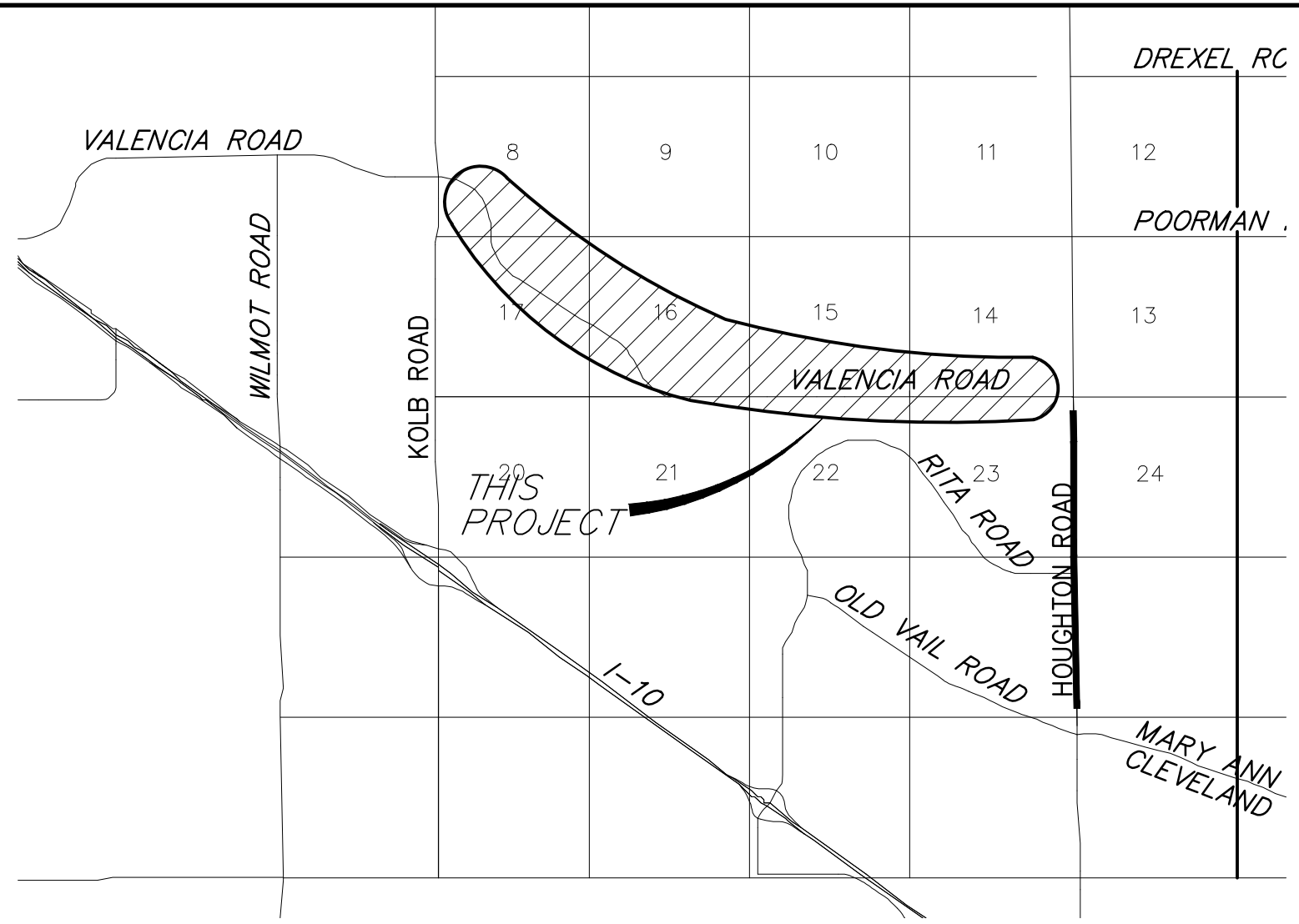


CITY OF TUCSON, ARIZONA
VALENCIA ROAD
KOLB RD TO HOUGHTON RD
ROADWAY IMPROVEMENTS
COT Job No. SR14
COT PLAN No. I-2020-021

PROPOSED CONSTRUCTION BEGINS EAST OF KOLB ROAD AND ENDS WEST OF HOUGHTON ROAD. THE 4.27 MILES OF NEW ROADWAY IMPROVEMENTS INCLUDE A SIX LANE DIVIDED ROADWAY, MULTI-USE LANES, MEDIAN, MULTI-USE PATH, AND DRAINAGE IMPROVEMENTS.

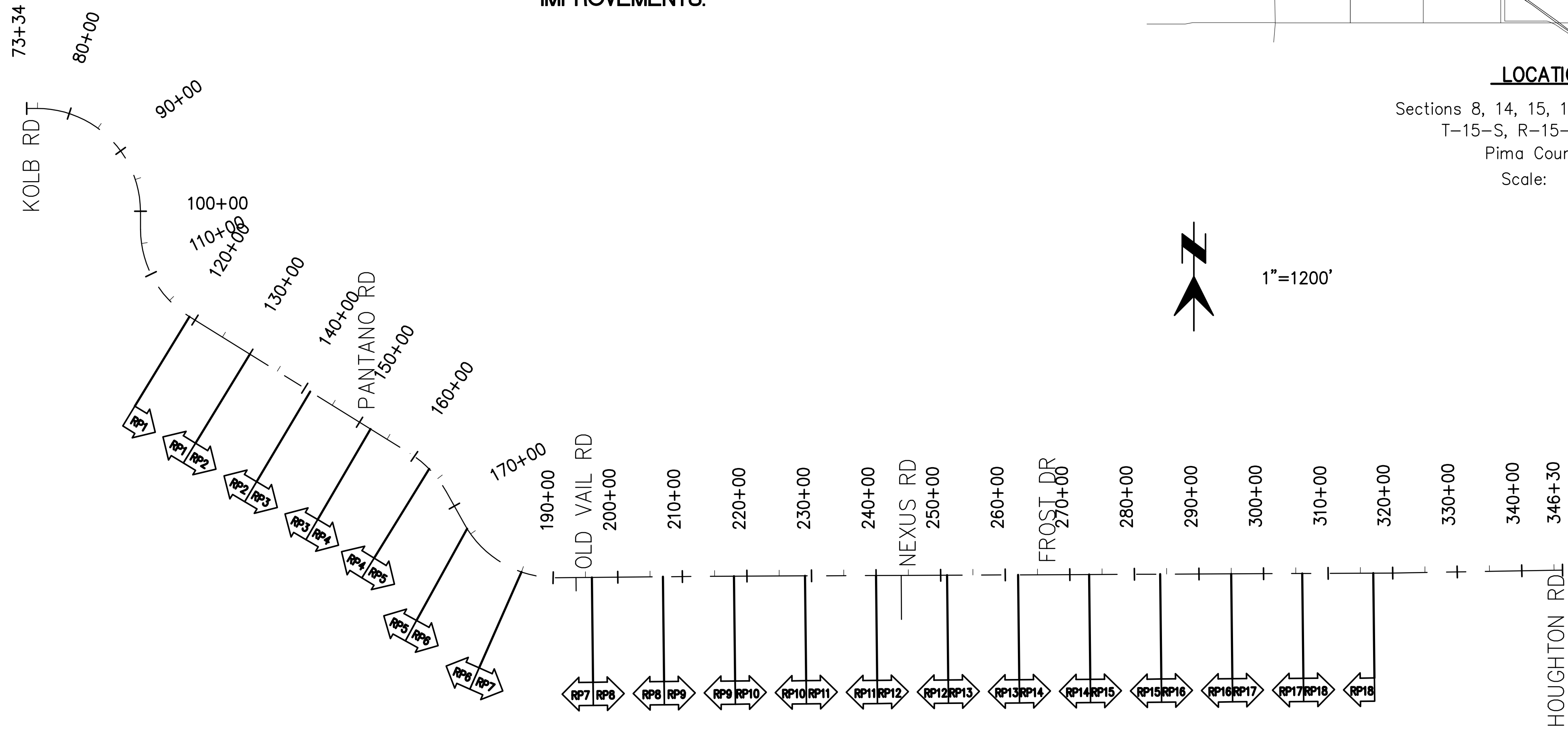


LOCATION MAP

Sections 8, 14, 15, 16, 17, 21, 22, and 23
T-15-S, R-15-E, G and S R M
Pima County, Arizona
Scale: 1"=1 Mile

INDEX OF SHEETS

Page No.	Sheet No.	Sheet Description
1	CV 1	Cover Sheet
2-3	NT 1-2	General Notes Sheets
4	DS 1	Design Sheet
5-7	TY 1-3	Typical Sections
8-15	HZ 1-8	Horizontal Control Plans
16-33	RP 1-18	Roadway Plans and Profiles
34-36	PP 1-3	MUP Plans and Profiles
37-38	ST 1-2	Side Street Plans and Profiles
39-45	DR 1-7	Cross Drainage Plans and Profiles
46-54	SD 1-9	Storm Drain Plans and Profiles
55-65	PM 1-11	Pavement Marking Plans



Constructed by:

Construction Company

Completion Date

Red-Lines by:

Construction Administrator Name & Company

Completion Date

Record Document by:

As-Built Designer Name & Company

Completion Date

DRAFT

Record Document
Dated:

UPC-XXXX-XXX

NO.	DATE	REVISION	BY



DRAFT
30% Plans
NOT FOR
CONSTRUCTION

COVER SHEET			
PSOMAS			
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION			
HOUGHTON ROAD ROADWAY IMPROVEMENTS VALENCIA RD TO MARY ANN CLEVELAND WAY			
APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__
DESIGN SECTION/PERMITS AND CODES			TRANSPORTATION DIRECTOR
TRAFFIC ENGINEERING			
STREETS AND TRAFFIC MAINTENANCE			
ENGINEERING LANDSCAPE ARCH			
ENGINEERING ADMINISTRATOR			
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT 11/20	SCALE: 1"=1200'
PLAN NO. I-2020-021			1 OF 65

GENERAL NOTES

1. Horizontal Control: This project utilizes the Arizona Coordinate System, 1983 (ACS 83), HARN92, and is located in the central zone. The control network was surveyed in April 2020 using trimble GPS units utilizing differential real-time kinematic methods and incorporated the following National Geodetic Survey (NGS) and City of Tucson control points.

Pt. No.	ACS 83 Northing	ACS 83 Easting	Station	PID
1	408854.070	1043586.446	JN13	SCALE POINT
2	411191.633	1038269.258	JL09	
3	414068.695	1035601.566	JJ07	
4	416686.531	1032934.606	JG05	
6	408878.304	1048878.298	JN17	
7	408940.265	1051563.849	JN19	
8	408795.444	1054327.521	SUNDT	CZ1832

Surface coordinates and/or distances were computed from the ACS 83 coordinates by applying a project specific grid to surface combined elevation and scale factor at a central point (No. 1).

Combined Factor (CF)=1.0000984759

The Basis of Bearing for this project is N 01°05'22" W upon the line common with Section 14 and Section 23, Township 15 South, Range 15 East, G.&S.R.M., from a 1.5-inch aluminum cap at the north quarter corner of Section 23 to a 2-inch brass cap survey monument in a casting at the northeast corner of Section 23. The reference meridian is ACS83 Grid North.

2. Vertical Control: The vertical datum for this project is the North American Vertical Datum, 1988 (NAVD88). The Bench Marks used for this project were:

Pt. No.	Station	C.O.T. Fieldbook/Page	Elevation	
1	JN13	2108/9	2888.85 (2888.850 COT)	*PRIMARY
2	JL09	2108/10	2841.19 (2841.239 COT)	
3	JJ07	N/A	2814.81	
5	JN15	2108/8	2912.62 (2912.620 COT)	
6	JN17	2108/7	2918.31 (2918.255 COT)	
7	JN19	2108/7	2923.23 (2923.179 COT)	

3. This project has been designed by use of the AASHTO Policy on Geometric Design of Highways and Streets, Seventh Edition, 2018, and the PAG Standard Specifications (SSPI) and Details for Public Improvements (SDPI), 2015 editions.

4. Right-of-way encroachments shall be removed by the contractor as directed by the Engineer and will be paid for under Removal of Structures and Obstructions.

5. All construction activity and test methods shall conform to the PAG SSPI and SDPI, 2015 editions. Said documents are on file at 201 N. Stone Avenue, Tucson, AZ 85726-7201. The said specifications and details may be modified or supplemented as shown or indicated in these plans and Special Provisions.

6. The contractor shall comply with all applicable occupational safety and health administration regulations, in particular, shoring of trenches.

7. The contractor shall obtain all permits required by governmental agencies.

8. The contractor shall be responsible for the care, maintenance, repair, or replacement of existing facilities in the work area which have been removed or damaged during the course of construction. All repair, replacement or cleanup shall be completed to the satisfaction of the Engineer.

9. The contractor is responsible for complying with all regulations and requests by the Engineer regarding dust pollution.

10. It shall be the contractor's responsibility to furnish, haul and apply all water required for compaction and for the control of dust from construction activity. The cost will be considered as included in the contract price for the various bid items for which this work is incidental.

11. Upon commencement of work, traffic control devices shall be posted and maintained by the contractor until such a time as the work is complete. All warning signs, barricades, etc. shall be in accordance with the Manual on Uniform Traffic Control Devices 2009 Edition and as approved by the Engineer.

12. Access shall be maintained to all businesses, residences, and side streets at all times except when approved by the Engineer.

13. Utility locations, as shown on the plans, were compiled based on the best information available. Utility locations are not intended to be exact or complete. Prior to commencing construction the contractor shall verify the location of all utilities with the appropriate organizations. It shall be the responsibility of the contractor to protect all existing utilities in place that are not shown on the project plans to be relocated or modified. With the approval of the Engineer and the Owner of the utility, the contractor may remove and replace or relocate existing utilities for his convenience. No separate measurement and payment will be made for protection, removal and replacement, or relocation of existing utilities. The cost will be considered as included in the contract price for the various bid items in which this work is incidental. Contact "Blue Stake" 1-800-STAKE-IT, two full working days prior to beginning construction. Saturday and Sunday are not considered working days.

14. Removal of all cacti and native plants shall be in accordance with the provisions of the "Arizona Native Plant Law," A.R.S, Chapter 7.

15. The project roadway shall be striped by the contractor in accordance with the details shown in the project plans and with the PC/COT Pavement Marking Design Manual, 2008.

16. All existing manhole frames and covers, survey monuments, water valves, etc. shall be adjusted to match finished grade where applicable and as directed by the Engineer. This work shall be considered incidental to the other items of work, except when the bidding schedule contains specific items on a unit basis.

17. Various grading operations may be necessary at and around existing utility pole facilities and trees. The cost will be considered as included in the contract price for the various bid items for which this work is incidental.

18. All existing signs to be removed as part of this project are to be delivered to the City of Tucson Sign Shop at 4004 S. Park (791-3154.) The contractor is responsible for unloading the salvaged material. The City of Tucson will provide new signing prior to completion of the construction activities.

19. Transitions from vertical curb to wedge curb, depressed curb, and gutter or catch basins will be considered as included in the contract price for item No. 9080005, Concrete Curb. Depressed curb will be considered as included in the contract price for concrete curb.

20. Riprap shall be applied to all slopes that are 2:1. All slopes and graded areas 3:1 or flatter shall be revegetated.

21. All right-of-way fence shall be constructed 1 foot inside new right of way except where noted otherwise.

LEGEND		
NEW		EXISTING
	New Raised Median	
	New AC Multi-Use Path	
	New Pavement	
	New Sidewalk/Concrete	
	Right of Way	
	Easement	
	Section Line	
	Property Line	
	Concrete Header	
	Pavement Spot Elevation	
	Mapped Utility Location	MP(Utility I.D.)
	Blue Stake Utility Location	BS(Utility I.D.)
	Storm Sewer	- - SD 30" -
	Electric Line (Traffic Signal)	— E —
	Underground Electric Line	— UGE —
	Overhead Electric	— OHE —
	Utility Pole	UP
	Light Pole	
	Traffic Signal Box	TSB
	Street Light Box	SLB
	Underground TV Cable	— CATV —
	Fiber Optic	— FO —
	Water Main	— W —
	Reclaimed Water Main	— RW —
	Underground Telephone Line	— T —
	Natural Gas Line	— G —
	Gas Line Marker	GLM
	Irrigation Valve	IV
	Reclaimed Water Valve	
	Gate Valve	
	Benchmark	
	Sewer Line	— S —
	Sewer Manhole	
	Fence	— X —
	Retaining Wall	

DRAFT

P S O M A S					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85710 (520) 292-2300 (520) 292-2300 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.




CITY OF
TUCSON

DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD General Notes				NT01 OF NT02
APPROVALS		SIGNATORY	DATE	APPROVED _____20____ TRANSPORTATION DIRECTOR 2 OF 65
			REF. _____	SCALE: 1"=40'
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT	11/20	PLAN NO. I-2020-021

E:\V\15162021\TRANSP\SHEETS\01-Index-C-VR01N01.dwg NT01 Last Saved: Fri, 20 Nov 2020 8:41:03 AM Plotted: Friday, November 20, 2020 12:22:08 PM

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



Call 811 or click Arizona811.com

SEWER NOTES;

1. ALL DESIGN STANDARDS, MATERIALS AND WORKMANSHIP FOR PUBLIC SANITARY SEWERS SHALL BE IN ACCORDANCE WITH THE PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT (PCRWRD) ENGINEERING DESIGN STANDARDS 2016 (EDS 2016) AND THE STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION 2016 (SSDC 2016). SAID DOCUMENTS ARE AVAILABLE THROUGH THE PCRWRD WEBSITE (www.pima.gov/wastewaterreclamation).
2. THE CONTRACTOR SHALL CONTACT "ARIZONA 811" (DIAL 811 OR 1-800-782-5348) A MINIMUM OF TWO (2) BUSINESS DAYS PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL KEEP ALL UNDERGROUND FACILITY LOCATION REQUESTS UP-TO-DATE AND COMPLY WITH ARIZONA REVISED STATUTES (A.R.S.), TITLE 40, CHAPTER 1, ARTICLE 6.3, SECTION 40-360.22. CONCERNS REGARDING THE ACCURACY BETWEEN THE UNDERGROUND FACILITY MARKINGS AND THE PROJECT PLANS SHALL BE IMMEDIATELY REPORTED TO THE DESIGN ENGINEER.
3. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL SANITARY SEWER MANHOLES AT ALL TIMES.
4. ANY HOUSE CONNECTION SEWER (HCS) OR BUSINESS CONNECTION SEWER (BCS) LINES ENCOUNTERED DURING CONSTRUCTION SHALL BE PROTECTED, REPAIRED, OR REROUTED, AS THE SITUATION DICTATES, PER PCRWRD SSDC 2016 DETAIL NO. RWRD 400 AND AT NO EXPENSE TO THE PROPERTY OWNER OR PCRWRD. HCS AND BCS LINES ARE NOT OWNED OR MAINTAINED BY PCRWRD. PRIVATE CONNECTION SEWERS CONSTRUCTED PRIOR TO JANUARY 2006 ARE NOT REQUIRED TO BE LOCATED AND MARKED.
5. IMMEDIATELY REPORT ANY OF THE FOLLOWING TO THE PCRWRD OPERATIONS CONTROL CENTER (OCC) AT (520) 724-6500: ANY RELEASE OF SEWAGE, ANY DAMAGE TO THE PUBLIC SANITARY SEWER SYSTEM, OR THE DROPPING OF DEBRIS INTO A PUBLIC SANITARY SEWER MANHOLE. A PCRWRD REPRESENTATIVE WILL BE DISPATCHED TO THE SITE. THE CONTRACTOR SHALL TAKE IMMEDIATE ACTION TO CONTAIN A SANITARY SEWAGE OVERFLOW (SSO). THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS TO REPAIR THE SYSTEM, MITIGATE THE RELEASE OF SEWAGE, DISINFECT THE RELEASE AREAS, AND ANY REGULATORY PENALTIES LEVIED ON PCRWRD FOR SEWAGE ENTERING A NATURAL DRAINAGE WAY OR STORM WATER DRAINAGE SYSTEM. THE CONTRACTOR SHALL REPAIR ALL DAMAGE AS DIRECTED AND APPROVED BY THE PCRWRD FIELD REPRESENTATIVE.
6. MODIFICATION TO OR ADJUSTMENT OF EXISTING PIMA COUNTY SEWER FACILITIES SHALL NOT COMMENCE UNTIL: (A) THE CONTRACTOR HAS OBTAINED A PCRWRD PUBLIC SEWER CONSTRUCTION PERMIT (CONTACT THE PCRWRD PERMITS SECTION AT (520) 724-6649 FOR PERMIT APPLICATION REQUIREMENTS); (B) THE CONTRACTOR'S FLOW MANAGEMENT PLAN HAS BEEN SUBMITTED THIRTY (30) CALENDAR DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING AND APPROVED BY PCRWRD FIELD ENGINEERING; AND (C) A PRE-CONSTRUCTION MEETING WITH THE ASSIGNED PIMA COUNTY PROJECT FIELD INSPECTOR IS SCHEDULED AT LEAST THREE (3) FULL BUSINESS DAYS PRIOR TO COMMENCING WITH SEWER CONSTRUCTION.
7. THE CONTRACTOR SHALL ADJUST OR RECONSTRUCT ALL SANITARY SEWER MANHOLES TO FINISHED GRADE. ALL FRAMES AND COVER ADJUSTMENTS SHALL BE IN ACCORDANCE WITH PCRWRD SSDC 2016, DETAIL NOS. RWRD 211, 212, 304 OR 305 (AS APPLICABLE). THE CONTRACTOR SHALL PROTECT THE BENCH AND FLOW CHANNELS WITH A COVER PER PCRWRD SSDC 2016, DETAIL NO. RWRD 306. PRIOR TO COMMENCING ANY WORK TO THE MANHOLE AND REMOVE THE COVER AFTER ALL WORK IS COMPLETED. THE CONTRACTOR SHALL ENSURE THAT FRAMES AND COVERS ARE CLEAN AND FREE FROM ANY AND ALL ATTACHED MATERIALS (ASPHALT, CONCRETE, ETC.) AND THAT ALL VENT HOLES ARE OPEN AND CLEAR OF OBSTRUCTIONS, AS APPROVED BY THE PCRWRD FIELD ENGINEER. EXISTING FRAMES AND/OR COVERS THAT ARE DAMAGED OR CANNOT BE COMPLETELY CLEANED SHALL BE REPLACED WITH A NEW FRAME AND COVER IN ACCORDANCE WITH PCRWRD SSDC 2016, DETAIL NO. RWRD 213 - 218. COSTS ASSOCIATED WITH EXISTING FRAMES AND COVERS THAT ARE LOST OR DAMAGED DUE TO THE CONTRACTOR'S OPERATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. THE CONTRACTOR SHALL SUBMIT A FLOW MANAGEMENT PLAN (FMP) TO PCRWRD FIELD ENGINEERING FOR APPROVAL BEFORE PROCEEDING WITH ANY WORK THAT MAY AFFECT LIVE SEWERS. THE FMP SHALL IDENTIFY AND INCLUDE ALL FLOW MANAGEMENT COSTS IN THE CONSTRUCTION BID. THE FMP SHALL BE SUBMITTED

THIRTY (30) CALENDAR DAYS PRIOR TO THE SEWER PRE-CONSTRUCTION MEETING. FIELD ENGINEERING WILL REVIEW THE FMP WITHIN TEN (10) BUSINESS DAYS TO ACCOMMODATE REVIEW AND REVISION CYCLES. REFER TO PCRWRD SSDC 2016, SECTION 2 FOR FMP REQUIREMENTS. PLEASE CONTACT PCRWRD FIELD ENGINEERING AT (520) 724-2651 FOR ANY QUESTIONS REGARDING FLOW MANAGEMENT.


9. STORM WATER AND SEDIMENT CONTROL MEASURES SHALL BE PROPERLY INSTALLED TO PROTECT PCRWRD MANHOLES AT THE BEGINNING OF CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONSTANTLY MAINTAIN STORM WATER AND SEDIMENT CONTROL MEASURES THAT PROTECT PCRWRD FACILITIES UNDER ALL CONDITIONS FOR THE DURATION OF THE PROJECT. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR ALLOW STORM WATER, SEDIMENT, OR POTENTIAL POLLUTANTS FROM A CONSTRUCTION SITE TO ENTER A PCRWRD MANHOLE. THE CONTRACTOR SHALL ENSURE THAT THEIR FLOW MANAGEMENT OPERATIONS INCLUDE CONTROLS TO PREVENT ANY INTRODUCTION OF STORM WATER, SEDIMENT, OR POLLUTANTS INTO THE PUBLIC SANITARY SEWER SYSTEM. FAILURE TO CONFORM TO THESE REQUIREMENTS SHALL RESULT IN CANCELLATION OF THE SEWER CONSTRUCTION PERMIT.

10. PRIOR TO THE PRECONSTRUCTION MEETING WITH PCRWRD, THE CONTRACTOR SHALL IDENTIFY ALL EXISTING SANITARY SEWER MANHOLE COVERS HAVING FOREIGN MATERIALS ATTACHED. FOREIGN MATERIALS SHALL BE REMOVED FROM THE EXISTING MANHOLE COVERS REGARDLESS OF EXISTING OR NEW CONDITIONS. IF BUILD-UP IS TOO HEAVY TO BE REMOVED, THE CONTRACTOR SHALL REPLACE THE MANHOLE FRAME AND COVER AND SALVAGED ITEMS SHALL BE DELIVERED TO PIMA COUNTY CONVEYANCE AT 3355 N. DODGE BLVD., TUCSON, AZ. THE CONTRACTOR SHALL COORDINATE WITH THE PCRWRD INSPECTOR TO SCHEDULE A TIME TO DELIVER THE SALVAGED FRAMES AND COVERS. AFTER THE COMPLETION OF PAVEMENT WORK, THE CONTACTOR SHALL VERIFY THAT ALL SANITARY SEWER MANHOLE COVERS AND PICK HOLES ARE CLEAN AND FREE OF ANY CONSTRUCTION MATERIALS, DEBRIS, AND/OR OBSTRUCTIONS.

11. ANY WORK INSIDE OR AROUND AN EXISTING SANITARY SEWER MANHOLE, INCLUDING MANHOLES THAT ARE LOCATED WITHIN THE ROUGH GRADING LIMITS FOR A PROJECT, SHALL BE PROTECTED FROM FALLING DEBRIS BY INSTALLING A TEMPORARY FLOW CHANNEL COVER PER PCRWRD STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION, STANDARD DETAIL RWRD-306. THE CONTRACTOR SHALL REMOVE ANY DEBRIS THAT ENTERS A MANHOLE DURING CONSTRUCTION. FAILURE BY THE CONTRACTOR TO PROMPTLY REMOVE DEBRIS FROM A MANHOLE SHALL RESULT IN PCRWRD TAKING CORRECTIVE ACTION THAT WILL THEN BE BILLED TO THE CONTRACTOR.

12. PRIOR TO COMMENCING WITH MANHOLE ADJUSTMENT WORK (I.E., REMOVAL OF THE MANHOLE FRAME AND COVER), THE CONTRACTOR SHALL VISUALLY INSPECT THE CONDITION OF THE MANHOLE FRAME, COVER, AND GRADE RINGS TO IDENTIFY ANY SPECIAL COATINGS, LININGS OR OTHER CONDITIONS THAT MAY REQUIRE ADDITIONAL WORK AND INSPECTION BY PCRWRD. IF SUCH CONDITIONS ARE IDENTIFIED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY FIELD ENGINEERING AT (520) 724-2651 FOR FURTHER DIRECTION.

P S O M A S					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85710 (520) 292-2300 (520) 292-2300 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.



CITY OF
TUCSON

DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION					
VALENCIA ROAD KOLB RD TO HOUGHTON RD General Notes				NT02 OF NT02	
APPROVALS	SIGNATORY	DATE	APPROVED _____20__		3
			TRANSPORTATION DIRECTOR		OF
			REF. _____SCALE: N/A		65
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT 11/20	PLAN NO. I-2020-021		

I:\V\1515020\TRANSP\SHEETS\01-100a\15-VR01NT02.dwg NT02 Last Saved: Fri, 20 Nov 2020 01:22:13 PM Plotted: Friday, November 20, 2020 12:22:13 PM



LENGTH OF PROJECT
Sta 89+00.00 to 314+23.31 = 22,523.31'
Gross & Net Length = 4.27 Miles

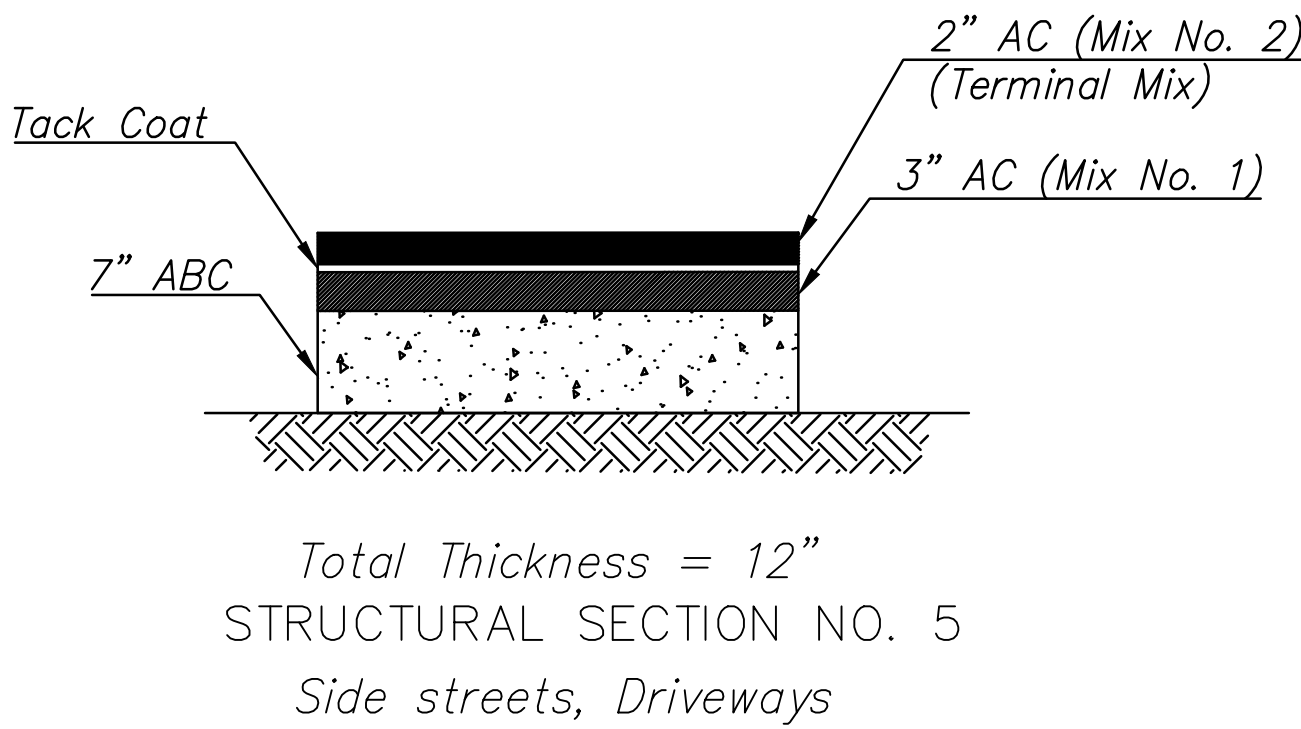
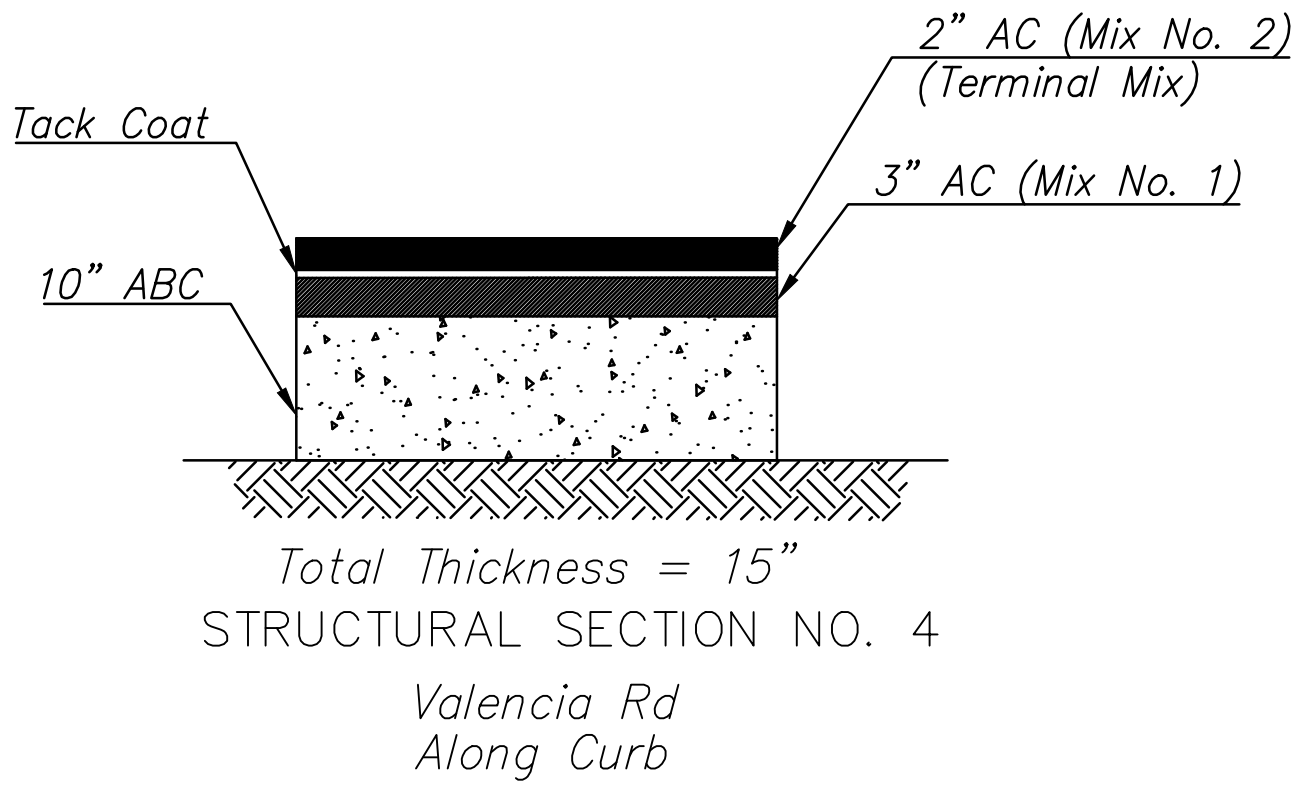
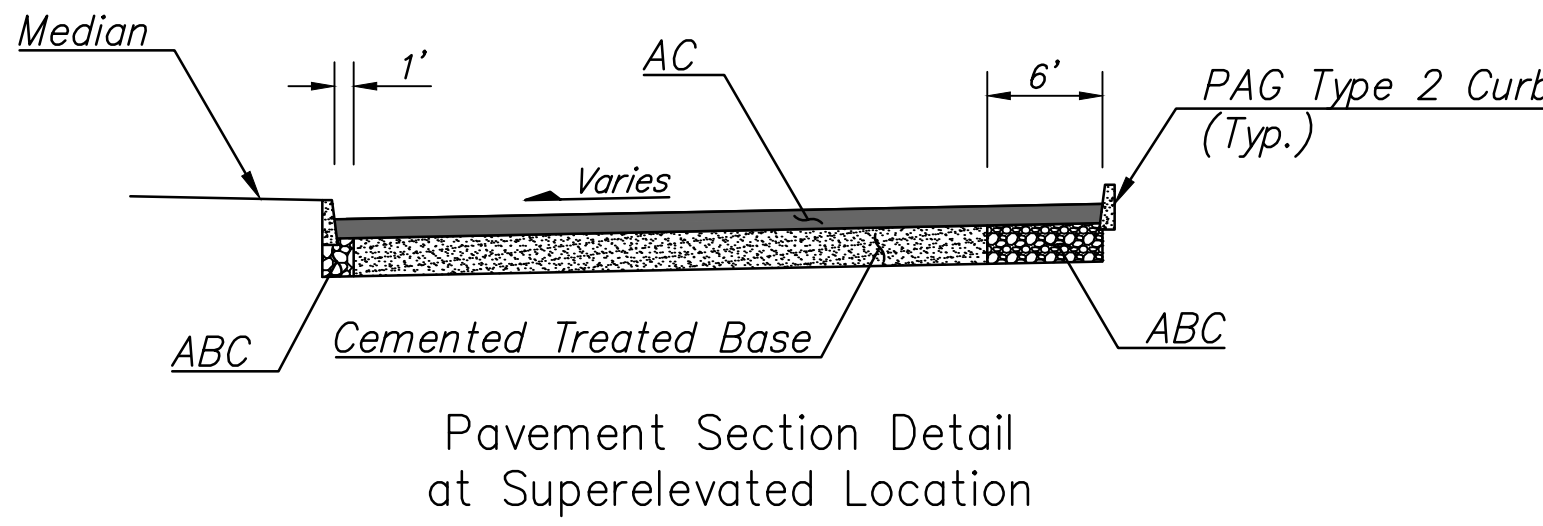
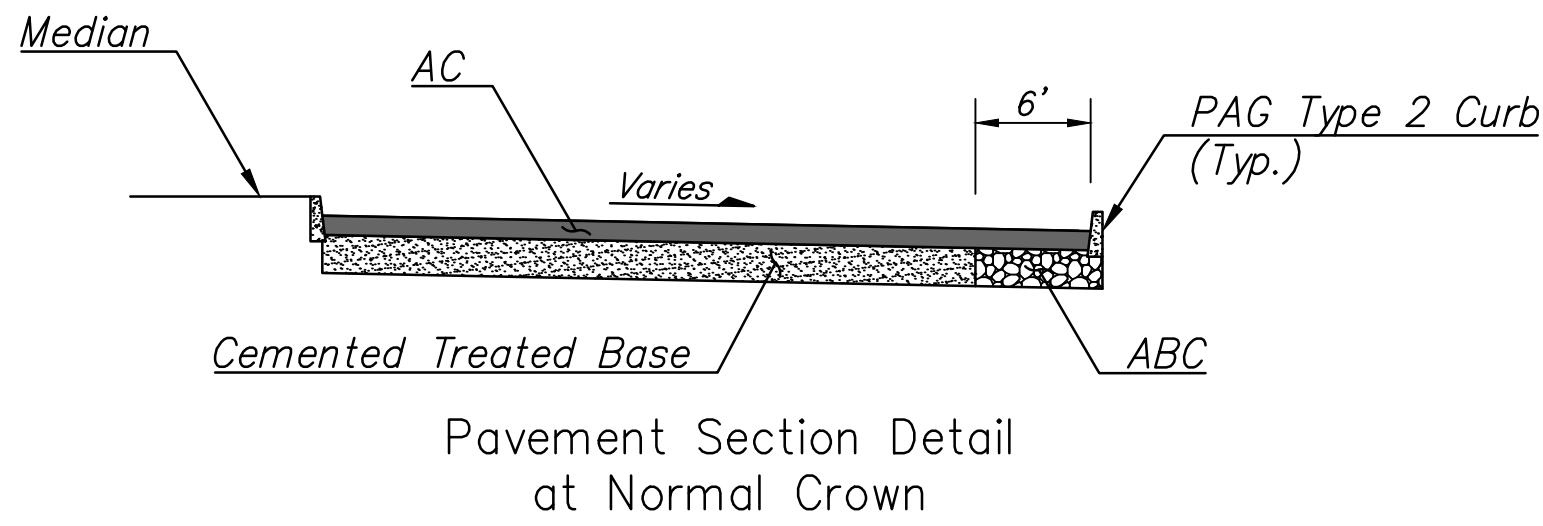
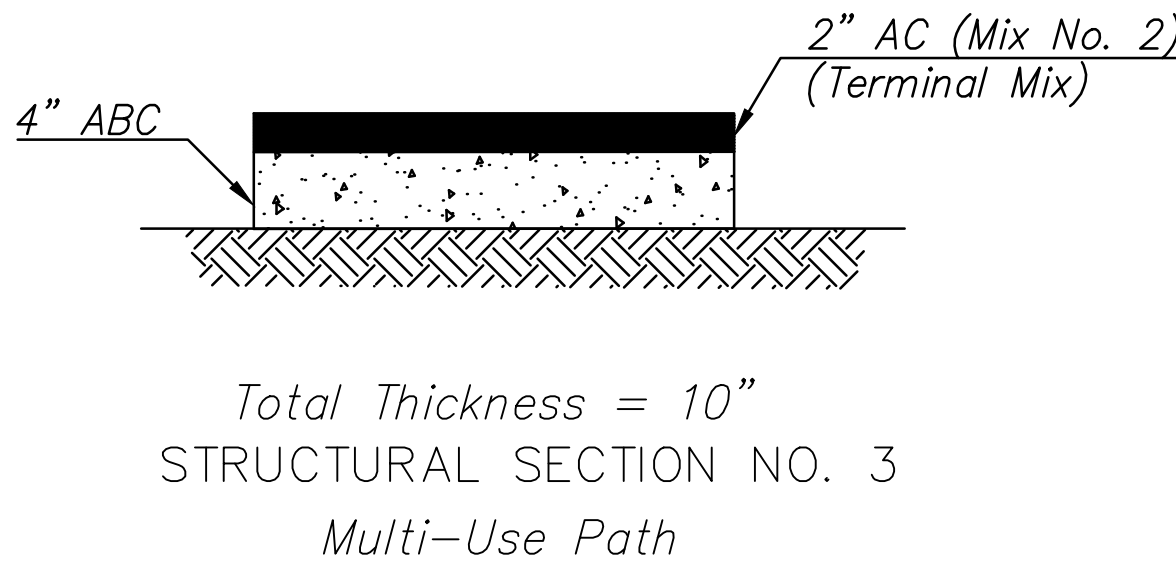
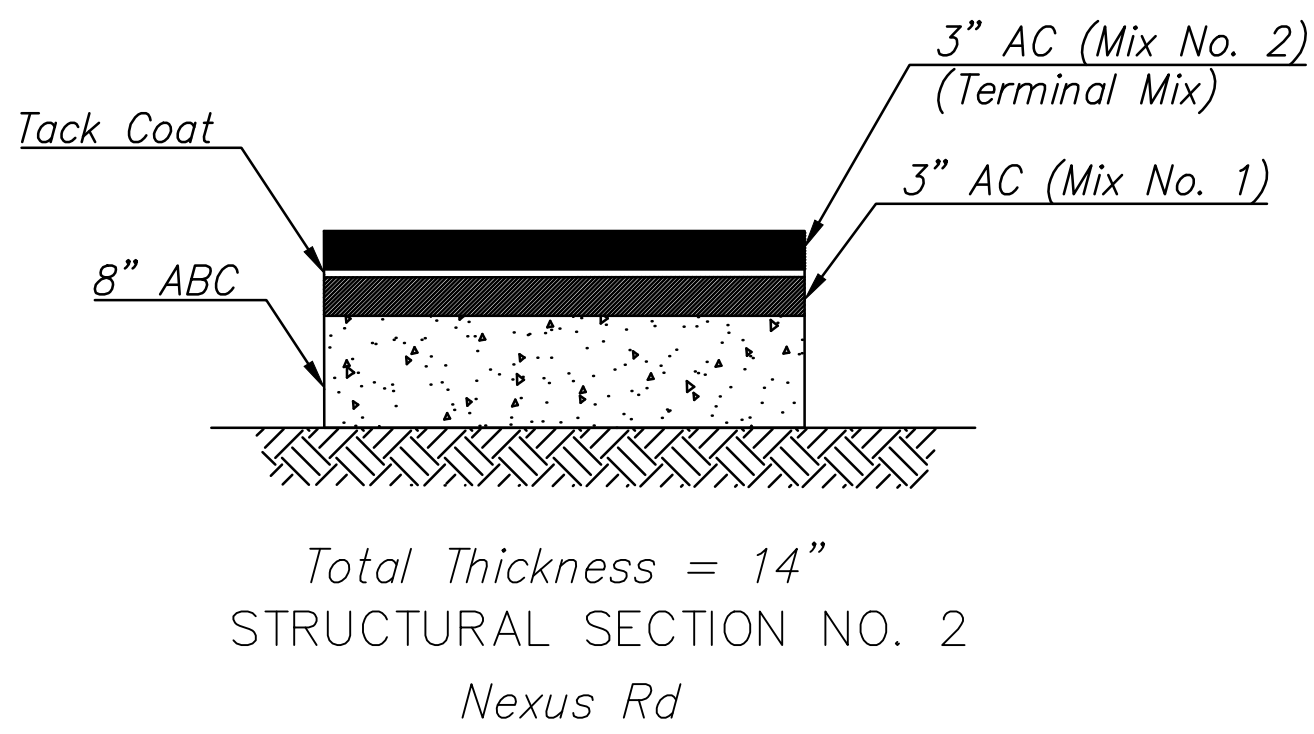
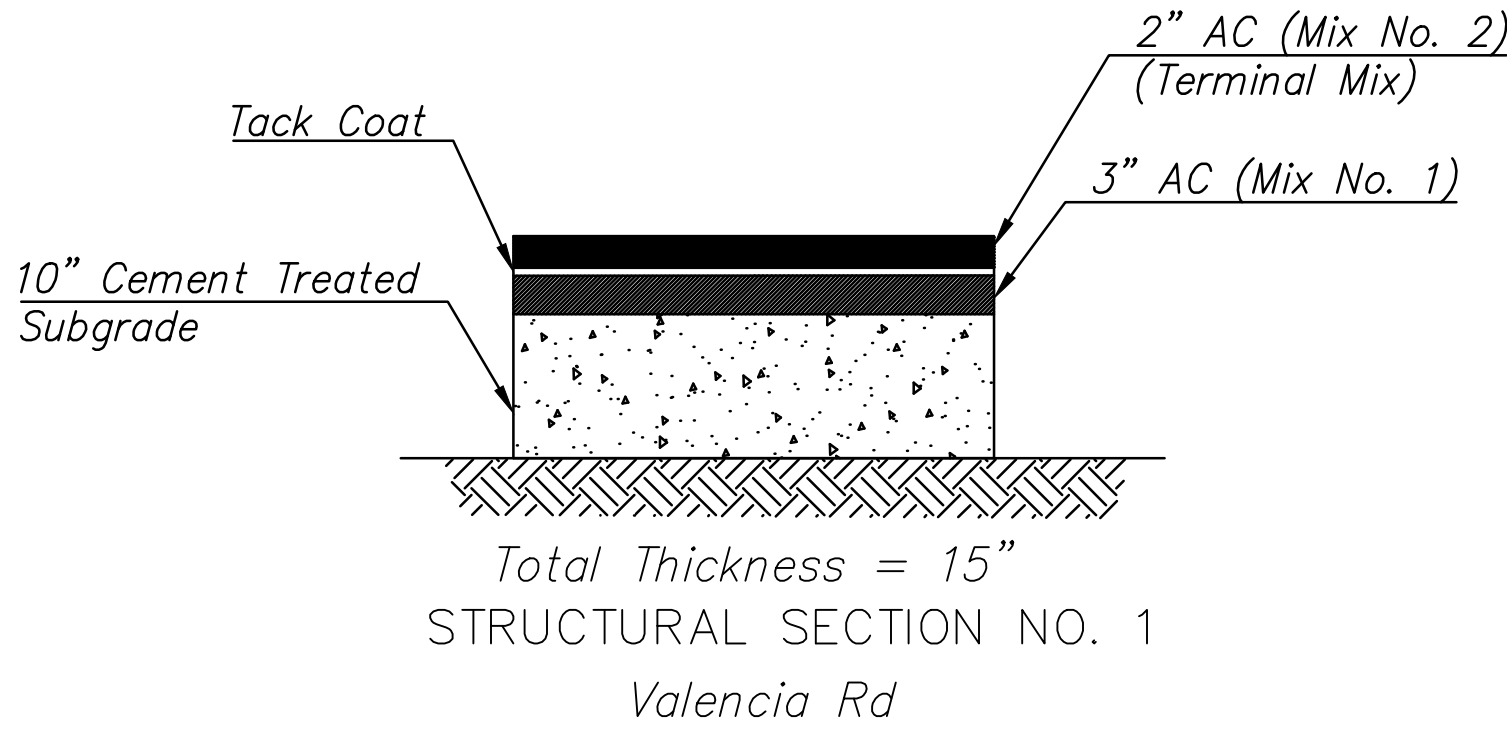
DESIGN DATA
Valencia Road
Roadway Classification = Urban Arterial
Design Speed = 50 MPH
Posted Speed = 45 MPH
Design Vehicle:
Mainline = WB-62
U Turns = P

Side Streets	Design Speed	Posted Speed	Design Vehicle
Old Vail Rd	50 mph	45 mph	WB-62
Nexus Rd	40 mph	35 mph	WB-62
Other Side Streets	25 mph	25 mph	B-40/SU

EARTHWORK QUANTITIES		
Roadway Excavation	61,830	CY
10% Shrink	6,183	CY
** Over Excavation	11,682	CY
Drainage Excavation	1,224	CY
10% Shrink	122	CY
Structural Excavation	1,136	CY
10% Shrink	114	CY
Pipe Excavation	2,243	CY
10% Shrink	224	CY
Total Excavation	66,432	CY
Total Shrink	6,643	CY
Total Excavation Available	59,789	CY
Roadway Emb (Incl. Grnd. Comp.)	101,198	CY
* Structural Backfill	265	CY
* Pipe Backfill	1,317	CY
Total Embankment Required	101,198	CY
Borrow (In Place)	41,409	CY

* Informational Purposes Only
** Over excavation material shall not be used in the project

EARTHWORK FACTORS		
Station	Shrink	Ground Compaction
Valencia Road 119+00.00 to 314+00.00 & All Adjoining Streets	10%	0.15'



PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85710 (520) 292-2300 (520) 292-1200 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.

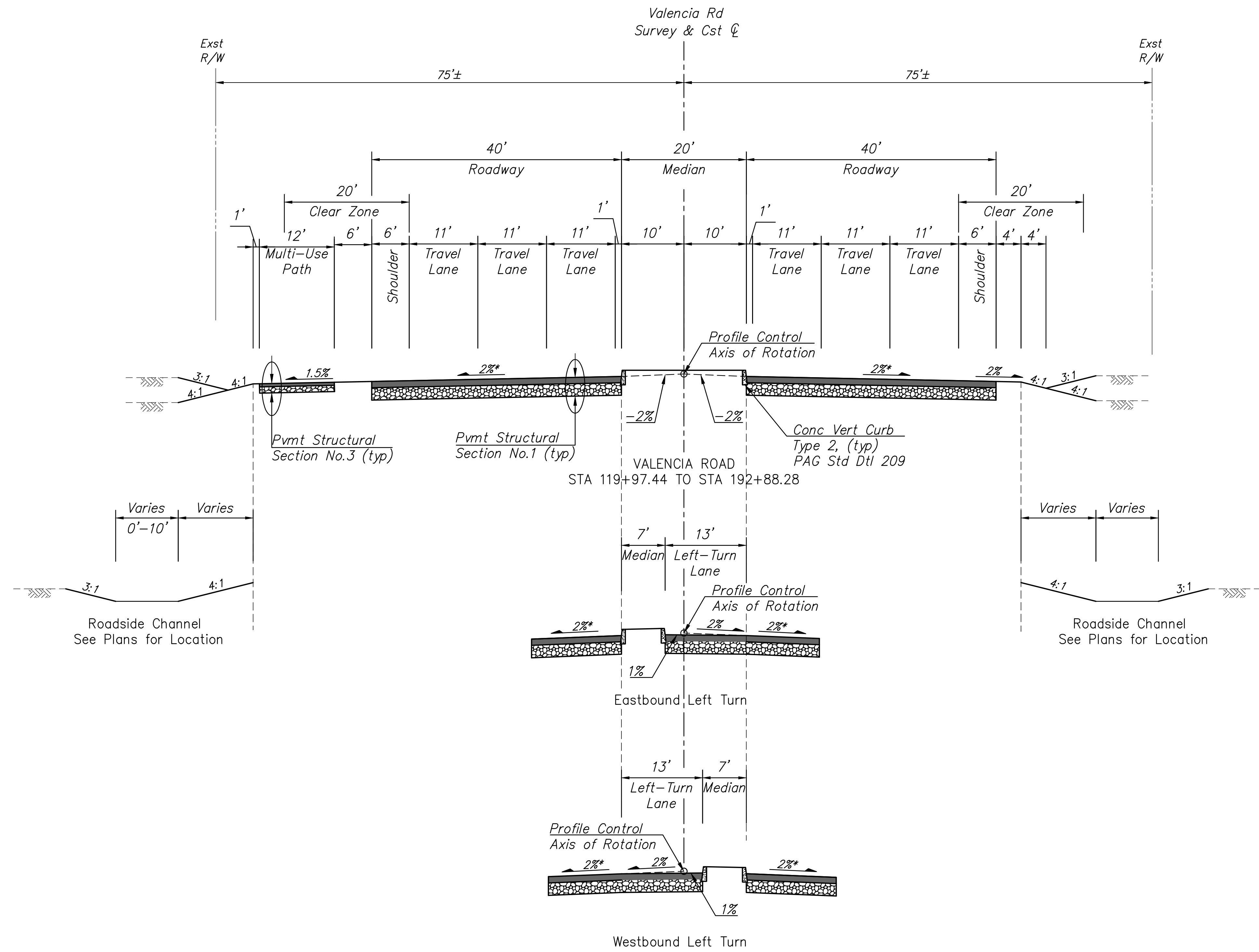


DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Design Sheet				DS01 OF DS01
APPROVALS	SIGNATORY	DATE	APPROVED _____20__	4
				OF
			TRANSPORTATION DIRECTOR	65
			REF. _____	SCALE:
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT 11/20	PLAN NO. I-2020-021	

L:\71515020\TRANSP\SHEETS\01-Index\CS-WR01DS01.dwg Layout: Last Saved: Fri, 20 Nov 2020 By: Elizabeth Barnes Plotted: Friday, November 20, 2020 12:23:57 PM





- Notes:
1. See Roadway Plans for striping layout.
 2. See Roadway Plans for cut and fill slope applications.
 3. See Roadway Plans and Right-of-Way Plans for right-of-way information.

* See Superelevation Diagram on Roadway Plans for cross slope variation

DRAFT

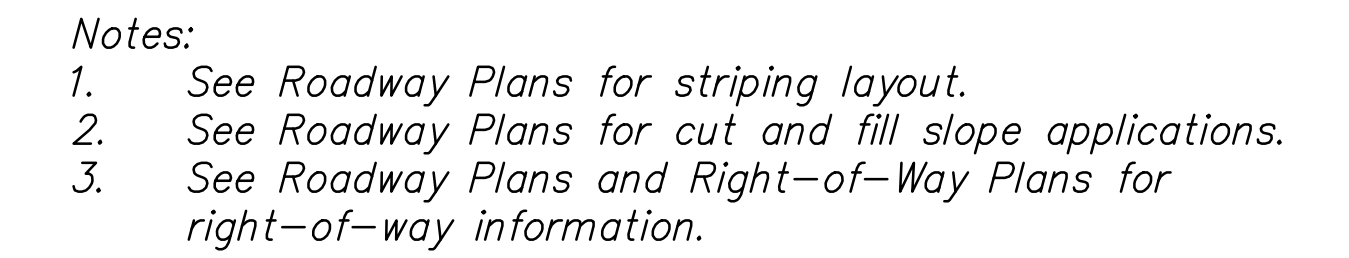


PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85710 (520) 292-2000 (520) 292-2000 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.

CITY OF TUCSON

DRAFT
30% Plans
NOT FOR
CONSTRUCTION

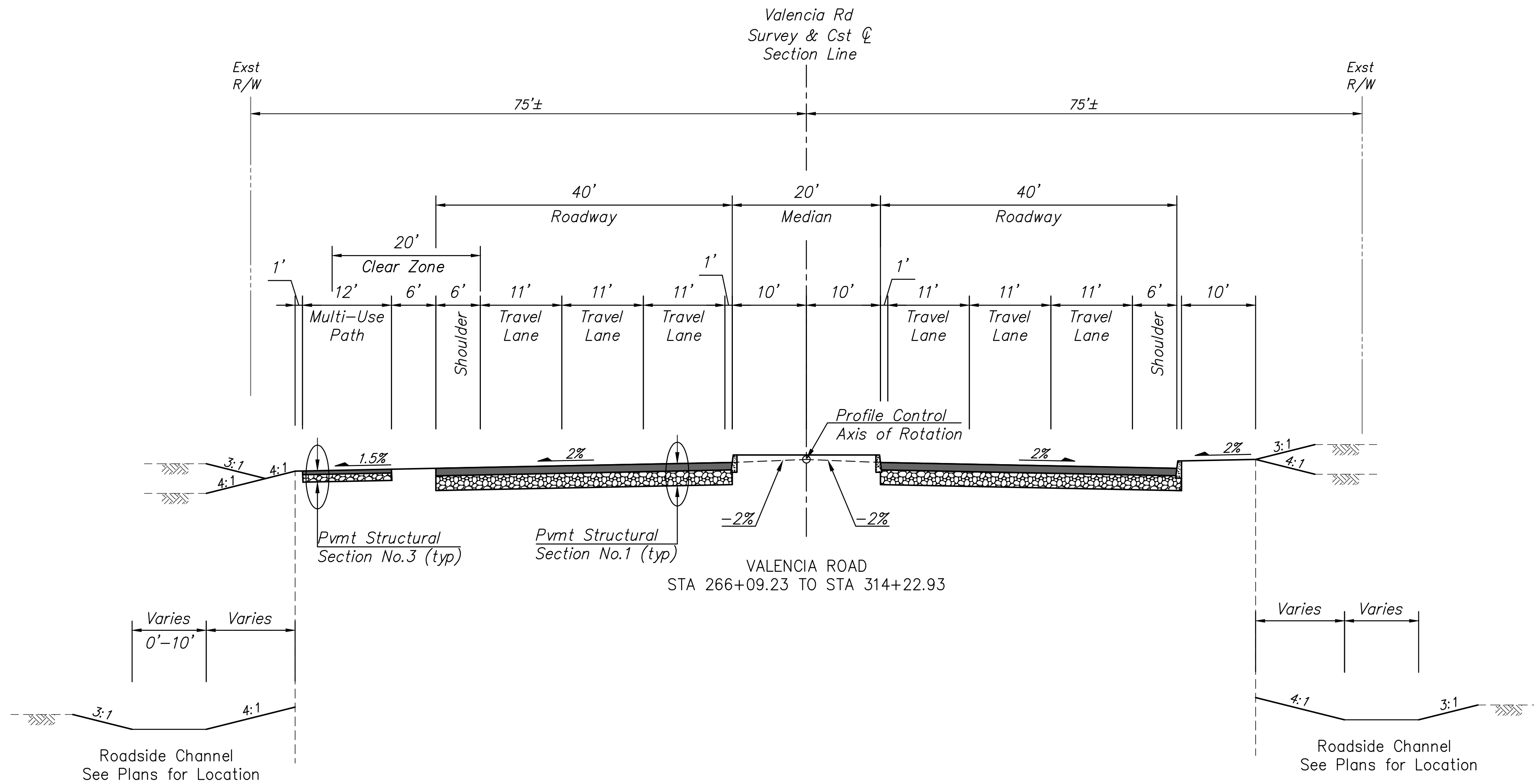
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION					
VALENCIA ROAD KOLB RD TO HOUGHTON RD Typical Section Sheets					TY01 OF TY03
APPROVALS		SIGNATORY	DATE	APPROVED _____20__ TRANSPORTATION DIRECTOR	5 OF 65
			REF. _____	SCALE: _____	
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT 11/20	PLAN NO I-2020-021		



DRAFT



<div><div>PSOMAS</div><div><div>333 E. Wetmore Blvd, Suite 450 Tucson, AZ 85705 (520) 292-2300 (520) 292-1290 fax www.psomas.com</div></div></div>						<div><div><div>CITY OF TUCSON</div></div></div>		DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION										TY02 OF TY02	
								VALENCIA ROAD KOLB RD TO HOUGHTON RD Typical Section Sheets											
<div>DRAFT 30% Plans NOT FOR CONSTRUCTION</div>						APPROVALS				SIGNATORY				DATE		APPROVED _____20____		6	
																		OF	
																TRANSPORTATION DIRECTOR		65	
NO. DATE REVISION BY CHKD. APPR.						DRWN. BY EB/CM 11/20				DSGN. BY EB/CZ 11/20				CHKD. BY KT 11/20		REF. _____SCALE: _____			
PLAN NO. I-2020-021																			

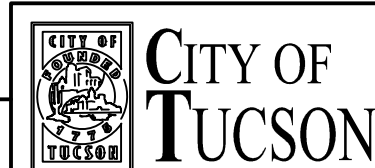


- Notes:
1. See Roadway Plans for striping layout.
 2. See Roadway Plans for cut and fill slope applications.
 3. See Roadway Plans and Right-of-Way Plans for right-of-way information.

DRAFT



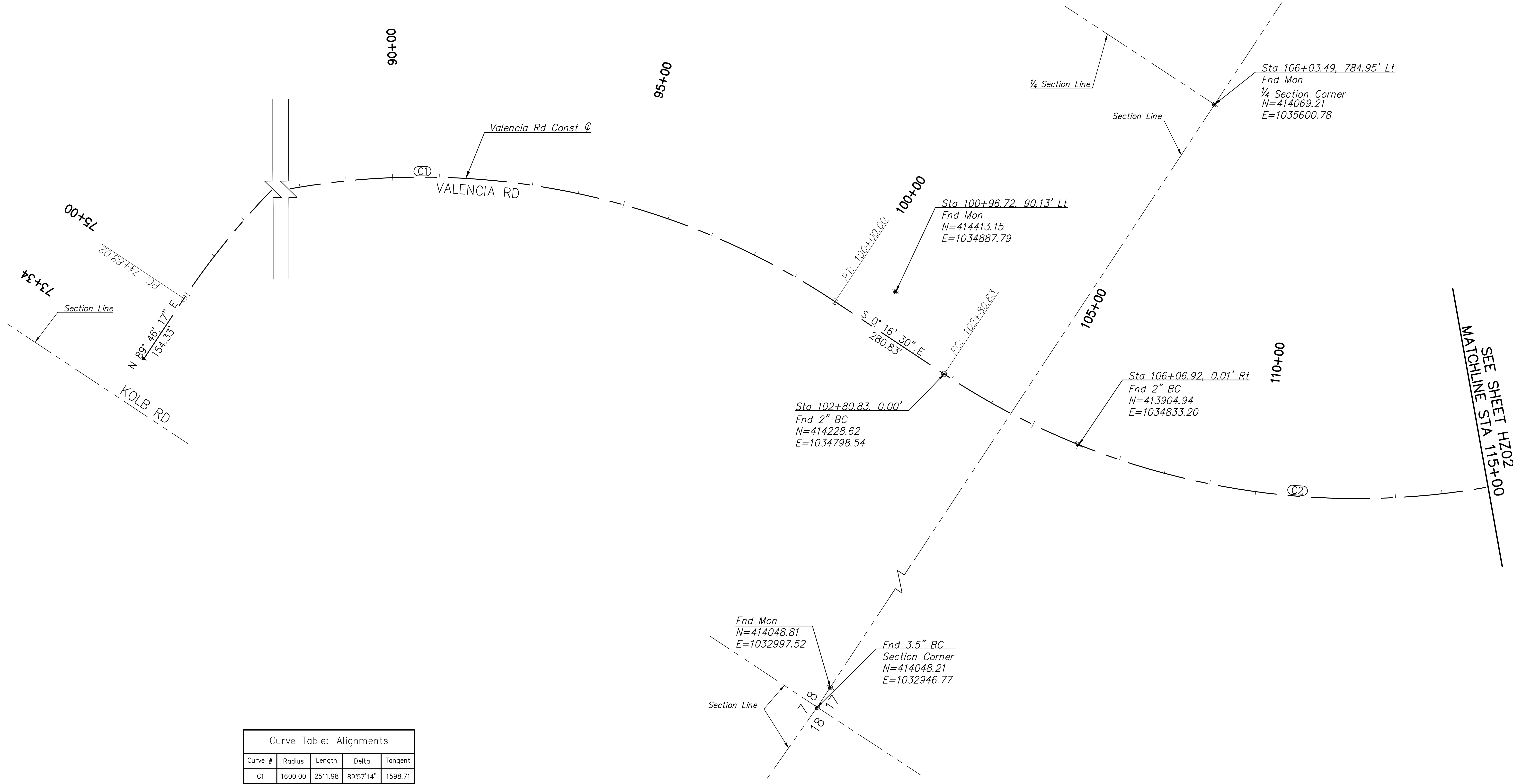
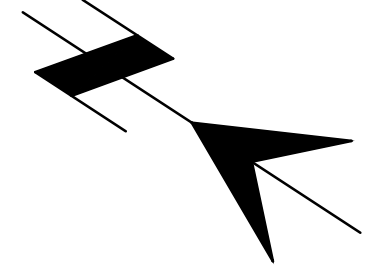
PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85710 (520) 292-2300 (520) 292-2300 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.



**CITY OF
TUCSON**

**DRAFT
30% Plans
NOT FOR
CONSTRUCTION**

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION					
VALENCIA ROAD KOLB RD TO HOUGHTON RD Typical Section Sheets					TY03 OF TY03
APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__	7	
				OF	
			TRANSPORTATION DIRECTOR	65	
			REF. _____	SCALE: _____	
			DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT 11/20
PLAN NO. I-2020-021					



Curve Table: Alignments				
Curve #	Radius	Length	Delta	Tangent
C1	1600.00	2511.98	89°57'14"	1598.71
C2	1600.00	1616.61	57°53'26"	884.90

DRAFT

L:\71515(2020)\TRANSP\SHEETS\03-Horizontal Control\03-HZ01.dwg HZ01 Last Saved: Fri, 20 Nov 2020 12:25:46 PM Plotted: Friday, November 20, 2020 12:25:46 PM

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

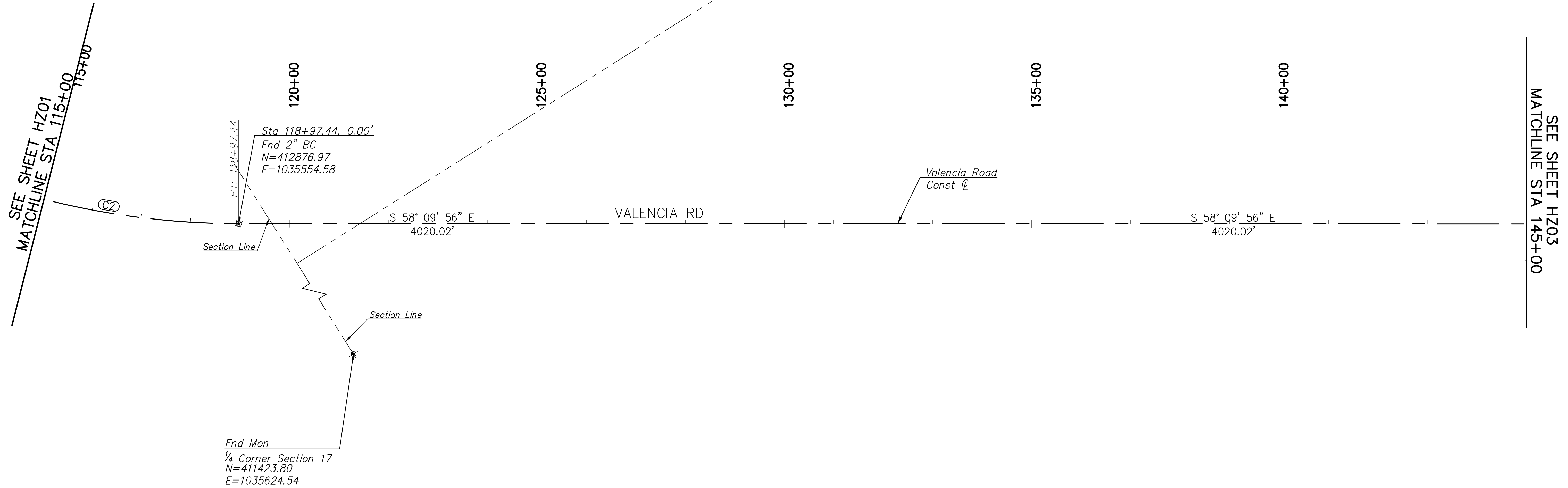
Call 811 or click Arizona811.com

PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85710 (520) 292-2300 (520) 292-1290 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.

CITY OF
TUCSON

DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Horizontal Control Sheets				HZ01 OF HZ08
APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__	8
				OF
			TRANSPORTATION DIRECTOR	65
			REF. _____ SCALE: _____	
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT 11/20	PLAN NO. I-2020-021	



Curve Table: Alignments				
Curve #	Radius	Length	Delta	Tangent
C2	1600.00	1616.61	57°53'26"	884.90

DRAFT

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


Call 811 or click Arizona811.com

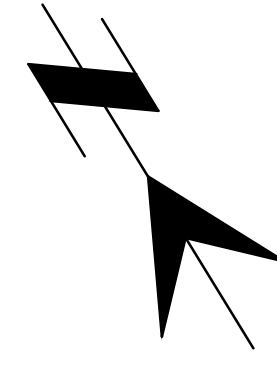
PSOMAS					
<small>333 E. Wetmore Road, Suite 450 Tucson, AZ 85710 (520) 292-2300 (520) 292-2300 fax www.psomas.com</small>					
NO.	DATE	REVISION	BY	CHKD.	APPR.



CITY OF
TUCSON

DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Horizontal Control Sheets				HZ02 OF HZ08
APPROVALS	SIGNATORY	DATE	APPROVED _____20__	9
			TRANSPORTATION DIRECTOR	OF
			REF. _____	65
			SCALE: _____	
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT 11/20	PLAN NO. I-2020-021	



Fnd Mon
Section Corner
N=414090.30
E=1038243.95

17 16

PANTANO RD

Sta 149+56.07, 215.11' Lt
Fnd Mon
1/4 Section Corner
N=411446.40
E=1038266.58

Sta 150+92.25, 0.00' Rt
Fnd 2" BC
N=411191.82
E=1038268.81

S 58° 09' 56" E
4020.02'

PC: 159+17.47

Valencia Const C

Sta 159+17.47, 0.00'
Fnd 2" BC
N=410756.54
E=1038969.89

165+00

VALENCIA RD

S 29° 10' 03" E
581.89'

PC: 173+21.35

Sta 173+10.36, 76.81' Rt
Fnd 2" BC
N=409632.32
E=1039742.57

MATCHLINE STA 175+00
SEE SHEET HZ04

Sta 173+23.85, 1750.48' Rt
Fnd 2" BC
Section Corner
N=408802.50
E=1038289.02

17 16

Curve Table: Alignments				
Curve #	Radius	Length	Delta	Tangent
C3	1624.13	821.99	28°59'53"	420.00
C4	1616.85	1732.31	61°23'14"	959.77

DRAFT



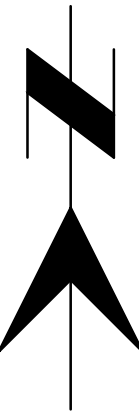
L:\715152020\TRANSP\SHETS\03-Horizontal Control\03-HZ03.dwg HZ03 Lst Saved: Fri, 20 Nov 2020 12:25:55 PM Plotted: Friday, November 20, 2020 12:25:55 PM

PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85710 (520) 292-2300 (520) 292-1200 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.

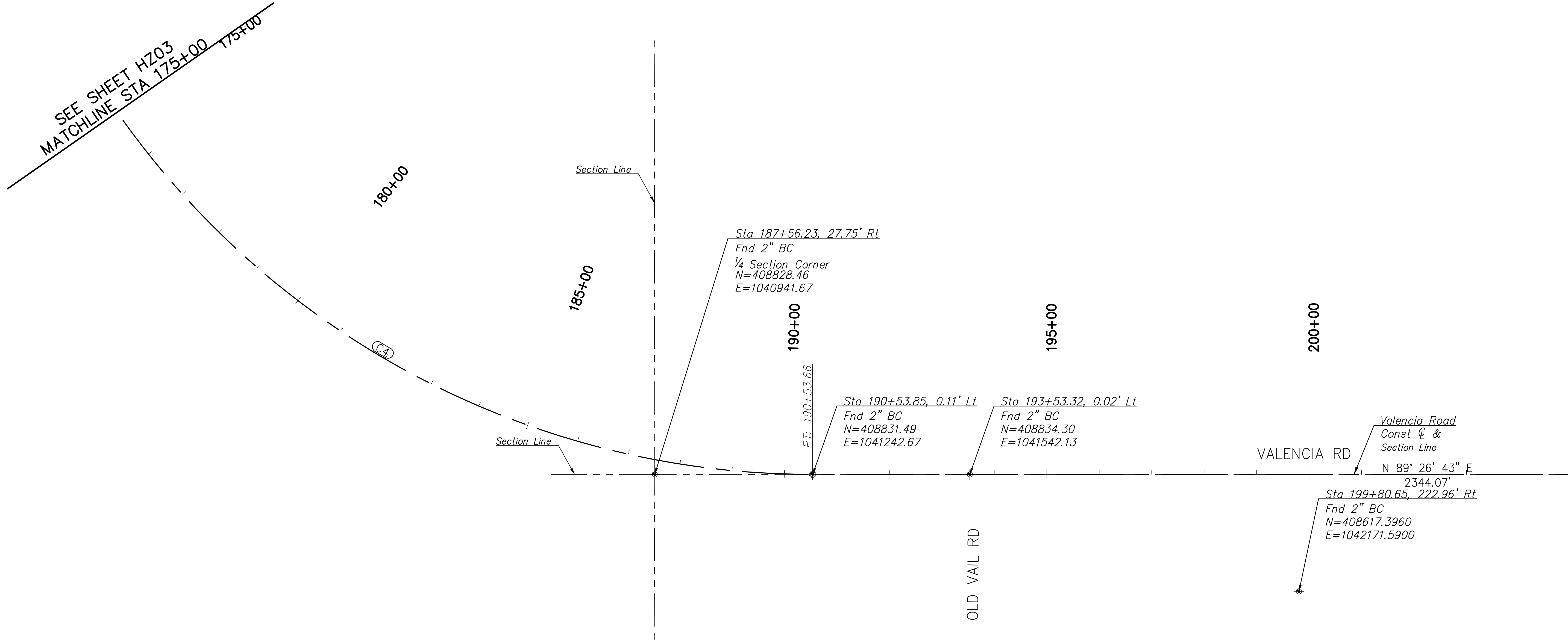
CITY OF
TUCSON

DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Horizontal Control Sheets				HZ03 OF HZ08
APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__	10
				OF
			TRANSPORTATION DIRECTOR	65
			REF. _____	SCALE: _____
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT 11/20	PLAN NO. I-2020-021	



SEE SHEET HZ03
MATCHLINE STA 175+00




Curve Table: Alignments				
Curve #	Radius	Length	Delta	Tangent
C4	1616.85	1732.31	61°23'14"	959.77

DRAFT



I:\7151512020\TRANSP\SHEETS\03-Horizontal Control\03-HZ04.dwg HZ04 Last Saved: Fri, 20 Nov 2020 12:26:00 PM Plotted: Friday, November 20, 2020 12:26:00 PM

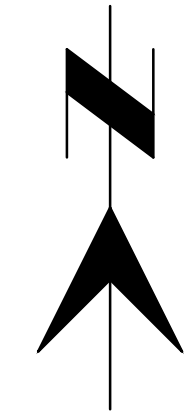
PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85710 (520) 292-2300 (520) 292-2300 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.



**CITY OF
TUCSON**

**DRAFT
30% Plans
NOT FOR
CONSTRUCTION**

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Horizontal Control Sheets				HZ04 OF HZ08
APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__	11
				OF
			TRANSPORTATION DIRECTOR	65
			REF. _____ SCALE: _____	
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT 11/20	PLAN NO. I-2020-021	



SEE SHEET HZ04
MATCHLINE STA 205+00

210+00

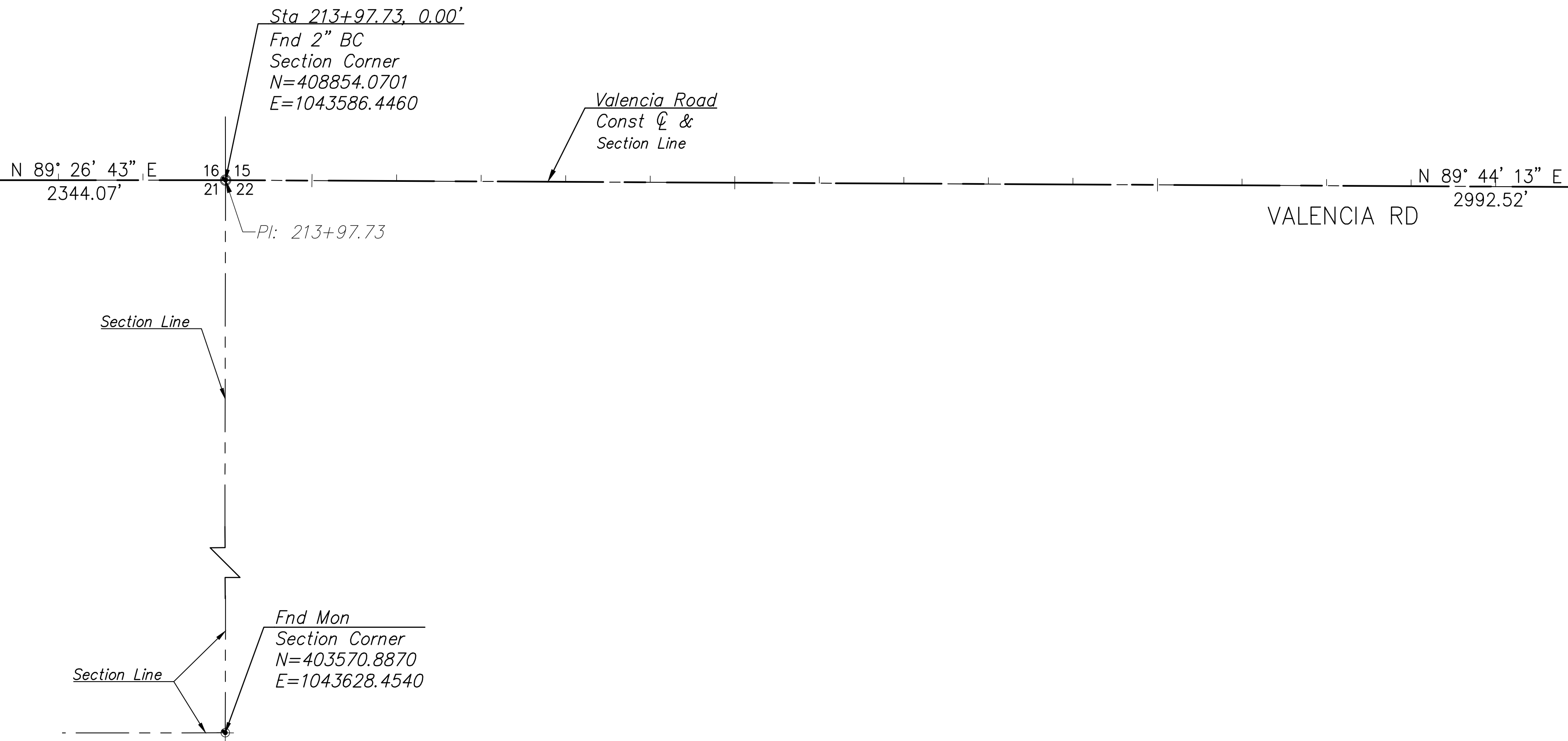
215+00

220+00

225+00

230+00

SEE SHEET HZ06
MATCHLINE STA 235+00



DRAFT

I:\71515020\TRANSP\SHETS\03-Horizontal Control\03-HZ05.dwg HZ05 Plot Date: Friday, November 20, 2020 12:26:04 PM Plotted By: Elizabeth.bornes

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


Call 811 or click Arizona811.com

P S O M A S					
<small>333 E. Wetmore Road, Suite 450 Tucson, AZ 85710 (520) 292-2300 (520) 292-1290 fax www.psomas.com</small>					
NO.	DATE	REVISION	BY	CHKD.	APPR.

**CITY OF
TUCSON**

**DRAFT
30% Plans
NOT FOR
CONSTRUCTION**

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Horizontal Control Sheets				HZ05 OF HZ08
APPROVALS	SIGNATORY	DATE	APPROVED _____20__	12
				OF
			TRANSPORTATION DIRECTOR	65
			REF. _____	SCALE:
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT 11/20	PLAN NO. I-2020-021	

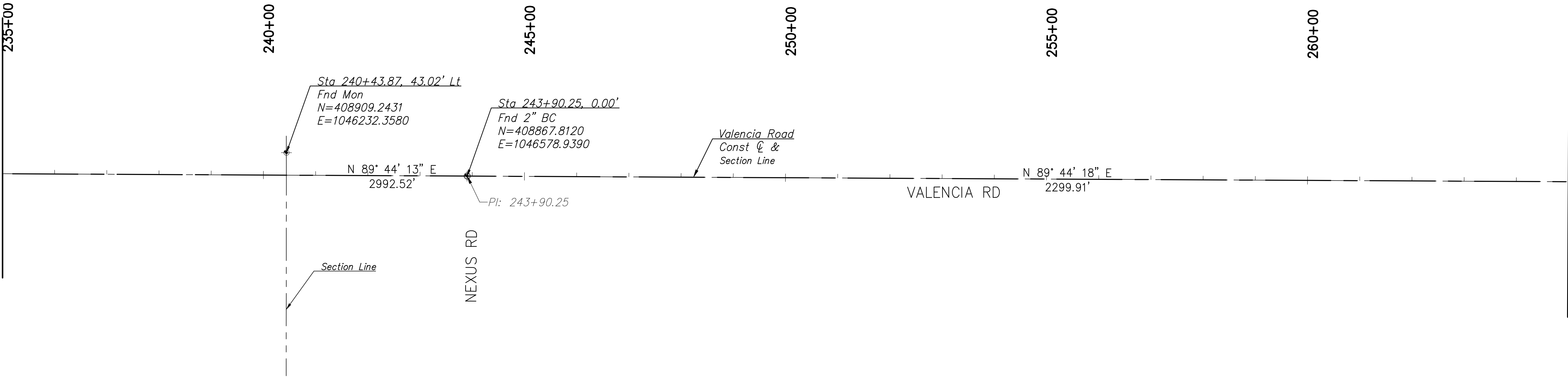
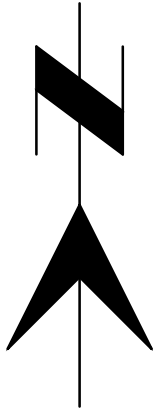
I:\7151512020\TRANSP\SHEETS\03-Horizontal Control\03-HZ06.dwg HZ06 Lst Saved: Fri, 20 Nov 2020 12:26:09 PM Plotted: Friday, November 20, 2020 12:26:09 PM



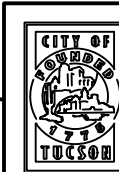
DRAFT

SEE SHEET HZ05
MATCHLINE STA 235+00

SEE SHEET HZ07
MATCHLINE STA 265+00



P S O M A S					
<small>333 E. Wetmore Road, Suite 450 Tucson, AZ 85710 (520) 292-2300 (520) 292-1290 fax www.psomus.com</small>					
NO.	DATE	REVISION	BY	CHKD.	APPR.



**CITY OF
TUCSON**

**DRAFT
30% Plans
NOT FOR
CONSTRUCTION**

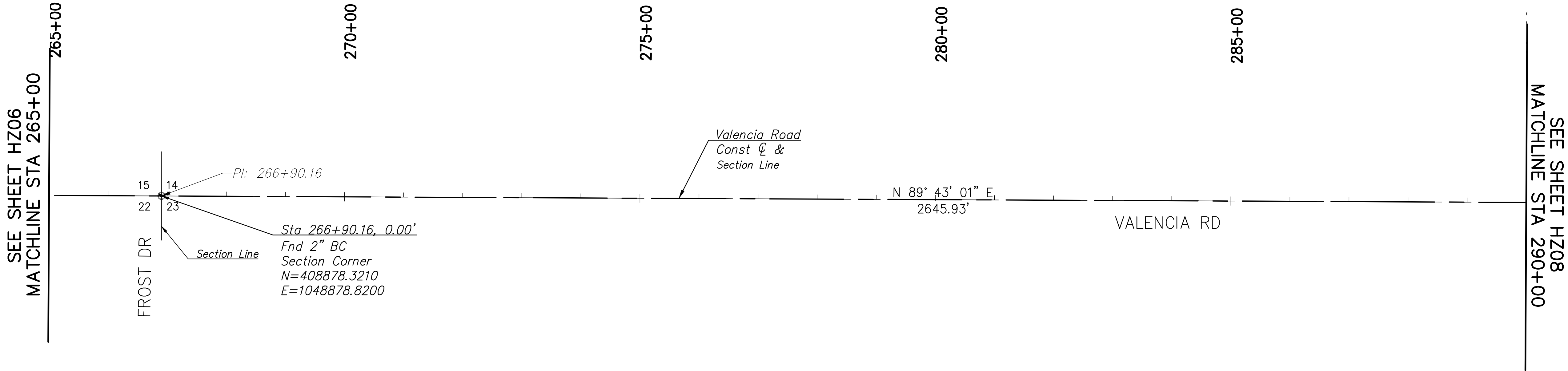
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Horizontal Control Sheets				HZ06 OF HZ08
APPROVALS	SIGNATORY	DATE	APPROVED _____20__	13
				OF
			TRANSPORTATION DIRECTOR	65
			REF. _____	SCALE:
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT 11/20	PLAN NO. I-2020-021	

I:\7151512020\TRANSP\SHEETS\03-Horizontal Control\03-HZ01-08.dwg HZ07 Lin. Saved: Fri, 20 Nov 2020 12:26:14 PM Plotted: Friday, November 20, 2020 12:26:14 PM

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


Call 811 or click Arizona811.com

DRAFT



P S O M A S					
<small>333 E. Wetmore Road, Suite 450 Tucson, AZ 85710 (520) 292-2300 (520) 292-1290 fax www.psomus.com</small>					
NO.	DATE	REVISION	BY	CHKD.	APPR.



CITY OF
TUCSON

DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Horizontal Control Sheets				HZ07 OF HZ08
APPROVALS	SIGNATORY	DATE	APPROVED _____20__	14
			TRANSPORTATION DIRECTOR	OF
			REF. _____	65
			SCALE: _____	
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT 11/20	PLAN NO. I-2020-021	

I:\715151020\TRANSP\SHEETS\03-Horizontal Control\03-HZ08.dwg HZ08 Last Saved: Fri, 20 Nov 2020 12:26:19 PM Plotted: Friday, November 20, 2020 12:26:19 PM



DRAFT

SEE SHEET HZ07
MATCHLINE STA 290+00

Sta 293+36.09, 75.00' Lt
Fnd Mon
N=408966.3891
E=1051524.3466

Sta 293+36.09, 0.00'
Fnd Mon
1/4 Section Corner
N=408891.3900
E=1051524.7170

1/4 Section Line

PI: 293+36.09

295+00

300+00

305+00

310+00

315+00

Valencia Rd
Const \varnothing &
Section Line

N 89° 43' 20" E
2645.92'

Sta 309+22.97, 13.52' Rt
Fnd 2" BC
N=408885.57
E=1053111.65

VALENCIA RD

Sta 319+82.01, 0.00'
Fnd 2" BC
N=408904.2229
E=1054170.6082

Fnd 2" BC
Section Corner
N=406272.5880
E=1054194.1442

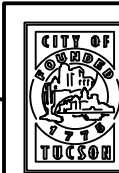
Section Line

PI: 319+82.01

HOUGHTON RD



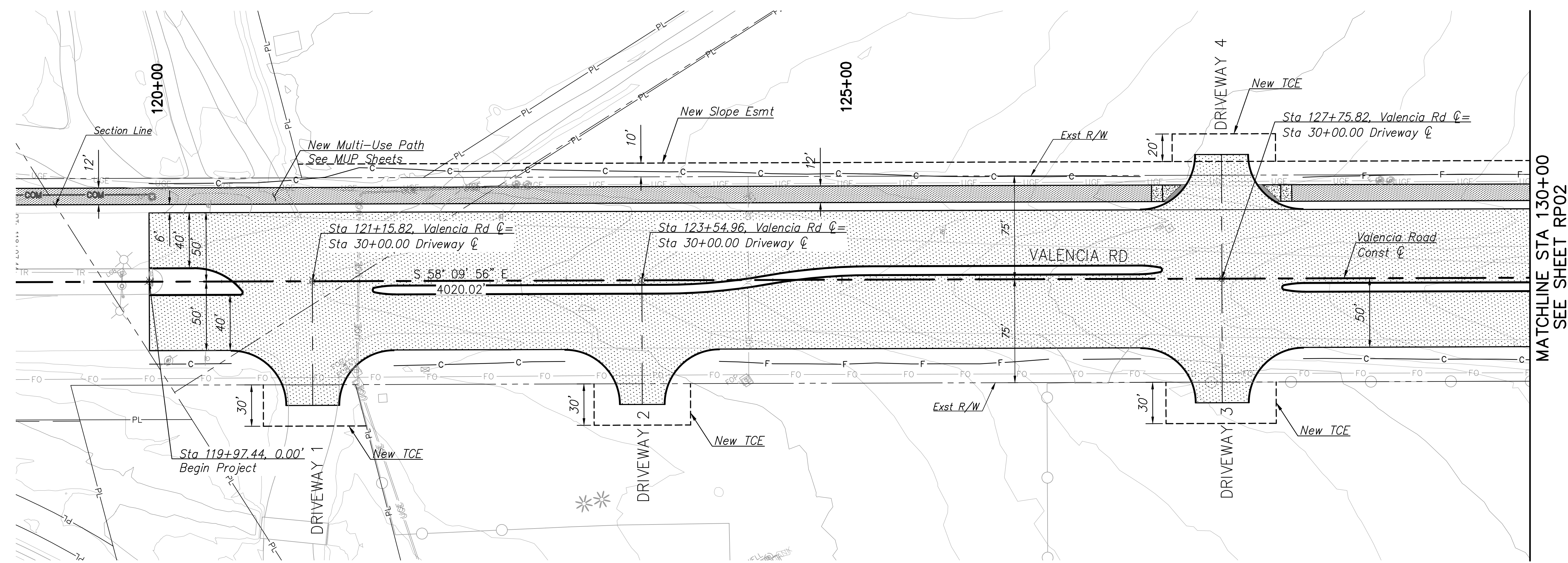
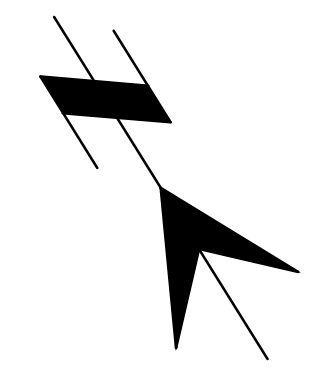
P S O M A S					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85710 (520) 292-2300 (520) 292-1290 fax www.psomaz.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.



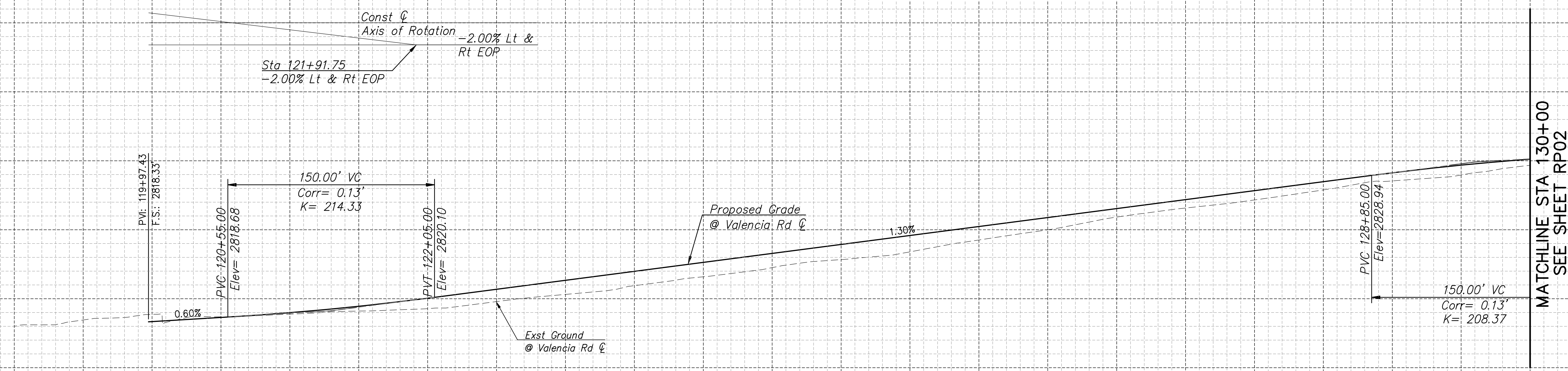
CITY OF
TUCSON

DRAFT
30% Plans
NOT FOR
CONSTRUCTION

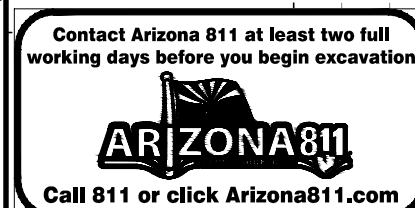
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Horizontal Control Sheets				HZ08 OF HZ08
APPROVALS	SIGNATORY	DATE	APPROVED _____20__	15 OF 65
			TRANSPORTATION DIRECTOR	
			REF. _____	
			SCALE: _____	
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT 11/20	PLAN NO. I-2020-021	




119+00 120+00 121+00 122+00 123+00 124+00 125+00 126+00 127+00 128+00 129+00 130+00



DRAFT



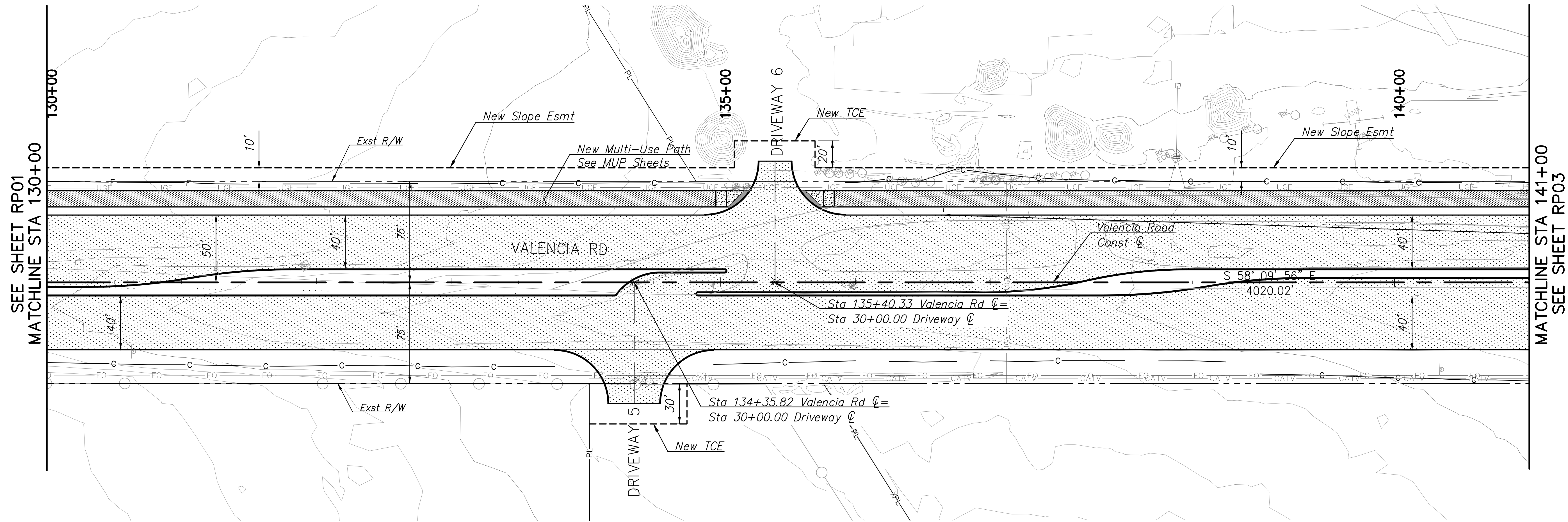
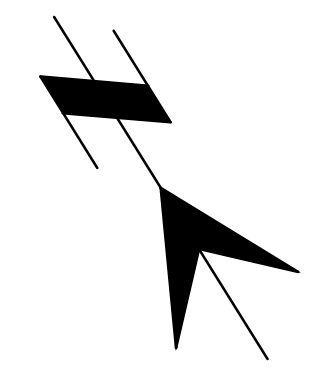
PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85705 (520) 292-2000 (520) 292-1200 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.



**CITY OF
TUCSON**

DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION						
VALENCIA ROAD KOLB RD TO HOUGHTON RD Roadway Plan & Profile Sheets						RP01 OF RP18
APPROVALS		SIGNATORY		DATE	APPROVED _____20__	16 OF 65
					TRANSPORTATION DIRECTOR	65
					REF. _____ SCALE: _____	
DRWN. BY EB/CM 11/20		DSGN. BY EB/CZ 11/20		CHKD. BY KT 11/20	PLAN NO. I-2020-021	



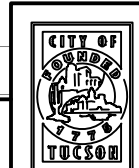
130+00 131+00 132+00 133+00 134+00 135+00 136+00 137+00 138+00 139+00 140+00 141+00



DRAFT



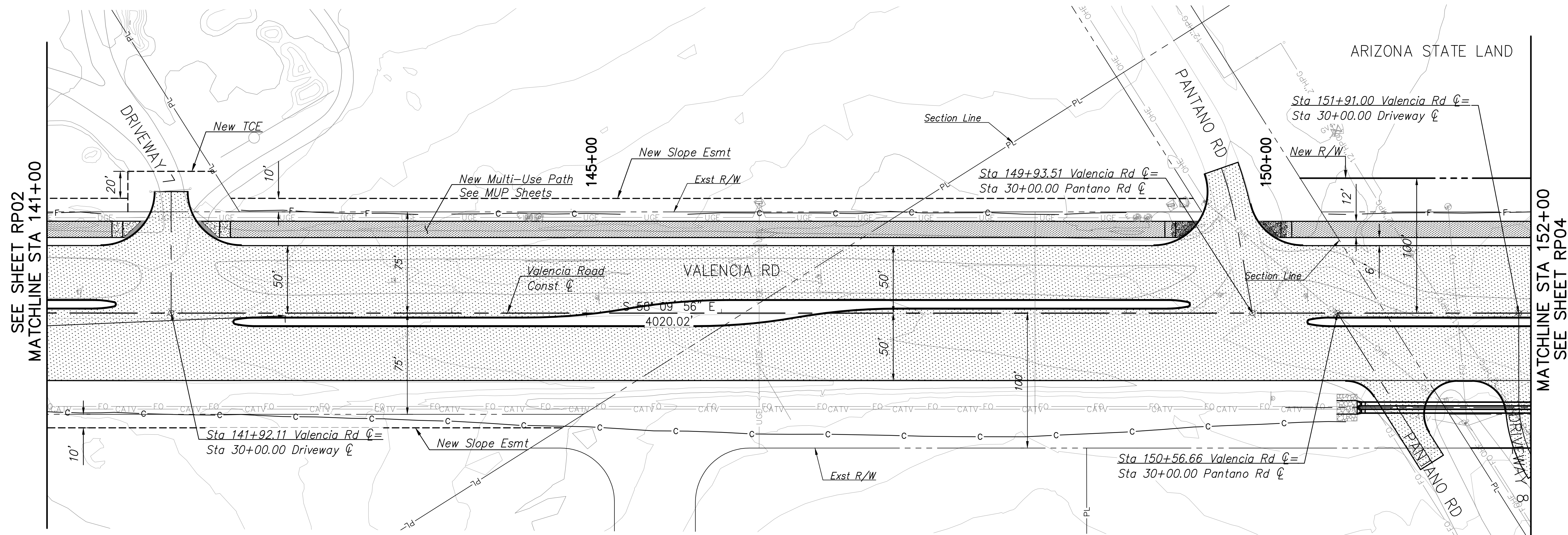
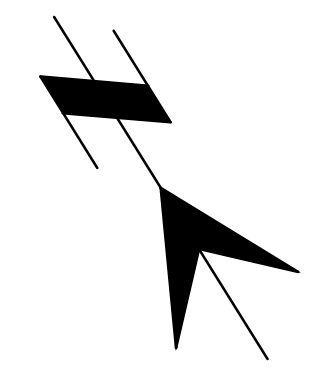
PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85710 (520) 292-2000 (520) 292-1200 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.



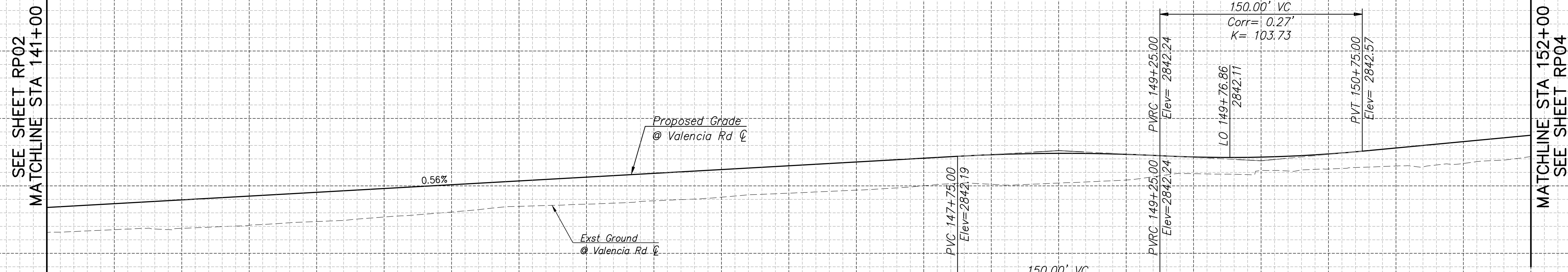
**CITY OF
TUCSON**

DRAFT
30% Plans
NOT FOR
CONSTRUCTION

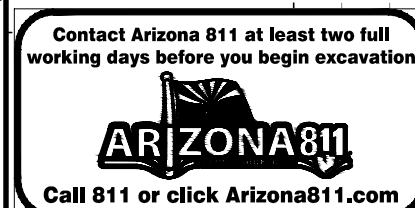
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION						
VALENCIA ROAD KOLB RD TO HOUGHTON RD Roadway Plan & Profile Sheets						RP02 OF RP18
APPROVALS		SIGNATORY		DATE	APPROVED _____20____ TRANSPORTATION DIRECTOR	17 OF 65
					REF. _____SCALE: _____	PLAN NO. I-2020-021
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT	11/20			



141+00 142+00 143+00 144+00 145+00 146+00 147+00 148+00 149+00 150+00 151+00 152+00



DRAFT



PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85710 (520) 292-2000 (520) 292-1200 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.

CITY OF TUCSON

DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Roadway Plan & Profile Sheets				RP03 OF RP18
APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__	18 OF 65
			TRANSPORTATION DIRECTOR	
			REF. _____	
			SCALE: _____	
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT 11/20	PLAN NO. I-2020-021	

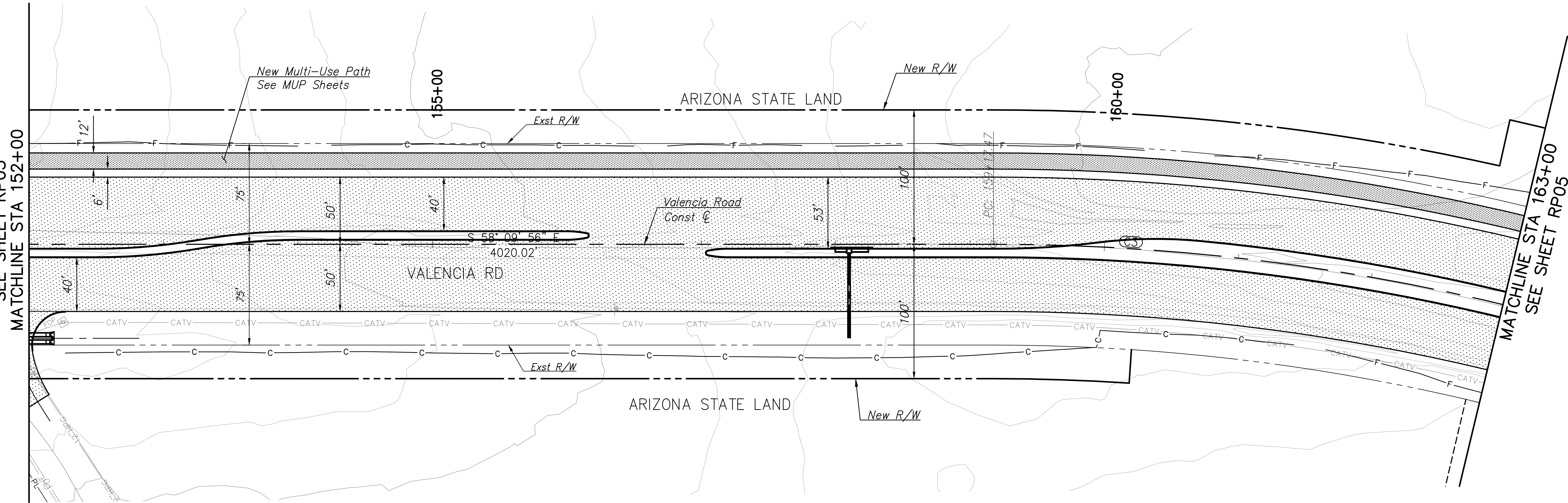
DRAFT



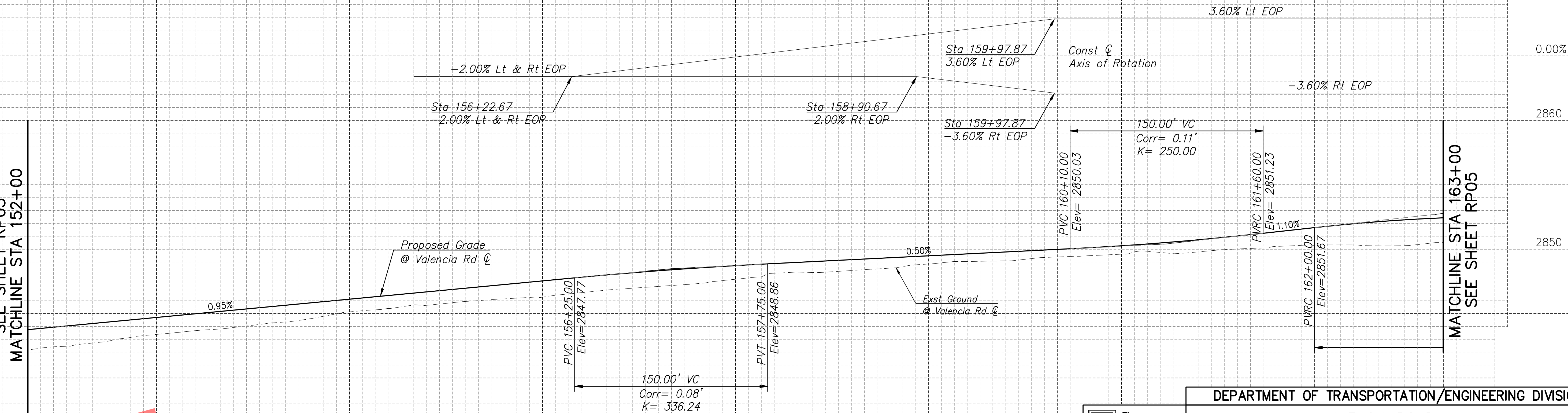
I:\71051020\TRANSP\PROJECTS\04-Roadway\Plan And Profile\VA-VA01RP03-08.dwg RP03- Last Saved: Fri, 20 Nov 2020 9:45:08 AM By: Elizabeth Barnes Plotted: Friday, November 20, 2020 10:30:48 AM

SEE SHEET RP03
MATCHLINE STA 152+00

152+00 153+00 154+00 155+00 156+00 157+00 158+00 159+00 160+00 161+00 162+00 163+00



Curve Table: Alignments				
Curve #	Radius	Length	Delta	Tangent
C3	1624.13	821.99	28°59'53"	420.00

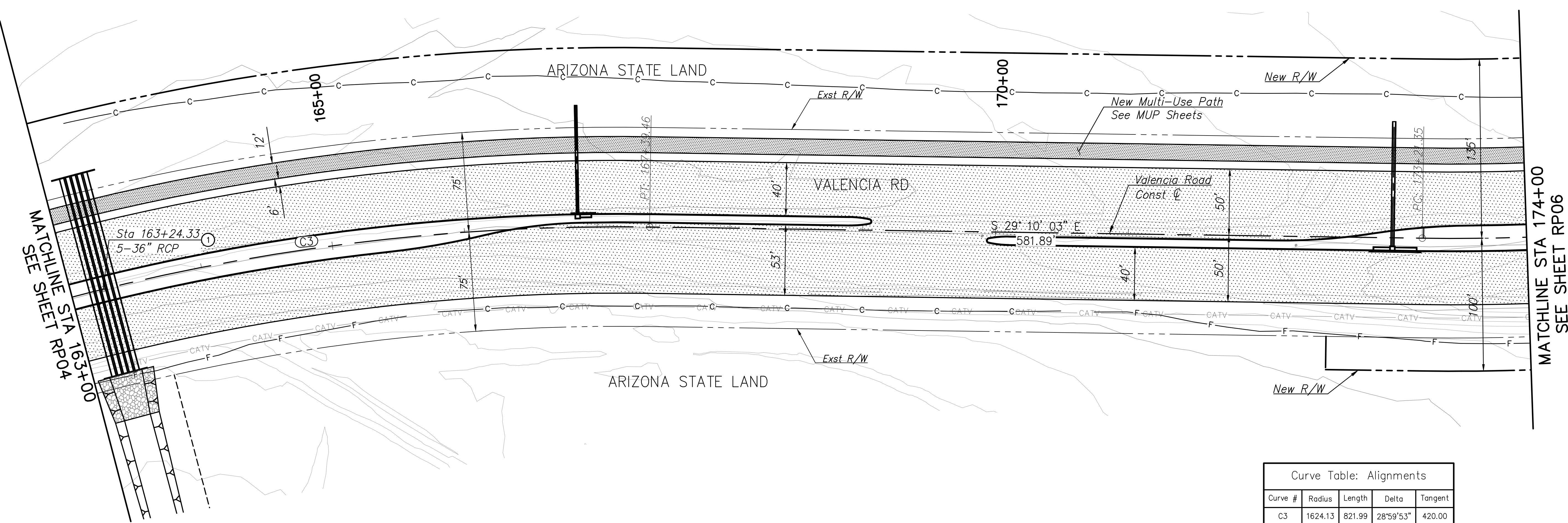
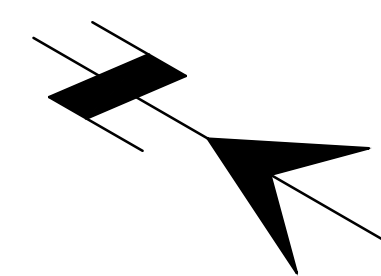


PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85705 (520) 292-2000 (520) 292-1200 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.

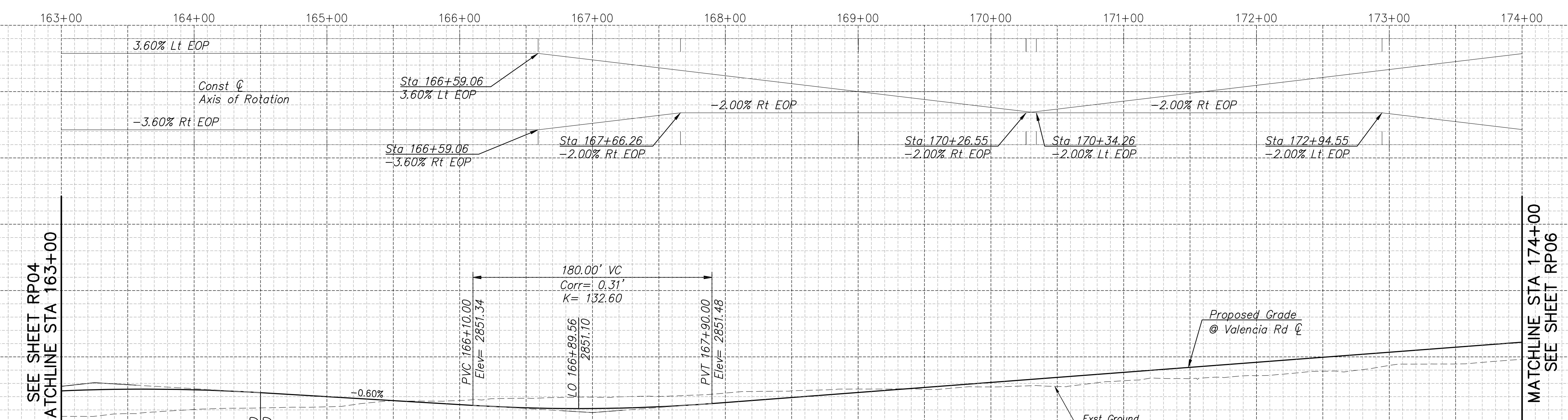
CITY OF TUCSON

DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Roadway Plan & Profile Sheets				RP04 OF RP18
APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__	19 OF 65
			TRANSPORTATION DIRECTOR	
			REF. _____ SCALE: _____	
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT 11/20	PLAN NO. I-2020-021	



Curve Table: Alignments				
Curve #	Radius	Length	Delta	Tangent
C3	1624.13	821.99	28°59'53"	420.00



DRAFT

Inv=2844.81'
250.00' VC
Corr= 0.53'
K= 147.06

PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85710 (520) 292-2300 (520) 292-1200 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.

CITY OF TUCSON

DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Roadway Plan & Profile Sheets				RP05 OF RP18
APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__	20 OF 65
			TRANSPORTATION DIRECTOR	
			REF. _____	
			SCALE: _____	
			PLAN NO. I-2020-021	

I:\71051020\1\TRANS\SHEETS\04-Roadway Plan And Profile\C-401\RP05-08.dwg RP05 Last Saved: Fri, 20 Nov 2020 9:45:17 AM Plotted: Friday, November 20, 2020 10:31:17 AM

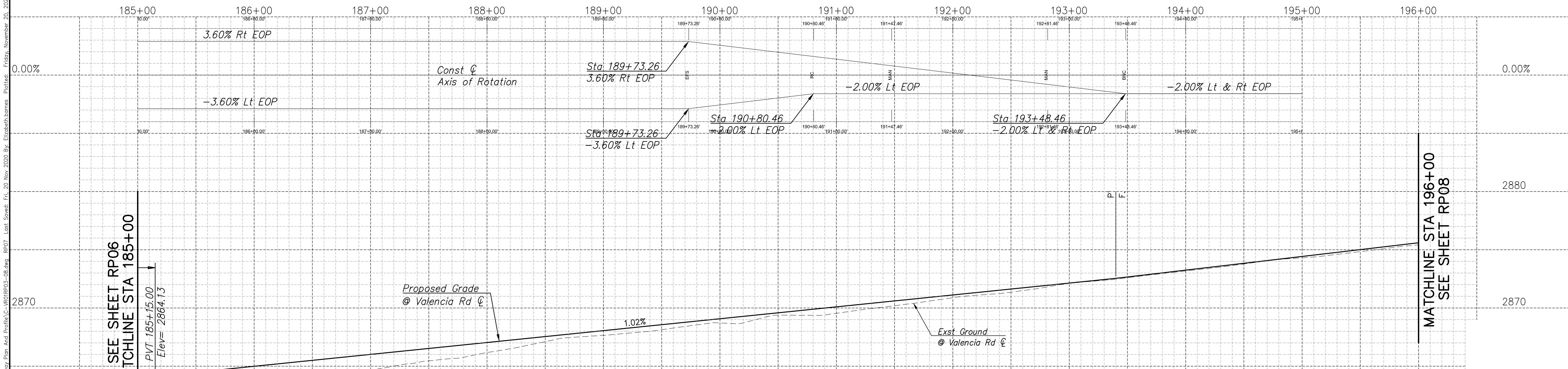
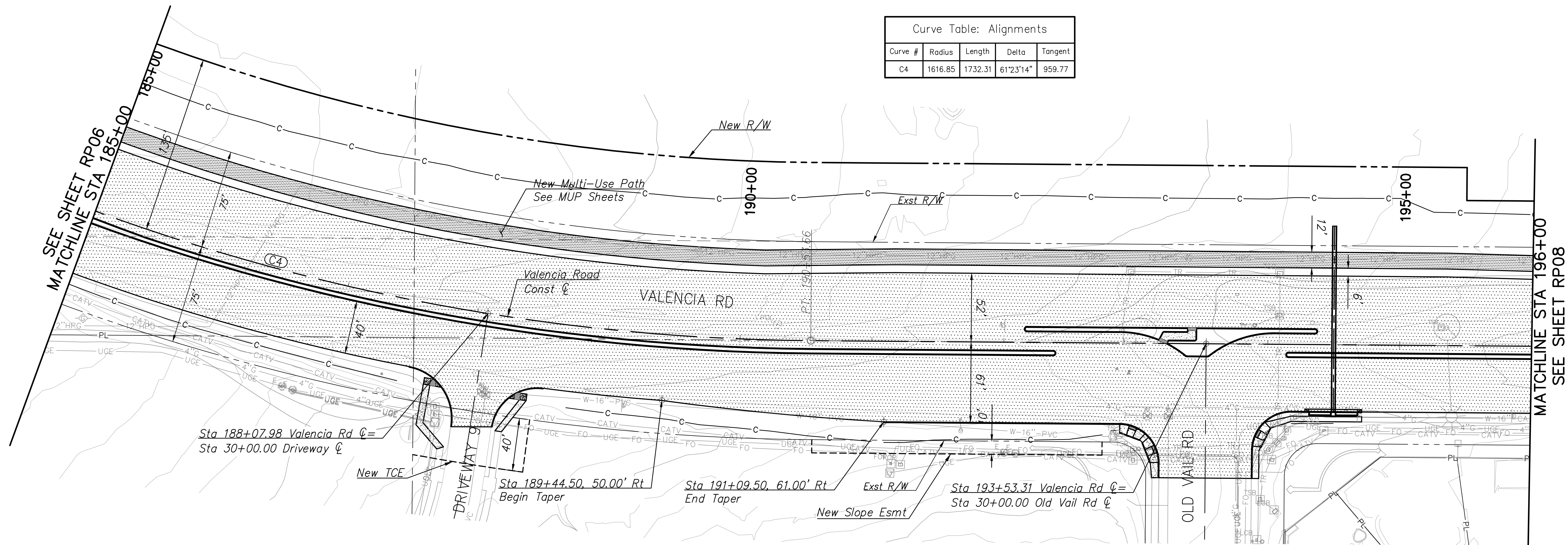
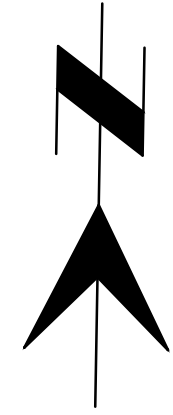
Contact Arizona 811 at least two full working days before you begin excavation

ARIZONA 811

Call 811 or click Arizona811.com

Curve Table: Alignments

Curve #	Radius	Length	Delta	Tangent
C4	1616.85	1732.31	61°23'14"	959.77



DRAFT

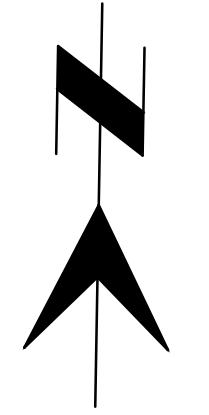


PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85705 (520) 292-2000 (520) 292-1200 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.

CITY OF TUCSON

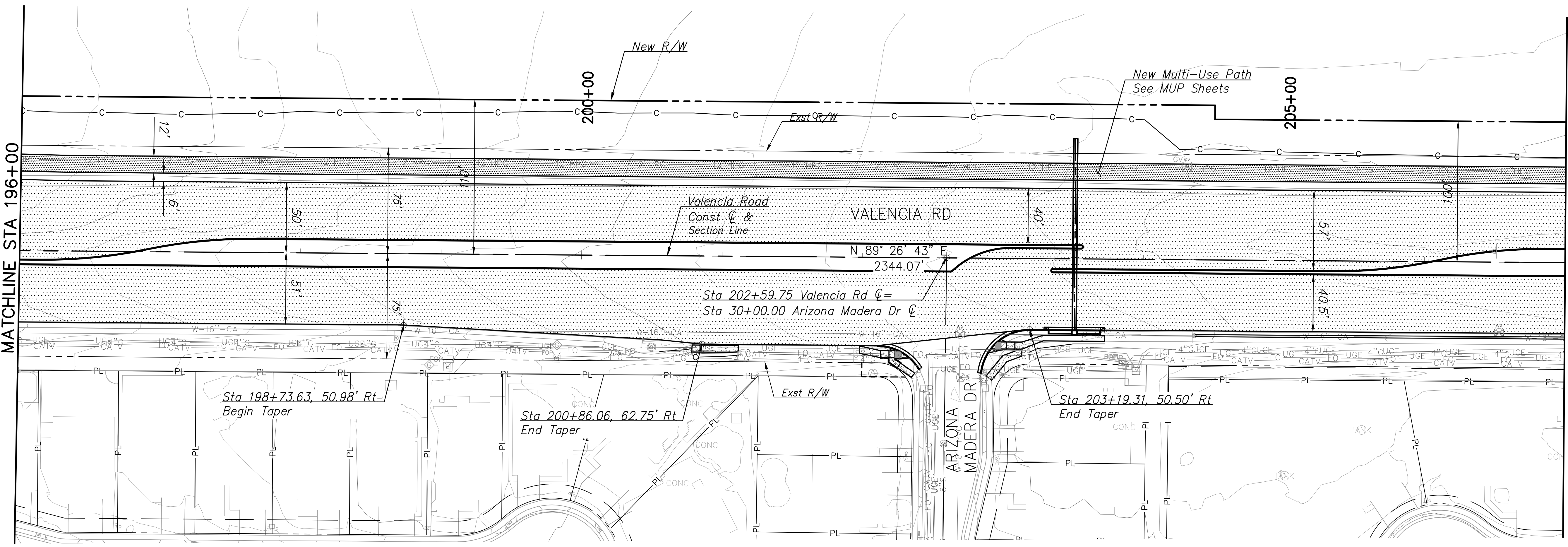
DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION					
VALENCIA ROAD KOLB RD TO HOUGHTON RD Roadway Plan & Profile Sheets					RP07 OF RP18
APPROVALS		SIGNATORY	DATE	APPROVED _____20__	22 OF 65
				TRANSPORTATION DIRECTOR	
				REF. _____	
				SCALE: _____	
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT	11/20	PLAN NO I-2020-021	



SEE SHEET RP07
MATCHLINE STA 196+00

MATCHLINE STA 207+00
SEE SHEET RP09

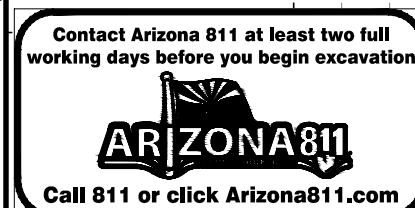


SEE SHEET RP07
MATCHLINE STA 196+00

MATCHLINE STA 207+00
SEE SHEET RP09

DRAFT

I:\71051020\TRANSP\PROJECTS\04-Roadway\Plan And Profile\VA-VA01RP08-08.dwg RP08 Last Saved: Fri, 20 Nov 2020 10:32:35 AM By: Elizabeth Barnes Plotted: Friday, November 20, 2020 10:32:35 AM

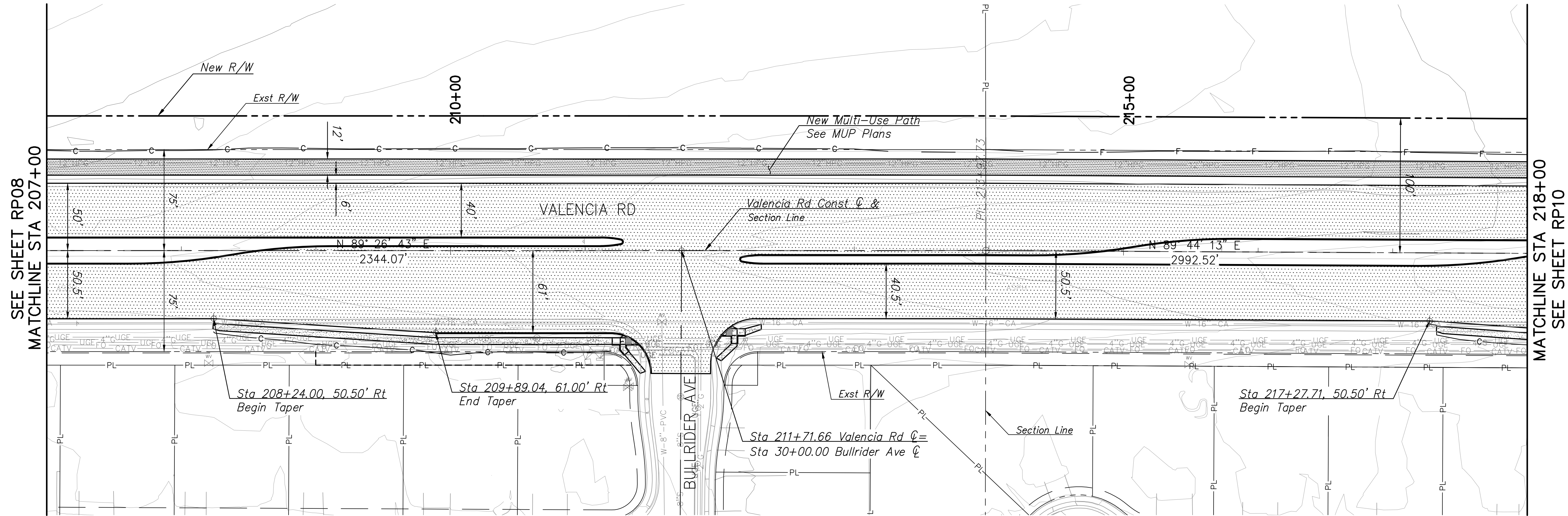
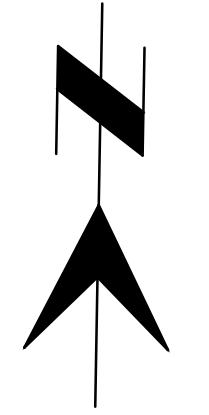


PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85710 (520) 292-2000 (520) 292-1200 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.

**CITY OF
TUCSON**

DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION					
VALENCIA ROAD KOLB RD TO HOUGHTON RD Roadway Plan & Profile Sheets					RP08 OF RP18
APPROVALS		SIGNATORY	DATE	APPROVED _____20__	23 OF 65
				TRANSPORTATION DIRECTOR	
				REF. _____	SCALE: _____
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT	11/20	PLAN NO I-2020-021	



207+00 208+00 209+00 210+00 211+00 212+00 213+00 214+00 215+00 216+00 217+00 218+00

SEE SHEET RP08
MATCHLINE STA 207+00

MATCHLINE STA 218+00
SEE SHEET RP10


2880 2890 2900

2890 2900

DRAFT



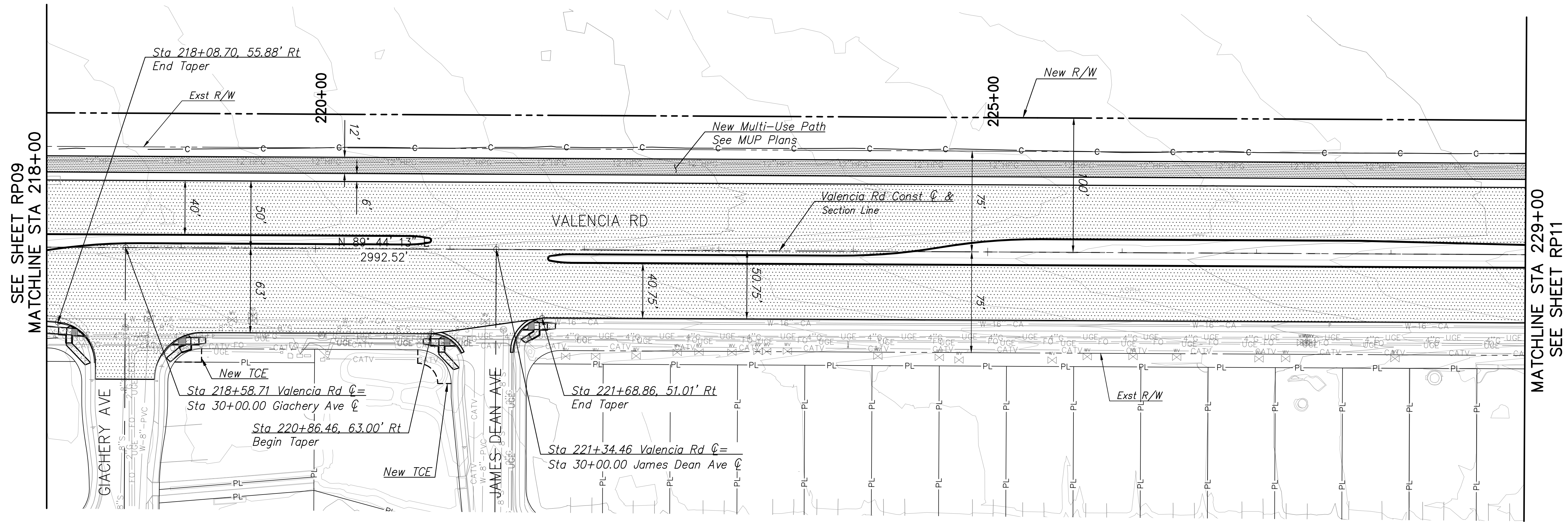
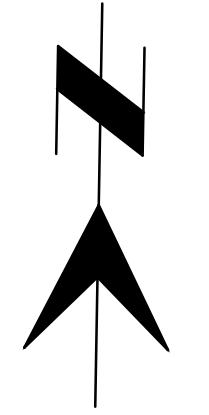
PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85705 (520) 292-2000 (520) 292-1200 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.



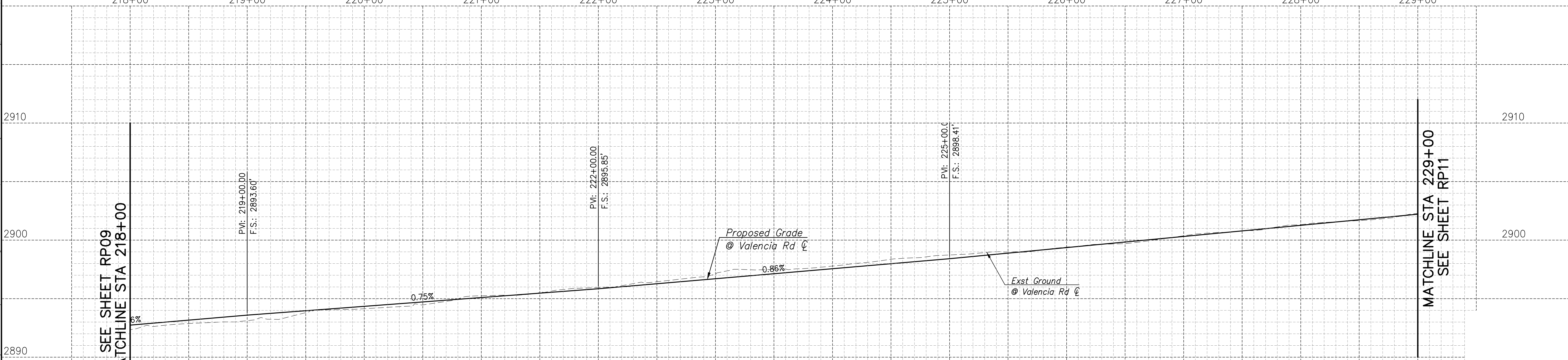
**CITY OF
TUCSON**

DRAFT
30% Plans
NOT FOR
CONSTRUCTION

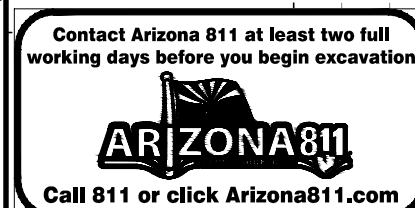
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Roadway Plan & Profile Sheets				RP09 OF RP18
APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__	24 OF 65
			TRANSPORTATION DIRECTOR	
REF. _____			SCALE: _____	PLAN NO. I-2020-021
DRWN. BY EB/CM 11/20			DSGN. BY EB/CZ 11/20	
CHKD. BY KT 11/20				



218+00 219+00 220+00 221+00 222+00 223+00 224+00 225+00 226+00 227+00 228+00 229+00



DRAFT

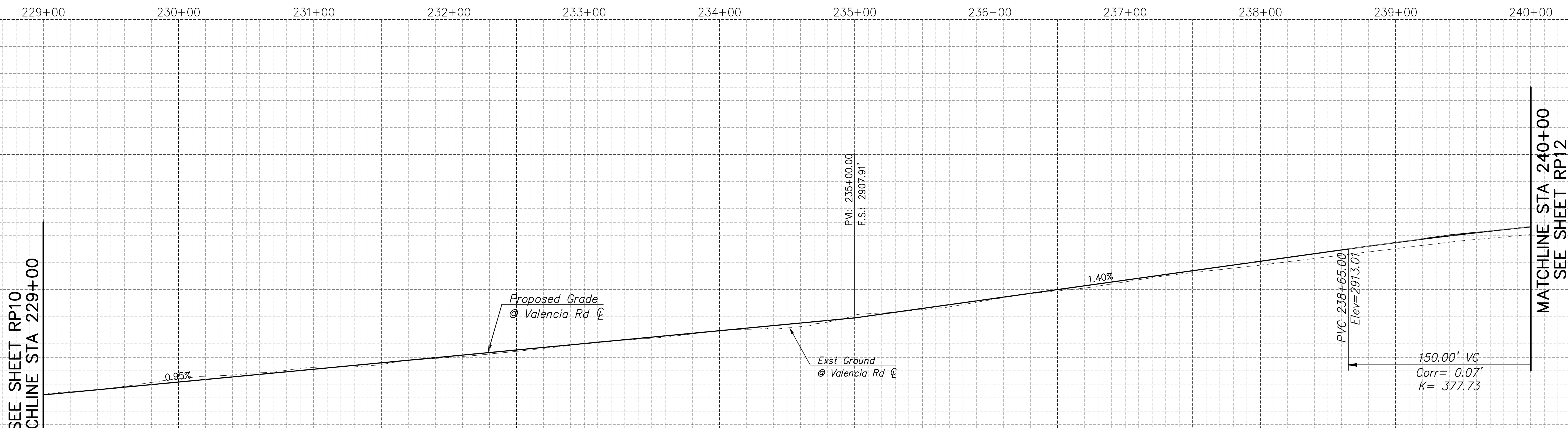
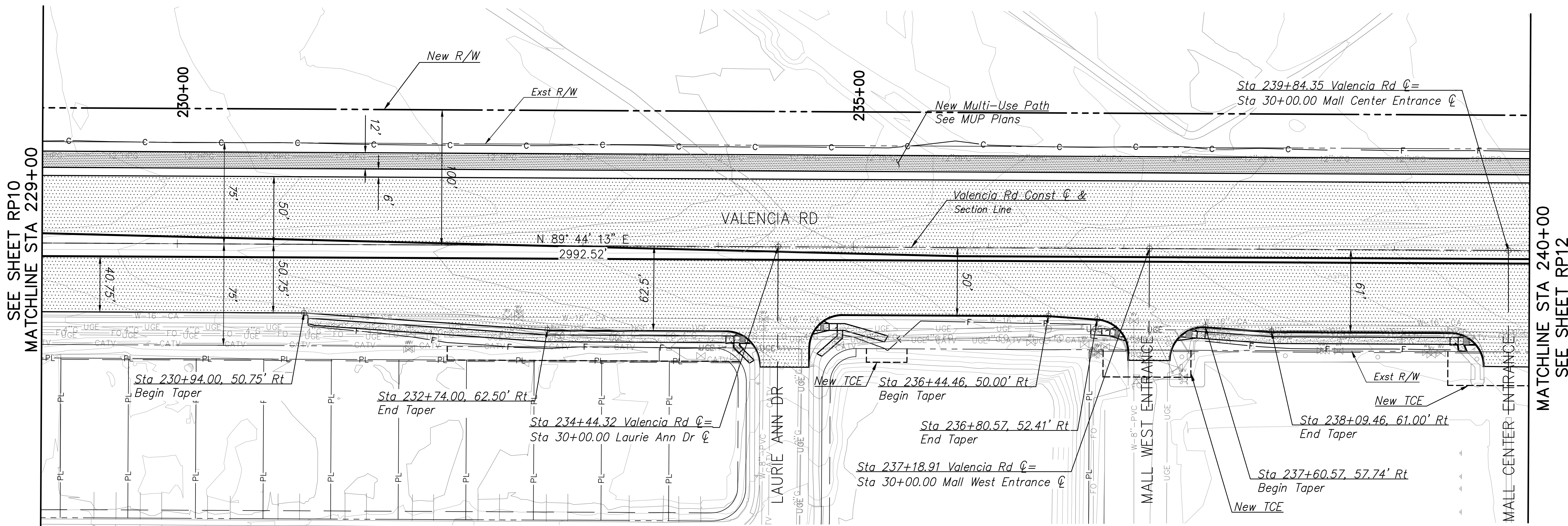
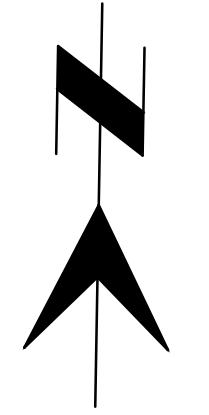


PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85705 (520) 292-2000 (520) 292-1200 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.

**CITY OF
TUCSON**

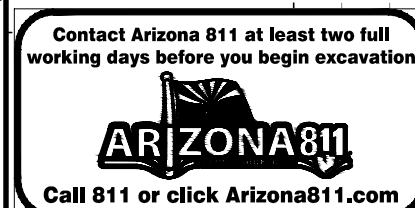
DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION					
VALENCIA ROAD KOLB RD TO HOUGHTON RD Roadway Plan & Profile Sheets					RP10 OF RP18
APPROVALS		SIGNATORY	DATE	APPROVED _____20__ TRANSPORTATION DIRECTOR	25 OF 65
			REF. _____	SCALE: _____	
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT 11/20	PLAN NO. I-2020-021		



DRAFT

I:\7105162021\TRANSP\PROJECTS\04-Roadway\Plan And Profile\04-Roadway\RP11 - Last Saved: Fri, 20 Nov 2020 10:35:17 AM
1:7105162021\TRANSP\PROJECTS\04-Roadway\Plan And Profile\04-Roadway\RP11 - Last Saved: Fri, 20 Nov 2020 10:35:17 AM



PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85705 (520) 296-2000 (520) 292-1200 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.

**CITY OF
TUCSON**

DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Roadway Plan & Profile Sheets				RP11 OF RP18
APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__	26 OF 65
			TRANSPORTATION DIRECTOR	
			REF. _____	
			SCALE: _____	
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT 11/20	PLAN NO. I-2020-021	

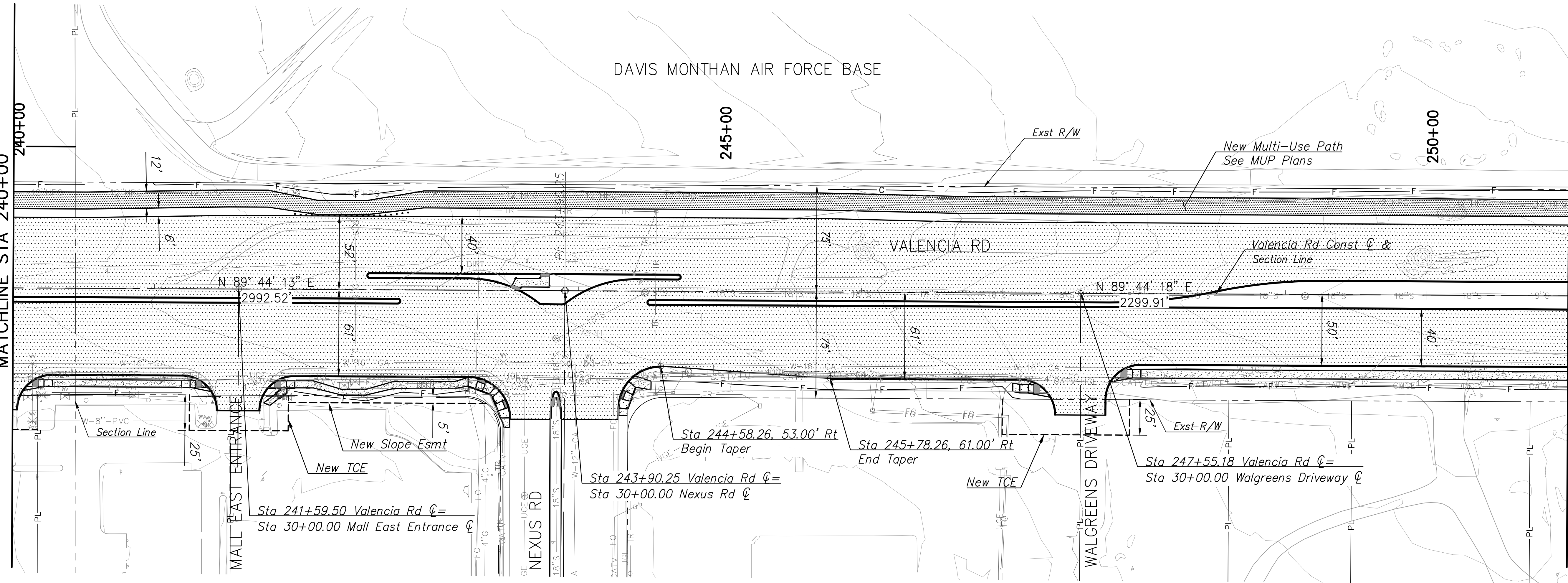
DAVIS MONTHAN AIR FORCE BASE

245+00

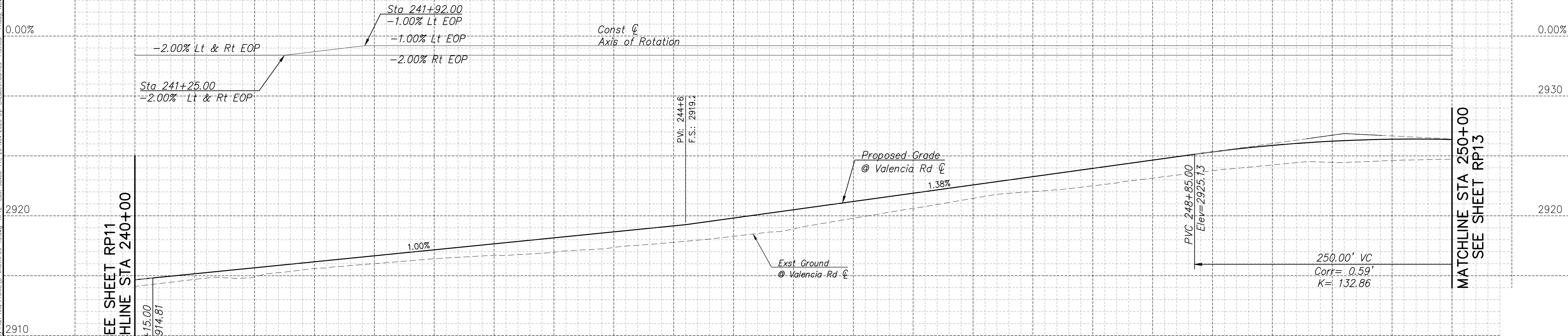
250+00

SEE SHEET RP11
MATCHLINE STA 240+00

MATCHLINE STA 251+00
SEE SHEET RP13



240+00 241+00 242+00 243+00 244+00 245+00 246+00 247+00 248+00 249+00 250+00 251+00



SEE SHEET RP11
MATCHLINE STA 240+00

MATCHLINE STA 250+00
SEE SHEET RP13

DRAFT



PSOMAS

333 E. Wetmore Road, Suite 450
Tucson, AZ 85710
(520) 292-2000 (520) 292-1200 fax
www.psomas.com



DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

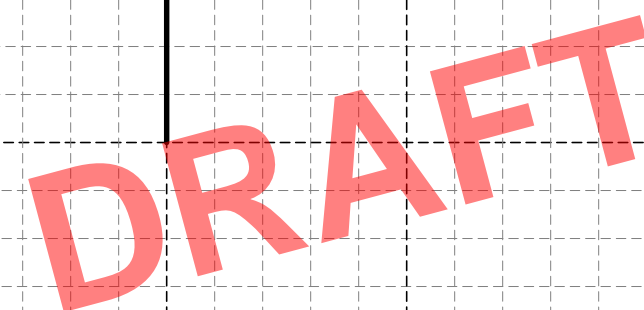
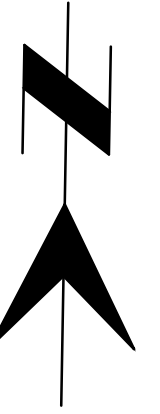
VALENCIA ROAD
KOLB RD TO HOUGHTON RD
Roadway Plan & Profile Sheets

RP12
OF
RP18

NO. DATE REVISION BY CHKD. APPR.

APPROVALS	SIGNATORY	DATE

APPROVED _____ 20__	27 OF 65
TRANSPORTATION DIRECTOR	
REF. _____	SCALE: _____
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20
CHKD. BY KT 11/20	PLAN NO. I-2020-021



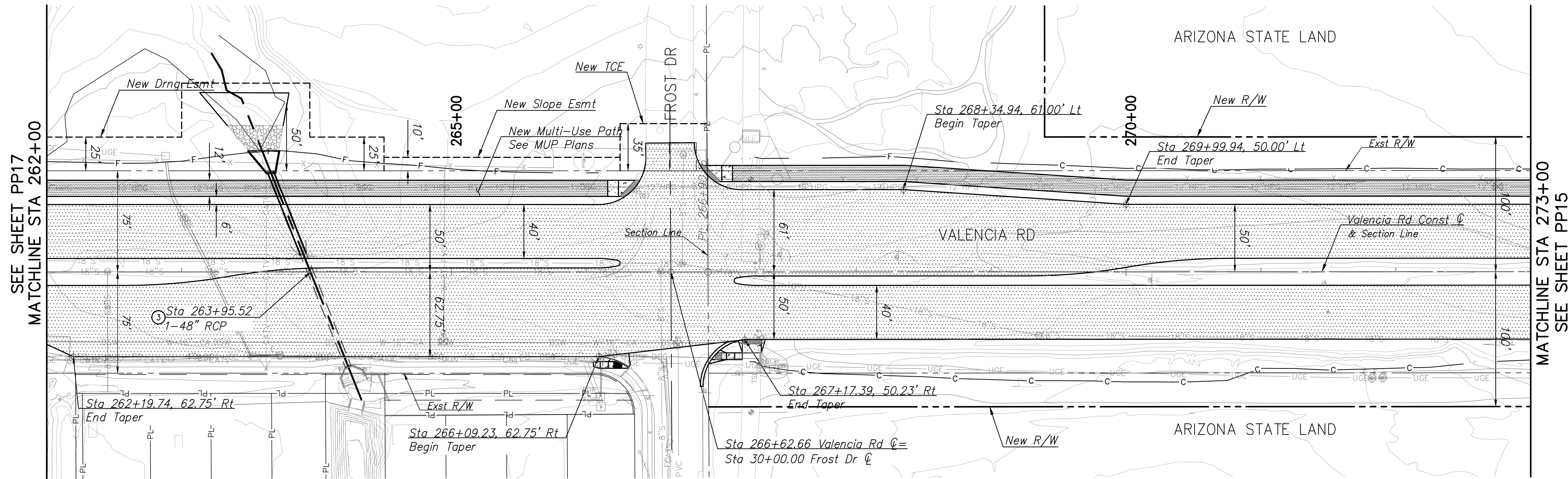
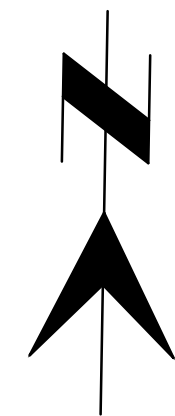
Contact Arizona 811 at least two full working days before you begin excavation

ARIZONA811

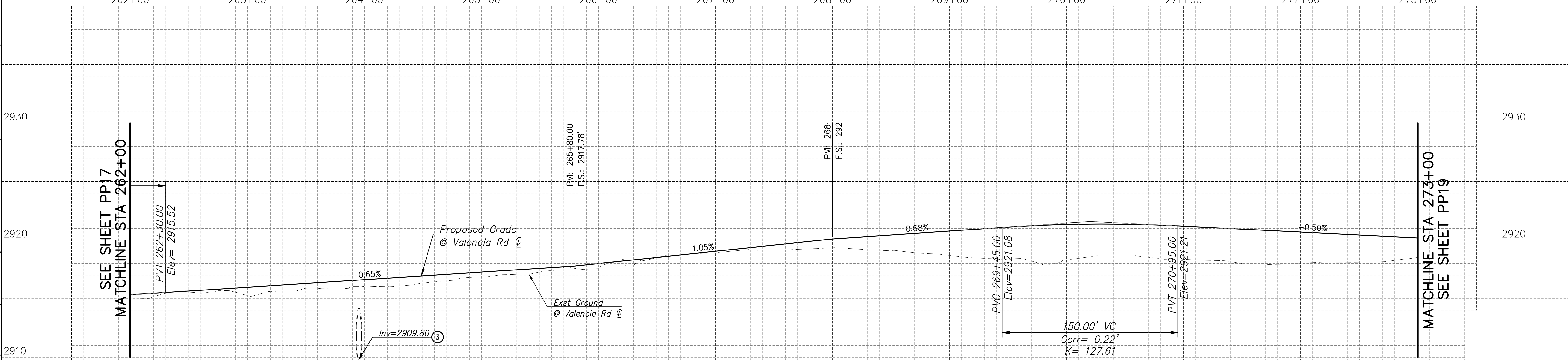
Call 811 or click Arizona811.com

The image shows the top-left corner of a document. It features the official seal of the City of Tucson, which includes a shield with a cactus, a sun, and the words 'CITY OF TUCSON'. To the right of the seal, the text 'CITY OF TUCSON' is printed in a large, bold, serif font. Below this, in a smaller red font, is the text 'DRAFT 30% Plans NOT FOR CONSTRUCTION'.

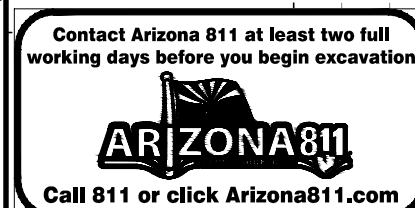
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION									
VALENCIA ROAD KOLB RD TO HOUGHTON RD Roadway Plan & Profile Sheets								RP13 OF RP18	
APPROVALS			SIGNATORY			DATE		APPROVED _____20____ TRANSPORTATION DIRECTOR REF. _____SCALE: _____	
								28 OF 65	
DRWN. BY EB/CM 11/20			DSGN. BY EB/CZ 11/20			CHKD. BY KT 11/20		PLAN NO. I-2020-021	



262+00 263+00 264+00 265+00 266+00 267+00 268+00 269+00 270+00 271+00 272+00 273+00



DRAFT

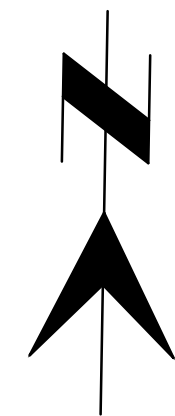


PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85710 (520) 292-2000 (520) 292-1200 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.

CITY OF TUCSON

DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Roadway Plan & Profile Sheets				
APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__	29 OF 65
			TRANSPORTATION DIRECTOR	
			REF. _____	
			SCALE 1" = 40'	
			PLAN NO. I-2020-021	



SEE SHEET PP18
MATCHLINE STA 273+00

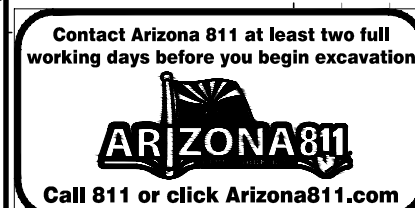
MATCHLINE STA 284+00
SEE SHEET PP20

273+00 274+00 275+00 276+00 277+00 278+00 279+00 280+00 281+00 282+00 283+00 284+00

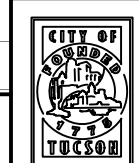
SEE SHEET PP18
MATCHLINE STA 273+00

MATCHLINE STA 284+00
SEE SHEET PP20

DRAFT



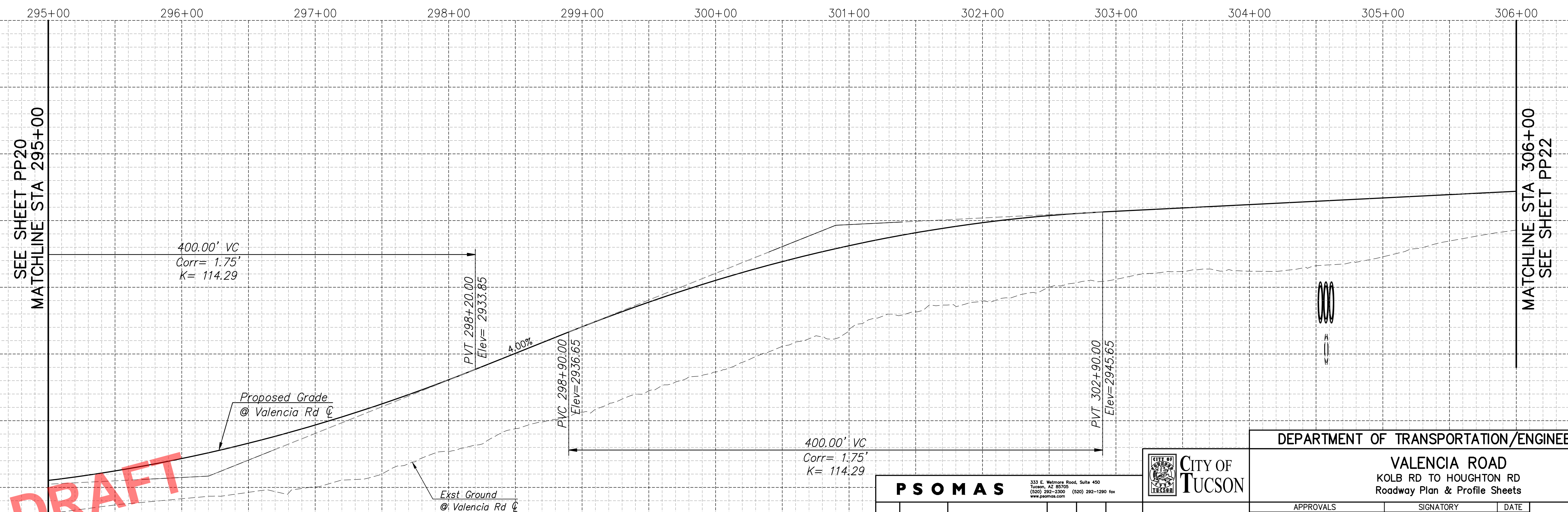
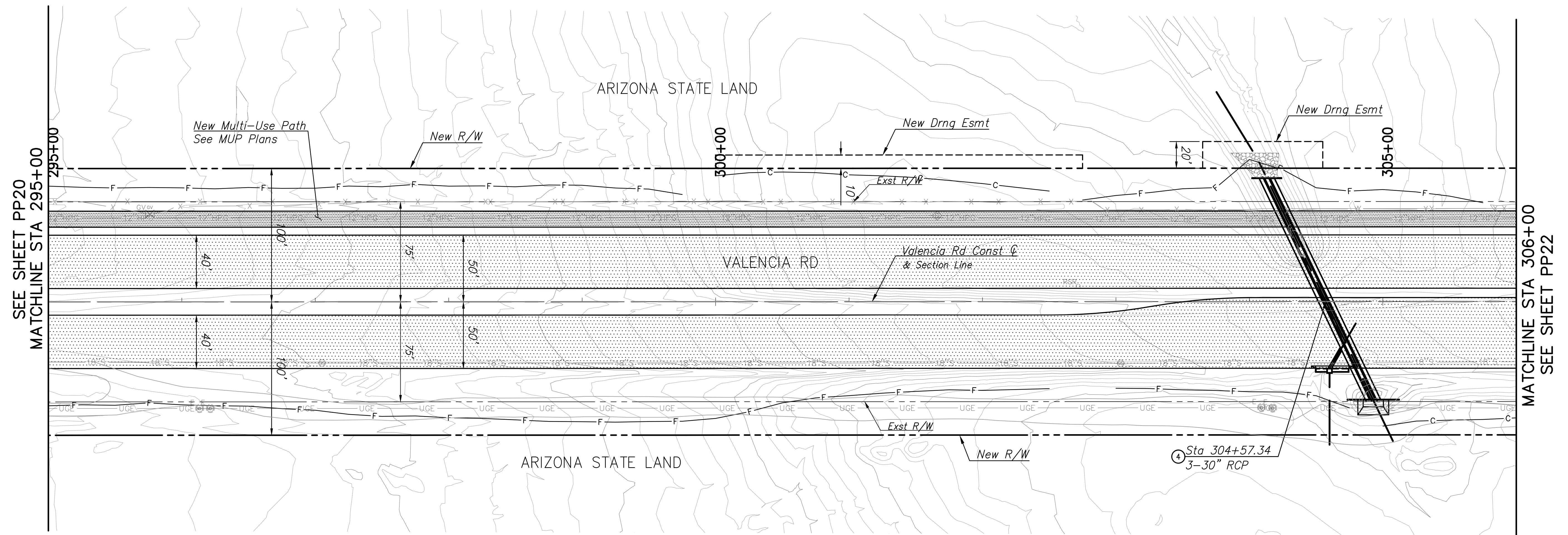
PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85705 (520) 292-2300 (520) 292-2300 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.



**CITY OF
TUCSON**

DRAFT
30% Plans
NOT FOR
CONSTRUCTION

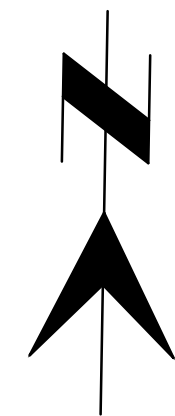
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION					
VALENCIA ROAD KOLB RD TO HOUGHTON RD Roadway Plan & Profile Sheets					RP15 OF RP18
APPROVALS		SIGNATORY	DATE	APPROVED _____20__	30 OF 65
				TRANSPORTATION DIRECTOR	
				REF. _____	
				SCALE: _____	
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT	11/20	PLAN NO. I-2020-021	



P S O M A S				333 E. Waterway Road, Suite 400 Tucson, AZ 85705 (202) 292-2300 www.psomma.com		(202) 292-1290 fax	
NO.	DATE	REVISION			BY	CHKD.	APPR.

The image shows the top-left corner of a document. It features the official seal of the City of Tucson, which includes a shield with a cactus, a sun, and the words 'CITY OF TUCSON'. To the right of the seal, the text 'CITY OF TUCSON' is printed in a large, serif font. Below this, in a red, sans-serif font, is the text 'DRAFT 30% Plans NOT FOR CONSTRUCTION'.

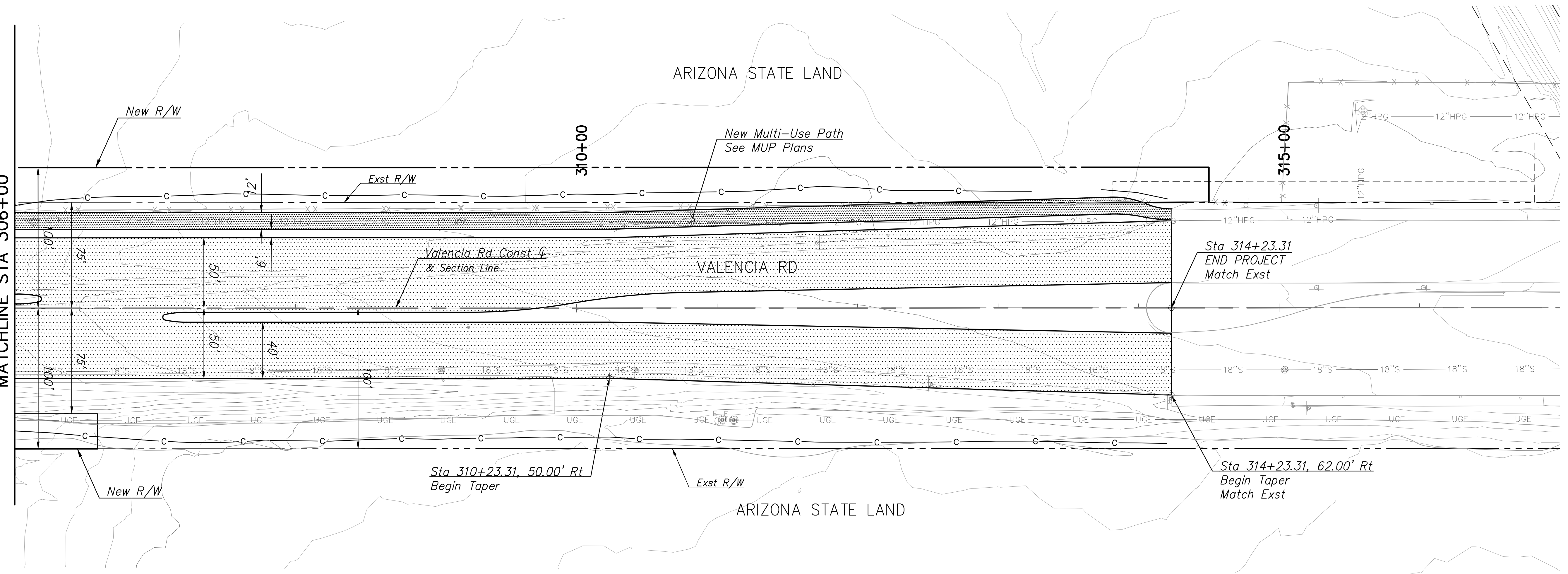
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION									
VALENCIA ROAD KOLB RD TO HOUGHTON RD Roadway Plan & Profile Sheets								RP17 OF RP18	
APPROVALS			SIGNATORY			DATE		APPROVED _____ 20____	
								32	
								OF	
						TRANSPORTATION DIRECTOR		65	
						REF. _____		SCALE: _____	
DRWN. BY EB/CM 11/20		DSGN. BY EB/CZ 11/20		CHKD. BY KT 11/20		PLAN NO. I-2020-021			



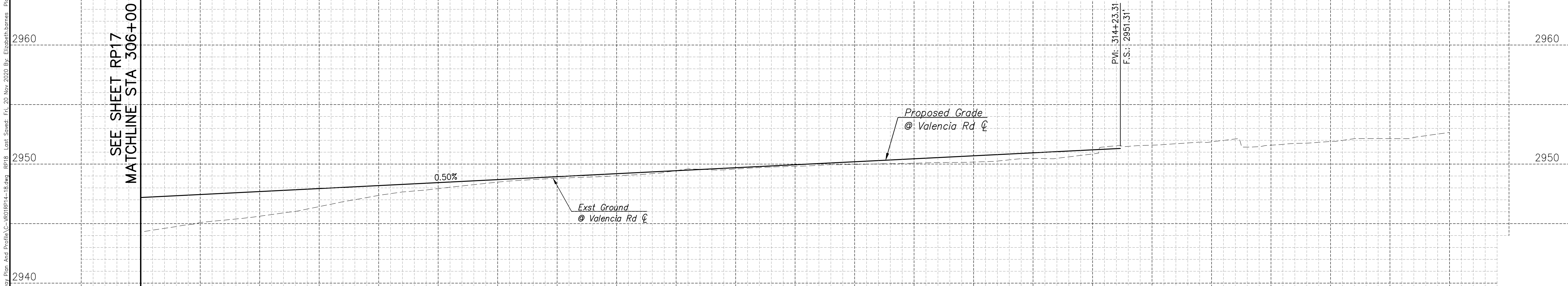
SEE SHEET RP17
MATCHLINE STA 306+00

SEE SHEET RP17
MATCHLINE STA 306+00

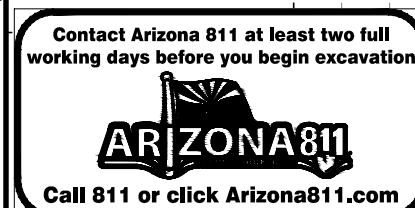
DRAFT




306+00 307+00 308+00 309+00 310+00 311+00 312+00 313+00 314+00 315+00 316+00 317+00



I:\71051020\TRANSP\PROJECTS\04-Roadway\Plan And Profile\04-Roadway\RP17-18.dwg RP18 Last Saved: Fri, 20 Nov 2020 10:40:24 AM By: Elizabeth Barnes Plotted: Friday, November 20, 2020 10:40:24 AM

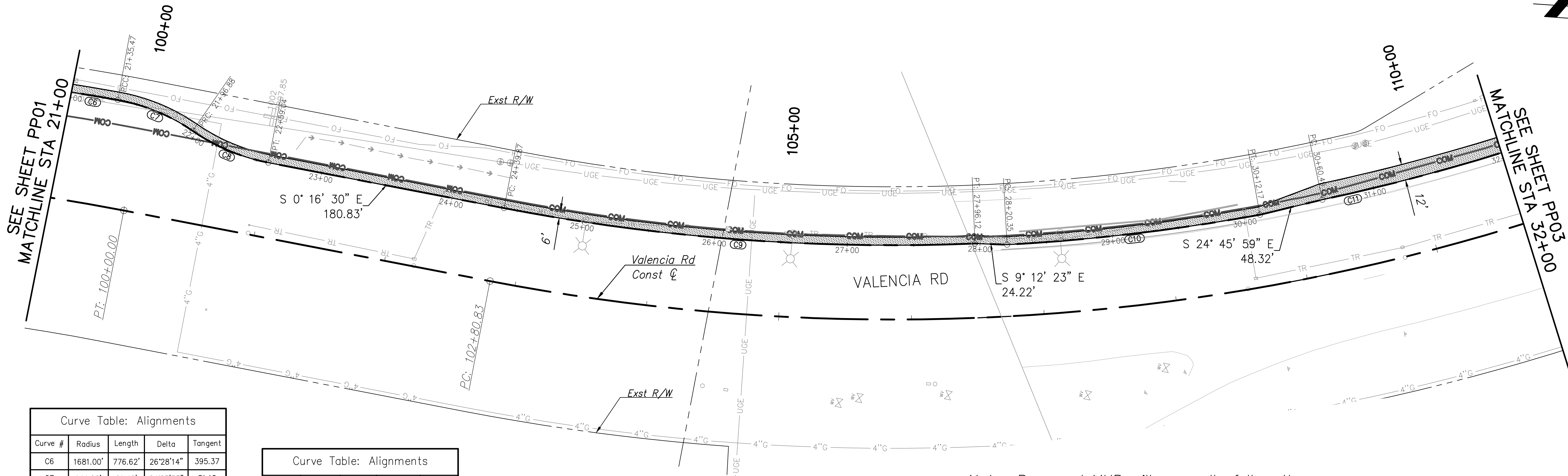
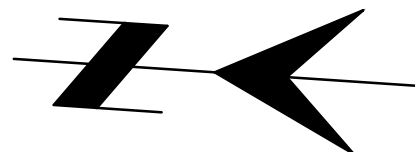


PSOMAS					
<small>333 E. Wetmore Road, Suite 450 Tucson, AZ 85705 (520) 292-2000 (520) 292-2000 fax www.psomas.com</small>					
NO.	DATE	REVISION	BY	CHKD.	APPR.

**CITY OF
TUCSON**

**DRAFT
30% Plans
NOT FOR
CONSTRUCTION**

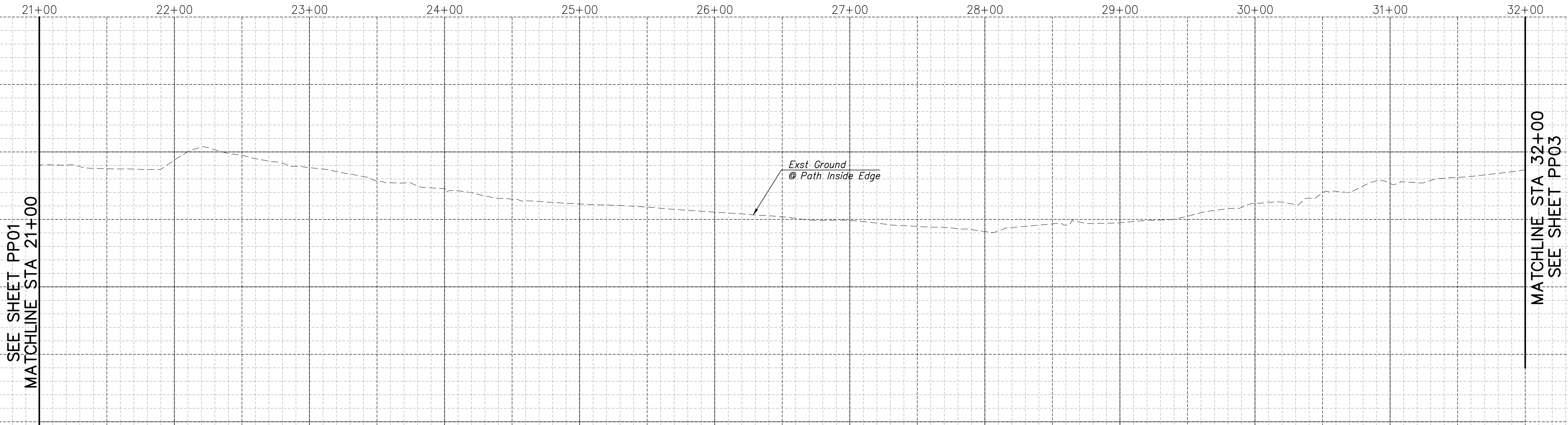
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION						
VALENCIA ROAD KOLB RD TO HOUGHTON RD Roadway Plan & Profile Sheets						RP18 OF RP18
APPROVALS		SIGNATORY		DATE	APPROVED _____20__	33 OF 65
					TRANSPORTATION DIRECTOR	
					REF. _____	SCALE: _____
DRWN. BY EB/CM 11/20		DSGN. BY EB/CZ 11/20		CHKD. BY KT 11/20	PLAN NO. I-2020-021	



Curve Table: Alignments				
Curve #	Radius	Length	Delta	Tangent
C6	1681.00'	776.62'	26°28'14"	395.37
C7	144.00'	61.40'	24°25'53"	31.18
C8	150.00'	62.17'	23°44'45"	31.54
C9	1544.00'	356.25'	13°13'12"	178.92
C10	1546.00'	191.83'	7°06'33"	96.04

Curve Table: Alignments				
Curve #	Radius	Length	Delta	Tangent
C11	1544.00'	939.83'	34°52'33"	484.98

Note: Proposed MUP will generally follow the existing ground when the proposed profile is not shown. The proposed MUP shall not change the existing roadside drainage pattern.



DRAFT

PSOMAS

333 E. Wetmore Road, Suite 450
Tempe, AZ 85281
(602) 292-2000 (602) 292-1200 fax
www.psomas.com



**DRAFT
30% Plans
NOT FOR
CONSTRUCTION**

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

VALENCIA ROAD
KOLB RD TO HOUGHTON RD
MUP Plan & Profile Sheets

PP02
OF
PP03

APPROVALS	SIGNATORY	DATE

APPROVED _____ 20____
TRANSPORTATION DIRECTOR

35
OF
65

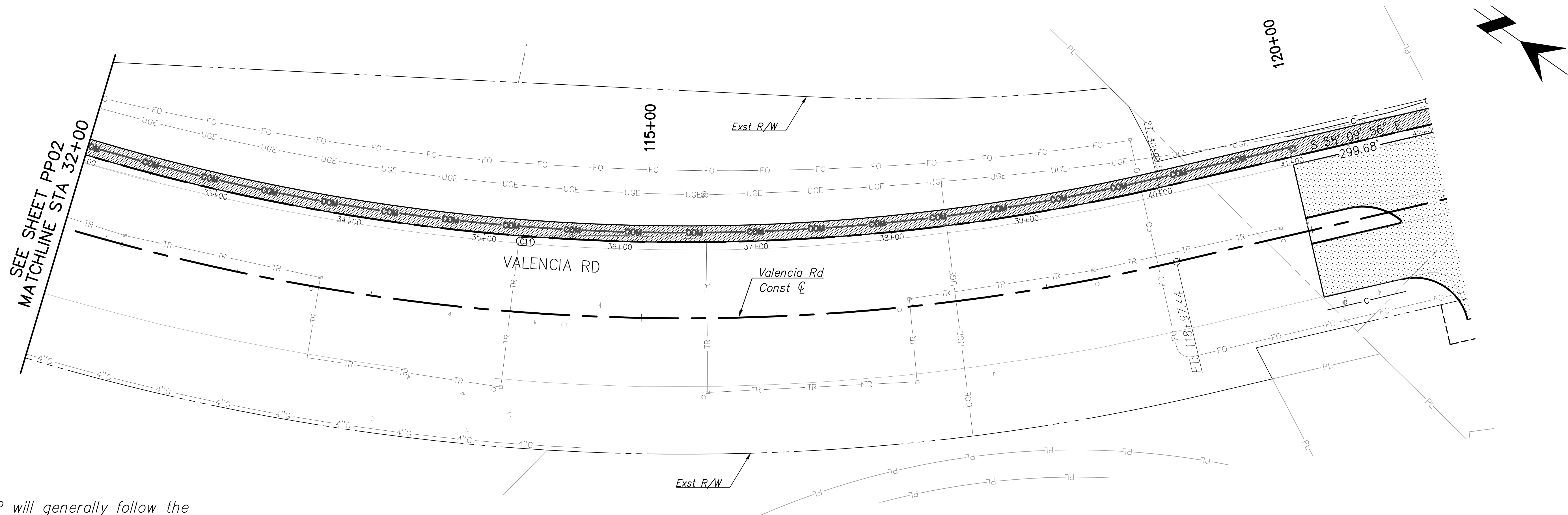
DRWN. BY EB/CM 11/20 DSGN. BY EB/CZ 11/20 CHKD. BY KT 11/20

SCALE:
PLAN NO. I-2020-021

NO.	DATE	REVISION	BY	CHKD.	APPR.

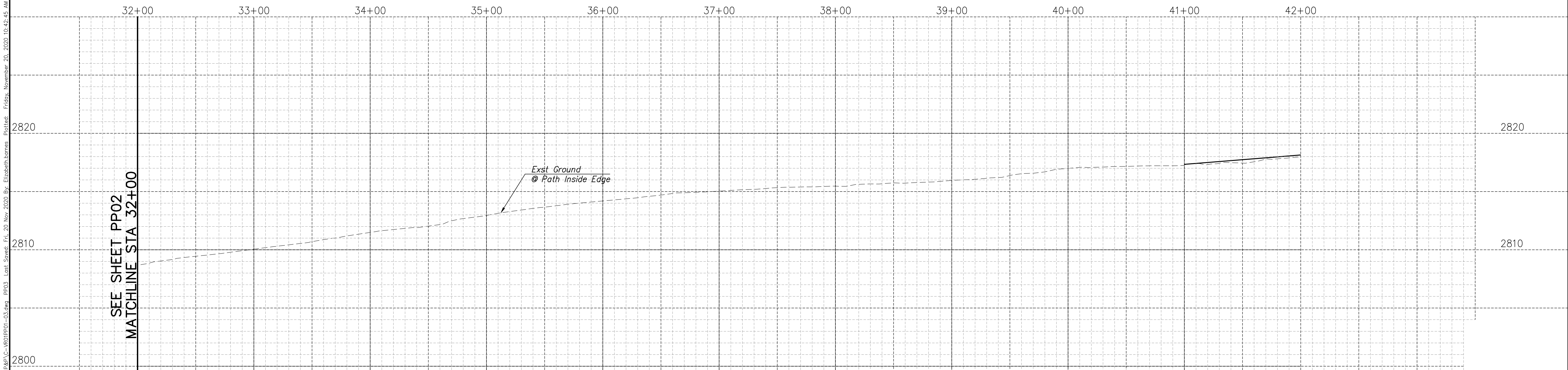
I:\7105162021\TRANSP\PROJECTS\06-Path_P&C\1601PP01-03.dwg PP02 Laid: Sunday, Fri, 20 Nov 2020 By: Elizabeth Barnes Plotted: Friday, November 20, 2020 10:42:05 AM





Note: Proposed MUP will generally follow the existing ground when the proposed profile is not shown. The proposed MUP shall not change the existing roadside drainage pattern.

Curve Table: Alignments				
Curve #	Radius	Length	Delta	Tangent
C11	1544.00'	939.83'	34°52'33"	484.98



DRAFT

I:\7105162021\TRANSP\PROJECTS\16-Path_P&V\1601PP01-03.dwg PP03 Last Saved: Fri, 20 Nov 2020 By: Elizabeth Barnes Plotted: Friday, November 20, 2020 10:42:45 AM



PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85710 (520) 292-2300 (520) 292-1290 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.

**CITY OF
TUCSON**

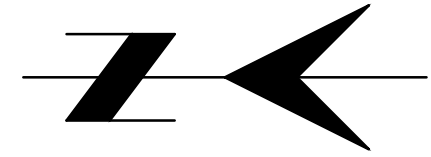
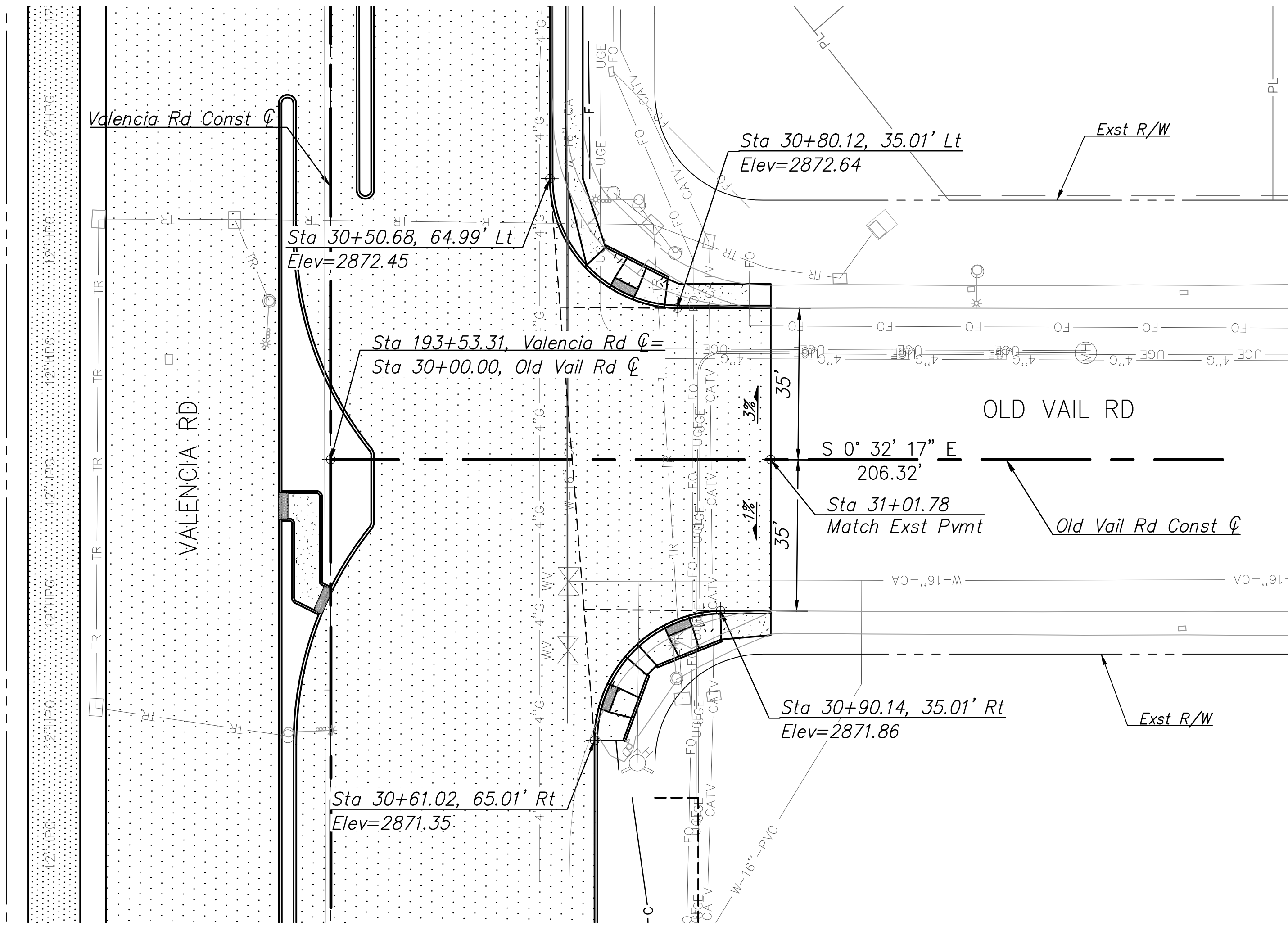
DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD MUP Plan & Profile Sheets				PP03 OF PP03
APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__	
			TRANSPORTATION DIRECTOR	
REF. _____			SCALE: _____	
DRWN. BY EB/CM 11/20			DSGN. BY EB/CZ 11/20	
CHKD. BY KT 11/20			PLAN NO. I-2020-021	

36
OF
65

I:\7105162020\TRANSPORT\PROJECTS\05-SideStreets\05-SideStreets\01-02.dwg ST01 Last Saved: Fri, 20 Nov 2020 By: Elizabeth.borne Plotted: Friday, November 20, 2020 10:41:53 AM

DRAFT



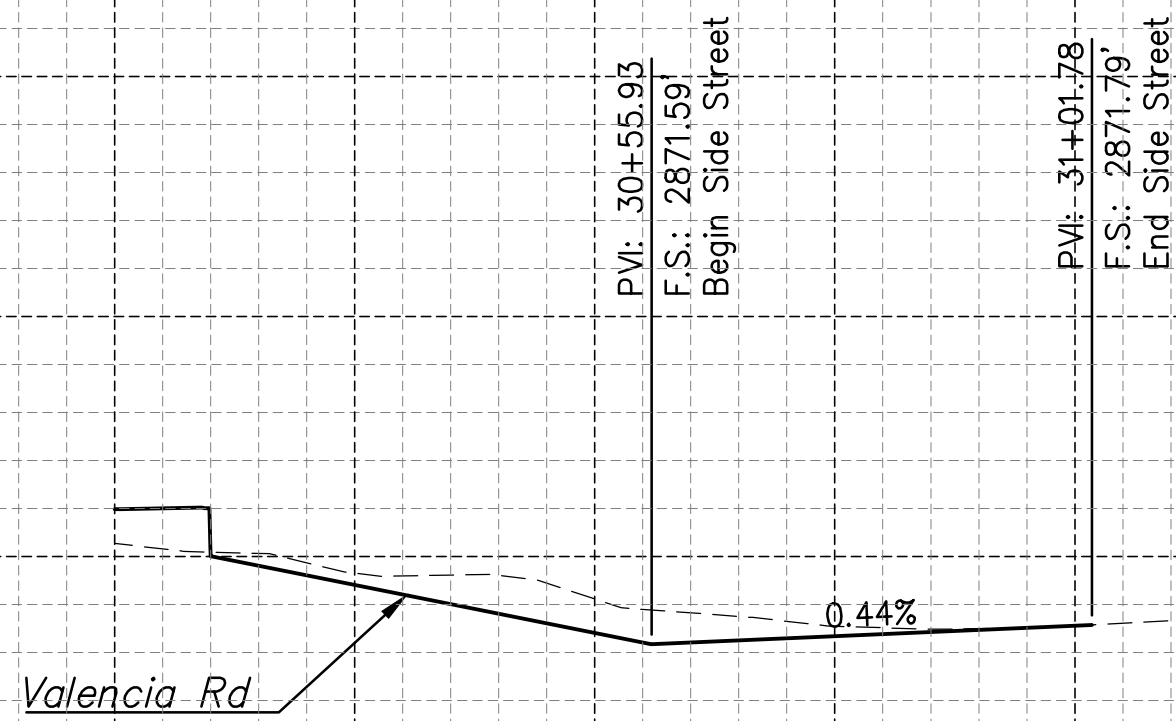
30+00 31+00 32+00

2880

2875

2870

2865



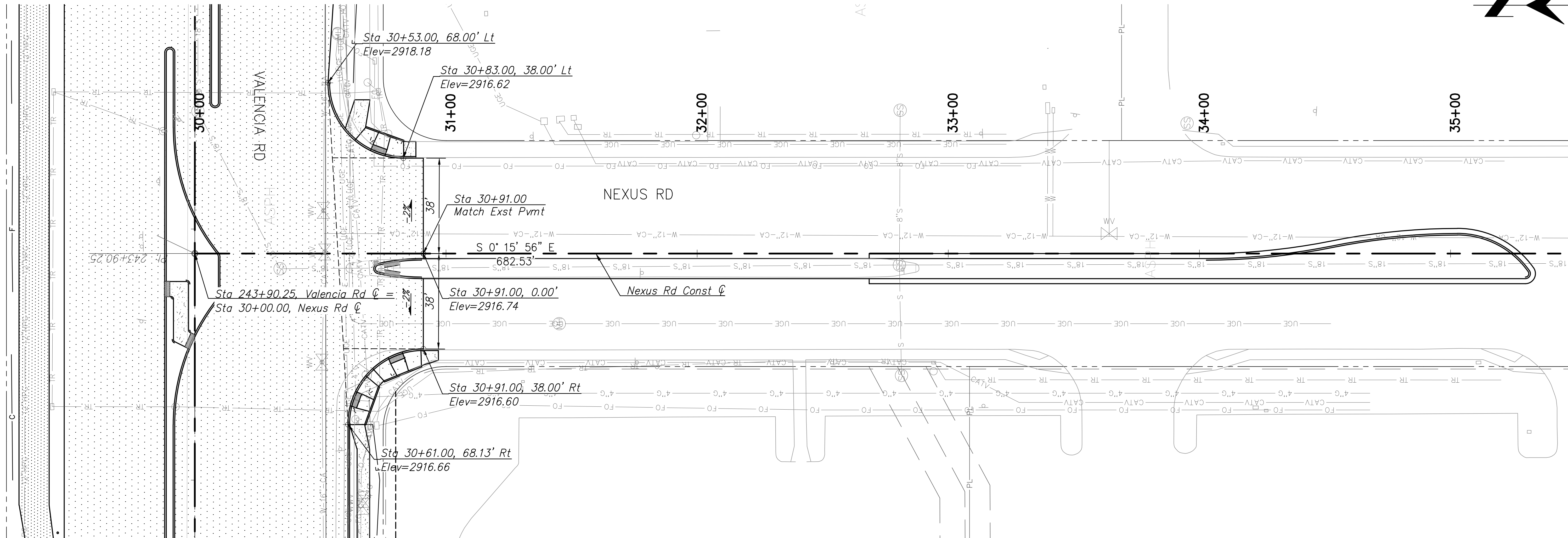
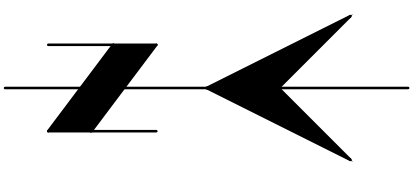
PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85710 (520) 292-2300 (520) 292-2300 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.



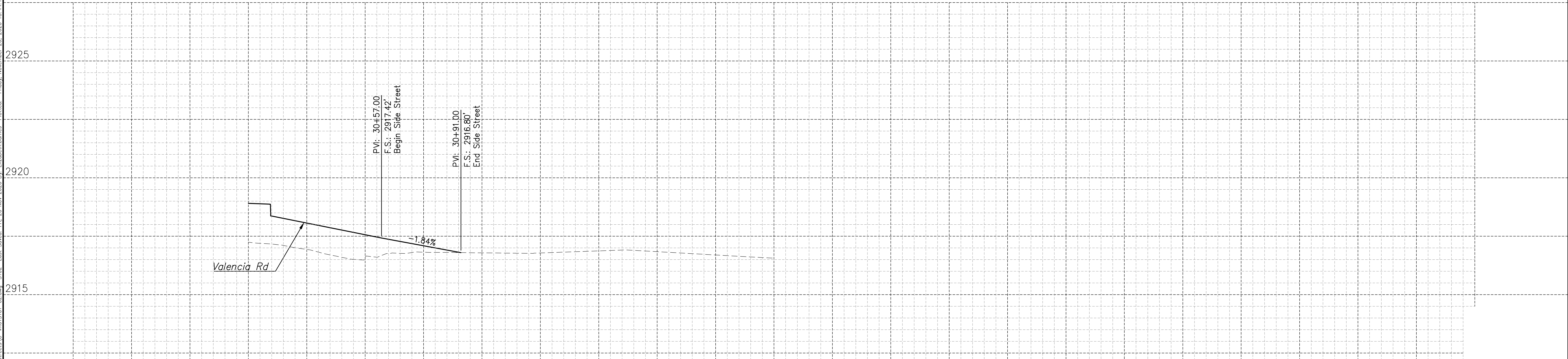
**CITY OF
TUCSON**

**DRAFT
30% Plans
NOT FOR
CONSTRUCTION**

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION						
VALENCIA ROAD KOLB RD TO HOUGHTON RD Side Streets Plan & Profile Sheets						ST01 OF ST02
APPROVALS		SIGNATORY		DATE	APPROVED _____20____ TRANSPORTATION DIRECTOR	37 OF 65
					REF. _____	SCALE 1"=40'
DRWN. BY EB/CM 11/20		DSGN. BY EB/CZ 11/20		CHKD. BY KT 11/20	PLAN NO. I-2020-021	




I:\7105162020\TRANSPORTATION\PROJECTS\05-SideStreets\05-SideStreets.dwg ST02 Last Saved: Fri, 20 Nov 2020 10:44:19 AM Plotted: Friday, November 20, 2020 10:44:19 AM



DRAFT



PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85705 (520) 292-2000 (520) 292-2000 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.

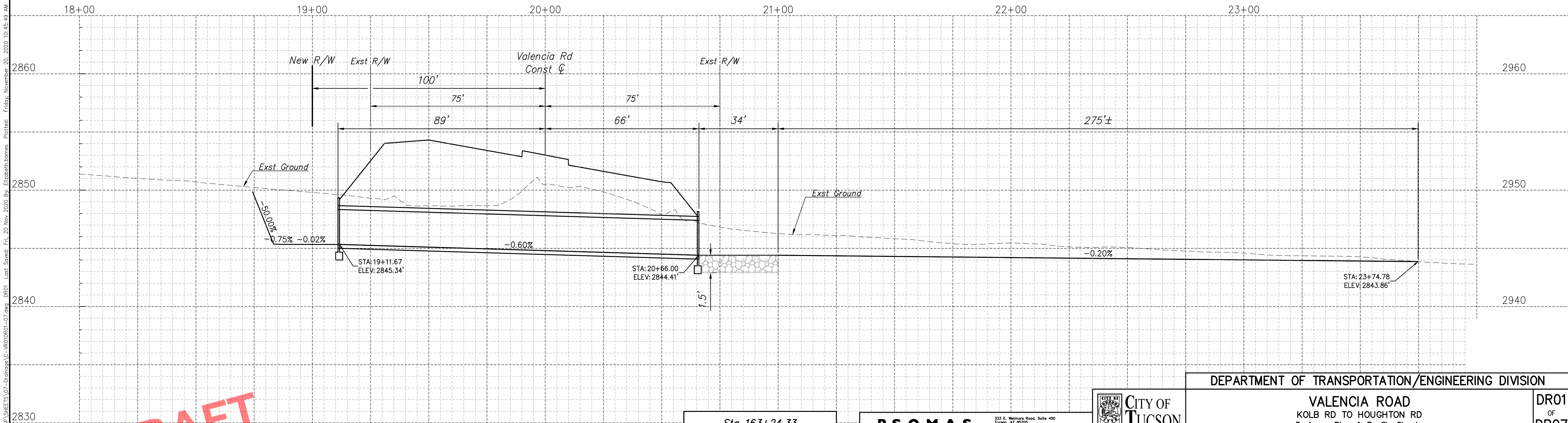
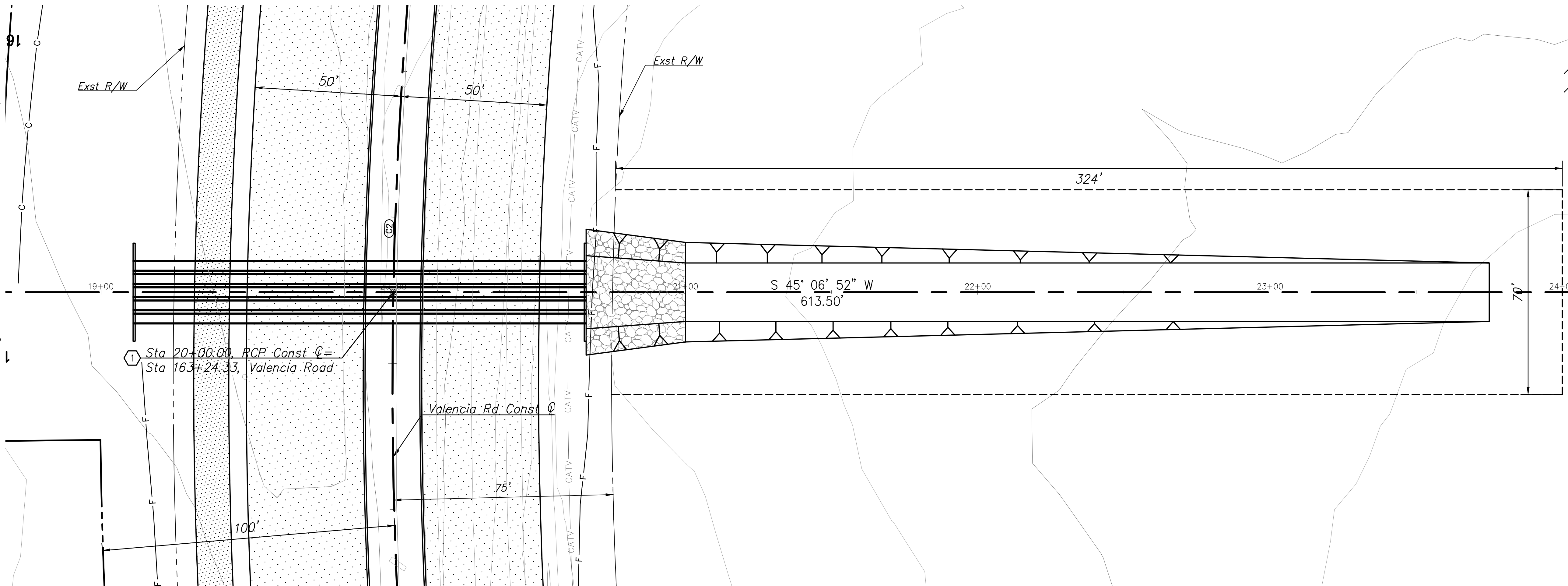
**CITY OF
TUCSON**

**DRAFT
30% Plans
NOT FOR
CONSTRUCTION**

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Side Streets Plan & Profile Sheets				ST02 OF ST02
APPROVALS		SIGNATORY	DATE	APPROVED _____20____ TRANSPORTATION DIRECTOR REF. _____SCALE 1"=40' PLAN NO. I-2020-021
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT	11/20	

Notes:

1. RCP shall be constructed in accordance with ADOT Std Dwgs C-13.10.
2. Inlet and Outlet headwalls shall be based on ADOT Std Dwg SD-6.30.
3. Handrail shall be installed on headwalls as shown on the plans & per PAG Std Dtl 105.
4. Rock Mulch for permanent erosion control shall be installed per SWPPP Sheet Detail ES2, unless shown otherwise.
5. Ditch dimensions are based on ADOT Std Dwg C-03.10 with 4:1 slopes.
6. Details for drainage features (drop inlets, outlet protection, etc.) are shown in Stage I plans for representative purposes. Design layout and detailing will be performed in subsequent submittals.
7. Drainage easements are preliminary based downstream grading needs and will be refined as outlet protection and downstream grading is designed in subsequent submittals.



DRAFT

Sta 163+24.33
New 5-36"x150' RCP
Skew 0°

PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85705 (520) 292-2300 (520) 292-1200 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.

**CITY OF
TUCSON**

DRAFT

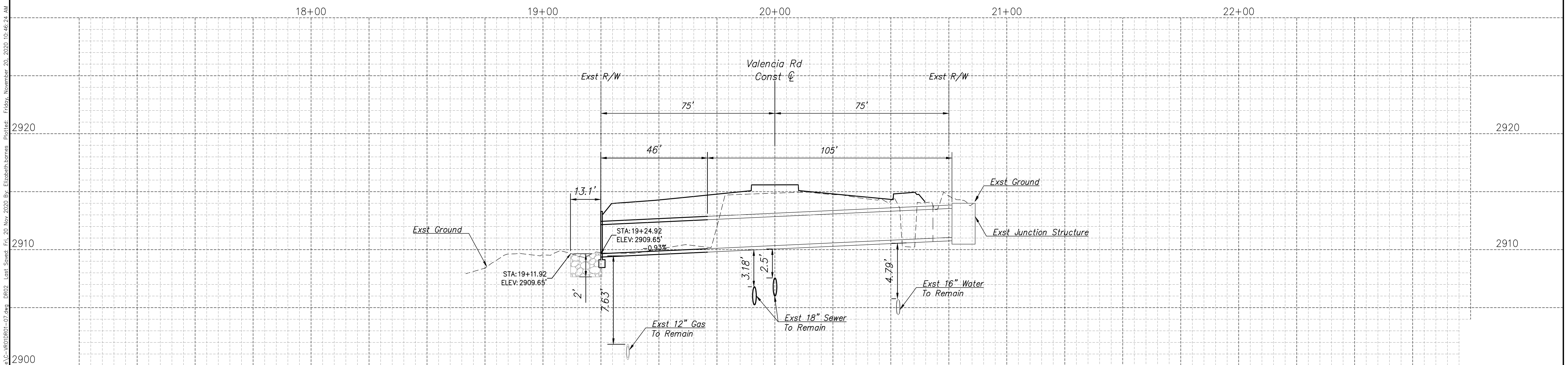
30% Plans

NOT FOR

CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION					
VALENCIA ROAD KOLB RD TO HOUGHTON RD Drainage Plan & Profile Sheets					DR01 OF DR07
APPROVALS		SIGNATORY		DATE	APPROVED _____20____ _____ TRANSPORTATION DIRECTOR REF. _____SCALE: _____ PLAN NO. I-2020-021
DRWN. BY EB/CM 11/20		DSGN. BY EB/CZ 11/20		CHKD. BY KT 11/20	

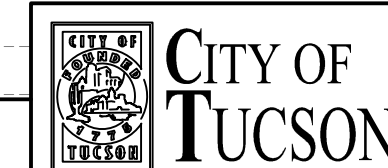
1. *RCP shall be constructed in accordance with ADOT Std Dwg C-13.10.*
2. *Outlet headwall shall be based on ADOT Std Dwg SD-6.30.*
3. *Handrail shall be installed on headwalls as shown on the plans & per PAG Std Dtl 105.*
4. *Rock Mulch for permanent erosion control shall be installed per SWPPP Sheet Detail ES2, unless shown otherwise.*
5. *Ditch dimensions are based on ADOT Std Dwg C-03.10 with 4:1 slopes.*
6. *Details for drainage features (drop inlets, outlet protection, etc.) are shown in Stage I plans for representative purposes. Design layout and detailing will be performed in subsequent submittals.*
7. *Drainage easements are preliminary based downstream grading needs and will be refined as outlet protection and downstream grading is designed in subsequent submittals.*



DRAFT

Sta 261+17.25
Exst 3-30" RCP
Extend 46' Lt
Skew 11° Rt

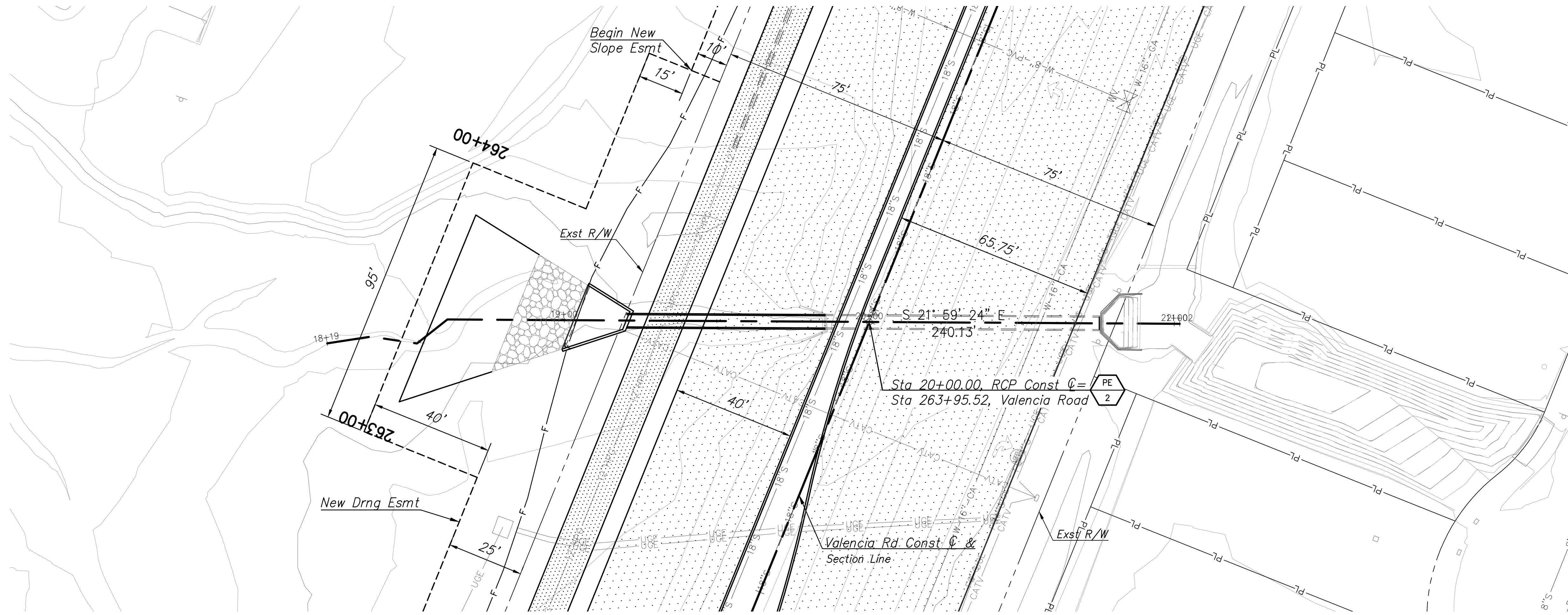
P S O M A S						333 E. Wahneema Road, Suite 450 Tucson, AZ 85705 (520) 292-2300 (520) 292-1290 fax www.psomass.com		
NO.	DATE	REVISION				BY	CHKD.	APPR



DRAFT
30% Plans
NOT FOR
CONSTRUCTION

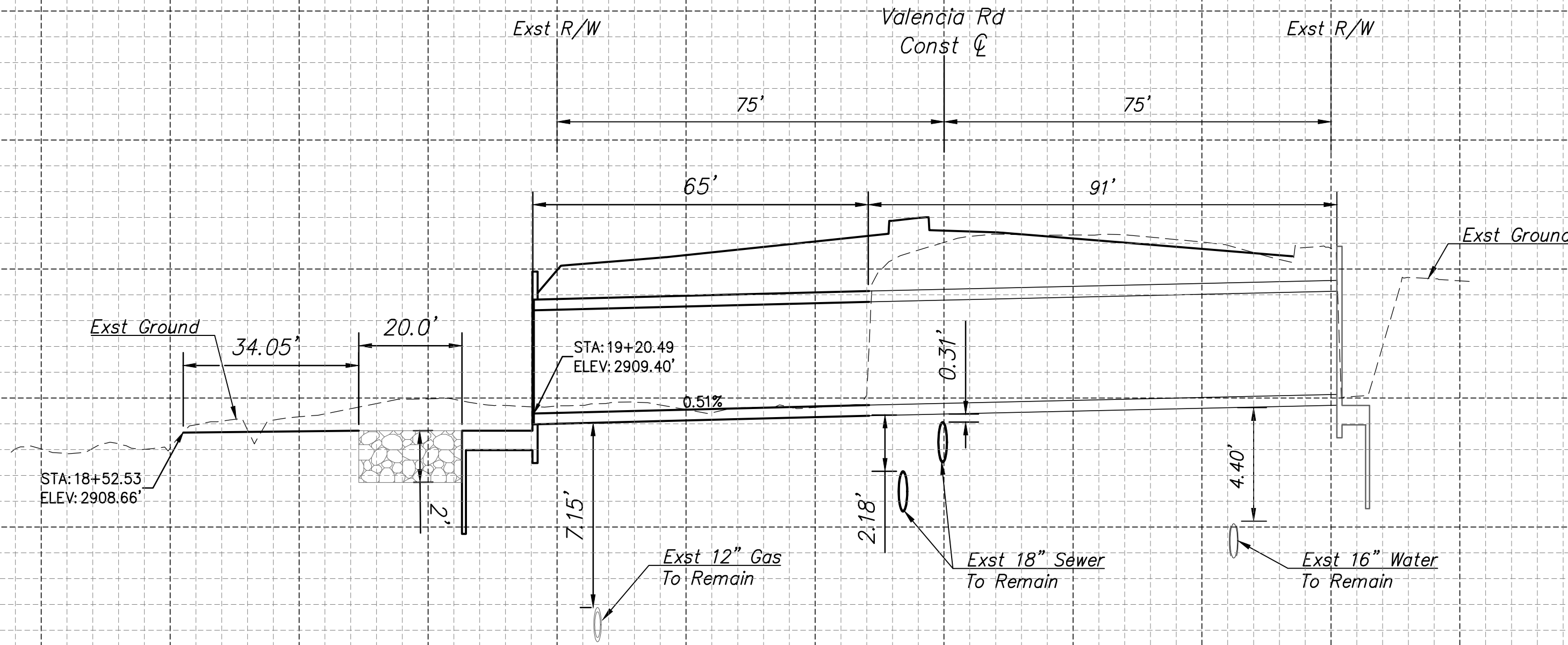
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION									
VALENCIA ROAD KOLB RD TO HOUGHTON RD Drainage Plan & Profile Sheets								DR02 OF DR07	
APPROVALS			SIGNATORY			DATE		APPROVED _____20____ TRANSPORTATION DIRECTOR REF: _____ SCALE: _____	
DRWN. BY EB/CM 11/20			DSGN. BY EB/CZ 11/20			CHKD. BY KT 11/20		PLAN NO. I-2020-021	





- Notes:
1. RCP shall be constructed in accordance with ADOT Std Dwg C-13.10.
 2. Outlet headwall shall be based on ADOT Std Dwg SD-6.30.
 3. Handrail shall be installed on headwalls as shown on the plans & per PAG Std Dtl 105.
 4. Rock Mulch for permanent erosion control shall be installed per SWPPP Sheet Detail ES2, unless shown otherwise.
 5. Ditch dimensions are based on ADOT Std Dwg C-03.10 with 4:1 slopes.
 6. Details for drainage features (drop inlets, outlet protection, etc.) are shown in Stage I plans for representative purposes. Design layout and detailing will be performed in subsequent submittals.
 7. Drainage easements are preliminary based downstream grading needs and will be refined as outlet protection and downstream grading is designed in subsequent submittals.

18+00 19+00 20+00 21+00



DRAFT

Sta 263+95.52
Exst 48" RCP
Extend 62'
Skew 22' Lt

PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85710 (520) 292-2300 (520) 292-2300 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.

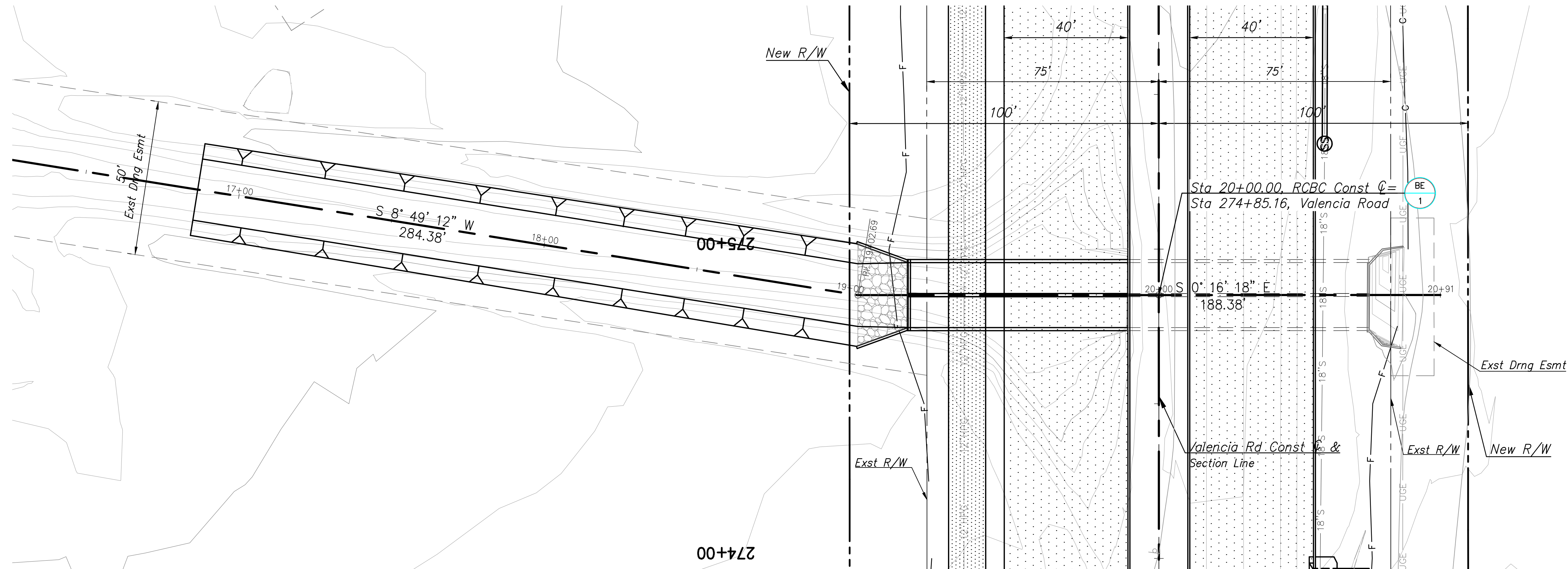


DRAFT
30% Plans
NOT FOR
CONSTRUCTION

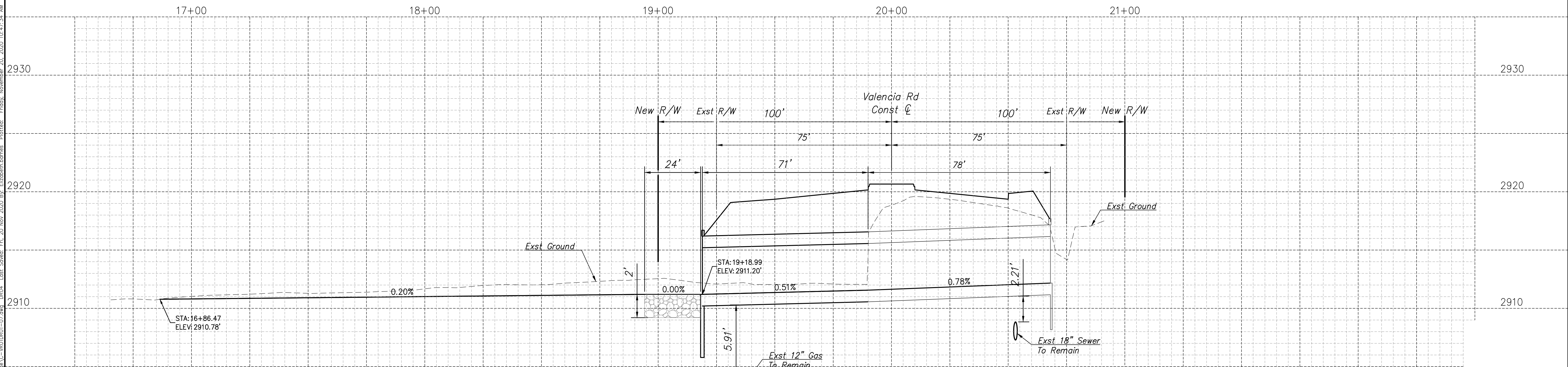
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Drainage Plan & Profile Sheets				DR03 OF DR07
APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__	41 OF 65
			TRANSPORTATION DIRECTOR	
			REF. _____	
			SCALE: _____	
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT 11/20	PLAN NO. I-2020-021	

I:\7105162021\TRANSP\DR03\DR03-07-Drainage\AC-W\DR03-07.dwg DR03 Last Saved: Fri, 20 Nov 2020 10:46:59 AM Plotted: Friday, November 20, 2020 10:46:59 AM





1. *RCBC shall be constructed in accordance with ADOT Std Dtl SD-6.01.*
2. *Outlet wingwalls and headwall shall be based on ADOT Std Dwg SD-06.08.*
3. *Handrail shall be installed on headwalls and wingwalls as shown on the plans & per PAG Std Dtl 105.*
4. *Rock Mulch for permanent erosion control shall be installed per SWPPP Sheet Detail ES2, unless shown otherwise.*
5. *Ditch dimensions are based on ADOT Std Dwg C-03.10 with 4:1 slopes.*
6. *Details for drainage features (drop inlets, outlet protection, etc) are shown in Stage I plans for representative purposes. Design layout and detailing will be performed in subsequent submittals.*
7. *Drainage easements are preliminary based downstream grading needs and will be refined as outlet protection and downstream grading is designed in subsequent submittals.*

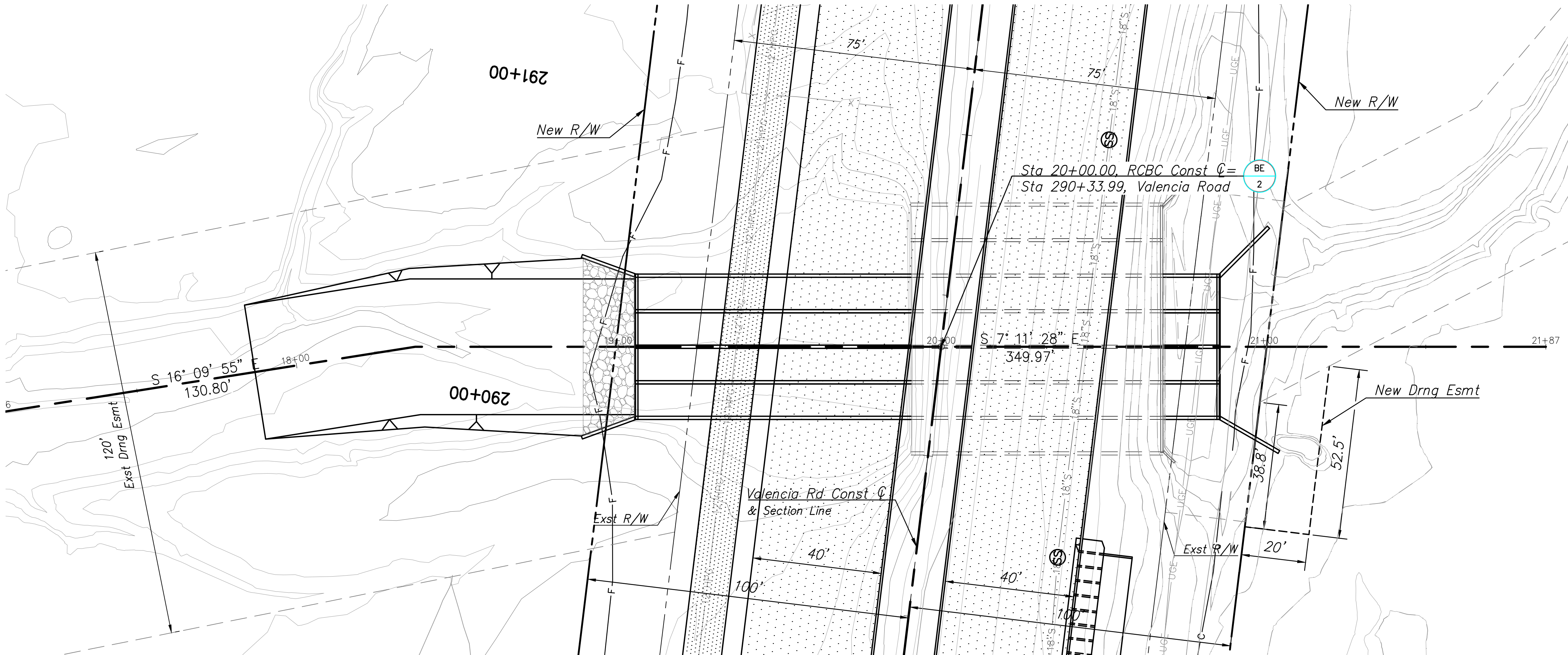
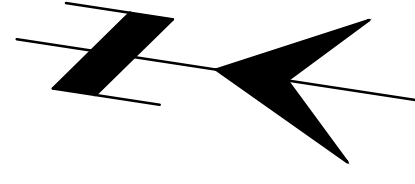


Sta 274+85.16
Exst 2-10'x4' RCBC
Extend 67'
Skew 0°

P S O M A S				333 E. Wilmore Road, Suite 400 Tucson, AZ 85705 (520) 526-1200 (520) 292-1290 fax www.psomass.com		
NO.	DATE	REVISION	BY	CHKD.	APPR.	

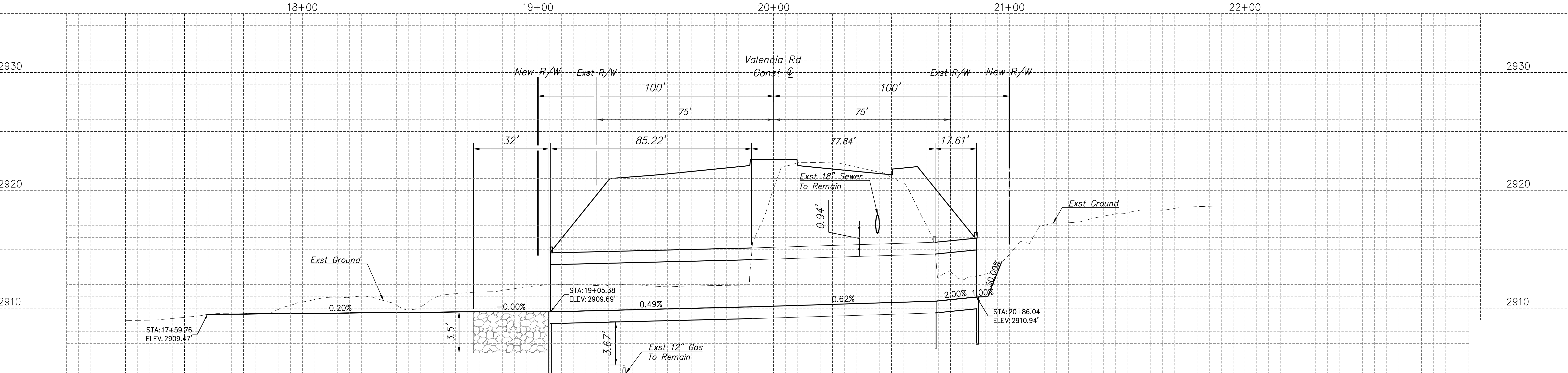
DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
<p style="text-align: center;">VALENCIA ROAD KOLB RD TO HOUGHTON RD Drainage Plan & Profile Sheets</p>				<p style="text-align: center;">DR04 OF DR07</p>
APPROVALS		SIGNATORY	DATE	APPROVED _____20____ TRANSPORTATION DIRECTOR REF. _____SCALE: _____ PLAN NO. I-2020-021
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT	11/20	



Notes:

1. RCBC shall be constructed in accordance with ADOT Std Dtl SD-6.01.
2. Outlet wingwalls and headwall shall be based on ADOT Std Dwg SD-06.08.
3. Handrail shall be installed on headwalls and wingwalls as shown on the plans & per PAG Std Dtl 105.
4. Rock Mulch for permanent erosion control shall be installed per SWPPP Sheet Detail ES2, unless shown otherwise.
5. Ditch dimensions are based on ADOT Std Dwg C-03.10 with 4:1 slopes.
6. Details for drainage features (drop inlets, outlet protection, etc) are shown in Stage I plans for representative purposes. Design layout and detailing will be performed in subsequent submittals.
7. Drainage easements are preliminary based downstream grading needs and will be refined as outlet protection and downstream grading is designed in subsequent submittals.



DRAFT

Sta 290+39.53
New 4-10'x4'x73' RCBC
Skew 7° Lt
Remove Exst 7-10'x4' RCBC

PSOMAS					
333 E. Wetmore Road, Suite 450 Tempe, AZ 85281 (602) 292-2000 (520) 292-1200 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.

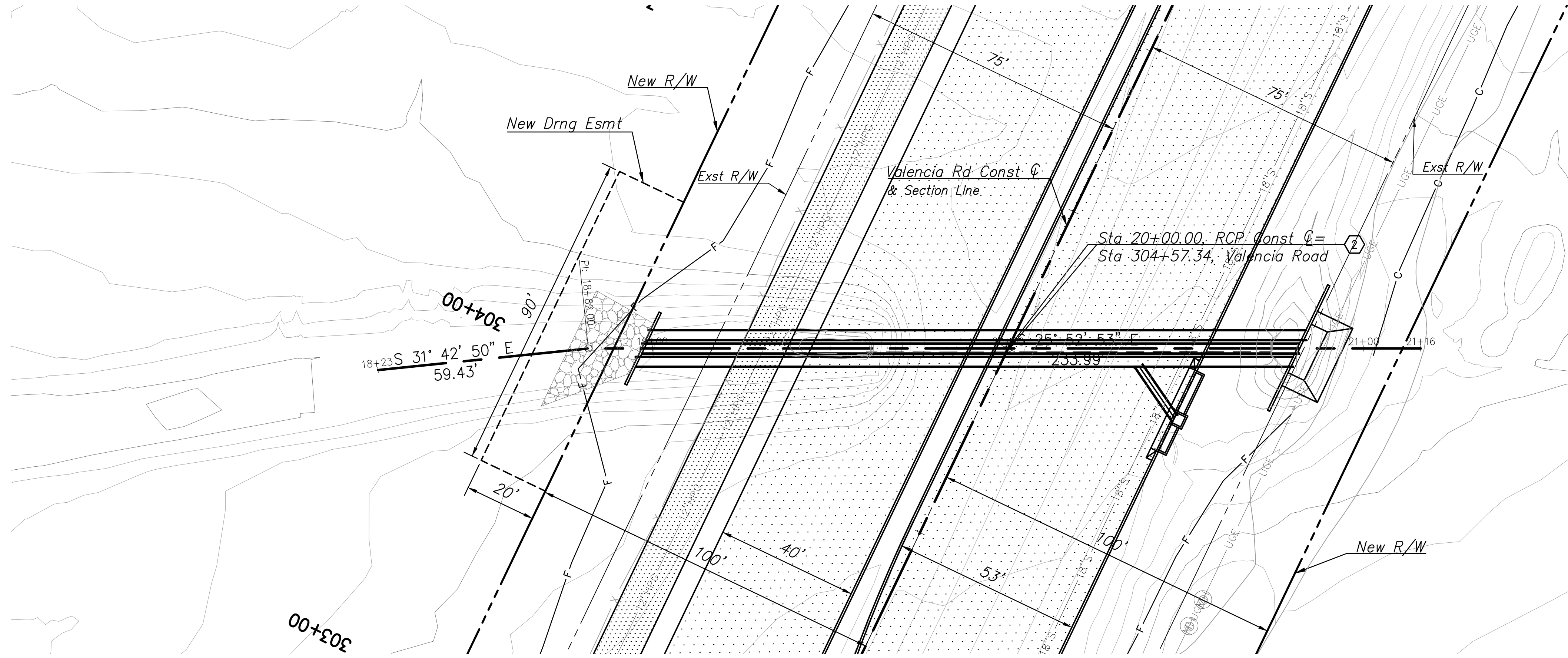


DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Drainage Plan & Profile Sheets				DR05 OF DR07
APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__	43 OF 65
TRANSPORTATION DIRECTOR				
REF. _____ SCALE: _____				
DRWN. BY EB/CM 11/20 DSGN. BY EB/CZ 11/20 CHKD. BY KT 11/20 PLAN NO. I-2020-021				

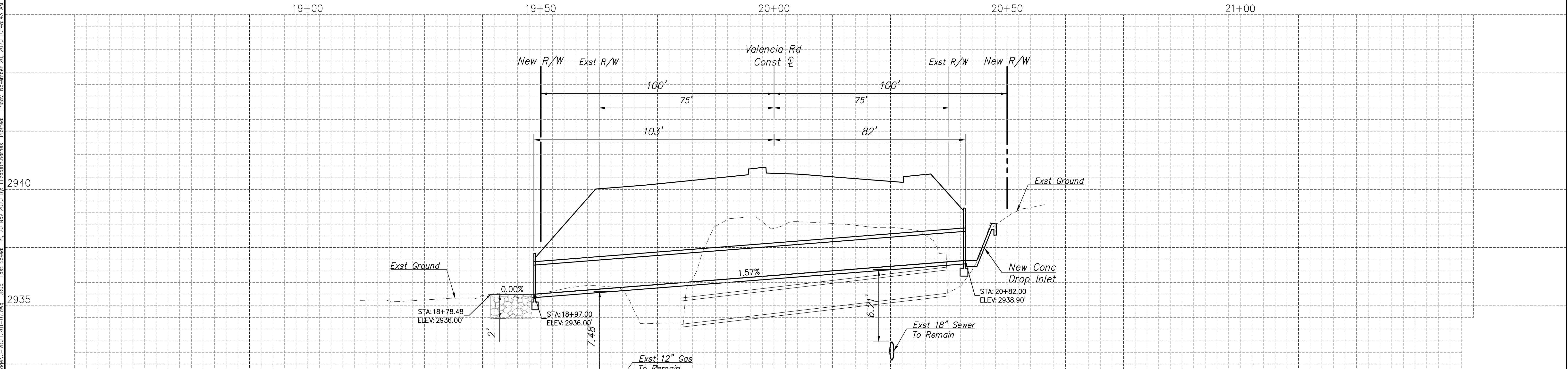


L:\71051620\TRANSPORTATION\DR05\07-Drainage\A-C\WD0601-07.dwg DR05 Last Saved: Fri, 20 Nov 2020 10:48:09 AM Plotted: Friday, November 20, 2020 10:48:09 AM



Notes:

1. RCP shall be constructed in accordance with ADOT Std Dwgs C-13.10.
2. Inlet and Outlet headwalls shall be based on ADOT Std Dwg SD-6.30.
3. Handrail shall be installed on headwalls as shown on the plans & per PAG Std Dtl 105.
4. Rock Mulch for permanent erosion control shall be installed per SWPPP Sheet Detail ES2, unless shown otherwise.
5. Ditch dimensions are based on ADOT Std Dwg C-03.10 with 4:1 slopes.
6. Details for drainage features (drop inlets, outlet protection, etc.) are shown in Stage I plans for representative purposes. Design layout and detailing will be performed in subsequent submittals.
7. Drainage easements are preliminary based downstream grading needs and will be refined as outlet protection and downstream grading is designed in subsequent submittals.



DRAFT

Sta 304+57.34
New 3-30"x185' RCP
Skew 26° Lt
Remove Exst 1-24" RCP

PSOMAS					
333 E. Wetmore Road, Suite 450 Tempe, AZ 85281 (602) 292-2000 (520) 292-1290 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.

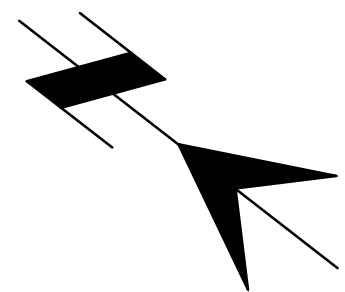


DRAFT
30% Plans
NOT FOR
CONSTRUCTION

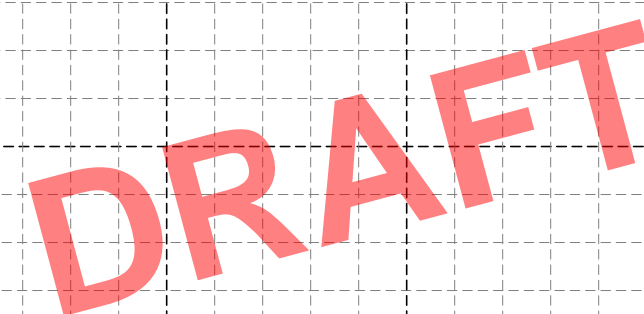
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Drainage Plan & Profile Sheets				DR06 OF DR07
APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__	44 OF 65
			TRANSPORTATION DIRECTOR	
			REF. _____	
			SCALE: _____	
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT 11/20	PLAN NO. I-2020-021	

I:\7105162021\TRANSPORTATION\DR06-VALENCIA RD\DR06-VALENCIA RD.dwg DR06 Last Saved: Fri, 20 Nov 2020 10:48:43 AM Plotted: Friday, November 20, 2020 10:48:43 AM

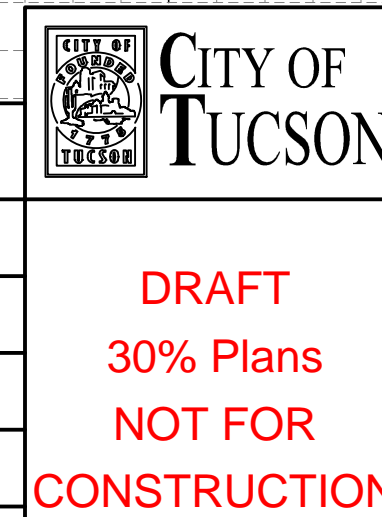




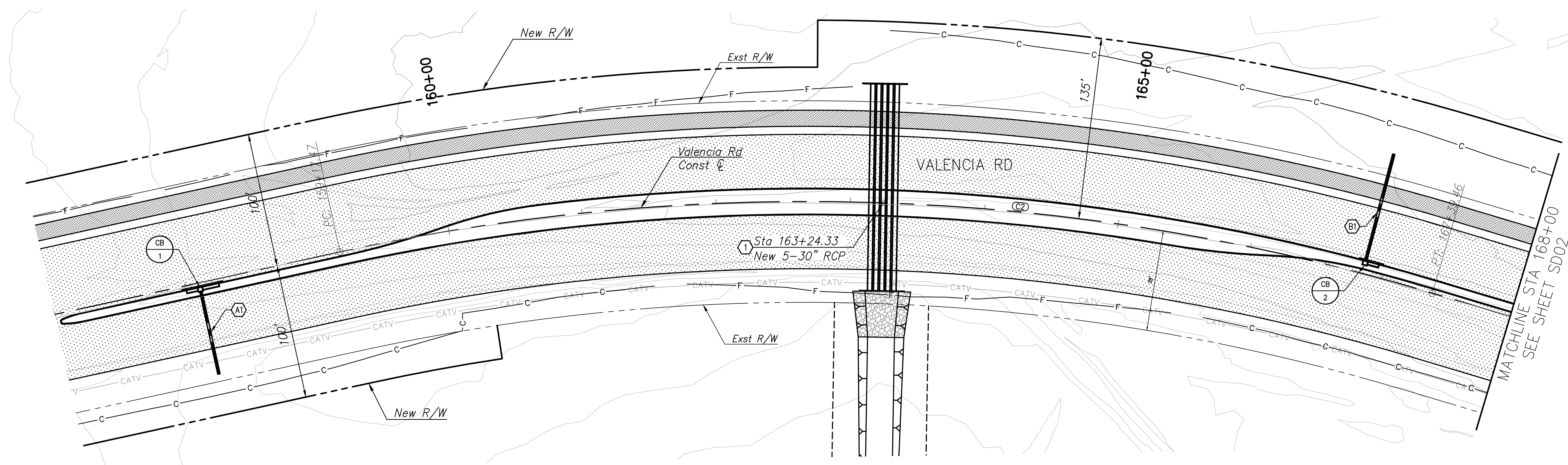
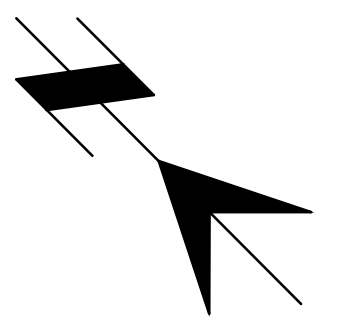
1. *RCP shall be constructed in accordance with ADOT Std Dwg C-13.10.*
2. *Inlet and outlet end sections shall be based on ADOT Std Dwg C-13.20.*
3. *Handrail shall be installed on headwalls as shown on the plans & per PAG Std Dtl 105.*
4. *Rock Mulch for permanent erosion control shall be installed per SWPPP Sheet Detail ES2, unless shown otherwise.*
5. *Ditch dimensions are based on ADOT Std Dwg C-03.10 with 4:1 slopes.*
6. *Details for drainage features (drop inlets, outlet protection, etc.) are shown in Stage I plans for representative purposes. Design layout and detailing will be performed in subsequent submittals.*
7. *Drainage easements are preliminary based downstream grading needs and will be refined as outlet protection and downstream grading is designed in subsequent submittals.*



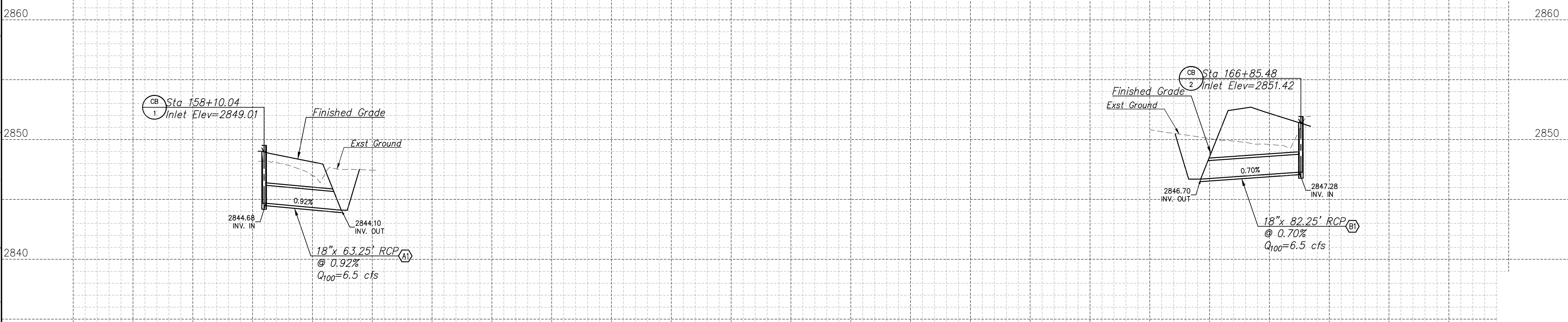
P S O M A S				333 E. Wetmore Road, Suite 400 Tucson, AZ 85705 (520) 392-2300 (520) 292-1290 fax www.psomaz.com		
NO.	DATE	REVISION	BY	CHKD.	APPR.	



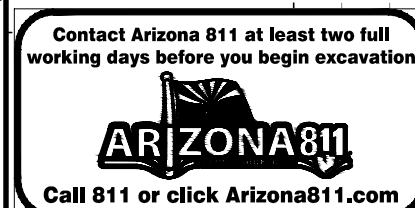
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION									
VALENCIA ROAD KOLB RD TO HOUGHTON RD Drainage Plan & Profile Sheets								DR07 OF DR07	
APPROVALS			SIGNATORY			DATE		APPROVED _____20____ TRANSPORTATION DIRECTOR REF. _____SCALE: _____ PLAN NO. <u>I-2020-021</u>	
DRWN. BY EB/CM 11/20			DSGN. BY EB/CZ 11/20			CHKD. BY KT 11/20			




157+00 158+00 159+00 160+00 161+00 162+00 163+00 164+00 165+00 166+00 167+00 168+00



DRAFT



PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85705 (520) 292-2000 (520) 292-1200 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.



**CITY OF
TUCSON**

DRAFT
30% Plans
NOT FOR
CONSTRUCTION

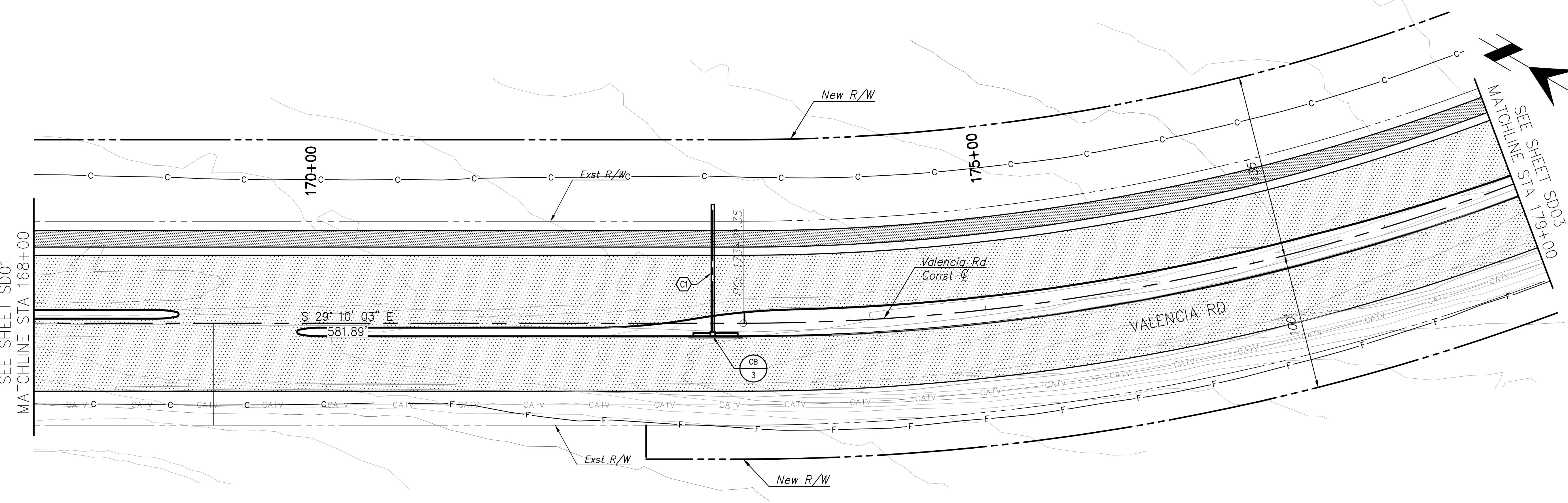
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Storm Drain Plan & Profile Sheets				SD01 OF SD09
APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__	46 OF 65
			TRANSPORTATION DIRECTOR	
REF. _____			SCALE: _____	PLAN NO. I-2020-021
DRWN. BY EB/CM 11/20			DSGN. BY EB/CZ 11/20	
CHKD. BY KT 11/20				

DRAFT

I:\7105162021\TRANSP\DRAIN\SD01-02.dwg SD02 Plot Date: Fri, 20 Nov 2020 By: Elizabeth Barnes Plotted: Friday, November 20, 2020 10:50:30 AM

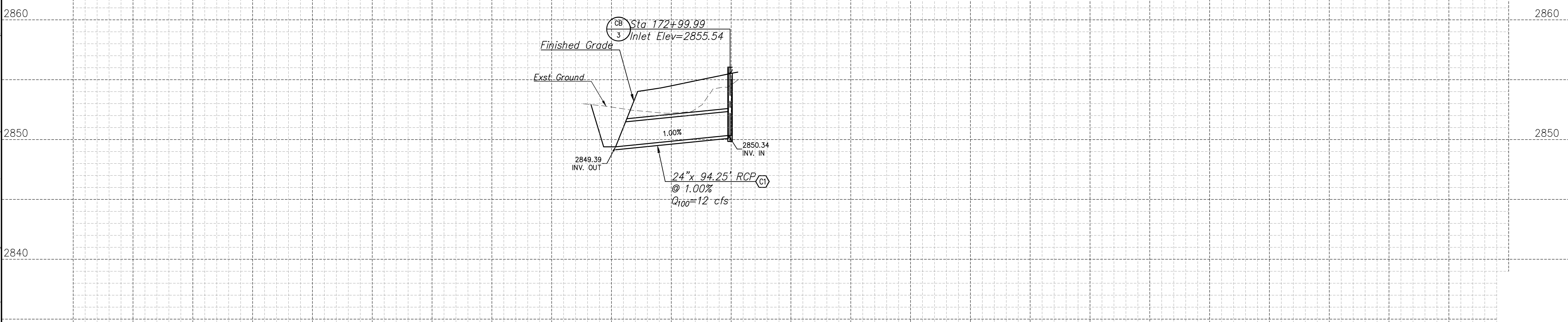


SEE SHEET SD01
MATCHLINE STA 168+00



SEE SHEET SD03
MATCHLINE STA 179+00

168+00 169+00 170+00 171+00 172+00 173+00 174+00 175+00 176+00 177+00 178+00 179+00

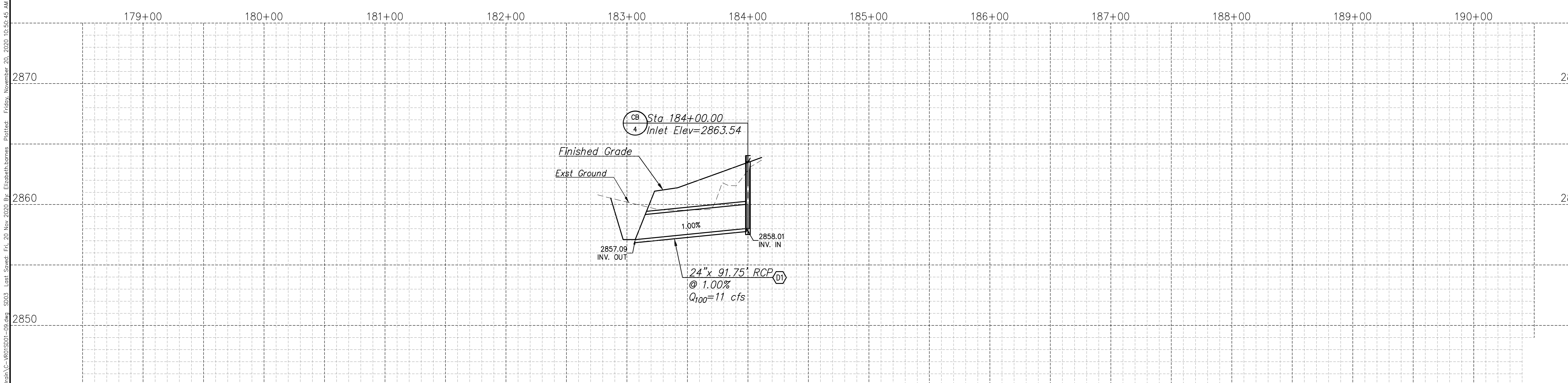
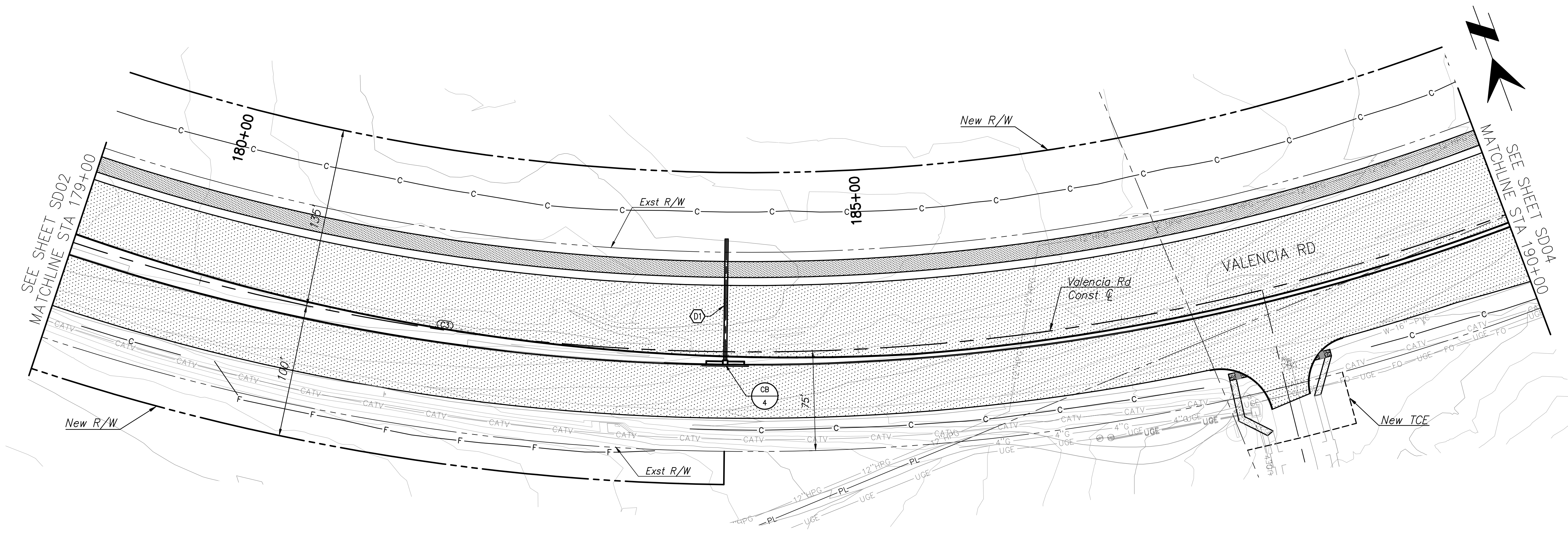


PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85710 (520) 292-2300 (520) 292-1200 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.

CITY OF
TUCSON

DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION					
VALENCIA ROAD KOLB RD TO HOUGHTON RD Storm Drain Plan & Profile Sheets					SD02 OF SD09
APPROVALS		SIGNATORY	DATE	APPROVED _____20__ TRANSPORTATION DIRECTOR	47 OF 65
				REF. _____	SCALE: _____
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT	11/20	PLAN NO I-2020-021	



DRAFT

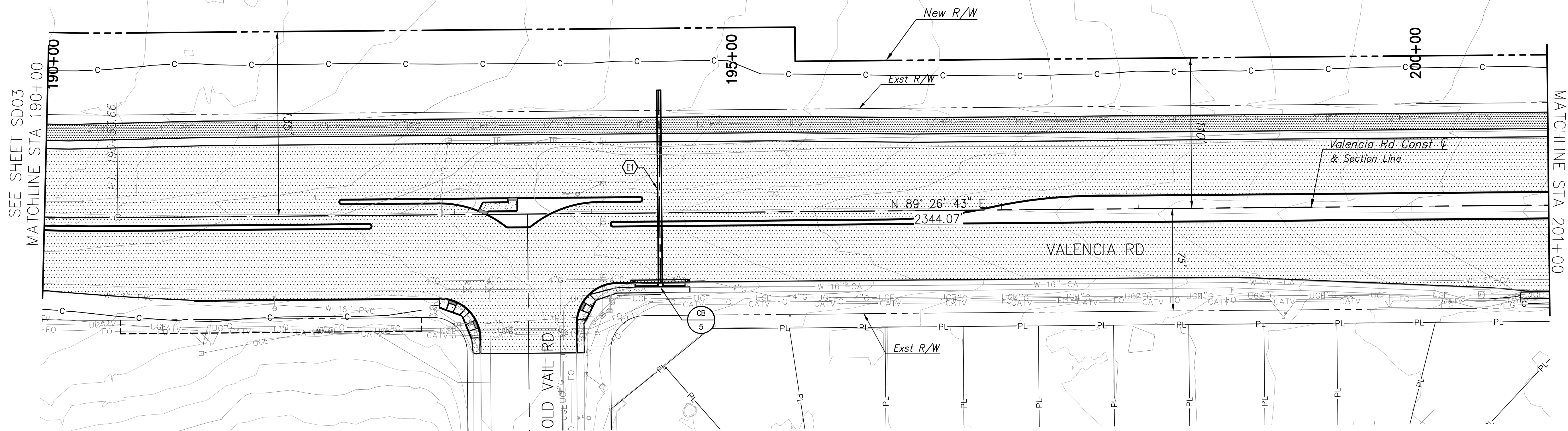


PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85710 (520) 292-2000 (520) 292-1200 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.

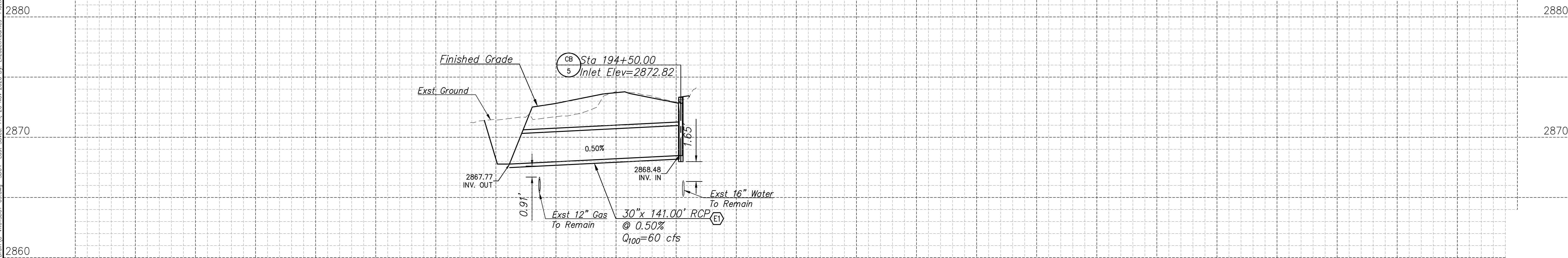
**CITY OF
TUCSON**

DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Storm Drain Plan & Profile Sheets				SD03 OF SD09
APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__	48 OF 65
			TRANSPORTATION DIRECTOR	
			REF. _____	
			SCALE: _____	
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT 11/20	PLAN NO. I-2020-021	



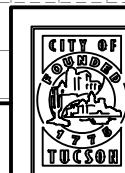
190+00 191+00 192+00 193+00 194+00 195+00 196+00 197+00 198+00 199+00 200+00 201+00



DRAFT



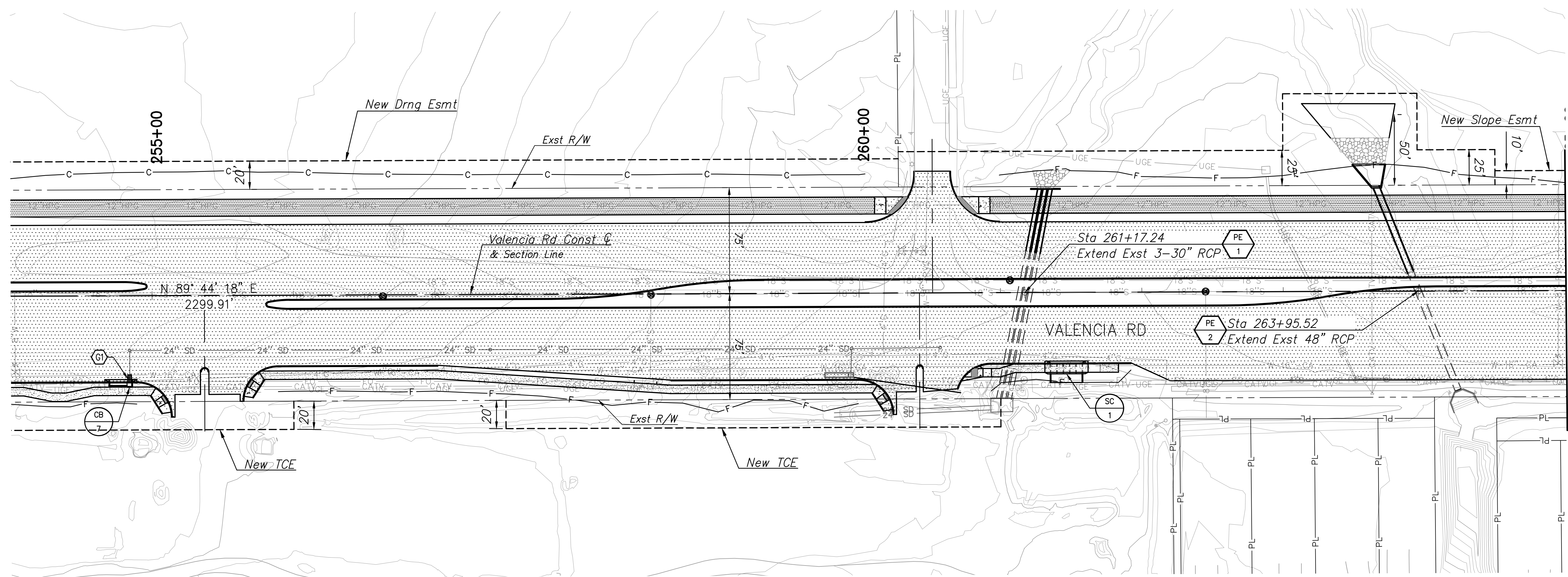
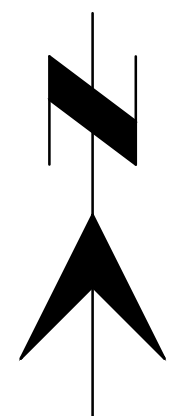
PSOMAS					
333 E. Wetmore Road, Suite 450 Tempe, AZ 85280 (602) 292-2300 (602) 292-2300 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.



**CITY OF
TUCSON**

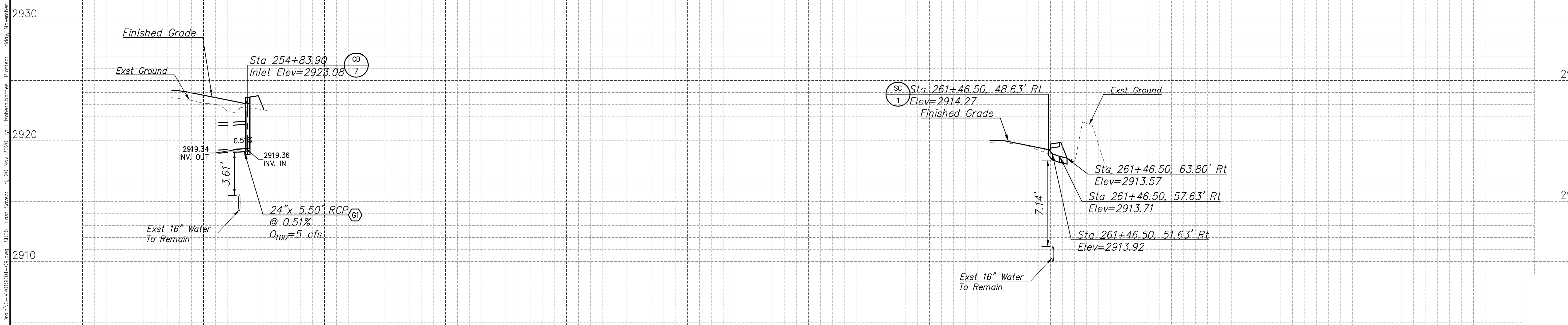
DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Storm Drain Plan & Profile Sheets				SD04 OF SD09
APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__	49 OF 65
			TRANSPORTATION DIRECTOR	
			REF. _____	
			SCALE: _____	
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT 11/20	PLAN NO. I-2020-021	

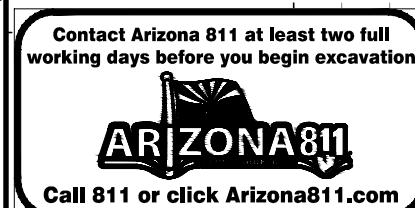


SEE SHEET SD07
MATCHLINE STA 265+00

254+00 255+00 256+00 257+00 258+00 259+00 260+00 261+00 262+00 263+00 264+00 265+00



DRAFT

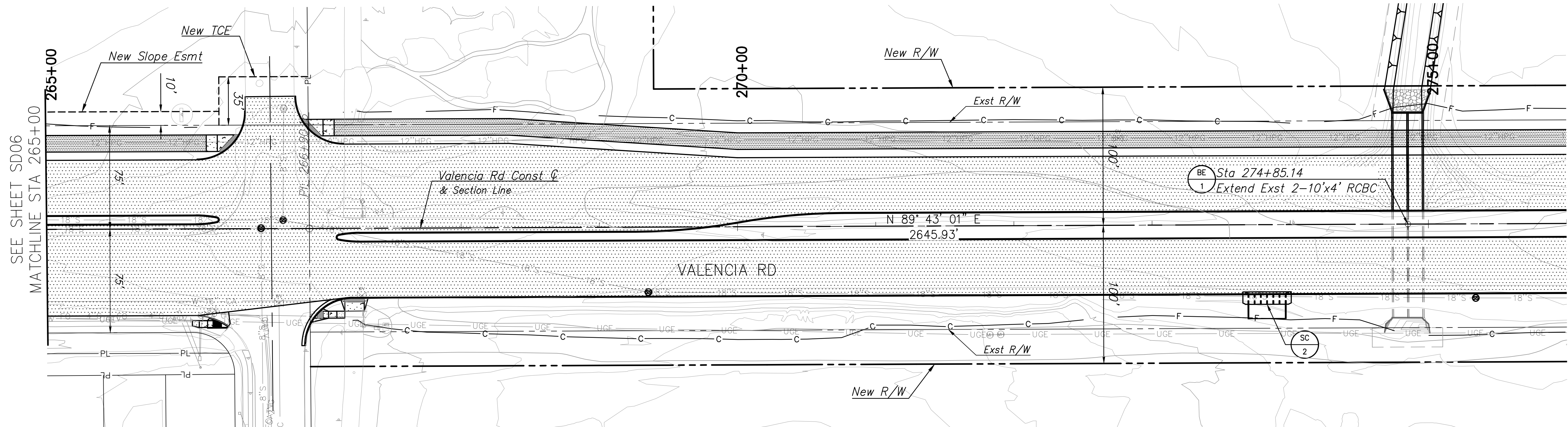


PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85710 (520) 292-2000 (520) 292-1200 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.

CITY OF TUCSON

DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Storm Drain Plan & Profile Sheets				SD06 OF SD09
APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__	51 OF 65
			TRANSPORTATION DIRECTOR	
			REF. _____	
			SCALE: _____	
			PLAN NO. I-2020-021	



265+00 266+00 267+00 268+00 269+00 270+00 271+00 272+00 273+00 274+00 275+00 276+00

I:\710516202\TRANSPORTATION\DRAINAGE\Storm Drain\VALENCIA RD\SD06-09.dwg SD07 Last Saved: Fri 20 Nov 2020 By: Elizabeth Barnes Plotted: Friday, November 20, 2020 10:51:44 AM

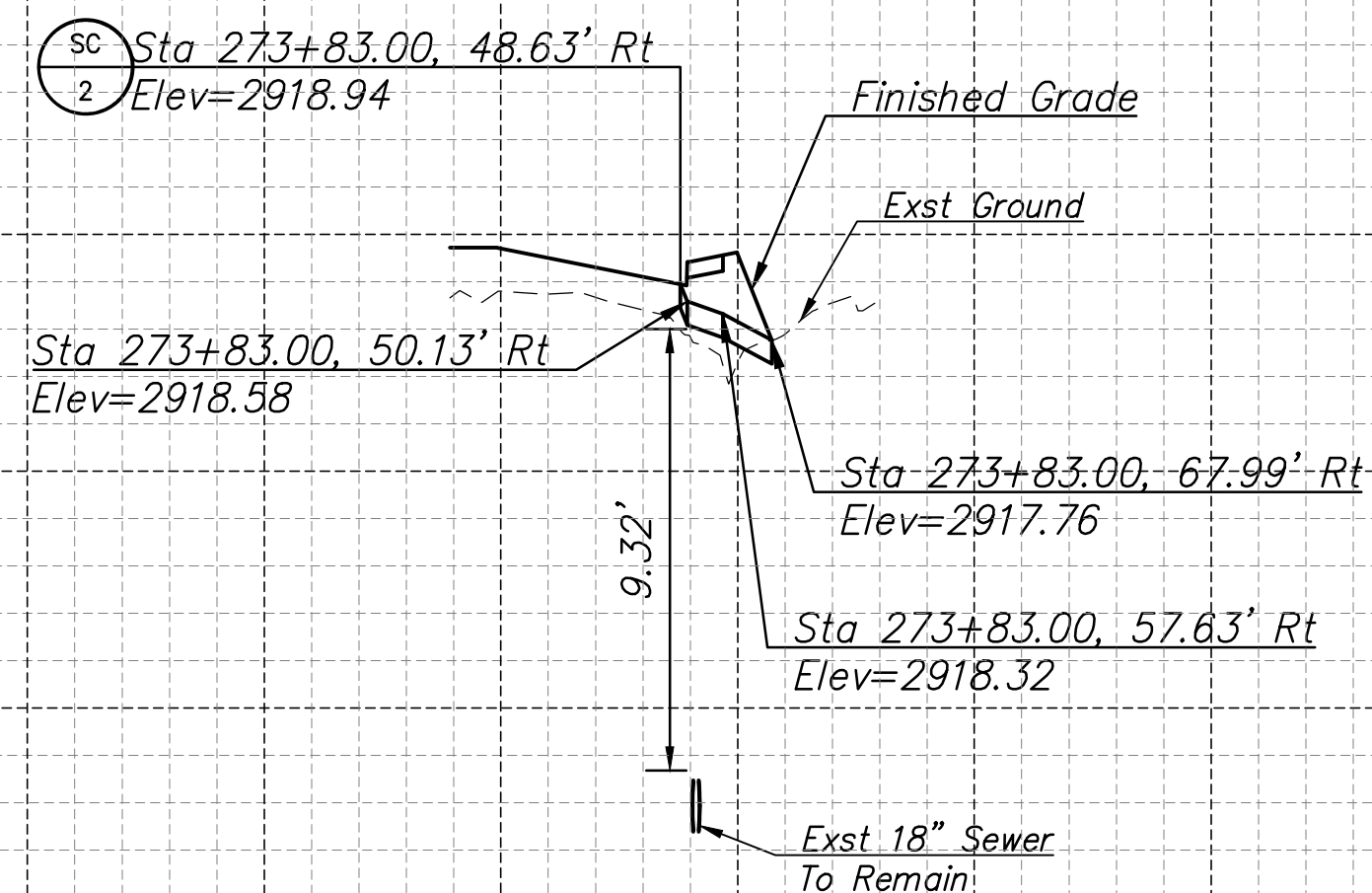
2920

2910

2900

2920

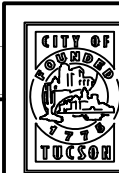
2910



DRAFT



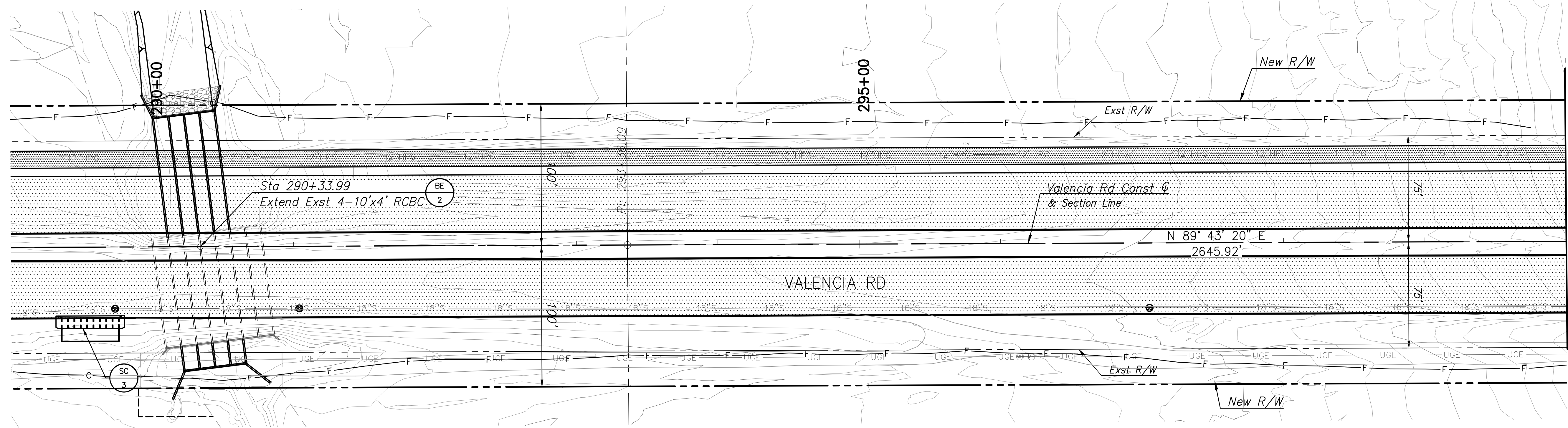
PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85705 (520) 292-2300 (520) 292-1200 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.



**CITY OF
TUCSON**

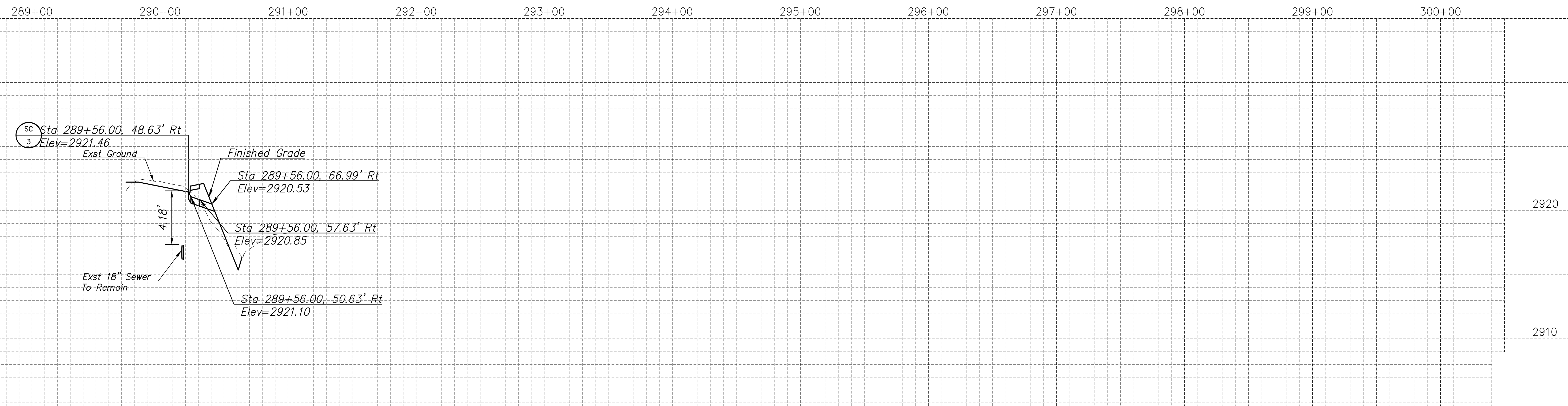
**DRAFT
30% Plans
NOT FOR
CONSTRUCTION**

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION					
VALENCIA ROAD KOLB RD TO HOUGHTON RD Storm Drain Plan & Profile Sheets					SD07 OF SD09
APPROVALS		SIGNATORY		DATE	APPROVED _____20____ TRANSPORTATION DIRECTOR REF. _____SCALE: _____
DRWN. BY EB/CM 11/20		DSGN. BY EB/CZ 11/20		CHKD. BY KT 11/20	PLAN NO. I-2020-021

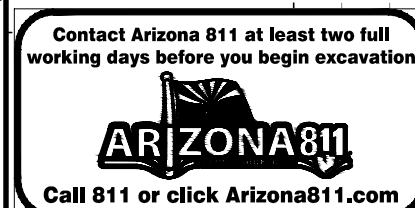


SEE SHEET SD09
MATCHLINE STA 300+00

DRAFT



L:\71515202\TRANSDRAIN\SD01-09.dwg SD08 Last Saved: Fri 20 Nov 2020 By: Elizabeth Barnes Plotted: Friday, November 20, 2020 10:51:51 AM

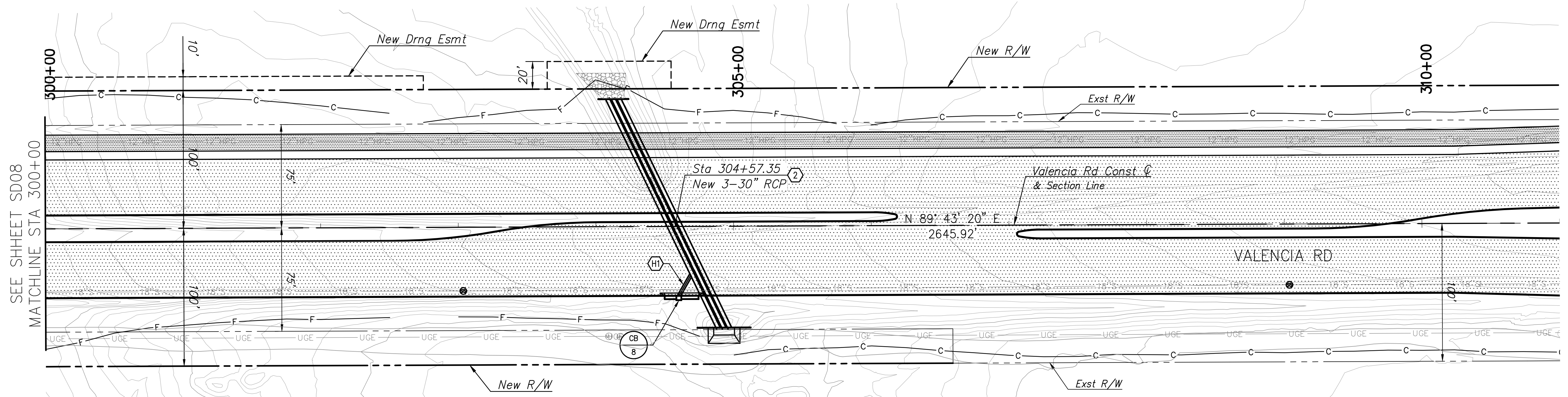


PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85705 (520) 292-2300 (520) 292-1200 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.

**CITY OF
TUCSON**

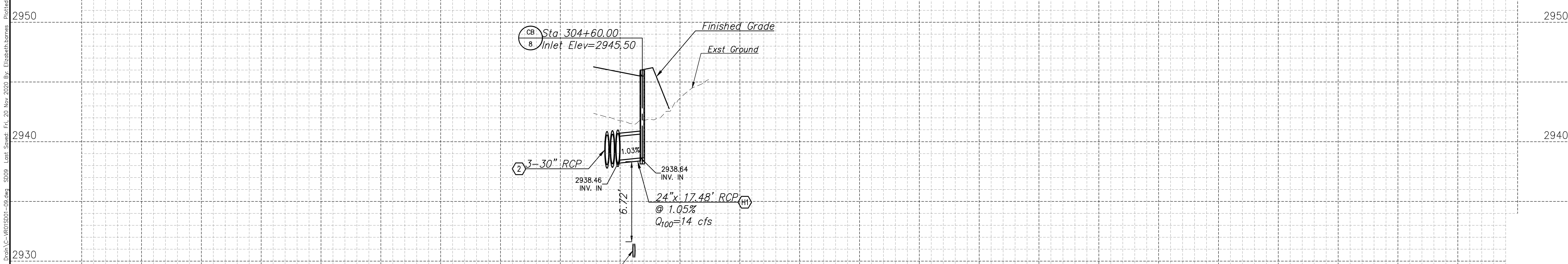
DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Storm Drain Plan & Profile Sheets				SD08 OF SD09
APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__	53 OF 65
			TRANSPORTATION DIRECTOR	
			REF. _____	SCALE: _____
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT 11/20	PLAN NO. I-2020-021	



SEE SHEET SD08
MATCHLINE STA 300+00

300+00 301+00 302+00 303+00 304+00 305+00 306+00 307+00 308+00 309+00 310+00 311+00



DRAFT

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
Call 811 or click Arizona811.com

PSOMAS					
333 E. Wetmore Road, Suite 450 Tucson, AZ 85705 (520) 292-2300 (520) 292-1200 fax www.psomas.com					
NO.	DATE	REVISION	BY	CHKD.	APPR.

CITY OF TUCSON

DRAFT
30% Plans
NOT FOR
CONSTRUCTION

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB RD TO HOUGHTON RD Storm Drain Plan & Profile Sheets				SD09 OF SD09
APPROVALS	SIGNATORY	DATE	APPROVED _____ 20__	54 OF 65
			TRANSPORTATION DIRECTOR	
			REF. _____	
			SCALE: _____	
DRWN. BY EB/CM 11/20	DSGN. BY EB/CZ 11/20	CHKD. BY KT 11/20	PLAN NO. I-2020-021	

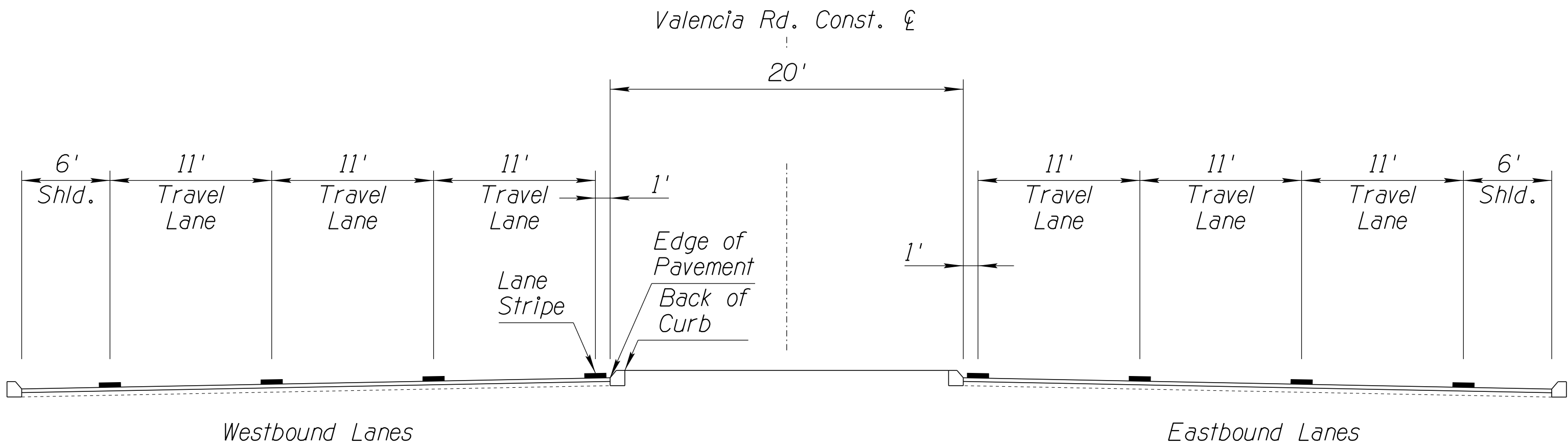
PAVEMENT MARKING GENERAL NOTES

1. ALL EQUIPMENT/MATERIALS AND CONSTRUCTION SHALL MEET OR EXCEED THE REQUIREMENTS CONTAINED IN THE CURRENT PIMA COUNTY/CITY OF TUCSON (PC/COT) STANDARD SPECIFICATIONS AND THE STANDARD DETAILS FOR PUBLIC IMPROVEMENTS, THE SPECIAL PROVISIONS AND THE APPROVED PLANS. ALL PAVEMENT MARKING SHALL BE INSTALLED IN ACCORDANCE WITH THE PC/COT PAVEMENT MARKING DESIGN MANUAL AND APPLICABLE AMENDMENTS.
2. THE STRIPING CONTRACTOR SHALL CONTACT THE CITY OF TUCSON TRAFFIC ENGINEER AT LEAST THREE WORKING DAYS IN ADVANCE OF ANY PAVEMENT MARKING LAYOUT BEING INSTALLED TO SCHEDULE INSPECTION AND APPROVAL OF PAVEMENT MARKINGS DURING NORMAL BUSINESS HOURS MONDAY THROUGH FRIDAY, STATE HOLIDAYS EXCLUDED.
3. UPON APPROVAL OF THE PAVEMENT MARKING LAYOUT, THE CITY OF TUCSON TRAFFIC ENGINEER WILL ISSUE WRITTEN AUTHORIZATION TO THE CONTRACTOR TO PROCEED WITH INSTALLING ALL PAVEMENT MARKINGS AND ASSOCIATED REFLECTIVE RAISED PAVEMENT MARKERS.
4. THE PERMANENT PAVEMENT MARKINGS MAY BE MODIFIED AS DIRECTED AND APPROVED BY THE TRAFFIC ENGINEER OR THEIR DESIGNEE.
5. THE DESIGN SPEED FOR VALENCIA ROAD IS 50 M.P.H. THE POSTED SPEED LIMIT IS 45 M.P.H. THE DESIGN SPEED ON OLD VAIL ROAD IS 50 M.P.H. THE POSTED SPEED LIMIT IS 45 M.P.H. THE DESIGN SPEED ON NEXUS ROAD IS 40 M.P.H. THE POSTED SPEED IS 35 M.P.H. THE DESIGN VEHICLE IS WB-62 AND PASSENGER CAR.
6. ALL LANE DIMENSIONS ARE MEASURED FROM THE CENTER OF LANE LINE, CENTER OF DOUBLE LANE LINE, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
7. THE PAVEMENT MARKING DRAWINGS ARE SCHEMATIC ONLY. THE CONTRACTOR SHALL FOLLOW ALL DIMENSIONS, APPLICABLE MARKING DETAILS, AND SPECIFIED CITY OF TUCSON STANDARDS WHEN INSTALLING PAVEMENT STRIPING, SYMBOLS, LEGENDS AND MARKERS.
8. PAINTED LAYOUT STRIPING SHALL BE 15 MILS (0.015") THICK, WATER BASED PAINT PLACED ON THE FINAL PAVEMENT SURFACE WITH 8 POUNDS PER GALLON OF AASHTO M 247-13 TYPE I GLASS BEADS WITH ADHESION/MOISTURE PROOF COATING. PAINTED LAYOUT STRIPING SHALL BE INSTALLED WITHIN FIVE WORKING DAYS OF THE FINAL PAVEMENT SURFACE BEING COMPLETED.
9. PAINTED SYMBOLS AND LEGENDS SHALL BE APPLIED AT THE SAME TIME AS PAINTED LAYOUT STRIPING, WITH THE EXCEPTION OF BIKE LANE SYMBOLS AND WORDS (SUCH AS STOP, AHEAD, ONLY ETC.).
10. THE FINAL LONGITUDINAL STRIPING SHALL BE 90 MIL (0.090") RIBBON EXTRUDED THERMOPLASTIC REFLECTORIZED STRIPING PLACED OVER THE PAINTED LAYOUT STRIPING WITH A SINGLE DROP OF 10 POUNDS PER 100 SQUARE FEET OF AASHTO M 247-13 TYPE I GLASS BEADS. THE FINAL LONGITUDINAL STRIPING SHALL BE PLACED WITHIN 21 TO 30 CALENDAR DAYS OF THE FINAL PAVEMENT SURFACE BEING COMPLETED. ALL PREVIOUSLY EXEMPTED LONG-LINE MARKINGS SHALL BE APPLIED DURING THE FINAL LONGITUDINAL STRIPING.
11. ALL FINAL TRANSVERSE STRIPING, INCLUDING SYMBOLS AND LEGENDS, SHALL BE 90 MIL (0.090") ALKYD HAND CART EXTRUDED THERMOPLASTIC WITH 10 POUNDS PER 100 SQUARE FEET OF AASHTO M 247-13 TYPE I GLASS BEADS.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF PAVEMENT MARKINGS ON THE FINAL SURFACE COURSE.
13. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE FINAL SURFACE COURSE IS PLACED SO THAT THE CONSTRUCTION JOINT IS NO MORE THAN ONE FOOT OFFSET FROM THE FINAL STRIPING.
14. ALL RETROREFLECTIVE RAISED PAVEMENT MARKERS (RPMs) SHALL BE INSTALLED SO THAT THE REFLECTIVE FACE OF EACH MARKER IS FACING THE DIRECTION OF TRAFFIC AND IS PERPENDICULAR TO THE DIRECTION OF TRAFFIC FLOW. TYPE C OR G PAVEMENT MARKERS SHALL BE INSTALLED SO THAT THE CLEAR (OR WHITE) REFLECTIVE FACE OF EACH MARKER IS FACING APPROACHING TRAFFIC AND PERPENDICULAR TO THE DIRECTION OF TRAFFIC FLOW TO WHICH IT APPLIES.
15. ALL RETROREFLECTIVE RAISED PAVEMENT MARKERS (RRPMs or RPMs) SHALL BE INSTALLED PER THE CURRENT EDITION OF THE PC/COT PAVEMENT MARKING MANUAL AND APPLICABLE AMENDMENTS.
16. ALL REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH SECTION 701 OF THE PC/COT STANDARD SPECIFICATIONS. PAINTING OVER EXISTING STRIPING DOES NOT CONSTITUTE APPROVED STRIPING OBLITERATION.
17. FOR PRIVATE DEVELOPMENT PROJECTS, THE DESIGN CONSULTANT/PROJECT MANAGER SHALL BE REQUIRED TO PRODUCE AS-BUILT STRIPING PLANS WITHIN 90 DAYS OF STRIPING COMPLETION.
18. UNLESS OTHERWISE NOTED, ALL PAVEMENT MARKINGS SHALL BE INSTALLED BY THE CONTRACTOR.
19. UPON FINAL INSPECTION A WRITTEN ACCEPTANCE OR ITEMIZED PUNCHLIST OF MISSING OR UNACCEPTABLE PAVEMENT MARKINGS SHALL BE SUBMITTED TO THE CONTRACTOR AND THE CITY OF TUCSON BY THE TRAFFIC ENGINEER OR DESIGNATED REPRESENTATIVE.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL STRIPING UNTIL THE PROJECT IS APPROVED FOR "CONSTRUCTION ACCEPTANCE" BY THE CITY OF TUCSON (FULLY OPEN TO TRAFFIC, ALL PUNCHLIST ITEMS COMPLETED, AND THE ONE YEAR MINIMUM WARRANTY BEGIN). IF THE PAVEMENT MARKING MATERIAL MANUFACTURER OFFERS A LONGER WARRANTY THE CONTRACTOR SHALL TRANSFER THAT WARRANTY TO THE CITY OF TUCSON.
21. THE PC/COT PAVEMENT MARKING MANUAL IS AVAILABLE ONLINE.
22. WHITE TEMPORARY REFLECTIVE PAVEMENT MARKER TABS SHALL BE USED TO DELINEATE THE GUIDE STRIPE BETWEEN DUAL TURNING LANES (BOTH LEFT AND RIGHT), INSTALLED AT THE SAME TIME AS PAINT AND REPLACED WITH THERMOPLASTIC GUIDE STRIPES WHEN THERMOPLASTIC IS INSTALLED. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING TABS AFTER PERMANENT MARKINGS ARE INSTALLED. THIS IS CONSIDERED INCIDENTAL TO THE PAINTED LAYOUT STRIPING AND PAID FOR UNDER ITEM NO. 7080001.

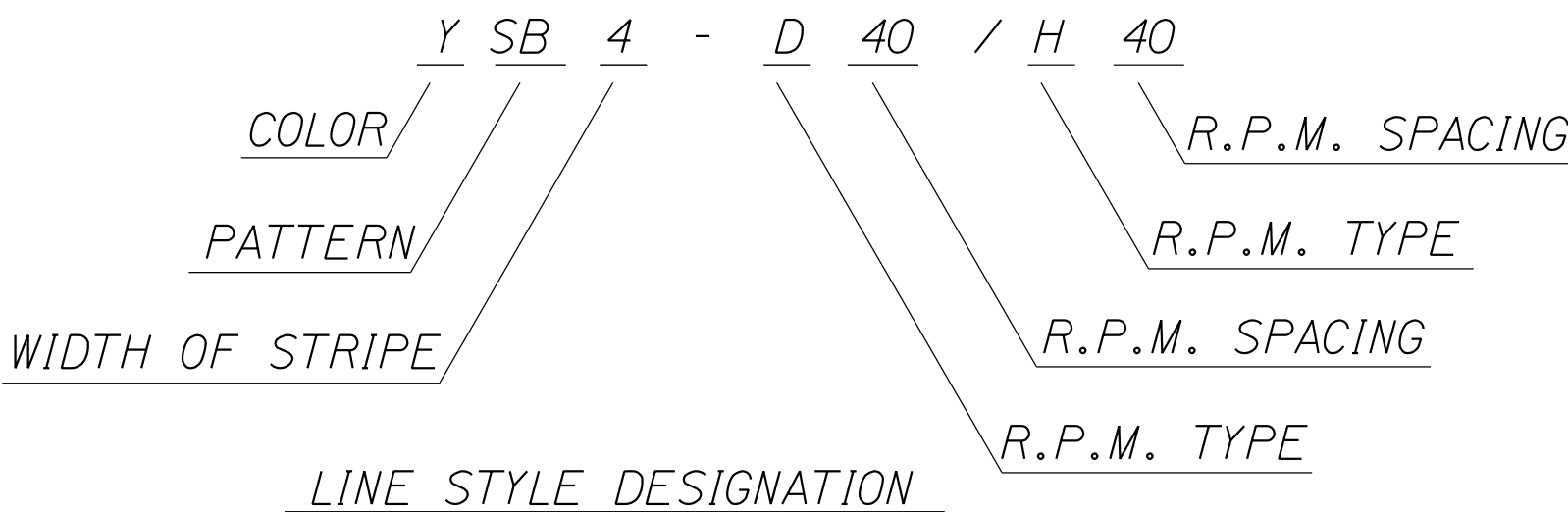
APPROXIMATE PAVEMENT MARKING QUANTITIES

ITEM	BID #	UNIT	TOTAL QUANTITIES
PAVEMENT MARKING (WHITE EXTRUDED THERMOPLASTIC) (0.090")	7040005	L.F.	94,915
PAVEMENT MARKING (YELLOW EXTRUDED THERMOPLASTIC) (0.090")	7040006	L.F.	43,235
PAVEMENT MARKING (WHITE EXTRUDED THERMOPLASTIC) (TRANSVERSE) (0.090")	7040130	L.F.	3,041
PAVEMENT MARKING (YELLOW EXTRUDED THERMOPLASTIC) (TRANSVERSE) (0.090")	7040140	L.F.	-
PAVEMENT MARKING, PREFORMED, TYPE I, SINGLE ARROW	7050030	EACH	27
PAVEMENT MARKING, PREFORMED, TYPE I, MERGE ARROW	7050050	EACH	8
PAVEMENT MARKING, PREFORMED, TYPE I, LEGEND, "ONLY"	7050060	EACH	12
PAVEMENT LEGEND, PREFORMED, TYPE I, BIKE LANE LEGEND AND SYMBOL.	7050080	EACH	-
PAVEMENT MARKING, PREFORMED, TYPE I, LEGEND, NOT ONLY	7050070	EACH	-
PAVEMENT MARKER, REFLECTIVE, (TYPE C, CLEAR, RED)	7060020	EACH	705
PAVEMENT MARKER, REFLECTIVE, (TYPE D, YELLOW, TWO-WAY)	7060025	EACH	32
PAVEMENT MARKER, REFLECTIVE, (TYPE G, CLEAR, ONE-WAY)	7060030	EACH	1,646
PAVEMENT MARKER, REFLECTIVE, (TYPE H, YELLOW, ONE-WAY)	7060035	EACH	-
PAVEMENT MARKER, REFLECTIVE, (TYPE F, BLUE, TWO-WAY)	7060040	EACH	-
PAVEMENT MARKING PAINTED	7080001	L.F.	141,191
PAINTED PAVEMENT SYMBOL OR LEGEND	7080010	EACH	47

ALL PAVEMENT MARKING LENGTHS ARE 4" EQUIVALENT QUANTITIES



VALENCIA ROAD TYPICAL PAVEMENT MARKING DIMENSIONS



LINE STYLE DESIGNATION

SEE 2008 PIMA COUNTY AND CITY OF TUCSON PAVEMENT MARKING DESIGN MANUAL FOR FURTHER DESCRIPTIONS.



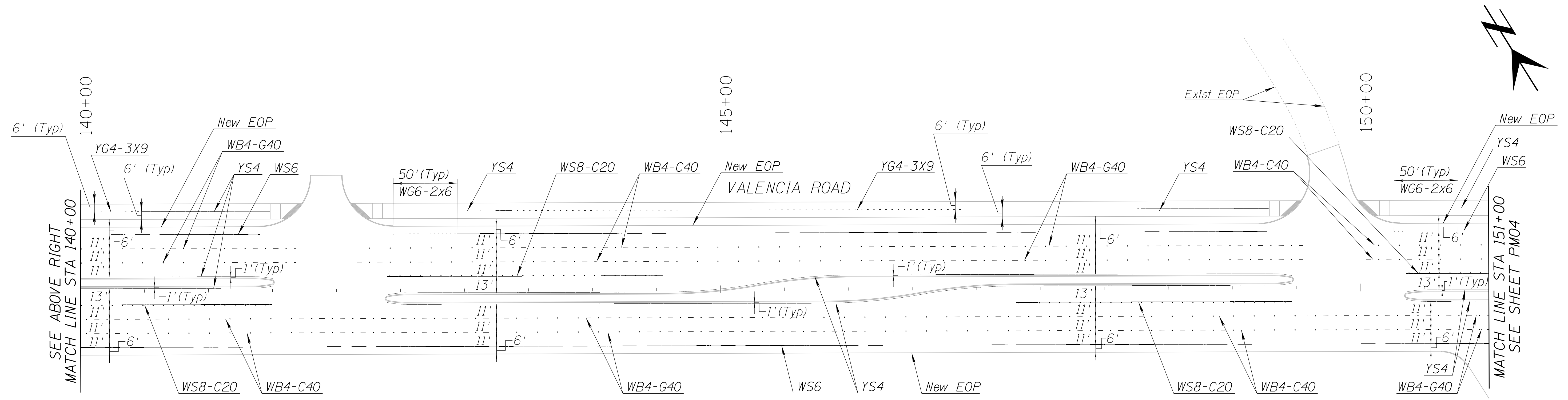
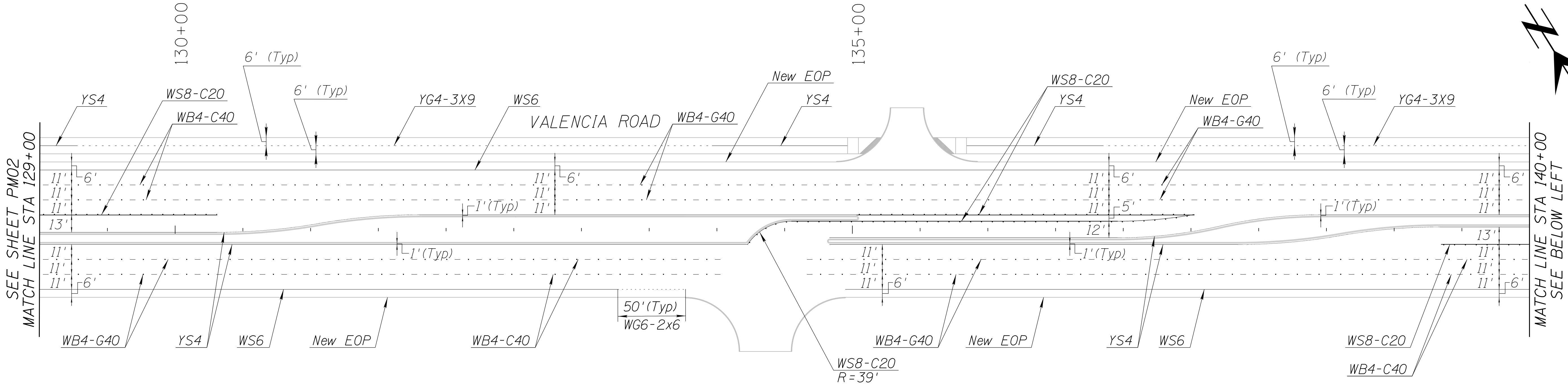
NO.	DATE	REVISION	BY	CHKD.	APPR.

870 N. Thompson Road, Suite 140
Tucson, AZ 85746
T:520.408.1400 F:520.408.1403
www.epsgroupinc.com

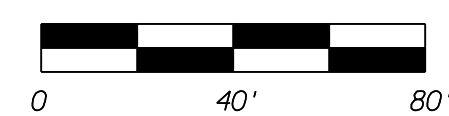
CITY OF
TUCSON

PRELIMINARY
30%
REVIEW
NOT FOR
CONSTRUCTION
OR RECORDING

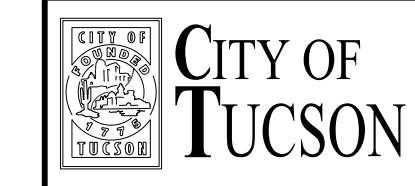
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB ROAD TO HOUGHTON ROAD PAVEMENT MARKING GENERAL NOTES				
Approvals	Signatory	Date	Approved _____ 20__	55 OF 65
TRANSPORTATION DIRECTOR				
REF. _____ SCALE: _____				
PLAN NO. _____				



DRAFT



Two working days before you dig
CALL FOR THE BLUE STAKES
1-800-782-5348

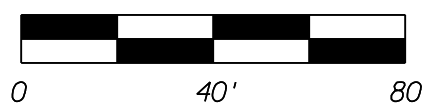


NO.	DATE	REVISION	BY	CHKD.	APPR.

PRELIMINARY
30%
REVIEW
NOT FOR
CONSTRUCTION
OR RECORDING

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION								
VALENCIA ROAD KOLB ROAD TO HOUGHTON ROAD PAVEMENT MARKING PLAN								
Approvals	Signature	Date	Approved _____ 20__	57 OF 65				
TRANSPORTATION DIRECTOR				REF. _____ SCALE: 1" = 40'				
PLAN NO. _____								
DRWN. BY	TAZJB	2020	DSGN. BY	JB	2020	CHKD. BY	JS	2020

DRAFT

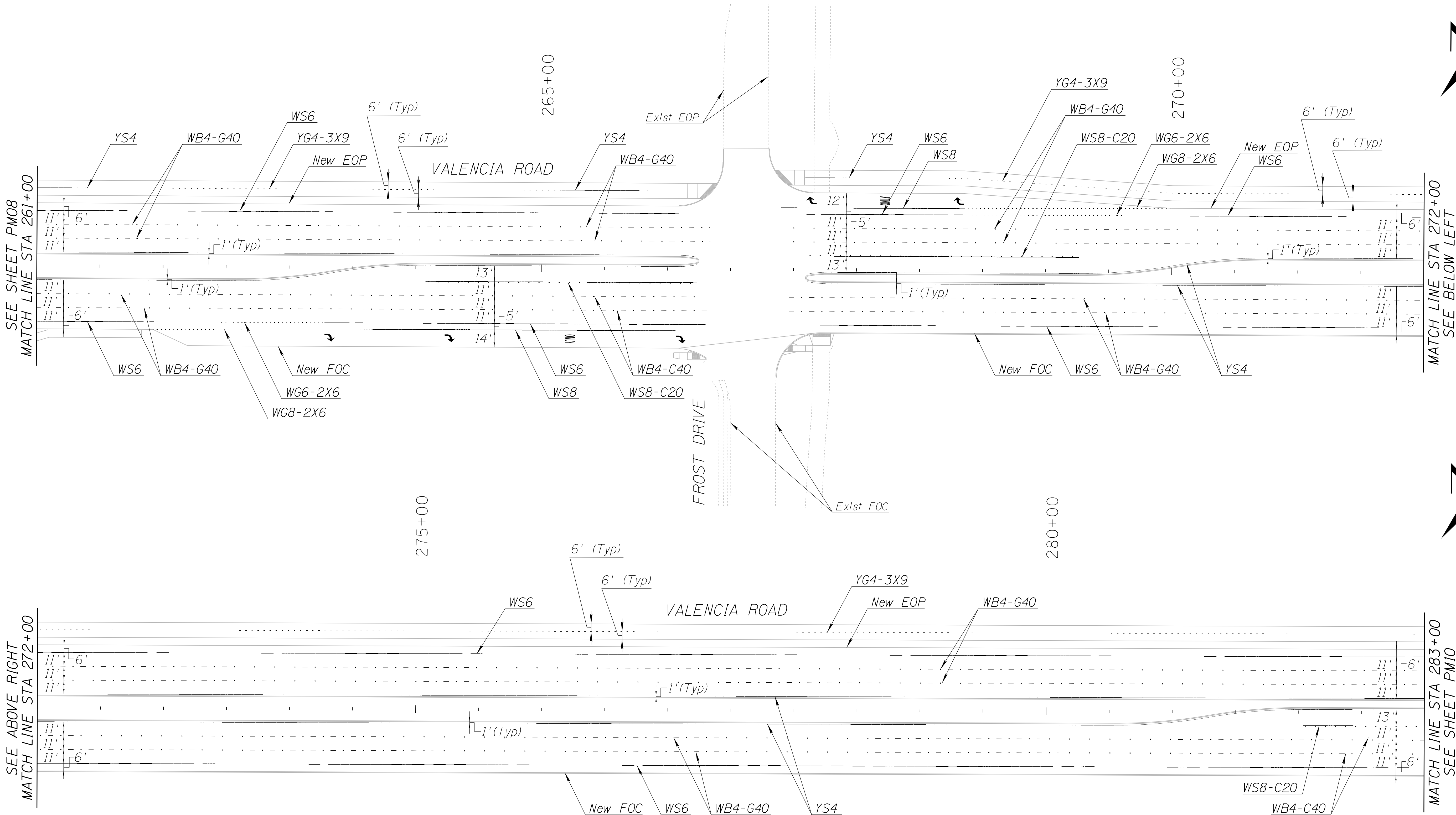


NO.	DATE	REVISION	BY	CHKD.	APPR.

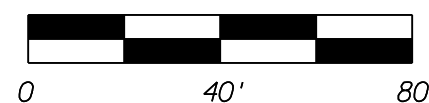
PRELIMINARY
30%
REVIEW
NOT FOR
CONSTRUCTION
OR RECORDING

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB ROAD TO HOUGHTON ROAD PAVEMENT MARKING PLAN				
Approvals	Signature	Date	Approved _____ 20__	60 OF 65
TRANSPORTATION DIRECTOR			REF. _____	SCALE: 1" = 40'
PLAN NO. _____				


PM06 OF PM11



DRAFT



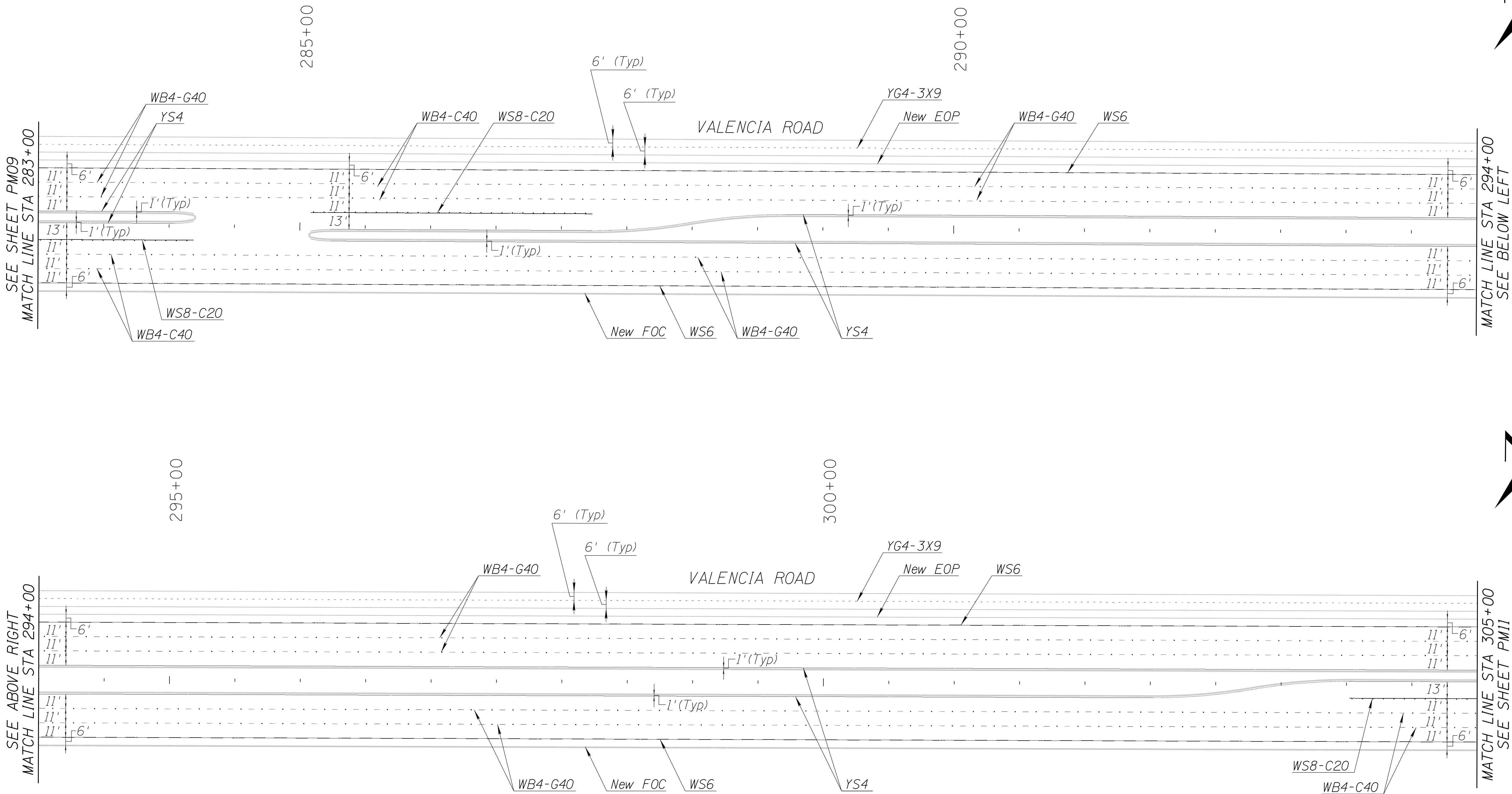
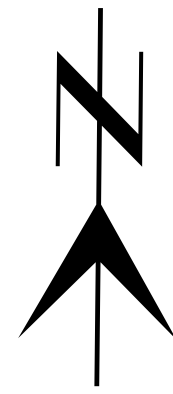
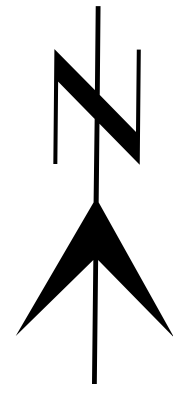
NO.	DATE	REVISION	BY	CHKD.	APPR.



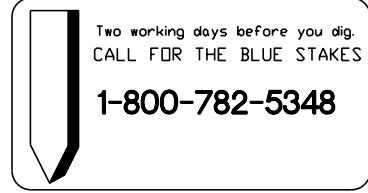
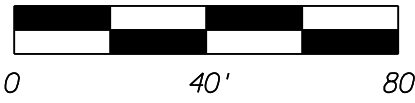
**CITY OF
TUCSON**

PRELIMINARY
30%
REVIEW
NOT FOR
CONSTRUCTION
OR RECORDING

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB ROAD TO HOUGHTON ROAD PAVEMENT MARKING PLAN				
Approvals	Signature	Date	Approved _____ 20__	63 OF 65
TRANSPORTATION DIRECTOR			REF. _____ SCALE: 1" = 40'	
PLAN NO. _____				



DRAFT

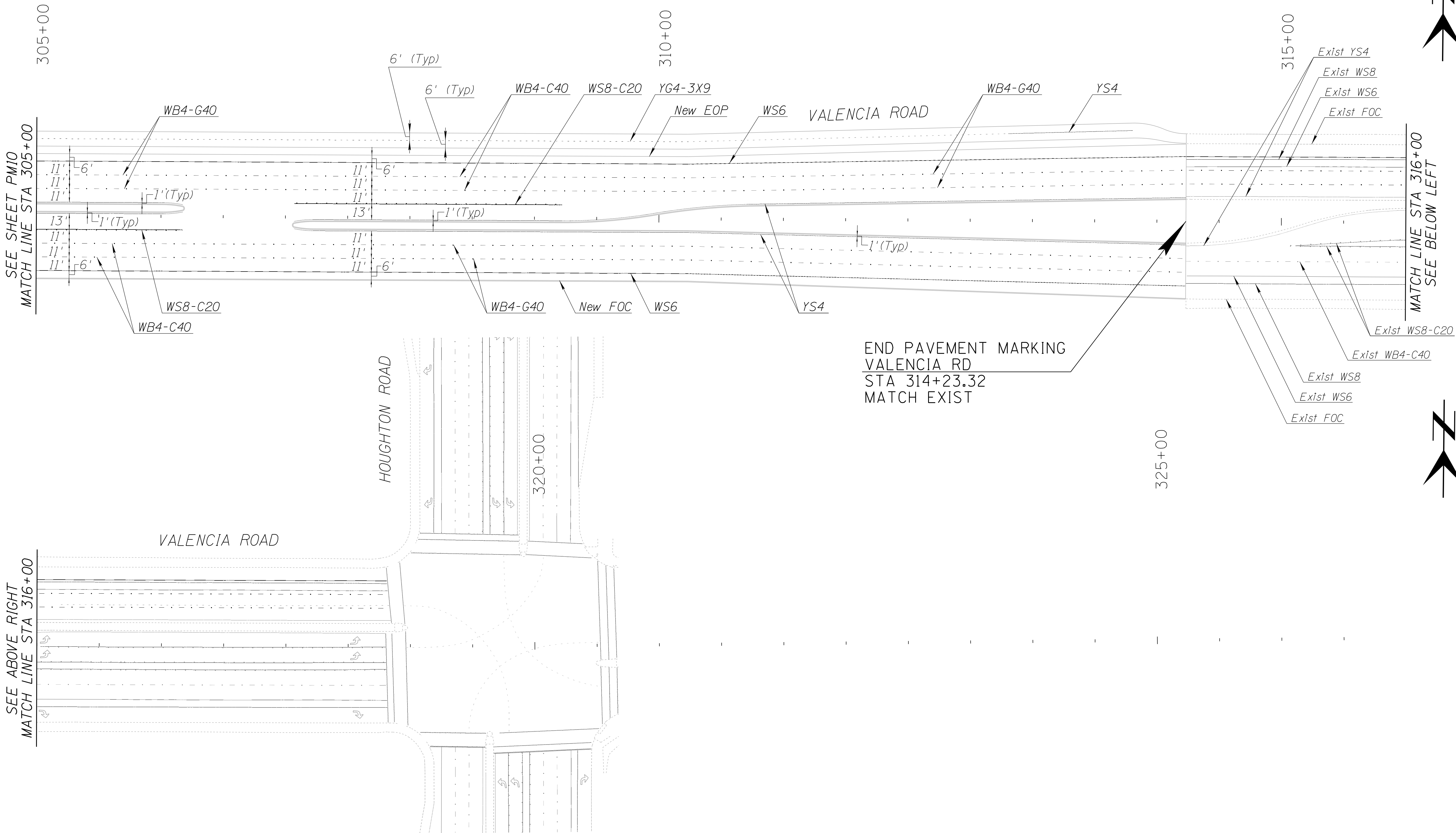


NO.	DATE	REVISION	BY	CHKD.	APPR.

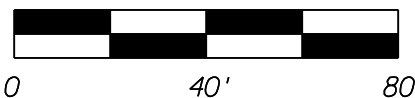
CITY OF
TUCSON

PRELIMINARY
30%
REVIEW
NOT FOR
CONSTRUCTION
OR RECORDING

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION								
VALENCIA ROAD KOLB ROAD TO HOUGHTON ROAD PAVEMENT MARKING PLAN								
Approvals	Signatory	Date	Approved _____ 20__	64 OF 65				
TRANSPORTATION DIRECTOR								
REF. _____ SCALE: 1" = 40'								
PLAN NO. _____								
DRWN. BY	TAZJB	2020	DSGN. BY	JB	2020	CHKD. BY	JS	2020



DRAFT



NO.	DATE	REVISION	BY	CHKD.	APPR.



PRELIMINARY
30%
REVIEW
NOT FOR
CONSTRUCTION
OR RECORDING

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION				
VALENCIA ROAD KOLB ROAD TO HOUGHTON ROAD PAVEMENT MARKING PLAN				
Approvals	Signatory	Date	Approved _____ 20__	65 OF 65
TRANSPORTATION DIRECTOR			REF. _____ SCALE: 1" = 40'	PLAN NO. _____
DRWN. BY TA/JB 2020			DSGN. BY JB 2020	
CHKD. BY JS 2020				