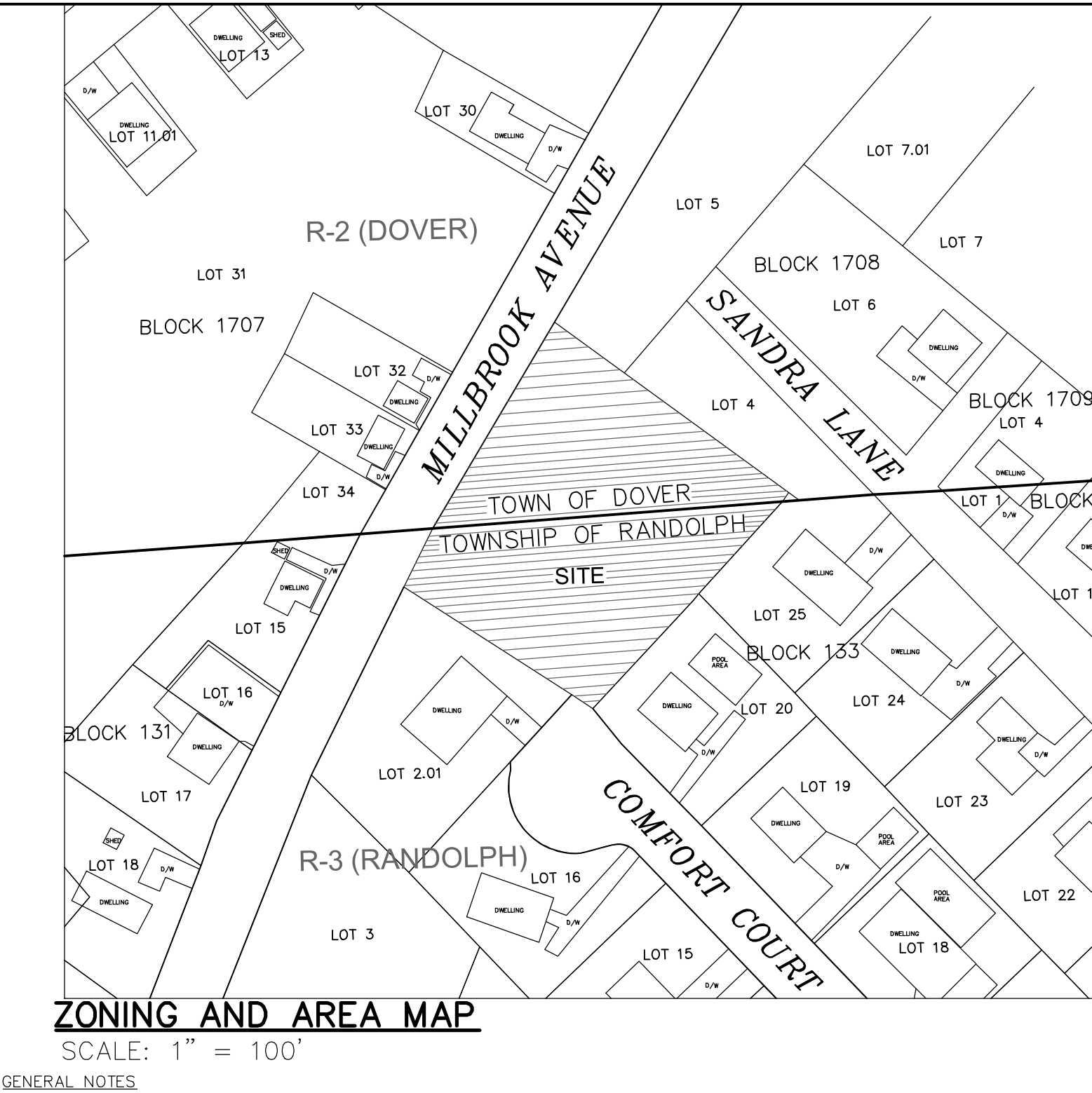
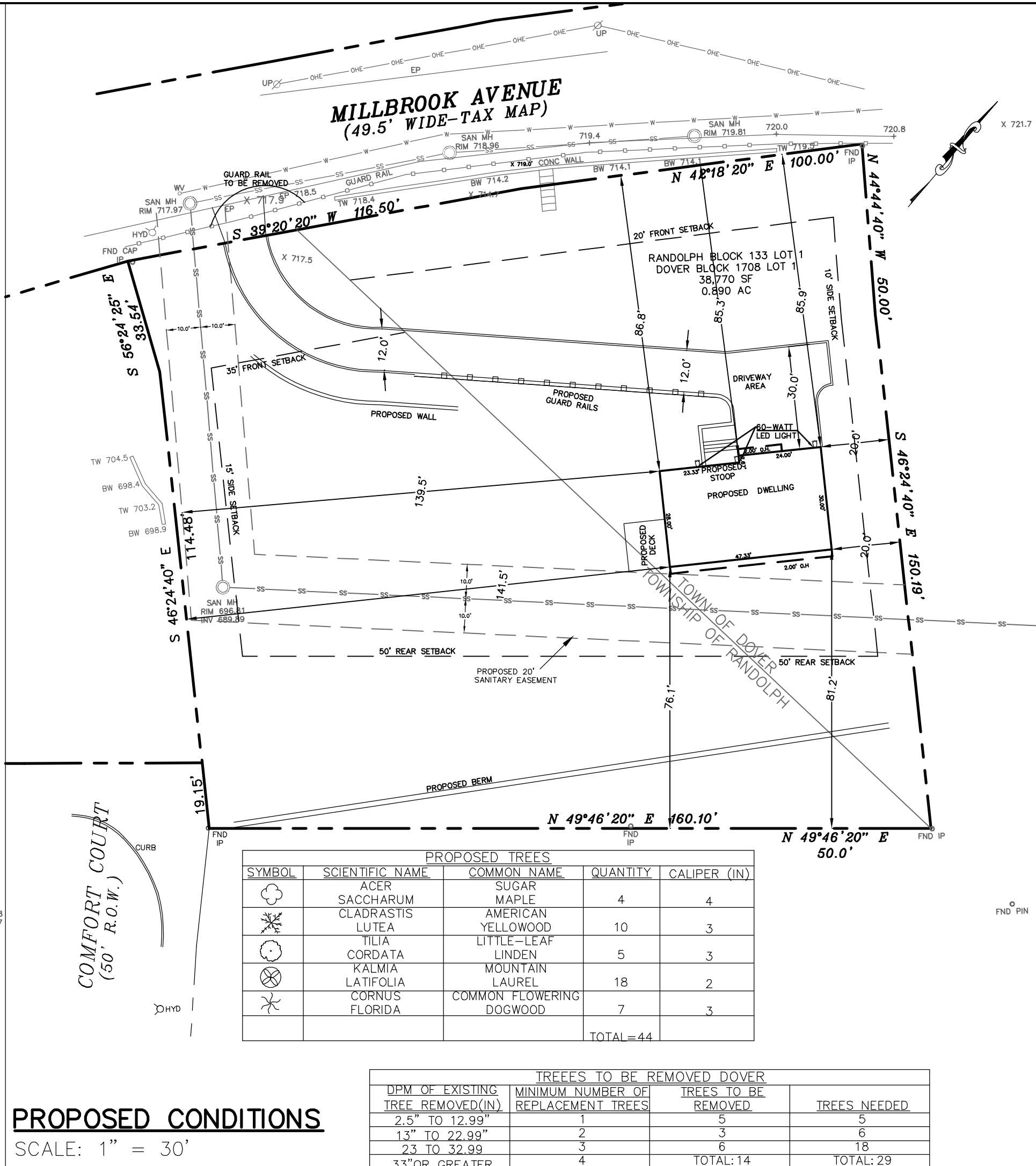
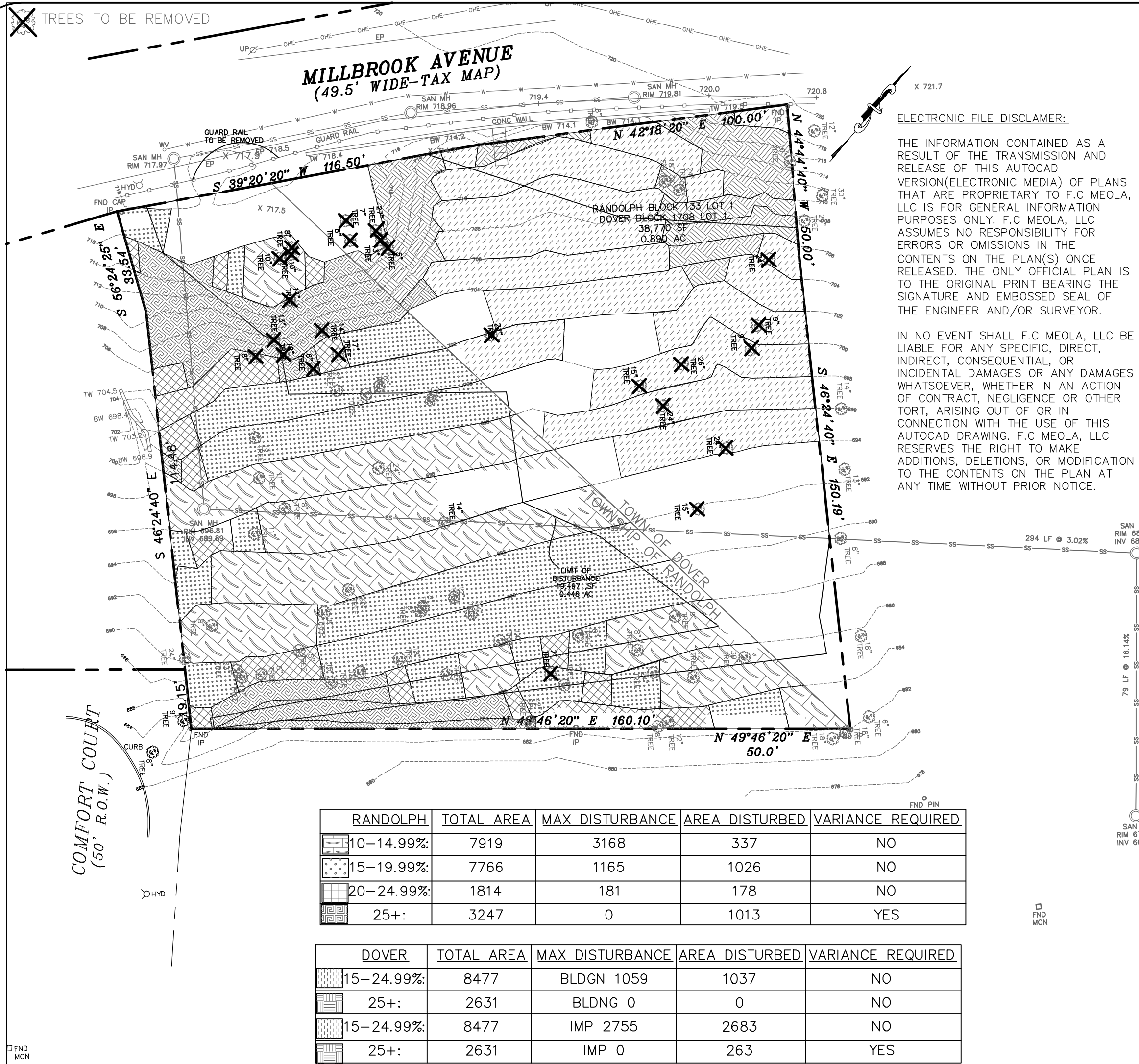
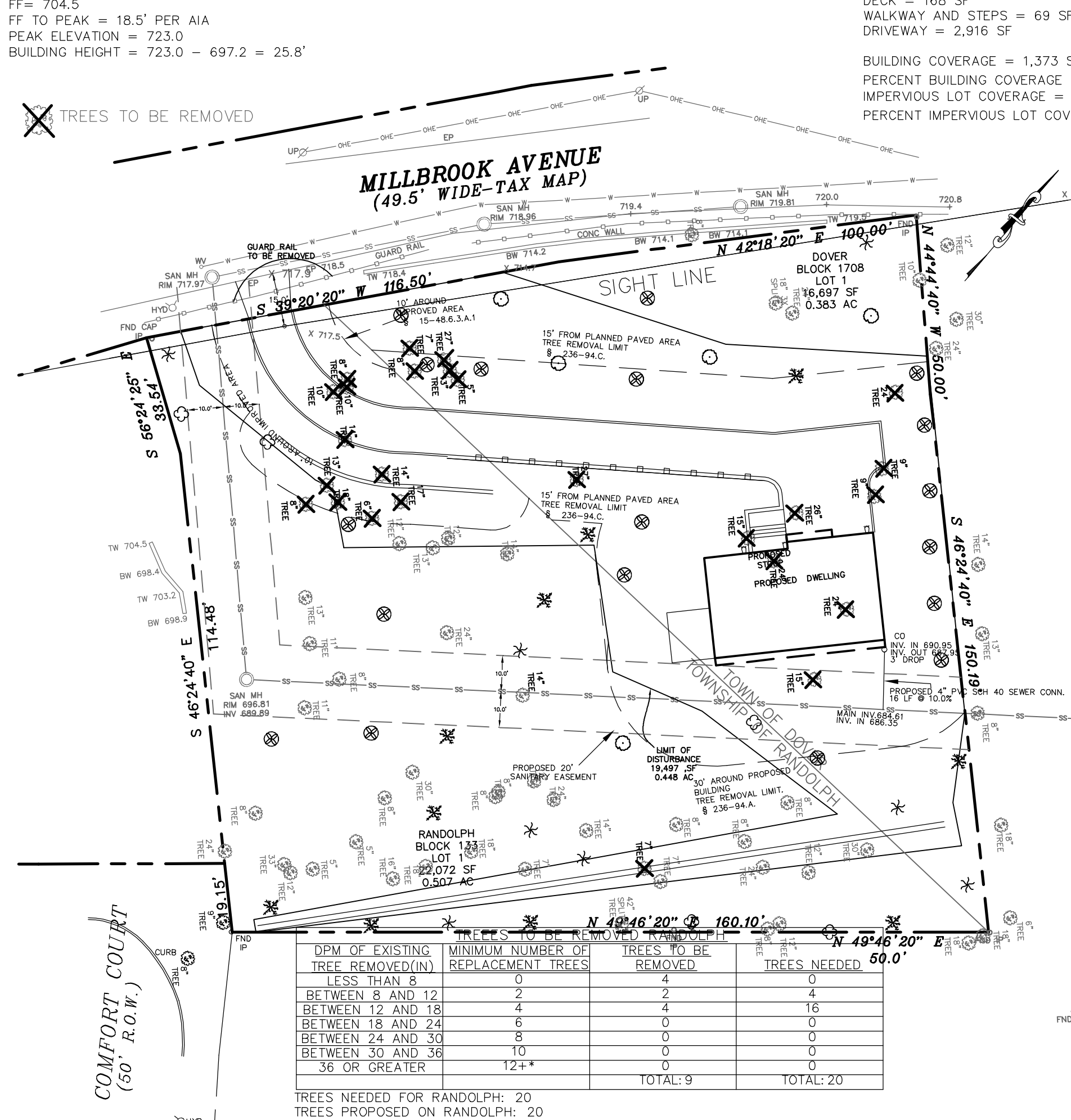
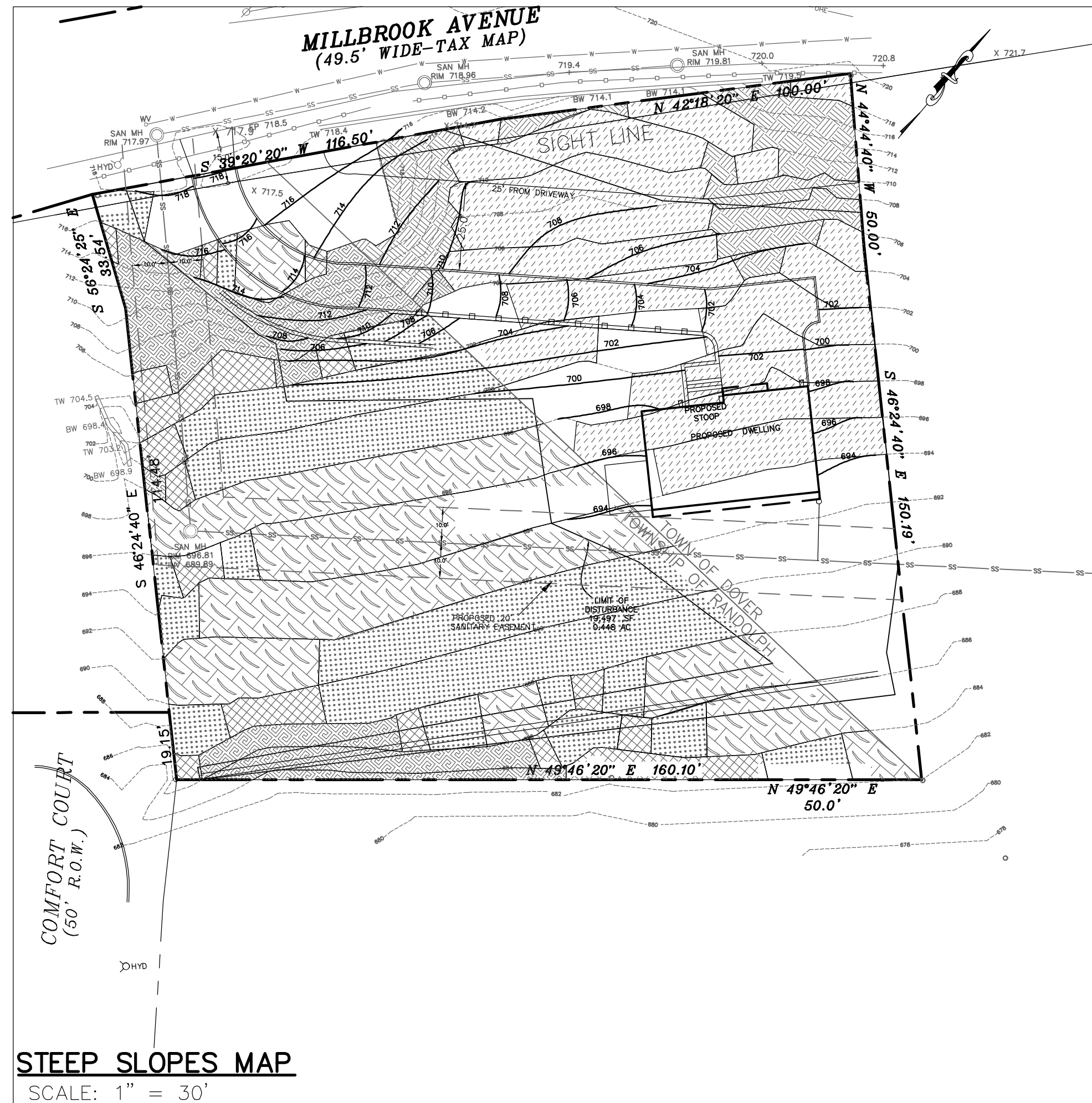




REV	DATE	DESCRIPTION
1	01/03/18	ORIGINAL
2	10/03/19	REVISED
3	04/12/21	REVISED
4	06/22/21	REVISED
5	01/26/22	REVISED
6	06/14/22	REVISED
7	07/11/22	REVISED
8	08/08/22	REVISED
9	11/20/23	REVISED
10	01/30/23	REVISED
11	02/12/23	REVISED
12	04/24/23	REVISED
13	05/12/23	REVISED
14	12/18/23	REVISED
15	02/18/26	REVISED
16	02/26/26	REVISED

FREDERICK C. MEOLA
LICENSED PROFESSIONAL ENGINEER AND LAND SURVEYOR
CERTIFICATE OF AUTHORIZATION : No. 24G428140200
28 WHIPPANY ROAD, WHIPPANY, NEW JERSEY
PHONE (973)538-8863 FAX (973)538-5715
FILE# 140211 N.J. LIC. # 22708



REQUIREMENT	REQUIRED /PERMITTED	EXISTING	PROPOSED LOT 1
LOT REQUIREMENTS			
AREA (SF)	15,000	38,770	38,770
FRONTAGE (FT)	100	216.50	216.50
DEPTH (FT)	150	186	186
PRINCIPLE STRUCTURES			
FRONT YARD (FT)	35	N/A	85.3
REAR YARD (FT)	50	N/A	76.1
SIDE YARD (FT)	15	N/A	20.0
2 SIDE YARDS (FT)	N/A	N/A	N/A
ACCESSORY STRUCTURES			
REAR YARD (FT)	20	N/A	N/A
SIDE YARD (FT)	15	N/A	N/A
MAXIMUM			
DENSITY	N/A	N/A	N/A
BUILDING COVERAGE (%)	20	N/A	3.5
FLOOR AREA RATIO	N/A	N/A	N/A
IMPERVIOUS COVERAGE (%)	N/A	N/A	11.8
HEIGHT (STORIES/FT)	2 1/2 / 35	N/A	1 1/2 / 25.8
MINIMUM DISTANCE BETWEEN BUILDINGS	N/A	N/A	N/A

*VARIANCE NEEDED

REQUIRED EASEMENTS
20' WIDE SANITARY SEWER

ZONING SCHEDULE
ZONE : R-2 (DOVER)
(RESIDENTIAL ZONE - SINGLE FAMILY)

REQUIREMENT	REQUIRED /PERMITTED	EXISTING	PROPOSED
MINIMUM LOT SIZE			
AREA (SF)	5,000	38,770	38,770
WIDTH (FT)	50	216.50	216.5
PRINCIPLE BUILDINGS			
FRONT YARD (FT)	20	N/A	85.3
REAR YARD (FT)	30	N/A	76.1
SIDE YARD (FT)	10	N/A	20.0
TWO SIDE YARDS (FT)	17	N/A	159.5
LOT COVERAGE (%/SF)	65 / 4,300	N/A	11.8/ 4,595*
BUILDING COVERAGE (%)	25	N/A	3.5
BUILDING HEIGHT (STORIES/FT)	2 1/2 / 30	N/A	1 1/2 / 25.8
MINIMUM GROSS FIRST FLOOR AREA (SF)	800	N/A	1478
FLOOR AREA RATIO (FAR)	0.55	N/A	0.04

TAX MAP DATA

TOWN OF DOVER BLOCK 1708 LOT 1

TOWNSHIP OF RANDOLPH BLOCK 133 LOT 1

OWNER AND APPLICANT

ANTONIO POCCIA, JR.
40 BROOKSTONE DR.
MORRIS PLAINS, NJ 07950
(973) 222 - 4262

APPLICANT _____ DATE _____

CHAIRMAN _____ DATE _____

SECRETARY _____ DATE _____

TOWN ENGINEER _____ DATE _____

#86 MILLBROOK AVE
SITE PLAN
BLOCK 1708 LOT 1
TOWN OF DOVER
MORRIS COUNTY, NEW JERSEY

BLOCK 133 LOT 1
TOWNSHIP OF RANDOLPH
MORRIS COUNTY, NEW JERSEY

FCMeola Engineering & Land Surveying

OWNER AND APPLICANT

ANTONIO POCCIA, JR.
40 BROOKSTONE DR.
MORRIS PLAINS, NJ 07950

#86 MILLBROOK AVE
EXISTING AND PROPOSED CONDITION
BLOCK 1708 LOT 1
TOWN OF DOVER
MORRIS COUNTY, NEW JERSEY

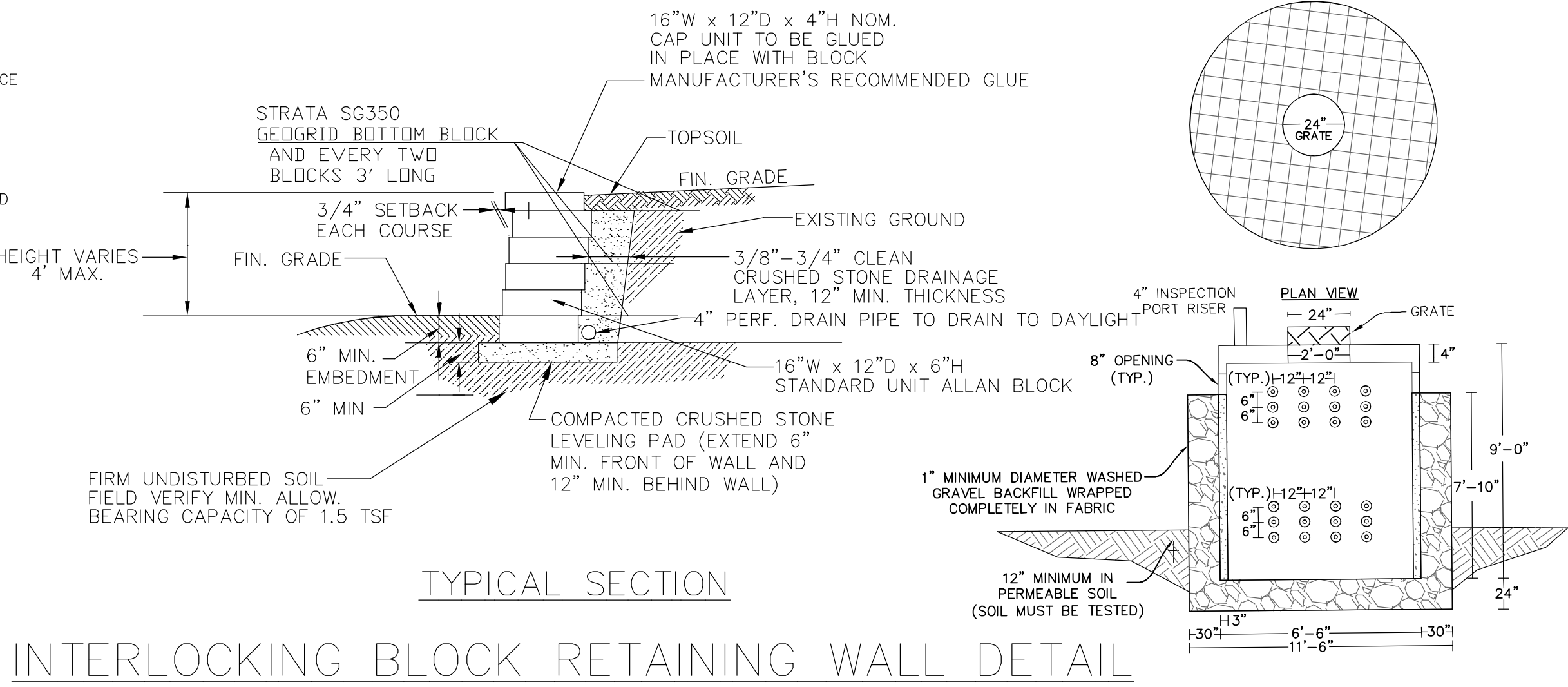
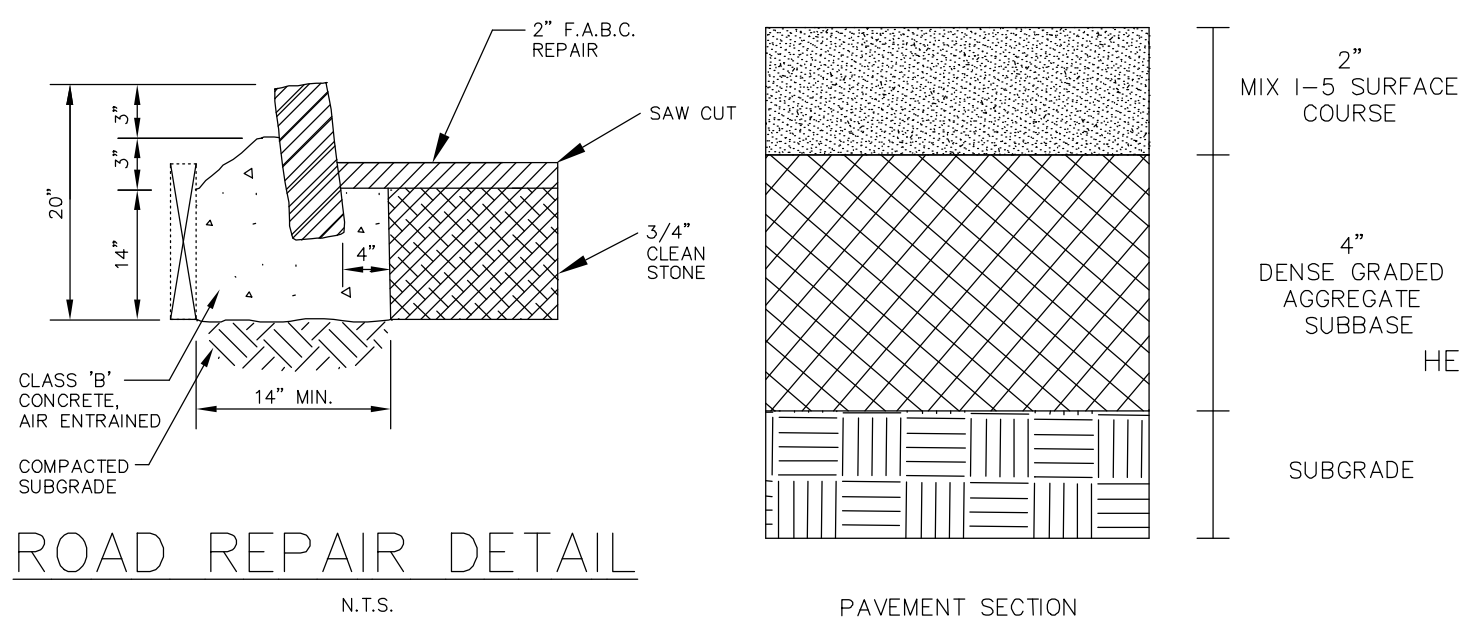
BLOCK 133 LOT 1
TOWNSHIP OF RANDOLPH
MORRIS COUNTY, NEW JERSEY

FILE NUMBER	CD	FIELD BOOK
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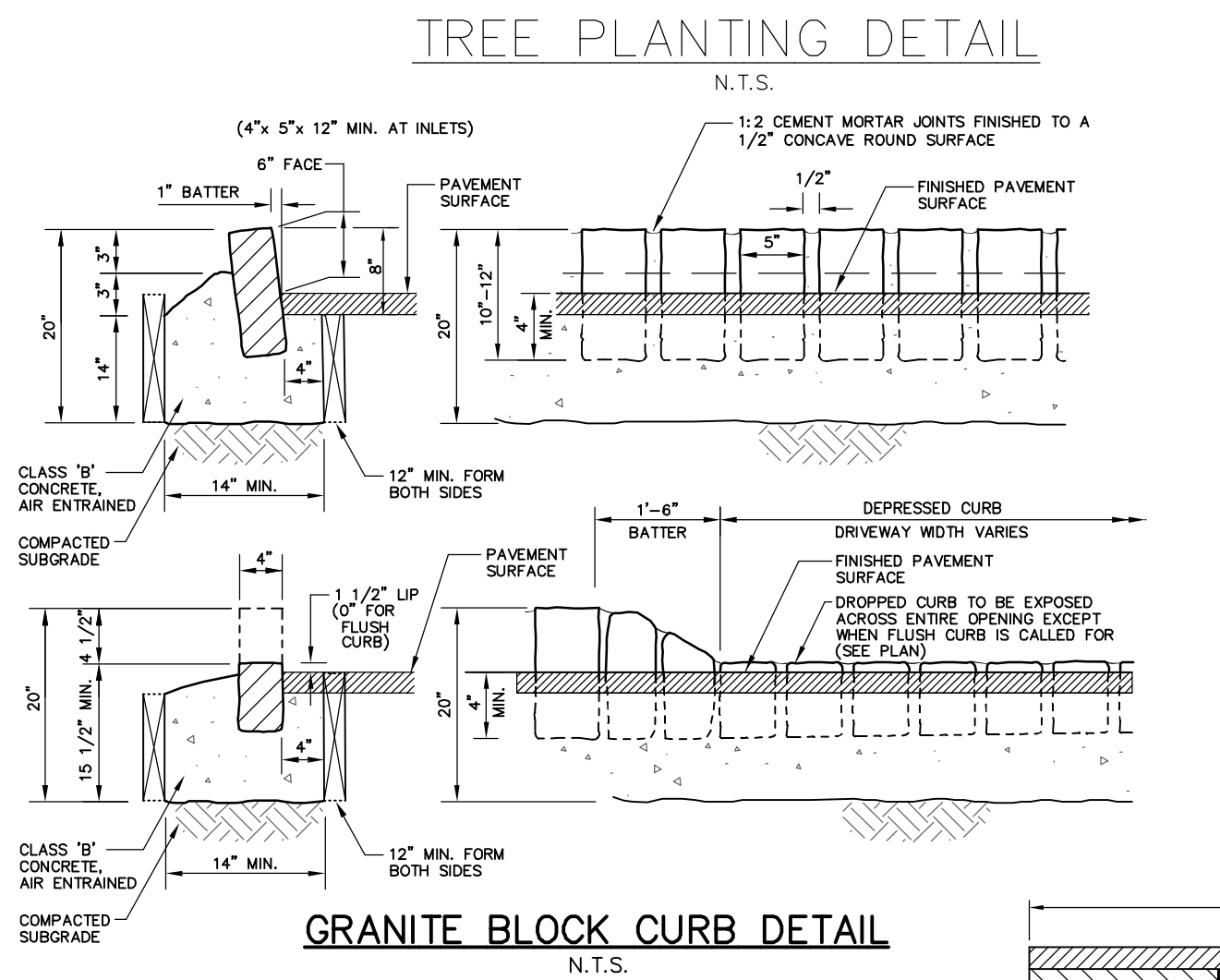
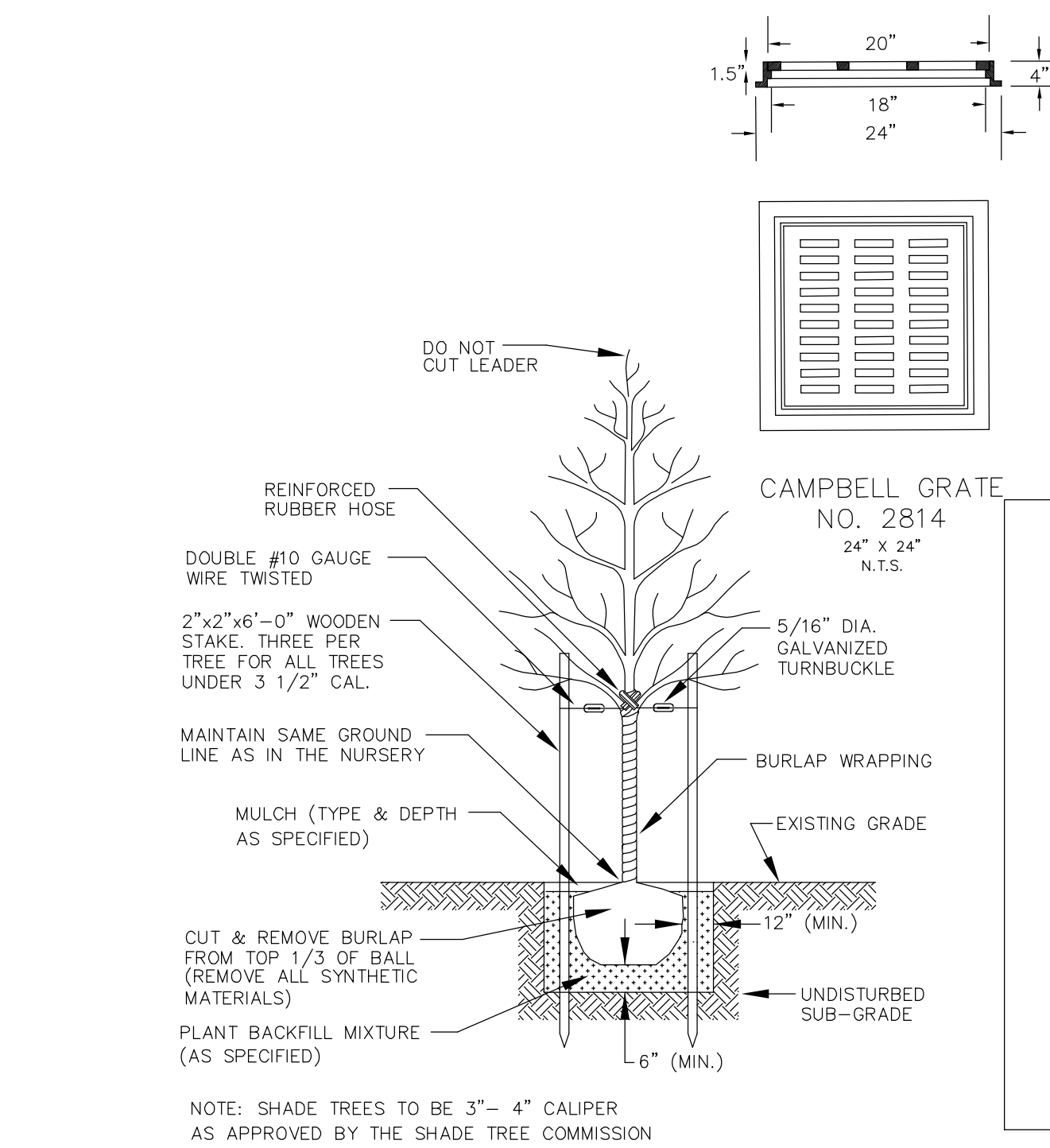
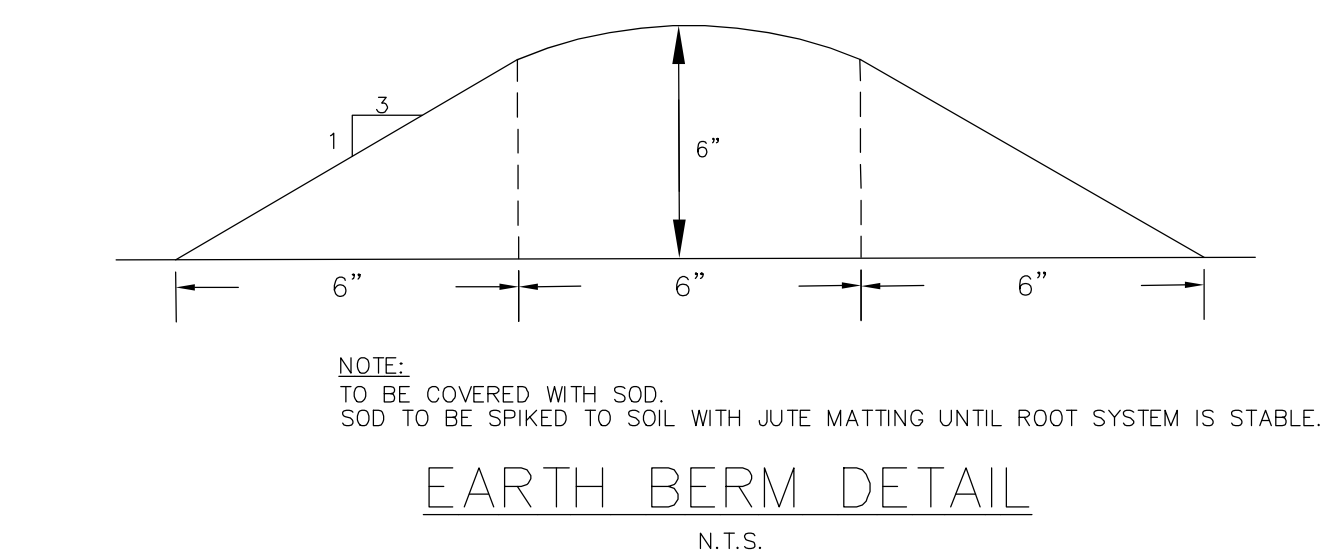
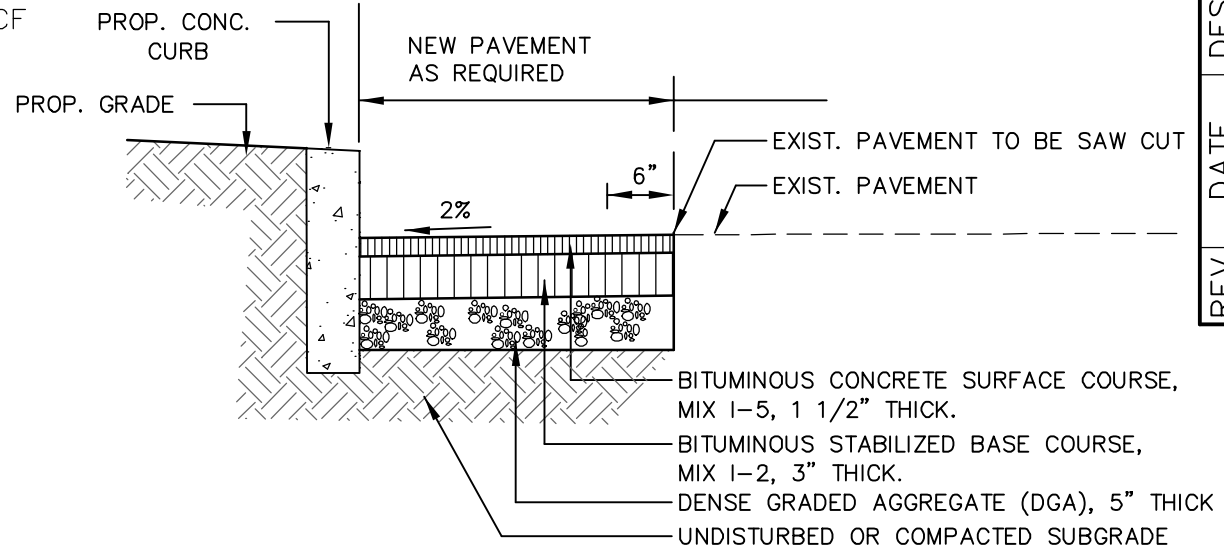
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LATEST REV.	AS SHOWN	RAC

PAGE _____

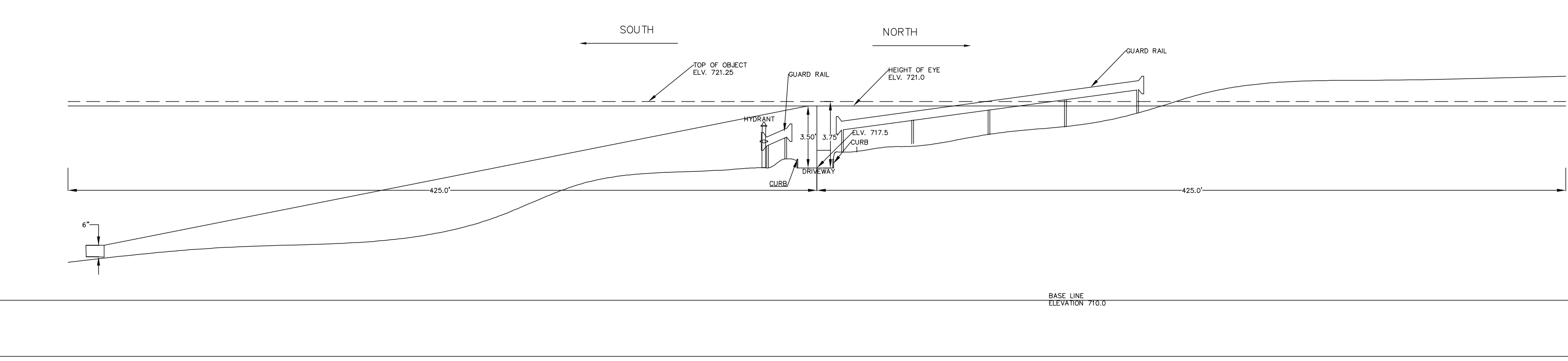
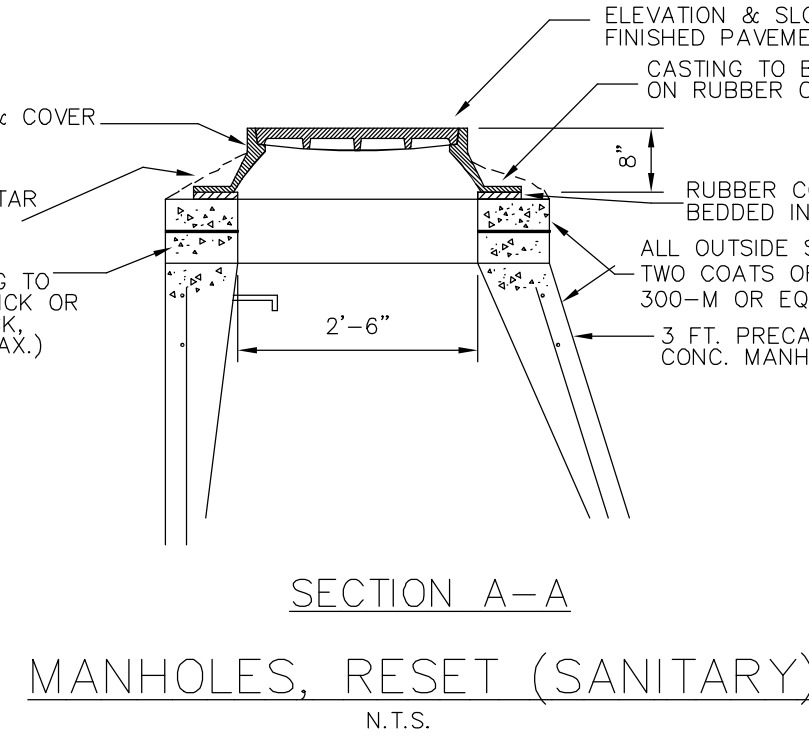
1 of 4



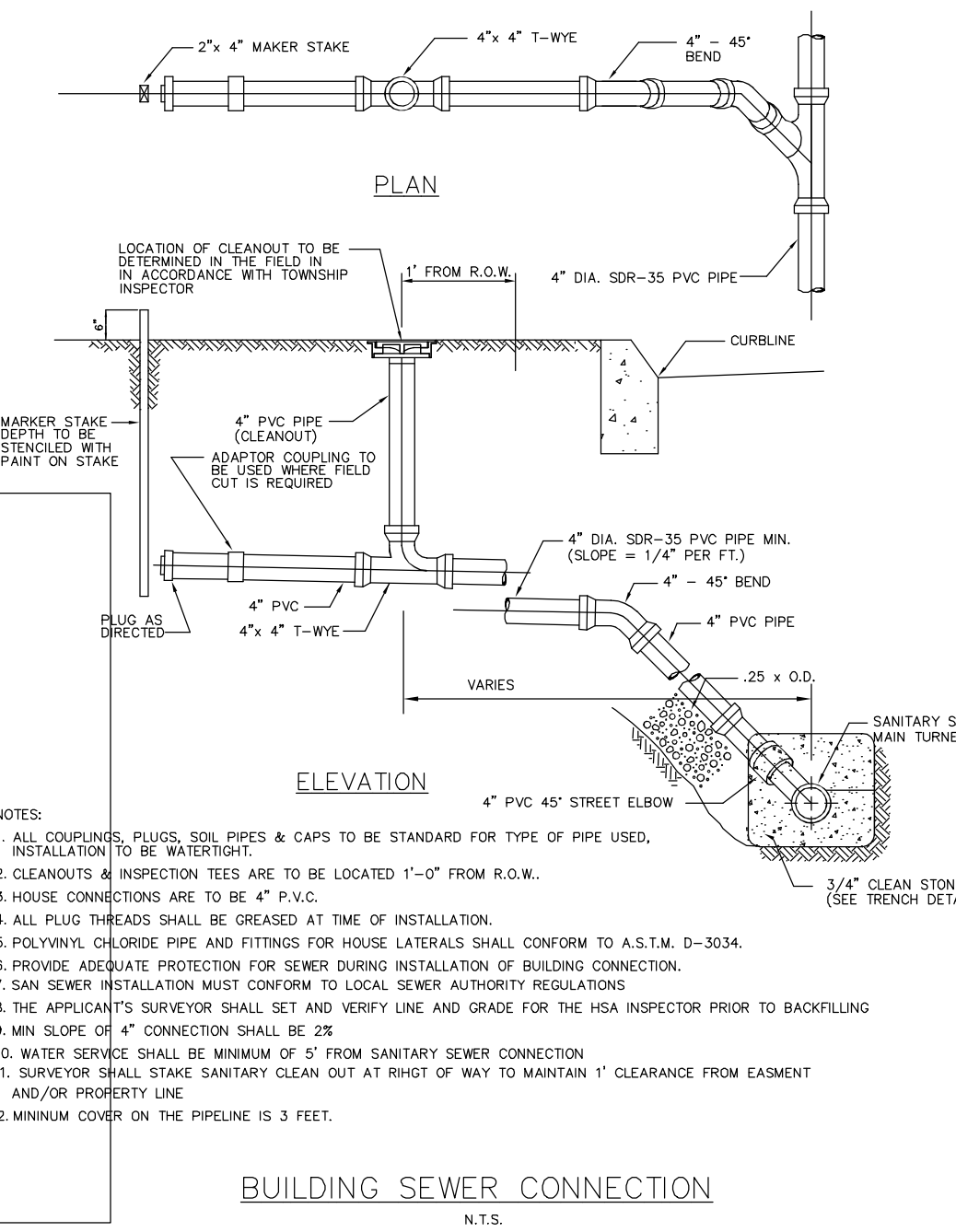
DRYWELL NOTES:
 1. SEEPAGE PIT/DRYWELL TO BE PROTECTED FROM SILT/SEDIMENT BY GRADING RUNOFF AWAY FROM DRYWELL DURING CONSTRUCTION. PROVIDE FILTER FABRIC ON DRYWELLS DURING CONSTRUCTION TO PREVENT MALFUNCTIONING DUE TO ACCUMULATION OF SEDIMENT AT THE BOTTOM AND SIDES OF THE DRYWELL.
 2. PEERLESS CONCRETE PRODUCTS CO. IS THE MANUFACTURER FOR THE PRECAST TANK.
 3. SOIL TEST TO BE PERFORMED PRIOR TO INSTALLATION OR CONSTRUCTION OF SEEPAGE PITS. DESIGN ENGINEER MUST BE NOTIFY 72 HOURS IN ADVANCE FOR SOIL TEST.
 DRY-WELL CALCULATIONS RANDOLPH LOT
 AREA DIVERTED TO DRYWELL (IMPERVIOUS) = 4,397 SF
 STORAGE REQUIRED = 4,397 SF x 0.25 FT = 1,099.25 CF
 6.5' DIAMETER RING = 33.18 SF
 DRYWELL STORAGE VOLUME = 28.27 SF * 7.83 FT = 221.35 CF
 STONE VOLUME AROUND DRYWELL = 99.07 SF * 7.83 FT = 775.71 CF
 STONE VOLUME UNDER DRYWELL = 132.25 SF * 2.0 FT = 264.5 CF
 STONE STORAGE = (775.71 + 264.5) * 0.40 VOIDS = 416.08 CF
 TOTAL STORAGE = 221.35 + 416.08 = 637.43 CF
 637.43 CF * 2 = 1,274.86 CF
 STORAGE PROVIDED IS OK
 NOTE: SOIL PERMEABILITY TEST TO BE PERFORMED PRIOR TO INSTALLATION OF SEEPAGE PITS. NOTIFY DESIGN ENGINEER 72 HRS IN ADVANCE. DESIGN SUBJECT TO MODIFICATION BASED ON SOIL PERMEABILITY.



TYPICAL SECTION
INTERLOCKING BLOCK RETAINING WALL DETAIL



TYPICAL PAVEMENT REPAIR



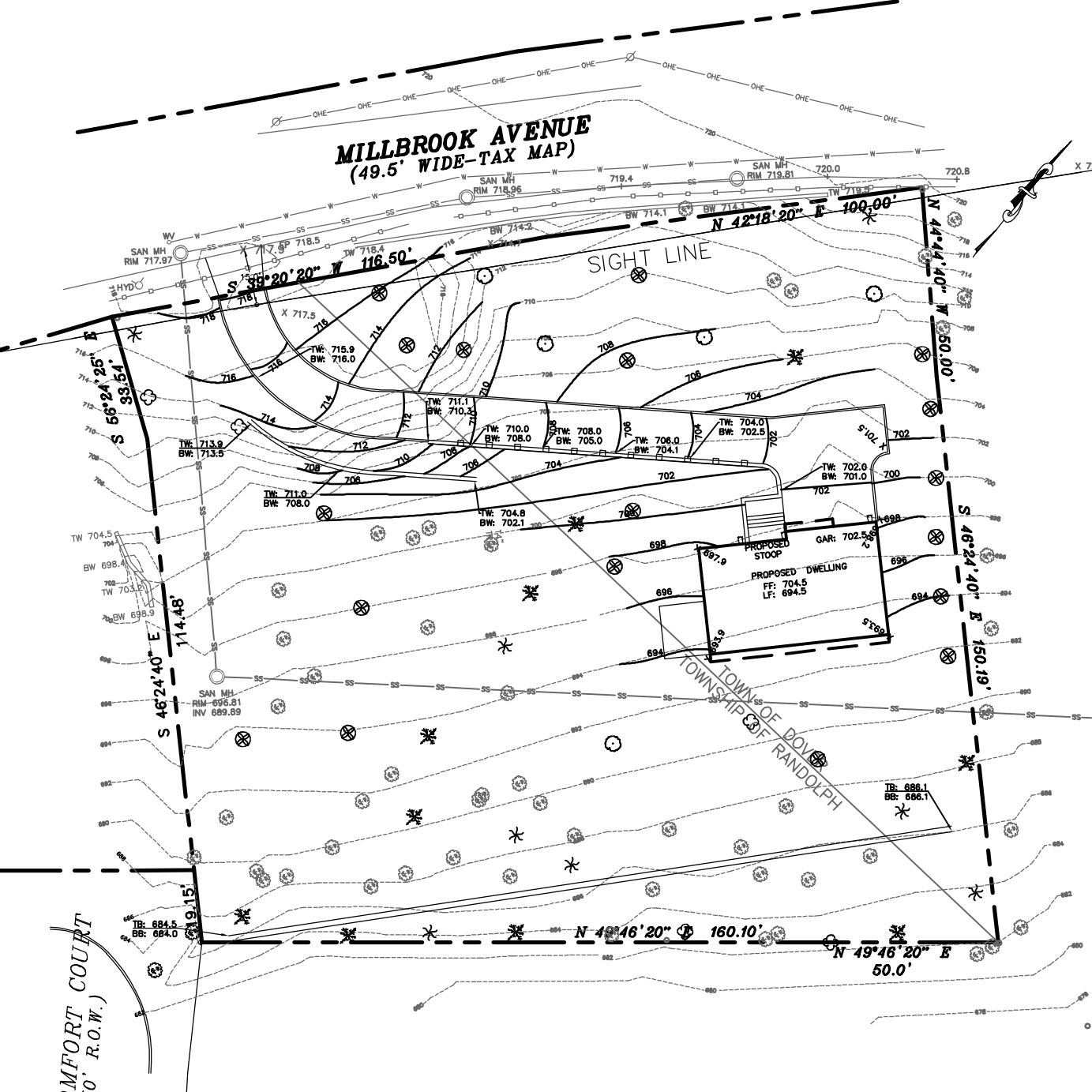
HORIZONTAL SCALE: 1" = 50'
 HVERTICAL SCALE: 1" = 50'

SIGHT DISTANCE

SIGHT MAP

SCALE: 1" = 40'

GRAPHIC SCALE: 1" = 40'



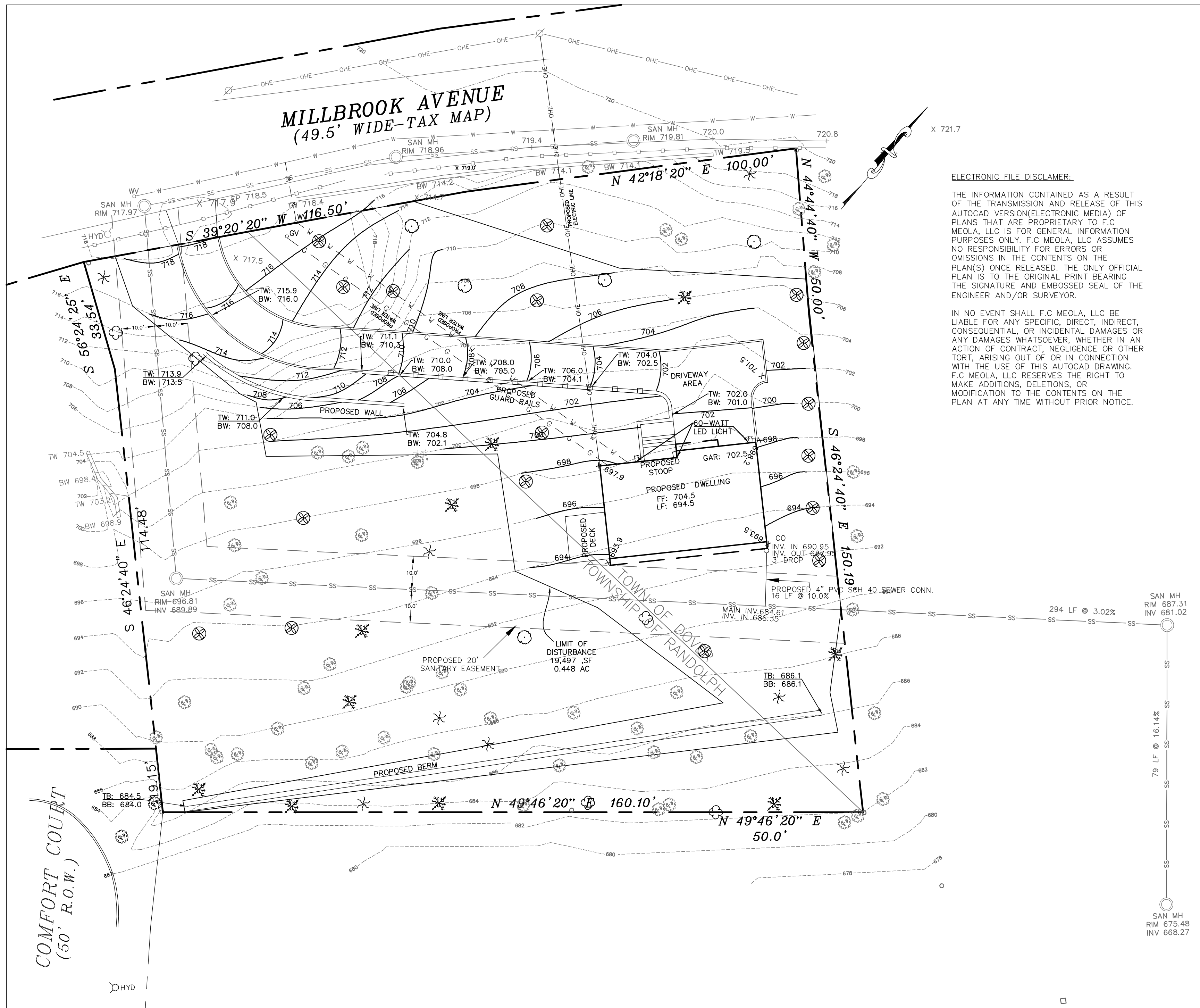
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OWNER AND APPLICANT
 ANTONIO POCCIA, JR.
 40 BROOKSTONE DR.
 MORRIS PLAINS, NJ 07950

#86 MILLBROOK AVE
DETAILS
 BLOCK 1708 LOT 1
 TOWN OF DOVER
 MORRIS COUNTY, NEW JERSEY
 BLOCK 133 LOT 1
 TOWNSHIP OF RANDOLPH
 MORRIS COUNTY, NEW JERSEY

FILE NUMBER	CD	FIELD BOOK
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PAGE		

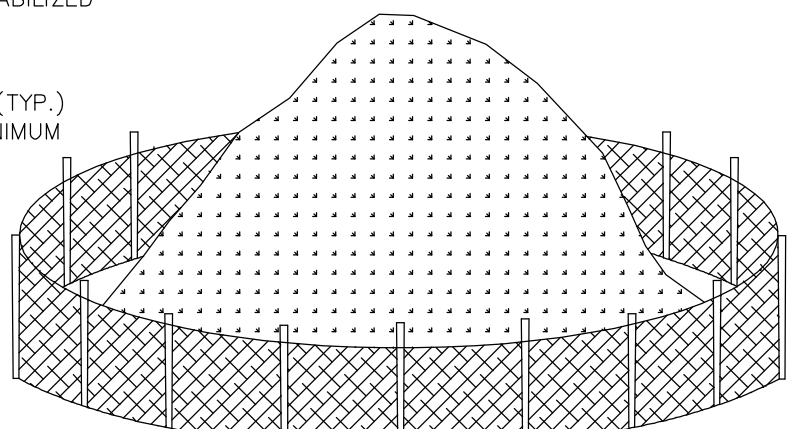


PROPOSED GRADING & DRAINAGE



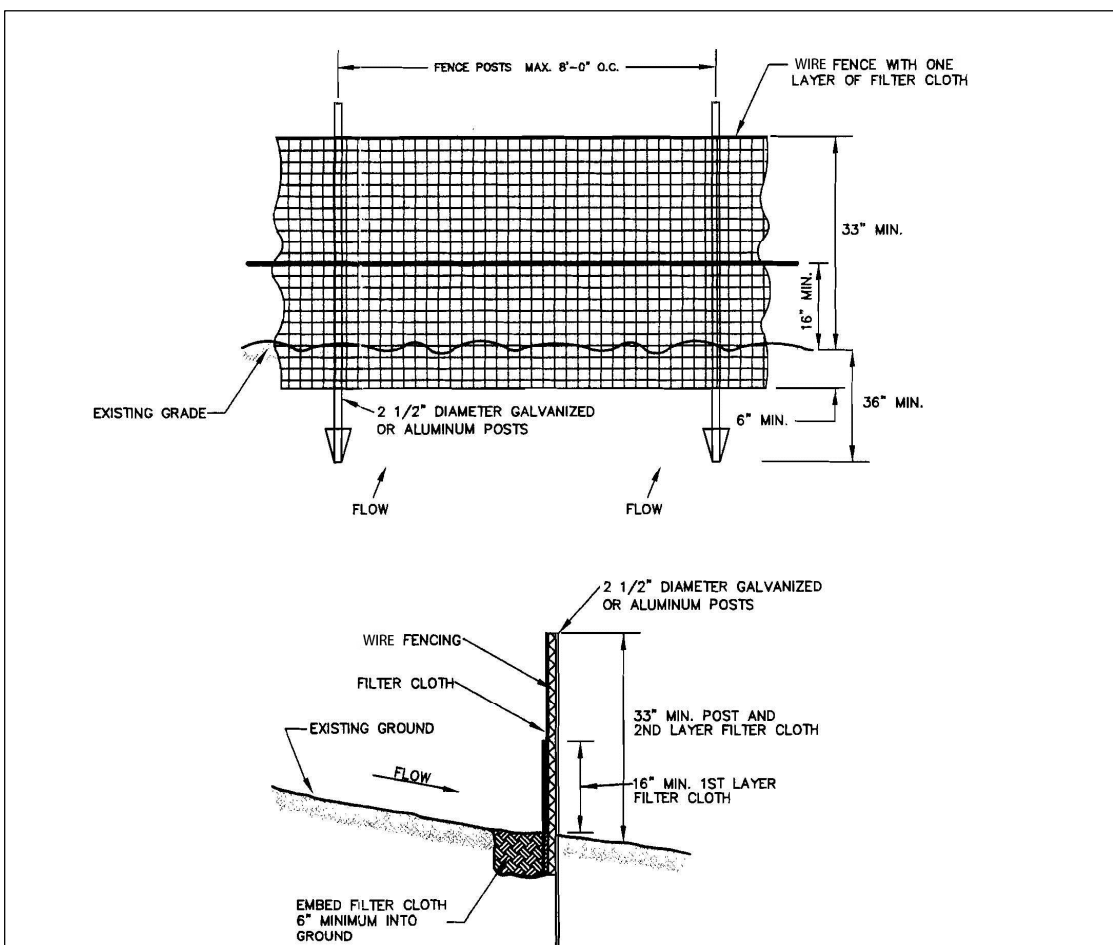
- SEQUENCE OF CONSTRUCTION
- | DEVICES | WEEKS |
|--|-------|
| 1. INSTALL SOIL EROSION AND SEDIMENT CONTROL | 1 |
| 2. DEMOLITION OF EXISTING DAMAGED DWELLING | 1 |
| 3. ROUGH GRADE SITE | 3 |
| 4. CONSTRUCT UTILITIES AND FOUNDATION | 12 |
| 5. CONSTRUCT DWELLING | 25 |
| 6. FINAL GRADE SITE, INSTALL LANDSCAPING | 2 |
| 7. PERMANENT SEED ALL AREAS | 2 |
| 8. REMOVE SOIL EROSION CONTROL DEVICES WHEN SITE IS STABILIZED | 1 |

SILT FENCE (TYP.)
2" HIGH MINIMUM



1. AN ON-SITE DRAINAGE SWALE SHALL BE LOCATED BETWEEN THE TOPSOIL STOCKPILE AND OFF-SITE PROPERTY.
2. REFERENCE IS MADE TO THE SILT FENCE DETAIL FOR MATERIALS AND INSTALATION METHODS.
3. IF THE STOCKPILE IS TO REMAIN FOR MORE THAN 14 DAYS, IT SHALL BE STABILIZED WITH A BURLAP MATTING OR SEEDED WITHIN DAYS OF COMPLETION TO MINIMIZE EROSION.
4. INSPECTION OF SILT FENCES SHALL BE ATLEAST ONCE PER WEEK AND AFTER RAIN EVENTS IN EXCESS OF 1/2". REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. SEDIMENT TRAPPED BY THE FENCES SHALL BE REMOVED AND PROPERLY DISPOSED OF WHENEVER SIGNIFICANT ACCUMULATION OCCURS.

REFER TO STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY - 3.9.1



SUPER SILT FENCE

NOT TO SCALE

STANDARD DUST CONTROL NOTES

DEFINITION- The control of dust on construction sites and roads.

PURPOSE- To prevent blowing and movement of dust from exposed soil surfaces, reduce on and off-site damage and health hazards, and improve traffic safety.

WHERE APPLICABLE- This practice is applicable to areas subject to dust blowing and movement where on- and off-site damage is likely without treatment. Consult with local municipal ordinances on any restrictions.

WATER QUALITY ENHANCEMENT

Sediments deposited as "dust" are often fine colloidal material which is extremely difficult to remove from water once it becomes suspended. Use of this standard will help to control the generation of dust from construction sites and subsequent blowing and deposition into local surface water resources.

PLANNING CRITERIA- The following methods should be considered for controlling dust:

Mulches: See Standards for Stabilization with mulches Only (pg. 5-1)

Vegetative Cover: See Standards for Temporary Vegetative Cover (pg. 7-1), Permanent Vegetative Cover (pg. 4-1) and Permanent Stabilization with Sod (pg. 6-1)

Spray-on Adhesives: On mineral soils (not effective on muck soils). Keep traffic off these areas.

	Water Dilution	Type of Nozzle	Gal./Acre
Anionic asphalt emulsion	7:1	Coarse Spray	1,200
Latex Emulsion	12.5:1	Fine Spray	235
Resin in Water	4:1	Fine Spray	300

Polyacrylamide (PAM) - spray on Polyacrylamide (PAM) dry spread

Acidulated Soy Bean Soap Stick

Illages: To roughen surface and bring clods to the surface. This is a temporary emergency measure which should be used before soil blowing starts. Begin plowing on windward side of site. Chisel-Type plows spaced about 12 inches apart, and spring-toothed harrows are examples of equipment which may produce the desired effect.

Sprinkling: Site is sprinkled until the surface is wet.

Barriers: Solid board fences, snow fences, burlap fences, crate walls, bales of hay, and similar material can be used to control air currents and soil blowing.

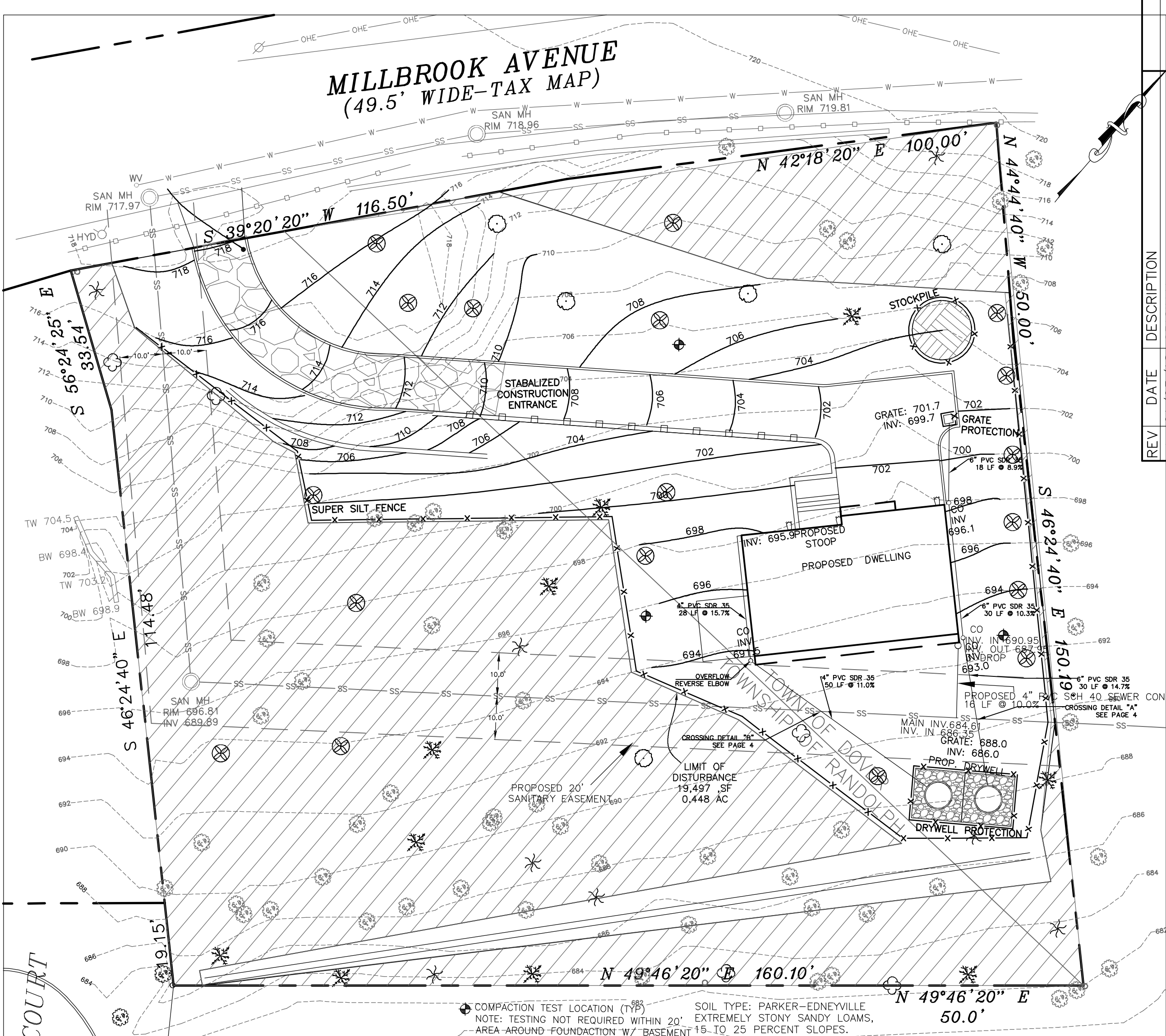
Calcium Chloride: Shall be in the form of loose, dry granules of flakes fine enough to feed through commonly used spreaders at a rate that will keep surface moist but not cause pollution or plant damage. If used on steeper slopes, then use other practices to prevent washing into streams or accumulation around plants.

Stones: Cover surface with crushed stone or coarse gravel.

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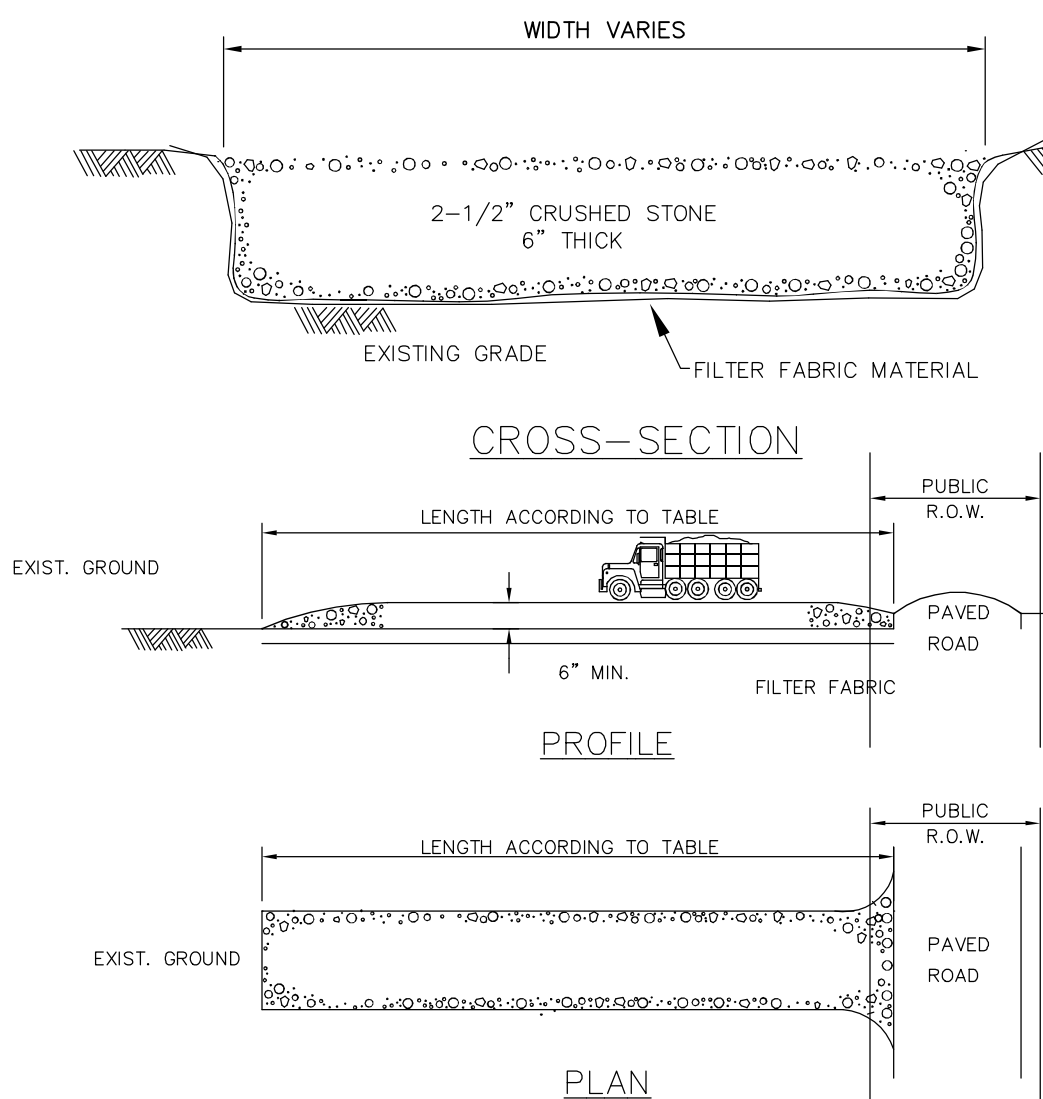
SOIL EROSION AND SEDIMENT CONTROL

SCALE: 1" = 20'

MORRIS COUNTY SOIL CONSERVATION DISTRICT
SOIL EROSION AND SEDIMENT CONTROL NOTES

1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY, AND WILL BE IN PLACE PRIOR TO ANY MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
2. ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN THIRTY (30) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREA WILL BE MULCHED WITH STRAW OR HAY AND TACKED IN ACCORDANCE WITH THE NEW JERSEY STANDARDS. SEE NOTE 22 BELOW.
3. PERMANENT VEGETATION IS TO BE ESTABLISHED ON EXPOSED AREAS WITHIN TEN (10) DAYS AFTER THE FINAL GRADING. MULCH IS TO BE USED FOR PROTECTION UNTIL VEGETATION IS ESTABLISHED. SEE NOTE 21 BELOW.
4. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS (STEEP SLOPES, ANDY SOILS, WET CONDITIONS) SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN ACCORDANCE WITH NOTE 21 BELOW.
5. TEMPORARY DIVERSION BERMS ARE TO BE INSTALLED ON ALL CLEARED ROADWAYS AND EASEMENT AREAS. SEE THE DIVERSION DETAIL.
6. PERMANENT SEEDING AND STABILIZATION IS TO BE IN ACCORDANCE WITH THE "STANDARDS FOR PERMANENT COVER FOR SOIL STABILIZATION COVER." SPECIFIED RATES AND LOCATIONS SHALL BE ON THE APPROVED SOIL EROSION AND SEDIMENT CONTROL PLAN.
7. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SO THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
8. ALL SEDIMENTATION STRUCTURES (SILT FENCE, INLET FILTERS, AND SEDIMENT BASINS) WILL BE INSPECTED AND MAINTAINED DAILY.
9. STOCKPILES SHALL NOT BE LOCATED WITHIN 50 FEET OF A FLOOD PLAIN, SLOPE, DRAINAGE FACILITY, OR ROADWAY. ALL STOCKPILE BASES SHALL HAVE A SILT FENCE PROPERLY ENTRENCHED AT THE TOE OF THE SLOPE.
10. A STABILIZATION CONSTRUCTION ACCESS WILL BE INSTALLED, WHENEVER AN EARTHEN ROAD INTERSECTS WITH A PAVED ROAD. SEE THE STABILIZED CONSTRUCTION ACCESS DETAIL AND CHART FOR DIMENSIONS.
11. ALL NEW ROADWAYS WILL BE TREATED WITH SUITABLE SUBBASE UPON ESTABLISHMENT OF FINAL GRADE ELEVATIONS.
12. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
13. BEFORE DISCHARGE POINTS BECOME OPERATIONAL, ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED AS REQUIRED.
14. ALL DEWATERING OPERATIONS MUST BE DISCHARGED DIRECTLY INTO A SEDIMENT FILTER AREA. THE FILTER SHOULD BE COMPOSED OF A FABRIC OR APPROVED MATERIAL.
15. ALL SEDIMENT BASINS WILL BE CLEANED WHEN THE CAPACITY HAS BEEN REDUCED BY 50%. A CLEAN OUT ELEVATION WILL BE IDENTIFIED ON THE PLAN AND A MARKER INSTALLED ON THE SITE.
16. DURING AND AFTER CONSTRUCTION, THE APPLICANT WILL BE RESPONSIBLE FOR THE MAINTENANCE AND UPKEEP OF THE DRAINAGE STRUCTURES, VEGETATION COVER, AND ANY OTHER MEASURES DEEMED APPROPRIATE BY THE DISTRICT. SAID RESPONSIBILITIES WILL END WHEN COMPLETED WORK IS APPROVED BY THE MORRIS COUNTY SOIL CONSERVATION DISTRICT.
17. ALL TREES OUTSIDE THE DISTURBANCE LIMIT INDICATED ON THE SUBJECT PLAN OR THOSE TREES WITHIN THE DISTURBANCE AREA WHICH ARE DESIGNATED TO REMAIN AFTER CONSTRUCTION ARE TO BE PROTECTED WITH TREE PROTECTION DEVICES.
18. THE MORRIS COUNTY SOIL CONSERVATION DISTRICT MAY REQUEST ADDITIONAL MEASURES TO MINIMIZE ON SITE OR OFF SITE EROSION PROBLEMS DURING CONSTRUCTION.
19. THE MORRIS COUNTY SOIL CONSERVATION DISTRICT MUST BE NOTIFIED, IN WRITING, AT LEAST 72 HOURS PRIOR TO ANY LAND DISTURBANCE, AND A PRE-CONSTRUCTION MEETING HELD.
20. TOPSOIL STOCKPILE PROTECTION
 - a. APPLY GROUND LIMESTONE AT A RATE OF 90 lbs. PER 1000 sf.
 - b. APPLY FERTILIZER (10-20-10) AT A RATE OF 11 lbs. PER 1000 sf.
 - c. APPLY PERENNIAL RYE GRASS SEED AT 1 lb. PER 1000 sf. AND ANNUAL RYE GRASS AT 1 lb. PER 1000 sf.
 - d. MULCH STOCKPILE WITH STRAW OR HAY AT A RATE OF 90 lbs. PER 1000 sf.
 - e. PROPERLY ENTRENCH A SILT FENCE AT THE BOTTOM OF THE STOCKPILE.
21. TEMPORARY STABILIZATION SPECIFICATIONS
 - a. APPLY GROUND LIMESTONE AT A RATE OF 90 lbs. PER 1000 sf.
 - b. APPLY FERTILIZER (10-20-10) AT A RATE OF 11 lbs. PER 1000 sf.
 - c. APPLY PERENNIAL RYE GRASS SEED AT 1 lb. PER 1000 sf. AND ANNUAL RYE GRASS AT 1 lb. PER 1000 sf.
 - d. MULCH STOCKPILE WITH STRAW OR HAY AT A RATE OF 90 lbs. PER 1000 sf.
 - e. APPLY A LIQUID MULCH BINDER OR TACK TO STRAW OR HAY MULCH.
22. PERMANENT STABILIZATION SPECIFICATIONS
 - a. APPLY TOPSOIL TO A DEPTH OF 5 INCHES (UNSETTLED)
 - b. APPLY GROUND LIMESTONE AT A RATE OF 90 lbs. PER 1000 sf. AND WORK 4 INCHES INTO THE SOUL.
 - c. APPLY FERTILIZER (10-20-10) AT A RATE OF 11 lbs. PER 1000 sf.
 - d. APPLY PERENNIAL RYE GRASS SEED AT 2.7 lbs. PER 1000 sf. AND CREEPING RED FESCUE SEED AT 0.7 lbs. PER 1000 sf. AND PERENNIAL RYE GRASS SEED AT 0.25 lbs. PER 1000 sf.
 - e. MULCH STOCKPILE WITH STRAW OR HAY AT A RATE OF 90 lbs. PER 1000 sf.
 - f. APPLY A LIQUID MULCH BINDER OR TACK TO STRAW OR HAY MULCH.

NOTE: 72 HOURS PRIOR TO ANY SOIL DISTURBANCE, NOTICE OF SUCH IN WRITING SHALL BE GIVEN TO THE MORRIS COUNTY SOIL CONSERVATION DISTRICT.



PLAN

STONE SIZE 1 1/2" - 2 1/2" CRUSHED STONE

WIDTH NOT LESS THAN FULL WIDTH AT POINTS OF EGRESS AND INGRESS.

WASHING: WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE INTO PUBLIC R.O.W. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN.

MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC R.O.W. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRAPPED ONTO PUBLIC R.O.W. MUST BE REMOVED IMMEDIATELY.

WHEN THE CONSTRUCTION ACCESS EXITS ONTO A MAJOR ROADWAY, A PAVED TRANSITION AREA MAY BE INSTALLED BETWEEN THE MAJOR ROADWAY AND THE STONED ENTRANCE TO PREVENT LOOSE STONES FROM BEING TRANSPORTED OUT ONTO THE ROADWAY BY HEAVY EQUIPMENT ENTERING OR LEAVING THE SITE.

PERCENT SLOPE OF ROADWAY	LENGTH OF STONE REQUIRED
0 TO 2%	COARSE GRAINED SOILS 50 ft.
2 TO 5%	FINE GRAINED SOILS 100ft.
>5%	200ft.

1. AS PRESCRIBED BY LOCAL ORDINANCE OR OTHER GOVERNING AUTHORITY

STABILIZED CONSTRUCTION ENTRANCE

N.T.S

FREDERICK C. MEOLA

LICENSED PROFESSIONAL ENGINEER AND LAND SURVEYOR
CERTIFICATE OF AUTHORIZATION : No. 246A28140200
28 WHIPPANY ROAD, WHIPPANY, NEW JERSEY
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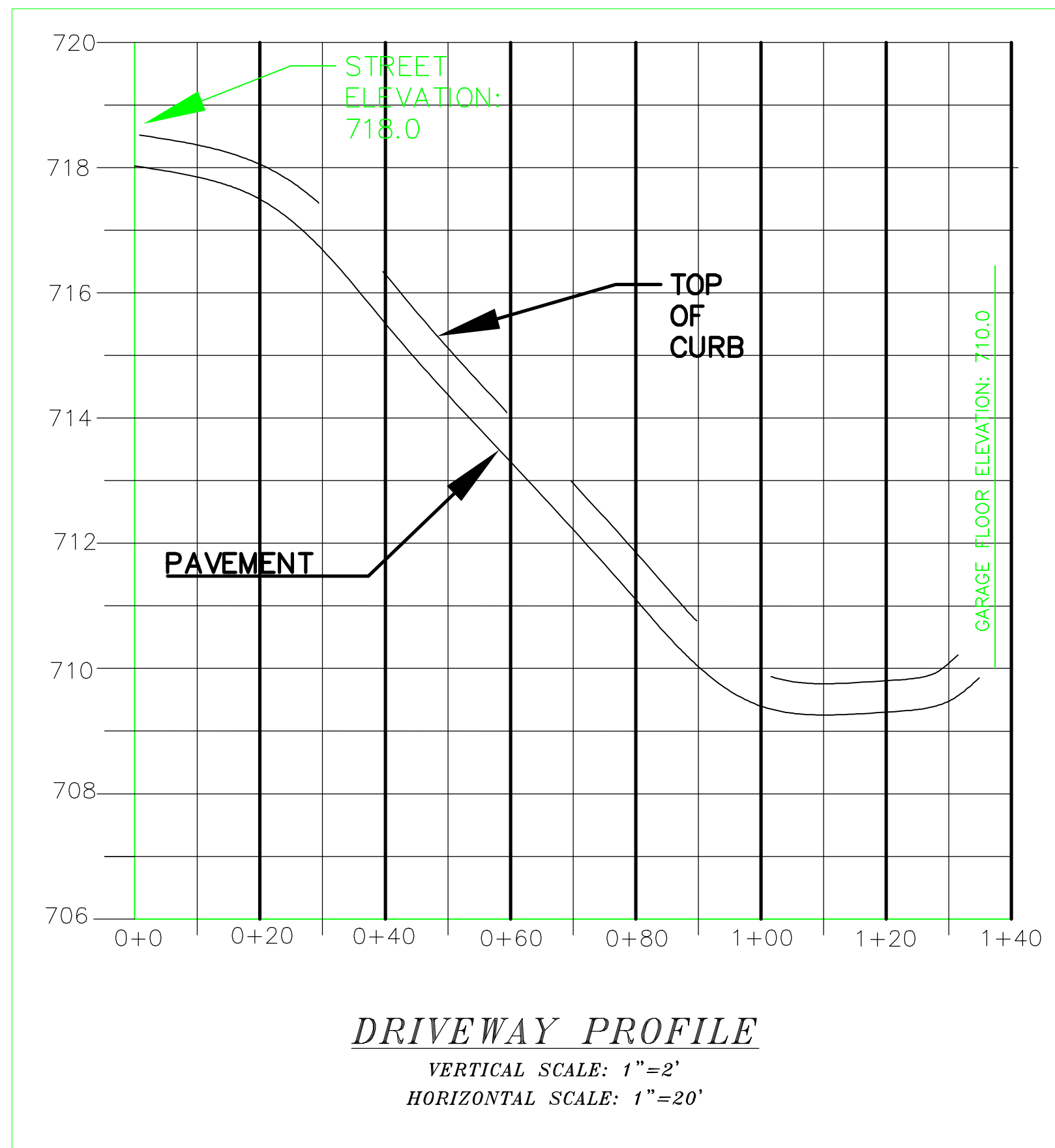
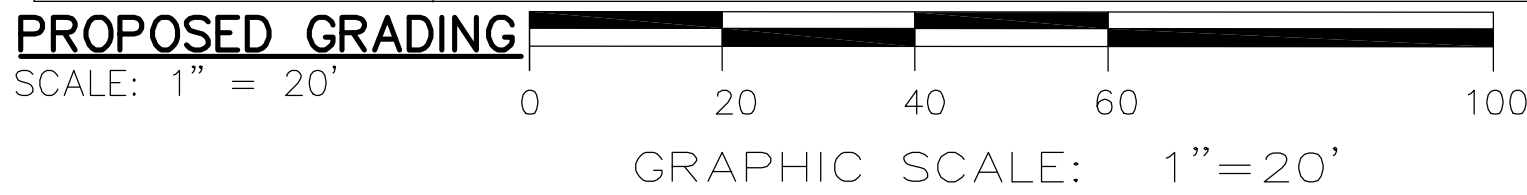
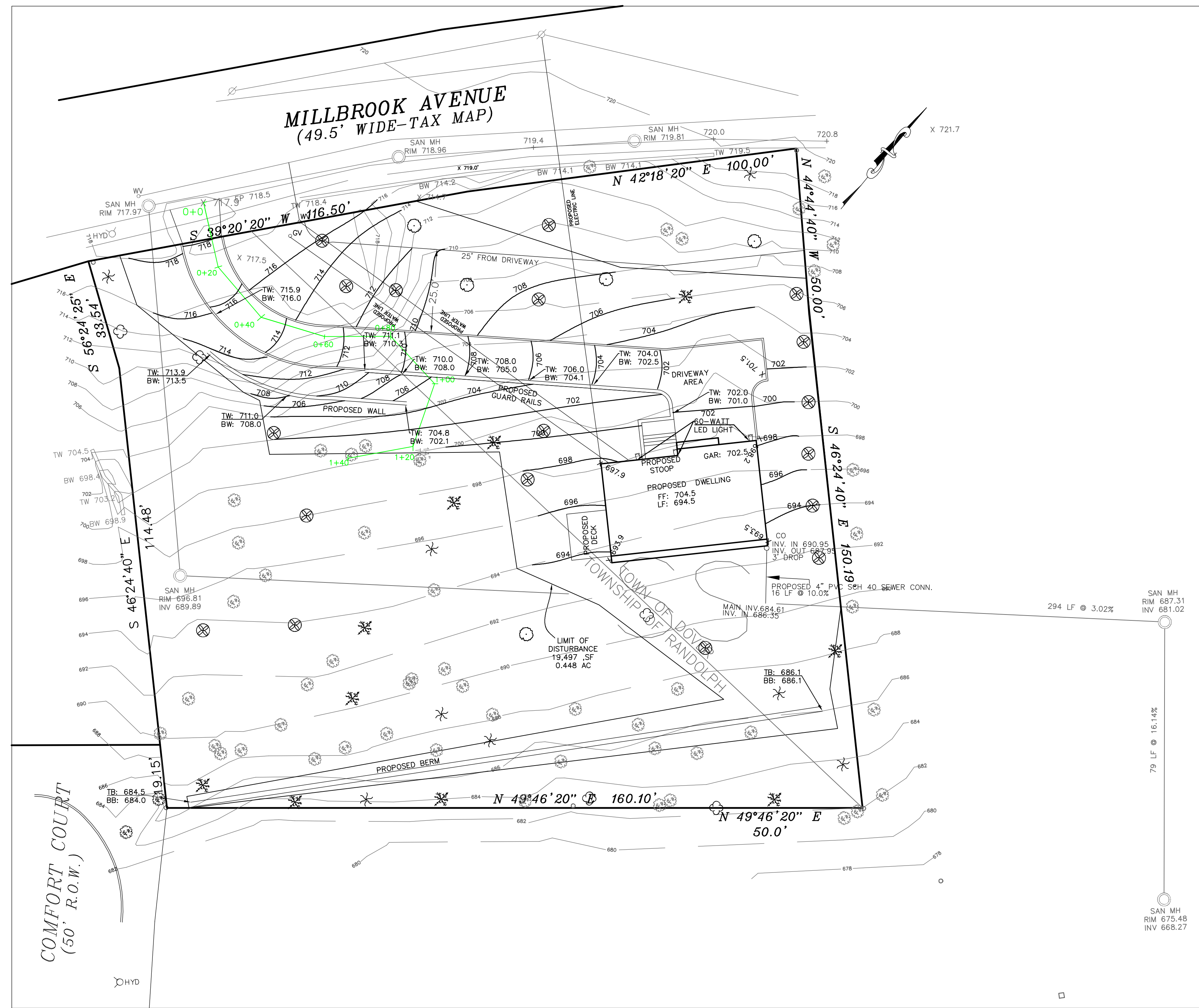
OWNER AND APPLICANT

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MORRIS PLAINS, NJ 07950

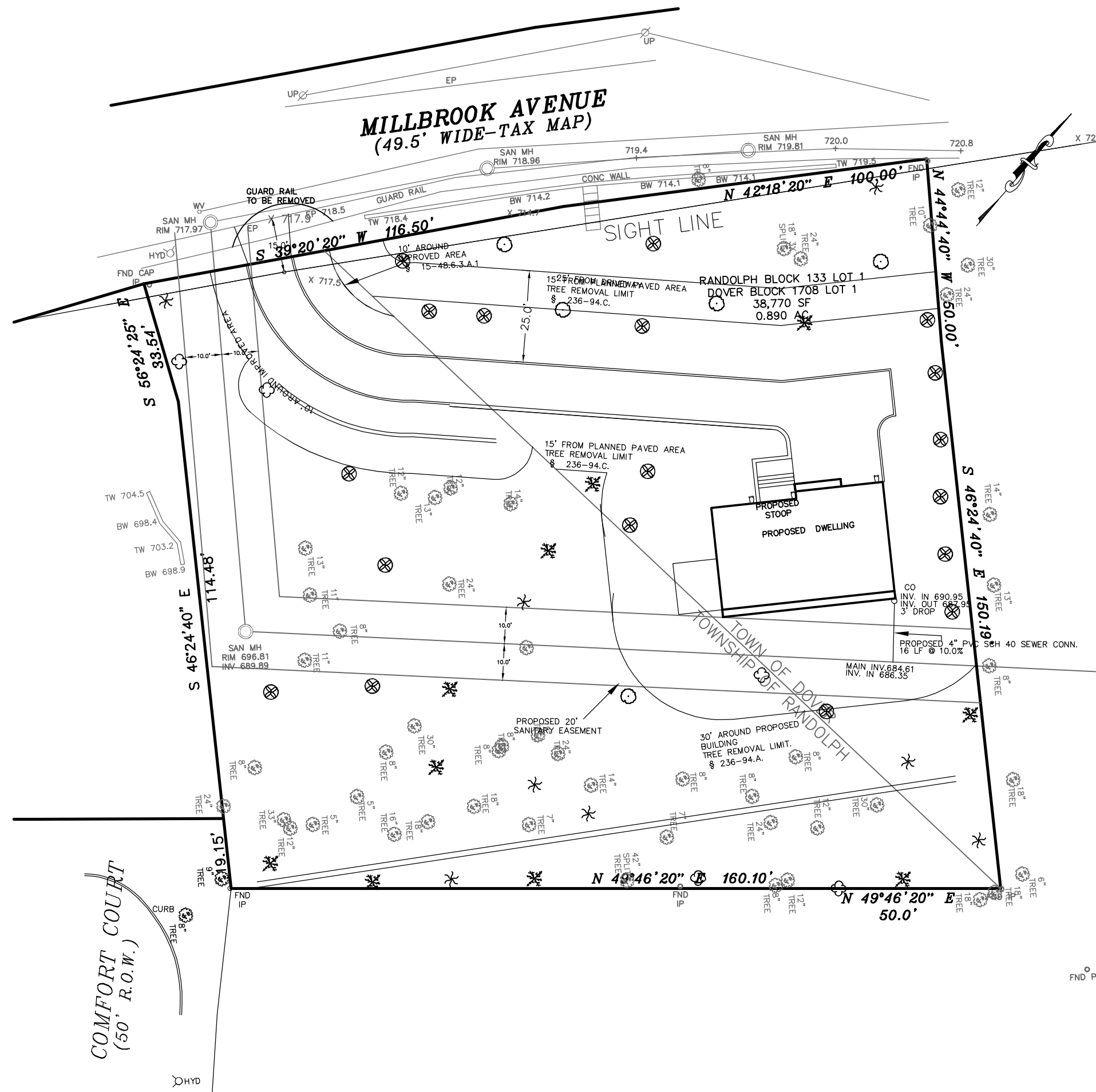
#86 MILLBROOK AVE
CONCEPTUAL GRADING
AND SESC PLAN
BLOCK 1708 LOT 1 & 2
TOWNSHIP OF DOVER
MORRIS COUNTY, NEW JERSEY
BLOCK 133 LOT 1
TOWNSHIP OF RANDOLPH
MORRIS COUNTY, NEW JERSEY

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DATE	SCALE	AS SHOWN	DRAWN BY	RAC
LATEST REV.	AS SHOWN			

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DRIVEWAY PROFILE
VERTICAL SCALE: 1"=2'
HORIZONTAL SCALE: 1"=20'



VEHICLE TURNING TEMPLATE
SCALE: 1" = 30'

REV	DATE	DESCRIPTION
1	10/03/18	ORIGINAL
2	10/03/19	REVISED
3	04/12/21	REVISED
4	06/22/21	REVISED
5	01/26/22	REVISED
6	06/14/22	REVISED
7	07/11/22	REVISED
8	08/08/22	REVISED
9	11/30/23	REVISED
10	01/30/23	REVISED
11	02/12/25	REVISED
12	04/24/25	REVISED

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N.J. LIC. # 22708

SEAL



OWNER AND APPLICANT

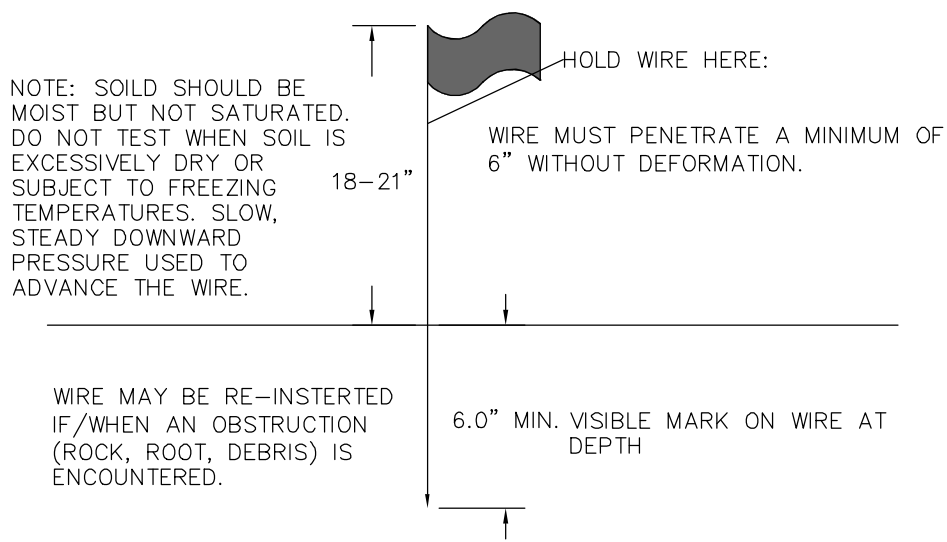
ANTONIO POCCIA, JR.
40 BROOKSTONE DR.
MORRIS PLAINS, NJ 07950

#XXX
EXISTING AND PROPOSED
CONDITIONS PLAN
BLOCK 1708 LOT 1
TOWN OF DOVER
MORRIS COUNTY, NEW JERSEY
BLOCK 133 LOT 1
TOWNSHIP OF RANDOLPH
MORRIS COUNTY, NEW JERSEY

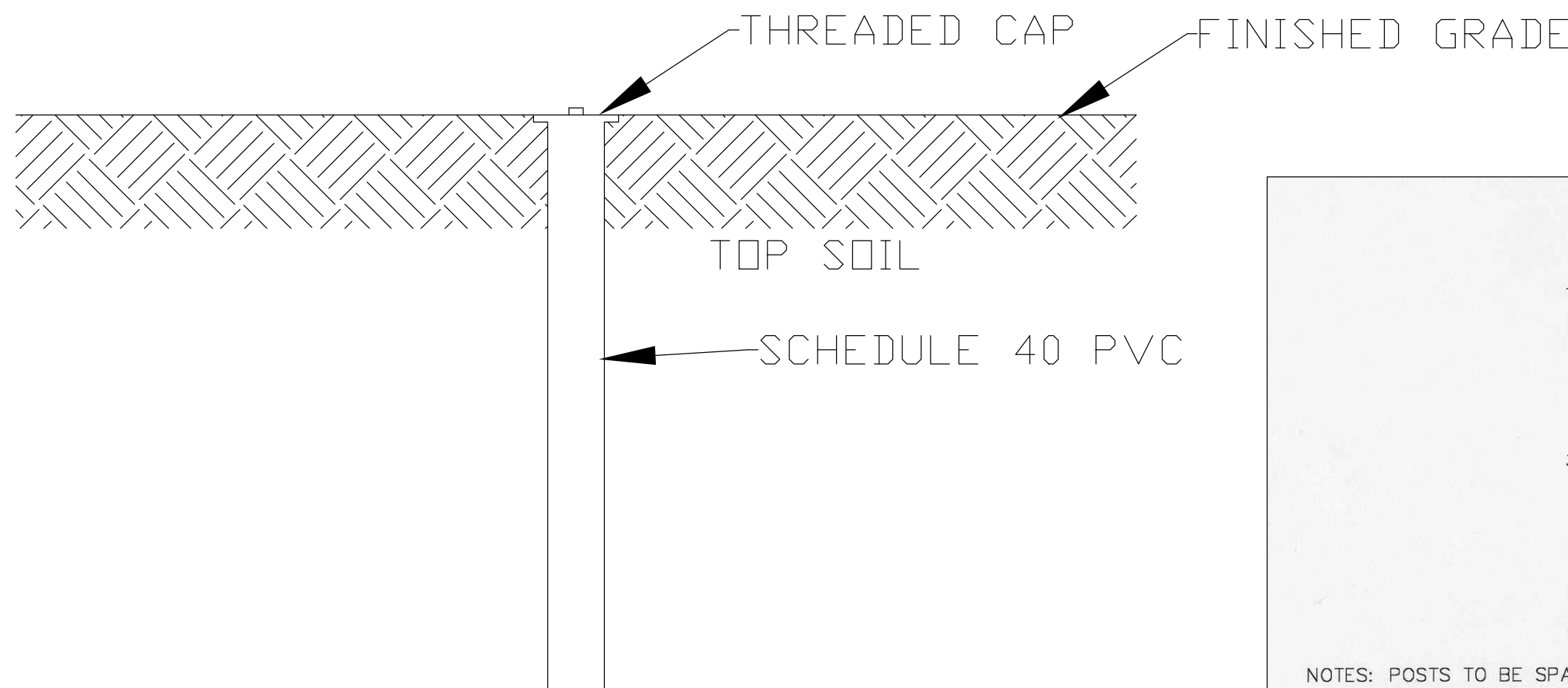
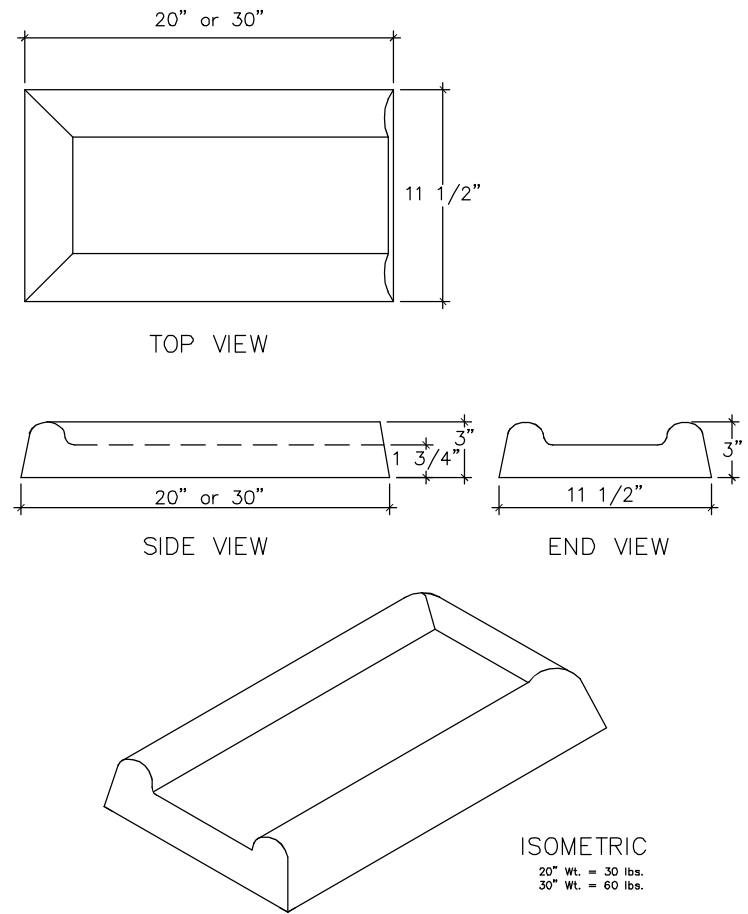
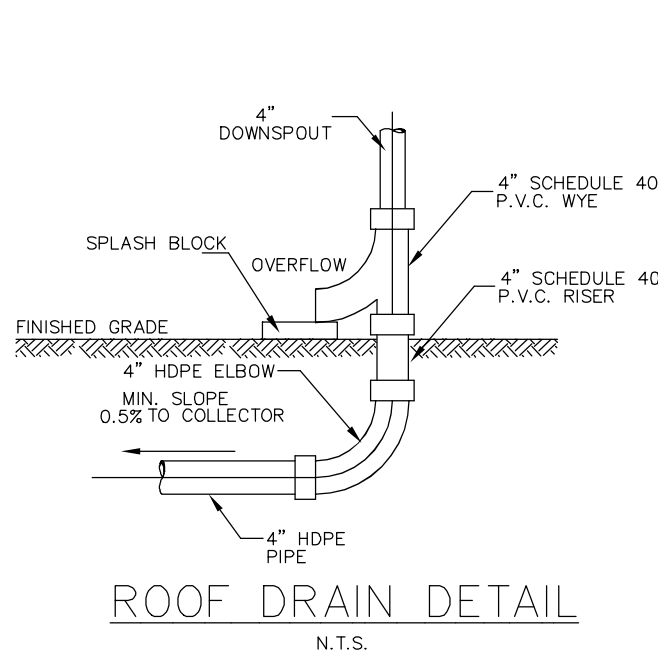
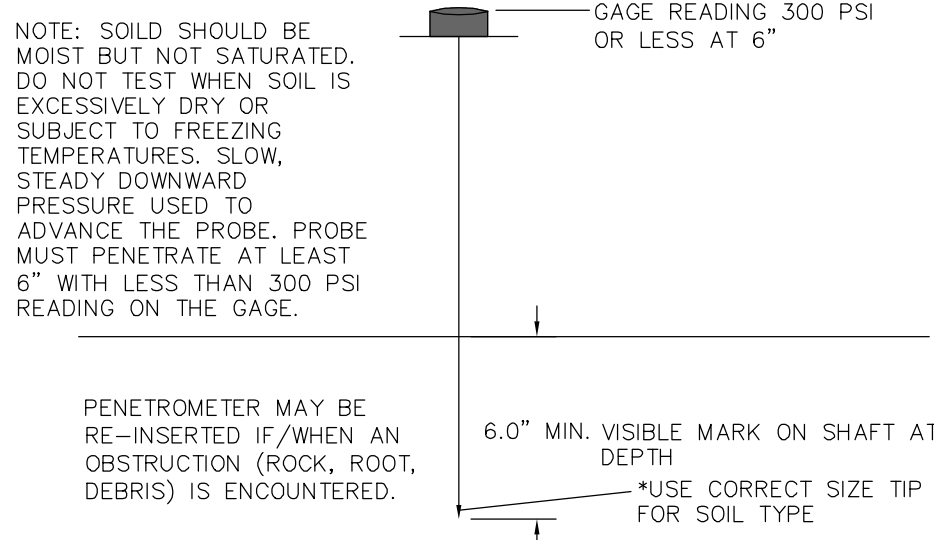
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140211	140211	XX/XX
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AS SHOWN	RAC	

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PROBING WIRE TEST-- 15.5 GA. STEEL WIRE (SURVEY FLAG)



HANDHELD SOIL PENETROMETER TEST



SOIL DE-COMPACTION AND TESTING REQUIREMENTS:

A. SOIL COMPACTION TESTING REQUIREMENTS

- SUBGRADE SOILS PRIOR TO THE APPLICATION OF TOPSOIL (SEE PERMANENT SEEDING AND STABILIZATION NOTES FOR TOPSOIL REQUIREMENTS) SHALL BE FREE OF EXCESSIVE COMPACTION TO A DEPTH OF 6.0 INCHES TO ENHANCE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.
- AREAS OF THE SITE WHICH ARE SUBJECT TO COMPACTION TESTING AND /OR MITIGATION ARE GRAPHICALLY DENOTED ON THE CERTIFIED SOIL EROSION CONTROL PLAN.
- COMPACTION TESTING LOCATIONS ARE DENOTED ON THE PLAN. A COPY OF THE PLAN OR PORTION OF THE PLAN SHALL BE USED TO MARK LOCATIONS OF TESTS, AND ATTACHED TO THE COMPACTION REMEDIATION FORM, AVAILABLE FROM THE LOCAL SOIL CONSERVATION DISTRICT. THIS FORM MUST BE FILLED OUT AND SUBMITTED PRIOR TO RECEIVING A CERTIFICATE OF COMPLIANCE FROM THE DISTRICT.
- IN THE EVENT THAT TESTING INDICATES COMPACTION IN EXCESS OF THE MAXIMUM THRESHOLDS INDICATED FOR THE SIMPLIFIED TESTING METHODS (SEE DETAILS BELOW), THE CONTRACTOR/OWNER SHALL HAVE THE OPTION TO PERFORM EITHER:
(1) COMPACTION MITIGATION OVER THE ENTIRE MITIGATION AREA DENOTED ON THE PLAN (EXCLUDING EXEMPT AREAS), OR
(2) PERFORM ADDITIONAL MORE DETAILED TESTING TO ESTABLISH THE LIMITS OF EXCESSIVE COMPACTION WHEREUPON ONLY THE EXCESSIVELY COMPACTED AREAS WOULD REQUIRE COMPACTION MITIGATION. ADDITIONAL DETAILED TESTING SHALL BE PERFORMED BY A TRAINED, LICENSED PROFESSIONAL.

B. COMPACTION TESTING METHODS

- PROBING WIRE TEST (SEE DETAIL)
- HAND-HELD PENETROMETER TEST (SEE DETAIL)
- TUBE BULK DENSITY TEST (LICENSED PROFESSIONAL ENGINEER REQUIRED)
- NUCLEAR DENSITY TEST (LICENSED PROFESSIONAL ENGINEER REQUIRED)

NOTE: ADDITIONAL TESTING METHODS WHICH CONFORM TO ASTM STANDARDS AND SPECIFICATIONS, AND WHICH PRODUCE A DRY WEIGHT, SOIL BULK DENSITY MEASUREMENT MAY BE ALLOWED SUBJECT TO DISTRICT APPROVAL. SOIL COMPACTION TESTING IS NOT REQUIRED IF/WHEN SUBSOIL COMPACTION REMEDIATION (SCARIFICATION/TILLAGE (6" MINIMUM DEPTH OR SIMILAR) IS PROPOSED AS PART OF THE SEQUENCE OF CONSTRUCTION.

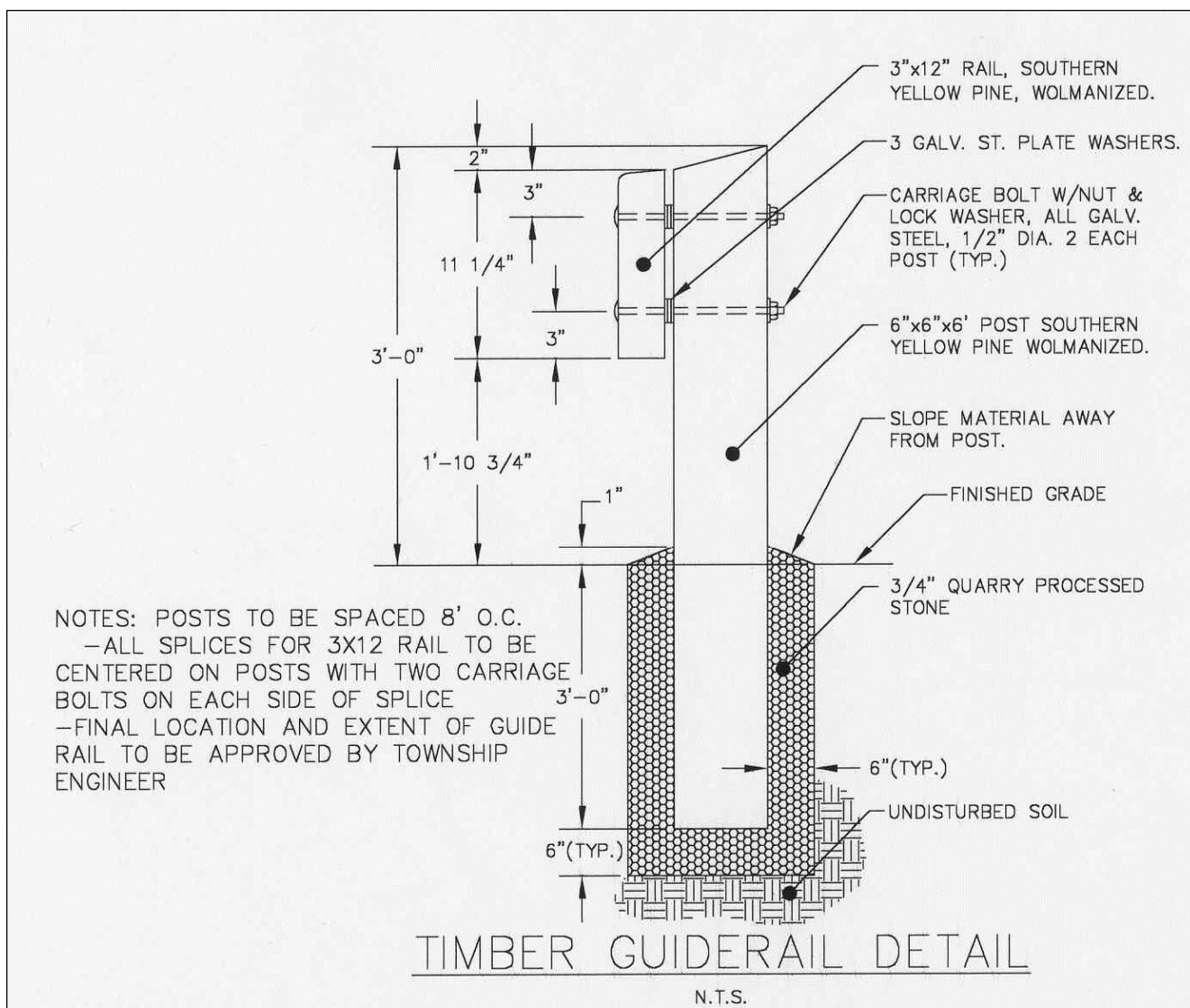
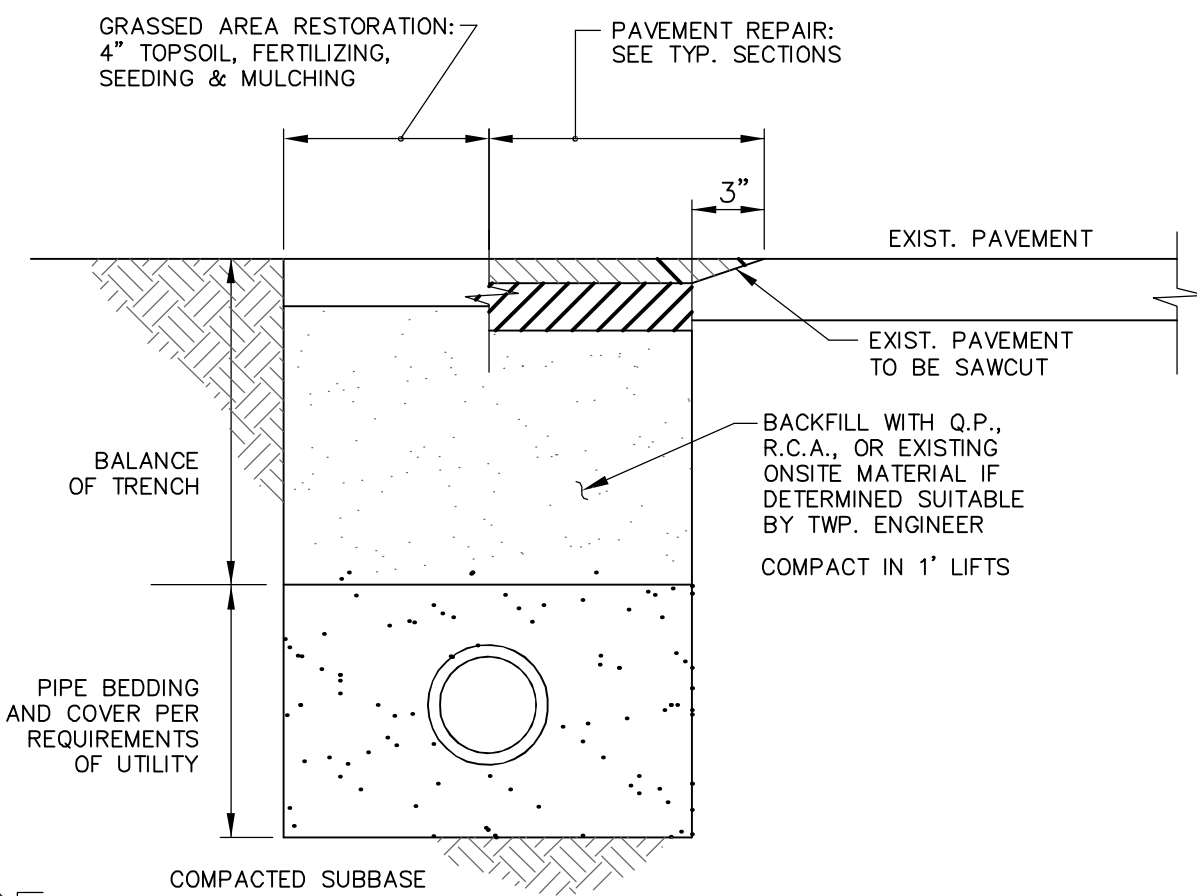
C. PROCEDURES FOR SOIL COMPACTION MITIGATION

PROCEDURES SHALL BE USED TO MITIGATE EXCESSIVE SOIL COMPACTION PRIOR TO PLACEMENT OF TOPSOIL AND ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.

RESTORATION OF COMPACTED SOILS SHALL BE THROUGH DEEP SCARIFICATION/TILLAGE (6" MINIMUM DEPTH) WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.). IN THE ALTERNATIVE, ANOTHER METHOD AS SPECIFIED BY A NEW JERSEY LICENSED PROFESSIONAL ENGINEER MAY BE SUBSTITUTED SUBJECT TO DISTRICT APPROVAL.

NOTES:

- IF PAVEMENT IS 5 YEARS OLD OR NEWER, INFRA-RED RESTORATION MUST BE DONE
- THE UTILITY COMPANY SHALL PROVIDE A STREET OPENING PERMIT APPLICATION TO THE TOWNSHIP AT LEAST 5 DAYS PRIOR TO NON-EMERGENCY WORK AND WITHIN 2 DAYS AFTER EMERGENCY WORK
- OTHER THAN EMERGENCIES, ALL PAVEMENT SHALL BE SAWCUT. PNEUMATIC TRENCH CUTTING IS NOT PERMITTED.
- PRIOR TO SURFACE PAVEMENT RESTORATION, THE EXISTING PAVEMENT SHALL BE PREPARED WITH A SAW CUT BEVELED EDGE, THEN TACK COATED JUST PRIOR TO PAVING
- PAVEMENT AND RESTORATION SHALL BE IN ACCORDANCE WITH MOST CURRENT NJDOT STANDARDS
- PIPELINE BEDDING AND COVER SHALL BE A GRANULAR BORROW MATERIAL OR QUARRY PROCESS STONE. EXISTING SOIL SHALL BE REMOVED UNLESS OTHERWISE APPROVED BY THE MUNICIPALITY.



EXISTING TREE PROTECTION NOTES

1. TREE PROTECTION SHALL BE PROVIDED FOR ANY AND ALL TREES TO BE PRESERVED DURING AND AFTER CONSTRUCTION. THE CONTRACTOR SHALL TAKE WHATEVER ADDITIONAL MEASURES NECESSARY TO PROTECT EXISTING TREES TO REMAIN AGAINST UNNECESSARY CUTTING, BREAKING OR SKINNING OF ROOTS, SKINNING AND BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIAL WITHIN DRIP LINE, EXCESS FOOT TRAFFIC OR VEHICULAR TRAFFIC, OR PARKING OF VEHICLES WITHIN DRIP LINE.

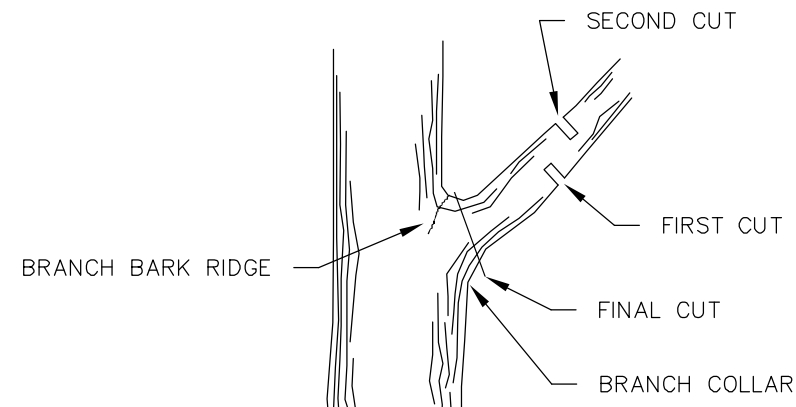
2. TREE PROTECTION TO BE INSTALLED PRIOR TO CLEARING OF WOODED AREA. ONCE CONSTRUCTION HAS BEEN COMPLETED AND THE AREA AROUND THE PROTECTED TREES HAS BEEN PERMANENTLY SEEDED AND MULCHED, THE TREE PROTECTION FENCE CAN BE REMOVED.

3. 4' HIGH SNOW FENCE SHALL BE PLACED AT THE DRIP LINE OF THE TREE OR GROUP OF TREES TO BE PROTECTED AND SHALL ENCLOSE THE ENTIRE TREE OR GROUP.

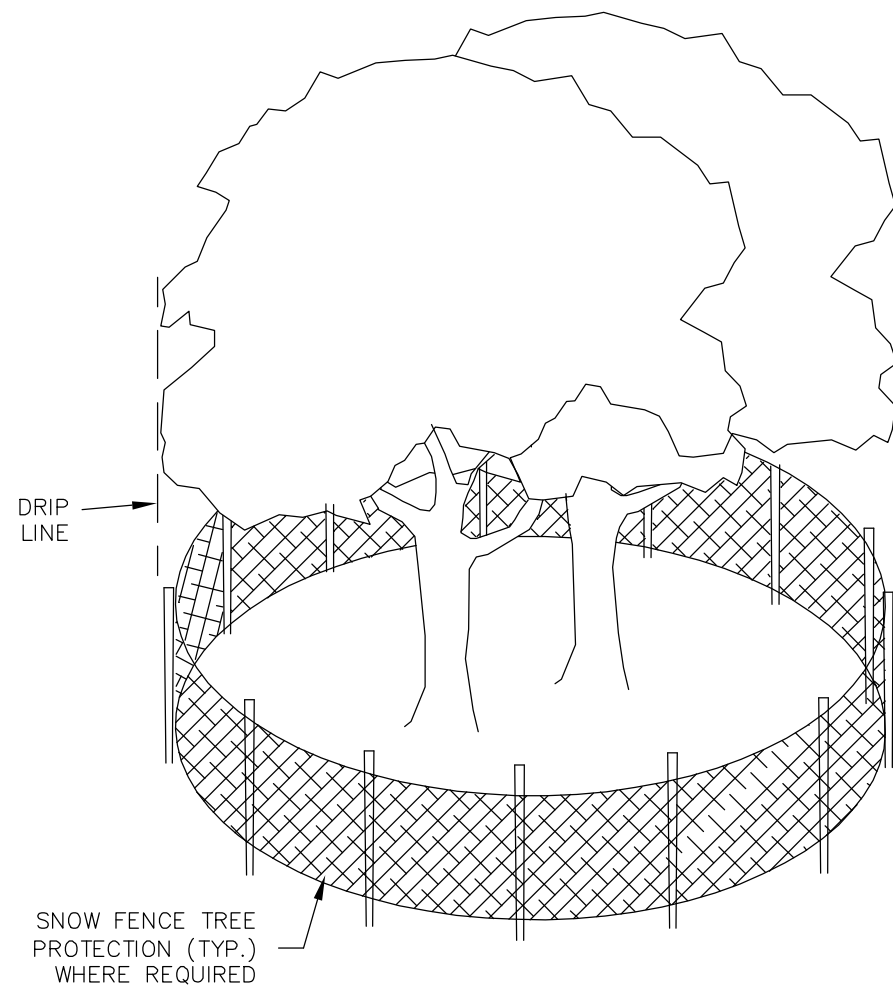
4. BOARDS AND FENCING SHALL NOT BE NAILED TO TREES DURING CONSTRUCTION.

5. ROOTS EXPOSED AND/OR DAMAGED DURING GRADING AND CONSTRUCTION OPERATIONS SHALL BE CUT OFF CLEANLY INSIDE THE EXPOSED OR DAMAGED AREA, AND TOPSOIL PLACED OVER THE ROOTS IMMEDIATELY.

6. TREES WITHIN THE LIMITS OF CONTRACT WORK SHALL BE WATERED AS REQUIRED TO MAINTAIN THEIR HEALTH.

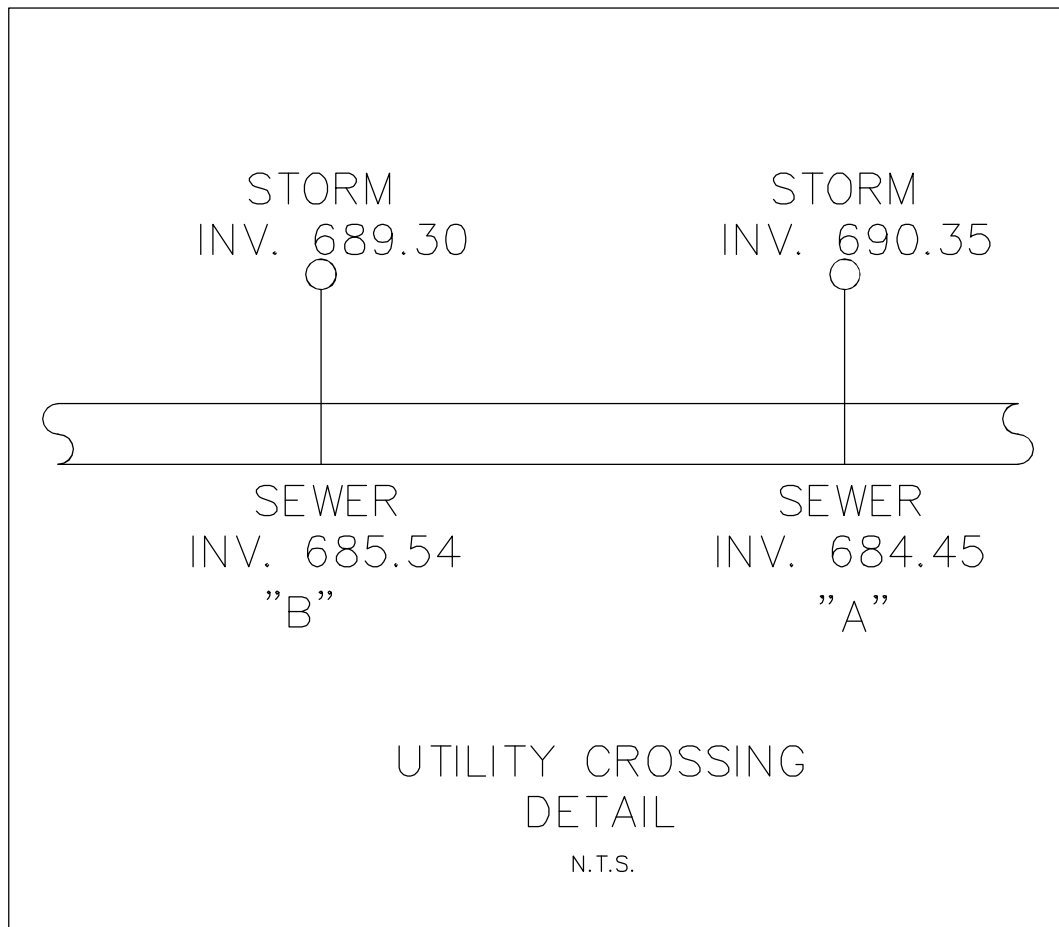
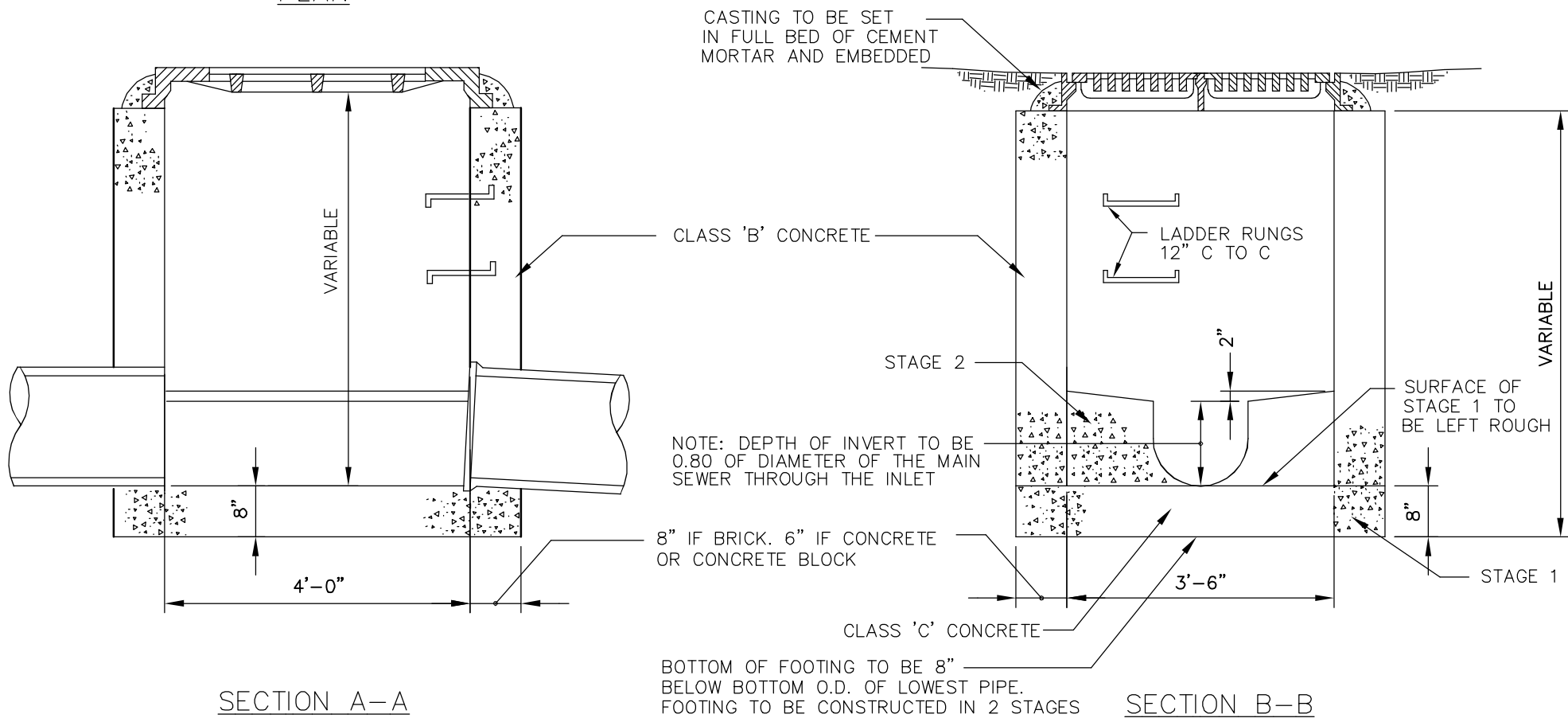
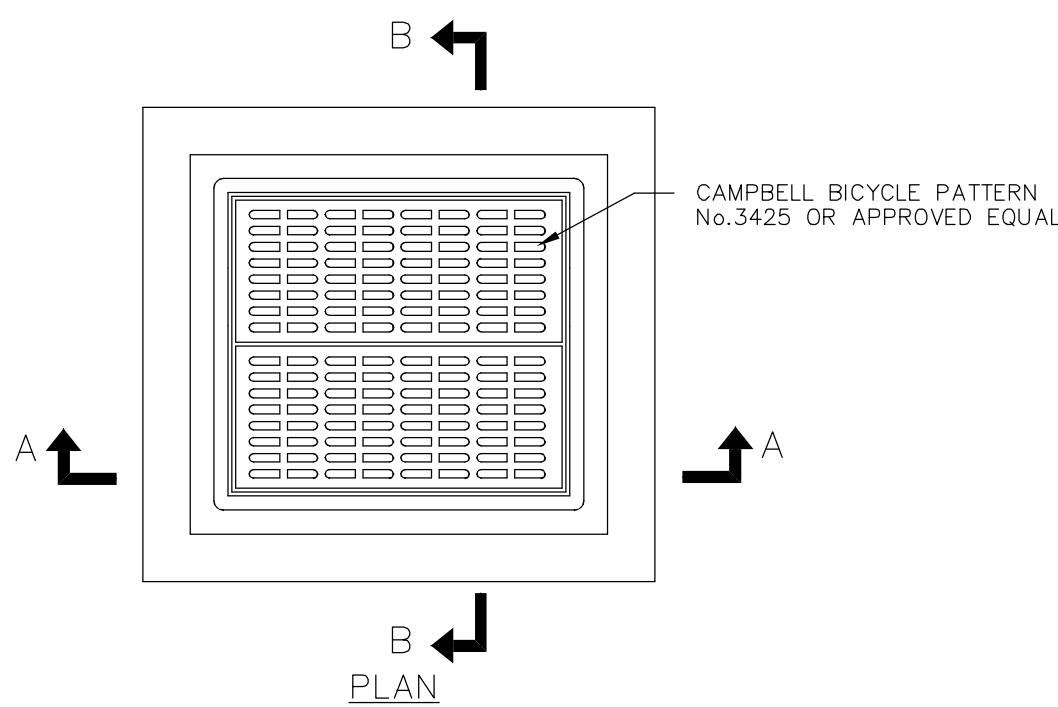


REMOVAL OF TREE LIMB



TREE PROTECTION DETAIL

REFER TO STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY: 9.1



REV	DATE	DESCRIPTION
1	01/03/18	ORIGINAL
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8	08/08/22	REVISED
9	11/20/23	REVISED
10	01/30/23	REVISED
11	02/12/25	REVISED
12	04/24/25	REVISED
13	05/12/25	REVISED
14	12/16/25	REVISED
15	02/26/26	REVISED

FREDERICK C. MEOLA

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OWNER AND APPLICANT

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#86 MILLBROOK AVE

DETAILS AND SESC

BLOCK 708 LOT 1
TOWN OF DOVER
MORRIS COUNTY, NEW JERSEY

BLOCK 133 LOT 1
TOWNSHIP OF RANDOLPH
MORRIS COUNTY, NEW JERSEY

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