

EXPLORATORY BORING NO. 19

Client: Albert A. Webb Associates

Date Drilled: 3/9/04

Location: Station 3+50

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1444.5/1434.5

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine with medium, coarse and clay, light brown	Native	X	X		9.1		
		(SM) Silty Sand, fine with medium, light brown		X	X	19	7.1	112	Ring
5		(SM) Silty Sand, fine with medium, light brown		X	X	30/4"	7.6	116	Ring
		(ML) Clayey Silt, fine, light brown		X	X		17.6		Exp., PI
10		(SM) Silty Sand, fine with clay, light brown		X	X	39	7.3	122	Ring
		(SM) Silty Sand, fine with clay, light brown		X	X		7.0		
15		(SM) Silty Sand, fine with clay, light brown		X	X	37	7.2	122	Ring
		(SM) Silty Sand, fine to medium with clay, light brown		X	X		8.1		
20		(SM) Silty Sand, fine to medium with clay, light brown		X	X	30/6"	7.3	Dist.	Ring
		(SM) Silty Sand, fine to medium with clay, light brown		X	X		8.1		
25		(SM) Silty Sand, fine to medium with clay, light brown		X	X	30/4"	11.0	122	Ring
		END OF BORING							
30		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/22/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No.
04175-3

Enclosure
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EXPLORATORY BORING NO. 20

Client: Albert A. Webb Associates

Date Drilled: 3/9/04

Location: Station 16+25

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1444.0/1436.6

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine with medium and clay, light brown	Fill		X		9.3		
		(SM) Silty Sand, fine with medium, coarse and clay, light brown	Native	X	X	53/10"	7.8 8.8	128	Ring
5		(SM) Silty Sand, fine with medium, coarse and clay, light brown			X		10.7		
				X		30/4.5"	9.1	120	Ring
10		(ML) Sandy Silt, fine, light red brown			X		11.7		
				X		52/11.5"	12.0	124	Ring
15		(SP-SM) Sand, fine to medium with coarse and silt, red brown			X		10.7		
				X		36	3.1	111	Ring
20					X		17.7	115	Ring
25		END OF BORING							
30		NO BEDROCK NO REFUSAL FILL TO 2.0' SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CH.J.GDT 4/22/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No.
04175-3

Enclosure
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EXPLORATORY BORING NO. 21

Client: Albert A. Webb Associates

Date Drilled: 3/9/04

Location: Station 29+50

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1447.0/1438.7

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine with clay, brown	Native				1.8		
		(SM) Silty Sand, fine, light brown				11	11.4	125	Ring
5		(SM) Silty Sand, fine, light brown				30/4"	12.7	116	Ring
		(SM) Silty Sand, fine with coarse and gravel to 1", light brown					8.3		
10		(SM) Silty Sand, fine with coarse and gravel to 1", light brown				50	10.0	117	Ring
		(SM) Silty Sand, fine, light brown					24.2		
15		(SM) Silty Sand, fine, light brown				46/11"	19.9	Dist.	Ring
		(SM) Silty Sand, fine, light brown					4.7		
20		(SM) Silty Sand, fine, light brown				30/5"	7.0	Dist.	Ring
		(ML) Silt, fine, light brown					16.3		
25		(ML) Silt, fine, light brown				53/9"	17.4	127	Ring
		END OF BORING							
30		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC., ADP STORM DRAIN 04175-3.GPJ CH.J.GDT 4/22/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No.
04175-3

Enclosure
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EXPLORATORY BORING NO. 22

Client: Albert A. Webb Associates

Date Drilled: 3/10/04

Location: Station 39+50

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1448.0/1441.2

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine with medium and clay, light brown	Native				10.7		
5		(SM) Silty Sand, fine with medium, light brown		X		5	10.7	111	Ring
		(SM) Silty Sand, fine with medium, light brown			X		6.8		
10		(SP-SM) Sand, fine to medium with coarse and silt, light brown		X		30/6"	8.1	118	Ring
		(SP-SM) Sand, fine to medium with coarse and silt, light brown			X		7.8		
15		(ML) Sandy Silt, fine, light brown		X		54/10"	4.9	119	Ring
		(ML) Sandy Silt, fine, light brown			X		12.4		
20		(ML) Silt, fine, light brown		X		51/10.5"	14.4	111	Ring
		(ML) Silt, fine, light brown			X		25.8		
25		END OF BORING		X		40	20.3	105	Ring
30		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/22/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No.
04175-3

Enclosure
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EXPLORATORY BORING NO. 23

Client: Albert A. Webb Associates

Date Drilled: 3/5/04

Location: Station 202+50

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1449.0/1437.8

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine with medium, coarse and clay, light brown	Native	X	X		8.1		
		(SM) Silty Sand, fine to medium, light brown		X	X	30/5.5"	9.5	125	Ring
5		(SM) Silty Sand, fine to medium, light brown		X	X	30/6"	8.0	Dist.	Ring, DS
		(SM) Silty Sand, fine with medium and coarse, light brown		X	X	30/6"	7.3		
10		(SM) Silty Sand, fine with medium and coarse, light brown		X	X	30/6"	7.4	127	Ring
		(ML) Silt, fine, light brown		X	X		16.6		
15		(ML) Silt, fine, light brown		X	X	49	16.1	115	Ring
20		(ML) Silt, fine, light brown		X	X	30/6"	18.5	Dist.	Ring
25		(ML) Silt, fine, light brown		X	X	42	16.7	113	Ring
		END OF BORING							
30		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CH.J.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No.
04175-3

Enclosure
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EXPLORATORY BORING NO. 24

Client: Albert A. Webb Associates

Date Drilled: 3/15/04

Location: Station 209+50

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

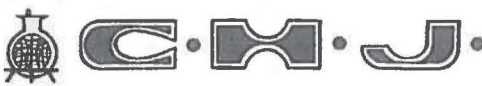
Surface/Flow Line Elevation(ft): 1452.0/1442.0

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine, brown	Fill				12.9		
5		(SC) Clayey Sand, fine to medium with coarse, brown	Native			16	6.1 12.4	130	Ring
		(SM) Silty Sand, fine to medium with coarse and clay, brown					7.1		
10						22	8.9	122	Ring
		(SC) Clayey Sand, fine to medium with coarse, light brown				55/11"	7.5 8.2	131	Ring
15		(SM) Silty Sand, fine with medium, coarse and clay, light brown					13.6		
						30/5"	13.5	Dist.	Ring
20									
						30/5.5"	14.7	Dist.	Ring
25		END OF BORING							
30		NO BEDROCK NO REFUSAL FILL TO 3.0' SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/22/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No. 04175-3
Enclosure B-23

EXPLORATORY BORING NO. 25

Client: Albert A. Webb Associates

Date Drilled: 3/15/04

Location: Station 211+65

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1452.0/1443.2

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine with medium, light brown	Fill				16.4		
		(SC) Clayey Sand, fine with medium, brown	Native				14.6		
5		(SM) Silty Sand, fine with medium, light brown		X		59/11"	12.9 11.5	118	Ring
		(SM) Silty Sand, fine to medium with coarse and clay, light brown					10.2		
10				X		30/5"	7.4	128	Ring
		(SM) Silty Sand, fine with medium and coarse, light brown					10.5		
15				X		30/4"	9.9	Dist.	Ring
		(ML) Sandy Silt, fine with medium, light brown					10.5		
20				X		30/5"	11.5	118	Ring
25				X		30/6"	9.4	115	Ring
		END OF BORING							
30		NO BEDROCK NO REFUSAL FILL TO 2.0' SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/22/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No.
04175-3

Enclosure
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EXPLORATORY BORING NO. 26

Client: Albert A. Webb Associates

Date Drilled: 3/5/04

Location: Station 230+00

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1465.0/1453.9

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Clayey Sand, fine, brown	Native				13.5		
5		(SM) Silty Sand, fine to medium with coarse, light brown		X	X	19	16.2	103	Ring
		(SM) Silty Sand, fine to medium with coarse, light brown			X		9.1		MDC
10		(SM) Silty Sand, fine, light brown		X		42	4.2	123	Ring
		(SM) Silty Sand, fine, light brown			X		10.4	130	Ring
15		(SM) Silty Sand, fine with medium and coarse, light brown			X		15.9		
		(SM) Silty Sand, fine with medium and coarse, light brown		X		40	10.3	128	Ring
20		(SM) Silty Sand, fine to medium with coarse, light brown			X		4.8		
		(SM) Silty Sand, fine to medium with coarse, light brown		X		40	5.0	123	Ring
25		END OF BORING							
30		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/22/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No.
04175-3

Enclosure
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EXPLORATORY BORING NO. 27

Client: Albert A. Webb Associates

Date Drilled: 3/5/04

Location: Station 245+50

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1478.0±/1470.9

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine to medium with coarse and clay, light brown	Native				12.7		
		(SM) Silty Sand, fine with medium, light brown		X		14	11.8	122	Ring
5		(SM) Silty Sand, fine, light brown					5.3		
		(SM) Silty Sand, fine, light brown		X		30	13.0	123	Ring
10							11.8		
		(SM) Silty Sand, fine with medium and coarse, light brown		X		30/3"	10.2	130	Ring
15							8.7		
		(SM) Silty Sand, fine with medium and coarse, light brown		X		50	9.3	118	Ring
20							18.7		
		(SM) Silty Sand, fine with medium and coarse, light brown		X		30/9"	8.2	130	Ring
25									
		END OF BORING		X		34	7.5	110	Ring
30		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No.
04175-3

Enclosure
B-26

EXPLORATORY BORING NO. 28

Client: Albert A. Webb Associates

Date Drilled: 3/5/04

Location: Station 256+90

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1490.0±/1480.9

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine with medium and coarse, light brown	Native				4.8		MDC, SA
5				X		56	4.9	106	Ring
10				X		25	8.8	115	Ring
		(SC) Clayey Sand, fine with medium and silt, light brown					15.2		
15				X		37	12.0	127	Ring
		(SM) Silty Sand, fine with medium and clay, light brown					11.8		
20				X		30/5"	11.6	124	Ring
		(SM) Silty Sand, fine to medium with coarse and gravel to 1", red brown					4.2		
25				X		30/6"	5.0	Dist.	Ring
30		END OF BORING NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No.
04175-3

Enclosure
B-27

EXPLORATORY BORING NO. 29

Client: Albert A. Webb Associates

Date Drilled: 3/5/04

Location: Station 270+00

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1501.6±/1488.2 Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
	(Diagonal hatching pattern)	(SC) Clayey Sand, fine with medium, coarse and silt, brown	Native	X	X		12.4		
	(Dotted pattern)	(SM) Silty Sand, fine to medium with coarse and clay, light brown		X	X	13	13.2	123	Ring
5	(Dotted pattern)	(SM) Silty Sand, fine to medium with coarse and clay, light brown		X	X	5	8.6	110	Ring
	(Dotted pattern)	(SM) Silty Sand, fine with medium and clay, light brown		X	X		11.0		
10	(Dotted pattern)	(SM) Silty Sand, fine with medium and clay, light brown		X	X	35	14.2	123	Ring
15	(Dotted pattern)	(ML) Sandy Silt, fine with calcium carbonate nodules, light brown		X	X	41	10.9	131	Ring
	(Dotted pattern)	(ML) Sandy Silt, fine with calcium carbonate nodules, light brown		X	X		19.8		
20	(Dotted pattern)	(ML) Sandy Silt, fine with calcium carbonate nodules, light brown		X	X	29	15.7	117	Ring
	(Dotted pattern)	(SM) Silty Sand, fine to medium with coarse and clay, light red brown		X	X		8.1		
25	(Dotted pattern)	(SM) Silty Sand, fine to medium with coarse and clay, light red brown		X	X	35	7.4	119	Ring
		END OF BORING							
30		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No.
04175-3

Enclosure
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EXPLORATORY BORING NO. 30

Client: Albert A. Webb Associates

Date Drilled: 3/5/04

Location: Station 282+00

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1515.0±/1494.0 Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine with medium, coarse and clay, brown	Native				9.4		
5		(SM) Silty Sand, fine to medium with coarse, brown		X	X	9	8.2 6.1	125	Ring
		(SW-SM) Sand, fine to coarse with silt and gravel to 3/8", light brown			X		3.9		MDC, SA
10		(ML) Sandy Silt, fine with medium, light brown		X		11	2.8	109	Ring
					X		10.2		
15				X		29	11.1	115	Ring
					X		18.9		
20		(SP-SM) Sand, fine to medium with coarse, silt and gravel to 1/2", light brown			X		3.7		
				X		34	6.1	120	Ring
25		END OF BORING							
30		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No.
04175-3

Enclosure
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EXPLORATORY BORING NO. 31

Client: Albert A. Webb Associates

Date Drilled: 3/9/04

Location: Station 11+50

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1521.0±/1501.3

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine with medium and coarse, brown	Native				6.8		
		(SM) Silty Sand, fine with medium, coarse and clay, light brown		X	X	18	5.9	118	Ring
5		(SM) Silty Sand, fine to medium and coarse and clay, light brown		X	X	52	11.3	128	Ring
10		(SM) Silty Sand, fine to medium and coarse and clay, light brown		X	X	44	8.3	132	Ring
15				X	X	20	9.5	118	Ring
20				X	X	26	6.9	117	Ring
25		(SM) Silty Sand, fine to medium with coarse and clay, red brown		X	X		8.7		
		END OF BORING		X	X	30/3"	8.8	Dist.	Ring
30		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No.
04175-3

Enclosure
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EXPLORATORY BORING NO. 32

Client: Albert A. Webb Associates

Date Drilled: 3/9/04

Location: Briggs Basin

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): unknown

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine with medium and coarse, brown	Native		X		7.8		
5		(SM) Silty Sand, fine with medium and coarse, brown		X		13	6.5	105	Ring
		(SM) Silty Sand, fine with medium and coarse, brown			X		6.6		
10		(SM) Silty Sand, fine to medium with coarse and clay, light brown		X		8	8.3	108	Ring
		(SM) Silty Sand, fine to medium with coarse and clay, light brown			X		5.8		
15		(SM) Silty Sand, fine with medium and coarse, light brown		X		49	6.3	132	Ring
		(SM) Silty Sand, fine with medium and coarse, light brown			X		7.6		
20				X		55/10"	8.3	126	Ring
					X		7.6		
25		END OF BORING		X		28	9.3	111	Ring
30		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJLGD 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
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Enclosure
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EXPLORATORY BORING NO. 33

Client: Albert A. Webb Associates

Date Drilled: 3/5/04

Location: Briggs Basin

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): unknown

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
5		(SM) Silty Sand, fine to medium with coarse, light brown	Native				7.1		
						21	5.8	127	Ring
10		(SP-SM) Sand, fine to medium with coarse, silt and gravel to 1/2", light brown				37	5.4 3.9	130	Ring
					7	8.7 12.3	108	Ring	
15		(ML) Sandy Silt, fine, brown					3.9		
					26	12.2	106	Ring	
20		(SM) Silty Sand, fine to medium with coarse and clay, red brown					6.3		
					32	6.2	125	Ring	
25		(SM) Silty Sand, fine to medium with coarse and clay, light brown					6.4		
					50	5.6	134	Ring	
30		END OF BORING							
		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No.
04175-3

Enclosure
B-32

EXPLORATORY BORING NO. 34

Client: Albert A. Webb Associates

Date Drilled: 3/5/04

Location: Briggs Basin

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): unknown

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine with medium and coarse, light brown	Native				4.8		
5		(SM) Silty Sand, fine to medium with coarse and gravel to 3/8", light brown				22	6.5	113	Ring
		(SP) Sand, fine to medium with coarse and gravel to 1/2", light brown					2.7		
10		(SP) Sand, fine to medium with coarse and gravel to 1/2", light brown				8	2.3	107	Ring
		(SM) Silty Sand, fine to medium with coarse, clay and gravel to 3/4", light brown					4.4		
15		(SM) Silty Sand, fine to medium with coarse, clay and gravel to 3/4", light brown				27	2.9	126	Ring
		(SP) Sand, fine to medium with coarse, light red brown					1.8		
20		(SP) Sand, fine to medium with coarse, light red brown				25	1.5	111	Ring
25		END OF BORING				55/10.5"	6.6	132	Ring
30		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No. 04175-3
Enclosure B-33

EXPLORATORY BORING NO. 35

Client: Albert A. Webb Associates

Date Drilled: 3/9/04

Location: Station 27+50

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1523.5±/1514.0

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine with medium and coarse, light brown	Native				4.4		
5						30/3"	5.6	124	Ring
10						26	7.6	119	Ring
15		(SM) Silty Sand, fine to medium with coarse, light brown				30/3"	9.6	125	Ring
20						46	5.3	120	Ring
25						49	6.9	132	Ring
30		END OF BORING NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No.
04175-3

Enclosure
B-34

EXPLORATORY BORING NO. 36

Client: Albert A. Webb Associates

Date Drilled: 3/9/04

Location: Station 38+00

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1540.0±/1531.0

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine with medium, coarse and gravel to 3/8", brown	Fill				8.4		
5		(SM) Silty Sand, fine with medium, coarse and clay, light brown	Native				11.3		
10		(SM) Silty Sand, fine with medium, coarse and clay, light brown		X		23	8.2	123	Ring
15		(SM) Silty and, fine with medium and coarse, orange brown					9.9		
20				X		30/4"	9.5	127	Ring
25		END OF BORING							
30		NO BEDROCK NO REFUSAL FILL TO 3.0' SLIGHT CAVING NO FREE GROUNDWATER		X		43	8.0	123	Ring

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No. Enclosure
04175-3 B-35

EXPLORATORY BORING NO. 37

Client: Albert A. Webb Associates

Date Drilled: 3/4/04

Location: Station 64+50

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1584.0±/1575.0

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine to medium with coarse, clay and gravel to 1/2", brown	Fill	X	X	21	4.7	124	Ring
5		(SM) Silty Sand, fine to coarse, brown	Native	X	X	7	5.5	116	Ring
10		(SM) Silty Sand, fine to medium with coarse, clay and gravel to 1/2", brown		X	X	31	9.1	124	Ring
15		(SM) Silty Sand, fine with medium, coarse and clay, light brown		X	X	22	8.4	128	Ring
20				X	X	50	9.7	132	Ring
25				X	X	44	8.2	130	Ring
30		END OF BORING							
		NO BEDROCK NO REFUSAL FILL TO 4.0' SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No. 04175-3
Enclosure B-36

EXPLORATORY BORING NO. 38

Client: Albert A. Webb Associates

Date Drilled: 3/4/04

Location: Station 77+80

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1617.0±/1606.0

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine with medium, coarse and gravel to 3/8", light brown	Native		X		4.8		
5				X		13	3.9	116	Ring
		(SM) Silty Sand, fine to medium with coarse, clay and gravel to 3/8", light brown			X		8.1		
10				X		38	10.0	130	Ring
15				X		42	5.5	128	Ring
20		(SM) Silty Sand, fine to medium with coarse, light brown			X		4.8		
25		END OF BORING		X		47	2.1	123	Ring
30		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No. 04175-3
Enclosure B-37

EXPLORATORY BORING NO. 39

Client: Albert A. Webb Associates

Date Drilled: 3/4/04

Location: Station 90+00

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1631.0±1626.5

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
0 - 5		(SM) Silty Sand, fine with medium, coarse and gravel to 3/8", light brown	Native				4.8		
5 - 10		(SM) Silty Sand, fine with medium and clay, light brown				13	3.3	116	Ring
10 - 15		(SM) Silty Sand, fine with medium and clay, light brown				30/5"	7.3 6.3	123	Ring
15 - 20		(SM) Weathered Granitic Bedrock recovered as Silty Sand, fine to medium with coarse, clay and gravel to 3/8", light brown	Bedrock			30/6"	5.9 6.4	127	Ring
20 - 25						30/5"	5.7	118	Ring
25 - 30		END OF BORING BEDROCK AT 15.5' NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No. 04175-3 Enclosure B-38

EXPLORATORY BORING NO. 40

Client: Albert A. Webb Associates

Date Drilled: 3/4/04

Location: Station 104+00

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1668.0±/1653.0

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine to medium with coarse and gravel to 1/2", light brown	Fill				3.4		
5		(SM) Silty Sand, fine with medium and coarse, light brown	Native				4.6		
		(SM) Weathered Granitic Bedrock recovered as Silty Sand, fine to medium with coarse and gravel to 3/8", light gray brown	Bedrock				1.8		
						30/2"	6.9	Dist.	Ring
10									
						30/1"	N.R.	N.R.	Ring
15									
20									
25		END OF BORING							
30		BEDROCK AT 6.0' NO REFUSAL FILL @ 5.0' SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No. 04175-3
Enclosure B-39

EXPLORATORY BORING NO. 41

Client: Albert A. Webb Associates

Date Drilled: 3/3/04

Location: Station 116+00

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1695.0±/1684.0

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
0		(SM) Silty Sand, fine to medium with coarse, light brown	Native				3.9		SA
5				X		53/11"	3.8	130	Ring
10		(SP-SM) Sand, fine to medium with coarse, silt and gravel to 1/2", light brown		X		28	2.4	122	Ring
15		(SW-SM) Weathered Granitic Bedrock Recovered as Sand, fine to medium with silt and gravel to 1", light brown	Bedrock	X		30/5.15"	1.4	124	Ring
20				X		30/4"	5.7	Dist.	Ring
25		END OF BORING							
30		BEDROCK AT 14.0' NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CH.J.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No.
04175-3

Enclosure
B-40

EXPLORATORY BORING NO. 42

Client: Albert A. Webb Associates

Date Drilled: 3/3/04

Location: Juniper Flats Basin

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): unknown

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine to medium with coarse and gravel to 1/2", brown	Native				5.3		
5		(SM) Silty Sand, fine to medium with coarse and clay, red brown		X	X	7	2.1	108	Ring
		(SM) Silty Sand, fine to medium with coarse and clay, red brown					5.8		
10		(SM) Weathered Granitic Bedrock Recovered as Silty Sand, fine to coarse with clay, gray brown	Bedrock	X	X	32	7.0	135	Ring
		(SM) Weathered Granitic Bedrock Recovered as Silty Sand, fine to coarse with clay, gray brown	Bedrock				4.1		
15						30/3"	1.0	Dist.	Ring
20						30/2.5"	1.3	Dist.	Ring
25		END OF BORING							
30		BEDROCK AT 10.0' NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No. 04175-3 Enclosure B-41

EXPLORATORY BORING NO. 43

Client: Albert A. Webb Associates

Date Drilled: 3/3/04

Location: Juniper Flats Basin

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): unknown

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine to medium with coarse and gravel to 3/8", brown	Native				6.8		
5				X		7	3.0	111	Ring
10		(SW-SM) Sand, fine to coarse with silt, brown					3.2		
				X		6	3.8	112	Ring
15		(ML) Sandy Silt, fine, light brown					17.9		
				X		8	9.4	120	Ring
20		(SM) Silty Sand, fine to medium with coarse, clay and gravel to 2 1/2", gray brown					14.4		
				X		12			
25		(SW-SM) Weathered Granitic Bedrock recovered as Sand, fine to coarse with gravel to 3/8", light gray brown	Bedrock				2.4		
				X		53/11"	12.5	120	Ring
30		END OF BORING					4.9	Dist.	Ring
		BEDROCK AT 23.0' NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER				30/4"			

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CH.J.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No. 04175-3 Enclosure B-42

EXPLORATORY BORING NO 44

Client: Albert A. Webb Associates

Date Drilled: 3/3/04

Location: Juniper Flats Basin

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): unknown

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
5		(SM) Silty Sand, fine with medium, coarse and gravel to 3/8", light brown	Native				3.4		
						10	2.0	110	Ring
10		(SM) Silty Sand, fine with medium, coarse and gravel to 3/8", red brown					4.1		
						30/4"	4.3	Dist.	Ring
15		(SM) Silty Sand, fine to medium with coarse and gravel to 1/2", light brown					3.2		
						26	3.0	116	Ring
20		(SM) Silty Sand, fine to medium with coarse and gravel to 1/2", light brown					3.2		
						31	2.7	118	Ring
25		(SM) Silty Sand, fine with medium, coarse and clay, light brown					6.0	116	Ring
						23	6.0		
30		END OF BORING							
		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No. 04175-3 Enclosure B-43

EXPLORATORY BORING NO. 45

Client: Albert A. Webb Associates

Date Drilled: 3/3/04

Location: Juniper Flats Basin

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): unknown

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine with medium, coarse and gravel to 3/8", light brown	Native				6.3		
				X		10	2.2	112	Ring
5		(SP) Sand, fine to medium with coarse and gravel to 1/2", light brown					2.5		
				X		7	1.9	113	Ring
		(SM) Silty Sand, fine with medium and coarse, red brown					5.8		
10				X		8	6.0	112	Ring
		(SP-SM) Weathered Granitic Bedrock recovered as Sand, fine to medium with coarse, silt and gravel to 1/2", light gray brown	Bedrock				2.6		
15				X		30/6"	2.8	115	Ring
20				X		30/6"	2.2	119	Ring
25		END OF BORING							
30		BEDROCK AT 13.0' NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No. Enclosure
04175-3 B-44

EXPLORATORY BORING NO. 47

Client: Albert A. Webb Associates

Date Drilled: 3/5/04

Location: Station 20+25

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1459.4±/1449.6

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine with medium, coarse and clay, brown	Fill				9.4		
5		(SM) Silty Sand, fine to medium with coarse, clay and gravel to 3/8", light brown	Native			26	5.0	136	Ring
10		(ML) Sandy Clayey Silt, fine with medium and coarse, light brown				34	15.6	114	Ring
15		(ML) Sandy Silt, fine with clay, light brown				37	15.9	118	Ring
20		(SM) Silty Sand, fine with medium and coarse, light brown				30/5"	5.9	Dist.	Ring
25		(ML) Sandy Silt, fine, light brown				30/6"	10.3	127	Ring
		END OF BORING							
30		NO BEDROCK NO REFUSAL FILL TO 4.0' SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No.
04175-3

Enclosure
B-45

EXPLORATORY BORING NO. 48

Client: Albert A. Webb Associates

Date Drilled: 3/4/04

Location: Station 38+00

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1472.4±/14466.0 Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
5		(SM) Silty Sand, fine to medium with coarse, light brown	Native				4.6		DS, MDC, SA
7.6		(SM) Silty Sand, fine to medium with coarse and gravel to 3/8", light brown				11	7.2	117	Ring, Consol.
10.7		(SM) Silty Sand, fine to medium with coarse, clay and gravel to 3/4", light brown				47	10.9	129	Ring
17.8						35	9.3	129	Ring
20.2		(SM) Silty Sand, fine, light brown				26	8.3	119	Ring
25		END OF BORING							
30		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No.
04175-3

Enclosure
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EXPLORATORY BORING NO. 49

Client: Albert A. Webb Associates

Date Drilled: 3/4/04

Location: Station 49+25

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1480.8±/1473.5 Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine with medium, coarse and clay, brown	Native	X	X		7.6		
		(SM) Silty Sand, fine with medium and coarse, light brown		X	X	30	5.2	126	Ring
5		(SM) Silty Sand, fine with medium and coarse, light brown		X	X	36	7.6	129	Ring
		(SM) Silty Sand, fine with medium and clay, light brown		X	X		10.7		
10		(SM) Silty Sand, fine to medium with coarse and clay, light brown		X	X	39	15.1	121	Ring
		(SM) Silty Sand, fine to medium with coarse and clay, light brown		X	X		7.8		
15		(SM) Silty Sand, fine to medium with coarse, light brown		X	X	30/5.5"	12.1	116	Ring
		(SM) Silty Sand, fine to medium with coarse, light brown		X	X		7.1		
20		(SP) Sand, fine to medium with coarse, light brown		X	X	48	5.7	119	Ring
		(SP) Sand, fine to medium with coarse, light brown		X	X		2.5		
25		(SP) Sand, fine to medium with coarse, light brown		X	X	52/11"	3.7	115	Ring
		END OF BORING							
30		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No.
04175-3

Enclosure
B-47

EXPLORATORY BORING NO. 50

Client: Albert A. Webb Associates

Date Drilled: 3/4/04

Location: Station 64+35

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1491.0±/1483.8

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
5		(SM) Silty Sand, fine to medium with coarse and clay, brown	Native				8.1		
10		(SM) Silty Sand, fine to medium with coarse and gravel to 3/8", light brown		X		23	3.3	119	Ring
15		(SM) Silty Sand, fine with medium, light brown		X		30/4"	8.3	Dist.	Ring
20				X		49	8.4	124	Ring
25		END OF BORING		X		46/11.5"	8.0	Dist.	Ring
30		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No. 04175-3
Enclosure B-48

EXPLORATORY BORING NO. 51

Client: Albert A. Webb Associates

Date Drilled: 3/4/04

Location: Station 90+30

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1516.0±/1509.5

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine with medium and coarse, light brown	Native				7.1		
5		(SM) Silty Sand, fine to medium with coarse and clay, light brown		X	X	34	8.3	125	Ring
10				X		22	8.5	122	Ring
15		(SM) Silty Sand, fine with medium and coarse, light brown		X	X	30/5"	7.3	Dist.	Ring
20				X		30/3"	6.7	130	Ring
25		END OF BORING NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER		X	X	31	10.3	120	Ring
30									

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No.
04175-3

Enclosure
B-49

EXPLORATORY BORING N. 52

Client: Albert A. Webb Associates

Date Drilled: 3/4/04

Location: Station 113+00

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1544.2±/1535.5 Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES		BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
				DRIVE	BULK				
		(SM) Silty Sand, fine to medium with coarse and gravel to 3/8", light brown	Native				8.6		
5		(SM) Silty Sand, fine to coarse with gravel to 3/8", light brown		X		20	2.6	121	Ring
		(SM) Silty Sand, fine to coarse with gravel to 3/8", light brown					3.9		MDC, SA
10		(SM) Silty Sand, fine with medium, coarse and clay, light brown		X		18	5.1 9.9	126	Ring
		(SM) Silty Sand, fine with medium, coarse and clay, light brown							
15		(SM) Silty and, fine to medium with coarse and gravel to 3/8", light brown		X		31	7.7	130	Ring
		(SM) Silty and, fine to medium with coarse and gravel to 3/8", light brown							
20		(SM) Silty Sand, fine to medium with coarse and gravel to 3/8", light brown		X		23	3.8	117	Ring
		(SM) Silty Sand, fine to medium with coarse and gravel to 3/8", light brown							
25		(SM) Silty Sand, fine with medium and coarse, brown		X		36	5.9	123	Ring
		(SM) Silty Sand, fine with medium and coarse, brown							
30		END OF BORING							
		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/26/04



HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

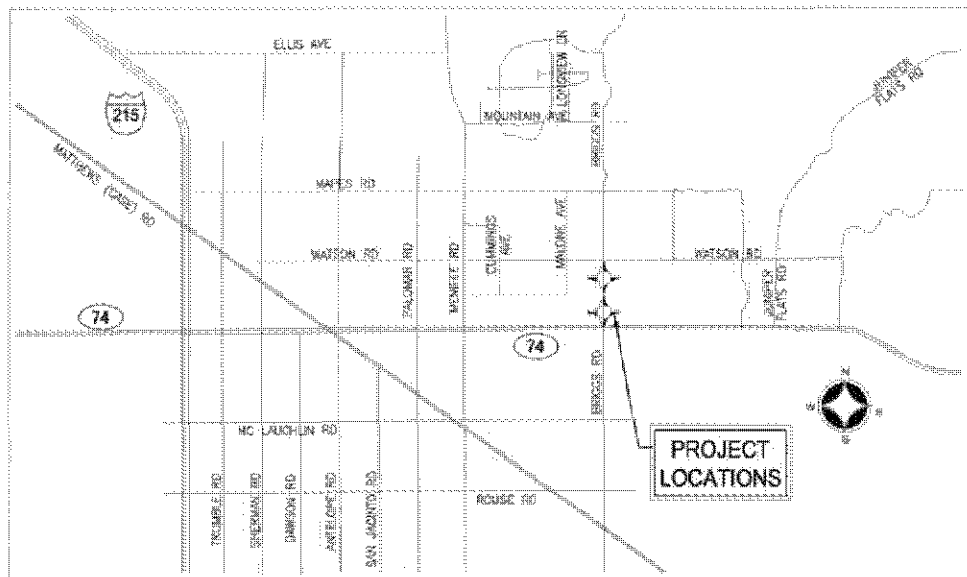
Job No. 04175-3
Enclosure B-50

APPENDIX "D"

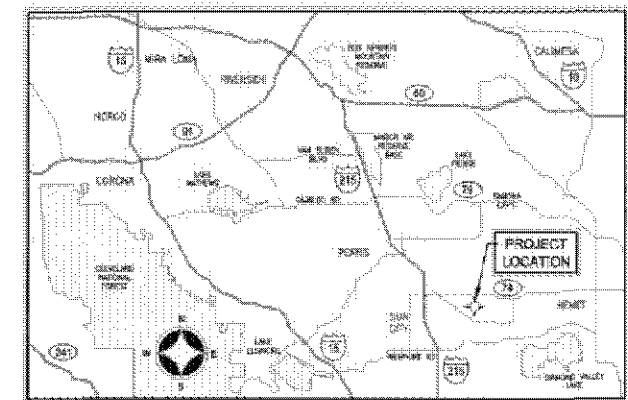
EASTERN MUNICIPAL WATER DISTRICT
DRAWINGS

EASTERN MUNICIPAL WATER DISTRICT OF RIVERSIDE COUNTY, CALIFORNIA

ROMOLAND/HOMELAND MDP UTILITY RELOCATIONS PROJECT PHASE 2



LOCATION MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

BOARD OF DIRECTORS

PRESIDENT	RANDY A. RECORD
VICE PRESIDENT	DAVID J. SLAWSON
BOARD MEMBER	JOSEPH J. KUEBLER
BOARD MEMBER	PHILIP E. PAULE
BOARD MEMBER	RONALD W. SULLIVAN
GENERAL MANAGER	PAUL D. JONES II, P.E.

APPROVED:

CHARLES J. BACHMANN, P.E.
ASSISTANT GENERAL MANAGER OF PLANNING, ENGINEERING AND CONSTRUCTION

SHEET INDEX

DRAWING NO.	SHEET NO.	DESCRIPTION
SK-1247	1	TITLE SHEET
SK-1248	2	INDEX MAP
SK-1249	3	4" SEWER LATERAL RELOCATION MOP LINE & BRIGGS ROAD LATERAL 1
SK-1250	4	4" SEWER LATERAL RELOCATION MOP LINE & BRIGGS ROAD LATERAL 2
SK-1251	5	4" SEWER LATERAL RELOCATION MOP LINE & BRIGGS ROAD LATERAL 3
SK-1252	6	4" SEWER LATERAL RELOCATION MOP LINE & BRIGGS ROAD LATERAL 4
SK-1253	7	4" SEWER LATERAL RELOCATION MOP LINE & BRIGGS ROAD LATERAL 5
SK-1254	8	4" SEWER LATERAL RELOCATION MOP LINE & BRIGGS ROAD LATERAL 6
SK-1255	9	4" SEWER LATERAL RELOCATION MOP LINE & BRIGGS ROAD LATERAL 7
SK-1256	10	4" SEWER LATERAL RELOCATION MOP LINE & BRIGGS ROAD LATERAL 8

DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXPRESSED RESPONSIBLE CHARGE OVER DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS OF EASTERN MUNICIPAL WATER DISTRICT IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

BRADLEY A. SACKETT R.C.E. 065862 DATE: 7/20/15

NOTE

ALL UNDERGROUND UTILITY LINES SHOWN PER THE PLANS FURNISHED BY THE RESPECTIVE UTILITY COMPANIES. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT (611) TO VERIFY THE UTILITIES ON SITE BEFORE COMMENCING CONSTRUCTION.

BASIS OF COORDINATES

DERIVED FROM COORDINATES PUBLISHED BY NATIONAL GEODETIC SURVEY (NAD83) AND AN AUTONOMOUS SETUP CALIFORNIA STATE PLANE COORDINATE SYSTEM CCS 83, ZONE 14, NAD 83 (1991.35 EPOCH).

BASIS OF BEARINGS

GRID NORTH FOR CALIFORNIA COORDINATE SYSTEM 1404 83, ZONE 14, TAKEN FROM THE STATIONS "PPBF".

BENCHMARK

NDS DESIGNATION: U 374
 NGS ID: D42564
 BENCHMARK: IRON SET IN CONCRETE POST, MARKED U 374 1949
 RECOVERY NOTE: BY METRO WATER DISTRICT SO CAL 1993
 ELEV. = 1979.81'
 DATUM = 1985 88



ALBERT A. WEBB ASSOCIATES
 ENGINEERING CONSULTANTS
 3706 MIDWAY STREET
 RIVERSIDE, CA 92506
 PH: (951) 498-1070
 FAX: (951) 508-1206

REVISIONS		APPROVED BY:
NO.	DATE	DATE



DIRECTOR OF ENGINEERING	DATE

EASTERN MUNICIPAL WATER DISTRICT	
PROJECT MANAGER	DATE

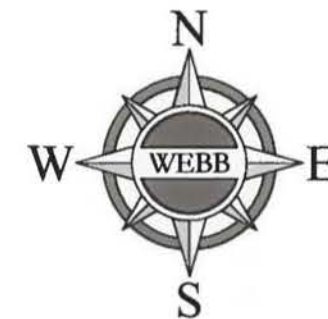
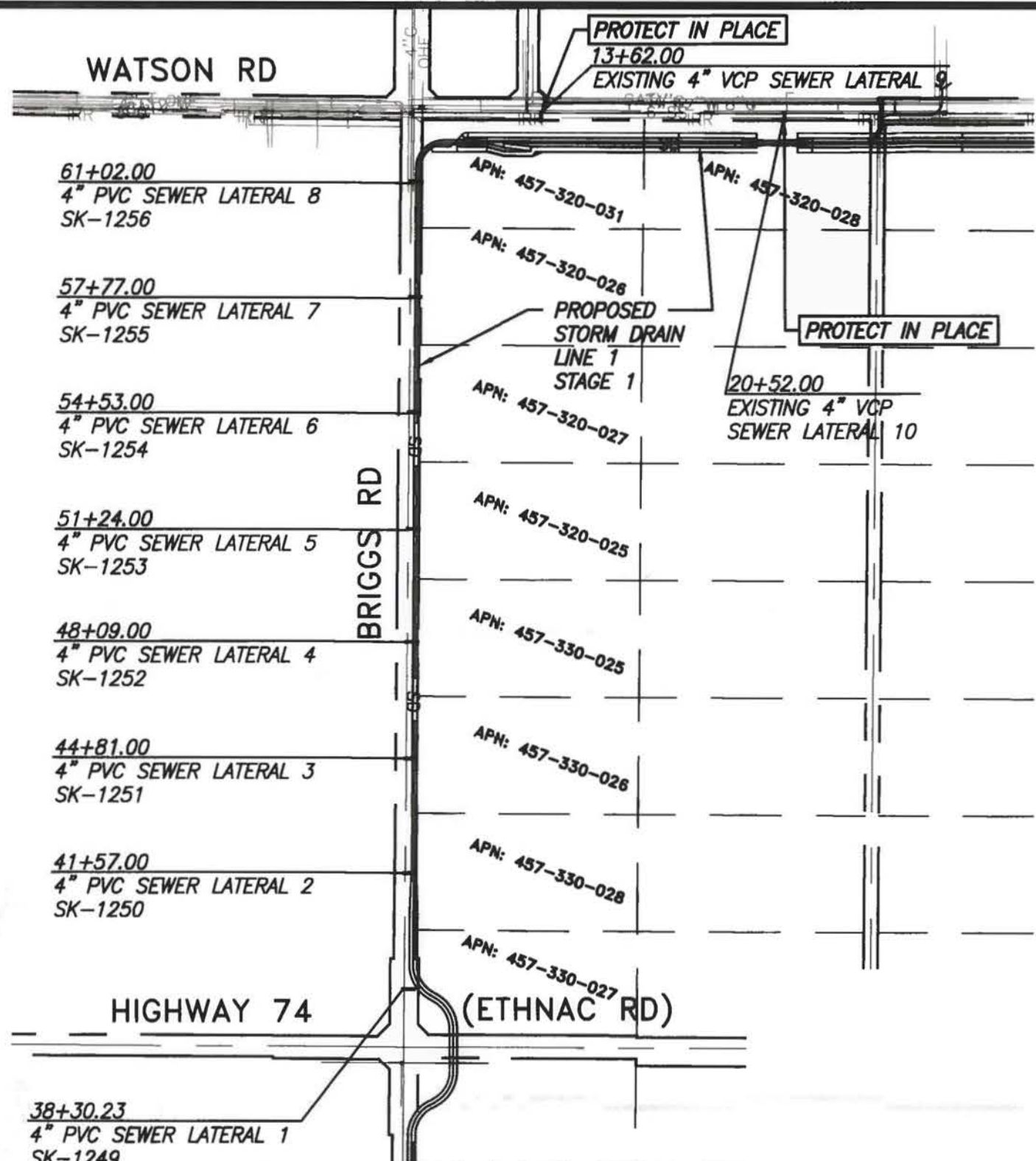
DESIGNED	DATE

EASTERN MUNICIPAL WATER DISTRICT
 RIVERSIDE COUNTY, CALIFORNIA
**ROMOLAND/HOMELAND MDP
 UTILITY RELOCATIONS PROJECT**
 TITLE SHEET

W.O. 13-402
 C.D. 88910
 SHEET 1 OF 10
 SK-1247

8/15/15 10:58 AM C:\Users\jbailey\Documents\811\811-13-402\811-13-402.dwg

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ALBERT A.
WEBB 3788 McCRAY STREET, RIVERSIDE, CA. 92506
ASSOCIATES PH. (951) 686-1070 FAX (951) 788-1256
DATE: 7-28-15
PREPARED BY: BRADLEY A. SACKETT R.C.E. NO. C65862

NO.	REVISIONS DESCRIPTION	APPR'D	DATE	APPROVALS			SCALE	AS SHOWN	DATE
				PROJECT ENG.	INITIAL	DATE			
				▲ S. FONG	ASF	7/29/15	DESIGNED	ASB	5/15
							DRAWN	ASB	5/15
							CHECKED	BAS	5/15
							REFERENCES		

EASTERN MUNICIPAL WATER DISTRICT
RIVERSIDE COUNTY, CALIFORNIA

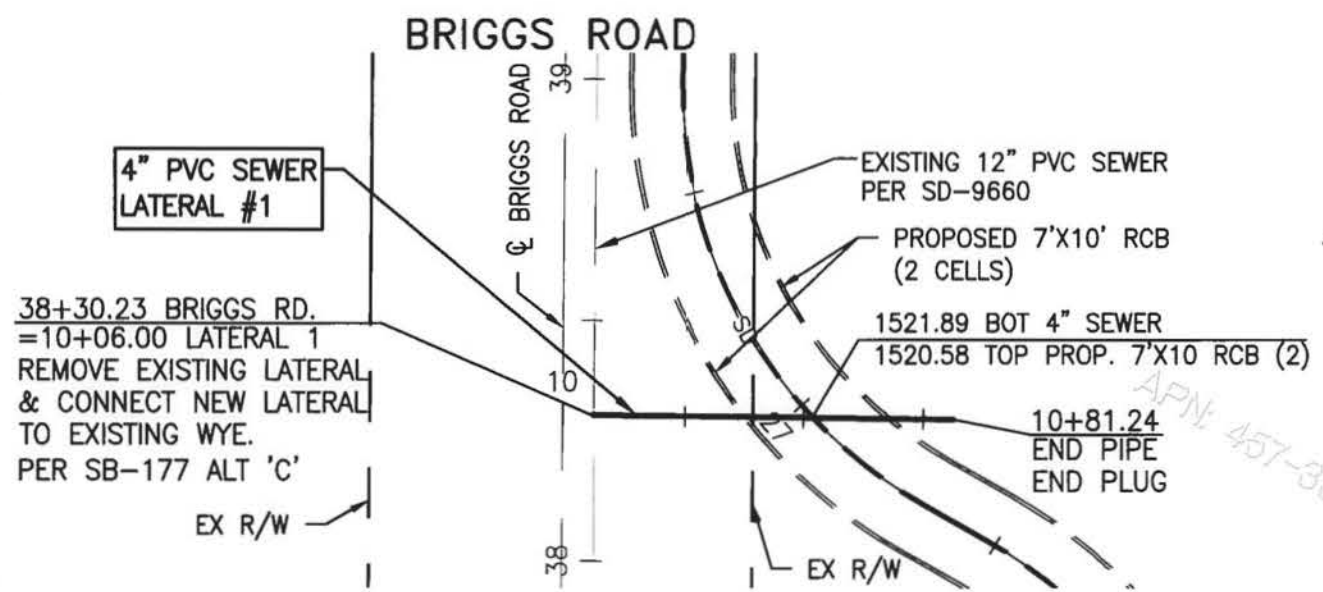
ROMOLAND/HOMELAND MDP
UTILITY RELOCATIONS PROJECT
INDEX MAP

W.O. 13-402
C.O. 68910
SHT. 2 OF 10

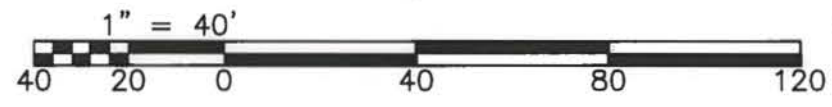
APPROVED: *Albert A. Webb* 7-29-15
CIVIL ENGINEER OF SUBDIVISION DATE

SK-1248

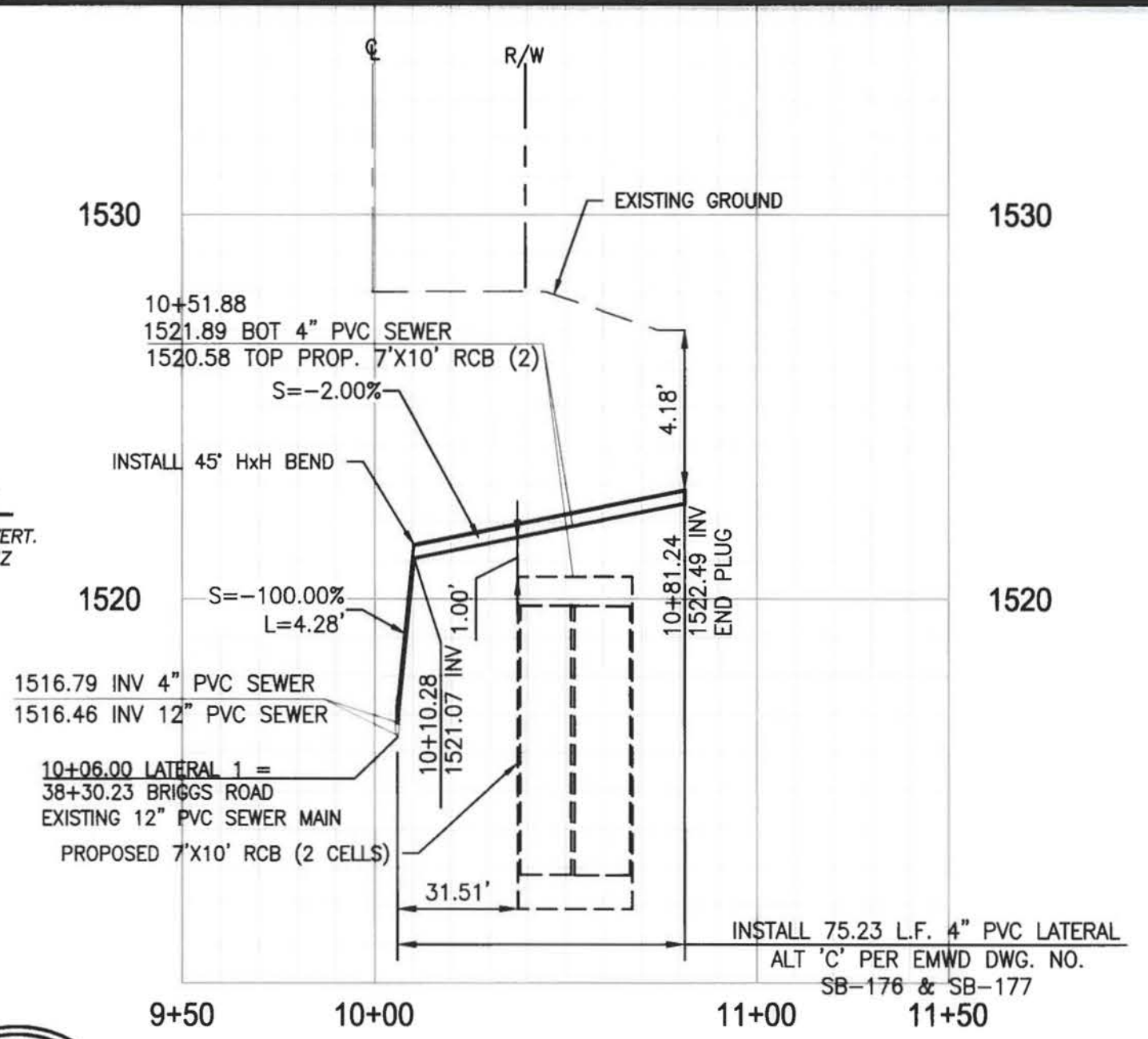
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PLAN
SCALE: 1"=40'



PROFILE
SCALE 1" = 4' - VERT.
1" = 40' - HORIZ



ALBERT A.
WEBB 3788 McCray Street, Riverside, CA. 92506
ASSOCIATES PH. (951) 686-1070 FAX (951) 788-1256
DATE: 7-28-15
PREPARED BY: BRADLEY A. SACKETT R.C.E. NO. C65862

REVISIONS		APPROVALS			SCALE	AS SHOWN	DATE
NO.	DESCRIPTION	APPR'D	DATE	PROJECT ENG.	INITIAL	DATE	DESIGNED
				ASFONG	ASF	7/29/15	ASB
							ASB
							BAS
REFERENCES							
SD-9660							

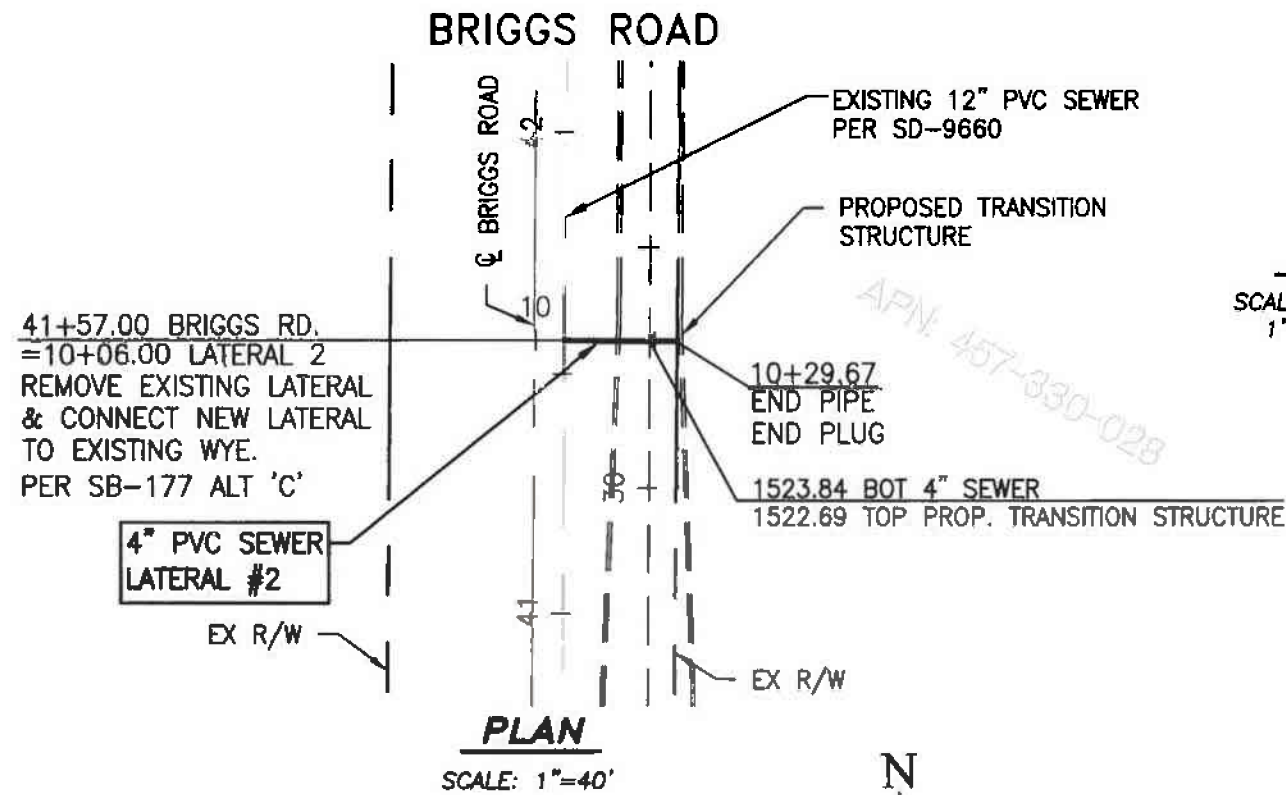
EASTERN MUNICIPAL WATER DISTRICT
RIVERSIDE COUNTY, CALIFORNIA

4" SEWER LATERAL RELOCATION
MDP LINE & BRIGGS ROAD LATERAL 1

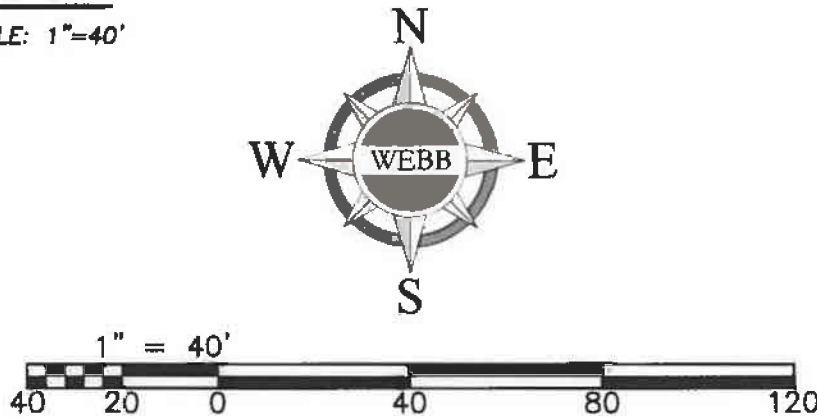
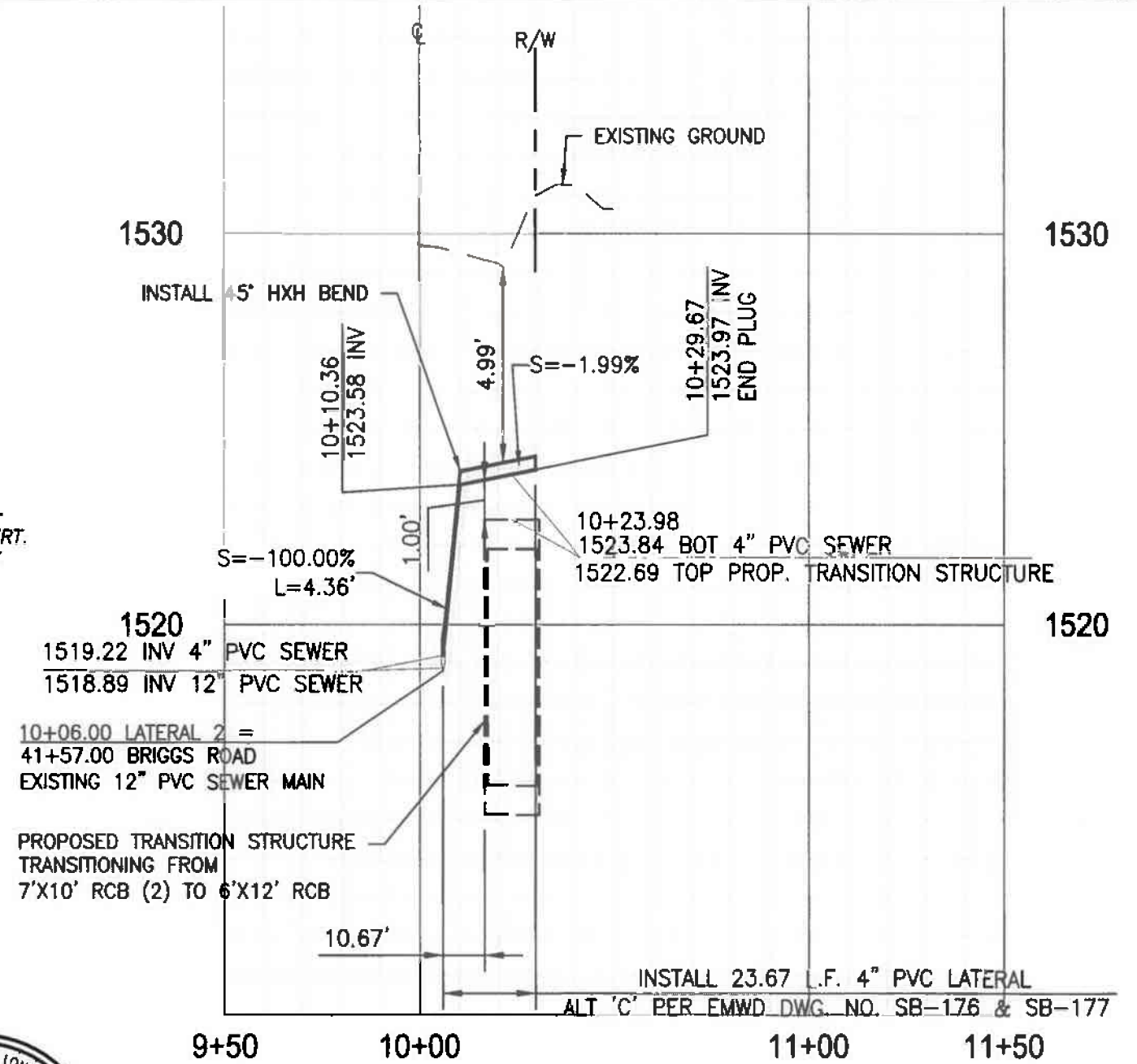
APPROVED: *Bradley A. Sackett* 7-29-15
CIVIL ENGINEER OF SUBDIVISION DATE

W.O. 13-402
C.O. 68910
SHT. 3 OF 10
SK-1249

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PROFILE
SCALE 1" = 4' - VERT.
1" = 40' - HORIZ



ALBERT A.
WEBB 3788 McCray Street, Riverside, CA. 92506
ASSOCIATES PH. (951) 686-1070 FAX (951) 788-1256
DATE: 7-28-15
PREPARED BY: BRADLEY A. SACKETT R.C.E. NO. C65862

REVISIONS		APPROVALS			SCALE		AS SHOWN		DATE
NO.	DESCRIPTION	APPR'D	DATE	PROJECT ENG.	INITIAL	DATE	DESIGNED	ASB	5/15
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							CHECKED	BAS	5/15
REFERENCES									
SD-9660									

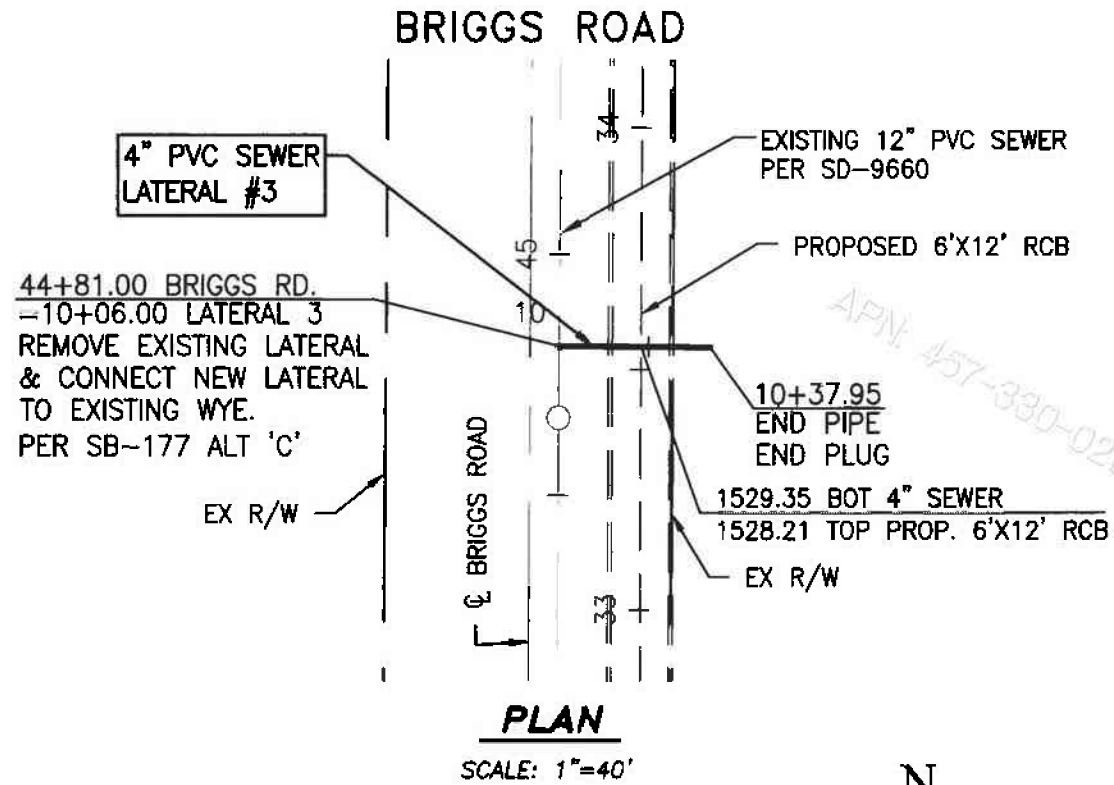
EASTERN MUNICIPAL WATER DISTRICT
RIVERSIDE COUNTY, CALIFORNIA

4" SEWER LATERAL RELOCATION
MDP LINE & BRIGGS ROAD LATERAL 2

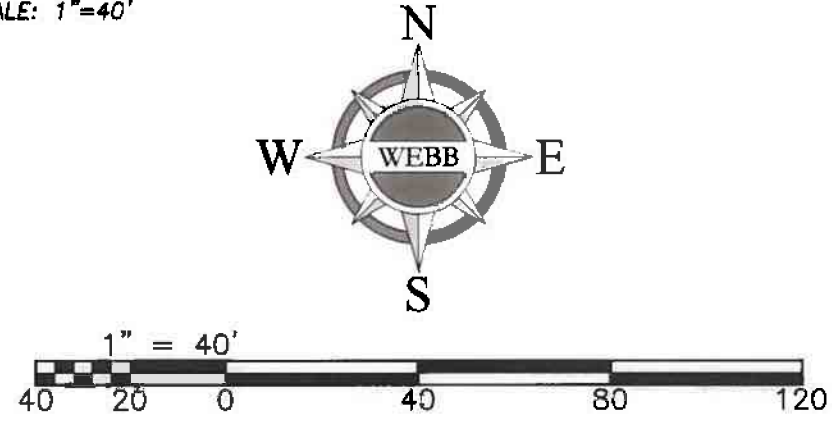
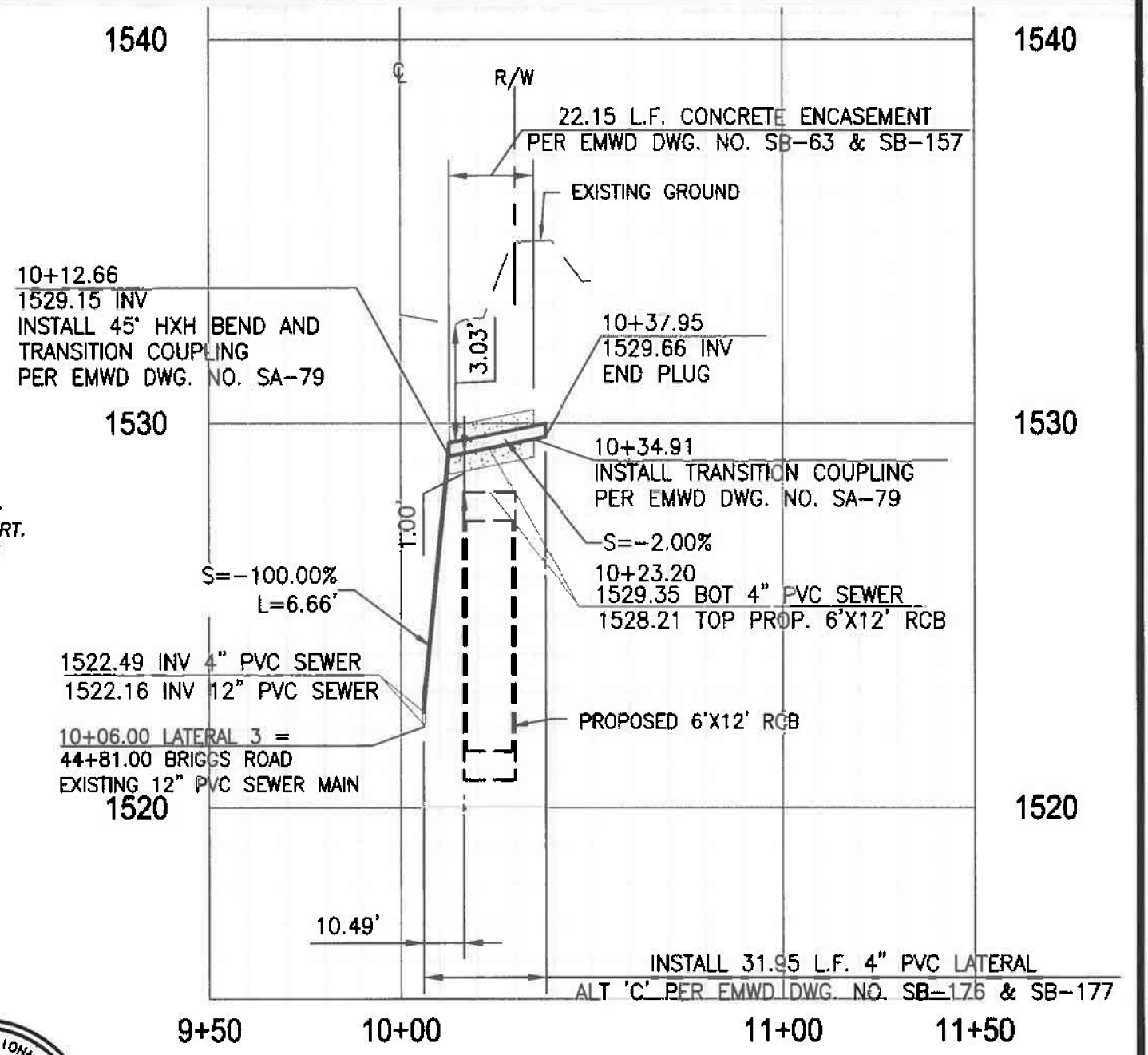
W.O. 13-402
C.O. 68910
SHT. 4 OF 10
SK-1250

APPROVED: *Albert A. Webb* 7-29-15
CIVIL ENGINEER OF SUBDIVISION DATE

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PROFILE
SCALE 1" = 4' - VERT.
1" = 40' - HORIZ



ALBERT A.
WEBB ASSOCIATES
3788 McCRAY STREET, RIVERSIDE, CA. 92506
PH. (951) 686-1070 FAX (951) 788-1256
DATE: 7-28-15
PREPARED BY: BRADLEY A. SACKETT R.C.E. NO. C65862

REVISIONS		APPROVALS			SCALE	AS SHOWN	DATE
NO.	DESCRIPTION	APPR'D	DATE	PROJECT ENG.	INITIAL	DATE	
				A. S. FONG	ASF	7/29/15	DESIGNED ASB 5/15
							DRAWN ASB 5/15
							CHECKED BAS 5/15
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							SD-9660

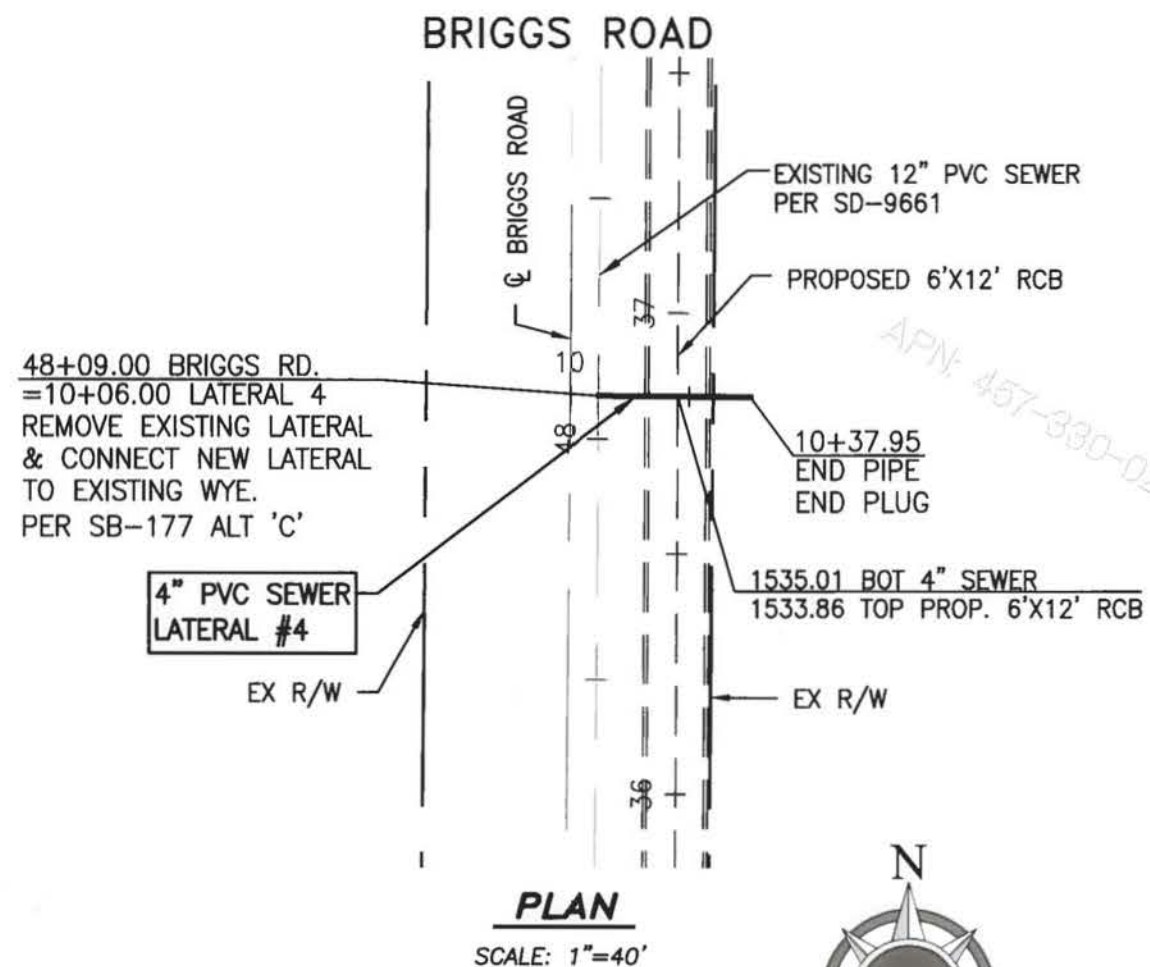
EASTERN MUNICIPAL WATER DISTRICT
RIVERSIDE COUNTY, CALIFORNIA

4" SEWER LATERAL RELOCATION
MDP LINE & BRIGGS ROAD LATERAL 3

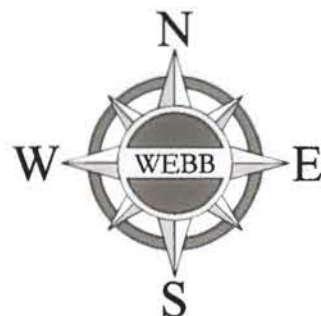
APPROVED: *Bradley A. Sackett* 7-29-15
CIVIL ENGINEER OF SUBDIVISION DATE

W.O. 13-402
C.O. 68910
SHT. 5 OF 10
SK-1251

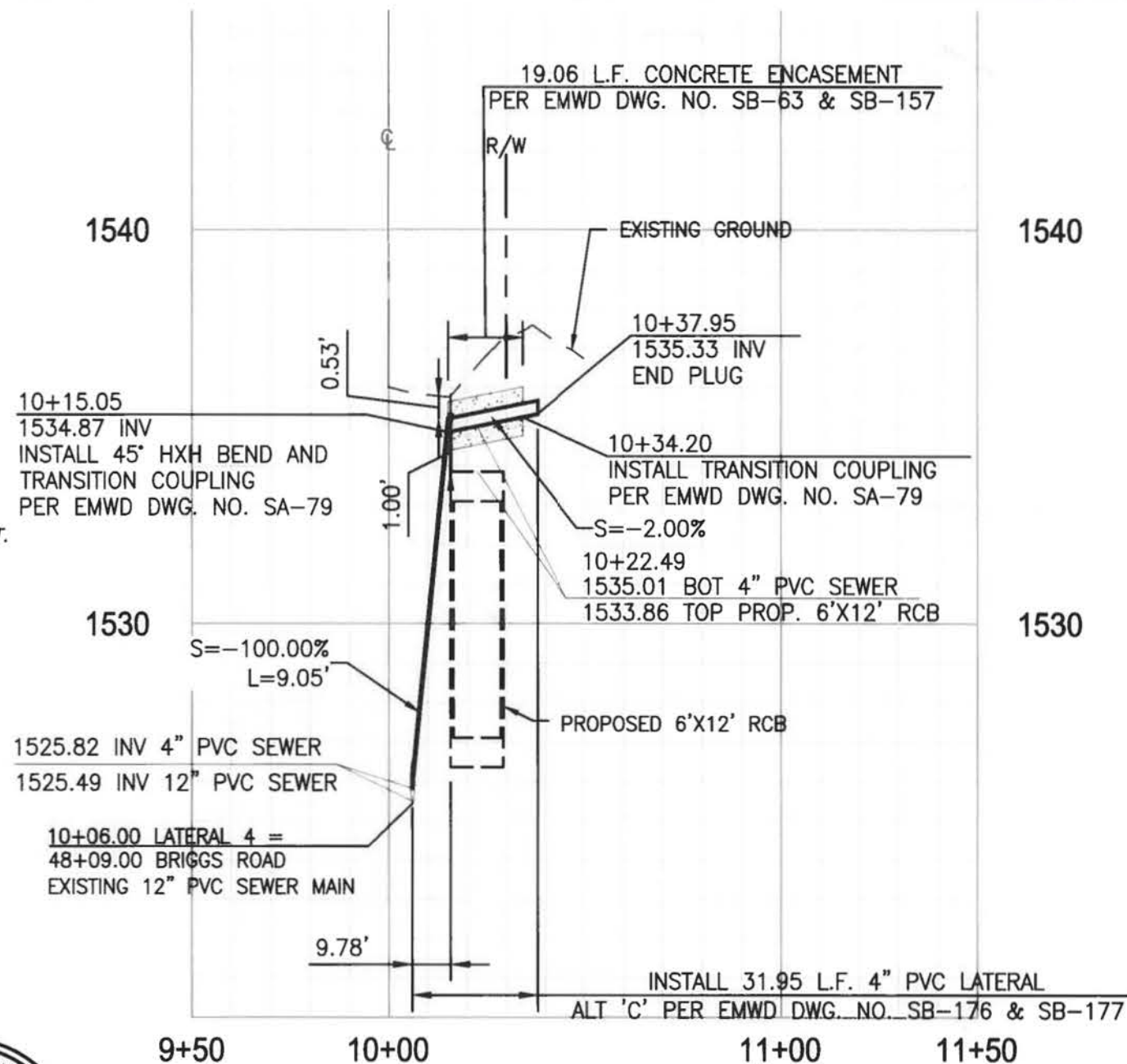
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PLAN
SCALE: 1"=40'



PROFILE
SCALE 1" = 4' - VERT.
1" = 40' - HORIZ



ALBERT A. **WEBB** 3788 McCRAY STREET, RIVERSIDE, CA. 92506
 ASSOCIATES PH. (951) 686-1070 FAX (951) 788-1256
 DATE: 7-28-15
 PREPARED BY: BRADLEY A. SACKETT R.C.E. NO. C65862

REVISIONS		APPROVALS			SCALE	AS SHOWN	DATE
NO.	DESCRIPTION	APPR'D	DATE	PROJECT ENG.	INITIAL	DATE	
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SD-9661							

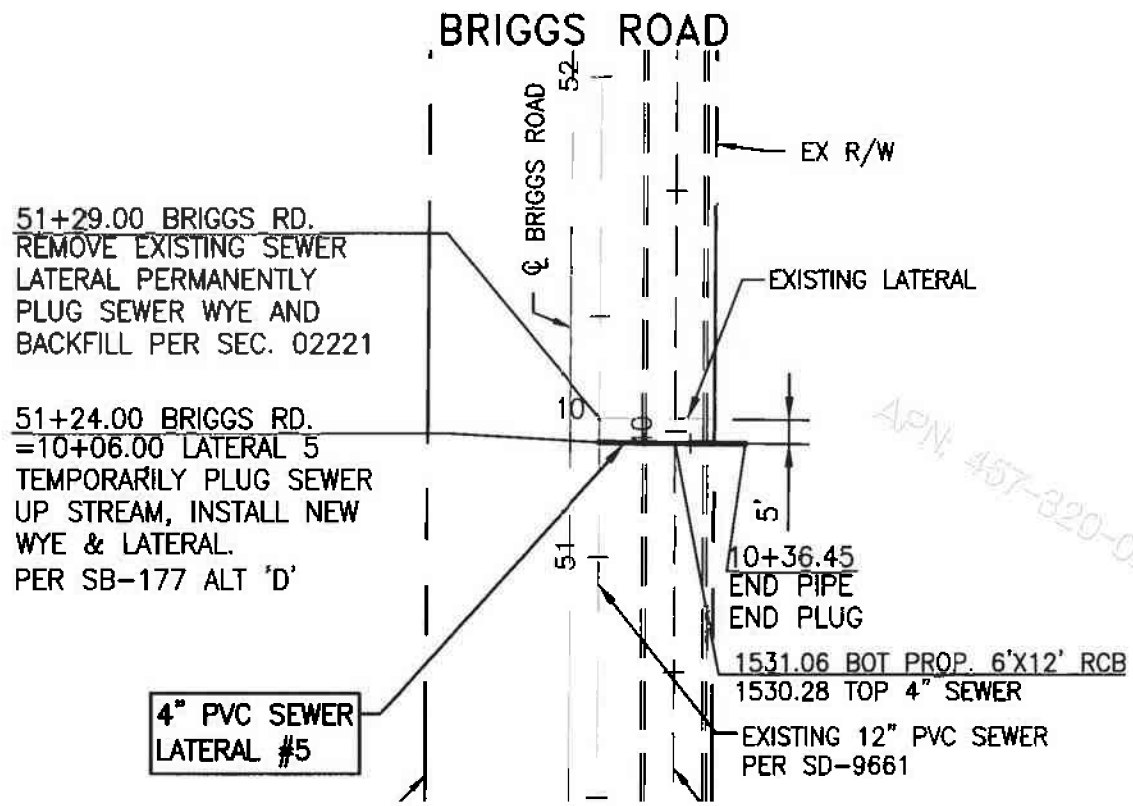
EASTERN MUNICIPAL WATER DISTRICT
 RIVERSIDE COUNTY, CALIFORNIA

4" SEWER LATERAL RELOCATION
MDP LINE & BRIGGS ROAD LATERAL 4

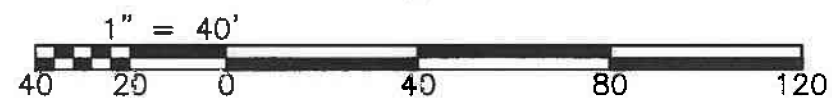
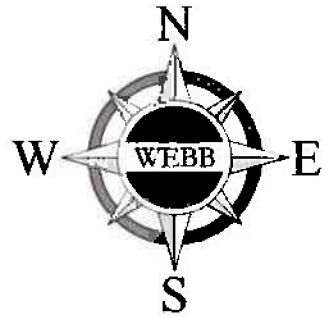
W.O. 13-402
 C.O. 68910
 SHT. 6 OF 10
 SK-1252

APPROVED: *[Signature]* 7-29-15
 CIVIL ENGINEER OF SUBDIVISION DATE

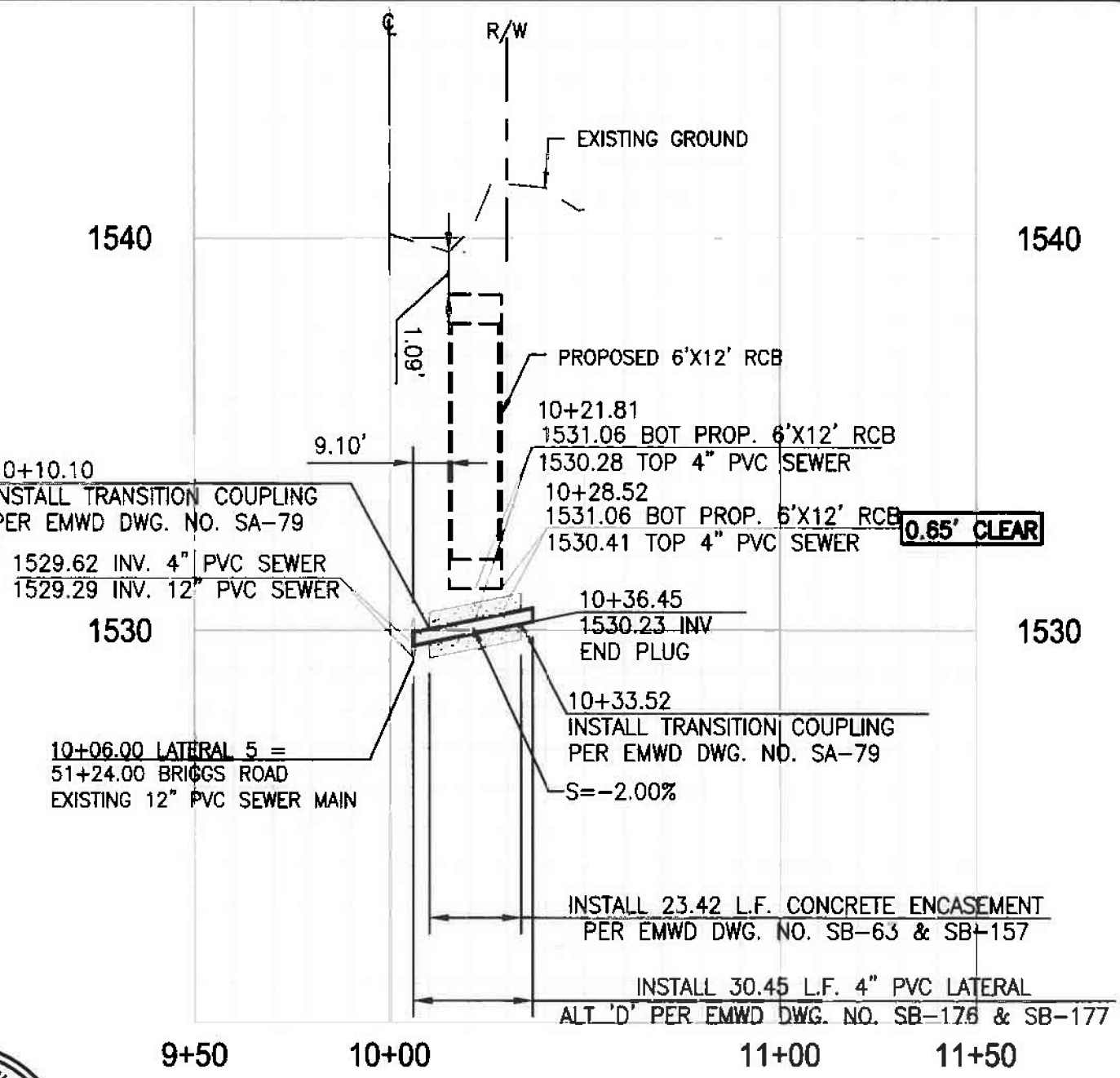
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PLAN
SCALE: 1"=40'



PROFILE
SCALE 1" = 4' - VERT.
1" = 40' - HORIZ



ALBERT A. **WEBB** ASSOCIATES
3788 McCRAY STREET, RIVERSIDE, CA. 92506
PH. (951) 686-1070 FAX (951) 788-1256
DATE: 7-28-15
PREPARED BY: BRADLEY A. SACKETT R.C.E. NO. C65862

REVISIONS		APPROVALS			SCALE	AS SHOWN	DATE
NO.	DESCRIPTION	APPR'D	DATE	PROJECT ENG.	INITIAL	DATE	
				A. S. FONG	ASF	7/29/15	DESIGNED ASB 5/15
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							CHECKED BAS 5/15
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SD-9661							

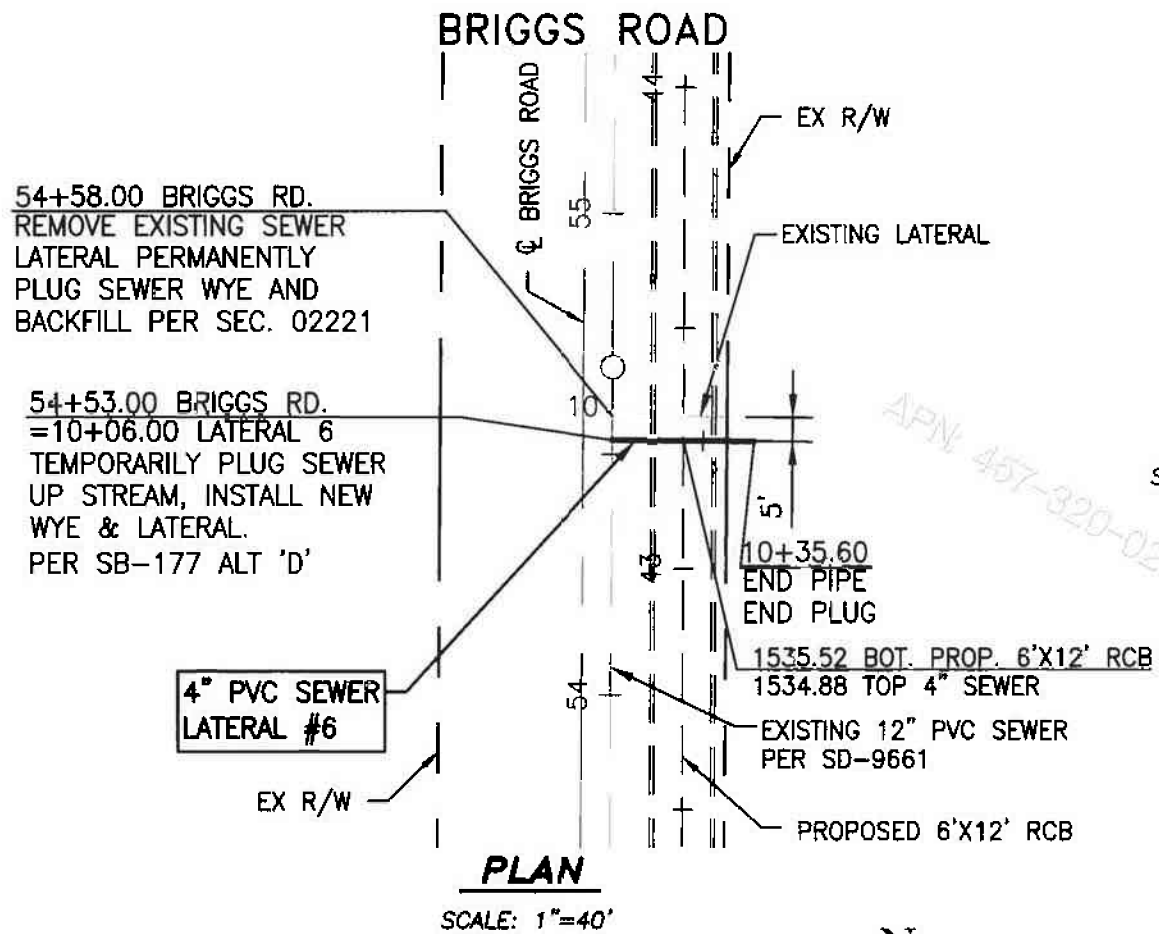
EASTERN MUNICIPAL WATER DISTRICT
RIVERSIDE COUNTY, CALIFORNIA

4" SEWER LATERAL RELOCATION
MDP LINE & BRIGGS ROAD LATERAL 5

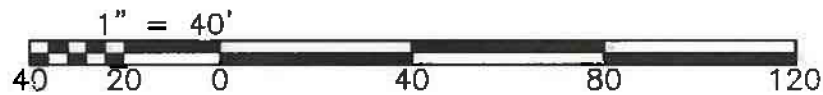
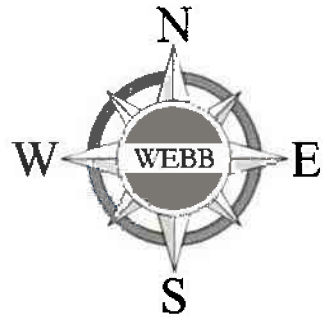
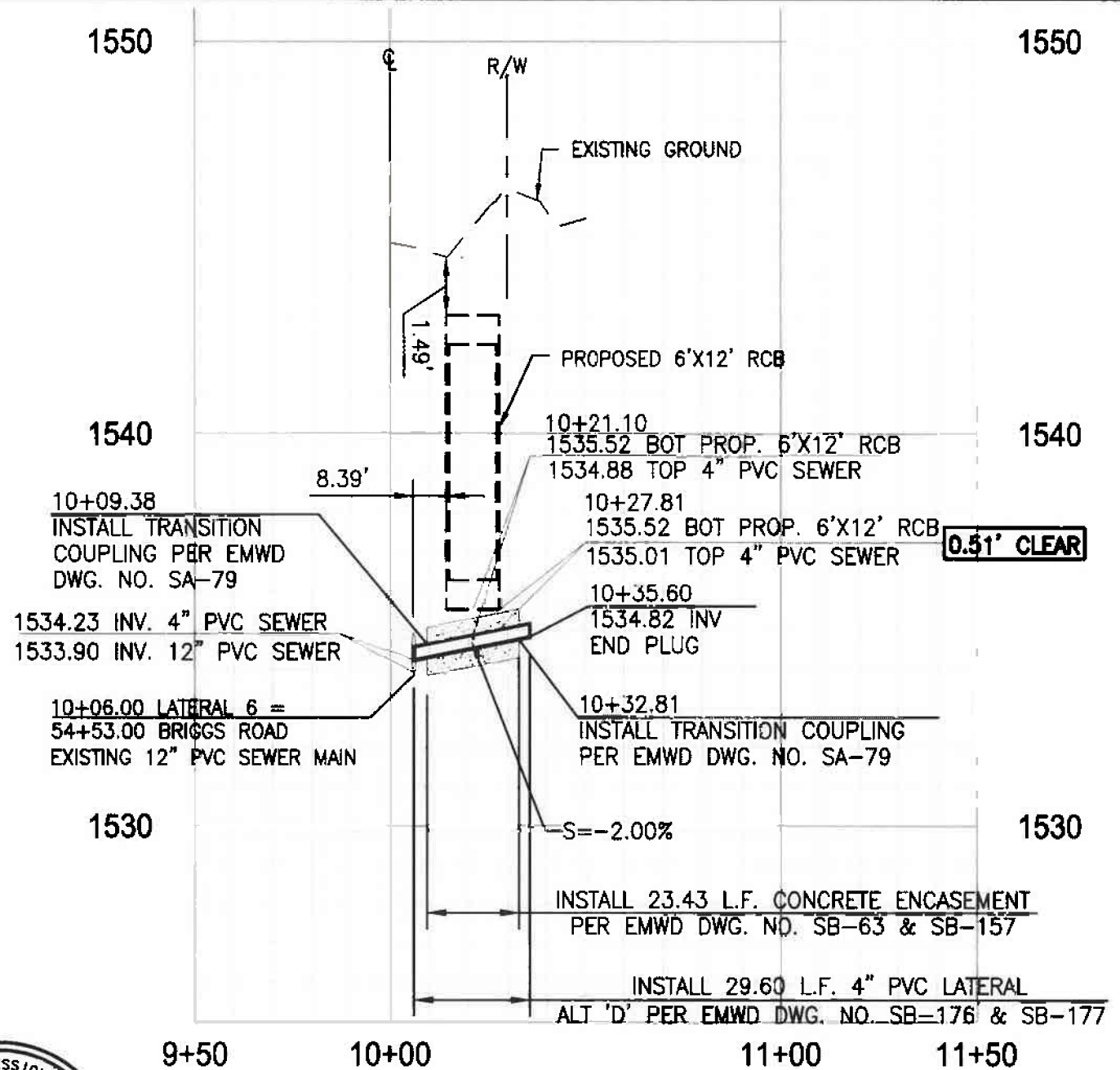
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CIVIL ENGINEER OF SUBDIVISION DATE

W.O. 13-402
C.O. 68910
SHT. 7 OF 10
SK-1253

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PROFILE
SCALE 1" = 4' - VERT.
1" = 40' - HORIZ



ALBERT A. **WEBB** ASSOCIATES PH.
3788 McCRAY STREET, RIVERSIDE, CA. 92506
(951) 686-1070 FAX (951) 788-1256
DATE: 7-28-15
PREPARED BY: BRADLEY A. SACKETT R.C.E. NO. C65862

REVISIONS		APPROVALS			SCALE	AS SHOWN	DATE
NO.	DESCRIPTION	APPR'D	DATE	PROJECT ENG.	INITIAL	DATE	
				A. S. FONG	ASF	7/29/15	DESIGNED ASB 5/15
							DRAWN ASB 5/15
							CHECKED BAS 5/15
REFERENCES							
SD-9661							

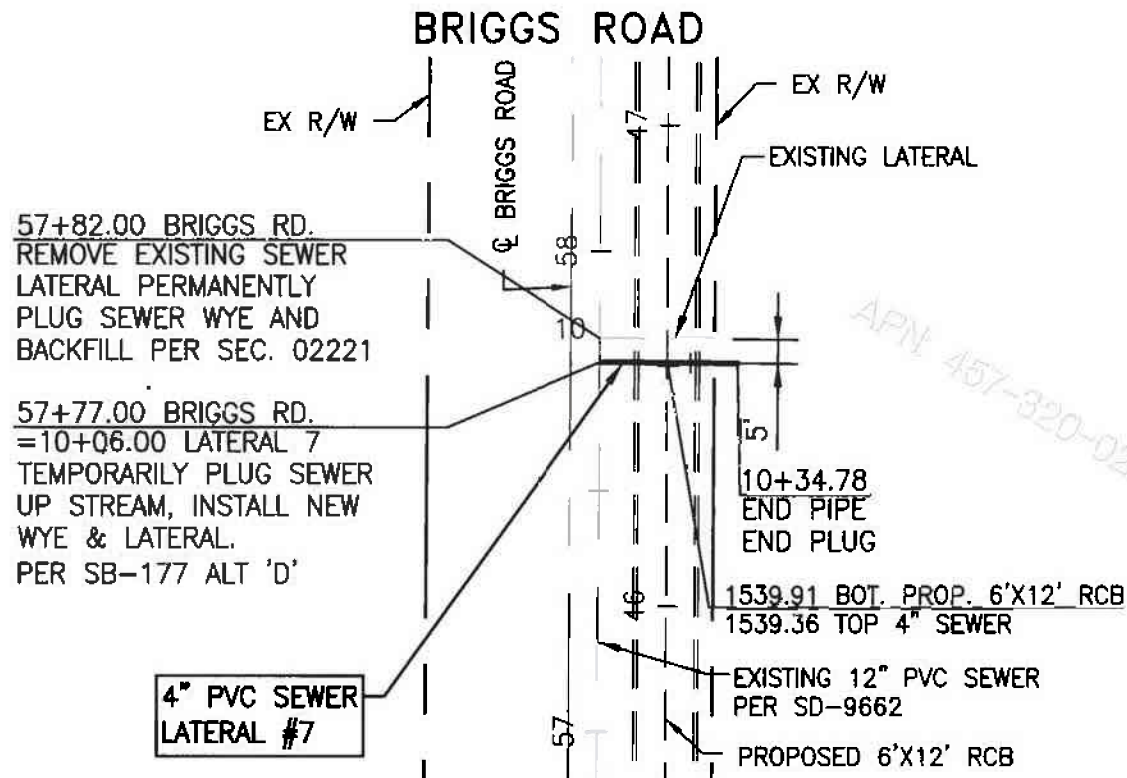
EASTERN MUNICIPAL WATER DISTRICT
RIVERSIDE COUNTY, CALIFORNIA

4" SEWER LATERAL RELOCATION
MDP LINE & BRIGGS ROAD LATERAL 6

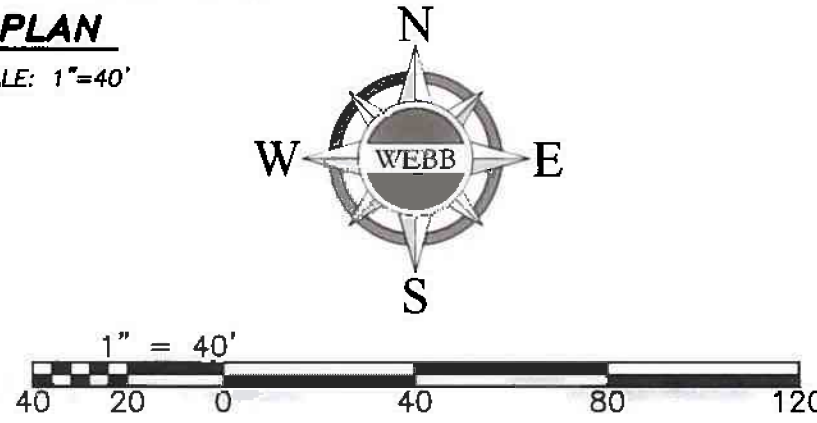
W.O. 13-402
C.O. 68910
SHT. 8 OF 10
SK-1254

APPROVED: *Albert A. Webb* 7/29/15
CIVIL ENGINEER OF SUBDIVISION DATE

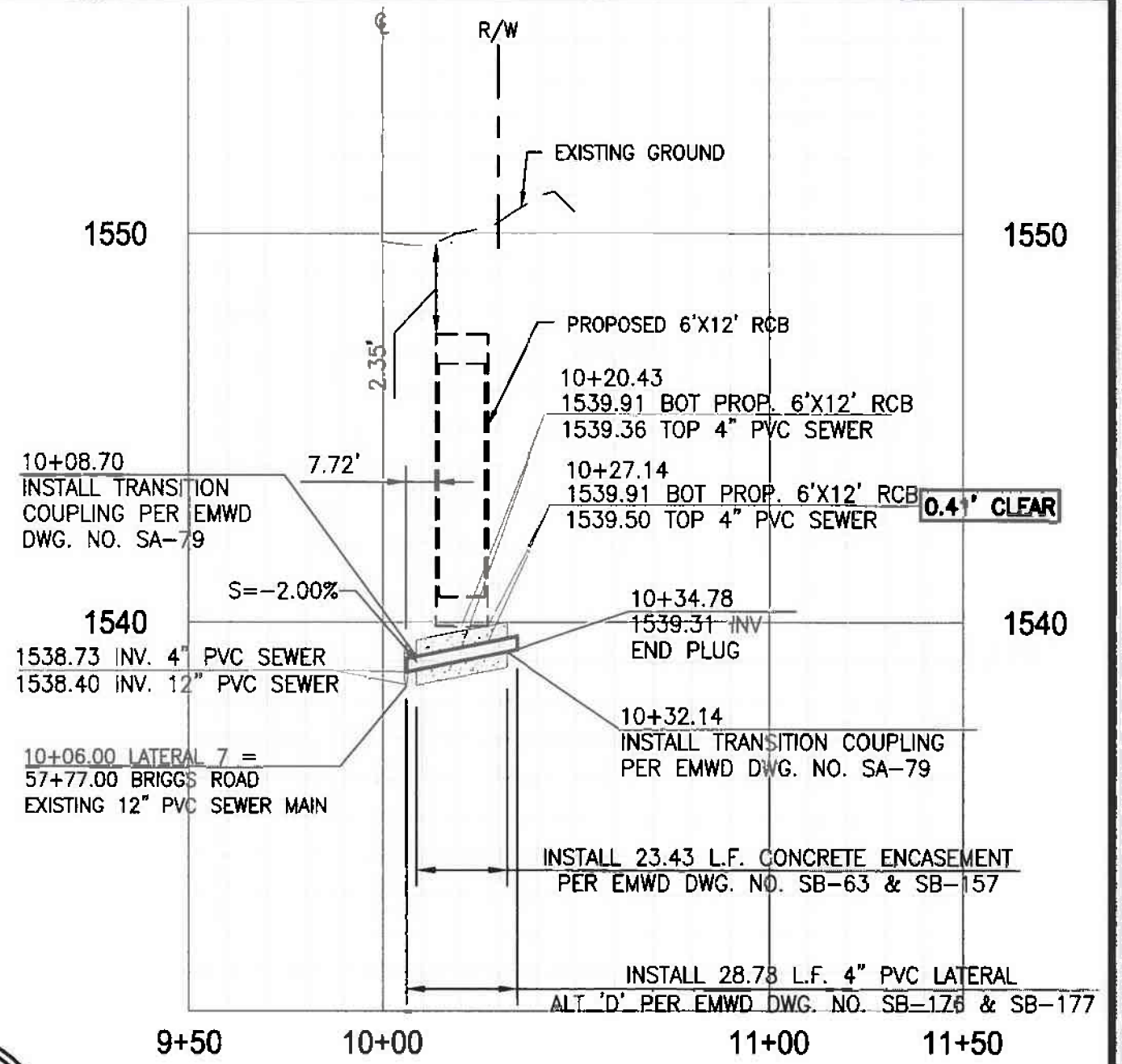
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PLAN
SCALE: 1"=40'



PROFILE
SCALE 1" = 4' - VERT.
1" = 40' - HORIZ



ALBERT A.
WEBB 3788 McCRAY STREET, RIVERSIDE, CA. 92506
ASSOCIATE PH. (951) 686-1070 FAX (951) 788-1256
DATE: 7-28-15
PREPARED BY: BRADLEY A. SACKETT R.C.E. NO. C65862

REVISIONS		APPROVALS			SCALE	AS SHOWN	DATE
NO.	DESCRIPTION	APPR'D	DATE	PROJECT ENG.	INITIAL	DATE	
				A.S. FONG	ASF	7/29/15	DESIGNED ASB 5/15
							DRAWN ASB 5/15
							CHECKED BAS 5/15
REFERENCES							
SD-9662							

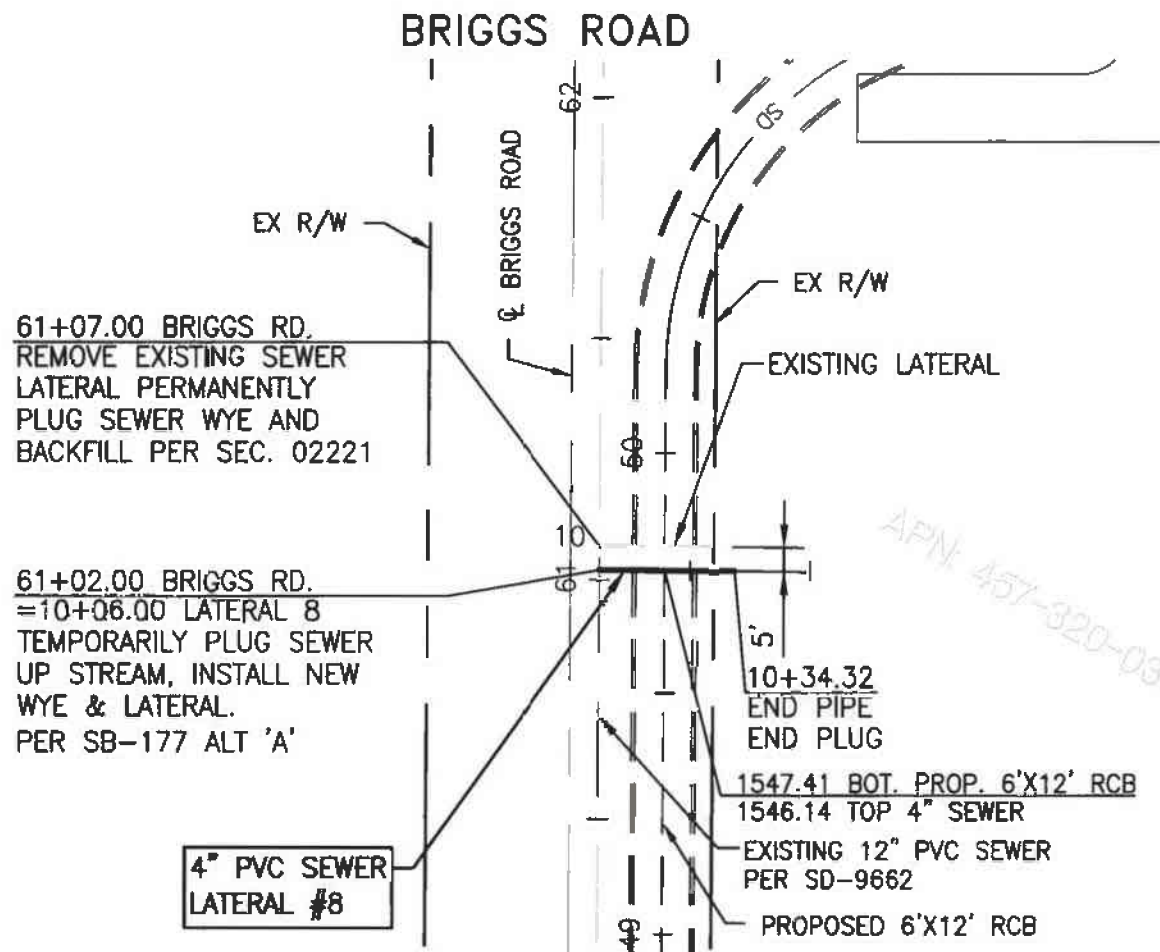
EASTERN MUNICIPAL WATER DISTRICT
RIVERSIDE COUNTY, CALIFORNIA

4" SEWER LATERAL RELOCATION
MDP LINE & BRIGGS ROAD LATERAL 7

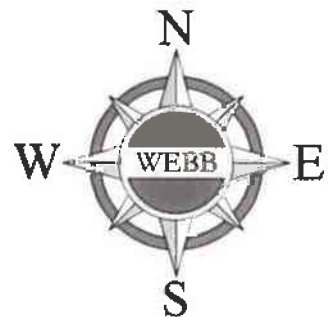
APPROVED: *Mauro Sackett* 7-29-15
CIVIL ENGINEER OF SUBDIVISION DATE

W.O.	13-402
C.O.	68910
SHT.	9 OF 10
SK-	1255

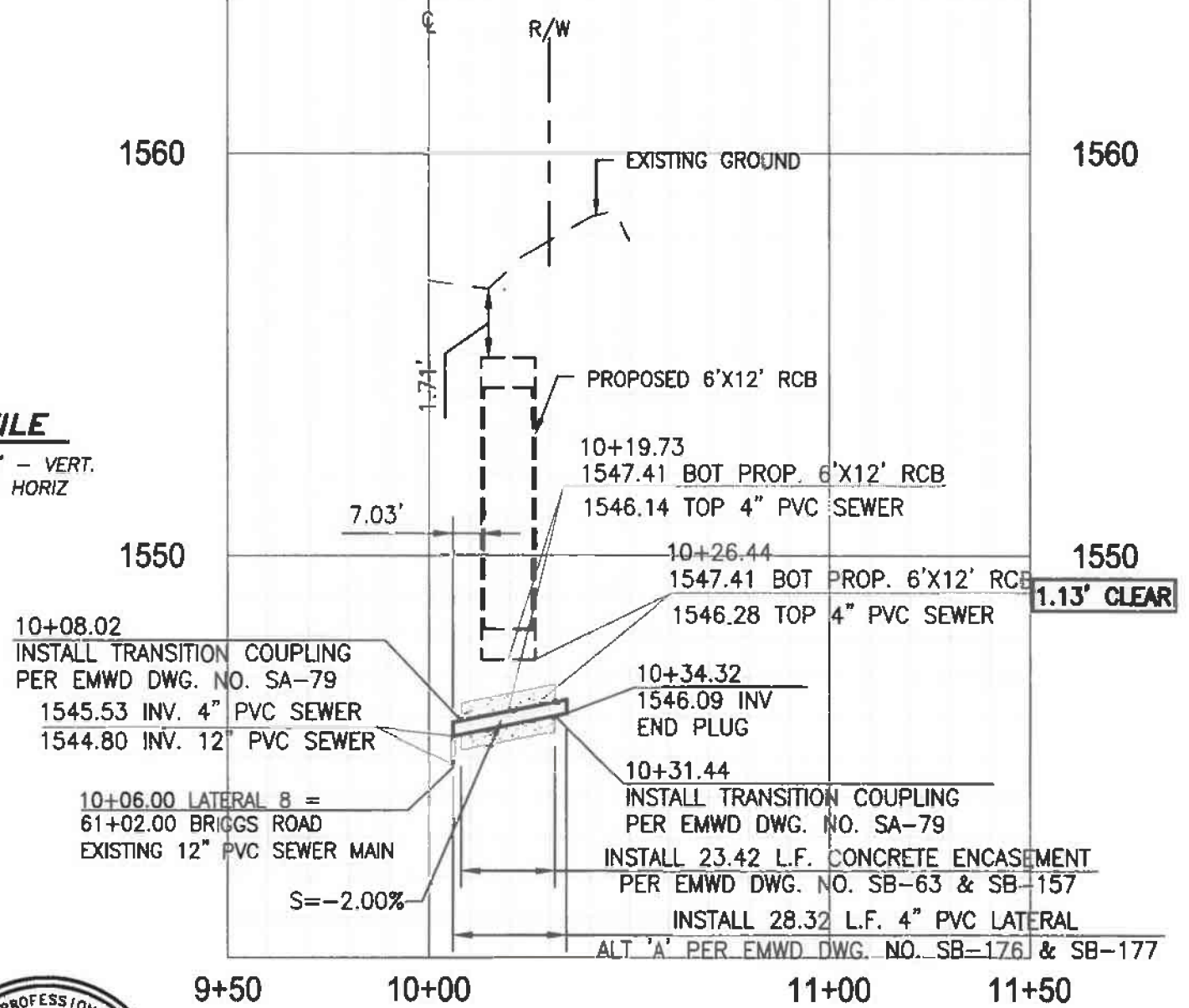
G:\2014\14-0183\DRAWINGS\DESIGN\14-0183-EXISTING SEWER BRIGGS ROAD VS SD-3.DWG 7/28/2015 2:13 PM



PLAN
SCALE: 1"=40'



PROFILE
SCALE 1" = 4' - VERT.
1" = 40' - HORIZ



ALBERT A.
WEBB 3788 McCray Street, Riverside, CA. 92506
ASSOCIATE PH. (951) 686-1070 FAX (951) 788-1256
DATE: 7-28-15
PREPARED BY: BRADLEY A. SACKETT R.C.E. NO. C65862

REVISIONS		APPROVALS			SCALE		AS SHOWN		DATE
NO.	DESCRIPTION	APPR'D	DATE	PROJECT ENG.	INITIAL	DATE	DESIGNED	ASB	5/15
				A. S. FONG	ASF	7/29/15	DRAWN	ASB	5/15
							CHECKED	BAS	5/15
REFERENCES									
SD-9662									

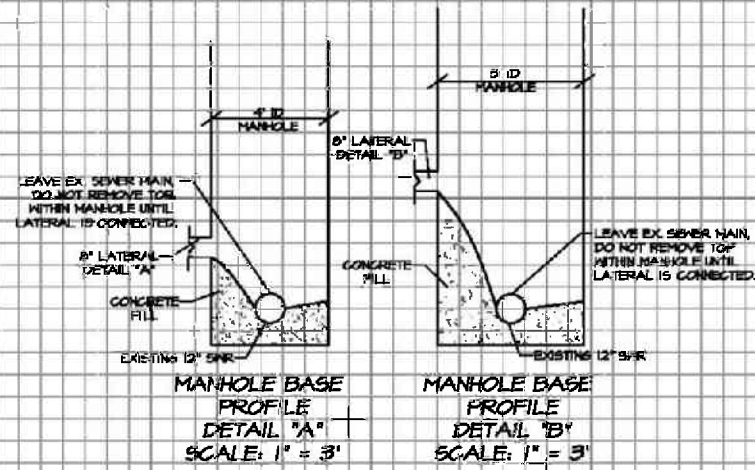
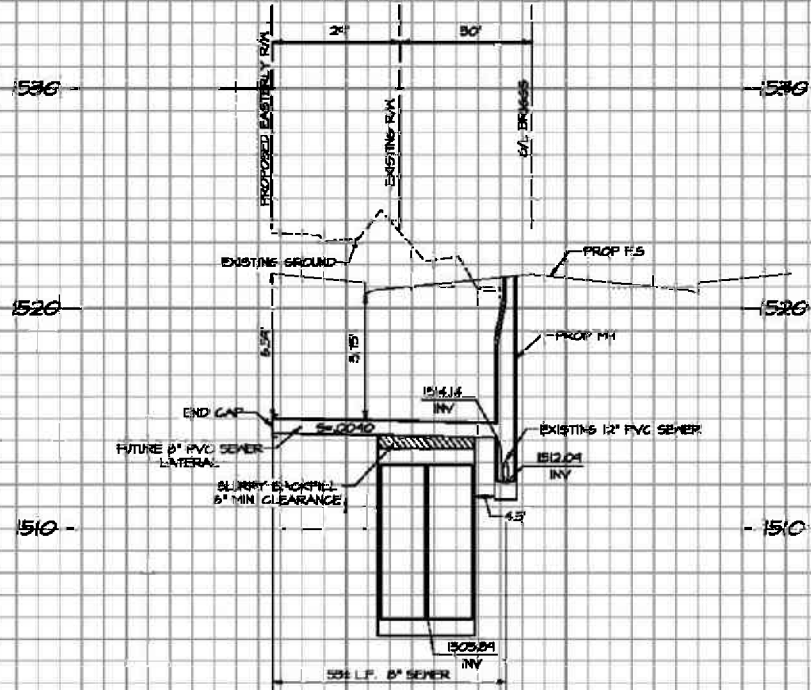
EASTERN MUNICIPAL WATER DISTRICT
RIVERSIDE COUNTY, CALIFORNIA

4" SEWER LATERAL RELOCATION
MDP LINE & BRIGGS ROAD LATERAL 8

W.O. 13-402
C.O. 68910
SHT. 10 OF 10
SK-1256

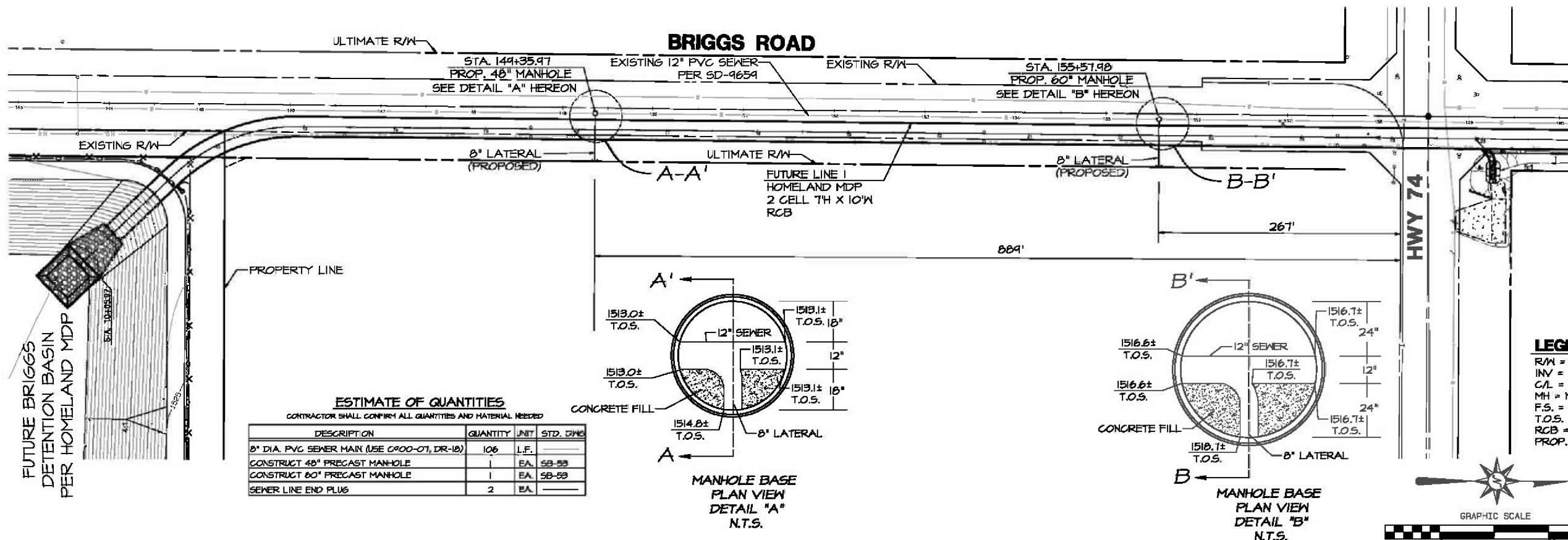
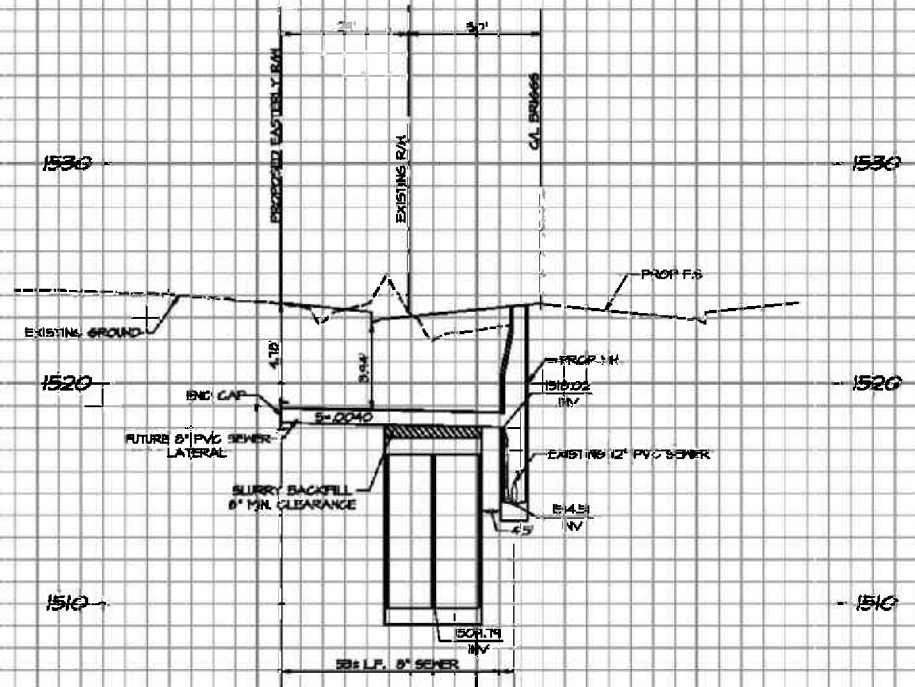
APPROVED: *Bradley A. Sackett* 7-29-15
CIVIL ENGINEER OF SUBDIVISION DATE

DETAIL "A"
8" LATERAL
 889' SOUTHERLY OF NORTH PROPERTY LINE
 STA. 149+35.97



PROFILE SCALES
 HORIZ. 1" = 20'
 VERT. 1" = 4'

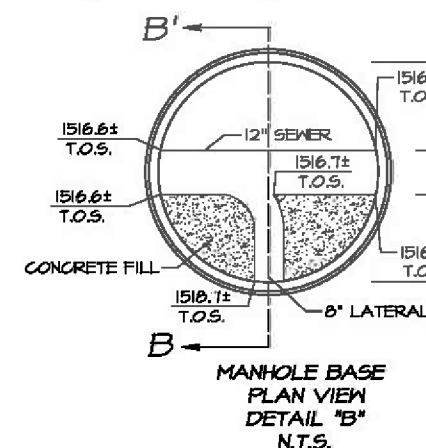
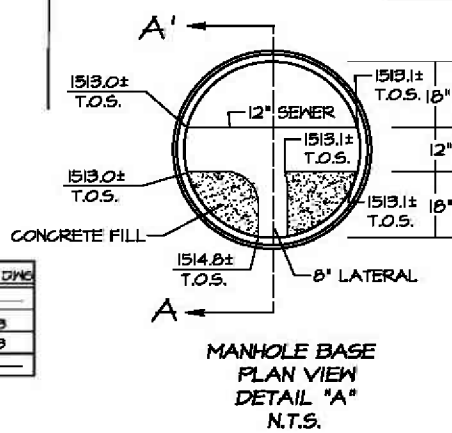
DETAIL "B"
8" LATERAL
 267' SOUTHERLY OF NORTH PROPERTY LINE
 STA. 155+57.98



ESTIMATE OF QUANTITIES

CONTRACTOR SHALL CONFIRM ALL QUANTITIES AND MATERIAL NEEDED

DESCRIPTION	QUANTITY	UNIT	STD. DWG.
8" DIA. PVC SEWER MAIN (SEE C900-07, DR-18)	106	L.F.	
CONSTRUCT 48" PRECAST MANHOLE	1	EA.	58-58
CONSTRUCT 60" PRECAST MANHOLE	1	EA.	58-58
SEWER LINE END PLUG	2	EA.	



LEGEND

- R/W = RIGHT OF WAY
- INV = INVERT
- C/L = CENTERLINE
- MH = MANHOLE
- F.S. = FINISH SURFACE
- T.O.S. = TOP OF SHELF
- RCB = REINFORCE CONCRETE BOX
- PROP. = PROPOSED

CONTRACTOR TO OBTAIN APPROVAL BY EMWD PRIOR TO INSTALLATION

UNDERGROUND SERVICE ALERT



CALL: TOLL FREE
 1-800
 227-2600
NO WORKING DAYS BEFORE YOU DIG

SEAL - ENGINEER



ALBERT A. WEBB ASSOCIATES

CIVIL ENGINEERS
 3788 McCRA Y ST.
 RIVERSIDE, CA 92506
 PH: (951) 686-1070
 FAX: (951) 788-1256

PREPARED BY: SCOTT R. HILDEBRANDT R.C.E. NO. C44762
 DATE: EXP. DATE 03-31-18

REVISIONS				
NO.	DATE	INITIAL	DESCRIPTION	APP'VD / DATE

EASTERN MUNICIPAL WATER DISTRICT
 8770 THUNDER ROAD
 P.O. BOX 6500
 FERRIS, CA 94506
 (925) 525-9777
 (925) 525-6177 (FAX)

DIRECTOR OF ENGINEERING DATE

EASTERN MUNICIPAL WATER DISTRICT		DATE	
PROJECT NUMBER	INITIAL	DATE	DATE

EASTERN MUNICIPAL WATER DISTRICT
 RIVERSIDE COUNTY, CALIFORNIA
PSAROS SITE
8" LATERAL CONNECTIONS
BRIGGS RD
STA 149+35.97 & STA. 155+57.98

LB	00
S.A.	00
T.O.	-
C.O.	00000
COORD.	000-00
SHT. 1 OF 1	

APPENDIX "E"

HERITAGE HIGH SCHOOL TRAFFIC SIGNAL MODIFICATION MATERIAL SPECIFICATIONS

Table of Contents

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86 ELECTRICAL SYSTEMS

SIGNAL AND LIGHTING

A. General

Furnishing and installing traffic signal and highway lighting systems, and payment shall conform to the provisions in Section 86, "Electrical Systems", of the latest edition Standard Specifications, amendments to the Standard Specifications, and these Special Provisions.

B. Start of Work

Location where signalization and highway lighting work is to be performed:

	Location	Area
1.	Briggs Road & Heritage H.S. Drwy	Menifee

C. Equipment Orders

The Contractor shall furnish all equipments and materials specified in the plans and these special provisions that are not furnished by the County. All equipment shall be new and purchased by the Contractor for this project only.

Submittals and issuance of Notice to Proceed

Within twenty one (21) calendar days after the award of the contract, the Contractor shall submit equipment and materials submittals to the Engineer for review and approval. The Contractor shall allow fourteen (14) calendar days for the Engineer to review the equipment and materials submittals. If revisions are required as determined by the Engineer, the Contractor shall revise and resubmit the equipment and materials submittals within seven (7) calendar days of receipt of the Engineer's comments and shall allow seven (7) working days for the Engineer to review the revisions. Once the submittals are approved by the Engineer, the Contractor must order equipment and materials and then submit a copy of each vendor Equipment and Material Purchase Order within (7) calendar days to the Engineer.

The Contractor must have copies of approved Equipment and Material submittal(s) and Purchase Order(s) prior to the coordination and issuance of the Notice to Proceed. Delay in equipment delivery shall not be considered as justification for the suspension of the construction contract.

Additional Liquidated Damages

In addition to the liquidated damages set forth in Special Provision section “Liquidated Damages” of these contract documents, the Contractor shall pay to the County of Riverside the sum of \$800.00 per day for each and every calendar day delay in receiving all of the below listed equipment furnished by the Contractor, onto the job site or the Contractor’s storage facility, and available for installation, within sixty (60) calendar days of the contract award date:

1. Signal and Lighting Standards and Anchor Bolts
2. Traffic Signal and Pedestrian Signal heads
3. LED Modules

D. Equipment List and Drawings

Equipment list and drawings shall conform to the provisions in Section 86-1.04, “Equipment List and Drawings”, of the Standard Specifications and these Special Provisions.

The Contractor shall furnish four complete cabinet wiring diagrams for each furnished controller assembly, battery backup system, video detection system, and emergency vehicle preemption system. The cabinet wiring diagram shall include an approximately 6 inches x 8 inches or larger schematic drawing of the project intersection on a separate 8 ½” x 11” sheet of paper, which shall include the following information, at a minimum:

1. North arrow
2. Street names
3. Pavement delineation and markings
4. Signal poles
5. Traffic signal heads with phase designations
6. Pedestrian signal heads with phase designations
7. Loop detectors with input file designations

E. Warranties, Guaranties, Instruction Sheets, and Manuals

Warranties, guaranties and instruction sheets shall conform to these Special Provisions.

1. All equipment and systems shall have at least one (1) year of manufacturer warranty.

Furnish the manufacturer’s standard written warranty pertaining to defects in materials and workmanship for all equipment, and two (2) sets of user, operation, and maintenance manuals, written in English, on all equipments and components for the traffic signal and highway lighting system to the Engineer.

F. Maintaining Existing and Temporary Electrical Systems

Maintaining existing and temporary electrical systems shall conform to the provisions in Section 86-1.06 "Maintaining Existing and Temporary Electrical Systems", of the Standard Specifications and these Special Provisions.

Authorization and coordination from the Engineer is required for each traffic signal system shutdown. Traffic signal system shutdowns shall be limited to periods between the hours of 9:00 A.M. and 3:00 P.M.

The Contractor may request authorization from the Engineer to use temporary overhead conductors for temporary traffic signal operation.

Equip existing flashing beacons with portable flashing beacons during flashing beacon shutdown. Portable flashing beacons shall conform to the provisions in Section 12-3.05, "Portable Flashing Beacons" of the Standard Specifications or as directed by the Engineer.

If directed by the Engineer, a generator shall be furnished, connected, and maintained to keep traffic signal or flashing beacon system running in normal operation. All matters pertaining to the operation of existing traffic signal equipment shall be coordinated and cooperated with Riverside County's traffic signal operation division.

Temporary "Stop" signs furnished and installed shall be 48 inches in size.

Temporary "Stop Ahead" signs furnished and installed shall be equipped with portable flashing beacons

G. Remove, Reinstalling or Salvaging Electrical Equipment

Removing, reinstalling or salvaging shall conform to provisions in Section 86-7 "Removing, Reinstalling or Salvaging Electrical Equipment", of the Standard Specifications.

H. Foundations

Foundations shall conform to the provisions in Section 51, "Concrete Structures", and Section 86-2.03, "Foundations", of the Standard Specifications and these Special Provisions.

Portland cement concrete shall conform to Section 90-2, "Minor Concrete", of the Standard Specifications and shall be Class 3 except pole foundations shall be Class 2.

Vibrate all foundation concrete to eliminate air pockets.

I. Standards, Poles, Steel Pedestals and Posts

Standards, poles, steel pedestals, and posts shall conform to the provisions in Section 86-2.04, "Standards, Poles, Steel Pedestals and Posts", of the Standard Specifications and these Special Provisions.

Type 1A pole material shall be spun aluminum unless otherwise specified.

Poles installed at the near-right approach of each intersection shall be banded conforming to the strap and saddle method per Standard Plans RS4 for the emergency installation of stop signs.

Signal mast arms shall be installed in accordance with the "Signal Arm Connection Details" of the Standard Plans unless otherwise specified.

Internally Illuminated Street Name Sign (IISNS) mast arm shall be 10-foot long galvanized steel pole in accordance with County Standard No. 1200. The IISNS mast arm shall be constructed to prevent deformation or failure when subjected to 100 mph wind loads while carrying a 10' long and 2' height Edge-Lit LED IISNS.

If required by the serving electric utility, and confirmed by the Engineer, State Certified Electric Workers shall be utilized for the installation of standards, steel pedestals, and posts in accordance with State of California High Voltage Safety Orders.

J. Conduits

Conduit shall conform to the provisions in Section 86-2.05, "Conduit", of the Standard Specifications and these Special Provisions.

Conduits shall be Type 3, Schedule 80 Polyvinyl Chloride (PVC) conforming to UL Publication 651 requirements for Rigid Non-Metallic Conduit, for underground installation only.

Conduit depth shall not exceed 60 inches below finish grade.

Conduit size shall be 2 inches minimum unless otherwise specified. New conduit shall not pass through foundations or standards.

Conduit bends shall be factory bends. Bend radius for signal interconnect conduits shall be 3 feet minimum.

A pull rope and a bare #12 AWG wire shall be installed in conduits intended for future use. Bell bushings are required for all conduit ends. The ends of conduits terminating in pull boxes and controller cabinets shall be sealed with sealing compound approved by the Engineer after conductors have been installed.

Conduits shall be installed via jacking or drilling method per Section 86-2.05C, "Installation", of the Standard Specifications.

Trenching Installation

The Engineer shall approve trenching installation on a case-by-case basis where conduit cannot be installed by jacking or drilling. Jacking or Drilling shall be attempted a minimum of three times prior to requesting trenching installation.

If ordered by the Engineer, all pavements shall be cut to a depth of 3 inches with an abrasive type saw or with a rock cutting excavator specifically designed for this purpose. Cuts shall be neat and true with no shatter surface outside the removal area.

Trench shall be 2 inches wider than the outside diameter of the conduit being installed however not exceeding 6 inches in total width. The conduit shall be placed in the bottom of the trench. Conduit depth shall be at a minimum of 30 inches below finished grade, with a minimum of 26 inches cover over the conduit.

The trench shall be backfilled with two-sack slurry to the finish grade before final paving. Prior to final paving, grind pavement centered along the length of the trench a minimum width of 3 feet and depth of 0.10 feet, and excavate backfilled to a depth of 0.30 feet below the final pavement surface. Final paving with commercial Type A ½" PG64-10 asphalt concrete.

If directed by the Engineer, the two-sack slurry backfill can be installed to a depth of 0.30 feet below the final pavement surface and cured for a minimum of two days prior to final paving if the trench area is not open to traffic.

K. Pull Boxes

Pull boxes shall conform to the provisions in Section 86-2.06, "Pull Boxes", of the Standard Specifications and these Special Provisions.

Traffic pull boxes shall conform to the provisions in Section 86-2.06, "Traffic Pull Boxes", of the Standard Specifications and these Special Provisions.

Pull boxes shall have a "Fibrelyte" or equivalent cover and bolt down design. Cover shall have a non-skid surface.

Pull box covers shall be marked in accordance with Standard Plans ES-8 without the word "CALTRANS" unless the project is on State of California right of way.

Pull boxes shall be placed with their tops flush with surrounding finish grade or as directed by the Engineer.

Pull boxes shall be installed behind the curb or as shown on the plans and shall be spaced at no more than 500 feet intervals. The Engineer shall determine the exact locations.

Pull boxes installed in unimproved areas, locations not protected by concrete curb and gutter, shall be traffic pull box and marked with Type L markers.

L. Conductors, Cables and Wiring

Conductors and Cables shall conform to the provisions in Section 86-2.08, "Conductors and Cables", of the Standard Specifications and these Special Provisions.

Wiring shall conform to the provisions in Section 86-2.09, "Wiring", of the Standard Specifications and these Special Provisions.

Specific cabling and wiring requirements for various systems or components shall be in accordance with the Special Provisions entitled to each herein.

Signal cable shall be installed continuously without splicing from the controller cabinet to each traffic signal pole. Traffic signal conductors, multiple circuit conductors, and signal cable conductors shall not be spliced unless otherwise shown.

All outer cable jacket for 12 conductor cable shall be removed from the traffic signal standard hand hole to the terminal block located at the side mount traffic signal head.

Where splice is required, Type C or Type T splice shall be used and insulated as shown in the Standard Plans, ES-13A.

Where splice is required, "Liquid Electrical Tape" or equivalent in black color shall be used to provide a watertight electrical insulating coating with "Method B" as shown in the Standard Plans, ES-13A.

Minimum luminaire wiring shall be No. 10 AWG, including wiring within poles and mast arms.

Optical detector cable shall meet the requirements of IPCEA-S-61-402/NEMA WC 5, Section 7.4, 600 V Control cable, 75 degrees C, Type B, and the following:

1. The cable shall contain 3 conductors, each of which shall be AWG# 20 (7 x 28) stranded, tinned copper. Insulation of individual conductors shall be color-coded: 1-Yellow, 1-Orange, and 1-Blue.
2. The shield shall be either tinned copper braid or aluminized polyester film with a nominal 20% overlap. When film is used, an AWG# 20 (7 x 28) stranded, tinned, bare drain wire shall be placed between the insulated conductors and the shield and in contact with the conductive surface of the shield.
3. The jacket shall be marked as required by IPCEA/NEMA.

The cable run between each detector and the Traffic Controller cabinet shall be continuous without splices.

M. Signal Interconnect Cable

Signal Interconnect Cable shall conform to the provisions in Section 86-2.08E, “Signal Interconnect Cable (SIC)” of the Standard Specifications and these special provisions.

SIC shall be 6-pair, No. 20 AWG cable unless specified otherwise.

Submit a sample of the proposed SIC to the Engineer for approval prior to installation.

SIC shall be pulled without splices in between traffic signal controller cabinets. Provide 6 feet of slack in each pull box, 20 feet of slack inside the pull box adjacent to the controller cabinet, and 3 feet of slack inside the controller cabinet.

Solder each end of SIC conductor to a terminal lug using the hot iron method and connect them to the terminal block inside the controller cabinet in the following order:

Terminal Block Number	SIC Conductor Color Coding (County)	SIC Conductor Color Coding (Caltrans)
1	White (White / Blue pair)	White (Black / White pair)
2	Blue (White / Blue pair)	Black (Black / White pair)
3	White (White / Orange pair)	Red (Black / Red pair)
4	Orange (White / Orange pair)	Black (Black / Red pair)
5	White (White / Green pair)	Brown (Black / Brown pair)
6	Green (White / Green pair)	Black (Black / Brown pair)
7	White (White / Brown pair)	Blue (Black / Blue pair)
8	Brown (White / Brown pair)	Black (Black / Blue pair)
9	White (White / Slate pair)	Green (Black / Green pair)
10	Slate (White / Slate pair)	Black (Black / Green pair)
11	Red (Red / Blue pair)	Yellow (Black / Yellow pair)
12	Blue (Red / Blue pair)	Black (Black / Yellow pair)

N. Bonding and Grounding

Bonding and grounding shall conform to the provisions in Section 86-2.10, "Bonding and Grounding", of the Standard Specifications and these Special Provisions.

Grounding jumper shall be attached by a 3/16 inch or larger brass bolt in the signal standard or controller pedestal and shall be run to the conduit, ground rod or bonding wire in the adjacent pull box.

Grounding jumper shall be visible after cap has been poured on foundation.

For equipment grounding jumper a No. 8 bare copper wire shall run continuously in all circuits except a No. 12 bare copper wire shall run continuously in conduits that contain only signal interconnect cable and/or loop detector cable.

O. Detectors

Detectors shall conform to the provisions in Section 86-5, "Detectors", of the Standard Specifications and these Special Provisions.

Delay timers shall delay calls only during display of the associated red or yellow indications. If a vehicle departs the area of detection prior to expiration of the assigned delay period, the timer shall reset and no call shall be placed upon the controller. During display of the associated green indication, detectors shall operate in the present mode and calls shall not be delayed.

Inductive Loops

Detector loop configuration shall be Type E per Standard Plans ES-5B unless otherwise shown on the construction plan, in the Special Provisions, or as directed by the Engineer.

Limit Line detector loop configuration shall be modified Type E with diagonal saw cuts and wire winding conforming to Type D loop configuration.

Detector loop wire shall be Type 2.

Detector loop lead-in cable shall be Type B.

Detector loop curb terminations shall be Type A in accordance with Standard Plans ES-5D.

Loop sealant shall be the Hot-Melt Rubberized Asphalt sealant type, unless otherwise directed by the Engineer. Loop conductors and sealant shall be installed on the same day the loop slots are cut.

All detector loops shall be tested sequentially by the following methods:

- impedance (measured by megaohms)
- resistance (measured by ohms)
- inductance (measured in microhenries)

P. Payment Method

The contract price paid **per Lump Sum** for Signal and Lighting shall include full compensation for furnishing all labor, materials, tools, equipment, foundations, pole and mast arm mounted regulatory signs, documents, programming, testing, potholing required for utility verification prior to all conduit installation temporary overhead wiring, temporary wireless video detection and incidents and for doing all the work specified herein, elsewhere in these Special Provisions, and plans including the complete installation of an operational traffic signal and lighting system and no additional compensation shall be allowed therefor.

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

ROMOLAND MDP-LINE 1, STAGE 1

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INLET STRUCTURE DETAILS	16
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LINE 4 INLET GRADING	18-21
LINE 1-B PLAN & SECTIONS	22
JUNIPER FLATS DETENTION BASIN	23
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TURN AROUND GRADING PLAN AND DETAIL A	32-33
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R.C.F.C. & W.C.D. STANDARD DRAWINGS

JS 226	JUNCTION STRUCTURE No. 1
JS 228	JUNCTION STRUCTURE No. 3
MH 253	MANHOLE NO. 3
TS 303	TRANSITION STRUCTURE No. 3
CH 326	TRAPEZOIDAL CHANNEL DETAILS
CH 329	TRANSITION STRUCTURAL DETAILS
CH 330	MAINTENANCE RAMP FOR TRAPEZOIDAL CHANNEL
M 801	CHAIN LINK FENCE DETAILS
M 814	ABBREVIATIONS AND SYMBOLS
M 815	BEDDING AND PAY LINES
M 816	CONCRETE BULKHEAD
M 820	PIPE SWING GATE
M 818	WIRE FENCE DETAILS

R.C.T.D. STANDARD DRAWINGS

200	TYPE A-6 CURB
207	CONCRETE DRIVEWAY APPROACH (W=15')
300	CURB INLET CATCH BASIN (W=4')
311	GUTTER DEPRESSION, CASE C
156	COLLECTOR RURAL ROAD

CALTRANS STANDARDS - SEE SHEET 1A

B11-47	CABLE RAILING
D80	REINFORCED CONCRETE SINGLE BOX CULVERT
D81	REINFORCED CONCRETE DOUBLE BOX CULVERT
D84	BOX CULVERT WINGWALL, TYPE "A"

A.P.W.A. STANDARDS

382	WINDOW DETAIL
360	SLOPED PROTECTION BARRIER

GENERAL NOTES

- ALL STATIONING REFERS TO CENTERLINE OF CONSTRUCTION.
- ALL CHANNEL/STORM DRAIN REFERENCES AND CROSS SECTIONS ARE TAKEN LOOKING DOWNSTREAM.
- TOPOGRAPHY BY AERIAL PHOTOGRAPHS TAKEN AT AN ALTITUDE NOT TO EXCEED A FLYING HEIGHT TO CONTOUR INTERVAL RATIO OF 1800. PHOTOGRAPHY DATED 11-15-03.
- THE VERTICAL DATUM IS DERIVED FROM (NGVD 29). THE HORIZONTAL DATUM IS DERIVED FROM (NAD 83).
- STANDARD DRAWINGS CALLED FOR ON THE PLAN & PROFILE SHALL CONFORM TO R.C.F.C. & W.C.D. STD. DRAWINGS, OR CALTRANS/ COUNTY STANDARD PLANS.
- ELEVATIONS AND LOCATIONS OF UTILITIES WERE OBTAINED FROM AVAILABLE INFORMATION AND ARE SHOWN APPROXIMATELY ON THESE PLANS. 48 HOURS BEFORE EXCAVATION CALL UNDERGROUND SERVICE ALERT AT 1-800-227-2600. ALL UTILITIES SHALL BE PROTECTED IN PLACE EXCEPT AS NOTED ON PLANS AND SPECIFICATIONS.
- THE CONTRACTOR IS REQUIRED TO CONTACT ALL UTILITY AGENCIES REGARDING TEMPORARY SUPPORT AND SHORING REQUIREMENTS FOR THE VARIOUS UTILITY LINES SHOWN ON THESE PLANS.
- ALL OPENINGS RESULTING FROM CUTTING OR PARTIAL REMOVAL OF EXIST. CULVERTS, PIPES, OR SIMILAR STRUCTURES TO BE ABANDONED, SHALL BE SEALED AT BOTH ENDS WITH 6" MIN. CLASS "B" CONCRETE OR REMOVED.
- ALL RECONSTRUCTION, RESURFACING AND PAVEMENT DELINEATION, CURBS, SIDEWALKS AND OTHER IMPROVEMENTS ARE TO BE RECONSTRUCTED IN KIND USING THE SAME STRUCTURAL SECTIONS, LOCATIONS AND ELEVATIONS AS THE EXISTING IMPROVEMENTS, UNLESS OTHERWISE NOTED.
- INDICATES APPROX. SOIL BORING LOCATION PER SOILS REPORT DATED APRIL 2004.
- THE RC BOX WALL AND SLAB THICKNESSES SHALL BE INCREASED TO HAVE 2 1/2" CONCRETE COVER BETWEEN THE INSIDE RCB AND THE REINFORCING STEEL. FOR FLOW VELOCITIES BETWEEN 20 AND 30 FPS F_c = 5000 PSI AND FOR VELOCITIES GREATER THAN 30 FPS F_c = 6000 PSI UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT'S MEMORANDUM OF UNDERSTANDING STANDARD SPECIFICATIONS DATED SEPTEMBER 1984, AND DESIGN MANUAL STANDARD DRAWINGS DATED APRIL 2004.
- AN ENFORCEMENT PERMIT IS REQUIRED FROM R.C.T.D. PLEASE CONTACT MOJAHED SALAMA AT (951) 955-6790. IF AN ENFORCEMENT PERMIT IS REQUIRED FROM RIVERSIDE COUNTY FLOOD CONTROL, THEN CONTACT ED LOTZ AT (951) 955-1266. AFTER THE PERMIT IS ISSUED, THE DISTRICT MUST BE NOTIFIED ONE WEEK PRIOR TO CONSTRUCTION.
- CONSTRUCTION INSPECTION WILL BE PERFORMED BY RIVERSIDE COUNTY FLOOD CONTROL. CONTACT DALE ANDERSON AT (951) 955-1288. THE DISTRICT MUST BE NOTIFIED 20 DAYS PRIOR TO CONSTRUCTION. ALTERNATELY, CONSTRUCTION INSPECTION MAY BE PERFORMED BY AN OUTSIDE CONSULTANT.
- CONTRACTOR SHALL SUBMIT A COPY OF THE SHORING PLANS APPROVED BY RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT, A COPY OF THE CAL-OSHA PERMIT, AND A COPY OF THE CAL-OSHA ACTIVITY NOTIFICATION FORM TO THE STATE REPRESENTATIVE BEFORE START OF WORK.

NOTICE TO CONTRACTOR:

THE EXISTENCE AND LOCATIONS OF ALL UNDERGROUND UTILITIES (UTILITY PIPES, STRUCTURES, ETC.) SHOWN ON THESE PLANS WERE ASCERTAINED BY A REVIEW OF RECORDS PROVIDED BY THESE MEMBER AGENCIES AND ARE APPROXIMATE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN.

THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. LOCATIONS OF UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION.

CALL UNDERGROUND SERVICE ALERT (U.S.A.) 1-800-227-2600 AT LEAST 2 WORKING DAYS PRIOR TO EXCAVATION.

ANZA GENERAL PAVING NOTES

- SEE SHEET 1A FOR PAVING WITHIN CALTRANS R.W.
- PAVE WITH 'TYPE A' HOT MIX ASPHALT.
- SEE TYPICAL EARTHWORK AND PAYLINE DETAIL, SEE SHEET 34B.
- SEE TYPICAL RCB AND RCP EARTHWORK BEDDING AND PAYLINE DETAIL, SEE SHEET 34B.
- PROTECT IN PLACE ALL MANHOLES/VALVES. ADJUST TO GRADE AS NEEDED.
- INSTALL/REPLACE ALL DISTURBED STRIPING, YELLOW CENTERLINE, WHITE EDGE LINES & REFLECTIVE PAVEMENT. SEE TRAFFIC CONTROL PLANS FOR TEMPORARY STRIPING. RESTORE TO ORIGINAL CONDITION POST CONSTRUCTION.
- ALL SIGNING, STRIPING AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH SECTION 84 OF THE CALTRANS STANDARD SPECIFICATIONS (LATEST EDITION) AND ALL OTHER APPLICABLE FEDERAL, STATE AND LOCAL LAWS.

MAINTENANCE RESPONSIBILITIES:

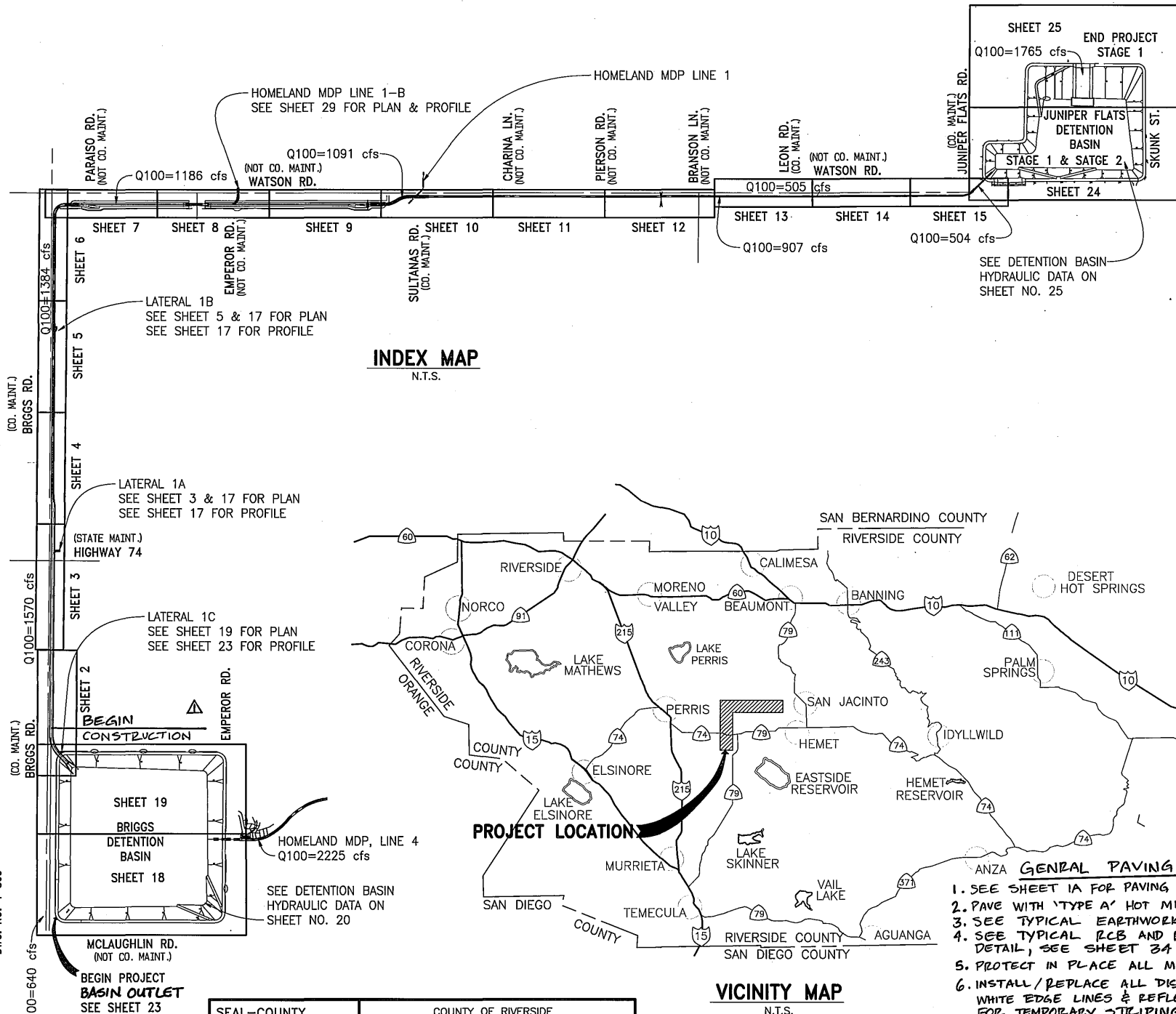
R.C.F.C.D. & W.C.D. MAINTAINS:
ALL IMPROVEMENTS SHOWN ON THESE PLANS

R.C.T.D. MAINTAINS:

STRUCTURAL INTEGRITY OF:
7.0'H x 10.0'W RCB (2 CELLS)
FROM STA. 63+22.78 TO STA. 63+98.79 (EMPEROR RD.)

08-14-N-DD-1090

CALTRANS PERMIT NUMBER: 08-05-N-MC-0356



INDEX MAP

N.T.S.

PROJECT LOCATION

VICINITY MAP

N.T.S.

SEAL-COUNTY	COUNTY OF RIVERSIDE
	TRANSPORTATION DEPARTMENT
APPROVED BY: <i>Alan D. French</i> DATE: 12/18/07	RECOMMENDED BY: <i>Alan D. French</i> DATE: 12-18-07
ALAN D. FRENCH, P.E. DATE: 12-18-07	R.C.E. 45702 EXP. 12-31-08

ALBERT A. WEBB ASSOCIATES
3788 McCRA Y ST.
RIVERSIDE, CA. 92506
PH. (951) 886-1070
FAX (951) 788-1256

PREPARED BY: *[Signature]* DATE: 12-13-07
R.C.E. NO. C44762 EXP. DATE 3-31-08

Don't Dig...Until You Call U.S.A. Toll Free 1-800-227-2600 for the location of buried utility lines. Don't disrupt vital services. TWO WORKING DAYS BEFORE YOU DIG

PERMANENT BENCH MARK B.M. NO. S 327-1935 3.9 MI. NW ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT WINCHESTER, RIVERSIDE COUNTY, AT MENEFEE SIDING, 198 YRDS. NW OF THE SE SWITCH STAND, 72 FT. E OF MILEPOST 6, 18.5 FT. NE OF THE CENTERLINE OF THE TRACK, AND 4.5 FT. NE OF THE STATION SIGN. A STANDARD DISK, STAMPED R 327 1935 AND SET IN THE TOP OF A CONCRETE POST. ELEVATION: 1478.07

REVISIONS	DATE	DESCRIPTION
1	12/18/07	ADDED NOTES

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: J.C.C.
DRAWN BY: R.R.
DATE DRAWN: 12/3/2007
CHECKED BY: J.C.C.

RECOMMENDED FOR APPROVAL BY: *[Signature]*
PLANNING ENGINEER
DATE: 12-21-2007

APPROVED BY: *[Signature]*
CHIEF ENGINEER
DATE: 12/21/07

IP050154 HOMELAND MDP LINE 1, STAGE 1 BRIGGS RD. & JUNIPER FLATS RD. STAGE 1 & 2 DETENTION BASINS TITLE SHEET

MS4051 PROJECT NO. 4-0-003454-0-00347 DRAWING NO. 4-859 SHEET NO. 1 OF 34

G:\2003\03-03361\DWG&PRO\033338line-1.dwg 12/13/2007

CALTRANS NOTES TO CONTRACTOR:

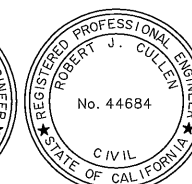
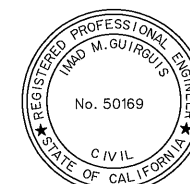
1. IT IS THE PERMITTEE/CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE UNDERGROUND SERVICE ALERT IN ORDER TO CLEAR ANY POSSIBLE CONFLICTS PRIOR TO CONSTRUCTION.
2. WHERE DAMAGE IS CAUSED BY THE CONTRACTOR'S OPERATION, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, REPAIR OR REPLACE DAMAGED FACILITIES PROMPTLY IN ACCORDANCE WITH 2010 STATE SPECIFICATIONS AND/OR AS DIRECTED BY THE STATE REPRESENTATIVE.
3. ALL WORK WITHIN STATE'S RIGHT- OF-WAY SHALL BE COMPLETED IN ACCORDANCE WITH THE 2010 STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS & STANDARD SPECIFICATIONS, REVISED STANDARD PLANS (RSP), STANDARD SPECIAL PROVISIONS (SSP); HIGHWAY DESIGN MANUAL (HDM) POST MAY 2012 EDITION; ENCROACHMENT PERMIT MANUAL (EPM); ENCROACHMENT PERMIT UTILITY PROVISIONS; AND CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD) 2014 EDITION. SHOULD A CONFLICT ARISE BETWEEN THE CONTRACT PLANS, SPECIFICATIONS AND/OR DETAILS PREPARED BY THE PERMITTEE, THE STATE'S STANDARD PLANS, REVISED STANDARD PLAN, STANDARD SPECIFICATIONS AND STANDARD SPECIAL PROVISIONS SHALL GOVERN AS DETERMINED BY THE STATE'S REPRESENTATIVE.
4. ALL STRIPING AND SIGN STRUCTURES SHALL BE RESTORED (IF DISTURBED) TO PRE-CONSTRUCTION CONDITIONS UPON COMPLETION OF CONSTRUCTION.
5. ALL SURVEY MONUMENTS DESTROYED DURING THE PERMIT CONSTRUCTION SHALL BE REPLACED ACCORDING TO CURRENT STATE STANDARD PLAN A74.
6. DTM RECOMMEND THE PLACEMENT OF PCMS, 7 CALENDAR DAYS PRIOR TO REQUESTED CLOSURE DATE TO ADVISE MOTORIST OF THE UPCOMING LANE REDUCTION.
7. THE CALTRANS TRANSPORTATION PERMITS OFFICE REQUIRES 14 DAYS NOTICE FOR THE REDUCTION OF WIDTH AND/OR HEIGHT MAINLINES, WHICH ARE/OR MAY BE USED AS PART OF THEIR ROUTING OF OVERSIZED LOADS.
8. THE CALTRANS PUBLIC AFFAIRS OFFICE MUST BE MADE AWARE OF THE CONSTRUCTION ACTIVITIES ESPECIALLY "LANE CLOSURE WITH REDUCTION OF WIDTH TO TRAFFIC LANES" TRAFFIC. IN THE EVENT THE CALTRANS PUBLIC AFFAIRS OFFICE IS ASKED TO ISSUE PRESS RELEASES, SAID INFORMATION IS REQUIRED 7 DAYS PRIOR TO THE CLOSURE.

ABBREVIATIONS:

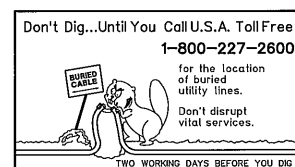
- GB - GRADE BREAK
- HGL - HYDRAULIC GRADE LINE
- CLSM - CONTROLLED LOW STRENGTH MATERIAL
- RCB - REINFORCED CONCRETE BOX
- JS - JUNCTION STRUCTURE
- MH - MANHOLE
- EP - EDGE OF PAVEMENT
- RW - RIGHT OF WAY
- TS - TRANSITION STRUCTURE
- F/O - FIBER OPTIC
- TS - TRAFFIC SIGNAL
- G - GAS
- W - WATER
- E - ELECTRIC
- ETW - EDGE OF TRAVELLED WAY
- T - TELEPHONE

CALTRANS STANDARDS:

- D80 - CAST-IN-PLACE REINFORCED CONCRETE-SINGLE BOX CULVERT
- D83A - PRECAST REINFORCED CONCRETE BOX CULVERT
- D83B - PRECAST REINFORCED CONCRETE CULVERT MISCELLANEOUS DETAILS
- A73C - DELINEATORS, CHANNELIZERS AND BARRICADES
- D93C - PIPE RISER WITH DEBRIS RACK CAGE
- RSP A77L1 - MIDWEST GUARDRAIL SYSTEM STANDARD RAILING SECTION
- RSP A77S1 - MIDWEST GUARDRAIL SYSTEM END ANCHOR ASSEMBLY (TYPE SFT)
- A77R3 - MIDWEST GUARDRAIL SYSTEM TYPICAL LAYOUTS FOR ROADSIDE FIXED OBJECTS
- RSP B11-47 - CABLE RAILING



CALTRANS PERMIT NUMBER: 08-14-N-DD-1090



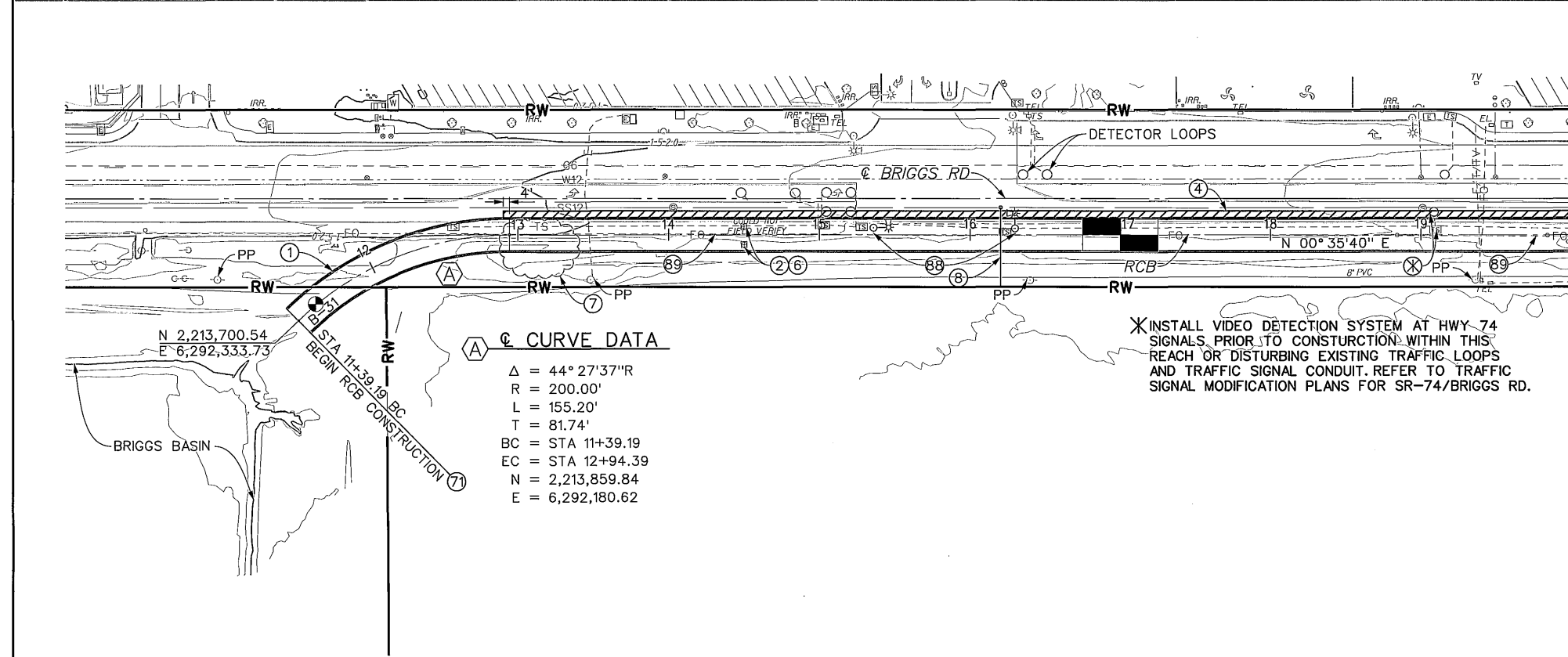
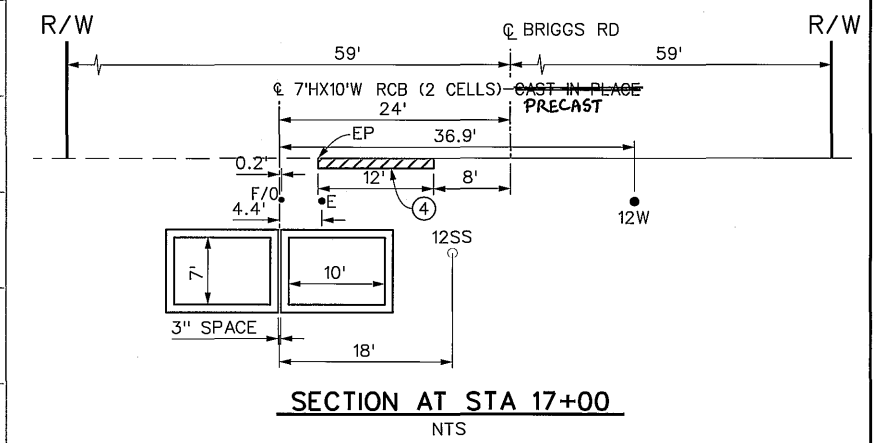
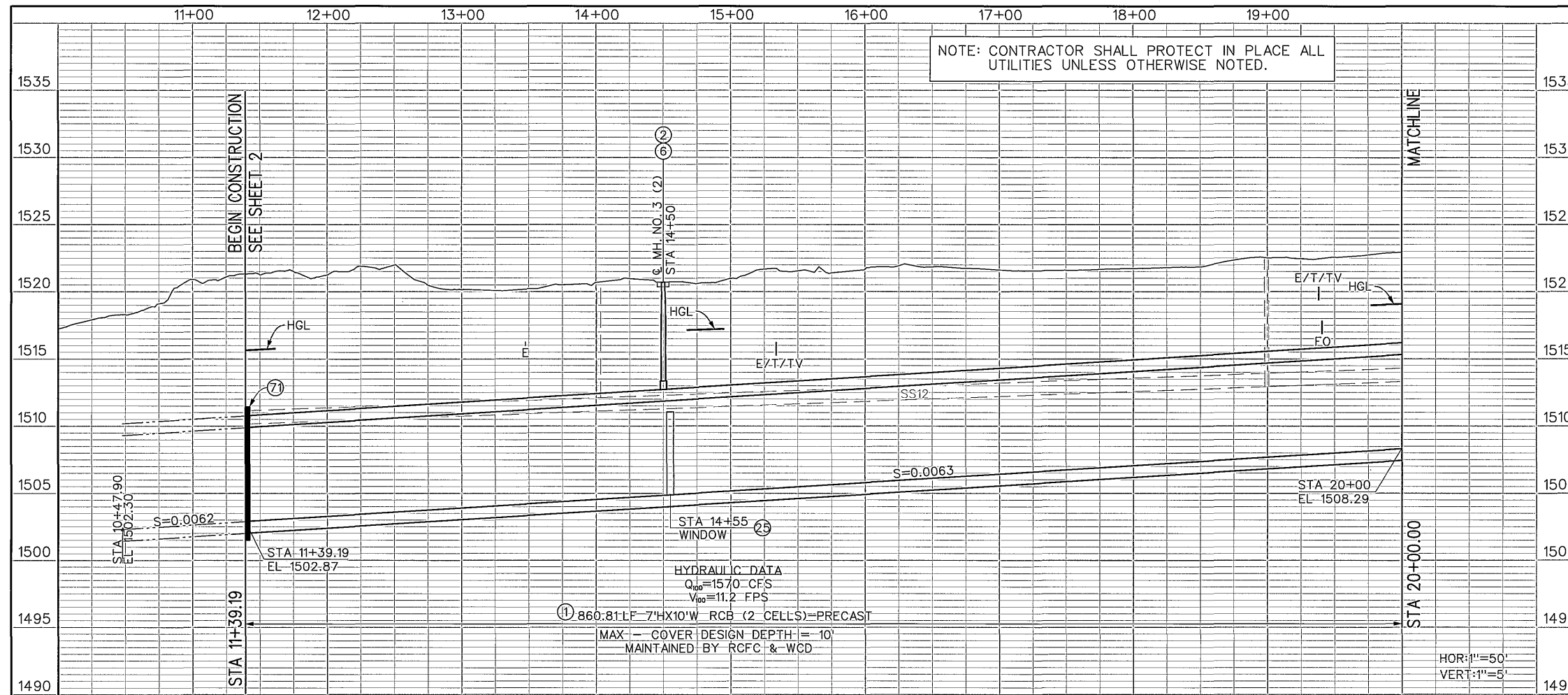
BENCH MARK	
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REF.	DESCRIPTION	APPR.	DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT		
DESIGNED BY: ROHINI MUSTAFA	RECOMMENDED FOR APPROVAL BY: <i>Wad M. Guirguis</i>	APPROVED BY: <i>Robert J. Cullen</i>
DRAWN BY: MICHAEL ARMENTA	DATE: 7/8/15	DATE: 8 July 2015
DATE DRAWN: AUGUST 2014		

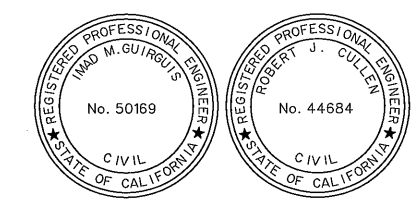
HOMELAND MDP LINE 1 STAGE 1	
NOTES AND ABBREVIATIONS	

PROJECT NO. 4-00345-01
DRAWING NO. 4-859
SHEET NO. 1A OF 34



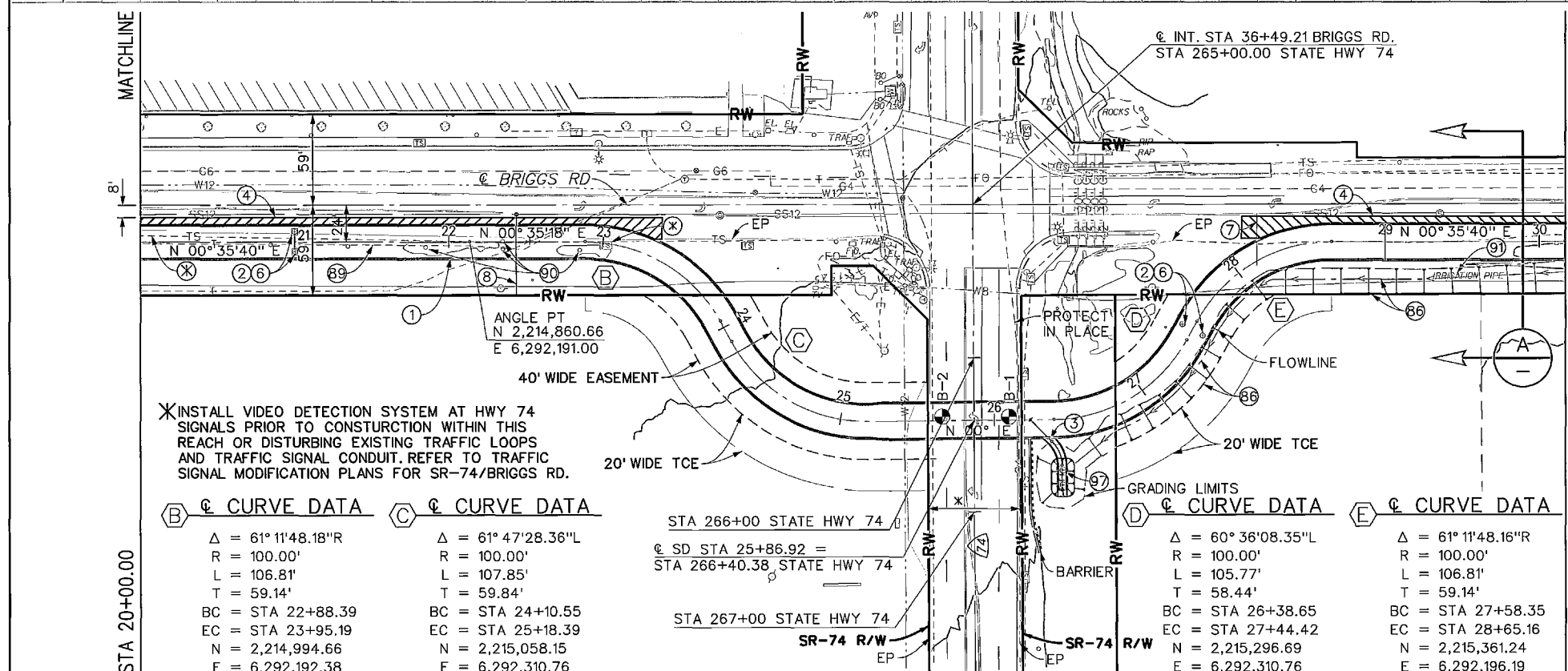
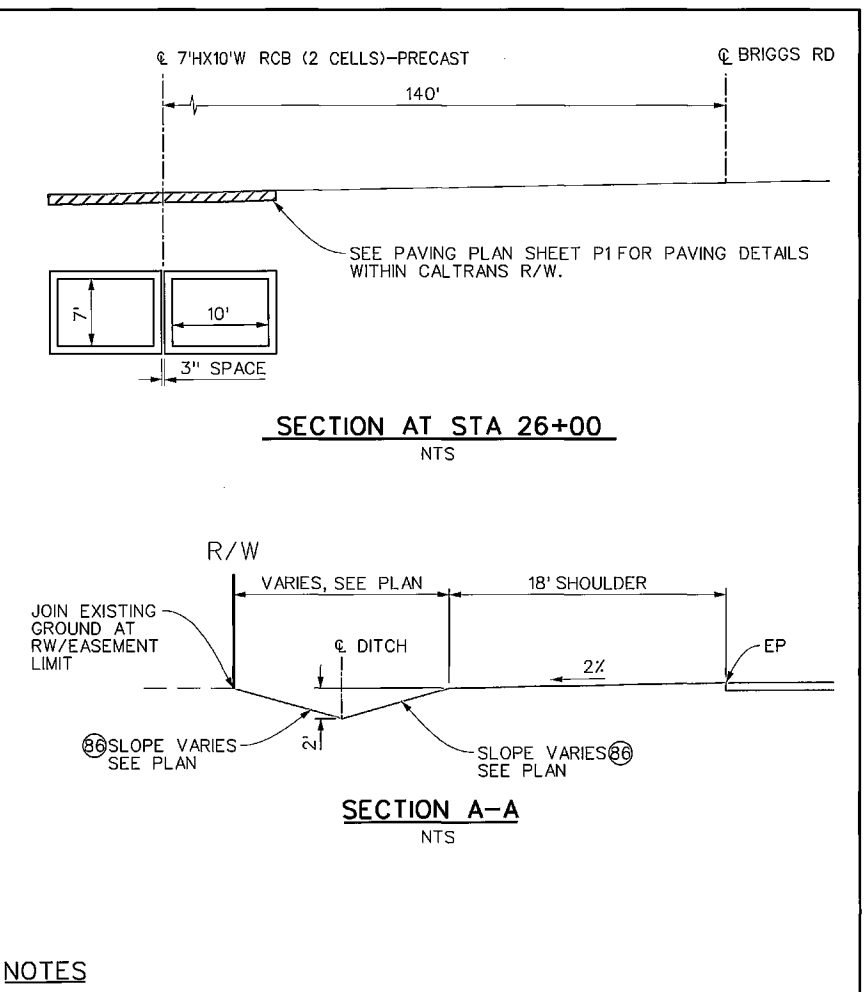
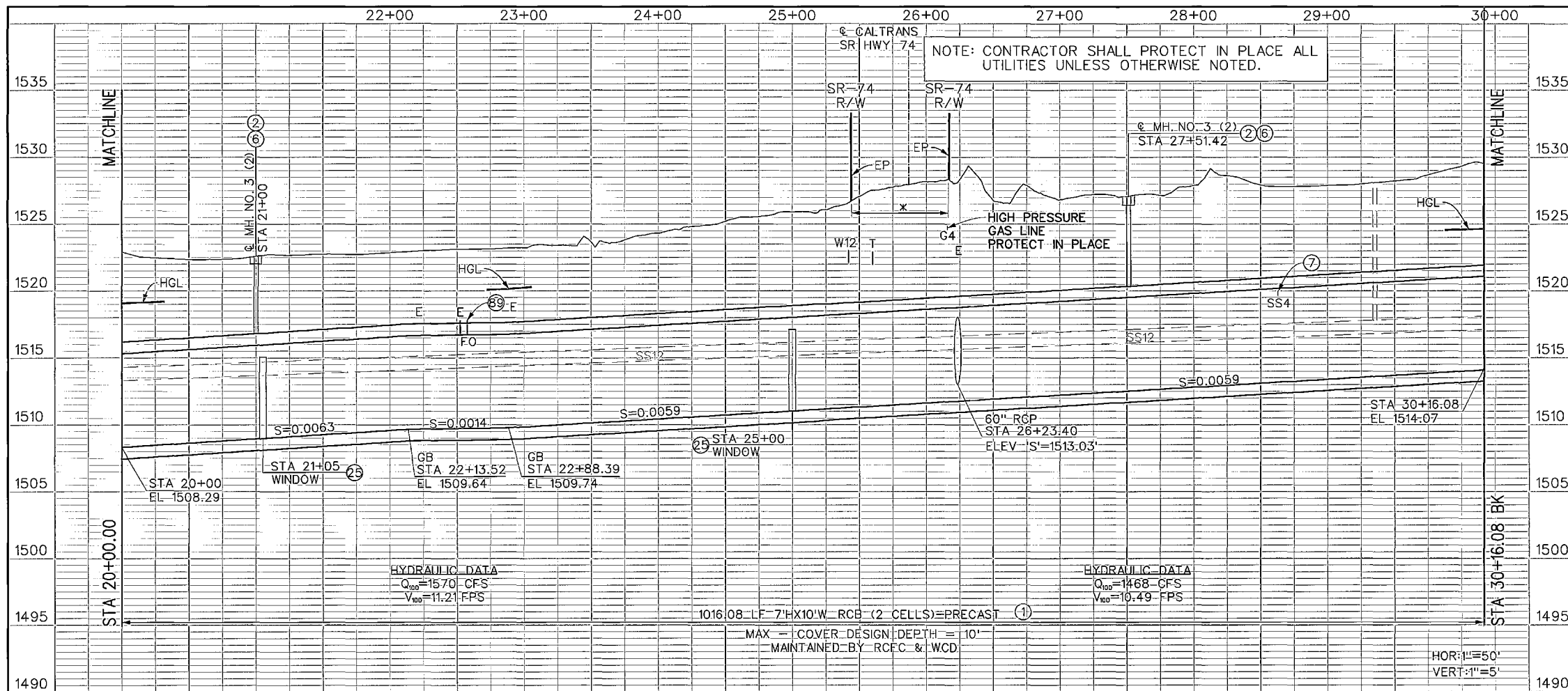
NOTES

- 1 CONSTRUCT 7'X10'W RCB (2 CELLS) PER CALTRANS STANDARD D83A AND D83B.
- 2 CONSTRUCT 7'X7' CONCRETE PAD W/6"X6"/10X10 W.W.M. AROUND MANHOLE LID.
- 4 SAWCUT, REMOVE AND REPLACE EXISTING PAVEMENT WITH 4" HMA OVER 7" AB.
- 6 CONSTRUCT MH NO.3 PER RCFC STD MH253.
- 7 REMOVE INTERFERING TREE.
- 8 INSTALL 8 INCH SEWER LATERAL PER EMWD STANDARDS AND SPECIFICATIONS. REFER TO THE EMWD PREPARED DRAWINGS.
- 25 CONSTRUCT WINDOW PER APWA STD. 382-2.
- 71 REMOVE EXISTING CONCRETE BULKHEAD. REMOVE AND REPLACE ANY PORTION OF BRIGGS ROAD BASIN AS NEEDED.
- 88 RELOCATE EXISTING TRAFFIC SIGNAL POLES AND APPURTENANCES. SEE SHEET 34C OF THESE PLANS. ALSO REFER TO TEMPORARY TRAFFIC CONTROL PLANS FOR THIS LOCATION.
- 89 EXISTING FIBER OPTIC LINES TO BE RELOCATED BY OTHERS.
- 90 REFER TO CALTRANS GENERAL NOTES ON SHEET 1A.



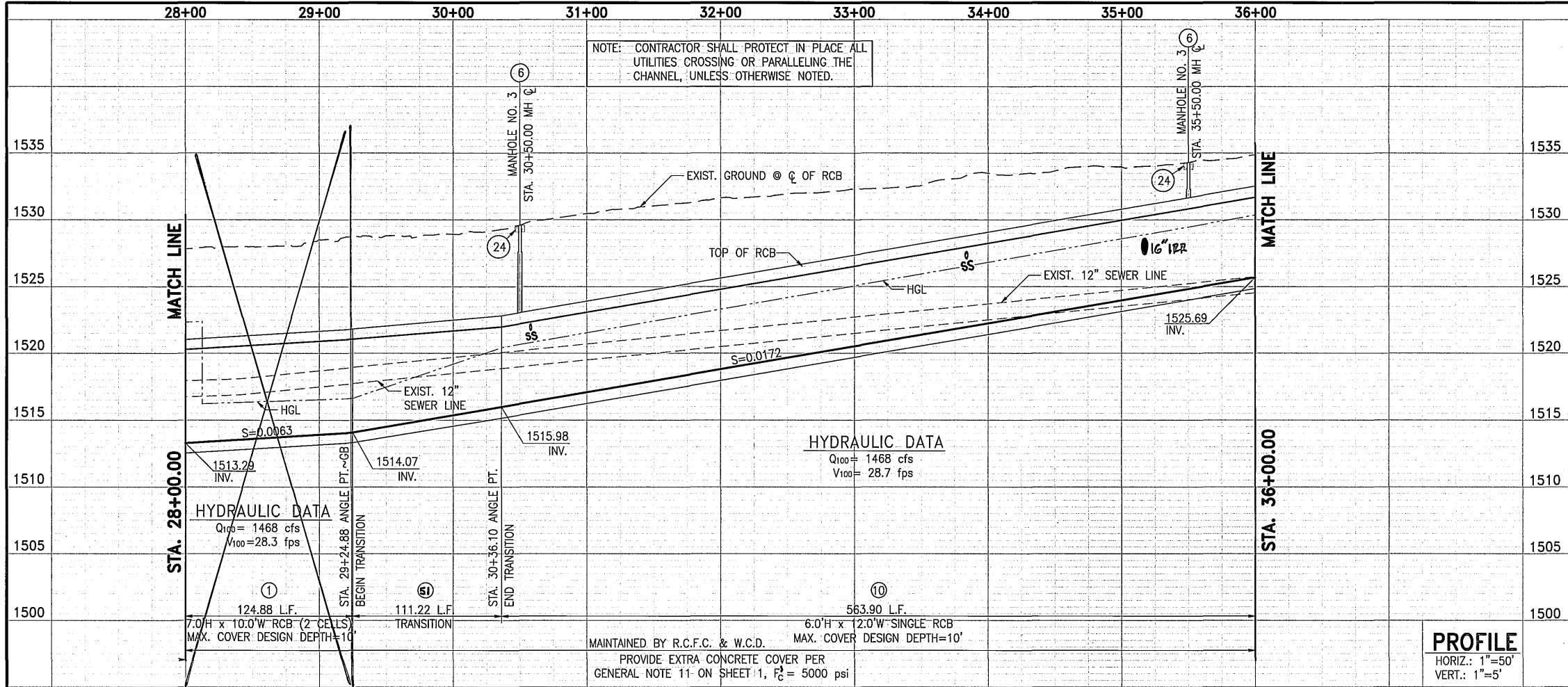
CALTRANS PERMIT NUMBER: 08-14-N-DD-1090

COUNTY OF RIVERSIDE TRANSPORTATION APPROVED BY: <i>Alan Fernald</i> ENGINEER DATE: 7-13-15	Don't Dig...Until You Call U.S.A. Toll Free 1-800-227-2600 for the location of buried utility lines. Don't disrupt vital services. TWO WORKING DAYS BEFORE YOU DIG	BENCH MARK 	REVISIONS 	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT DESIGNED BY: ROHINI MUSTAFA DRAWN BY: MICHAEL ARMENTA DATE DRAWN: AUGUST 2014	RECOMMENDED FOR APPROVAL BY: <i>Swadhi Aniguis</i> DATE: 7/8/15	APPROVED BY: <i>Robert J. Cullen</i> DATE: 8 July 2015	HOMELAND MDP LINE 1 STAGE 1 STA 11+39.19 TO STA 20+00 PLAN AND PROFILE	PROJECT NO. 4-00345-01 DRAWING NO. 4-859 SHEET NO. 2 OF 34

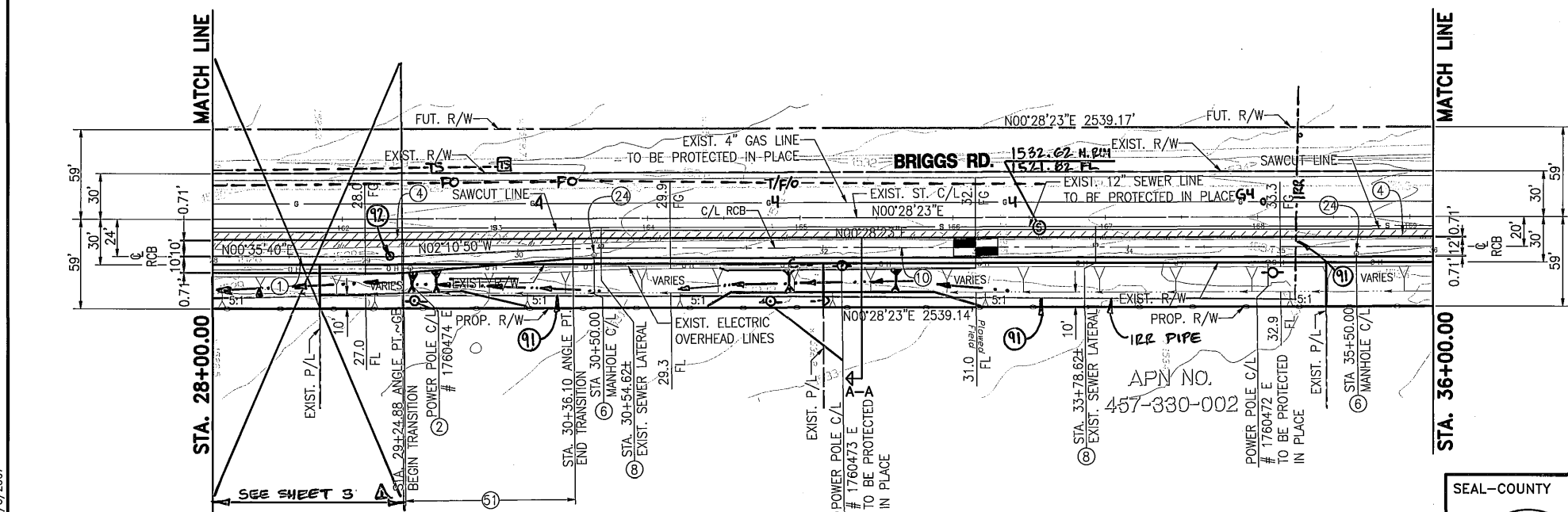
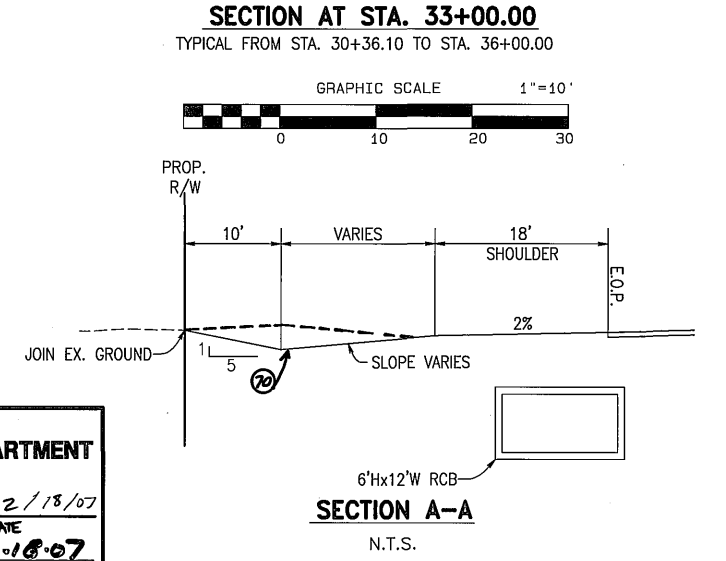
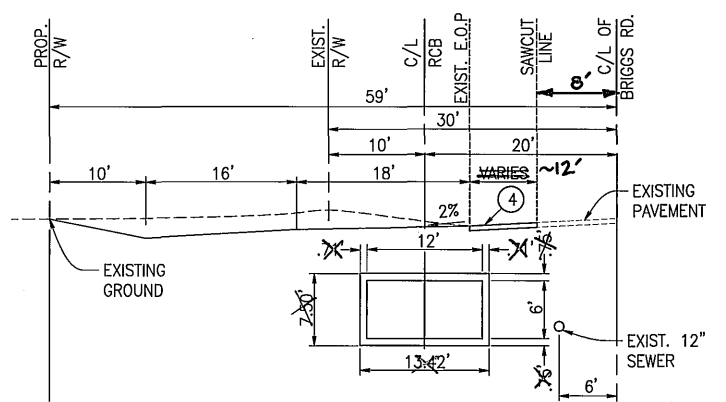


- NOTES**
- CONSTRUCT PRECAST 7'X10'W RCB (2 CELLS) PER CALTRANS STANDARD D83A & D83B.
 - CONSTRUCT 7'X7' CONCRETE PAD W/6\"X6\"/10X10 W.W.M. AROUND MANHOLE LID.
 - CONSTRUCT J.S. NO. 1 PER RCFC STD JS226, A=60°, B=5' (60\"), ELEV 'S'=1513.03 C=13.25'
 - SAWCUT, REMOVE AND REPLACE EXISTING PAVEMENT WITH 4\" HMA OVER 7\" AB. SEE SHEET 4 FOR TYPICAL SECTION AND DISTANCES.
 - CONSTRUCT MH NO.3 PER RCFC STD MH253.
 - REMODEL EXISTING SEWER LATERAL PER EMWD STANDARDS AND SPECIFICATIONS. REFER TO THE EMWD PREPARED DRAWINGS.
 - CONSTRUCT WINDOW PER APWA STD. 382-2.
 - CONSTRUCT 2' DEEP GRADED SWALE WITH VARIED SLOPE PER COUNTY STD 136 WITHIN THE R/W AND EASEMENT LIMITS. GRADE AT APPROXIMATELY 1.8% TOWARDS THE INLET. BEGIN GRADING AT 18 LF OFFSET FROM EDGE OF THE BRIGGS RD PAVEMENT AS SHOWN ON PLANS. SEE DETAIL ON SHEET 17A AND 17B.
 - EXISTING FIBER OPTIC LINES TO BE RELOCATED BY OTHERS.
 - REMOVE AND REPLACE EXISTING DELINEATORS PER CALTRANS STD A73C
 - REMOVE INTERFERING PIPE.
 - REFER TO CALTRANS GENERAL NOTES ON SHEET 1A.
 - CONSTRUCT TWO INLETS AT STA 26+23.40 PER RCFC STD MH252. SEE SHEET 17A FOR DETAILS.
 - INSTALL 8 INCH SEWER LATERAL. REFER TO EMWD PREPARED DRAWINGS.

COUNTY OF RIVERSIDE TRANSPORTATION APPROVED BY: CITY ENGINEER DATE: 7-13-15	Don't Dig...Until You Call U.S.A. Toll Free 1-800-227-2600 for the location of buried utility lines. Don't disrupt vital services. TWO WORKING DAYS BEFORE YOU DIG	BENCH MARK 	REVISIONS <table border="1"> <tr><th>REF.</th><th>DESCRIPTION</th><th>APPR.</th><th>DATE</th></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>	REF.	DESCRIPTION	APPR.	DATE					RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT RECOMMENDED FOR APPROVAL BY: DATE: 7/8/15	APPROVED BY: DATE: 8 July 2015	PROJECT NO. 4-00345-01 DRAWING NO. 4-859 SHEET NO. 3 OF 34
				REF.	DESCRIPTION	APPR.	DATE							
DESIGNED BY: ROHINI MUSTAFA DRAWN BY: MICHAEL ARMENTA DATE DRAWN: AUGUST 2014	CALTRANS PERMIT NUMBER: 08-14-N-DD-1090 HOMELAND MDP LINE 1 STAGE 1 STA 20+00 TO STA 29+24.88 PLAN AND PROFILE													



- NOTES**
- ① CONSTRUCT 7.0'H x 10.0'W RCB (2 CELLS) PER CALTRANS STD. D80 D83A AND D83B
 - ② EXISTING POWER POLE TO BE RELOCATED BY EDISON FORCES
 - ④ SAWCUT, REMOVE AND REPLACE EXISTING PAVEMENT WITH 4" HMA OVER 7" AB.
 - ⑥ CONSTRUCT MANHOLE NO. 3 PER RCFWCD STD. DWG. MH253
 - ⑩ REMOVE AND PLUG EXISTING SEWER LATERAL
 - ⑩ CONSTRUCT 6.0'H x 12.0'W SINGLE RCB PER CALTRANS STD. D80 D83A
 - ②④ CONSTRUCT 6" THICK CONCRETE PAD (7'x7') W/6"x6"/10x10 W.W.M. AROUND MANHOLE LID
 - ⑤① CONSTRUCT RCB TRANSITION FROM 7.0'H x 10.0'W (2 CELLS) TO 6.0'H x 12.0'W (SINGLE CELL) PER RCFWCD STD. TS 304
 - ⑦② CONSTRUCT GRADED SWALE PER SECT A-A THIS SHEET PER COUNTY STD 136 OR AS DIRECTED BY ENGINEER. ADJUST WIDTH TO PROTECT POWER POLES.
 - ⑨① REMOVE INTERFERING PIPE. TO BE RELOCATED BY OTHERS.
 - ⑨② REMOVE, SALVAGE AND REINSTALL SIGN.
 - ⑨③ REMODEL EXISTING SEWER LATERAL PER EMWD STANDARD AND SPECIFICATIONS. REFER TO EMWD PREPARED DRAWINGS.



APN NO. 457-330-024
 APN NO. 457-330-003
 GRAPHIC SCALE 1"=50'
 0 50 100 150

ROMOLA FARMS NO. 15
 PLAN MB 14/44-46

SEAL-COUNTY
 RIVERSIDE COUNTY
TRANSPORTATION DEPARTMENT
 APPROVED BY:
 [Signature] 12/18/07
 RECOMMENDED
 [Signature] 12-18-07
 ALAN D. FRENCH, P.E.
 R.C.E. 45702 EXP. 12-31-08



ALBERT A. WEBB
 3788 McCRAY ST.
 RIVERSIDE, CA. 92506
 PH. (951) 686-1070
 PREPARED BY: [Signature] DATE: 12/3/07
 R.C.E. NO. C44782 EXP. DATE 3-31-08

Don't Dig...Until You Call U.S.A. Toll Free
 1-800-227-2600
 for the location of buried utility lines.
 Don't disrupt vital services.
 TWO WORKING DAYS BEFORE YOU DIG

PERMANENT BENCH MARK
 B.M. NO. S 327-1935
 3.9 MI. NW FROM WINCHESTER
 AND SANTA FE RAILWAY FROM THE STATION
 AT WINCHESTER, RIVERSIDE COUNTY, AT
 MENEFEE SIDING, 198 YRDS. NW OF THE
 SE SWITCH STAND, 72 FT. E OF MILEPOST 8,
 16.6 FT. NE OF THE CENTERLINE OF THE TRACK,
 AND 4.5 FT. NE OF THE STATION SIGN, A
 STANDARD DISK, STAMPED R 327 1935 AND
 SET IN THE TOP OF A CONCRETE POST.
 ELEVATION: 1478.07

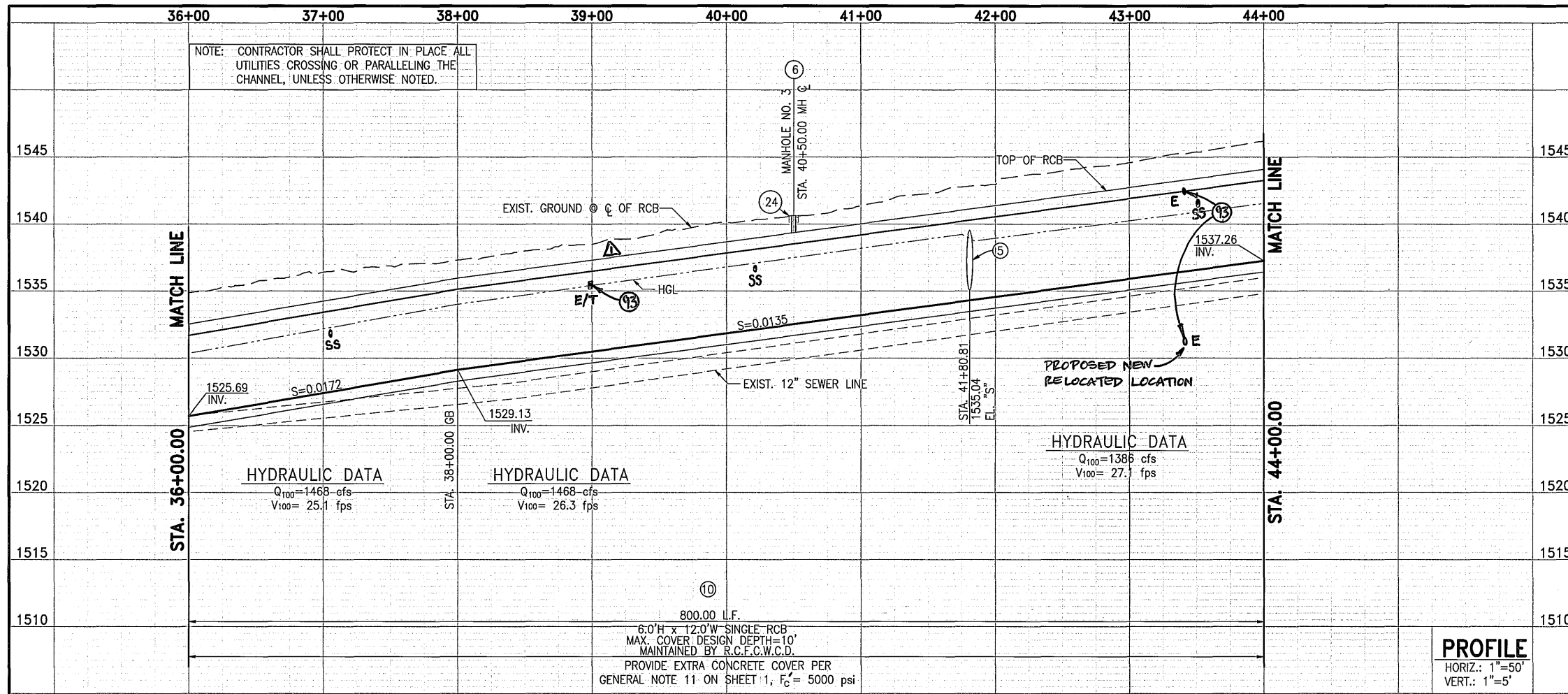
REVISIONS	APPR.	DATE
SEE SHEET 3B	[Signature]	12/18/07

DESIGNED BY: J.C.C.
 DRAWN BY: R.R.
 DATE DRAWN: 12/3/2007
 CHECKED BY: J.C.C.

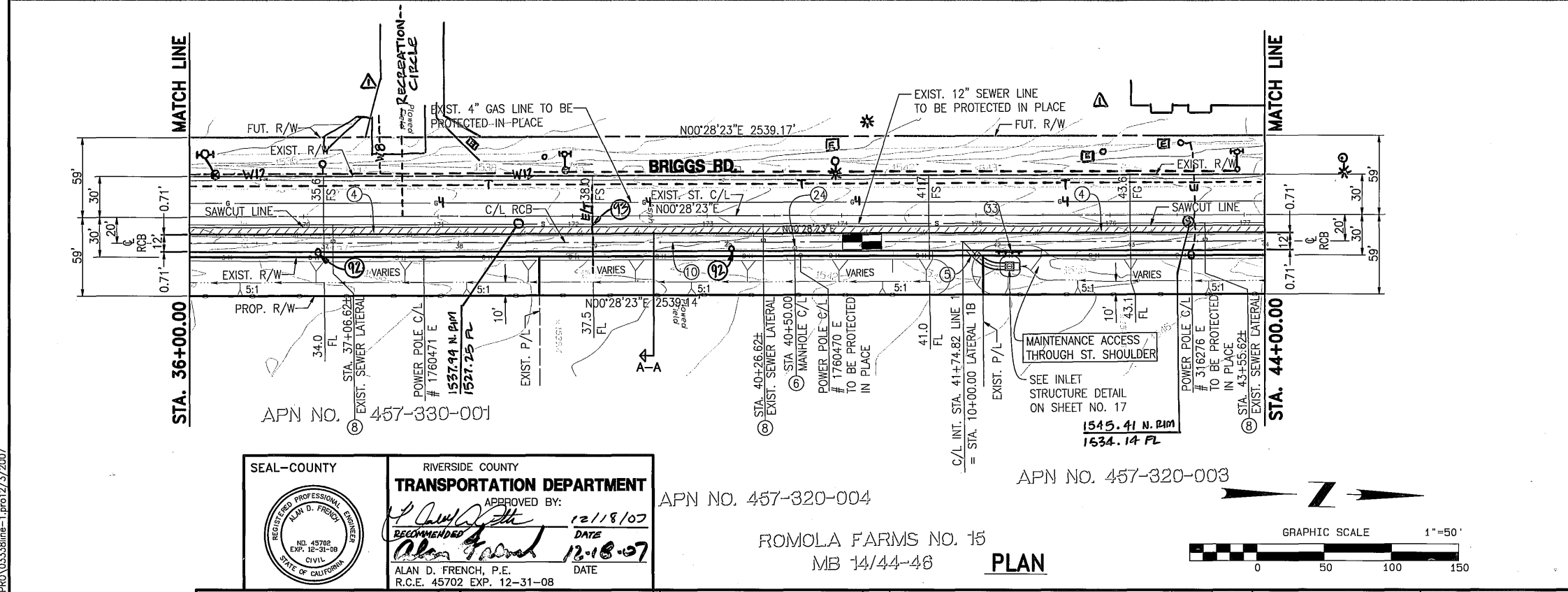
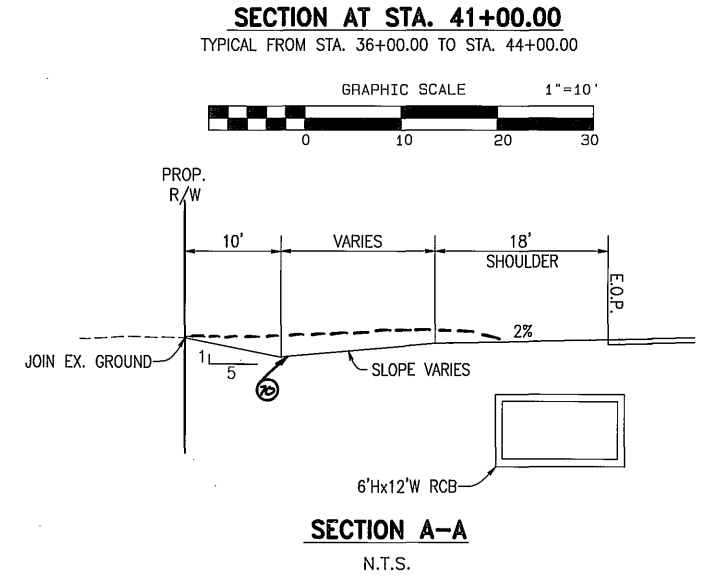
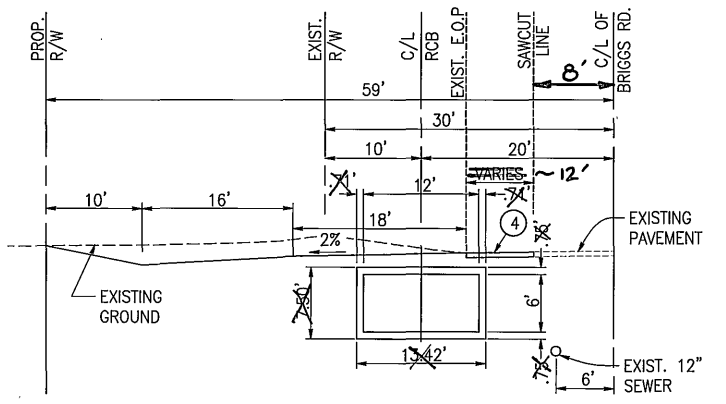
RIVERSIDE COUNTY FLOOD CONTROL
 AND
 WATER CONSERVATION DISTRICT
 RECOMMENDED FOR APPROVAL BY:
 [Signature] DATE: 12/21/07
 APPROVED BY:
 [Signature] DATE: 12-21-2007

IP050154
HOMELAND MDP
 LINE 1, STAGE 1
 STA. 28+00.00 TO STA. 36+00.00

MS4051
 PROJECT NO. 4-0-00345
 DRAWING NO. 4-859
 SHEET NO. 4 OF 34

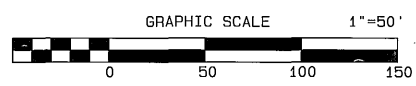


- NOTES**
- ④ SAWCUT, REMOVE AND REPLACE EXISTING PAVEMENT WITH 4" HMA OVER 7" AB.
 - ⑤ CONSTRUCT JUNCTION STRUCTURE #1
 - ⑥ CONSTRUCT MANHOLE NO. 3 PER RCFWCWD STD. DWG. MH253
 - ⑦ REMOVE AND PLUG EXISTING SEWER LATERAL
 - ⑩ CONSTRUCT 6.0'H x 12.0'W SINGLE RCB PER CALTRANS STD. D80 D83A
 - ⑫ CONSTRUCT 6" THICK CONCRETE PAD (7'x7') W/6"x6"/10x10 W.W.M. AROUND MANHOLE LID
 - ⑬ INSTALL METAL BEAM GUARD RAILING PER CALTRANS STD. A77# (12-18-75)
 - ⑭ ~~CONSTRUCT GRADED SWALE PER SECT. A-A THIS SHEET.~~ PER COUNTY STD. NO. 136. ADJUST WIDTH TO PROTECT POWER POLES.
 - ⑮ INTERFERING UTILITY TO BE RELOCATED BY OTHERS.
 - ⑯ REMOVE, SALVAGE AND INSTALL SIGN. Δ
 - ⑰ REMODEL EXISTING SEWER LATERAL PER EMWD STANDARDS AND SPECIFICATIONS. REFER TO THE EMWD PREPARED DRAWINGS.



SEAL-COUNTY
 RIVERSIDE COUNTY
TRANSPORTATION DEPARTMENT
 APPROVED BY: *[Signature]* DATE: 12/18/07
 RECOMMENDED BY: *[Signature]* DATE: 12-18-07
 ALAN D. FRENCH, P.E.
 R.C.E. 45702 EXP. 12-31-08

APN NO. 457-320-004
 ROMOLA FARMS NO. 15
 MB 14/44-46
PLAN



ALBERT A. WEBB ASSOCIATES
 3788 McCRAY ST.
 RIVERSIDE, CA. 92506
 PH. (951) 686-1070
 PREPARED BY: *[Signature]* DATE: 12-13-07
 R.C.E. NO. C44762 EXP. DATE 3-31-08

Don't Dig...Until You Call U.S.A. Toll Free 1-800-227-2600 for the location of buried utility lines. Don't disrupt vital services. TWO WORKING DAYS BEFORE YOU DIG

PERMANENT BENCH MARK
 B.M. NO. S 327-1935
 3.9 MI. NW FROM WINCHESTER
 3.9 MI. NW ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT WINCHESTER, RIVERSIDE COUNTY, AT MENEFEE SIDING, 198 YDS. NW OF THE SE SWITCH STAND, 72 FT. E OF MILEPOST 6, 16.5 FT. NE OF THE CENTERLINE OF THE TRACK, AND 4.5 FT. NE OF THE STATION SIGN. A STANDARD DISK, STAMPED R 327 1935 AND SET IN THE TOP OF A CONCRETE POST.
 ELEVATION: 1478.07

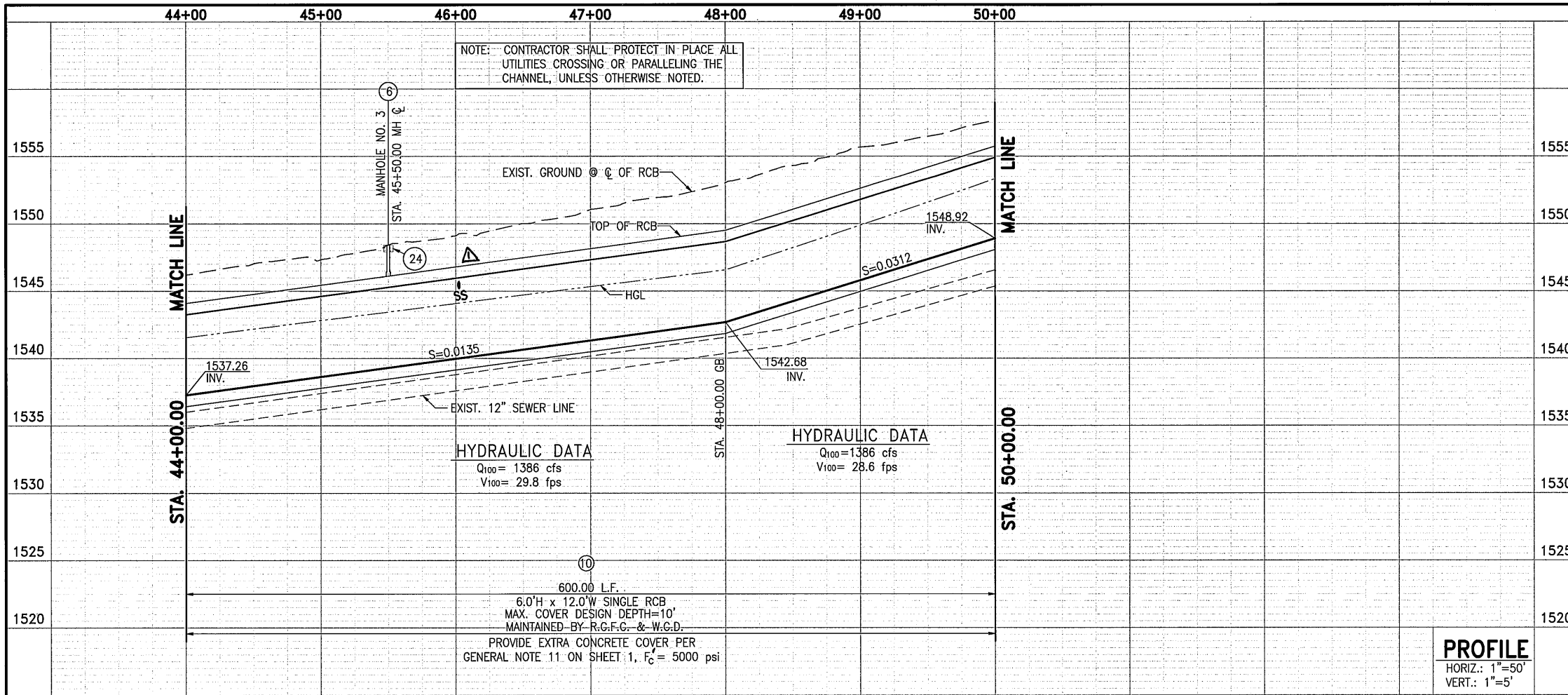
REF.	DESCRIPTION	APPR.	DATE
1	ADDED MISC. DETAILS	AWG	7/8/15

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
 DESIGNED BY: J.C.C.
 DRAWN BY: R.R.
 DATE DRAWN: 12/3/2007
 CHECKED BY: J.C.C.

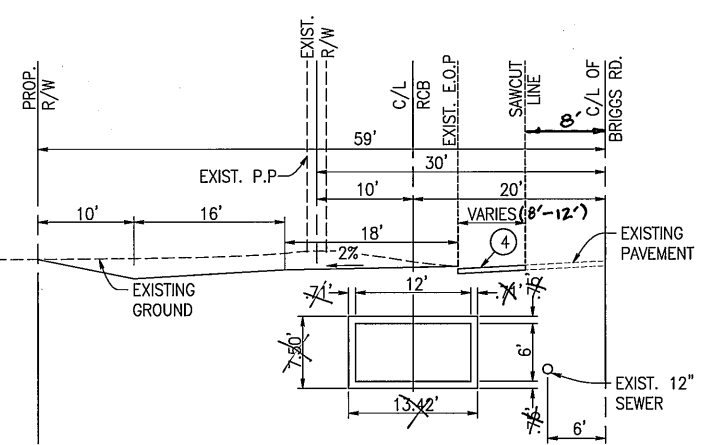
RECOMMENDED FOR APPROVAL BY: *[Signature]* DATE: 12/21/07
 APPROVED BY: *[Signature]* DATE: 12-21-2007

PROJECT NO. 4-0-00345
 DRAWING NO. 4-859
 SHEET NO. 5 OF 34

6/2003/03-0338 DWG&PRO 03338line-1.pro/12/15/2007

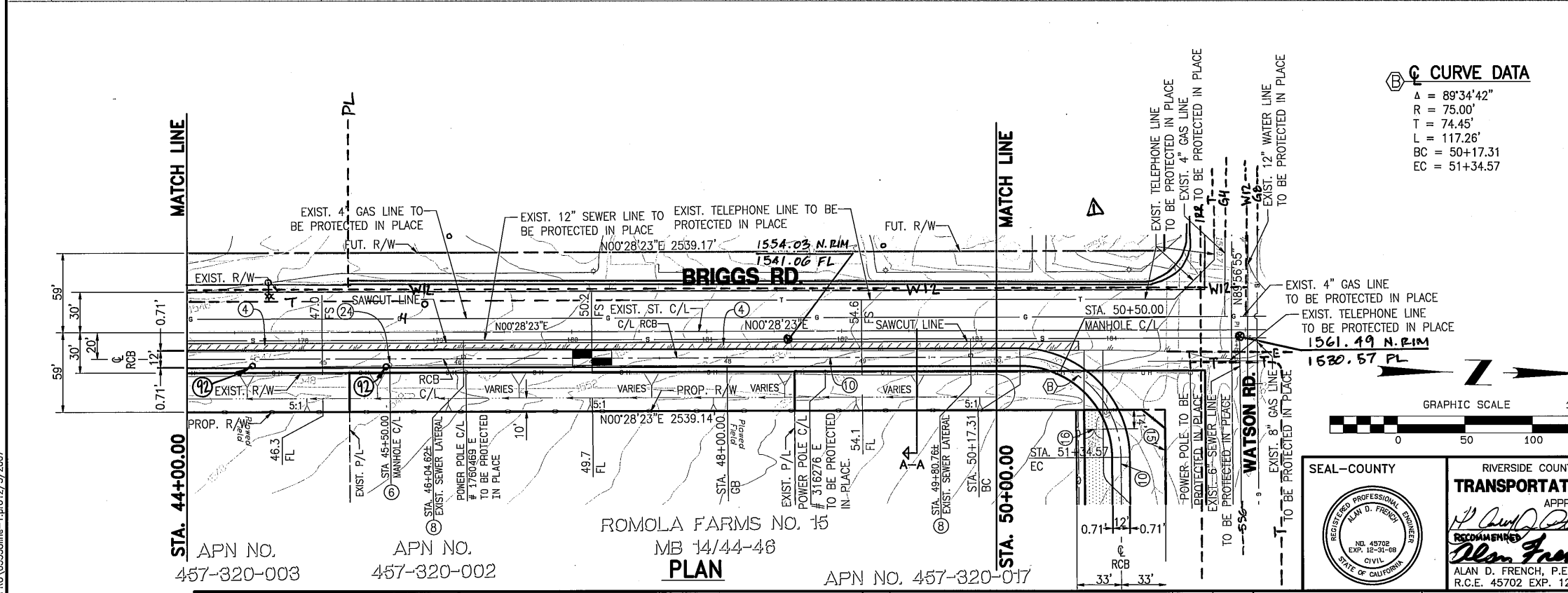
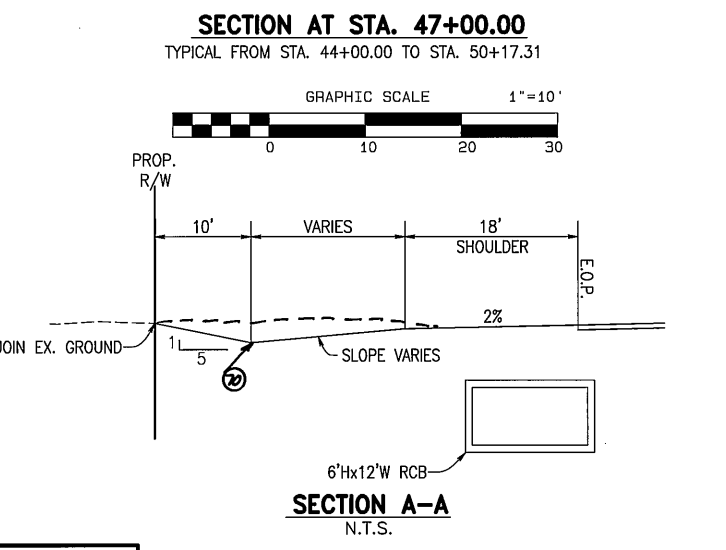


- NOTES**
- PROTECTED IN PLACE -**
- ② EXISTING POWER POLE TO BE ~~RELOCATED BY Edison~~ **PROTECTED IN PLACE.**
 - ④ SAWCUT, REMOVE AND REPLACE EXISTING PAVEMENT WITH 4" HMA OVER 7" AB.
 - ⑥ CONSTRUCT MANHOLE NO. 3 PER RCFWCD STD. DWG. MH253
 - ⑧ REMOVE AND PLUG EXISTING SEWER LATERAL
 - ⑩ CONSTRUCT 6.0'H x 12.0'W SINGLE RCB PER CALTRANS STD. D80 D83 A
 - ⑬ INSTALL 6' HIGH CHAIN LINK FENCE PER RCFWCD STD. DWG. M801
 - ⑮ INSTALL 14' WIDE DOUBLE DRIVE GATE PER RCFWCD STD. DWG. M801
 - ⑲ CONSTRUCT 6" THICK CONCRETE PAD (7'x7') W/6"x6"/10x10 W.W.M. AROUND MANHOLE LID
 - ⑳ ~~CONSTRUCT GRADED SWALE PER SDPRA-A-FENCE~~ COUNTY STD. 156. ADJUST WIDTH TO PROTECT POWER POLES
 - ㉑ REMOVE, SALVAGE AND REINSTALL SIGN.
 - ㉒ REMODEL EXISTING SEWER LATERAL PER EMWD STANDARD AND DRAWINGS. REFER TO THE EMWD PREPARED DRAWINGS.



Ⓢ CURVE DATA

Δ = 89°34'42"
 R = 75.00'
 T = 74.45'
 L = 117.26'
 BC = 50+17.31
 EC = 51+34.57



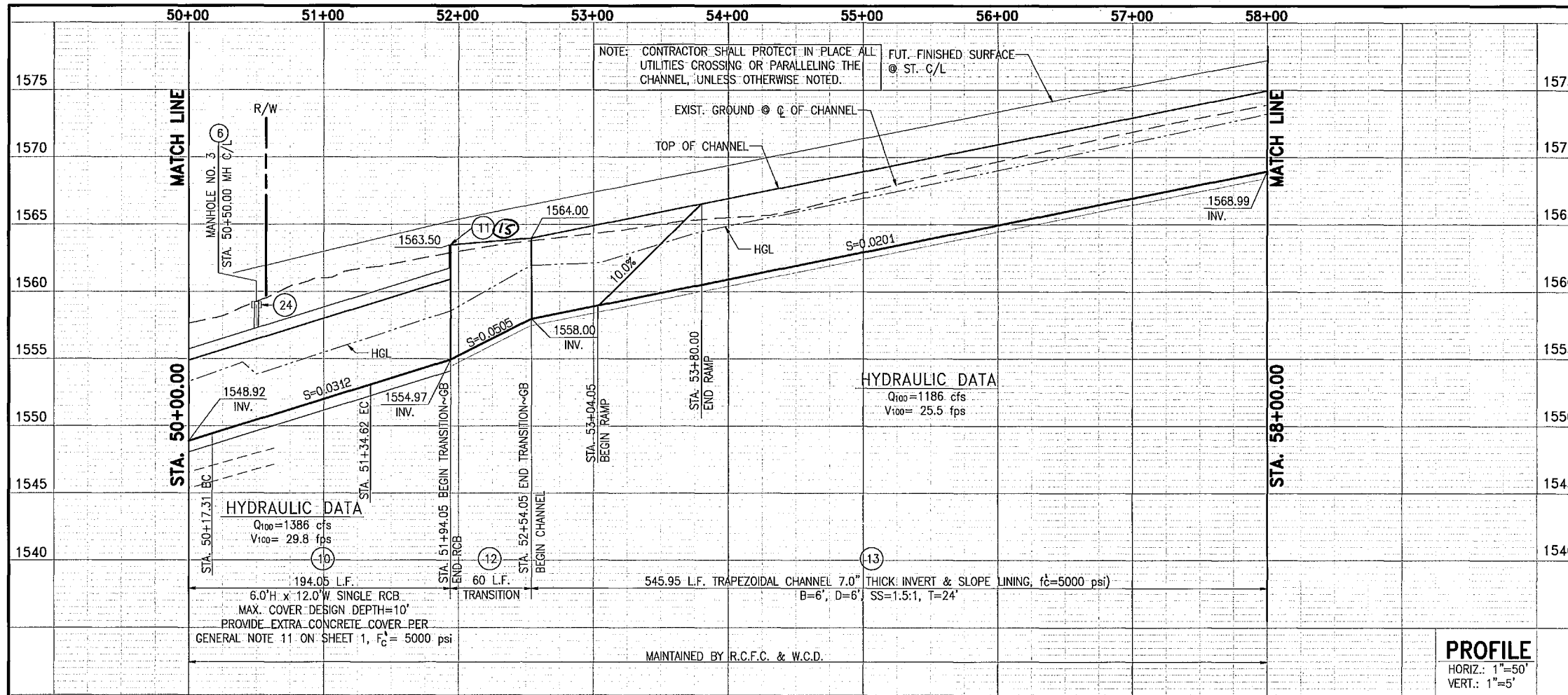
SEAL-COUNTY

RIVERSIDE COUNTY
TRANSPORTATION DEPARTMENT
 APPROVED BY:

Alan D. French 12/18/07
 RECOMMENDED BY: *Alan D. French* 12-18-07
 ALAN D. FRENCH, P.E.
 R.C.E. 45702 EXP. 12-31-08

	ALBERT A. WEBB ASSOCIATES 3788 McCRAY ST. RIVERSIDE, CA. 92506 PH. (951) 686-1070	Don't Dig...Until You Call U.S.A. Toll Free 1-800-227-2600 for the location of buried utility lines. Don't disrupt vital services. TWO WORKING DAYS BEFORE YOU DIG	PERMANENT BENCH MARK B.M. NO. S 327-1935 3.9 MI. NW FROM WINCHESTER 3.9 MI. NW ALONG THE ATCHISON/TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT WINCHESTER, RIVERSIDE COUNTY, AT MENEFEE SIDING, 198 YRDS. NW OF THE SE SWITCH STAND, 72 FT. E OF MILEPOST 6, 14.5 FT. NE OF THE CENTERLINE OF THE TRACK, AND 4.5 FT. NE OF THE STATION SIGN. A STANDARD DISK, STAMPED R 327 1935 AND SET IN THE TOP OF A CONCRETE POST. ELEVATION: 1478.07	REVISIONS A. ADDED MISC. DETAILS 5/16 7/8/15	DESIGNED BY: J.C.C. DRAWN BY: R.R. DATE DRAWN: 12/3/2007 CHECKED BY: J.C.C.	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT RECOMMENDED FOR APPROVAL BY: <i>[Signature]</i> APPROVED BY: <i>[Signature]</i> DATE: 12/21/07	IP050154 HOMELAND MDP LINE 1, STAGE 1 STA. 44+00.00 TO STA. 50+00.00	MS4051 PROJECT NO. 4-0-00345 DRAWING NO. 4-859 SHEET NO. 6 OF 34
	PREPARED BY: <i>[Signature]</i> DATE: 12-13-07 R.C.E. NO. C44762 EXP. DATE 3-31-08	APN NO. 457-320-003 APN NO. 457-320-002 APN NO. 457-320-017	ROMOLA FARMS NO. 15 MB 14/44-46 PLAN	STA. 44+00.00 STA. 45+50.00 STA. 48+00.00 STA. 50+00.00	STA. 44+00.00 STA. 45+50.00 STA. 48+00.00 STA. 50+00.00	STA. 44+00.00 STA. 45+50.00 STA. 48+00.00 STA. 50+00.00	STA. 44+00.00 STA. 45+50.00 STA. 48+00.00 STA. 50+00.00	STA. 44+00.00 STA. 45+50.00 STA. 48+00.00 STA. 50+00.00

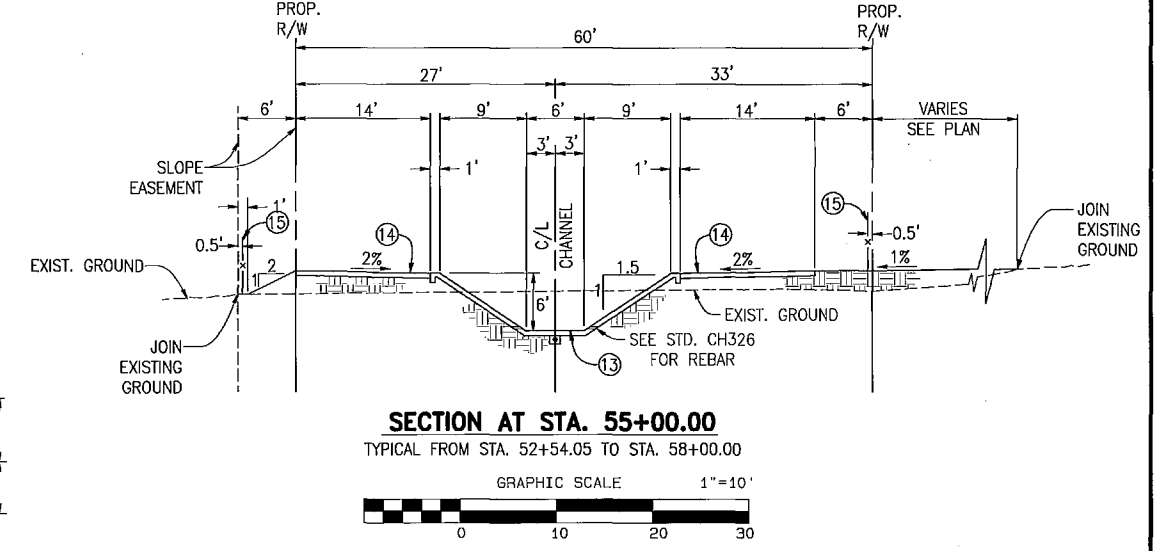
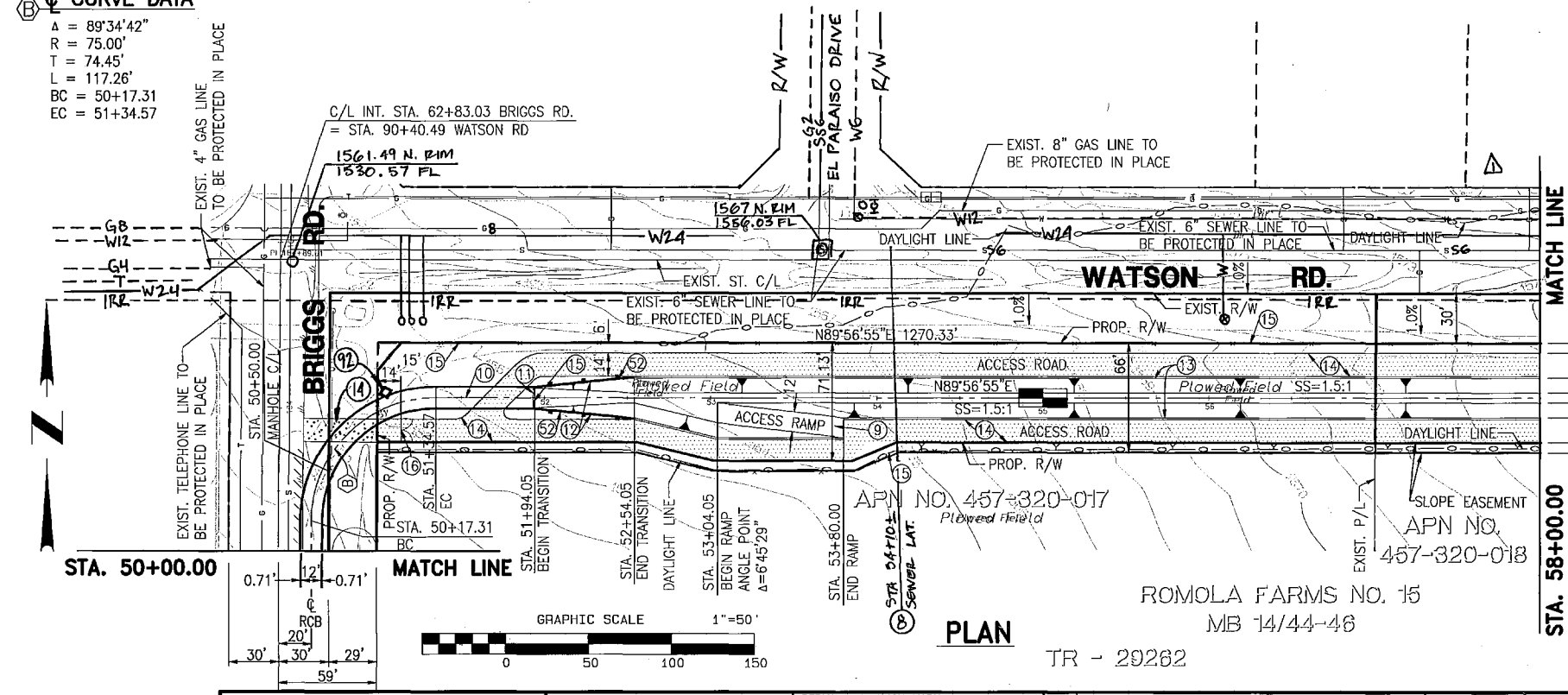
G:\2003\03-0338\DWG&PRO\03338line-1.pro 12/13/2007



- NOTES**
- ⑥ CONSTRUCT MANHOLE NO. 3 PER RCFWCD STD. DWG. MH253
 - ⑨ CONSTRUCT MAINTENANCE RAMP FOR TRAPEZOIDAL CHANNEL PER STD. DWG. CH330
 - ⑩ CONSTRUCT 6.0'H x 12.0' SINGLE RCB PER CALTRANS STD. ~~D80~~ **D83A**
 - ⑪ CONSTRUCT PARAPET WALL PER CALTRANS STD. D82
 - ⑫ CONSTRUCT TRANSITION STRUCTURE PER RCFWCD STD. DWG. CH329 AND DETAIL ON SHEET 16
 - ⑬ CONSTRUCT TRAPEZOIDAL CHANNEL PER RCFWCD STD. DWG. CH326 ("B", "D", "T" & THICKNESS PER PLAN)
 - ⑭ INSTALL 3" THICK CLASS II AGGREGATE BASE
 - ⑮ INSTALL 6' HIGH CHAIN LINK FENCE PER RCFWCD STD. DWG. M801
 - ⑯ INSTALL 14' WIDE DOUBLE DRIVE GATE PER RCFWCD STD. DWG. M801
 - ⑳ CONSTRUCT 6" THICK CONCRETE PAD (7'x7') W/6"x6"/10x10 W.W.M. AROUND MANHOLE LID
 - ㉑ INSTALL CABLE RAILING PER CALTRANS STD. B11-47
 - ㉒ REMOVE, SALVAGE AND REINSTALL SIGN. **△**
 - ㉓ REMODEL EXISTING SEWER LATERAL PER EMVD STANDARD AND SPECIFICATIONS. REFER TO EMVD PREPARED DRAWINGS.

PROFILE
 HORIZ.: 1"=50'
 VERT.: 1"=5'

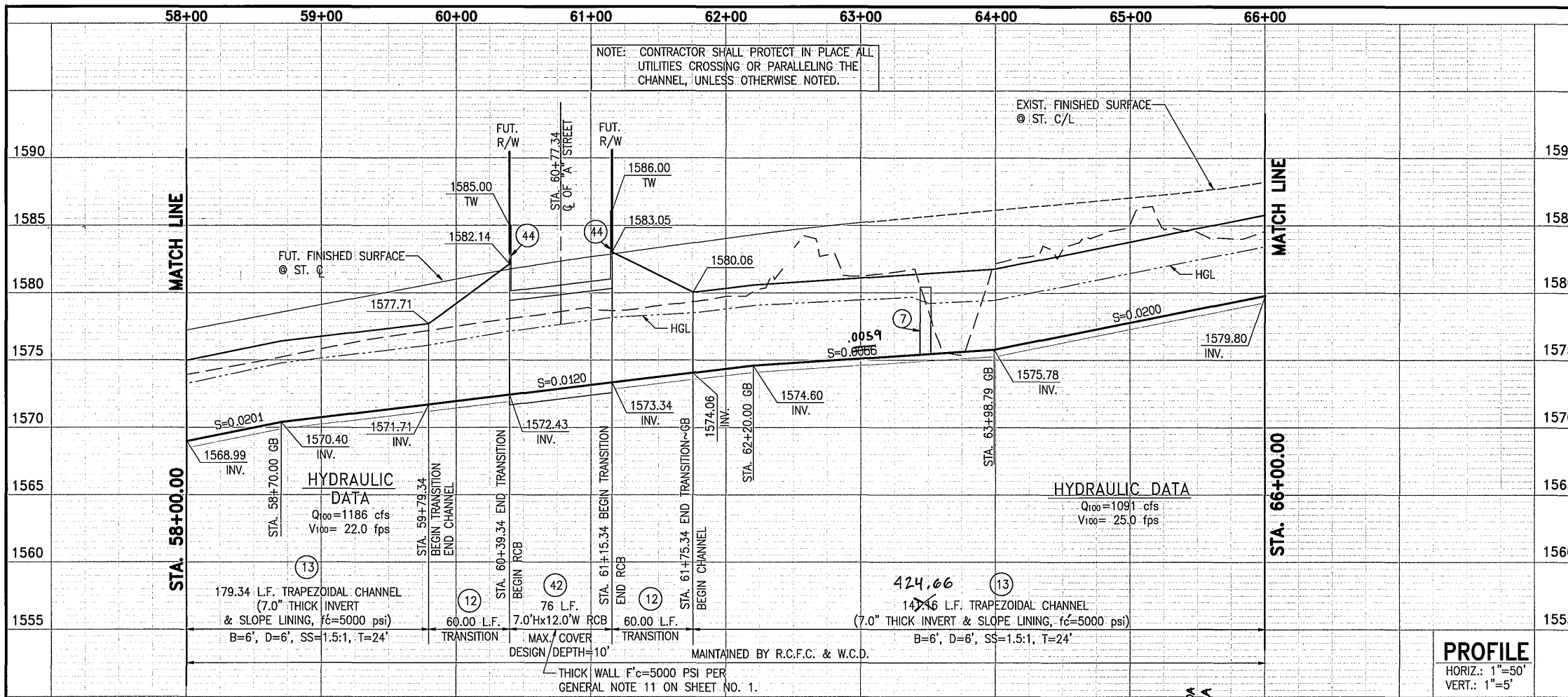
- ⑧ CURVE DATA**
- A = 89°34'42"
 - R = 75.00'
 - T = 74.45'
 - L = 117.26'
 - BC = 50+17.31
 - EC = 51+34.57



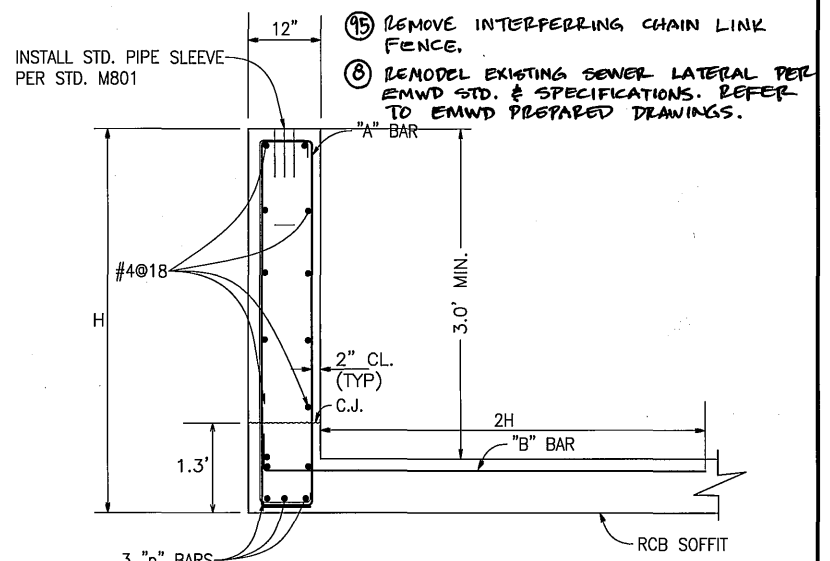
SEAL-COUNTY
 RIVERSIDE COUNTY
TRANSPORTATION DEPARTMENT
 APPROVED BY: *Alan French* 12/18/07
 RECOMMENDED: *Alan French* 12-18-07
 ALAN D. FRENCH, P.E. DATE
 R.C.E. 45702 EXP. 12-31-08

WEBB ASSOCIATES 3788 McCray St. Riverside, CA 92508 PH. (951) 686-1070 PREPARED BY: <i>[Signature]</i> DATE: 12-18-07 R.C.E. NO. C44762 EXP. DATE 3-31-08	Don't Dig...Until You Call U.S.A. Toll Free 1-800-227-2600 for the location of buried utility lines. Don't disrupt vital services. TWO WORKING DAYS BEFORE YOU DIG.	PERMANENT BENCH MARK B.M. NO. S 327-1935 3.9 MI. NW FROM WINCHESTER 3.9 MI. NW ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT WINCHESTER, RIVERSIDE COUNTY, AT MENEFEE SINK, 198 YDS. NW OF THE SE SWITCH STAND, 72 FT. E OF MILEPOST 6, 16.5 FT. NE OF THE CENTERLINE OF THE TRACK, AND 4.5 FT. NE OF THE STATION SIGN. A STANDARD DISK, STAMPED R 327 1935 AND SET IN THE TOP OF A CONCRETE POST. ELEVATION: 1478.07	REVISIONS 1. ADDED MISC. DETAILS <i>[Signature]</i> 7/18/15	DESIGNED BY: J.C.C. DRAWN BY: R.R. DATE DRAWN: 12/3/2007 CHECKED BY: J.C.C.	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT RECOMMENDED FOR APPROVAL BY: <i>[Signature]</i> DATE: 12/18/07 APPROVED BY: <i>Stuart E. KIL</i> DATE: 12-21-2007	PROJECT NO. 4-0-00345 DRAWING NO. 4-859 SHEET NO. 7 OF 34
			ROMOLA FARMS NO. 15 MB 14/44-46 TR - 29262	STA. 50+00.00 TO STA. 58+00.00	HOMELAND MDP LINE 1, STAGE 1	

6: 20031-03-0338 DWG&PRO 03338line-1,pro12/3/2007



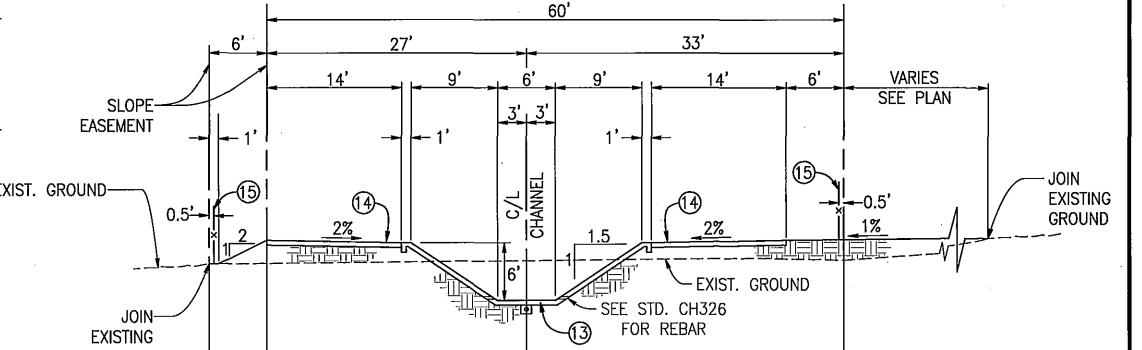
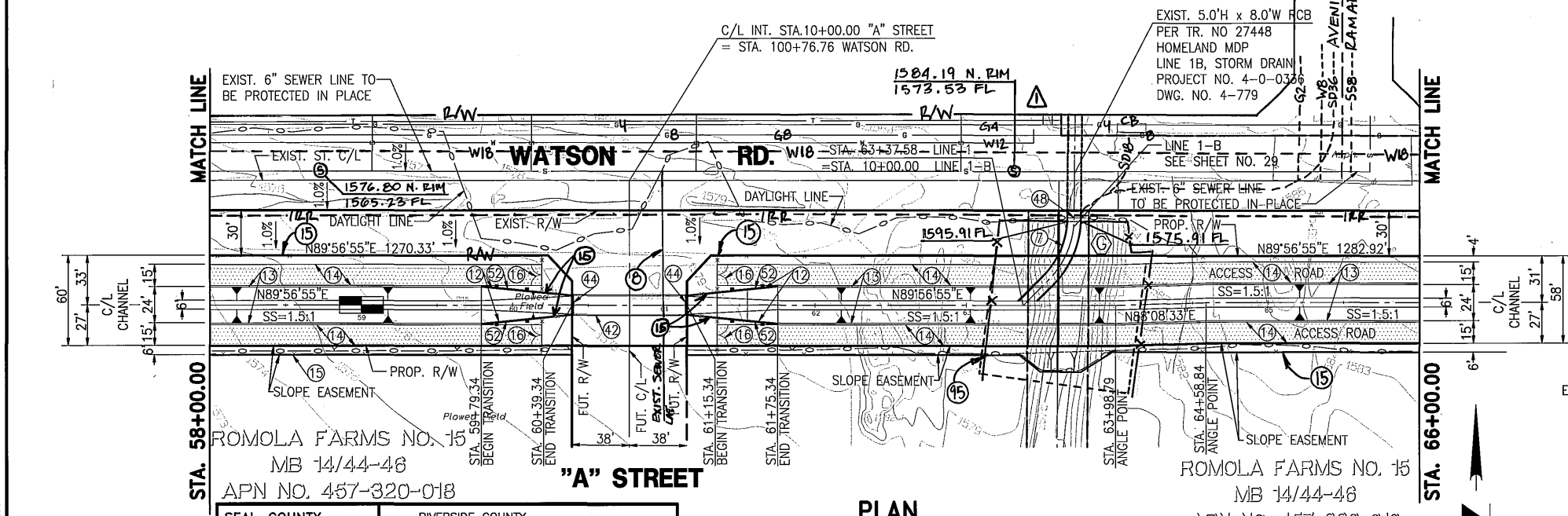
- NOTES**
- ⑦ CONSTRUCT 5.0'H x 8.0'W RCB PER CALTRANS STD. DWG. D81. SEE SHEET 29 FOR DETAILS.
 - ⑩ CONSTRUCT PARAPET WALL PER CALTRANS STD. D82
 - ⑫ CONSTRUCT TRANSITION STRUCTURE PER RCFWCWD STD. DWG. CH329 AND DETAIL ON SHEET 16
 - ⑬ CONSTRUCT TRAPEZOIDAL CHANNEL PER RCFWCWD STD. DWG. CH326 ("B", "D", "T" & THICKNESS PER PLAN)
 - ⑭ INSTALL 3" THICK CLASS II AGGREGATE BASE
 - ⑮ INSTALL 6' HIGH CHAIN LINK FENCE PER RCFWCWD STD. DWG. M801
 - ⑯ INSTALL 14' WIDE DOUBLE DRIVE GATE PER RCFWCWD STD. DWG. M801
 - ⑰ CONSTRUCT 7.0'H x 12.0'W SINGLE RCB PER CALTRANS STD. DWG. D80
 - ⑱ CONSTRUCT PARAPET WALL PER CALTRANS STD. D82 & DETAIL ON SHEET NO. 8
 - ⑲ REMOVE EXISTING IMPROVEMENTS AND JOIN EXISTING 5.0'H x 8.0'W RCB
 - ⑳ INSTALL CABLE RAILING PER CALTRANS STD. B11-47



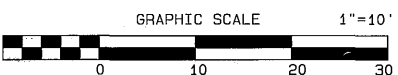
44 PARAPET WALL DETAIL
N.T.S.

f'c = 4,000 psi
fy = 60,000 psi

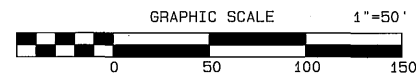
CROSSING	"A" BAR	"B" BAR	"p" BAR	H
STA. 60+39.34 @ EMPEROR RD.	#6 @ 12	#6 @ 12	#8	5.57'
STA. 61+15.34 @ EMPEROR RD.	#6 @ 12	#6 @ 12	#8	5.66'



SECTION AT STA. 59+00.00
TYPICAL FROM STA. 58+00.00 TO STA. 59+79.74



SEAL-COUNTY
RIVERSIDE COUNTY
TRANSPORTATION DEPARTMENT
APPROVED BY: *Alan D. French* 12/18/07
RECOMMENDED BY: *Alan D. French* 12-18-07
ALAN D. FRENCH, P.E.
R.C.E. 45702 EXP. 12-31-08



ALBERT A. WEBB ASSOCIATES
3788 McCRAV ST.
RIVERSIDE, CA. 92506
PH. (951) 886-1070
PREPARED BY: *Alan D. French* DATE: 12-13-07
R.C.E. NO. C44762 EXP. DATE 3-31-08

Don't Dig...Until You Call U.S.A. Toll Free 1-800-227-2600 for the location of buried utility lines. Don't disrupt vital services. TWO WORKING DAYS BEFORE YOU DIG

PERMANENT BENCH MARK
B.M. NO. S 327-1935
3.9 MI. NW FROM WINCHESTER
3.9 MI. NW ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT WINCHESTER, RIVERSIDE COUNTY, AT MENEFEE SIDING, 199 YRDS. NW OF THE SE SWITCH STAND, 72 FT. E OF MILEPOST 6, 16.5 FT. NE OF THE CENTERLINE OF THE TRACK, AND 4.5 FT. NE OF THE STATION SIGN, A STANDARD DISK, STAMPED R 327 1935 AND SET IN THE TOP OF A CONCRETE POST.
ELEVATION: 1478.07

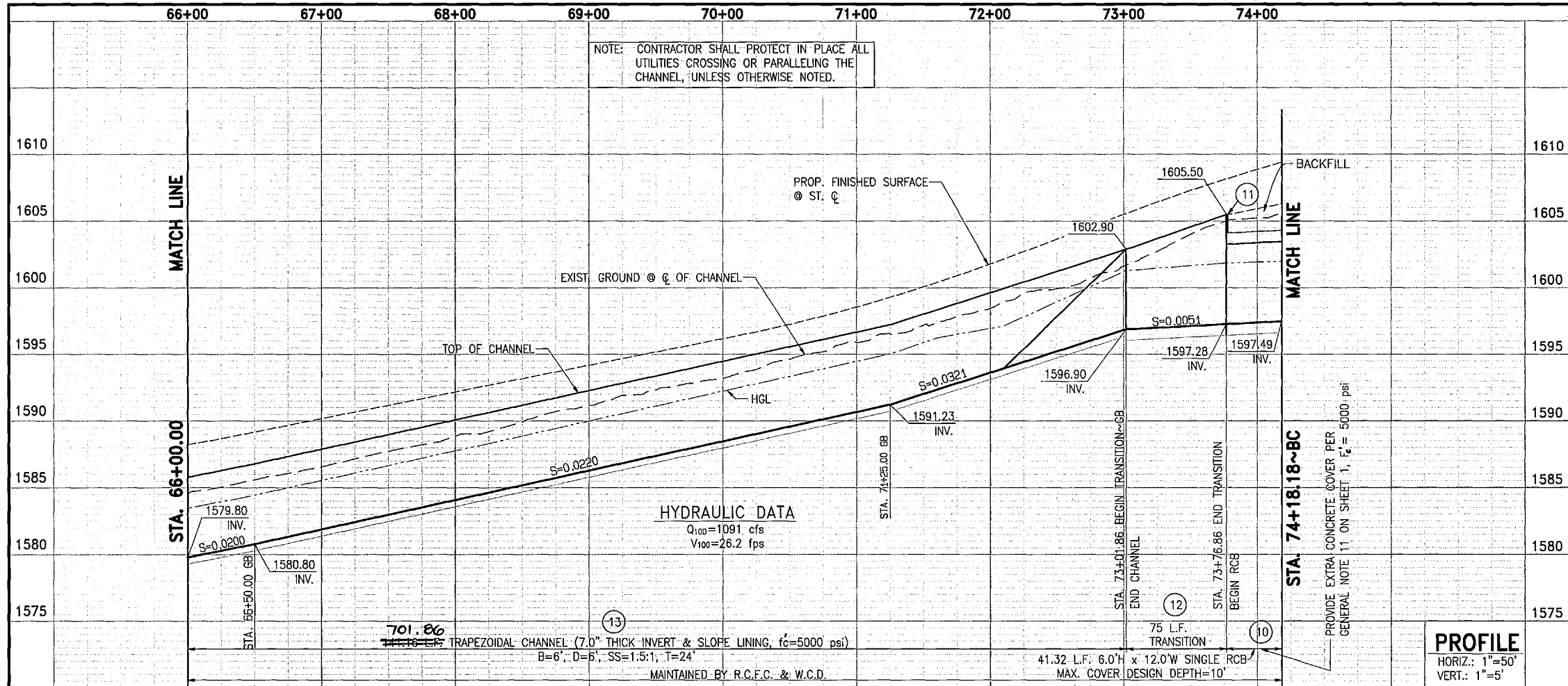
REVISIONS	DATE
ADDED MISC. DETAILS	7/8/15

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

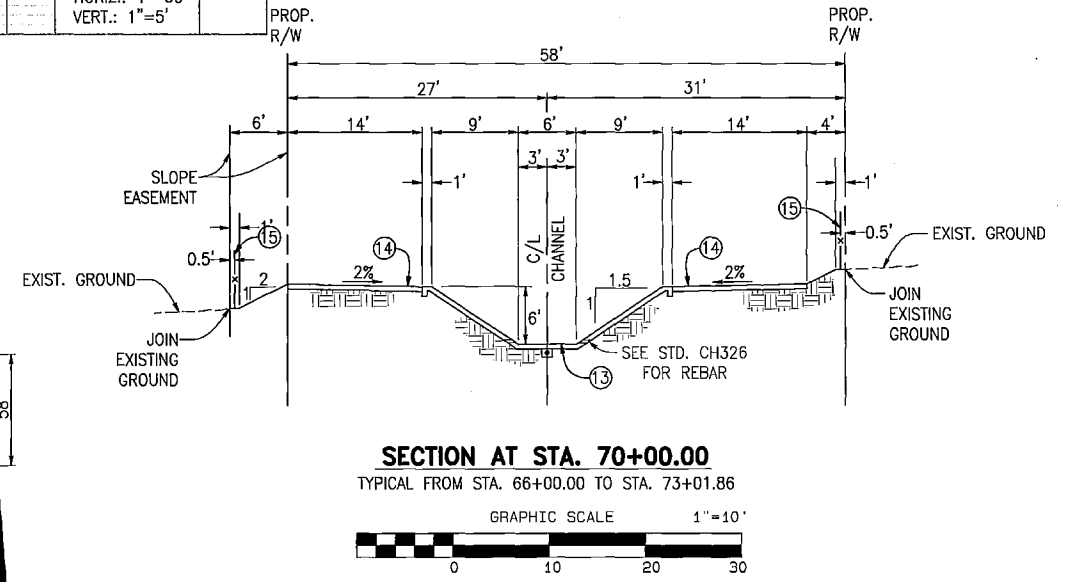
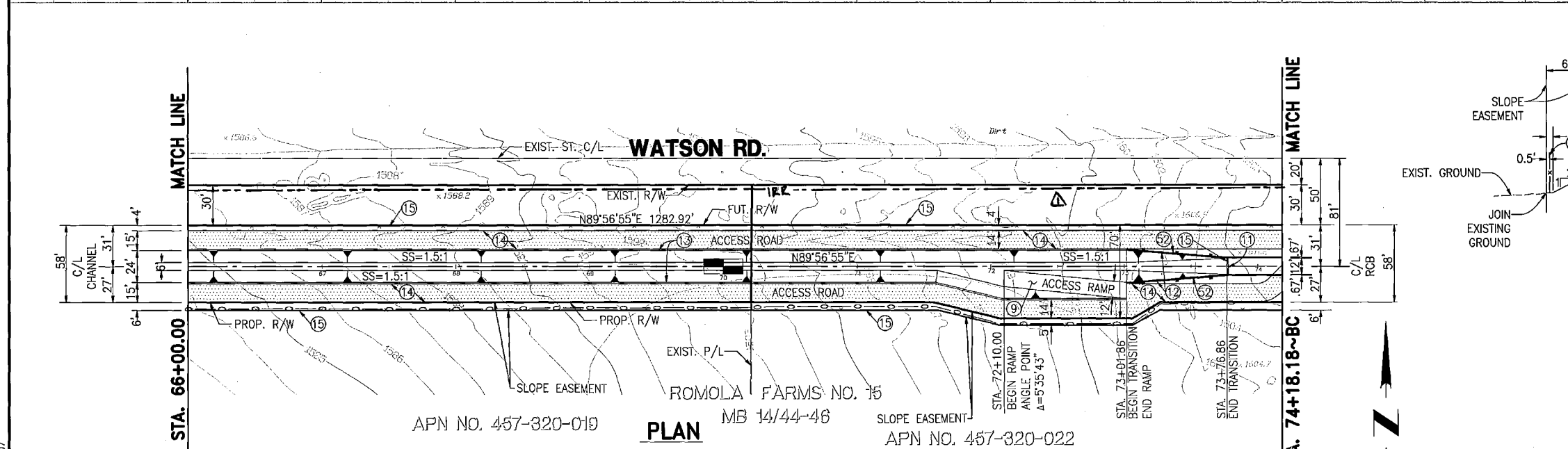
DESIGNED BY: J.C.C.	RECOMMENDED FOR APPROVAL BY: <i>[Signature]</i>	APPROVED BY: <i>[Signature]</i>
DRAWN BY: R.R.	DATE: 12/3/2007	DATE: 12-21-2007
CHECKED BY: J.C.C.		

IP050154
HOMELAND MDP
LINE 1, STAGE 1
STA. 58+00.00 TO STA. 66+00.00

PROJECT NO. 4-0-00345	DRAWING NO. 4-859	SHEET NO. 8 OF 34
-----------------------	-------------------	-------------------



- NOTES**
- ⑨ CONSTRUCT MAINTENANCE RAMP FOR TRAPEZOIDAL CHANNEL PER STD. DWG. CH330
 - ⑩ CONSTRUCT 6.0'H x 12.0'W SINGLE RCB PER CALTRANS STD. D80
 - ⑪ CONSTRUCT PARAPET WALL PER CALTRANS STD. D82
 - ⑫ CONSTRUCT TRANSITION STRUCTURE PER RCFWCWD STD. DWG. CH329 AND DETAIL ON SHEET 16
 - ⑬ CONSTRUCT TRAPEZOIDAL CHANNEL PER RCFWCWD STD. DWG. CH326 ("B", "D", "T" & THICKNESS PER PLAN)
 - ⑭ INSTALL 3" THICK CLASS II AGGREGATE BASE
 - ⑮ INSTALL 6' HIGH CHAIN LINK FENCE PER RCFWCWD STD. DWG. M801
 - ⑯ INSTALL CABLE RAILING PER CALTRANS STD. B11-47



APN NO. 457-320-019 MB 14/44-46 APN NO. 457-320-022

PLAN

SEAL-COUNTY RIVERSIDE COUNTY
TRANSPORTATION DEPARTMENT
 APPROVED BY: *Alan D. French* 12/18/07
 RECOMMENDED BY: *Alan French* 12-18-07
 ALAN D. FRENCH, P.E. DATE
 R.C.E. 45702 EXP. 12-31-08

GRAPHIC SCALE 1"=50'

ALBERT A. WEBB ASSOCIATES 3788 McCRAY ST. RIVERSIDE, CA. 92508 PH/ (951) 686-1070
 PREPARED BY: *Scott R. Hildner* DATE: 12-18-07
 R.C.E. NO. C44762 EXP. DATE 3-31-08

PERMANENT BENCH MARK B.M. NO. S 327-1935 3.9 MI. NW FROM WINCHESTER 3.9 MI. NW ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT WINCHESTER, RIVERSIDE COUNTY, AT WENEFEE SIDING, 188 YRDS. NW OF THE SE SWITCH STAND, 72 FT. E OF MILEPOST 6, 16.5 FT. NE OF THE CENTERLINE OF THE TRACK, AND 4.5 FT. NE OF THE STATION SIGN. A STANDARD DISK, STAMPED R 327 1935 AND SET IN THE TOP OF A CONCRETE POST. ELEVATION: 1478.07

REF.	DESCRIPTION	APPR.	DATE
Δ	ADDED MISC. DETAILS	JCC	7/8/15

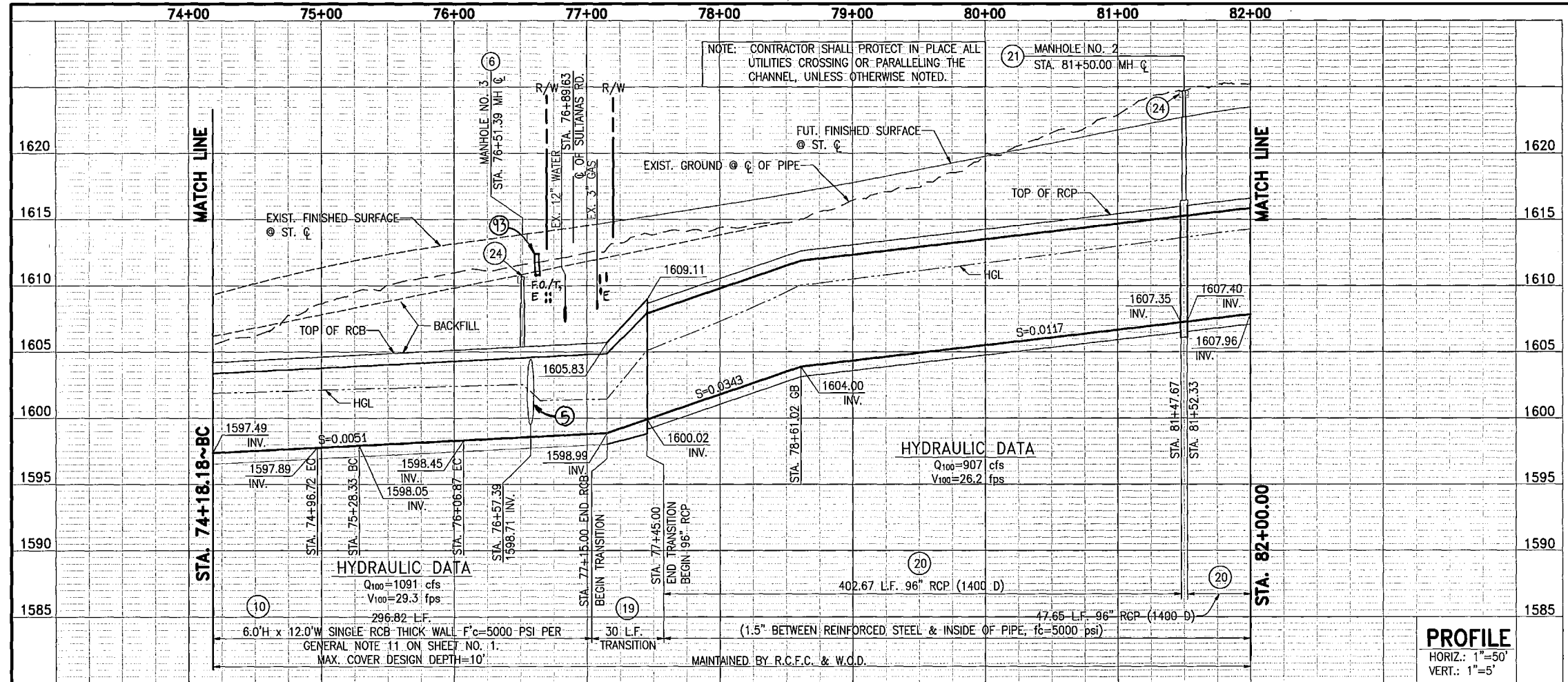
DESIGNED BY: J.C.C.
 DRAWN BY: R.R.
 DATE DRAWN: 12/3/2007
 CHECKED BY: J.C.C.

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
 RECOMMENDED FOR APPROVAL BY: *Scott R. Hildner*
 DATE: 12/21/07
 APPROVED BY: *Stuart E. P. Kell*
 DATE: 12-21-2007

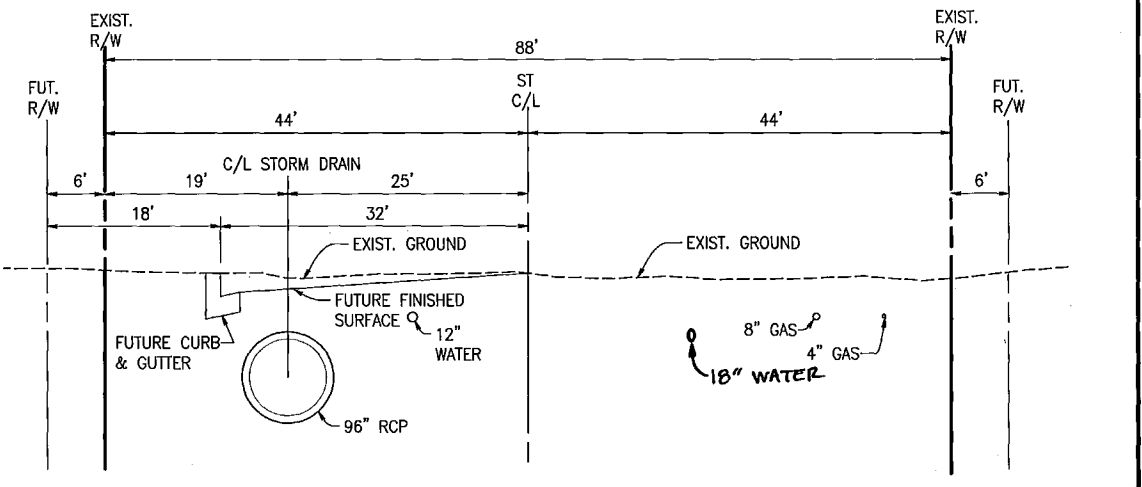
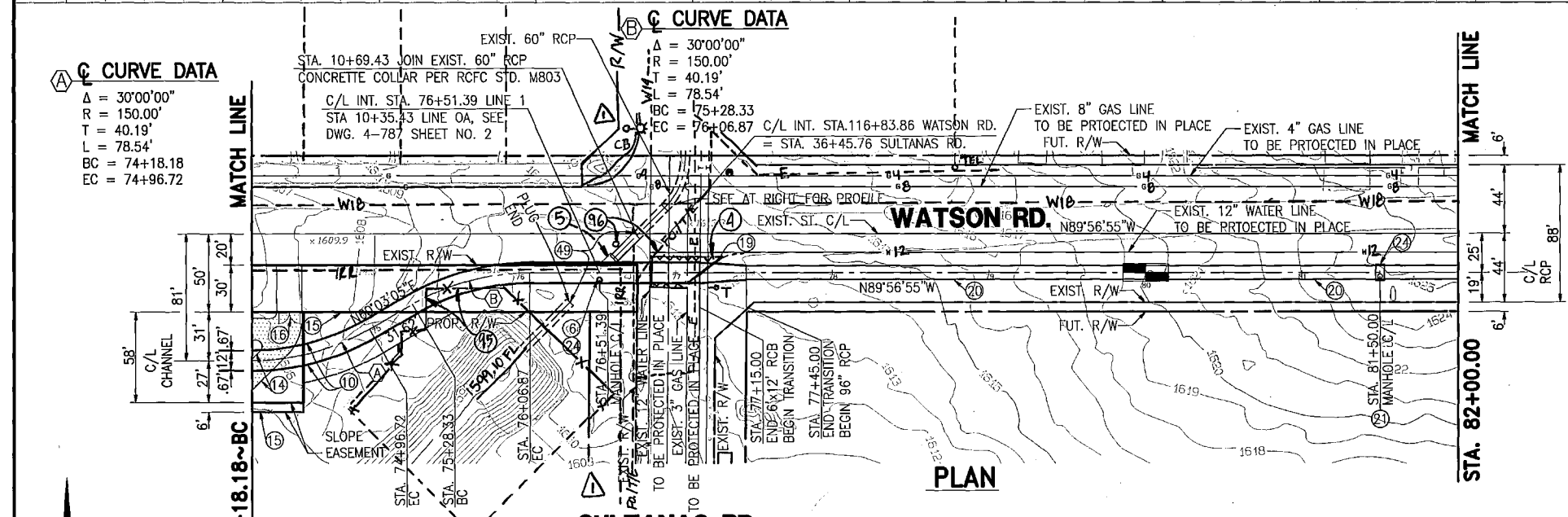
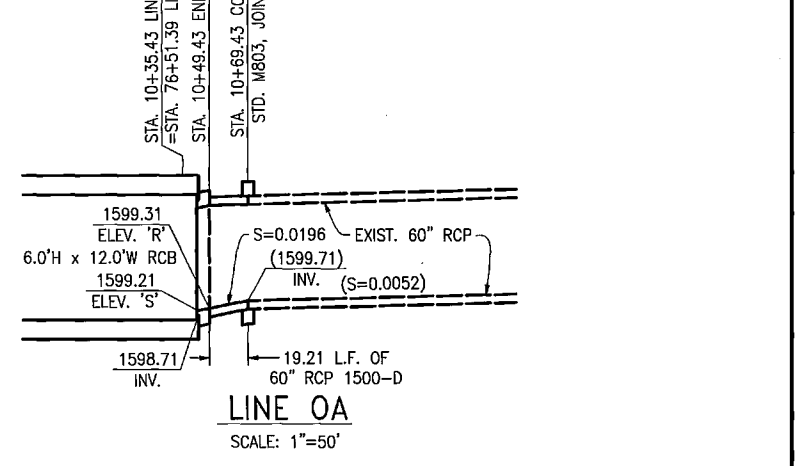
IP050154 MS4051
HOMELAND MDP
LINE 1, STAGE 1
 STA. 66+00.00 TO STA. 74+00.00

PROJECT NO. 4-0-00345
 DRAWING NO. 4-859
 SHEET NO. 9 OF 34

G:\2003\03-0338\DWG&PRO\0338line-1.prc12/3/2007



- NOTES**
- ⑥ CONSTRUCT MANHOLE NO. 3 PER RCFCWD STD. DWG. MH253
 - ⑩ CONSTRUCT 6.0'H x 12.0'W SINGLE RCB PER CALTRANS STD. D80
 - ⑭ INSTALL 3" THICK CLASS II AGGREGATE BASE
 - ⑮ INSTALL 6' HIGH CHAIN LINK FENCE PER RCFCWD STD. DWG. M801
 - ⑯ INSTALL 14' WIDE DOUBLE DRIVE GATE PER RCFCWD STD. DWG. M801
 - ⑰ CONSTRUCT RCB TO PIPE TRANSITION PER RCFCWD STD. DWG. TS301
 - ⑳ CONSTRUCT 96" RCP, BEDDING PER RCFCWD STD. DWG. M815
 - ㉑ CONSTRUCT MANHOLE NO. 2 PER RCFCWD STD. DWG. MH252
 - ㉒ CONSTRUCT 6" THICK CONCRETE PAD (7'x7') W/6"x6"/10x10 W.W.M. AROUND MANHOLE LID
 - ㉓ REMOVE EXISTING 60" RCP AS SHOWN AND JOIN 6.0' x 12.0' RCB
 - ㉔ INTERFERING UTILITY TO BE RELOCATED BY EMWD.
 - ㉕ REMOVE AND REPLACE INTERFERING CHAIN LINK FENCE PER RCFC STD. M801.
 - ㉖ PROTECT IN PLACE.
 - ㉗ CONSTRUCT JS NO.1 PER RCFC STD JS226.
 - ㉘ SAWCUT, REMOVE AND REPLACE EXISTING PAVEMENT. SEE TYPICAL DETAIL ON SHEET. 34A.



APN NO. 457-320-022
ROMOLA FARMS NO. 15
MB 14/44-48

GRAPHIC SCALE 1"=50'

SEAL-COUNTY
 RIVERSIDE COUNTY
TRANSPORTATION DEPARTMENT
 APPROVED BY:
Alan French 12/18/07
 ALAN D. FRENCH, P.E.
 R.C.E. 45702 EXP. 12-31-08

SECTION AT STA. 80+00.00
 TYPICAL FROM STA. 77+45.00 TO STA. 82+00.00

GRAPHIC SCALE 1"=10'

ALBERT A. WEBB ASSOCIATES
 3788 McCray St.
 Riverside, CA. 92506
 PH. (951) 686-1070

PERMANENT BENCH MARK
 B.M. NO. S 327-1935
 3.8 MI. NW FROM WINCHESTER
 3.9 MI. NW ALONG THE ATCHISON, TOPEKA
 AND SANTA FE RAILWAY FROM THE STATION
 AT WINCHESTER, RIVERSIDE COUNTY, AT
 MENEFEE SPRING, 198 YDS. NW OF THE
 SE SWITCH STAND, 72 FT. E OF MILEPOST 6
 16.8 FT. NE OF THE CENTERLINE OF THE TRACK,
 AND 4.5 FT. NE OF THE STATION SIGN. A
 STANDARD DISK, STAMPED R 327 1935 AND
 SET IN THE TOP OF A CONCRETE POST.
 ELEVATION: 1478.07

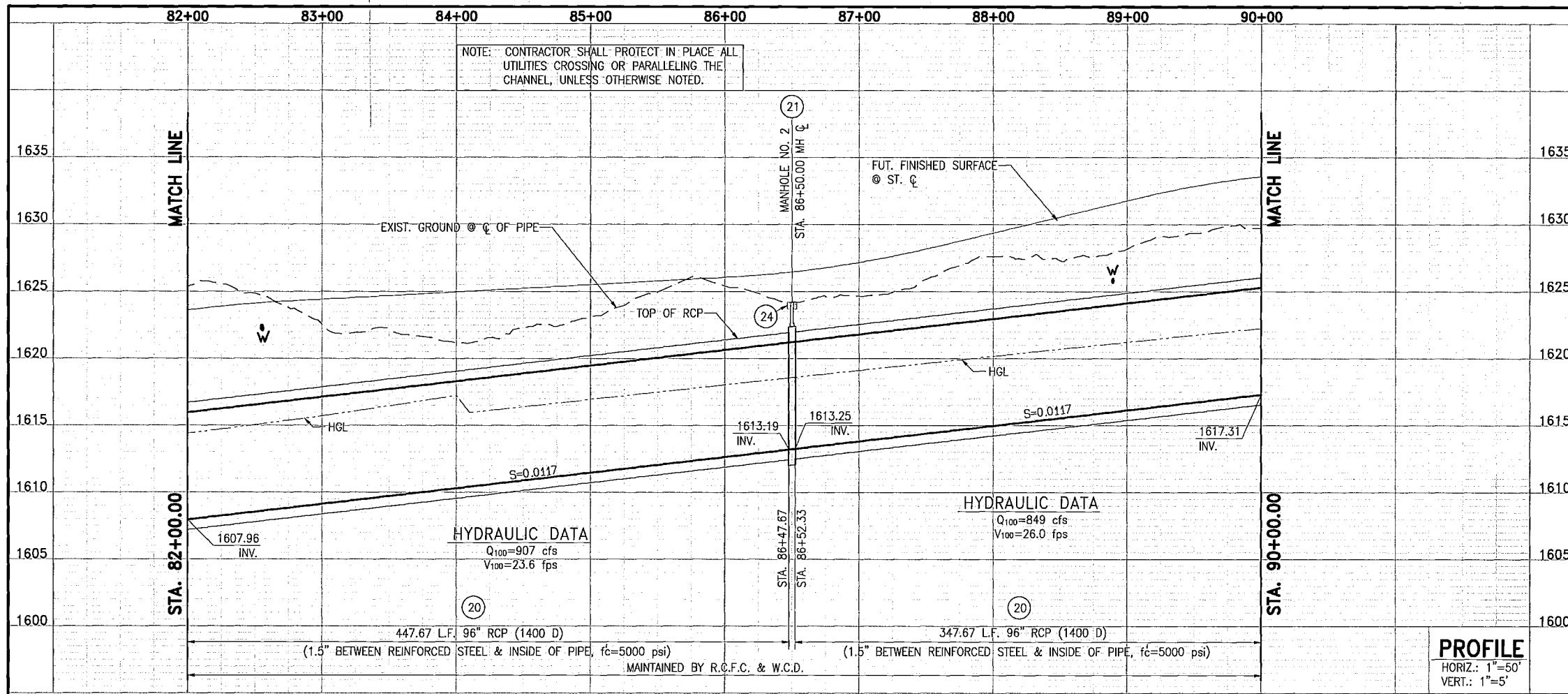
REVISIONS
 1. ADDED MISC. DETAILS
 2. J.C.C. 7/8/05

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
 RECOMMENDED FOR APPROVAL BY: *[Signature]*
 APPROVED BY: *[Signature]*
 DATE: 12/21/07

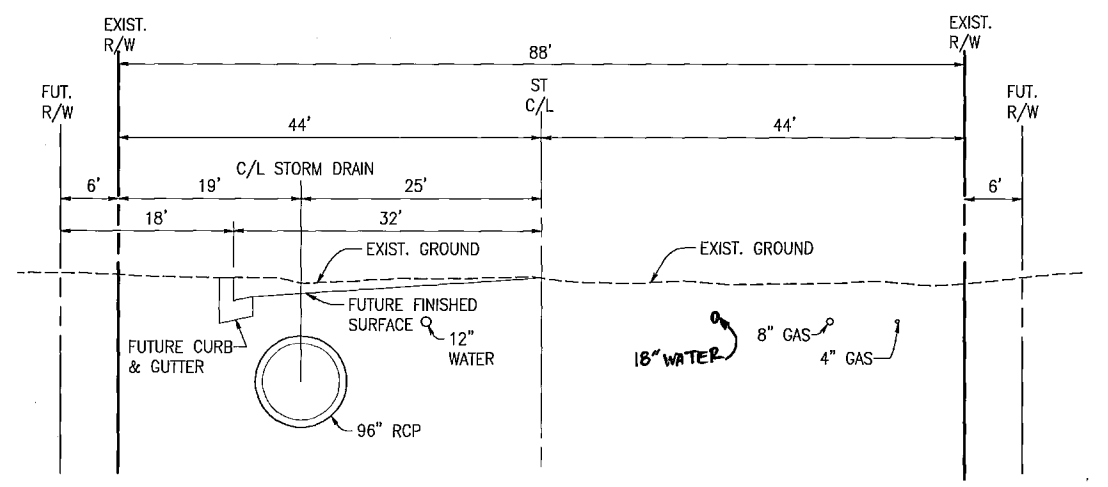
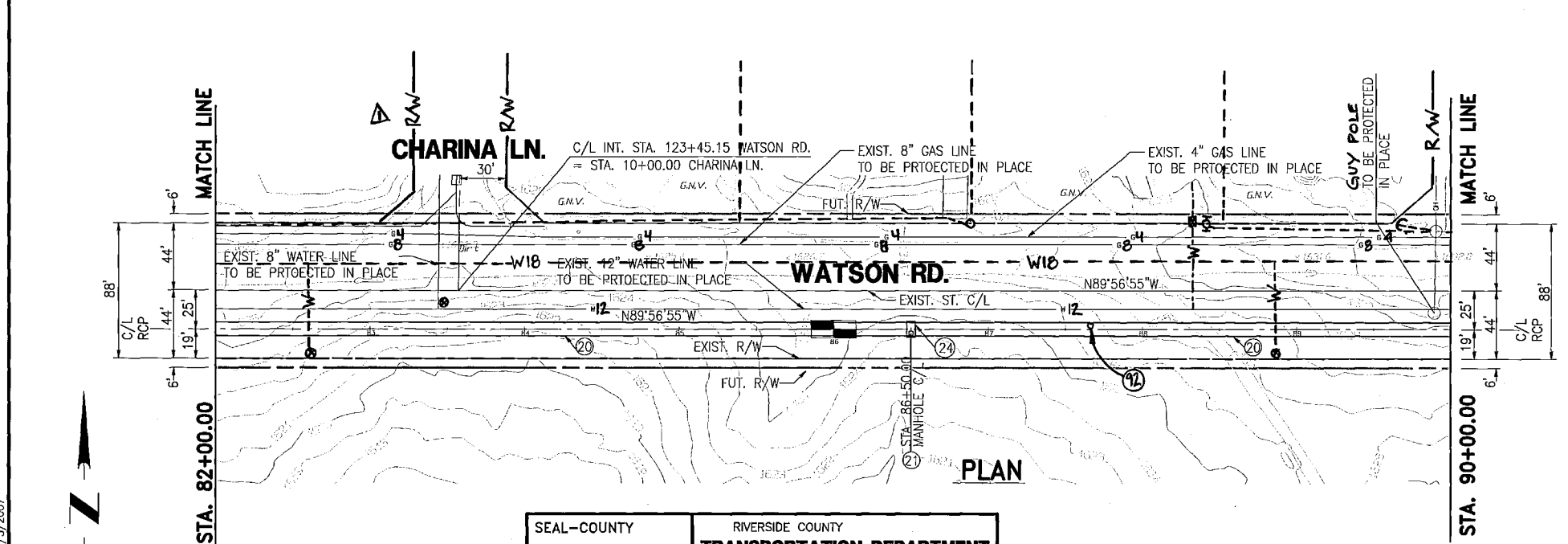
PROJECT NO. 4-0-00345
 DRAWING NO. 4-859
 SHEET NO. 10 OF 34

APN NO. 457-320-022
 ROMOLA FARMS NO. 15
 MB 14/44-48

G:\2003\03-0338\DWG&PRO\0338line-1.pro 12/3/2007

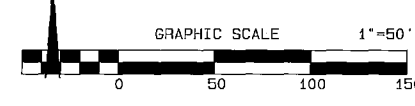


- NOTES**
- (20) CONSTRUCT 96" RCP, BEDDING PER RCFCWCD STD. DWG. M815
 - (21) CONSTRUCT MANHOLE NO. 2 PER RCFCWCD STD. DWG. MH252
 - (24) CONSTRUCT 6" THICK CONCRETE PAD (7'x7') W/6"x6"/10x10 W.W.M. AROUND MANHOLE LID
 - (12) REMOVE, SALVAGE AND REINSTALL SIGN. Δ



SECTION AT STA. 86+00.00
 TYPICAL FROM STA. 82+00.00 TO STA. 90+00.00
 GRAPHIC SCALE 1"=10'

CA 2005 03-03388 DWG&PROJ 033388.dwg - 1.ppt 12/15/2007



SEAL-COUNTY

RIVERSIDE COUNTY
TRANSPORTATION DEPARTMENT

APPROVED BY: *Alan D. French* 12/18/07
 DATE: 12-18-07
 ALAN D. FRENCH, P.E.
 R.C.E. 45702 EXP. 12-31-08

ALBERT A. WEBB ASSOCIATES
 3788 McCRAY ST.
 RIVERSIDE, CA. 92506
 PH. (951) 686-1070

PREPARED BY: *Albert A. Webb* DATE: 12-13-07
 R.C.E. NO. C44762 EXP. DATE 3-31-08

Don't Dig...Until You Call U.S.A. Toll Free 1-800-227-2600 for the location of buried utility lines. Don't disrupt vital services.

PERMANENT BENCH MARK
 B.M. NO. S 327-1935
 3.9 MI. NW FROM WINCHESTER
 3.9 MI. NW ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT WINCHESTER, RIVERSIDE COUNTY AT MENEFEE SIDING, 198 YRDS. NW OF THE SE SWITCH STAND, 72 FT. E. OF MILEPOST 6, 16.9 FT. NE OF THE CENTERLINE OF THE TRACK, AND 4.9 FT. NE OF THE STATION SIGN. A STANDARD DISK, STAMPED R 327 1935 AND SET IN THE TOP OF A CONCRETE POST.
 ELEVATION: 1478.07

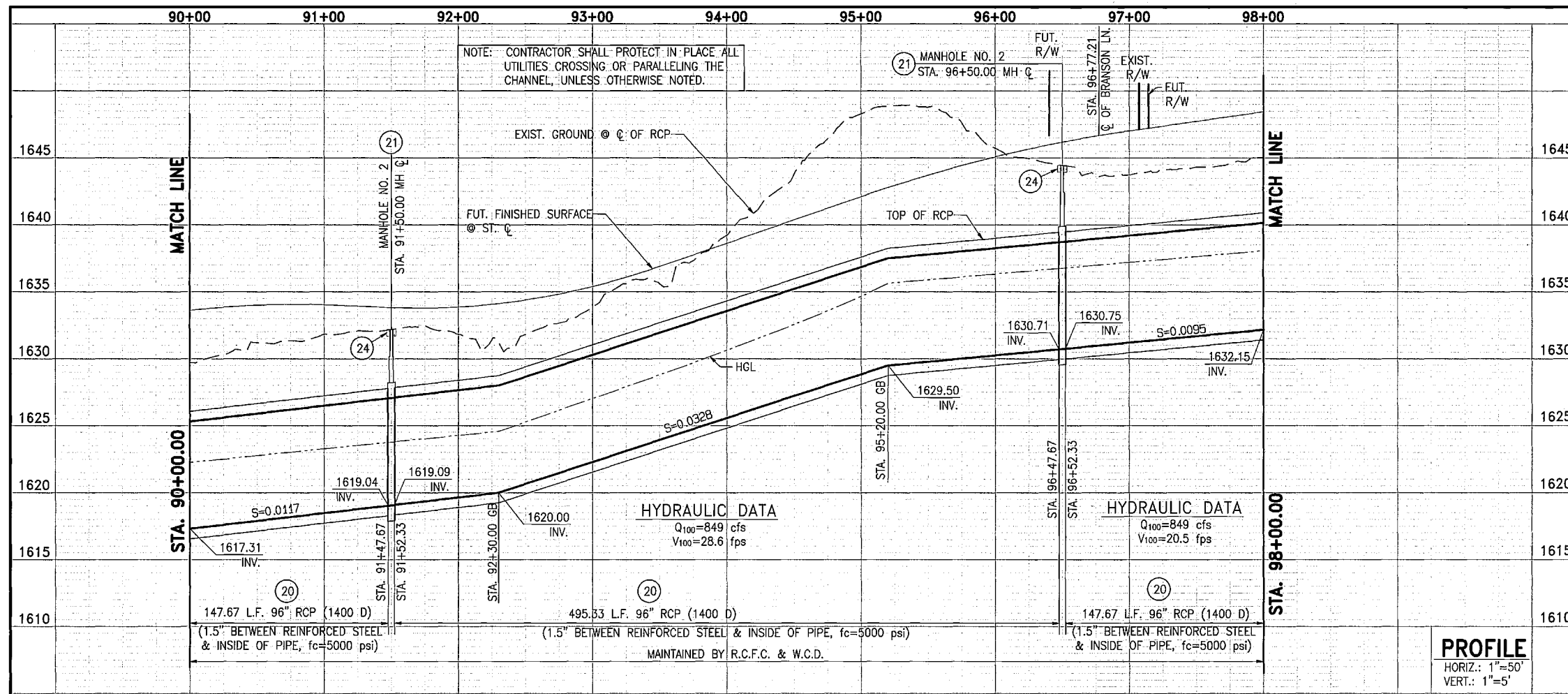
REF.	DESCRIPTION	APPR.	DATE
Δ	ADDED MISC. DETAILS	<i>J.C.C.</i>	7/6/05

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: J.C.C.
 DRAWN BY: R.R.
 DATE DRAWN: 12/3/2007
 CHECKED BY: J.C.C.

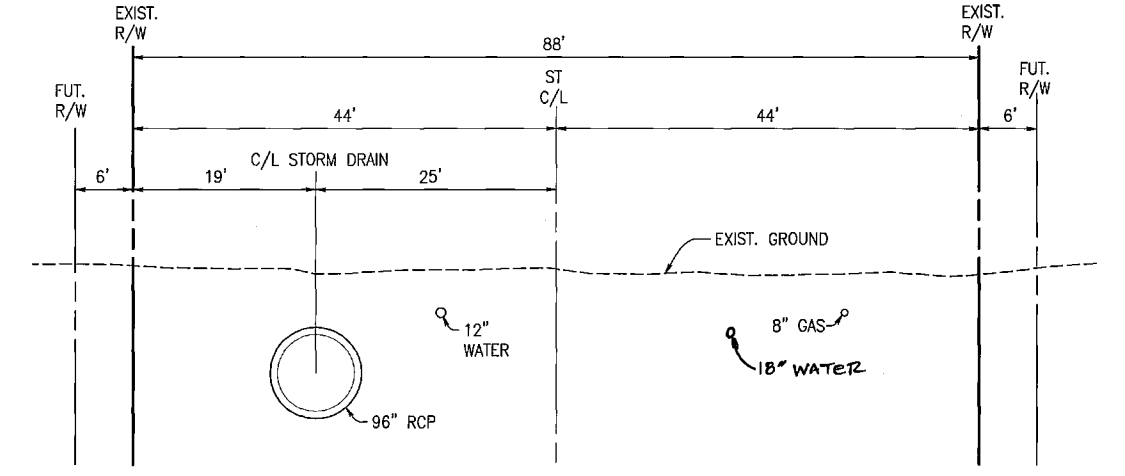
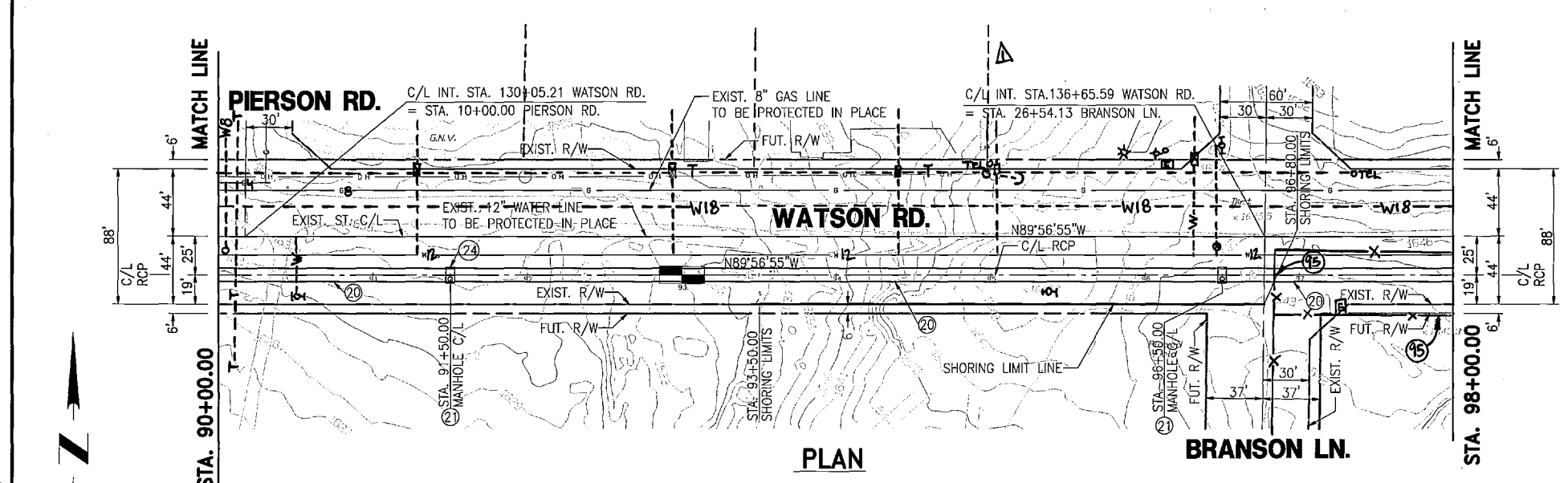
RECOMMENDED FOR APPROVAL BY: *[Signature]*
 APPROVED BY: *[Signature]*
 DATE: 12/21/07

IP050154 MS4051 PROJECT NO. 4-0-00345
HOMELAND MDP
LINE 1, STAGE 1
 STA. 82+00.00 TO STA. 90+00.00
 DRAWING NO. 4-859
 SHEET NO. 11 OF 34



NOTES

- ②0 CONSTRUCT 96" RCP, BEDDING PER RCFCWCD STD. DWG. M815
- ②1 CONSTRUCT MANHOLE NO. 2 PER RCFCWCD STD. DWG. MH252
- ②4 CONSTRUCT 6" THICK CONCRETE PAD (7'x7') W/6"x6"/10x10 W.W.M. AROUND MANHOLE LID
- ①9 REMOVE AND RELOCATE INTERFERING CABLE FENCE TO THE EXISTING R/W PER RCFC STD. M818. SECURE AREA EACH NIGHT. CONTRACTOR SHALL CONTACT RIVERSIDE COUNTY WASTE MANAGEMENT DEPARTMENT PRIOR TO WORKING WITHIN THE FENCE. **A**



GRAPHIC SCALE 1"=50'

ALBERT A. WEBB ASSOCIATES
 3788 McCRAY ST.
 RIVERSIDE, CA. 92508
 PH. (951) 886-1070

PREPARED BY: *[Signature]* DATE: 12-13-07
 R.C.E. NO. C44762 EXP. DATE 3-31-08

SEAL-COUNTY RIVERSIDE COUNTY
TRANSPORTATION DEPARTMENT

APPROVED BY: *[Signature]* DATE: 12/18/07
 RECOMMENDED BY: *[Signature]* DATE: 12-18-07
 ALAN D. FRENCH, P.E.
 R.C.E. 45702 EXP. 12-31-08

Don't Dig...Until You Call U.S.A. Toll Free 1-800-227-2600 for the location of buried utility lines. Don't disrupt vital services. TWO WORKING DAYS BEFORE YOU DIG

PERMANENT BENCH MARK
 B.M. NO. S 327-1935
 3.8 M. NW FROM WINCHESTER
 3.8 M. NW ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT WINCHESTER, RIVERSIDE COUNTY, AT MENEFEE SIDING, 188 YDS. NW OF THE SE SWITCH STAND, 72 FT. E OF MILEPOST 6, 16.5 FT. NE OF THE CENTERLINE OF THE TRACK, AND 4.5 FT. NE OF THE STATION SIGN. A STANDARD DISK, STAMPED R 327 1935 AND SET IN THE TOP OF A CONCRETE POST.
 ELEVATION: 1478.07

REF.	DESCRIPTION	APPR.	DATE
Δ	ADDED MISC. DETAILS.	J.C.C.	7/8/15

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

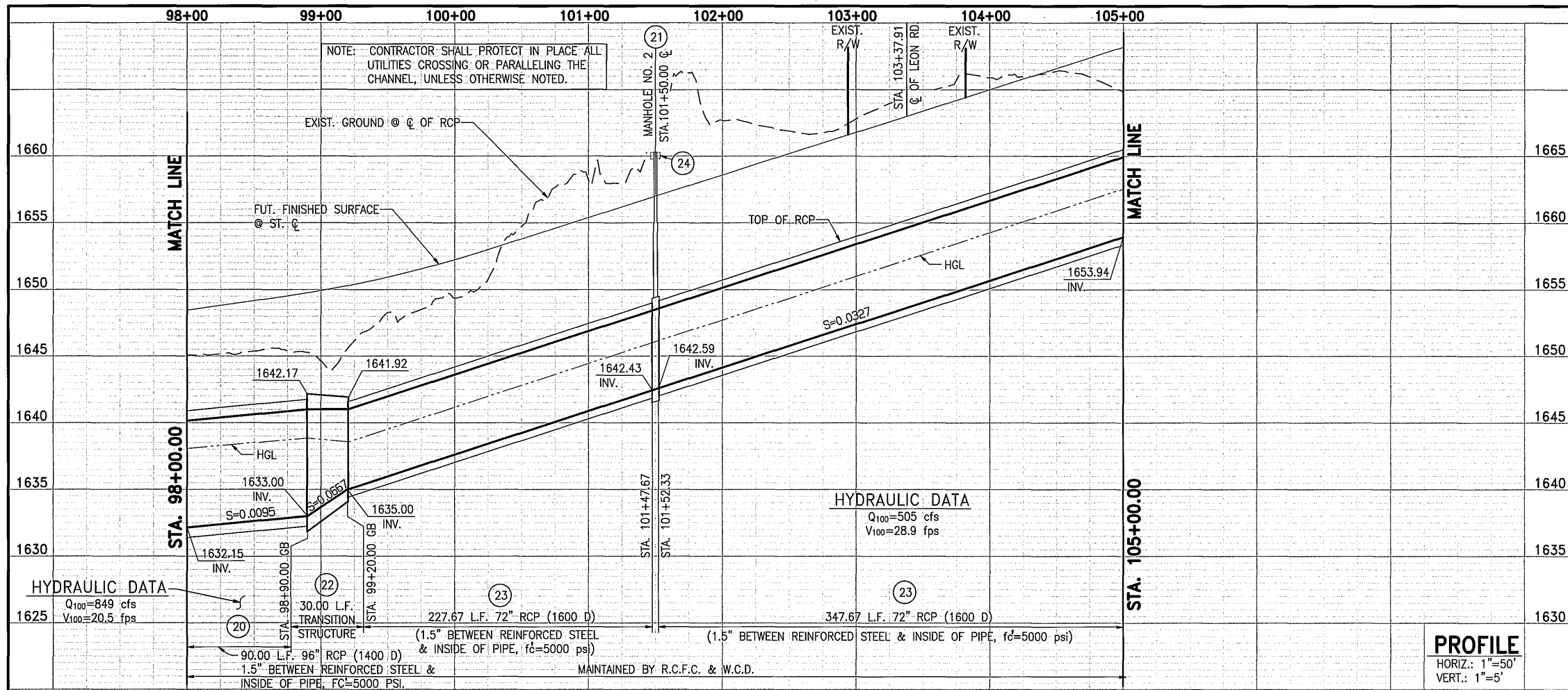
DESIGNED BY: J.C.C.
 DRAWN BY: R.R.
 DATE DRAWN: 12/3/2007
 CHECKED BY: J.C.C.

RECOMMENDED FOR APPROVAL BY: *[Signature]* DATE: 12/6/07
 APPROVED BY: *[Signature]* DATE: 12-21-2007

IP050154, MS4051
HOMELAND MDP
LINE 1, STAGE 1
 STA. 90+00.00 TO STA. 98+00.00

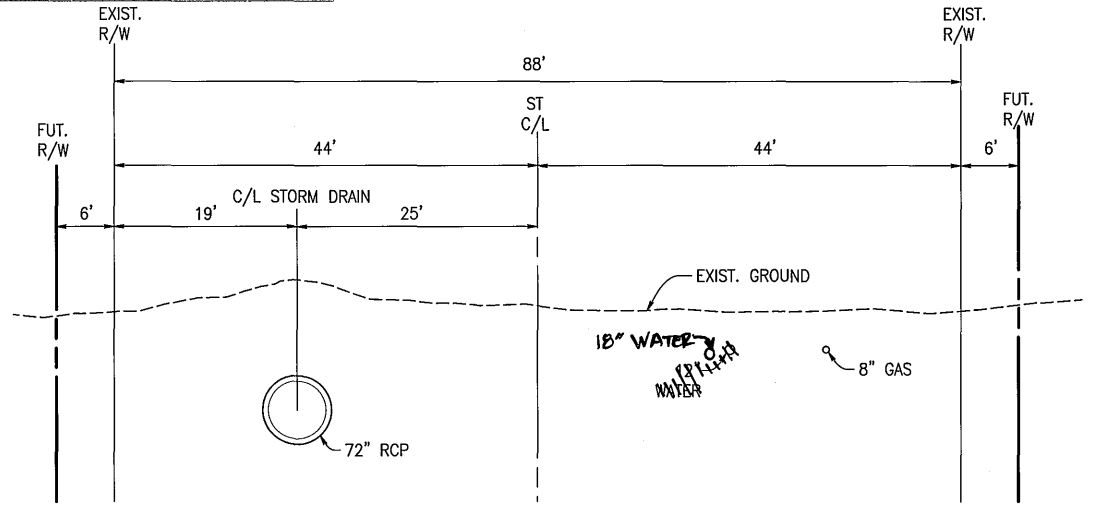
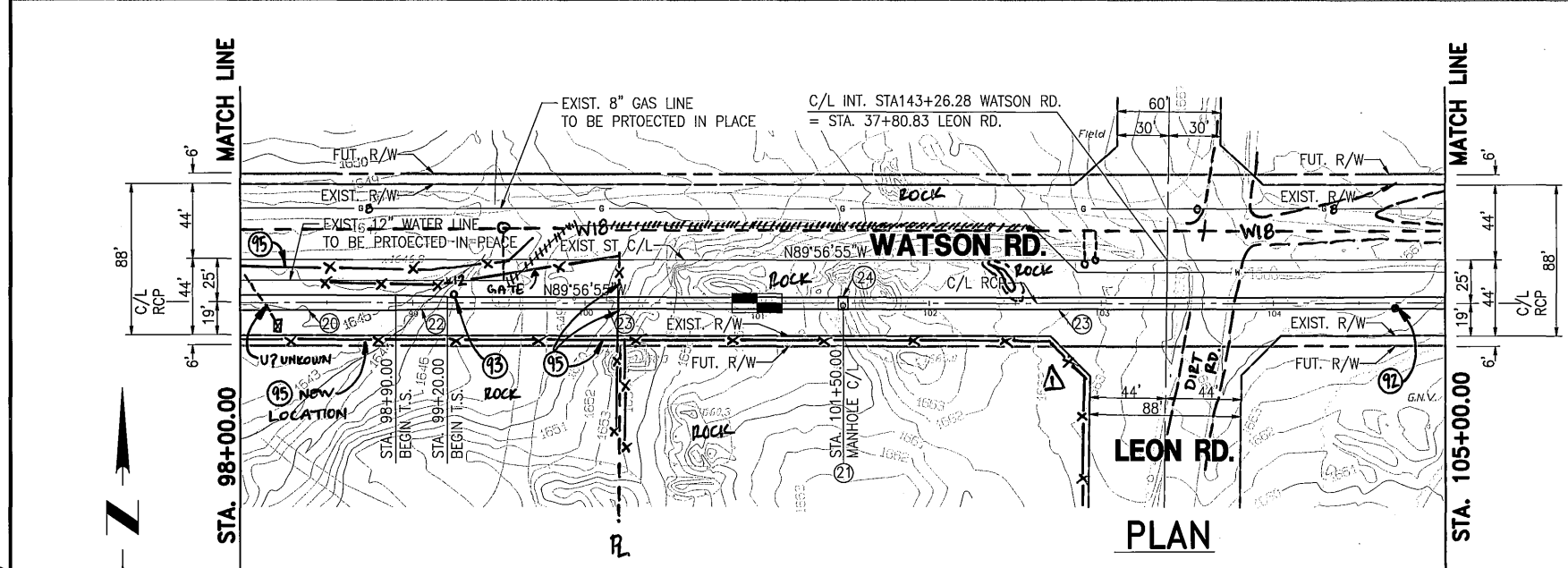
PROJECT NO. 4-0-00345
 DRAWING NO. 4-859
 SHEET NO. 12 OF 34

G:\2003\03-0338\DWG&PLOT\033386.dwg-1.pnt 12/3/2007

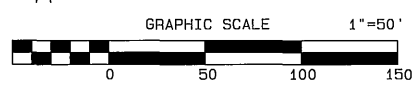
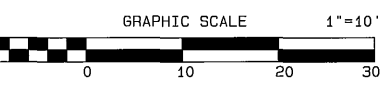


NOTES

- 20 CONSTRUCT 96" RCP, BEDDING PER RCFCWCD STD. DWG. MB15
- 21 CONSTRUCT MANHOLE NO. 2 PER RCFCWCD STD. DWG. MH252
- 22 CONSTRUCT RCP TO RCP TRANSITION STRUCTURE PER RCFCWCD STD. DWG. TS303
- 23 CONSTRUCT 72" RCP, BEDDING PER RCFCWCD STD. DWG. MB15
- 24 CONSTRUCT 6" THICK CONCRETE PAD (7'x7') W/6"x6"/10x10 W.W.M. AROUND MANHOLE LID
- 45 REMOVE AND RELOCATE INTERFERING CABLE FENCE PER RCFC STD. MB15 TO THE EXISTING R/W. SECURE AREA EACH NIGHT. CONTRACTOR SHALL CONTACT RIVERSIDE COUNTY WASTE MANAGEMENT PRIOR TO WORKING WITHIN THE FENCE. REMOVE, SALVAGE AND RELOCATE THE PIPE SWING GATE. INSTALL PER RCFC STD. MB20.
- 43 RELOCATE INTERFERING UTILITY. COORDINATE WITH EMWD.
- 42 REMOVE, SALVAGE AND REINSTALL SIGN.



SECTION AT STA. 101+00.00
TYPICAL FROM STA. 99+20.00 TO STA. 105+00.00



SEAL-COUNTY
RIVERSIDE COUNTY
TRANSPORTATION DEPARTMENT
APPROVED BY: *[Signature]* 12/18/07
RECOMMENDED BY: *[Signature]* 12-18-07
ALAN D. FRENCH, P.E. DATE
R.C.E. 45702 EXP. 12-31-08

ALBERT A. WEBB ASSOCIATES
3788 McCRAY ST.
RIVERSIDE, CA. 92506
PH. (951) 686-1070
PREPARED BY: *[Signature]* DATE: 12-13-07
R.C.E. NO. C44762 EXP. DATE 3-31-08

Don't Dig...Until You Call U.S.A. Toll Free 1-800-227-2600 for the location of buried utility lines. Don't disrupt vital services. TWO WORKING DAYS BEFORE YOU DIG

PERMANENT BENCH MARK
B.M. NO. S 327-1935
3.9 MI. NW FROM WINCHESTER
3.9 MI. NW ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT WINCHESTER, RIVERSIDE COUNTY, AT MENEFEE SIDING, 198 YRDS. NW OF THE SE SWITCH STAND, 72 FT. E OF MILEPOST 8, AND 4.5 FT. NE OF THE CENTERLINE OF THE TRACK, A STANDARD DISK, STAMPED R 327 1935 AND SET IN THE TOP OF A CONCRETE POST.
ELEVATION: 1478.07

REF.	DESCRIPTION	APPR.	DATE
1	ADDED MISC. DETAILS	J.C.C.	12/15/07

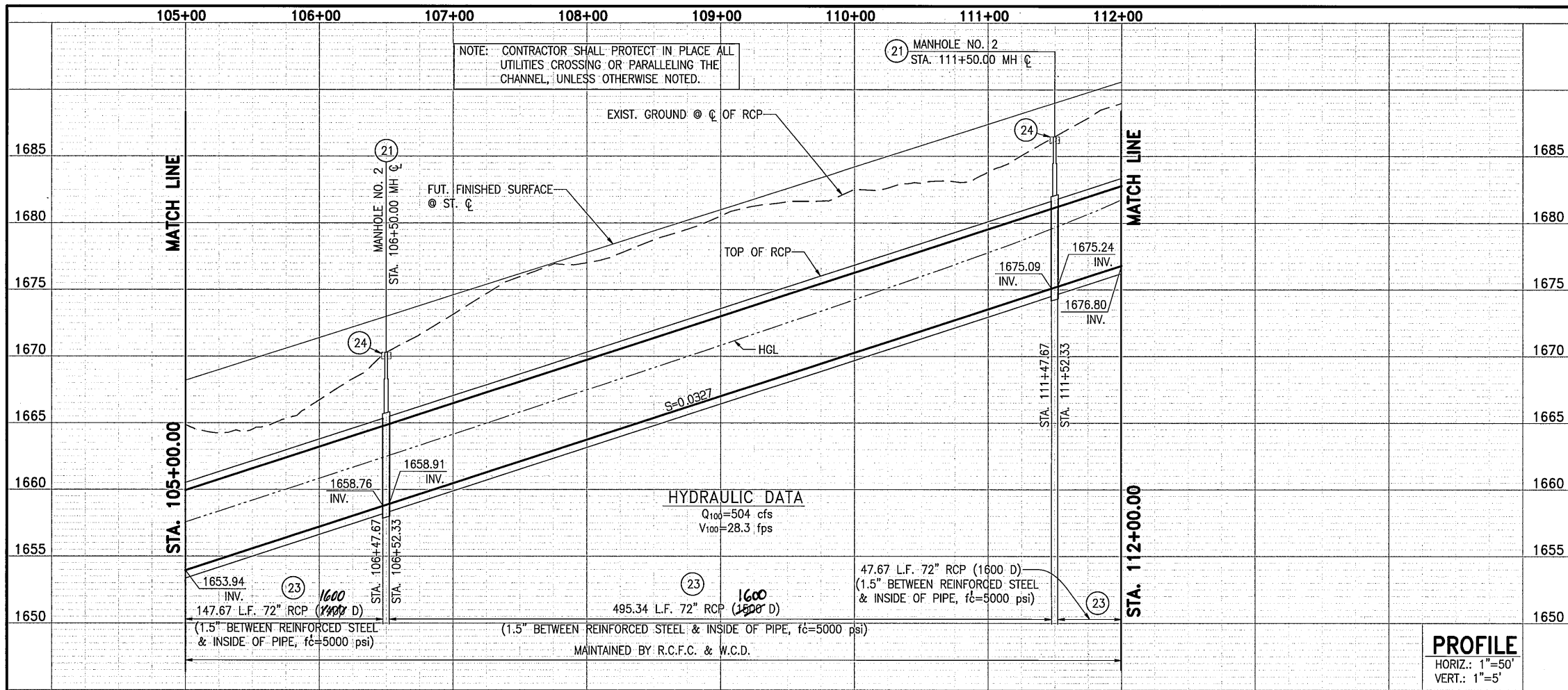
DESIGNED BY: J.C.C.
DRAWN BY: R.R.
DATE DRAWN: 12/3/2007
CHECKED BY: J.C.C.

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY: *[Signature]*
APPROVED BY: *[Signature]*
DATE: 12/21/07

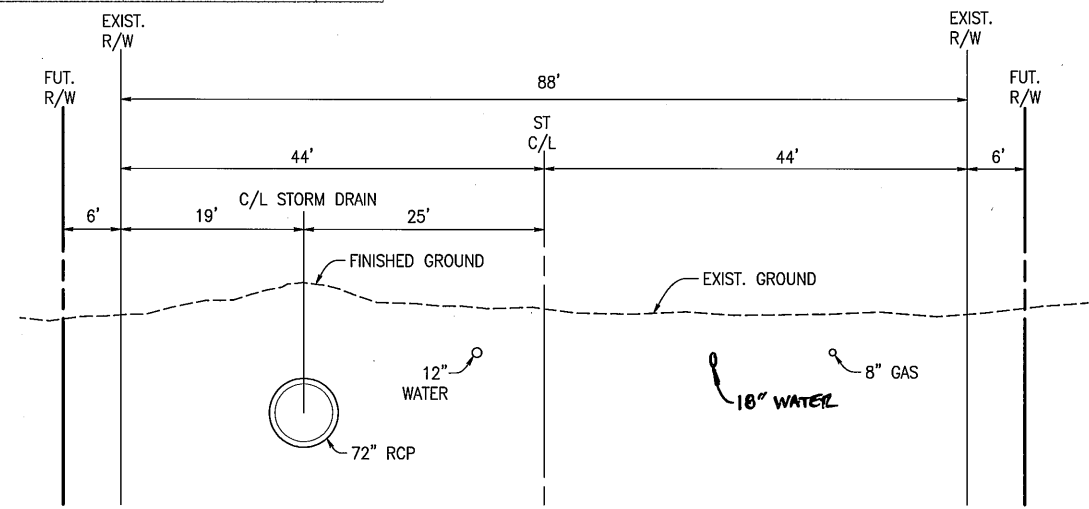
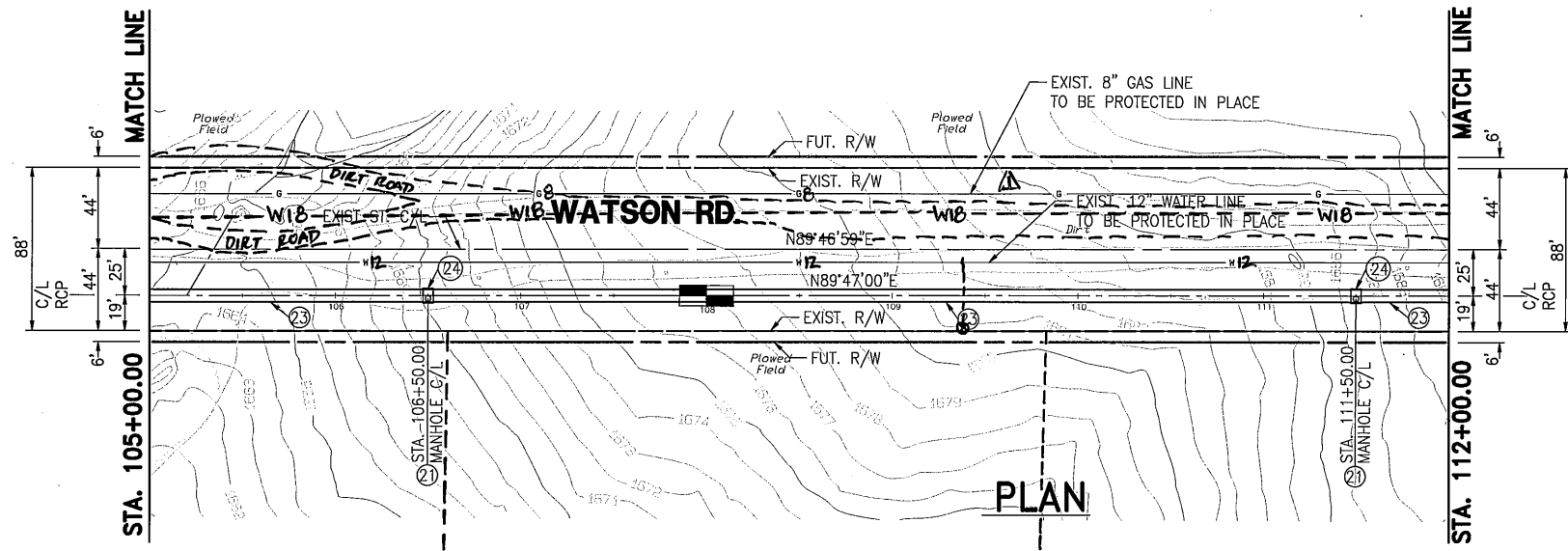
IP050154
HOMELAND MDP
LINE 1, STAGE 1
STA. 98+00.00 TO STA. 105+00.00

PROJECT NO. 4-0-00345
DRAWING NO. 4-859
SHEET NO. 13 OF 34

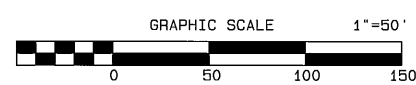
G:\2003\03-0338\DWG&PRO\0338line-1.prd12/21/2007



- NOTES**
- ②1 CONSTRUCT MANHOLE NO. 2 PER RCFCWCD STD. DWG. MH252
 - ②3 CONSTRUCT 72" RCP, BEDDING PER RCFCWCD STD. DWG. MB15
 - ②4 CONSTRUCT 6" THICK CONCRETE PAD (7'x7') W/6"x6"/10x10 W.W.M. AROUND MANHOLE LID



SECTION AT STA. 108+00.00
 TYPICAL FROM STA. 105+00.00 TO STA. 112+00.00
 GRAPHIC SCALE 1"=10'



SEAL-COUNTY
 RIVERSIDE COUNTY
TRANSPORTATION DEPARTMENT
 APPROVED BY:
 [Signature] 12/18/07
 RECOMMENDED BY:
 Alan French 12-18-07
 ALAN D. FRENCH, P.E. DATE
 R.C.E. 45702 EXP. 12-31-08

ALBERT A. WEBB ASSOCIATES
 3788 McCRAY ST.
 RIVERSIDE, CA. 92506
 PH. (951) 886-1070
 PREPARED BY: [Signature] DATE: 12-13-07
 R.C.E. NO. C44762 EXP. DATE 3-31-08

Don't Dig...Until You Call U.S.A. Toll Free 1-800-227-2600 for the location of buried utility lines. Don't disrupt vital services. TWO WORKING DAYS BEFORE YOU DIG

PERMANENT BENCHMARK
 B.M. NO. S 327-1935
 3.9 MI. NW FROM WINCHESTER
 3.9 MI. NW ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT WINCHESTER, RIVERSIDE COUNTY, AT MENEFEE SIDING, 198 YRDS. NW OF THE SE SWITCH STAND, 72 FT. E OF MILEPOST 6, 16.5 FT. NE OF THE CENTERLINE OF THE TRACK, AND 4.5 FT. NE OF THE STATION SIGN. A STANDARD DISK, STAMPED R 327 1935 AND SET IN THE TOP OF A CONCRETE POST.
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REF.	DESCRIPTION	APPR.	DATE
Δ	ADDED MISC. DETAILS	JAC	7/8/15

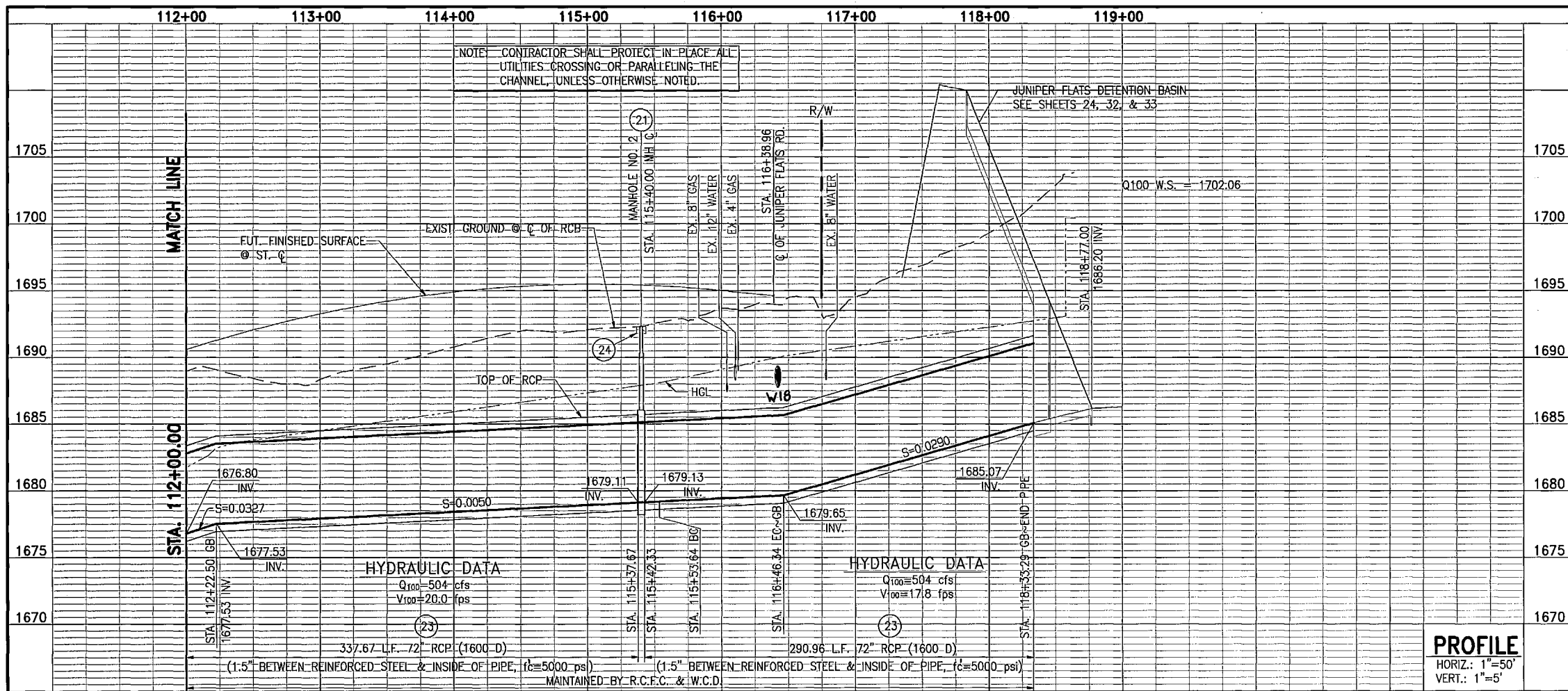
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
 DESIGNED BY: J.C.C.
 DRAWN BY: R.R.
 DATE DRAWN: 12/3/2007
 CHECKED BY: J.C.C.

RECOMMENDED FOR APPROVAL BY: [Signature]
 DATE: 12/6/07

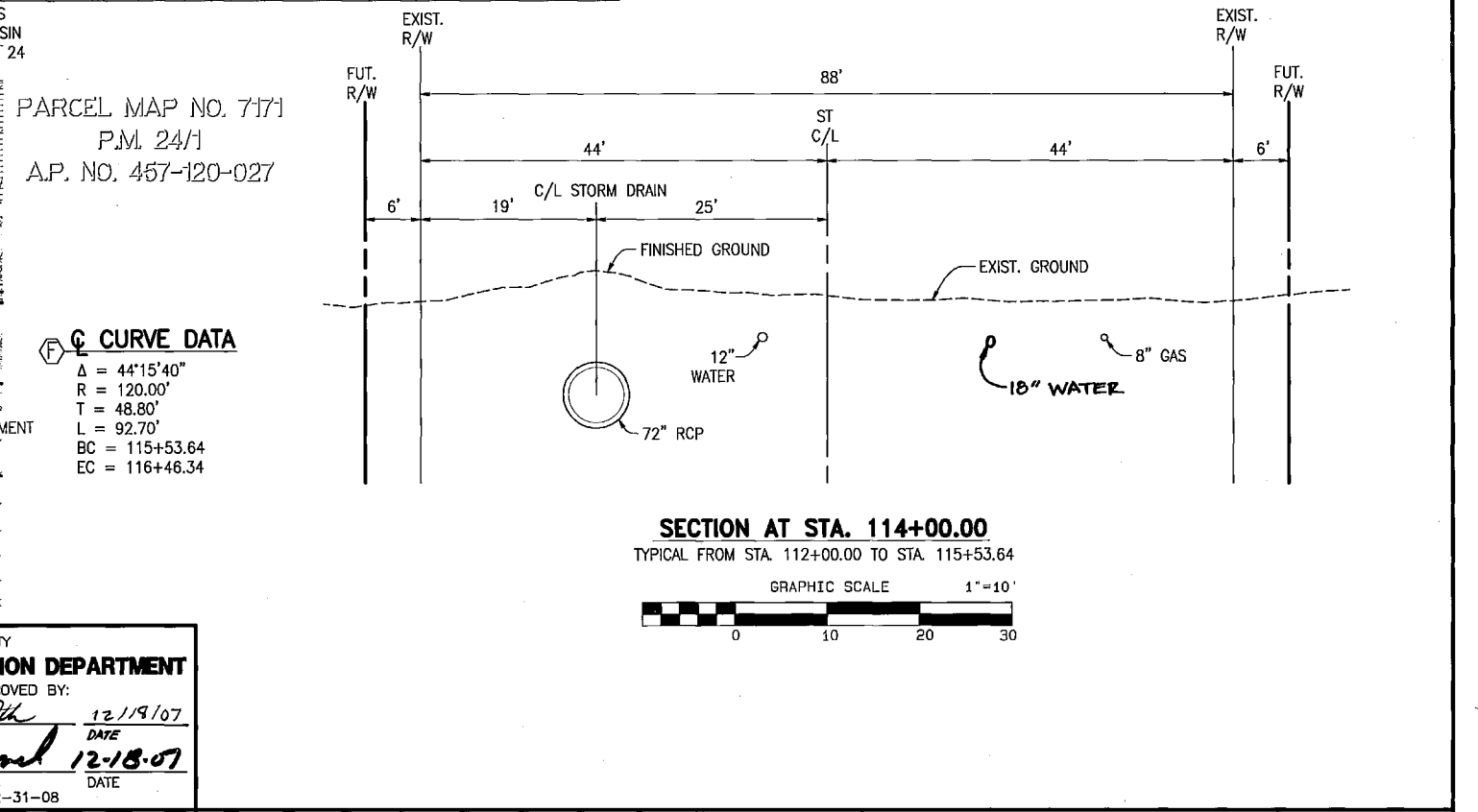
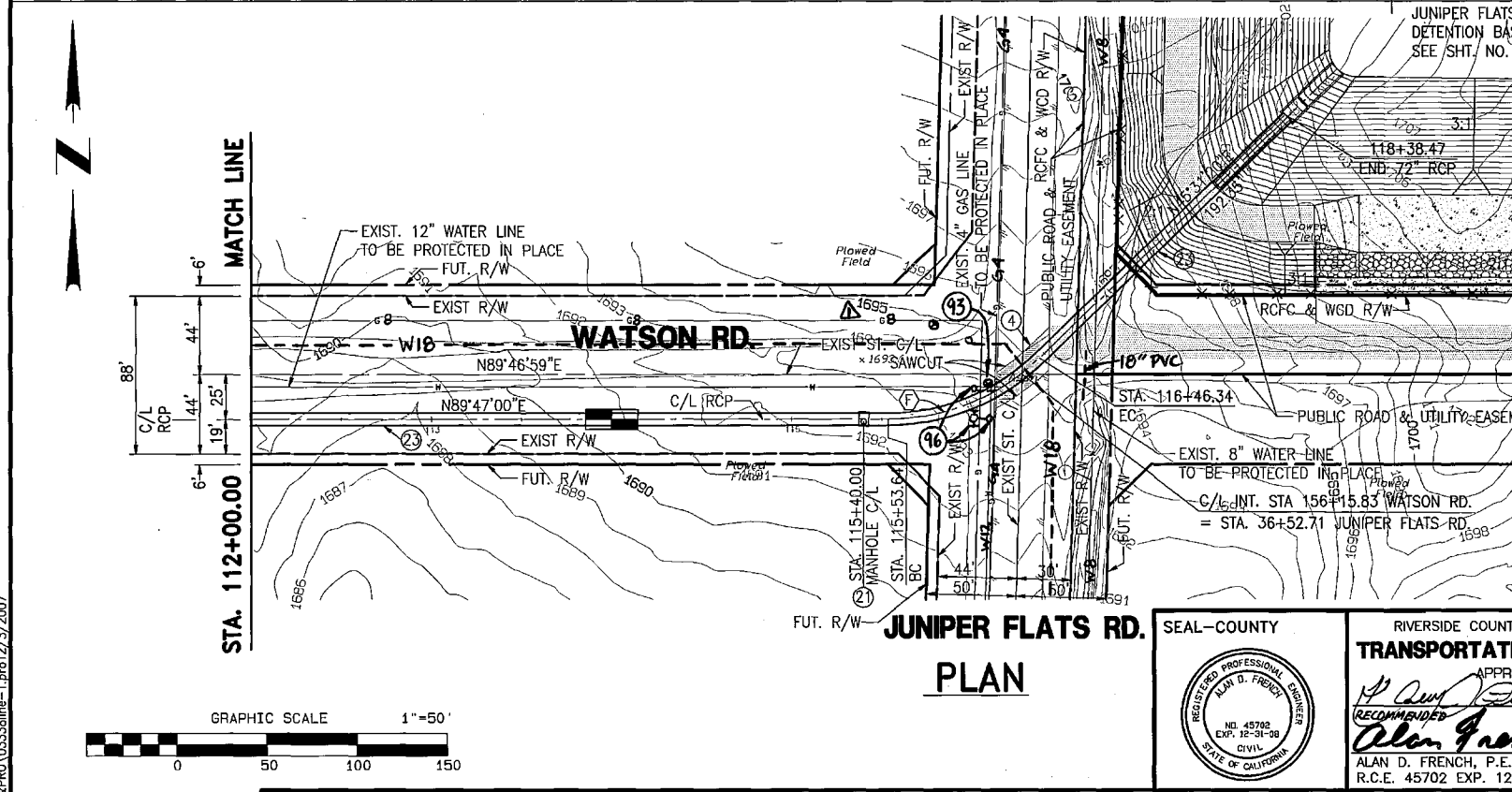
APPROVED BY: [Signature]
 DATE: 12-21-2007

IP050154
HOMELAND MDP
LINE 1, STAGE 1
 STA. 105+00.00 TO STA. 112+00.00

MS4051
 PROJECT NO. 4-0-00345
 DRAWING NO. 4-859
 SHEET NO. 14 OF 34



- NOTES**
- ④ SAWCUT, REMOVE AND REPLACE EXISTING PAVEMENT ~~IN PLACE~~. SEE TYP. DETAIL ON SHIT 34.
 - ②1 CONSTRUCT MANHOLE NO. 2 PER RCFCWCD STD. DWG. MH252
 - ②3 CONSTRUCT 72" RCP, BEDDING PER RCFCWCD STD. DWG. M815
 - ②4 CONSTRUCT 6" THICK CONCRETE PAD (7'x7') W/6"x6"/10x10 W.W.M. AROUND MANHOLE LID
 - ④5 INTERFERING UTILITY TO BE RELOCATED. COORDINATE WITH EMWD.
 - ④6 PROTECT IN PLACE. ⚠



ALBERT A. WEBB ASSOCIATES
 3788 McCRAY ST. RIVERSIDE, CA. 92506
 PH. (951) 686-1070
 PREPARED BY: [Signature] DATE: 12-13-07
 R.C.E. NO. C44762 EXP. DATE 3-31-08

Don't Dig...Until You Call U.S.A. Toll Free 1-800-227-2600 for the location of buried utility lines. Don't disrupt vital services. TWO WORKING DAYS BEFORE YOU DIG

PERMANENT BENCH MARK B.M. NO. S 327-1935 3.9 MI. NW FROM WINCHESTER 2.9 MI. NW ALONG THE RICHMOND/TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT WINCHESTER, RIVERSIDE COUNTY, AT MENEFEE SIDING, 188 YARDS. NW OF THE SE SWITCH STAND, 72 FT. E OF MILEPOST 6, 16.5 FT. NE OF THE CENTERLINE OF THE TRACK, AND 4.5 FT. NE OF THE STATION SIGN. A STANDARD DISK, STAMPED R 327 1935 AND SET IN THE TOP OF A CONCRETE POST. ELEVATION: 1478.07

SEAL-COUNTY RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT
 APPROVED BY: [Signature] DATE 12/19/07
 RECOMMENDED BY: [Signature] DATE 12-18-07
 ALAN D. FRENCH, P.E. R.C.E. 45702 EXP. 12-31-08

REF.	DESCRIPTION	APPR.	DATE
1	ADDED MISC. DETAILS	JNO	7/1/15

DESIGNED BY: J.C.C.	RECOMMENDED FOR APPROVAL BY: [Signature]
DRAWN BY: R.R.	APPROVED BY: [Signature]
DATE DRAWN: 12/3/2007	DATE: 12/21/2007
CHECKED BY: J.C.C.	

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
 PROJECT NO. IP050154 MS4051
HOMELAND MDP
LINE 1, STAGE 1
 STA. 112+00.00 TO STA. 118+57.47

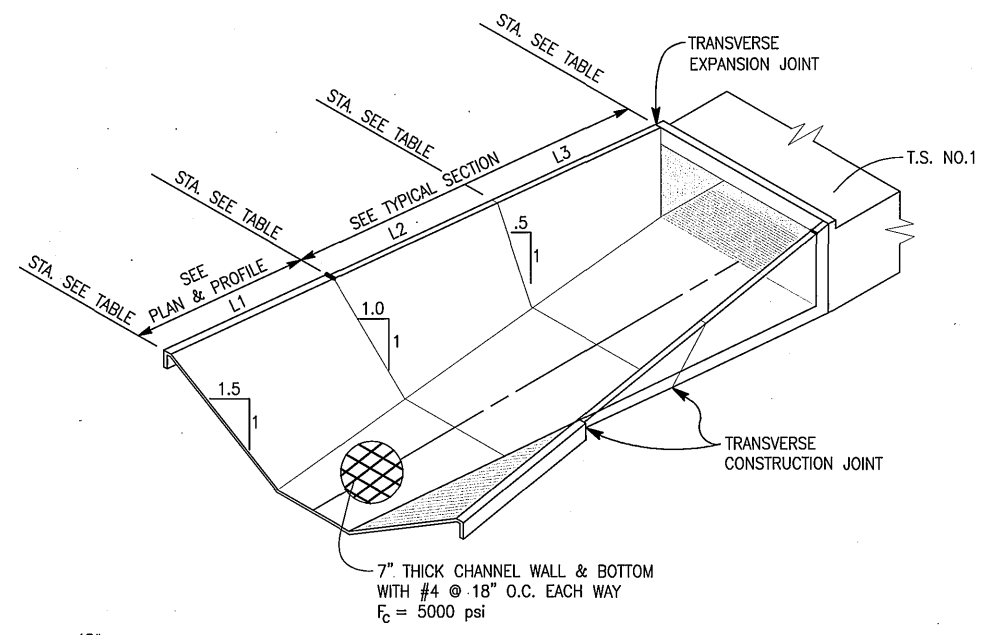
PROJECT NO. 4-0-00345
 DRAWING NO. 4-859
 SHEET NO. 15 OF 34

G:\2003\03-0338\DWG&PRO\03338line-1.dwg 12/3/2007

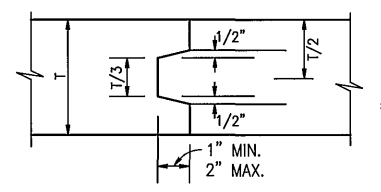
DATA	BRIGGS ROAD				"A" STREET DOWNSTREAM				"A" STREET UPSTREAM				SULTANAS ROAD CROSSING				
	STATION TO STATION		STATION TO STATION		STATION TO STATION		STATION TO STATION		STATION TO STATION		STATION TO STATION		STATION TO STATION		STATION TO STATION		
X	6.00'	5.00'	5.00'	4.00'	4.00'	5.00'	5.00'	6.00'	6.00'	5.00'	5.00'	4.00'	4.00'	5.00'	6.00'		
Y	6.00'	8.84'	8.84'	10.84'	11.24'	9.24'	9.24'	6.00'	6.00'	9.24'	11.24'	10.74'	8.74'	8.74'	6.00'		
HEIGHT (H)	8.53'	7.69'	7.69'	6.84'	7.24'	8.48'	8.48'	9.71'	9.71'	8.48'	7.24'	6.74'	7.48'	7.48'	8.22'		
WALLS T ₁ INCHES	10.00"		10.00"		10.00"		10.00"		10.00"		10.00"		10.00"		10.00"		
BOTTOM SLAB T ₂	10.00"		10.00"		10.00"		10.00"		10.00"		10.00"		10.00"		10.00"		
A BARS	#4 BAR @18" O.C.		#4 BAR @18" O.C.		#4 BAR @12" O.C.		#4 BAR @12" O.C.		#4 BAR @12" O.C.		#4 BAR @12" O.C.		#4 BAR @ 18" O.C.		#4 BAR @ 18" O.C.		
HORIZ. LENGTH	6.10'	6.10'	6.10'	6.10'	3.67'	3.67'	3.67'	3.67'	3.67'	3.67'	3.67'	3.67'	3.67'	6.10'	6.10'	6.10'	6.10'
SLOPE LENGTH	8.95'	9.06'	9.06'	10.26'	10.83'	9.95'	9.95'	10.83'	10.13'	9.95'	9.95'	10.83'	10.12'	8.83'	8.83'	8.64'	8.64'
B BARS	#4 BAR @18" O.C.		#4 BAR @ 18" O.C.		#6 BAR @12" O.C.		#6 BAR @12" O.C.		#6 BAR @ 12" O.C.		#6 BAR @ 12" O.C.		#4 BAR @ 18" O.C.		#4 BAR @ 18" O.C.		
HORIZ. LENGTH	7.60'	6.60'	6.60'	5.60'	6.07'	7.07'	7.07'	8.07'	8.07'	7.07'	6.07'	5.60'	6.60'	6.60'	6.60'	7.60'	7.60'
SLOPE LENGTH	6.30'	7.04'	7.04'	8.91'	9.31'	7.36'	7.36'	6.58'	6.58'	7.36'	9.31'	8.91'	7.04'	7.04'	6.30'	6.30'	6.30'
C BARS	#4 BAR @ 18" O.C.		#4 BAR @ 18" O.C.		#4 BAR @12" O.C.		#5 BAR @ 12" O.C.		#4 BAR @ 12" O.C.		#4 BAR @ 12" O.C.		#4 BAR @ 18" O.C.		#4 BAR @ 18" O.C.		
SLOPE LENGTH	8.95'	9.06'	9.06'	10.26'	10.83'	9.95'	9.95'	10.13'	10.13'	9.95'	9.95'	10.83'	10.12'	8.83'	8.83'	8.64'	8.64'
D BARS	#5 BAR @ 18" O.C.		#5 BAR @ 18" O.C.		#5 BAR @12" O.C.		#5 BAR @ 12" O.C.		#5 BAR @ 12" O.C.		#5 BAR @ 12" O.C.		#5 BAR @ 18" O.C.		#5 BAR @ 18" O.C.		
HORIZ. LENGTH	7.84'	6.84'	6.84'	5.84'	5.84'	6.84'	6.84'	7.84'	7.84'	6.84'	6.84'	5.84'	6.84'	6.84'	6.84'	7.84'	7.84'
CONCRETE C.Y./L.F.	0.90±	0.90±	0.90±	0.90±	0.90±	0.90±	0.90±	1.00±	1.00±	0.90±	0.90±	0.90±	0.90±	0.90±	0.90±	0.90±	0.90±
STEEL LBS./L.F.	139±	139±	139±	151±	151±	146±	151±	150±	146±	146±	151±	150±	139±	139±	139±	138±	138±

SPLICES			
BAR	LENGTH	SEC.	REMARKS
B	22.5"	L1 & L2	BRIGGS AND SULTANAS TRANSITIONS
D	28.5"	L1 & L2	BRIGGS AND SULTANAS TRANSITIONS
B	28.5"	L1 & L2	EMPEROR TRANSITIONS
D	28.5"	L1 & L2	EMPEROR TRANSITIONS

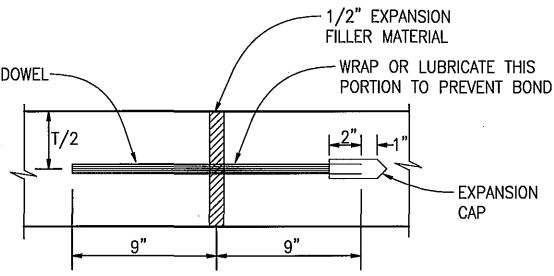
DESIGN DATA
 LIVE LOAD = 16000 LBS (TRUCK AXLE)
 SOIL DENSITY = 120 PCF
 ALLOWABLE STRESSES:
 $f_c = 5000$ PSI
 $f_c = 1800$ PSI
 $f_y = 60,000$ PSI
 $f_s = 24,000$ PSI



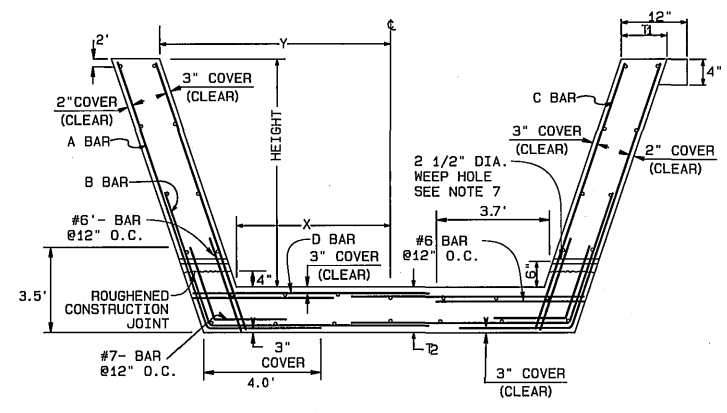
- NOTES**
- STRUCTURAL CONCRETE SHALL BE CLASS "A".
 - ALL LONGITUDINAL BARS SHALL BE #4 @ 18 INCHES. PLACE BARS IN BOTTOM SLAB SYMMETRICALLY ABOUT CENTERLINE. PLACE BARS IN WALLS STARTING AT TOP WITH 3 INCHES CLEAR COVER.
 - CLEAR COVER FOR STEEL SHALL BE 3 INCHES EACH FACE FOR WALLS AND 3 INCHES EACH FACE FOR BOTTOM SLAB.
 - STEEL IS DIMENSIONED TO BACK OF BAR BEND.
 - FOR CONSTRUCTION ON CURVES, STRAIGHT TRANSVERSE BARS IN THE SLAB SHALL BE ALIGNED RADIALLY WITH SPACING MEASURED AT WALLS. FOR L-BARS IN WALLS, SPACING SHALL BE MEASURED BETWEEN VERTICAL LEGS OF BARS.
 - ALL TRANSVERSE CONSTRUCTION JOINTS SHALL BE IN A VERTICAL PLANE NORMAL TO THE CENTERLINE. CONTINUOUS KEYWAYS SHALL BE CONSTRUCTED AS SHOWN IN DETAIL A. A COMPLETE CURTAIN OF TRANSVERSE STEEL SHALL BE PLACED 3 INCHES FROM EACH FACE OF THE JOINTS AND LONGITUDINAL STEEL WILL NOT BE CONTINUOUS THROUGH THE JOINTS. AN EXPANSION JOINT SHALL BE CONSTRUCTED BETWEEN THE REINFORCED CONCRETE TRANSITION AND REINFORCED CONCRETE BOX SECTIONS AS SHOWN DETAIL B. DOWELS SHALL BE PLACED AT 18 INCH SPACING CENTERED IN THE MIDDLE OF THE BOTTOM SLAB AND THE TOP THIRD OF SIDE WALLS. A MINIMUM OF 3 DOWELS PER SLAB AND WALLS SHALL BE PLACED.
 - WEEPHOLES SHALL BE FORMED IN BOTH WALLS PER STD. CH326 AT A SPACING OF 10 FEET.
 - ALL QUANTITIES SHOWN ARE APPROXIMATE.
 - ALL SPLICES ARE SUBJECT TO APPROVAL BY THE ENGINEER.
 - SECTION L1 PAY LIMIT PER STANDARD CH326.
 - T₁ SHOULD BE 12" OR LESS. IF T₁ IS LESS THAN 12", WIDEN TOP TO 12" AS SHOWN.



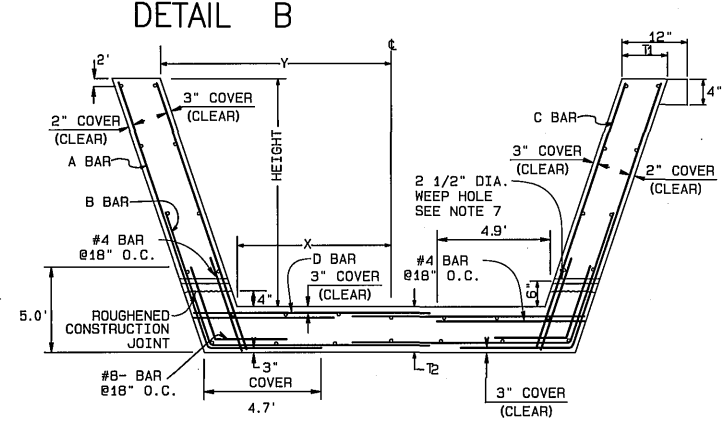
**TRANSVERSE CONSTRUCTION JOINT
DETAIL A**



**TRANSVERSE EXPANSION JOINT
DETAIL B**



**TYPICAL SECTION
EMPEROR ROAD
N.T.S.**



**TYPICAL SECTION
BRIGGS ROAD & SULTANAS ROAD
N.T.S.**



ALBERT A. WEBB
 3788 McCRAY ST.
 RIVERSIDE, CA. 92506
 PH (951) 686-1070
 PREPARED BY: [Signature] DATE: 12-13-07
 R.C.E. NO. C44762 EXP. DATE 3-31-08

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 1-800-227-2600
 for the location of buried utility lines.
 Don't disrupt vital services.
 TWO WORKING DAYS BEFORE YOU DIG

PERMANENT BENCH MARK
 B.M. NO. S 327-1935
 3.9 MI. NW FROM WINCHESTER
 AND SANTA FE RAILWAY FROM THE STATION
 AT WINCHESTER, RIVERSIDE COUNTY, AT
 MENEFEE SIDING, 198 YRDS. NW OF THE
 SE SWITCH STAND, 72 FT. E. OF MILEPOST 6
 AND 4.5 FT. NE OF THE CENTERLINE OF THE TRACK,
 A STANDARD DISK, STAMPED R 327 1935 AND
 SET IN THE TOP OF A CONCRETE POST.
 ELEVATION: 1478.07

REF.	DESCRIPTION	APPR.	DATE

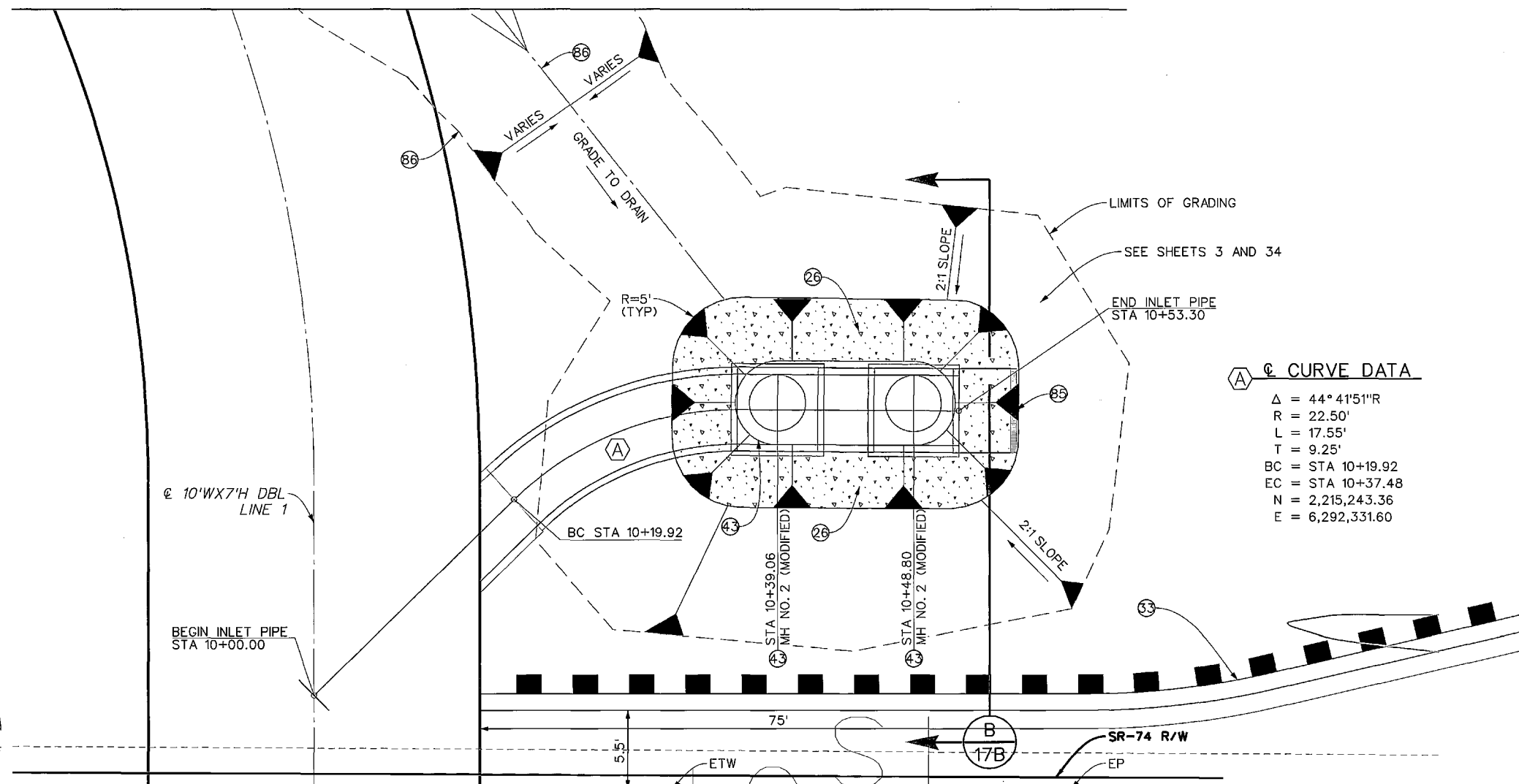
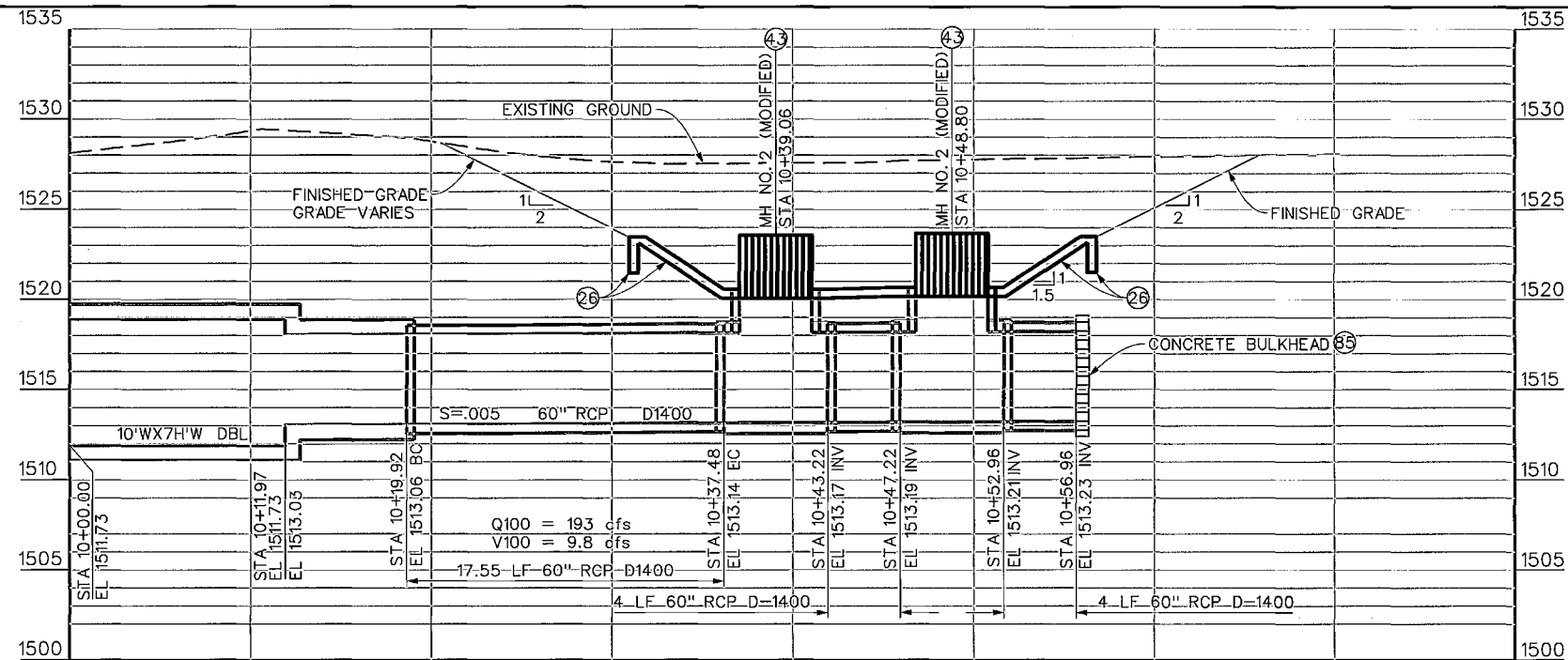
DESIGNED BY:
 DRAWN BY:
 DATE DRAWN: 12/3/2007
 CHECKED BY:

RIVERSIDE COUNTY FLOOD CONTROL
 AND
 WATER CONSERVATION DISTRICT
 RECOMMENDED FOR APPROVAL BY: [Signature]
 APPROVED BY: [Signature]
 DATE: 12/21/07

HOMELAND MDP
LINE 1, STAGE 1
 TRANSITION DETAILS

PROJECT NO.
 4-0-00345
 DRAWING NO.
 4-859
 SHEET NO.
 16 OF 34

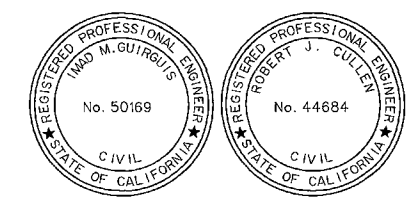
6/2003/03-0339/UNSPRND/0339/11#-1/10/12/3/2007



△ CURVE DATA

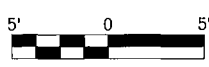
Δ	= 44° 41' 51" R
R	= 22.50'
L	= 17.55'
T	= 9.25'
BC	= STA 10+19.92
EC	= STA 10+37.48
N	= 2,215,243.36
E	= 6,292,331.60

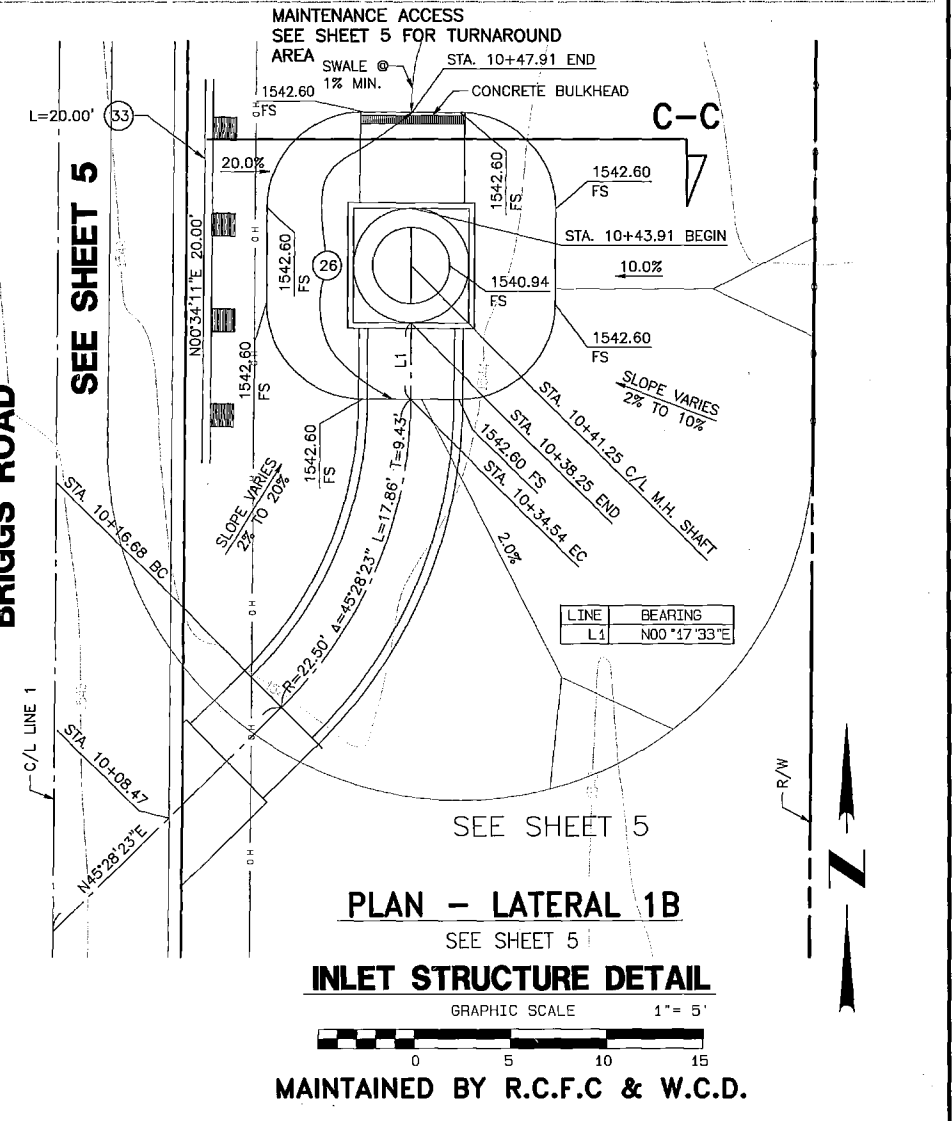
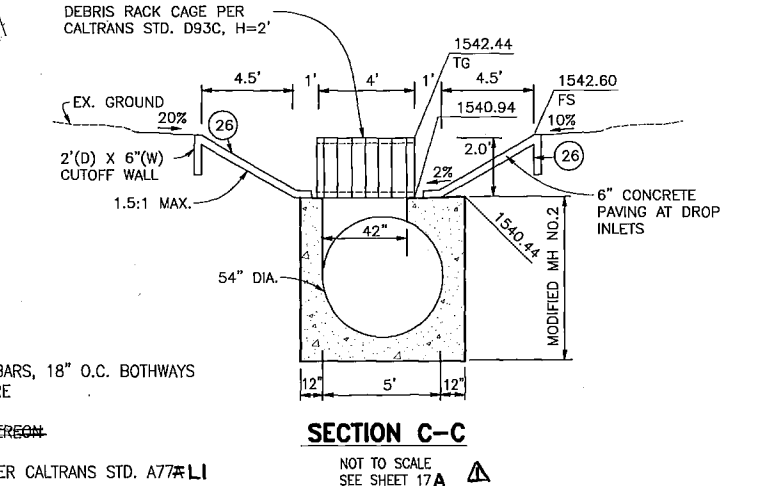
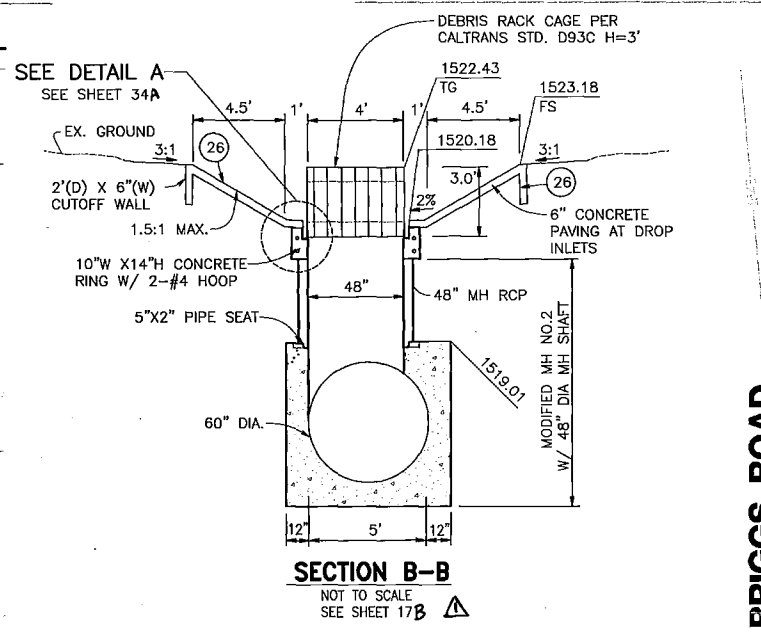
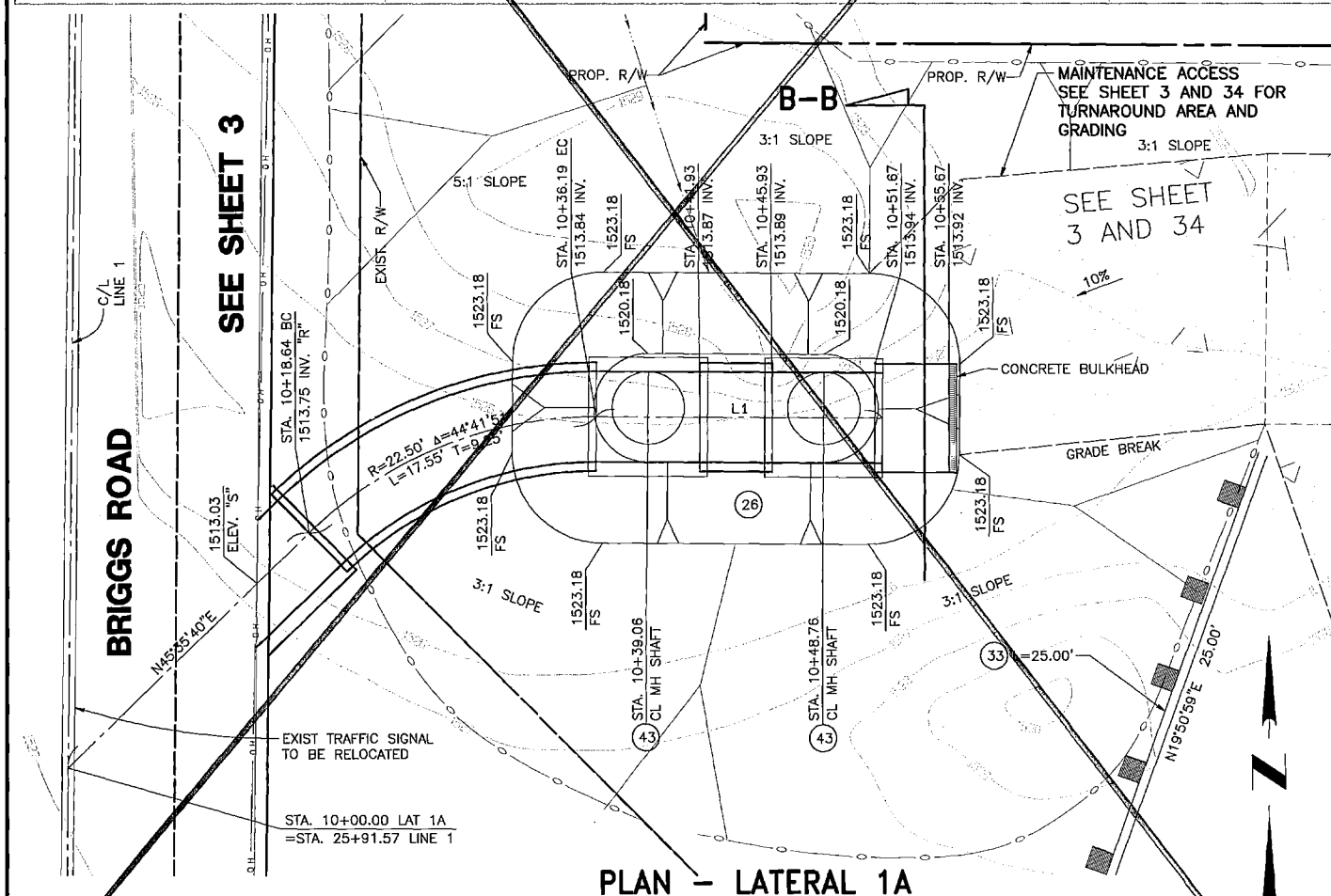
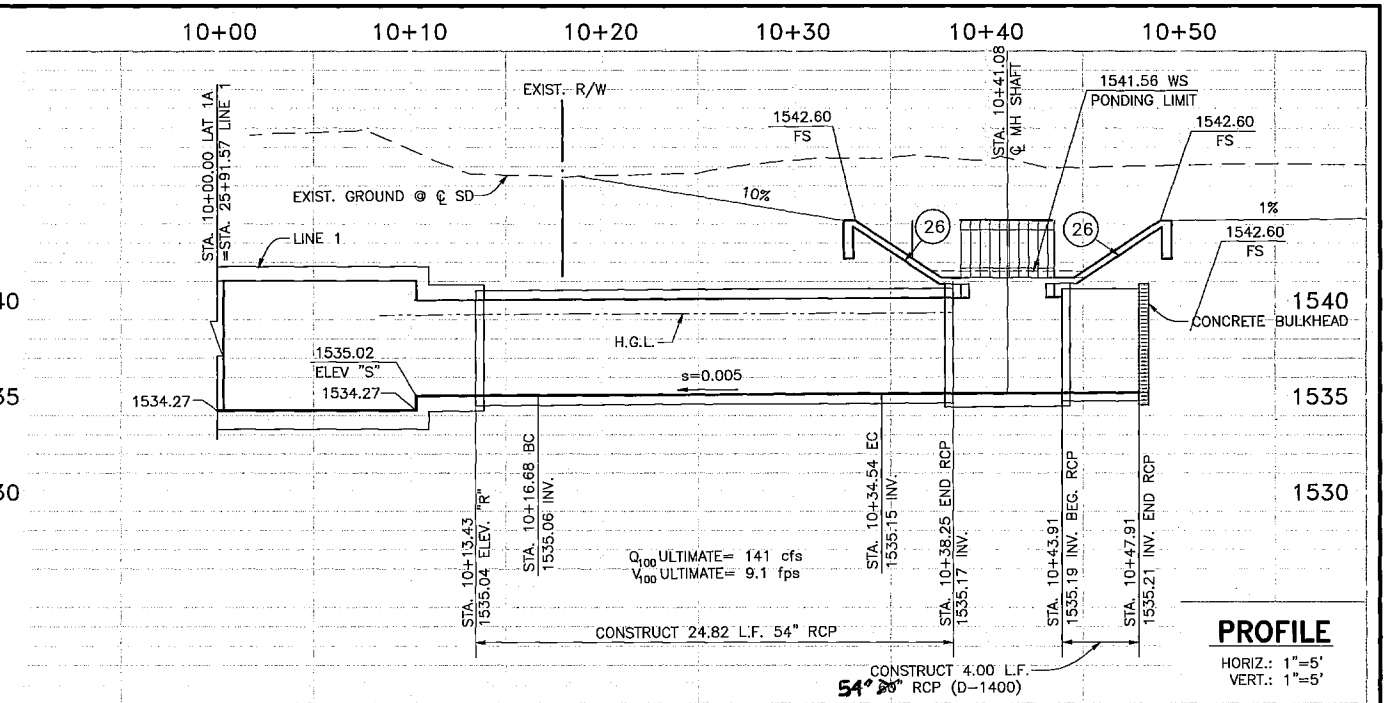
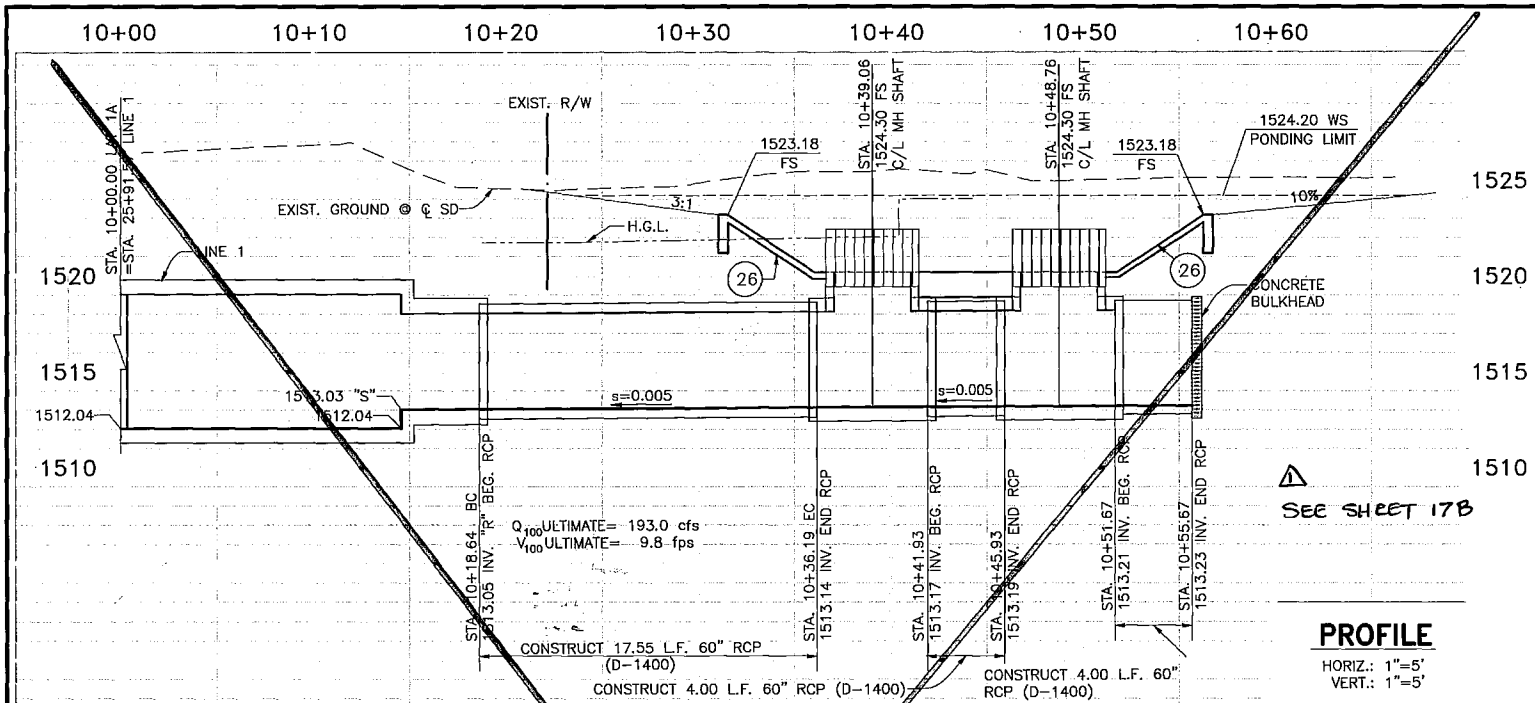
- NOTES**
- 26 CONSTRUCT 6" CONCRETE PAVING W/#4 BARS, 18" O.C. BOTH WAYS W/2' CUT OFF WALL.
 - 33 INSTALL MIDWEST GUARD RAIL SYSTEM PER CALTRANS STD RSP A77L1; FLARED END TREATMENT PER CALTRANS STD RSP A77R3, TYPE 16B; END ANCHOR ASSEMBLY PER CALTRANS STD A77S1
 - 43 CONSTRUCT MH NO. 2 PER RCFC STD MH252 WITH MODIFICATIONS AS SHOWN HERE AND SHEET 17B. PLACE DEBRIS RACK CAGE PER CALTRANS STD, D93C H=3' AS SHOWN ON SHEET 17B.
 - 85 CONSTRUCT CONCRETE BULKHEAD PER RCFC STD M816.
 - 86 CONSTRUCT 2' DEEP GRADED SWALE WITH VARIED SLOPE PER COUNTY STD 136 WITHIN THE R/W AND EASEMENT LIMITS. GRADE AT APPROXIMATELY 1.8% TOWARDS THE INLET. BEGIN GRADING AT 18 LF OFFSET FROM EDGE OF THE BRIGGS RD PAVEMENT AS SHOWN ON PLANS. SEE DETAIL ON THIS SHEET. MAX SIDESLOPE 4:1 WITHIN CALTRANS R/W.



CALTRANS PERMIT NUMBER: 08-14-N-DD-1090

COUNTY OF RIVERSIDE TRANSPORTATION APPROVED BY: <i>Alan Fand</i> CIVIL ENGINEER DATE: 7-13-15	Don't Dig...Until You Call U.S.A. Toll Free 1-800-227-2600 for the location of buried utility lines. Don't disrupt vital services. TWO WORKING DAYS BEFORE YOU DO	BENCH MARK	REVISIONS		RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT DESIGNED BY: ROHINI MUSTAFA DRAWN BY: MICHAEL ARMENTA DATE DRAWN: AUGUST 2014	RECOMMENDED FOR APPROVAL BY: <i>Imad M. Guiruis</i> DATE: 7/8/15	APPROVED BY: <i>Robert J. Cullen</i> DATE: 8 July 2015	HOMELAND MDP LINE 1 STAGE 1 STA 10+00.00 TO STA 10+53.30 INLET PLAN AND PROFILE	PROJECT NO. 4-00345-01 DRAWING NO. 4-859 SHEET NO. 17A OF 34
			REF.	DESCRIPTION					





- NOTES**
- 26 CONSTRUCT 6" CONC. PAVING W/ #4 BARS, 18" O.C. BOTHWAYS W/ 2' CUTOFF WALL AT INLET STRUCTURE
 - 43 CONSTRUCT DROP-INLET-SEE-DETAIL-HEREON
 - 33 INSTALL METAL BEAM GUARD RAILING PER CALTRANS STD. A77 L1



ALBERT A. WEBB
 3788 McCRAY ST.
 RIVERSIDE, CA. 92506
 PH. (951) 686-1070

Don't Dig...Until You Call U.S.A. Toll Free
 1-800-227-2600

PERMANENT BENCH MARK
 B.M. NO. S 327-1935
 3.8 MI. NW FROM WINCHESTER
 3.9 MI. NW ALONG THE RICHMOND/TOPEKA
 AND SANTA FE RAILWAY FROM THE STATION
 AT WINCHESTER, RIVERSIDE COUNTY, AT
 MENIFEE SIDING, 188 YRDS. NW OF THE
 SE SWITCH STAND, 72 FT. E OF MILEPOST 6,
 18.5 FT. NE OF THE CENTERLINE OF THE TRACK,
 AND 4.5 FT. NE OF THE STATION SIGN. A
 STANDARD DISK, STAMPED R 327 1935 AND
 SET IN THE TOP OF A CONCRETE FOOT.
 ELEVATION: 1478.07

REV.	DESCRIPTION	DATE
1	ADDED MISC. NOTES	7/8/07

RIVERSIDE COUNTY FLOOD CONTROL
 AND
 WATER CONSERVATION DISTRICT

DESIGNED BY: [Signature]
 DRAWN BY: [Signature]
 DATE DRAWN: 12/3/2007

RECOMMENDED FOR APPROVAL BY: [Signature]
 APPROVED BY: [Signature]
 DATE: 12/21/07

HOMELAND MDP
LINE 1, STAGE 1
 INLET STRUCTURE DETAIL

PROJECT NO. 4-0-00345
 DRAWING NO. 4-859
 SHEET NO. 17B OF 34

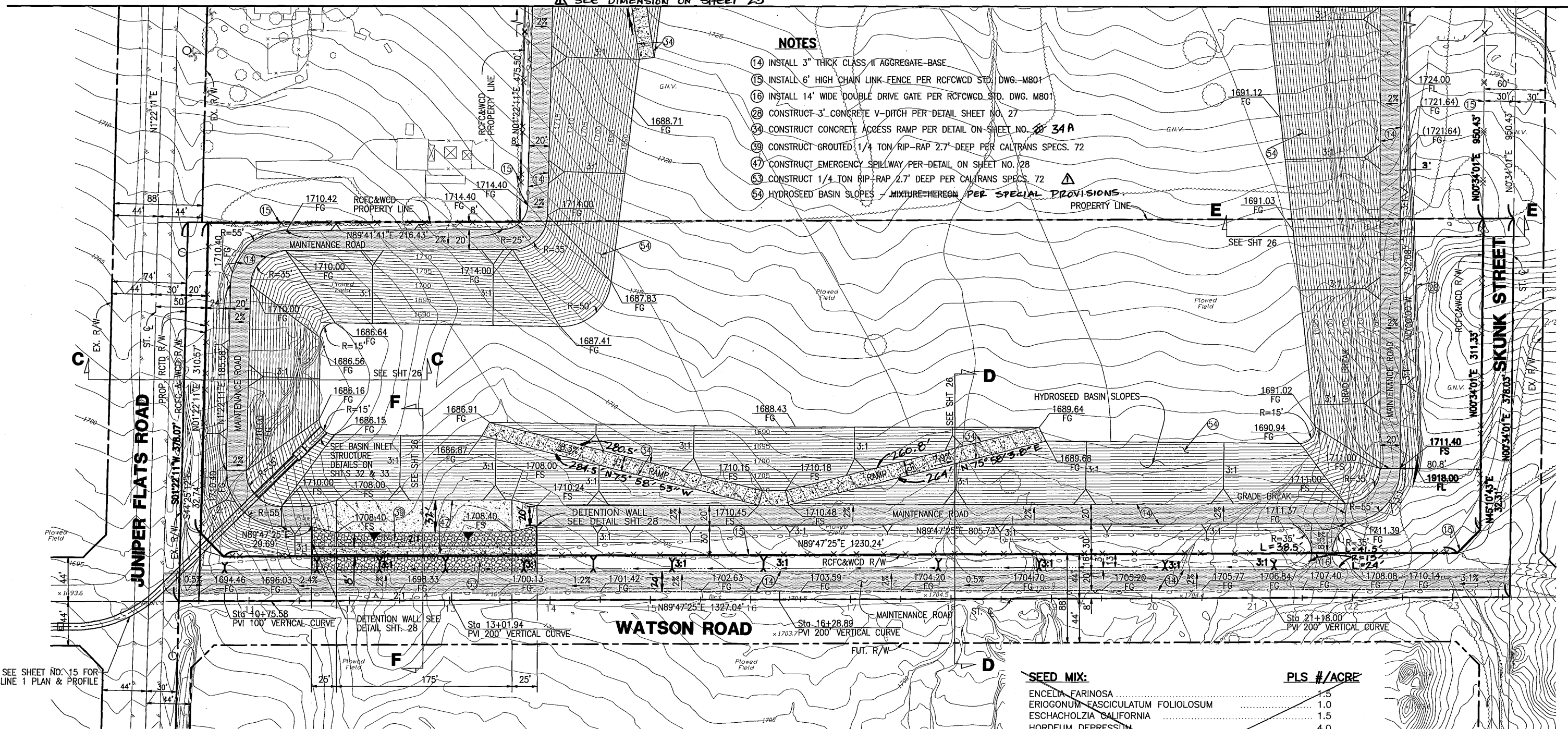
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MATCHLINE ~ SEE SHEET No. 25

SEE DIMENSION ON SHEET 25

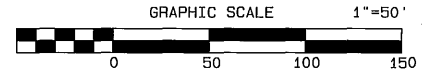
NOTES

- 14 INSTALL 3" THICK CLASS II AGGREGATE-BASE
- 15 INSTALL 6' HIGH CHAIN LINK FENCE PER RCFCWCD STD. DWG. M801
- 16 INSTALL 14' WIDE DOUBLE DRIVE GATE PER RCFCWCD STD. DWG. M801
- 28 CONSTRUCT 3' CONCRETE V-DITCH PER DETAIL SHEET NO. 27
- 34 CONSTRUCT CONCRETE ACCESS RAMP PER DETAIL ON SHEET NO. 34A
- 39 CONSTRUCT GROUTED 1/4 TON RIP-RAP 2.7' DEEP PER CALTRANS SPECS. 72
- 47 CONSTRUCT EMERGENCY SPILLWAY PER DETAIL ON SHEET NO. 28
- 53 CONSTRUCT 1/4 TON RIP-RAP 2.7' DEEP PER CALTRANS SPECS. 72
- 54 HYDROSEED BASIN SLOPES - MIXTURE HEREON PER SPECIAL PROVISIONS



SEED MIX:	PLS #/ACRE
ENCELIA FARINOSA	1.5
ERIGONUM ESCICULATUM FOLIOLOSUM	1.0
ESCHACHOLZIA CALIFORNIA	1.5
HORDEUM DEPRESSUM	4.0
LOTUS ACOPARINA	4.0
LUPINUS BICOLOR	2.0
MIMULUS AURANTIACUS PURICEUS	0.1
NASELLA PULCHRA	5.0
SALVIA APIANA	1.0
SALVIA MELLIFERE	3.0
VULPIA MOCROSTACHYS	8.0
TOTAL PLS #/ACRE	31.1

HYDROSEED MIXTURE	APPLICATION RATE
MULCH: WOOD FIBER	2000 #/ACRE
FERTILIZER: 15-15-15	200 #/ACRE
ADDITIVES: M-BINDER	150 #/ACRE
AM-120 MYCORRHIZA INOCULUM	60 #/ACRE



SEE SHEET NO. 15 FOR LINE 1 PLAN & PROFILE

SEAL-COUNTY COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
 APPROVED BY: *Alan French* 12-18-07
 ALAN D. FRENCH, P.E. DATE
 R.C.E. 45702 EXP. 12-31-08
 RECOMMENDED BY: *[Signature]* DATE 12/18/07

ALBERT A. WEBB ASSOCIATES
 3788 McCRAY ST. RIVERSIDE, CA. 92506
 PH. (951) 686-1070
 PREPARED BY: *[Signature]* DATE 12-13-07
 R.C.E. NO. C44762 EXP. DATE 3-31-08

Don't Dig...Until You Call U.S.A. Toll Free 1-800-227-2600 for the location of buried utility lines. Don't disrupt vital services. TWO WORKING DAYS BEFORE YOU DIG

PERMANENT BENCH MARK B.M. NO. S 327-1935
 3.9 MI. NW FROM WINCHESTER AND SANTA FE RAILWAY FROM THE STATION AT WINCHESTER, RIVERSIDE COUNTY AT MILES SIGN: THE YORK, NW OF THE SE SWITCH STAND, 79 FT. E OF MILEPOST 6, 16.5 FT. NE OF THE CENTERLINE OF THE TRACK, AND 4.9 FT. NE OF THE STATION SIGN STANDING ON THE TOP OF A CONCRETE POST. ELEVATION: 1478.07

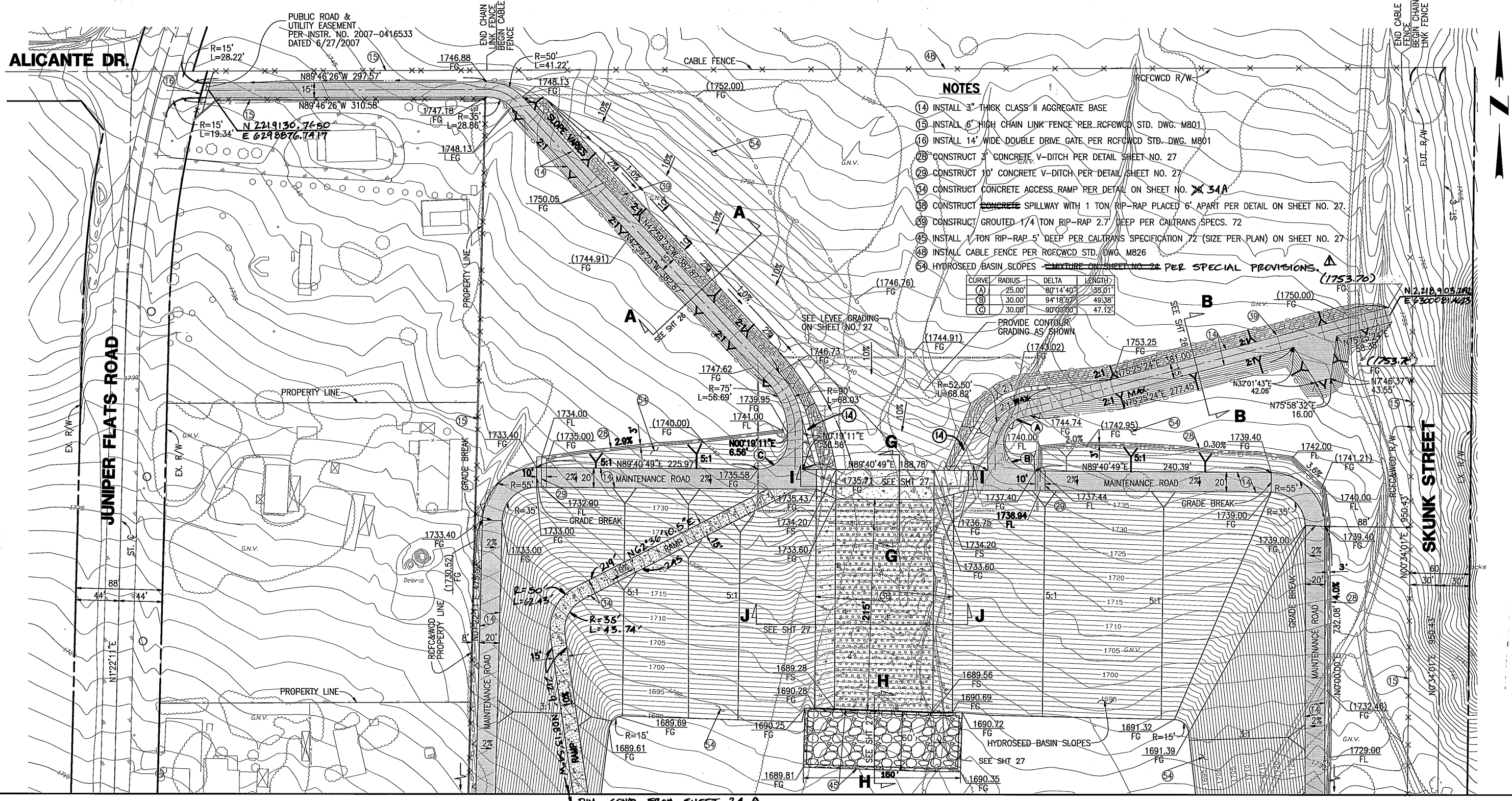
REVISIONS	DATE
ADDED MISC. NOTES AND DETAILS	12/18/07

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
 DESIGNED BY: *[Signature]*
 DRAWN BY: *[Signature]*
 DATE DRAWN: 12/18/07
 CHECKED BY: *[Signature]*
 DATE: 12-21-2007

HOMELAND MDP JUNIPER FLATS ROAD DETENTION BASIN

PROJECT NO. 4-0-0347
 DRAWING NO. 4-859
 SHEET NO. 24 OF 34

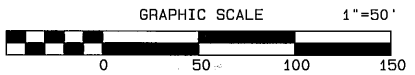
NO. C44762 EXP. 3-31-08



- NOTES**
- (14) INSTALL 3" THICK CLASS II AGGREGATE BASE
 - (15) INSTALL 6' HIGH CHAIN LINK FENCE PER RCFWCWD STD. DWG. M801
 - (16) INSTALL 14' WIDE DOUBLE DRIVE GATE PER RCFWCWD STD. DWG. M801
 - (28) CONSTRUCT 3" CONCRETE V-DITCH PER DETAIL SHEET NO. 27
 - (29) CONSTRUCT 10' CONCRETE V-DITCH PER DETAIL SHEET NO. 27
 - (34) CONSTRUCT CONCRETE ACCESS RAMP PER DETAIL ON SHEET NO. 34A
 - (38) CONSTRUCT CONCRETE SPILLWAY WITH 1 TON RIP-RAP PLACED 6' APART PER DETAIL ON SHEET NO. 27
 - (39) CONSTRUCT GROUTED 1/4 TON RIP-RAP 2.7' DEEP PER CALTRANS SPECS. 72
 - (45) INSTALL 1 TON RIP-RAP 5' DEEP PER CALTRANS SPECIFICATION 72 (SIZE PER PLAN) ON SHEET NO. 27
 - (48) INSTALL CABLE FENCE PER RCFWCWD STD. DWG. M826
 - (54) HYDROSEED BASIN SLOPES MIXTURE ON SHEET NO. 24 PER SPECIAL PROVISIONS.

MATCHLINE ~ SEE SHEET No. 24

SEAL-COUNTY COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
 APPROVED BY: *Alan French* 12-18-07
 ALAN D. FRENCH, P.E. DATE
 R.C.E. 45702 EXP. 12-31-08
 RECOMMENDED: *[Signature]* 12/18/07
 DATE



ALBERT A. WEBB ASSOCIATES
 3788 McCray St.
 Riverside, CA. 92506
 PH. (951) 686-1070
 PREPARED BY: *[Signature]* DATE: 12/18/07
 R.C.E. NO. C44762 EXP. DATE 3-31-08

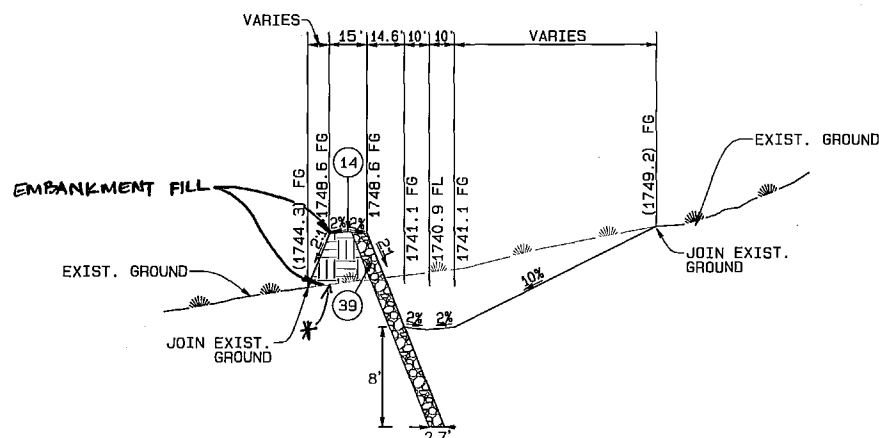
PERMANENT BENCH MARK
 B.M. NO. S 327-1935
 3.9 MI. NW FROM WINCHESTER
 3.9 MI. RW ALONG THE ATCHISON, TOPEKA
 AND SANTA FE RAILWAY FROM THE STATION
 AT WINCHESTER, RIVERSIDE COUNTY, CA.
 MONUMENT SIGNED 1887, 1893, RW OF THE
 SE SWITCH STAND, 72 FT. E OF MILEPOST 0,
 16.5 FT. NE OF THE CENTERLINE OF THE TRACK,
 AND 4.5 FT. NE OF THE STATION SIGN. A
 STANDARD DISK, STAMPED 1887 1935, AND
 SET IN THE TOP OF A CONCRETE POST.
 ELEVATION: 1478.07

REF.	DESCRIPTION	APPR.	DATE
1	ADDED NOTES AND MISC. DETAILS	AWG	7/8/05

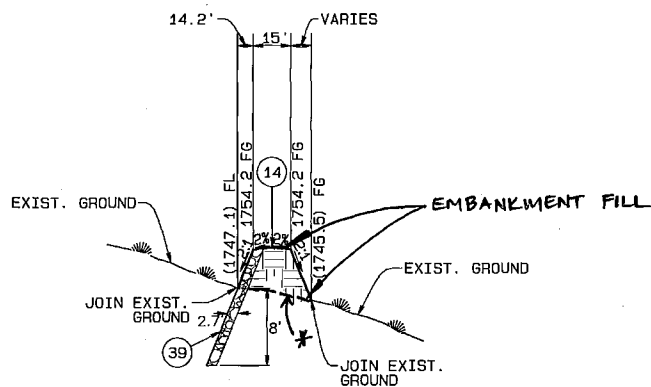
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
 DESIGNED BY: *[Signature]*
 DRAWN BY: *[Signature]*
 DATE DRAWN: 12/21/07
 CHECKED BY: *[Signature]*
 RECOMMENDED FOR APPROVAL BY: *[Signature]*
 DATE: 12/21/07
 APPROVED BY: *[Signature]*
 DATE: 12-21-2007

HOMELAND MDP
 JUNIPER FLATS ROAD
 DETENTION BASIN
 PROJECT NO. 4-0-0347
 DRAWING NO. 4-859
 SHEET NO. 25 OF 34

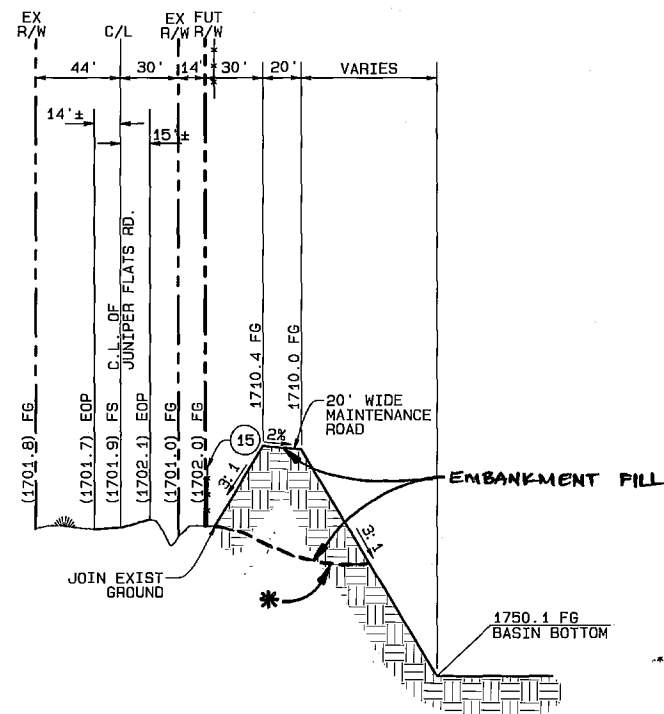
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WEST LEVEE
SECTION "A-A" (SHT 25)



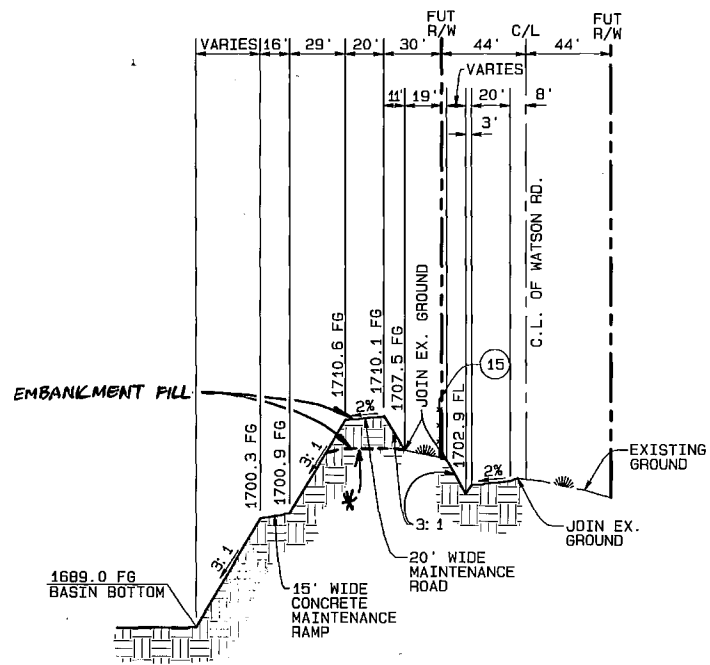
EAST LEVEE
SECTION "B-B" (SHT 25)



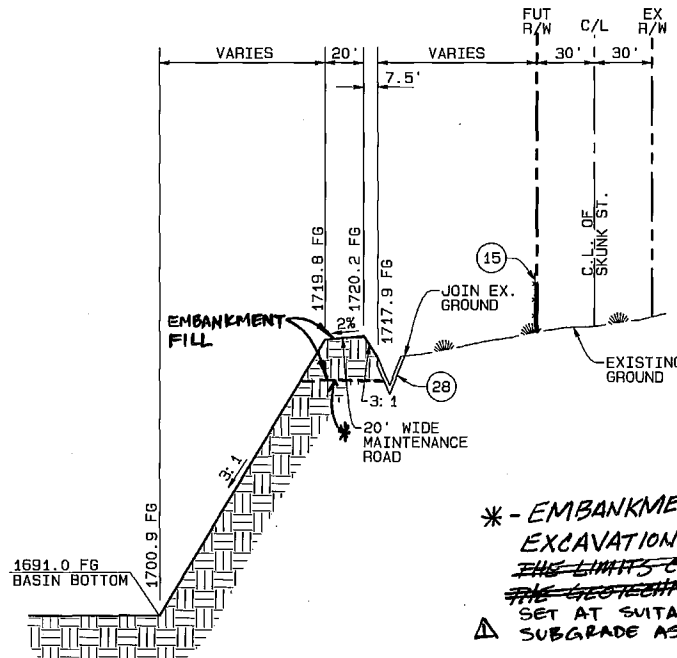
SECTION "C-C" (SHT 24)

NOTES

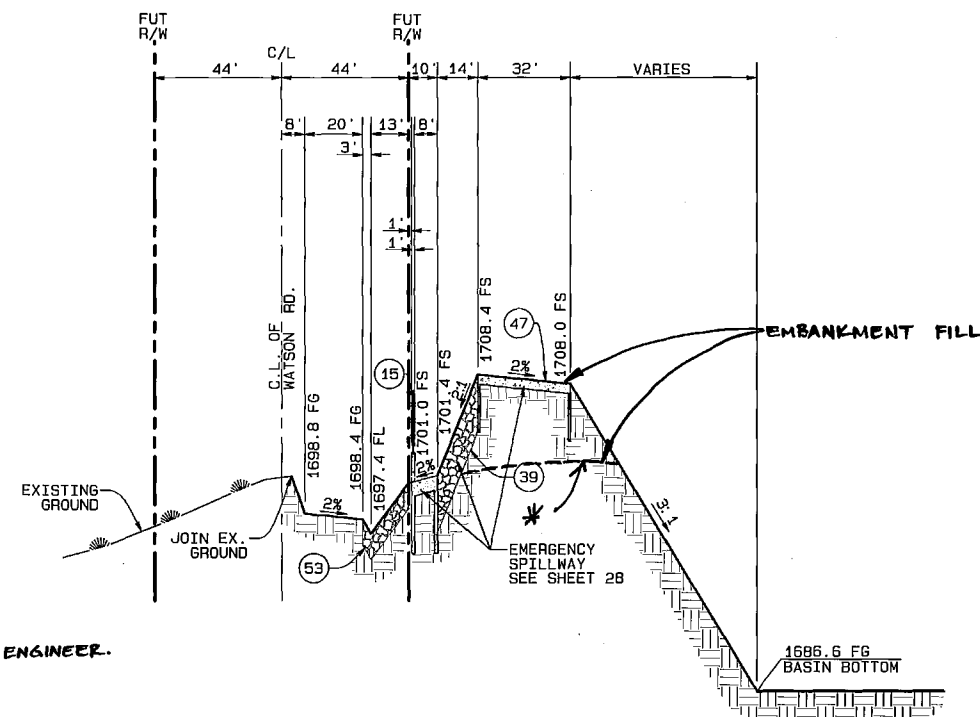
- 14 INSTALL 3" THICK CLASS II AGGREGATE BASE
- 15 INSTALL 6' HIGH CHAIN LINK FENCE PER RCFCWCD STD. DWG. M801
- 28 CONSTRUCT 3' CONCRETE V-DITCH PER DETAIL SHEET NO. 27
- 39 CONSTRUCT GROUTED 1/4 TON RIP-RAP 2.7' DEEP PER CALTRANS SPECS. 72
- 47 CONSTRUCT EMERGENCY SPILLWAY PER DETAIL ON SHEET NO. 28
- 53 CONSTRUCT 1/4 TON RIP-RAP 2.7' DEEP PER CALTRANS SPECS. 72



SECTION "D-D" (SHT 24)



SECTION "E-E" (SHT 24)



SECTION "F-F" (SHT 24)

* - EMBANKMENT FOUNDATION EXCAVATION SHALL BE PER THE LIMITS CONTAINED WITHIN THE GEOTECHNICAL REPORT SET AT SUITABLY COMPETENT SUBGRADE AS DETERMINED BY ENGINEER.



ALBERT A. WEBB
3788 McCRAY ST.
RIVERSIDE, CA. 92508
PH. (951) 686-1070
PREPARED BY: *[Signature]* DATE: 12/15/07
R.C.E. NO. C44762 EXP. DATE 3-31-08

Don't Dig...Until You Call U.S.A. Toll Free 1-800-227-2600 for the location of buried utility lines. Don't disrupt vital services.

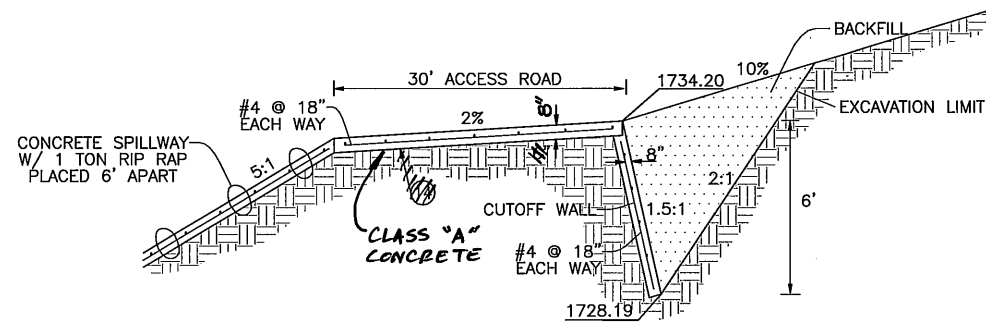
PERMANENT BENCH MARK B.M. NO. S 327-1935
3.8 MI. NW FROM WINCHESTER
3.9 MI. NW ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT WINCHESTER, RIVERSIDE COUNTY AT MENNER'S CORNER, 108 YDS. NW OF THE SE SWITCH STAND, 72 FT. E OF MILEPOST 6+18.5 FT. NE OF THE CENTERLINE OF THE TRACK, AND 4.5 FT. NE OF THE STATION SIGN. A BENCHMARK DISK, STAMPED 1.527 FEET AND SET IN THE TOP OF A CONCRETE POST.
ELEVATION: 1478.07

NO.	REVISIONS	DATE
1	ADDED NOTE	12/15/07

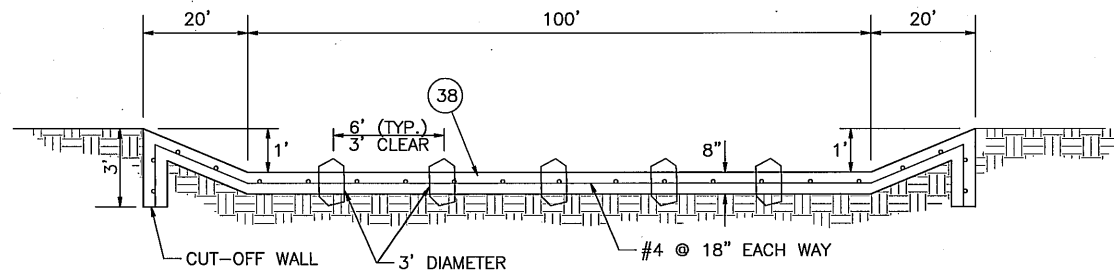
DESIGNED BY:	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
DRAWN BY:	<i>[Signature]</i>
DATE DRAWN:	12/15/07
CHECKED BY:	APPROVED BY: <i>[Signature]</i>
	DATE: 12/21/07

HOMELAND MDP
JUNIPER FLATS ROAD
DETENTION BASIN
SECTIONS

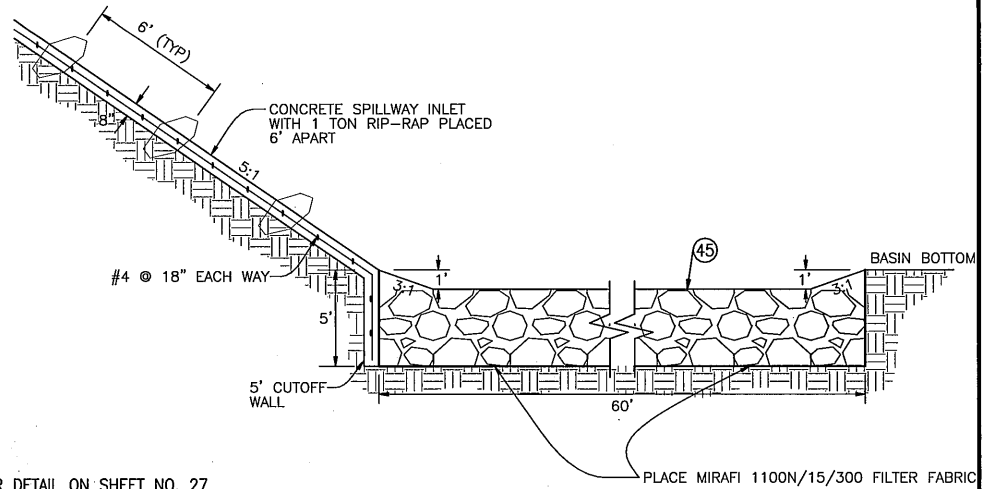
PROJECT NO.	4-0-0347
DRAWING NO.	4-859
SHEET NO.	26 OF 34



SECTION G-G (SHT 25)
N. T. S.

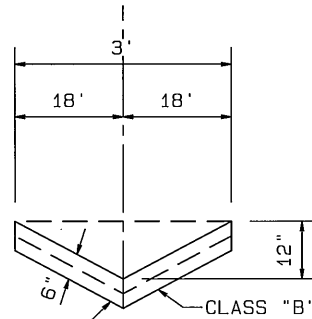


SECTION J-J (SHT 25)
N. T. S.



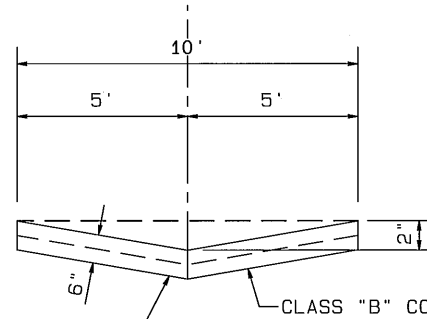
SECTION H-H (SHT 25)
N. T. S.

- NOTES**
- 14 INSTALL 3" THICK CLASS II AGGREGATE BASE
 - 28 CONSTRUCT 3' CONCRETE V-DITCH
 - 29 CONSTRUCT 10' CONCRETE V-DITCH
 - 38 CONSTRUCT CONCRETE SPILLWAY WITH 1 TON RIP-RAP PLACED 6' APART PER DETAIL ON SHEET NO. 27
 - 45 INSTALL 1 TON RIP-RAP 5' DEEP PER CALTRANS SPECIFICATION 72 (SIZE PER PLAN) ON SHEET NO. 27



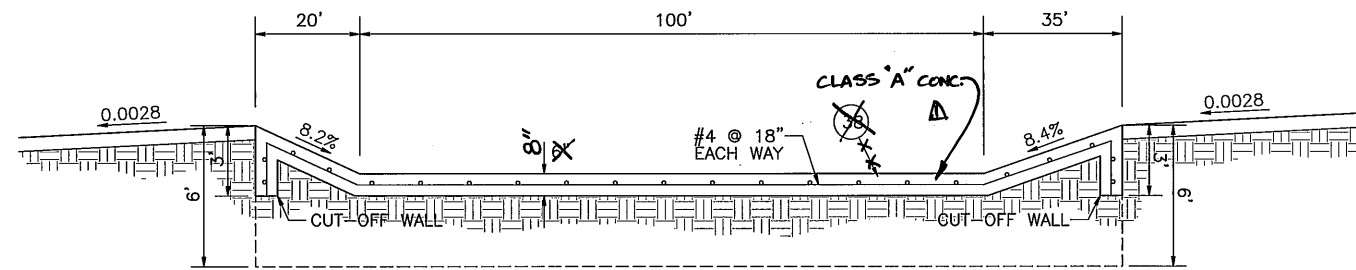
6" x 6" x 10GA x 10GA WELDED WIRE MESH

28 3' CONCRETE V-DITCH
N. T. S.

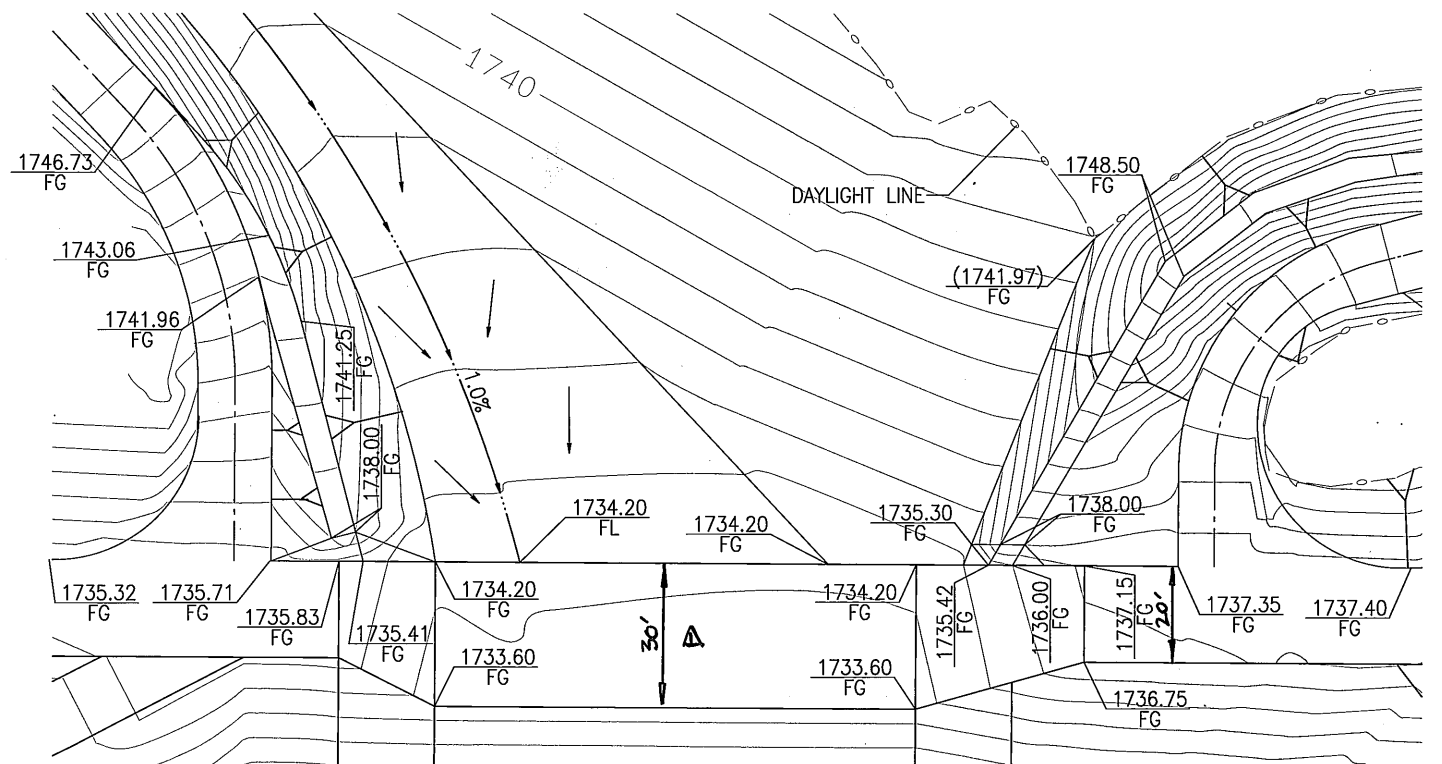


6" x 6" x 10GA x 10GA WELDED WIRE MESH

29 10' CONCRETE V-DITCH
N. T. S.



SECTION I-I (SHT 25)
N. T. S.



LEVEE GRADING DETAIL
SCALE: 1"=20'
SEE SHEET 25

SEAL-COUNTY COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
 APPROVED BY: *Alan French* 12-18-07
 ALAN D. FRENCH, P.E. DATE
 R.C.E. 45702 EXP. 12-31-08
 RECOMMENDED: *[Signature]* 12/18/07 DATE

ALBERT A. WEBB ASSOCIATES
 3788 McCRAY ST. RIVERSIDE, CA. 92506
 (951) 686-1070
 PREPARED BY: *[Signature]* DATE: 12/18/07
 R.C.E. NO. C44762 EXP. DATE 3-31-08

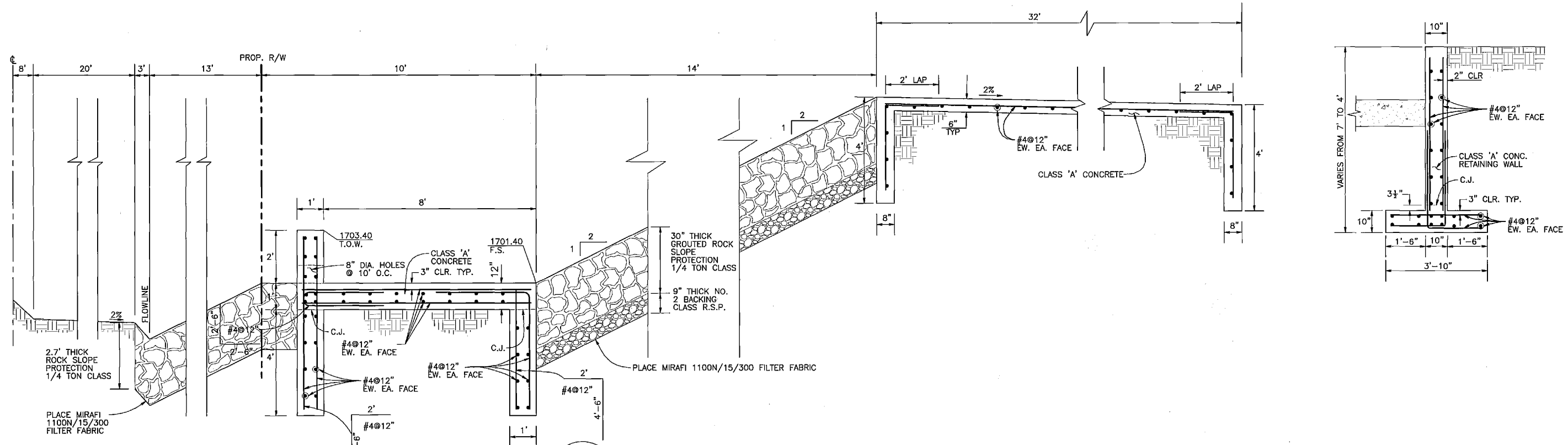
PERMANENT BENCH MARK
 B.M. NO. S 327-1935
 3.9 MI. NW FROM WINCHESTER
 3.9 MI. NW ALONG THE ATCHISON/TOPEKA
 AND SANTA FE RAILWAY FROM THE STATION
 AT WINCHESTER, RIVERSIDE COUNTY, AT
 MILEPOST 186.700, NW OF THE
 SE SWITCH STAND, 72 FT. E OF MILEPOST 186,
 18.9 FT. NE OF THE CENTERLINE OF THE TRACK,
 AND 4.5 FT. NE OF THE STATION SIGN. A
 STANDARD DISK, STAMPED R 327 1935 AND
 SET IN THE TOP OF A CONCRETE POST.
 ELEVATION: 1478.07

REF.	DESCRIPTION	APPR.	DATE
1	ADDED MISC. NOTES AND DETAILS	AKG	7/9/15

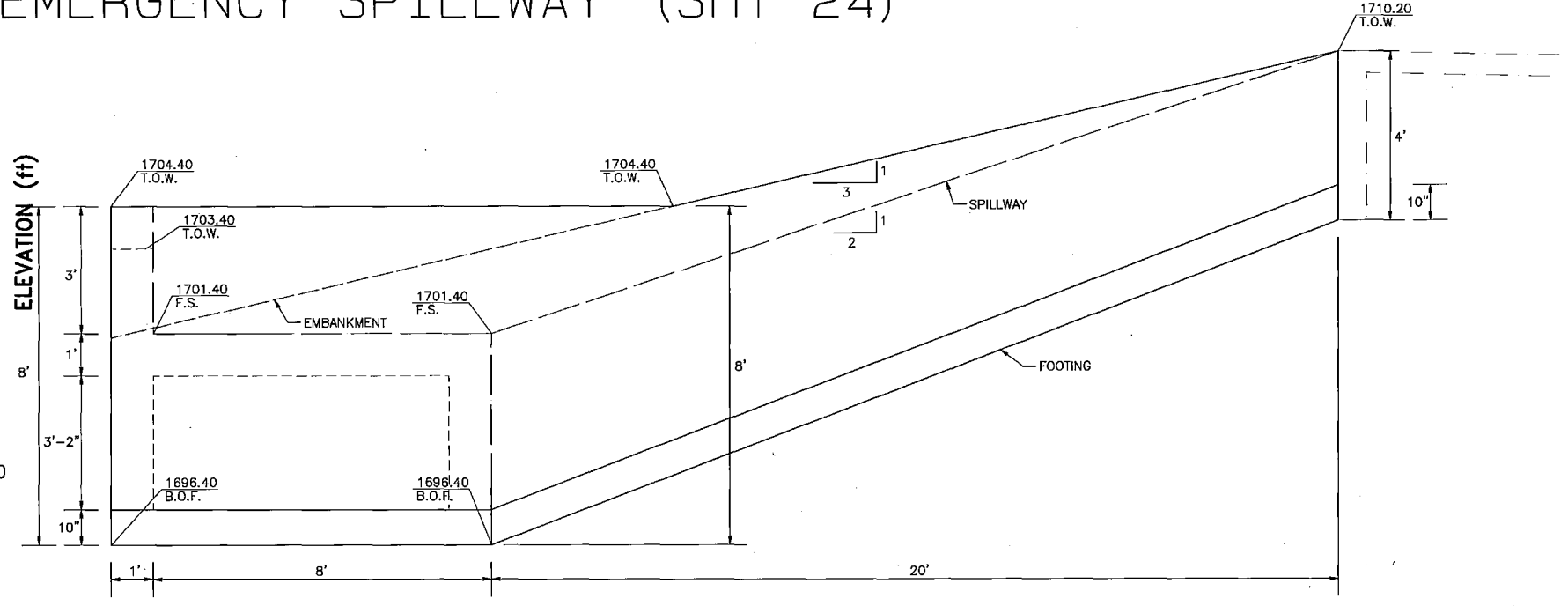
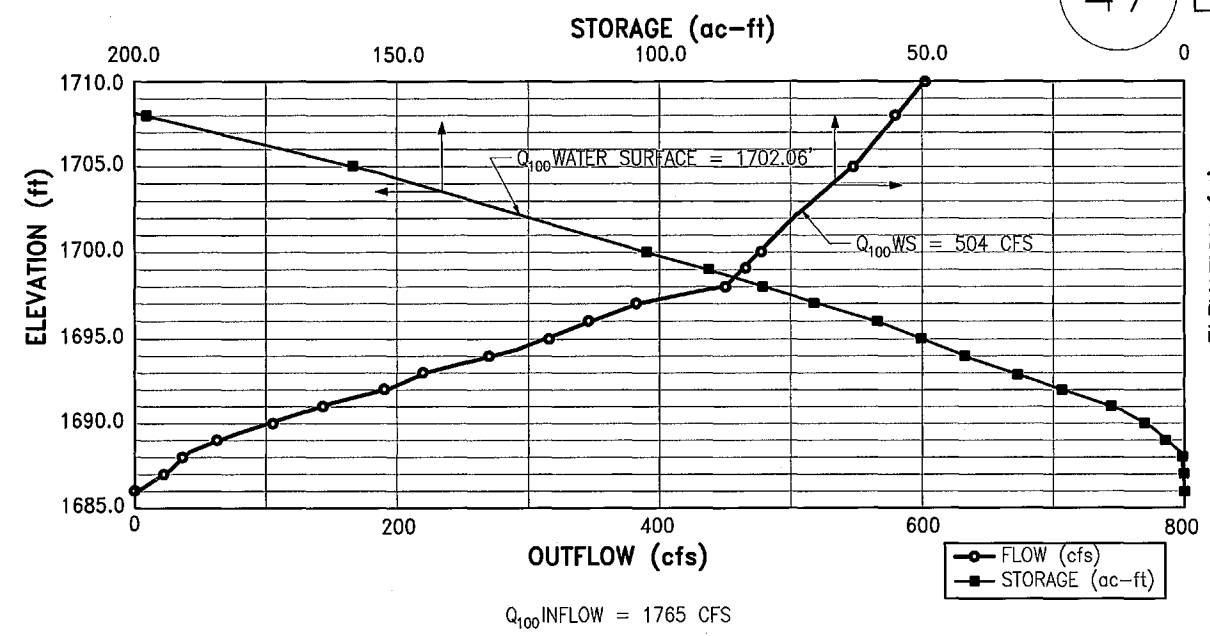
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
 RECOMMENDED FOR APPROVAL BY: *[Signature]*
 APPROVED BY: *[Signature]*
 DATE: 12/21/07 DATE: 12-21-2007

HOMELAND MDP JUNIPER FLATS ROAD DETENTION BASIN
 PROJECT NO. 4-0-0347
 DRAWING NO. 4-859
 SHEET NO. 27 OF 34

23



47 EMERGENCY SPILLWAY (SHT 24)



RETAINING WALL EACH SIDE (SHT 24)

SEAL-COUNTY
 RIVERSIDE COUNTY
TRANSPORTATION DEPARTMENT
 APPROVED BY:
 RECOMMENDED: *Alan French* DATE: 12/18/07
 ALAN D. FRENCH, P.E. DATE: 12-18-07
 R.C.E. 45702 EXP. 12-31-08

ALBERT A. WEBB
 3788 McCRAY ST.
 RIVERSIDE, CA. 92508
 PH. (951) 686-1070
 PREPARED BY: *Albert A. Webb* DATE: 12-13-07
 R.C.E. NO. C44762 EXP. DATE 3-31-08

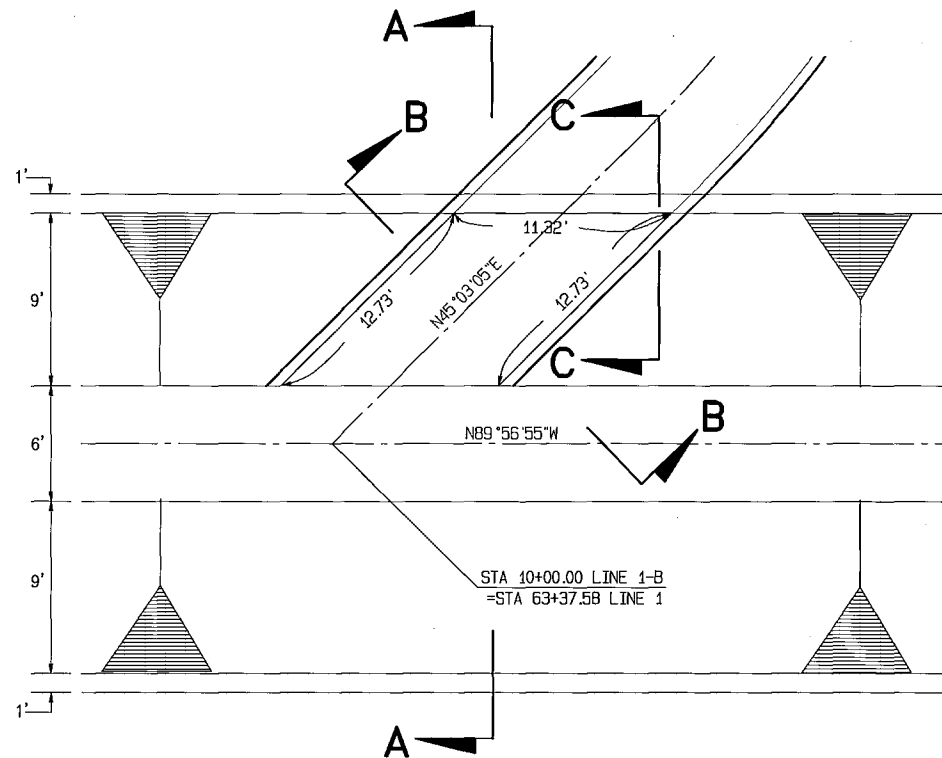
PERMANENT BENCH MARK
 B.M. NO. S 327-1935
 3.9 MI. NW FROM WINCHESTER
 3.9 MI. NW ALONG THE ATCHISON, TOPEKA
 AND SANTA FE RAILWAY FROM THE STATION
 AT WINCHESTER, RIVERSIDE COUNTY AT
 MONTELEONE, 199 YDS. NW OF THE
 SE SWITCH STAKE, 74 FT. E. OF MILEPOST 8,
 18.5 FT. NE OF THE CENTERLINE OF THE TRACK,
 AND 4.3 FT. NE OF THE STATION SIGN. A
 STANDARD DISK, STAMPED R 327 1935 AND
 SET IN THE TOP OF A CONCRETE POST.
 ELEVATION: 1478.07

REF.	DESCRIPTION	APPR.	DATE	CHECKED BY:

RIVERSIDE COUNTY FLOOD CONTROL
 AND
 WATER CONSERVATION DISTRICT
 RECOMMENDED FOR APPROVAL BY: *Alan French*
 APPROVED BY: *Stuart E. F. Kild*
 DATE: 12/21/07 DATE: 12-21-2007

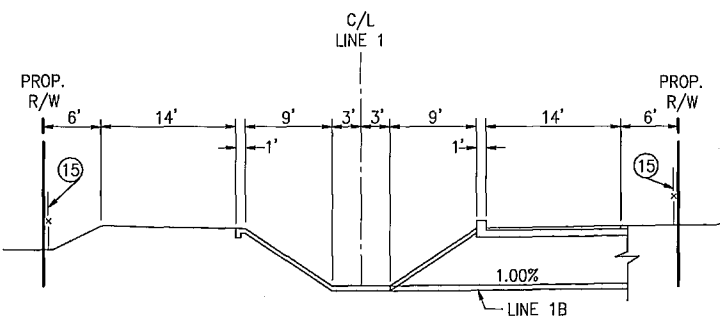
HOMELAND MDP
 JUNIPER FLATS ROAD
 DETENTION BASIN
 DETAILS
 PROJECT NO. 4-0-0347
 DRAWING NO. 4-859
 SHEET NO. 28 OF 34

24
 12/21/07



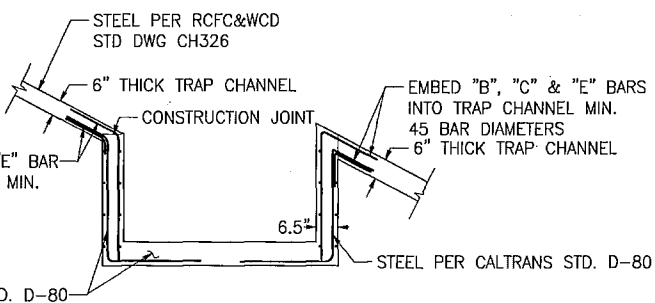
LINE 1-B PLAN

SCALE 1"=5'
SEE SHEET 8



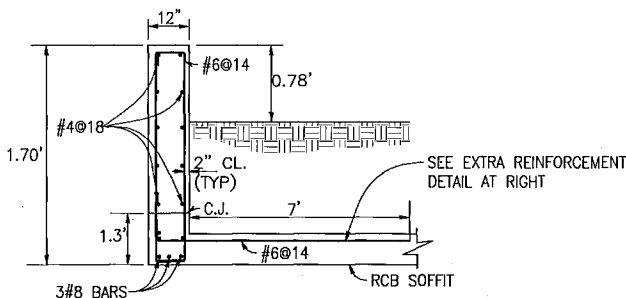
SECTION A-A

SCALE 1"=10'



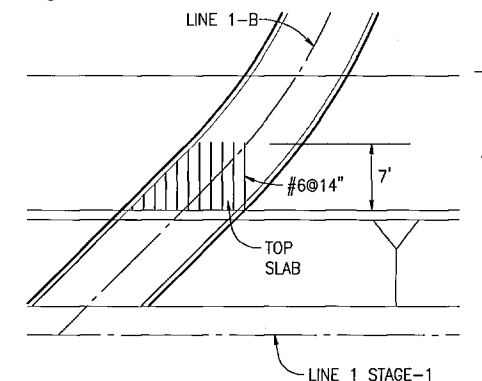
SECTION B-B

N.T.S.



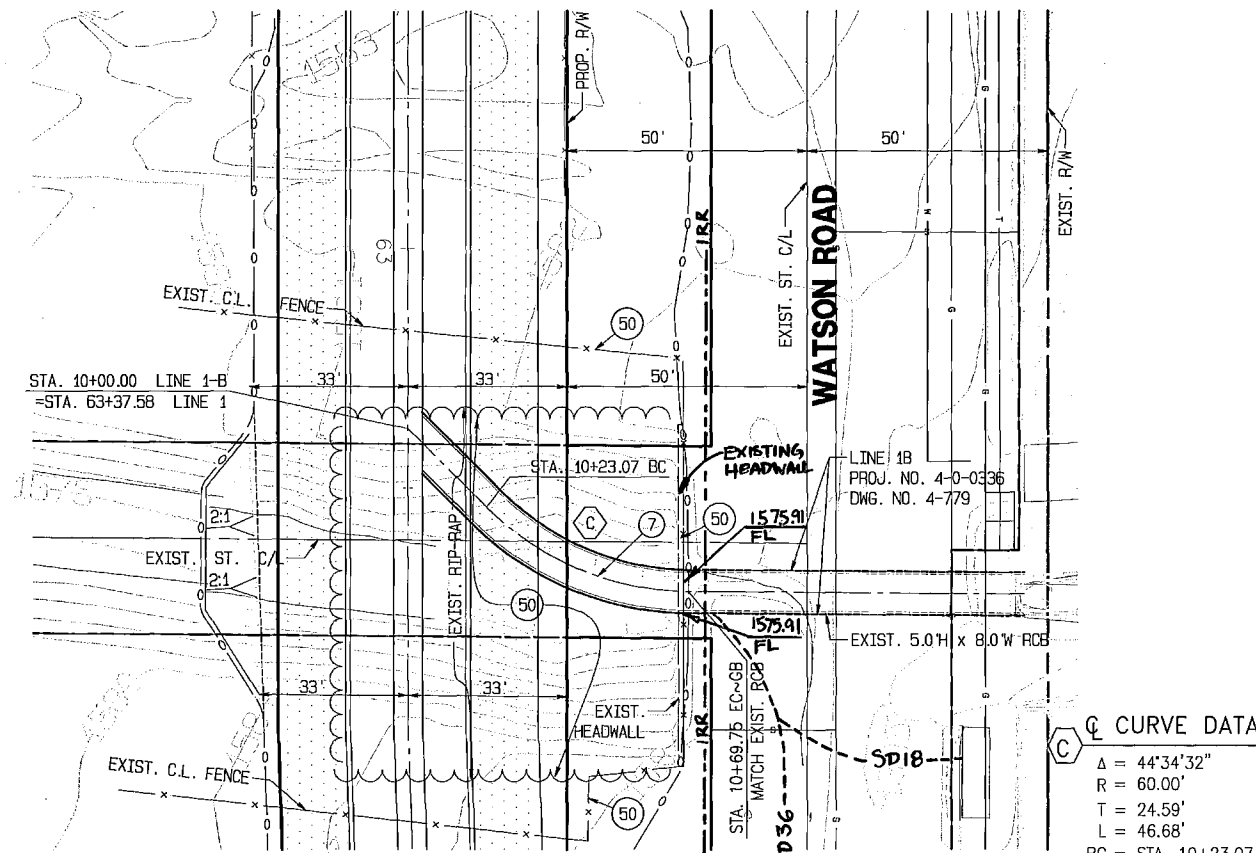
SECTION C-C

N.T.S.



**1-B
LINE 1-B EXTRA REINFORCEMENT DETAIL
AT JUNCTION STRUCTURE WITH LINE 1**

N.T.S.



LINE 1-B PLAN

1"=20'
SEE SHEET 8

NOTES

- ⑦ CONSTRUCT 5.0'H x 8.0'W RCB PER CALTRANS STD. DWG. D81
- ⑮ INSTALL 6' HIGH CHAIN LINK FENCE PER RCFCWCD STD. DWG. M801
- ⑤① REMOVE EXISTING IMPROVEMENTS AS NECESSARY. CONNECT THE NEW RCB TO THE EXISTING RCB USING TRANSVERSE EXPANSION JOINT DETAIL AS SHOWN ON RCFC STD DWG CH329. FOLLOW NOTE 6 OF THE STD DWG.

C CURVE DATA

- Δ = 44°34'32"
- R = 60.00'
- T = 24.59'
- L = 46.68'
- BC = STA. 10+23.07
- EC = STA. 10+69.75

G:\2003\03-0338\UMG&PRO\033381.dwg - 12/2/2007



ALBERT A. WEBB
3788 McCRAY ST.
RIVERSIDE, CA. 92506
PH. (951) 686-1070
PREPARED BY: *[Signature]* DATE: *[Date]*
R.C.E. NO. C44762 EXP. DATE 03-31-08

Don't Dig...Until You Call U.S.A. Toll Free
1-800-227-2600
for the location of buried utility lines.
Don't disrupt vital services.
THIRD WORKING DAYS BEFORE YOU DIG

PERMANENT BENCH MARK
B.M. NO. S 327-1935
3.9 MI. NW FROM WINCHESTER
3.9 MI. NW ALONG THE ATCHISON, TOPEKA
AND SANTA FE RAILWAY FROM THE STATION
AT WINCHESTER, RIVERSIDE COUNTY, AT
MENEFEE SIDING, 183 YDS. NW OF THE
SE SWITCH STAND, 72 FT. E OF MILEPOST 6,
16.5 FT. NE OF THE CENTERLINE OF THE TRACK,
AND 4.5 FT. NE OF THE STATION SIGN. A
STANDARD DISK, STAMPED R 327 1935 AND
SET IN THE TOP OF A CONCRETE POST.
ELEVATION: 1478.07

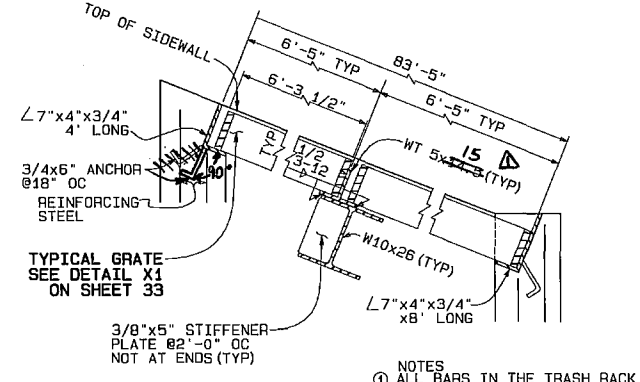
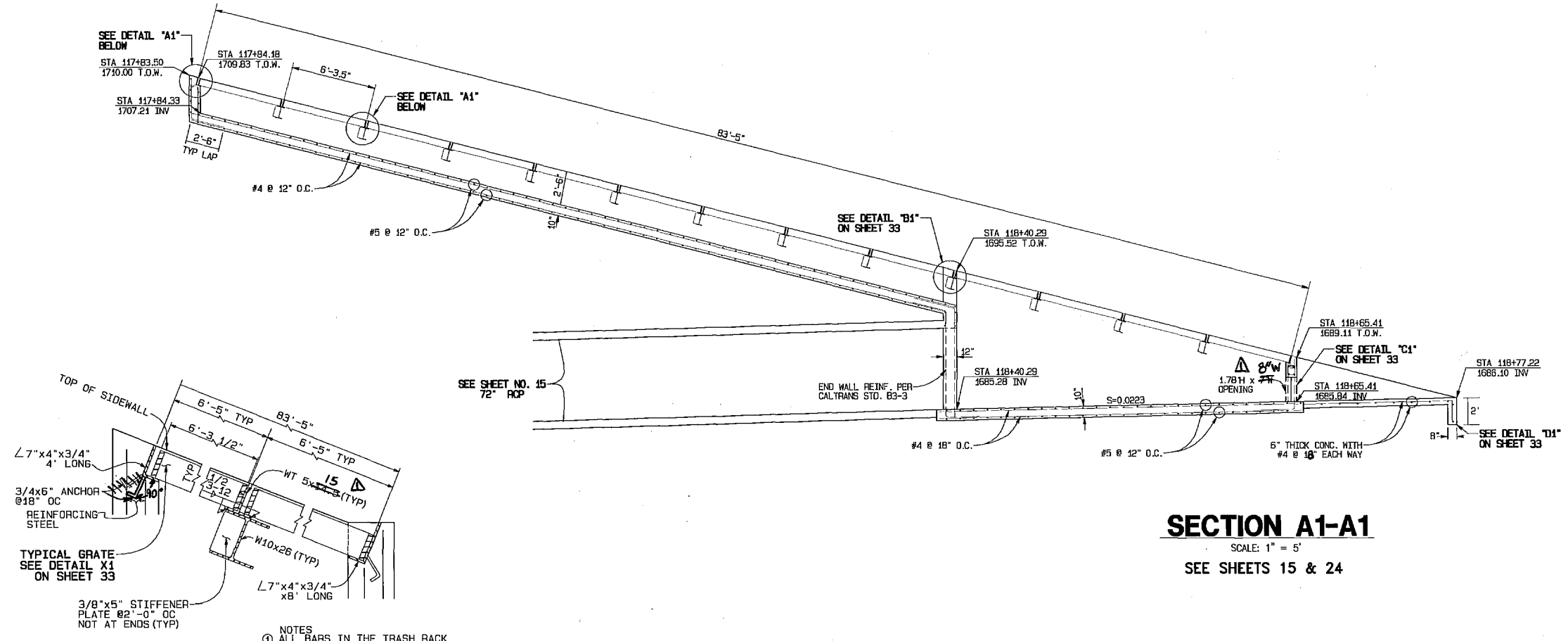
REF.	DESCRIPTION	APPR.	DATE
1	ADDED MISC. NOTES AND DETAILS	AWG	7/8/15

DESIGNED BY:
DRAWN BY:
DATE DRAWN: 12/3/2007
CHECKED BY:

RIVERSIDE COUNTY FLOOD CONTROL
AND
WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY: *[Signature]*
APPROVED BY: *[Signature]*
DATE: 12/21/07

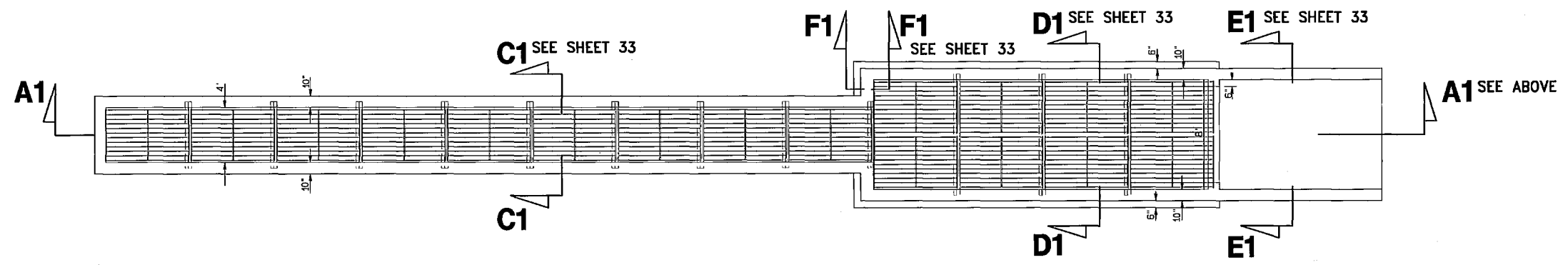
HOMELAND MDP
LINE 1, STAGE 1
LINE 1-B

PROJECT NO. 4-0-00345
DRAWING NO. 4-859
SHEET NO. 29 OF 34



NOTES
 ① ALL BARS IN THE TRASH RACK SHALL BE GALVANIZED STEEL.

SECTION A1-A1
 SCALE: 1" = 5'
 SEE SHEETS 15 & 24



PLAN
 SCALE: 1" = 5'
 SEE SHEETS 15 & 24

SEAL-COUNTY RIVERSIDE COUNTY
TRANSPORTATION DEPARTMENT
 APPROVED BY: *Alan French* 12/18/07
 RECOMMENDED DATE
Alan French 12-18-07
 ALAN D. FRENCH, P.E. DATE
 R.C.E. 45702 EXP. 12-31-08

ALBERT A. WEBB ASSOCIATES
 3788 McCRAY ST. RIVERSIDE, CA. 92508
 PH. (951) 686-1070
 PREPARED BY: *Alan French* DATE: 12/12/07
 R.C.E. NO. C44762 EXP. DATE 3-31-08

Don't Dig...Until You Call U.S.A. Toll Free 1-800-227-2600
 for the location of buried utility lines. Don't disrupt vital services.
 TWO WORKING DAYS BEFORE YOU DIG

PERMANENT BENCH MARK B.M. NO. S 327-1935
 3.9 MI. NW FROM WINCHESTER AND SANTA FE, RAILWAY FROM THE STATION AT WINCHESTER, RIVERSIDE COUNTY, AT THE SWITCH STAKE, 74 FT. E OF MILEPOST 0, 18.5 FT. NE OF THE CENTERLINE OF THE TRACK, AND 4.5 FT. NE OF THE STATION SIGN. A STANDARD DISK, STAMPED R 327 1935 AND SET IN THE TOP OF A CONCRETE POST.
 ELEVATION: 1478.07

REF.	DESCRIPTION	APPR.	DATE
	ADDED NOTES AND MISC. DETAILS	<i>JKG</i>	7/8/15

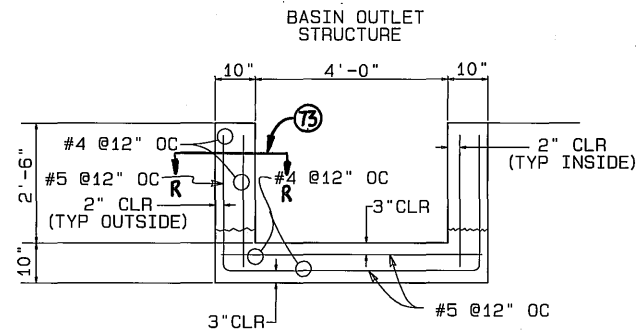
DESIGNED BY:	
DRAWN BY:	
DATE DRAWN:	
CHECKED BY:	

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
 RECOMMENDED FOR APPROVAL BY: *Alan French*
 APPROVED BY: *Shant E. T. K. K.*
 DATE: 12/14/07 DATE: 12-2-08

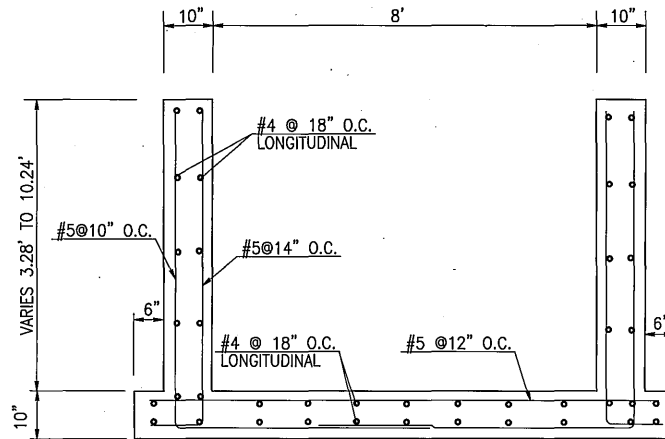
HOMELAND MDP JUNIPER FLATS ROAD DETENTION BASIN

PROJECT NO. 4-0-0347
 DRAWING NO. 4-859
 SHEET NO. 32 OF 34

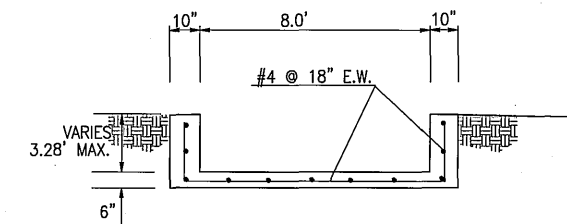
R:\PROJECTS\03-03-08\HOMELAND MDP\DWG\12/14/07



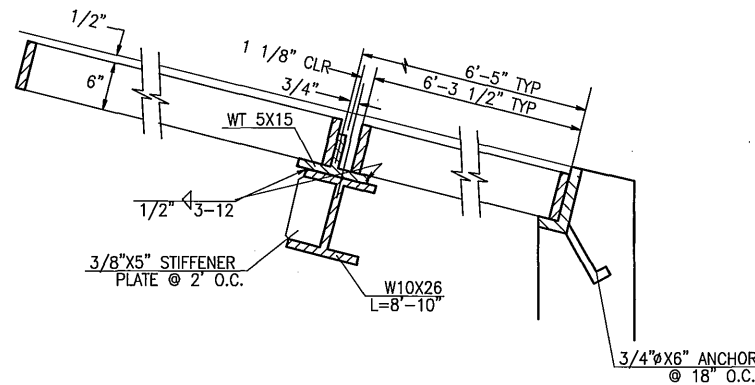
SECTION C1-C1
N.T.S.
SEE SHEET 32



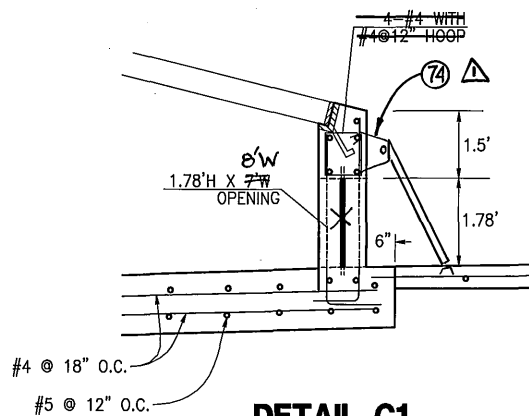
SECTION D1-D1
N.T.S.
SEE SHEET 32



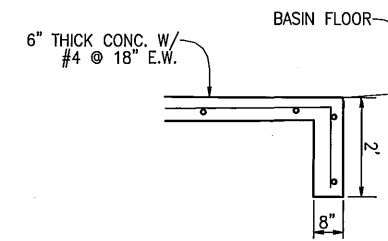
SECTION E1-E1
N.T.S.
SEE SHEET 32



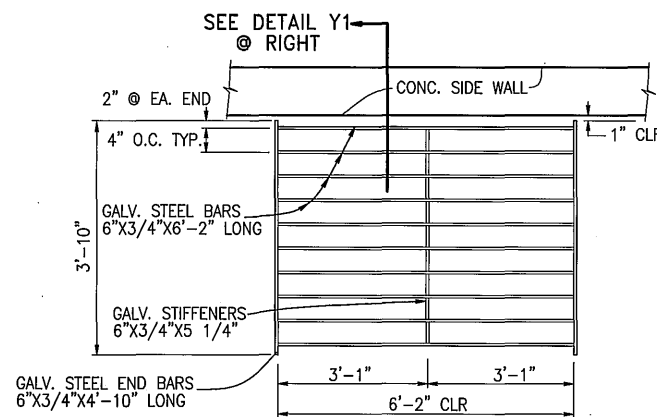
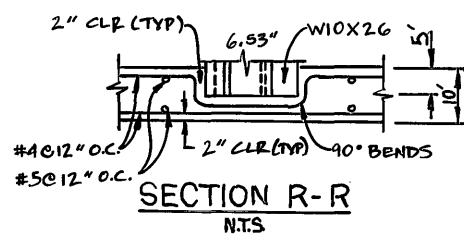
DETAIL B1
N.T.S.
SEE SHEET 32



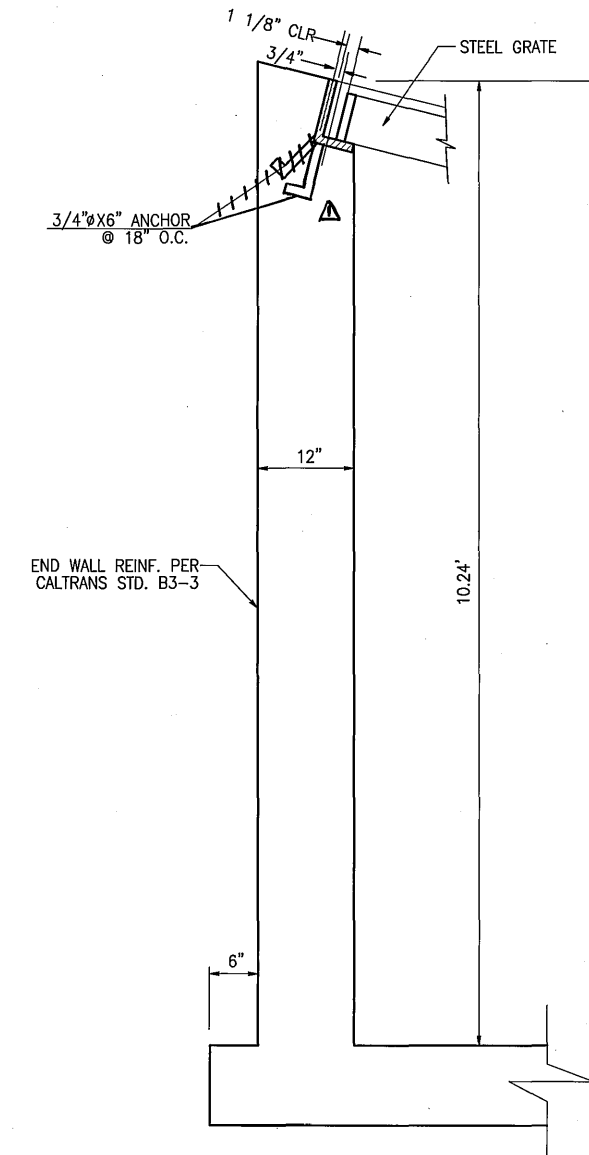
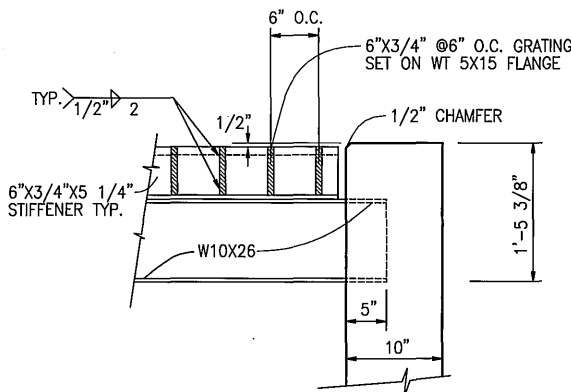
DETAIL C1
N.T.S.
SEE SHEET 32



DETAIL D1
N.T.S.
SEE SHEET 32



DETAIL X1
N.T.S.
ALL BARS IN THE STEEL GRATE SHALL BE GALVANIZED STEEL.
SEE SHEET 32



SECTION F1-F1
N.T.S.
SEE SHEET 32

NOTES

- (73) BEND REBARS AT 90° TO OBTAIN CLEARANCE ACROSS W10X26 WT 5X15. SEE SECTION R-R.
- (74) CONSTRUCT SLOPED PROTECTION BARRIER PER APWA STD DWG 360-2. W_h = W_f = 8'

SEAL-COUNTY

RIVERSIDE COUNTY

TRANSPORTATION DEPARTMENT

APPROVED BY:

Alan French 12/18/07

RECOMMENDED *Alan French* 12-18-07

ALAN D. FRENCH, P.E. DATE

R.C.E. 45702 EXP. 12-31-08 DATE

ALBERT A. WEBB ASSOCIATES

3788 McCRAV ST. RIVERSIDE, CA. 92506

PH. (951) 888-1070

PREPARED BY: *Alan French* DATE: 12/13/07

R.C.E. NO. C44762 EXP. DATE 3-31-08

Don't Dig...Until You Call U.S.A. Toll Free 1-800-227-2600

for the location of buried utility lines.

Don't disrupt vital services.

TWO WORKING DAYS BEFORE YOU DIG

PERMANENT BENCH MARK B.M. NO. S 327-1935

3.9 MI. NW FROM WINCHESTER 3.9 MI. NW ALONG THE TICHISON/TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT WINCHESTER, RIVERSIDE COUNTY, AT MENEFEE SOUND, 186 YDS. NW OF THE SE SWITCH STAND, 72 FT. E. OF MILEPOST 6, 18.5 FT. NE OF THE CENTERLINE OF THE TRACK, AND 4.5 FT. NE OF THE STATION SIGN. STANDING DISK, STAMPED R 327 1935 AND SET IN THE TOP OF A CONCRETE POST.

ELEVATION: 1478.07

REF.	DESCRIPTION	APPR.	DATE
1	ADDED NOTES AND MISC. DETAILS	ALB	7/8/15

DESIGNED BY:

DRAWN BY:

DATE DRAWN:

CHECKED BY:

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

RECOMMENDED FOR APPROVAL BY:

APPROVED BY: *Shant ETKK*

DATE: 12/21/07 DATE: 12-21-2007

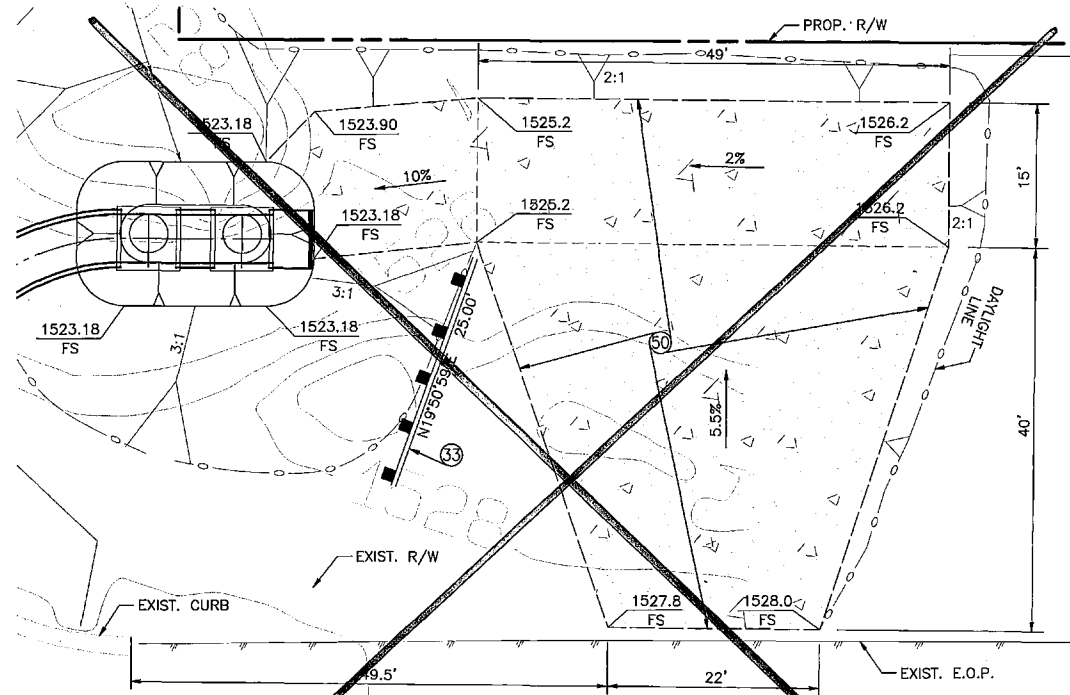
HOMELAND MDP JUNIPER FLATS ROAD DETENTION BASIN

PROJECT NO. 4-0-0347

DRAWING NO. 4-859

SHEET NO. 33 OF 34

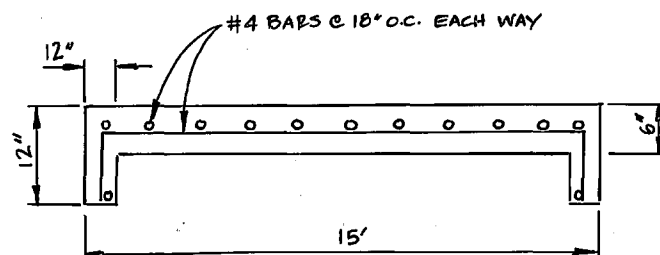
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TURN AROUND GRADING PLAN

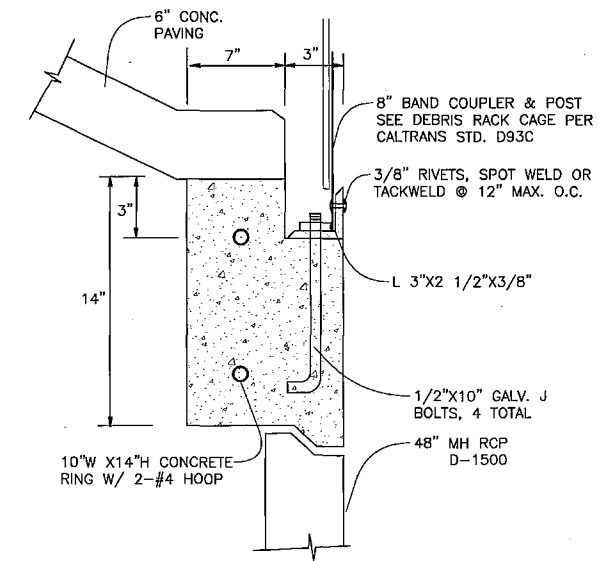
SCALE 1" = 10'
SEE SHEETS 3 & 17

- Ⓢ CONSTRUCT 6" CONC. PAVING W/ #4 BARS, 18" O.C. BOTH WAYS
- Ⓢ INSTALL METAL BEAM GUARD RAILING PER CALTRANS STD. A77A



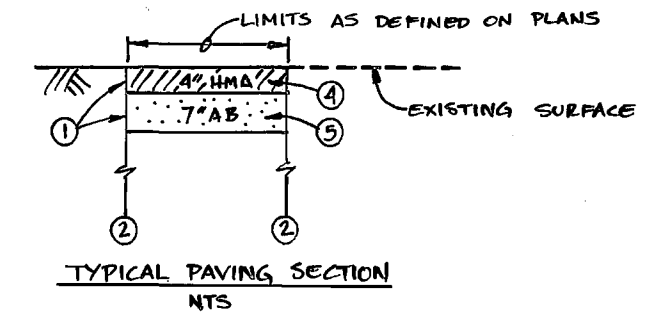
CONCRETE ACCESS RAMP DETAIL

NTS
SEE SHEETS 24 AND 25



DETAIL A
NOT TO SCALE

SEE SHEET 17 (SECTION B-B)



NOTES

- ① SEE SHEET 1 FOR GENERAL PAVING NOTES.
- ② SEE TYPICAL EARTHWORK AND PAYLINE DETAIL ON SHEET 34B.
- ③ TYPICAL PAVING SECTION ON THIS SHEET IS FOR AREAS OUTSIDE OF CALTRANS R/W.
- ④ PAVE WITH "TYPE A" HOT MIX ASPHALT.
- ⑤ PLACE "CLASS 2" AGGREGATE BASE.

G:\2003\05-0338\DWG\PROJ\0338Rim-1.dwg 12/2/2007



ALBERT A. WEBB
3788 McCRAY ST.
RIVERSIDE, CA. 92506
PH. (951) 686-1070
PREPARED BY: *[Signature]* DATE: 12/3/07
R.C.E. NO. C44762 EXP. DATE 3-31-08

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16.5 FT. NE OF THE CENTERLINE OF THE TRACK,
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STANDARD DISK, STAMPED R 327 1935 AND
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ELEVATION: 1478.07

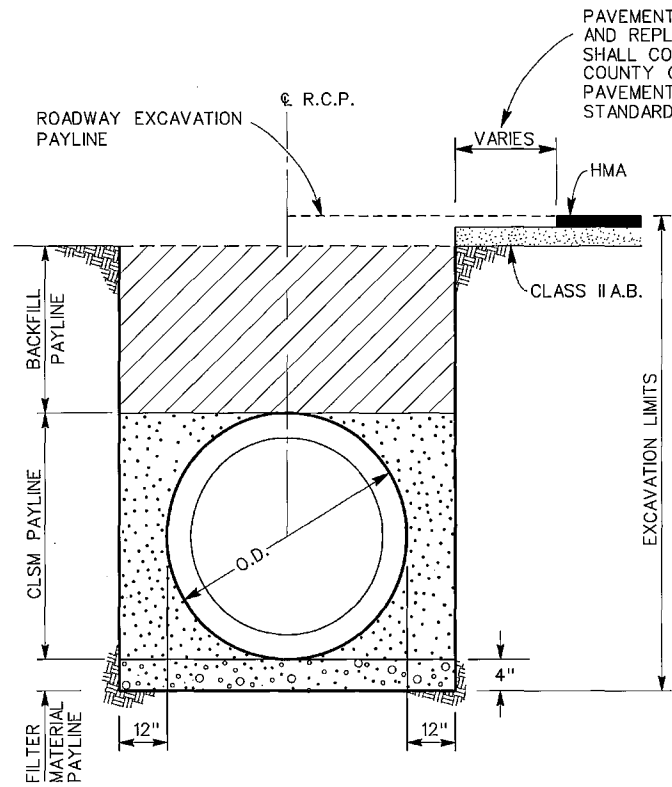
REF.	DESCRIPTION	APPR.	DATE	CHECKED BY:
Δ	ADDED DETAIL	AKG	7/8/15	

DESIGNED BY:
DRAWN BY:
DATE DRAWN: 12/3/2007

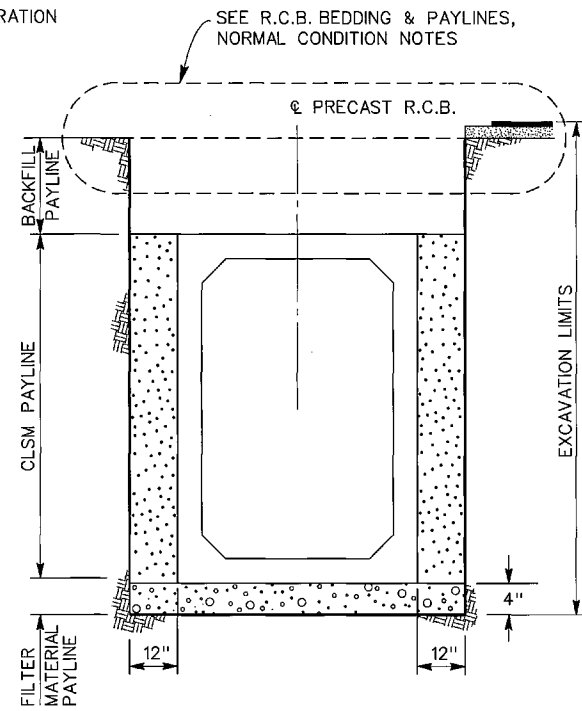
RIVERSIDE COUNTY FLOOD CONTROL
AND
WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY: *[Signature]*
APPROVED BY: *[Signature]*
DATE: 12/2/07 DATE: 12-21-2007

HOMELAND MDP
LINE 1, STAGE 1
TURN AROUND GRADING PLAN AND DETAIL A

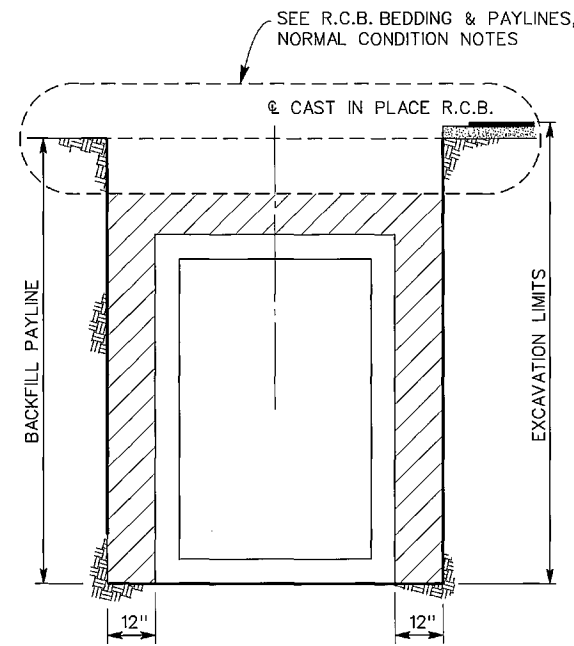
PROJECT NO. 4-0-00345
DRAWING NO. 4-859
SHEET NO. 34A OF 34



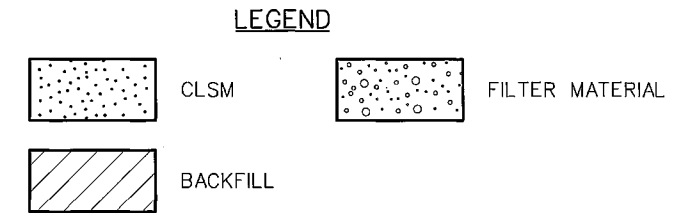
① R.C.P. EARTHWORK & PAYLINES
NORMAL CONDITION



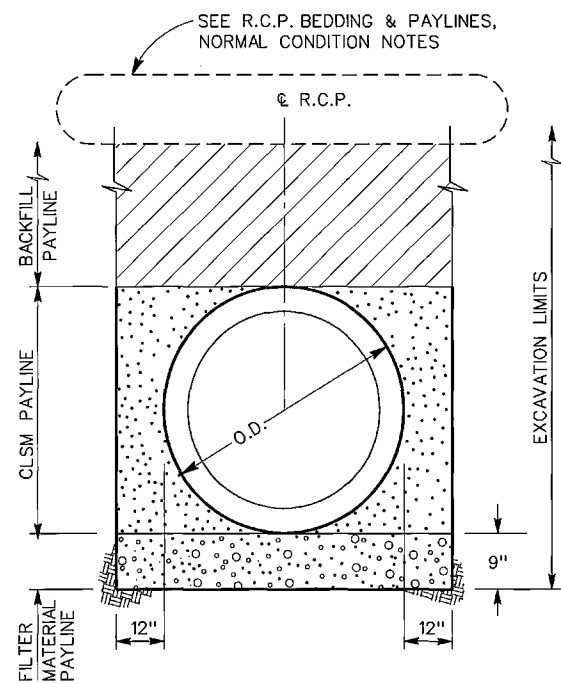
① PRECAST R.C.B. EARTHWORK & PAYLINES
NORMAL CONDITION



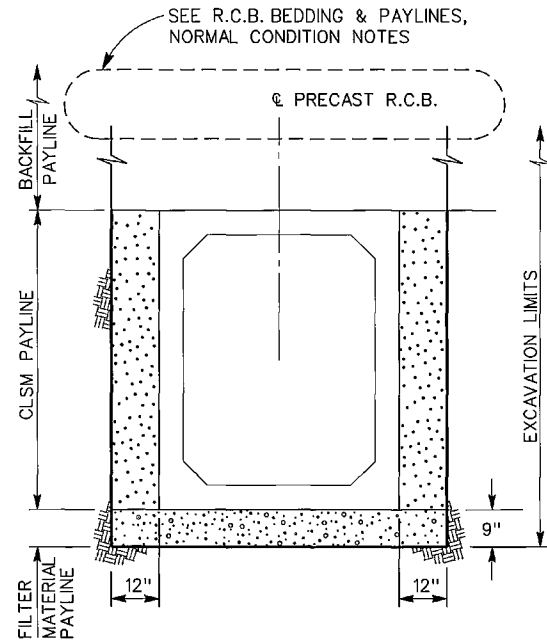
① CAST IN PLACE R.C.B. EARTHWORK PAYLINES
NORMAL CONDITION



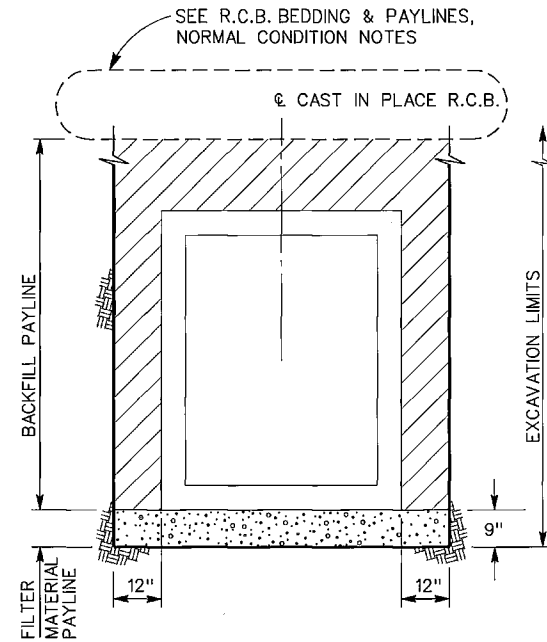
NOTES
① THE NORMAL CONDITION, BEDDING & PAYLINES ARE TO BE USED UNLESS OTHERWISE INDICATED IN THE SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.



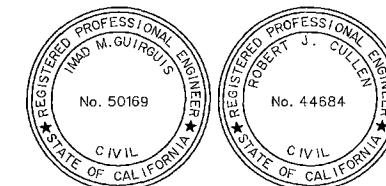
R.C.P. EARTHWORK & PAYLINES
GROUNDWATER CONDITION



R.C.B. EARTHWORK & PAYLINES
GROUNDWATER CONDITION

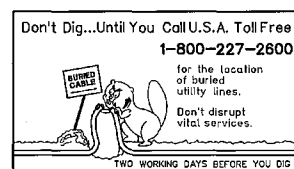


R.C.B. EARTHWORK & PAYLINES
GROUNDWATER CONDITION



NOTES
IF PAVEMENT IS NOT INCLUDED IN EXCAVATION, THE EXCAVATION PAYLINES WILL BE AS SHOWN AT LEFT OF THE ϕ GROUND OR PAVEMENT SURFACE ELEVATIONS WILL BE ESTABLISHED BY FIELD SURVEYS.

CALTRANS PERMIT NUMBER: 08-14-N-DD-1090



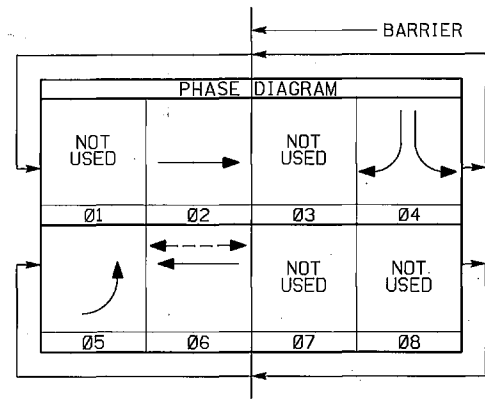
REVISIONS	DESCRIPTION	APPR.	DATE

DESIGNED BY: ROHINI MUSTAFA	RECOMMENDED FOR APPROVAL BY: <i>Smadhi Quignio</i>	APPROVED BY: <i>Robert J. Cullen</i>
DRAWN BY: MICHAEL ARMENTA	DATE: 7/8/15	DATE: 8 July 2015
DATE DRAWN: AUGUST 2014		

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	HOMELAND MDP LINE 1 STAGE 1	PROJECT NO. 4-00345-01
	CLSM, BEDDING AND PAY LINES	DRAWING NO. 4-859
		SHEET NO. 34B OF 34

CONDUCTOR SCHEDULE		RUNS					
		1	2	3	4	5	6
CONDUCTOR CABLE	POLE A			1	1		
	POLE B			1	1	1	
	POLE C			1	1	1	
	POLE F	2(N)	2(N)	2(N)	2(N)		1
	POLE G	1(N)	1(N)	1(N)			
TOTAL CABLES	12	3	6	6	1	1	
12 IISNS	2(N)	2(N)		2	2	2	
10 LUMINAIRE	2(N)	2(N)		2	2	2	
EVP CABLE	1(N)	2(N)	2(N)	2(N)			
DLC	Ø2 DETECTOR		2(N)	2(N)	2(N)		
	Ø4 DETECTOR		2	2	2		
	Ø5 DETECTOR		2(N)	2(N)	2(N)		
	Ø6 DETECTOR			2	2	2	
	Ø8 DETECTOR			1	1	1	
TOTAL		4	9	9	2	3	
CONDUIT SIZE (INCH)	2(N)	3(N)	2-4	2-4	4	4	

(N) NEW NOTE: ALL CONDUITS/CONDUCTORS ARE EXISTING UNLESS OTHERWISE INDICATED.



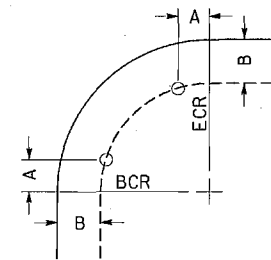
POLE SCHEDULE		STANDARD					LED LUMINAIRE	IISNS LEGEND	SIGNAL MOUNTING			PPB		LOCATION		COMMENTS
		No.	TYPE	HEIGHT	SIG MA	LUM MA			F DIST	VEHICLE	PED	PHASE	QUAD	A	B	
(A)	24-4-100	30'	20'	15'	-	11000 LM	HERITAGE H.S. DRIVE	1-MAS	SV-1-T	SP-1-T	-	-	*	4'	PROTECT IN PLACE	
(B)	TYPE 15TS	30'	-	15'	-	11000 LM	-	-	SV-1-T	-	Ø6	S	*	4'	PROTECT IN PLACE	
(C)	TYPE 15TS	30'	-	15'	-	11000 LM	-	-	SV-2-T	SP-1-T	Ø6	N	*	4'	PROTECT IN PLACE	
(D)	19-4-100 (RS)	30'	25'(RS)	15'(RS)	13'	11000 LM(R)	HERITAGE H.S. DRIVE(R)	2-MAS(R)	SV-2-T(R)	-	-	-	*	4'	SALVAGE POLE & MAST ARMS TO CITY YARD	
(E)	19-4-100 (R)	30'	25'(R)	15'(R)	-	11000 LM(R)	BRIGGS ROAD(R)	1-MAS(R)	SV-2-T(R)	-	-	-	*	4'	RELOCATE POLE & HARDWARE TO NEW FOUNDATION	
(F)	26-4-100 (N)	30'	45' (N)	15' (N)	12'	11000 LM(R)	HERITAGE H.S. DRIVE(R)	2-MAS(R)	SV-2-T(R)	-	-	-	**	4'		
(G)	19-4-100 (R)	30'	25'(R)	15'(R)	-	11000 LM(R)	BRIGGS ROAD(R)	1-MAS(R)	SV-2-T(R)	-	-	-	**	4'	EXISTING POLE & HARDWARE RELOCATED	

* EXISTING POLE LOCATION
** NEW POLE LOCATION

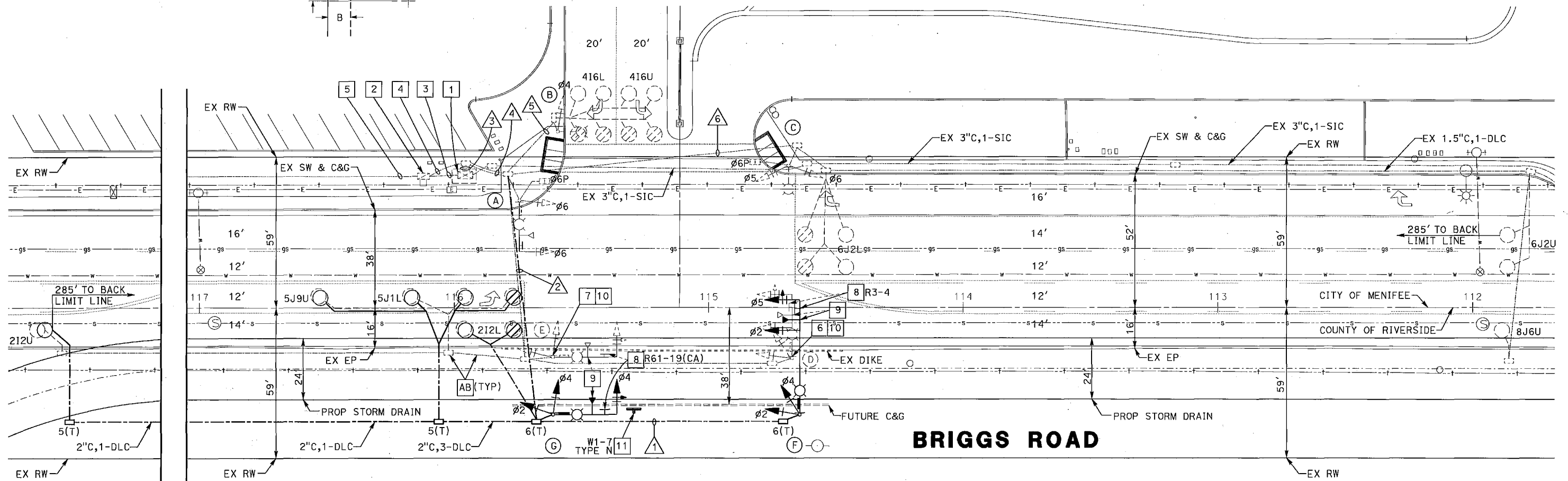
(N) NEW EQUIPMENT
(R) RELOCATE
(RS) REMOVE AND SALVAGE

SIGNAL NUMBER
7488

SERVICE ADDRESS
26601A BRIGGS RD (TC1)
26601B BRIGGS RD (LS3)



HERITAGE HIGH SCHOOL DRIVE



CONSTRUCTION NOTES:

- PROTECT EXISTING 170E CONTROLLER AND TYPE 332 CABINET IN PLACE.
- PROTECT EXISTING 120 / 240 VOLT DUAL METER TYPE III-CF SERVICE EQUIPMENT ENCLOSURE IN PLACE.
- PROTECT EXISTING 2\"/>

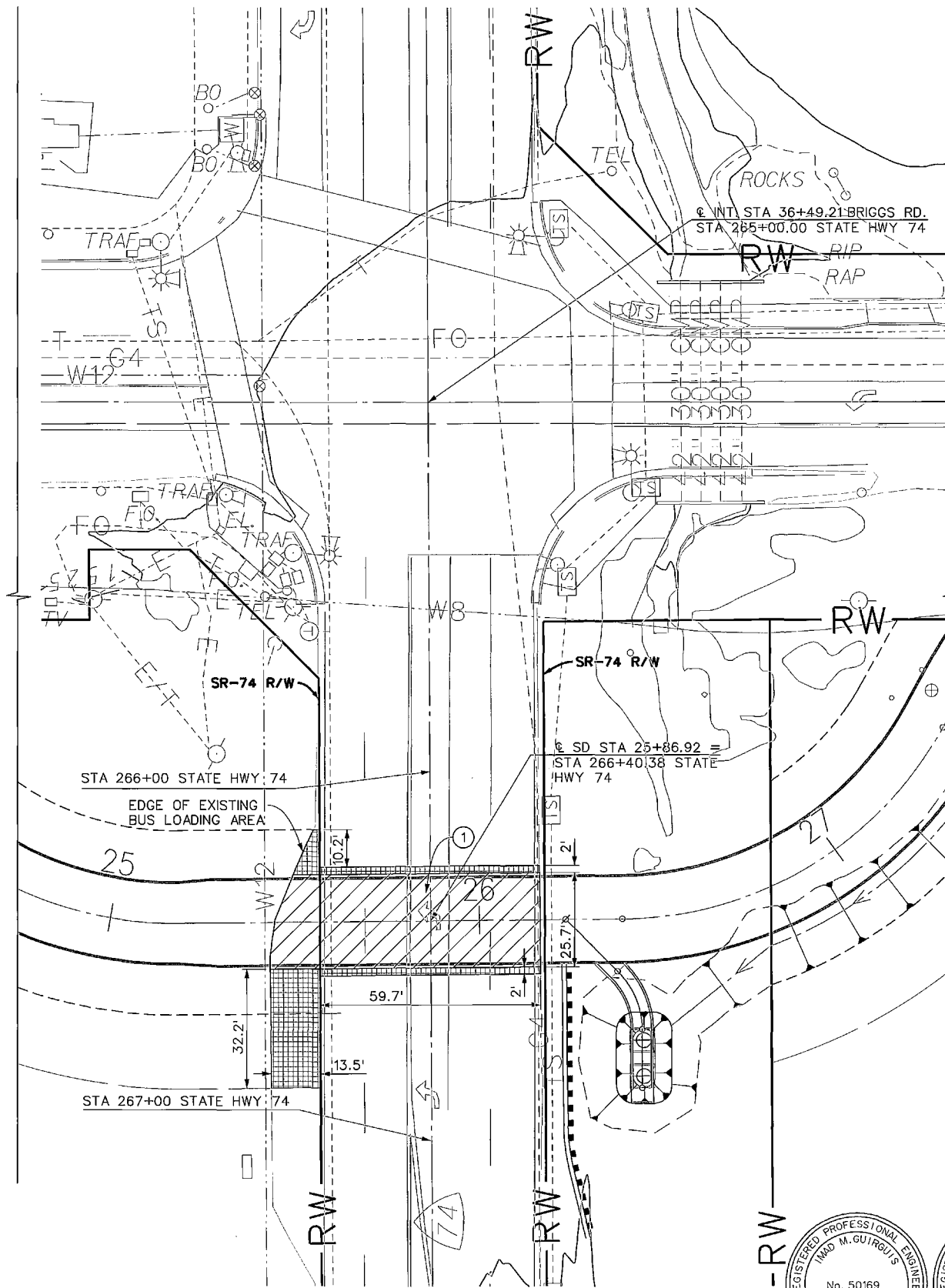
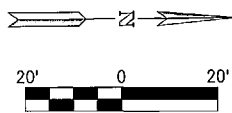
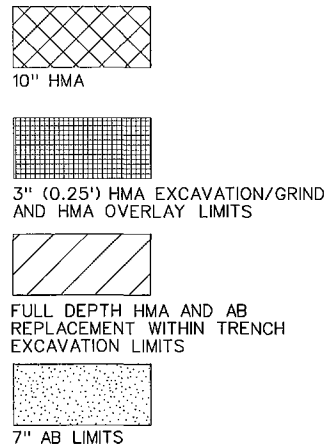
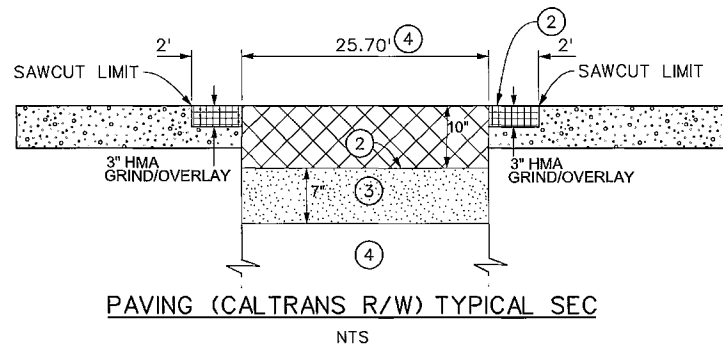
- REMOVE AND SALVAGE EXISTING POLE "D". REMOVE EXISTING FOUNDATION COMPLETELY AND BACKFILL WITH NATIVE MATERIAL TO 95% COMPACTION. RELOCATE SIGNAL HARDWARE AS NOTED IN POLE SCHEDULE.
- RELOCATE EXISTING POLE AND HARDWARE TO NEW FOUNDATION AT POLE "G" LOCATION. REMOVE EXISTING FOUNDATION COMPLETELY AND BACKFILL WITH NATIVE MATERIAL TO 95% COMPACTION.
- RELOCATE EXISTING SIGN TO NEW MAST ARM.
- RELOCATE EVP DETECTOR TO NEW MAST ARM.
- RELOCATE R9-3a SIGN TO NEW SIGNAL POLE.
- FURNISH AND INSTALL NEW SIGN ON 2\"/>

NOTE: ALL ABANDON CONDUIT AND PULL BOXES ON THE EAST SIDE OF BRIGGS ROAD ARE TO BE REMOVED IF CONFLICTING WITH THE NEW RCB AS DIRECTED BY THE ENGINEER.

DESIGNED BY	SIGNAL AND LIGHTING	SHEET No.
APPROVED BY: <i>[Signature]</i>	BRIGGS ROAD & HERITAGE HIGH SCHOOL TRAFFIC SIGNAL MODIFICATION	E-1
DOWLING TSAI PROJECT MANAGER COUNTY OF RIVERSIDE	SCALE: 1"=20'	34C OF 34 SHEET 35 OF 35

CALTRANS PAVING NOTES

- HOT MIX ASPHALT (HMA) SHALL BE TYPE A, WITH 3/4-INCH AGGREGATE GRADATION AND PG 64-28 M ASPHALT BINDER, AND BE CONSTRUCTED IN LIFTS BETWEEN 0.20' AND 0.35' ACCORDING TO CALTRANS SPECIFICATION SECTION 39 AND STANDARD SPECIAL PROVISION 39-2.
- PRIME COAT SHALL BE APPLIED TO THE BASE PRIOR TO PLACING THE HOT MIX ASPHALT. PRIME COAT SHALL CONFORM TO THE LATEST PROVISIONS IN SECTION 93 AND THE CALTRANS STANDARD SPECIAL PROVISION 39-1.03 C(3).
- TACK COAT SHALL BE APPLIED TO EXISTING PAVEMENT INCLUDING PLANED SURFACES, BETWEEN LAYERS OF HMA AND VERTICAL SURFACES OF CURBS, GUTTERS, AND CONSTRUCTION JOINTS. TACK COAT MUST COMPLY WITH THE SPECIFICATIONS FOR ASPHALTIC EMULSION IN SECTION 94, "ASPHALTIC EMULSION," OR ASPHALT BINDER IN SECTION 92, "ASPHALTS."
- RELATIVE COMPACTION OF 95 PERCENT SHALL BE OBTAINED FOR A MINIMUM DEPTH OF 2.5 FEET OF THE SUBGRADE, ACCORDING TO SECTION 19, EARTHWORK, CONTROLLED LOW-STRENGTH MATERIAL (CLSM) SHALL COMPLY WITH SECTION 19-3.02F AND 19-3.03I.
- AGGREGATE BASE SHOULD BE CONSTRUCTED ACCORDING TO SECTION 26, AGGREGATE BASES.



- NOTES**
- SEE PAVING TYPICAL SECTION, THIS SHEET.
 - PAVE WITH 'TYPE A' HOT MIX ASPHALT WITHIN CALTRANS R/W. SEE CALTRANS PAVING NOTES HEREON.
 - PLACE 'CLASS 2' AGGREGATE BASE.
 - SEE TYPICAL EARTHWORK AND PAYLINE DETAIL, CONTROLLED LOW-STRENGTH MATERIAL (CLSM) ON CLSM, BEDDING AND PAYLINE SHEET.
 - ALL SIGNING, STRIPING AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH SECTION 84 OF THE CALTRANS STANDARD SPECIFICATIONS 2010 AND ALL OTHER APPLICABLE FEDERAL, STATE AND LOCAL LAWS.
 - REFER TO CALTRANS GENERAL NOTES ON SHEET 1A.
- NOTE: TYPICAL SECTIONS SHOWN LOOKING DOWN-STATION.

REGISTERED PROFESSIONAL ENGINEER
IMAD M. GUIRGUIS
No. 50169
CIVIL
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
ROBERT J. CULLEN
No. 44684
CIVIL
STATE OF CALIFORNIA

CALTRANS PERMIT NUMBER: 08-14-N-DD-1090

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1-800-227-2600
for the location of buried utility lines.
Don't disrupt vital services.
TWO WORKING DAYS BEFORE YOU DIG

REF.	DESCRIPTION	APPR.	DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: ROHINI MUSTAFA
DRAWN BY: MICHAEL ARMENTA
DATE DRAWN: AUGUST 2014

RECOMMENDED FOR APPROVAL BY: *Imad M. Guirguis*
DATE: 7/8/15

APPROVED BY: *Robert J. Cullen*
DATE: 8 Jun 2015

HOMELAND MDP LINE 1
STAGE 1

PROJECT NO. 4-00345-01
DRAWING NO. 4-859
SHEET NO. P1 OF 34

PAVEMENT RESTORATION

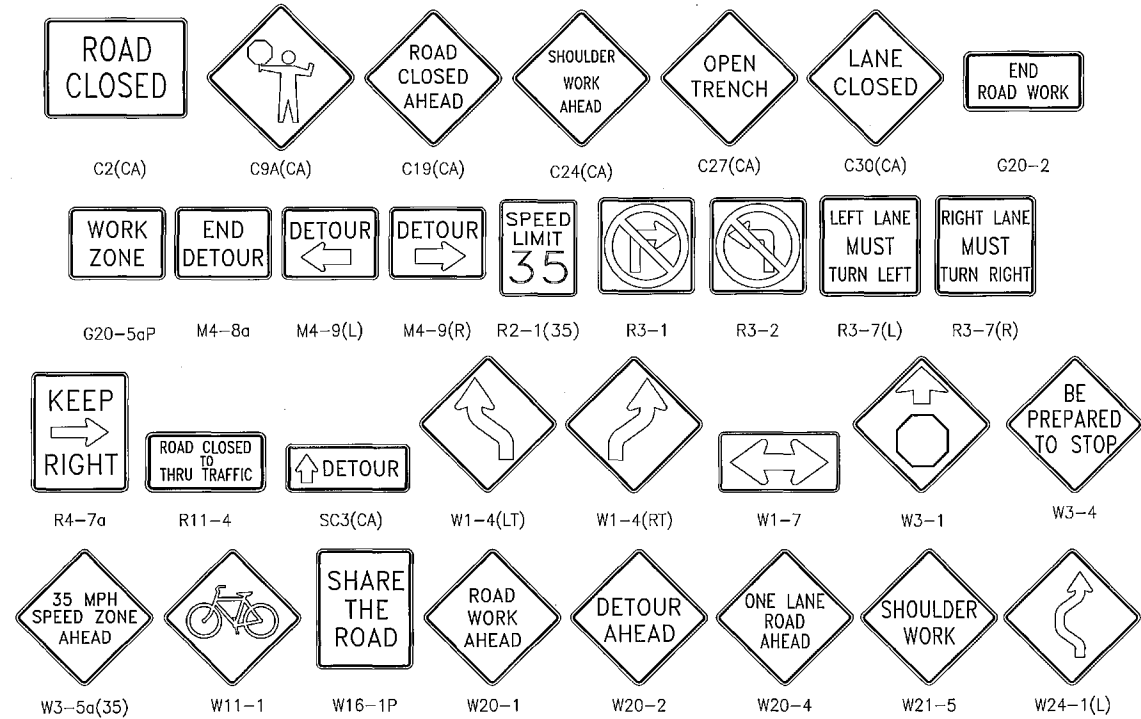
ROMOLAND MDP LINE 1, STAGE 1 TEMPORARY TRAFFIC CONTROL PLANS BRIGGS ROAD AND WATSON ROAD

GENERAL NOTES

1. ALL ITEMS TO BE FURNISHED AND ALL WORK TO BE DONE SHALL CONFORM TO THE REQUIREMENTS OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS AND STANDARD SPECIFICATIONS 2010, THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA-MUTCD) 2014, AND COUNTY OF RIVERSIDE.
2. TRAFFIC CONTROL SHOWN HEREIN IS THE MINIMUM REQUIRED. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNAL EQUIPMENT, TRAFFIC SIGNS, BARRICADES, AND TEMPORARY PAVEMENT MARKINGS MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ANY ADDITIONAL DEVICES NECESSARY TO ASSURE PUBLIC SAFETY AND TRAFFIC FLOW AT ALL TIMES DURING CONSTRUCTION.
3. THE CONTRACTOR SHALL FURNISH AND PROPERLY INSTALL, CONSTRUCT, ERECT, USE AND CONTINUOUSLY INSPECT AND MAINTAIN, TWENTY-FOUR (24) HOURS PER DAY, SEVEN (7) DAYS PER WEEK, WHICH INCLUDES HOLIDAYS, ALL SAID DEVICES, EQUIPMENT AND MATERIALS AND ALL TEMPORARY AND PERMANENT PEDESTRIAN AND DRIVING SURFACES AS NECESSARY TO PROVIDE FOR THE SAFETY AND CONVENIENCE OF, AND TO PROPERLY WARN, GUIDE, CONTROL, REGULATE, CHANNELIZE AND PROTECT THE VEHICULAR TRAFFIC, PEDESTRIAN TRAFFIC, PROTECT WORKERS, AND THE PUBLIC THROUGHOUT THE ENTIRE LIMITS OF THE WORK ACTIVITY AND BEYOND SAID LIMITS AS NECESSARY TO INCLUDE AREAS AFFECTING OR AFFECTED BY THE WORK, FROM THE DATE OF NOTICE TO PROCEED TO THE COMPLETION AND ACCEPTANCE OF THE WORK.
4. ANY CONTRACTOR PERFORMING WORK ON THIS PROJECT SHALL FAMILIARIZE HIMSELF WITH THIS SITE AND SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES RESULTING DIRECTLY OR INDIRECTLY FROM THEIR OPERATIONS, WHETHER OR NOT SUCH FACILITIES ARE SHOWN ON THESE PLANS.
5. ANY REVISIONS TO THESE DRAWINGS SHALL BE APPROVED IN WRITING BY THE ENGINEER OF RECORD AND THE AGENCY HAVING JURISDICTION.
6. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND A BUSINESS LICENSE FROM THE COUNTY BEFORE BEGINNING ANY WORK IN ROAD RIGHT-OF-WAY.
7. NO EQUIPMENT OR MATERIAL SHALL BE STORED IN THE COUNTY RIGHT-OF-WAY.
8. CONTRACTOR SHALL CONTACT THE COUNTY REPRESENTATIVE AT LEAST SEVEN (7) DAYS IN ADVANCE OF PLACING TRAFFIC CONTROL EQUIPMENT FOR APPROVAL.
9. ALL ADJACENT BUSINESSES, SCHOOLS, RESIDENCES, AND CHURCHES SHALL BE DULY NOTIFIED BY THE CONTRACTOR, IN WRITING, OF HIS PROPOSED OPERATIONS. NOTICE SHALL BE DELIVERED AT LEAST SEVEN (7) WORKING DAYS PRIOR TO START OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPRODUCTION OF NOTIFICATION LETTERS. RE-NOTIFICATION WILL BE REQUIRED IF THE CONTRACTOR'S SCHEDULE IS ALTERED OR OTHER DELAYS OCCUR WHICH AFFECT THE PROJECT SCHEDULE.
10. ACCESS TO BUSINESSES, RESIDENCES, SCHOOLS AND CHURCHES SHALL REMAIN OPEN AT ALL TIMES UNLESS OTHERWISE AUTHORIZED. ACCESS CLOSURE SHALL BE SCHEDULED WITH THE PROPERTY OWNERS AND APPROVED BY THE COUNTY.
11. CONTRACTOR SHALL COVER EXISTING TRAFFIC SIGNS, TRAFFIC SIGNALS, OR PEDESTRIAN SIGNAL INDICATIONS SHOULD SAID CONTROLS CONFLICT WITH TEMPORARY TRAFFIC CONTROL PLAN OR AS DIRECTED BY THE COUNTY.
12. TEMPORARY PAVEMENT DELINEATION SHALL BE FURNISHED, PLACED, MAINTAINED, AND REMOVED IN ACCORDANCE WITH THE PROVISIONS IN SECTION 12-3.01, "GENERAL," OF THE CALTRANS STANDARD SPECIFICATIONS. CONTRACTOR SHALL USE REMOVABLE PREFORMED PLASTIC MARKINGS FOR PAVEMENT DELINEATION.
13. WHENEVER THE WORK CAUSES OBLITERATION OF PAVEMENT DELINEATION, TEMPORARY OR PERMANENT PAVEMENT DELINEATION SHALL BE IN PLACE PRIOR TO OPENING THE TRAVELED WAY TO PUBLIC TRAFFIC. LANE LINES AND CENTERLINE PAVEMENT DELINEATION SHALL BE PROVIDED AT ALL TIMES FOR TRAVELED WAYS OPEN TO THE PUBLIC TRAFFIC.
14. CONTRACTOR SHALL REPLACE/REPAIR ANY AND ALL STRIPING, PAVEMENT MARKINGS, RAISED PAVEMENT MARKERS, AND CURB PAINT DISRUPTED OR REMOVED DURING THE CONSTRUCTION TO THE SATISFACTION OF THE COUNTY ENGINEER.
15. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED FOLLOWING COMPLETION OF CONSTRUCTION AND THE PERMANENT TRAFFIC CONTROL DEVICES SHALL BE RESTORED BY THE CONTRACTOR UPON COMPLETION OF PROJECT.
16. ALL ADVANCED WARNING SIGNS SHALL BE EQUIPPED WITH FLAGS.
17. FLASHING YELLOW BEACONS, TYPE -B SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE-III BARRICADES GUARDING THE WORK AREA OVERNIGHT.

18. TRAFFIC SIGNALS SHALL REMAIN IN OPERATION AT ALL TIMES. SIGNAL OPERATION MODIFICATION DURING CONSTRUCTION SHALL BE COORDINATED WITH AND APPROVED BY THE COUNTY AND CITY OF MENEFEE FOR THE TRAFFIC SIGNAL AT BRIGGS ROAD & HERITAGE HIGH SCHOOL SEVEN (7) DAYS IN ADVANCE. COUNTY TRAFFIC SIGNAL MAINTENANCE CAN BE REACHED AT 951-955-6894.
19. CONTRACTOR IS RESPONSIBLE TO PROVIDE QUALIFIED TRAFFIC SIGNAL CONTRACTOR TO MODIFY AND MAINTAIN TRAFFIC SIGNAL DURING CONSTRUCTION.
20. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AS RELATED TO PEDESTRIAN ACCESS AND SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES PER ADA REQUIREMENTS. SIDEWALK CLOSURE/DETOUR SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES 2014 AND SHALL OBTAIN APPROVAL FROM THE COUNTY.
21. PROPERLY TRAINED AND EXPERIENCED FLAGGERS SHALL BE PROVIDED TO DIRECT TRAFFIC WHEN SAID TRAFFIC IS TO BE INTERRUPTED, WHEN TWO-WAY TRAFFIC IS TO BE REDUCED TO ONE-WAY TRAFFIC, AND AT OTHER SUCH TIMES AS IS NECESSARY TO SAFELY PASS TRAFFIC THROUGH OR AROUND THE WORK AREA AND WHEN SO DIRECTED BY THE ENGINEER.
22. CONSTRUCTION TRUCK TRAFFIC MERGING INTO TRAFFIC LANES SHALL BE BY USE OF FLAGGERS AND APPROPRIATE SIGNAGE.
23. THE COUNTY MAY REQUIRE ADDITIONAL TRAFFIC CONTROL IN SCHOOL ZONES, IF SCHOOLS ARE IN SESSION.
24. TRAFFIC CONTROL WITHIN THE STATE RIGHT-OF-WAY SHALL BE TO STATE STANDARDS. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL TRAFFIC CONTROL DEVICES AS NECESSARY TO MAINTAIN PUBLIC SAFETY.
25. CONTRACTOR SHALL PROTECT IN PLACE ANY TRAFFIC SIGNAL INTERCONNECT CONDUIT AND WIRING ALONG HIGHWAY 74. IF PERMIT PROJECT COMES IN CLOSE PROXIMITY OF CONDUITS IN THE CALTRANS RIGHT-OF-WAY, A CALTRANS REPRESENTATIVE MUST BE PRESENT TO INSPECT THE JOB TO ENSURE THAT THE CONDUITS OR WIRING WILL NOT BE DAMAGED.
26. ENSURE THAT WORK VEHICLES OR EQUIPMENT SHOULD NOT BE PARKED WITHIN 6 FEET OF TRAFFIC LANE TO PERFORM ACTIVE CONSTRUCTION.
27. THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES (UTILITIES PIPES, STRUCTURES, ETC.) SHOWN ON THESE PLANS (MAIN LINES ONLY - NO SERVICE LATERALS) WERE ASCERTAINED BY A REVIEW OF RECORDS PROVIDED BY THESE MEMBERS AGENCIES AND ARE APPROXIMATE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN.
28. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITIES SHOWN ON THESE PLANS AND/OR ANY OTHER UNDERGROUND UTILITIES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
29. CALL UNDERGROUND SERVICE ALERT (U.S.A.) 1-800-422-4133 AT LEAST 2 WORKING DAYS PRIOR TO EXCAVATION.
30. THE CONTRACTOR SHALL POST R26(CA) "NO PARKING ANY TIME" SIGNS ALONG WORK AREAS AT LEAST 48 HOURS PRIOR TO BEGINNING OF WORK.

SIGN LEGEND

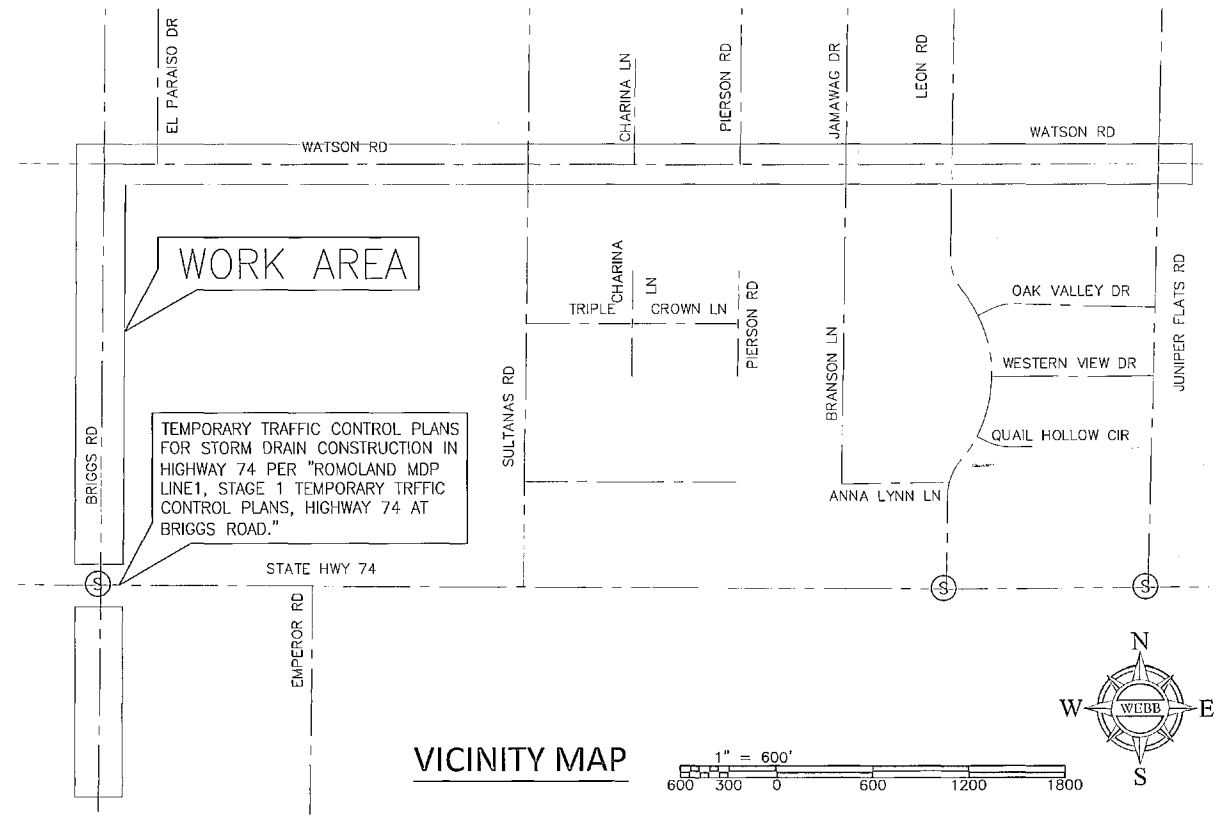


LEGEND

- PORTABLE SIGN
- TYPE III BARRICADE WITH SIGN
- FLASHING ARROW BOARD
- CHANGEABLE MESSAGE SIGN
- DELINEATORS
- FLAGGER
- DIRECTION OF TRAFFIC (NOT A PAVEMENT MARKING)
- WORK AREA
- SIGNALIZED INTERSECTION

SHEET INDEX

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PHASE 1 - BRIGGS S/O HWY 74	SHEET 2
PHASE 2 - BRIGGS S/O HWY 74	SHEET 3
PHASE 3 - BRIGGS S/O HWY 74	SHEET 4
PHASE 4 - BRIGGS N/O HWY 74	SHEET 5
PHASE 5 - BRIGGS N/O HWY 74	SHEET 6
PHASE 6 - BRIGGS N/O HWY 74	SHEET 7
PHASE 7 - BRIGGS N/O HWY 74	SHEET 8
PHASE 8 - BRIGGS AND WATSON	SHEET 9
PHASE 9 - WATSON E/O BRIGGS	SHEET 10
PHASE 10 - SULTANAS ROAD	SHEET 11
PHASE 11 - WATSON E/O SULTANAS	SHEET 12
PHASE 12 - LEON ROAD	SHEET 13
PHASE 13 - WATSON E/O LEON	SHEET 14
PHASE 14 - JUNIPER FLATS ROAD	SHEET 15
PHASE 15 - JUNIPER FLATS ROAD	SHEET 16



BENCHMARK
B.M. NO. S 327-1935
3.9 MI. NW FROM WINCHESTER
3.9 MI. NW ALONG THE ATCHISON, TOPEKA
AND SANTA FE RAILWAY FROM THE STATION
AT WINCHESTER, RIVERSIDE COUNTY, AT
MENEFEE SIDING, 190 YARDS, NW OF THE SE
SWITCH STAND, 72 FT. E OF MILEPOST 6,
16.5 FT. NE OF THE CENTERLINE OF THE TRACK,
AND 4.5 FT. NW OF THE STATION SIGN, A
STANDARD DISK, STAMPED R 327 1935 AND SET
IN THE TOP OF A CONCRETE POST.

REVISIONS	ENGINEER	RCFC/	DESIGNED BY:
REF.	DESCRIPTION	APPR.	DATE

DESIGNED BY:	
DRAWN BY:	
DATE DRAWN:	

APPROVED BY:
ALBERT A. WEBB
ENGINEERING CONSULTANTS
3788 McCRAY STREET
RIVERSIDE CA. 92506
PH. (951) 686-1070
FAX (951) 788-1256
DATE: 5/29/15

REGISTERED PROFESSIONAL ENGINEER
DILESH R. SHEETH
No. 659078
CIVIL
STATE OF CALIFORNIA

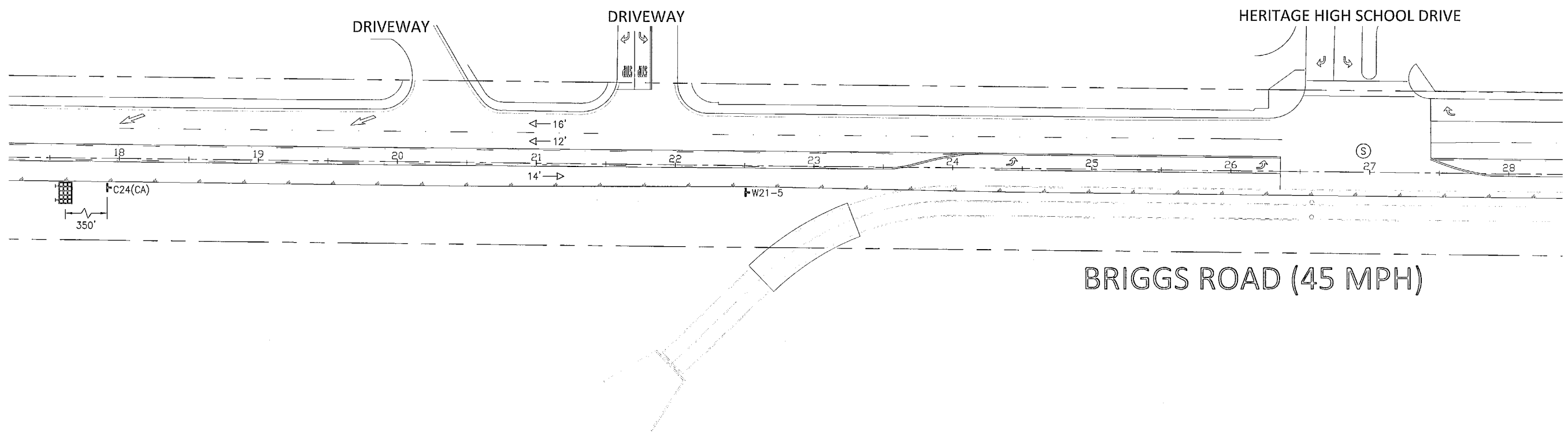
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY: **SMADH O... 7/8/15**
APPROVED BY: **RLH/CL 8 July 2015**

COUNTY OF RIVERSIDE TRANSPORTATION DEPARTMENT
APPROVED BY: **Alan French 7-13-15**
ALAN FRENCH DATE: 7-13-15

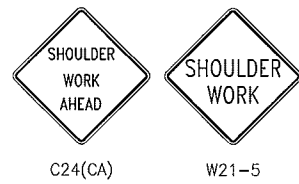
TRAFFIC CONTROL PLANS
HOMELAND MDP LINE 1, STAGE 1
TITLE SHEET

PROJECT NO. 2014-0142
DRAWING NO. 4-859
SHEET NO. T1 OF T23

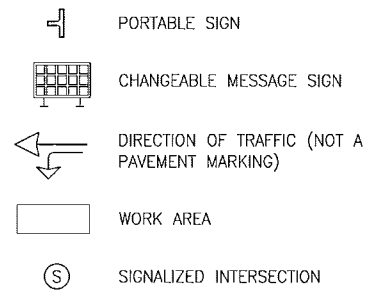
HOMELAND MDP LINE 1, STAGE 1 TEMPORARY TRAFFIC CONTROL PLANS: BRIGGS ROAD - PHASE 1



SIGN LEGEND



LEGEND



Don't Dig...Until You Call U.S.A. Toll Free
1-800-227-2600

for the location of buried utility lines.
Don't disrupt vital services.

Two Working Days Before You Dig

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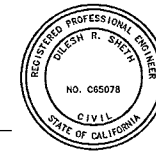
REF.	DESCRIPTION	APPR.	DATE	APPR.	DATE

DESIGNED BY:
DRAWN BY:
DATE DRAWN:

APPROVED BY:
ALBERT A. WEBB
ASSOCIATES
Albert Webb
DILESH SINGH, RCE #65078

ENGINEERING CONSULTANTS
3788 McCRAY STREET
RIVERSIDE CA. 92506
PH. (951) 686-1070
FAX (951) 788-1256

Sibal
DATE: 7/8/15



RIVERSIDE COUNTY FLOOD CONTROL
AND
WATER CONSERVATION DISTRICT

RECOMMENDED FOR APPROVAL BY:
Smadhu
DATE: 7/8/15

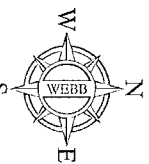
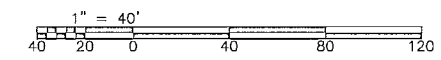
APPROVED BY:
Alan French
DATE: 8 July 2015

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT

APPROVED BY:
Alan French
ALAN FRENCH
DATE: 7-13-15

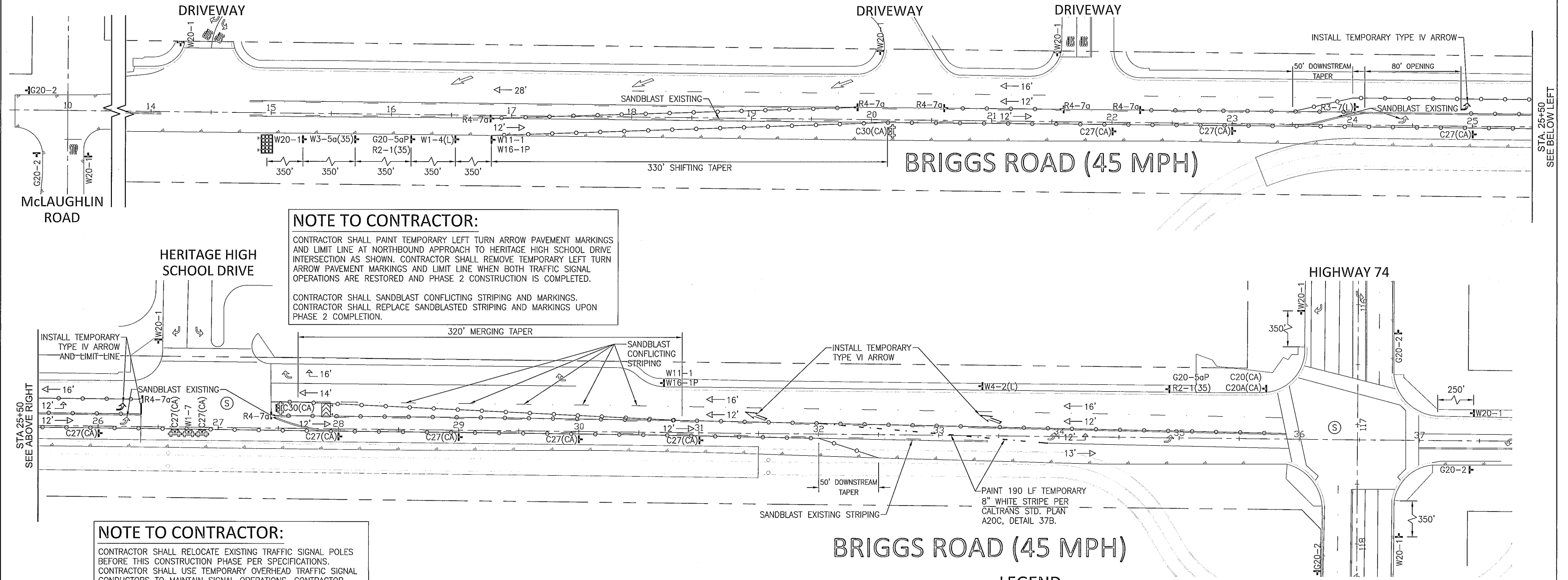
TRAFFIC CONTROL PLANS
HOMELAND MDP
LINE 1, STAGE 1
PHASE 1- BRIGGS ROAD

PROJECT NO. 2014-0142
DRAWING NO. 4-859
SHEET NO. T2 OF T23



HOMELAND MDP LINE 1, STAGE 1

TEMPORARY TRAFFIC CONTROL PLANS: BRIGGS ROAD - PHASE 2

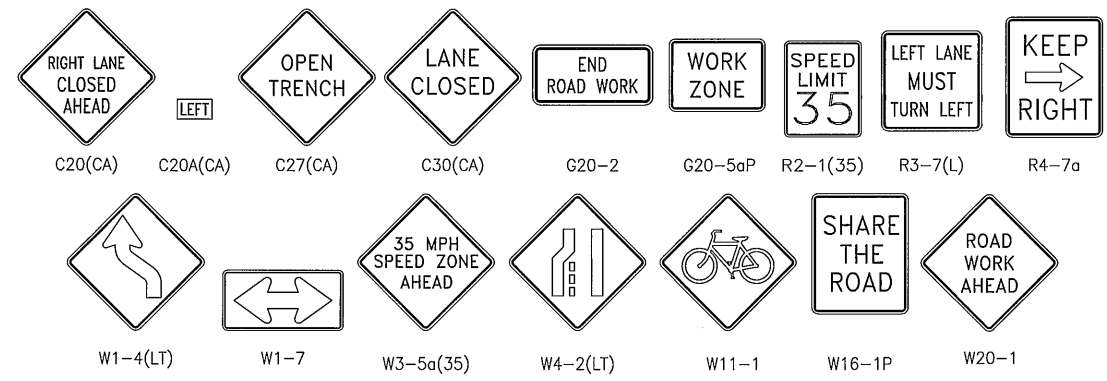


NOTE TO CONTRACTOR:
 CONTRACTOR SHALL PAINT TEMPORARY LEFT TURN ARROW PAVEMENT MARKINGS AND LIMIT LINE AT NORTHBOUND APPROACH TO HERITAGE HIGH SCHOOL DRIVE INTERSECTION AS SHOWN. CONTRACTOR SHALL REMOVE TEMPORARY LEFT TURN ARROW PAVEMENT MARKINGS AND LIMIT LINE WHEN BOTH TRAFFIC SIGNAL OPERATIONS ARE RESTORED AND PHASE 2 CONSTRUCTION IS COMPLETED.

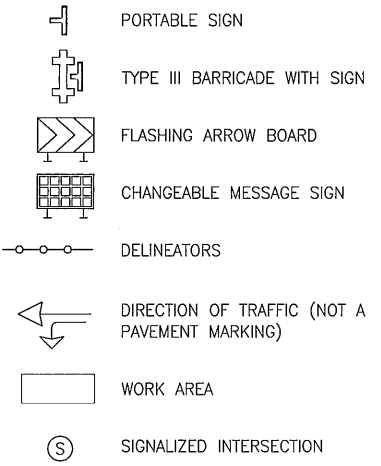
 CONTRACTOR SHALL SANDBLAST CONFLICTING STRIPING AND MARKINGS. CONTRACTOR SHALL REPLACE SANDBLASTED STRIPING AND MARKINGS UPON PHASE 2 COMPLETION.

NOTE TO CONTRACTOR:
 CONTRACTOR SHALL RELOCATE EXISTING TRAFFIC SIGNAL POLES BEFORE THIS CONSTRUCTION PHASE PER SPECIFICATIONS. CONTRACTOR SHALL USE TEMPORARY OVERHEAD TRAFFIC SIGNAL CONDUCTORS TO MAINTAIN SIGNAL OPERATIONS. CONTRACTOR SHALL INSTALL A TEMPORARY VIDEO DETECTION SYSTEM FOR THE DURATION OF PHASE 2 CONSTRUCTION. TEMPORARY VIDEO DETECTION SYSTEM SHALL BE REMOVED UPON INSTALLATION OF VEHICLE DETECTION LOOPS. CONTRACTOR SHALL INSTALL VEHICLE DETECTION LOOPS AND CONDUIT RUNS WHEN STORM DRAIN CONSTRUCTION NEAR INTERSECTION IS COMPLETED. TRAFFIC SIGNAL SHALL BE FULLY OPERATIONAL WITH WORKING VEHICLE DETECTION LOOPS PRIOR TO END OF PHASE 2 CONSTRUCTION.

SIGN LEGEND



LEGEND



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BENCHMARK
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 16.5 FT. NE OF THE CENTERLINE OF THE TRACK,
 AND 4.5 FT. NW OF THE STATION SIGN. A
 STANDARD DISK, STAMPED R 327 1935 AND SET
 IN THE TOP OF A CONCRETE POST.

REF.	DESCRIPTION	APPR.	DATE	APPR.	DATE

DESIGNED BY:
 DRAWN BY:
 DATE DRAWN:

APPROVED BY:
ALBERT A. WEBB
 ASSOCIATES
 ENGINEERING CONSULTANTS
 3788 McCRAY STREET
 RIVERSIDE CA, 92506
 PH. (951) 686-1070
 FAX (951) 788-1256
 DATE: 8/15/15
 DILESH SHETH, RCE #65078

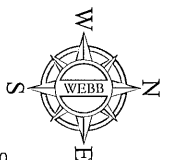
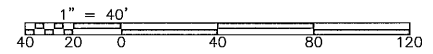


RIVERSIDE COUNTY FLOOD CONTROL
 AND
 WATER CONSERVATION DISTRICT
 RECOMMENDED FOR APPROVAL BY:
Smadhl Quignio
 DATE: 7/8/15
 APPROVED BY:
Robert V. Hill
 DATE: 8 July 2015

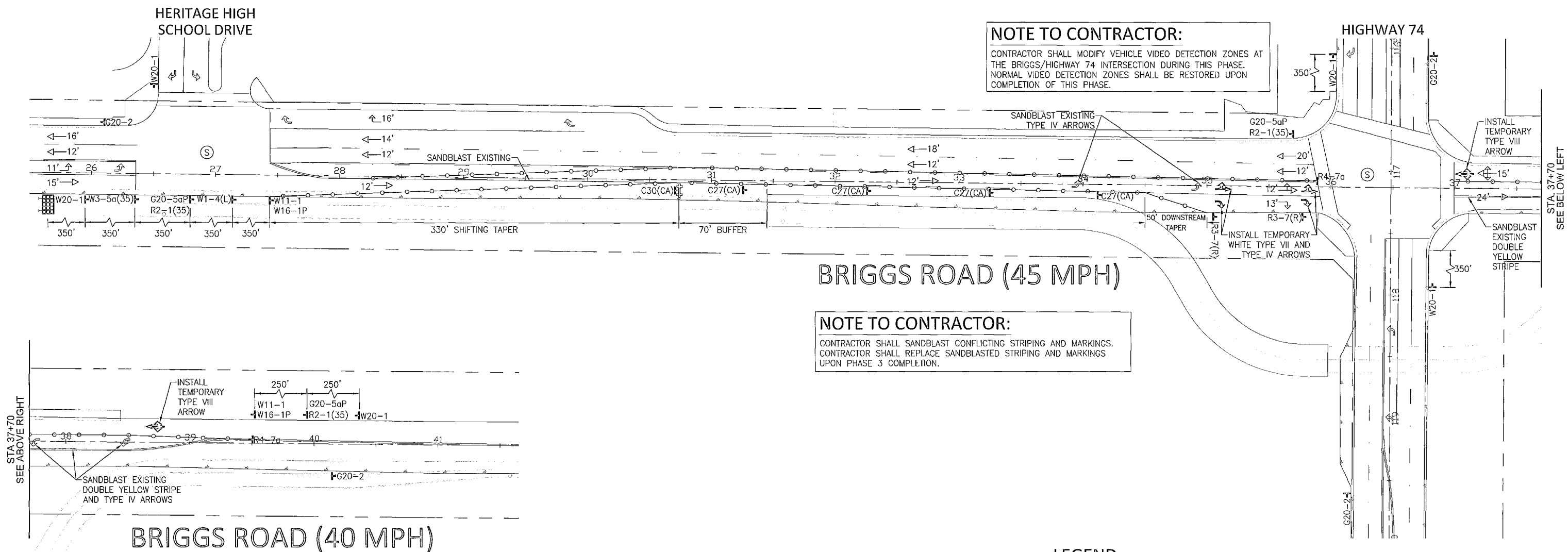
COUNTY OF RIVERSIDE
 TRANSPORTATION DEPARTMENT
 APPROVED BY:
Alan French
 ALAN FRENCH
 DATE: 7-13-15

TRAFFIC CONTROL PLANS
 HOMELAND MDP
 LINE 1, STAGE 1
 PHASE 2 - BRIGGS ROAD

PROJECT NO.
 2014-0142
 DRAWING NO.
 4-859
 SHEET NO.
 T3 OF T23



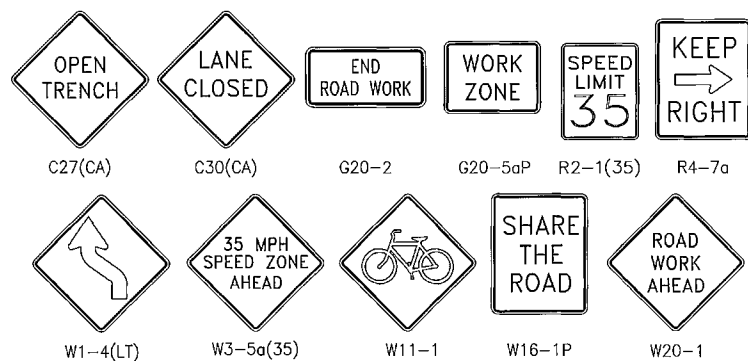
HOMELAND MDP LINE 1, STAGE 1 TEMPORARY TRAFFIC CONTROL PLANS: BRIGGS ROAD - PHASE 3



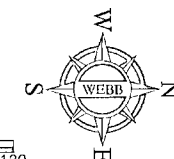
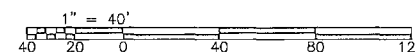
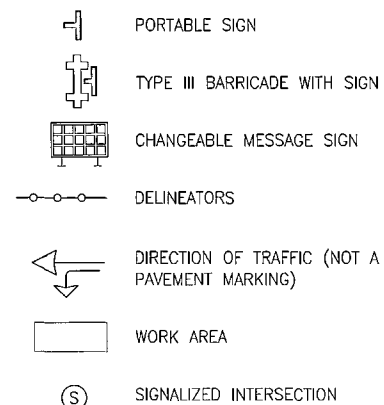
NOTE TO CONTRACTOR:
CONTRACTOR SHALL MODIFY VEHICLE VIDEO DETECTION ZONES AT THE BRIGGS/HIGHWAY 74 INTERSECTION DURING THIS PHASE. NORMAL VIDEO DETECTION ZONES SHALL BE RESTORED UPON COMPLETION OF THIS PHASE.

NOTE TO CONTRACTOR:
CONTRACTOR SHALL SANDBLAST CONFLICTING STRIPING AND MARKINGS. CONTRACTOR SHALL REPLACE SANDBLASTED STRIPING AND MARKINGS UPON PHASE 3 COMPLETION.

SIGN LEGEND



LEGEND



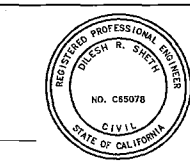
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IN THE TOP OF A CONCRETE POST.

REF.	DESCRIPTION	APPR.	DATE	APPR.	DATE

DESIGNED BY:
DRAWN BY:
DATE DRAWN:

APPROVED BY:
ALBERT A. WEBB
ASSOCIATES
ENGINEERING CONSULTANTS
3788 McCRAV STREET
RIVERSIDE CA, 92506
PH. (951) 686-1070
FAX (951) 788-1256
DILESH SHETH, PCE #65078
DATE: 7/8/15



RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY:
[Signature]
DATE: 7/8/15
APPROVED BY:
[Signature]
DATE: 8/13/15

COUNTY OF RIVERSIDE TRANSPORTATION DEPARTMENT
APPROVED BY:
Alan French
ALAN FRENCH
DATE: 7-13-15

TRAFFIC CONTROL PLANS
HOMELAND MDP LINE 1, STAGE 1
PHASE 3 - BRIGGS ROAD

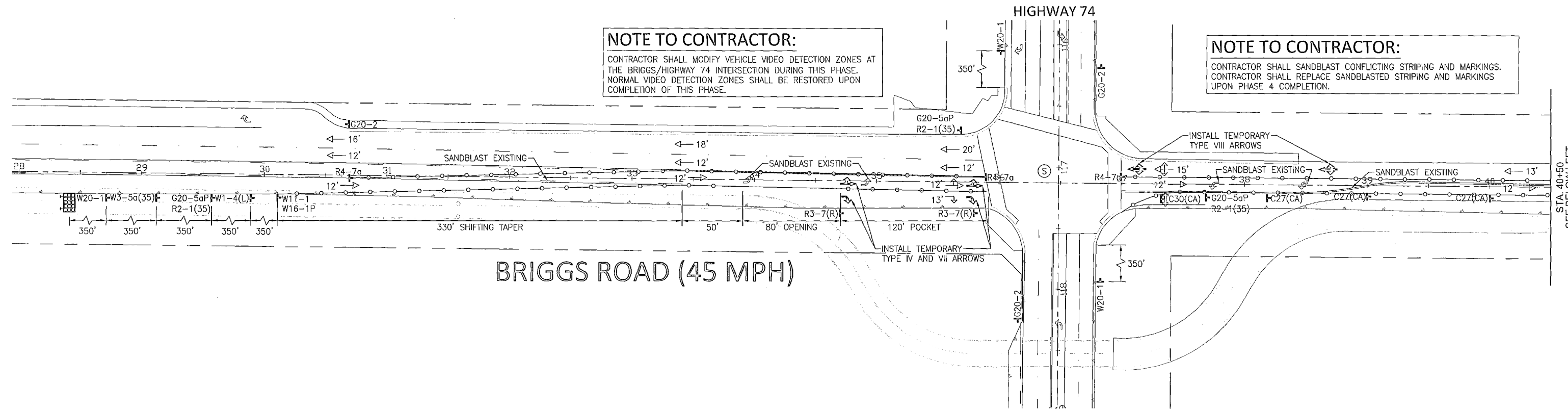
PROJECT NO. 2014-0142
DRAWING NO. 4-859
SHEET NO. T4 OF T23

HOMELAND MDP LINE 1, STAGE 1

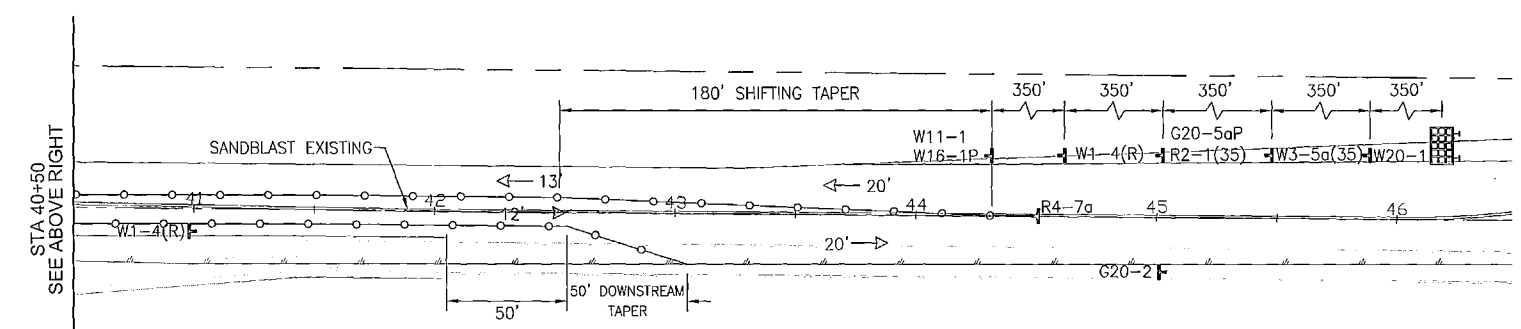
TEMPORARY TRAFFIC CONTROL PLANS: BRIGGS ROAD - PHASE 4

NOTE TO CONTRACTOR:
 CONTRACTOR SHALL MODIFY VEHICLE VIDEO DETECTION ZONES AT THE BRIGGS/HIGHWAY 74 INTERSECTION DURING THIS PHASE. NORMAL VIDEO DETECTION ZONES SHALL BE RESTORED UPON COMPLETION OF THIS PHASE.

NOTE TO CONTRACTOR:
 CONTRACTOR SHALL SANDBLAST CONFLICTING STRIPING AND MARKINGS. CONTRACTOR SHALL REPLACE SANDBLASTED STRIPING AND MARKINGS UPON PHASE 4 COMPLETION.

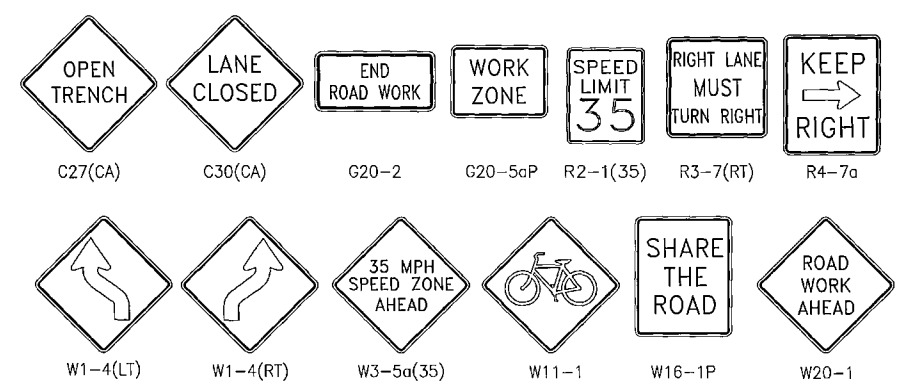


BRIGGS ROAD (45 MPH)

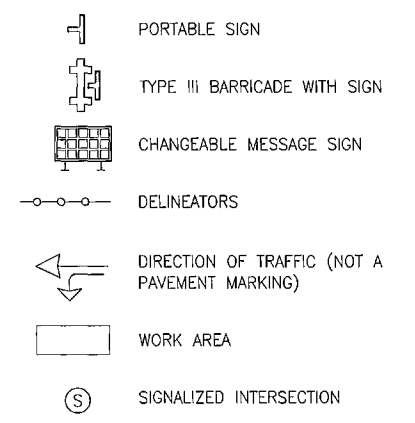


BRIGGS ROAD (40 MPH)

SIGN LEGEND



LEGEND



Don't Dig...Until You Call U.S.A. Toll Free
 1-800-227-2600
 for the location of buried utility lines.
 Don't disrupt vital services.
 TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK
 S.M. NO. S 327-1935
 3.9 MI. NW FROM WINCHESTER
 3.9 MI. NW ALONG THE ATCHISON, TOPEKA
 AND SANTA FE RAILWAY FROM THE STATION
 AT WINCHESTER, RIVERSIDE COUNTY, AT
 MENEFEE SIDING, 193 YRDS. NW OF THE SE
 SWITCH STAND, 72 FT. E OF MILEPOST 6,
 16.5 FT. NE OF THE CENTERLINE OF THE TRACK,
 AND 4.5 FT. RW OF THE STATION SIGN, A
 STANDARD DISK, STAMPED II 327 1935 AND SET
 IN THE TOP OF A CONCRETE POST.

REF.	DESCRIPTION	APPR.	DATE	APPR.	DATE

DESIGNED BY: **ALBERT A. WELB ASSOCIATES**
 DRAWN BY: **Dilesh Sheth**
 DATE DRAWN: **5/21/15**

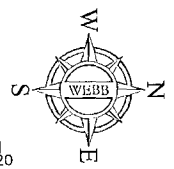
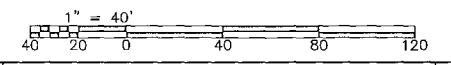


APPROVED BY: **ALBERT A. WELB**
 RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
 RECOMMENDED FOR APPROVAL BY: **Swadh Gwignis**
 DATE: **7/8/15**
 APPROVED BY: **Alan French**
 DATE: **8 July 2015**

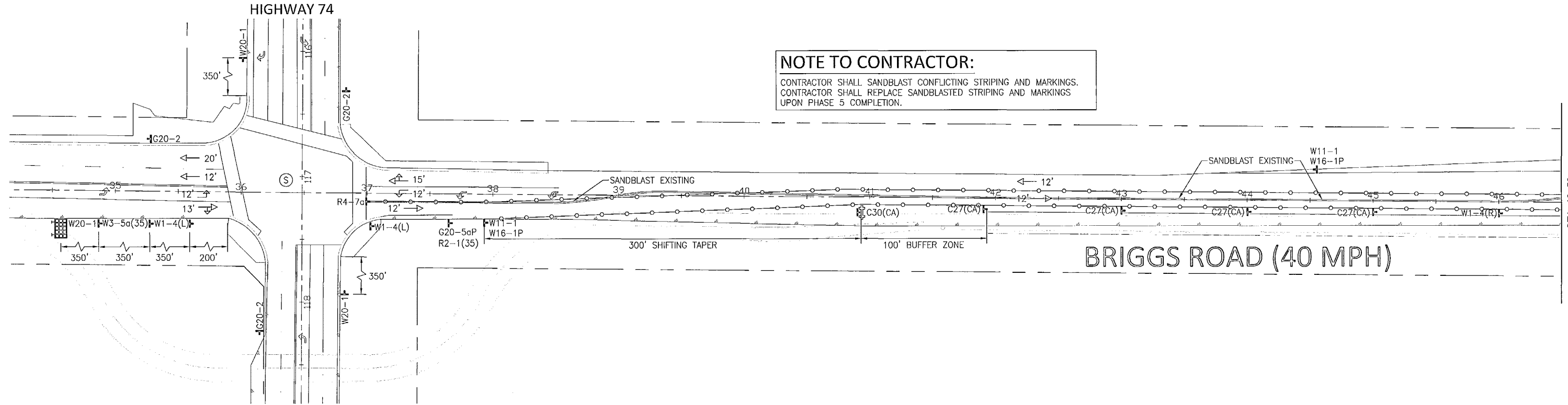
COUNTY OF RIVERSIDE TRANSPORTATION DEPARTMENT
 APPROVED BY: **Alan French**
 DATE: **7-13-15**

TRAFFIC CONTROL PLANS
 HOMELAND MDP
 LINE 1, STAGE 1
 PHASE 4 - BRIGGS ROAD

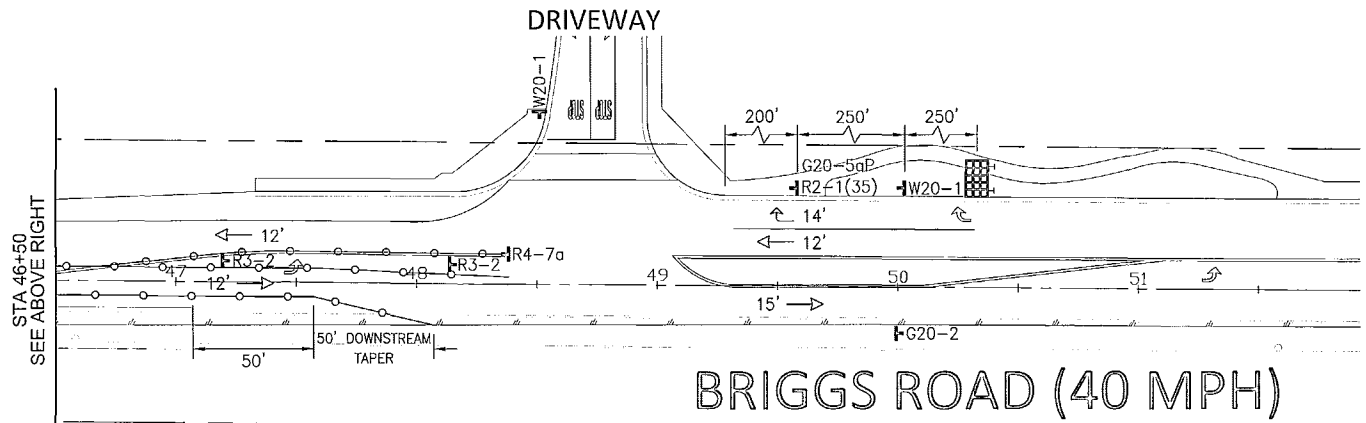
PROJECT NO. 2014-0142
 DRAWING NO. 4-859
 SHEET NO. T5 OF T23



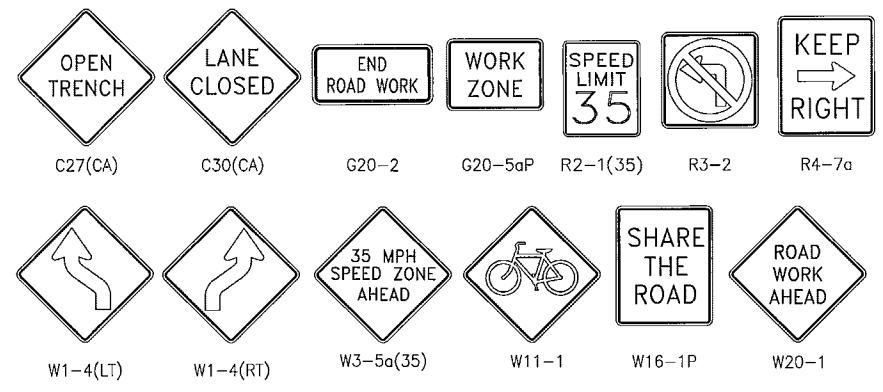
HOMELAND MDP LINE 1, STAGE 1 TEMPORARY TRAFFIC CONTROL PLANS: BRIGGS ROAD - PHASE 5



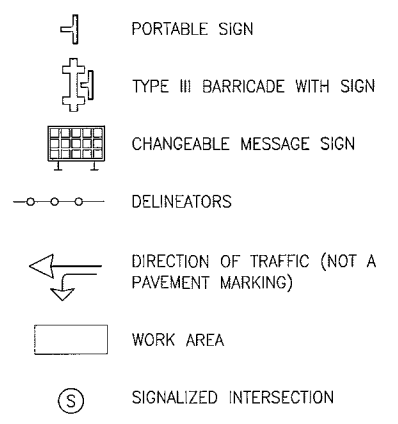
NOTE TO CONTRACTOR:
CONTRACTOR SHALL SANDBLAST CONFLICTING STRIPING AND MARKINGS.
CONTRACTOR SHALL REPLACE SANDBLASTED STRIPING AND MARKINGS UPON PHASE 5 COMPLETION.



SIGN LEGEND



LEGEND



Don't Dig...Until You Call U.S.A. Toll Free
1-800-227-2600
for the location of buried utility lines.
Don't disrupt vital services.
TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK
B.M. NO. S 327-1935
3.9 MI. NW FROM WINCHESTER
3.9 MI. NW ALONG THE ATCHISON, TOPEKA
AND SANTA FE RAILWAY FROM THE STATION
AT WINCHESTER, RIVERSIDE COUNTY, AT
MENEFEE SIDING, 198 YRDS. NW OF THE SE
SWITCH STAND, 72 FT. E OF MILEPOST 6,
16.5 FT. NE OF THE CENTERLINE OF THE TRACK,
AND 4.5 FT. NW OF THE STATION SIGN, A
STANDARD DISK, STAMPED R 327 1935 AND SET
IN THE TOP OF A CONCRETE POST.

REF.	DESCRIPTION	APPR.	DATE	APPR.	DATE

APPROVED BY:
ALBERT A. WEBB
ASSOCIATES
DILESH SHEKHAR
DATE: 5/28/15

ENGINEERING CONSULTANTS
3788 McCRAY STREET
RIVERSIDE CA. 92506
PH. (951) 686-1070
FAX (951) 788-1256

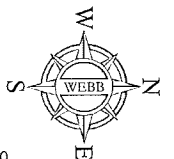
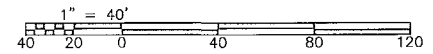


RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY: *Smadhi Quignis* DATE: 7/8/15
APPROVED BY: *Robert Hill* DATE: 8 July 2015

COUNTY OF RIVERSIDE TRANSPORTATION DEPARTMENT
APPROVED BY: *Alan French* DATE: 7-13-15
ALAN FRENCH

TRAFFIC CONTROL PLANS
HOMELAND MDP LINE 1, STAGE 1
PHASE 5 - BRIGGS ROAD

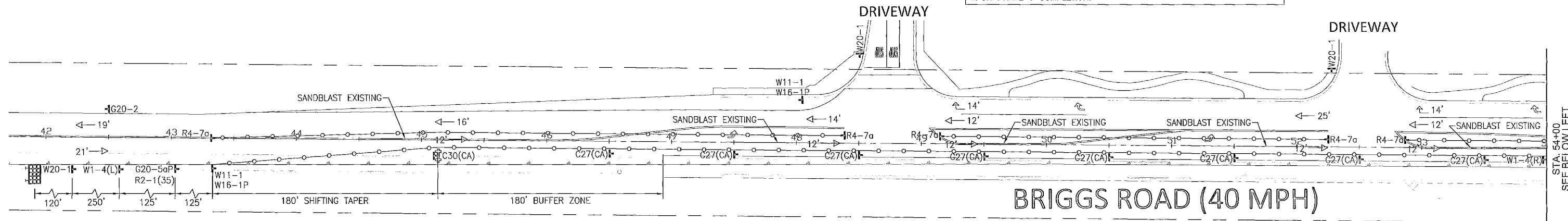
PROJECT NO. 2014-0142
DRAWING NO. 4-859
SHEET NO. T6 OF T23



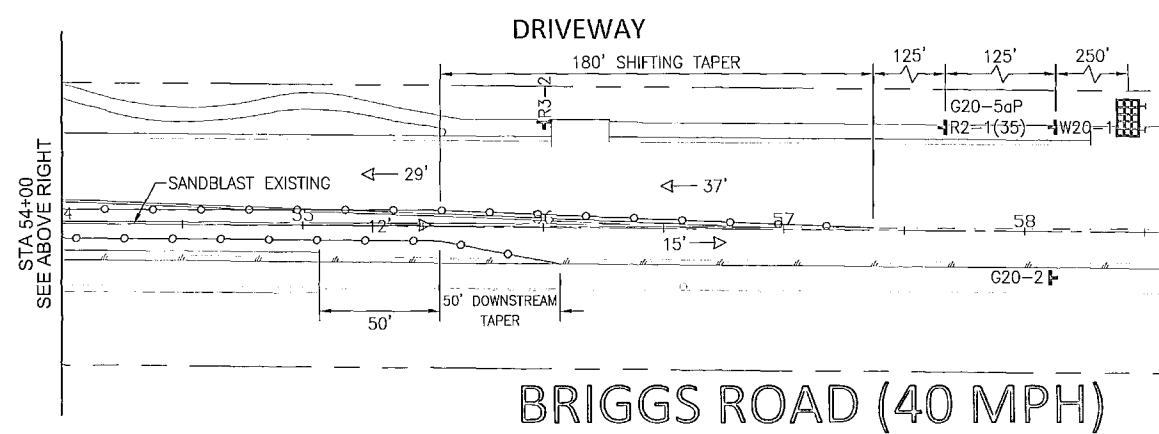
HOMELAND MDP LINE 1, STAGE 1

TEMPORARY TRAFFIC CONTROL PLANS: BRIGGS ROAD - PHASE 6

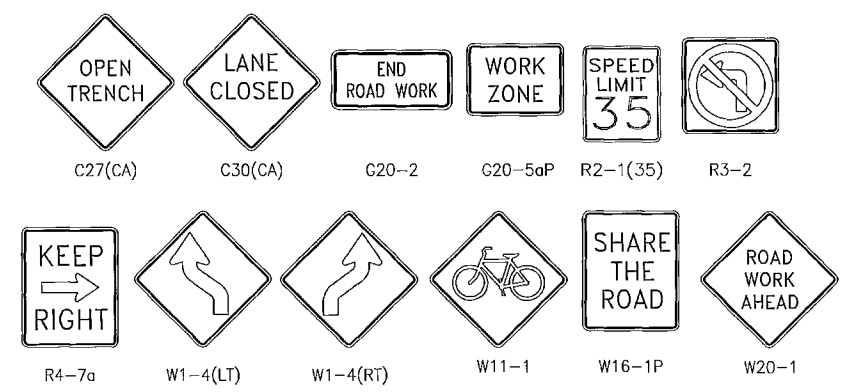
NOTE TO CONTRACTOR:
 CONTRACTOR SHALL SANDBLAST CONFLICTING STRIPING AND MARKINGS.
 CONTRACTOR SHALL REPLACE SANDBLASTED STRIPING AND MARKINGS UPON PHASE 6 COMPLETION.



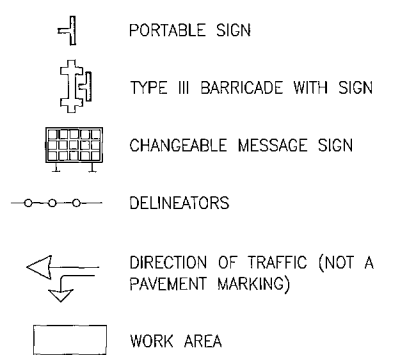
NOTE TO CONTRACTOR:
 REMOVING LEFT TURN POCKETS INTO COMMUNITY CENTER MAY REQUIRE ADDITIONAL TRAFFIC CONTROL SUCH AS FLAGGING OPERATIONS TO REDUCE TRAFFIC CONGESTION IN AND OUT OF DRIVEWAYS DURING PEAK HOUR USE.



SIGN LEGEND



LEGEND

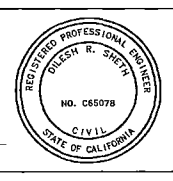


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BENCHMARK
 B.M. NO. S 327-1935
 3.9 MI. NW FROM WINCHESTER
 3.9 MI. NW ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT WINCHESTER, RIVERSIDE COUNTY, AT MENEFEE SIDING, 199 YDS. NW OF THE SE SWITCH STAND, 72 FT. E. OF MILEPOST 6, 16.5 FT. NE OF THE CENTERLINE OF THE TRACK, AND 4.5 FT. NW OF THE STATION SIGN, A STANDARD DISK, STAMPED IN 327 1935 AND SET IN THE TOP OF A CONCRETE POST.

REF.	DESCRIPTION	APPR.	DATE	APPR.	DATE

DESIGNED BY:
 DRAWN BY:
 DATE DRAWN:
 APPROVED BY:
ALBERT A. WEBB ASSOCIATES
 ENGINEERING CONSULTANTS
 378B McCRAY STREET
 RIVERSIDE CA. 92506
 PH. (951) 686-1070
 FAX (951) 788-1256
 DILESH SHEW, RCE 765078
 DATE: 5/28/15

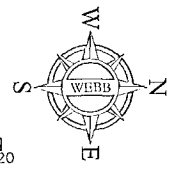
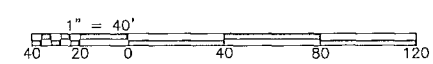


RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
 RECOMMENDED FOR APPROVAL BY:
Smadell Rinigio
 DATE: 7/8/15
 APPROVED BY:
Robert All
 DATE: 9 July 2015

COUNTY OF RIVERSIDE TRANSPORTATION DEPARTMENT
 APPROVED BY:
Alan French
 ALAN FRENCH
 DATE: 7-13-15

TRAFFIC CONTROL PLANS
 HOMELAND MDP
 LINE 1, STAGE 1
 PHASE 6 - BRIGGS ROAD

PROJECT NO. 2014-0142
 DRAWING NO. 4-859
 SHEET NO. T7 OF T23

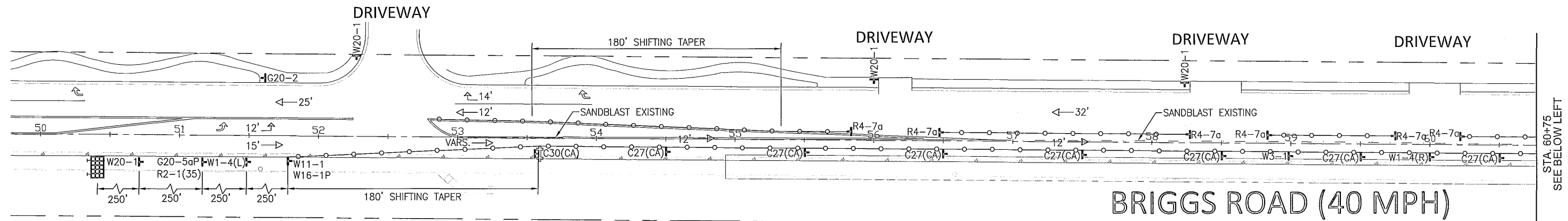


HOMELAND MDP LINE 1, STAGE 1

TEMPORARY TRAFFIC CONTROL PLANS: BRIGGS ROAD - PHASE 7

NOTE TO CONTRACTOR:

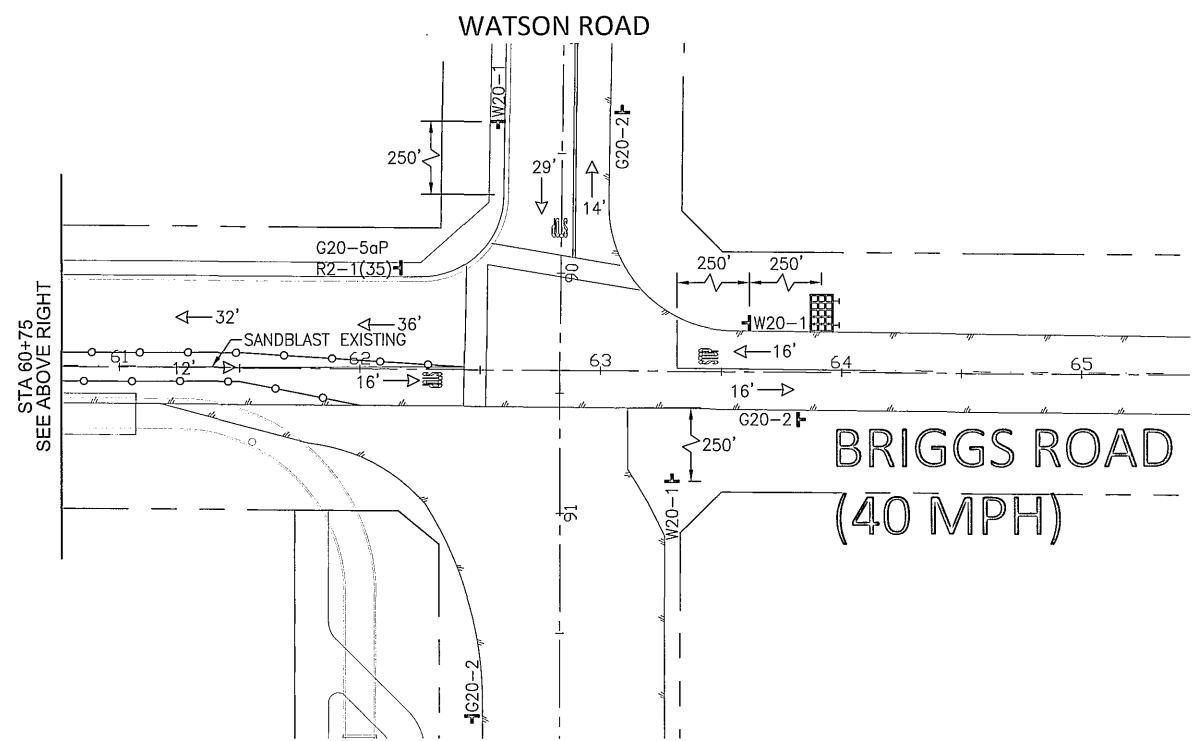
CONTRACTOR SHALL SANDBLAST CONFLICTING STRIPING AND MARKINGS.
CONTRACTOR SHALL REPLACE SANDBLASTED STRIPING AND MARKINGS UPON PHASE 7 COMPLETION.



BRIGGS ROAD (40 MPH)

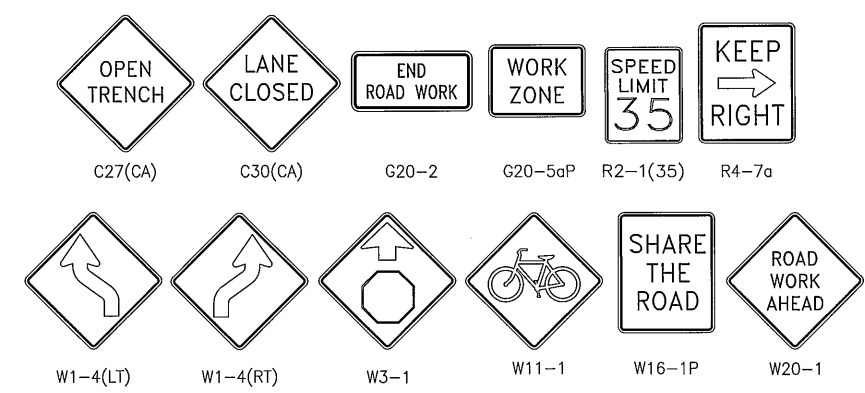
NOTE TO CONTRACTOR:

ADDITIONAL TRAFFIC CONTROL SUCH AS FLAGGING OPERATIONS MAY BE NECESSARY DURING MORNING AND AFTERNOON PEAK HOUR SCHOOL TRAFFIC TO REDUCE CONGESTION IN AND OUT OF SCHOOL DRIVEWAYS.

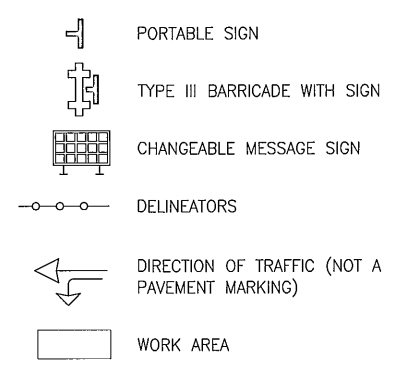


BRIGGS ROAD (40 MPH)

SIGN LEGEND



LEGEND

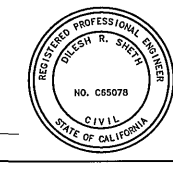


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BENCHMARK
B.M. NO. S 327-1935
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3.9 MI. NW ALONG THE ATCHISON, TOPEKA
AND SANTA FE RAILWAY FROM THE STATION
AT WINCHESTER, RIVERSIDE COUNTY, AT
MENEFEE SIDING, 198 YRDS. NW OF THE SE
SWITCH STAND, 72 FT. E. OF MILEPOST 6,
16.5 FT. NE OF THE CENTERLINE OF THE TRACK,
AND 4.5 FT. NW OF THE STATION SIGN. A
STANDARD DISK, STAMPED R 327 1935 AND SET
IN THE TOP OF A CONCRETE POST.

REF.	DESCRIPTION	APPR.	DATE	APPR.	DATE

APPROVED BY:
ALBERT A. WEBB
ASSOCIATES
ENGINEERING CONSULTANTS
3788 McCRAE STREET
RIVERSIDE CA, 92506
PH. (951) 686-1070
FAX (951) 788-1256
DATE: 7/8/15

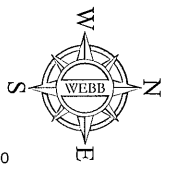
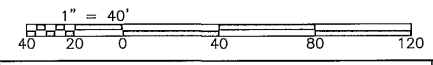


RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY: *Smad M. Quignis*
DATE: 7/8/15
APPROVED BY: *Robert J. ...*
DATE: 8 July 2015

COUNTY OF RIVERSIDE TRANSPORTATION DEPARTMENT
APPROVED BY: *Alan French*
DATE: 7-13-15

TRAFFIC CONTROL PLANS
HOMELAND MDP LINE 1, STAGE 1
PHASE 7 - BRIGGS ROAD

PROJECT NO. 2014-0142
DRAWING NO. 4-859
SHEET NO. T8 OF T23

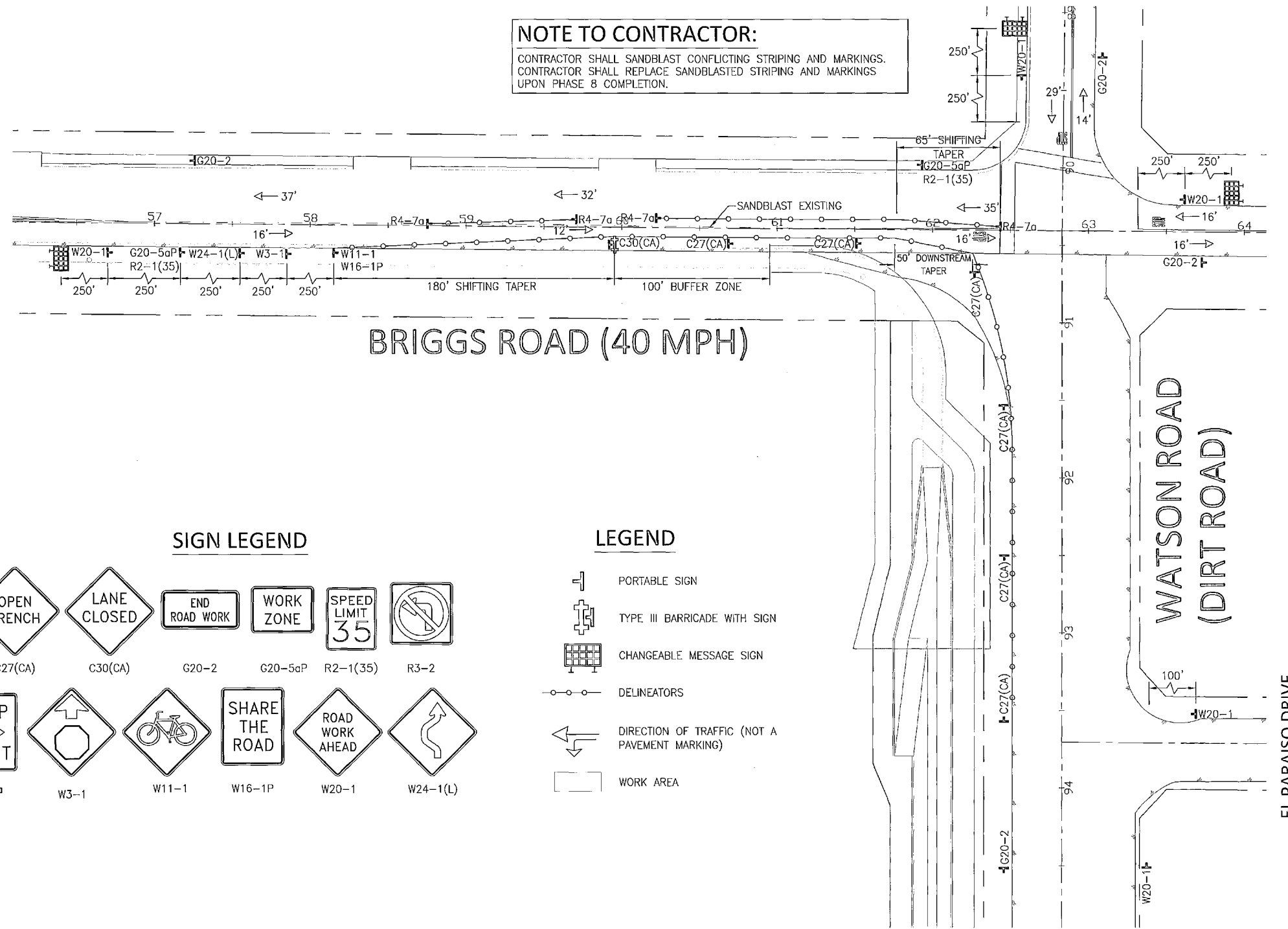


HOMELAND MDP LINE 1, STAGE 1

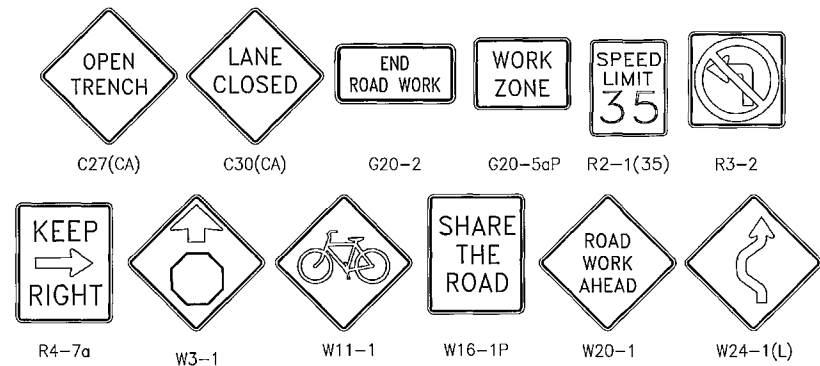
TEMPORARY TRAFFIC CONTROL PLANS: BRIGGS ROAD AND WATSON ROAD - PHASE 8

NOTE TO CONTRACTOR:

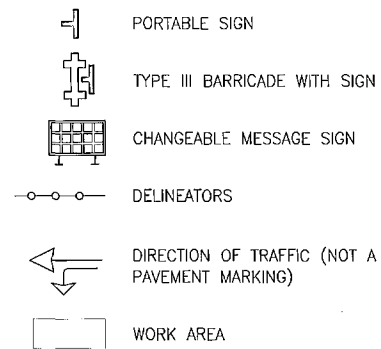
CONTRACTOR SHALL SANDBLAST CONFLICTING STRIPING AND MARKINGS.
CONTRACTOR SHALL REPLACE SANDBLASTED STRIPING AND MARKINGS UPON PHASE 8 COMPLETION.



SIGN LEGEND



LEGEND



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for the location of buried utility lines.
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TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK
B.M. NO. S 327-1935
3.9 MI. NW FROM WINCHESTER
3.9 MI. NW ALONG THE ATCHISON, TOPEKA
AND SANTA FE RAILWAY FROM THE STATION
AT WINCHESTER, RIVERSIDE COUNTY, AT
KENNIFE SIDING, 193 YDS. NW OF THE SE
SWITCH STAND, 72 FT. E. OF MILEPOST 6,
16.5 FT. NE OF THE CENTERLINE OF THE TRACK,
AND 4.5 FT. NW OF THE STATION SIGN, A
STANDARD DICK, STAMPED R 327 1935 AND SET
IN THE TOP OF A CONCRETE POST.

REF.	DESCRIPTION	APPR.	DATE	APPR.	DATE

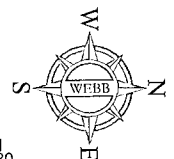
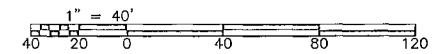
DESIGNED BY: _____
DRAWN BY: _____
DATE DRAWN: _____

APPROVED BY:
ALBERT A. WEBB
ASSOCIATES
Dilesh Sheth
DILESH SHETH, RCE #65078
DATE: 5/29/15

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY:
Samuel Quijino
DATE: 7/8/15

APPROVED BY:
Robert Webb
DATE: 9 July 2015

COUNTY OF RIVERSIDE TRANSPORTATION DEPARTMENT
APPROVED BY:
Alan French
ALAN FRENCH
DATE: 7-13-15

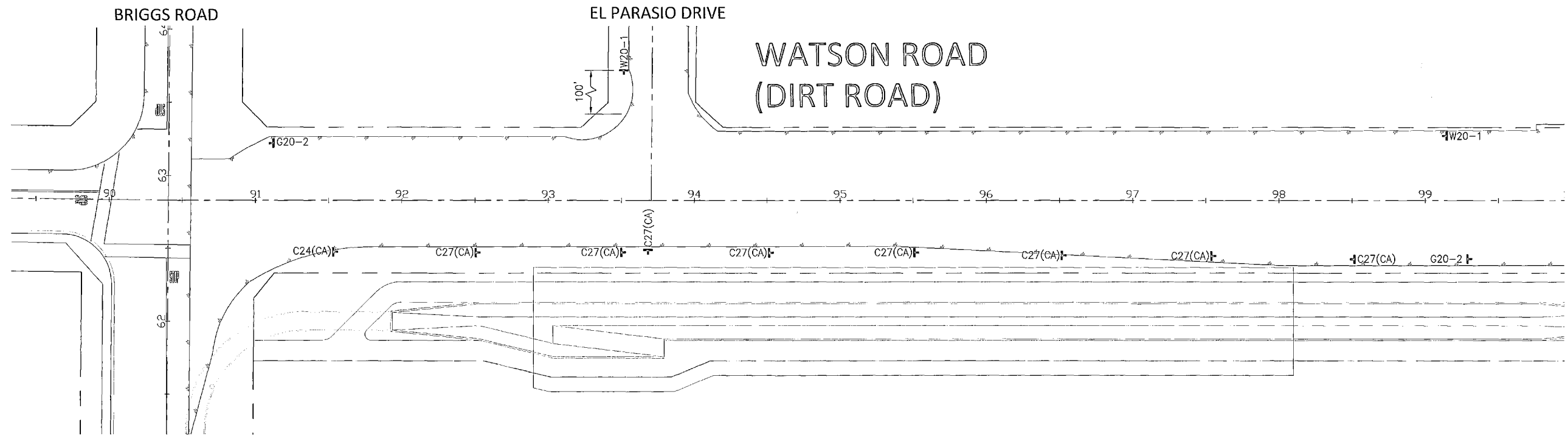


TRAFFIC CONTROL PLANS
HOMELAND MDP
LINE 1, STAGE 1
PHASE 8 - WATSON ROAD

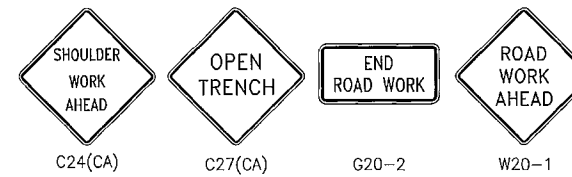
PROJECT NO. 2014-0142
DRAWING NO. 4-859
SHEET NO. T9 OF T23

HOMELAND MDP LINE 1, STAGE 1
 TEMPORARY TRAFFIC CONTROL PLANS: BRIGGS ROAD - PHASE 9

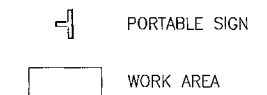
TYPICAL WORK AREA FROM STA. 93+00 TO 115+50



SIGN LEGEND



LEGEND



BENCHMARK
 B.M. NO. S 327-1935
 3.9 MI. NW FROM WINCHESTER
 3.9 MI. NW ALONG THE ATCHISON, TOPEKA
 AND SANTA FE RAILWAY FROM THE STATION
 AT WINCHESTER, RIVERSIDE COUNTY, AT
 MENEFEE SIDING, 199 YDS. NW OF THE SE
 SWITCH STAND, 72 FT. E. OF MILEPOST 6,
 16.5 FT. NE OF THE CENTERLINE OF THE TRACK,
 AND 4.5 FT. NW OF THE STATION SIGN. A
 STANDARD DISK, STAMPED R 327 1935 AND SET
 IN THE TOP OF A CONCRETE POST.

REF.	DESCRIPTION	APPR.	DATE	APPR.	DATE

DESIGNED BY:
 DRAWN BY:
 DATE DRAWN:
 APPROVED BY:
ALBERT A. WEBB ASSOCIATES
 ENGINEERING CONSULTANTS
 3788 McCRAY STREET
 RIVERSIDE CA. 92506
 PH. (951) 686-1070
 FAX (951) 788-1256
 OILESH SHETHI, RCE #65078
 DATE: 5/21/15

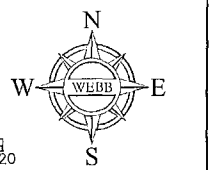
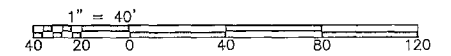


RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
 RECOMMENDED FOR APPROVAL BY: *Alan French*
 DATE: 7/8/15
 APPROVED BY: *Rishi Shah*
 DATE: 8 July 2015

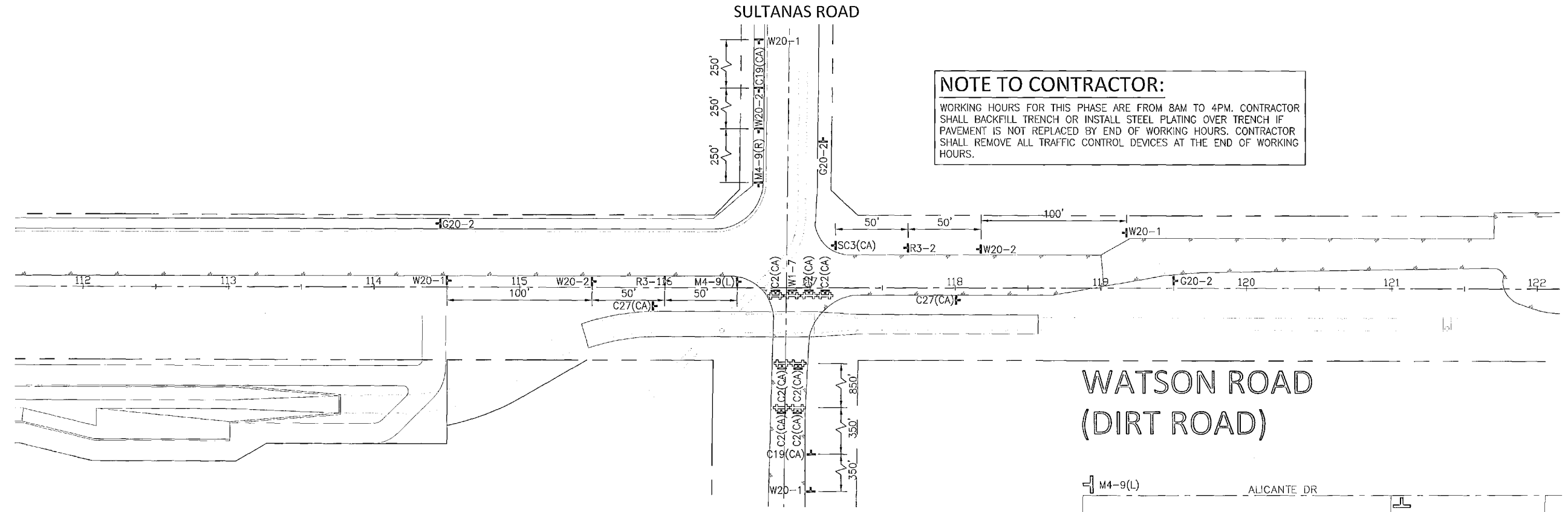
COUNTY OF RIVERSIDE TRANSPORTATION DEPARTMENT
 APPROVED BY: *Alan French*
 ALAN FRENCH
 DATE: 7-13-15

TRAFFIC CONTROL PLANS
 HOMELAND MDP
 LINE 1, STAGE 1
 PHASE 9 - WATSON ROAD

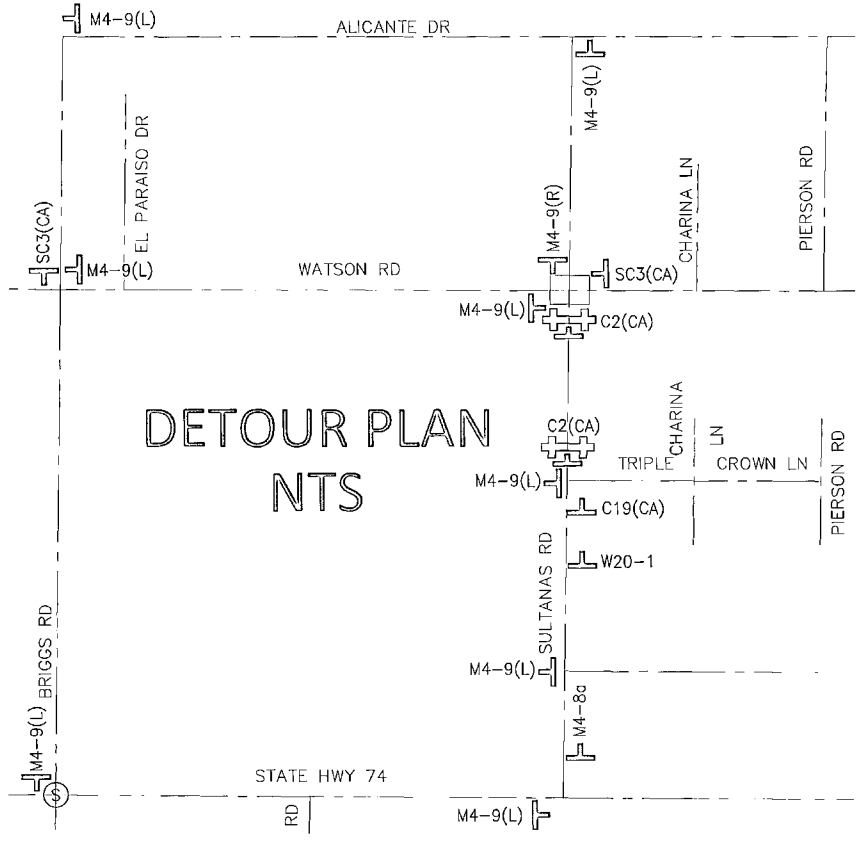
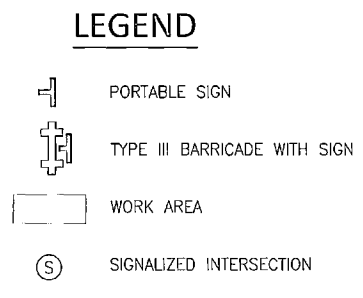
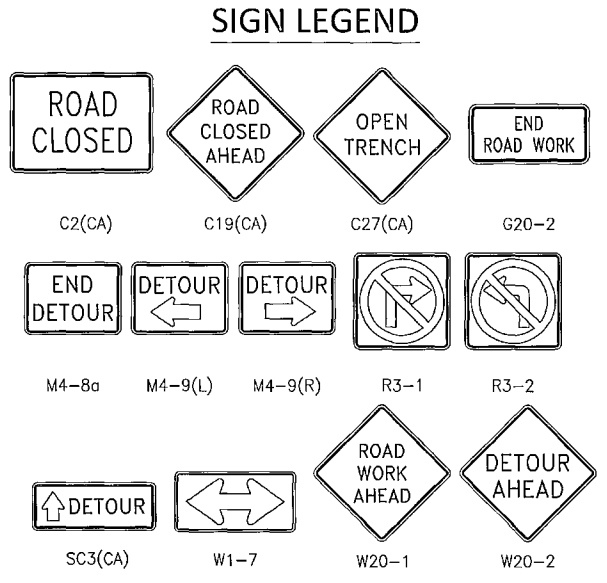
PROJECT NO. 2014-0142
 DRAWING NO. 4-859
 SHEET NO. T10 OF T23



HOMELAND MDP LINE 1, STAGE 1 TEMPORARY TRAFFIC CONTROL PLANS: BRIGGS ROAD - PHASE 10



NOTE TO CONTRACTOR:
 WORKING HOURS FOR THIS PHASE ARE FROM 8AM TO 4PM. CONTRACTOR SHALL BACKFILL TRENCH OR INSTALL STEEL PLATING OVER TRENCH IF PAVEMENT IS NOT REPLACED BY END OF WORKING HOURS. CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES AT THE END OF WORKING HOURS.



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 AND SANTA FE RAILWAY FROM THE STATION
 AT WINCHESTER, RIVERSIDE COUNTY, AT
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 SWITCH STAND, 72 FT. E. OF MILEPOST 6,
 16.5 FT. NE OF THE CENTERLINE OF THE TRACK,
 AND 4.5 FT. NW OF THE STATION SIGN. A
 STANDARD DISK, STAMPED R 327 1935 AND SET
 IN THE TOP OF A CONCRETE POST.

REF.	DESCRIPTION	APPR.	DATE	APPR.	DATE

DESIGNED BY:
 DRAWN BY:
 DATE DRAWN:

APPROVED BY:
ALBERT A. WELB
 ASSOCIATES
 ENGINEERING CONSULTANTS
 3788 McCRAE STREET
 RIVERSIDE, CA, 92506
 PH: (951) 688-1070
 FAX (951) 788-1256
 DATE: 5/29/15



RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
 RECOMMENDED FOR APPROVAL BY: *Shad M. Quigley* DATE: 7/8/15
 APPROVED BY: *Robert Hill* DATE: 8 July 2015

COUNTY OF RIVERSIDE TRANSPORTATION DEPARTMENT
 APPROVED BY: *Alan French* DATE: 7-13-15
 RECOMMENDED: _____ DATE: _____

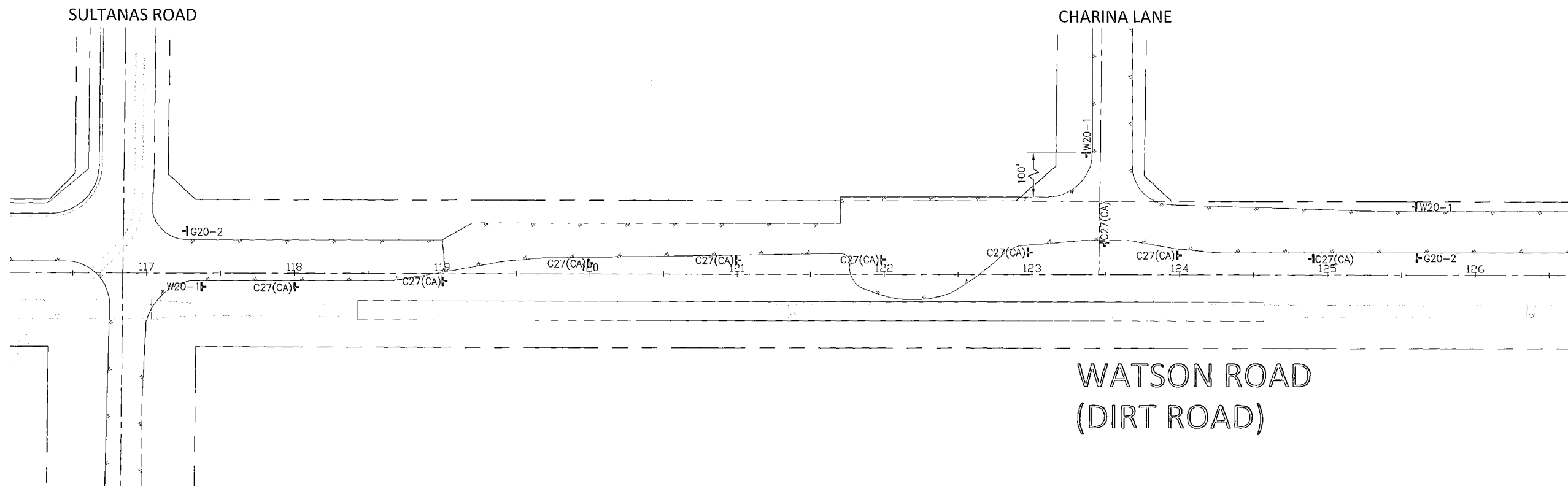
TRAFFIC CONTROL PLANS
 HOMELAND MDP
 LINE 1, STAGE 1
 PHASE 10 - WATSON ROAD

PROJECT NO. 2014-0142
 DRAWING NO. 4-859
 SHEET NO. T11 OF T23

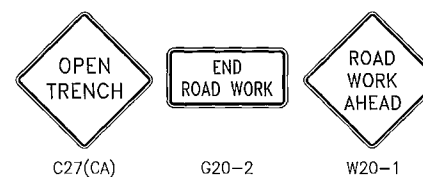
HOMELAND MDP LINE 1, STAGE 1

TEMPORARY TRAFFIC CONTROL PLANS: BRIGGS ROAD - PHASE 11

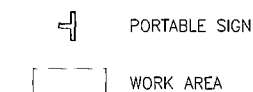
TYPICAL WORK AREA FROM STA. 118+50 TO 143+25



SIGN LEGEND



LEGEND



Don't Dig...Until You Call U.S.A. Toll Free
1-800-227-2600
for the location of buried utility lines.
Don't disrupt vital services.
TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK
B.M. NO. S 327-1935
3.9 MI. NW FROM WINCHESTER
AND SANTA FE RAILWAY FROM THE STATION
AT WINCHESTER, RIVERSIDE COUNTY, AT
MENEFEE SIDING, 199 YDS. NW OF THE SE
SWITCH STAND, 72 FT. E. OF MILEPOST 6,
16.5 FT. NE OF THE CENTERLINE OF THE TRACK,
AND 4.5 FT. NW OF THE STATION SIGN, A
STANDARD DISK, STAMPED R 327 1935 AND SET
IN THE TOP OF A CONCRETE POST.

REF.	DESCRIPTION	APPR.	DATE	APPR.	DATE

DESIGNED BY: _____
DRAWN BY: _____
DATE DRAWN: _____

APPROVED BY:
ALBERT A. WEBB
ASSOCIATES
Dilesh Sheeth
DILESH SHEETH, RCE 765078
DATE: 5/20/15

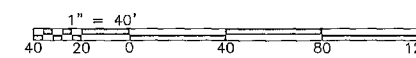
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

RECOMMENDED FOR APPROVAL BY: *Smadhi Chingis*
DATE: 7/8/15

APPROVED BY: *Robert All*
DATE: 8-July 2015

COUNTY OF RIVERSIDE TRANSPORTATION DEPARTMENT

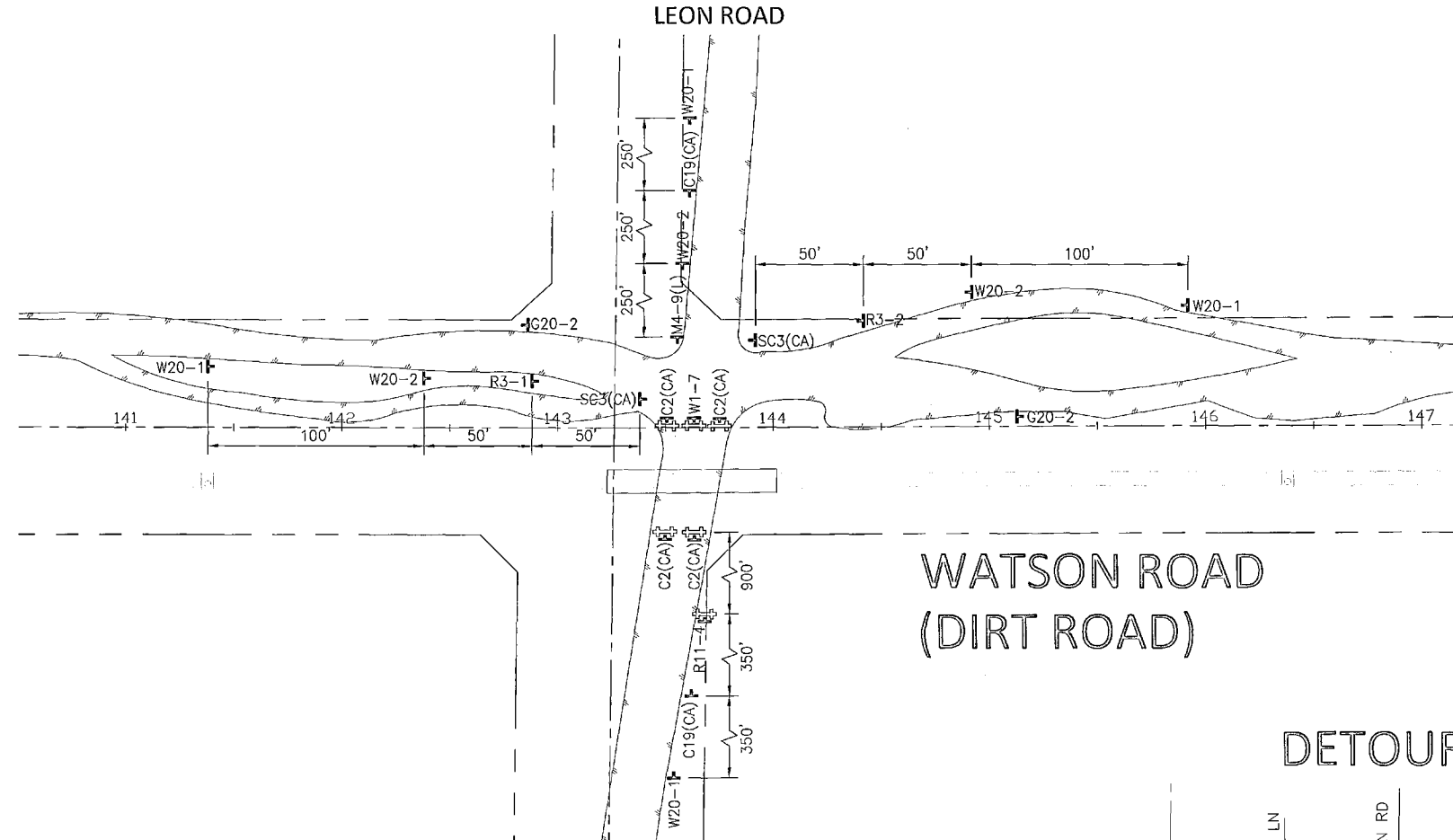
APPROVED BY: *Alan French*
ALAN FRENCH
DATE: 7-13-15



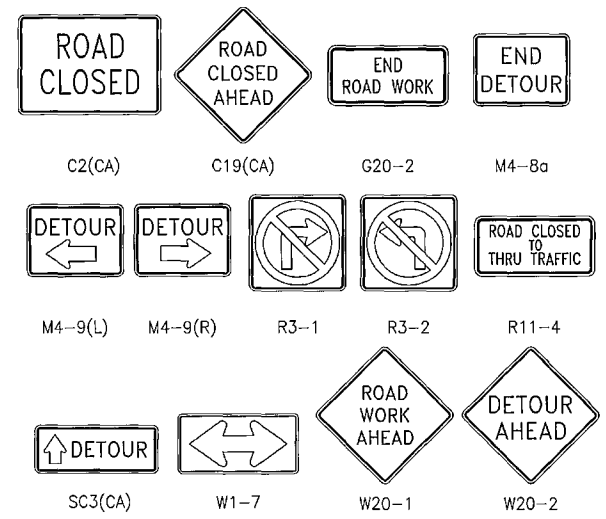
TRAFFIC CONTROL PLANS
HOMELAND MDP
LINE 1, STAGE 1
PHASE 11 - WATSON ROAD

PROJECT NO. 2014-0142
DRAWING NO. 4-859
SHEET NO. T12 OF T23

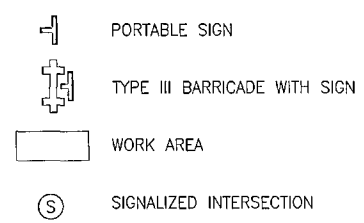
HOMELAND MDP LINE 1, STAGE 1 TEMPORARY TRAFFIC CONTROL PLANS: BRIGGS ROAD - PHASE 12



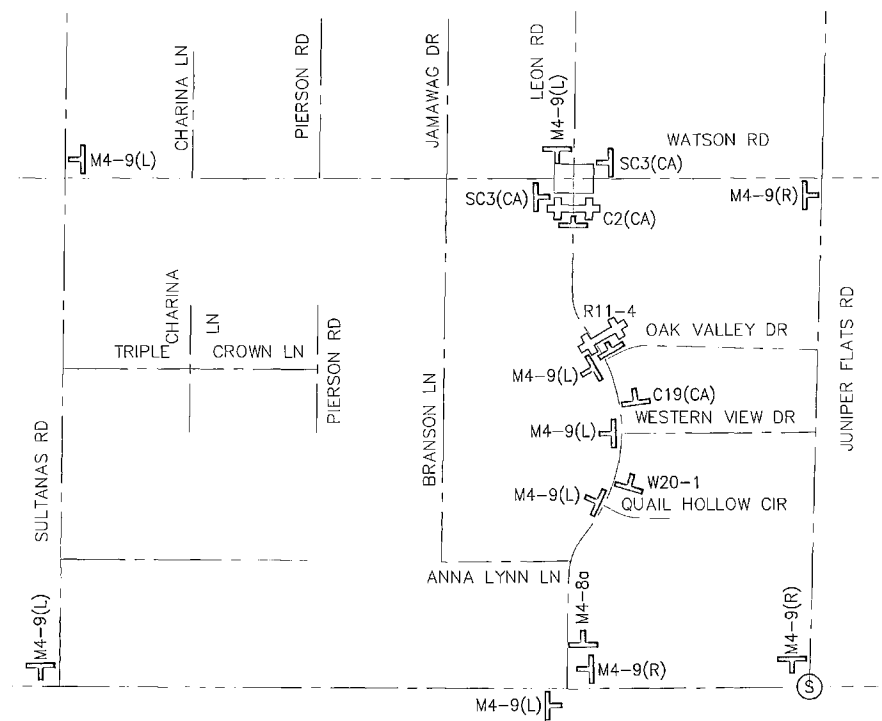
SIGN LEGEND



LEGEND



DETOUR PLAN - NTS



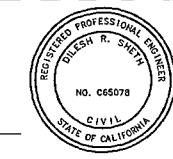
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REF.	DESCRIPTION	APPR.	DATE	APPR.	DATE

DESIGNED BY:
DRAWN BY:
DATE DRAWN:

APPROVED BY:
ALBERT A. WEBB
ASSOCIATES
ENGINEERING CONSULTANTS
3788 McCRAY STREET
RIVERSIDE CA, 92506
PH. (951) 686-1070
FAX (951) 788-1256
DATE: 5/24/15



RIVERSIDE COUNTY FLOOD CONTROL
AND
WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY:
Enad M. Saiguis
DATE: 7/8/15
APPROVED BY:
Robert M. Clark
DATE: 8 July 2015

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY:
Alan French 7-13-15
ALAN FRENCH
DATE: 7-13-15

TRAFFIC CONTROL PLANS
HOMELAND MDP
LINE 1, STAGE 1
PHASE 12 - WATSON ROAD

PROJECT NO.
2014-0142
DRAWING NO.
4-859
SHEET NO.
T13 OF T23