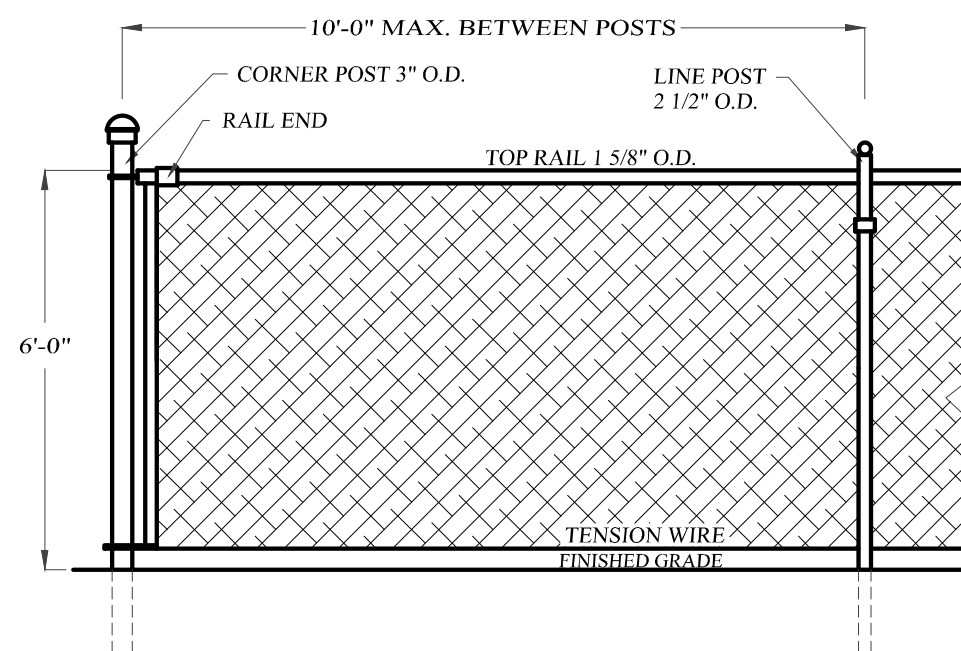
(WITHIN TOWN OR COUNTY R.O.W.)



- CONSTRUCTION SPECIFICATIONS:
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 ELEVATION OF THE TOP OF THE UPSTREAM DAM.
 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 LINER AS APPROPRIATE.
 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

NOT TO SCALE



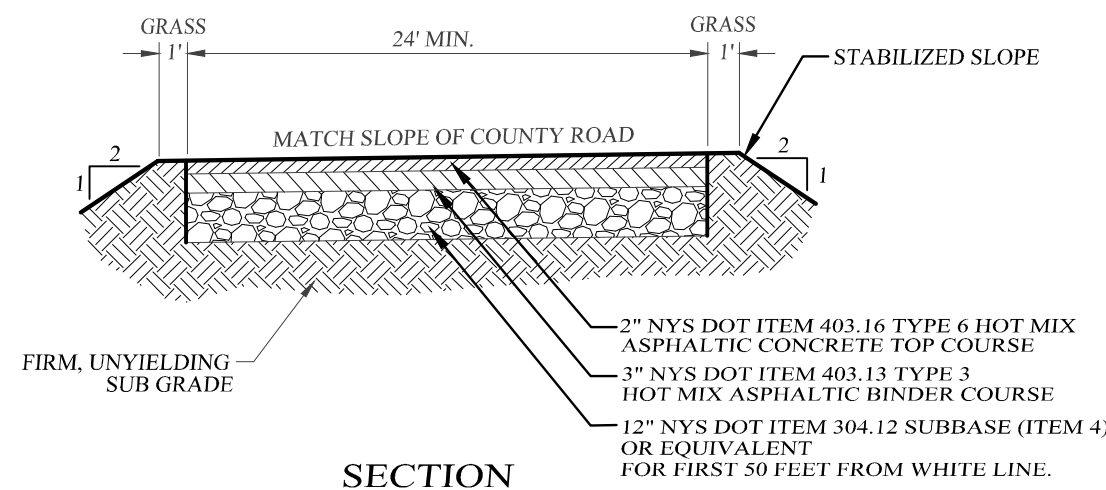
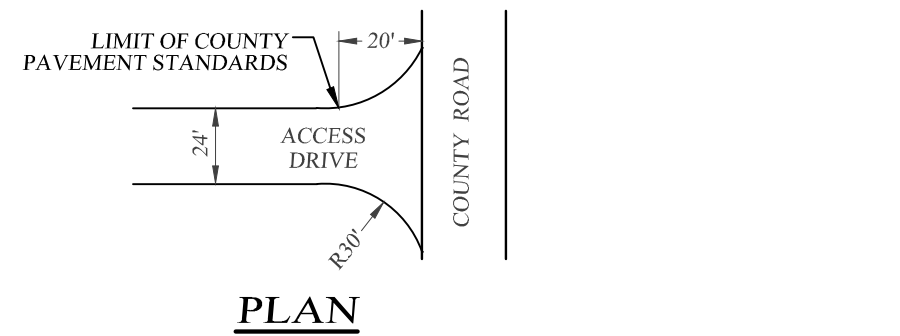
- NOTES:
1. POST SPACING SHALL BE EQUIDISTANT.
 2. ALL FENCE COMPONENTS SHALL BE INSTALLED PER MANUFACTURER.

CHAIN LINK FENCE DETAIL

NOT TO SCALE

ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS NOTES:

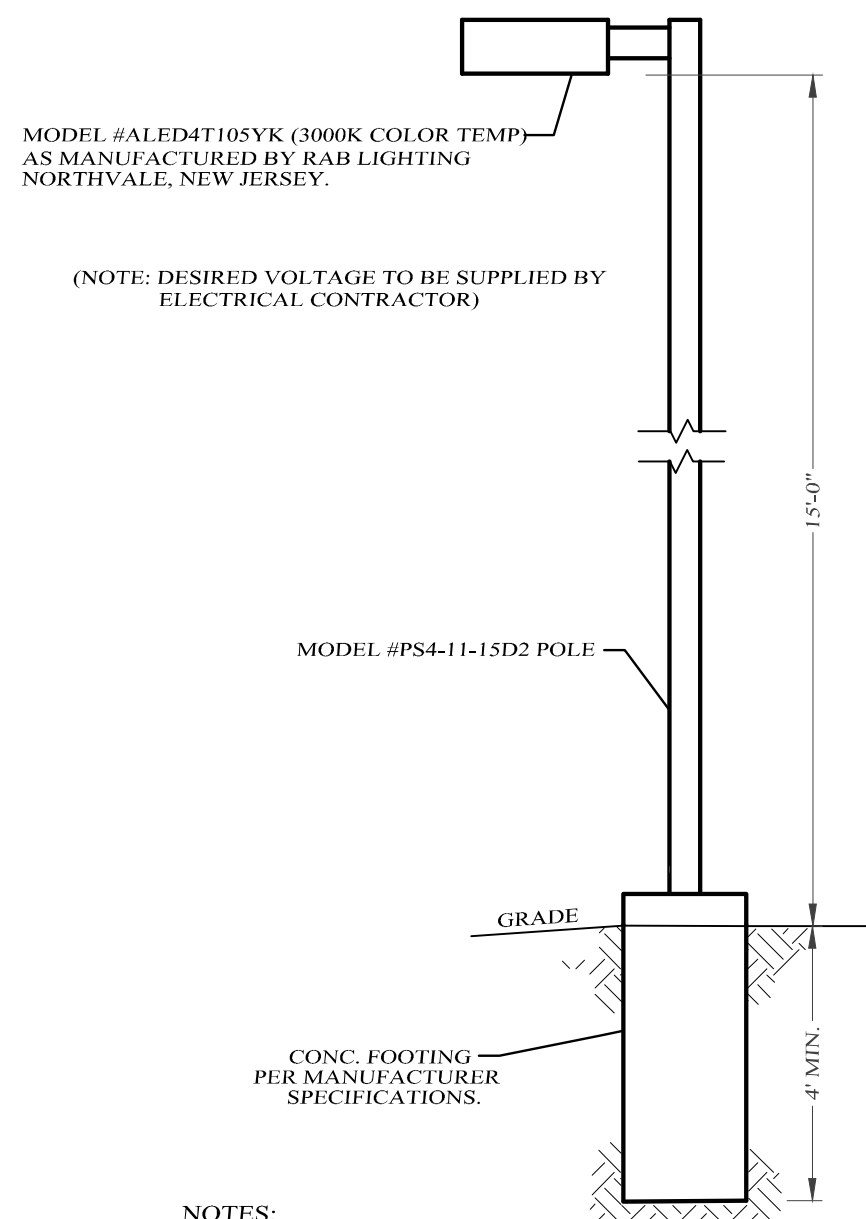
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2. THE VEGETATIVE DRIP EDGE, AT MATURITY, SHALL NOT PROJECT INTO THE COUNTY R.O.W.
3. NO SIGNS SHALL BE PLACED WITHIN, OR PROJECT INTO, THE COUNTY R.O.W.



ACCESS DRIVE DETAIL WITHIN COUNTY R.O.W.

NOT TO SCALE

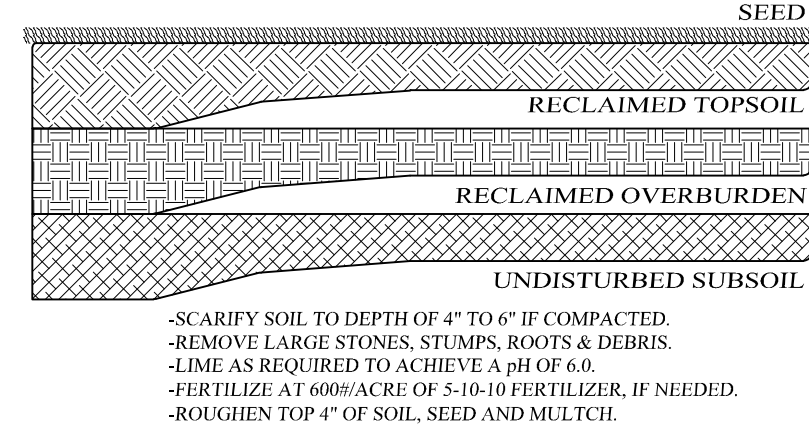
- NOTES:
1. AT THE TIME OF CONSTRUCTION, THE NEW DRIVEWAY PAVEMENT IS TO BE KEYED INTO THE COUNTY ROAD SHOULDER ASPHALT AS DIRECTED BY THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS - WORKS - DIVISION OF ENGINEERING.
 2. ACCESS DRIVE TO MEET THE COUNTY PAVEMENT STANDARDS FOR A MINIMUM OF 50 FEET FROM THE WHITE LINE.
 3. BEYOND FIRST 50 FEET FOLLOW STANDARD DETAIL FOR BASE AND PAVEMENT REQUIREMENTS.



- NOTES:
1. LIGHTS ALONG EXTERIOR PROPERTY LINE TO BE SHIELDED SO AS TO MINIMIZE SPILLOVER OF GLARE ONTO ADJOINING PROPERTIES.
 2. ALL ELECTRICAL COMPONENTS TO BE AS SPECIFIED BY MANUFACTURER AND INSTALLED IN CONFORMANCE WITH ALL APPLICABLE BUILDING CODES.

POLE MOUNTED LIGHT DETAIL

NOT TO SCALE



RECLAMATION DETAIL

NOT TO SCALE

DATE	REVISIONS
10-26-21	REV PER ENGINEER'S COMMENTS
09-15-21	INITIAL PREPARATION

Lands of KLEIN TOWN OF CHESTER ORANGE COUNTY, NEW YORK PROJECT TITLE SEC. 6, BLK 1, LOT 68.2			
DETAIL SHEET			
DRAWING TITLE			
Kirk Rother, P.E. CONSULTING ENGINEER, PLLC 5 Saint Stephens Lane, Warwick, NY 10990 (845) 988-0620			
D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	2 OF 2
CAD #	PROJECT #	SCALE	
21117 CONC	21117	AS SHOWN	