

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

- 1) STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS (2015 EDITION), PIMA ASSOCIATION OF GOVERNMENTS (PAG).

STANDARD DETAILS/DRAWINGS

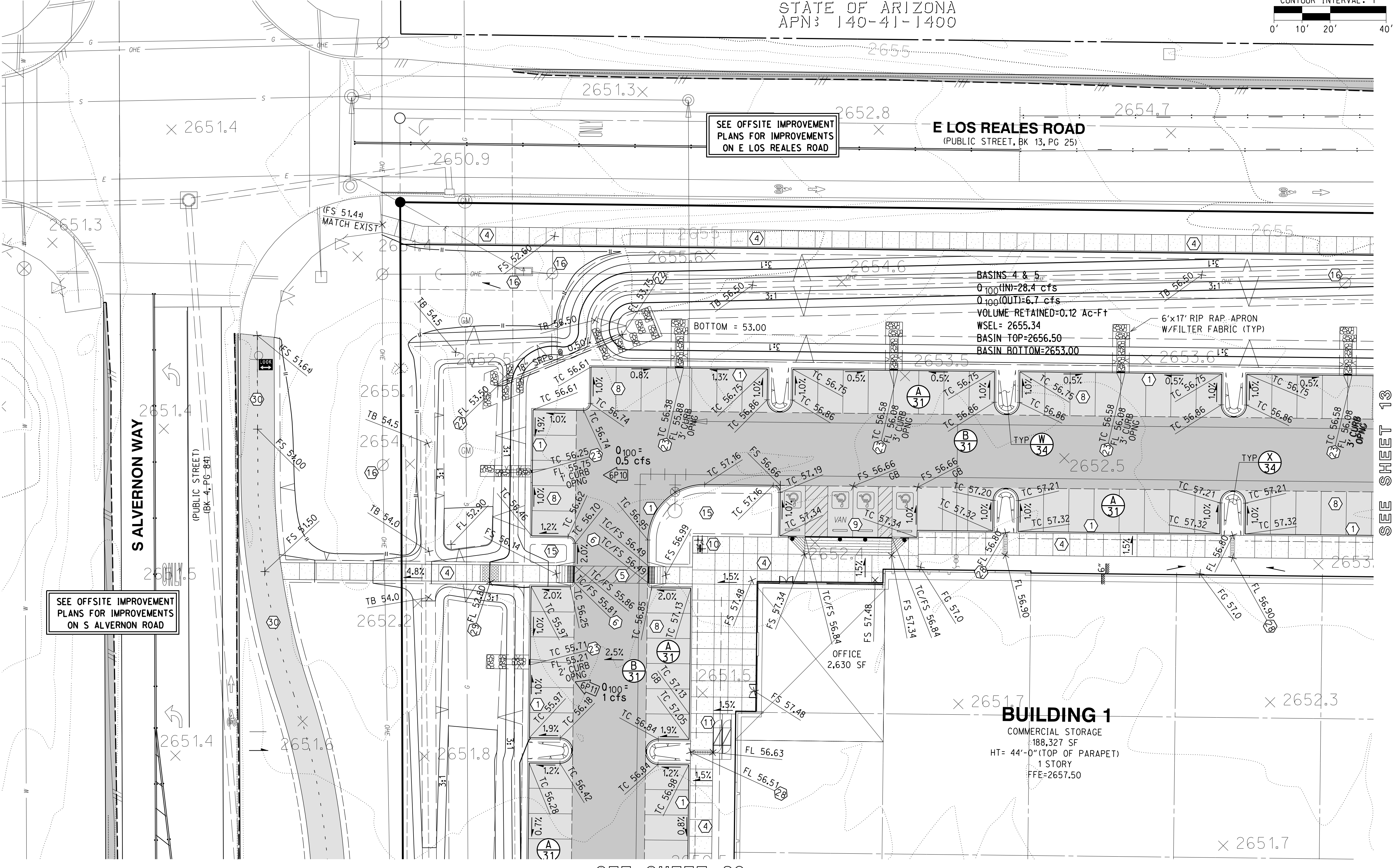
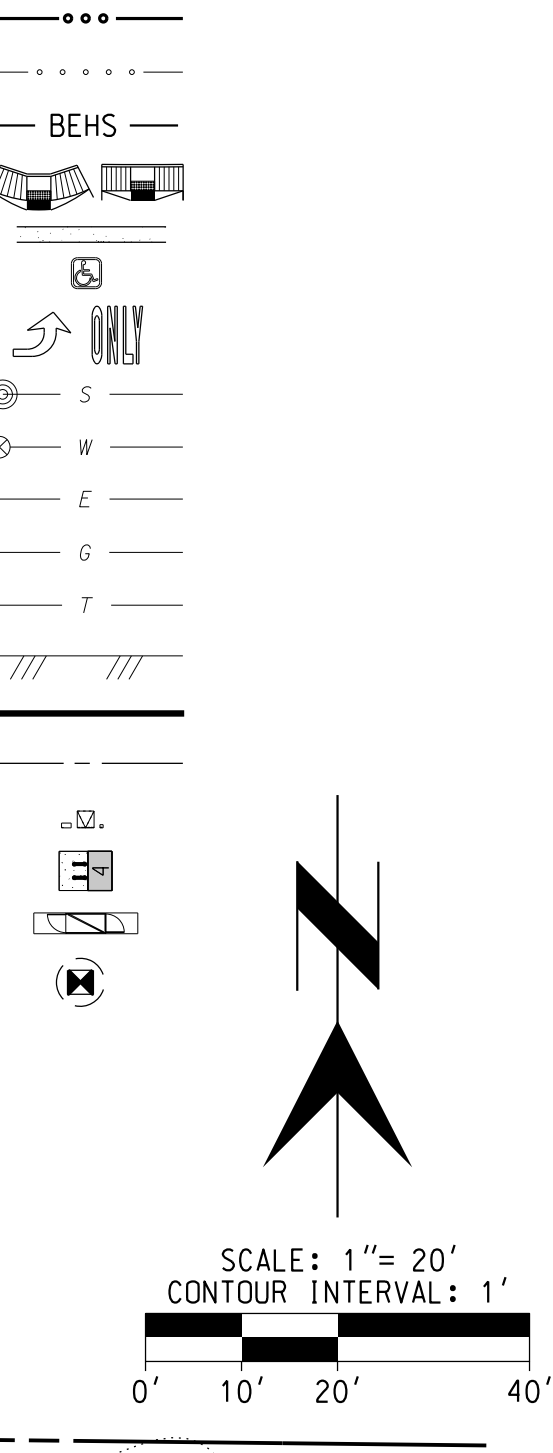
- 1) STANDARD DETAILS FOR PUBLIC IMPROVEMENTS (2015 EDITION), PIMA ASSOCIATION OF GOVERNMENTS (PAG).  
2) PIMA COUNTY/CITY OF TUCSON SIGNING & PAVEMENT MARKING MANUAL (2020 FIRST EDITION)  
3) THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION.

LEGEND

ITEM	STANDARD DETAIL	SYMBOL
A.C. PAVING (HEAVY)	SEE DETAIL B, SHEET 31	
A.C. PAVING (REGULAR)	SEE DETAIL A, SHEET 31	
CONCRETE PAVING	SEE DETAIL D, SHEET 31	
6" TYPE 2 VERTICAL CURB	SD 209	
6" x 12" CONCRETE HEADER	SD 213	
TOP OF CURB ELEVATION	TC 52.50	
FINISHED SURFACE ELEVATION	FS 52.00	
FINISHED GRADE ELEVATION	FG 57.0	
FLOW ELEVATION	FL 52.00	

TOP OF BERM	HP 64.0
HIGH POINT	TW 64.0
TOP OF WALL	(49.50)
EXIST ELEVATION	FFE 57.00
FINISH FLOOR ELEVATION	
RIDGE LINE	
PROPOSED SEWER	(FOR REFERENCE ONLY)
PROPOSED SEWER MANHOLE	(FOR REFERENCE ONLY)
PROPOSED SEWER CLEANOUT	(FOR REFERENCE ONLY)
STORM DRAIN	SD 108, SEE NOTES
NEW WATERLINE W/VALVE	(FOR REFERENCE ONLY)
RIP RAP PAD	
DETAIL REFERENCE	A = DETAIL IDENTIFICATION, 1 = SHEET SHOWING DETAIL
PROPOSED SLOPE	
RIP RAP SLOPE PROTECTION	SEE DETAIL X, SHEET X
EXIST CONTOUR	
PROPOSED CONTOUR	
DAYLIGHT LINE	
EASEMENT LINE	
DIRECTION OF FLOW OR SWALE	
RETAINING WALL	FOR REFERENCE ONLY, SEE GENERAL NOTE XX SHEET X
SCREEN WALL	
NUMBER OF PARKING SPACES	
Q <sub>100</sub> DISCHARGE	

TB 64.0	PROPOSED 100-YEAR FLOODPLAIN LIMITS
HP 64.0	EXIST FEMA EFFECTIVE FLOODPLAIN LIMITS
TW 64.0	PROPOSED BUILDING EROSION HAZARD SETBACK
(49.50)	CURB ACCESS RAMP SD 207(UNLESS OTHERWISE NOTED)
FFE 57.00	CONCRETE SIDEWALK SD 200
	HANDICAP PARKING
	PAVEMENT MARKINGS
	EXIST SEWER AND MANHOLE
	EXIST WATERLINE W/VALVE
	EXIST UNDERGROUND ELECTRIC LINE
	EXIST GAS LINE
	EXIST TELEPHONE LINE
	EXIST CURB & PAVEMENT
	PROJECT BOUNDARY
	CENTERLINE
	TEP TRANSFORMER (FOR REFERENCE ONLY)
	SHORT-TERM BICYCLE PARKING
	LONG-TERM BICYCLE PARKING
	PROPOSED DRYWELL (SEE DTLS V & Z SHEET 34)



KEYNOTES

- NEW 6" TYPE 2 VERTICAL CURB PER PAG SD 209
- END VERTICAL CURB WITH 3' TERMINAL SECTION PER PAG SD 212
- RADIUS RETURN WITH 6"x12" CONCRETE HEADER PER PAG SD 213
- 6' WIDE MIN CONC SIDEWALK PER PAG SD 200. SEE PLAN FOR WIDTH
- 6' WIDE MINIMUM PEDESTRIAN CROSSWALK
- CURB ACCESS RAMP PER ADA STANDARDS WITH TRUNCATED DOMES PER SECTION 705 ICC/ANSI 117.1
- R1-1 30" X 30" STOP SIGN
- STANDARD 90° PARKING REGULAR PARKING SPACE, 9' x 18' (15.5' W/2.5' OVERHANG)
- STANDARD 90° 9' x 18' HANDICAP PARKING SPACE. SEE DETAIL
- SHORT TERM BICYCLE PARKING IN CONFORMANCE WITH COT UDC SECTION 7.4.9.
- LONG TERM BICYCLE PARKING IN CONFORMANCE WITH COT UDC SECTION 7.4.9.
- 12'x50' TRAILER PARKING
- TRASH ENCLOSURE IN CONFORMANCE WITH COT TSM SEC. 8.01
- BUILDING STEM WALL PER ARCHITECTURAL AND STRUCTURAL DRAWINGS
- 9" MAX DEPRESSED LANDSCAPING AREAS FOR STORM WATER HARVESTING
- EXIST J2 CABINET, DOWNGRADE OR POWER TO REMAIN AND PROTECTED IN PLACE
- RETAINING WALL W/BARRICADE RAILING PER STRUCTURAL PLANS
- NEW MONUMENT SIGN BY SEPARATE PERMIT
- MODIFIED TYPE 4 CATCH BASIN W/SEF-1 GRATES PER PAG SD 309, W/ CONC. APRON WHERE SHOWN
- MODIFIED TYPE 4 CATCH BASIN W/7EF-1 GRATES PER SD PAG 309, W/ CONC. APRON WHERE SHOWN
- STORM DRAIN CLEANOUT PER
- STORM DRAIN INLET/OUTLET PIPE
- DEPRESSED CURB, SIZE PER PLANS W/TYPE "B" POST BARRICADES PER PAG SD 106 @ 5' O.C. NUMBER PER PLAN. SEE DETAIL
- 2' CURB OPENING, PROVIDE 3' X 3' RIP RAP APRON D50=8", T=8"
- CONCRETE GUTTER PER
- 42" SECURITY BARRIER. SEE ARCHITECTURAL PLANS FOR DETAILS
- CURB OPENING LENGTH PER PLAN, PROVIDE 5' WIDE BAND OF RIP RAP APRON D50=8", T=8". EXTEND THE RIP RAP 3' BEYOND BOTH ENDS OF THE OPENING
- 6" TYPE 1 SIDEWALK SCUPPER PER PAG SD 204. COORDINATE WITH MECHANICAL DRAWINGS AND CONNECT ROOF DRAIN TO SCUPPER
- TYPE 2 SIDEWALK SCUPPERS PER PAG SD 205. SEE PLAN FOR NUMBER OF CELLS. PROVIDE 10' x 5' RIP RAP APPROX D50=8", T=8" OVER 1 LAYER MIRAFI 180N FILTER FABRIC OR EQUIVALENT
- 12' WIDE PATH, 2" ASPHALT OVER 12" COMPACTED SUBGRADE
- CONCRETE CHANNEL PER
- PROPOSED TRASH COMPACTOR
- 1' CURB OPENING FOR WATER HARVESTING. PROVIDE 2' X 2' RIP RAP APRON.

NOTE: NOT ALL RIP RAP SHOWN FOR CLARITY

TYPICAL SLOPE TREATMENT

FINAL SLOPE TREATMENT (UNLESS OTHERWISE NOTED IN THE SOILS REPORT OR ON THIS PLAN) SHALL BE AS FOLLOWS:	
STEEPER THAN 1:1	- RETAINING WALL
1:1 TO 1.99:1 OVER	- GROUTED ROCK RIP RAP PER DETAIL
2' IN HEIGHT	
2:1 TO 2.99:1 OVER	- HAND PLACED ANGULAR ROCK RIP RAP
2' IN HEIGHT	- 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)

**CDRC Approved Development Package**  
iMonsh1  
01/06/2023  
PLANNING & DEVELOPMENT SERVICES

☒ Site/Dev Plan  
☐ Tentative Plat  
☒ Grading  
☒ SWPPP  
☒ FUP  
☐ per letter in SIRE, Revision #

☐ SCZ  
☐ ERZ  
☐ HDZ  
☐ WASH  
☐ Other

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**RICK**  
ENGINEERING COMPANY  
Tucson

GRADING PLAN AND LEGEND DEVELOPMENT PACKAGE

**I-10 INTERNATIONAL**  
4150 EAST LOS REALES ROAD, TUCSON, AZ 85756

A PORTION OF THE NORTHWEST QUARTER OF SECTION 22,  
TOWNSHIP 15 SOUTH, RANGE 14 EAST, GLA & SALT RIVER  
MERIDIAN, CITY OF TUCSON, PIMA COUNTY, ARIZONA.

Call 811 or click Arizona811.com

DP22-0122  
C15-22-01

SHEET 12 OF 86

DESIGNED BY: THM	DATE: 04/2022	CHECKED BY: PJI	DATE: 04/2022	APPROVED BY: PJI	DATE: 04/2022
DRAWN BY: PAD	DATE: 04/2022	DATE: 04/2022	DATE: 04/2022	DATE: 04/2022	DATE: 04/2022

13-DEC-2022

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