

BASIS OF BEARING

THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 11 AS MONUMENTED BY A 3.5 INCH DISC STAMPED "1/4 S11 S14 RLS 31591" AT THE SOUTH ONE QUARTER CORNER OF SAID SECTION 11 AND BY A 3" ALUMINUM DISC IN STREET WELL STAMPED "A.D.D.T. HIGHWAY DIV." AT THE SOUTHWEST CORNER OF SAID SECTION 11; SAID BEARING BEING: NORTH 89°09'23" WEST.

BASIS OF ELEVATION

A CGS DISK IN CONCRETE STAMPED "C 317 1952", LOCATED BETWEEN 2 SETS OF RAILROAD TRACKS, ELEVATION BEING 2668.43 NAVD88.

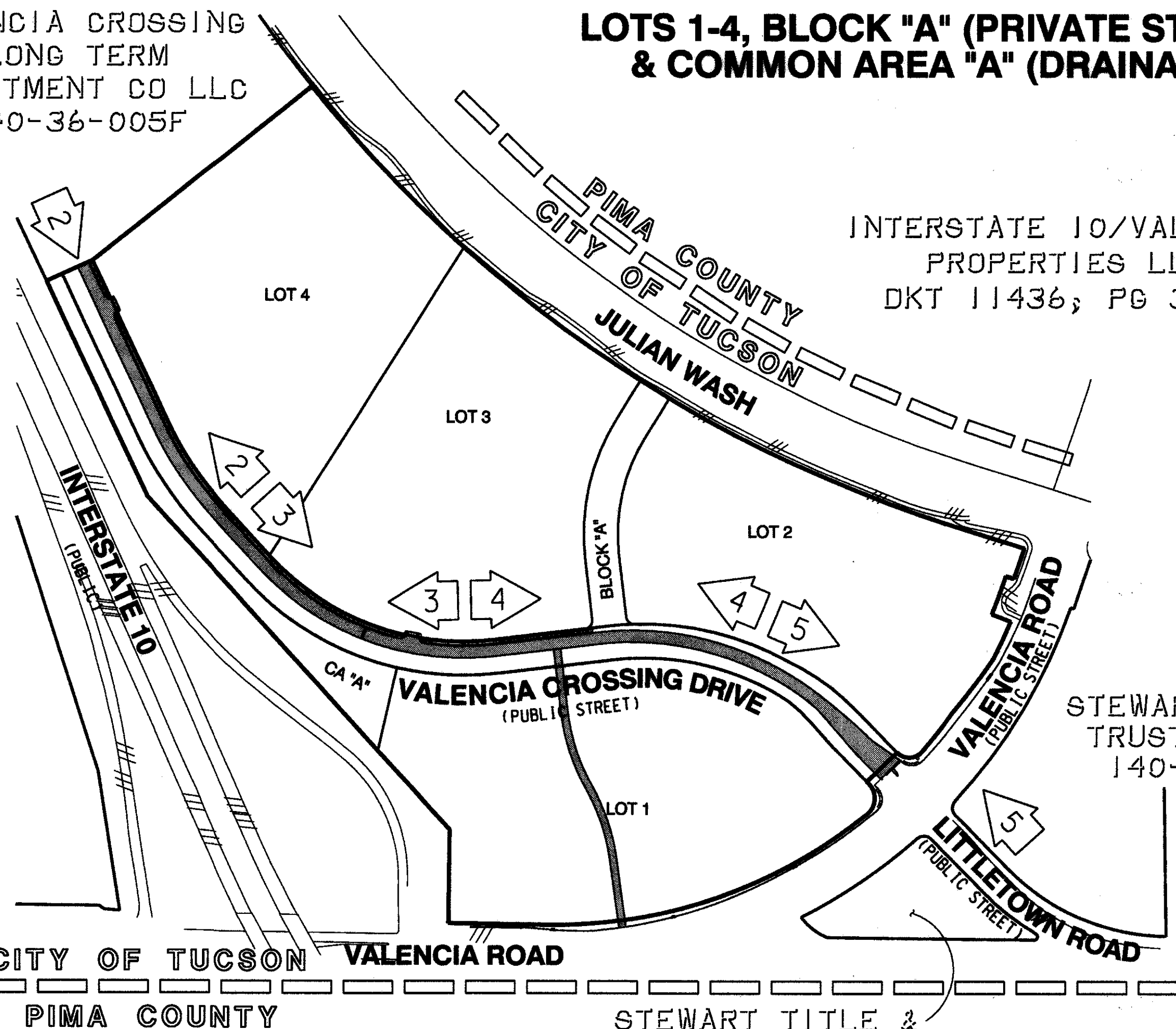
GRADING NOTES

- ALL CONSTRUCTION AND TEST METHODS SHALL BE IN CONFORMANCE WITH PIMA ASSOCIATION OF GOVERNMENTS (PAG) STANDARD SPECIFICATIONS AND STANDARD DETAILS FOR PUBLIC IMPROVEMENTS, 2015 EDITIONS. THESE MAY BE MODIFIED AND/OR SUPPLEMENTED BY THE REQUIREMENTS OF THESE PLANS.
- A GEOTECHNICAL ENGINEERING INVESTIGATION, INCLUDING RECOMMENDATIONS FOR GRADING PROCEDURES HAS BEEN PREPARED BY PATTISON EVANOFF ENGINEERING. ALL EARTHWORK OPERATIONS SHALL CONFORM TO THE RECOMMENDATIONS CONTAINED IN SAID REPORT, DATED SEPT 19, 2013, P.E.E. JN 13-129.
- TDOT ENGINEERING SHALL OBSERVE, INSPECT, AND APPROVE ALL EARTHWORK OPERATIONS, INCLUDING, BUT NOT LIMITED TO, CLEARING AND GRUBBING, SUBGRADE PREPARATION, STRUCTURAL AND TRENCH EXCAVATION AND BACKFILL, AND PLACEMENT AND COMPACTION OF FILL, IN ACCORDANCE WITH THE RECOMMENDATIONS AND SPECIFICATIONS SET FORTH IN THE SOILS REPORT.
- THE CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES WITHIN THE WORK AREA PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL CALL ARIZONA 811 AT 811, AT LEAST 2 WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION.
- THE CONTRACTOR SHALL GIVE FORTY-EIGHT (48) HOURS NOTICE WHEN HE SHALL REQUIRE THE SERVICES OF THE ENGINEER OR ANY OTHER PERSON PROPERLY AUTHORIZED FOR SUCH PURPOSE FOR LAYING OUT ANY PORTION OF THE WORK. HE SHALL ALSO DIG ALL STAKE HOLES NECESSARY TO GIVE LINE AND LEVELS AND SHALL PROVIDE ASSISTANCE CALLED FOR BY THE ENGINEER OR HIS ASSISTANTS UPON ANY PART OF THE WORK WHENEVER SO REQUESTED.
- THE CONTRACTOR SHALL PRESERVE ALL STAKES SET FOR THE LINES, LEVELS, AND/OR MEASUREMENTS OF THE WORK IN THEIR PROPER PLACES UNTIL AUTHORIZED TO REMOVE THEM BY THE ENGINEER. ANY EXPENSE INCURRED IN REPLACING ANY STAKES WHICH THE CONTRACTOR OR HIS SUBORDINATES MAY HAVE FAILED TO PRESERVE SHALL BE CHARGED TO THE CONTRACTOR.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH, HAUL AND APPLY ALL WATER REQUIRED FOR COMPACTION AND FOR THE CONTROL OF DUST FROM CONSTRUCTION ACTIVITY. THE COST THEREOF IS TO BE INCLUDED IN THE GRADING CONSTRUCTION PRICE.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL REGULATIONS AND REQUESTS BY THE CITY OF TUCSON AND PIMA COUNTY REGARDING DUST POLLUTION.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CALCULATE HIS OWN EARTHWORK QUANTITIES AND SUBMIT HIS BID BASED THEREON.
- ALL ORGANIC MATERIAL SHALL BE REMOVED WITHIN THE CLEARING LIMITS FOR NECESSARY GRADING TO A DEPTH OF SIX (6) INCHES AND HAULED FROM THE SITE PRIOR TO GRADING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CARE, MAINTENANCE, REPAIR AND/OR REPLACEMENT OF EXISTING IMPROVEMENTS IN THE WORK AREA WHICH HAVE BEEN REMOVED AND/OR DAMAGED DURING THE COURSE OF CONSTRUCTION. ALL REPAIR, REPLACEMENT, AND/OR CLEANUP SHALL BE DONE TO THE SATISFACTION OF THE OWNER.
- ANY ENGINEERING WORK TO BE DONE BELOW GRADE (I.E. TOE-DOWNS, CUTOFF WALLS, DRAINAGE PIPES/STRUCTURES, ETC.) SHALL NOT BE BACK FILLED UNTIL A PLANNING AND DEVELOPMENT SERVICES DEPARTMENT (PDS) INSPECTOR INSPECTS THE WORK AND APPROVES IT.
- THE CONTRACTOR IS NOT PERMITTED TO MAKE AN AUTONOMOUS DECISION TO CARRY OUT CONSTRUCTION FIELD CHANGES WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER OF RECORD AND THE CITY OF TUCSON PDS.
- CALL FOR STORM WATER POLLUTION PREVENTION PLAN (SWPPP) INSPECTION AND PRE-CONSTRUCTION MEETINGS. FOR A PDS ENGINEERING INSPECTION, CALL IVR AT (520) 740-6970, OR SCHEDULE WITH A CUSTOMER SERVICE REPRESENTATIVE AT THE PDS, OR CONTACT PDS ENGINEERING AT (520) 791-5550, EX 2101, OR SCHEDULE INSPECTIONS ONLINE AT: [HTTP://CMS3.TUCSONAZ.GOV/PDS/INSPECTIONS](http://cms3.tucsonaz.gov/pds/inspections)
- THE PROJECT WILL BE IN COMPLIANCE WITH CITY OF TUCSON TECHNICAL STANDARDS MANUAL SECTION 2-01.0.0 (EXCAVATION AND GRADING).

PAVING NOTES

- ALL CONSTRUCTION AND TEST METHODS SHALL BE IN CONFORMANCE WITH PIMA ASSOCIATION OF GOVERNMENTS (PAG) STANDARD SPECIFICATIONS AND STANDARD DETAILS FOR PUBLIC IMPROVEMENTS, 2015 EDITIONS.
- DRAINAGE PIPE SHALL CONFORM TO PAG STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS SECTION 501 OR AS DIRECTED BY THE ENGINEER.
- PIPE BEDDING SHALL CONFORM TO PAG STANDARD DETAILS FOR PUBLIC IMPROVEMENTS STANDARD DETAIL 108.
- AGGREGATE BASE COURSE SHALL CONFORM TO PAG STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, SECTION 303, UNLESS OTHERWISE SPECIFIED.
- ASPHALTIC CONCRETE SHALL CONFORM TO CITY OF TUCSON MIX #2, UNLESS OTHERWISE SPECIFIED.

VALENCIA CROSSING LONG TERM INVESTMENT CO LLC
140-36-005F



PAVING NOTES - CONTINUED

- ALL CONCRETE SHALL COMPLY WITH PAG STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, SECTION 1006, CLASS S, 3,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS, UNLESS OTHERWISE SPECIFIED.
- ALL DRAINAGE INFRASTRUCTURE, AS INDICATED ON THE PLANS, ARE IN ACCORDANCE WITH THE APPROVED DRAINAGE REPORT AS APPROVED BY THE DEVELOPMENT SERVICES DEPARTMENT.
- ALL REVISIONS TO THE APPROVED PLANS FOR THIS PROJECT MUST BE CLEARED BY THE CITY OF TUCSON CITY ENGINEER'S PERMITS AND CODES SECTION PRIOR TO CONSTRUCTION.
- THE CITY OF TUCSON SHALL NOT BE HELD LIABLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS. ITEMS NOT MEETING CIT STANDARDS SHALL BE REPAIRED AND/OR REPLACED AT NO COST TO THE CITY.
- THE ENGINEER OF RECORD SHALL SUBMIT TO THE CITY FOR REVIEW ANY CHANGES TO THE APPROVED PLANS PRIOR TO CONSTRUCTION. ADDITIONALLY, THE ENGINEER OF RECORD SHALL CERTIFY ALL CHANGES MEETING ALL APPLICABLE STANDARDS, CODES, OR ORDINANCES.
- AN EXCAVATION PERMIT SHALL BE OBTAINED FROM THE CITY OF TUCSON TRANSPORTATION DEPARTMENT, PRIOR TO ANY WORK IN THE PUBLIC RIGHT-OF-WAY.
- A PRE-CONSTRUCTION FIELD MEETING SHALL BE CONDUCTED WITH THE CITY OF TUCSON INSPECTOR PRIOR TO ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
- THE EXTENT AND TYPE OF SURFACE TREATMENTS/REPAIRS INDICATED ON THE PLANS MAY NOT BE ALL INCLUSIVE OF THE WORK THAT IS NEEDED. ADDITIONAL REPAIRS, PAVING, OR REPLACEMENT MAY BE NEEDED DEPENDING ON FIELD CONDITIONS.
- THE CONTRACTOR SHALL CONTACT AND/OR COORDINATE ANY WORK WITH CITY OF TUCSON STREETS & TRAFFIC MAINTENANCE DIVISION, MEDIAN ISLAND MAINTENANCE SECTION (520) 791-5279, EXT 234, PRIOR TO DISTURBING ANY CITY OF TUCSON DEPARTMENT OF TRANSPORTATION LANDSCAPING OR IRRIGATION SYSTEMS. ADDITIONALLY, THE CONTRACTOR SHALL REPAIR OR REPLACE ANY DISTURBED CITY OF TUCSON DEPARTMENT OF TRANSPORTATION LANDSCAPING OR IRRIGATION SYSTEMS, INCLUDING REPLACEMENT OF ANY DAMAGED PLANTS. CONTACT GARY WITTMER AT (520) 400-2645 FOR INSPECTION AND PERMITS FOR LANDSCAPING. FOR IRRIGATION REMOVAL AND/OR REPLACEMENT CONTACT PAUL ROSENBOOM AT (520) 237-7386.

INTERIM ROADWAY IMPROVEMENT PLANS FOR VALENCIA CROSSING INFRASTRUCTURE

LOTS 1-4, BLOCK "A" (PRIVATE STREET) & COMMON AREA "A" (DRAINAGE)

INTERSTATE 10/VALENCIA PROPERTIES LLC
DKT 11436; PG 3126

STEWART TITLE & TRUST TR 2549
140-36-005C

ADMINISTRATIVE ADDRESS

4975 EAST BENSON HIGHWAY
TUCSON, AZ 85706

EARTHWORK QUANTITIES:

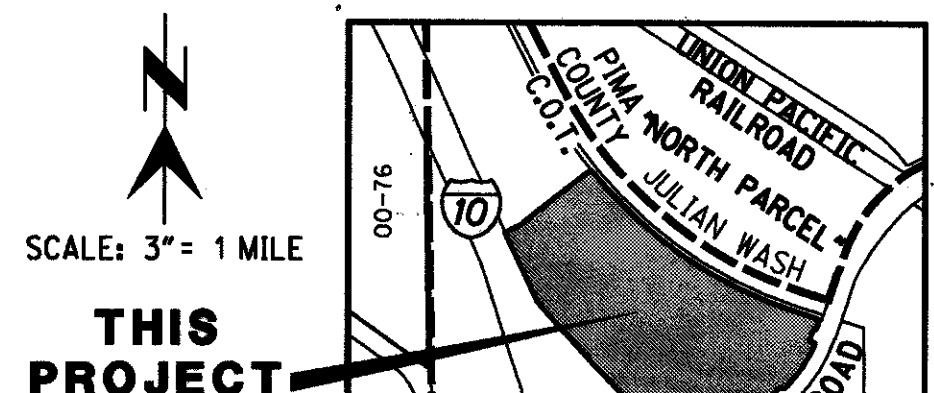
CUT: 12,200 CY
FILL: 11,000 CY
IMPORT/EXPORT: 1,200 CY EXPORT

NOTE: EARTHWORK QUANTITIES ARE ESTIMATED FOR PERMITTING PURPOSES ONLY AND ARE NOT USED FOR PAYMENT QUANTITIES. CONTRACTOR SHALL VERIFY QUANTITIES.

PAVING NOTES - CONTINUED

- THE INSPECTOR SHALL FIELD VERIFY THAT THE SAWCUT LINE IS LOCATED WITHIN COMPETENT PAVEMENT. ADJUSTMENTS TO THE PLAN SHALL BE DOCUMENTED AND AS-BUILT; A ONE-FOOT MINIMUM SHALL BE PROVIDED.
- THE CONTRACTOR SHALL OBTAIN ALL PERMITS AS REQUIRED BY LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- AN APPROVED COPY OF THIS PLAN SHALL BE KEPT AT THE JOBSITE AT ALL TIMES DURING CONSTRUCTION.
- STREET STRIPING AND SIGNAGE SHALL BE COORDINATED WITH CITY OF TUCSON TRAFFIC ENGINEERING AND INSTALLED AT NO EXPENSE TO THE PUBLIC. CALL TRAFFIC ENGINEERING AT (520) 791-4259 PRIOR TO INSTALLATION OR REMOVAL OF STRIPING AND SIGNAGE. IF ANY OMITTED/ADDITIONAL SIGNS ARE DEEMED NECESSARY, THE CONTRACTOR SHALL INSTALL THESE AT NO ADDITIONAL EXPENSE TO THE PUBLIC.
- UPON COMMENCEMENT OF WORK, TRAFFIC CONTROL DEVICES SHALL BE POSTED AND MAINTAINED BY THE CONTRACTOR UNTIL SUCH TIME AS THE WORK IS COMPLETED. ALL WARNING SIGNS BARRICADES ETC. SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES ADOPTED BY THE STATE OF ARIZONA PURSUANT TO A.R.S. 28-650. CONTACT TRAFFIC ENGINEERING, (520) 791-4259, 48-HOURS PRIOR TO PLACING OR REMOVING ANY SAID TRAFFIC CONTROL DEVICES.
- CONTRACTOR SHALL CALL ARIZONA 811 AS MANDATED BY THE ARIZONA REVISED STATUTES AT 811 BEFORE ANY CONSTRUCTION BEGINS TO VERIFY LOCATION OF EXISTING UTILITIES SHOWN OR NOT SHOWN. EXISTING UTILITY LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES WITHOUT DAMAGING SAME. DAMAGED UTILITIES SHALL BE REPAIRED AT NO EXPENSE TO THE CITY.

FOR CONTINUATION OF PAVING NOTES, STORM DRAIN NOTES AND GENERAL NOTES - SEE SHEET 10
FOR SIGNING AND STRIPING NOTES - SEE SHEET 7



OWNER/DEVELOPER

DESERT PARCEL 510 ASSOCIATES, L.L.C., BENEFICIARY OF STEWART TITLE & TRUST #2549
C/O TERRAMAR PROPERTIES, INC.
2200 EAST RIVER ROAD, SUITE 105
TUCSON, ARIZONA 85718
(520) 577-7800
ATTN: MR. BOB MORKEN JR.

LOCATION MAP

SECTION 11, T 15 S, R 14 E
G & SRM
CITY OF TUCSON WARD #5
PIMA COUNTY, ARIZONA
LAT: 32°08'15.8" LONG: -110°53'08.6"
PIMA COUNTY DATUM

WORK TO BE DONE

THE IMPROVEMENTS AND GRADING CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS AND SPECIFICATIONS AND STANDARD DETAILS:

STANDARD SPECIFICATIONS

- STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS (2015 EDITION), PIMA ASSOCIATION OF GOVERNMENTS (PAG).
- STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (2016 EDITION) PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT.

STANDARD DETAILS/DRAWINGS

- STANDARD DETAILS FOR PUBLIC IMPROVEMENTS (2015 EDITION), PIMA ASSOCIATION OF GOVERNMENTS (PAG).
- PAVEMENT MARKING DESIGN MANUAL (AUGUST 2008 EDITION), PIMA COUNTY CITY OF TUCSON.
- TRAFFIC SIGNING DESIGN MANUAL (MAY 2002 EDITION), PIMA COUNTY AND CITY OF TUCSON.
- THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION.

LEGEND

ITEM	STANDARD DETAIL	SYMBOL
A.C. PAVING	SEE DETAIL D, SHEET 8	[Symbol]
CONCRETE SIDEWALK	SD 200	[Symbol]
6" VERTICAL CURB (TYPE 1)	SD 209	[Symbol]
THICKENED EDGE	SEE DETAIL G, SHEET 8	[Symbol]
TOP OF CURB ELEVATION		TC 52.50
FINISHED SURFACE ELEVATION		FS 52.00
FINISHED GRADE ELEVATION		FG 57.0
BEGIN VERTICAL CURVE		BVC
POINT OF VERTICAL CURVE		PI
END OF VERTICAL CURVE		EVC
HIGH POINT		HP II
LOW POINT		LP II
EXIST ELEVATION		49.50
STORM DRAIN	SD 108, SEE NOTES	[Symbol]
RIP RAP PAD		[Symbol]
DETAIL REFERENCE	A = DETAIL IDENTIFICATION, 1 = SHEET SHOWING DETAIL	[Symbol]
PROPOSED SLOPE		[Symbol]
RIP RAP SLOPE PROTECTION		[Symbol]
GRouted RIP RAP SECTION		[Symbol]
EXIST CONTOUR		2750
PROPOSED CONTOUR		2800
DAYLIGHT LINE		[Symbol]
EASEMENT LINE		[Symbol]
DIRECTION OF FLOW OR SWALE		[Symbol]
CURB ACCESS RAMP	SD 207 (UNLESS OTHERWISE NOTED)	[Symbol]
SURVEY MONUMENT	SD 103	[Symbol]
PAVEMENT MARKINGS		[Symbol]
EXIST SEWER AND MANHOLE		[Symbol]
EXIST WATERLINE W/VALVE		[Symbol]
EXIST CURB & PAVEMENT		[Symbol]
PROJECT BOUNDARY		[Symbol]
EXISTING ROW LINE		[Symbol]
CENTERLINE		[Symbol]
VARIABLE SLOPE		[Symbol]
PROPOSED 100-YEAR FLOOD PRONE LIMITS		[Symbol]
COT/PIMA COUNTY LIMITS		[Symbol]
SHEET INDEX		[Symbol]

T18PI00013

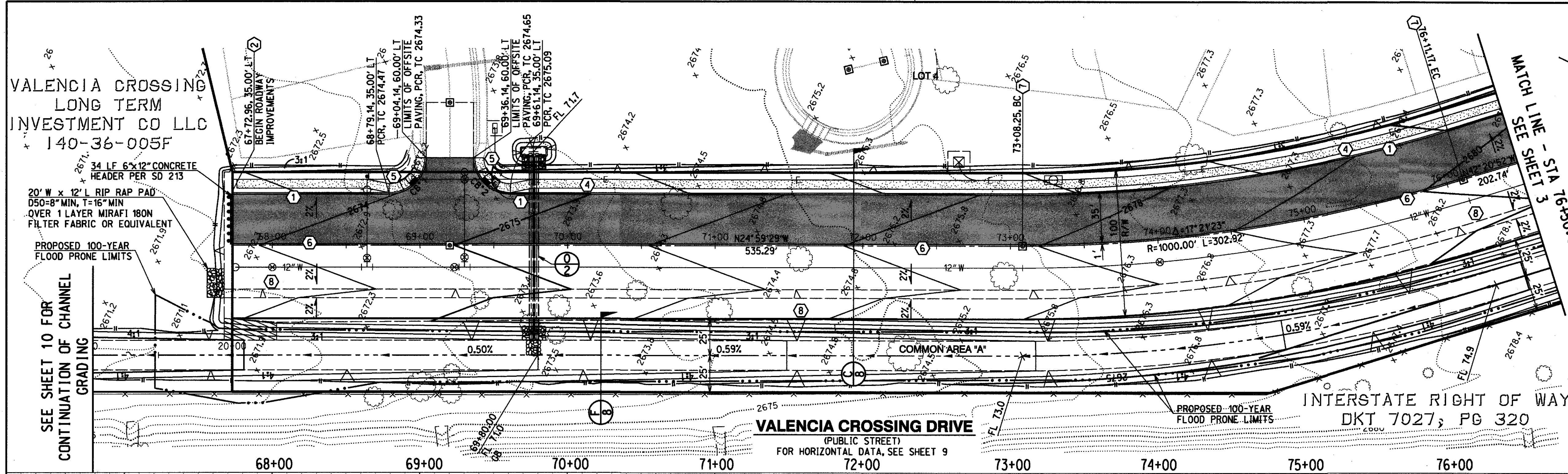
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

INTERIM ROADWAY IMPROVEMENT PLANS FOR VALENCIA CROSSING INFRASTRUCTURE
LOTS 1-4, BLOCK "A" & COMMON AREA "A"

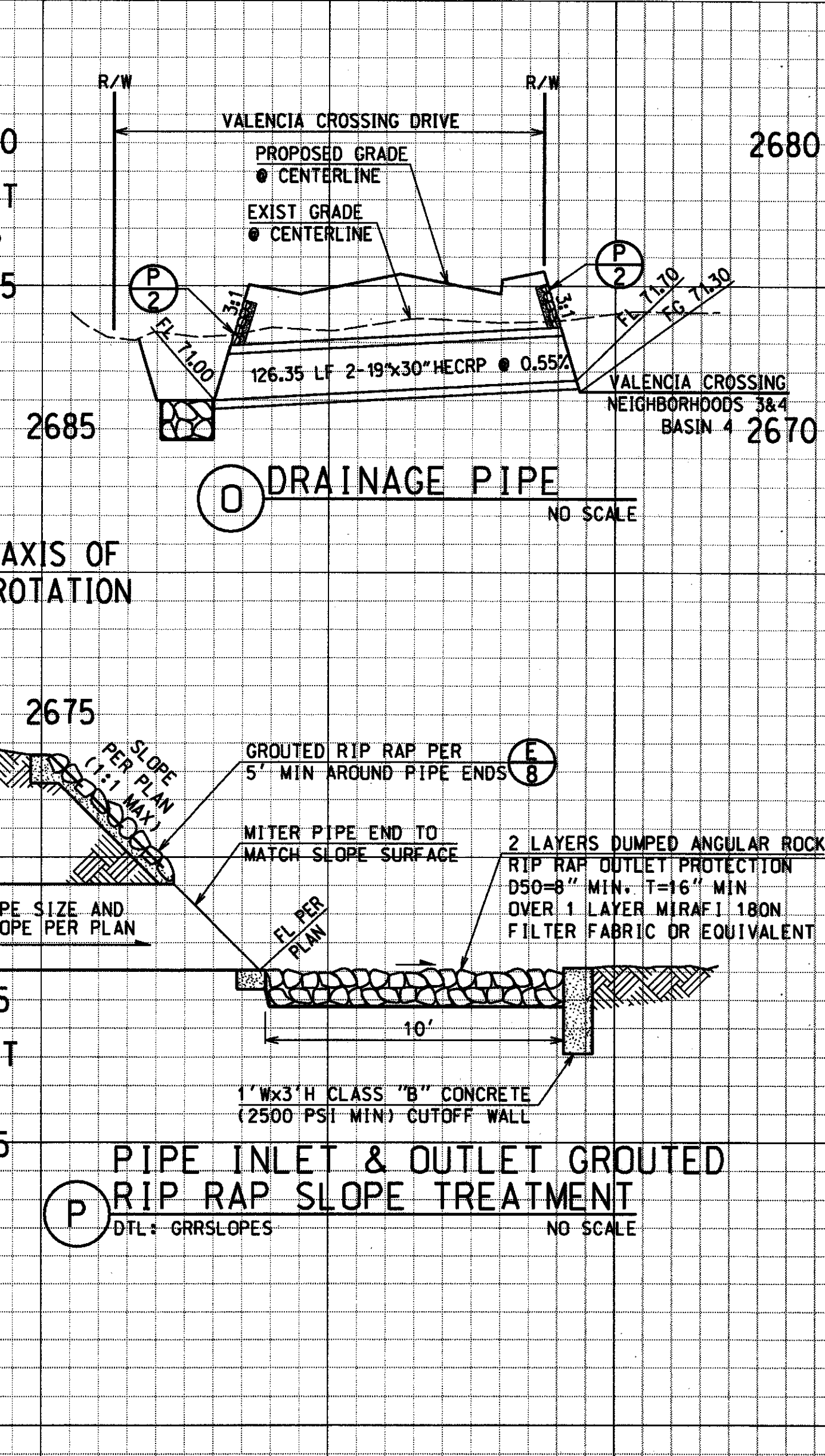
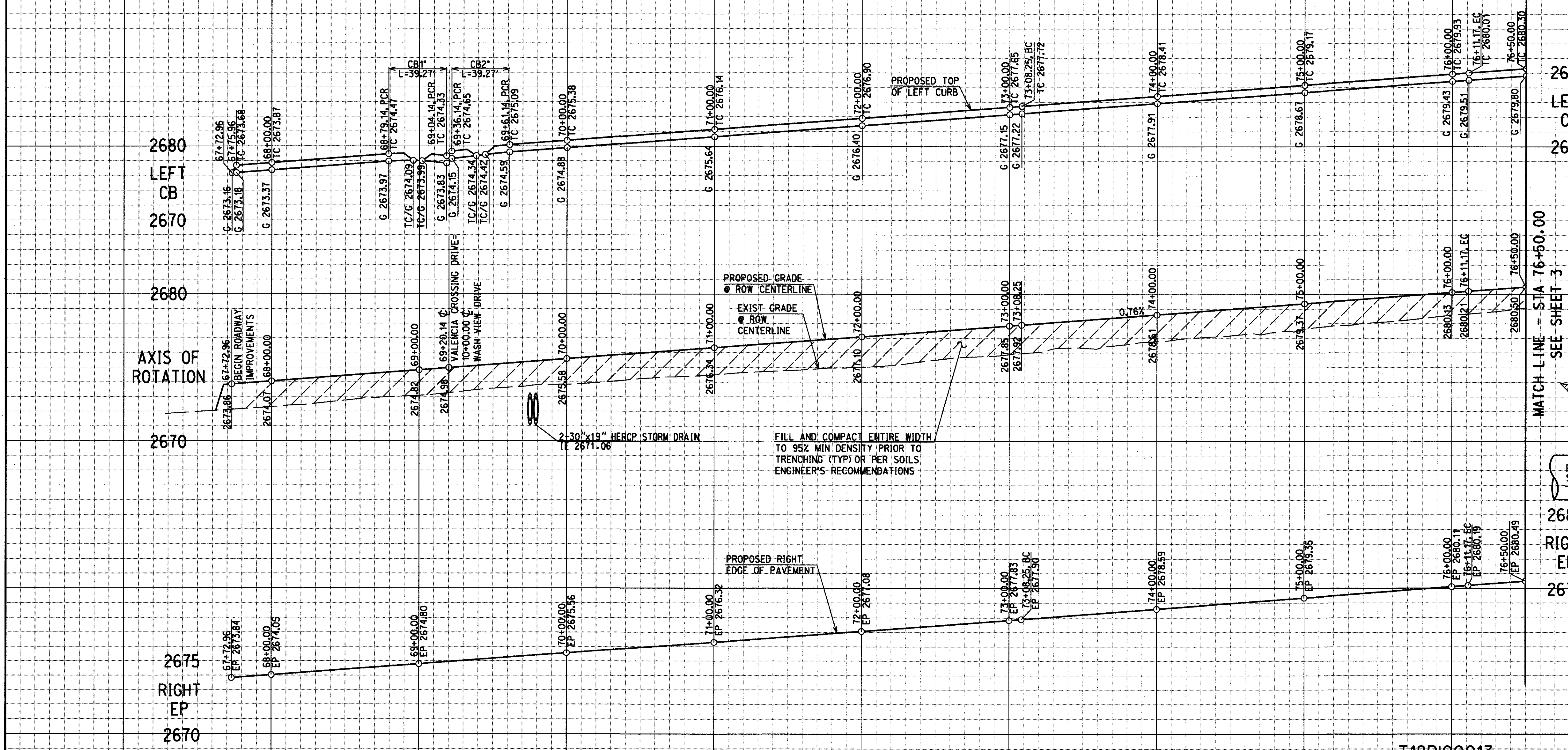
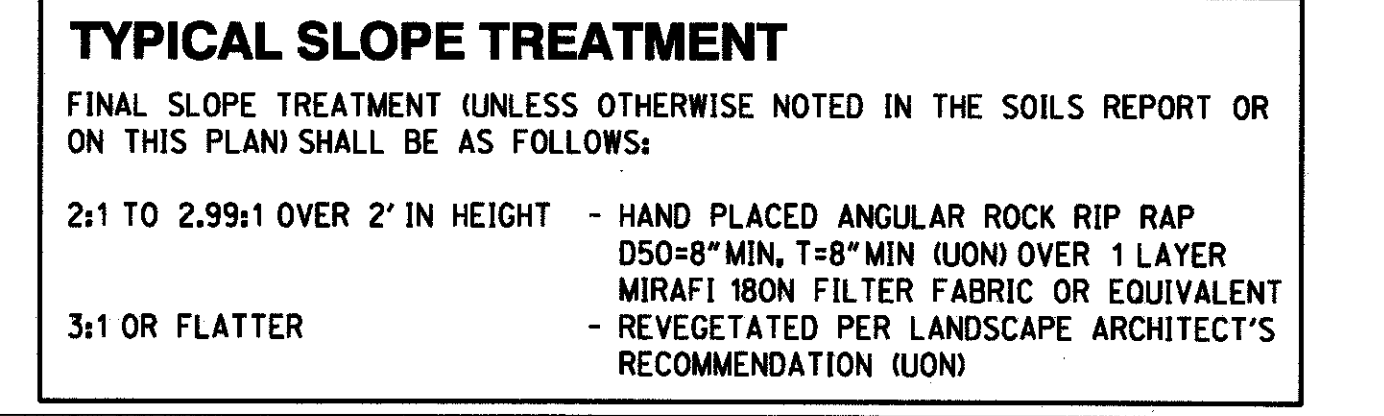
Approvals	Signature	Date	Approved	20	1
PERMITS AND CODES	[Signature]	8/18			OF
TRAFFIC ENGINEERING	[Signature]	8/18			12
STREETS AND TRAFFIC MAINTENANCE	[Signature]	8/18			
ENGINEERING ADMINISTRATOR	[Signature]	8/18			
DRN BY: RSM	20 18	DSN BY: BNC	20 18	CRD BY:	20
SCALE: 1" = 300'					
PLAN NO.	I-2018-008				

RICK ENGINEERING COMPANY
3945 EAST FORT LOWELL ROAD - SUITE 111
TUCSON, AZ 85712
520-795-1000
rickengineering.com
J-3795D
Contact Arizona 811 at least two full working days before you begin excavation!
ARIZONA 811
Call 811 or click Arizona811.com

NO.	DATE	REVISION	BY	CHKD.	APPR.



- ### KEYNOTES
- 1 6" TYPE 1 VERTICAL CURB PER SD 209
 - 2 END VERTICAL CURB W/3' TERMINAL SECTION PER SD 212
 - 3 SAWCUT AT 1" MINIMUM AND REMOVE EXIST CURB AND PAVEMENT AS NECESSARY, TRIM, TACK, AND JOIN NEW PAVEMENT TO EXISTING PAVEMENT. MATCH EXIST GRADE
 - 4 CONCRETE SIDEWALK PER SD 200
 - 5 TYPE 1 CURB ACCESS RAMP PER SD 207
 - 6 THICKENED EDGE PER (B)
 - 7 SURVEY MONUMENT PER SD 103
 - 8 STABILIZE INTERIM GRADED AREA BETWEEN PAVEMENT & CHANNEL WITH SOIL TACKIFIER
- NOTE: NOT ALL RIP RAP SHOWN FOR CLARITY
- NOTE: ALL STATIONING IS ALONG C OF ROW
- NOTE: FOR STRIPING & SIGNING PLANS SEE SHEETS 6 & 7



RICK ENGINEERING COMPANY

3945 EAST FORT LOWELL ROAD - SUITE 111
TUCSON, AZ 85712
520-795-1000

San Diego - Riverside - Orange - Sacramento - San Luis Obispo - Phoenix - Denver

VALENCIA CROSSING DRIVE

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

T18PIQ0013

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
INTERIM ROADWAY IMPROVEMENT PLANS FOR
VALENCIA CROSSING INFRASTRUCTURE
LOTS 1-4, BLOCK "A" & COMMON AREA "A"

CITY OF TUCSON

DRWN BY: RSM
DSGN BY: BNC
CHKD BY:

03/18
03/18
03/18

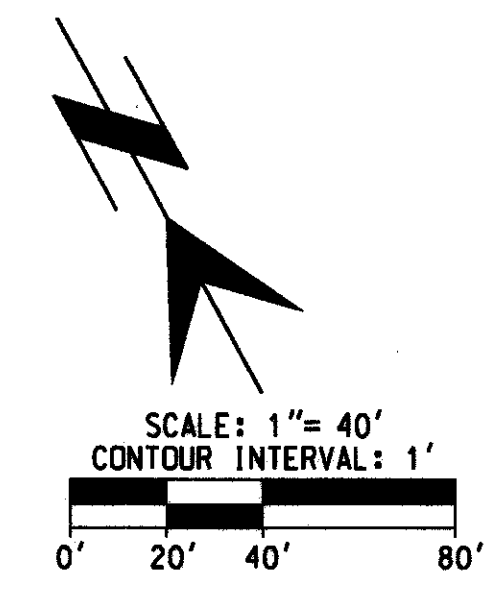
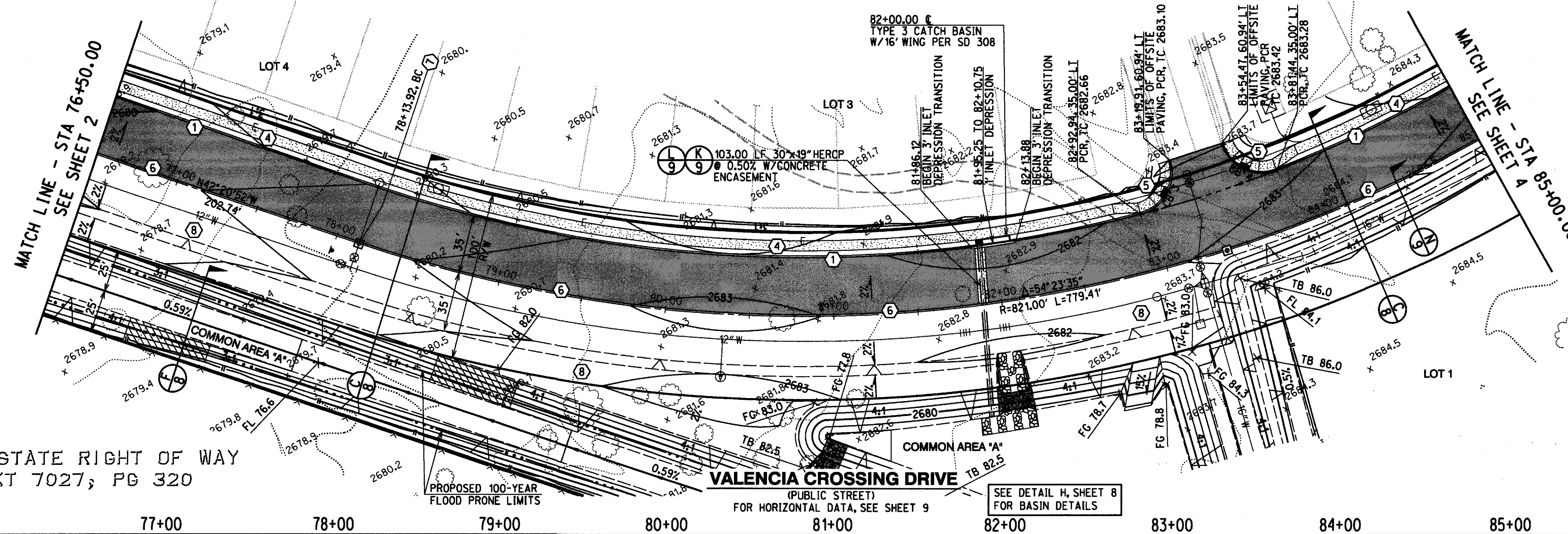
SCALE: HORIZ- 1" = 40'
VERT- 1" = 4'

PLAN NO. 1-2018-008

2 OF 12

NO. DATE REVISION BY CHKD. APPR.

F:\Valencia_Crossing\3795_Corp\TUC_Corp\stds 2005.dscr1pt



- ### KEYNOTES
- ① 6" TYPE 1 VERTICAL CURB PER SD 209
 - ② END VERTICAL CURB W/3' TERMINAL SECTION PER SD 212
 - ③ SAWCUT AT 1" MINIMUM AND REMOVE EXIST CURB AND PAVEMENT AS NECESSARY. TRIM, TACK, AND JOIN NEW PAVEMENT TO EXISTING PAVEMENT. MATCH EXIST GRADE
 - ④ CONCRETE SIDEWALK PER SD 200
 - ⑤ TYPE 1 CURB ACCESS RAMP PER SD 207
 - ⑥ THICKENED EDGE PER
 - ⑦ SURVEY MONUMENT PER SD 103
 - ⑧ STABILIZE INTERIM GRADED AREA BETWEEN PAVEMENT & CHANNEL WITH SOIL TACKIFIER

NOTE: NOT ALL RIP RAP SHOWN FOR CLARITY

NOTE: ALL STATIONING IS ALONG C OF ROW

NOTE: FOR STRIPING & SIGNING PLANS SEE SHEETS 6 & 7

TYPICAL SLOPE TREATMENT

FINAL SLOPE TREATMENT (UNLESS OTHERWISE NOTED IN THE SOILS REPORT OR ON THIS PLAN) SHALL BE AS FOLLOWS:

2:1 TO 2.99:1 OVER 2' IN HEIGHT - HAND PLACED ANGULAR ROCK RIP RAP D50=8" MIN, T=8" MIN (UON) OVER 1 LAYER MIRAFI 180N FILTER FABRIC OR EQUIVALENT - REVEGETATED PER LANDSCAPE ARCHITECT'S RECOMMENDATION (UON)

3:1 OR FLATTER

INTERSTATE RIGHT OF WAY
DKT 7027, PG 320

77+00 78+00 79+00 80+00 81+00 82+00 83+00 84+00 85+00



FILL AND COMPACT ENTIRE WIDTH TO 95% MIN DENSITY PRIOR TO TRENCHING (TYP) OR PER SOILS ENGINEER'S RECOMMENDATIONS

VALENCIA CROSSING DRIVE
SCALE: HORIZ 1" = 40'
VERT 1" = 4'

© 2018 Rick Engineering Company

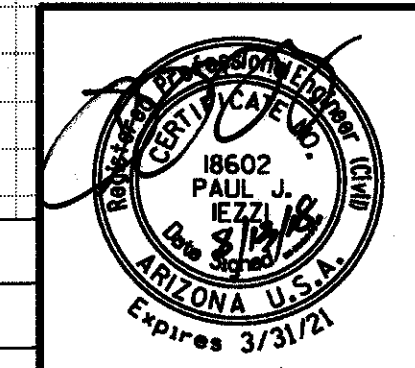
RICK ENGINEERING COMPANY
3945 EAST FORT LOWELL ROAD - SUITE 111
TUCSON, AZ 85712
520-795-1000

J-3795D
Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA 811
Call 811 or click Arizona811.com

rickengineering.com
San Diego • Riverside • Orange • Sacramento • San Luis Obispo • Phoenix • Denver

ARIZONA 811
Call 811 or click Arizona811.com

NO.	DATE	REVISION	BY	CHKD.	APPR.

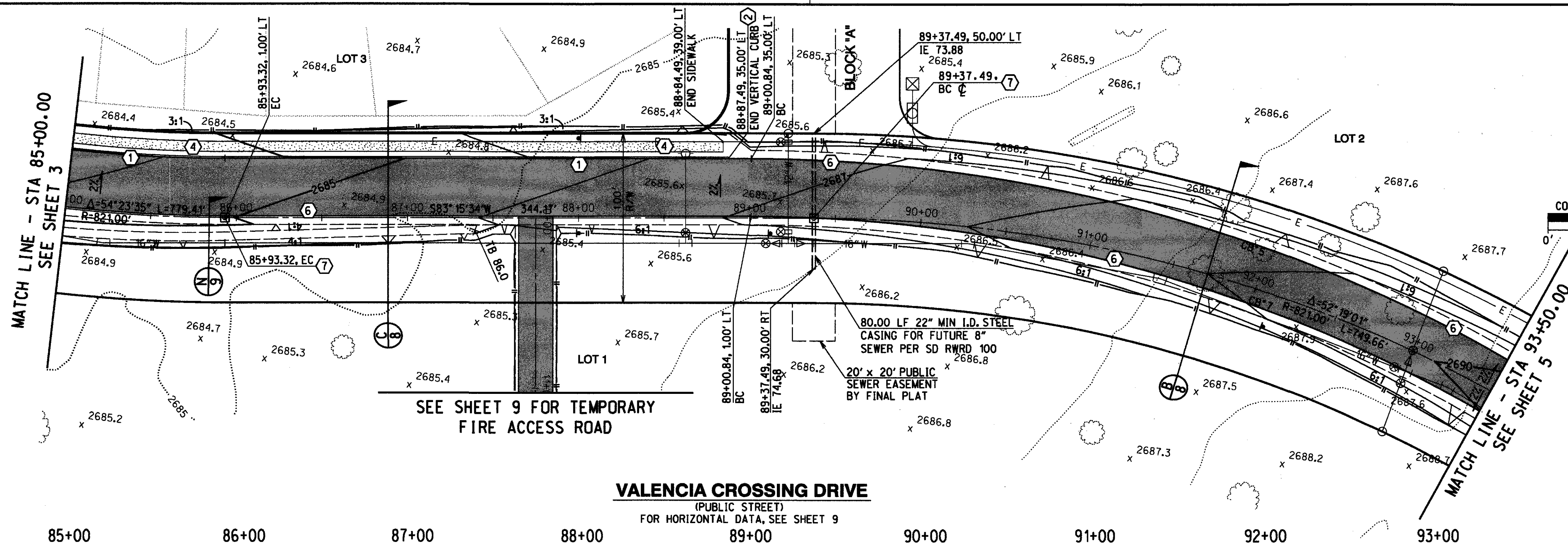


DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
INTERIM ROADWAY IMPROVEMENT PLANS FOR:
VALENCIA CROSSING INFRASTRUCTURE
LOTS 1-4, BLOCK "A" & COMMON AREA "A"

CITY OF TUCSON

DRWN. BY	RSM	03/18	REF.	SCALE: HORIZ-1"=40'
DSGN. BY	BNC	03/18		VERT-1"=4'
CHKD. BY		03/18	PLAN NO.	1-2018-008

3 OF 12



- KEYNOTES**
- ① 6" TYPE 1 VERTICAL CURB PER SD 209
 - ② END VERTICAL CURB W/3' TERMINAL SECTION PER SD 212
 - ③ SAWCUT AT 1" MINIMUM AND REMOVE EXIST CURB AND PAVEMENT AS NECESSARY. TRIM, TACK, AND JOIN NEW PAVEMENT TO EXISTING PAVEMENT. MATCH EXIST GRADE
 - ④ CONCRETE SIDEWALK PER SD 200
 - ⑤ TYPE 1 CURB ACCESS RAMP PER SD 207
 - ⑥ THICKENED EDGE PER ⑤
 - ⑦ SURVEY MONUMENT PER SD 103
 - ⑧ STABILIZE INTERIM GRADED AREA BETWEEN PAVEMENT & CHANNEL WITH SOIL TACKIFIER

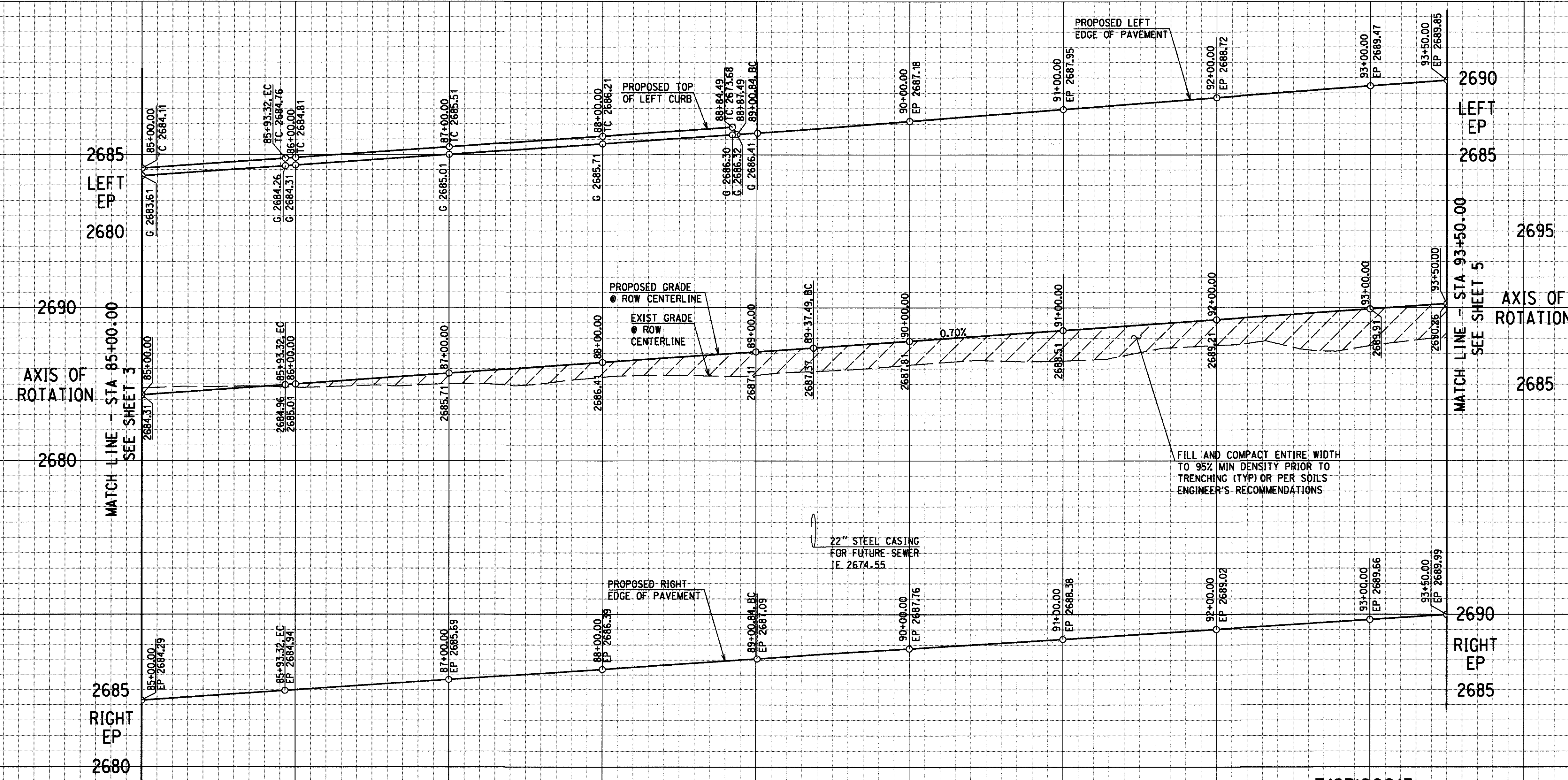
NOTE: NOT ALL RIP RAP SHOWN FOR CLARITY

NOTE: ALL STATIONING IS ALONG C OF ROW

NOTE: FOR STRIPING & SIGNING PLANS SEE SHEETS 6 & 7

TYPICAL SLOPE TREATMENT
 FINAL SLOPE TREATMENT (UNLESS OTHERWISE NOTED IN THE SOILS REPORT OR ON THIS PLAN) SHALL BE AS FOLLOWS:
 2:1 TO 2.99:1 OVER 2' IN HEIGHT - HAND PLACED ANGULAR ROCK RIP RAP D50-8" MIN, T-8" MIN (UON) OVER 1 LAYER MIRAFI 180N FILTER FABRIC OR EQUIVALENT - REVEGETATED PER LANDSCAPE ARCHITECT'S RECOMMENDATION (UON)
 3:1 OR FLATTER

VALENCIA CROSSING DRIVE
 (PUBLIC STREET)
 FOR HORIZONTAL DATA, SEE SHEET 9

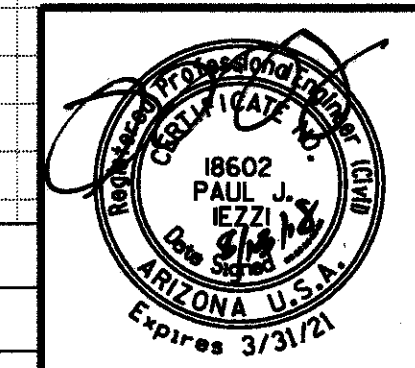


T18PIQ0013

RICK ENGINEERING COMPANY
 3945 EAST FORT LOWELL ROAD - SUITE 111
 TUCSON, AZ 85712
 520-795-1000
 J-37950
 rickengineering.com
 Call 611 or click Arizona811.com

VALENCIA CROSSING DRIVE
 SCALE: HORIZ 1"=40'
 VERT 1"=4'

NO.	DATE	REVISION	BY	CHKD.	APPR.



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
 INTERIM ROADWAY IMPROVEMENT PLANS FOR:
VALENCIA CROSSING INFRASTRUCTURE
 LOTS 1-4, BLOCK "A" & COMMON AREA "A"

CITY OF TUCSON

DRWN. BY: RSM 03/18
 DSGN. BY: BNC 03/18
 CHD. BY: 03/18

REF. SCALE: HORIZ-1"=40'
 VERT-1"=4'

PLAN NO. **I-2018-008**

4 OF 12

KEYNOTES

- ① 6" TYPE 1 VERTICAL CURB PER SD 209
- ② END VERTICAL CURB W/3' TERMINAL SECTION PER SD 212
- ③ SAWCUT AT 1' MINIMUM AND REMOVE EXIST CURB AND PAVEMENT AS NECESSARY. TRIM, TACK, AND JOIN NEW PAVEMENT TO EXISTING PAVEMENT. MATCH EXIST GRADE
- ④ CONCRETE SIDEWALK PER SD 200
- ⑤ TYPE 1 CURB ACCESS RAMP PER SD 207
- ⑥ THICKENED EDGE PER
- ⑦ SURVEY MONUMENT PER SD 103
- ⑧ STABILIZE INTERIM GRADED AREA BETWEEN PAVEMENT & CHANNEL WITH SOIL TACKIFIER

NOTE: NOT ALL RIP RAP SHOWN FOR CLARITY

NOTE: ALL STATIONING IS ALONG C OF ROW

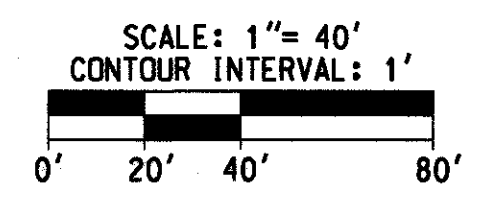
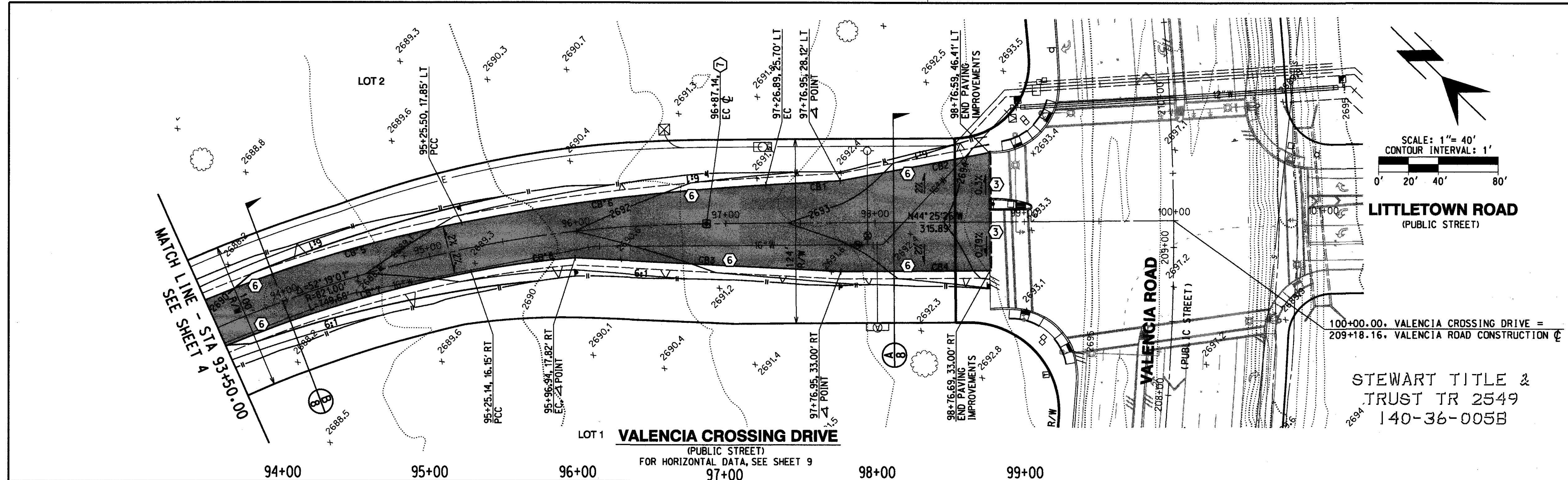
NOTE: FOR STRIPING & SIGNING PLANS SEE SHEETS 6 & 7

TYPICAL SLOPE TREATMENT

FINAL SLOPE TREATMENT (UNLESS OTHERWISE NOTED IN THE SOILS REPORT OR ON THIS PLAN) SHALL BE AS FOLLOWS:

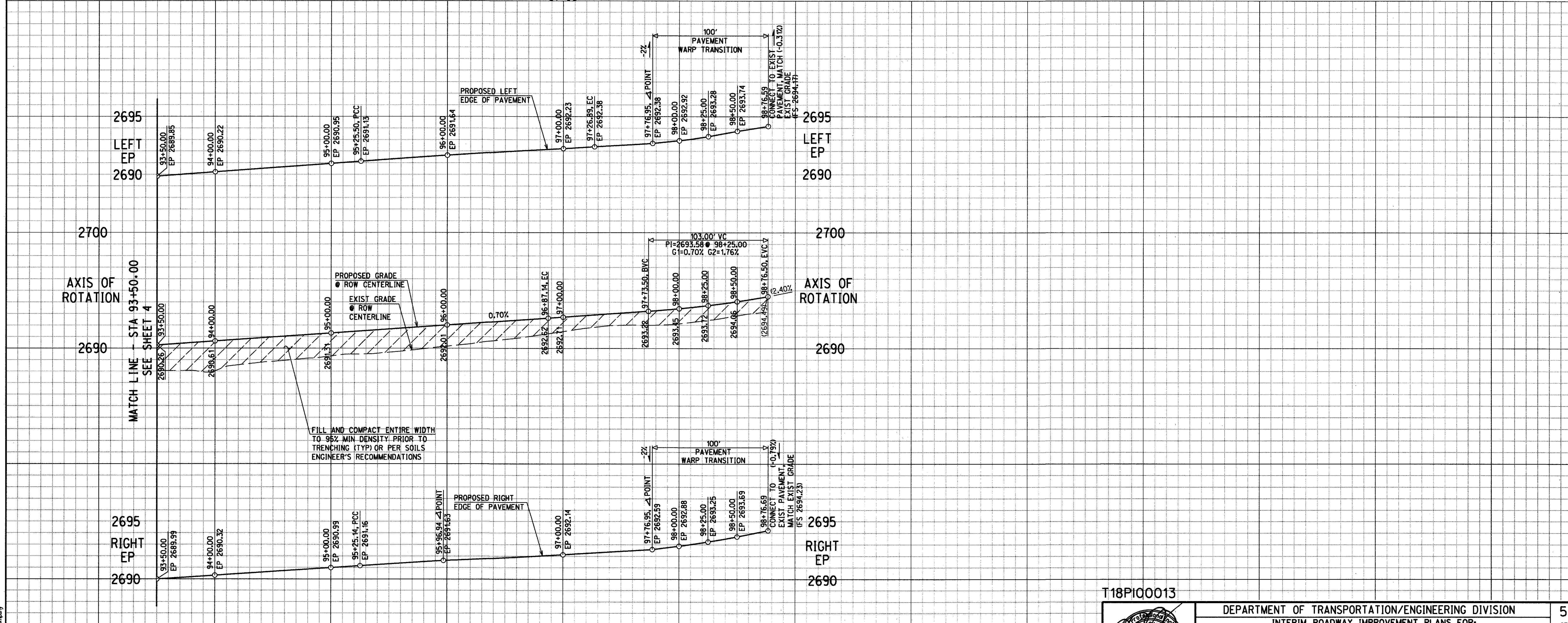
2:1 TO 2.99:1 OVER 2' IN HEIGHT - HAND PLACED ANGULAR ROCK RIP RAP D50=8" MIN, T=8" MIN (UON) OVER 1 LAYER MIRAFI 180N FILTER FABRIC OR EQUIVALENT

3:1 OR FLATTER - REVEGETATED PER LANDSCAPE ARCHITECT'S RECOMMENDATION (UON)



LITTLETON ROAD
(PUBLIC STREET)

STEWART TITLE &
TRUST TR 2549
140-36-005B

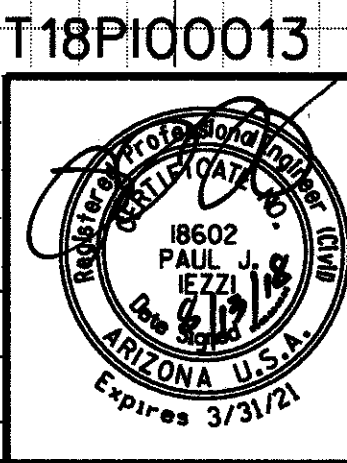


FILL AND COMPACT ENTIRE WIDTH TO 95% MIN DENSITY PRIOR TO TRENCHING (TYP) OR PER SOILS ENGINEER'S RECOMMENDATIONS

VALENCIA CROSSING DRIVE

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

NO.	DATE	REVISION	BY	CHKD.	APPR.



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
INTERIM ROADWAY IMPROVEMENT PLANS FOR:
VALENCIA CROSSING INFRASTRUCTURE
LOTS 1-4, BLOCK "A" & COMMON AREA "A"

CITY OF TUCSON

DRWN. BY: RSM 03/18
DSGN. BY: BNC 03/18
CHKD. BY: 03/18

REF. SCALE: HORIZ- 1" = 40'
VERT- 1" = 4'

PLAN NO. **I-2018-008**

5 OF 12

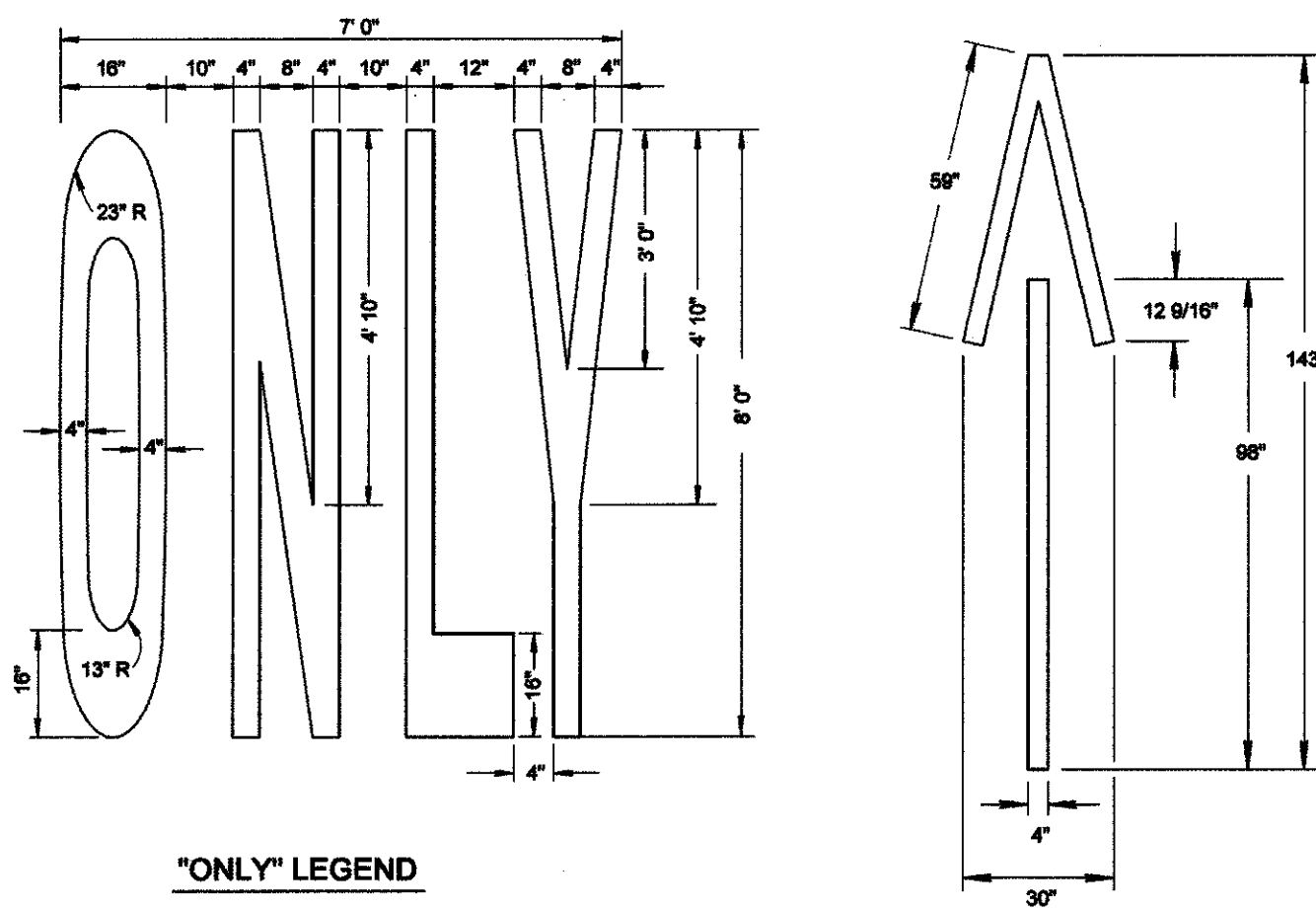
RICK ENGINEERING COMPANY
3945 EAST FORT LOWELL ROAD - SUITE 111
TUCSON, AZ 85712
520-795-1000

J-3795D

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

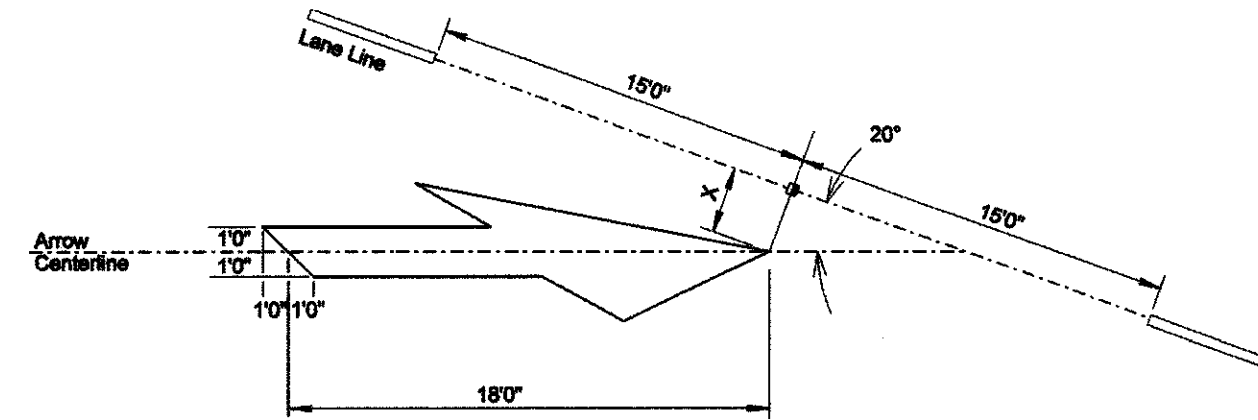
ARIZONA 811
Call 811 or click Arizona811.com

rickengineering.com
Tucson San Diego - Riverside - Orange - Sacramento - San Luis Obispo - Phoenix - Denver



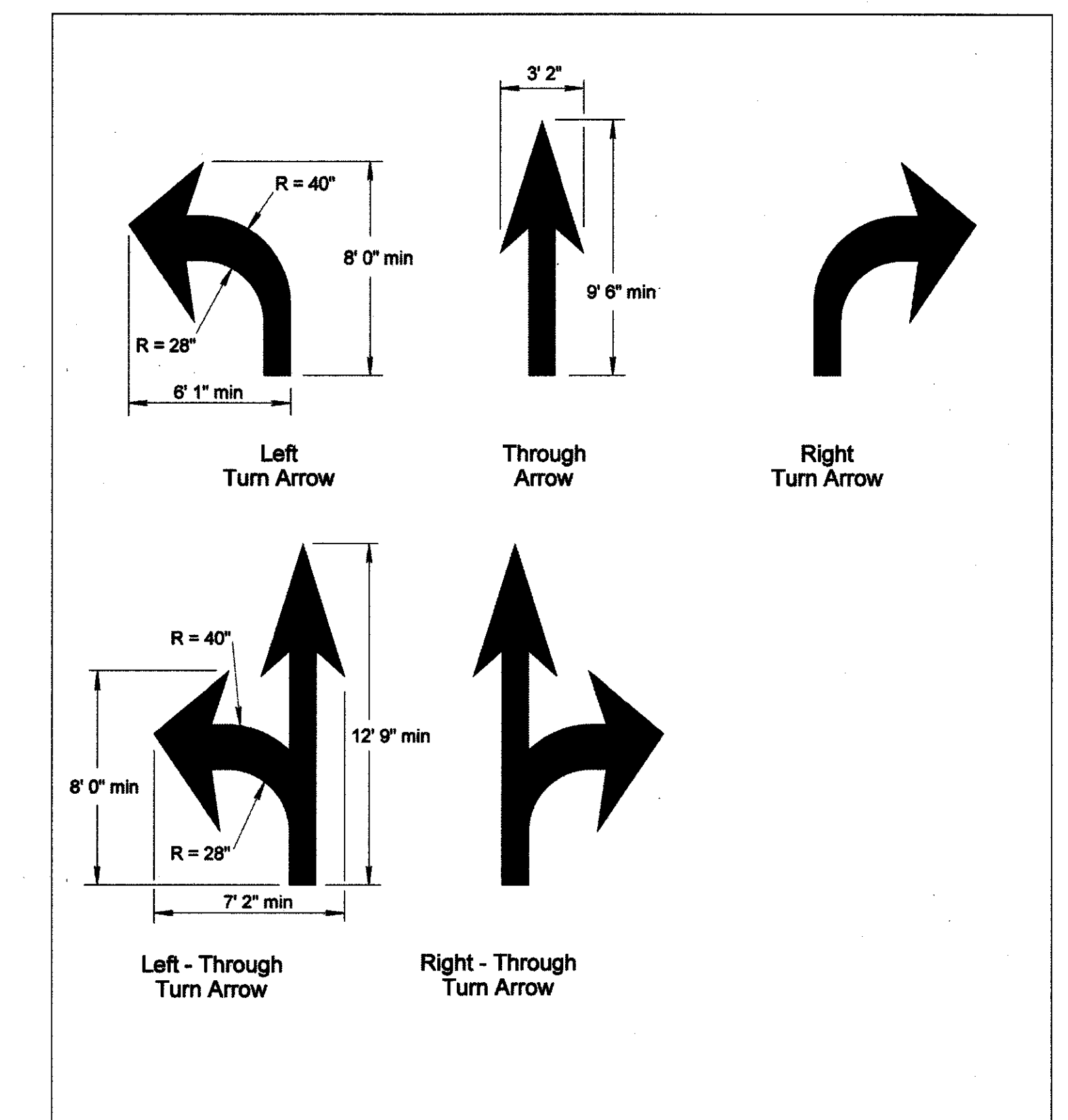
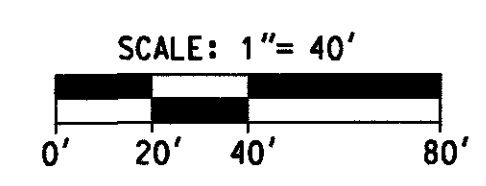
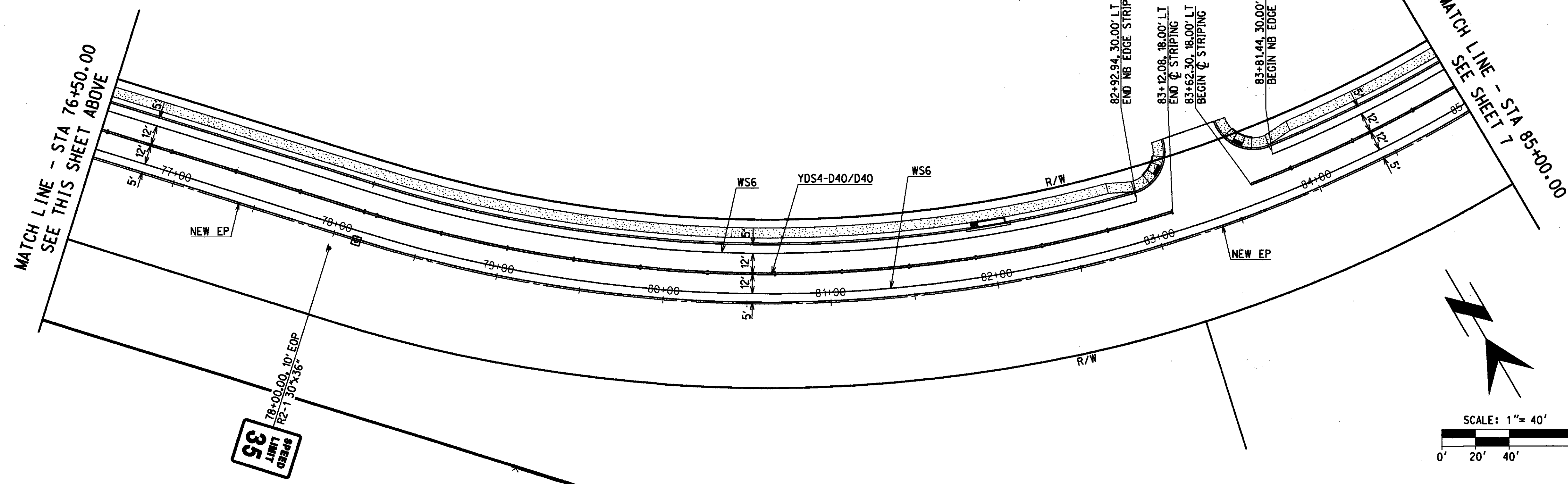
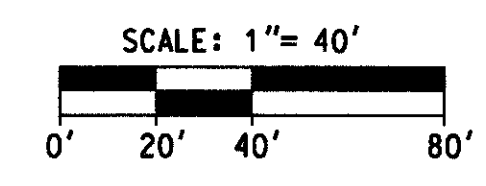
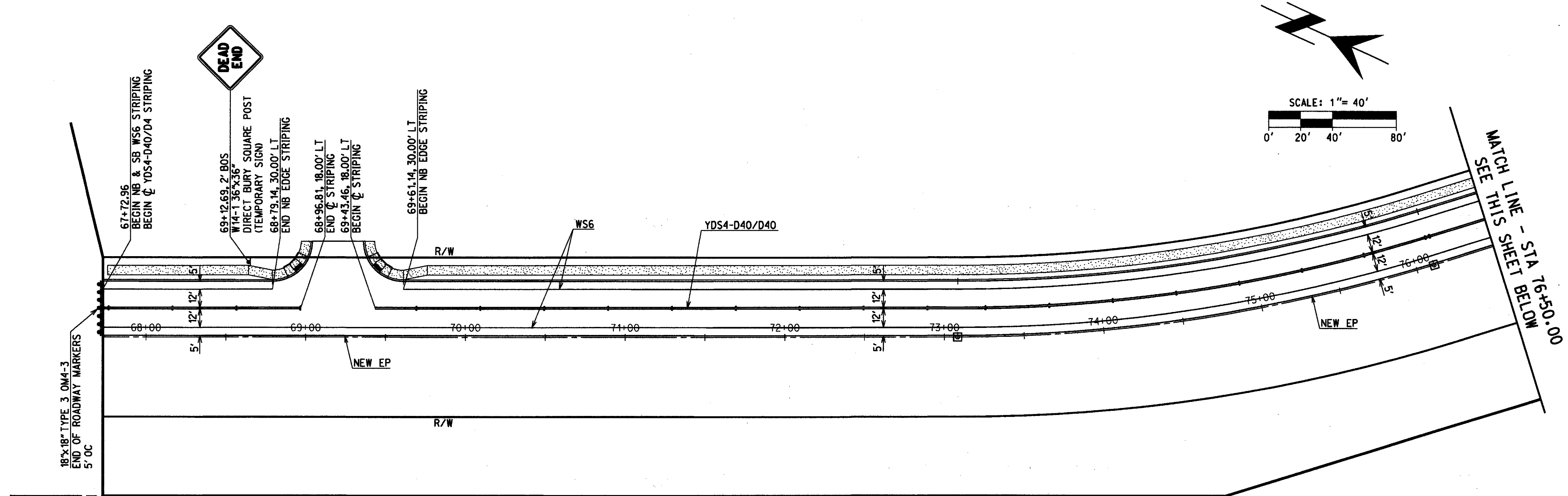
"ONLY" LEGEND

WRONG-WAY ARROW



MERGE LEFT ARROW

ISSUED October 2000		PCDOT and TDOT Traffic Engineering Division PAVEMENT MARKING STANDARDS Wrong-Way Arrow, Merge Arrows, and "ONLY" Details		SHEET NO. 2-10
REVISED August 2008				

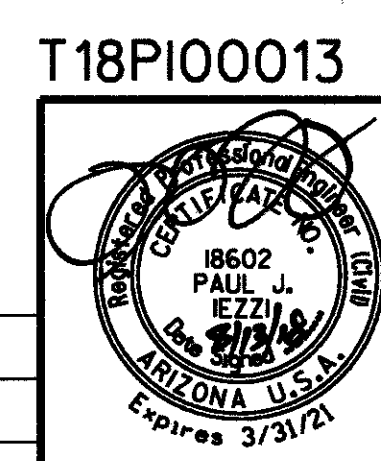


ISSUED October 2000		PCDOT and TDOT Traffic Engineering Division PAVEMENT MARKING STANDARDS Lane - Use Arrow and Symbols Details		SHEET NO. 2-9
REVISED August 2008				

APPROXIMATE PAVEMENT MARKING QUANTITIES

ITEM	UNIT	QUANTITY
PAVEMENT MARKING (6" WHITE)	LF	6,055
PAVEMENT MARKING (8" WHITE)	LF	110
PAVEMENT MARKING (12" WHITE)	LF	579
PAVEMENT MARKING (4" DOUBLE YELLOW)	LF	3,356
PAVEMENT MARKING PREFORMED, TYPE 1, SINGLE ARROW	EACH	2
PAVEMENT MARKING PREFORMED, TYPE 1, RIGHT/THROUGH	EACH	4
PAVEMENT MARKING PREFORMED, TYPE 1, LEGEND, "ONLY"	EACH	1
PAVEMENT MARKING REFLECTIVE, (TYPE D, 2-WAY)	EACH	176
PAVEMENT MARKING REFLECTIVE, (TYPE C, 2-WAY)	EACH	6

NO.	DATE	REVISION	BY	CHKD.	APPR.



T18PI00013

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
 INTERIM ROADWAY IMPROVEMENT PLANS FOR:
VALENCIA CROSSING INFRASTRUCTURE
 LOTS 1-4, BLOCK "A" & COMMON AREA "A"

CITY OF TUCSON

DRWN. BY: RSM 03/18
 DSGN. BY: BNC 03/18
 CHD. BY: 03/18

REF. SCALE: HORIZ - 1" = 40'
 VERT - N/A

PLAN NO. **I-2018-008**

6 OF 12

RICK ENGINEERING COMPANY

3945 EAST FORT LOWELL ROAD - SUITE 111
 TUCSON, AZ 85712
 520-795-1000

J-37950

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

ARIZONA 811

Call 811 or click Arizona811.com

rickengineering.com

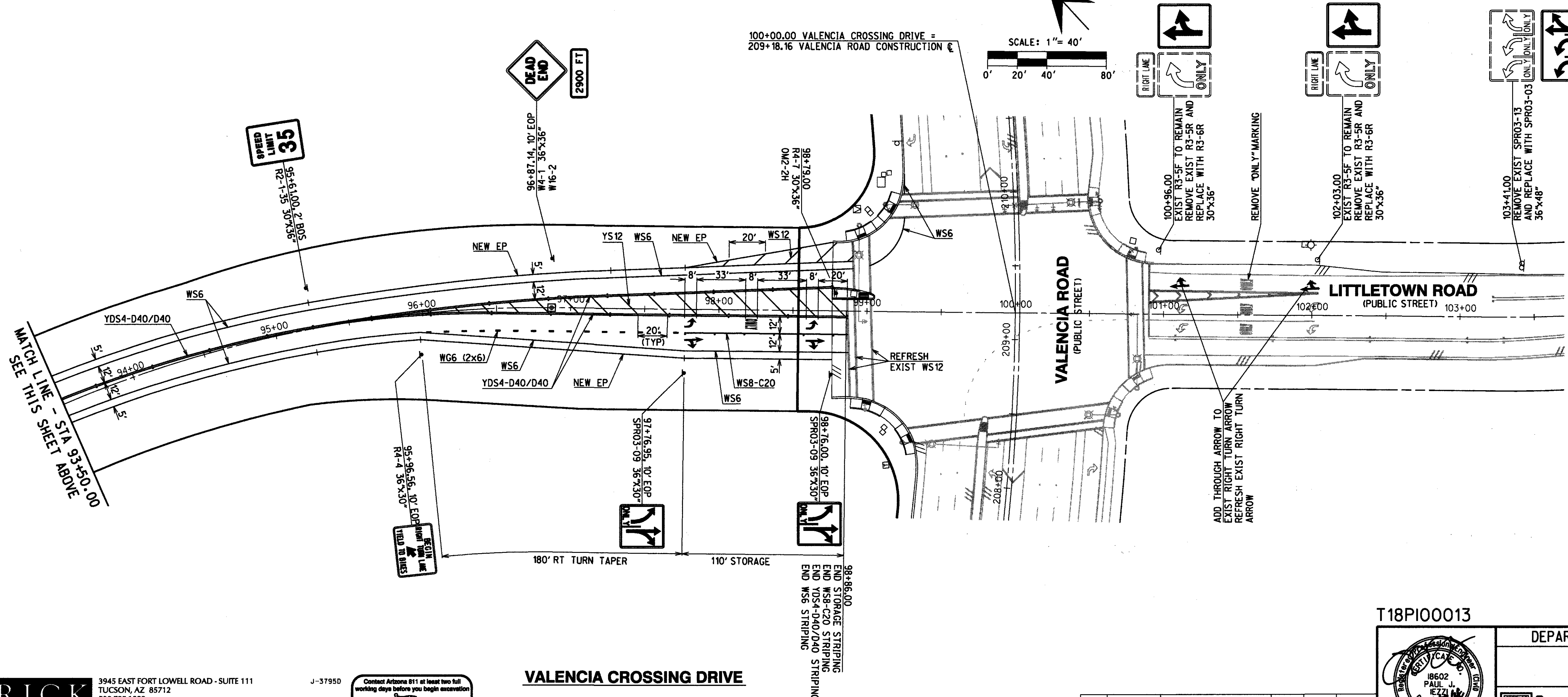
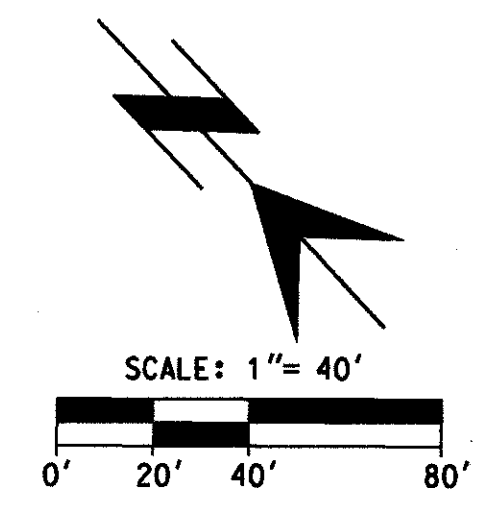
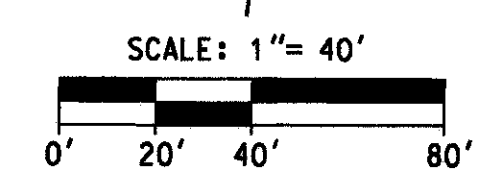
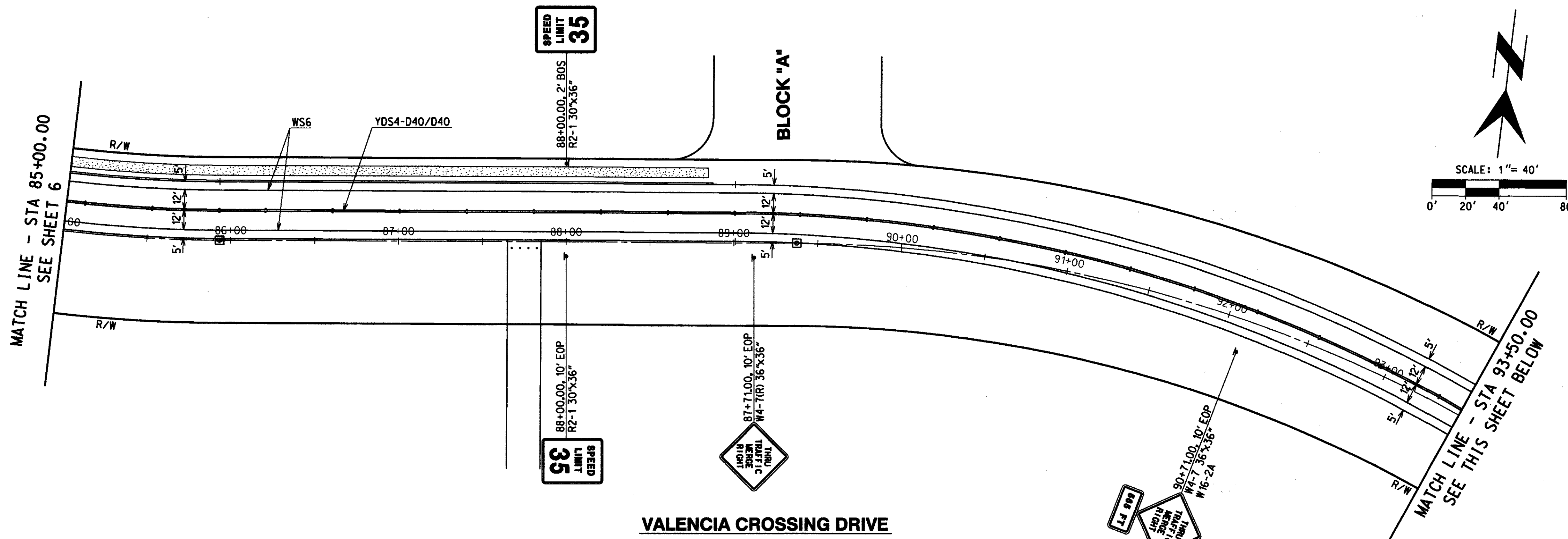
San Diego - Riverside - Orange - Sacramento - San Luis Obispo - Phoenix - Denver

SIGNING NOTES

- ALL SIGNS SHALL BE IN COMPLIANCE WITH THE 2009 EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2002 EDITION OF THE PIMA COUNTY AND CITY OF TUCSON TRAFFIC SIGNING DESIGN MANUAL, THE CURRENT SUPPLEMENTAL SPECIFICATIONS, THESE PLANS, AND THE SPECIAL PROVISIONS.
- SIGNS MAY BE MODIFIED AND LOCATIONS ADJUSTED TO FIT CONDITIONS AS DIRECTED BY THE TRAFFIC ENGINEER.
- POST LENGTHS INDICATED ON SIGN SUMMARY SHEETS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ACTUAL POST LENGTHS.
- ALL PERFORATED POSTS SHALL BE INSTALLED IN A CONCRETE FOUNDATION, UNLESS OTHERWISE DIRECTED BY THE JURISDICTION TRAFFIC ENGINEER.
- ALL SIGN STATION LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ACTUAL SIGN LOCATIONS WITH THE TRAFFIC ENGINEER PRIOR TO THE INSTALLATION OF ALL SIGNS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK WITH BLUE STAKE AND FOR INSTALLING ALL TRAFFIC SIGNS IN THE FIELD.
- ALL SIGN PANELS SHALL HAVE TYPE II SHEETING.
- ALL NEW SIGNS SHALL HAVE ALUMINUM BACKING, UNLESS OTHERWISE SPECIFIED.
- ALL EXISTING SIGNS TO BE REMOVED AS PART OF THIS PROJECT ARE TO BE DELIVERED TO THE CITY OF TUCSON SIGN SHOP AT 4004 SOUTH PARK (520) 791-3154. THE CONTRACTOR IS RESPONSIBLE FOR UNLOADING THE SALVAGED MATERIAL. ANY SALVAGED SIGN THAT IS TO BE REUSED SHALL BE TEMPORARILY STORED IN A SAFE LOCATION UNTIL REINSTALLATION.
- THE DESIGN SPEED FOR THE ROAD(S) IS 40 MPH. THE POSTED SPEED LIMIT FOR THE ROAD(S) IS 35 MPH. SIGN PLACEMENT SHALL BE BASED ON THE POSTED SPEED LIMIT.

STRIPING NOTES

- ALL PAVEMENT MARKINGS SHALL CONFORM TO THE 2003 EDITION OF PIMA COUNTY/CITY OF TUCSON STANDARDS AND SPECIFICATIONS AND THE LATEST EDITION OF TDDT PAVEMENT MARKING DESIGN MANUAL.
- THE PERMANENT PAVEMENT MARKINGS MAY BE MODIFIED AS DIRECTED BY THE ENGINEER.
- THE DESIGN SPEED FOR THE ROAD IS: 40 MPH. THE DESIGN VEHICLE IS: WB-40. THE POSTED SPEED LIMIT IS: 35 MPH.
- ALL LANE DIMENSIONS ARE FROM CENTER OF LANE LINE, CENTER OF DOUBLE LANE LINE, FACE OF CURB, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- THE PAVEMENT MARKING DRAWINGS ARE SCHEMATIC ONLY. THE CONTRACTOR SHALL FOLLOW ALL DIMENSIONS, DETAILS, AND STANDARDS WHEN INSTALLING PAVEMENT STRIPING, MARKINGS AND MARKERS.
- THE FINAL LONGITUDINAL STRIPING SHALL BE 60 MIL (0.060") THICK HOT-SPRAYED THERMOPLASTIC REFLECTORIZED STRIPING PLACED OVER THE TEMPORARY STRIPING WITHIN 14 TO 30 CALENDAR DAYS AFTER COMPLETION OF THE FINAL PAVEMENT SURFACE, OR AS DIRECTED BY THE TRAFFIC ENGINEER. ALL OTHER MARKINGS SHALL BE APPLIED AT THE SAME TIME. TEMPORARY STRIPING SHALL BE PAINT.
- ALL FINAL TRANSVERSE MARKINGS SHALL BE HOT SPRAYED 90 MIL THERMOPLASTIC STRIPING (0.090"). ALL PAVEMENT ARROWS AND LEGENDS SHALL BE HOT SPRAYED 90 MIL THERMOPLASTIC PAVEMENT MARKING (0.090"). EXTRUDED THERMOPLASTIC OR PREFORMED APPLICATIONS MAY BE USED IF APPROVED BY THE TRAFFIC ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF PAVEMENT MARKINGS ON FINAL SURFACE COURSE FOLLOWING CONTROL POINTS THAT HAVE BEEN SET NO MORE THAN 50 FEET APART ALONG THE LINES TO BE STRIPED. THE LAYOUT OF ALL PAVEMENT MARKINGS SHALL BE APPROVED BY THE TRAFFIC ENGINEER PRIOR TO THE APPLICATION OF MATERIALS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE FINAL SURFACE COURSE IS PLACED SO THAT THE STRIPING IS OFFSET ONE FOOT CLEAR OF THE CONSTRUCTION JOINT, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL CLEAN THE ROADWAY SURFACE TO THE SATISFACTION OF THE TRAFFIC ENGINEER BY SWEEPING AND AIR-JET BLOWING IMMEDIATELY PRIOR TO THE PLACEMENT OF ALL PAVEMENT MARKINGS. THE TEMPERATURE SHALL NOT BE LESS THAN 50 DEGREES F. FOR THE PLACEMENT OF HOT SPRAY THERMOPLASTIC STRIPING, AND 40 DEGREES F. FOR THE PLACEMENT OF RPM'S.
- ALL RAISED PAVEMENT MARKERS (RPM'S) SHALL BE INSTALLED SO THAT THE REFLECTIVE FACE OF EACH MARKER IS FACING THE DIRECTION OF TRAFFIC AND IS PERPENDICULAR TO THE DIRECTION OF TRAFFIC FLOW. TYPE C PAVEMENT MARKERS SHALL BE INSTALLED SO THAT THE CLEAR REFLECTIVE FACE OF EACH MARKER IS FACING APPROACHING TRAFFIC AND PERPENDICULAR TO THE DIRECTION OF TRAFFIC FLOW.
- AT INTERSECTION APPROACHES ON ROADWAYS WITH MEDIANS, TYPE C RPM'S SHALL BE PLACED AS PER PCDOT/TDDT STANDARDS OR AS DIRECTED BY THE ENGINEER.
- ALL REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH SECTION 701 OF THE PAG STANDARD SPECIFICATIONS. PAINTING OVER EXISTING STRIPING DOES NOT CONSTITUTE APPROVED STRIPING OBLITERATION.
- ASPHALT SCARRING AS EVALUATED/DETERMINED BY CITY/TRAFFIC ENGINEERING SHALL REQUIRE APPLICATION OF A FOG SEAL CSS-1 AT 0.06 TO 0.08 OF A GALLON PER SQUARE YARD OVER THE REMOVED PAINT STRIP.
- THE ENGINEER OF RECORD SHALL BE REQUIRED TO PRODUCE AS-BUILT STRIPING PLANS WITHIN 90 DAYS OF STRIPING COMPLETION.
- BLUE RAISED PAVEMENT MARKERS SHALL BE PLACED ADJACENT TO FIRE HYDRANTS AS SHOWN ON SHEET 7-1 OF THE TDDT PAVEMENT MARKING DESIGN MANUAL.
- FOR ALL CONSTRUCTION, ALL PAVEMENT MARKINGS AND SIGNING SHALL BE INSTALLED AND SHALL BE PAID FOR BY THE PROJECT OWNER/DEVELOPER.
- FINAL INSPECTION/ACCEPTANCE OF PAVEMENT MARKINGS SHALL BE PERFORMED BY THE TRAFFIC ENGINEER.



T18PI00013

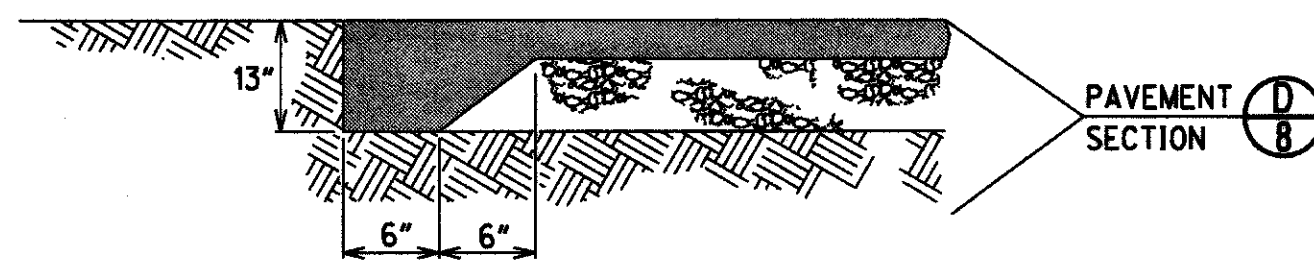
		DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION		7 OF 12
		INTERIM ROADWAY IMPROVEMENT PLANS FOR: VALENCIA CROSSING INFRASTRUCTURE LOTS 1-4, BLOCK "A" & COMMON AREA "A"		
DRWN. BY	RSM	03/18	REF.	SCALE: HORIZ - 1" = 40'
DSGN. BY	BNC	03/18		VERT - N/A
CHKD. BY		03/18	PLAN NO.	I-2018-008

RICK ENGINEERING COMPANY
 3945 EAST FORT LOWELL ROAD - SUITE 111
 TUCSON, AZ 85712
 520-795-1000

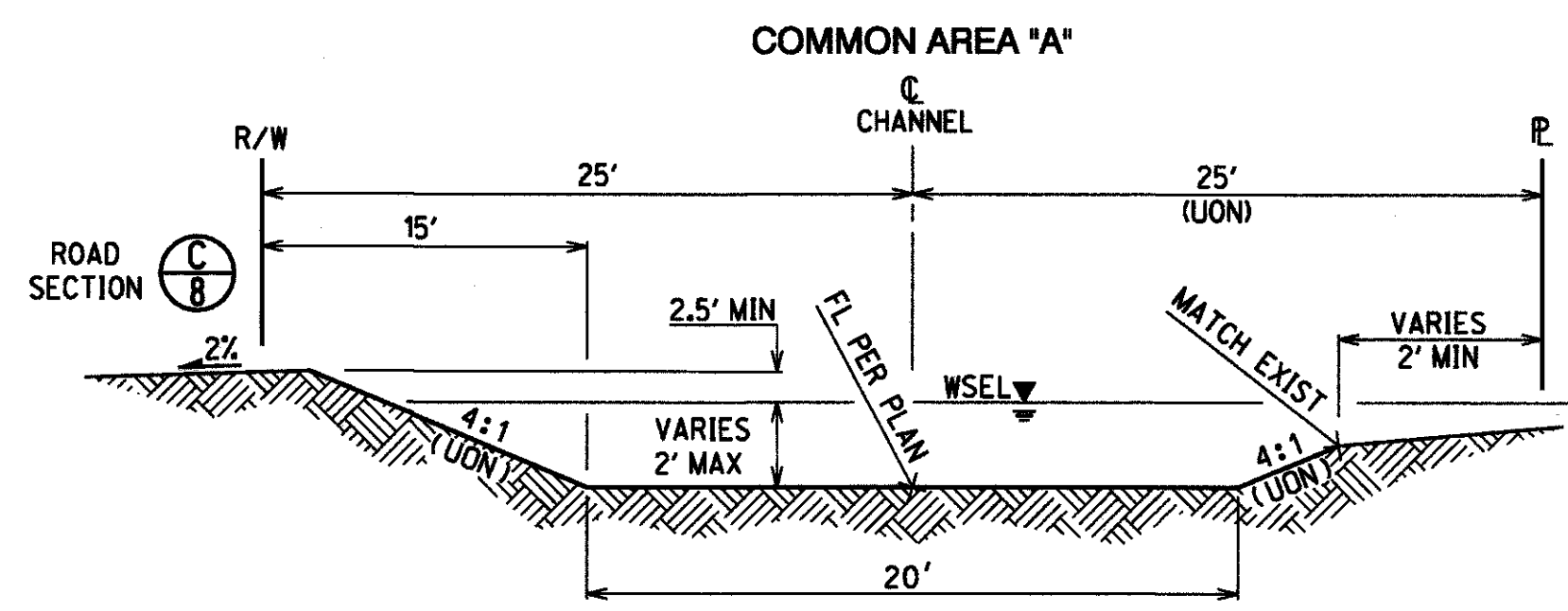
J-3795D
 Contact Arizona 811 at least two full working days before you begin excavation

 Call 811 or click Arizona811.com

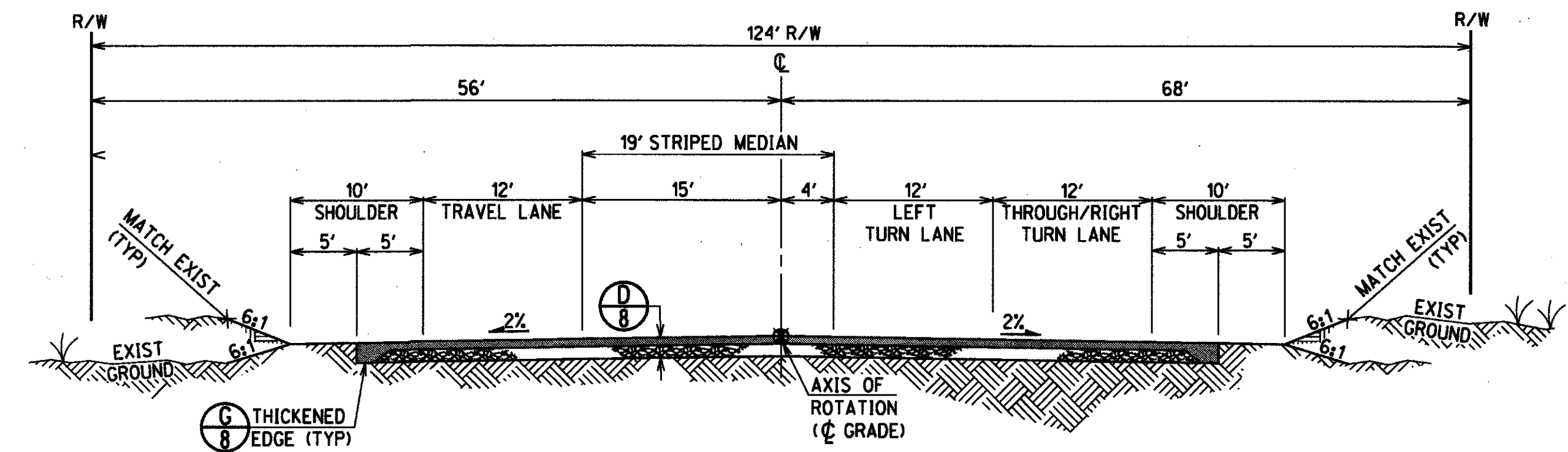
© 2018 Rick Engineering Company



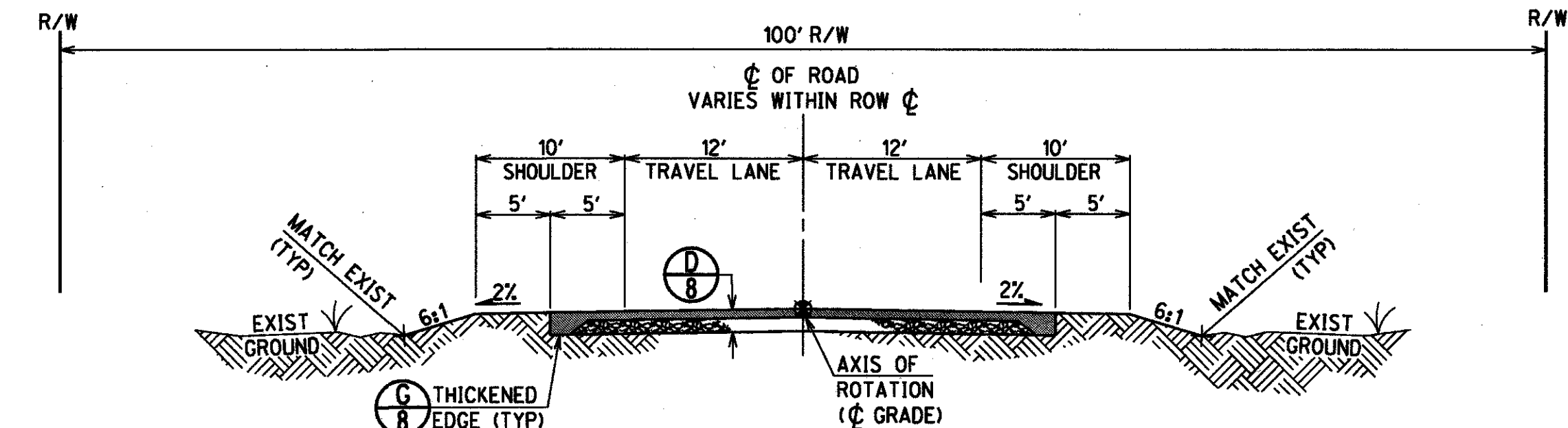
G THICKENED EDGE
DTL: THICKPVMT01 NO SCALE



F CHANNEL SECTION
NOT PART OF PIA NO SCALE

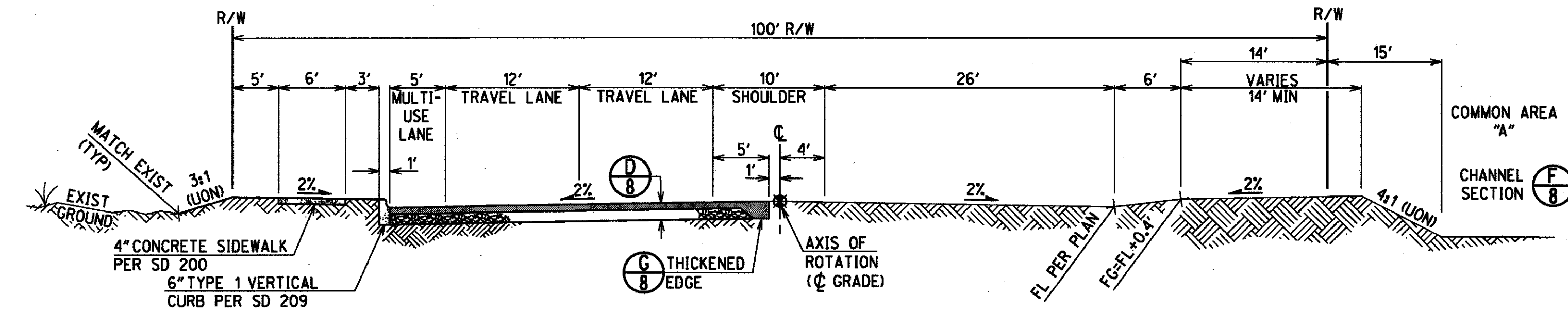


A TYPICAL INTERIM ROAD SECTION AT ENTRANCE
NO SCALE

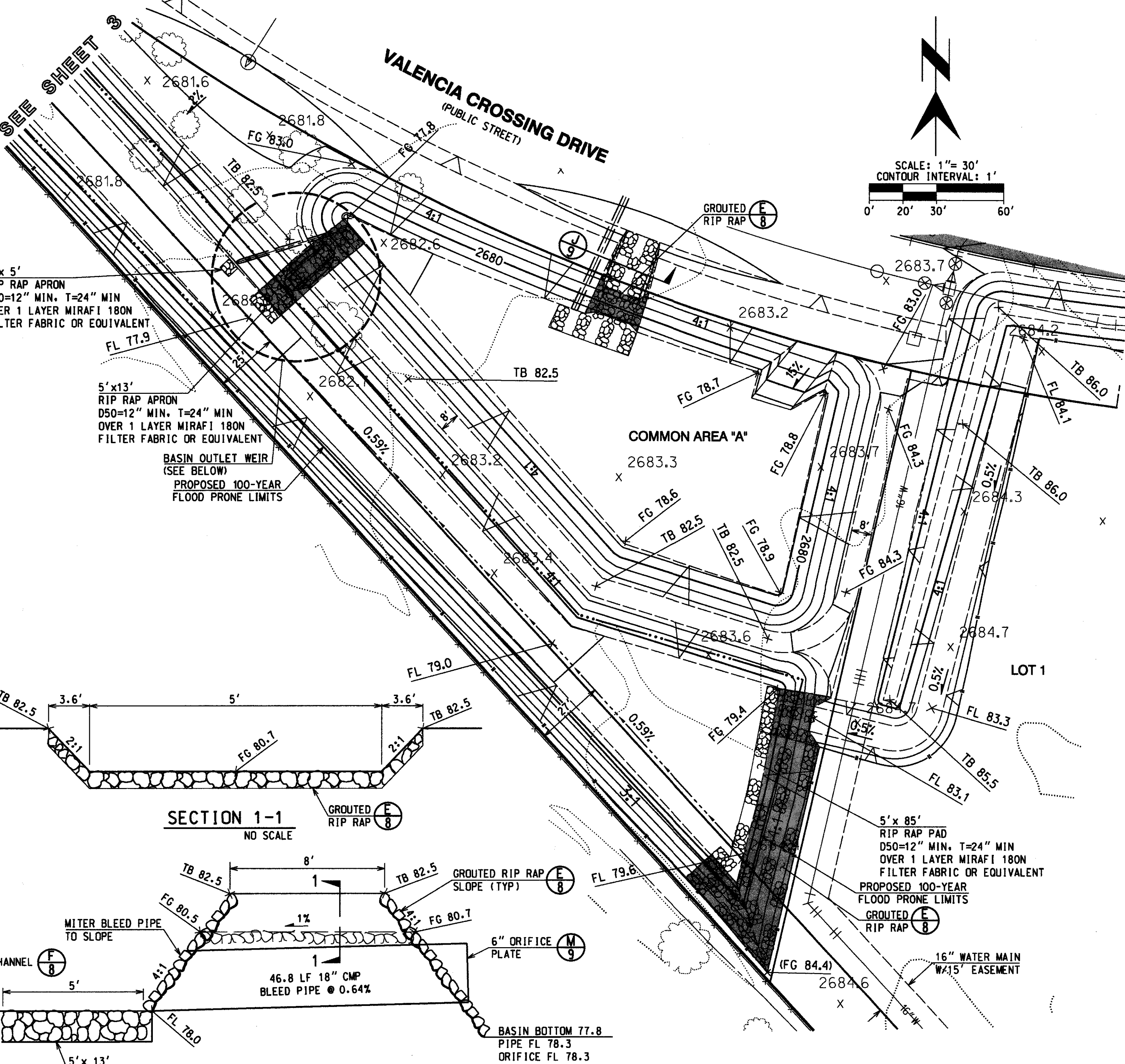


B TYPICAL INTERIM ROAD SECTION
NO SCALE

SEE DETAIL R/9 FOR TYPICAL BUILDOUT ROAD SECTION PER I-2018-008



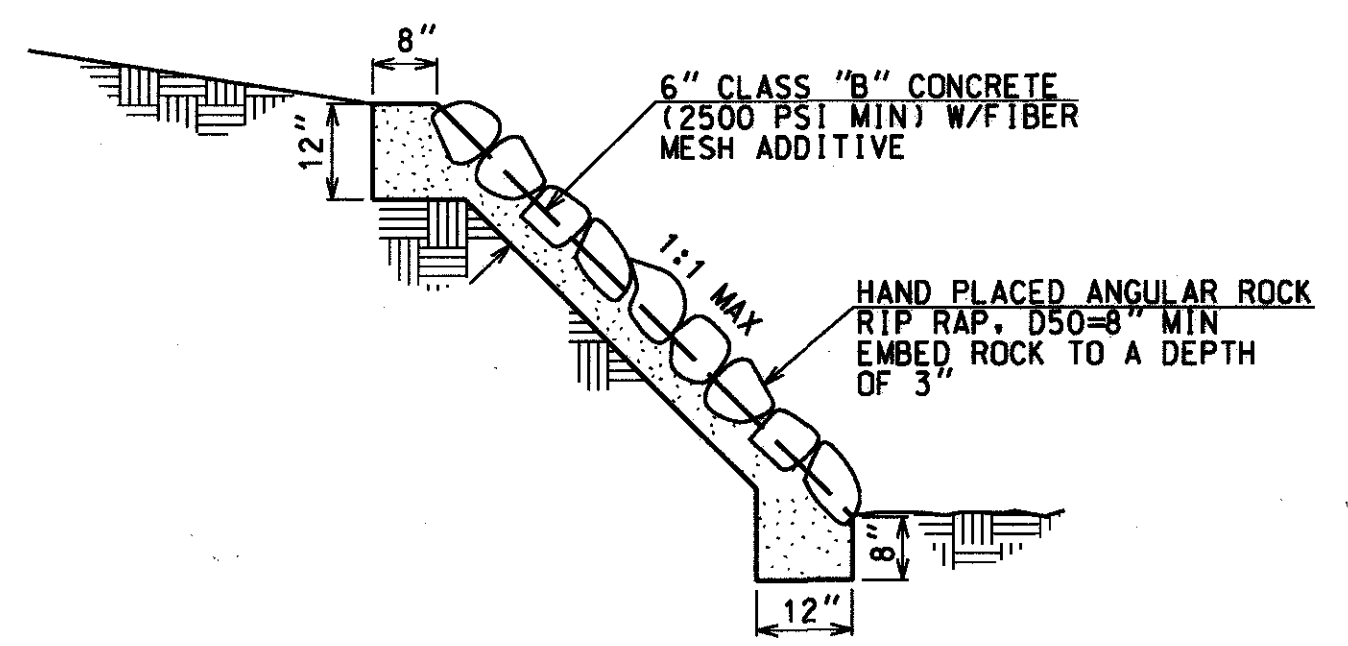
C TYPICAL INTERIM ROAD SECTION ACROSS LOTS 3&4 ALONG CHANNEL
NO SCALE



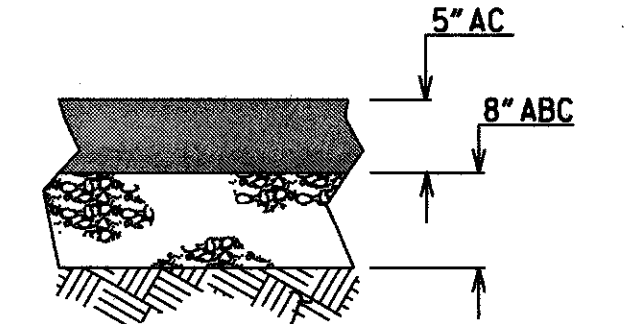
SECTION 1-1
NO SCALE

BASIN OUTLET WEIR
NO SCALE

H BASIN DETAIL
NOT PART OF PIA SCALE: 1"=30'



E GROUDED RIP RAP SLOPE TREATMENT
DTL: GRRSLOPES NO SCALE



D "AC" PAVING SECTION *
NO SCALE

COMPACTED SUBGRADE, SCARIFY, MOISTEN (AS REQUIRED) AND RECOMPACT TOP 8" TO 95%
*NOTE: FINAL PAVING SECTION MAY VARY DEPENDING ON FIELD ANALYSIS OF ESTABLISHED SUBGRADE.

RICK ENGINEERING COMPANY
3945 EAST FORT LOWELL ROAD - SUITE 111
TUCSON, AZ 85712
520-795-1000
J-3795D
Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA 811
Call 811 or click Arizona811.com

T18PI00013
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
INTERIM ROADWAY IMPROVEMENT PLANS FOR:
VALENCIA CROSSING INFRASTRUCTURE
LOTS 1-4, BLOCK "A" & COMMON AREA "A"

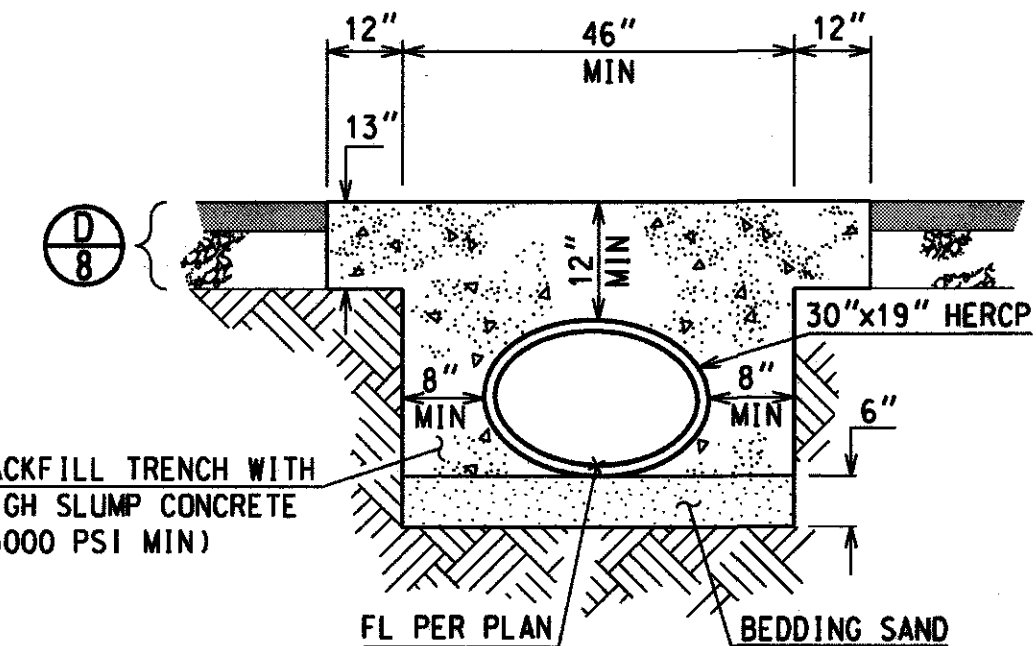
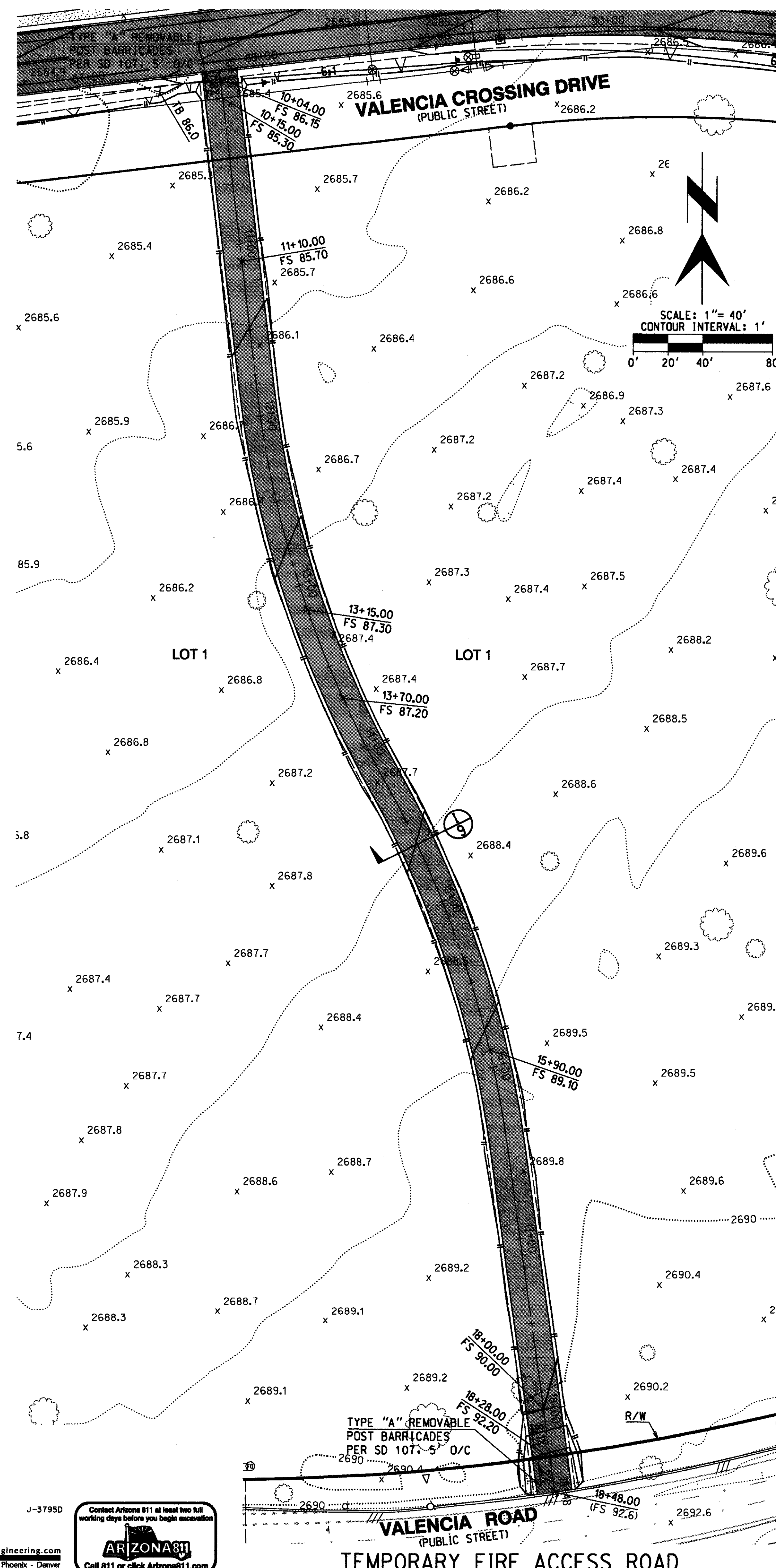
8 OF 12
CITY OF TUCSON
DRWN BY: RSM 03/18
DSGN BY: BNC 03/18
CHKD BY: 03/18
SCALE: HORIZ - N/A
VERT - N/A
PLAN NO. I-2018-008

NO. DATE REVISION BY CHKD. APPR.
F:\Valencia_Crossing\3795_Corp\TUC_CorpS\tds 2005.dscr1p1
F:\Valencia_Crossing\3795_Corp\3795Dimp08.dgn
13-AUG-2018 13:39

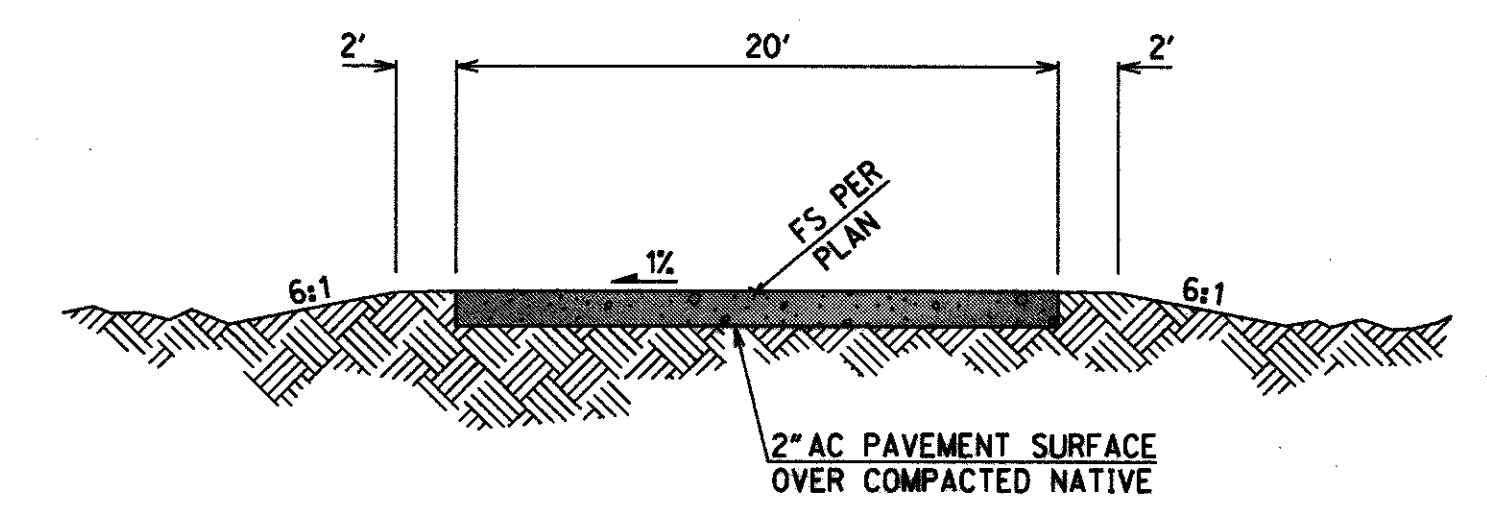
CURB ANNOTATION TABLE

NAME	LINE	TABLE	LENGTH
	DIRECTION		
CB1	S 47° 11' 29" E	50.11	
CB2	S 54° 49' 38" E	101.31	
CB3	S 41° 05' 47" E	178.17	
CB4	S 44° 25' 26" E	99.74	

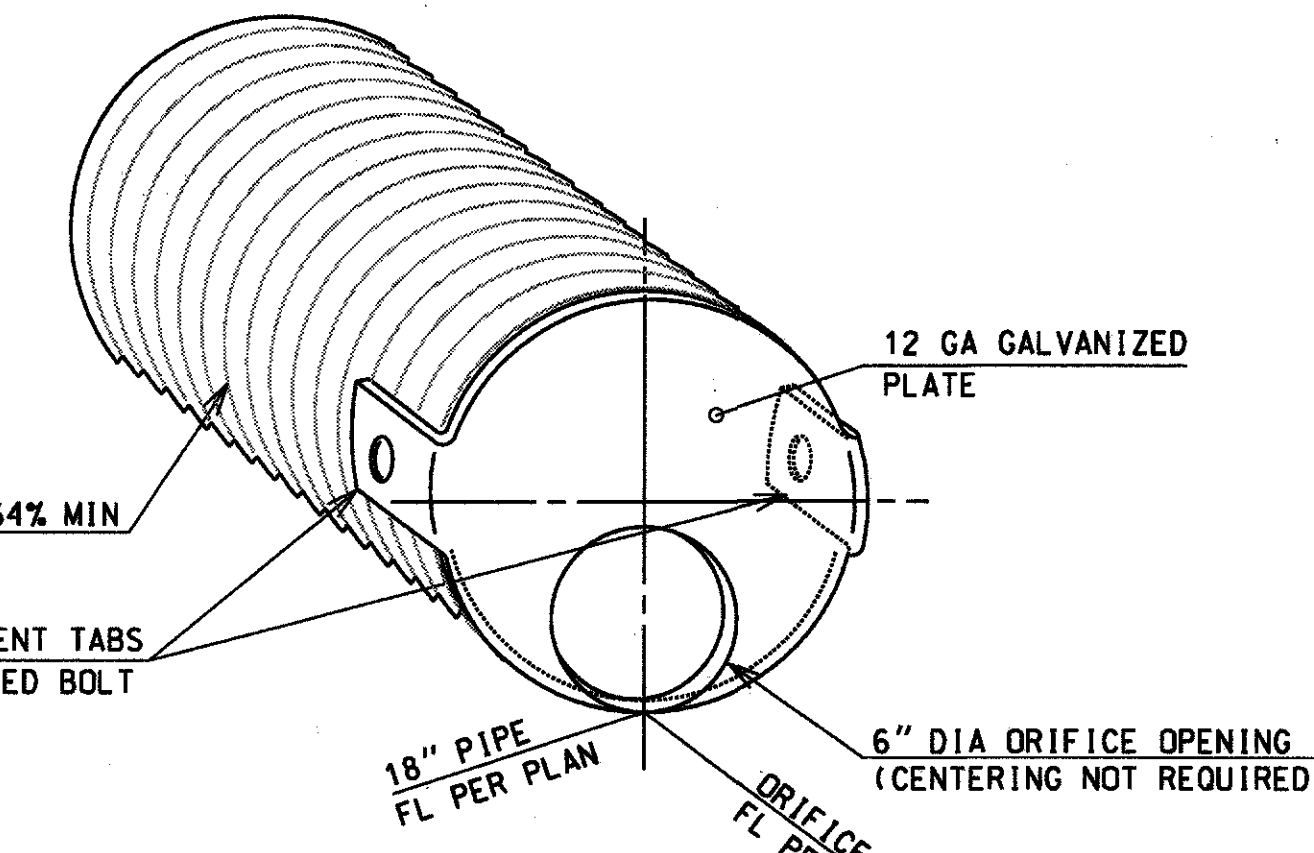
NAME	CURVE	TABLE	ARC
	DELTA	RADIUS	
CB*1	90° 00' 00"	25.00	39.27
CB*2	90° 00' 00"	25.00	39.27
CB*3	93° 05' 18"	25.00	40.62
CB*4	93° 05' 18"	25.00	40.62
CB*5	41° 37' 22"	884.31	642.41
CB*6	7° 55' 36"	1484.88	205.42
CB*7	41° 37' 22"	850.31	617.71
CB*8	6° 30' 05"	620.00	70.35



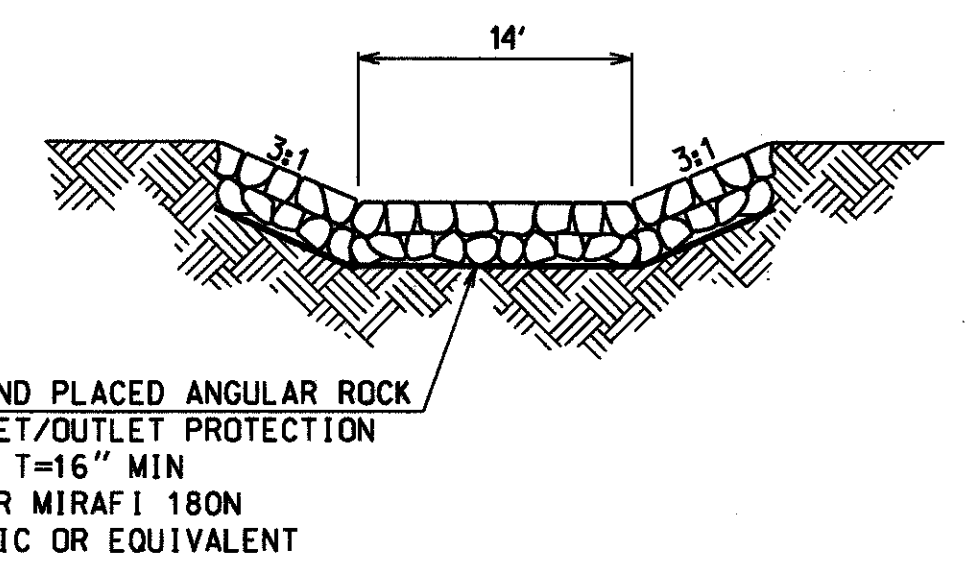
L STORM DRAIN CONCRETE BACKFILL DETAIL
NO SCALE



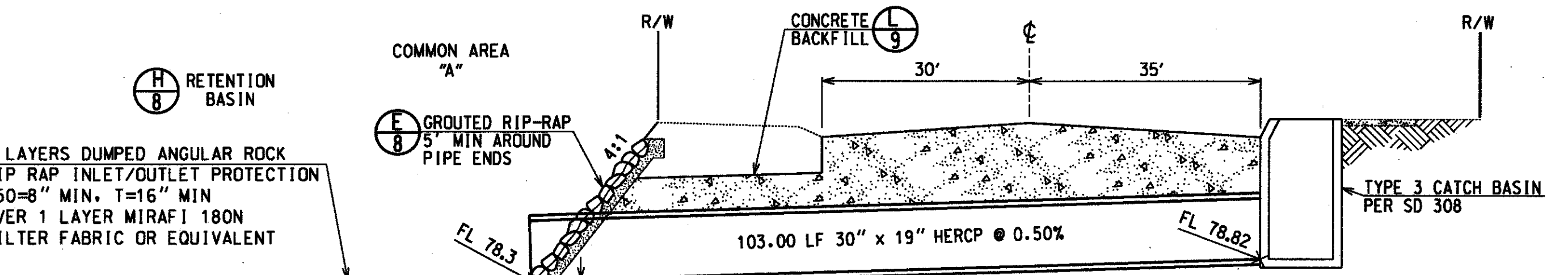
I SECONDARY FIRE ACCESS ROAD
NO SCALE



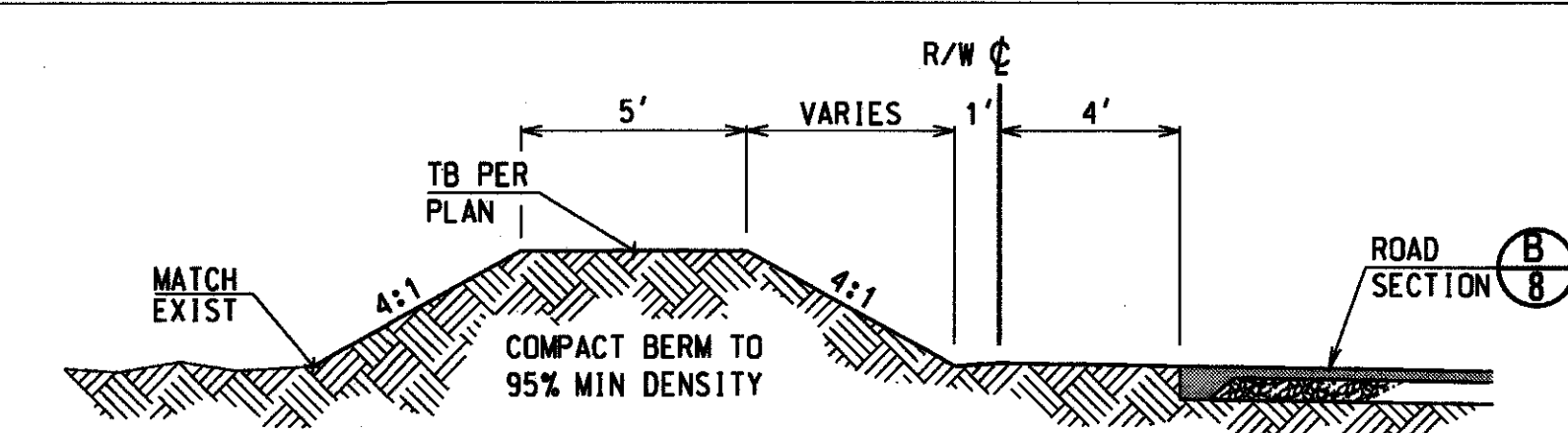
M 18" BASIN BLEED PIPE
NOT PART OF PIA
NO SCALE



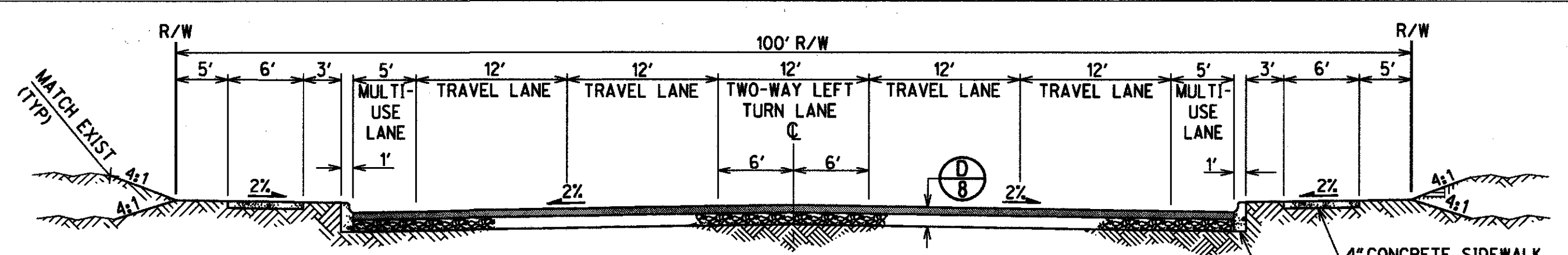
J RIP RAP SWALE
NO SCALE



K STORM DRAIN PROFILE
NO SCALE



N LOT 1 TEMPORARY BERM
NO SCALE



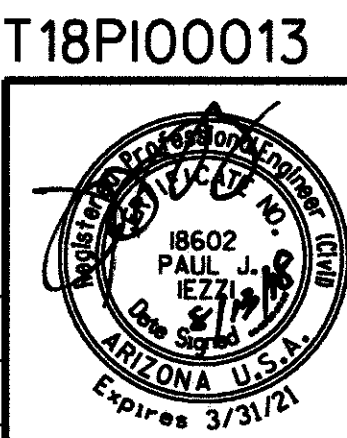
R TYPICAL BUILDOUT ROAD SECTION
PER I-2013
NO SCALE

RICK ENGINEERING COMPANY
3945 EAST FORT LOWELL ROAD - SUITE 111
TUCSON, AZ 85712
520-795-1000
rickengineering.com
J-3795D
Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA 811
Call 811 or click Arizona811.com

ARIZONA 811
Call 811 or click Arizona811.com

VALENCIA ROAD (PUBLIC STREET)
TEMPORARY FIRE ACCESS ROAD

NO.	DATE	REVISION	BY	CHKD.	APPR.



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
INTERIM ROADWAY IMPROVEMENT PLANS FOR:
VALENCIA CROSSING INFRASTRUCTURE
LOTS 1-4, BLOCK "A" & COMMON AREA "A"

CITY OF TUCSON

DRWN BY: RSM 03/18
DSGN BY: BNC 03/18
CHKD BY: 03/18

REF: SCALE: HORIZ- N/A
VERT- N/A

PLAN NO. **I-2018-008**

9 OF 12

PAVING NOTES - CONTINUED

- THE CONTRACTOR SHALL CONTACT AND/OR COORDINATE ANY WORK WITH CITY OF TUCSON STREETS & TRAFFIC MAINTENANCE DIVISION. ELECTRIC SHOP AT (520) 791-3154 PRIOR TO RELOCATION OR PLACEMENT OF ANY STREET LIGHTING OR TRAFFIC FACILITIES. CONTACT ERNIE ENCINAS AT (520) 791-3154 FOR STREET LIGHTING/TRAFFIC SIGNAL PLAN REVIEW.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS.
- ALL STATIONING IS MEASURED ALONG STREET CENTERLINE, UNLESS OTHERWISE NOTED.
- SURVEY MONUMENTS SHALL CONFORM TO THE REQUIREMENTS OF PAG STANDARD DETAIL NO. 103.
- THE DESIGN SPEED FOR THESE STREETS IS 40 MPH.

STORM DRAIN NOTES

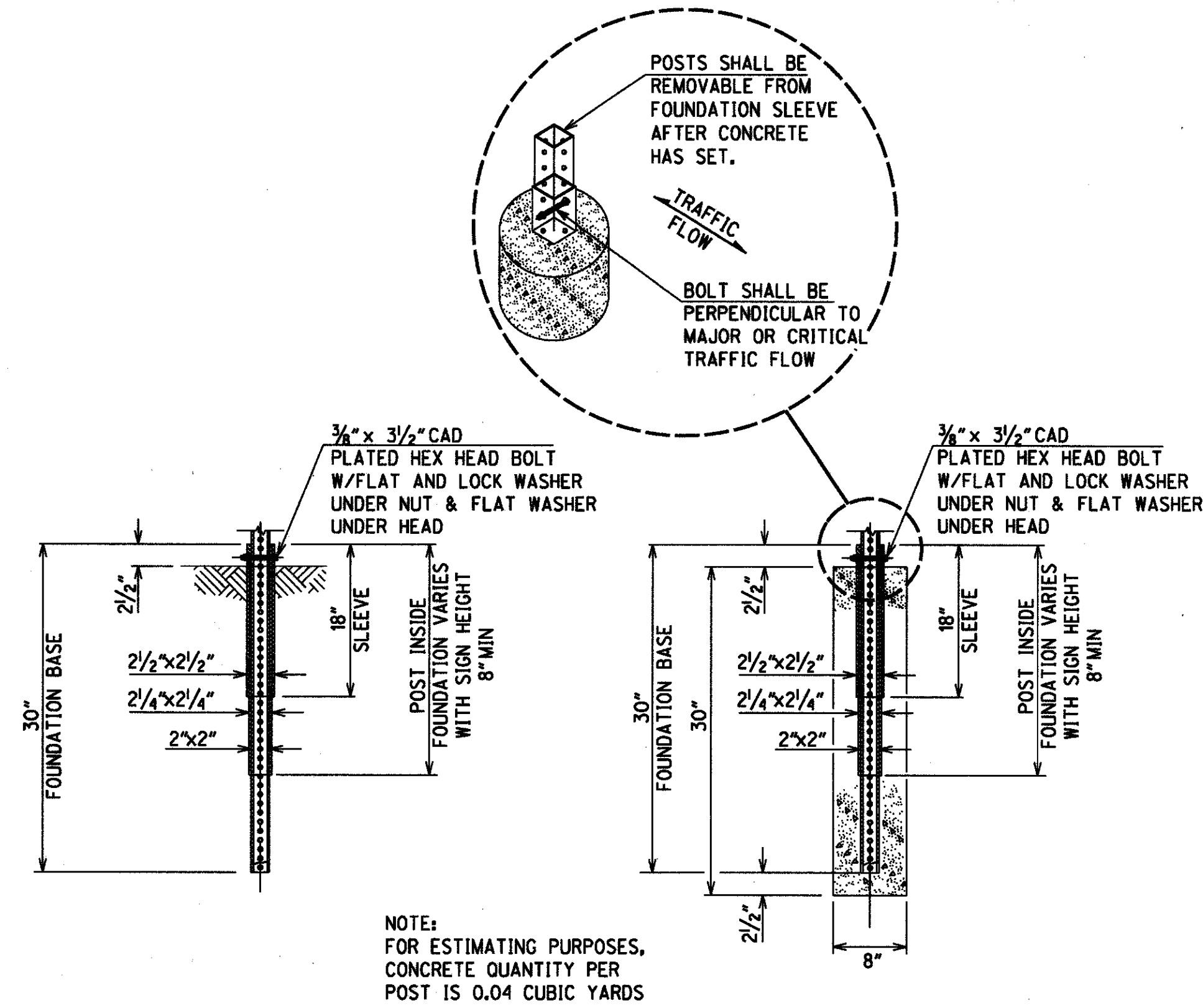
- SUBSTITUTION OF ANY MATERIALS FOR CONSTRUCTION OF STORM DRAIN WILL NOT BE ALLOWED UNLESS FIRST APPROVED BY THE ENGINEER OF WORK.
- STORM DRAINS ARE TO BE CONSTRUCTED IN COMPLIANCE WITH PIMA ASSOCIATION OF GOVERNMENTS STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, DIVISION 500. THESE MAY BE MODIFIED AND/OR SUPPLEMENTED BY THE REQUIREMENTS OF THESE PLANS.
- PIPE BEDDING SHALL CONFORM TO PIMA COUNTY/CITY OF TUCSON STANDARD DETAILS FOR PUBLIC IMPROVEMENTS STANDARD DETAIL 108.
- ELLIPTICAL RCP STORM DRAIN SHALL BE AMERON REINFORCED CONCRETE PIPE, 1500-D LOAD, CLASS HE-II OR EQUIVALENT. PIPE AND BEDDING SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND STANDARD DETAIL NO. 108.

GENERAL NOTES

- CURB RADII ARE MEASURED TO FRONT FACE OF CURB.
- THE CONTRACTOR SHALL VERIFY EXISTENCE OF ALL UTILITIES BY CALLING ARIZONA 811 AT 811 TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION. THE PLAN LOCATIONS OF EXISTING UTILITIES BEING SHOWN ARE APPROXIMATE.
- THE CONTRACTOR AGREES TO PROTECT ALL ADJACENT PROPERTY AND EXISTING IMPROVEMENTS, INCLUDING POSITIVE CONTROL OF EARTH SPILLAGE, CONSTRUCTION WATER, AND RUNOFF WATERS.
- THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOBSITE CONDITIONS DURING THE COURSE OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- THE EXISTENCE AND LOCATION OF ANY EXISTING UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE A REPRESENTATION OF THE ACCURACY OR COMPLETENESS OF THE LOCATION OR THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT ANY UTILITY NOT OF RECORD OR NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR COSTS INCURRED AS A RESULT OF DAMAGE TO UTILITIES CAUSED BY HIS OPERATIONS.
- IF THERE ARE ANY QUESTIONS REGARDING THESE PLANS OR FIELD STAKES, THE CONTRACTOR SHALL REQUEST AN INTERPRETATION BEFORE DOING ANY WORK BY CALLING THE ENGINEER OF WORK AT (520) 795-1000.
- ALL NOTES SHALL CROSS-APPLY TO ALL CONSTRUCTION DISCIPLINES INVOLVED WITH THIS PROJECT.
- FACE OF CURB REVEAL IS 6 INCHES UNLESS OTHERWISE SHOWN.
- SOME ELEVATIONS ARE SHORTENED FOR CLARITY, REMOVING THE THOUSAND AND HUNDRED UNIT VALUES. SEE BASIS OF ELEVATION FOR FULL ELEVATION REFERENCE.
- CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO CONFINE HIS OPERATIONS TO THE GRADING LIMITS SHOWN.
- THE CONTRACTOR SHALL FACILITATE THE WORK OF THE SOILS ENGINEER DURING HIS OBSERVATIONS AND COMPACTION TESTS DURING THE FILLING AND COMPACTING OPERATIONS.
- CUT AND FILL SLOPES SHALL BE TRIMMED TO THE FINISH GRADE TO PRODUCE A UNIFORM CROSS-SECTION. THE SLOPE OF THE EXCAVATIONS OR EMBANKMENTS SHALL BE SHAPED AND TRIMMED AS SHOWN ON THE PLANS AND LEFT IN A NEAT AND ORDERLY CONDITION. ALL STONES, ROOTS, OR OTHER WASTE MATTER EXPOSED ON EXCAVATION OR EMBANKMENT SLOPES SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE BY THE CONTRACTOR.

GENERAL NOTES - CONTINUED

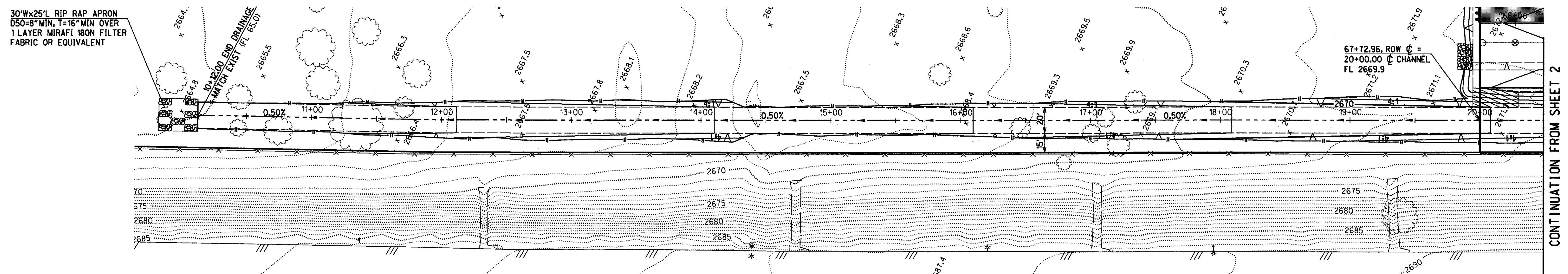
- PRIOR TO THE START OF GRADING, ALL VEGETATION AND OBSTRUCTIONS, AS WELL AS TRASH, SHALL BE REMOVED FROM CUT AND FILL AREAS AND LEGALLY DISPOSED OF OFF-SITE. ANY EXISTING IRRIGATION, DRAINAGE OR UTILITY LINES OR OTHER ABANDONED SUBSURFACE STRUCTURES SHALL BE REMOVED, DESTROYED OR ABANDONED IN COMPLIANCE WITH SPECIFICATIONS OF THE APPROPRIATE BUILDING OFFICE OR THE SOILS ENGINEER. BRUSH SHALL BE REMOVED ONLY WITHIN THE AREA TO BE GRADED.
- THE FINAL TEST RESULTS AND APPROVAL FROM THE SOILS ENGINEER SHALL CONTAIN THE TYPE OF FIELD TESTING PERFORMED AND SUBMITTED TO THE OWNER. EACH TEST SHALL BE IDENTIFIED WITH THE METHOD OF OBTAINING THE IN-PLACE DENSITY, WHETHER SAND CONE, DRIVE RING, OR NUCLEAR DENSITY GAUGE.
- EXISTING MANHOLE RIMS, VALVE COVERS, ETC., TO REMAIN IN PLACE, SHALL BE ADJUSTED TO PROPOSED FINISHED GRADE AND/OR FINISHED SURFACE ELEVATIONS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FULLY COMPLY WITH THE ARIZONA POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT IN ACCORDANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN PREPARED FOR THIS PROJECT.
- IRRIGATION/ELECTRICAL SLEEVES SHALL BE 4 INCH SCHEDULE 40 PVC. SLEEVES SHALL BE PLACED 18 INCHES BELOW FINISHED GRADE AND SHALL EXTEND 2 FEET MINIMUM BEYOND THE BACK OF CURB, HEADER, OR SIDEWALK. A CONTINUOUS MAGNETIC MARKING TAPE SHALL BE PLACED 12 INCHES BELOW FINISHED GRADE ABOVE THE SLEEVES. THE CURB SHALL BE MARKED BY A STAMPED LABEL "I" (IRRIGATION SYSTEM). SLEEVE ENDS SHALL BE MARKED UPON AS-BUILT PLANS AND SHALL BE COVERED WITH HEAVY DUTY TAPE TO PREVENT SOIL FROM ENTERING SLEEVES UPON BACK FILLING.
- THE GENERAL CONTRACTOR SHALL COORDINATE ALL RIP RAP SLOPE TREATMENT REQUIREMENTS WITH THE LANDSCAPE CONTRACTOR. LANDSCAPE PLANTINGS AND IRRIGATION LINES WITHIN AREAS TO BE RIP RAPPED SHALL BE COORDINATED TO FACILITATE THE WORK OF THE LANDSCAPE CONTRACTOR BEFORE THE RIP RAP IS PLACED. SEE LANDSCAPE PLANS FOR PLANTINGS AND IRRIGATION LINES WITHIN AREAS TO BE RIP RAPPED.
- THE GRADING CONTRACTOR SHALL EXCAVATE AND REMOVE THE SOIL BENEATH ALL PROPOSED RIP RAP AREAS SUCH THAT THE FINISHED SURFACE OF THE RIP RAP WILL MATCH THE FINISHED SURFACE ELEVATION AND SLOPE AS CALLED OUT ON THESE PLANS.
- REFER TO THE FINAL PLAN FOR THIS PROJECT FOR ADDITIONAL HORIZONTAL CONTROL AND RECORDING INFORMATION
- ALL REMAINING DISTURBED AREAS, EXCEPT RETENTION AND/OR DETENTION BASIN BOTTOMS, NOT OTHERWISE ALREADY TREATED, SHALL BE STABILIZED IN A FINAL MANNER IN CONFORMANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THIS PROJECT. A NOTICE OF TERMINATION TO CLOSE OUT THE SWPPP'S NOTICE OF INTENT CANNOT BE FILED WITH ADEQ UNTIL THESE FINAL STABILIZATION MEASURES ARE IN PLACE.
- ANY STRUCTURES OR VEGETATION WITHIN SITE VISIBILITY TRIANGLES WILL CONFORM TO THE STREET DEVELOPMENT STANDARD 3-01.5.1.A.1., TO PROVIDE A WINDOW OF VISIBILITY FROM 30" TO 72" ABOVE GRADE. ALL VEGETATION WITHIN SVTS SHALL BE PRUNED AS NEEDED TO PROVIDE THE REQUIRED WINDOW OF VISIBILITY.



SINGLE POST FOUNDATION DETAIL DIRECT BURY **SINGLE POST FOUNDATION DETAIL IN CONCRETE**

NOTE: SEE SHEET 8-2A OF PCDOT AND COTDOT TRAFFIC ENGINEERING DIVISION SIGNING STANDARDS FOR CONSTRUCTION DETAILS

2" SQUARE TUBE POST PER SHEET 8-2A
NO SCALE



CHANNEL GRADING NOT PART OF PIA

© 2018 Rick Engineering Company

RICK ENGINEERING COMPANY
3945 EAST FORT LOWELL ROAD - SUITE 111
TUCSON, AZ 85712
520-795-1000

J-37950

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

ARIZONA 811
Call 811 or click Arizona811.com

rickengineering.com
San Diego - Riverside - Orange - Sacramento - San Luis Obispo - Phoenix - Denver

T18PI00013

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
INTERIM ROADWAY IMPROVEMENT PLANS FOR:
VALENCIA CROSSING INFRASTRUCTURE
LOTS 1-4, BLOCK "A" & COMMON AREA "A"

10 OF 12

CITY OF TUCSON

DESIGNED BY: RSM
DRAWN BY: BNC
CHECKED BY: BNC

03/18
03/18
03/18

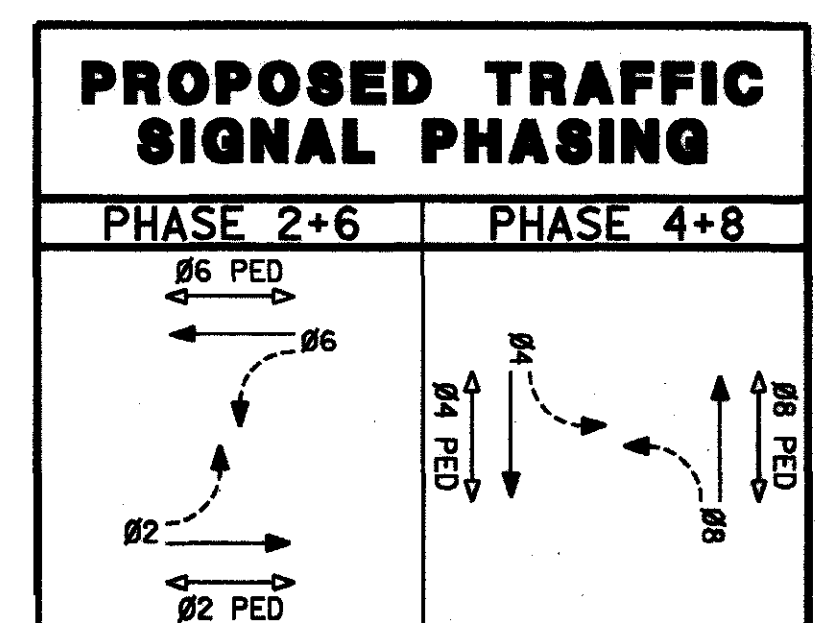
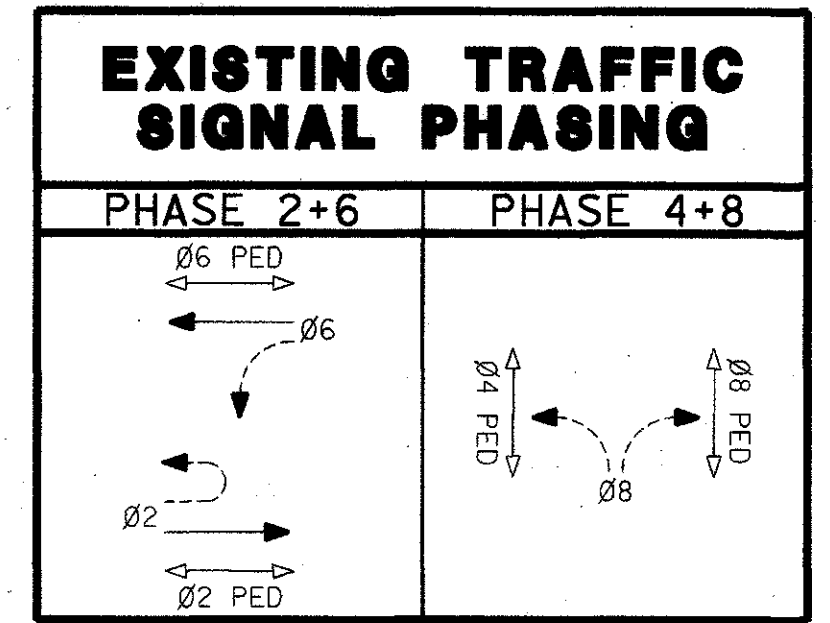
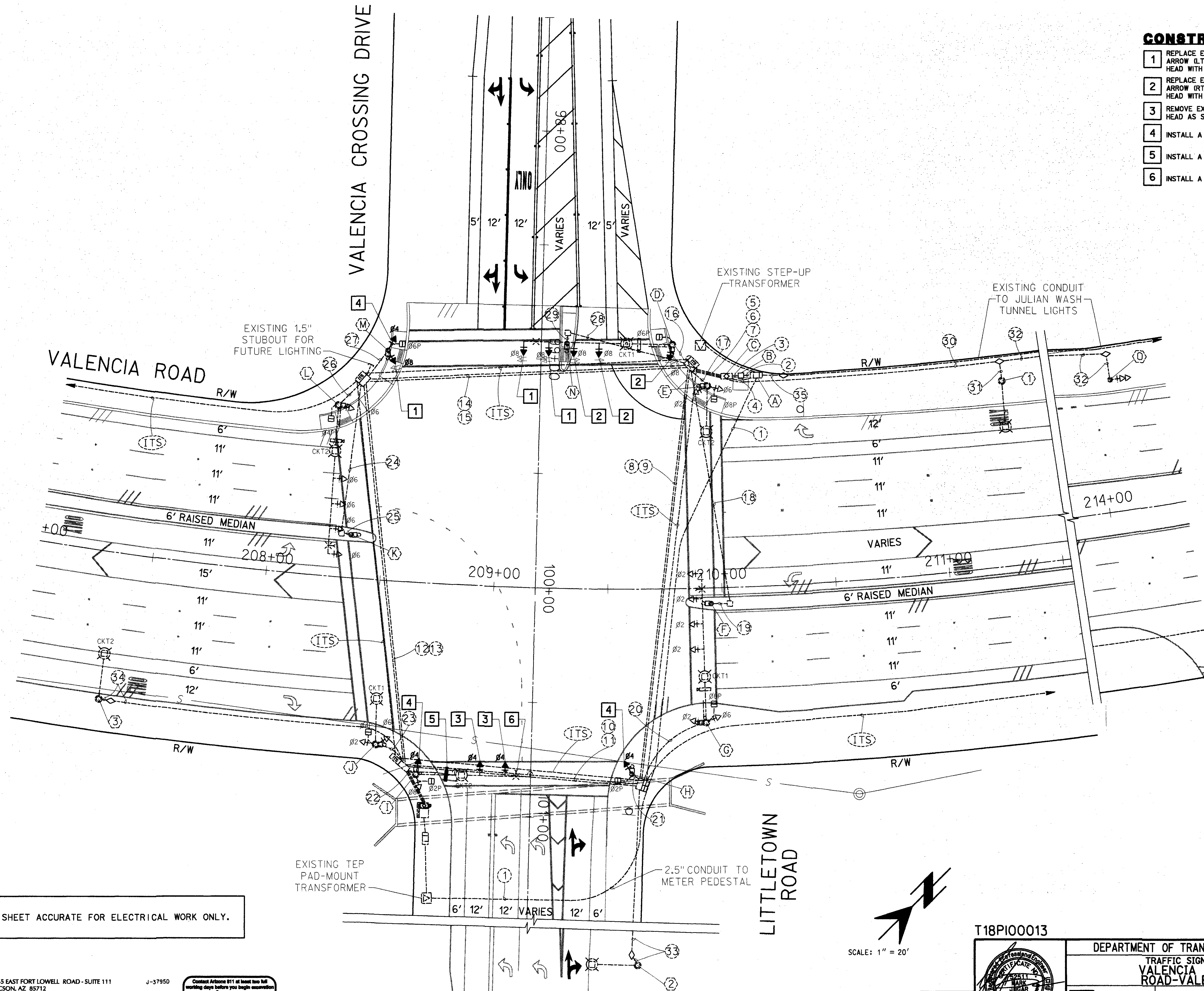
SCALE: HORIZ - N/A
VERT - N/A

PLAN NO. I-2018-008

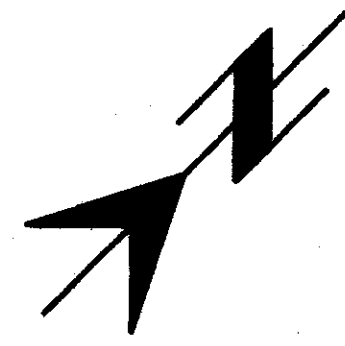
13-AUG-2018

CONSTRUCTION NOTES:

- 1 REPLACE EXISTING TYPE F SIGNAL HEAD (RED BALL, STEADY YELLOW ARROW (LT) AND FLASHING YELLOW ARROW (LT)) WITH TYPE F SIGNAL HEAD WITH RED BALL, YELLOW BALL AND GREEN BALL CONFIGURATION.
- 2 REPLACE EXISTING TYPE F SIGNAL HEAD (RED BALL, STEADY YELLOW ARROW (RT) AND FLASHING YELLOW ARROW (RT)) WITH TYPE F SIGNAL HEAD WITH RED BALL, YELLOW BALL AND GREEN BALL CONFIGURATION.
- 3 REMOVE EXISTING CAP TENON AND INSTALL A NEW TYPE F SIGNAL HEAD AS SHOWN.
- 4 INSTALL A NEW TYPE F SIGNAL HEAD AS SHOWN.
- 5 INSTALL A NEW TRAFFIC SIGNAL VIDEO CAMERA AS SHOWN.
- 6 INSTALL A NEW EMERGENCY VEHICLE PRE-EMPT SENSOR AS SHOWN.



THIS PLAN SHEET ACCURATE FOR ELECTRICAL WORK ONLY.



SCALE: 1" = 20'

T18PI00013

RICK ENGINEERING COMPANY
 3945 EAST FORT LOWELL ROAD - SUITE 111
 TUCSON, AZ 85712
 520.795.1000
 (FAX) 520.322.6956
 rickengineering.com
 Phoenix - San Diego - Sacramento - Riverside - Orange - San Luis Obispo - Bakersfield

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

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
 TRAFFIC SIGNAL MODIFICATION PLANS FOR:
VALENCIA ROAD AND LITTLETOWN ROAD-VALENCIA CROSSING DRIVE

CITY OF TUCSON

DRWN. BY	CCPM	03/18	REF.	SCALE: HORIZ- 1" = 20'
DSGN. BY	CCPM	03/18		VERT- NONE
CHKD. BY	MMJ	03/18	PLAN NO.	I-2018-008

11 OF 12

