

BOARD OF SUPERVISORS AGENDA ITEM REPORT

Requested Board Meeting Date: September 17, 2019	
Title: Sonoran Ranch Estates II, Phase II, Lots 81-104 and 107-127, P18SC00015, Developer: KB Home	
Introduction/Background:	
Acceptance of the above referenced Project/Roadway into the Pima County Maintenance System.	
Discussion: Project/Roadway Improvements have been completed and dedicated to Pima County and Recorded as Public Right-of-Way. Recommendation is made to accept the attached roadways into the Pima County Maintenance System.	
Conclusion:	
f Approved: Public improvements completed adjacent to these Subdivision Lots and/or Roadway will be maintained by the Pima County Department of Transportation.	/
f Denied: Recently completed improvements to the above referenced Project/Roadway will not be maintained by the Pima County Department of Transportation.	е
Recommendation:	
Acceptance of the attached roadways/subdivision improvements into the Pima County Maintenance System.	
Fiscal Impact: No cost to the Department for these improvements. If accepted into the Maintenance System there will be a cost associated with the maintenance, however not immediately since it is new construction. Board of Supervisor District:	ļ
1	
Department: Transportation Telephone: 520-724-2650	
Contact: Martin Landin Telephone: 520-724-2819	
Department Director Signature/Date: Ang M. Olysax 8/19/19	
Deputy County Administrator Signature/Date: 8/19/19	
County Administrator Signature/Date: Claudettury 8/20/p	

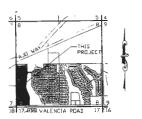
SONORAN RANCH ESTATES II

LOTS 1-572

COMMON AREA "A" AND COMMON AREA "B" BOOK 60 PAGE 47 M&P

PRIVATE GRADING AND DRAINAGE PLANS **PUBLIC PAVING AND SEWER PLANS** PHASE II

LOTS 81-104 & 107-127

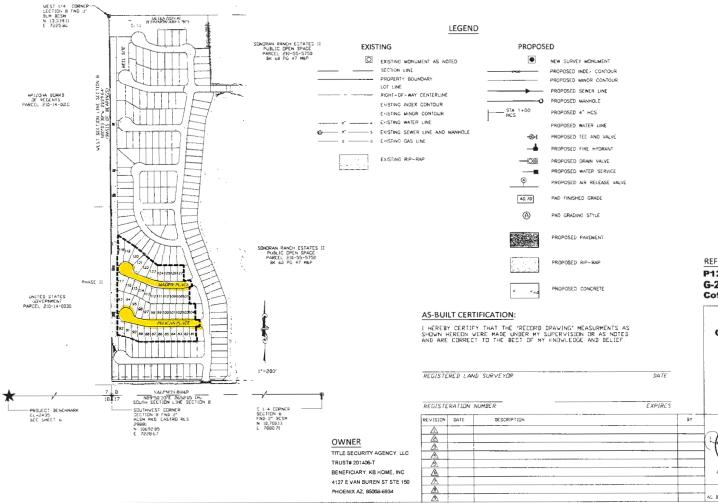


LOCATION MAP SECTION 8 TISS RIZE GILA & SALT RIVER MERIDIAN PIMA COUNTY, ARIZONA SCALE: 3'= 1 MILE

SHEET INDEX

SHT NO

- COVER SHEET
- SHEET INDEX
- AS-BUILT CERT SHEET
- SEWER NOTES
- SEWER DETAILS
- GRADING PAVING NOTES
- GRADING DETAILS
- GRADING PLAN
- GRADING DETAILS
- PELICAN PLACE PLAN AND PROFILE
- 11 MAGPIE PLACE PLAN AND PROFILE
- SIGNAGE SHEET



P189C00019 necroved 04/30/2018

PROJECT CONTROL MAP

ARCEL 210-15-004A

REF: P1204-086

G-2005-124 Co9-04-03



G 2018-028 P18SC00015

SONORAN RANCH ESTATES II LOTS 1-572 COMMON AREA "A" AND COMMON AREA "B" BOOK 60 PAGE 47 M&P

A PORTION OF SECTION 8 TISS RIZE GLA & SALT RIVER MERIDIAN PIMA COUNTY, ARIZONA

PRIVATE GRADING AND DRAINAGE PLANS PUBLIC PAVING AND SEWER PLANS PHASE II LOTS 81-104 & 107-127 COVER





ENGINEERING, PC

CIVIL ENGINEERING

AS BUILT BY APEX | BRWN BY DHR CHK BY DHR PROJ. 15-107

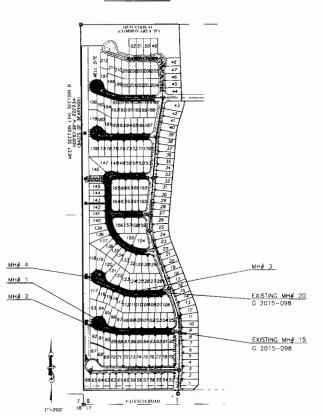
SHEET 1 OF 12

DI TI NTRON #1 (COMMON AREA "B")

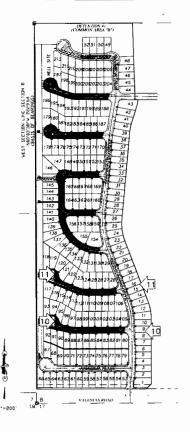
696 636261605958575859595

GRADING INDEX

MANHOLE INDEX



PAVING/SEWER INDEX



G 2018-028 P18SC00015

SONORAN RANCH ESTATES II LOTS 1-572
COMMON AREA "AND COMMON AREA "B"
BOOK 60 PAGE 47 M&P
A PRITUN OF SECTION B TISS RIPE
GILA & SALT RIVER MERIDIAN
PINA COUNTY, ARZONA

PRIVATE GRADING AND DRAINAGE PLANS **PUBLIC PAVING AND SEWER PLANS** PHASE II LOTS 81-104 & 107-127 SHEET INDEX

REVISION	DATE	DESCRIPTION	BY				_
Λ							Z
A		-		1		March &	ί-
<u>A</u>				7	* (g	(c) \$150	ş
A					J VE.	NO NO	
A.					100		
<u> (A</u>					DIPPRES .	ANC 30, 201	٠
_ ♠							_
<u>A</u>							
<u> </u>				2A	BUILT 1	BY. APEX	_





SHEET 2 OF 12 DRWN BY DHR CHK BY DHR PROJ 15-107



11:1200

MANHOLE AS-BUILT INFORMATION SONORAN RANCH ESTATES II AND COMMON AREAS "A" AND "B"

.H. lo.	COORD (ARIZONA	STATE PLANE COORDINATES (ARIZONA CENTRAL) NAD 83 INTERNATIONAL			
	NORTHING	EASTING			
1					
2					
3					

H.C.S. AS-BUILT INFORMATION SONORAN RANCH ESTATES II AND COMMON AREAS "A" AND "B"

STATE PLANE COORDINATES			
(ARIZONA CENTRAL)			DISTANCE TO
NAD	83 INTER	DOWNSTREAM MANHOLE	
LOT	NORTHING	EASTING	
No.			
80			
81			
82		L	
83			
84			
	1		
86			
87			
88			
89			
90			
91			
92			
93			
94			
95			
96			
97			
98			
100			
101			
102			
103		<u> </u>	
104	ļ	<u> </u>	
105			
106			
107			
108			
109			
110			
111			
112			
113			
114			
115	<u> </u>		
116			
117			
118			
119			1
120	1	<u> </u>	
121			
122		L	ļ
123	ļ		<u> </u>
124	1	<u> </u>	
125	1		
126	-	-	
127			-
128	L		i .

G 2018-028 P18SC00015

> **SONORAN RANCH ESTATES II** LOTS 1-572
> COMMON AREA "A" AND COMMON AREA "B"
> BOOK 60 PAGE 47 M&P

A PORTION OF SECTION 8 TISS RISE SILA & SALT RIVER MERIDIAN PIMA COUNTY, ARIZONA

PRIVATE GRADING AND DRAINAGE PLANS PUBLIC PAVING AND SEWER PLANS

PHASE II LOTS 81-104 & 107-127 AS-BUILT CERTIFICATION SEWER

	BY	ATE DESCRIPTION	BATE	REVISION
1				Λ
1 M				A
1				<u> </u>
1				A
EXPR				A
				A
]				A
AS BUIL			- 1	A.





ALLIANCE ENGINEERING, PC

CIVIL ENGINEERING

1440 W CANYON SHADOWS LN ORO VALLEY AZ 85737 PH: (\$20) 975-7992 www.allengus.com ILT BY APEX DRUN BY DHR CHK BY DHR PROJ. 15-107 SHEET 3 OF 12



SEWER NOTES

P185/C00015

- ALL DESIGN STANDARDS, MATERIALS AND MORPMANISHIP FOR PUBLIC SANITAR SWERS SHALL BE IN ACCORDANCE WITH THE PIMA COUNT REGIONAL WASTEMATER RECLAMATION DEPARTMENT (PORWRD) ENGINEERING DESIGN STANDARDS 2016 (EDS 2016) AND THE STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION 2016 (SSDC 2016). SAD DOCUMENTS ARE AVAILABLE THROUGH THE PORWRD WESTEL (WWW PIMALCOV/MASTEMATERICALMATION).
- 2. THE CONTRACTOR SHALL CALL "BLUE STAKE" (1-800-785-5348) A MINIMUM OF TWO (2) BUSINESS DAYS PRIOR TO COMMENCING CONTSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL KEEP ALL "BLUE STAKE" REQUESTS UP-10-04E AND COMPLY WITH APPLICABLE ARZIONA REVISED STATUES (AR.S.) TITLE 40, CHAPTER 1, ARTICLE 6.3 SECTION 40-360.22 PERTAINING TO "BLUE STAKE". ERROWS IN "BLUE STAKE" SHALL BE MINEDIFIELY REPORTED TO THE FORICER.
- 3 THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES PRIOR TO ANY CONTRICTION. CALL "BLUE STAKE" 1-800-782-5348, A MINIMUM OF TWO (2) FULL WORKING DAYS PIPOR TO EXCAVATING.
- THE CONTRACTOR SHALL FIELD VERIFY EXISTING SEWEP ELEVATIONS AND ALIGNMENTS PRIOR TO CONSTUCTION AND IMPLEMENTATION, VERIFICATION MAY REQUIRE POT-HOLING.
- 5. HOUSE OR BUSINESS CONNECTION SEWERS (INCS OR BCS) ARE NOT PART OF THE PUBLIC SHARMAN SEWER CONVETANCE SYSTEM. PRIVATE CONNECTION SEWERS CONSTRUCTED PROR TO JANUAR JOSÓ ARTE NOT REQUIRED TO BE BLUE STARED ANY HISS POS EXCOUNTERED DURING CONSTRUCTION SHALL BE REQUIRED TO BE BLUE STARED ANY HISS POS EXCOUNTERED DURING CONSTRUCTION SHALL BEARD WASTEWARDE RECLAMATION DEPARTMENT (PCRIMED) STADIOS CONTROL TO ANY OF THE PUBLIC PROPERTY OF THE PUBLIC CONTROL REPORT OF THE PUBLIC PROPERTY OWNER OR RHT PIMA COUNTY REGIONAL WASTEWARDE RECLAMATION DEPARTMENT.
- 6 LOTS REQUIRING BACKWATER VALVES:
- 7 ANY ACTIVITY THAT MIGHT AFFECT THE SANITARY SEWER SYSTEM REQUIRES APPROVAL AND/OR PERMIT PY PORWRD PRIOR TO ANY ACTIVITY
- SEWER CONSTRUCTION SHALL NOT COMMENCE UNIL: (A) THE ARIZONA DEPARTMENT OF ENVIRONMENTAL DUALITY (ADEO) OR ITS DELECABED AUTHORITY HAS ISSUED A CONSTRUCTION AUTHORITY HAS ISSUED A CONSTRUCTION AUTHORITY HAS ISSUED AS CONSTRUCTION PROBLED FROMEY OF THE CONTROL TO SEMER CONSTRUCTION PERMIT (CONTACT THE PERMITS SECTION AT (520) 724—6649 FOR PERMIT APPLICATION REQUIREMENTS); (C) THE CONTRACTOR'S FLOW AMMAGEMENT PLAN HAS BEEN SUBMITTED THE PROBLED FOR THE PROBLED FOR THE PROBLED FOR AND APPROVED HER PROBLED FELD REMORETION, AND (D) A PRE-CONSTRUCTION METING WITH THE ASSONCD PAM COUNTY PROCEED FREID INSPECTOR OR SOFTCHIOTON METING WITH THE ASSONCD PAM FOR TO COMMENCE WITH SEMENT CONSTRUCTION.
- 2 THE CONTRACTOR SHALL MAKE FULL PAYMENT OF THE INSPECTION FEES AND OBTAIN A PCPWRD SEVER CONSTRUCTION PERMIT SECTION A MINIMUM OF HARE 13 FEITOR AND SHAPE CONSTRUCTION PERMIT SECTION A CHIVILES. FIVE (8) SETS OF THE CONSTRUCTION PLANS, SEPECIAL AND SPECIAL PROVISORS APPLICATIONS, AND SPECIAL PROVISORS APPLICATION FELD ELECTROPICATION FOR APPLICATION FELD ELECTROPICATION CASC AND SECTION OF A MINIMUM AND SECTION OF
- IU. MMEDIATELY REPORT ANY OF THE FOLLOWING TO THE PORWHO DEPARTIONS CONTROL CENTER (OCC) AT (520) 724—5500. ANY RELASES OF SEWAGE, ANY DAMAGE TO THE PUBLIC SANTARY SEWER SYSTEM, OR THE DROPPING OF DEBRIS INTO A PUBLIC SANTARY SEWER MARHOLE. A PERMED REPRESENTAINE WILL BE DISPARCHED TO THE SHE THE CONTRACTOR SHALL TAKE MIMEDIAL ACION TO CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS TO REPAIR THE SYSTEM, MINICATE THE RELEASE OF SEWAGE. DISPARCED THE RELASE AREAS, AND ANY REGULATORY FEARLIES LEVELD ON PERMED FOR SEWAGE ENTERING A NATURAL DRAIMAGE WAY OR STORM WATER DRAIMAGE SYSTEM. THE CONTRACTOR SHALL REPAIR ALL DAMAGE AS DRECTED AND AND AND ASSESSED THE CONTRACTOR SHALL REPAIR ALL DAMAGE AS DRECTED AND ASSESSED THE CONTRACTOR SHALL REPAIR ALL DAMAGE AS DRECTED AND APPROVED BY THE PORMBO FILED REPRESENTATION.
- 11. IIII INSPECTION OF THE CONTRACTOR'S WORK BY AN ACENCY AND/OR PCRYMED STAFF SHALL IN NO WAY RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OR COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. CONSTRUCTION FLANS AND/OR SPECIFICATIONS. IF THE ENGINEER OF RECORD OR PCRYMED STAFF FALL TO POINT DUT A DEFECT, DEFICIENCY OR ERROR IN THE WORK FPOM LACK OF DISCOVERY OR FOR ANY OTHER REASON, IT SHALL IN NO MAY PREVENT LATER PECETION FOR ELEVE THE CONTRACTOR OF PERFORMING CORRECTIONS TO THE UNSATISFACTORY WORK HIPM DISCOVERED THE CONTRACTOR SHALL NOT TILE A CLAM FOR COSSES STAFFRED DUE TO MAY NECESSARY REMOVALS OR REPAIRS RESULTING FROM THE
- 12. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS AT ALL TIMES AND PCRWRD MANHOLE. ENTRY GUIDELINES.
- 13. ALL ROUGH GRADING, INCLUDING FILL, SHALL BE COMPLETED PRIOR TO THE INSTALLATION OF SAMTARY SEWEPS TO A MINIMUM OF A FEET OVER THE TOP OF THE SEWER PIPE AND COMPACTION AS INDICATED ON THE PLANS OR AS OTHERWISE DIRECTED BY PERWIND.
- 14. BEDDING SHADING, AND TRENCH BACKFILL COMPACTION SHALL BE IN ACCORDANCE WITH DETAILS NOS RWRD-104 AND PWBD-105, OR AS SHOWN ON THE PLANG SHOULD GROUND WATER OR UNANICIAGRAD SOL CONDITIONS BE EXCOUNTERED. THE BEDDING SHALL BE MODIFIED BY THE ENGINEEP OF RECORD AND APPROVED BY PCRWRD.
- 15. SANITARY SEWEP CONSTRUCTION SHALL START AT THE LOWEST DOWNSTREAM POINT AND PROCRESS UPSTREAM, REGARDLESS OF THE STATIONING SHOWN ON THE PLANS. IF NOT, THE CONTRACTOR SHALL PROVIDE AN OUT OF SEQUENCE LETTER FOR APPROVAL BY PERWIP.
- THE HORIZONTAL DISTANCE BETWEEN A PUBLIC WATER MAINS AND PUBLIC SEWER LINES SHALL COMPLY WITH A.A.C. R18-5-502 AND S.D. RWRD-108.

- ACCORDING TO THE REVISED "BLUE STAKE LIM" (ARS 40-360.21 THROUGH 40-360.32), THIS
 PROJECT IS SUBJECT TO THE NEW SERVE LATERAL DESON AND CONSTRUCTION REQUIREMENTS PER
 SUBSECTION 5.3.5 OF THE PCRWRD ENGINEERING DESIGN STANDARDS (2016) AND 5.0. RWRD-401
 AND PMPD-412.
- 18. NEW PUBLIC SEWER FACILITIES MUST BE TESTED, INSPECTED AND AUTHORIZED FOR DISCHARGE BY PCRWRD AND ADEQ PRIOR TO DISCHARGING INTO THE EXISTING PUBLIC SANITARY SEWER.
- 19. AS-BUILT SEMER PLANS ARE REQUIRED FOR FINAL ACCEPTANCE OF SEMER CONSTRUCTION BY PCRWRO AND SHALL CONFORM TO SUBSECTION 1.4.7 OF THE PORRWO STAMBADO SEPCIOIZION AND DETAILS FOR CONSTRUCTION (2016). SUBMIT THREE BLACK LINE COPIES AND AN ELECTRONIC VERSION TO THE PORWRO FIELD ENGINEER.
- 20, ONLY APPROVED PLANS SHALL BE USED FOR THE CONSTRUCTION OF PUBLIC SANITARY SEWER FACILITIES. APPROVED PLANS RECOIRING DESION REVISIONS SHALL BE RESUBMITTED TO PIMA COUNTY FOR REVIEW AND RE-APPROVAL PRIOR TO START OF THE REVISED SEWER WORK.
- 21. SEWER CONSTRUCTION WILL NOT BE ACCEPTED BY PCRWBO IF IT INCLUDES ADDITIONAL WORK NOT PROVIDED IN THE APPROVED SET OF PLANS. SEE SUBSECTION 1.4.5 DF THE REGARDING HE PCKWBO STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (2016) REGARDING THE APPROVAL OF FELD CHANGES.
- 22. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL SANITARY SEWER MANHOLE STRUCTURES AT ALL TIMES
- 2.3. ALL LANDSCAPING LICATED WITHIN TEN (10) FEET HORIZONTALLY OF THE PUBLIC SANITARY SEWER AND MANNIES AND JOAN WITHIN THE PUBLIC SEWER SASSEMENTS SHOWN HEREON SHALL BE IN ACCORDANCE WITH THE PLANTING GUIDELINES CONTAINED WITHIN PORWIRD ENGINEERING DESIGN STANDARDS (2016) MANUAL SECTION 7.3
- 24. STORM WATER AND SEDMENT CONTROL MEASURES SHALL BE PROPERLY INSTALLED TO PROTECT PCRWRD MARHOLES AT THE BEGINNING OF CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTROL MEASURES THAT STORM MATER AND SEDMENT CONTROL MEASURES THAT STORM AND SEDMENT OF CONTROL MEASURES THAT STORM AND SEDMENT OF CONTROL ON CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL ON CONTROL ON
- 25. ALL PROJECT ACTIVITES MIST BE KEPT WITHIN THE PROJECT AREAS, A CAUTION MUST BE NOTED CONCERNIC HUMAN SUBJACS, ARCHOGOGICAL CLEARMORE PEROMANDIONS DO NOT EXCMPT THE DEVELOPMENT FROM COMPLIANCE WITH STATE BURIAL PROTECTION LAWS, IN THE EVENT THAT HUMAN FRAMINS, INCLUDING HUMAN SHEETER PERSONS, CREMATIONS, AND/OF CEREMONIAL OBJECTS AND FUNERARY OBJECTS ARE FOUND DURING EXCAVATION OF CONSTRUCTION, GROUND DISTURBING ACTIVITIES MUST CEASE IN THE IMMEDIATE WINNITY OF THE DISCOVERY STATE LAWS. ARS 41-865 AND ARS 41-844 REQUIRE THAT THE ARIZONA STATE MUSEUM BE NOTIFIED OF THE DISCOVERY TATE (ASD) STATE AND FUNERAL THE ARIZONA STATE MUSEUM BE NOTIFIED OF THE DISCOVERY TATE (350) 621-4795 SO THAT CULTURAL GROUPS WHO CLAIM CULTURAL OR RELIGIOUS AFFINITY TO THEM CAN MAKE APPROPRIATE ARRANGEMENTS FOR THE REPATRATION AND PEBURIAL OF THE REMAINS. THE HUMAN REMAINS WILL SE REMOVED FROM THE SITE BY A PROFESSIONAL ARCHAEOLOGIST PENDING CONSULTATION AND REVIEW BY THE ARIZONA STATE MUSEUM AND THE CONCERNED CULTURAL CROUPS.
- 26. SURVEY CUT SHEETS SHALL BE DEVELOPED IN ACCORDANCE WITH SUBSECTION 3.2 3/A)(1), PCRWPD STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (2016) OF THE CERTIFED CUT SHEETS SHALL BE SUBMITTED TO THE PCRWRD FIELD ENGINEEP PRIOR TO COMMENCEMENT OF SEWER CONSTRUCTION. THE CUT SHEETS ARE FOR THE PROJECT FILE AND COMMENCEMENT OF SEWER CONSTRUCTION WILL NOT BE DELAYED DUE TO REVIEW OF THE DELIVERABLE. ANY ERRORS OP EMISSIONS RESULTING IN IMPROPERS SEWER CONSTRUCTION SHALL NOT BE THE RESPONSIBILITY OF PCKWRD, REFER TO SUBSECTION 3.2.3(A)(II) FOR ALLONMENT VERIFICATION REQUIREMENTS INCLUDING THE SPACING REQUIREMENTS FOR GRADE STAKES.
- 27. SURVEY LAYOUT AND SURVEY CONTROL SHALL BE PERFORMED BY, OR UNDER THE DIRECT SUPERVISION OF, A REGISTERED LAND SURVEYOR (RLS) REGISTERED IN THE STATE OF ARIZONA. PRIOR 10 THE STATE OF SURVEY ACTIVITIES, THE INDIVIDUAL OR COMPANY RESPONSIBLE FOR SURVEY LAYOUT AND CONTROL SHALL CONTACT THE PIMA COUNTY DEPARTMENT OF TRANSPORTATION, SURVEY SECTION, DAVID, TERMINOR, IS, SURVEY MANAGER, AT 70-0-2629 TO ARRANCE A MEETING TO REVIEW SURVEY CONTROL. (HORIZONIAL AND VERTICAL), TO BE UTILIZED ON THE PROJECT.
- 28 SECTION 2, FOR FLOW MANAGEMENT PLAN REQUIREMENTS. CALL REGIONAL WASTEWATER FIELD ENGINEERING AT \$20-740-2651 REGARDING ALL OLESTIONS INVOLVING THE PREPARATION OF FLOW MANAGEMENT PLANS E-OPEMOR STANDARDS SPECIFICATIONS AND DETAIL FOR CONSTRUCTION 2016 MANAGE, SECTION 2.2:1 APPLIES TO ANY PROJECT THAT REQUIRES TRENCHING WITHIN SIX (6) FEET HORIZONTALLY AND/OR TWO (2) FEET VERTICALLY OR AN EMSISTING PUBLIC SEMPL INFO PRECEDING ANY WORK THAT MAY AFFECT A LIVE SEMER, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO (A) IDENTIFY AND INCLUDE ALL FLOW MANAGEMENT COSTS IN THE CONSTRUCTION MEDIAN (B) PROVIDED THE PROPERTY OF THE PROPERTY OF
- 29. FOR PROJECTS REQUIRING A FLOW MANAGEMENT PLAN, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO (A) SUBMIT A PUBLIC SEWER PERMIT APPLICATION, AND (8) PROVIDE A FLOW MOREON TO THE PROPERTY OF THE PROPERTY O

- 30. THE CONTRACTOR SHALL FURNISH, OPERATE AND MAINTAIN ALL EQUIPMENT AND LABOR NECESSARY TO PROVIDE CONTINUOUS 24 HA/DAY SANITARY SEWER SERVICE TO ALL PARTIES TIRBUTARY TO A LIVE SANITARY SEWER TO WHICH A CONNECTION IS TO BE MADE. THE PERWIPMEN CONNETANCE SECTION SHALL BE NOTIFIED AT (520-44-5600) A WINNIMUM OF TWO (2) BUSINESS DAYS PRIOR TO COMMERCING ANY CONSTRUCTION ACTIVITIES THAT COULD EITHER ADVERSELY MERCH THE FLOW WITHIN A LUE SANITARY SEWER STSTEM, OR INVOLVE CONNECTION TO ANY PUBLIC SANITARY SERVER. THE CONTRACTOR'S ATTENTION IS DIRECTION (2016).
- 31. WHERE CONNECTIONS TO EXISTING MANHOLES ARE TO BE MADE, THE CONTRACTOR SHALL CONSTRUCT NEW INVERTS IN THE EXISTING BASE TO SMOOTHLY DIRECT THE FLOW IN THE PROPER DIRECTION.
- 32. DUCTILE IRON PIPE 6 INCHES AND GREATER IN DIAMETER, FITTINGS AND METAL COUPLINGS. SHALL HAVE AN APPROVED INTERIOR LIMING. ALL DIP SHALL BE INSTALLED WITH AN APPROVED EXTERIOR POLYTETYLENE WRAPPING.
- 33. MANHOLE SURFACES THAT REQUIRE INTERIOR CORROSION PROTECTION SHALL BE CAULKED, SEALED AND COATED PER PORWING ENGINEERING DESIGN STANDARDS (2016) MANNAL, SECTION 5.2.16, AND STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (2016) MANNAL, SECTION 5.3.5VED.
- 34. THE WORDS "PIMA COUNT) SANTARY SEWER" SHALL BE IMPRINTED ONLY ON COVERS OF MANHOLES WHICH ARE TO BE PART OF THE PIMA COUNT'R PEGIONAL WASTEWATER RECLARATION (PUBLIC) SANTARY SEWER CONVEYANCE SYSTEM. SEWER MANHOLE COVERS ON CONVEYANCE SYSTEMS TO BE OWNED AND OPERATED BY ANYONE OTHER THAN PIMA COUNTY SHALL HAVE CAST INTO THEM THE WORDS. "PRIVATE SEWER."
- 19. THE CONTRACTOR SHALL ADJUST OR RECONSTRUCT ALL SANTIART SEWER MANHLES TO FINCHED GRADE ALL FRAMES AND COVER ADJUSTMENTS SHALL BE IN ACCORDANCE WITH PORPING SSDE. 2016, DETAIL NO. SHYRO 211, 212, 304 OR 305 (AS APPLICABLE) THE CONTRACTOR SHALL PROTECT THE BENCH AND FLOW CHANNELS WITH A COVER PER PERWING SSDE 2016, DETAIL NO, RWRD 305, PRIOR TO COMMENCING ANY WORK TO THE MANHOLE AND REMOVE THE COVER AFTER ALL WORK IS COMPLETED. THE CONTRACTOR SHALL ENSURE THAT FRAMES AND COVERS ARE CLEAN AND FREE FROM ANY AND ALL ATTACHED MATERIALS (ASPHALT, CONCRETE, ETC.) AND THAT ALL VENT HOLES ARE OPEN AND CLEAR OF DESTRUCTIONS, AS APPROVED BY THE PERWIND FIELD ENGINEER. EXISTING FRAMES AND/OR COVERS THAT ARE DAMAGED OR CANNOT BE COMPLETELY CLEANED SHALL BE REPLACED WITH A NEW FRAME AND COVER IN ACCORDANCE WITH PERWIND SHALL BE REPLACED WITH A NEW FRAME AND COVER IN ACCORDANCE WITH PERWIND SHALL BE REPLACED WITH A NEW FRAME AND COVER IN ACCORDANCE WITH PERWIND SHALL BE REPLACED WITH A NEW FRAME AND COVER IN ACCORDANCE WITH PERMITS AND COVERS THAT ARE LOST OF DAMAGED DUE TO THE CONTRACTORS SHALL BE THE RESPONSIBILITY OF THE
- 36. SPECIAL CARE, SHALL BE TAKEN TO ENSURE DESIGN SLOPES ARE MAINTAINED. SEWERS CONSTRUCTED AT INSUPPRICIANT SLOPES MULL NOT BE ACCEPTED BY PERFORD FILED ENGINEERING AND/OR ADED. CORRECTIVE ACTION, INCLUDING RE-CONSTRUCTION OF THE SEWER(S), WILL BE AT THE SOLE EXPENSE OF THE PROLECT OWNER/CONTRACTION.
- 37. DO NOT ALLOW SEWAGE FLOW TO ENTER PUBLIC SEWER UNTIL RELEASED BY PORWRD. (CODE ORDINANCE, SUBSECTION 13.20.030.0.2)



G 2018-028 P18SC00015

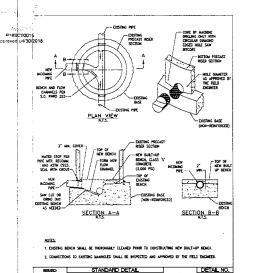
> 85737 **12**

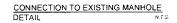
SONORAN RANCH ESTATES II LOTS 1-572 COMMON AREA "A" AND COMMON AREA "B" BOOK 60 PAGE 47 M&P

A PORTION OF SECTION 8 1155 RISE GILA & SALT RIVER HERIDIAN PIMA COUNTY, ARIZONA

PRIVATE GRADING AND DRAINAGE PLANS PUBLIC PAVING AND SEWER PLANS PHASE II LOTS 81-104 & 107-127 SEWER NOTES

REVISION	DATE	DESCRIPTION	BY		ł				
Δ						75			
A				Marie Marie	4		ALL	.IANC	
<u>A</u>				TI SEE IT	# 3				_
A				1 10° 1	W St		ENGI	NEERING, P	C
A					一			ENGINEERING	
A				DIPPRES JUNE 30, 2019	1 4	ALCOHOL:	440 W CANYON S	SHADOWS IN ORO VALLEY	AZ
A]	_		PH: (520)	975~7952 www.allengus.c	com
Æ							Ī	SHEET 4 0	_
A				AS BUILT BY: APEX D	RWN BY: DHR	CHK BY DHR	PR□.: 15-107	SHEET 4 0	Г





CONNECTION TO EXISTING

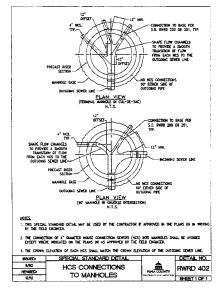
MANHOLE BASE

PREVIOED

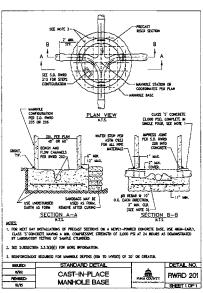
5/2

RWRD 301

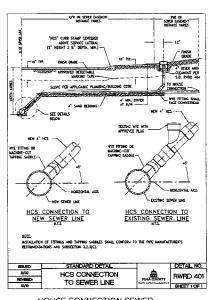
SHEET 10F1



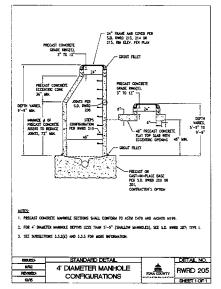
H.C.S. TO TERMINUS MANHOLE



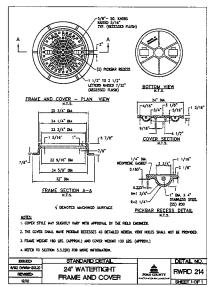
MANHOLE BASE DETAIL N.T.



HOUSE CONNECTION SEWER DETAIL N.T.S.



4' DIA. MANHOLE DETAIL N.T.S



WATER TIGHT MANHOLE DETAIL N.T.S.

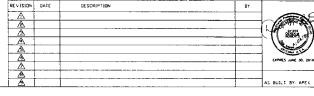


G 2018-028 P18SC00015

SONORAN RANCH ESTATES II LOTS 1-572 COMMON AREA "A" AND COMMON AREA "B" BOOK 60 PAGE 47 M&P

A PORTION OF SECTION 8 TISS RIZE GILA & SALT RIVER MERIDIAN PIMA COUNTY, ARIZONA

PRIVATE GRADING AND DRAINAGE PLANS PUBLIC PAVING AND SEWER PLANS PHASE II LOTS 81-104 & 107-127 SEWER DETAILS





ALLIANCE ENGINEERING, PC CIVIL ENGINEERING

440 W CANYON SHADOWS LN ORO VALLEY AZ 85737 PH: (\$20) 975-7992 www.mtengus.com

SHEET 5 OF 12

PAVING & GRADING NOTES

- BASIS OF BEARNOS. THE WEST SECTION LINE OF SECTION 8, TOWNSHIP 15 SOUTH RANGE 12 EAST CASRM, PIMA COUNTY ARIZONA AS SHORN ON FINAL PLAT OF SONGRAN RANCH ESTATES II SUBDIVISION, AS PECORDED IN BOOK 60 PAGE 47 MAPS AND PLATS, PIMA COUNTY RECORDERS OFFICE, SAID BEARNO BEING N 00703/38, W.
- BASIS OF ELEVATIONS: OPUS CONTROL POINT, PIMA COUNTY
 DESIGNATION MBP 86 A 2" BOSM STAMPED: (12/77,13/18 PCHD) IN
 VALENCIA ROAD, SAID ELEVATION BEING 2355.00, NAVD 88 DATUM...

 5 DIMENSIONS SHALL NOT BE SCALED FROM DRAWINGS.
- ALL CONSTRUCTION AND TEST METHODS SHALL BE IN CONFORMANCE WITH 2015 PAG STANDARDS
- AND SPECIFICATIONS.
 5. AGOREGATE BASE COURSE SHALL CONFORM TO PAG SECTION 303.
- ASPHALTIC CONCRETE SHALL CONFORM TO PAG SECTION 406.
 MIX NO 2 (SUBDIVISION MIX 4.0% VOIDS)
 MIX NO. 2 (ARTERIAL MIX 5.5% VOIDS)
- ALL CONCRETE SHALL COMPLY WITH PAG SECTION 1006, CASS S 3,000-PSI COMPRESSIVE STRENGTH AT 28 DAYS, UNLESS OTHERWISE SPECIFIED.
- ALL WORK SHALL CONFORM TO THE PIMA COUNTY GRADING ORDINANCE, CHAPTER 18.81 OF PIMA COUNTY ZORING CODE
- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION RECULATIONS, IN PARTICULAR, SHORING OF TRENCHES AND EXCAVATIONS.
- CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED BY COVERNMENTAL AGENCIES IF THEY HAVE NOT BEEN PROVIDED AT START OF CONSTRUCTION.
- ALL REVISIONS TO THESE PLANS MUST BE APPROVED BY PIMA COUNTY DEVELOPMENT SERVICES PRIOR TO CONSTRUCTION AND FINAL AS-BUILT CERTIFICATION.
- A COPY OF APPROVED PLANS SHALL BE KEPT IN AN EASILY ACCESSIBLE LUCATION UNSITE AT ALL TIMES DURING CONSTRUCTION
- 15. II JUANILIDIATE CONDITIONS ARE ENCOUNTERED DURING THE COURSE OF CONSTRUCTION AND ARE BEYOND THE SCOPE OF THE DESIGN. THE MONER SHALL SUBMIT THE NECESSARY REVISED OR SUPPLEMENTAL IMPROVEMENT PLANS FOR REVIEW AND APPROVAL BY PHAN COUNTY DEVELOPMENT SERVICES.
- 14. UPON COMMENCEMENT OF WORK, TRAFFIC CONTROL DEVICES SHALL BE POSTED AND MARIJANED BY THE CONTRACTOR UNITL SUCH THE AS THE WORK IS COMPLETED. ALL WARNING SIGNS, SAPRICADES, ETC. SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNITGOM TRAFFIC CONTROL DEVICES ADOPTED BY THE STATE OF ARIZONA PERSUANT TO AR S. 28—850.
- 15. A REOSTERD ENGINEER MUST CERTEF THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL CONSCINANCE WITH THE APPROVED PLANS PRIOR TO A REQUEST FOR FINAL INSPECTION/CERTIFICATION OF OCCUPANCY, RELEASE OF ASSURANCES OR MODULAY.
- 16. NATIVE PLANTS MUST BE FLAGGED AND PROTECTIVE FENCING MUST BE INSTALLED AS REQUIRED BY THE NATIVE PLANT PRESERVATION PLAN PRIOR TO ANY GRADING ACTIVITY
- 17. A RIGHT-OF-WAY USE PERMIT IS REQUIRED FOR CONSTRUCTION IN PUBLIC RIGHT-OF-WAY AND
- 18. ALL STREET SIGNING SHALL BE DESIGNED AND INSTALLED TO CURRENT PIMA COUNTY STANDARDS. THE MANUAL ON LIBERORM THAFFIC COMIROL DEVICES (MUTCD) AND THE PODDT, COT DOT SIGNING MANUAL ARE TO BE THE REFERENCES FOR SIGNING DESIGN AND INSTALLABOR.
- 19. WHEN REMOVED, EDGE LINE STRIPING (WS6) AT THE ENTRANCES OF THE DEVELOPMENT AND WHEREVER APPLICABLE, SHALL BE REINSTALLED TO CURRENT PC DOT/COT DOT STANDARDS BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- 20. ALL STREET STRIPING AND SIGNING WORK SHALL BE COORDINATED WITH THE PIMA COUNTY TRAFFIC ENGINEERING DIVISION (520-740-2601) PRIOR TO INSTALLATION AND BEFORE OPENING STREETS TO THE PUBLIC ALL INSTALLATIONS THAT DO NOT MEET PIMA COUNTY STANDAPDS SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S FLORING.
- 21. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS, IN PARTICULAR, SHORING OF TRENCHES AND EXCAVATIONS.
- 22 CONTRACTOR SMALL ADJUST ALL WATER METERS, VALVE BOXES, STORM DRAIN MARHOLES, AND SEWER MANHOLES AND CLEAN OUTS TO FINISH ORADE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE OTHER TEMS OF WORK, EXCEPT WHEN THE BIDDING SCHEDULE CONTAINS SPECIFIC ITEMS ON A UNIT BASIS.
- 23. SOILS INFORMATION WILL BE MADE AVAILABLE TO PROSPECTIVE BIDDERS. CUENT ACCEPTS NO RESPONSIBILITY FOR ANY CONDITIONS ENCOUNTERED WHICH VARY FROM THE INFORMATION PROVIDED.

- 24. THE DESIGN VEHICLE IS WB-40.
- ALL CUT AND FILL SLOPES SHALL BE 3:1 OR FLATTER AND NO HIGHER THAN 5 FEET, UNLESS SPECIFIED BY DETAIL WITHIN THESE APPROVED PLANS.
- 25. FUNKEEP HEREBY CERTIFIES THAT ALL FINISTIED GRADED AND PAMED AREAS CONTAINED WITH THIS DEVELOPMENT ARE DISCOME WITH SLOPES OF A LEAST O.S.K. ENGINEER FURTHER CERTIFIES THAT THE PROPOSED DESIGN PROVIDES POSITIVE DRAINAGE THROUGHOUT THE DEVELOPMENT EXCEPT WITHIN DETENTION/RETENTION AREAS OR WATER HARVESTING AREAS SPECIFIED WITHIN THE APPROVED DRAINAGE REPORT FOR THIS PROJECT.
- 27 THE PAVEMENT STRUCTURAL SECTIONS ARE FROM THE PAVEMENT DESIGN SUMMARY REPORT DATED (CHECK THIS)
- 28. EXISTING CONDITIONS SHOWN ON PLAN SHEETS REFLECT CONDITIONS AS OF JULY, 2015.
- 29 IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH, HALL, 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 SEVER CONSTRUCTION FRICE.
- 30. 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 REPRIK REPLACEMENT, OR CLEANUP SHALL BE DONE OF THE SATISFACTION OF THE OWNER. THERE IS AN EXISTING IRRICATION SYSTEM THAT WILL BE IMPACTED. A SITE VISIT IS RECOMMENDED PRIOR TO BIODING.
- 31. 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.
- 32. ANY EXCESS EXCAVATED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE REMOVED FROM PROJECT SITE BY THE CONTRACTOR.
- 33 ALL SURVEY MONUMENTS SHALL BE ESTABLISHED BY A LAND SURVEYOR REGISTERED IN THE STATE OF ARIZONA, AND A RECORD OF SURVEY WILL BE PROVIDED.
- 33 ALL SURVEY MONUMENTS SHALL BE ESTABLISHED BY A LAND SURVEYOR REGISTERED IN THE STATE OF ARIZONA, AND A RECORD OF SURVEY WILL BE PROVIDED.

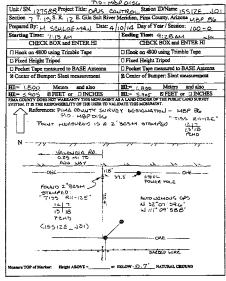
EARTHWORK QUANTITIES

CUT: 3,282 CY FILL: 2,135 CY FXPORT: 1,147 CY

NO EXPANSION OR CONTRACTION FACTOR HAS BEEN APPLIED TO THESE NUMBERS

PAVING & GRADING NOTES

Pima County Department of Transportation Server Seems - 130 5. Minuse 84 - Proces, Advisor 8713 - 620 140-1520 GPS Occupation Sheet 7710 - MGP 01316



G 2018-028 P18SC00015

SONORAN RANCH ESTATES II LOTS 1-572 COMMON AREA "A" AND COMMON AREA "B" BOOK 60 PAGE 47 M&P

A PORTION OF SECTION 8 TISS RISE GLA & SALT RIVER MERIDIAN PIMA COUNTY, ARIZONA

PRIVATE GRADING AND DRAINAGE PLANS PUBLIC PAVING AND SEWER PLANS PHASE II LOTS 81-104 & 107-127 PAVING AND GRADING NOTES







ALLIANCE ENGINEERING, PC

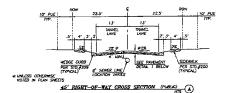
CIVIL ENGINEERING

1440 W CANYON SHADOWS IN ORD VALLEY AZ 85737
PH: (520) 975-7992 www.allengus.com

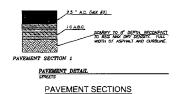
BUILT BY APEX DRIVE BY DAR CHK BY DAR PROJ. 15-107 SHEET 6 OF 12

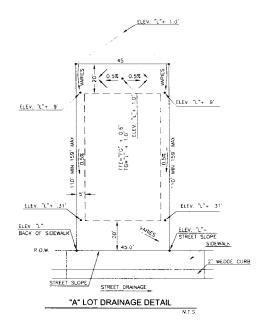


P185000015



STREET SECTIONS





OPTION 1 OPTION 2 OPTION 3 SIDE LOT GRADING N.T.S.

NOTE:
THE BEVELOPER VILL EMPLOY
ONE OF THESE THREE OPTIONS
ON A CASE BY CASE BASIS AS
HOUSES ARE CONSTRUCTED. THE
OPTION VILL BE SHOWN ON THE
HOUSE SITE PLAN

G 2018-028 P18SC00015

SONORAN RANCH ESTATES II LOTS 1-572
COMMON AREA "A" AND COMMON AREA "B"
BOOK 60 PAGE 47 M&P

A PORTION OF SECTION 8 TISS RISE GILA & SALT RIVER MERIDIAN PIMA COUNTY, ARIZONA

PRIVATE GRADING AND DRAINAGE PLANS **PUBLIC PAVING AND SEWER PLANS** PHASE II LOTS 81-104 & 107-127 GRADING DETAILS

	i			
	BY	DESCRIPTION	BATE	ND121V39
				Δ
()				A
7				A
1				A
				A
D				A
				A
				Æ
AS BU				A.

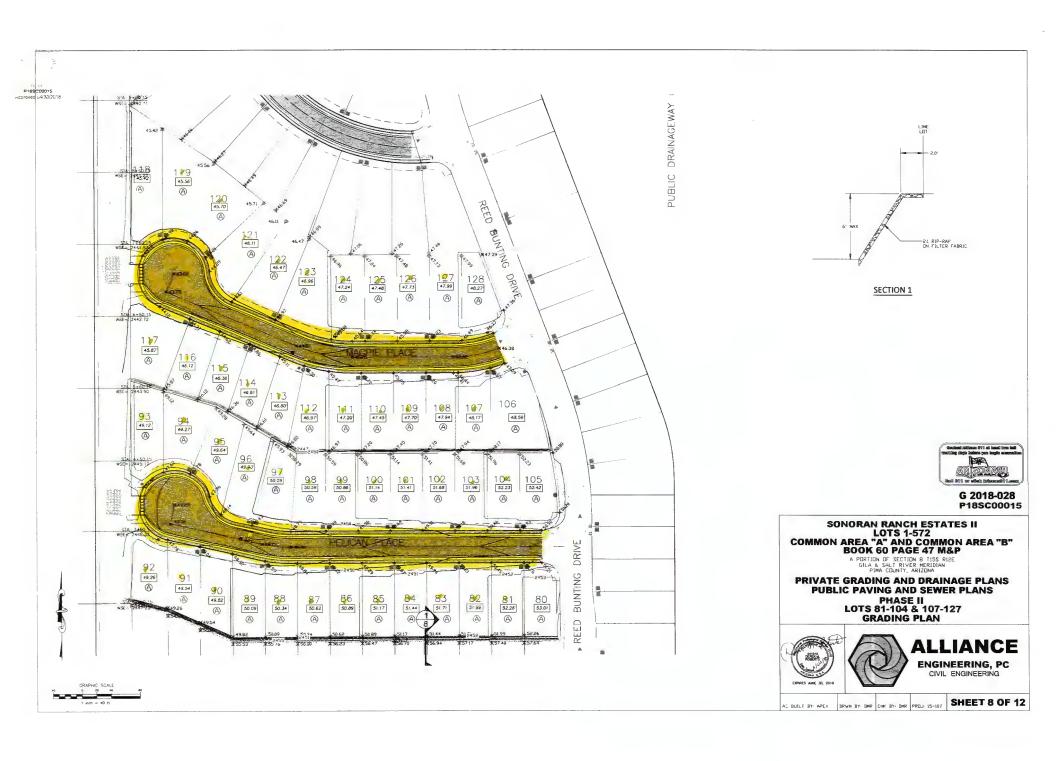


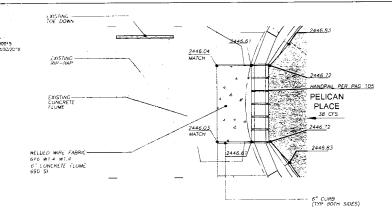


ENGINEERING, PC CIVIL ENGINEERING

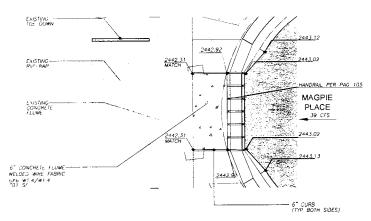
SHEET 7 OF 12 IUILT BY- APEX DRWN BY: UMR CHK BY: DMR PROJ: 15-107

Oundard Arbanes 011 of local feet half Switching days haloes you height announcement

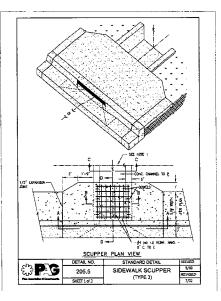


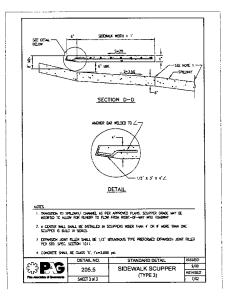


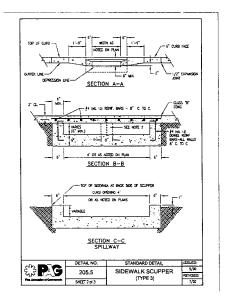
SCUPPER 1



SCUPPER 2









G 2018-028 P18SC00015

SONORAN RANCH ESTATES II LOTS 1-572 COMMON AREA "A" AND COMMON AREA "B" BOOK 60 PAGE 47 M&P

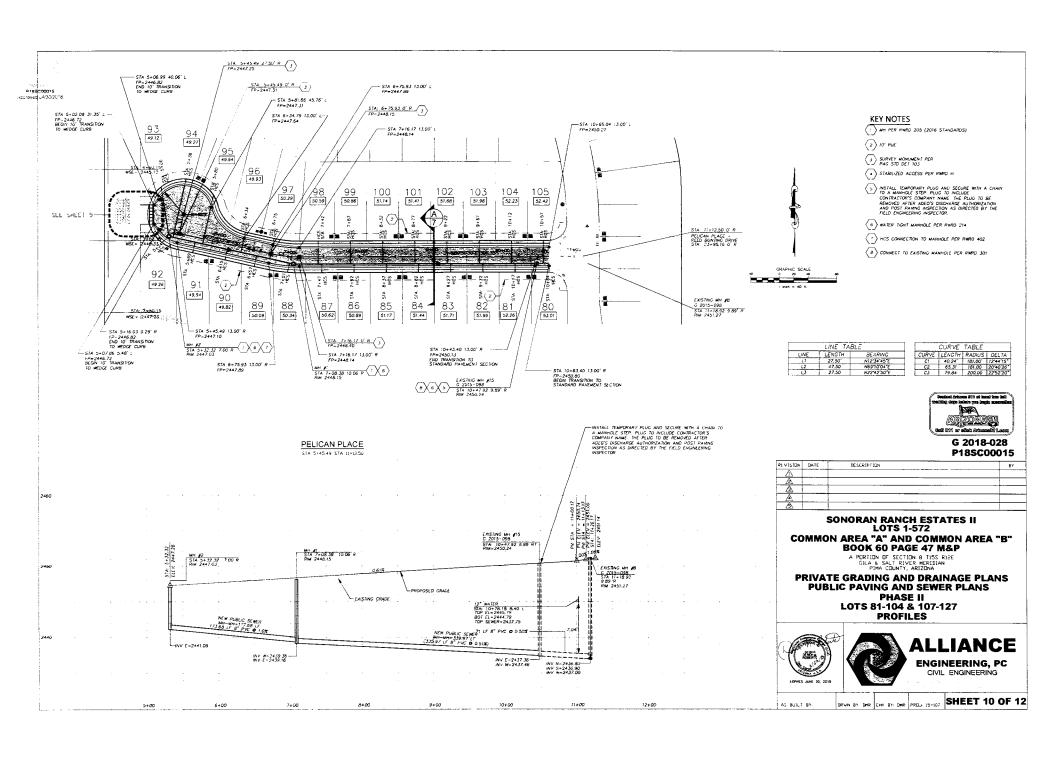
A PORTION OF SECTION 8 1155 RIZE GLA & SALT RIVER MERIDIAN PIMA COUNTY, ARIZONA

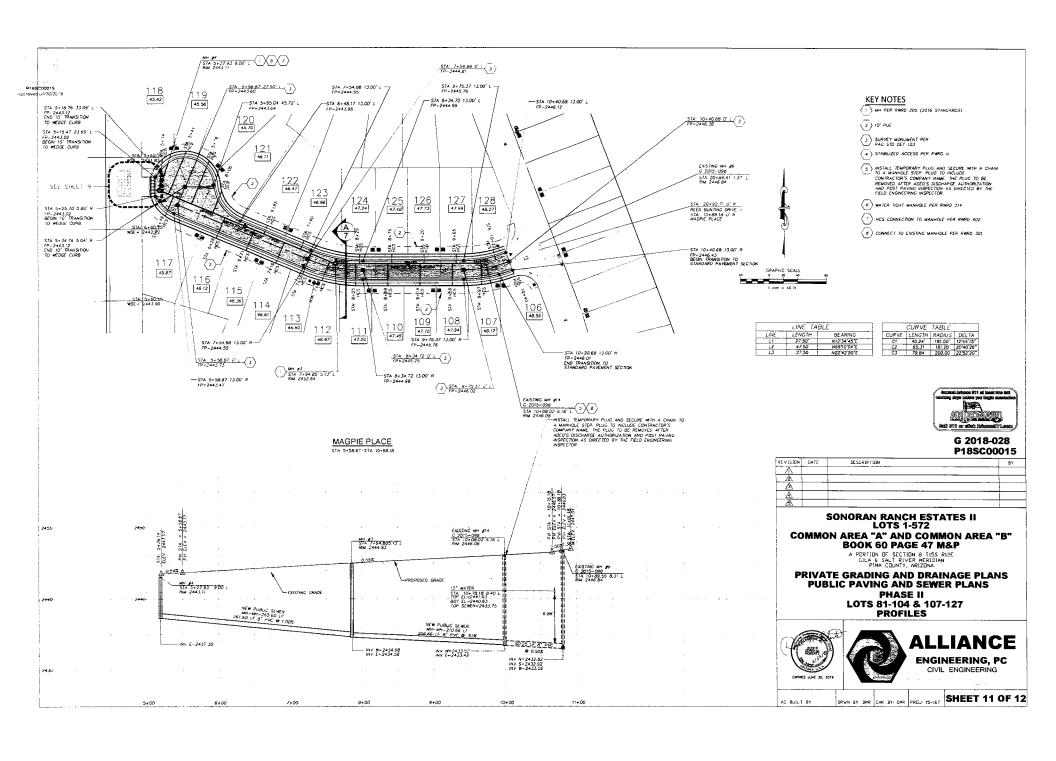
PRIVATE GRADING AND DRAINAGE PLANS
PUBLIC PAVING AND SEWER PLANS
PHASE II
LOTS 81-104 & 107-127
GRADING DETAILS

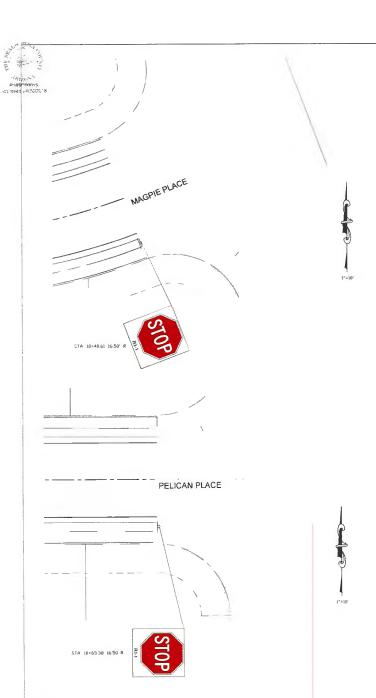




AS BUILT BY APEA DRWN BY DAR CAN BY DAR PAGE IS-107







SIGNAGE NOTES

- 1. ALL EQUIPMENT, MATERIALS AND CONSTRUCTION SHALL MEET OR EXCEED THE REQUIREMENTS CONTAINED IN 2015 PAG STANDARDS AND SPECIFICATIONS.
- 2, ALL SIGNS SHALL BE IN COMPLIANCE WITH SECTION 608 OF 2015 PAG STANDARDS AND SPECIFICATIONS.
- SIGNS MAY BE MODIFIED AND LOCATIONS ADJUSTED TO FIT CONDITIONS AT THE DISCRETION OF THE TRAFFIC ENGINEER.
- 4. THE DESIGN SPEED FOR THE ROAD IS 25 MPH OFFSITE AND 25 MPH ONSITE. THE POSTED SPEED LIMIT IS 25 ON ORACLE JAYNES ROAD, SIGN PLACEMENT SHALL BE BASED ON THE POSTED SPEED LIMIT.
- SIGN SUPPORTS SHALL MEET SECTION 607 OF THE 2015 PAG STANDARDS AND SPECIFICATIONS.
- 5. ALL SIGN STATION LOCATIONS ARE APPROXIMATE THE CONTRACTOR SHALL VERIFY ACTUAL SIGN LOCATIONS WITH THE TRAFFIC ENGINEER PRIOR TO THE INSTALLATION OF ALL SIGNS.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK WITH BLUE STAME, FOR MISTALLING ALL TRAFFIC SKONS IN THE FEEL DAM FOR MAINTANNIC ALL STORM UNTER PROJECT IS APPROVED FOR "CONSTRUCTION ACCEPTANCE" "BY PIMA COUNTY (FULLY OPEN TO TRAFFIC, ALL PUNCH LIST TIEMS ARE COMPLETED, AND ONE "YEAR WARRANTIES BEGINS."
- 7. ALL OVERHEAD MOUNTED SIGNS SHALL BE DAMOND GRADE SHEETING, TYPE XI. ALL SCHOOL SIGNS SHALL BE FLUORESCENT YELLOW/GREEN, DIAMOND GRADE SHEETING, TYPE XI. ALL OTHER SIGNS SHALL BE HIGH INTENSITY PRISMATIC SHEETING, TYPE W. ALL GROUND MOUNTED SIGNS SHALL HAVE AN ANTI DAWFITI CONTING APPLIED TO SIGN FACE, XM #1160 FILM OR EQUIVALENT.
- 8. ALL NEW SIGNS SHALL HAVE 0.080 GAUGE, RADUIS CORNER, ALUMINUM BACKING UNLESS OTHERWISE NOTED.
- 9. PRIOR TO DISTURBING ANY TRAFFIC SCASS, A SION CONDITION INVENTIGATE OF ALL EXISTING SIGNING SHALL BE CONDUCTED BY THE CONTRACTION AND PROVIDED TO THE SION SHOP SUPERMOSE (220—724—2811) INVENTIORY SHALL INDICATE CURRENT SIGN LOCATION AND COMMITTION, INCLUDING ANY EXISTING DAMAGE OR DEFICIENCIES
- 10. ANY SIGNS AND POSTS BEING RE-USED ON THIS PROJECT SHALL BE STOCKPILED IN A MANNER TO AVOID DAMAGE AND MAINTAIN THE INTEGRITY OF THE STORS. SAFE STORAGE OF STOCKPILE AND PATRICK! FOR DAMAGE OF STOCKPILE SHALL BE THE RESPONSIBILITY OF THE CONTROLOR.
- IT. ALL SIGNS AND POSTS NOT BEING RE-USED ON THE PROJECT SHALL BE DISMANTLED, STACKED AND DELIVERED TO THE OWNER (CITY OF COUNTY) BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR THE SAFE STORAGE AT THE CONSTRUCTION SITE UNIT. DELIVERY, AND THE SAFE UNILADING OF THE SAFE WILL BE WELL BE USED. THE SAFE WILL BE WILL BE SAFE WILL BE WELL BE USED. THE SAFE WILL BE WILL BE WILL BE SAFE WILL BE W
- 12. STREET NAME SIGN SYMBOLS SWALL INCLUDE FULL SIGN LEGENDS WITH APPROPRIATE STREET TYPE ABBREVIATIONS, BLOCK NUMBERS, AND CARDINAL DIRECTIONS.
- 13 MAXIMUM STREET SIGN WIDTH IS 42" FOR 9" SIGNS.
- 14. MINIMUM STREET SIGN WIDTH IS 30" FOR 9" SIGNS.



G 2018-028 P18SC00015

MILS I V 3	DATE	DESCRIPTION	BY
Λ			
A			
A			
A			
A			

SONORAN RANCH ESTATES II LOTS 1-572 COMMON AREA "A" AND COMMON AREA "B" BOOK 60 PAGE 47 M&P

A PORTION OF SECTION 8 T15S R12E GILA & SALT RIVER MERIDIAN PIMA COUNTY, ARIZONA

PRIVATE GRADING AND DRAINAGE PLANS **PUBLIC PAVING AND SEWER PLANS** PHASE II LOTS 81-104 & 107-127 SIGNAGE PLAN





ALLIANCE

ENGINEERING, PC CIVIL ENGINEERING

DRWN BY. DHR CHK BY. DHR PRELE 15-107 SHEET 12 OF 12