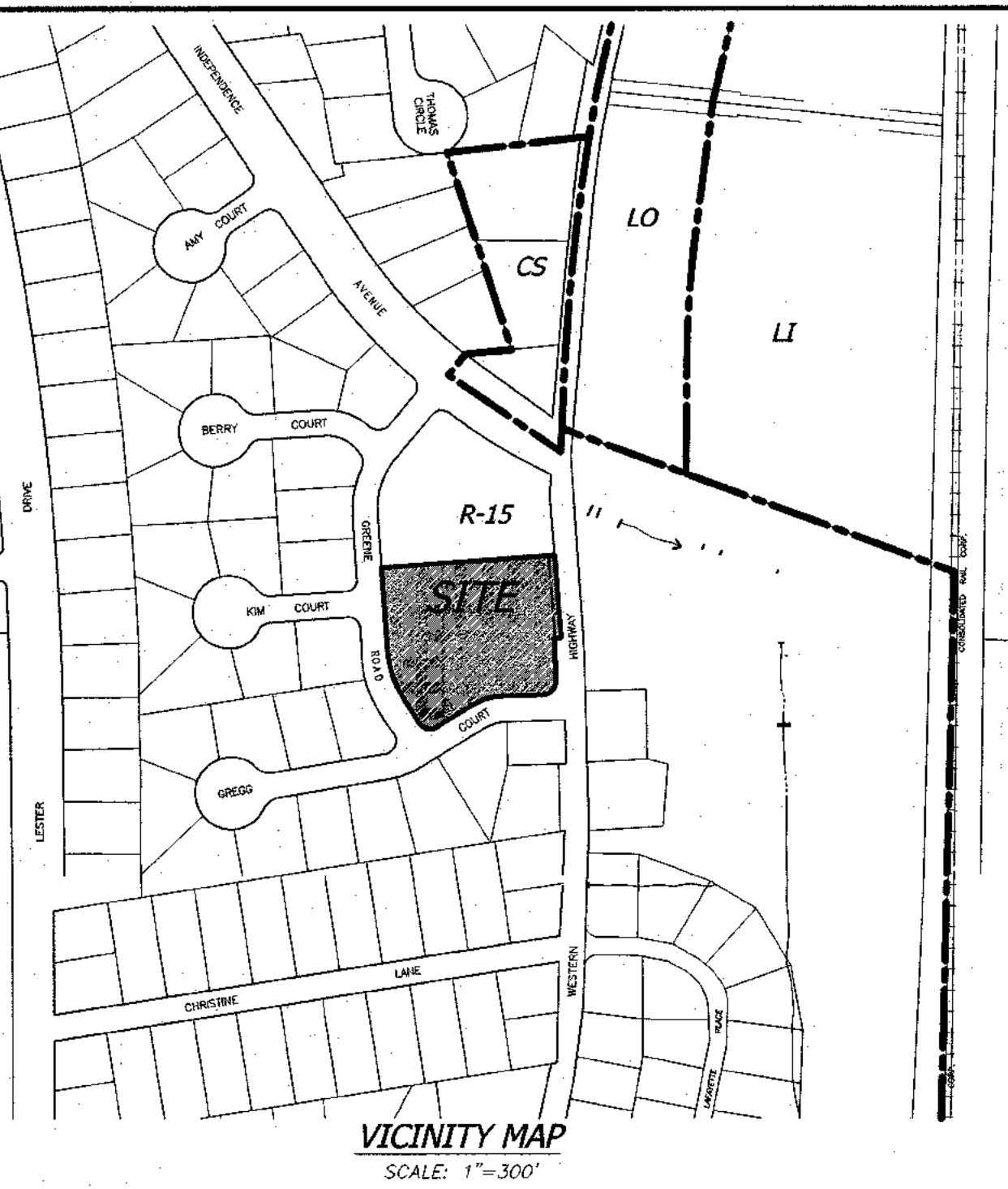


NOTES:

- 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-BM CATCH BASIN WESTERN HIGHWAY
- 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 ONSITE 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: \bullet
- 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 LAIDEN 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 LAIDEN 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 5 LB. OF RYE GRASS OR MULCH WITH 100 LB. OF STRAW OR HAY PER 1000 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 LB. 10-6-4 50% SLOW RELEASE FERTILIZER
70 LB. GRANULATE LIMESTONE
4 LB. 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 A 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 BUILDING PERMIT.
- PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY, A FLOOD ELEVATION CERTIFICATE IS TO BE SUBMITTED TO THE TOWN OF ORANGETOWN BUILDING DEPT.
- THE TOWN OF ORANGETOWN SEWER INSPECTOR SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY AND ALL CONSTRUCTION ON OR NEAR EXISTING AND PROPOSED SANITARY SEWER FACILITIES.



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:

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

TOTAL IMPERVIOUS AREAS:

EXISTING: 24,471 SQ.FT. OR 0.561 ACRE
PROPOSED: 28,210 SQ.FT. OR 0.647 ACRE

TOTAL AREA OF DISTURBANCE: 0.411 ACRE

DRAWING LIST

| DRAWING No. | TITLE | ORIGIN DATE | LAST REVISION |
|-------------|---------------------------------|-------------|---------------|
| DRAWING 1 | SITE DEVELOPMENT PLAN | 10-28-2021 | 04-24-2023 |
| DRAWING 2 | EXISTING CONDITION | 10-28-2021 | 04-24-2023 |
| DRAWING 3 | GRADING PLAN | 10-28-2021 | 04-24-2023 |
| DRAWING 4 | DETAILS | 10-28-2021 | 04-24-2023 |
| DRAWING 5 | EROSION & SEDIMENT CONTROL PLAN | 10-28-2021 | 04-24-2023 |
| DRAWING 6 | LANDSCAPING PLAN | 10-28-2021 | 04-24-2023 |
| DRAWING 7 | LIGHTING PLAN | 10-28-2021 | 04-24-2023 |

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. |

PARKING REQUIREMENTS:

NOT LISTED IN CODE
23 SPACES PROVIDED

LOT AREA CALCULATIONS

| | | | |
|----------------------------------|---|--------|------------------------|
| GROSS LOT AREA | = | 90,393 | SQ. FT. |
| * LESS 50% OF ROAD WIDENING | = | -1,141 | SQ. FT. |
| NET LOT AREA FOR ZONING PURPOSES | = | 89,252 | SQ. FT. OR 2.049 ACRES |

LEGEND

- 360 --- EXISTING 2" CONTOUR
- 360 --- EXISTING 10' CONTOUR
- W --- EXISTING WATERLINE
- --- EXISTING FIRE HYDRANT
- G --- EXISTING GAS LINE
- CB --- EXISTING CATCH BASIN
- --- EXISTING STORM DRAIN LINE
- SMH --- EXISTING SEWER MANHOLE
- S --- S --- EXISTING SEWER LINE
- + 360 --- EXISTING SPOT ELEVATION
- --- EXISTING STONEWALL
- --- EXISTING SIGN
- LP --- EXISTING LIGHT POLE
- --- EXISTING UTILITY POLE

THE EQUALIZATION LAW OF THE STATE OF NEW YORK PROVIDES THAT ANY PERSON WHOSE BUSINESS OR PROFESSION IS OF SUCH A NATURE AS TO REQUIRE A LICENSE UNDER THE EQUALIZATION LAW SHALL BE CONSIDERED TO BE A PROFESSIONAL ENGINEER OR ARCHITECT IF HE OR SHE IS REGISTERED AS SUCH WITH THE STATE OF NEW YORK. THE EQUALIZATION LAW PROVIDES THAT ANY PERSON WHOSE BUSINESS OR PROFESSION IS OF SUCH A NATURE AS TO REQUIRE A LICENSE UNDER THE EQUALIZATION LAW SHALL BE CONSIDERED TO BE A PROFESSIONAL ENGINEER OR ARCHITECT IF HE OR SHE IS REGISTERED AS SUCH WITH THE STATE OF NEW YORK.

STATE OF NEW YORK
RYAN A. NASHER, P.E.
N.Y.S. REG. NO. 69066

STATE OF NEW YORK
TOWN OF ORANGETOWN
TOWN CLERK
N.Y.S. REG. NO. 69028

ATZL, NASHER & ZIGLER P.C.
ENGINEERS-SURVEYORS-PLANNERS
232 North Main Street
New City, New York 10956
Tel: (845) 634-4694
Fax: (845) 634-5643
E-mail: info@anzny.com
Web: www.ANZNY.com

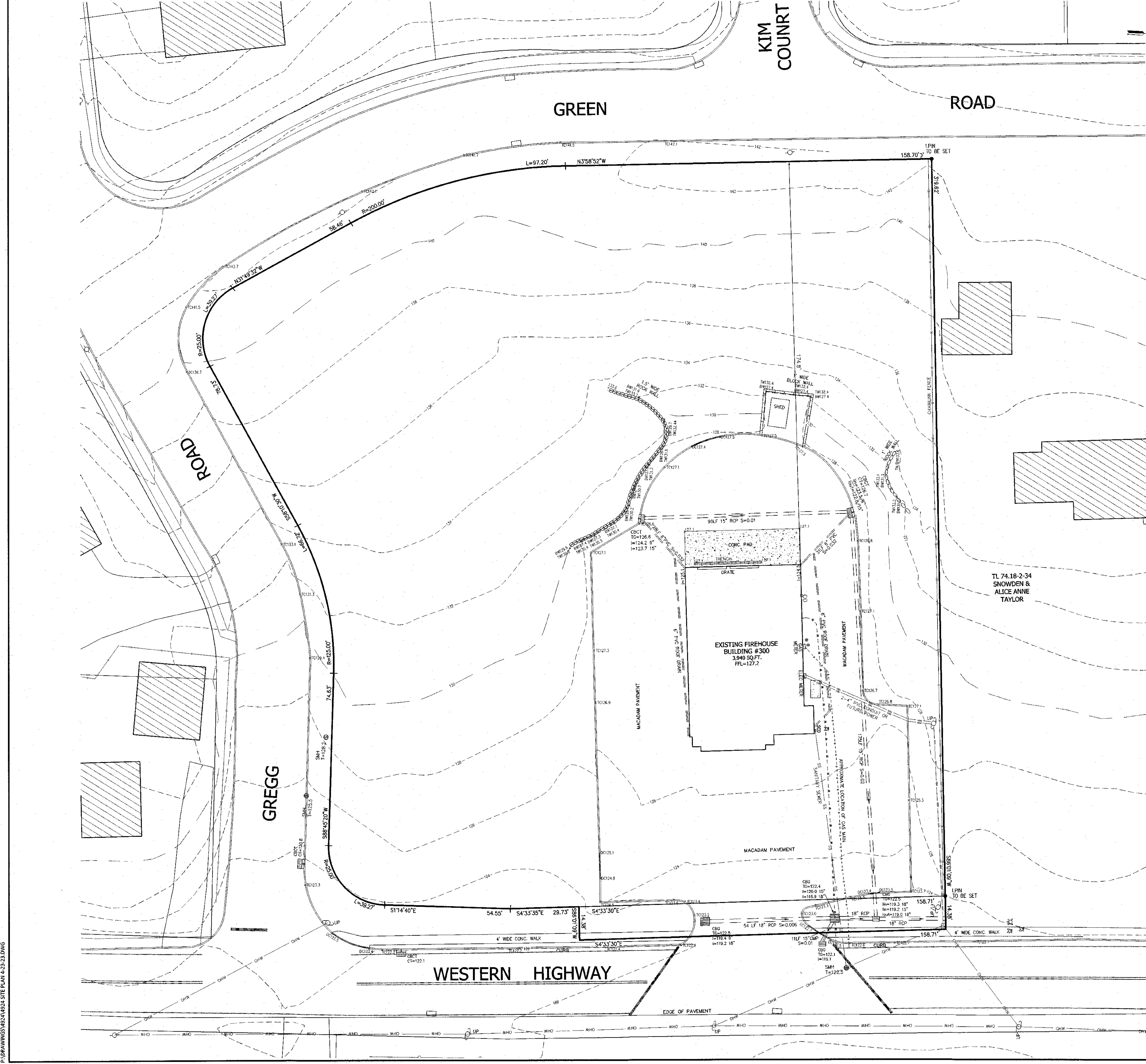
TAPPAN FIRE DISTRICT

**TOWN OF ORANGETOWN
ROCKLAND COUNTY, NEW YORK**

SITE DEVELOPMENT PLAN

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

P:\DRAWINGS\4924\4924 SITE PLAN 4-23-23.DWG



LEGEND

- 2' --- EXISTING 2' CONTOUR
- 10' --- 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

UNLICENSED ASSISTING OR JUNIOR SURVEYOR IS A SERVICE OFFERING A LICENSED LAND SURVEYOR'S REGISTERED SEAL IS A VALIDATION OF SERVICE TO THE PUBLIC. THE SURVEYOR'S REGISTERED SEAL IS A VALIDATION OF SERVICE TO THE PUBLIC. THE SURVEYOR'S REGISTERED SEAL IS A VALIDATION OF SERVICE TO THE PUBLIC.

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

STATE OF NEW YORK
 JOHN R. ZIGLER
 N.Y.S. P.E. LIC. NO. 50228

| 2 | 04-24-23 | PER PB COMMENTS 12-01-22 |
|----------|----------|---------------------------|
| 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) 634-6543
 E-mail: info@anzny.com
 Web: www.ANZNY.com

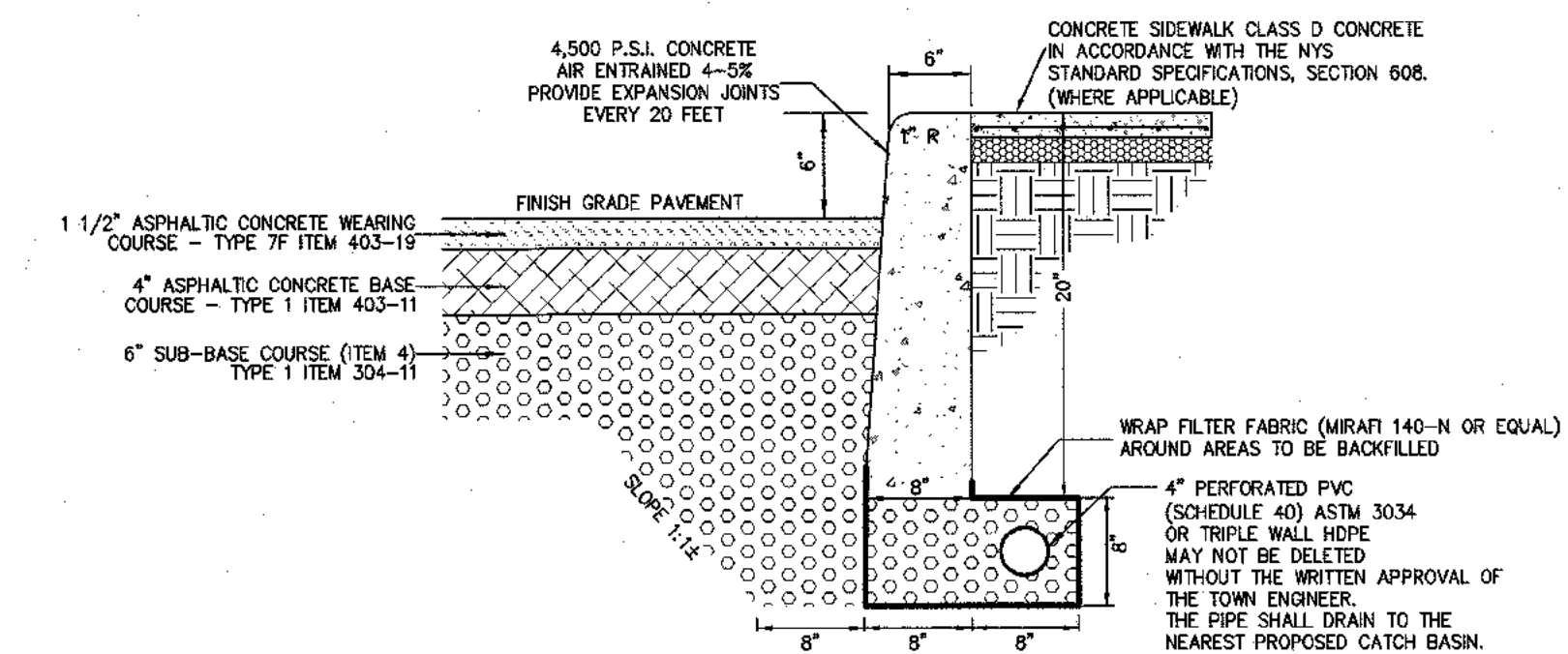
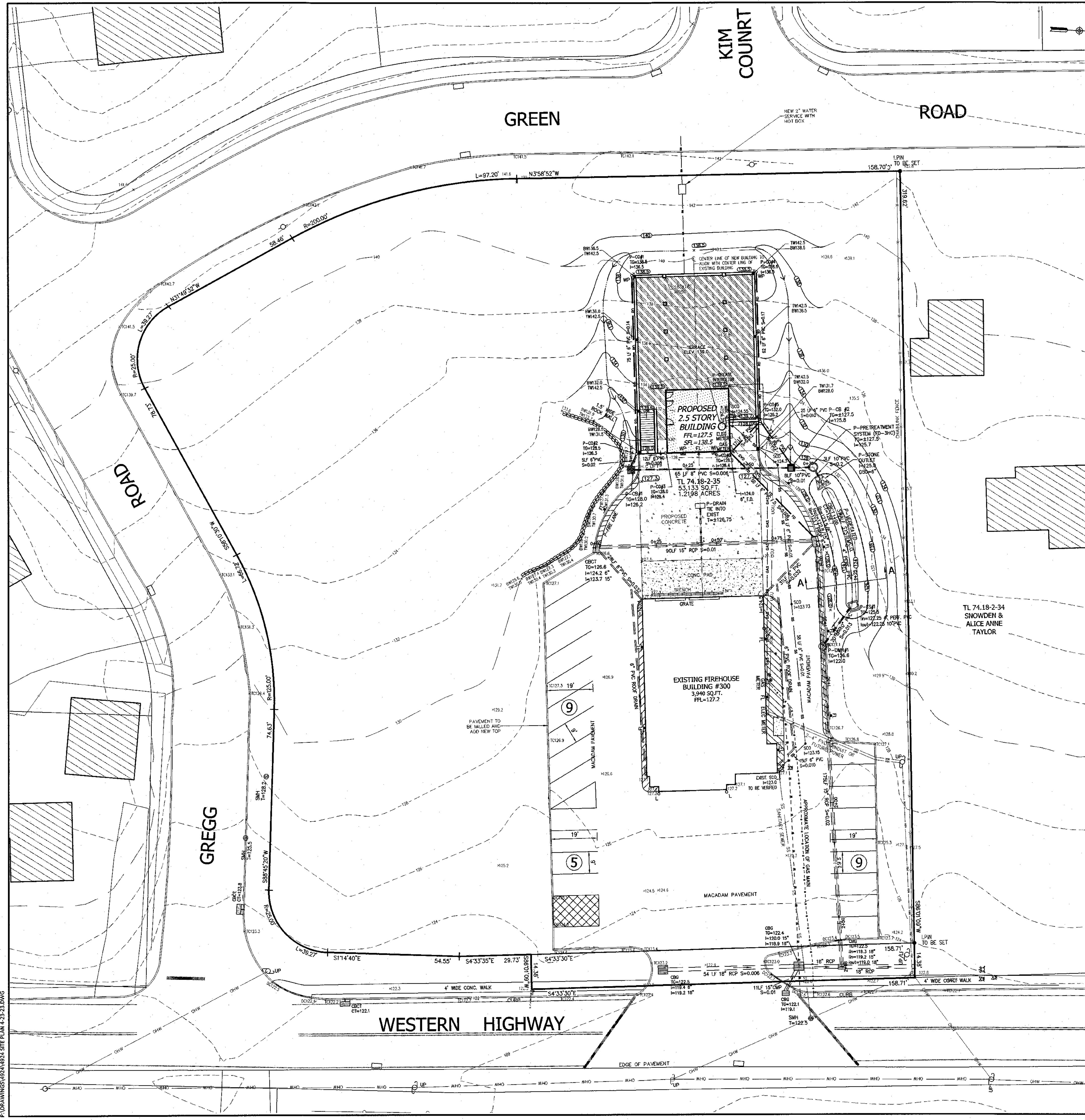
PROJECT: **TAPPAN FIRE DISTRICT**

TOWN OF ORANGETOWN
 ROCKLAND COUNTY, NEW YORK

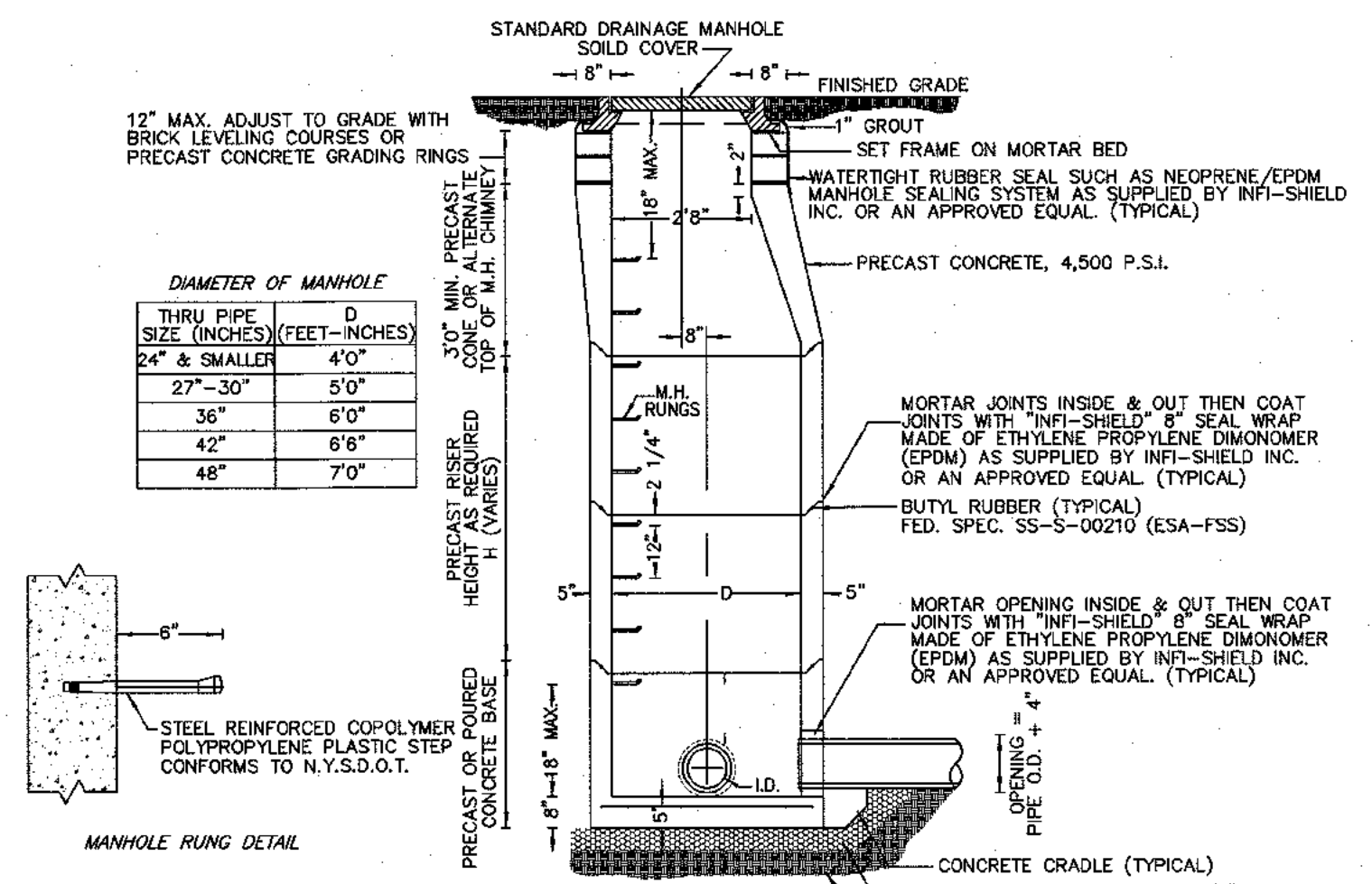
TITLE: **EXISTING CONDITION**

| | |
|------------------------|-----------------------|
| DRAWN BY: LF | CHECKED BY: JRA |
| DATE: OCTOBER 28, 2021 | SCALE: 1 IN. = 20 FT. |
| PROJECT NO: 4924 | DRAWING NO: 2 |

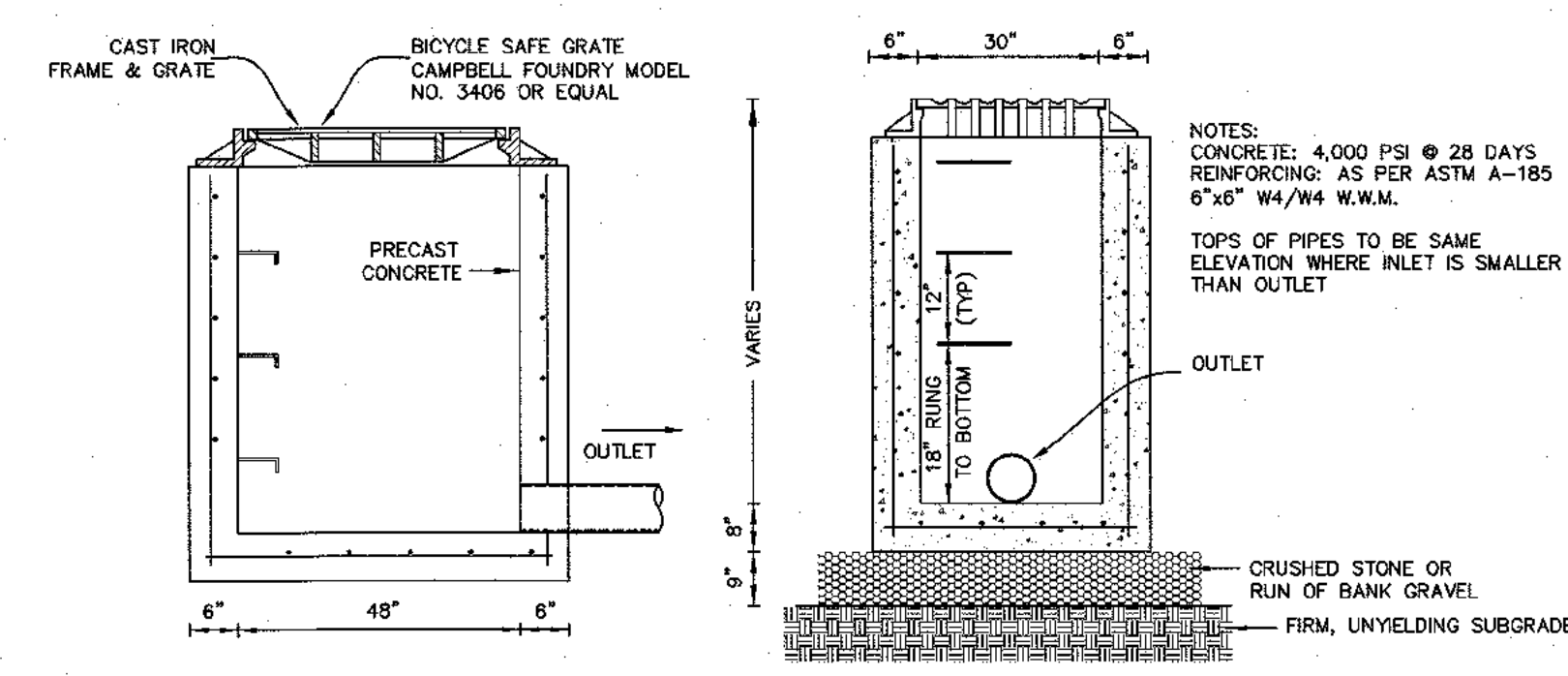
DRAWINGS 4924-001 SITE PLAN 4-23-23 DWG



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



PRECAST STANDARD DRAINAGE MANHOLE SECTION
N.T.S.



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

TOTAL AREA OF DISTURBANCE: 0.411 ACRE

LEGEND

| | | | |
|-------------|---------------------------|-------------|------------------------------------|
| --- 2' --- | EXISTING 2' CONTOUR | --- 2' --- | PROPOSED 2' CONTOUR |
| --- 10' --- | EXISTING 10' CONTOUR | --- 10' --- | PROPOSED 10' CONTOUR |
| --- | EXISTING WATERLINE | --- | PROPOSED WATER SERVICE |
| --- | EXISTING FIRE HYDRANT | --- | PROPOSED WATER VALVE |
| --- | EXISTING GAS LINE | --- | PROPOSED FIRE HYDRANT |
| CB | EXISTING CATCH BASIN | CB | PROPOSED GAS SERVICE |
| --- | EXISTING STORM DRAIN LINE | CB | PROPOSED GAS VALVE |
| SMH | EXISTING SEWER MANHOLE | CB | PROPOSED CATCH BASIN |
| --- | EXISTING SEWER LINE | --- | PROPOSED STORM DRAIN LINE |
| --- | EXISTING SPOT ELEVATION | SCO | PROPOSED SEWER CLEANOUT |
| --- | EXISTING STONEWALL | SS | PROPOSED SEWER HOUSE CONNECTION |
| --- | EXISTING SIGN | --- | PROPOSED SPOT ELEVATION |
| --- | EXISTING LIGHT POLE | WS | PROPOSED WATER SERVICE |
| --- | EXISTING UTILITY POLE | GAS | PROPOSED GAS SERVICE |
| | | UGL | PROPOSED UNDERGROUND ELECTRIC LINE |
| | | RD | PROPOSED ROOF DRAIN |
| | | WS | PROPOSED WATERSHED |

| | | |
|----------|----------|---------------------------|
| 2 | 04-24-23 | PER PB COMMENTS 12-01-22 |
| 1 | 07-15-22 | PER COMMENTS BY ARCHITECT |
| REVISION | DATE | DESCRIPTION |

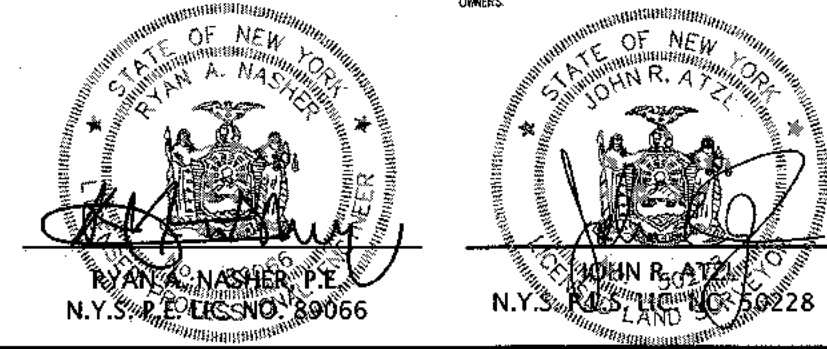
AN&Z
ATZL, NASHER & ZIGLER P.C.
 ENGINEERS-SURVEYORS-PLANNERS
 232 North Main Street
 New City, New York 10956
 Tel: (845) 634-4894
 Fax: (845) 634-5643
 E-mail: info@anzny.com
 Web: www.ANZNY.com

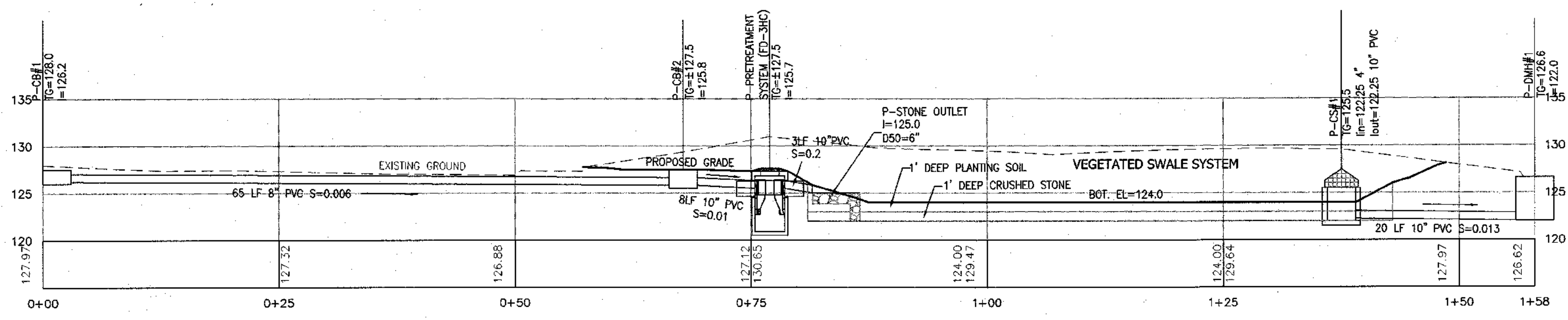
PROJECT: **TAPPAN FIRE DISTRICT**

TOWN OF ORANGETOWN
 ROCKLAND COUNTY, NEW YORK

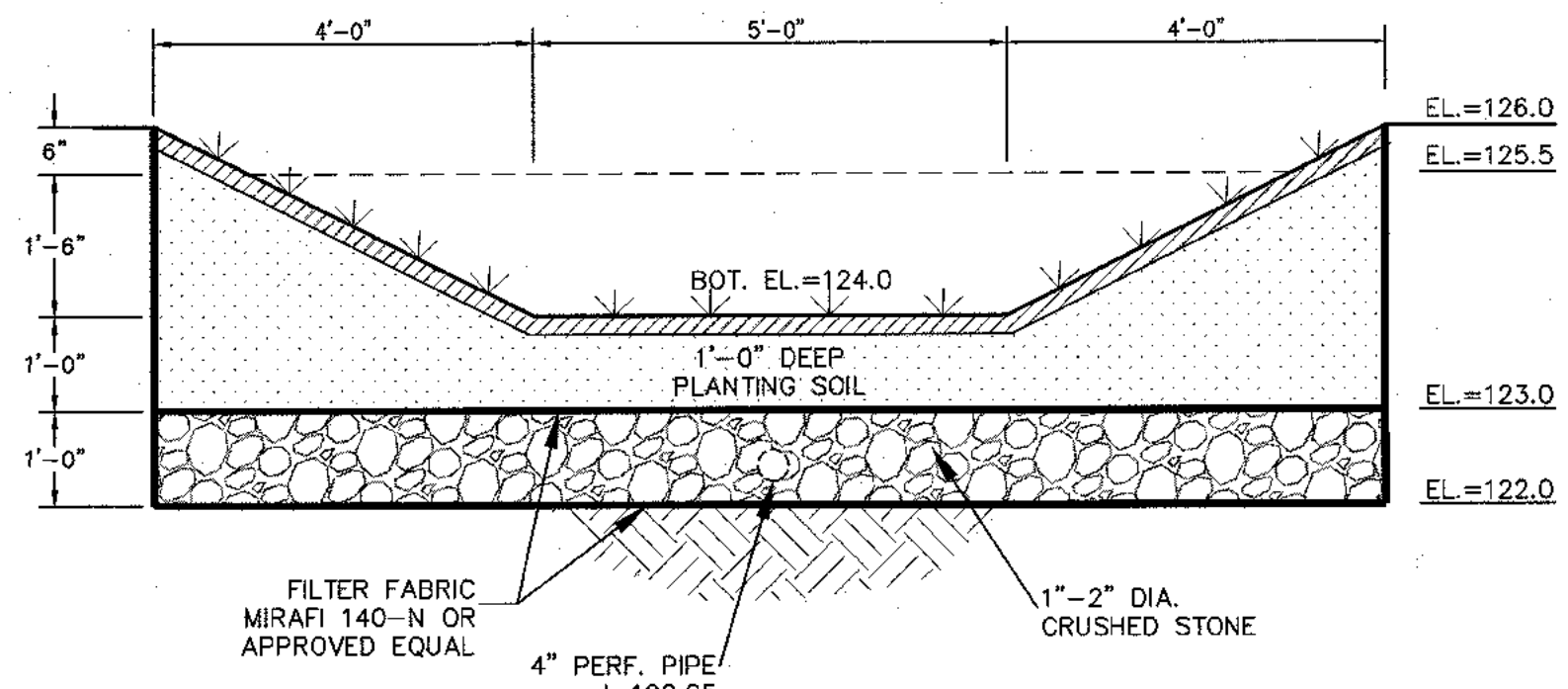
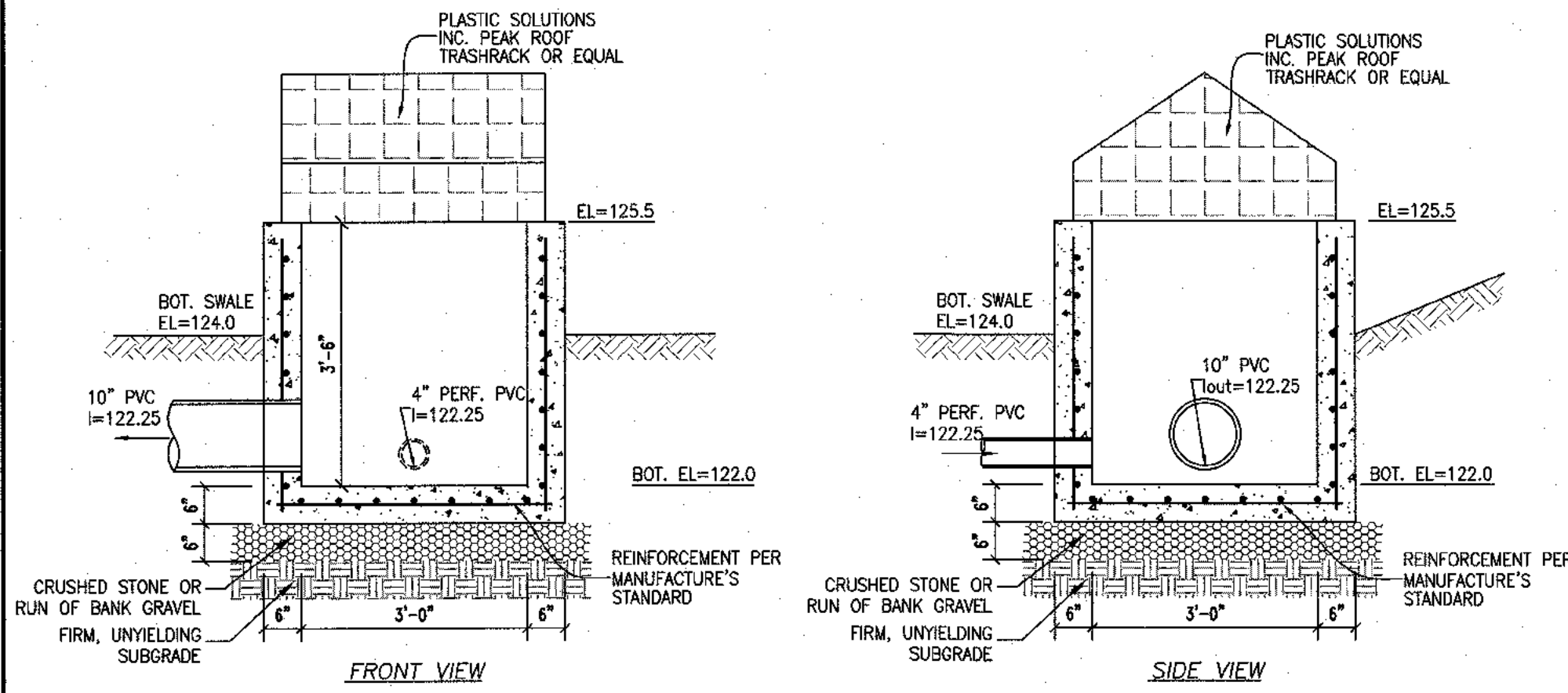
TITLE: **GRADING PLAN**

| | |
|------------------------|-----------------------|
| DRAWN BY: LF | CHECKED BY: JRA |
| DATE: OCTOBER 28, 2021 | SCALE: 1 IN. = 20 FT. |
| PROJECT NO: 4924 | DRAWING NO: 3 |

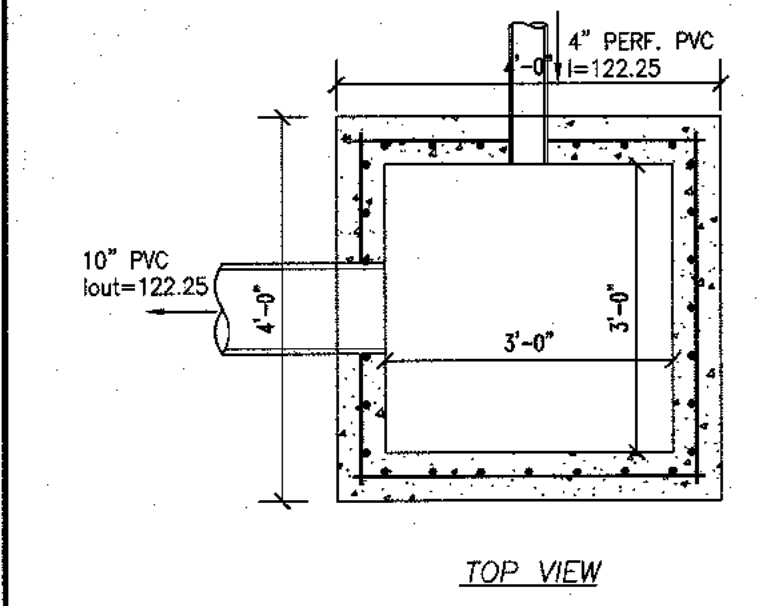




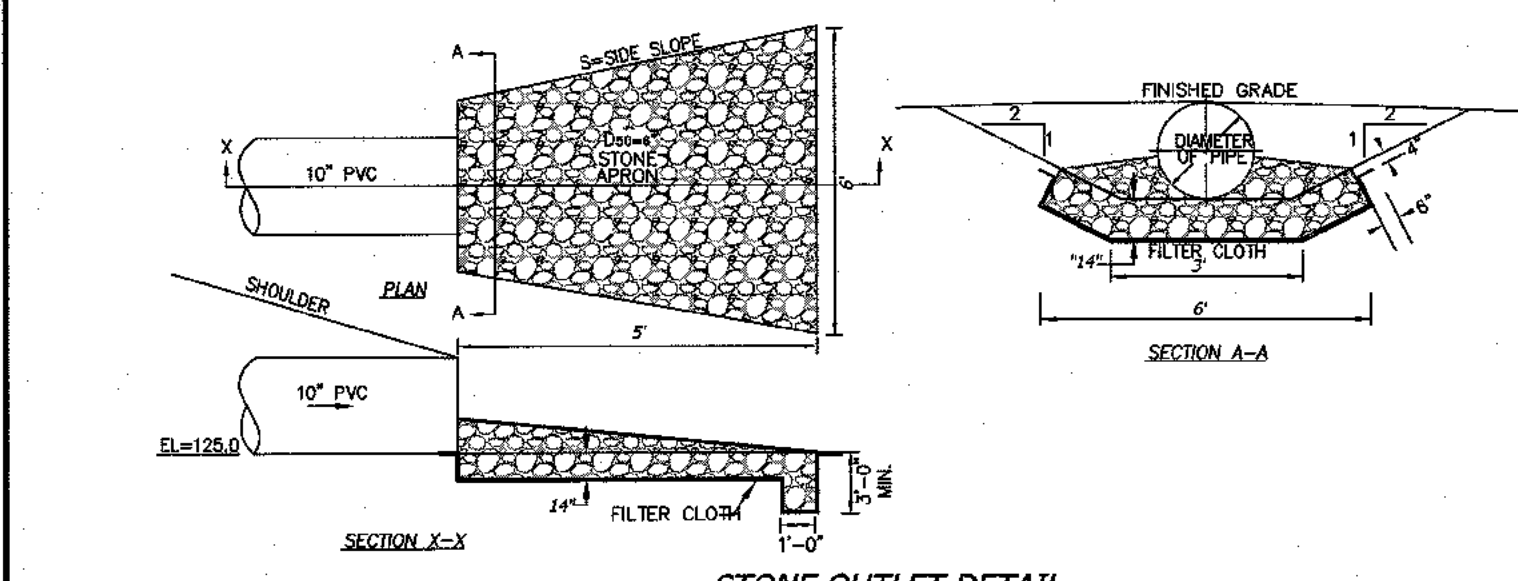
PROPOSED VEGETATED SWALE PROFILE
SCALE 1"=10' H/V



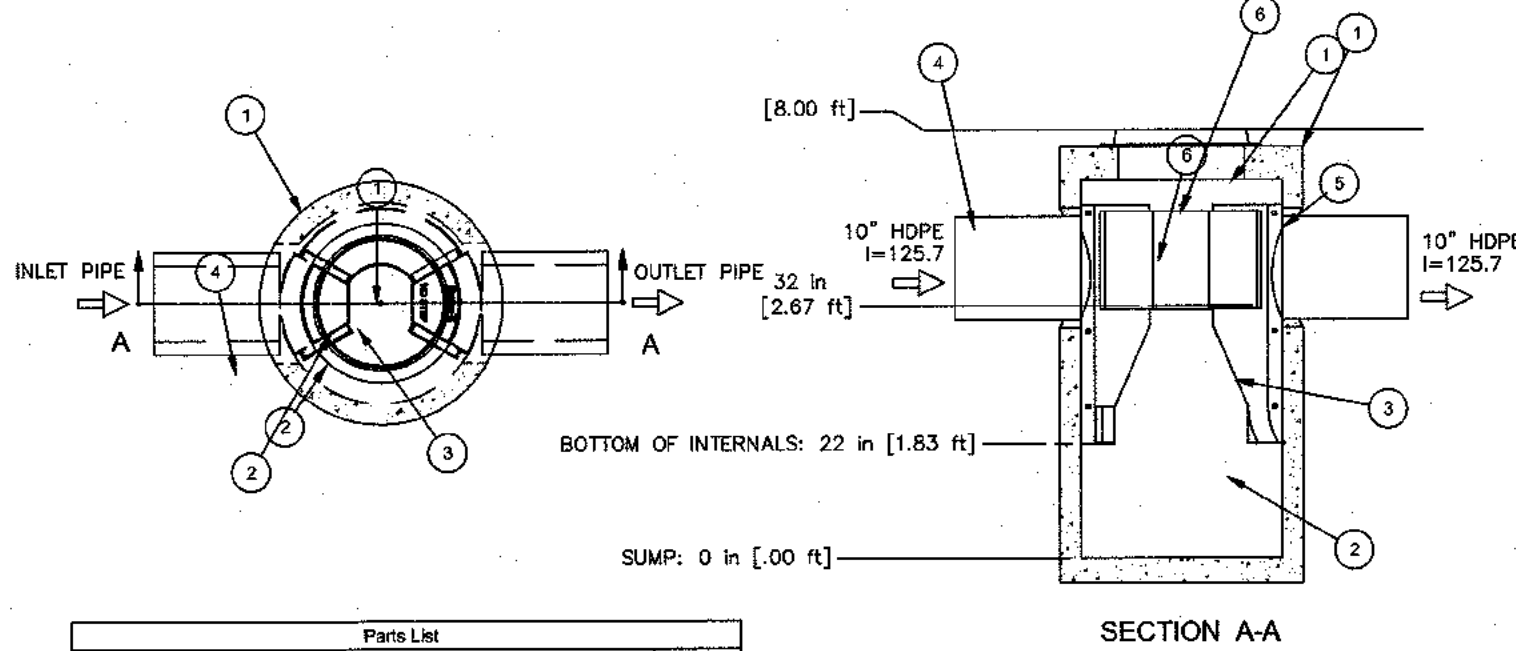
VEGETATED SWALE SECTION A-A
SCALE 1"=2'



P-CS#1 DETAIL
SCALE 1/2"=1'



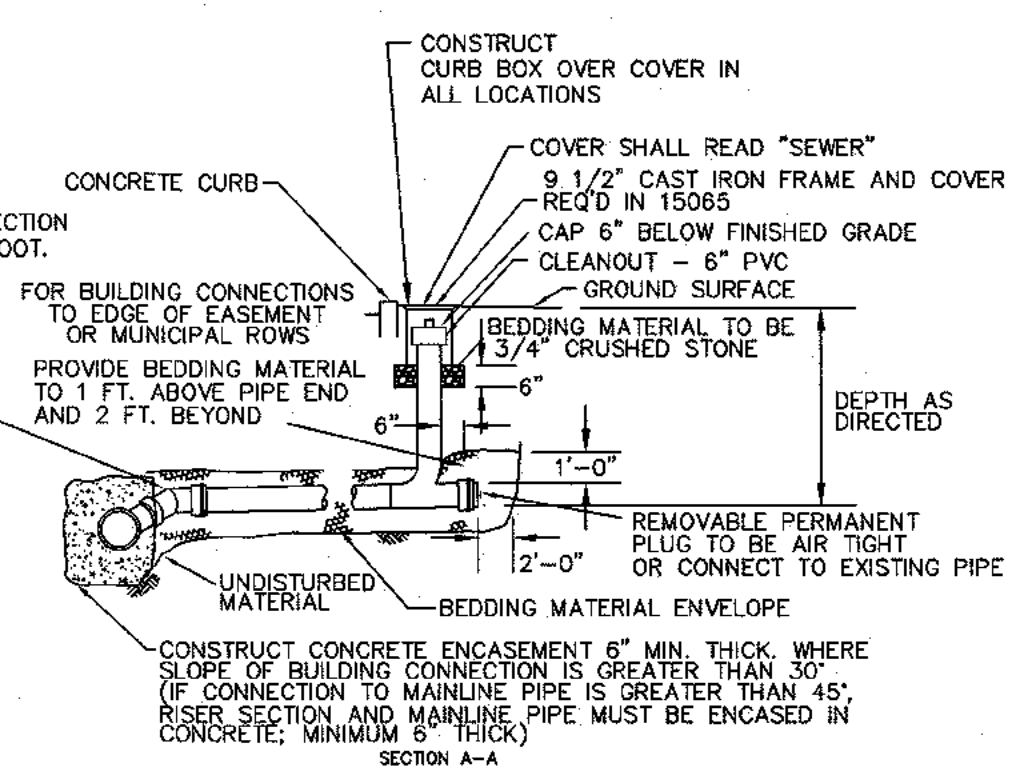
STONE OUTLET DETAIL
N.T.S.



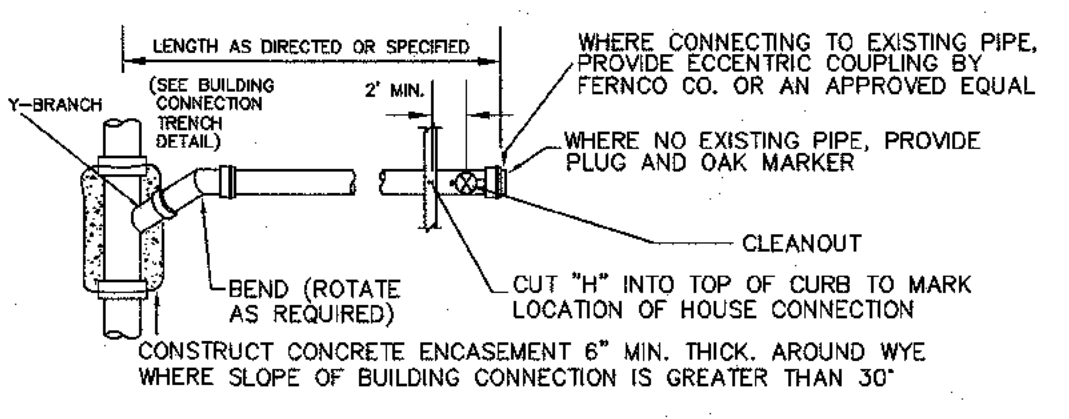
PRETREATMENT (FIRST DEFENSE FD-3HC OR EQUAL)
SCALE: N.T.S.

| 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 |

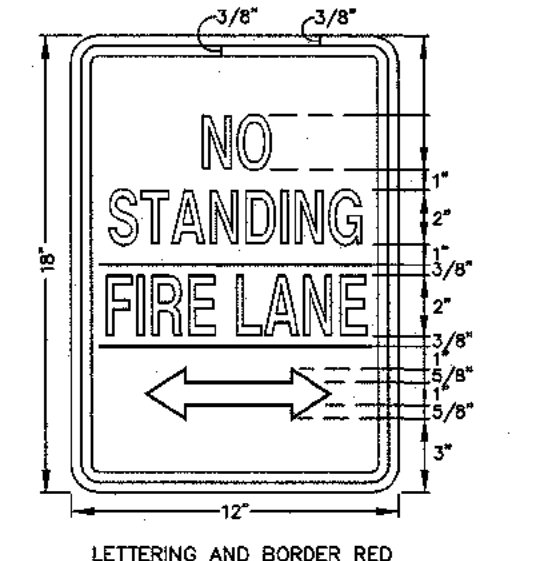
- CAPACITIES:**
1. PEAK HYDRAULIC FLOW: 15.0 cfs (424 l/s)
 2. TYPICAL FLOW: 0.84 cfs (23.78 l/s)
 3. SEDIMENT STORAGE CAPACITY: 0.4 cu. yd. (0.3 cu. m.)
 4. OIL STORAGE CAPACITY: 125 gal. (473 liters)
 5. MAXIMUM INLET/OUTLET PIPE DIAMETERS: 18 in. (450 mm)



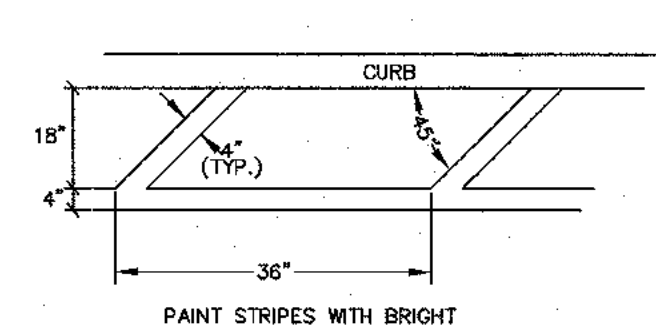
BUILDING CONNECTION ELEVATION
N.T.S.



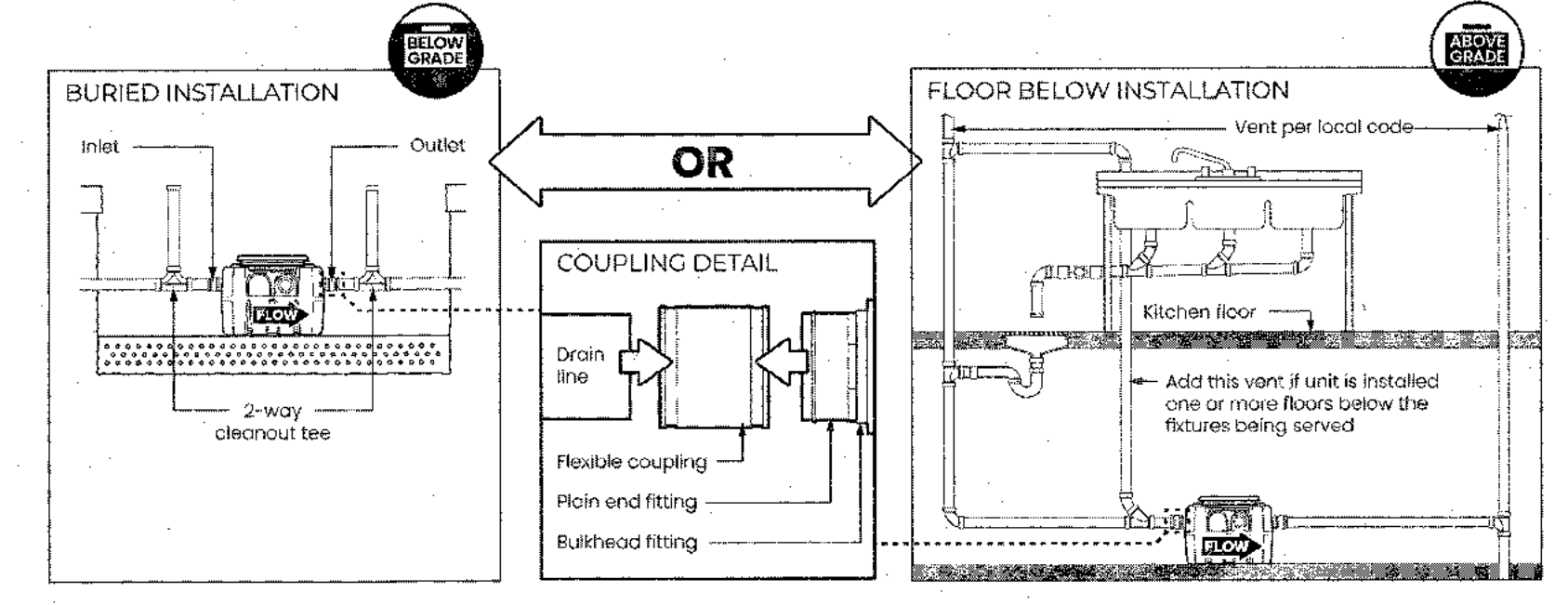
BUILDING CONNECTION PLAN
N.T.S.



SIGN FOR FIRE LANES
N.T.S.

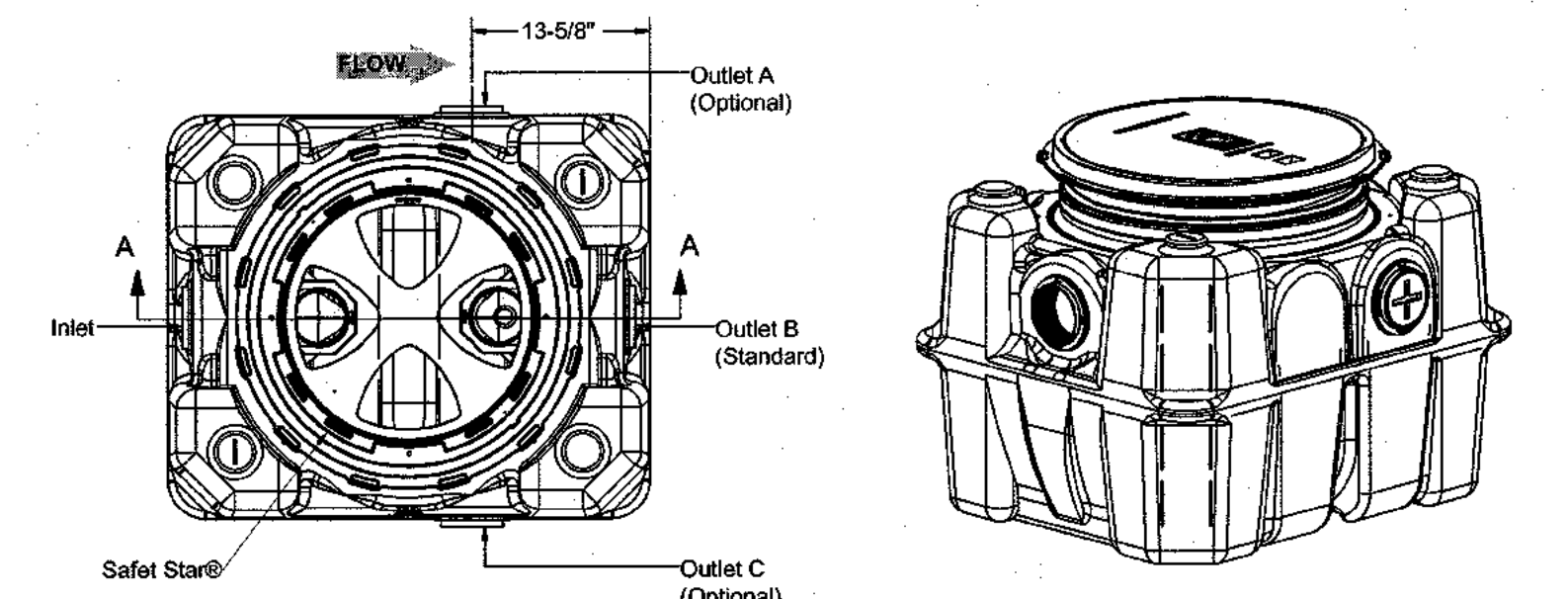


FIRE LANE STRIPING DETAIL
N.T.S.



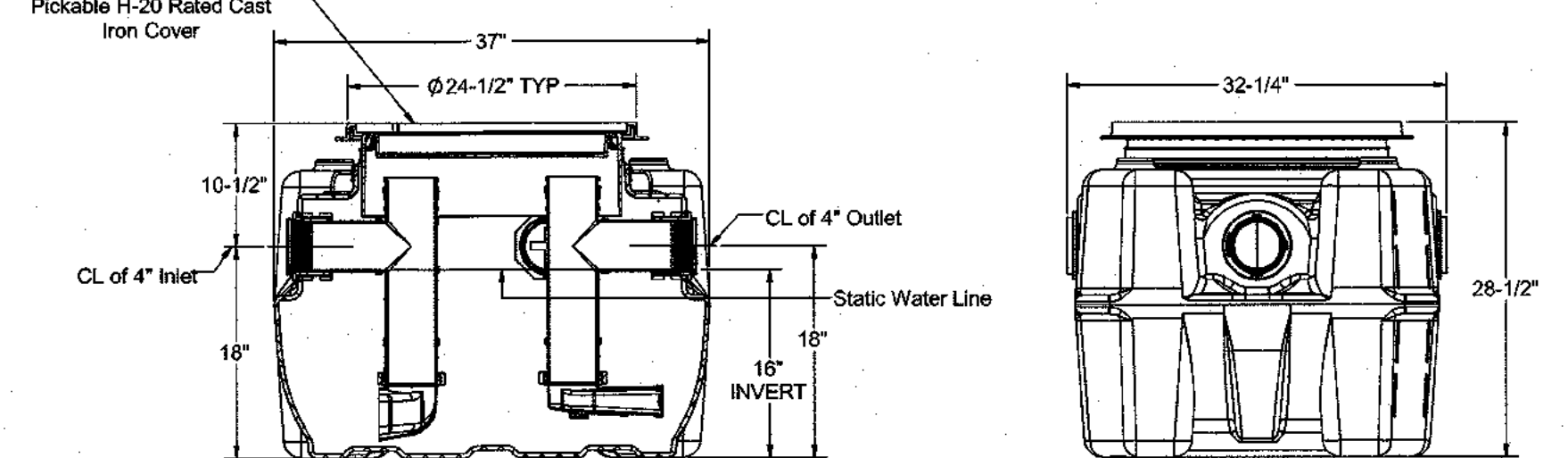
Place unit into final position and set level. Mechanically couple inlet and outlet drainage lines to unit. **Do not solvent weld.** Ensure all upstream fixtures are trapped. Vent per local code. Installation of 2-way cleanout tees to grade (by others) is recommended for buried installations.

TYP. INSTALLATION DETAIL



TOP VIEW
(COVER REMOVED FOR CLARITY)

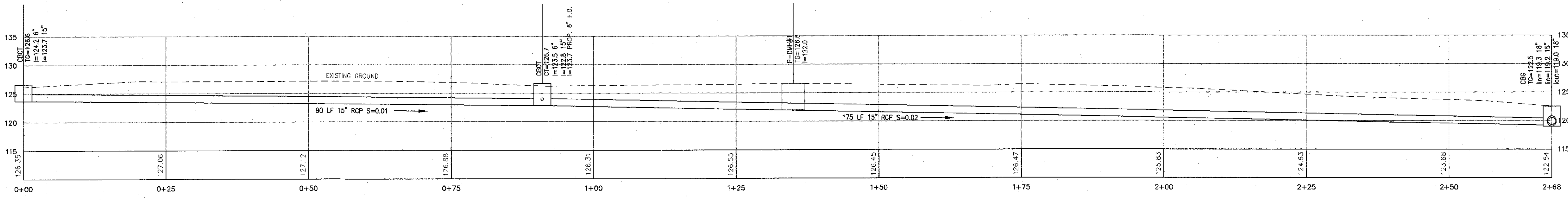
ISOMETRIC VIEW



SECTION A-A

END VIEW

PROPOSED GREASE INTERCEPTOR
SCHIER GB1 OR APPROVED EQUAL
N.T.S.



EXISTING DRAINAGE LINE PROFILE
SCALE 1"=10' H/V

| REVISION | DATE | DESCRIPTION |
|----------|----------|---------------------------|
| 2 | 04-24-23 | PER PB COMMENTS 12-01-22 |
| 1 | 07-15-22 | PER COMMENTS BY ARCHITECT |

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
Web: www.ANZNY.com

PROJECT:
TAPPAN FIRE DISTRICT

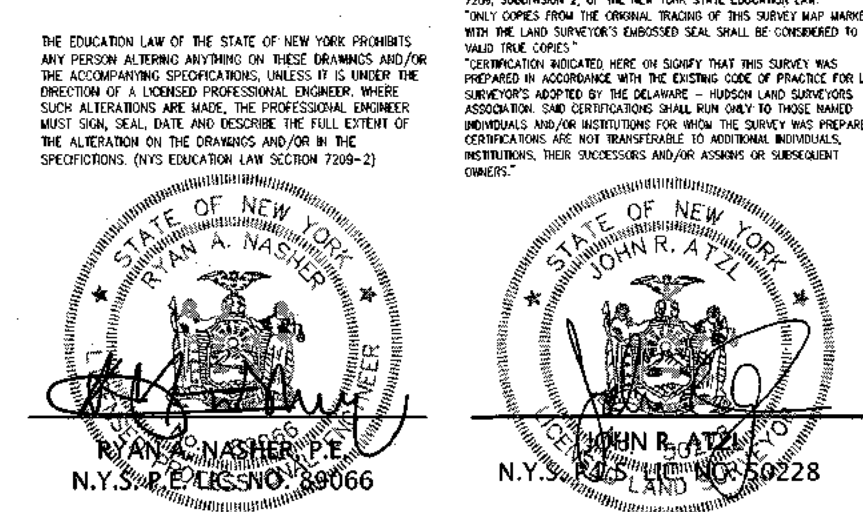
TOWN OF ORANGETOWN
ROCKLAND COUNTY, NEW YORK

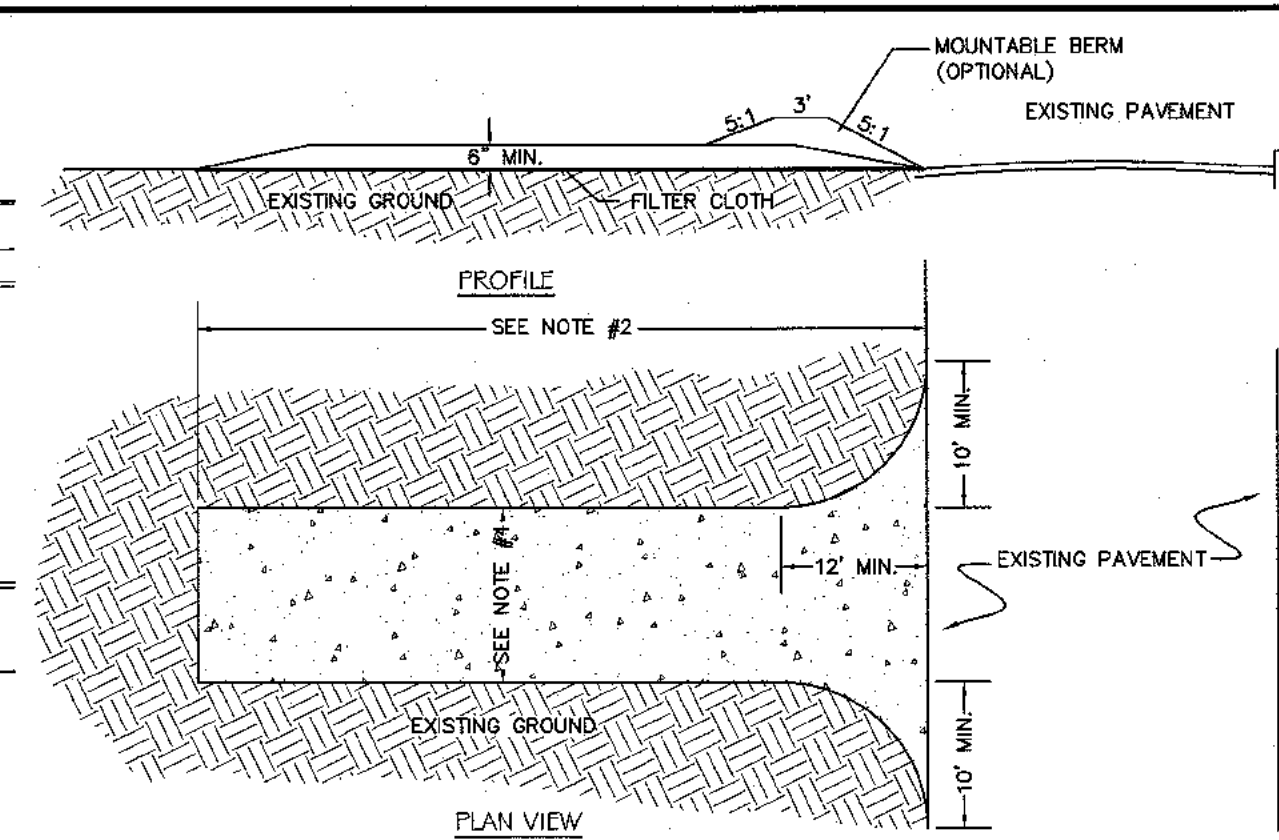
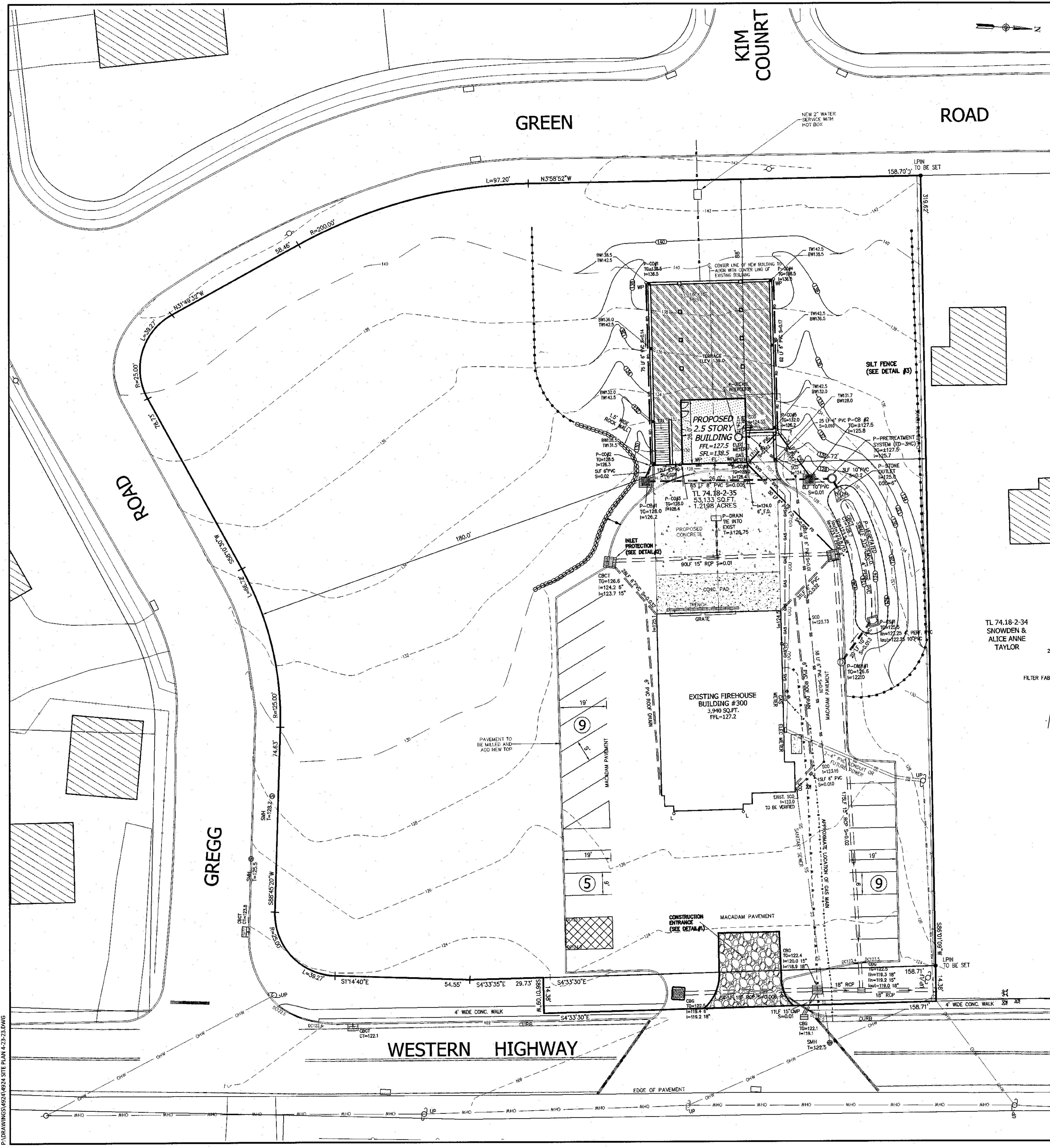
TITLE:
DETAILS

| DRAWN BY: | CHECKED BY: |
|-----------|-------------|
| LF | JRA |

| DATE: | SCALE: |
|------------------|----------------|
| OCTOBER 28, 2021 | 1 IN. = 20 FT. |

| PROJECT NO: | DRAWING NO: |
|-------------|-------------|
| 4924 | 4 |





SPECIFICATIONS FOR CONSTRUCTION ENTRANCE

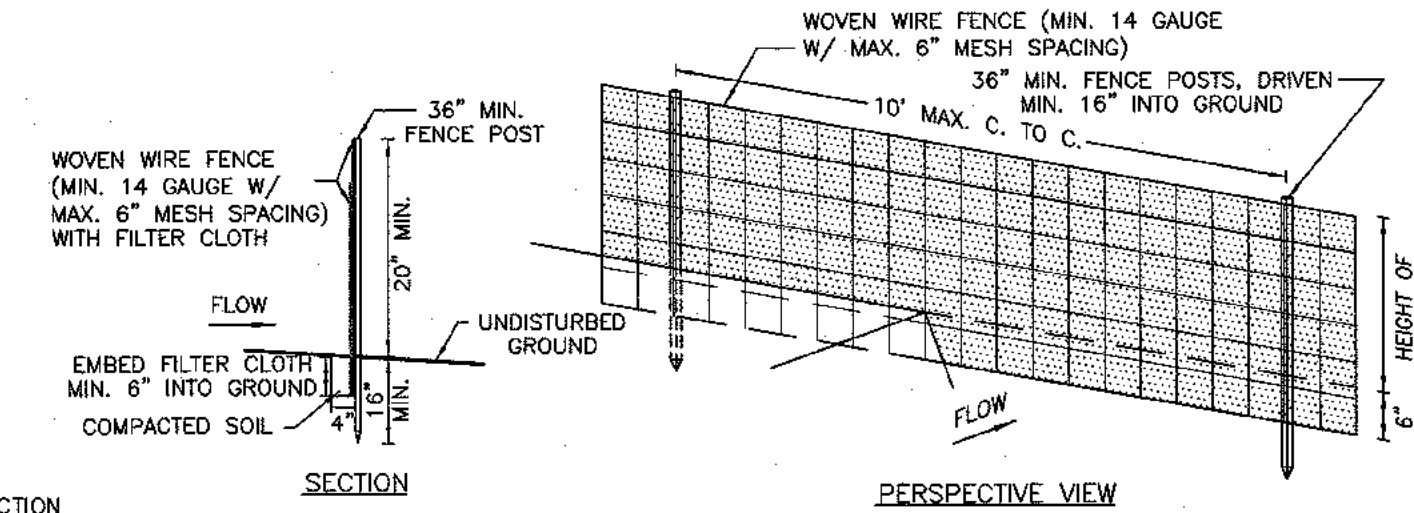
- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FT. (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FT. MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN 6 IN.
- WIDTH - 12 FT. MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS 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 5:1 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 SPILLED, DROPPED, 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 #1
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 ONLY 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 SUBSOIL 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 UNIFORM STONE/ROCK MATERIALS OF FOUR INCHES AND SMALLER SIZE ARE CLEARED OFF THE SITE.
 - APPLY TOPSOIL TO A DEPTH OF 6 INCHES
 - VEGETATE AS REQUIRED BY APPROVED PLAN.

CONSTRUCTION NOTES FOR REINFORCED SILT FENCE

- 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.
- 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, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
- PREFABRICATED UNITS SHALL MEET THE MINIMUM REQUIREMENTS SHOWN.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

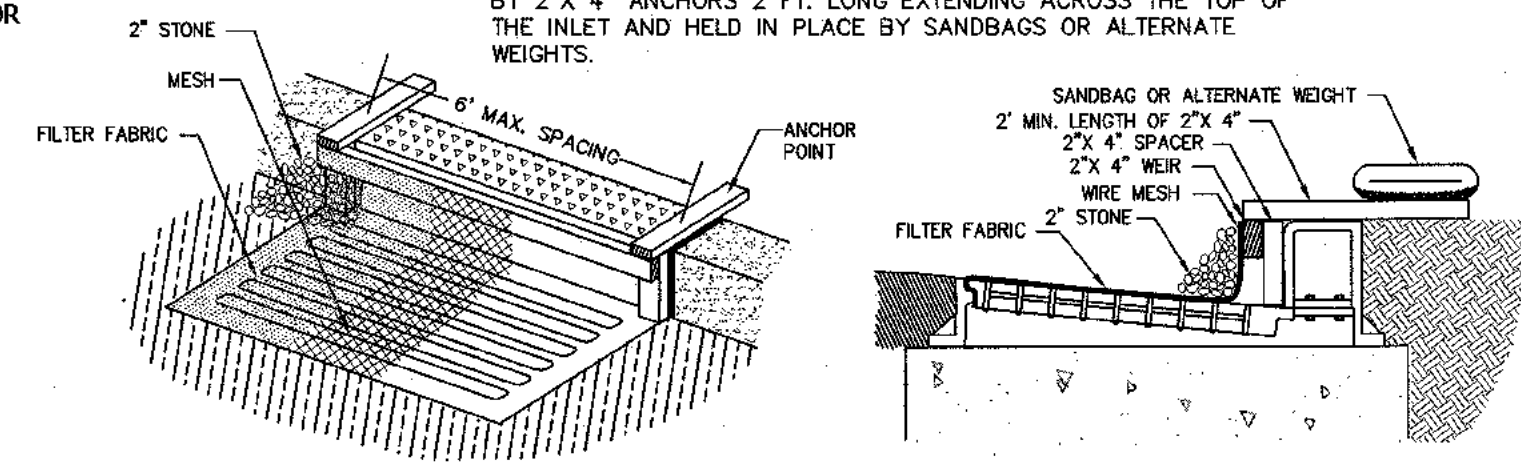


SILT FENCE DETAIL #2
N.T.S.

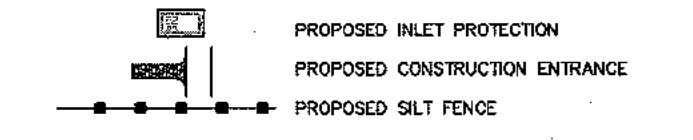
SPECIFICATIONS FOR CURB INLET PROTECTION

- FILTER FABRIC SHALL HAVE AN EOS OF 40-85.
- WOODEN FRAME SHALL BE CONSTRUCTED OF 2" X 4" CONSTRUCTION GRADE LUMBER.
- WIRE MESH ACROSS THROAT SHALL BE A CONTINUOUS PIECE 30" MINIMUM WIDTH WITH A LENGTH 4 FT. LONGER THAN THE THROAT. IT SHALL BE SHAPED AND SECURELY NAILED TO A 2" X 4" WEIR.
- THE WEIR SHALL BE SECURELY NAILED TO 2" X 4" SPACERS 9" LONG SPACED NO MORE THAN 6 FT. APART.
- THE ASSEMBLY SHALL BE PLACED AGAINST THE INLET AND SECURED BY 2" X 4" ANCHORS 2 FT. LONG EXTENDING ACROSS THE TOP OF THE INLET AND HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHTS.

CURB INLET PROTECTION DETAIL #3
N.T.S.

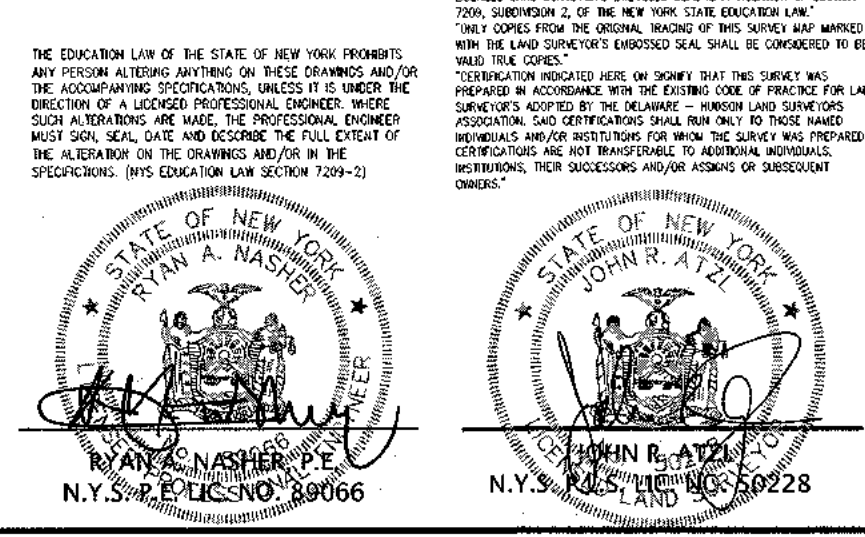


EROSION & SEDIMENT CONTROL LEGEND



LEGEND

- | | | | |
|-------------|---------------------------|-------------|------------------------------------|
| --- 2' --- | EXISTING 2' CONTOUR | --- 2' --- | PROPOSED 2' CONTOUR |
| --- 10' --- | EXISTING 10' CONTOUR | --- 10' --- | PROPOSED 10' CONTOUR |
| --- | EXISTING WATERLINE | --- | PROPOSED WATER SERVICE |
| --- | EXISTING FIRE HYDRANT | --- | PROPOSED WATER VALVE |
| --- | EXISTING GAS LINE | --- | PROPOSED FIRE HYDRANT |
| --- | EXISTING CATCH BASIN | --- | PROPOSED GAS SERVICE |
| --- | EXISTING STORM DRAIN LINE | --- | PROPOSED GAS VALVE |
| --- | EXISTING SEWER MANHOLE | --- | PROPOSED CATCH BASIN |
| --- | EXISTING SEWER LINE | --- | PROPOSED STORM DRAIN LINE |
| --- | EXISTING SPOT ELEVATION | --- | PROPOSED SEWER CLEANOUT |
| --- | EXISTING STONEWALL | --- | PROPOSED SEWER HOUSE CONNECTION |
| --- | EXISTING SIGN | --- | PROPOSED SPOT ELEVATION |
| --- | EXISTING LIGHT POLE | --- | PROPOSED WATER SERVICE |
| --- | EXISTING UTILITY POLE | --- | PROPOSED GAS SERVICE |
| | | --- | PROPOSED UNDERGROUND ELECTRIC LINE |
| | | --- | PROPOSED ROOF DRAIN |
| | | --- | PROPOSED WATERSEED |



| 2 | 04-24-23 | PER FB COMMENTS 12-01-22 |
|----------|----------|---------------------------|
| 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

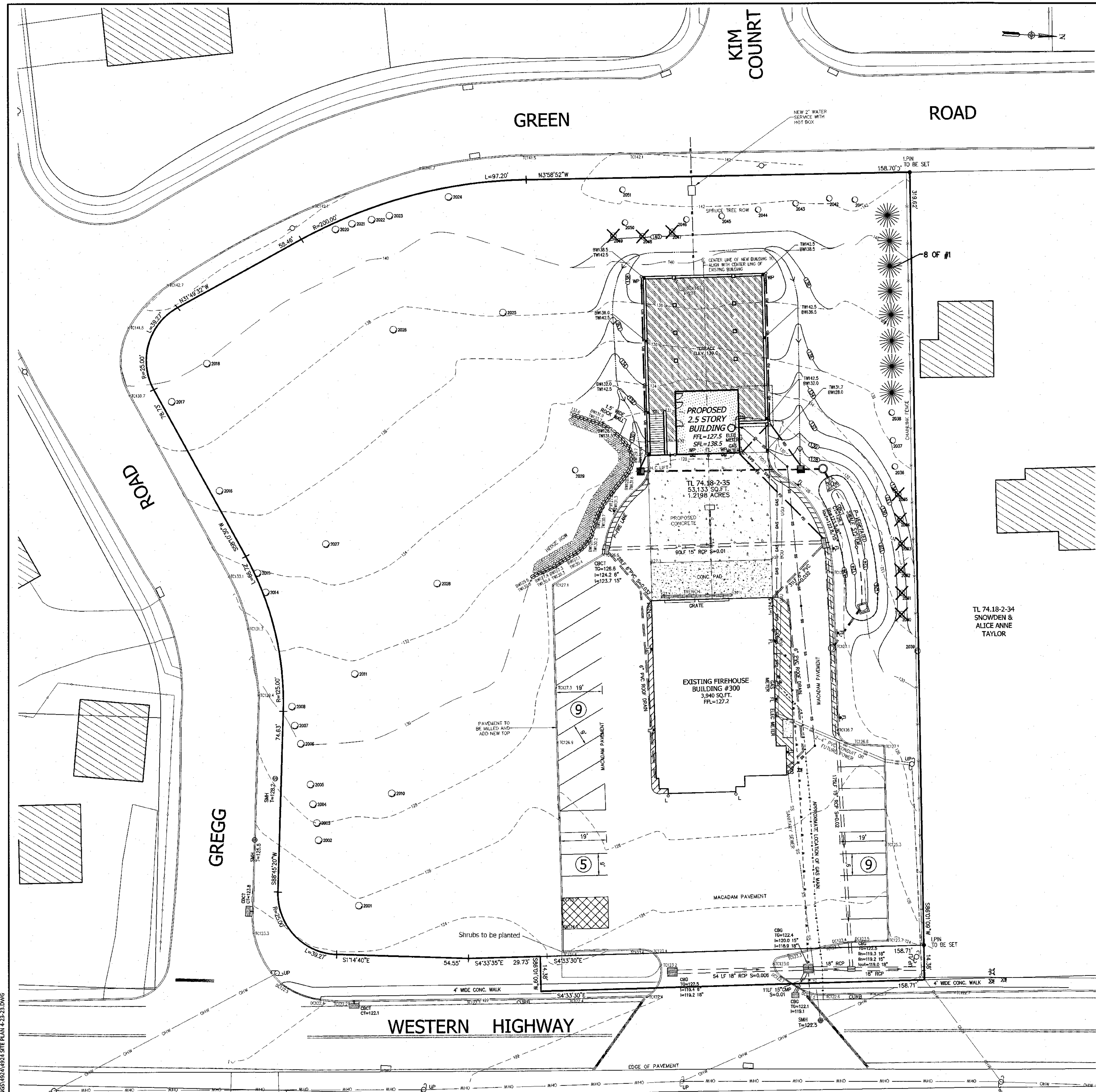
PROJECT: **TAPPAN FIRE DISTRICT**

TOWN OF ORANGETOWN
ROCKLAND COUNTY, NEW YORK

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 |

P:\DRAWINGS\626746024 SITE PLAN 4-23-23.DWG



PLANTING NOTES

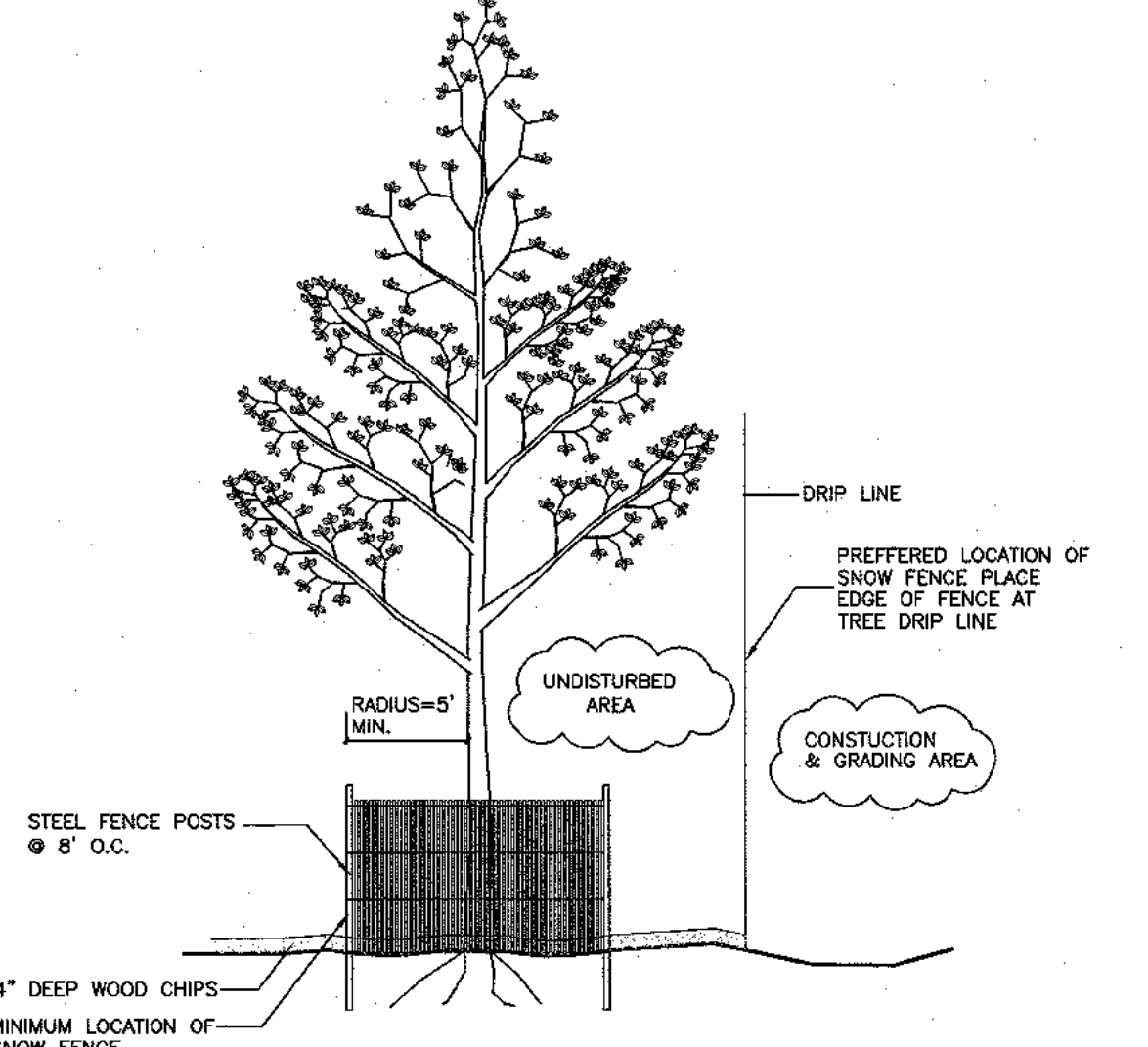
- ALL PLANTS SHALL BE NURSERY GROWN AND PLANTS AND WORKMANSHIP SHALL CONFORM TO THE AMERICAN ASSOCIATION OF NURSEMEN STANDARDS AND SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE AND AFTER PLANTING.
- ALL PLANTING SHALL BE PLACED UNDER THE DIRECTION OF THE LANDSCAPE ARCHITECT. GIVE 48 HOURS NOTICE BEFORE PLANTING.
- GUARANTEE ALL PLANTS AND WORKMANSHIP FOR A PERIOD OF TWO PLANTING SEASONS (ONE FULL YEAR).
- PLACE 4" OF TOPSOIL ON ALL LAWN AREAS AND 12" TOP SOIL IN ALL PLANTING BEDS.
- 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.
- 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.
- MULCH ALL PLANTS AND PLANTED AREAS WITH A 4" DEPTH OF SHREDDED PINE, OAK BARK.
- FERTILIZE AREAS BEFORE SEEDING OR SOODING WITH 15 LBS. PER 1000 SQUARE FEET OF 10-20-10 FERTILIZER OR APPROVED EQUIVALENT. REPEAT AFTER 8 WEEKS.
- LAWN AREAS SHALL BE SEEDED AT 5 LBS. PER 1000 SQUARE FEET WITH THE FOLLOWING SEED MIX: 40% JAMESTOWN CHEWINGS 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.
- 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.
- 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 6 FEET MINIMUM FROM THE TREE TRUNK.

LEGEND

- 362--- EXISTING 2' CONTOUR
- 360--- EXISTING 10' CONTOUR
- W--- EXISTING WATERLINE
- X--- EXISTING FIRE HYDRANT
- G--- EXISTING GAS LINE
- CB--- EXISTING CATCH BASIN
- S--- EXISTING STORM DRAIN LINE
- SMH--- EXISTING SEWER MANHOLE
- S--- EXISTING SEWER LINE
- 360.0--- EXISTING SPOT ELEVATION
- S--- EXISTING STONEWALL
- LP--- EXISTING LIGHT POLE
- LUP--- EXISTING UTILITY POLE

TREE LIST

| NO. | SIZE | TYPE | CONDITION |
|------|------|--------------|-----------|
| 2001 | 19" | 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 | 6" | 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 | 6" | FIR | GOOD |
| 2048 | 6" | FIR | GOOD |
| 2049 | 12" | FIR | GOOD |
| 2050 | 8" | FIR | GOOD |
| 2051 | 16" | ASH | GOOD |



- NOTES:**
- INSTALL SNOW FENCE TREE PROTECTION PRIOR TO ANY CLEARING OR EXCAVATION.
 - MAINTAIN SNOW FENCE FOR THE DURATION OF THE CONSTRUCTION PERIOD.

TREE PROTECTION DETAIL
N.T.S.

TREE LEGEND

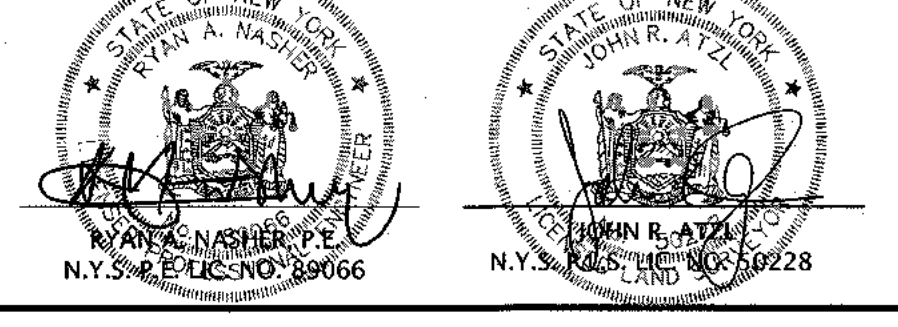
- EXISTING TREE
- TREE TO BE PRESERVED
- ✗ TREE TO BE REMOVED

PLANT LIST

| NO. & PLANT NAME | QUANTITY | SIZE & REMARKS |
|--|----------|----------------|
| 1. Abies Nordmanniana Caucasian Fir | 8 | 8-10" HL. 8.8B |

TOTAL AREA OF DISTURBANCE: 0.411 ACRE

THE EDUCATION LAW OF THE STATE OF NEW YORK PROVIDES THAT ANY PERSON PREPARING OR ASSISTING IN THE PREPARATION OF ANY MAP, PLAN, SPECIFICATION, OR REPORT OF ANY ENGINEER OR ARCHITECT SHALL BE SUBJECT TO THE PENALTIES PROVIDED IN SECTION 205 OF THE EDUCATION LAW. THE ENGINEER OR ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION CONTAINED HEREIN AND FOR THE PROTECTION OF THE PUBLIC INTEREST. ANY VIOLATION OF THIS SECTION SHALL BE CONSIDERED TO BE A VIOLATION OF THE EDUCATION LAW.



| 2 | 04-24-23 | PER PB COMMENTS 12-01-22 |
|----------|----------|---------------------------|
| 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) 634-5643
E-mail: info@anzny.com
Web: www.ANZNY.com

PROJECT: **TAPPAN FIRE DISTRICT**

TOWN OF ORANGETOWN
ROCKLAND COUNTY, NEW YORK

TITLE: **TREE PLAN**

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

