

GENERAL NOTES:

- Contractor will be required to provide notice to utility companies a minimum of seventy-two (72) hours prior to any excavation, as follows:
 Kansas One-Call 687-2470
 The Contractor must notify the following in case of an emergency:
 Cox Communications 262-4270
 Kansas Gas Service 1-888-482-4950
 Westar Energy 363-8650
 Black Hills Energy 1-800-303-0357
 AT&T 268-2245
 City of Wichita Water Dept. 268-4563
 City of Wichita Sewer Maint. 268-4024
 City of Wichita Storm Sewer Maint. 268-4090
 City of Wichita Traffic Maint. 268-4034
 Conoco Phillips Pipeline Co. 1-877-267-2290
 Southern Star Pipeline Co. 529-6600
 Kinder-Morgan Pipeline Co. 1-888-844-5658
 City of Andover Public Works 733-1303
- Utility service lines, poles, valve boxes, meters, and etcetera are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
- Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations, in the opinion of the Engineer, that will leave an unsightly appearance will not be approved. All disposal sites must be approved by the Kansas Department of Health and Environment. Material either stockpiled or disposed of in a flood plain would require a Kansas State Board of Agriculture permit. Any material dumped in waters of the United States or wetlands is subject to U.S. Corps of Engineers permitting regulations. Any material buried or stockpiled beyond approved construction limits would require additional archaeological investigations unless buried in a previously approved borrow location.
- Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.
- The Contractor shall give all property owners and/or tenants of developed property abutting the construction of this project a minimum of ten (10) days notice prior to start of construction.
- The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws.
- All existing and proposed erosion control measures including silt fencing, erosion control mat, straw bales, inlet barriers, and const. entrance shall be maintained throughout construction by the contractor and until project is accepted by the City of Wichita. The on-site engineer shall complete weekly reports on the status of erosion control measures. The contractor shall be required to comply with maintenance and/or replacement of erosion control measures as determined by the on-site engineer until project is accepted by City of Wichita. Maintenance and/or replacement of erosion control measures to be paid by L.S. bid item "Site Restoration".
- All excess excavation shall remain on-site and shall be stockpiled or spread at a location determined by the engineer.
- The Contractor shall adjust water valve boxes and fire hydrants as directed by the Engineer at the price bid for said adjustments. The Water Department shall field locate water valves one time during construction when requested by Contractor. It shall be the Contractor's responsibility to preserve such field locations during the construction process. Water valves, water valve boxes or fire hydrants damaged during construction shall be repaired by the Contractor at his own expense.
- All water mains and appurtenances shall be installed in accordance with City of Wichita, Kansas Standard Specifications for Water Main Installations No. 14533.
- Opening and closing of water valves shall be done slowly to prevent damage to the water distributions system from water hammer. All valves closed by the contractor must be reopened as new construction permits. Project inspector must ascertain that any valve closed by the Contractor is reopened. Contractor will be permitted to operate water valves only when the project inspector assigned to the project is present.
- All areas disturbed during construction shall be seeded, mulched, and fertilized as follows (Permanent Seeding):
 Seed: Kansas Premium Fescue Blend: 8 lbs./1000 sq. ft.
 Mulch: Prairie Hay: 2 tons/acre
 Fertilizer: 12-24-12: 850 lbs./acre
 All costs associated with seeding, mulching, and fertilizing shall be included in bid item "Seeding". All seeding operations shall conform to City of Wichita Standard Specifications.

WATER DISTRIBUTION SYSTEM to serve

LOT 1, BLOCK 2, MARKET PLACE 3RD ADDITION ANDOVER, KANSAS

PRIVATE PROJECT NUMBER - 1730 PPW (607853)
CITY OF WICHITA, KANSAS

Gary Janzen, P.E. City Engineer

American Darling Hydrants and Valves

AS BUILT PLANS

Contractor: Nowak
Inspector: Fred Smith
pdf's by: KEK, 7/31/13

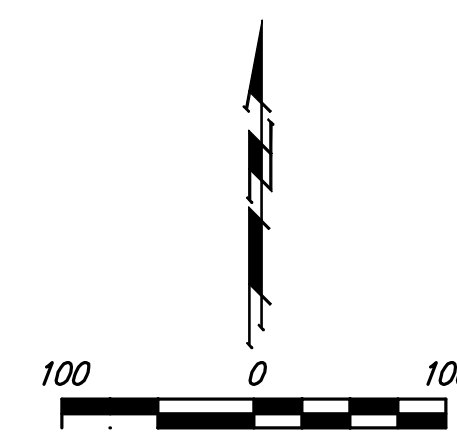
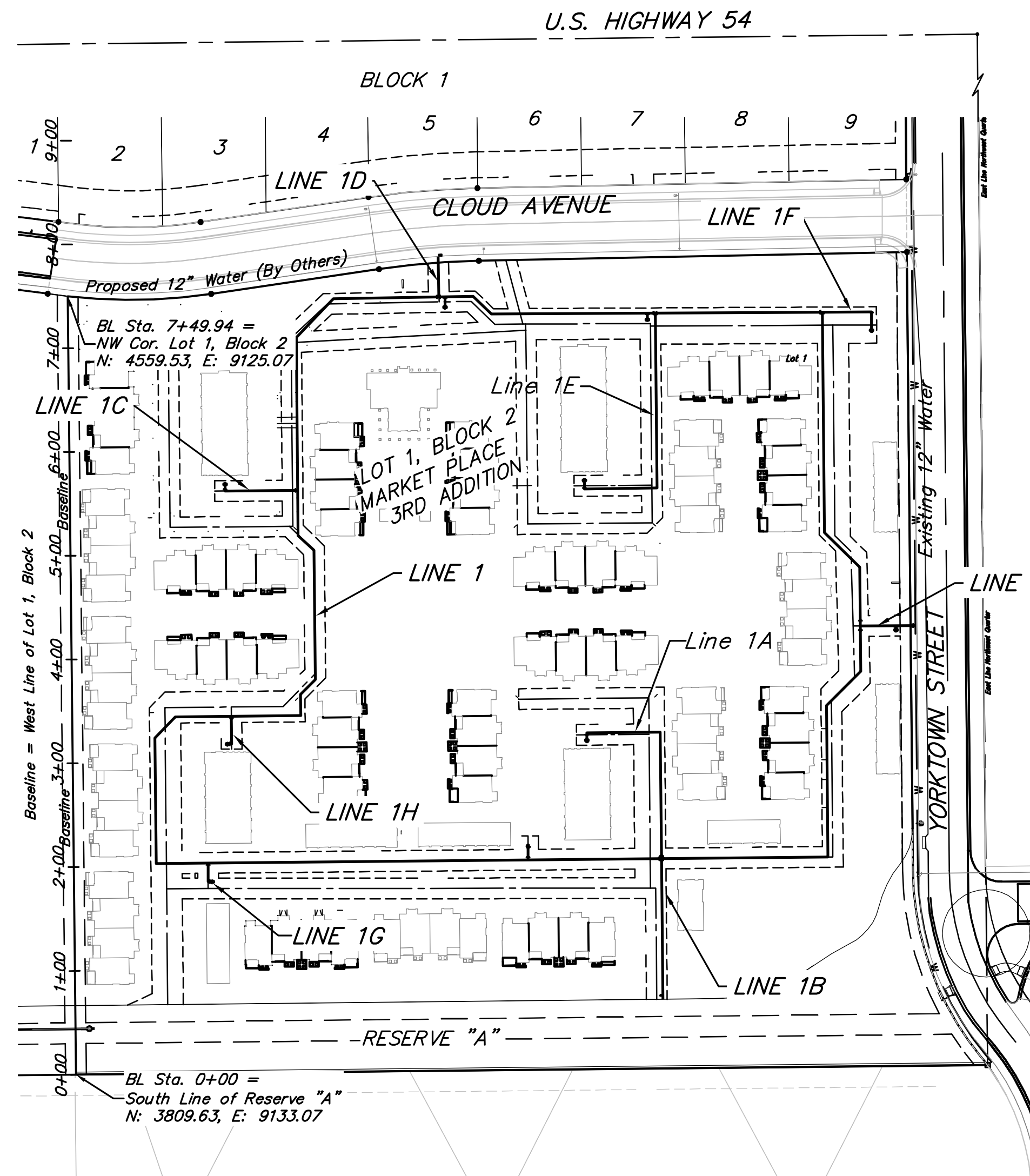
Benchmarks

BM#1: "X" chiseled on top of curb, south side of Cloud Avenue, 980' west of Yorktown Street.
Elev. = 1312.64 (NAVD88)

BM#2: "X" chiseled on top of curb, east side of Yorktown Street, 700' south of Cloud Avenue.
Elev. = 1329.46 (NAVD88)

Sheet Index

Title Sheet	1
Standard Water Detail	2
Miscellaneous Water Detail	3
Line 1, 1G, & 1H	4-8
Lines 1A & 1B	9
Lines 1C & 1D	10
Lines 1E & 1F	11
Copy of Plat	12



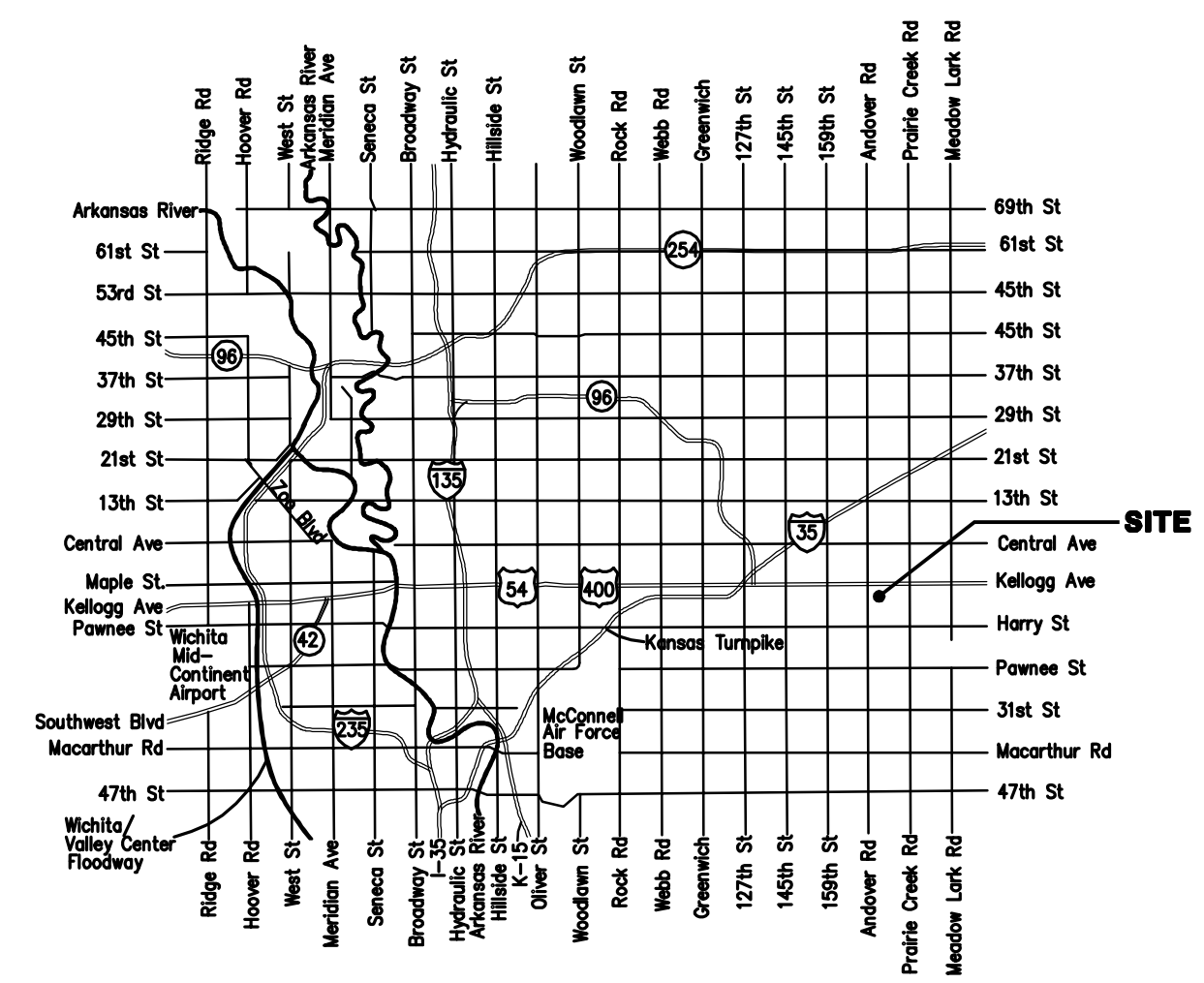
APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA,
BY WICHITA WATER & SEWER DEPARTMENT

Public Works *Julianne Kellman 4-17-13*
Water & Sewer *Greg Jelle 4-17-13*

NOTE TO CONTRACTORS

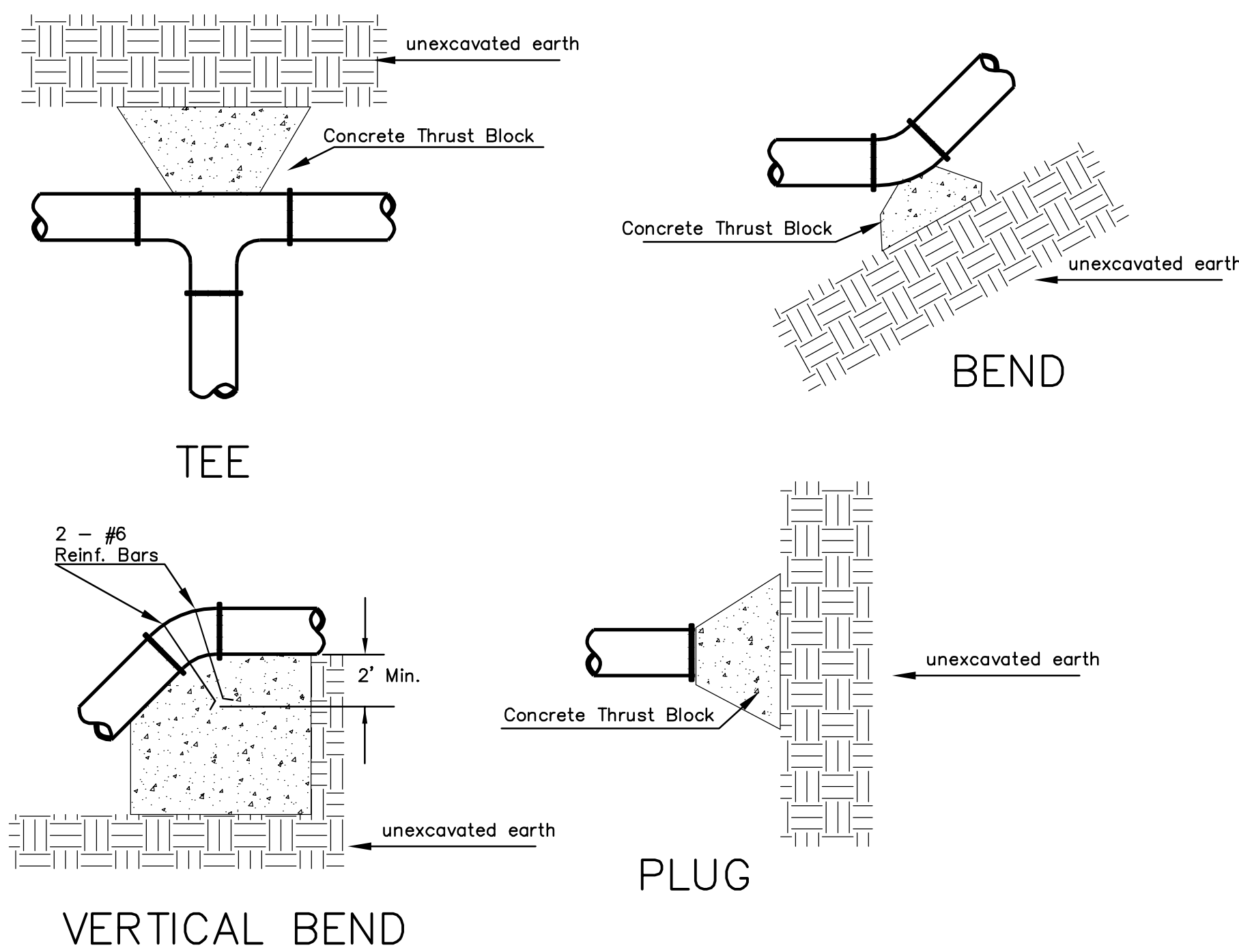
Public Property:
Inspection and testing for the waterline is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Professional Engineer Licensed in the state of Kansas. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection nor shall any work be commenced without written authorization by the City of Wichita. All construction and materials shall comply with the City or Wichita Specifications and Standards (on file and available in the City Engineer's Office).

Private Property:
Installation and testing for the fire protection line is to be performed by a City of Wichita licensed fire protection contractor in accordance with the fire codes as adopted by the City of Wichita. All material and construction practices for the fire protection line shall comply with the fire codes as adopted by the City of Wichita (available from the City of Wichita Fire Department). The Contractor shall not commence work without notification and approval of the Wichita Fire Department. Inspection of the fire protection line is to be provided by a licensed Engineering Firm under contract with the Owner/Developer and the Fire Department. The contractor shall not start work until the project inspector is assigned to the project and present on the site. Any work done without inspection will be required to be uncovered for inspection.



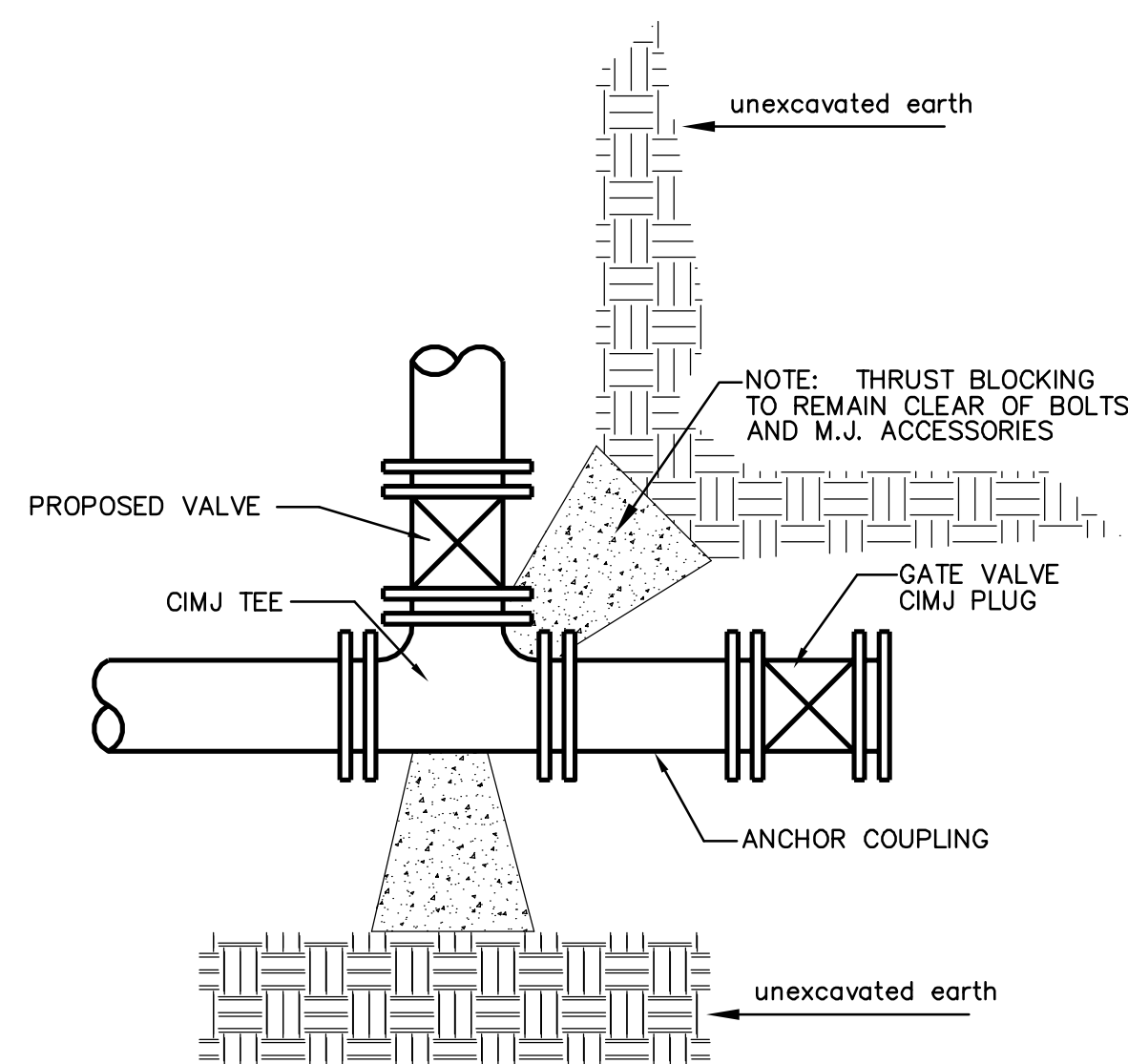
Vicinity Map

Baughman
Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE



PIPE SIZE	THRUST AT FITTINGS IN TONS--AT 150#/IN ² P					
	PLUG	90°	45°	22 1/2°	11 1/4°	TEE
6"	2.8	3.95	2.15	1.09	.55	2.8
8"	4.9	6.95	3.75	1.90	.96	4.9
12"	11.4	16.1	8.75	4.45	2.25	11.4
16"	20.15	28.5	15.4	7.85	3.95	20.15
20"	31.15	44.0	23.85	12.15	6.10	31.15
24"	44.55	63.0	34.1	17.4	8.75	44.55

TYPICAL THRUST BLOCKS

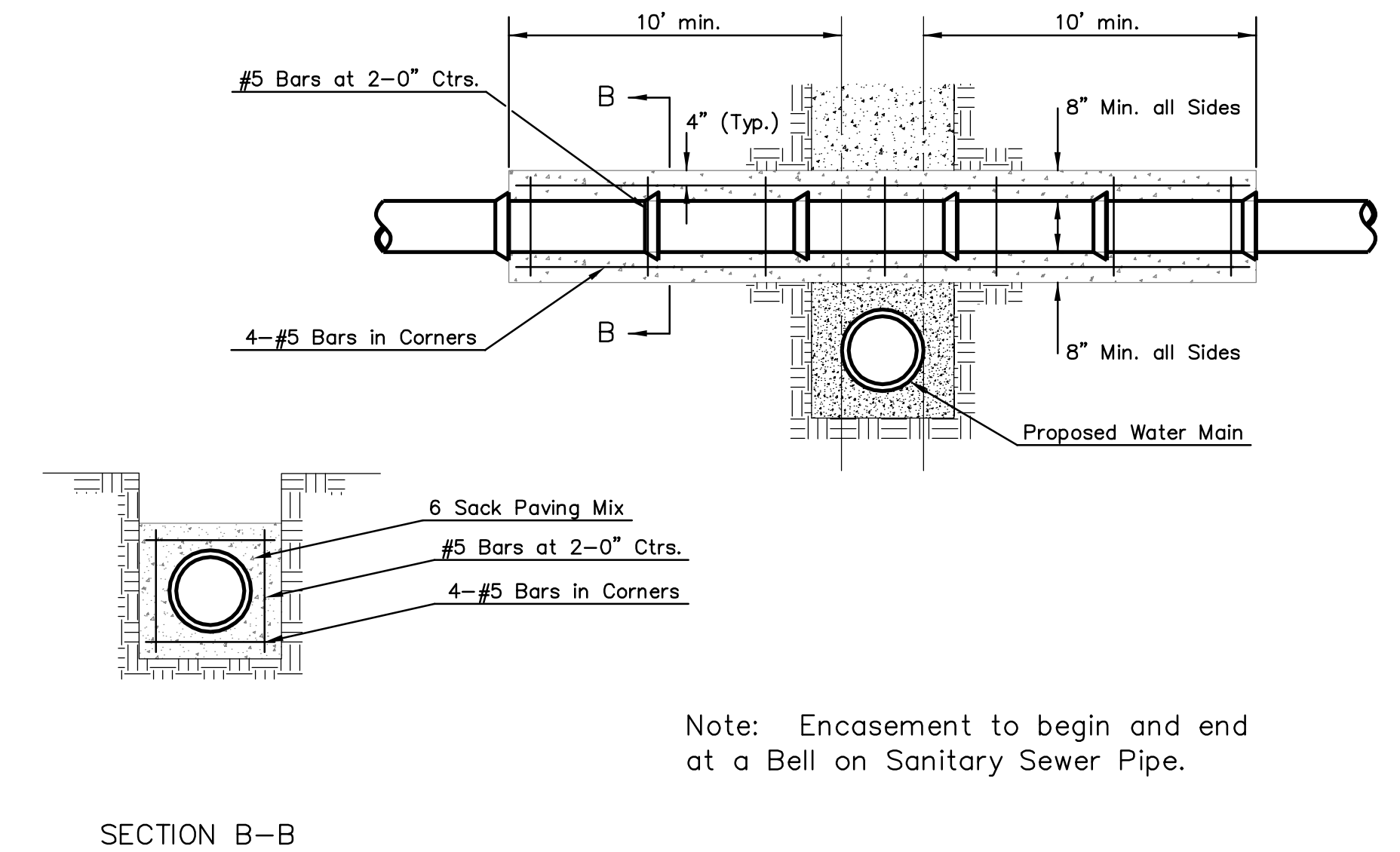
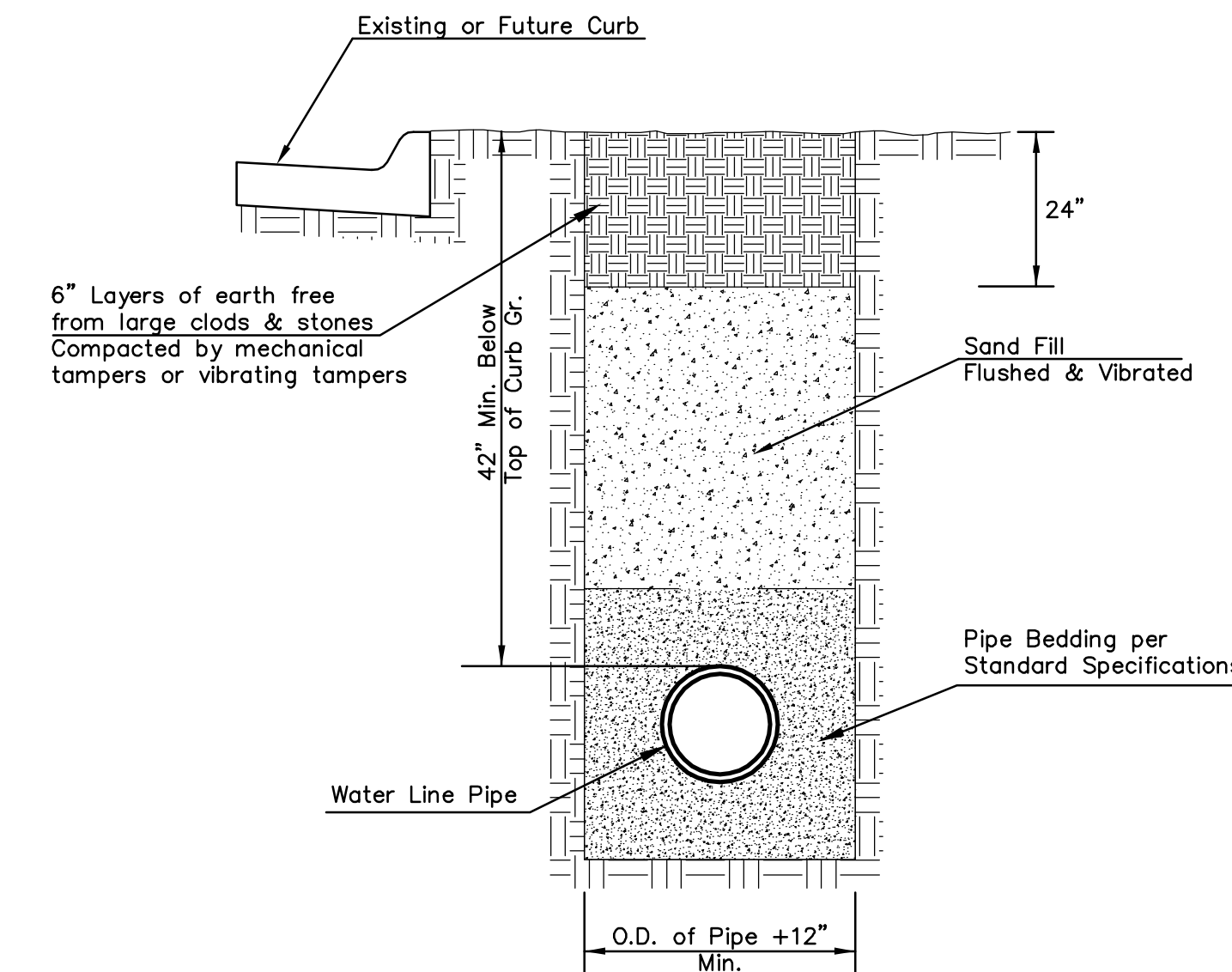


KEY BLOCK DETAIL

TRENCH COMPACTION IN ROAD RIGHT-OF-WAY

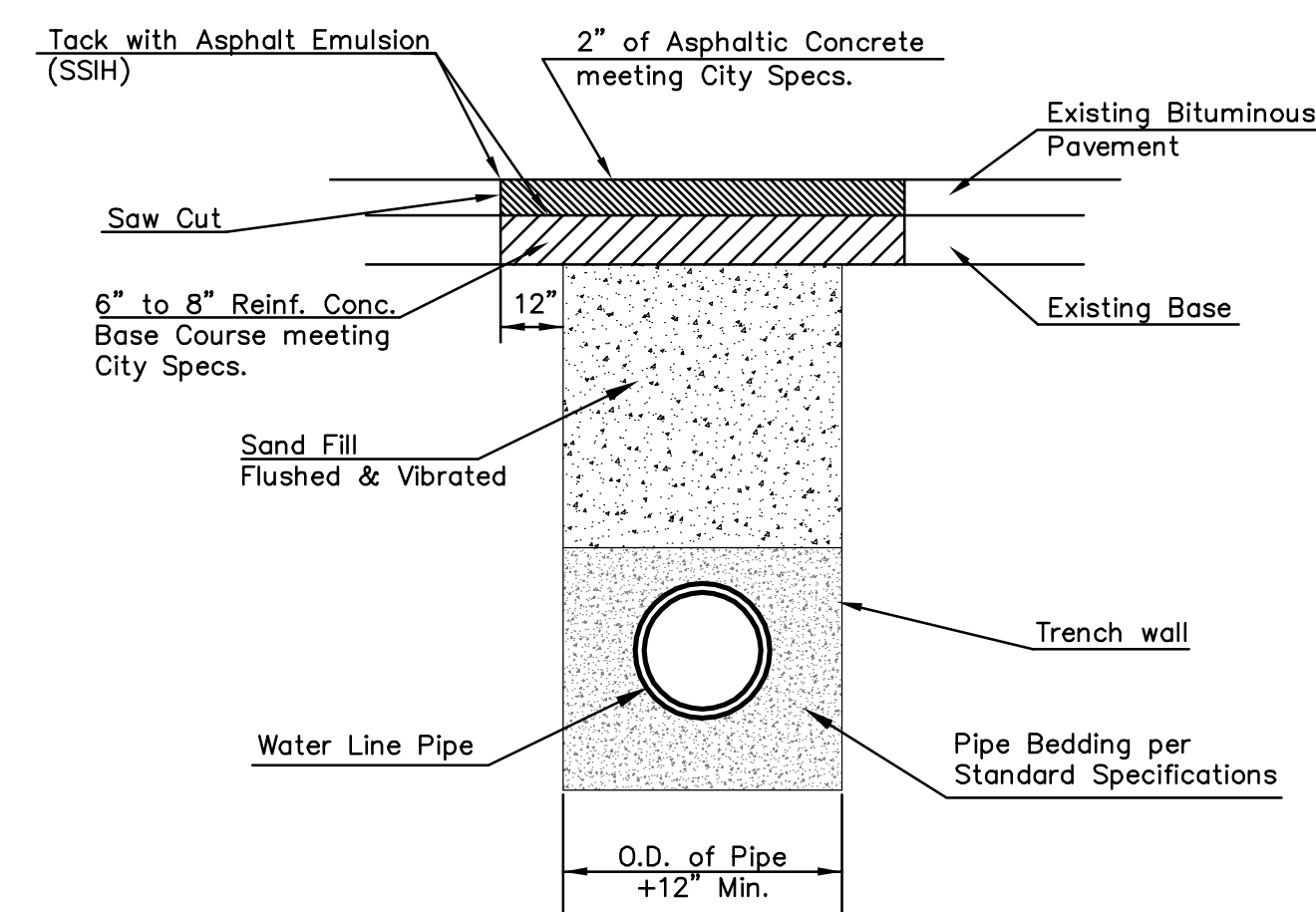
PAVEMENT REPLACEMENT & TRENCH COMPACTION UNDER EXISTING AND PROPOSED CITY ROADS

* UNLESS OTHERWISE NOTED ON PLANS



REINFORCED CONCRETE ENCASEMENT OF SANITARY SEWER

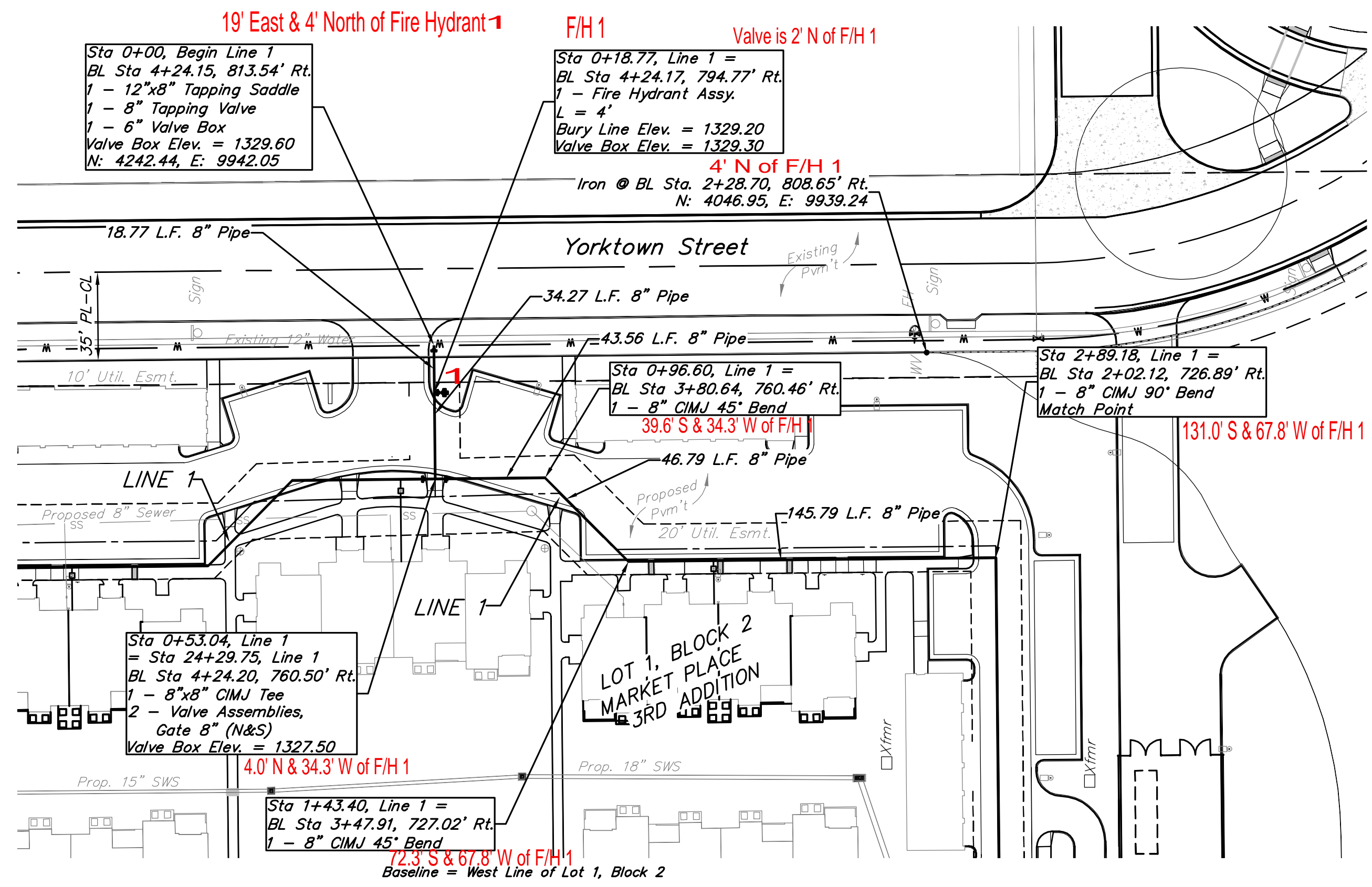
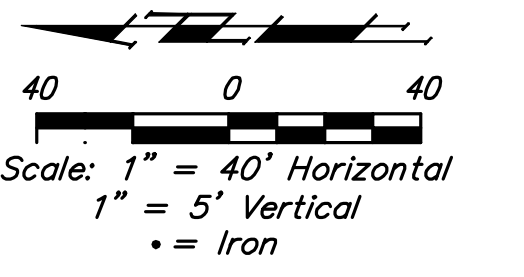
Note: Encasement to begin and end at a Bell on Sanitary Sewer Pipe.



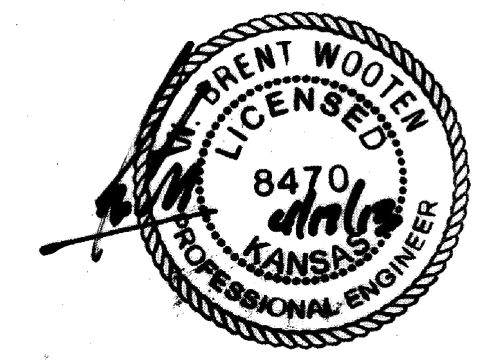
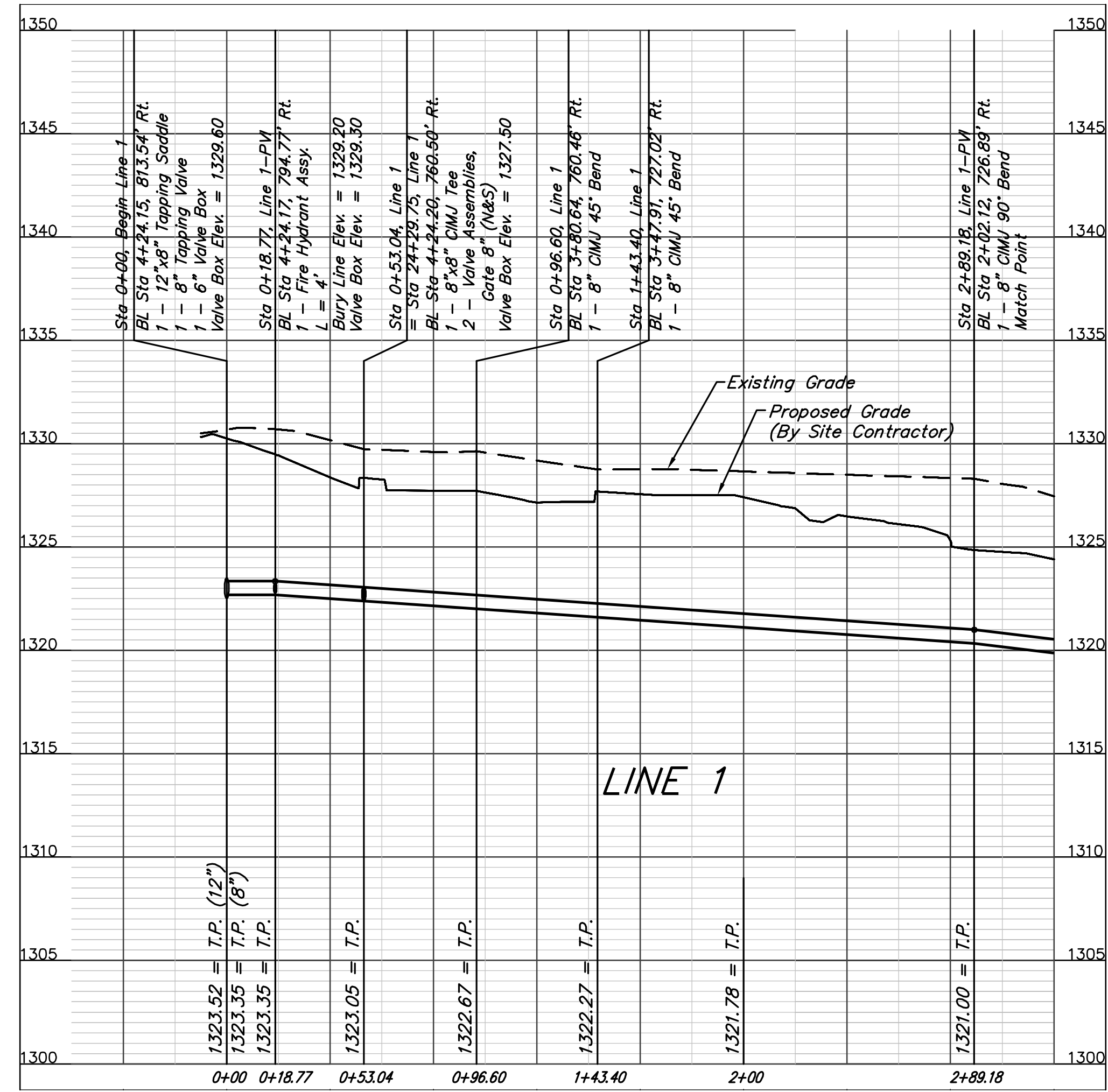
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MISCELLANEOUS WATER DETAILS	
CITY ENGINEER JAMES L. ARMOUR, P.E., L.S.	
PRIVATE PROJECT NUMBER 1730 PPW (607853)	DATE 4/17/13
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501	
SHEET 3 of 12	

BENCHMARKS:
 BM#1: "X" chiseled on top of curb, south side of Cloud Avenue, 980' west of Yorktown Street.
 Elev. = 1312.64 (NAVD88)
 BM#2: "X" chiseled on top of curb, east side of Yorktown Street, 700' south of Cloud Avenue.
 Elev. = 1329.46 (NAVD88)

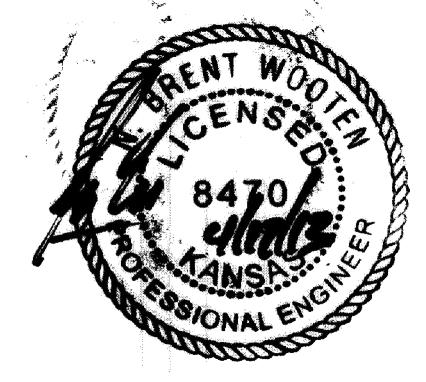
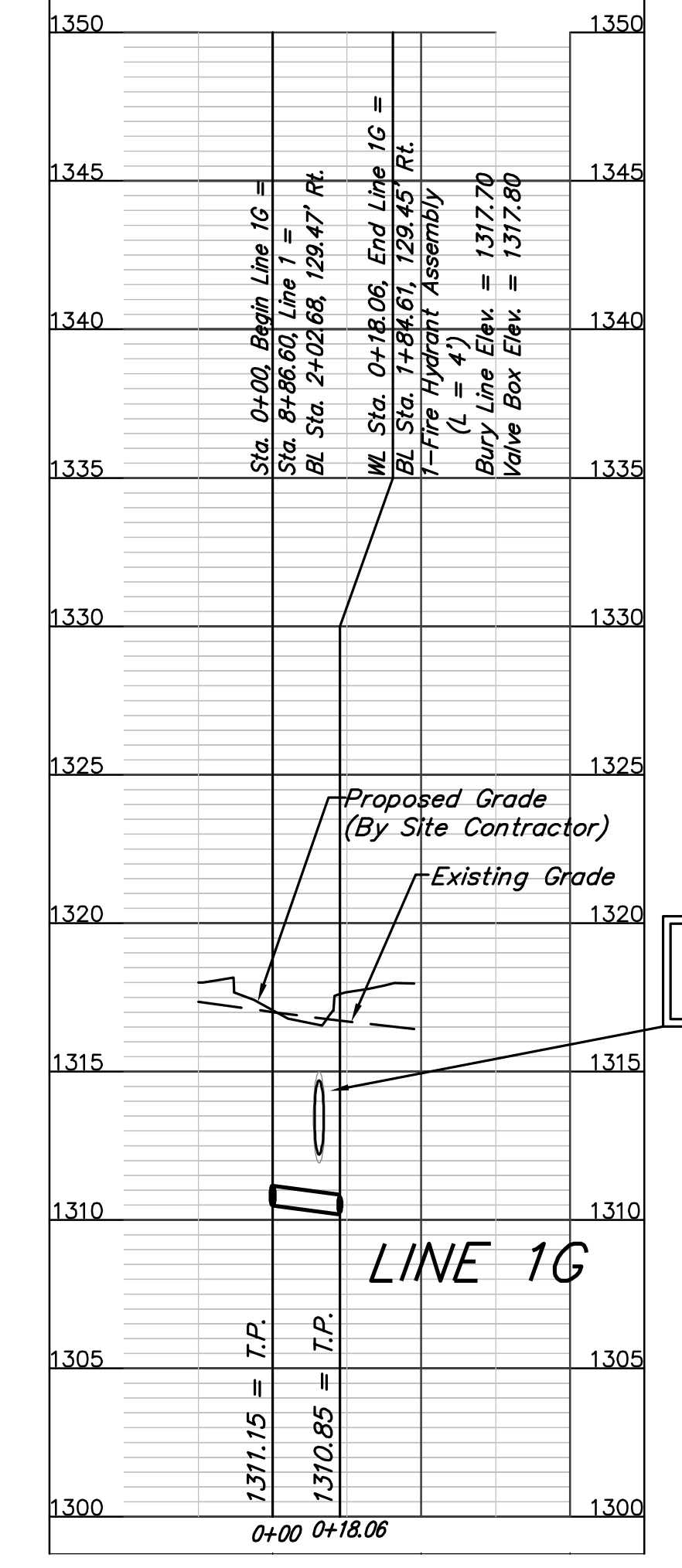
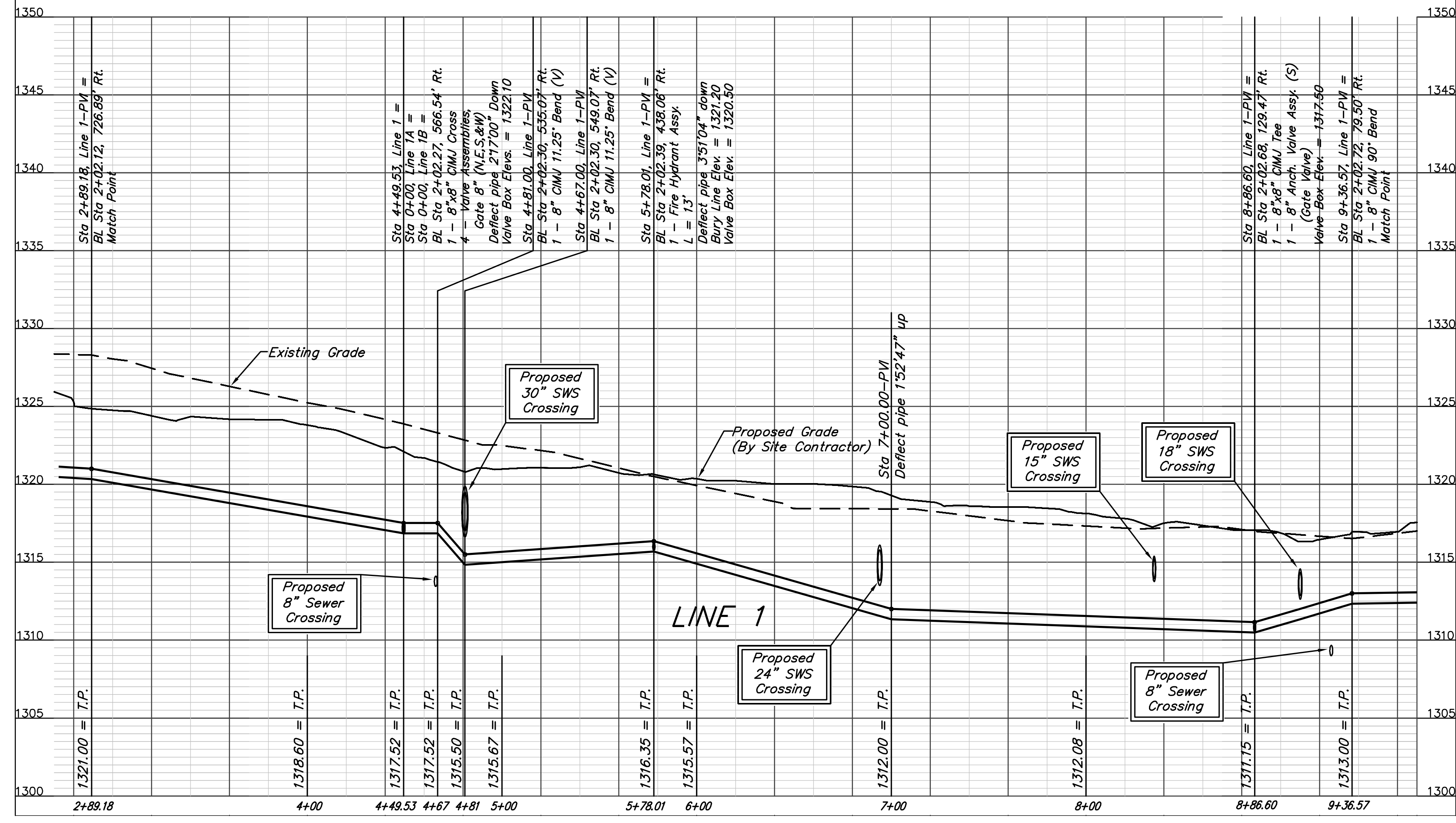
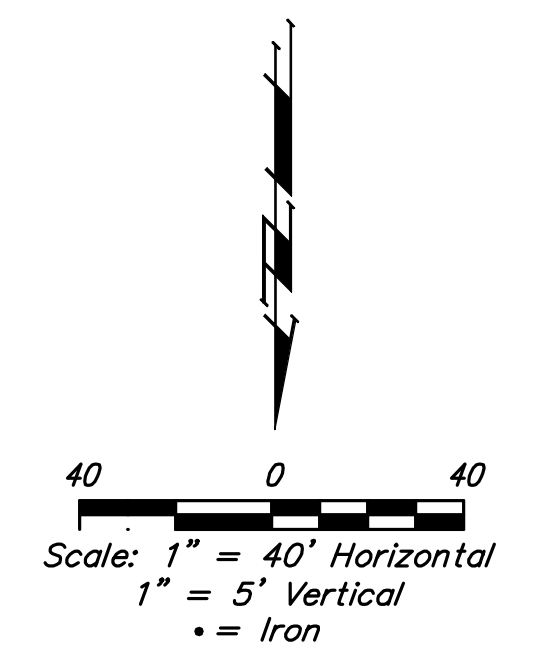
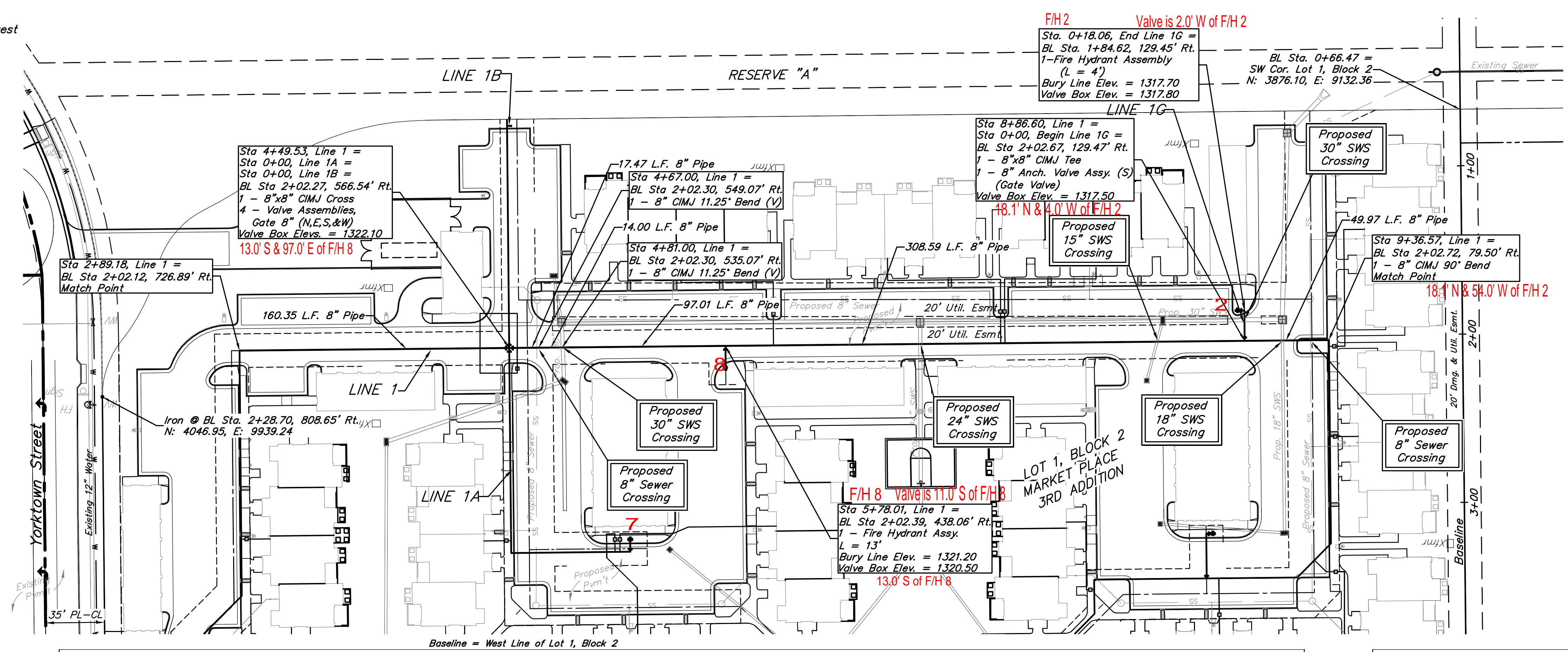


DEPTH UNKNOWN
 Contractor to Verify
 Depth & Location of
 Existing Water Line
 Prior to Construction.



		MARKET PLACE 3RD ADDITION LINE 1 WATER DISTRIBUTION SYSTEM	
		<small>Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7211 F 316-262-0149 ENGINEERING SURVEYING PLANNING LANDSCAPE ARCHITECTURE</small>	
PROJECT NUMBER 1730 PPW (607853)	DESIGN BKB	DRAWN TMS	DATE 4/17/13
REVISIONS:	APPROVED NBW	SCALE Noted	SHEET 4 OF 12

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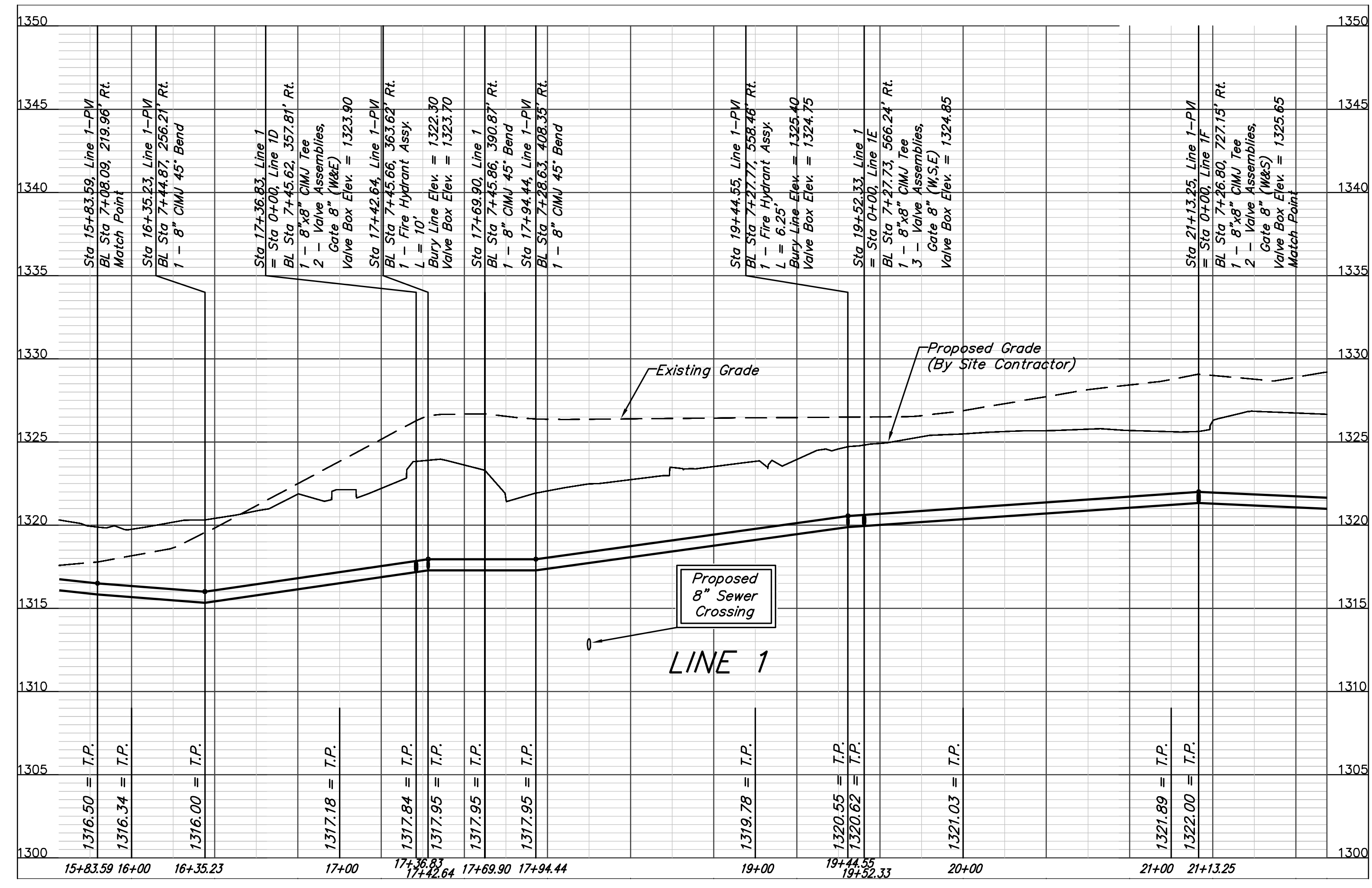
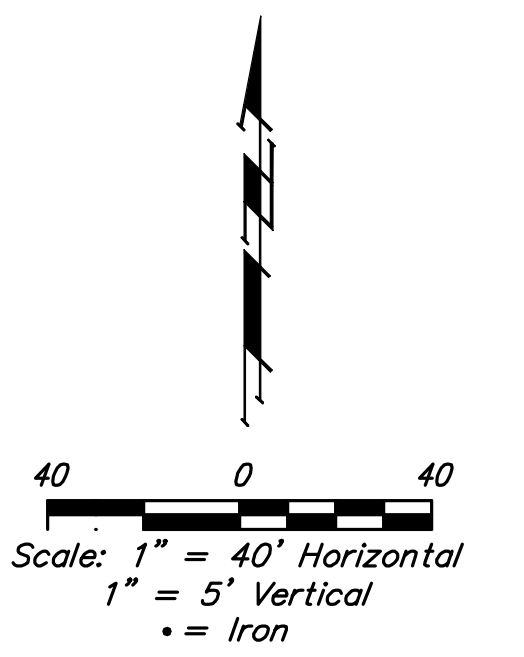
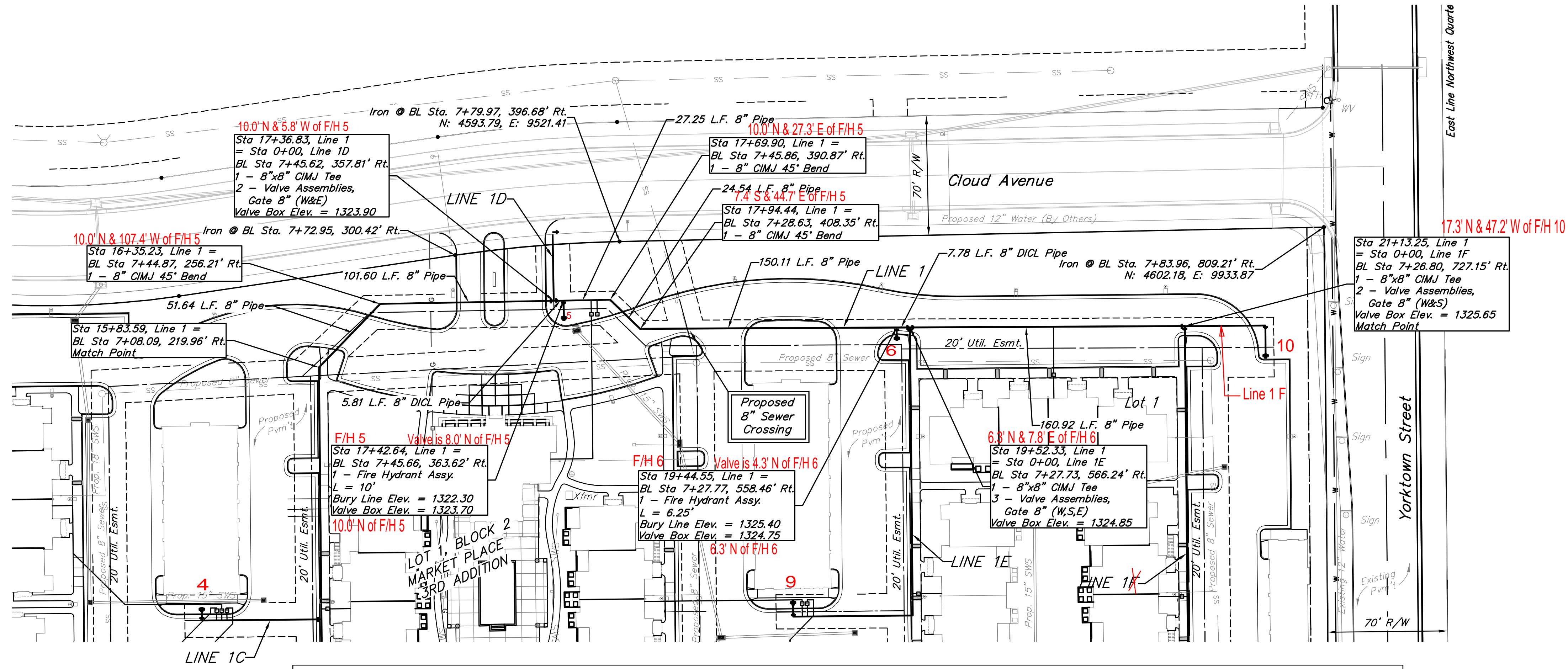


	MARKET PLACE 3RD ADDITION	
	LINE 1 & LINE 1G	
WATER DISTRIBUTION SYSTEM		
Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7211 F 316-262-0149		
ENGINEERING SURVEYING PLANNING LANDSCAPE ARCHITECTURE		
PROJECT NUMBER 1730 PPWW (607853)	DESIGN BKB	DRAWN TMS
REVISIONS:	APPROVED NBW	DATE 4/17/13
	SCALE Noted	SHEET
		5 OF 12

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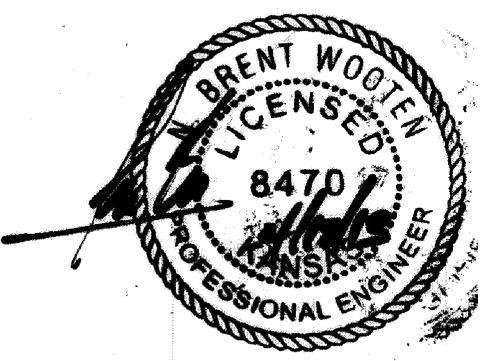
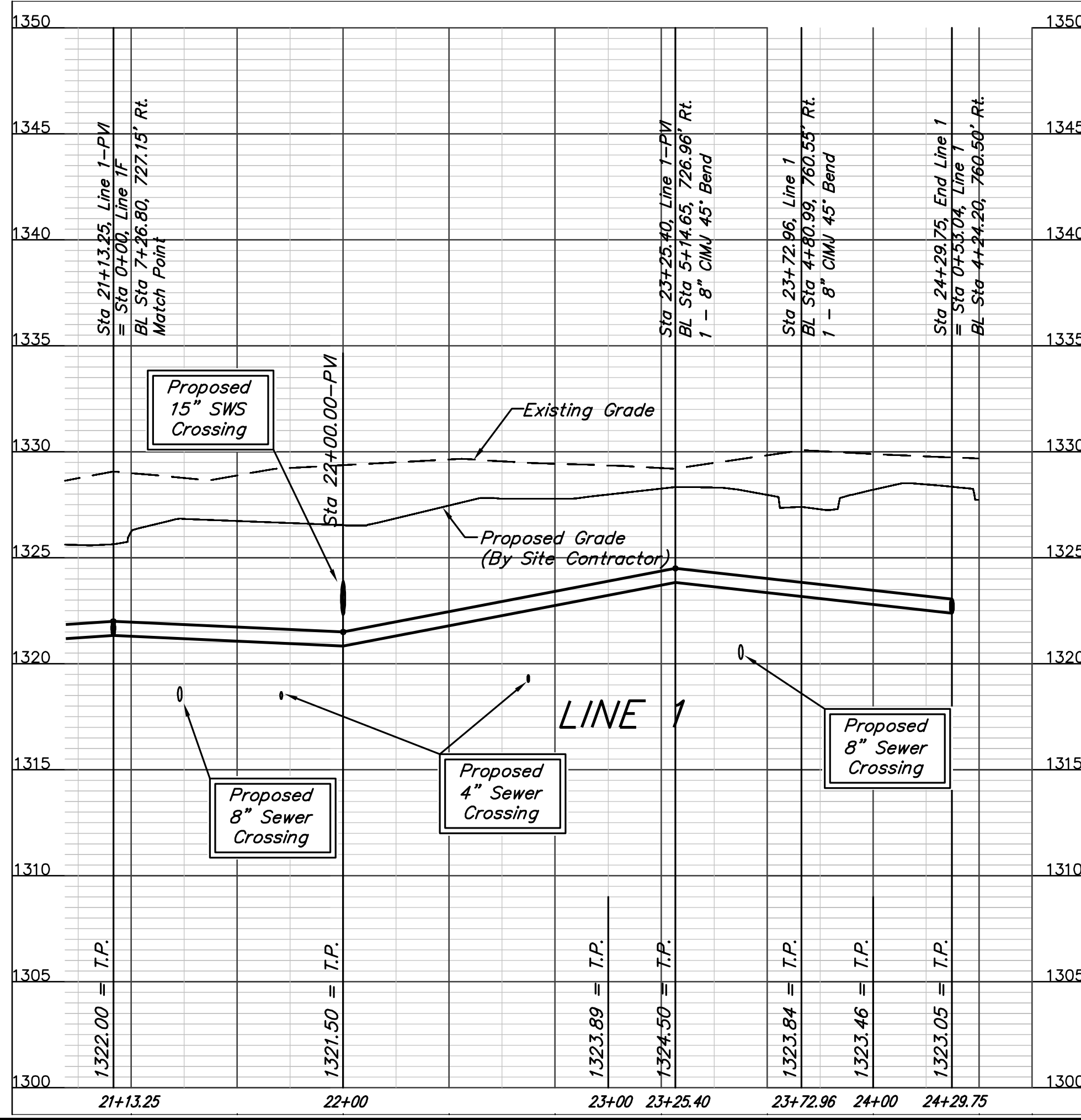
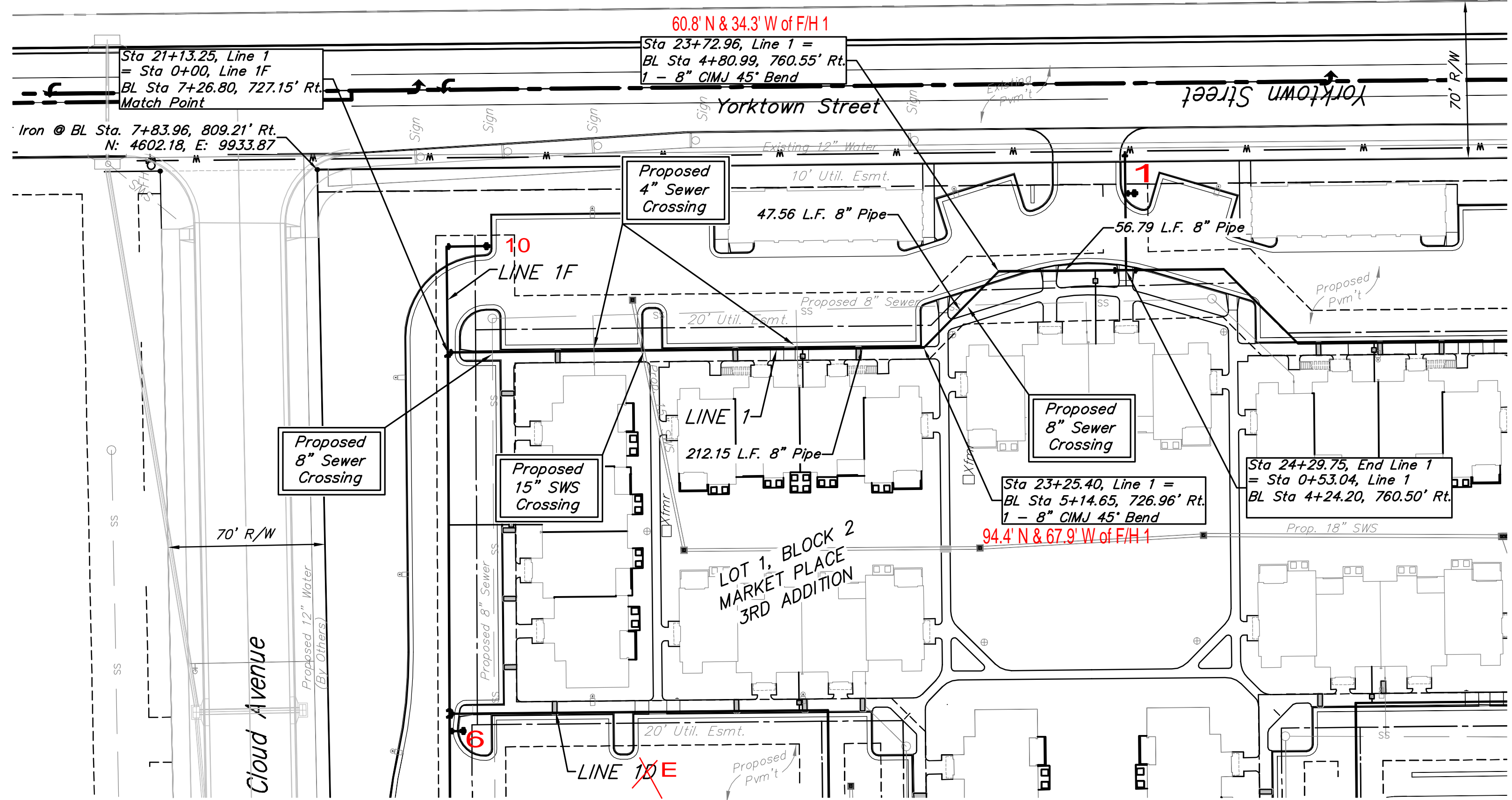
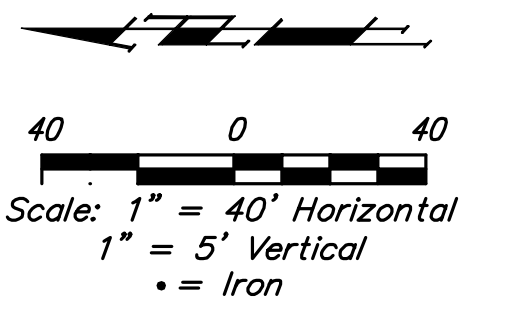
Baseline = West line of property.



	MARKET PLACE 3RD ADDITION LINE 1 WATER DISTRIBUTION SYSTEM	
	<small>Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7211 F 316-262-0149 ENGINEERING SURVEYING PLANNING LANDSCAPE ARCHITECTURE</small>	
PROJECT NUMBER 1730 PPW (607853)	DESIGN BKB	DRAWN TMS
REVISIONS:	APPROVED NBW	DATE 4/17/13
	SCALE Noted	SHEET 7 OF 12

BENCHMARKS:
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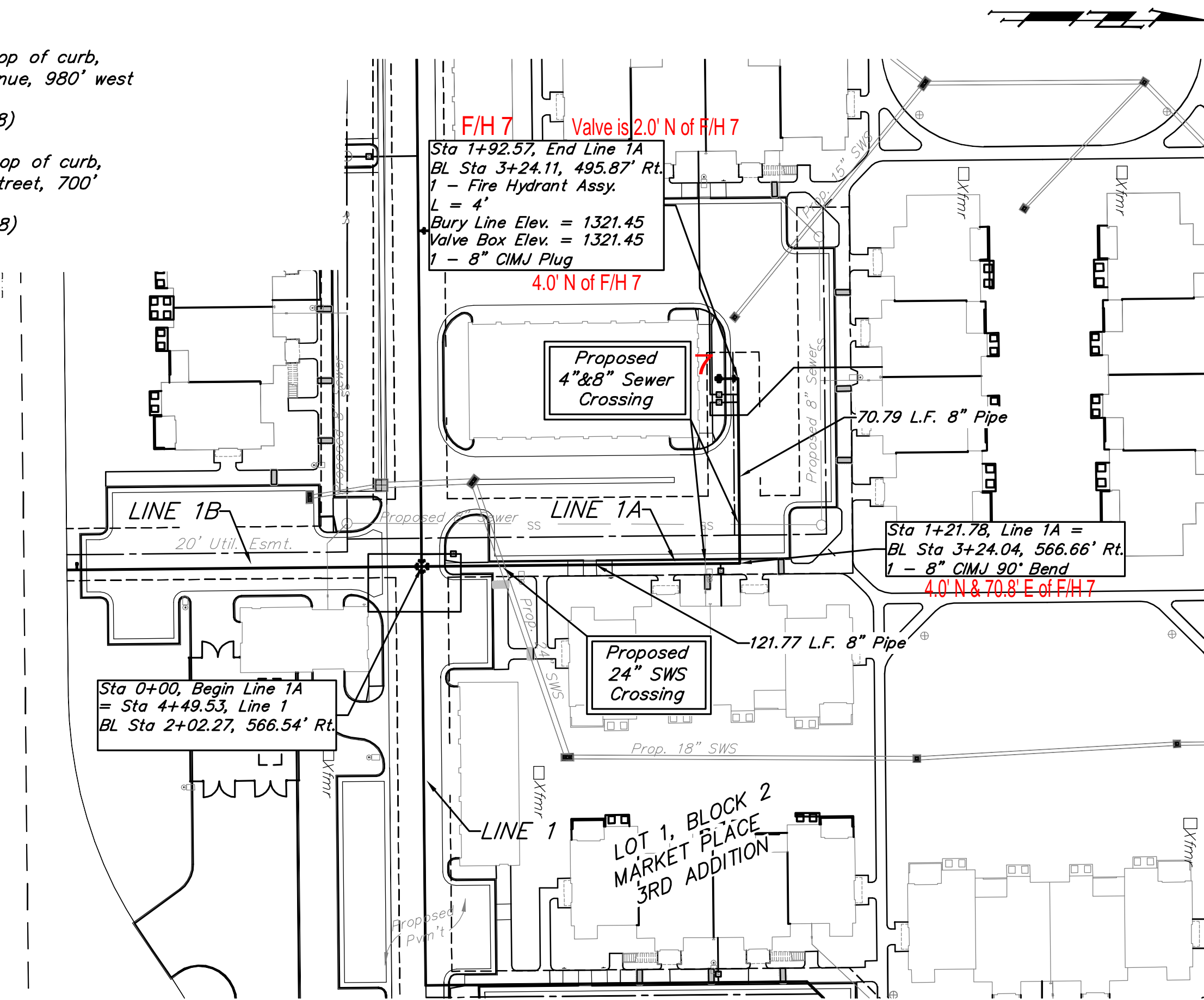


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PROJECT NUMBER 1730 PPW (607853)	DESIGN BKB	DRAWN TMS	DATE 4/17/13
REVISIONS:	APPROVED NBW	SCALE Noted	SHEET 8 of 12

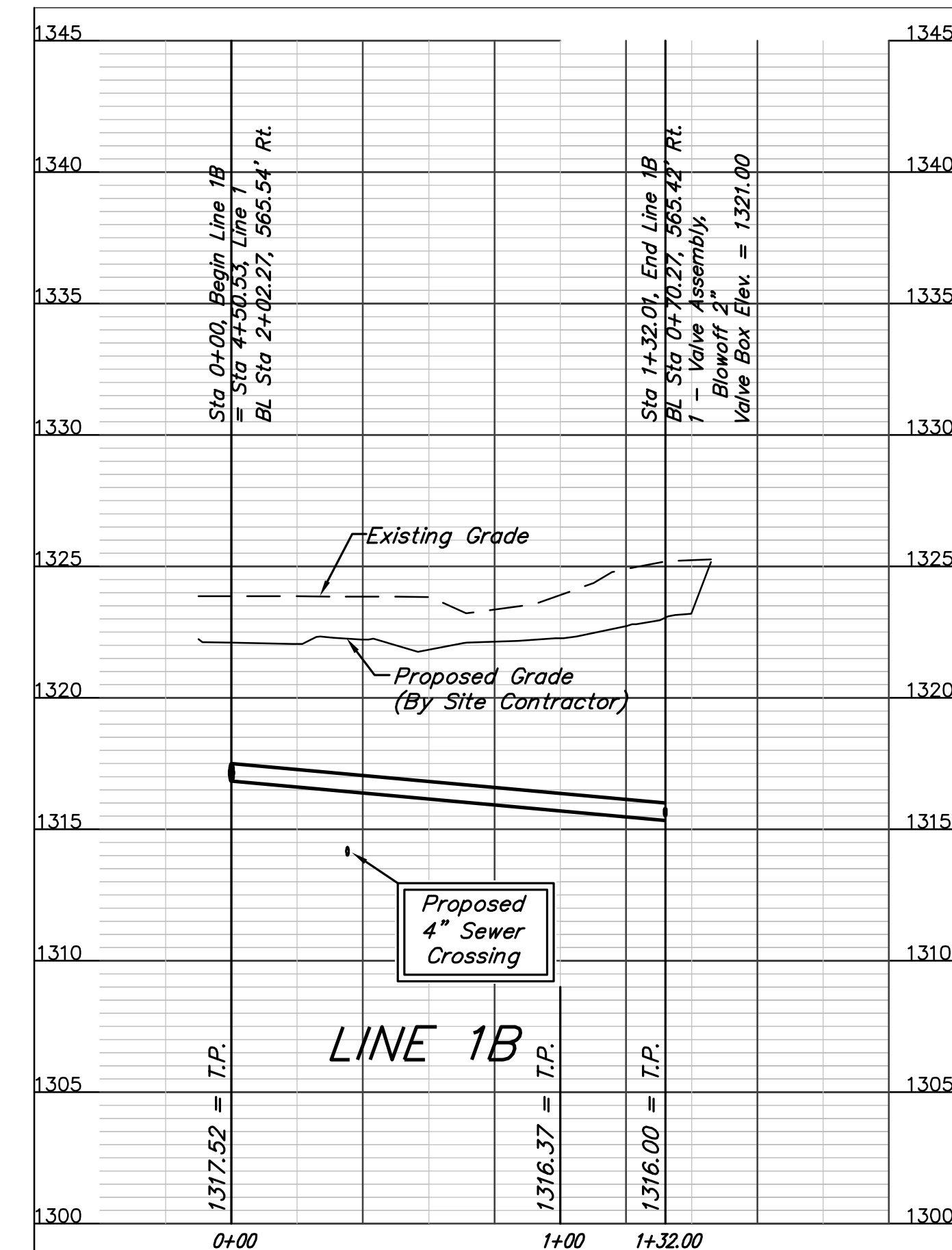
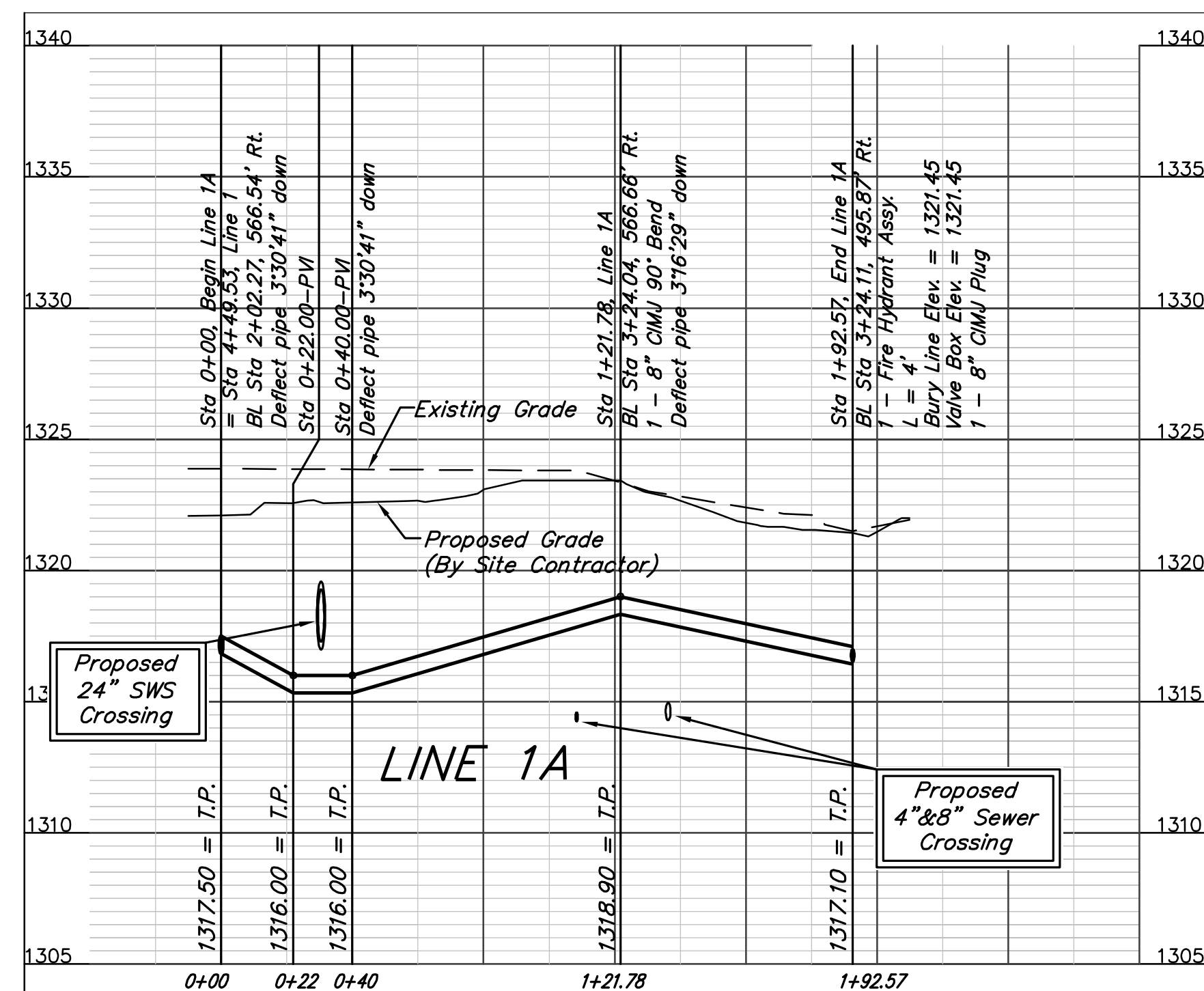
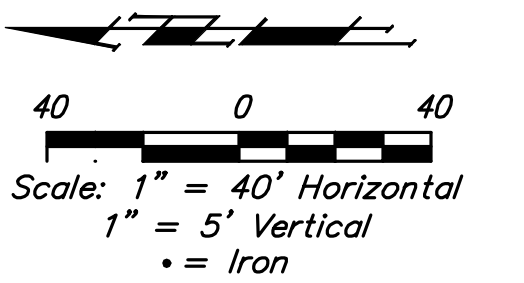
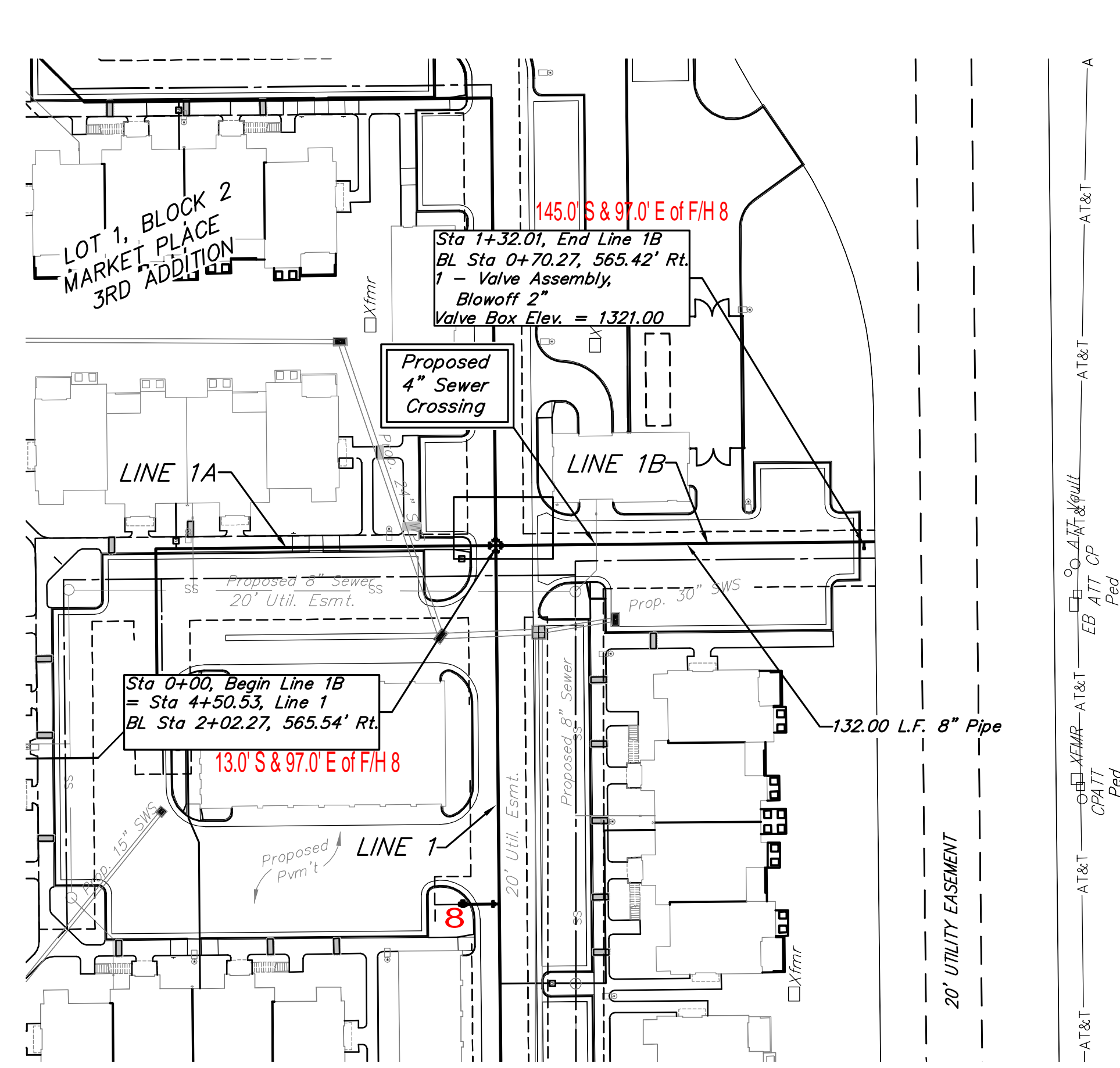
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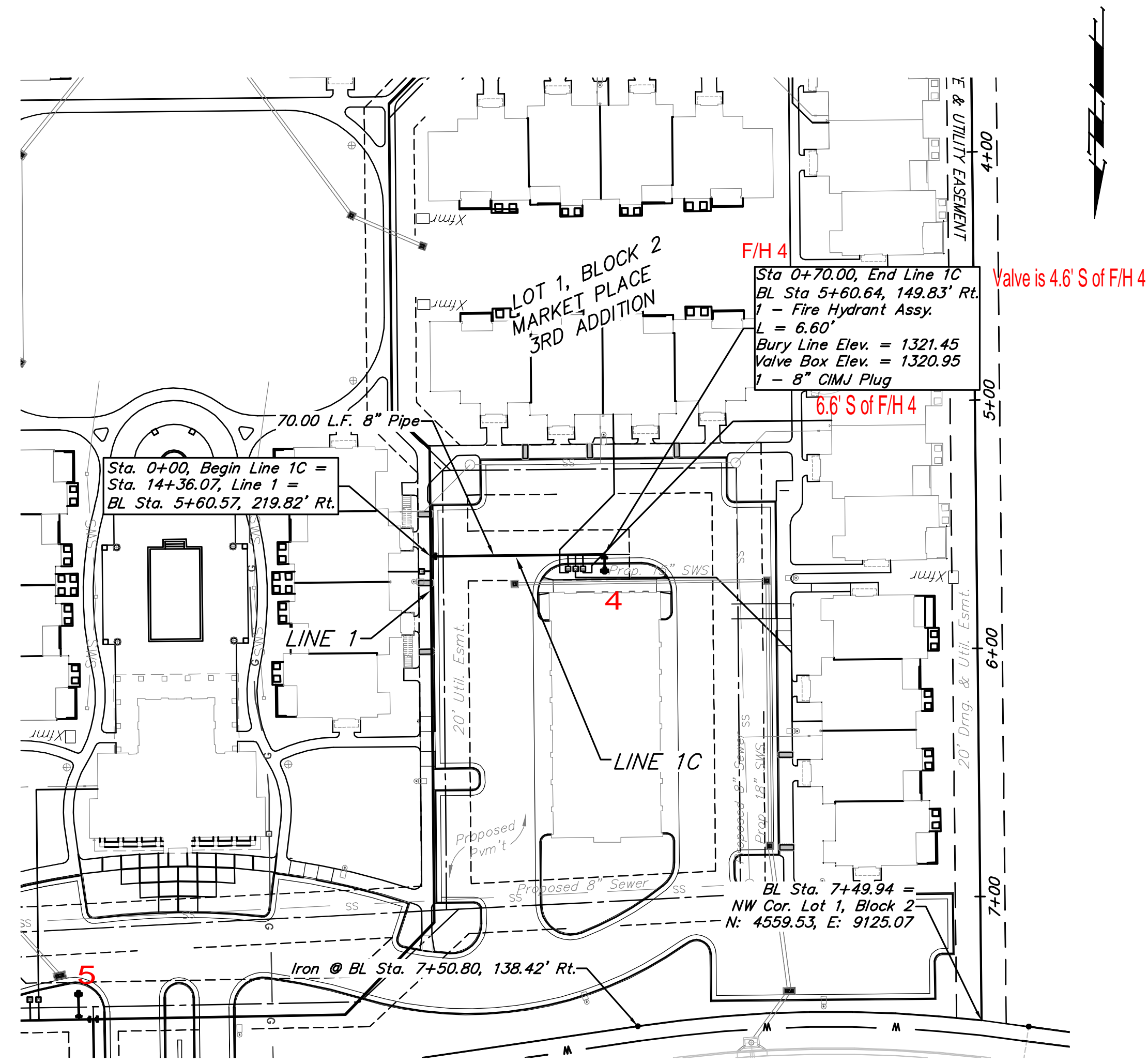


Baseline = West line of property

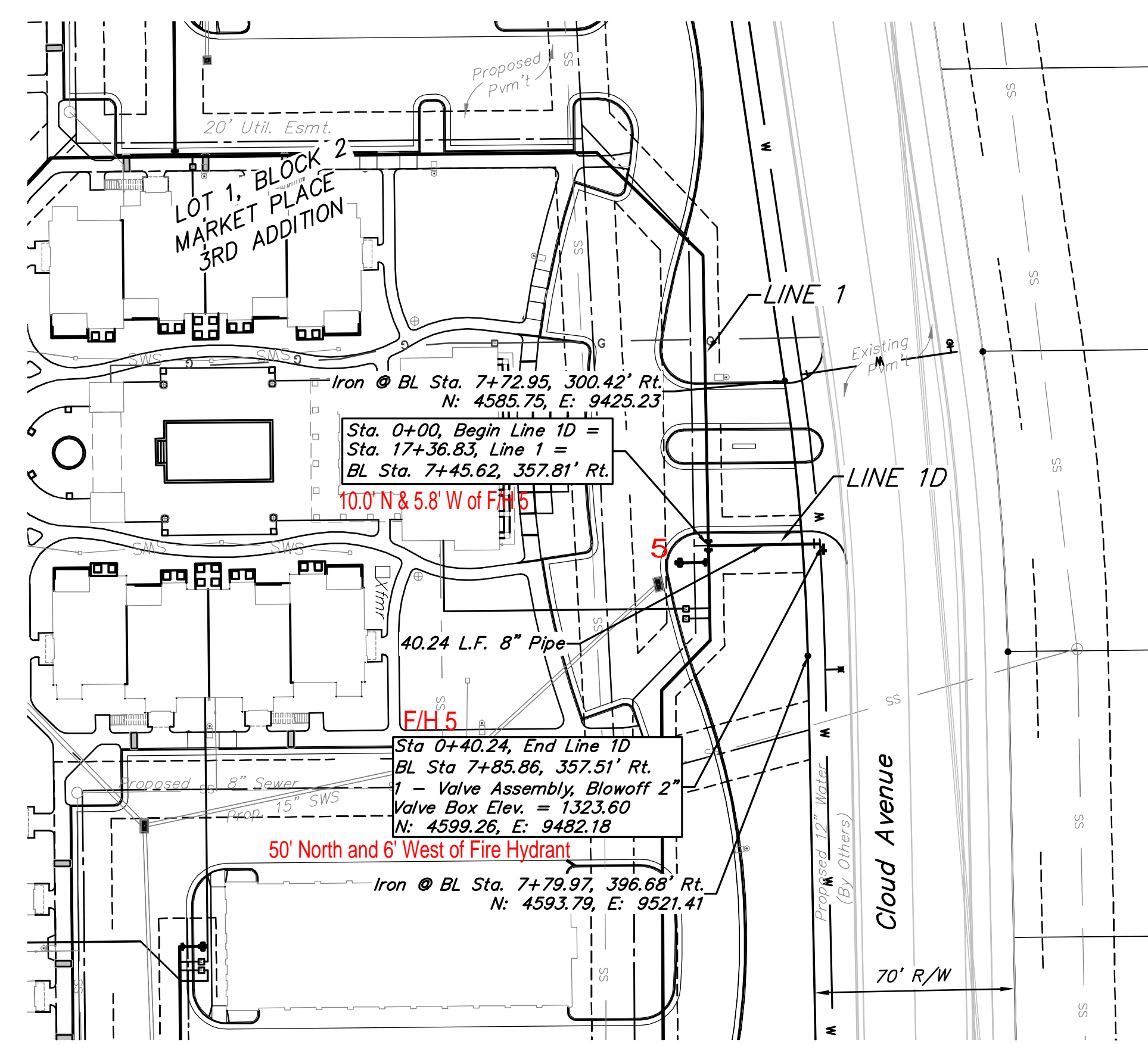
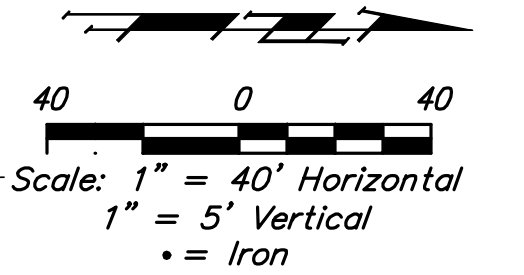


Baughman		MARKET PLACE 3RD ADDITION LINES 1A & 1B WATER DISTRIBUTION SYSTEM	
Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149 ENGINEERING SURVEYING PLANNING LANDSCAPE ARCHITECTURE			
PROJECT NUMBER 1730 PPWW (607853)	DESIGN BKB	DRAWN TMS	
REVISIONS:	APPROVED NBW	DATE 4/17/13	
	SCALE Noted	SHEET	
			9 OF 12

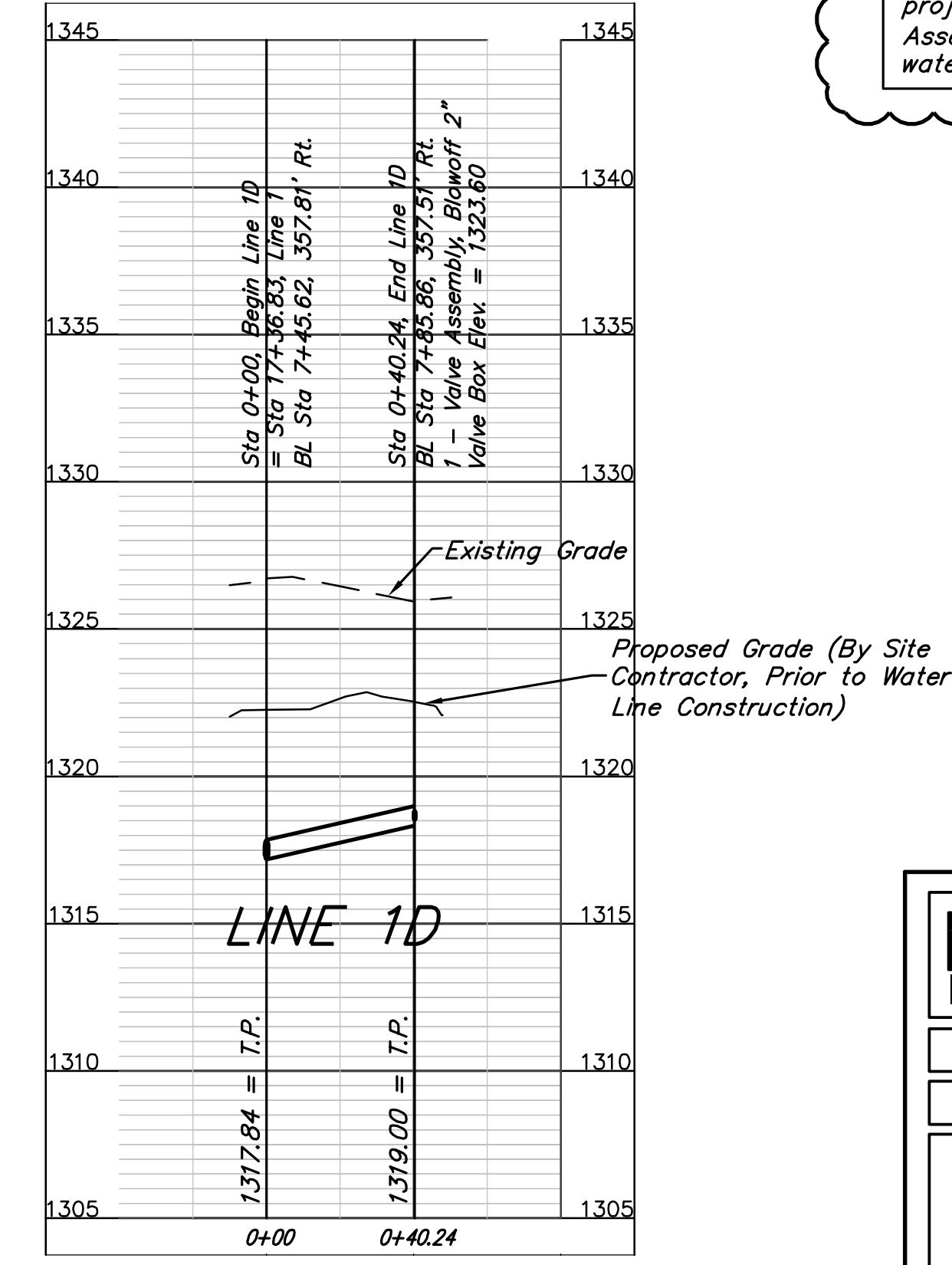
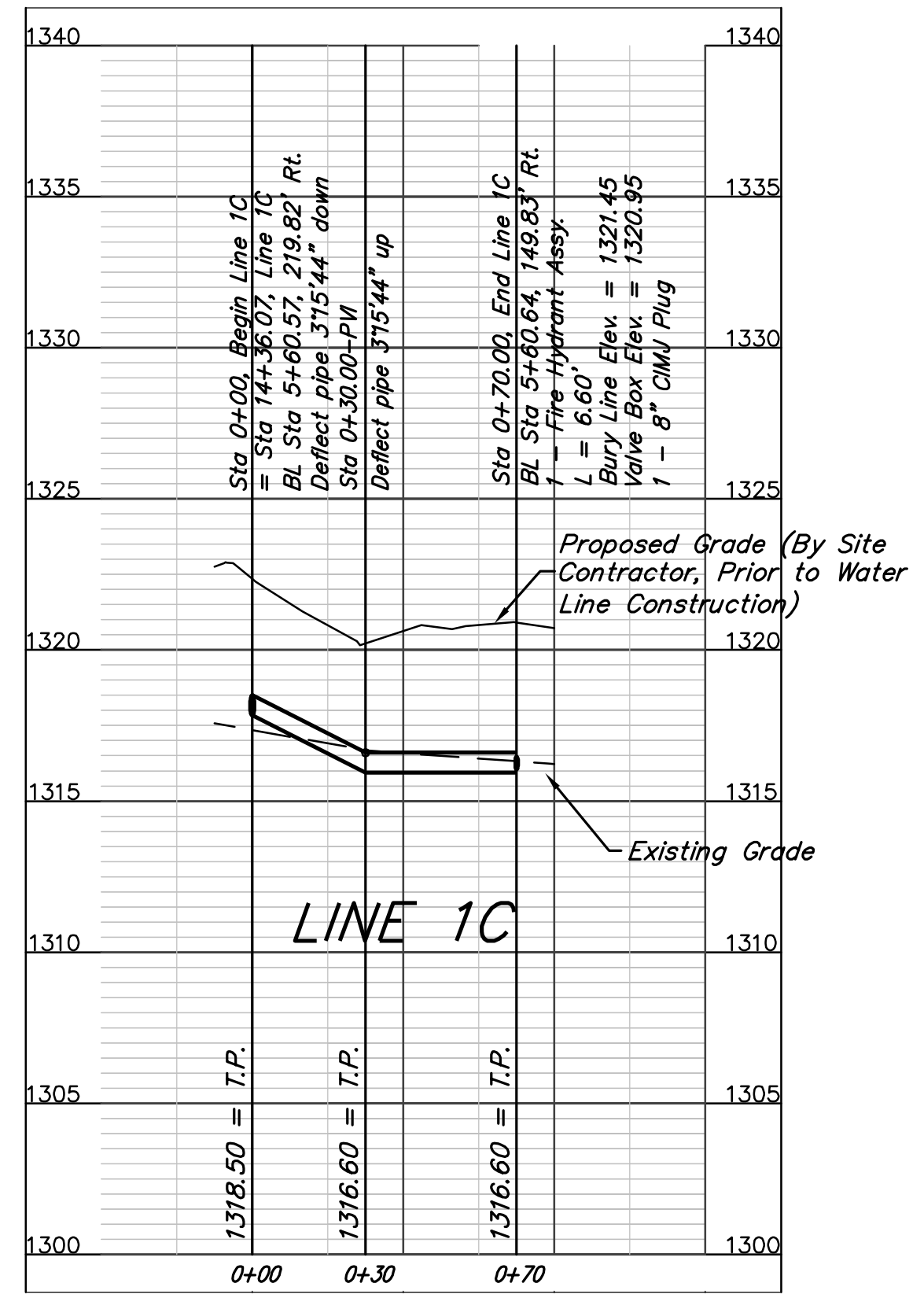
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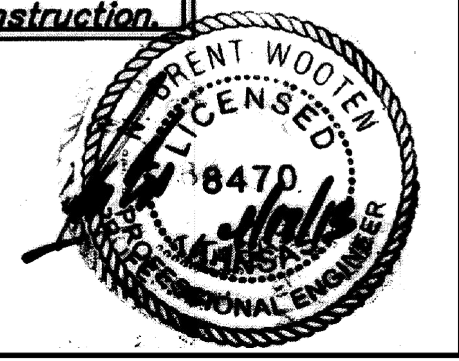
Baseline = West line of property.



NOTE:
 If the 12" water main in Cloud Avenue is existing when this project is constructed the Contractor of this project shall connect to the 8" valve installed with the water main project. Otherwise, the Contractor of this project shall install 1 - 2" Blowoff Valve Assembly and the Contractor of the 12" water main shall make the connection.



DEPTH UNKNOWN
 Contractor to Verify Depth & Location of Existing Water Line Prior to Construction.



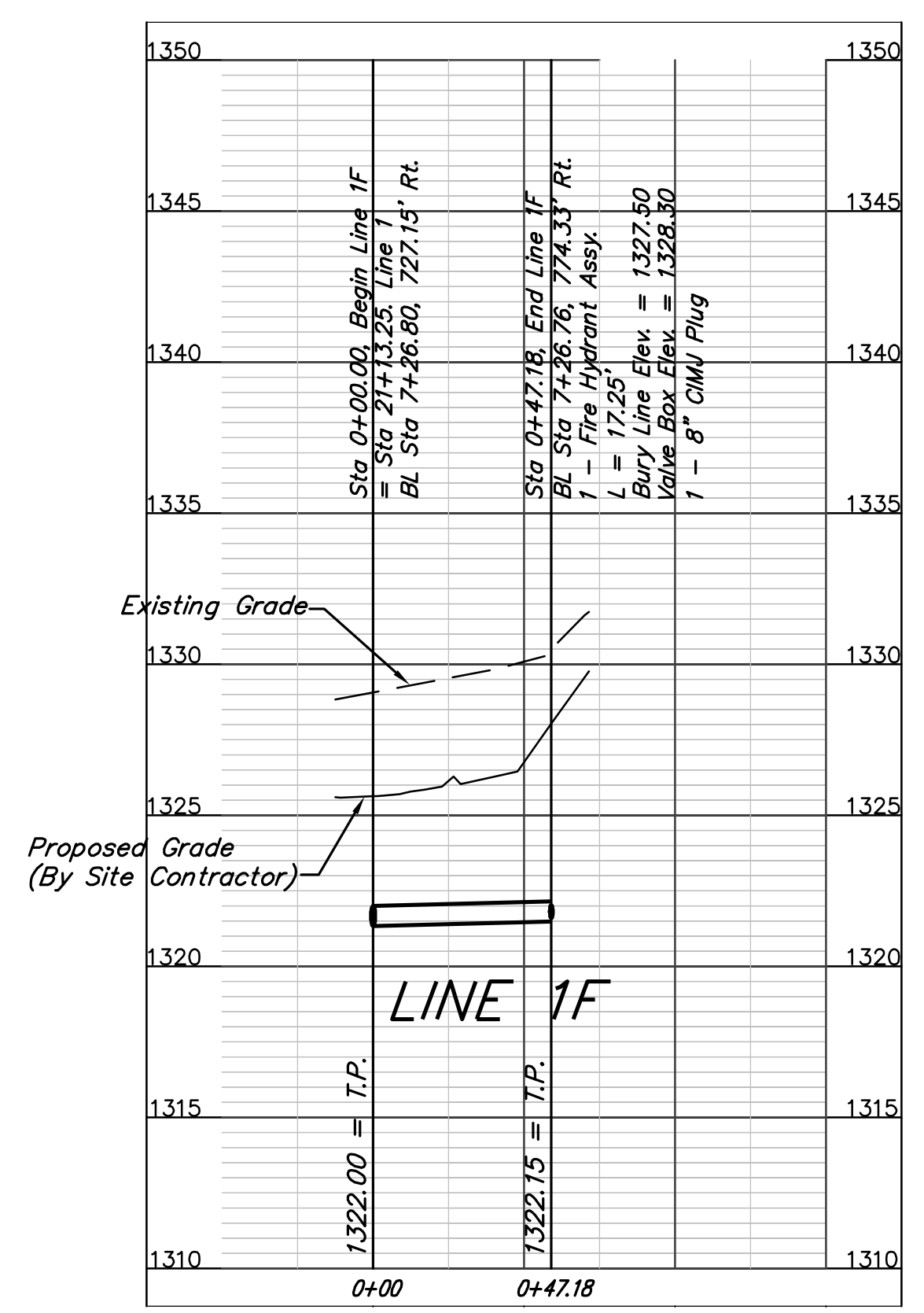
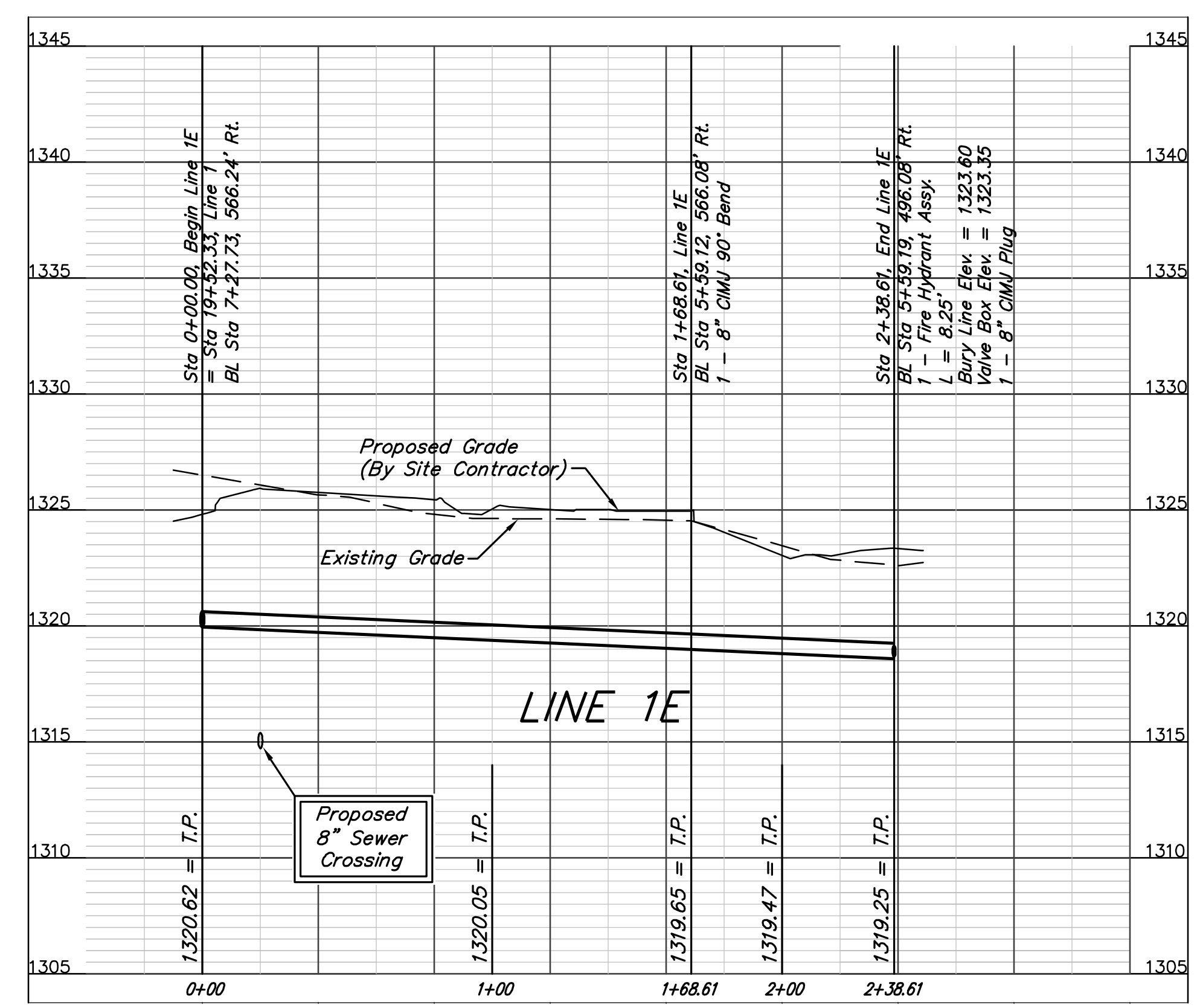
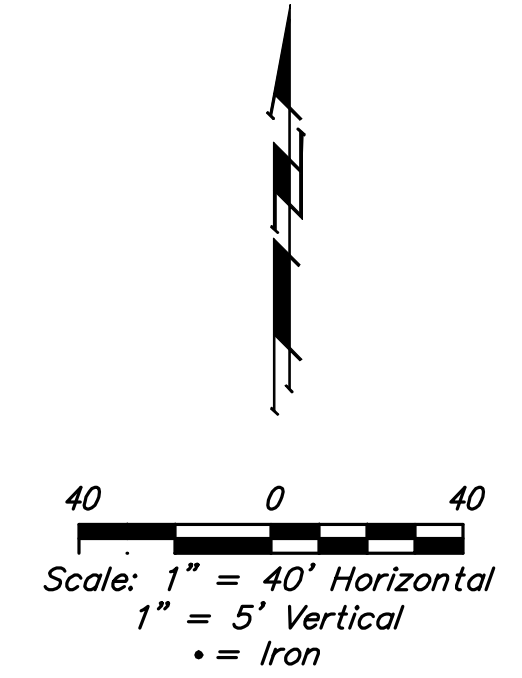
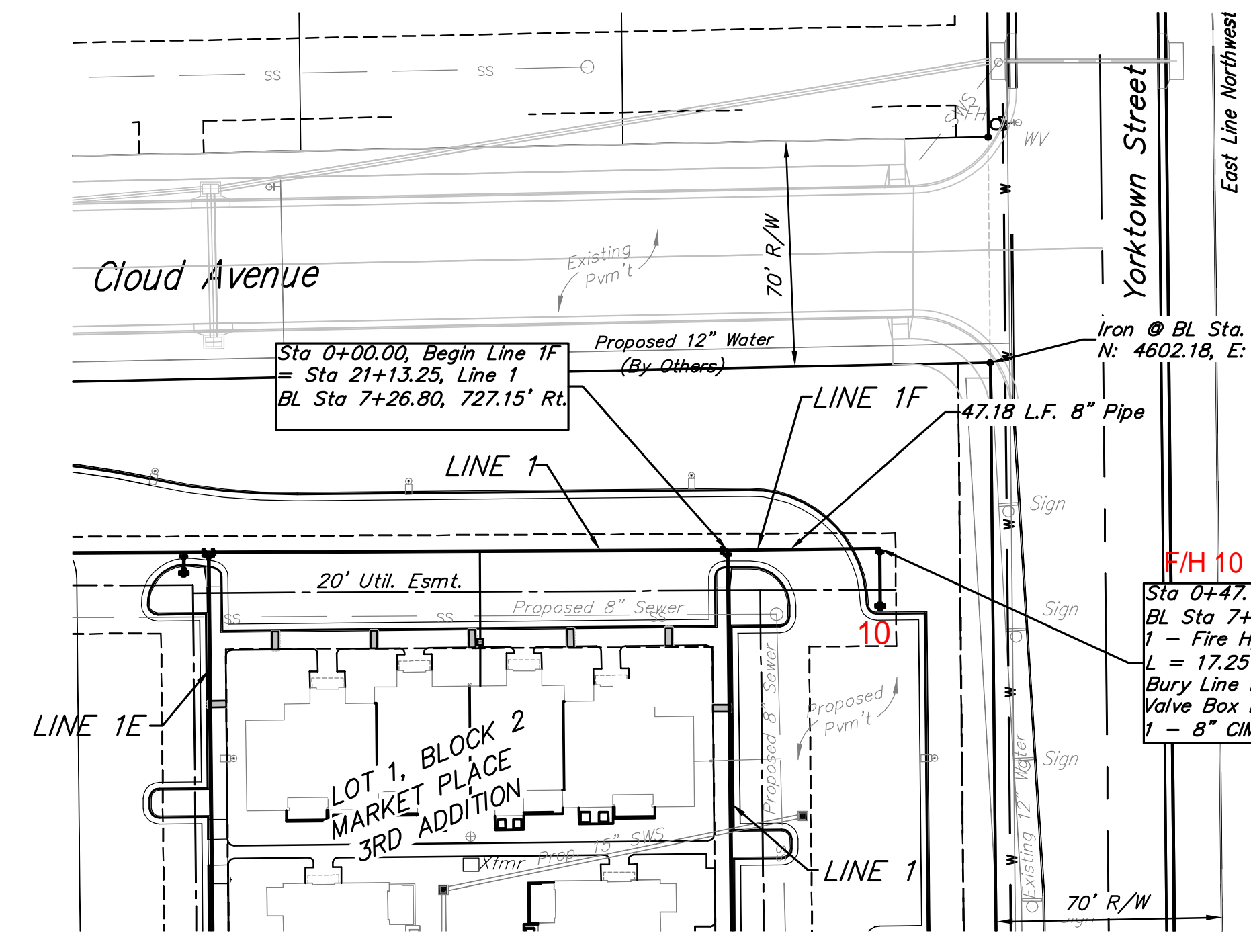
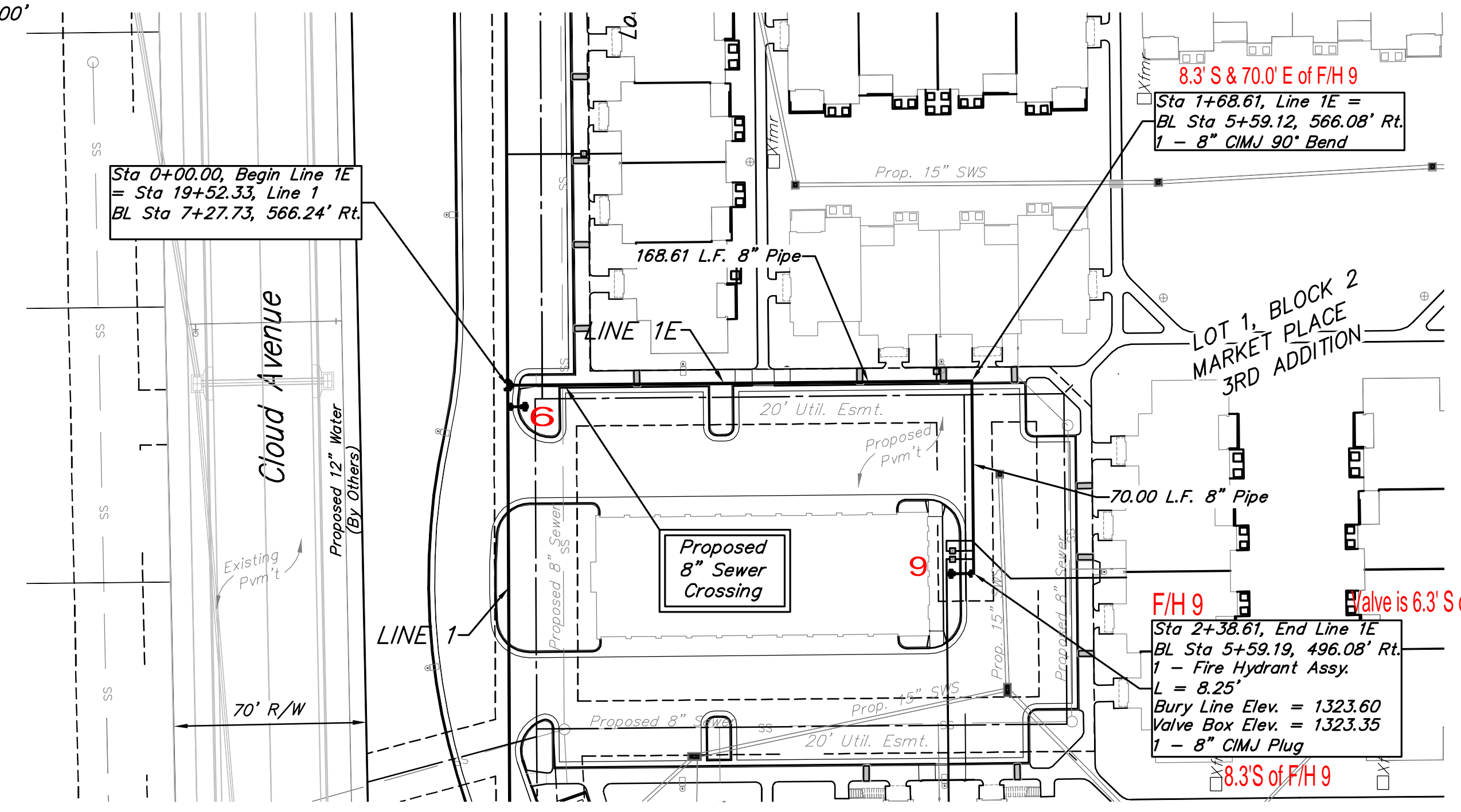
Baughman	MARKET PLACE 3RD ADDITION	
	LINES 1C & 1D	
WATER DISTRIBUTION SYSTEM		
Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7211 F 316-262-0149		
ENGINEERING SURVEYING PLANNING LANDSCAPE ARCHITECTURE		
PROJECT NUMBER 1730 PPW (607853)	DESIGN BKB	DRAWN TMS
REVISIONS: 4/25/13 Coordination Note	JAK	DATE 4/17/13
SCALE Noted		SHEET 10 OF 12

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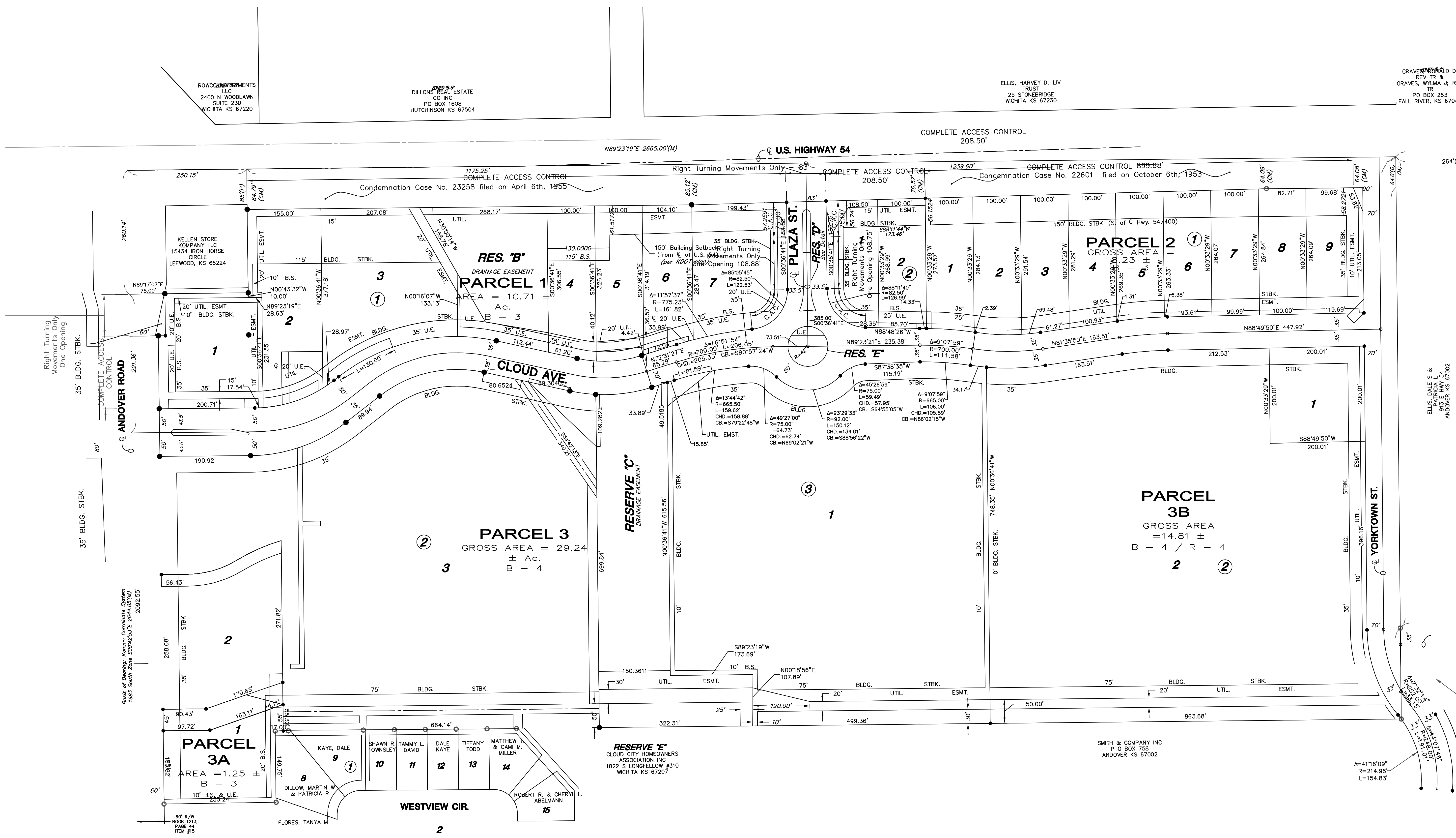
	MARKET PLACE 3RD ADDITION	
	LINES 1E & 1F	
WATER DISTRIBUTION SYSTEM		
Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7211 F 316-262-0149		
ENGINEERING SURVEYING PLANNING LANDSCAPE ARCHITECTURE		
PROJECT NUMBER 1730 PPW (607853)	DESIGN BKB	DRAWN TMS
REVISIONS:	APPROVED NBW	DATE 4/17/13
	SCALE Noted	SHEET 11 OF 12

ROWCOZ INVESTMENTS
LLC
2400 N WOODLAWN
SUITE 230
WICHITA KS 67220

DILLONS REAL ESTATE
CO INC
PO BOX 1608
HUTCHINSON KS 67504

ELLIS, HARVEY D; LIV
TRUST
25 STONEBRIDGE
WICHITA KS 67230

GRAVES, WYMA J; REV
TR &
TRUST
PO BOX 263
FALL RIVER, KS 67047



Basis of Bearing: Kansas Coordinate System
1983 South Zone 50°42'53"E 2644.02(M)
2092.55

RESERVE 'E'
CLOUD CITY HOMEOWNERS
ASSOCIATION INC
1822 S LONGFELLOW #310
WICHITA KS 67207

SMITH & COMPANY INC
P O BOX 758
ANDOVER KS 67002