

# TOWN OF NEWBURGH PLANNING BOARD TECHNICAL REVIEW COMMENTS

PROJECT NAME: POPPY LANE AMENDED SUBDIVISION

PROJECT NO.: 21-26

PROJECT LOCATION: SECTION 6, BLOCK 1, LOT 113, 114 &115

REVIEW DATE: 13 MAY 2022 MEETING DATE: 19 MAY 2022

PROJECT REPRESENTATIVE: ENGINEERING & SURVEYING PROPERTIES, PC

- 1. The project is before the Board for a continuation of a Public Hearing. Previously unresolved drainage issues are being addressed.
- 2. The applicant's representative have provided a Stormwater Design which will convey stormwater from the private road entrance to Lester Clark Drive in an easterly direction to an existing closed pipe drainage system. The existing drainage system appears consist of 18" diameter pipe discharging to a 15" diameter pipe. The addition of the pipe from the site to the existing catch basin will add an additional 18" pipe to the system. The capacity of the existing 15" pipe should be evaluated to ensure that tributary flow can be conveyed for the design storm event.
- 3. The discharge location of the existing 15" HDPE pipe should be depicted on the plans. This is required to identify any downgradient impacts of the increased runoff tributary to the 15" stormwater system.
- 4. Cost estimates for the private roadway and off- site drainage improvements should be provided such that upon approval the securities can be sent to the Town Board for acceptance.
- 5. The Board is reminded that the applicant is seeking waivers for the percent grade of the private roadway and the waiver for the cul-de-sac at the termination of the private road.

Respectfully submitted,

MHE Engineering, D.P.C.

Patrit of Offenes

Patrick J. Hines

Principal PJH/kbw



May 6, 2022

Town of Newburgh Planning Board 21 Hudson Valley Professional Plaza Newburgh, NY 12550

ATTN: John P. Ewasutyn, Chairman

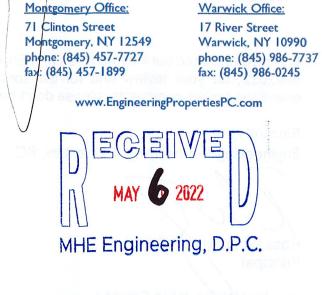
RE: W.O. # 1493.01 POPPY LANE

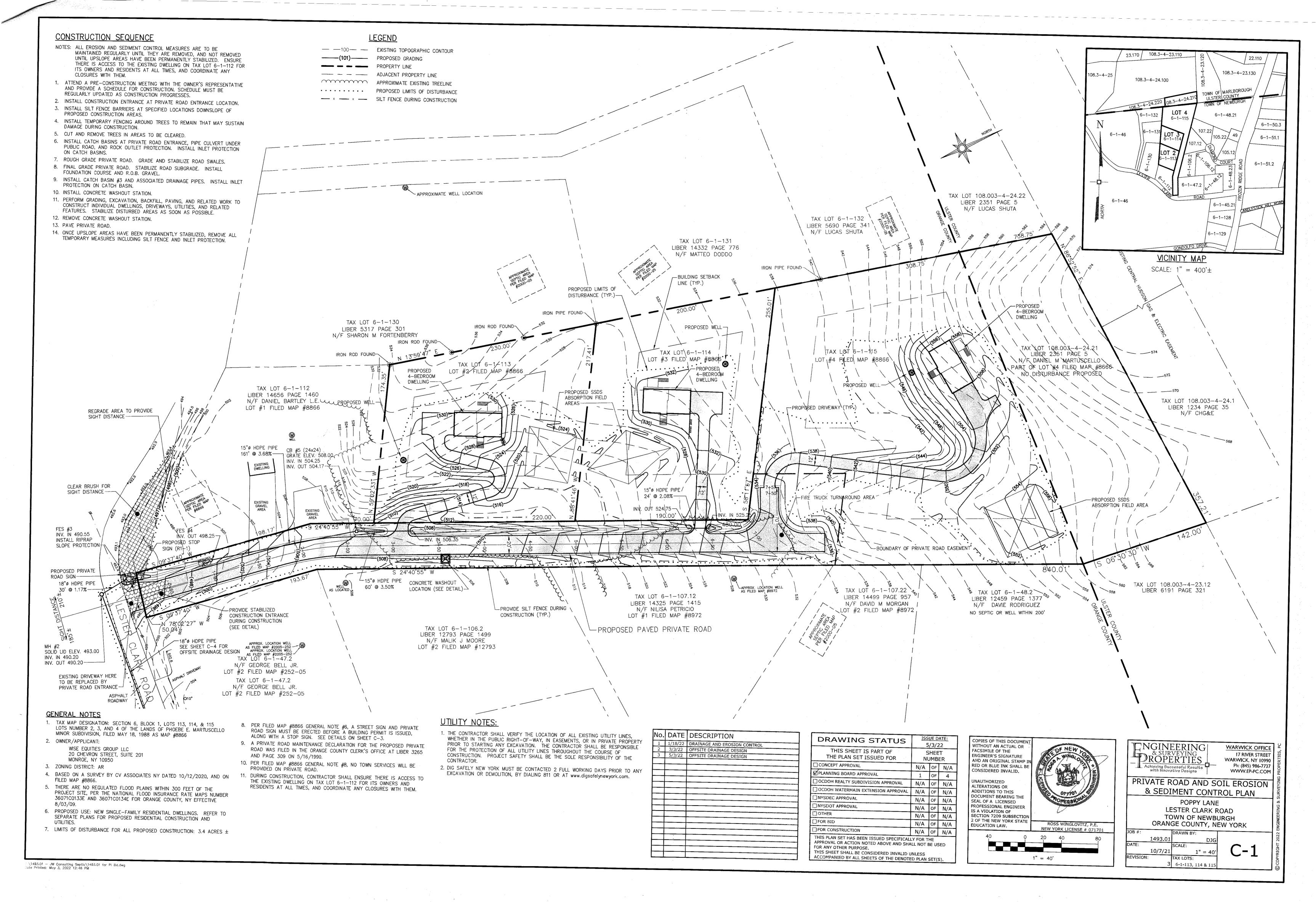
SECTION 6, BLOCK 1, LOTS 113, 114, AND 115, OFF OF LESTER CLARK ROAD LOTS 2, 3 & 4 OF THE MARTUSCELLO SUBDIVISION, FILED MAP #8866 5/18/1988 RESPONSE TO COMMENTS

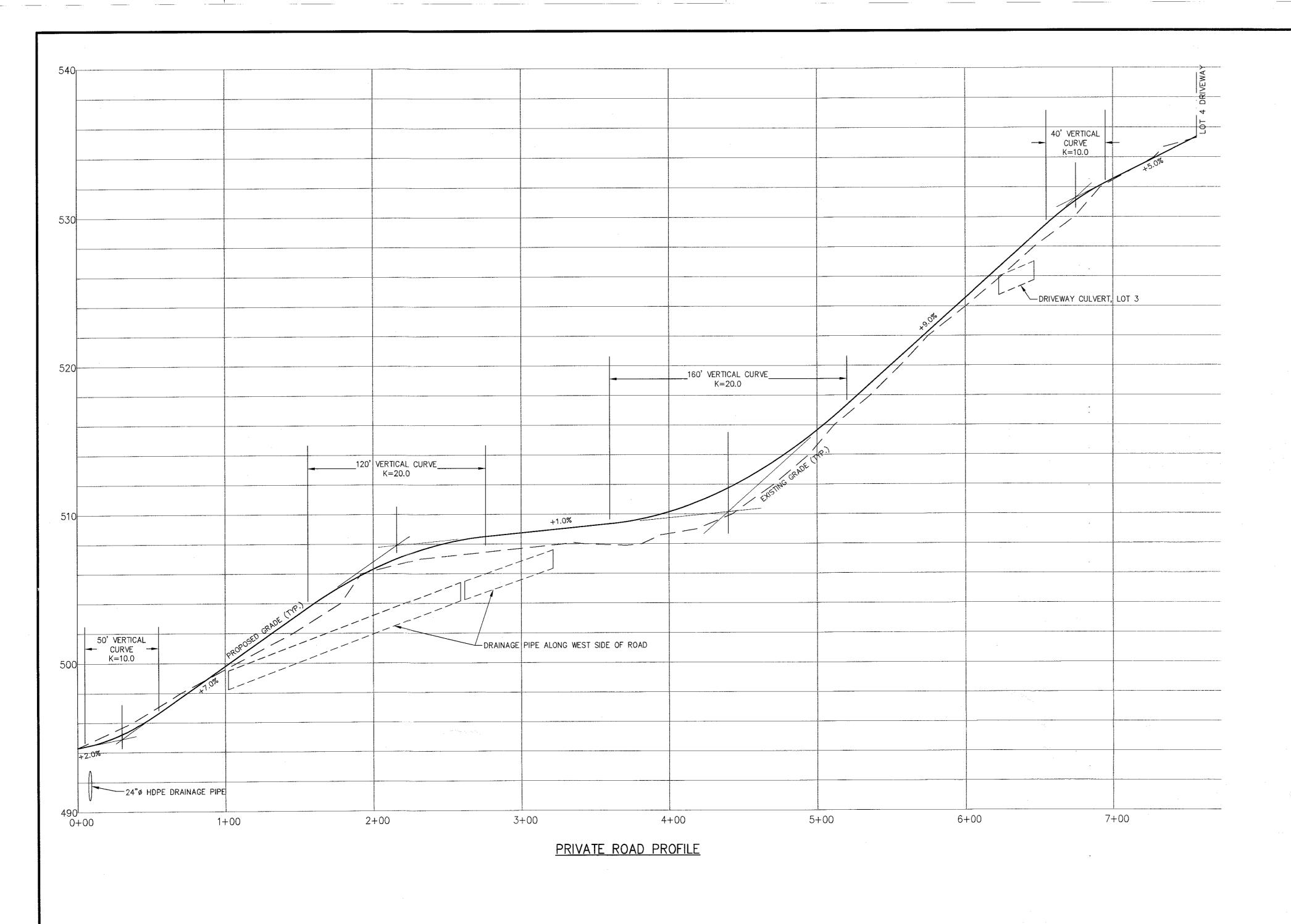
Dear Chair Ewasutyn and members of the Board,

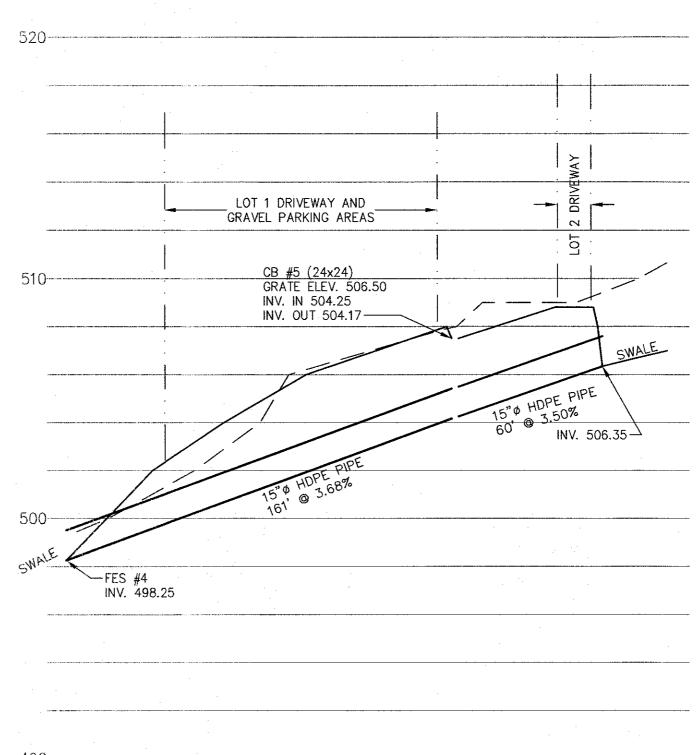
We have revised the plans for the above-referenced property in response to comments provided at the March 17, 2022 meeting. We provide the following numbered responses to Planning Board Engineer Patrick Hines's review letter dated March 11 (copy attached):

- No response required at this time.
- 2. The section of Lester Clark Road where the off-site drainage is to be provided has been surveyed, and the design of the off-site drainage has been revised. This information is on Sheet C-4 of the revised plans.
- 3. The revised plan includes two manholes, MH#1 and MH#2, along the south side of Lester Clark Road.
- 4. A preliminary discussion with the highway superintendent indicated that the concept was acceptable. Plans have been sent to his office for review.
- 5. The existing culvert has been surveyed; it is an 18" diameter culvert with catch basins at both ends. Instead of using this culvert, a new culvert across Lester Clark is proposed at the location of the new private road entrance.

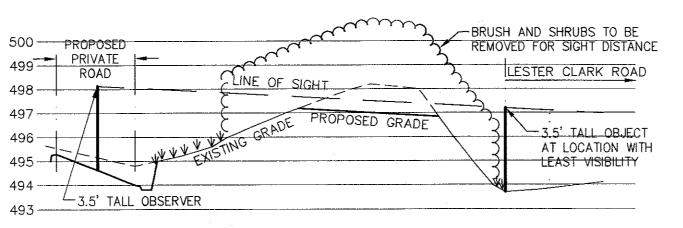








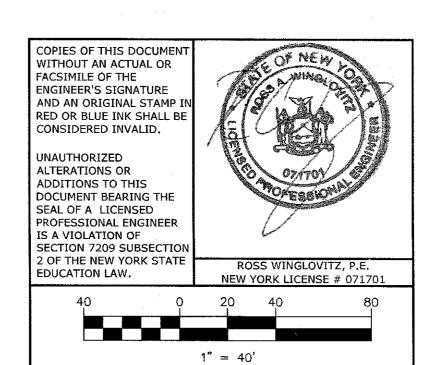
DRAINAGE PROFILE AT DRIVEWAYS FOR LOTS 1 & 2

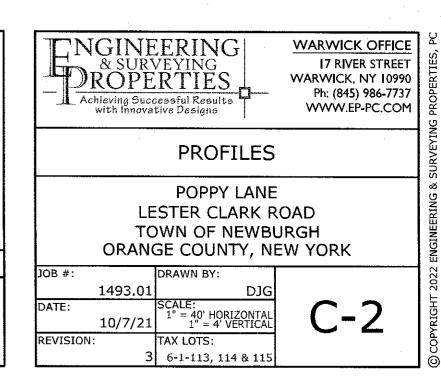


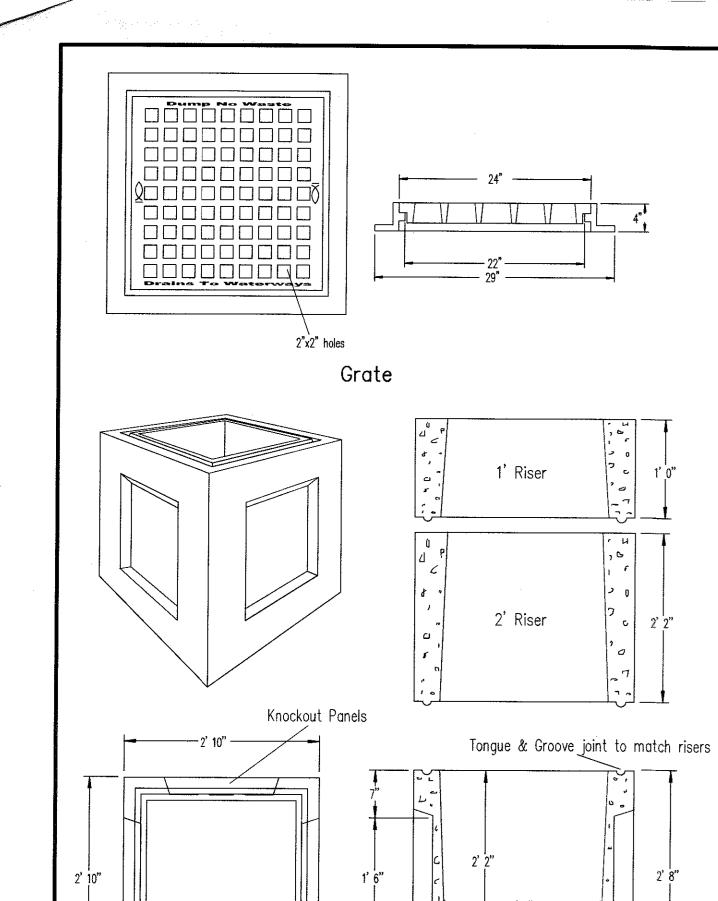
LINE OF SIGHT PROFILE - PRIVATE ROAD ENTRANCE

No.	DATE	DESCRIPTION
1	1/18/22	DRAINAGE AND EROSION CONTROL
2	3/3/22	OFFSITE DRAINAGE DESIGN
3	5/3/22	OFFSITE DRAINAGE DESIGN
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DRAWING STATUS	ISSUE DATE: 5/3/22		
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR	SHEET NUMBER		
CONCEPT APPROVAL	N/A	OF	N/A
PLANNING BOARD APPROVAL	2	OF	4
OCDOH REALTY SUBDIVISION APPROVAL	N/A	OF	N/A
OCDOH WATERMAIN EXTENSION APPROVAL	N/A	OF	N/A
NYSDEC APPROVAL	N/A	OF	N/A
NYSDOT APPROVAL	N/A	OF	N/A
OTHER	N/A	OF	N/A
☐FOR BID	N/A	OF	N/A
FOR CONSTRUCTION	N/A	OF	N/A
THIS PLAN SET HAS BEEN ISSUED SPECIFICAL APPROVAL OR ACTION NOTED ABOVE AND SHIFOR ANY OTHER PURPOSE. THIS SHEET SHALL BE CONSIDERED INVALID ACCOMPANIED BY ALL SHEETS OF THE DENOT	ALL NOT	BE U	







# CATCH BASIN TYPE 24x24

1. CATCH BASIN SHALL BE PRECAST CONCRETE MODEL CB-2x2 AS MANUFACTURED BY WOODARD'S CONCRETE PRODUCTS, INC., BULLVILLE NY, OR APPROVED EQUAL.

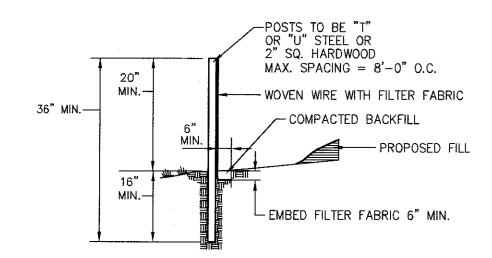
Side View

- 2. CONCRETE MIN. STRENGTH: 4,000 PSI AT 28 DAYS 3. STEEL REINFORCEMENT: #4 REBAR / ASTM A615 4. CONSTRUCTION JOINT: SEALED WITH BUTYL RUBBER SEALANT OR EQUIVALENT
- 5. LOAD RATING: H20 / ASTM C857
- 6. GRATE SHALL BE WOODARD'S CONCRETE PRODUCTS CAST IRON FRAME AND GRATE MODEL GRATE-24x24x4 OR APPROVED EQUAL.

### SOIL EROSION NOTES

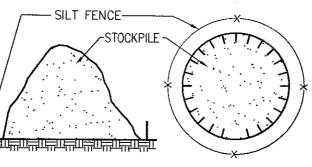
Top View

- 1. SILT FENCE BARRIERS SHALL BE INSTALLED PRIOR TO CONSTRUCTION. 2. DISTURBANCE TO BE LIMITED TO THE MINIMUM NECESSARY FOR THE GRADING AND CONSTRUCTION OF THE DWELLING, DRIVEWAY, LAWN, UTILITIES, ETC.
- 3. TEMPORARY SEEDING WITH ANNUAL RYE GRASS OR OTHER RAPID GROWING MIXTURE SHALL BE PERFORMED ON DISTURBED SOIL REMAINING VACANT FOR MORE THAN 14 DAYS AS FOLLOWS: a. SEED WITH ANNUAL RYEGRASS (2.5 LBS. PER 1,000 SQ. FT.)
- b. MULCH WITH STRAW (90 LBS. PER 1,000 SQ. FT.) 4. ALL DISTURBED AREAS TO BE MULCHED TO PREVENT EROSION, THE CONTRACTOR SHALL COMPLY WITH ALL REQUESTS OF THE VILLAGE ENGINEER OR BUILDING INSPECTOR DURING CONSTRUCTION WITH REGARD TO EROSION CONTROL DEVICES.
- 5. EROSION CONTROL MEASURES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL PERMANENT STABILIZATION HAS BEEN ESTABLISHED. 6. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY CEASES SHALL BE STABILIZED WITH PERMANENT SEED NO LATER THAN
- 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY, AS FOLLOWS: a. LOOSEN SEVERELY COMPACTED AREAS BY DISCING TO 12" DEPTH. b. FERTILIZE AS PER SOIL TEST OR APPLY 5-10-10 FERTILIZER (20 LBS. PER 1,000 SQ. FT.)
- c. SEED WITH THE FOLLOWING MIXTURE AT 5 LBS. PER 1,000 SQ. FT.: 50% KENTUCKY BLUEGRASS 25% MANHATTAN RYE GRASS
- 25% PENNLAWN CREEPING RED FESCUE d. MULCH WITH SALT HAY OR STRAW (90 LBS. PER 1,000 SQ. FT.)



### SILT FENCE DETAIL

- WHERE TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- SILT FENCE FABRIC TO BE MIRAFI 100X OR APPROVED EQUAL 4. WOVEN WIRE FENCE (MIN. 14.5 GAUGE, MAX 6" MESH SPACING)



### TOPSOIL STOCKPILE

STOCKPILE TO RECEIVE TEMPORARY SEEDING WITH ANNUAL RYE IF IT REMAINS IN PLACE FOR MORE THAN 30 DAYS.

SILT FENCE TO BE INSTALLED AROUND STOCKPILE (SEE SILT FENCE DETAIL).

--- END OF PIPE

- FLAT STRAP OR THREADED ROD -END SECTION

-- REINFORCED

**EDGE** 

IN ACCORDANCE WITH MANUFACTURER

PLAN

SECTION A-A

FLARED END SECTION AS PER PLANS.

FILTER FABRIC

FILTER FABRIC

2X4 WOOD FRAME

1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY

2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS.

EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3 FEET.

4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND

3. STAKE MATERIALS WILL BE STANDARD 2"X4" WOOD OR

IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE

DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3

FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND

AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE

5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND

6. A 2'X4" WOOD FRAME SHALL BE COMPLETED AROUND THE

CREST OF THE FABRIC FOR OVER FLOW STABILITY.

INLET PROTECTION DETAIL

GRAVEL CONSTRUCTION ENTRANCE BLANKET SPECIFICATIONS:

LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FT.

THICKNESS - NOT LESS THAN SIX (6) INCHES.

STONE SIZE - USE 1"-4" STONE, OR RECLAIMED OR RECYCLED

WIDTH - TWELVE (25) FT. MINIMUM, BUT NOT LESS THAN THE

FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.

TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS

MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A

CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF

SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS

MEASURES USED TO TRAP SEDIMENT, ALL SEDIMENT SPILLED,

DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY

WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT

PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY, WHEN

WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA

9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE

FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA

N.T.S.

BE USED FOR SHORT TERM APPLICATIONS.

THE FILTER FABRIC FOR SUPPORT.

STAKES AND FRAME

CONCRETE EQUIVALENT.

PRIOR TO PLACING OF STONE.

WITH 5:1 SLOPES WILL BE PERMITTED.

MUST BE REMOVED IMMEDIATELY.

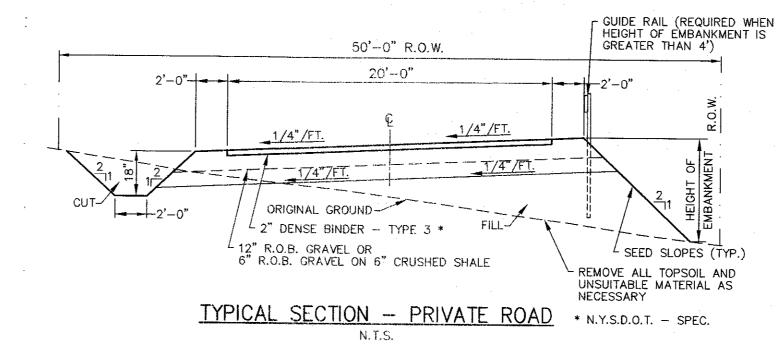
SEDIMENT TRAPPING DEVICE.

PROVIDED AFTER EACH RAIN.

NOTE: RIP—RAP TO BE PROVIDED AT THE END OF THE

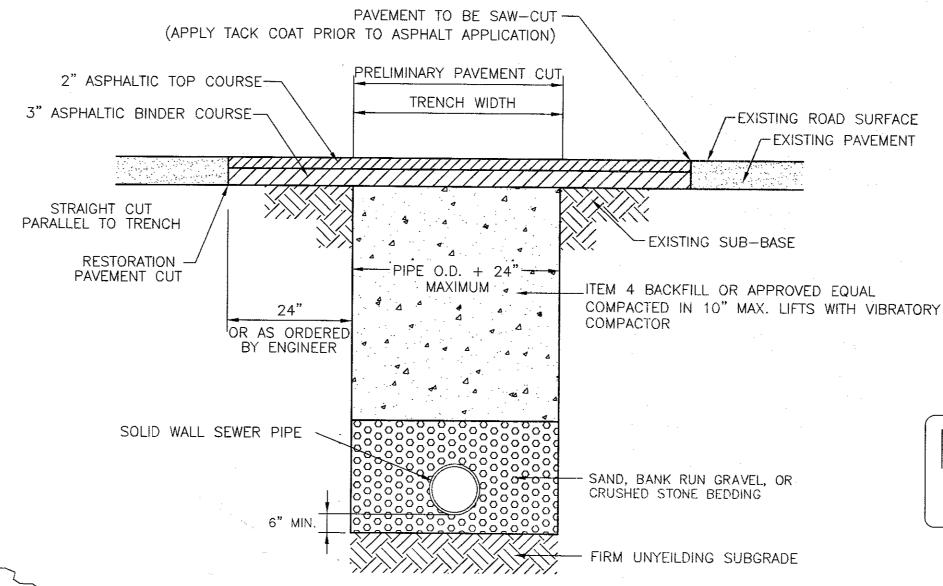
FLARED END SECTION

SCALE: NTS

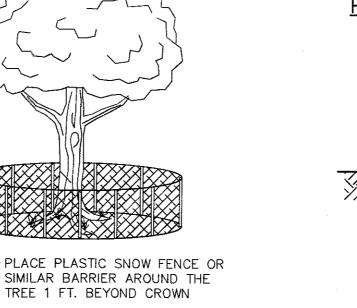


1. THE SUBGRADE SHALL BE MADE STABLE TO THE SATISFACTION OF THE TOWN ENGINEER. ALL TOPSOIL, LOAM, ROCKS AND ORGANIC MATERIAL SHALL BE REMOVED UNTIL A SATISFACTORY SUBGRADE IS ESTABLISHED. FILL SHALL BE MADE IN 12" MAX. LAYERS COMPACTED TO MINIMUM 90% STANDARD PROCTOR.

2. THE FOUNDATION COURSE SHALL BE WELL GRADED AND CONTAIN STONES NO LARGER THAN 3 INCHES IN DIMENSION. RUN-OF-BANK (R.O.B.) GRAVEL SHALL BE PLACED IN ONE LAYER AND THOROUGHLY COMPACTED PRIOR TO FINE GRADING.



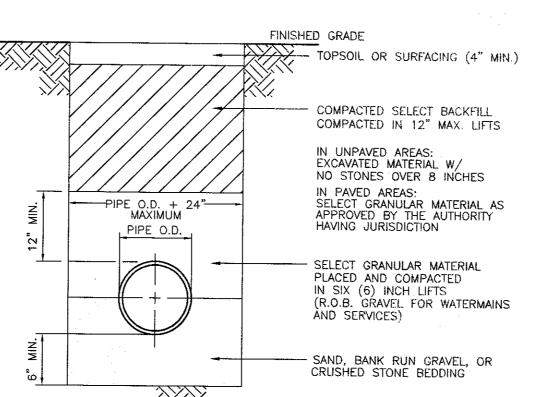
PIPE BEDDING DETAIL (WITHIN LESTER CLARK ROAD)



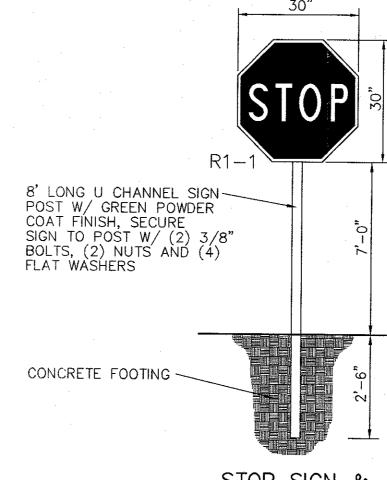
## TREE PROTECTION DETAIL

NOTES:

- 1. ANY TREE TO REMAIN THAT MAY SUSTAIN DAMAGE DURING CONSTRUCTION SHALL BE PROTECTED AS SHOWN ABOVE.
- 2. NO STOCKPILING OF MATERIALS, VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MACHINERY SHALL BE ALLOWED WITHIN THE LIMIT OF THE FENCING.



- FIRM UNYIELDING SUBGRADE PIPE BEDDING DETAIL (ELSEWHERE)



Private Road

ROAD SIGN DETAIL

N.T.S.

STOP SIGN & POST DETAIL N.T.S.

CONSIDERED INVALID.

UNAUTHORIZED

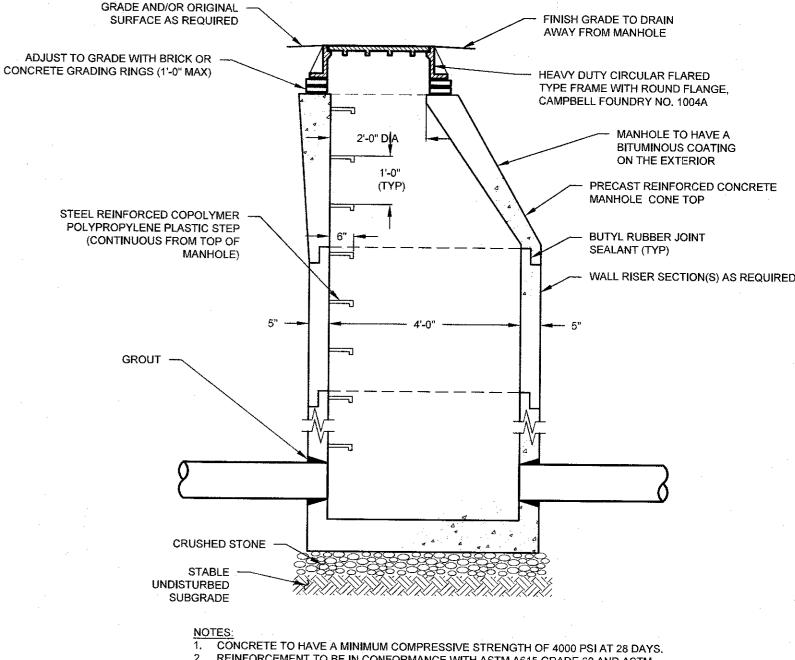
ALTERATIONS OR

ADDITIONS TO THIS

SEAL OF A LICENSED

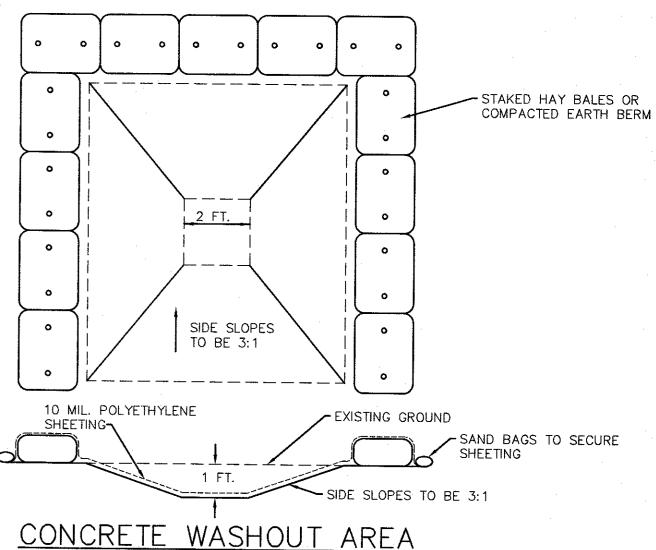
IS A VIOLATION OF

EDUCATION LAW.

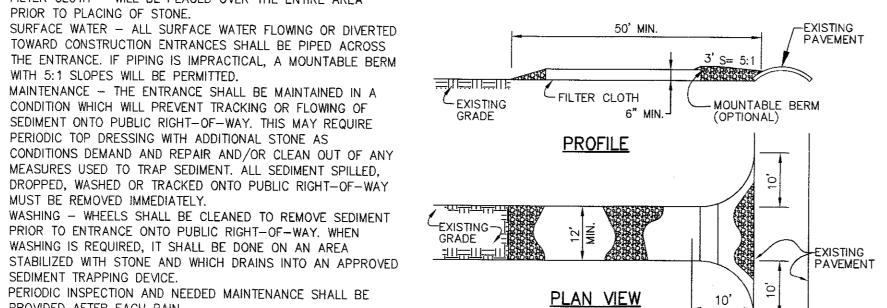


- 2. REINFORCEMENT TO BE IN CONFORMANCE WITH ASTM A615 GRADE 60 AND ASTM
- A185 GRADE 65. 3. CONTRACTOR TO ORDER MANHOLE SECTIONS FROM MANUFACTURER TO MATCH
- REQUIRED ELEVATIONS AND INVERTS PER PLAN.
- MANHOLE CONSTRUCTION TO BE CAPABLE OF WITHSTANDING H = 20 LOADINGS. PRECAST CONCRETE MANHOLE COMPONENTS BY WOODARDS CONCRETE PRODUCTS, INC. OR APPROVED EQUAL

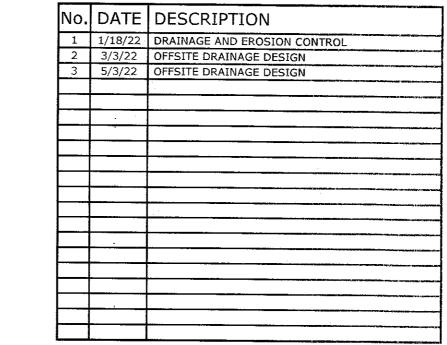
DRAINAGE MANHOLE SCALE: N.T.S.



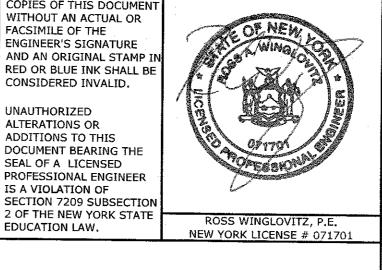
- 1. CONCRETE WASHOUT AREA(S) SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE. THE CONCRETE WASHOUT AREA SHALL BE ENTIRELY SELF-CONTAINED.
- 2. CONCRETE WASHOUT AREA(S) ARE TO BE LOCATED AT LEAST 50 FT. FROM ANY STREAM, WETLAND, STORM DRAINS OR OTHER SENSITIVE RESOURCE.
- . SURFACE DISCHARGE IS UNACCEPTABLE. THEREFORE, HAY BALES OR OTHER CONTROL MEASURES, AS APPROVED BY THE ENGINEER, SHALL BE USED AROUND THE PERIMETER OF THE CONCRETE WASHOUT AREA FOR CONTAINMENT
- 4. WASHOUT AREA(S) ARE TO BE INSPECTED AT LEAST ONCE A WEEK FOR STRUCTURAL INTEGRITY, ADEQUATE HOLDING CAPACITY AND CHECKED FOR LEAKS, TEARS, OR
- OVERFLOWS. WASHOUT AREA(S) SHALL BE CHECKED AFTER HEAVY RAINS. 5. HARDENED CONCRETE WASTE SHALL BE REMOVED AND DISPOSED OF WHEN THE WASTE HAS ACCUMULATED TO HALF OF THE CONCRETE WASHOUT'S HEIGHT. ALL CONCRETE
- WASTE SHALL BE DISPOSED OF IN A MANNER CONSISTENT WITH ALL APPLICABLE LAWS, REGULATIONS, AND GUIDELINES. COPIES OF THIS DOCUMENT INGINEERING WITHOUT AN ACTUAL OR FACSIMILE OF THE **ENGINEER'S SIGNATURE**



CONSTRUCTION ENTRANCE DETAIL



DRAWING STATUS	ISSUE DATE: 5/3/22			
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR	SHEET NUMBER			
CONCEPT APPROVAL	N/A	OF	N/A	
PLANNING BOARD APPROVAL	3	OF	4	
OCDOH REALTY SUBDIVISION APPROVAL	N/A	OF	N/A	
OCDOH WATERMAIN EXTENSION APPROVAL	N/A	OF	N/A	
□NYSDEC APPROVAL	N/A	OF	N/A	
NYSDOT APPROVAL	N/A	OF	N/A	
□ OTHER	N/A	OF	N/A	
☐FOR BID	N/A	OF	N/A	
☐ FOR CONSTRUCTION	N/A	OF	N/A	
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WARWICK OFFICE 17 RIVER STREET WARWICK, NY 10990 Ph: (845) 986-7737 Achieving Successful Results with Innovative Designs WWW.EP-PC.COM CONSTRUCTION DETAILS POPPY LANE LESTER CLARK ROAD TOWN OF NEWBURGH ORANGE COUNTY, NEW YORK 1493.01 AS NOTED TAX LOTS: 6-1-113, 114 & 11

1.\1493.01 - JW Consulting Septic\1493.01 for Pl Bd.dwg Date Printed: May 3, 2022 12:46 PM

