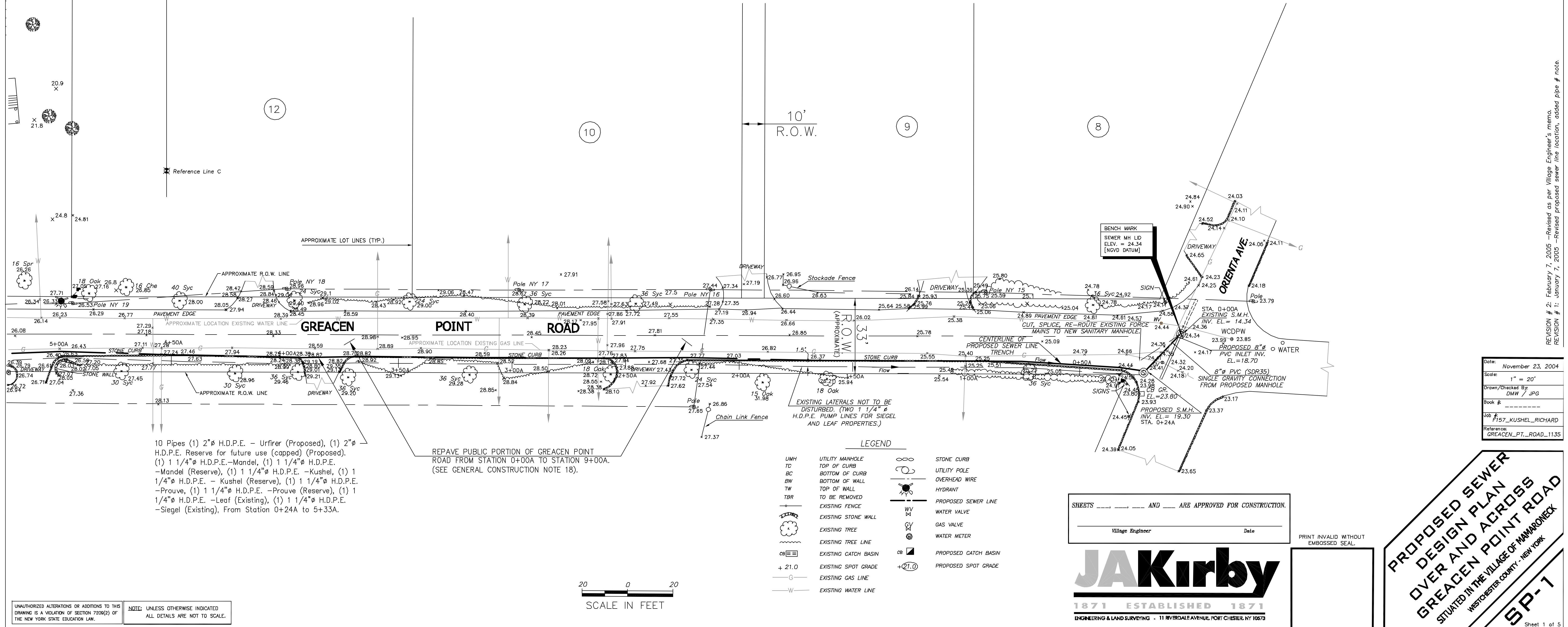
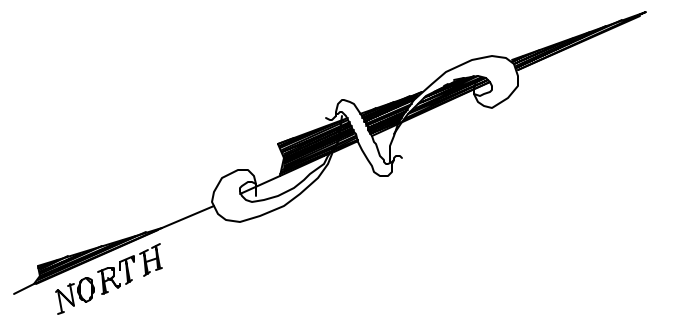


## GENERAL CONSTRUCTION NOTES:

- CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF WORK AND TO NOTIFY ENGINEER OF ANY DISCREPANCIES THAT ARE FOUND.
- CONTRACTOR TO PROVIDE ALL PROPER BARRICADES, ETC. TO MAINTAIN PROPER TRAFFIC AND PEDESTRIAN FLOW.
- ANY TREES OR BUSHES DAMAGED DURING COURSE OF CONSTRUCTION WILL BE THE CONTRACTOR'S RESPONSIBILITY TO REPLACE WITH NEW.
- ANY TREES OR BUSHES CONTRACTOR TO REPLACE ANY FENCE, LAWN AND PAVEMENT ETC. DAMAGED DURING THE COURSE OF CONSTRUCTION.
- ALL WORK MATERIALS, SPECIFICATIONS, REGULATIONS, RULES, PERMITS, ETC. OF ALL STATE, COUNTY AND THE VILLAGE OF MAMARONECK SHALL BE FOLLOWED BY THE CONTRACTOR.
- ALL MANUFACTURED ITEMS SHALL BE INSTALLED OR APPLIED AS DIRECTED BY THE MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTORS AND HIS SUBCONTRACTORS SHALL MAINTAIN WORKMEN'S COMPENSATION INSURANCE AS WELL AS ADEQUATE LIABILITY INSURANCE DURING THE ENTIRE LENGTH OF THE JOB. CONTRACTOR SHALL SUPPLY THE REQUIRED INSURANCE AS SPECIFIED BY THE VILLAGE OF MAMARONECK.
- CONTRACTOR SHALL FURNISH ALL PERMITS, LICENSES AND APPROVALS NECESSARY TO COMPLETE THE WORK.
- CONTRACTOR TO INCLUDE ALL MATERIALS, LABOR, INCIDENTALS AND SERVICES FOR SATISFACTORY COMPLETION OF ALL WORK.
- JOB SITE SHALL BE KEPT CLEAN AT ALL TIMES, TRASH TO BE REMOVED FROM THE SITE DAILY.
- NOTIFY THE ENGINEER OF ANY UNSUITABLE SUB SURFACE CONDITIONS IF ENCOUNTERED DURING EXCAVATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL SUB SURFACE CONDITIONS WITH RESPECT TO ANY UNFORESEEN CONDITIONS PRIOR TO COMMENCEMENT OF WORK. ENGINEER NOT RESPONSIBLE FOR ANY SUB SURFACE CONDITIONS.
- CARE SHALL BE TAKEN TO PROTECT THE TREES TO REMAIN FROM THE METHODS OF CONSTRUCTION, TRAFFICKING AND STORAGE OF MATERIALS. RETURN THOSE AREAS DAMAGED BY SUCH TO THEIR ORIGINAL CONDITION.
- DURING CONSTRUCTION, PROVISIONS FOR SAFE PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES.
- CONTRACTOR TO PROVIDE SAWCUT AT ALL DRIVEWAY APRONS WHICH ARE DISTURBED DURING THE COURSE OF CONSTRUCTION. RESTORATION SHALL INCLUDE NEW ASPHALT BASE AND TOP. IF ANY DRIVEWAY APRONS ARE STONE PAVERS CONTRACTOR TO RESTORE TO ITS ORIGINAL CONDITION.
- CONTRACTOR TO REMOVE AND PROPERLY STALL AND REINSTALL EXISTING FENCES WHICH ARE DISTURBED DURING THE COURSE OF CONSTRUCTION OR REPLACE WITH NEW AS REQUIRED.
- CONTRACTOR TO RESTORE ALL ROADWAY AND CURBING DISTURBED DURING CONSTRUCTION AND RESTORE TO THEIR ORIGINAL CONDITION PER VILLAGE OF MAMARONECK REQUIREMENTS.
- SEPARATE ELECTRICAL AND PLUMBING PERMITS TO BE FILED BY LICENSED PROFESSIONALS.
- PUBLIC PORTION (Stations 0+00A to 9+00A) of GREACEN POINT ROAD TO RECEIVE CURB TO CURB REPAVING AT CONCLUSION OF CONSTRUCTION. PAVEMENT SHALL COMPLY WITH THE VILLAGE OF MAMARONECK REQUIREMENTS USING 7.5 INCHES NYS ITEM 403.16 TOP COURSE.
- ALL PROPOSED FUTURE RESERVE PUMP LINES SHALL TERMINATE 2 FEET UPSTREAM OF THE PROPOSED LATERAL TERMINAL SEWER MANHOLE AT STATION 0+24A. SEE ALSO PROFILE ON SHEET SP-5.

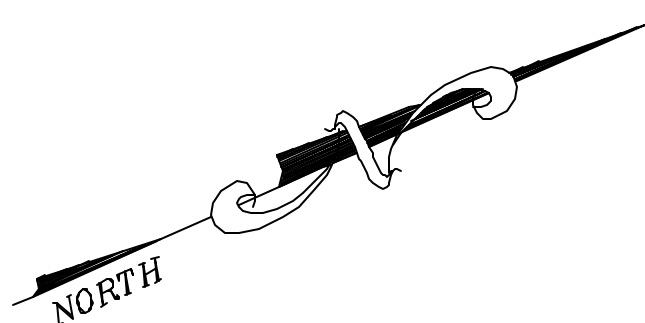
## GENERAL SEWER NOTES:

- THESE PLANS ARE FOR THE PROPOSED INDIVIDUAL SANITARY SEWER AND GRINDER PUMP CONNECTION APPLICATIONS TO THE VILLAGE OF MAMARONECK SEWER SYSTEM. ADDITIONAL DETAILS WILL BE REQUIRED PRIOR TO ACTUAL CONSTRUCTION.
- EXISTING TOPOGRAPHIC INFORMATION SHOWN HEREON WAS OBTAINED FROM A FIELD SURVEY CONDUCTED BY THE J.A. KIRBY COMPANY LLP ON OCTOBER 30, 2004 (NGVD 1929 DATUM).
- THE EXTERIOR SURFACE OF THE EXISTING MANHOLE SHALL BE GIVEN TWO TWO COATS OF BITUMINOUS WATERPROOFING WHERE THE PROPOSED SEWER PUMP LINE CONNECTIONS ARE MADE.
- THE DEPARTMENT OF PUBLIC WORKS SHALL BE NOTIFIED 72 HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION.
- ALL CONSTRUCTION AREAS ARE TO BE RESTORED UPON COMPLETION OF CONSTRUCTION. LAWN AREAS SHALL HAVE 6 INCH MINIMUM TOPSOIL, GRASS SEED AND HAY MULCH.
- EXACT SETBACK LINES AND PROPERTY LINES TO BE DETERMINED BY A LICENSED LAND SURVEYOR PRIOR TO ANY CONSTRUCTION.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS, METHODS AND SEQUENCES OF CONSTRUCTION AND FOR THE SAFETY OF WORKERS AND OTHERS ON THE CONSTRUCTION SITE. THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATIONS, DEPTH, AND INVERTS OF ANY AND ALL EXISTING UTILITIES PRIOR TO COMMENCING OPERATIONS. THE CONTRACTOR SHALL ALSO BE REQUIRED TO CONTACT THE TOLL FREE "CALL-BEFORE-YOU-DIG" (CODE 53) PHONE NUMBER AT 1-800-962-7862.
- ACTUAL PLACEMENT OF PROPOSED EROSION CONTROL MEASURES, AS REQUIRED, TO BE DETERMINED IN THE FIELD IN CONSULTATION WITH THE APPROPRIATE MUNICIPAL STAFF PRIOR TO COMMENCEMENT OF ACTUAL CONSTRUCTION. EROSION CONTROL DETAILS ARE SHOWN ON THESE PLANS.
- ALL CONCRETE PATCHING SHALL BE ACCOMPLISHED WITH AN NON-SHRINKING CEMENT MORTAR GROUT EQUAL TO "SEKA-SET" AS MANUFACTURED BY THE SEKA CHEMICAL CORP., OR APPROVED EQUAL.
- ALL INTERIOR BUILDING, EXTERIOR SITE PLUMBING WORK AND ANY REQUIRED ALTERATIONS MUST BE PERFORMED BY A WESTCHESTER COUNTY LICENSED PLUMBER.
- THE BED FOR SANITARY SEWER PIPE LATERAL, WHEN INSTALLED ALONG A ROCK TRENCH SHALL CONSIST OF A MINIMUM OF SIX (6") INCHES OF GRAVEL MATERIAL. NO PIPES SHALL BE INSTALLED UNLESS THE SELECTED MATERIAL HAS BEEN PREVIOUSLY APPROVED BY THE DESIGN ENGINEER.
- SEWER PUMP LINE OR MAIN AND WATER MAIN SERVICE CROSSINGS SHALL BE CONSTRUCTED SUCH THAT ONE FULL LENGTH OF SEWER PIPE IS CENTERED ON THE WATER SERVICE SO THAT PIPE JOINTS ARE AS FAR AWAY FROM THE CROSSING AS POSSIBLE.
- INSTALLATION OF GRINDER PUMPS, PUMP LINES AND APPURTENANCES SHALL BE IN ACCORDANCE WITH ENVIRONMENT ONE CORPORATION SPECIFICATIONS. COPIES OF SAID SPECIFICATIONS CAN BE OBTAINED AT THE J. A. KIRBY COMPANY, LLP OFFICE UPON REQUEST.
- BELL ENDS SHALL POINT UPGRADE.
- THE VERTICAL ALIGNMENT OF THE PROPOSED SEWER GRAVITY OR PUMP LINES MAY REQUIRE ADJUSTMENTS DURING CONSTRUCTION BASED ON FIELD CONDITIONS. ANY ADJUSTMENTS REQUIRED SHALL BE DETERMINED BY THE DESIGN ENGINEER IN CONSULTATION WITH THE VILLAGE ENGINEER.
- CONSTRUCTION SHALL BE INSPECTED AS THE WORK PROGRESSES AND AN AS-BUILT SURVEY INCLUSIVE OF INFILTRATION AND EXFILTRATION TESTS IN ACCORDANCE WITH WESTCHESTER COUNTY HEALTH DEPARTMENT REQUIREMENTS SHALL BE SUPERVISED BY AND CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER UPON COMPLETION OF THE PROJECT. A MARKED-UP PRINT SHALL BE SUBMITTED TO THE SUPERINTENDENT OF THE SEWER DIVISION SHOWING ANY FIELD CHANGES.
- THE VILLAGE OF MAMARONECK DEPARTMENT OF PUBLIC WORKS MUST BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO ANY TESTING OF THE SEWER LINES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE APPROPRIATE HYDROSTATIC TESTING FOR THE 1 1/4" LOW PRESSURE SEWER LINES IN ACCORDANCE WITH WESTCHESTER COUNTY HEALTH DEPARTMENT REQUIREMENTS WHICH STIPULATES THAT THE HYDROSTATIC PRESSURE FOR THE TESTING MUST BE 1-1/2 TIMES THE WORKING PRESSURE OF THE LOW PRESSURE SEWER OR 60 P.S.I., WHICHEVER IS GREATER. THE DURATION OF THE TEST MUST BE A MINIMUM OF 2 HOURS PER COUNTY HEALTH DEPARTMENT REQUIREMENTS.
- SEWER MAY NOT BE PLACED INTO SERVICE UNTIL APPROVAL TO DO SO IS GIVEN BY THE APPROPRIATE MUNICIPAL AGENCY AND WILL REQUIRE SUBMITTAL OF 2 SETS OF AS-BUILT PLANS AND ACCEPTABLE LEAKAGE AND HYDROSTATIC TEST RESULTS.
- REFERENCE IS MADE TO CERTAIN PLANS ENTITLED "PROPOSED 1 1/4" SANITARY SEWER CONNECTION FOR THE PROVE RESIDENCE AT 943 GREACEN POINT ROAD,...", PREPARED BY BENEDICT A. SALANITRO, P.E. (SHEETS S-1 AND S-2), LATEST REVISION DATE OCTOBER 2, 2004.
- REFERENCE IS MADE TO CERTAIN PLAN ENTITLED "TOPOGRAPHIC SURVEY OF PLOT 7 AS SHOWN ON MAP OF PROPERTY CALLED GREACEN POINT,...", PREPARED BY RICHARD A. SPINELLI, LAND SURVEYOR, DATED NOVEMBER 16, 2004.
- REFERENCE IS MADE TO MAP NUMBERS 3230 AND 3468 ON FILE AT THE WESTCHESTER COUNTY CLERK'S OFFICE, DIVISION OF LAND RECORDS.









**LEGEND**

UMH	UTILITY MANHOLE	○	STONE CURB
TC	TOP OF CURB	○	UTILITY POLE
BC	BOTTOM OF CURB	○	OVERHEAD WIRE
BW	BOTTOM OF WALL	○	HYDRANT
TW	TOP OF WALL	○	PROPOSED SEWER LINE
TBR	TO BE REMOVED	○	WATER VALVE
EXISTING FENCE	EXISTING FENCE	○	GAS VALVE
EXISTING STONE WALL	EXISTING STONE WALL	○	WATER METER
EXISTING TREE	EXISTING TREE	○	PROPOSED CATCH BASIN
EXISTING TREE LINE	EXISTING TREE LINE	○	PROPOSED SPOT GRADE
EXISTING CATCH BASIN	EXISTING CATCH BASIN	○	
EXISTING SPOT GRADE	EXISTING SPOT GRADE	○	
EXISTING GAS LINE	EXISTING GAS LINE	○	
EXISTING WATER LINE	EXISTING WATER LINE	○	

2 Pipes (1) 2" Ø H.D.P.E. for Urfirer (Proposed),  
(1) 2" Ø H.D.P.E. Reserve for future use (capped) (Proposed).  
From Station 15+77.2A to 17+30.8A

4 Pipes (1) 2" Ø H.D.P.E. - Urfirer (Proposed), (1)  
2" Ø H.D.P.E. Reserve for future use (capped) (Proposed). (1) 1 1/4" Ø H.D.P.E. - Mandel, (1) 1  
1/4" Ø H.D.P.E. - Mandel (Reserve).  
From Station 12+85.6A to 15+77.2A.

PROPOSED 1 1/2" (SDR-9) H.D.P.E. PVC  
INDIVIDUAL SANITARY SEWER PUMP LINE  
TO EXISTING MANDEL RESIDENCE.

6 Pipes (1) 2" Ø H.D.P.E. - Urfirer (Proposed), (1) 2" Ø  
H.D.P.E. Reserve for future use (capped) (Proposed).  
(1) 1 1/4" Ø H.D.P.E. - Mandel, (1) 1 1/4" Ø H.D.P.E.  
- Mandel (Reserve), (1) 1 1/4" Ø H.D.P.E. - Kushel, (1)  
1 1/4" Ø H.D.P.E. - Kushel (Reserve).  
From Station 9+80A to 12+85.6A.

20 0 20  
SCALE IN FEET

SHEETS \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ AND \_\_\_\_\_ ARE APPROVED FOR CONSTRUCTION.

Village Engineer \_\_\_\_\_ Date \_\_\_\_\_

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

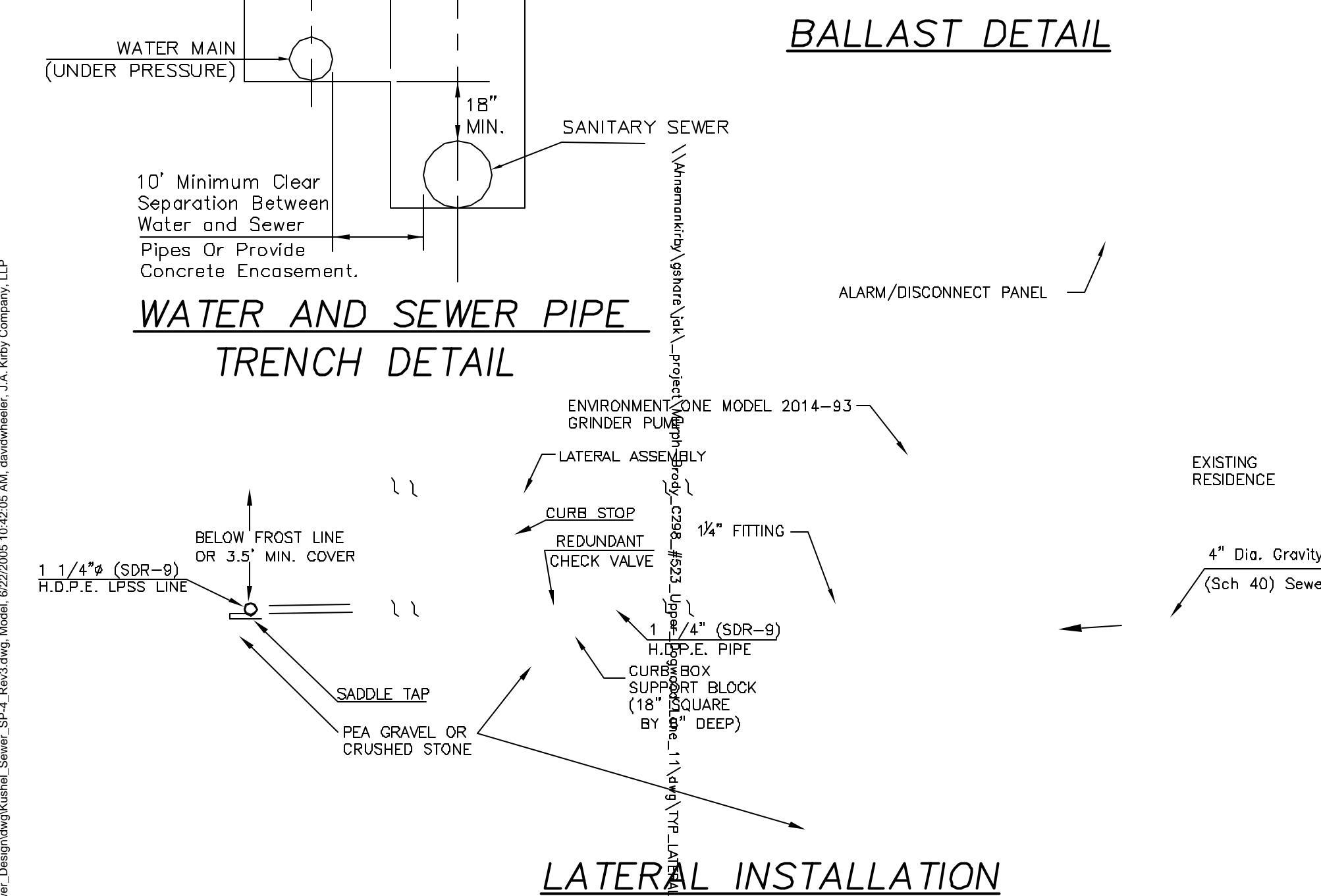
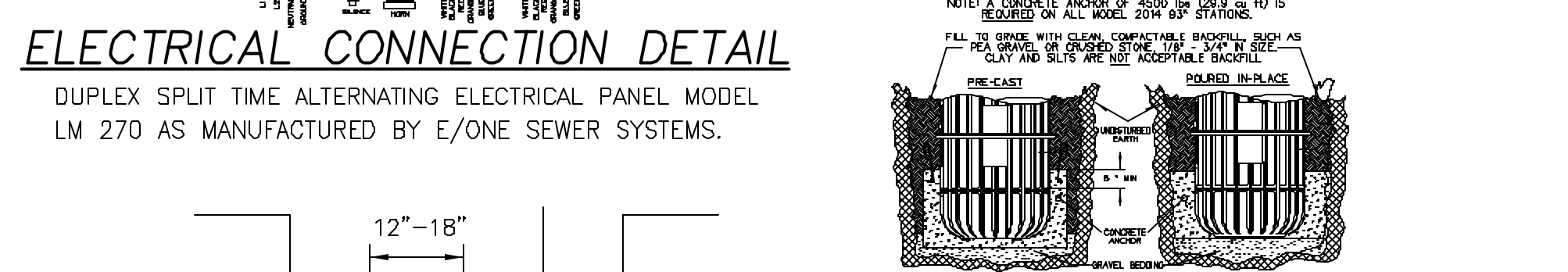
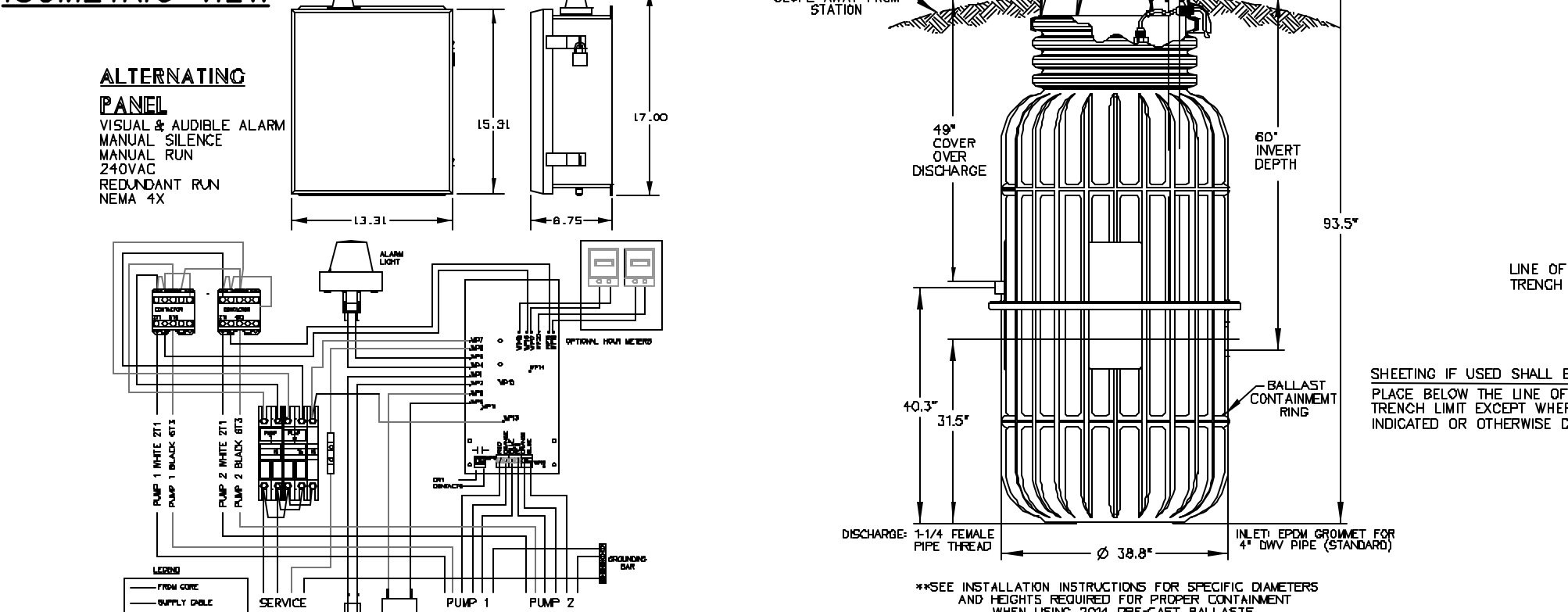
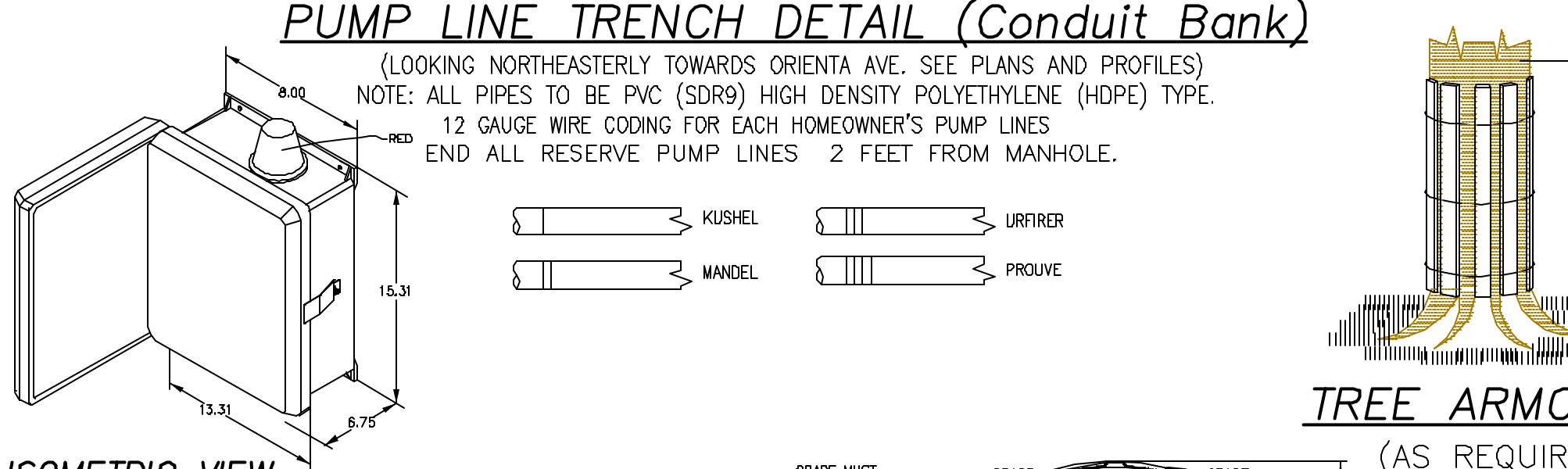
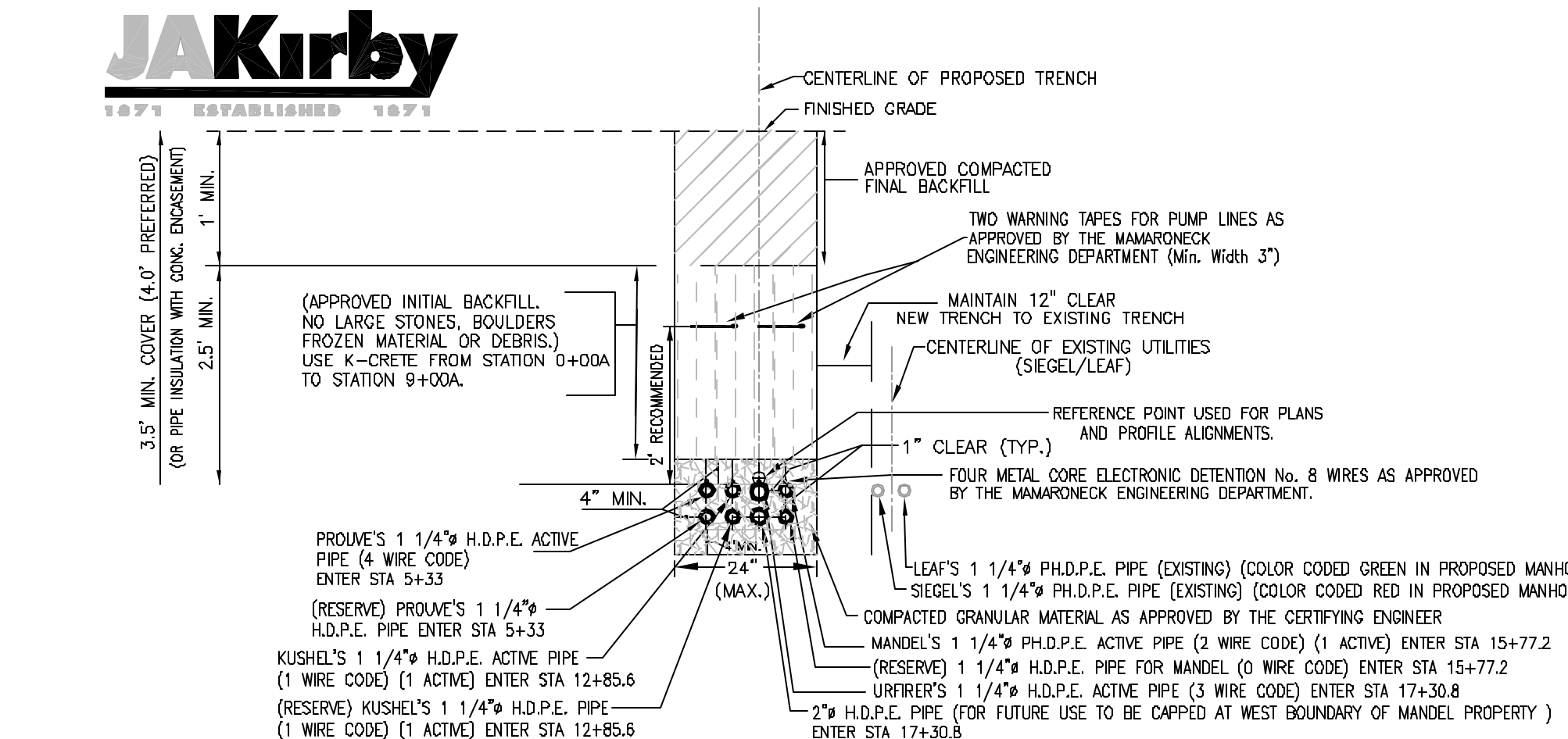
NOTE: UNLESS OTHERWISE INDICATED  
ALL DETAILS ARE NOT TO SCALE.

**PROPOSED SEWER  
DESIGN PLAN  
OVER AND ACROSS  
GREACEN POINT ROAD  
SITUATED IN THE VILLAGE OF MAMARONECK  
WESTCHESTER COUNTY, NEW YORK**  
SP-3  
Sheet 3 of 5

Date:	November 23, 2004
Scale:	1" = 20'
Drawn/Checked By:	DMW / JPG
Book #:	
Job #:	F157 KUSHEL, RICHARD
Reference:	GREACEN_PT_ROAD_1135

Rev. 2: February 7, 2005 - Revised as per Village Engineer's memo.  
Rev. 1: January 12, 2005 - Revised proposed sewer line location, added pipe # notes.

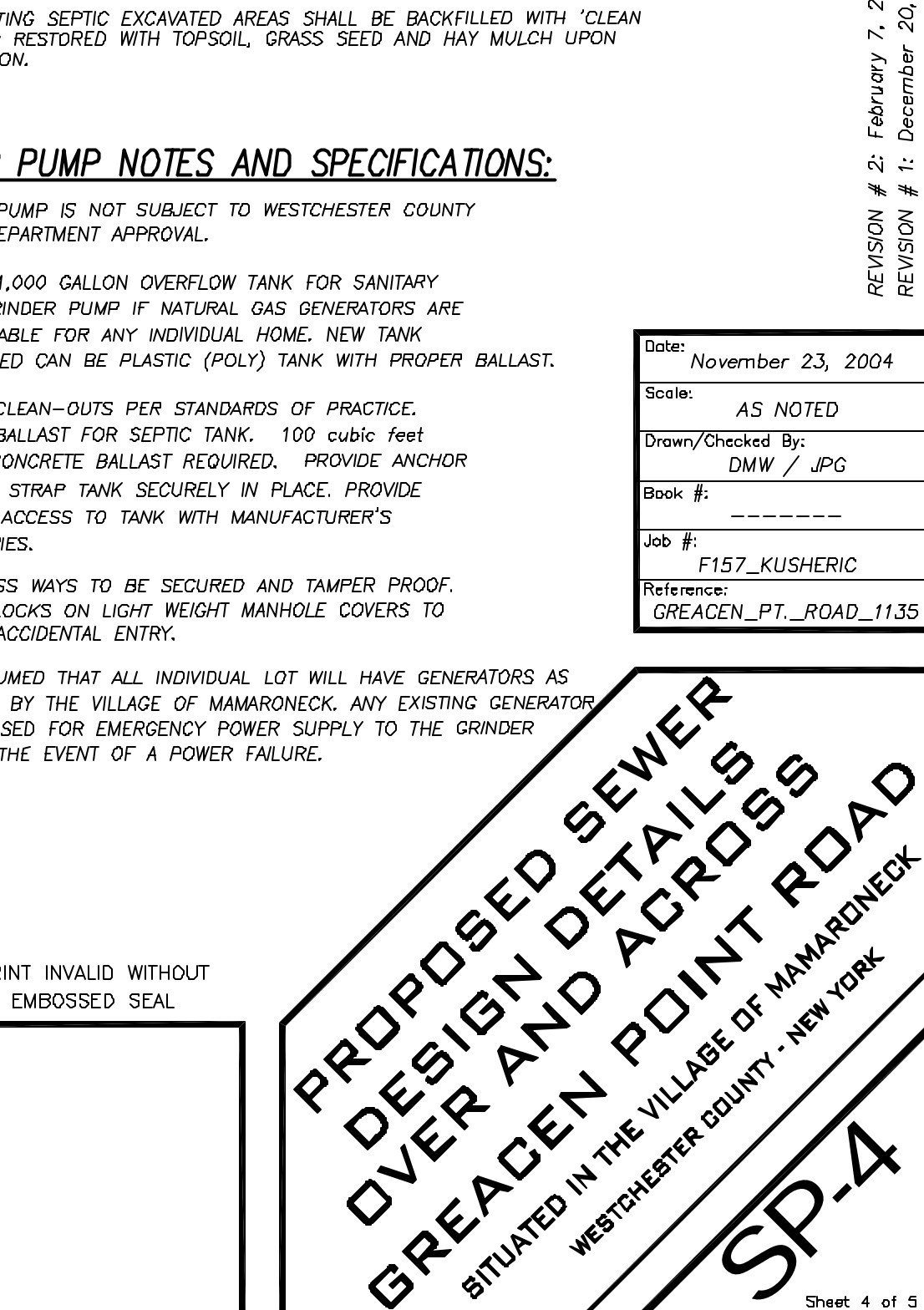
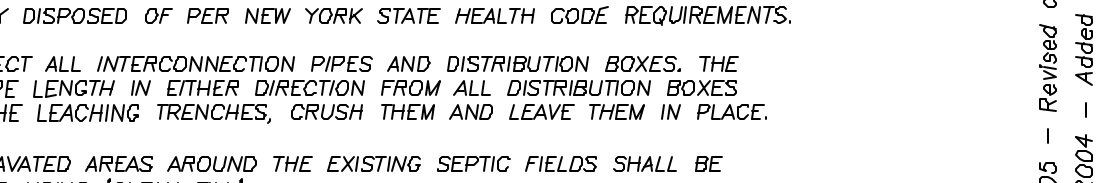
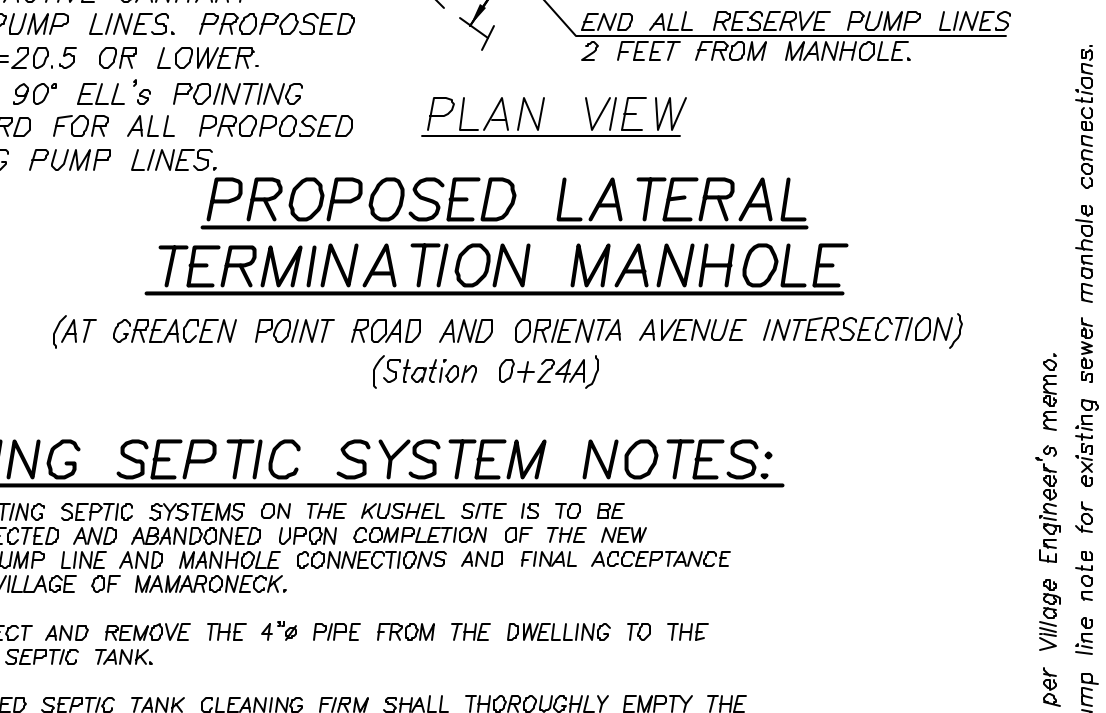
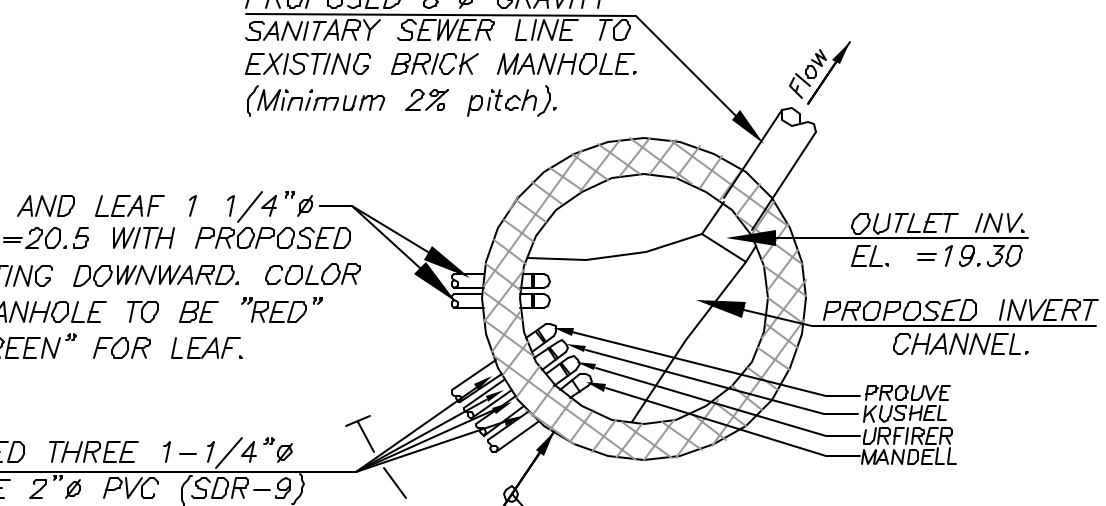
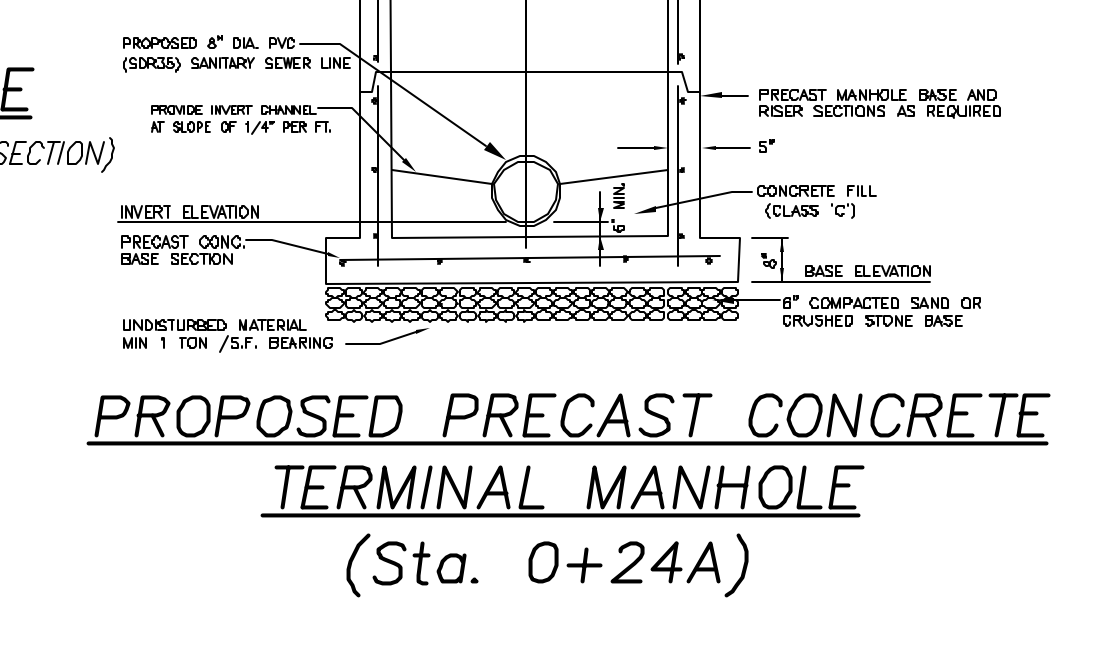
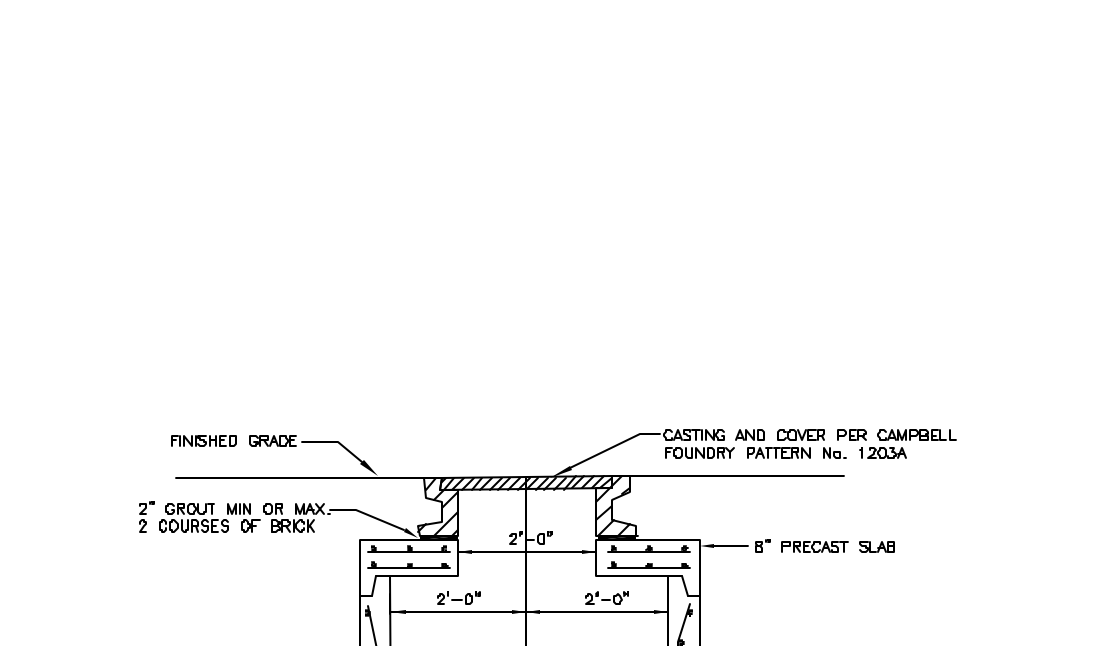
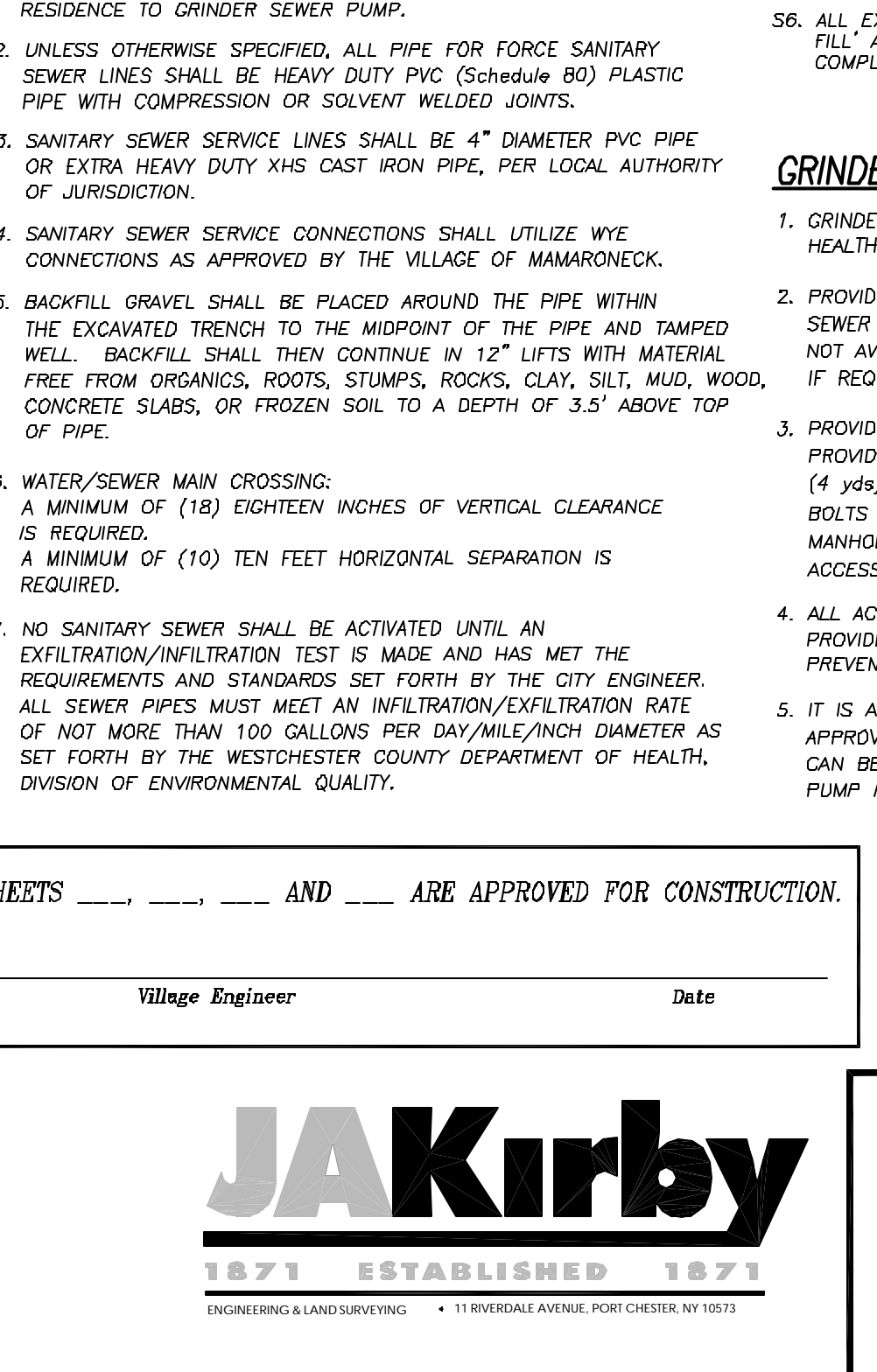
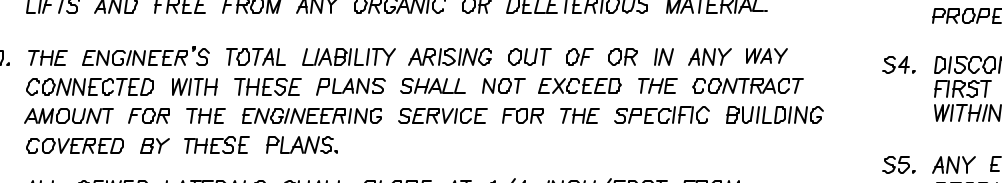
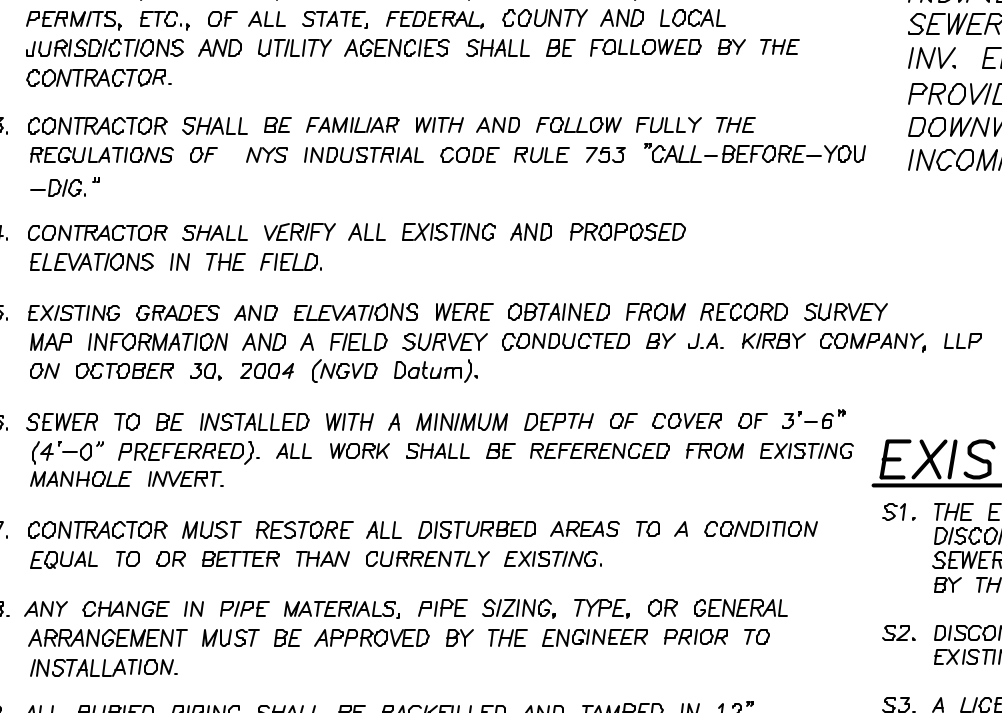
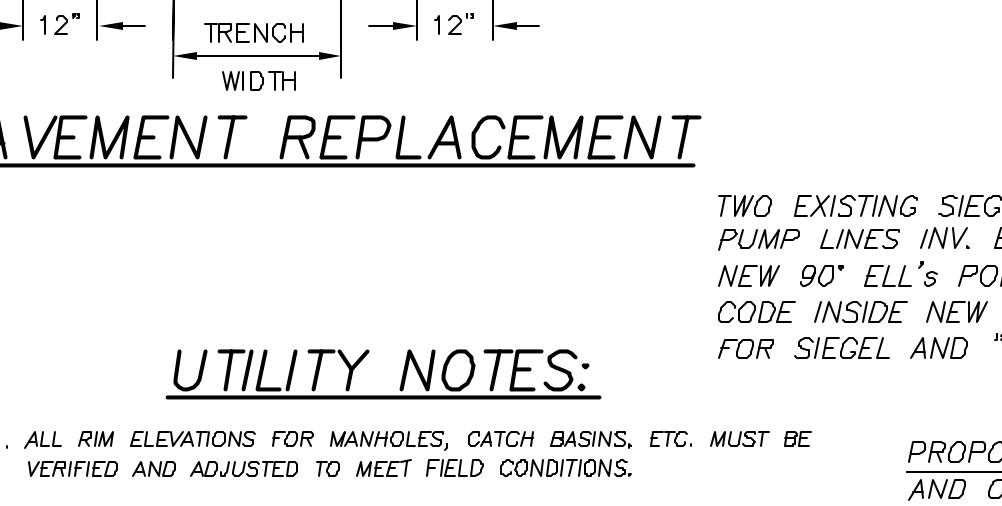
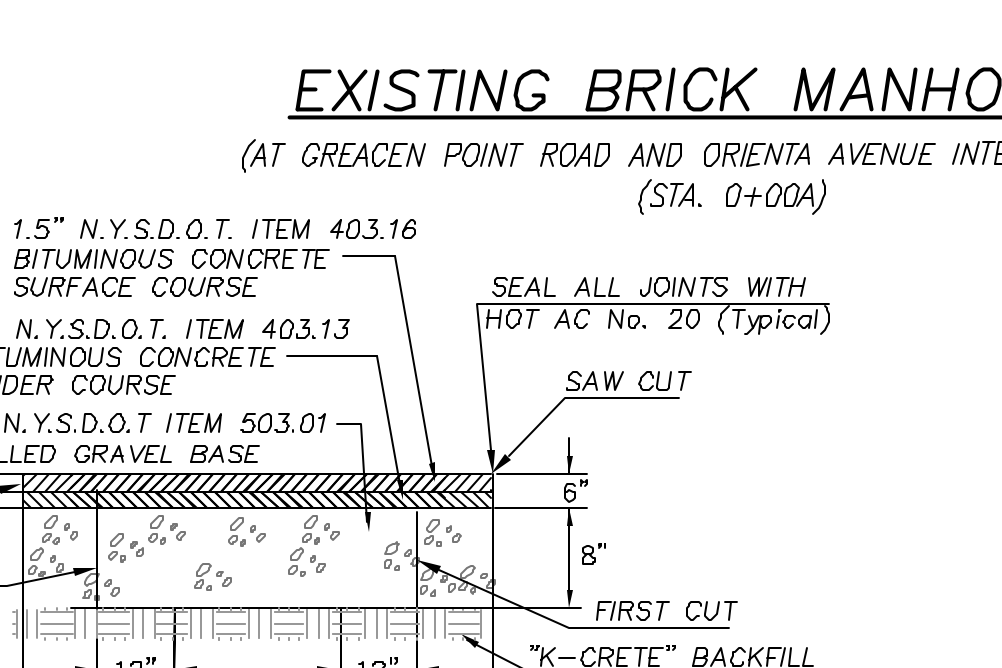
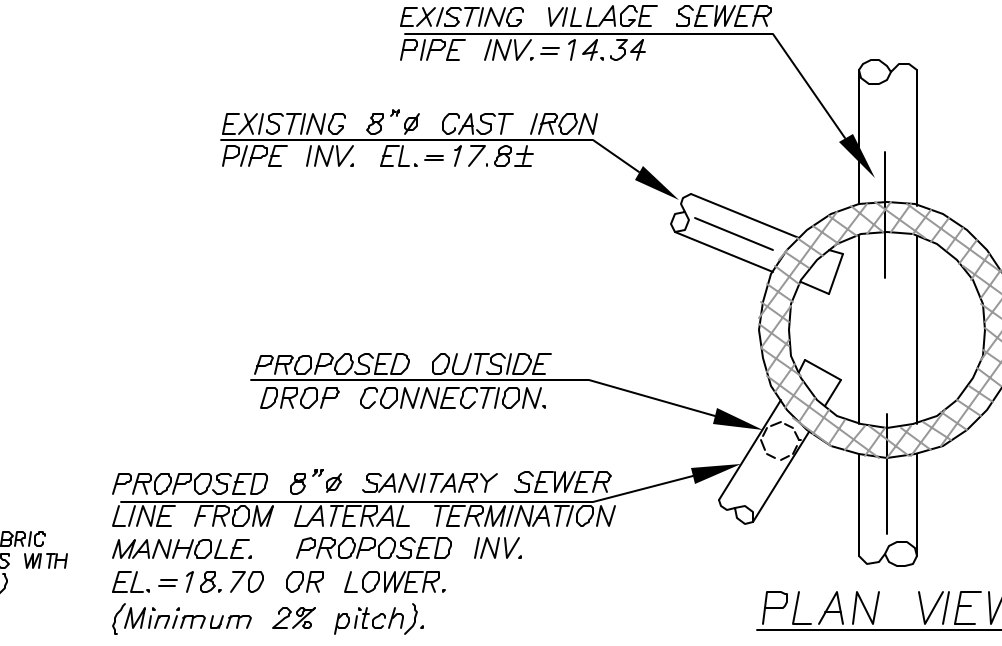
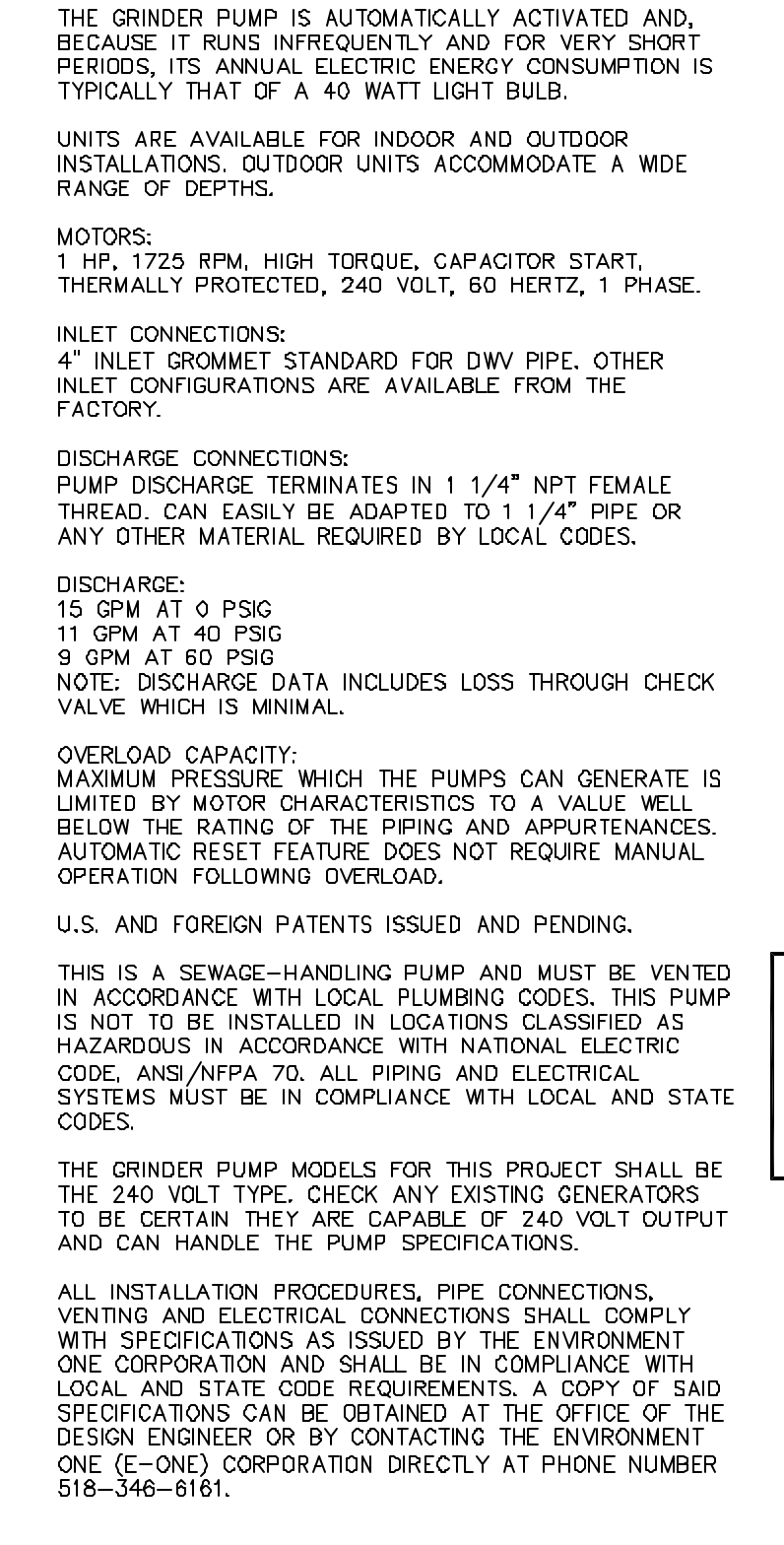
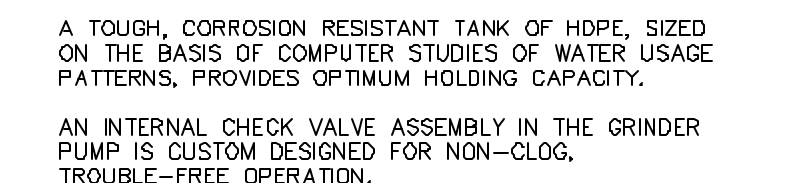
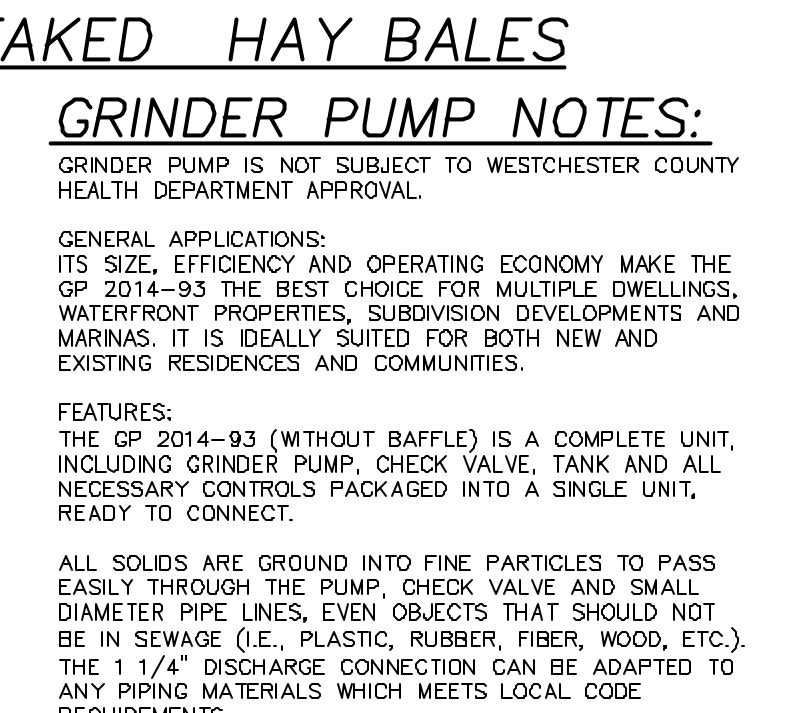
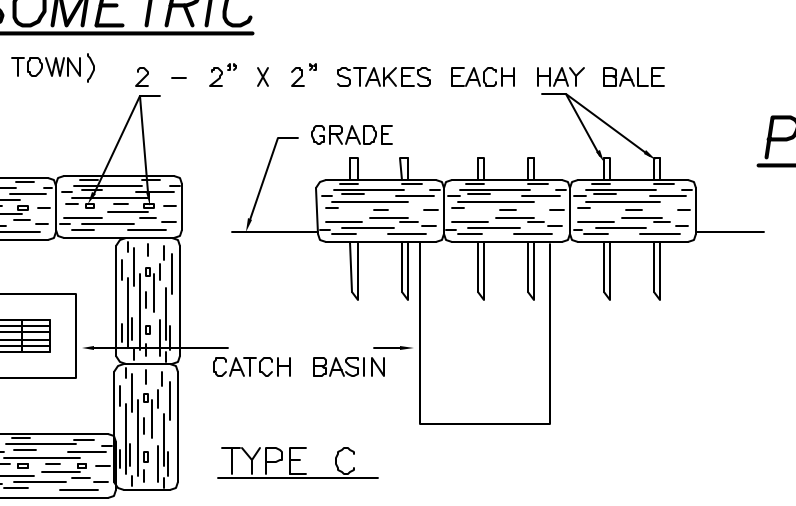
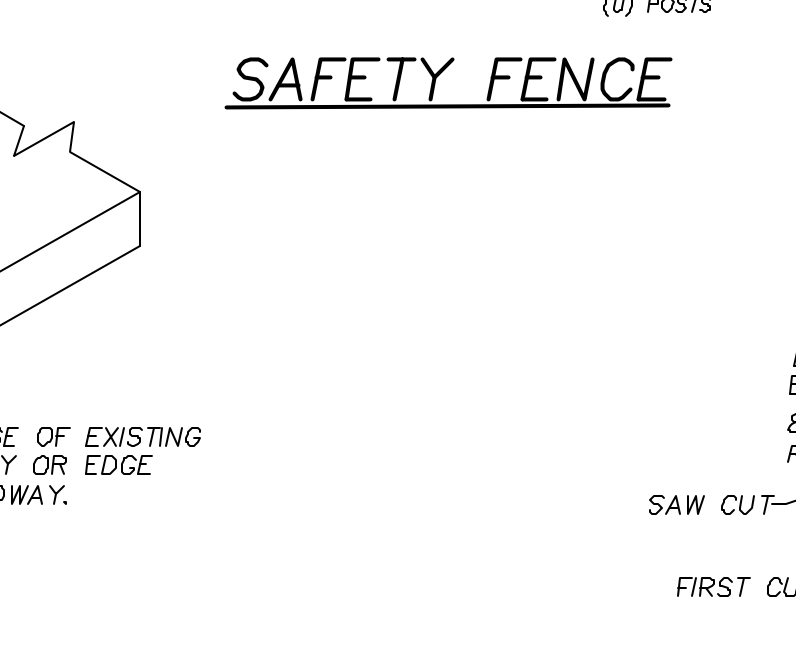
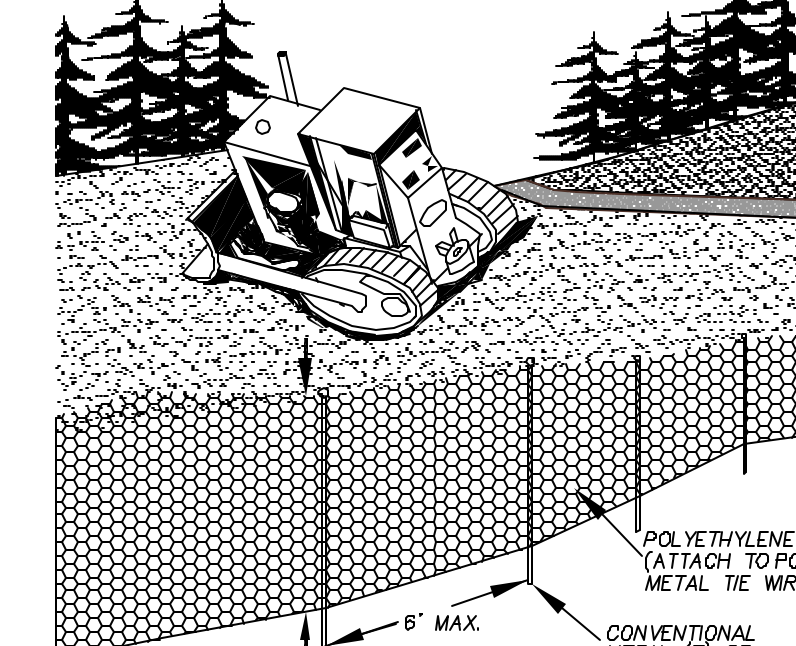
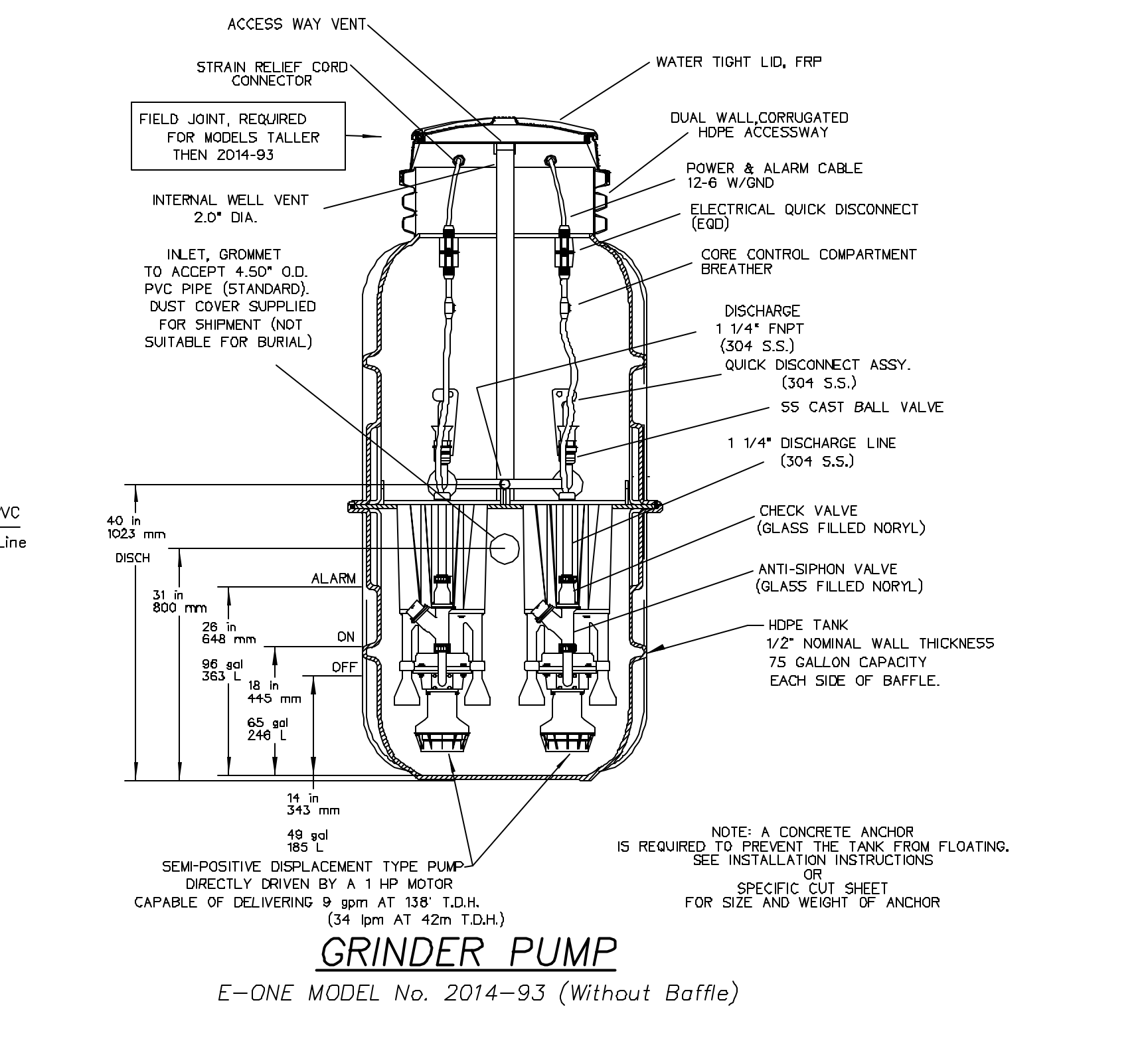
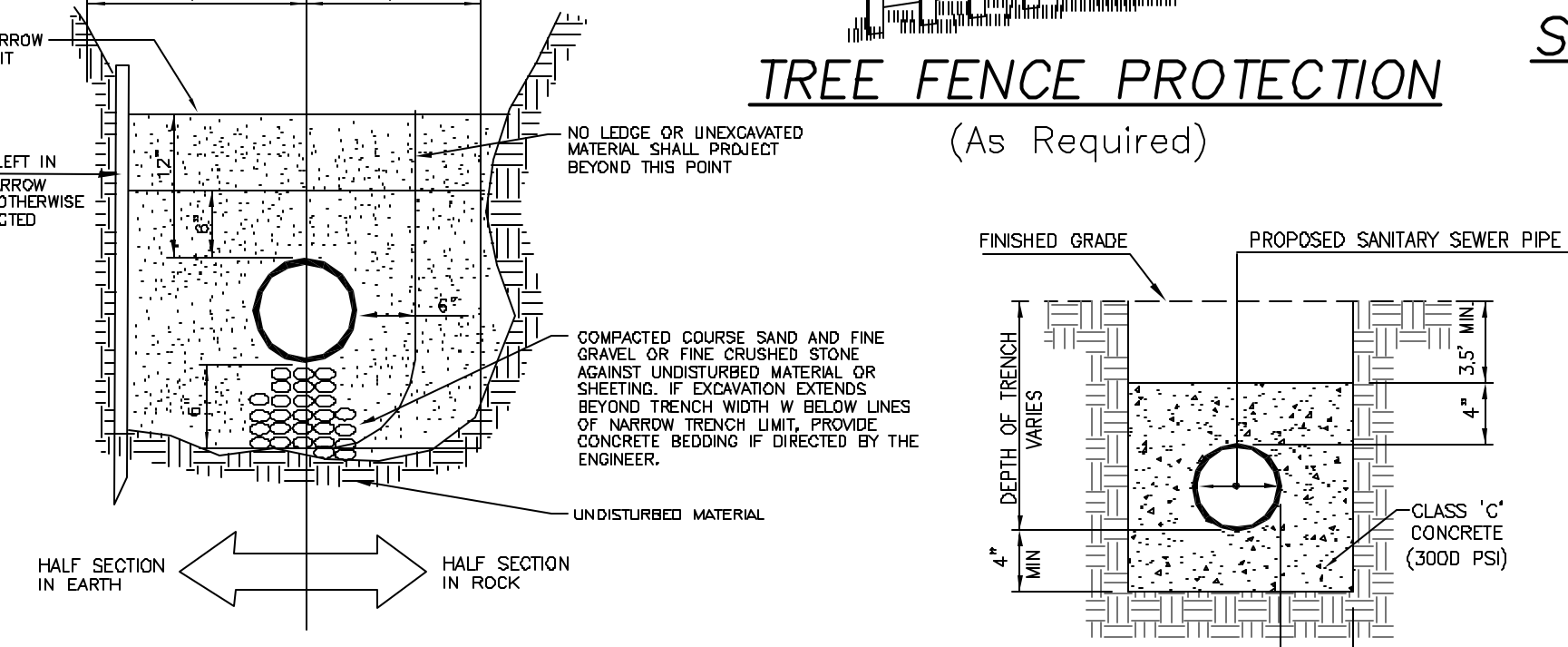
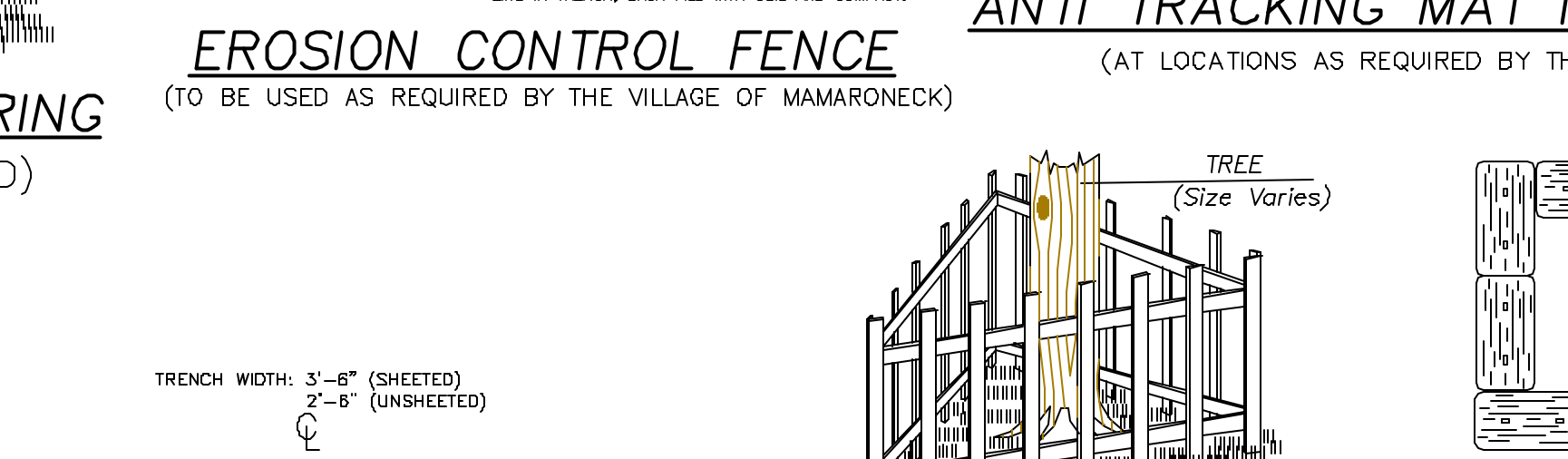
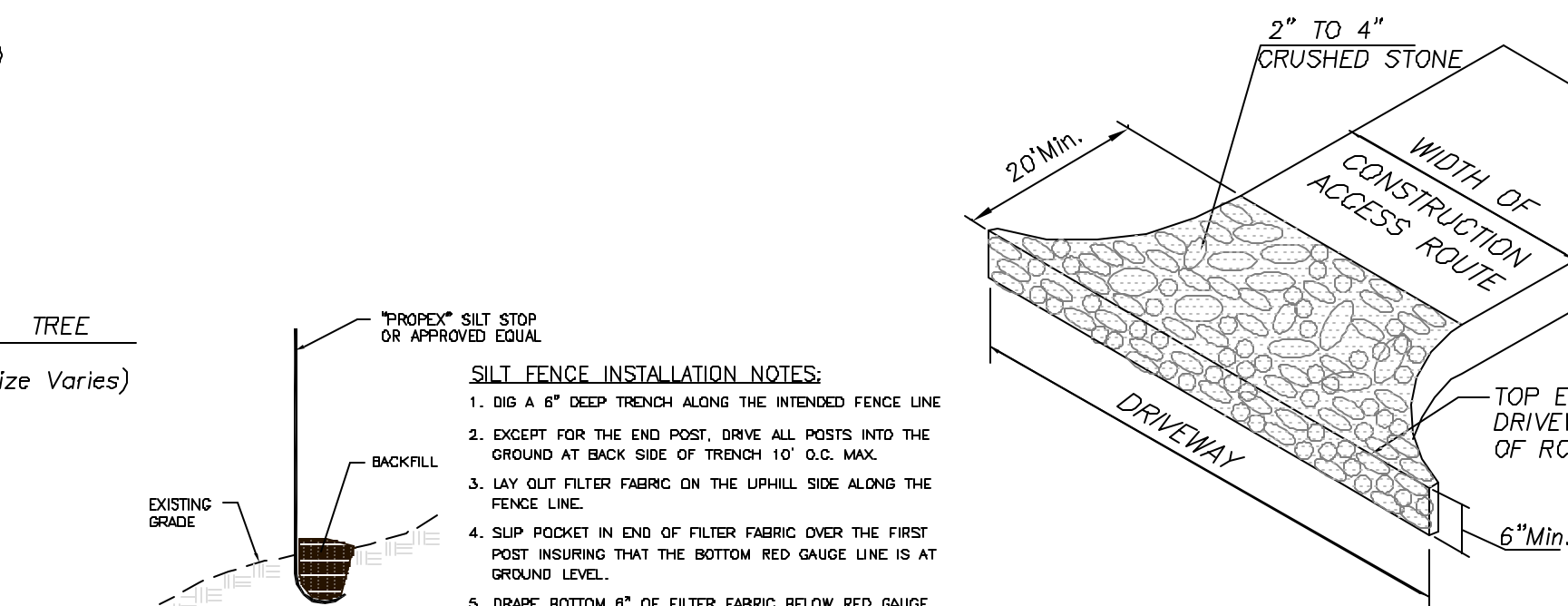




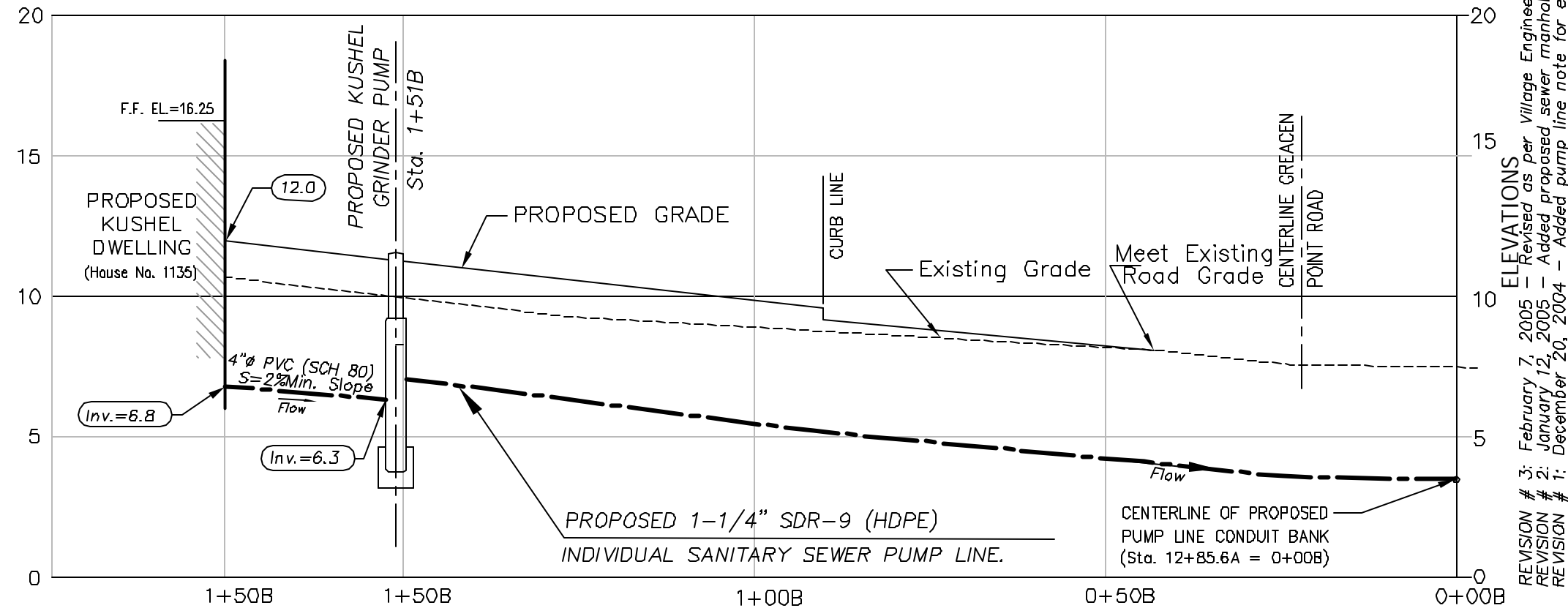
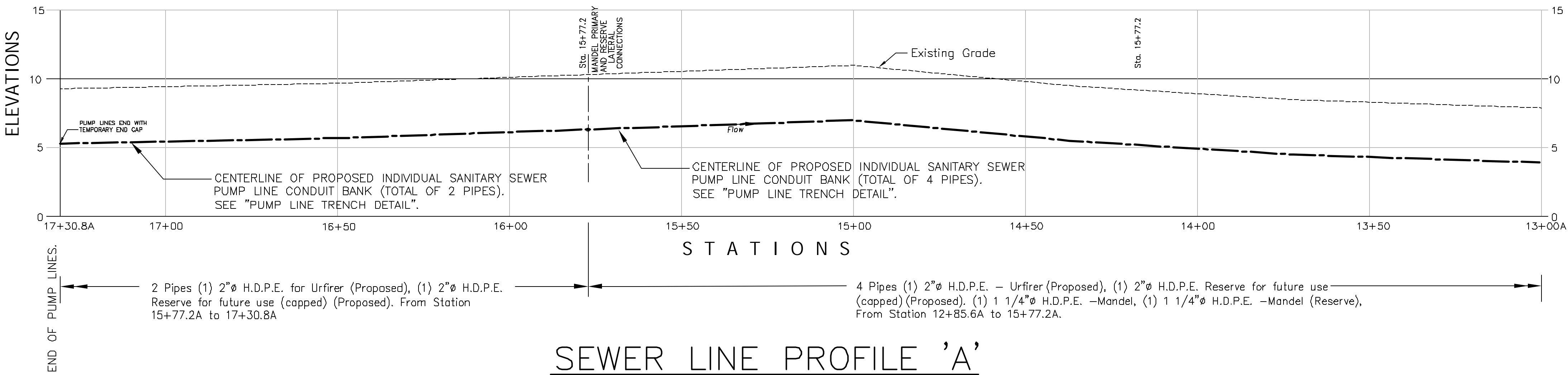
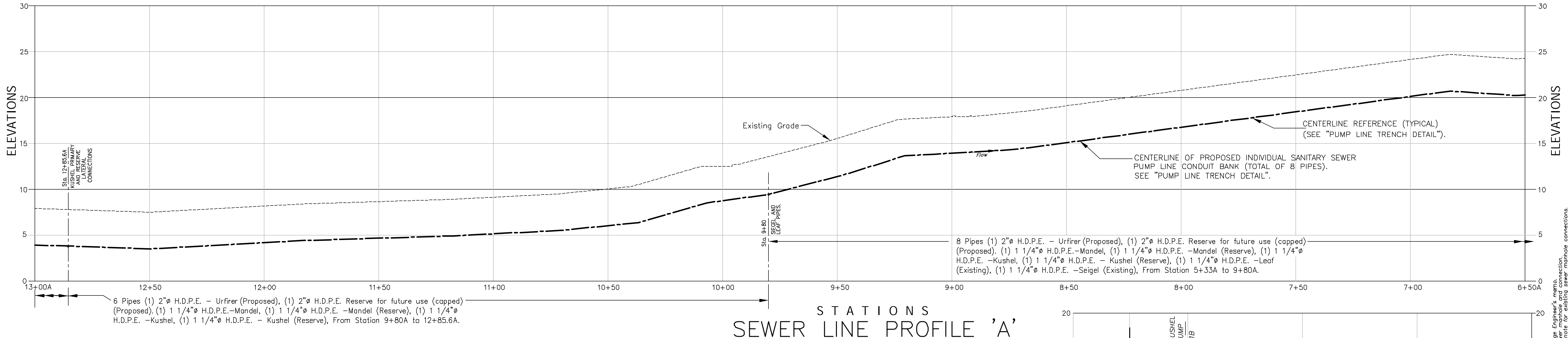
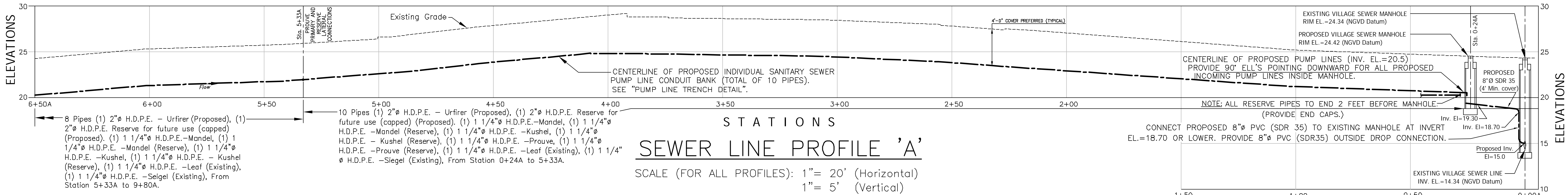
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NOTE: UNLESS OTHERWISE INDICATED ALL DETAILS ARE NOT TO SCALE.

STATIONS	DESCRIPTION OF PIPES IN TRENCH
0+244 to 5+33A	10 Pipes-- (1) 2" H.D.P.E. - Urfrir (Proposed), (1) 2" H.D.P.E. Reserve for future use (capped) (Proposed). (1) 1 1/4" H.D.P.E. -Mandel, (1) 1 1/4" H.D.P.E. -Mandel (Reserve), (1) 1 1/4" H.D.P.E. -Kushel, (1) 1 1/4" H.D.P.E. -Kushel (Reserve), (1) 1 1/4" H.D.P.E. -Prouve, (1) 1 1/4" H.D.P.E. -Prouve (Reserve), (1) 1 1/4" H.D.P.E. -Leaf (Existing), (1) 1 1/4" H.D.P.E. -Siegel (Existing).
5+33A to 9+80A	8 Pipes-- (1) 2" H.D.P.E. - Urfrir (Proposed), (1) 2" H.D.P.E. Reserve for future use (capped) (Proposed). (1) 1 1/4" H.D.P.E. -Mandel, (1) 1 1/4" H.D.P.E. -Mandel (Reserve), (1) 1 1/4" H.D.P.E. -Kushel, (1) 1 1/4" H.D.P.E. -Kushel (Reserve), (1) 1 1/4" H.D.P.E. -Leaf (Existing), (1) 1 1/4" H.D.P.E. -Siegel (Existing).
9+80A to 12+85.6A	6 Pipes (1) 2" H.D.P.E. - Urfrir (Proposed), (1) 2" H.D.P.E. Reserve for future use (capped) (Proposed). (1) 1 1/4" H.D.P.E. -Mandel, (1) 1 1/4" H.D.P.E. -Mandel (Reserve), (1) 1 1/4" H.D.P.E. -Kushel, (1) 1 1/4" H.D.P.E. -Kushel (Reserve).
12+85.6 - 15+77.2	4 Pipes (1) 2" H.D.P.E. - Urfrir (Proposed), (1) 2" H.D.P.E. Reserve for future use (capped) (Proposed). (1) 1 1/4" H.D.P.E. -Mandel, (1) 1 1/4" H.D.P.E. -Mandel (Reserve).
15+77.2 - 17+30.8	2 Pipes (1) 2" H.D.P.E. for Urfrir (Proposed), (1) 2" H.D.P.E. Reserve for future use (capped) (Proposed).







Date:	November 23, 2004
Scale:	AS NOTED
Drawn/Checked By:	DMW / JPG
Book #:	
Job #:	F157_KUSHEL_RICHARD
Reference:	GREACEN_PT_ROAD_1135

SHEETS \_\_\_\_\_ AND \_\_\_\_\_ ARE APPROVED FOR CONSTRUCTION.

Village Engineer \_\_\_\_\_ Date \_\_\_\_\_

PRINT INVALID WITHOUT EMBOSSED SEAL.

PROPOSED SEWER DESIGN PROFILE OVER AND ACROSS GREACEN POINT ROAD  
SITUATED IN THE VILLAGE OF MMARONECK  
WESTCHESTER COUNTY - NEW YORK  
SP-5

February 7, 2005 - Revised as per Village Engineer's memo.  
January 12, 2005 - Added proposed sewer manhole and connection.  
December 20, 2004 - Added pump line trace for existing sewer manhole connections.