

Pinal County Area - STP Application

Project Description Sheet		
Instructions	1. Please enter values for all cells with a green fill pattern 2. All cells are required. If the information is not applicable enter "None" or 0.	
1. Project Sponsorship	Project Sponsor Name	<input style="width: 100%;" type="text" value="Maricopa"/>
	Other Participating Agencies	This project has been previously been awarded with \$543,000 of federal funds through the Central Arizona Association of Governments. The City of Maricopa Entered an intergovernmental Agreement (IGA/JPA 12-055-I) with the Arizona Department of Transportation on December 4, 2012. The project is identified by TRACS # SS911-0IC.
2. Project Location	Identify the Project Location (50 Char Limit)	Segment of Maricopa Casa Grande Highway between intersections at Porter Road and White Parker Road.
	Attach a map depicting the project.	See Map attached
	Attach a vicinity map of the project	See Vicinity Map attached
3. Project Work Description	Provide a short work description (50 char limit)	Increase traffic carrying capacity; repair existing paved surface; improve drainage; intersection improvements
	Overview - please describe the work to be performed, its benefits and costs	Maricopa – Casa Grande Highway (highway) is a principal arterial providing east-west connectivity between the cities of Casa Grande and Maricopa. It also connects Interstate 10 (I-10) with State Route 347 and functions as an I-10 bypass. The average daily traffic volume is between just over 10,000 vehicles, operating with minimal delays. Regional growth anticipates the corridor within the project limits to carry approximately 20,800 vehicles per day in 2020, necessitating an increase in traffic carrying capacity. This section of the MCGH corridor is an old county road 24' wide that has received several layers of chip seal coating over years of use. Safety concerns include: a slick surface when wet; rutting causing passing at high speeds to be dangerous; sprawling (alligator cracking); lack of shoulder. The segment needs ultimate improvements at the intersection of White Parker to include turning bays at each leg and additions to the existing traffic signal; two additional though lanes to increase traffic carrying capacity; mill and overlay of the chip seal portion and drainage facilities. An engineers estimate was completed which projected construction costs at \$3,398,188. (\$2,462,455 Construction, \$123,123 Contingency, \$458,016 ADOT CE & PMDR, \$354594 Design).
4. Proximity to the Nearest Employment and Commercial Center	Employment Center	The City of Maricopa lacks employment base. There are four points of entry into Maricopa along two corridors facilitating traffic headed to employment bases outside of Maricopa: State Route 347 and Maricopa Casa Grande Highway. The largest commercial center within the City is in the immediate area and accessed by MCGH.
	Name of Nearest Employment Center	The Northern Borderlands on the Gila River Indian Community (4,502), the City of Casa Grande (18,457) then the Price Corridor in the City Chandler (30,985).
	Approximate Number of Employees at the center	4,502
	Distance to the project	<input style="width: 100%;" type="text" value="≥ 4 miles"/>
	Commercial Center	Walmart, Banner health, Central Arizona College, Legacy School, City of Maricopa, McDonalds, Our Lady of Grace and the Ethanol Plant within a 2 mile radius of the project area.
	Name of Nearest Commercial Center	The Wells Subdivision- Currently 277,015 SF of Buildings; Build Out 585,701 SF of Buildings
	Approximate Square Footage of the Commercial Center	585,701
	Distance to the project	<input style="width: 100%;" type="text" value=" < 1 mile"/>
5. Regional Connectivity	Connectivity	<input checked="" type="checkbox"/> The project improves regional/multijurisdictional connectivity
	If the check box above is checked, briefly discuss how the project improves regional/multijurisdictional connectivity.	Maricopa – Casa Grande Highway (highway) is a principal arterial providing east-west connectivity between the cities of Casa Grande and Maricopa. It also connects Interstate 10 (I-10) with State Route 347 and functions as an I-10 bypass. The average daily traffic volume is between just over 10,000 vehicles, operating with minimal delays. Regional growth anticipates the corridor within the project limits to carry approximately 20,800 vehicles per day in 2020, necessitating an increase in traffic carrying capacity
6. Agency Plans	Included in Agency Plans	<input checked="" type="checkbox"/> The project is identified in the jurisdiction General/Transportation Plan
	If the check box above is checked, briefly discuss jurisdiction General/Transportation Pan and the role of the project in the plan.	The widening of Maricopa Casa Grande Highway between Porter Road and White Parker Road is referenced in the following documents: 1. Maricopa Regional Transportation Plan Update 2008 2. Maricopa-Casa Grande Highway Project Assessment 3. City of Maricopa General Plan 4. City of Maricopa 2007 Small Area Transportation Study 5. Regionally Significance Routes for Safety and Mobility. The MCGH corridor runs though Pinal County, Maricopa and Casa Grande. The City of Maricopa has recently joined the Maricopa Association of Governments to leverage experience, resources, and increased funding opportunities however Council initiatives to include continued support of regional stakeholders. As a result Maricopa, still a member of the Central Arizona Association of Governments, actively pursues partnerships and coordination with The Sun Corridor and neighboring communities.
7. Community Involvement	Is the project a community request	<input type="checkbox"/> The project been requested through a neighborhood or community meeting or by council/board/commission outside of the budget process
	If the check box above is checked, briefly describe the nature of the community request.	None

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Roadway Segment Sheet

Instructions	<p>1. This sheet is required for all roadway segment and bridge projects. Please omit if the project is exclusively an intersection project.</p> <p>2. Items for #4 and #14 may be omitted for non bridge projects, all other green colored cells are required</p> <p>3. A Excel work sheet for each distinct roadway section or segment is required. To add a new worksheet to this Excel workbook file, do the following:</p> <ul style="list-style-type: none"> > Right Click on the Roadway tab at the bottom of the screen > Select the "Move or Copy" option > Select the "Roadway" sheet > Check the "Create Copy" box > Click the "Okay" button 	
1. Roadway Location	Roadway Name	Maricopa Casa Grande Highway
	Starting Limit	The western limit starts at the point of curvature just east of the Porter Road intersection. The Porter Maricopa Casa Grande Highway Intersection is ultimately improved.
	Ending Limit	The eastern limit terminates a taper 2000' east of the intersection at Maricopa Casa Grande Highway and White Parker Road.
	Length (to nearest 10th of a mile)	1.60
Current Roadway Characteristics		
2. Federal Functional Classification	Please select the federal functional classification of the roadway	Minor Arterial ▼
	Link to Functional Classification Maps	
3. Current Typical Cross Section	Attach a cross section diagram that details a typical cross section of the roadway to be improved.	(Attach cross section diagram that depicts the lane configuration, shoulders, the median, bicycle lanes, sidewalks, access control features such as barriers and adjoining features such as canals. Widths of features should be included and type of paving should be indicated)
	Attach a photo(s) of the current roadway	(Attach phot(s) of the roadway)
	Number of Through Lanes (Both directions)	1
4. Bridge Condition (Required only for bridge projects)	Bridge Sufficiency Rating (from ADOT NBI Table)	0
	Bridge Status (from ADOT NBI Table)	<input type="checkbox"/> Is Structurally <input type="checkbox"/> Is Functionally
	Link to ADOT NBI Table	
5. Pavement Condition	Pavement Type	Double Chip Seal ▼
	Pavement Rating	Estimated at 50
	Name or Description of Rating System Used - e.g. PCI, PSR, etc..	Pavement Condition Index (PCI)
	Rating system scale - please describe the scale used in the rating system - e.g. it ranges from 1 to 100 with 100 being the best condition.	Scale = 1 to 100
	Date of Rating	3/15/2014
	Rating	50 This is an estimate. Please see attached pictures.
6. Traffic	Traffic Count	The City of Maricopa contracts a data collection service every other year to perform traffic counts.
	Please describe how the count was collected	

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Roadway Segment Sheet		
	Date of Count	3/7/2013
	AADT	10046
	K-Factor - Percent of traffic in the peak hour	12.5%
	D-Factor - Percent of design hour volume flowing in the peak hour direction	0.625%
	Number of lanes in the Peak Hour Direction	1
	Posted Speed Limit (mph)	50
	Peak Hour Speed (mph)	40
7. Safety	Number of crashes in last 3 years by crash type.	
	Number of fatality crashes	1
	Number of incapacitating crashes	0
	Number of non incapacitating crashes	1
	Number of possible injury crashes	1
	Number of property damage only crashes	6
8. Multimodal	Multimodal characteristics (check all that apply)	<input type="checkbox"/> Roadway has transit route
		<input type="checkbox"/> Has striped bicycle lanes
Proposed Roadway Characteristics and Improvements		
9. Proposed Functional Classification	Please select the federal functional classification of the roadway	Minor Arterial ▼
	Link to Functional Classification Maps	
10. Proposed Typical Cross Section	Attach a cross section diagram that details a typical cross section of the roadway to be improved.	(Attach cross section diagram that depicts the lane configuration, shoulders, the median, bicycle lanes, sidewalks, access control features such as barriers and adjoining features such as canals. Widths of features should be included and type of paving should be indicated)
	Number of Through Lanes on the improved roadway (Both directions)	2
11. Access Control Improvements	Please describe access control issues and proposed improvements	This roadway segment is bounded by the Union Pacific Railroad Right of Way to the South and there are no accesses outside of the intersections at Porter Road and White Parker Road.
12. Alignment Improvements	Describe horizontal alignment issues and proposed improvements	Horizontal alignment of existing roadways will be utilized and scabbed on for widening pavement section to desired width.
	Describe vertical alignment and proposed improvements	Vertical alignment of existing roadways will be utilized and existing cross slopes will be extended for drainage.

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Roadway Segment Sheet

13. Drainage Improvements	Describe drainage issues and proposed improvements	Channel improvements adjacent to and north of MCGH are proposed to connect existing channel improvements at the west limit. Channel improvements include culverts and underground storm pipe under White Parker road and Farrel Road.
14. Bridge improvements (Required for bridge projects only)	Describe Bridge issues and proposed Improvements	There are no bridges in the project area.
15. Pavement Improvements	Proposed Pavement Type	Asphaltic Concrete
	Describe the current condition of the pavement and proposed improvements	Current condition of pavement includes rutting, alligator cracking, deteriorating shoulders and poor rideability. Scope of work for proposed improvements include milling up 1" existing chip seal, install one lift of 3" inch pavement overlay with reinforced asphalt concrete, and widen with 2' shoulder. Add 6.5" new pavement section 26' in width.
16. Traffic Improvements	Describe traffic issues and proposed Improvements	Additional lane capacity will be provided with this project.
17. Safety Improvements	Describe safety issues and proposed Improvements	This project will enhance safety for motorists by providing additional lane widths, turning bays, traffic signal and drainage improvements.
18. Multimodal Improvements	Describe multimodal issues and proposed Improvements	There are no existing or proposed multi modal improvements as part of this project.
Environmental, Right-of-way and Other Considerations		
19. Environmental	Please describe environmental impacts or challenges of the project - e.g. endanger species, cultural assets, hazardous materials sites, 4Fs, Title VI populations, wet lands that would be affected by the project.	A Preliminary Initial Site Assessment (PISA) was performed noted no Hazardous waste in the project area. A Class III cultural Resource Survey was performed and no buried cultural resources have been documented. Arizona State Department of Game and Fish noted Western Burrowing Owls and Tucson Shovel Nosed Snake within one mile of the project area. The project was stalled two years ago due to lack of funding and has dated environmental clearances. Correspondence with the planning department for the AK Chin reservation states, The AK Chin Tribe is the lead tribe should any cultural resources be uncovered during project execution. No environmental concerns preventing project execution are anticipated at this time.
20. Right-of-way	Please describe right-of-way issues - e.g. whether right-of-way will be required, how much right-of-way will be required, if right-of-way is needed are actors such as the State Lands Department be involved, etc.	Proposed project has 150 feet of existing Right-of-Way (ROW) and no new ROW will be needed for the project.
21. Development Activity	Please describe planned and ongoing development activity that could impact the proposed project	The properties just North of the project area have two owners El Dorado Holdings who has two master planned communities in the PAD and Final Plat stages of entitlement: Eagle Shadow is in the Final Plat stages and primarily a housing development; San Travesa is in the Planned Area Development stage and zoned mixed use. These planned developments are divided by White Parker road and primarily in the flood plain. They projects can not move forward without large investment to the channelization of the Santa Cruz Wash which will improve drainage the project area. These projects are not anticipated in the near future but would be expected to pay for further improvements to the project area. These improvements would likely include additional capacity, multimodal improvements and more drainage improvements.
22. Utilities	Please describe utilities that could impact the proposed project	Overhead power lines have been identified and have to be relocated utility providers for this project.

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Traffic Intersection Sheet

1. Intersection Location	Roadway Name A	Maricopa Casa Grande Highway
	Roadway Name B	White Parker
Current Intersection Characteristics		
2. Federal Functional Classification	Federal Functional Classification of Roadway A	Minor Arterial <input type="button" value="▼"/>
	Federal Functional Classification of Roadway B	Major Collector <input type="button" value="▼"/>
	Link to Functional Classification Maps	
4. Current Intersection Configuration	Attach an intersection diagram	(Attach an intersection diagram that details all lanes (through, left and center lanes) and associated widths)
	Attach a photo(s) of the current intersection	(Attach photo(s) of the intersection)
	Number of through lanes	
	Roadway A	2
	Roadway B	2
5. Pavement Condition	Pavement Type	Asphaltic Concrete <input type="button" value="▼"/>
	Pavement Rating	
	Name or Description of Rating System Used - e.g. PCI, PSR, etc..	PCI
	Rating system scale - please describe the scale used in the rating system - e.g. it ranges from 1 to 100 with 100 being the best condition.	Scale = 1 to 100
	Date of Rating	12/15/2014
	Rating	75, this is an estimate
	6. Traffic	Traffic Volume in the Peak Hour by approach
Approach 1 traffic volume		103
Approach 2 traffic volume		287
Approach 3 traffic volume		142
Approach 4 traffic volume		340

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Traffic Intersection Sheet

7. Safety	Number of crashes in last 3 years by crash type.	
	Number of fatality crashes	1
	Number of incapacitating crashes	0
	Number of non incapacitating crashes	1
	Number of possible injury crashes	1
	Number of property damage only crashes	6
8. Multimodal	Multimodal characteristics (check all that apply)	<input type="checkbox"/> Roadway has transit route <input type="checkbox"/> Has striped bicycle lanes
Proposed Intersection Characteristics and Improvements		
9. Federal Functional Classification	Federal Functional Classification of Roadway A	Minor Arterial ▼
	Federal Functional Classification of Roadway B	Major Collector ▼
	Link to Functional Classification Maps	
10. Proposed Typical Cross Section	Attach a cross section diagram that details a typical cross section of the roadway to be improved.	(Attach an intersection diagram that details all lanes (through, left and center lanes) and associated widths)
11. Access Control Improvements	Please describe access control issues and proposed improvements	1
12. Pavement Improvements	Proposed Pavement Type	Asphaltic Concrete ▼
	Describe pavement issues and proposed Improvements	Lane widening with new asphalt and overlay will be 91 feet in width for West leg and 62' for the East leg. Existing pavement widths will be milled and overlaid to extend the life of the pavement project.
13. Traffic Improvements	Traffic Congestion	<input checked="" type="checkbox"/> Proposed improvements improve traffic throughput in the intersection
	Describe traffic issues and proposed Improvements	The intersection is scewed 37 degrees from perpendicular. When raffic moving in a north west path slows to make a left movement at the intersection lagging traffic has no where to go and must decelerate. Vehicles typically making this left movement are semi's heading the Ethynol Plant or cow farm. The trucks have a difficult movement to make at the scewed intersection and wait for southeast bound cars to clear or for the protected left signal.
14. Safety Improvements	Safety Impacts	<input checked="" type="checkbox"/> Proposed improvements address safety issues at a current intersection
	Describe safety issues and proposed Improvements	Turning lanes and additional though lanes will give vehicles allow cars alternatives to decelerating behind the large trucks.
15. Multimodal Improvements	Describe multimodal issues and proposed Improvements	There are no existing or planned multimodal improvements.

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Traffic Intersection Sheet

Proposed Intersection Characteristics and Improvements

16. Environmental	Please describe environmental impacts or challenges of the project - e.g. endanger species, cultural assets, hazardous materials sites that would be affected by the project.	A Preliminary Initial Site Assessment (PISA) was performed noted no Hazardous waste in the project area. A Class III cultural Resource Survey was performed and no buried cultural resources have been documented. Arizona State Department of Game and Fish noted Western Burrowing Owls and Tucson Shovel Nosed Snake within one mile of the project area. The project was stalled two years ago due to lack of funding and has dated environmental clearances. Correspondence with the planning department for the AK Chin reservation states, The AK Chin Tribe is the lead tribe should any cultural resources be uncovered during project execution. No environmental concerns preventing project execution are anticipated at this time.
17. Right-of-way	Please describe right-of-way issues - e.g. whether right-of-way will be required, actors such as the State Lands Department will be involved, etc.	150 feet of Right-of-Way currently exists along both roadways.
18. Development Activity	Please describe planned and ongoing development activity that could impact the proposed project	The properties just North of the project area have two owners El Dorado Holdings who has two master planned communities in the PAD and Final Plat stages of entitlement: Eagle Shadow is in the Final Plat stages and primarily a housing development; San Travesa is in the Planned Area Development stage and zoned mixed use. These planned developments are divided by White Parker road and primarily in the flood plain. They projects can not move forward without large investment to the channelization of the Santa Cruz Wash which will improve drainage the project area. These projects are not anticipated in the near future but would be expected to pay for further improvements to the project area. These improvements would likely include additional capacity, multimodal improvements and more drainage improvements.
19. Utilities	Please describe utilities that could impact the proposed project	No costs are anticipated for utility relocations.

Maricopa Casa Grande Hwy SR 238 (26'x6336' New, 26'x6336' Overlay)

Preliminary Engineering Estimate for STP Application March 30, 2015 (1.6 mi Total)
ADOT TRACS No. SS911-01C

ITEM NO.	ITEM DESCRIPTION	UNIT	QTY	Estimate UNIT PRICE	Ext PRICE
1	AZPDES (NPDES) Construction Permit Requirements (Allowance)	LS	1	\$15,000.00	15,000
2	Tree Removal	EA	26	\$500.00	13,000
3	Geotextile Fabric	SY	21,389	\$5.00	106,945
4	Fill Construction	CY	10,156	\$6.00	60,936
5	Channel Excavation	CY	25,583	\$6.00	153,498
6	Plain Rip Rap with Filter Fabric D-50=150MM (0.5')	CY	32	\$150.00	4,800
7	Subgrade Preparation	SY	34,572	\$2.00	69,144
8	Aggregate Base Course	Ton	10,889	\$30.00	326,670
9	Asphalt Concrete Pavement (Superpave 19MM Mix)	Ton	6,212	\$70.00	434,840
10	Asphalt Concrete Pavement (Superpave 25MM Mix)	Ton	7,676	\$70.00	537,320
11	Bituminous Tack Coat SS 1H, Diluted	Ton	19	\$600.00	11,220
12	Roll Curb and Gutter, MAG Det. 220, Type D	LF	317	\$20.00	6,340
13	Remove Existing Asphalt	SY	9,699	\$10.00	96,990
14	Remove Existing Concrete Curb and Gutter	LF	137	\$6.00	822
15	Remove and Salvage Traffic Sign	EA	25	\$50.00	1,250
16	Miscellaneous Removals and Other Work	LS	1	\$45,000.00	45,000
17	Maintenance of Traffic	LS	1	\$100,000.00	100,000
18	Survey Marker, MAG Det. 120-1, Type A	EA	3	\$300.00	900
19	Guardrail, MCDOT STD. 3001, G4 (2W) System	EA	1,800	\$20.00	36,000
20	Guardrail, Terminal (ET - 2000 PLUS, 37.5')	EA	1	\$2,750.00	2,750
21	Native Hydroseeding	Acre	11.00	\$4,000.00	44,000
22	4" White Traffic Paint Stripe	LF	41,270	\$0.65	26,826
23	4" Yellow Traffic Paint Stripe	LF	56,013	\$0.65	36,408
24	Paint Symbol (Yield Triangles)	EA	9	\$35.00	315
25	Paint Symbol (Straight Arrow)	EA	3	\$100.00	300
26	Paint Symbol (Left Turn Arrow)	EA	6	\$150.00	900
27	Paint Symbol (Right Turn Arrow)	EA	2	\$150.00	300
28	Paint Symbol ('Only')	EA	4	\$150.00	600
29	Paint Symbol (RR Crossing)	EA	1	\$300.00	300
30	4" White Thermoplastic Traffic Stripe	LF	1,383	\$1.00	1,383
31	4" White Thermoplastic Traffic Stripe	EA	677	\$8.00	5,416
32	Reflectorized Raised Pavement Marker (Type G, Clear, 1-way)	EA	356	\$8.00	2,848
33	Perforated Sign Posts, 2" X 2"	LF	516	\$11.00	5,676
34	Perforated Sign Post Foundation	EA	40	\$210.00	8,400
35	Flat Sheet Aluminum Sign Panel, Diamond Grade	SF	470	\$20.00	9,400
36	Remove and Salvage Traffic Equipment	LS	1	\$2,500.00	2,500
37	Sch 40 PVC Electrical Conduit, 3" W/ 1/4" Nylon Pull Rope and #8 Bare Copper Wire	LF	148	\$30.00	4,440
38	Signal Mast Arm, 30'	EA	1	\$800.00	800
39	Signal Mast Arm, 35'	EA	1	\$1,000.00	1,000
40	Signal Controller Programming	LS	1	\$3,000.00	3,000
41	12" Signal Indication, Type 'F' Signal Face, Side Mount	Ea	1	\$1,000.00	1,000
42	12" Signal Indication, Type 'F' Signal Face, Plumbizer Mount	Ea	3	\$900.00	2,700
43	12" Signal Indication, Type 'G' Signal Face, Side Mount	Ea	2	\$1,200.00	2,400
44	12" Signal Indication, Type 'G' Signal Face, Plumbizer Mount	Ea	4	\$1,100.00	4,400
45	Electrical Conductors	LS	1	\$1,000.00	1,000
46	Structural Concrete (Class S, F'C = 30 MPA)	CY	124	\$350.00	43,400
47	Reinforcing Steel	LB	17,366	\$0.80	13,893
48	Headwall, MAG DET. 501-1 & 2, 'U' TYPE, for 750 MM (30") PIPE	EA	2	\$3,000.00	6,000
49	Headwall, MAG DET. 501-1 & 2, 'U' TYPE, for 2-900 MM (36") PIPE	EA	2	\$4,000.00	8,000
50	Headwall, MAG DET. 501-1 & 2, 'U' TYPE, for 3-900 MM (36") PIPE	EA	5	\$5,000.00	25,000
51	End Section for 900 MM (12") CMP	EA	2	\$300.00	600
52	Concrete Pipe Collar for 900 MM (36") PIPE, MAG DET. 505	EA	12	\$900.00	10,800
53	300 MM (12") CMP, Bituminous Coated	LF	160	\$65.00	10,400
54	750 MM (30") CMP, Bituminous Coated	LF	92	\$75.00	6,900
55	900 MM (36") CMP, Bituminous Coated	LF	1,555	\$95.00	147,725
Subtotal Items 1 thru 59					2,462,455
Construction Contingencies Allowance (5% of Items 1 thru 56)					123,123
ADOT CE (15%)					369,368
				Const SubTotal	2,954,946
Engineering Design & Environmental by Consultant (12% Const)					354,594
ADOT PMDR (3% Const)					88,648
Total Project Design Costs					443,242
Total Estimated Construction & Design Cost for Project					3,398,188
Estimated City Costs for Project					
City Match for Design (5.7%)					25,265
Estimated Right-of-Way (ROW) Costs					0
City Match for Construction (5.7%)					168,432
100% Construction Costs over FHWA Cap					661,491
Total Estimated City Cost for Project					855,188

* Note: ROW costs, and Costs over FHWA Cap are not included in Total Estimated Construction & Design Costs for Project because they are costs that are not eligible for federal funding.

Pinal County Area - STP Application

Budget and Signature

Instructions

1. This sheet is required for all projects
2. All work phases regardless of funding source must be included in the proposed programming.
3. The signature part of this page must be signed with the printed application sent to MAG

1. Project Budget	Preliminary Engineering and Final Design	354,594	This project design began in 2007. Construction plans are completed up to 95%. However, the environmental, ROW, and utility clearances have not been completed.
	Right of way	-	
	Construction	2,954,946	Construction Cost is based on an engineer's estimate as part of a 95% plan submittal.
	Total Cost w/o ADOT Review Fee	3,309,540	
	ADOT Review Fee	88,648	Assumes the ADOT design fee is 3 percent of construction cost or \$30,000, whichever is the higher amount.
	Total Cost	3,398,188	

2. Agency CIP

Please describe the agency programming in its CIP

Funding for this project is identified in City of Maricopa 5-Year Capital Improvement Plan for fiscal year(s) 2016 and 2017.

3. Proposed Programming

Work Phase	Year to be Programmed/1	Funding Source	Federal Amount/2	Local Amount	Total	Share/3
PE/Design	2016	STP-MAG	512,000	31,000	543,000	5.7%
Construction	2017	STP-MAG	31,000	1,875	32,875	5.7%
Construction	2017	STP-MAG	2,000,000	822,313	2,822,313	29.1%
None	None	None	-	-		
None	None	None	-	-		
Total			2,543,000.00	855,188.00	3,398,188.00	

Notes:

1. Federal funds are available only for 2016, 2017, 2018 and 2019.

2. Approx. \$5.7 million is available over the period.

3. The minimum local share is 5.7%

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Signature: To be signed with printed hard copy that is sent to MAG

As the jurisdiction's manager/administrator or designated representative, I certify that the information contained in this application is accurate and complete and that the local funds for this project will be included in the sponsoring MAG member agency's local current CIP/TIP or budget document if the project is selected for federal funding.

Signature:	
Name:	WILLIAM FAY
Title:	PUBLIC WORKS DIRECTOR / CITY ENGINEER
Date:	3-31-15



Google earth









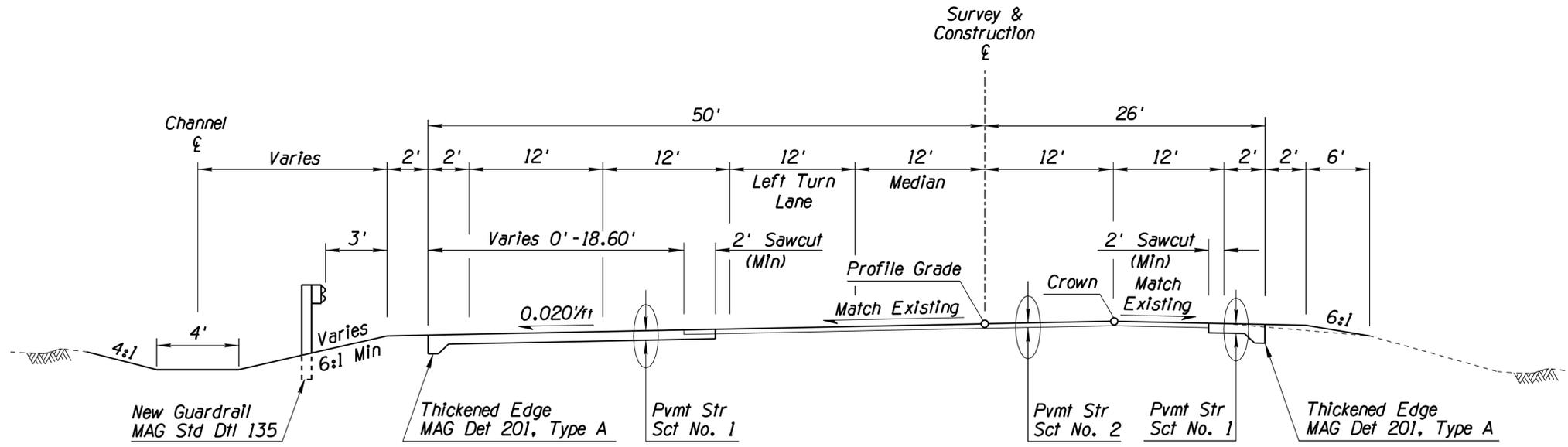






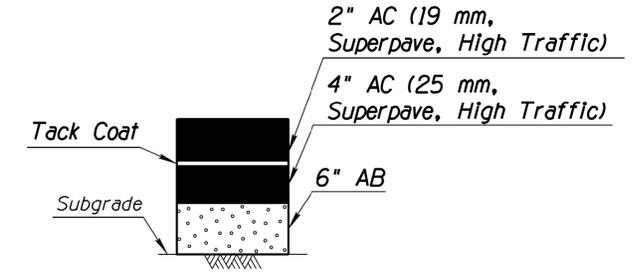


SURVEY NO. FINISHED PLANS- REVISIONS- LOCATION- DATE- FINISHED PLANS- SURVEY NO. DATE- REVISIONS- LOCATION- DATE-



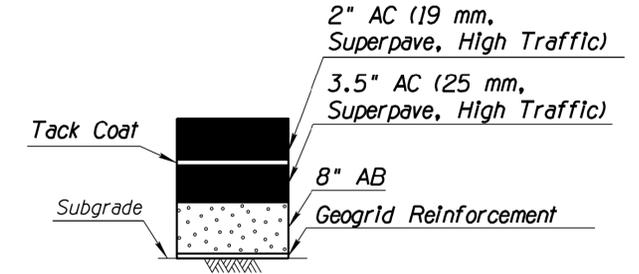
**MARICOPA-CASA GRANDE HWY
TYPICAL SECTION**

Sta 12+50.00 to 17+30.00



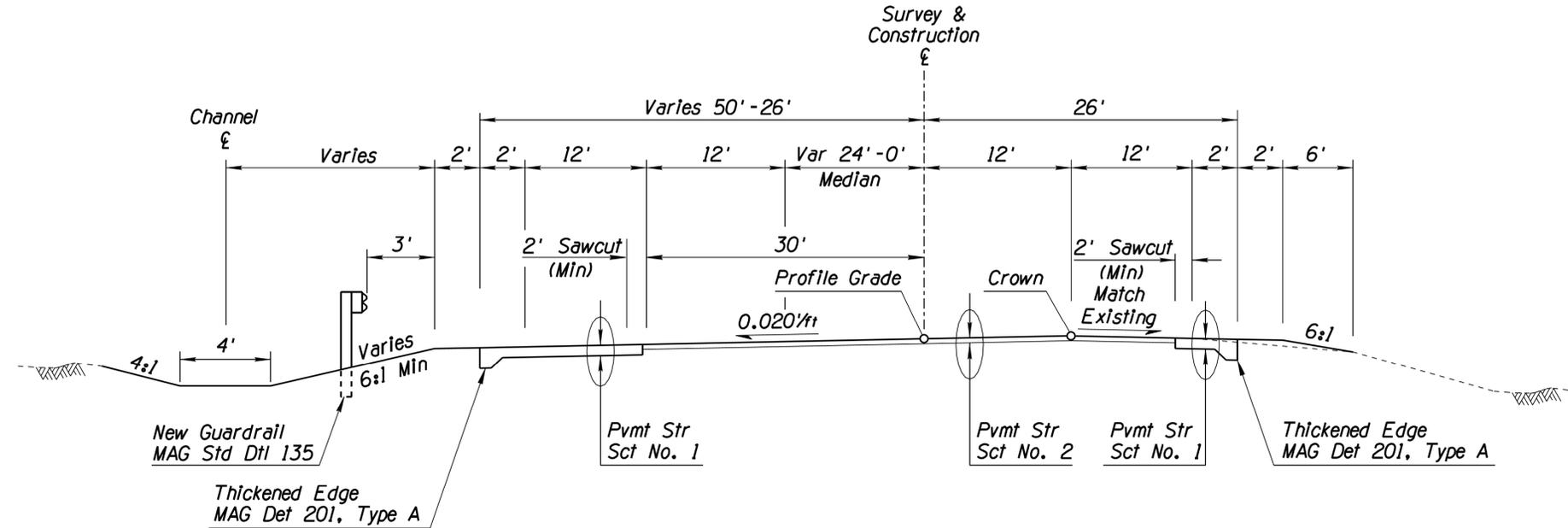
Total Thickness = 12"

**SECTION NO. 1
(OPTION A)**



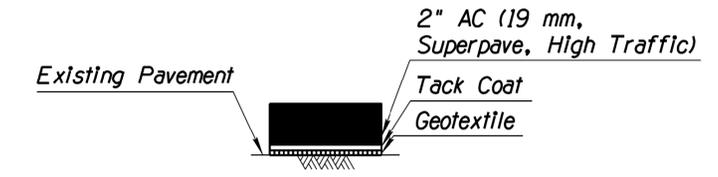
Total Thickness = 13.5"

**SECTION NO. 1
(OPTION B)**



**MARICOPA-CASA GRANDE HWY
TYPICAL SECTION**

Sta 17+30.00 to 29+30.00



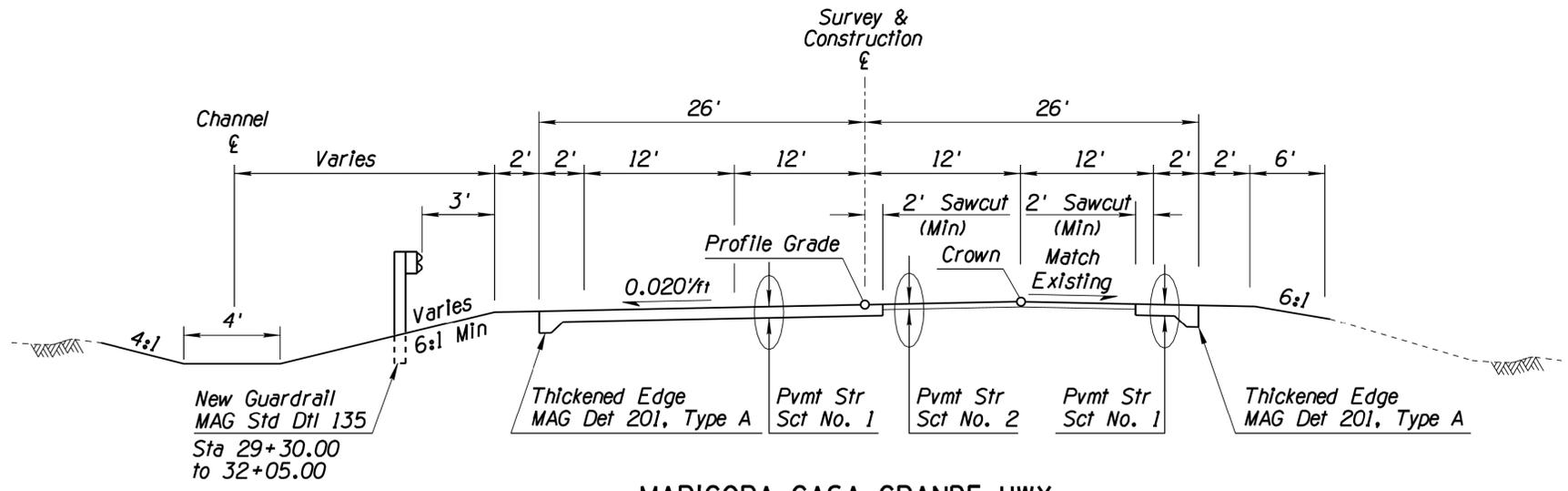
Total Thickness = 2"

SECTION NO. 2

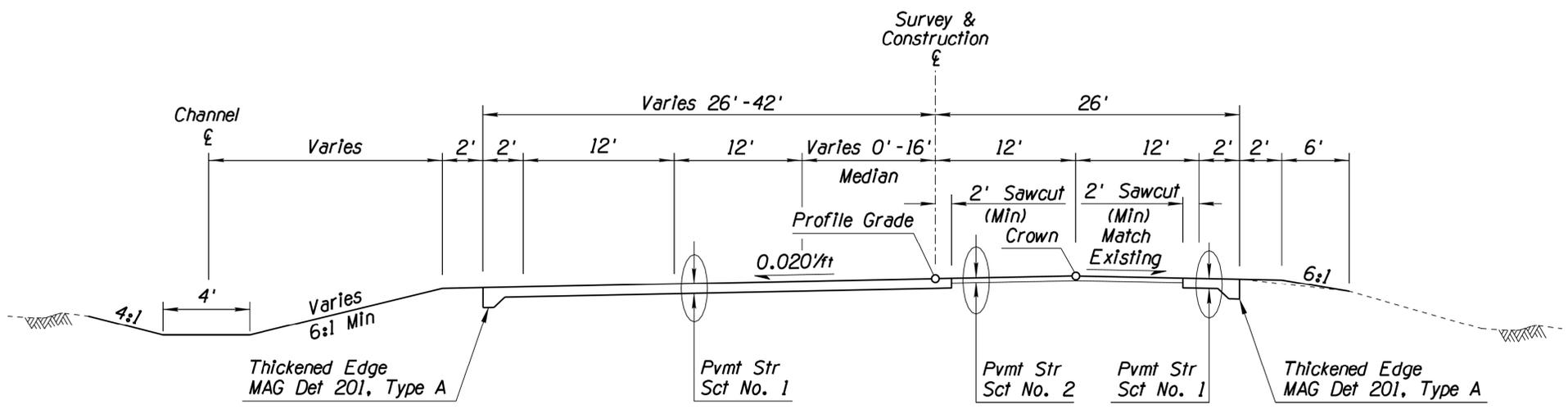


DESIGN	HT	DATE	6-09	CITY OF MARICOPA DEVELOPMENT SERVICES	
DRAWN	PBSJ CAD	DATE	6-09		
CHECKED	THS	DATE	6-09		
PBSJ 20860 N. Tatum Blvd., Ste 300 Phoenix, Arizona 85020 Telephone: 480/419-7275 Fax: 480/419-7202				DESIGN SHEET TYPICAL SECTIONS AND PAVEMENT STRUCTURAL SECTIONS	
ROUTE	MARICOPA-CASA GRANDE HIGHWAY		LOCATION	WHITE & PARKER ROAD	
PROJECT NO.				SHEET 5 OF 60	
				EXPIRES 12/31/2010	
				OF	

SURVEY NO. FINISHED PLANS- REVISIONS- LOCATION- DATE- SURVEY NO. FINISHED PLANS- REVISIONS- LOCATION- DATE- SURVEY NO.



MARICOPA-CASA GRANDE HWY
TYPICAL SECTION
 Sta 29+30.00 to 61+45.00

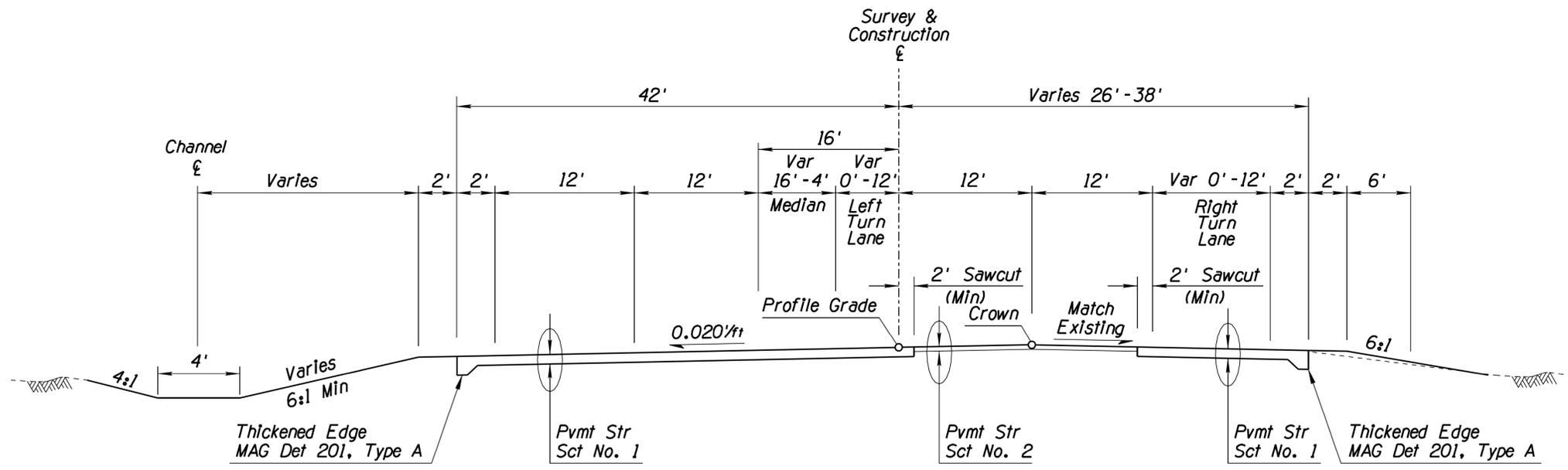


MARICOPA-CASA GRANDE HWY
TYPICAL SECTION
 Sta 61+45.00 to 69+80.00 Right
 Sta 61+45.00 to 69+45.00 Left

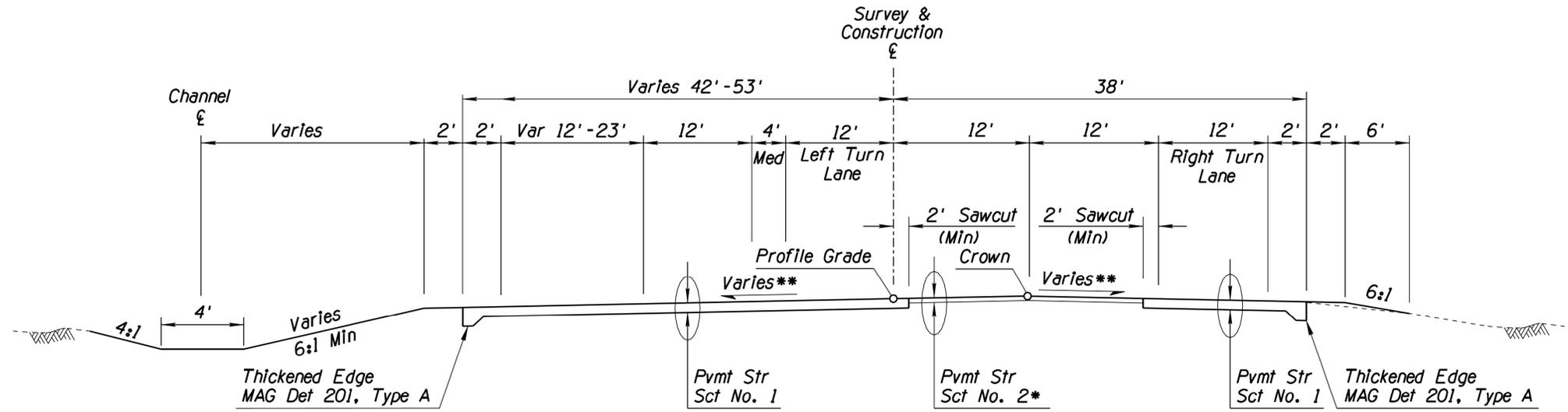


DESIGN	HT	DATE	6-09	CITY OF MARICOPA DEVELOPMENT SERVICES	
DRAWN	PBSJ CAD	DATE	6-09		
CHECKED	THS	DATE	6-09		
PBSJ 20860 N Tatum Blvd, Ste 300 Phoenix, Arizona 85080 Telephone: 480/419-7275 Fax: 480/419-7202				DESIGN SHEET TYPICAL SECTIONS	
ROUTE			LOCATION		
MARICOPA-CASA GRANDE HIGHWAY			WHITE & PARKER ROAD		
PROJECT NO.			SHEET 6 OF 60		
			OF		

SURVEY NO. FINISHED PLANS- LOCATION- DATE- REVISIONS- FINISHED PLANS- SURVEY NO. LOCATION- DATE- REVISIONS- FINISHED PLANS- SURVEY NO.



**MARICOPA-CASA GRANDE HWY
TYPICAL SECTION**
 Sta 69+80.00 to 72+05.00 Right
 Sta 69+45.00 to 73+29.53 Left



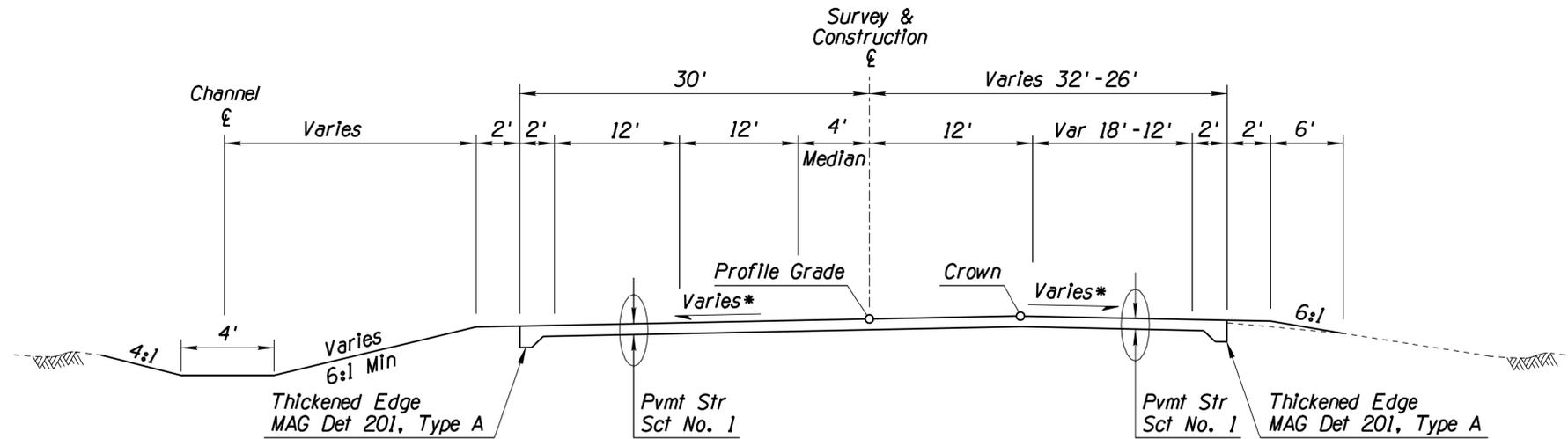
**MARICOPA-CASA GRANDE HWY
TYPICAL SECTION**
 Sta 72+05.00 to 74+92.36 Right
 Sta 73+29.53 to 74+92.36 Left
 Sta 74+92.36 to 78+87.35 See Intersection Detail A

NOTE
 * Sta 74+00.00 to 83+50.00 Use Pvmt Str Sct No. 1
 ** Sta 74+00.00 to 80+00.00 See Sheet 26 of 60 For Pavement
 Superelevation Information.

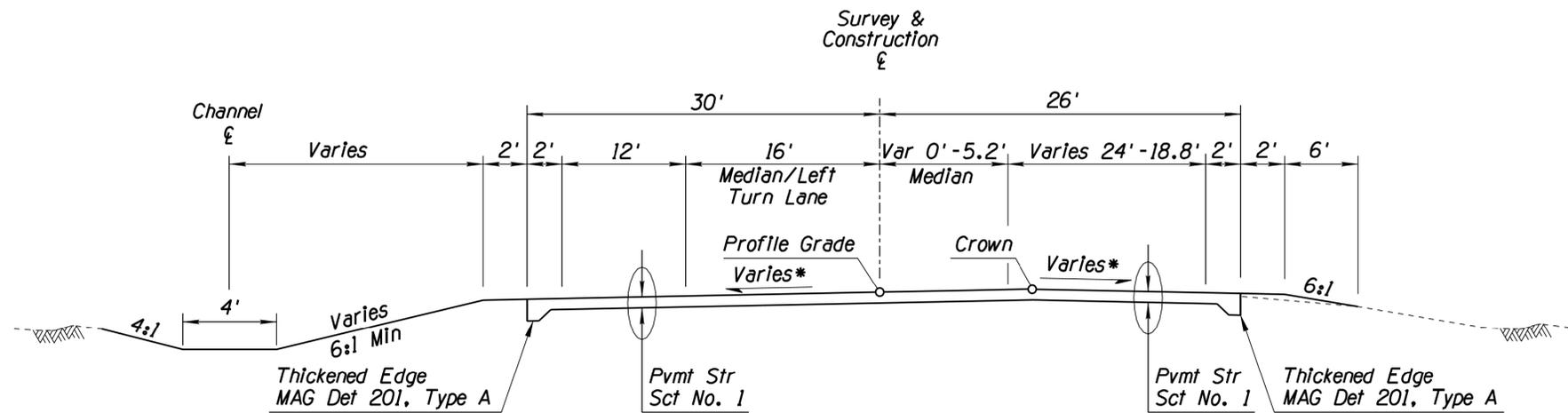


DESIGN	HT	DATE	6-09	CITY OF MARICOPA DEVELOPMENT SERVICES	
DRAWN	PBSJ CAD	6-09			
CHECKED	THS	6-09			
PBSJ 20860 N. Tatum Blvd., Ste 300 Phoenix, Arizona 85080 Telephone: 480/419-7275 Fax: 480/419-7202				DESIGN SHEET TYPICAL SECTIONS	
ROUTE MARICOPA-CASA GRANDE HIGHWAY			LOCATION WHITE & PARKER ROAD		
PROJECT NO.			SHEET 7 OF 60		
			OF		

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO. DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



**MARICOPA-CASA GRANDE HWY
TYPICAL SECTION**
Sta 78+87.35 to 79+32.28



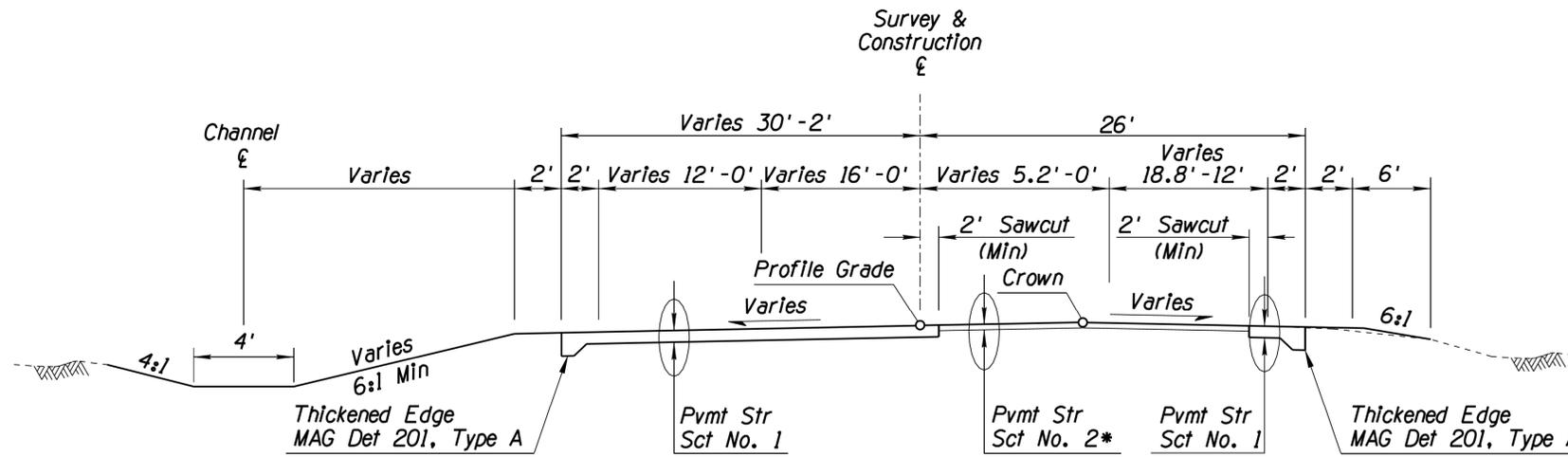
**MARICOPA-CASA GRANDE HWY
TYPICAL SECTION**
Sta 79+32.28 to 82+93.00

NOTE
* Sta 74+00.00 to 80+00.00 See Sheet 26 of 60 For Pavement Superelevation Information.

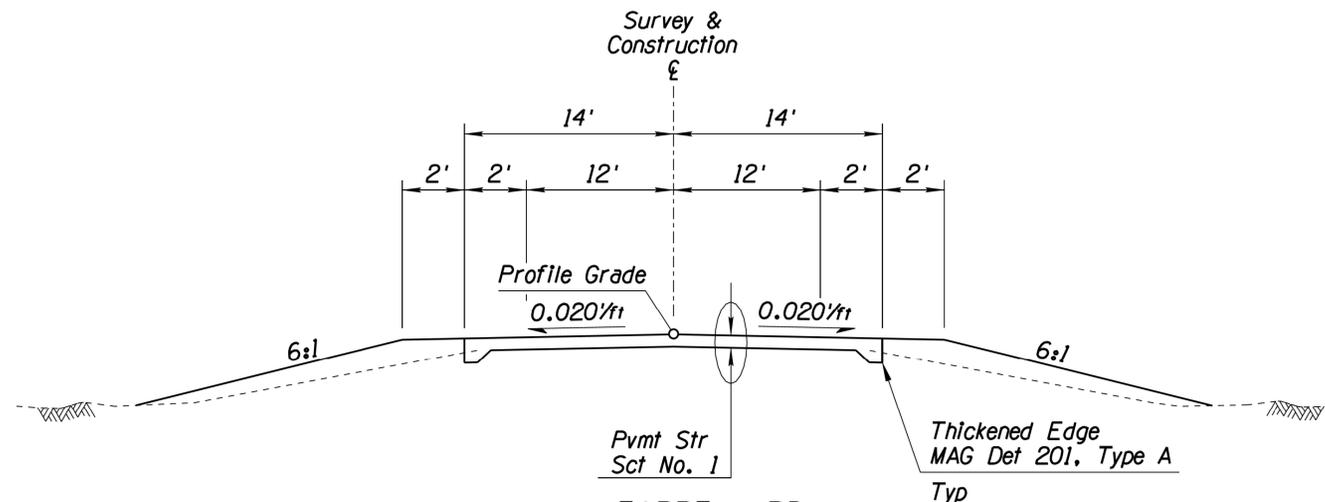


DESIGN	HT	DATE	6-09	CITY OF MARICOPA DEVELOPMENT SERVICES	
DRAWN	PBSJ CAD	DATE	6-09		
CHECKED	THS	DATE	6-09		
				DESIGN SHEET TYPICAL SECTIONS	
ROUTE MARICOPA-CASA GRANDE HIGHWAY			LOCATION WHITE & PARKER ROAD		
PROJECT NO.			SHEET 8 OF 60		
			OF		

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO. DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



**MARICOPA-CASA GRANDE HWY
TYPICAL SECTION**
Sta 82+93.00 to 96+93.00

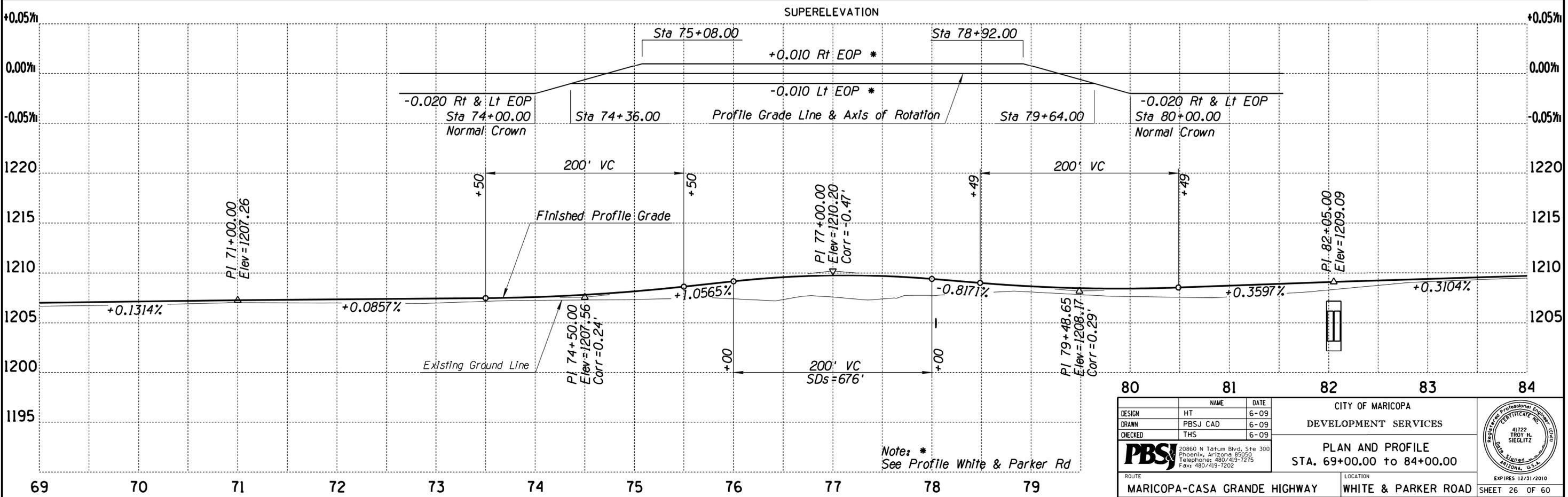
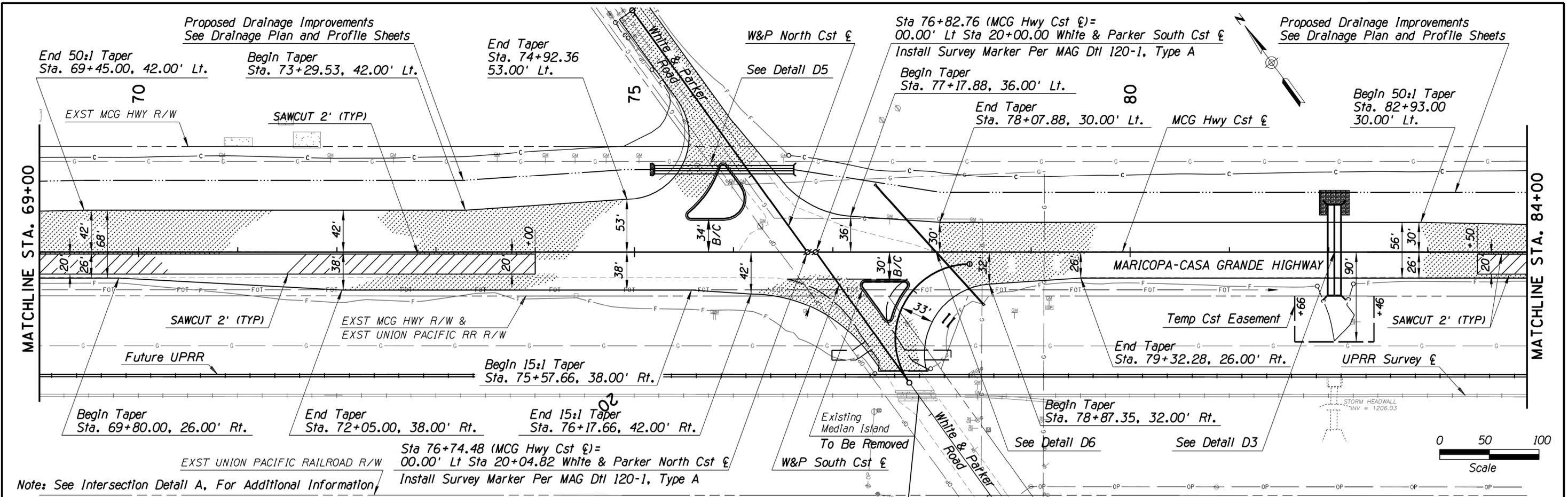


**FARRELL RD
TYPICAL SECTION**
Sta 10+26.00 to 10+95.00

NOTE:
* Sta 74+00.00 to 83+50.00 Use Pvmt Str Sct No. 1

DESIGN	HT	DATE	6-09	CITY OF MARICOPA DEVELOPMENT SERVICES	
DRAWN	PBSJ CAD	DATE	6-09		
CHECKED	THS	DATE	6-09		
				DESIGN SHEET TYPICAL SECTIONS	
ROUTE			LOCATION		
MARICOPA-CASA GRANDE HIGHWAY			WHITE & PARKER ROAD		
PROJECT NO.			SHEET 9 OF 60		
			OF		





DESIGN	HT	DATE	6-09	CITY OF MARICOPA DEVELOPMENT SERVICES	
DRAWN	PBSJ CAD	DATE	6-09		
CHECKED	THS	DATE	6-09		
				PLAN AND PROFILE STA. 69+00.00 to 84+00.00	
ROUTE	MARICOPA-CASA GRANDE HIGHWAY		LOCATION	WHITE & PARKER ROAD	
PROJECT NO.					SHEET 26 OF 60