

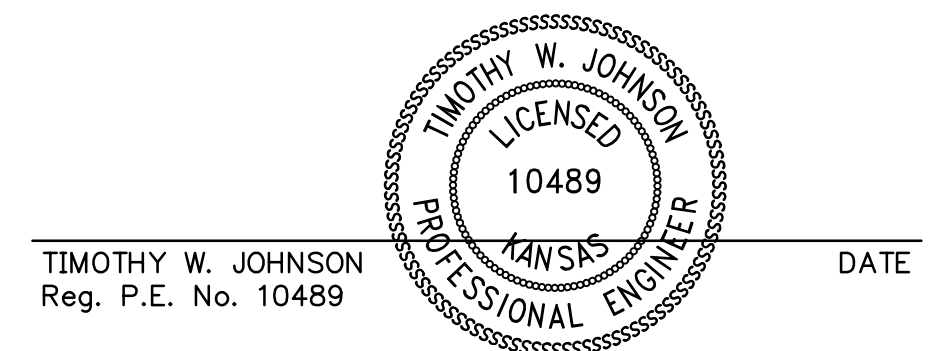
# CONSTRUCTION PLANS FOR PUBLIC IMPROVEMENTS PHASE 2 PACKAGE 2

## W I C H I T A WATERWALK

**OCA NO. 792424 / 635674 / 622102**

**CITY OF WICHITA PROJECT NO. 472-84135 / 448-90193 / 468-84184**

**CITY OF WICHITA, KANSAS  
JAMES L. ARMOUR, P.E. - CITY ENGINEER**



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- EC2.3 Standard Details
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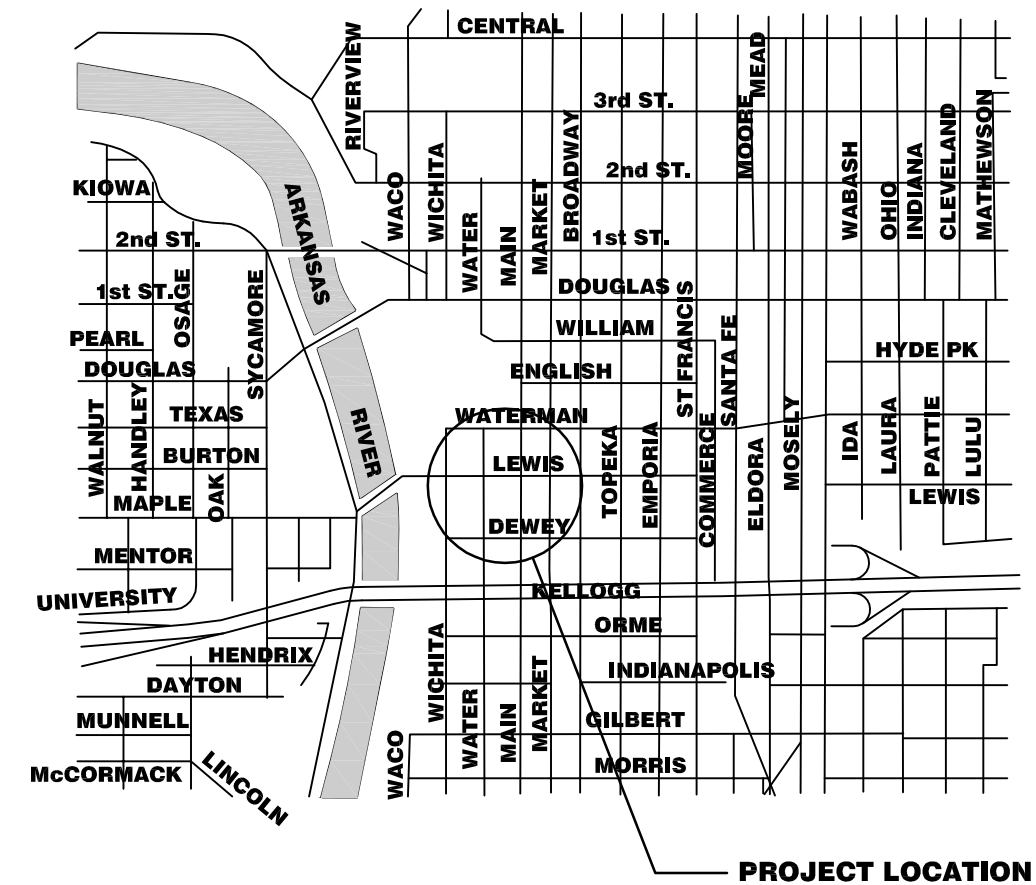
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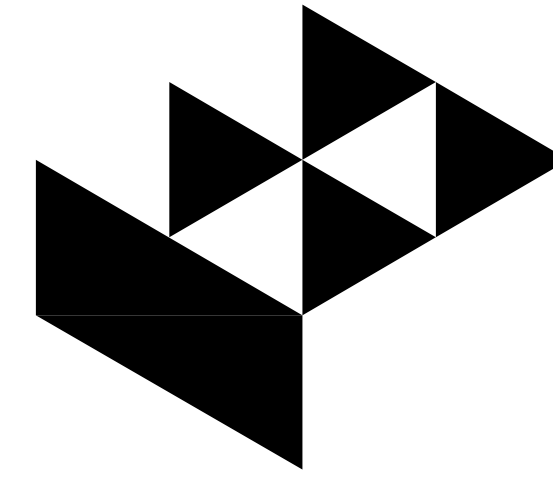
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- X1 Street Cross-Sections - Waterman
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- X1 Street Cross-Sections - Waterman
- X1 Street Cross-Sections - Waterman
- X1 Street Cross-Sections - Water
- X1 Street Cross-Sections - Water
- X1 Street Cross-Sections - Water
- X1 Street Cross-Sections - Wichita
- X1 Street Cross-Sections - Waterwalk Place



LOCATION MAP

## MAY 2006

**PLANS PREPARED BY**



**GossenLivingston**  
Architecture  
420 South Emporia  
Wichita, KS 67202



Johnson & Associates, Inc.  
100 E. California Ave. - Third Floor  
Oklahoma City, OK 73104

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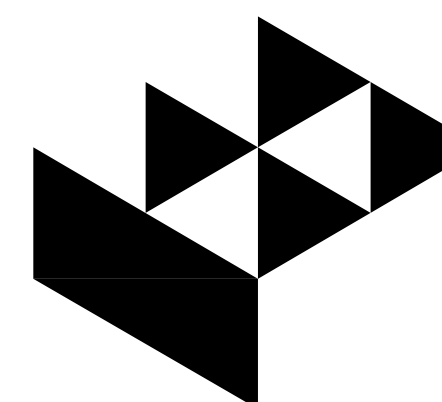
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WB Carter Construction, Co. - Contractor  
Mike Foster - City of Wichita, Inspector  
Date Released: 8/18/07  
As-Built  
pdf: APR 12/30/08



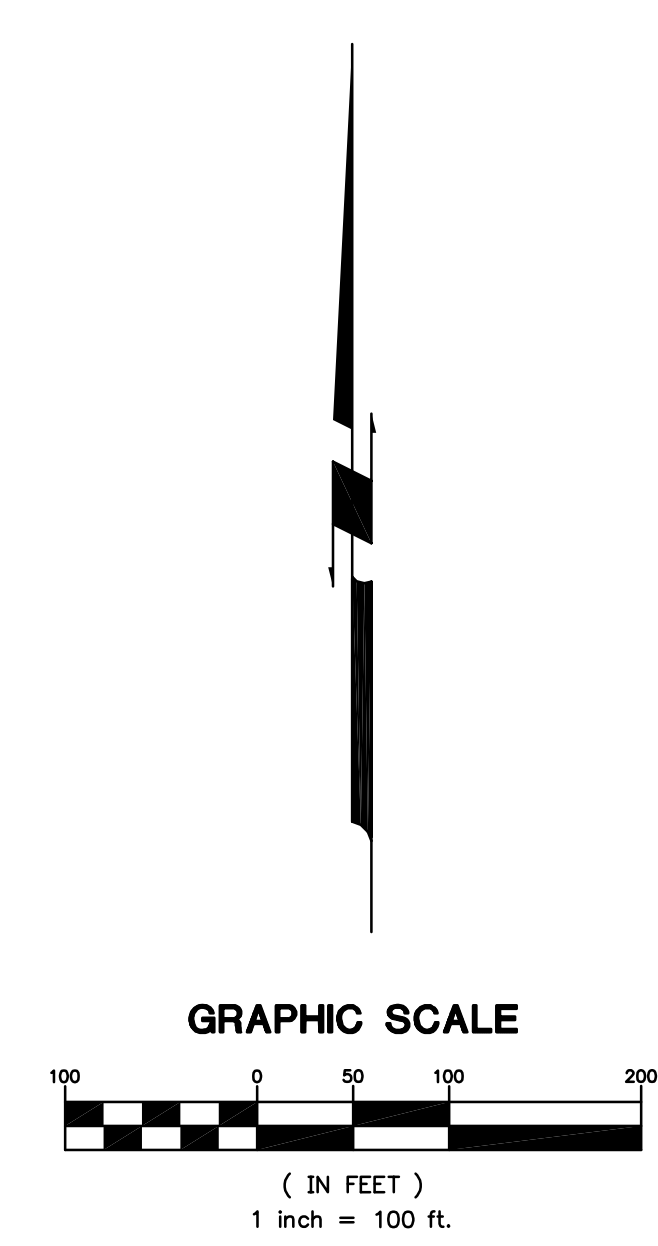
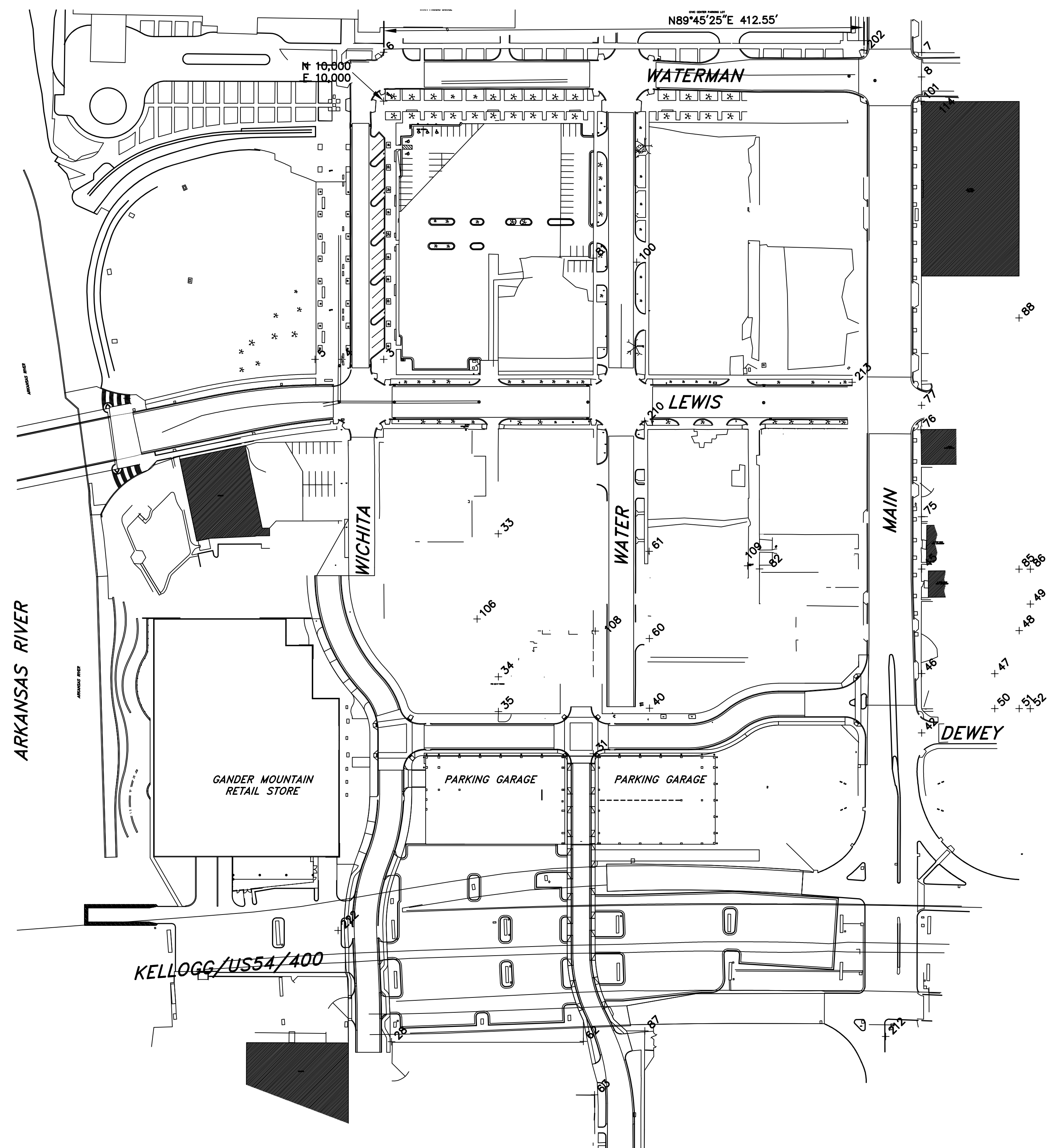
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 Architecture  
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 Tel: (316) 265-9367  
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 (405) 235-8075 FAX (405) 235-8078  
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Original Bench Mark:  
 Source: City of Wichita, NAVD 88  
 Bench Mark #1  
 Elevation: 1317.08 Feet  
 Description: Located 10.4 feet South of the Northwest Corner of the old union train station, 28 feet east of the east rail of the track, 2.3 feet above the ground, 3.5 rails south of the centerline of the Douglas Avenue viaduct, set vertically in the West wall of the Building.  
 Object: Found Brass Monument stamped "A-237-1934"

Project Site Control

Number	Northing	Easting	Elevation	Description
1	10000.000	10000.000	1296.88	Cut x
3	9630.128	10000.249	1297.31	Cut x
4	9630.074	9940.287	N/A	Cut x
5	9630.048	9901.825	N/A	#4 Mid Kansas Cap
6	10069.918	10000.047	N/A	Cut x
7	10069.688	10770.251	N/A	2" Open End Iron Pipe
8	10034.559	10770.139	N/A	Metal in Thimble
9	10034.302	11072.766	N/A	Conc Nail in Shiner
10	10034.232	11142.779	N/A	#4 Bar in Thimble
28	8652.805	10011.332	N/A	Cut x
33	9380.228	10164.195	N/A	1" Open End Iron Pipe
34	9175.526	10164.369	N/A	1" Open End Iron Pipe
35	9125.534	10164.378	N/A	1" Open End Iron Pipe
40	9130.423	10380.603	N/A	1" Open End Iron Pipe
42	9095.086	10770.317	N/A	#4 Mid Kansas Cap in Thimble
43	9094.803	11072.393	N/A	Cut x
44	9094.696	11142.694	N/A	#4 Mid Kansas Cap in Thimble
45	9329.722	10770.296	N/A	Cut v
46	9180.028	10770.289	N/A	#4 Mid Kansas Cap
47	9179.968	10874.938	N/A	#4 LS#39 Cap
48	9241.681	10909.901	N/A	Cut x
49	9279.580	10926.043	N/A	1.5" Open End Iron Pipe
50	9129.930	10874.922	N/A	#4 LS#39 Cap
51	9129.957	10909.951	N/A	#4 MKEC Cap
52	9129.834	10925.862	N/A	#4 MKEC Cap
53	9094.192	11442.357	N/A	Cut x
54	9094.378	11517.419	N/A	1" Open End Iron Pipe in Thimble
55	9094.342	11107.320	N/A	Cut x
56	8760.528	11472.074	N/A	#5 MKEC Cap
57	10037.237	11517.333	N/A	Thimble
60	9230.287	10380.491	N/A	1" Open End Iron Pipe
61	9355.132	10380.248	N/A	1" Open End Iron Pipe
62	8653.340	10286.011	N/A	1" Closed End Iron Pipe
63	8576.699	10302.052	N/A	#3 Bar
75	9404.578	10770.162	N/A	Cut x
76	9529.323	10769.115	N/A	Cut x
77	9564.334	10770.096	N/A	#4 Mid Kansas Cap in Thimble
78	9599.163	11072.777	N/A	Cut x
79	9594.178	11142.742	N/A	1.75" Bar in Conc in Thimble
81	9775.114	10299.958	N/A	1" Open End Iron Pipe
82	9329.951	10538.224	N/A	#6 Bar
83	9279.531	11072.757	N/A	#4 Baughman Cap
84	9329.273	11072.455	N/A	1.5" Open End Iron Pipe
85	9329.640	10909.880	N/A	#4 MKEC Cap
86	9329.566	10925.984	N/A	1.5" Open End Iron Pipe
87	8668.255	10373.982	N/A	#3 Broken Cap
88	9689.413	10909.740	N/A	Cut x
100	9769.294	10362.423	1297.34	BM Cut x
101	10000.034	10769.525	1298.80	BM Cut x
106	9258.327	10133.787	1296.41	BM Mag Nail in Parking Stripe
108	9240.928	10303.080	1297.92	BM Cut x
109	9334.438	10521.089	1298.47	BM Mag Nail
114	10000.034	10769.525	1298.80	BM
202	10072.836	10687.890	1298.72	BM Cut x
210	9541.655	10373.762	N/A	Cut x
212	8660.201	10718.888	N/A	60d Nail CP
213	9597.261	10670.795	N/A	Cut x
214	8756.533	11246.260	N/A	60d Nail CP

WICHITA

# WATERWALK

## PUBLIC IMPROVEMENTS PHASE 2 PACKAGE 2

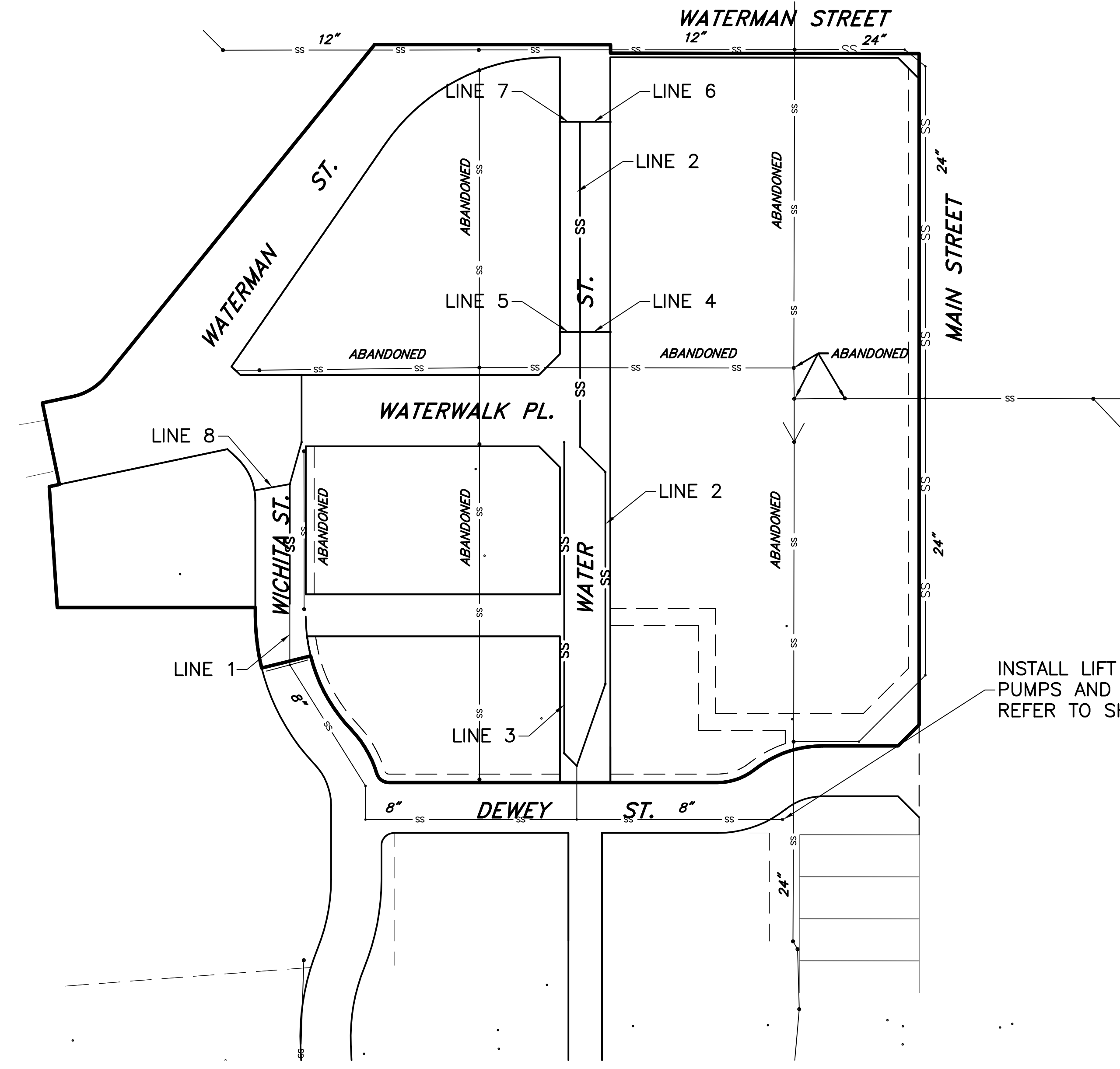
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	4.27.06	FIELD CHECK SET

**PROJECT CONTROL**

Job No.	05-30-06	<b>3.0</b> OF
Date	05-30-06	
Drawn	BC	<b>3</b>
Checked	PB	
		<b>3</b> of <b>96</b>

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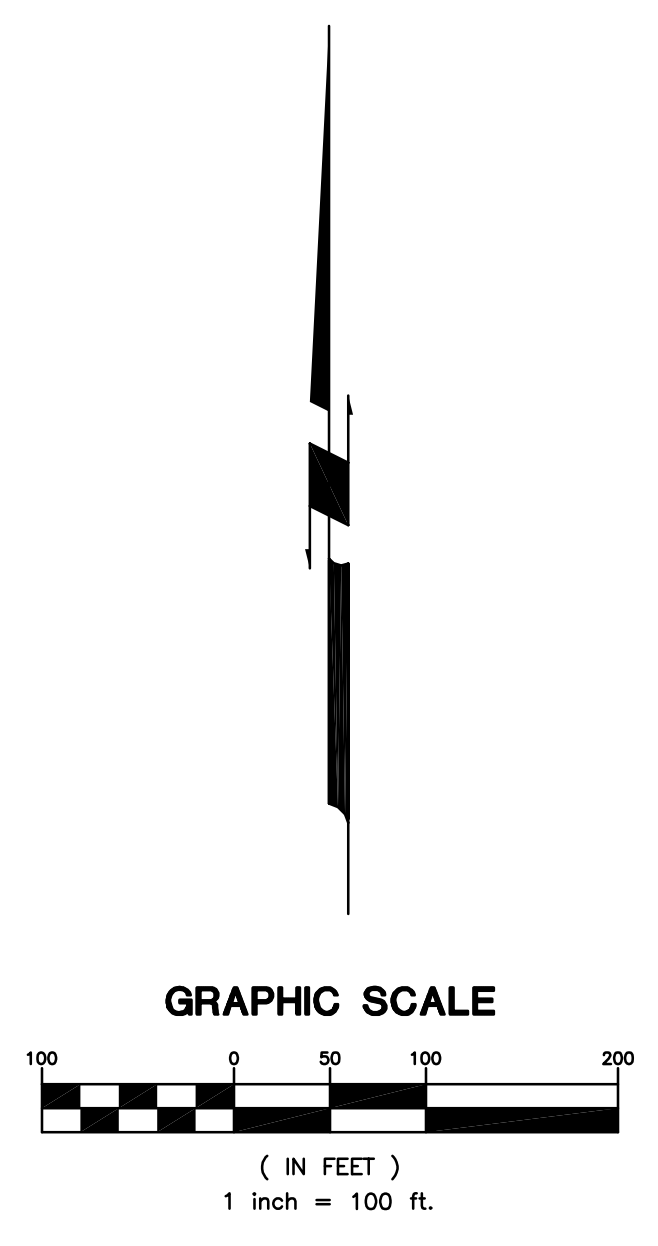
AR K A N S A S



### GENERAL NOTES

- The Contractor shall give all property owners and/or tenants of developed property abutting the project limits a minimum of ten (10) days advance notice prior to start of construction.
- The Contractor will be required to contact Kansas One Call at 687-2470 to request the local utility companies to mark any existing lines within the project limits a minimum of forty-eight (48) hours prior to any excavation or working.
- Existing utilities and their locations, as shown on the plan, represent the best information obtainable for design. The Contractor shall be aware that construction will occur in close proximity to existing utilities, and any conflicts with such utilities shall be reported to the Engineer.
- All project waste including any trees, milled asphalt, rubble from miscellaneous structures, abandoned pipes, excess excavation & etc. 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 that, in the opinion of the Engineer, 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.
- Prior to bidding the project, each bidder shall visit the site and satisfy himself of surface & subsurface conditions. Each bidder shall also fully inform himself as to the extent of the scope of work to be performed. Each bidder shall also be aware that no additional compensation will be awarded for extra work that should have been evaluated prior to bidding.
- The Contractor shall not start work on the Project until the Project Inspector is assigned and is present on site. Any work done without inspection will be required to be uncovered for inspection.
- Rock bedding  
If ground water is found in the sewer trench, the Contractor shall be required to add a rock bedding layer as per the City of Wichita sanitary sewer installation specifications. The cost for the bedding layer shall be considered subsidiary to the pipe installation and not be bid or paid for separately.
- Contractor shall be responsible for implementing erosion control methods during construction to prevent unnecessary silt/sediment discharge through downstream properties and/or storm sewer systems. Contractor shall install and maintain erosion controls as directed by the Engineer. These controls may include but are not limited to: hay bales, silt fences, temporary mulching or other controls necessary to inhibit sediment runoff during construction. See Erosion Control Details.
- The Contractor shall restore all ditches, swales, and banks to their original slopes and grades. Where existing entrance pipes, drainage pipes, fences, signs, etc. conflict with the proposed work herein, they shall be removed and reset unless otherwise indicated on the plans. Replacement of such items including seeding, fertilizer, and mulching shall be incidental to the L.S. Bid Item "Site Restoration".
- The Contractor shall reseed all areas disturbed by construction with a mixture of Rye grass (applied at a rate of 200 lbs. per acre) and Fescue grass (applied at a rate of 100 lbs. per acre). Pure Nitrogen fertilizer shall also be applied at a rate of 1.5 lbs. per thousand square feet. The seed shall be watered with deep soaking every two (2) weeks during dry periods until a mature stand of grass is obtained. Temporary Seeding may be omitted if planted corps across agricultural land takes precedence over seeding measures. All costs for this work shall be incidental to "Site Restoration".
- Trees and shrubs in the public right-of-way which are in direct conflict with the proposed construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with the proposed construction shall be saved and protected from damage. Tree Removal shall be incidental to "Site Clearing and Preparation".
- The Contractor shall comply with all applicable safety regulations and City of Wichita Specifications and Standards.
- Traffic Control  
The Contractor shall erect warning signs, flashing lights, and barricades in compliance with the Manual on Uniform Traffic Control Devices to ensure safety as directed in the general conditions. The length of trenches that will be allowed to remain open overnight and weekends shall be left to the discretion of the Engineer. Traffic Control shall not be paid for directly, but shall be considered incidental to other items in the Project.

INSTALL LIFT STATION PUMPS AND APPURTENANCES REFER TO SHT. SS3.1



REFER TO SHEET 3 FOR BENCHMARKS AND CONTROL DATUM.



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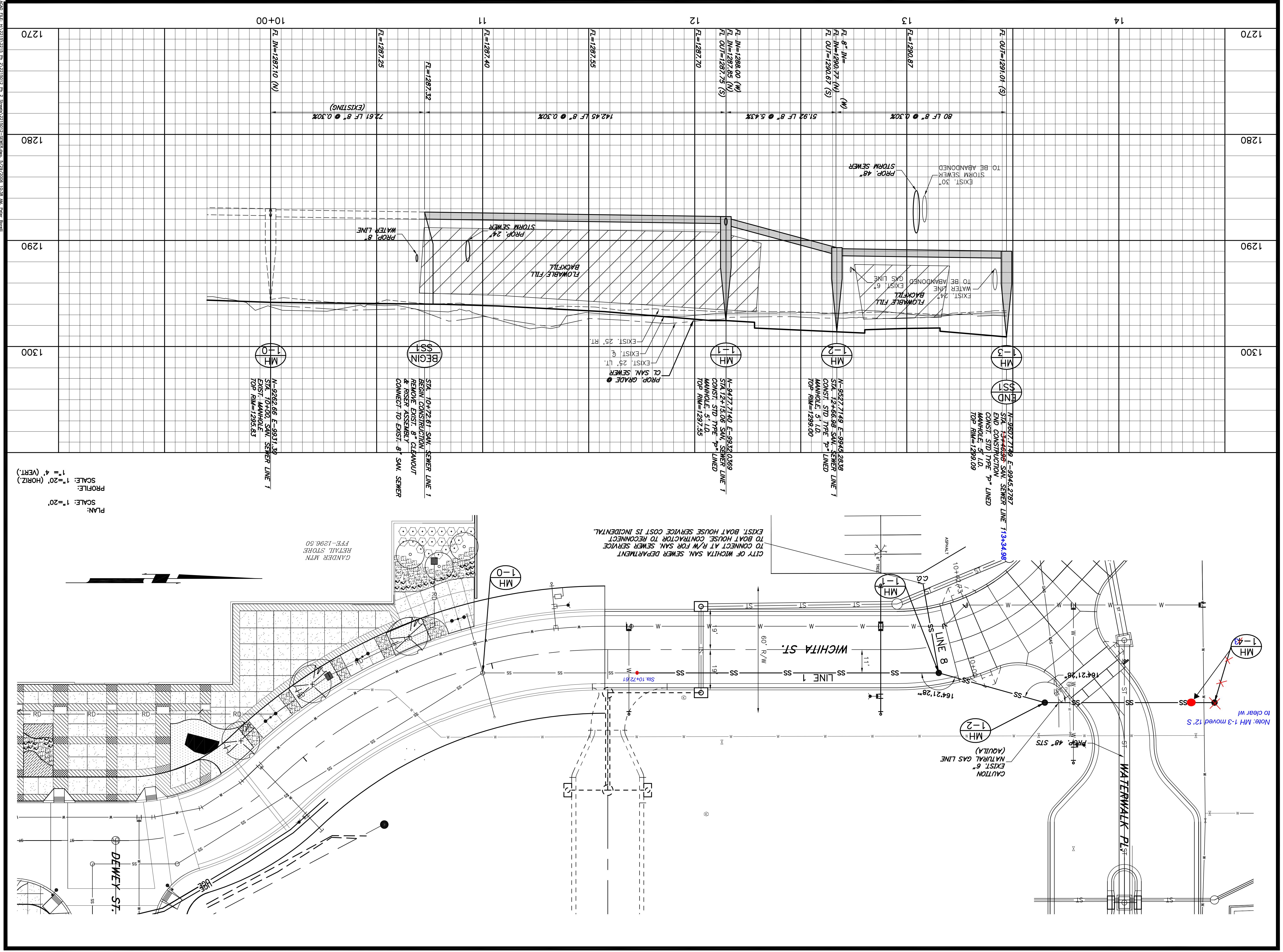
W I C H I T A  
**WATERWALK**  
**PUBLIC IMPROVEMENTS PACKAGE 2 PHASE 2**

05-30-06	BID SET
04-27-06	FIELD CHECK
Mark	Date: Description

#### KEY MAP & GENERAL NOTES

Job No.	SS1.0
Date	05-30-06
Drawn	BC
Checked	PB
	OF 6
	Dwg. 65 of 96

DRAWN BY: J. S. BROWN, CHECKED BY: J. S. BROWN, DATE: 05/27/06, 3:07 PM, PAPER: BROWN



PLAN: SCALE: 1"=20'  
 PROFILE: SCALE: 1"=4' (HORIZ.)  
 1"=20' (VERT.)

SS1.1	6	66	of	96
SS1.1	6	66	of	96

Mark	Date	Description
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	05.30.06	BID SET

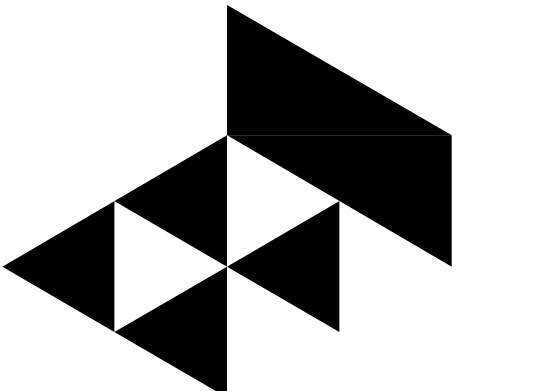
W I C H I T A  
**WATERWALK**  
 PUBLIC IMPROVEMENTS  
 PACKAGE 2  
 PHASE 2

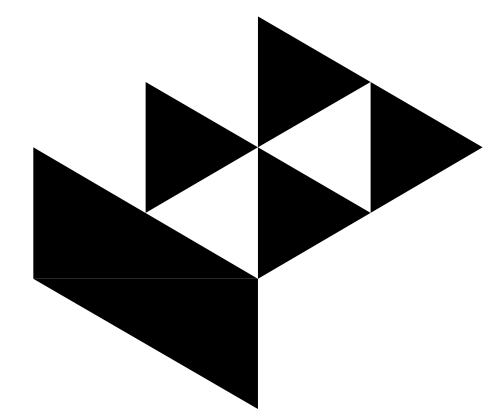
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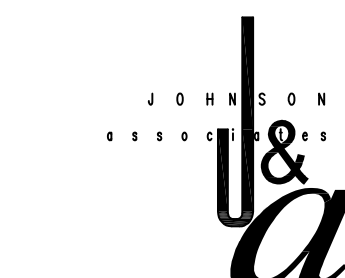
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 Email: architect@gl.com



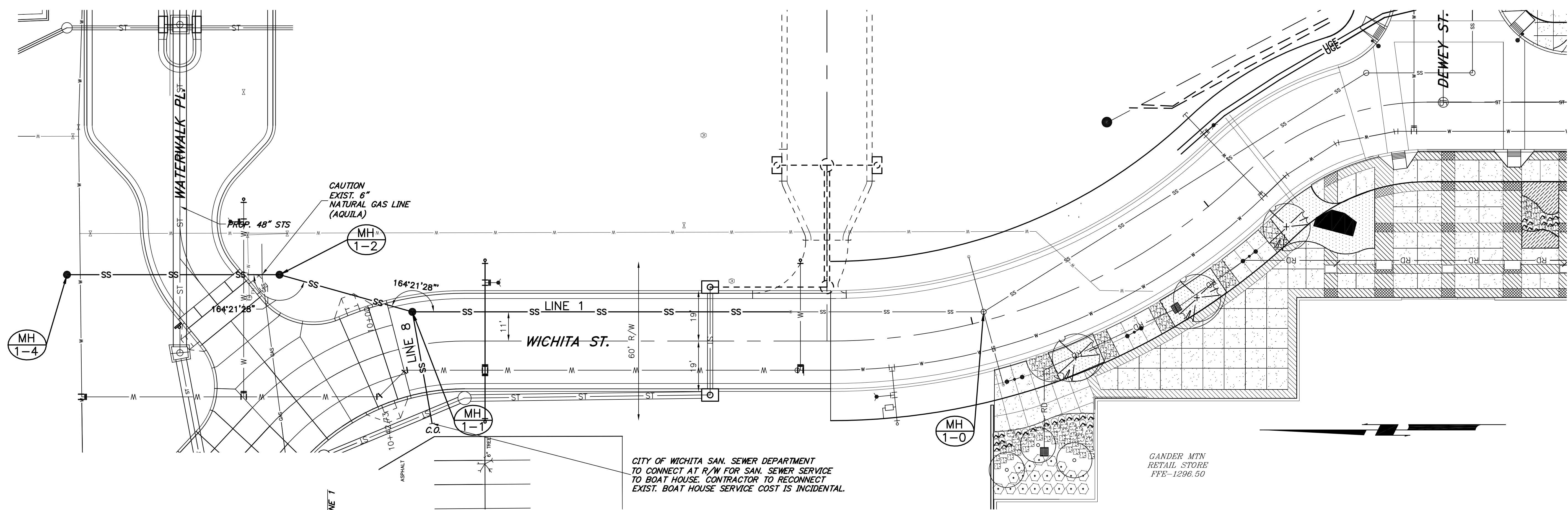


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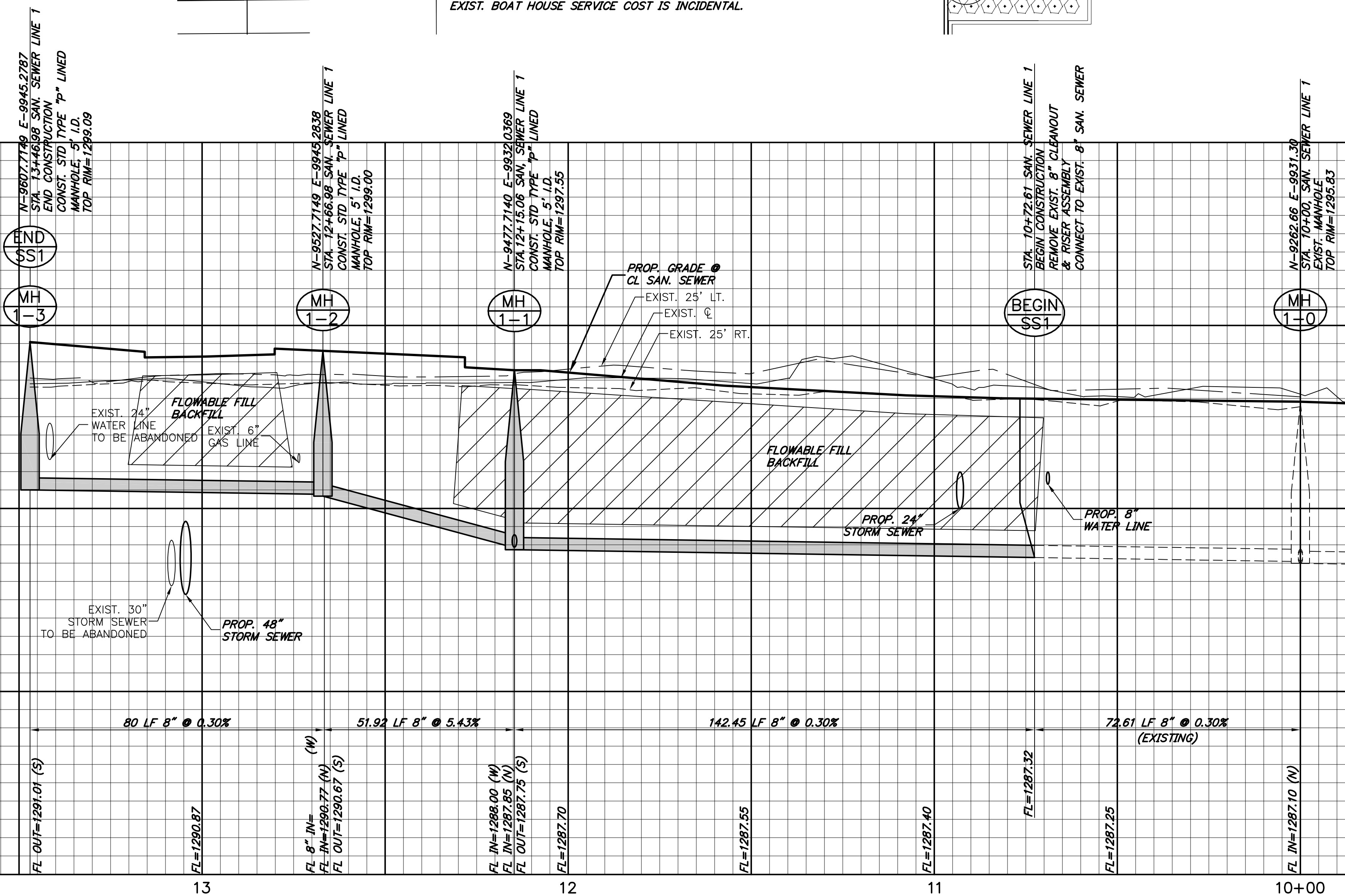


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CITY OF WICHITA SAN. SEWER DEPARTMENT  
 TO CONNECT AT R/W FOR SAN. SEWER SERVICE  
 TO BOAT HOUSE. CONTRACTOR TO RECONNECT  
 EXIST. BOAT HOUSE SERVICE COST IS INCIDENTAL.

GANDER MTN  
 RETAIL STORE  
 FFE-1296.50



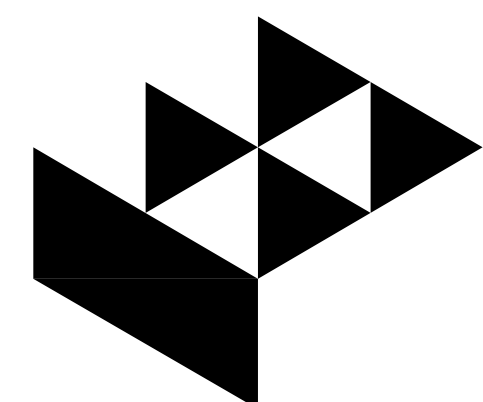
WICHITA  
**WATERWALK**  
 PUBLIC IMPROVEMENTS  
 PACKAGE 2  
 PHASE 2

Mark	Date	Description
1	05.30.06	BID SET
1	04.27.06	FIELD CHECK

**SANITARY SEWER LINE 1**

Job No.	05-30-06	<b>SS1.1</b> OF <b>6</b> Dwg. <b>66</b> of <b>96</b>
Date	05-30-06	
Drawn		
Checked		

12/21/2006 10:38 AM, Peter Rosen



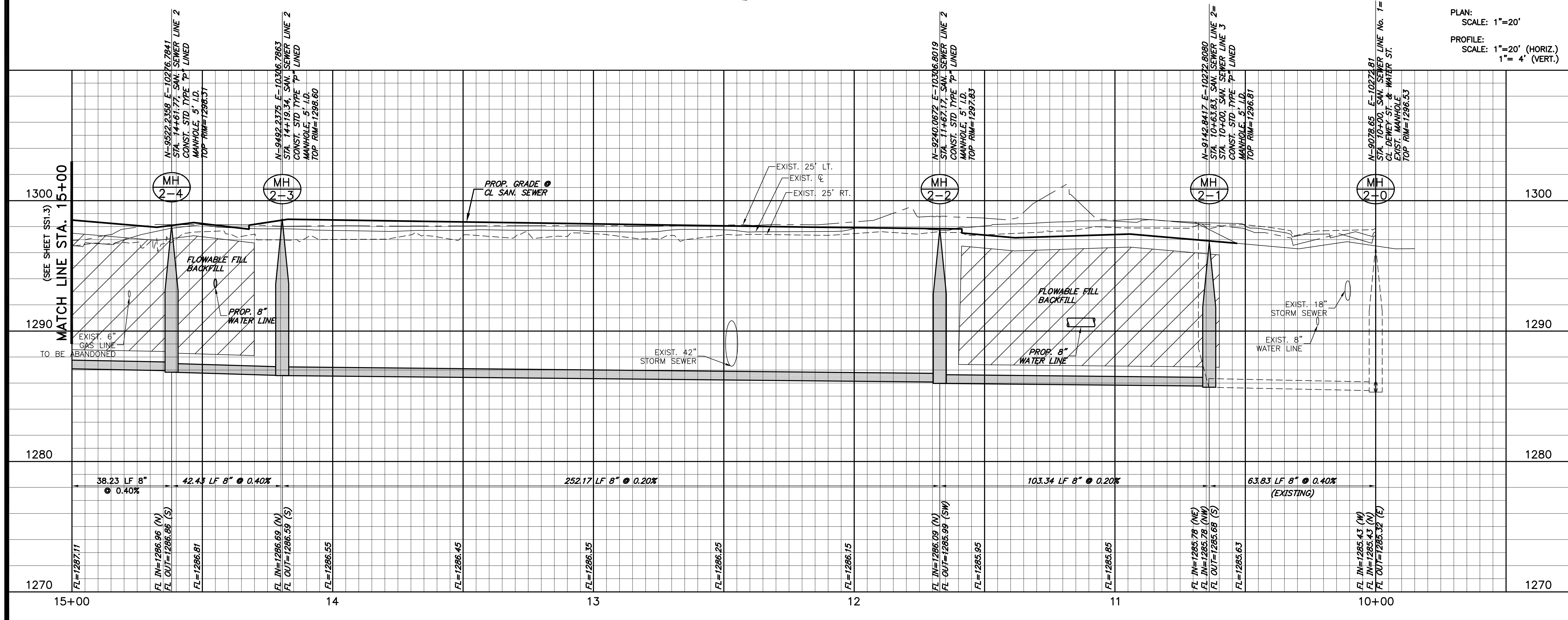
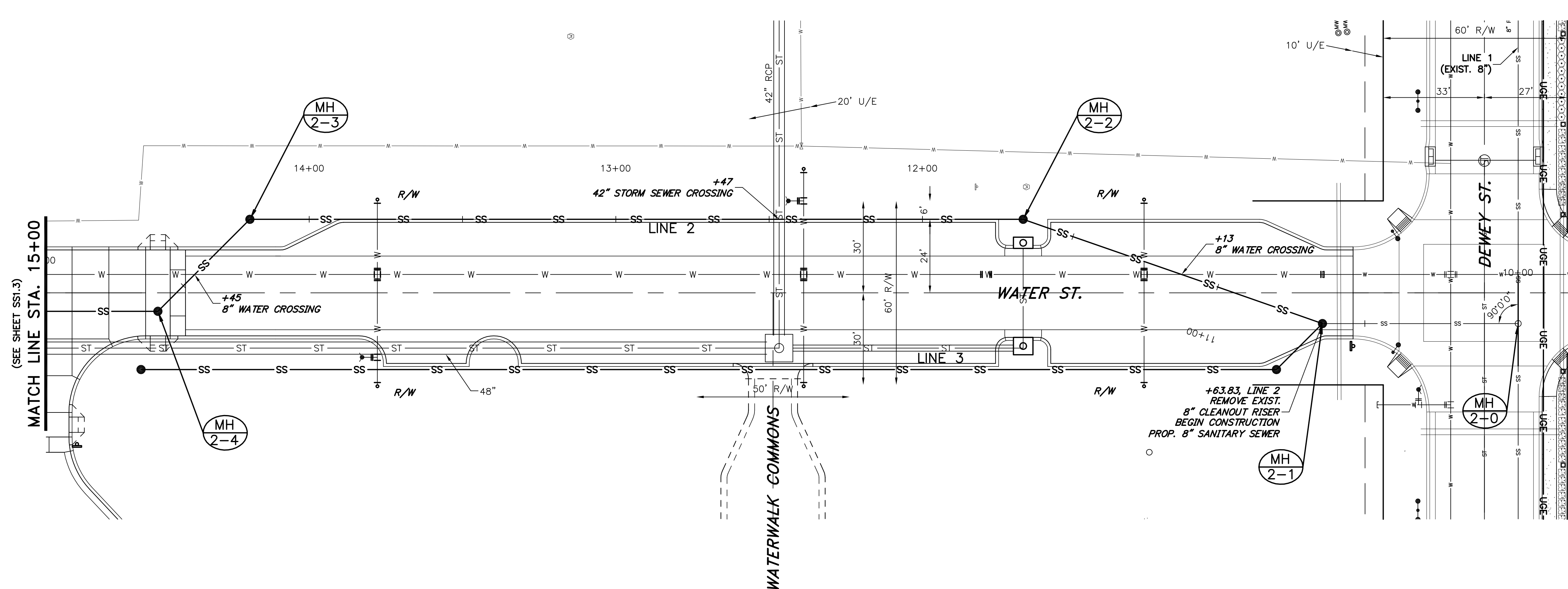
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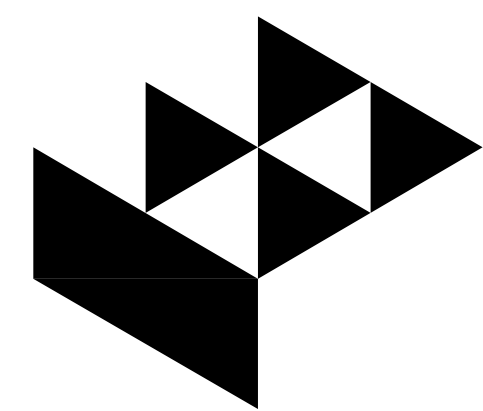
WICHLITA  
**WATERWALK**  
**PUBLIC IMPROVEMENTS PACKAGE 2 PHASE 2**

Mark	Date	Description
05.30.06		BID SET
1	04.27.06	FIELD CHECK

**SANITARY SEWER LINE 2**

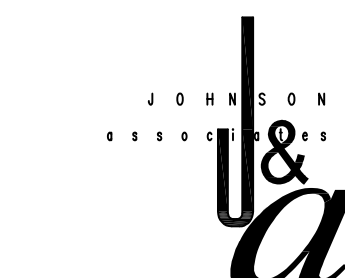
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Date	
Drawn	
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**SS1.2**  
 OF  
**6**  
 Drawn  
 Checked  
 Date: 05-30-06  
 Page: 67 of 96

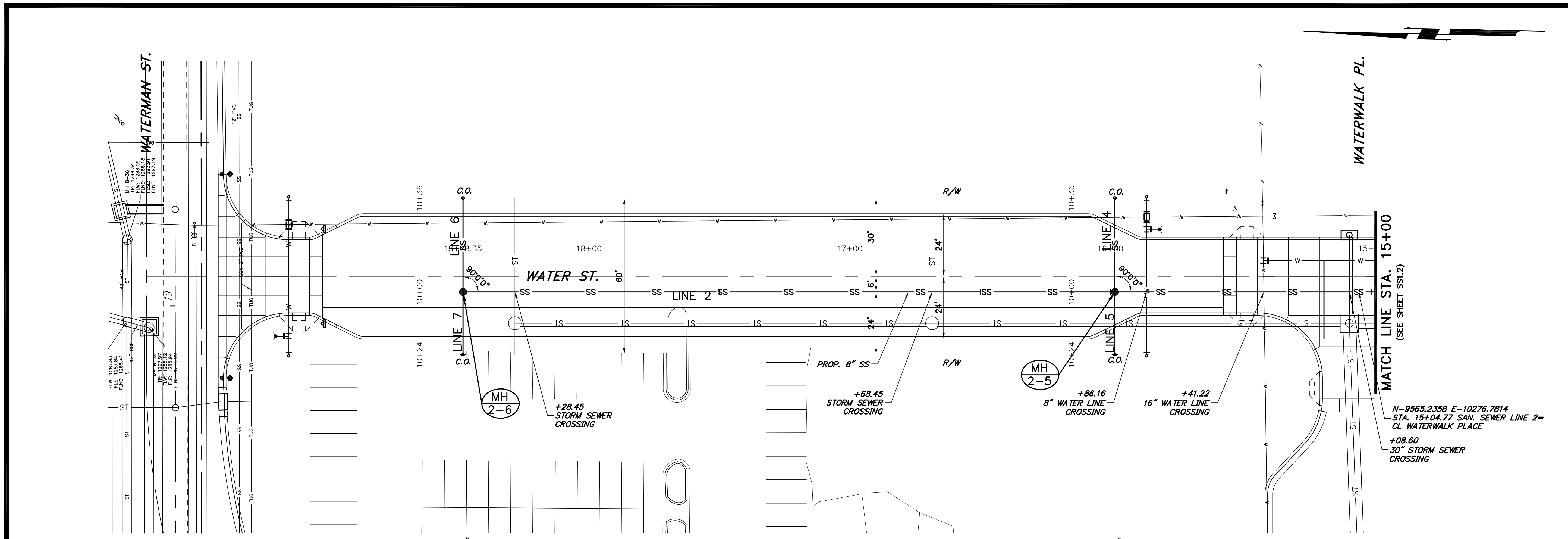


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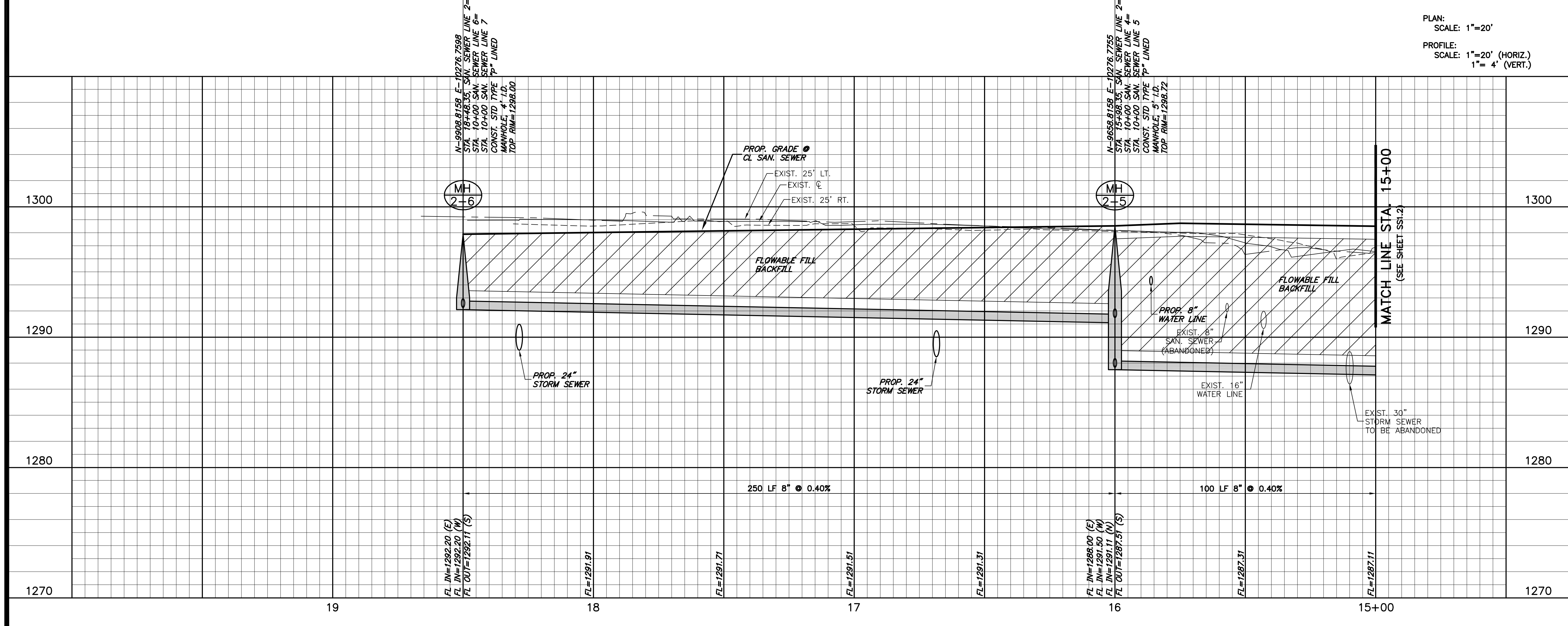
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 Certificate of Authorization #E-1128 EXP. DATE: 12-31-2006



PLAN:  
 SCALE: 1"=20'  
 PROFILE:  
 SCALE: 1"=20' (HORIZ.)  
 1"= 4' (VERT.)

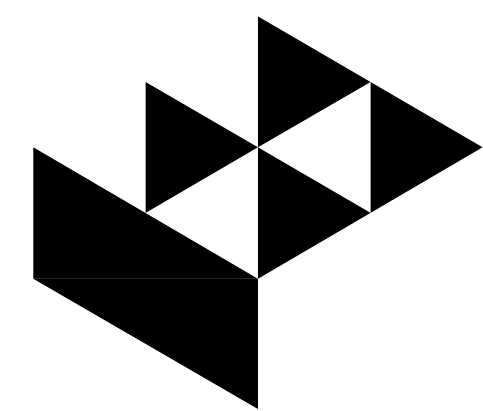


W I C H I T A  
**WATERWALK**  
**PUBLIC IMPROVEMENTS PACKAGE 2 PHASE 2**

Mark	Date	Description
1	05.30.06	BID SET
1	04.27.06	FIELD CHECK

**SANITARY SEWER LINE 2**

Job No.	05-30-06	<b>SS1.3</b> OF <b>6</b> Fig. <b>68</b> of <b>96</b>
Date	05-30-06	
Drawn		
Checked		



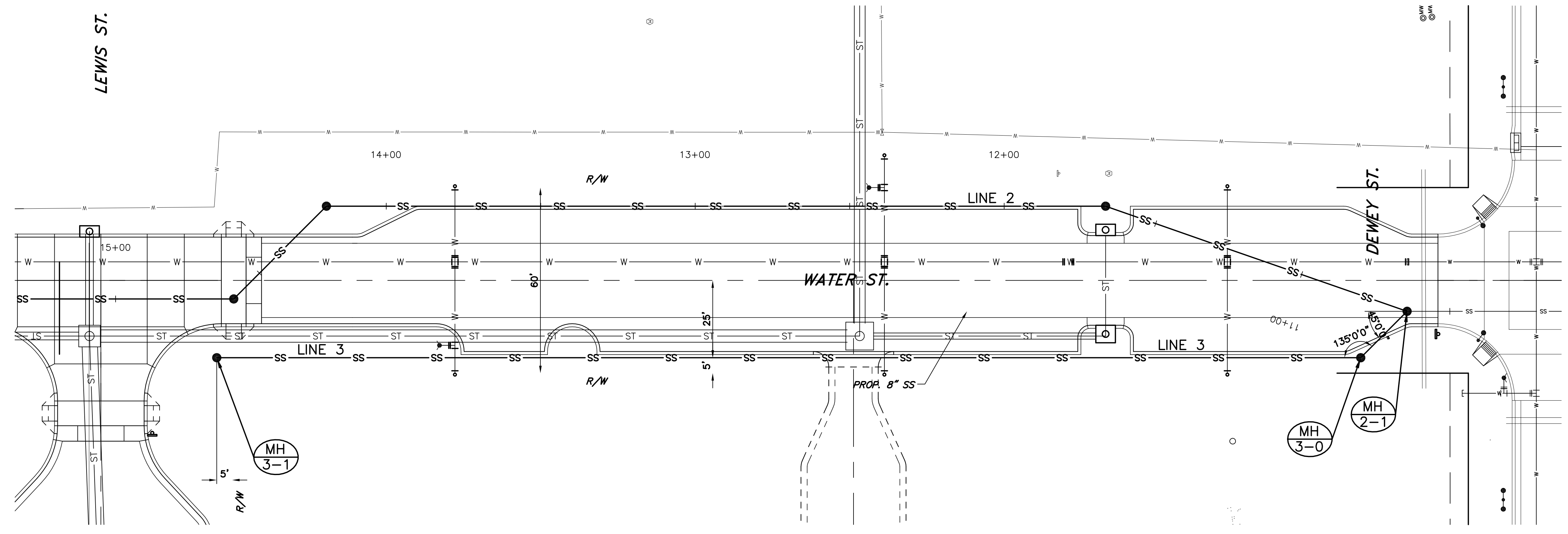
**Gosselin Livingston**  
 Architecture  
 420 South Emporia  
 Wichita, KS 67202  
 Tel: (316) 265-9367  
 Fax: (316) 265-5646  
 Email: architect@gl.com

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**Johnson & Associates, Inc.**  
 100 E. California Ave. - Third Floor  
 Oklahoma City, OK 73104  
 (405) 235-8075 FAX (405) 235-8078  
 Certificate of Authorization #E-1128 EXP. DATE: 12-31-2006

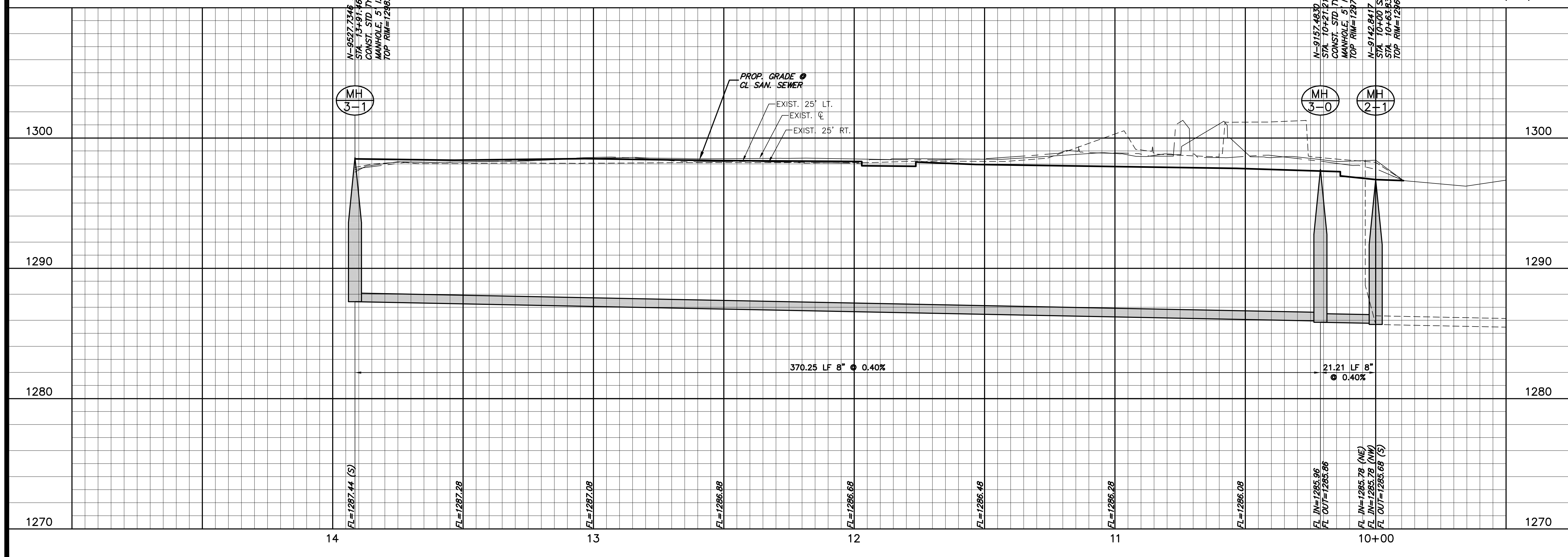


PLAN:  
 SCALE: 1"=20'  
 PROFILE:  
 SCALE: 1"=20' (HORIZ.)  
 1"= 4' (VERT.)

N-9597.7348 E-10257.7989  
 STA. 10+21.61 SAN. SEWER LINE 3  
 CONST. STD. TYPE "P" LINED  
 MANHOLE, 5' I.D.  
 TOP RIM=1298.50

N-9157.4830 E-10257.7981  
 STA. 10+21.61 SAN. SEWER LINE 3  
 CONST. STD. TYPE "P" LINED  
 MANHOLE, 5' I.D.  
 TOP RIM=1297.60

N-9142.8417 E-10272.8080  
 STA. 10+40.00 SAN. SEWER LINE 3  
 STA. 10+46.83 SAN. SEWER LINE 2  
 TOP RIM=1296.81



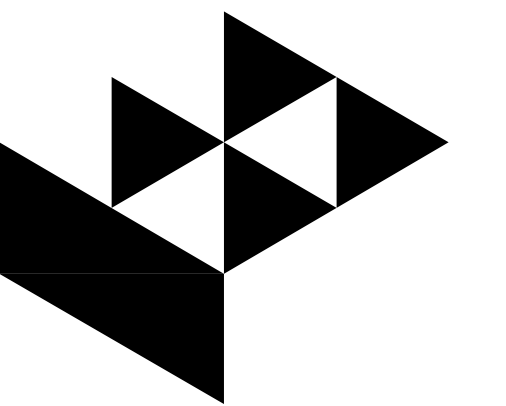
WKS: 10/23/06 10:23:23 PM Z:\21216131\21216131-0000.dwg: 2/27/2006 10:58 AM Peter Borrell  
 WKS: 10/23/06 10:23:23 PM Z:\21216131\21216131-0000.dwg: 2/27/2006 10:58 AM Peter Borrell

W I C H I T A  
**WATERWALK**  
**PUBLIC IMPROVEMENTS PACKAGE 2 PHASE 2**

Mark	Date	Description
1	04.27.06	FIELD CHECK
5.30.06		Bid Set

**SANITARY SEWER LINE 3**

Job No.	<b>SS1.4</b>
Date	05-30-06
Drawn	<b>6</b>
Checked	By: <b>69</b> of <b>96</b>



**Gosses Livingston**  
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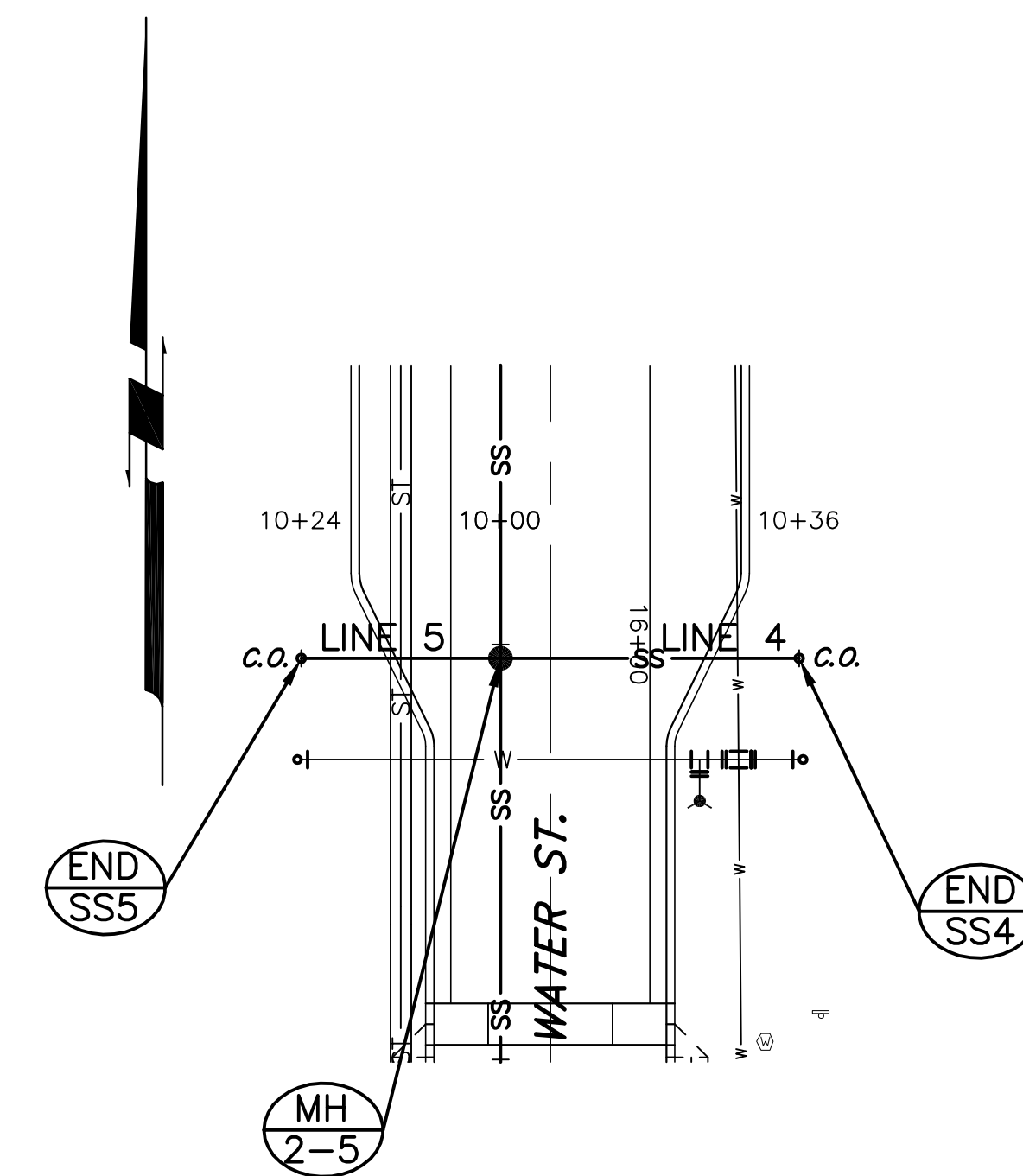
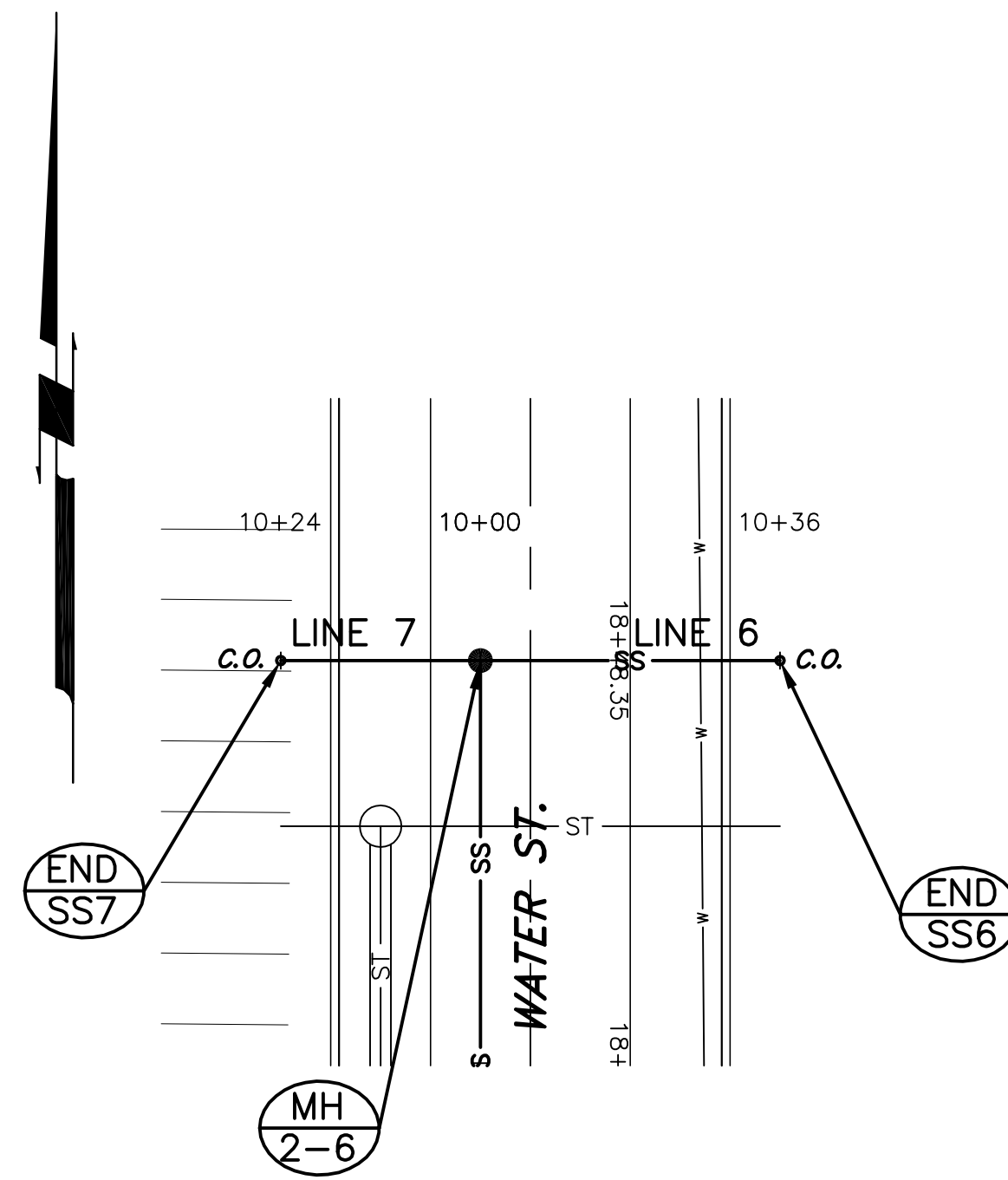
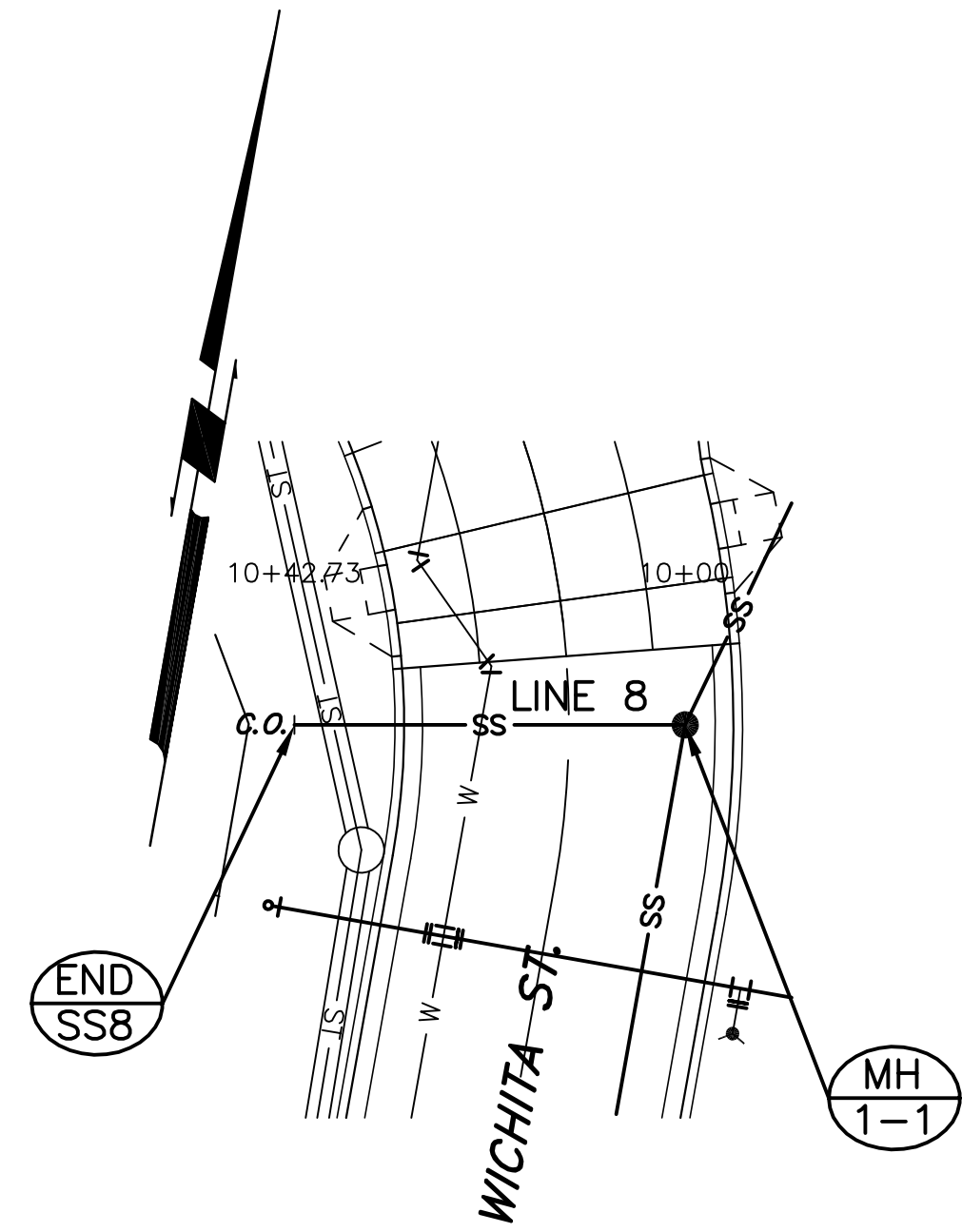
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Certificate of Authorization #E-1128 EXP. DATE: 12-31-2006



N-9470.2627 E-9869.2155  
STA. 10+42.73 SAN. SEWER LINE NO. 8  
CONST. 1-8" CLEANOUT RISER ASSEMBLY  
END CONSTRUCTION SAN. SEWER LINE NO. 8  
TOP BOX=1298.19

N-9472.7141 E-9831.2669  
STA. 12+15.06 SAN. SEWER LINE 1=  
STA. 10+00 SAN. SEWER LINE 8  
CONST. STD. TYPE 12" LINED  
MANHOLE, 5' I.D.  
TOP RIM=1297.55

N-9908.8143 E-10262.7755  
STA. 10+24 SAN. SEWER LINE NO. 7  
CONST. 1-8" CLEANOUT RISER ASSEMBLY  
END CONSTRUCTION SAN. SEWER LINE NO. 7  
TOP BOX=1298.49

N-9908.8158 E-10276.7598  
STA. 18+48.36 SAN. SEWER LINE 2=  
STA. 10+00 SAN. SEWER LINE 7  
CONST. STD. TYPE 12" LINED  
MANHOLE, 5' I.D.  
TOP RIM=1298.00

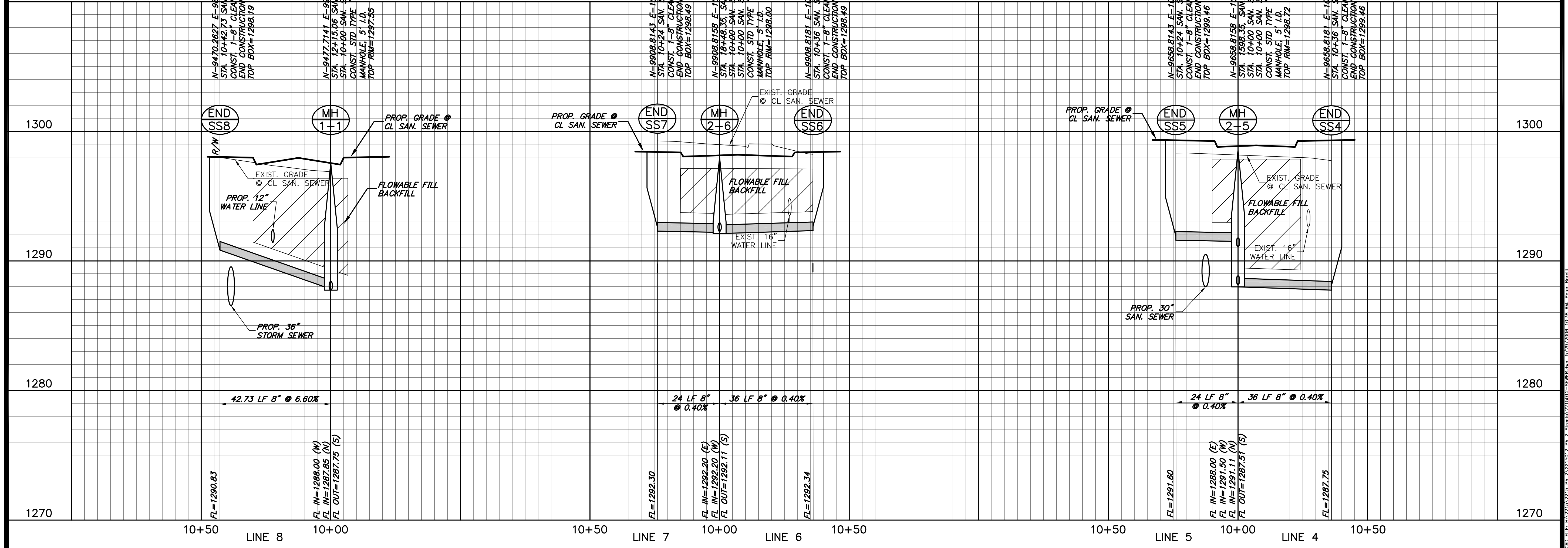
N-9908.8181 E-10312.7598  
STA. 10+36 SAN. SEWER LINE NO. 6  
CONST. 1-8" CLEANOUT RISER ASSEMBLY  
END CONSTRUCTION SAN. SEWER LINE NO. 6  
TOP BOX=1298.49

N-9658.8143 E-10262.7755  
STA. 10+24 SAN. SEWER LINE NO. 5  
CONST. 1-8" CLEANOUT RISER ASSEMBLY  
END CONSTRUCTION SAN. SEWER LINE NO. 5  
TOP BOX=1298.46

N-9658.8158 E-10276.7755  
STA. 18+48.36 SAN. SEWER LINE 2=  
STA. 10+00 SAN. SEWER LINE 5  
CONST. STD. TYPE 12" LINED  
MANHOLE, 5' I.D.  
TOP RIM=1298.72

N-9658.8181 E-10312.7755  
STA. 10+36 SAN. SEWER LINE NO. 4  
CONST. 1-8" CLEANOUT RISER ASSEMBLY  
END CONSTRUCTION SAN. SEWER LINE NO. 4  
TOP BOX=1298.46

PLAN:  
SCALE: 1"=20'  
PROFILE:  
SCALE: 1"=20' (HORIZ.)  
1"= 4' (VERT.)



W I C H I T A  
**WATERWALK**  
**PUBLIC IMPROVEMENTS PACKAGE 2 PHASE 2**

Mark	Date	Description
1	05.30.06	BID SET
1	04.27.06	FIELD CHECK

**SANITARY SEWER LINES 4, 5, 6, 7, & 8**

Job No.	<b>SS1.5</b>
Date	05-30-06
Drawn	<b>6</b>
Checked	Fig. <b>70</b> of <b>96</b>