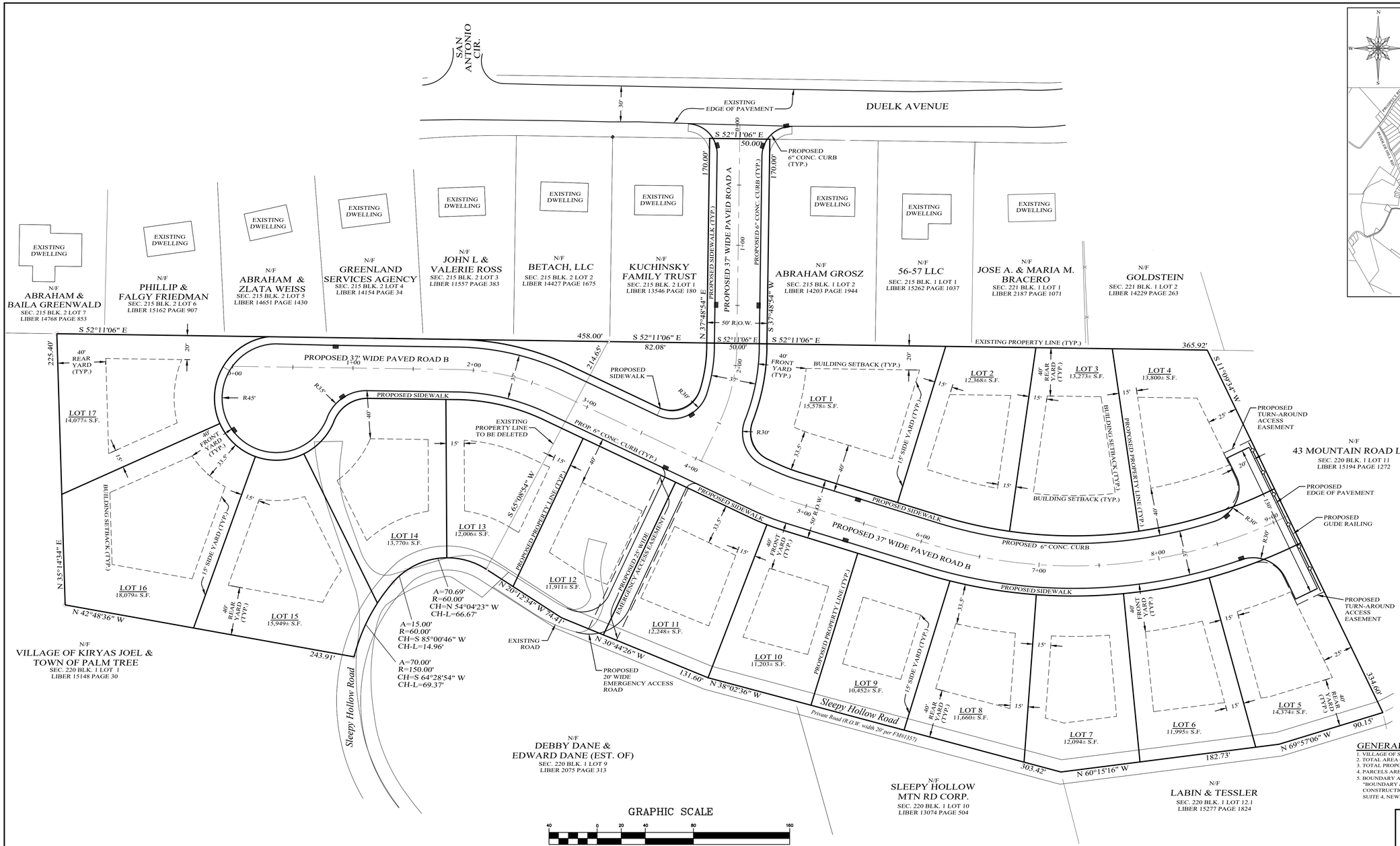


LOCATION MAP
SCALE: 1" = 2000'

BULK REQUIREMENTS
RB- ZONE

BULK REQUIREMENTS

	MINIMUM
LOT AREA, NET (S.F.)	10,000
LOT AREA, GROSS (S.F.)	12,000
FRONTAGE (FT.)	60*
FRONT YARD (FT.)	40**
REAR YARD (FT.)	40
SIDE YARD (FT.)	15
	MAXIMUM
BUILDING COVERAGE (%)	50
BUILDING HEIGHT (STORIES)	2

*MINIMUM FRONTAGE ON CURVED LOTS SHALL BE MEASURED AT THE FRONT SETBACK LINE

**MINIMUM FRONT YARD SHALL BE 40 FEET AS MEASURED FROM THE EDGE OF PAVEMENT.

GENERAL NOTES:

1. VILLAGE OF SOUTH BLOOMING GROVE TAX MAP DESIGNATION: SEC. 220, BLK. 1, LOTS 3, 24, & 28
2. TOTAL AREA OF PARCELS PER TAX MAPS: 6.6± AC.
3. TOTAL PROPOSED NUMBER OF SINGLE FAMILY LOTS: 17
4. PARCELS ARE LOCATED IN THE RR ZONING DISTRICT.
5. BOUNDARY AND TOPOGRAPHY INFORMATION SHOWN TAKEN FROM A MAP ENTITLED "BOUNDARY & TOPOGRAPHIC SURVEY OF THE LANDS OF 7 TIMOTHY LLC" AUTOMATED CONSTRUCTION ENHANCED SOLUTIONS, INC: PROFESSIONAL LAND SURVEYING 1229 ROUTE 300 SUITE 4, NEWBURGH, NY 12550. AS PREPARED BY JONATHAN N. MILLEN, L.L.S. DATED 11-26-2022

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

LEGEND

- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE
- EXISTING 2' CONTOUR LINE
- EXISTING 10' CONTOUR LINE
- BUILDING SETBACK LINE
- EXISTING EDGE OF PAVEMENT
- PROPOSED WALK
- PROPOSED CONC. CURB
- PROPOSED EASEMENT

RECORD APPLICANT

POSITIVE DEVELOPERS
C/O ARON RAUCH
580 RTE 208
MONROE, NY

RECORD OWNERS

7 TIMOTHY LLC.
505 FLUSHING
AVE STE 1D
BROOKLYN NY 11205

SDYV LLC
2 SKILLMAN ST
UNIT 413
BROOKLYN NY 11205

DATE	REVISIONS
03-06-23	INITIAL PREPARATION

TREZA SUBDIVISION

VILLAGE OF SOUTH BLOOMING GROVE, ORANGE COUNTY, NEW YORK
PROJECT TITLE

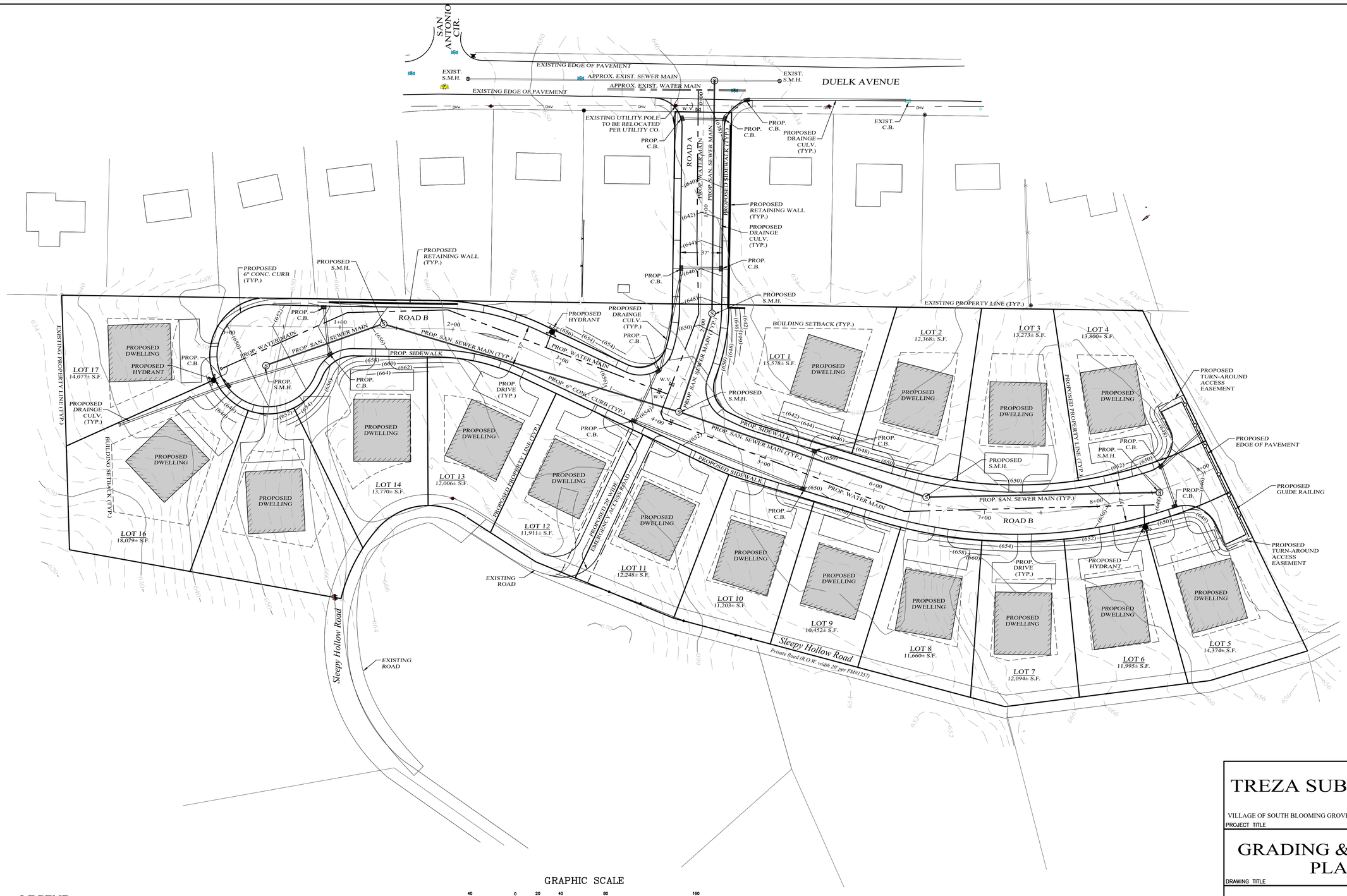
SUBDIVISION PLAN

DRAWING TITLE

KIRK ROTHER, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick, NY 10990
(845) 986-0620

KIRK ROTHER, P.E. N.Y.S. LIC. NO. 070053 DATE

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	1 OF 4
CAD # 23103	PROJECT # 23103.0	SCALE AS SHOWN	
SKETCH			



LEGEND

EXISTING PROPERTY LINE	
EXISTING 2' CONTOUR LINE	
EXISTING 10' CONTOUR LINE	
BUILDING SETBACK LINE	
EXISTING EDGE OF PAVEMENT	
PROPOSED WALK	
PROPOSED CONC. CURB	
PROPOSED EASEMENT	

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)

1 inch = 40 ft.

TREZA SUBDIVISION

VILLAGE OF SOUTH BLOOMING GROVE, ORANGE COUNTY, NEW YORK

PROJECT TITLE

GRADING & UTILITY PLAN

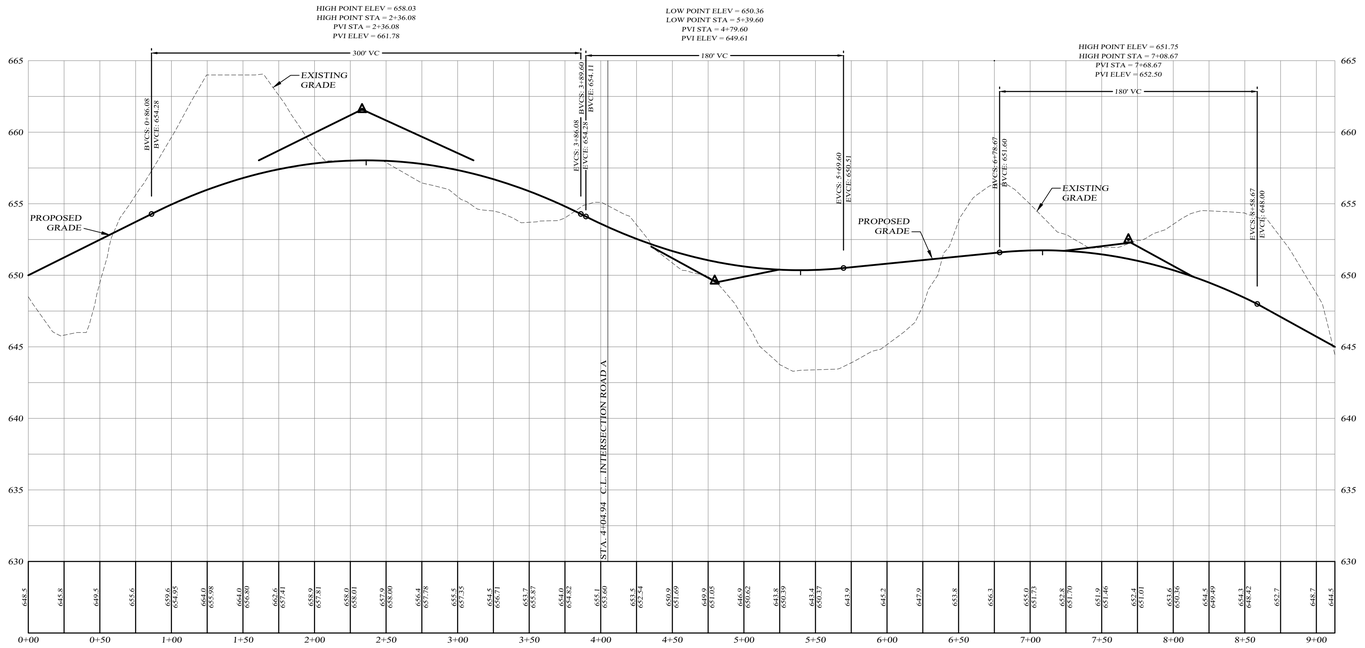
DRAWING TITLE

KIRK ROTHER, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick, NY 10990
(845) 988-0620

DATE	REVISIONS
03-06-23	INITIAL PREPARATION

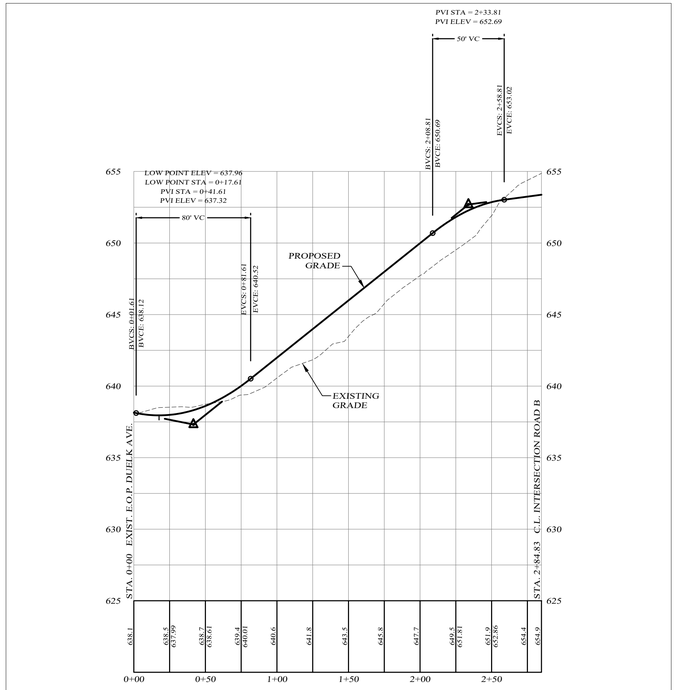
KIRK ROTHER, P.E. N.Y.S. LIC. NO. 079053 DATE

D.O.T. SHEET #	D.E.C.. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	2 OF 4
CAD # 23103	PROJECT #	SCALE	
SKETCH	23103.0	AS SHOWN	



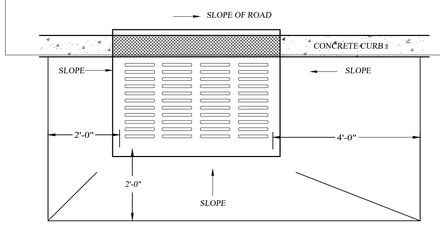
ROAD B PROFILE

SCALES:
HOR: 1" = 50'
VER: 1" = 5'

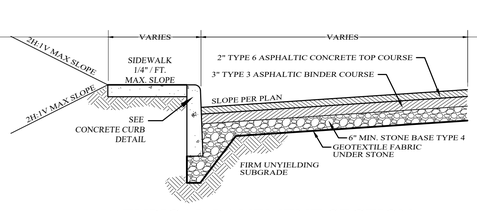


ROAD A PROFILE

SCALES:
HOR: 1" = 50'
VER: 1" = 5'

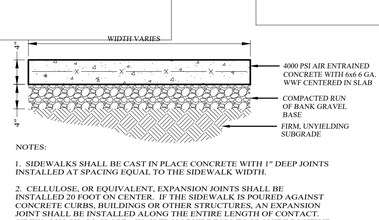


PLAN



TYPICAL PAVEMENT SECTION PARKING LOTS & DRIVEWAYS

NOT TO SCALE



NOTES:

1. SIDEWALKS SHALL BE CAST IN PLACE CONCRETE WITH 1" DEEP JOINTS INSTALLED AT SPACING EQUAL TO THE SIDEWALK WIDTH.

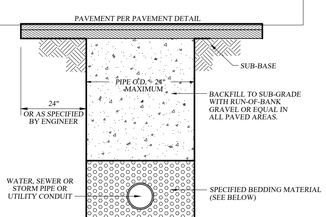
2. CELLULOSE, OR EQUIVALENT, EXPANSION JOINTS SHALL BE INSTALLED 20 FOOT ON CENTER. IF THE SIDEWALK IS POURED AGAINST CONCRETE CURBS, BUILDINGS OR OTHER STRUCTURES, AN EXPANSION JOINT SHALL BE INSTALLED ALONG THE ENTIRE LENGTH OF CONTACT. SIDEWALKS SHALL SLOPE AWAY FROM BUILDINGS TO PROVIDE POSITIVE DRAINAGE AND CONFORM TO THE LATEST REVISION OF ALL APPLICABLE REGULATORY STANDARDS INCLUDING THE AMERICANS WITH DISABILITIES ACT.

3. MIX DESIGN SHALL BE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE GUIDELINES FOR CONCRETE EXPOSED TO FREEZING, THAWING AND DE-ICING CHEMICALS. CONCRETE SHALL HAVE A WATER - CEMENTITIOUS RATIO OF 0.45 AND AIR ENTRAINMENT OF 4 1/2% FOR A 1" NOMINAL AGGREGATE SIZE. CONCRETE TO TEST 4000 PSI AT 28 DAYS.

4. SIDEWALK SURFACE TO BE A BROOM FINISH WITH GROOVES RUNNING PERPENDICULAR TO THE LENGTH OF SIDEWALK.

CONCRETE SIDEWALK DETAIL

NOT TO SCALE



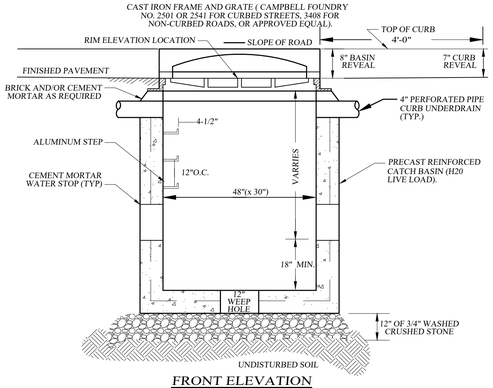
MATERIALS

PIPE ZONE BEDDING MATERIAL:
1. WATER MAINS: SAND OR RUN-OF-BANK GRAVEL, AS APPROVED BY SOILS ENGINEER.

PIPE ZONE BACKFILL MATERIAL:
1. WATER MAINS: ON-SITE MATERIAL FREE OF STONE, CLAY FOREIGN MATERIAL OR FROZEN EARTH AS APPROVED BY SOILS ENGINEER.

PIPE BEDDING AND BACKFILL DETAIL

NOT TO SCALE

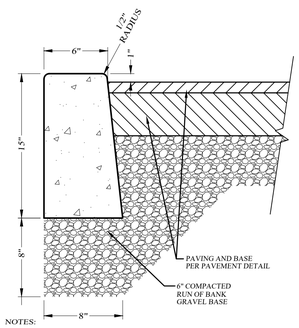


FRONT ELEVATION

NOTES:
1. BACKFILL AROUND CATCH BASIN TO BE COMPACTED IN MAX. 8" LIFTS.
2. THE ENDS OF ALL PIPES SHALL BE CUT OFF FLUSH WITH THE INSIDE SURFACE OF CATCH BASIN AND ADEQUATELY MORTARED.
3. PRECAST CONCRETE TO BE 4000 PSI @ 28 DAYS

PRECAST CONCRETE CURB INLET DETAIL

NOT TO SCALE



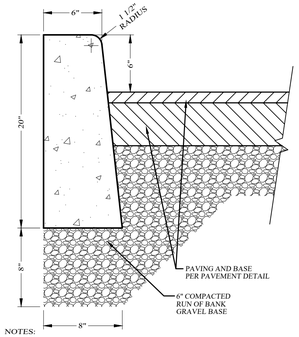
NOTES:

1. CURB SHALL BE CAST IN PLACE CONCRETE WITH CELLULOSE, OR EQUIVALENT, EXPANSION JOINTS INSTALLED AT TEN (10) FOOT INTERVALS.

2. MIX DESIGN SHALL BE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE GUIDELINES FOR CONCRETE EXPOSED TO FREEZING, THAWING AND DE-ICING CHEMICALS. CONCRETE SHALL HAVE A WATER - CEMENTITIOUS RATIO OF 0.45 AND AIR ENTRAINMENT OF 4 1/2% FOR A 1" NOMINAL AGGREGATE SIZE. CONCRETE TO TEST 4000 PSI AT 28 DAYS.

CONCRETE DROP CURB DETAIL

NOT TO SCALE



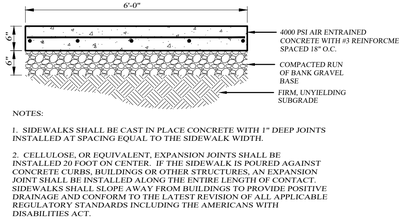
NOTES:

1. CURB SHALL BE CAST IN PLACE CONCRETE WITH CELLULOSE, OR EQUIVALENT, EXPANSION JOINTS INSTALLED AT TEN (10) FOOT INTERVALS.

2. MIX DESIGN SHALL BE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE GUIDELINES FOR CONCRETE EXPOSED TO FREEZING, THAWING AND DE-ICING CHEMICALS. CONCRETE SHALL HAVE A WATER - CEMENTITIOUS RATIO OF 0.45 AND AIR ENTRAINMENT OF 4 1/2% FOR A 1" NOMINAL AGGREGATE SIZE. CONCRETE TO TEST 4000 PSI AT 28 DAYS.

CONCRETE CURB DETAIL (WITHIN SITE)

NOT TO SCALE



NOTES:

1. SIDEWALKS SHALL BE CAST IN PLACE CONCRETE WITH 1" DEEP JOINTS INSTALLED AT SPACING EQUAL TO THE SIDEWALK WIDTH.

2. CELLULOSE, OR EQUIVALENT, EXPANSION JOINTS SHALL BE INSTALLED 20 FOOT ON CENTER. IF THE SIDEWALK IS POURED AGAINST CONCRETE CURBS, BUILDINGS OR OTHER STRUCTURES, AN EXPANSION JOINT SHALL BE INSTALLED ALONG THE ENTIRE LENGTH OF CONTACT. SIDEWALKS SHALL SLOPE AWAY FROM BUILDINGS TO PROVIDE POSITIVE DRAINAGE AND CONFORM TO THE LATEST REVISION OF ALL APPLICABLE REGULATORY STANDARDS INCLUDING THE AMERICANS WITH DISABILITIES ACT.

3. MIX DESIGN SHALL BE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE GUIDELINES FOR CONCRETE EXPOSED TO FREEZING, THAWING AND DE-ICING CHEMICALS. CONCRETE SHALL HAVE A WATER - CEMENTITIOUS RATIO OF 0.45 AND AIR ENTRAINMENT OF 4 1/2% FOR A 1" NOMINAL AGGREGATE SIZE. CONCRETE TO TEST 4000 PSI AT 28 DAYS.

4. SIDEWALK SURFACE TO BE A BROOM FINISH WITH GROOVES RUNNING PERPENDICULAR TO THE LENGTH OF SIDEWALK.

CONCRETE SIDEWALK AT PARKING LOT ENTRANCE DETAIL

NOT TO SCALE

TREZA SUBDIVISION

VILLAGE OF SOUTH BLOOMING GROVE, ORANGE COUNTY, NEW YORK

PROJECT TITLE

ROAD PROFILES & DETAILS

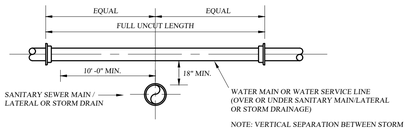
DRAWING TITLE

KIRK ROTHER, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick, NY 10990
(845) 988-0620

DATE	REVISIONS
03-06-23	INITIAL PREPARATION

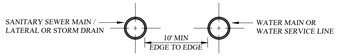
KIRK ROTHER, P.E. N.Y.S. LIC. NO. 079053 DATE

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	3 OF 4
CAD # 23103	PROJECT #	SCALE	
SKETCH	23103.0	AS SHOWN	



VERTICAL SEPARATION DETAIL

NOT TO SCALE



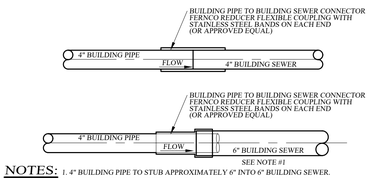
HORIZONTAL SEPARATION DETAIL

NOT TO SCALE

NOTE: THE SEPARATION REQUIREMENT SHALL CONFORM TO CURRENT ORANGE COUNTY DEPARTMENT OF HEALTH STATUES, 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.

WATER/SEWER SEPARATION REQUIREMENTS

NOT TO SCALE

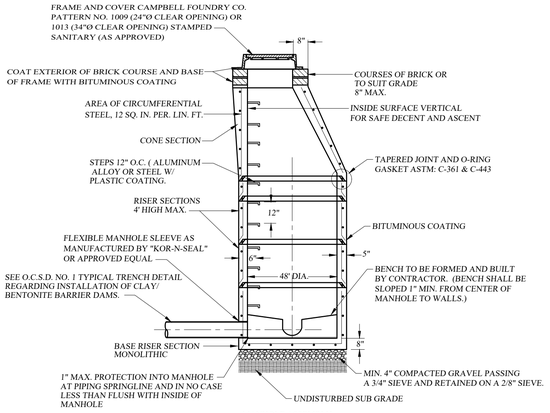


NOTES:

1. 4" BUILDING PIPE TO STUB APPROXIMATELY 6" INTO 6" BUILDING SEWER.
2. EACH 4" BUILDING SEWER MAY BE APPROVED FOR CONSTRUCTION OF SINGLE (1) AND TWO (2) FAMILY DWELLINGS ONLY.
3. EACH 6" BUILDING SEWER SHALL BE REQUIRED FOR ALL COMMERCIAL USES AND SERVE NO MORE THAN TWELVE (12) EQUIVALENT LIVING UNITS, AS DETERMINED BY OCSD1, 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 SEWER SHALL BE MADE BY INSTALLING A TYPE 1, STYLE 62 DRESSER COUPLING OR DRESSER STYLE 262 HYRAX COUPLING (OR APPROVED EQUAL).

BUILDING PIPE TO BUILDING SEWER CONNECTION

NOT TO SCALE



MANHOLE ASSEMBLY

PRECAST REINFORCED CONCRETE MANHOLE

NOT TO SCALE

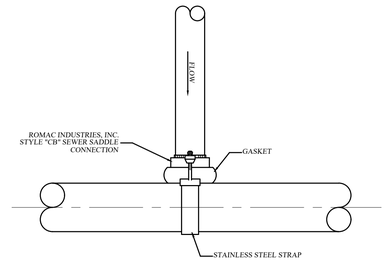
-MANHOLE TO MEET CURRENT REQUIREMENTS OF ASTM: C-478

-JOINTS: LOCK TYPE WITH ROUND RUBBER GASKETS. THE WEIGHT OF EACH SECTION MUST MAKE AN INFILTRATION PROOF JOINT BY FORCING THE GASKET TIGHT.

-ALL MATERIALS AND CONSTRUCTION SHALL MEET THE REQUIREMENTS OF OCSD NO. 1

-MANHOLE TO BE SUITABLE FOR H-20 LOADING.

-MANHOLE EXTERIOR MUST BE 100% BITUMINOUS COATING.

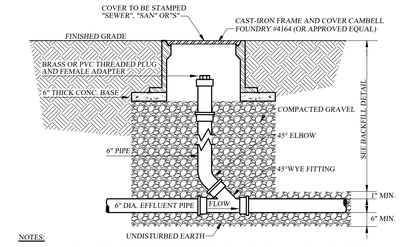


NOTES:

1. ALL APPROVED BUILDING SEWER PIPE MATERIAL FOR EACH CONNECTION MADE SHALL BE CONSTRUCTED FROM THE SAME MATERIAL.
2. SADDLE CONNECTION TO BE STYLE "CB" SEWER SADDLE AS MANUFACTURED BY ROMAC INDUSTRIES, INC. OR APPROVED EQUAL.
3. REFER TO DETAIL SPECIFICATIONS FOR STYLE "CB" SEWER SADDLE AS PROVIDED BY ROMAC INDUSTRIES, INC. FOR INSTALLATION GUIDELINES.
4. INSTALLATION AND MATERIALS OF THE SADDLE CONNECTION TO CONFORM WITH O.C.S.D. NO. 1 CRITERIA . THERE WILL BE NO DEVIATION FROM THE APPROVED PLAN WITHOUT WRITTEN APPROVAL FROM THE SEWER DEPARTMENT.

SADDLE CONNECTION DETAIL

NOT TO SCALE

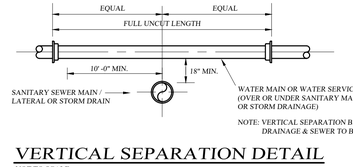


NOTES:

1. EACH BUILDING SEWER SHALL HAVE A CLEANOUT INSTALLED APPROXIMATELY 2' DOWNSTREAM OF THE BUILDING PIPE TO BUILDING SEWER CONNECTION. THEREIAFTER, CLEANOUTS SHALL BE INSTALLED ALONG THE BUILDING SEWER APPROXIMATELY EVERY 100' (MAXIMUM). FOR THE PURPOSE OF CLEANOUT LOCATIONS, DISTANCE SHALL BE MEASURED FROM THE FIRST CLEANOUT LOCATED DOWNSTREAM OF THE HOUSE PIPE TO BUILDING SEWER CONNECTION, HENCE DOWNSTREAM ALONG THE BUILDING 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 FOUNDARY #4164 CAST IRON FRAME AND COVER. (OR APPROVED EQUAL)

BUILDING SEWER CLEAN-OUT DETAIL

NOT TO SCALE



VERTICAL SEPARATION DETAIL

NOT TO SCALE

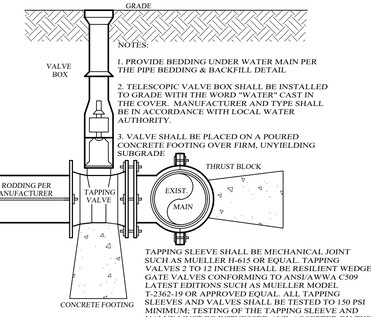
HORIZONTAL SEPARATION DETAIL

NOT TO SCALE

NOTE: THE SEPARATION REQUIREMENT SHALL CONFORM TO CURRENT ORANGE COUNTY DEPARTMENT OF HEALTH STATUES, 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.

WATER/SEWER SEPARATION REQUIREMENTS

NOT TO SCALE



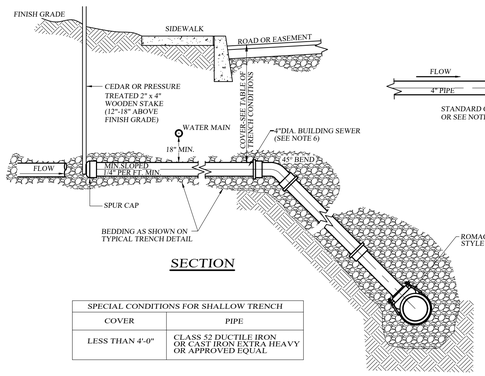
NOTES:

1. PROVIDE BEDDING UNDER WATER MAIN PER THE PIPE BEDDING & BACKFILL DETAIL.
2. TELESCOPIC VALVE BOX SHALL BE INSTALLED TO GRADE WITH THE WORD "WATER" CAST IN THE COVER. MANUFACTURER AND TYPE SHALL BE IN ACCORDANCE WITH LOCAL WATER AUTHORITY.
3. VALVE SHALL BE PLACED ON A POURED CONCRETE FOOTING OVER FIRM, UNYIELDING SUBGRADE

TAPPING SLEEVE SHALL BE MECHANICAL JOINT SUCH AS MUELLER H-615 OR EQUAL. TAPPING VALVES 2 TO 12 INCHES SHALL BE RESILIENT WEDGE GATE VALVES CONFORMING TO ANSI/AWWA C509 LATEST EDITIONS SUCH AS MUELLER MODEL T-2362-19 OR APPROVED EQUAL. ALL TAPPING SLEEVES AND VALVES SHALL BE TESTED TO 150 PSI MINIMUM; TESTING OF THE TAPPING SLEEVE AND VALVE MUST BE WITNESSED AND ACCEPTED BY THE VILLAGE OF SOUTH BLOOMING GROVE WATER DEPARTMENT PRIOR TO CUTTING INTO THE PIPE.

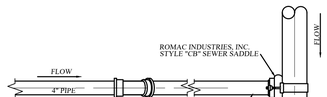
WATER MAIN TAPPING VALVE DETAIL

NOT TO SCALE



SECTION

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



PLAN

NOTES:

1. EACH 6" BUILDING SEWER SHALL PROVIDE SERVICE FOR NO MORE THAN TWELVE (12) EQUIVALENT LIVING UNITS, AS DETERMINED BY OCSD NO. 1 UNLESS A REQUESTED DEVIATION IS APPROVED IN WRITING BY SEWER DEPARTMENT.
2. ALL APPROVED BUILDING SEWER PIPE MATERIAL FOR EACH CONNECTION MADE SHALL BE CONSTRUCTED FROM THE SAME MATERIAL.
3. 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.
4. TRANSITION BETWEEN DIFFERENT PIPE MATERIAL (AS APPROVED) SHALL BE MADE BY INSTALLING A TYPE 1, STYLE 62 DRESSER COUPLING OR DRESSER STYLE 262 HYMAX COUPLING (OR APPROVED EQUAL).
5. SADDLE CONNECTION SHALL BE A FITTING CONSTRUCTED SPECIFICALLY FOR THE INSTALLED MAIN LINE SEWER MATERIAL CLASS (OR APPROVED EQUAL).
6. THE BUILDINGS SEWER SHOWN FROM THE MAIN LINE SOURCE SADDLE CONNECTION FITTING TO THE SPUR CAP SHALL MEET THE SPECIFICATIONS SHOWN FOR (i) 6" SEWER SERVICE LATERALS.
7. 4" BUILDING SEWER LATERAL MAY BE APPROVED FOR CONSTRUCTION OF SINGLE (1) AND TWO (2) FAMILY DWELLINGS ONLY. ALL OTHER BUILDING LATERAL SEWERS (INCLUDING COMMERCIAL) SHALL BE 6" IN DIA. -

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

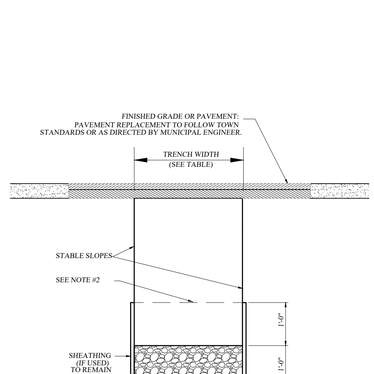
1) REQUIRED MAIN LINE SEWER (OR APPROVED EQUAL):
- A) ABS-TRUSS PIPE:
  - I) PIPE: STAMPED ASTM D2680.
  - II) FITTINGS: STAMPED ASTM D2680.
  - III) JOINTS: SOLVENT WELD, ASTM D2235.
- B) PVC-TRUSS PIPE:
  - I) PIPE: STAMPED ASTM D2680.
  - II) FITTINGS: STAMPED ASTM D2680.
  - III) JOINTS: SOLVENT WELD, ASTM D2564 OR ELASTOMERIC (GASKET).
- C) PVC - SDR 26 HEAVY WALL PIPE
  - I) PIPE (8"-15" DIAMETER): STAMPED ASTM 3034. PIPE (18" AND GREATER DIAMETER): STAMPED ASTM F679.
  - II) FITTINGS: STAMPED ASTM 3034 OR F679.
  - III) JOINTS: SOLVENT WELD ASTM 2564 OR ELASTOMERIC (GASKET).
- D) PVC - SDR 35 SOLID WALL PIPE
  - I) PIPE (8"-15" DIAMETER): STAMPED ASTM D3034. PIPE (18" OR GREATER DIAMETER): STAMPED ASTM F769.
  - II) FITTINGS: STAMPED ASTM 3034 OR F679.
  - III) JOINTS: BELL & SPIGOT WITH ELASTOMETRIC GASKET ASTM D3034 OR SOLVENT WELD ASTM D2564.

II) REQUIRED 6" 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 3034.
  - III) JOINTS: BELL & SPIGOT WITH ELASTOMETRIC GASKET ASTM D3034 OR SOLVENT WELD ASTM D2564.
- B) PVC - SDR 26 HEAVY WALL PIPE
  - I) PIPE STAMPED ASTM D3034 AND SDR 26.
  - II) FITTINGS: STAMPED D3034 AND SDR 26.
  - III) JOINTS: BELL & SPIGOT WITH ELASTOMETRIC GASKET ASTM D3034 OR SOLVENT WELD ASTM D2564.
- C) PVC - SDR 23.5 ABS SOLID WALL PIPE
  - I) PIPE STAMPED ASTM D2751 AND SDR 23.5.
  - II) FITTINGS: STAMPED SDR 23.5 AND ASTM D2751.
  - III) JOINTS: SOLVENT WELD ASTM D2564.

III) OTHER REQUIRED PIPE MATERIALS FOR 6" LATERAL 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) DUCTILE IRON PIPE: CLASS 52, CEMENT LINED AND TAR COATED INSIDE AND OUT.

SEWER MAIN CONNECTION DETAIL

NOT TO SCALE



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

TYPICAL TRENCH DETAIL (SANITARY SEWER)

NOT TO SCALE

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 STANDARD PROTECTOR 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 BY J-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, NATURAL DEBRIS, 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 MAXIMUM ABOVE THE TOP OF PIPE.

4) THE 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 FOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION AND N.Y.S. DEPARTMENT OF LABOR FOR SECTION 1910.146 PERMIT REQUIRED CONFINED SPACE ENTRY, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION 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 MAN-HOLE TO MAN-HOLE.

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 PROTECTOR TEST (ASSHTO DESIGNATION T-99) TO 2'-0" (MIN.) ABOVE TOP OF PIPE AT A MINIMUM WIDTH OF O.D. + 4'-0" BEFORE TRENCH EXCAVATING.

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 BY TOWN ENGINEER).

TREZA SUBDIVISION

VILLAGE OF SOUTH BLOOMING GROVE, ORANGE COUNTY, NEW YORK

PROJECT TITLE

SANITARY DETAILS

DRAWING TITLE

03-06-23	INITIAL PREPARATION
DATE	REVISIONS

KIRK ROTHER, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick, NY 10990
(845) 988-0620

KIRK ROTHER, P.E. N.Y.S. LIC. NO. 079053 DATE

D.O.T. SHEET #	D.E.C.. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	4 OF 4
CAD # 23103	PROJECT #	SCALE	
SKETCH	23103.0	AS SHOWN	