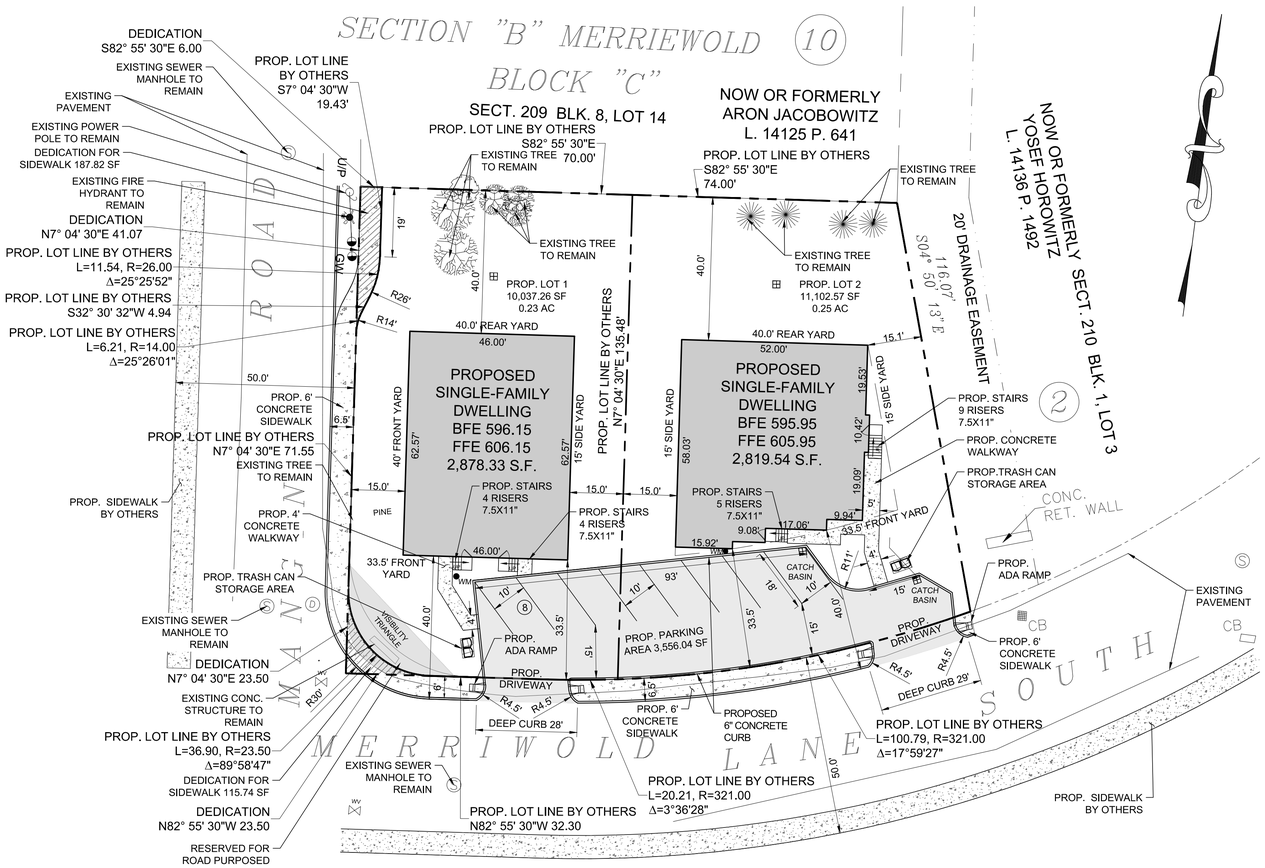


TABLE OF DIMENSIONAL REQUIREMENTS
RESIDENCE B DISTRICT (ZONE RB)

			LOT 1	LOT 2
	REQUIRED	EXISTING	PROPOSED	
MIN LOT AREA (SF)	10,000	21,443.20	10,037.26	11,102.57
MIN. LOT FRONTAGE (FEET)	50	174.20	76.10	98.10
FRONT YARD TO LOT LINE (FEET)	33.5	46.05	33.50	33.50
FRONT YARD TO SIDEWALK EDGE(FEET)	40	-	40.00	40.00
SIDE YARD (FEET)	15	49.38	15.00	15.00
TOTAL SIDE YARDS (FEET)	30	106.64	30.00	30.10
REAR YARD (FEET)	40	49.00	40.00	40.00
MAX. BUILDING COVERAGE (%)	50	15.58%	28.67%	25.40%
MAX. HEIGHT (STORIES)	2.5	-	TBD	TBD

TOTAL NUMBER PARKING SPACES:

2 PARKING SPACES PER DWELLING UNIT
TOTAL UNITS = 4
8 PARKING SPACES REQUIRED
8 PARKING SPACES PROPOSED
TOTAL PARKING PROVIDED: 8 PARKING SPACES

SHEET INDEX:

NOTES:

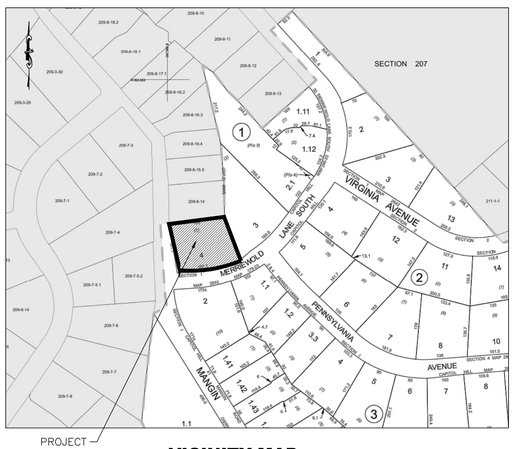
1. BOUNDARY AND TOPOGRAPHY TAKEN FROM SURVEY BY NEVILLE V. RAMSAY. LIC.# 050294-1, DATED FEBRUARY 10, 2025.
2. THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING SUBSURFACE UTILITIES HAVE BEEN DETERMINED FROM DATA PROVIDED BY OTHERS. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES WITHIN THE AREA OF CONSTRUCTION THAT ARE TO REMAIN IN SERVICE. CONTRACTOR SHALL VERIFY SIZE AND LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
3. THE EXISTING GAS AND ELECTRIC UTILITIES MUST BE LOCATED AND MARKED BEFORE CONSTRUCTION CAN START.
4. IT IS RECOMMENDED TO USED LEAF GUARD OR A SIMILAR PRODUCT ON ALL GUTTERS.
5. FOR ALL UTILITY CONSTRUCTION & IMPROVEMENTS, THE APPLICANT SHALL RESTORE ALL PAVEMENT, CURB, SIDEWALK, ETC. TO MATCH THE EXISTING CONDITIONS.
6. NO TREE CUTTING BETWEEN APRIL 1ST AND OCTOBER 1ST.
7. THE PROPERTY CANNOT BE RE-SUBDIVIDED.

PLANNING BOARD SIGNATURE

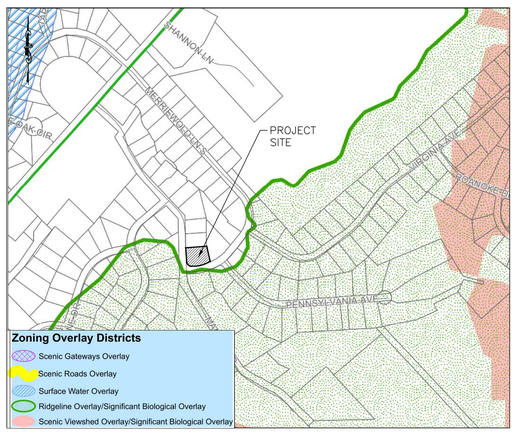
PLANNING BOARD CHAIRMAN _____ SIGNATURE DATE _____

THIS IS TO CERTIFY THAT THIS SITE PLAN DATED _____ ,HAS BEEN APPROVED BY THE PLANNING BOARD BY A RESOLUTION OF APPROVAL DATED _____

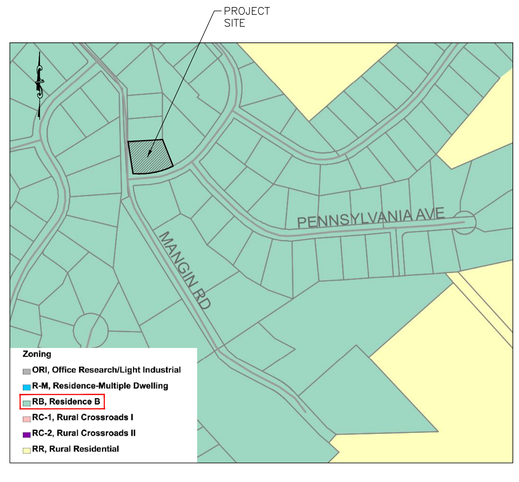
HEREBY CONSENT TO THE FILING OF THIS SITE PLAN INCLUDING ALL DESIGN CONCEPTS, NOTES, STIPULATIONS AND OTHER INFORMATION INDICATED THEREON.



VICINITY MAP
NTS



OVERLAY DISTRICT MAP
NTS



ZONE MAP
NTS

Dig Safely. New York. Call 811 before you dig

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

TERRANOVA ENGINEERING CONSULTANTS

TERRANOVA ENGINEERING CONSULTANTS DPC NEW YORK LICENSE No. 0022576
71 LAFAYETTE AVE, SUFFERN, NY 10901 SUITE #104 INFO@TERRANVC.COM P:(845) 666-0155

NO.	REVISION	DATE	DR/CK
1	SITE LAYOUT	06/12/2025	ER/YB

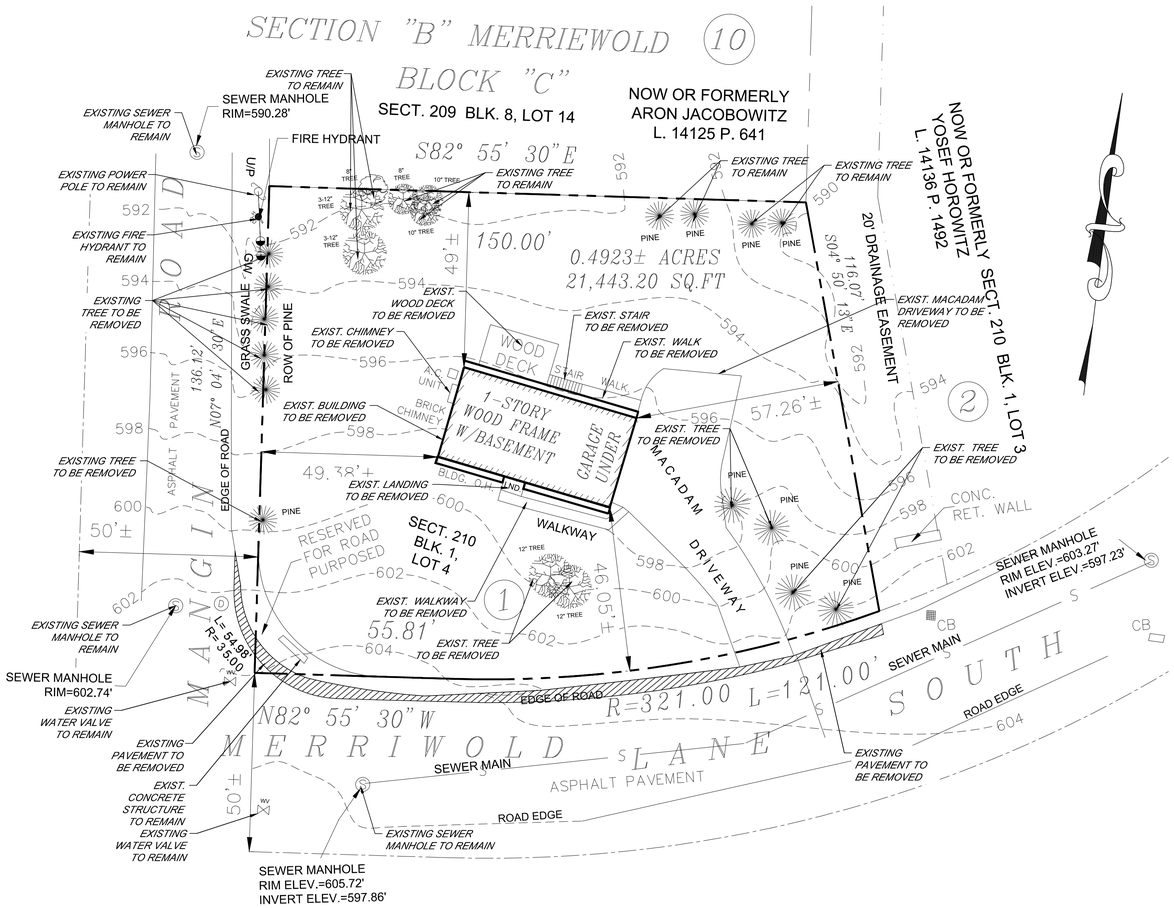
JOSIP MEDIC, PE
STATE OF NEW YORK · JOSIP MEDIC · 103757 · LICENSED PROFESSIONAL ENGINEER
LIC. 103757 DATE 06/12/2025

SITE PLAN

DESIGN BY:	DRAWN BY:	CHECKED BY:
YB	EB	JM

40 MERRIEWOLD LN S
40 MERRIEWOLD LANE S, VILLAGE OF SOUTH BLOOMING GROVE,
TOWN OF BLOOMING GROVE, ORANGE COUNTY, NY 10950
SBL 210-1-4

DRAWING NUMBER:	SCALE:	FILE NO.:	DATE:
01 OF 07	1": 20'	25130	05/13/2025



NOTES:

1. ALL EXISTING ELEMENTS ARE TO REMAIN UNLESS NOTED OTHERWISE.

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GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)

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NO.	REVISION	DATE	DR/CK
1	SITE LAYOUT	06/12/2025	ER/YB

JOSIP MEDIC, PE

STATE OF NEW YORK JOSIP MEDIC 103757 LICENSED PROFESSIONAL ENGINEER

LIC. 103757 DATE 06/12/2025

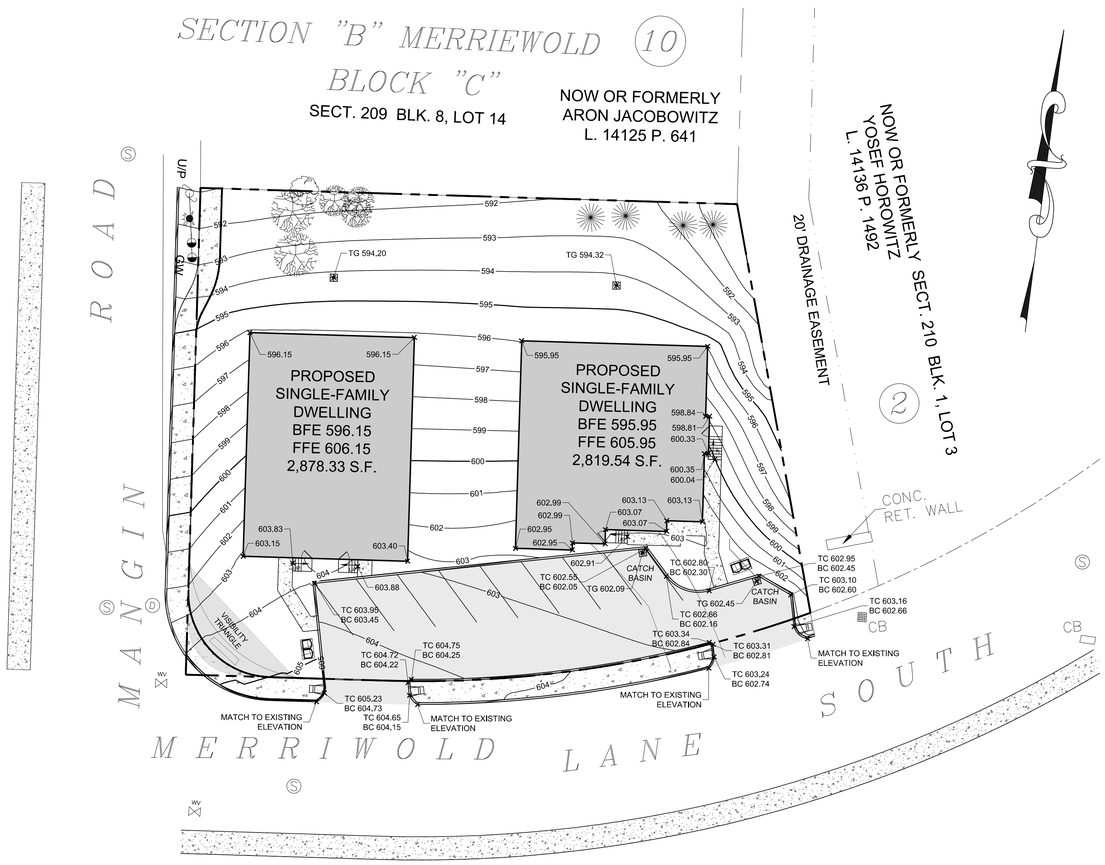
DEMOLITION PLAN

DESIGN BY:	DRAWN BY:	CHECKED BY:
YB	EB	JM

40 MERRIEWOLD LN S

40 MERRIEWOLD LANE S, VILLAGE OF SOUTH BLOOMING GROVE,
TOWN OF BLOOMING GROVE, ORANGE COUNTY, NY 10950
SBL 210-1-4

DRAWING NUMBER:	SCALE:	FILE NO.:	DATE:
02 OF 07	1"=20'	25130	05/13/2025



LEGEND:

BFE	BASEMENT FLOOR ELEVATION
FFE	FIRST FLOOR ELEVATION
TG	TOP OF GRATE
TC	TOP OF CURB
BC	BOTTOM OF CURB
(800)	PROPOSE GRADE

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GRAPHIC SCALE

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(IN FEET)

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NO.	REVISION	DATE	DR/CK
1	SITE LAYOUT	06/12/2025	ER/YB

JOSIP MEDIC, PE

STATE OF NEW YORK · JOSIP MEDIC · 103757 · LICENSED PROFESSIONAL ENGINEER

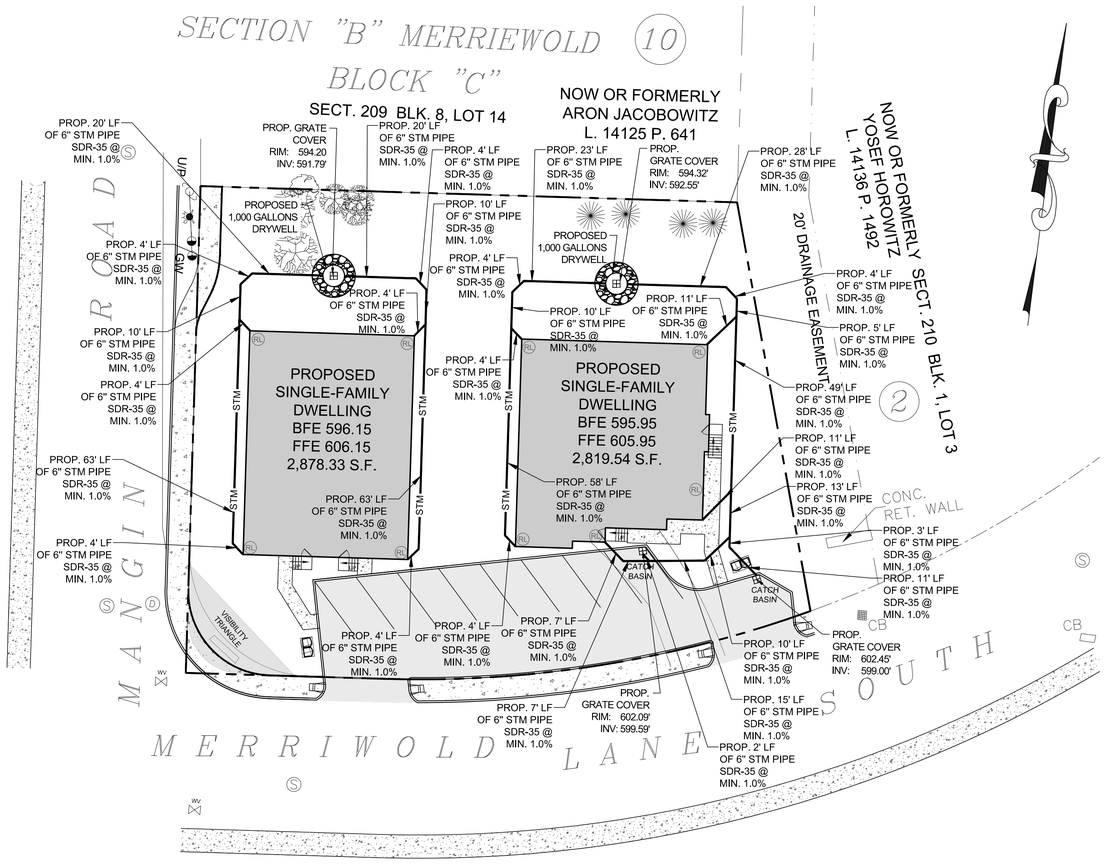
LIC. 103757 DATE 06/12/2025

GRADING PLAN

DESIGN BY:	DRAWN BY:	CHECKED BY:
YB	EB	JM

40 MERRIEWOLD LN S
40 MERRIEWOLD LANE S, VILLAGE OF SOUTH BLOOMING GROVE,
TOWN OF BLOOMING GROVE, ORANGE COUNTY, NY 10950
SBL 210-1-4

DRAWING NUMBER:	SCALE:	FILE NO.:	DATE:
03 OF 07	1"=20'	25130	05/13/2025



LEGEND:

(RL) PROPOSED 6" PVC ROOF LEADER PER STORM DRAIN DETAILS.

RECHARGE NOTES:

1. RECHARGE DRYWELLS ARE TO BE LOCATED A MINIMUM OF 10-15 FEET FROM THE FOUNDATION WITH AN INVERT 1 FOOT LOWER THAN THE BASEMENT FLOOR
2. THE SYSTEM COLLECTS AND RECHARGES THE CLEAN RUNOFF FROM THE ROOF. IN THE EVENT THAT THE SYSTEM FAILS AND NO LONGER RECHARGES WATER, THE SYSTEM WILL OVERFLOW OUT OF GRADE COVER. RUNOFF WILL THEN FLOW ACROSS THE LAWN AREA WHICH IS STABILIZED WITH GRASS OR OTHER GROUND COVER. THERE SHOULD BE NO CATASTROPHIC FAILURE THAT WOULD CAUSE DAMAGING EROSION DURING NORMAL STORM EVENTS.

RUNOFF CALCULATIONS FOR EACH LOT:

5,430.27 SF (PROPOSED COVERAGE)

0.50 INCH/ 2 HOUR STORM

5,430.27 SF X 0.50 IN X 1 FT/12 INCHES

= 226.26 CF REQUIRED

1 DRYWELL = 500 GAL = 66.84 CF

PROPOSED STONE RING & BASE

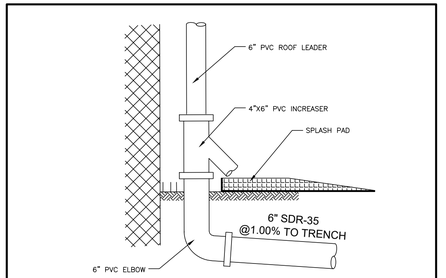
STONE ANNULAR RING VOLUME (3 FT) = π x (6 FEET^2 - 3 FEET^2) x 6 FEET
STONE ANNULAR RING VOLUME = 508.94 CF

STONE BASE AREA (1 FT) = π x 6 FEET^2 = 113.09 SQF
STONE BASE VOLUME = 113.09 SQF X 1 FT =113.09 CF

TOTAL STONE = 622.03 CF
STONE VOID = 40%

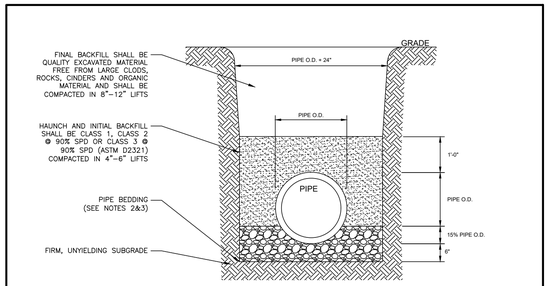
TOTAL DETENTION VOLUME PER DRYWELL= DRYWELLS + STONE VOID
TOTAL DETENTION VOLUME= 66.84 CF + (622.03 CF x 0.40)
TOTAL DETENTION VOLUME= 315.65 CF
TOTAL DRYWELL PROVIDED=1

TOTAL DETENTION VOLUME PROVIDE= 315.65 CF > 236.00 CF



CD#6
N.T.S.
03/24

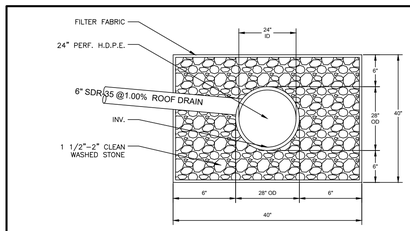
ROOF LEADER DETAIL



NOTES:
1. SOIL CLASSES AS DEFINED IN ASTM D 2487 AND D 2321.
2. PIPE BEDDING FOR STORM SEWERS SHALL BE CLASS 1 EMBEDMENT MATERIAL OR CLASS 2 OR 3 EMBEDMENT MATERIAL COMPACTED TO 90% STANDARD PROCTOR DENSITY.
3. PIPE BEDDING FOR WATERMAIN SHALL BE CLASS 1 EMBEDMENT MATERIAL OR SAND.
4. PARTICLE SIZE IN THE EMBEDMENT ZONE SHALL NOT EXCEED 2"
5. WHERE UNSUITABLE MATERIAL IS ENCOUNTERED IN TRENCH BOTTOM, UNDERCUT TO SUITABLE MATERIAL.
6. PIPE BEDDING AND BACKFILL IS TO BE IN ACCORDANCE WITH PIPE MANUFACTURER'S INSTALLATION GUIDES AND REQUIREMENTS.

DR#2
N.T.S.
03/24

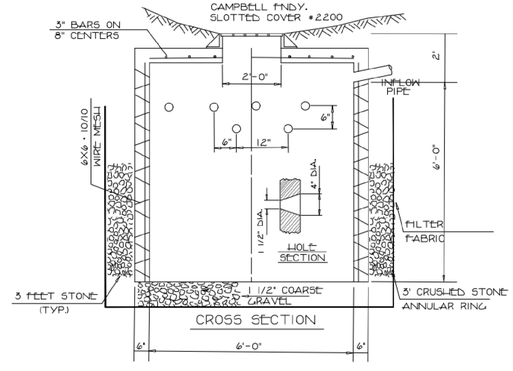
PIPE BEDDING & BACKFILL DETAIL



NOTES:
1. FILTER FABRIC TO BE MIRAFI 140A OR EQUAL
2. STONE TO HAVE A MINIMUM VOID RATIO OF 0.40

DR#1
N.T.S.
05/24

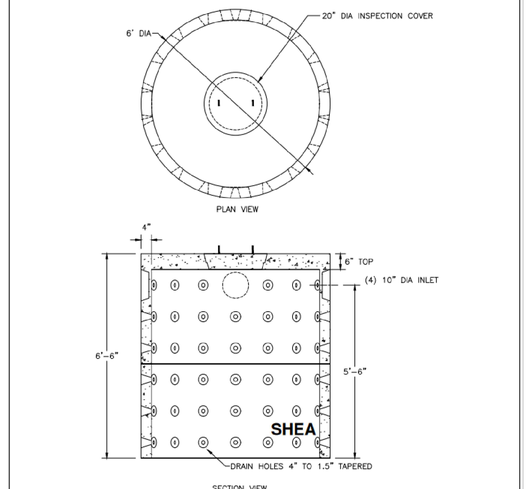
RECHARGE TRENCH DETAIL



DETENTION BASIN DRYWELL

SHEA CONCRETE PRODUCTS — New England's Premier Precaster
800-696-7432 (SHEA) www.sheaconcrete.com
BILLING ADDRESS: 87 HAVERHILL RD, AMESBURY MA 01913

DRY WELL CYLINDRICAL
1000 GALLON STACKABLE



NOTES:
1. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
2. ALSO AVAILABLE IN AASHTO HS-20 LOADING.
3. CAPACITY INCREASES IN INCREMENTS OF 500 GALLONS FOR EACH 3' SECTION ADDED.

	ITEM NO.		WEIGHT
1000 GALLON	1000SDW	STANDARD	6,778#
	1000SDWH	H-20	6,778#
3' STACKABLE	3SS		2,008#

SHEA PRODUCT ID: SEE TABLE	PREPARED FOR:	FILE NAME: dwc1000.dwg	
WEIGHT (LBS): SEE TABLE	DRAWN BY: ARO	DATE: 06/01/18	PAGE: F4.3

773 Salem Street–Wilmington, MA | 153 Cranberry Hwy–Rochester, MA | 87 Haverhill Road–Amesbury, MA | 160 Old Turnpike Rd–Nottingham, NH

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GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

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71 LAFAYETTE AVE, SUFFERN, NY 10901 SUITE #104 — INFO@TERRANVC.COM — P:(845) 666-0155

NO.	REVISION	DATE	DR/CK
1	SITE LAYOUT	06/12/2025	ER/YB

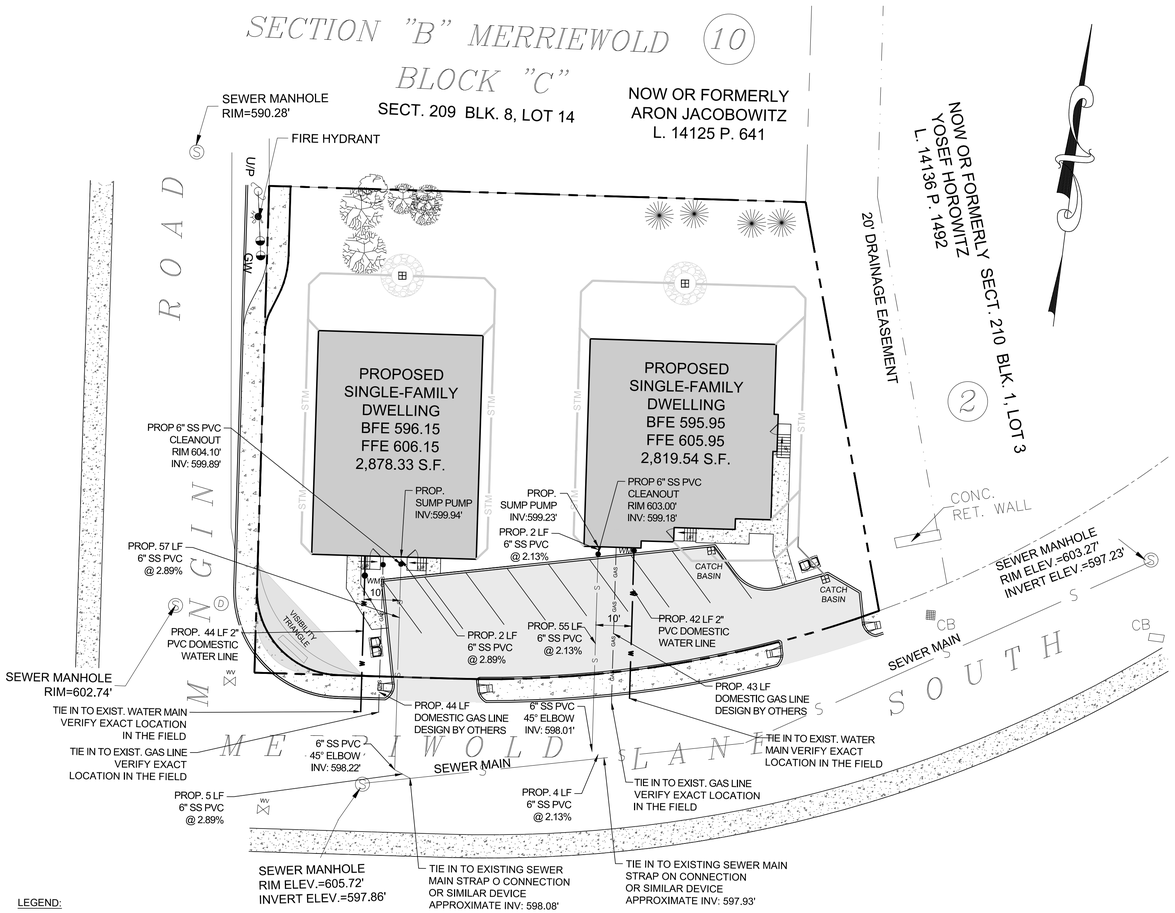
JOSIP MEDIC, PE
STATE OF NEW YORK — JOSIP MEDIC — 103757 — LICENSED PROFESSIONAL ENGINEER
LIC. 103757 DATE 06/12/2025

DRAINAGE PLAN

DESIGN BY:	DRAWN BY:	CHECKED BY:
YB	EB	JM

40 MERRIEWOLD LN S
40 MERRIEWOLD LANE S, VILLAGE OF SOUTH BLOOMING GROVE, TOWN OF BLOOMING GROVE, ORANGE COUNTY, NY 10950
SBL 210-1-4

DRAWING NUMBER:	SCALE:	FILE NO.:	DATE:
04 OF 07	1"=20'	25130	05/13/2025



LEGEND:

WM WATER METER

GM GAS METER

CO CLEAN-OUT
(LATERAL SEWER CONNECTION)

2.25 SEWERS NEAR WATER MAINS

ALL SANITARY SEWER MAINS, LATERALS AND APPURTANCES (INCLUDING MANHOLES) SHALL BE LAID AT LEAST TEN FEET (10'), HORIZONTALLY FROM ANY EXISTING OR PROPOSED DRAIN OR WATER MAIN. SHOULD LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF TEN FEET (10'), A SANITARY SEWER MAY BE LAID CLOSER THAN TEN FEET (10') TO A STORM OR WATER MAIN, PROVIDED THAT THE MAIN IS LAID IN A SEPARATE TRENCH, OR ON AN UNDISTURBED EARTH SHELF LOCATED ON ONE SIDE OF THE WATER MAIN AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST EIGHTEEN INCHES (18") ABOVE THE TOP OF THE SANITARY SEWER AS APPROVED BY THE LOCAL DEPT. OF HEALTH. WHEN IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL AND/OR VERTICAL SEPARATION AS STIPULATED ABOVE, BOTH THE WATER MAIN AND SANITARY SEWER MUST BE CONSTRUCTED OF PUSH-ON (DUCTILE IRON TYTON PIPE AND FITTINGS WITH FIELD LOK 35 GASKETS (AS MFG BY US PIPE AND FOUNDATION COMPANY, OR APPROVED EQUAL) OR MECHANICAL JOINT CAST IRON PIPE, CLASS 52 DUCTILE IRON PIPE , AND MUST BE HYDROSTATICALLY PRESSURE-TESTED TO ASSURE WATER TIGHTNESS BEFORE BACKFILLING. THE SEWER MAIN AND LATERAL PIPE MUST BE HYDROSTATICALLY TESTED TO A MINIMUM OF 50 PSI IN ACCORDANCE WITH AN ACCEPTABLE TESTING PROCEDURE ADOPTED FOR THE PIPE MATERIAL.

WHENEVER WATER MAINS MUST CROSS HOUSE SEWERS, STORM DRAINS, OR SANITARY SEWERS, THE WATER MAIN SHOULD BE LAID AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS EIGHTEEN INCHES (18") ABOVE THE TOP OF THE SEWER. THIS VERTICAL SEPARATION SHOULD BE MAINTAINED FOR THE PORTION OF THE WATER MAIN LOCATED WITHIN TEN FEET (10') HORIZONTALLY OF ANY SEWER OR DRAIN IT CROSSES, SAID TEN FEET (10') TO BE MEASURED HORIZONTALLY FROM THE OPPOSING OUTSIDE DIAMETER FACES OF THE WATER MAIN TO THE DRAIN OR SEWER.

WHERE CONDITIONS PREVENT THE MINIMUM VERTICAL SEPARATION SET FORTH ABOVE FROM BEING MAINTAINED, OR WHEN IT IS NECESSARY FOR THE WATER MAIN TO PASS UNDER A SEWER OR DRAIN, THE WATER MAIN MUST BE LAID WITH SLIP-ON OR MECHANICAL JOINT CLASS 52 DIP PIPE MUST BE EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE HORIZONTAL DISTANCE FROM THE OPPOSING OUTSIDE DIAMETER FACES OF THE WATER MAIN TO THE SEWER OR DRAIN LINE IS AT LEAST TEN FEET (10').

IN MAKING SUCH CROSSING, IT IS REQUIRED TO CENTER A LENGTH OF WATER MAIN PIPE UNDER THE SEWER TO BE CROSSED SO THAT THE JOINTS WILL BE EQUI-DISTANT FROM THE SEWER AND AS REMOTE THEREFROM AS POSSIBLE.

WHERE A WATER MAIN MUST CROSS UNDER A SEWER, A VERTICAL SEPARATION OF EIGHTEEN INCHES (18") BETWEEN THE BOTTOM OF THE SEWER AND THE TOP OF THE WATER MAIN MUST BE MAINTAINED, WITH ADEQUATE SUPPORT FOR THE LARGER-SIZED SEWER LINES TO PREVENT THEM FROM SETTLING ON AND BREAKING THE WATER MAIN.

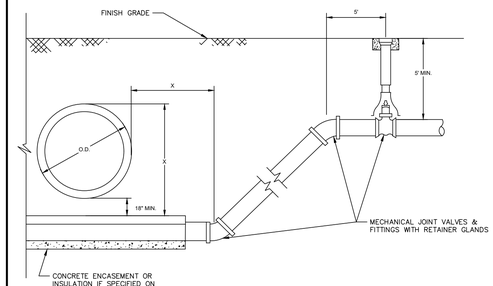
MINIMUM BEARING SURFACE AREA (FT^2)

PIPE SIZE	B E N D S				TEE OR DEAD END
	11 1/4°	22-1/2 1/2°	23-45°	46-90°	
6"	1.0	1.5	2.5	4.5	3.5
8"	1.0	2.5	4.5	8.0	5.5
10"	2.0	3.5	7.0	12.5	9.0
12"	2.5	5.0	9.5	17.5	12.5
16"	4.5	8.5	17.0	31.0	22.5
18"	5.5	11.0	21.5	39.5	28.5
20"	7.0	13.5	27.0	49.0	35.0
24"	10.0	19.5	38.5	70.5	50.0

NOTES:
1. ON 16" AND LARGER TRANSMISSION MAINS BENDS SHALL BE BOTH RODDED AND THRUST BLOCKED.
2. BEARING SURFACES SHOWN IN CHART ARE MINIMUM.
3. BASED ON 150 PSI INTERNAL PIPE PRESSURE PLUS WATER HAMMER = 150PSI.
   12" WATER HAMMER = 110 PSI.
   16" AND LARGER WATER HAMMER = 70 PSI.
4. SOIL BEARING CAPACITY = 3,000 LB./SQ. FT.
5. ALL 90 DEGREE BENDS SHALL BE RODDED AND THRUST BLOCKED.
6. NA = NOT APPLICABLE.

UT#11
03/24

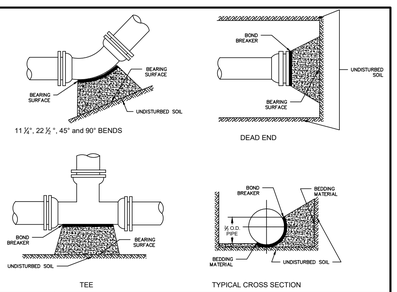
CONCRETE THRUST BLOCK DETAIL



NOTES:
1. CONCRETE ENCASEMENT OR INSULATION WILL ONLY BE INSTALLED IF SPECIFICALLY REQUIRED ON THE CONSTRUCTION DRAWINGS.
2. CONCRETE ENCASEMENT WILL BE IN ACCORDANCE WITH THE STANDARD DETAIL FOR ENCASEMENT UNLESS OTHERWISE SPECIFIED.
3. IF PIPE IS ENCASED THE LOWER FITTINGS WILL BE RODDED TO RETAINER CLAMP 10 FEET INSIDE OF CONCRETE ENCASEMENT.
4. IF PIPE IS NOT ENCASED THE PIPE BETWEEN LOWER FITTINGS SHALL HAVE RESTRAINED JOINTS.
5. ALL RETAINER GLANDS OR RESTRAINED JOINTS SHALL BE WRAPPED IN POLYETHYLENE.
6. ALL PIPE SHALL BE WRAPPED IN POLYETHYLENE IF CORROSIVE SOILS ARE ENCOUNTERED.
7. THE MINIMUM DISTANCE FROM THE OUTSIDE WALL OF THE UTILITY BEING CROSSED TO THE CENTER OF THE LOWER BEND SHALL BE EQUAL TO THE DISTANCE FROM THE TOP OF THE UPPER UTILITY TO THE TOP OF THE WATER MAIN. THIS MINIMUM DISTANCE SHALL BE AS MEASURED PERPENDICULAR TO THE UPPER UTILITY.
8. LOWER FITTING SHALL BE RODDED TO UPPER FITTING IF A PIPE JOINT EXISTS BETWEEN THESE FITTINGS.
9. UPPER FITTINGS SHALL BE RODDED TO VALVE.
10. VALVE SHALL BE RODDED A MINIMUM OF 20 FEET FROM THE CROSSING.

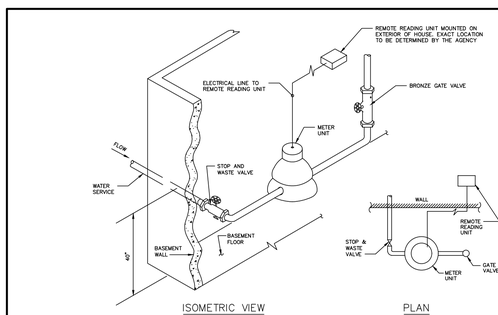
UT#10
N.T.S.
03/24

VERTICAL DEFLECTION DETAIL



UT#3
N.T.S.
02/24

CONNECTION DETAILS



NOTES:
1. METER MUST BE INSTALLED HORIZONTALLY.
2. PLUMBER IS RESPONSIBLE FOR SUPPLYING STRAIGHT METER SPUDS SPACED TO ACCEPT THE APPROPRIATE SIZE METER.
3. IF A COMMERCIALLY MANUFACTURED METER YOKE IS USED IT CAN BE VERTICAL SETTER OR HORIZONTAL SETTER HOWEVER THE METER MUST BE INSTALLED HORIZONTALLY.
4. METER YOKE OR SPUDS TO BE PROVIDED WITH VALVES ON BOTH SIDES OF THE METER.
5. METER YOKE TO BE PROVIDED WITH SADDLE NUTS TO FACILITATE INSTALLATION OF THE METER.
6. IF A COMMERCIAL METER YOKE IS USED IT SHOULD BE COPPER HORN AS MANUFACTURED BY THE FORD METER BOX COMPANY OR BASEMENT SETTING METER YOKE AS MANUFACTURED BY THE MUELLER COMPANY OF DECATUR ILLINOIS.

UT# 16
N.T.S.
05/24

INSIDE RESIDENTIAL METER INSTALLATION

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before you dig

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

TERRANOVA
ENGINEERING CONSULTANTS
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71 LAFAYETTE AVE, SUFFERN, NY 10901 SUITE #104 INFO@TERRANVC.COM P:(845) 666-0155

NO.	REVISION	DATE	DR/CK
1	SITE LAYOUT	06/12/2025	ER/YB

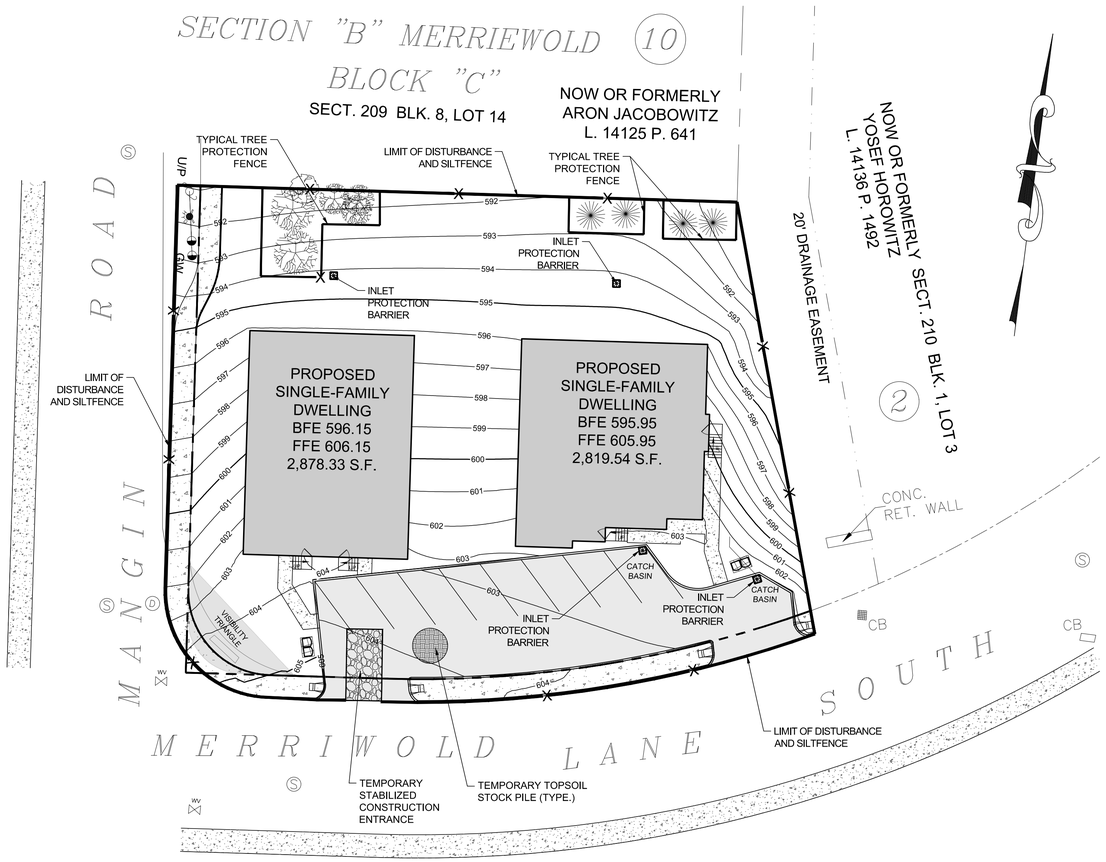
JOSIP MEDIC, PE
STATE OF NEW YORK JOSIP MEDIC 103757 LICENSED PROFESSIONAL ENGINEER
LIC. 103757 DATE 06/12/2025

UTILITY PLAN

DESIGN BY:	DRAWN BY:	CHECKED BY:
YB	EB	JM

40 MERRIEWOLD LN S
40 MERRIEWOLD LANE S, VILLAGE OF SOUTH BLOOMING GROVE,
TOWN OF BLOOMING GROVE, ORANGE COUNTY, NY 10950
SBL 210-1-4

DRAWING NUMBER:	SCALE:	FILE NO.:	DATE:
05 OF 07	1"=20'	25130	05/13/2025



LEGEND:

REINFORCED FILTER FABRIC BARRIER

STABILIZED CONSTRUCTION EXIT

INLET PROTECTION BARRIER

NOTES:

1. AREA OF DISTURBANCE: 23,326.91 SF.

SEQUENCE OF CONSTRUCTION NOTES

1. CONTRACTOR SHALL IMPLEMENT INLET PROTECTION DEVICES AND REINFORCED FILTER FABRIC BARRIER ALONG ROAD AND SIDE DITCHES AT LOCATION SHOWN ON THE TYPICAL STORM WATER POLLUTION PREVENTION (SWPPP) PLANS TO KEEP SILT AND /OR EXCAVATED MATERIALS FROM ENTERING INTO THE STORM WATER INLETS AND DITCHES EVENTUALLY POLLUTING THE RECEIVING STORM.

2. DURING THE EXCAVATION PHASE OF THE PROJECT, CONTRACTOR SHALL SCHEDULE THE WORK IN SHORT SEGMENTS SO THAT EXCAVATED MATERIAL CAN BE QUICKLY HAULED AWAY FROM THE SITE AND TO PREVENT IT FROM STAYING UNCOLLECTED ON THE EXISTING PAVEMENT. ANY LOOSE EXCAVATED MATERIAL WHICH FALLS ON PAVEMENTS OR DRIVEWAYS SHALL BE SWEPT BACK INTO THE EXCAVATED AREA.

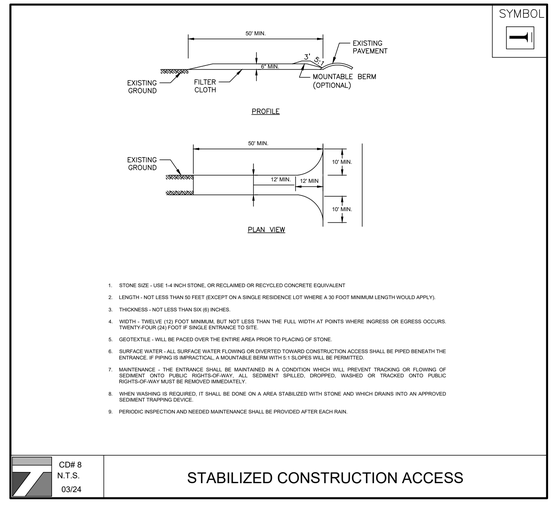
3. CONTRACTOR SHALL CLEAN UP THE EXISTING STREET INTERSECTIONS AND DRIVEWAYS DAILY, AS NECESSARY, TO REMOVE ANY EXCESS MUD, SILT OR ROCK TRACKED FROM THE EXCAVATED AREA.

4. CONTRACTOR SHALL FOLLOW GOOD HOUSEKEEPING PRACTICES DURING THE CONSTRUCTION OF THE PROJECT ALWAYS CLEANING UP DIRT AND LOOSE MATERIAL AS CONSTRUCTION PROGRESSES.

5. CONTRACTOR TO INSPECT AND MAINTAIN THE AREAS LISTED BELOW AT LEAST ONCE EVERY FOURTEEN (14) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 0.5 INCHES OR GREATER.

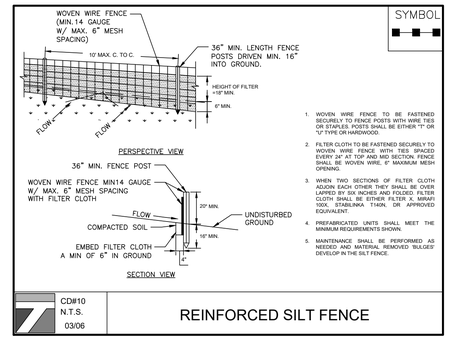
- DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED.
- AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.
- STRUCTURAL CONTROL MEASURES.
- LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

6. CONTRACTOR TO BE RESPONSIBLE TO MAINTAIN EXISTING DITCHES AND/ OR CULVERTS FOR UNOBSTRUCTED DRAINAGE AT ALL TIMES. WHERE SODDING IS DISTURBED BY EXCAVATION ON BACKFILLING OPERATIONS, SUCH AREAS SHALL BE REPLACED BY SEEDING OR SODDING.
SLOPES 4:1 OR STEPPER SHALL BE REPLACED BY CLOCK SODDING.



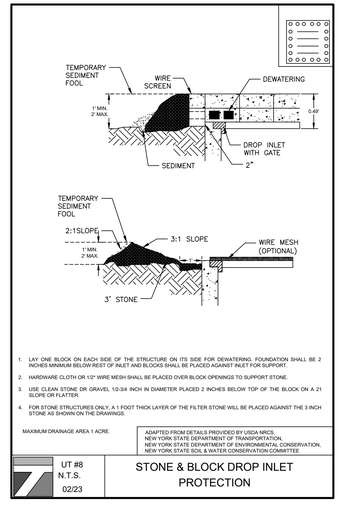
CD# 8
N.T.S.
03/24

STABILIZED CONSTRUCTION ACCESS



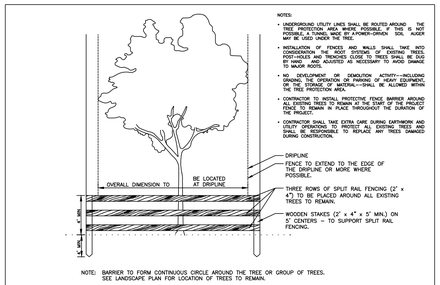
CD#10
N.T.S.
03/06

REINFORCED SILT FENCE



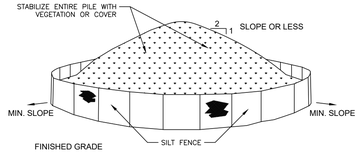
UT #8
N.T.S.
02/23

STONE & BLOCK DROP INLET PROTECTION



LS# 3
N.T.S.
03/20

TREE PROTECTION DETAIL



INSTALLATION NOTES
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2:1
3, UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH REINFORCED SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.

SE# 1
N.T.S.
03/24

SOIL STOCKPILE DETAIL

Dig Safely. New York. Call 811 before you dig

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

TERRANOVA
ENGINEERING CONSULTANTS

TERRANOVA ENGINEERING CONSULTANTS DPC NEW YORK LICENSE No. 0022576
71 LAFAYETTE AVE, SUFFERN, NY 10901 SUITE #104 INFO@TERRANVC.COM P:(845) 666-0155

NO.	REVISION	DATE	DR/CK
1	SITE LAYOUT	06/12/2025	ER/YB

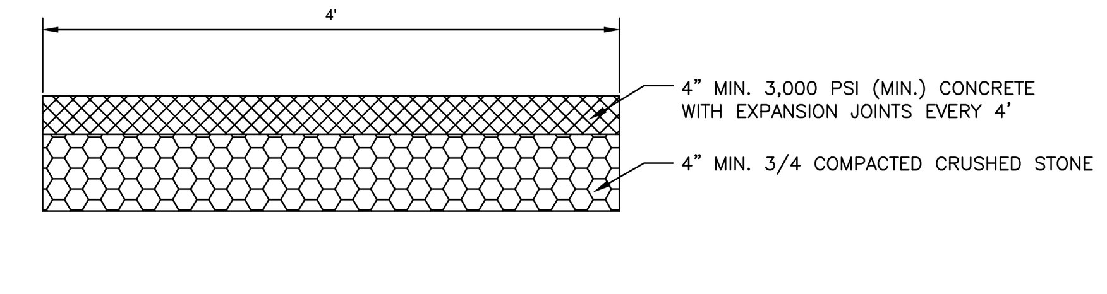
JOSIP MEDIC, PE
STATE OF NEW YORK JOSIP MEDIC 103757 LICENSED PROFESSIONAL ENGINEER
LIC. 103757 DATE 06/12/2025

SOIL EROSION AND SEDIMENT CONTROL PLAN

DESIGN BY:	DRAWN BY:	CHECKED BY:
YB	EB	JM

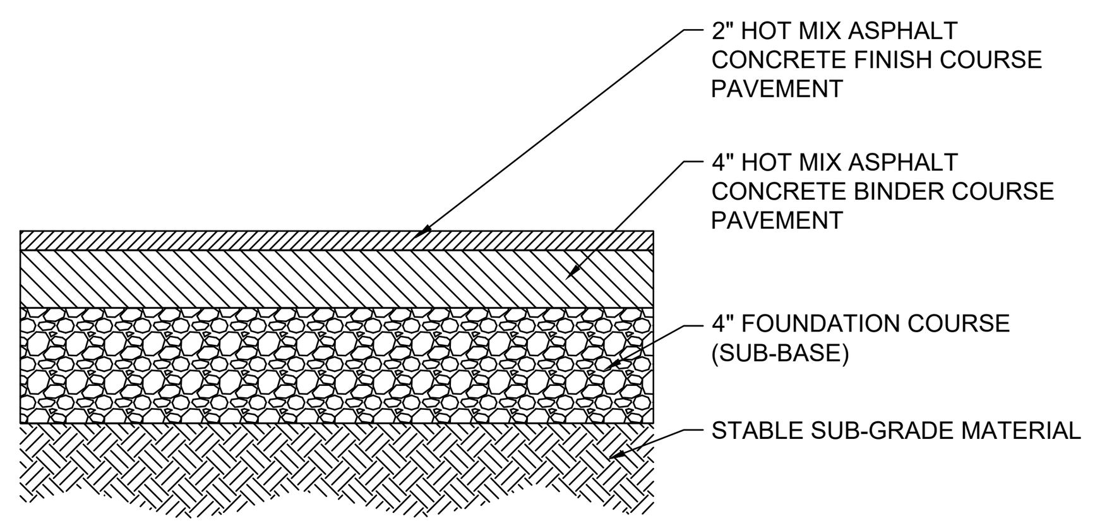
40 MERRIEWOLD LN S
40 MERRIEWOLD LANE S, VILLAGE OF SOUTH BLOOMING GROVE, TOWN OF BLOOMING GROVE, ORANGE COUNTY, NY 10950
SBL 210-1-4

DRAWING NUMBER:	SCALE:	FILE NO.:	DATE:
06 OF 07	1"=20'	25130	05/13/2025



CD#1
N.T.S.
02/24

CONCRETE SIDEWALK DETAIL

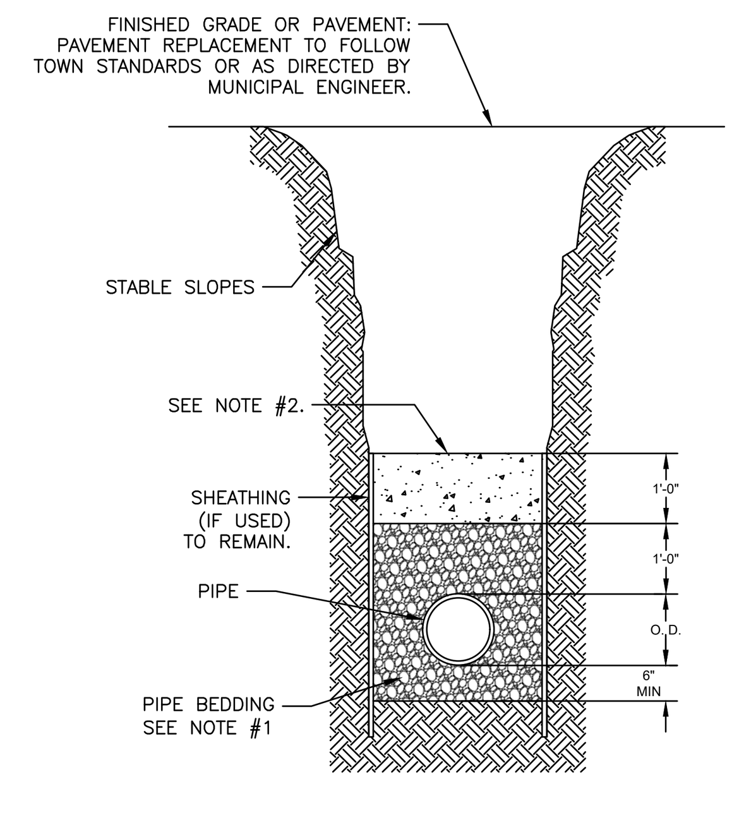


CD#2
N.T.S.
02/24

ASPHALTIC CONCRETE PAVEMENT DETAIL

NOTES:

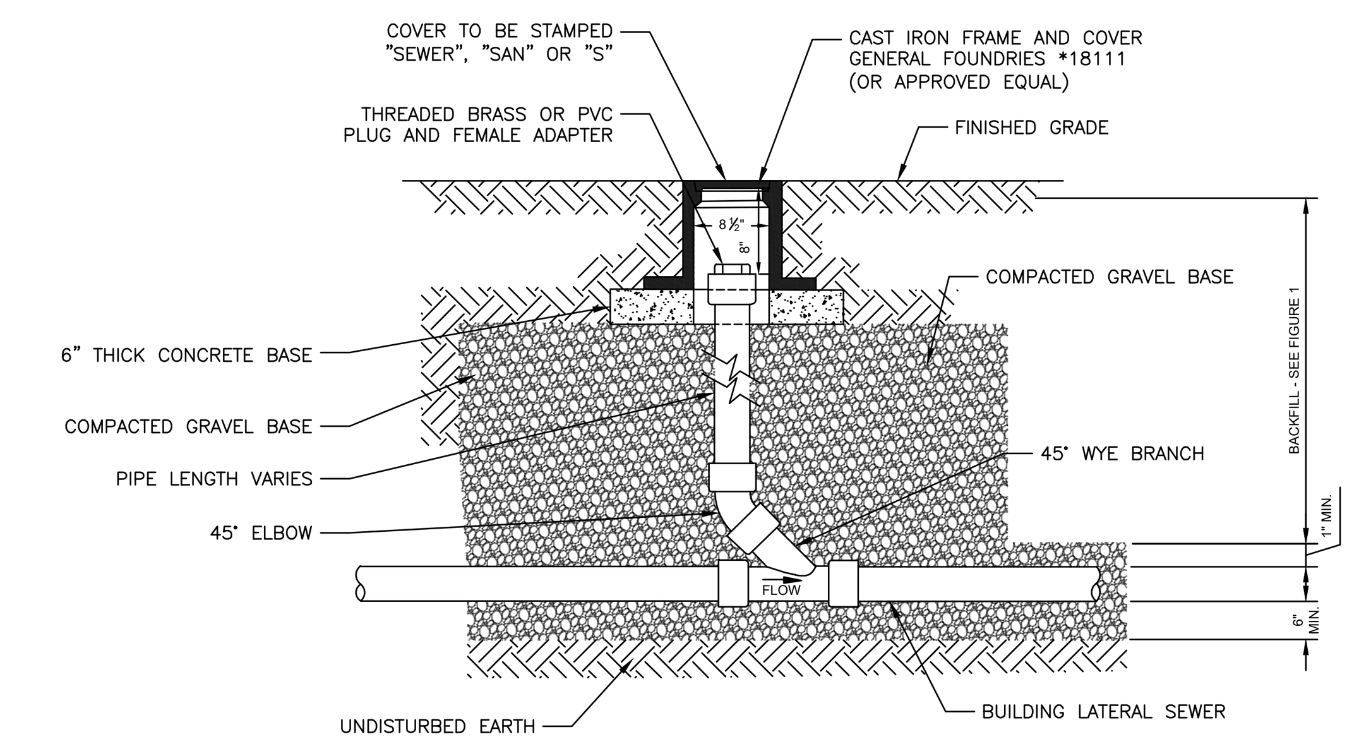
1. PIPE BEDDING SHALL BE A CLASS I ASTM D2321 EMBEDMENT MATERIAL THAT SHALL BE EITHER CRUSHED STONE OR WASHED GRAVEL PASSING A 3/4 " SIEVE AND RETAINED ON A 3/8 " SIEVE. THE EMBEDMENT MATERIAL SHALL BE HAND TAMPED AND COMPACTED TO 90% OF THE MAXIMUM DENSITY OF THE EMBEDMENT MATERIAL AS DETERMINED BY THE STANDARD PROCTOR TEST IN ACCORDANCE WITH AASHTO DESIGNATION T-99. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A GO-NO-GO TESTING GAUGE, AS DEFINED IN THE GREEN-TITE (TRADEMARK) PVC GRAVITY SEWER PIPE INSTALLATION GUIDE AS PUBLISHED BYJ-M PIPE (OR APPROVED EQUAL) FOR TESTING DEFLECTION OF MAIN LINE SEWER PIPE, AS DIRECTED BY OCSD. MAXIMUM MAIN LINE SEWER DEFLECTION SHALL BE NO GREATER THAN 5%.
2. BACKFILL FROM 12 IN. TO 24 IN. ABOVE THE PIPE EMBEDMENT MATERIAL SHALL BE FINE EARTH FREE FROM CINDERS AND SHALL BE MECHANICALLY COMPACTED. REMAINING BACKFILL SHALL BE FREE FROM LARGE CLODS, ROCKS, AND CINDERS.
3. PLACE EMBEDMENT MATERIAL BY HAND AND HAND COMPACT UNDER AND AROUND SIDES OF PIPE. PLACE EMBEDMENT MATERIAL IN 6" LAYERS ABOVE TOP OF PIPE, AND HAND COMPACT TO A POINT 12 INCH MINIMUM ABOVE THE TOP OF PIPE.THE
4. OWNER AND CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A COMPETENT PERSON DURING ALL PHASES OF CONSTRUCTION WHOSE DUTY SHALL BE TO INSURE THAT ALL PHASES OF CONSTRUCTION ARE IN FULL COMPLIANCE WITH OCSD NO.1 SPECIFICATIONS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL STATUTES. CODES, RULES, REGULATIONS AND LAWS INCLUDING, BUT NOT LIMITED TO UNITED STATES DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND NEW YORK STATE DEPARTMENT OF LABOR FOR OSHA SECTION 1910.146 PERMIT REQUIRED CONFINED SPACE ENTRY, OSHA SECTION 1926.650 EXCAVATION GENERAL PROTECTION REQUIREMENTS AND OSHA SECTION 1926.651 TRENCHING AND SHORING, STATE OF NEW YORK UNIFORM FIRE PREVENTION AND BUILDING CODES AND NATIONAL FIRE PROTECTION ASSOCIATION CODES.
5. ALL APPROVED MAIN LINE SEWER PIPE SHALL BE THE SAME MATERIAL FROM MANHOLE TO MANHOLE.
6. FILL SECTION AREA MUST BE GRADED WITH THE PLACEMENT OF SUITABLE SOIL MATERIAL, AS DETERMINED BY THE PROJECT SITE ENGINEER, IN 12" (MAX.) LAYERS COMPACTED TO 95% OF THE MAXIMUM DENSITY OF THE SOIL AS DETERMINED BY THE STANDARD PROCTOR TEST (AASHTO DESIGNATION T-99) TO 2'-0" (MIN.) ABOVE TOP OF PIPE AT A MINIMUM WIDTH OF O.D.
   • 4'-0" BEFORE TRENCH EXCAVATING. (ANY FILL SECTION AREA THAT DOES NOT CONFORM TO THIS FILL SECTION AREA COMPACTION STANDARD SHALL REQUIRE THE INSTALLATION OF CLASS 52 DIP. TAR COATED INSIDE AND OUT. FROM MANHOLE TO MANHOLE FOR SEWER MAINS AND ALONG THE ENTIRE SERVICE LINE RUN FOR BUILDING LATERAL SEWERS.) ALL FILL SECTION AREAS SHALL REQUIRE REVIEW AND APPROVAL BY OCSD1 BEFORE INSTALLING PIPE.
7. WHERE ROCK IS ENCOUNTERED IN TRENCH BOTTOM, UNDERCUT MUST BE MADE BETWEEN 12" MIN. TO 24" MAX.
8. WHERE UNSUITABLE MATERIAL IS ENCOUNTERED IN TRENCH BOTTOM, UNDERCUT TO SUITABLE MATERIAL (AS APPROVED).



PIPE O.D.	TRENCH WIDTH
24" AND SMALLER	O.D. + 1'-4"
30" AND LARGER	O.D. + 2'-0"

UT #4
N.T.S.
02/23

TYPICAL TRENCH DETAIL (SANITARY SEWER)

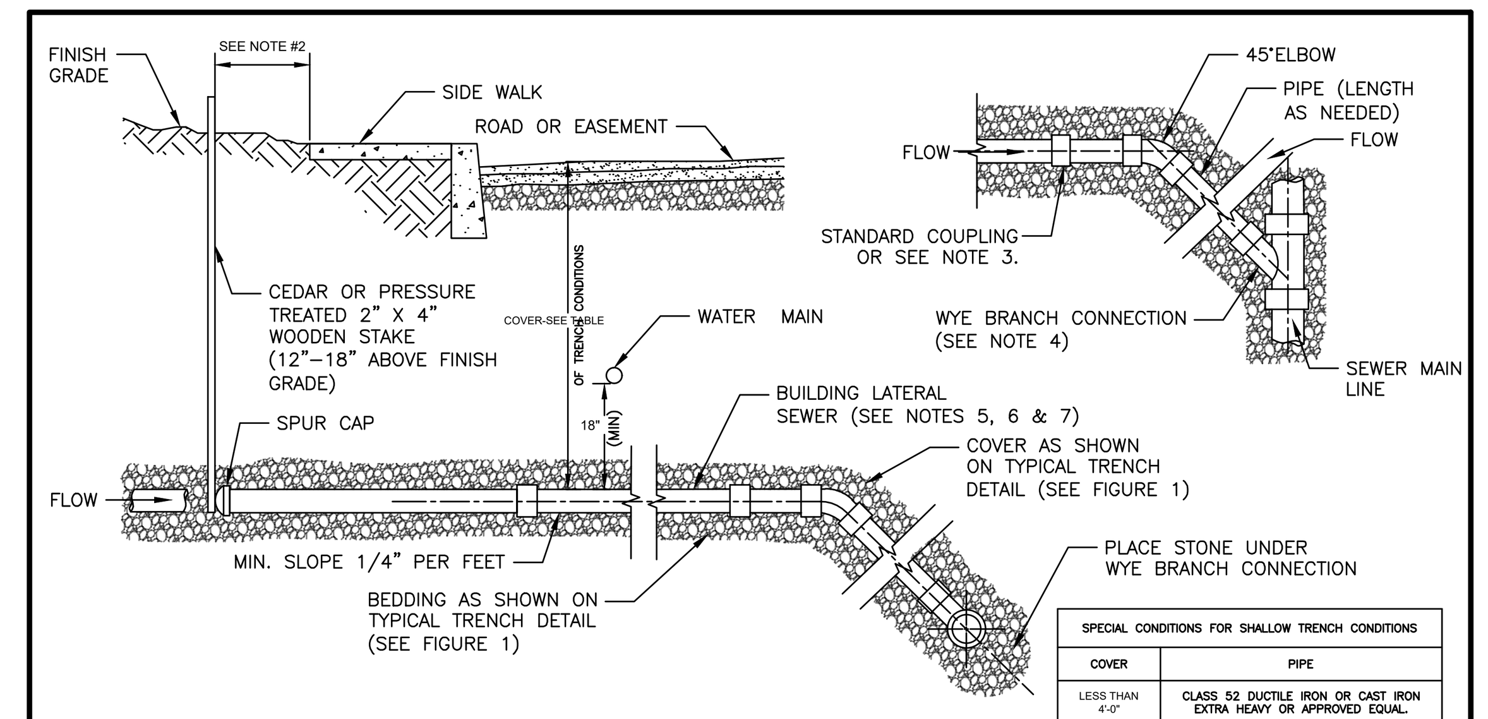


NOTES:
1.) EACH BUILDING LATERAL SEWER SHALL HAVE A CLEANOUT INSTALLED APPROXIMATELY 2' DOWNSTREAM OF THE BUILDING PIPE TO BUILDING LATERAL SEWER CONNECTION, THEREAFTER, CLEANOUTS SHALL BE INSTALLED ALONG THE BUILDING LATERAL SEWER APPROXIMATELY EVERY 100' (MAXIMUM), FOR THE PURPOSE OF CLEANOUT LOCATIONS, DISTANCE SHALL BE MEASURED FROM THE FIRST CLEANOUT LOCATED DOWNSTREAM OF THE BUILDING PIPE TO BUILDING LATERAL SEWER CONNECTION, HENCE DOWNSTREAM ALONG THE BUILDING LATERAL SEWER TO THE CENTER OF THE SEWER MAIN LINE (GENERALLY LOCATED IN THE CENTER OF THE STREET).

2.) A CLEANOUT LOCATED IN A ROAD, DRIVEWAY OR PARKING AREA SHALL REQUIRE A CAMBELL FOUNDRY *4164 CAST IRON FRAME AND COVER (OR APPROVED EQUAL).

UT#1
N.T.S.
02/24

BUILDING LATERAL SEWER CLEANOUT (C.O.)



SPECIAL CONDITIONS FOR SHALLOW TRENCH CONDITIONS	
COVER	PIPE
LESS THAN 4'-0"	CLASS 52 DUCTILE IRON OR CAST IRON EXTRA HEAVY OR APPROVED EQUAL.

SANITARY SEWER SPECIFICATIONS (FOR BUILDING LATERAL SEWERS AND SEWER MAIN LINE)

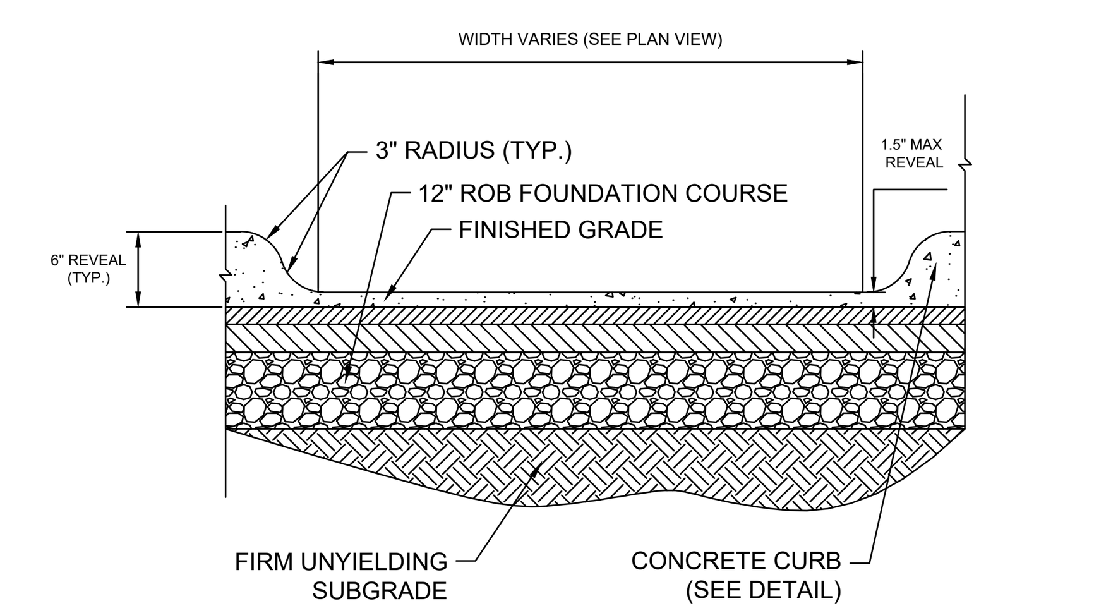
1. REQUIRED MAIN LINE SEWER (OR APPROVED EQUAL):
   A) ABS-TRUSS PIPE:
      I) PIPE: STAMPED ASTM 02680
      II) FITTINGS: STAMPED ASTM D2680
      III) JOINTS: SOLVENT WELD, ASTM 02235
   B) PVC-TRUSS PIPE:
      I) PIPE: STAMPED ASTM 02680
      II) FITTINGS: STAMPED ASTM D2680
      III) JOINTS: SOLVENT WELD, ASTM D2564 OR ELASTOMERIC (GASKET)
   C) PVC- SDR 26 HEAVY WALL PIPE:
      I) PIPE: PIPE (8"-15" DIAMETER): STAMPED ASTM D3034. PIPE (18" AND GREATER DIAMETER): STAMPED ASTM F679
      II) FITTINGS: STAMPED ASTM D3034 OR F679.
      III) JOINTS: SOLVENT WELD, ASTM D2564 OR ELASTOMERIC GASKET
   D) PVC- SDR 35 SOLID WALL PIPE:
      I) PIPE PIPE (8"-15" DIAMETER): STAMPED ASTM D3034. PIPE (18" AND GREATER DIAMETER): STAMPED ASTM F679.
      II) FITTINGS: STAMPED ASTM D3034 OR F679.
      III) JOINTS: BELL AND SPIGOT WITH ELASTOMERIC GASKET ASTM D3034 OR SOLVENT WELD ASTM D2564.
2. REQUIRED 4" OR 6" (AS APPROVED) BUILDING LATERAL SEWER (OR APPROVED EQUAL):
   A) PVC - SDR 35 SOLID WALL PIPE:
      I) PIPE: STAMPED ASTM D3034 AND SDR 35
      II) FITTINGS: STAMPED SDR 35 AND ASTM D3034
      III) JOINTS: BELL AND SPIGOT WITH ELASTOMERIC GASKET ASTM D3034 OR SOLVENT WELD ASTM D2564
   B) SDR 26 HEAVY WALL PIPE:
      I) PIPE: STAMPED ASTM D3034 AND SDR 26
      II) FITTINGS: STAMPED ASTM D3034 AND SDR 26
      III) JOINTS: BELL AND SPIGOT WITH ELASTOMERIC GASKET ASTM D3034 OR SOLVENT WELD ASTM D2564
   C) SDR 23.5 ABS SOLID WALL PIPE:
      I) PIPE: PIPE (8"-15" DIAMETER): STAMPED ASTM D3034. PIPE (18" AND GREATER DIAMETER): STAMPED ASTM F679
      II) FITTINGS: STAMPED ASTM D3034 OR F679.
      III) JOINTS: SOLVENT WELD, ASTM D2564 OR ELASTOMERIC GASKET
   D) PVC- SDR 35 SOLID WALL PIPE:
      I) STAMPED ASTM D2751 AND SDR 23.5
      II) FITTINGS: STAMPED SDR 23.5 ASTM D2751
      III) JOINTS: SOLVENT WELD, ASTM D2235
3. OTHER REQUIRED PIPE MATERIALS FOR BUILDING LATERAL SEWERS AND SEWER MAIN LINE (OR APPROVED EQUAL):
   A) CAST IRON, EXTRA HEAVY, COATED, HUB & PLAIN END, ASTM C-74 WITH ELASTOMERIC COMPRESSION GASKET (ASTM C-564)
   B) BY DUCTILE IRON PIPE: CLASS 52, CEMENT LINED AND TAR COATED INSIDE AND OUT.

NOTES :

1. ALL APPROVED BUILDING LATERAL SEWER PIPE MATERIAL FOR EACH CONNECTION MADE SHALL BE CONSTRUCTED FROM THE SAME MATERIAL.
2. MINIMUM HORIZONTAL SEPARATION BETWEEN SPUR CAP AND SIDEWALK SHALL BE 2'-0" IN ALL CASES THE SPUR CAP LOCATION SHALL EXTEND A MINIMUM HORIZONTAL DISTANCE OF 2' - 0" ONTO ALL BUILDING LOT PROPERTIES.
3. TRANSITION BETWEEN DIFFERENT PIPE MATERIAL (AS APPROVED) SHALL, MADE BY INSTALLING A TYPE 1, STYLE 62 DRESSER COUPLING OR DRESSER STYLE 62 HYMAX COUPLING (OR APPROVED EQUAL).
4. WYE BRANCH CONNECTION SHALL BE A FITTING CONSTRUCTED SPECIFICALLY FOR THE INSTALLED MAIN LINE SEWER MATERIAL CLASS (OR APPROVED EQUAL)
5. THE BUILDINGS LATERAL SEWER SHOWN FROM THE MAIN LINE SOURCE WYE BRANCH CONNECTION FITTING TO THE SPUR CAP SHALL MEET THE SPECIFICATIONS SHOWN FOR 2) BUILDING LATERAL SEWER
6. 4" BUILDING LATERAL SEWER MAY BE APPROVED FOR CONSTRUCTION OF SINGLE (1) AND TWO (2) FAMILY DWELLINGS ONLY. ALL OTHER BUILDING LATERAL SEWERS (INCLUDING ALL COMMERCIAL USES) SHALL BE 6 " IN DIAMETER
7. EACH 6" BUILDING LATERAL SEWER SHALL PROVIDE SERVICE FOR NO MORE THAN TWELVE EQIVALENT LIVING UNITS AS DETERMINED BY OCSD NO. 1 UNLESS A REQUESTED DEVIATION IS APPROVED IN WRITING BY OSCD NO.1

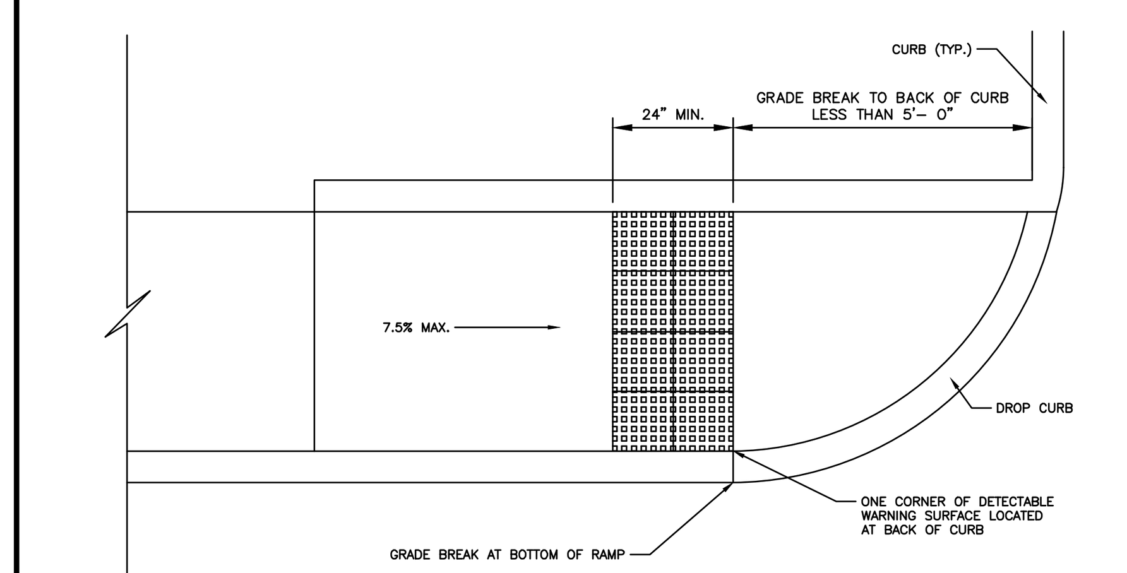
UT #7
N.T.S.
02/23

SANITARY SEWER CONSTRUCTION MATERIALS



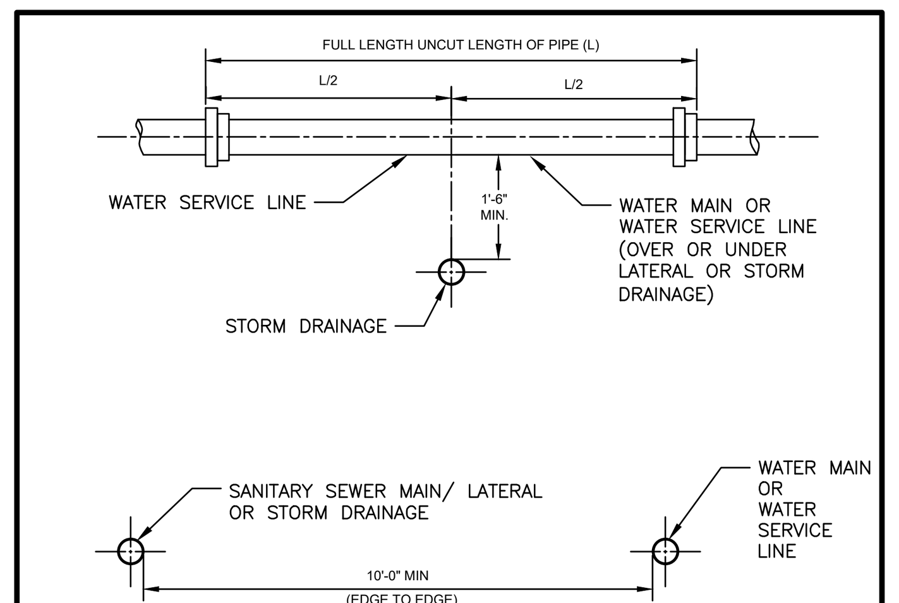
CD#3
N.T.S.
02/24

CURB CUT DETAIL



CD# 36
N.T.S.
07/24

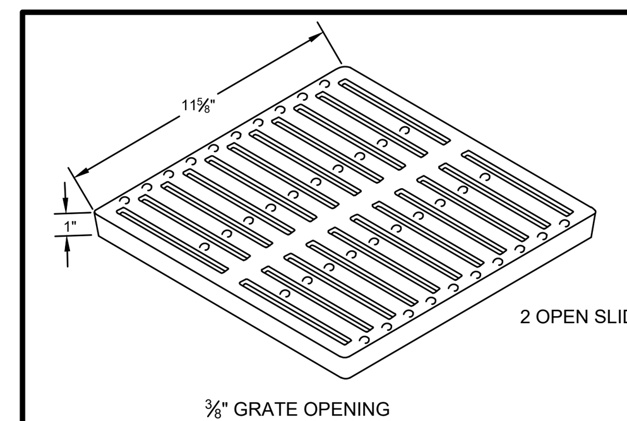
ADA RAMP DETAIL



NOTE :THE SEPARATION REQUIREMENT SHALL CONFIRM TO CURRENT ORANGE COUNTY DEPARTMENT OF HEALTH STATUTES, CODES, RULES, REGULATIONS AND LAWS AS THEY APPLY. ANY DEVIATION FROM THE ABOVE SEPARATION REQUIREMENTS SHALL REQUIRE WRITTEN APPROVAL FROM THE ORANGE COUNTY DEPARTMENT OF HEALTH.

UT #5
N.T.S.
02/23

SANITARY SEWER/WATER/STORM DRAINAGE SEPARATION REQUIREMENTS



MATERIAL: CAST IRON
WEIGHT: 15.30 LBS
COLORS: BLACK (1213)
FITS: USE WITH 12" CATCH BASIN SERIES
GRATE OPENINGS: 37.2 IN² OPEN SPACE
WILL ACCOMMODATE: 113.80 GALLONS PER MINUTE WITH ½" OF HEAD.

LOAD RECOMMENDATION GUIDE

CLASS C

- LOADS OF 176-325 PSI.
- RECOMMENDED FOR HEAVY-DUTY PNEUMATIC TIRE FORKLIFTS AND TRACTOR TRAILERS AT SPEEDS LESS THAN 20 M.P.H., H-20 RATED

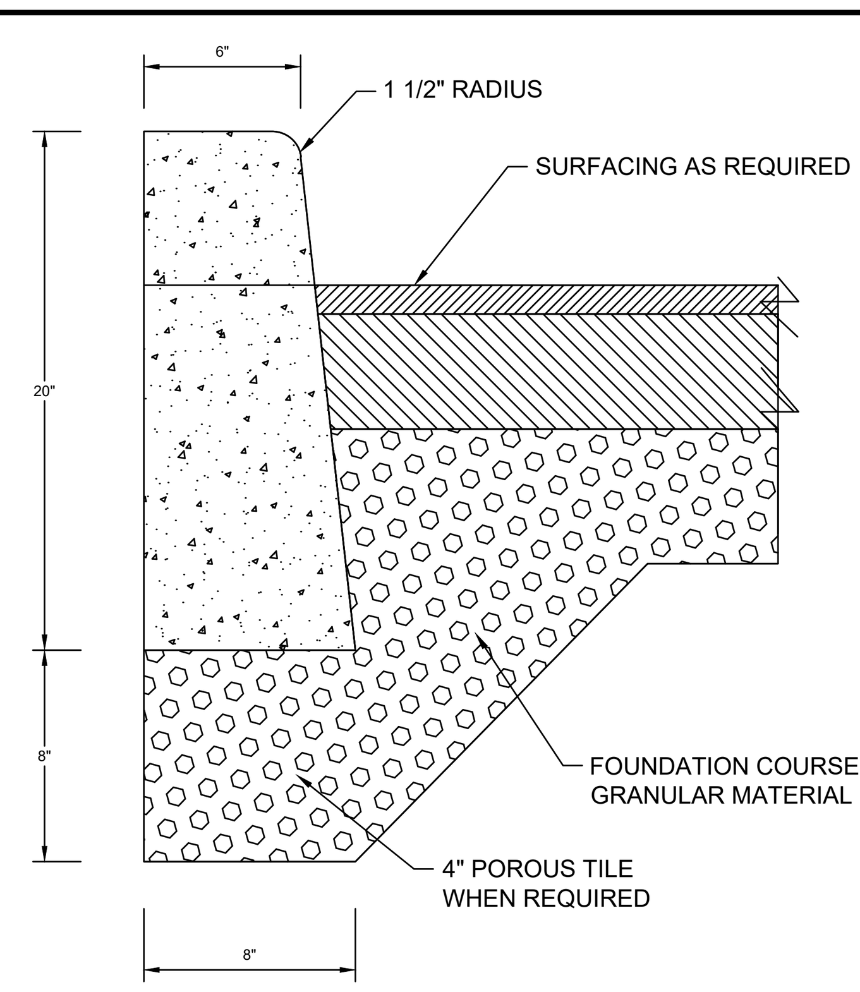
NOTE: SOME INSTALLATIONS MAY REQUIRE A CONCRETE COLLAR TO MEET LOAD RATING. LOADS ARE BASED ON ENCASING PRODUCT ON CONCRETE. PRODUCT MUST BE INSTALLED USING NDS INSTRUCTIONS.

ADA COMPLIANCE

NDS PROVIDES A WIDE SELECTION OF GRATES THAT ARE COMPLIANT WITH THE AMERICANS WITH DISABILITIES ACT.
THE ADA ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES SECTION 4.5.4 SPECIFIES THAT GROUND AND FLOOR GRATES "SHALL HAVE SPACES NO GREATER THAN ½ IN (13 MM) WIDE IN ONE DIRECTION."

CD# 18
N.T.S.
03/24

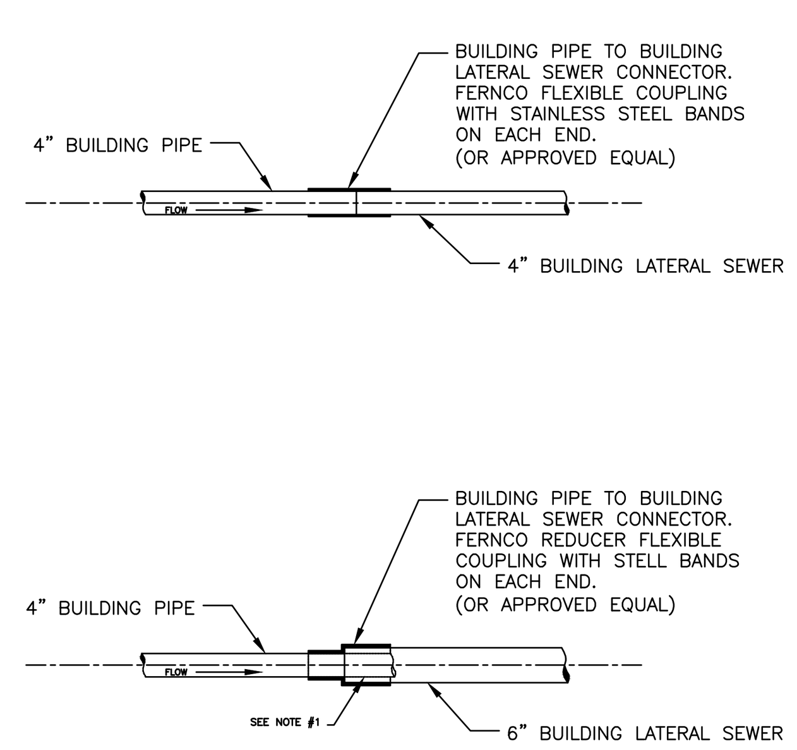
12x12 SQUARE CAST IRON GRATE



NOTES:
1. CURB SHALL BE CAST IN PLACE. EXPANCION JOINTS OF 3/16" CELLULOSE OR SIMILAR MATERIAL SHALL BE PLACED AT THEN (10) FOOT INTERVALS. CONCRETE TO BE 1:2:3 MIX DESIGN, AIR ENTRAINED WITH DUREX OR EQUAL.
2. CONCRETE TO TEST 4000 PSI AT 28 DAYS

CD#4
N.T.S.
02/24

CONCRETE CURB DETAIL



NOTES:

1. 4" BUILDING PIPE TO STUB APPROXIMATELY 6" INTO 6" BUILDING LATERAL SEWER.
2. EACH 4" BUILDING LATERAL SEWER MAY BE APPROVED FOR CONSTRUCTION OF SINGLE (1) AND TWO (2) FAMILY DWELLINGS ONLY.
3. EACH 6" BUILDING LATERAL SEWER SHALL BE REQUIRED FOR ALL COMMERCIAL USES AND SERVE NO MORE THAN TWELVE (12) EQUIVALENT LIVING UNITS, AS DETERMINED BY OCSDI, UNLESS A REQUESTED DEVIATION IS APPROVED IN WRITING BY OCSD NO. 1
4. BUILDING PIPE SHALL NOT EXCEED MORE THAN 10' FROM EXTERIOR OF BUILDING FOUNDATION.
5. 6" BUILDING PIPE TO 6" BUILDING LATERAL SEWER SHALL BE MADE BY INSTALLING A TYPE 1, STYLE 62 DRESSER COUPLING OR DRESSER STYLE 262 HYMAX COUPLING (OR APPROVED EQUAL)

UT #6
N.T.S.
02/23

BUILDING PIPE TO BUILDING LATERAL SEWER CONNECTION

Dig Safely, New York
Call 811
before you dig

TERRANOVA ENGINEERING CONSULTANTS

TERRANOVA ENGINEERING CONSULTANTS DPC NEW YORK LICENSE No. 0022576
71 LAFAYETTE AVE, SUFFERN, NY 10901 SUITE #104 INFO@TERRANVC.COM P:(845) 666-0155

NO.	REVISION	DATE	DR/CK
1	SITE LAYOUT	06/12/2025	ER/YB

JOSIP MEDIC, PE

STATE OF NEW YORK · JOSIP MEDIC · 103757 · LICENSED PROFESSIONAL ENGINEER

LIC. 103757 DATE 06/12/2025

DETAIL SHEET

DESIGN BY:	DRAWN BY:	CHECKED BY:
YB	EB	JM

40 MERRIEWOLD LN S

40 MERRIEWOLD LANE S, VILLAGE OF SOUTH BLOOMING GROVE,
TOWN OF BLOOMING GROVE, ORANGE COUNTY, NY 10950
SBL 210-1-4

DRAWING NUMBER:	SCALE:	FILE NO.:	DATE:
07 OF 07	NTS	25130	05/13/2025