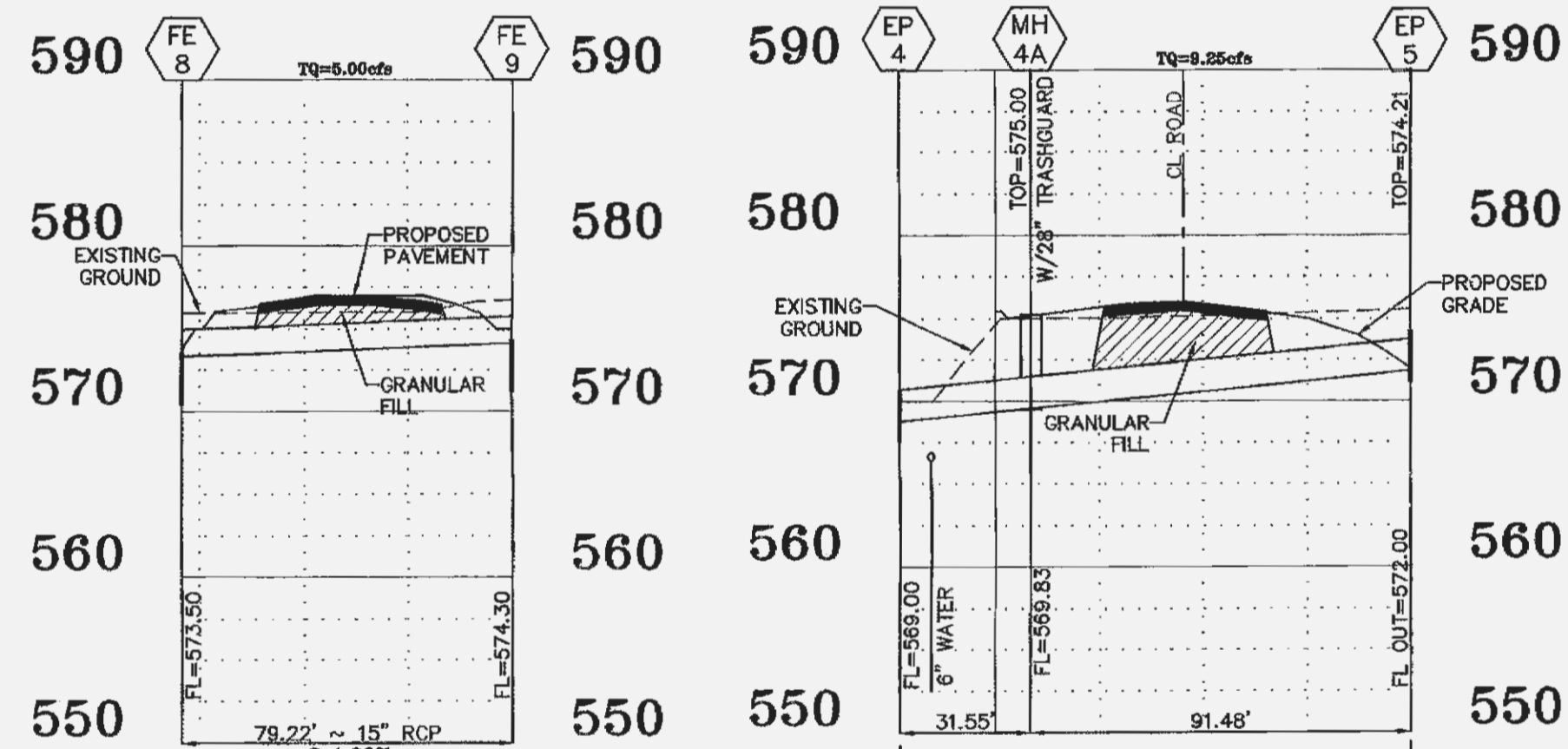


**STREET PROFILE**

SCALES:  
HORIZ. 1"=40'  
VERT. 1"=10'



**STORM SEWER PROFILE**

SCALES:  
HORIZ. 1"=40'  
VERT. 1"=10'

**STORM SEWER PROFILE**

SCALES:  
HORIZ. 1"=40'  
VERT. 1"=10'

BAX PROJECT NAME : PHOENIX METALS  
BAX PROJECT NO. : 01-11691D  
DESIGN DATE : 10/22/2014  
FILENAME: 11691D - 15 YEAR

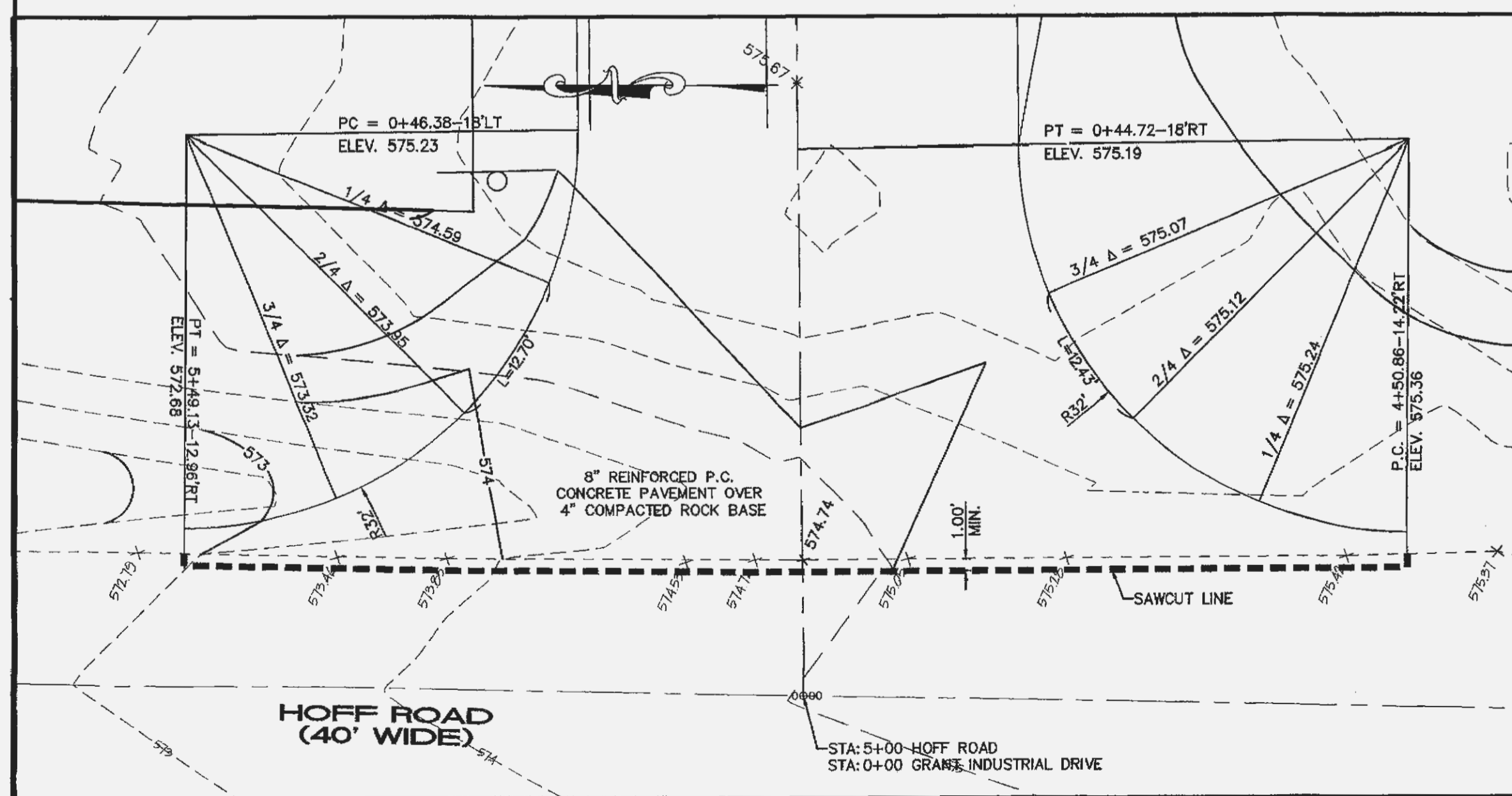
UPP STR	LOW STR	L	DIA	UPPER FL LN	LOWER FL LN	PS	UPPER ST EL	DEPTH HY GR	UPPER HY EL	LOWER HY EL	HYDR GRADE	FR HEAD	VEL	VEL HEAD	JUNC LOSS	TURN LOSS	CURVE LOSS	STR GRADE	INL CAP	DR AREA	PT	Q	TQ	PIPE CAP	REMARKS
FE9	FE8	79	15	574.30	573.50	1.01	575.55	0.43	575.12*	570.05	.00600	0.47	4.07	0.26	0.26	0.00	0.00	0.00	1.37	2.86	5.00	5.00	6.49	1	Hw=570.05
EP5	WQ4A	91	18	572.00	569.83	2.37	573.50	0.69	572.81*	571.33	.00780	0.71	5.23	0.43	0.43	0.00	0.00	0.00	1.76	2.86	9.25	9.25	16.18	2	
WQ4A	EP4	32	18	569.83	569.00	2.63	575.00	4.38	570.62*	570.05	.00780	0.24	5.23	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.25	17.04	3	Hw=570.05

\* INDICATES CRITICAL DEPTH

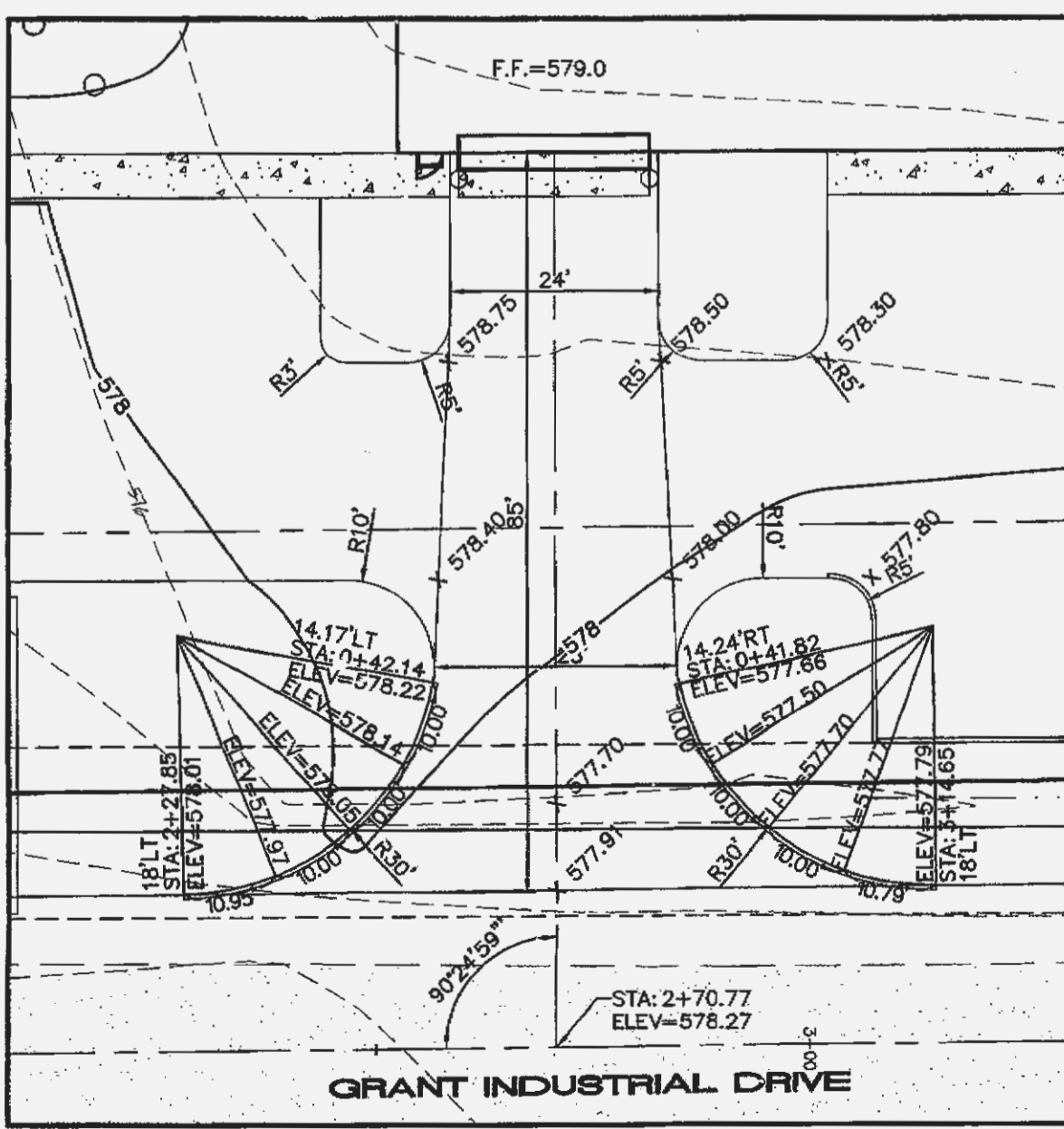
BAX PROJECT NAME : PHOENIX METALS  
BAX PROJECT NO. : 01-11691D  
DESIGN DATE : 10/22/2014  
FILENAME: 11691D - 50 YEAR

UPP STR	LOW STR	L	DIA	UPPER FL LN	LOWER FL LN	PS	UPPER ST EL	DEPTH HY GR	UPPER HY EL	LOWER HY EL	HYDR GRADE	FR HEAD	VEL	VEL HEAD	JUNC LOSS	TURN LOSS	CURVE LOSS	STR GRADE	INL CAP	DR AREA	PT	Q	TQ	PIPE CAP	REMARKS	
FE9	FE8	79	15	574.30	573.50	1.01	575.55	0.00	575.55*	570.54	.01170	0.93	5.70	0.51	0.51	0.00	0.00	0.00	0.00	1.37	2.86	7.00	7.00	6.49	1	Hw=570.54
EP5	WQ4A	91	18	572.00	569.83	2.37	573.50	-0.04	573.54	571.33	.01510	1.38	7.31	0.83	0.83	0.00	0.00	0.00	0.00	1.76	2.86	12.92	12.92	16.18	2	
WQ4A	EP4	32	18	569.83	569.00	2.63	575.00	3.98	571.02	570.54	.01510	0.48	7.31	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.92	17.04	3	Hw=570.54	

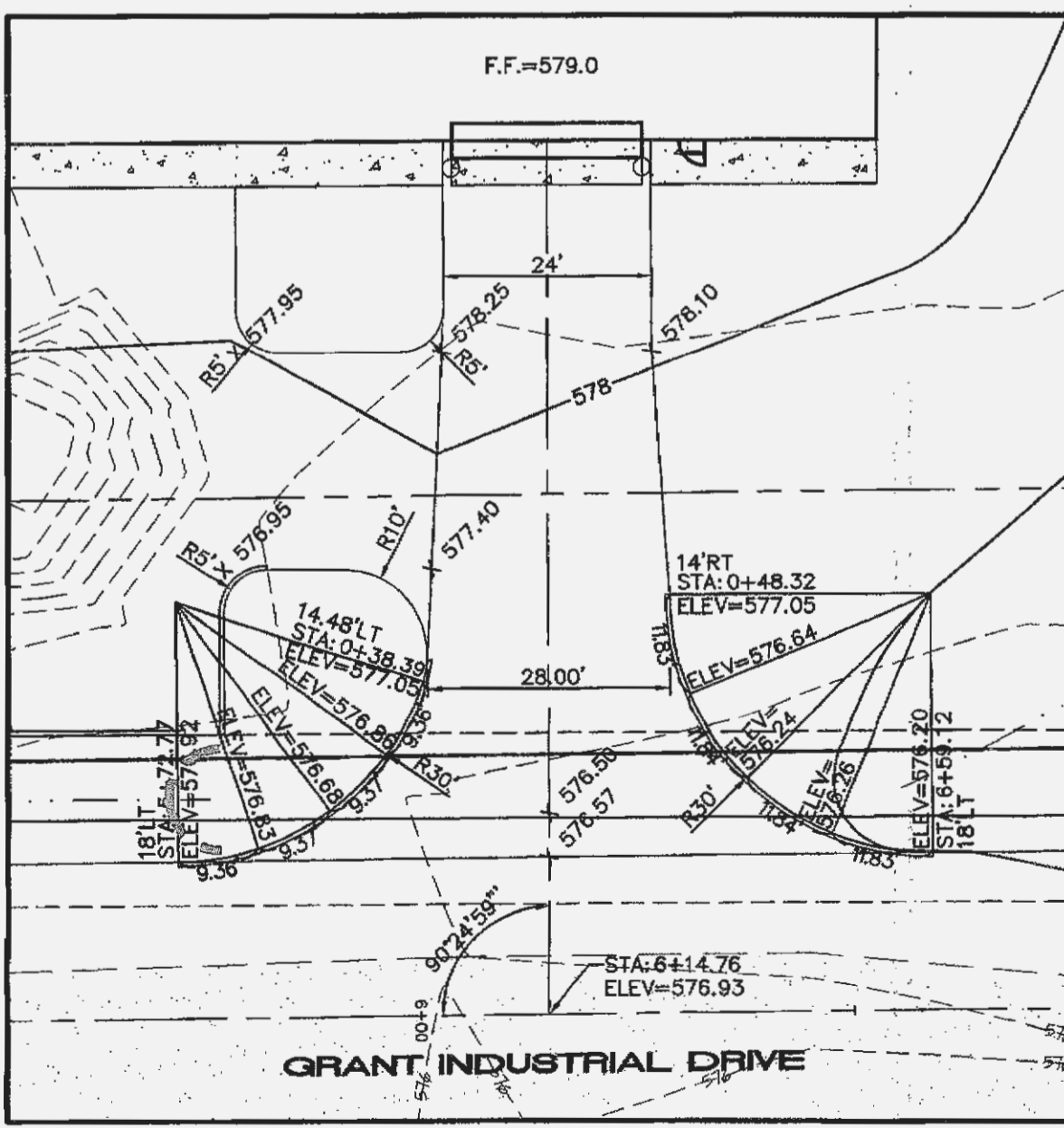
\* INDICATES CRITICAL DEPTH



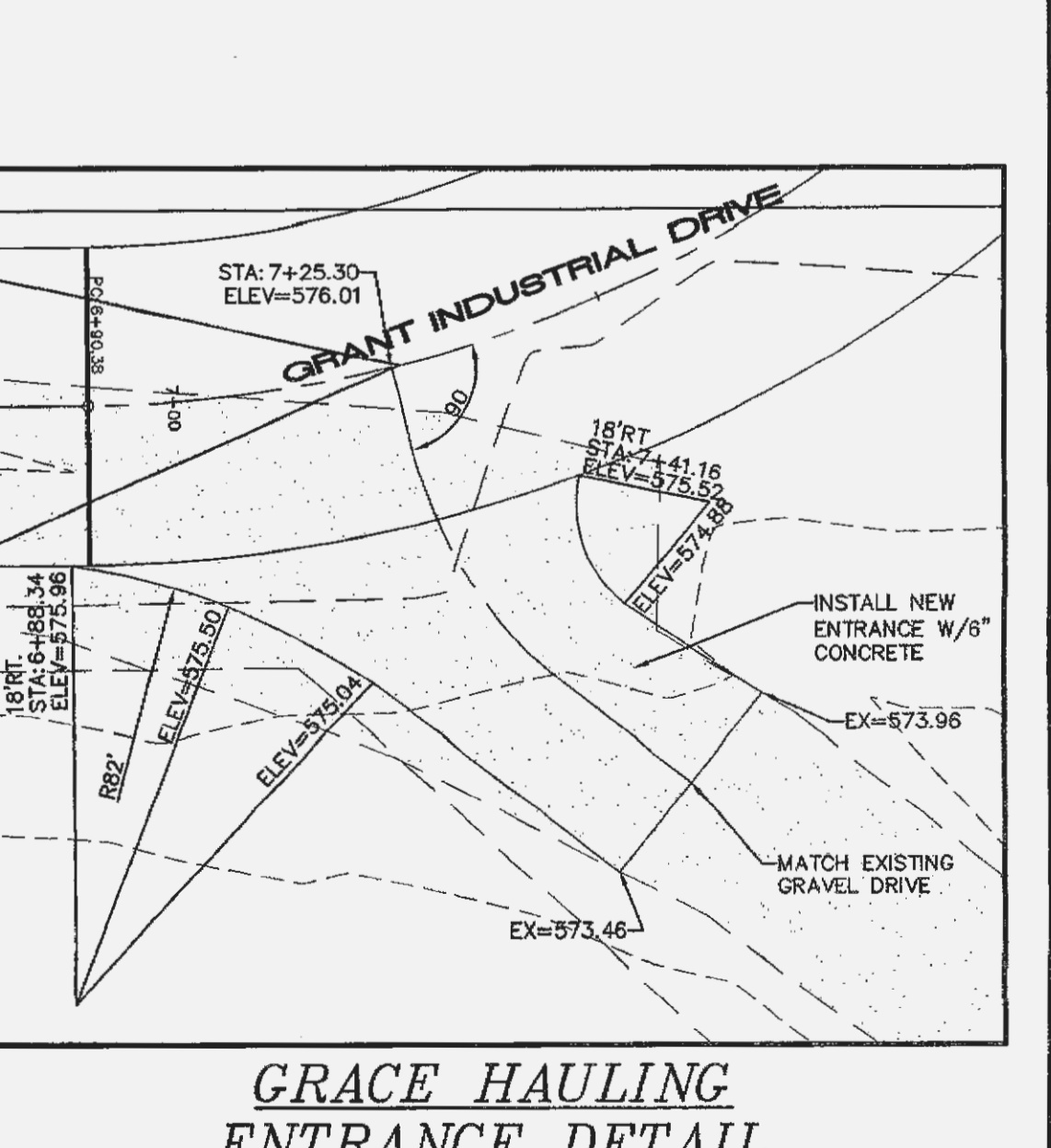
**ROAD ENTRANCE DETAIL**  
SCALE: 1" = 10'



**WEST ENTRANCE DETAIL**  
SCALE: 1" = 20'



**EAST ENTRANCE DETAIL**  
SCALE: 1" = 20'



**GRACE HAULING ENTRANCE DETAIL**  
SCALE: 1" = 20'

PROJECT TITLE:  
**PHOENIX METALS**

ENGINEERING  
PLANNING  
SURVEYING  
221 Point West Blvd.  
St. Charles, MO 63301  
636-949-0680  
FAX 636-949-1718



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REVISIONS

DATE	BY	DESCRIPTION
01/29/14		CITY COMMENTS
02/03/14		CITY COMMENTS
05/06/14		REVISE UTILITY LAYOUT
08/27/14		REVISE RAIN GARDENS
09/25/14		OWNER REVISIONS
11/20/14		WATER QUAL REVISIONS
12/12/14		CITY COMMENTS
01/28/15		OWNER REVISIONS
02/18/15		CITY/OWNER REVISIONS
04/21/15		CITY/OWNER REVISIONS
06/19/15		CITY/OWNER REVISIONS

Developer / Owner:  
MJSM, L.L.C.  
2209 DROSTE ROAD  
ST. CHARLES, MO 63301  
636-949-0680

P+Z No.  
#1407.05 & 1407.05.01  
Approved May 2, 2013  
City No.  
#

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PROFILES AND DETAILS