

GENERAL NOTES:

- The Contractor shall comply with all applicable safety regulations. All construction shall be completed following current City Standard Specifications and Special Provisions.
- 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:
 AT&T 1-800-246-8464
 Black Hills Energy 1-800-694-8989
 City of Wichita Water & Sewer 1-316-219-8921
 City of Wichita Stormwater 1-316-268-4090
 City of Wichita Traffic 1-316-268-4034
 Cox Communications 1-888-249-3530
 Kansas Gas Service 1-888-482-4950
 Westar Energy 1-800-544-4857
- Utility service lines, poles, etc. 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 will 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 will 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 City 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 elevations shown are NAVD 88.
- All stubs and capped pipes shall be located with green plastic tape in the same manner as risers.
- Connecting to Existing Manholes:
 Prior to laying sewer lines using existing stubs in existing manholes, the Contractor shall expose and verify the elevation, grade and alignment of existing stubs and notify the Engineer of any deviation from the plans. Where the stub is unusable due to elevation grade or alignment, the Contractor shall remove the stub and plug the hole, and reshape the existing manhole invert to provide smooth flow. Where connection to an existing manhole that does not have an existing stub, the Contractor shall core cut into existing manhole wall to make connection using approved water stop gasket, and reshape the existing manhole invert to provide smooth flow. The cost of connect to existing manholes is incidental to the project.
- Contractor shall limit the extent of trench open overnight and weekends to less than 50 feet.
- Contractor shall provide positive drainage away from all manhole covers.
- The Contractor shall prevent any construction debris from entering the existing sanitary sewer during construction.
- The Contractor shall protect from damage and support existing utilities through construction as approved by the utility owner and the Engineer at the contractor's expense.
- All disturbed areas are to be seeded as follows:
 Seed -- Rye grass; 5 lbs./1000 Sq. Ft.
 All costs associated with seeding including mobilization, preparation of ground, seeding, fertilizing, mulching, etc. shall be included in the L.S. bid item "Seeding".
- 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 "Maintain Existing BMPs".
- The developer for this project is Meadow Lake Beach Corp., Richard A. Niedens, President.

Benchmarks

BM #1 - City of Wichita Benchmark Disc, SE Corner of Clifton and 55th Street South, Southwest corner of RCB, on top of hubguard at the West end.
 Elev. = 1263.91 NAVD88

BM #2 - " " Cut on top of curb, north side of Shoffner, adjacent to SE corner of Lot 14 Block B, Meadowlake Beach Addition, Sedgwick County, Kansas.
 Elev. = 1264.80 NAVD88

SANITARY SEWER IMPROVEMENTS to serve **MEADOWLAKE BEACH ADD. - PH. 3A**

CITY OF WICHITA, KANSAS

Gary Janzen, P.E. City Engineer

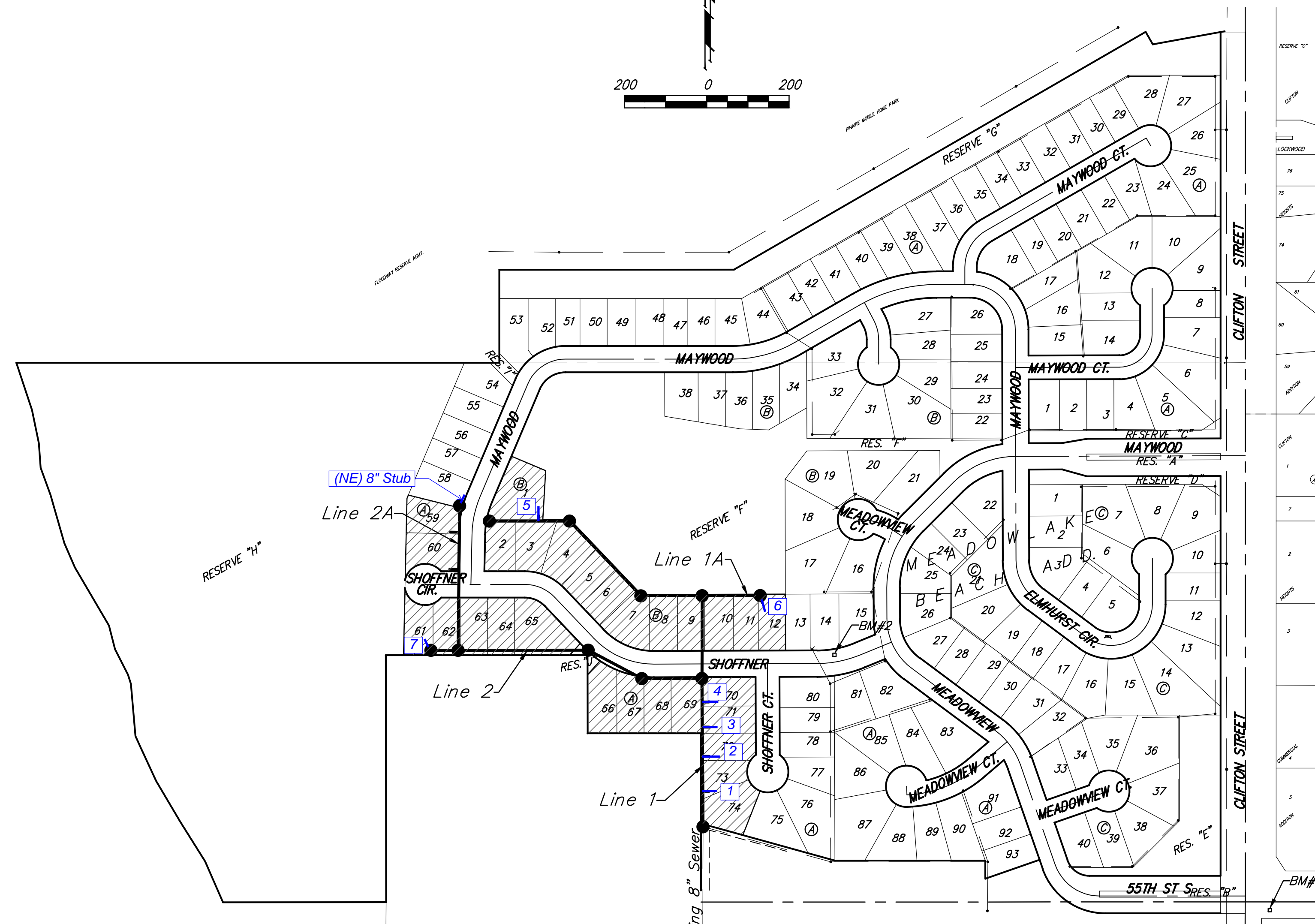
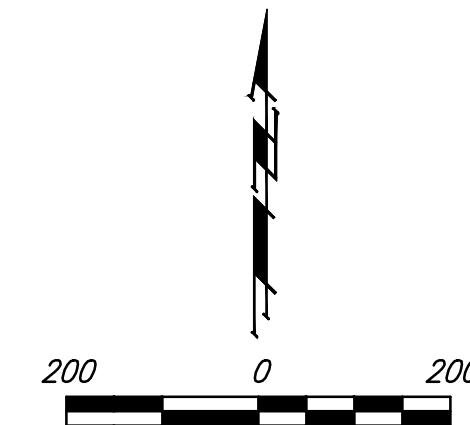
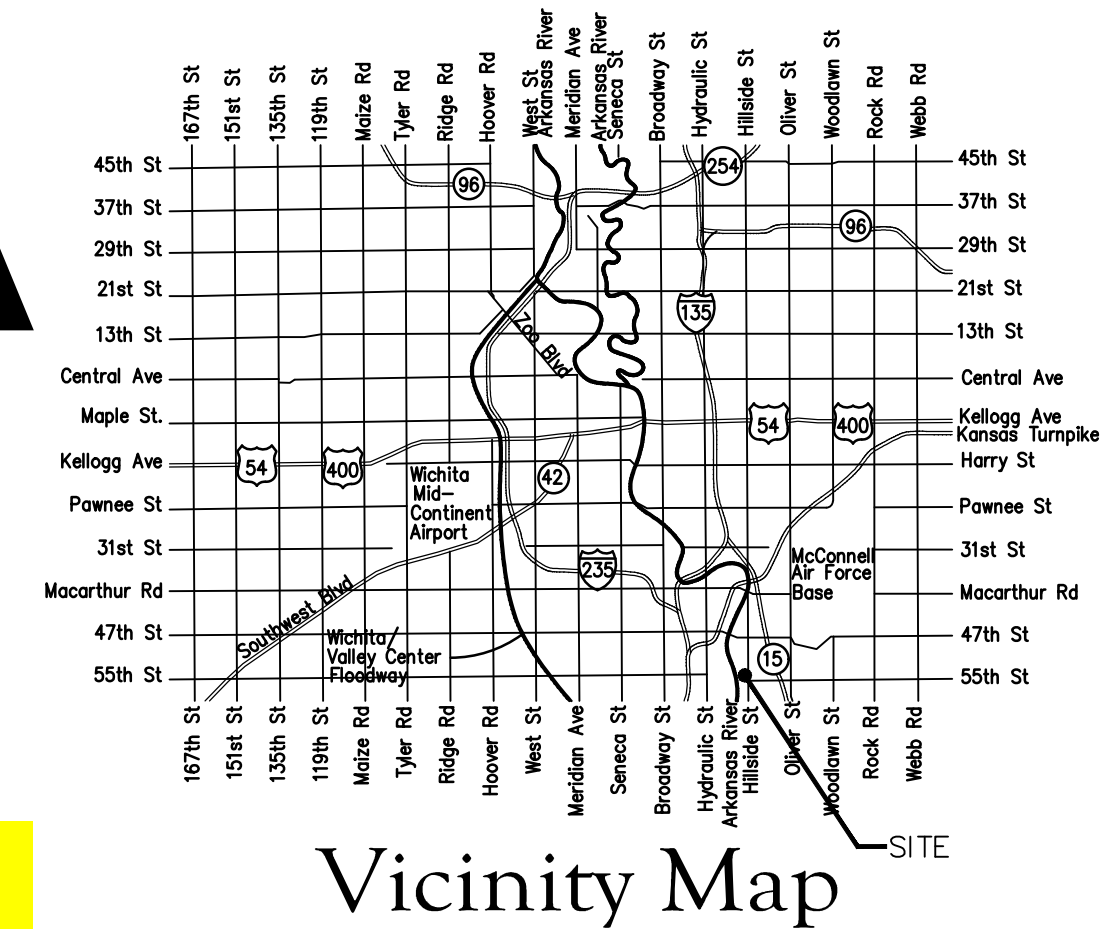
Project Number

468-84341

O.C.A. Number

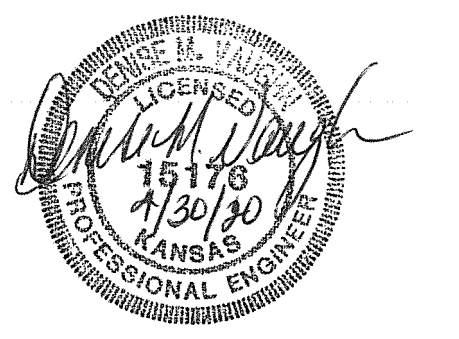
744508

Dondlinger - Contractor
 K. Yale - City of Wichita, Field Project Engineer
 L. Powell - Baughman, Inspector
 As-built
 Stubs & Risers
 Release Date (for connection purposes only): 8/13/2020
 Completion Date: 7/13/2021
 pdf: apr 01/5/2021



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Benefit District

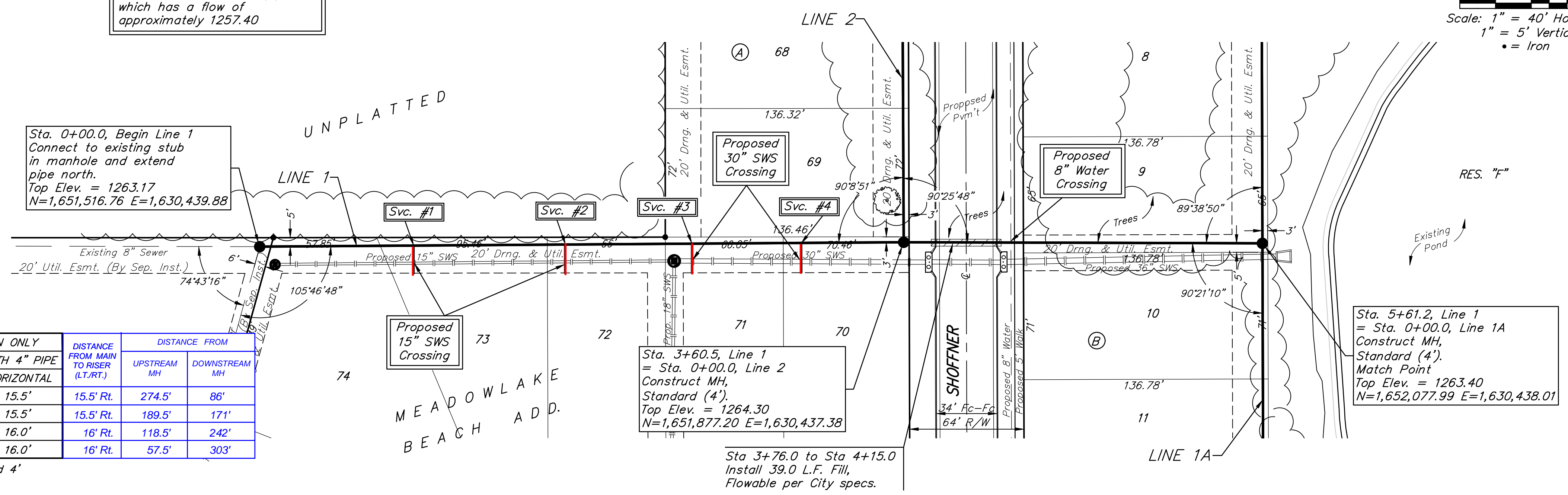
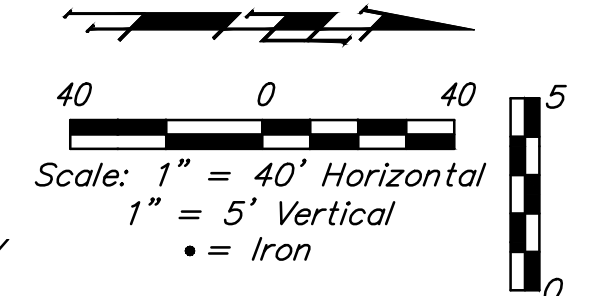
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 Elev. = 1264.80 NAVD88

Trees in conflict with sewer construction to be removed by contractor. To be paid for as lump sum bid item "Site Clearing"

All other trees shall remain and be protected from damage during construction. Overhanging limbs shall be trimmed by the Contractor using a chain saw only as necessary for construction and with approval of the Engineer. Cost of tree trimming to be included in bid item "Site Clearing"

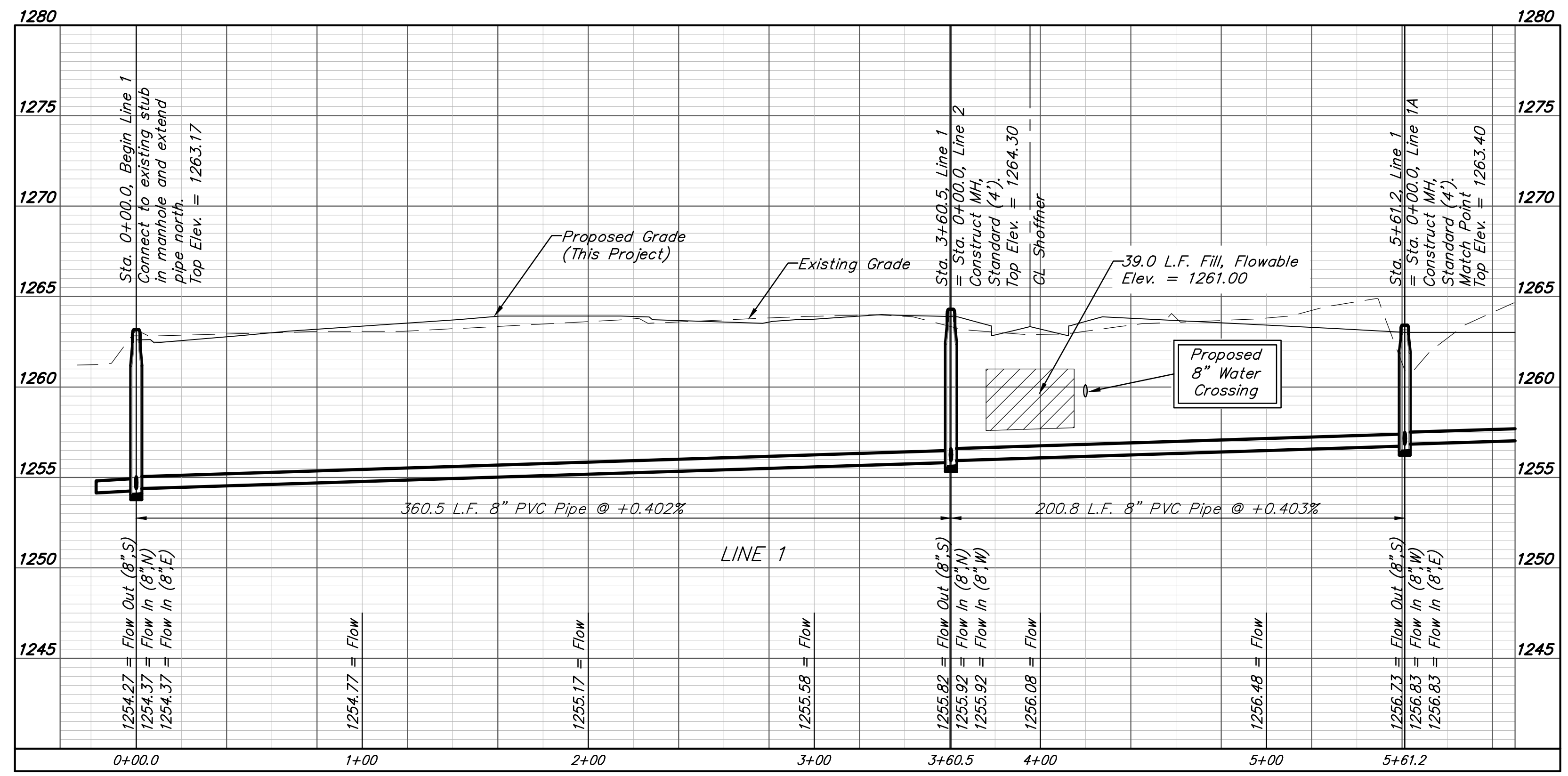
*Risers #3 & #4: The 8"x4" service tee shall be rotated to a 2% slope above horizontal for the service connection to fit under the 30" SWS pipe, which has a flow of approximately 1257.40



SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION			STATION DIRECTION	FOR INFORMATION ONLY APPROXIMATE LENGTH 4" PIPE		DISTANCE FROM	
		LOT NO.	BLOCK NO.	LINE NO.		VERTICAL	HORIZONTAL	UPSTREAM MH	DOWNSTREAM MH
1	8" X 4" Tee W/Riser	73	A	1	0+86.0/Rt.	4.5'	15.5'	15.5' Rt.	86'
2	8" X 4" Tee W/Riser	72	A	1	1+71.0/Rt.	5.0'	15.5'	15.5' Rt.	171'
3	8" X 4" Tee W/Riser	71	A	1	2+42.0/Rt.	4.5'	16.0'	16' Rt.	242'
4	8" X 4" Tee W/Riser	70	A	1	3+03.0/Rt.	4.5'	16.0'	16' Rt.	303'

NOTE: Vertical Riser Pipe shall be extended to 2' minimum above ground water elevation and 4' maximum below proposed ground elevation.



Contractor shall verify elevation and alignment of existing 8" pipe stub prior to construction and notify Engineer of any discrepancy.

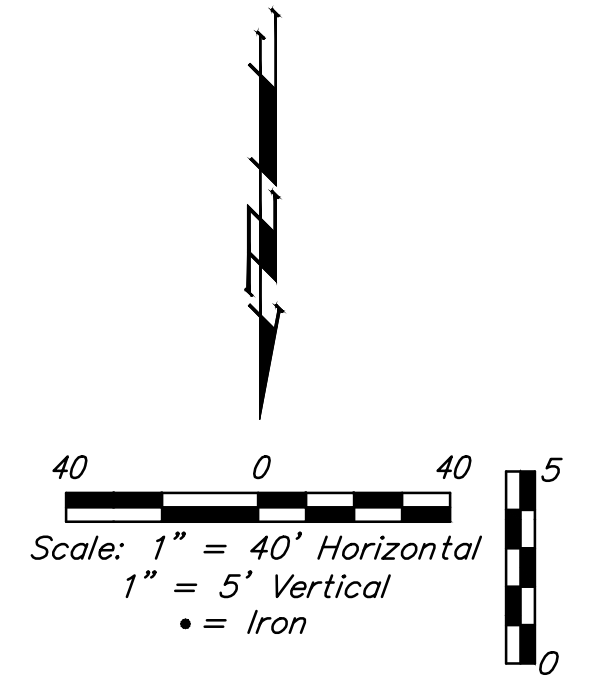
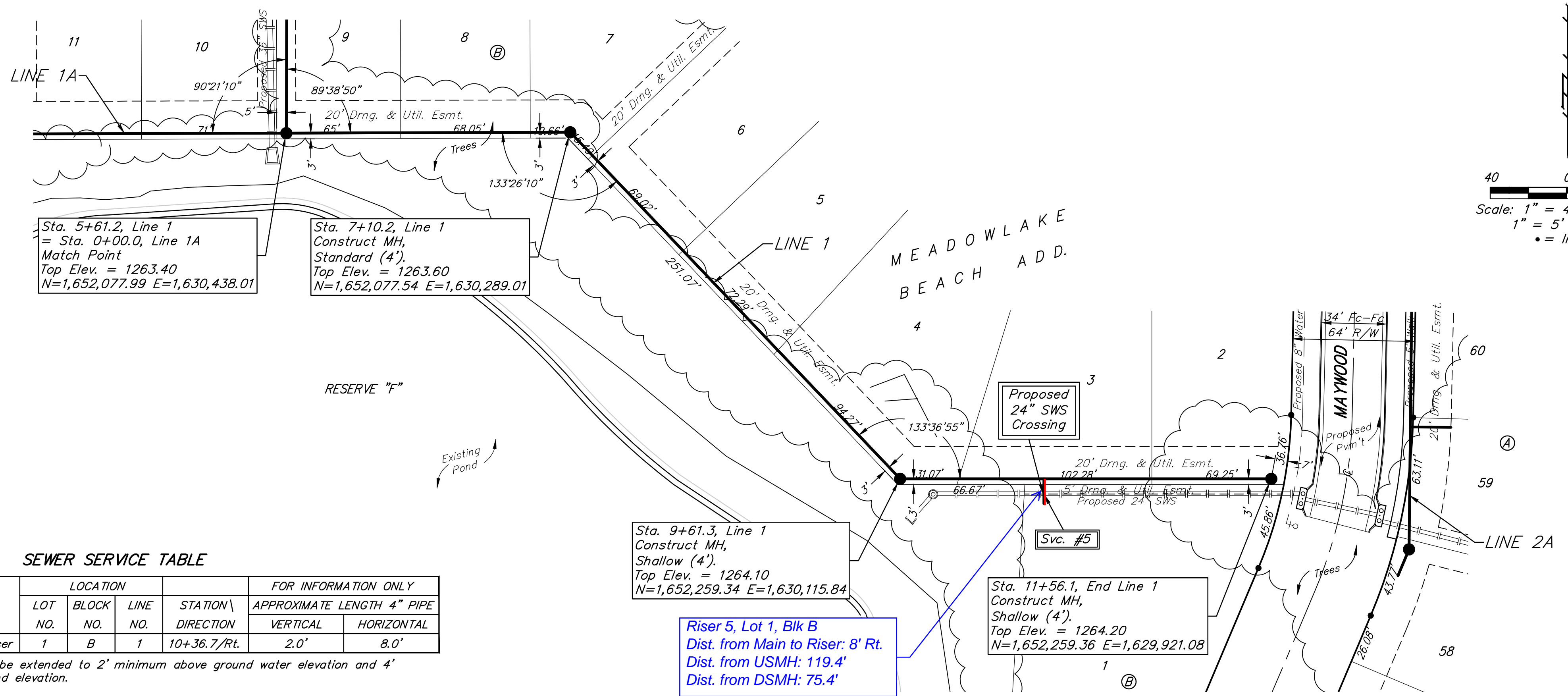


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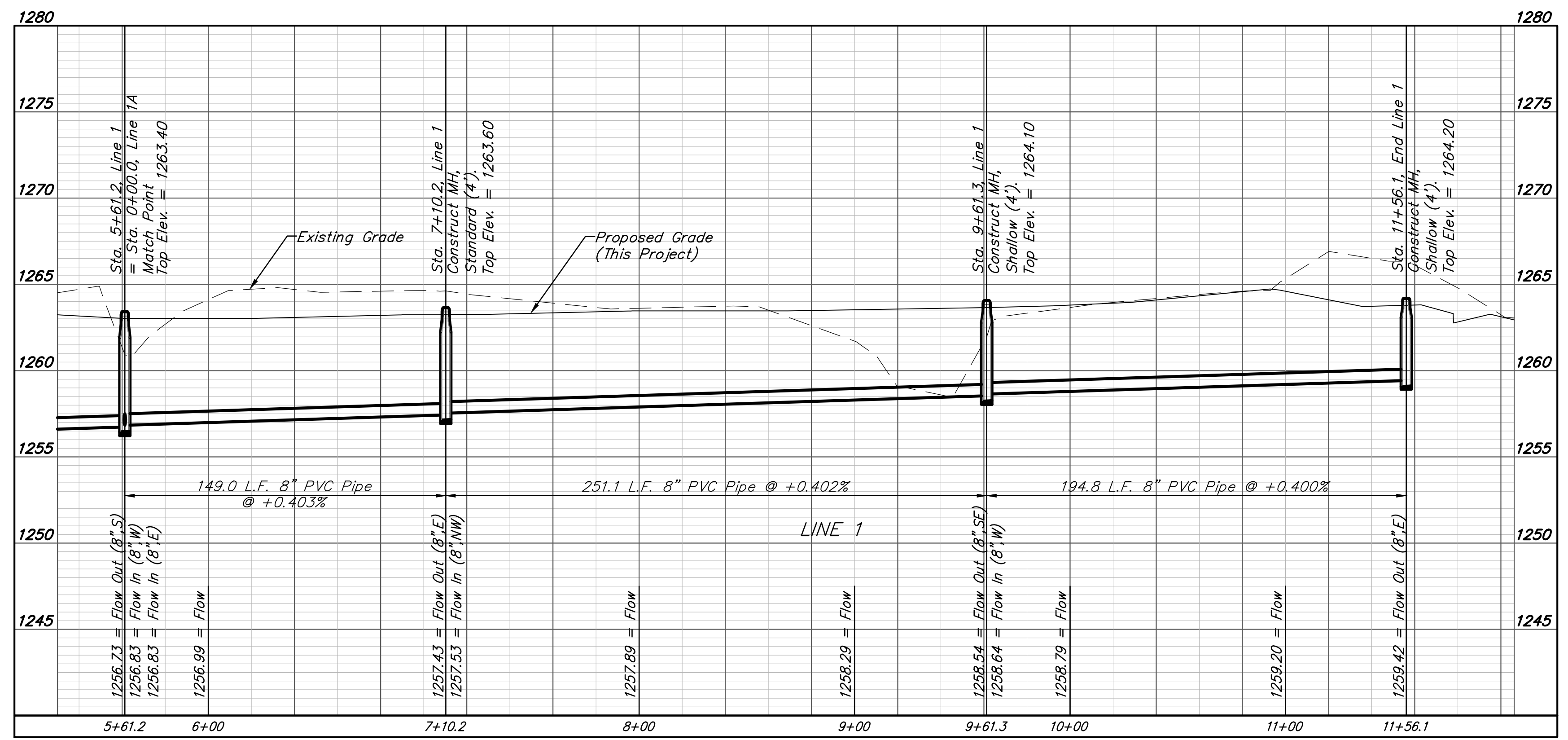
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NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION\ DIRECTION	APPROXIMATE LENGTH 4" PIPE VERTICAL	HORIZONTAL
5	8" X 4" Tee W/Riser	1	B	1	10+36.7/Rt.	2.0'	8.0'

NOTE: Vertical Riser Pipe shall be extended to 2' minimum above ground water elevation and 4' maximum below proposed ground elevation.

Sta. 9+61.3, Line 1 Construct MH, Shallow (4'). Top Elev. = 1264.10 N=1,652,259.34 E=1,630,115.84

Riser 5, Lot 1, Blk B Dist. from Main to Riser: 8' Rt. Dist. from USMH: 119.4' Dist. from DSMH: 75.4'



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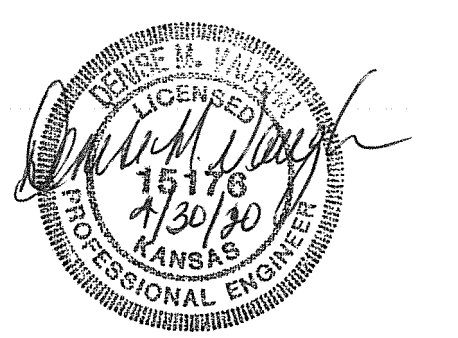
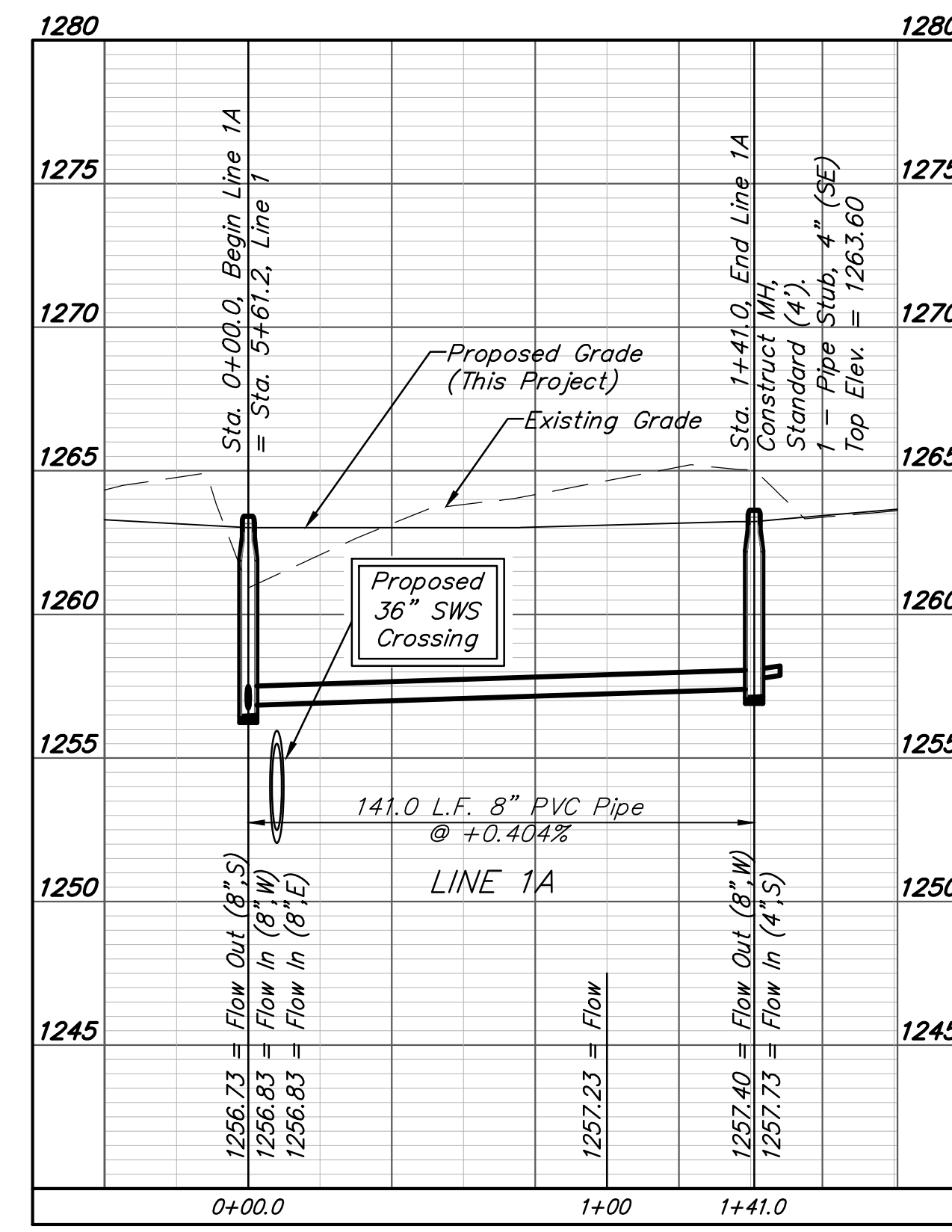
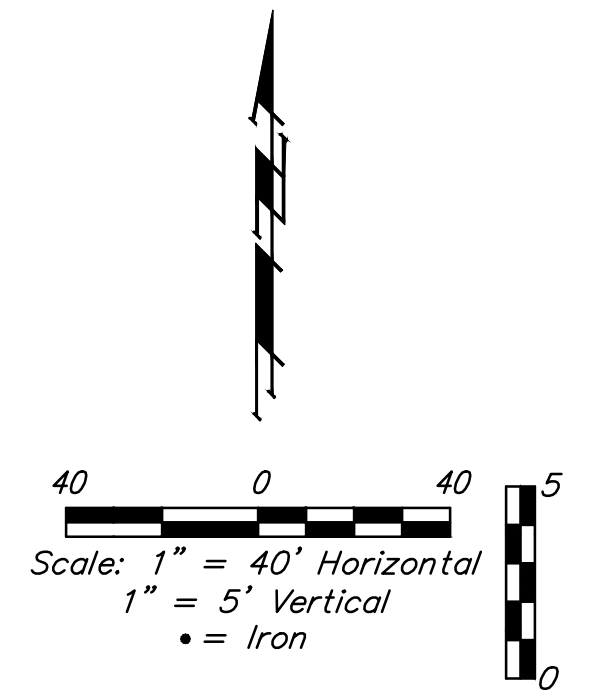
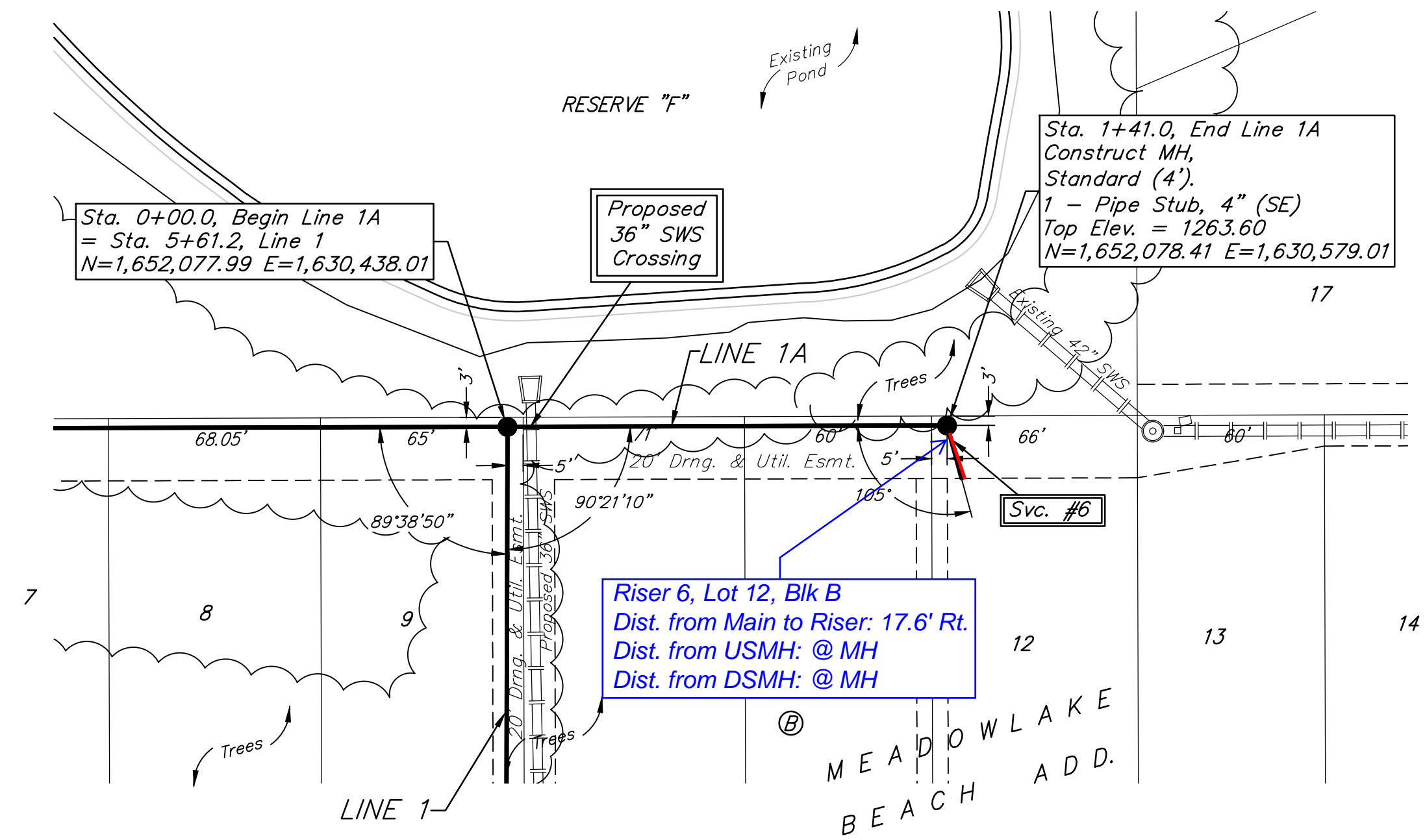
SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION			STATION \ DIRECTION	FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.		APPROXIMATE LENGTH 4" PIPE	VERTICAL
6	4" Stub	12	B	1A	1+41.0/Rt.	-	17.6'

NOTE: Vertical Riser Pipe shall be extended to 2' minimum above ground water elevation and 4' maximum below proposed ground elevation.

Trees in conflict with sewer construction to be removed by contractor. To be paid for as lump sum bid item "Site Clearing"

All other trees shall remain and be protected from damage during construction. Overhanging limbs shall be trimmed by the Contractor using a chain saw only as necessary for construction and with approval of the Engineer. Cost of tree trimming to be included in bid item "Site Clearing"

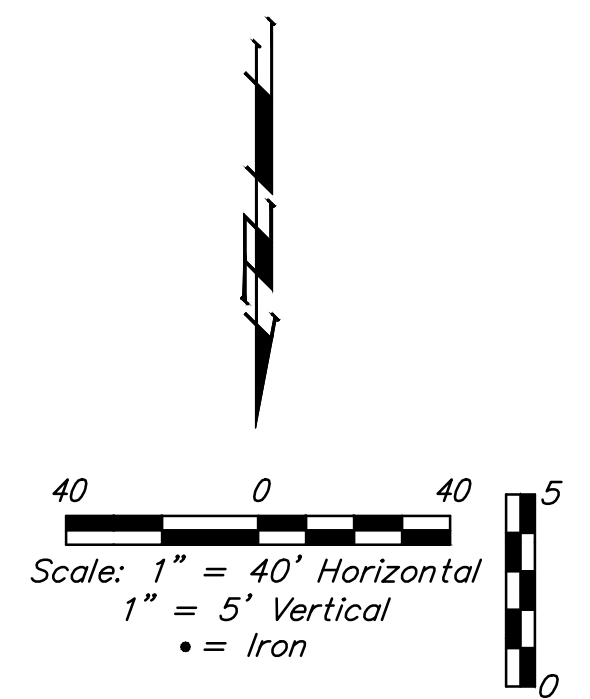
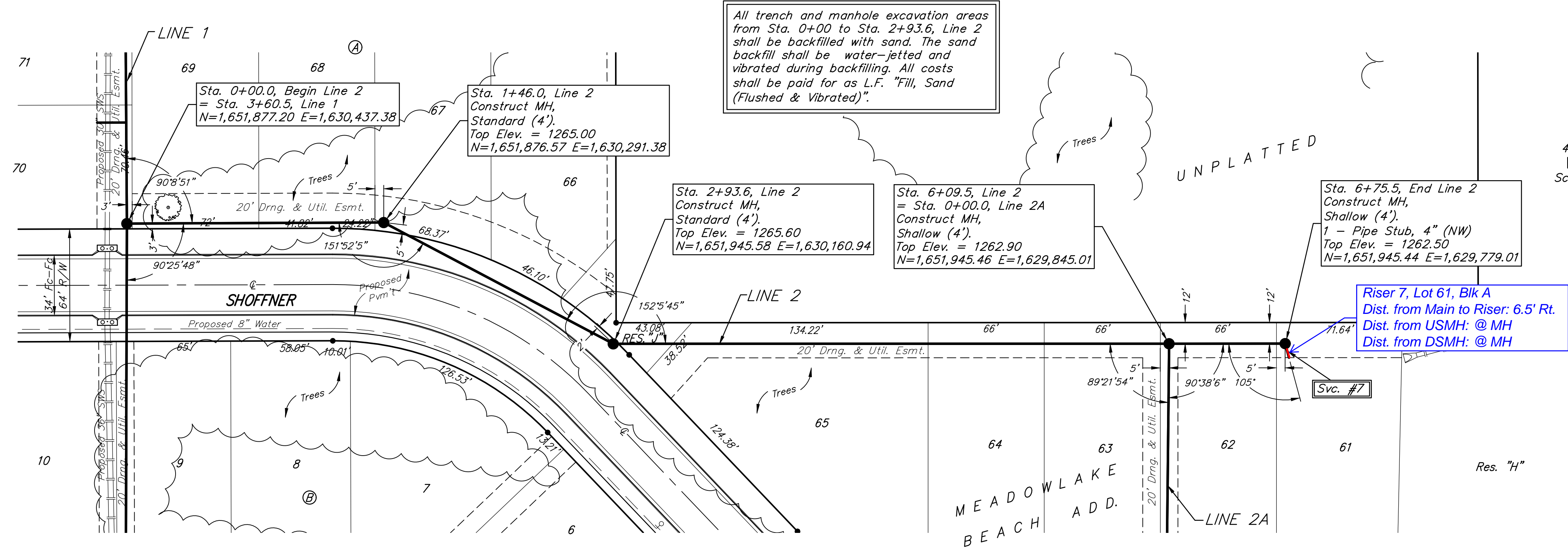


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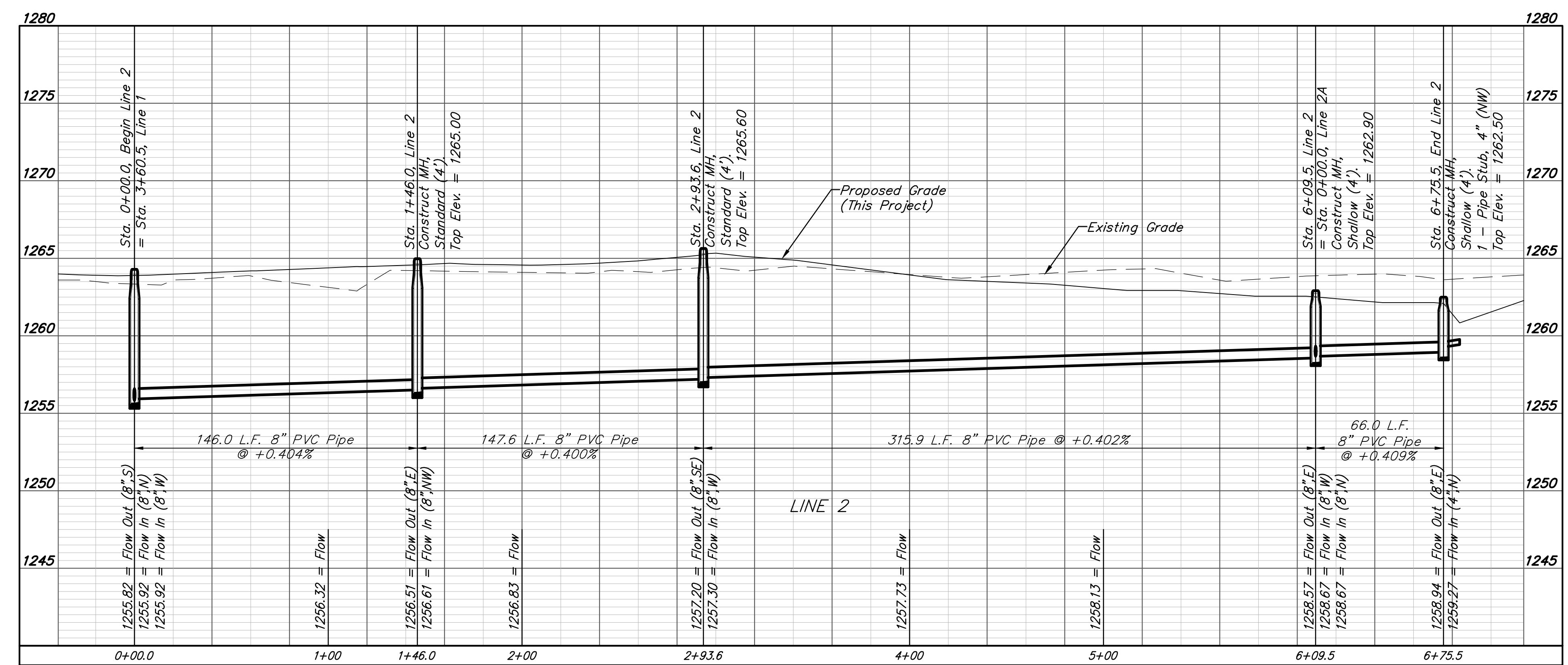
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		LOT NO.	BLOCK NO.	LINE NO.		APPROXIMATE LENGTH 4" PIPE	VERTICAL
7	4" Stub	61	A	2	6+75.5/Rt.	-	8.0'

NOTE: Vertical Riser Pipe shall be extended to 2' minimum above ground water elevation and 4' maximum below proposed ground elevation.



Professional Engineer Seal for Dennis H. Baughman, License No. 15178, dated 7/30/80, State of Kansas.

Baughman Company, P.A.
 ENGINEERING, ARCHITECTURE, PLANNING, LANDSCAPE ARCHITECTURE
 15178
 7/30/80
 KANSAS
 PROFESSIONAL ENGINEER

MEADOWLAKE BEACH ADD. - PH. 3A
LINE 2
 SANITARY SEWER IMPROVEMENTS

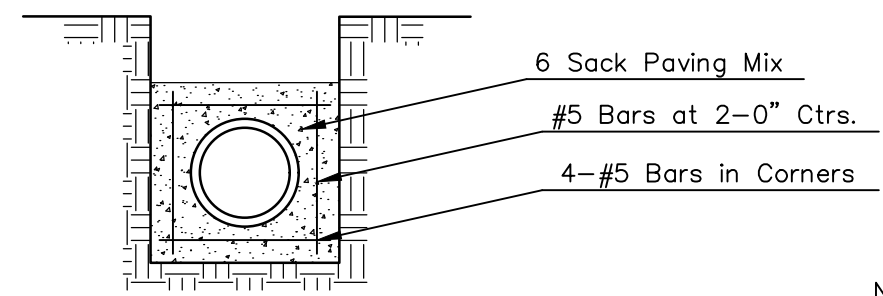
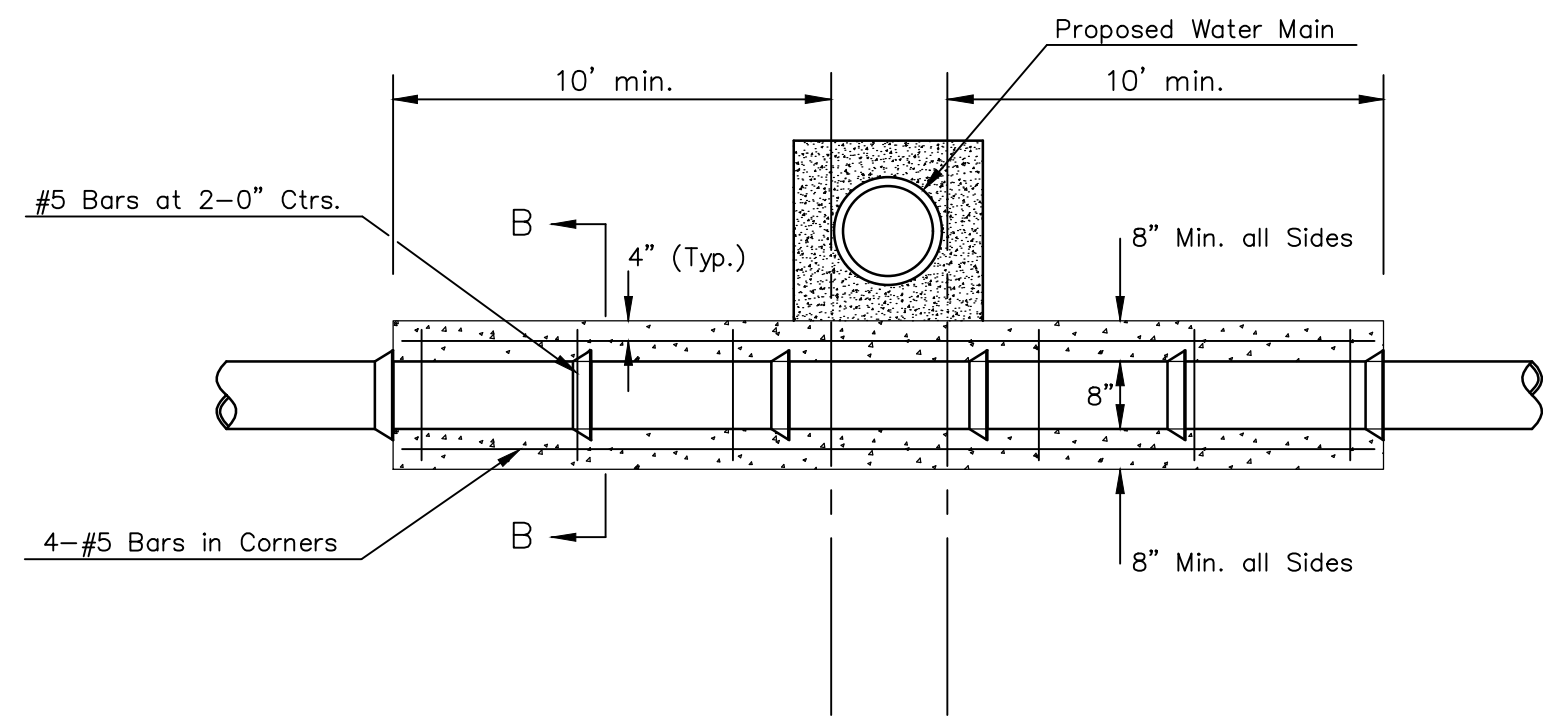
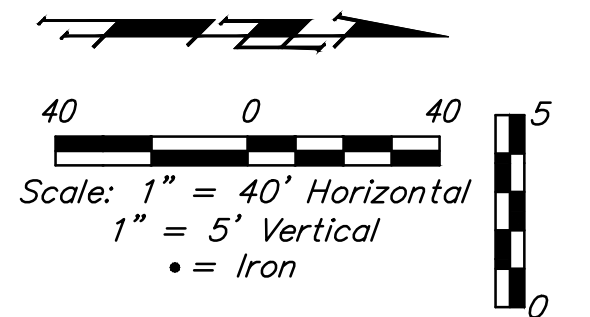
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All trench and manhole excavation areas from Sta. 1+80.4 to Sta. 3+50.9, Line 2A shall be backfilled with sand. The sand backfill shall be water-jetted and vibrated during backfilling. All costs shall be paid for as L.F. "Fill, Sand (Flushed & Vibrated)".

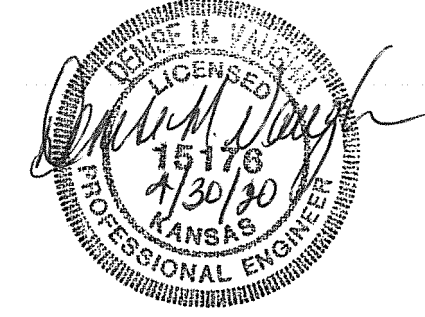
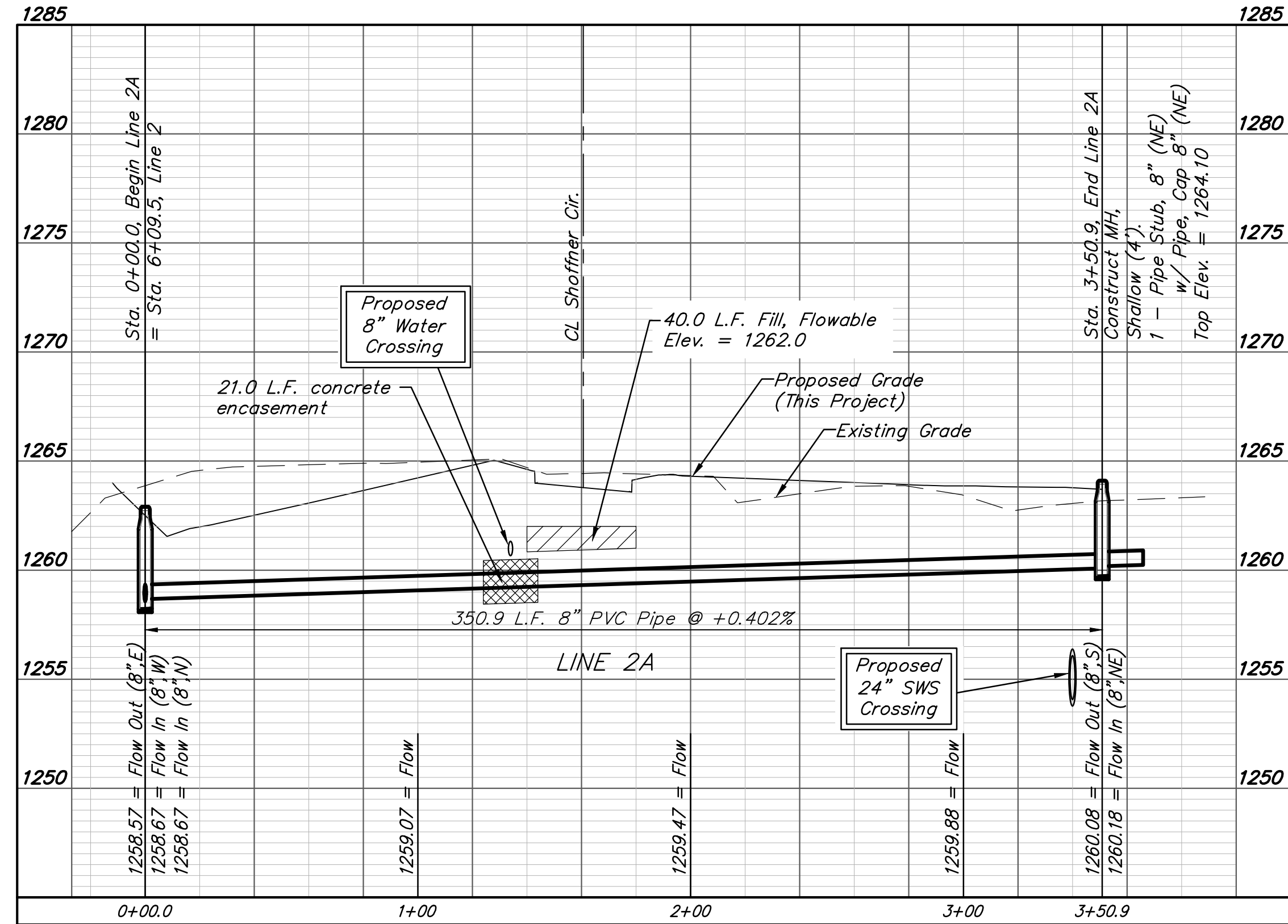
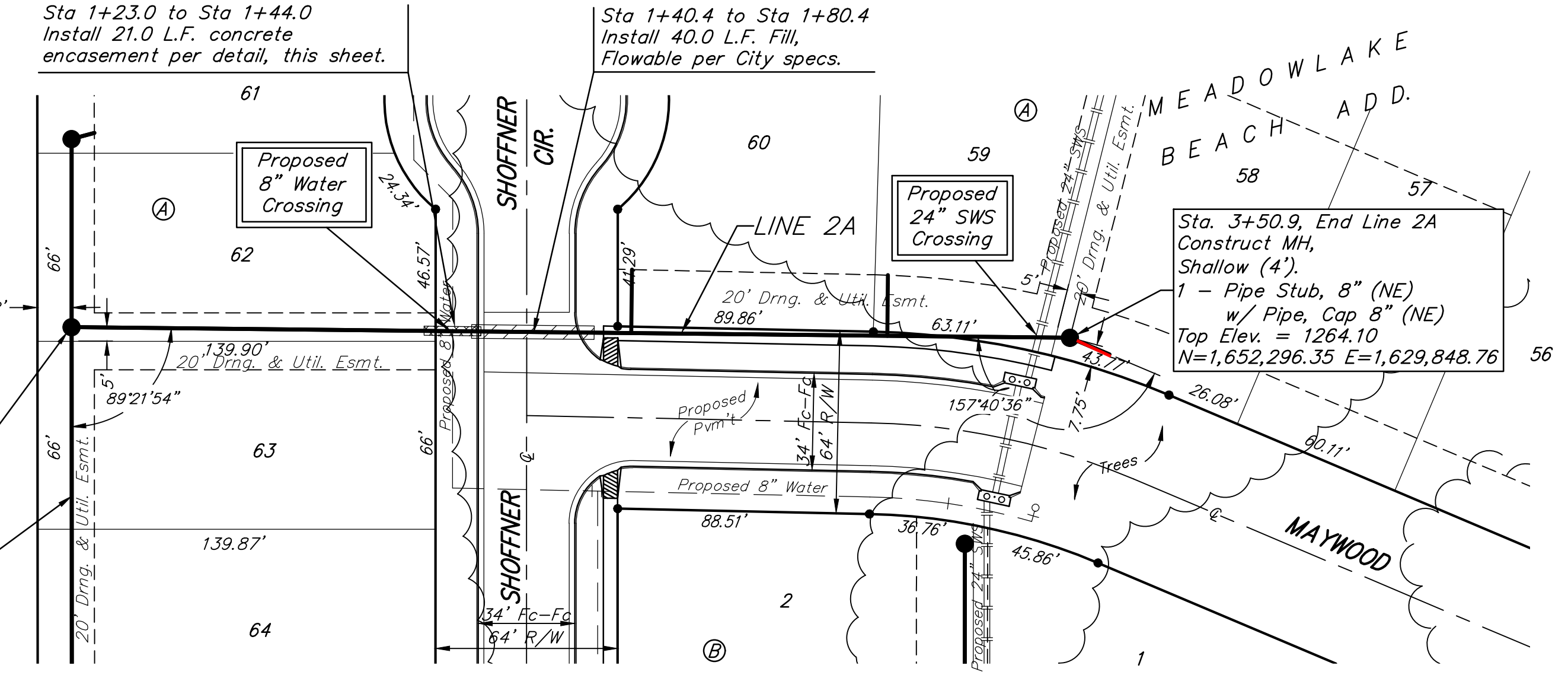


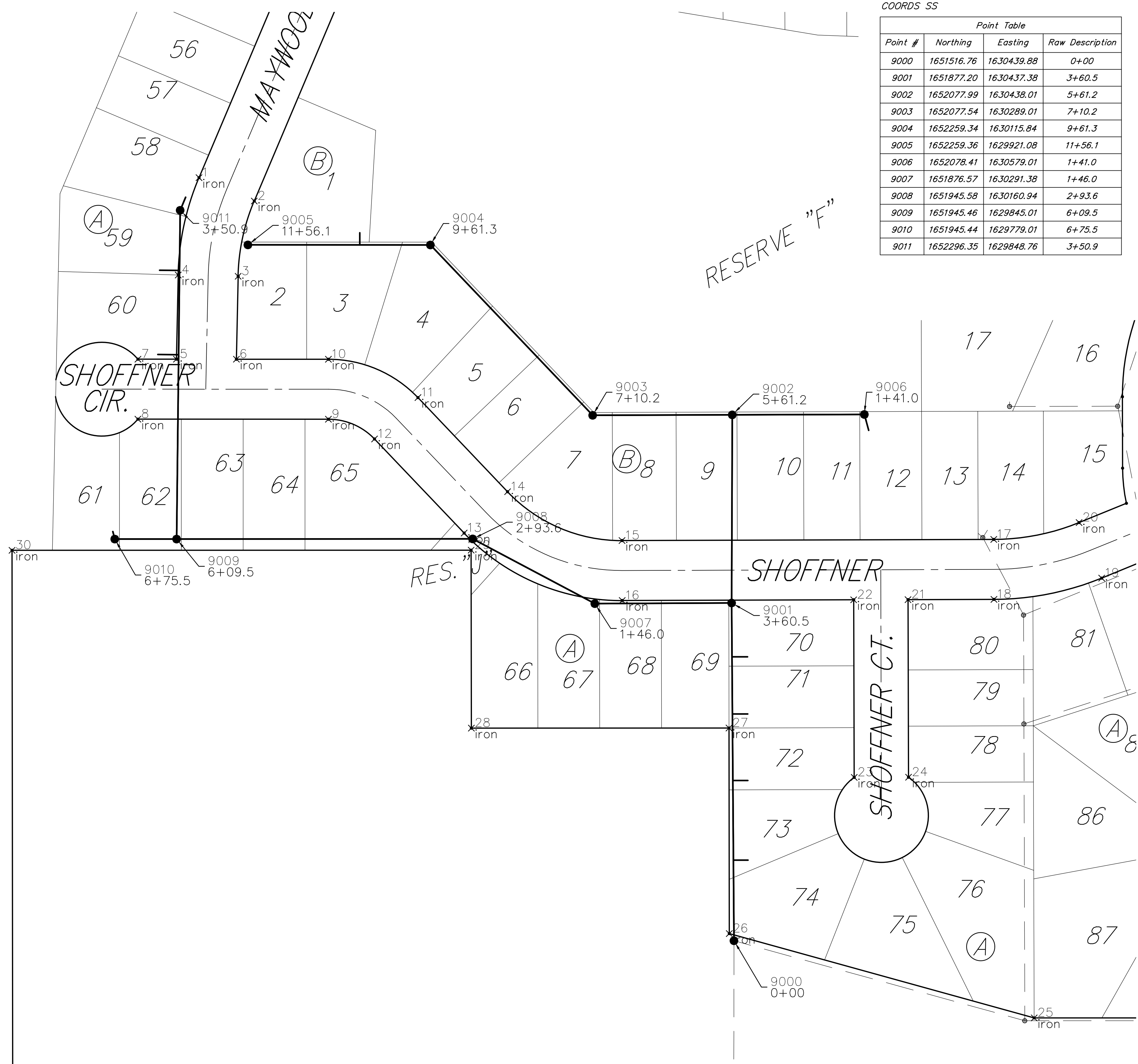
Note: Encasement to begin and end at a Bell on Sanitary Sewer Pipe.

REINFORCED CONCRETE ENCASEMENT OF SANITARY SEWER

UNPLATTED

Sta. 0+00.0, Begin Line 2 = Sta. 6+09.5, Line 2
 N=1,651,945.46 E=1,629,845.01





COORDS SS

Point Table			
Point #	Northing	Easting	Raw Description
9000	1651516.76	1630439.88	0+00
9001	1651877.20	1630437.38	3+60.5
9002	1652077.99	1630438.01	5+61.2
9003	1652077.54	1630289.01	7+10.2
9004	1652259.34	1630115.84	9+61.3
9005	1652259.36	1629921.08	11+56.1
9006	1652078.41	1630579.01	1+41.0
9007	1651876.57	1630291.38	1+46.0
9008	1651945.58	1630160.94	2+93.6
9009	1651945.46	1629845.01	6+09.5
9010	1651945.44	1629779.01	6+75.5
9011	1652296.35	1629848.76	3+50.9

COORDS IRON

Point Table			
Point #	Northing	Easting	Raw Description
1	1652331.10	1629868.90	iron
2	1652306.16	1629927.84	iron
3	1652225.85	1629910.65	iron
4	1652227.21	1629846.67	iron
5	1652137.37	1629844.75	iron
6	1652137.36	1629908.76	iron
7	1652137.37	1629803.66	iron
8	1652073.37	1629803.66	iron
9	1652073.35	1630006.99	iron
10	1652137.35	1630007.00	iron
11	1652096.39	1630102.56	iron
12	1652052.25	1629056.22	iron
13	1651951.83	1630151.87	iron
14	1651995.98	1630198.21	iron
15	1651943.85	1630320.36	iron
16	1651879.85	1630320.55	iron
17	1651945.05	1630717.14	iron
18	1651881.05	1630717.33	iron
19	1651903.77	1630832.33	iron
20	1651963.03	1630808.16	iron
21	1651880.77	1630625.60	iron
22	1651880.60	1630567.60	iron
23	1651691.06	1630568.17	iron
24	1651691.23	1630626.17	iron
25	1651434.36	1630760.26	iron
26	1651524.37	1630434.85	iron
27	1651743.73	1630434.56	iron
28	1651743.63	1630159.56	iron
29	1651933.58	1630159.31	iron
30	1651933.40	1629669.31	iron

