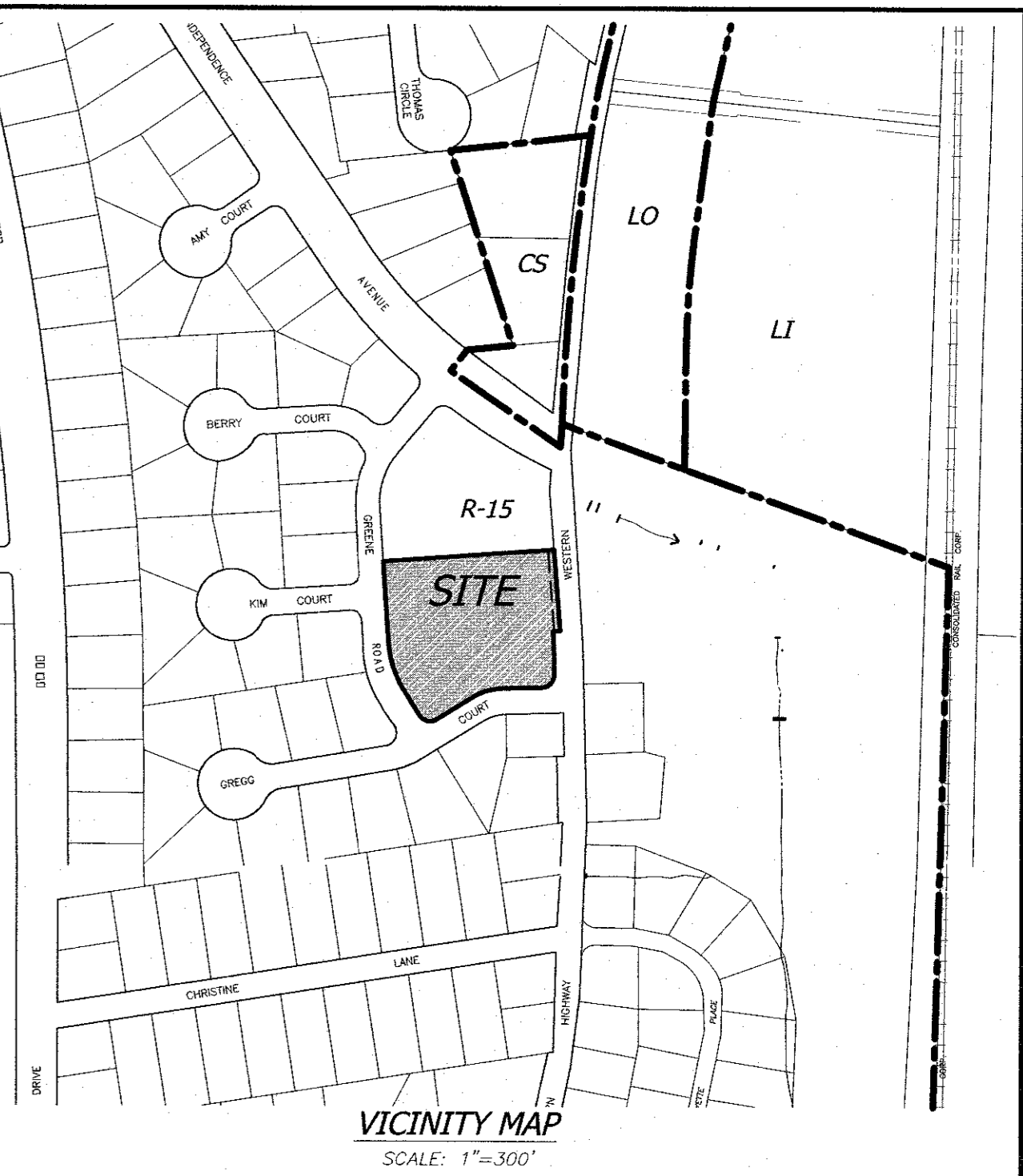


- NOTES:**
- ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE SHALL BE INSTALLED UNDERGROUND.
 - NO BUILDING PERMIT WILL BE ISSUED UNTIL SEWAGE DISPOSAL ARRANGEMENTS HAVE BEEN APPROVED BY THE ROCKLAND COUNTY HEALTH DEPARTMENT AND/OR THE TOWN OF ORANGETOWN.
 - LOT DRAINAGE ON THIS PLAN SHALL CONSTITUTE EASEMENTS RUNNING WITH THE LAND AND SHALL NOT BE DISTURBED.
 - ANY EXISTING UTILITIES (POLES, HYDRANTS, ETC.) AFFECTED BY CONSTRUCTION OF THIS SITE PLAN SHALL BE RELOCATED AT THE DEVELOPER'S EXPENSE PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY.
 - NO OPEN BURNING DURING CONSTRUCTION WITHOUT SPECIFIC PERMISSION FROM NEW YORK STATE DEPARTMENT OF HEALTH.
 - DATUM: NAVD 1988-CATCHBASIN GREENBUSH ROAD.
 - NO BUILDING PERMIT SHALL BE ISSUED UNTIL RESULTS OF TEST PITS HAVE BEEN SUBMITTED TO THE BUILDING DEPARTMENT.
 - DURING THE COURSE OF CONSTRUCTION, ALL STORM DRAIN INLETS SHALL BE PROTECTED WITH A HAY BALE FILTER (SEE DETAIL).
 - ALL AREAS DISTURBED BY ON-SITE GRADING SHOULD BE LIMED AND FERTILIZED PRIOR TO SEEDING.
 - THE NEW CORNERS OF ALL LOTS SHALL BE MARKED WITH METAL RODS 3/4" IN DIAMETER, AND AT LEAST 30" IN LENGTH (TO BE INSTALLED AFTER FINAL GRADING). SAID PINS SHOWN THUS:
 - THIS SITE PLAN IS SUBJECT TO DETAILS OF GRADING, ROADS AND UTILITIES AS SHOWN ON CONSTRUCTION DRAWINGS APPROVED BY THE PLANNING BOARD AND FILED WITH THE TOWN CLERK.
 - SIDEWALKS AND CURBS SHALL BE INSTALLED IN ACCORDANCE WITH HIGHWAY DEPARTMENT SPECIFICATIONS.
 - TEMPORARY SEDIMENT ENTRAPMENT AREAS SHALL BE PROVIDED AS SHOWN TO INTERCEPT AND CLARIFY SILT LADEN RUNOFF FROM THE SITE. THESE MAY BE EXCAVATED OR MAY BE CREATED UTILIZING EARTHEN BERMS, RIP-RAP OR CRUSHED STONE DAMS, HAY BALES, OR OTHER SUITABLE MATERIALS. DIVERSION SWALES, BERMS OR THE CHANNELIZATION SHALL BE CONSTRUCTED TO INSURE THAT ALL SILT LADEN WATERS ARE DIRECTED INTO THE ENTRAPMENT AREAS, WHICH SHALL NOT BE PERMITTED TO FILL IN, BUT SHALL BE CLEANED PERIODICALLY DURING THE COURSE OF CONSTRUCTION. THE COLLECTED SILT SHALL BE DEPOSITED IN AREAS SAFE FROM FURTHER EROSION.
 - ALL DISTURBED AREAS, EXCEPT ROADWAYS, WHICH WILL REMAIN UNFURNISHED FOR MORE THAN THIRTY (30) DAYS SHALL BE TEMPORARILY SEEDED WITH 1/2 LB. OF RYE GRASS OR MULCH WITH 100 LBS. OF STRAW OR HAY PER 1,000 SQUARE FEET. ROADWAYS SHALL BE STABILIZED AS RAPIDLY AS PRACTICABLE BY THE INSTALLATION OF THE BASE COURSE.
 - SILT THAT LEAVES THE SITE IN SPITE OF THE REQUIRED PRECAUTIONS SHALL BE COLLECTED AND REMOVED AS DIRECTED BY APPROPRIATE MUNICIPAL AUTHORITIES.
 - AT THE COMPLETION OF THE PROJECT ALL TEMPORARY SILTATION DEVICES SHALL BE REMOVED AND THE AFFECTED AREAS REGRADED, PLANTED, OR TREATED IN ACCORDANCE WITH THE APPROVED SITE PLANS.
 - PERMANENT VEGETATION COVER SPECIFICATIONS:
LAWN AREA - PER 1,000 S.F.
15 LBS. 10-6-4 50X SLOW RELEASE FERTILIZER
70 LBS. GRANULATE LIMESTONE
4 LBS. SEED MIXTURE
40% KENTUCKY BLUE
40% RED FESCUE
20% PERENNIAL RYEGRASS
 - THIS PLAN DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP AND HAS BEEN APPROVED IN THE MANNER SPECIFIED BY SECTION 239 L&M OF THE GENERAL MUNICIPAL LAW.
 - CERTIFICATE OF OCCUPANCY SHALL NOT BE REQUESTED FROM THE TOWN OF ORANGETOWN BUILDING DEPARTMENT UNTIL RESULTS OF INFILTRATION AND EXFILTRATION TESTS FOR SANITARY SEWERS ARE CERTIFIED BY NEW YORK STATE LICENSED PROFESSIONAL ENGINEER AND APPROVED BY THE DIRECTOR, DIVISION OF SEWERS.
 - AT LEAST ONE WEEK PRIOR TO THE COMMENCEMENT OF ANY WORK, INCLUDING THE INSTALLATION OF EROSION CONTROL DEVICES OR THE REMOVAL OF TREES AND VEGETATION, A PRECONSTRUCTION MEETING MUST BE HELD WITH THE DEPT. SUPERINTENDENT OF HIGHWAYS AND THE OFFICE OF BUILDING, ZONING AND PLANNING ADMINISTRATION AND ENFORCEMENT. IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO ARRANGE SUCH A MEETING.
 - TREE PROTECTION:
A TREE PROTECTION PROGRAM WILL BE IMPLEMENTED IN ORDER TO PROTECT AND PRESERVE BOTH INDIVIDUAL SPECIMEN TREES AND BUFFER AREAS WITH MANY TREES. STEPS, WHICH WILL BE TAKEN TO PRESERVE AND PROTECT EXISTING TREES, ARE AS FOLLOWS:
A) NO CONSTRUCTION EQUIPMENT SHALL BE PARKED UNDER THE TREE CANOPY.
B) THERE WILL BE NO EXCAVATION OR STOCKPILING OF EARTH UNDERNEATH THE TREES.
C) TREES TO BE PRESERVED SHALL BE MARKED CONSPICUOUSLY ON ALL SIDES.
D) TREES TO BE SAVED WILL BE FENCED AT THE OUTER DRIP LINE.
E) NO EARTH FILLS GREATER THAN 6" IN DEPTH WILL BE MADE BENEATH TREES TO BE PRESERVED.
F) IN FILL AREAS, TREES WILL BE PRESERVED IN TREE WELLS, OR THROUGH THE USE OF RETAINING WALLS.
G) IN CUT AREAS, TREES WILL BE PRESERVED WITH RETAINING WALLS.
 - ADDITIONAL CERTIFICATION, BY AN APPROPRIATE LICENSED OR CERTIFIED DESIGN PROFESSIONAL SHALL BE REQUIRED FOR ALL MATTERS BEFORE THE PLANNING BOARD INDICATING THAT THE DRAWINGS AND PROJECT ARE IN COMPLIANCE WITH THE STORMWATER MANAGEMENT PHASE TWO REGULATIONS.
 - A DRAINAGE PERMIT IS REQUIRED FROM THE ROCKLAND COUNTY DRAINAGE AGENCY PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY, A FLOOD ELEVATION CERTIFICATE IS TO BE SUBMITTED TO THE TOWN OF ORANGETOWN BUILDING DEPT.



OWNER & APPLICANT:
TAPPAN FIRE DISTRICT
PO BOX 525
TAPPAN, NY 10983

TAX MAP REFERENCE:
TOWN OF ORANGETOWN
SECTION 74.18, BLOCK 2, LOTS 35

SITE ADDRESS:
TAPPAN FIRE DISTRICT
300 WESTERN HIGHWAY
TAPPAN, NY 10983

AREAS:
90,393 SQ.FT. OR 2.07 ACS

- DISTRICTS:**
- SCHOOL DISTRICT - SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT NO. 1
 - FIRE DISTRICT - TAPPAN
 - WATER DISTRICT - TAPPAN
 - SEWER DISTRICT - ORANGETOWN SEWER DISTRICT
 - LIGHTING DISTRICT - TOWN OF ORANGETOWN

DRAWING LIST

DRAWING No.	TITLE	ORIGIN DATE	LAST REVISION
DRAWING 1	SITE DEVELOPMENT PLAN	10-28-2021	07-15-2022
DRAWING 2	EXISTING CONDITION	10-28-2021	07-15-2022
DRAWING 3	GRADING PLAN	10-28-2021	07-15-2022
DRAWING 4	DETAILS	10-28-2021	07-15-2022
DRAWING 5	EROSION & SEDIMENT CONTROL PLAN	10-28-2021	07-15-2022
DRAWING 6	LANDSCAPING PLAN	10-28-2021	07-15-2022
DRAWING 7	LIGHTING PLAN	10-28-2021	07-15-2022

BULK REQUIREMENTS:

ZONE R-15, GROUP P	REQUIRED / PERMITTED	EXISTING	PROPOSED
MAXIMUM FLOOR AREA RATIO	NONE	0.08	0.10
MINIMUM LOT AREA (SQ.FT.)	NONE	90,393 SQ.FT. (NET)	90,393 SQ.FT. (NET)
MINIMUM LOT WIDTH	NONE	N/A	N/A COR LOT
MINIMUM STREET FRONTAGE	50 FT.	158.7 FT.	266.7 FT.
FRONT YARD	100 FT.	65.7 FT.	88 FT. *
SIDE YARD	100 FT.	55.3 FT.	72 FT. *
TOTAL SIDE YARD	200 FT.	N/A COR LOT	N/A COR LOT
REAR YARD	100 FT.	N/A	N/A
MAXIMUM BUILDING HEIGHT	NONE	25 FT.	32 FT.

*-DENOTES VARIANCE REQUIRED

PARKING REQUIREMENTS: LOT AREA CALCULATIONS

NOT LISTED IN CODE 13 SPACES PROVIDED
GROSS LOT AREA = 90,393 SQ. FT.
NET LOT AREA FOR ZONING PURPOSES = 89,252 SQ. FT. OR 2.049 ACRES

LEGEND

- 30' --- EXISTING 2' CONTOUR
- 30' --- EXISTING 10' CONTOUR
- - - - - EXISTING WATERLINE
- EXISTING FIRE HYDRANT
- EXISTING GAS LINE
- EXISTING CATCH BASIN
- EXISTING STORM DRAIN LINE
- EXISTING SEWER MANHOLE
- EXISTING SEWER LINE
- EXISTING SPOT ELEVATION
- EXISTING STONEWALL
- EXISTING SIGN
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- LIMIT OF 100 YEAR FLOODPLAIN
- LIMIT OF 500 YEAR FLOODPLAIN
- GAS --- PROPOSED GAS LINE

THE EDUCATION LAW OF THE STATE OF NEW YORK PREVENTS ANY PERSON FROM ACCEPTING OR RECEIVING COMPENSATION FOR THE PREPARATION OF ANY ENGINEERING DRAWING OR SPECIFICATION UNLESS HE IS A LICENSED PROFESSIONAL ENGINEER OR ARCHITECT. ANY VIOLATION OF THIS SECTION IS A VIOLATION OF SECTION 1305 OF THE EDUCATION LAW OF THE STATE OF NEW YORK AND IS A VIOLATION OF SECTION 1305 OF THE EDUCATION LAW OF THE STATE OF NEW YORK. ANY VIOLATION OF THIS SECTION IS A VIOLATION OF SECTION 1305 OF THE EDUCATION LAW OF THE STATE OF NEW YORK.

STATE OF NEW YORK
SEAL OF RYAN A. NASHER, P.E.
RYAN A. NASHER, P.E.
N.Y.S. P.E. LIC. NO. 89066

SEAL OF JOHN R. ATZL
JOHN R. ATZL
N.Y.S. P.E. LIC. NO. 50228

REVISION	DATE	PER COMMENTS BY ARCHITECT	DESCRIPTION
1	07-15-22		

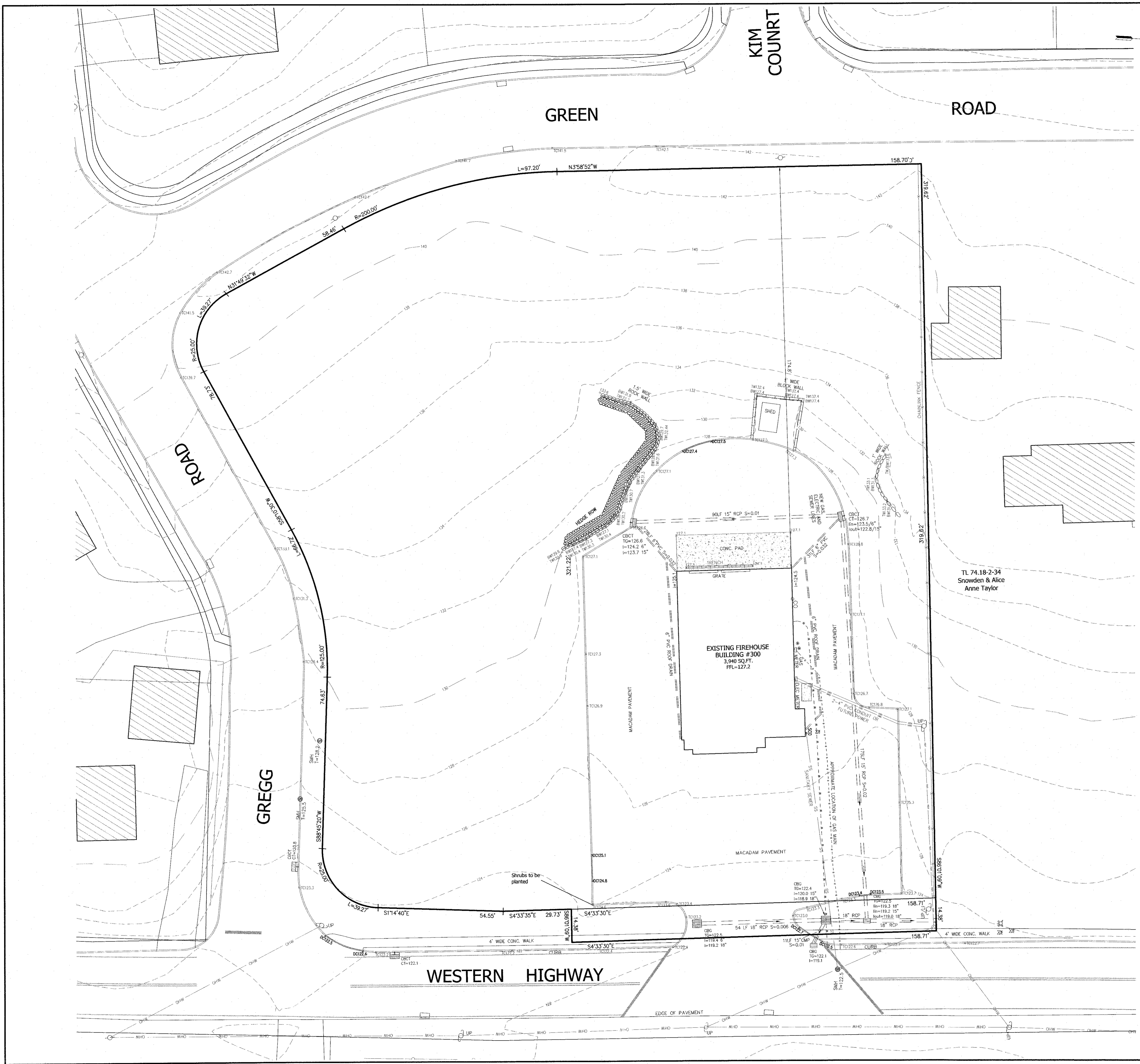
ATZL, NASHER & ZIGLER P.C.
ENGINEERS-SURVEYORS-PLANNERS
232 North Main Street
New City, New York 10956
Tel: (845) 634-4694
Fax: (845) 634-5543
E-mail: info@anzny.com
Web: www.ANZNY.com

PROJECT:
TAPPAN FIRE DISTRICT

TOWN OF ORANGETOWN
ROCKLAND COUNTY, NEW YORK

SITE DEVELOPMENT PLAN

DRAWN BY: LF	CHECKED BY: JRA
DATE: JUNE 24, 2022	SCALE: 1 IN. = 20 FT.
PROJECT NO: 4924	DRAWING NO: 1




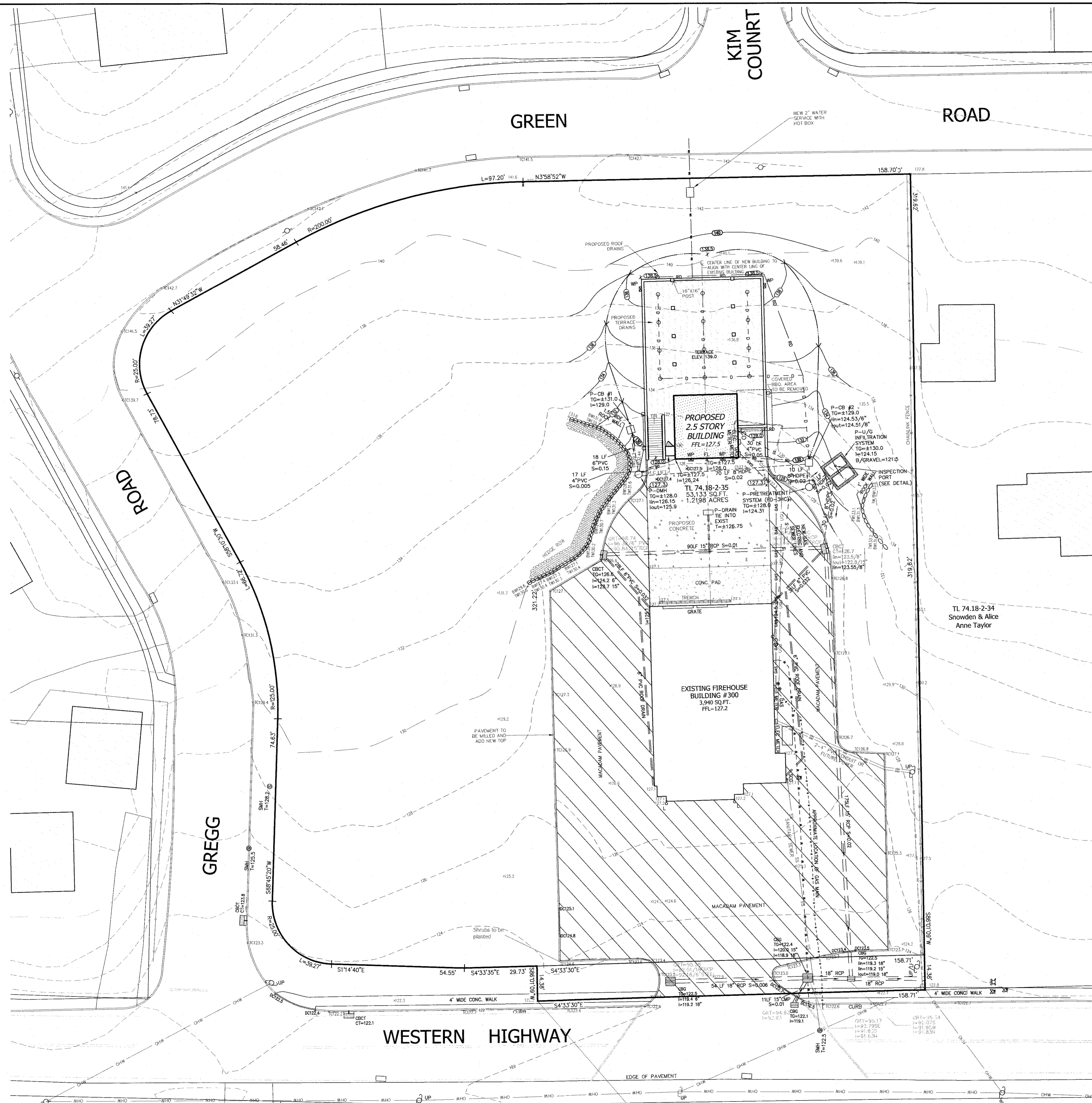
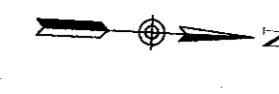
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STATE OF NEW YORK
 RYAN A. NASHER, P.E.
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 JOHN R. ATZL, P.E.
 N.Y.S. P.E. LIC. NO. 50228

1	07-15-22	PER COMMENTS BY ARCHITECT
REVISION	DATE	DESCRIPTION
 ATZL, NASHER & ZIGLER P.C. ENGINEERS-SURVEYORS-PLANNERS 232 North Main Street New City, New York 10956 Tel: (845) 634-4694 Fax: (845) 634-5543 E-mail: info@anzny.com Web: www.ANZNY.com		
PROJECT:		
TAPPAN FIRE DISTRICT		
TOWN OF ORANGETOWN ROCKLAND COUNTY, NEW YORK		
TITLE:		
EXISTING CONDITION		
DRAWN BY:	LF	CHECKED BY: JRA
DATE:	OCTOBER 28, 2021	SCALE: 1 IN. = 20 FT.
PROJECT NO:	4924	DRAWING NO: 2



LEGEND

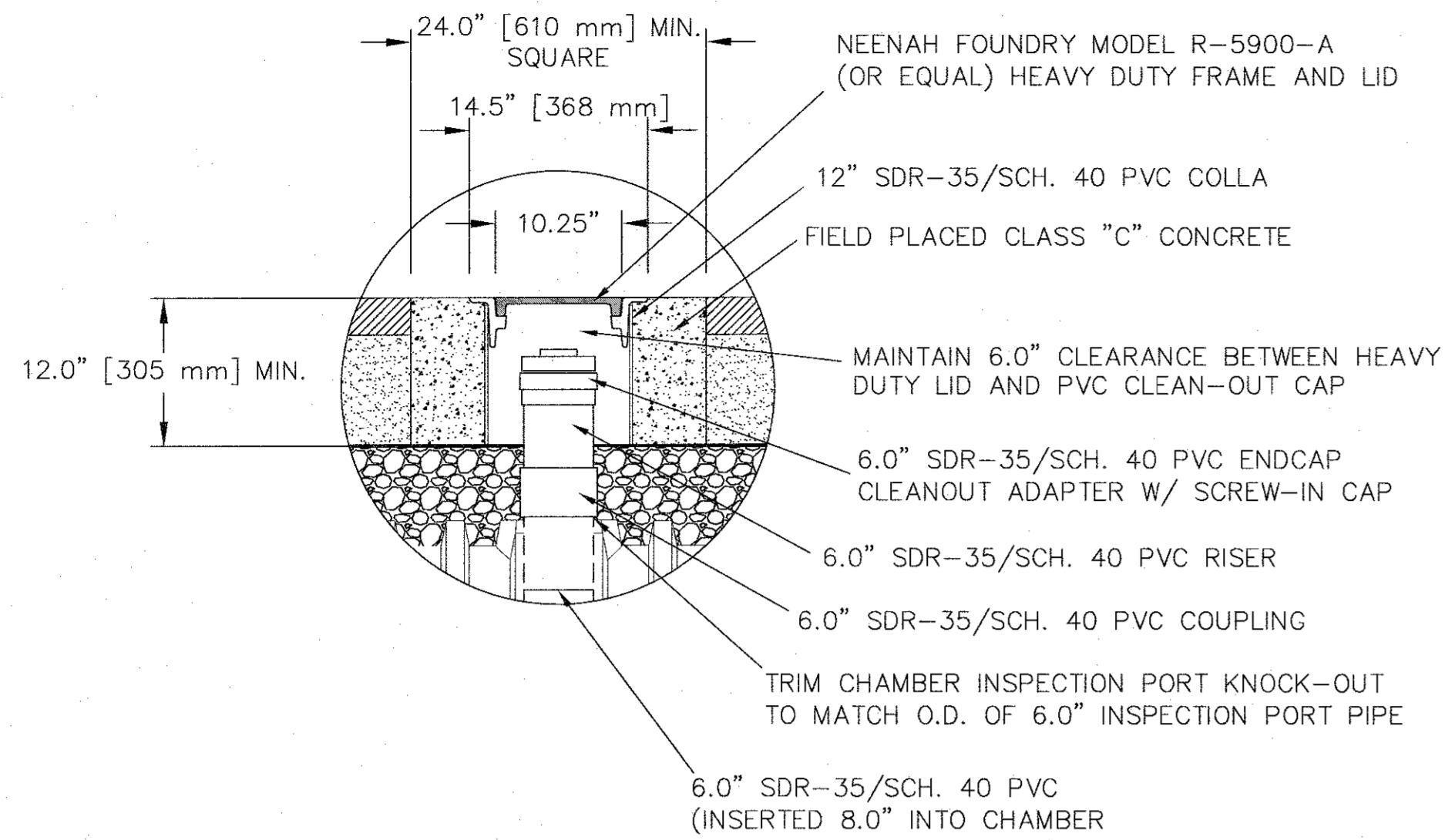
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- 300 --- EXISTING 10' CONTOUR
- W --- EXISTING WATERLINE
- G --- EXISTING GAS LINE
- CB --- EXISTING CATCH BASIN
- SD --- EXISTING STORM DRAIN LINE
- SMH --- EXISTING SEWER MANHOLE
- S --- S --- EXISTING SEWER LINE
- + 30.0 --- EXISTING SPOT ELEVATION
- ○ --- EXISTING STONEWALL
- ○ --- EXISTING SIGN
- ○ --- EXISTING LIGHT POLE
- ○ --- EXISTING UTILITY POLE
- --- LIMIT OF 100 YEAR FLOODPLAIN
- --- LIMIT OF 500 YEAR FLOODPLAIN
- GAS --- PROPOSED GAS LINE

THE EDUCATION LAW OF THE STATE OF NEW YORK PRESCRIBES THAT ANY PERSON ATTEMPTING TO PREPARE OR SIGN ANY DRAWING OR SPECIFICATION FOR A PROJECT OF A PROFESSIONAL ENGINEER, ARCHITECT, SURVEYOR, OR PLANNER WITHOUT BEING A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, SURVEYOR, OR PLANNER IN THE STATE OF NEW YORK IS VIOLATING SECTION 1305 OF THE EDUCATION LAW OF THE STATE OF NEW YORK AND IS SUBJECT TO A FINE OF UP TO \$5,000 AND/OR IMPRISONMENT FOR UP TO 1 YEAR OR BOTH. THE SIGNATURES AND SEALS OF ANY PROFESSIONAL ENGINEER, ARCHITECT, SURVEYOR, OR PLANNER ON THIS DRAWING ARE VALID ONLY IF THE SIGNATURES AND SEALS ARE PREPARED AND USED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1305 OF THE EDUCATION LAW OF THE STATE OF NEW YORK AND THE REGULATIONS OF THE BOARD OF PROFESSIONAL ENGINEERS AND SURVEYORS, THE BOARD OF ARCHITECTS, THE BOARD OF PROFESSIONAL PLANNERS, AND/OR THE BOARD OF PROFESSIONAL LAND SURVEYORS. ANY VIOLATION OF SECTION 1305 OF THE EDUCATION LAW OF THE STATE OF NEW YORK IS A VIOLATION OF SECTION 1305 OF THE EDUCATION LAW OF THE STATE OF NEW YORK AND IS SUBJECT TO A FINE OF UP TO \$5,000 AND/OR IMPRISONMENT FOR UP TO 1 YEAR OR BOTH.

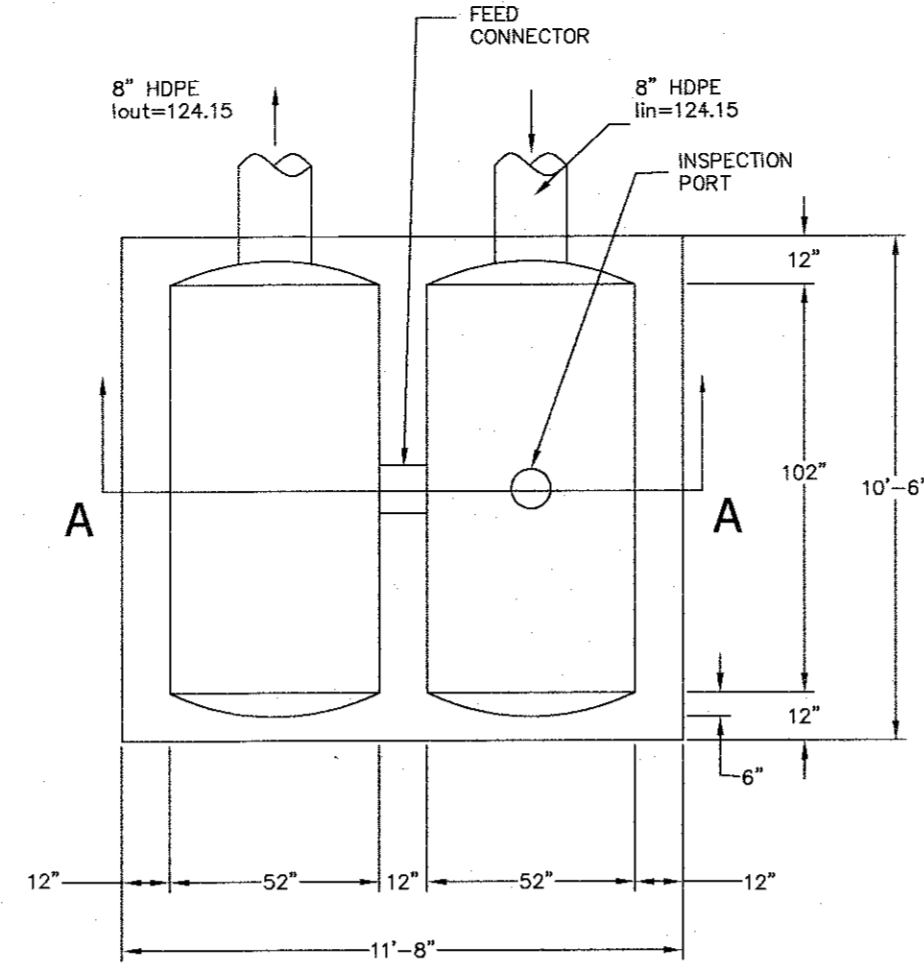
RYAN A. NASHER, P.E.
 N.Y.S. P.E. LIC. NO. 89066

JOHN R. ATZL
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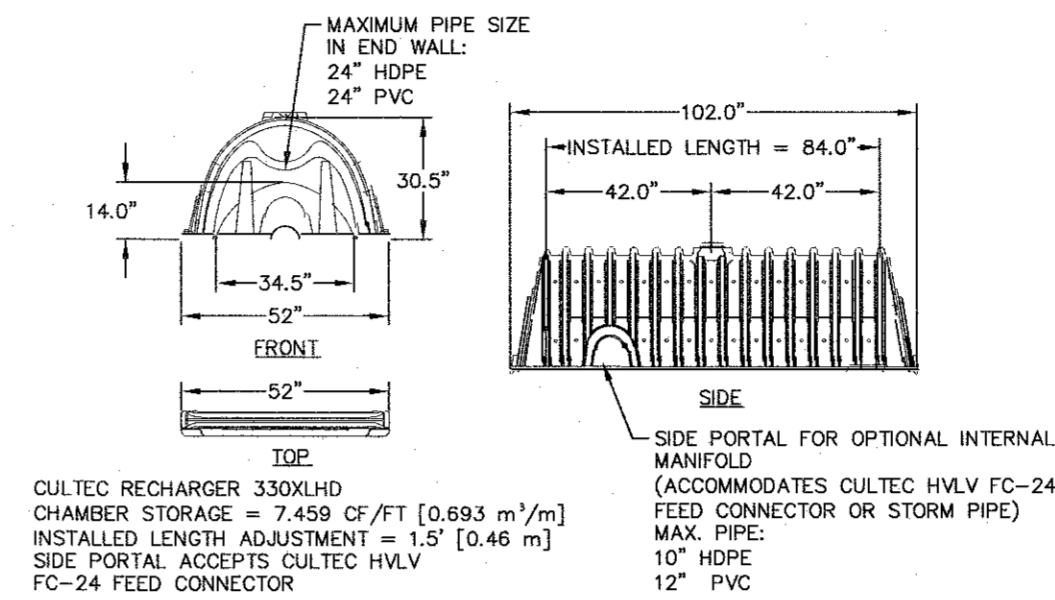
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ATZL, NASHER & ZIGLER P.C. ENGINEERS-SURVEYORS-PLANNERS 232 North Main Street New City, New York 10956 Tel: (845) 634-4694 Fax: (845) 634-5543 E-mail: info@anzny.com Web: www.ANZNY.com		
PROJECT:		
TAPPAN FIRE DISTRICT		
TOWN OF ORANGETOWN ROCKLAND COUNTY, NEW YORK		
TITLE:		
GRADING PLAN		
DRAWN BY:	LF	CHECKED BY: JRA
DATE:	OCTOBER 28, 2021	SCALE: 1 IN. = 20 FT.
PROJECT NO:	4924	DRAWING NO:
		3



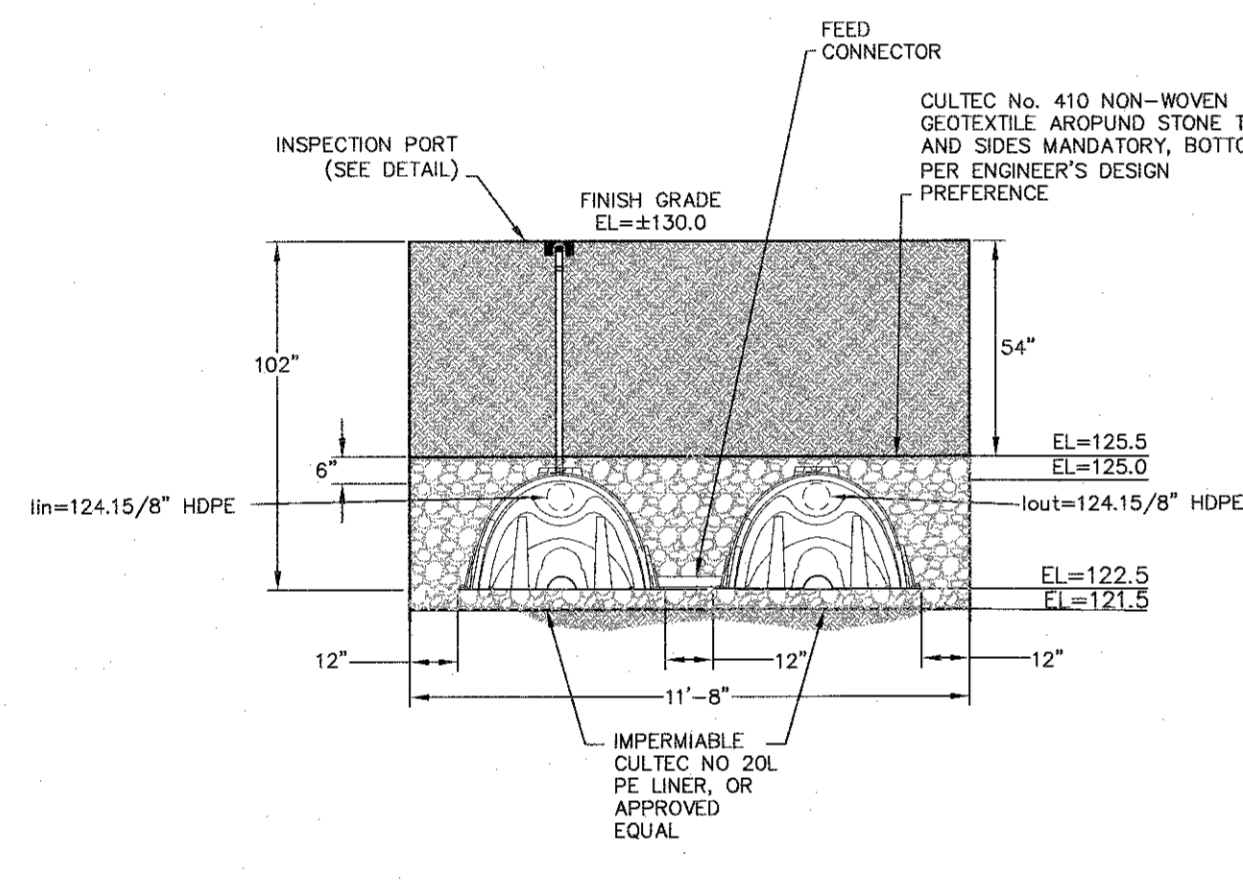
INSPECTION PORT DETAIL
SCALE: 1" = 1"



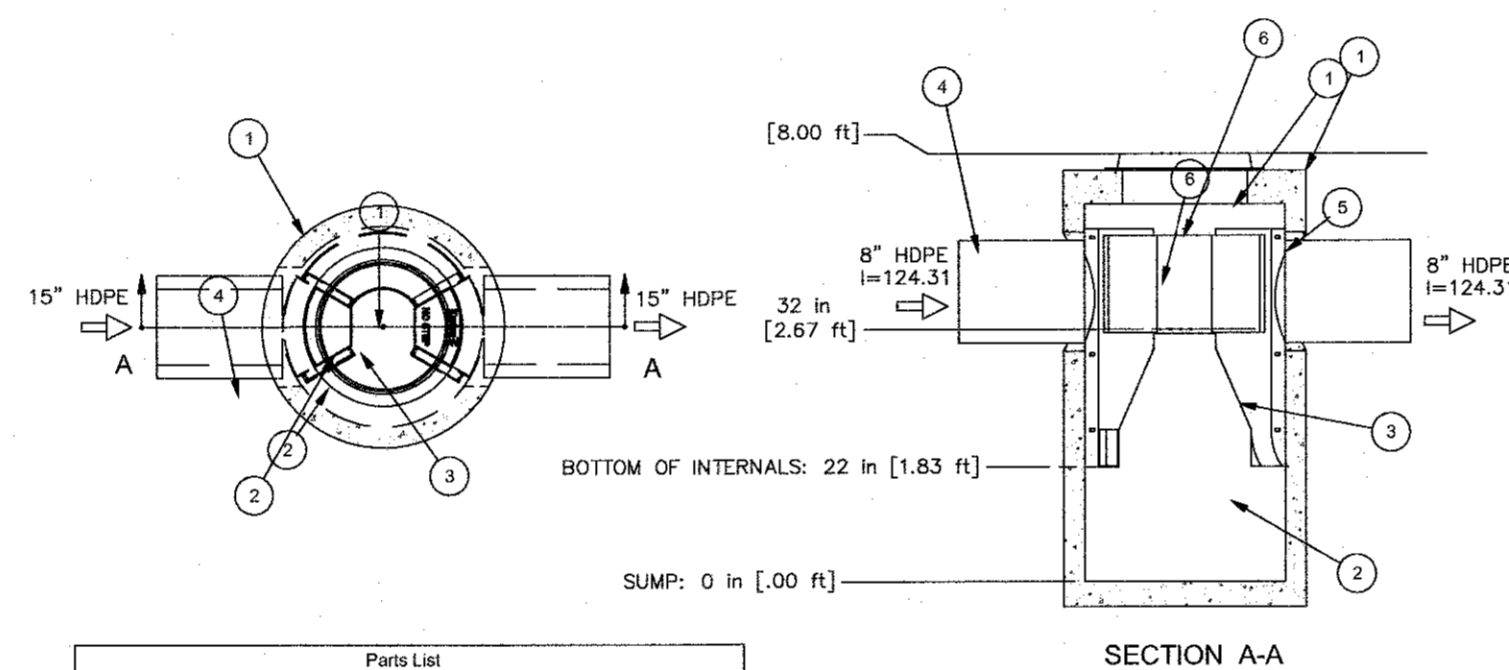
P-UNDERGROUND STORAGE SYSTEM
PLAN (CULTEC OR EQUAL) DETAIL
SCALE: 1" = 4"



CULTEC RECHARGER 330XLHD OR EQUAL HEAVY DUTY
SCALE: 1" = 4"



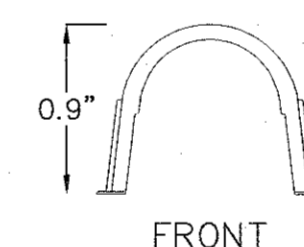
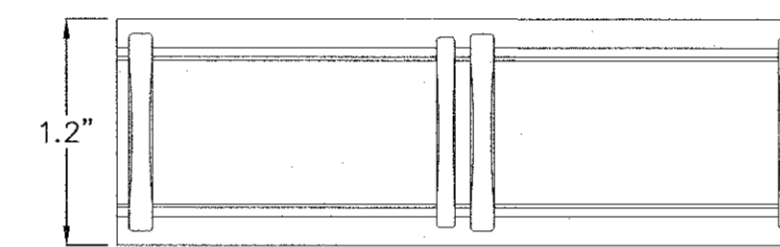
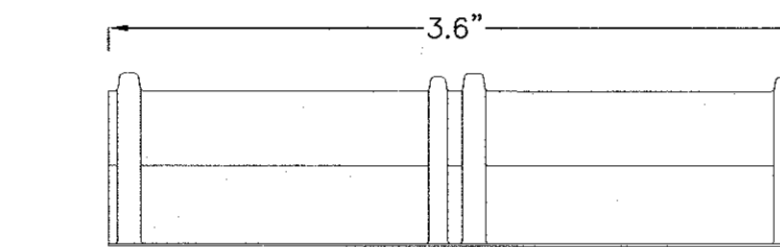
SECTION A-A: CULTEC RECHARGER 330XLHD OR APPROVED EQUAL
SCALE: 1" = 4"



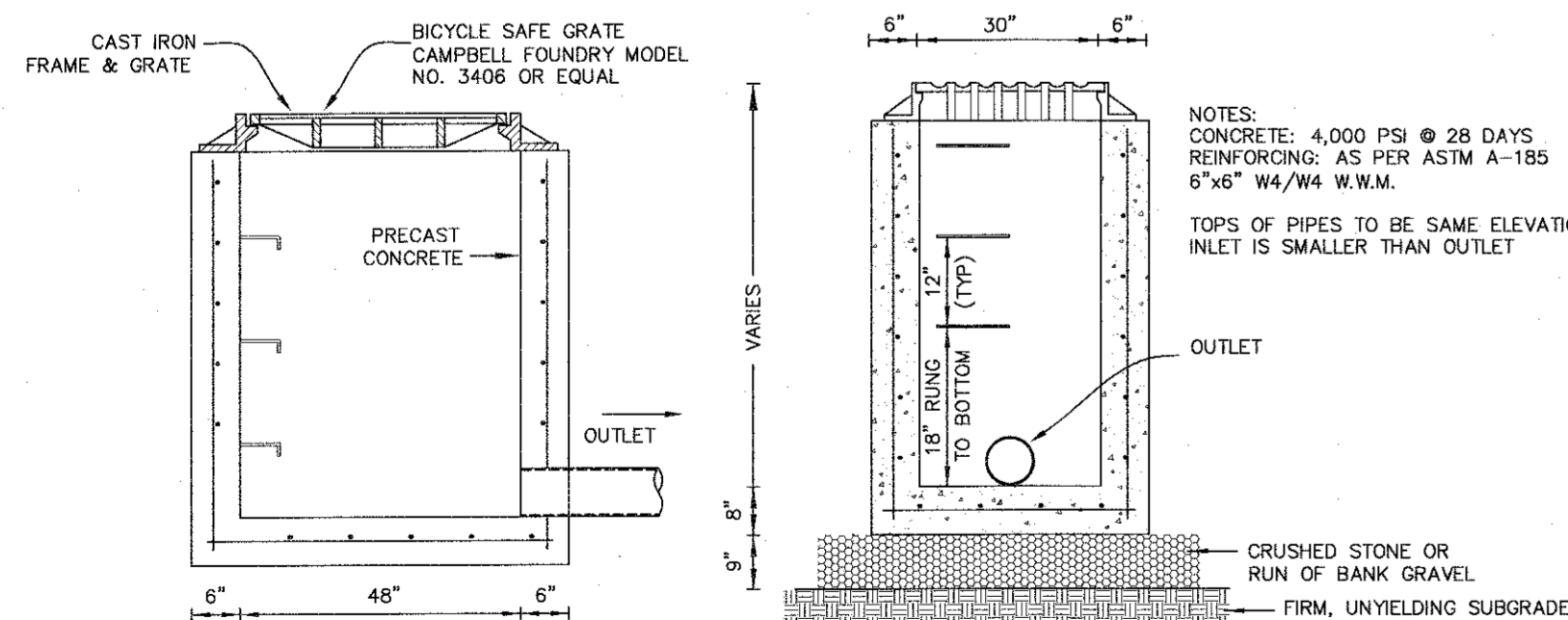
ITEM	QTY.	DESCRIPTION	SIZE (IN)
1	1	I.D. CONCRETE MANHOLE	36
2	1	INLET CHUTE (W/ FLOATABLES TRAP)	
3	1	OUTLET CHUTE	
4	1	INLET PIPE (BY OTHERS)	12
5	1	OUTLET PIPE (BY OTHERS)	12
6	1	HIGH FLOW BYPASS	
7	1	FRAME AND COVER (OR GRATE)	24

- CAPACITIES:**
1. PEAK HYDRAULIC FLOW: 15.0 cfs (424 l/s)
 2. TYPICAL TREATMENT FLOW: 0.84 cfs (23.78 l/s)
 3. SEDIMENT STORAGE CAPACITY: 0.4 cu. yd. (0.3 cu. m.)
 4. OIL STORAGE CAPACITY: 125 gal. (473 liters)
 5. MAXIMUM INLET/OUTLET PIPE DIAMETERS: 18 in. (450 mm)

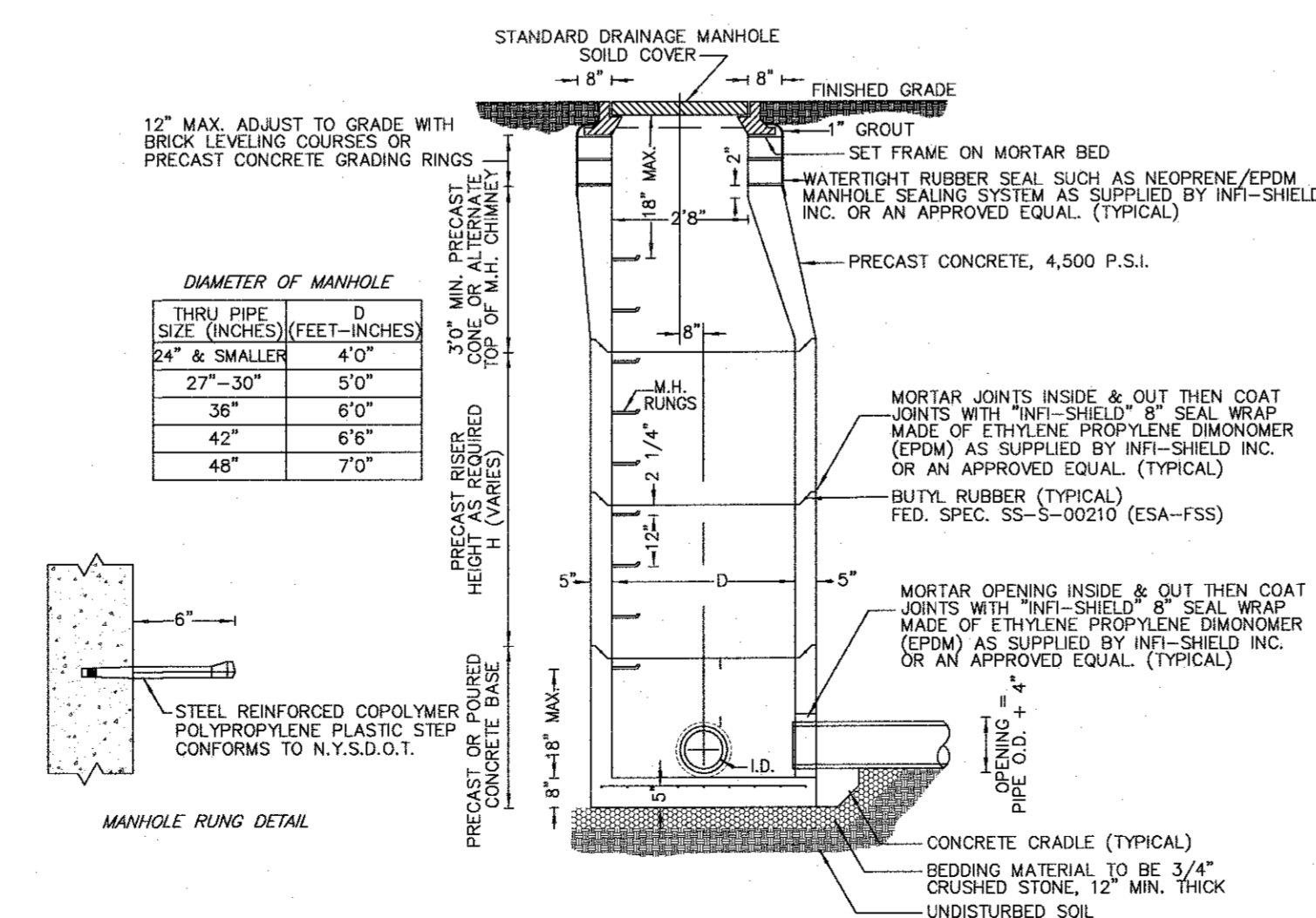
PRETREATMENT (FIRST DEFENSE FD-3HC OR EQUAL)
SCALE: N.T.S.



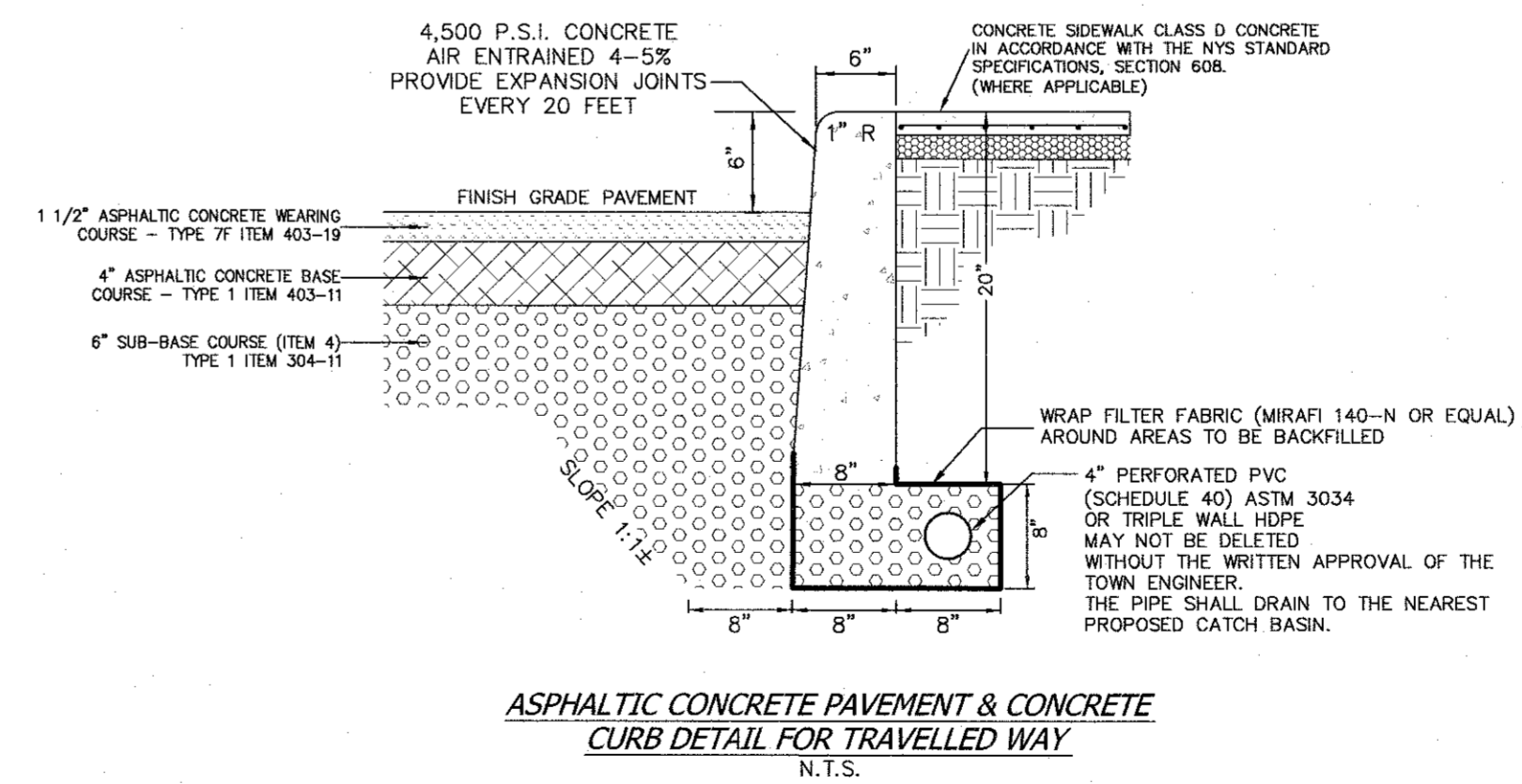
CULTEC HVLV FC-48 FEED CONNECTOR
N.T.S.



TYP. PRECAST FLAT GRATE CATCH BASIN DETAIL
N.T.S.



PRECAST STANDARD DRAINAGE MANHOLE SECTION
N.T.S.



ASPHALTIC CONCRETE PAVEMENT & CONCRETE CURB DETAIL FOR TRAVELLED WAY
N.T.S.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE TOWN ENGINEER AND THE STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION AND THE STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE TOWN ENGINEER AND THE STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION AND THE STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE TOWN ENGINEER AND THE STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION AND THE STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION.

RYAN A. NASHER, P.E.
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ENGINEERS-SURVEYORS-PLANNERS
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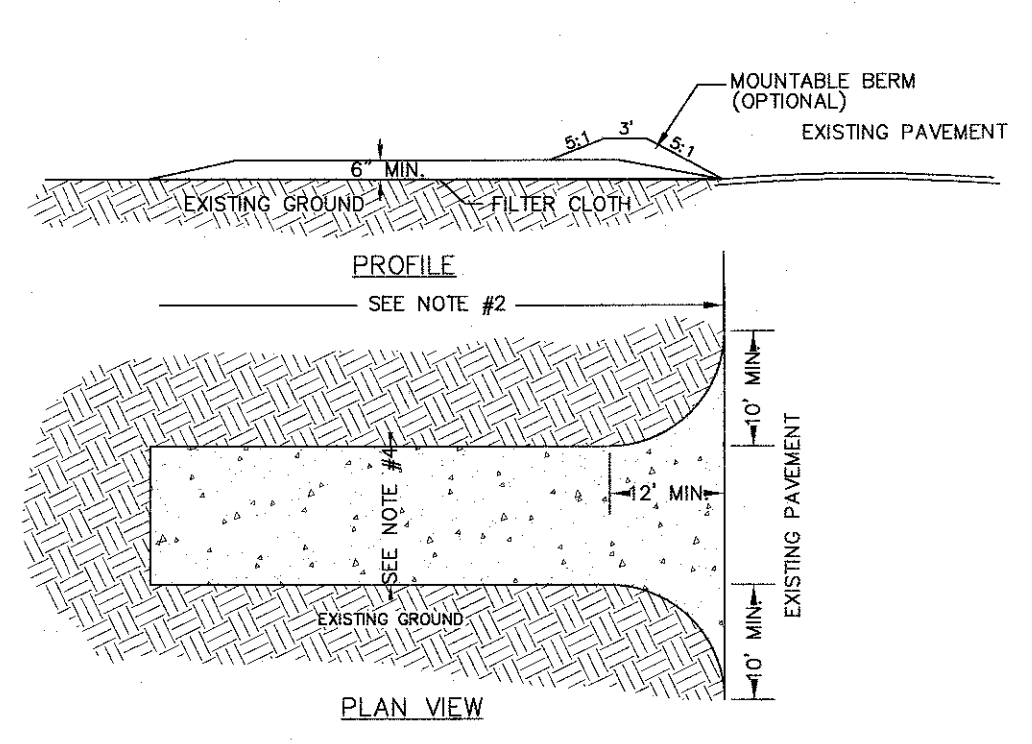
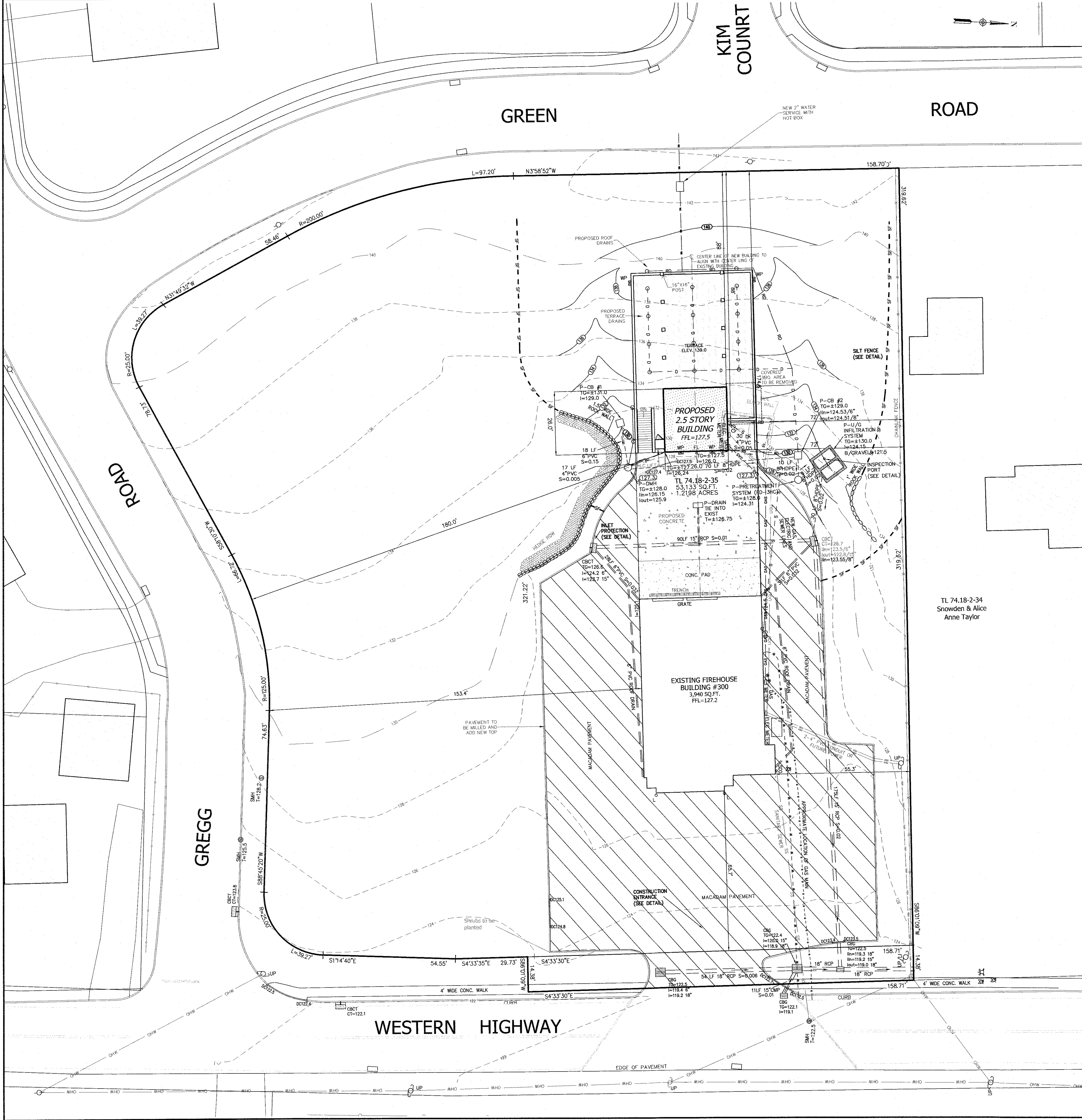
TAPPAN FIRE DISTRICT

TOWN OF ORANGETOWN
ROCKLAND COUNTY, NEW YORK

DETAILS

DRAWN BY: LF
DATE: OCTOBER 28, 2021
PROJECT NO: 4924

CHECKED BY: JRA
SCALE: 1 IN. = 20 FT.
DRAWING NO: 4



SPECIFICATIONS FOR CONSTRUCTION ENTRANCE

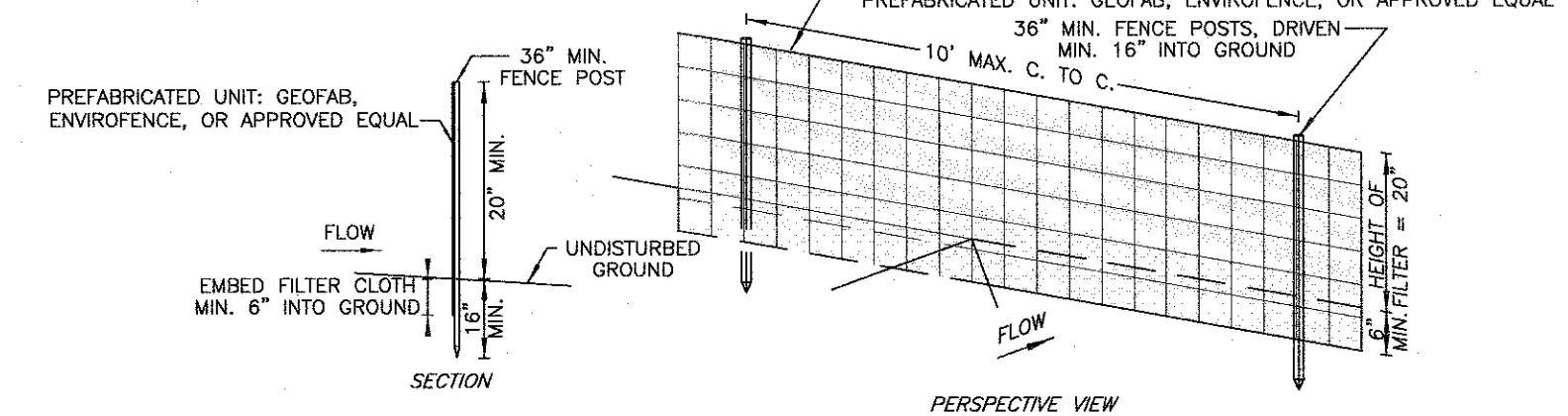
- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT
- LENGTH - NOT LESS THAN 50 FT. (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FT. MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN 6 IN.
- WIDTH - 12 FT. MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCUR. 24 FT. IF SINGLE ENTRANCE TO SITE.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO THE PLACEMENT OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 6" SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. ALL SEDIMENT SHALL BE PROPELLED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS TO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

CONSTRUCTION ENTRANCE DETAIL

N.T.S.

PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

- WHEN 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 DETAIL

N.T.S.

GENERAL SOIL RESTORATION NOTES AND REQUIREMENTS:

- Soil restoration is not required to the area where no soil disturbance is proposed.
- Soil restoration is not required to the area where minimal soil disturbance is proposed such as clearing and grubbing.
- Aerate and apply 6 inch of top soil to areas where topsoil is stripped off and no change in grade. Aeration includes the use of machines such as tractor-drawn implements with coulters making a narrow slit in the soil, a roller with many spikes making indentations in the soil, or prongs which function like a mini-subsoiler.
- Soil Restoration (de-compaction and compost enhancement) is required to areas where cut and fill are proposed.
- Soil Restoration (de-compaction and compost enhancement) is required to areas where heavy traffic areas on site, especially in a zone 5-25 feet around buildings but not within a 5 feet perimeter around foundation wall.
- Soil Restoration (de-compaction and compost enhancement) is required on redevelopment projects in areas where existing impervious area will be converted to pervious area. During periods of relatively low to moderate soil moisture, the disturbed subsoils are returned to rough grade and the following Soil Restoration steps applied:
 - Apply 3 inches of compost over subsoil
 - Till compost into subsoil to a depth of at least 12 inches using a cat-mounted ripper, tractor-mounted disc, or tiller, mixing, and circulating air and compost into subsoils
 - Rock-pick until uplifted stone/rock materials of four inches and larger size are cleaned off the site
 - Apply topsoil to a depth of 6 inches
 - Vegetate as required by approved plan.

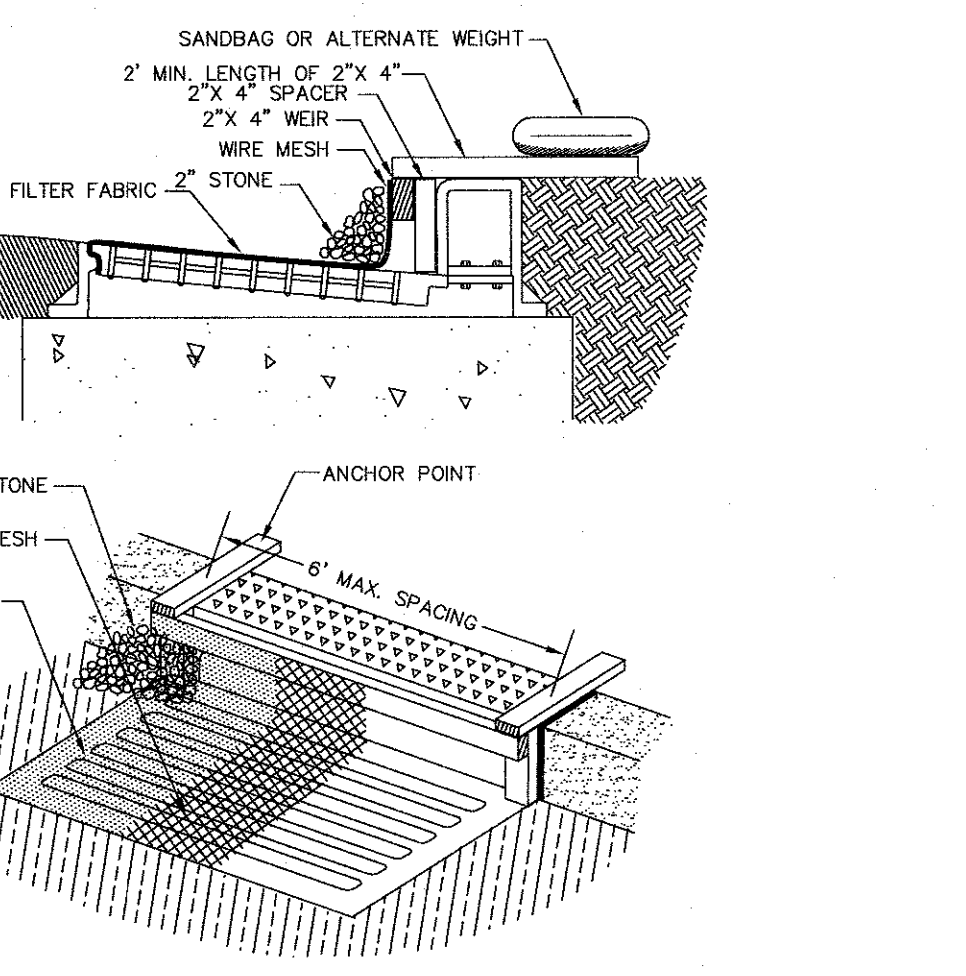
LEGEND

- 302 --- EXISTING 2' CONTOUR
- 300 --- EXISTING 10' CONTOUR
- W --- EXISTING WATERLINE
- H --- EXISTING FIRE HYDRANT
- G --- EXISTING GAS LINE
- CB --- EXISTING CATCH BASIN
- S --- EXISTING STORM DRAIN LINE
- SMH --- EXISTING SEWER MANHOLE
- S --- EXISTING SEWER LINE
- +60.0 --- EXISTING SPOT ELEVATION
- --- EXISTING STONEWALL
- --- EXISTING SIGN
- LP --- EXISTING LIGHT POLE
- U --- EXISTING UTILITY POLE
- --- LIMIT OF 100 YEAR FLOODPLAIN
- --- LIMIT OF 500 YEAR FLOODPLAIN
- GAS --- PROPOSED GAS LINE

THE ENGINEER HAS REVIEWED AND APPROVED THIS PLAN AND DRAWING AS A PROFESSIONAL ENGINEER UNDER THE ENGINEERING PROFESSIONAL SERVICE LAW OF THE STATE OF NEW YORK. THE ENGINEER'S REVIEW IS LIMITED TO THE TECHNICAL ASPECTS OF THE PLAN AND DRAWING AND DOES NOT CONSTITUTE AN ENDORSEMENT OF THE PROJECT OR THE QUALITY OF THE WORK SHOWN THEREON. THE ENGINEER'S REVIEW IS LIMITED TO THE TECHNICAL ASPECTS OF THE PLAN AND DRAWING AND DOES NOT CONSTITUTE AN ENDORSEMENT OF THE PROJECT OR THE QUALITY OF THE WORK SHOWN THEREON.

RYAN A. NASHER, P.E.
N.Y.S. P.E. LIC. NO. 89066

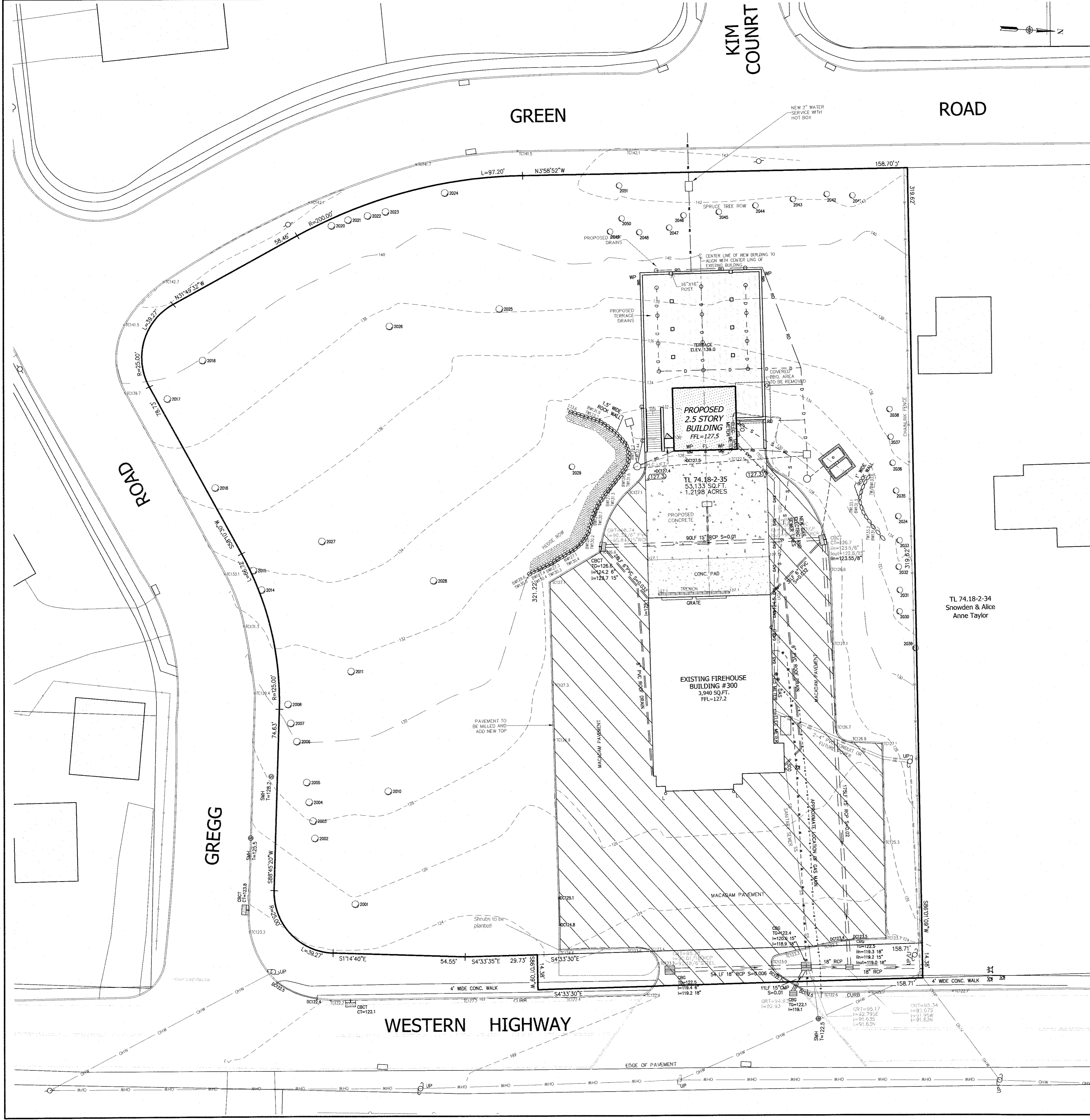
JOHN R. ATZL
N.Y.S. P.E. LIC. NO. 50228



CURB INLET PROTECTION DETAIL

N.T.S.

1	07-15-22	PER COMMENTS BY ARCHITECT
REVISION	DATE	DESCRIPTION
ATZL, NASHER & ZIGLER P.C. ENGINEERS - SURVEYORS - PLANNERS 232 North Main Street New City, New York 10956 Tel: (845) 634-4694 Fax: (845) 634-5543 E-mail: info@anzny.com Web: www.ANZNY.com		
PROJECT:		
TAPPAN FIRE DISTRICT		
TOWN OF ORANGETOWN ROCKLAND COUNTY, NEW YORK		
TITLE:		
EROSION & SEDIMENT CONTROL PLAN		
DRAWN BY: MM	CHECKED BY: JRA	
DATE: OCTOBER 28, 2021	SCALE: 1 IN. = 20 FT.	
PROJECT NO: 4924	DRAWING NO: 5	



LEGEND

- EXISTING 2' CONTOUR
- EXISTING 10' CONTOUR
- EXISTING WATERLINE
- EXISTING FIRE HYDRANT
- EXISTING GAS LINE
- EXISTING CATCH BASIN
- EXISTING STORM DRAIN LINE
- EXISTING SEWER MANHOLE
- EXISTING SEWER LINE
- EXISTING SPOT ELEVATION
- EXISTING STONE WALL
- EXISTING SIGN
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- LIMIT OF 100 YEAR FLOODPLAIN
- LIMIT OF 500 YEAR FLOODPLAIN
- GAS --- GAS --- PROPOSED GAS LINE

PLANTING NOTES

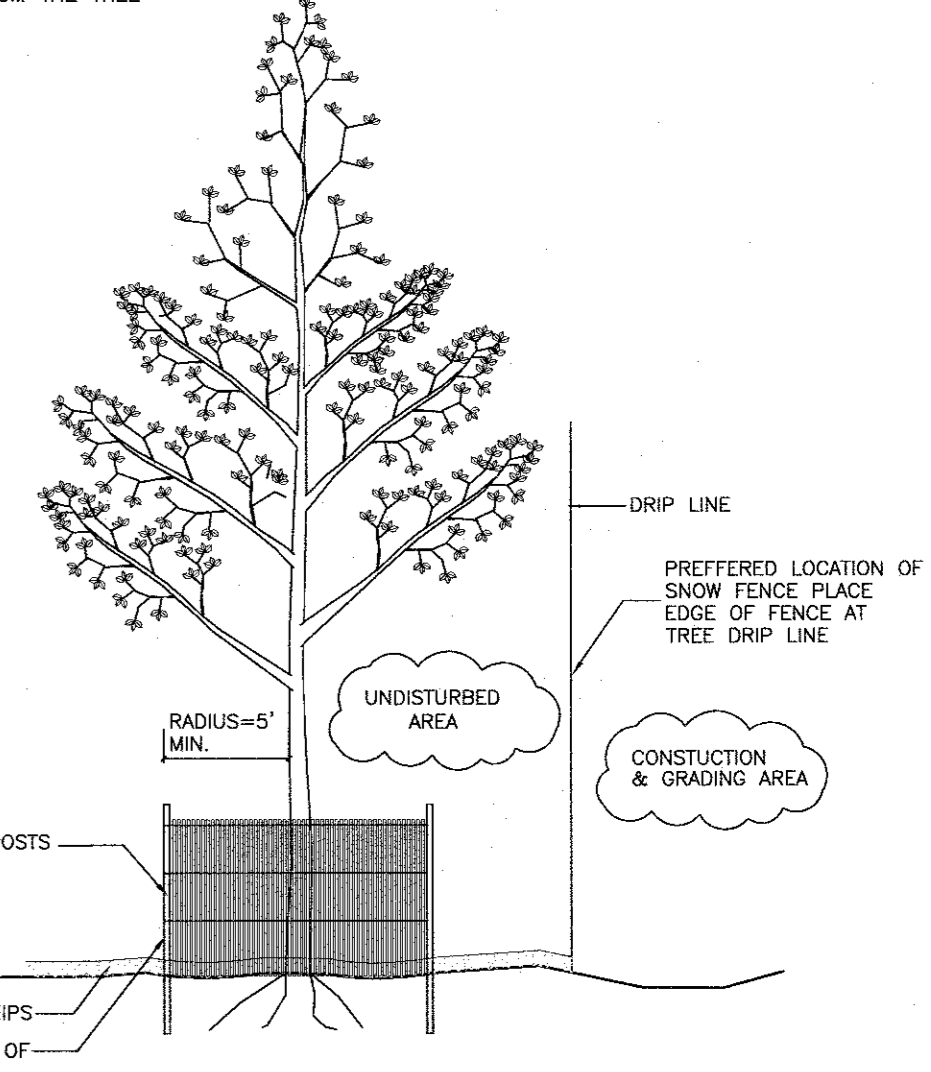
1. ALL PLANTS SHALL BE NURSERY GROWN AND PLANTS AND WORKMANSHIP SHALL CONFORM TO THE AMERICAN ASSOCIATION OF NURSERMEN STANDARDS AND SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE AND AFTER PLANTING.
2. ALL PLANTING SHALL BE PLACED UNDER THE DIRECTION OF THE LANDSCAPE ARCHITECT. GIVE 48 HOURS NOTICE BEFORE PLANTING.
3. GUARANTEE ALL PLANTS AND WORKMANSHIP FOR A PERIOD OF TWO PLANTING SEASONS (ONE FULL YEAR).
4. PLACE 4" OF TOPSOIL ON ALL LAWN AREAS AND 12" TOP SOIL IN ALL PLANTING BEDS.
5. PLANT PITS SHALL BE 36" WIDER FOR TREES (MINIMUM OF TWO TIMES ROOT BALL DIAMETER) AND 24" WIDER FOR SHRUBS AND 6" DEEPER THAN THE ROOT BALL. SET PLANTS AT SAME LEVEL AS ORIGINALLY GROWN ON BASE OF UNDISTURBED SOIL. REMOVE ALL EXISTING SOIL FROM PLANT PIT AND BACKFILL WITH A MIXTURE OF ONE PART PEAT HUMUS, ONE PART DEHYDRATED COW MANURE, AND FOUR PARTS TOPSOIL. FERTILIZE ALL PLANTS WITH 2 TO 3 OZ. PER FOOT OF SHRUB HEIGHT AND 2 TO 3 LBS. PER INCH OF TREE TRUNK OF 5-10-5 FERTILIZER. FOR EVERGREEN PLANTING, ADD 1 LB. PER 100 SQUARE FEET OF PLANT BED EACH OF AMMONIUM SULFATE AND SUPERPHOSPHATE.
6. STAKE ALL TREES WITH TWO CEDAR STAKES; COVER TWISTED 10 GAGE GALVANIZED WIRE WITH RUBBER HOSE AND FASTEN AROUND TREE AT 5 FOOT HEIGHT MINIMUM. WRAP TRUNK WITH KRAFT PAPER TO FIRST BRANCH. REMOVE WIRES AND STAKES AFTER THE ONE YEAR.
7. MULCH ALL PLANTS AND PLANTED AREAS WITH A 4" DEPTH OF SHREDDED PINE, OAK BARK.
8. FERTILIZE AREAS BEFORE SEEDING OR SODDING WITH 15 LBS. PER 1000 SQUARE FEET OF 10-20-20 FERTILIZER OR APPROVED EQUIVALENT. REPEAT AFTER 8 WEEKS.
9. LAWN AREAS SHALL BE SEEDED AT 5 LBS. PER 1000 SQUARE FEET WITH THE FOLLOWING SEED MIX: 40% JAMESTOWN CHEWINKS FESCUE, 40% BARON KENTUCKY BLUEGRASS, AND 20% YORKTOWN PERENNIAL RYE. MULCH NEWLY SEEDED LAWN AT 90 LBS. PER 1000 SQUARE FEET WITH HAY OR STRAW MULCH.
10. THE CONTRACTOR IS RESPONSIBLE TO PLANT THE TOTAL QUANTITIES OF ALL PLANTS SHOWN ON THE PLANTING PLAN. THE QUANTITIES OF PLANTING SHOWN GRAPHICALLY ON THE PLAN SHALL GOVERN.
11. EXISTING TREES SHOWN ON THIS PLAN ARE TO REMAIN UNDISTURBED. ALL EXISTING TREES SHOWN TO REMAIN ARE TO BE PROTECTED WITH A 4 FOOT HIGH SNOW FENCE PLACED AT THE DRIP LINE OF THE BRANCHES OR AT 8 FEET MINIMUM FROM THE TREE TRUNK.

TREE LIST

NO.	SIZE	TYPE	CONDITION
2001	18"	MAPLE	GOOD
2002	11"	TRIPLEMAPLE	GOOD
2003	19"	TWIN MAPLE	GOOD
2004	21"	QUAD MAPLE	GOOD
2005	24"	MAPLE	GOOD
2006	12"	TRIPLE MAPLE	GOOD
2007	12"	TRIPLE MAPLE	GOOD
2008	14"	QUADMAPLE	GOOD
2010	26"	MAPLE	GOOD
2011	20"	MAPLE	GOOD
2014	16"	TRIPLE MAPLE	GOOD
2015	12"	QUAD MAPLE	GOOD
2016	30"	MAPLE	GOOD
2017	12"	TRIPLE MAPLE	GOOD
2018	16"	MAPLE	GOOD
2020	10"	MAPLE	POOR
2021	12"	MAPLE	GOOD
2022	8"	CLUMP MAPLE	GOOD
2023	22"	TWIN MAPLE	GOOD
2024	21"	TRIPLE MAPLE	GOOD
2025	27"	MAPLE	GOOD
2026	23"	MAPLE	GOOD
2027	24"	SYCAMORE	GOOD
2028	15"	MAPLE	GOOD
2029	48"	OAK	GOOD
2030	7"	FIR	GOOD
2031	10"	FIR	GOOD
2032	12"	FIR	GOOD
2033	8"	FIR	GOOD
2034	10"	FIR	GOOD
2035	9"	FIR	GOOD
2036	9"	FIR	GOOD
2037	7"	FIR	GOOD
2038	10"	FIR	GOOD
2039	15"	BIRCH	GOOD
2041	8"	FIR	GOOD
2042	11"	FIR	GOOD
2043	11"	FIR	GOOD
2044	12"	FIR	GOOD
2045	12"	FIR	GOOD
2046	11"	FIR	GOOD
2047	8"	FIR	GOOD
2048	8"	FIR	GOOD
2049	12"	FIR	GOOD
2050	8"	FIR	GOOD
2051	19"	ASH	GOOD

TREE LEGEND

- EXISTING TREE
- TREE TO BE PRESERVED
- ⊗ TREE TO BE REMOVED



NOTES:

- 1) INSTALL SNOW FENCE TREE PROTECTION PRIOR TO ANY CLEARING OR EXCAVATION.
- 2) MAINTAIN SNOW FENCE FOR THE DURATION OF THE CONSTRUCTION PERIOD.

TREE PROTECTION DETAIL

N.T.S.

1	07-15-22	PER COMMENTS BY ARCHITECT
REVISION	DATE	DESCRIPTION

AN&Z ATZL, NASHER & ZIGLER P.C.
 ENGINEERS-SURVEYORS-PLANNERS
 232 North Main Street
 New City, New York 10956
 Tel: (845) 634-4694
 Fax: (845) 634-5543
 E-mail: info@anzny.com
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PROJECT: **TAPPAN FIRE DISTRICT**

TOWN OF ORANGETOWN
 ROCKLAND COUNTY, NEW YORK

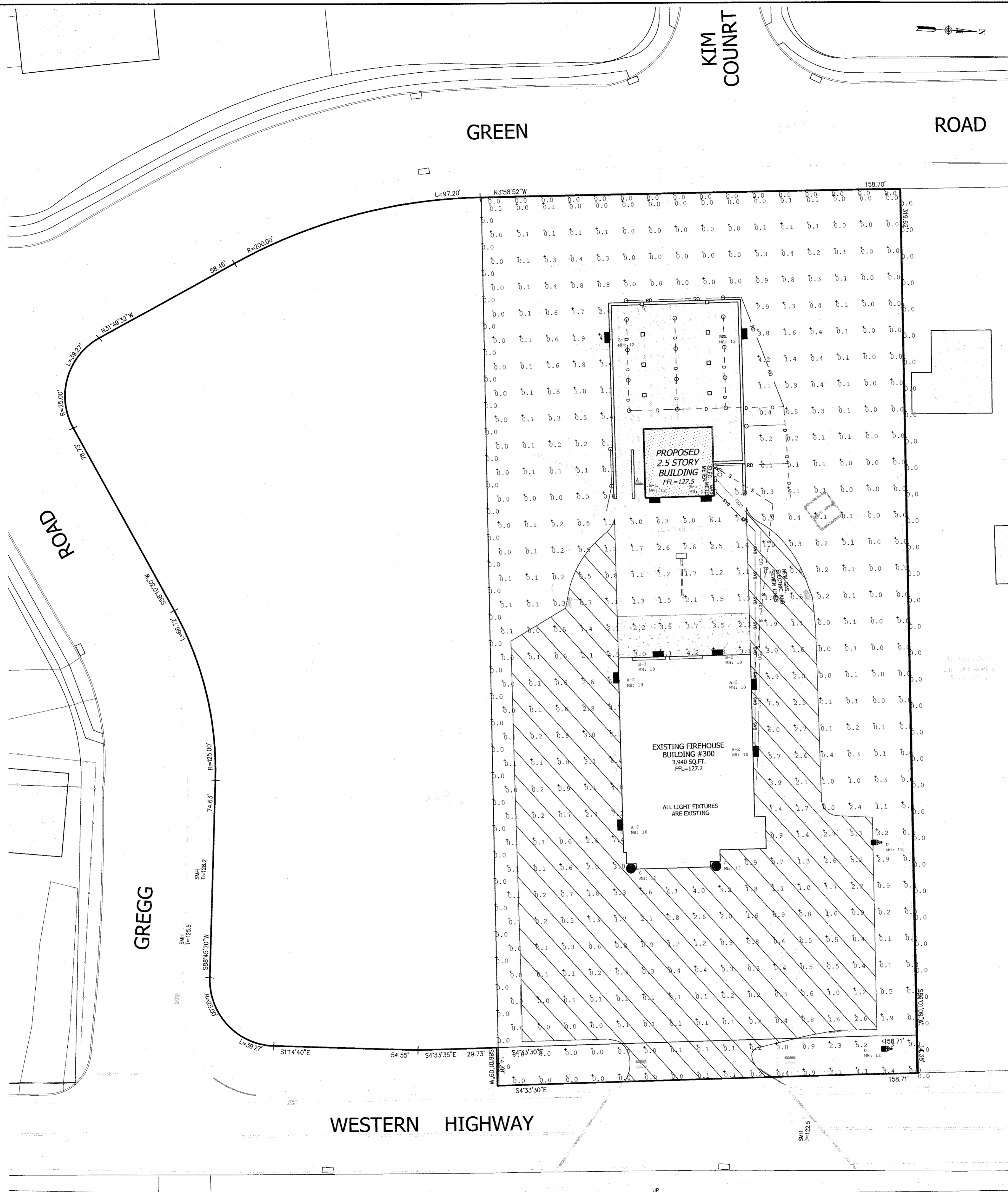
TREE PLAN

DRAWN BY: LF	CHECKED BY: JRA
DATE: OCTOBER 28, 2021	SCALE: 1 IN. = 20 FT.
PROJECT NO: 4924	DRAWING NO: 6

THE EDUCATION LAW OF THE STATE OF NEW YORK PROVIDES THAT ANY PERSON ALLEGING VIOLATION OF THIS LAW SHALL BE SUBJECT TO THE JURISDICTION OF THE STATE EDUCATION BOARD. THE BOARD HAS THE AUTHORITY TO TAKE SUCH ACTION AS IT DEEMES APPROPRIATE TO ENFORCE THIS LAW. THE BOARD'S DECISIONS ARE FINAL AND NOT SUBJECT TO APPEAL.

RYAN A. NASHER, P.E.
 N.Y.S. P.E. LIC. NO. 89066

ATZL, NASH & ZIGLER P.C.
 JOHN R. ATZL
 N.Y.S. P.L.S. LIC. NO. 50228




CALCULATION SUMMARY						
LABEL	CALC TYPE	UNITS	AVG	MAX	MIN	AVG/MIN MAX/MIN
CALCULATION GRID @ GRADE	ILLUMINANCE	FC	0.91	7.5	0.0	N.A. N.A.
PROPERTY LINE	ILLUMINANCE	FC	0.00	0.0	0.0	N.A. N.A.
SITE	ILLUMINANCE	FC	1.78	7.5	0.0	N.A. N.A.


LUMINAIRE SCHEDULE									
SYMBOL	QTY	LABEL	ARRANGEMENT	TOTAL LAMP LUM.	L/F	DESCRIPTION	TOTAL WATTS	BUG RATING	LUM. WATTS
■	2	A-1	SINGLE	N.A.	0.950	VISIONAIRE MLB-1-T3-24LC-5-4K-VOLT @ 12' MTG. HT.	77.71428	B1-U0-G1	38.85714
■	5	A-2	SINGLE	N.A.	0.950	VISIONAIRE MLB-1-T3-24LC-5-4K-VOLT @ 10' MTG. HT.	194.2857	B1-U0-G1	38.85714
■	2	B-1	SINGLE	N.A.	0.950	VISIONAIRE MLB-1-T4-24LC-5-4K-COLT @ 12' MTG. HT.	77.71428	B1-U0-G1	38.85714
■	2	B-2	SINGLE	N.A.	0.950	VISIONAIRE MLB-1-T4-24LC-5-4K-COLT @ 10' MTG. HT.	77.71428	B1-U0-G1	38.85714
●	2	C	SINGLE	N.A.	0.950	VISIONAIRE SRL-1-T4-32LC-3-4K-UNV-CL @ 12' MTG. HT.	70	B1-U3-G2	35
■	2	D	SINGLE	N.A.	0.950	VISIONAIRE VSK-H-TAL-20L-4K-HS-VOLT-SINGLE @ 12' MTG. HT.	268	B0-U3-G3	134


LEGEND

- 2' --- EXISTING 2' CONTOUR
- 10' --- EXISTING 10' CONTOUR
- W --- EXISTING WATERLINE
- ⊗ --- EXISTING FIRE HYDRANT
- --- EXISTING GAS LINE
- CB --- EXISTING CATCH BASIN
- --- EXISTING STORM DRAIN LINE
- SMH --- EXISTING SEWER MANHOLE
- S --- EXISTING SEWER LINE
- --- EXISTING SPOT ELEVATION
- --- EXISTING STONEWALL
- --- EXISTING SIGN
- LP --- EXISTING LIGHT POLE
- UP --- EXISTING UTILITY POLE
- --- LIMIT OF 100 YEAR FLOODPLAIN
- --- LIMIT OF 500 YEAR FLOODPLAIN
- GAS --- PROPOSED GAS LINE

1	07-15-22	PER COMMENTS BY ARCHITECT
REVISION	DATE	DESCRIPTION
 ATZL, NASHER & ZIGLER P.C. ENGINEERS-SURVEYORS-PLANNERS 232 North Main Street New City, New York 10956 Tel: (845) 634-4694 Fax: (845) 634-5543 E-mail: info@anzny.com Web: www.ANZNY.com		
PROJECT:		
TAPPAN FIRE DISTRICT		
TITLE:		
LIGHTING PLAN		
DRAWN BY:	LF	CHECKED BY: JRA
DATE:	OCTOBER 28, 2021	SCALE: 1 IN. = 20 FT.
PROJECT NO:	4924	DRAWING NO: 7

THE ENGINEERING LAW OF THE STATE OF NEW YORK PROVIDES THAT ANY PERSON HOLDING ANY KIND OF TITLE OR POSITION AS AN ENGINEER OR SURVEYOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE WORK PREPARED BY HIM OR HER UNDER HIS OR HER SUPERVISION AND SHALL BE SUBJECT TO THE PENALTIES PROVIDED BY THE LAW IN THAT REGARD. THIS PLAN IS PREPARED BY THE ENGINEER OR SURVEYOR AND IS NOT TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF THE ENGINEER OR SURVEYOR. THE ENGINEER OR SURVEYOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE WORK PREPARED BY HIM OR HER UNDER HIS OR HER SUPERVISION AND SHALL BE SUBJECT TO THE PENALTIES PROVIDED BY THE LAW IN THAT REGARD. THIS PLAN IS PREPARED BY THE ENGINEER OR SURVEYOR AND IS NOT TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF THE ENGINEER OR SURVEYOR.


 RYAN A. NASHER, P.E.
 N.Y.S. P.E. LIC. NO. 89066


 JOHN R. ATZL
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