



## BOARD OF SUPERVISORS AGENDA ITEM REPORT

Requested Board Meeting Date: 10/06/2020

**Title:** Project Name: Saguaro Station Lots: 1-28 Plan #: P18SC00061/P18SC00065  
Owner/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:

#### If Approved:

Public improvements completed adjacent to these Subdivision Lots and/or Roadway will be maintained by the Pima County Department of Transportation.

#### If Denied:

Recently completed improvements to the above referenced Project/Roadway will not be maintained by the Pima County Department of Transportation.

### 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:

☒ 1      ☐ 2      ☐ 3      ☐ 4      ☐ 5      ☐ All

Department: Transportation Telephone: 520-724-6410

Contact: Brian Crowninshield Telephone: 520-724-2323

Department Director Signature/Date: Quam. Alvar 8/28/2020

Deputy County Administrator Signature/Date: [Signature] 9/1/2020

County Administrator Signature/Date: C. R. [Signature] 9/1/2020

Date: August 25, 2020

To: Ana M. Olivares, P.E.  
Director

From: Brian Crowninshield, Manager  
ROW Management *BL*

Robert D. Johnson *RJ*  
Division Manager  
Department of Transportation

**Subject:**      **Project/Roadway:**    Saguaro Station  
                 **Lots:**                        1-28  
                 **Plan Number:**            P18SC00061, P18SC00065  
                 **Developer/Owner:**      KB Home

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We have performed a Final Inspection and found the improvements to be satisfactory and in general conformance to the plans and specifications. These roadways should be submitted to the Board of Supervisors for acceptance into the County Maintenance System.

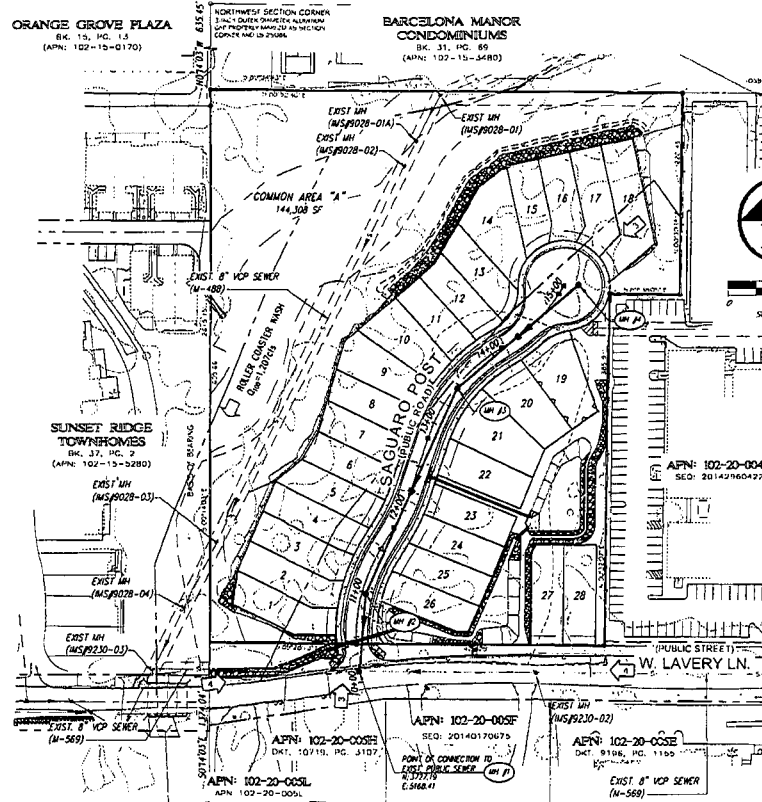


## GENERAL NOTES

1. THE DESIGN SPEED IS 25 M.P.H. FOR ALL STREETS. THE DESIGN VEHICLE IS WB-40.
2. ALL CONSTRUCTION ACTIVITY AND TEST METHODS SHALL BE IN CONFORMANCE WITH PMA ASSOCIATION OF GOVERNMENTS STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS (P.A.G. SSP) 2011 EDITION OR CURRENT EDITION.
3. AGGREGATE BASE COURSE SHALL CONFORM TO P.A.G. SSP SECTION 203.
4. ASPHALTIC CONCRETE SHALL CONFORM TO P.A.G. SSP SECTION 406 (SUBDIVISION MIN 4.0% Voids) MIX F2 SPECIFICATIONS. NO "RAP" SHALL BE USED.
5. ALL CONCRETE SHALL COMPLY WITH P.A.G. SSP SECTION 1006, CLASS "3", 3,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS, UNLESS OTHERWISE SPECIFIED.
6. SUBBASE MATERIAL SHALL CONFORM TO P.A.G. SSP, SECTION 203.
7. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS.
8. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED BY GOVERNMENTAL AGENCIES PRIOR TO CONSTRUCTION.
9. A COPY OF THE ACCEPTED PLANS SHALL BE KEPT IN AN EASILY ACCESSIBLE LOCATION ON THE SITE AT ALL TIMES DURING CONSTRUCTION.
10. IF UNANTICIPATED CONDITIONS ARE ENCOUNTERED DURING THE COURSE OF CONSTRUCTION AND ARE BEYOND THE SCOPE OF THE DESIGN, THE ENGINEER SHALL SUBMIT THE NECESSARY REVISED OR SUPPLEMENTAL IMPROVEMENT PLANS FOR REVIEW AND APPROVAL BY DEVELOPMENT SERVICES.
11. 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.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CARE AND MAINTENANCE OF EXISTING IMPROVEMENTS AND VEGETATION IN THE AREA. IF ANY OTHER OBSTRUCTIONS DAMAGED DURING CONSTRUCTION ARE TO BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER, ANY UNDERGROUND PIPES, IRRIGATION LINES, IRRIGATION CONTROLS, DRAINS, STRUCTURES, OR OBSTRUCTIONS NOT SHOWN ON THESE PLANS SHALL BE MOVED, ALTERED, OR REPAIRED BY THE CONTRACTOR WHEN ENCOUNTERED, TO THE SATISFACTION OF THE OWNER, AS DIRECTED BY THE ENGINEER, AND IS A DEFINITE PART OF THIS PROJECT.
13. THE CONTRACTOR SHALL GIVE FORTY-EIGHT (48) HOURS NOTICE WHEN HE/SHE 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/SHE SHALL ALSO DO ALL STAKE HOLDS NECESSARY TO GIVE LINE AND LEVELS AND SHALL PROVIDE ASSISTANCE CALLED FOR BY THE ENGINEER OR THEIR ASSIGNEES UPON ANY PART OF THE WORK. WHENEVER SO REQUESTED, AND SHALL PRESERVE ALL STAKES SET FOR THE LINES, LEVELS 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.
14. A REPORT OF SOILS INVESTIGATIONS, INCLUDING RECOMMENDATIONS FOR GRADING PROCEDURES HAS BEEN PREPARED BY WRIGHT ENGINEERS' GEOTECHNICAL ENGINEERING REPORT ENTITLED CASAS ADORAS IN LAVERA LN AND IN ORACLE RD TUCSON, ARIZONA UNIT 10, 2017 PROJECT NO. 170354-001. EARTHWORK SHALL CONFORM TO THE RECOMMENDATIONS CONTAINED IN SAID REPORT AND ADDENDUMS THERE TO.
15. THE SOILS ENGINEER SHALL OBSERVE, RESPECT AND TEST ALL CONSTRUCTION OPERATIONS, INCLUDING BUT NOT LIMITED TO, CLEARING, GRUBBING, SUBGRADE PREPARATION, STRUCTURAL, TRENCH EXCAVATION AND BACK FILL, MATERIAL TESTING, TOGETHER WITH PLACEMENT OF FILL. SAID ENGINEER SHALL CERTIFY IN WRITING, THAT ALL SOILS OPERATIONS AND MATERIALS USED FOR THIS DEVELOPMENT WERE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS AS SET FORTH IN THE GEOTECHNICAL AND SOILS REPORT OF RECORD AND ARE IN CONFORMANCE WITH THE ACCEPTED PLANS AND SPECIFICATIONS.
16. IT SHALL BE THE SOLE RESPONSIBILITY OF THE OWNER(S), THEIR SUCCESSORS OR ASSIGNS, (AND/OR THEIR CONTRACTOR, THEIR SUCCESSORS OR ASSIGNS AS APPLICABLE) TO PURSUE ANY NEGOTIATIONS, OBTAIN ANY AGREEMENTS AND/OR PERMITS, ETC. FROM ALL NECESSARY OWNERS, PRIVATE AND/OR GOVERNMENTAL AGENCIES IN CHARGE OF PROPERTIES AND/OR RIGHTS-OF-WAY ADJACENT TO (OR NEIGHBORING) THIS PROJECT, THAT MAY BE REQUIRED TO DO ANY WORK (CONSTRUCTION, ACCESS, MODIFICATIONS, GRADING, DRAINAGE, STRUCTURES, ROADS, ETC.) ENCOMPASSING OR AFFECTING - DIRECTLY OR INDIRECTLY - ON THESE ADJACENT PROPERTIES AND RIGHTS-OF-WAY IN ANY CONCEIVABLE MANNER, REGARDLESS OF WHETHER OR NOT THIS WORK IS SHOWN OR DESCRIBED ON THESE PLANS.
17. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH MAUL AND SUPPLY 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 ELEVATIONS SHOWN ON THIS PLAN ARE ELEVATIONS OF FINAL, FINISHED IMPROVEMENTS.
18. ANY UNDERGROUND PIPES, DRAINS, STRUCTURES, OR OBSTRUCTIONS NOT SHOWN ON THESE PLANS SHALL BE MOVED, ALTERED, OR REPAIRED BY THE CONTRACTOR WHEN ENCOUNTERED, AS DIRECTED BY THE ENGINEER, AND IS A DEFINITE PART OF THIS PROJECT.
19. ALL WORK SHALL CONFORM TO GRADING STANDARDS, CHAPTER 18.01 OF THE PIMA COUNTY ZONING CODE.
20. A QUALIFIED REGISTERED ENGINEER MUST CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS PRIOR TO REQUEST OF FINAL INSPECTION/CERTIFICATION OF OCCUPANCY OR RELEASE OF ASSURANCES, OR MODULAR PERMITS.
21. ALL REVISIONS TO THESE PLANS MUST BE APPROVED BY DEVELOPMENT SERVICES PRIOR TO CONSTRUCTION.
22. NATIVE PLANTS MUST BE PLACED AND PROTECTIVE FENCING MUST BE INSTALLED AS REQUIRED BY THE NATIVE PLANT PRESERVATION PLAN PRIOR TO ANY GRADING ACTIVITY.
23. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A "DECLINED" SET OF IMPROVEMENT PLANS INDICATING ANY REVISIONS TO THE ACCEPTED PLANS AND SPECIFICATIONS AND/OR ANY FIELD DESIGN REVISIONS, IN ACCORDANCE WITH P.C./C.D. SPECIFICATION SECTION 101-25.
24. THE CONTRACTOR SHALL ADHERE TO THE CONDITIONS OF THE STATE ANTIQUITIES ACT AND NOTIFY THE ARIZONA STATE MUSEUM AND THE PIMA COUNTY ARCHEOLOGIST IN THE EVENT HUMAN REMAINS OR FUNERARY OBJECTS ARE ENCOUNTERED.
25. CONTRACTOR SHALL CALL BLUE STAKE (1-800-783-5348) TO VERIFY LOCATION OF ALL UTILITIES A MINIMUM OF FORTY-EIGHT (48) HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
26. PAVEMENT, CURBS, AND ANY OTHER OBSTRUCTIONS WITHIN THE PATH OF CONSTRUCTION ARE TO BE REMOVED BY THE CONTRACTOR.
27. ALL ROCK RIPRAP TO BE INSTALLED FOR THIS PROJECT SHALL BE CORONADO BROWN AND/OR APPROVED EQUAL.
28. A PNEUMATIC ROLLER SHALL BE INCLUDED IN THE ASPHALT ROLLING PATTERN.
29. THE BASIS OF ELEVATION IS: PIMA ASSOCIATION OF GOVERNMENTS (PAG) GEODETIC CONTROL POINT (A21) WHICH IS A RAILROAD SPIKE IN ORANGE GROVE ROAD APPROXIMATELY 1,000 FEET WEST OF ORACLE ROAD. SAID ELEVATION BEING: 2464.49 (NAVD 83).
30. THE BASIS OF BEARINGS IS 0014.03°E UPON THE WEST LINE OF THE NORTHWEST ONE-QUARTER OF SECTION 12, T-12-S, R-13-E.

## PUBLIC ROADWAY AND SEWER IMPROVEMENT PLAN FOR SAGUARO STATION

LOTS 1-28 & COMMON AREA "A" (LANDSCAPE, DETENTION & NATURAL OPEN SPACE)  
APN: 102-20-004F, TUCSON, ARIZONA



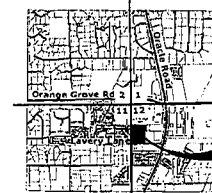
### AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THE AS-BUILT DIMENSIONS PROVIDED ON THIS DRAWING WERE BASED ON AN AS-BUILT SURVEY CONDUCTED UNDER MY SUPERVISION AND ACCURATELY DEPICTS EXISTING FIELD CONDITIONS TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ARIZONA REGISTERED LAND SURVEYOR  
OR ARIZONA REGISTERED P.E. (CIVIL)

REGISTRANT NUMBER

EXPIRES



LOCATION MAP  
SCALE 3"=1 MILE  
A PORTION OF SECTION 12, T-12-S, R-13-E  
OF THE G&SRM,  
PIMA COUNTY, ARIZONA

- ### SHEET INDEX
- 1 COVER SHEET
  - 2 SEWER & ENGINEERS NOTES
  - 3 STREET & SEWER PLAN & PROFILE
  - 4 STREET & SEWER PLAN & PROFILE

### LEGEND

- EXISTING SEWER MAINLINE
- NEW SEWER LINE, MAINLINE & FLOW ARROW
- NEW SEWER HCS
- BACKFLOW VALVE REQUIRED
- EXISTING WATERLINE, METER VALVE & FIVE HYDRANT
- FINISHED PAD GRADE
- SURVEY MONUMENT
- ROAD CENTERLINE
- NEW RIGHT OF WAY LINE
- EXISTING PROJECT BOUNDARY
- EXISTING PUBLIC UTILITY EASEMENT
- NEW PUBLIC UTILITY EASEMENT
- NEW VERTICAL CURB & SIDEWALK
- NEW PAVEMENT
- SHEET INDEX INDICATOR
- NEW STORM DRAIN & MAINLINE
- FLOOD LIMIT
- RIPARIAN HABITAT LIMITS

### OWNER

RE FESTA LAVERA LLC, AN ARIZONA LIMITED LIABILITY COMPANY AS TO AN UNDIVIDED SIXTY PERCENT (60%) INTEREST; AND HMC FESTA LAVERA LLC, AN ARIZONA LIMITED LIABILITY COMPANY AS TO AN UNDIVIDED FORTY PERCENT (40%) INTEREST

### DEVELOPER

C/O REMEDI TUCSON  
ANDREW CASPARI  
200 NORTH BONITA AVENUE, #105  
TUCSON, ARIZONA 85745  
(520) 796-9889

### LANDSCAPE ARCHITECT

HOWARD ENVIRONMENTAL, INC.  
ATTN: KAREN M. CASAR, PLA  
4234 NORTH FIRST AVENUE, #100  
TUCSON, ARIZONA 85718  
(520) 204-0581  
KARENM@HOWARDENVIRONMENTAL.COM

### CIVIL ENGINEER

MARUM & ASSOCIATES ENGINEERING, LLC  
ATTN: PATRICK MARUM, P.E.  
2730 E. BROADWAY BLVD, SUITE 250  
TUCSON, ARIZONA 85716  
(520) 448-4440  
patrick@marumeng.com

### SURVEYOR

TUCSON SURVEYING & MAPPING, LLC  
ATTN: STEPHEN W. MCLAM, P.L.S.  
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(520) 882-3332  
REGISTRATION NO. 29681  
S.MCLAM@TUCSONSURVEYING.COM

## SAGUARO STATION LOTS 1-28 AND COMMON AREA "A" PUBLIC ROADWAY AND SEWER IMPROVEMENT PLAN

DATE: JULY 2018  
SCALE: AS SHOWN  
SHEET NO: 1 OF 4  
G-2018-078  
P18SC00065

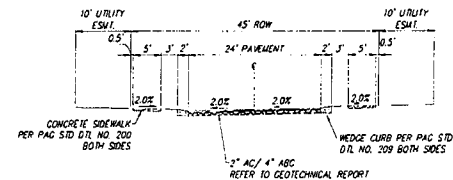




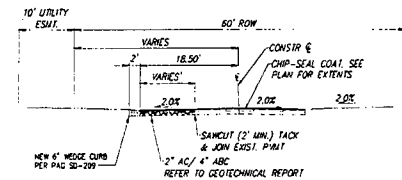
STANDARD GENERAL NOTES FOR PUBLIC SEWER CONSTRUCTION

1. ALL DESIGN STANDARDS, MATERIALS AND WORKMANSHIP FOR PUBLIC SANITARY SEWERS SHALL BE IN ACCORDANCE WITH THE PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT (PCWRD) ENGINEERING DESIGN STANDARDS 2016 (EDS 2016) AND THE STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION 2016 (SSC 2016). S&D DOCUMENTS ARE AVAILABLE THROUGH THE PCWRD WEBSITE ([www.pima.gov/wastewaterreclamation](http://www.pima.gov/wastewaterreclamation)).
2. ONLY APPROVED PLANS SHALL BE USED FOR THE CONSTRUCTION OF PUBLIC SANITARY SEWER FACILITIES. APPROVED PLANS INCLUDING DESIGN REVISIONS SHALL BE RESUBMITTED TO PIMA COUNTY FOR REVIEW AND RE-APPROVAL PRIOR TO START OF THE REVISED SEWER WORK.
3. SEWER CONSTRUCTION SHALL NOT COMMENCE UNTIL: (A) THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ) OR ITS DELEGATED AUTHORITY (DOE) HAS ISSUED A CONSTRUCTION AUTHORIZATION FOR THIS PROJECT; (B) THE CONTRACTOR HAS OBTAINED A PCWRD PUBLIC SEWER CONSTRUCTION PERMIT (CONTACT THE PCWRD PERMITS SECTION AT (520) 724-6849 FOR PERMIT APPLICATION REQUIREMENTS); (C) THE CONTRACTOR'S FLOW MANAGEMENT PLAN HAS BEEN SUBMITTED THIRTY (30) CALENDAR DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING AND APPROVED BY PCWRD FIELD ENGINEERING; AND (D) A PRE-CONSTRUCTION MEETING WITH THE ASSIGNED PIMA COUNTY PROJECT FIELD INSPECTOR OR SCHEDULED AT LEAST THREE (3) FULL BUSINESS DAYS PRIOR TO COMMENCING WITH SEWER CONSTRUCTION.
4. IMMEDIATELY REPORT ANY OF THE FOLLOWING TO THE PCWRD OPERATIONS CONTROL CENTER (OCC) AT (520) 724-6800: ANY RELEASE OF SEWAGE, ANY DAMAGE TO THE PUBLIC SANITARY SEWER SYSTEM, OR THE DROPPING OF DEBRIS INTO A PUBLIC SANITARY SEWER MANHOLE. A PCWRD REPRESENTATIVE WILL BE DISPATCHED TO THE SITE. THE CONTRACTOR SHALL TAKE IMMEDIATE ACTION TO CONTAIN A SANITARY SEWAGE OVERFLOW (SSO). THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS TO REPAIR THE SYSTEM, MITIGATE THE RELEASE OF SEWAGE, DISINFECT THE RELEASE AREAS, AND ANY REGULATORY PENALTIES LEVIED ON PCWRD FOR SEWAGE ENTERING A NATURAL DRAINAGE WAY OR STORM WATER DRAINAGE SYSTEM. THE CONTRACTOR SHALL REPAIR ALL DAMAGE AS DIRECTED AND APPROVED BY THE PCWRD FIELD REPRESENTATIVE.
5. STORM WATER AND SEDIMENT CONTROL MEASURES SHALL BE PROPERLY INSTALLED TO PROTECT PCWRD MANHOLES AT THE BEGINNING OF CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONSTANTLY MAINTAIN STORM WATER AND SEDIMENT CONTROL MEASURES THAT PROTECT PCWRD FACILITIES UNDER ALL CONDITIONS FOR THE DURATION OF THE PROJECT. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR ALLOW STORM WATER, SEDIMENT, OR POTENTIAL POLLUTANTS FROM A CONSTRUCTION SITE TO ENTER A PCWRD MANHOLE. THE CONTRACTOR SHALL ENSURE THAT THEIR FLOW MANAGEMENT OPERATIONS INCLUDE CONTROLS TO PREVENT ANY INTRODUCTION OF STORM WATER, SEDIMENT, OR POLLUTANTS INTO THE PUBLIC SANITARY SEWER SYSTEM. FAILURE TO CONFORM TO THESE REQUIREMENTS SHALL RESULT IN CANCELLATION OF THE SEWER CONSTRUCTION PERMIT.
6. SPECIAL CARE SHALL BE TAKEN TO ENSURE DESIGN SLOPES ARE MAINTAINED. SEWERS CONSTRUCTED AT INSUFFICIENT SLOPES WILL NOT BE ACCEPTED BY PCWRD FIELD ENGINEERING AND/OR ADEQ. CORRECTIVE ACTION, INCLUDING RE-CONSTRUCTION OF THE SEWER(S), WILL BE AT THE SOLE EXPENSE OF THE PROJECT OWNER/CONTRACTOR.
7. THE CONTRACTOR SHALL ADJUST OR RECONSTRUCT ALL SANITARY SEWER MANHOLES TO FINISHED GRADE. ALL FRAMES AND COVER ADJUSTMENTS SHALL BE IN ACCORDANCE WITH PCWRD SSC 2016, DETAILS NOS. RWMD 211, 212, JOH OR JOG (AS APPLICABLE). THE CONTRACTOR SHALL PROTECT THE BENCH AND FLOW CHANNELS WITH A COVER PER PCWRD SSC 2016, DETAIL NOS. RWMD JOH PRIOR TO COMMENCING ANY WORK TO THE MANHOLE AND REMOVE THE COVER AFTER ALL WORK IS COMPLETED. THE CONTRACTOR SHALL ENSURE THAT FRAMES AND COVERS ARE CLEAN AND FREE FROM ANY AND ALL ATTACHED MATERIALS (ASPHALT, CONCRETE, ETC.) AND THAT ALL VENT HOLES ARE OPEN AND CLEAR OF OBSTRUCTIONS, AS APPROVED BY THE PCWRD 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 PCWRD SSC 2016, DETAIL NOS. RWMD 211-212. COSTS ASSOCIATED WITH EXISTING FRAMES AND COVERS THAT ARE LOST OR DAMAGED DUE TO THE CONTRACTOR'S SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. ANY CONSTRUCTION ACTIVITY HAVING THE POTENTIAL TO DAMAGE EXISTING PUBLIC SANITARY SEWERS OR ANY ACTIVITY THAT REQUIRES MATERIALS OR EQUIPMENT TO ENTER EXISTING PUBLIC SANITARY SEWERS SHALL REQUIRE A PIMA COUNTY RWMD SEWER CONSTRUCTION PERMIT PRIOR TO COMMENCING THAT ACTIVITY.
9. THE CONTRACTOR SHALL SUBMIT A FLOW MANAGEMENT PLAN (FMP) TO PCWRD FIELD ENGINEERING FOR APPROVAL BEFORE PROCEEDING WITH ANY WORK THAT MAY AFFECT LIVE SEWERS. THE FMP SHALL IDENTIFY AND INCLUDE ALL FLOW MANAGEMENT COSTS IN THE CONSTRUCTION BID. THE FMP SHALL BE SUBMITTED THIRTY (30) CALENDAR DAYS PRIOR TO THE SEWER PRE-CONSTRUCTION MEETING. FIELD ENGINEERING WILL REVIEW THE FMP WITHIN TEN (10) BUSINESS DAYS TO ACCOMMODATE REVIEW AND REVISION CYCLES. REFER TO PCWRD SSC 2016, SECTION 2 FOR FMP REQUIREMENTS. PLEASE CONTACT PCWRD FIELD ENGINEERING AT (520) 724-2651 FOR ANY QUESTIONS REGARDING FLOW MANAGEMENT.
10. THE CONTRACTOR SHALL FURNISH, OPERATE AND MAINTAIN ALL EQUIPMENT AND LABOR NECESSARY TO PROVIDE CONTINUOUS 24 HOURS PER DAY SANITARY SEWER SERVICE TO ALL PARTIES TRIBUTARY TO A LIVE SEWER TO WHICH A CONNECTION IS TO BE MADE.
11. THE INSPECTION OF THE CONTRACTOR'S WORK BY AN AGENCY AND/OR PCWRD STAFF SHALL IN NO WAY RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR COMPLIANCE WITH THE REQUIREMENTS OF THE APPROVED CONTRACT DOCUMENTS. IF THE DESIGN ENGINEER OR PCWRD STAFF FAIL TO POINT OUT A DEFECT, DEFICIENCY OR ERROR IN THE WORK FROM LACK OF DISCOVERY OR ANY OTHER REASON, IT SHALL NOT PREVENT LATER REJECTION OR RELIEVE THE CONTRACTOR OF PERFORMING CORRECTIONS TO THE UNSATISFACTORY WORK WHEN DISCOVERED. THE CONTRACTOR SHALL NOT FILE A CLAIM FOR LOSSES SUFFERED DUE TO ANY NECESSARY REMEDIALS OR REPAIRS RESULTING FROM THE UNSATISFACTORY WORK.
12. ANY SEWER CONSTRUCTION WORK THAT IS NOT INCLUDED IN THE APPROVED SEWER PLANS WILL NOT BE ACCEPTED BY PCWRD. SEE PCWRD SSC 2016, SECTION 1.4.5 REGARDING THE APPROVAL OF FIELD CHANGES.
13. CONCERNS REGARDING THE ACCURACY BETWEEN THE UNDERGROUND FACILITY MARKINGS AND THE PROJECT PLANS SHALL BE IMMEDIATELY REPORTED TO THE DESIGN ENGINEER.
14. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL AFFECTED SANITARY SEWER MANHOLES AT ALL TIMES.
15. THE CONTRACTOR SHALL FIELD VERIFY EXISTING SEWER LINE ELEVATIONS AND ALIGNMENTS PRIOR TO CONSTRUCTION. VERIFICATION MAY REQUIRE POT-HOLING.
16. ANY HOUSE CONNECTION SEWER (HCS) OR BUSINESS CONNECTION SEWER (BCS) LINES ENCOUNTERED DURING CONSTRUCTION SHALL BE REPAIRED, OR REMOVED, AS THE SITUATION DICTATES. PER PCWRD SSC 2016 DETAIL NOS. RWMD 400 AND 410. NO EXPENSE TO THE PROPERTY OWNER OR PCWRD. PRIVATE CONNECTION SEWERS CONSTRUCTED PRIOR TO JANUARY 2006 ARE NOT REQUIRED TO BE LOCATED AND MARKED.
17. SURVEY LAYOUT AND SURVEY CONTROL SHALL BE PERFORMED BY, OR UNDER THE DIRECT SUPERVISION OF, AN ARIZONA RLS.
18. SURVEY CUT SHEETS SHALL BE PREPARED IN ACCORDANCE WITH PCWRD SSC 2016, SECTION 1.2.3(A)(1). CERTIFIED CUT SHEETS SHALL BE SUBMITTED TO THE PCWRD FIELD ENGINEER PRIOR TO COMMENCEMENT OF SEWER CONSTRUCTION. CUT SHEETS ARE FOR PCWRD REFERENCE ONLY AND SHALL NOT DELAY SEWER CONSTRUCTION DUE TO REVIEW OF THE DELIVERABLES. ANY QUESTIONS OR DISCREPANCIES REGARDING SEWER CONSTRUCTION SHALL BE THE RESPONSIBILITY OF PCWRD. REFER TO PCWRD SSC 2016, SECTION 1.2.3(A)(1) FOR CONSTRUCTION SURVEY STAKING REQUIREMENTS.

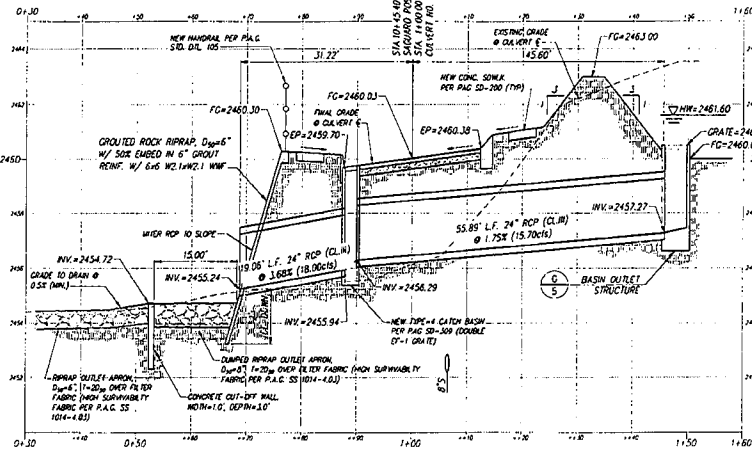
19. AS-BUILT PLANS SHALL CONFORM TO SSC 2016, SECTION 1.4.7 AND ARE REQUIRED FOR FINAL ACCEPTANCE OF SEWER CONSTRUCTION BY PCWRD.
20. NEW PUBLIC SANITARY SEWER FACILITIES MUST BE TESTED, INSPECTED AND AUTHORIZED FOR DISCHARGE BY PCWRD AND ADEQ, OR ITS DELEGATE (DOE), PRIOR TO DISCHARGING INTO THE EXISTING PUBLIC SANITARY SEWER.
21. PRIOR TO THE INSTALLATION OF SANITARY SEWERS, ALL ROUGH GRADING, INCLUDING FILL, SHALL BE COMPLETED TO A MINIMUM OF 4 FEET OVER THE TOP OF THE SEWER PIPE. BEDDING, SHADING, AND TRENCH BACKFILL COMPACTION SHALL BE PERFORMED IN ACCORDANCE WITH PCWRD SSC 2016, DETAIL NOS. RWMD 104, OR AS SHOWN ON THE PLANS. SHOULD GROUND WATER OR UNANTICIPATED SOIL CONDITIONS BE ENCOUNTERED, THE BEDDING SHALL BE MODIFIED BY THE DESIGN ENGINEER AND APPROVED BY THE PCWRD FIELD ENGINEER. WHEN THE NEW SEWER IS LOCATED WITHIN A PUBLIC SEWER EASEMENT, COMPACTION OF BACKFILL SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS OR AS OTHERWISE DIRECTED BY PCWRD.
22. SANITARY SEWER CONSTRUCTION SHALL START AT THE LOWEST DOWNSTREAM POINT AND PROCEED UPSTREAM, REGARDLESS OF THE STATIONING SHOWN ON THE PLANS. IF CONSTRUCTION CANNOT BE PERFORMED IN THIS MANNER, THE CONTRACTOR SHALL PROVIDE AN OUT-OF-SEQUENCE LETTER FOR APPROVAL BY THE PCWRD FIELD ENGINEER PRIOR TO THE START OF SEWER CONSTRUCTION.
23. THE HORIZONTAL AND VERTICAL SEPARATION BETWEEN PUBLIC WATER MAINS AND PUBLIC SEWER LINES SHALL COMPLY WITH ARIZONA ADMINISTRATIVE CODE (A.A.C.) R10-5-502 AND PCWRD SSC 2016, DETAIL NOS. RWMD 108.
24. PLANTING WITHIN PUBLIC SEWER EASEMENTS SHALL ONLY BE ALLOWED WITH SPECIAL APPROVAL. TREES WITH BRANCHES OR ROOTS HAVING THE POTENTIAL TO EXTEND INTO PUBLIC SEWER EASEMENTS SHALL BE AVOIDED. IN SPECIAL CASES, WHERE THE PUBLIC SEWERS MUST BE LOCATED OUTSIDE PAVED OR STABILIZED AREAS, LANDSCAPING AND PLANTING SHALL ADHERE TO GUIDELINES IN PCWRD EDS 2016, SECTION 7.7 AND PCWRD SSC 2016, DETAIL NOS. RWMD 111.
25. ALL PROJECT ACTIVITIES MUST BE KEPT WITHIN THE PROJECT AREA, CONCERNING HUMAN BURIAL REMAINS. ARCHEOLOGICAL CLEARANCE RECOMMENDATIONS DO NOT EXEMPT THE DEVELOPMENT FROM COMPLYING WITH STATE BURIAL PROTECTION LAWS. IN THE EVENT THAT HUMAN REMAINS, INCLUDING HUMAN SKELETAL REMAINS, CREMATIONS, CEREMONIAL OBJECTS OR FUNERARY OBJECTS ARE FOUND DURING EXCAVATION OR CONSTRUCTION, GROUND DISTURBING ACTIVITIES MUST CEASE IN THE IMMEDIATE VICINITY OF THE DISCOVERY. ARIZONA STATE LAWS AND 41-644 AND 41-885 REQUIRE THAT THE ARIZONA STATE MUSEUM BE NOTIFIED OF THE DISCOVERY AT (520) 621-4795 SO THAT CULTURAL GROUPS WHO CLAIM CULTURAL OR RELIGIOUS AFFINITY TO THE REMAINS CAN MAKE APPROPRIATE ARRANGEMENTS FOR THE REPAIRATION AND REBURIAL OF THE REMAINS. THE HUMAN REMAINS WILL BE REMOVED FROM THE SITE BY A PROFESSIONAL ARCHEOLOGIST PENDING CONSULTATION AND REVIEW BY THE ARIZONA STATE MUSEUM AND THE CONCERNED CULTURAL GROUPS.



WARP SECTION

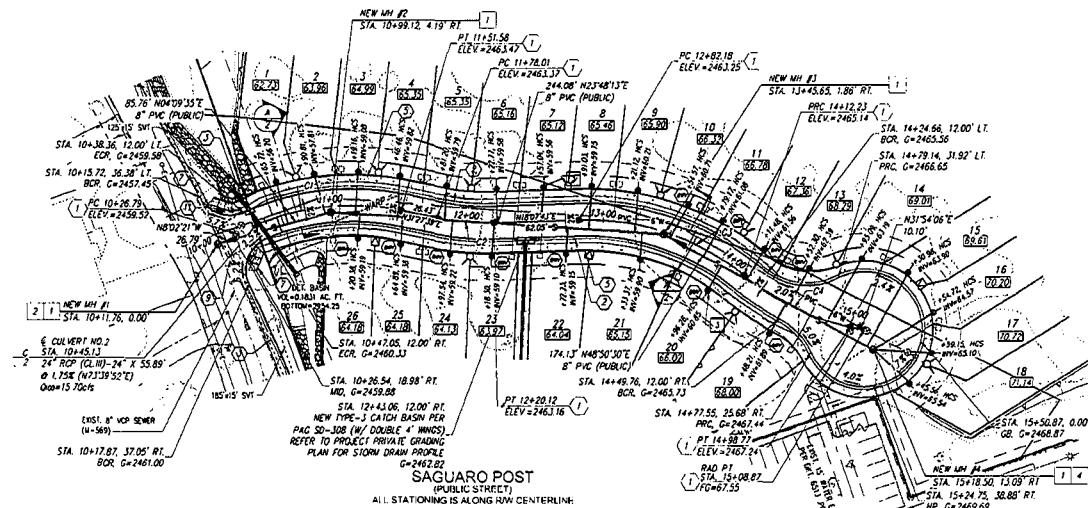


LAVERY LANE



CULVERT PROFILE

DATE: 07-11-2018  
BY: JH-HH  
REVISIONS:  
1. 07-11-2018  
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MANHOLE AS-BUILT INFO		
STATE PLANE COORDINATES (AZ CENTRAL) NAD 83 (INTERNATIONAL FEET)		
MAN #	NORTHING	EASTING
1		
2		
3		
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HCS AS-BUILT INFO		
STATE PLANE COORDINATES (AZ CENTRAL) NAD 83 (INTERNATIONAL FEET)		
LOT #	NORTHING	EASTING
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CURVE TABLE			
CURVE #	RADIUS	LENGTH	CHORD DIRECTION
C1	181.00'	124.78'	N11° 42' 39"E
C2	181.00'	42.12'	N24° 47' 41"E
C3	181.00'	130.05'	N38° 42' 44"E
C4	181.00'	86.54'	N45° 35' 58"E

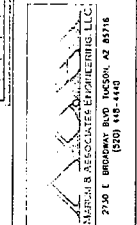
#### PAVING KEYNOTES

1. NEW SURVEY MONUMENT PER P.A.G. STD. DTL. NO. 101
2. NEW 6" CONC. WEDGE CURB PER P.A.G. STD. DTL. NO. 209
3. NEW CONC. VERTICAL CURB-TYPE 2 PER P.A.G. STD. DTL. NO. 209
4. NEW CONC. VERTICAL CURB-TYPE 1 PER P.A.G. STD. DTL. NO. 212
5. NEW 5' CONC. SIDEWALK PER P.A.G. STD. DTL. NO. 200
6. CONNECT NEW CONC. CURB TO EXIST. PER P.A.G. STD. DTL. NO. 211
7. PROPOSED CURB ACCESS RAMP PER P.A.G. STD. DTL. NO. 211 WITH DETECTABLE WARNING STRIP PER AND STD. A117.1-2003, SEC. 406.1.1
8. 4" CURB OPENING AND RAMP APPROX. 24" x 12" OVER FILTER FABRIC
9. SAWCUT MINIMUM 2" EXISTING PAVEMENT, TACK AND JOIN TO EXISTING PAVEMENT
10. TRANSITION FROM VERTICAL TO WEDGE CURB PER P.A.G. STD. DTL. NO. 210
11. NEW STOP SIGN (R1-1 W/ D3) PER PCDOT STD. S-11

#### SEWER KEYNOTES

1. NEW 4" MANHOLE PER PCDOT STD. DTL. 205 W/ CO. COLLAR FOR PAVED AREAS PER PCDOT STD. DTL. 211
2. CONSTRUCT NEW MAX. OVER EXIST. SEWER PER PCDOT STD. DTL. 301
3. TYPICAL 4" SANITARY SEWER HCS PER PCDOT STD. DTL. 401
4. TYPICAL 4" SANITARY SEWER HCS CONNECTION TO W.M. PER PCDOT STD. DTL. 402

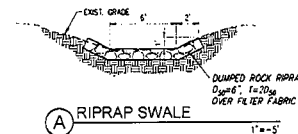
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SHEET NO: 3 OF 4



### SAGURO STATION LOTS 1-28 AND COMMON AREA "A" PUBLIC ROADWAY AND SEWER IMPROVEMENT PLAN



HCS AS-BUILT INFO				
STATE PLANE COORDINATES (AZ CENTRAL) NAD 83 (INTERNATIONAL FEET)			DISTANCE FROM TAP TO DOWNS TREAM MANHOLE	SEWER LR STATIONING AT HCS/BY CONNECTION
LOT #	NORTHING	EASTING		
27				
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- (1) NEW SURVEY MONITORING PER P.A.C. STD. DTL NO. 103
- (2) NEW 6" CONC. MEDGE CURB PER P.A.C. STD. DTL NO. 209
- (3) NEW CONC. VERTICAL CURB-TYPE 2 PER P.A.C. STD. DTL NO. 209
- (4) NEW CONC. VERTICAL CURB TERMINAL PER P.A.C. STD. DTL NO. 212
- (5) NEW 5' CONC. SIDEWALK PER P.A.C. STD. DTL NO. 200
- (6) CONNECT NEW CONC. CURB TO EXIST. CONC. CURB DTL NO. 111
- (7) PROPOSED CURB ACCESS RAMP PER P.A.C. STD. DTL 207 WITH DETECTABLE WARNING STRIP ANIS STD. A1172-2001 SEC. 406.13
- (8) CURBS OPENING AND REPAIR  
AS NOTED BY TRC #12 OVER  
FLOOR FABRIC.
- (9) SAWCUT MINIMUM 2' EXISTING PAVEMENT,  
TACK AND JOIN TO EXISTING PAVEMENT.  
TRANSITION FROM VERTICAL TO MEDGE  
CURB PER P.A.C. STD. DTL NO. 210
- (10) NEW STOP SIGN (R1-1 w/ Ø3)

- 1 NEW 4" MANHOLE PER PCRWAD STD. DTL. 205 W/ CONCRETE COLLAR FOR PAVED AREAS PER PCRWAD STD. DTL. 211.
- 2 CONSTRUCT NEW M.M. OVER EXIST. SEWER PER PCRWAD STD. DTL. 303
- 3 TYPICAL 4" SANITARY SEWER MCS PER RWAD STD. DTL. 401
- 4 TYPICAL 4" SANITARY SEWER MCS CONNECTION TO M.M. PER RWAD STD. DTL. 402



**SAGUARO STATION**  
**LOTS 1-28 AND COMMON AREA "A"**  
**PUBLIC ROADWAY AND SEWER**  
**IMPROVEMENT PLAN**

DATE JULY 2018  
SCALE AS SHOWN  
SHEET NO. **4 OF 4**  
**G-2018-078**  
**P18SC00065**