

SITE DATA:

OWNER / DEVELOPER: MGM DESIGN & CONSTRUCTION GROUP, LLC
 317 ELWOOD AVENUE
 HAWTHORNE, NY 10532

PROJECT LOCATION: 5 HAWKES AVENUE
 OSSINING, NY 10562

EXISTING TOWN ZONING: R-20, ONE-FAMILY RESIDENTIAL
 PROPOSED USE: R-20, ONE-FAMILY RESIDENTIAL

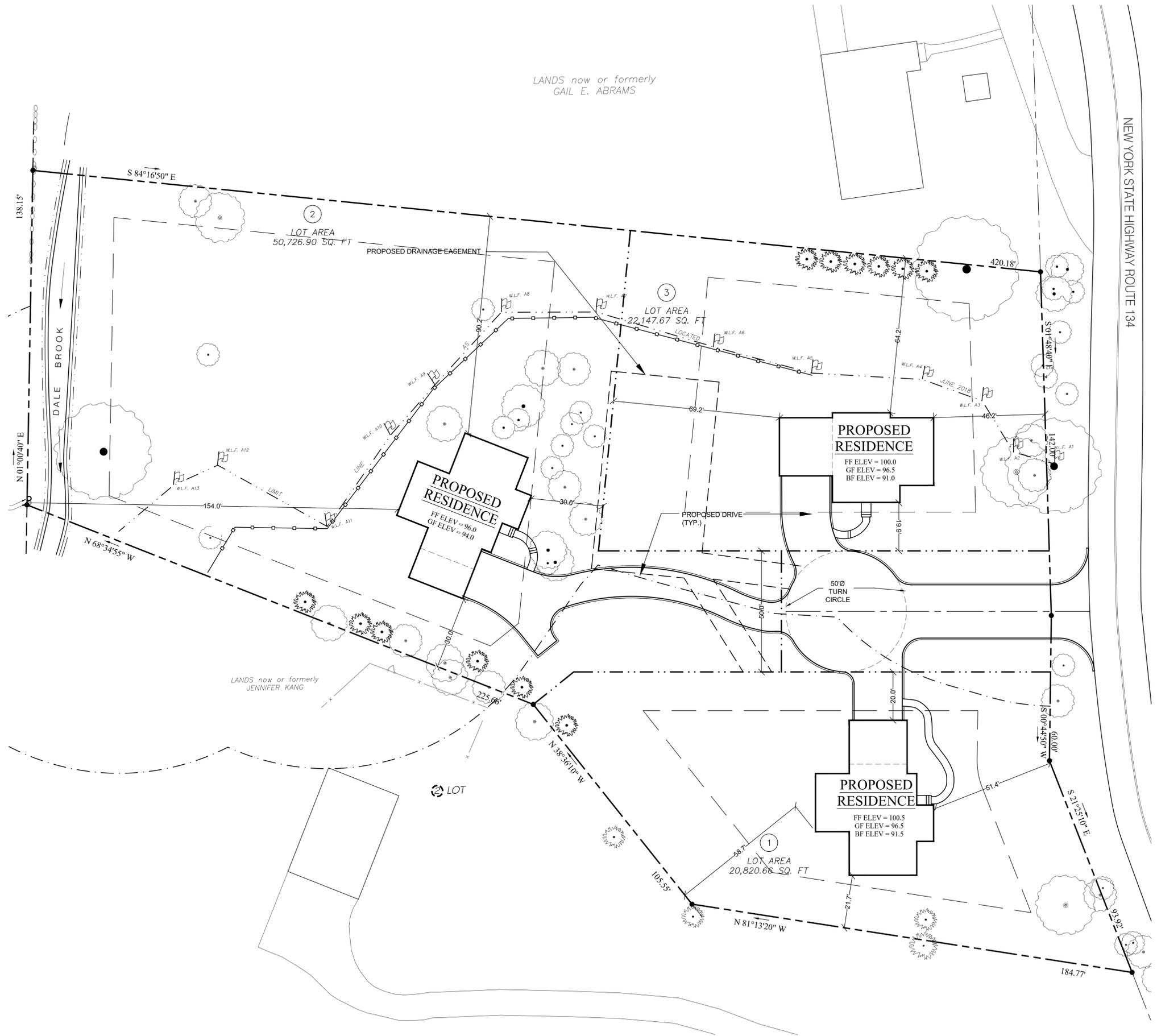
TOWN TAX MAP DATA: SECTION 2, BLOCK 4, LOT 26
 SITE AREA: 2.15 ACRES (90,695.23 SF)

SEWAGE FACILITIES: PUBLIC SEWERS
 WATER FACILITIES: PUBLIC WATER FACILITIES

ZONING SCHEDULE:

ZONING DISTRICT: R-20, ONE FAMILY RESIDENTIAL					
DIMENSIONAL REGULATIONS:	REQUIRED	LOT 1	LOT 2	LOT 3	VARIANCE REQUIRED
MINIMUM SIZE OF LOT:					
MINIMUM LOT AREA:	20,000 SF.	20,820 SF.	50,726 SF.	22,147 SF.	NONE
MINIMUM LOT WIDTH:	90 FT.	112 FT.	138 FT.	115 FT.	NONE
MINIMUM LOT DEPTH:	130 FT.	182 FT.	249 FT.	180 FT.	NONE
MINIMUM YARD DIMENSIONS:					
PRINCIPAL BUILDING:					
FRONT YARD SETBACK:	30 FT.	51.4 FT.	30 FT.	46.2 FT.	NONE
REAR YARD SETBACK:	34 FT.	58.7 FT.	154 FT.	79.6 FT.	NONE
ONE SIDE YARD SETBACK:	16 FT.	20 FT.	30 FT.	19.9 FT.	NONE
COMBINED SIDE YARD SETBACK:	34 FT.	21.7 FT.	120.2 FT.	38.4 FT.	NONE
MAXIMUM % OF LOT TO BE OCCUPIED:					
LOT COVERAGE:	SEE NOTE 1	2,389 SF	4,493 SF	2,401 SF	NONE
BUILDING COVERAGE:	22%	10.3%	4.2%	8.8%	NONE
MAXIMUM HEIGHT:					
PRINCIPAL BUILDING - FEET:	35 FEET	30 FEET	30 FEET	30 FEET	NONE
PRINCIPAL BUILDING - STORIES:	2 1/2	2 1/2	2 1/2	2 1/2	NONE

ZONING REGULATION NOTES:
 1. MAX IMPERVIOUS COVERAGE SHALL BE PER SECTION 200-21(B).



NOTES:
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Site Design Consultants
 Civil Engineers • Land Planners
 251 F Underhill Avenue, Yorktown Heights, NY 10598
 (914) 962-4488 - Fax (914) 962-7386
 email: sdc@cloud9.net



Revisions:	No.	Date	Comments:
	1	2/5/19	Final Revisions

SCALE: 1" = 20'
 DRAWN BY: TK
 DATE: 3/23/18

TOWN TAX MAP DATA:
 SECTION: 2
 BLOCK: 4
 LOT AREA: 2.15 ACRES

EROSION & SEDIMENT CONTROL PLAN
 PREPARED FOR
MGM DESIGN & CONSTRUCTION GROUP, LLC
 Westchester Co., New York
 5 Hawkes Avenue Town of Ossining



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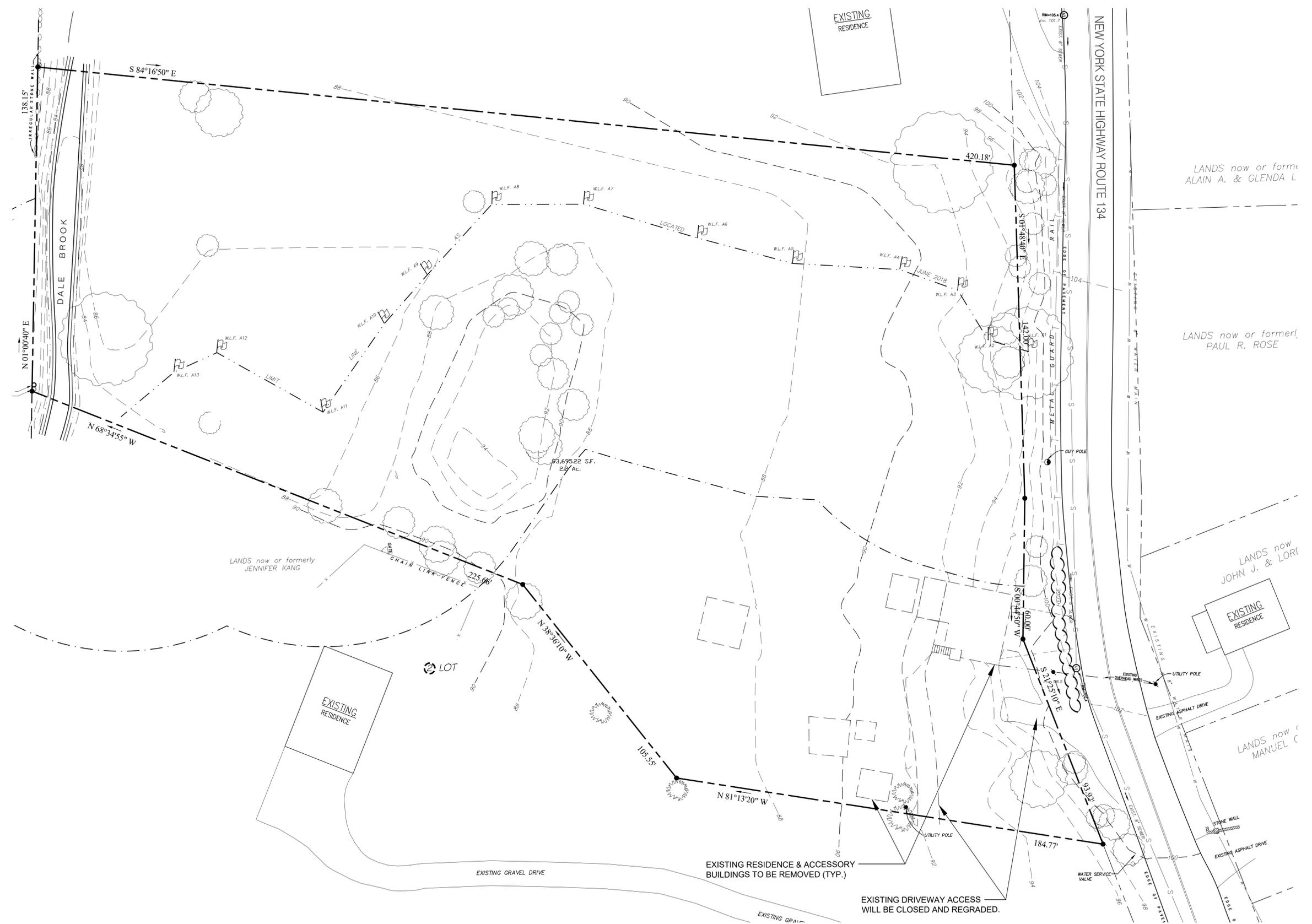


Revisions:	No.	Date	Comments:
	1	2/5/19	Final Revisions

SCALE: 1" = 20'
DRAWN BY: TK
DATE: 3/2/18

TOWN TAX MAP DATA:
SECTION: 2
BLOCK: 4
LOT AREA: 2.15 ACRES

EXISTING CONDITIONS PLAN
PREPARED FOR
MGM DESIGN & CONSTRUCTION GROUP, LLC
Westchester Co., New York
5 Hawkes Avenue
Town of Ossining



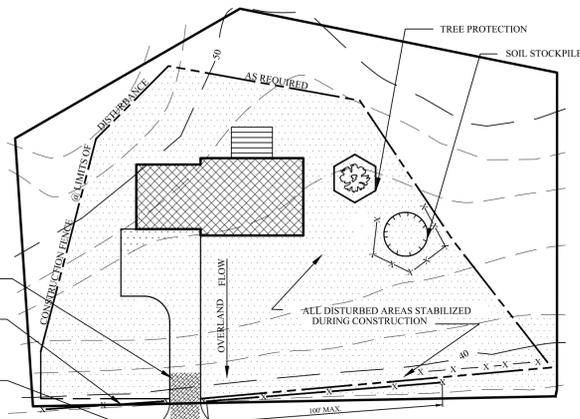
NOTES:
1. UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW.

EROSION CONTROL GENERAL NOTES:

1. PRIOR TO STARTING ANY CONSTRUCTION, TEMPORARY SILT TRAPS, BALED STRAW EROSION CHECKS, SEDIMENTATION FENCES AND OTHER APPROVED EROSION CONTROL MEASURES SHALL BE PLACED AS SHOWN ON THESE PLANS. IN ADDITION, FURTHER SEDIMENT AND EROSION CONTROL MEASURES, INCLUDING BUT NOT LIMITED TO SEDIMENTATION FENCES AND/OR STAKED HAY BALES SHALL BE INSTALLED WHERE DEEMED NECESSARY, DUE TO SITE CONDITIONS, TO SUPPLEMENT THE EXISTING EROSION CONTROL PLAN.
2. CONTRACTOR SHALL TAKE EXTRA CARE WITH RESPECT TO LAND EXPOSED DURING DEVELOPMENT. THE EXPOSED LAND AREA SHALL BE KEPT TO A MINIMAL TIME PERIOD. PERMANENT VEGETATION, PAVING, AND STRUCTURES WILL BE INSTALLED AT THE EARLIEST POSSIBLE OPPORTUNITY.
3. ALL TEMPORARY EROSION CONTROL MEASURES SHALL REMAIN IN PLACE AND RECEIVE REGULAR MAINTENANCE TO ENSURE PROPER FUNCTIONING CONDITIONS UNTIL ALL AREAS EXPOSED DURING SITE CONSTRUCTION HAVE BEEN STABILIZED WITH PAVEMENT, PERMANENT STRUCTURES AND/OR FINAL VEGETATIVE COVERAGE AND APPROVAL HAS BEEN GIVEN BY THE MUNICIPAL AUTHORITY HAVING JURISDICTION THEREOF.
4. THIS ENGINEER IS RESPONSIBLE FOR FINAL CONSTRUCTION DETAILS ONLY.
5. THIS ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION SUPERVISION.
6. CONTRACTOR SHALL COMPLY WITH CODE 53 AND NOTIFY ALL UTILITY COMPANIES TO LOCATE UNDERGROUND UTILITIES THREE DAYS PRIOR TO STATING ANY WORK.
7. ALL EXCAVATED AND DISTURBED AREAS SHALL BE PROTECTED TO AVOID PERSONAL INJURY. THESE PROTECTIVE DEVICES SHALL CONFORM TO OSHA STANDARDS.
8. WHEREVER FEASIBLE, ALL EXISTING VEGETATION SHALL BE RETAINED AND PROTECTED WITH SILT FENCING. ALL TREES TO REMAIN SHALL BE PROTECTED WITH SILT FENCE PLACED AROUND THE DRIP LINE PRIOR TO BEGINNING CONSTRUCTION IN ITS PROXIMITY.
9. SILT TRAPS SHALL BE CLEANED OUT WHEN THE ACCUMULATED SEDIMENT HAS REDUCED THE CAPACITY OF THE TRAP BY APPROXIMATELY 50 PERCENT; SEDIMENT REMOVED FROM THE TRAP SHALL BE PROPERLY DISPOSED OF TO PREVENT ITS REENTRANCE TO THE DRAINAGE SWALE AND TRAP. SMALL QUANTITIES OF SEDIMENT SHOULD BE PLACED BEHIND PROTECTIVE BERMS. LARGER QUANTITIES OF SEDIMENT SHOULD BE STOCKPILED A SUITABLE DISTANCE AWAY FROM DRAINAGE COURSE AND CONTAINED BY PROTECTIVE BERMS AND VEGETATED.

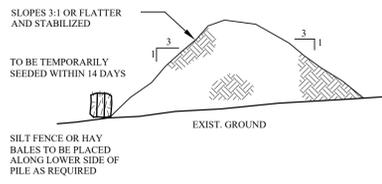
CONSTRUCTION SPECIFICATIONS

1. BALES SHALL BE PLACED AT THE TOP OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR / REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.



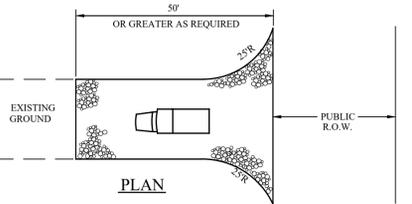
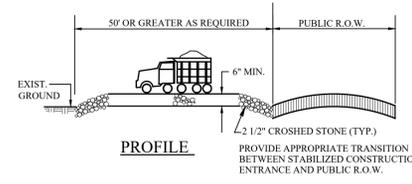
TYPICAL LOT SPECIFIC EROSION AND SEDIMENT CONTROL DETAIL
N.T.S.

NOTES:
REFER TO OTHER DETAIL NOTES WHERE APPROPRIATE MEASURES ARE APPLICABLE TO CLEARING, EXCAVATION, CONSTRUCTION, AND STABILIZATION.
MAX SLOPE LENGTH MAY BE UP TO 200 FT. PER 1/2 ACRE TRIBUTARY TO EACH 100 FT. WIDTH OF SILT FENCE.
ANY ON SITE SWALES SHOULD ALSO BE STABILIZED WITH APPROPRIATE MEASURES SUCH AS RITE NETTING, CHECK DAMS, AND SEDIMENT TRAPS.
IF THERE IS A SIGNIFICANT CHANGE TO THE APPROVED LOT CONCEPT (E.G. HOUSE LOCATION, DRIVEWAY LOCATION ETC. THE NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION SHALL BE COPIED WITH THE INDIVIDUAL SITE PLANS THAT ARE BEING SUBMITTED FOR PLANNING BOARD REVIEW.



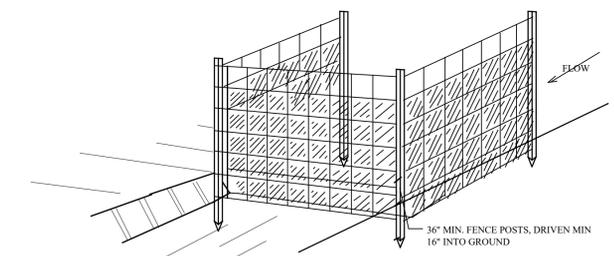
- INSTALLATION NOTES**
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
 2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
 3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.
 4. SEE DETAIL, THIS SHEET, FOR INSTALLATION OF SILT FENCE.

SOIL STOCKPILING DETAIL
N.T.S.

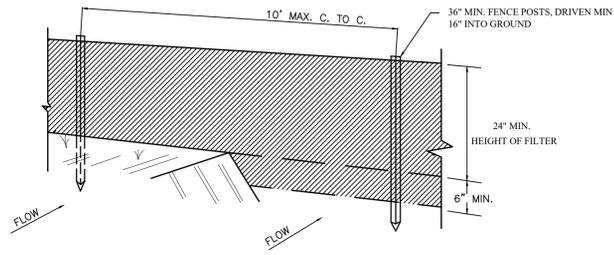


- INSTALLATION NOTES**
1. STONE SIZE - USE 3" MIN. STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
 2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENTIAL LOT WHERE A 20 FOOT MINIMUM LENGTH WOULD APPLY).
 3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
 4. WIDTH - 10 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR.
 5. 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 TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.
 6. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 7. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 8. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

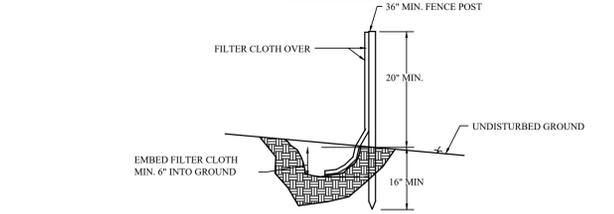
STABILIZED CONSTRUCTION ENTRANCE
N.T.S.



PERSPECTIVE VIEW

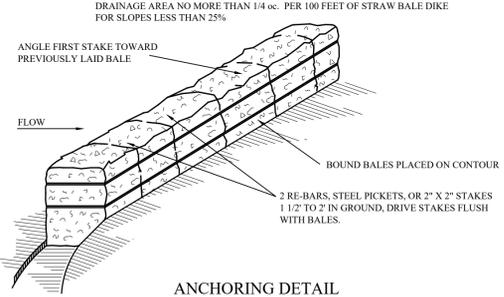


PERSPECTIVE VIEW

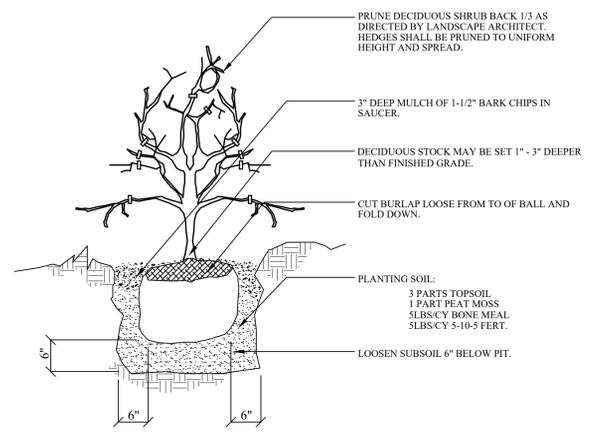


SECTION

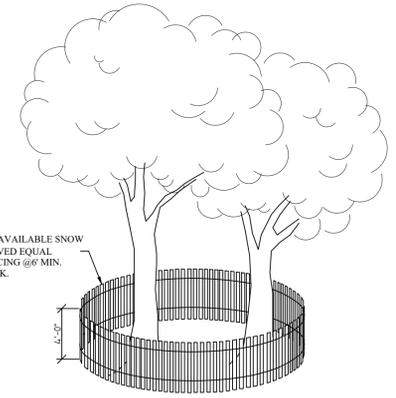
HORSESHOE SILT FENCE
N.T.S.



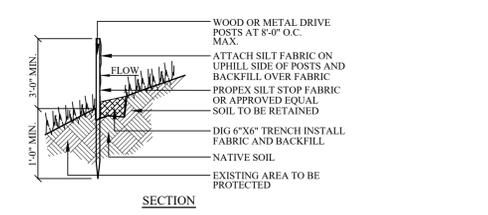
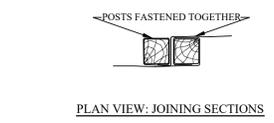
ANCHOR AND EROSION BEDDING DETAIL
N.T.S.



TYPICAL SHRUB PLANTING DETAIL
N.T.S.

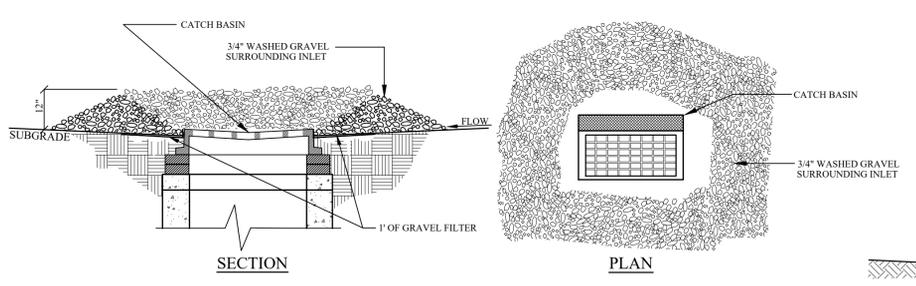


TREE PROTECTION DETAIL
N.T.S.



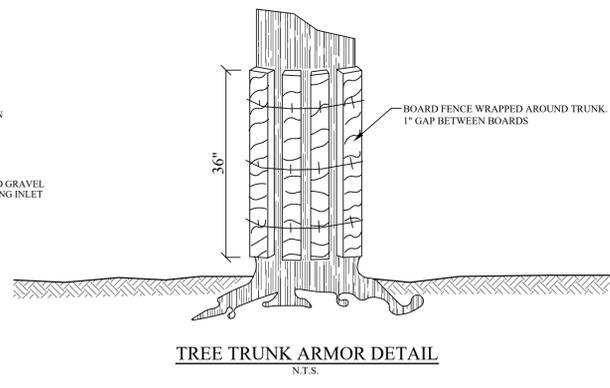
- INSTALLATION NOTES**
1. EXCAVATE 6 INCH TRENCH ALONG THE LOWER PERIMETER OF THE SITE.
 2. UNROLL A SECTION AT A TIME AND POSITION THE POST AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH (NET SIDE AWAY FROM DIRECTION OF FLOW).
 3. DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS APPROXIMATELY 2 INCHES FROM THE TRENCH BOTTOM.
 4. LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH. BACKFILL THE TRENCH AND TAMP THE SOIL. STEEPER SLOPES REQUIRE AN INTERCEPT TRENCH.
 5. JOIN SECTIONS AS SHOWN ABOVE.

SILT FENCE
N.T.S.



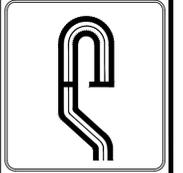
- NOTES:**
1. USE CLEAN STONE OR GRAVEL 1/2-3/4" IN DIAMETER PLACED 2" BELOW THE TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
 2. A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3" STONE AS SHOWN ON THE DETAIL.

INLET PROTECTION
N.T.S.



TREE TRUNK ARMOR DETAIL
N.T.S.

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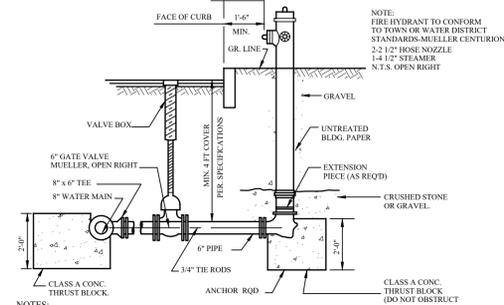
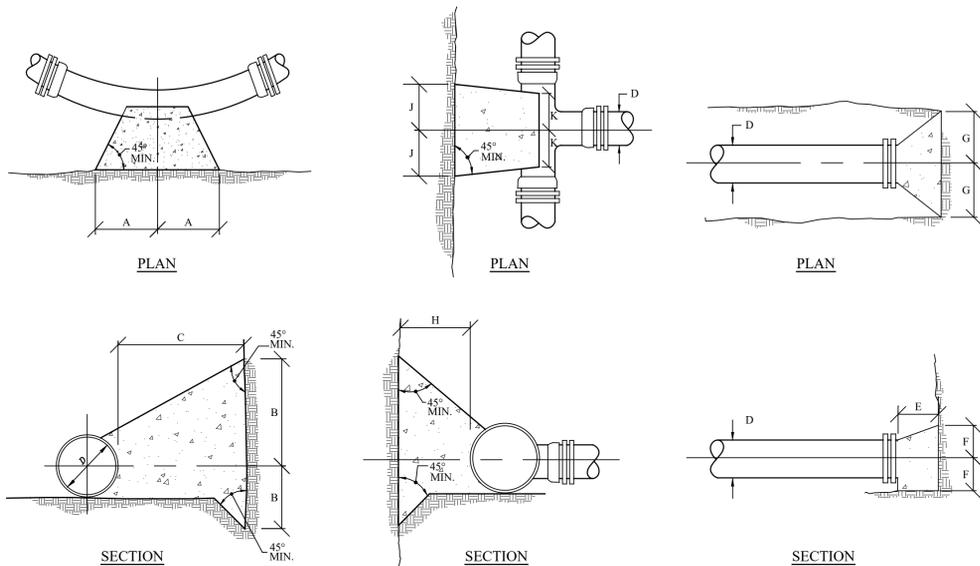


Revisions:	Date	Comments
1.	2/2/19	Plan Revisions

SCALE: N.T.S.	DRAWN BY: TK	DATE: 2/2/18
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TOWN TAX MAP DATA:
SECTION: 8.4
BLOCK: 28
LOT: 4
LOT AREA: 1.87 AC

EROSION AND SEDIMENT CONTROL DETAILS
PREPARED FOR
MGM DESIGN & CONSTRUCTION GROUP, LLC
Westchester Co., New York
5 Hawkes Avenue Town of Ossining



- NOTES:**
1. ALL CONCRETE BLOCKS TO BEAR UNDISTURBED GROUND
 2. (4) 3/4" D BITUMINOUS COATED RODS WILL BE REQUIRED TYING HYDRANT TO VALVE TO WATER MAIN
 3. WHERE THE WATER TABLE IS WITHIN 7 FEET OF THE HYDRANT DRAINS SHOULD BE PLUGGED. WHEN THE DRAINS ARE PLUGGED, THE BARRELS MUST BE PLUMBED DRY AFTER USE. DURING FREEZING WEATHER, WHERE HYDRANT DRAINS ARE NOT PLUGGED, A GRAVEL POCKET OR DRYWELL SHALL BE PROVIDED UNLESS THE NATURAL SOILS WILL PROVIDE ADEQUATE DRAINAGE. HYDRANT DRAINS SHALL NOT BE CONNECTED WITHIN 10 FEET OF SANITARY OR STORM DRAINS

TYPICAL HYDRANT
N.T.S.

BEND	D	6"	8"	10"	12"
11-1/4°	A	6"	8"		
	B	12"	12"		
	C	12"	12"		
22-1/2°	A	8"	8"		
	B	12"	12"		
	C	12"	12"		
45°	A	8"	8"		
	B	12"	14"		
	C	8"	10"		
90°	A	13"	18"		
	B	13"	18"		
	C	8"	14"		

D	6"	8"	10"	12"
H	8"	18"		
I	12"	18"		
J	12"	14"		
D	8"	8"	8"	8"

TEE

D	6"	8"	10"	12"
E	6"	16"		
F	12"	20"		
G	12"	20"		

END

NOTES:

- ALL CONCRETE SHALL BE 2500 PSI. (MIN.)
- ALL THRUST BLOCKS SHALL BE CARRIED TO UNDISTURBED EARTH; MINIMUM BEARING AREA SHALL BE 4 SQ. FT.
- ALL DIMENSIONS SHOWN ARE MINIMUM.
- ALL BOLTS SHALL BE COVERED WITH BURLAP BEFORE POURING CONCRETE.

THRUST BLOCK DETAILS
SCALE: N.T.S.

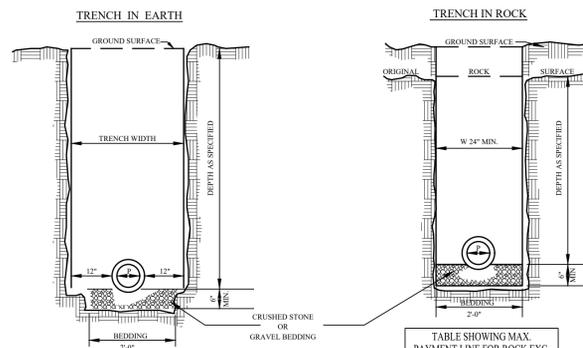
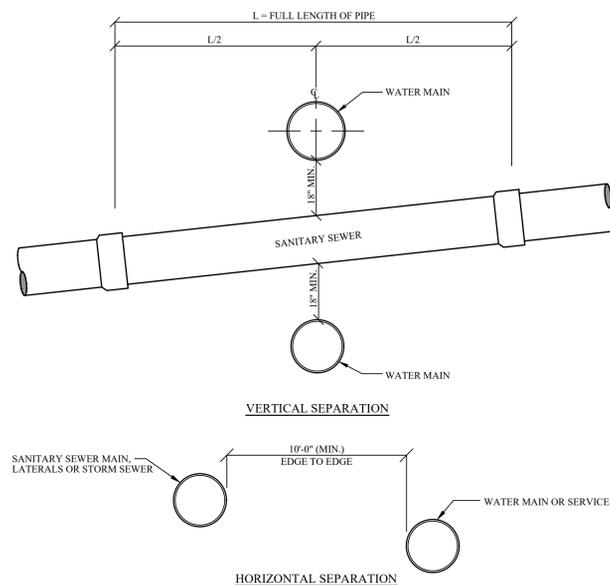


TABLE SHOWING MAX. PAYMENT LINE FOR ROCK EXC.

Depth to F.L. "ft"	Allowable Width "ft"
0 to 8	p = 16"
8 to 12	p = 22"
12 to 16	p = 28"
16 to 20	p = 34"
over 20	p = 40"

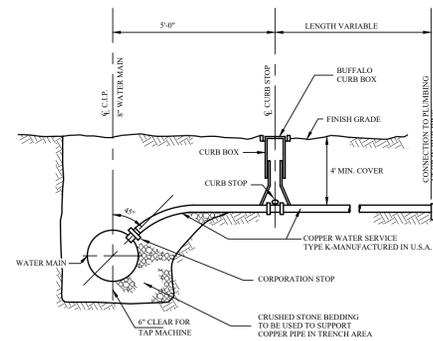
- NOTE:**
1. CRUSHED STONE OR GRAVEL BEDDING, COST OF SAME TO BE INCLUDED IN THE UNIT PRICE BID FOR PIPE
 2. PAYMENT LIMIT LINES FOR EXCAVATION IN EARTH OR ROCK, FOR MANHOLES, CATCH BASINS AND OTHER STRUCTURES SHALL BE SIX (6) INCHES BEYOND THE NEAT LINES OF THE STRUCTURE.

TRENCH DETAIL
N.T.S.



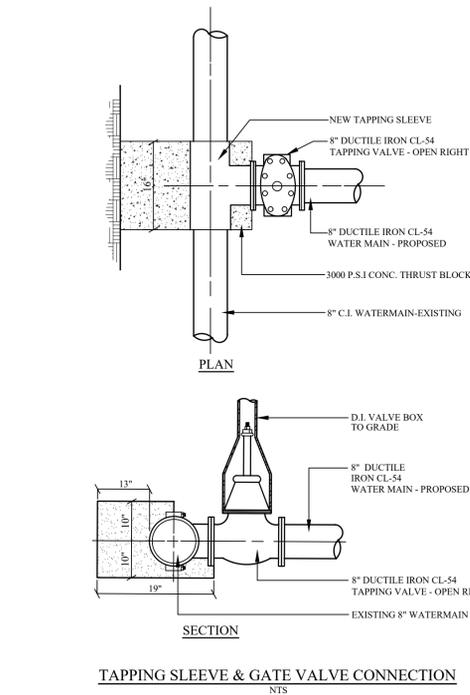
- NOTES:**
1. WHERE THE SANITARY SEWER MAIN CROSSES THE WATER MAIN AN 18" MINIMUM VERTICAL SEPARATION SHALL BE MAINTAINED. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE.
 2. WHERE THE SANITARY SEWER MAIN RUNS PARALLEL TO AN EXISTING OR PROPOSED WATER MAIN A 10" MINIMUM HORIZONTAL SEPARATION SHALL BE MAINTAINED. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE.
 3. ANY DEVIATION FROM THE REQUIRED MINIMUM SEPARATIONS SHALL BE SUBJECT TO A REVIEW AND APPROVAL BY THE WESTCHESTER COUNTY DEPARTMENT OF HEALTH PRIOR TO CONSTRUCTION.
 4. IF NON PRESSURE CAST IRON, VITRIFIED TILE OR ASBESTOS CEMENT SEWER PIPE PASSES BENEATH A WATER MAIN WITH A VERTICAL SEPARATION(S) OF LESS THAN 18" THEN THE SEWER LINE MUST BE INSTALLED AS FOLLOWS:
 - a) THREE (3) LENGTHS OF EITHER CAST IRON OR ASBESTOS CEMENT PRESSURE PIPE MUST BE USED. THE MIDDLE LENGTHS SHALL BE PLACED SO THAT THE JOINTS ARE EQUIDISTANT FROM THE WATER MAIN (SEE DETAIL)
 - b) THREE (3) LENGTHS OF PRESSURE PIPE MUST BE TESTED IN THE SAME MANNER AS REQUIRED FOR WATER MAINS. (SEE SPECIFICATIONS)
 - c) IN THOSE CASES WHERE, DUE TO FIELD CONDITIONS THE SEWER MUST BE PLACED ABOVE THE WATER MAIN, THEN THE REQUIREMENTS AS STATED IN (A) & (B) MUST BE ADHERED TO.
 - d) EACH VARIATION OF WATER-SEWER CROSSING FROM THAT SHOWN ON THIS DETAIL SHALL BE INDIVIDUALLY REVIEWED AND APPROVED BY THE HEALTH DEPT.

SEWER & WATERMAIN CROSSING
N.T.S.



NOTE: CURB STOP AND CORPORATION STOP TO BE MUELLER OR EQUAL.

TYPICAL HOUSE CONNECTION
N.T.S.



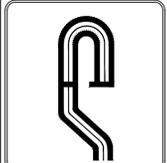
TAPPING SLEEVE & GATE VALVE CONNECTION
N.T.S.

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Water Main Notes:

1. Water mains crossing house sewers, storm sewers or sanitary sewers shall be laid to provide a vertical separation of a minimum of 18" between the bottom of water main and top of sewer.
2. Water mains passing under house sewers, in addition, shall be protected by providing a vertical separation of 18" minimum from the bottom of the sewer to the top of the water main and adequate structural support for the sewer to prevent excessive deflection of the joints and the sewer settling and breaking the water main. In addition the length of water pipe to be centered at the point of crossing so that the joints will be equidistant and as far as possible from the sewer. No water main shall pass through or come in contact with any part of a sewer or sewer manhole.
3. The cover over the top of the water main shall be a minimum of 4 feet to a maximum of 5.5 ft.
4. Water mains to be ductile iron pipes (DIP) tyton joint type and fittings shall be factory cement lined class 54. All fittings shall have mechanical joints and shall be pressure rated at 250 psi. All necessary joint materials shall be furnished. Water mains shall be installed in accordance with AWWA standards latest revisions.
5. All gate valves shall be Mueller resilient wedge (turn right open) type and shall meet AWWA standards latest revision. All valves must be installed inside a standard manhole or in large valve box with support.
6. All service connections and small diameter extensions shall conform to AWWA C-151.
7. Retainer glands and concrete thrust blocks or rods shall be used at all locations where restraints exist.
8. Installation and testing of the water main shall be inspected by the Town Engineer.
9. Asbuilt drawings shall show dimensions between all valve turning nuts and finish grade.
10. Installation, disinfection and testing to be witnessed and certified by a licensed professional engineer or Town of Ossining Engineer.
11. All hydrants and valves shall be as manufactured by the Mueller Company.
12. All procedures and instructions set forth under the regulations of Industrial Code 53 shall be followed prior to starting any construction or excavation.
13. The Contractor is advised that before he connects to the existing water system, he must advise and coordinate his operations with the Town of Ossining Water Department's Superintendent.
14. The Contractor is to maintain constant pressure in all water mains at all time. If the need should arise that water service is to be interrupted for a short period, it must be coordinated with the Engineer and the Superintendent of Water.
15. If, during construction, it is found that the required separation of water mains, sanitary sewers, storm sewers, and building sewers cannot be met, the developer or his authorized representative shall contact the Westchester County Department of Health.
16. All types of installed pipe shall be pressure tested and leakage tested in accordance with the latest edition of AWWA Standard C-600.
17. All new, cleaned or repaired water mains shall be disinfected and bacteriological testing performed in accordance with the latest edition of AWWA Standard C-651-99(except for Section 4.4.2 which is not applicable). The specifications include detailed procedures for the adequate flushing, disinfection, and micro biological testing of all water mains.
18. The Westchester County Department of Health shall be given 48 hours notice prior to any pressure/leakage tests and/or disinfection and bacteriological tests performed on the proposed water main.
19. Road openings shall be done in accordance with conditions of permit, and coordinated with the Town of Ossining.



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email: sdc@cloud9.net



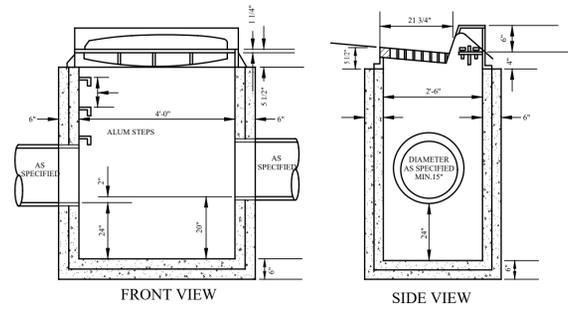
REVISIONS:

No.	Date	Comments
1	2/5/19	Plan Revisions

SCALE: N.T.S.
DRAWN BY: TK
DATE: 3/23/18

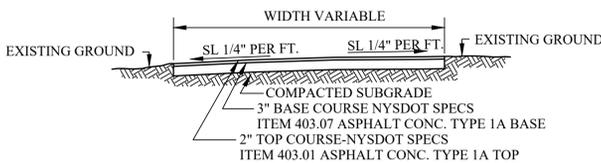
TOWN TAX MAP DATA:
SECTION: 8.4
BLOCK: 28
LOT: 4
LOT AREA: 1.87 AC

MGM DESIGN & CONSTRUCTION GROUP, LLC
Westchester Co., New York
5 Hawkes Avenue Town of Ossining



NOTE:
TYPE A CATCH BASIN AS SHOWN HERE ON WILL BE UTILIZED WHERE THE NEED FOR A DROP INLET EXISTS. THE CURB TYPE CASTING SHALL BE SUBSTITUTED WITH CAMPBELL FOUNDRY FRAME AND GRATE NO.3433 OR EQUAL.

TYPICAL CATCH BASIN
N.T.S.



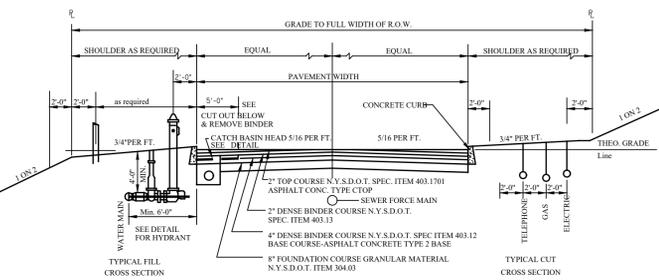
NOTE:
3" CRUSHED STONE MAY BE USED ON SINGLE DRIVEWAYS SERVING ONE HOUSE. 3" BINDER PAINT MIX MUST BE USED FOR DRIVEWAYS SERVING 2 OF MORE HOUSES.

IF DRIVEWAY GRADE EXCEEDS 10%, THEN 2 OFF STREET PARKING AT DRIVEWAY ENTRANCE MUST BE PROVIDED.

THE WIDTH OF THE DRIVEWAY GIVING ACCESS TO POTENTIAL BUILDING LOTS SHALL BE A FUNCTION OF THE INTENSITY OF ITS USE AND SHALL CONSTRUCTED ACCORDANCE WITH THE FOLLOWING TABLE:

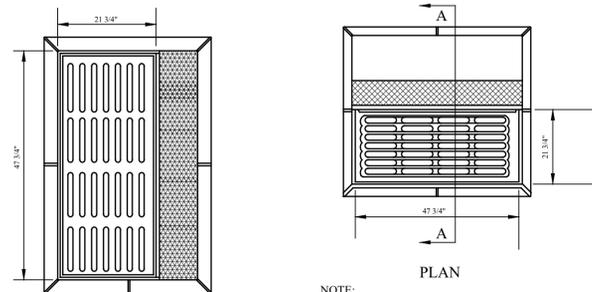
NO. OF POTENTIAL DWELLINGS	PAVEMENT WIDTH	RIGHT-OF-WAY WIDTH
1	12'	15'
2	16'	20'
3	18'	25'
4 OR MORE	24'	50'

TYPICAL DRIVEWAY DETAIL
N.T.S.



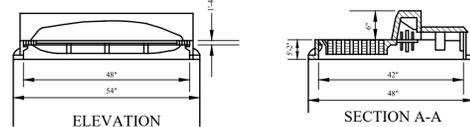
TYPICAL 18 FT WIDE COMMON DRIVEWAY SECTION
N.T.S.

NOTES:
1. UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW.

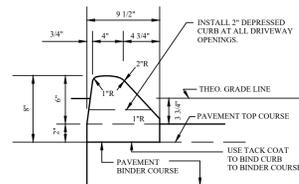


NOTE:
HIGHWAY CATCH BASIN HEAD CURB TYPE "STREAMFLOW GRATING" CAMPBELL FOUNDRY NO.2541 OR EQUAL.

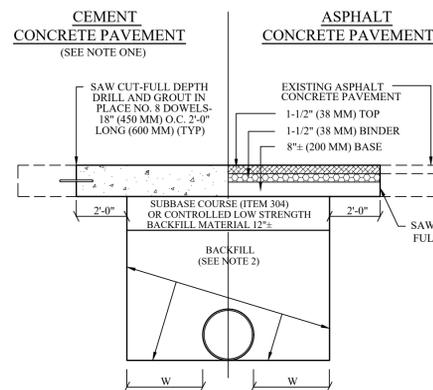
NOTE:
"STORM FLOW GRATING" CURB TYPE CATCH BASIN IN FRAME AND GRATE CAMPBELL FOUNDRY NO. 234B OR EQUAL.



TYPICAL FRAME AND GRATE
N.T.S.

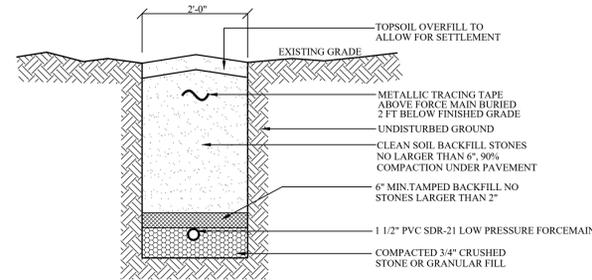


TYPICAL ASPHALT CURB DETAIL
N.T.S.



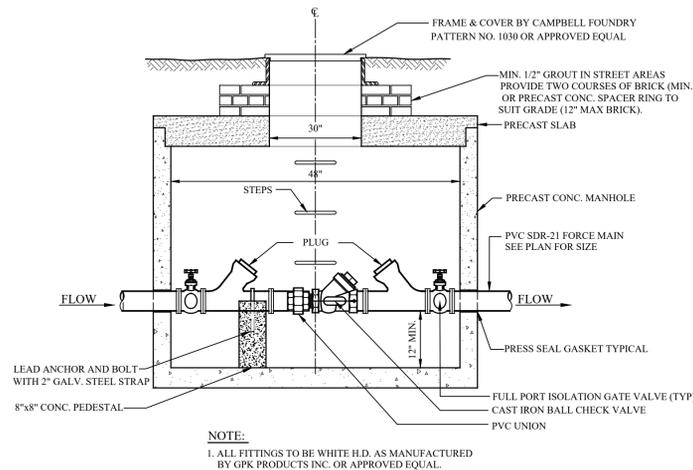
NOTES:
1. WHEN CONCRETE IS USED, IT SHALL BE REINFORCED PORTLAND CEMENT CONCRETE WITH DOWELS INSTALLED AT THE REQUIRED SPACING. WHEN ASPHALT CONCRETE IS USED, IT SHALL CONSIST OF BASE, BINDER, AND TOP COURSES. THE TOTAL PAVEMENT THICKNESS SHALL MATCH EXISTING, UNLESS OTHERWISE REQUIRED BY THE REGION.
2. WHEN "W" IS LESS THAN 18" (450 MM), CONTROLLED LOW STRENGTH BACKFILL MATERIAL SHALL BE USED. WHEN "W" IS 18" (450 MM) OR MORE, BACKFILL SHALL BE WITH SELECT GRANULAR MATERIAL FROM THE BOTTOM OF THE TRENCH TO SECTION 200, EARTHWORK OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION CURRENT SPECIFICATIONS AND ADDENDA.

NYS DOT
PAVEMENT REPLACEMENT DETAIL
N.T.S.



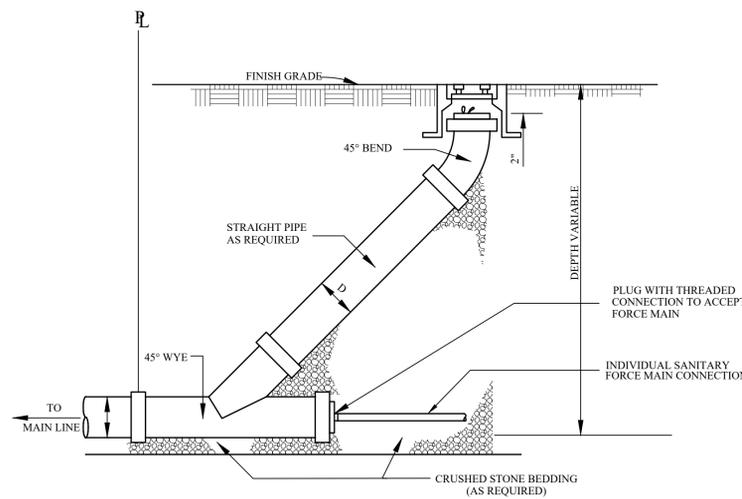
NOTES:
1. WHEN FORCEMAIN IS INSTALLED IN FILL SECTION, COMPACTED CRUSHED STONE, GRAVEL, OR APPROVED STRUCTURAL FILL TO BE INSTALLED.
2. FORCEMAIN TO BE INSTALLED TO ALL APPLICABLE STANDARDS, AND SHALL BE TESTED TO WITHSTAND 2.5 TIMES THE MAXIMUM OPERATING PRESSURE OR A MIN. 50 PSI TEST PRESSURE FOR 2 HOURS.

FORCE-MAIN DETAIL
N.T.S.

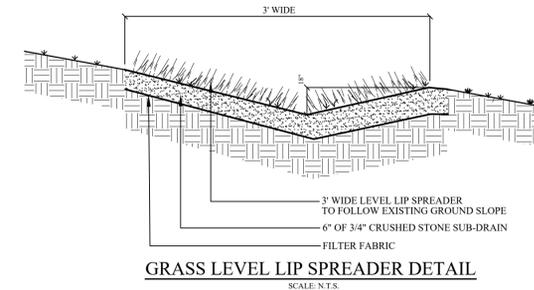


NOTE:
1. ALL FITTINGS TO BE WHITE H.D. AS MANUFACTURED BY GPK PRODUCTS INC. OR APPROVED EQUAL.

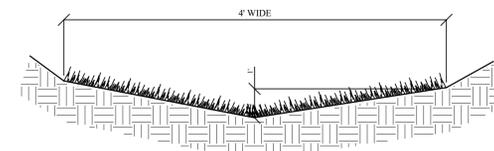
FORCE MAIN CLEAN OUT MANHOLE DETAIL
N.T.S.



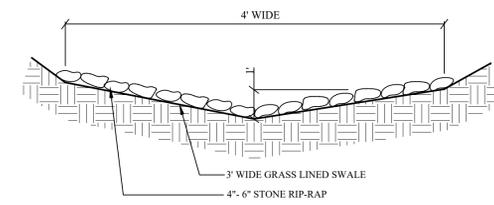
TYPICAL SEWER LINE CLEANOUT
N.T.S.



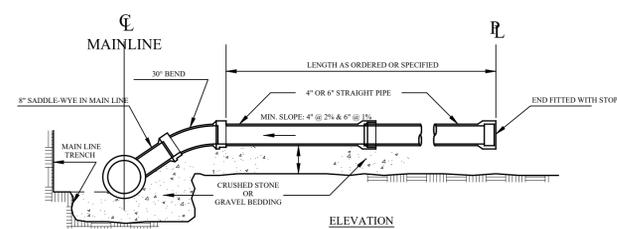
GRASS LEVEL LIP SPREADER DETAIL
SCALE: N.T.S.



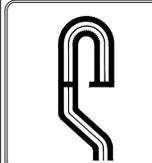
GRASS SWALE DETAIL
N.T.S.



RIP-RAP SWALE DETAIL
N.T.S.



TYPICAL SEWER TO HOUSE CONNECTION
N.T.S.



Site Design Consultants
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1	2/2/19	Plan Revisions

SCALE: N.T.S.	DRAWN BY: TK	DATE: 3/23/18
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SANITARY SEWER AND STORM SYSTEM DETAILS
PREPARED FOR
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Westchester Co., New York
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