LA CHOLLA BOULEVARD

MAGEE RD.- LAMBERT LN.

PROJECT NUMBER: 4RTLTM

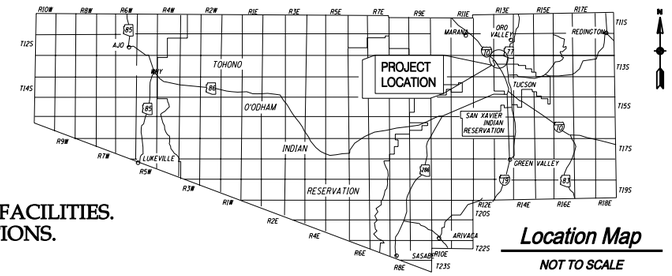
PIMA COUNTY BOARD OF SUPERVISORS

RAMON VALADEZ, CHAIRMAN, DISTRICT 2
ANN DAY, DISTRICT 1 RICHARD ELIAS, DISTRICT 5,
SHARON BRONSON, DISTRICT 3 RAY CARROLL, DISTRICT 4

PROJECT IN SUPERVISOR DISTRICT 1

GENERAL DESCRIPTION OF PROJECT

IMPROVEMENTS TO 3.2 MILES OF LA CHOLLA BOULEVARD FROM MAGEE RD. TO LAMBERT LN.
INCLUDING A FOUR LANE ROADWAY WITH MEDIANS, CURBS, SIDEWALKS, MULTI-USE PATH, AND DRAINAGE FACILITIES.
A NEW BRIDGE WILL BE CONSTRUCTED AT THE CAÑADA DEL ORO WASH TO IMPROVE EXISTING CONDITIONS.

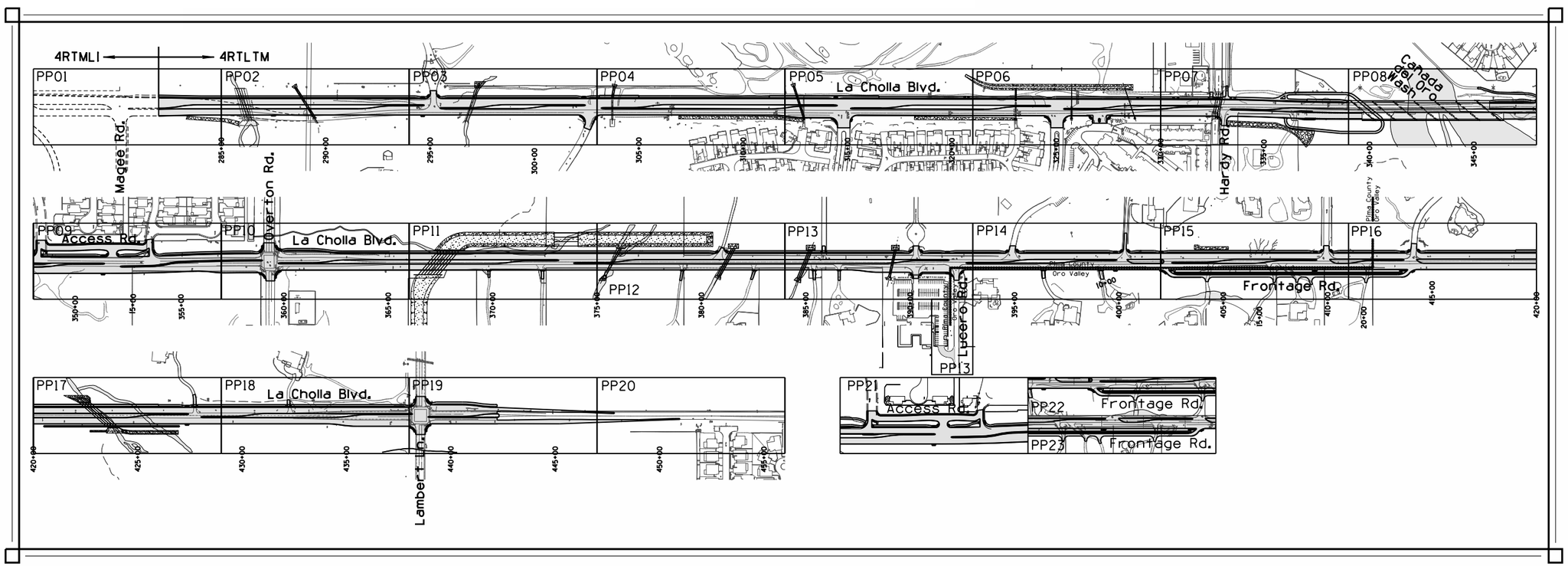


Location Map

NOT TO SCALE

Sections 9,10,15,16,21,22,27,28
T-12-S, R-13-E
&
Sections 33,34
T-11-S, R-13-E,
G & S R & M
Pima County, Arizona

STAGE II (30%)
INITIAL CONSTRUCTION PLANS



Index to Plan and Profile Sheets

NOT TO SCALE

LA CHOLLA BOULEVARD: MAGEE RD. TO LAMBERT LN. – PROJECT NO. 4RTLTM

PIMA COUNTY DOT

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

Pima County Department of Transportation
201 N. Stone Ave. 4th floor Tucson, Arizona 85701
Phone Number: 740-6410
Priscilla S. Cornelio, P.E. Director

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

No.	Revisions	Engineer	Date
No.	As Built	Engineer	Date

PRELIMINARY NOT FOR CONSTRUCTION STAGE II

Reviewed by	Engineer	Date
Mgr. Trans Engr.		
Mgr. Traffic Engr.		
Mgr. Field Engr.		
Mgr. WWM		
Mgr. Tucson Water		

Approved: _____20__

Director

Project No. 4RTLTM | Sheet No. CS01 of CS01 | Page No. 1 of 130

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DESIGN DATA

	2008 ADT	2040 ADT
LA CHOLLA BLVD:	9900 TO 15800 VEHICLES PER DAY	21800 TO 29800 VEHICLES PER DAY

LENGTH OF PROJECT

LA CHOLLA BLVD: 282+00 TO 450+97
3.2 MILES

EARTHWORK QUANTITIES

ITEM #	EARTHWORK QUANTITIES	TOTALS	
2030300	ROADWAY EXCAVATION	70,299	C.Y.
2030401	DRAINAGE EXCAVATION	50,000	C.Y.
	TOTAL SHRINK VALUE	12,030	C.Y.
	ROADWAY EMBANKMENT	126,672	C.Y.
	GROUND COMPACTION	2,000	C.Y.
2030902	BORROW	20,403	C.Y.
	FACTORS: SHRINK=10%	COMPACTION=0.20'	

ABBREVIATIONS

A.B.	Aggregate Base
A.C.	Asphaltic Concrete
ACP	Aluminum Cap Pipe
B.C.R.	Begin Curb Return
BCSM	Brass Cap Survey Marker
Blvd.	Boulevard
℄	Centerline
Conc.	Concrete
Const.	Construction
Cor	Corner
Corr	Correction
CMP	Corrugated Metal Pipe
DE	Drainage Easement
Dtl.	Detail
Dr.	Drive
E	East
E.C.R.	End Curb Return
Elev	Elevation
EOP	Edge of Pavement
Esmt.	Easement
Exist.	Existing
'/ft	Feet per Foot
Fnd.	Found
Grnd.	Ground
Lt.	Left
N	North
NE	Northeast
NO.	Number
NTS	Not to Scale
NW	Northwest
P.C.	Point of Curvature
P.C.C.	Point of Compound Curvature
PGL	Profile Grade Line
P.I.	Point of Intersection
P.O.B.	Point of Beginning
P.O.E.	Point of Ending
P.R.C.	Point of Reverse Curvature
P.T.	Point of Tangency
PVC	Point of Vertical Curvature
PVI	Point of Vertical Intersection
PVRC	Point of Vertical Reverse Curvature
PVT	Point of Vertical Tangency
R	Radius
RCBC	Reinforced Concrete Box Culvert
RCP	Reinforced Concrete Pipe
Rd.	Road
RLS	Registered Land Surveyor
Rt.	Right
R/W	Right of Way
S	South
SD	Storm Drain
SDs	Stopping Sight Distance
SE	Southeast
Sec	Section
Shldr	Shoulder
Sta.	Station
Std.	Standard
SW	Southwest
TCE	Temporary Construction Easement
Typ.	Typical
Util.	Utility
VC	Vertical Curve
W	West
WSE	Water Surface Elevation

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II
SUBMITTAL
PRELIMINARY-
NOT FOR
CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

GENERAL NOTES
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

Pima County Department of Transportation

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brian_ravesloot

1. CONSTRUCTION SHALL CONFORM TO THE PIMA COUNTY/CITY OF TUCSON STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC IMPROVEMENTS, 2003 EDITION EXCEPT AS MODIFIED BY THE SPECIAL PROVISIONS. IN ADDITION, THE CONTRACTOR SHALL CONFORM TO THE MAY 2007 ADOT CONSTRUCTION DRAWING (C-SERIES) AND THE JUNE 1992 ADOT STANDARD DRAWING (B-SERIES) PLUS CURRENT REVISIONS TO EITHER SERIES.

2. UTILITIES LOCATIONS SHOWN ON PLANS WERE COMPILED BASED ON THE BEST INFORMATION AVAILABLE TO THE DEPARTMENT, 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. CONTACT "BLUE STAKE" AT 1-800-782-5348 TWO FULL WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION (SATURDAYS AND SUNDAYS ARE NOT CONSIDERED WORKING DAYS.)

3. CONSTRUCTION ZONE TRAFFIC CONTROL SHALL CONFORM TO THE REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" 2003 EDITION, THE PROJECT PLANS AND THE SPECIAL PROVISIONS. MOST ELEMENTS OF WORK WILL BE INCLUDED IN A LUMP SUM PAY ITEM. HOWEVER SEE TRAFFIC CONTROL PLANS, BID SCHEDULE AND SPECIAL PROVISIONS FOR SPECIFIC INFORMATION.

4. RIGHT-OF-WAY ENCROACHMENTS SHALL BE REMOVED ONLY BY ORDER OF PIMA COUNTY, UNLESS OTHERWISE NOTED.

5. REMOVAL OF ALL CACTI AND NATIVE PLANTS SHALL BE IN ACCORDANCE WITH THE PIMA COUNTY ENVIRONMENTALLY SENSITIVE ROADWAY DESIGN GUIDELINES AND REGIONAL FLOOD CONTROL DISTRICT RIPARIAN ORDINANCE.

6. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS, IN PARTICULAR, SHORING OF TRENCHES AND EXCAVATIONS.

7. CONTRACTOR SHALL ADJUST ALL WATER METERS, VALVE BOXES, STORM DRAIN MANHOLES, AND SEWER MANHOLES AND CLEAN OUTS TO FINISH GRADE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE OTHER ITEMS OF WORK, EXCEPT WHEN THE BIDDING SCHEDULE CONTAINS SPECIFIC ITEMS ON A UNIT BASIS.

8. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED BY ALL GOVERNMENTAL AGENCIES. CONTRACTOR AND PIMA COUNTY TO OBTAIN SEPARATE AZPOES PERMITS WITH SEPARATE NOI AND NOT FILING. FOR WORK BEYOND THE SCOPE OF THE PROJECT LIMITS, PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL OBTAIN A SEPARATE FLOODPLAIN AND/OR GRADING PERMIT PRIOR TO COMMENCING SUCH WORK.

9. DESIGN SPEED: 50 MPH, LA CHOLLA

10. DESIGN VEHICLE IS WB-50 FOR THE PROJECT WITH THE EXCEPTION OF THE FRONTAGE ROAD AND ACCESS ROAD WHICH USES A SU-30 DESIGN VEHICLE.

11. THE BASIS OF BEARINGS S89^39'00.18"W AS MEASURED BETWEEN PIMA COUNTY DOT-CITY OF TUCSON GEODETIC CONTROL POINT (7)T13 AND PIMA COUNTY DOT CITY OF TUCSON CONTROL POINT (7)T01.

12. BASIS OF ELEVATION: PIMA COUNTY SURVEY CONTROL POINT UCD1010, DESIGNATION MAG 3. ELEVATION BEING 2388.10 NAVD88

13. THE CONTRACTOR SHALL INSTALL ALL PERMANENT PAVEMENT MARKINGS, AND ALL PERMANENT TRAFFIC CONTROL SIGNS.

14. SOILS INFORMATION WILL BE MADE AVAILABLE TO PROSPECTIVE BIDDERS IN THE PROJECT SPECIAL PROVISIONS. SOILS INFORMATION MAY BE MADE AVAILABLE SEPARATE FROM THE SPECIAL PROVISIONS BUT AT THE TIME OF BIDDING. SOILS INFORMATION SO PROVIDED SHALL BE FOR INFORMATION PURPOSES ONLY, AND IS NOT TO BE CONSIDERED A PART OF THE CONTRACT DOCUMENTS. THIS INFORMATION WAS DEVELOPED AS ACCURATELY AS POSSIBLE BY THE METHODS USED. PIMA COUNTY ACCEPTS NO RESPONSIBILITY FOR ANY CONDITIONS ENCOUNTERED WHICH VARY FROM THE INFORMATION PROVIDED.

15. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ADJUST ALL SANITARY SEWER MANHOLE STRUCTURES TO FINISHED GRADE. ALL RING AND COVER ADJUSTMENTS ARE TO BE IN ACCORDANCE WITH PIMA COUNTY/CITY OF TUCSON STANDARD DETAILS FOR PUBLIC IMPROVEMENTS WWM304, WWM305 OR WWM306 (AS APPLICABLE) AND WWM307.

16. THE PAVEMENT STRUCTURAL SECTIONS ARE FROM THE PAVEMENT DESIGN SUMMARY REPORT DATED DEC. 17, 2009. THE REPORT ASSUMES THE SUBGRADE MATERIAL WILL HAVE A MINIMUM R- VALUE OF 35. ALL BORROW MATERIALS SHALL HAVE A MINIMUM R- VALUE OF 35.

17. THE CONTRACTOR'S ATTENTION IS CALLED TO THE LIMITED AREA AVAILABLE ON THE SITE FOR EXCAVATION, EMBANKMENT AND OTHER CONSTRUCTION ACTIVITIES.

18. EXISTING CONDITIONS SHOWN ON PLAN SHEETS REFLECT CONDITIONS AS OF MAY, 2009.

19. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS, ALLEYS, AND MAILBOXES DURING CONSTRUCTION. THE CONTRACTOR WILL NOT RESTRICT EMERGENCY VEHICLES, U.S. POSTAL DELIVERY, SOLID WASTE COLLECTIONS, AND/OR ACCESS TO THE ADJACENT PROPERTIES, EXCEPT AS APPROVED BY THE ENGINEER.

20. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FURNISH, HAUL, AND APPLY ALL WATER REQUIRED FOR COMPACTION, AND FOR THE CONTROL OF DUST FROM CONSTRUCTION ACTIVITY. THE COST FOR THIS WORK IS TO BE INCLUDED IN THE CONSTRUCTION PRICE.

21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CARE, MAINTENANCE, REPAIR OR REPLACEMENT OF EXISTING IMPROVEMENTS IN THE WORK AREA WHICH HAVE BEEN REMOVED OR DAMAGED DURING THE COURSE OF CONSTRUCTION. ALL REPAIR, REPLACEMENT, OR CLEANUP SHALL BE DONE TO THE SATISFACTION OF THE OWNER.

22. OMISSIONS OR CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE DRAWINGS, NOTES AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND RESOLVED BEFORE PROCEEDING WITH THE WORK.

23. ANY REVISIONS MADE TO THESE PLANS MUST BE APPROVED BY PIMA COUNTY DEPARTMENT OF TRANSPORTATION FIELD ENGINEERING DEPARTMENT, 740-2661 PRIOR TO CONSTRUCTION.

24. A COPY OF THESE PLANS SHALL BE KEPT IN AN EASILY ACCESSIBLE LOCATION ON THE SITE AT ALL TIMES DURING CONSTRUCTION.

25. ANY EXCESS EXCAVATED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE REMOVED FROM PROJECT SITE BY THE CONTRACTOR.

26. ALL STATIONING SHOWN ON THE PLANS AND PROFILES IS ALONG THE CONSTRUCTION CENTERLINE UNLESS OTHER WISE NOTED.

27. ALL SURVEY MONUMENTS SHALL BE ESTABLISHED BY A LAND SURVEYOR REGISTERED IN THE STATE OF ARIZONA, AND A RECORD OF SURVEY WILL BE PROVIDED.

28. DIMESIONS SHALL NOT BE SCALED FROM DRAWINGS.

29. THE DISCOVERY OF HUMAN REMAINS DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE TO STATE LAWS.

30. FLOW MANAGEMENT PLANS SHALL BE SUBMITTED TO PCRWRD FIELD ENGINEERING AT LEAST 30 DAYS PRIOR TO THE PROJECTED PRE-CONSTRUCTION MEETING.

31. SWPPP MEASURES SHALL BE INSTALLED SO AS TO PREVENT ALL STORM WATER, CONSTRUCTION WATER, FUELS, CHEMICALS, OR LIQUIDS TO BE DIRECTED INTO OR ONTO ANY SANITARY SEWER FACILITIES. PROTECTION OF SANITARY SEWERS FACILITIES SHALL BE PART OF THE APPROVED CONSTRUCTION SWPPP AND BEST MANAGEMENT PRACTICES. PROTECTION DEVICES SHALL BE INSTALLED AND MAINTAINED AROUND ALL POTENTIALLY AFFECTED SANITARY SEWER FACILITIES WITHIN THE PROJECT LIMITS. ADDITIONAL MEASURES SHALL INCLUDE BUT NOT BE LIMITED TO THE USE OF RAIN STOPPERS AND WATERPROOF MANHOLE COVERS AS DEEMED NECESSARY BY THE PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT.

32. ANY MANHOLE CONSTRUCTION OR RECONSTRUCTION SHALL CONFORM TO WJVM 304, 305, 306 & 307.

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

GENERAL NOTES
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

Pima County Department of Transportation

Sheet GN2 of GN2

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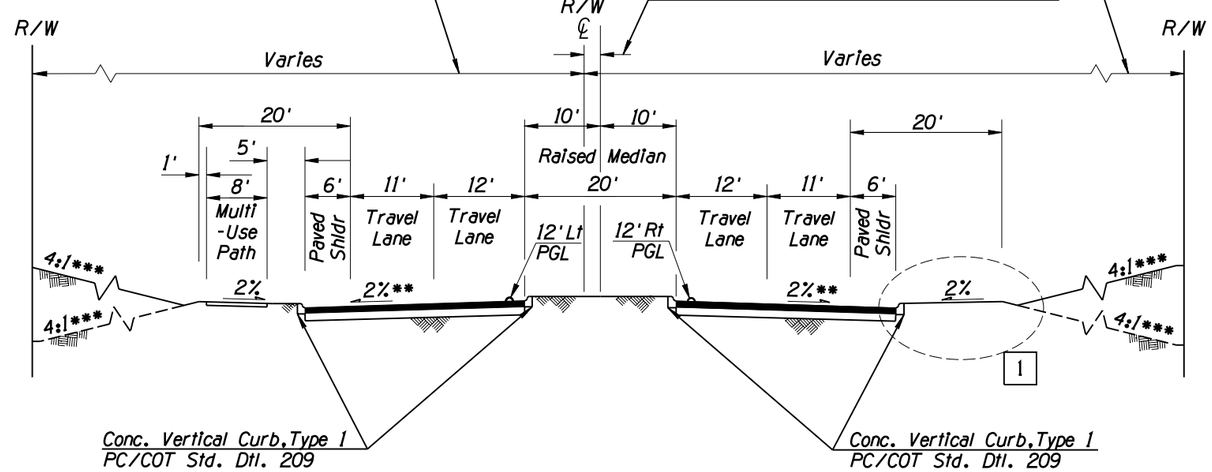
Project R/W Limits (Left of R/W ℄):
Exist R/W,100'-Sta. 282+00.00 to Sta. 312+00.41
New R/W,100'-Sta. 312+00.41 to Sta. 314+98.96
Exist R/W,100'-Sta. 314+98.96 to Sta. 318+44.49
New R/W,100'-Sta. 318+44.49 to Sta. 321+08.19
Exist R/W,100'-Sta. 321+08.19 to Sta. 329+62.73
Exist R/W,75'-Sta. 329+62.73 to Sta. 332+95.55
New R/W,75'-Sta. 332+95.55 to Sta. 338+67.90
New R/W,100'-Sta. 338+67.90 to Sta. 344+02.38
Exist R/W,100'-Sta. 344+02.38 to Sta. 358+35.83
New R/W,80'-Sta. 360+05.84 to Sta. 385+53.11
Exist R/W,75'-Sta. 386+77.51 to Sta. 394+24.32
New R/W,75'-Sta. 394+24.32 to Sta. 402+26.89
Exist R/W,75'-Sta. 402+26.89 to Sta. 409+46.76
Exist R/W,75'-Sta. 410+41.76 to Sta. 437+55.43

Project R/W Limits (Right of R/W ℄):
Exist R/W,100'-Sta. 282+00.00 to Sta. 306+50.32
Exist R/W,75'-Sta. 306+50.32 to Sta. 332+92.76
New R/W,Varies:75' to 125'-Sta. 333+68.76 to Sta. 338+61.16
New R/W,125'-Sta. 338+61.16 to Sta. 347+00.00
New R/W,Varies:125' to 85'-Sta. 347+00.00 to Sta. 350+47.49
New R/W,85'-Sta. 350+47.49 to Sta. 358+65.22
New R/W,75'-Sta. 360+05.22 to Sta. 372+56.55
New R/W,85'-Sta. 372+56.53 to Sta. 388+67.78
Exist R/W,75'-Sta. 388+67.78 to Sta. 391+67.25
New R/W,75'-Sta. 392+77.25 to Sta. 398+96.74
New R/W,85'-Sta. 398+96.73 to Sta. 437+55.12

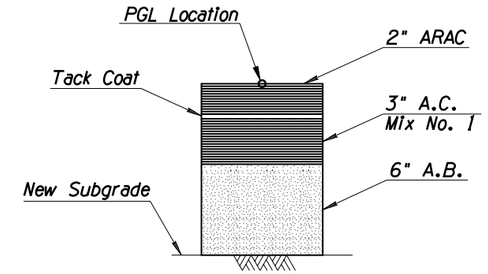
Varies: 2.31' to 0' From
Sta. 282+00.00 to Sta. 306+50.16
Varies: 0' to 15' From
Sta. 332+89.62 to Sta. 338+61.16
15' From Sta 338+61.16 to Sta 352+13.60
Varies: 15' to 0'
Sta 352+13.61 to Sta 358+00.00



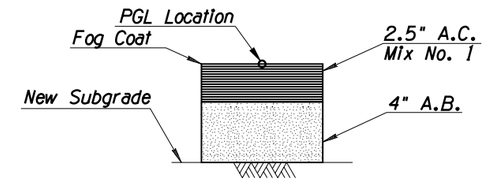
SOUTHBOUND NORTHBOUND

LA CHOLLA BOULEVARD
TYPICAL SECTION

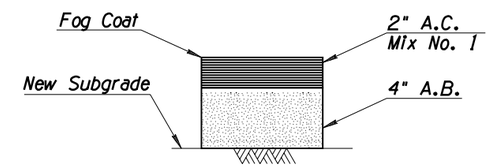
Sta. 283+86.86 to Sta. 291+55.18
Sta. 298+64.64 to Sta. 299+27.07
Sta. 306+38.34 to Sta. 311+33.58
Sta. 318+31.29 to Sta. 321+55.69
Sta. 328+51.94 to Sta. 329+62.27
Sta. 363+04.08 to Sta. 369+99.71
Sta. 377+05.30 to Sta. 388+69.57
Sta. 395+84.95 to Sta. 396+74.74
Sta. 400+38.95 to Sta. 402+15.71
Sta. 405+73.51 to Sta. 406+31.45
Sta. 410+10.36 to Sta. 410+84.75
Sta. 414+25.75 to Sta. 424+26.83
Sta. 431+20.31 to Sta. 434+35.19



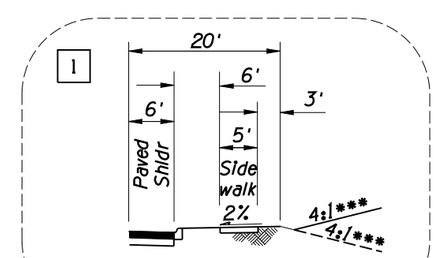
Total Thickness=11"
PAVEMENT STRUCTURAL SECTION NO. 1 (NTS)
La Cholla Blvd.



Total Thickness=6.5"
PAVEMENT STRUCTURAL SECTION NO. 2 (NTS)
Frontage Rd., Access Rd.



Total Thickness=6"
PAVEMENT STRUCTURAL SECTION NO. 3 (NTS)
Multi-Use Pathways, Driveways



Sta. 318+31.29 to Sta. 321+55.69
Sta. 328+51.94 to Sta. 329+62.27

Notes:
1. See sheet TS07 for wall and slope protection locations.

** Roadway Cross Slope Varies, See Plan & Profiles for Superelevation Diagram.
*** Slope Varies, See Slope Table Sheet TS _

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

Scale	Horiz. 1"= 10' / Vert. 1"= NA	Sheet TS01 of TS09	Page 4 of 130

Pima County Department of Transportation
Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

TYPICAL SECTIONS
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

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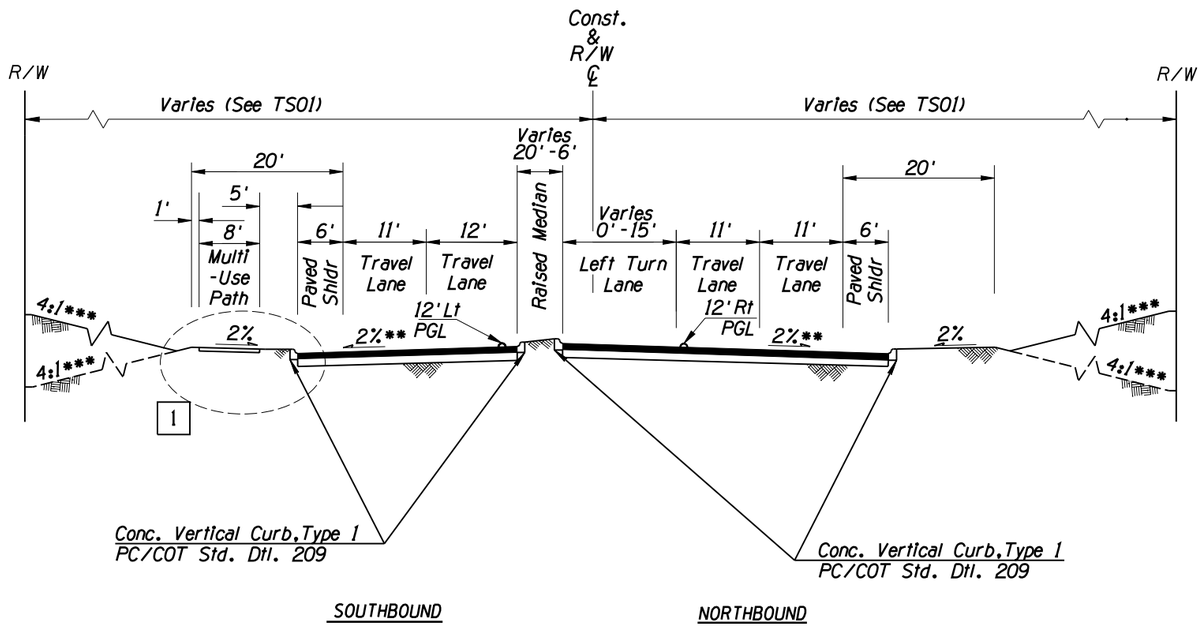
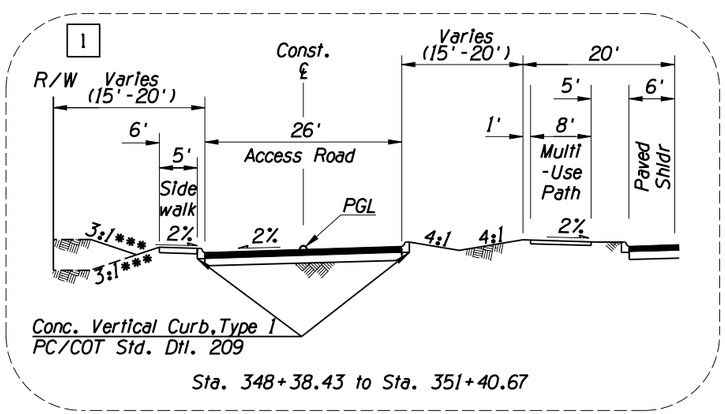


LA CHOLLA BOULEVARD
TYPICAL SECTION

Sta. 299+27.07 to Sta. 302+43.82
Sta. 311+33.58 to Sta. 314+50.33
Sta. 321+55.69 to Sta. 324+72.44
Sta. 329+62.27 to Sta. 332+79.01
Sta. 348+30.87 to Sta. 351+40.67
Sta. 369+99.71 to Sta. 373+16.46
Sta. 396+74.74 to Sta. 399+90.54
Sta. 406+31.45 to Sta. 409+48.19
Sta. 410+84.75 to Sta. 413+65.67
Sta. 424+26.83 to Sta. 427+43.56



Sta. 348+38.43 to Sta. 351+40.67

Notes:
1. See sheet TS07 for wall and slope protection locations.

** Roadway Cross Slope Varies, See Plan & Profiles for Superelevation Diagram.
*** Slope Varies, See Slope Table Sheet TS _

Arizona Blue Stake
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Scale	Horiz. 1"= 10'	Sheet TS02 of TS09	Page 5 of 130
	Vert. 1"= NA		

Priscilla S. Cornelio P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

STAGE II
SUBMITTAL
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Pima County Department of Transportation

TYPICAL SECTIONS
LA CHOLLA BLVD.
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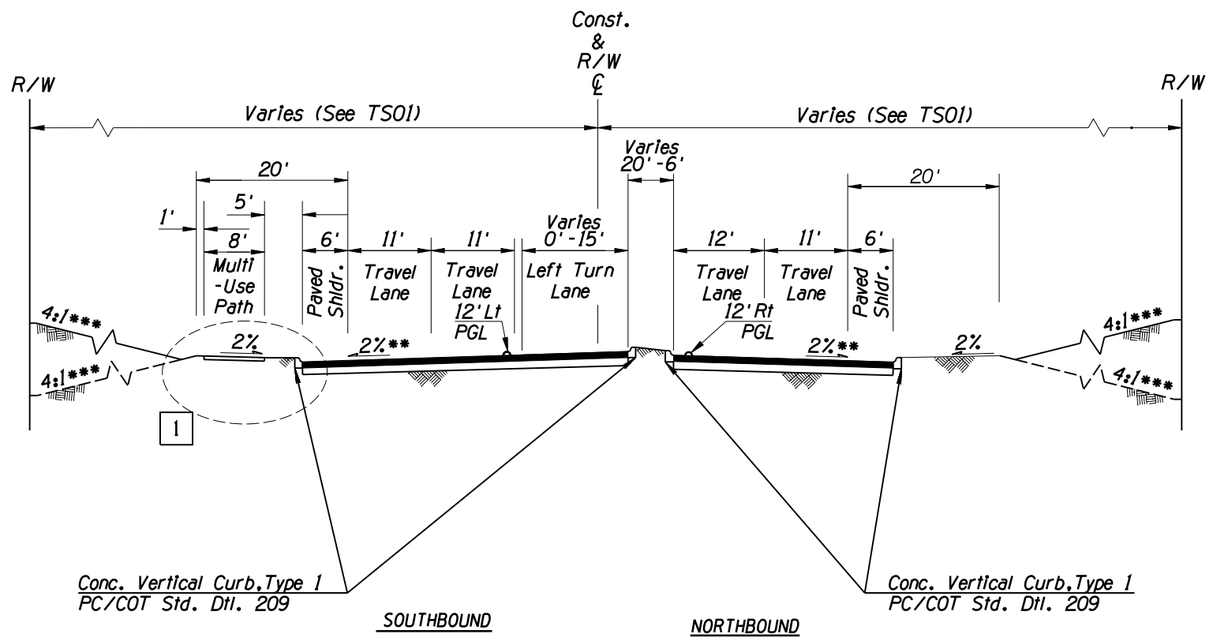
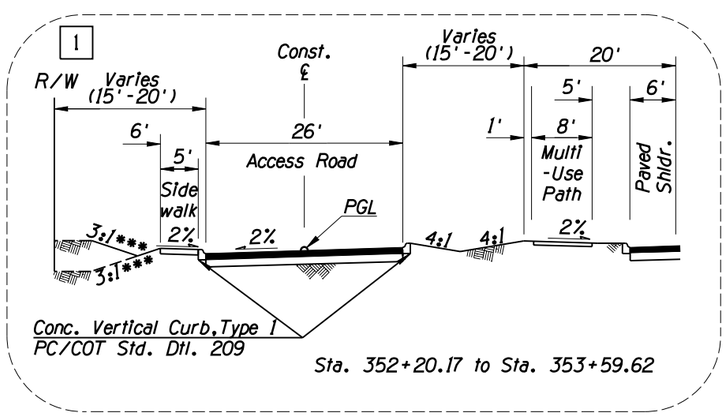
brian_ravesloot



LA CHOLLA BOULEVARD
TYPICAL SECTION

Sta. 282+00.00 to Sta. 283+86.86
Sta. 295+47.89 to Sta. 298+64.64
Sta. 303+20.16 to Sta. 306+38.34
Sta. 315+14.54 to Sta. 318+31.29
Sta. 325+35.19 to Sta. 328+51.94
Sta. 333+33.39 to Sta. 336+43.41
Sta. 352+20.17 to Sta. 355+33.87
Sta. 373+88.78 to Sta. 377+05.30
Sta. 392+68.20 to Sta. 395+84.95
Sta. 402+53.57 to Sta. 405+73.51
Sta. 428+03.57 to Sta. 431+20.31



Sta. 352+20.17 to Sta. 353+59.62

Notes:
1. See sheet TS07 for wall and slope protection locations

** Roadway Cross Slope Varies, See Plan & Profiles for Superelevation Diagram.
*** Slope Varies, See Slope Table Sheet TS _

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

Scale	Horiz. 1"= 10' / Vert. 1"= NA	Sheet TS03 of TS09	Page 6 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

STAGE II
SUBMITTAL
PRELIMINARY-
NOT FOR
CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

TYPICAL SECTIONS
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

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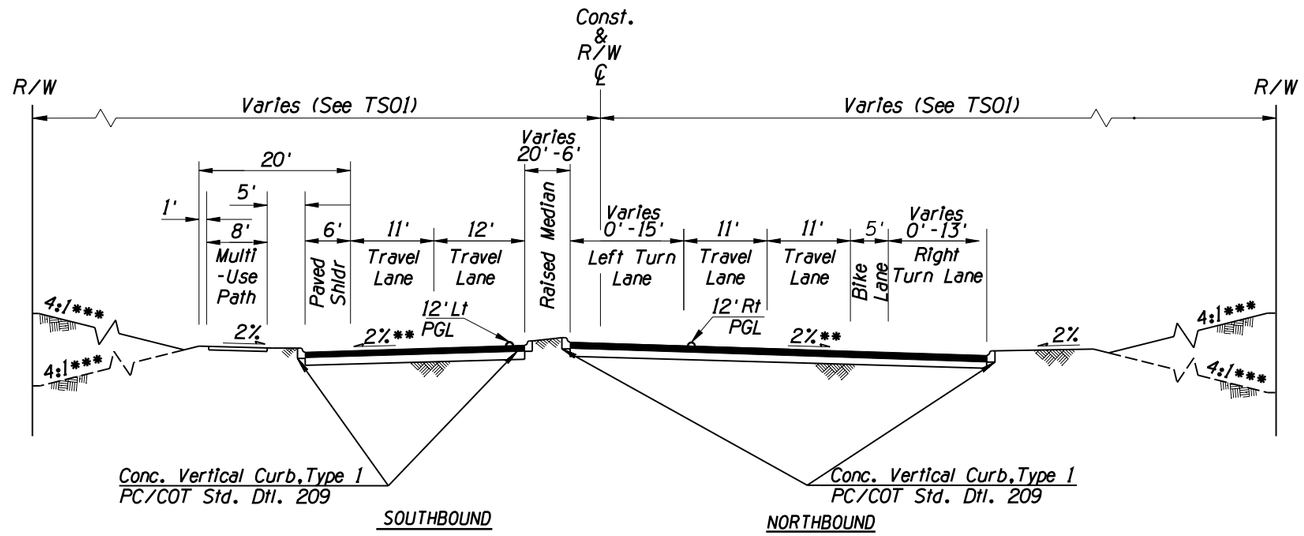
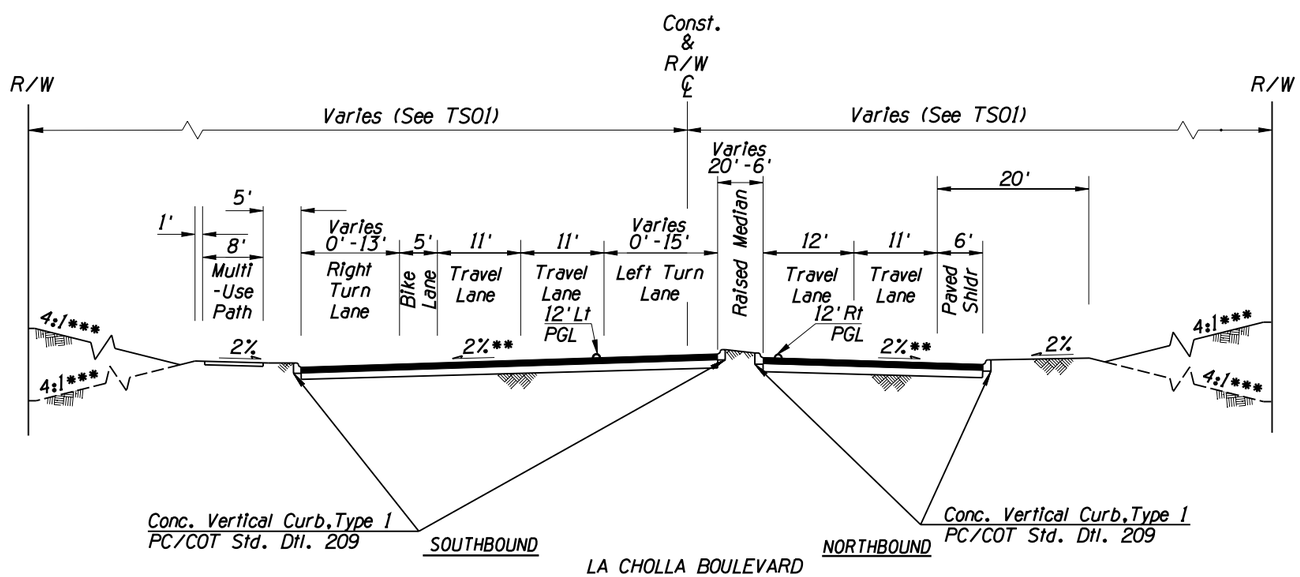
brian_ravesloot



LA CHOLLA BOULEVARD
TYPICAL SECTION

Sta. 311+33.58 to Sta. 314+50.33
Sta. 355+76.91 to Sta. 358+97.78
Sta. 388+69.57 to Sta. 391+86.32
Sta. 433+97.75 to Sta. 438+15.94



LA CHOLLA BOULEVARD
TYPICAL SECTION

Sta. 359+73.33 to Sta. 363+04.08
Sta. 438+90.98 to Sta. 442+21.65

Notes:
1. See sheet TS07 for wall and slope protection locations.

** Roadway Cross Slope Varies. See Plan & Profiles for Superelevation Diagram.
*** Slope Varies. See Slope Table Sheet TS _

Arizona Blue Stake
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1-800-782-5348
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Scale	Horiz. 1"= 10' / Vert. 1"= NA	Sheet TS04 of TS09	Page 7 of 130

Pima County Department of Transportation
Priscilla S. Cornelio P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

STAGE II
SUBMITTAL
PRELIMINARY-
NOT FOR
CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

TYPICAL SECTIONS
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

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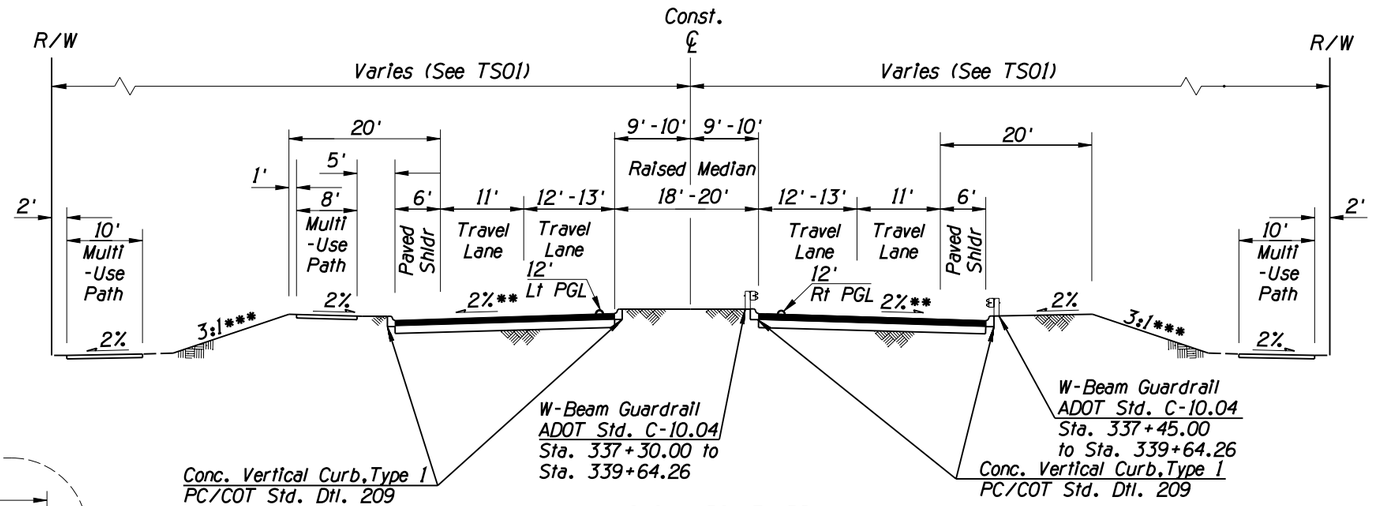
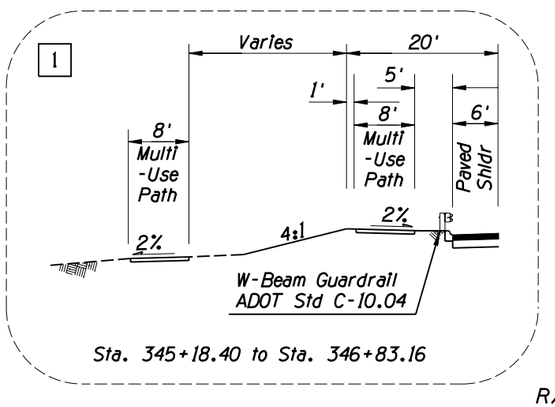


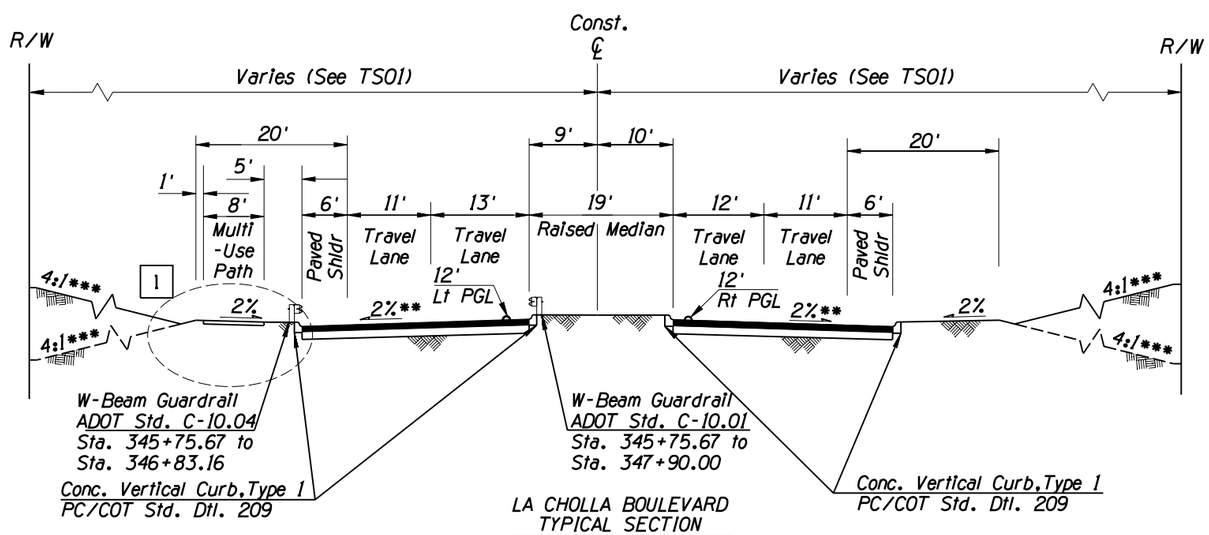
LA CHOLLA BOULEVARD
TYPICAL SECTION

SOUTHBOUND
Sta. 336+43.41 to Sta. 338+93.52

NORTHBOUND
Sta. 336+43.41 to Sta. 339+64.26



Sta. 345+18.40 to Sta. 346+83.16



LA CHOLLA BOULEVARD
TYPICAL SECTION

SOUTHBOUND
Sta. 345+75.67 to Sta. 348+30.87

NORTHBOUND
Sta. 346+42.67 to Sta. 348+30.87

Notes:
1. See sheet TS07 for wall and slope protection locations.

** Roadway Cross Slope Varies, See Plan & Profiles for Superelevation Diagram.
*** Slope Varies, See Slope Table Sheet TS _

Arizona Blue Stake
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Call Two Working Days Before You Dig

Scale	Horiz. 1"= 10' / Vert. 1"= NA	Sheet TS05 of TS09	Page 8 of 130

Priscilla S. Cornelio P.E., Director

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
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TYPICAL SECTIONS
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

Pima County Department of Transportation

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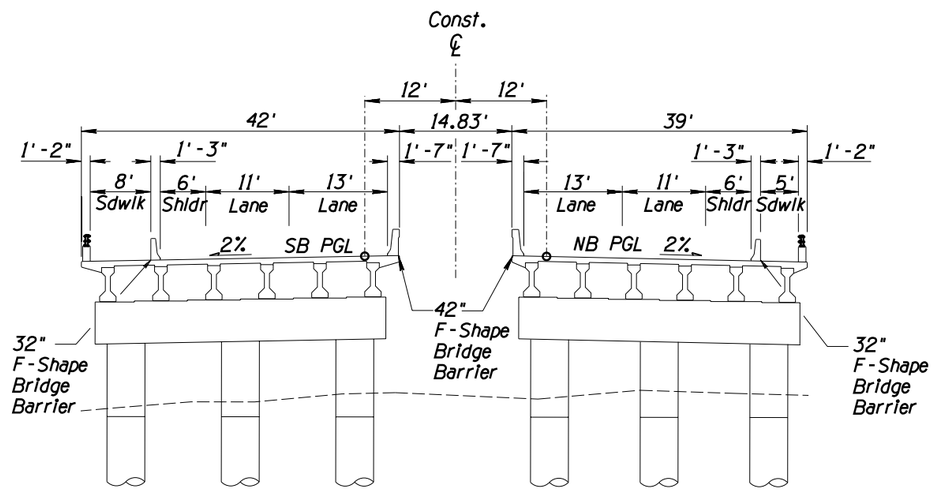

LA CHOLLA BOULEVARD
BRIDGE TYPICAL SECTION

SOUTHBOUND
Sta. 338+93.56 to Sta. 345+75.67

NORTHBOUND
Sta. 339+64.26 to Sta. 346+42.67

Arizona Blue Stake
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Call Two Working Days Before You Dig

Scale	Horiz. 1"= 10'	Sheet TS06 of TS09	Page 9 of 130
	Vert. 1"= NA		

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

No.	Revision Description	Engineer	Date
△			
△			
△			
△			
△			

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

STAGE II
SUBMITTAL
PRELIMINARY-
NOT FOR
CONSTRUCTION

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Tucson, AZ 85705
phone: 520-887-1800

TYPICAL SECTIONS
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

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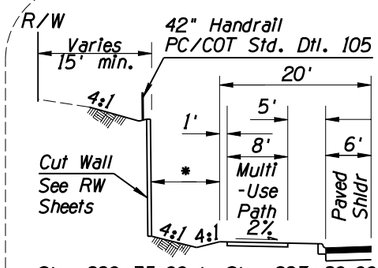

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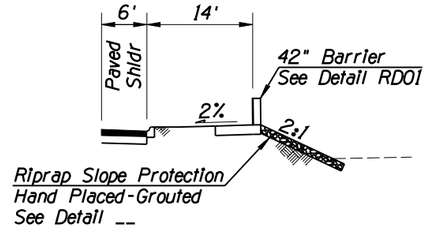
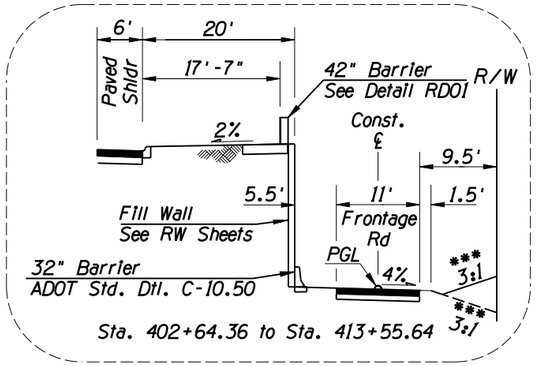
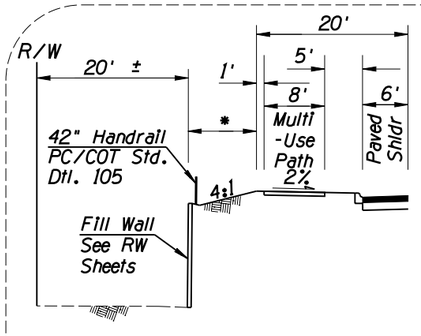
Sta. 300+00.00 to Sta. 301+90.00-(*=27')
Sta. 401+25.00 to Sta. 403+40.84-(*=7')
Sta. 405+25.00 to Sta. 408+30.00-(*=7')
Sta. 410+30.00 to Sta. 412+00.00-(*=11.76'-7')
Sta. 417+00.00 to Sta. 418+40.00-(*=7')



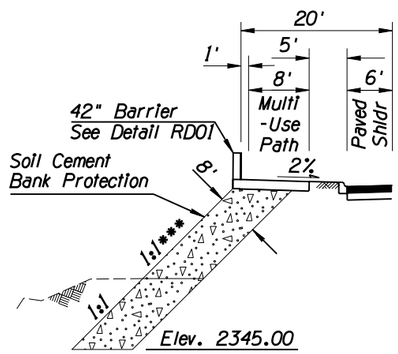
Sta. 420+50.00 to Sta. 427+00.00 (Rt.)



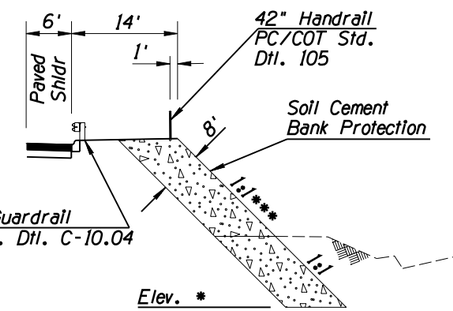
Sta. 402+64.36 to Sta. 413+55.64



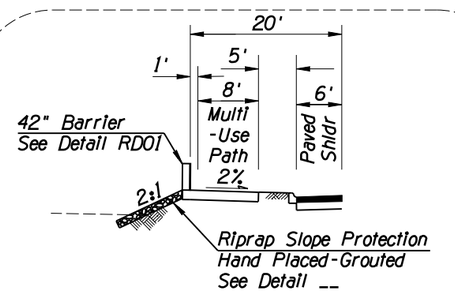
Sta. 296+55.00 to Sta. 299+20.00-(*=27')
Sta. 305+25.00 to Sta. 309+25.00-(*=27')



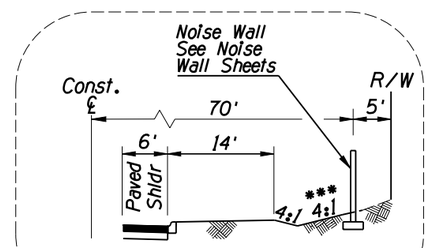
Sta. 338+35.00 to Sta. 338+93.52



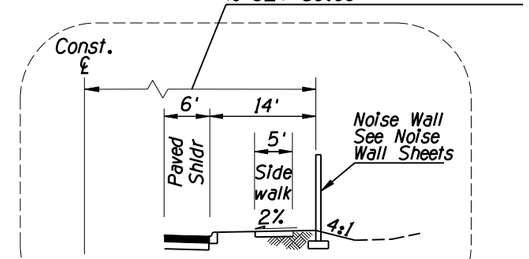
Sta. 337+25.00 to Sta. 339+64.26 (*=Elev. 2345.00)
Sta. 346+42.67 to Sta. 348+50.00 (*=Elev. 2350.00)



Sta. 303+10.00 to Sta. 305+00.00 (Lt.)
Sta. 311+25.00 to Sta. 316+50.00 (Lt.)
Sta. 337+00.00 to Sta. Bridge (Lt.)
Sta. 419+00.00 to Sta. 426+00.00 (Lt.)



Sta. 306+75.00 to Sta. 312+75.00



Sta. 315+35.97 to Sta. 324+50.00

*** Slope Varies, See Slope Table Sheet TS _

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

Scale	Horiz. 1"= 10' / Vert. 1"= NA	Sheet TS07 of TS09	Page 10 of 130

Priscilla S. Cornelio P.E., Director

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date
△			
△			
△			
△			

STAGE II
SUBMITTAL
PRELIMINARY-
NOT FOR
CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-8800

Pima County Department of Transportation

TYPICAL SECTIONS
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

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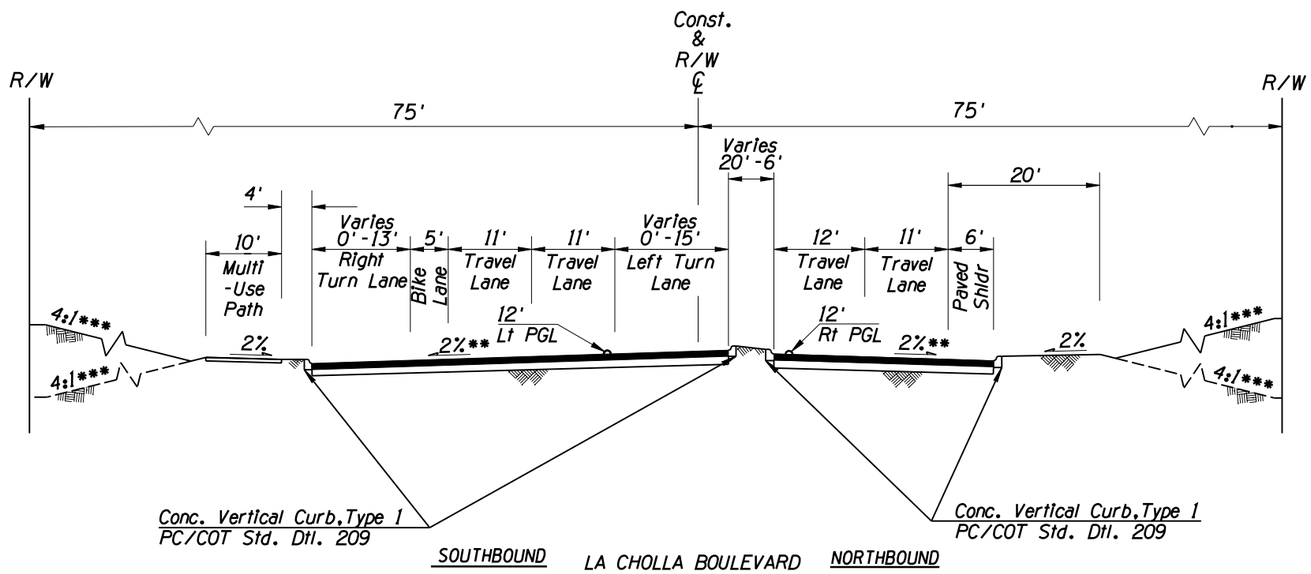
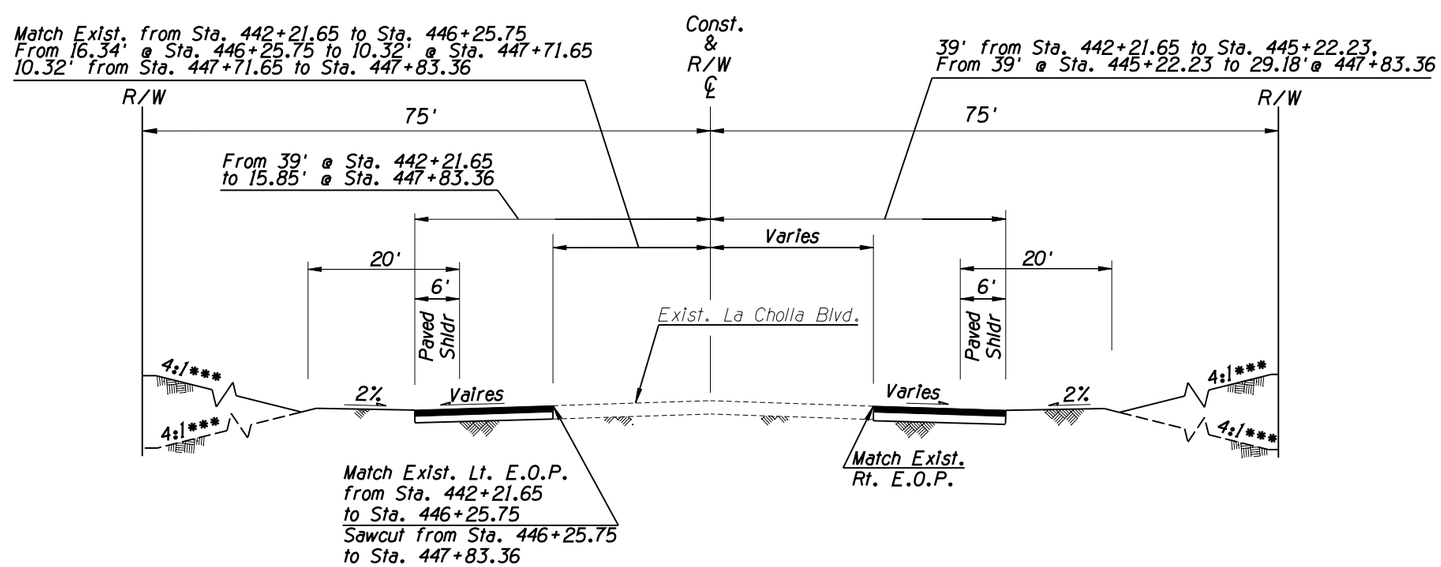
brian_ravesloot



SOUTHBOUND — LA CHOLLA BOULEVARD TYPICAL SECTION — NORTHBOUND

Sta. 438+90.98 to Sta. 442+21.65



SOUTHBOUND — LA CHOLLA BOULEVARD INTERIM WIDENING TYPICAL SECTION — NORTHBOUND

Sta. 442+21.65 to Sta. 447+83.36

Notes:
1. See sheet TS07 for wall and slope protection locations.

** Roadway Cross Slope Varies. See Plan & Profiles for Superelevation Diagram.
*** Slope Varies. See Slope Table Sheet TS _

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

Scale	Horiz. 1"= 10' / Vert. 1"= NA	Sheet TS08 of TS09	Page 11 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date
1			
2			
3			
4			
5			

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

TYPICAL SECTIONS
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

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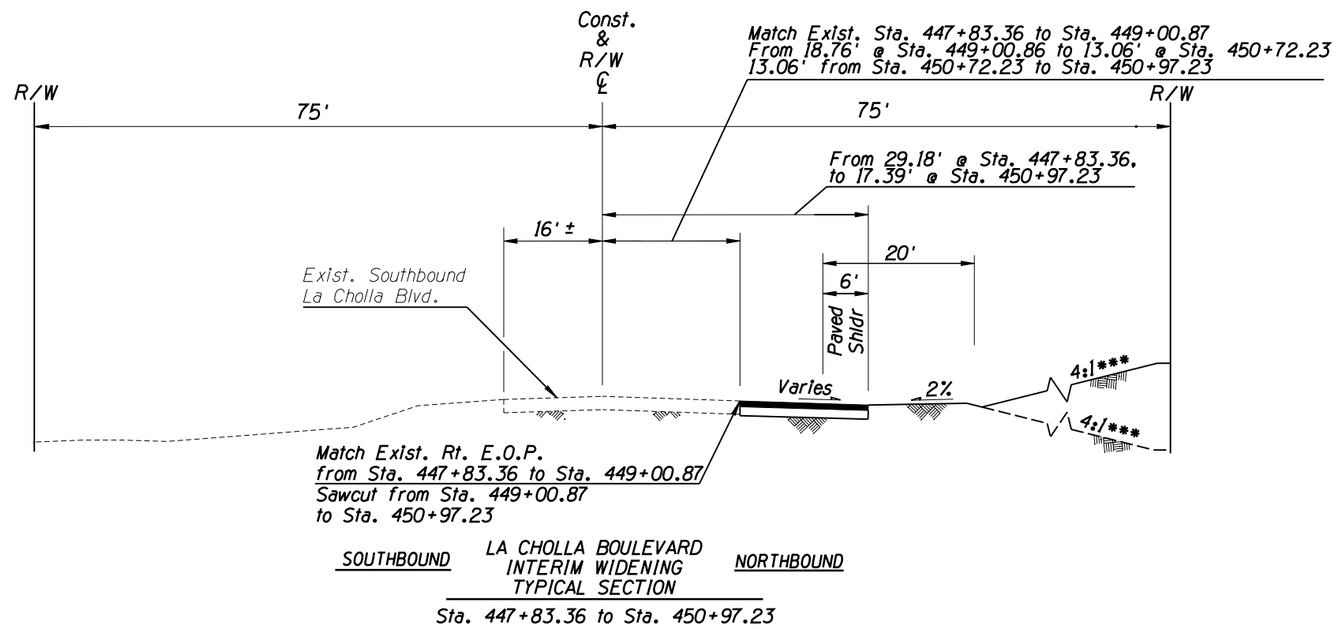

LA CHOLLA BOULEVARD
INTERIM WIDENING
TYPICAL SECTION

Sta. 447+83.36 to Sta. 450+97.23

Notes:
1. See sheet TS07 for wall and slope protection locations.
*** Slope Varies, See Slope Table Sheet TS _

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig!

Scale	Horiz. 1"= 10'	Sheet TS09 of TS09	Page 12 of 130
	Vert. 1"= NA		

Priscilla S. Cornelio P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

STAGE II
SUBMITTAL
PRELIMINARY-
NOT FOR
CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone 520-887-1800

Pima County Department of Transportation

TYPICAL SECTIONS
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

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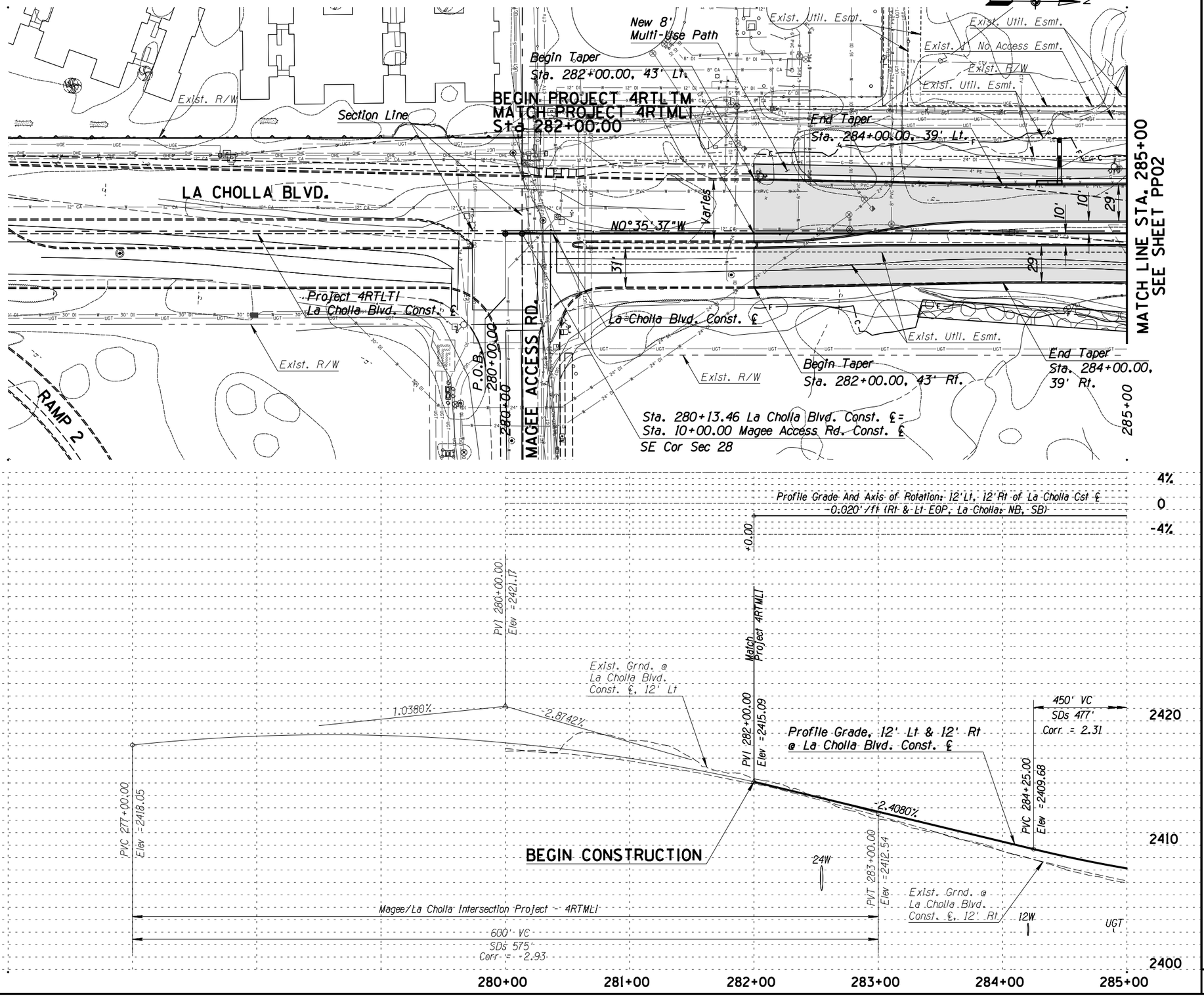

andrew_alderink

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For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

LEGEND

New Drainage Channel

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' / Vert. 1"= 4'	Sheet PP01 of PP23	Page 13 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

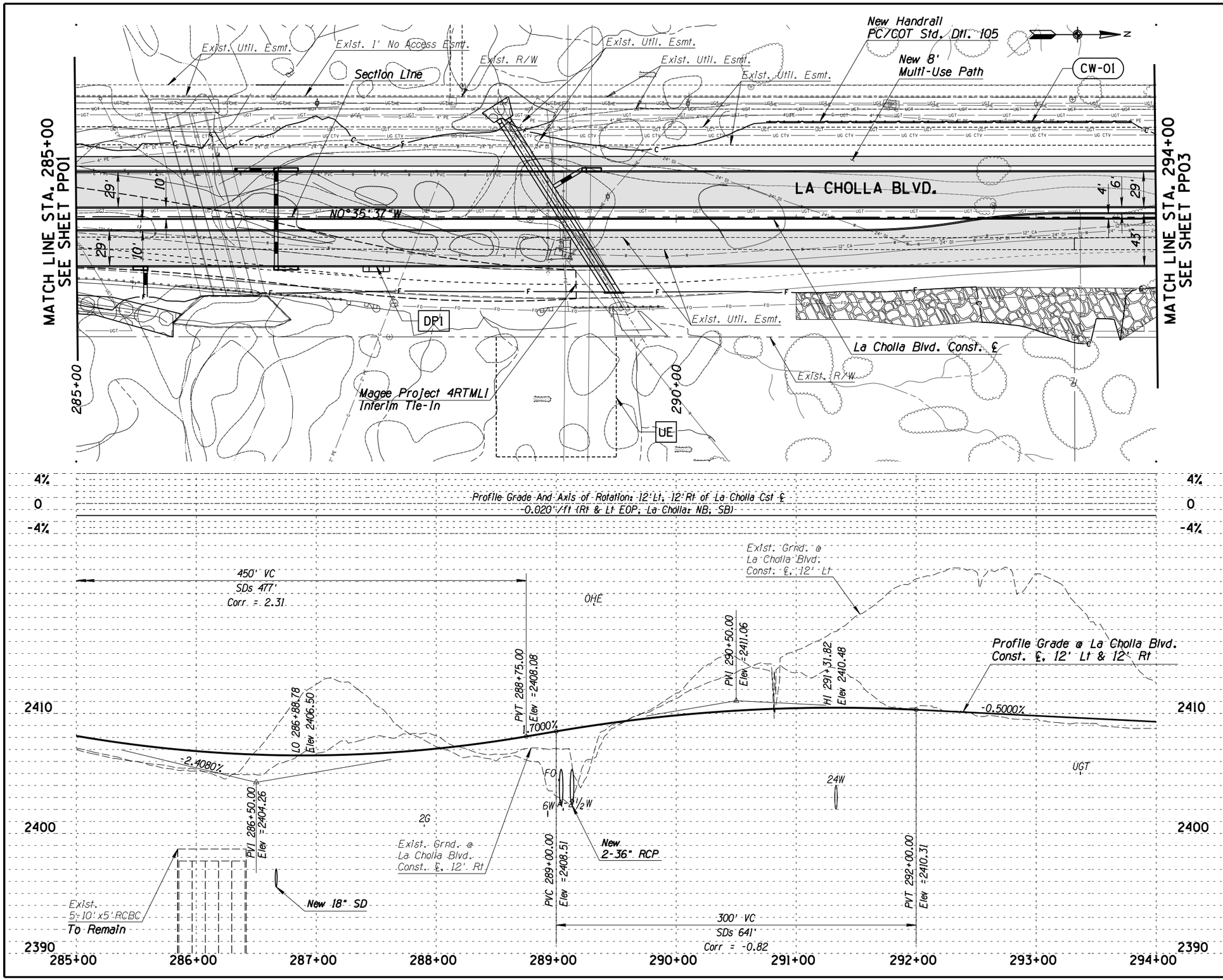
No.	Revision Description	Engineer	Date

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

STAGE II SUBMITTAL
PRELIMINARY - NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

ROADWAY PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 280+00 TO STA. 285+00
PROJECT NO. 4RTLTM



Notes:

CW-01 New Cut Wall
See Sheet RW01

UE New Utility Easement
(Metro. Water Well Site)

DP New Driveway
PC/COT Std. Dtl. 206
Refer to Driveway Profiles

For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

LEGEND

New Slope Protection

New Drainage Channel

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' / Vert. 1"= 4'	Sheet PP02 of PP23	Page 14 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

ROADWAY PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 285+00 TO STA. 294+00
PROJECT NO. 4RTLTM

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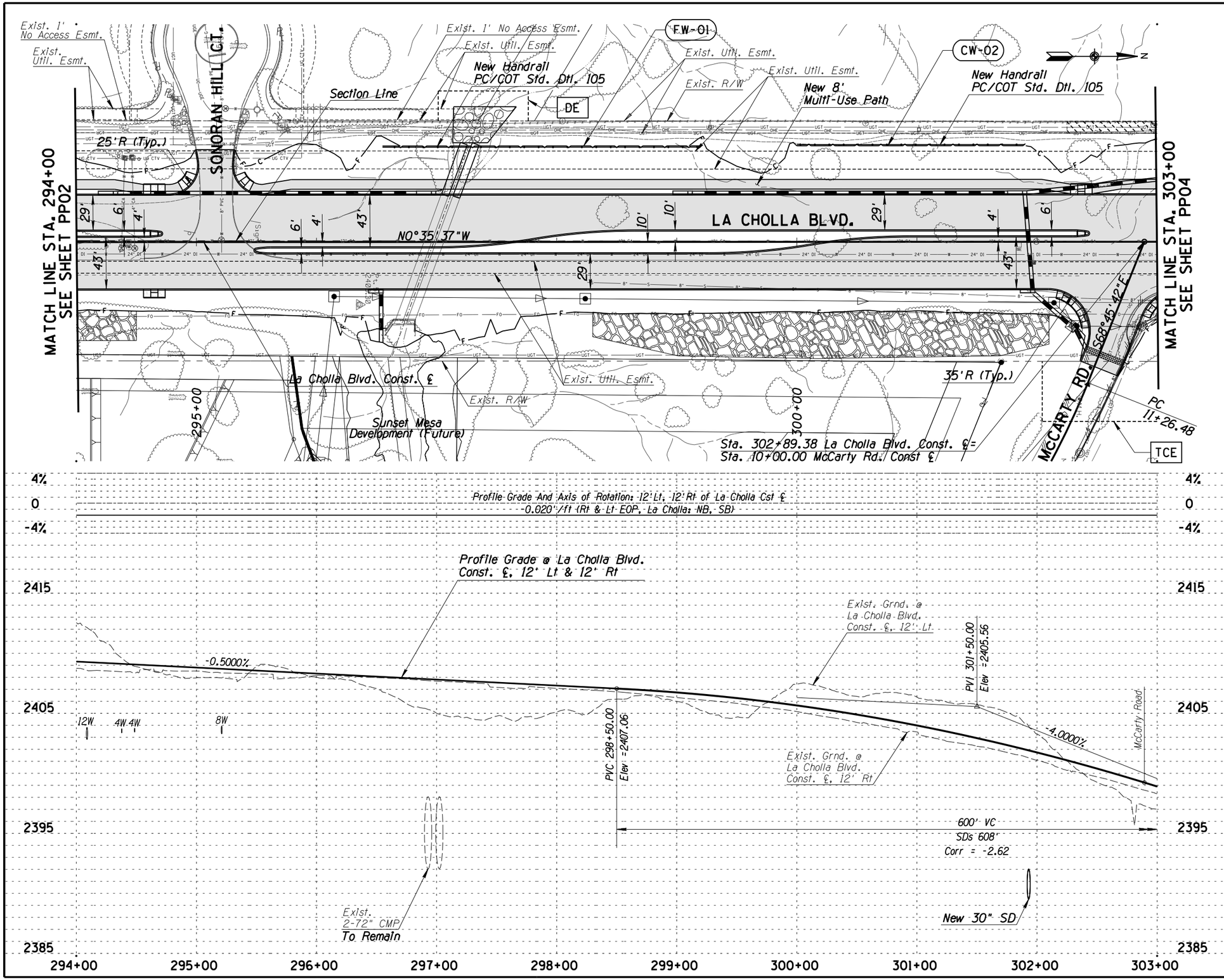
andrew_alderink



Notes:

FW-01 New Fill Wall
See Sheet RW02

CW-02 New Cut Wall
See Sheet RW03

DE New Drainage Easement

TCE Temporary Construction Easement

For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

LEGEND

Unlandscaped Area

New Slope Protection

Arizona Blue Stake
1-800-STAKE-IT
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Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40' Vert. 1"= 4'

Sheet PP03 of PP23

Page 15 of 130

Priscilla S. Cornelio P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

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Tucson, AZ 85705
phone: 520-887-1800

ROADWAY PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 294+00 TO STA. 303+00
PROJECT NO. 4RTLTM

Pima County Department of Transportation

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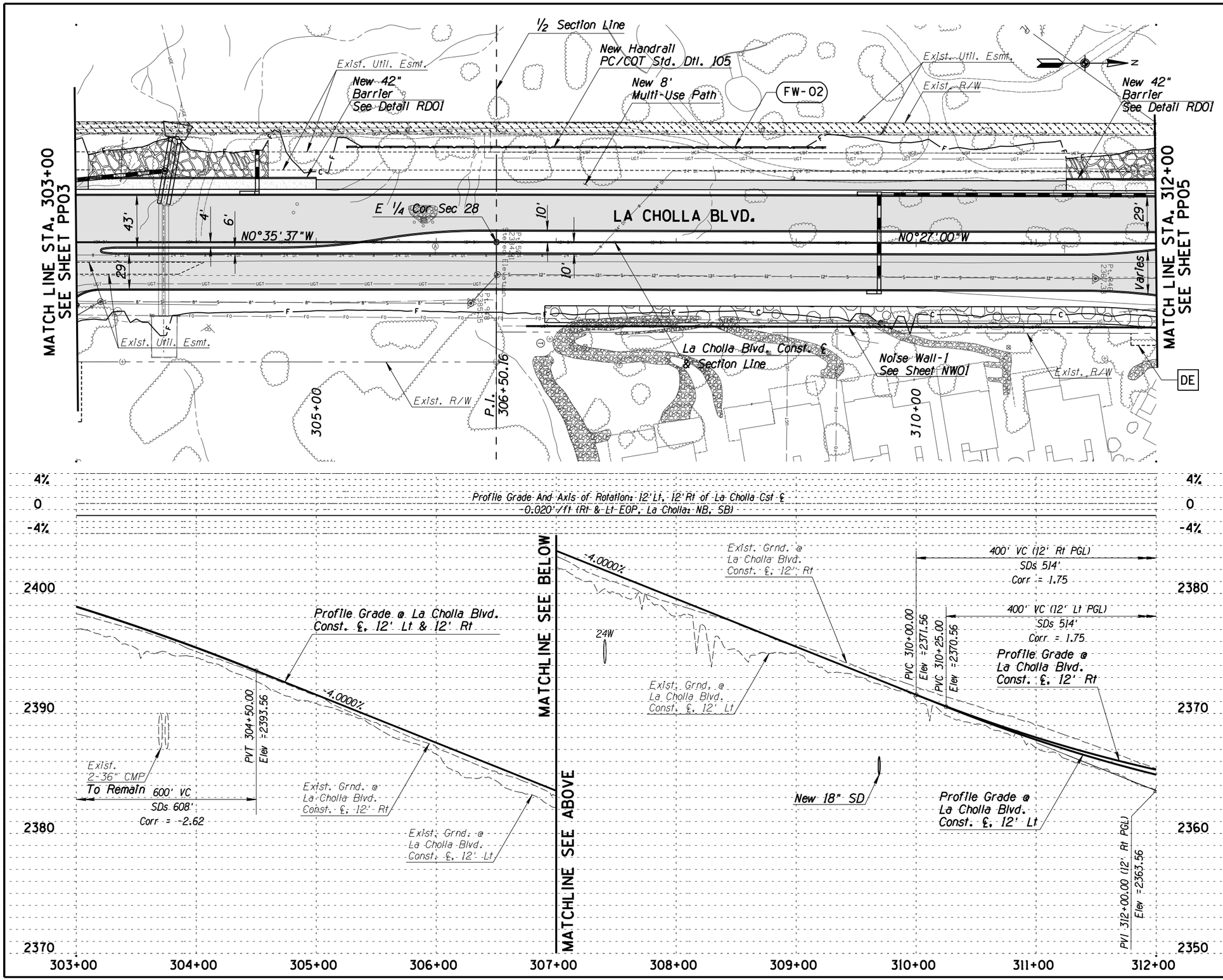
andrew_alderink



Notes:

FW-02 New Fill Wall See Sheet RW04

DE New Drainage Easement

For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

LEGEND

- Unlandscaped Area
- New Slope Protection
- New Drainage Channel

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' / Vert. 1"= 4'	Sheet PP04 of PP23	Page 16 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
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Tucson, AZ 85705
phone: 520-887-1800

ROADWAY PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 303+00 TO STA. 312+00
PROJECT NO. 4RTLTM

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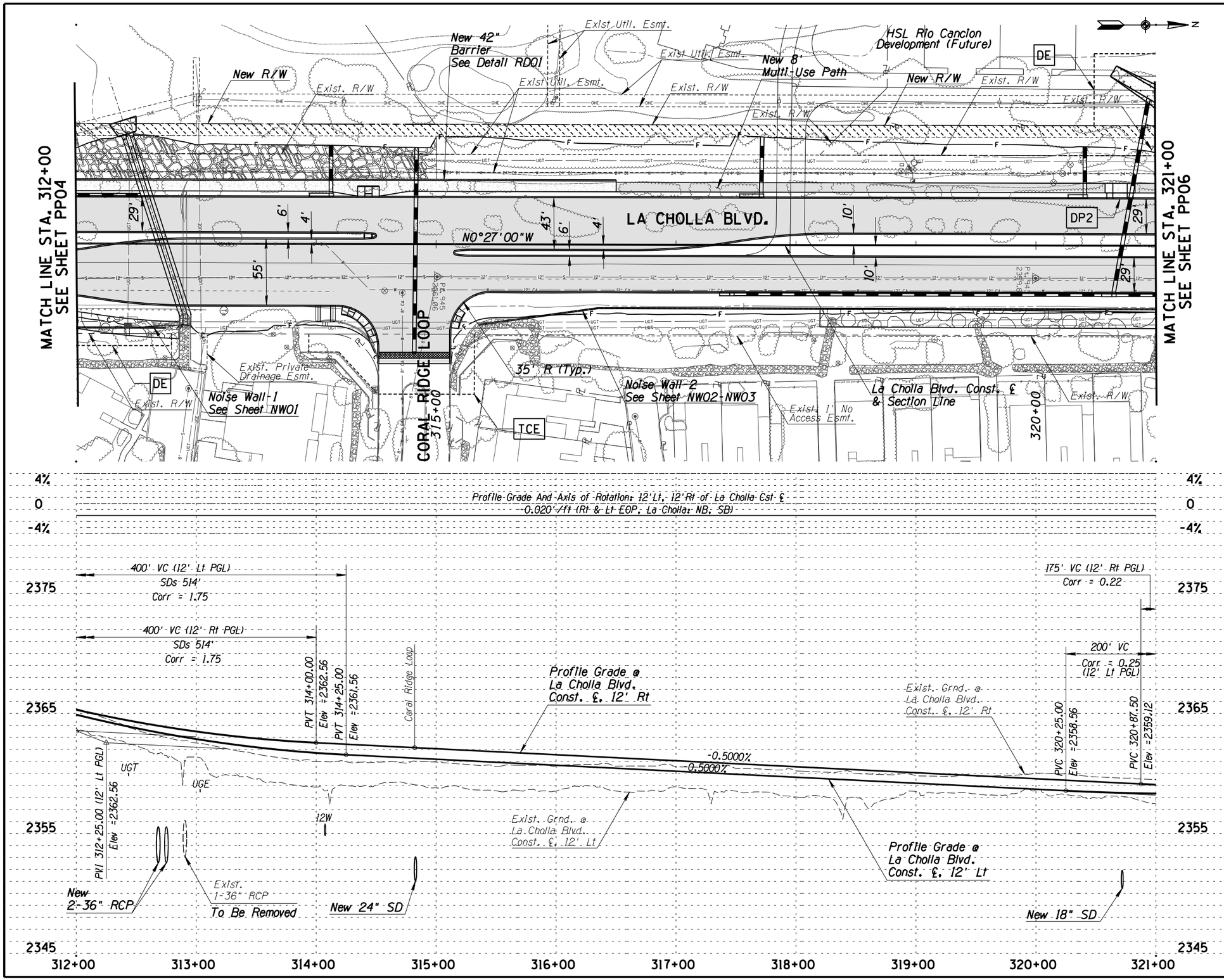
andrew_alderink



Notes:

DE — New Drainage Easement

TCE — Temporary Construction Easement

DP — New Driveway
PC/COT Std. Dtl. 206
Refer to Driveway Profiles

For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

LEGEND

- Unlandscaped Area
- New Slope Protection
- New Drainage Channel

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' Vert. 1"= 4'	Sheet PP05 of PP23	Page 17 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date
1			
2			
3			
4			

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

ROADWAY PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 312+00 TO STA. 321+00
PROJECT NO. 4RTLTM

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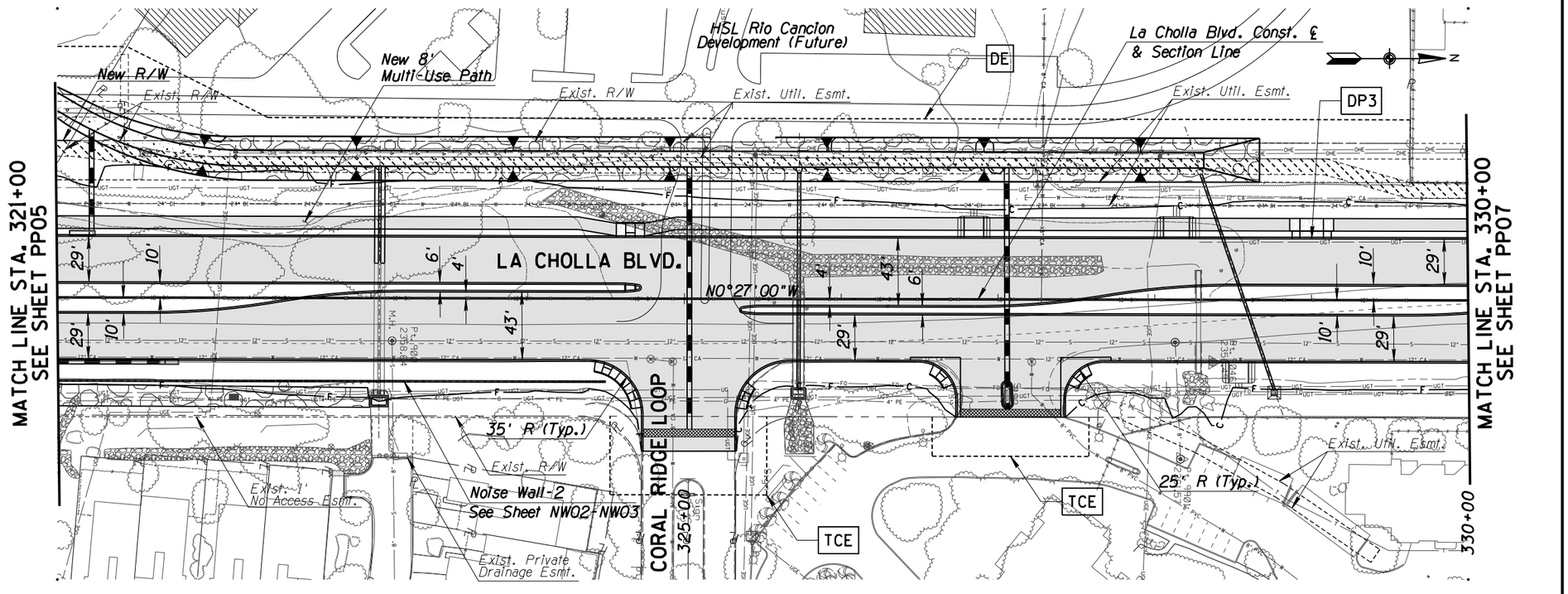
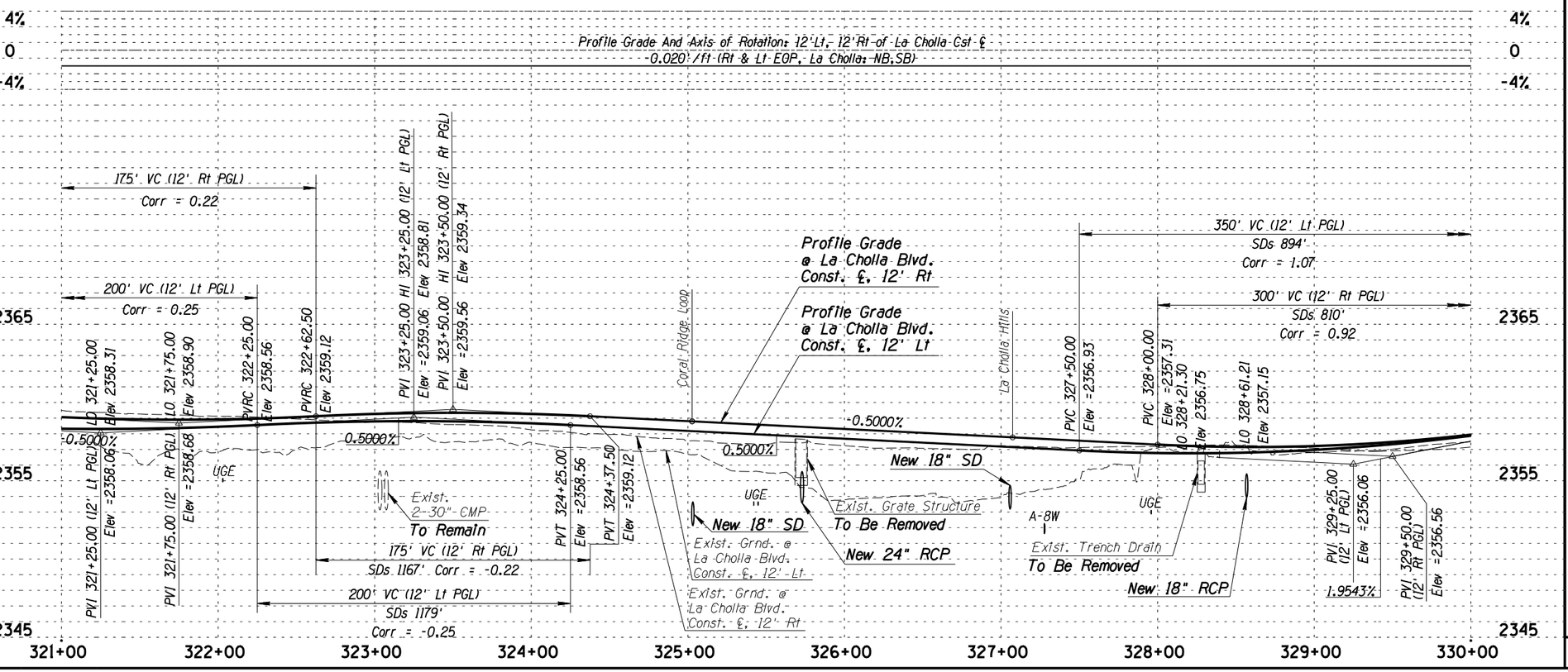
andrew_alderink





Notes:

DE — New Drainage Easement

TCE — Temporary Construction Easement

DP — New Driveway PC/COT Std. Dtl. 206 Refer to Driveway Profiles

For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

LEGEND

Unlandscaped Area

New Drainage Channel

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date
1			
2			
3			
4			

STAGE II SUBMITTAL
PRELIMINARY - NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

Pima County Department of Transportation
Priscilla S. Cornelio P.E., Director

ROADWAY PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 321+00 TO STA. 330+00
PROJECT NO. 4RTLTM

Scale Horiz. 1"= 40' Vert. 1"= 4'

Sheet PP06 of PP23

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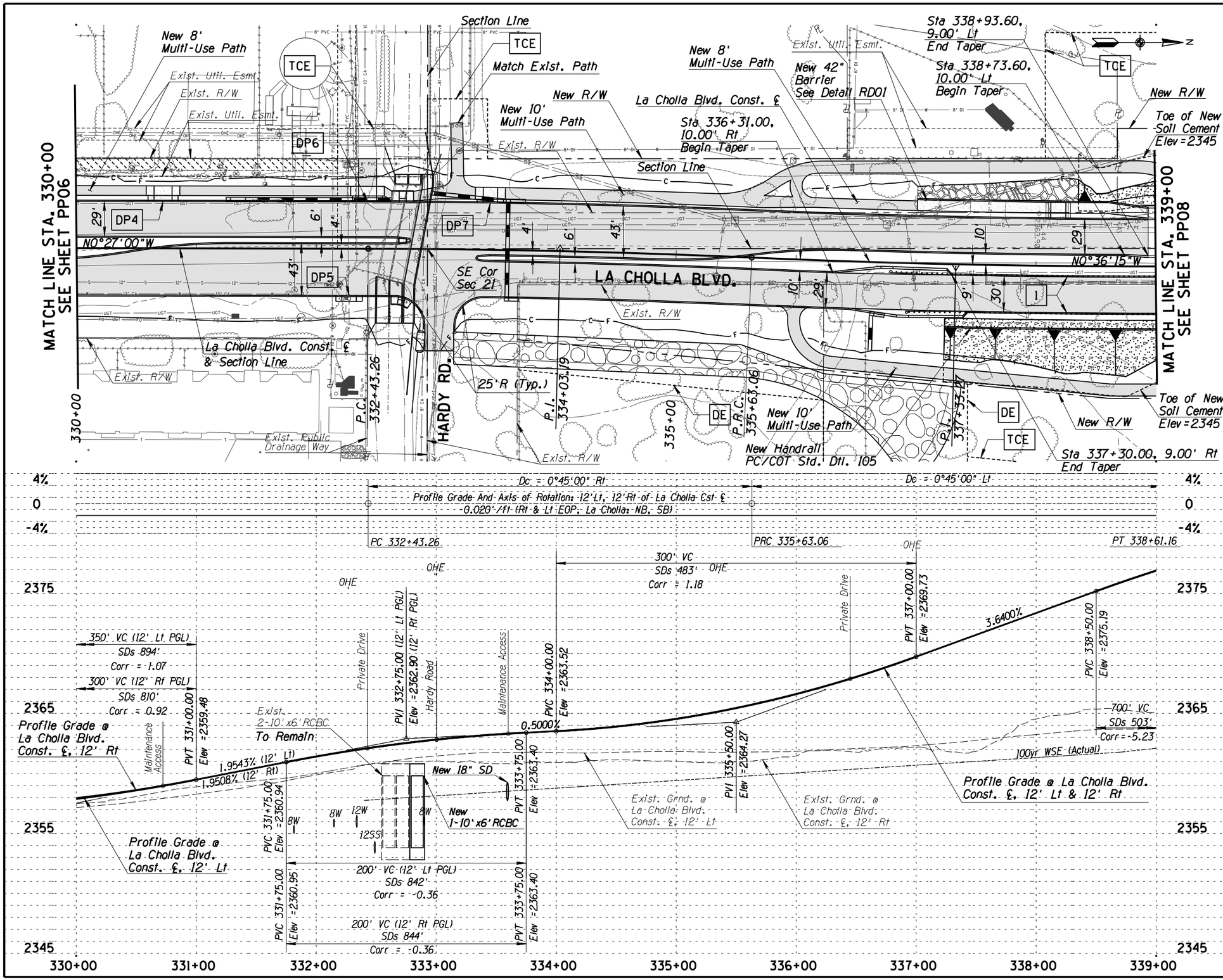

Notes:

1. New Guard Rail, ADOT Std. Detail C-10.04 w/ SKT-350 End Treatment See Detail RD__
2. DE — New Drainage Easement
3. TCE — Temporary Construction Easement
4. DP — New Driveway PC/COT Std. Dtl. 206 Refer to Driveway Profiles

For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

LEGEND

- Unlandscaped Area
- New Slope Protection
- New Drainage Channel

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' Vert. 1"= 4'	Sheet PP07 of PP23	Page 19 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

ROADWAY PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 330+00 TO STA. 339+00
PROJECT NO. 4RTLTM

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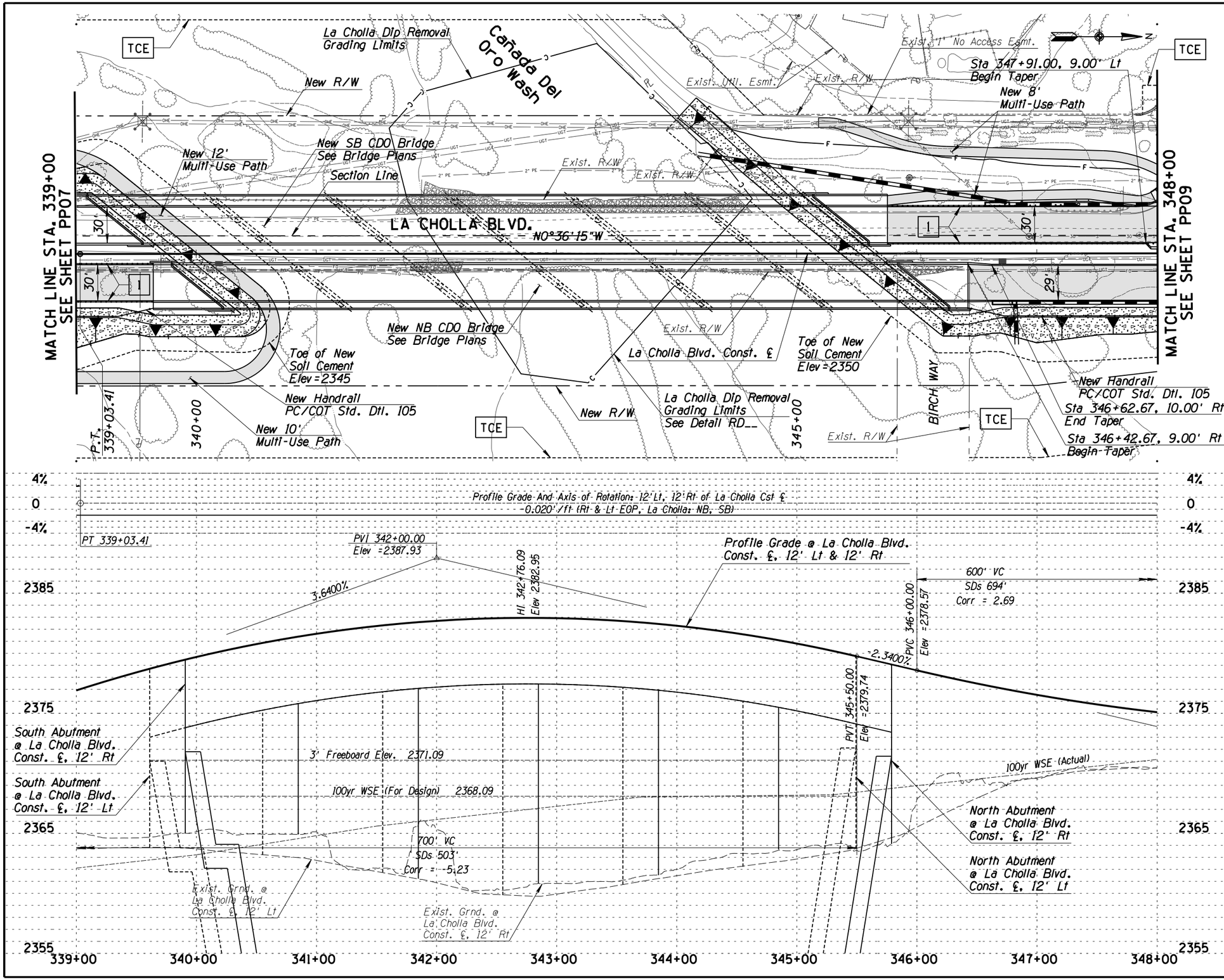

Notes:

1. New Guard Rail, ADOT Std. Detail C-10.04 w/ SKT-350 End Treatment See Detail RD__

TCE Temporary Construction Easement

For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

ROADWAY PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 339+00 TO STA. 348+00
PROJECT NO. 4RTLTM

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

Scale Horiz. 1"= 40' Vert. 1"= 4'

Sheet PP08 of PP23

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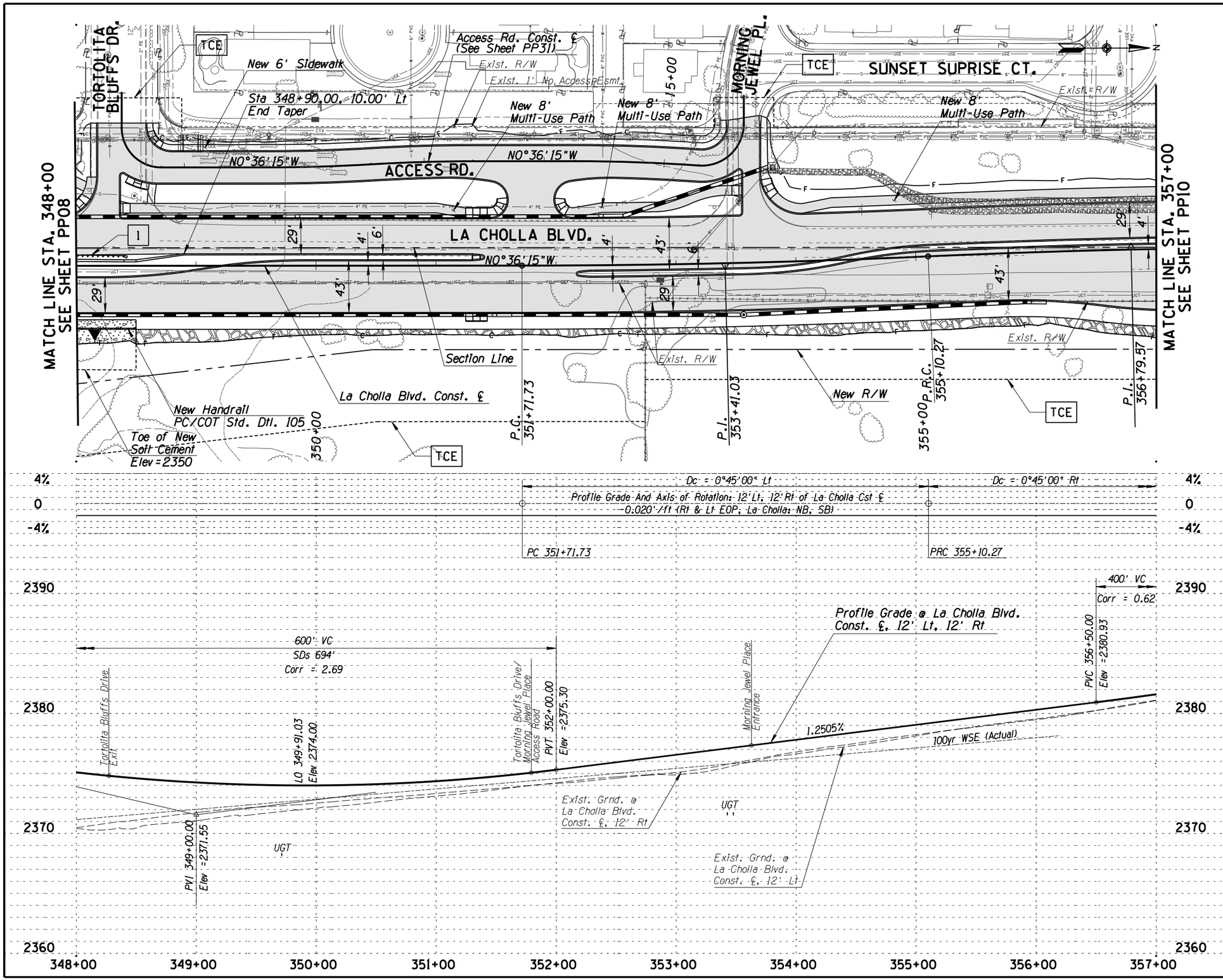

Notes:

1 New Guard Rail, ADOT Std. Detail C-10.04 w/ SKT-350 End Treatment See Detail RD__

TCE Temporary Construction Easement

For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

LEGEND

New Slope Protection

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40' Vert. 1"= 4'

Sheet PP09 of PP23

Page 21 of 130

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date
1			
2			
3			
4			

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

Pima County Department of Transportation

ROADWAY PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 348+00 TO STA. 357+00
PROJECT NO. 4RTLTM

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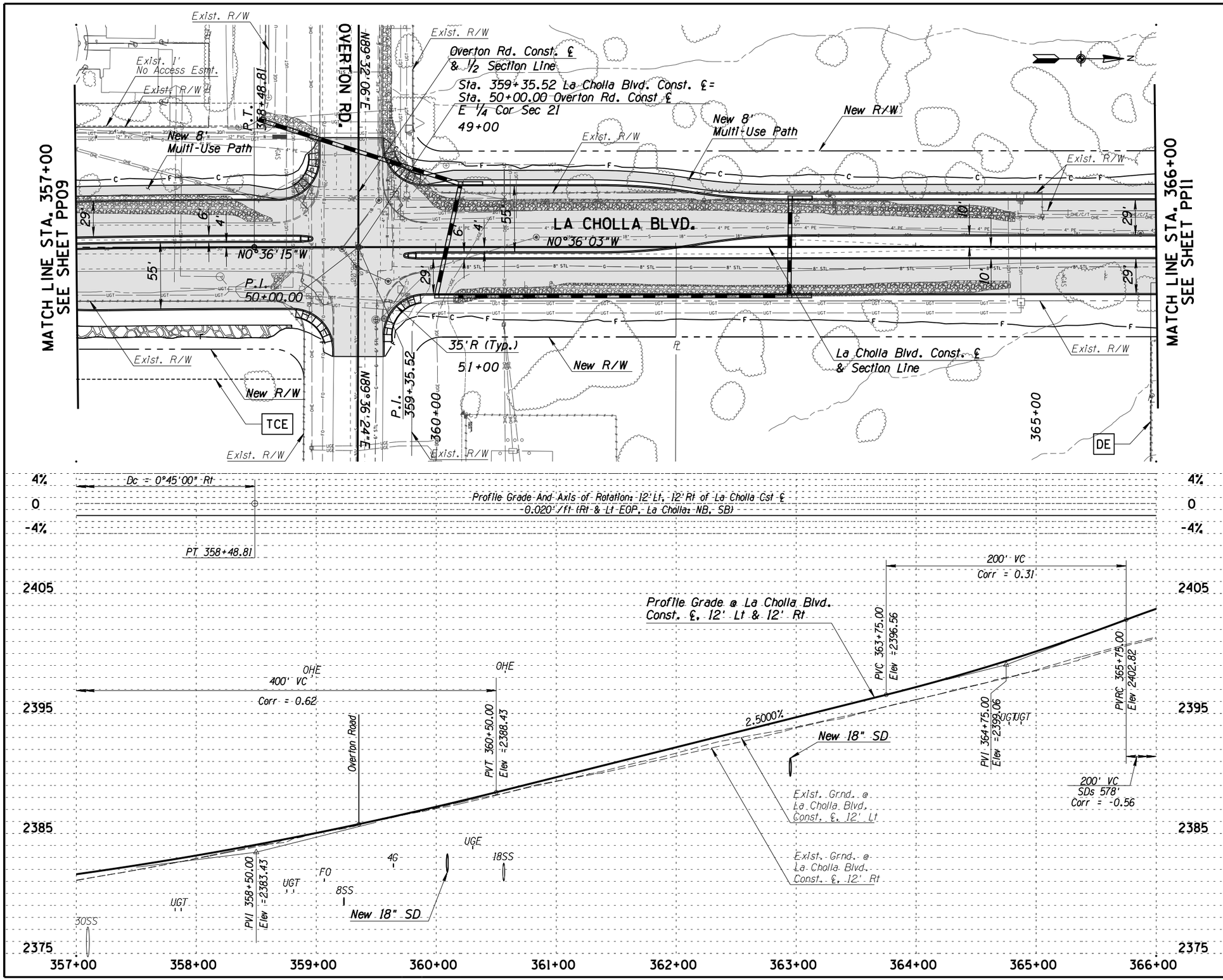
andrew_alderink



Notes:

TCE Temporary Construction Easement

DE New Drainage Easement

For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

LEGEND

New Slope Protection

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' / Vert. 1"= 4'	Sheet PP10 of PP23	Page 22 of 130

Priscilla S. Cornelio P.E., Director

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

Pima County Department of Transportation

ROADWAY PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 357+00 TO STA. 366+00
PROJECT NO. 4RTLTM

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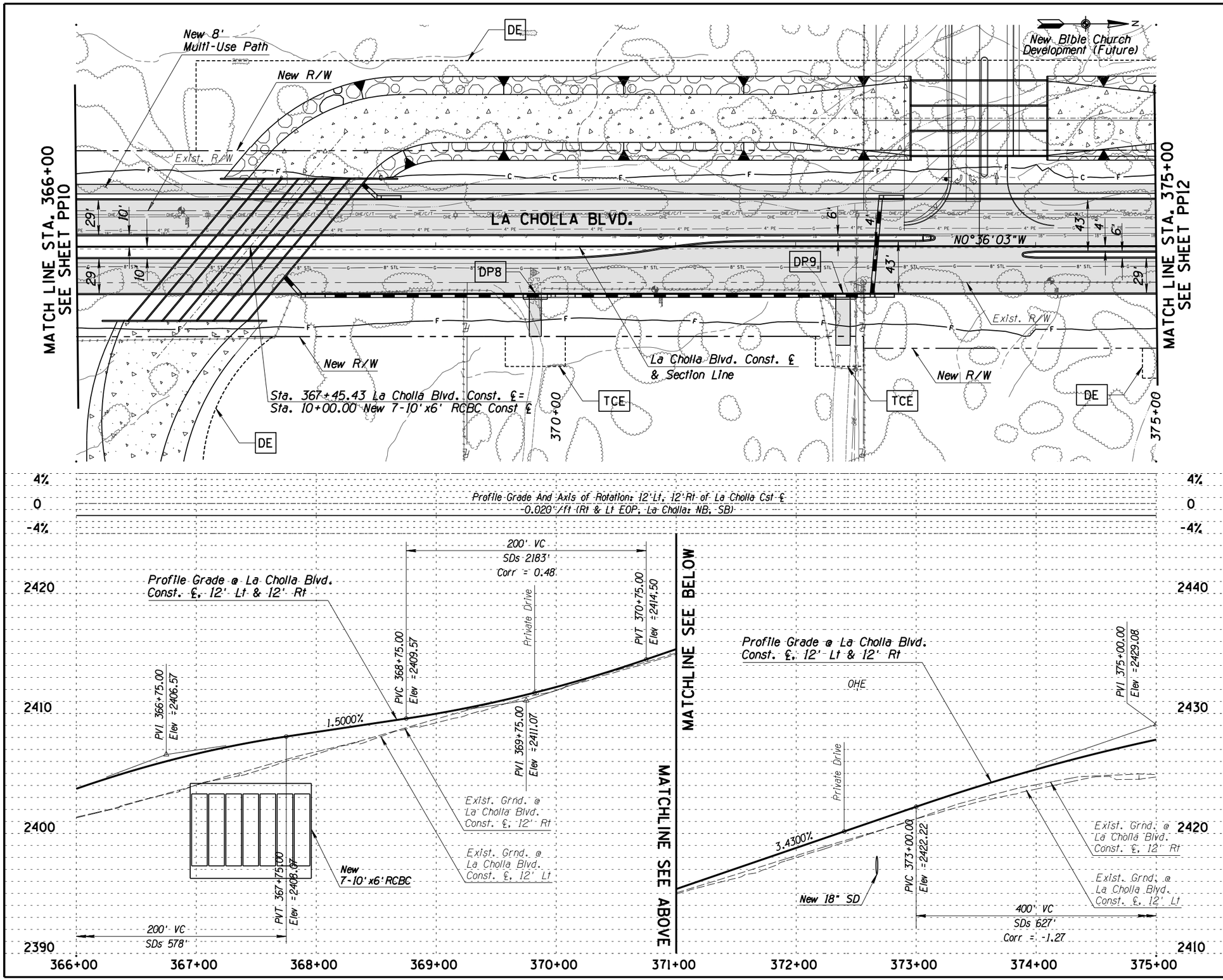

Notes:

DE — New Drainage Easement

TCE — Temporary Construction Easement

DP — New Driveway PC/COT Std. Dtl. 206 Refer to Driveway Profiles

For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

LEGEND

New Drainage Channel

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' / Vert. 1"= 4'	Sheet PP11 of PP23	Page 23 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

ROADWAY PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 366+00 TO STA. 375+00
PROJECT NO. 4RTLTM

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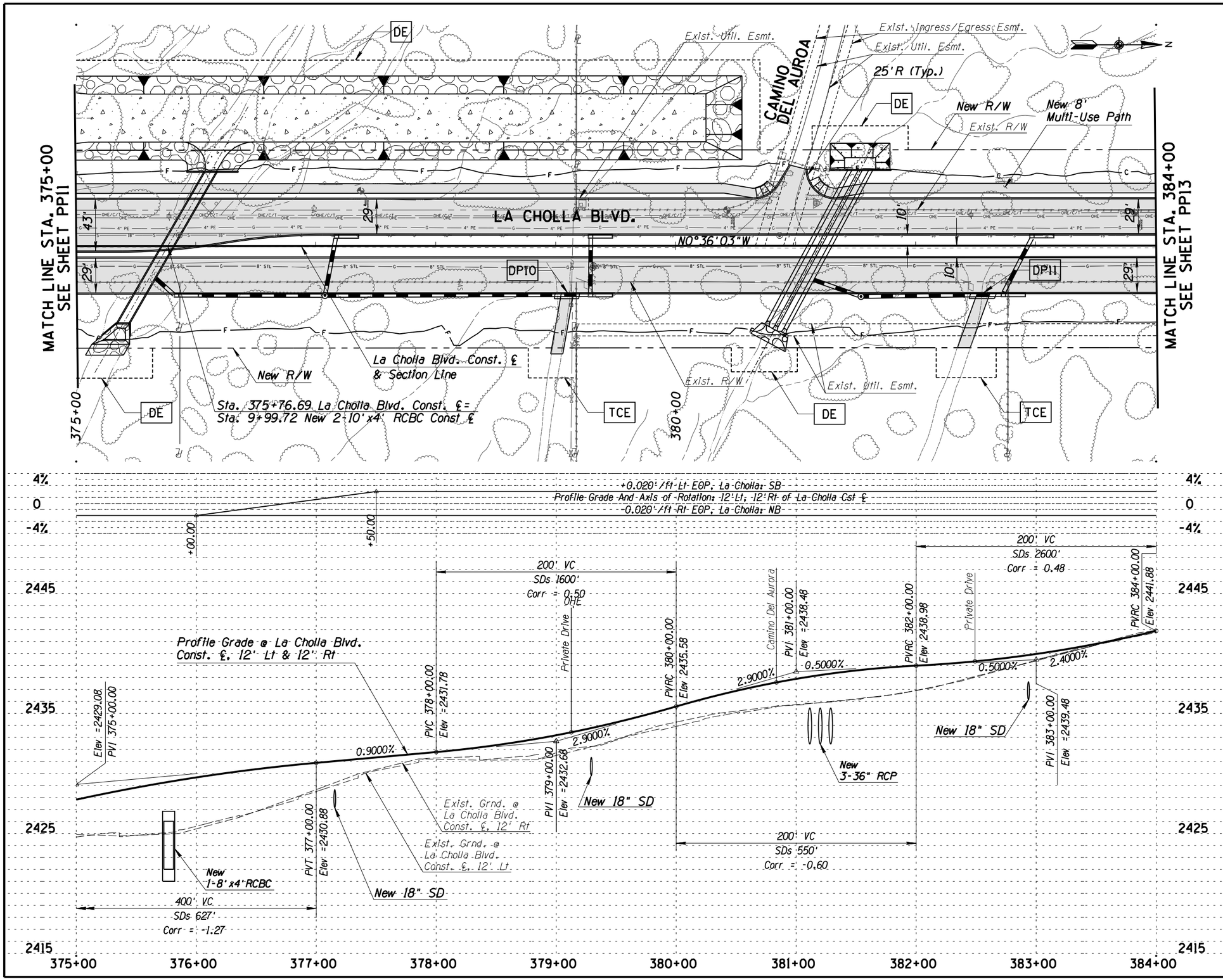

Notes:

- DE — New Drainage Easement
- TCE — Temporary Construction Easement
- DP — New Driveway PC/COT Std. Dtl. 206 Refer to Driveway Profiles

For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

LEGEND

New Drainage Channel

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' / Vert. 1"= 4'	Sheet PP12 of PP23	Page 24 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date
1			
2			
3			
4			

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

ROADWAY PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 375+00 TO STA. 384+00
PROJECT NO. 4RTLTM

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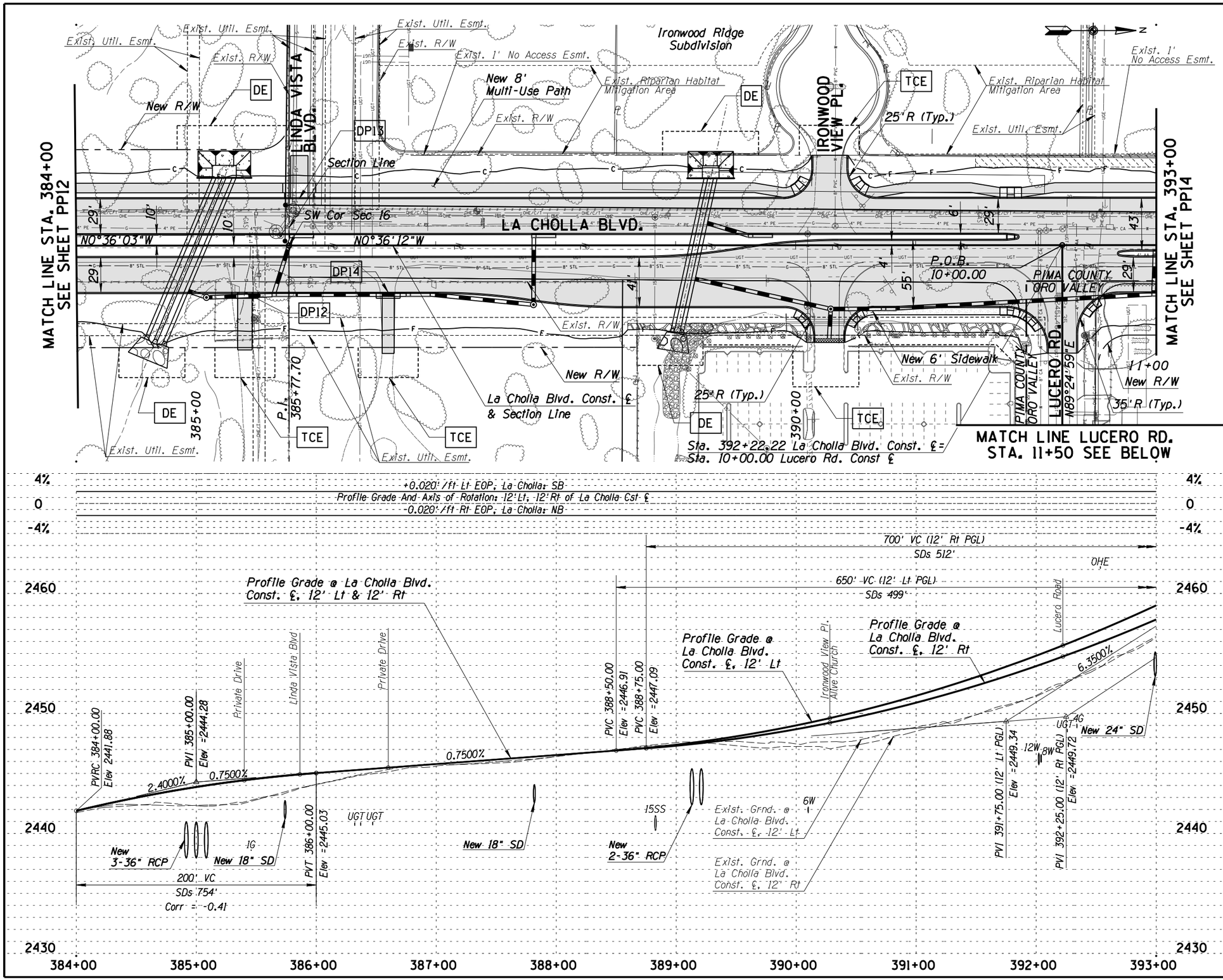

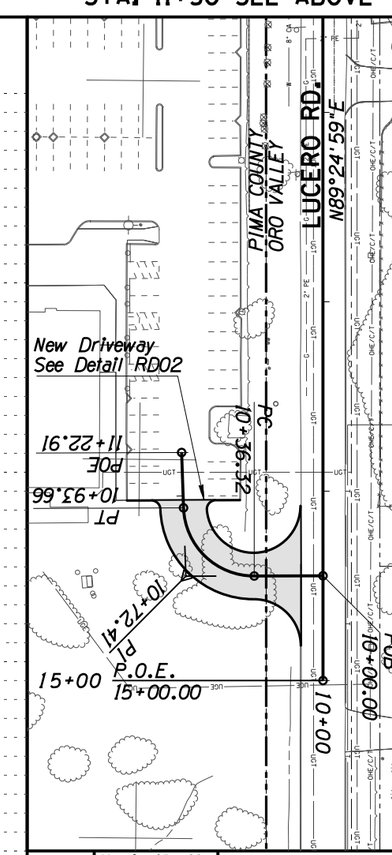

Notes:

- DE — New Drainage Easement
- TCE — Temporary Construction Easement
- DP — New Driveway PC/COT Std. Dtl. 206 Refer to Driveway Profiles

For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

LEGEND

- Unlandscaped Area
- New Slope Protection

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

Pima County Department of Transportation

ROADWAY PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 384+00 TO STA. 393+00
PROJECT NO. 4RTLTM

Scale Horiz. 1"= 40' Vert. 1"= 4' | Sheet PP13 of PP23 | Page 25 of 130

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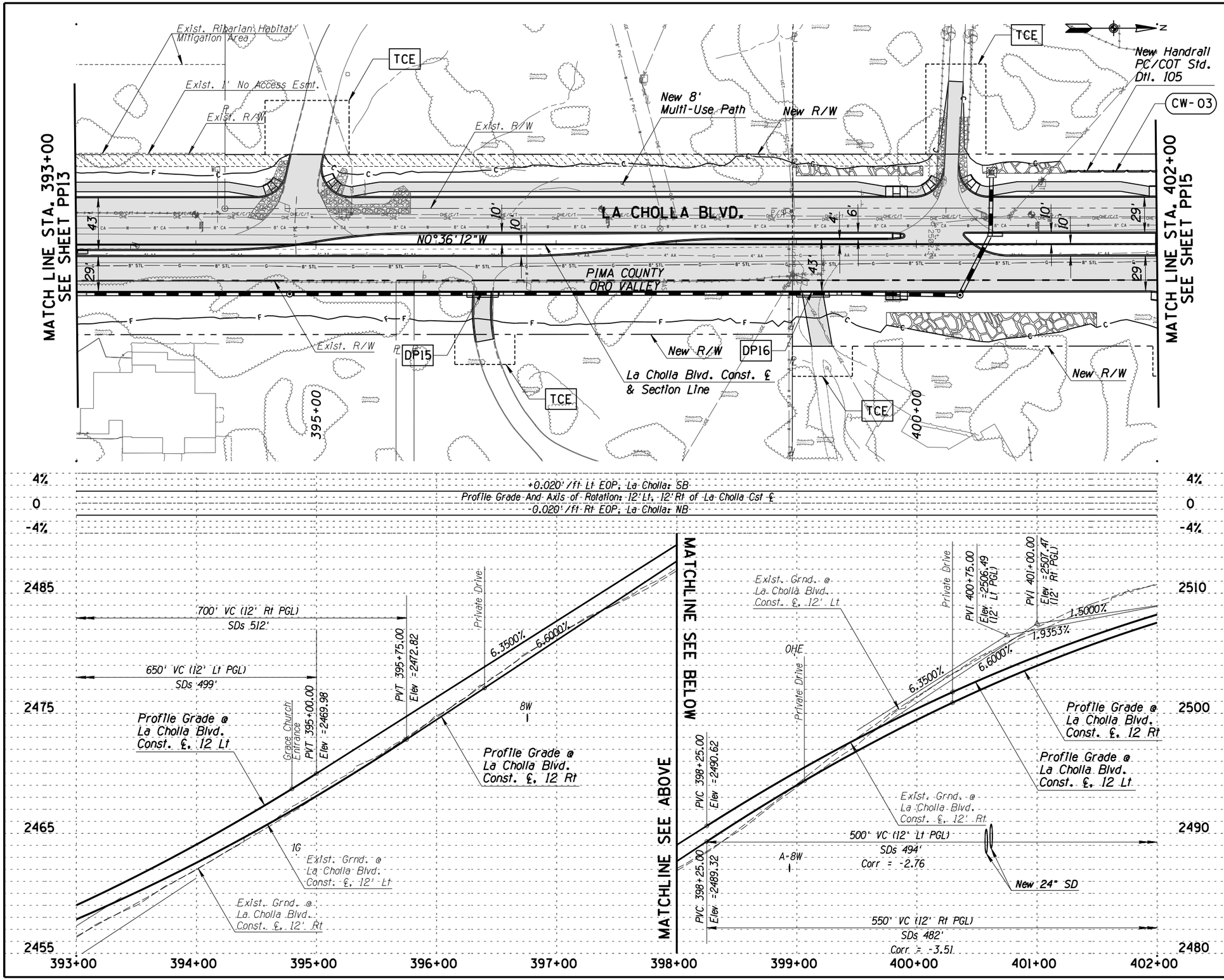

Notes:

CW-03 New Cut Wall
See Sheet RW05

TCE Temporary Construction Easement

DP New Driveway
PC/COT Std. Dtl. 206
Refer to Driveway Profiles

For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

LEGEND

Unlandscaped Area

New Slope Protection

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' / Vert. 1"= 4'	Sheet PP14 of PP23	Page 26 of 130

Priscilla S. Cornelio P.E., Director

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date
△			
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STAGE II SUBMITTAL
PRELIMINARY - NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

Pima County Department of Transportation

ROADWAY PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 393+00 TO STA. 402+00
PROJECT NO. 4RTLTM

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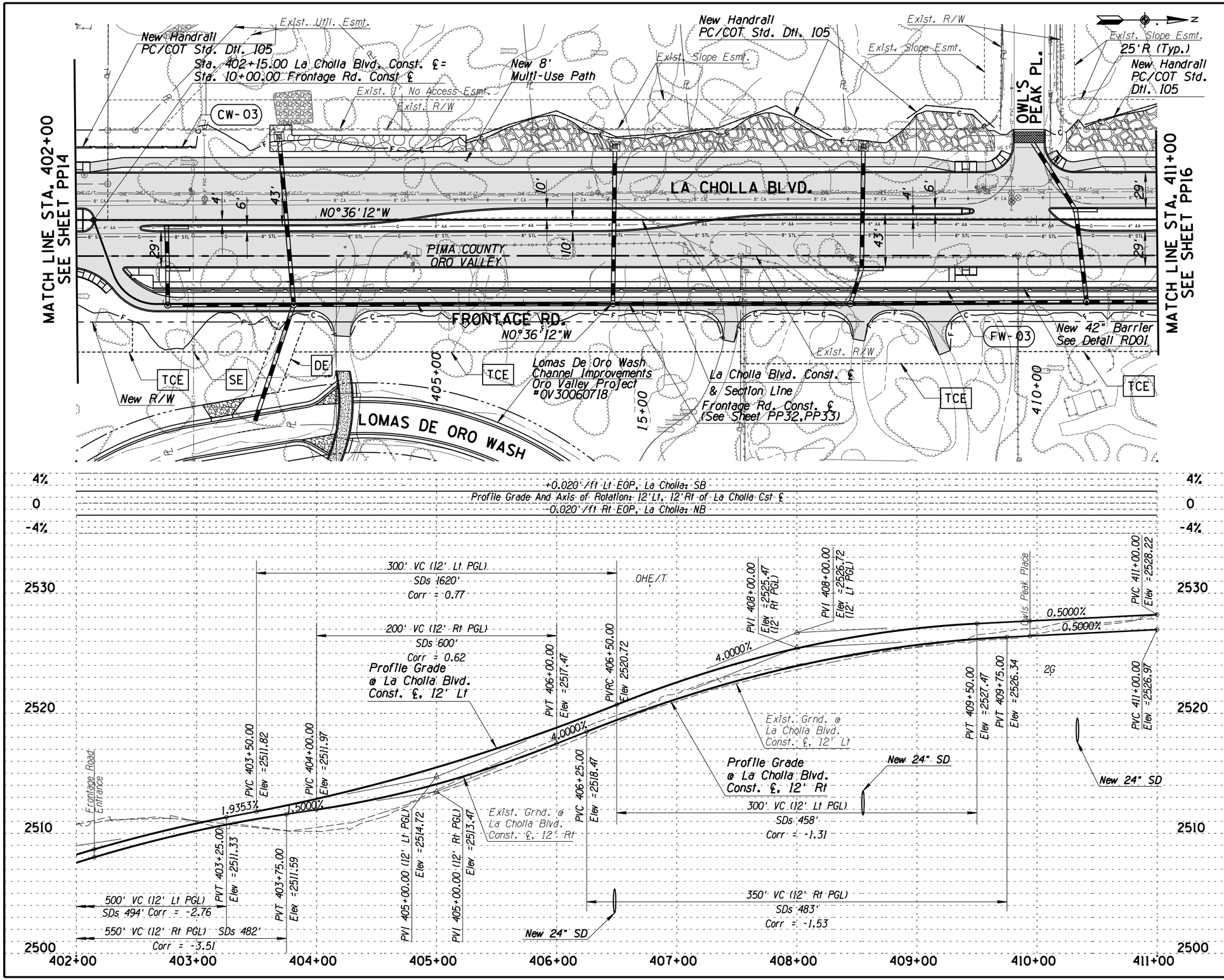

Notes:

- (CW-03) New Cut Wall See Sheet RW05
- (FW-03) New Fill Wall See Sheet RW06-RW07
- [SE] New Slope Easement
- [DE] New Drainage Easement
- [TCE] Temporary Construction Easement

For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

LEGEND

- New Slope Protection
- New Drainage Channel

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40' Vert. 1"= 4'

Sheet PP15 of PP23

Page 27 of 130

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

ROADWAY PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 402+00 TO STA. 411+00
PROJECT NO. 4RTL TM

Pima County Department of Transportation

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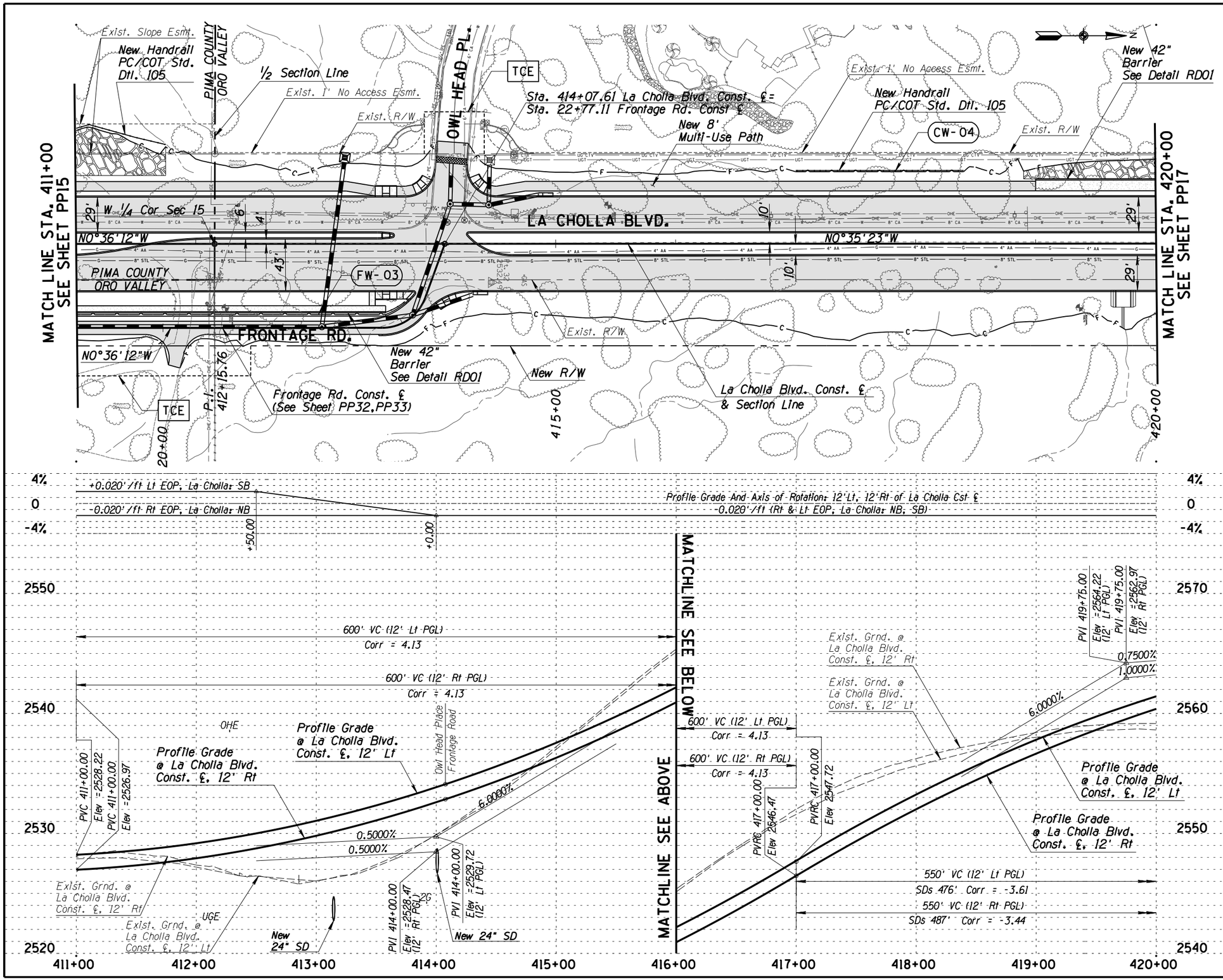
andrew_alderink



Notes:

(CW-04) New Cut Wall
See Sheet RW08

(FW-03) New Fill Wall
See Sheet RW06-RW07

TCE Temporary Construction Easement

For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

LEGEND

New Slope Protection

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' Vert. 1"= 4'	Sheet PP16 of PP23	Page 28 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date
1			
2			
3			
4			

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

ROADWAY PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 411+00 TO STA. 420+00
PROJECT NO. 4RTLTM

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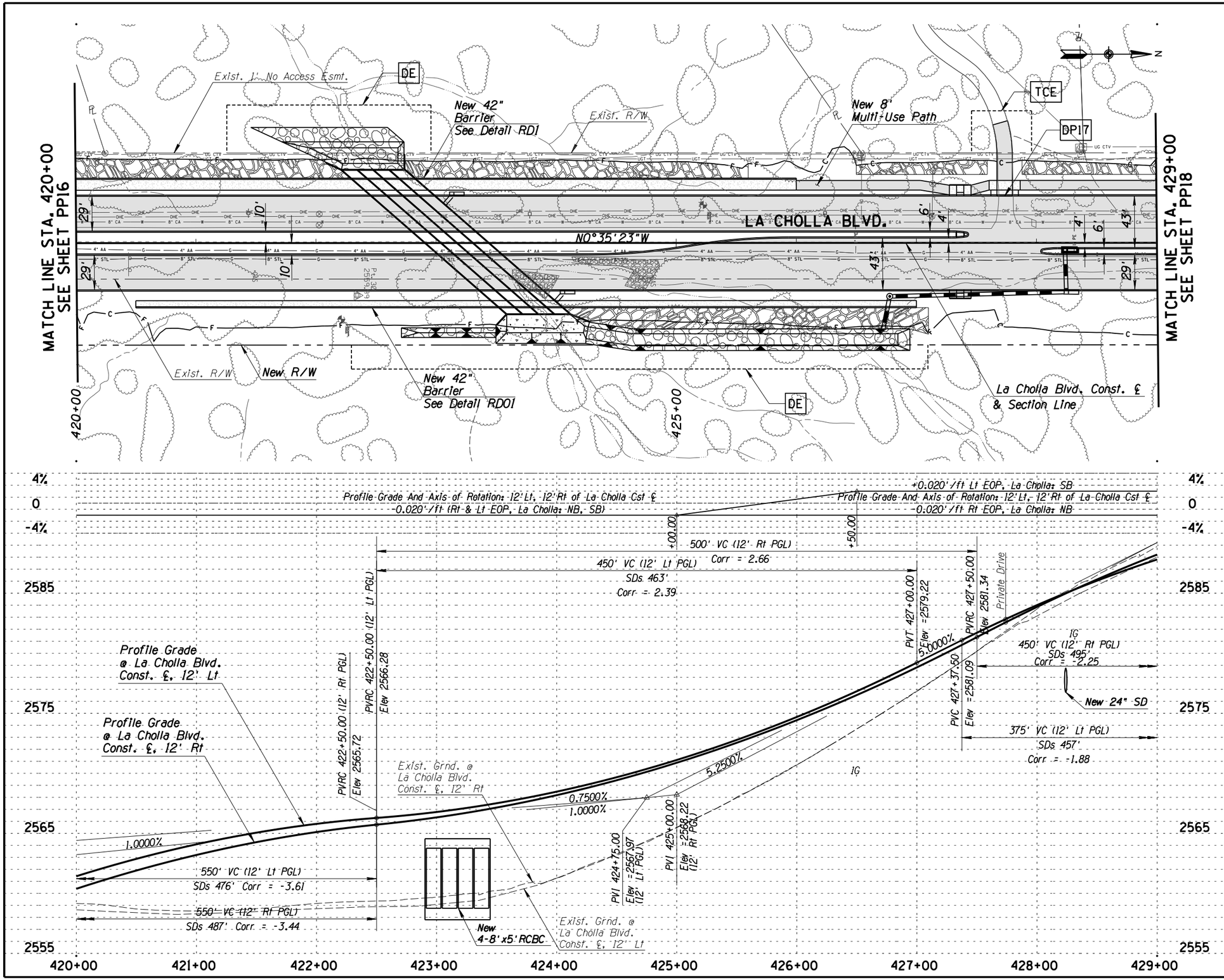
andrew_alderink



Notes:

DE — New Drainage Easement

TCE — Temporary Construction Easement

DP — New Driveway PC/COT Std. Dtl. 206 Refer to Driveway Profiles

For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

LEGEND

New Slope Protection

New Drainage Channel

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' / Vert. 1"= 4'	Sheet PP17 of PP23	Page 29 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date
1			
2			
3			
4			

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

ROADWAY PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 420+00 TO STA. 429+00
PROJECT NO. 4RTLTM

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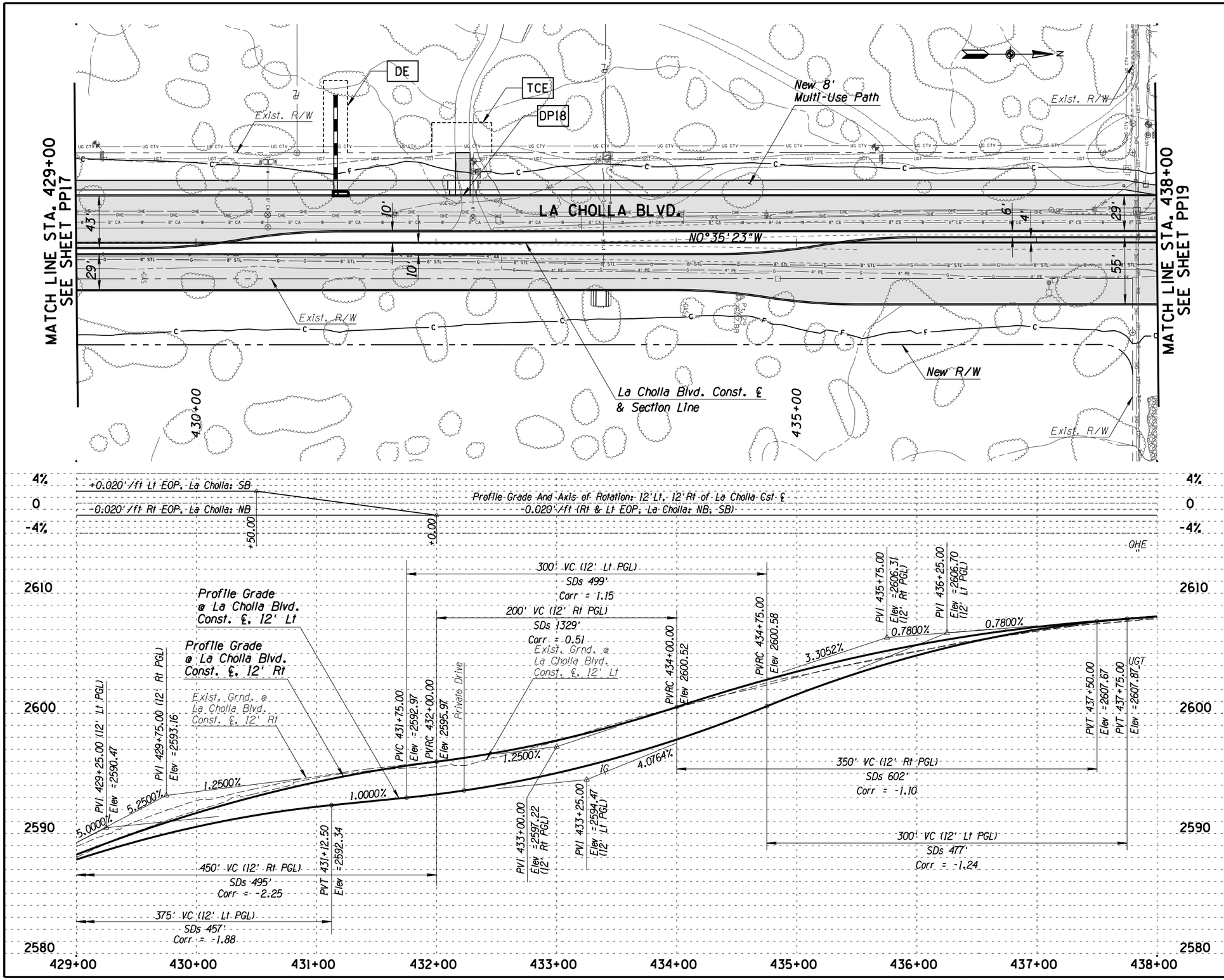
andrew_alderink



Notes:

DE	New Drainage Easment
TCE	Temporary Construction Easement
DP	New Driveway PC/COT Std. Dtl. 206 Refer to Driveway Profiles

For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40' Vert. 1"= 4'

Sheet PP18 of PP23

Page 30 of 130

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL
PRELIMINARY - NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

Pima County Department of Transportation

ROADWAY PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 429+00 TO STA. 438+00
PROJECT NO. 4RTLTM

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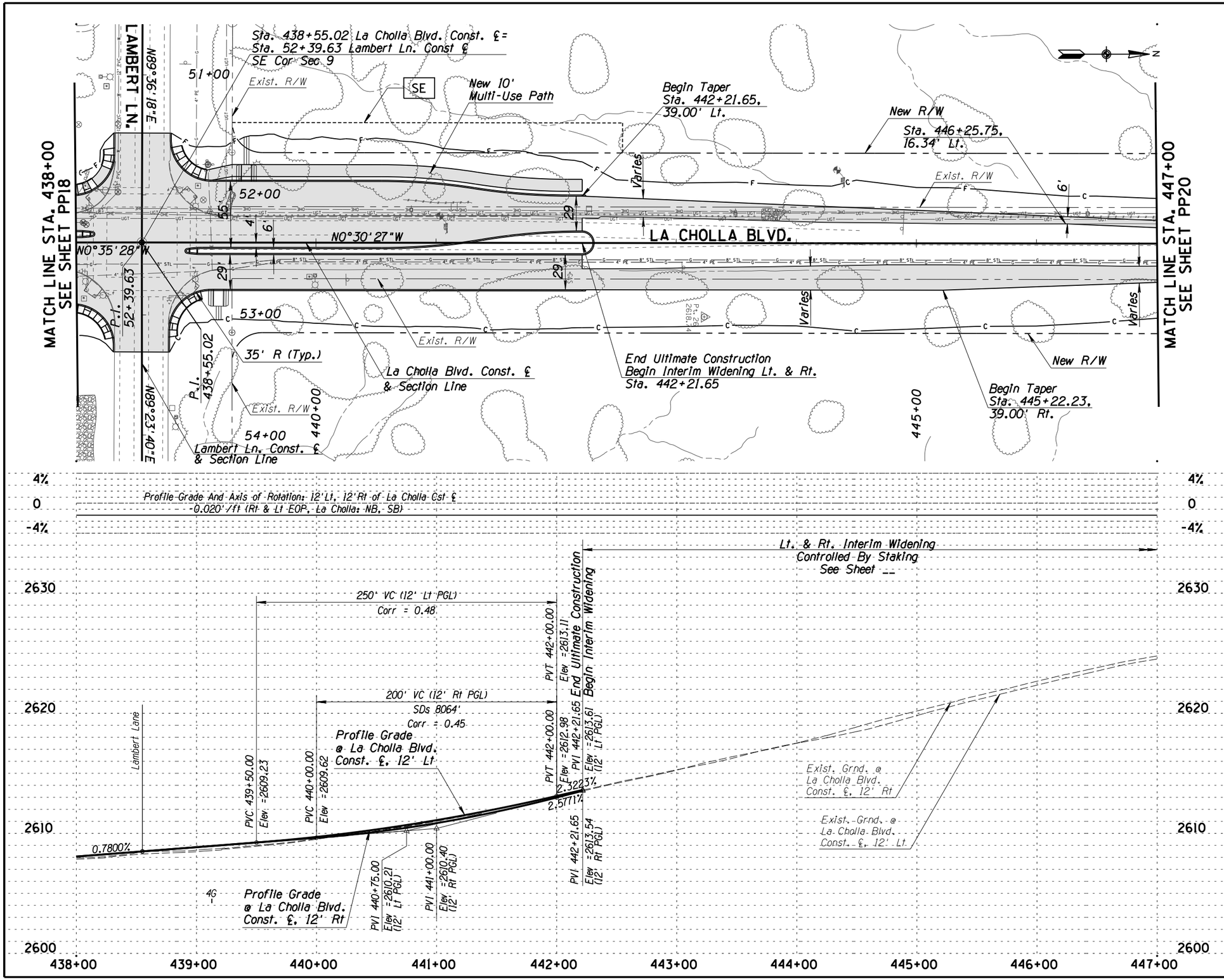
andrew_alderink



Notes:

SE New Slope Easement

For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' / Vert. 1"= 4'	Sheet PP19 of PP23	Page 31 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date
1			
2			
3			
4			

STAGE II SUBMITTAL
PRELIMINARY - NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

ROADWAY PLAN AND PROFILE
LA CHOLLA BLVD.
MACEE RD. TO LAMBERT LN.
STA. 438+00 TO STA. 447+00
PROJECT NO. 4RTLTM

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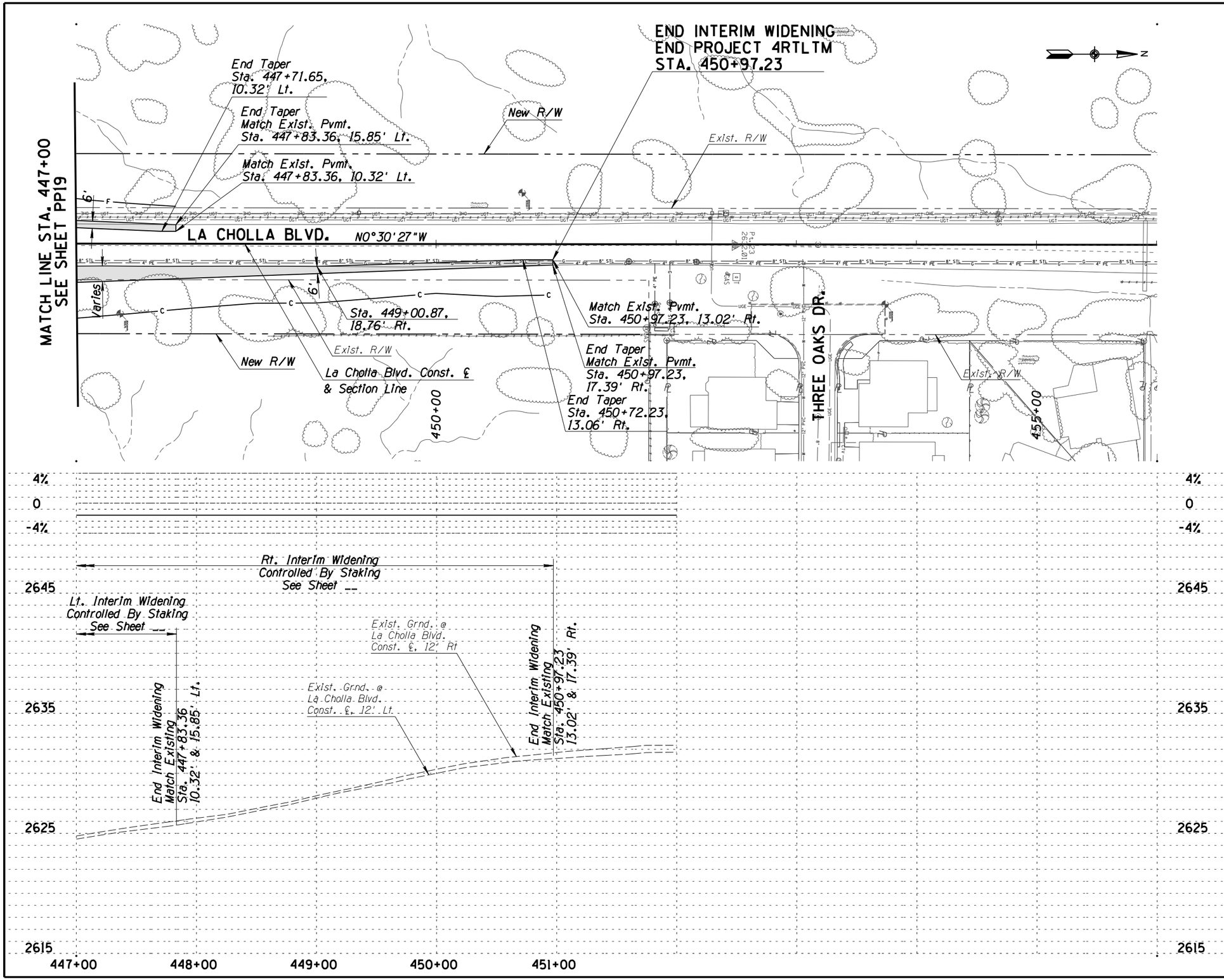
andrew_alderink



For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40' Vert. 1"= 4'

Sheet PP20 of PP23

Page 32 of 130

Priscilla S. Cornelio P.E., Director

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL

PRELIMINARY - NOT FOR CONSTRUCTION

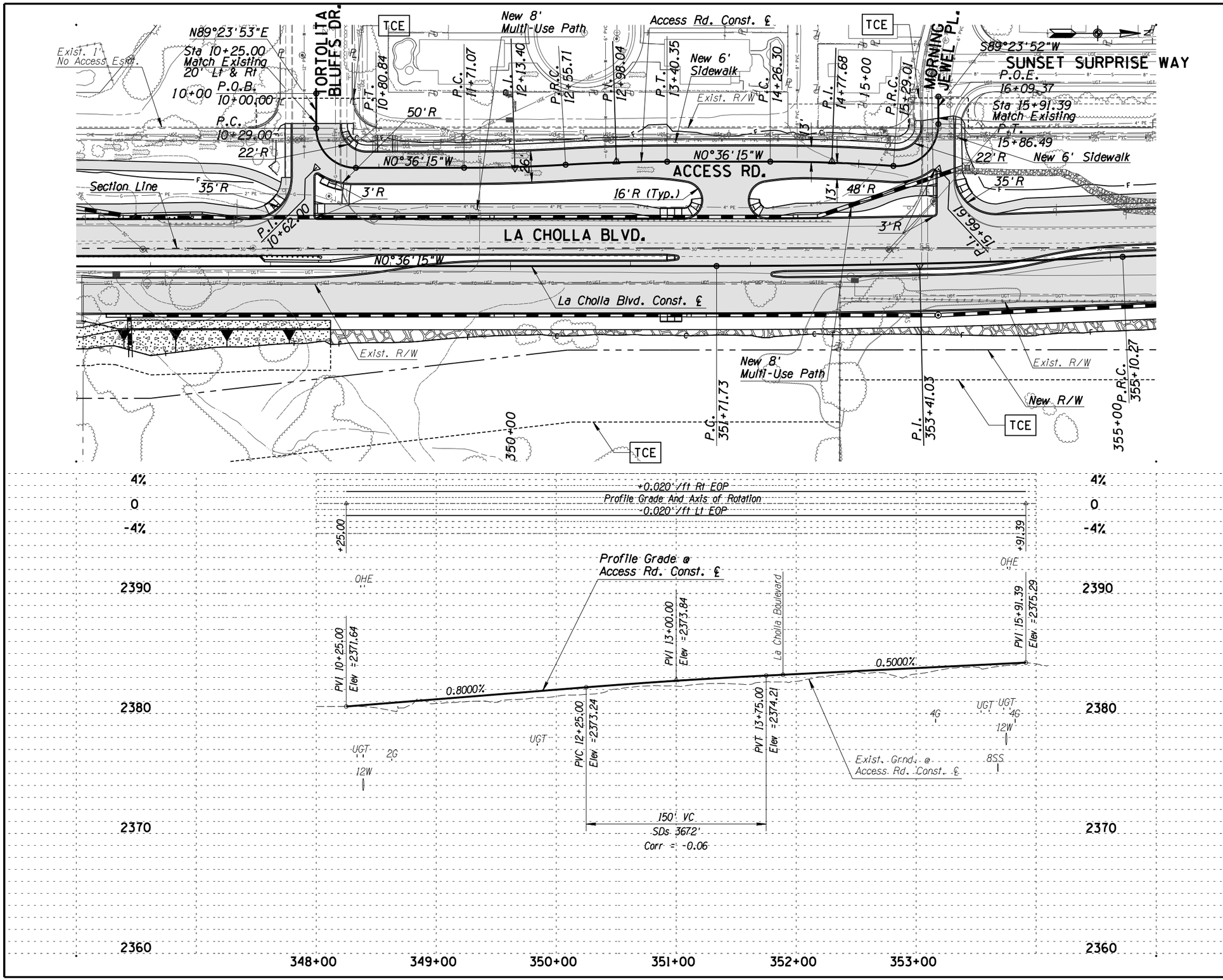
URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

Pima County Department of Transportation

ROADWAY PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 447+00 TO STA. 450+97.23
PROJECT NO. 4RTLTM

P:\PCDOT\24096890\Cadd\Sheet\4RTLTM_pp20.dgn 5/26/2010 9:00:12 AM

andrew_alderink



Notes:

TCE Temporary Construction Easement

For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

LEGEND

New Slope Protection

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' / Vert. 1"= 4'	Sheet PP21 of PP23	Page 33 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

STAGE II SUBMITTAL
PRELIMINARY - NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

ROADWAY PLAN AND PROFILE
ACCESS ROAD
STA. 10+00 TO STA. 16+09.37
PROJECT NO. 4RTLTM

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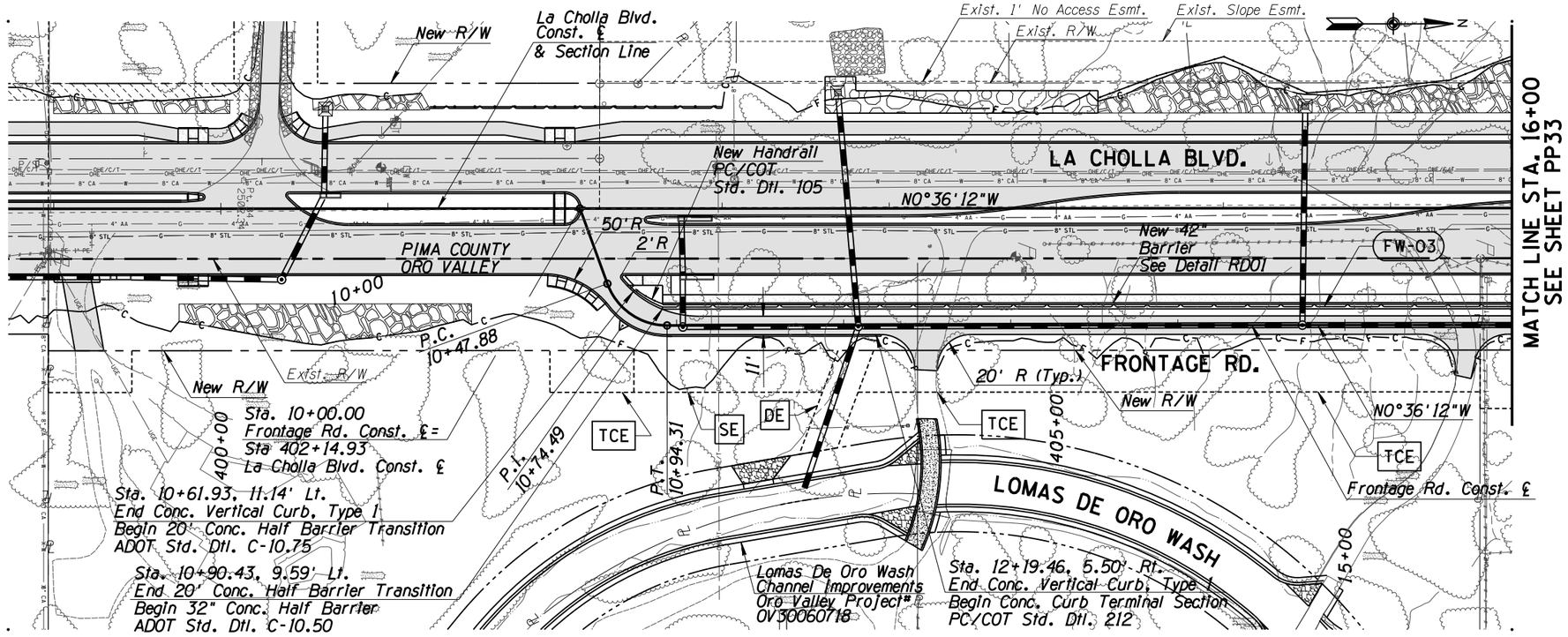
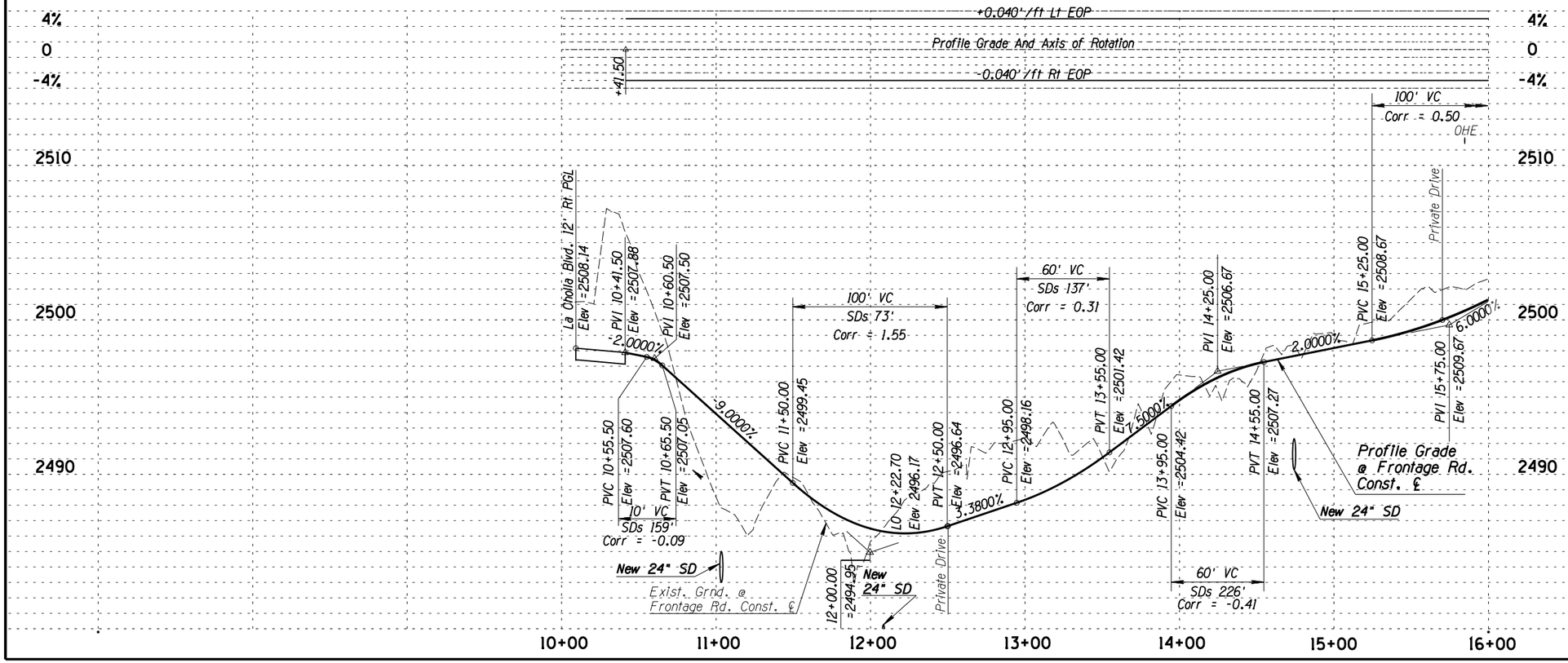
andrew_alderink





Notes:

FW-03 New Fill Wall See Sheet RW06-RW07

SE New Slope Easement

DE New Drainage Easement

TCE Temporary Construction Easement

For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

LEGEND

New Slope Protection

New Drainage Channel

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' Vert. 1"= 4'	Sheet PP22 of PP23	Page 34 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

ROADWAY PLAN AND PROFILE
FRONTAGE ROAD
STA. 10+00 TO STA. 16+00
PROJECT NO. 4RTLTM

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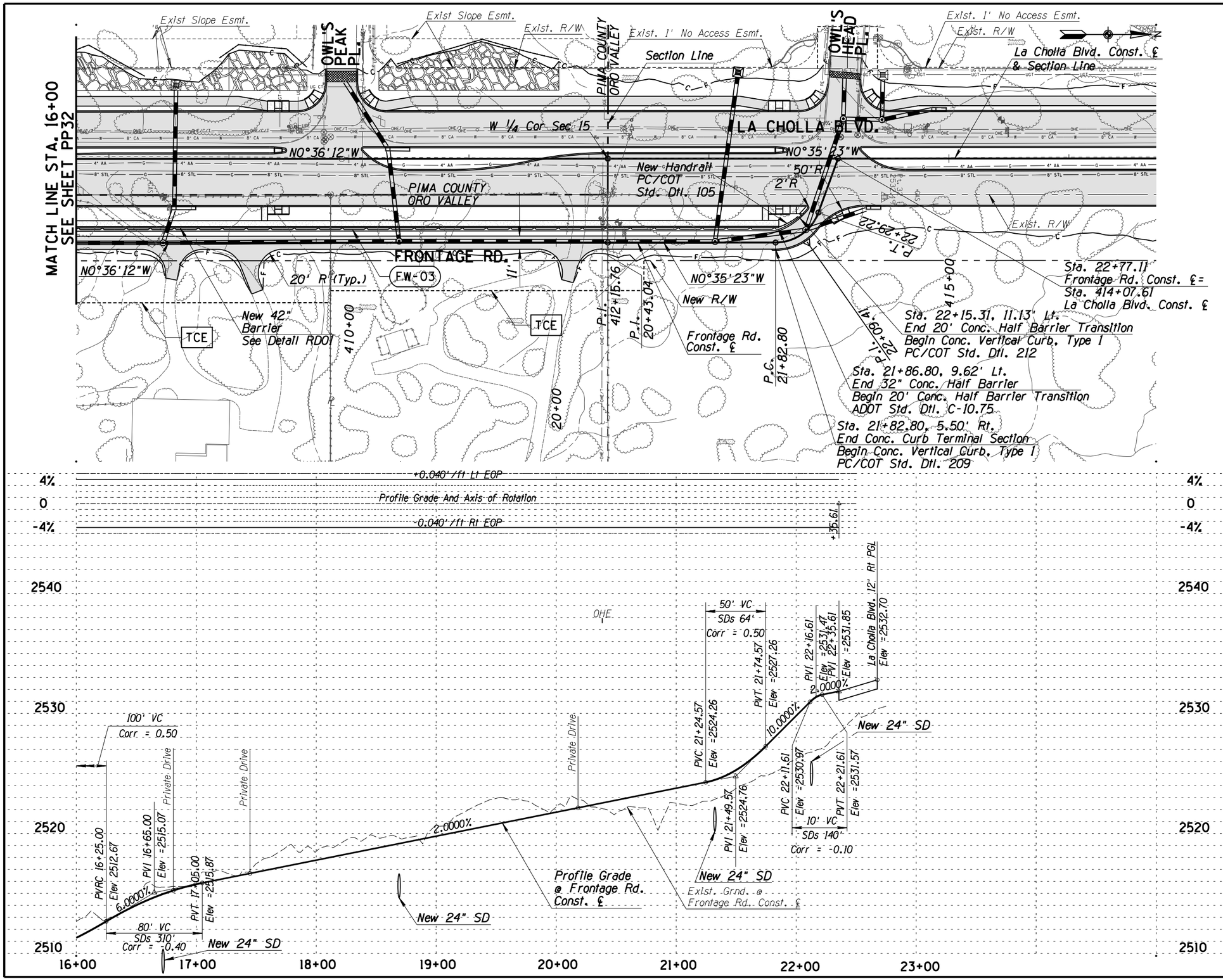

Notes:

FW-03 New Fill Wall See Sheet RW06-RW07

TCE Temporary Construction Easement

For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

LEGEND

New Slope Protection

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' / Vert. 1"= 4'	Sheet PP23 of PP23	Page 35 of 130

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date
1			
2			
3			
4			

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone 520-887-1800

Pima County Department of Transportation

ROADWAY PLAN AND PROFILE
FRONTAGE ROAD
STA. 16+00 TO STA. 22+77.11
PROJECT NO. 4RTLTM

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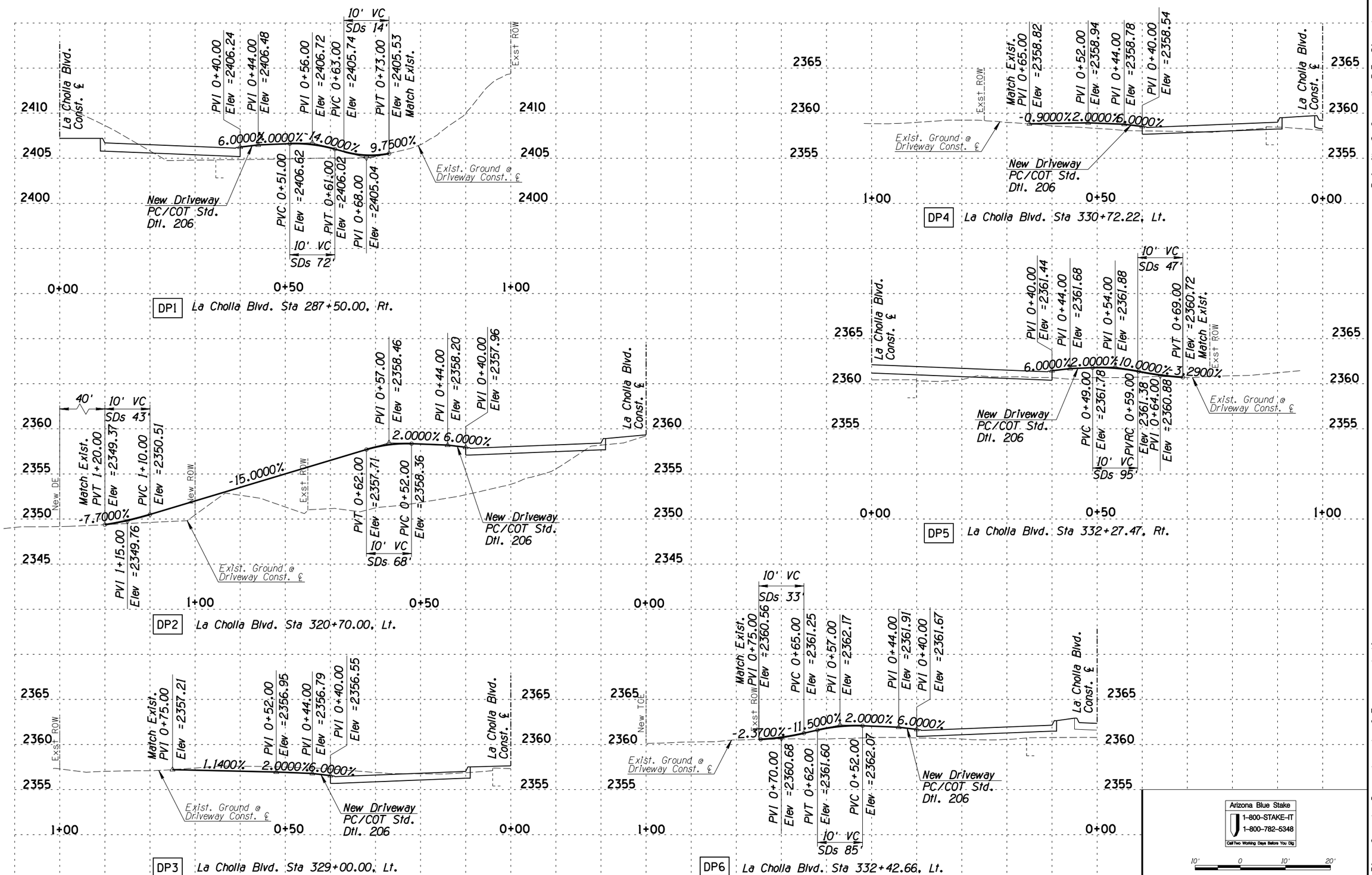
andrew_alderink



Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

10' 0 10' 20'

Scale	Horiz. 1"= 10' Vert. 1"= 5'	Sheet DP01 of DP03	Page 36 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

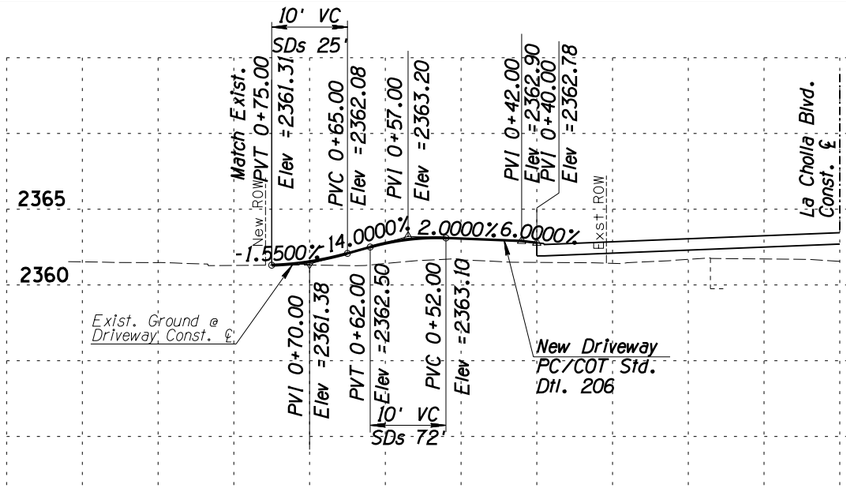
DRIVEWAY PROFILES
LA CHOLLA BLVD
MACEE RD. TO LAMBERT LN.
PROJECT NO. 4R1LTM

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

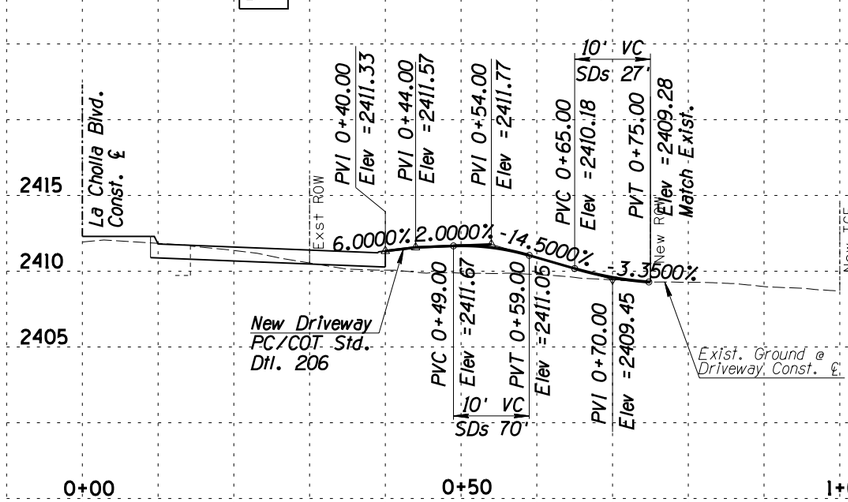
URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

		Date
Designed	TW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	ES	05/10

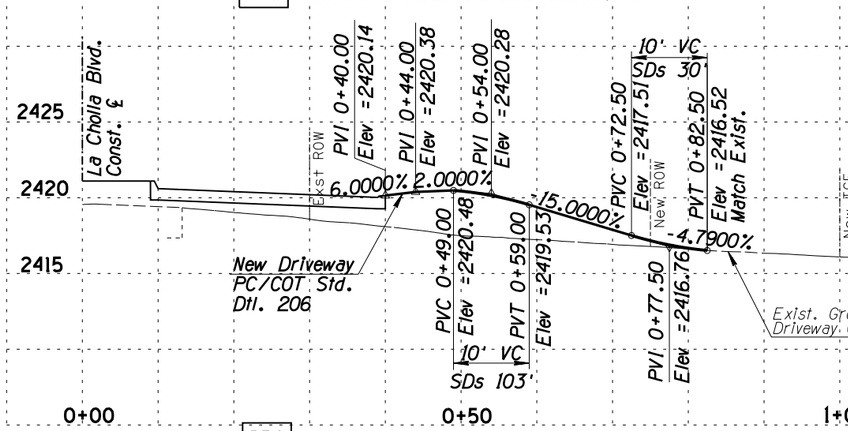
No.	Revision Description	Engineer	Date



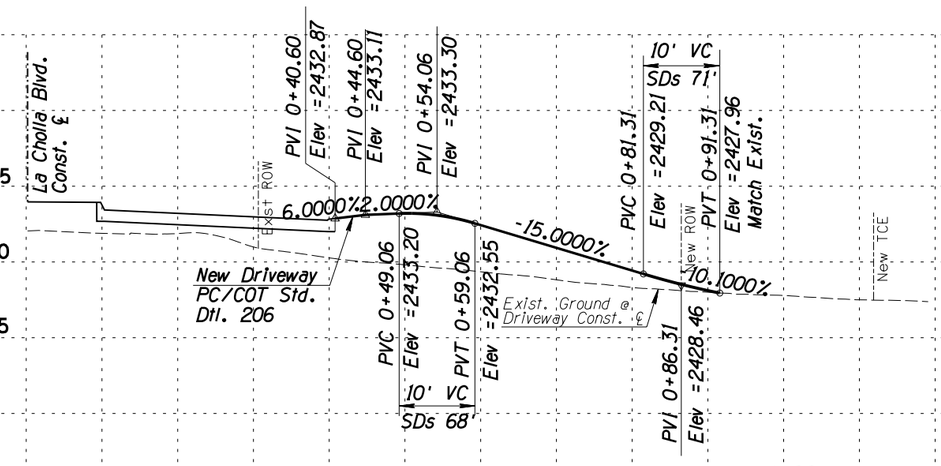
DP7 La Cholla Blvd. Sta 333+44.45, Lt.



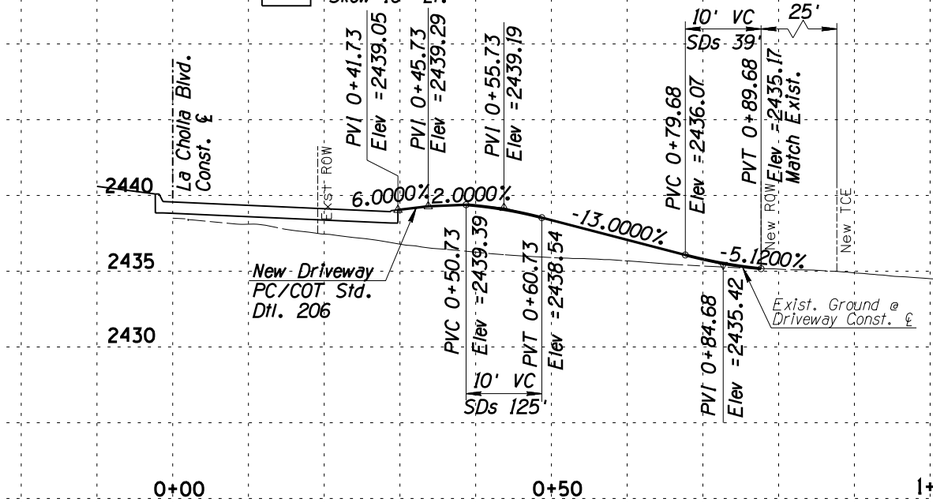
DP8 La Cholla Blvd. Sta 369+83.00, Rt.



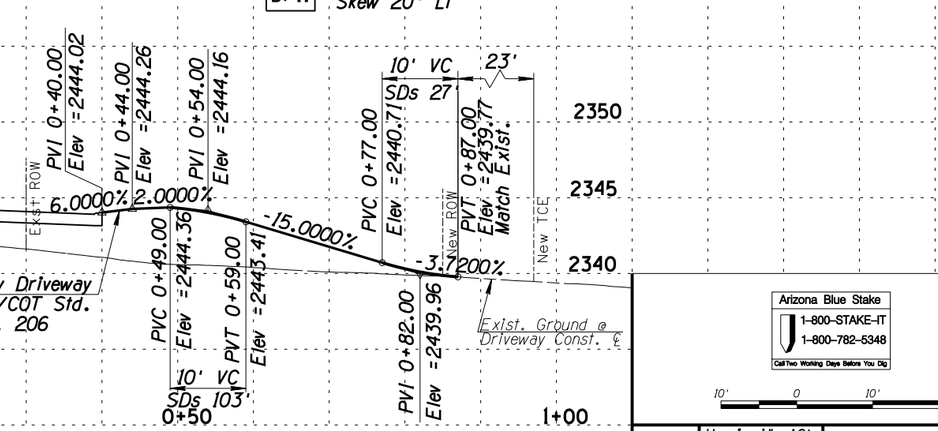
DP9 La Cholla Blvd. Sta 372+39.39, Rt.



DP10 La Cholla Blvd. Sta 379+09.83, Lt.
Skew 10° Lt.



DP11 La Cholla Blvd. Sta 382+56.85, Rt.
Skew 20° Lt



DP12 La Cholla Blvd. Sta 385+40.97, Rt.

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

10' 0 10' 20'

Scale	Horiz. 1"= 10' / Vert. 1"= 5'	Sheet DP02 of DP03	Page 37 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

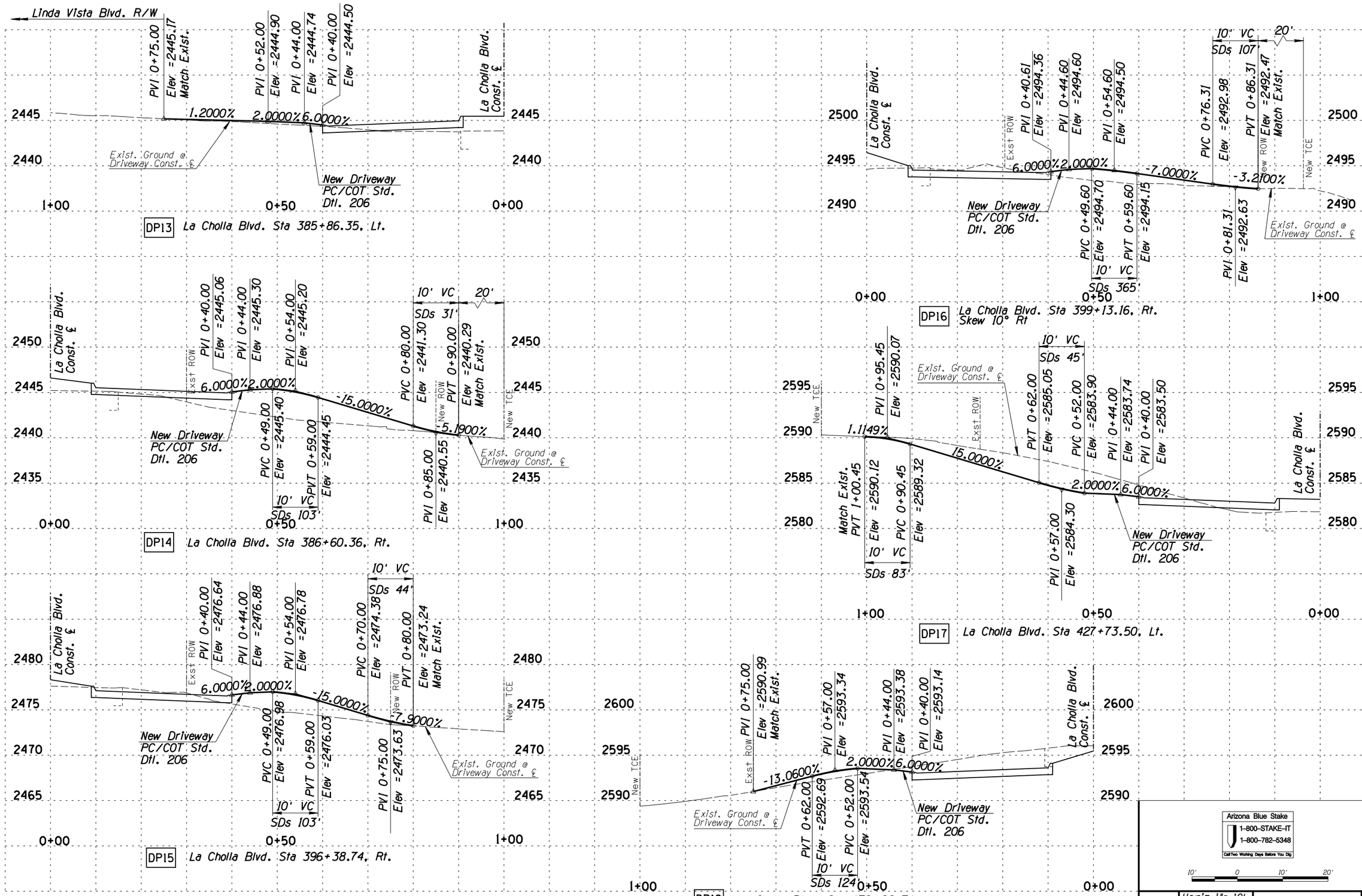
Designed	TW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	ES	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

DRIVEWAY PROFILES
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4R7LTM



Scale: Horiz. 1" = 10'; Vert. 1" = 5'

Sheet DP03 of DP03

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

No.	Revision Description	Engineer	Date
△			
△			
△			
△			

		Date
Designed	TW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	ES	05/10

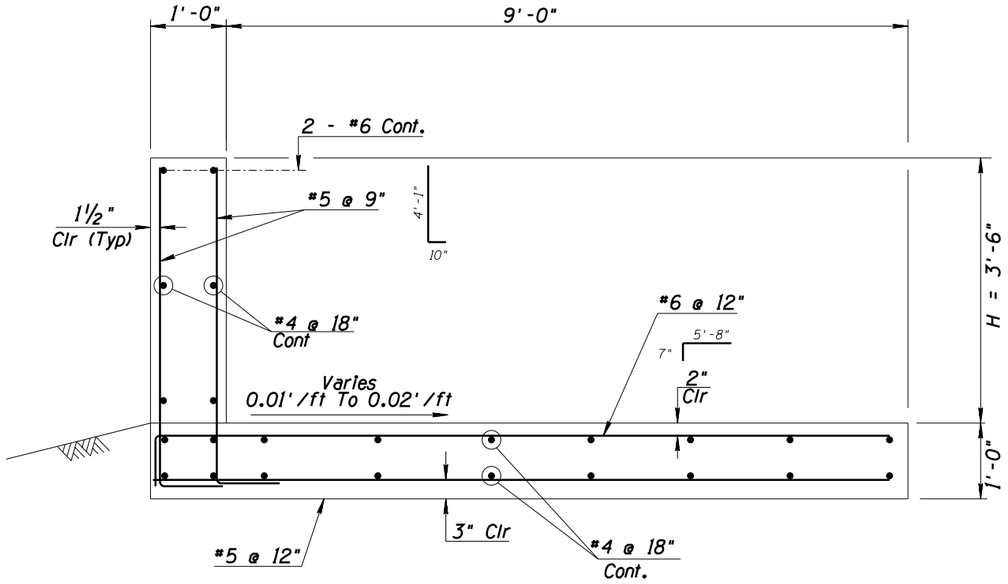
STAGE II SUBMITTAL

PRELIMINARY-NOT FOR CONSTRUCTION

URS

333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

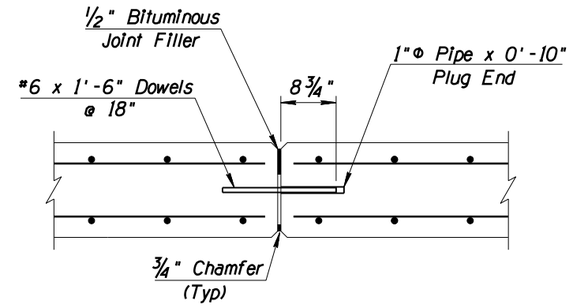
DRIVEWAY PROFILES
LA CHOLLA BLVD.
MACEE RD. TO LAMBERT LN.
PROJECT NO. 4R1LTM



42" BARRIER WITH MULTI-USE PATH

Scale: 1" = 1'-0"

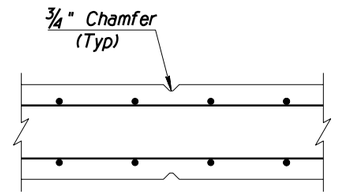
Note: This Detail Will Be Paid For Under Item XXXXXXXX.



TYPICAL EXPANSION JOINT DETAIL

Provide Expansion Joints At Intervals
Not Exceeding 90'-0"

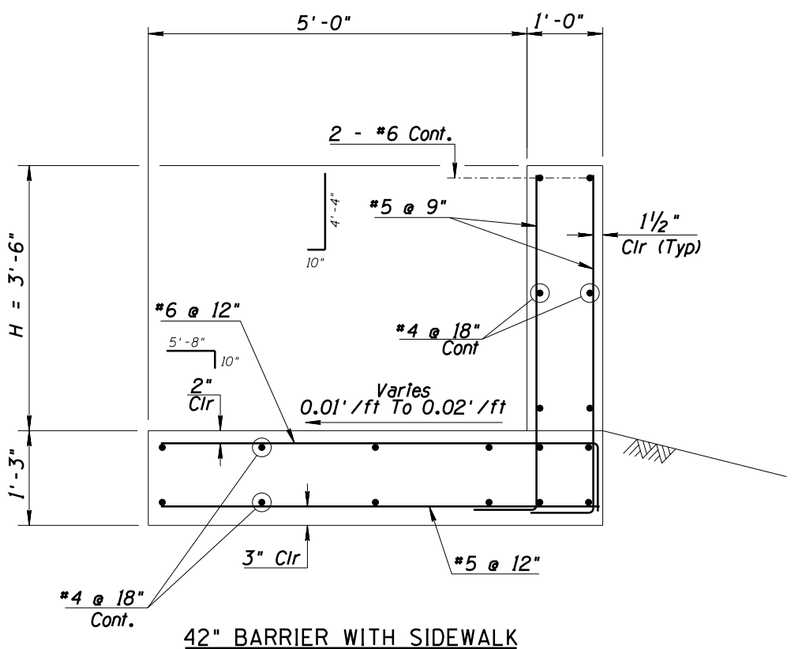
Scale: 1" = 1'-0"



TYPICAL CONTROL JOINT DETAIL

Provide Control Joints At Intervals
Not Exceeding 15'-0"

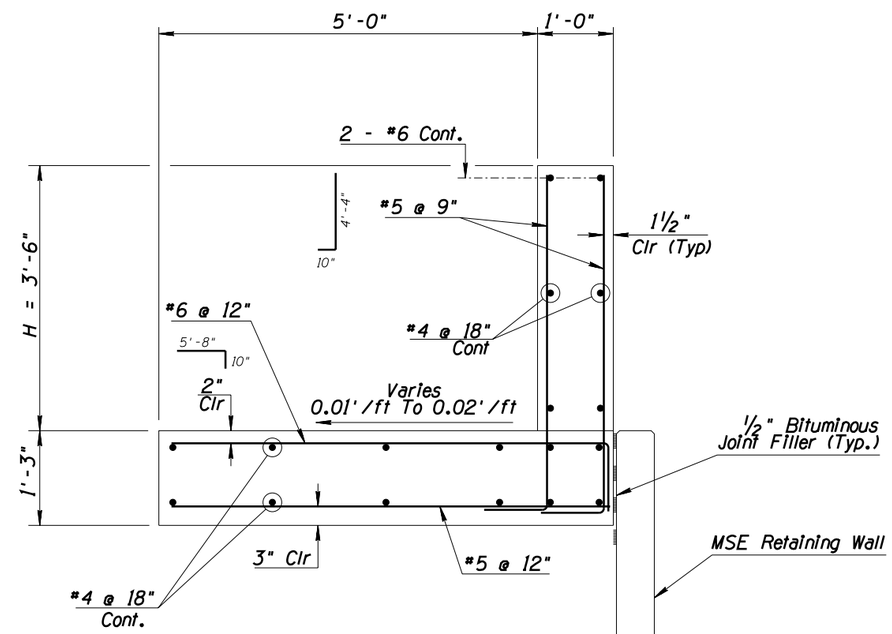
Scale: 1" = 1'-0"



42" BARRIER WITH SIDEWALK

Scale: 1" = 1'-0"

Note: This Detail Will Be Paid For Under Item XXXXXXXX.



42" BARRIER WITH SIDEWALK AT MSE WALL

Scale: 1" = 1'-0"

Note: This Detail Will Be Paid For Under Item XXXXXXXX.

DETAIL RD1

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

Priscilla S. Cornelio P.E., Director

		Date
Designed	TMM	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date
1			
2			
3			
4			
5			

STAGE II
SUBMITTAL
PRELIMINARY-
NOT FOR
CONSTRUCTION

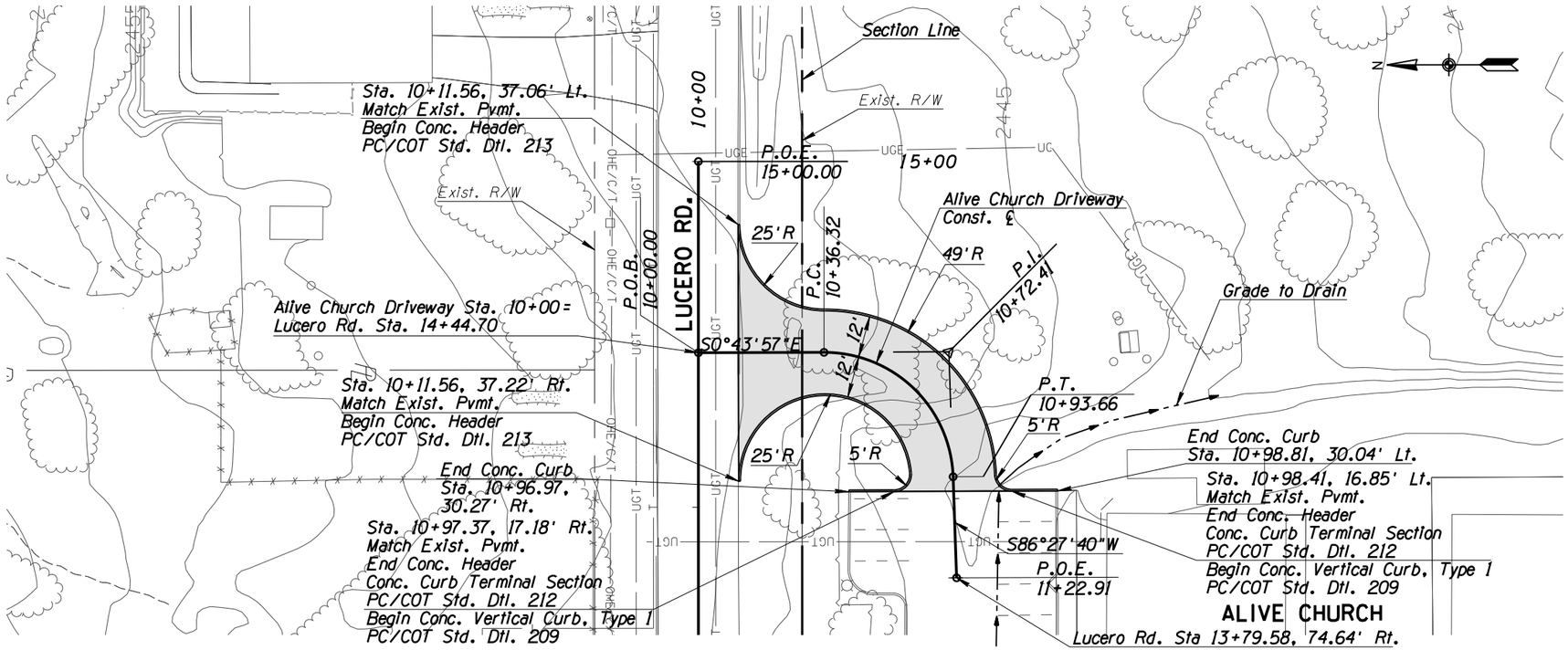
URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

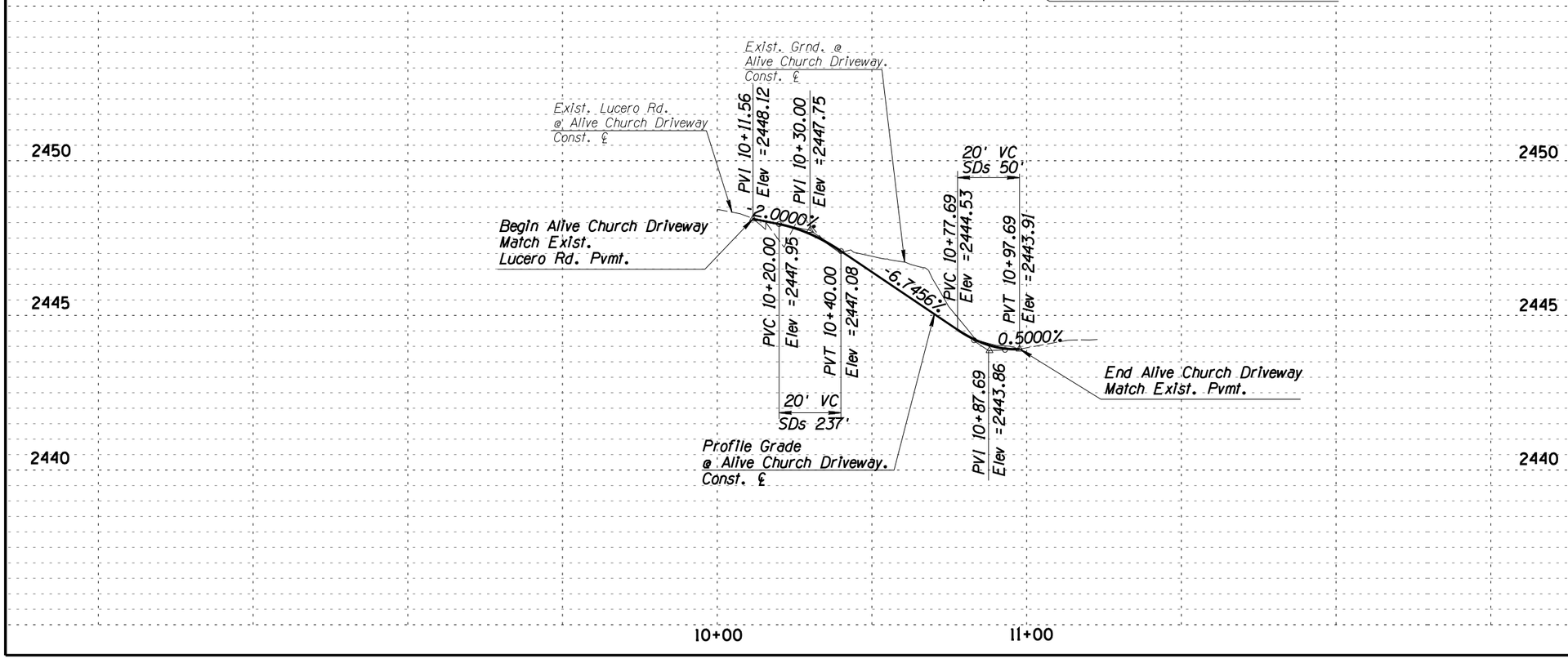
Pima County Department of Transportation

ROADWAY DETAIL
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

Scale	Horiz. 1"= 1' / Vert. 1"= NA	Sheet RD01 of RD02	Page 39 of 130

$TIME$
$DATE$
$FILE$
$USERNAME$





DETAIL RD2

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

20 0 20 40'

Scale: Horiz. 1"= 20' / Vert. 1"= 2'

Sheet RD02 of RD02

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

Pima County Department of Transportation

ROADWAY DETAIL
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

Page 40 of 130

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brian_ravesloot

CURVE DATA TABLE				
Curve	Radius	Delta	Length	Tangent
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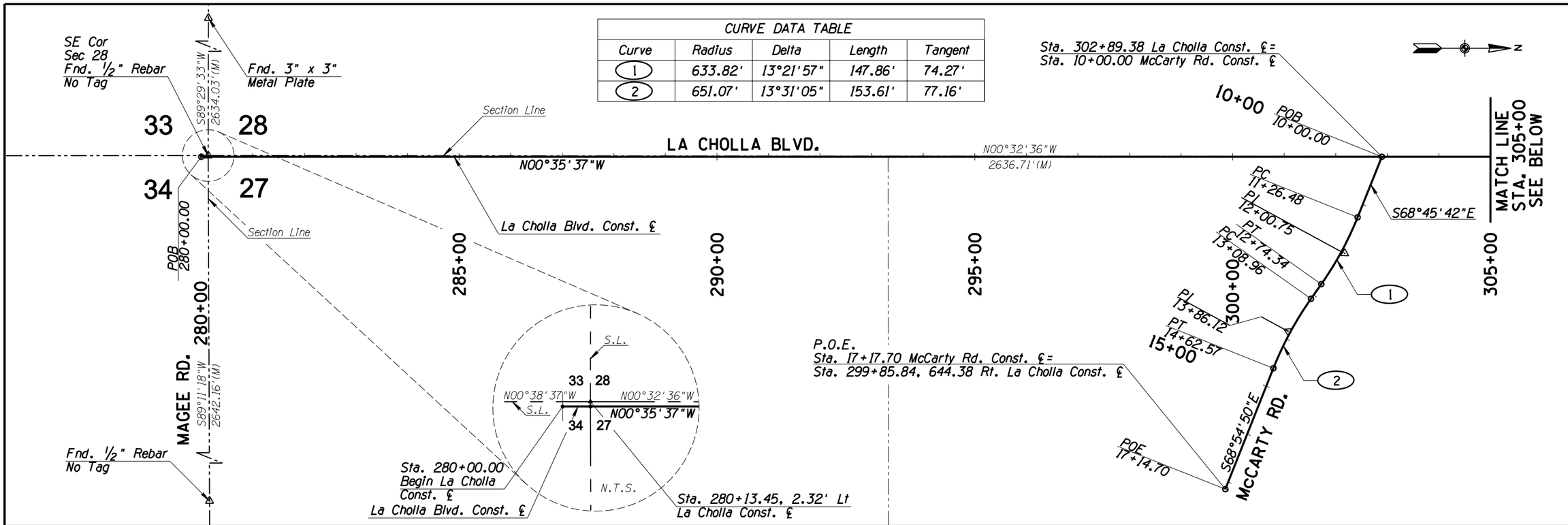
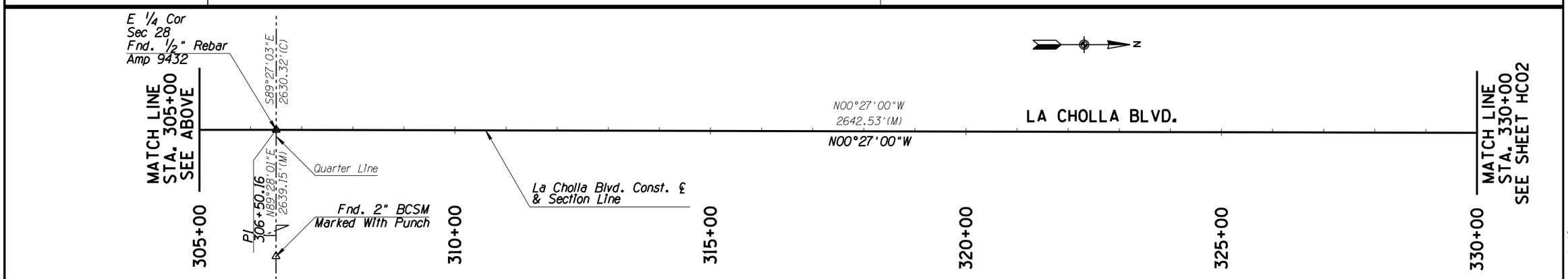
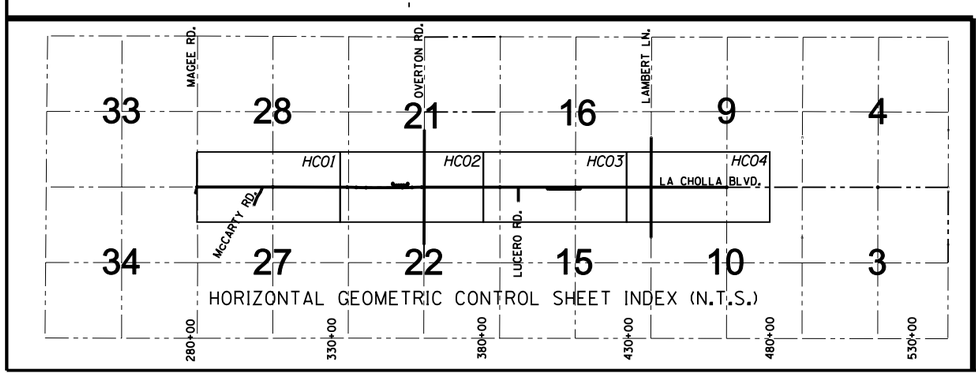
2	651.07'	13°31'05"	153.61'	77.16'







Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

Scale	Horiz. 1"= 100'	Sheet HC01 of HC18	Page 41 of 130
	Vert. 1"= NA		

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II
SUBMITTAL
PRELIMINARY-
NOT FOR
CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone 520-887-1800

HORIZONTAL GEOMETRIC CONTROL
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 280+00 TO STA. 330+00
PROJECT NO. 4RTLTM

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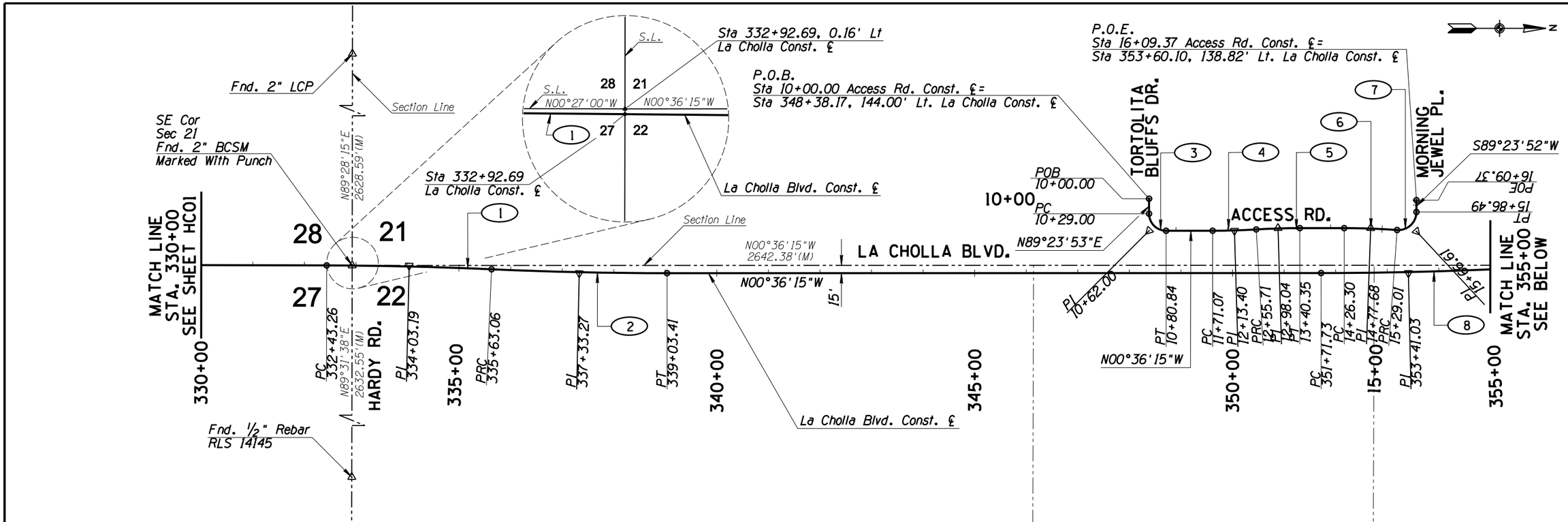
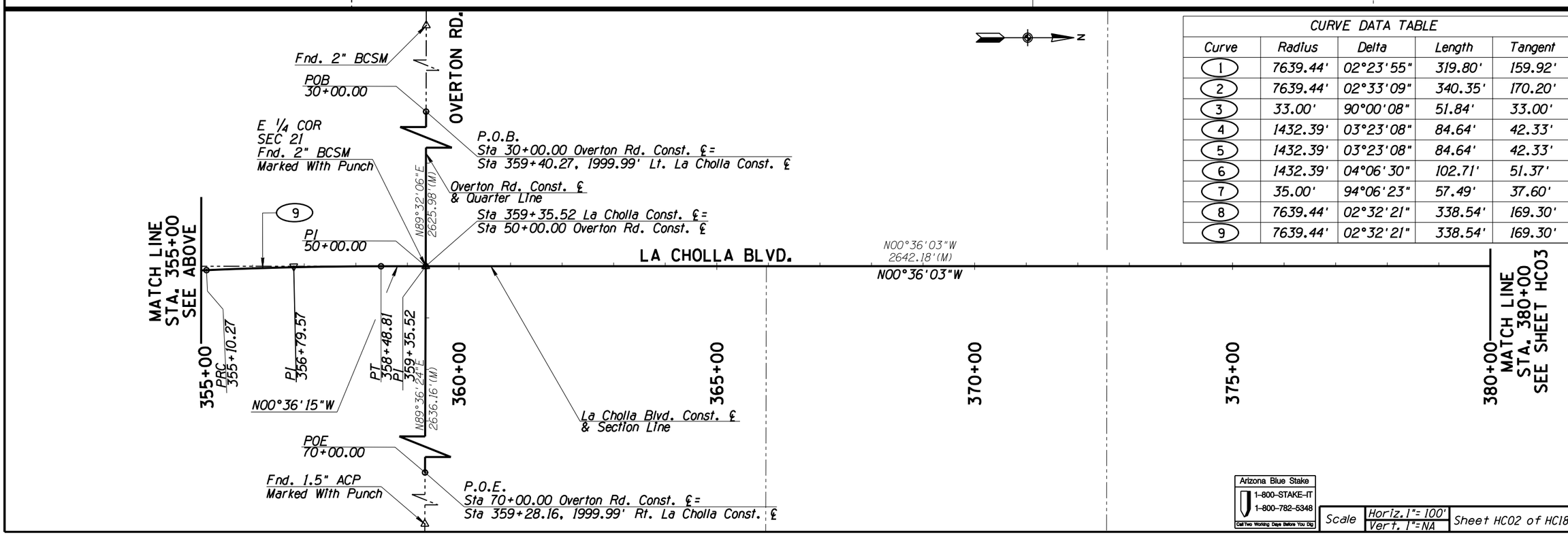
brian_ravesloot





CURVE DATA TABLE

Curve	Radius	Delta	Length	Tangent
1	7639.44'	02°23'55"	319.80'	159.92'
2	7639.44'	02°33'09"	340.35'	170.20'
3	33.00'	90°00'08"	51.84'	33.00'
4	1432.39'	03°23'08"	84.64'	42.33'
5	1432.39'	03°23'08"	84.64'	42.33'
6	1432.39'	04°06'30"	102.71'	51.37'
7	35.00'	94°06'23"	57.49'	37.60'
8	7639.44'	02°32'21"	338.54'	169.30'
9	7639.44'	02°32'21"	338.54'	169.30'

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

Scale: Horiz. 1"= 100' / Vert. 1"=NA

Sheet HC02 of HC18

Page 42 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL

PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

HORIZONTAL GEOMETRIC CONTROL
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 330+00 TO STA. 380+00
PROJECT NO. 4RTL TM

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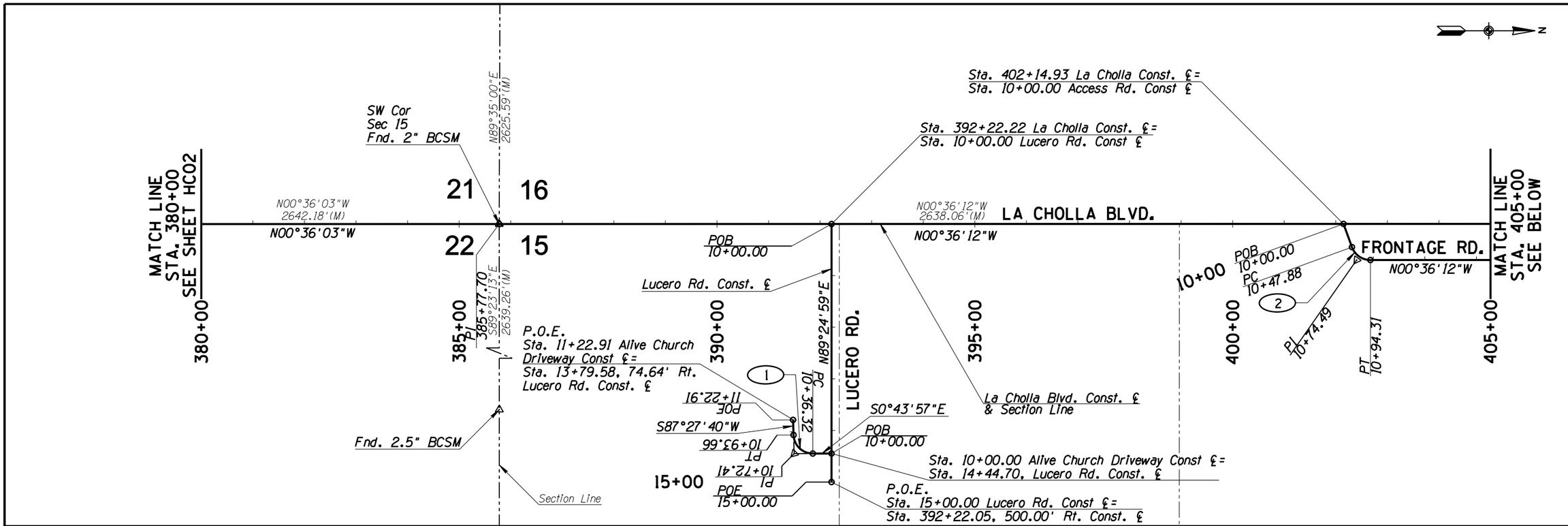
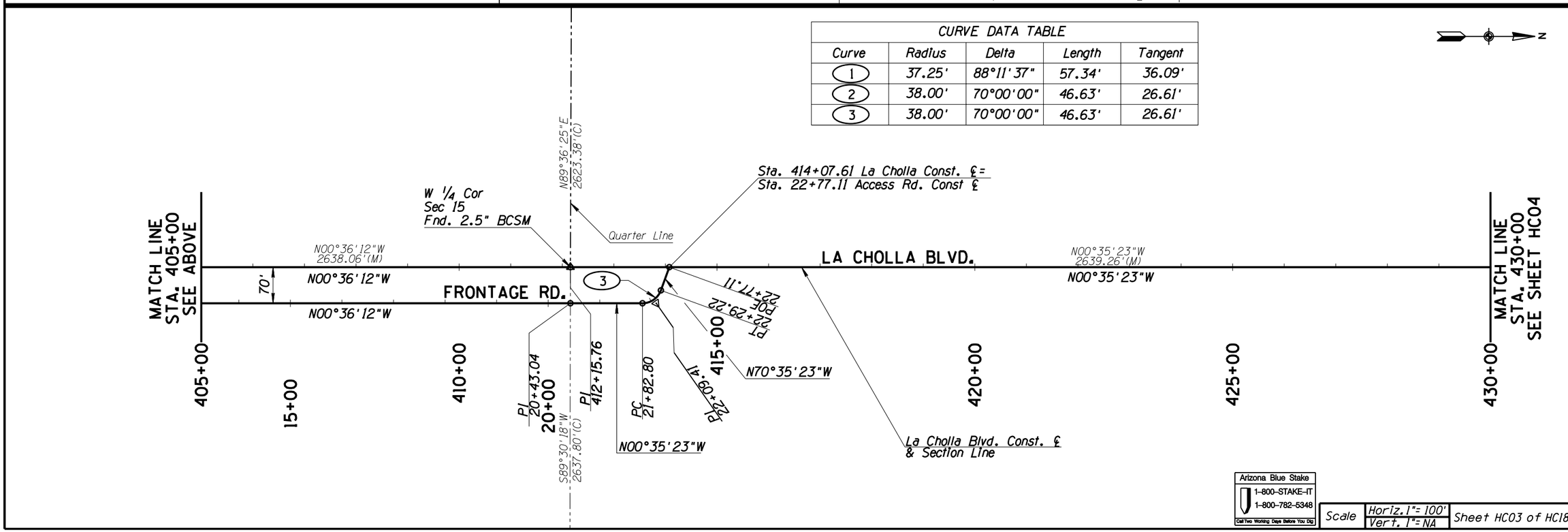
brian_ravesloot



CURVE DATA TABLE				
Curve	Radius	Delta	Length	Tangent
1	37.25'	88°11'37"	57.34'	36.09'
2	38.00'	70°00'00"	46.63'	26.61'
3	38.00'	70°00'00"	46.63'	26.61'



Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

Scale	Horiz. 1"= 100' / Vert. 1"= NA	Sheet HC03 of HC18	Page 43 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II
SUBMITTAL
PRELIMINARY-
NOT FOR
CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-4800

HORIZONTAL GEOMETRIC CONTROL
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 380+00 TO STA. 430+00
PROJECT NO. 4RTLTM

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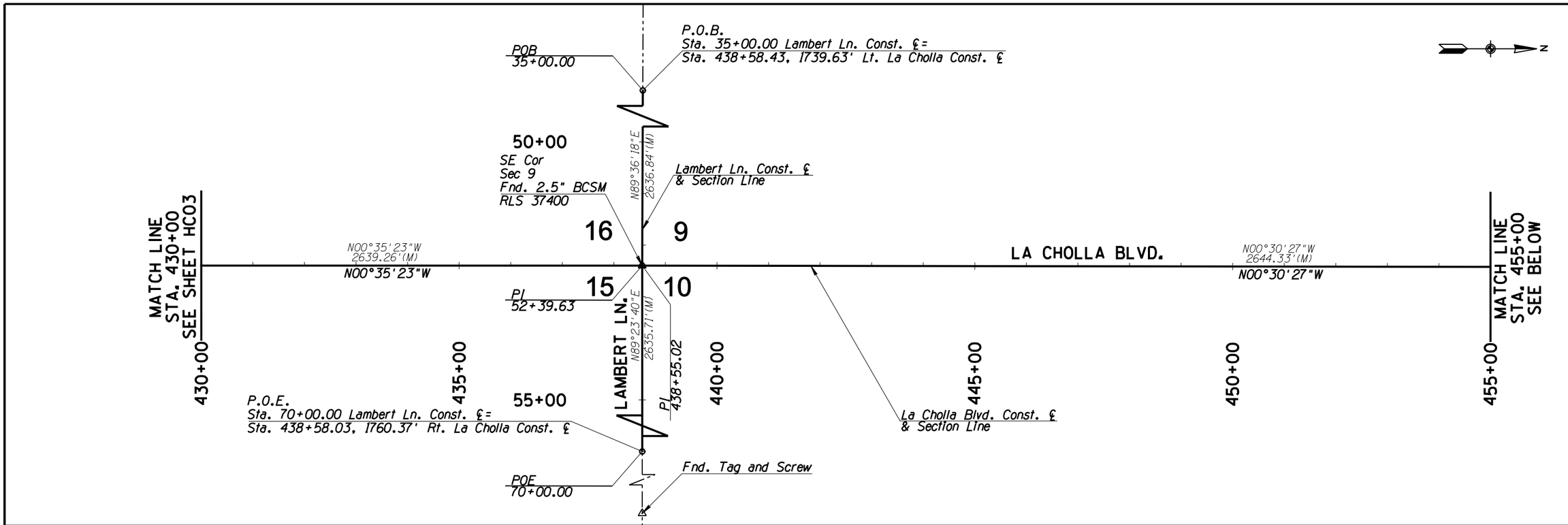
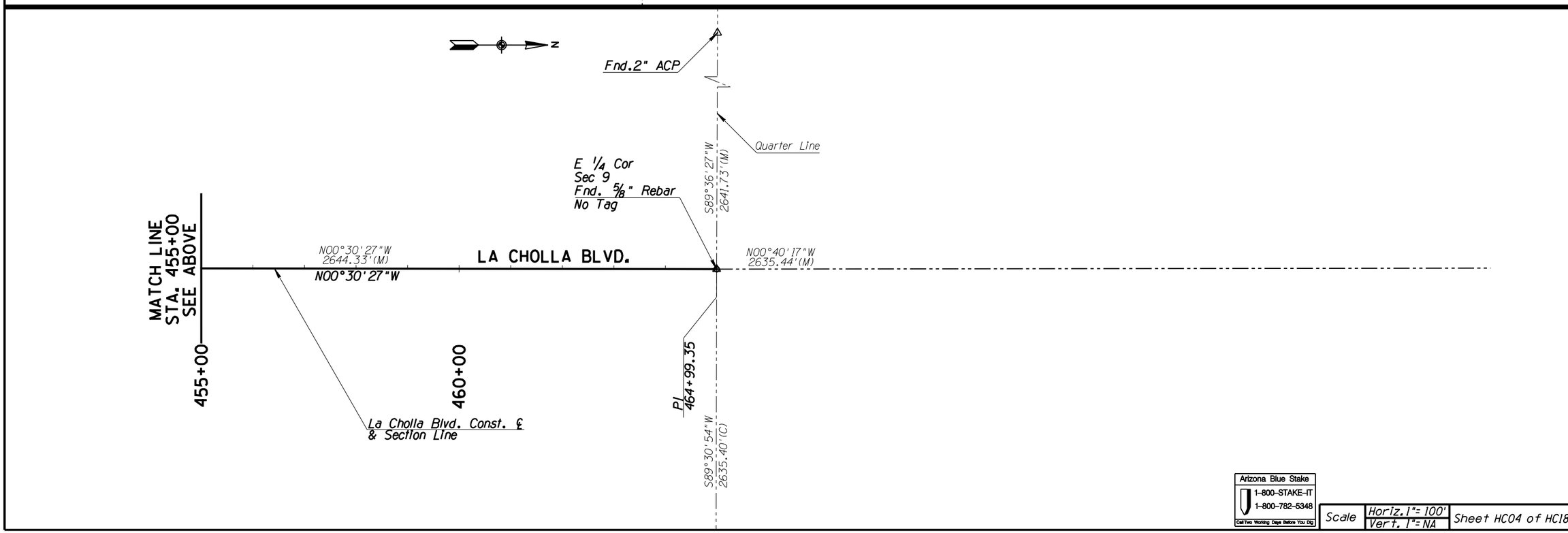
brian_ravesloot





Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

Scale	Horiz. 1"= 100' / Vert. 1"= NA	Sheet HC04 of HC18	Page 44 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date
1			
2			
3			
4			
5			

STAGE II
SUBMITTAL
PRELIMINARY-
NOT FOR
CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-8800

HORIZONTAL GEOMETRIC CONTROL
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 430+00 TO STA. 464+99.35
PROJECT NO. 4RTLTM

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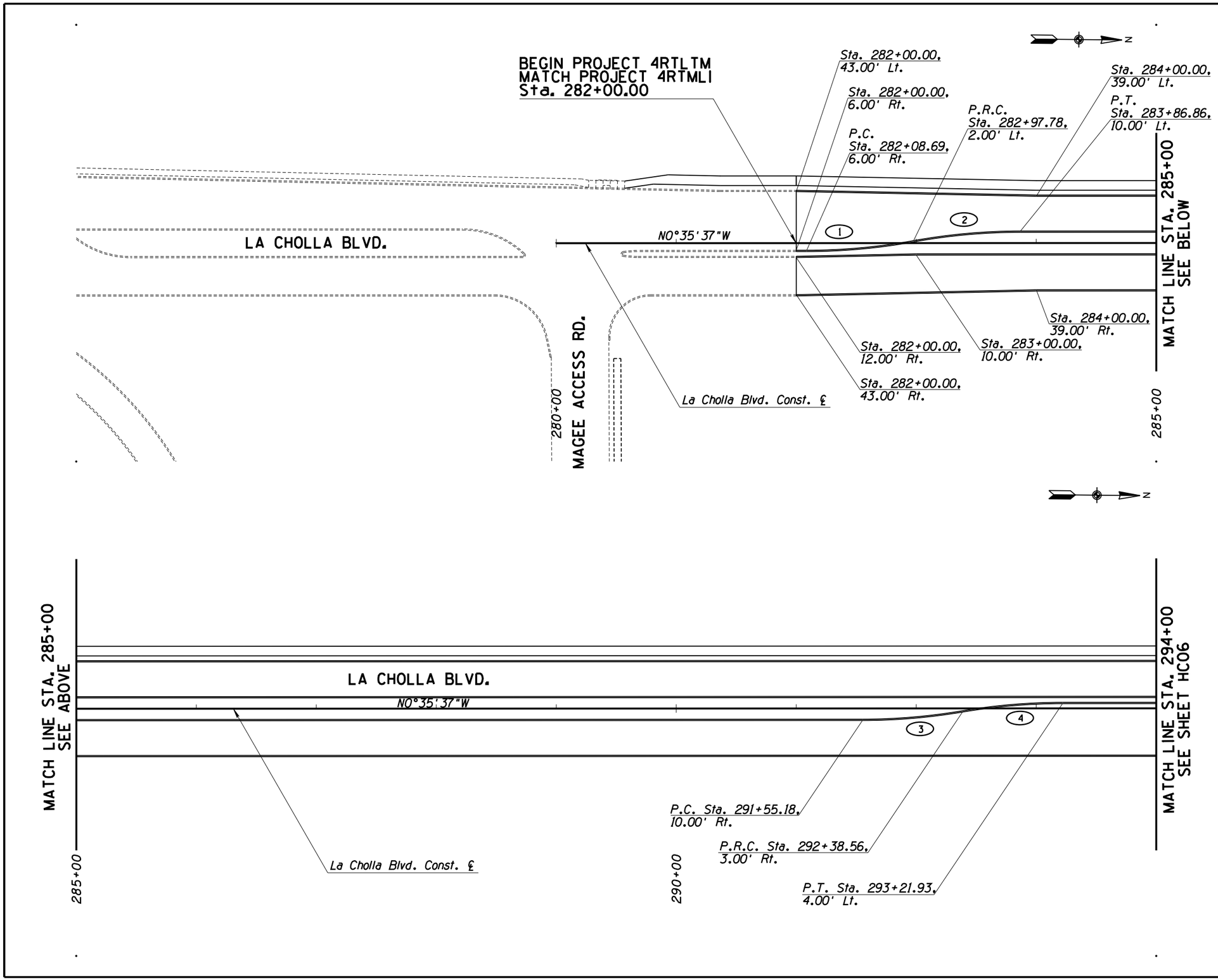

CURVE DATA TABLE

Curve	Radius	Delta	Length	Tangent
1	500.00'	10°15'47"	89.56'	44.90'
2	500.00'	10°15'47"	89.56'	44.90'
3	500.00'	9°35'97"	83.77'	41.98'
4	500.00'	9°35'55"	83.76'	41.98'

Notes:

1. Stations & Offsets are to Face of Curb

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40' Vert. 1"= NA

Sheet HC05 of HC18

Page 45 of 130

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL

PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

Pima County Department of Transportation

HORIZONTAL ROADWAY CONTROL
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 282+00 TO STA. 294+00
PROJECT NO. 4RTLTM

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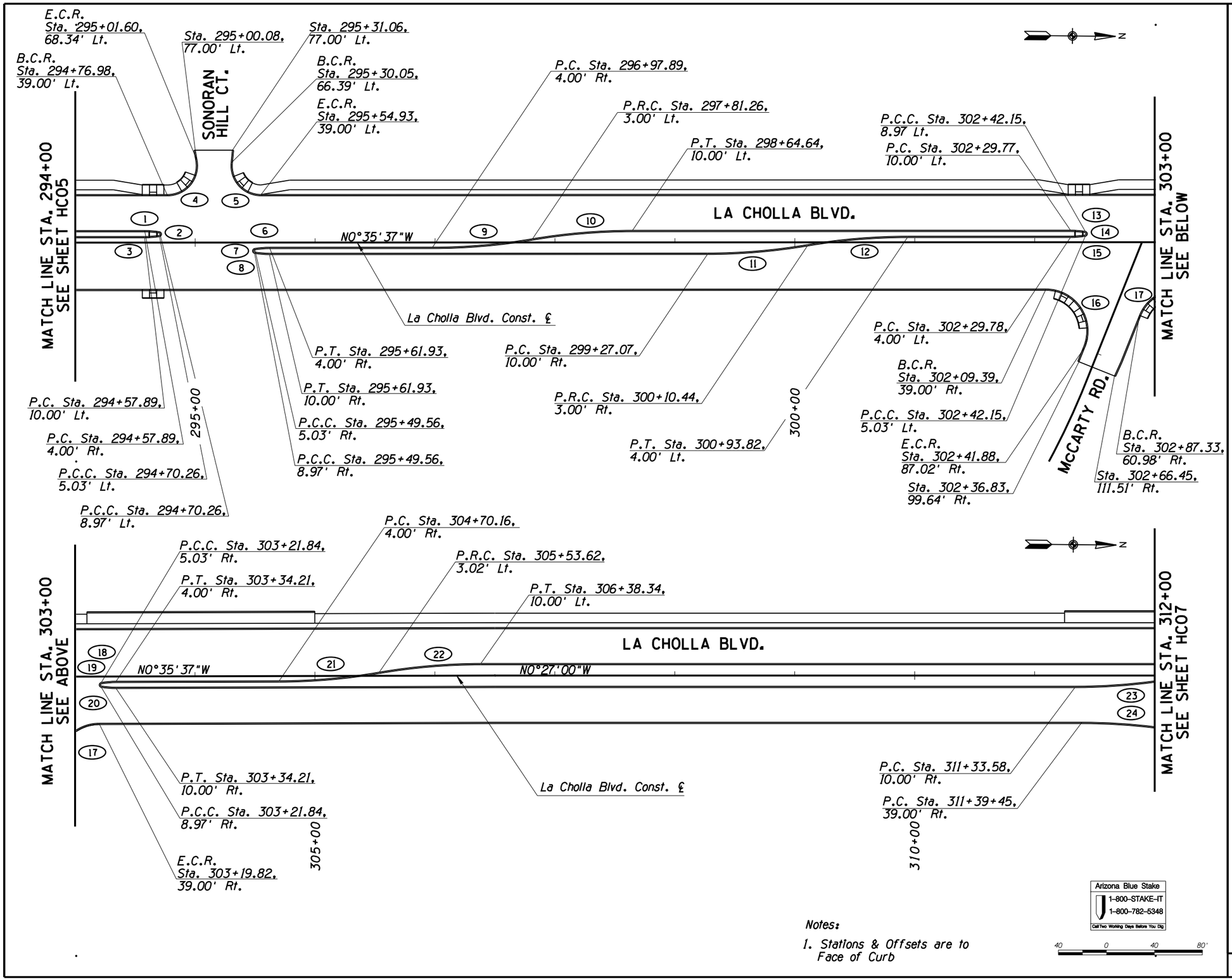

Notes:

1. Stations & Offsets are to Face of Curb

CURVE DATA TABLE				
Curve	Radius	Delta	Length	Tangent
21	500.00'	9°36'34"	83.86'	42.03'
22	500.00'	9°45'10"	85.11'	42.66'
23	500.00'	9°35'55"	83.76'	41.98'
24	500.00'	8°53'06"	77.54'	38.85'

CURVE DATA TABLE				
Curve	Radius	Delta	Length	Tangent
11	500.00'	9°35'55"	83.76'	41.98'
12	500.00'	9°35'55"	83.76'	41.98'
13	75.00'	9°29'42"	12.43'	6.23'
14	2.00'	161°00'39"	5.62'	11.96'
15	75.00'	9°29'40"	12.43'	6.23'
16	35.00'	111°49'55"	68.31'	51.73'
17	35.00'	68°10'05"	41.64'	23.68'
18	75.00'	9°29'42"	12.43'	6.23'
19	2.00'	161°00'39"	5.62'	11.96'
20	75.00'	9°29'40"	12.43'	6.23'

CURVE DATA TABLE				
Curve	Radius	Delta	Length	Tangent
1	75.00'	9°29'42"	12.43'	6.23'
2	2.00'	161°00'39"	5.62'	11.96'
3	75.00'	9°29'40"	12.43'	6.23'
4	25.00'	100°00'25"	43.64'	29.80'
5	25.00'	95°29'03"	41.66'	27.52'
6	75.00'	9°29'42"	12.43'	6.23'
7	2.00'	161°00'39"	5.62'	11.96'
8	75.00'	9°29'40"	12.43'	6.23'
9	500.00'	9°35'55"	83.76'	41.98'
10	500.00'	9°35'55"	83.76'	41.98'

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

Pima County Department of Transportation

HORIZONTAL ROADWAY CONTROL
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 294+00 TO STA. 312+00
PROJECT NO. 4RTLTM

Scale: Horiz. 1"= 40' / Vert. 1"= NA | Sheet HC06 of HC18 | Page 46 of 130

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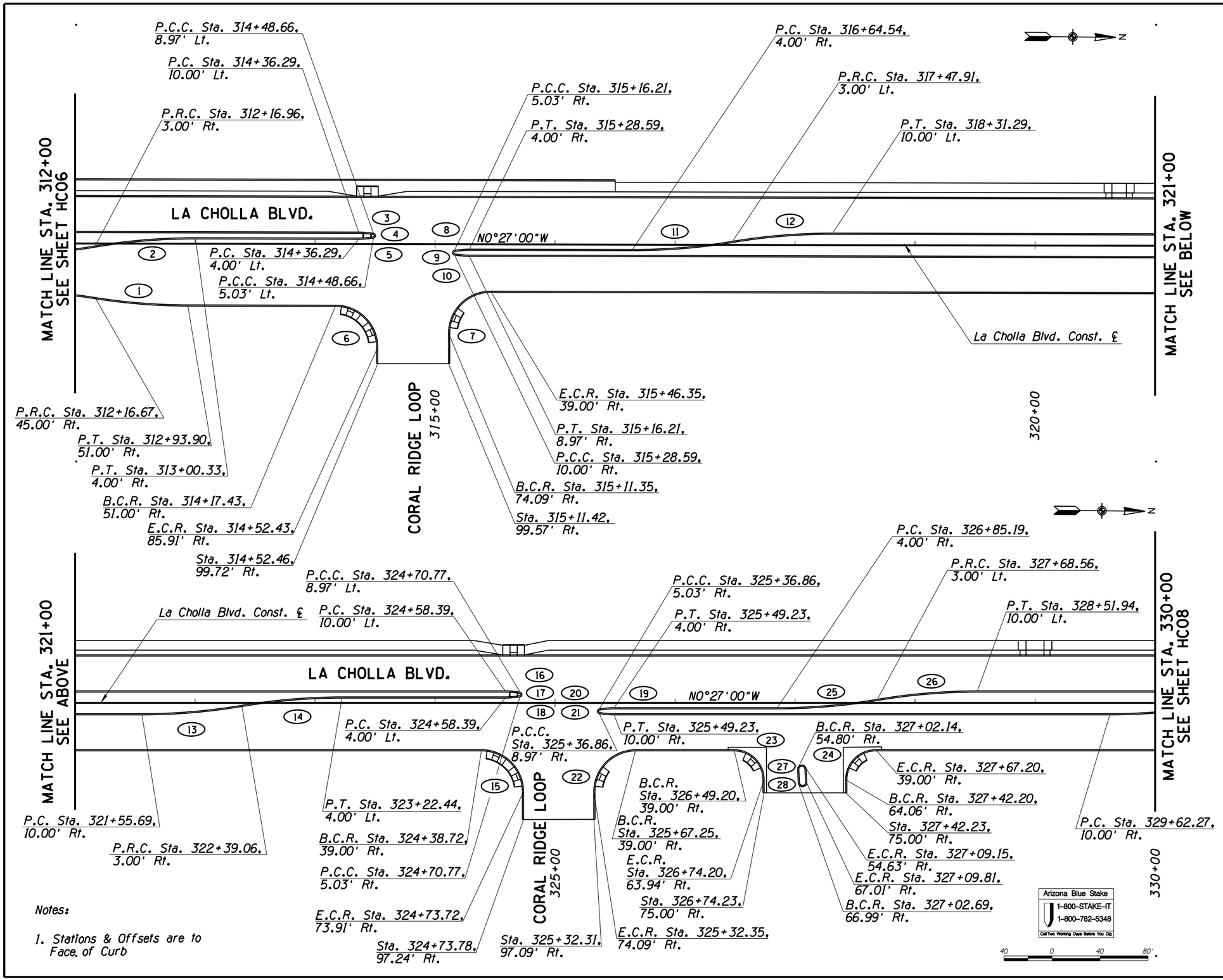

Notes:

1. Stations & Offsets are to Face of Curb

CURVE DATA TABLE				
Curve	Radius	Delta	Length	Tangent
21	75.00'	9°29'40"	12.43'	6.23'
22	35.00'	90°08'36"	55.07'	35.09'
23	25.00'	89°51'24"	39.21'	24.94'
24	25.00'	90°08'36"	39.33'	25.06'
25	500.00'	9°35'56"	83.77'	41.98'
26	500.00'	9°35'55"	83.76'	41.98'
27	3.58'	156°29'31"	9.77'	17.20'
28	3.67'	151°33'10"	9.71'	14.49'

CURVE DATA TABLE				
Curve	Radius	Delta	Length	Tangent
11	500.00'	9°35'55"	83.76'	41.98'
12	500.00'	9°35'55"	83.76'	41.98'
13	500.00'	9°35'55"	83.76'	41.98'
14	500.00'	9°35'56"	83.77'	41.98'
15	35.00'	89°51'24"	54.89'	34.91'
16	75.00'	9°29'40"	12.43'	6.23'
17	2.00'	161°00'39"	5.62'	11.96'
18	75.00'	9°29'40"	12.43'	6.23'
19	75.00'	9°29'40"	12.43'	6.23'
20	2.00'	161°00'39"	5.62'	11.96'

CURVE DATA TABLE				
Curve	Radius	Delta	Length	Tangent
1	500.00'	8°53'06"	77.54'	38.85'
2	500.00'	9°35'55"	83.76'	41.98'
3	75.00'	9°29'40"	12.43'	6.23'
4	2.00'	161°00'39"	5.62'	11.96'
5	75.00'	9°29'42"	12.43'	6.23'
6	35.00'	89°51'24"	54.89'	34.91'
7	35.00'	90°08'36"	55.07'	35.09'
8	75.00'	9°29'40"	12.43'	6.23'
9	2.00'	161°00'39"	5.62'	11.96'
10	75.00'	9°29'42"	12.43'	6.23'

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date
1			
2			
3			
4			

STAGE II
SUBMITTAL
PRELIMINARY-
NOT FOR
CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

Pima County Department of Transportation

HORIZONTAL ROADWAY CONTROL
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 312+00 TO STA. 330+00
PROJECT NO. 4RTLTM

Scale: Horiz. 1"= 40' / Vert. 1"= NA

Sheet HC07 of HC18

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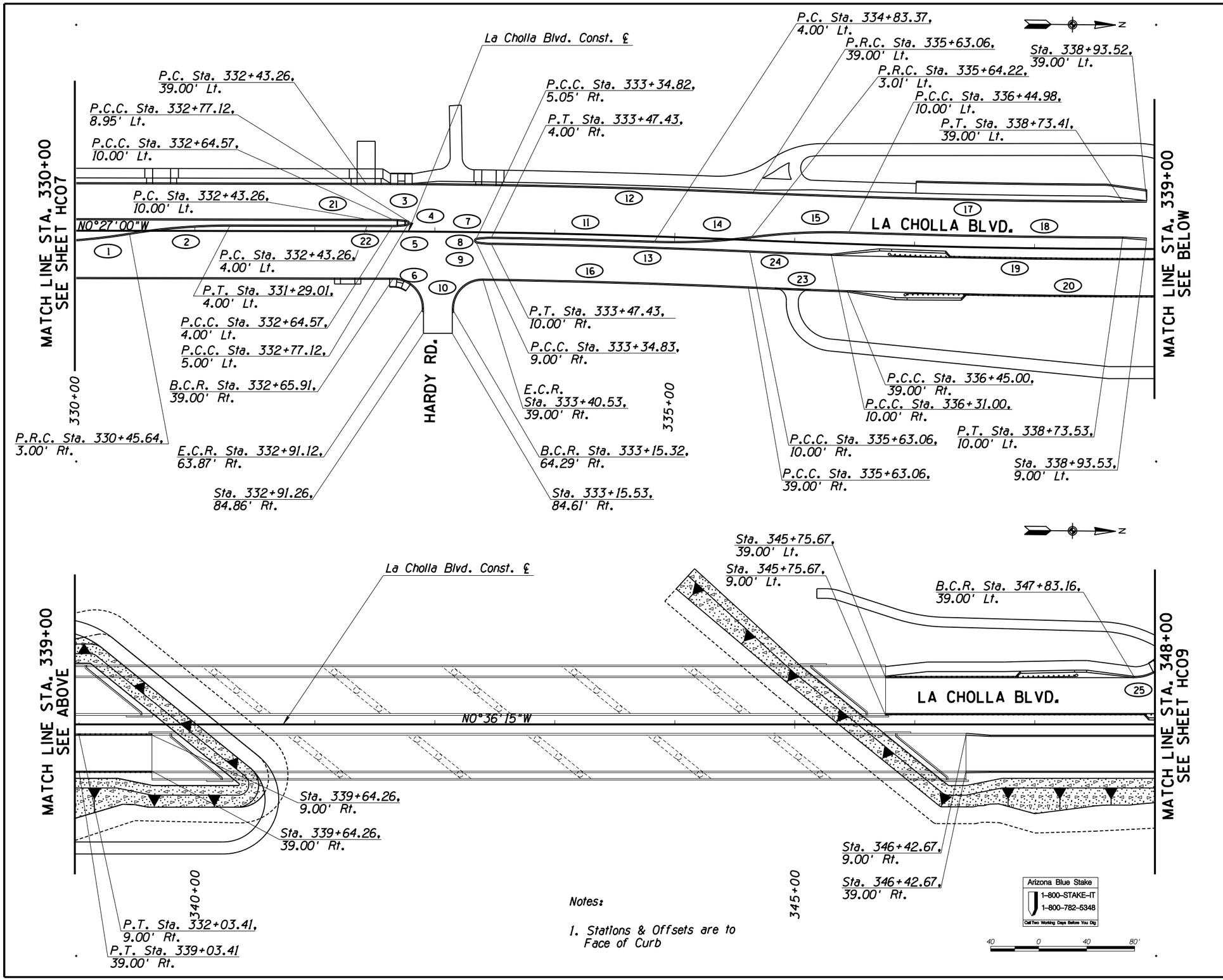

Notes:

1. Stations & Offsets are to Face of Curb

CURVE DATA TABLE				
Curve	Radius	Delta	Length	Tangent
1	500.00'	9°35'55"	83.76'	41.98'
2	500.00'	9°35'56"	83.77'	41.98'
3	75.00'	9°38'49"	12.63'	6.33'
4	2.00'	161°00'32"	5.62'	11.96'
5	75.00'	9°38'05"	12.61'	6.32'
6	25.00'	89°48'27"	39.19'	24.92'
7	75.00'	9°40'06"	12.66'	6.34'
8	2.00'	161°00'29"	5.62'	11.96'
9	75.00'	9°39'17"	12.64'	6.33'
10	25.00'	90°45'08"	39.60'	25.33'

CURVE DATA TABLE				
Curve	Radius	Delta	Length	Tangent
11	7635.44'	1°01'10"	135.87'	67.94'
12	7678.44'	2°23'55"	321.43'	160.74'
13	7629.44'	1°37'02"	215.36'	107.69'
14	500.00'	9°18'31"	81.23'	40.71'
15	500.00'	9°17'31"	81.09'	40.63'
16	7600.44'	1°45'10"	232.50'	116.26'
17	7600.44'	2°19'39"	308.76'	154.40'
18	7629.44'	1°42'51"	228.25'	114.13'
19	7648.44'	1°18'02"	173.62'	86.81'
20	7678.44'	1°11'44"	160.23'	80.12'

CURVE DATA TABLE				
Curve	Radius	Delta	Length	Tangent
21	7649.44'	0°09'35"	21.33'	10.67'
22	7643.44'	0°09'35"	21.32'	10.66'
23	7678.44'	0°36'52"	82.35'	41.18'
24	7649.44'	0°30'34"	68.02'	34.01'
25	35.00'	89°59'52"	54.98'	35.00'

No.	Revision Description	Engineer	Date

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

Priscilla S. Cornelio P.E., Director

STAGE II
SUBMITTAL
PRELIMINARY-
NOT FOR
CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

Pima County Department of Transportation

HORIZONTAL ROADWAY CONTROL
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 330+00 TO STA. 348+00
PROJECT NO. 4RTLTM

Scale Horiz. 1"= 40' Vert. 1"= NA | Sheet HC08 of HC18 | Page 48 of 130

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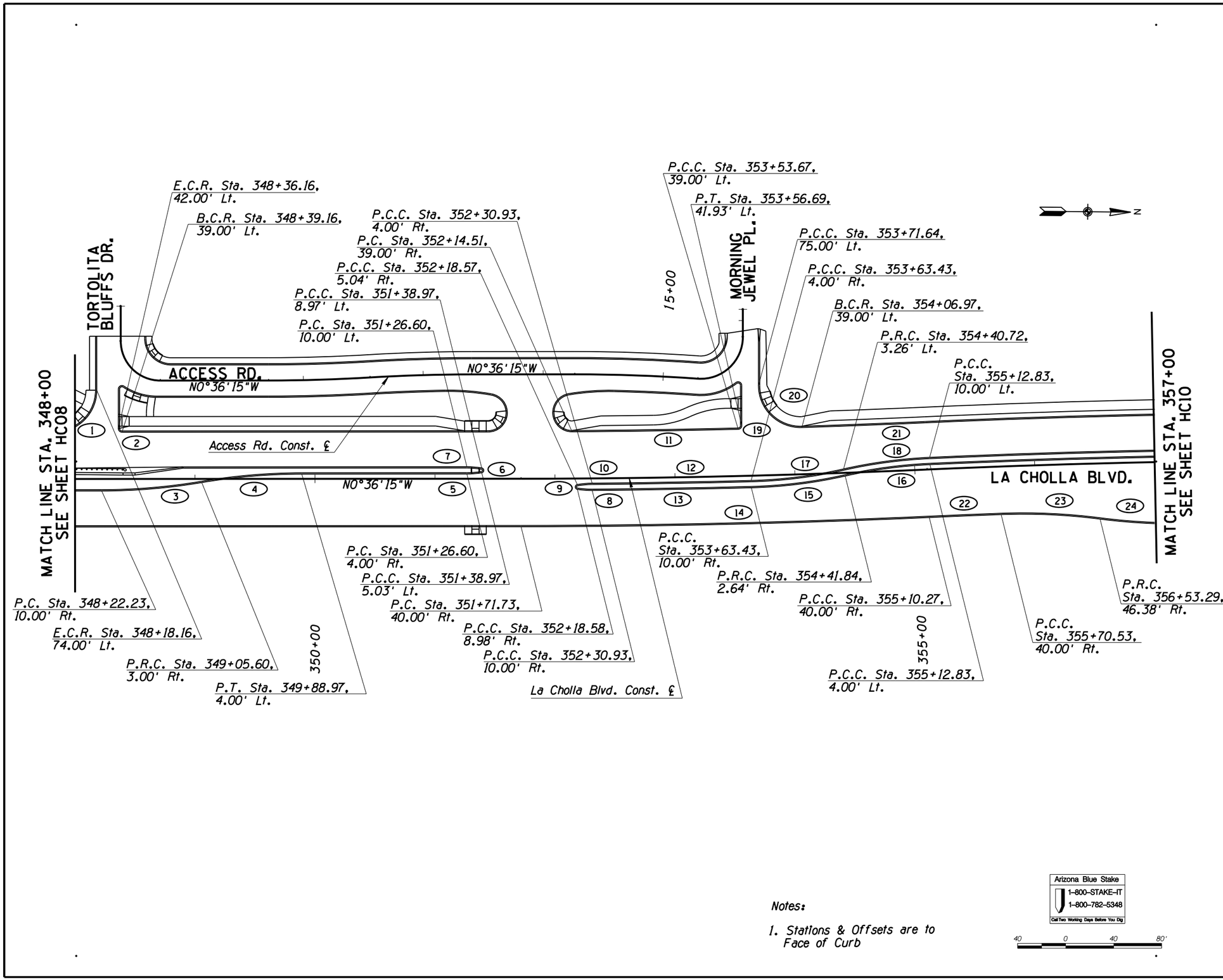

Notes:

1. Stations & Offsets are to Face of Curb

CURVE DATA TABLE				
Curve	Radius	Delta	Length	Tangent
1	35.00'	89°59'52"	54.98'	35.00'
2	3.00'	90°00'08"	4.71'	3.00'
3	500.00'	9°35'56"	83.77'	41.98'
4	500.00'	9°35'55"	83.76'	41.98'
5	75.00'	9°29'40"	12.43'	6.23'
6	2.00'	161°00'39"	5.62'	11.96'
7	75.00'	9°29'48"	12.43'	6.23'
8	75.00'	9°29'40"	12.43'	6.23'
9	2.00'	161°00'39"	5.62'	11.96'
10	75.00'	9°29'40"	12.43'	6.23'

CURVE DATA TABLE				
Curve	Radius	Delta	Length	Tangent
11	7600.44'	1°02'37"	138.45'	69.23'
12	7643.44'	0°59'37"	132.56'	66.28'
13	7649.44'	0°59'37"	132.67'	66.34'
14	7678.44'	2°32'21"	340.27'	170.16'
15	400.00'	11°18'29"	78.95'	39.60'
16	400.00'	10°13'34"	71.39'	35.79'
17	394.00'	11°18'29"	77.76'	39.01'
18	406.00'	10°13'34"	72.46'	36.33'
19	3.00'	88°38'01"	4.64'	2.93'
20	35.00'	91°45'58"	56.06'	36.10'

CURVE DATA TABLE				
Curve	Radius	Delta	Length	Tangent
21	7600.44'	0°46'29"	102.77'	51.39'
22	7600.44'	0°27'07"	59.96'	29.98'
23	500.00'	9°29'17"	82.80'	41.49'
24	500.00'	8°19'13"	72.61'	36.37'

Priscilla S. Cornelio P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

STAGE II SUBMITTAL

PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

Pima County Department of Transportation

HORIZONTAL ROADWAY CONTROL
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 348+00 TO STA. 357+00
PROJECT NO. 4RTLTM

Scale Horiz. 1"= 40' Vert. 1"= NA | Sheet HC09 of HC18 | Page 49 of 130

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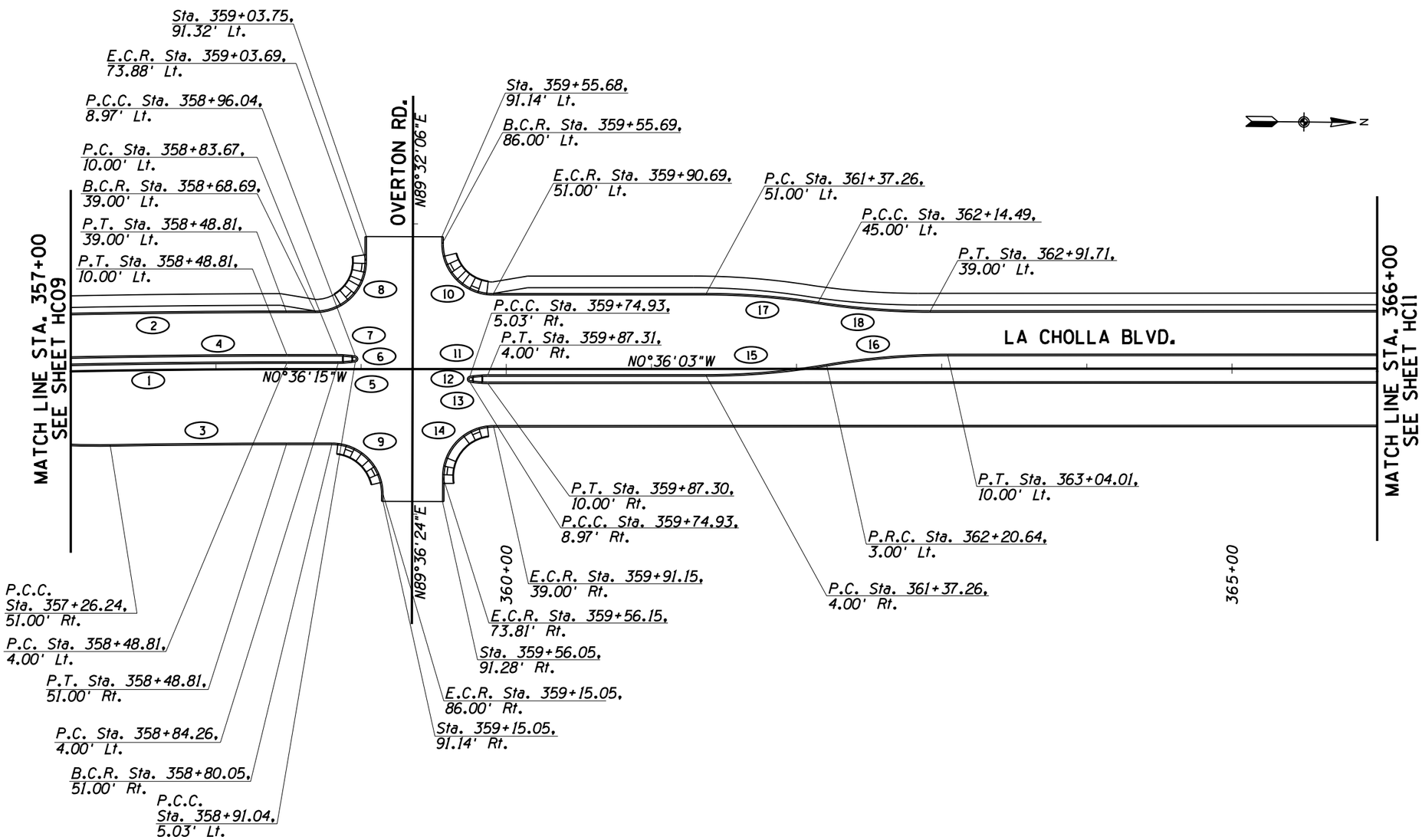

CURVE DATA TABLE				
Curve	Radius	Delta	Length	Tangent
1	7643.44'	2°31'12"	336.16'	168.11'
2	7678.44'	2°32'21"	340.27'	170.16'
3	7588.44'	0°55'10"	121.76'	60.88'
4	7649.44'	2°31'12"	336.42'	168.24'
5	75.00'	9°02'51"	11.84'	5.93'
6	2.00'	161°00'39"	5.62'	11.96'
7	75.00'	9°29'44"	12.43'	6.23'
8	35.00'	89°47'53"	54.85'	34.88'
9	35.00'	90°00'00"	54.98'	35.00'
10	35.00'	89°59'48"	54.98'	35.00'

CURVE DATA TABLE				
Curve	Radius	Delta	Length	Tangent
11	75.00'	9°30'04"	12.44'	6.23'
12	2.00'	161°00'39"	5.62'	11.96'
13	75.00'	9°29'40"	12.43'	6.23'
14	35.00'	89°41'04"	54.79'	34.81'
15	500.00'	9°35'56"	83.77'	41.98'
16	500.00'	9°35'55"	83.76'	41.98'
17	500.00'	8°53'05"	77.53'	38.85'
18	500.00'	11°27'33"	77.54'	38.85'

Notes:

1. Stations & Offsets are to Face of Curb

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' / Vert. 1"= NA	Sheet HC10 of HC18	Page 50 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

STAGE II SUBMITTAL

PRELIMINARY - NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-4800

HORIZONTAL ROADWAY CONTROL
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 357+00 TO STA. 366+00
PROJECT NO. 4RTLTM

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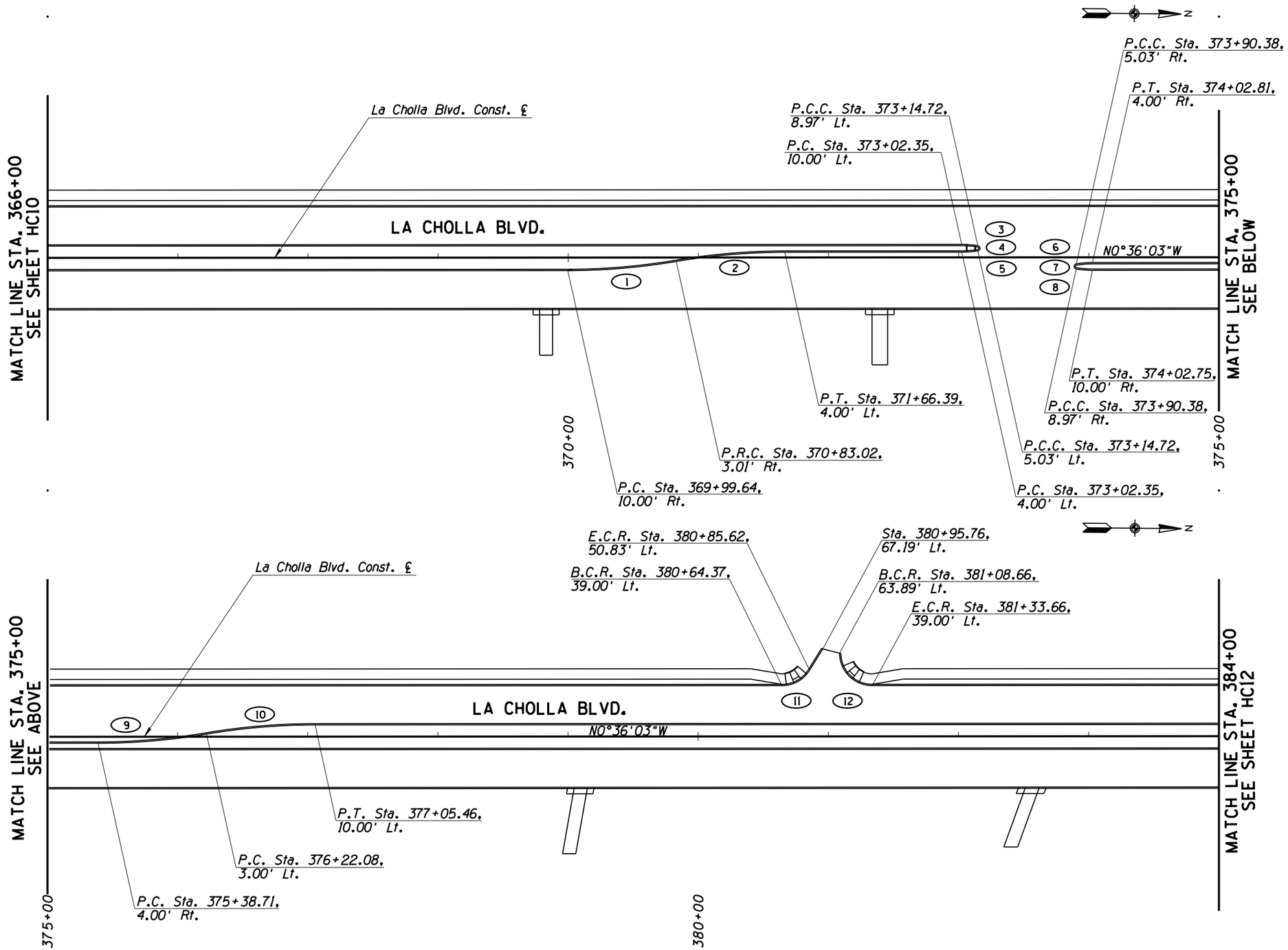

CURVE DATA TABLE				
Curve	Radius	Delta	Length	Tangent
11	25.00'	58°13'07"	25.40'	13.92'
12	25.00'	89°44'46"	39.16'	24.89'

CURVE DATA TABLE				
Curve	Radius	Delta	Length	Tangent
1	500.00'	9°35'56"	83.77'	41.98'
2	500.00'	9°35'55"	83.76'	41.98'
3	75.00'	9°29'40"	12.43'	6.23'
4	2.00'	161°00'39"	5.62'	11.96'
5	75.00'	9°29'48"	12.43'	6.23'
6	75.00'	9°32'13"	12.48'	6.26'
7	2.00'	161°00'39"	5.62'	11.96'
8	75.00'	9°29'37"	12.43'	6.23'
9	500.00'	9°35'55"	83.76'	41.98'
10	500.00'	9°35'56"	83.77'	41.98'

Notes:

1. Stations & Offsets are to Face of Curb

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' / Vert. 1"= NA	Sheet HC11 of HC18	Page 51 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

STAGE II
SUBMITTAL

PRELIMINARY-
NOT FOR
CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

HORIZONTAL ROADWAY CONTROL
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 366+00 TO STA. 384+00
PROJECT NO. 4RTLTM

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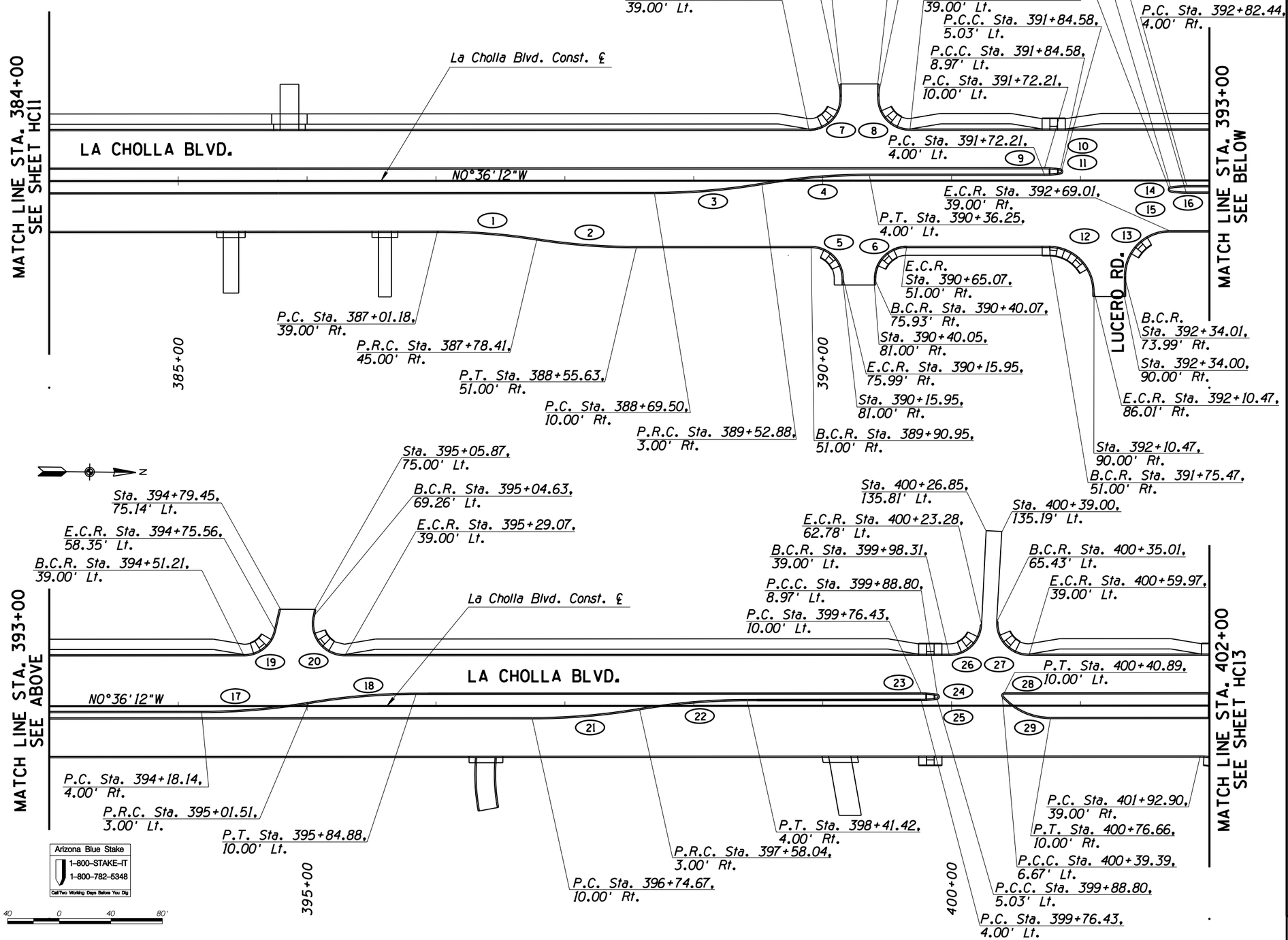
Notes:

1. Stations & Offsets are to Face of Curb



CURVE DATA TABLE			
Curve	Radius	Delta	Length	Tangent
21	500.00'	9°35'55"	83.76'	41.98'
22	500.00'	9°35'55"	83.76'	41.98'
23	75.00'	9°29'40"	12.43'	6.23'
24	2.00'	161°00'39"	5.62'	11.96'
25	75.00'	9°29'48"	12.43'	6.23'
26	25.00'	87°12'13"	38.05'	23.81'
27	25.00'	93°16'37"	40.70'	26.47'
28	2.00'	131°48'38"	4.60'	4.47'
29	50.00'	48°11'23"	42.05'	22.36'

CURVE DATA TABLE				
Curve	Radius	Delta	Length	Tangent
1	500.00'	8°53'07"	77.54'	38.85'
2	500.00'	8°53'06"	77.54'	38.85'
3	500.00'	9°35'57"	83.77'	41.98'
4	500.00'	9°35'55"	83.76'	41.98'
5	25.00'	89°58'21"	39.26'	24.99'
6	25.00'	89°49'51"	39.20'	24.93'
7	25.00'	89°59'25"	39.27'	25.00'
8	25.00'	90°00'35"	39.27'	25.00'
9	75.00'	9°29'44"	12.43'	6.23'
10	2.00'	161°00'39"	5.62'	11.96'

CURVE DATA TABLE				
Curve	Radius	Delta	Length	Tangent
11	75.00'	9°29'44"	12.43'	6.23'
12	35.00'	90°01'11"	54.99'	35.01'
13	35.00'	89°58'49"	54.97'	34.99'
14	75.00'	9°41'54"	12.70'	6.36'
15	2.00'	161°00'32"	5.62'	11.96'
16	75.00'	9°29'41"	12.43'	6.23'
17	500.00'	9°35'55"	83.76'	41.98'
18	500.00'	9°35'55"	83.76'	41.98'
19	25.00'	76°56'58"	33.58'	19.87'
20	25.00'	102°08'50"	44.57'	30.95'

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL
PRELIMINARY - NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

Pima County Department of Transportation

HORIZONTAL ROADWAY CONTROL
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 384+00 TO STA. 402+00
PROJECT NO. 4RTLTM

Scale: Horiz. 1"= 40' / Vert. 1"= NA

Sheet HC12 of HC18

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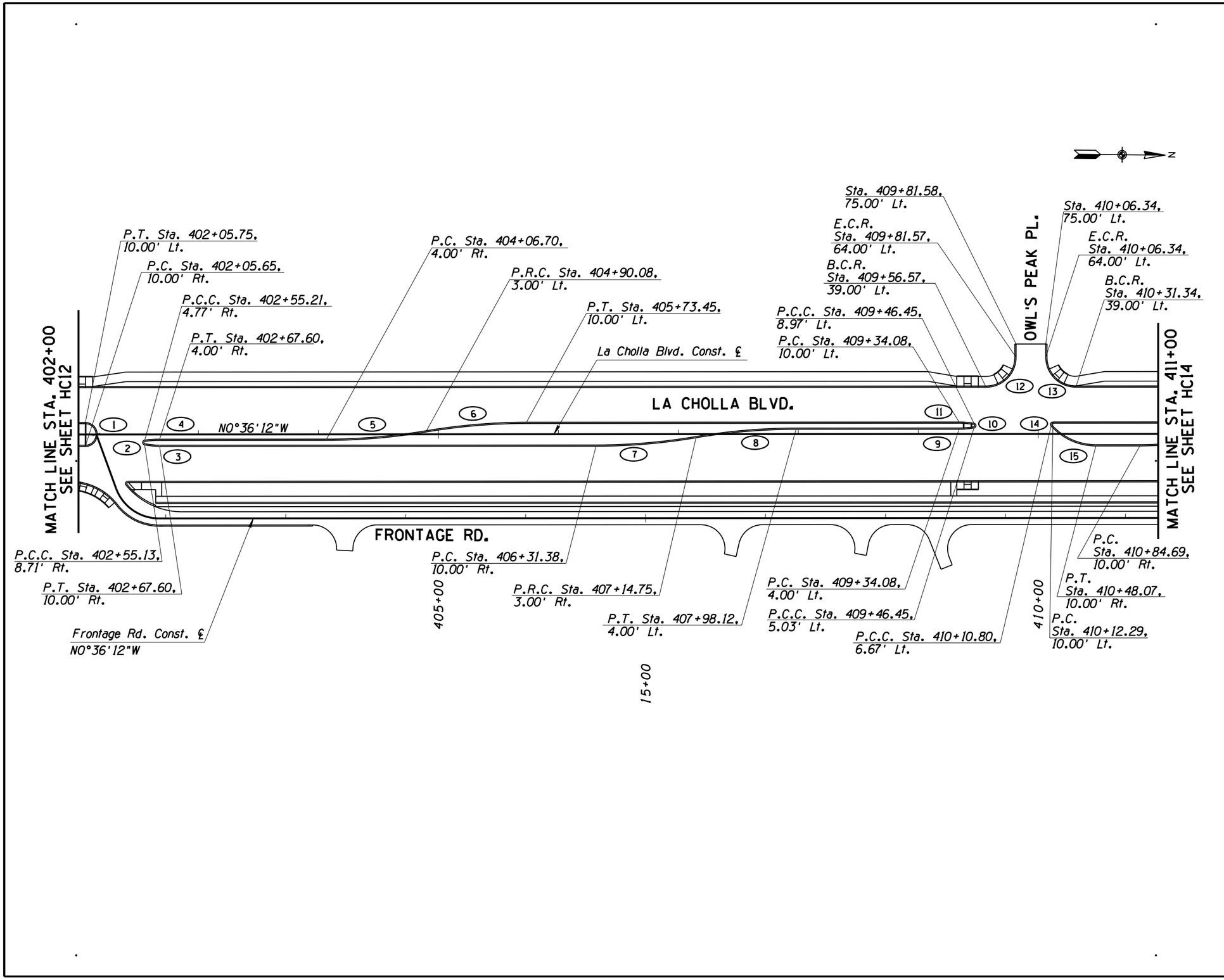

CURVE DATA TABLE

Curve	Radius	Delta	Length	Tangent
11	75.00'	9°29'40"	12.43'	6.23'
12	25.00'	89°59'25"	39.27'	25.00'
13	25.00'	90°00'35"	39.27'	25.00'
14	2.00'	131°48'37"	4.60'	4.47'
15	50.00'	48°11'23"	42.05'	22.36'

CURVE DATA TABLE

Curve	Radius	Delta	Length	Tangent
1	10.00'	179°23'48"	31.31'	1899.60'
2	2.00'	161°00'39"	5.62'	11.96'
3	75.00'	9°29'48"	12.43'	6.23'
4	75.00'	9°29'40"	12.43'	6.23'
5	500.00'	9°35'55"	83.76'	41.98'
6	500.00'	9°35'55"	83.76'	41.98'
7	500.00'	9°35'55"	83.76'	41.98'
8	500.00'	9°35'55"	83.76'	41.98'
9	75.00'	9°29'48"	12.43'	6.23'
10	2.00'	161°00'39"	5.62'	11.96'

Notes:

1. Stations & Offsets are to Face of Curb

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40' Vert. 1"= NA

Sheet HC13 of HC18

Page 53 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

STAGE II
SUBMITTAL
PRELIMINARY-
NOT FOR
CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

HORIZONTAL ROADWAY CONTROL
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 402+00 TO STA. 411+00
PROJECT NO. 4RTLTM

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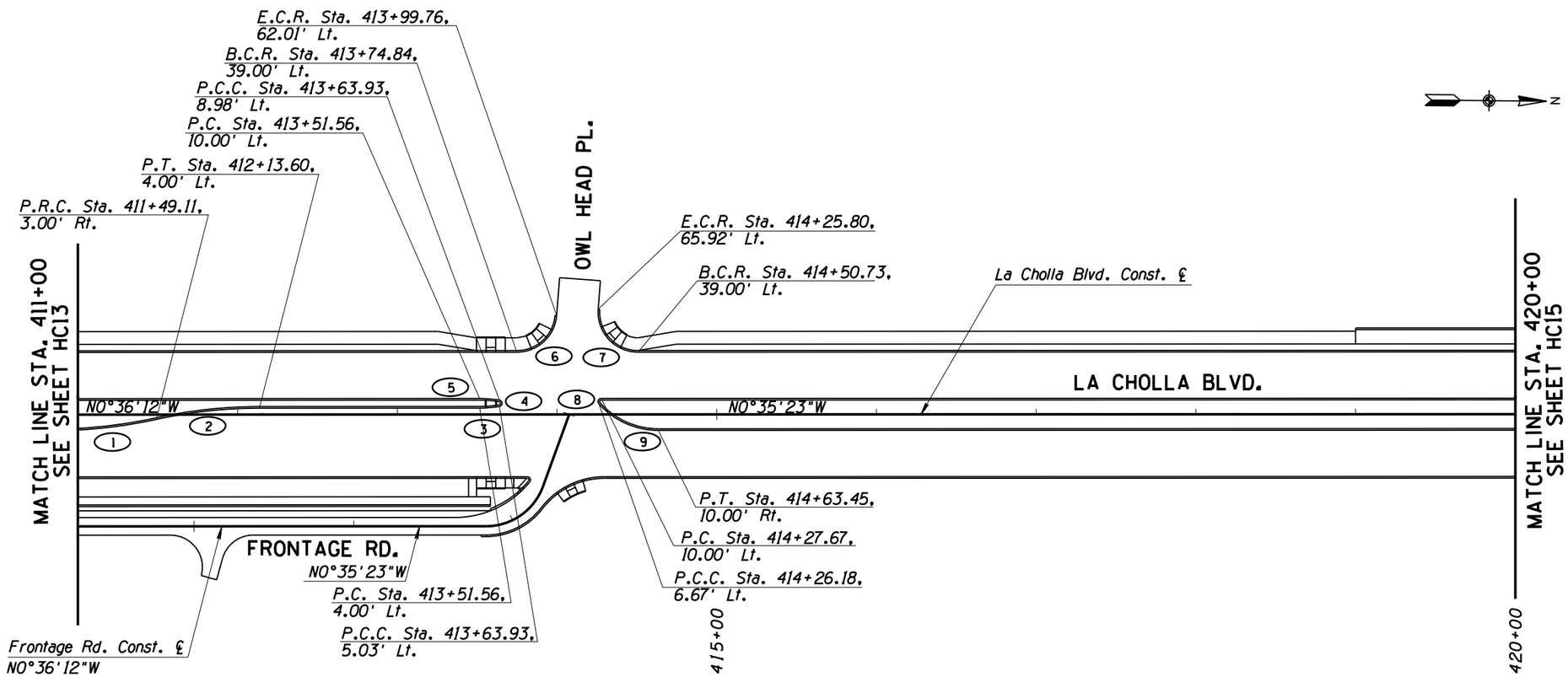

CURVE DATA TABLE			
Curve	Radius	Delta	Length	Tangent
1	300.00'	12°24'02"	64.93'	32.59'
2	300.00'	12°24'49"	65.00'	32.63'
3	75.00'	9°29'48"	12.43'	6.23'
4	2.00'	161°00'39"	5.62'	11.96'
5	75.00'	9°29'40"	12.43'	6.23'
6	25.00'	85°26'13"	37.28'	23.08'
7	25.00'	94°23'51"	41.19'	27.00'
8	2.00'	131°48'37"	4.60'	4.47'
9	50.00'	48°11'23"	42.05'	22.36'

Notes:

1. Stations & Offsets are to Face of Curb

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40' Vert. 1"= NA | Sheet HC14 of HC18 | Page 54 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

No.	Revision Description	Engineer	Date
1			
2			
3			
4			

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

STAGE II
SUBMITTAL
PRELIMINARY-
NOT FOR
CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

HORIZONTAL ROADWAY CONTROL
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 411+00 TO STA. 420+00
PROJECT NO. 4RTLTM

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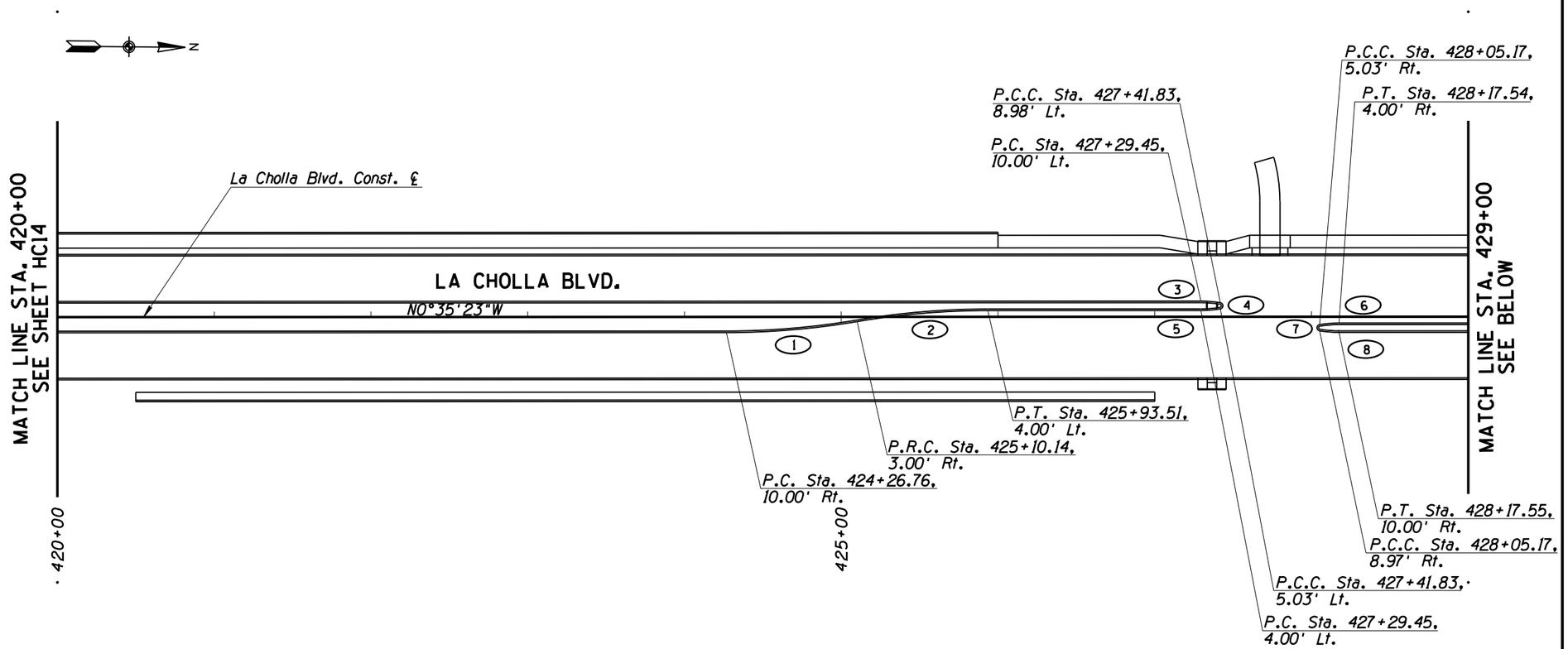

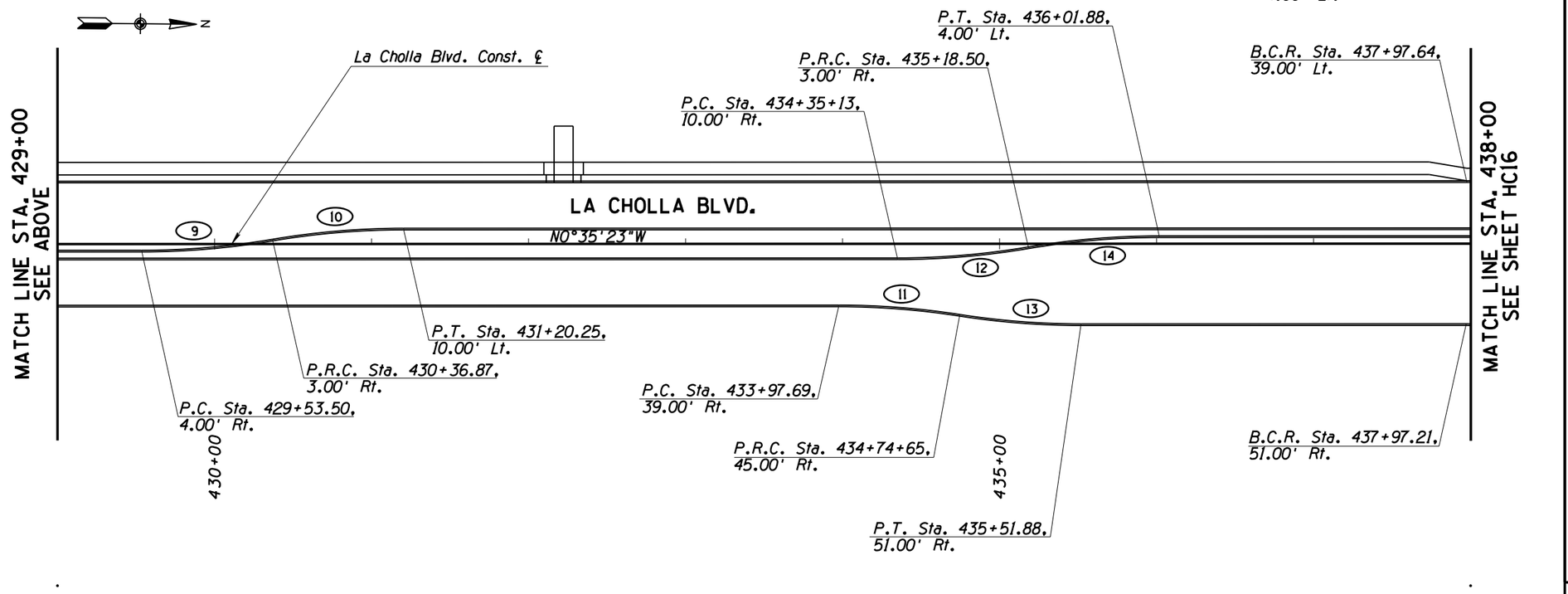

CURVE DATA TABLE

Curve	Radius	Delta	Length	Tangent
11	500.00'	8°51'18"	77.27'	38.71'
12	500.00'	9°35'57"	83.77'	41.98'
13	500.00'	8°53'06"	77.54'	38.85'
14	500.00'	9°35'55"	83.76'	41.98'

CURVE DATA TABLE

Curve	Radius	Delta	Length	Tangent
1	500.00'	9°35'57"	83.77'	41.98'
2	500.00'	9°35'55"	83.76'	41.98'
3	75.00'	9°29'40"	12.43'	6.23'
4	2.00'	161°00'39"	5.62'	11.96'
5	75.00'	9°29'48"	12.43'	6.23'
6	75.00'	9°29'40"	12.43'	6.23'
7	2.00'	161°00'39"	5.62'	11.96'
8	75.00'	9°29'48"	12.43'	6.23'
9	500.00'	9°35'55"	83.76'	41.98'
10	500.00'	9°35'55"	83.76'	41.98'

Notes:

1. Stations & Offsets are to Face of Curb

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40' Vert. 1"= NA | Sheet HC15 of HC18 | Page 55 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

HORIZONTAL ROADWAY CONTROL
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 420+00 TO STA. 438+00
PROJECT NO. 4RTLTM

STAGE II
SUBMITTAL
PRELIMINARY - NOT FOR CONSTRUCTION

No.	Revision Description	Engineer	Date
1			
2			
3			
4			
5			

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

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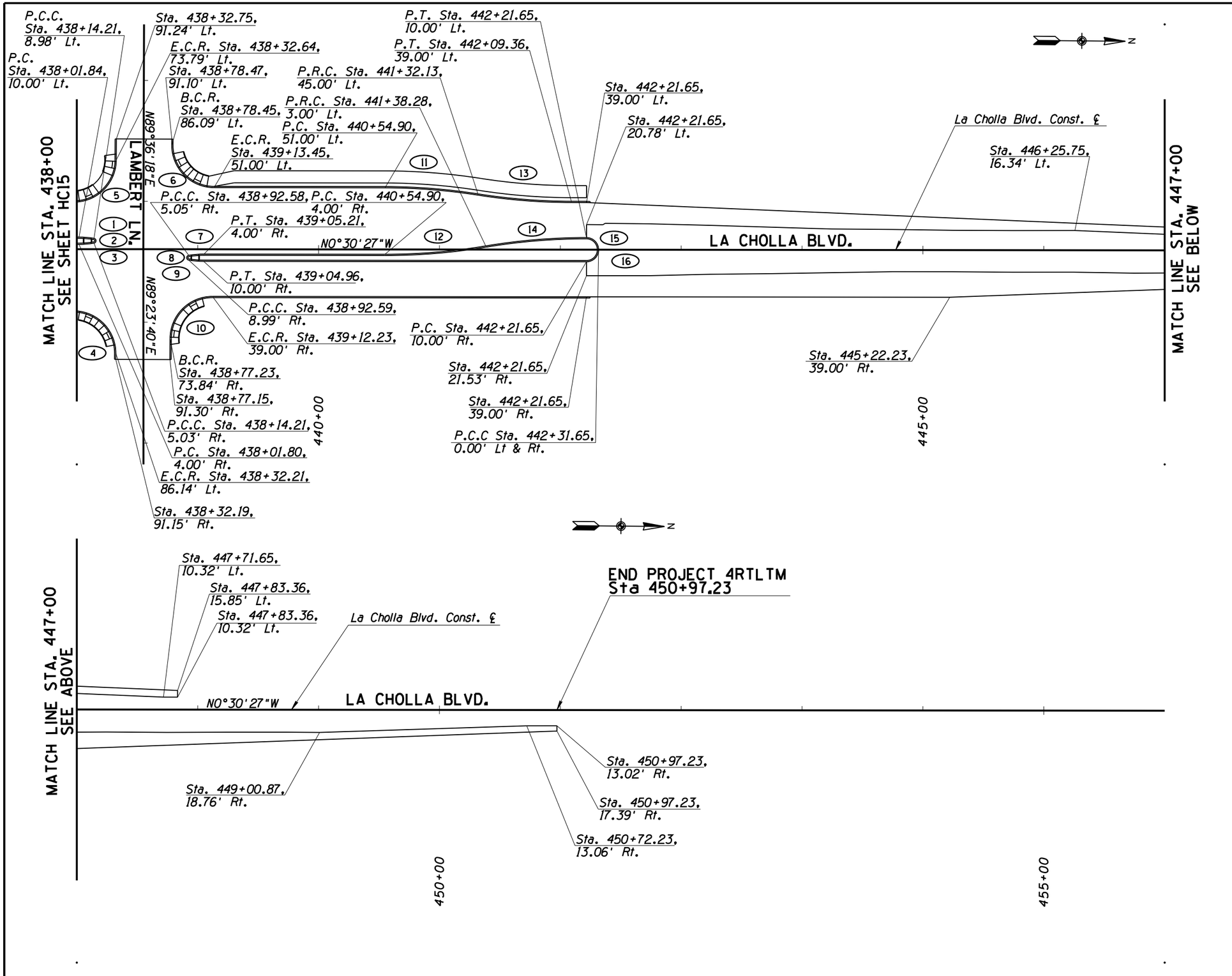

CURVE DATA TABLE

Curve	Radius	Delta	Length	Tangent
11	500.00'	8°53'08"	77.54'	38.85'
12	500.00'	9°35'55"	83.76'	41.98'
13	500.00'	8°53'06"	77.54'	38.85'
14	500.00'	9°35'56"	83.77'	41.98'
15	10.00'	90°00'00"	15.71'	10.00'
16	10.00'	90°00'00"	15.71'	10.00'

CURVE DATA TABLE

Curve	Radius	Delta	Length	Tangent
1	75.00'	9°29'38"	12.43'	6.23'
2	2.00'	161°00'39"	5.62'	11.96'
3	75.00'	9°31'26"	12.47'	6.25'
4	35.00'	90°13'32"	55.12'	35.14'
5	35.00'	89°39'24"	54.77'	34.79'
6	35.00'	90°08'36"	55.07'	35.09'
7	75.00'	9°41'32"	12.69'	6.36'
8	2.00'	161°00'40"	5.62'	11.96'
9	75.00'	9°29'26"	12.42'	6.23'
10	35.00'	89°44'20"	54.82'	34.84'

Notes:

1. Stations & Offsets are to Face of Curb

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40' Vert. 1"= NA

Sheet HC16 of HC18

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

STAGE II SUBMITTAL

PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

HORIZONTAL ROADWAY CONTROL
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 438+10 STA. 450+97.23
PROJECT NO. 4RTLTM

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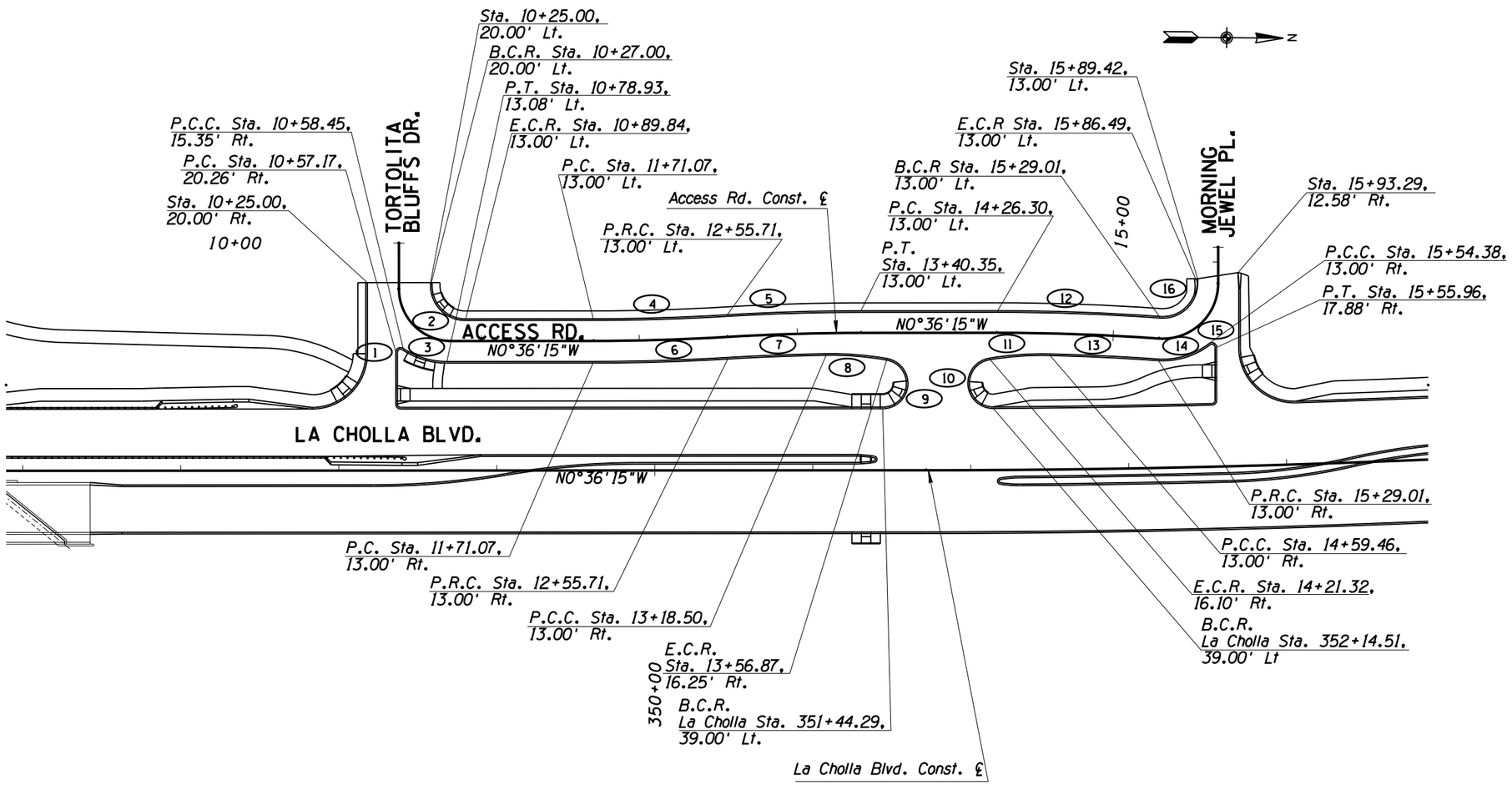

CURVE DATA TABLE				
Curve	Radius	Delta	Length	Tangent
1	3.00'	123°36'13"	6.47'	5.60'
2	22.00'	90°00'08"	34.56'	22.00'
3	50.00'	33°36'21"	29.33'	15.10'
4	1419.39'	3°23'08"	83.87'	41.95'
5	1445.39'	3°23'08"	85.41'	42.72'
6	1445.39'	3°23'08"	85.41'	42.72'
7	1419.39'	2°30'42"	62.22'	31.12'
8	200.00'	10°59'09"	38.35'	19.23'
9	16.00'	169°53'17"	47.44'	180.85'
10	16.00'	170°45'46"	47.69'	198.05'

CURVE DATA TABLE				
Curve	Radius	Delta	Length	Tangent
11	200.00'	10°53'04"	37.99'	19.05'
12	1445.39'	4°06'30"	103.64'	51.84'
13	1419.39'	2°46'55"	68.92'	34.47'
14	48.00'	41°32'24"	34.80'	18.20'
15	3.00'	127°26'01"	6.67'	6.07'
16	22.00'	94°06'23"	36.13'	23.64'

Notes:

1. Stations & Offsets are to Face of Curb

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' / Vert. 1"= NA	Sheet HC17 of HC18	Page 57 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

No.	Revision Description	Engineer	Date
△			
△			
△			
△			

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

STAGE II
SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

HORIZONTAL ROADWAY CONTROL
ACCESS RD. STA. 16+09
STA. 10+00 TO STA. 16+09
PROJECT NO. 4RTLTM

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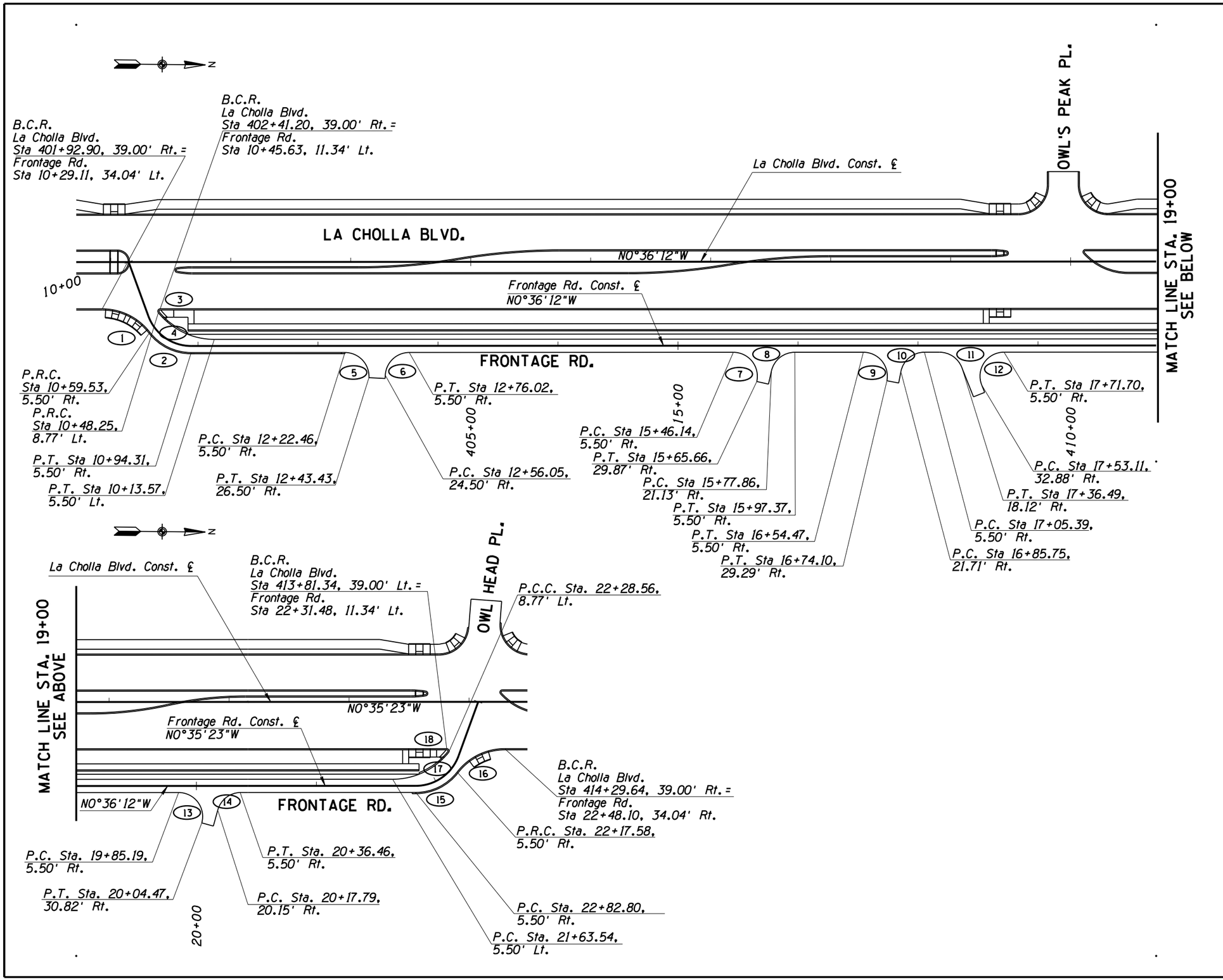

CURVE DATA TABLE				
Curve	Radius	Delta	Length	Tangent
1	50.00'	52°26'15"	45.76'	24.62'
2	43.50'	52°26'15"	39.81'	21.42'
3	2.00'	128°59'57"	4.50'	4.19'
4	60.00'	51°00'03"	53.41'	28.62'
5	20.00'	92°52'12"	32.42'	21.03'
6	20.00'	87°07'48"	30.41'	19.02'
7	20.00'	102°36'31"	35.82'	24.97'
8	20.00'	77°23'29"	27.01'	16.02'
9	20.00'	100°55'02"	35.23'	24.23'
10	20.00'	79°04'58"	27.61'	16.51'

CURVE DATA TABLE				
Curve	Radius	Delta	Length	Tangent
11	20.00'	68°20'27"	23.86'	13.58'
12	20.00'	111°39'33"	38.98'	29.46'
13	20.00'	105°25'44"	36.80'	26.27'
14	20.00'	72°49'21"	25.42'	14.75'
15	43.50'	52°26'15"	39.81'	21.42'
16	50.00'	52°26'15"	45.76'	24.62'
17	60.00'	51°00'03"	53.41'	28.62'
18	2.00'	128°59'57"	4.50'	4.19'

Notes:

1. Stations & Offsets are to Face of Curb

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' / Vert. 1"= NA	Sheet HC18 of HC18	Page 58 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

No.	Revision Description	Engineer	Date
△			
△			
△			
△			

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

STAGE II
SUBMITTAL
PRELIMINARY-
NOT FOR
CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

HORIZONTAL ROADWAY CONTROL
FRONTAGE RD.
STA. 10+00 TO STA. 22+77
PROJECT NO. 4RTLTM

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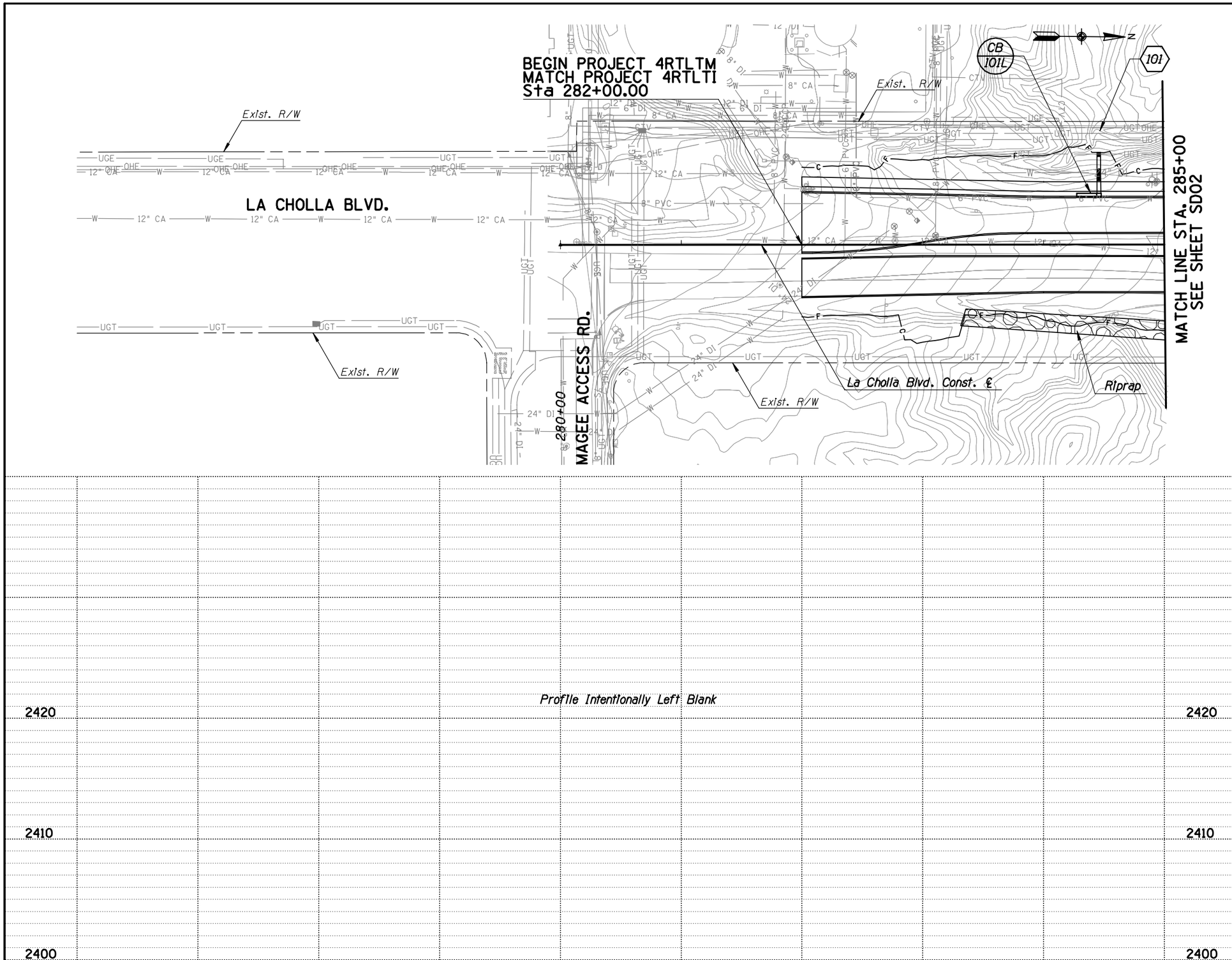

101 SEE SHEET SD20

CB 101L SEE SHEET SD20

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40 Vert. 1"= 4

Sheet SD01 of SD26

Page 59 of 130

Priscilla S. Cornello P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	DLL	05 /10
Drawn	DLL	05 /10
Checked	JCB	05 /10
Proj. Mgr.	EGM	05 /10

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

STORM DRAIN PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 280+00 TO STA. 285+00
PROJECT NO. 4RTLTM

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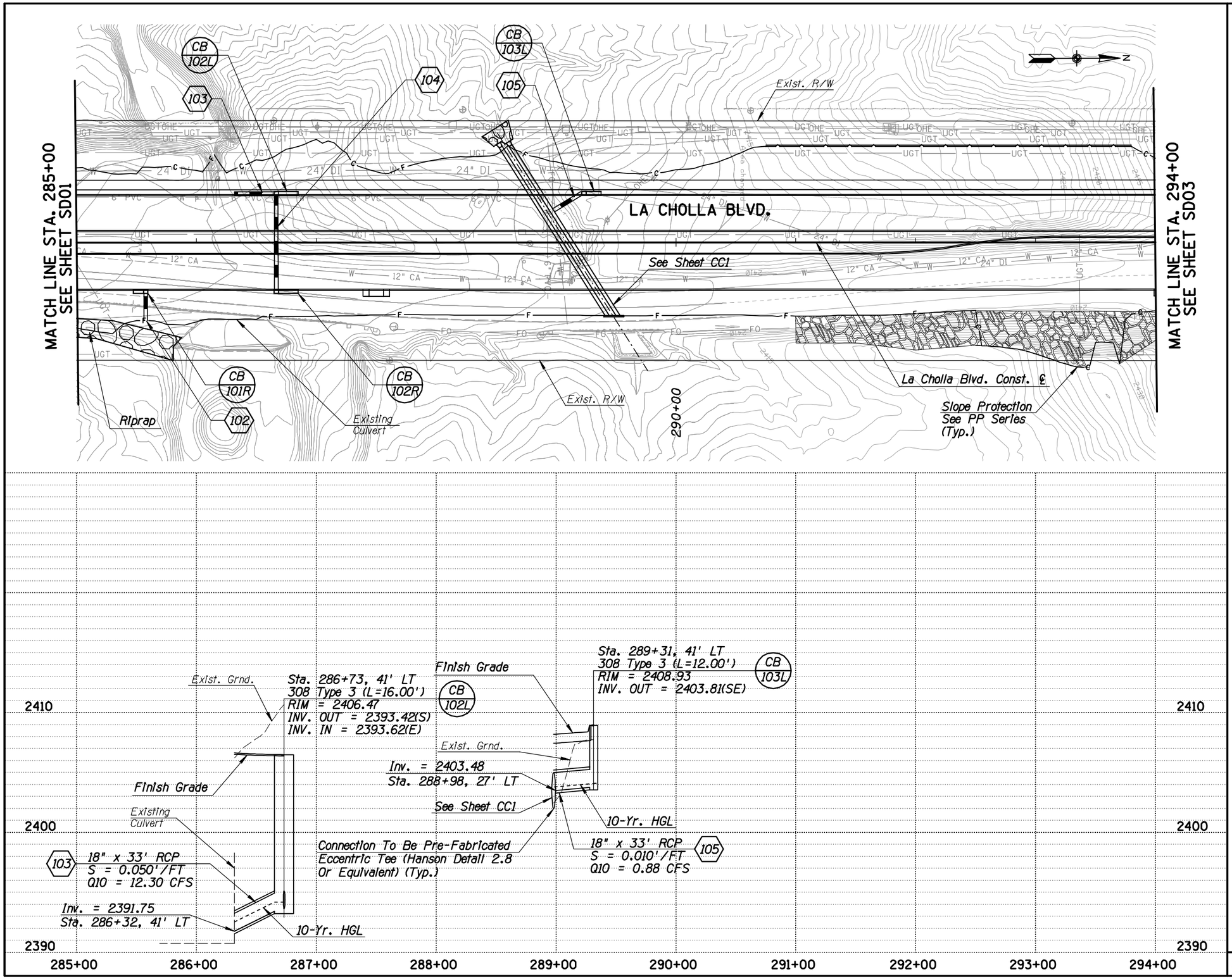

102 SEE SHEET SD20

104 SEE SHEET SD20

CB 101R SEE SHEET SD20

CB 102R SEE SHEET SD20

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Priscilla S. Cornello P.E., Director

Designed	DLL	05 /10
Drawn	DLL	05 /10
Checked	JCB	05 /10
Proj. Mgr.	EGM	05 /10

No.	Revision Description	Engineer	Date

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

STORM DRAIN PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 285+00 TO STA. 294+00
PROJECT NO. 4RTLTM

Scale Horiz. 1"= 40 Vert. 1"= 4 | Sheet SD02 of SD26 | Page 60 of 130

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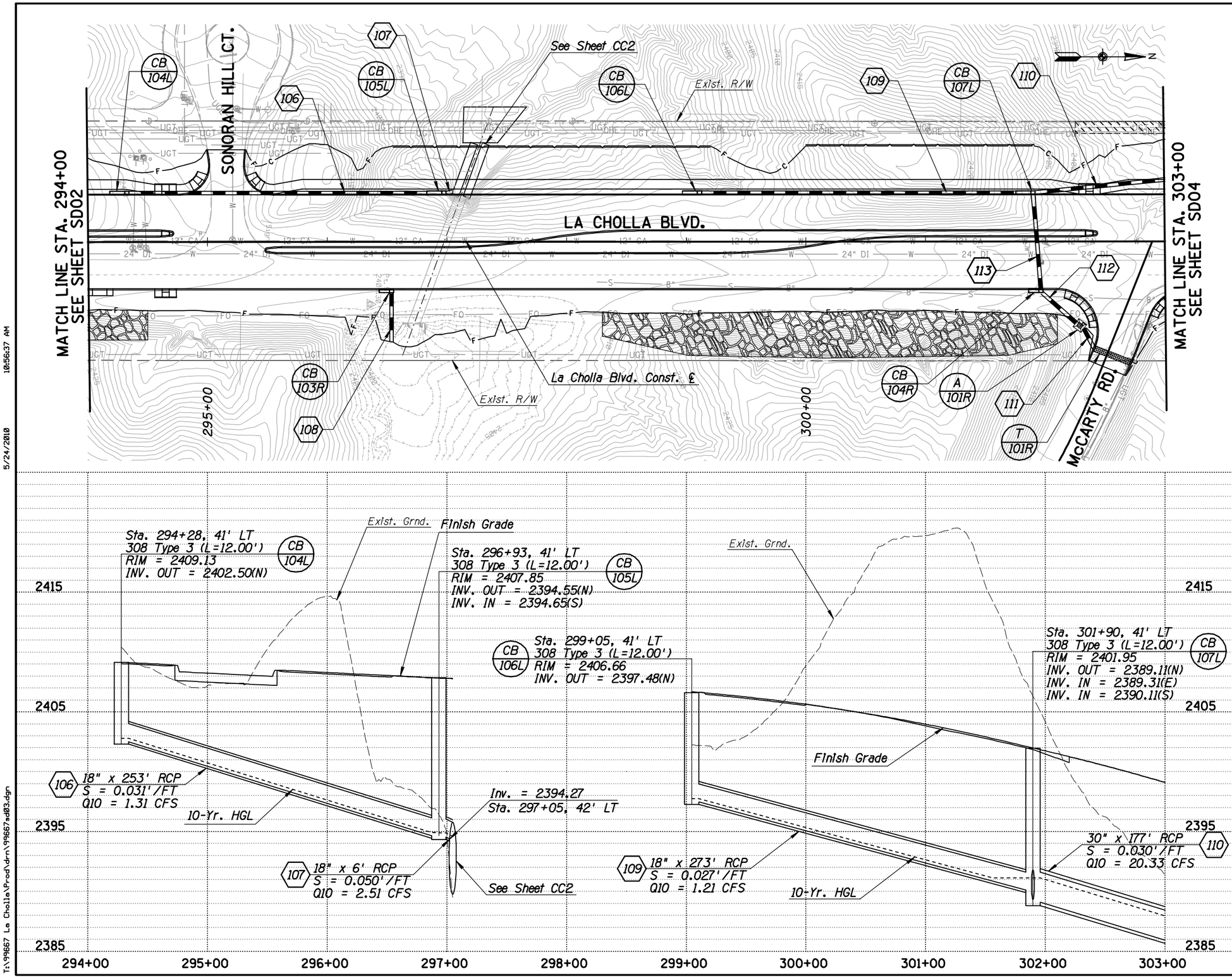

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111	SEE SHEET SD20
112	SEE SHEET SD20
113	SEE SHEET SD20
CB 103R	SEE SHEET SD20
T 101R	SEE SHEET SD20
A 101R	SEE SHEET SD20
CB 104R	SEE SHEET SD20

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Priscilla S. Cornello P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	DLL	05 /10
Drawn	DLL	05 /10
Checked	JCB	05 /10
Proj. Mgr.	EGM	05 /10

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

STORM DRAIN PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 294+00 TO STA. 303+00
PROJECT NO. 4RTLTM

Scale	Horiz. 1"= 40	Sheet SD03 of SD26	Page 61 of 130
	Vert. 1"= 4		

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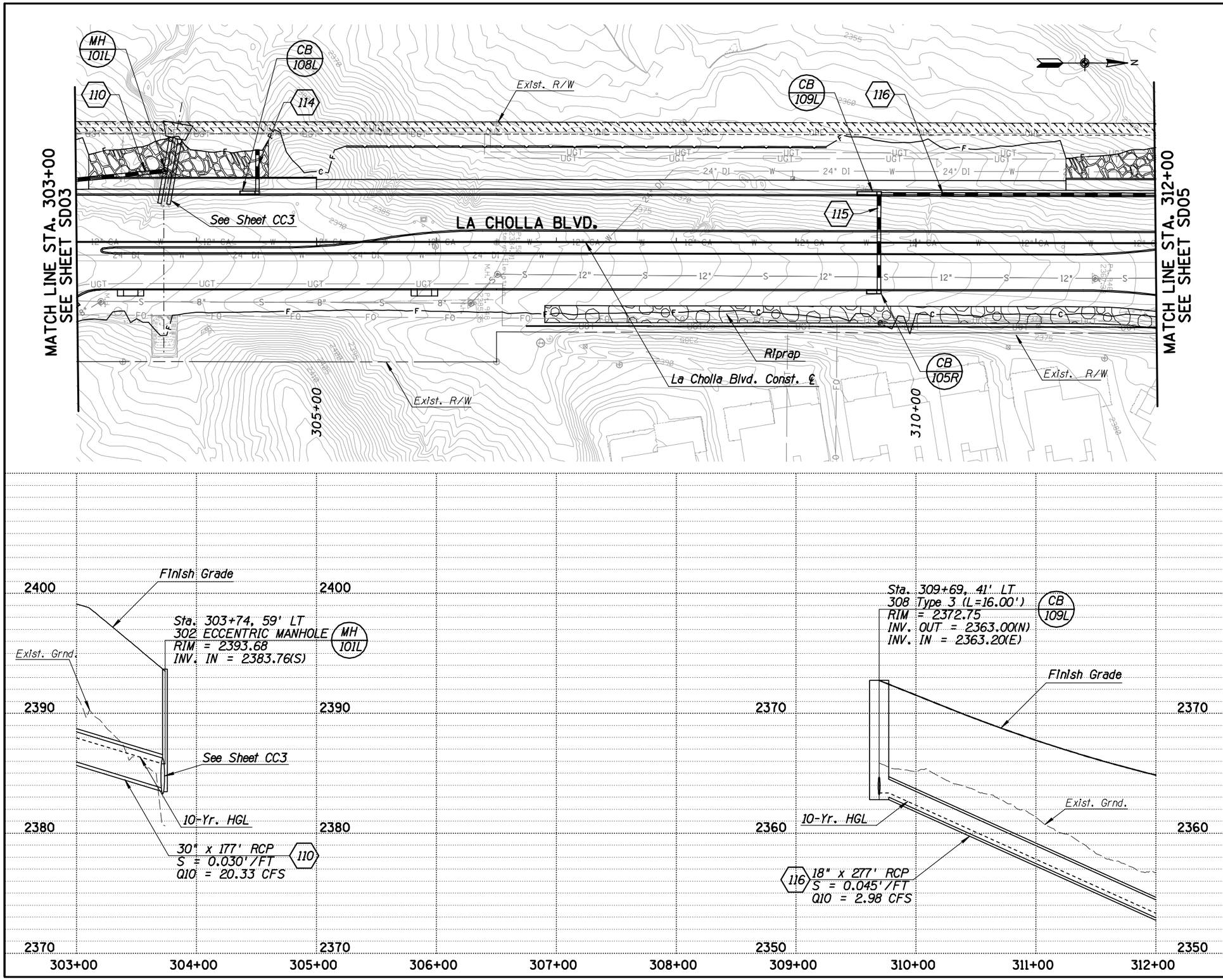

114 SEE SHEET SD20

115 SEE SHEET SD20

CB 108L SEE SHEET SD20

CB 105R SEE SHEET SD20

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Priscilla S. Cornello P.E., Director

Designed	DLL	05 /10
Drawn	DLL	05 /10
Checked	JCB	05 /10
Proj. Mgr.	EGM	05 /10

No.	Revision Description	Engineer	Date

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

STORM DRAIN PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 303+00 TO STA. 312+00
PROJECT NO. 4RTLTM

Scale Horiz. 1"= 40 Vert. 1"= 4 | Sheet SD04 of SD26 | Page 62 of 130

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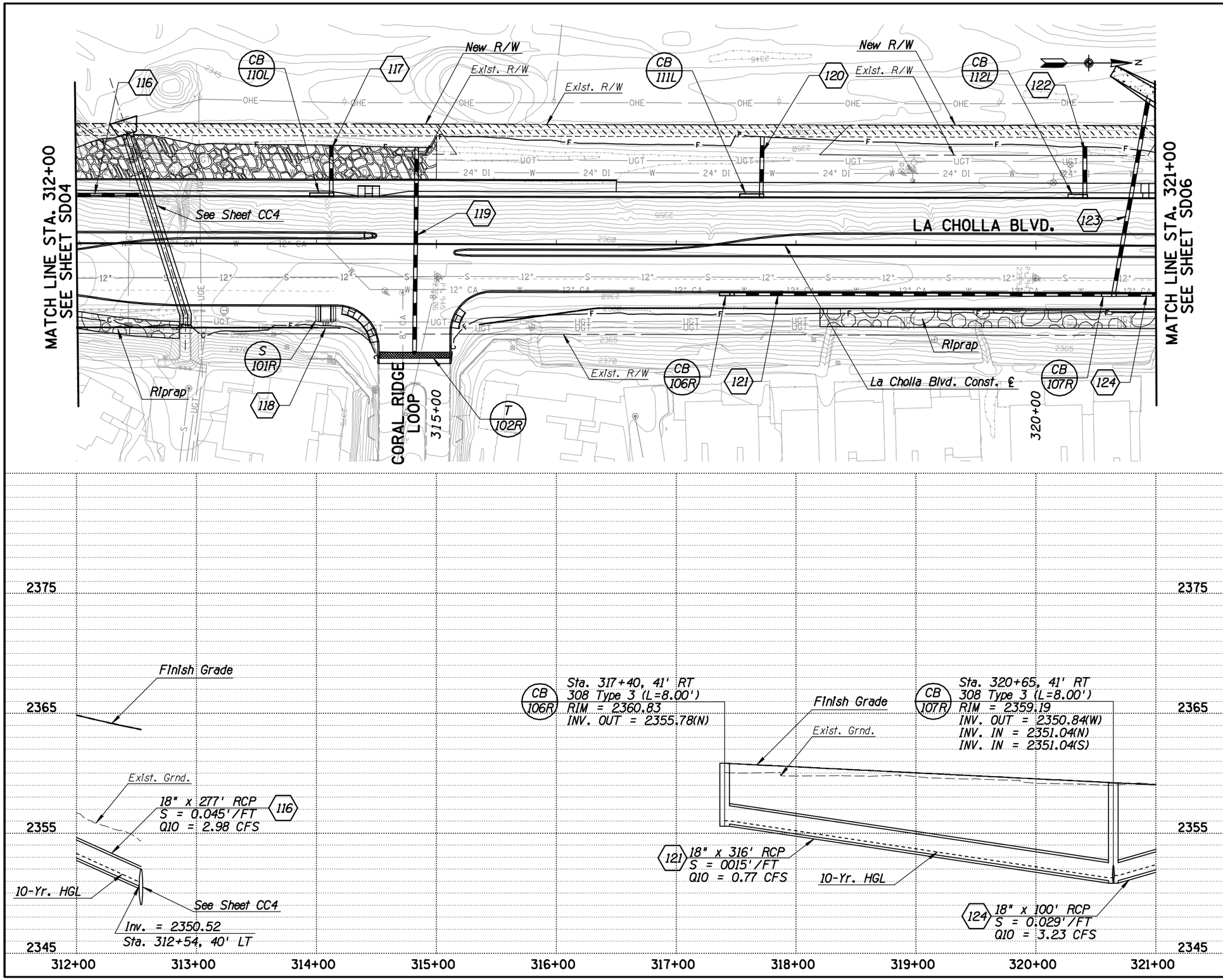

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118	SEE SHEET SD20
119	SEE SHEET SD21
120	SEE SHEET SD21
122	SEE SHEET SD21
123	SEE SHEET SD21
CB 110L	SEE SHEET SD20
S 101R	SEE SHEET SD20
T 102R	SEE SHEET SD21
CB 111L	SEE SHEET SD21
CB 112L	SEE SHEET SD21

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Priscilla S. Cornello P.E., Director

Designed	DLL	05 /10
Drawn	DLL	05 /10
Checked	JCB	05 /10
Proj. Mgr.	EGM	05 /10

No.	Revision Description	Engineer	Date

STAGE II
PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

STORM DRAIN PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 312+00 TO STA. 321+00
PROJECT NO. 4RTLTM

Scale Horiz. 1"= 40 Vert. 1"= 4 | Sheet SD05 of SD26 | Page 63 of 130

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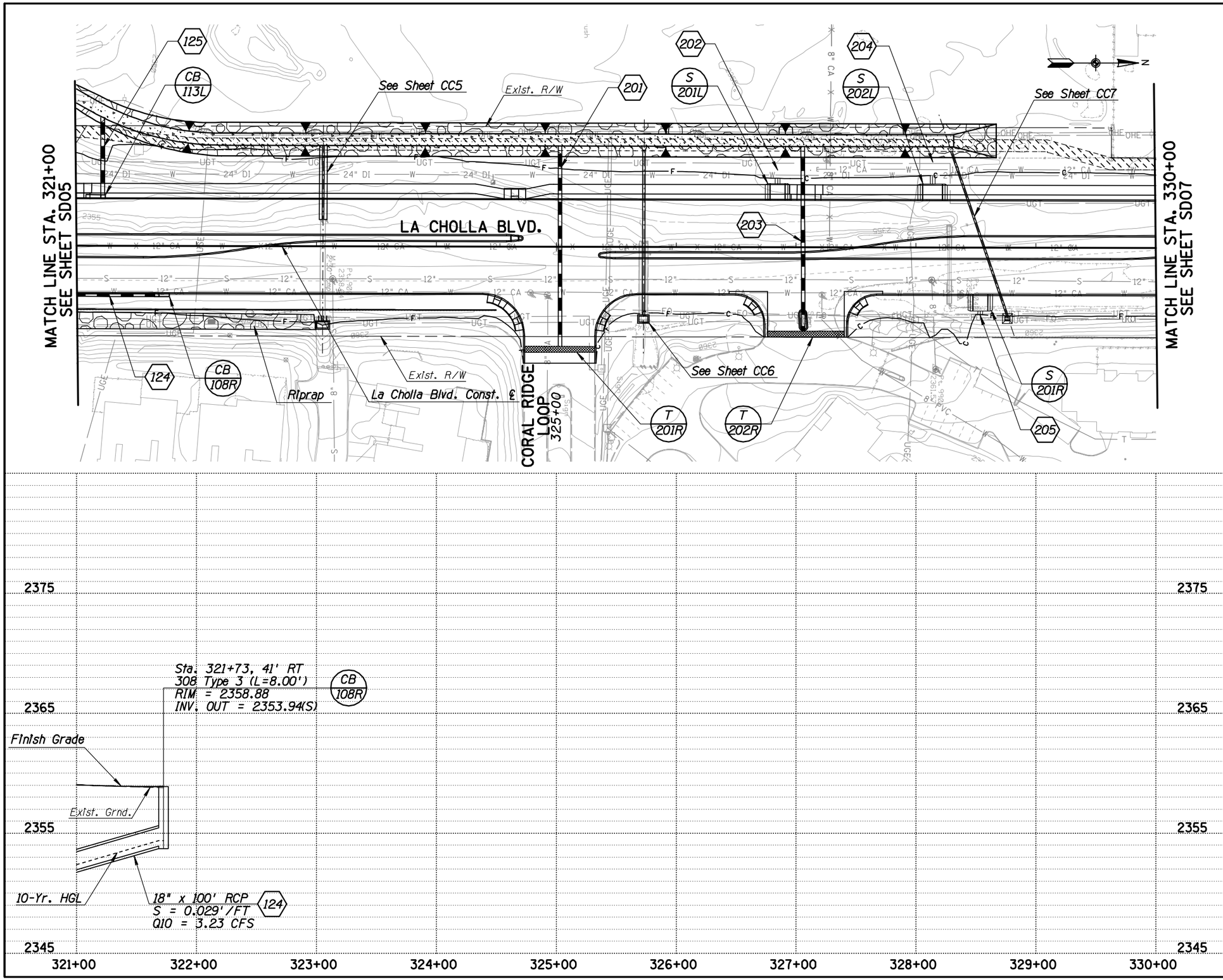

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201	SEE SHEET SD21
202	SEE SHEET SD21
203	SEE SHEET SD21
204	SEE SHEET SD21
205	SEE SHEET SD22
CB 113L	SEE SHEET SD21
T 201R	SEE SHEET SD21
S 201L	SEE SHEET SD21
T 202R	SEE SHEET SD21
S 202L	SEE SHEET SD21
S 201R	SEE SHEET SD22

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40 Vert. 1"= 4

Sheet SD06 of SD26

Priscilla S. Cornello P.E., Director

Designed	DLL	05 /10
Drawn	DLL	05 /10
Checked	JCB	05 /10
Proj. Mgr.	EGM	05 /10

No.	Revision Description	Engineer	Date

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

STORM DRAIN PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 321+00 TO STA. 330+00
PROJECT NO. 4RTLTM

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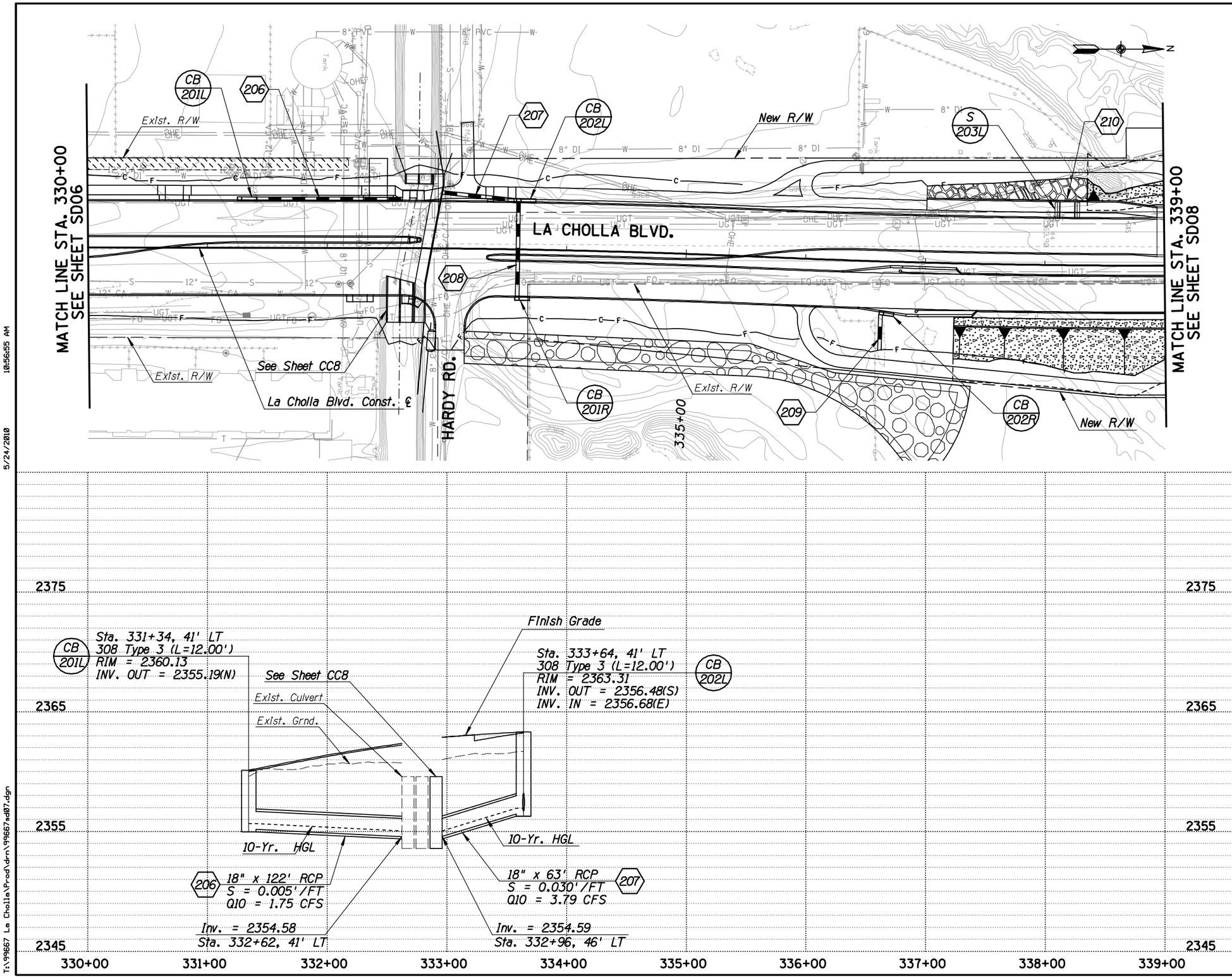

208 SEE SHEET SD22

209 SEE SHEET SD22

210 SEE SHEET SD22

CB 201R SEE SHEET SD22

CB 202R SEE SHEET SD22

S 203L SEE SHEET SD22

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Priscilla S. Cornello P.E., Director

	Date
Designed	05 /10
Drawn	05 /10
Checked	05 /10
Proj. Mgr.	05 /10

No.	Revision Description	Engineer	Date

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

STORM DRAIN PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 330+00 TO STA. 339+00
PROJECT NO. 4RTL TM

Scale	Horiz. 1"= 40	Sheet SD07 of SD26	Page 65 of 130
	Vert. 1"= 4		

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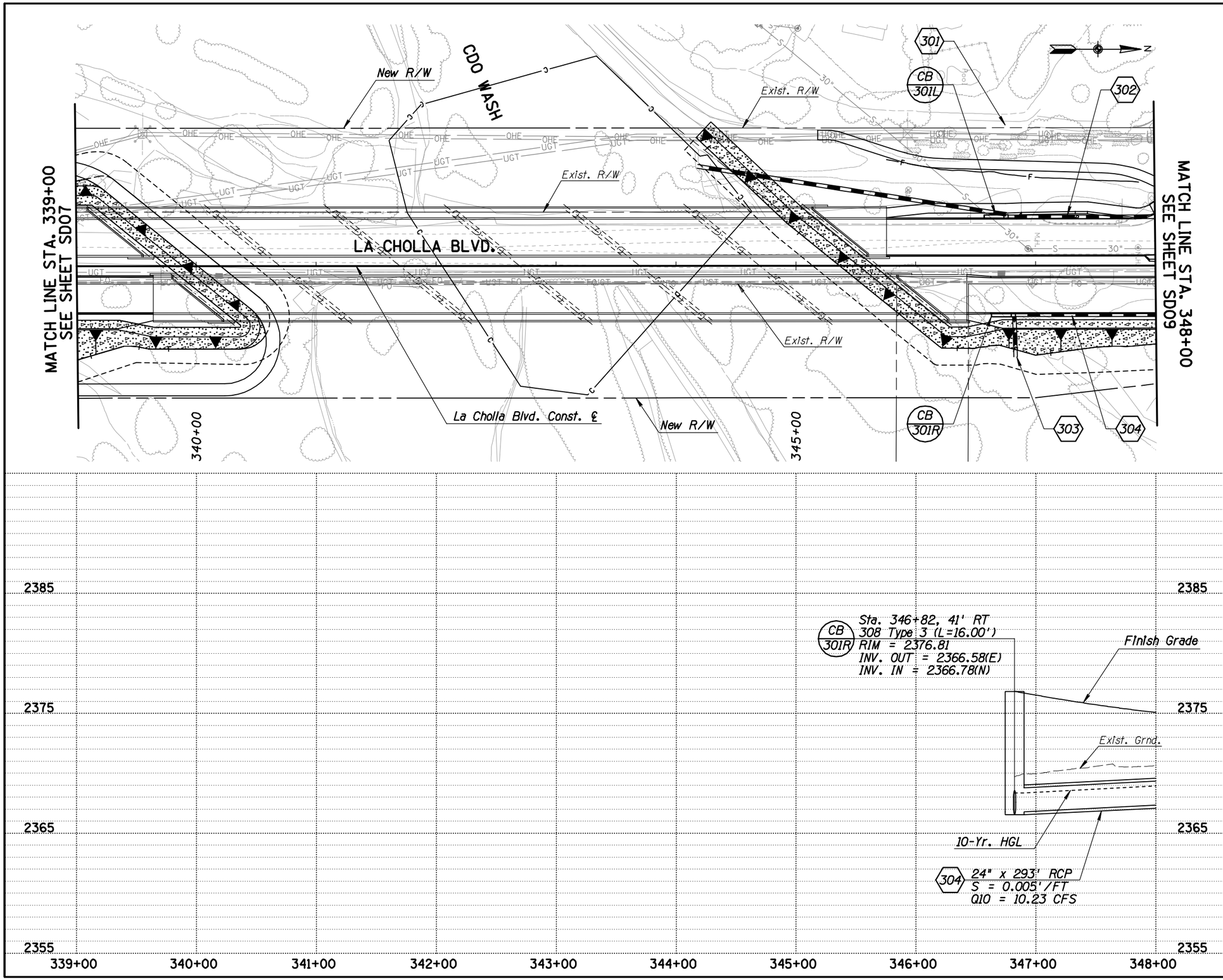

301 SEE SHEET SD22

302 SEE SHEET SD22

303 SEE SHEET SD22

CB 301L SEE SHEET SD22

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Priscilla S. Cornello P.E., Director

Designed	DLL	05 /10
Drawn	DLL	05 /10
Checked	JCB	05 /10
Proj. Mgr.	EGM	05 /10

No.	Revision Description	Engineer	Date

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

STORM DRAIN PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 339+00 TO STA. 348+00
PROJECT NO. 4RTLTM

Scale Horiz. 1"= 40 Vert. 1"= 4 | Sheet SD08 of SD26 | Page 66 of 130

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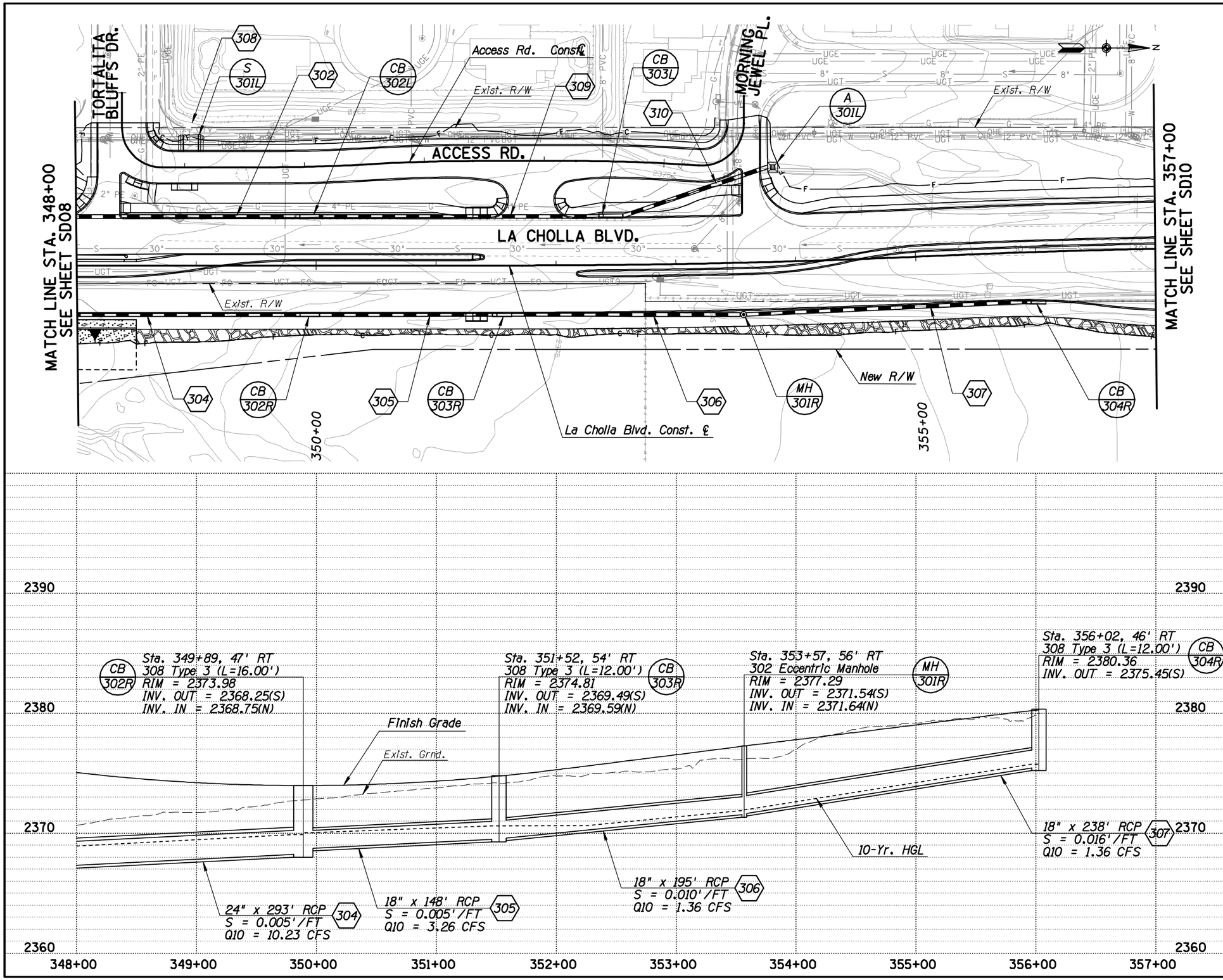

302 SEE SHEET SD22
308 SEE SHEET SD22
309 SEE SHEET SD22
310 SEE SHEET SD22
S 301L SEE SHEET SD22
CB 302L SEE SHEET SD22
CB 303L SEE SHEET SD22
A 301L SEE SHEET SD22

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Priscilla S. Cornello P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	DLL	05 /10
Drawn	DLL	05 /10
Checked	JCB	05 /10
Proj. Mgr.	EGM	05 /10

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

STORM DRAIN PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 348+00 TO STA. 357+00
PROJECT NO. 4RTLTM

Scale Horiz. 1"= 40 Vert. 1"= 4 | Sheet SD09 of SD26 | Page 67 of 130

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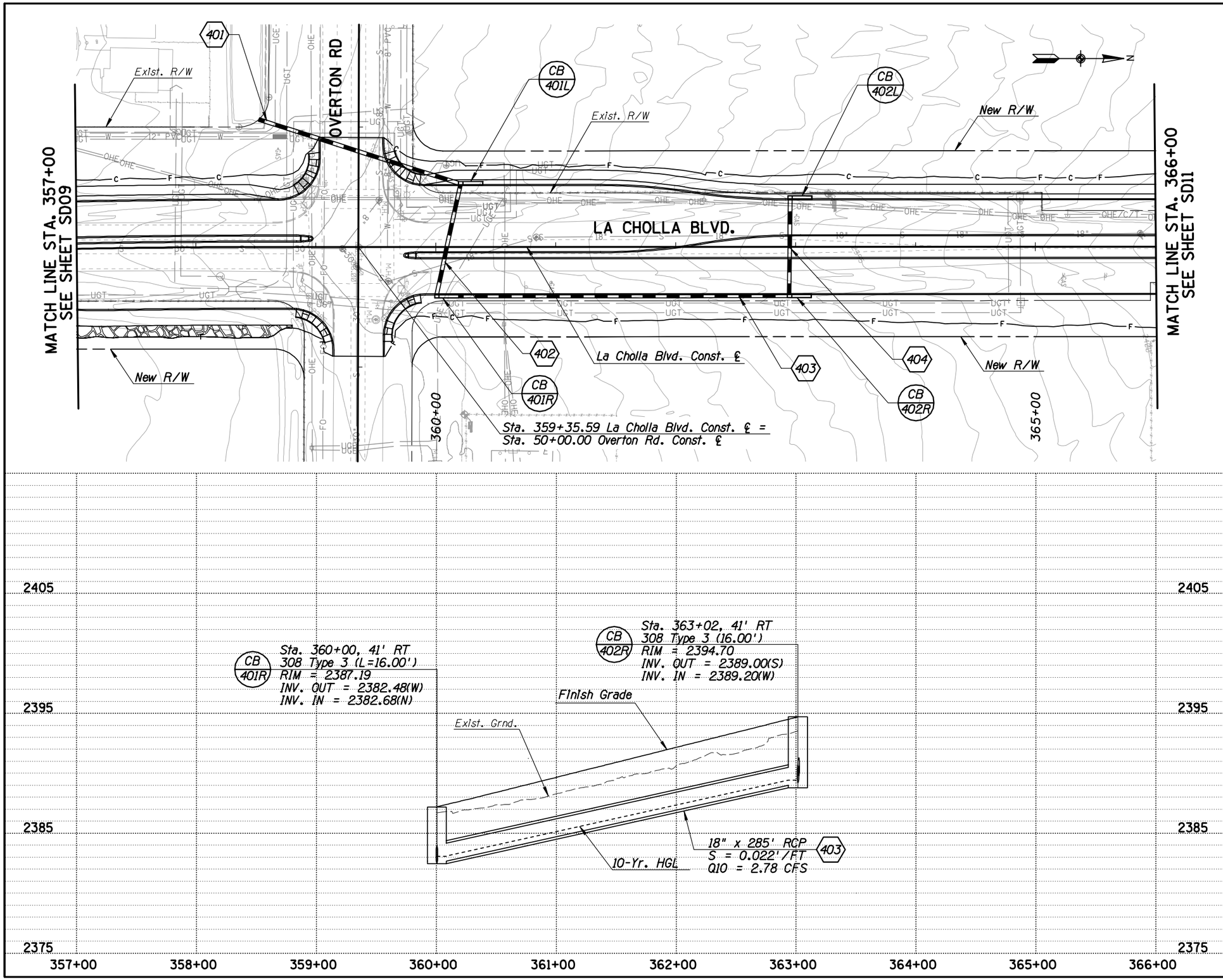

401 SEE SHEET SD22

402 SEE SHEET SD22

404 SEE SHEET SD23

CB 401L SEE SHEET SD22

CB 402L SEE SHEET SD23

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40 Vert. 1"= 4

Sheet SD10 of SD26

Page 68 of 130

Priscilla S. Cornello P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	DLL	05 /10
Drawn	TCB	05 /10
Checked	JCB	05 /10
Proj. Mgr.	EGM	05 /10

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

STORM DRAIN PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 357+00 TO STA. 366+00
PROJECT NO. 4RTLTM

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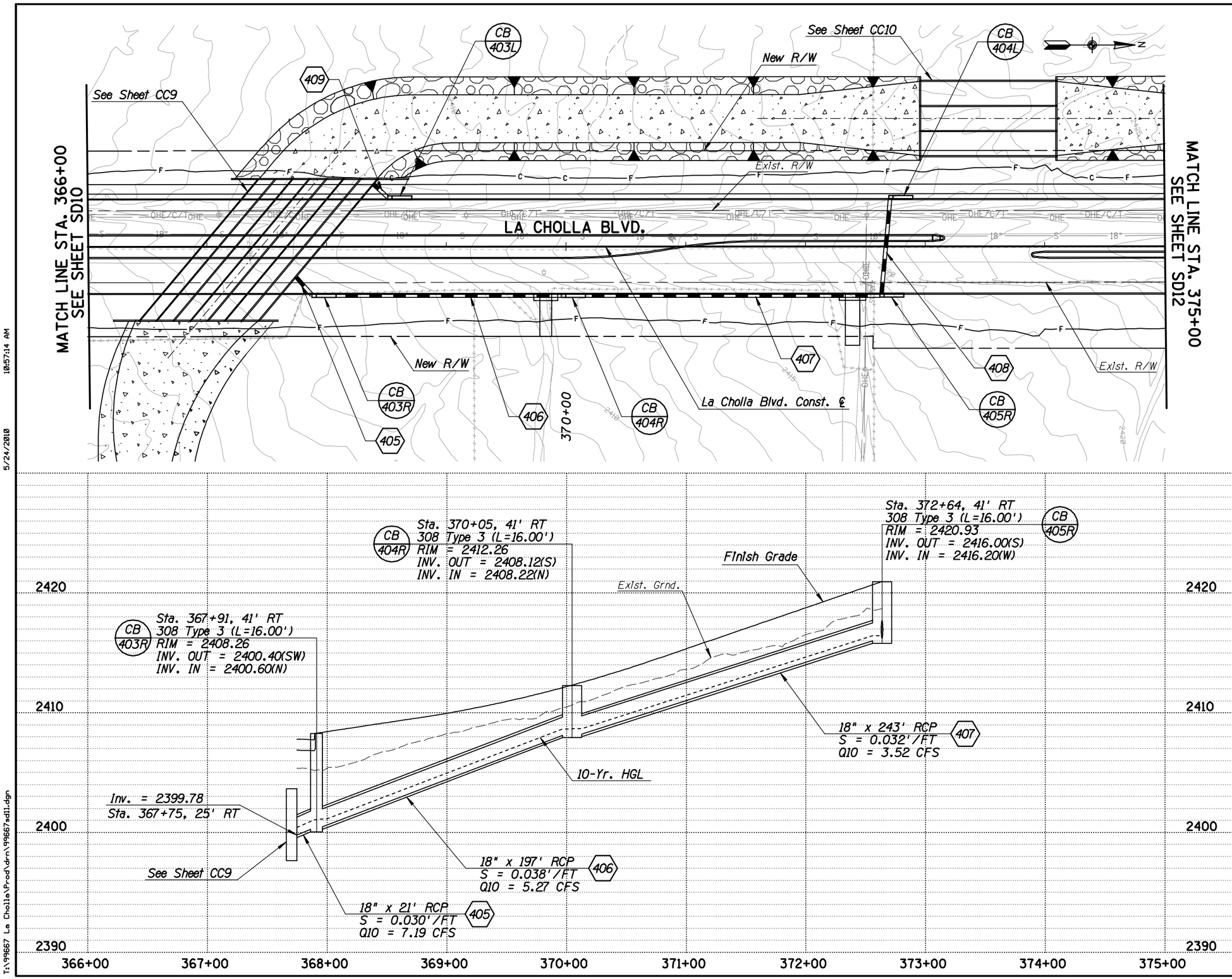

408 SEE SHEET SD23

409 SEE SHEET SD23

CB 403L SEE SHEET SD23

CB 404L SEE SHEET SD23

Priscilla S. Cornello P.E., Director

Designed	DLL
Drawn	TCB
Checked	JCB
Proj. Mgr.	EGM

No.	Revision Description	Engineer	Date

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

STORM DRAIN PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 366+00 TO STA. 375+00
PROJECT NO. 4RTLTM

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40 Vert. 1"= 4

Sheet SD11 of SD26

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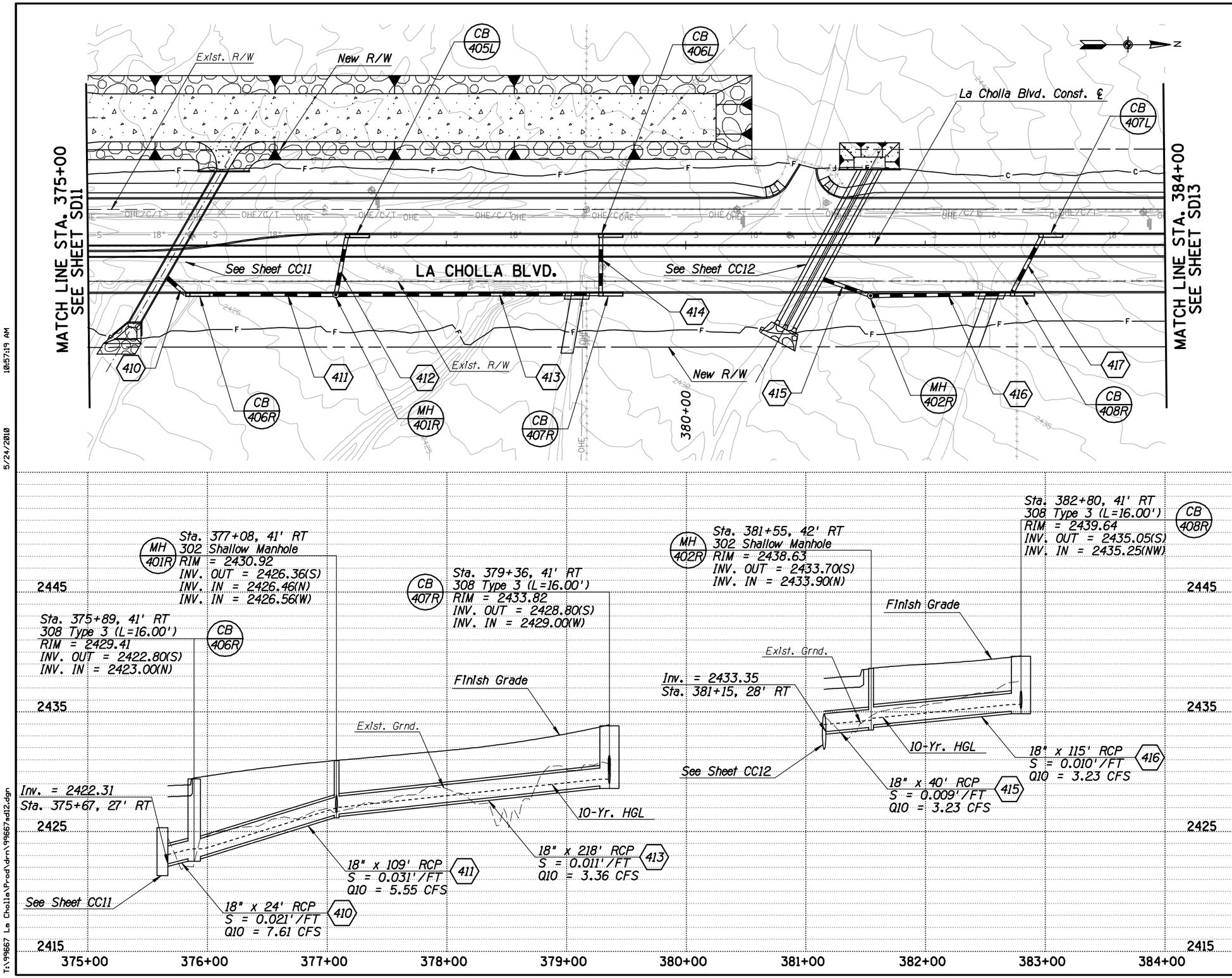

412 SEE SHEET SD23

414 SEE SHEET SD23

417 SEE SHEET SD23

CB 405L SEE SHEET SD23

CB 406L SEE SHEET SD23

CB 407L SEE SHEET SD23

Priscilla S. Cornello P.E., Director

	Date
Designed DLL	05 /10
Drawn TCB	05 /10
Checked JCB	05 /10
Proj. Mgr. EGM	05 /10

No.	Revision Description	Engineer	Date

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
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STORM DRAIN PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 375+00 TO STA. 384+00
PROJECT NO. 4RTLTM

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40 Vert. 1"= 4

Sheet SD12 of SD26

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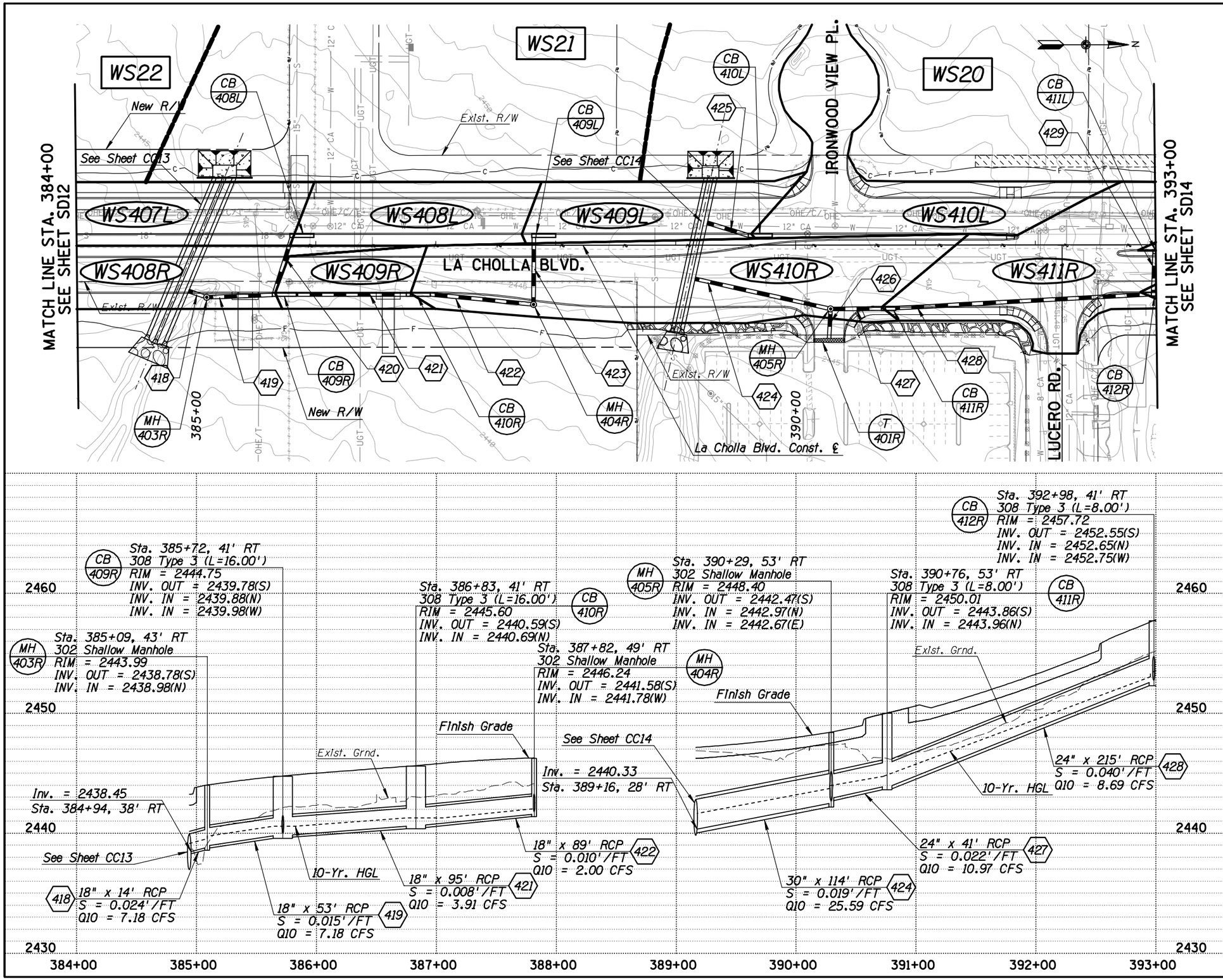

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423	SEE SHEET SD23
425	SEE SHEET SD23
426	SEE SHEET SD24
429	SEE SHEET SD24
CB 408L	SEE SHEET SD23
CB 409L	SEE SHEET SD23
CB 410L	SEE SHEET SD23
T 401R	SEE SHEET SD24
CB 411L	SEE SHEET SD24

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Priscilla S. Cornello P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed		
Drawn		
Checked		
Proj. Mgr.		

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

STORM DRAIN PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 384+00 TO STA. 393+00
PROJECT NO. 4RTLTM

Scale Horiz. 1"= 40 Vert. 1"= 4 | Sheet SD13 of SD26 | Page 71 of 130

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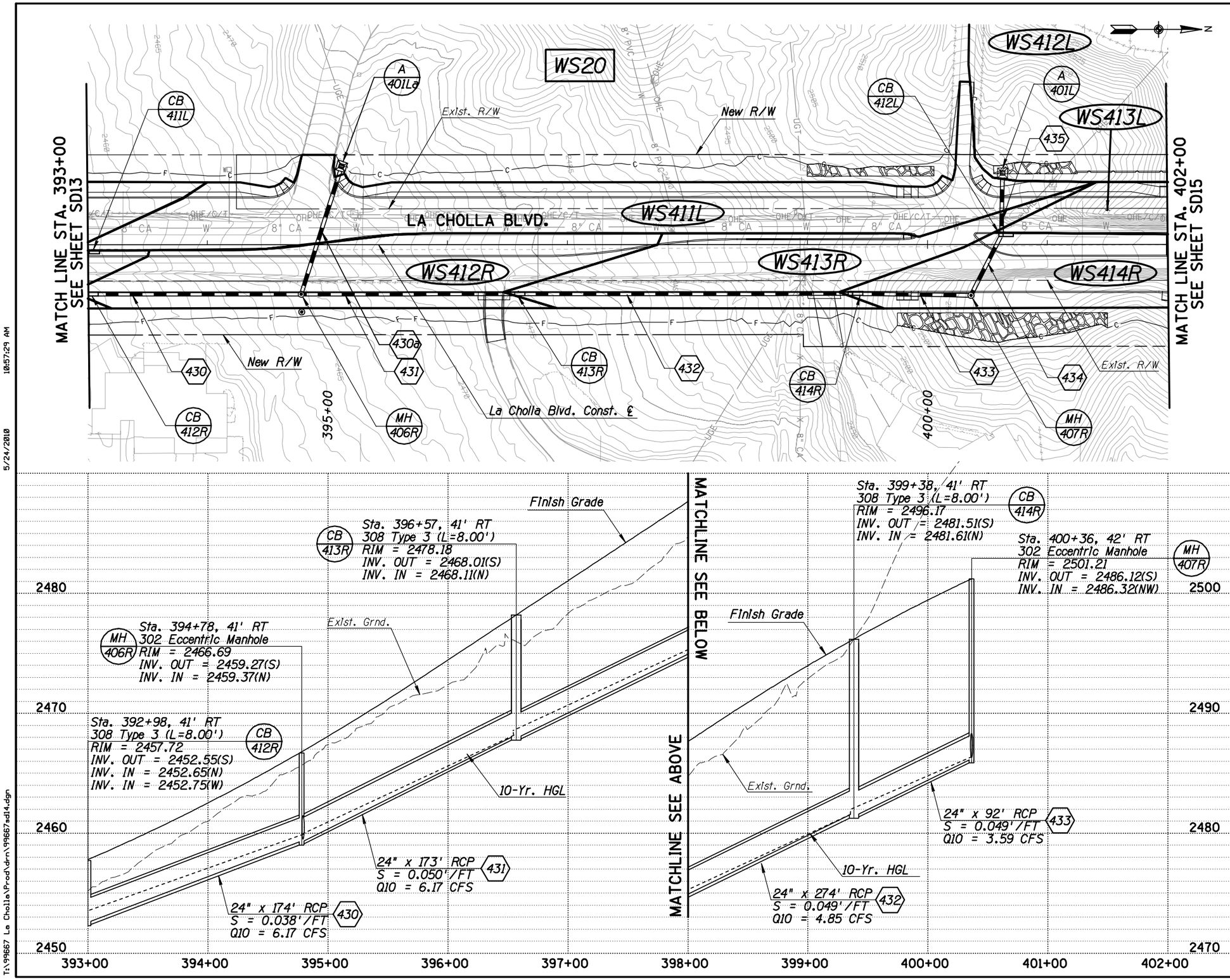

430a	SEE SHEET SD26
434	SEE SHEET SD24
435	SEE SHEET SD24
CB 411L	SEE SHEET SD24
CB 412L	SEE SHEET SD24
A 401L	SEE SHEET SD24
A 401La	SEE SHEET SD26

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Priscilla S. Cornello P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed		
Drawn		
Checked		
Proj. Mgr.		

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

STORM DRAIN PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 393+00 TO STA. 402+00
PROJECT NO. 4RTL TM

Scale	Horiz. 1"= 40	Sheet SD14 of SD26	Page 72 of 130
	Vert. 1"= 4		

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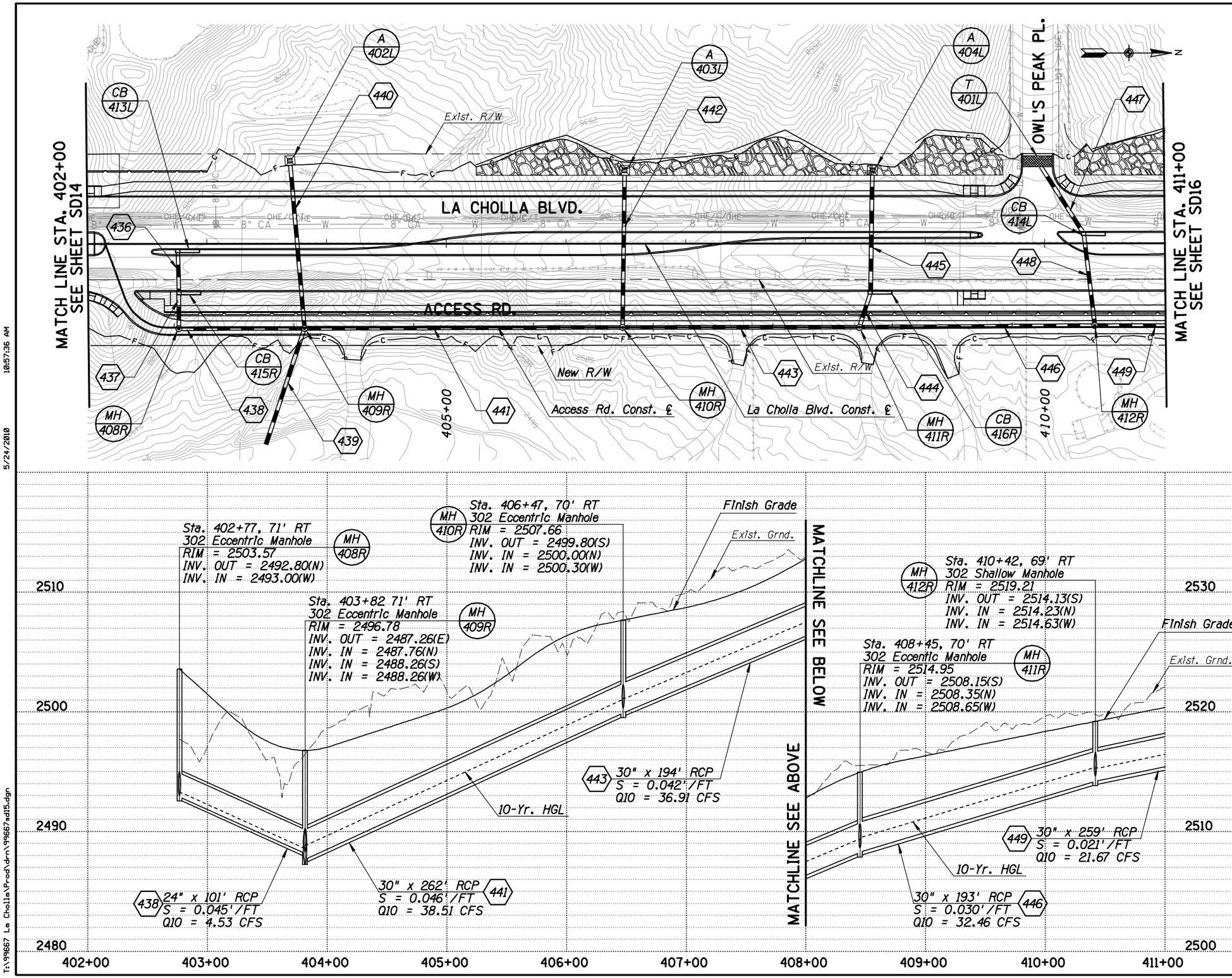

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448 SEE SHEET SD25
CB 413L SEE SHEET SD24
CB 415R SEE SHEET SD24
A 402L SEE SHEET SD24
A 403L SEE SHEET SD24
A 404L SEE SHEET SD25
CB 416R SEE SHEET SD25
T 401L SEE SHEET SD25
CB 414L SEE SHEET SD25

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Priscilla S. Cornello P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	DLL	05 /10
Drawn	TCB	05 /10
Checked	JCB	05 /10
Proj. Mgr.	EGM	05 /10

STAGE II
PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

STORM DRAIN PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 402+00 TO STA. 411+00
PROJECT NO. 4RTL TM

Scale Horiz. 1"= 40 Vert. 1"= 4 | Sheet SD15 of SD26 | Page 73 of 130

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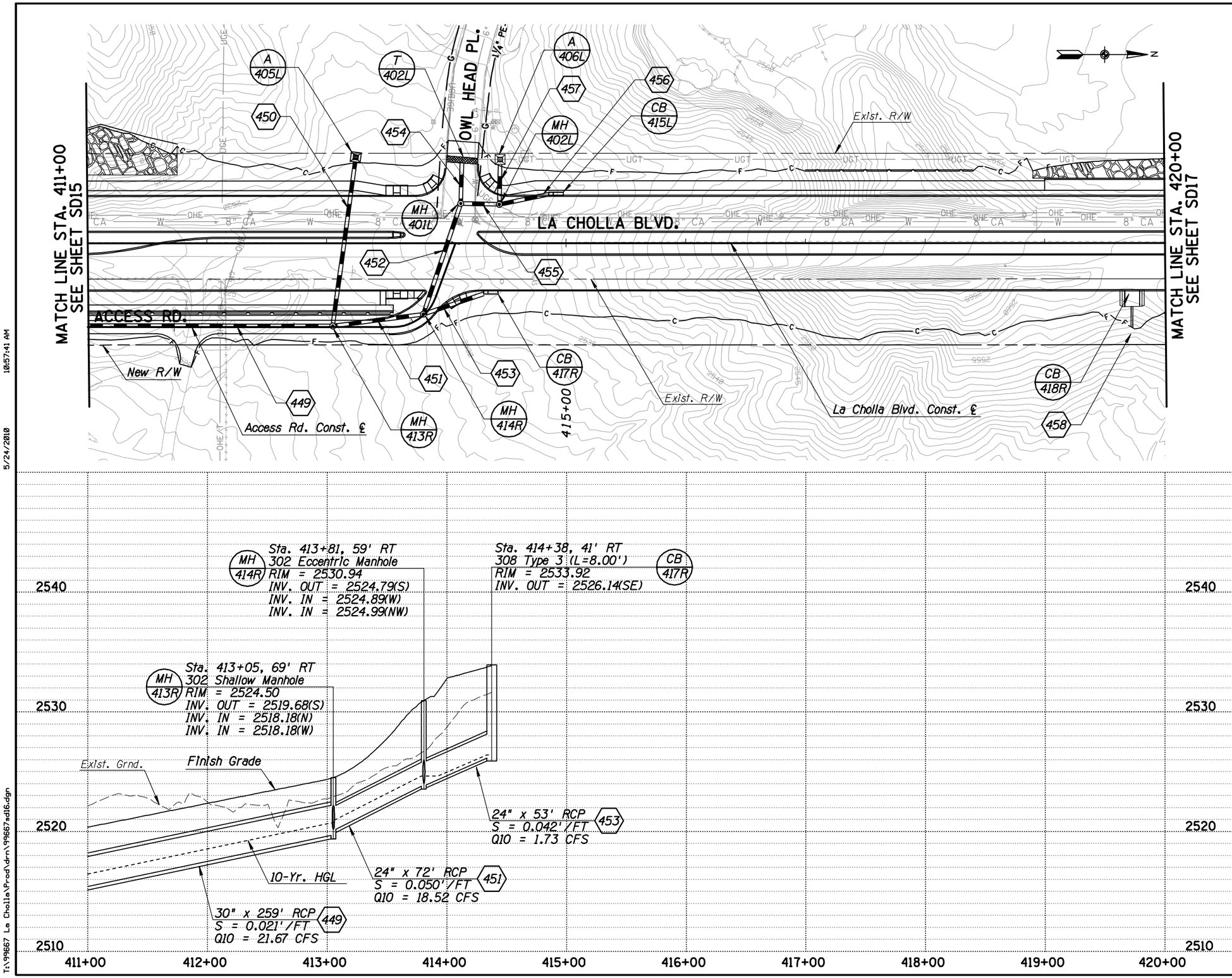

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454 SEE SHEET SD25
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458 SEE SHEET SD25
A 405L SEE SHEET SD25
T 402L SEE SHEET SD25
MH 401L SEE SHEET SD25
MH 402L SEE SHEET SD25
CB 415L SEE SHEET SD25
A 406L SEE SHEET SD25
CB 418R SEE SHEET SD25

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40 Vert. 1"= 4

Sheet SD16 of SD26

Page 74 of 130

Priscilla S. Cornello P.E., Director

Designed	DLL	05 /10
Drawn	TCB	05 /10
Checked	JCB	05 /10
Proj. Mgr.	EGM	05 /10

No.	Revision Description	Engineer	Date

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

STORM DRAIN PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 411+00 TO STA. 420+00
PROJECT NO. 4RTLTM

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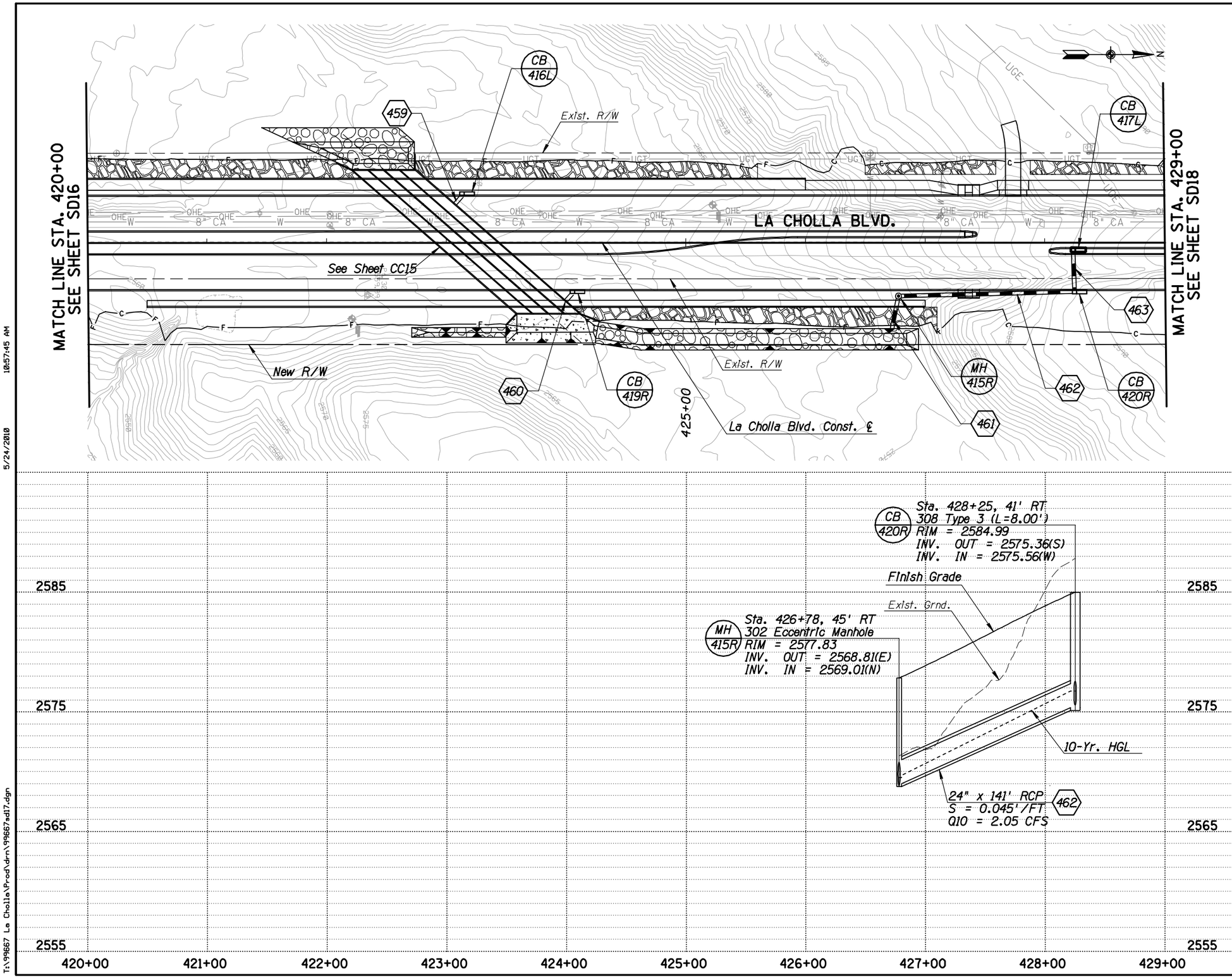

459 SEE SHEET SD25

460 SEE SHEET SD26

461 SEE SHEET SD26

463 SEE SHEET SD26

CB 416L SEE SHEET SD25

CB 419R SEE SHEET SD26

CB 417L SEE SHEET SD26

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40 Vert. 1"= 4

Sheet SD17 of SD26

Page 75 of 130

Priscilla S. Cornello P.E., Director

Designed	DLL
Drawn	TCB
Checked	JCB
Proj. Mgr.	EGM

Date: 05/10

No.	Revision Description	Engineer	Date

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

STORM DRAIN PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 420+00 TO STA. 429+00
PROJECT NO. 4RTLTM

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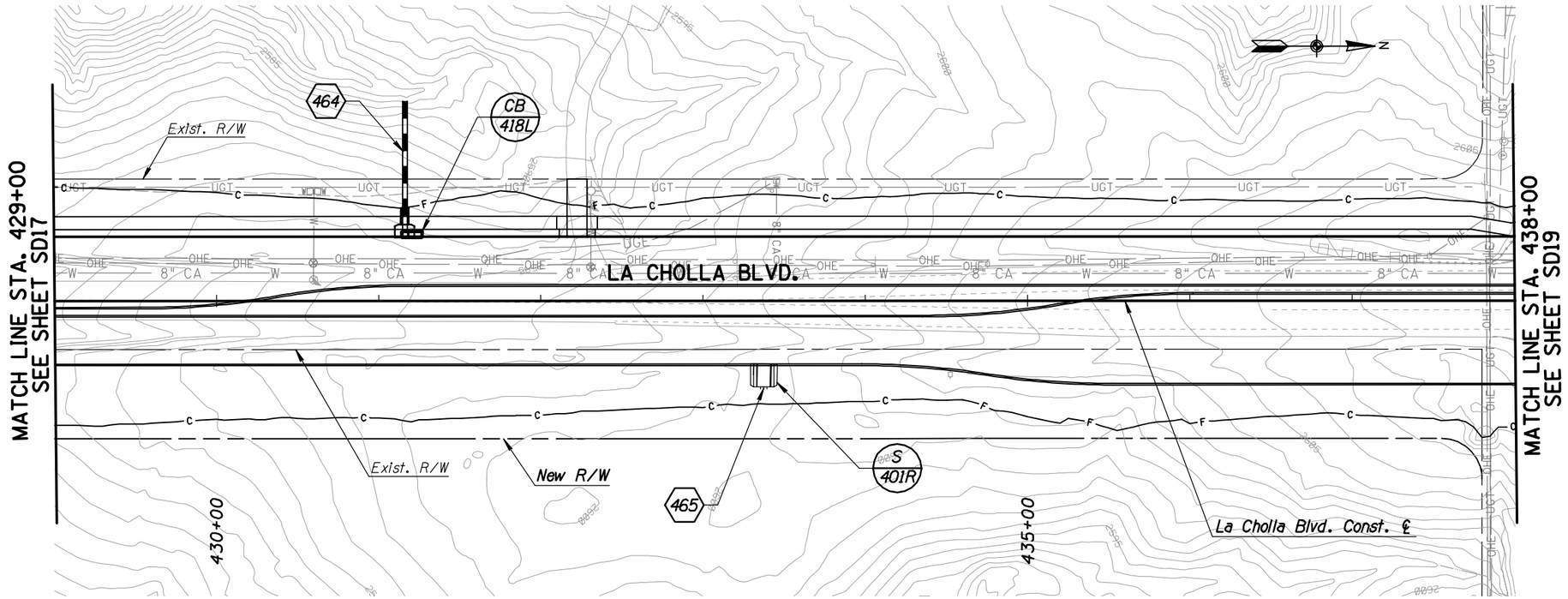

464 SEE SHEET SD26

465 SEE SHEET SD26

CB 418L SEE SHEET SD26

S 401R SEE SHEET SD26

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Priscilla S. Cornello P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	DLL	05 /10
Drawn	TCB	05 /10
Checked	JCB	05 /10
Proj. Mgr.	EGM	05 /10

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

STORM DRAIN PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 429+00 TO STA. 438+00
PROJECT NO. 4RTL TM

Scale Horiz. 1"= 40 Vert. 1"= 4 | Sheet SD18 of SD26 | Page 76 of 130

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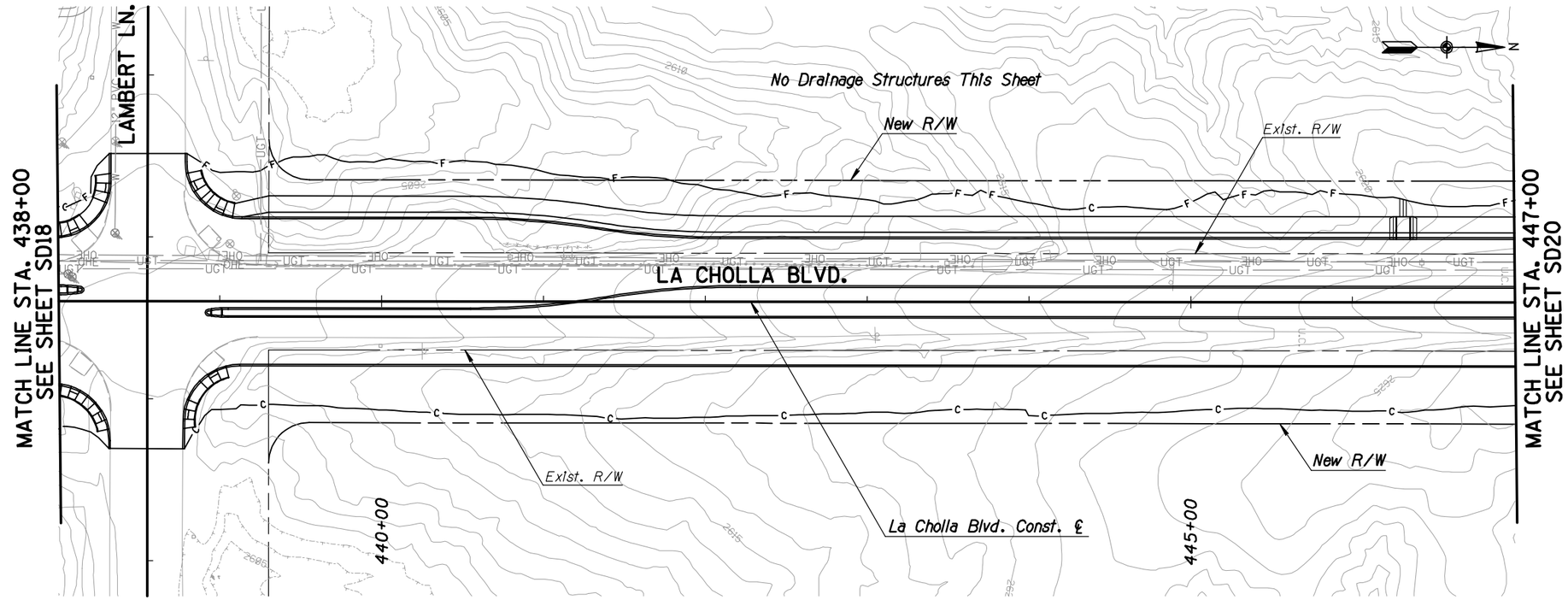

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40 Vert. 1"= 4

Sheet SD19 of SD26

Priscilla S. Cornello P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed		
Drawn		
Checked		
Proj. Mgr.		

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

STORM DRAIN PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 438+00 TO STA. 447+00
PROJECT NO. 4RTLTM

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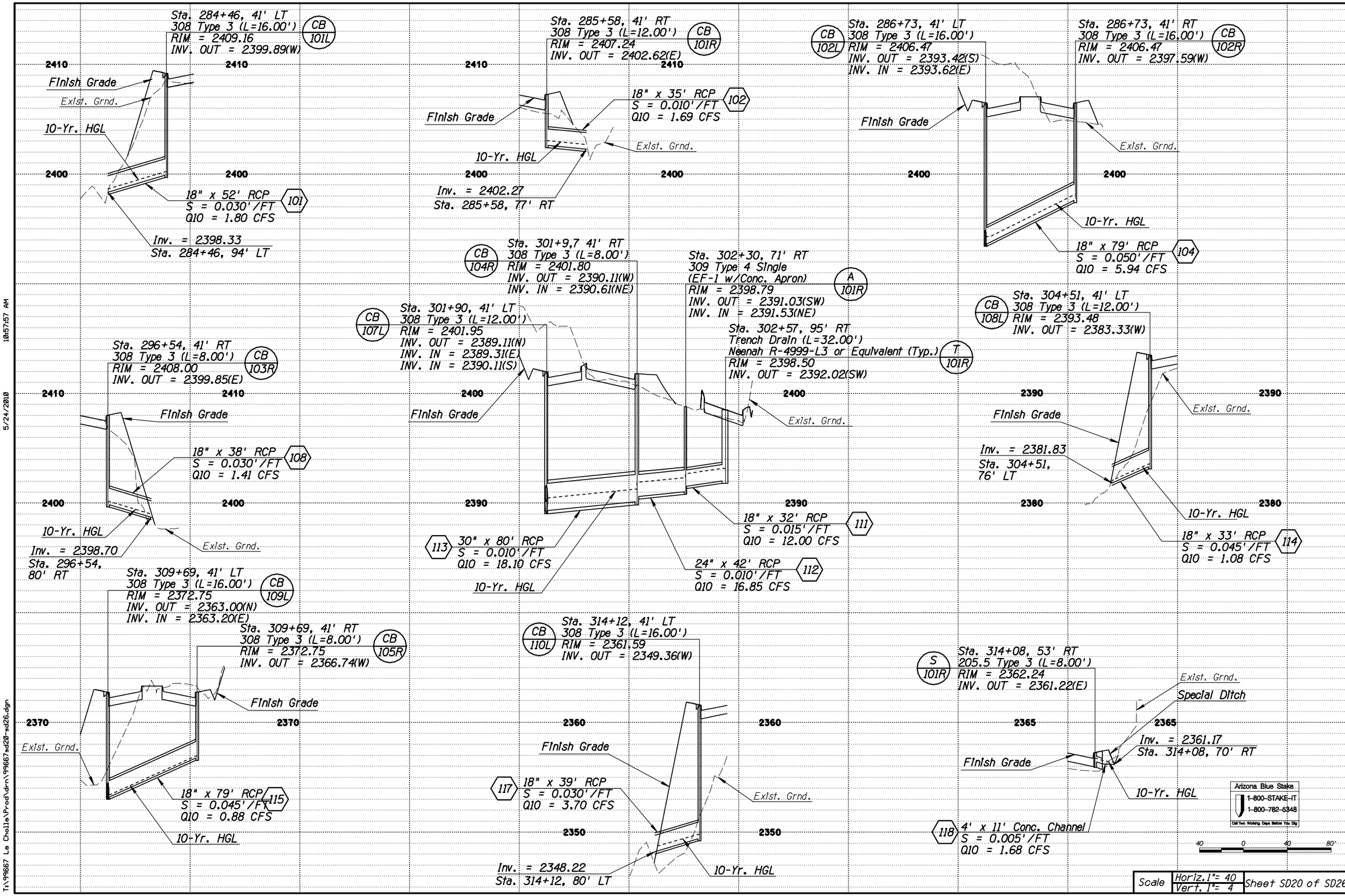

Priscilla S. Cornello P.E., Director

Designed	DLL	05 /10
Drawn	DLL	05 /10
Checked	JCB	05 /10
Proj. Mgr.	EGM	05 /10

No.	Revision Description	Engineer	Date

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

STORM DRAIN PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

Scale Horiz.1"= 40 Vert. 1"= 4 | Sheet SD20 of SD26 | Page 78 of 130

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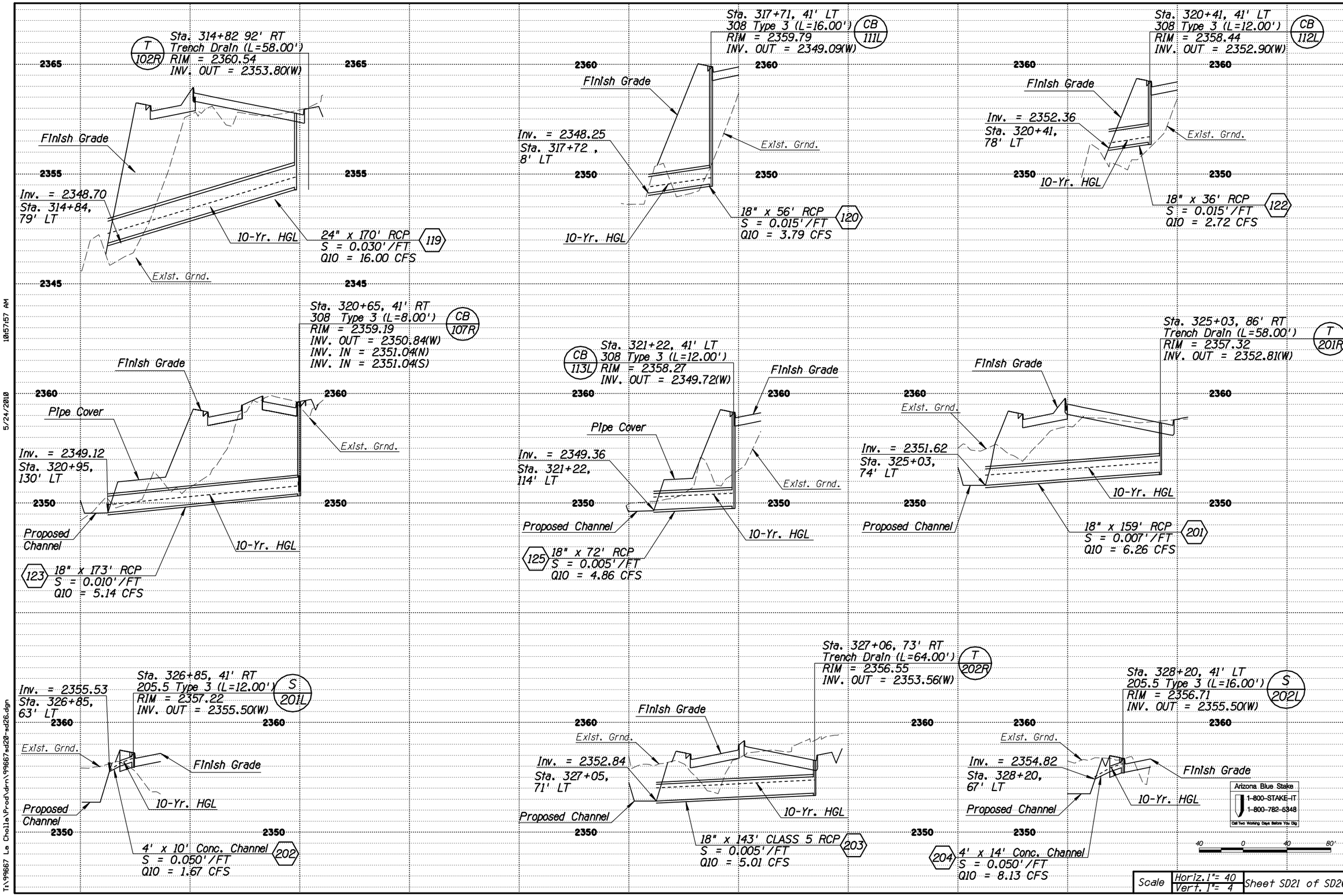

Priscilla S. Cornello P.E., Director

Designed	DLL	05/10
Drawn	DLL	05/10
Checked	JCB	05/10
Proj. Mgr.	EGM	05/10

No.	Revision Description	Engineer	Date

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
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STORM DRAIN PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

Scale	Horiz. 1"= 40	Sheet SD21 of SD26	Page 79 of 130
	Vert. 1"= 4		

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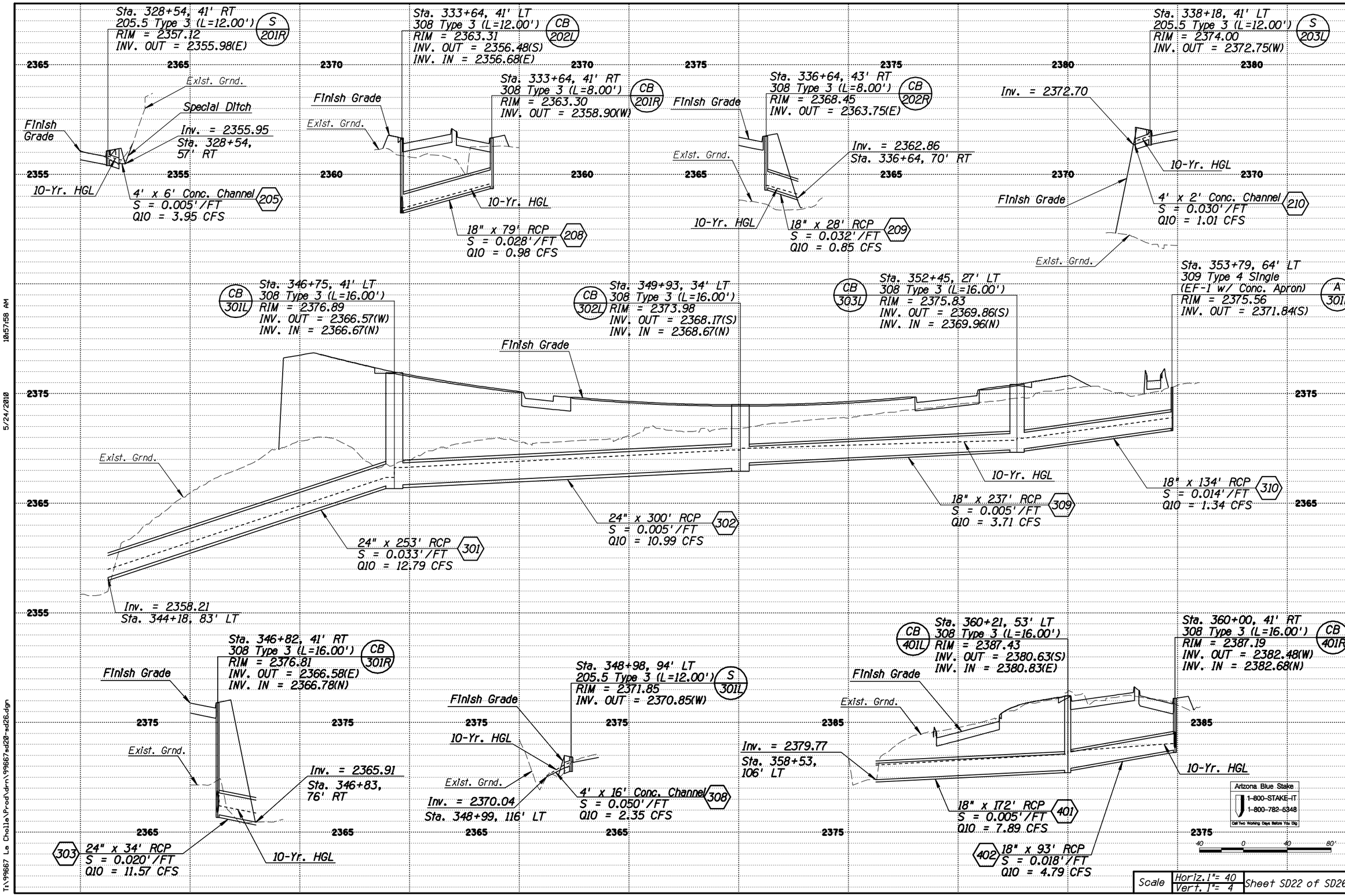

Priscilla S. Cornello P.E., Director

Designed	DLL	05 /10
Dr-awn	DLL	05 /10
Checked	JCB	05 /10
Proj. Mgr.	EGM	05 /10

No.	Revision Description	Engineer	Date

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
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STORM DRAIN PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

Scale	Horiz.1"= 40 / Vert. 1"= 4	Sheet SD22 of SD26	Page 80 of 130

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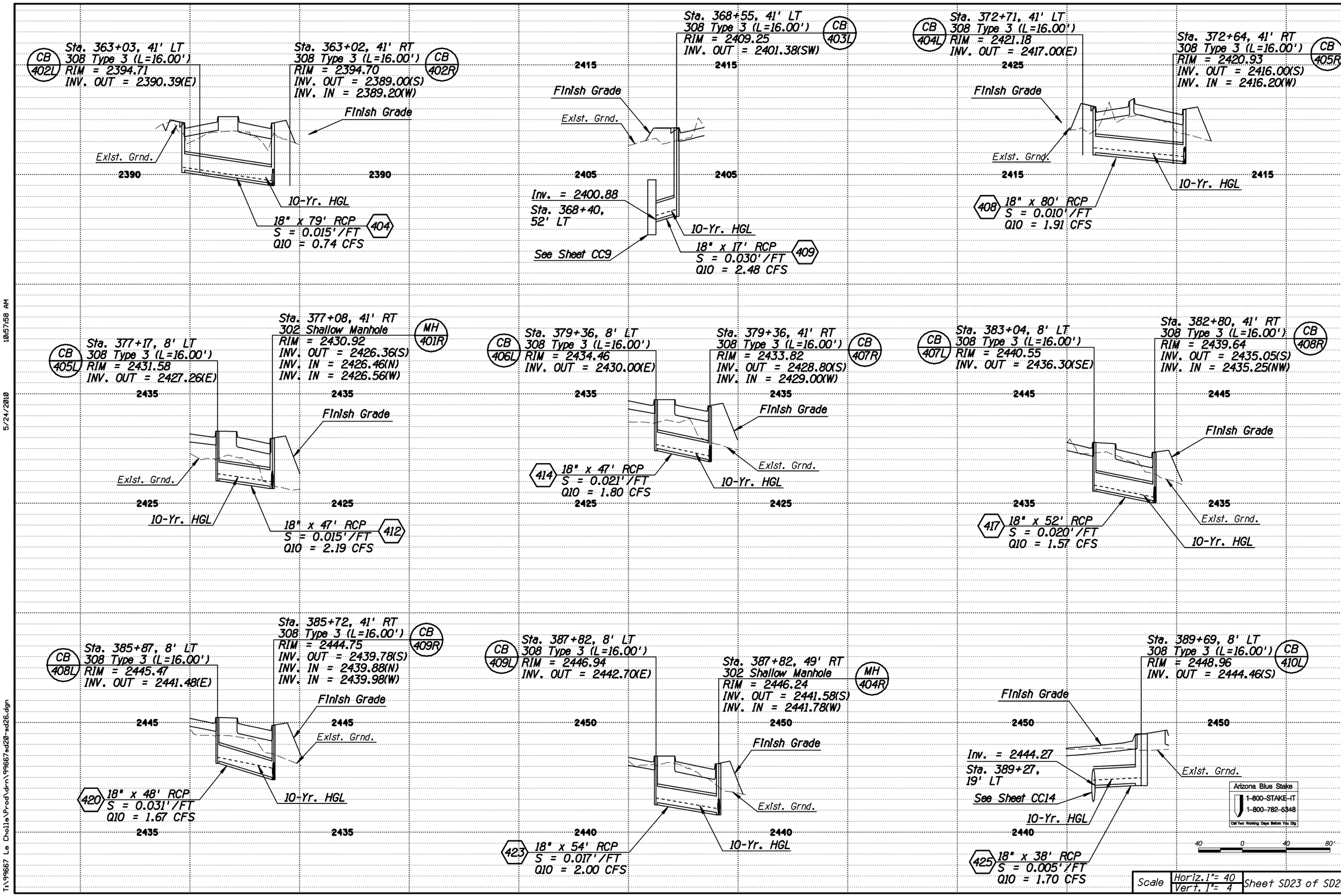

Priscilla S. Cornello P.E., Director

Designed	DLL	05 /10
Drawn	DLL	05 /10
Checked	JCB	05 /10
Proj. Mgr.	EGM	05 /10

No.	Revision Description	Engineer	Date

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

STORM DRAIN PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

Scale	Horiz. 1"= 40	Sheet SD23 of SD26	Page 81 of 130
	Vert. 1"= 4		

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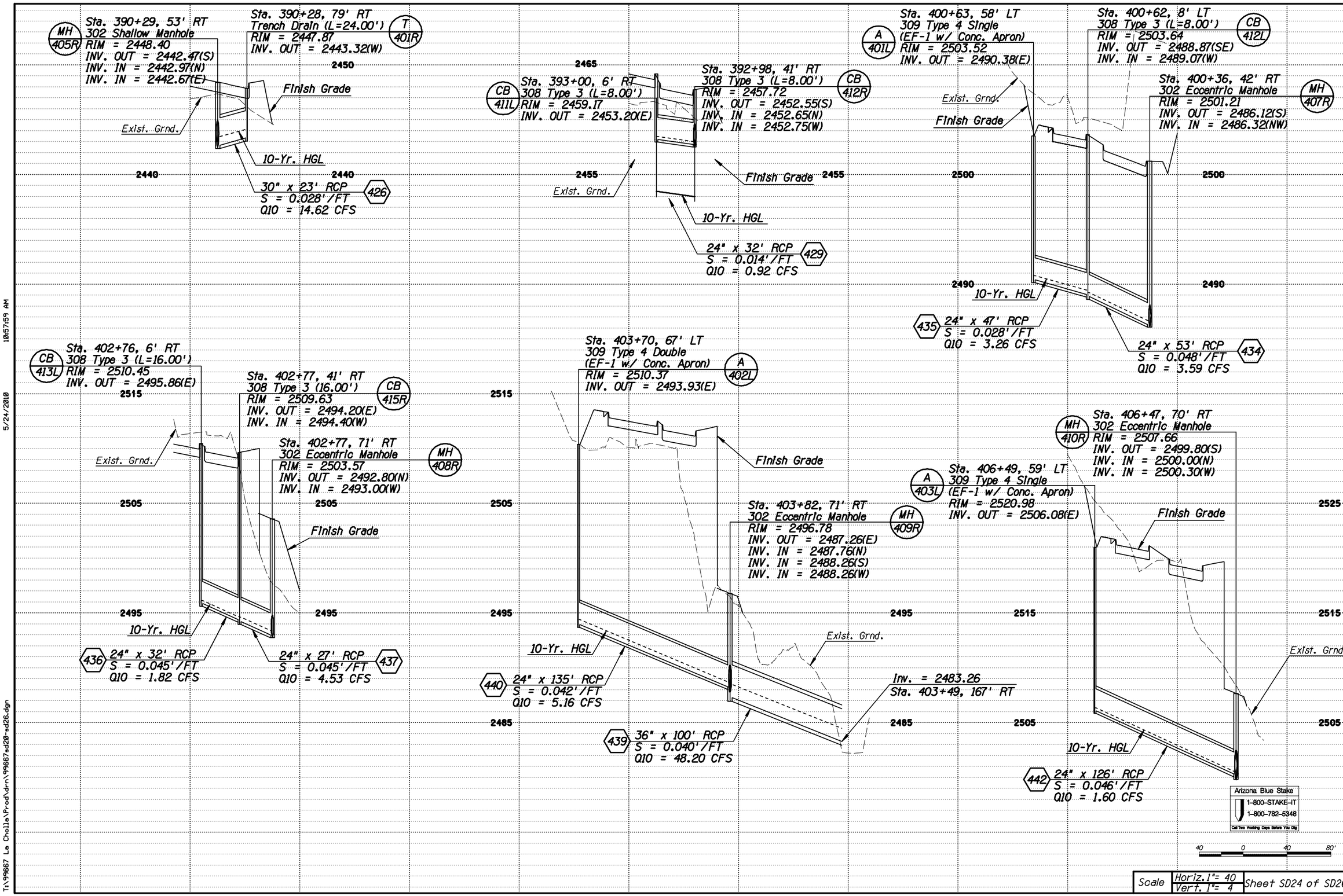
SilvesterK



Priscilla S. Cornello P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	DLL	05 /10
Drawn	DLL	05 /10
Checked	JCB	05 /10
Proj. Mgr.	EGM	05 /10

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

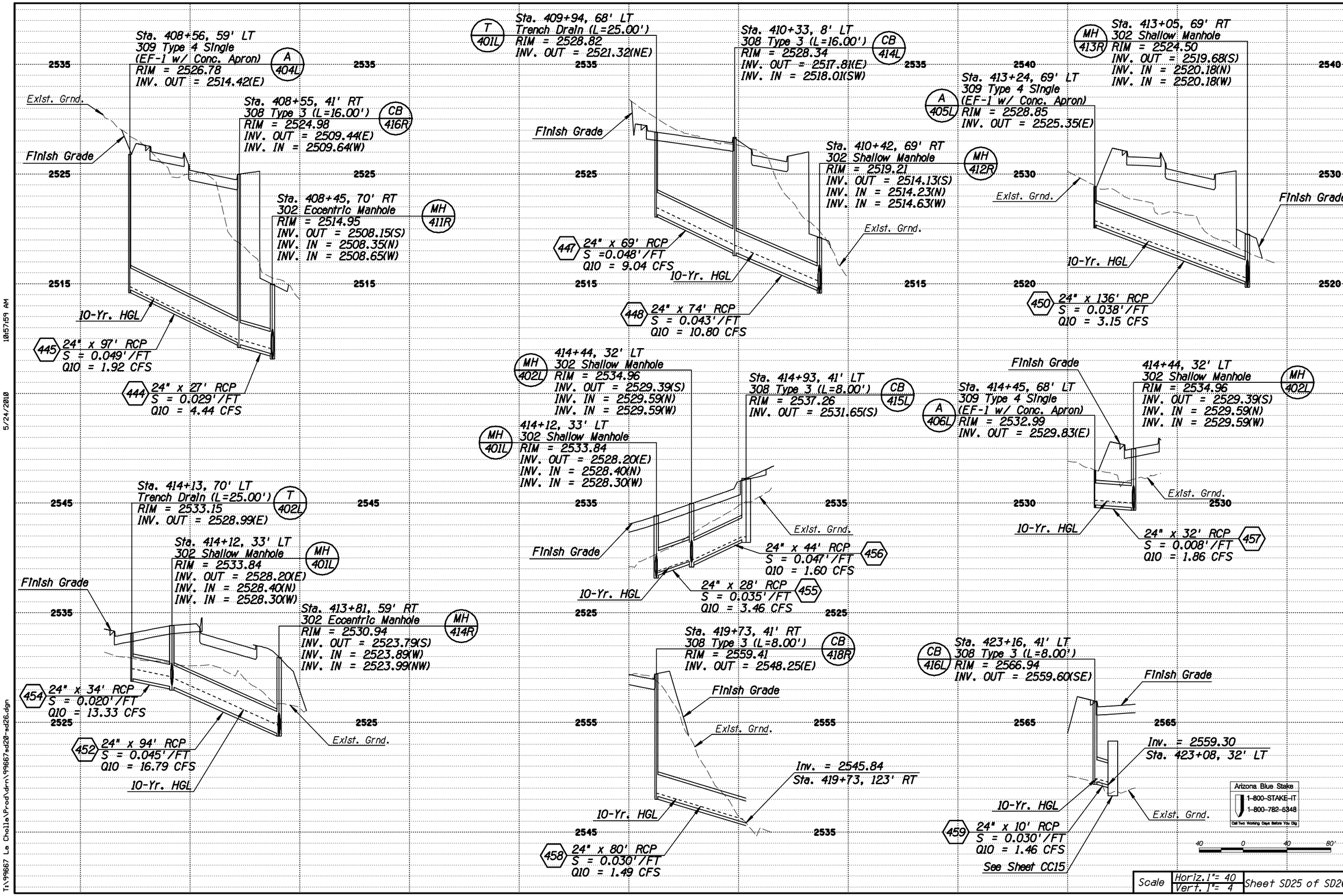
AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

STORM DRAIN PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

Scale	Horiz. 1"= 40 / Vert. 1"= 4	Sheet SD24 of SD26	Page 82 of 130

T:\99667 La Cholla\Prod\dgn\99667ad20-sd26.dgn 5/24/2010 10:57:59 AM

SilvesterK



Priscilla S. Cornello P.E., Director

Designed	DLL	05 /10
Drawn	DLL	05 /10
Checked	JCB	05 /10
Proj. Mgr.	EGM	05 /10

No.	Revision Description	Engineer	Date

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

STORM DRAIN PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

Scale	Horiz. 1"= 40	Sheet SD25 of SD26	Page 83 of 130
	Vert. 1"= 4		

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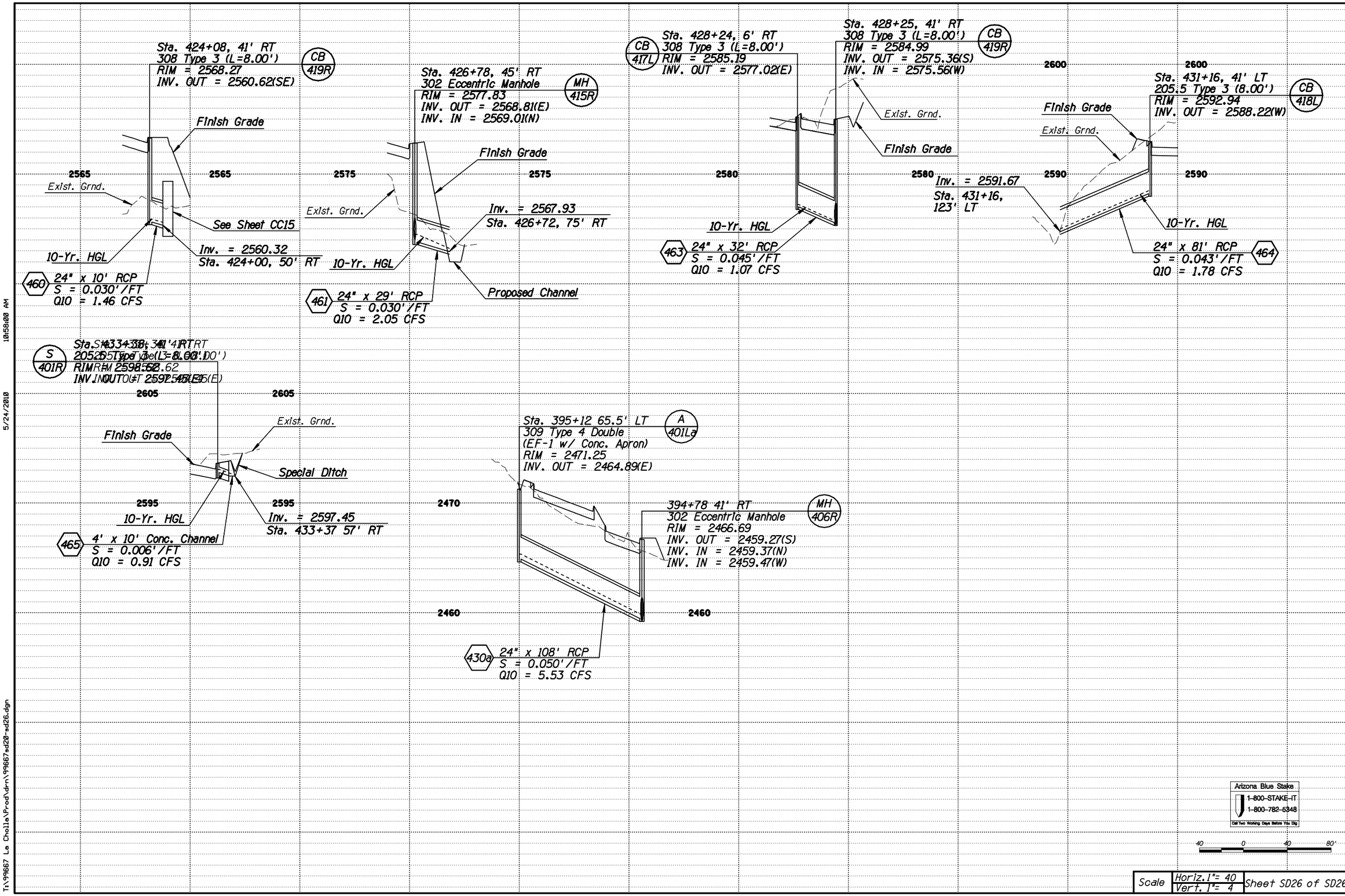
SilvesterK



Priscilla S. Cornello P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	DLL	05 /10
Drawn	DLL	05 /10
Checked	JCB	05 /10
Proj. Mgr.	EGM	05 /10

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

STORM DRAIN PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

Scale	Horiz. 1"= 40	Sheet SD26 of SD26	Page 84 of 130
	Vert. 1"= 4		

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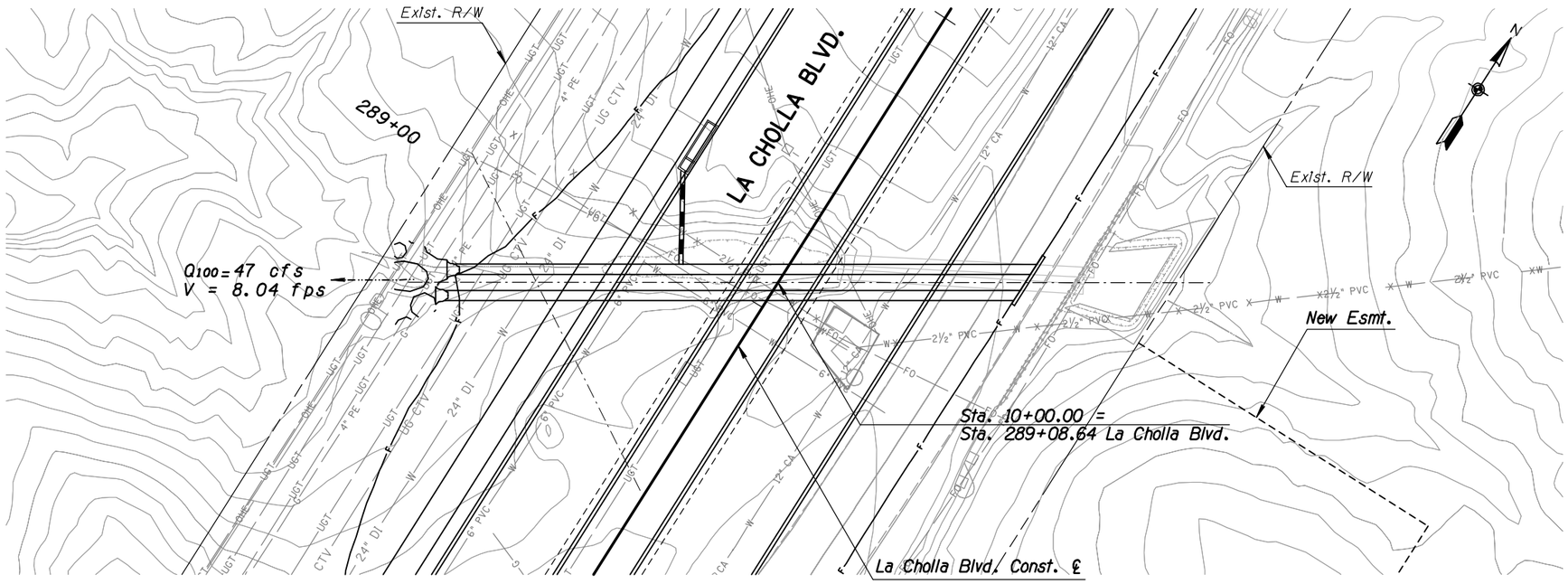

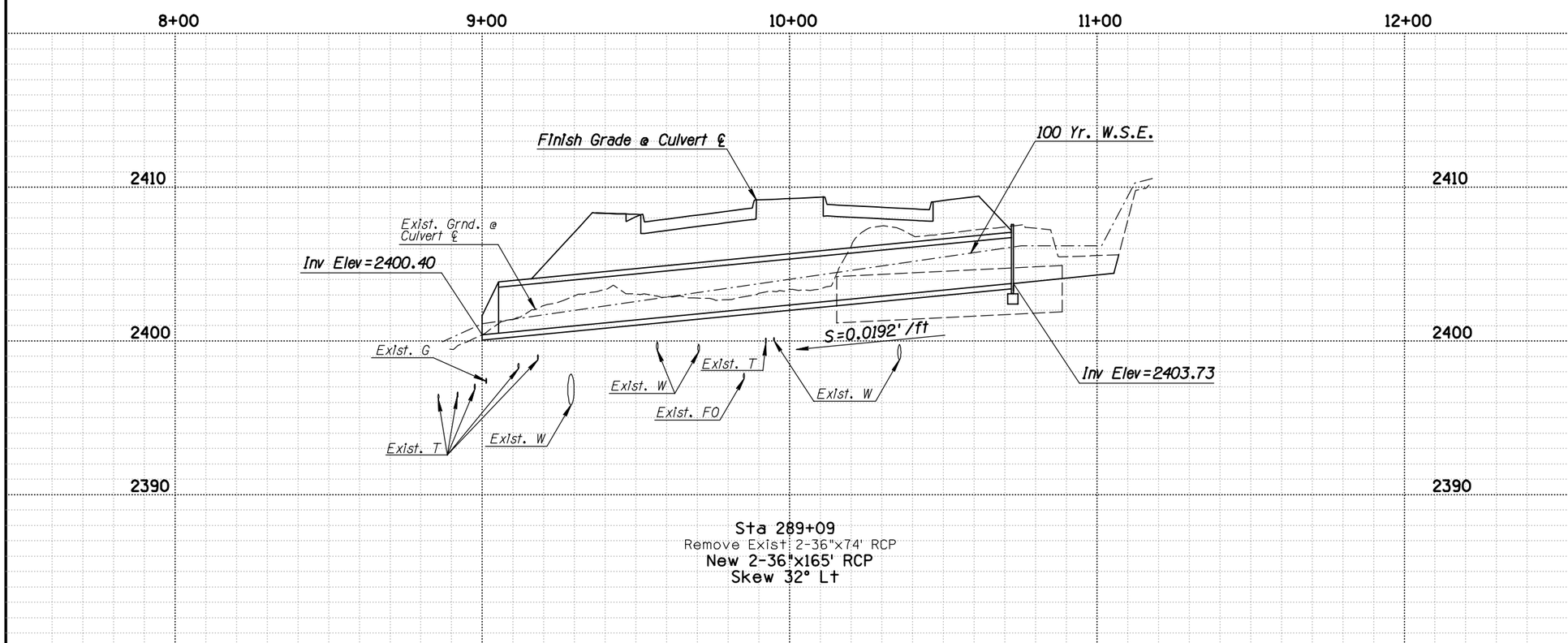

Sta 289+09
Remove Exist 2-36"x74' RCP
New 2-36"x165' RCP
Skew 32° Lt

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

20' 0 20' 40'

Priscilla S. Cornello P.E., Director

Designed	MK	05/10
Drawn	ES	05/10
Checked	EGM	05/10
Proj. Mgr.	EGM	05/10

No.	Revision Description	Engineer	Date

STAGE II
PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

CROSS CULVERT PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

Scale Horiz. 1"= 20' Vert. 1"= 4' | Sheet CC01 of CC15 | Page 85 of 130

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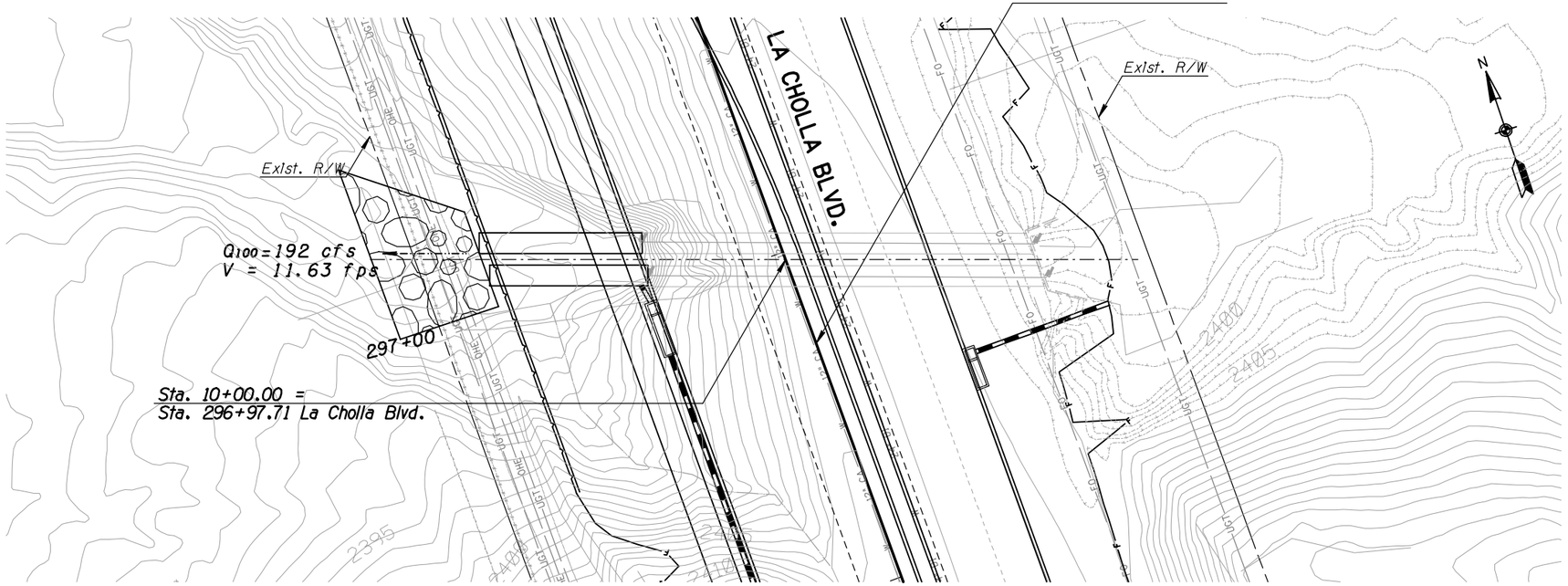
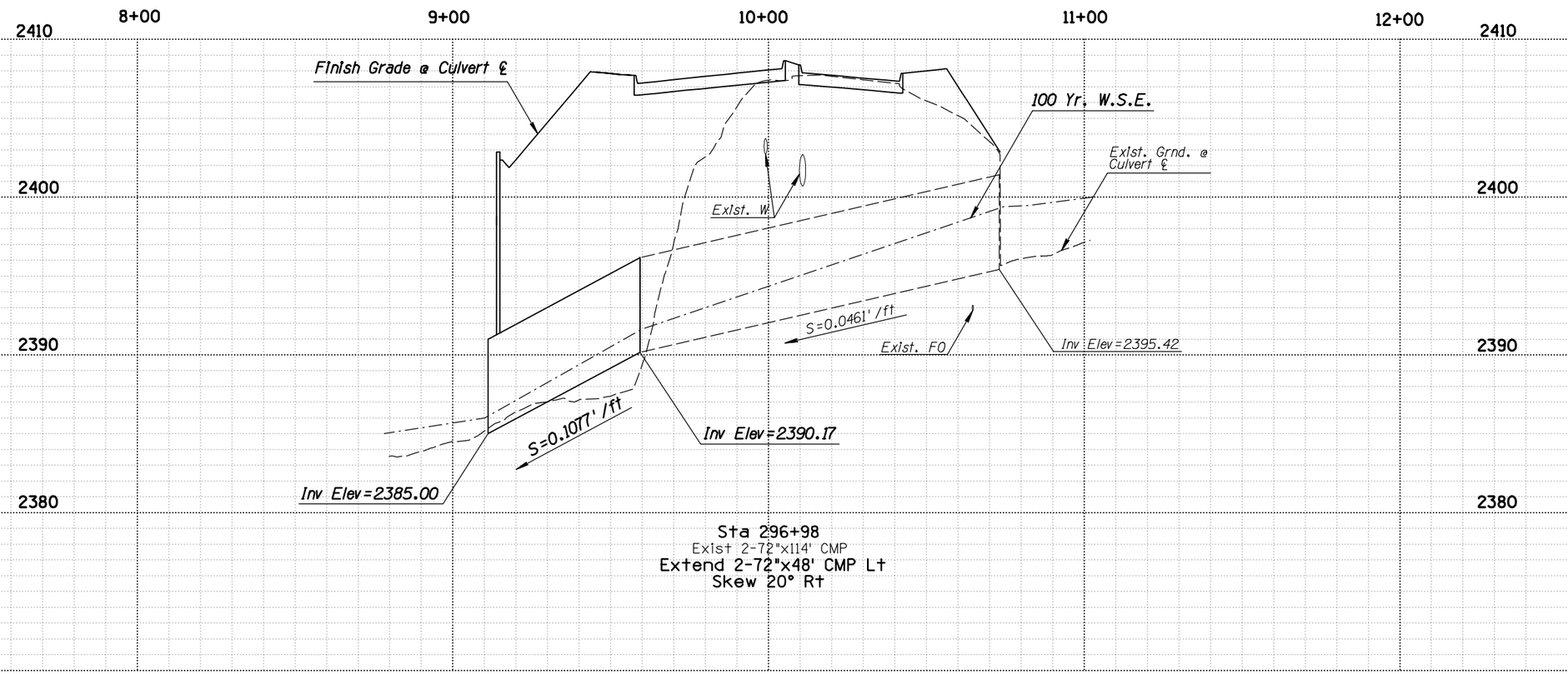
SilvesterK





Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

20' 0 20' 40'

Priscilla S. Cornello P.E., Director

Designed	MK	05/10
Drawn	ES	05/10
Checked	EGM	05/10
Proj. Mgr.	EGM	05/10

No.	Revision Description	Engineer	Date

STAGE II
PRELIMINARY-NOT FOR CONSTRUCTION

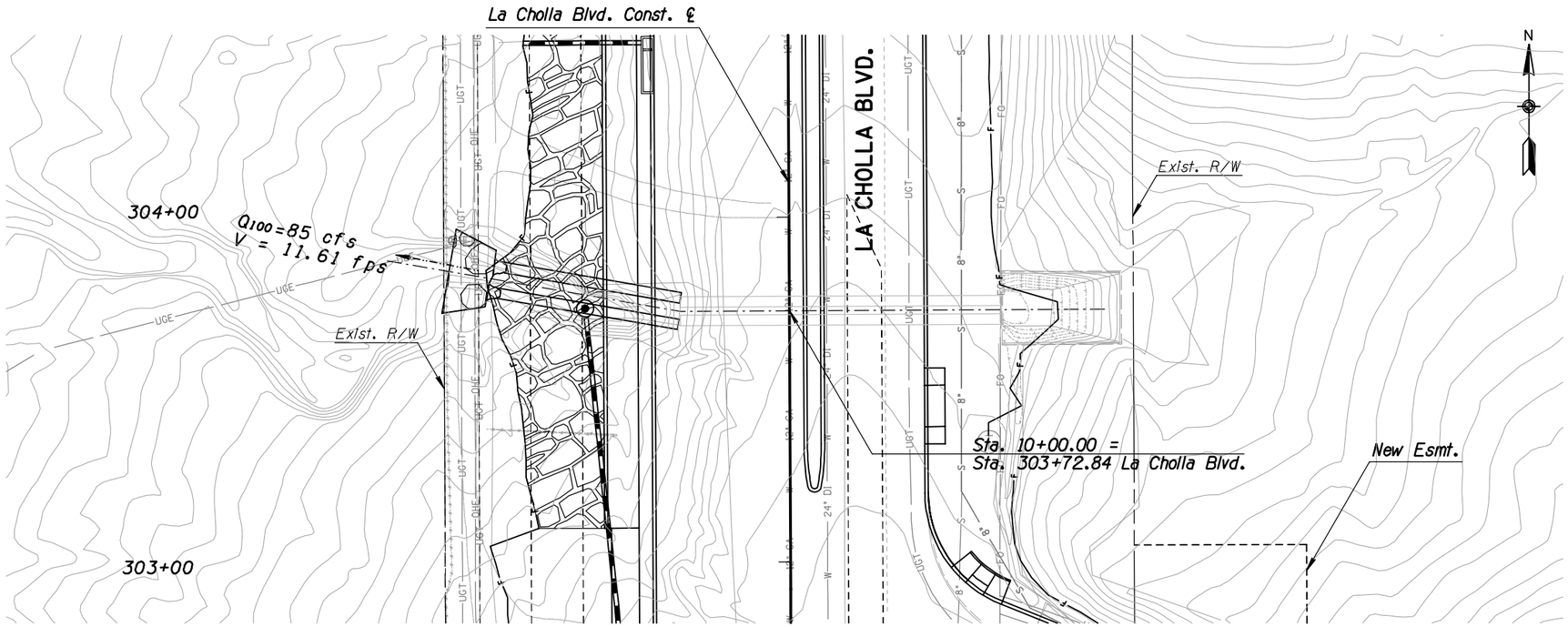
AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

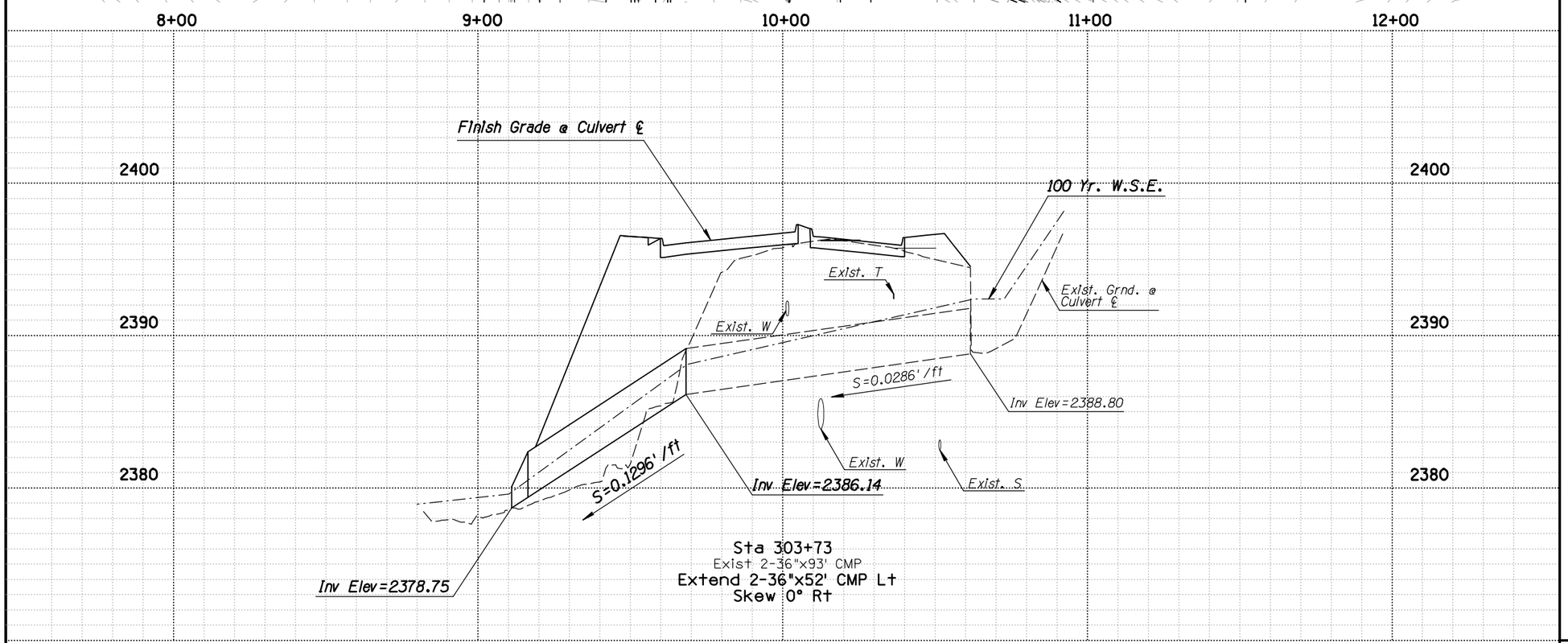
CROSS CULVERT PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

Scale Horiz. 1"= 20' Vert. 1"= 4' | Sheet CC02 of CC15 | Page 86 of 130

T:\99667 La Cholla\Prod\drn\Stage II Docs\99667drcc02.dgn 5/24/2010 10:58:13 AM

SilvesterK





Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

20' 0 20' 40'

Priscilla S. Cornello P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MK	05/10
Drawn	ES	05/10
Checked	EGM	05/10
Proj. Mgr.	EGM	05/10

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

CROSS CULVERT PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4R1LTM

Scale	Horiz. 1"= 20' Vert. 1"= 4'	Sheet CC03 of CC15	Page 87 of 130

5/24/2010 10:58:18 AM

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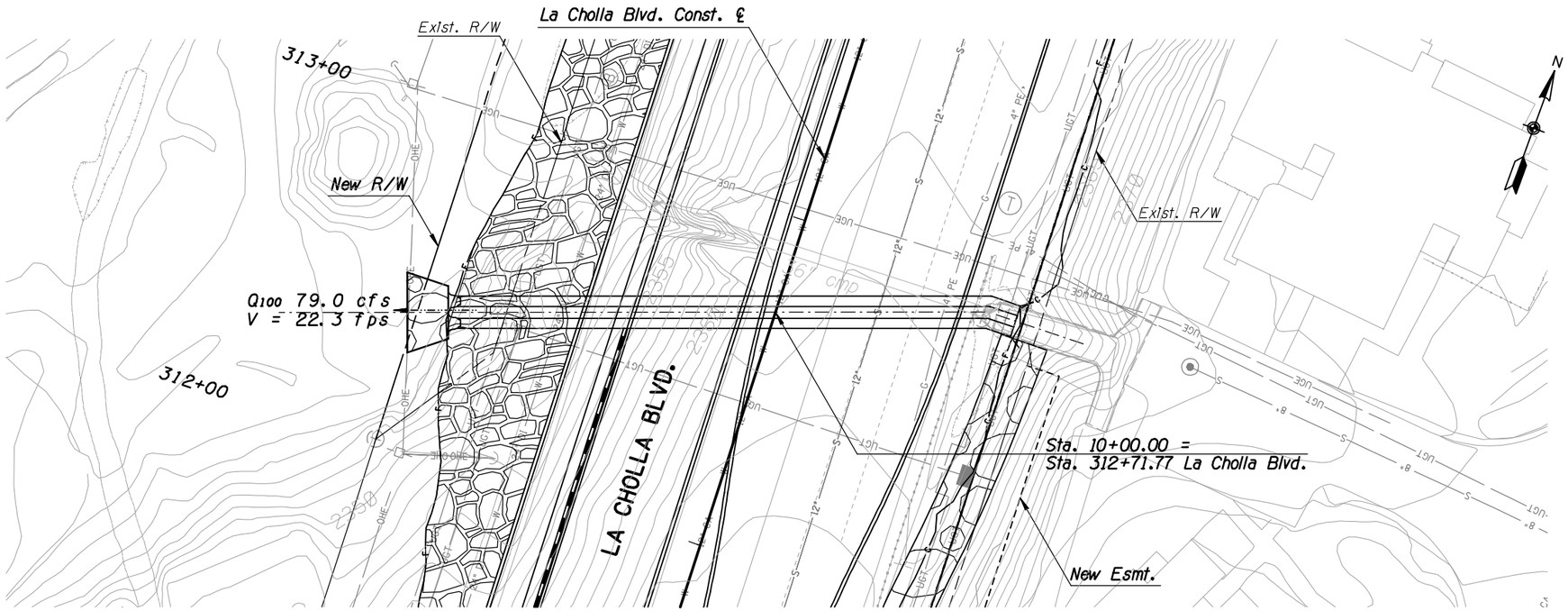
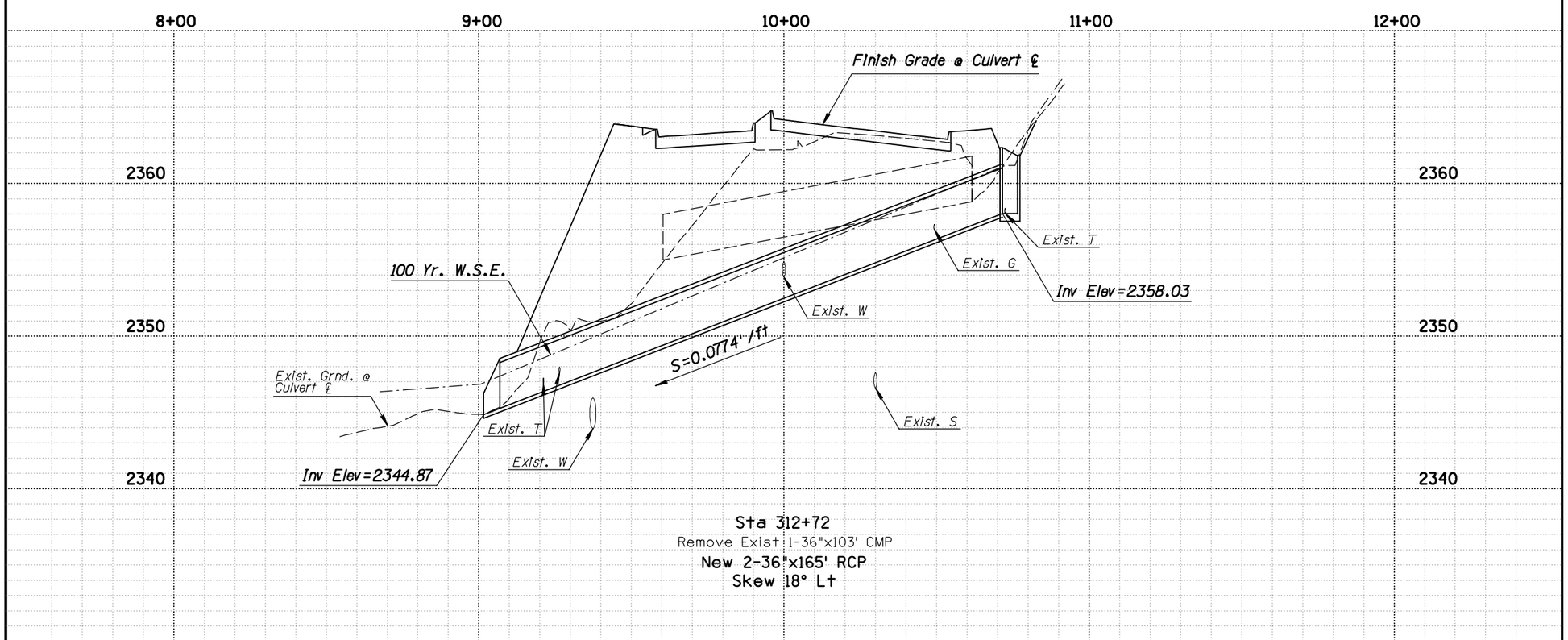
SilvesterK





Sta 312+72
Remove Exist 1-36"x103' CMP
New 2-36"x165' RCP
Skew 18° Lt

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

20' 0 20' 40'

Priscilla S. Cornello P.E., Director

Designed	MK	05/10
Drawn	ES	05/10
Checked	EGM	05/10
Proj. Mgr.	EGM	05/10

No.	Revision Description	Engineer	Date

STAGE II
PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

CROSS CULVERT PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4R1LTM

Scale Horiz. 1"= 20' Vert. 1"= 4' | Sheet CC04 of CC15 | Page 88 of 130

T:\99667 La Cholla\Prod\drn\Stage II Docs\99667drcc04.dgn 5/24/2010 10:58:23 AM

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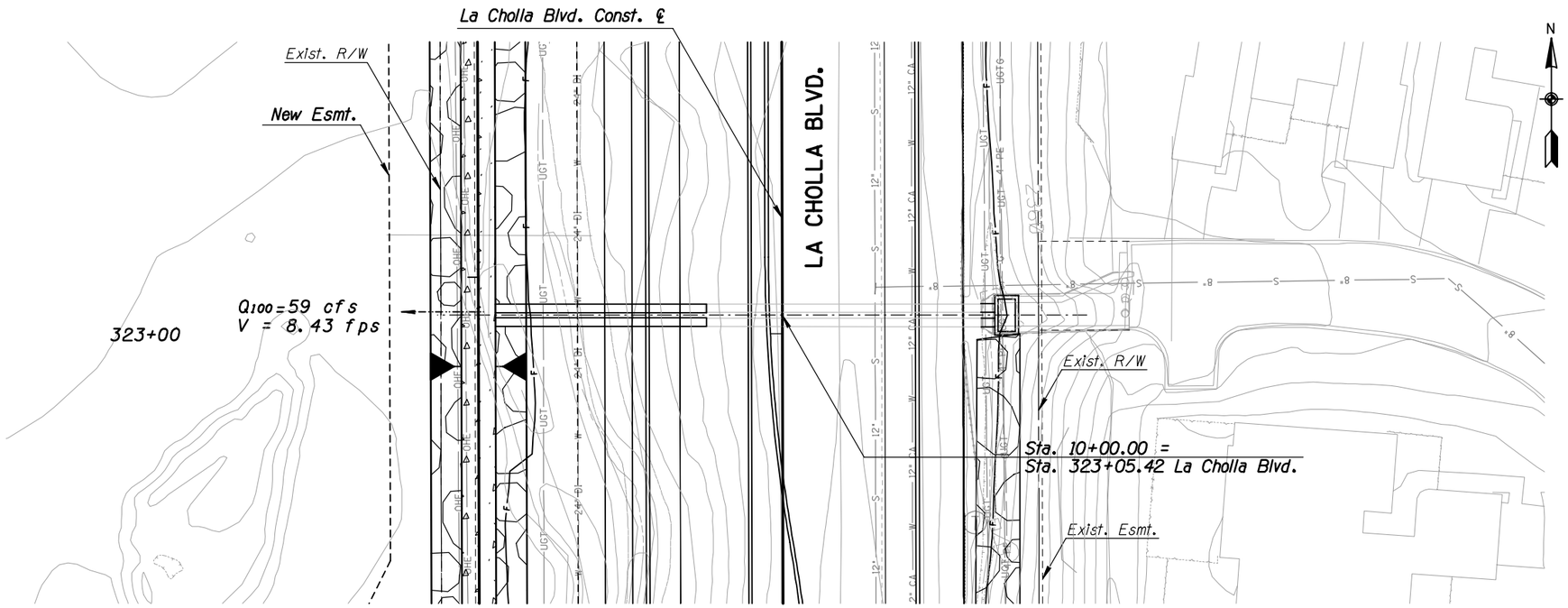

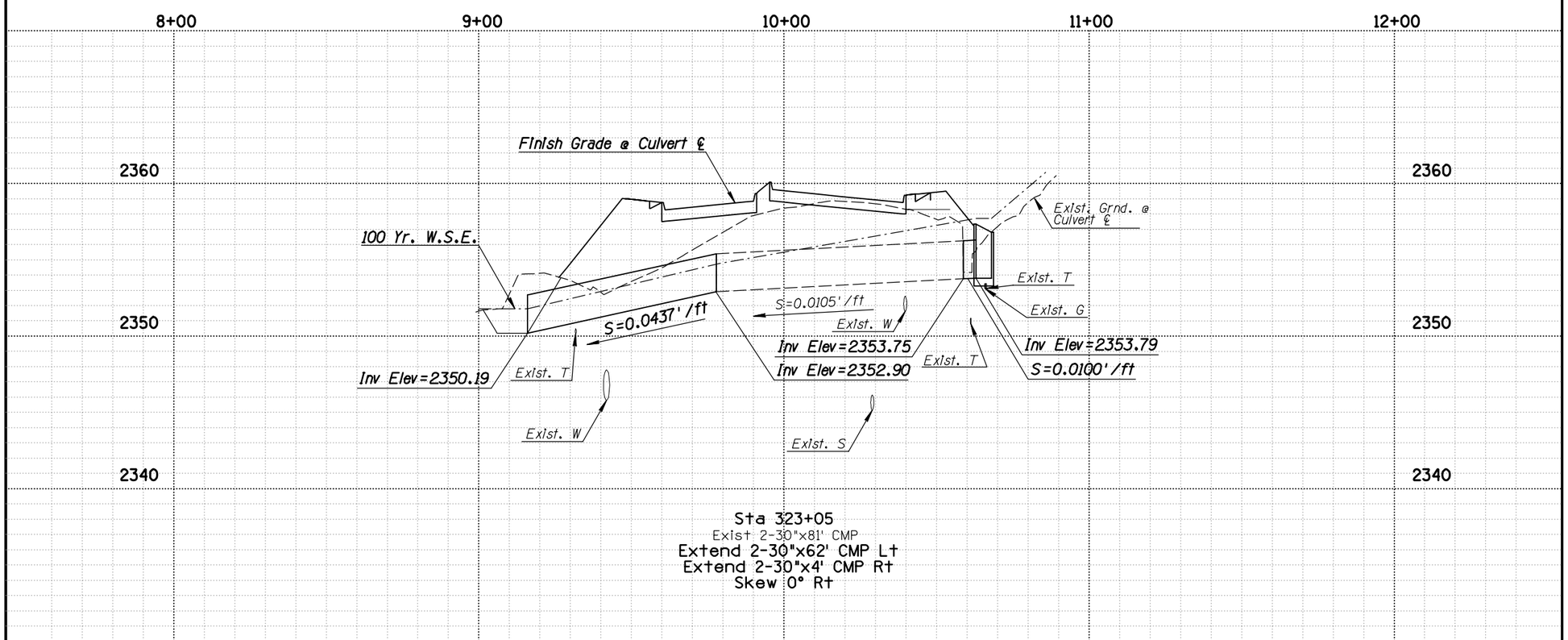

Sta 323+05
Exist 2-30"x81' CMP
Extend 2-30"x62' CMP Lt
Extend 2-30"x4' CMP Rt
Skew 0° Rt

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

20' 0 20' 40'

Priscilla S. Cornello P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MK	05/10
Drawn	ES	05/10
Checked	EGM	05/10
Proj. Mgr.	EGM	05/10

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

CROSS CULVERT PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4R1LTM

Scale Horiz. 1"= 20' Vert. 1"= 4' | Sheet CC05 of CC15 | Page 89 of 130

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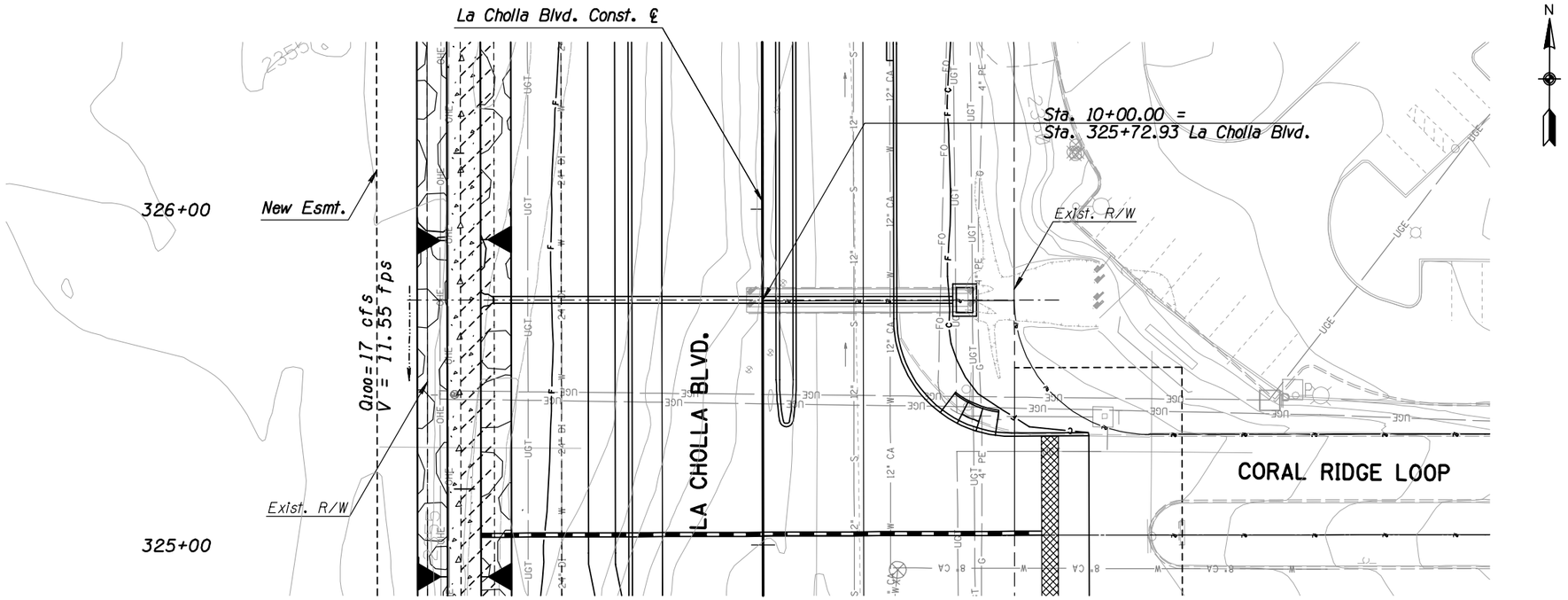
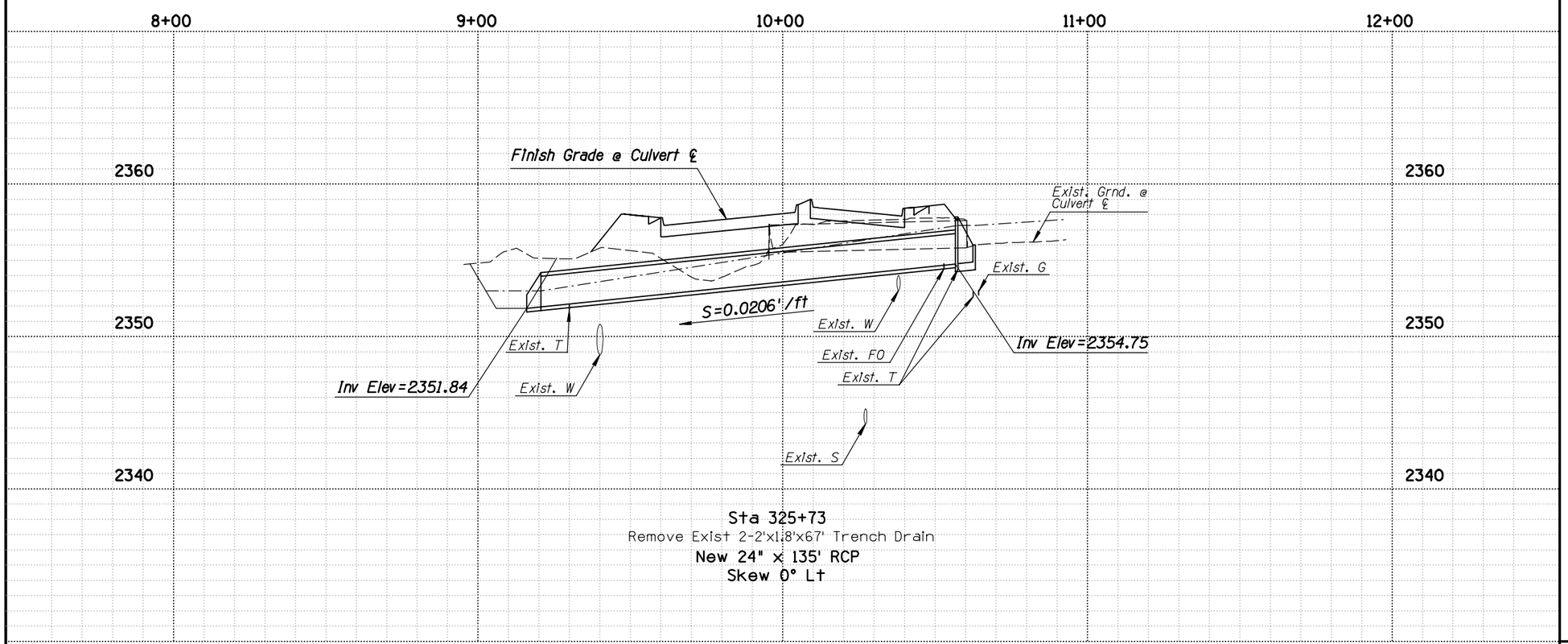
SilvesterK





Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

20' 0 20' 40'

Priscilla S. Cornello P.E., Director

Designed	MK	05/10
Drawn	ES	05/10
Checked	EGM	05/10
Proj. Mgr.	EGM	05/10

No.	Revision Description	Engineer	Date

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

CROSS CULVERT PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4R1LTM

Scale Horiz. 1"= 20' Vert. 1"= 4' | Sheet CC06 of CC15 | Page 90 of 130

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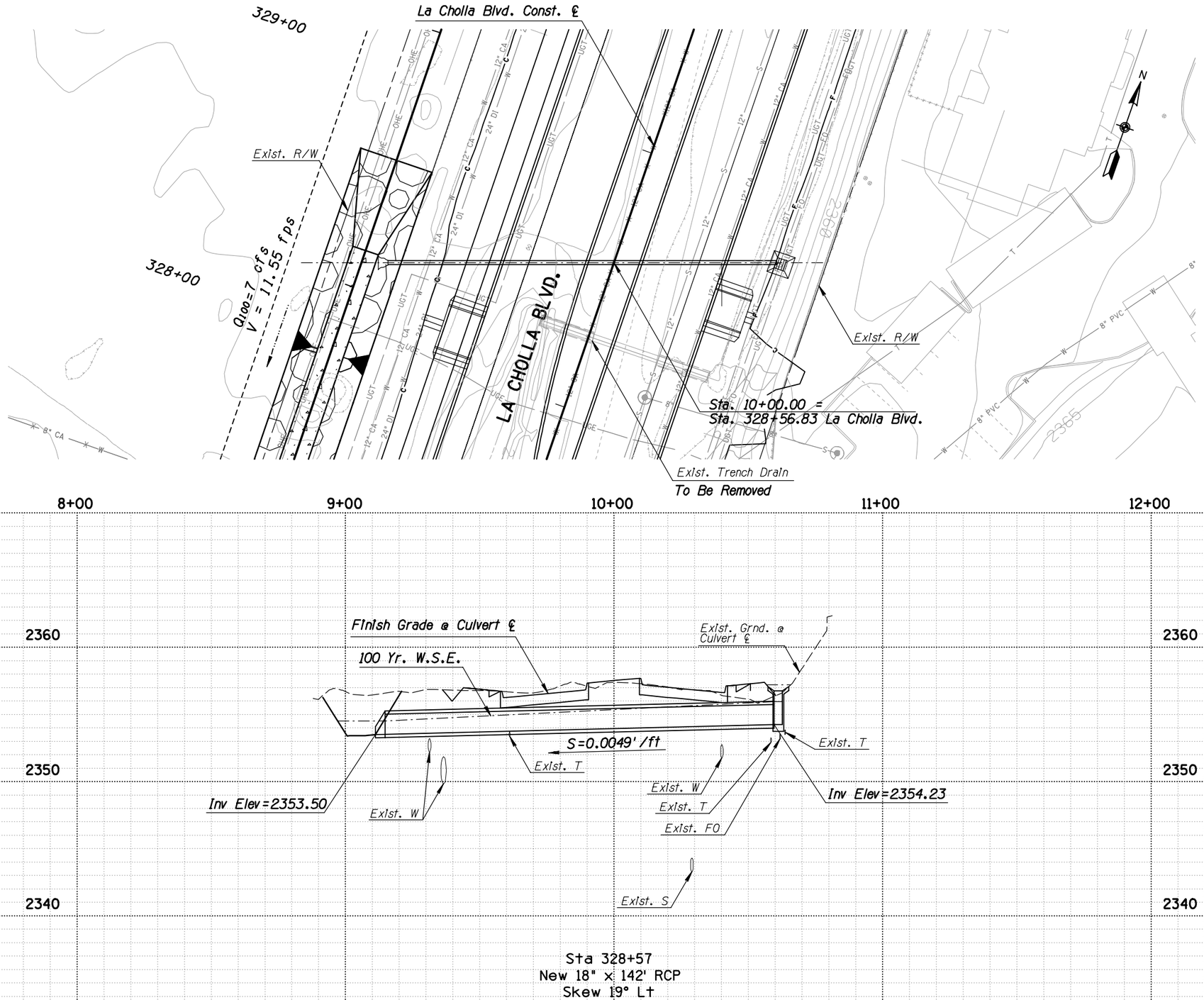

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

20' 0 20' 40'

Priscilla S. Cornello P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MK	05/10
Drawn	ES	05/10
Checked	EGM	05/10
Proj. Mgr.	EGM	05/10

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

CROSS CULVERT PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4R1LTM

Scale Horiz. 1"= 20' Vert. 1"= 4' | Sheet CC07 of CC15 | Page 91 of 130

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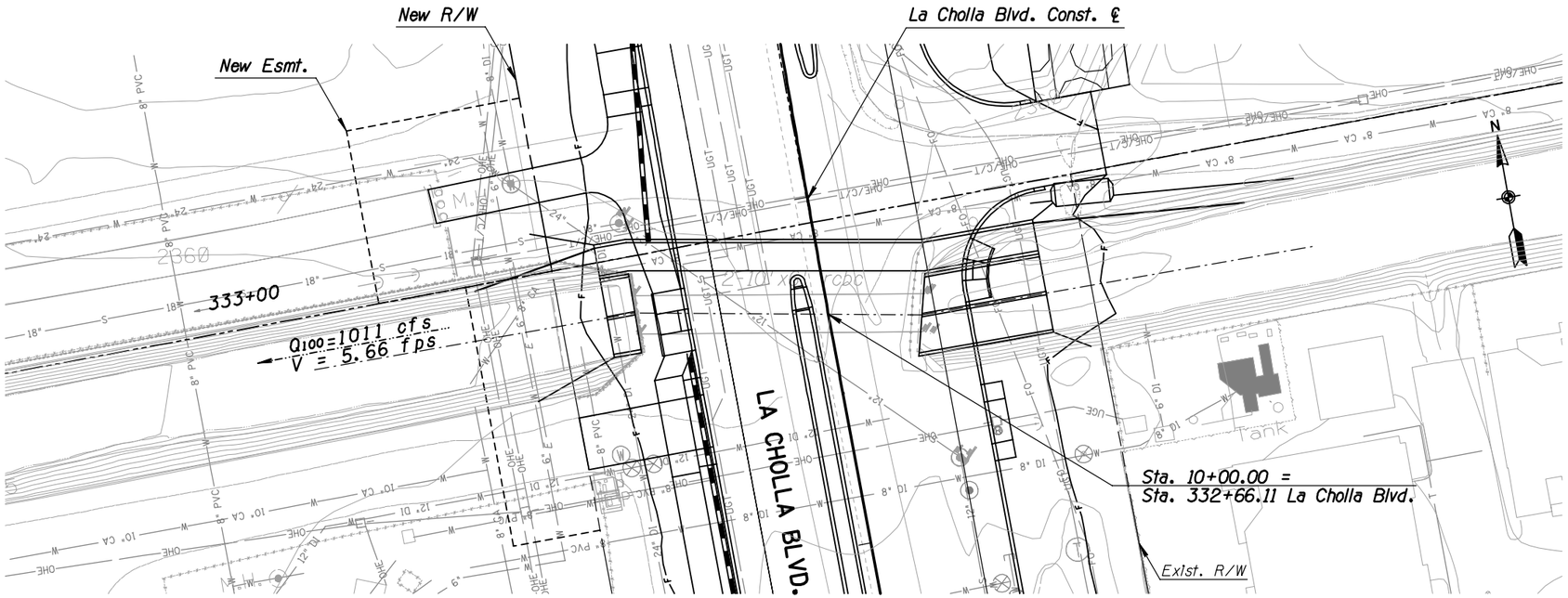
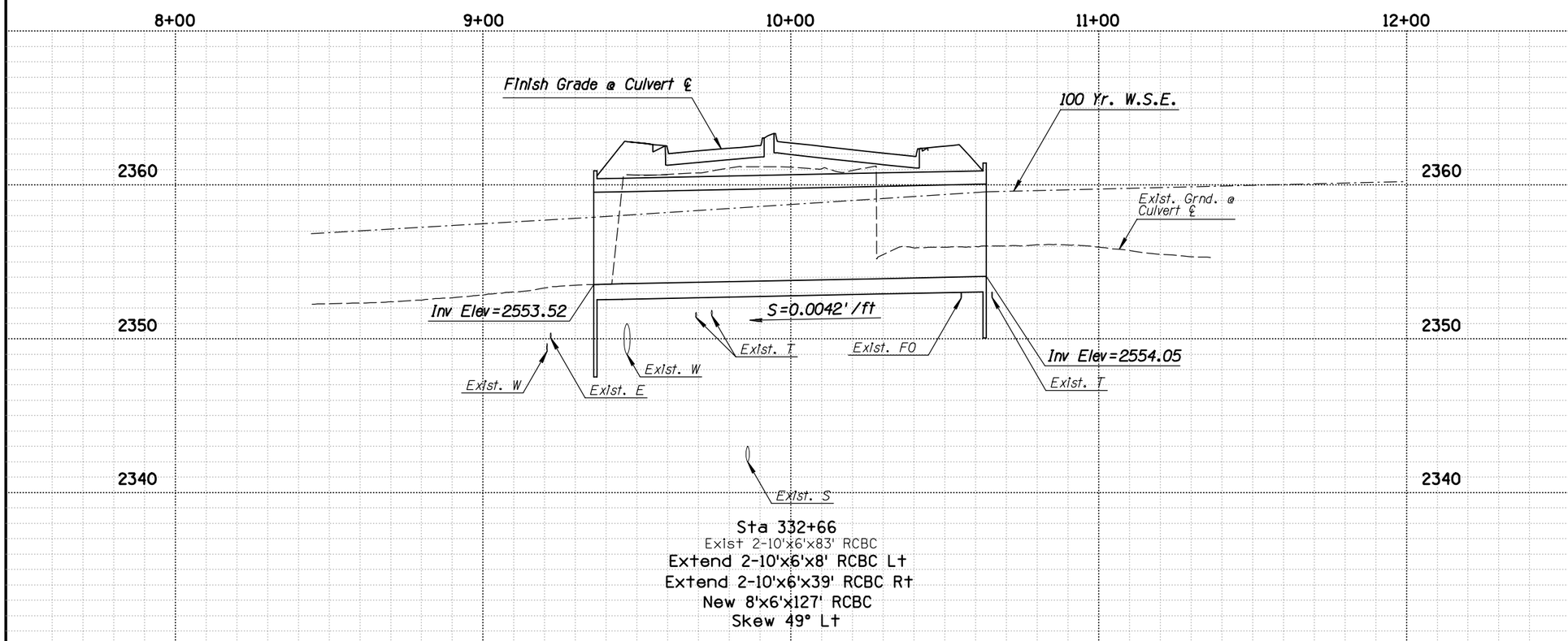
SilvesterK





Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

20' 0 20' 40'

Priscilla S. Cornello P.E., Director

Designed	MK	05/10
Drawn	ES	05/10
Checked	EGM	05/10
Proj. Mgr.	EGM	05/10

No.	Revision Description	Engineer	Date

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

CROSS CULVERT PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

Scale	Horiz. 1"= 20' Vert. 1"= 4'	Sheet CC08 of CC15	Page 92 of 130

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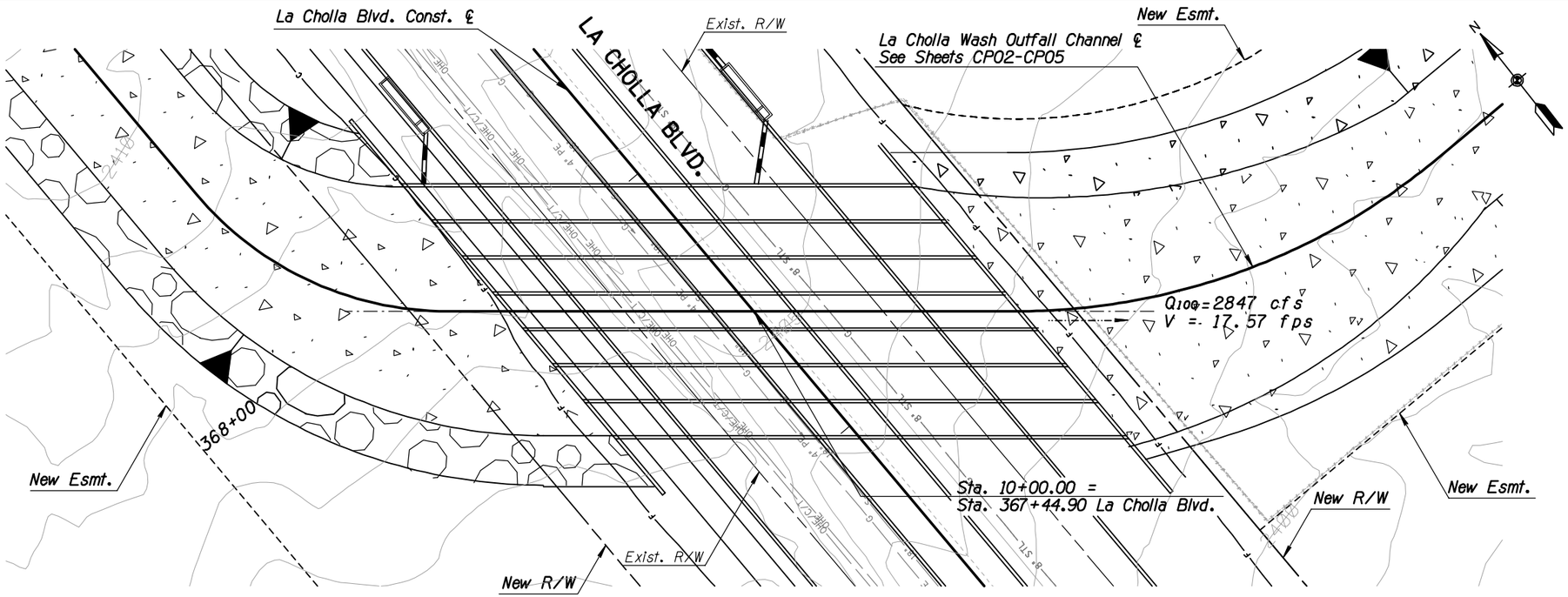
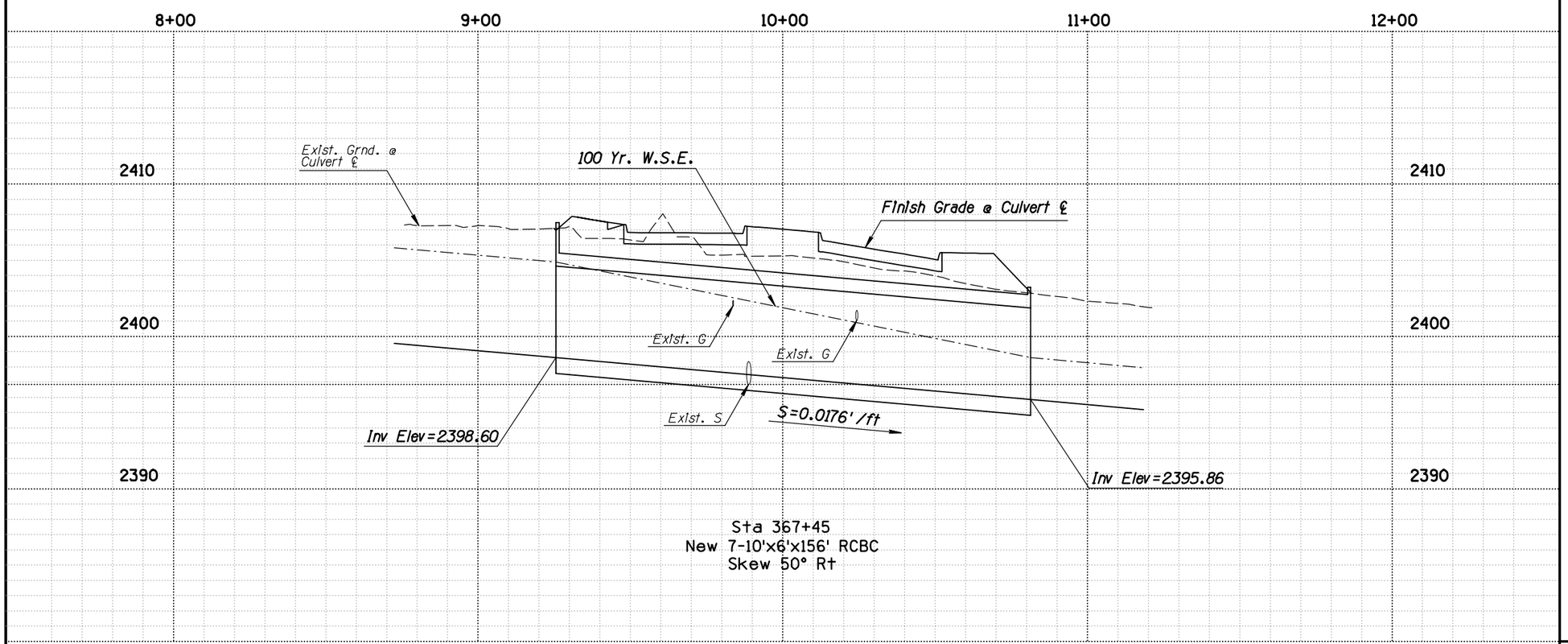
SilvesterK





Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

20' 0 20' 40'

Priscilla S. Cornello P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MK	05/10
Drawn	ES	05/10
Checked	EGM	05/10
Proj. Mgr.	EGM	05/10

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

CROSS CULVERT PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4R1LTM

Scale Horiz. 1"= 20' Vert. 1"= 4' | Sheet CC09 of CC15 | Page 93 of 130

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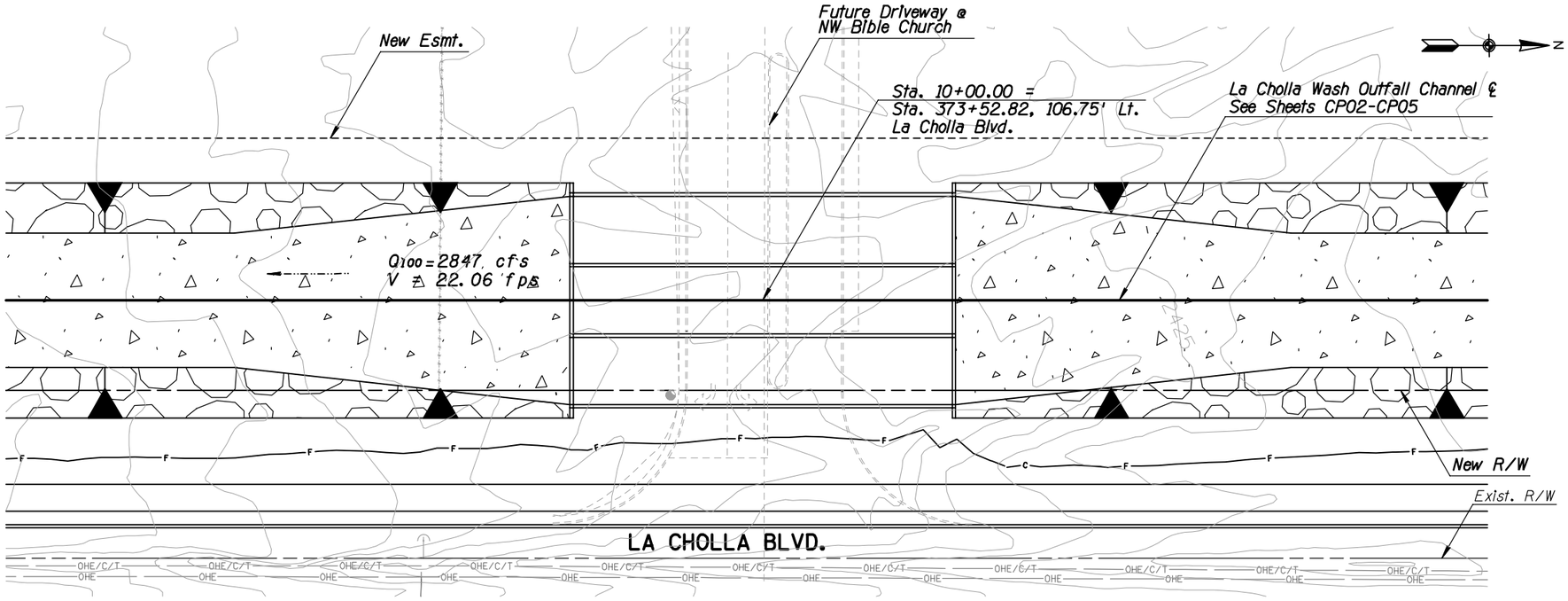
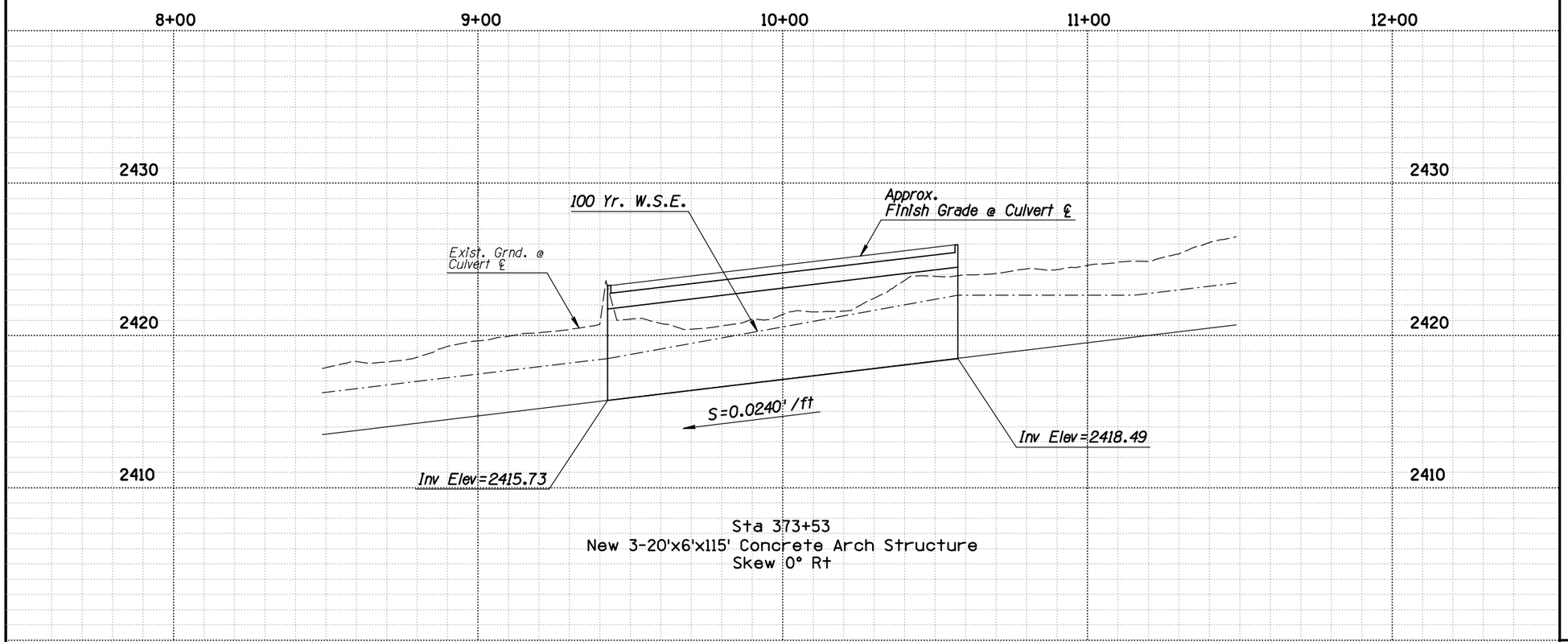
SilvesterK





Sta 373+53
New 3-20'x6'x115' Concrete Arch Structure
Skew 0° Rt

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

20' 0 20' 40'

Priscilla S. Cornello P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MK	05/10
Drawn	ES	05/10
Checked	EGM	05/10
Proj. Mgr.	EGM	05/10

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

CROSS CULVERT PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4R1LTM

Scale Horiz. 1"= 20' Vert. 1"= 4' | Sheet CC10 of CC15 | Page 94 of 130

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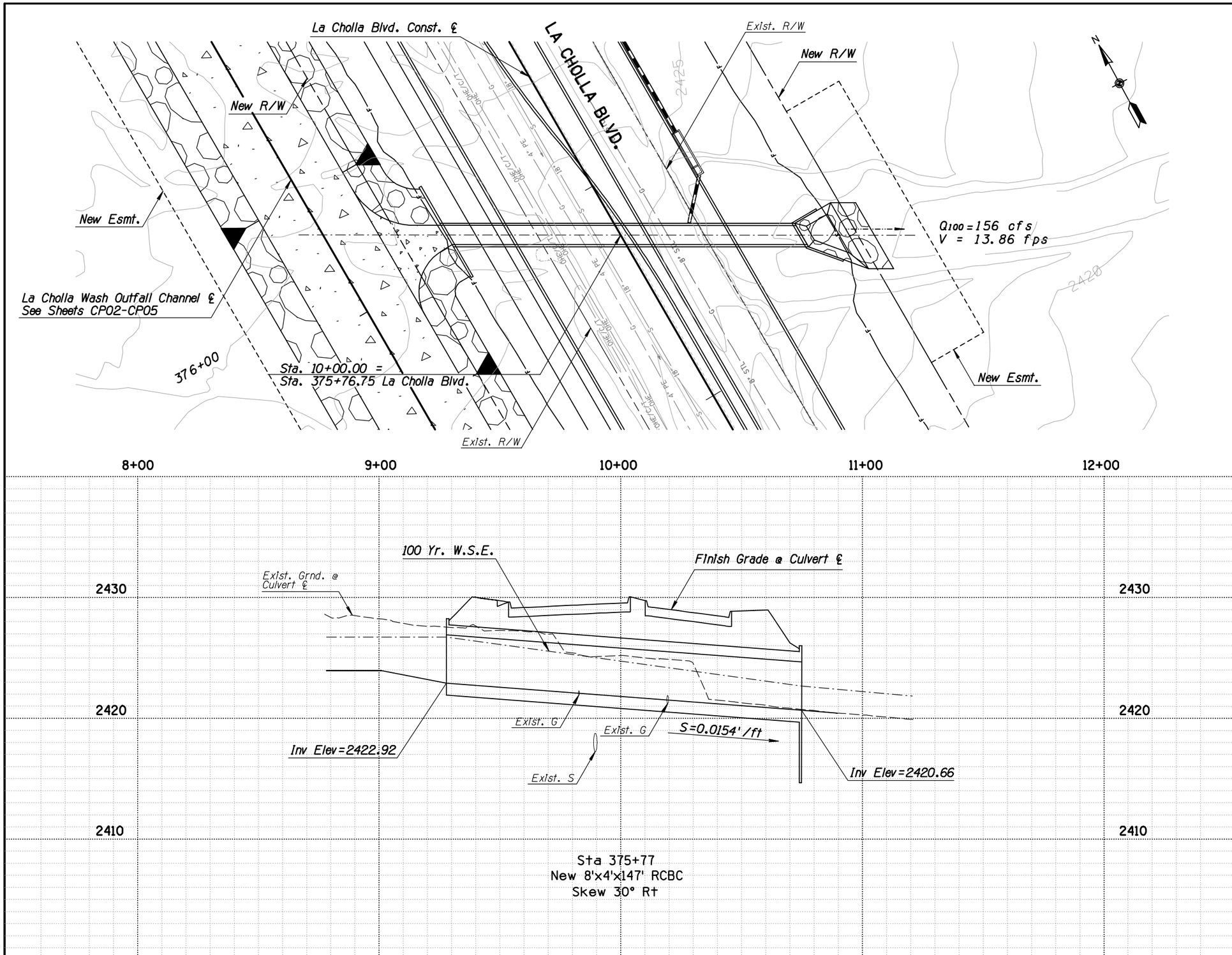
SilvesterK



Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

20' 0 20' 40'

Priscilla S. Cornello P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MK	05/10
Drawn	ES	05/10
Checked	EGM	05/10
Proj. Mgr.	EGM	05/10

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

CROSS CULVERT PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4R1LTM

Scale	Horiz. 1"= 20' Vert. 1"= 4'	Sheet CC11 of CC15	Page 95 of 130

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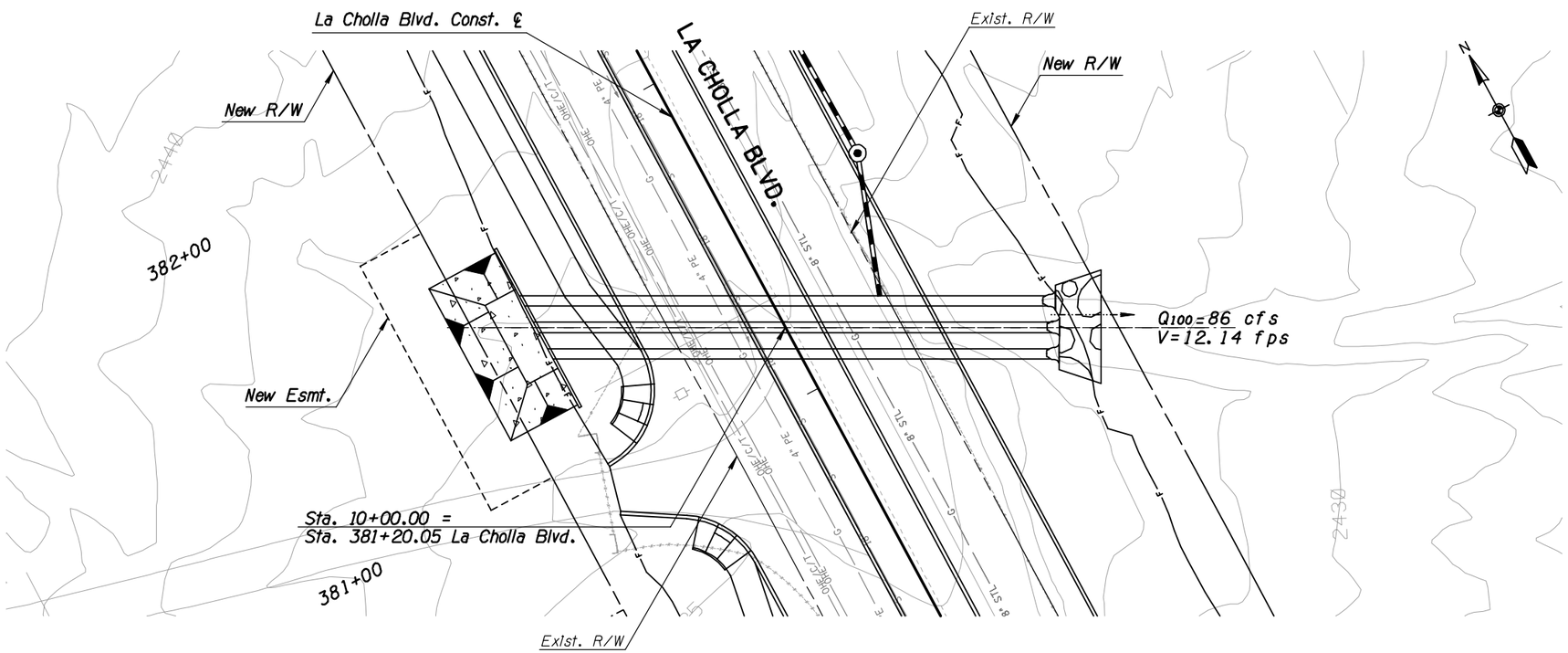
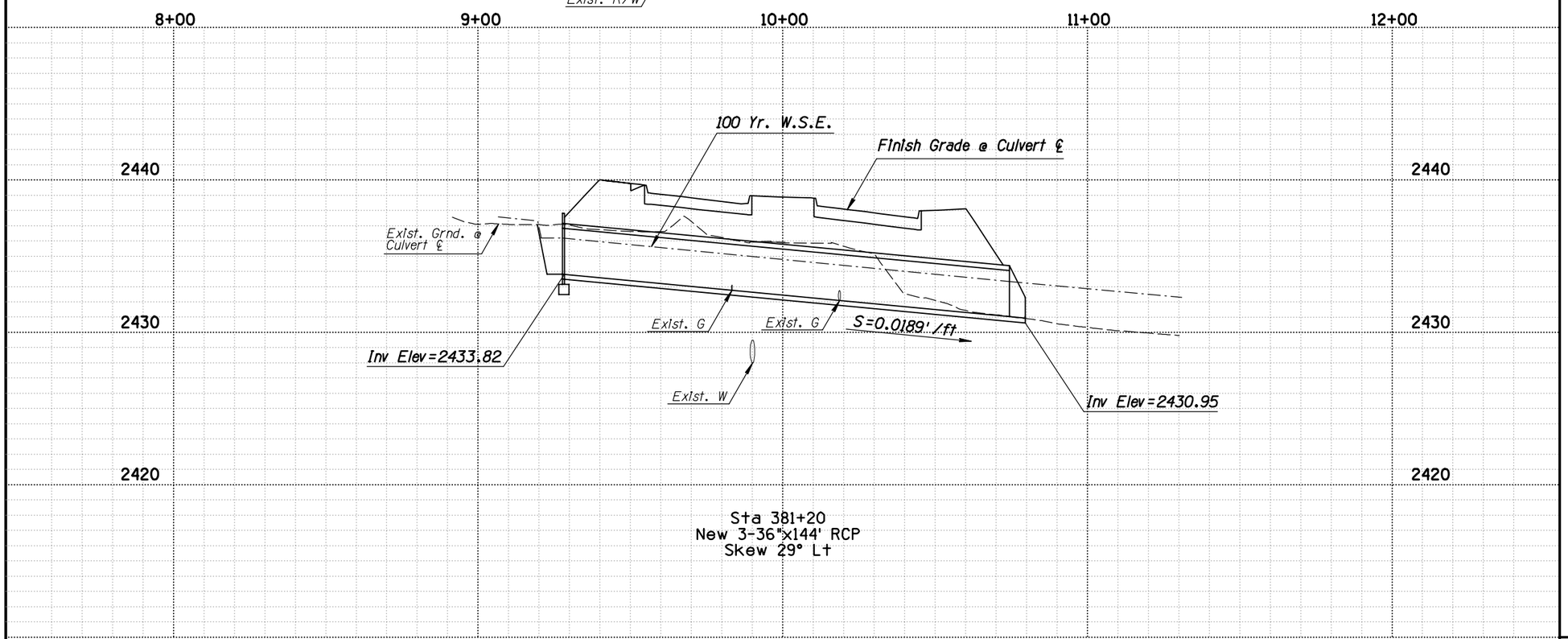
SilvesterK





Sta 381+20
New 3-36"x144' RCP
Skew 29° Lt

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

20' 0 20' 40'

Scale Horiz. 1"= 20' Vert. 1"= 4'

Sheet CC12 of CC15

Page 96 of 130

Priscilla S. Cornello P.E., Director

Designed	MK	05/10
Drawn	ES	05/10
Checked	EGM	05/10
Proj. Mgr.	EGM	05/10

No.	Revision Description	Engineer	Date

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
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CROSS CULVERT PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4R1LTM

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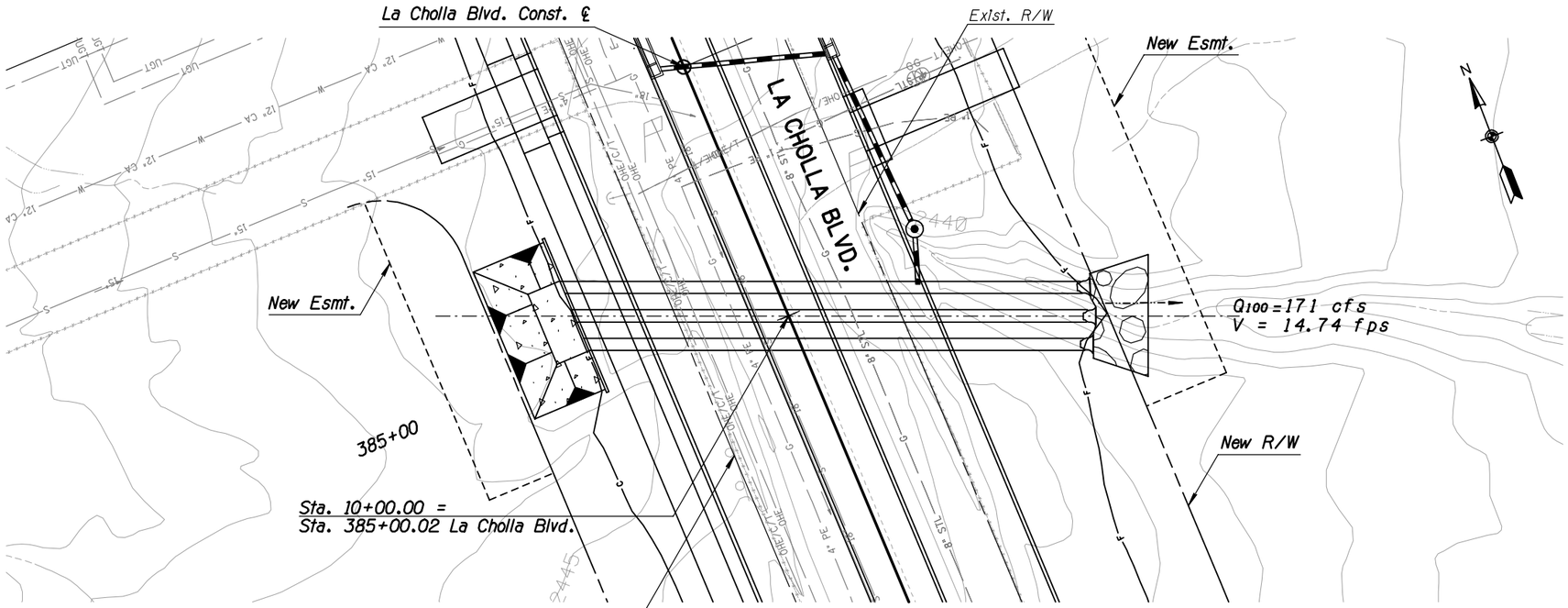

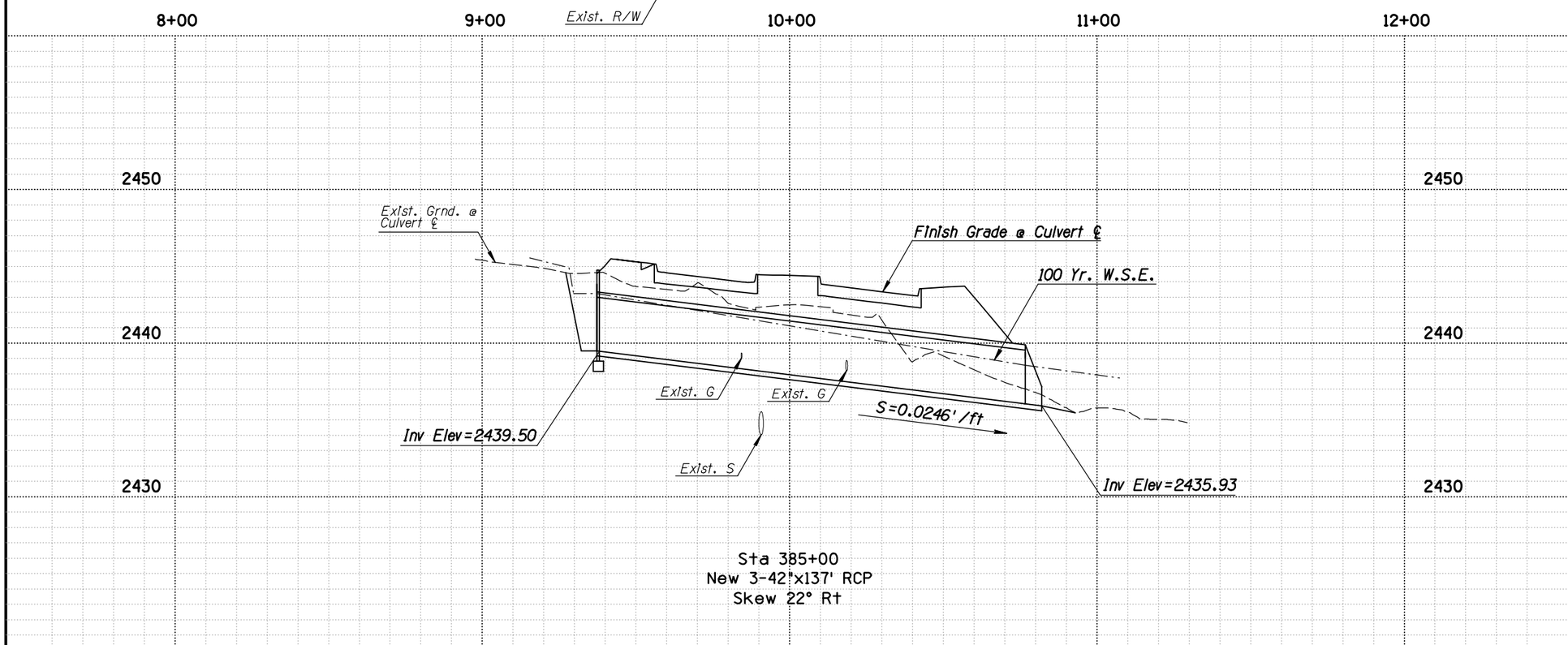

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

20' 0 20' 40'

Priscilla S. Cornello P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MK	05/10
Drawn	ES	05/10
Checked	EGM	05/10
Proj. Mgr.	EGM	05/10

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

CROSS CULVERT PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4R1LTM

Scale Horiz. 1"= 20' Vert. 1"= 4' | Sheet CC13 of CC15 | Page 97 of 130

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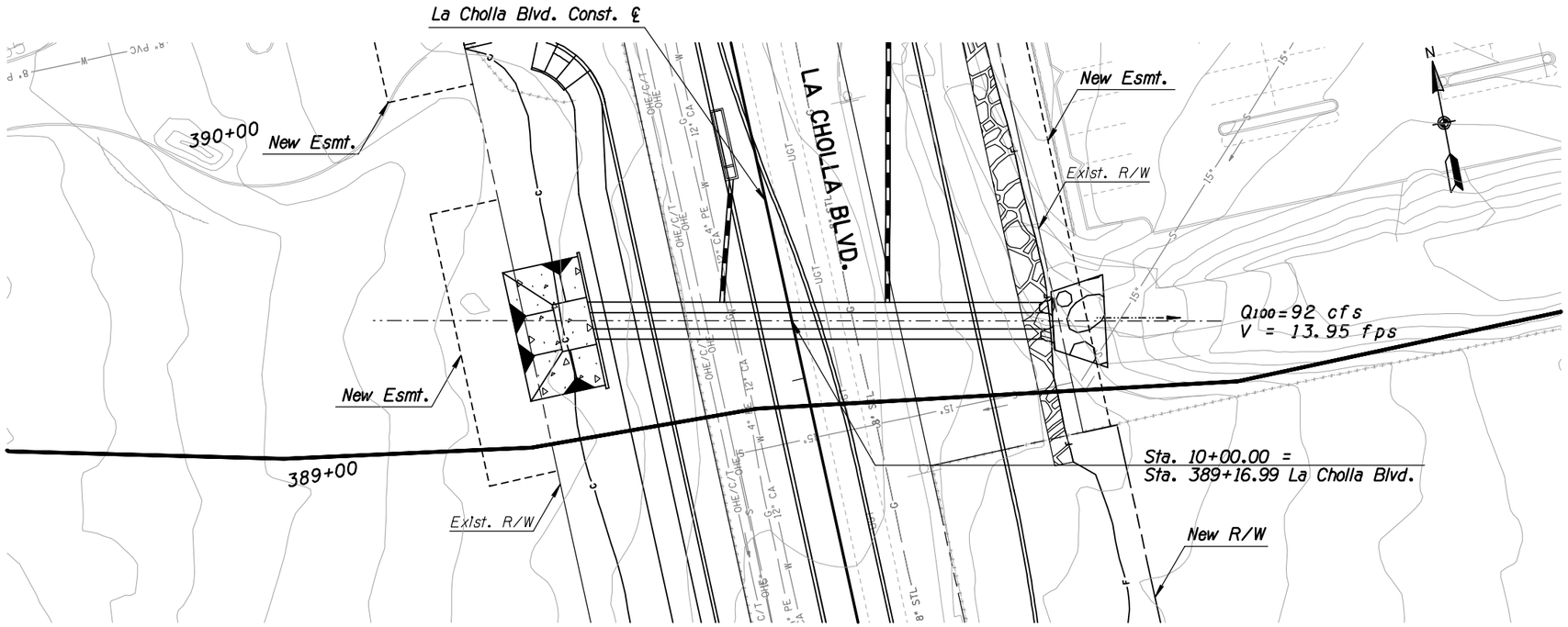

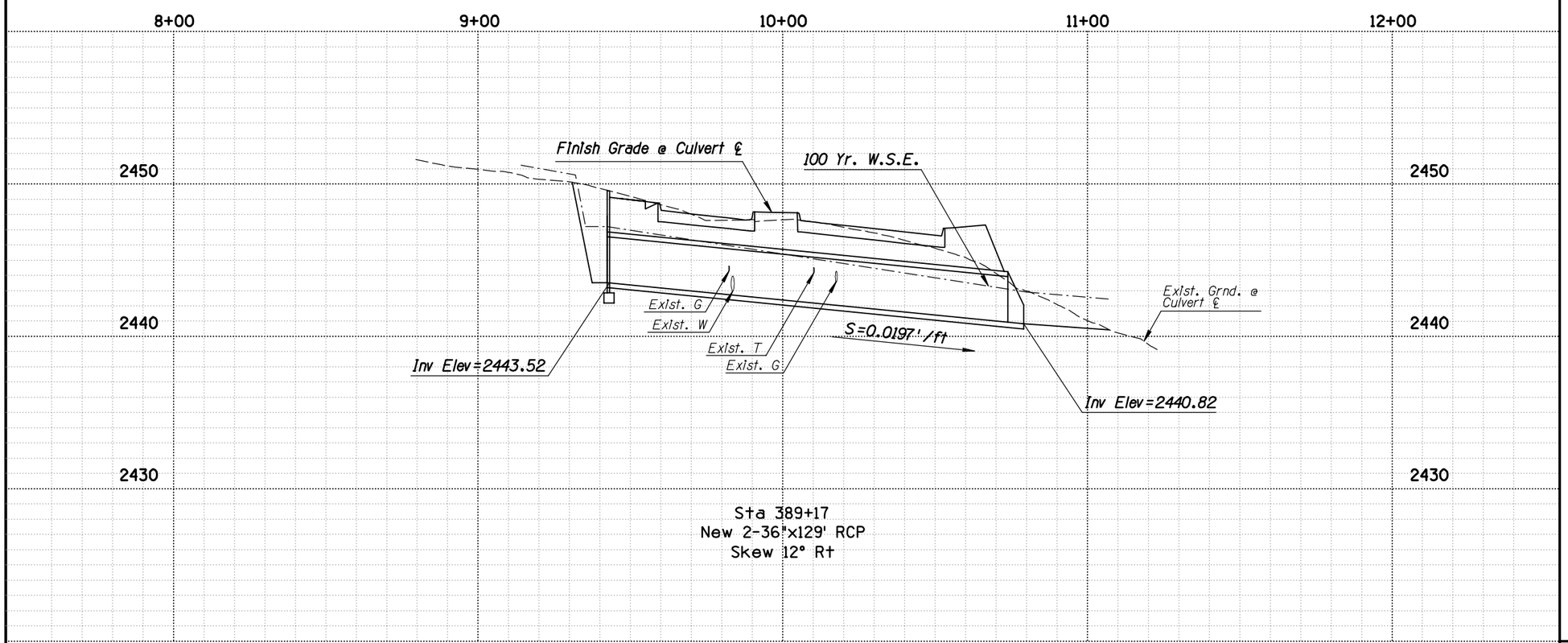

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

20' 0 20' 40'

Priscilla S. Cornello P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MK	05/10
Drawn	ES	05/10
Checked	EGM	05/10
Proj. Mgr.	EGM	05/10

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

CROSS CULVERT PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4R1LTM

Scale Horiz. 1"= 20' Vert. 1"= 4' | Sheet CC14 of CC15 | Page 98 of 130

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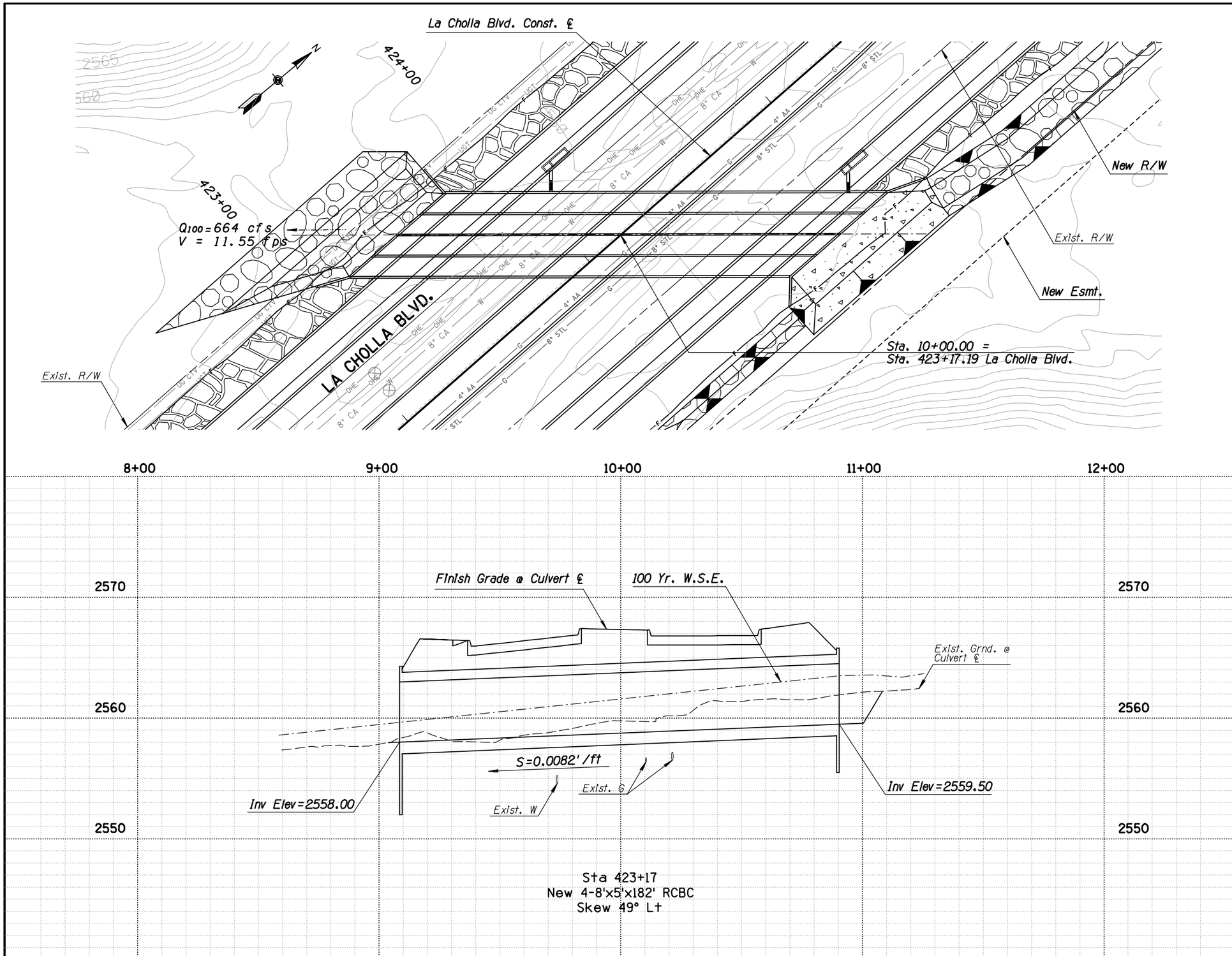

Priscilla S. Cornello P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MK	05/10
Drawn	ES	05/10
Checked	EGM	05/10
Proj. Mgr.	EGM	05/10

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

CROSS CULVERT PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4R1LTM

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

20' 0 20' 40'

Scale Horiz. 1"= 20' Vert. 1"= 4'

Sheet CC15 of CC15

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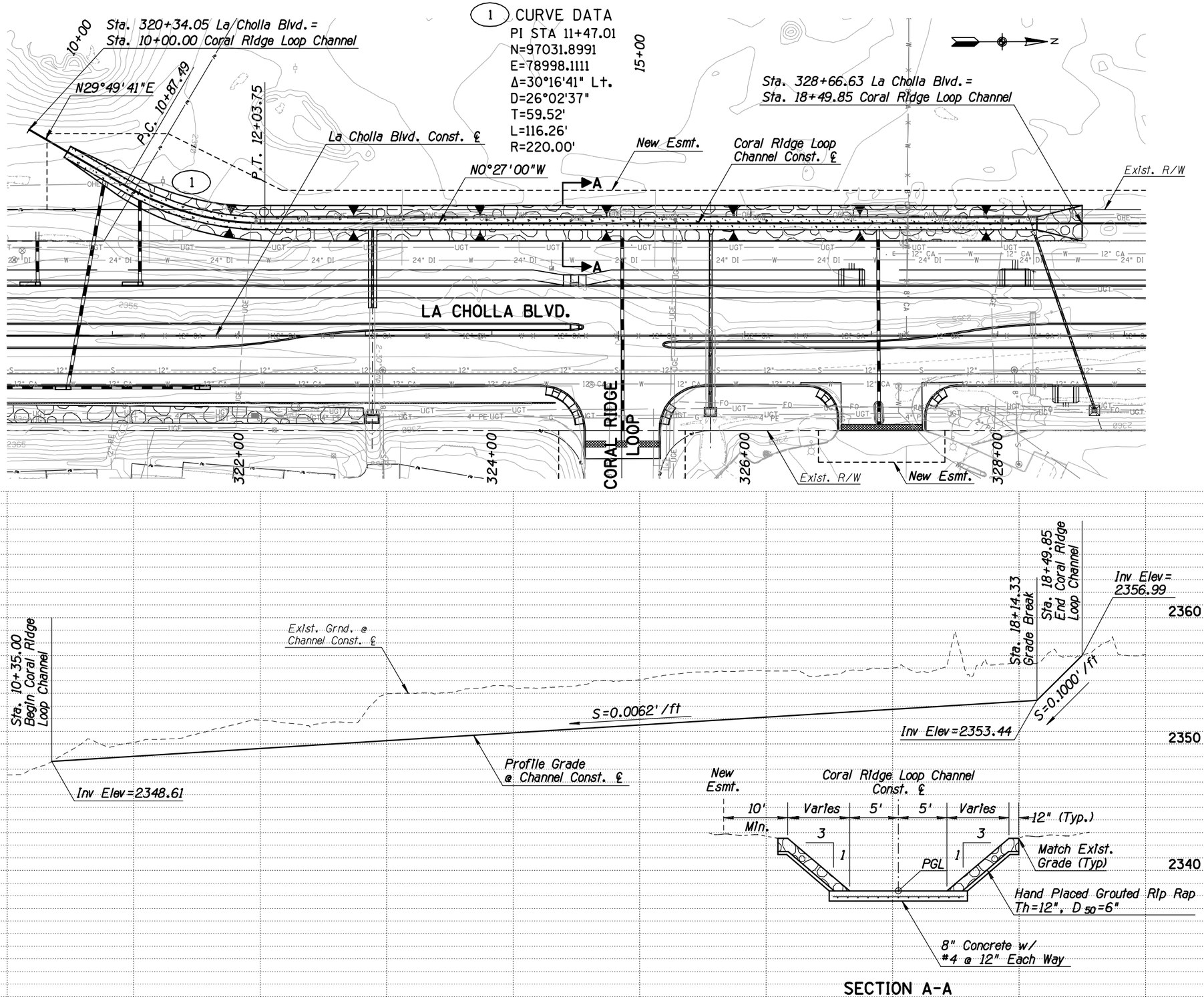

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Priscilla S. Cornello P.E., Director

Designed	KS	05/10
Drawn	KS	05/10
Checked	EGM	05/10
Proj. Mgr.	EGM	05/10

No.	Revision Description	Engineer	Date

STAGE II
PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

CHANNEL PLAN AND PROFILE
CORAL RIDGE LOOP CHANNEL
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

Scale	Horiz. 1"= 40	Sheet CP01 of CP05	Page 100 of 130
	Vert. 1"= 4		

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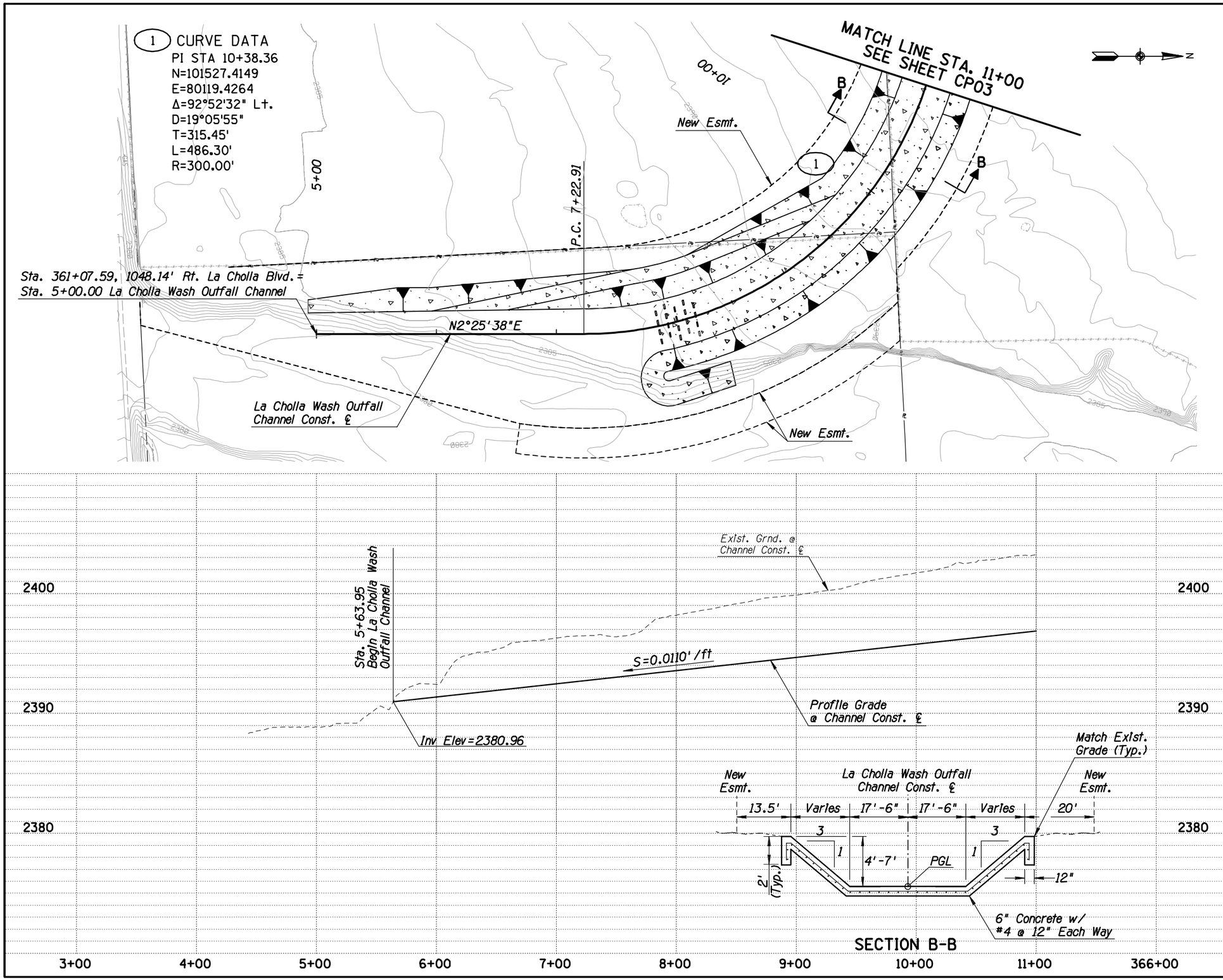

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Priscilla S. Cornello P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	KS	05/10
Drawn	KS	05/10
Checked	EGM	05/10
Proj. Mgr.	EGM	05/10

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

CHANNEL PLAN AND PROFILE
LA CHOLLA WASH OUTFALL CHANNEL
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

Scale	Horiz. 1"= 40	Sheet CP02 of CP05	Page 101 of 130
	Vert. 1"= 4		

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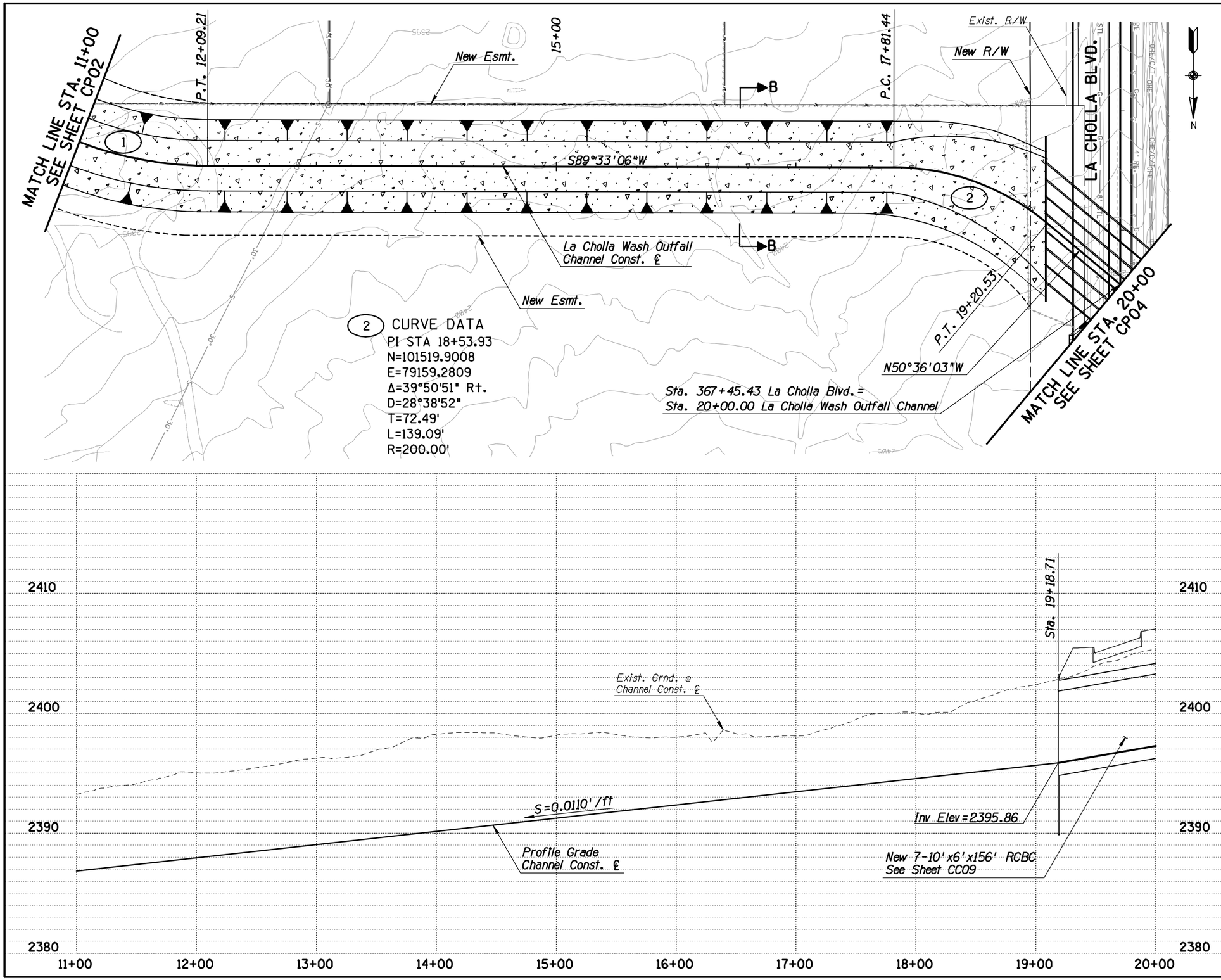

See Sheet CP02 for Channel Section B-B

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Priscilla S. Cornello P.E., Director

Designed	KS	05/10
Drawn	KS	05/10
Checked	EGM	05/10
Proj. Mgr.	EGM	05/10

No.	Revision Description	Engineer	Date

STAGE II

PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

CHANNEL PLAN AND PROFILE
LA CHOLLA WASH OUTFALL CHANNEL
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

Scale Horiz. 1"= 40 Vert. 1"= 4 | Sheet CP03 of CP05 | Page 102 of 130

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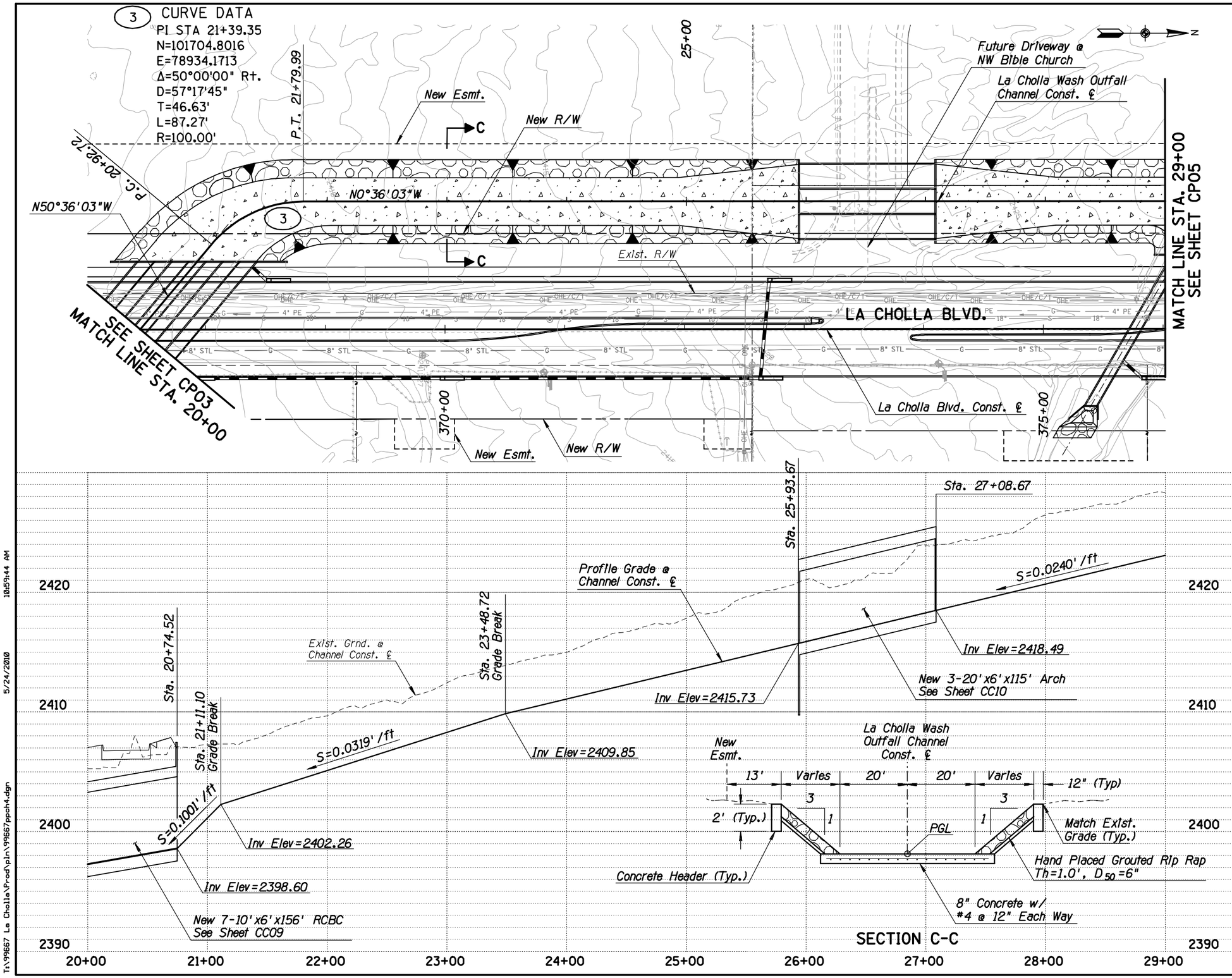

Priscilla S. Cornello P.E., Director

Designed	KS	05/10
Drawn	KS	05/10
Checked	EGM	05/10
Proj. Mgr.	EGM	05/10

No.	Revision Description	Engineer	Date

STAGE II
PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

CHANNEL PLAN AND PROFILE
LA CHOLLA WASH OUTFALL CHANNEL
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTL TM

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40	Sheet CP04 of CP05	Page 103 of 130
	Vert. 1"= 4		

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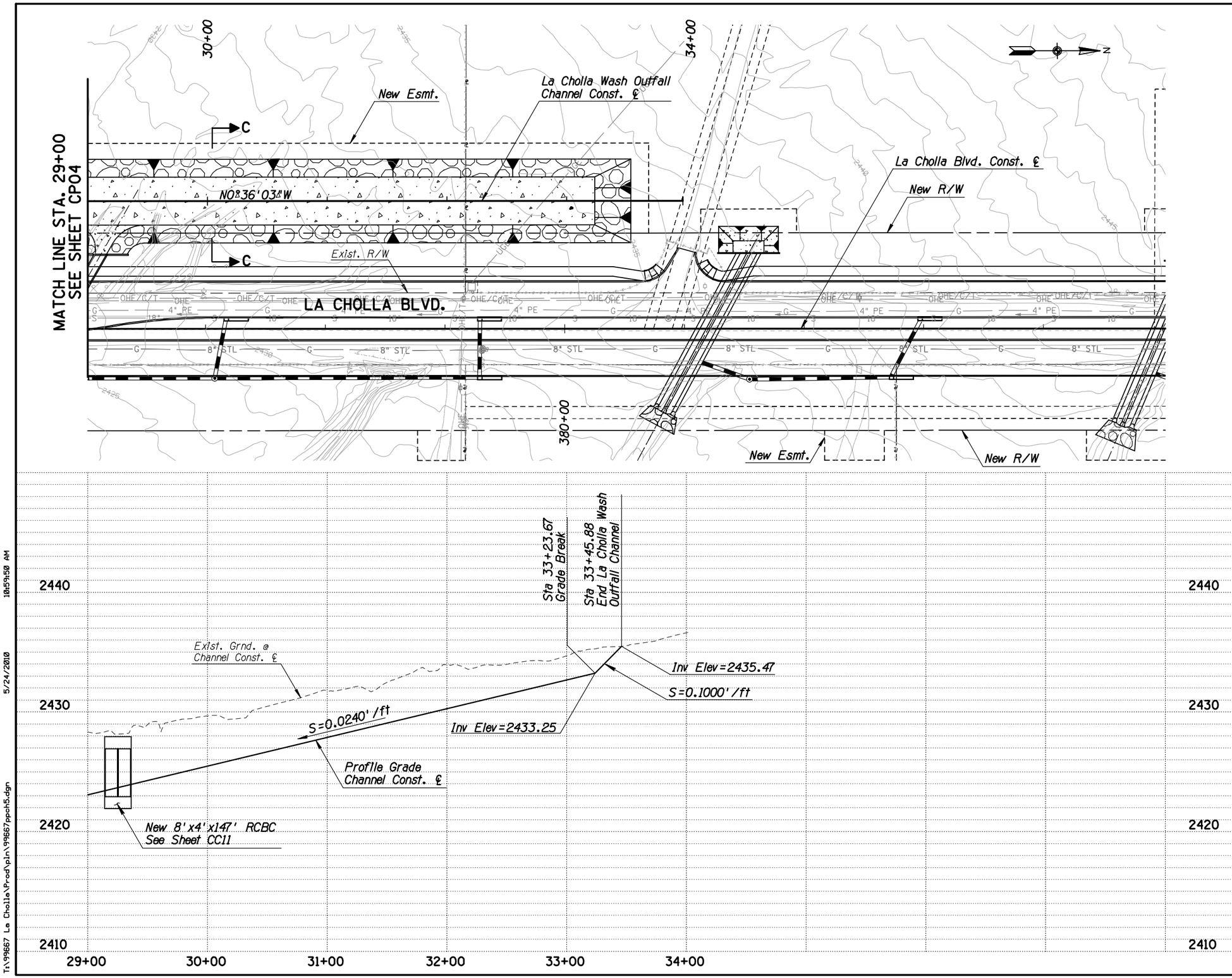

See Sheet CP04 for Channel Section C-C

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Priscilla S. Cornello P.E., Director

Designed	KS	05/10
Drawn	KS	05/10
Checked	EGM	05/10
Proj. Mgr.	EGM	05/10

No.	Revision Description	Engineer	Date

STAGE II
PRELIMINARY-NOT FOR CONSTRUCTION

AECOM
1860 E RIVER RD
SUITE 300
TUCSON, AZ. 85718
(520) 299-8700
www.aecom.com

CHANNEL PLAN AND PROFILE
LA CHOLLA WASH OUTFALL CHANNEL
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

Scale	Horiz. 1"= 40	Sheet CP05 of CP05	Page 104 of 130
	Vert. 1"= 4		

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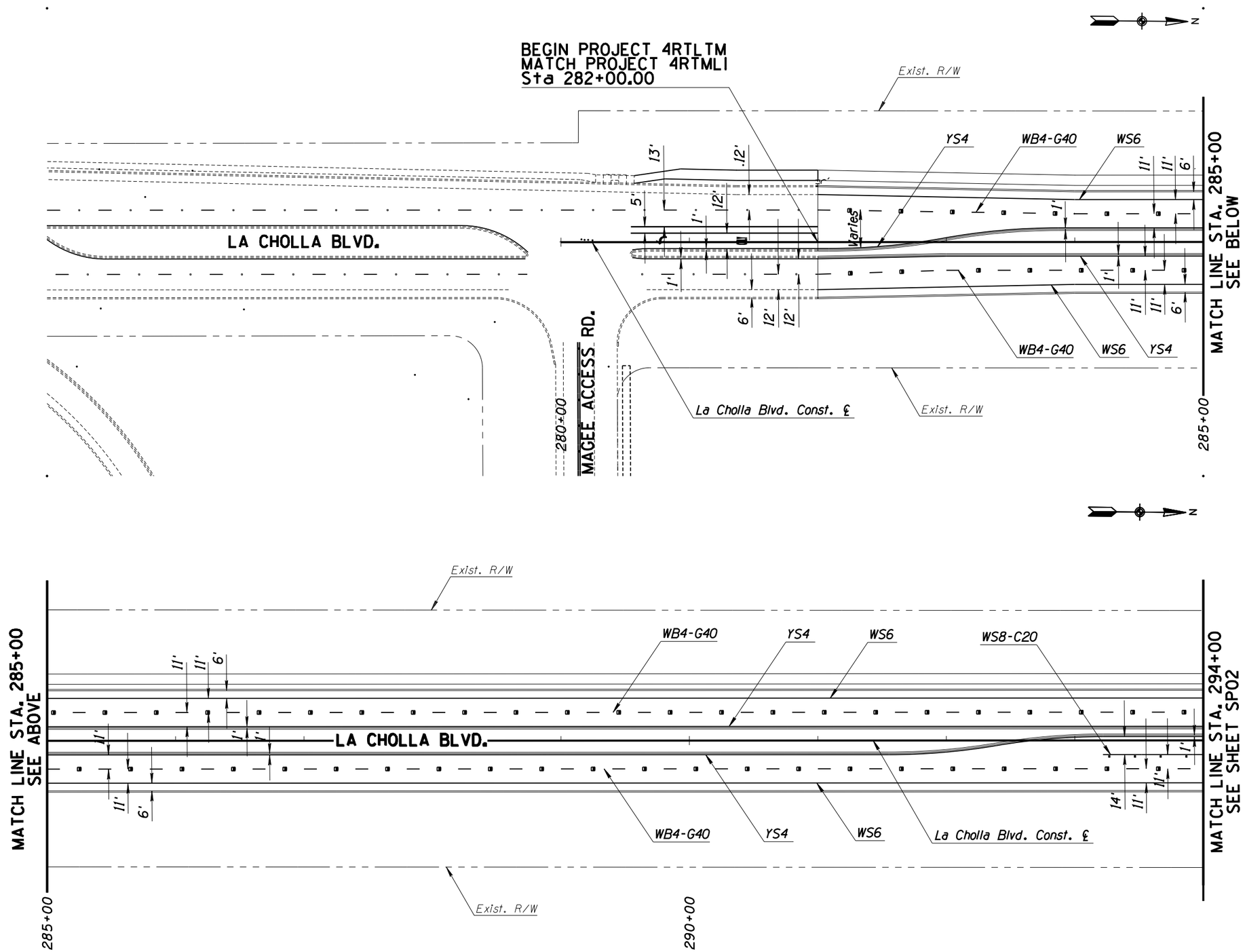

Notes:

See PCDOT and TDOT Traffic Engineering Division Pavement Marking Standards 2-8.5-14.5-15 for Stop Bar/Crosswalk Details. Also, see Dtl. 4-12 for Pavement Marking Symbol Design.

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40' Vert. 1"= NA

Sheet SP01 of SP10

Page 105 of 130

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL

PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

Pima County Department of Transportation

STRIPING PLANS
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 282+00 TO STA. 294+00
PROJECT NO. 4RTLTM

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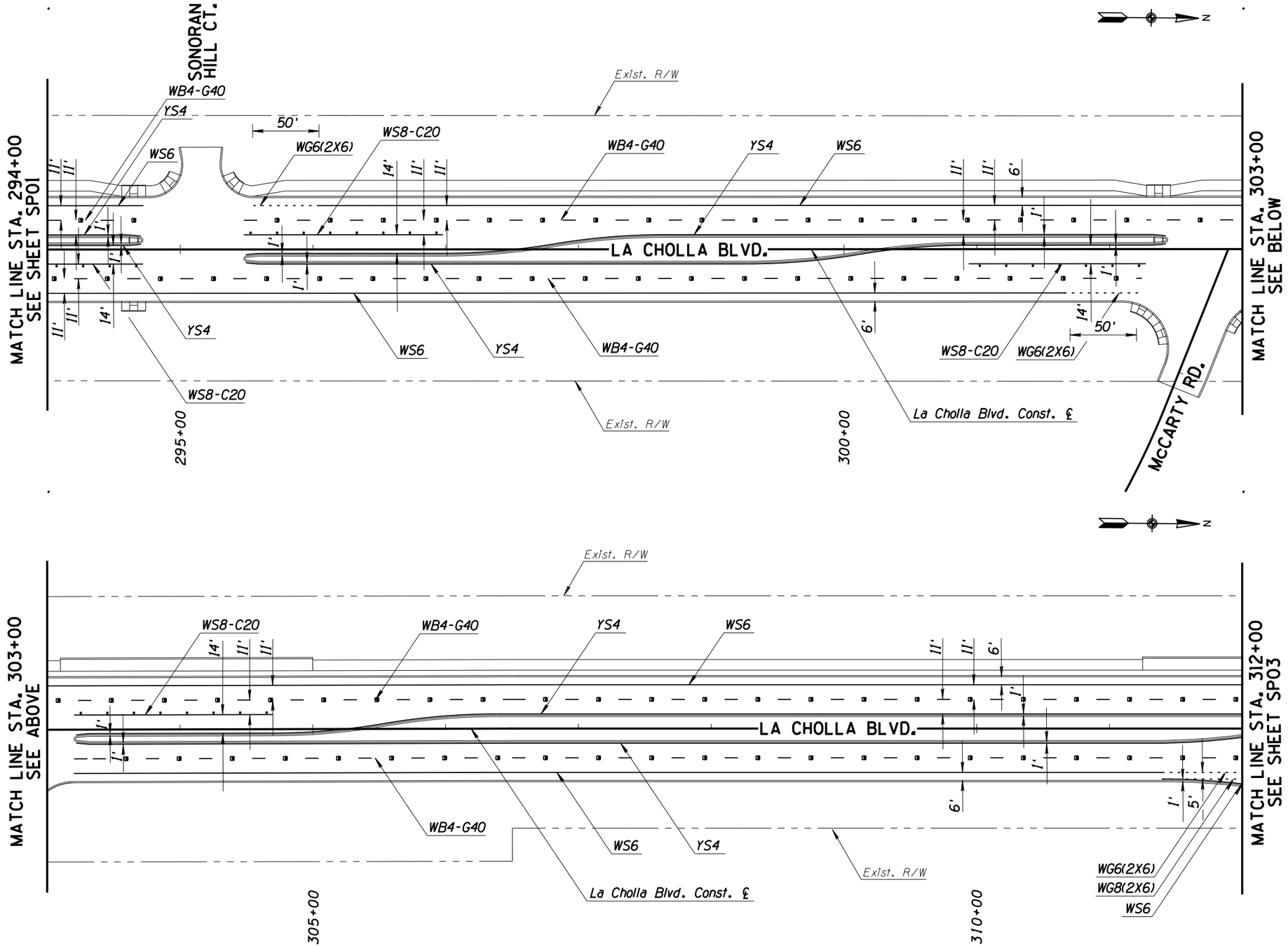

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' / Vert. 1"= NA	Sheet SP02 of SP10	Page 106 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date
△			
△			
△			
△			

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

STRIPING PLANS
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 294+00 TO STA. 312+00
PROJECT NO. 4RTLTM

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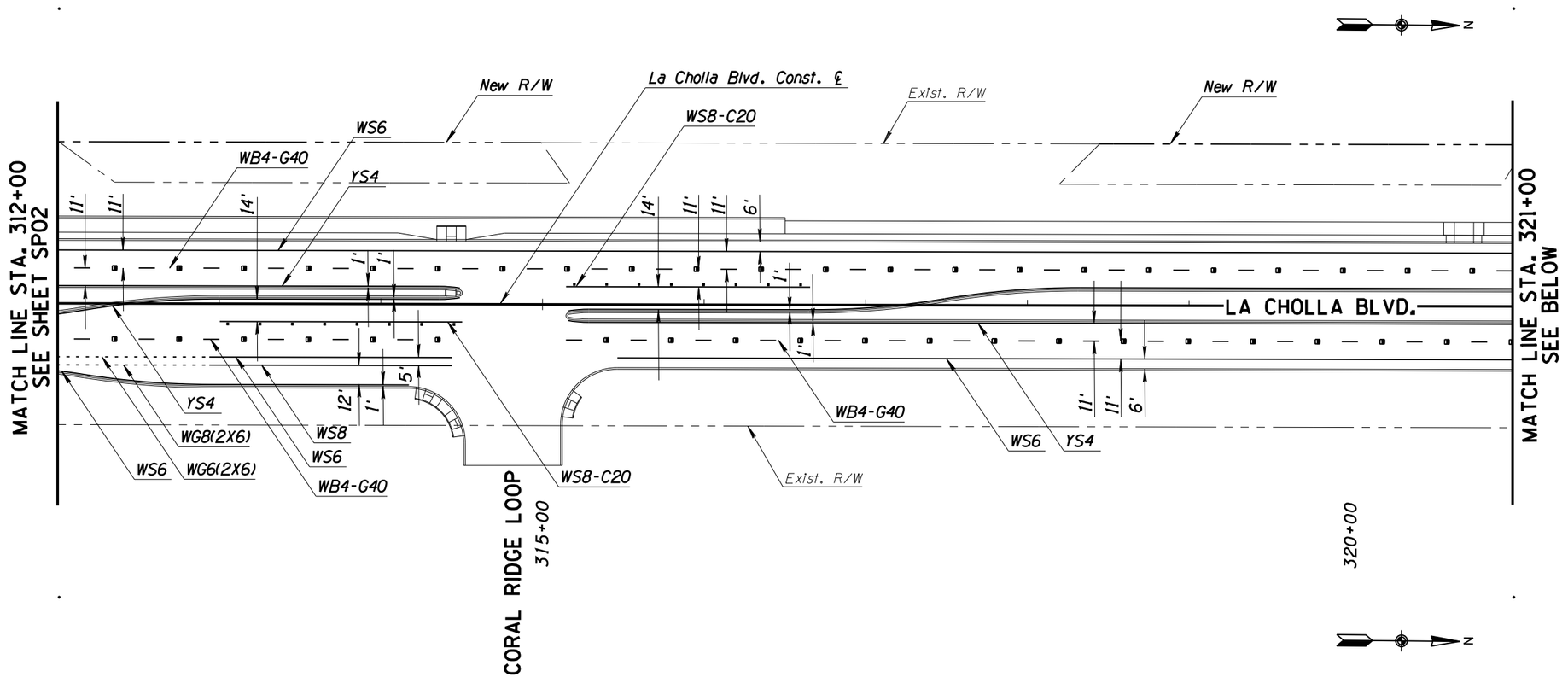

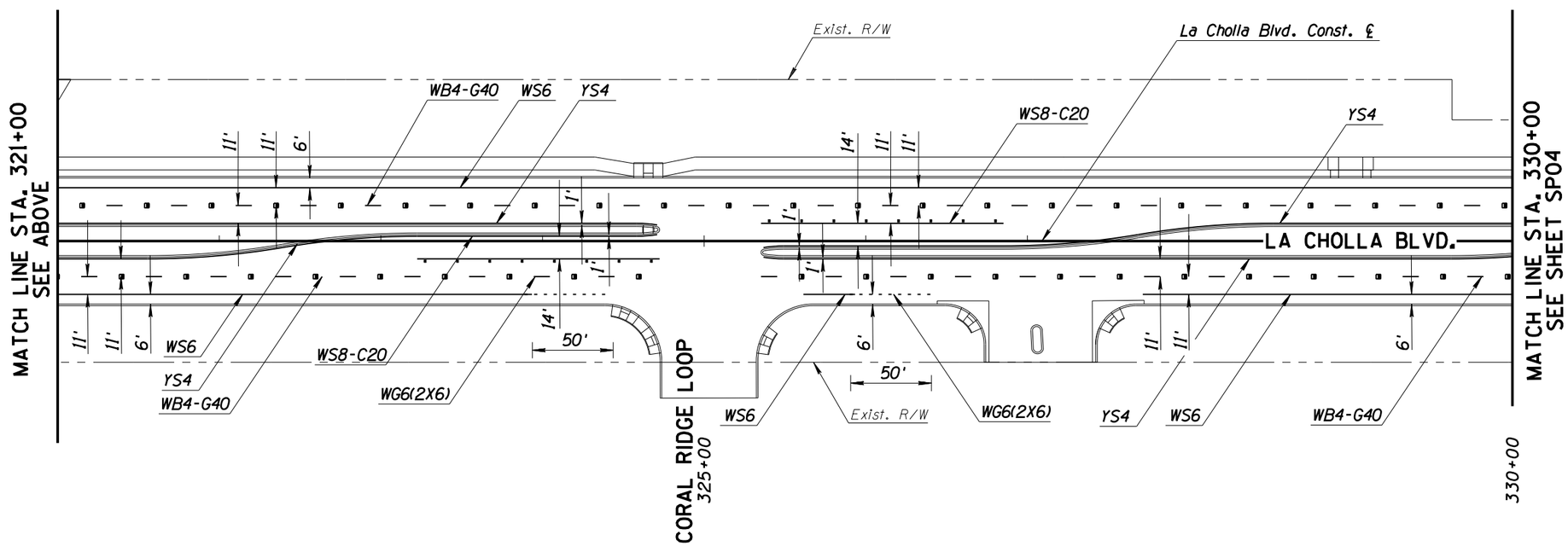

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40' Vert. 1"= NA

Sheet SP03 of SP10

Page 107 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL
PRELIMINARY - NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

STRIPING PLANS
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 312+00 TO STA. 330+00
PROJECT NO. 4RTLTM

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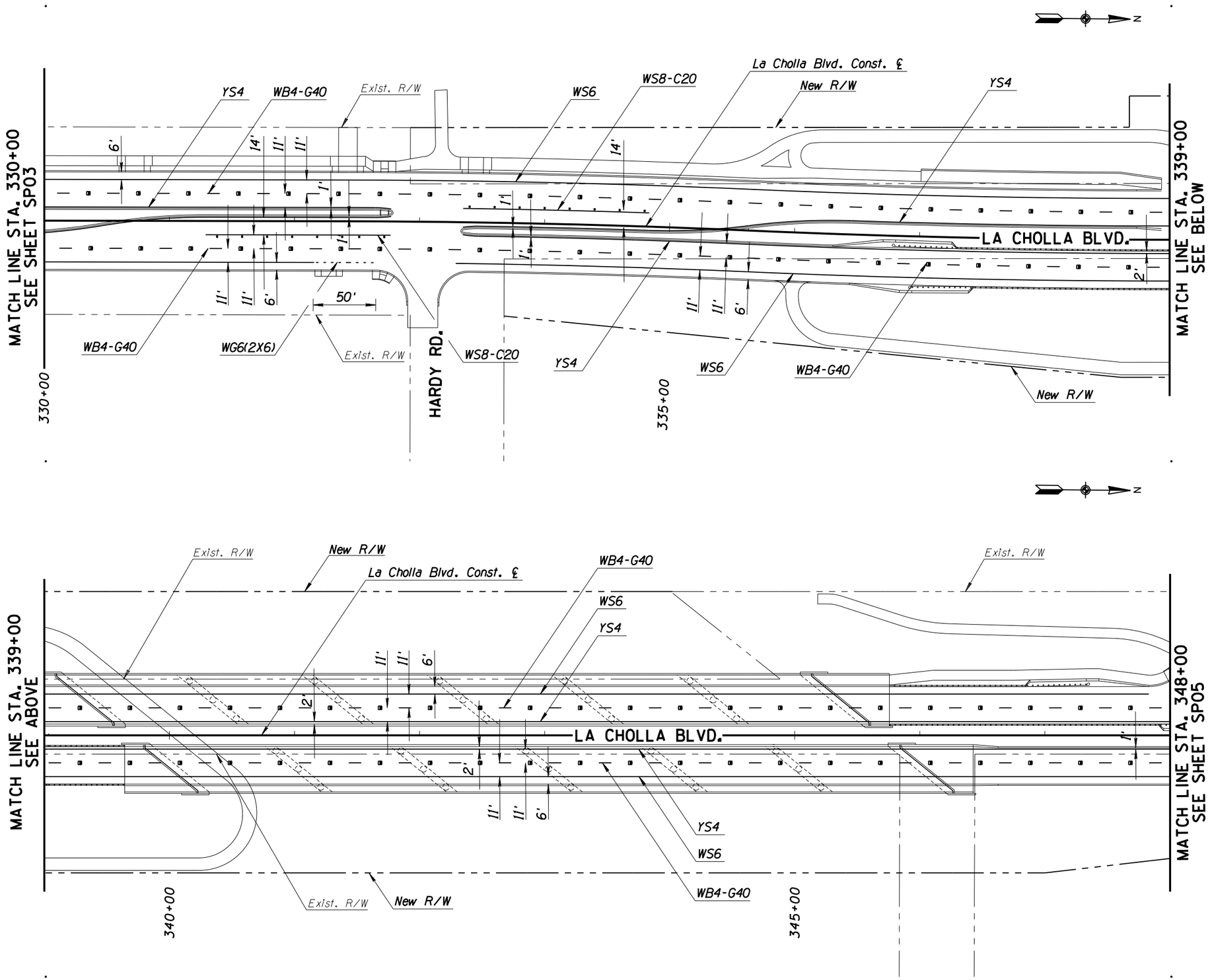

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40' Vert. 1"= NA

Sheet SP04 of SP10

Page 108 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL

PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

STRIPING PLANS
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 330+00 TO STA. 348+00
PROJECT NO. 4RTLTM

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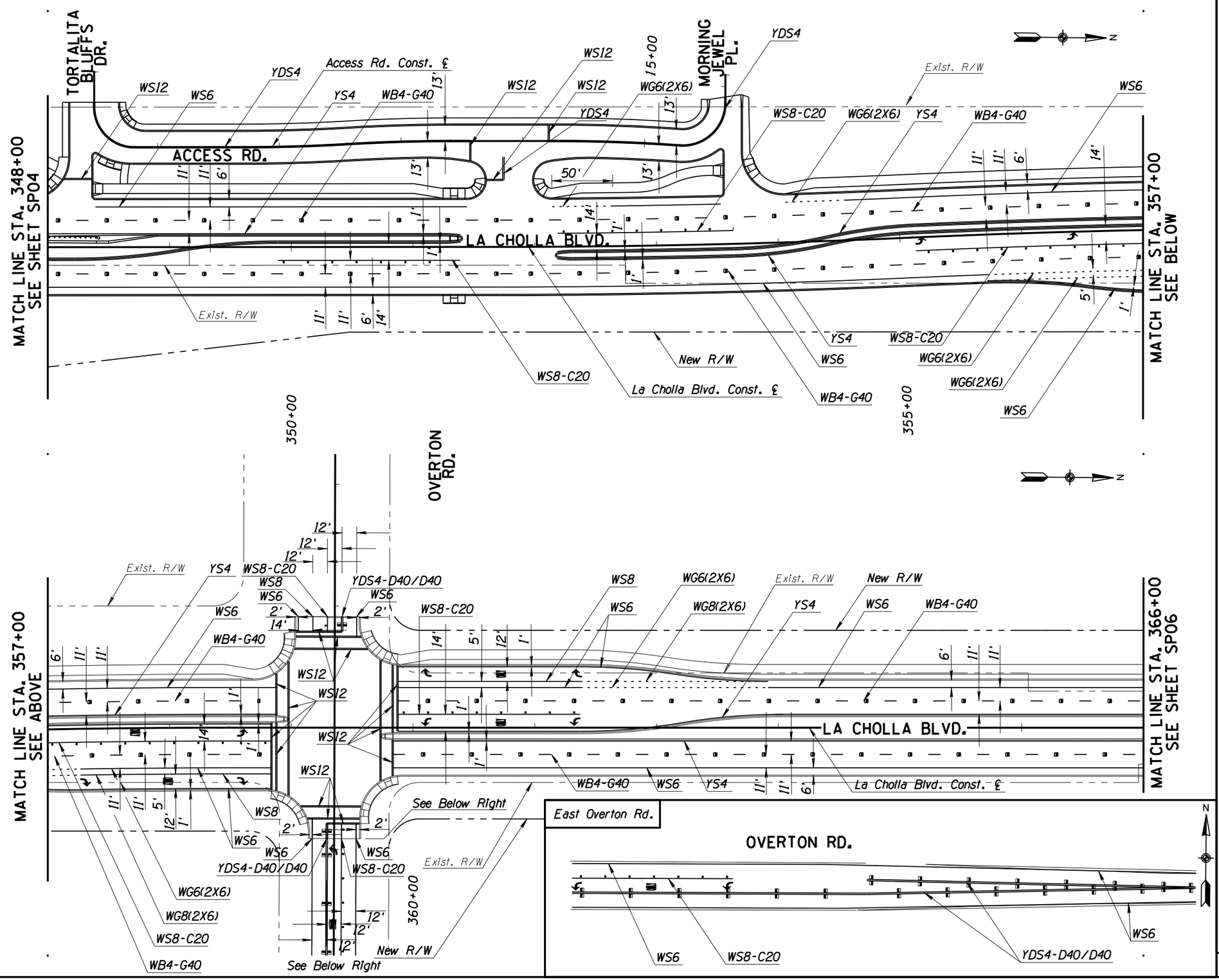

Notes:

See PCDOT and TDOT Traffic Engineering Division Pavement Marking Standards 2-8.5-14.5-15 for Stop Bar/Crosswalk Details. Also, see Dtl. 4-12 for Pavement Marking Symbol Design.

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' Vert. 1"= NA	Sheet SP05 of SP10	Page 109 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

STRIPING PLANS
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 348+00 TO STA. 366+00
PROJECT NO. 4R1LTM

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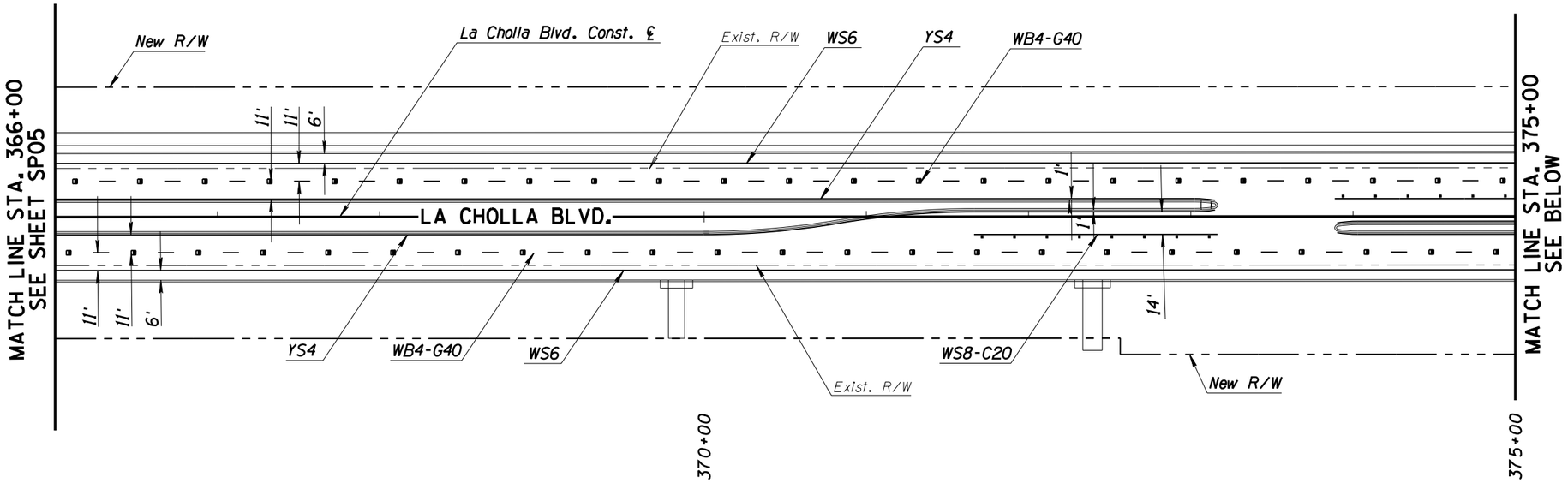

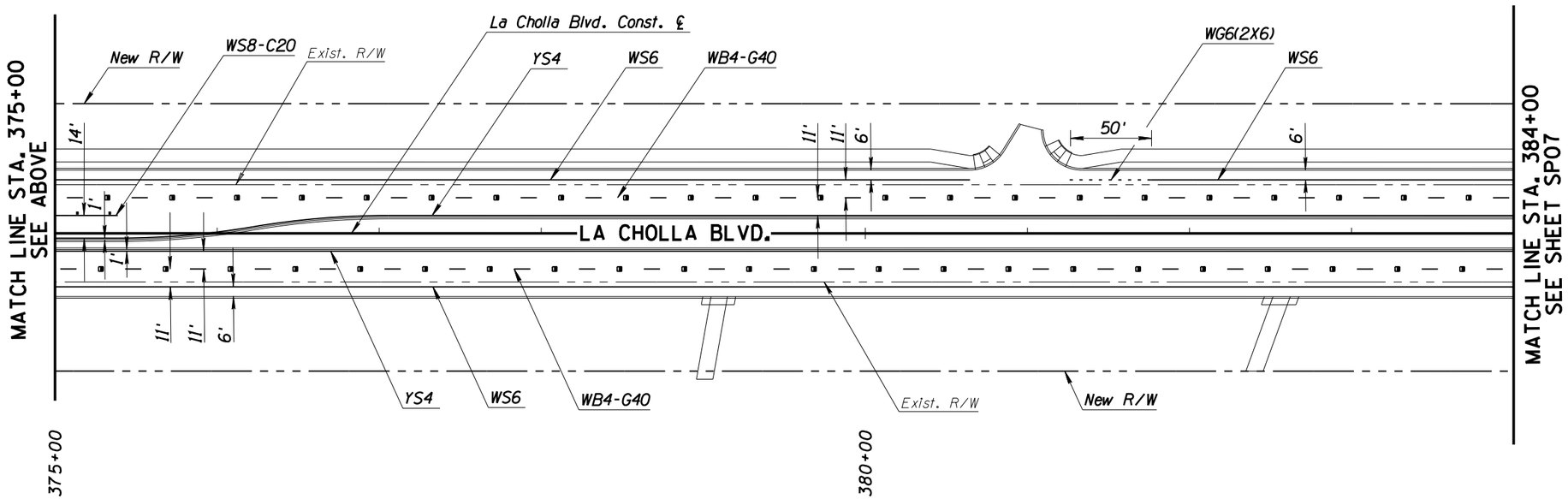

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40' Vert. 1"= NA

Sheet SP06 of SP10

Page 110 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

STRIPING PLANS
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 366+00 TO STA. 384+00
PROJECT NO. 4RTLTM

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

No.	Revision Description	Engineer	Date

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

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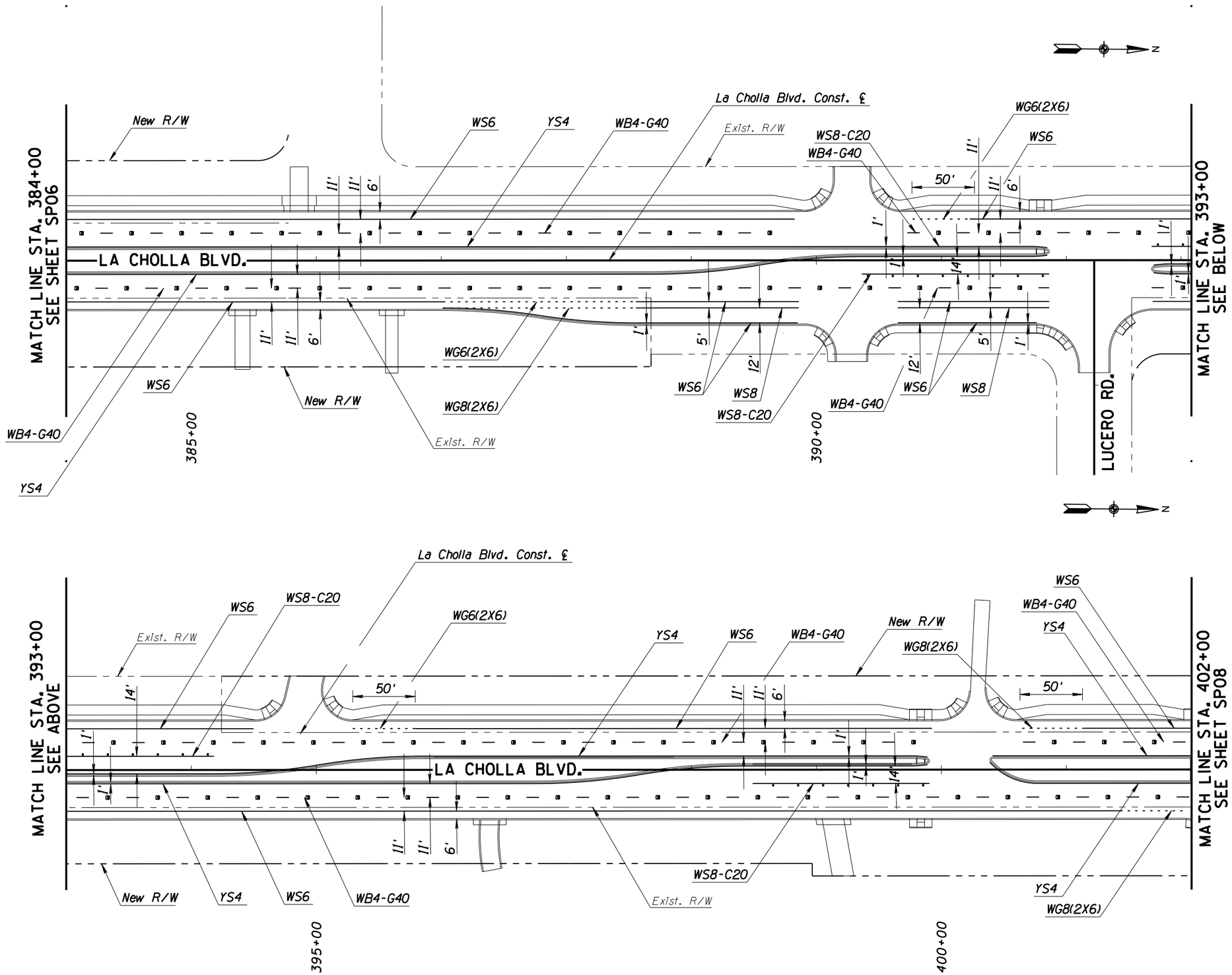
brian_ravesloot



Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' / Vert. 1"= NA	Sheet SP07 of SP10	Page 111 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

STRIPING PLANS
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 384+00 TO STA. 402+00
PROJECT NO. 4RTLTM

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

STAGE II
SUBMITTAL
PRELIMINARY-
NOT FOR
CONSTRUCTION

No.	Revision Description	Engineer	Date
1			
2			
3			
4			

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

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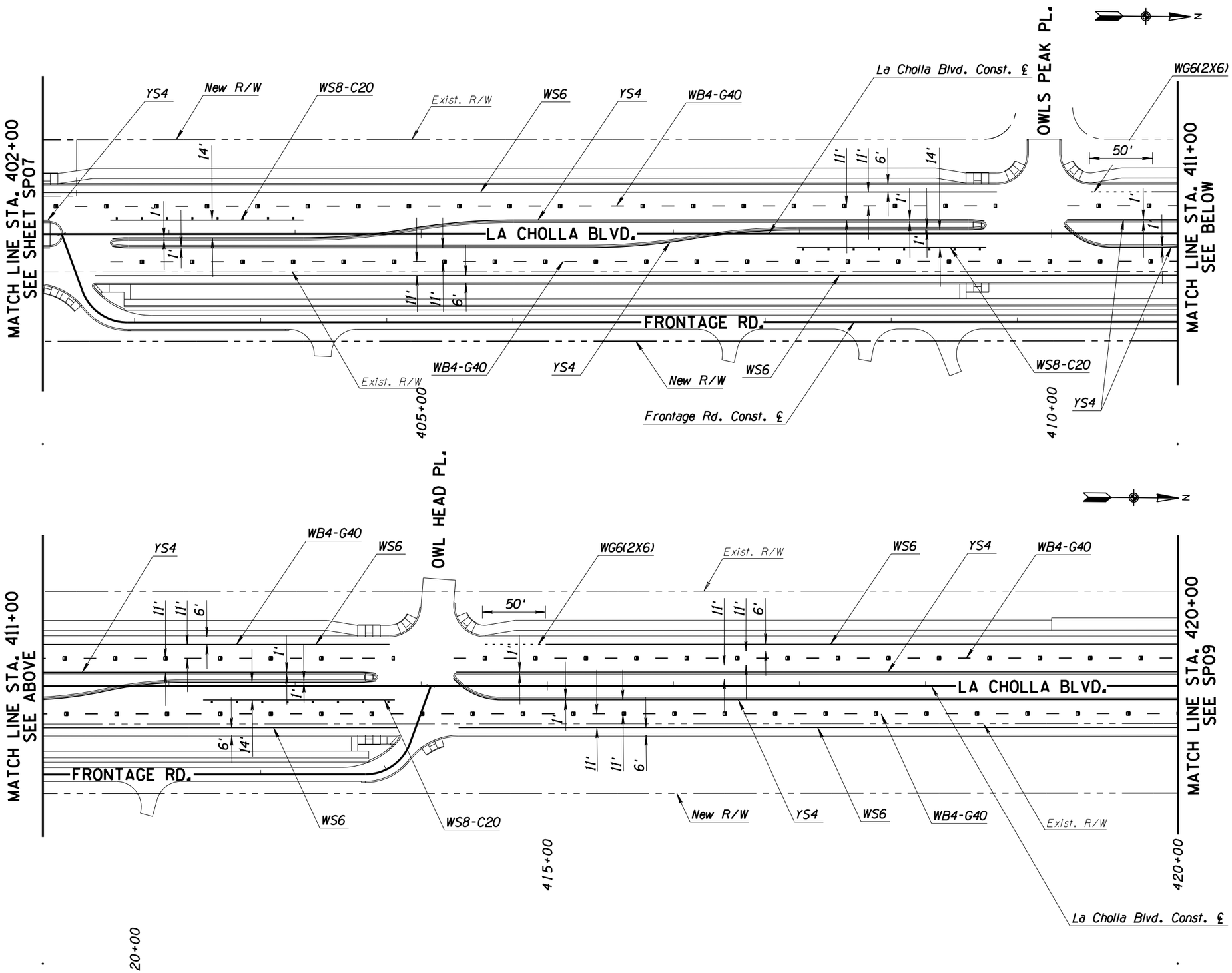

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

Pima County Department of Transportation

STRIPING PLANS
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 402+00 TO STA. 420+00
PROJECT NO. 4RTLTM

Scale	Horiz. 1"= 40' Vert. 1"= NA	Sheet SP08 of SP10	Page 112 of 130

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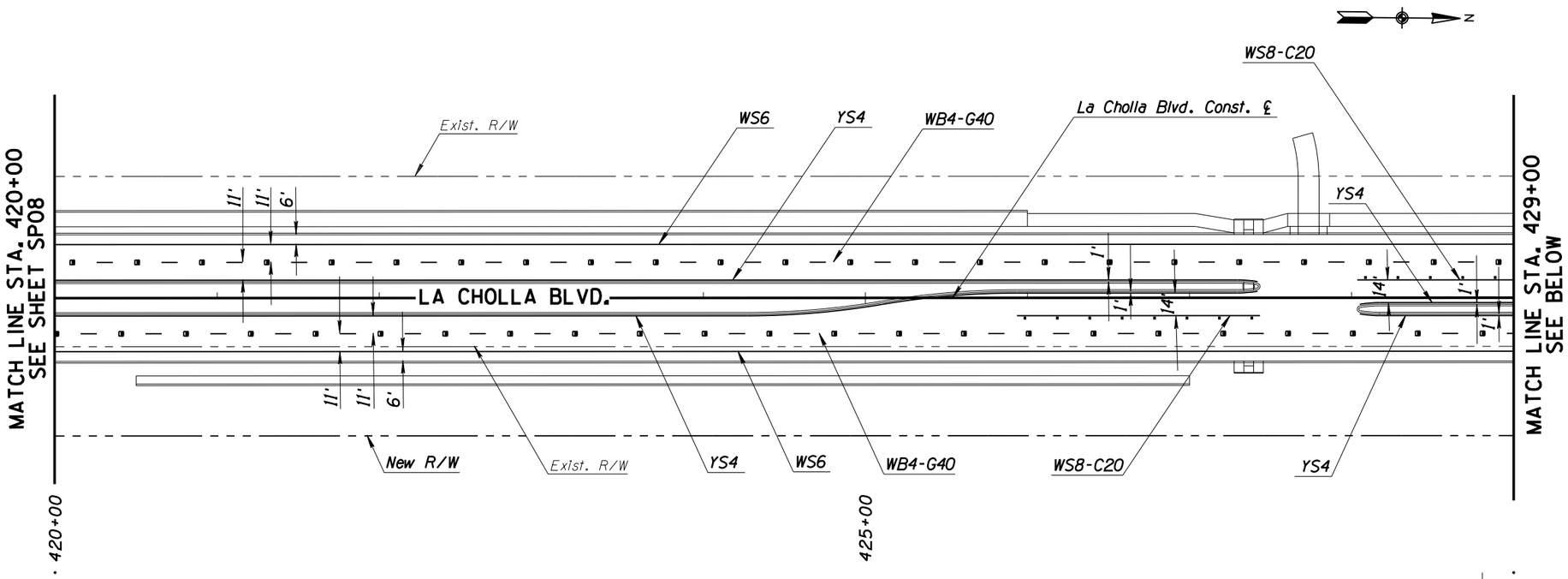
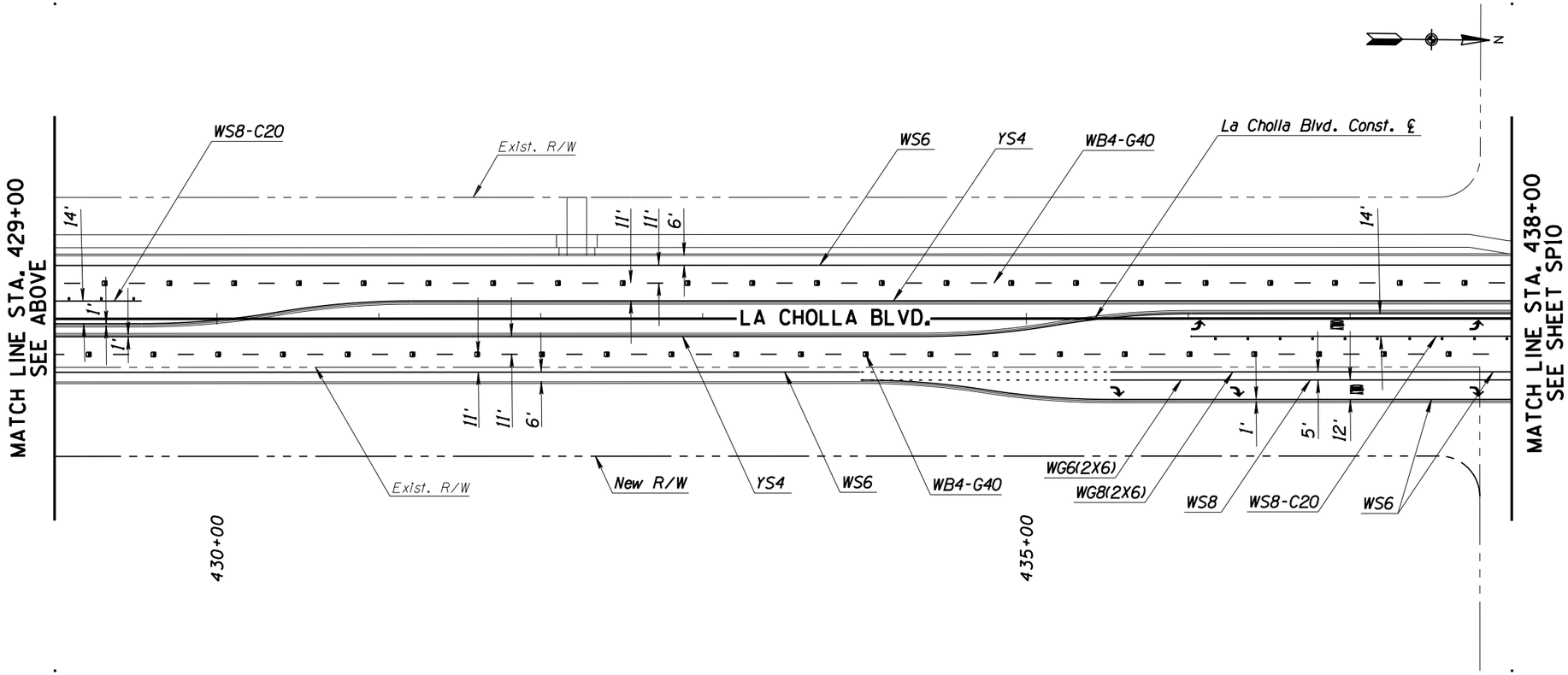
brian_ravesloot





Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' / Vert. 1"= NA	Sheet SP09 of SP10	Page 113 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date
1			
2			
3			
4			
5			

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

STRIPING PLANS
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 420+00 TO STA. 438+00
PROJECT NO. 4RTLTM

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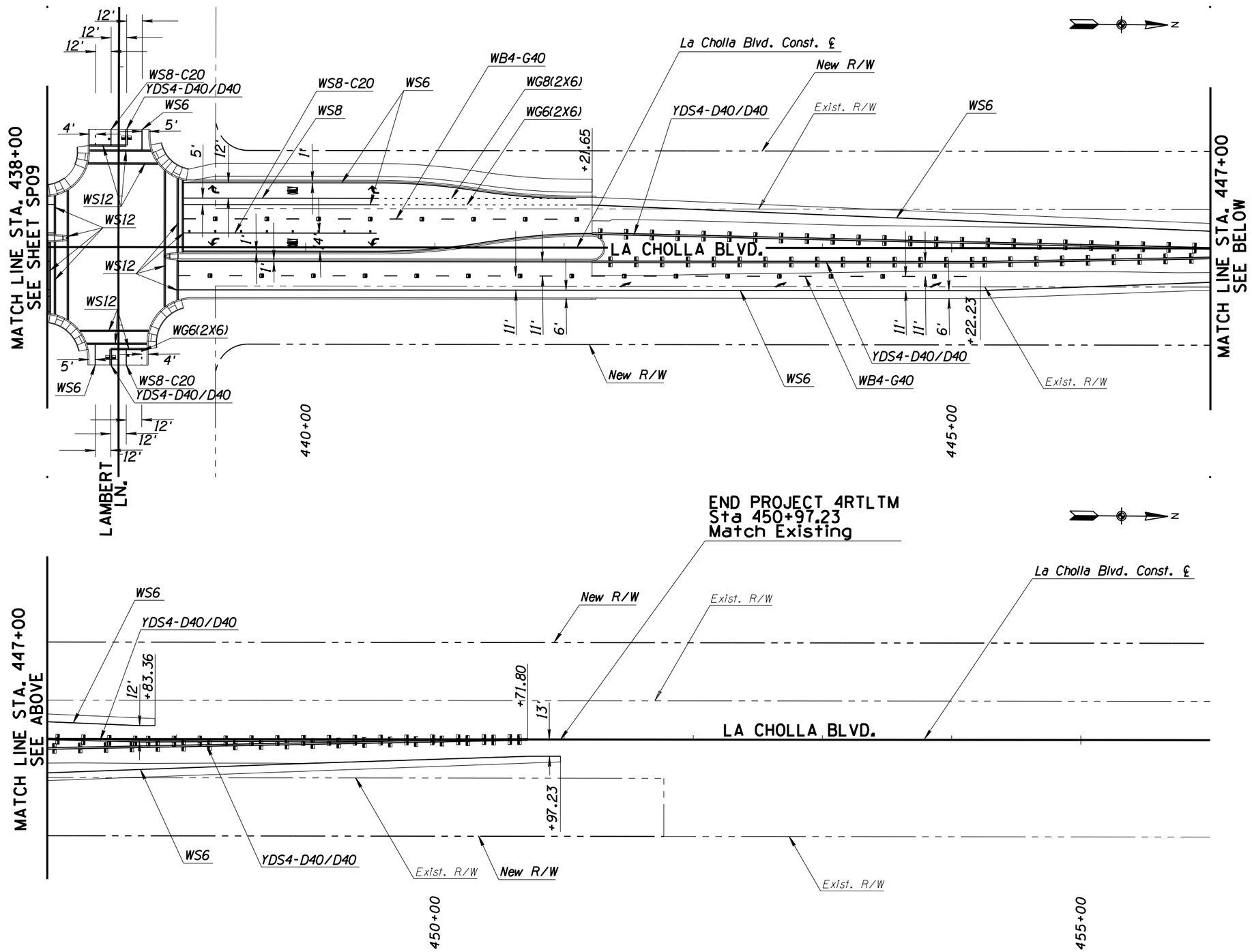

Notes:

See PCDOT and TDOT Traffic Engineering Division Pavement Marking Standards 2-8,5-14,5-15 for Stop Bar/Crosswalk Details. Also, see Dtl. 4-12 for Pavement Marking Symbol Design.

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1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' / Vert. 1"= NA	Sheet SP10 of SP10	Page 114 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL
PRELIMINARY - NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

STRIPING PLANS
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
STA. 438+00 TO STA. 450+97.23
PROJECT NO. 4RTLTM

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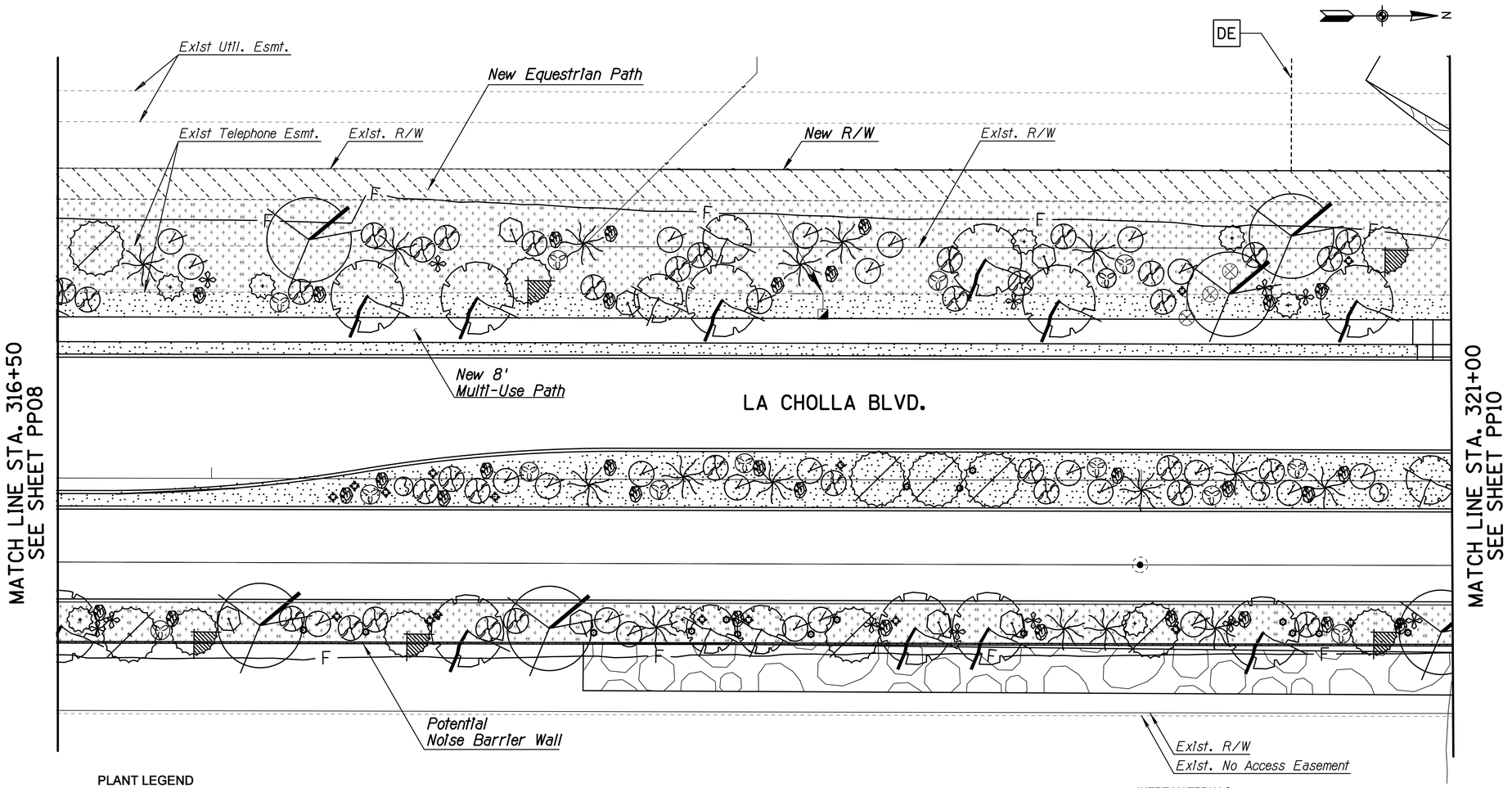

PLANT LEGEND

TREES - NURSERY STOCK

Symbol	Botanical name / Common name	Size
	Acacia greggii Catclaw Acacia	15 gal.
	Celtis reticulata Canyon Hackberry	15 gal.
	Cercidium floridum Blue Palo Verde	15 gal.
	Cercidium microphyllum Little Leaf Palo Verde	15 gal.
	Chilopsis linearis Desert Willow	15 gal.
	Olneya tesota Ironwood	15 gal.
	Prosopis velutina Velvet Mesquite	15 gal.

SHRUBS

Symbol	Botanical name / Common name	Size
	Acacia constricta Whitethorn Acacia	5 gal.
	Atriplex canescens Four-wing Saltbush	5 gal.
	Celtis pallida Desert Hackberry	5 gal.
	Larrea tridentata Creosote	5 gal.
	Lycium Berlandieri Wolfberry	5 gal.
	Zizyphus obtusifolia Graythorn	5 gal.

ACCENTS

Symbol	Botanical name / Common name	Size
	Carnegiea gigantea Saguaro	5 gal.
	Ferocactus wislizenii Fishhook Barrel	5 gal.
	Fouquieria splendens Ocotillo	6' Min.
	Opuntia bigelovii Teddy-bear Cholla	5 gal.
	Opuntia engelmannii Engleman's Prickly Pear	5 gal.
	Opuntia fulgida Chain-fruit Cholla	5 gal.
	Opuntia spinosior Cane Cholla	5 gal.

SEEDING

Symbol	Item
	Seed Mix Refer to Special Provisions

Note: Plant species in proposed seed mix will be based on releves provided by URS and will reflect the native plants on site. Small shrubs, forbs, and grasses will be represented.

Sample of Preliminary Proposed Species: Aristida purpurea (Purple threeawn), Baileya multiradiata (Desert marigold), Bouteloua aristidiodes (Needlegramma), Bouteloua gracilis (Blue grama), Calliandra eriophylla (Fairy duster), Gilia stellata (Star Gilia), Heteropogon contortus (Tanglehead), Salvia columbaria (Chia), Sphaeralcea ambigua (Globemallow), Zinnia acerosa (Desert zinnia)

INERT MATERIALS

Symbol	Item
	Boulder (1.5' - 3') Refer to Special Provisions
	3" Minus Desert Carpet (75% 1" minus, 25% 1-3")

LANDSCAPE NOTES

1. *This Landscape Plan is in conformance with the Pima County Roadway Design Manual and Environmentally Sensitive Roadways (ESR) Design Guidelines.*
2. *It is the intent of the ESR Guidelines that proposed planting will replicated approximate densities and species of existing pre-construction vegetation. All proposed plant species have been selected from the Pima County ESR Approved Plant Species list. The final Planting Plan will reflect a variety of densities and species reflective of adjacent existing vegetative communities.*
3. *Water harvesting basins (8" max. depth) in medians and other areas within the ROW will be incorporated into the Landscape Plans where appropriate and feasible. Water harvesting will supplement proposed drip irrigation.*
4. *All plant sizes are in conformance with the minimum requirements as shown in the Pima County Approved Plant Species For Environmentally Sensitive Roadways.*
5. *Trees to be planted a minimum of 8 feet from sidewalks (small/upright trees may be placed a minimum of 4-6' from the edge of sidewalks) and 6 feet from face of curb. Shrubs and accents to be planted a minimum of 4 feet from sidewalks and face of curb.*
6. *Trees and shrubs shall be located to avoid conflicts with overhead and underground utilities. Tree trunks shall be 16' min. from manholes, and all parts of trees shall be 10' min. from sewer lines.*

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20 0 20 40'

Priscilla S. Cornelio P.E., Director

		Date
Designed	JLP	05/10
Drawn	JLP	05/10
Checked	LEM	05/10
Proj. Mgr.	LEM	05/10

No.	Revision Description	Engineer	Date

STAGE TWO PLANS

PRELIMINARY-NOT FOR CONSTRUCTION

WHEAT SCHARF ASSOCIATES
LANDSCAPE ARCHITECTURE · RESOURCE PLANNING · URBAN DESIGN
4444 E. BROADWAY BLVD. · TUCSON, ARIZONA 85711
PHONE 520-884-7911 · 520-884-7912 FAX

ROADWAY PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO TANGERINE RD.
STA. 330+00 TO STA. 339+00
PROJECT NO. 4RTLTM

Pima County Department of Transportation

Scale	Horiz.1"= 20'	Sheet LC01 of LC01	Page 115 of 130

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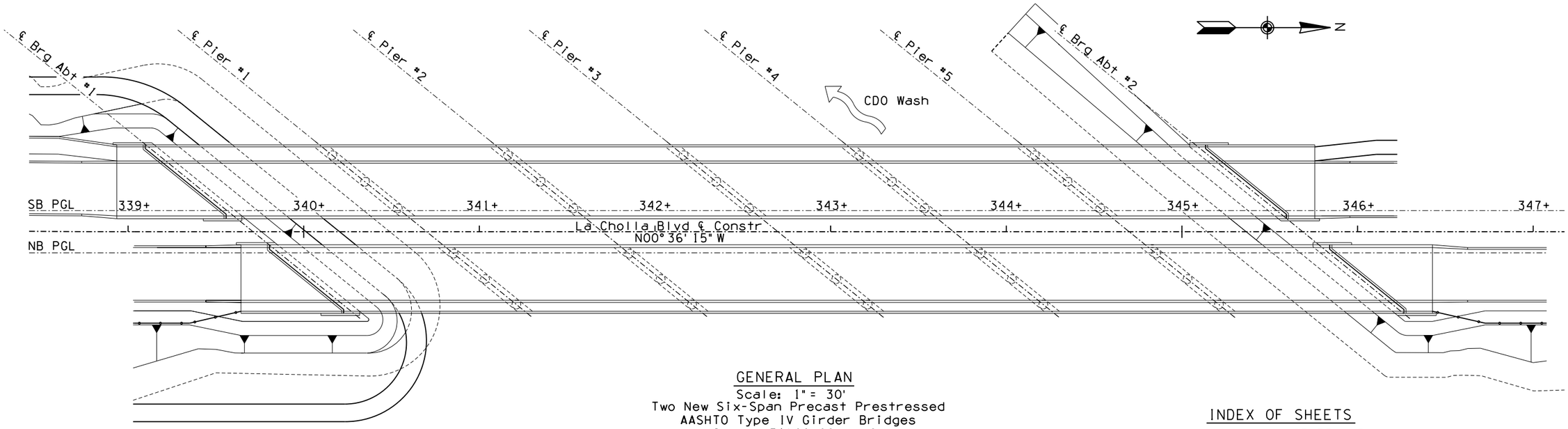
jpatton

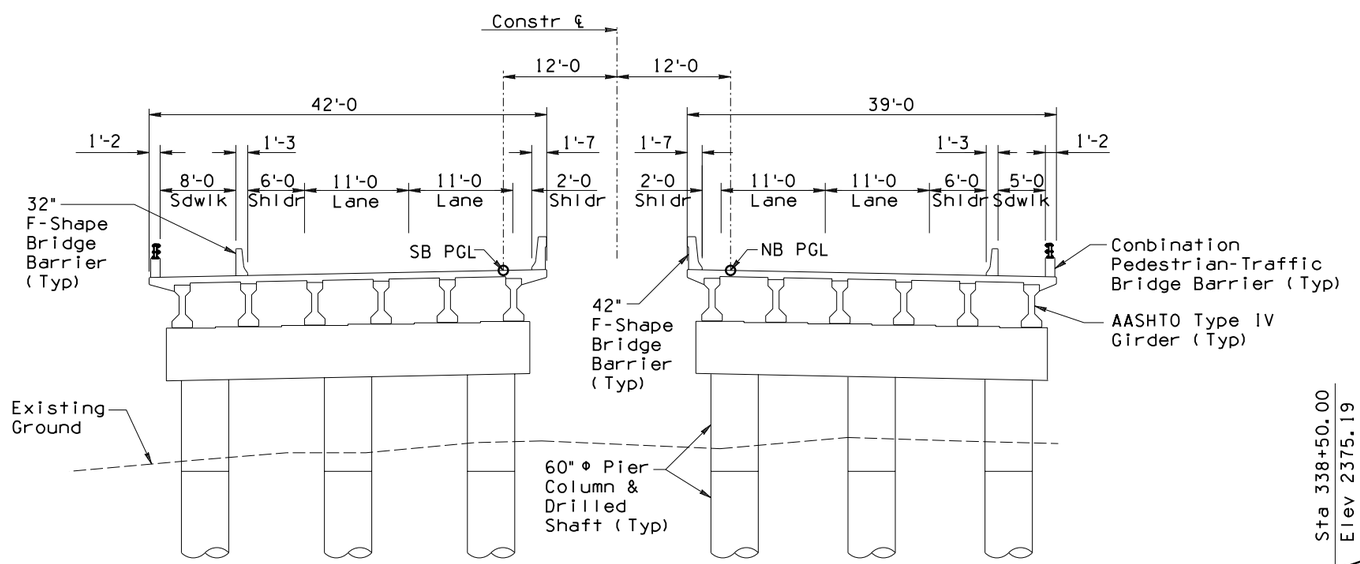


GENERAL PLAN

Scale: 1" = 30'
Two New Six-Span Precast Prestressed
AASHTO Type IV Girder Bridges
Skew = 51°00'00" Left
Contour Interval = 1'-0

INDEX OF SHEETS

S1	GENERAL PLAN
S2	LOCATION PLAN - 1
S3	LOCATION PLAN - 2
S4	GENERAL NOTES & QUANTITIES



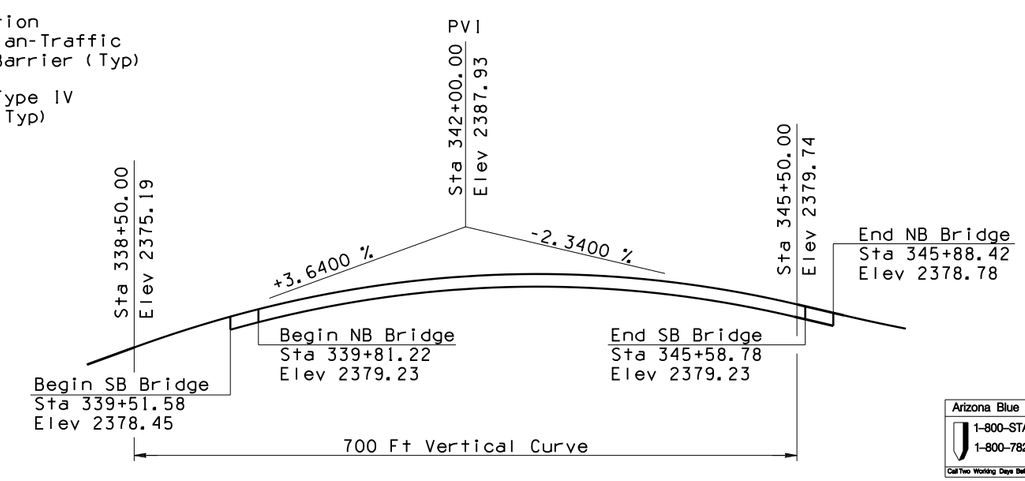
SOUTHBOUND

NORTHBOUND

* Measured from Top of Deck to Bottom of Girder at ℄ Girder and ℄ Brg

TYPICAL SECTION

Scale: 1/8" = 1'-0"



PROFILE GRADE

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1-800-782-5348
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Priscilla S. Cornelio P.E., Director

Designed	DWP	Date 05/10
Drawn	TWW	05/10
Checked	SMT	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL
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phone: 520-887-1800

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GENERAL PLAN
LA CHOLLA BOULEVARD BRIDGE
MAGEE RD. TO TANGERINE RD.
PROJECT NO. 4RTLTM

Scale Horiz. 1"= Vert. 1"=

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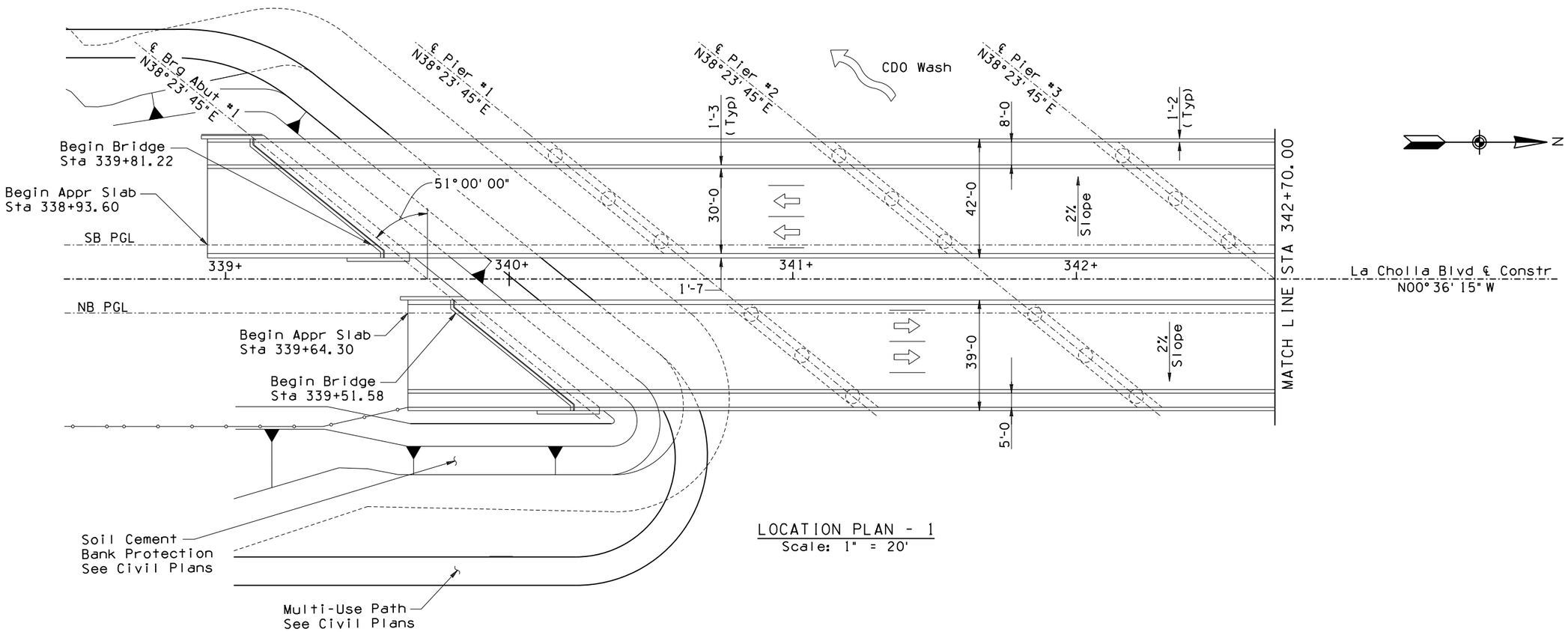
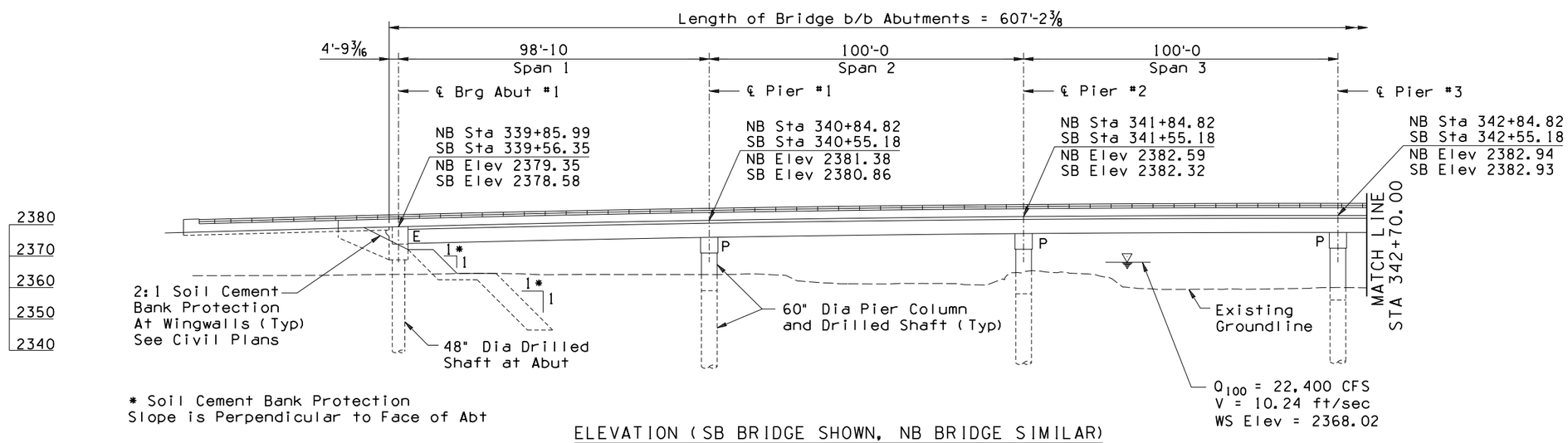


LOCATION PLAN - 1
Scale: 1" = 20'



* Soil Cement Bank Protection
Slope is Perpendicular to Face of Abt

ELEVATION (SB BRIDGE SHOWN, NB BRIDGE SIMILAR)
Scale: 1" = 20'
Stations & Elevations are along the NB PGL and SB PGL

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Priscilla S. Cornelio P.E., Director

Designed	DWP	05/10
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Checked	SMT	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

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Pima County Department of Transportation

Location Plan - 2
and Elevation
LA CHOLLA BOULEVARD BRIDGE
MAGEE RD. TO TANGERINE RD.
PROJECT NO. 4RTLTM

Scale	Horiz. 1"=	Sheet S2 of S4
	Vert. 1"=	

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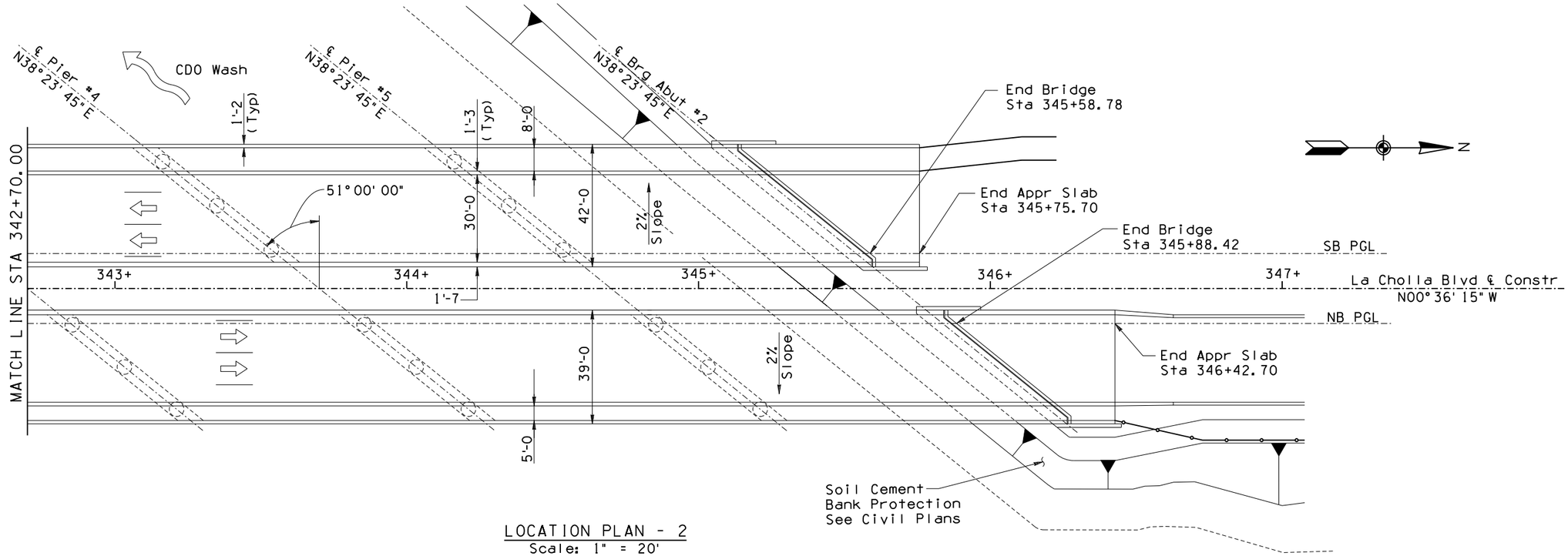
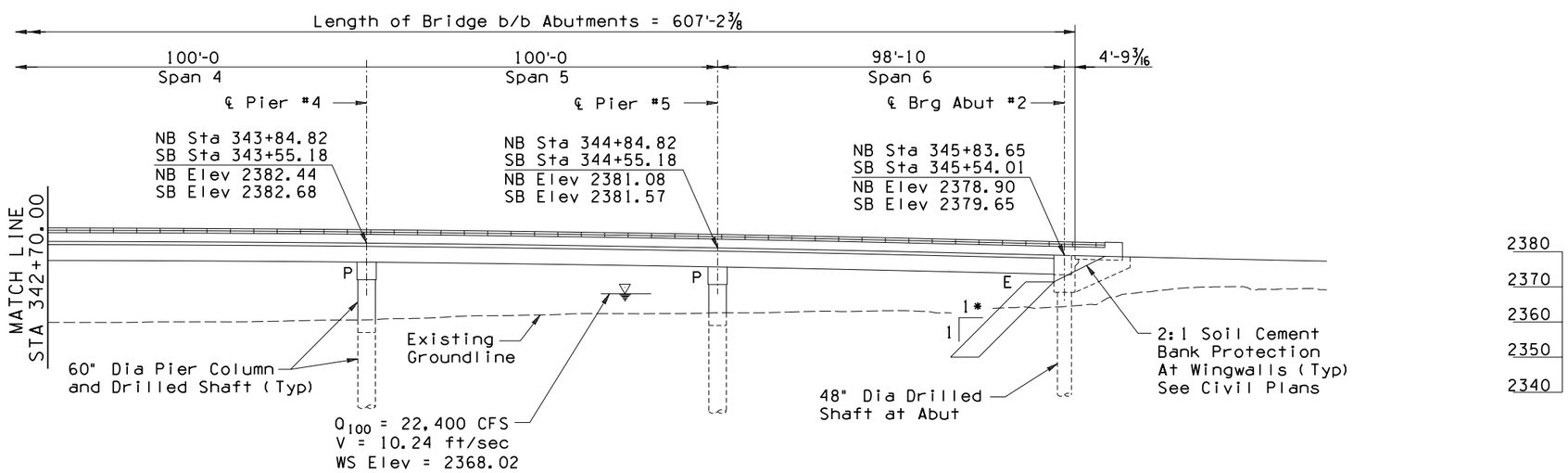


LOCATION PLAN - 2
Scale: 1" = 20'



ELEVATION (SB BRIDGE SHOWN, NB BRIDGE SIMILAR)
Scale: 1" = 20'
Stations & Elevations are along the NB PGL and SB PGL

* Soil Cement Bank Protection
Slope is Perpendicular to Face of Abt

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Priscilla S. Cornelio P.E., Director

		Date
Designed	DWP	05/10
Drawn	TWW	05/10
Checked	SMT	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

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phone: 520-887-4800

Pima County Department of Transportation

Location Plan - 1
and Elevation
LA CHOLLA BOULEVARD BRIDGE
MAGEE RD. TO TANGERINE RD.
PROJECT NO. 4RTLTM

Scale	Horiz. 1"=	Sheet S3 of S4	Page 118 of 130
	Vert. 1"=		

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APPROXIMATE QUANTITIES - NORTHBOUND STRUCTURE

Item	Class 'S' Concrete		Class 'X' Concrete	Reinforcing	Type IV	48" Φ Drilled	60" Φ Drilled
	3500 psi	4000 psi	4500 psi	Steel	Girders	Shafts	Shafts
	C.Y.	C.Y.	C.Y.	Lbs.	L.F.	L.F.	L.F.
Abutment #1							
Pier #1							
Pier #2							
Pier #3							
Pier #4							
Pier #5							
Abutment #2							
Superstructure							
Approach Slabs							
Total							
As-Built Total							

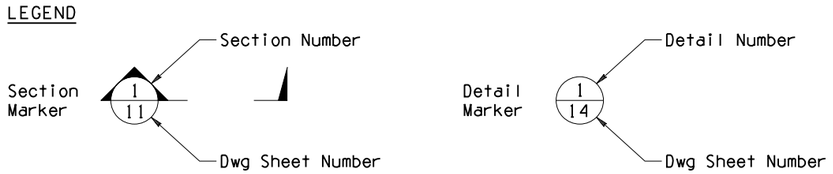
APPROXIMATE QUANTITIES - SOUTHBOUND STRUCTURE

Item	Class 'S' Concrete		Class 'X' Concrete	Reinforcing	Type IV	48" Φ Drilled	60" Φ Drilled
	3500 psi	4000 psi	4500 psi	Steel	Girders	Shafts	Shafts
	C.Y.	C.Y.	C.Y.	Lbs.	L.F.	L.F.	L.F.
Abutment #1							
Pier #1							
Pier #2							
Pier #3							
Pier #4							
Pier #5							
Abutment #2							
Superstructure							
Approach Slabs							
Total							
As-Built Total							

	NORTHBOUND	SOUTHBOUND
Deck Jt Assy: Strip Seal	LF	LF
F-Shape Bridge Concrete Barrier (32")	LF	LF
F-Shape Bridge Concrete Barrier (42")	LF	LF
Combination Pedestrian-Traffic Bridge Railing	LF	LF
Thrie Beam Transition	EA	EA
Vertical Restrainers (Expansion)	EA	EA
Vertical Restrainers (Fixed)	EA	EA

Note: Reinforcing steel quantities for drilled shafts are included in the lineal foot cost of the drilled shafts. Quantities for vertical restrainers are provided for information only. The cost of these items is considered incidental to other contract items. See Standard Specifications and Special Provisions.

LEGEND



CONSTRUCTION SPECIFICATION

Pima County/City of Tucson Standard Specifications for Public Improvements 2003 Edition, revised to date, and the Special Provisions.

DESIGN SPECIFICATIONS

AASHTO LRFD Bridge Design Specifications, 4th Edition 2007.

BRIDGE LOADINGS

Dead Load - Dead Load includes allowance of 25 psf for a maximum 2-inch overlay.
Loading Class - HL-93
Composite Design - Dead load carried by girders only.
Seismic Performance Category "A" (Acc = 0.030 g).

CONCRETE

All concrete shall be Class "S" unless noted otherwise.
Construction joints shall be permitted only at indicated locations.
Sandblast all construction joints prior to placement of adjacent concrete.

REINFORCING

Reinforcing steel shall conform to ASTM Specification A615.
All reinforcing shall be furnished as Grade 60.
All bends and hooks shall meet the requirements of AASHTO Article 8.23.
All bend dimensions for reinforcing steel shall be out-to-out of bars.
All placement dimensions for reinforcing steel shall be to center of bars unless noted otherwise.
All reinforcing steel shall have 2 inches clear cover unless noted otherwise.

STRESSES

Deck Slab & Diaphragm (Class X)..... f'c = 4500 psi
Abutments, Piers..... f'c = 4000 psi
Bridge barriers & barrier transitions... f'c = 4000 psi
Bridge sidewalks..... f'c = 4000 psi
Drilled shafts ..... f'c = 4000 psi
All other Class S Concrete..... f'c = 3000 psi
Grade 60 transverse deck reinf..... fs = 20000 psi
All other Grade 60 ..... fs = 24000 psi
Prestressing steel ..... f's = 270000 psi
(1/2" Dia 7-wire low relaxation strand)

FOUNDATIONS

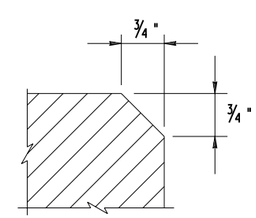
Foundations shall be constructed in accordance with the construction spacifications and project special provisions. Foundations were designed in accordance with the final geotechnical report by NCS Consultants dated xxxxxx. Pima County accepts no responsibility for any conditions encountered which vary from information provided.

MISCELLANEOUS

Bridge barriers shall be constructed after spans have taken dead load deflection.
Bridge barriers shall not be slip formed.
Chamfer all exposed corners ¾" per detail on this sheet unless noted otherwise.
Dimensions shall not be scaled from drawings.
Deck Stay-in-Place formwork shall not be used.

ADOT STANDARD DRAWINGS

Structures Section Standards , 1992 Edition: B-19.10
Bridge Group SD Drawings: SD 1.01, SD 1.02, SD 1.03, SD 1.04
SD 2.01, SD 3.02



CHAMFER DETAIL

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Priscilla S. Cornelio P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	DWP	05/10
Drawn	TWW	05/10
Checked	SMT	05/10
Proj. Mgr.	EJS	05/10

STAGE II SUBMITTAL
PRELIMINARY - NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

Pima County Department of Transportation

General Notes & Quantities
LA CHOLLA BOULEVARD BRIDGE
MAGEE RD. TO TANGERINE RD.
PROJECT NO. 4RTLTM

Scale Horiz. 1"= Vert. 1"= | Sheet S4 of S4 | Page 119 of 130

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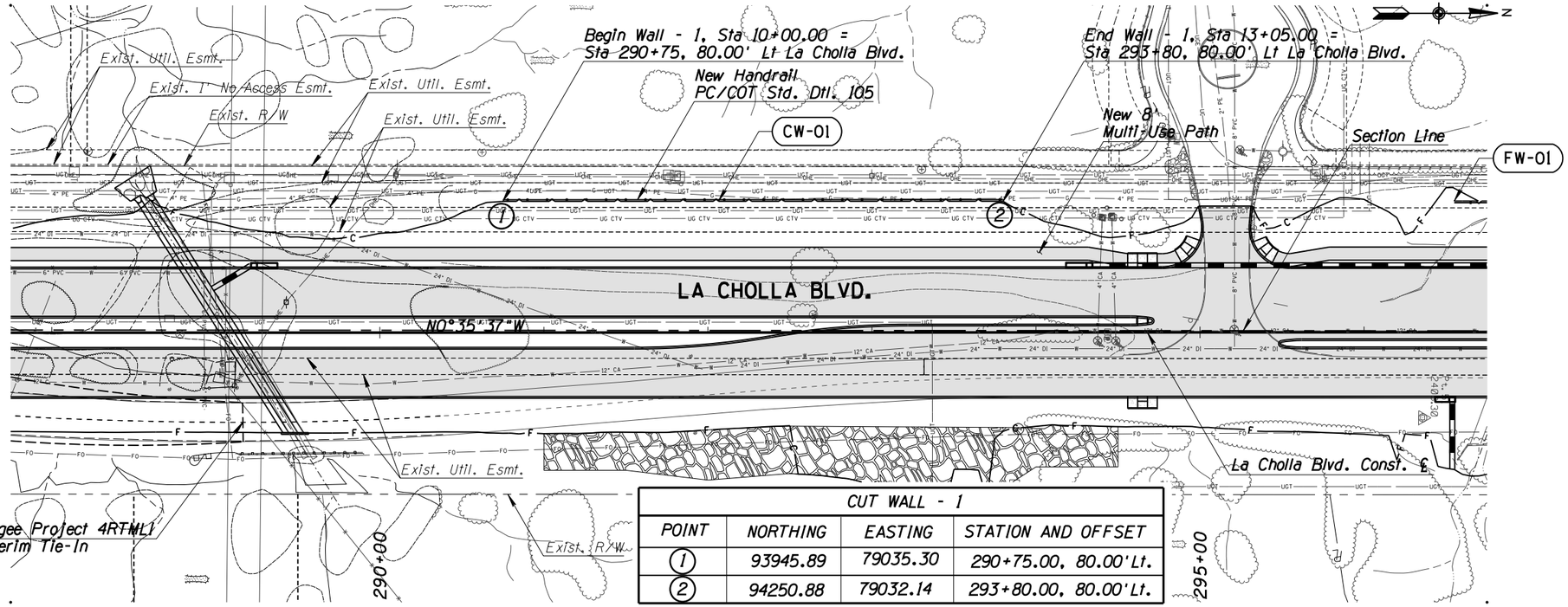


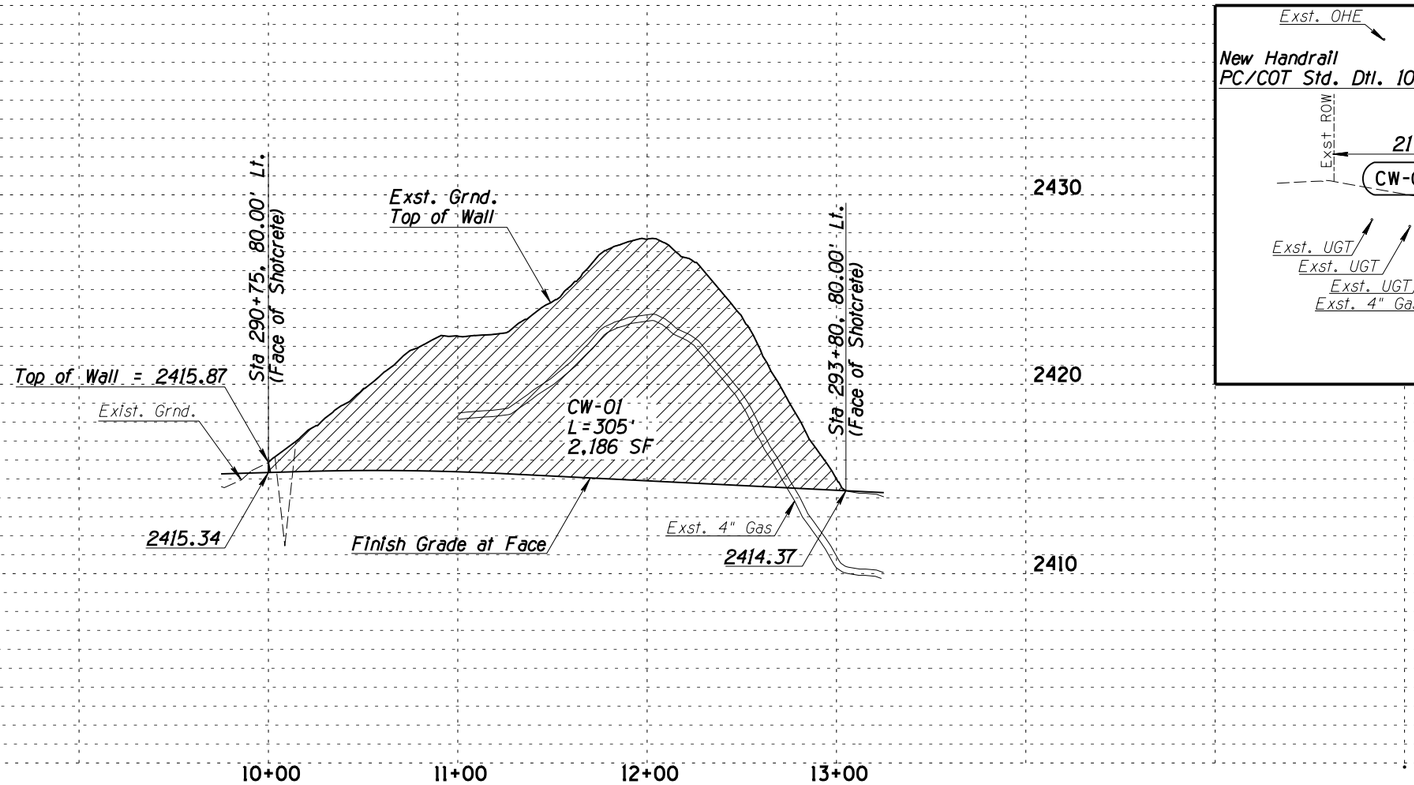
CUT WALL - 1			
POINT	NORTHING	EASTING	STATION AND OFFSET
1	93945.89	79035.30	290+75.00, 80.00'Lt.
2	94250.88	79032.14	293+80.00, 80.00'Lt.

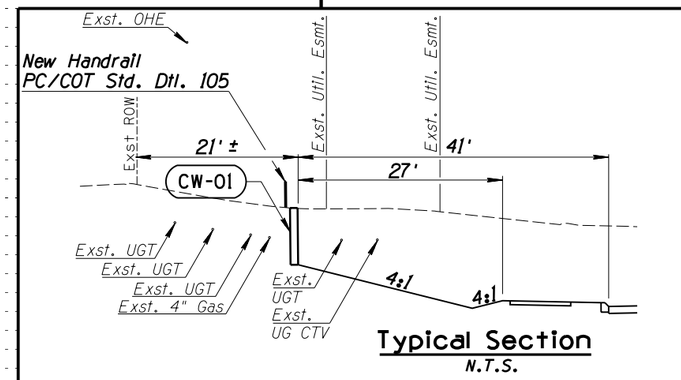
Notes:

CW-01 New Cut Wall

FW-01 New Fill Wall, See Sheet RW02

1. Soil Nail Wall Assumed
2. See Detail RD_ (sheets RD_ through RD_) for specifications; construction methods, and testing procedures.
3. Wall Stationing is to Face of Wall.





Typical Section
N.T.S.

LEGEND

New Slope Protection

New Drainage Channel

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' / Vert. 1"= 4'	Sheet RW01 of RW08	Page 120 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

RETAINING WALL PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTL1M

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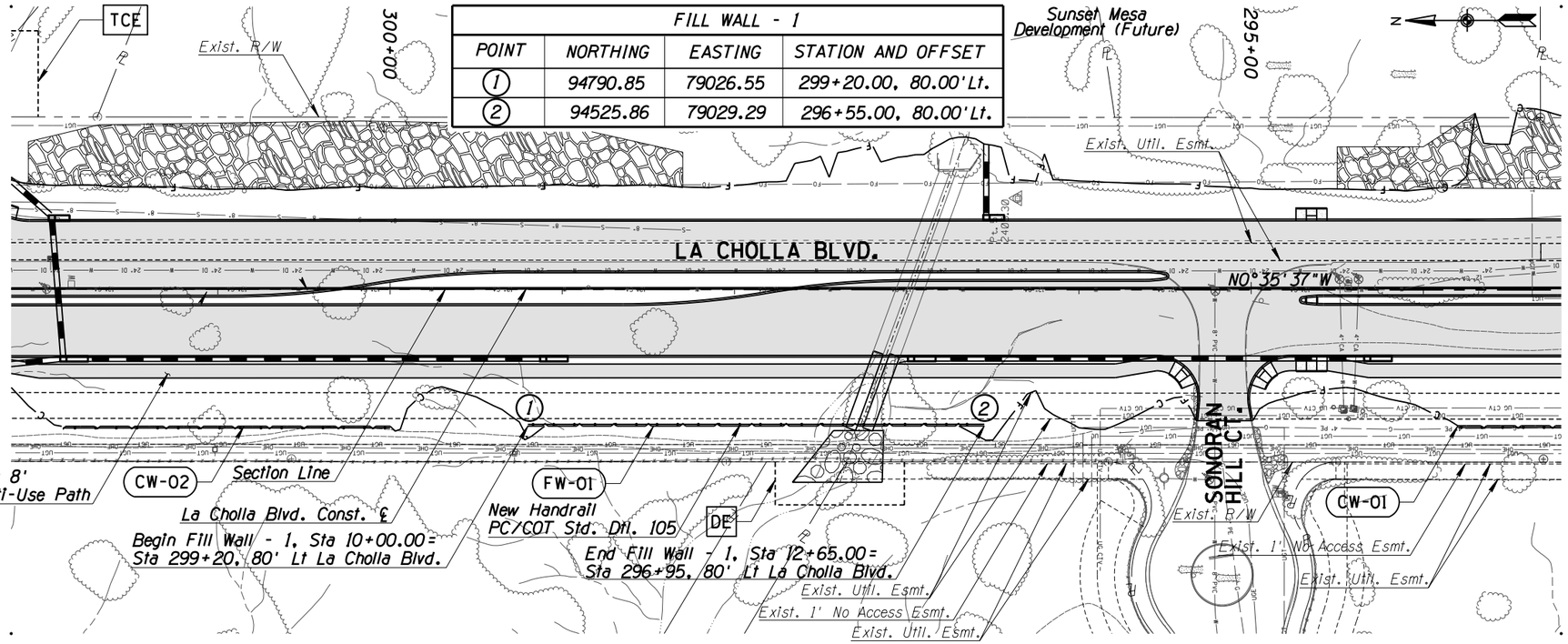
brian_ravesloot

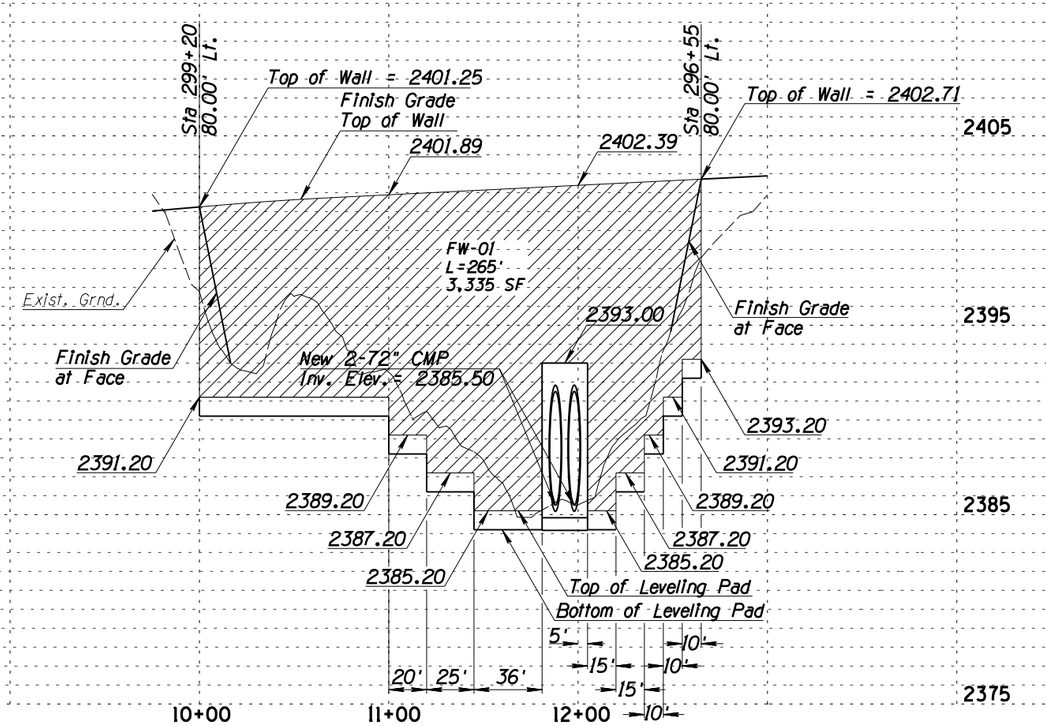
FILL WALL - 1			
POINT	NORTHING	EASTING	STATION AND OFFSET
1	94790.85	79026.55	299+20.00, 80.00'Lt.
2	94525.86	79029.29	296+55.00, 80.00'Lt.

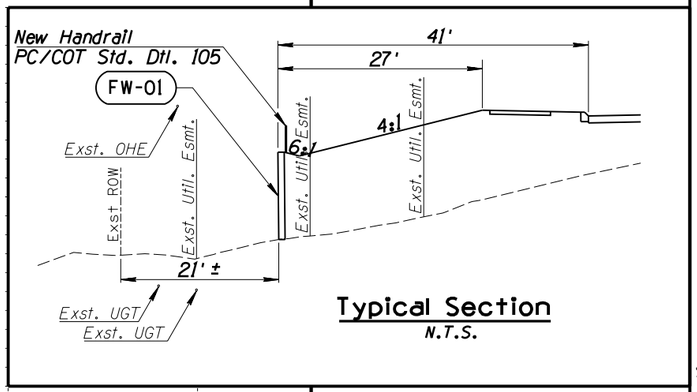


Notes:

- CW-01 — New Cut Wall, See Sheet RW01
- FW-01 — New Fill Wall
- CW-02 — New Cut Wall, See Sheet RW03
- TCE — Temporary Construction Easement
- DE — New Drainage Easement

1. MSE Wall Assumed
2. See Detail RD_ (sheets RD_ through RD_) for specifications; construction methods, and testing procedures.
3. Wall Stationing is to Face of Wall.





Typical Section
N.T.S.

LEGEND

- New Slope Protection
- New Drainage Channel

Arizona Blue Stake
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40 0 40 80'

Priscilla S. Cornelio P.E., Director

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL
PRELIMINARY - NOT FOR CONSTRUCTION

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phone: 520-887-1800

RETAINING WALL PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

Pima County Department of Transportation

Scale	Horiz. 1"= 40' Vert. 1"= 4'	Sheet RW02 of RW08	Page 121 of 130

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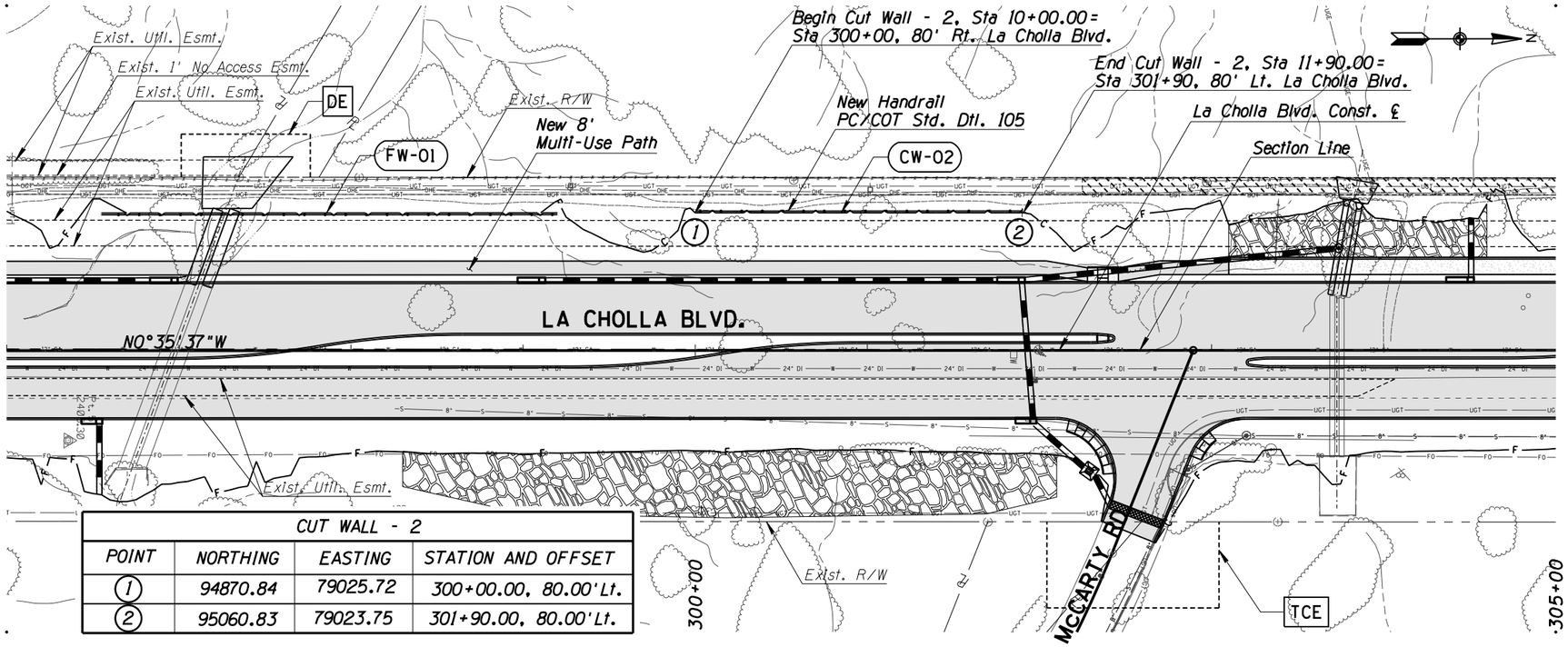


CUT WALL - 2			
POINT	NORTHING	EASTING	STATION AND OFFSET
1	94870.84	79025.72	300+00.00, 80.00'Lt.
2	95060.83	79023.75	301+90.00, 80.00'Lt.

Notes:

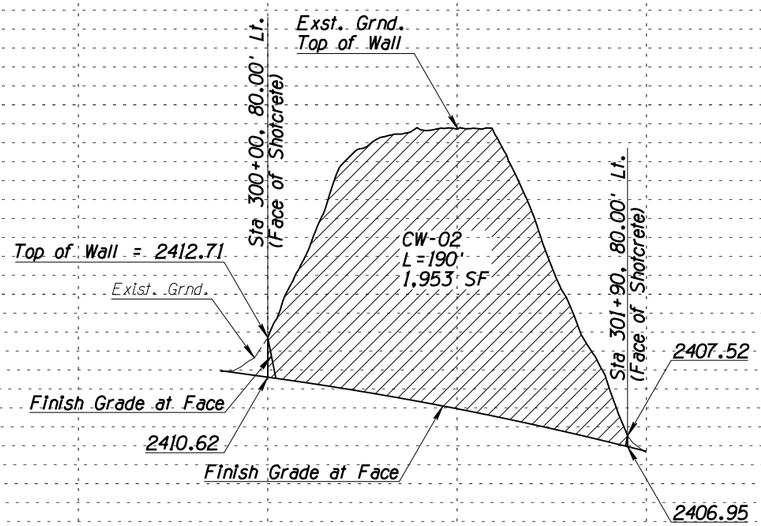
FW-01 New Fill Wall, See Sheet RW02

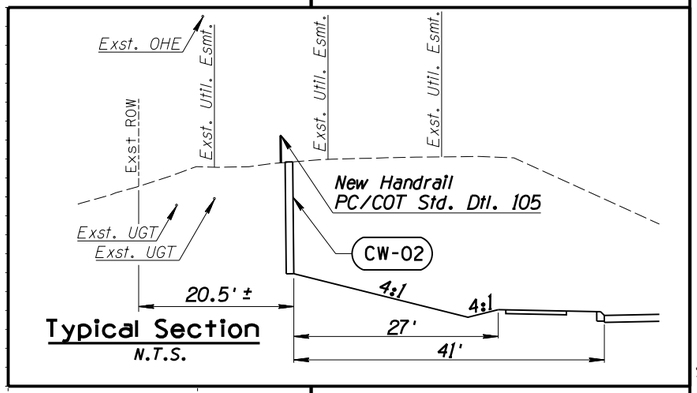
CW-02 New Cut Wall

TCE Temporary Construction Easement

DE New Drainage Easement

1. Soil Nail Wall Assumed
2. See Detail RD_ (sheets RD_ through RD_) for specifications; construction methods, and testing procedures.
3. Wall Stationing is to Face of Wall.





Typical Section
N.T.S.

LEGEND

New Slope Protection

New Drainage Channel

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40' Vert. 1"= 4'

Sheet RW03 of RW08

Page 122 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date
1			
2			
3			
4			

STAGE II SUBMITTAL

PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

RETAINING WALL PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

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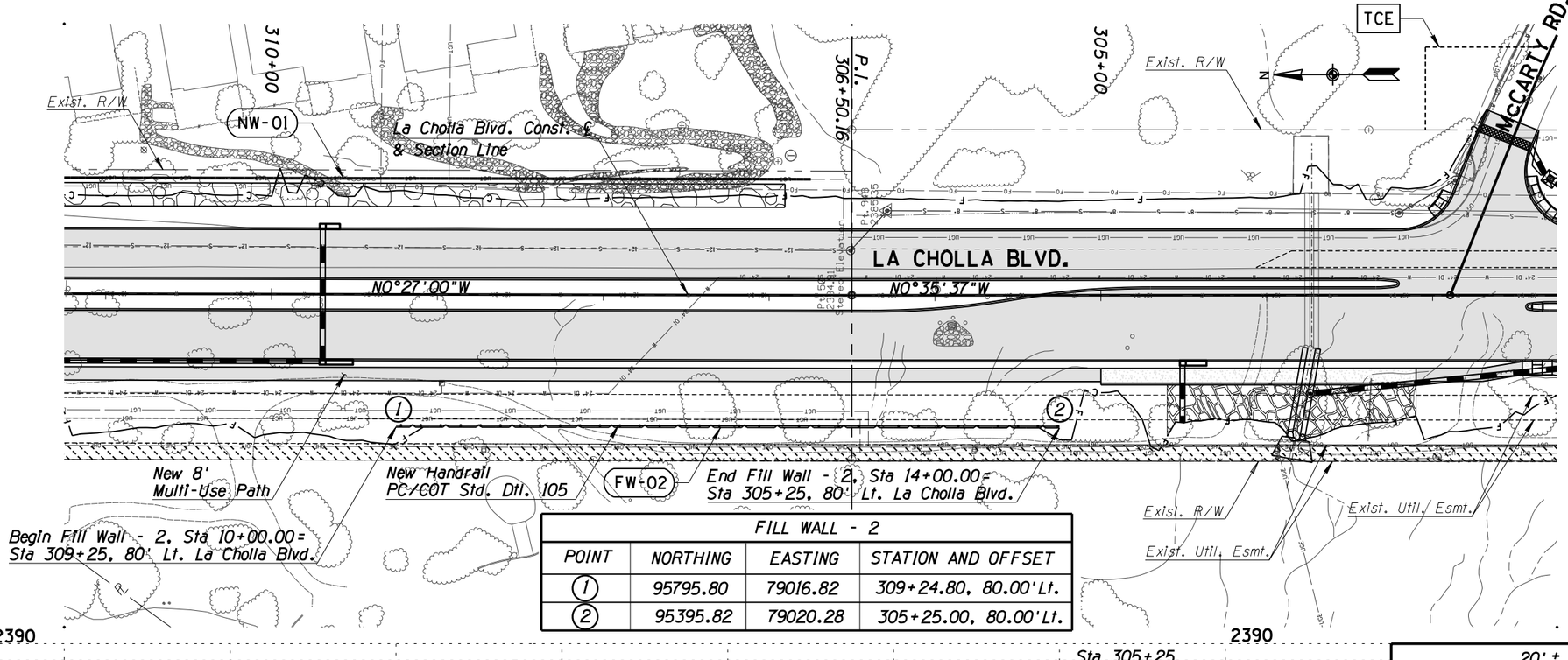
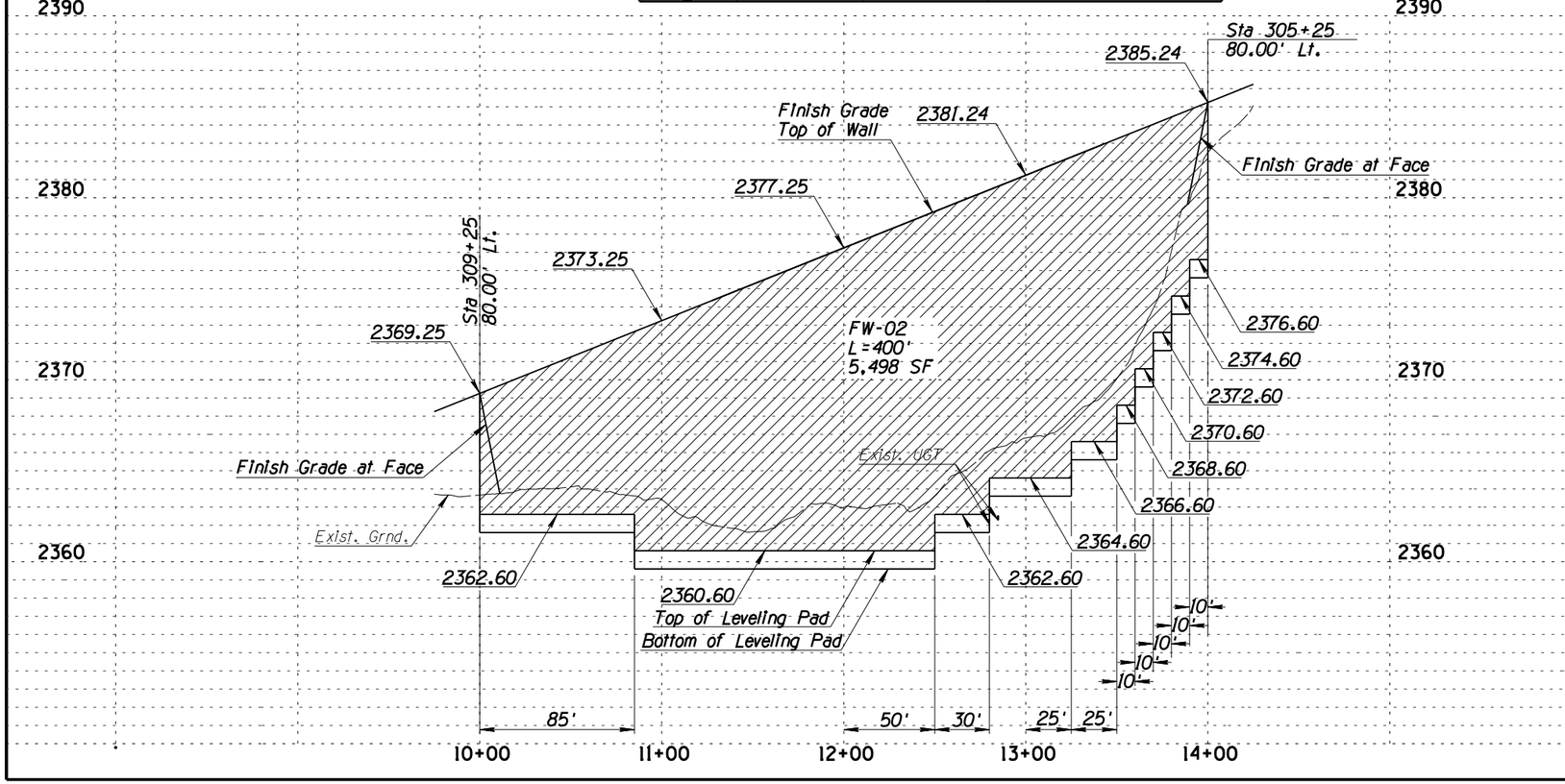
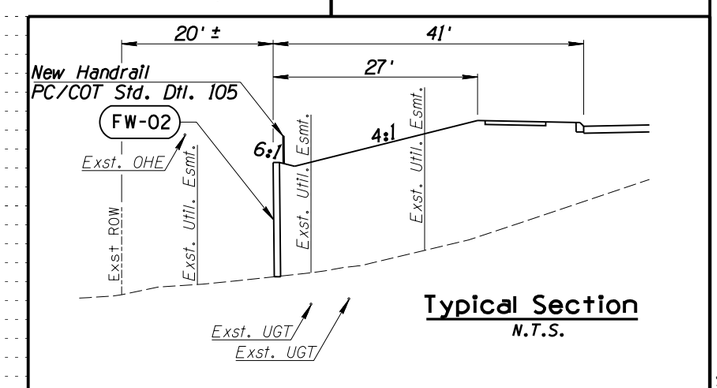
brian_ravesloot



FILL WALL - 2			
POINT	NORTHING	EASTING	STATION AND OFFSET
1	95795.80	79016.82	309+24.80, 80.00'Lt.
2	95395.82	79020.28	305+25.00, 80.00'Lt.





Notes:

FW-02 New Fill Wall

NW-01 New Noise Wall, See Sheet NW01

TCE Temporary Construction Easement

1. MSE Wall Assumed
2. See Detail RD_ (sheets RD_ through RD_) for specifications; construction methods, and testing procedures.
3. Wall Stationing is to Face of Wall.

LEGEND

New Slope Protection

New Drainage Channel

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40' Vert. 1"= 4'

Sheet RW04 of RW08

Page 123 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date
1			
2			
3			
4			

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

RETAINING WALL PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

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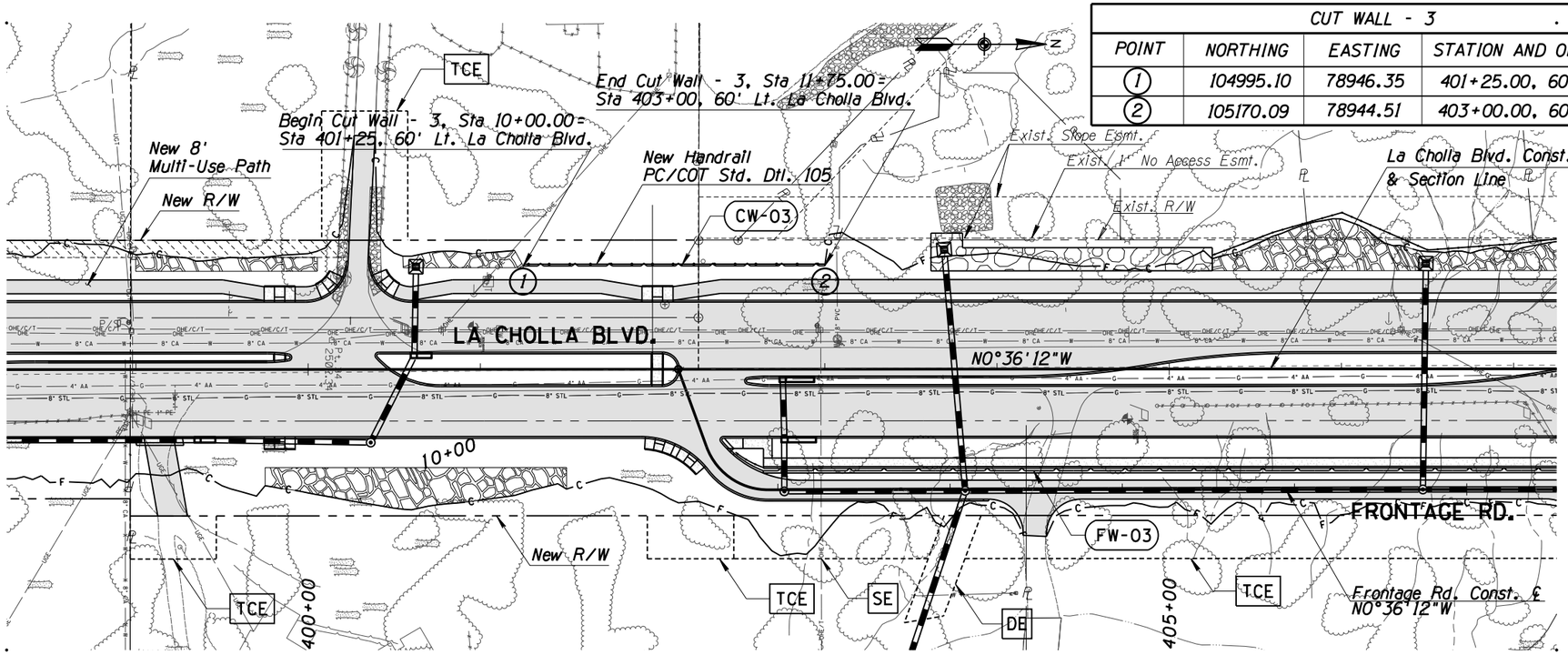
brian_ravesloot

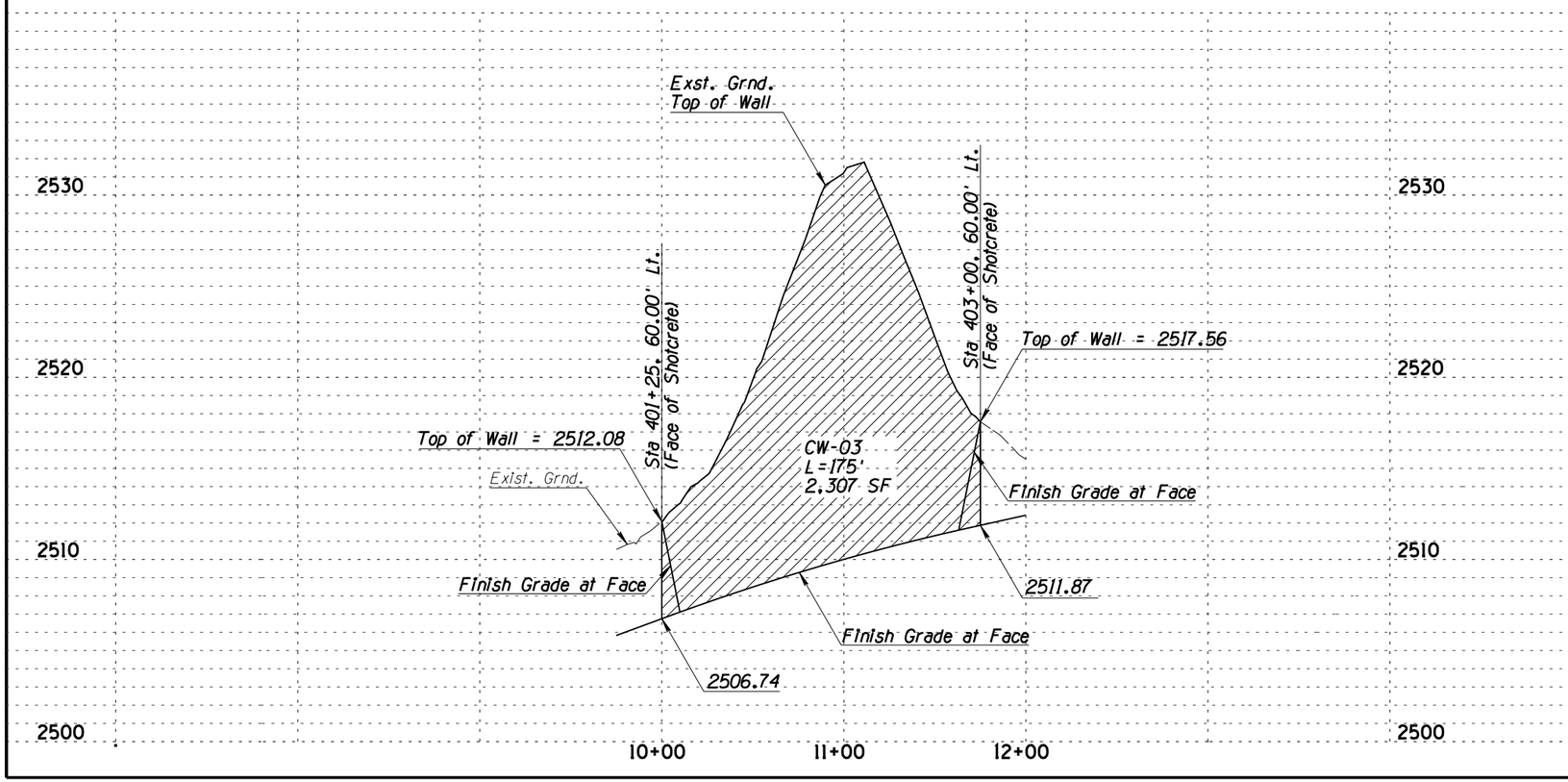


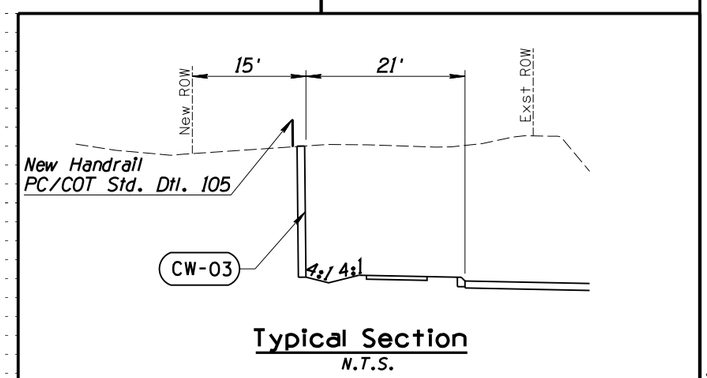
CUT WALL - 3			
POINT	NORTHING	EASTING	STATION AND OFFSET
1	104995.10	78946.35	401+25.00, 60.00'Lt.
2	105170.09	78944.51	403+00.00, 60.00'Lt.

Notes:

- (FW-03) New Fill Wall See Sheet RW06, RW07
- (CW-03) New Cut Wall
- [SE] New Slope Easement
- [DE] New Drainage Easement
- [TCE] Temporary Construction Easement

1. Soil Nail Wall Assumed
2. See Detail RD_ (sheets RD_ through RD_) for specifications; construction methods, and testing procedures.
3. Wall Stationing is to Face of Wall.





Typical Section
N.T.S.

LEGEND

- New Slope Protection
- New Drainage Channel

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' Vert. 1"= 4'	Sheet RW05 of RW08	Page 124 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL
PRELIMINARY - NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

RETAINING WALL PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

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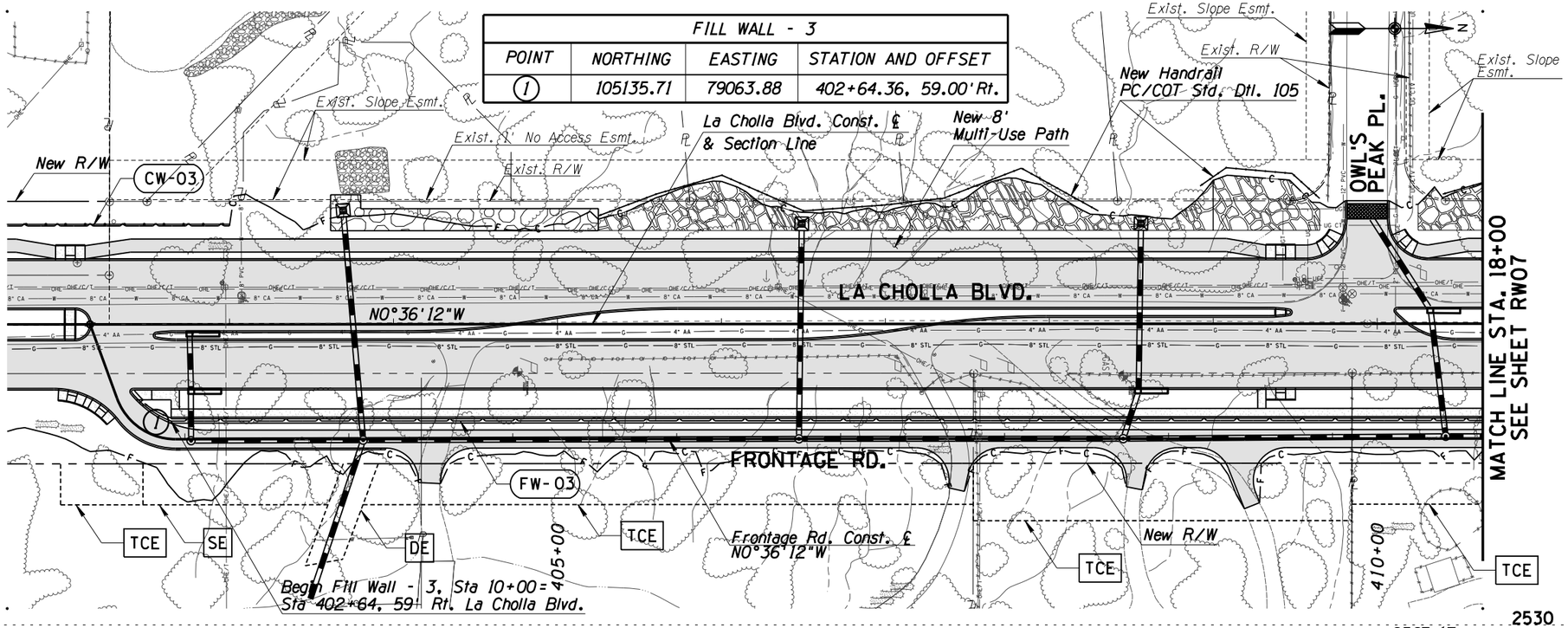
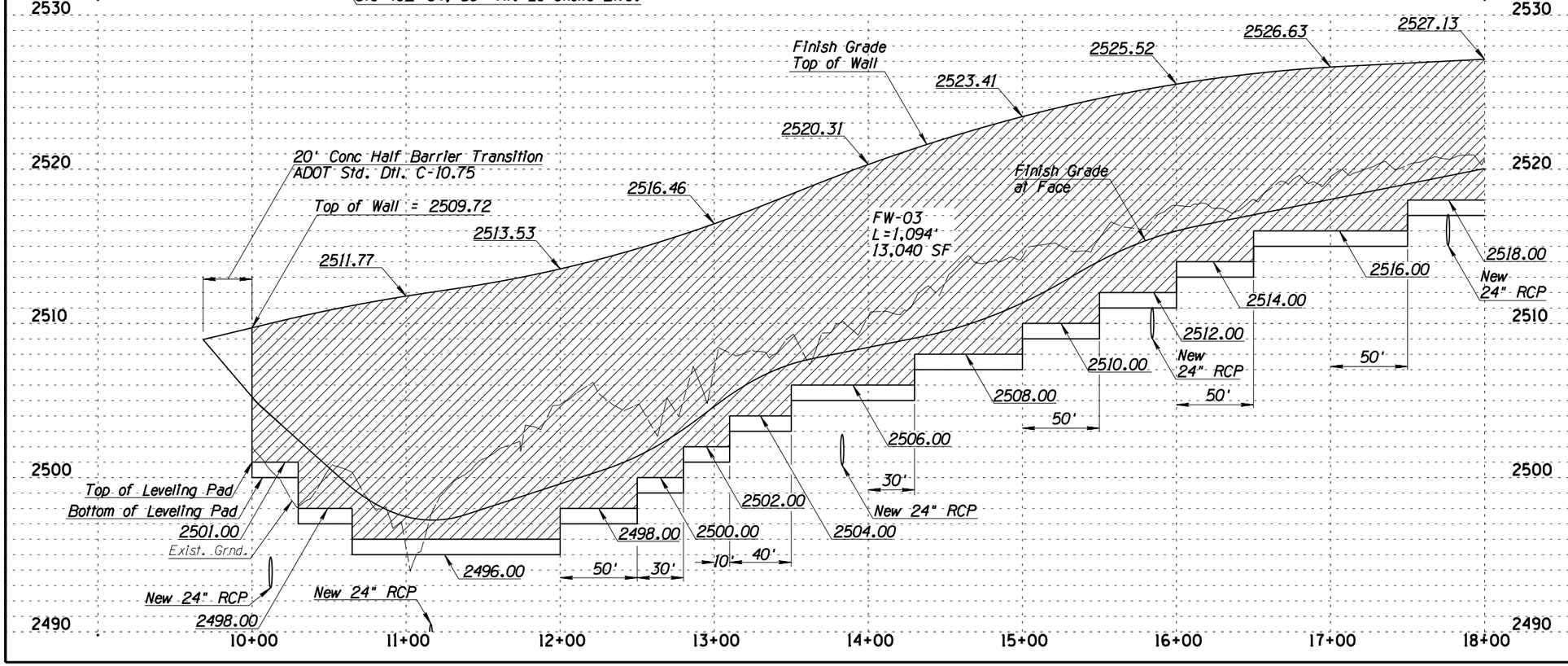
brian_ravesloot

FILL WALL - 3			
POINT	NORTHING	EASTING	STATION AND OFFSET
1	105135.71	79063.88	402+64.36, 59.00' Rt.





Notes:

- (CW-03) New Cut Wall See Sheet RW-05
- (FW-03) New Fill Wall
- [SE] New Slope Easement
- [DE] New Drainage Easement
- [TCE] Temporary Construction Easement

1. MSE Wall Assumed
2. See Detail RD_ (sheets RD_ through RD_) for specifications; construction methods, and testing procedures.
3. Wall Stationing is to Face of Wall.

SEE SHEET RW07 FOR TYPICAL SECTION

LEGEND

- New Slope Protection
- New Drainage Channel

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale: Horiz. 1"= 40' Vert. 1"= 4'

Sheet RW06 of RW08

Page 125 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

RETAINING WALL PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

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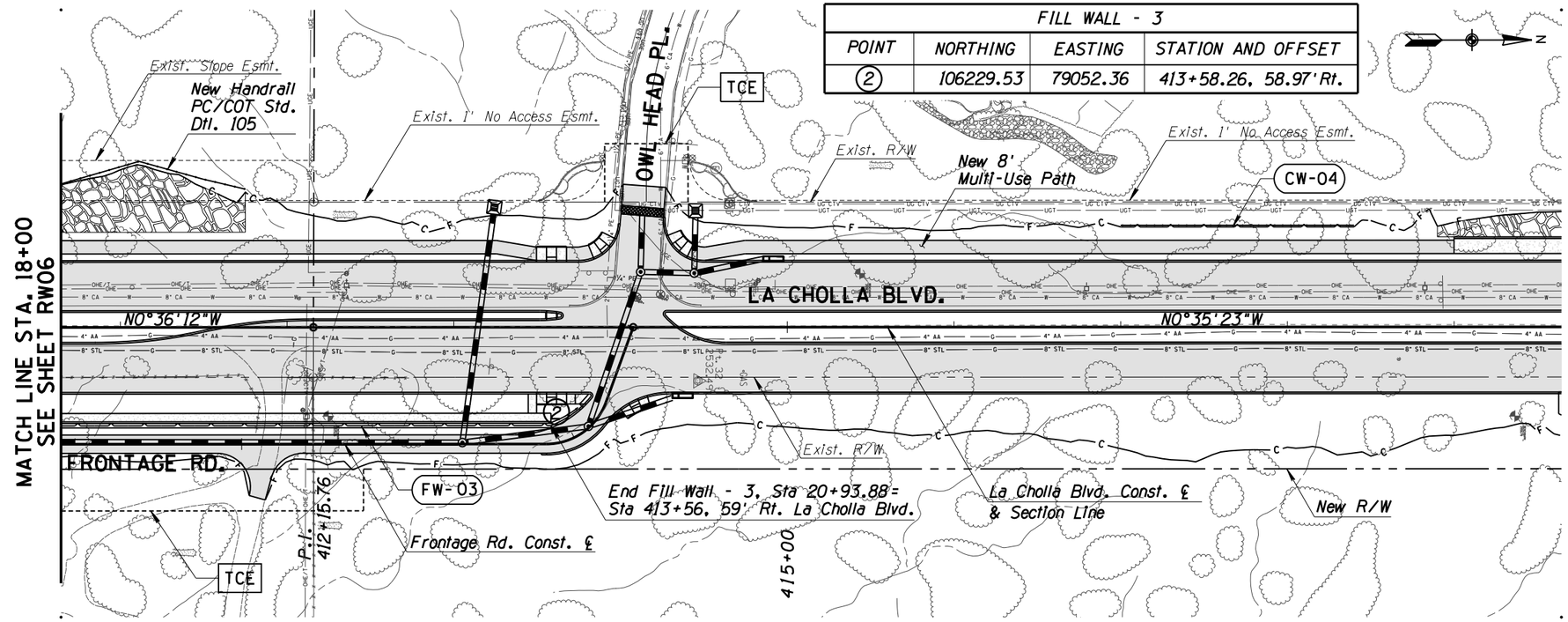
FILL WALL - 3			
POINT	NORTHING	EASTING	STATION AND OFFSET
2	106229.53	79052.36	413+58.26, 58.97' Rt.



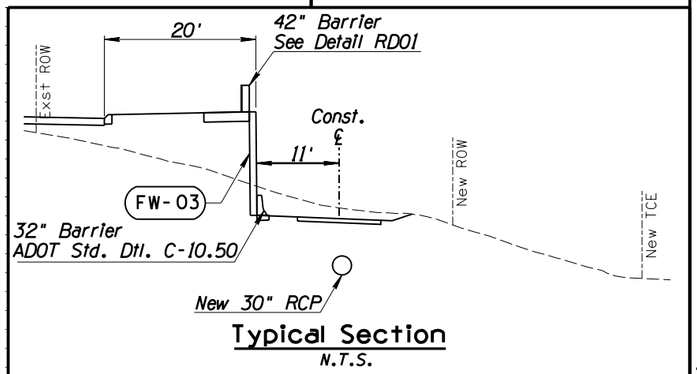
Notes:

(FW-03) New Fill Wall

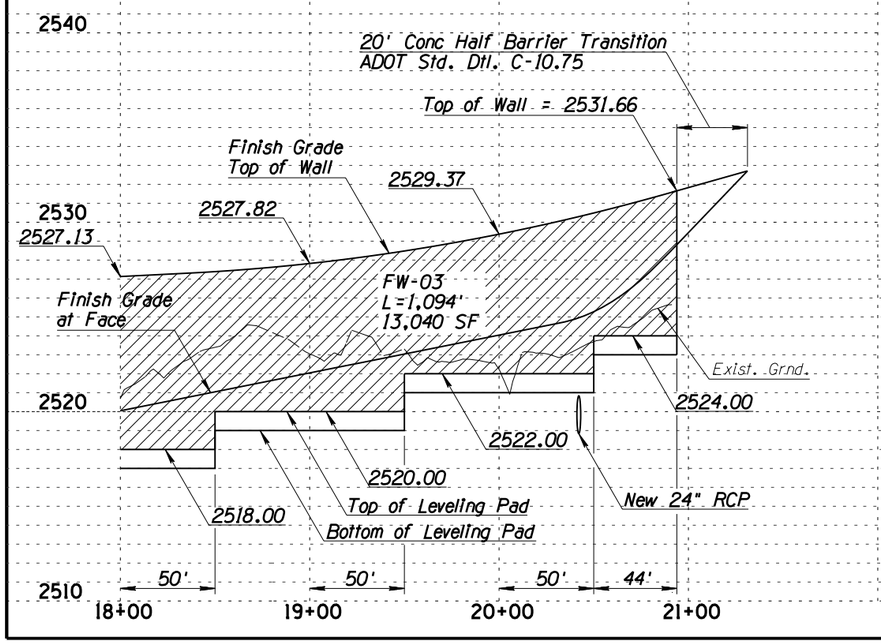
(CW-04) New Cut Wall
See Sheet RW08

[TCE] Temporary Construction Easement

1. MSE Wall Assumed
2. See Detail RD_ (sheets RD_ through RD_) for specifications; construction methods, and testing procedures.
3. Wall Stationing is to Face of Wall.



Typical Section
N.T.S.



LEGEND

New Slope Protection

New Drainage Channel

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' Vert. 1"= 4'	Sheet RW07 of RW08	Page 126 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date
1			
2			
3			
4			

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

RETAINING WALL PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

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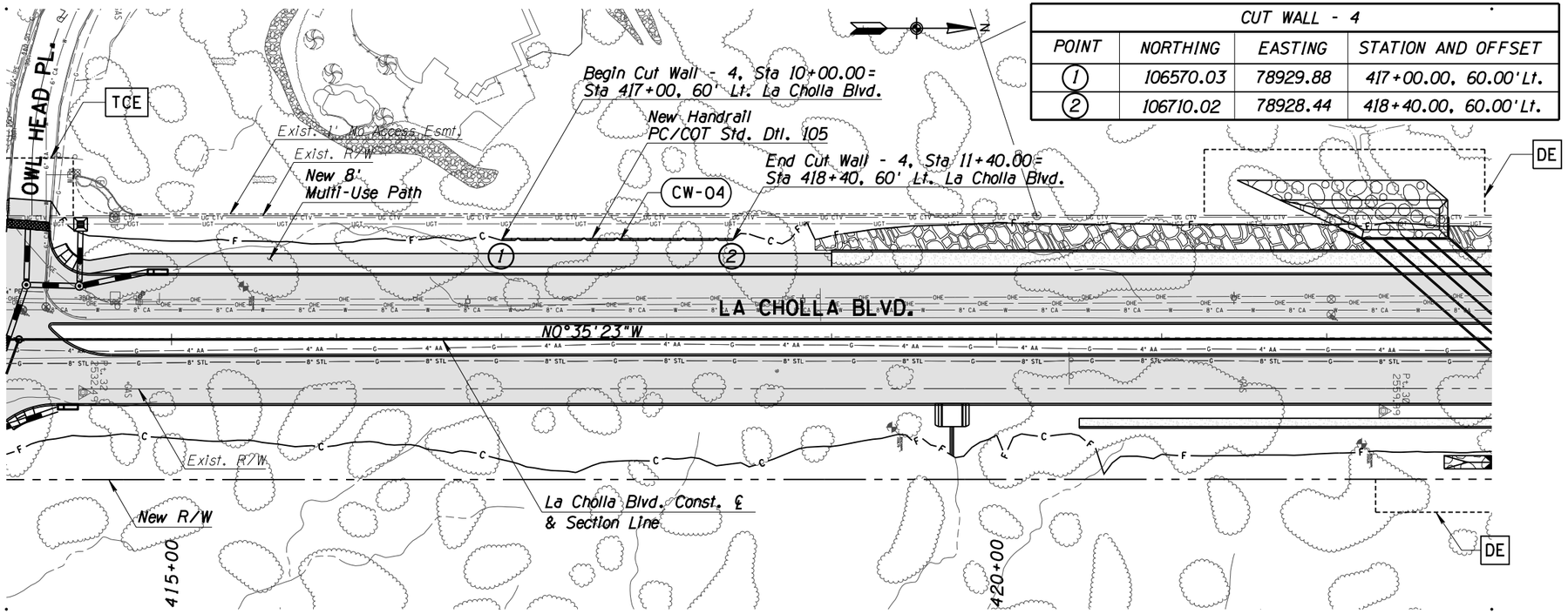


CUT WALL - 4			
POINT	NORTHING	EASTING	STATION AND OFFSET
1	106570.03	78929.88	417+00.00, 60.00'Lt.
2	106710.02	78928.44	418+40.00, 60.00'Lt.

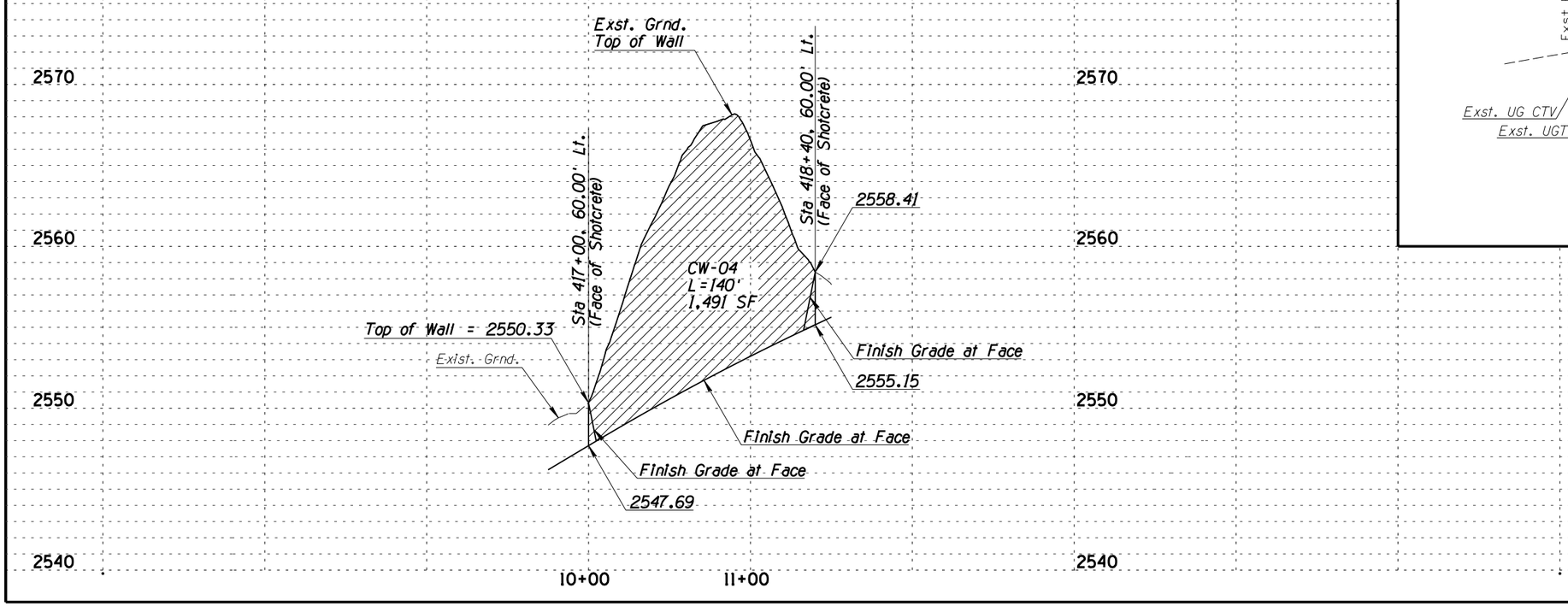
Notes:

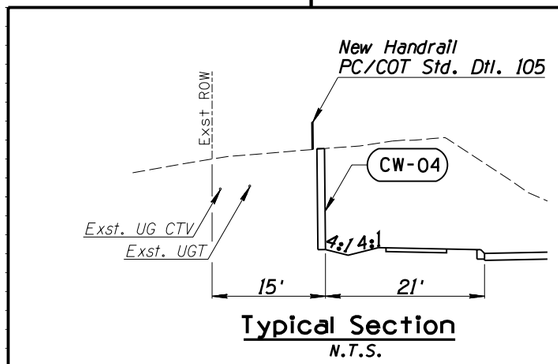
CW-04 New Cut Wall

DE New Drainage Easement

TCE Temporary Construction Easement

1. Soil Nail Wall Assumed
2. See Detail RD_ (sheets RD_ through RD_) for specifications; construction methods, and testing procedures.
3. Wall Stationing is to Face of Wall.





Typical Section
N.T.S.

For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

LEGEND

New Slope Protection

New Drainage Channel

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale Horiz. 1"= 40' Vert. 1"= 4'

Sheet RW08 of RW08

Page 127 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date
1			
2			
3			
4			

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

RETAINING WALL PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

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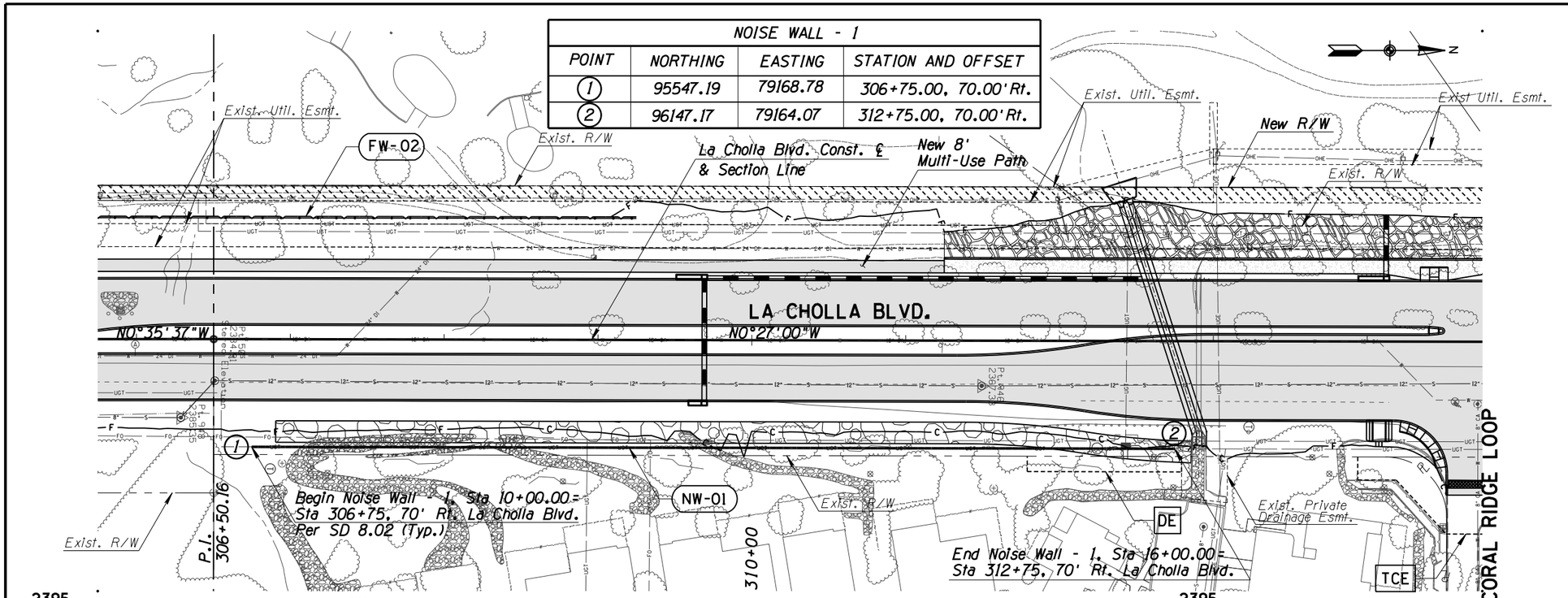
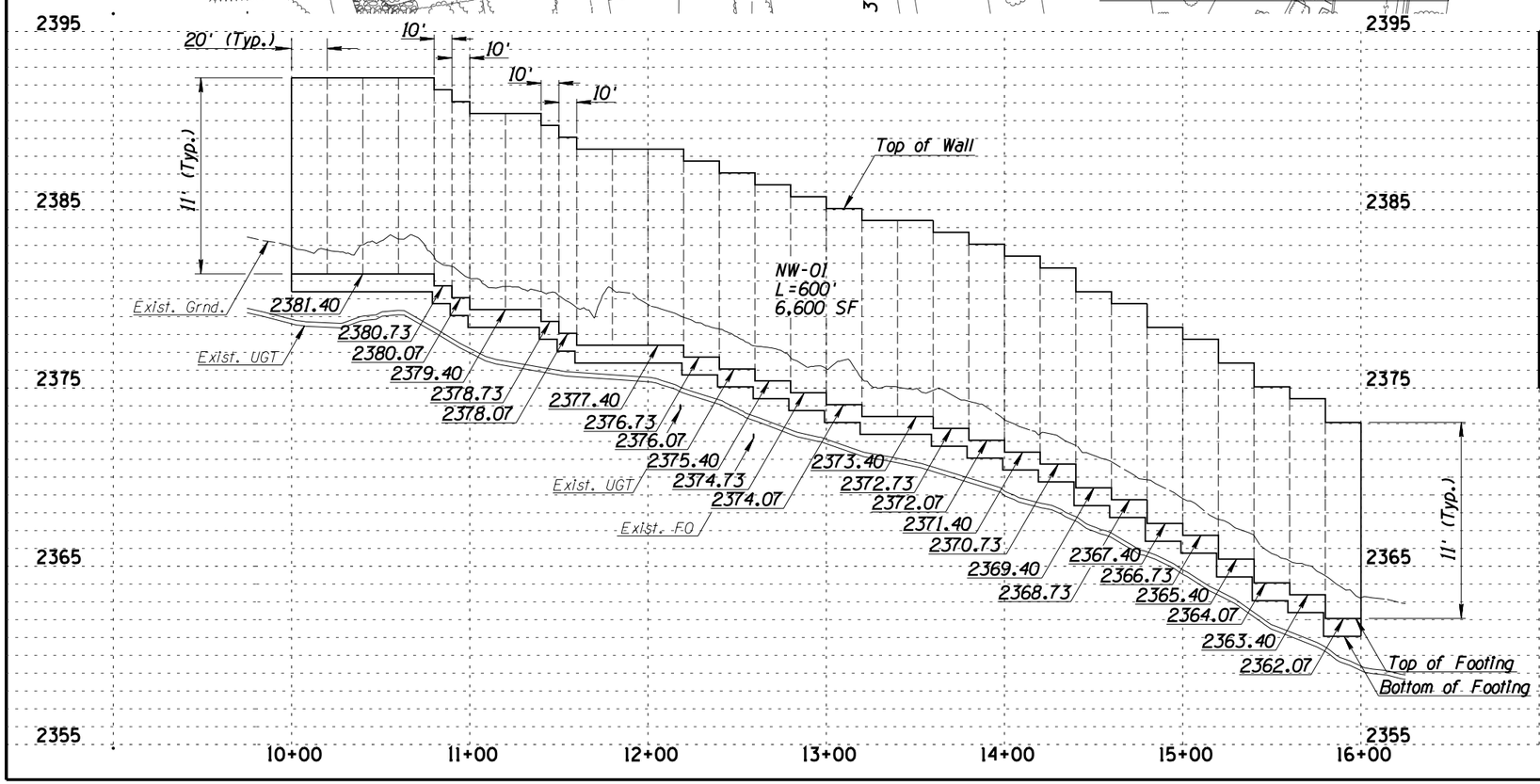
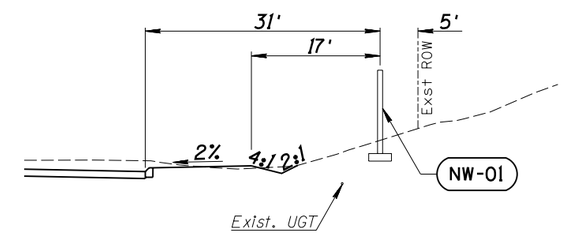
brian_ravesloot

NOISE WALL - 1			
POINT	NORTHING	EASTING	STATION AND OFFSET
1	95547.19	79168.78	306+75.00, 70.00' Rt.
2	96147.17	79164.07	312+75.00, 70.00' Rt.







Typical Section
N.T.S.

Notes:

- (FW-02) New Fill Wall See Sheet RW04
- (NW-01) New Noise Wall
- [TCE] Temporary Construction Easement
- [DE] New Drainage Easement

1. Masonry Wall Assumed
2. Wall to be Constructed per ADOT Std. Dtl. SD-8.02
3. Wall Stationing is to Center of Wall.
4. A Minimum of Two (2) Drainage Blocks Shall be Placed Between Control Joint Locations.

LEGEND

- New Slope Protection
- New Drainage Channel

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' / Vert. 1"= 4'	Sheet NW01 of NW03	Page 128 of 130

Pima County Department of Transportation

Priscilla S. Cornelio P.E., Director

Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date
1			
2			
3			
4			

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

NOISE WALL PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

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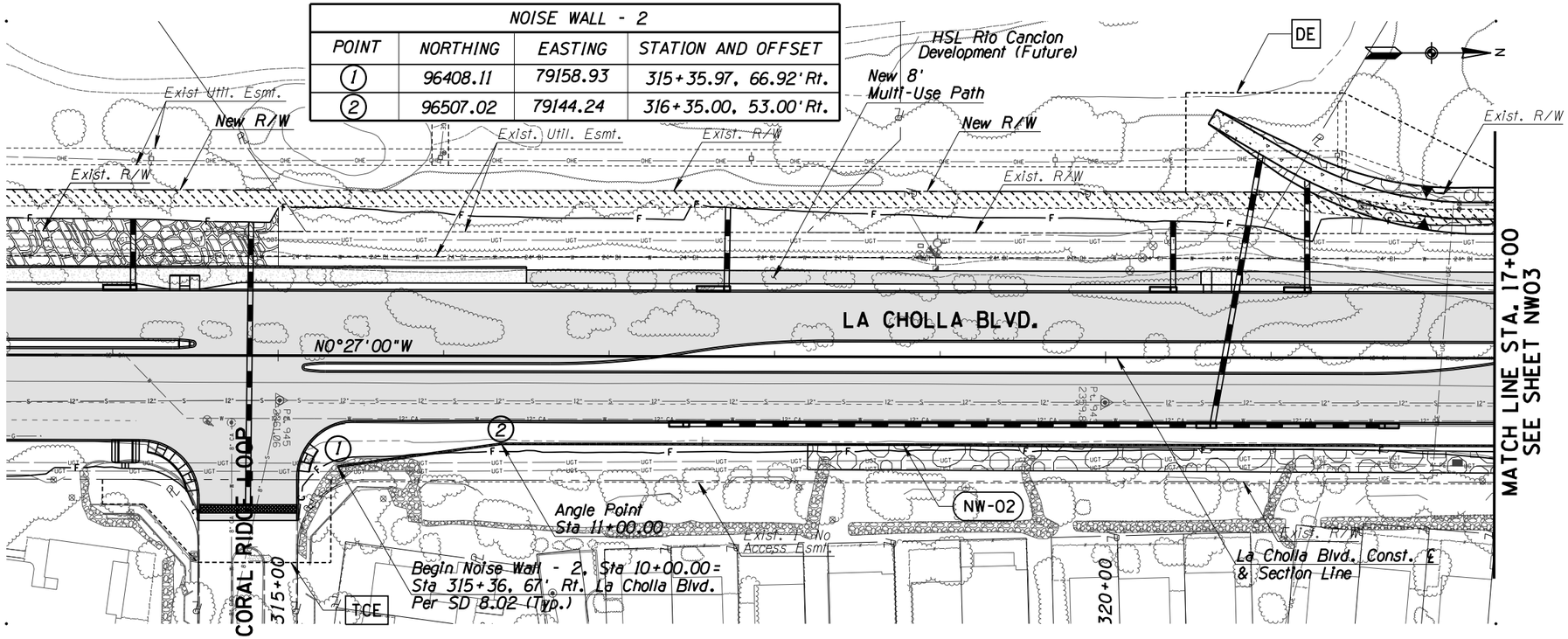
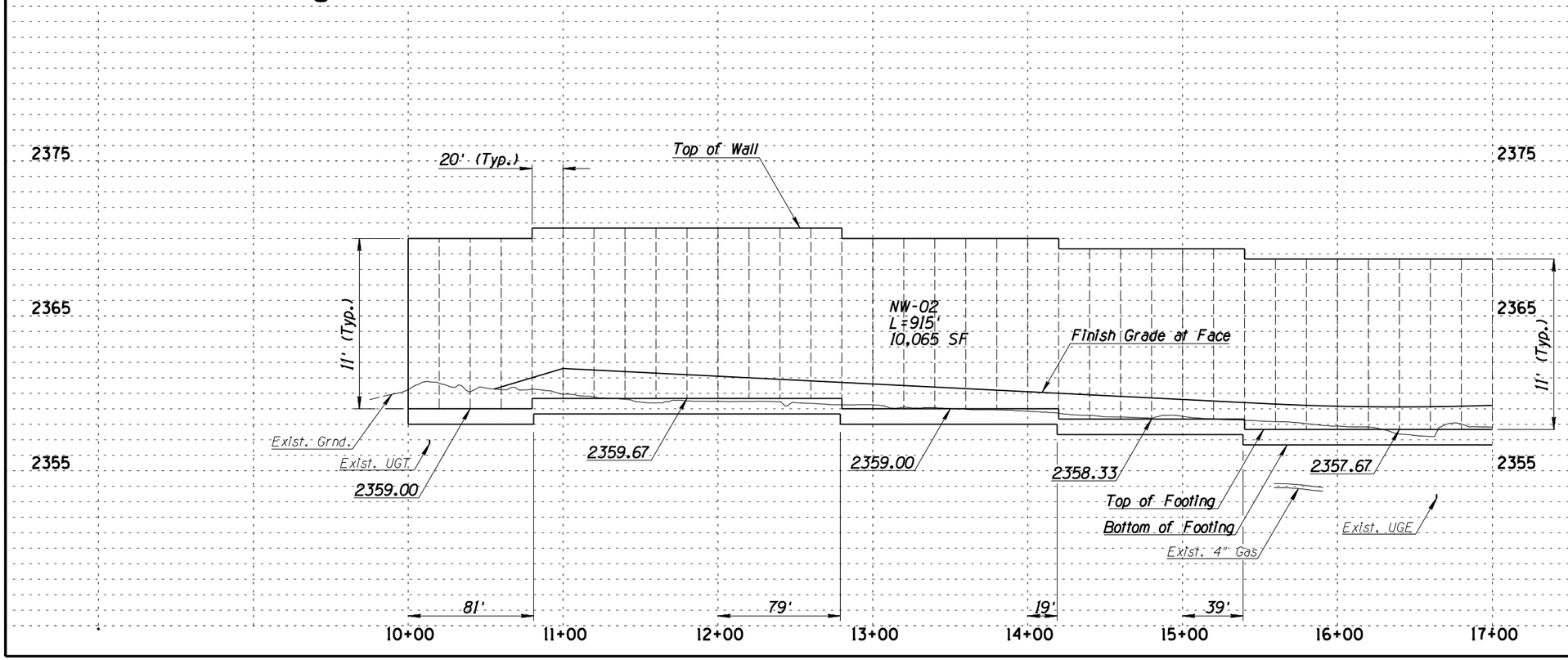
brian_ravesloot

NOISE WALL - 2			
POINT	NORTHING	EASTING	STATION AND OFFSET
1	96408.11	79158.93	315+35.97, 66.92' Rt.
2	96507.02	79144.24	316+35.00, 53.00' Rt.





Notes:

NW-02 New Noise Wall

TCE Temporary Construction Easement

DE New Drainage Easement

1. Masonry Wall Assumed
2. Wall to be Constructed per ADOT Std. Dtl. SD-8.02
3. Wall Stationing is to Center of Wall.
4. A Minimum of Two (2) Drainage Blocks Shall be Placed Between Control Joint Locations.

SEE SHEET NW03 FOR TYPICAL SECTION

LEGEND

New Slope Protection

New Drainage Channel

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Scale	Horiz. 1"= 40' / Vert. 1"= 4'	Sheet NW02 of NW03	Page 129 of 130

Priscilla S. Cornelio P.E., Director

Pima County Department of Transportation

		Date
Designed	TWW	05/10
Drawn	AA	05/10
Checked	BR	05/10
Proj. Mgr.	EJS	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL
PRELIMINARY-NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

NOISE WALL PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

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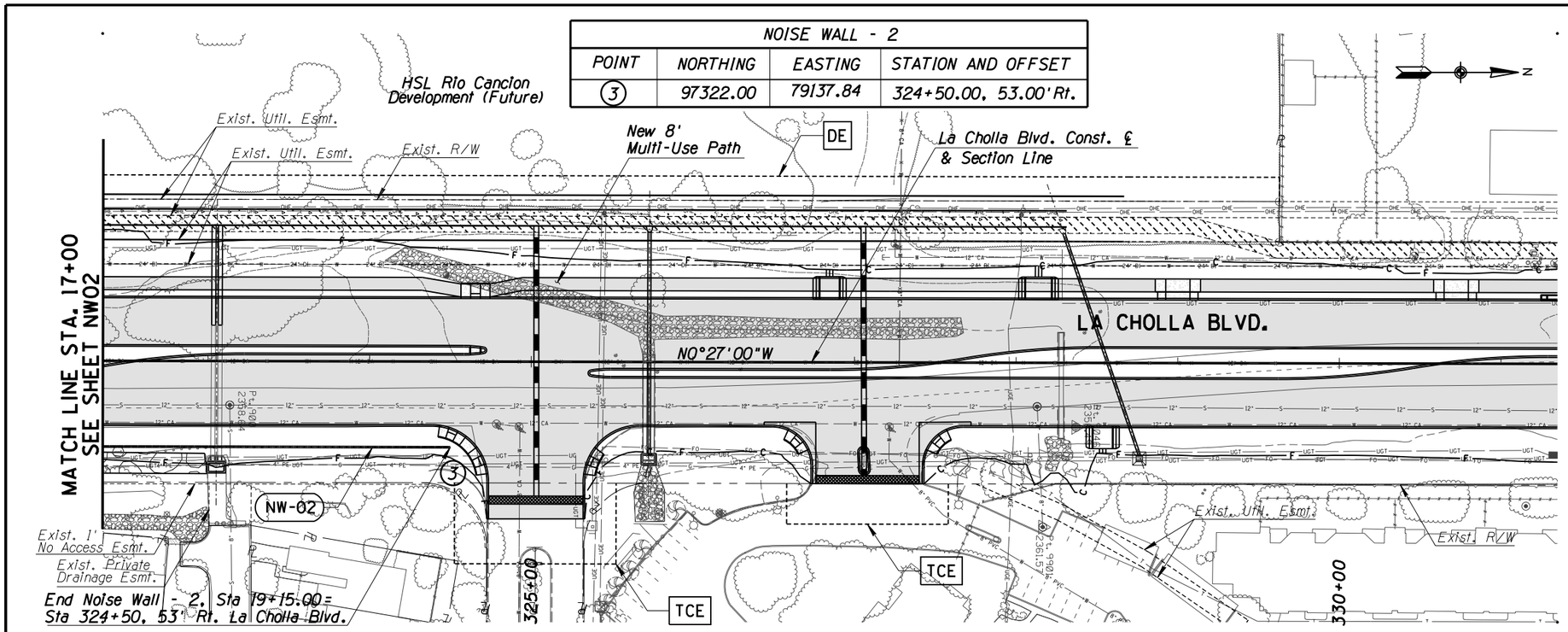
brian_ravesloot

NOISE WALL - 2			
POINT	NORTHING	EASTING	STATION AND OFFSET
3	97322.00	79137.84	324+50.00, 53.00' Rt.



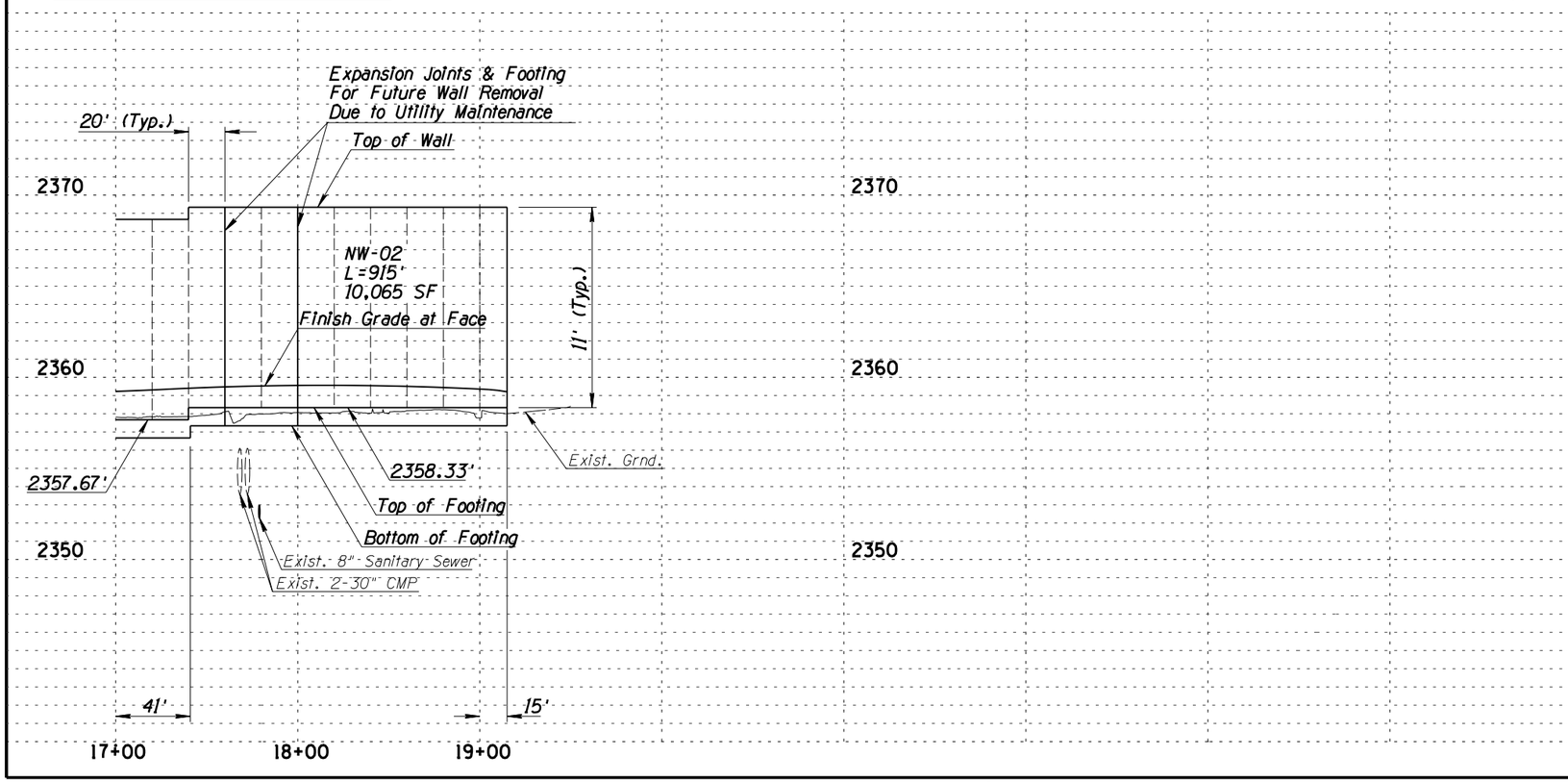
Notes:

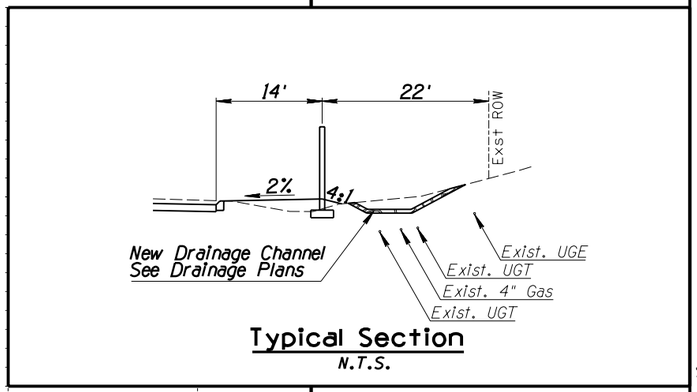
NW-02 New Noise Wall

TCE Temporary Construction Easement

DE New Drainage Easement

1. Masonry Wall Assumed
2. Wall to be Constructed per ADOT Std. Dtl. SD-8.02
3. Wall Stationing is to Center of Wall.
4. A Minimum of Two (2) Drainage Blocks Shall be Placed Between Control Joint Locations.





Typical Section
N.T.S.

LEGEND

New Slope Protection

New Drainage Channel

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

40 0 40 80'

Priscilla S. Cornelio P.E., Director

	Designed	Drawn	Checked	Proj. Mgr.
	TWW	AA	BR	EJS
Date	05/10	05/10	05/10	05/10

No.	Revision Description	Engineer	Date

STAGE II SUBMITTAL
PRELIMINARY - NOT FOR CONSTRUCTION

URS
333 East Wetmore, Suite 400
Tucson, AZ 85705
phone: 520-887-1800

Pima County Department of Transportation

NOISE WALL PLAN AND PROFILE
LA CHOLLA BLVD.
MAGEE RD. TO LAMBERT LN.
PROJECT NO. 4RTLTM

Scale	Horiz. 1"= 40' Vert. 1"= 4'	Sheet NW03 of NW03	Page 130 of 130

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brian_ravesloot