F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	AZ	62952173 & 662170001			

APPROXIMATE ROADWAY QUANTITIES

BID ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY / PLAN SHEET NUMBERS												
			45	46	47 / 85	48 / 86	49 / 87	50 / 88	51 / 89	52 / 90	53 / 91	54 / 92	55 / 93	56	TOTAL
8	GROUTED RIPRAP	CY	-	-	-	-	-	-	-	21	-	-	-	-	21
9	DUMPED RIPRAP, D50=8", BED THICKNESS 16"	Ton	-	-	-	-	12	-	5	-	-	18	-	-	35
10	DUMPED RIPRAP, D50=18", BED THICKNESS 36"	Ton	-	-	-	-	-	-	-	25	-	-	-	-	25
11	SUBGRADE PREPARATION	SY	-	-	3,914	5,912	6,191	7,855	7,026	7,313	7,289	5,335	988	-	51,823
12	TRIAX GEOGRID REINFORCEMENT (TX-5)	SY	-	-	3,914	5,912	6,191	7,855	7,026	7,313	7,289	5,335	988	-	51,823
13	AGGREGATE BASE COURSE, MAG 702, THICKNESS PER PLANS	Ton	-	-	1,527	2,305	2,415	3,063	2,740	2,852	2,843	2,081	385	-	20,211
14	ASPHALT CONCRETE PAVEMENT (3/4" MIX), THICKNESS PER PLANS	Ton	-	-	705	1,064	1,114	1,414	1,265	1,316	1,312	960	178	-	9,328
15	ASPHALT CONCRETE PAVEMENT (1/2" MIX), THICKNESS PER PLANS	Ton	-	-	352	532	557	707	632	658	656	480	89	-	4,663
16	ASPHALT CONCRETE PAVEMENT (RUBBERIZED), THICKNESS PER PLANS	Ton	249	826	596	532	557	707	632	658	656	603	742	47	6,805
17	BITUMINOUS TACK COAT SS-1H, DILUTED	Ton	-	-	1.22	1.85	1.93	2.45	2.19	2.28	2.28	1.67	0.31	-	16.2
18	BITUMINOUS TACK COAT CSS-1H, DILUTED	Ton	0.86	2.87	2.07	1.85	1.93	2.45	2.19	2.28	2.28	2.09	2.58	0.16	23.6
20	VERTICAL CURB & GUTTER, MAG STD DET. 220, TYPE A, H = 6"	LF	-	-	1,420	1,881	1,792	1,870	1,886	1,902	1,966	1,574	486	-	14,777
21	ROLL CURB & GUTTER, MAG STD DET. 220, TYPE C	LF	-	-	-	-	-	27	-	5	-	-	-	-	32
22	SINGLE CURB PER MAG STD DET 222, TYPE A	LF	-	-	-	-	-	-	-	-	-	33	58	-	91
23	CONCRETE SIDEWALK PER MAG STD DET 230	SF	-	-	3,426	5,475	5,063	10,075	11,316	10,828	10,743	9,040	2,169	-	68,135
24	CONCRETE SIDEWALK RAMP PER DETAILS ON SHEET 17-30	SF	-	-	-	-	-	1,061	-	554	425	414	655	-	3,109
25	CONCRETE PAVERS PER STRUCTURAL SECTION ON TYPICAL SECTIONS	SF	-	-	-	-	-	1,441	-	-	-	-	-	-	1,441
28	CONCRETE APRON AND VALLEY GUTTER PER MAG STD DET. 240	SF	-	-	-	-	-	929	-	-	-	457	-	-	1,386
30	CONCRETE DRIVEWAY PER MAG STD DET 250-2	SF	-	-	252	252	-	-	-	-	-	-	518	-	1,022
31	CONCRETE DRIVEWAY PER MAG STD DET 262	SF	-	-	-	-	1,093	-	-	-	-	-	-	-	1,093
32	CONCRETE DRIVEWAY PER DETAIL ON SHEET 77	SF	-	-	-	-	-	-	-	-	-	-	1,352	-	1,352
33	3" AC DRIVEWAY CONNECTION ON COMPACTED NATIVE	SF	-	-	-	-	-	-	-	-	-	14	13	-	27
34	ADJUST VALVE COVER TO FINISHED GRADE PER MAG STD DET 391-1, TYPE A	EA	-	2	6	2	3	5	2	3	5	1	1	2	32
35	ADJUST SEWER MANHOLE FRAME AND COVER PER MAG STD DET 422	EA	-	4	-	1	1	2	-	-	-	1	-	-	9
36	PAVEMENT MILLING	SY	2,762	9,174	2,702	-	-	-	-	-	-	1,361	7,259	524	23,782
37	REMOVAL OF EXISTING CONCRETE CURB	LF	-	-	371	-	752	632	-	164	172	24	-	-	2,115
38	REMOVAL OF EXISTING CONCRETE APRON AND VALLEY GUTTER	SF	-	-	-	-	-	917	-	-	-	-	-	-	917
39	REMOVAL OF EXISTING SIDEWALK	SF	-	-	-	-	-	364	-	-	-	-	-	-	364
40	REMOVAL OF EXISTING CONCRETE HEADWALL	EA	-	-	-	-	1	4	-	1	-	-	-	-	6
41	REMOVAL OF EXISTING STORM DRAIN PIPE	LF	-	-	-	-	44	606	-	322	131	-	-	-	1,103
42	REMOVAL OF EXISTING SIDEWALK RAMP	SF	-	-	-	-	-	171	-	-	-	-	146	-	317
45	REMOVAL OF EXISTING FENCE	LF	-	-	-	-	-	-	-	215	72	-	-	-	287
46	REMOVAL OF EXISTING TREES	EA	-	-	-	-	4	13	12	20	22	15	-	-	86
51	RELOCATE EXISTING IRRIGATION CONTROL VALVE	EA	-	-	-	-	-	1	1	1	1	-	-	-	4
52	REMOVAL OF EXISTING RIP RAP	SF	-	-	-	-	-	-	289	-	-	-	-	-	289
55	SURVEY MARKER, TYPE A PER MAG STD DET 120-1	EA	-	-	-	-	-	2	1	2	1	-	-	-	6
57	1/2" DECOMPOSED GRANITE, SANTA FE GOLD, 2" THICK	Ton	-	-	-	-	67	226	221	212	211	210	40	-	1,187
60	STORM DRAIN MANHOLE COMPLETE, MAG DET 520, 522 AND 423-1	EA	-	-	2	3	3	3	3	3	1	1	1	-	20
61	CATCH BASIN, MAG DET 530, TYPE A, 3'-6" OPENING	EA	-	-	-	4	2	2	-	1	-	1	1	-	11
62	CATCH BASIN, MAG DET 530, TYPE A, 5'-6" OPENING	EA	-	-	2	-	-	2	2	-	2	1	-	-	9
63	CONCRETE SCUPPER PER MAG STD DET 206, WIDTH AND OPENING PER PLAN	EA	-	-	-	-	-	-	-	-	-	2	-	-	2
65	CONCRETE HEADWALL ('U' TYPE), MAG DET 501-1 & 501-2	EA	-	-	-	-	-	-	1	-	-	-	-	-	1
68	~~FURNISH AND INSTALL SWING GATES PER DETAIL ON SHEET 32~~	EA	-	-	-	-	3	-	-	-	-	-	-	-	3
69	SAFETY RAIL, MAG DET 145, TYPE 2	LF	-	-	-	-	-	-	-	210	-	-	38	-	248
72	~~CONCRETE END SECTION (30"), MAG DET 545~~	EA	-	-	-	-	1	-	-	-	-	-	-	-	1
73	CONCRETE END SECTION (24"), MAG DET 545	EA	-	-	-	-	-	-	-	1	-	-	-	-	1
74	15" RGRCP, CLASS III	LF	-	-	10.0	36.5	46.0	33.5	-	-	11.5	10.5	-	-	148.0
75	15" RGRCP, CLASS V	LF	-	-	46.0	75.5	10.0	117.0	111.5	54.0	52.5	12.0	20.5		499.0
76	18" RGRCP, CLASS III	LF	-	-	-	-	-	-	76.5	-	-	-	387	-	464
77	18" RGRCP, CLASS V	LF	-	-	-	-	-	-	-	-	-	700	50	-	750
78	24" RGRCP, CLASS III	LF	-	-	450	950	380	-	600	597	120	-	-	-	3,097
79	30" RGRCP, CLASS III	LF	-	-	115	-	86.5	930	250	-	-	-	-	-	1,381.5
80	CONCRETE PIPE COLLAR PER MAG STD DET 505	EA	-	-	1	1	-	-	-	-	-	-	-	-	2
81	CONCRETE ENCASEMENT PER MAG DET 404-3	EA	-	-	1	-	-	-	-	-	-	-	-	-	1
83	PREFABRICATED CROSS, 30"X15"X15"	EA	-	-	-	-	-	2	-	-	-	-	-	-	2
84	PREFABRICATED TEE, 30"X18"	EA	-	-	-	-	-	-	1	-	-	-	-	-	1
85	PREFABRICATED TEE, 24"X15"	EA	-	-	-	-	-	-	1	1	-	-	-	-	2
86	PREFABRICATED TEE, 18"X15"	EA	-	-	-	-	-	-	-	-	-	1	-	-	1
87	CONNECT PROPOSED STORM DRAIN PIPE TO EXISTING BOX CULVERT PER DETAIL ON SHEET 110	EA	-	-	1	-	-	-	-	-	-	-	1	-	2

NO.	REVISION	BY	APPR	DATE
1	REVISED QUANTITIES	OG	CSS	10-30

	NAME	DATE
DESIGN	DF	10/15
DRAWN	DR	10/15
CHECKED	CSS	10/15

T.Y. LIN INTERNATIONAL
engineers | planners | scientists
60 East Rio Salado Parkway
Tempe, AZ 85281

PINAL COUNTY DEPARTMENT OF PUBLIC WORKS
ENGINEERING BRANCH
DESIGN SECTION

QUANTITIES

LOCATION HUNT HIGHWAY PHASE 3 – GARY ROAD TO BELLA VISTA ROAD
GANTZEL ROAD PHASE D-1 – OMEGA DRIVE TO POSTON BUTTE HIGH SCHOOL

REGISTERED PROFESSIONAL ENGINEER
48279
CARLOS SANCHEZ SORIA
Date Signed 10/30/15
ARIZONA, U.S.A.
Expires 9/30/17

SHEET 43 OF 176

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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	AZ	62952173 & 662170001			

APPROXIMATE ROADWAY QUANTITIES

BID ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY / PLAN SHEET NUMBERS																	
			57	58	59	60	61	62	63	64	65	66	67	68	69	70	72	73	83	84	TOTAL
8	DUMPED RIPRAP, D50=6", BED THICKNESS 12"	TON	60	75	45	-	-	-	-	-	-	5	33	24	53	27	6	-	-	-	328
11	SUBGRADE PREPARATION	SY	6,742	9,784	7,096	4,160	-	-	237	68	5,073	6,337	5,769	5,583	6,688	6,655	2,044	650	-	-	66,886
12	TRIAX GEOGRID REINFORCEMENT (TX-5)	SY	6,742	9,784	7,096	4,160	-	-	237	68	5,073	6,337	5,769	5,583	6,688	6,655	2,044	-	-	-	66,236
13	AGGREGATE BASE COURSE, MAG 702, THICKNESS PER PLANS	TON	1,972	2,862	2,076	1,623	-	-	92	26	1,484	1,854	1,687	1,633	1,956	1,947	598	190	-	-	20,000
14	ASPHALT CONCRETE PAVEMENT (3/4" MIX), THICKNESS PER PLANS	TON	1,214	1,761	1,277	998	-	-	57	16	609	760	692	670	803	799	245	78	-	-	9,979
15	ASPHALT CONCRETE PAVEMENT (1/2" MIX), THICKNESS PER PLANS	TON	809	1,174	852	499	-	-	28	8	-	-	-	-	-	-	-	-	-	-	3,370
16	ASPHALT CONCRETE PAVEMENT (RUBBERIZED), THICKNESS PER PLANS	TON	-	-	-	-	-	-	-	-	609	760	692	670	803	799	245	78	-	-	4,656
17	BITUMINOUS TACK COAT SS-1H, DILUTED	TON	2.1	3.1	2.2	1.3	-	-	0.1	0.0	-	-	-	-	-	-	-	-	-	-	8.8
18	BITUMINOUS TACK COAT CSS-1H, DILUTED	TON	2.1	3.1	2.2	0.0	-	-	-	-	1.6	2.0	1.8	1.7	2.1	2.1	0.6	0.2	-	-	19.5
20	VERTICAL CURB & GUTTER, MAG STD DET. 220, TYPE A, H = 6"	LF	1427	1870	812	309	-	-	200	153	-	-	-	-	163	783	414	-	-	-	6,131
21	ROLL CURB & GUTTER, MAG STD DET. 220, TYPE C	LF	-	82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82
22	SINGLE CURB PER MAG STD DET 222, TYPE A	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,823	1,928	4,751
23	CONCRETE SIDEWALK PER MAG STD DET 230	SF	12,485	15,559	7,747	8,204	9,000	9,000	8,585	1,204	1,086	217	-	-	-	423	-	-	-	-	73,510
1 24	CONCRETE SIDEWALK RAMP PER DETAILS ON SHEET 17-30	SF	358	1,338	-	1,350	-	-	-	-	540	-	-	-	-	-	-	-	-	-	3,586
26	MEDIAN CONCRETE PAVERS PER MAG STD DET 225	SF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14,669	6,054	20,723
27	MEDIAN NOSE TRANSITION PER MAG STD DET 223 (4" THICK PAVING LIMITS PER PLAN)	SF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	974	1344	2,318
29	CONCRETE DRIVEWAY PER MAG STD DET 250-1	SF	-	285	96	356	-	-	-	-	-	-	-	-	-	-	-	-	-	-	737
33	3" AC DRIVEWAY CONNECTION ON COMPACTED NATIVE	SF	-	624	79	543	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,246
34	ADJUST VALVE COVER TO FINISHED GRADE PER MAG STD DET 391-1, TYPE A	EA	2	10	2	5	-	1	1	-	5	6	2	4	6	-	-	-	-	-	44
35	ADJUST SEWER MANHOLE FRAME AND COVER PER MAG STD DET 422	EA	-	1	2	2	-	-	1	-	-	4	2	1	-	1	-	-	-	-	14
37	REMOVAL OF EXISTING CONCRETE CURB	LF	-	194	-	410	-	-	-	-	111	13	77	56	43	13	555	-	-	-	1,472
39	REMOVAL OF EXISTING SIDEWALK	SF	-	-	-	-	-	-	-	-	-	65	385	280	215	65	-	-	-	-	1,010
42	REMOVAL OF EXISTING SIDEWALK RAMP	SF	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
43	REMOVAL OF TRAFFIC BARRICADE	LF	-	-	-	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47
44	REMOVAL OF TRAFFIC BARRELS	EA	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
54	FURNISH AND INSTALL BARRICADES PER MAG STD DET 130	LF	124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	124
1 55	SURVEY MARKER, TYPE A PER MAG STD DET 120-1	EA	1	1	-	1	-	-	-	-	-	-	2	2	1	-	-	-	-	-	8
56	SURVEY MARKER, TYPE B PER MAG STD DET 120-1	EA	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
57	1/2" DECOMPOSED GRANITE, SANTA FE GOLD, 2" THICK	TON	513	601	334	45	-	-	-	-	-	-	-	-	-	-	-	-	115	47	1,655
63	CONCRETE SCUPPER PER MAG STD DET 206, WIDTH AND OPENING PER PLAN	EA	3	3	2	-	-	-	-	-	1	1	5	4	6	3	-	-	-	-	28
64	CONCRETE SPILLWAY PER DETAIL ON SHEET 12	EA	-	-	-	-	-	-	-	-	-	1	3	2	2	-	-	-	-	-	8
66	MASONRY SOUND WALL PER ADOT STD DWG 8.02 ON SHEET 35	SF	-	555	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	555
67	CHAIN LINK FENCE PER MAG STD DET 160	LF	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16

NO.	REVISION	BY	APPR	DATE
1	REVISED CONCRETE SIDEWALK RAMP QUANTITY	OG	CSS	10-30

	NAME	DATE
DESIGN	DF	9/15
DRAWN	DR	9/15
CHECKED	CSS	9/15

T.Y. LIN INTERNATIONAL
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GANTZEL ROAD PHASE D-1 – OMEGA DRIVE TO POSTON BUTTE HIGH SCHOOL

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SHEET 44 OF 176

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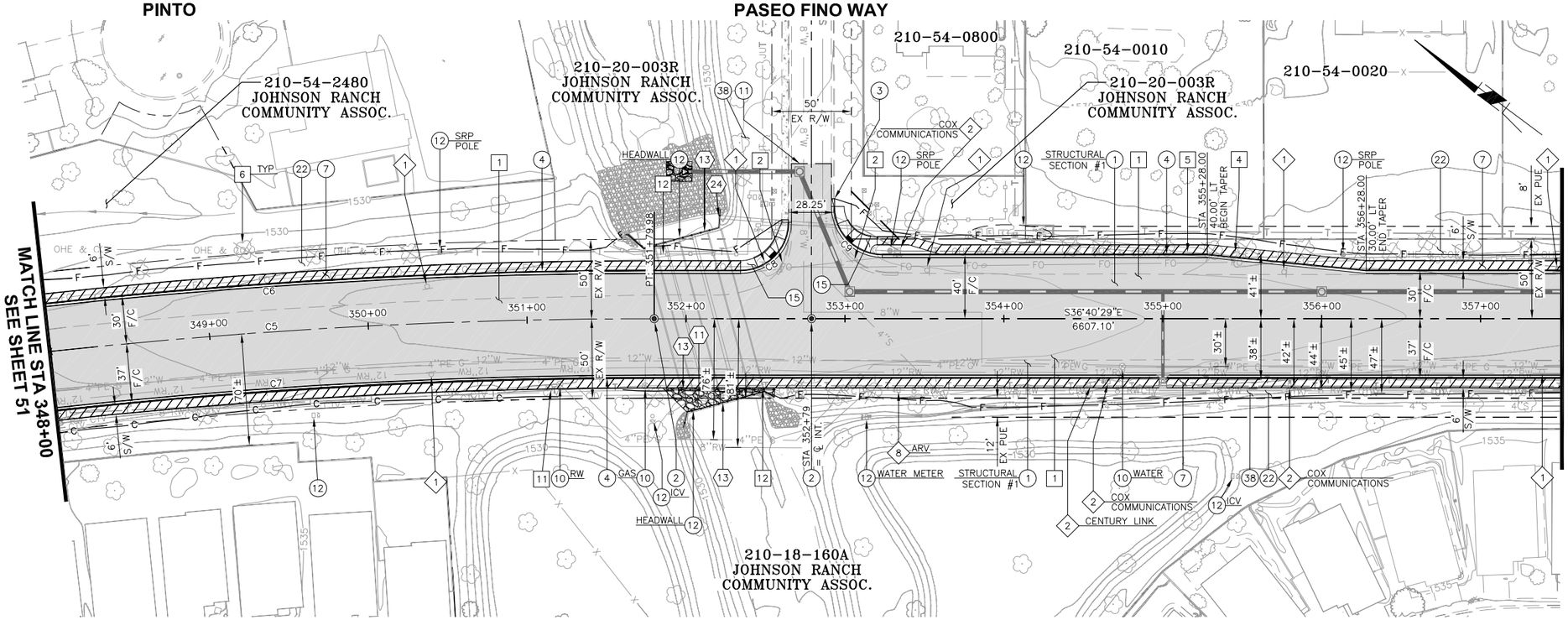

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	AZ	62952173 & 662170001			

PAVING CONSTRUCTION NOTES

1	CONSTRUCT PAVEMENT PER TYPICAL SECTIONS, SEE SHEET 43-44 FOR QUANTITIES.	65,814 SF
2	FURNISH AND INSTALL SURVEY MARKER PER MAG STD DET 120-1, TYPE A.	2 EA
3	CONSTRUCT CURB AND GUTTER TRANSITION TYPE 'A' TO TYPE 'C' PER MAG STD DET 221	1 EA
4	CONSTRUCT CURB & GUTTER PER MAG STD DET 220, TYPE A, H=6".	1,902 LF
7	CONSTRUCT CONCRETE SIDEWALK PER MAG STD DET 230. WIDTH PER PLAN.	19,828 SF
10	ADJUST VALVE COVER TO FINISHED GRADE PER MAG STD DET 391-1, TYPE A.	3 EA
11	SAWCUT 2' MIN. EXISTING PAVEMENT TO NEAT CLEAN EDGE & MATCH WITH PAVING PER TYPICAL SECTIONS.	N.P.I.
12	PROTECT IN PLACE.	N.P.I.
15	CONSTRUCT SIDEWALK RAMP PER DETAILS ON SHEETS 17-30.	554 SF
22	FURNISH AND INSTALL 1/2" DECOMPOSED GRANITE, 2" MINIMUM DEPTH. COLOR TO BE SANTA FE GOLD.	212 TONS
38	LANDSCAPE RESTORATION PER PROJECT SPECIFICATIONS.	

REMOVAL / RELOCATE NOTES

1	REMOVE EXISTING AC PAVEMENT.	47,195 SF
2	REMOVE EXISTING CURB & GUTTER.	164 LF
4	REMOVE EXISTING CONCRETE HEADWALL.	1 EA
5	REMOVE EXISTING STORM DRAIN PIPE.	322 LF
6	REMOVE AND DISPOSE OF EXISTING TREE. SEE TECHNICAL PROVISIONS AND SPECIFICATIONS.	21 EA
11	RELOCATE EXISTING IRRIGATION CONTROL VALVE.	1 EA
12	REMOVE EXISTING FENCE.	215 LF

REMOVAL / RELOCATE BY OTHERS

1	SEE SIGNING AND STRIPING PLANS FOR REMOVAL/ RELOCATION OF STREET SIGNS.	
2	CABLE TV/FO BOX, UTILITY MARKER TO BE RELOCATED BY OTHERS.	3 EA
8	AIR RELEASE VALVE TO BE RELOCATED BY OTHERS.	1 EA

STORM DRAIN CONSTRUCTION NOTES

11	FURNISH & INSTALL GROUTED RIP RAP D_{50} AND BED THICKNESS AS SHOWN ON PLANS.	21 CY
13	FURNISH AND INSTALL SAFETY RAIL PER MAG STD DET 145 WITH WELD PLATES PER MAGS TD DET 206-2.	210 LF
24	CONSTRUCT PIPE PLUG PER MAG STD DET 427.	1 EA

LINE/CURVE DATA TABLE

NO.	DELTA	RADIUS	LENGTH	TANGENT
C5	12°43'17"	3500.00'	777.11'	390.16'
C6	12°43'17"	3532.00'	784.21'	393.73'
C7	12°43'17"	3456.00'	767.34'	385.25'
C8	90°00'00"	30.00'	47.12'	30.00'
C9	90°00'00"	30.00'	47.12'	30.00'

NOTE: ALL LINE/CURVE DATA TO BACK OF CURB.

Call at least two full working days before you begin excavation.
ARIZONA 811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

40 0 40 80 120
SCALE: 1" = 40'
VERT: 1" = 4'

NO.	REVISION	BY	APPR	DATE
1	REVISED RIP RAP QUANTITY	OG	CSS	10-30

	NAME	DATE
DESIGN	DF	10/15
DRAWN	DR	10/15
CHECKED	CSS	10/15

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60 East Rio Salado Parkway
Tempe, AZ 85281

PINAL COUNTY DEPARTMENT OF PUBLIC WORKS
ENGINEERING BRANCH
DESIGN SECTION

PAVING PLAN AND PROFILE SHEET

LOCATION
HUNT HIGHWAY PHASE 3 - GARY ROAD TO BELLA VISTA ROAD
GANTZEL ROAD PHASE D-1 - OMEGA DRIVE TO POSTON BUTTE HIGH SCHOOL

REGISTERED PROFESSIONAL ENGINEER
48279
CARLOS SANCHEZ SORIA
Date Signed 10/30/15
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Expires 9/30/17

SHEET 52 OF 176

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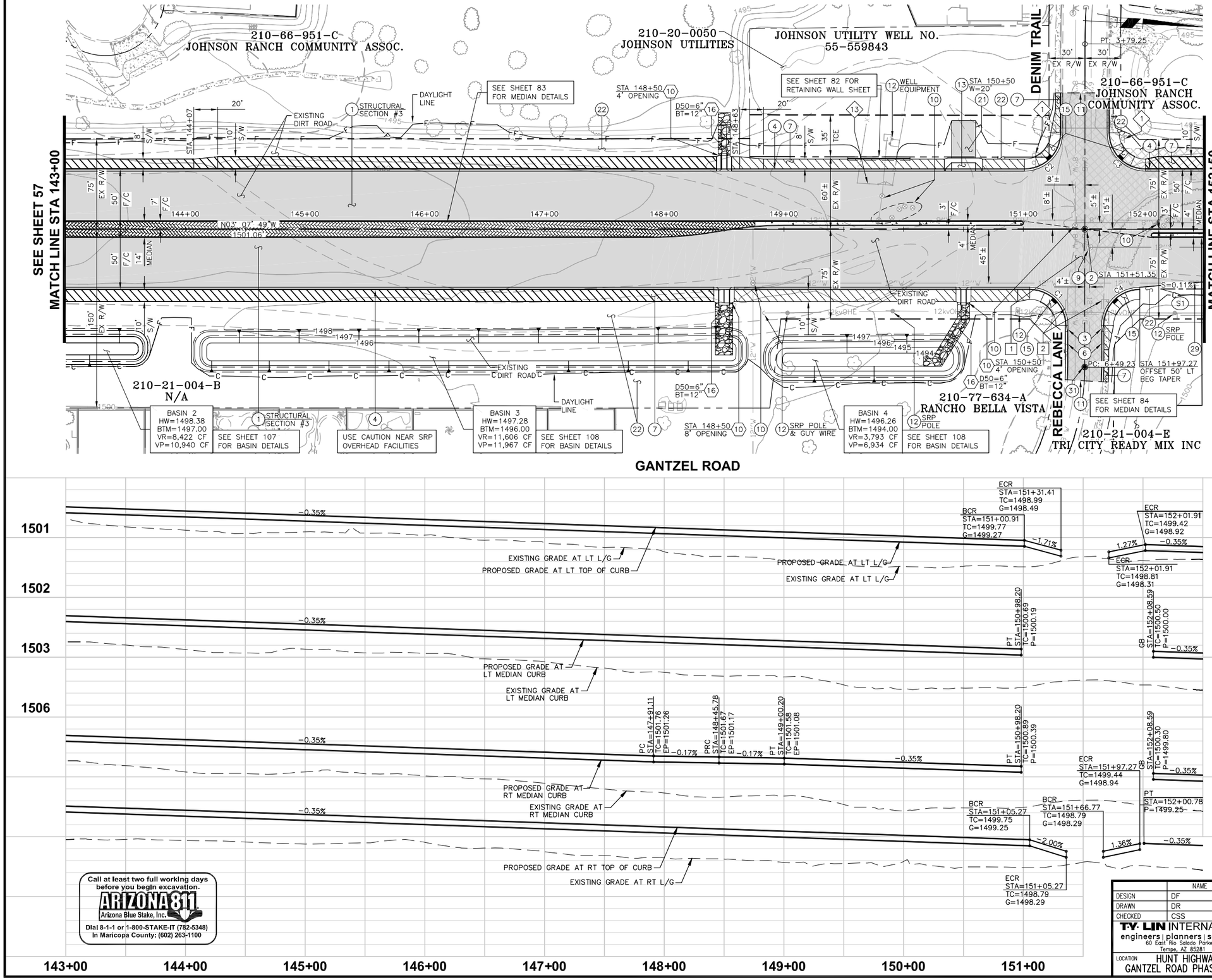

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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	AZ	62952173 & 662170001			

PAVING CONSTRUCTION NOTES

1	CONSTRUCT PAVEMENT PER TYPICAL SECTIONS, SEE SHEET 43–44 FOR QUANTITIES.	88,054 SF
2	FURNISH AND INSTALL SURVEY MARKER PER MAG STD DET 120–1, TYPE A.	1 EA
3	CONSTRUCT CURB AND GUTTER TRANSITION TYPE 'A' TO TYPE 'C' PER MAG STD DET 221.	2 EA
4	CONSTRUCT CURB & GUTTER PER MAG STD DET 220, TYPE A, H=6".	366 LF
6	CONSTRUCT CURB & GUTTER PER MAG STD DET 220, TYPE C.	82 LF
7	CONSTRUCT CONCRETE SIDEWALK PER MAG STD DET 230. WIDTH PER PLAN.	15,559 SF
9	ADJUST SEWER MANHOLE FRAME AND COVER PER MAG STD DET 422.	1 EA
10	ADJUST VALVE COVER TO FINISHED GRADE PER MAG STD DET 391–1, TYPE A.	10 EA
11	SAWCUT 2' MIN. EXISTING PAVEMENT TO NEAT CLEAN EDGE & MATCH WITH PAVING PER TYPICAL SECTIONS.	N.P.I.
12	PROTECT IN PLACE.	N.P.I.
13	CONSTRUCT CONCRETE DRIVEWAY PER MAG STD DET 250–2, WIDTH PER PLAN.	285 SF
15	CONSTRUCT SIDEWALK RAMP PER DET ON SHEET 17–30.	1,338 SF
21	CONSTRUCT 3" AC DRIVEWAY CONNECTION ON COMPACTED GROUND.	624 SF
22	FURNISH AND INSTALL DECOMPOSED GRANITE 2" MINIMUM DEPTH. COLOR TO BE SANTA FE BROWN.	601 TN
29	CONSTRUCT SAFETY EDGE PER DETAIL ON TYPICAL SECTION SHEETS.	1,517 LF
31	FURNISH AND INSTALL SURVEY MARKER PER MAG STD DET 120–1, TYPE B.	1 EA

REMOVAL / RELOCATE NOTES

1	REMOVE EXISTING AC PAVEMENT.	10,869 SF
2	REMOVE EXISTING CONCRETE CURB.	194 LF

REMOVAL / RELOCATE BY OTHERS

1	SEE SIGNING AND STRIPING PLANS FOR REMOVAL/ RELOCATION OF STREET SIGNS.
13	CHAINLINK FENCE & GATE TO BE REMOVED BY JOHNSON UTILITIES FORCES.

STORM DRAIN CONST. NOTES

10	CONSTRUCT CONCRETE SCUPPER PER MAG STD DET 206.	3 EA
16	FURNISH & INSTALL DUMPED RIP RAP Dso AND BED THICKNESS AS SHOWN ON PLANS.	75 TN

SWALE DATA TABLE

NO.	STATION	ELEVATION	OFFSET
S1	152+14.89	1496.50	50.00' RT

LINE/CURVE DATA TABLE

NO.	DELTA	RADIUS	LENGTH	TANGENT
C1	90°02'59"	30.50'	47.94'	30.53'
C2	89°57'01"	30.50'	47.88'	30.47'
C3	90°02'59"	30.50'	47.94'	30.53'
C4	89°57'01"	30.50'	47.88'	30.47'

NOTE: ALL LINE/CURVE DATA TO FACE OF CURB

NOTE: FOR STORM DRAIN SEE SHEETS 85–98
NOTE: FOR SIGNING & MARKING SEE SHEETS 112–125
NOTE: FOR DRIVEWAY PROFILE SEE SHEETS 74–80

40 0 40 80 120
SCALE: 1" = 40'
VERT: 1" = 4'

NO.	REVISION	BY	APPR	DATE
1	REVISED SIDEWALK RAMP QUANTITY	OG	CSS	10-30

	NAME	DATE
DESIGN	DF	9/15
DRAWN	DR	9/15
CHECKED	CSS	9/15

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Tempe, AZ 85281

PINAL COUNTY DEPARTMENT OF PUBLIC WORKS
ENGINEERING BRANCH
DESIGN SECTION

PAVING PLAN AND PROFILE SHEET

LOCATION HUNT HIGHWAY PHASE 3 – GARY ROAD TO BELLA VISTA ROAD
GANTZEL ROAD PHASE D–1 – OMEGA DRIVE TO POSTON BUTTE HIGH SCHOOL

CARLOS SANCHEZ SORIA 45279 Registered Professional Engineer ARIZONA, U.S.A. Expires 9/30/17

SHEET 58 OF 176

Omar Gloria
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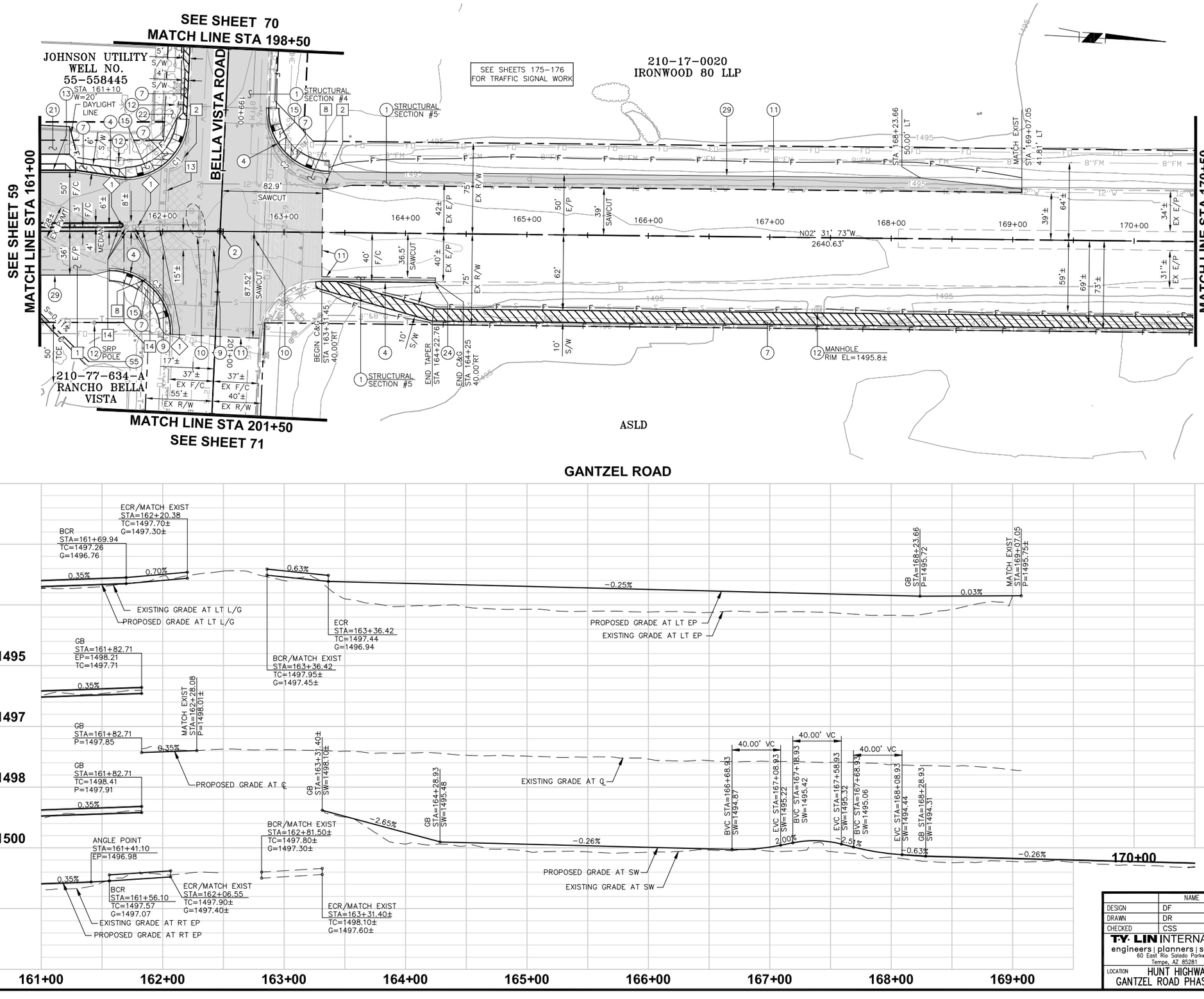

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	AZ	62952173 & 662170001			

PAVING CONSTRUCTION NOTES

1	CONSTRUCT PAVEMENT PER TYPICAL SECTIONS, SEE SHEET 43-44 FOR QUANTITIES.	37,443 SF
2	FURNISH AND INSTALL SURVEY MARKER PER MAG STD DET 120-1, TYPE A.	1 EA
4	CONSTRUCT CURB & GUTTER PER MAG STD DET 220, TYPE A, H=6".	309 LF
7	CONSTRUCT CONCRETE SIDEWALK PER MAG STD DET 230. WIDTH PER PLAN.	8,204 SF
9	ADJUST SEWER MANHOLE FRAME AND COVER PER MAG STD DET 422.	2 EA
10	ADJUST VALVE COVER TO FINISHED GRADE PER MAG STD DET 391-1, TYPE A.	5 EA
11	SAWCUT 2' MIN. EXISTING PAVEMENT TO NEAT CLEAN EDGE & MATCH WITH PAVING PER TYPICAL SECTIONS.	N.P.I.
12	PROTECT IN PLACE.	N.P.I.
13	CONSTRUCT CONCRETE DRIVEWAY PER MAG STD DET 250-2, WIDTH PER PLAN.	356 SF
15	CONSTRUCT SIDEWALK RAMP PER DET ON SHEET 17-30.	1,350 SF
21	CONSTRUCT 3" AC DRIVEWAY CONNECTION ON COMPACTED GROUND.	543 SF
22	FURNISH AND INSTALL DECOMPOSED GRANITE 2" MINIMUM DEPTH. COLOR TO BE SANTA FE BROWN.	45 TN
24	CURB TERMINATION PER MODIFIED MAG STD DET 222 ON SHEET 34.	1 EA
29	CONSTRUCT SAFETY EDGE PER DETAIL ON TYPICAL SECTION SHEETS.	628 LF

REMOVAL / RELOCATE NOTES

1	REMOVE EXISTING AC PAVEMENT.	26,653 SF
2	REMOVE EXISTING CONCRETE CURB.	78 LF
8	REMOVE EXISTING SIDEWALK RAMP.	2 EA
13	REMOVE TRAFFIC BARRICADE.	47 LF
14	REMOVE TRAFFIC BARRELS.	6 EA

REMOVAL / RELOCATE BY OTHERS

1. SEE SIGNING AND STRIPING PLANS FOR REMOVAL/ RELOCATION OF STREET SIGNS.

SWALE DATA TABLE

NO.	STATION	ELEVATION	OFFSET
S5	161+39.91	1495.04	107.21' RT

LINE/CURVE DATA TABLE

NO.	DELTA	RADIUS	LENGTH	TANGENT
C1	87°18'28"	50.50'	76.95'	48.18'
C2	91°41'13"	50.50'	80.81'	52.01'
C3	92°33'54"	50.50'	81.59'	52.81'

NOTE: ALL LINE/CURVE DATA TO FACE OF CURB

NOTE: FOR STORM DRAIN SEE SHEETS 85-98

NOTE: FOR SIGNING & MARKING SEE SHEETS 112-125

NOTE: FOR DRIVEWAY PROFILE SEE SHEETS 74-80

Call at least two full working days before you begin excavation.
ARIZONA 811
Arizona Blue Stake, Inc.
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In Maricopa County: (602) 263-1100

SCALE: 1" = 40'
VERT: 1" = 4'

NO.	REVISION	BY	APPR	DATE
1	REVISED SDWK RAMP & PVMT REMOVAL QUANTITY	OG	CSS	10-30
	ADDED SURVEY MONUMENT			

	NAME	DATE
DESIGN	DF	9/15
DRAWN	DR	9/15
CHECKED	CSS	9/15

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PINAL COUNTY DEPARTMENT OF PUBLIC WORKS
ENGINEERING BRANCH
DESIGN SECTION

PAVING PLAN AND PROFILE SHEET

LOCATION HUNT HIGHWAY PHASE 3 - GARY ROAD TO BELLA VISTA ROAD
GANTZEL ROAD PHASE D-1 - OMEGA DRIVE TO POSTON BUTTE HIGH SCHOOL

48279 CARLOS SANCHEZ SORIA
Date Signed 10/30/15
ARIZONA, U.S.A.
Expires 9/30/17

SHEET 60 OF 176

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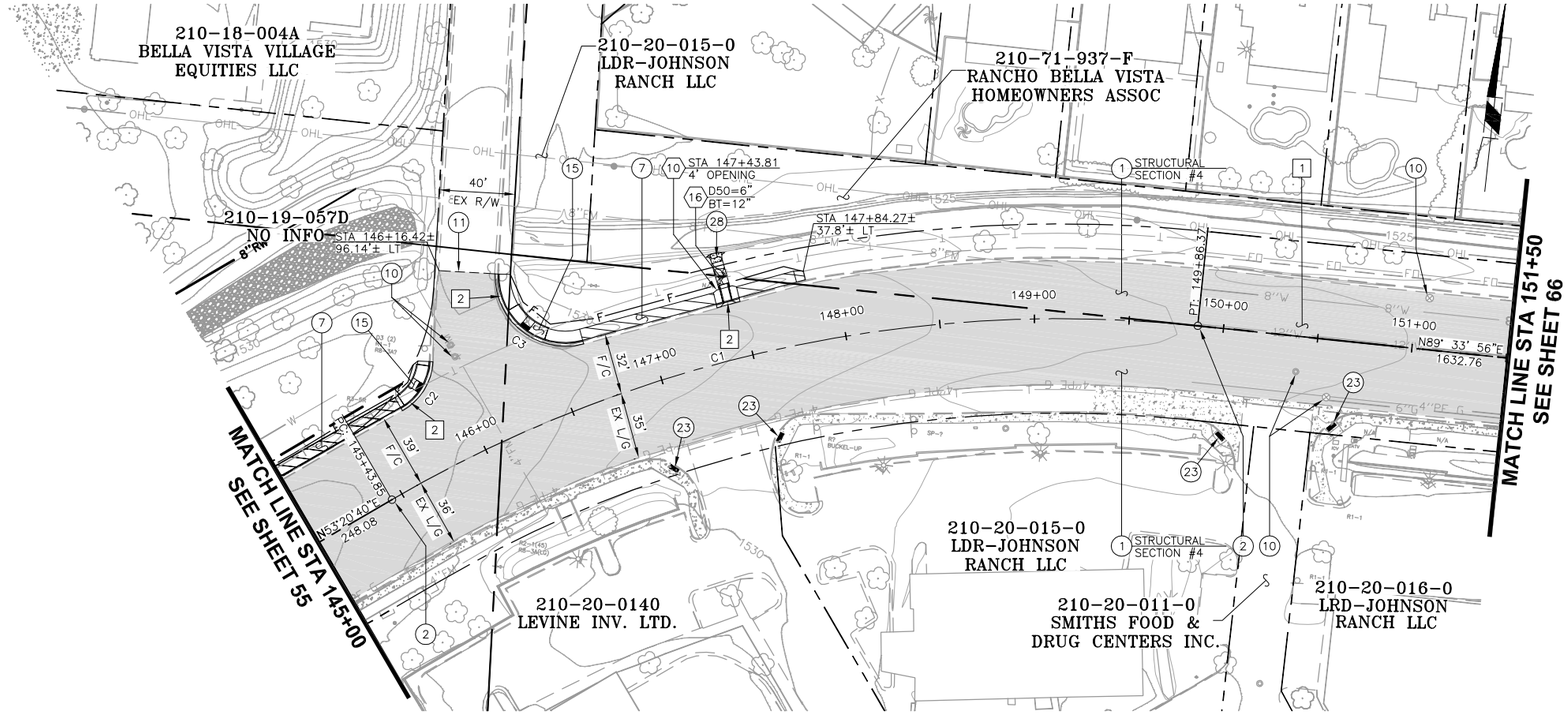
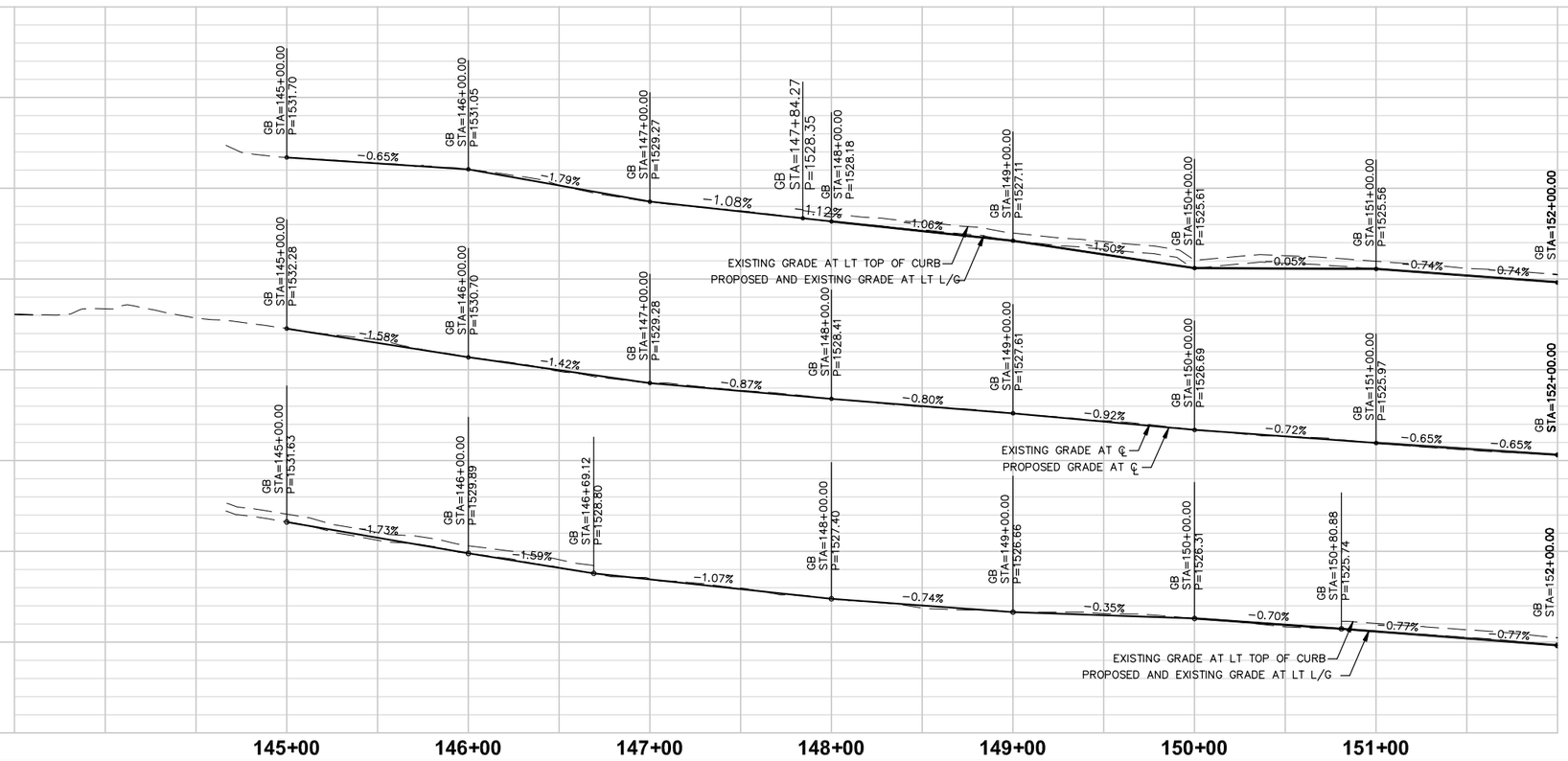
Carlos Sanchez-Soria TY Lin Half Scale.ctb





F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	AZ	62952173 & 662170001			

PAVING CONSTRUCTION NOTES

1	CONSTRUCT PAVEMENT PER TYPICAL SECTIONS, SEE SHEET 43–44 FOR QUANTITIES.	45,658 SF
2	FURNISH AND INSTALL SURVEY MARKER PER MAG STD DET 120–1, TYPE A.	2 EA
7	CONSTRUCT CONCRETE SIDEWALK PER MAG STD DET 230. WIDTH PER PLAN.	1,086 SF
10	ADJUST VALVE COVER TO FINISHED GRADE PER MAG STD DET 391–1, TYPE A.	5 EA
11	SAWCUT 2' MIN. EXISTING PAVEMENT TO NEAT CLEAN EDGE & MATCH WITH PAVING PER TYPICAL SECTIONS.	N.P.I.
15	CONSTRUCT SIDEWALK RAMP PER DET ON SHEET 17–30.	540 SF
23	FURNISH INSTALL TRUNCATED DOMES FOR EXISTING SIDEWALK RAMPS.	40 SF
28	AC OVERLAY PER TYPICAL SECTIONS, SEE SHEET 43–44 FOR QUANTITIES.	1 EA

REMOVAL / RELOCATE NOTES

1	REMOVE EXISTING AC PAVEMENT.	45,658 SF
2	REMOVE EXISTING CONCRETE CURB.	111 LF

STORM DRAIN CONST. NOTES

10	CONSTRUCT CONCRETE SCUPPER PER MAG STD DET 206.	1 EA
16	FURNISH & INSTALL DUMPED RIP RAP D_{50} AND BED THICKNESS AS SHOWN ON PLANS.	3 TN

NOTE: FOR STORM DRAIN SEE SHEETS 85–98

NOTE: FOR SIGNING & MARKING SEE SHEETS 112–125

NOTE: FOR DRIVEWAY PROFILE SEE SHEETS 74–80

LINE/CURVE DATA TABLE

NO.	DELTA	RADIUS	LENGTH	TANGENT
C1	36°10'51"	700.00'	442.03'	228.67'
C2	56°46'25"	30.50'	30.22'	16.48'
C3	107°05'06"	35.50'	66.35'	48.05'

NOTE: ALL LINE/CURVE DATA TO FACE OF CURB

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40 0 40 80 120
SCALE: 1" = 40'
VERT: 1" = 4'

NO.	REVISION	BY	APPR	DATE
1	REVISED SIDEWALK RAMP QUANTITY/ADDED PVMT REMOVAL NOTE	OG	CSS	10-30

	NAME	DATE
DESIGN	DF	9/15
DRAWN	DR	9/15
CHECKED	CSS	9/15

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Tempe, AZ 85281

PINAL COUNTY DEPARTMENT OF PUBLIC WORKS
ENGINEERING BRANCH
DESIGN SECTION

PAVING PLAN AND PROFILE SHEET

LOCATION HUNT HIGHWAY PHASE 3 – GARY ROAD TO BELLA VISTA ROAD
GANTZEL ROAD PHASE D–1 – OMEGA DRIVE TO POSTON BUTTE HIGH SCHOOL

REGISTERED PROFESSIONAL ENGINEER
48279
CARLOS SANCHEZ SORIA
Date Signed 10/30/15
ARIZONA, U.S.A.
Expires 9/30/17

SHEET 65 OF 176

TY Lin Half Scale.tb
Omar Gloria
11/2/2015 10:48:05 AM
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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	AZ	62952173 & 662170001			

PAVING CONSTRUCTION NOTES

1	CONSTRUCT PAVEMENT PER TYPICAL SECTIONS, SEE SHEET 43-44 FOR QUANTITIES	51,918 SF
2	FURNISH AND INSTALL SURVEY MARKER PER MAG STD DET 120-1, TYPE A.	2 EA
9	ADJUST SEWER MANHOLE FRAME AND COVER PER MAG STD DET 422.	2 EA
10	ADJUST VALVE COVER TO FINISHED GRADE PER MAG STD DET 391-1, TYPE A.	2 EA
12	PROTECT IN PLACE.	N.P.I.
23	FURNISH INSTALL TRUNCATED DOMES FOR EXISTING SIDEWALK RAMPS.	40 SF
28	CONCRETE SPILLWAY PER DETAIL ON SHEET 31.	3 EA

REMOVAL / RELOCATE NOTES

1	REMOVE EXISTING AC PAVEMENT.	51,918 SF
2	REMOVE EXISTING CONCRETE CURB.	77 LF
10	REMOVE EXISTING SIDEWALK.	385 SF

STORM DRAIN CONST. NOTES

10	CONSTRUCT CONCRETE SCUPPER PER MAG STD DET 206.	5 EA
16	FURNISH & INSTALL DUMPED RIP RAP D_{50} AND BED THICKNESS AS SHOWN ON PLANS.	33 TN

SEE SHEET 66
MATCH LINE STA 161+00

MATCH LINE STA 170+50
SEE SHEET 68

210-71-937-F
RANCHO BELLA VISTA
HOMEOWNERS ASSOC

210-66-951-C
JOHNSON RANCH
COMMUNITY ASSOC INC

APPALACHIAN TRAIL

STARDUST DRIVE

BELLA VISTA ROAD

STA 162+00 8" OPENING D50=6" BT=12" 16 — 10 2 10
STA 162+00 4" OPENING D50=6" BT=12" 16 — 10 2 10
STA 165+20 4" OPENING D50=6" BT=12" 16 — 10 2 10
STA 169+00 8" OPENING D50=6" BT=12" 16 — 10 2 10
12 SRP POLE
1 STRUCTURAL SECTION #4
28
23
9
2
1

EX R/W 50' — EX L/G 30' — EX L/G 25' — EX R/W 50'
1'± — 20'± — 51'± — 18'±

PI: 166+19.14
PI: 169+75.14

N89° 33' 55.87"E
1632.763
N89° 30' 47.16"E
356.001

162+00 163+00 164+00 165+00 166+00 167+00 168+00 169+00 170+00

EXISTING GRADE AT LT TOP OF CURB
PROPOSED AND EXISTING GRADE AT LT L/G
EXISTING GRADE AT ℄
PROPOSED GRADE AT ℄
EXISTING GRADE AT RT TOP CURB
PROPOSED AND EXISTING GRADE AT RT L/G

GB STA=161+00.00 P=1518.76±
GB STA=162+00.00 P=1517.35±
GB STA=163+00.00 P=1516.65±
GB STA=164+00.00 P=1515.81±
GB STA=165+00.00 P=1515.12±
GB STA=166+00.00 P=1514.61±
GB STA=167+00.00 P=1513.56±
GB STA=168+00.03 P=1512.68±
GB STA=169+00.00 P=1511.90±
GB STA=170+00.00 P=1511.18±

-0.66% -0.70% -0.84% -0.69% -0.51% -1.04% -0.89% -0.78% -0.72% -0.68%

GB STA=161+00.00 P=1518.12±
GB STA=162+00.00 P=1518.12±
GB STA=163+00.00 P=1517.31±
GB STA=164+00.00 P=1516.50±
GB STA=165+00.00 P=1515.78±
GB STA=166+00.00 P=1515.02±
GB STA=167+00.00 P=1514.24±
GB STA=168+00.00 P=1513.48±
GB STA=169+00.00 P=1512.63±
GB STA=170+00.00 P=1511.89±

-0.64% -0.80% -0.81% -0.72% -0.75% -0.79% -0.75% -0.86% -0.74% -0.80%

GB STA=161+00.00 P=1518.11±
GB STA=162+00.00 P=1517.51±
GB STA=163+00.00 P=1516.72±
GB STA=164+00.00 P=1515.84±
GB STA=165+00.00 P=1515.24±
GB STA=166+00.00 P=1514.41±
GB STA=167+00.00 P=1513.65±
GB STA=168+00.00 P=1513.00±
GB STA=169+00.00 P=1512.14±
GB STA=169+23.62 P=1511.93
GB STA=170+00.00 P=1511.43
GB STA=170+26.58 P=1511.22

-0.66% -0.79% -0.88% -0.59% -0.83% -0.77% -0.65% -0.86% -0.90% -0.65% -0.81% -0.85%

1514

161+00 162+00 163+00 164+00 165+00 166+00 167+00 168+00 169+00

NOTE: FOR STORM DRAIN SEE SHEETS 85-98
NOTE: FOR SIGNING & MARKING SEE SHEETS 112-125
NOTE: FOR DRIVEWAY PROFILE SEE SHEETS 74-80

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ARIZONA 811
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In Maricopa County: (602) 263-1100

40 0 40 80 120
SCALE: 1" = 40'
VERT: 1" = 4'

NO.	REVISION	BY	APPR	DATE
1	ADDED PAVEMENT REMOVAL & SURVEY MONUMENT	OG	CSS	10-30
	NOTE			

	NAME	DATE
DESIGN	DF	9/15
DRAWN	DR	9/15
CHECKED	CSS	9/15

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PINAL COUNTY DEPARTMENT OF PUBLIC WORKS
ENGINEERING BRANCH
DESIGN SECTION

PAVING PLAN AND PROFILE SHEET

LOCATION HUNT HIGHWAY PHASE 3 – GARY ROAD TO BELLA VISTA ROAD
GANTZEL ROAD PHASE D-1 – OMEGA DRIVE TO POSTON BUTTE HIGH SCHOOL

48279 CARLOS SANCHEZ SORIA — Date Signed 10/30/15 — ARIZONA, U.S.A. — Expires 9/30/17

SHEET 67 OF 176

11/3/2015 9:06:28 AM Carlos Sanchez-Soria TY Lin Half Scale.ctb
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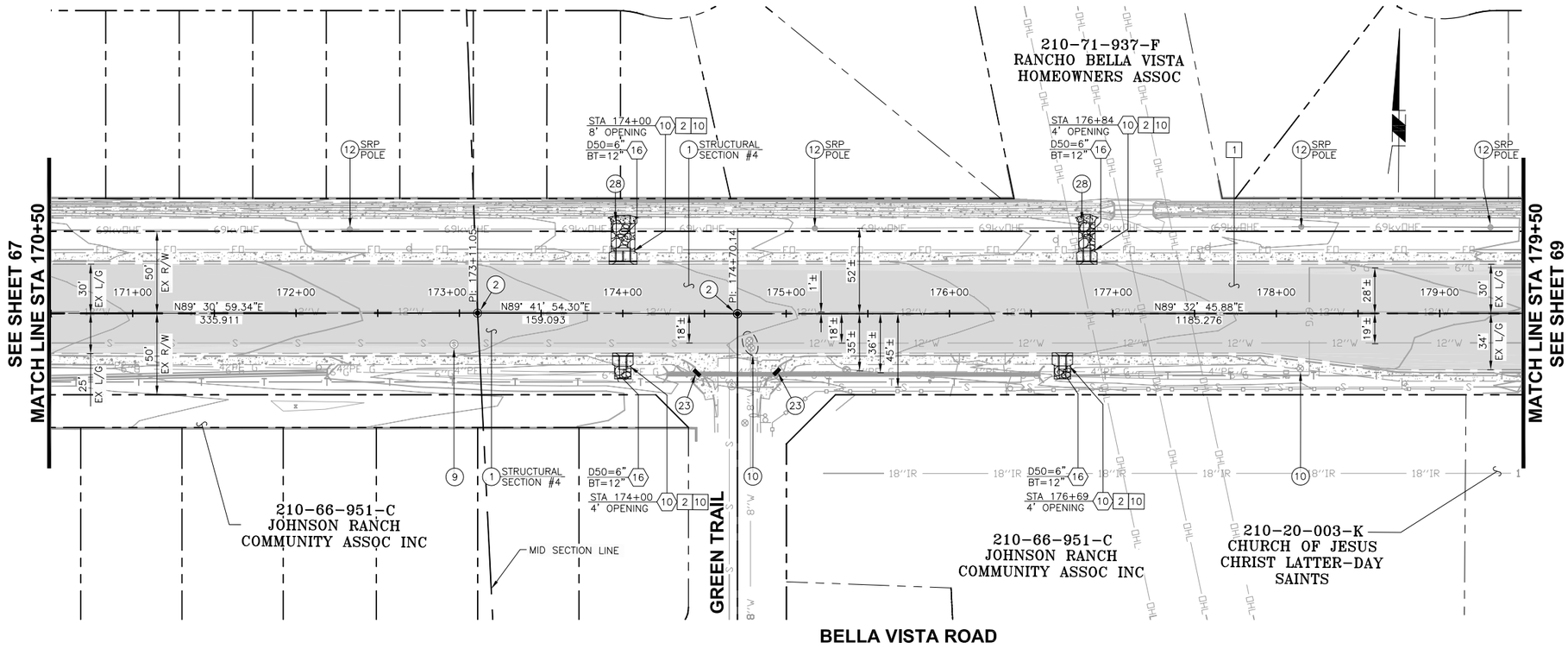

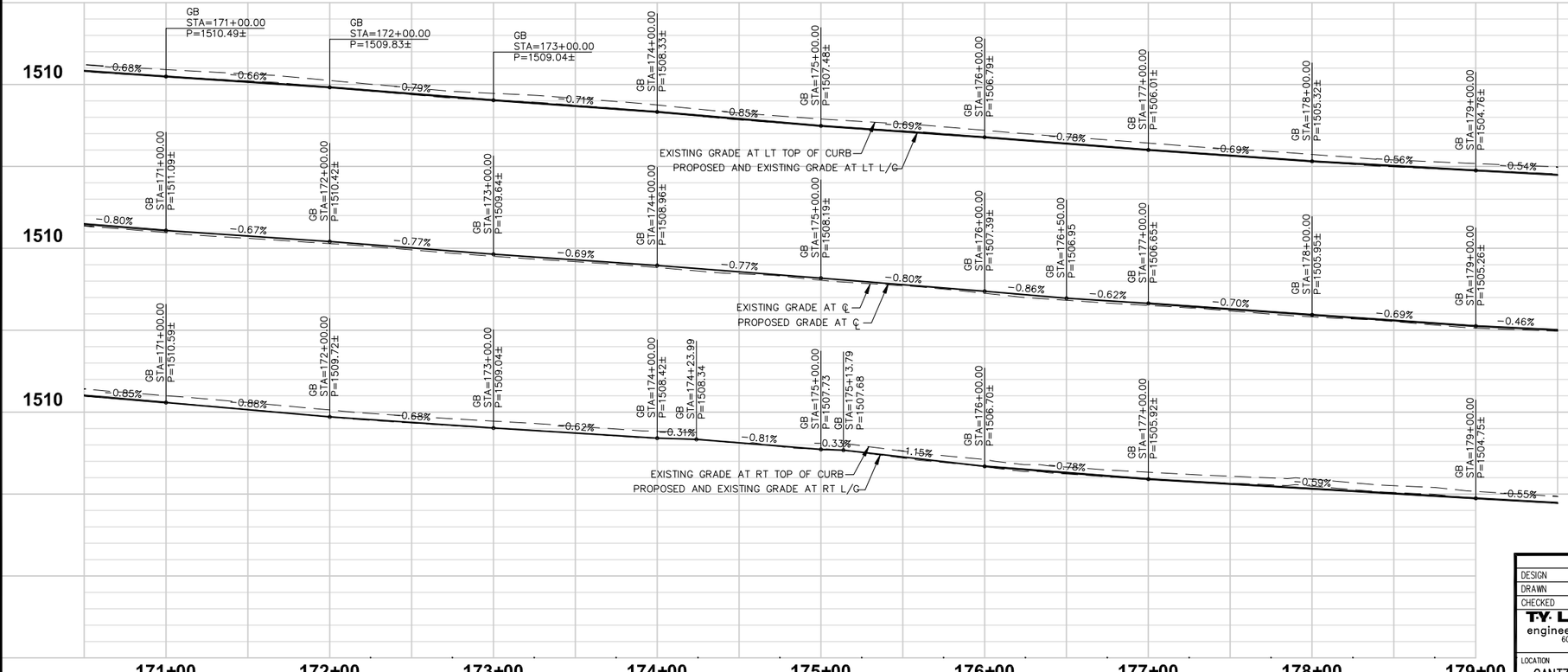

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	AZ	62952173 & 662170001			

PAVING CONSTRUCTION NOTES

1	CONSTRUCT PAVEMENT PER TYPICAL SECTIONS, SEE SHEET 43-44 FOR QUANTITIES.	50,244 SF
2	FURNISH AND INSTALL SURVEY MARKER PER MAG STD DET 120-1, TYPE A.	2 EA
9	ADJUST SEWER MANHOLE FRAME AND COVER PER MAG STD DET 422.	1 EA
10	ADJUST VALVE COVER TO FINISHED GRADE PER MAG STD DET 391-1, TYPE A.	5 EA
12	PROTECT IN PLACE.	N.P.I.
23	FURNISH INSTALL TRUNCATED DOMES FOR EXISTING SIDEWALK RAMPS.	20 SF
28	CONCRETE SPILLWAY PER DETAIL ON SHEET 31.	2 EA

REMOVAL / RELOCATE NOTES

1	REMOVE EXISTING AC PAVEMENT.	50,244 SF
2	REMOVE EXISTING CONCRETE CURB.	56 LF
10	REMOVE EXISTING SIDEWALK.	280 SF

STORM DRAIN CONST. NOTES

10	CONSTRUCT CONCRETE SCUPPER PER MAG STD DET 206.	4 EA
16	FURNISH & INSTALL DUMPED RIP RAP D_{50} AND BED THICKNESS AS SHOWN ON PLANS.	24 TN

NOTE: FOR STORM DRAIN SEE SHEETS 85-98

NOTE: FOR SIGNING & MARKING SEE SHEETS 112-125

NOTE: FOR DRIVEWAY PROFILE SEE SHEETS 74-80

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40 0 40 80 120
SCALE: 1" = 40'
VERT: 1" = 4'

NO.	REVISION	BY	APPR	DATE
1	ADDED PAVEMENT REMOVAL & SURVEY MONUMENT	OG	CSS	10-30
	NOTE			

	NAME	DATE
DESIGN	DF	9/15
DRAWN	DR	9/15
CHECKED	CSS	9/15

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ENGINEERING BRANCH
DESIGN SECTION

PAVING PLAN AND PROFILE SHEET

LOCATION
HUNT HIGHWAY PHASE 3 - GARY ROAD TO BELLA VISTA ROAD
GANTZEL ROAD PHASE D-1 - OMEGA DRIVE TO POSTON BUTTE HIGH SCHOOL

48279 CARLOS SANCHEZ SORIA
Date Signed 10/30/15
ARIZONA U.S.A.
Expires 9/30/17

SHEET 68 OF 176

11/3/2015 9:06:33 AM Carlos Sanchez-Soria TY Lin Half Scale.ctb

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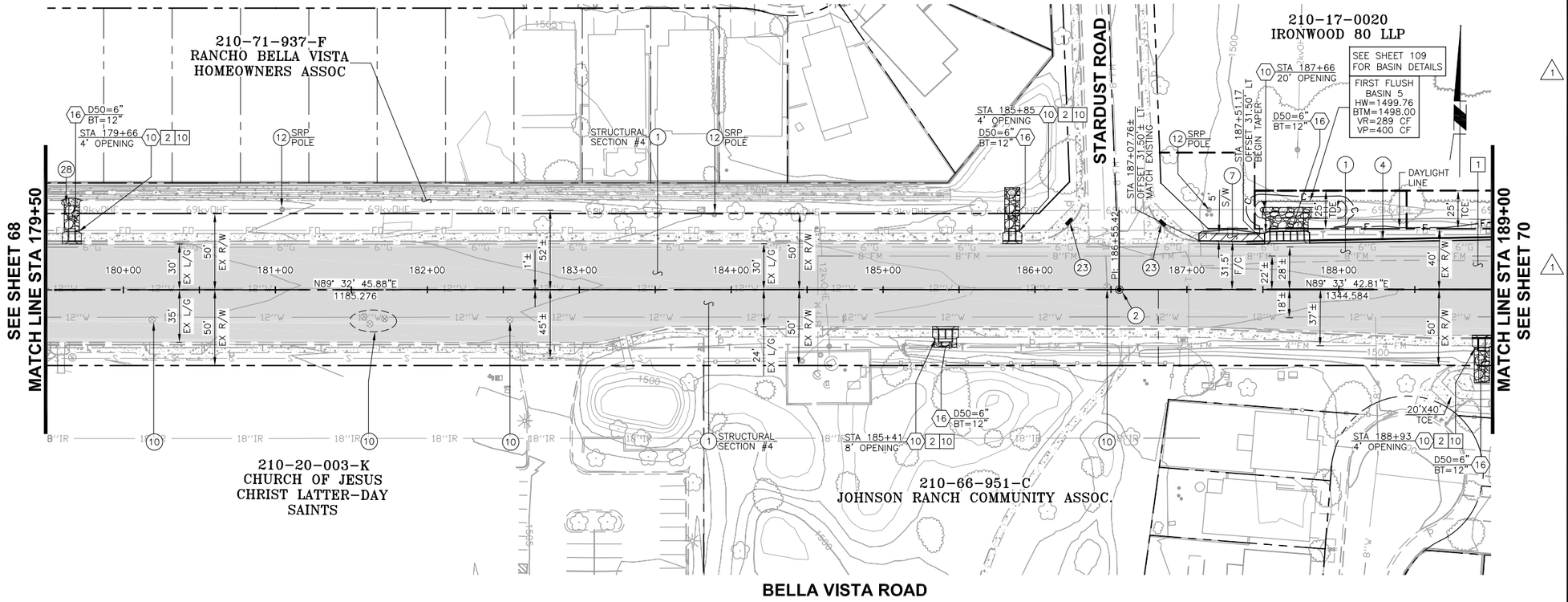

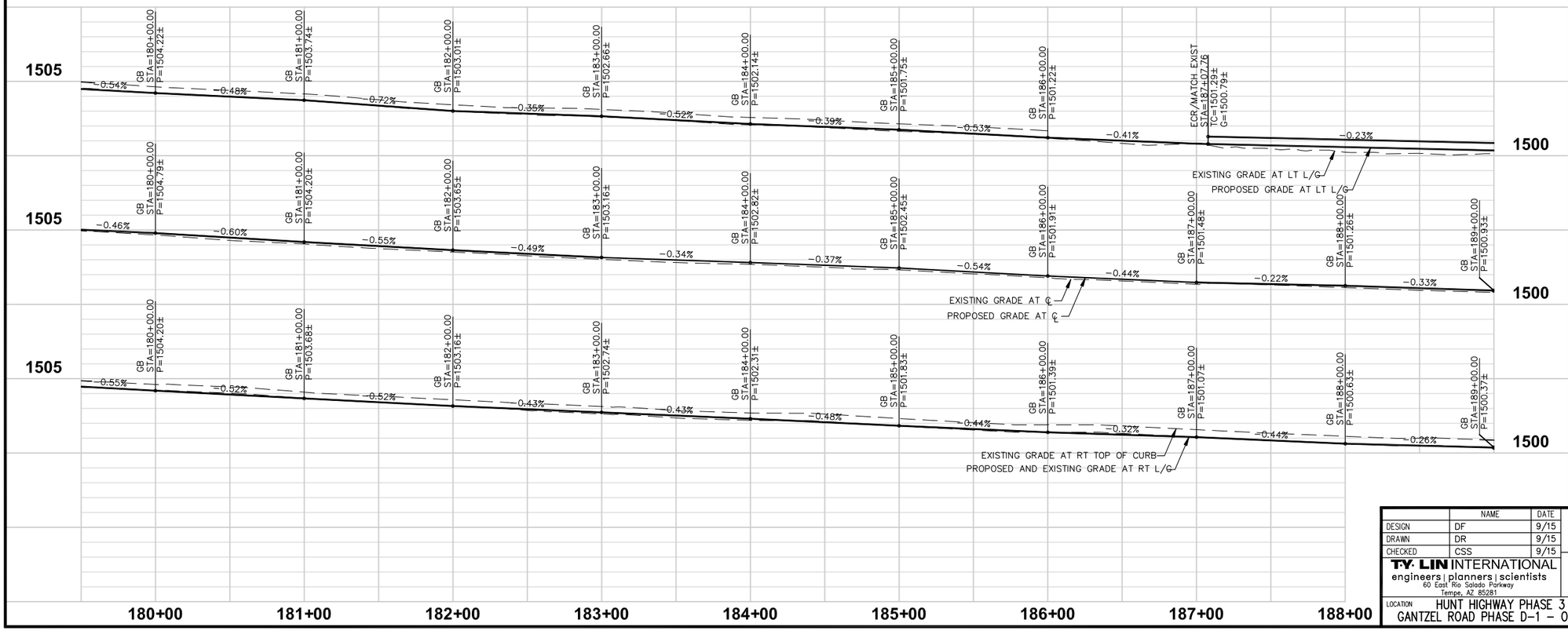

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	AZ	62952173 & 662170001			

PAVING CONSTRUCTION NOTES

1	CONSTRUCT PAVEMENT PER TYPICAL SECTIONS, SEE SHEET 43-44 FOR QUANTITIES.	60,194 SF
2	FURNISH AND INSTALL SURVEY MARKER PER MAG STD DET 120-1, TYPE A.	1 EA
4	CONSTRUCT CURB & GUTTER PER MAG STD DET 220, TYPE A, H=6".	163 LF
7	CONSTRUCT CONCRETE SIDEWALK PER MAG STD DET 230. WIDTH PER PLAN.	
10	ADJUST VALVE COVER TO FINISHED GRADE PER MAG STD DET 391-1, TYPE A.	6 EA
12	PROTECT IN PLACE.	N.P.I.
23	FURNISH INSTALL TRUNCATED DOMES FOR EXISTING SIDEWALK RAMPS.	20 SF
28	CONCRETE SPILLWAY PER DETAIL ON SHEET 31.	2 EA

REMOVAL / RELOCATE NOTES

1	REMOVE EXISTING AC PAVEMENT.	57,748 SF
2	REMOVE EXISTING CONCRETE CURB.	43 LF
10	REMOVE EXISTING SIDEWALK.	215 SF

STORM DRAIN CONST. NOTES

10	CONSTRUCT CONCRETE SCUPPER PER MAG STD DET 206.	6 EA
16	FURNISH & INSTALL DUMPED RIP RAP D_{50} AND BED THICKNESS AS SHOWN ON PLANS.	53 TN

NOTE: FOR STORM DRAIN SEE SHEETS 85-98

NOTE: FOR SIGNING & MARKING SEE SHEETS 112-125

NOTE: FOR DRIVEWAY PROFILE SEE SHEETS 74-80

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40 0 40 80 120
SCALE: 1" = 40'
VERT: 1" = 4'

NO.	REVISION	BY	APPR	DATE
1	REVISED QUANTITY ON PAVEMENT REMOVAL NOTE	OG	CSS	10-30

	NAME	DATE
DESIGN	DF	9/15
DRAWN	DR	9/15
CHECKED	CSS	9/15

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PINAL COUNTY DEPARTMENT OF PUBLIC WORKS
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PAVING PLAN AND PROFILE SHEET

LOCATION HUNT HIGHWAY PHASE 3 – GARY ROAD TO BELLA VISTA ROAD
GANTZEL ROAD PHASE D-1 – OMEGA DRIVE TO POSTON BUTTE HIGH SCHOOL

CERTIFICATE NO. 46279 CARLOS SANCHEZ SORIA Date Signed 10/30/15 ARIZONA, U.S.A. Expires 9/30/17

SHEET 69 OF 176

11/3/2015 9:06:38 AM Carlos Sanchez-Soria TY Lin Half Scale.ctb
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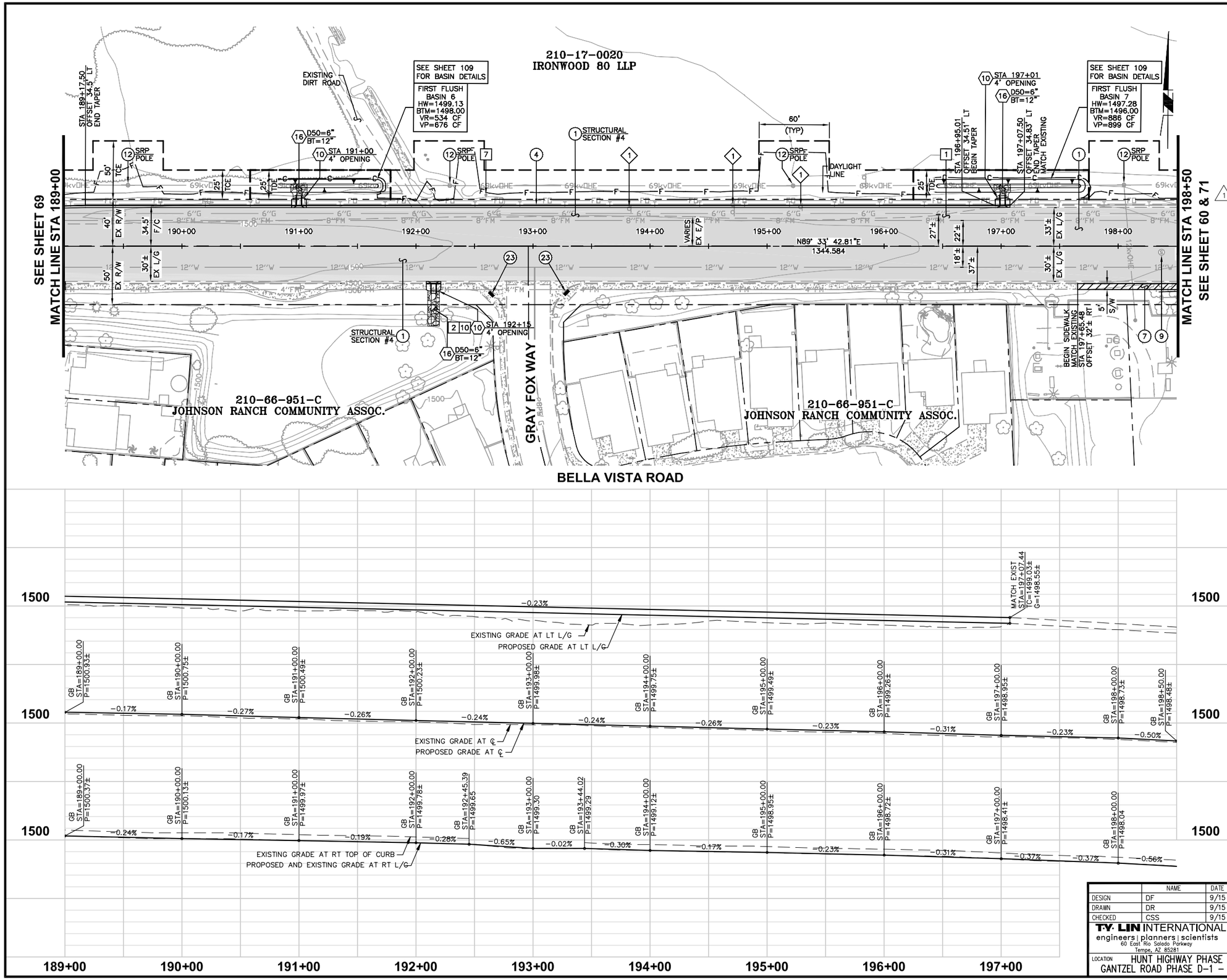

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	AZ	62952173 & 662170001			

PAVING CONSTRUCTION NOTES

1	CONSTRUCT PAVEMENT PER TYPICAL SECTIONS, SEE SHEET 43-44 FOR QUANTITIES.	59,893 SF
4	CONSTRUCT CURB & GUTTER PER MAG STD DET 220, TYPE A, H=6".	783 LF
7	CONSTRUCT CONCRETE SIDEWALK PER MAG STD DET 230. WIDTH PER PLAN.	423 SF
9	ADJUST SEWER MANHOLE FRAME AND COVER PER MAG STD DET 422.	1 EA
12	PROTECT IN PLACE.	N.P.I.
23	FURNISH INSTALL TRUNCATED DOMES FOR EXISTING SIDEWALK RAMPS.	20 SF

REMOVAL / RELOCATE NOTES

1	REMOVE EXISTING AC PAVEMENT.	51,677 SF
2	REMOVE EXISTING CONCRETE CURB.	13 LF
10	REMOVE EXISTING SIDEWALK.	65 SF

REMOVAL / RELOCATE BY OTHERS

1 SEE SIGNING AND STRIPING PLANS FOR REMOVAL/ RELOCATION OF STREET SIGNS.

STORM DRAIN CONST. NOTES

10	CONSTRUCT CONCRETE SCUPPER PER MAG STD DET 206.	3 EA
16	FURNISH & INSTALL DUMPED RIP RAP D_{50} AND BED THICKNESS AS SHOWN ON PLANS.	27 TN

NOTE: FOR STORM DRAIN SEE SHEETS 85-98

NOTE: FOR SIGNING & MARKING SEE SHEETS 112-125

NOTE: FOR DRIVEWAY PROFILE SEE SHEETS 74-80

Call at least two full working days before you begin excavation.
ARIZONA 811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

40 0 40 80 120
SCALE: 1" = 40'
VERT: 1" = 4'

NO.	REVISION	BY	APPR	DATE
1	REVISED QUANTITY ON PAVEMENT REMOVAL NOTE	OG	CSS	10-30

	NAME	DATE
DESIGN	DF	9/15
DRAWN	DR	9/15
CHECKED	CSS	9/15

T·Y· LIN INTERNATIONAL
engineers | planners | scientists
60 East Rio Salado Parkway
Tempe, AZ 85281

PINAL COUNTY DEPARTMENT OF PUBLIC WORKS
ENGINEERING BRANCH
DESIGN SECTION

PAVING PLAN AND PROFILE SHEET

LOCATION HUNT HIGHWAY PHASE 3 – GARY ROAD TO BELLA VISTA ROAD
GANTZEL ROAD PHASE D-1 – OMEGA DRIVE TO POSTON BUTTE HIGH SCHOOL

Registered Professional Engineer (Civil) CERTIFICATE NO. 48279 CARLOS SANCHEZ SORIA Date Signed 10/30/15 ARIZONA, U.S.A. Expires 9/30/17

TY Lin Half Scale.ctb
Omar Gloria
11/2/2015 10:58:06 AM
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