

INDEX TO DRAWINGS	
DRAWING NUMBER	TITLE
SP-1	SITE PLAN
SP-2	EXISTING CONDITIONS & DEMOLITION PLAN
SP-3	LIGHTING PLAN
SP-4	GRADING & UTILITY PLAN
SP-5	EROSION & SEDIMENT CONTROL PLAN
SD-1	SITE DETAILS
SD-2	SITE DETAILS
SD-3	SITE DETAILS
SD-4	EROSION & SEDIMENT CONTROL DETAILS

PARKING NOTES	
PER §155-27 REQUIRED PARKING:	
MULTIPLE DWELLINGS (RESIDENTIAL) = 1.5 SPACES FOR EACH DWELLING UNIT (ROUNDED UP TO A WHOLE NUMBER)	
4 BUILDINGS WITH 6 UNITS PER BUILDING = 24 TOTAL UNITS 24 UNITS x 1.5 SPACES PER UNIT = <u>36 SPACES REQUIRED</u>	
<u>36 PARKING SPACES PROVIDED</u>	
<u>HANDICAP PARKING:</u>	
1 SPACE PER 25 SPACES = <u>2 SPACES REQUIRED</u>	
<u>2 HANDICAP PARKING SPACES PROVIDED</u>	

A detailed map of the Town of Newburgh, New York, showing a grid of streets and a river. The map includes labels for 'WALLKILL RIVER' on the right, 'HIGHLAND AVE' and 'US RTE 9W' in the lower-left, and 'TOWN OF NEWBURGH' in the bottom right. A large, dark gray shaded area represents the 'SITE' in the center of the map, located between 'SOUTH ST', 'DRAGOTTA RD', and 'SUMMIT DR'. The map also shows 'OVERLOOK BLUFF' to the east of the site. The top left corner of the map area contains the text 'VICINITY MAP'.

PROPERTY INFORMATION	
SECTION-BLOCK-LOT:	108.4-6-29.311
PARCEL AREA:	7.32 ACRES
ZONING DISTRICT:	R - RESIDENTIAL DISTRICT
OWNER:	SUMMIT DRIVE PROPERTIES LLC 3121 ROUTE 9W NEW WINDSOR, NEW YORK

ZONING INFORMATION		
ITEM	REQUIRED	PROVIDED
RESIDENTIAL DISTRICT	R - RESIDENTIAL DISTRICT	
ENT USE:	VACANT	
POSED USE:	MULTIPLE DWELLINGS (RESIDENTIAL)	
UM LOT AREA ¹	3 ACRES	7.32 ACRES
UM DENSITY ¹	6 DU PER ACRE	3.3 DU PER ACRE
UM FRONT YARD ¹	40'	62'
UM REAR YARD ¹	30'	219'
UM SIDE YARD ¹	30'	143'
UM LOT WIDTH ¹	200'	813'
UM LOT DEPTH	100'	397'
UM BUILDING COVERAGE	30%	2.3%
UM LOT COVERAGE	15%	9.2%
UM BUILDING STORIES	2 $\frac{1}{2}$	$\leq 2 \frac{1}{2}$
UM BUILDING HEIGHT	35'	27'
NG UNITS PER ACRE	6 DU/AC MAX	<4 DU/AC

EICIAL USE NOTES AS INDICATED BELOW
CURRENTLY WITHIN MARLBOROUGH WATER DISTRICT AND WILL PETITION TO BE
ED IN MARLBOROUGH SEWER DISTRICT #1

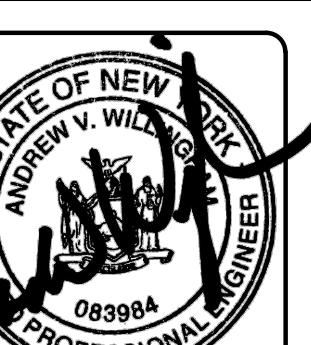
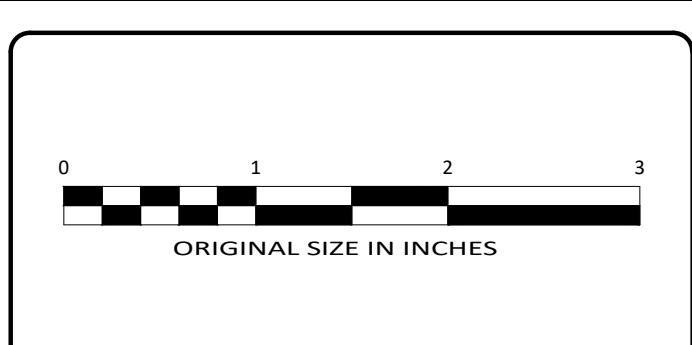
SPECIAL USE NOTES

LEGEND

	EXISTING PROPERTY LINE
	ADJACENT PROPERTY LINE
	BUILDING SETBACK
	EXISTING 10' CONTOUR (LIDAR)
	EXISTING 2' CONTOUR (LIDAR)
	EXISTING EDGE OF PAVEMENT
	EXISTING TREE LINE
	EXISTING SANITARY SEWER MANHOLE
	EXISTING SEWER MAIN
	EXISTING BUILDING
	EXISTING STONE WALL
	PROPOSED BUILDING
	PROPOSED ASPHALT PAVEMENT
	PROPOSED CONCRETE WALK
	PROPOSED SNOW STORAGE AREA
	PROPOSED HYDRANT
	PROPOSED WATER VALVE
	PROPOSED SANITARY SEWER MANHOLE
	PROPOSED CATCH BASIN
	PROPOSED END SECTION WITH RIP-RAP OUTLET PROTECTION
	PROPOSED OVERFLOW WEIR
	PROPOSED DOWNSPOUT
	PROPOSED LANDSCAPING AREA
	PROPOSED LEVEL SPREADER

S U R V E Y N O T E S

PLANTING SCHEDULE						
NUMBER	KEY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	NOTES
6	RM	OCTOBER GLORY RED MAPLE	ACER RUBRUM 'OCTOBER GLORY'	2.5" CALIPER	B&B	
21	NS	NORWAY SPRUCE	PICEA ABIES	6'-7' HEIGHT	B&B	
8	RP	HERITAGE RIVER BIRCH	BETULA NIGRA 'HERITAGE'	8'-10' HEIGHT	B&B	MULTI-STEMMED PLANT



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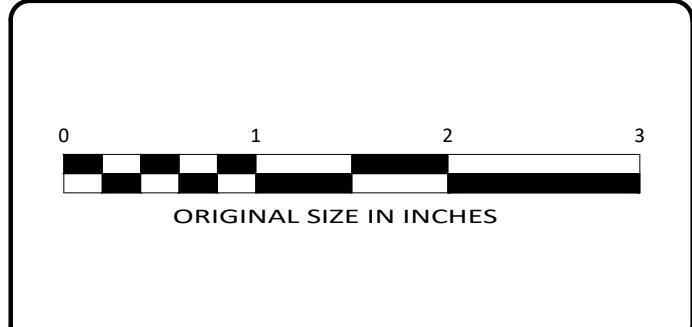


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SITE PLAN																	
SUMMIT DRIVE PROPERTIES LLC																	
SUMMIT DRIVE																	
TOWN OF MARLBOROUGH, ULSTER COUNTY, NEW YORK																	
<table border="1"> <tr> <td>DRAWN BY</td> <td>CHECKED BY</td> </tr> <tr> <td>MLT</td> <td></td> </tr> <tr> <td>DATE</td> <td>SCALE</td> </tr> <tr> <td>09/22/23</td> <td>1"=30'</td> </tr> <tr> <td colspan="2">PROJECT NO.</td> </tr> <tr> <td colspan="2">23006</td> </tr> <tr> <td colspan="2">SHEET NO.</td> </tr> <tr> <td colspan="2">SD 1</td> </tr> </table>		DRAWN BY	CHECKED BY	MLT		DATE	SCALE	09/22/23	1"=30'	PROJECT NO.		23006		SHEET NO.		SD 1	
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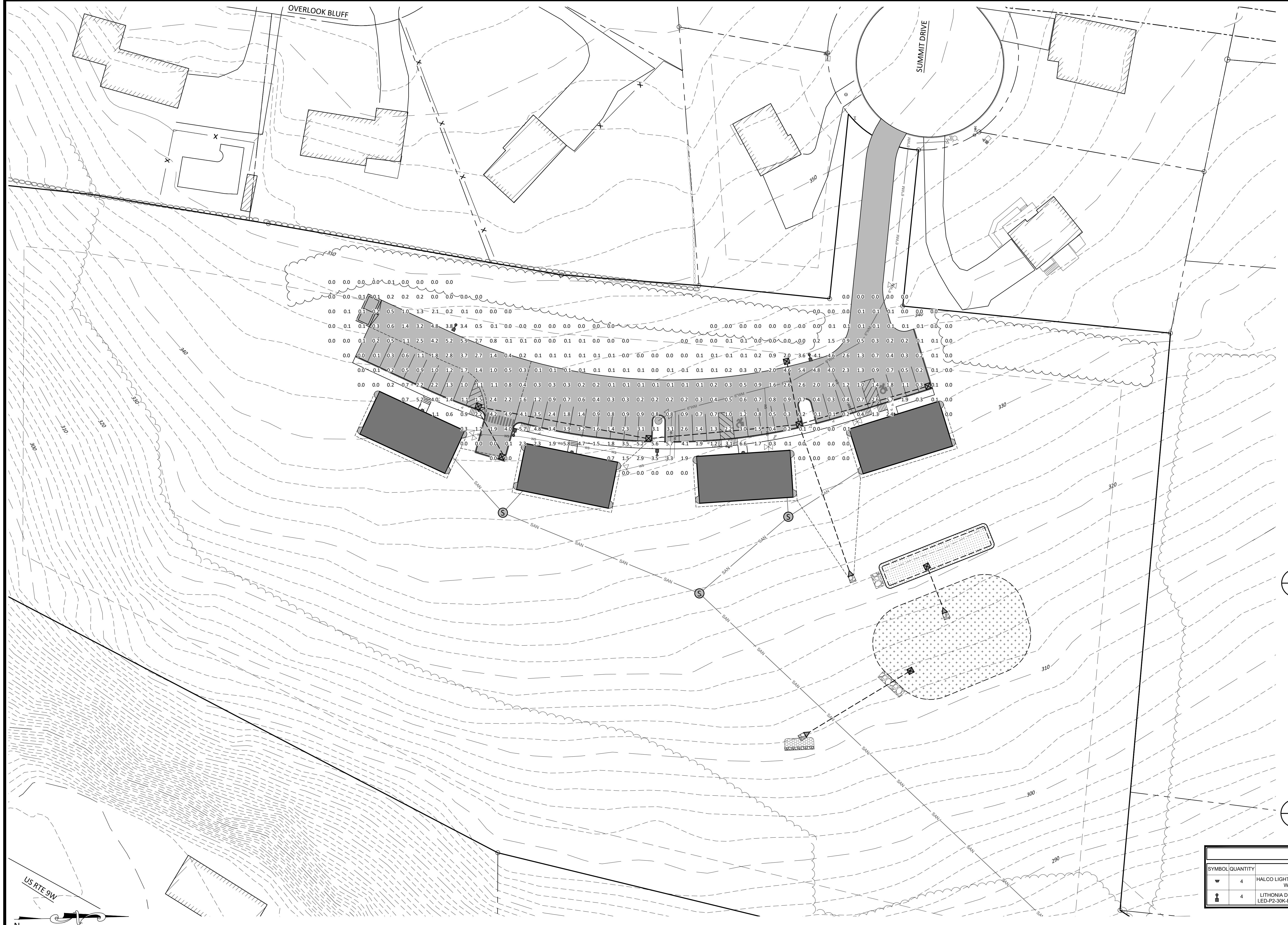
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EXISTING SEWER MAIN
EXISTING BUILDING
EXISTING STONE WALL
SOIL BOUNDARY AND TYPE WITH HYDROLOGIC SOIL GROUP
EXISTING DRAINAGE CULVERT
EXISTING DRAINAGE CATCH BASIN



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PROPOSED WATER VALVE	
PROPOSED SANITARY SEWER MANHOLE	
PROPOSED CATCH BASIN	
PROPOSED END SECTION WITH RIP-RAP OUTLET PROTECTION	
PROPOSED OVERFLOW WEIR	
PROPOSED LANDSCAPING AREA	
PROPOSED 6"Ø WATER MAIN	
PROPOSED 4" PVC SEWER LINE	
PROPOSED DRAINAGE CULVERT	
PROPOSED ROOF LEADER WITH DOWNSPOUT	
LIGHTING LEVEL IN FOOTCANDLES	
0.6	

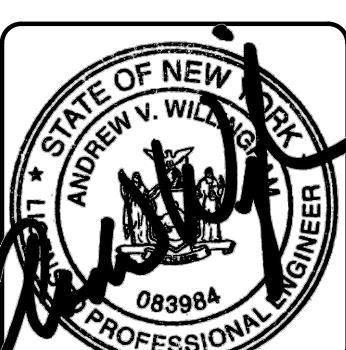
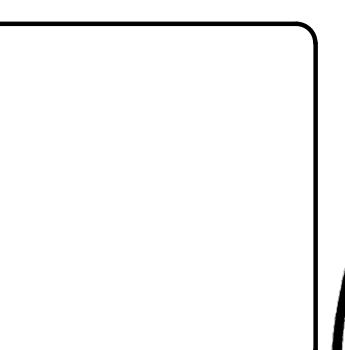


1 SP-3 POLE DETAIL - LITHONIA D SERIES DSX1
SCALE: NTS



2 SP-3 WALL PACK IMAGE - HALCO ProLED WPS WALLPACK
SCALE: NTS

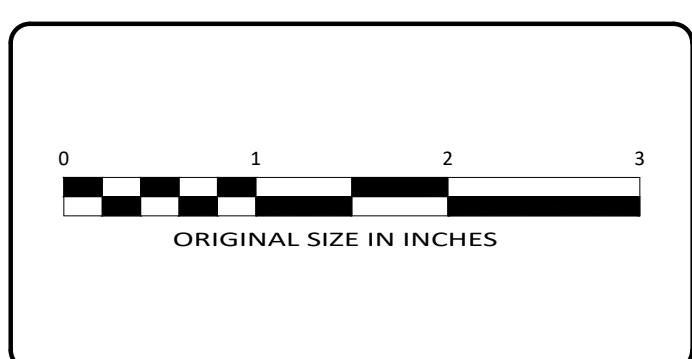
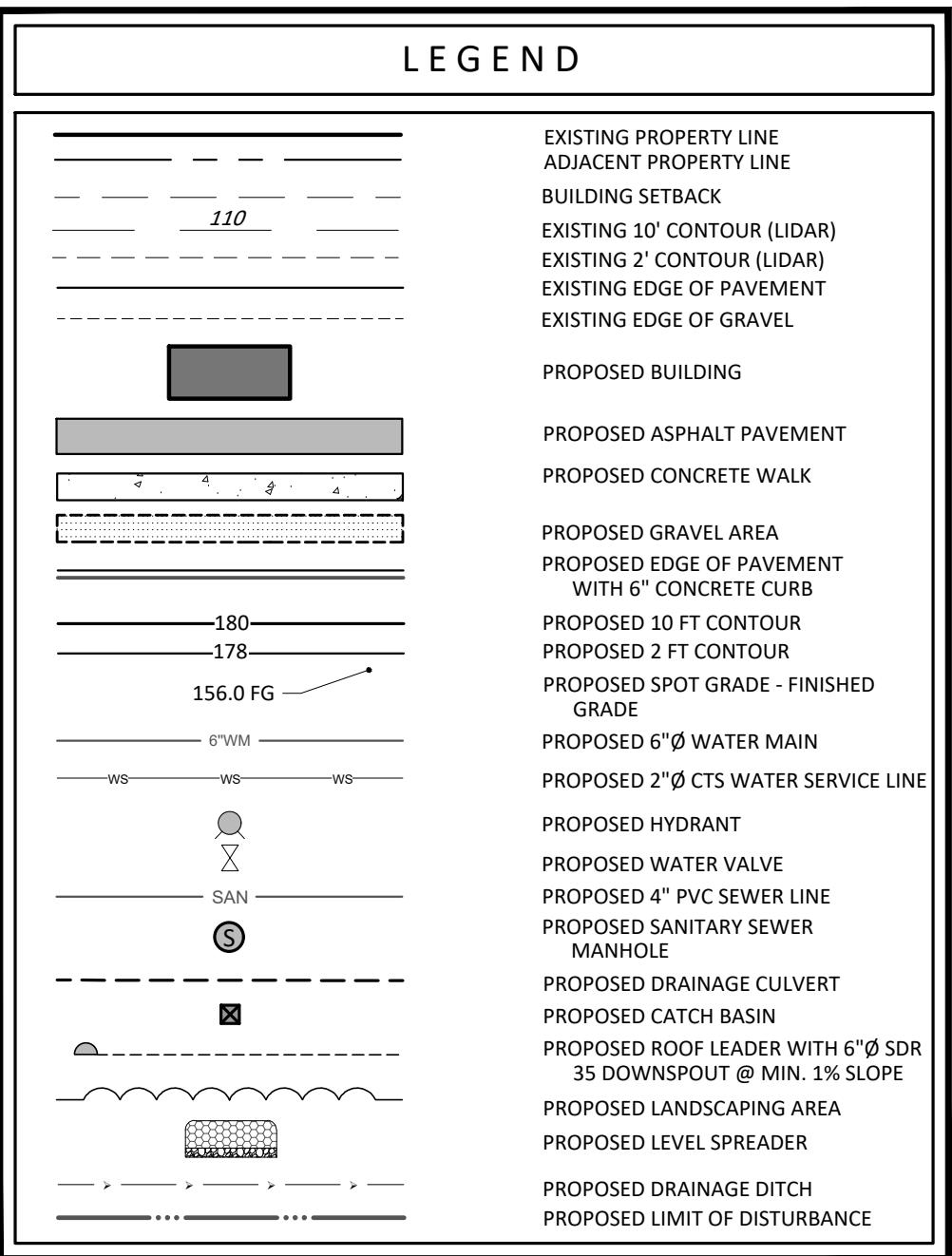
LUMINAIRE SCHEDULE						
SYMBOL	QUANTITY	LAMP	COLOR	COLOR TEMP	LUMENS	MOUNTING HEIGHT
▼	4	HALCO LIGHTING TECHNOLOGIES - WPS-28-4K-U	BLACK POWDER COATED ALUMINUM	4,000 K	3,514	WALL 12'
■	4	LITHONIA D-SERIES SIZE 1 DSX1 LED-P2-30K-BLC-RPA-PIR-DBBTXO	BLACK POWDER COATED ALUMINUM	3,000 K	6,770	POLE 15'



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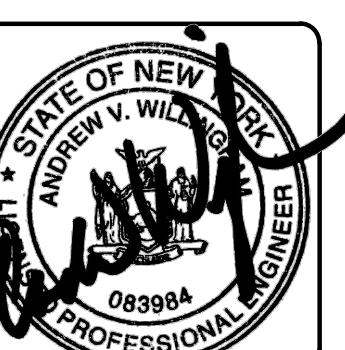
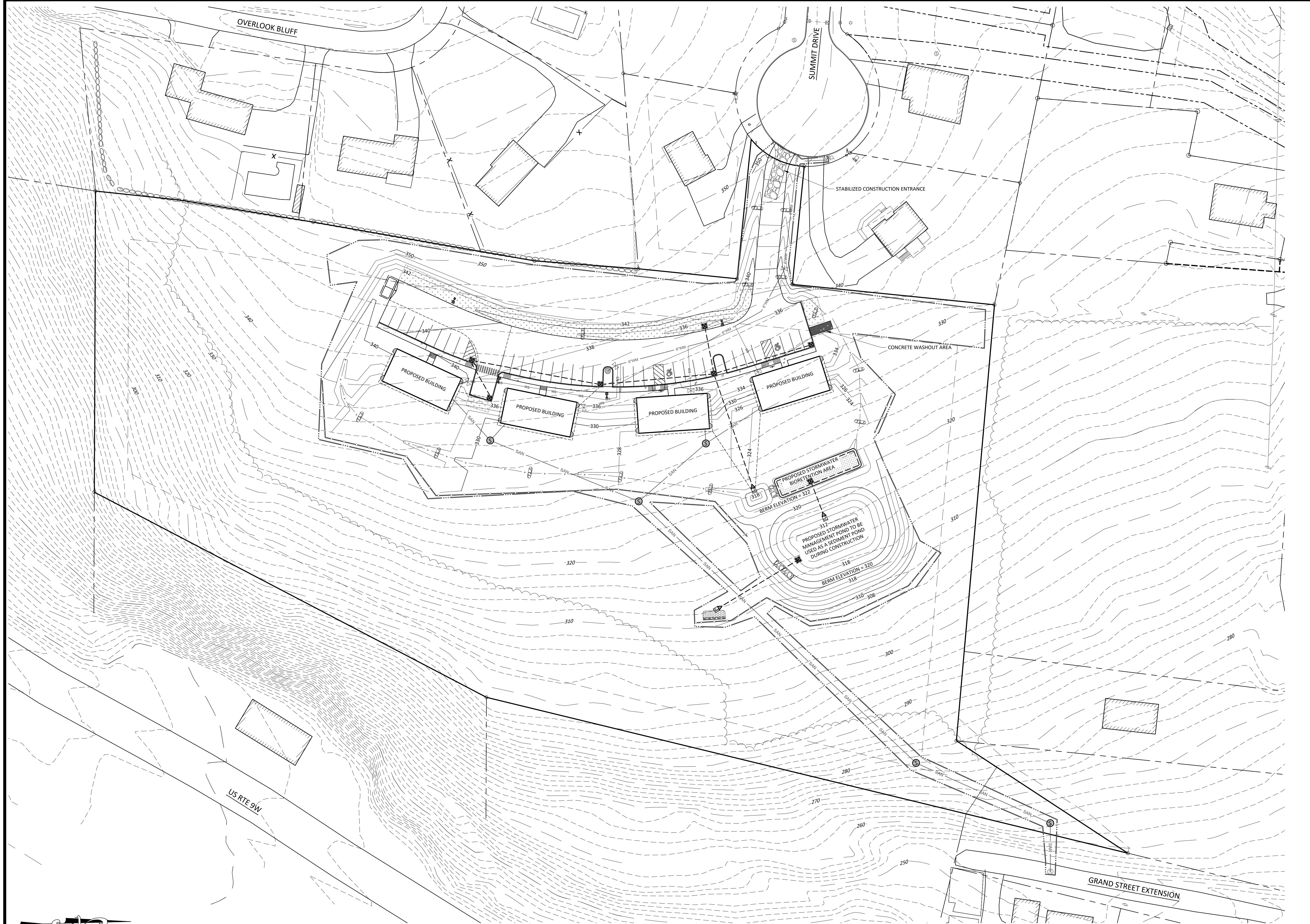
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DATE SCALE
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PROJECT NO.
23006
SHEET NO.
SP-4

GRADING & UTILITY PLAN
SUMMIT DRIVE PROPERTIES LLC
SUMMIT DRIVE
TOWN OF MARLBOROUGH, ULSTER COUNTY, NEW YORK



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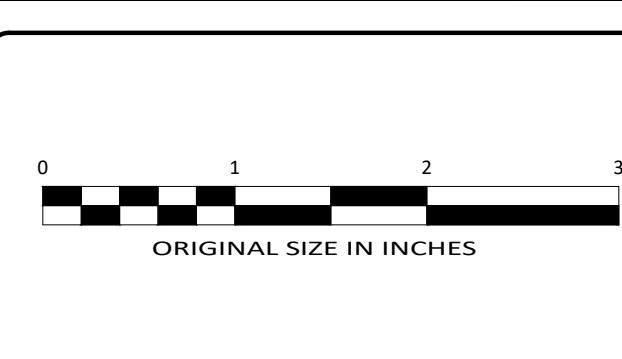
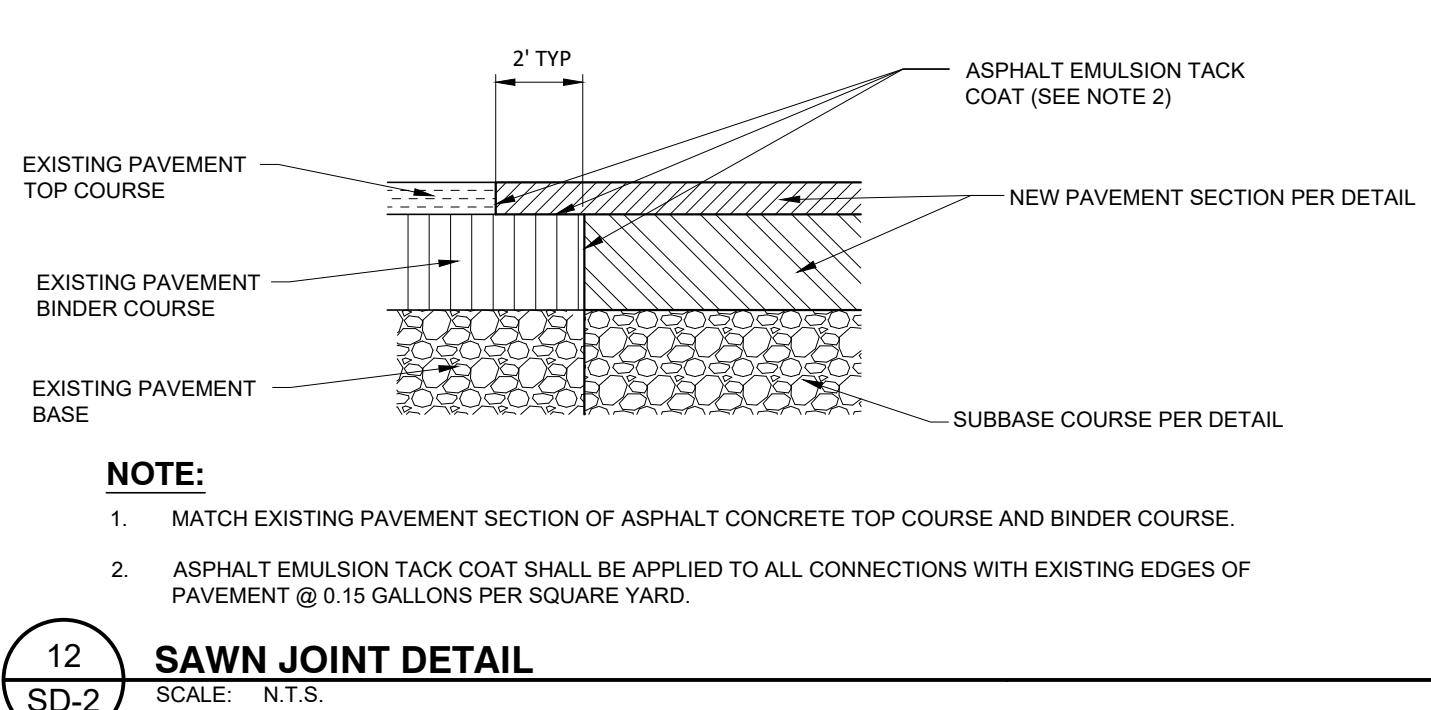
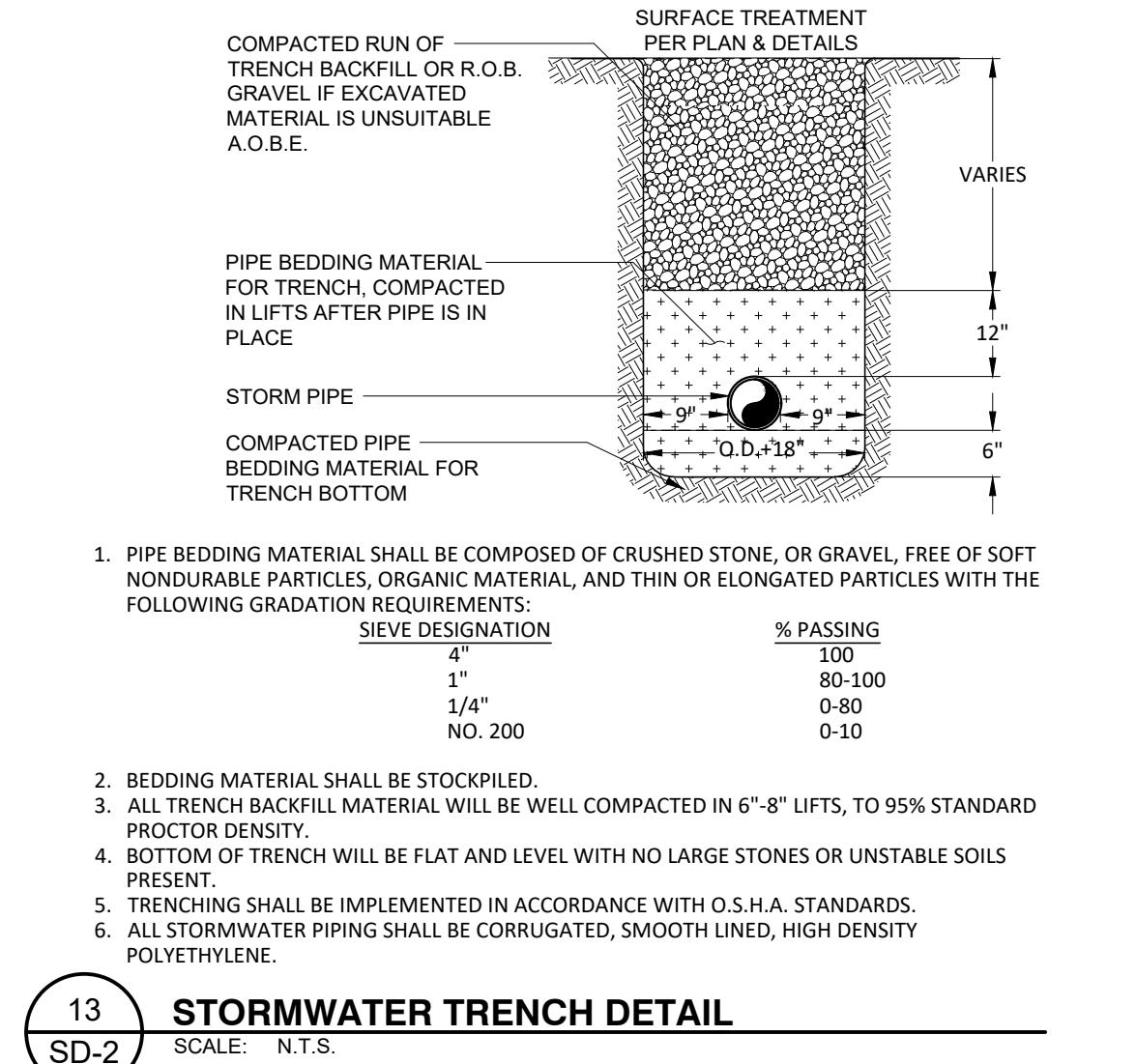
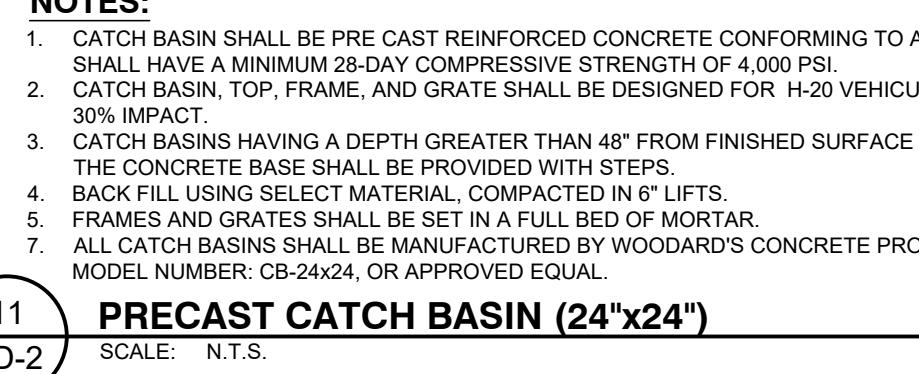
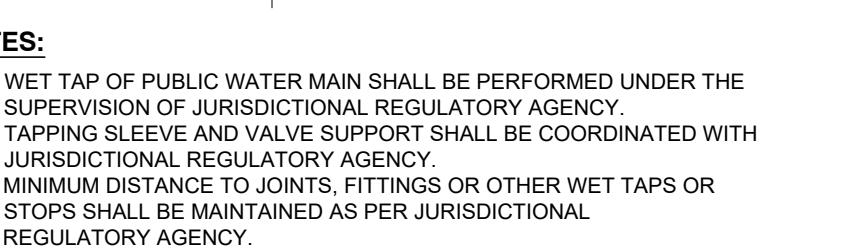
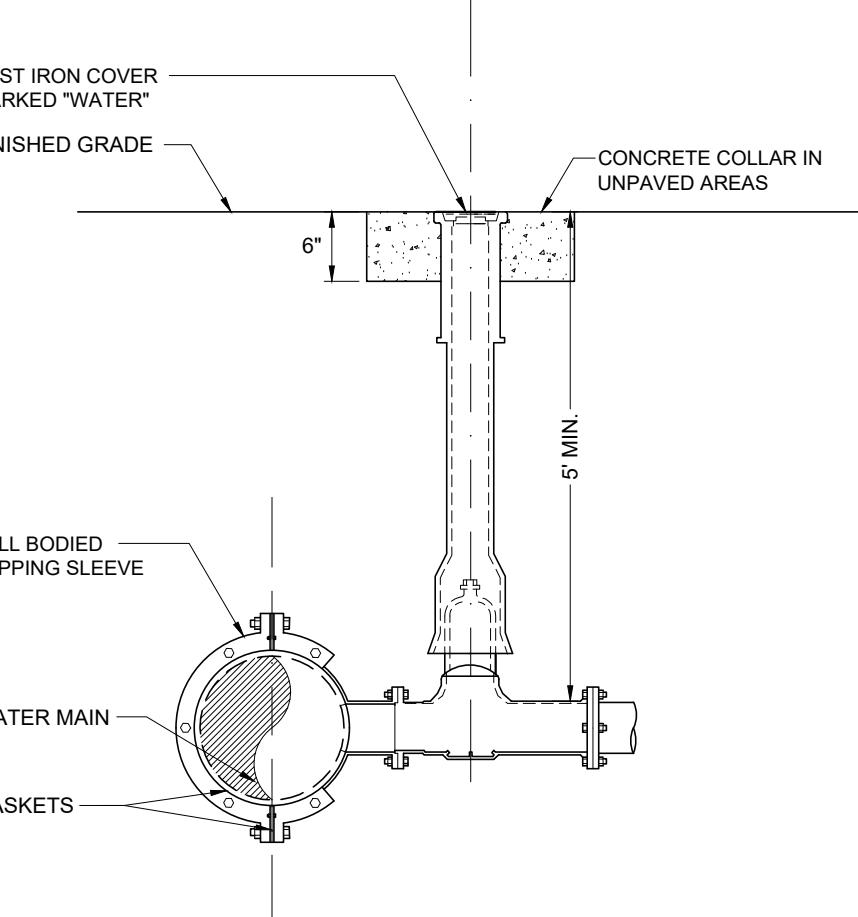
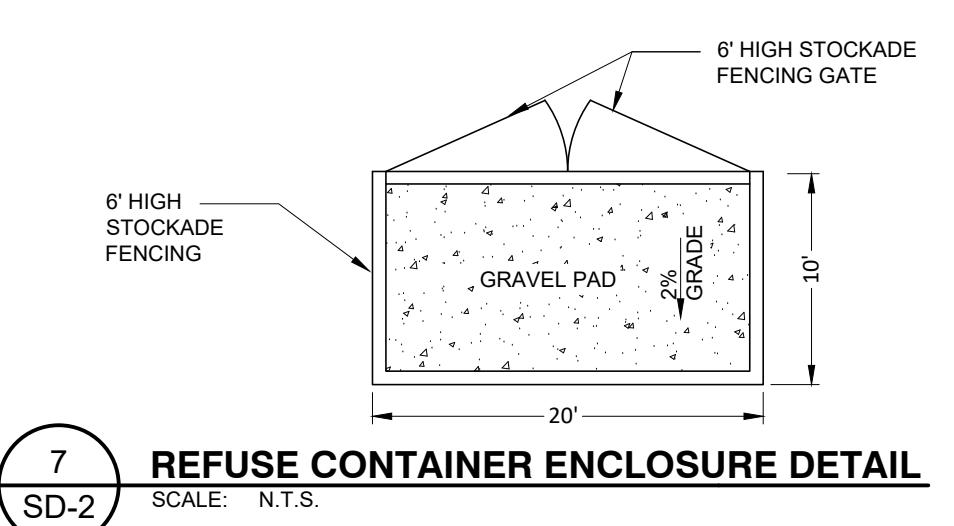
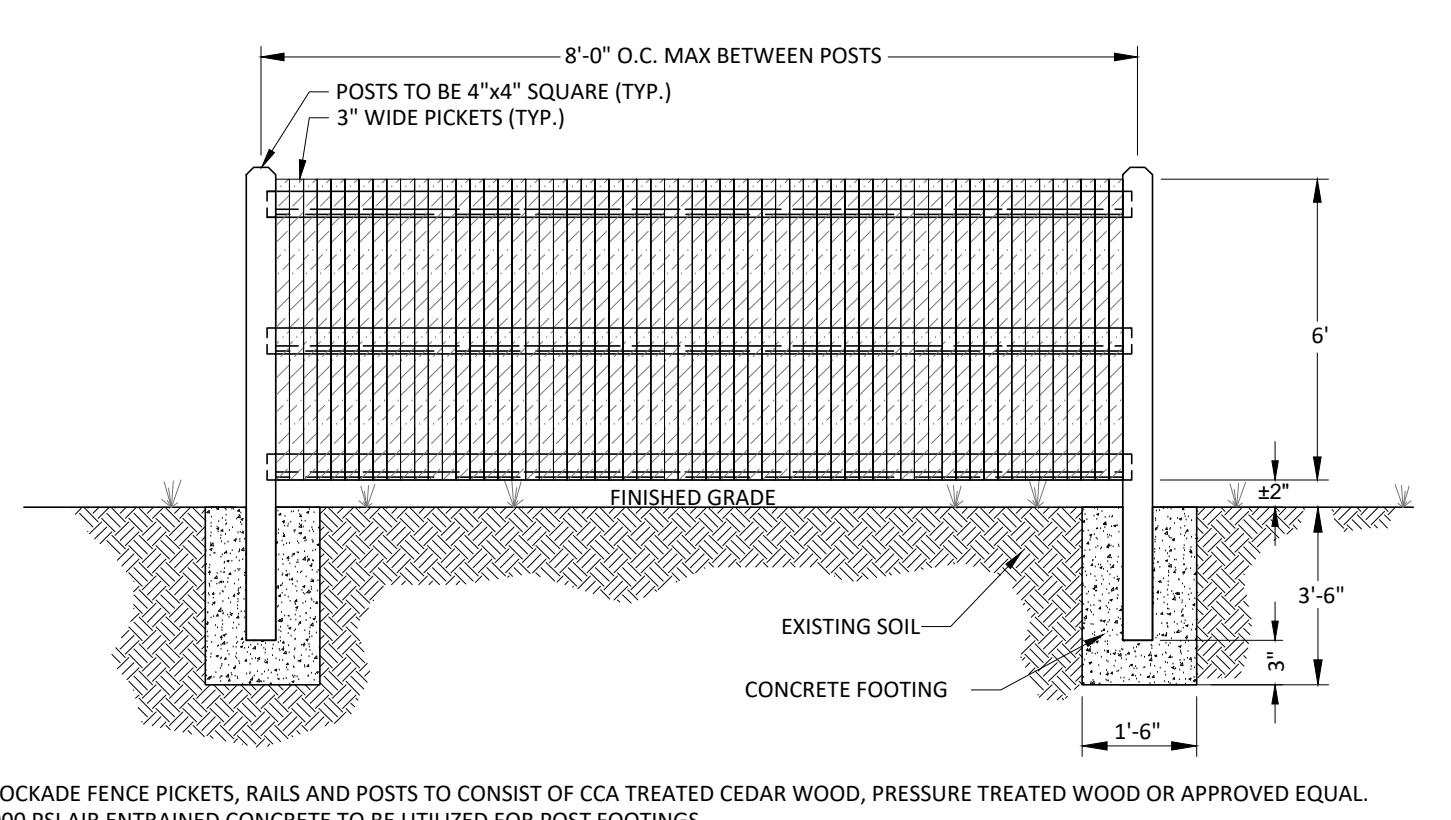
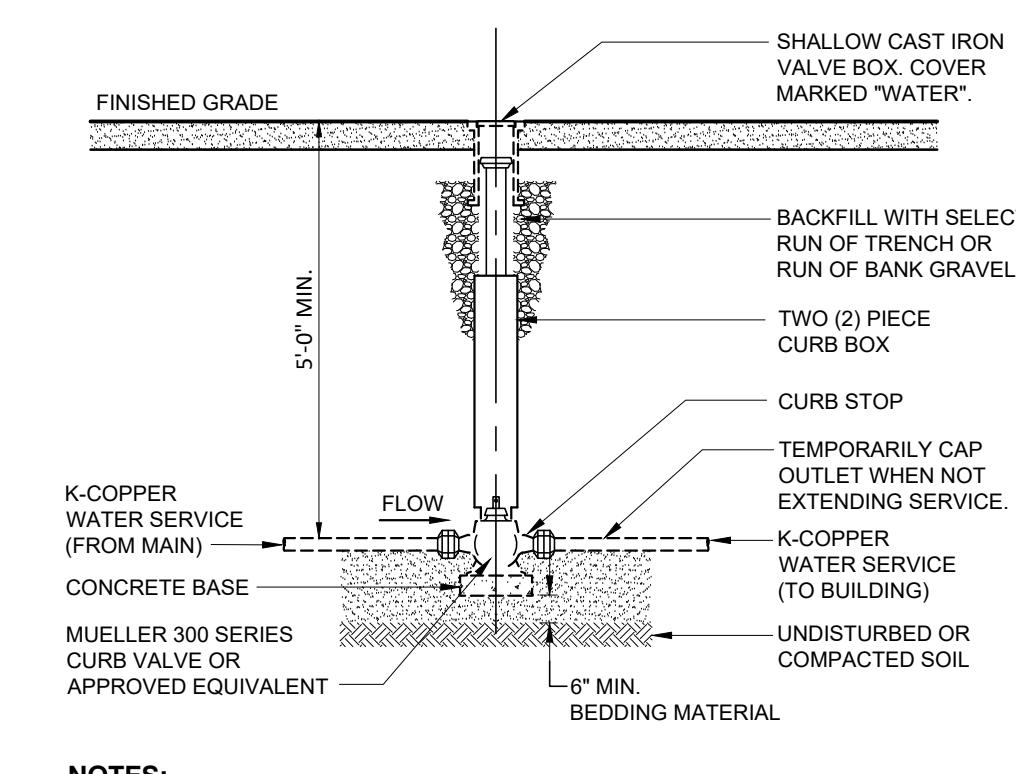
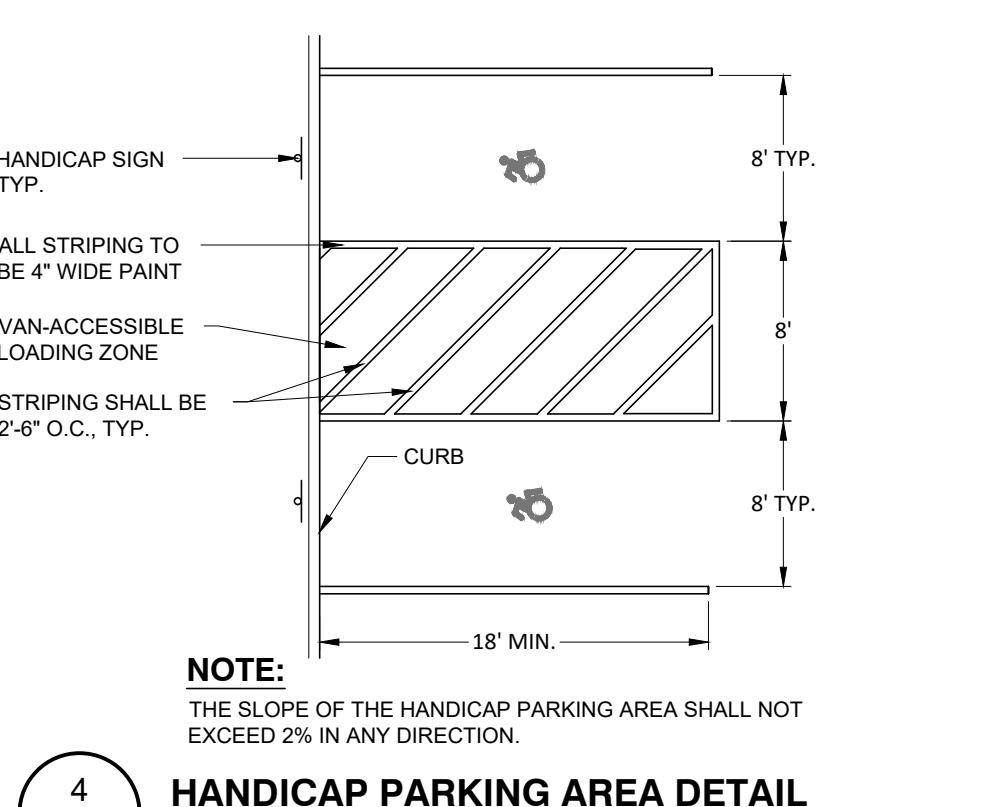
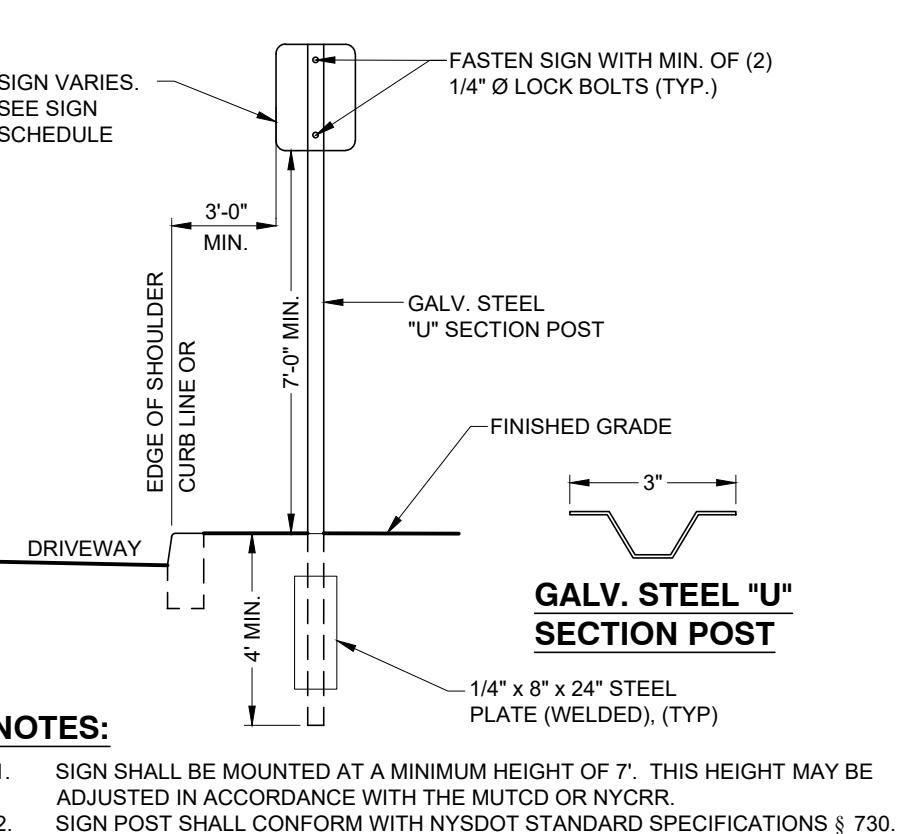
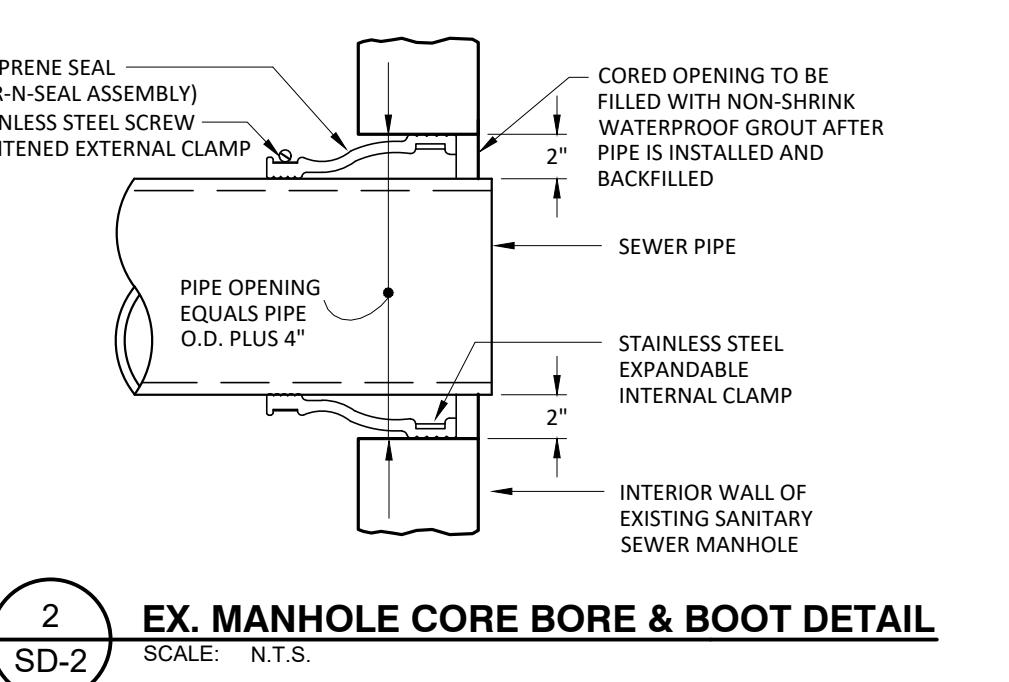
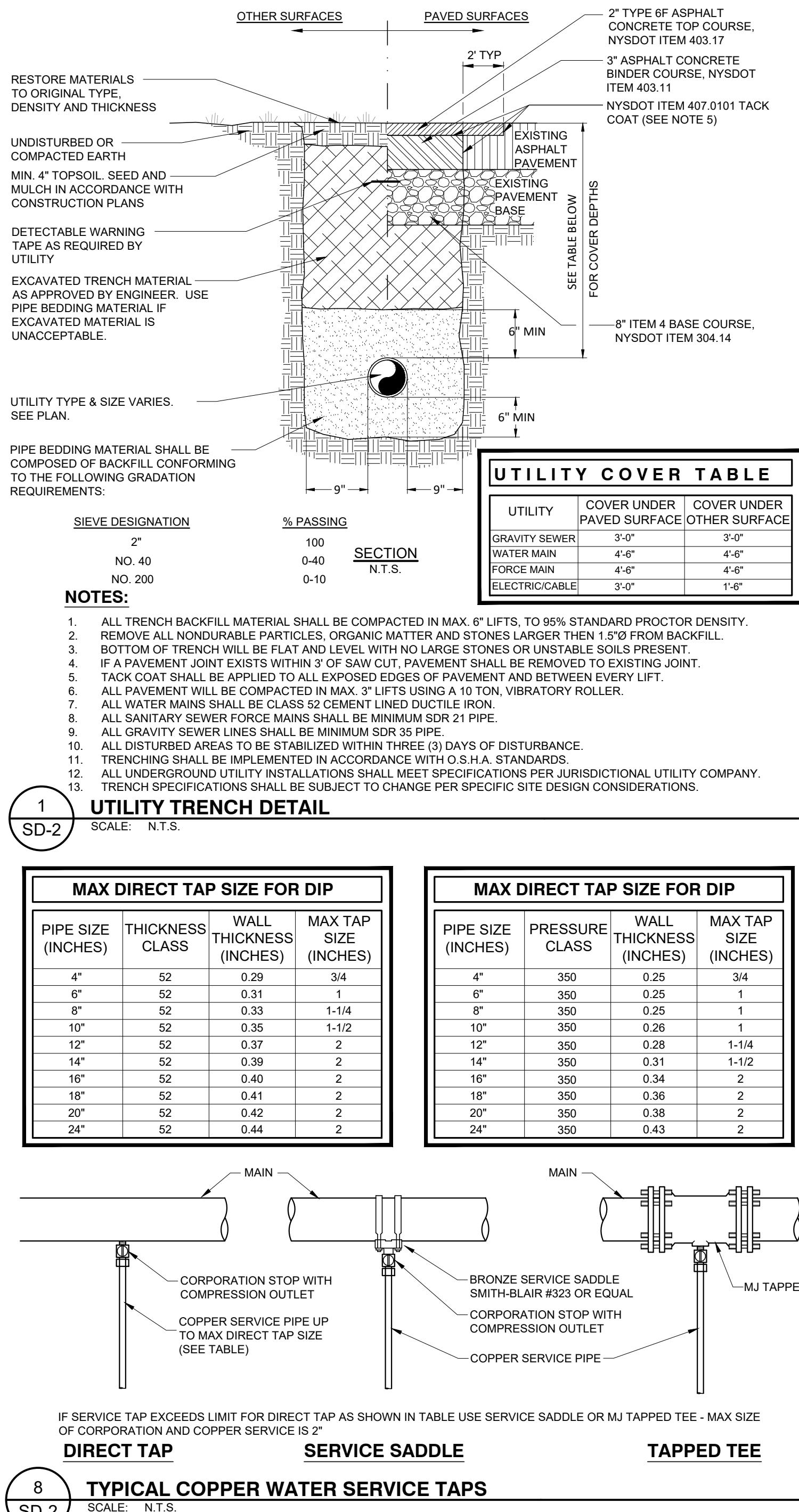
EROSION & SEDIMENT CONTROL PLAN

UMMIT DRIVE PROPERTIES LLC

SUMMIT DRIVE

TOWN OF MARLBOROUGH, ULSTER COUNTY, NEW YORK

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SHEET NO.	
SP-5	



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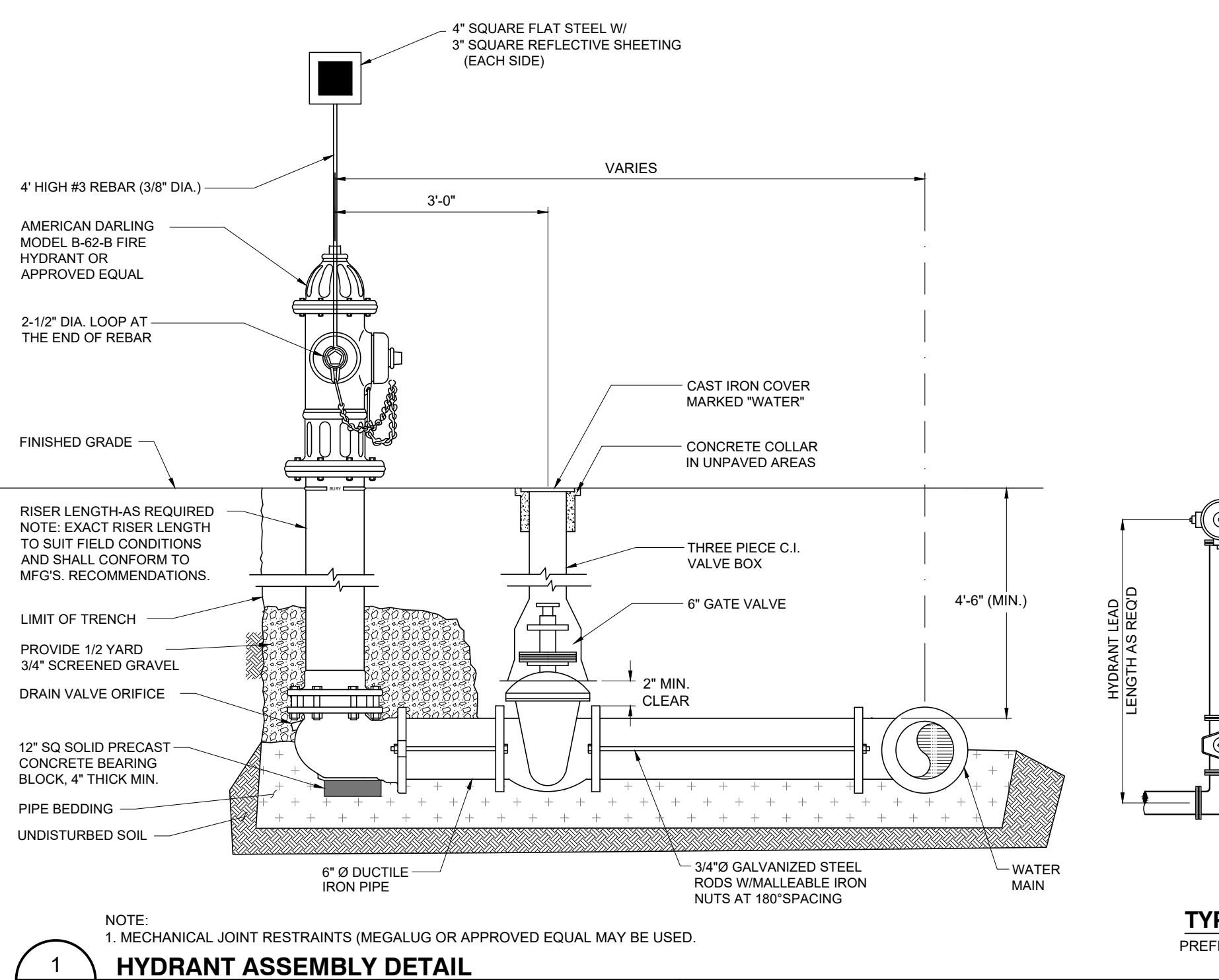


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SITE DETAILS		
SUMMIT DRIVE PROPERTIES LLC		
SUMMIT DRIVE		
TOWN OF MARLBOROUGH, ULSTER COUNTY, NEW YORK		

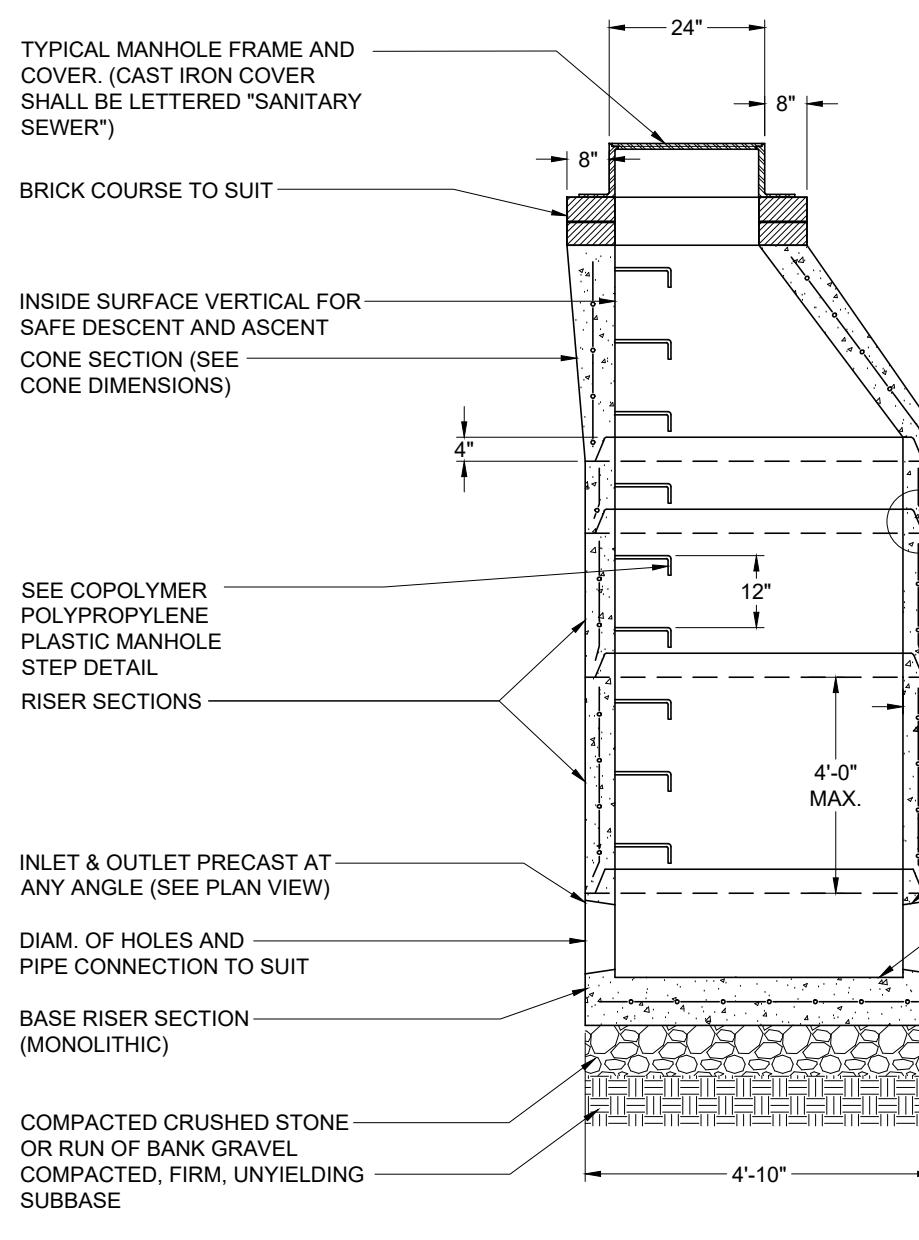
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SD-2	



1 HYDRANT ASSEMBLY DETAIL

SD-3

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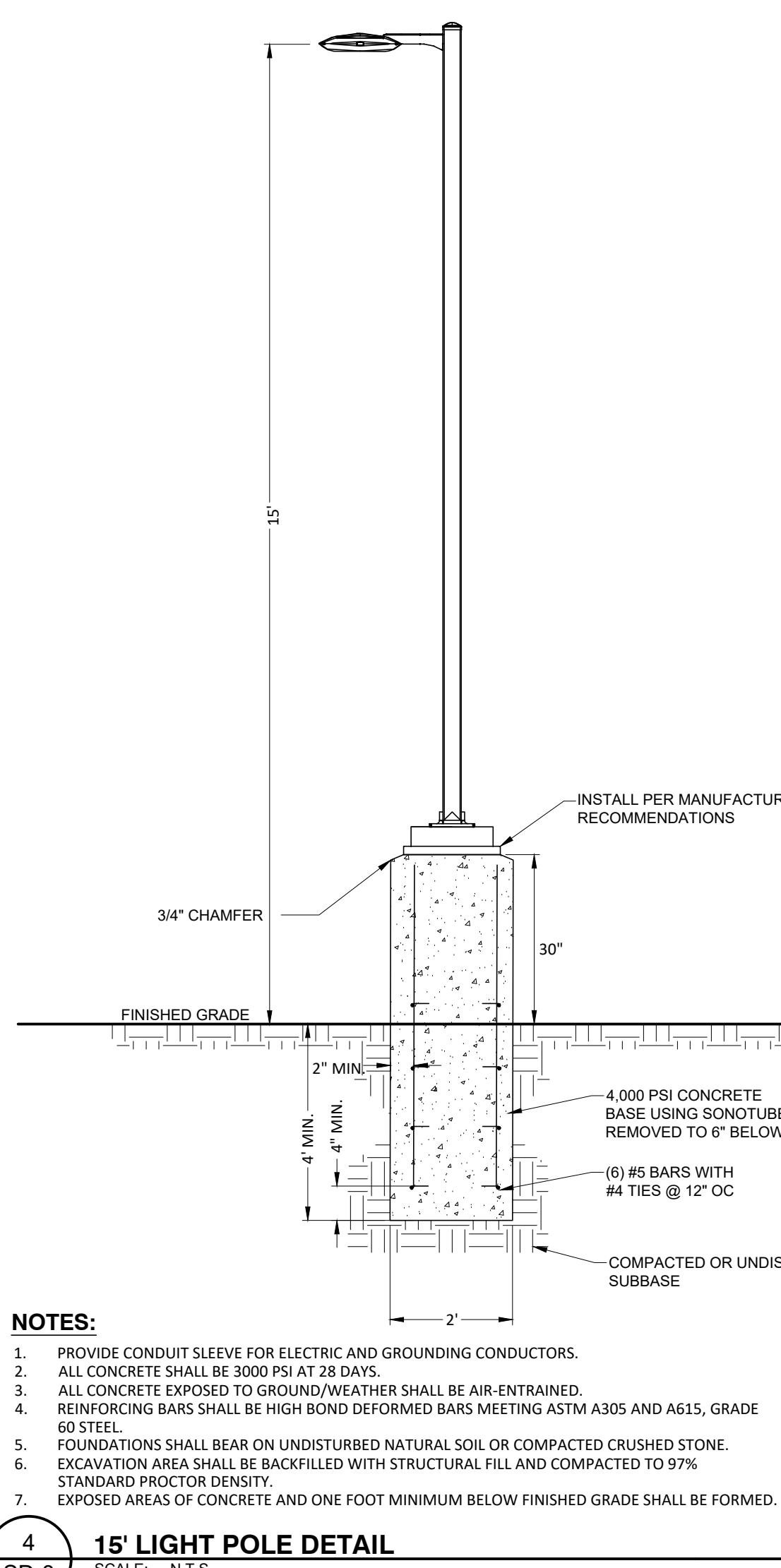
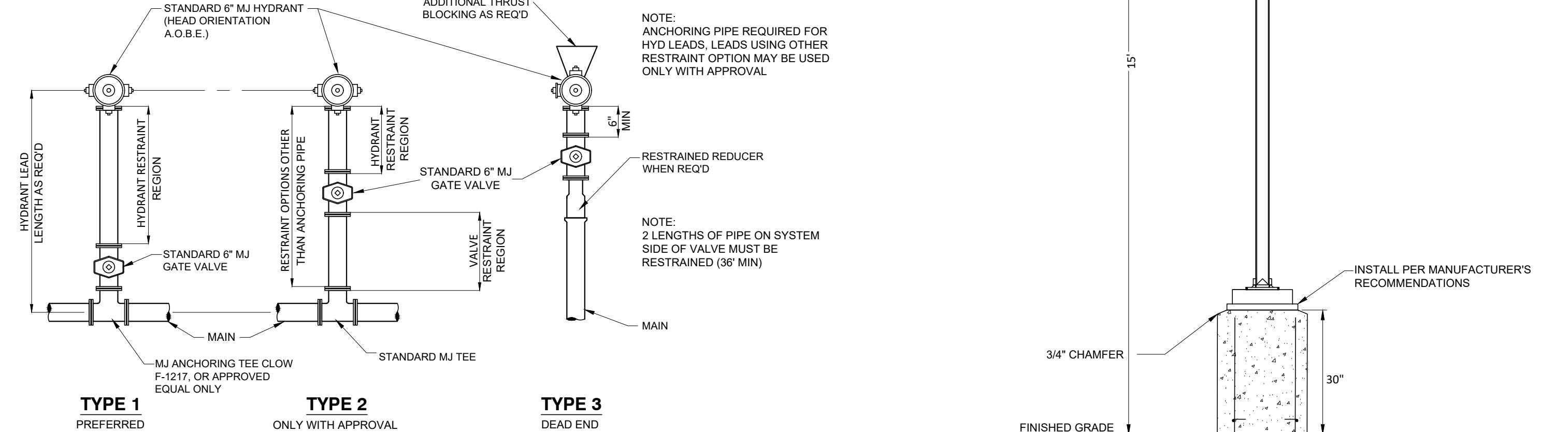
NOTES:

1. INVERT SHALL BE FILLETED.
2. MANHOLE SHALL BE WOODARD'S CONCRETE PRODUCTS, INC. PRECAST MANHOLE OR EQUAL.
3. CONCRETE TO TEST 4000 P.S.I. AT 28 DAYS IN CONFORMANCE WITH A.S.T.M. C-478-68.
4. MANHOLE, TOP, FRAME, AND COVER SHALL BE DESIGNED FOR H-20 VEHICULAR LOADING AND 30% IMPACT.

2 TYPICAL SANITARY MANHOLE DETAILS

SD-3

SCALE: N.T.S.

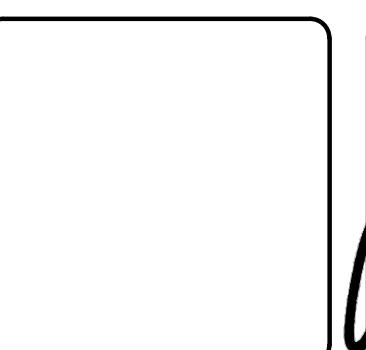
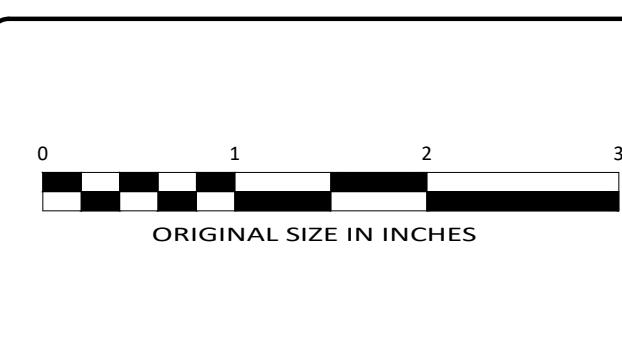
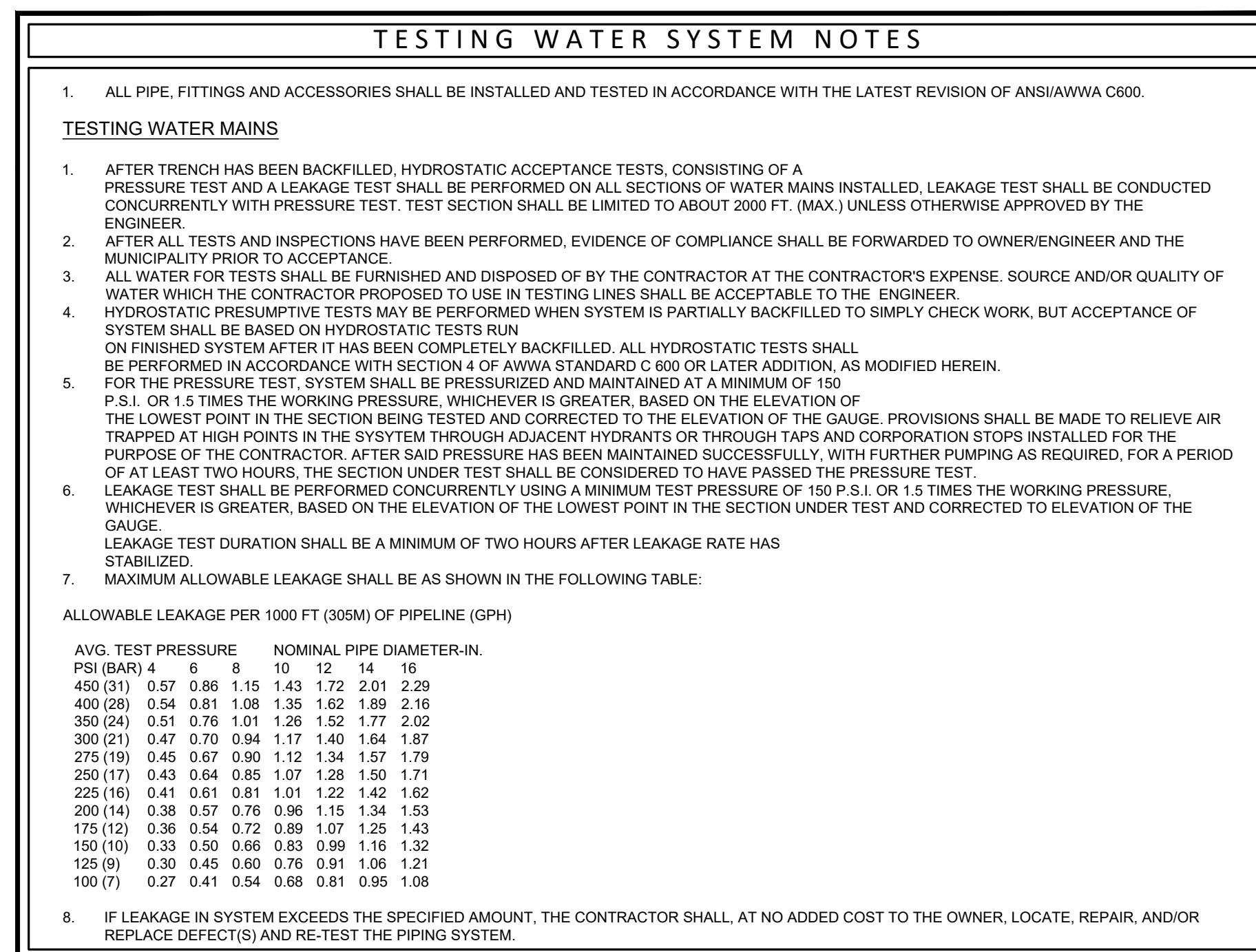
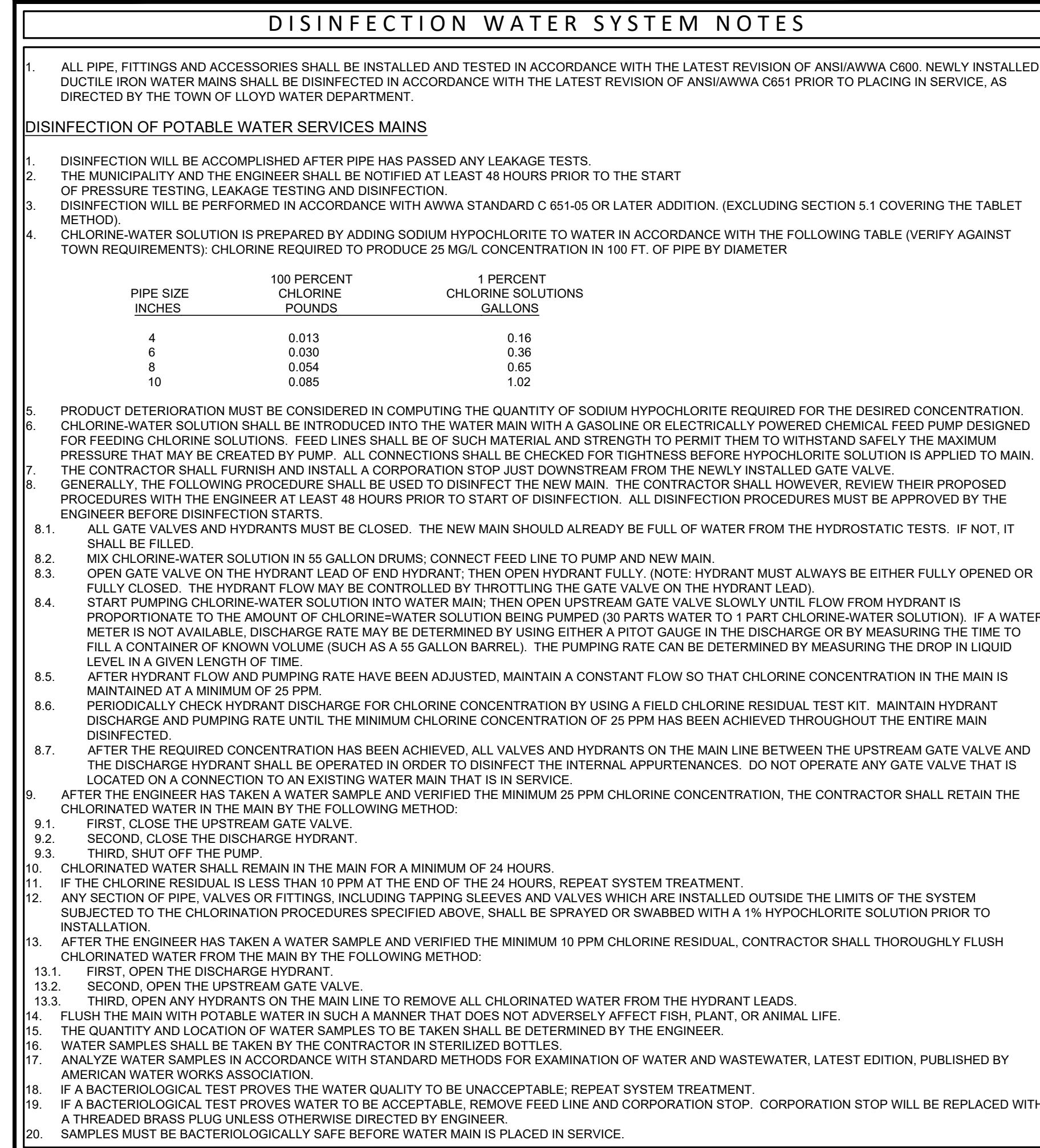


NOTES:

1. PROVIDE CONDUIT SLEEVE FOR ELECTRIC AND GROUNDING CONDUCTORS.
2. ALL CONCRETE SHALL BE 3000 PSI AT 28 DAYS.
3. ALL CONCRETE EXPOSED TO GROUND/WEATHER SHALL BE AIR-ENTRAINED.
4. REINFORCING BARS SHALL BE HIGH BOND DEFORMED BARS MEETING ASTM A305 AND A615, GRADE 60 STEEL.
5. FOUNDATIONS SHALL BEAR ON UNDISTURBED NATURAL SOIL OR COMPACTED CRUSHED STONE.
6. EXCAVATION AREA SHALL BE BACKFILLED WITH STRUCTURAL FILL AND COMPACTED TO 97% STANDARD PROCTOR DENSITY.
7. EXPOSED AREAS OF CONCRETE AND ONE FOOT MINIMUM BELOW FINISHED GRADE SHALL BE FORMED.

SD-3

SCALE: N.T.S.



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REV	DATE	DESCRIPTION

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SUMMIT DRIVE PROPERTIES LLC		
SUMMIT DRIVE		
TOWN OF MARLBOROUGH, ULSTER COUNTY, NEW YORK		

DRAWN BY	CHECKED BY
MLT	
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09/22/23	AS NOTED
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SHEET NO.	SD-3

EROSION AND SEDIMENT CONTROL NOTES - GENERAL

ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE STANDARDS AND PRINCIPLES AS OUTLINED IN THE "NEW YORK STATE STANDARDS FOR EROSION AND SEDIMENT CONTROL" AND THE "NEW YORK STATE CONSTRUCTION SEQUENCING SCHEDULE". WHERE THE DOCUMENT EXISTS, THE INTENT OF THE OUTLINED MEASURES IS TO MINIMIZE EROSION AND SEDIMENTATION DURING CONSTRUCTION, STABILIZE AND PROTECT THE SITE FROM EROSION AFTER CONSTRUCTION IS COMPLETE AND MITIGATE ANY ADVERSE IMPACTS TO STORMWATER QUALITY RESULTING FROM SEDIMENT RUNOFF CAUSED BY DEVELOPMENT ACTIVITIES.

NO SOIL STOCKPILE OR GRADED AREA SHALL REMAIN EXPOSED FOR MORE THAN 14 DAYS. THE EXPOSED AREA OR SOIL STOCKPILE SHALL BE STABILIZED WITHIN THE 14 DAY PERIOD. STABILIZATION MEASURES TO BE USED INCLUDE: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING AND STONE RIP RAP. DURING CONSTRUCTION, RUNOFF SHALL BE DIVERGED AROUND THE SITE WITH EARTH DIKES, PIPING, OR STABILIZED CHANNELS WHERE POSSIBLE. SHEET RUNOFF FROM THE SITE SHALL BE PROVIDED WITH BARRIER FILTERS. STONE RIP RAP SHALL BE PROVIDED AT THE OUTLETS OF DRAINAGE PIPES WHERE EROSION VELOCITIES ARE ENCOUNTERED.

TIMING OF CONTROL MEASURES

AS INDICATED ACCORDING TO THE CONSTRUCTION SEQUENCING SCHEDULE, ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED AND STABILIZED PRIOR TO COMMENCING ANY CLEARING OR GRAVING OF THE SITE. STABILIZATION CONTROLS SHALL BE INSTALLED CONCURRENTLY WITH THE APPLICABLE ACTIVITY, AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN TWENTY ONE (21) DAYS WILL BE STABILIZED WITH A TEMPORARY SEED AND MULCH WITHIN FOURTEEN (14) DAYS OF THE LAST DISTURBANCE. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, SILT FENCES AND HAY BALE BARRIERS AND ANY EARTH DIKES WILL BE REMOVED ONCE PERMANENT MEASURES AND STABILIZATION ARE ESTABLISHED.

GENERAL INSPECTION AND MAINTENANCE PRACTICE

THESE ARE THE GENERAL INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO IMPLEMENT THE PLAN DURING CONSTRUCTION.

- THE SMALLEST PRACTICAL PORTION OF THE SITE WILL BE DISTURBED AT ONE TIME.
- ALL CONTROL MEASURES WILL BE INSPECTED AT LEAST ONCE EACH WEEK.
- ALL MEASURES MUST BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.
- A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION.
- THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT THE COURSE OF CONSTRUCTION.

INSTALLATION NOTES

1. TEMPORARY SEEDING SHOULD BE MADE WITHIN 24 HOURS OF CONSTRUCTION OR DISTURBANCE. IF NOT, THE SOIL MUST BE SCARIFIED PRIOR TO SEEDING.

2. IN ORDER FOR MULCH TO BE EFFECTIVE IT MUST BE PLACED PRIOR TO MAJOR STORM EVENTS. IT WILL BE NECESSARY TO CLOSELY MONITOR WEATHER PREDICTIONS TO HAVE ADEQUATE WARNING OF SIGNIFICANT STORMS.

3. THE TIME PERIOD TO MULCH CAN RANGE FROM 14 TO 21 DAYS OF INACTIVITY ON AN AREA. THE LENGTH OF TIME VARYING WITH SITE CONDITIONS. PROFESSIONAL JUDGMENT SHALL BE USED TO EVALUATE THE INTERACTION OF SITE CONDITIONS, SOIL ERODIBILITY, SEASON OF YEAR, EXTENT OF DISTURBANCE, PROXIMITY TO SENSITIVE RESOURCES, ETC.) AND THE POTENTIAL IMPACT OF EROSION ON ADJACENT AREAS IN ORDER TO CHOOSE THE APPROPRIATE MULCH.

4. WHEN MULCH IS APPLIED TO PROVIDE PROTECTION OVER WINTER (PAST THE GROWING SEASON) IT SHALL BE AT THE RATE OF 6,000 LBS OF HAY OR STRAW PER ACRE. A TACKIFIER MAY BE ADDED TO THE MULCH.

SEDIMENT BARRIERS SHALL BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE AREA ABOVE THEM. (REFER TO CONSTRUCTION SEQUENCING SCHEDULE IN SWPPP REPORT FOR FURTHER INFORMATION).

130 (MIN.) POUNDS PURE LIVE PER ACRE

MULCH: LAYER OF COMMON HAY OR STRAW; 2 TONS PER ACRE

FERTILIZED COMMERCIAL 30-10-20, SLOW RELEASE APPROXIMATE RATE AS PER MANUFACTURER'S RECOMMENDATIONS (NO MORE THAN 1 LB NITROGEN PER 1000 SF).

EXISTING GRADE 4" MIN.

TOPSOIL: MIN. OF 4" DEPTH IN MOWED AREAS, 2" IN UNMOWED AREAS

SEEDING NOTES:

1. PROVIDE FRESH, CLEAN, NEW SEED COMPLYING WITH ESTABLISHED TOLERANCES FOR GERMINATION AND PURITY IN ACCORDANCE WITH THE U.S. DEPARTMENT OF AGRICULTURE RULES AND REGULATIONS UNDER THE LATEST EDITION OF THE FEDERAL SEED ACT. SEED SHALL BE MIXED BY THE DEALER AND SHALL BE DELIVERED TO THE SITE IN SEALED CONTAINERS THAT SHALL BEAR THE DEALER'S GUARANTEE ANALYSIS.

2. SEED MIXTURES:

FOR TEMPORARY SEEDING - OR - AREAS THAT WILL NOT BE MAINTAINED: RAPIDLY GERMINATING ANNUAL RYEGRASS; 300 LBS PER ACRE PERENNIAL RYEGRASS; 100 LBS PER ACRE CEREAL RYE; 30 LBS PER ACRE FOR USE ON LAWN AREAS AREAS TO BE MAINTAINED

ALTERNATE A (SUNNY SITE)

65% KENTUCKY BLUE GRASS BLEND: 88-114 LBS PER ACRE

20% PERENNIAL RYEGRASS: 26-35 LBS PER ACRE

15% FINE FESCUE: 19-26 LBS PER ACRE

TOTAL: 130-175 LBS PER ACRE

ALTERNATE B (SHADY SITE)

80% KENTUCKY BLUE GRASS BLEND*: 105-138 LBS PER ACRE

20% PERENNIAL RYEGRASS: 25-37 LBS PER ACRE

TOTAL: 130-175 LBS PER ACRE

*SHADE TOLERANT

3. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, OR HYDRO SEEDER (SLURRY INCLUDING SEED AND FERTILIZER), HYDRO-SEEDINGS, WHICH INCLUDE MULCH, MAY BE LEFT ON SOIL SURFACE. SEEDING RATES MUST BE INCREASED 10% DUE TO MULCH.

4. MULCH SEEDED AREAS WITH STRAW MULCH (2000 LBS PER ACRE)

5. IRRIGATE TO FULL SATURATE SOIL LAYER, BUT NOT TO DISLODGE PLANTING SOIL.

6. SEED BETWEEN APRIL 1ST AND MAY 15TH OR AUGUST 15TH AND OCTOBER 15TH. SEEDING MAY OCCUR BETWEEN MAY 15TH AND AUGUST 15TH IF ADEQUATE IRRIGATION IS PROVIDED.

TOPSOIL APPLICATION NOTES:

1. TOPSOIL SHALL BE DISTURBED TO A UNIFORM DEPTH OVER THE AREA. IT SHALL NOT BE PLACED WHEN IT IS PARTIALLY FROZEN, MUDDY OR ON FROZEN SPOTS OVER ICE, SNOW OR STANDING WATER.

2. TOPSOIL PLACED AND GRADED ON SLOPES STEEPER THAN 5% SHALL BE PROMPTLY FERTILIZED, SEEDED AND STABILIZED OR BACKFILLED WITH STABILIZABLE EQUIPMENT.

3. APPLY TOPSOIL IN THE FOLLOWING AMOUNTS FOR INTENDED USE:

MOVED LAWN: 4-8 INCHES

UNMOVED AREA: 2-4 INCHES

4. COMPLETE ROUGH GRAVEL AND GRAVEL GRADE, ALLOWING FOR DEPTH OF TOPSOIL TO BE ADDED. SCARIFY ALL DUG AREAS AND REGRADE. MULCH, FILTER BARRIERS AND FINE TEXTURED SUBSOIL AREAS, SCARIFY AT APPROXIMATELY 5% TO THE SLOPE DIRECTION IN SOIL AREAS THAT ARE STEEPER THAN 5%.

5. REMOVE REFUSE, WOODY PLANT PARTS, STONES OVER 3 INCHES IN DIAMETER, AND OTHER LITTER.

TOPSOIL MATERIAL NOTES:

THE FURNISHINGS OF NEW TOPSOIL SHALL BE OF A BETTER OR EQUAL QUALITY OF THE EXISTING ADJACENT TOPSOIL AND SHALL MEET THE FOLLOWING CRITERIA:

• TOPSOIL SHALL HAVE AT LEAST 2% BUT NOT MORE THAN 6% BY WEIGHT OF FINE TEXTURED STABILE ORGANIC MATERIAL.

• TOPSOIL SHALL NOT HAVE LESS THAN 20% FINE TEXTURED MATERIAL (PASSING THE NO. 200 SIEVE) AND NOT MORE THAN 15% CLAY.

• TOPSOIL SHALL BE RELATIVELY FREE OF STONES OVER 1" DIAMETER, THRASH, NOXIOUS WEEDS, AND WILL HAVE LESS THAN 10% GRAVEL BY VOLUME.

INSPECTION & MAINTENANCE NOTES:

1. TEMPORARY SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND UNHEALTHY GROWTH.

2. TEMPORARY SEEDINGS SHALL BE PERIODICALLY INSPECTED AT A MINIMUM 95% OF THE SOIL SURFACE SHOULD BE COVERED BY VEGETATION. IF ANY EVIDENCE OF EROSION OR SEDIMENTATION IS APPARENT, REPAIRS SHALL BE MADE AND OTHER TEMPORARY MEASURES USED IN THE INTERIM. (MULCH, FILTER BARRIERS, CHECK DAMS, ETC.)

3. ALL MULCHES MUST BE INSPECTED PERIODICALLY, IN PARTICULAR AFTER RAINSTORMS, TO CHECK FOR RUN EROSION.

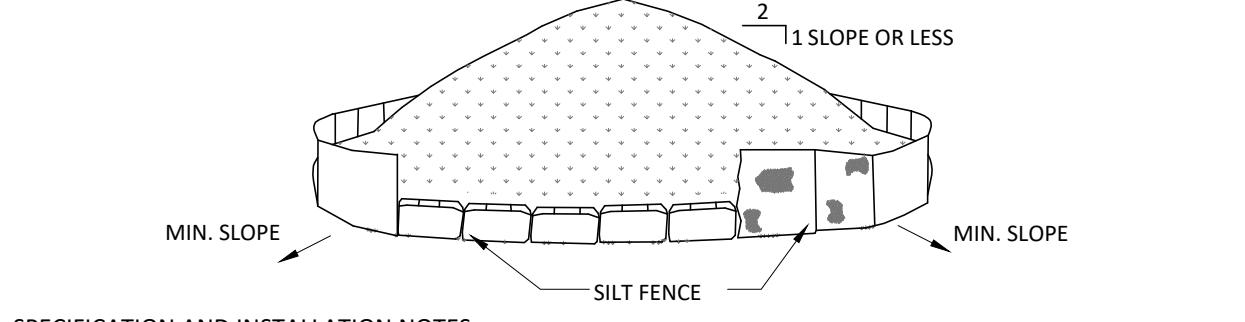
4. AERATE COMPACTED OR HEAVY USED AREAS, ANNUALLY AS SOON AS THE SOIL MOISTURE CONDITIONS PERMIT. AERATE A 6 TO 8 TIMES USING A SPOON HOLLOW TINE TYPE AERATOR. DO NOT USE SPIKE EQUIPMENT.

5. RESEED BARE AND THIN AREAS ANNUALLY WITH ORIGINAL SPECIES.

6. SOIL SHALL MAINTAIN A pH OF 6.0-7.0.

TOPSOIL, SEED AND MULCH DETAIL

SCALE: NTS



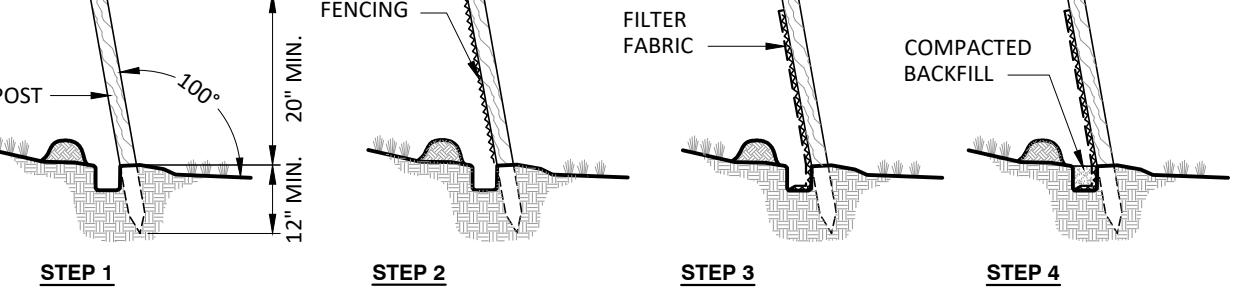
SPECIFICATION AND INSTALLATION NOTES:
 1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
 2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
 3. UPON COMPLETION OF STOCKPILING, EACH SHELF SHALL BE SURROUNDED WITH EITHER SILT FENCING OR HAY BALES STABILIZED WITH VEGETATION OR COVERED.

INSPECTION & MAINTENANCE NOTES:
 1. TOPSOIL AND TOPSOIL STOCKPILE SHOULD BE SEED IF THEY ARE TO REMAIN DORMANT FOR 30 DAYS.

2. SILT FENCE DETAIL FOR MAINTENANCE AND INSPECTION.

SOIL STOCKPILE DETAIL

SCALE: NTS



MATERIAL NOTES:
 1. SYNTHETIC FILTER FABRIC SHALL CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS TO PROVIDE A MINIMUM OF 6 MONTHS OF EXPECTED USABLE CONSTRUCTION LIFE AT A TEMPERATURE RANGE OF 0 DEGREES TO 120 DEGREE F. SYNTHETIC FILTER FABRIC SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIERS AS CONFORMING TO THE FOLLOWING REQUIREMENTS:

FABRIC PROPERTIES	MIN. ACCEPTED VALUE	TEST METHOD
GRAB TENSILE STRENGTH (lbs)	90	ASTM D1682
ELONGATION FAILURE AT (%)	50	ASTM D1682
MULLEN BURST STRENGTH (psi)	190	ASTM D3786
PUNCTURE STRENGTH (lbs)	40	ASTM D751 (MODIFIED)
SLURRY FLOW RATE (gal/min/sf)	0.3	
EQUIVALENT OPENING SIZE	40-80	US STD SIEVE CW-02215
ULTRAVIOLET RADIATION STABILITY (%)	90	ASTM G-26

2. THE HEIGHT OF THE SILT FENCE SHALL NOT EXCEED 36 INCHES.

3. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPliced TOGETHER ONLY AT SUPPORT POSTS, WITH A 6 INCH OVERLAP MINIMUM AND SHALL BE SECURELY SEALED.

INSTALLATION NOTES:

1. WHEN STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE SUBGRADE.

2. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND EIGHT (8) INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES, AND EIGHT (8) INCHES OF THE FABRIC SHALL BE PROTECTED FROM PUNCHING, CUTTING, OR TEARING. ANY DAMAGE OTHER THAN THE OCCASIONAL SMALL HOLE SHALL BE REPAIRED BY PLACING ANOTHER PIECE OF CLOTH OVER THE DAMAGED PART OR BY COMPLETELY REPLACING THE CLOTH. ALL OVERLAPS WHETHER FOR REPAIRS OR FOR JOINING TWO PIECES OF CLOTH SHALL BE A MINIMUM OF 1 FOOT.

3. WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS REMAINING THE SAME.

4. SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.

5. POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AND DRIVEN SECURELY INTO THE GROUND.

INSPECTION AND MAINTENANCE NOTES:

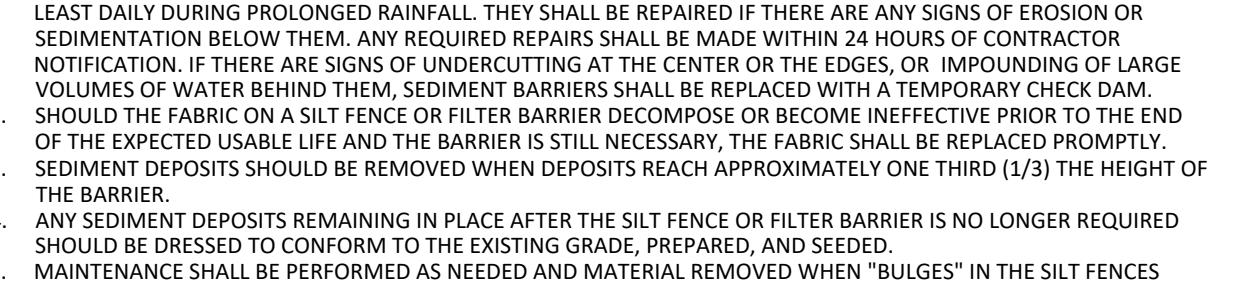
1. INSPECT THE STRUCTURE PERIODICALLY AND AFTER MAJOR STORM EVENTS.

2. REPAIR OR REPLACE PALENS STAKES IMMEDIATELY.

3. CHECK CHANNEL FOR SCOUR OR DEBRIS AND LOSS OF ROCK FROM APRONS.

RIPRAP OUTLET PROTECTION DETAIL

SCALE: NTS



SPECIFICATIONS AND INSTALLATION NOTES:

1. INLET PROTECTION SHALL BE INSTALLED IMMEDIATELY AFTER INSTALLATION OF CATCH BASIN OR YARD DRAIN AND BE MAINTAINED UNTIL UNIFORM DRAINSAGE AREA IS STABILIZED.

2. REPAIR OR REPLACE PALENS STAKES IMMEDIATELY.

3. STAKE MATERIALS SHALL BE STANDARD 2X4 WOOD WITH A MINIMUM LENGTH OF 3 FEET.

4. SPACE STAKES EVENLY AROUND INLET, 3 FEET APART AND DRIVE INTO THE GROUND A MINIMUM OF 18 INCHES.

SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.

5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GRADE AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.

INSPECTION & MAINTENANCE NOTES:

1. SEDIMENT DEPOSITS SHALL BE REMOVED AFTER REACHING $\frac{1}{3}$ OF THE HEIGHT OF THE FABRIC, OR MORE OFTEN IF THE FABRIC BECOMES CLOGGED.

2. THE INLET PROTECTION SHALL BE INSPECTED WITHIN 24 HOURS AFTER EACH RAINFALL, OR DAILY DURING EXTENDED PERIODS OF PRECIPITATION.

3. REPAIR OR REPLACE IMMEDIATELY, AS NECESSARY, TO PREVENT PARTICLES FROM REACHING THE DRAINAGE SYSTEM AND/OR CAUSING SURFACE FLOODING.

4. SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USE LIFE AND THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED WITHIN 24 HOURS OF CONTRACTOR NOTIFICATION.

CATCH BASIN / YARD INLET PROTECTION DETAIL

SCALE: NTS

