

TOWN OF WINKELMAN, ARIZONA

QUARELLI STREET–GOLF COURSE ROAD PROJECT

PROJECT BENCHMARK

FOUND BRASS CAP FLUSH STAMPED "J 18"
ON NORTHWEST CORNER OF PEDESTRIAN BRIDGE OVER
GILA RIVER IN THE TOP OF CONCRETE RAILING
HORIZONTAL DATUM: NAD83
POSITION: N 32° 59' 07", W 110° 46' 21"
ORTHOMETRIC HEIGHT: 1929.900 (NAVD88 DATUM)
PER NATIONAL GEODETIC SURVEY CONTROL NETWORK

BASIS OF BEARING

GEODETIC NORTH BASED UPON GPS OBSERVATIONS.

ENGINEER

RICK ENGINEERING COMPANY
2401 W PEORIA AVENUE #130
PHOENIX, ARIZONA 85029
CONTACT: DALE MILLER, PE
PHONE: (480) 522-0330
EMAIL: DMILLER@RICKENGINEERING.COM

OWNER

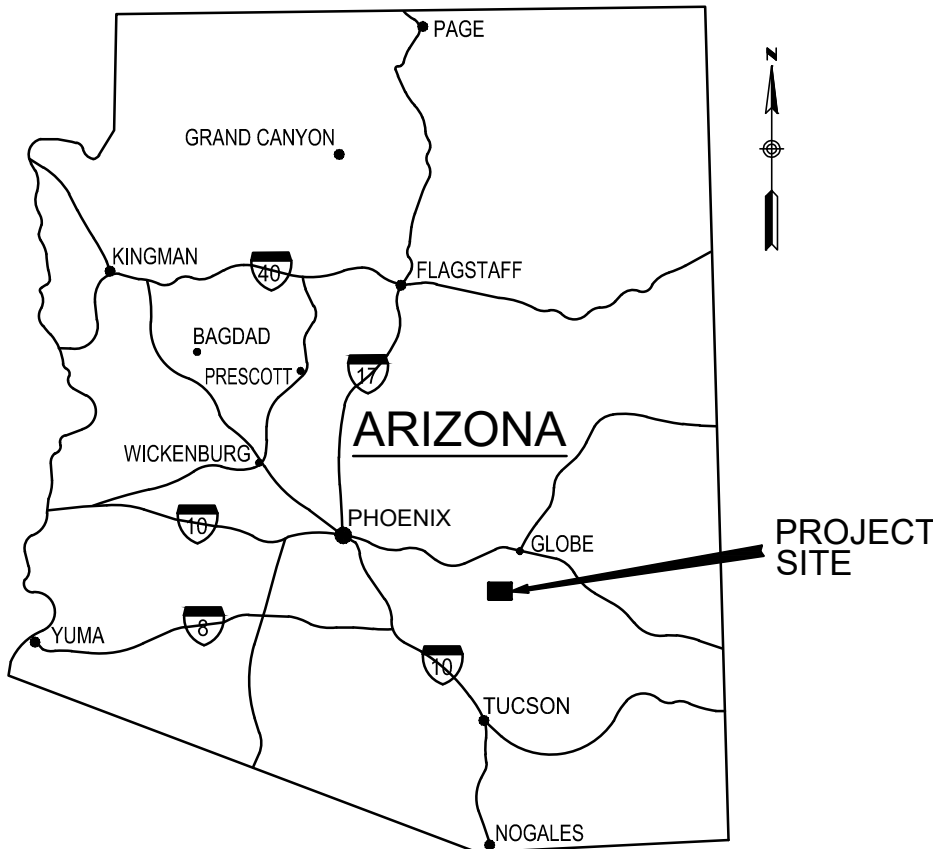
TOWN OF WINKELMAN
206 GIFFIN AVENUE
WINKELMAN, ARIZONA 85192
CONTACT: GLORIA RUIZ, TOWN CLERK
PHONE: (520) 356-7854
EMAIL: GRUIZ@TOWNOFWINKELMAN.COM

UTILITY COORDINATION

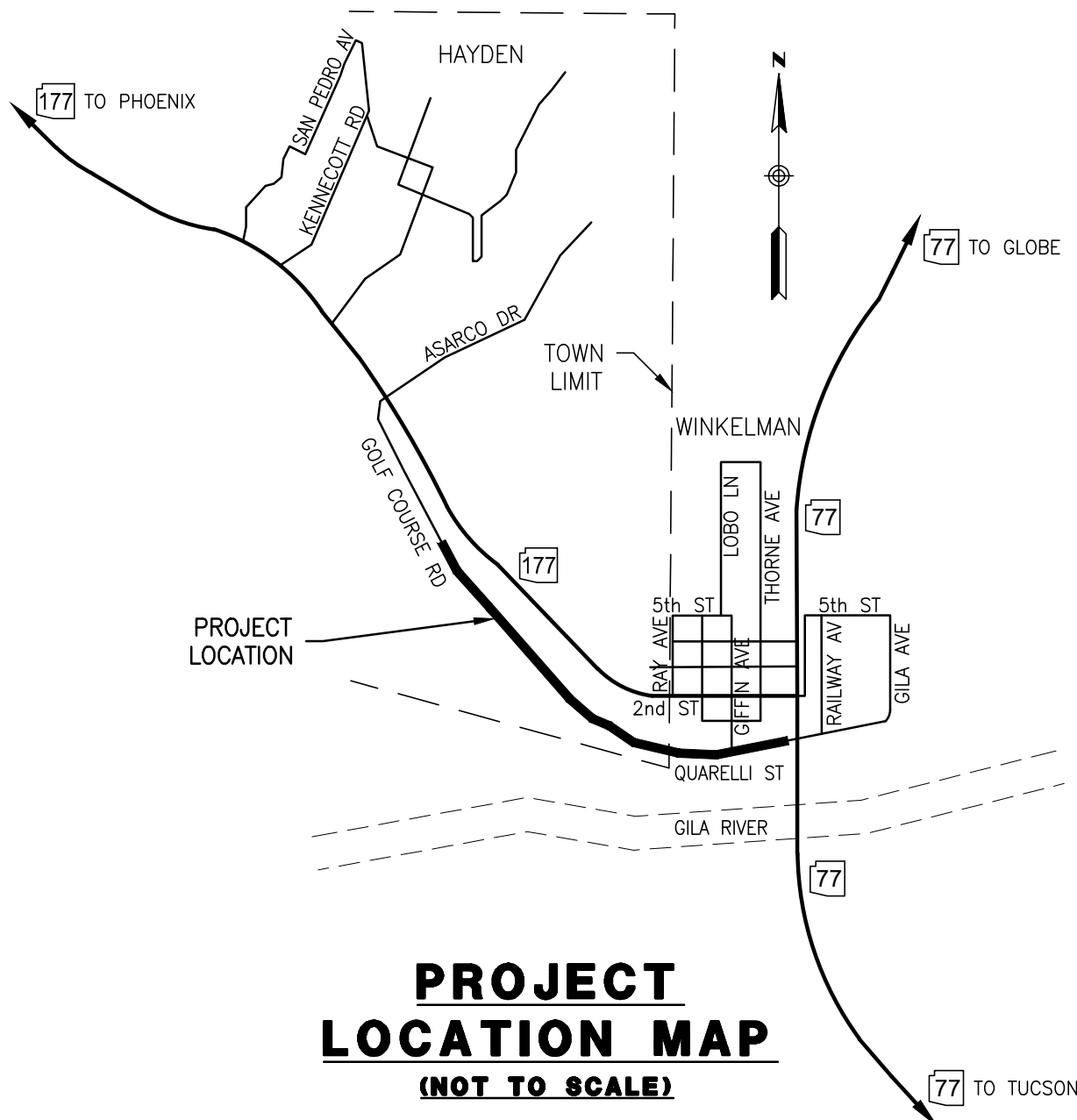
UTILITY OWNER	UTILITY	NAME	PHONE NO.	DATE SUBMITTED
ARIZONA PUBLIC SERVICE	ELECTRIC	BRYAN GOSLIN	(520) 421-8309	9/20/2024
ASARCO	ELECTRIC	JASON ABPLANALP	(520) 247-4205	9/20/2024
LUMEN (CENTURYLINK)	TELECOMMUNICATIONS	TREVOR DOUGLAS	(800) 778-9140	9/20/2024
ZAYO	TELECOMMUNICATIONS	ZAYO LOCATE DESK	(800) 961-6500	9/20/2024
CABLE ONE	TELECOMMUNICATIONS	CHRIS GUTHREY	(800) 778-9140	9/20/2024
SOUTHWEST GAS	GAS	WALTER RICHTER	(520) 794-6585	9/20/2024
EL PASO NATURAL GAS	GAS	DONNA WILLIAMS	(575) 494-0427	9/20/2024
TOWN OF HAYDEN	WATER/SEWER	GARY CRUZ	(928) 812-2097	9/20/2024
TOWN OF WINKELMAN	SEWER	ART MONTERDE	(520) 812-5417	9/20/2024
ARIZONA WATER CO.	WATER	JASON LINDEN	(928) 240-6470	9/20/2024

PLAN SHEET LEGEND

EXISTING	DESCRIPTIONS	SYMBOL	DESCRIPTIONS
	— CENTERLINE	CL	— CENTERLINE
	— WATER METER	EX	— EXISTING
	— STREET SIGN	STA	— STATION
	— STREETLIGHT	LF	— LINEAR FEET
	— UTILITY POLE	SF	— SQUARE FEET
	— GAS METER	SY	— SQUARE YARDS
	— GAS VALVE	EA	— EACH
	— MAILBOX	TYP	— TYPICAL
	— DOWNGUY	LT	— LEFT
	— GUARDRAIL	RT	— RIGHT
	— FENCE	DIP	— DUCTILE IRON PIPE
	— SEWER MAIN	CLR	— CLEARANCE
	— BURIED TELE. LINE	SC	— SADDLE CONNECTION
	— GAS LINE	GB	— GRADE BREAK
	— BURIED ELECTRIC	ARV	— AIR RELEASE VALVE
	— OVERHEAD ELECTRIC	OHE	— OVERHEAD ELECTRIC LINE
	— WATER LINE	R/W	— RIGHT OF WAY
	— WATER METER	EDR	— EDGE OF DIRT ROAD
	— BACKFLOW PREVENTER	EP	— EDGE OF PAVEMENT
	— TELECOM/GAS MARKERS	AC	— ASPHALTIC CONCRETE
	— TELECOM PEDESTAL	PCCP	— PORTLAND CEMENT CONC PAVEMENT
	— TELECOM MANHOLE	RAP	— RECYCLED ASPHALT PAVEMENT
	— SEWER MANHOLE	CLF	— CHAIN LINK FENCE
	— WATER VALVE	GV	— GATE VALVE
	— FIRE HYDRANT	PC	— POINT OF CURVATURE
		PT	— POINT OF TANGENCY
		PCC	— POINT OF COMPOUND CURVATURE
		PRC	— POINT OF REVERSE CURVATURE
		BVCS, BVCE, EVCS, &	
		EVCE	— BEGIN/END VERTICAL CURVE
			STATION/ELEVATION



VICINITY MAP
(NOT TO SCALE)



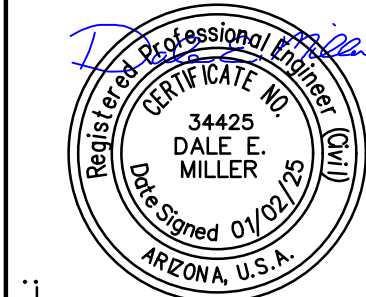
PROJECT
LOCATION MAP
(NOT TO SCALE)

SHEET INDEX

NO.	TITLE	DESCRIPTION
1	CV-01	COVER SHEET
2	GN-01	GENERAL NOTES
3	DT-01	ROADWAY TYPICAL SECTIONS
4	DT-02	PAVEMENT SECTIONS
5	DT-03	CROSSWALK DETAILS
6	DT-04	GRADING DETAILS
7	PP-01	STA 38+00 TO STA 43+00
8	PP-02	STA 43+00 TO STA 48+00
9	PP-03	STA 48+00 TO STA 53+00
10	PP-04	STA 53+00 TO STA 58+00
11	PP-05	STA 58+00 TO STA 63+00
12	PP-06	STA 63+00 TO STA 68+00
13	PP-07	STA 68+00 TO STA 73+00
14	PP-08	STA 73+00 TO STA 78+00
15	PP-09	STA 78+00 TO STA 83+00
16	PPM-01	STA 104+00 TO STA 109+00
17	PPM-02	STA 109+00 TO STA 114+00
18	PPM-03	STA 114+00 TO STA 119+00
19	PPM-04	STA 119+00 TO STA 124+00
20	PPM-05	STA 124+00 TO STA 127+00
21	PPM-06	STA 127+00 TO STA 130+00
22	SS-01	STA 38+00 TO STA 43+00
23	SS-02	STA 43+00 TO STA 53+00
24	SS-03	STA 53+00 TO STA 63+00
25	SS-04	STA 63+00 TO STA 73+00
26	SS-05	STA 73+00 TO STA 83+00

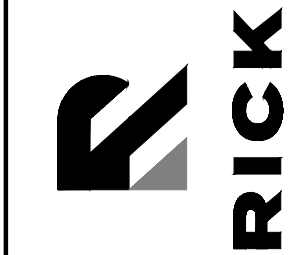
ESTIMATED QUANTITIES

ITEM #	ITEM DESCRIPTION	QTY	UNIT
1	CLEARING & GRUBBING	2.5	AC
2	EARTHWORK	1	LS
3	MILL ASPHALT PAVEMENT, 2.25" AVE DEPTH	12,711	SY
4	REMOVE CURB & GUTTER	140	LF
5	REMOVE CONCRETE PAVEMENT	689	SF
6	REMOVE & REINSTALL FENCE & GATES	263	LF
7	CONSTRUCT RIPRAP EROSION CONTROL SWALE	20	TN
8	CONSTRUCT GROUTED RIPRAP SLOPE PROTECTION	1,940	SF
9	PREPARE EXISTING & CONSTRUCT NEW AGGREGATE BASE COURSE, 4.5"-5" DEPTH	8,924	SY
10	CONSTRUCT ASPHALT CONCRETE PAVEMENT	4,063	TN
11	CONSTRUCT SPEED TABLE WITH CROSSWALK & SIGNS	2	EA
12	CONSTRUCT SPEED HUMP	3	EA
13	CONSTRUCT RAP BASE FOR MULTIUSE PATH, 5" DEPTH	34,632	SF
14	CONSTRUCT PCC PATH PAVEMENT, 5" DEPTH	1,745	SF
15	CONSTRUCT VERTICAL CURB & GUTTER	1,535	LF
16	SPREAD & COMPACT RAP OR AB MATERIAL ON DRIVEWAYS TO MATCH AC	204	SY
17	ADJUST MANHOLE TO FINISHED GRADE	4	EA
18	ADJUST WATER VALVE TO FINISHED GRADE	2	EA
19	ADJUST WATER METER BOX TO FINISHED GRADE	4	EA
20	RELOCATE BACKFLOW PREVENTER	1	EA
21	HYDRAULIC SEEDING OF DISTURBED AREAS	1.5	AC
22	APPLY DOUBLE YELLOW THERMOPLASTIC CENTERLINE STRIPING, 4" WIDTH	4,379	LF
23	APPLY WHITE THERMOPLASTIC EDGE LINE STRIPING, 6" WIDTH	6,395	LF
24	APPLY WHITE THERMOPLASTIC STOP BAR STRIPING, 24" WIDTH	26	LF
25	APPLY WHITE THERMOPLASTIC ARROW SYMBOL	4	EA
26	APPLY WHITE THERMOPLASTIC ONLY LEGEND	1	EA
27	RELOCATE TRAFFIC SIGN ASSEMBLY	4	EA
28	INSTALL TRAFFIC SIGN ASSEMBLY	1	EA
29	TRAFFIC CONTROL	1	LS
30	MOBILIZATION	1	LS



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QUARELLI STREET –
GOLF COURSE ROAD PROJECT
TOWN OF WINKELMAN, ARIZONA



DRAWING NO.
CV-01
SHEET NO. 1 OF 26

COVER SHEET

PROJECT NO: 7071
DRAWN/DESIGNED BY: K. ROECKNER
CHECKED BY: D. MILLER
DATE: 01/02/2025

SEAL:

NO. BY DATE REVISION

RICK ENGINEERING COMPANY NOTES

GENERAL

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL IMPROVEMENTS ARE BUILT, CONSTRUCTED, AND/OR INSTALLED IN ACCORDANCE WITH THESE PROJECT PLANS AND THE TECHNICAL SPECIFICATIONS FOR THE WORK
2. THE CONTRACTOR IS RESPONSIBLE FOR THE SURVEY, LAYOUT, AND STAKING OF THE PROPOSED IMPROVEMENTS FOR CONSTRUCTION PURPOSES
3. IF THERE ARE ANY QUESTIONS REGARDING THE PLANS OR THE INTENT OF THE DESIGN, THE CONTRACTOR SHALL CONTACT THE ENGINEER AND DISCUSS THE ISSUE SO THAT IT IS CLARIFIED OR RESOLVED PRIOR TO THE START OF CONSTRUCTION
4. THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS AND PRECAUTIONS TO PROTECT AND SAFEGUARD ADJACENT IMPROVEMENTS AND PROPERTY FROM DAMAGE DUE TO CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND OBTAINING ANY PERMITS NEEDED TO COMPLETE THE PROJECT, POTENTIALLY INCLUDING AN AGENCY BUSINESS LICENSE, RIGHT OF WAY WORK PERMIT, WATER USAGE AGREEMENT, ETC., AND INCLUDE THE COSTS FOR THE SAME, IF ANY, IN THE PROJECT BID PRICES
6. THE CONTRACTOR SHALL ALSO EMPLOY EFFECTIVE STORM WATER MANAGEMENT TO PREVENT EROSION AND/OR SILT AND DEBRIS FROM LEAVING THE CONSTRUCTION SITE DURING THE ENTIRE DURATION OF THE PROJECT BY APPROPRIATE MEANS INCLUDING THE USE OF SAND BAGS, WADDLES, HAY BALES, TEMPORARY SILTATION BASINS, SILT DIKES/DAMS, SHORING, ETC.
7. ALL PROJECT IMPROVEMENTS INCLUDING BUT NOT LIMITED TO MANHOLE FRAMES, VALVE BOXES, VAULTS, HANDHOLES, FIRE HYDRANTS, ETC., SHALL BE SET OR RESET TO FINISHED GRADE OF THE SURROUNDING GROUND OR PAVEMENT SURFACE WHETHER OR NOT SPECIFICALLY CALLED OUT ON THE PLANS OR IN THE SPECIFICATIONS
8. QUANTITIES SHOWN ON THE PLANS ARE ESTIMATES ONLY FOR BIDDING PURPOSES. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES AND NOTIFYING THE OWNER AND THE ENGINEER IF ANY SIGNIFICANT DIFFERENCES HAVE BEEN IDENTIFIED.

UTILITIES

1. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES OR UTILITY STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED FROM UTILITY MAPPING PROVIDED BY THE VARIOUS UTILITY COMPANIES BASED ON AN AZ811 UTILITY MAPPING REQUEST
2. THE LOCATION OF THE UTILITIES MAY OR MAY NOT BE ACCURATELY SHOWN ON THE UTILITY MAPPING PROVIDED AND ON THE PROJECT PLANS
3. THERE MAY BE OTHER UTILITY LINES AND FACILITIES PRESENT THAT ARE IN SERVICE OR HAVE BEEN ABANDONED WITHIN THE PROJECT CORRIDOR OR AREA THAT ARE NOT SHOWN ON THE MAPPING AND ON THE PLANS
4. THE CONTRACTOR IS RESONSIBLE FOR CONTACTING AZ811 (BLUE STAKE) PRIOR TO COMMENCING ANY DIGGING ACTIVITIES TO HAVE THE LOCATIONS OF THE UTILITIES MARKED IN THE FIELD AT THE PROJECT SITE
5. THE CONTRACTOR IS ALSO RESPONSIBLE FOR VISUALLY INSPECTING THE MARKED UTILITIES AT THE PROJECT SITE TO ASCERTAIN IF ANY POTENTIAL CONFLICTS EXIST BETWEEN THE PROPOSED IMPROVEMENTS UNDER THIS PROJECT AND THE EXISITNG UTILITY FACILITIES
6. THE CONTRACTOR SHALL 'POTHOLE' TO DETERMINE THE EXACT LOCATION AND DEPTH OF EXISTING UTILITY FACILITIES TO IDENTIFY ANY POTENTIAL CONFLICTS BETWEEN UTILITY FACILITIES AND THE PROPOSED IMPROVEMENTS AND, IF NEEDED, REVIEW THE INFORMATION WITH THE OWNER AND THE ENGINEER TO RESOLVE ANY POTENTIAL CONFLICT PRIOR TO CONSTRUCTION
7. THE CONTRACTOR SHALL OBSERVE ALL POSSIBLE PRECAUTIONS WHEN WORKING IN CLOSE PROXIMITY TO EXISTING UTILTY LINES AND/OR STRUCTURES TO PROTECT THE SAME AND AVOID ANY DAMAGE TO THE UTILITY FACILITIES
8. SHOULD ANY UTILITY FACILITY BE DAMAGED BY THE CONTRACTOR'S ACTIVITIES, THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH THE UTILITY OWNER FOR THE REPAIR OF THE FACILITY AT NO ADDITIONAL COST TO THE PROJECT

CONSTRUCTION JOBSITE SAFETY

1. THE CONTRACTOR ASSUMES SOLE AND COMPLETE RESPONSIBILITY FOR JOBSITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY
2. THIS SAFETY REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS
3. THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER
4. NEITHER THE OWNER NOR THE ENGINEER WILL ENFORCE SAFETY MEASURES OR REGULATIONS
5. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, CONSTRUCTION, AND MAINTENANCE OF ALL SAFETY DEVICES INCLUDING SHORING
6. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS, AND REGULATIONS
7. THE CONTRACTOR SHALL FOLLOW THE GUIDELINES AND REGULATIONS AS SET FORTH BY OSHA CONCERNING THE PROJECT WORK AND JOBSITE ACTIVITIES

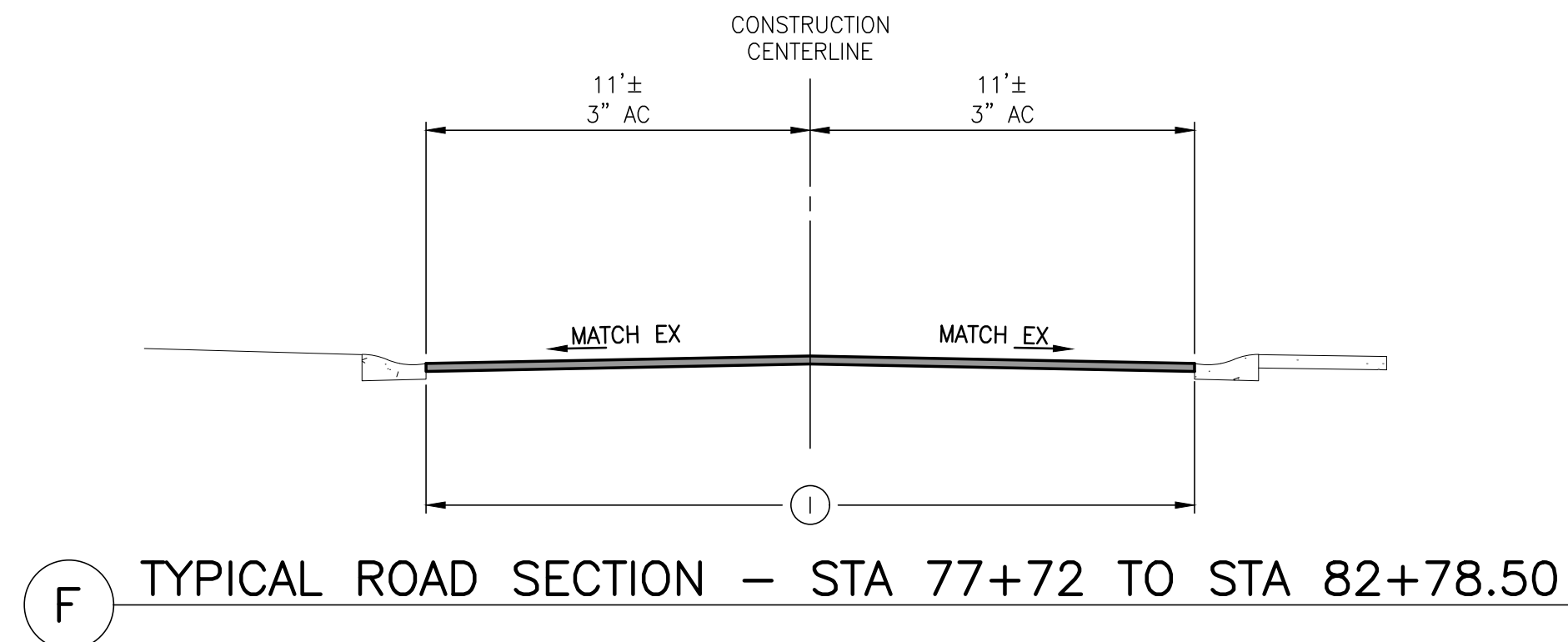
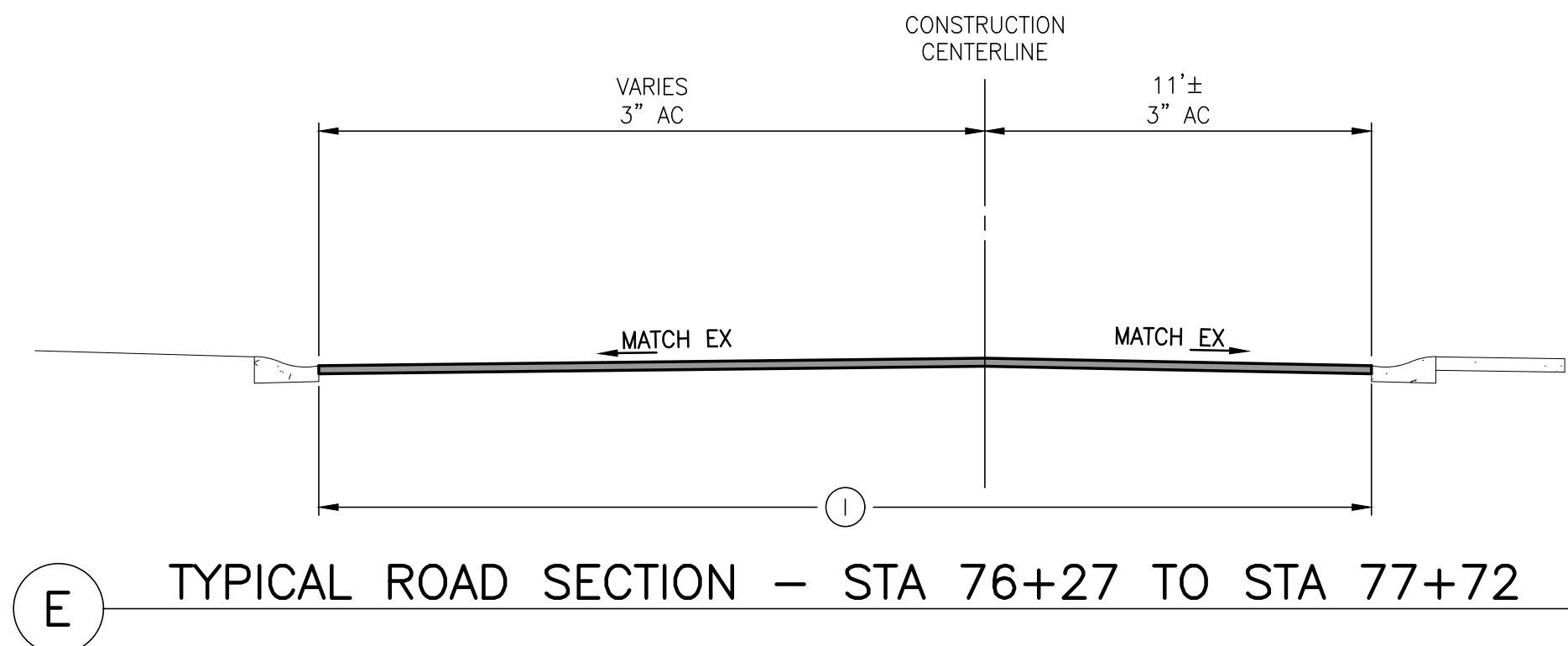
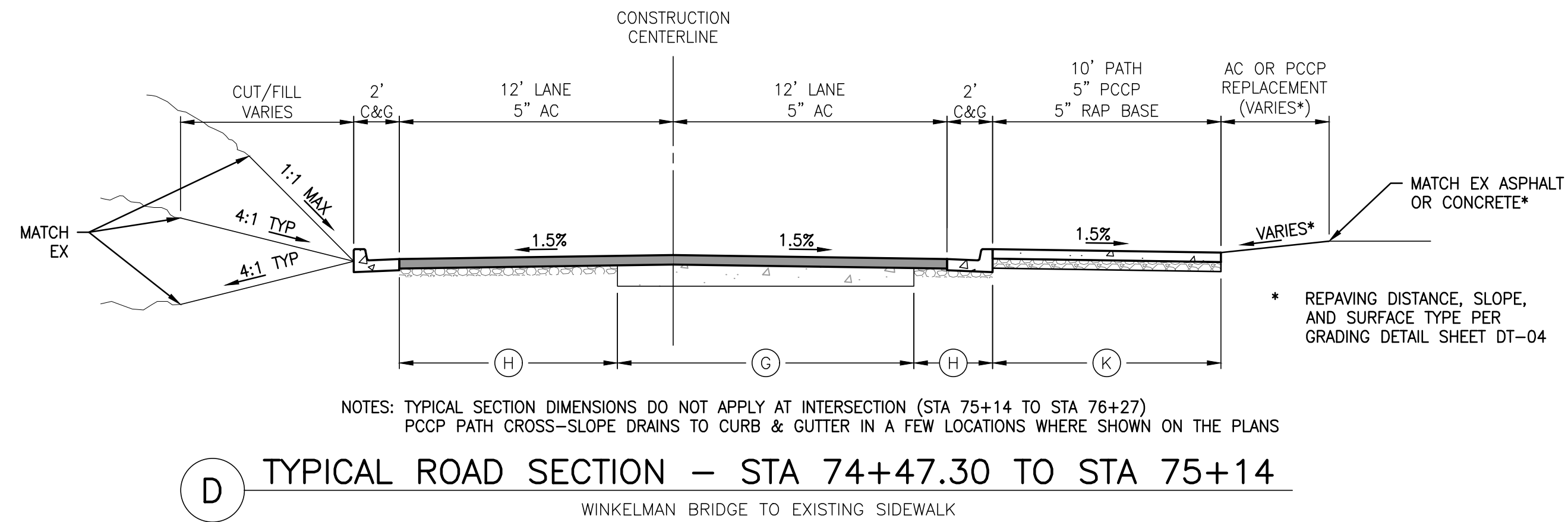
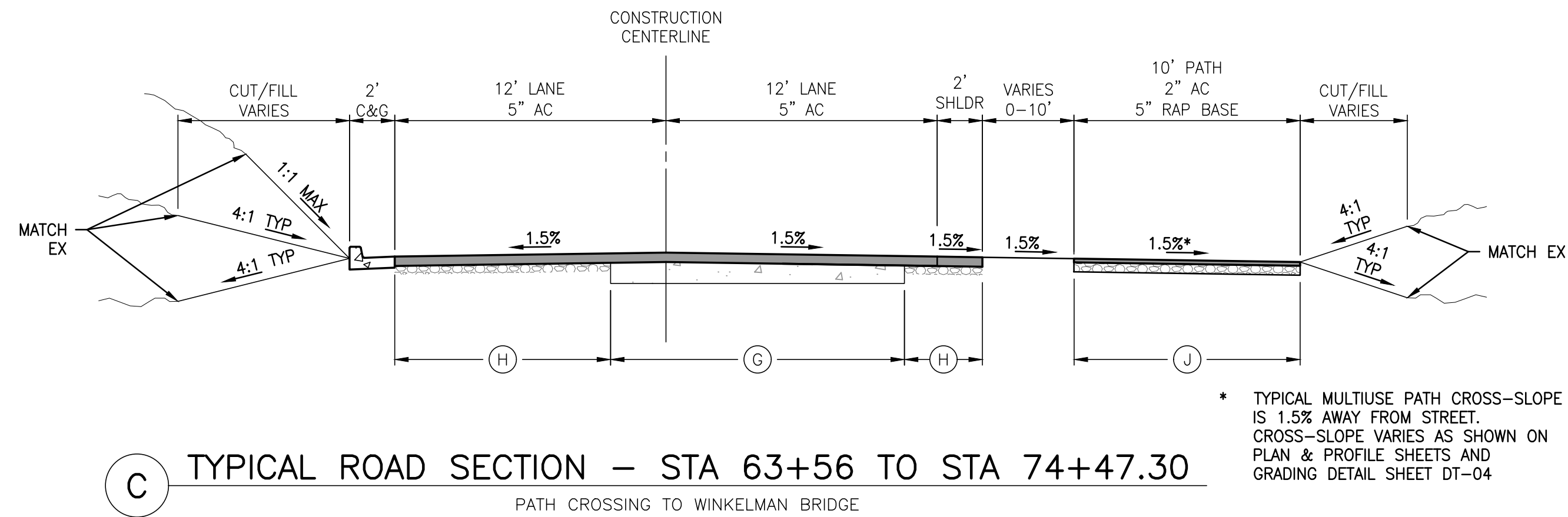
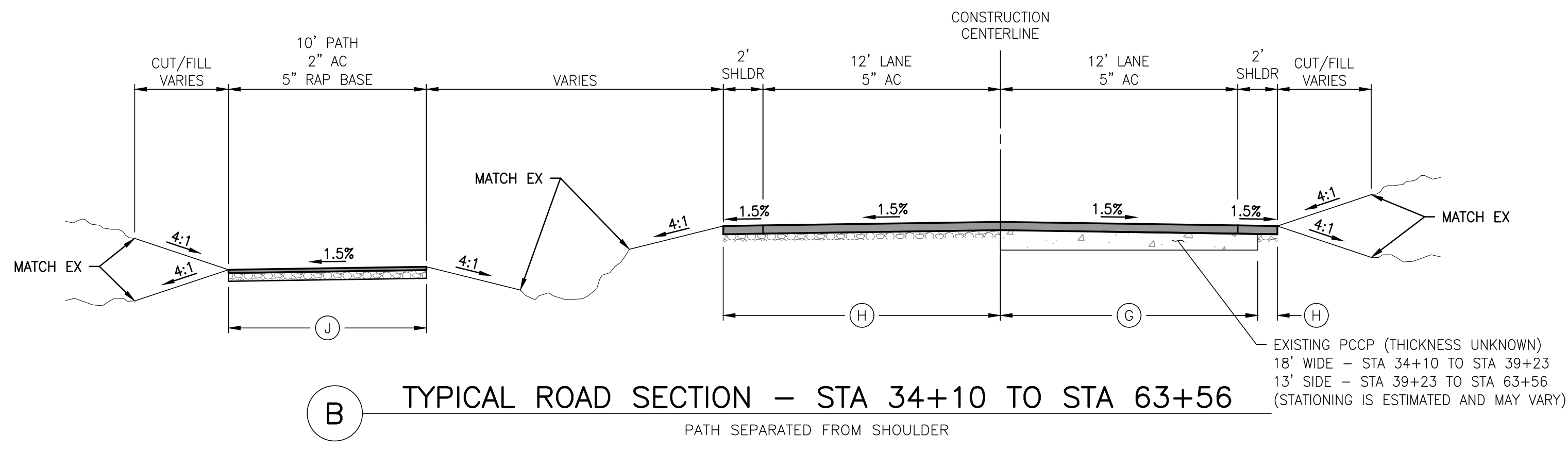
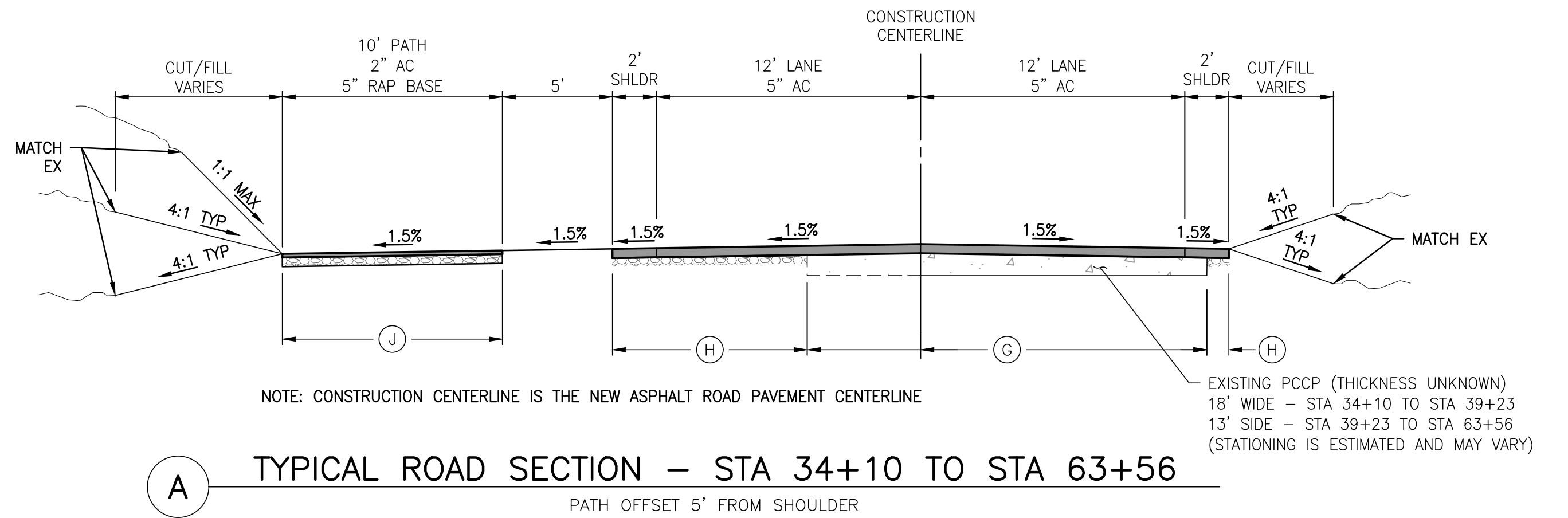
GOLF COURSE RD/QUARELLI ST PAVEMENT CENTERLINE CONTROL								
NUMBER	BEGIN POINT	BEGIN STA	END STA	LENGTH	RADIUS	DELTA (Δ)	LINE/CHORD DIRECTION	
C1	N: 725180.14, E: 511077.21	33+00.00	34+68.40	168.40'	698.00'	13°49'23"	S37° 07'	41.02"E
C2	N: 725046.21, E: 511304.29	34+68.40	38+09.41	341.01'	4292.00'	4°33'08"	S41° 45'	48.22"E
L6	N: 724791.91, E: 511426.43	38+09.41	40+01.48	192.08'			S39° 29'	14.05"E
L4	N: 724643.68, E: 511609.61	40+01.48	42+82.05	280.56'			S40° 45'	39.71"E
L5	N: 724431.17, E: 511781.36	42+82.05	45+42.77	260.72'			S41° 12'	16.61"E
L7	N: 724235.01, E: 512276.17	45+42.77	52+93.46	750.69'			S41° 14'	02.30"E
C3	N: 723670.47, E: 512279.61	52+93.46	52+98.72	5.26'	402.00'	0°45'00"	S40° 51'	32.19"E
L8	N: 723666.49, E: 512379.36	52+98.72	54+52.37	153.64'			S40° 29'	02.09"E
C4	N: 723549.63, E: 512467.73	54+52.37	55+74.72	122.35'	598.00'	11°43'21"	S46° 20'	42.49"E
C5	N: 723465.32, E: 512596.64	55+74.72	57+31.38	156.66'	1398.00'	6°25'14"	S55° 24'	59.96"E
C6	N: 723376.44, E: 512819.82	57+31.38	59+96.43	265.06'	6002.00'	2°31'49"	S57° 21'	42.58"E
C7	N: 723233.50, E: 512981.31	59+96.43	61+87.95	191.52'	3948.00'	2°46'46"	S57° 29'	11.11"E
L9	N: 723130.57, E: 513008.11	61+87.95	62+19.26	31.31'			S58° 52'	34.10"E
C8	N: 723114.39, E: 513133.82	62+19.26	63+55.75	136.49'	448.00'	17°27'21"	S67° 36'	14.50"E
C9	N: 723062.59, E: 513161.22	63+55.75	63+84.01	28.26'	1652.00'	0°58'49"	S75° 50'	30.43"E
L10	N: 723055.67, E: 513408.63	63+84.01	66+39.74	255.72'			S75° 21'	05.96"E
L11	N: 722991.00, E: 513482.66	66+39.74	67+16.40	76.67'			S74° 56'	03.76"E
C10	N: 722971.08, E: 513709.85	67+16.40	69+48.14	231.74'	1698.00'	7°49'11"	S78° 50'	39.02"E
C11	N: 722926.27, E: 513726.86	69+48.14	69+65.25	17.10'	398.00'	2°27'45"	S83° 59'	06.65"E
L12	N: 722924.48, E: 513966.26	69+65.25	72+05.48	240.24'			S85° 12'	59.01"E
C12	N: 722904.45, E: 513976.67	72+05.48	72+15.93	10.44'	398.00'	1°30'12"	S85° 58'	04.79"E
L13	N: 722903.71, E: 514007.03	72+15.93	72+46.33	30.40'			S86° 43'	10.57"E
C13	N: 722901.97, E: 514029.96	72+46.33	72+69.27	22.94'	398.00'	3°18'10"	S88° 22'	15.68"E
L16	N: 722901.32, E: 514099.64	72+69.27	73+38.95	69.68'			N89° 58'	39.22"E
C14	N: 722901.35, E: 514154.82	73+38.95	73+94.25	55.30'	500.00'	6°20'13"	N86° 48'	32.88"E
L1	N: 722904.43, E: 514278.18	73+94.25	75+18.37	124.12'			N83° 38'	26.54"E
L2	N: 722918.17, E: 514344.05	75+18.37	75+84.65	66.28'			N83° 38'	26.54"E
C15	N: 722925.52, E: 514387.67	75+84.65	76+28.82	44.16'	500.00'	5°03'39"	N81° 06'	36.90"E
L3	N: 722932.34, E: 514545.88	76+28.82	77+90.22	161.40'			N78° 34'	47.26"E
L14	N: 722964.30, E: 514978.51	77+90.22	82+31.00	440.78'			N78° 57'	57.76"E
L15	N: 723048.66, E: 515070.16	82+31.00	83+24.30	93.30'			N79° 11'	55.42"E

LUMEN TELECOM NOTES

1. THE 50PR COPPER TELECOM LINE ON THE GOLF COURSE SIDE OF THE ROAD IS DIRECT BURIED (NOT IN CONDUIT) AND DOES NOT RUN THROUGH THE TELECOM MANHOLES.
2. THERE IS A SECOND 2-DUCT TELECOM LINE ON THE SAME SIDE OF THE ROAD.
3. THE TWO TELECOM LINES ARE NOT AT THE SAME DEPTH OR IN THE SAME EXACT LOCATION.
4. TELECOM MANHOLE AT STA 65+00 RT TO BE ADJUSTED TO FINISH GRADE OF THE MULTIUSE PATH AS PART OF THIS PROJECT. EXISTING MANHOLE HAS 2 – 12" CONCRETE RINGS.
5. TELECOM CONCRETE MARKER AND TRACER BOX AT STA 65+00 RT TO BE RELOCATED BY LUMEN TO THE SOUTHWESTERLY SIDE OF THE NEW MULTIUSE PATH. FENCE RELOCATION ALONG THE PATH TO BE SET BACK SUFFICIENTLY IN THIS AREA TO ACCOMODATE THE RELOCATED TELECOM FACILITIES.
6. TELECOM MANHOLE AT STA 73+75 RT TO BE ADJUSTED TO FINISH GRADE OF THE MULTIUSE PATH AS PART OF THIS PROJECT. EXISTING MANHOLE HAS 1 – 6" AND 1 – 18" CONCRETE RING.

GOLF COURSE RD/QUARELLI ST MULTIUSE PATH CENTERLINE CONTROL										
NUMBER	BEGIN POINT	BEGIN STA	END STA	LENGTH	RADIUS	DELTA (°)	LINE/CHORD DIRECTION			
C80	N: 725095.89, E: 511094.47	100+00.00	100+44.52	44.52'	674.00'	3°47'04"	S42° 08'	50.36"E		
C81	N: 725062.89, E: 511322.81	100+44.52	103+87.44	342.92'	4316.00'	4°33'08"	S41° 45'	48.22"E		
L84	N: 724807.17, E: 511362.09	103+87.44	104+49.20	61.77'			S39° 29'	14.05"E		
C86	N: 724759.51, E: 511390.64	104+49.20	104+86.59	37.38'	100.00'	21°25'09"	S50° 11'	48.38"E		
L85	N: 724735.71, E: 511393.48	104+86.59	104+89.84	3.25'			S60° 54'	22.70"E		
C87	N: 724734.13, E: 511422.03	104+89.84	105+27.22	37.38'	100.00'	21°25'09"	S50° 11'	48.38"E		
L82	N: 724710.34, E: 511436.11	105+27.22	105+49.35	22.13'			S39° 29'	14.05"E		
C88	N: 724693.26, E: 511453.88	105+49.35	105+86.36	37.01'	100.00'	21°12'13"	S28° 53'	07.31"E		
L83	N: 724661.04, E: 511455.57	105+86.36	105+91.73	5.37'			S18° 17'	00.56"E		
C89	N: 724655.94, E: 511470.93	105+91.73	106+23.12	31.38'	80.00'	22°28'39"	S29° 31'	20.14"E		
L87	N: 724628.80, E: 511474.06	106+23.12	106+27.91	4.79'			S40° 45'	39.71"E		
C93	N: 724625.18, E: 511501.26	106+27.91	106+62.21	34.30'	80.00'	24°34'05"	S53° 02'	42.11"E		
L88	N: 724604.71, E: 511502.39	106+62.21	106+63.45	1.24'			S65° 19'	44.50"E		
C94	N: 724604.20, E: 511529.59	106+63.45	106+97.75	34.30'	80.00'	24°34'05"	S53° 02'	42.11"E		
L89	N: 724583.73, E: 511530.46	106+97.75	106+99.09	1.34'			S40° 45'	39.71"E		
C95	N: 724582.72, E: 511546.63	106+99.09	107+33.17	34.08'	80.00'	24°24'31"	S28° 33'	24.11"E		
L90	N: 724553.01, E: 511547.11	107+33.17	107+34.86	1.69'			S16° 21'	08.52"E		
C96	N: 724551.39, E: 511563.28	107+34.86	107+68.94	34.08'	80.00'	24°24'31"	S28° 33'	24.11"E		
L91	N: 724521.68, E: 511627.75	107+68.94	108+67.69	98.75'			S40° 45'	39.71"E		
L86	N: 724446.88, E: 511683.82	108+67.69	109+52.50	84.81'			S41° 23'	10.25"E		
C70	N: 724383.25, E: 511708.03	109+52.50	109+84.04	31.54'	100.00'	18°04'15"	S50° 25'	17.93"E		
L67	N: 724363.24, E: 511731.84	109+84.04	110+11.69	27.65'			S59° 27'	25.62"E		
C71	N: 724349.19, E: 511755.77	110+11.69	110+42.81	31.12'	100.00'	17°49'45"	S50° 32'	33.25"E		
L68	N: 724329.49, E: 511770.68	110+42.81	110+65.25	22.45'			S41° 37'	40.89"E		
C72	N: 724312.71, E: 511790.13	110+65.25	111+03.67	38.41'	100.00'	22°00'34"	S30° 37'	23.79"E		
L69	N: 724279.86, E: 511791.60	111+03.67	111+08.04	4.37'			S19° 37'	06.70"E		
C73	N: 724275.75, E: 511820.08	111+08.04	111+64.62	56.59'	150.00'	21°36'56"	S30° 25'	34.50"E		
L70	N: 724227.24, E: 512015.81	111+64.62	114+61.56	296.94'			S41° 14'	02.30"E		
C74	N: 724003.93, E: 512058.27	114+61.56	115+17.77	56.21'	200.00'	16°06'11"	S49° 17'	07.84"E		
L71	N: 723967.39, E: 512100.12	115+17.77	115+67.48	49.71'			S57° 20'	13.39"E		
C75	N: 723940.56, E: 512133.60	115+67.48	116+10.55	43.06'	200.00'	12°20'13"	S51° 10'	06.70"E		
L72	N: 723913.61, E: 512139.03	116+10.55	116+18.23	7.68'			S45° 00'	00.00"E		
C76	N: 723908.18, E: 512176.19	116+18.23	116+81.90	63.67'	200.00'	18°14'23"	S35° 52'	48.43"E		
L73	N: 723856.81, E: 512207.34	116+81.90	117+51.07	69.18'			S26° 45'	36.87"E		
C77	N: 723795.04, E: 512235.53	117+51.07	118+01.61	50.54'	200.00'	14°28'42"	S33° 59'	57.65"E		
L76	N: 723753.25, E: 512294.24	118+01.61	118+90.68	89.07'			S41° 14'	18.43"E		
L77	N: 723686.27, E: 512297.86	118+90.68	118+96.21	5.52'			S40° 51'	32.19"E		
L78	N: 723682.10, E: 512388.95	118+96.21	120+36.52	140.31'			S40° 28'	52.04"E		
C78	N: 723575.37, E: 512460.40	120+36.52	121+18.34	81.82'	100.00'	46°52'43"	S63° 55'	13.65"E		
L74	N: 723540.40, E: 512475.02	121+18.34	121+32.98	14.64'			S87° 21'	35.27"E		
C83	N: 723539.72, E: 512522.49	121+32.98	121+84.79	51.81'	80.00'	37°06'18"	S68° 48'	26.52"E		
L75	N: 723521.32, E: 512545.58	121+84.79	122+14.82	30.03'			S50° 15'	17.76"E		
C79	N: 723502.12, E: 512566.18	122+14.82	122+46.19	31.37'	100.00'	17°58'25"	S41° 16'	05.14"E		
L79	N: 723478.64, E: 512610.85	122+46.19	123+29.81	83.63'			S32° 16'	52.51"E		
C82	N: 723407.94, E: 512642.49	123+29.81	123+74.81	44.99'	100.00'	25°46'46"	S45° 10'	15.71"E		
L80	N: 723376.48, E: 512659.94	123+74.81	123+95.37	20.57'			S58° 03'	38.91"E		
C85	N: 723365.60, E: 512833.26	123+95.37	126+01.85	206.48'	6026.00'	1°57'48"	S57° 04'	45.09"E		
C84	N: 723253.39, E: 512993.71	126+01.85	127+92.15	190.29'	3924.00'	2°46'43"	S57° 29'	12.68"E		
L81	N: 723151.12, E: 513074.76	127+92.15	128+86.82	94.67'			S58° 52'	34.10"E		
C92	N: 723102.18, E: 513078.28	128+86.82	128+90.76	3.94'	25.00'	9°01'27"	S63° 23'	17.57"E		
C90	N: 723100.42, E: 513138.75	128+90.76	129+54.36	63.59'	429.07'	8°29'32"	S72° 08'	46.79"E		
C91	N: 723080.94, E: 513139.18	129+54.36	129+54.79	0.43'	1670.99'	0°00'54"	S76° 18'	31.33"E		

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PAVEMENT CONSTRUCTION NOTES

EXISTING ASPHALT PAVEMENT REMOVAL

- EXISTING ASPHALT THICKNESS RANGES FROM 2" TO 2.5" — 2.25" AVERAGE THICKNESS
- MILL FULL THICKNESS OF EXISTING ASPHALT PAVEMENT.
- STOCKPILE MILLED ASPHALT PAVEMENT (RAP) FOR REUSE IN AGGREGATE BASE CONSTRUCTION WHERE AND AS NEEDED.

EXISTING PCCP SURFACE PREPARATION

- POWER BROOM THE MILLED CONCRETE SURFACE TO THOROUGHLY CLEAN.
- FILL AND SEAL CRACKS 3/4" WIDE OR GREATER WITH JOINT SEALANT, HOT-APPLIED, ELASTOMERIC-TYPE, FOR PORTLAND CEMENT CONCRETE PAVEMENTS (ASTM D3406).
- APPLY A TACK COAT PRIOR TO ASPHALT OVERLAY.

WIDENING ON ONE OR BOTH SIDES OF EXISTING PCCP

- EXISTING AGGREGATE BASE THICKNESS RANGES FROM 4" TO 5.5" — 4.5" AVERAGE THICKNESS.
- SCARIFY, REWORK, AND RECOMPACT THE FULL DEPTH OF THE EXISTING AGGREGATE BASE INCORPORATING RECYCLED ASPHALT PAVEMENT MATERIAL WHERE AND AS NEEDED. COMPACT THE REWORKED AGGREGATE BASE TO 100% STANDARD PROCTOR DENSITY (ASTM D698).
- CONSTRUCT A NEW AGGREGATE BASE COURSE IN WIDENING AREAS WHERE NO EXISTING BASE COURSE IS PRESENT USING RAP MATERIAL AND/OR AGGREGATE BASE MATERIAL. COMPACT THE NEW AGGREGATE BASE TO 100% STANDARD PROCTOR DENSITY (ASTM D698).
- GRADE AND TRIM THE SURFACE OF THE COMPACTED AGGREGATE BASE MATERIAL TO MATCH THE SURFACE OF THE EXISTING PCCP AND TO PROVIDE THE 1.5% CROWN CROSS-SLOPE PER THE TYPICAL SECTION.
- PRIME THE AGGREGATE BASE MATERIAL WITH AN APPLICATION OF MC-70 CUTBACK LIQUID ASPHALT. APPLICATION RATE SHALL BE 0.62 TO 0.65 GALLONS PER SQUARE YARD.

CONSTRUCT NEW ASPHALTIC CONCRETE PAVEMENT

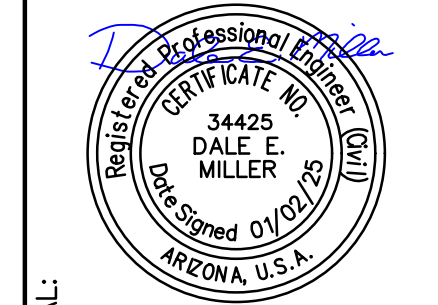
- NEW PAVEMENT MATERIAL SHALL BE 1/2" MIX ASPHALT CONCRETE, MARSHALL MIX DESIGN FOR HIGH TRAFFIC AREAS (MAG SPECIFICATION SECTION 710).

STA 34+10 TO STA 75+14

- A 2" THICK BASE COURSE OF ASPHALT SHALL BE PLACED, COMPACTED, AND CONSTRUCTED ON THE PREPARED PCCP AND AGGREGATE BASE IN THE WIDENED SECTIONS.
- A 3" THICK SURFACE COURSE OF ASPHALT SHALL BE PLACED, COMPACTED, AND CONSTRUCTED ON THE ASPHALT BASE COURSE LAYER.
- CONSTRUCTION OF THE NEW 5" THICK ASPHALT CONCRETE PAVEMENT RESULTS IN A FINISHED CROSS-SECTION AND PROFILE GRADE THAT IS 0.23' (2.75") HIGHER IN ELEVATION THAN THE EXISTING ASPHALT PAVEMENT, ON AVERAGE.
- THE ASPHALT BASE COURSE THICKNESS TRANSITIONS FROM 2" AT STA 74+64 TO 0" AT STA 75+14

STA 75+14 TO STA 82+78

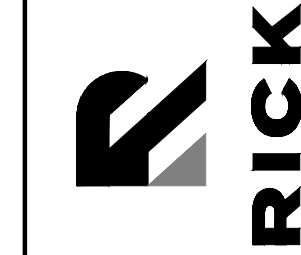
- A 3" THICK SURFACE COURSE OF ASPHALT SHALL BE PLACED, COMPACTED, AND CONSTRUCTED ON THE PREPARED AGGREGATE BASE COURSE.



SEAL:

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QUARELLI STREET —
GOLF COURSE ROAD PROJECT

TOWN OF WINKELMAN, ARIZONA

ROADWAY TYPICAL SECTIONS



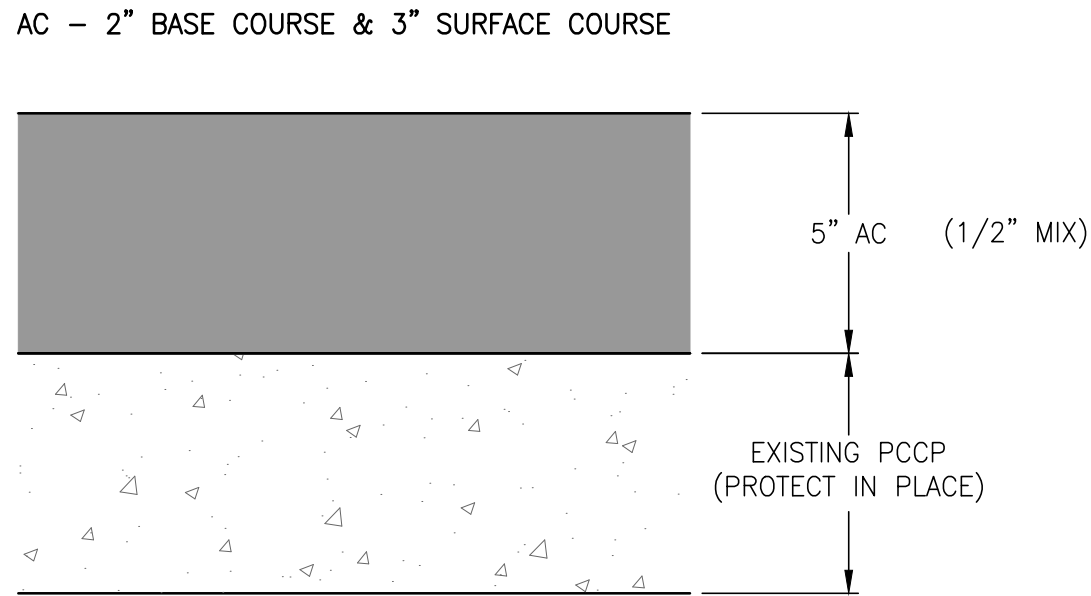
DRAWING NO.

DT-01

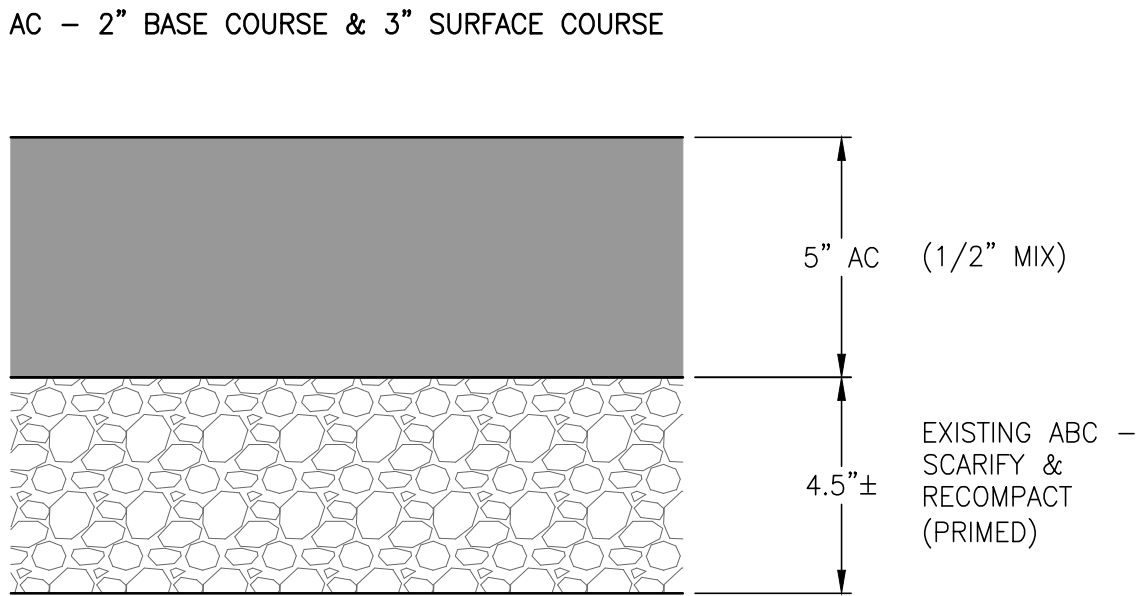
SHEET NO. 3 OF 26

PROJECT NO: 7071
DATE: 01/02/2025
DESIGNED BY: K. ROECKNER
CHECKED BY: D. MILLER

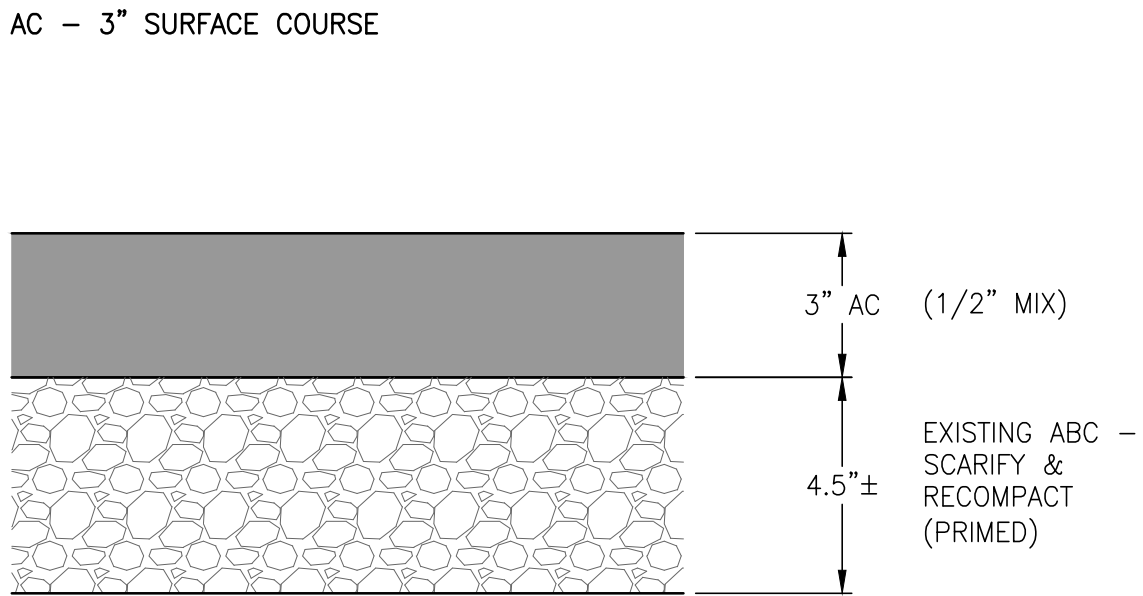
\\phxfile1\PD5500\7071_Quarelli_Golf_Course\Civil\PlanSets\7071-EN.dwg -- Plotted by: kroeckner ON 2025-01-02 @ 12:41 -- c:\bres_ncs_2022.dtb -- ©2024 Rick Engineering Company



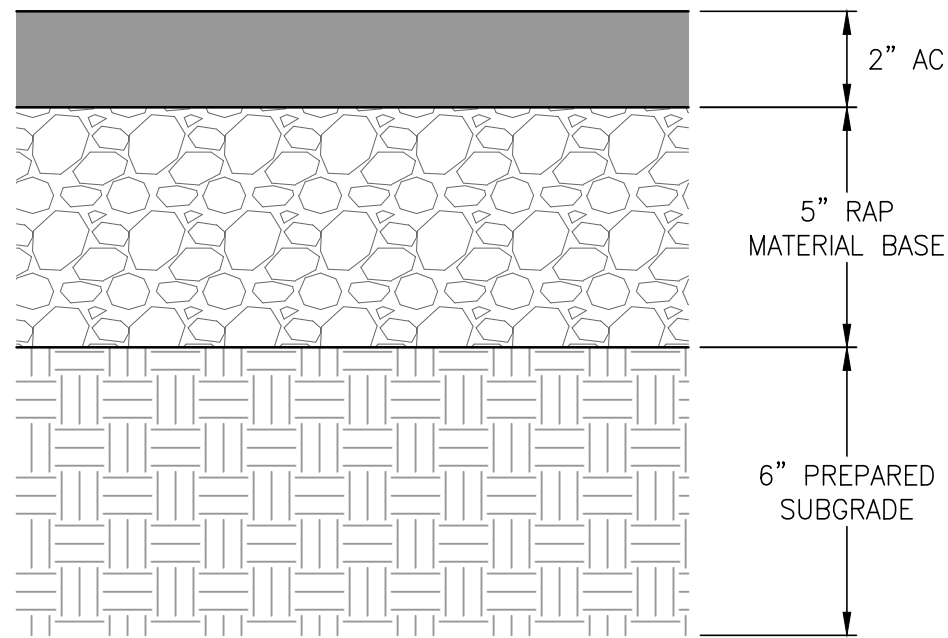
G TYPICAL PAVEMENT SECTION
OVER EXISTING PCCP



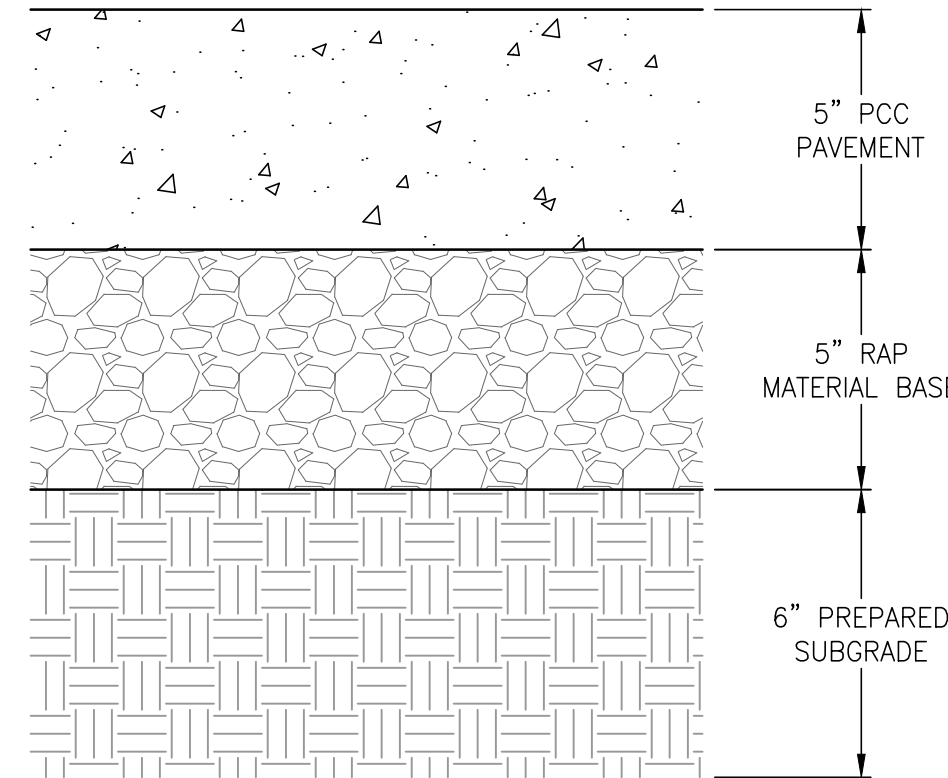
H TYPICAL PAVEMENT SECTION
WIDENING ADJACENT TO PCCP



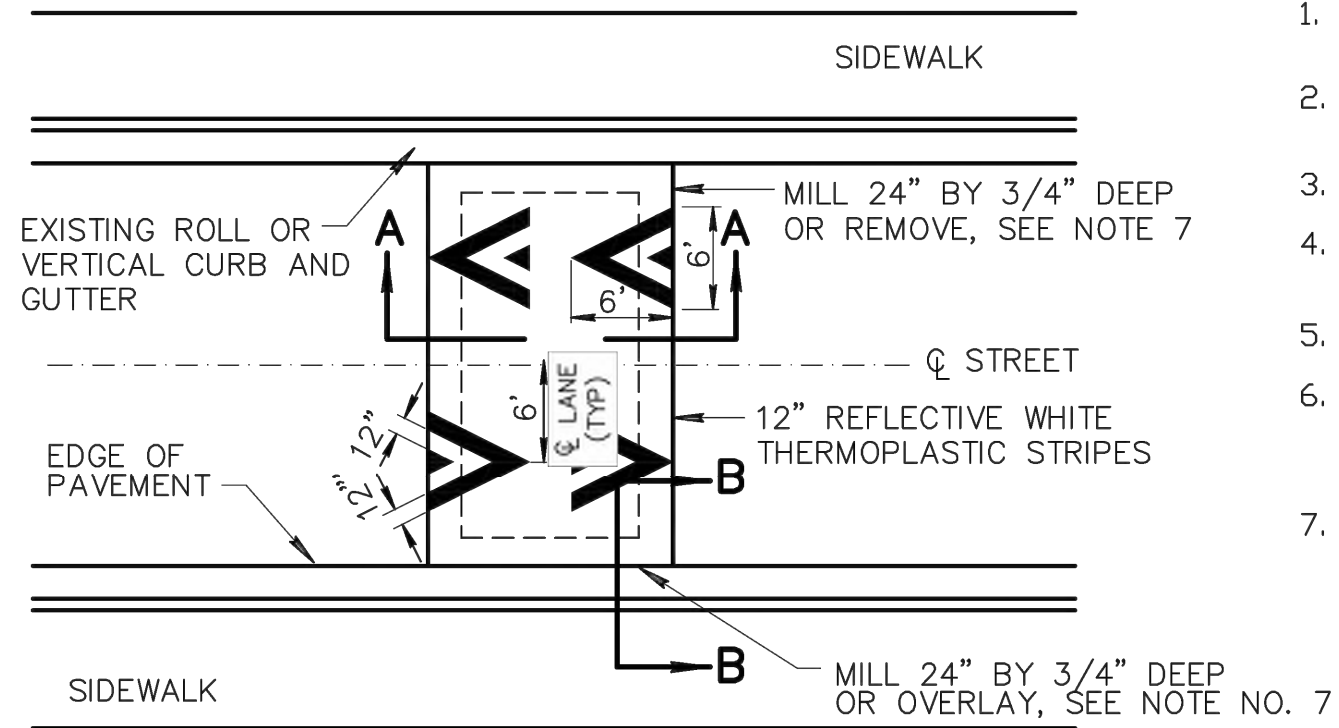
I TYPICAL PAVEMENT SECTION
STA 75+14 TO 82+78.50±



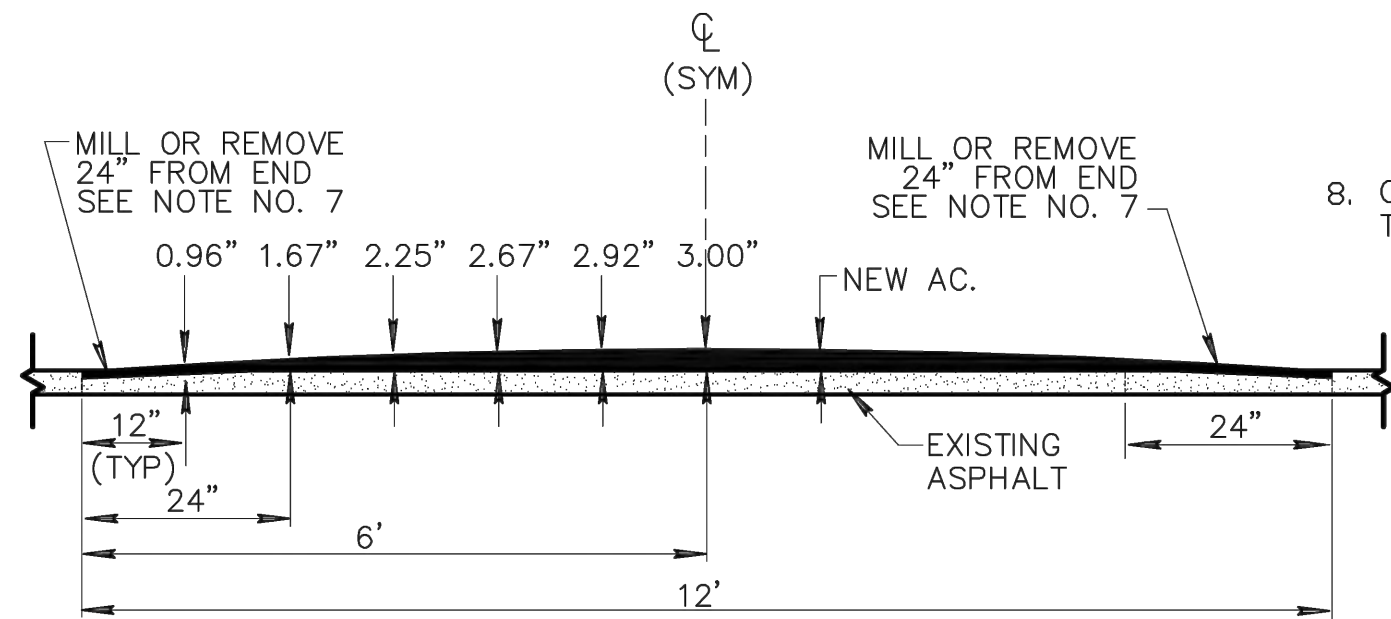
J TYPICAL MULTIUSE PATH SECTION
NO SCALE



K TYPICAL MULTIUSE PATH SECTION
WINKELMAN BRIDGE TO EXISTING SIDEWALK



PLAN VIEW

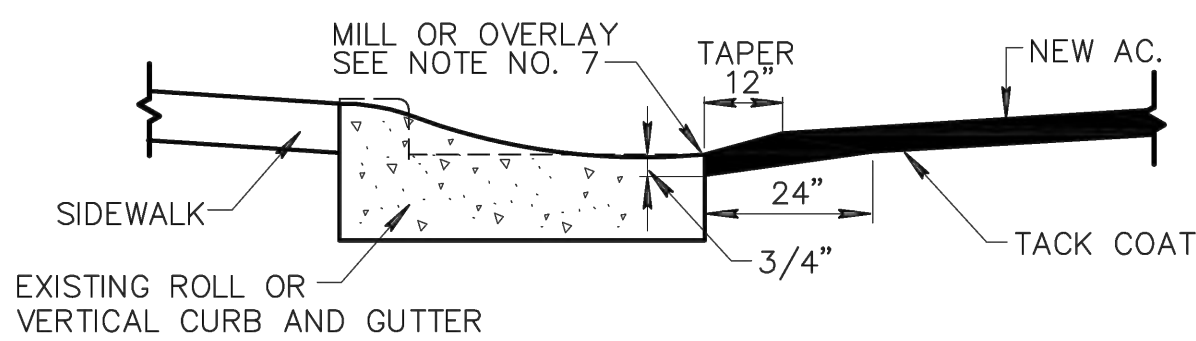


SECTION A-A

NOTE: AT SPEED HUMP LOCATIONS AT 2' WIDE ASPHALT SHOULDERS, THE SPEED HUMP SECTION SHALL BE CONSTRUCTED BETWEEN THE EDGE OF THE ASPHALT PAVEMENT INCLUDING THE SHOULDERS (28' WIDTH)

NOTES:

- HUMPS MUST BE THE FULL 3" FOR MAXIMUM EFFECT BUT SHALL NOT EXCEED 3.25".
- HUMPS CONSTRUCTED OVER 3.25" OR LESS THAN 3.00" SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
- CROSS-SECTION ELEVATIONS SHALL HAVE A MAXIMUM TOLERANCE OF +0.25".
- SPEED HUMPS SHALL NOT BE PLACED OVER MANHOLES, WATER VALVES, SURVEY MONUMENTS, JUNCTION CHAMBERS, ETC. OR IN CONFLICT WITH DRIVEWAYS.
- SPEED HUMPS MUST BE PLACED AT LOCATIONS APPROVED BY THE AGENCY.
- HUMP TO BE CONSTRUCTED WITH ASPHALT MIX APPROVED BY THE AGENCY. ASPHALT COMPACTION SHALL BE PER SECTION 321. A TACK COAT PER SECTION 713 SHALL BE APPLIED PRIOR TO APPLICATION OF PAVEMENT.
- INSTALLATION JOINTS:
 - STANDARD INSTALLATION:
THE EXISTING ROADWAY SHALL BE MILLED TO A MINIMUM DEPTH OF 3/4" AROUND THE PERIMETER. CROSS SECTION DIMENSIONS DO NOT INCLUDE THE 3/4" MILLING. CONTRACTOR MUST PROVIDE VERIFICATION OF CROSS-SECTION DIMENSIONS.
 - ALTERNATIVE INSTALLATION:
FOR TRANSVERSE JOINTS (CROSS ROADWAY), THE EXISTING ASPHALT SHALL BE SAW CUT AND REMOVED FOR A WIDTH OF 24". THE ASPHALT SHALL BE REPLACED WITH THE SAME ASPHALT AND AT THE SAME TIME AS THE HUMP ASPHALT. FOR LONGITUDINAL JOINTS, THE EXISTING ASPHALT SHALL BE OVERLAID AND TAPERED IN 12". CROSS-SECTION DIMENSIONS REFLECT DISTANCES FROM THE SURFACE OF EXISTING ASPHALT.
- CONTACT THE AGENCY (OR INSPECTOR) ONE WEEK PRIOR TO INSTALLATION TO COORDINATE PAVEMENT MARKINGS AND SIGNING.



SECTION B-B

DETAIL NO.
210

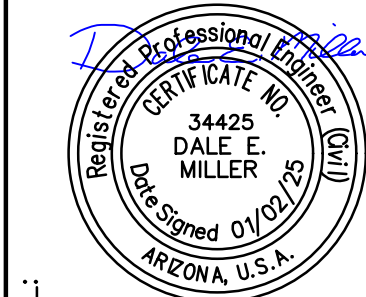


STANDARD DETAIL
ENGLISH

RESIDENTIAL SPEED HUMP

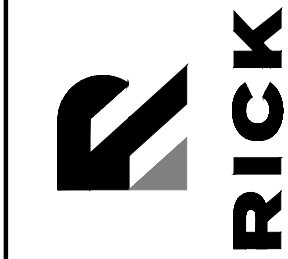
REVISED
01-01-2012

DETAIL NO.
210



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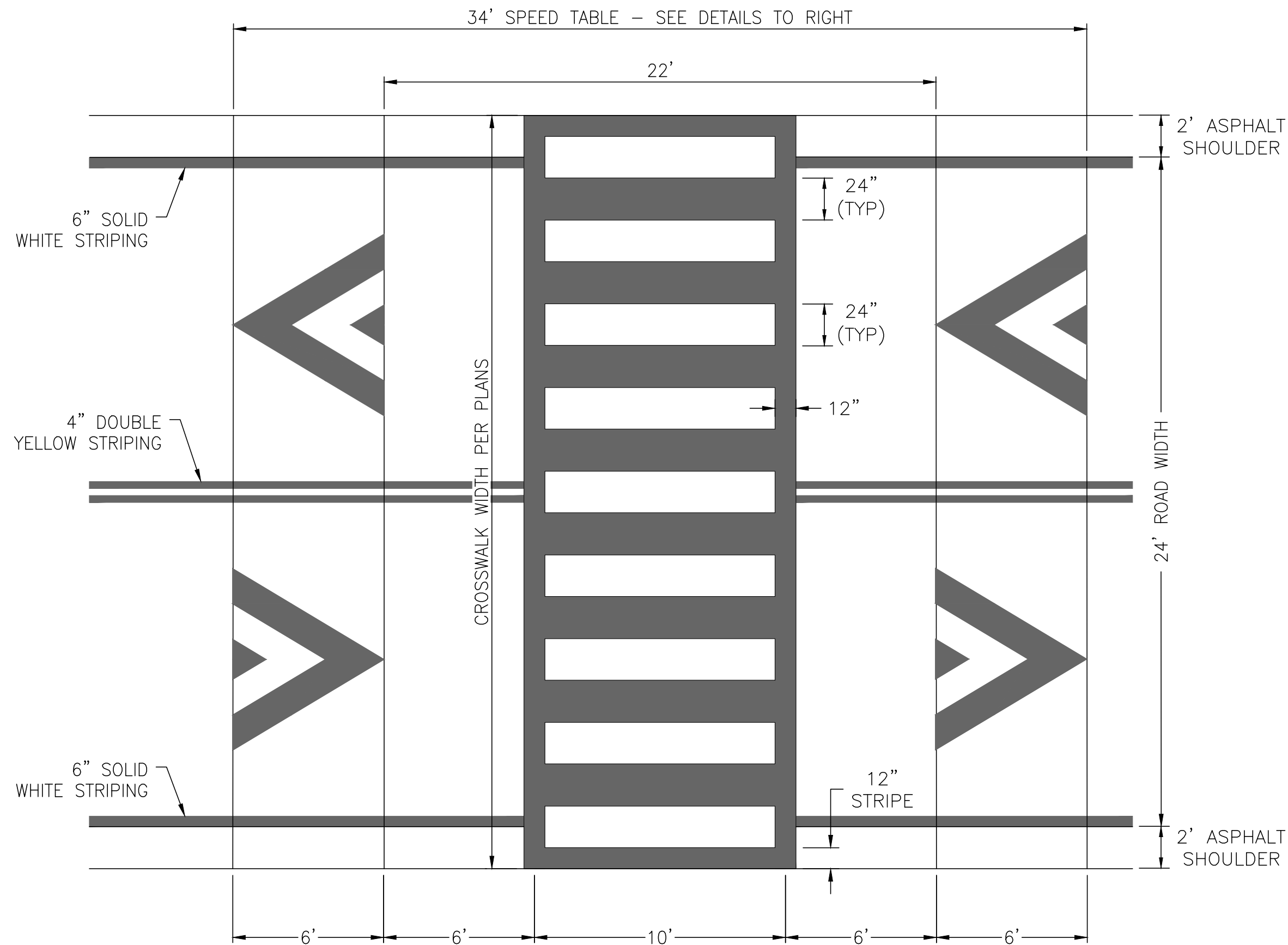
**QUARELLI STREET -
GOLF COURSE ROAD PROJECT**
TOWN OF WINKELMAN, ARIZONA



DRAWING NO.
DT-02
SHEET NO. 4 OF 26

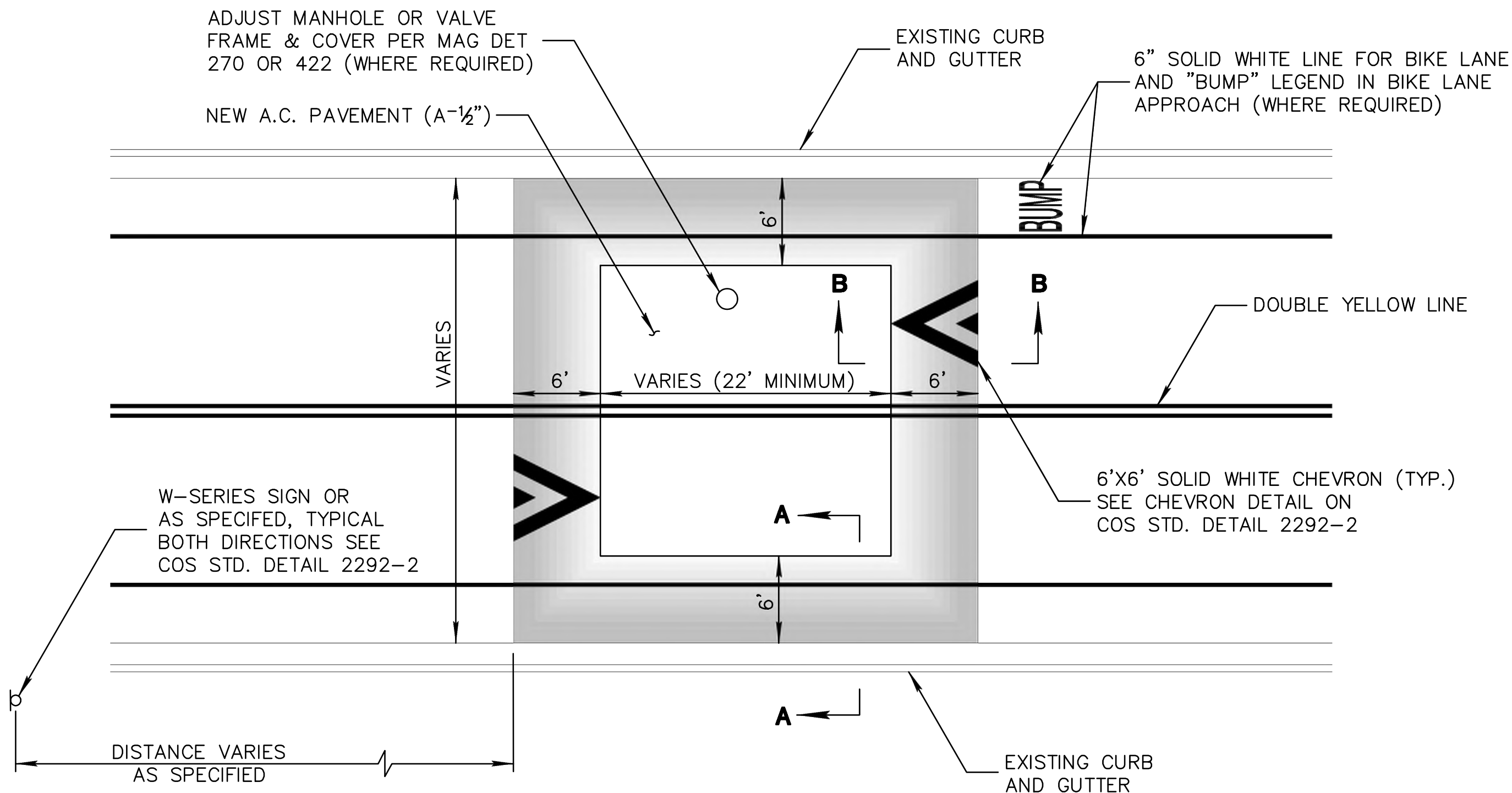
PROJECT NO: 7071
DATE: 01/02/2025
DRAWN/DESIGNED BY: K. ROECKNER
CHECKED BY: D. MILLER

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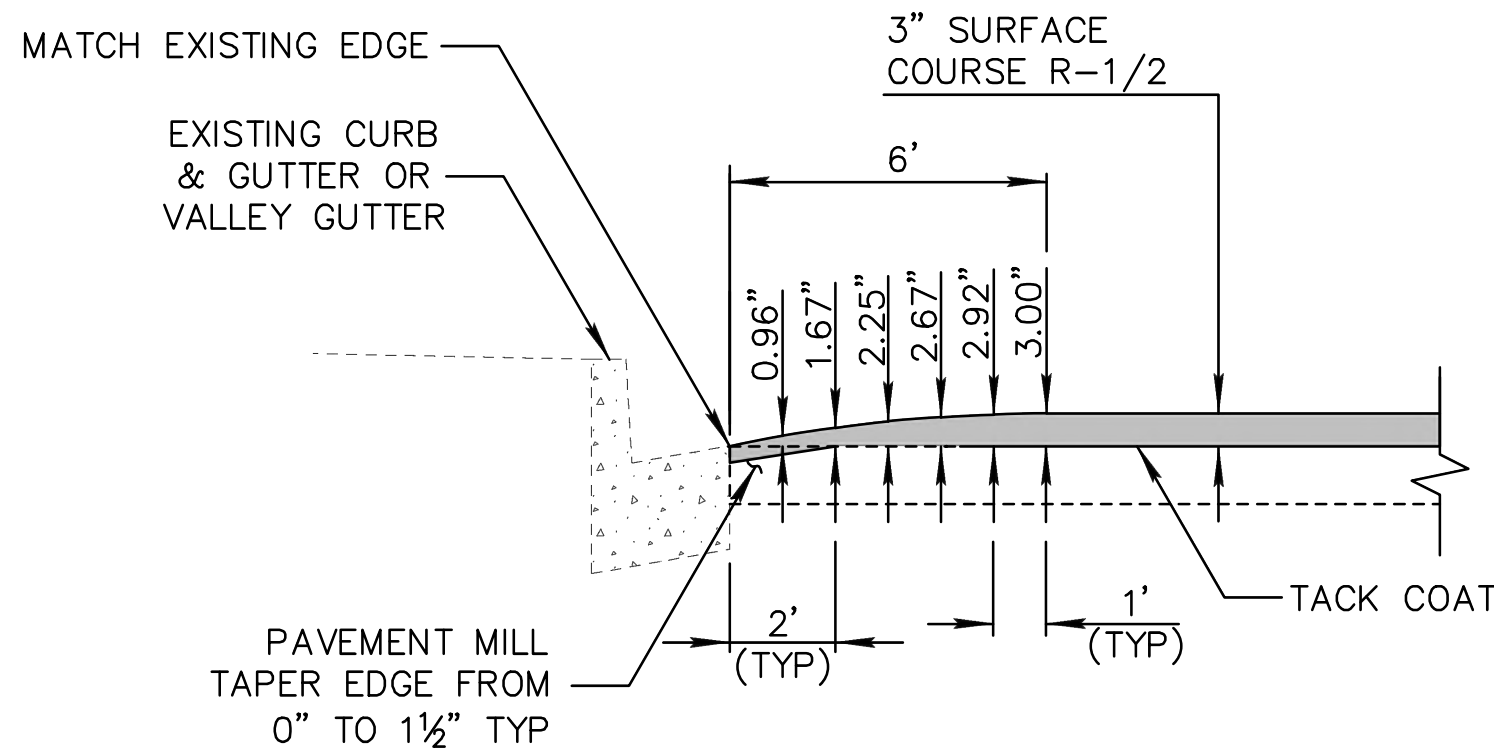
NOTE: CROSSWALK AND CHEVRON MARKINGS ARE WHITE

L LADDER CROSSWALK MARKING DETAIL
NO SCALE

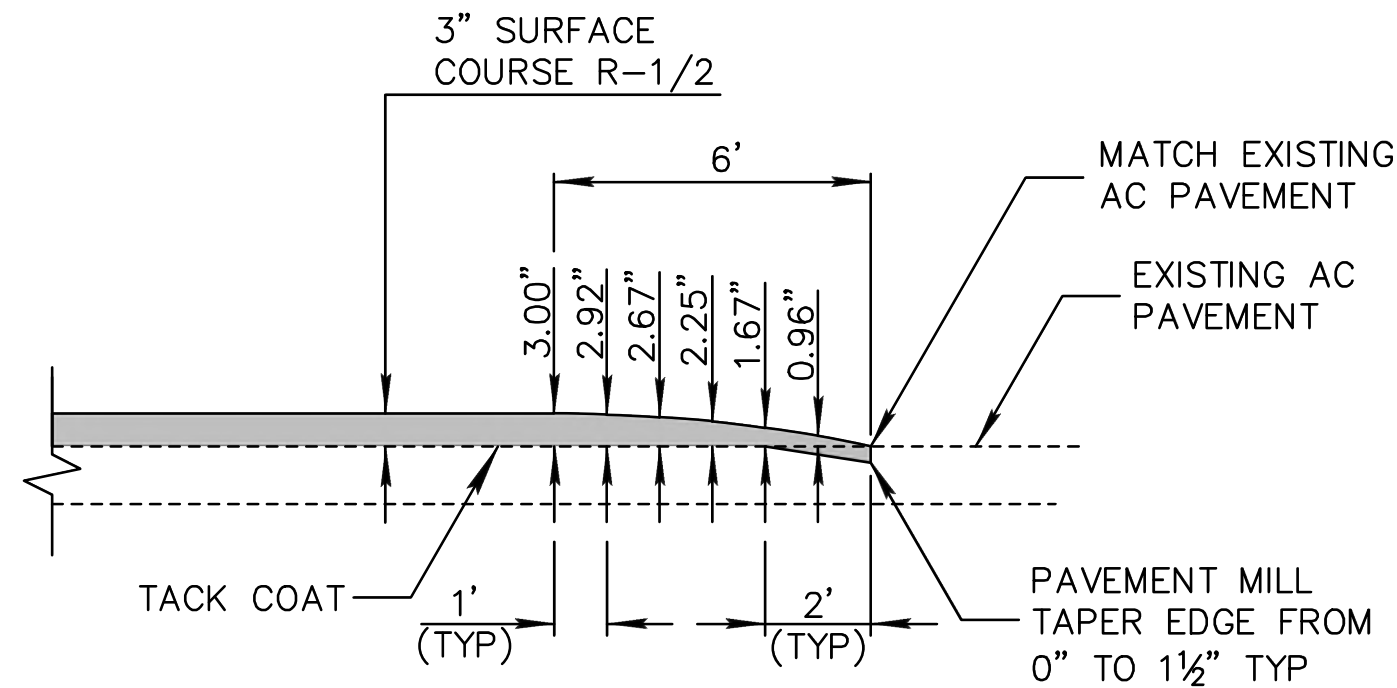


NOTE: FOR SECTIONS A-A AND B-B SEE COS STD. DETAIL 2292-2.

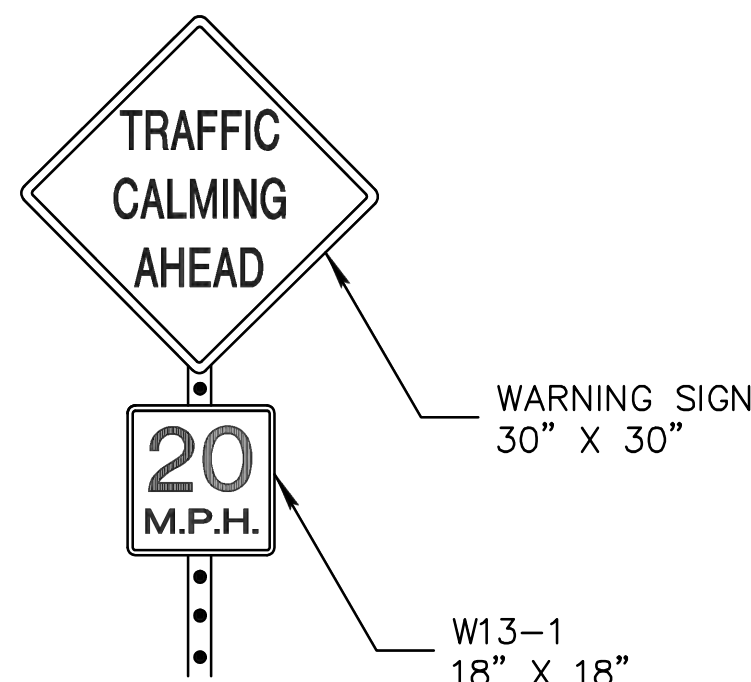
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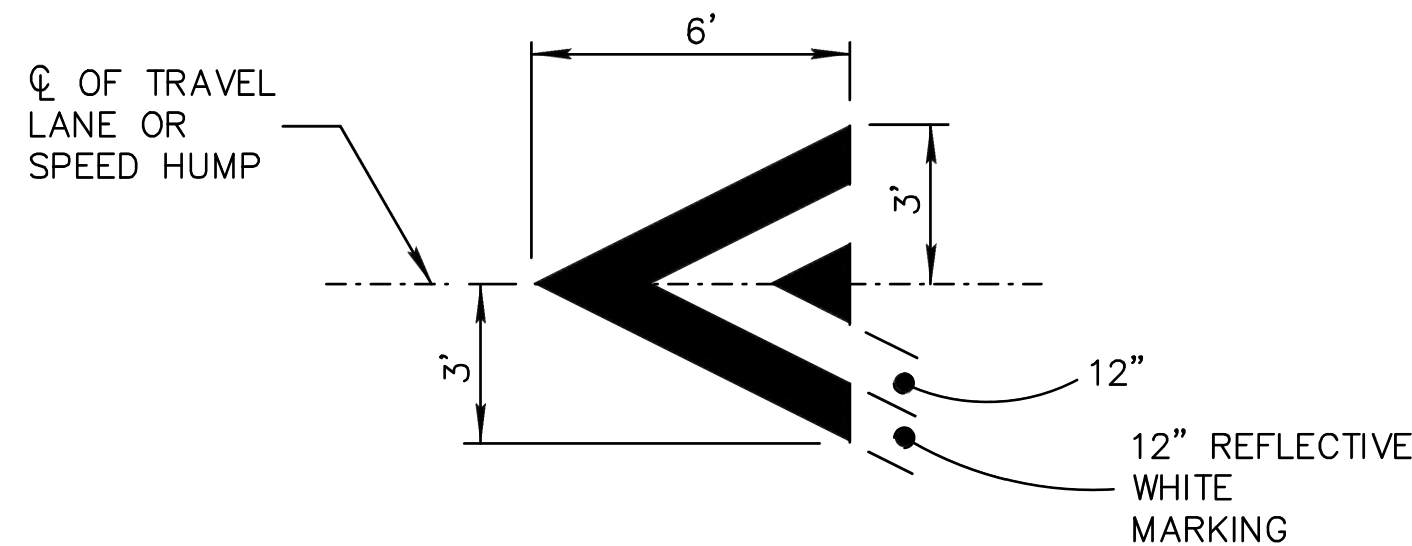
SECTION A-A



SECTION B-B

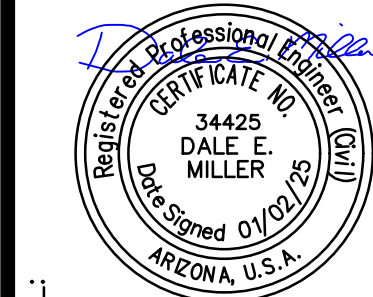


SIGNING



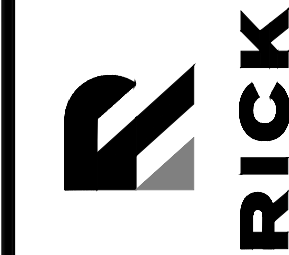
CHEVRON DETAIL

DETAIL NO. 2292-2	City of Scottsdale Standard Details	APPROVED BY: Scottsdale Standards & Specifications Committee	SPEED TABLE DETAILS	DETAIL NO. 2292-2
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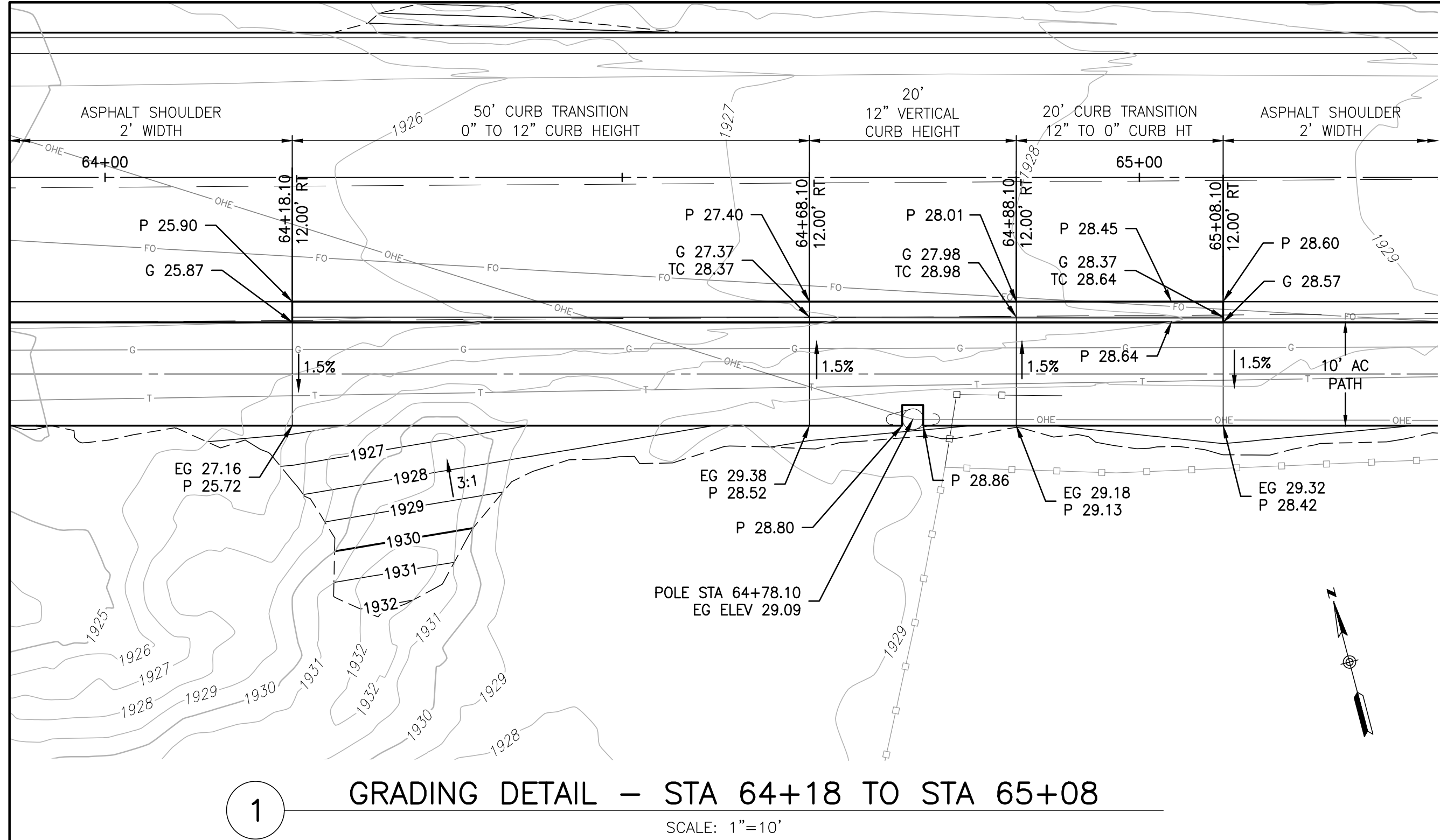
QUARELLI STREET –
GOLF COURSE ROAD PROJECT

TOWN OF WINKELMAN, ARIZONA

CROSSWALK DETAILS

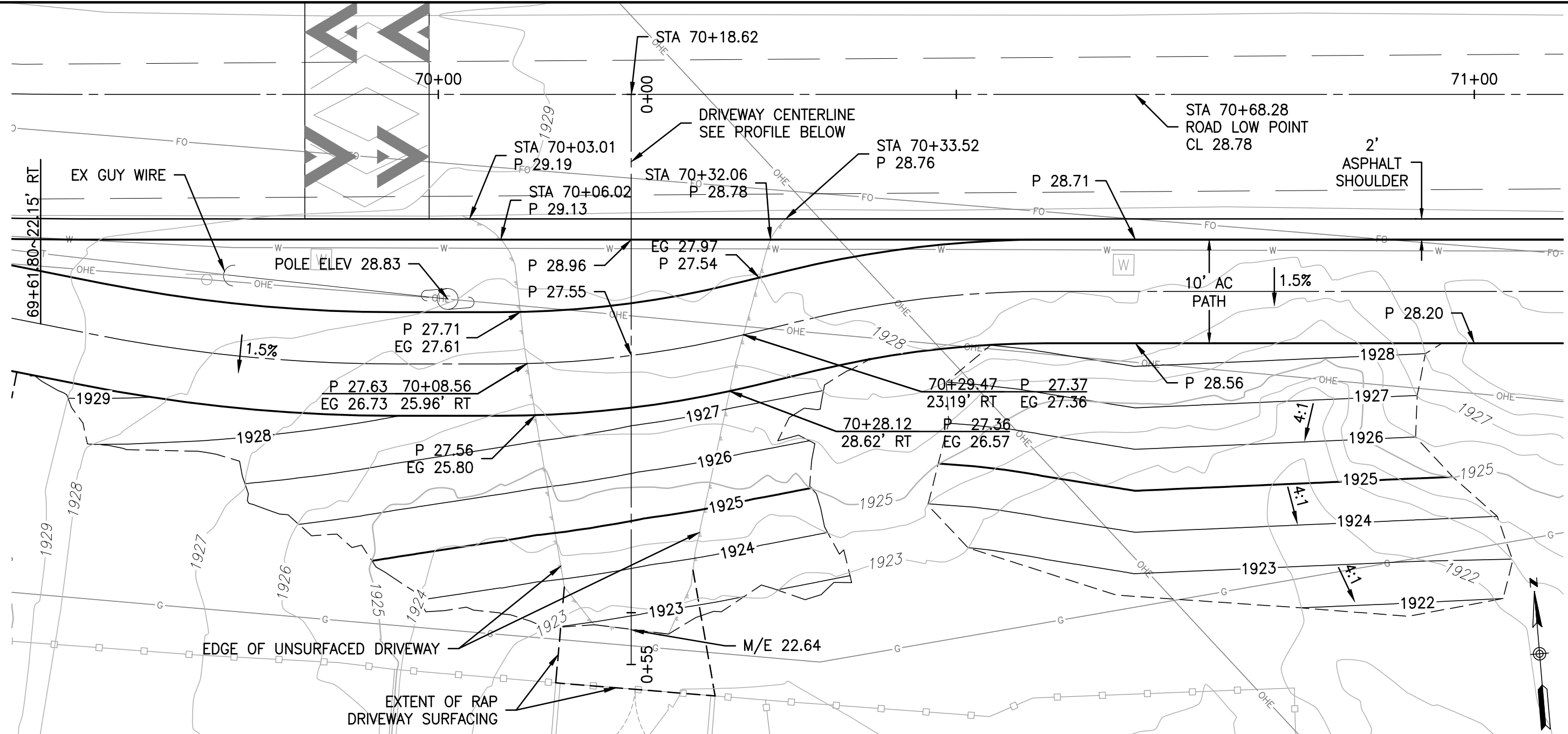


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SHEET NO. 5 OF 26

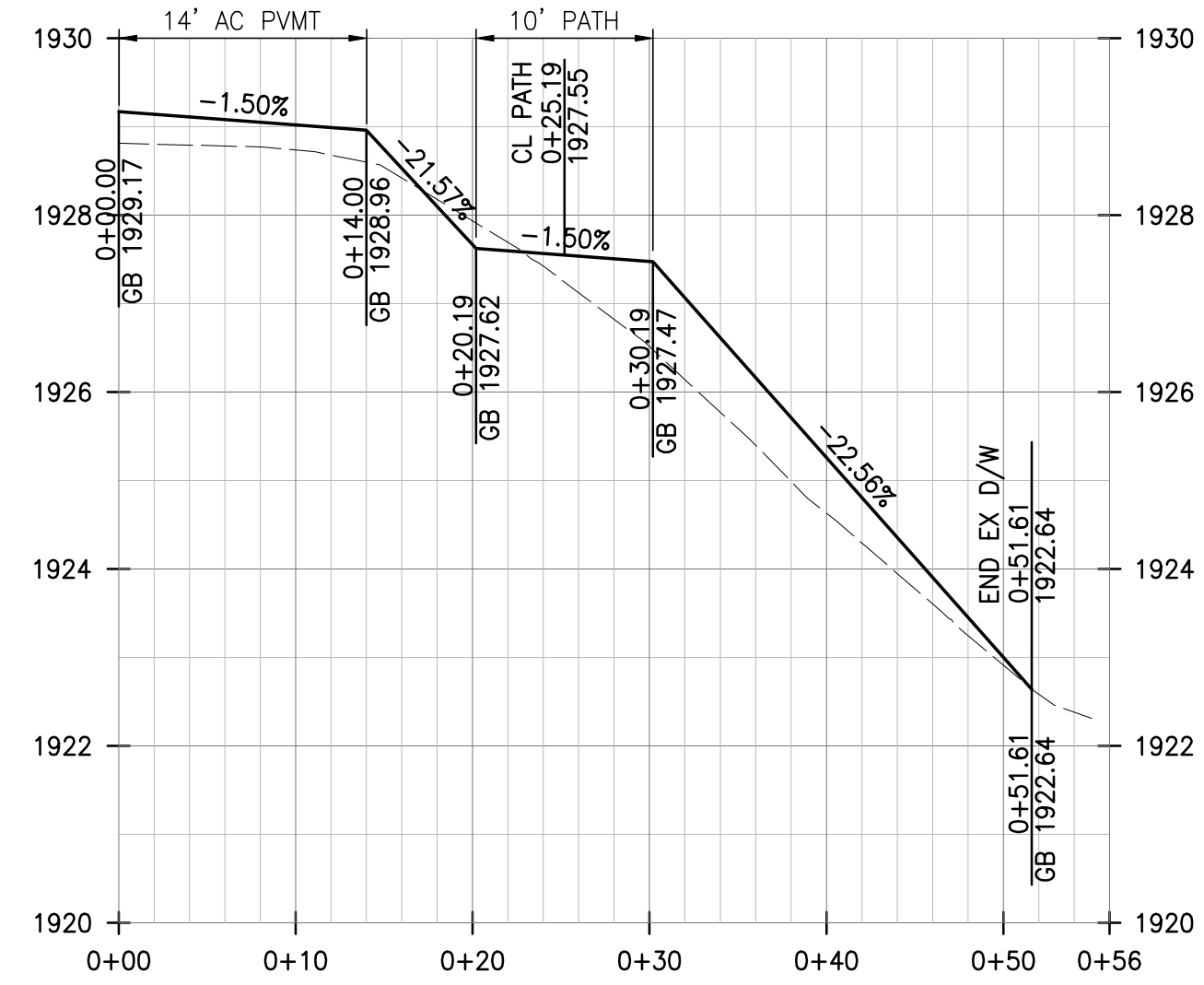


1 GRADING DETAIL – STA 64+18 TO STA 65+08
SCALE: 1"=10'

NOTE: TRANSITION THE PCPP PATH CROSS-SLOPE FROM 1.5% AWAY FROM THE SHOULDER TO 1.5% TOWARDS THE TOP OF CURB WITHIN THE TRANSITION SECTIONS EACH SIDE OF THE 12" CURB HEIGHT SECTION

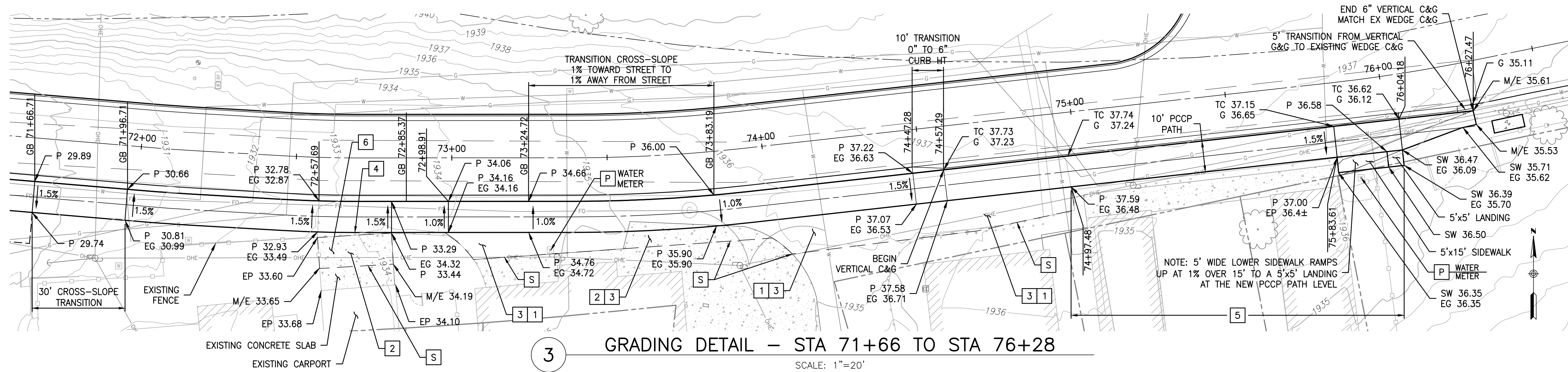


2 DRIVEWAY DETAIL – STA 70+18.62
SCALE: 1"=10'



NOTE: EXISTING DRIVEWAY GRADE IS APPROXIMATELY 16%

2P DRIVEWAY PROFILE – STA 70+18.62
SCALE: 1"=10'; VERT: 1"=2'



3 GRADING DETAIL – STA 71+66 TO STA 76+28
SCALE: 1"=20'

PAVEMENT MATCHING NOTES

- 1 SAWCUT & MATCH EXISTING
- 2 REMOVE EXISTING ASPHALT
- 3 REMOVE EXISTING CONCRETE
- 4 PLACE NEW ASPHALT BETWEEN NEW PATH & EXISTING WALKWAY/ASPHALT PAVEMENT
- 5 PLACE 1/2" EXPANSION JOINT BETWEEN EDGE OF ASPHALT PATH AND NEW CONCRETE DRIVEWAY
- 6 CONSTRUCT A THICKENED EDGE ON THE SOUTH SIDE OF THE PCPP PATH FROM STA 74+97.48 TO STA 76+04.18 AS NEEDED TO CREATE A VERTICAL WALL BETWEEN THE UPPER PATH AND LOWER SIDEWALK
- 7 CONSTRUCT NEW 5" DEEP CONCRETE TO TRANSITION FROM THE SAWCUT LINE TO THE PCPP PATH MATCHING THE PATH EDGE.

SEAL:

DALE E. MILLER
34425
01/01/25
ARIZONA U.S.A.

PROJECT NO: 7071
DATE: 01/02/2025
DRAWN/DESIGNED BY: K. ROECKNER
CHECKED BY: D. MILLER

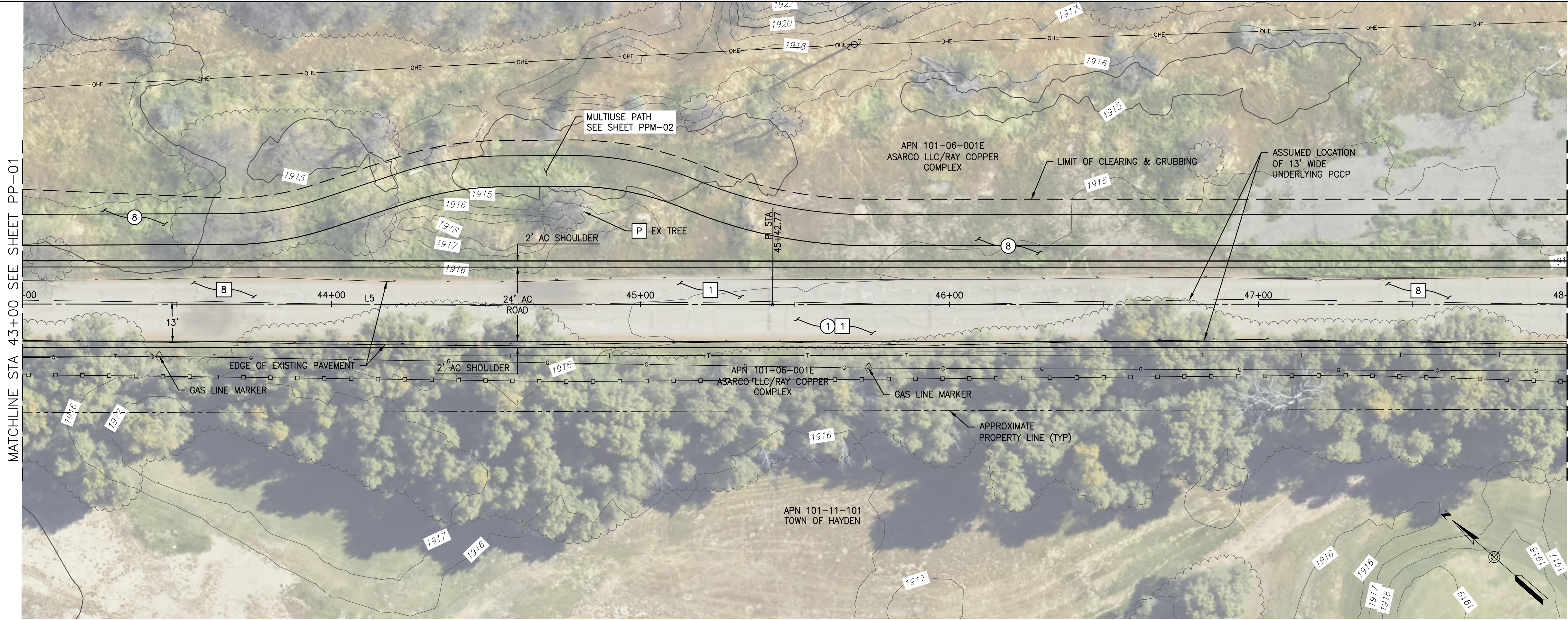
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SANTA CLARITA PHOENIX TUCSON LAS VEGAS DENVER

RICK

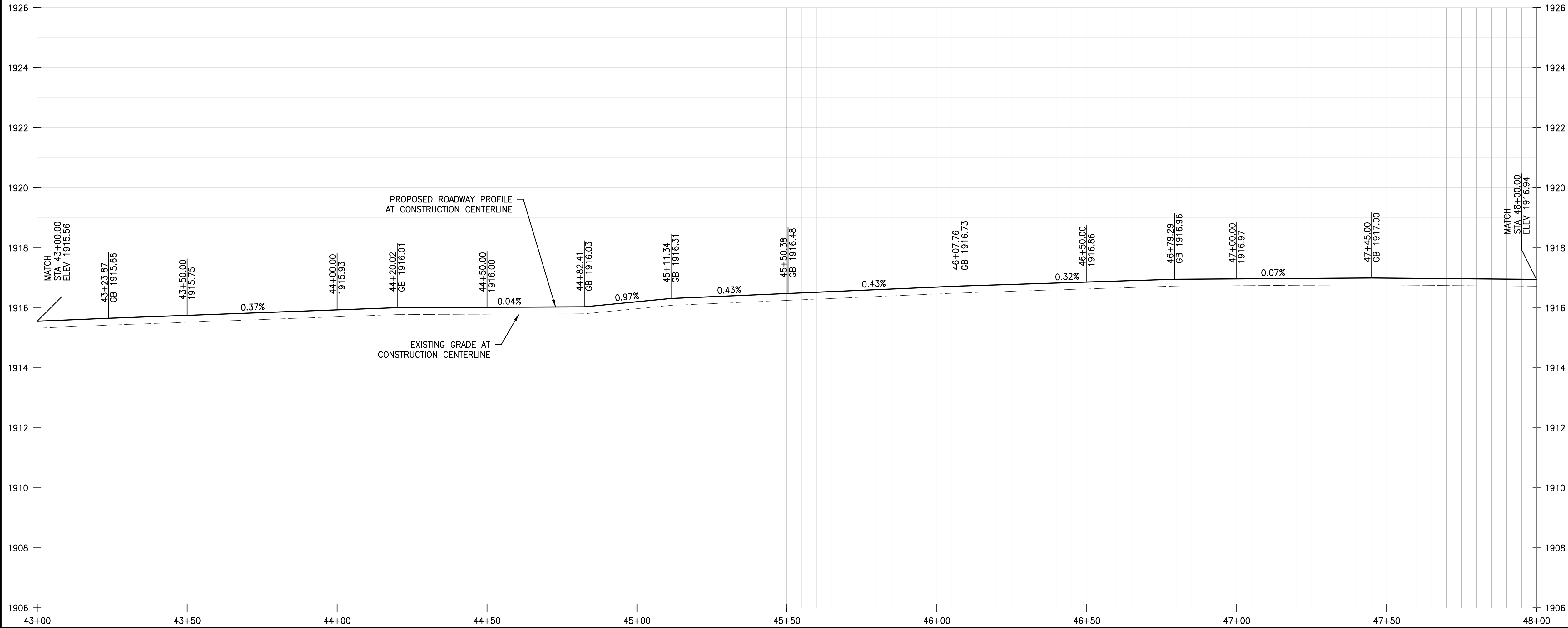
QUARELLI STREET –
GOLF COURSE ROAD PROJECT
TOWN OF WINKELMAN, ARIZONA
GRADING DETAILS

DT-04
SHEET NO. 6 OF 26

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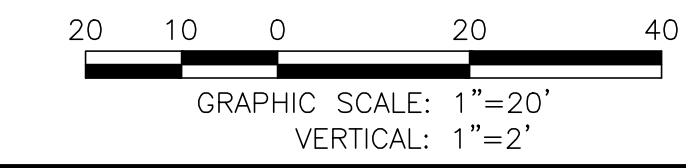
GOLF COURSE ROAD



REMOVAL/RELOCATE NOTES	
NO.	DESCRIPTION
①	REMOVE EXISTING AC PAVEMENT. PROTECT UNDERLYING CONCRETE IN PLACE WHERE APPLICABLE - LOCATION AS SHOWN
②	ADJUST MANHOLE TO FINISHED GRADE PER MAG STD DTL 422
③	ADJUST VALVE TO FINISHED GRADE PER MAG STD DTL 391
④	ADJUST METER BOX TO FINISHED GRADE
⑤	REMOVE & REPLACE EXISTING FENCE ALONG THE EDGE OF THE NEW PATH OR AS DIRECTED
⑥	RELOCATE EXISTING BACKFLOW PREVENTER
⑦	REMOVE EXISTING CURB & GUTTER
⑧	PROVIDE CLEARING & GRUBBING 5' ON EACH SIDE OF THE ROAD, 5' ON EACH SIDE OF THE MULTIUSE PATH, AND ANY CUT/FILL SLOPES THAT EXTEND BEYOND THE 5' LIMIT
⑨	REMOVE EXISTING SIDEWALK/CONCRETE
⑩	RELOCATE EXISTING TELECOMMUNICATIONS PEDESTAL (BY OTHERS)
⑪	RELOCATE EXISTING UTILITY MARKER

CONSTRUCTION NOTES	
NO.	DESCRIPTION
①	CONSTRUCT ASPHALT CONCRETE PAVEMENT SECTION, 5" DEPTH
②	CONSTRUCT ASPHALT CONCRETE PAVEMENT SECTION, 3" DEPTH
③	CONSTRUCT ASPHALT CONCRETE PAVEMENT SECTION, 2" DEPTH, ON 5" RAP BASE FOR MULTIUSE PATH
④	CONSTRUCT PC CONCRETE PAVEMENT PATH, 10' WIDTH, 5" DEPTH, ON 5" RAP BASE FOR MULTIUSE PATH
⑤	CONSTRUCT VERTICAL CURB & GUTTER PER MAG STD DTL 220 TYPE A
⑥	CONSTRUCT SPEED TABLE PER CITY OF SCOTTSDALE STD DTL 2292. STRIPE HIGH-VISIBILITY LADDER CROSSWALK PER DETAIL J, SHT DT-02
⑦	CONSTRUCT SPEED HUMP PER MAG STD DTL 210
⑧	SCARIFY & RECOMPACT EXISTING AGGREGATE BASE COURSE, 4.5" AVERAGE DEPTH
⑨	RE-GRADE BACKSLOPE AND INSTALL GROUTED RIPRAP SLOPE PROTECTION
⑩	SPREAD AND COMPACT MILLINGS OR AGGREGATE BASE MATERIAL ON UNSURFACED DRIVEWAYS/ROADS TO TRANSITION FROM THE NEW ASPHALT PAVEMENT TO THE EXISTING DRIVE/ROAD SURFACE
⑪	CONSTRUCT CURB TRANSITION SECTION - LENGTH AND CURB HEIGHT PER PLAN
⑫	CONSTRUCT 10' L x 4' W x 5" THICK SIDEWALK CENTERED ON POWER POLE FOR ADA ACCESS.
P	PROTECT IN PLACE
S	SAWCUT & MATCH EXISTING

GENERAL NOTES	
1	FROM THE BEGINNING OF THE PROJECT TO APPROXIMATELY STA 76+30 (±25') THERE IS AN EX. PCCP SLAB BENEATH THE ASPHALT THAT IS 18' WIDE FROM STA 33+52 TO STA 39+23± AND 13' WIDE FROM STA 39+23± TO STA 76+30± (LOCATION OF WIDTH TRANSITION IS UNKNOWN)
2	THE PROFILE OF THE NEW ASPHALT PAVEMENT IS 0.23' (2.75") HIGHER THAN THE PROFILE OF THE EXISTING ASPHALT ROAD FROM STA 34+10 TO STA 74+64
3	EARTHWORK: CUT EXCAVATION & FILL EMBANKMENT ARE SHOWN ON THE PLANS AND ESTIMATED AT: TOTAL CUT: 980 CY TOTAL FILL: 900 CY * BACKFILL & GRADE TO MATCH EXISTING EDGES OF NEW PAVEMENT AND CURBS WHERE NEEDED AND AS NEEDED. * FILL MATERIAL SOURCES ARE FROM CUT AREAS AND THE EXCAVATION REQUIRED TO CONSTRUCT THE CONCRETE PATH. * EXCESS EXCAVATED SOIL MAY BE WASTED ON SITE AT LOCATIONS APPROVED BY THE TOWN INSPECTOR



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QUARELLI STREET -
GOLF COURSE ROAD PROJECT
TOWN OF WINKELMAN, ARIZONA

PLAN & PROFILE
STA 43+00 TO STA 48+00

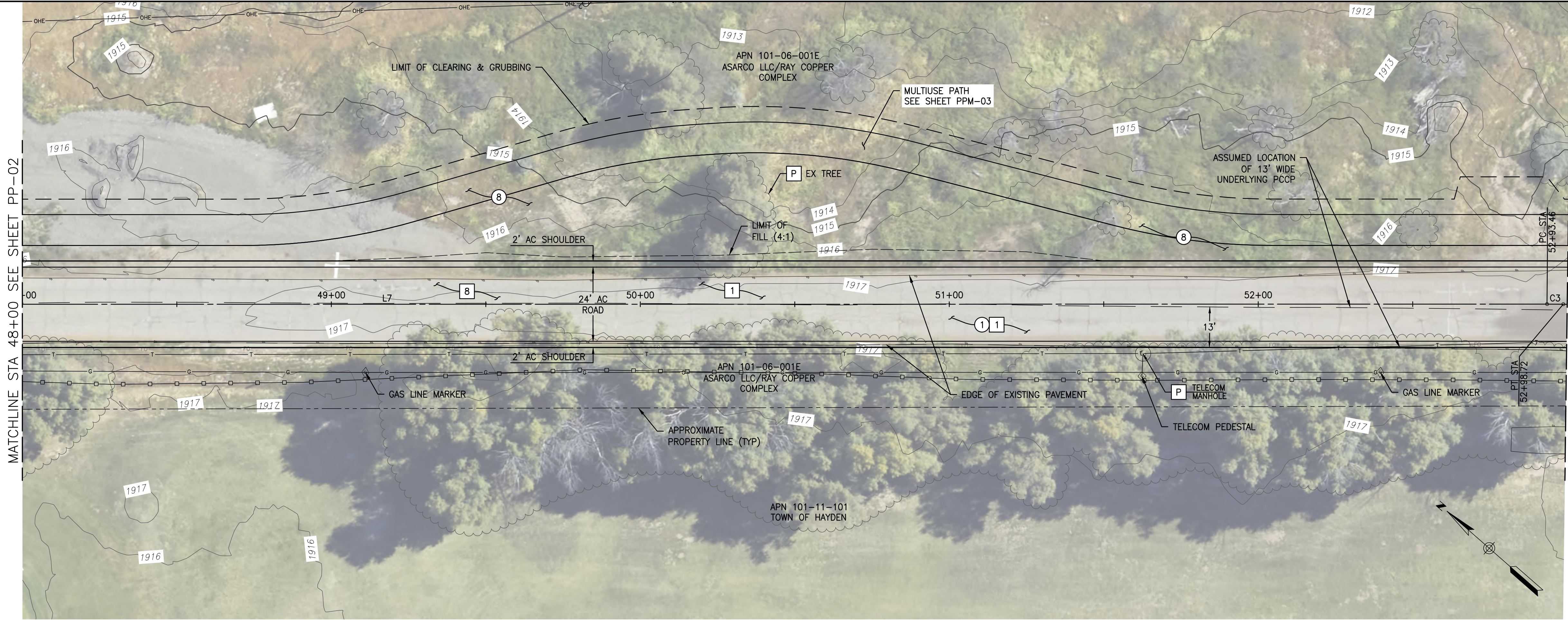
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working days before you begin excavation

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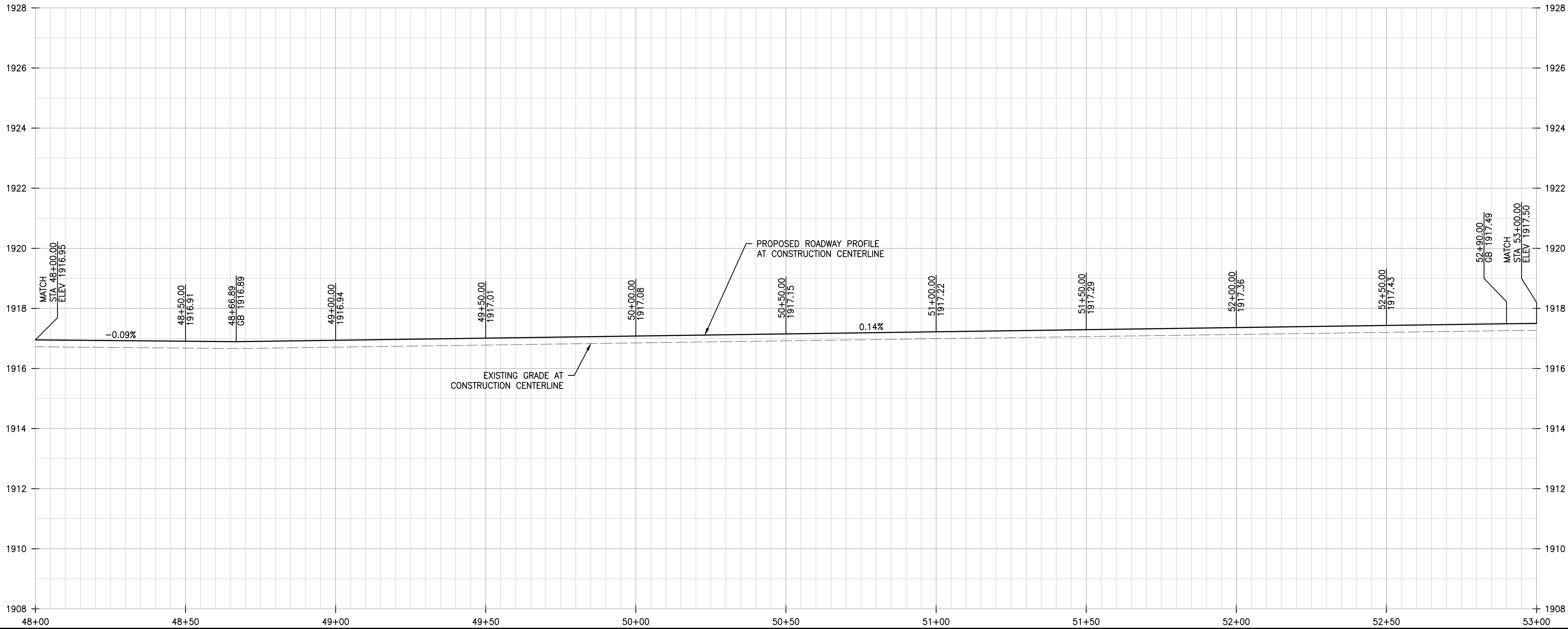
DRAWING NO.
PP-02
SHEET NO. 8 OF 26

PROJECT NO: 7071
DATE: 01/02/2025
DRAWN/DESIGNED BY: K. ROECKNER
CHECKED BY: D. MILLER
REVISION
NO. BY DATE

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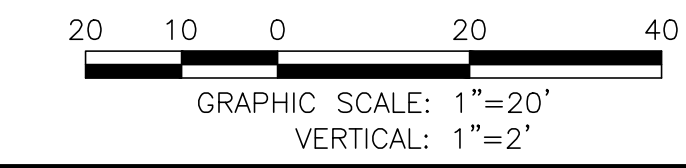
GOLF COURSE ROAD



REMOVAL/RELOCATE NOTES	
NO.	DESCRIPTION
①	REMOVE EXISTING AC PAVEMENT. PROTECT UNDERLYING CONCRETE IN PLACE WHERE APPLICABLE - LOCATION AS SHOWN
②	ADJUST MANHOLE TO FINISHED GRADE PER MAG STD DTL 422
③	ADJUST VALVE TO FINISHED GRADE PER MAG STD DTL 391
④	ADJUST METER BOX TO FINISHED GRADE
⑤	REMOVE & REPLACE EXISTING FENCE ALONG THE EDGE OF THE NEW PATH OR AS DIRECTED
⑥	RELOCATE EXISTING BACKFLOW PREVENTER
⑦	REMOVE EXISTING CURB & GUTTER
⑧	PROVIDE CLEARING & GRUBBING 5' ON EACH SIDE OF THE ROAD, 5' ON EACH SIDE OF THE MULTIUSE PATH, AND ANY CUT/FILL SLOPES THAT EXTEND BEYOND THE 5' LIMIT
⑨	REMOVE EXISTING SIDEWALK/CONCRETE
⑩	RELOCATE EXISTING TELECOMMUNICATIONS PEDESTAL (BY OTHERS)
⑪	RELOCATE EXISTING UTILITY MARKER

CONSTRUCTION NOTES	
NO.	DESCRIPTION
①	CONSTRUCT ASPHALT CONCRETE PAVEMENT SECTION, 5" DEPTH
②	CONSTRUCT ASPHALT CONCRETE PAVEMENT SECTION, 3" DEPTH
③	CONSTRUCT ASPHALT CONCRETE PAVEMENT SECTION, 2" DEPTH, ON 5" RAP BASE FOR MULTIUSE PATH
④	CONSTRUCT PC CONCRETE PAVEMENT PATH, 10' WIDTH, 5" DEPTH, ON 5" RAP BASE FOR MULTIUSE PATH
⑤	CONSTRUCT VERTICAL CURB & GUTTER PER MAG STD DTL 220 TYPE A
⑥	CONSTRUCT SPEED TABLE PER CITY OF SCOTTSDALE STD DTL 2292. STRIPE HIGH-VISIBILITY LADDER CROSSWALK PER DETAIL J, SHT DT-02
⑦	CONSTRUCT SPEED HUMP PER MAG STD DTL 210
⑧	SCARIFY & RECOMPACT EXISTING AGGREGATE BASE COURSE, 4.5" AVERAGE DEPTH
⑨	RE-GRADE BACKSLOPE AND INSTALL GROUTED RIPRAP SLOPE PROTECTION
⑩	SPREAD AND COMPACT MILLINGS OR AGGREGATE BASE MATERIAL ON UNSURFACED DRIVEWAYS/ROADS TO TRANSITION FROM THE NEW ASPHALT PAVEMENT TO THE EXISTING DRIVE/ROAD SURFACE
⑪	CONSTRUCT CURB TRANSITION SECTION - LENGTH AND CURB HEIGHT PER PLAN
⑫	CONSTRUCT 10' L x 4' W x 5" THICK SIDEWALK CENTERED ON POWER POLE FOR ADA ACCESS.
P	PROTECT IN PLACE
S	SAWCUT & MATCH EXISTING

GENERAL NOTES	
1	FROM THE BEGINNING OF THE PROJECT TO APPROXIMATELY STA 76+30 (±25') THERE IS AN EX. PCP SLAB BENEATH THE ASPHALT THAT IS 18' WIDE FROM STA 33+52 TO STA 39+23± AND 13' WIDE FROM STA 39+23± TO STA 76+30± (LOCATION OF WIDTH TRANSITION IS UNKNOWN)
2	THE PROFILE OF THE NEW ASPHALT PAVEMENT IS 0.23' (2.75") HIGHER THAN THE PROFILE OF THE EXISTING ASPHALT ROAD FROM STA 34+10 TO STA 74+64
3	EARTHWORK: CUT EXCAVATION & FILL EMBANKMENT ARE SHOWN ON THE PLANS AND ESTIMATED AT: TOTAL CUT: 980 CY TOTAL FILL: 900 CY * BACKFILL & GRADE TO MATCH EXISTING EDGES OF NEW PAVEMENT AND CURBS WHERE NEEDED AND AS NEEDED. * FILL MATERIAL SOURCES ARE FROM CUT AREAS AND THE EXCAVATION REQUIRED TO CONSTRUCT THE CONCRETE PATH. * EXCESS EXCAVATED SOIL MAY BE WASTED ON SITE AT LOCATIONS APPROVED BY THE TOWN INSPECTOR



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QUARELLI STREET -
GOLF COURSE ROAD PROJECT

TOWN OF WINKELMAN, ARIZONA

PLAN & PROFILE
STA 48+00 TO STA 53+00

Contact Arizona 811 at least two full working days before you begin excavation

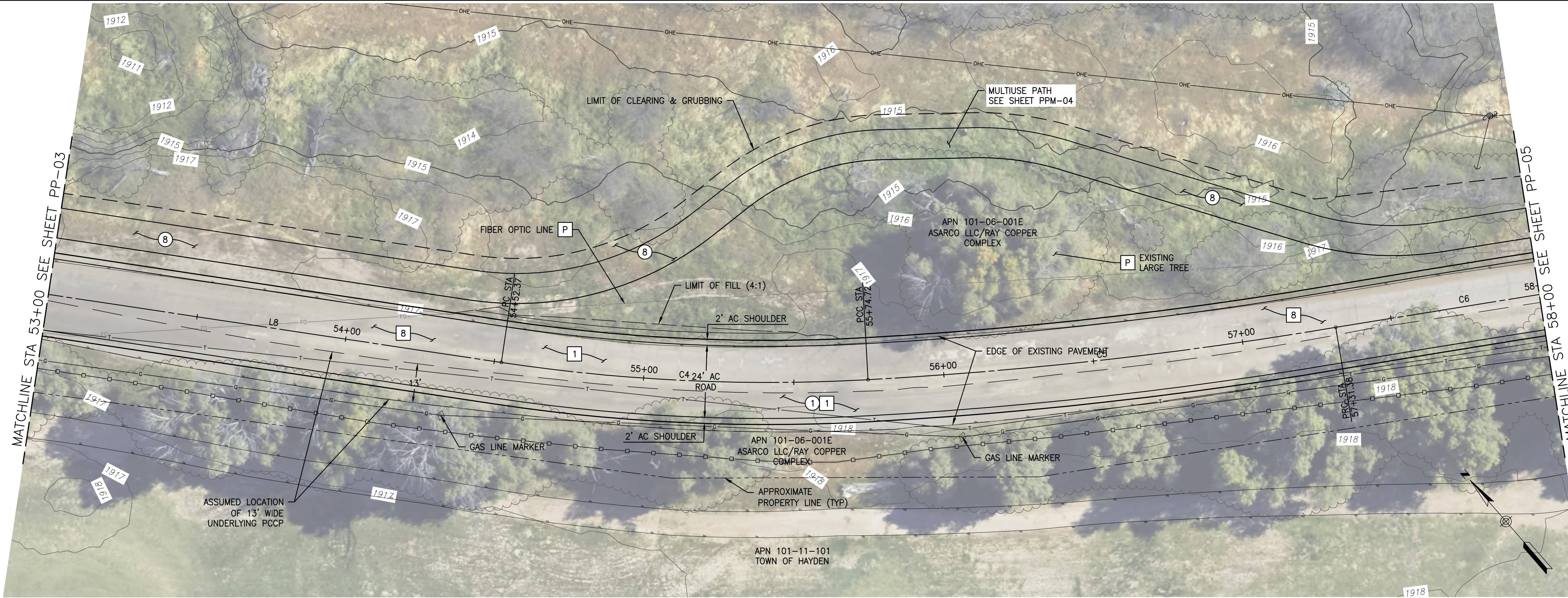
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PP-03
SHEET NO. 9 OF 26

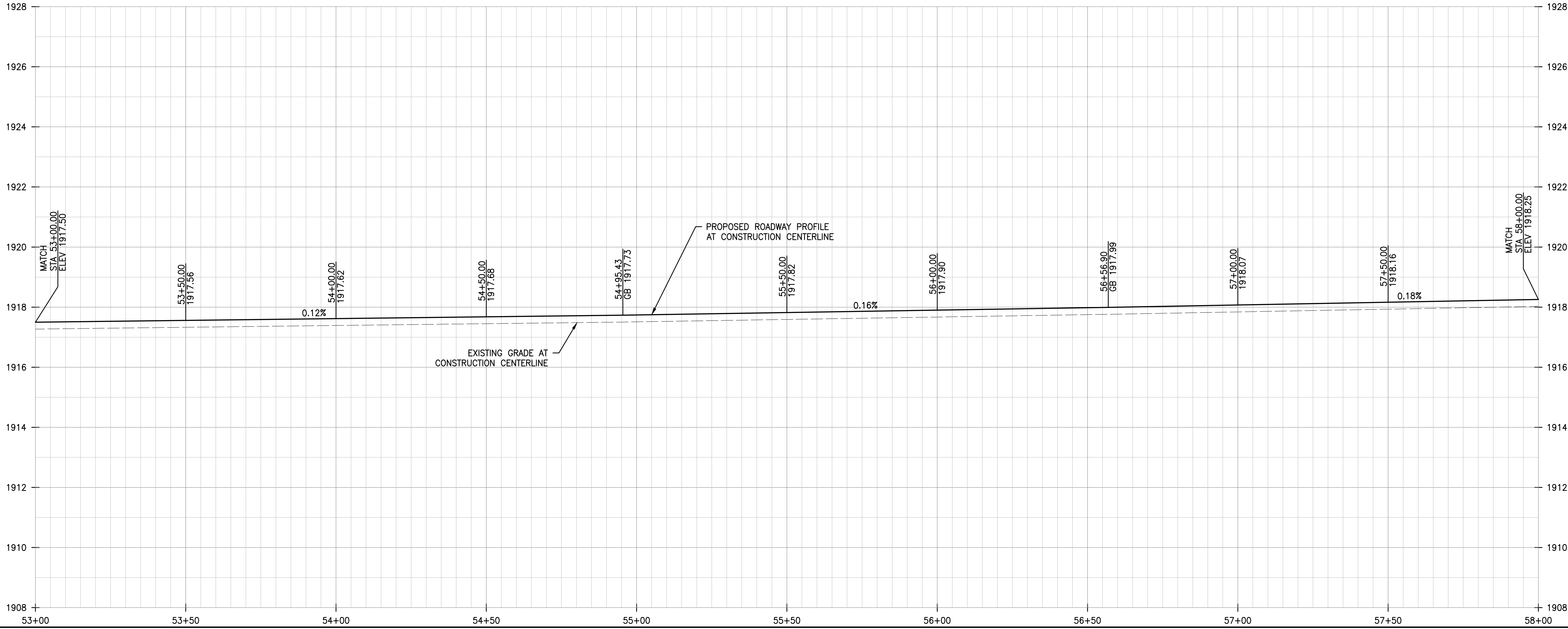
PROJECT NO: 7071
DATE: 01/02/2025

DESIGNED BY: K. ROECKNER
CHECKED BY: D. MILLER

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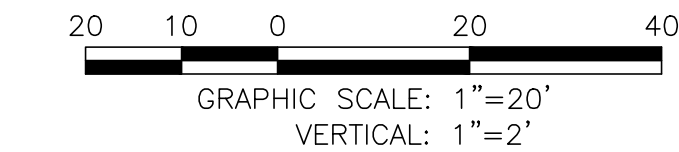
GOLF COURSE ROAD



REMOVAL/RELOCATE NOTES	
NO.	DESCRIPTION
①	REMOVE EXISTING AC PAVEMENT. PROTECT UNDERLYING CONCRETE IN PLACE WHERE APPLICABLE - LOCATION AS SHOWN
②	ADJUST MANHOLE TO FINISHED GRADE PER MAG STD DTL 422
③	ADJUST VALVE TO FINISHED GRADE PER MAG STD DTL 391
④	ADJUST METER BOX TO FINISHED GRADE
⑤	REMOVE & REPLACE EXISTING FENCE ALONG THE EDGE OF THE NEW PATH OR AS DIRECTED
⑥	RELOCATE EXISTING BACKFLOW PREVENTER
⑦	REMOVE EXISTING CURB & GUTTER
⑧	PROVIDE CLEARING & GRUBBING 5' ON EACH SIDE OF THE ROAD, 5' ON EACH SIDE OF THE MULTIUSE PATH, AND ANY CUT/FILL SLOPES THAT EXTEND BEYOND THE 5' LIMIT
⑨	REMOVE EXISTING SIDEWALK/CONCRETE
⑩	RELOCATE EXISTING TELECOMMUNICATIONS PEDESTAL (BY OTHERS)
⑪	RELOCATE EXISTING UTILITY MARKER

CONSTRUCTION NOTES	
NO.	DESCRIPTION
1	CONSTRUCT ASPHALT CONCRETE PAVEMENT SECTION, 5" DEPTH
2	CONSTRUCT ASPHALT CONCRETE PAVEMENT SECTION, 3" DEPTH
3	CONSTRUCT ASPHALT CONCRETE PAVEMENT SECTION, 2" DEPTH, ON 5" RAP BASE FOR MULTIUSE PATH
4	CONSTRUCT PC CONCRETE PAVEMENT PATH, 10' WIDTH, 5" DEPTH, ON 5" RAP BASE FOR MULTIUSE PATH
5	CONSTRUCT VERTICAL CURB & GUTTER PER MAG STD DTL 220 TYPE A
6	CONSTRUCT SPEED TABLE PER CITY OF SCOTTSDALE STD DTL 2292. STRIPE HIGH-VISIBILITY LADDER CROSSWALK PER DETAIL J, SHT DT-02
7	CONSTRUCT SPEED HUMP PER MAG STD DTL 210
8	SCARIFY & RECOMPACT EXISTING AGGREGATE BASE COURSE, 4.5" AVERAGE DEPTH
9	RE-GRADE BACKSLOPE AND INSTALL GROUTED RIPRAP SLOPE PROTECTION
10	SPREAD AND COMPACT MILLINGS OR AGGREGATE BASE MATERIAL ON UNSURFACED DRIVEWAYS/ROADS TO TRANSITION FROM THE NEW ASPHALT PAVEMENT TO THE EXISTING DRIVE/ROAD SURFACE
11	CONSTRUCT CURB TRANSITION SECTION - LENGTH AND CURB HEIGHT PER PLAN
12	CONSTRUCT 10' L x 4' W x 5" THICK SIDEWALK CENTERED ON POWER POLE FOR ADA ACCESS.
P	PROTECT IN PLACE
S	SAWCUT & MATCH EXISTING

GENERAL NOTES	
1	FROM THE BEGINNING OF THE PROJECT TO APPROXIMATELY STA 76+30 (±25') THERE IS AN EX. PCCP SLAB BENEATH THE ASPHALT THAT IS 18' WIDE FROM STA 33+52 TO STA 39+23± AND 13' WIDE FROM STA 39+23± TO STA 76+30± (LOCATION OF WIDTH TRANSITION IS UNKNOWN)
2	THE PROFILE OF THE NEW ASPHALT PAVEMENT IS 0.23' (2.75") HIGHER THAN THE PROFILE OF THE EXISTING ASPHALT ROAD FROM STA 34+10 TO STA 74+64
3	EARTHWORK: CUT EXCAVATION & FILL EMBANKMENT ARE SHOWN ON THE PLANS AND ESTIMATED AT: TOTAL CUT: 980 CY TOTAL FILL: 900 CY * BACKFILL & GRADE TO MATCH EXISTING EDGES OF NEW PAVEMENT AND CURBS WHERE NEEDED AND AS NEEDED. * FILL MATERIAL SOURCES ARE FROM CUT AREAS AND THE EXCAVATION REQUIRED TO CONSTRUCT THE CONCRETE PATH. * EXCESS EXCAVATED SOIL MAY BE WASTED ON SITE AT LOCATIONS APPROVED BY THE TOWN INSPECTOR



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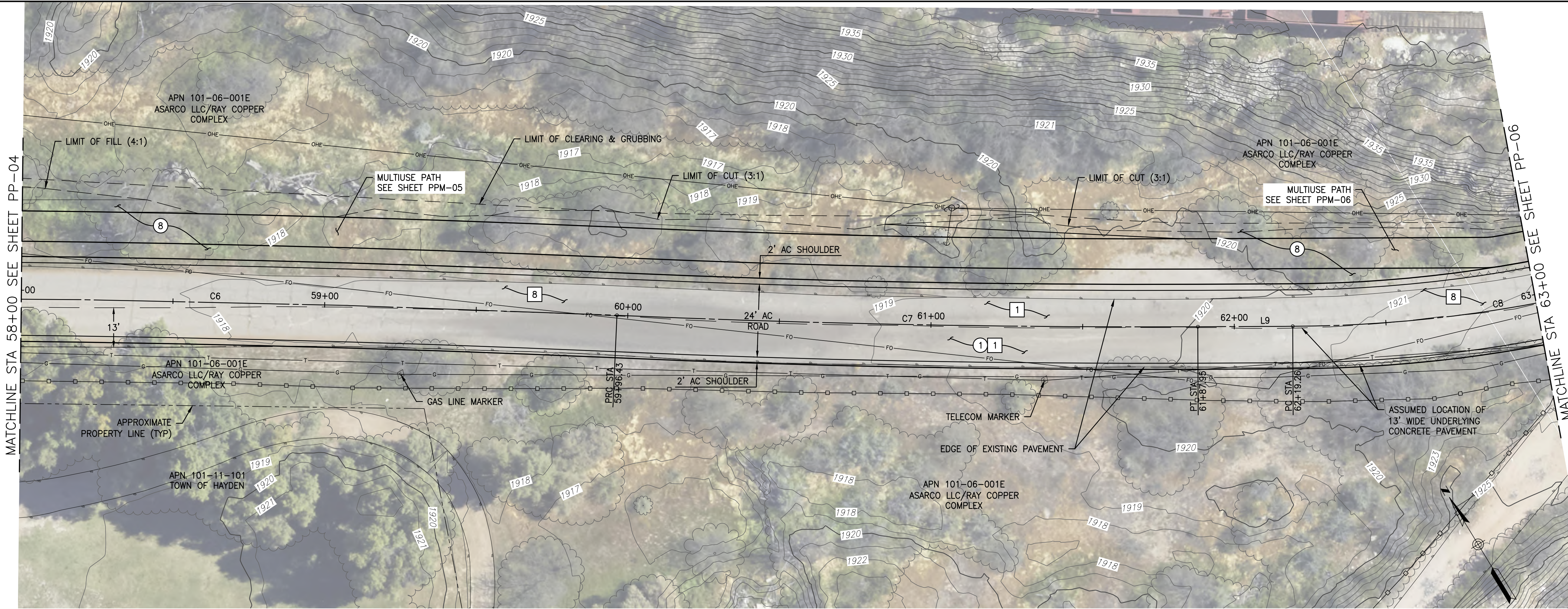
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SAN DIEGO ORANGE RIVERSIDE SACRAMENTO SAN LUIS OBISPO
SANTA CLARITA PHOENIX TUCSON LAS VEGAS DENVER
PROJECT NO: 7071
DRAWN/DESIGNED BY: K. ROECKNER
CHECKED BY: D. MILLER
DATE: 01/02/2025

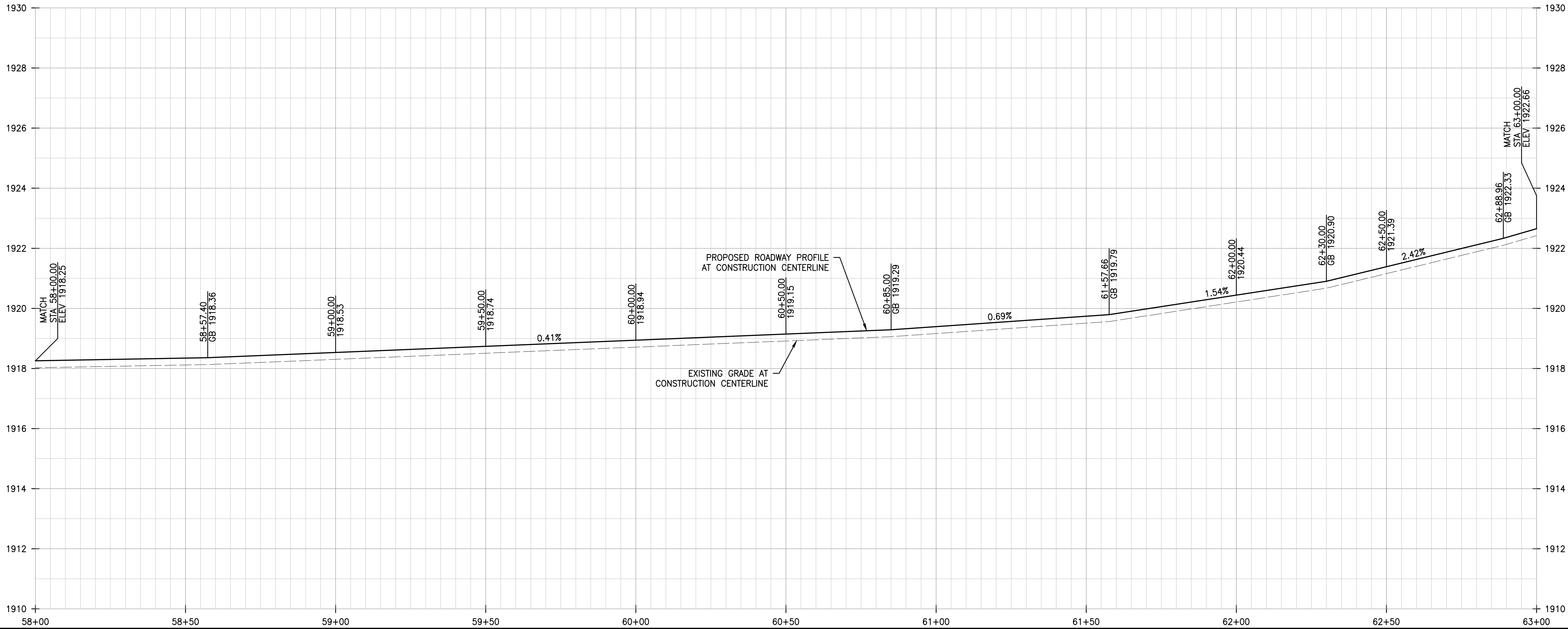
QUARELLI STREET -
GOLF COURSE ROAD PROJECT
TOWN OF WINKELMAN, ARIZONA
PLAN & PROFILE
STA 53+00 TO STA 58+00

DRAWING NO.
PP-04
SHEET NO. 10 OF 26

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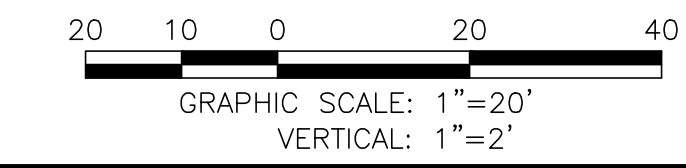
GOLF COURSE ROAD



REMOVAL/RELOCATE NOTES	
NO.	DESCRIPTION
①	REMOVE EXISTING AC PAVEMENT. PROTECT UNDERLYING CONCRETE IN PLACE WHERE APPLICABLE - LOCATION AS SHOWN
②	ADJUST MANHOLE TO FINISHED GRADE PER MAG STD DTL 422
③	ADJUST VALVE TO FINISHED GRADE PER MAG STD DTL 391
④	ADJUST METER BOX TO FINISHED GRADE
⑤	REMOVE & REPLACE EXISTING FENCE ALONG THE EDGE OF THE NEW PATH OR AS DIRECTED
⑥	RELOCATE EXISTING BACKFLOW PREVENTER
⑦	REMOVE EXISTING CURB & GUTTER
⑧	PROVIDE CLEARING & GRUBBING 5' ON EACH SIDE OF THE ROAD, 5' ON EACH SIDE OF THE MULTIUSE PATH, AND ANY CUT/FILL SLOPES THAT EXTEND BEYOND THE 5' LIMIT
⑨	REMOVE EXISTING SIDEWALK/CONCRETE
⑩	RELOCATE EXISTING TELECOMMUNICATIONS PEDESTAL (BY OTHERS)
⑪	RELOCATE EXISTING UTILITY MARKER

CONSTRUCTION NOTES	
NO.	DESCRIPTION
①	CONSTRUCT ASPHALT CONCRETE PAVEMENT SECTION, 5" DEPTH
②	CONSTRUCT ASPHALT CONCRETE PAVEMENT SECTION, 3" DEPTH
③	CONSTRUCT ASPHALT CONCRETE PAVEMENT SECTION ON 5" RAP FOR MULTIUSE PATH, 2" DEPTH
④	CONSTRUCT PC CONCRETE PAVEMENT PATH, 10' WIDTH, 5" DEPTH
⑤	CONSTRUCT VERTICAL CURB & GUTTER PER MAG STD DTL 220 TYPE A
⑥	CONSTRUCT SPEED TABLE PER CITY OF SCOTTSDALE STD DTL 2292. STRIPE HIGH-VISIBILITY LADDER CROSSWALK PER DETAIL J, SHT DT-02
⑦	CONSTRUCT SPEED HUMP PER MAG STD DTL 210
⑧	SCARIFY & RECOMPACT EXISTING AGGREGATE BASE COURSE, 4.5" AVERAGE DEPTH
⑨	RE-GRADE BACKSLOPE AND INSTALL GROUTED RIPRAP SLOPE PROTECTION
⑩	SPREAD AND COMPACT MILLINGS OR AGGREGATE BASE MATERIAL ON UNSURFACED DRIVEWAYS/ROADS TO TRANSITION FROM THE NEW ASPHALT PAVEMENT TO THE EXISTING DRIVE/ROAD SURFACE
⑪	CONSTRUCT CURB TRANSITION SECTION - LENGTH AND CURB HEIGHT PER PLAN
⑫	CONSTRUCT 10' L x 4' W x 5" THICK SIDEWALK CENTERED ON POWER POLE FOR ADA ACCESS.
P	PROTECT IN PLACE
S	SAWCUT & MATCH EXISTING

GENERAL NOTES	
1	FROM THE BEGINNING OF THE PROJECT TO APPROXIMATELY STA 76+30 (±25') THERE IS AN EX. PCCP SLAB BENEATH THE ASPHALT THAT IS 18' WIDE FROM STA 33+52 TO STA 39+23± AND 13' WIDE FROM STA 39+23± TO STA 76+30± (LOCATION OF WIDTH TRANSITION IS UNKNOWN)
2	THE PROFILE OF THE NEW ASPHALT PAVEMENT IS 0.23' (2.75") HIGHER THAN THE PROFILE OF THE EXISTING ASPHALT ROAD FROM STA 34+10 TO STA 74+64
3	EARTHWORK: CUT EXCAVATION & FILL EMBANKMENT ARE SHOWN ON THE PLANS AND ESTIMATED AT: TOTAL CUT: 980 CY TOTAL FILL: 900 CY * BACKFILL & GRADE TO MATCH EXISTING EDGES OF NEW PAVEMENT AND CURBS WHERE NEEDED AND AS NEEDED. * FILL MATERIAL SOURCES ARE FROM CUT AREAS AND THE EXCAVATION REQUIRED TO CONSTRUCT THE CONCRETE PATH. * EXCESS EXCAVATED SOIL MAY BE WASTED ON SITE AT LOCATIONS APPROVED BY THE TOWN INSPECTOR



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QUARELLI STREET -
GOLF COURSE ROAD PROJECT
TOWN OF WINKELMAN, ARIZONA

PLAN & PROFILE
STA 58+00 TO STA 63+00

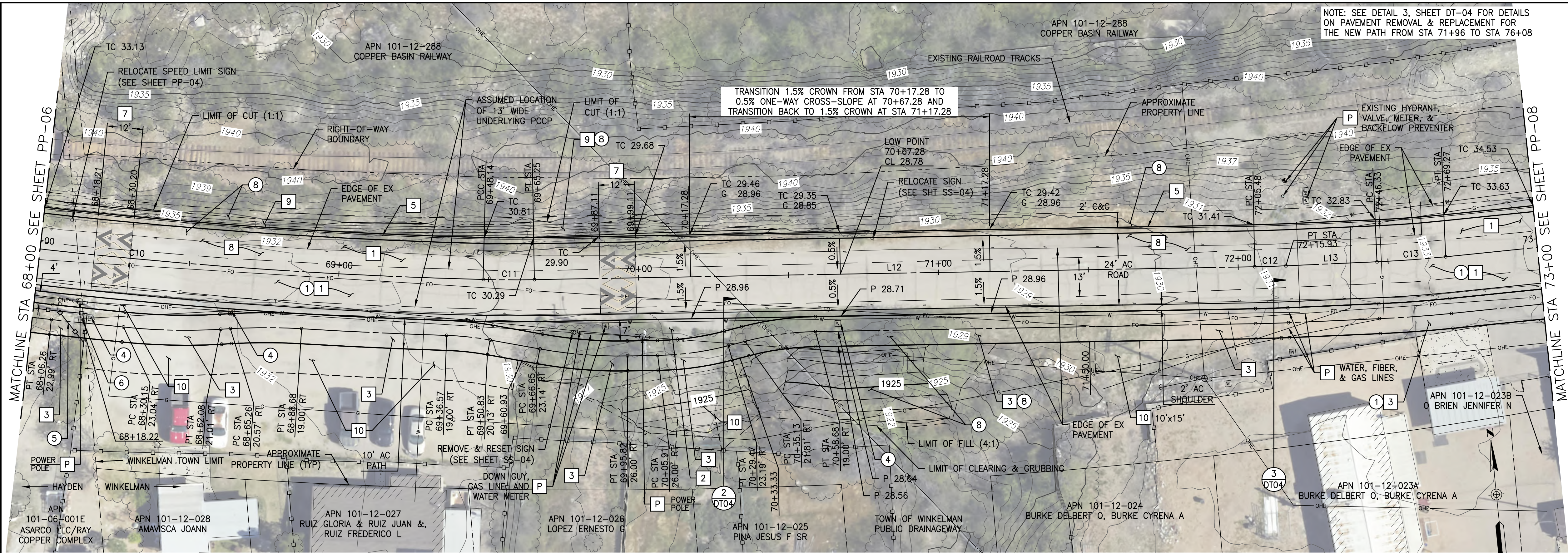
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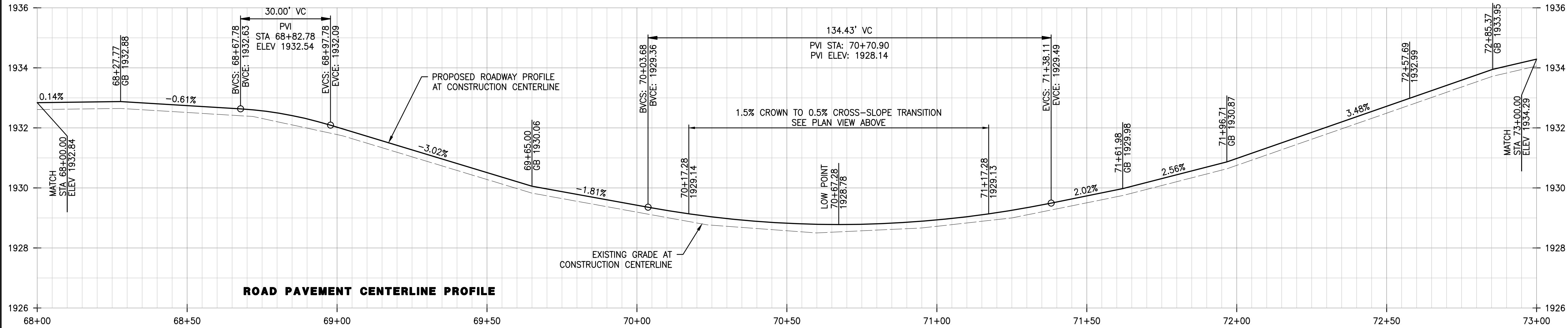
DRAWING NO.
PP-05
SHEET NO. 11 OF 26

PROJECT NO: 7071
DATE: 01/02/2025
DRAWN/DESIGNED BY: K. ROECKNER
CHECKED BY: D. MILLER

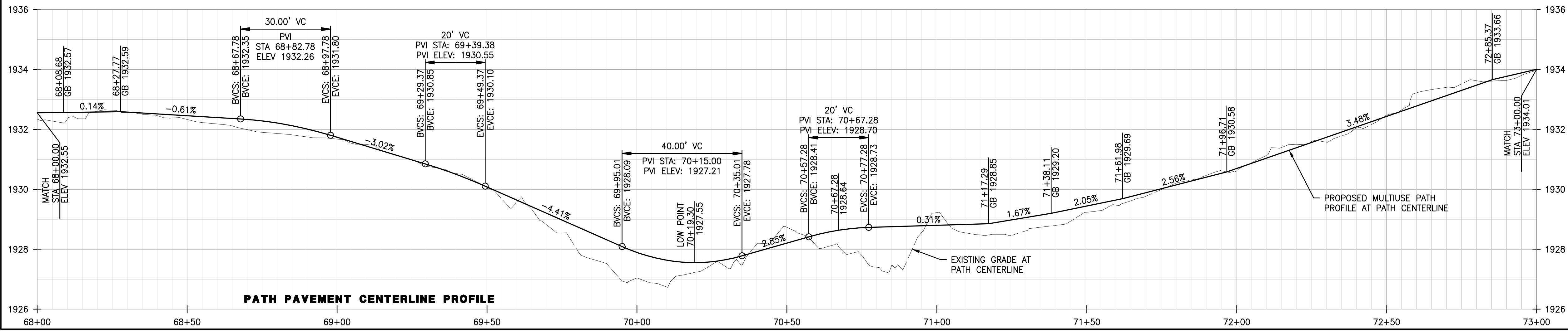
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QUARELLI STREET



ROAD PAVEMENT CENTERLINE PROFILE

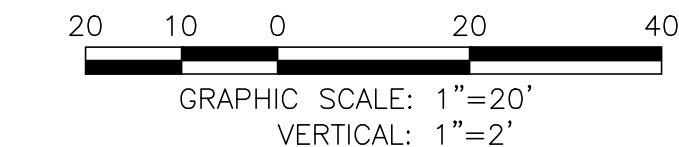


PATH PAVEMENT CENTERLINE PROFILE

REMOVAL/RELOCATE NOTES	
NO.	DESCRIPTION
1	REMOVE EXISTING AC PAVEMENT. PROTECT UNDERLYING CONCRETE IN PLACE WHERE APPLICABLE - LOCATION AS SHOWN
2	ADJUST MANHOLE TO FINISHED GRADE PER MAG STD DTL 422
3	ADJUST VALVE TO FINISHED GRADE PER MAG STD DTL 391
4	ADJUST METER BOX TO FINISHED GRADE
5	REMOVE & REPLACE EXISTING FENCE ALONG THE EDGE OF THE NEW PATH OR AS DIRECTED
6	RELOCATE EXISTING BACKFLOW PREVENTER
7	REMOVE EXISTING CURB & GUTTER
8	PROVIDE CLEARING & GRUBBING 5' ON EACH SIDE OF THE ROAD, 5' ON EACH SIDE OF THE MULTIUSE PATH, AND ANY CUT/FILL SLOPES THAT EXTEND BEYOND THE 5' LIMIT
9	REMOVE EXISTING SIDEWALK/CONCRETE
10	RELOCATE EXISTING TELECOMMUNICATIONS PEDESTAL (BY OTHERS)
11	RELOCATE EXISTING UTILITY MARKER

CONSTRUCTION NOTES	
NO.	DESCRIPTION
1	CONSTRUCT ASPHALT CONCRETE PAVEMENT SECTION, 5" DEPTH
2	CONSTRUCT ASPHALT CONCRETE PAVEMENT SECTION, 3" DEPTH
3	CONSTRUCT ASPHALT CONCRETE PAVEMENT SECTION ON 5" RAP FOR MULTIUSE PATH, 2" DEPTH
4	CONSTRUCT PC CONCRETE PAVEMENT PATH, 10' WIDTH, 5" DEPTH
5	CONSTRUCT VERTICAL CURB & GUTTER PER MAG STD DTL 220 TYPE A
6	CONSTRUCT SPEED TABLE PER CITY OF SCOTTSDALE STD DTL 2292. STRIPE HIGH-VISIBILITY LADDER CROSSWALK PER DETAIL J, SHT DT-02
7	CONSTRUCT SPEED HUMP PER MAG STD DTL 210
8	SCARIFY & RECOMPACT EXISTING AGGREGATE BASE COURSE, 4.5" AVERAGE DEPTH
9	RE-GRADE BACKSLOPE AND INSTALL GROUTED RIPRAP SLOPE PROTECTION
10	SPREAD AND COMPACT MILLINGS OR AGGREGATE BASE MATERIAL ON UNSURFACED DRIVEWAYS/ROADS TO TRANSITION FROM THE NEW ASPHALT PAVEMENT TO THE EXISTING DRIVE/ROAD SURFACE
11	CONSTRUCT CURB TRANSITION SECTION - LENGTH AND CURB HEIGHT PER PLAN
12	CONSTRUCT 10' L x 4' W x 5" THICK SIDEWALK CENTERED ON POWER POLE FOR ADA ACCESS.
P	PROTECT IN PLACE
S	SAWCUT & MATCH EXISTING

GENERAL NOTES	
1	FROM THE BEGINNING OF THE PROJECT TO APPROXIMATELY STA 76+30 (±25') THERE IS AN EX. PCPC SLAB BENEATH THE ASPHALT THAT IS 18' WIDE FROM STA 33+52 TO STA 39+23± AND 13' WIDE FROM STA 39+23± TO STA 76+30± (LOCATION OF WIDTH TRANSITION IS UNKNOWN)
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ENGINEERING

PROJECT NO: 7071
DATE: 01/02/2025

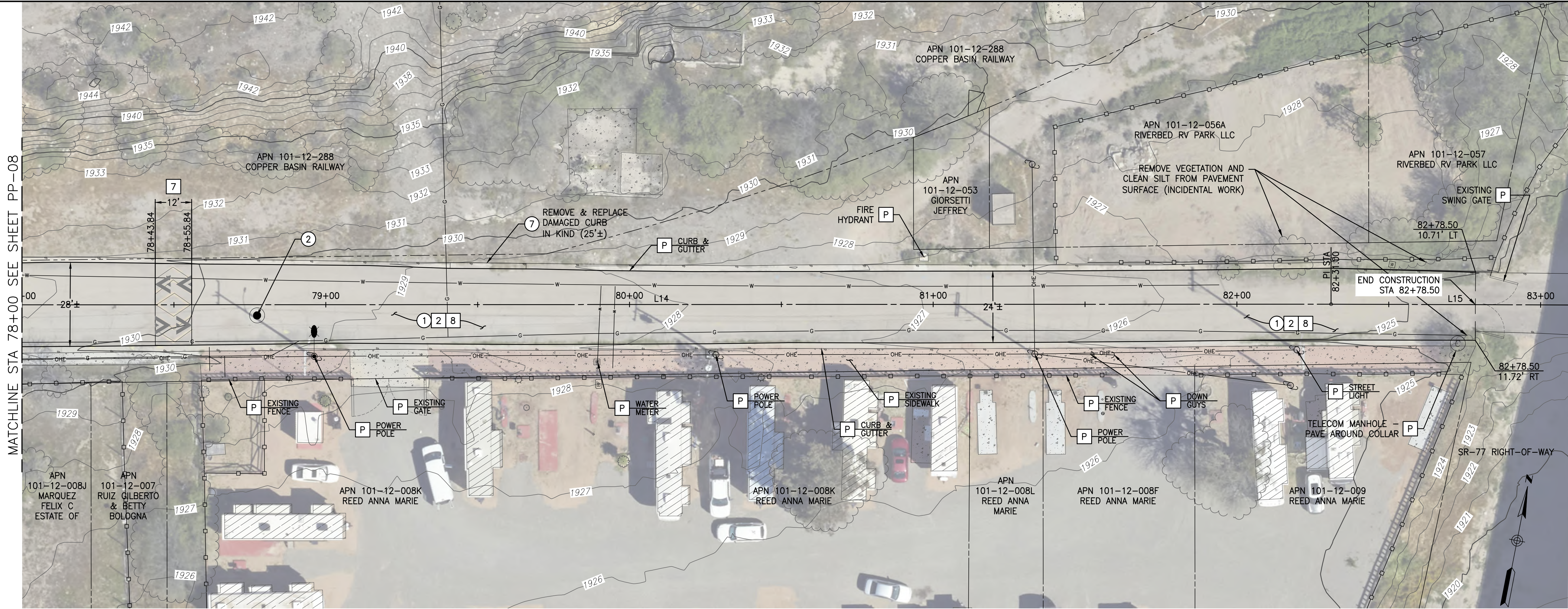
DESIGNED BY: K. ROECKNER
CHECKED BY: D. MILLER

QUARELLI STREET -
GOLF COURSE ROAD PROJECT
TOWN OF WINKELMAN, ARIZONA
PLAN & PROFILE
STA 68+00 TO STA 73+00

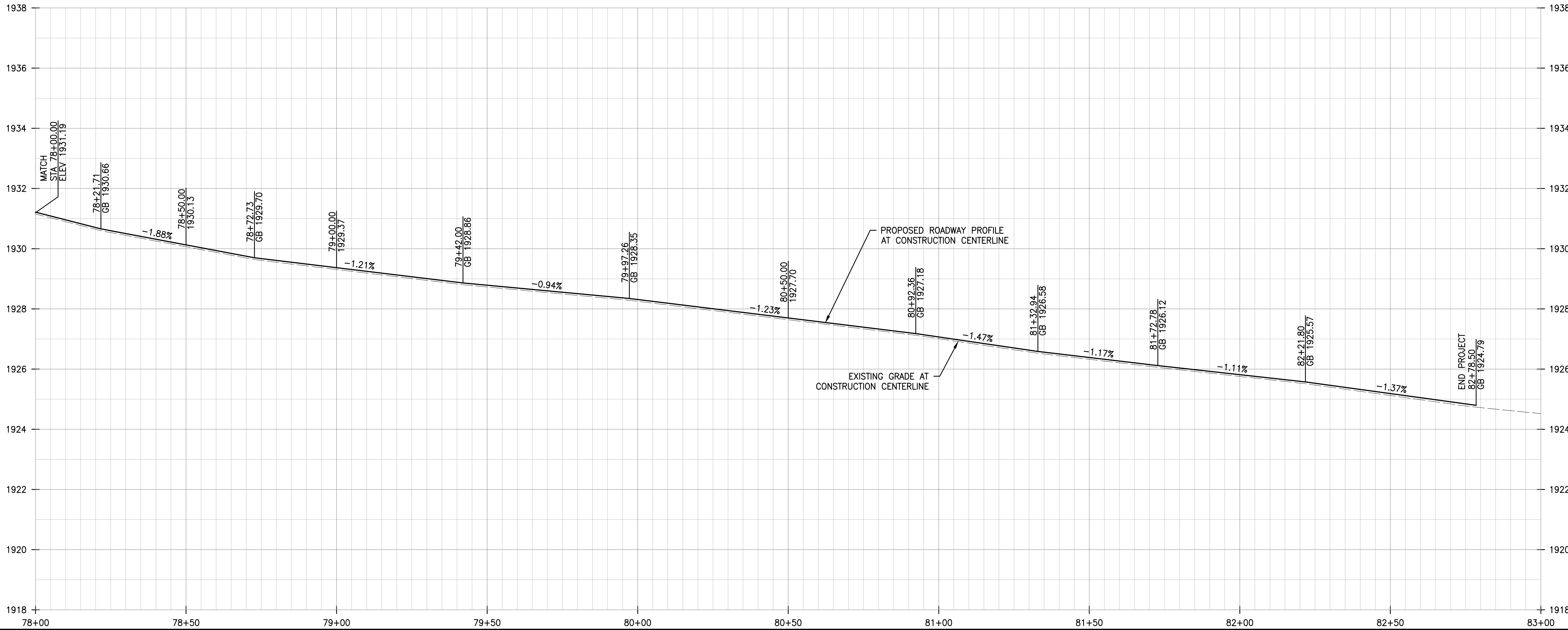
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QUARELLI STREET



REMOVAL/RELOCATE NOTES	
NO.	DESCRIPTION
①	REMOVE EXISTING AC PAVEMENT. PROTECT UNDERLYING CONCRETE IN PLACE WHERE APPLICABLE - LOCATION AS SHOWN
②	ADJUST MANHOLE TO FINISHED GRADE PER MAG STD DTL 422
③	ADJUST VALVE TO FINISHED GRADE PER MAG STD DTL 391
④	ADJUST METER BOX TO FINISHED GRADE
⑤	REMOVE & REPLACE EXISTING FENCE ALONG THE EDGE OF THE NEW PATH OR AS DIRECTED
⑥	RELOCATE EXISTING BACKFLOW PREVENTER
⑦	REMOVE EXISTING CURB & GUTTER
⑧	PROVIDE CLEARING & GRUBBING 5' ON EACH SIDE OF THE ROAD, 5' ON EACH SIDE OF THE MULTIUSE PATH, AND ANY CUT/FILL SLOPES THAT EXTEND BEYOND THE 5' LIMIT
⑨	REMOVE EXISTING SIDEWALK/CONCRETE
⑩	RELOCATE EXISTING TELECOMMUNICATIONS PEDESTAL (BY OTHERS)
⑪	RELOCATE EXISTING UTILITY MARKER
CONSTRUCTION NOTES	
NO.	DESCRIPTION
1	CONSTRUCT ASPHALT CONCRETE PAVEMENT SECTION, 5" DEPTH
2	CONSTRUCT ASPHALT CONCRETE PAVEMENT SECTION, 3" DEPTH
3	CONSTRUCT ASPHALT CONCRETE PAVEMENT SECTION ON 5" RAP FOR MULTIUSE PATH, 2" DEPTH
4	CONSTRUCT PC CONCRETE PAVEMENT PATH, 10' WIDTH, 5" DEPTH
5	CONSTRUCT VERTICAL CURB & GUTTER PER MAG STD DTL 220 TYPE A
6	CONSTRUCT SPEED TABLE PER CITY OF SCOTTSDALE STD DTL 2292. STRIPE HIGH-VISIBILITY LADDER CROSSWALK PER DETAIL J, SHT DT-02
7	CONSTRUCT SPEED HUMP PER MAG STD DTL 210
8	SCARIFY & RECOMPACT EXISTING AGGREGATE BASE COURSE, 4.5" AVERAGE DEPTH
9	RE-GRADE BACKSLOPE AND INSTALL GROUTED RIPRAP SLOPE PROTECTION
10	SPREAD AND COMPACT MILLINGS OR AGGREGATE BASE MATERIAL ON UNSURFACED DRIVEWAYS/ROADS TO TRANSITION FROM THE NEW ASPHALT PAVEMENT TO THE EXISTING DRIVE/ROAD SURFACE
11	CONSTRUCT CURB TRANSITION SECTION - LENGTH AND CURB HEIGHT PER PLAN
12	CONSTRUCT 10' L x 4' W x 5" THICK SIDEWALK CENTERED ON POWER POLE FOR ADA ACCESS.
P	PROTECT IN PLACE
S	SAWCUT & MATCH EXISTING
GENERAL NOTES	
1	FROM THE BEGINNING OF THE PROJECT TO APPROXIMATELY STA 76+30 (±25') THERE IS AN EX. PCPC SLAB BENEATH THE ASPHALT THAT IS 18' WIDE FROM STA 33+52 TO STA 39+23± AND 13' WIDE FROM STA 39+23± TO STA 76+30± (LOCATION OF WIDTH TRANSITION IS UNKNOWN)
2	THE PROFILE OF THE NEW ASPHALT PAVEMENT IS 0.23' (2.75") HIGHER THAN THE PROFILE OF THE EXISTING ASPHALT ROAD FROM STA 34+10 TO STA 74+64
3	EARTHWORK: CUT EXCAVATION & FILL EMBANKMENT ARE SHOWN ON THE PLANS AND ESTIMATED AT: TOTAL CUT: 980 CY TOTAL FILL: 900 CY * BACKFILL & GRADE TO MATCH EXISTING EDGES OF NEW PAVEMENT AND CURBS WHERE NEEDED AND AS NEEDED. * FILL MATERIAL SOURCES ARE FROM CUT AREAS AND THE EXCAVATION REQUIRED TO CONSTRUCT THE CONCRETE PATH. * EXCESS EXCAVATED SOIL MAY BE WASTED ON SITE AT LOCATIONS APPROVED BY THE TOWN INSPECTOR

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QUARELLI STREET -
GOLF COURSE ROAD PROJECT

TOWN OF WINKELMAN, ARIZONA

PLAN & PROFILE
STA 78+00 TO STA 83+00

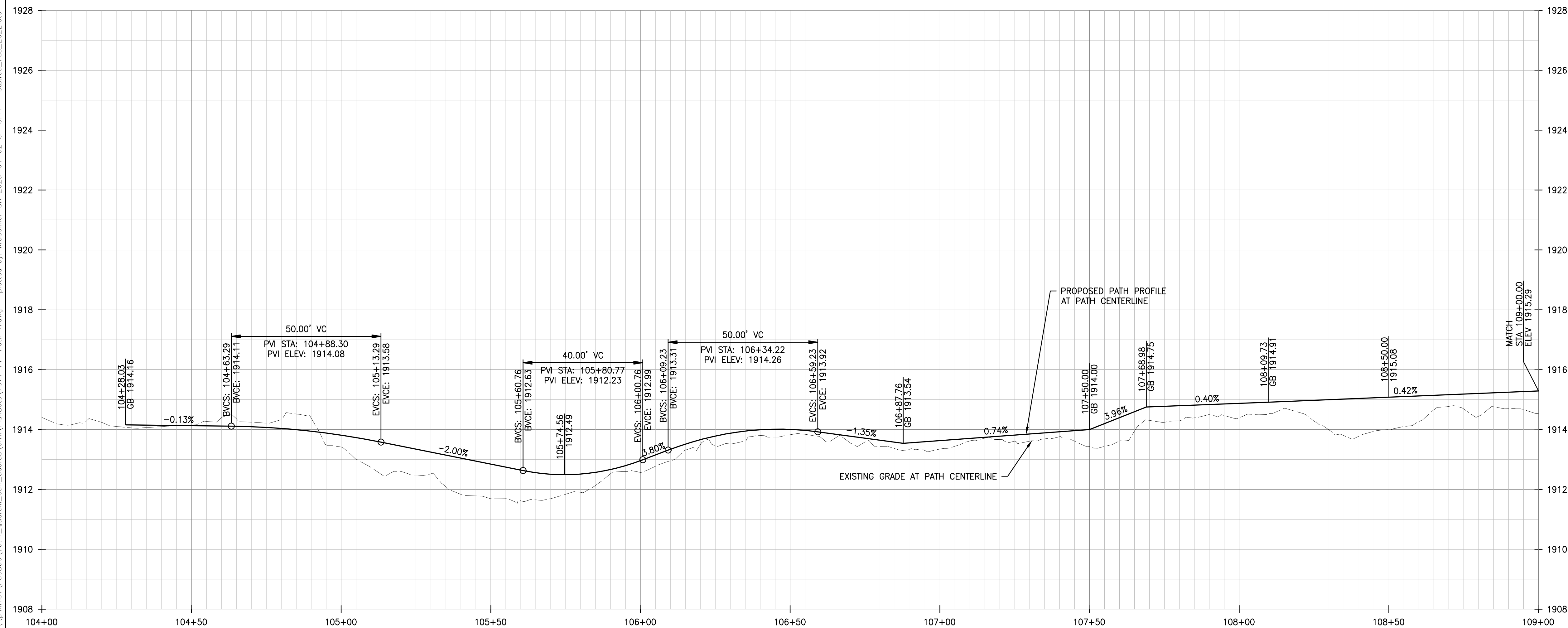
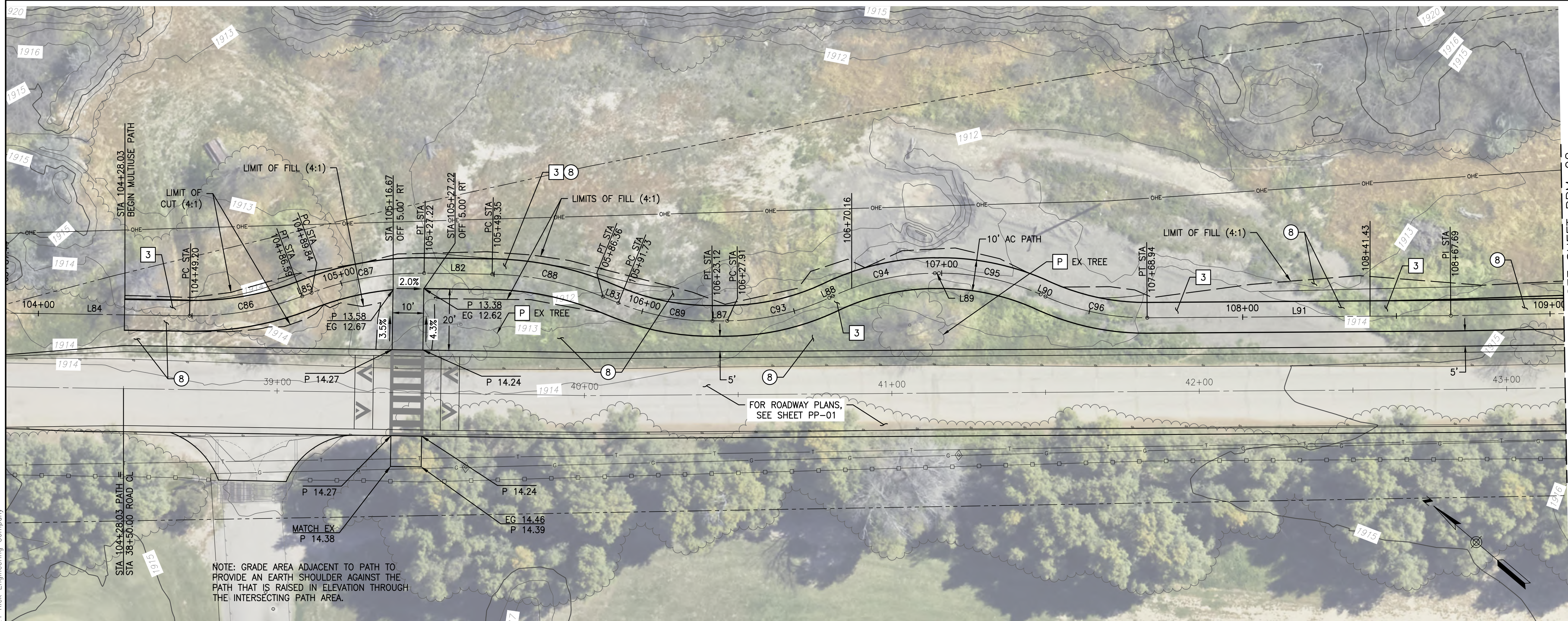
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DRAWING NO.
PP-09
SHEET NO. 15 OF 26

PROJECT NO: 7071
DRAWN/DESIGNED BY: K. ROECKNER
DATE: 01/02/2025

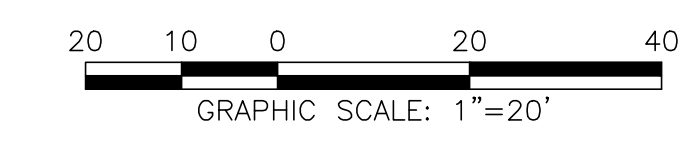
CHECKED BY: D. MILLER



REMOVAL/RELOCATE NOTES	
NO.	DESCRIPTION
1	REMOVE EXISTING AC PAVEMENT. PROTECT UNDERLYING CONCRETE IN PLACE WHERE APPLICABLE - LOCATION AS SHOWN
2	ADJUST MANHOLE TO FINISHED GRADE PER MAG STD DTL 422
3	ADJUST VALVE TO FINISHED GRADE PER MAG STD DTL 391
4	ADJUST METER BOX TO FINISHED GRADE
5	REMOVE & REPLACE EXISTING FENCE ALONG THE EDGE OF THE NEW PATH OR AS DIRECTED
6	RELOCATE EXISTING BACKFLOW PREVENTER
7	REMOVE EXISTING CURB & GUTTER
8	PROVIDE CLEARING & GRUBBING 5' ON EACH SIDE OF THE ROAD, 5' ON EACH SIDE OF THE MULTIUSE PATH, AND ANY CUT/FILL SLOPES THAT EXTEND BEYOND THE 5' LIMIT
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11	RELOCATE EXISTING UTILITY MARKER

CONSTRUCTION NOTES	
NO.	DESCRIPTION
1	CONSTRUCT ASPHALT CONCRETE PAVEMENT SECTION, 5" DEPTH
2	CONSTRUCT ASPHALT CONCRETE PAVEMENT SECTION, 3" DEPTH
3	CONSTRUCT ASPHALT CONCRETE PAVEMENT SECTION, 2" DEPTH, ON 5" RAP BASE FOR MULTIUSE PATH
4	CONSTRUCT PC CONCRETE PAVEMENT PATH, 10' WIDTH, 5" DEPTH, ON 5" RAP BASE FOR MULTIUSE PATH
5	CONSTRUCT VERTICAL CURB & GUTTER PER MAG STD DTL 220 TYPE A
6	CONSTRUCT SPEED TABLE PER CITY OF SCOTTSDALE STD DTL 2292. STRIPE HIGH-VISIBILITY LADDER CROSSWALK PER DETAIL J, SHT DT-02
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8	SCARIFY & RECOMPACT EXISTING AGGREGATE BASE COURSE, 4.5" AVERAGE DEPTH
9	RE-GRADE BACKSLOPE AND INSTALL GROUTED RIPRAP SLOPE PROTECTION
10	SPREAD AND COMPACT MILLINGS OR AGGREGATE BASE MATERIAL ON UNSURFACED DRIVEWAYS/ROADS TO TRANSITION FROM THE NEW ASPHALT PAVEMENT TO THE EXISTING DRIVE/ROAD SURFACE
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12	CONSTRUCT 10' L x 4' W x 5" THICK SIDEWALK CENTERED ON POWER POLE FOR ADA ACCESS.
P	PROTECT IN PLACE
S	SAWCUT & MATCH EXISTING

GENERAL NOTES	
1	FROM THE BEGINNING OF THE PROJECT TO APPROXIMATELY STA 76+30 (±25') THERE IS AN EX. PCOP SLAB BENEATH THE ASPHALT THAT IS 18' WIDE FROM STA 33+52 TO STA 39+23± AND 13' WIDE FROM STA 39+23± TO STA 76+30± (LOCATION OF WIDTH TRANSITION IS UNKNOWN)
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**RICK**

REGISTERED PROFESSIONAL ENGINEER
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DALE E. MILLER
01/01/2015
ARIZONA U.S.A.

PROJECT NO: 7071
DATE: 01/02/2025

DESIGNED BY: K. ROECKNER
CHECKED BY: D. MILLER

QUARELLI STREET -
GOLF COURSE ROAD PROJECT

TOWN OF WINKELMAN, ARIZONA

MULTIUSE PATH PLAN & PROFILE
STA 104+00 TO STA 109+00

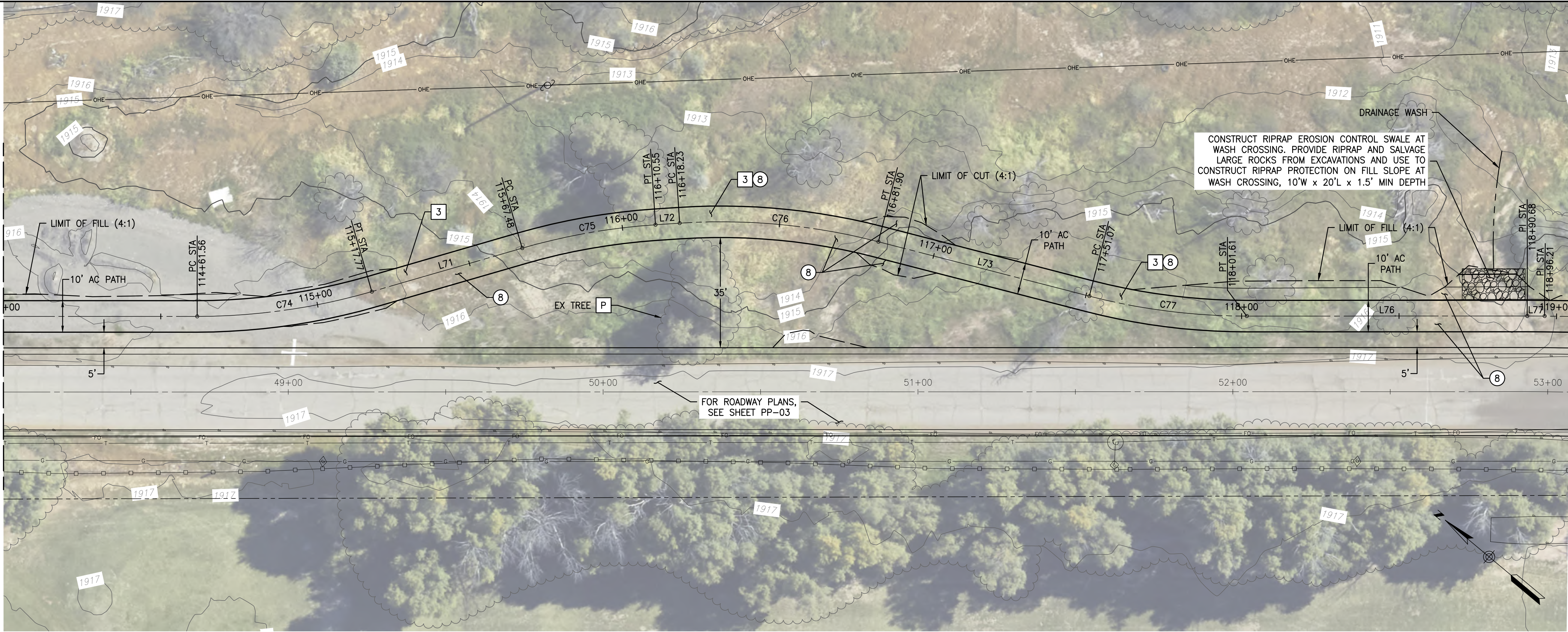
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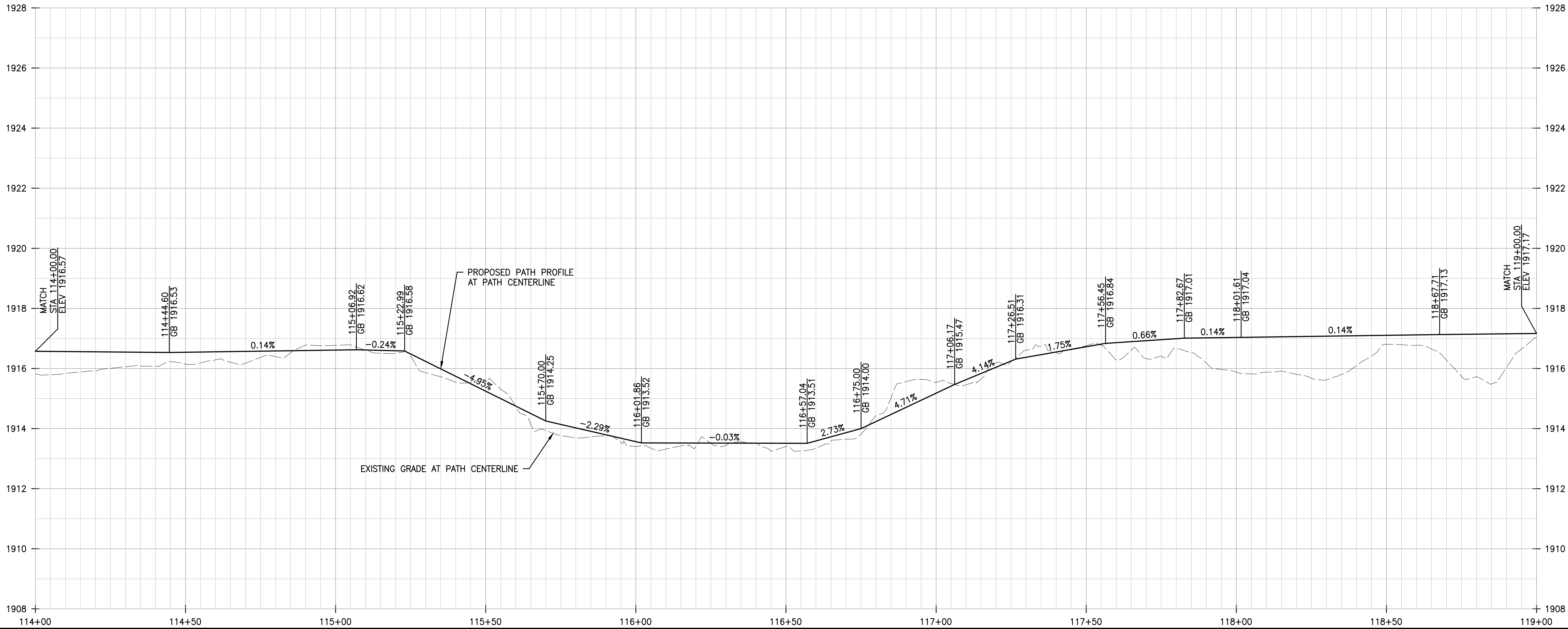
DRAWING NO.
PPM-01
SHEET NO. 16 OF 26

\\phylie\p05000\7071_Quarelli_Golf_Course\Civil\PlanSets\7071-PP-Path-A.dwg -- plotted by: kreckner ON 2025-01-02 @ 12:43 -- c:\bres_ncs_2022.dtb -- © 2024 Rick Engineering Company

MATCHLINE STA 114+00 SEE SHEET PPM-02



MATCHLINE STA 119+00 SEE SHEET PPM-04



REMOVAL/RELOCATE NOTES	
NO.	DESCRIPTION
①	REMOVE EXISTING AC PAVEMENT. PROTECT UNDERLYING CONCRETE IN PLACE WHERE APPLICABLE - LOCATION AS SHOWN
②	ADJUST MANHOLE TO FINISHED GRADE PER MAG STD DTL 422
③	ADJUST VALVE TO FINISHED GRADE PER MAG STD DTL 391
④	ADJUST METER BOX TO FINISHED GRADE
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⑦	REMOVE EXISTING CURB & GUTTER
⑧	PROVIDE CLEARING & GRUBBING 5' ON EACH SIDE OF THE ROAD, 5' ON EACH SIDE OF THE MULTIUSE PATH, AND ANY CUT/FILL SLOPES THAT EXTEND BEYOND THE 5' LIMIT
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⑪	RELOCATE EXISTING UTILITY MARKER

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③	CONSTRUCT ASPHALT CONCRETE PAVEMENT SECTION, 2" DEPTH, ON 5" RAP BASE FOR MULTIUSE PATH
④	CONSTRUCT PC CONCRETE PAVEMENT PATH, 10' WIDTH, 5" DEPTH, ON 5" RAP BASE FOR MULTIUSE PATH
⑤	CONSTRUCT VERTICAL CURB & GUTTER PER MAG STD DTL 220 TYPE A
⑥	CONSTRUCT SPEED TABLE PER CITY OF SCOTTSDALE STD DTL 2292. STRIPE HIGH-VISIBILITY LADDER CROSSWALK PER DETAIL J, SHT DT-02
⑦	CONSTRUCT SPEED HUMP PER MAG STD DTL 210
⑧	SCARIFY & RECOMPACT EXISTING AGGREGATE BASE COURSE, 4.5" AVERAGE DEPTH
⑨	RE-GRADE BACKSLOPE AND INSTALL GROUTED RIPRAP SLOPE PROTECTION
⑩	SPREAD AND COMPACT MILLINGS OR AGGREGATE BASE MATERIAL ON UNSURFACED DRIVEWAYS/ROADS TO TRANSITION FROM THE NEW ASPHALT PAVEMENT TO THE EXISTING DRIVE/ROAD SURFACE
⑪	CONSTRUCT CURB TRANSITION SECTION - LENGTH AND CURB HEIGHT PER PLAN
⑫	CONSTRUCT 10' L x 4' W x 5" THICK SIDEWALK CENTERED ON POWER POLE FOR ADA ACCESS.
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S	SAWCUT & MATCH EXISTING

GENERAL NOTES	
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SAN DIEGO ORANGE RIVERSIDE SACRAMENTO SAN LUIS OBISPO
SANTA CLARITA PHOENIX TUCSON LAS VEGAS DENVER

PROJECT NO: 7071
DATE: 01/02/2025

DRAWN/DESIGNED BY: K. ROECKNER
CHECKED BY: D. MILLER

QUARELLI STREET -
GOLF COURSE ROAD PROJECT

TOWN OF WINKELMAN, ARIZONA

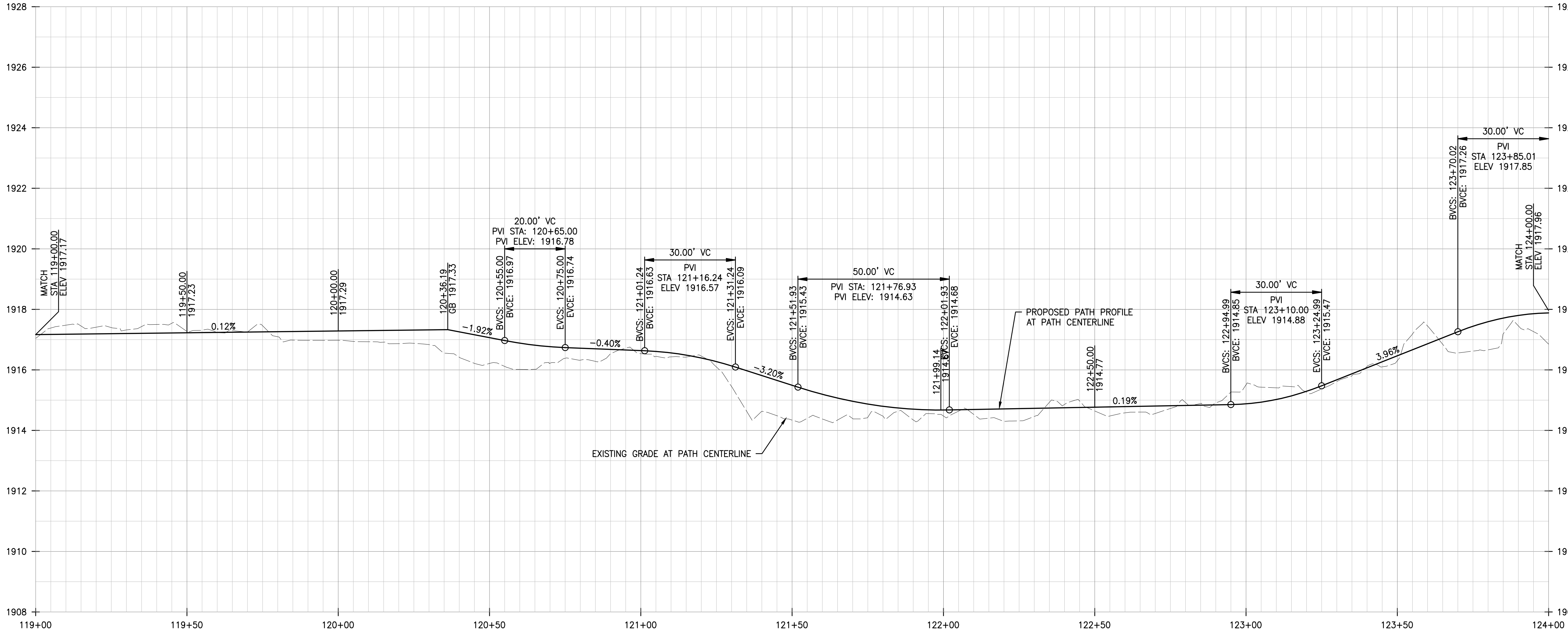
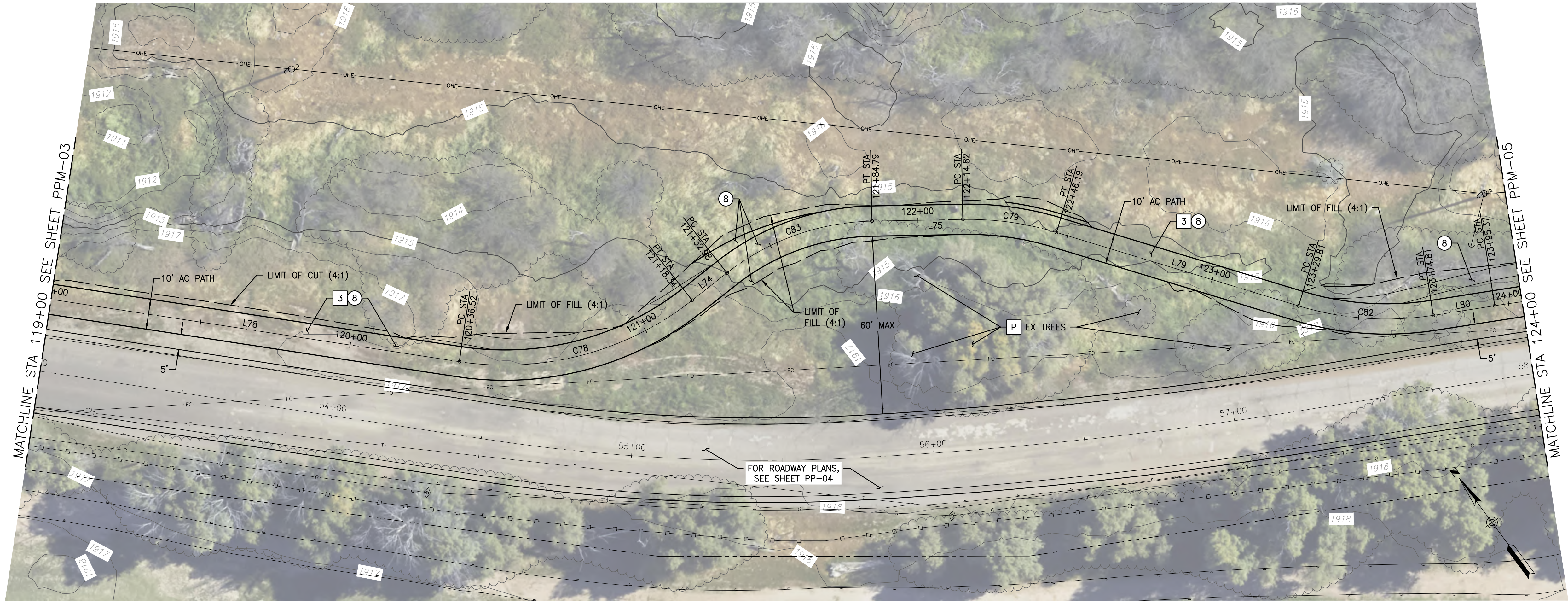
MULTIUSE PATH PLAN & PROFILE
STA 114+00 TO STA 119+00

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DRAWING NO.
PPM-03
SHEET NO. 18 OF 26

\\phdfile\p05000\7071_Quarelli_Golf_Course\Civil\PlanSets\7071-PP-Path-A.dwg — plotted by: kreckner ON 2025-01-02 @ 12:43 — c:\bres_ncs_2022.dtb — © 2024 Rick Engineering Company



REMOVAL/RELOCATE NOTES	
NO.	DESCRIPTION
①	REMOVE EXISTING AC PAVEMENT. PROTECT UNDERLYING CONCRETE IN PLACE WHERE APPLICABLE – LOCATION AS SHOWN
②	ADJUST MANHOLE TO FINISHED GRADE PER MAG STD DTL 422
③	ADJUST VALVE TO FINISHED GRADE PER MAG STD DTL 391
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CONSTRUCTION NOTES	
NO.	DESCRIPTION
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2	CONSTRUCT ASPHALT CONCRETE PAVEMENT SECTION, 3" DEPTH
3	CONSTRUCT ASPHALT CONCRETE PAVEMENT SECTION, 2" DEPTH, ON 5" RAP BASE FOR MULTIUSE PATH
4	CONSTRUCT PC CONCRETE PAVEMENT PATH, 10' WIDTH, 5" DEPTH, ON 5" RAP BASE FOR MULTIUSE PATH
5	CONSTRUCT VERTICAL CURB & GUTTER PER MAG STD DTL 220 TYPE A
6	CONSTRUCT SPEED TABLE PER CITY OF SCOTTSDALE STD DTL 2292. STRIPE HIGH-VISIBILITY LADDER CROSSWALK PER DETAIL J, SHT DT-02
7	CONSTRUCT SPEED HUMP PER MAG STD DTL 210
8	SCARIFY & RECOMPACT EXISTING AGGREGATE BASE COURSE, 4.5" AVERAGE DEPTH
9	RE-GRADE BACKSLOPE AND INSTALL GROUTED RIPRAP SLOPE PROTECTION
10	SPREAD AND COMPACT MILLINGS OR AGGREGATE BASE MATERIAL ON UNSURFACED DRIVEWAYS/ROADS TO TRANSITION FROM THE NEW ASPHALT PAVEMENT TO THE EXISTING DRIVE/ROAD SURFACE
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P	PROTECT IN PLACE
S	SAWCUT & MATCH EXISTING

GENERAL NOTES	
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QUARELLI STREET –
GOLF COURSE ROAD PROJECT

TOWN OF WINKELMAN, ARIZONA

MULTIUSE PATH PLAN & PROFILE
STA 119+00 TO STA 124+00

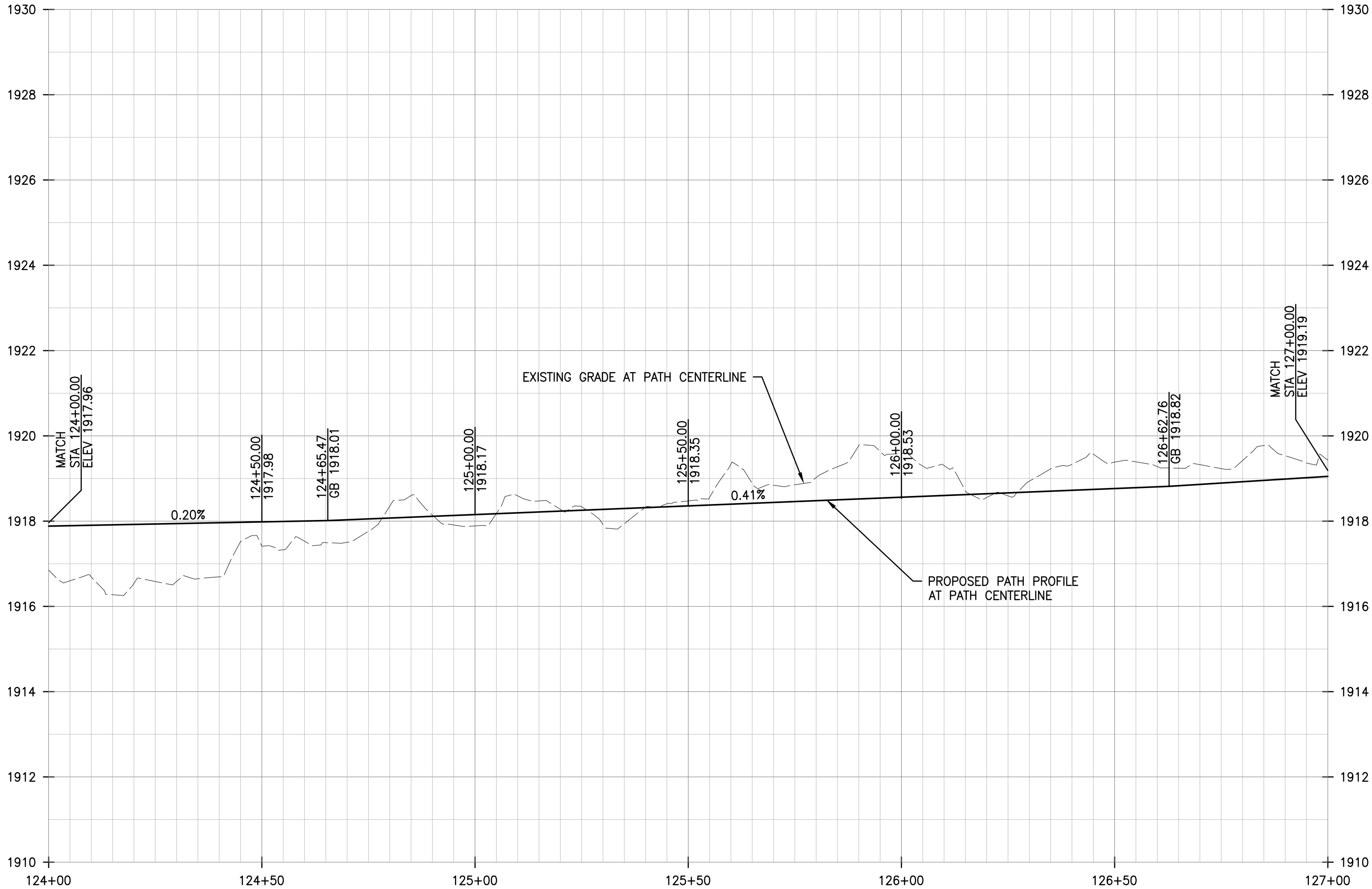
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DRAWING NO.
PPM-04
SHEET NO. 19 OF 26

PROJECT NO: 7071
DATE: 01/02/2025
DRAWN/DESIGNED BY: K. ROECKNER
CHECKED BY: D. MILLER
REVISION
NO. BY DATE

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REMOVAL/RELOCATE NOTES	
NO.	DESCRIPTION
①	REMOVE EXISTING AC PAVEMENT. PROTECT UNDERLYING CONCRETE IN PLACE WHERE APPLICABLE – LOCATION AS SHOWN
②	ADJUST MANHOLE TO FINISHED GRADE PER MAG STD DTL 422
③	ADJUST VALVE TO FINISHED GRADE PER MAG STD DTL 391
④	ADJUST METER BOX TO FINISHED GRADE
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SAN DIEGO ORANGE RIVERSIDE SACRAMENTO SAN LUIS OBISPO
SANTA CLARITA PHOENIX TUCSON LAS VEGAS DENVER

PROJECT NO: 7071
DATE: 01/02/2025

DRAWN/DESIGNED BY: K. ROECKNER
CHECKED BY: D. MILLER

QUARELLI STREET –
GOLF COURSE ROAD PROJECT

TOWN OF WINKELMAN, ARIZONA

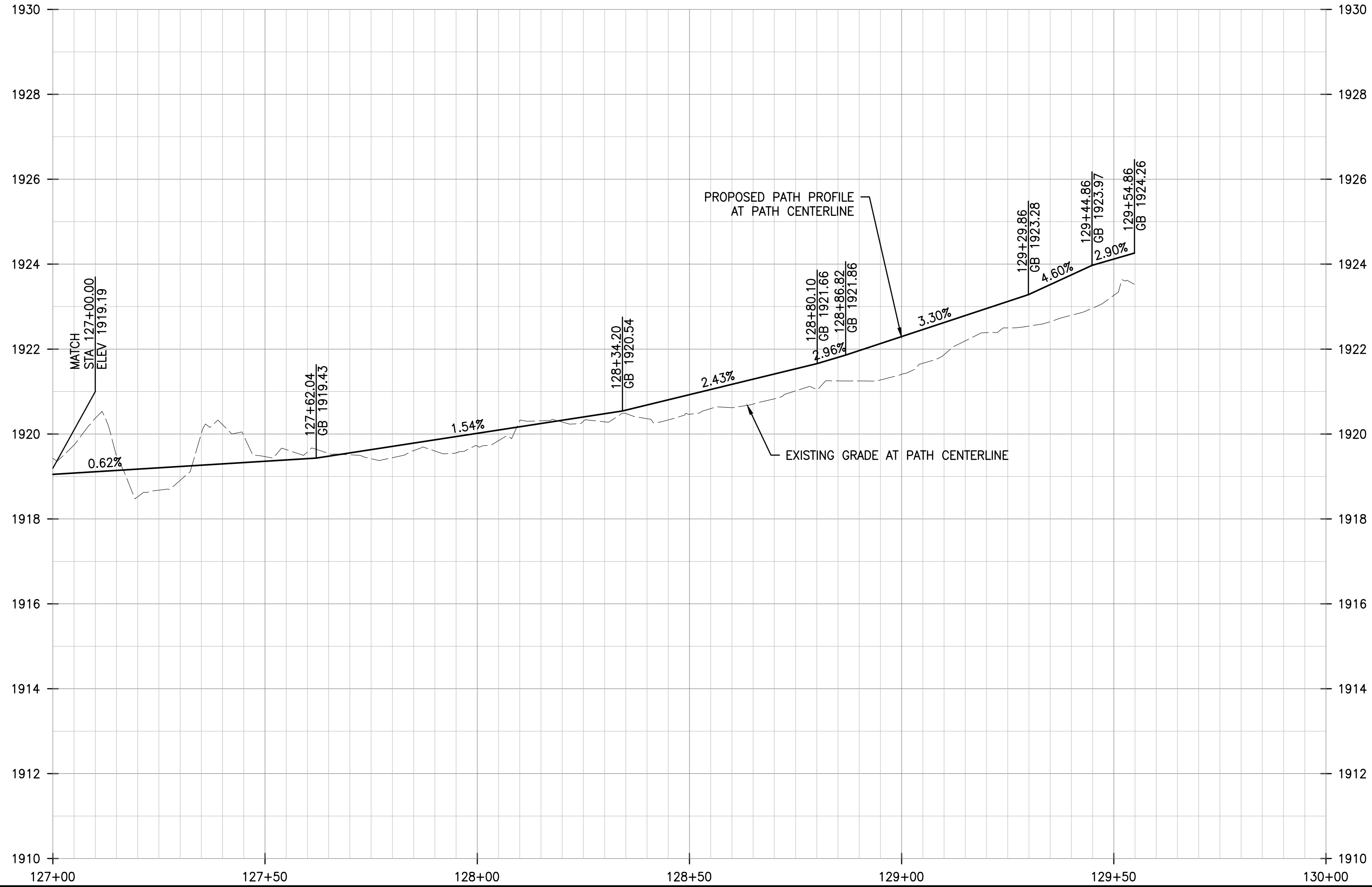
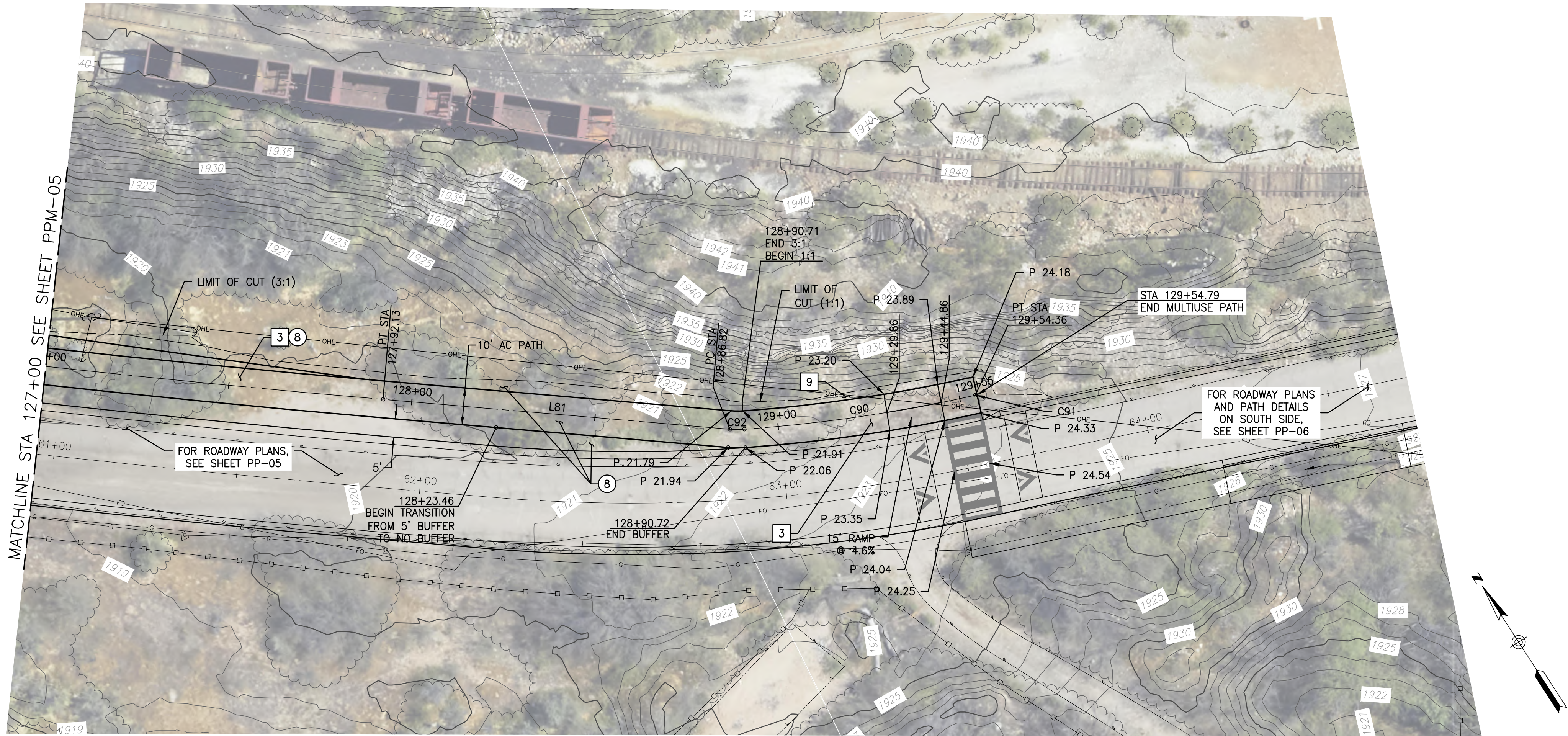
MULTIUSE PATH PLAN & PROFILE
STA 124+00 TO STA 127+00

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PPM-05
SHEET NO. 20 OF 26

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REMOVAL/RELOCATE NOTES	
NO.	DESCRIPTION
①	REMOVE EXISTING AC PAVEMENT. PROTECT UNDERLYING CONCRETE IN PLACE WHERE APPLICABLE – LOCATION AS SHOWN
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8	SCARIFY & RECOMPACT EXISTING AGGREGATE BASE COURSE, 4.5" AVERAGE DEPTH
9	RE-GRADE BACKSLOPE AND INSTALL GROUTED RIPRAP SLOPE PROTECTION
10	SPREAD AND COMPACT MILLINGS OR AGGREGATE BASE MATERIAL ON UNSURFACED DRIVEWAYS/ROADS TO TRANSITION FROM THE NEW ASPHALT PAVEMENT TO THE EXISTING DRIVE/ROAD SURFACE
11	CONSTRUCT CURB TRANSITION SECTION – LENGTH AND CURB HEIGHT PER PLAN
12	CONSTRUCT 10' L x 4' W x 5" THICK SIDEWALK CENTERED ON POWER POLE FOR ADA ACCESS.
P	PROTECT IN PLACE
S	SAWCUT & MATCH EXISTING

GENERAL NOTES	
1	FROM THE BEGINNING OF THE PROJECT TO APPROXIMATELY STA 76+30 (±25') THERE IS AN EX. PCCP SLAB BENEATH THE ASPHALT THAT IS 18' WIDE FROM STA 33+52 TO STA 39+23± AND 13' WIDE FROM STA 39+23± TO STA 76+30± (LOCATION OF WIDTH TRANSITION IS UNKNOWN)
2	THE PROFILE OF THE NEW ASPHALT PAVEMENT IS 0.23' (2.75") HIGHER THAN THE PROFILE OF THE EXISTING ASPHALT ROAD FROM STA 34+10 TO STA 74+64
3	EARTHWORK: CUT EXCAVATION & FILL EMBANKMENT ARE SHOWN ON THE PLANS AND ESTIMATED AT: TOTAL CUT: 980 CY TOTAL FILL: 900 CY * BACKFILL & GRADE TO MATCH EXISTING EDGES OF NEW PAVEMENT AND CURBS WHERE NEEDED AND AS NEEDED. * FILL MATERIAL SOURCES ARE FROM CUT AREAS AND THE EXCAVATION REQUIRED TO CONSTRUCT THE CONCRETE PATH. * EXCESS EXCAVATED SOIL MAY BE WASTED ON SITE AT LOCATIONS APPROVED BY THE TOWN INSPECTOR



SEAL:

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SAN DIEGO ORANGE RIVERSIDE SACRAMENTO SAN LUIS OBISPO
SANTA CLARITA PHOENIX TUCSON LAS VEGAS DENVER

QUARELLI STREET –
GOLF COURSE ROAD PROJECT

TOWN OF WINKELMAN, ARIZONA

MULTIUSE PATH PLAN & PROFILE
STA 127+00 TO STA 130+00

Contact Arizona 811 at least two full
working days before you begin excavation

DRAWING NO.
PPM-06

SHEET NO. 21 OF 26

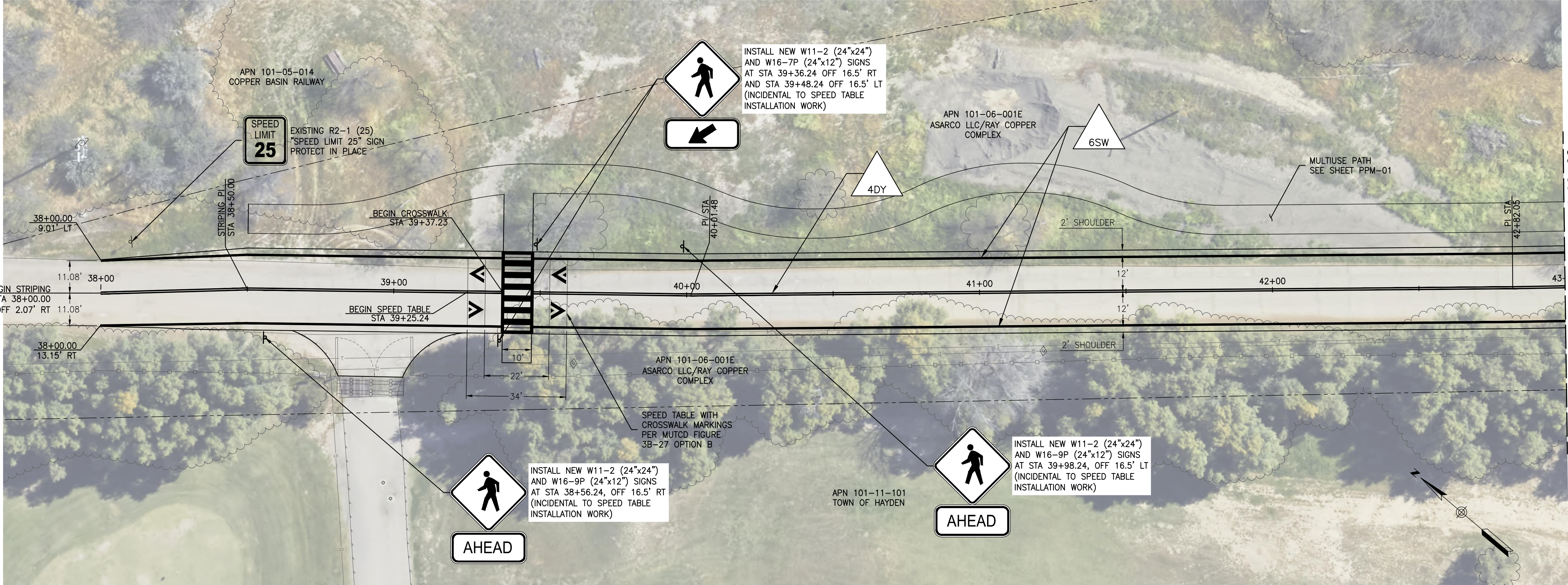
PROJECT NO:
7071

DATE:
01/02/2025

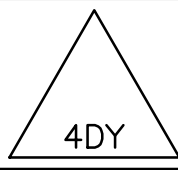
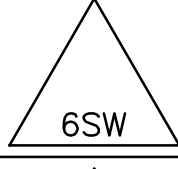
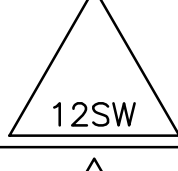
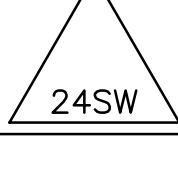
DESIGNED BY:
K. ROECKNER

CHECKED BY:
D. MILLER

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GOLF COURSE ROAD

STRIPING NOTES	
	4" DOUBLE YELLOW THERMOPLASTIC STRIPING WITH 4" SEPARATION
	6" SOLID WHITE THERMOPLASTIC STRIPE
	12" SOLID WHITE THERMOPLASTIC STRIPE
	24" SOLID WHITE THERMOPLASTIC STRIPE FOR LADDER CROSSWALK AND STOP BARS
NOTE: PEDESTRIAN CROSSING SIGNS WITH PLACARDS (4 TOTAL AT EACH SPEED TABLE CROSSWALK) ARE INCLUDED IN THE CONTRACT LINE ITEM FOR "CONSTRUCT SPEED TABLE WITH CROSSWALK AND SIGNS"	



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**RICK**

QUARELLI STREET –
GOLF COURSE ROAD PROJECT

TOWN OF WINKELMAN, ARIZONA

SIGNING & STRIPING PLAN
STA 38+00 TO STA 43+00

2401 W PEORIA AVE, SUITE 130
PHOENIX, AZ 85029

SEAL: 

PROJECT NO: 7071
DATE: 01/02/2025

DRAWN/DESIGNED BY: K. ROECKNER
CHECKED BY: D. MILLER

Contact Arizona 811 at least two full working days before you begin excavation

Call 811 or click Arizona811.com

DRAWING NO.
SS-01
SHEET NO. 22 OF 26



GOLF COURSE ROAD



NOTE: PEDESTRIAN CROSSING SIGNS WITH PLACARDS
(4 TOTAL AT EACH SPEED TABLE CROSSWALK) ARE
INCLUDED IN THE CONTRACT LINE ITEM FOR
"CONSTRUCT SPEED TABLE WITH CROSSWALK AND
SIGNS"



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PROJECT NO:	7071	DRAWN/DESIGNED BY:	K. ROECKNER
DATE:	01/02/2025	CHECKED BY:	D. MILLER

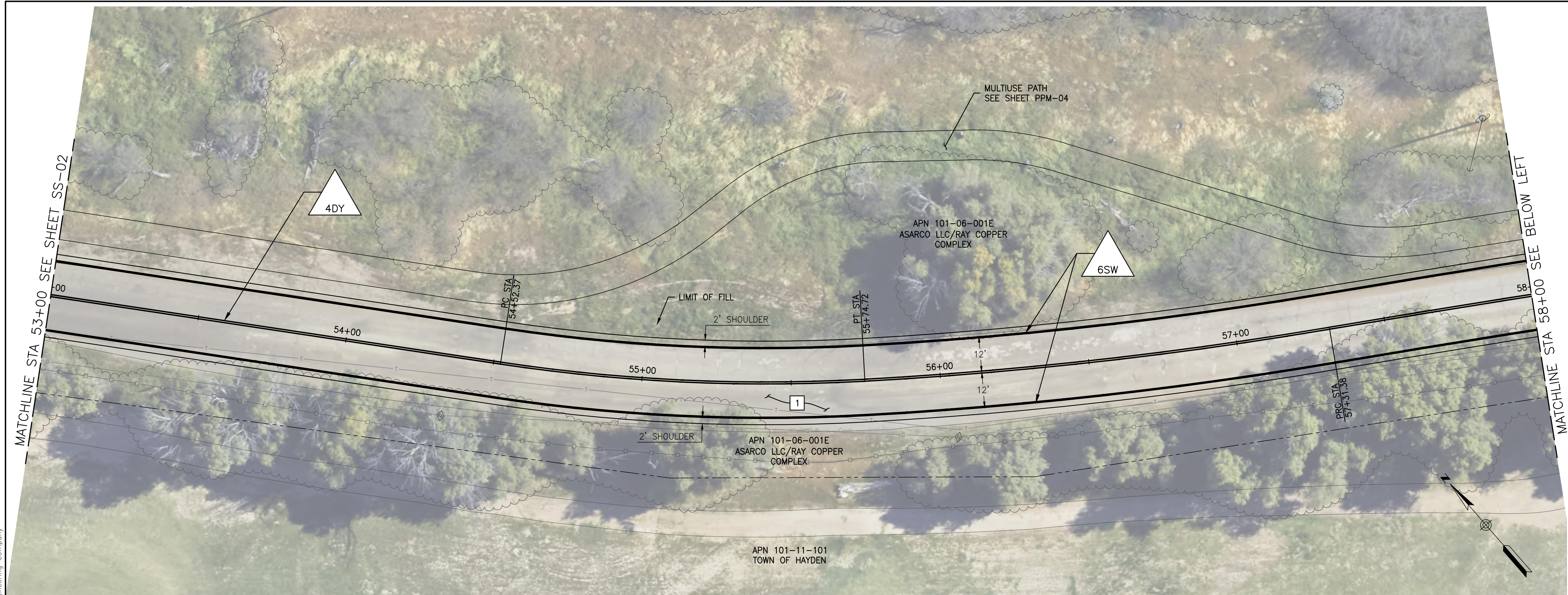
TOWN OF WINKELMAN, ARIZONA

SIGNING & STRIPING PLAN
STA 43+00 TO STA 53+00

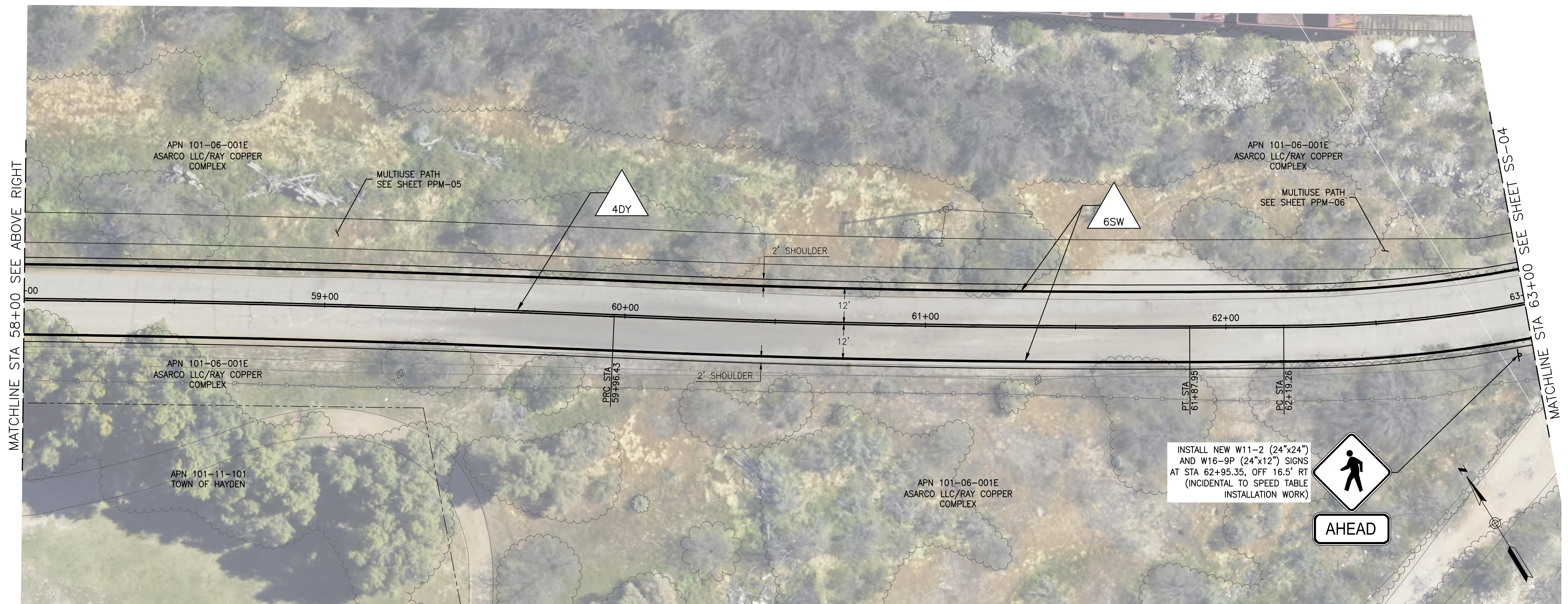


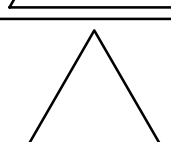
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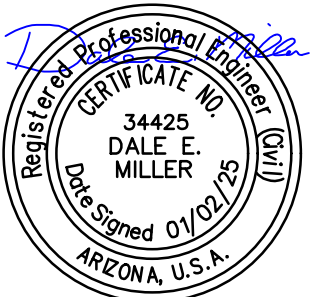


GOLF COURSE ROAD



STRIPING NOTES	
	4" DOUBLE YELLOW THERMOPLASTIC STRIPING WITH 4" SEPARATION
	6" SOLID WHITE THERMOPLASTIC STRIPE
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SANTA CLARITA PHOENIX TUCSON LAS VEGAS DENVER

PROJECT NO:	7071	DRAWN/DESIGNED BY:	K. ROECKNER
DATE:	01/02/2025	CHECKED BY:	D. MILLER

**QUARELLI STREET –
GOLF COURSE ROAD PROJECT**

TOWN OF WINKELMAN, ARIZONA

SIGNING & STRIPING PLAN
STA 53+00 TO STA 63+00

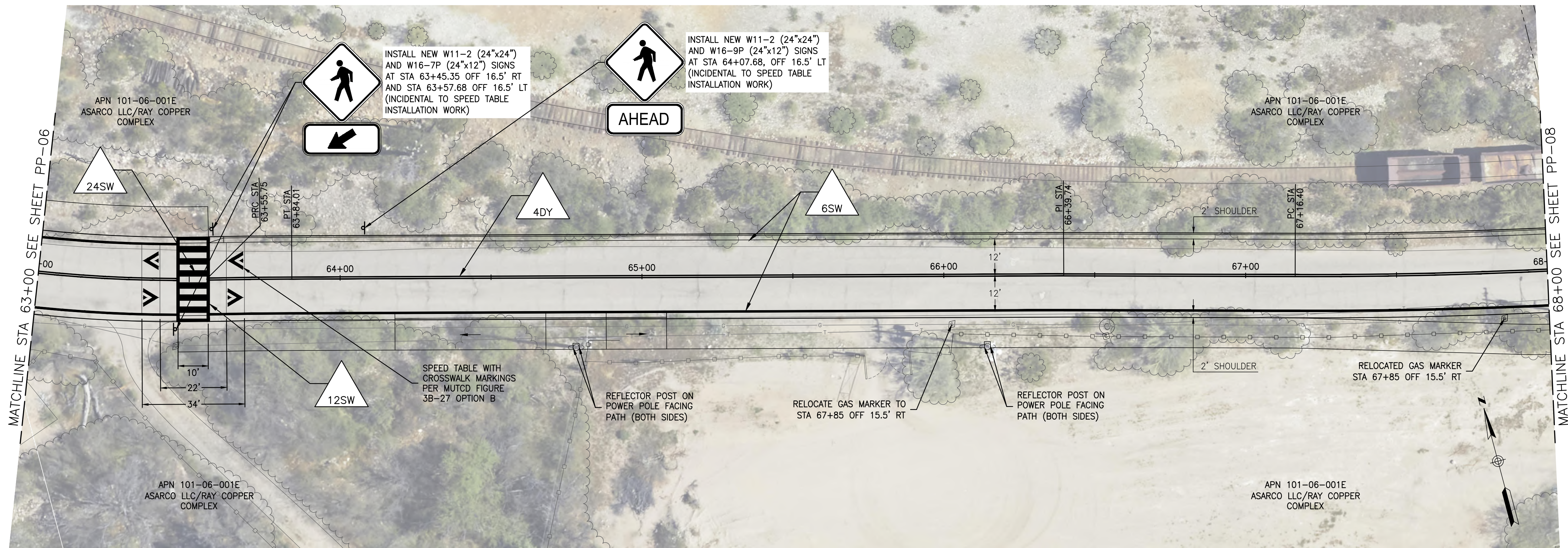


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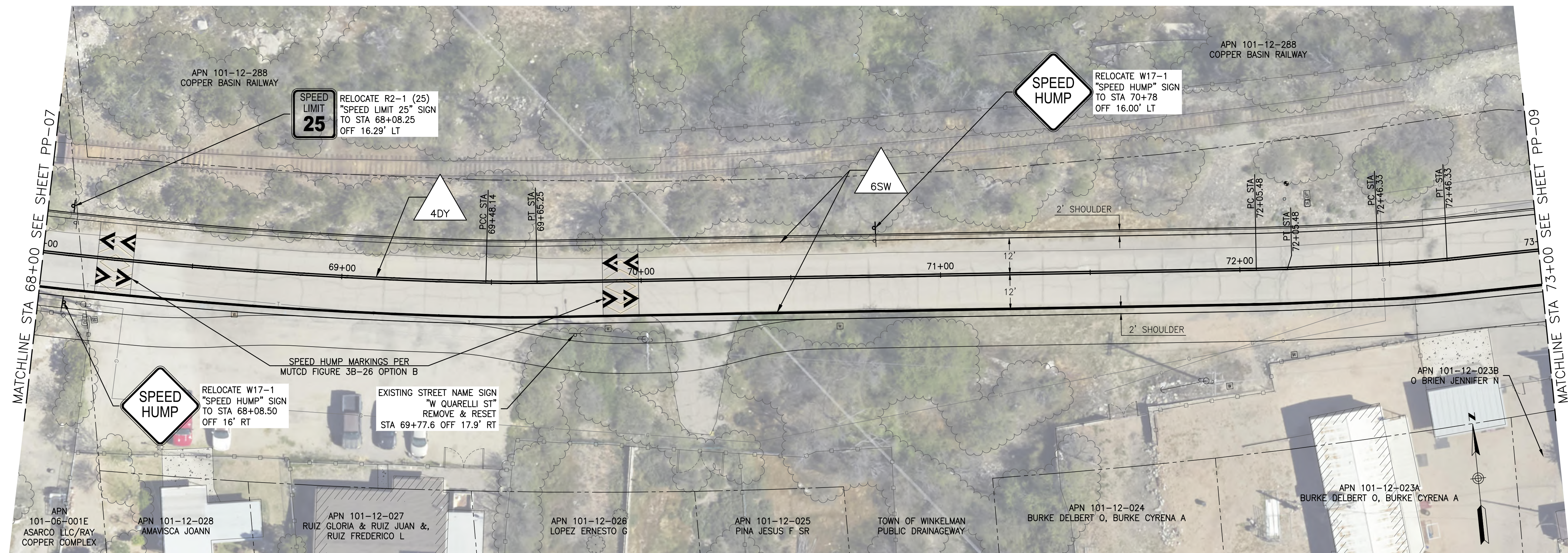
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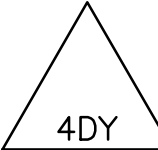
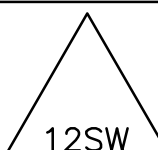




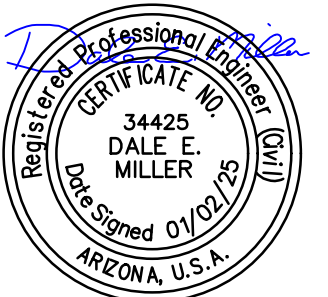
GOLF COURSE ROAD



QUARELLI STREET

STRIPING NOTES	
	4" DOUBLE YELLOW THERMOPLASTIC STRIPING WITH 4" SEPARATION
	6" SOLID WHITE THERMOPLASTIC STRIPE
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NOTE: PEDESTRIAN CROSSING SIGNS WITH PLACARDS
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DATE:	01/02/2025	CHECKED BY:	D. MILLER

**QUARELLI STREET -
GOLF COURSE ROAD PROJECT**

TOWN OF WINKELMAN, ARIZONA

SIGNING & STRIPING PLAN
STA 63+00 TO STA 73+00



DRAWING NO.

SS-04

SHEET NO. 25 OF 26



