



BOARD OF SUPERVISORS AGENDA ITEM REPORT

Requested Board Meeting Date: 10/06/2020

Project Name: Magee 17 Lots: 1-35

Title: Plan #:P17SC00001

Owner/Developer: Richmond American Homes

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. Alvarez 8/28/2020

Deputy County Administrator Signature/Date: [Signature] 7/1/2020

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

Date: August 25, 2020

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

From: Brian Crowninshield, Manager
ROW Management *BC*

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

Subject: Project/Roadway: Magee 17
Lots: 1-35
Plan Number: P17SC00001
Developer/Owner: Richmond American Homes

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.



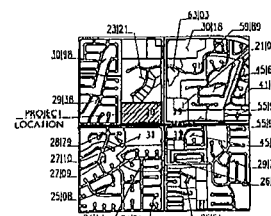
Approved 05/24/2019

Site Construction Plan for Magee 17

Lots 1 - 35,

Common Area "A" (Functional Open Space, Riparian Mitigation, Drainage, Public Utilities, Access & Maintenance) & Common Area "B" (Natural Open Space)

Being a portion of the Southeast 1/4 of the Southeast 1/4 of Section 30, T12S, R13E, G&SRM, Pima County, Arizona
P17SC00001; G-2017-003



LOCATION MAP
A PORTION OF THE SOUTHEAST 1/4 OF SECTION 30
TOWNSHIP 12 SOUTH, RANGE 13 EAST, G&SRM
PIMA COUNTY, ARIZONA

LEGEND

EXISTING	PROPOSED
PROJECT BOUNDARY	PROJECT BOUNDARY
RIGHT-OF-WAY CENTERLINE	RIGHT-OF-WAY CENTERLINE
RIGHT-OF-WAY	RIGHT-OF-WAY
PROPERTY EASEMENT	PROPERTY EASEMENT
NO ACCESS ESMIT	NO ACCESS ESMIT
100 YR FLOODPLAIN	100 YR FLOODPLAIN
EROSION HAZARD SETBACK	EROSION HAZARD SETBACK
PAVEMENT / CURB	PAVEMENT / CURB
WATER	WATER
SEWER	SEWER
ELECTRIC	ELECTRIC
SECURITY BARRIER	SECURITY BARRIER
HANDRAIL	HANDRAIL
SURVEY MONUMENT	SURVEY MONUMENT
MAJOR CONTOUR	MAJOR CONTOUR
MINOR CONTOUR	MINOR CONTOUR
100-YEAR STORM	100-YEAR STORM
PRELIMINARY JO	PRELIMINARY JO
XEROGRAPHIC C	XEROGRAPHIC C
RIPIARIAN MITIGATION AREA	RIPIARIAN MITIGATION AREA
HEC-RAS SECTIONS	HEC-RAS SECTIONS
ACCESS CONTROL POINT	ACCESS CONTROL POINT
SEWER BACKWATER VALVE REDUCED	SEWER BACKWATER VALVE REDUCED

ABBREVIATIONS

AC	ACRES	M&P	MAPS AND PLATS
APN	ASSESSOR PARCEL NUMBER	OHE	OVERHEAD ELECTRIC
BCSM	BRASS CAP SURVEY MONUMENT	PAD	FINISH PAD ELEVATION
CMPA	CORRUGATED METAL PIPE ARCH	PAG	PIMA ASSOCIATION OF GOVERNMENTS
CMP	CORRUGATED METAL PIPE	PG	PAGE
CA	COMMON AREA	PLU	PUBLIC UTILITY EASEMENT
D&T	DITCH	Q100	EXISTING 100-YEAR FLOW
ESMT	EASEMENT	RCBC	REINFORCED CONCRETE BOX CULVERT
FTE	FINISH FLOOR ELEVATION	ROW	RIGHT-OF-WAY
FYS	FRONT YARD SETBACK	RYS	REAR YARD SETBACK
GB	GRADE BREAK	SD	STANDARD DETAIL
HP	HIGH POINT	SF	SQUARE FEET
JD	JURISDICTIONAL DETERMINATION	S/W	SIDEWALK
LP	LOW POINT	SYS	SIDE YARD SETBACK
LS/RLS	REGISTERED LAND SURVEYOR	TEP	TUCSON ELECTRIC POWER
MH	MANHOLE		

OWNERS

MANDARIN ASSOCIATES
8710 N THORNDALE ROAD, STE 120
TUCSON, AZ 85742

DEVELOPER

RED POINT DEVELOPMENT
8710 N THORNDALE ROAD, STE 120
TUCSON, AZ 85742
ATTN: LARRY KREIS
(520) 408-2300

SHEET INDEX

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5 - 8	PS01-PS04	PAVING & SANITARY SEWER
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11-12	SN01-SN02	SIGNING & STIPING

AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THE AS-BUILT ANNOTATIONS PROVIDED ON THESE DRAWINGS 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.

REGISTERED LAND SURVEYOR OR CIVIL ENGINEER DATE

14-341.8

APR 23, 2019 2:45pm J:\Projects\17\14-341.8\17SC00001\Drawings\14-341.8.dwg P:\17SC00001\Drawings\14-341.8.dwg

4/25/2019

Site Construction Plan
Magee 17
Cover & Index

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CS01
Sheet No
1
of 12

P17SC00001

8710 N. Thornsdale Rd., Suite 120
Tucson, AZ 85742
Tel: 520-408-2300
www.redpointdev.com

EPS GROUP

Project: 14-341.8
Drawn by: BEZ
Checked by: BEZ
Date: 04/25/2019

14-341.8
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P17SC00001

GENERAL NOTES:

- THE FOLLOWING COMMENTS OF ASSESSOR'S PARCEL NUMBER 125-43-006A:
1. DEVELOPMENT IS 175.4 ACRES (764,710 SF).
2. SUBJECT TO RECORD OF SUPERVISORS REZONING CONDITIONS AS FOUND
3. SUBJECT AS APPROVED ON JANUARY 19, 2016.
4. REUSE PRESERVODUM, THE CONDITIONAL ZONING IS "CR-S" (MULTIPLE
5. USES).
6. THE CITY WILL SERVICE THIS SUBDIVISION IS METROPOLITAN WATER DISTRICT
7. ALL RESIDENTIAL STREETS AS 35 MPH. THE DESIGN VEHICLE WILL BE
8. PROVIDED TO ALL LOTS WITHIN THIS SUBDIVISION.
9. TRAVELING TRANGLES SHALL BE PLACED 50' AS NOT TO INTERFERE
10. WITH A VISIBILITY PLANS DESCRIBED BY TWO HORIZONTAL LINES LOCATED 10 INCHES AND 72
11. INCHES ABOVE FRESH GRADE OF THE ROADWAY SURFACE, AND SHALL CONFORM TO SECTION
12. 3.2 OF THE 2016 PUBLIC CROWD AND DEVELOPMENT STREET STANDARDS
13. THE CITY ENGINEER SHALL REVIEW THIS PLAN AND USE THE BEST INFORMATION AVAILABLE
14. AND ARE APPROPRIATE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES WITH
15. THE APPROPRIATE ORGANIZATIONS PRIOR TO THE START OF CONSTRUCTION.
16. ANY RELOCATION, MODIFICATION, ETC. OF EXISTING UTILITIES AND/OR PUBLIC
17. UTILITIES LOCATIONS SHOWN ON THIS PLAN ARE BASED ON THE BEST INFORMATION AVAILABLE
18. THE ENGINEER SHALL NOT BE RESPONSIBLE OR LIABLE FOR UNAUTHORIZED CHANGES OR USES
19. OF THIS PLAN. ALL REVISIONS TO THIS PLAN MUST BE APPROVED IN WRITING BY THE
20. ENGINEER.
21. A COPY OF THE SCALED, APPROVED PLANS AND ORADING PERMIT SHALL BE KEPT ON THE JOB
22. SITE AT ALL TIMES DURING CONSTRUCTION.
23. IF UNANTICIPATED CONDITIONS ARE ENCOUNTERED DURING THE COURSE OF CONSTRUCTION AND
24. ARE BEYOND THE SCOPE OF DESIGN, THE ENGINEER SHALL SUBMIT THE NECESSARY REVISION
25. OF SUPPLEMENTAL IMPROVEMENT PLANS FOR REVIEW AND APPROVAL BY DEVELOPMENT
26. SERVICES.
27. ALL REVISIONS TO THESE PLANS MUST BE APPROVED BY DEVELOPMENT SERVICES PRIOR TO
28. CONSTRUCTION.
29. THIS PLAN IS SUBJECT TO AN APPROVED RHIPARIAN HABITAT MITIGATION PLAN.
30. TOTAL AMOUNT OF REGULATED RHIPARIAN HABITAT DENSE: 3.16 ACRES.
31. AMOUNT OF REGULATED RHIPARIAN HABITAT OPEN: 0.00 ACRES BY THIS PROJECT (BY
32. VEGETATION, BUILDING PADS, SEPTIC, ETC.). 0.74 ACRES.
33. RHIPARIAN HABITAT TO BE PRESERVED SHALL BE FENCED FOR PROTECTION DURING
34. CONSTRUCTION USING A MINIMUM 4-FOOT HIGH DENSE WEEP BARRICADE FENCING.
35. PROTECTIVE FENCING SHALL REMAIN IN PLACE THROUGHOUT THE CONSTRUCTION AND
36. POST CONSTRUCTION PERIODS.

SURVEY NOTES:

1. TOPOGRAPHIC, BOUNDARY, EASEMENT AND EXISTING CONDITIONS INFORMATION SHOWN ON THIS TENTATIVE PLAN IS BASED ON A BOUNDARY SURVEY PREPARED BY AMERSON SURVEYING, INC., MARCH 1, 2016.
2. THE CENTERLINE OF THIS SUBDIVISION IS THE EAST LINE OF THE SOUTHEAST QUARTER OF SECTION 30, TOWNSHIP 12 SOUTH, RANGE 13 EAST, SALT RIVER MERIDIAN, PIMA COUNTY, ARIZONA, FROM THE SOUTHEAST CORNER OF SECTION 30, BEING A BEACH WITH NO FENCED, TO THE EAST QUARTER CORNER OF SECTION 30, BEING A BEACH WITH FENCE, BEING 100 FEET FROM THE CORNER OF SECTION 30, BEING A BEACH WITH FENCE.
3. BASIS OF ELEVATION IS A PIMA COUNTY SURVEY BEING "INDUSTRY B" (PDB 05 0005), A CHISELED "X" ON THE SOUTHEAST CORNER OF A CONCRETE HEADWALL ON THE NORTHEAST CORNER OF HYDROPADE AND OVERTON ROADS. ELEVATION BEING 2143.88 (NAVD83).
4. THE CONTRACTOR SHALL VERIFY THE KNOWN BENCH MARKS AND ELEVATIONS PROVIDED BY THE CONSTRUCTION LAYOUT. THE SURVEYOR SHALL VERIFY THE KNOWN BENCH MARKS AND COMPARE THE SITE CONDITIONS WITH THE PLANS AND SHALL NOTIFY THE OWNER OF ANY DISCREPANCIES OBSERVED SHOULD ANY KNOWN BENCH MARK, GRADE OR DESIGN INDICATED ON THE PLANS BE FOUND TO BE IN ERROR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR GRADE OR DESIGN PROVIDED AT LEAST TWENTY-FOUR (24) HOURS BEFORE CONSTRUCTION IS TO BEGIN IN THE AFFECTED AREA.
5. UPON COMPLETION OF THE WORK, THE CONTRACTOR AND HIS SURVEYOR SHALL CERTIFY IN WRITING TO THE OWNER THAT THE PROJECT WITH ENGINEERING IMPROVEMENTS, DRIVE, STAKE AND BUILT IN SUBSTANTIAL CONFORMANCE TO THE LINES AND GRADES SHOWN.

GEOTECHNICAL NOTES:

1. A GEOELECTRICAL ENGINEERING INVESTIGATION, INCLUDING RECOMMENDATIONS FOR PROTECTING PROCEDURES, HAS BEEN PREPARED BY GROUND SUPPORT ENGINEERING, LLC (GSE) FOR THE PROJECT DESCRIBED ABOVE. THE INVESTIGATION REPORT, DATED OCTOBER 31, 2016, IS ATTACHED AND IS INCORPORATED BY REFERENCE IN SAID REPORT, DATED JUNE 1, 2016 AND ADDENDUM 1, DATED OCTOBER 31, 2016.
2. THE CONTRACTOR SHALL RETAIN THE SERVICES OF, AND FACILITATE THE WORK OF, AN INDEPENDENT, QUALIFIED, AND LICENSED PROFESSIONAL ENGINEER (PE) IN THE FIELD OF CONSTRUCTION TESTING OF THE PROJECT (EARTHWORK, ASPHALT PAVEMENT AND CURE CONCRETE). THE GEOELECTRICAL ENGINEER SHALL VERIFY THAT INITIAL SITE CONDITIONS CONFORM WITH THE REQUIREMENTS OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY SOIL CONDITION ON THE SITE BE SUBJECT OF IDENTIFIICAL CHARACTERISTICS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND TESTING OF FOUR (4) HOURS BEFORE CONSTRUCTION IS SCHEDULED TO BEGIN ON THE AFFECTED AREA.
3. DURING THE COURSE OF CONSTRUCTION, TEST RESULTS SHALL BE SUBMITTED TO THE AGENCY WHICH INDICATE IF WORK IS BEING DONE IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS.

PAYING & GRADING NOTES:

1. ALL CONSTRUCTION AND TEST METHODS SHALL BE IN CONFORMANCE WITH PWA ASSOCIATION'S OF GOVERNMENTS (PAG) STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS (SSPI), 2015 EDITION.
2. AGGREGATE BASE COURSE SHALL CONFORM TO PAG SSPI SECTION 303.
3. ASPHALTIC CONCRET SHALL CONFORM TO PAG SSPI SECTION 403, MAX NO. 2
4. ALL CONCRETE SHALL CONFORM TO PAG SSPI SECTION 1006, CLASS 5.
5. THE CONTRACTOR AGREES THAT IT SHALL ASSUME, SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION FOR THIS PROJECT, INCLUDING BUT NOT LIMITED TO THE FACT THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND, THAT IT SHALL, DESIGN, IMPLEMENT AND HOLD HARMLESS THE OWNER AND THE ENGINEER FROM ANY LIABILITY, INCLUDING BUT NOT LIMITED TO THE PERMITTING PROCESS, FOR ANY INADEQUACIES, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
6. THE CONTRACTOR SHALL GIVE FOURTY-FOUR (48) HOURS NOTICE WHEN IT SHALL REQUEST THE SERVICES OF THE ENGINEER OR ANY OTHER PERSON PROPERLY AUTHORIZED FOR SUCH PURPOSES. THE ENGINEER'S NAME AND PHONE NUMBER SHALL BE ON FILE. IT SHALL ALSO GIVE A STATE HEALTH'S NECESSARY TO GIVE LINE AND LEVELS AND SHALL PROVIDE ASSISTANCE CALLED FOR BY THE ENGINEER UPON ANY PART OF THE WORK WHENEVER REQUESTED.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES.
8. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS.
9. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL VERIFY QUANTITIES AND BASE ITS BID SOLELY ON ITS OWN ESTIMATES.
10. UPON COMPLETION OF THE TRAFFIC CONTROL DEVICES SHALL BE POSIED AND MAINTAINED BY THE CONTRACTOR UNTIL SUCH TIME AS THE WORK IS COMPLETE. ALL WARNING SIGNS, BARRICADES, ETC. SHALL BE IN CONFORMANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), ADOPTED BY THE STATE OF ARIZONA PURSUANT TO A.R.S. 28-2901.
11. THE CONTRACTOR SHALL PROVIDE FOR DUST CONTROL, AT ALL TIMES DURING CONSTRUCTION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FURNISH, HAIL AND APPLY ALL WATER REQUIRED FOR COMPACTION AND FOR CONTROL OF DUST FROM CONSTRUCTION ACTIVITY. THE APPLICABLE REQUIREMENTS OF THE ORDER OF CONSTRUCTION SHALL BE FOLLOWED.
12. THE CONTRACTOR SHALL CONFORM TO GRADING STANDARDS, CHAPTER 1801 OF THE PWA COUNTY ZONING CODE.
13. THE PAVING CONTRACTOR SHALL ADJUST WATER VALUES, MANIPULATES & REPAIR OIL RINGS TO FURNISH A FINISHED SURFACE.
14. 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, THAT OCCURS AS A RESULT OF ITS, ANY AND ALL REPAIRS, REPAIRS, REPLACEMENT OR CLEANUP SHALL BE DONE TO THE SATISFACTION OF THE OWNER.
15. IF GRADING CONSTRUCTION IS EXPECTED TO LAST LONGER THAN THE EXPIRATION DATE OF THE GRADING PERMIT, CONTACT DUST TO BE RENEWED/EXTENDED THE GRADING PERMIT. IF FINAL GRADING HAS NOT BEEN COMPLETED BY THE EXPIRATION DATE OF THE GRADING PERMIT, THE PERMIT HAS NOT BEEN RENEWED, ADDITIONAL FEES AND REVIEWS MAY BE REQUIRED.
16. A PRE-CONSTRUCTION MEETING IS REQUIRED PRIOR TO THE BEGINNING OF GRADING. THE MEETING SHALL BE SCHEDULED WITHIN 14 DAYS OF THE PERMIT BEING ISSUED. THE FINAL INSPECTION TO BE SCHEDULED AFTER RECEIPT OF THE ENGINEER'S CERTIFICATION LETTER.
17. GRADING BOUNDARIES SHALL BE CLEARLY MARKED AND ALL WORK WILL BE CONFINED TO THE APPROVED PROJECT LIMITS.
18. THE CONTRACTOR SHALL PRESERVE ALL STAKES SET FOR LINES, LEVELS OR MEASUREMENTS OF ANY TYPE FROM THEIR PROPOSED PLACES UNTIL NECESSARY TO REMOVE THEM BY THE ENGINEER. ANY EXPENSE INCURRED IN REPLACING ANY STAKES WHICH THE CONTRACTOR OR ITS SUBORDINATES MAY HAVE FAILED TO PRESERVE, SHALL BE CHARGED TO THE CONTRACTOR.
19. ALL EXISTING GRADE SHALL BE MEASURED AND RECORDED BEFORE ANY GRADING. THE DEPTH OF SOFT (S) BONDING AND HAULED FROM THE SITE PRIOR TO GRADING.
20. REMOVAL OF ANY CATCH AND NERVE PLANTS SHALL BE IN ACCORDANCE WITH PROVISIONS OF ARIZONA NATIVE PLANT LAWS, ARIZONA CHAPTER 7.
21. AREAS TO BE REVEGETATED SHALL BE IN ACCORDANCE WITH THE GRADING MANUAL AND THE PRELIMINARY PLAN FOR THIS PROJECT.
22. THE SOILS ENGINEER SHALL OBSERVE, INSPECT AND TEST ALL EARTHWORK OPERATIONS INCLUDING, BUT NOT LIMITED TO: CLEARING, CRUSHING, SUBGRADE PREPARATIONS, STRUCTURAL AND TRENCH EXCAVATION AND BACKFILL, TOGETHER WITH THE PLACEMENT AND COMPACTION OF

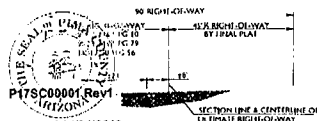
24. BUILDING SITES SHALL BE CONSTRUCTED TO WITHIN 0.10 FEET OF FINISH BUILDING PAD ELEVATIONS. AS STAKED, STREETS AND PARKING AREAS SHALL BE CONSTRUCTED TO WITHIN 0.10 FEET OF FINISH GRADE ELEVATIONS. IF THE FINISH GRADE ELEVATION IS MORE THAN 0.10 FEET OUT OF LEVEL, AFTER GRADING AND ACCEPTANCE OF GRADING, THE CONTRACTOR SHALL RETURN AND CORRECT THE CONSTRUCTION AT NO COST TO THE OWNER.
25. ALL STAKE SIGHTING AND SIGHTING WORK SHALL BE CONDUCTED WITHIN FINANCIAL DISTRICTS AND NEIGHBORHOODS. BEFORE OPENING STREETS TO THE PUBLIC, ALL INSTALLATIONS THAT DO NOT MEET COUNTY STANDARDS SHALL BE REPLACED BY THE CONTRACTOR AND AT THE CONTRACTORS EXPENSE.
26. THE CONTRACTOR SHALL REVEGETATE ALL DISTURBED SLOPES WITH HYDROSEED, UNLESS OTHERWISE NOTED.
27. A REGISTERED ENGINEER MUST CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN ACCORDANCE WITH THE CONSTRUCTION STANDARDS. THE ENGINEER MUST REQUEST A FINAL INSPECTION/CERTIFICATION OF COMPLETION, RELEASE OF ASSURANCES OR MODULAR PERMITS

SEWER NOTES:

- ALL DESIGN STANDARDS, MATERIALS AND WORKMANSHIP FOR PUBLIC SANITARY SEWERS SHALL BE IN ACCORDANCE WITH THE PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DISTRICT'S STANDARD SPECIFICATIONS FOR CONSTRUCTION OF SANITARY SEWERS. THE STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION PWA (SSC) 2016, 2020 DOCUMENTS ARE AVAILABLE THROUGH THE PORTMID WEBSITE (WWW.PMA.CO.WA/STATEWATERRECLAMATION).
- ANY CONSTRUCTION ACTIVITY HAVING THE POTENTIAL TO DAMAGE EXISTING PUBLIC SANITARY SEWER FACILITIES OR OTHER EXISTING UTILITY FACILITIES MUST BE APPROVED BY THE PUBLIC SANITARY SEWERS STAFF BEFORE ANY CONSTRUCTION. A PWA COUNTY RWMD SENIOR CONSTRUCTION PERMIT PRIOR TO COMMENCING THAT ACTIVITY.
- THE SENEER CONSTRUCTION SHALL NOT COMMENCE UNTIL: (A) THE ARIZONA DEPARTMENT OF TRANSPORTATION AND CONSTRUCTION HAS ISSUED AN ACCEPTED ACTIVITY PLAN, A CONSTRUCTION AUTHORIZATION FOR THIS PROJECT; (B) THE CONTRACTOR HAS OBTAINED A PERMITS PUBLIC SENEER CONSTRUCTION PERMIT (CONTACT THE PORTMID PERMITS STAFF AT (520) 724-6849 FOR MORE INFORMATION); (C) THE PWA COUNTY RWMD SENIOR CONSTRUCTION OFFICIALS PLAN HAS BEEN SUBMITTED THRU (30) CALENDAR DAYS PRIOR TO THE PERMITTED CONSTRUCTION MEETING AND APPROVED BY PORTMID FIELD ENGINEERING; AND (D) A PRE-CONSTRUCTION MEETING HAS OCCURRED AND ALL CONCERNED PARTIES HAVE AGREED TO ENTER INTO AT LEAST THREE (3) FULL BUSINESS DAYS PRIOR TO COMMENCING NEWER CONSTRUCTION.
- THE CONTRACTOR SHALL SUBMIT A FLOW MANAGEMENT PLAN (FMP) TO PORTMID FIELD ENGINEERING FOR APPROVAL BEFORE PROCEEDING WITH ANY WORK THAT MAY AFFECT LIVE OPERATIONS OF THE FWP. THE FMP SHALL BE SUBMITTED THIRTY (30) CALENDAR DAYS PRIOR TO THE SENEER PRE-CONSTRUCTION MEETING. FIELD ENGINEERING WILL REVIEW THE FMP WITHIN TEN (10) CALENDAR DAYS OF RECEIPT. IF CHANGES ARE REQUIRED, THE CONTRACTOR SHALL RESUBMIT SSC 2016, SECTION 7 FOR FWP REQUIREMENTS. PLEASE CONTACT PORTMID FIELD ENGINEERING AT (520) 724-2651 FOR ANY QUESTIONS REGARDING FLOW MANAGEMENT.
- THE CONTRACTOR SHALL FURNISH, OBTAIN AND MAINTAIN ALL EQUIPMENT AND LABORS NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THE PWA COUNTY RWMD. THE PWA COUNTY PARKS INDIUARY IS A LIVE SENEER TO WHICH A CONNECTION IS TO BE MADE. THE PORTMID CONSTRUCTION DIVISION SHALL BE NOTIFIED AT [520] 724-2651 A MINIMUM OF TWO (2) BUSINESS DAYS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT THE FLOW MANAGEMENT PLAN TO PORTMID SENIOR SYSTEMS ENGINEER FOR REVIEW AND COORDINATION WITH A LIVE SANEER STAFF. SEE PORTMID SSC 2016, SECTION 2 FOR MORE INFORMATION.
- THE INSPECTION OF THE CONTRACTOR'S WORK BY AN AGENCY AND/OR PORTMID STAFF SHALL BE LIMITED TO THE PORTMID SENIOR CONSTRUCTION OFFICIALS. THE CONTRACTOR SHALL PROVIDE THE REQUIREMENTS OF THE APPROVED CONTRACT DOCUMENTS. IF THE DESIGN ENGINEER OR PORTMID STAFF FAIL TO FIND ANY DEFECT, DEFICIENCY OR ERROR IN THE WORK FROM LACK OF ACCESSIBILITY AND EITHER PARTY SHALL IN NO WAY PREVENT THE COLLECTION OF EVIDENCE BY THE CONTRACTOR FOR DETERMINING THE CAUSE OF THE DEFECT WHEN DISCOVERED. THE CONTRACTOR SHALL NOT FILE A CLAIM FOR LOSSES SUFFERED DUE TO ANY NECESSARY REPAIRS OR REPAYS RESULTING FROM THE UNSUCCESSFUL WORK.
- THE CONTRACTOR SHALL SUBMIT A REQUEST FOR APPROVAL OF THE PORTMID SENIOR CONSTRUCTION APPROVAL STAMP OR THE PWA COUNTY RWMD ACCEPTANCE SIGNATURE SHALL ONLY BE USED FOR THE CONSTRUCTION OF PUBLIC SANITARY SEWER FACILITIES. APPROVED PLANS REQUIRING DESIGN REVISIONS SHALL BE REVISITED TO THE PWA COUNTY RWMD (AS APPROPRIATE). THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ANY SUCH REVISIONS.
- ANY NEWER CONSTRUCTION WORK THAT IS NOT INCLUDED IN THE APPROVED SENIOR PLANS SHALL NOT BE ACCEPTED BY PORTMID. SEE PORTMID SSC 2016, SECTION 1.4.5 REGARDING THE NEWER CONSTRUCTION.
- IMMEDIATELY REPORT ANY OF THE FOLLOWING TO THE PORTMID OPERATIONS CONTROL CENTER ((CCC)) AT (520) 724-4400: ANY RELEASE OF SEWAGE, ANY DAMAGE TO THE PUBLIC SANITARY SEWER SYSTEM, OR THE DROPPING OF DEBRIS INTO A PUBLIC SANITARY SEWER MANHOLE. A CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CCC. THE CCC CONTRACTOR SHALL TAKE IMMEDIATE ACTION TO CONTAIN A SANITARY SEWER OVERFLOW (SSO). THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS TO REPAIR THE SYSTEM, MITIGATE THE RELEASE OF SEWAGE, AND RESTORE THE SANITARY SEWER TO NORMAL OPERATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEWAGE ENTERING A NATURAL DRAINAGE WAY OR STORM WATER DRAINAGE SYSTEM. THE CONTRACTOR SHALL REPAIR ALL DAMAGE AS DIRECTED AND APPROVED BY THE PORTMID FIELD REPRESENTATIVE.
- THE CONTRACTOR SHALL CONTACT "ARIZONA BOLT" DIALING BILL OR 1-800-782-5348) A MINIMUM OF TWO (2) BUSINESS DAYS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL KEEP ALL UNDERGROUND FACILITY LOCATION REQUESTS UP-TO-DATE AND CURRENT. THE REQUESTS SHOULD BE SUBMITTED TO THE ARIZONA BOLT SERVICE AT (520) 460-3522 CONCERNING REGARDING THE ACQUISITION OF THE UNDERGROUND FACILITY WARNINGS AND THE PROJECT PLANS SHALL BE IMMEDIATELY REPORTED TO THE DESIGN ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL SANITARY SEWER MANHOLES AT ALL TIMES. THE CONTRACTOR SHALL FIELD-VENIFY EXISTING SEWER LINE ELEVATIONS AND ALIGNMENTS PRIOR TO CONSTRUCTION. VERIFICATION MAY REQUIRE POST-HOLING.
- ANY HOUSING CONNECTION SEWER (HCS) OR BUSINESS CONNECTION SEWER (BCS) LINES ENCOUNTERED DURING CONSTRUCTION SHALL BE PROTECTED, REPAIRED, OR REMOVED, AS DIRECTED BY PORTMID. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ANY DAMAGE TO THE PROPERTY OWNER OR PORTMID. HCS AND BCS LINES ARE NOT OWNED OR MAINTAINED BY PORTMID. PRIVATE CONNECTION SEWERS CONSTRUCTION PRIOR TO JANUARY 2008 ARE NOT COVERED BY LOCAL ORDINANCES.
- SURVEY LAYOUT AND SURVEY CONTROL SHALL BE PERFORMED BY, OR UNDER THE DIRECT SUPERVISION OF AN ARIZONA RLS.
- SURVEY CUT SHEETS SHALL BE PREPARED IN ACCORDANCE WITH PORTMID SSC 2016, SECTION 3. PORTMID SENIOR CONSTRUCTION OFFICIALS SHALL REVIEW AND APPROVE EACH CUT SHEET PRIOR TO COMMENCEMENT OF SENIOR CONSTRUCTION. CUT SHEETS ARE FOR PORTMID REFERENCE ONLY AND SHALL NOT DELAY SENIOR CONSTRUCTION DUE TO NEWNESS OF THE INFORMATION. ANY ERRORS ON DRAWINGS RESULTING IN IMPROPER SENIOR CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. SEE PORTMID SSC 2016, SECTION 3.7 J(A)(1) FOR CONSTRUCTION SURVEY STAKING REQUIREMENTS.
- THE DEVELOPER OR CONTRACTOR SHALL RETAIN AN ARIZONA-REGISTERED LAND SURVEYOR TO PREPARE THE FINAL RECORD MAP. THE RECORD MAP SHALL BE SUBMITTED TO PORTMID IN CONFORMANCE WITH SSC 2016, SECTION 1.4.7 AND ARE REQUIRED FOR FINAL ACCEPTANCE OF SENIOR CONSTRUCTION BY PORTMID. THE DEVELOPER OR CONTRACTOR SHALL SUBMIT TWO FULL-SIZE COPIES, AND AN ELECTRONIC VERSION, OF THE AS-BUILT SENIOR PLANS TO THE PORTMID SENIOR CONSTRUCTION OFFICIALS.
- THE CONTRACTOR SHALL COMPLY WITH APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS AT ALL TIMES.
- PRIOR TO THE INSTALLATION OF SANITARY SEWERS, ALL ROUGH GRADING, INCLUDING FILL, SHALL BE COMPLETED TO A MINIMUM OF A FEET OVER THE TOP OF THE SENEER PIPE. (BROWNS, GRADES, AND TRENCHES SHALL BE COMPLETED TO A MINIMUM OF FOUR (4) FEET ABOVE THE PORTMID SSC 2016, DETAIL NO. 1004 OR, AS SHOWN ON THE PLANS, SHOULD GROUND SURFACE OR UNACCEPTED SOIL CONDITIONS BE ENCOUNTERED, THE RECORDING SHALL BE STOPPED. THE RECORDING SHALL BE STOPPED IMMEDIATELY IF THE CONTRACTOR LOCATES THE NEW SENEER IS LOCATED WITHIN A PUBLIC SENEER EASEMENT, COMPARTMENT OF DACKFILL SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS OR AS OTHERWISE DIRECTED BY PORTMID SENIOR CONSTRUCTION OFFICIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DACKFILL. SHALL BE IN ACCORDANCE WITH THE RIGHT-OF-WAY AGENCY HAVING JURISDICTION

SEWER NOTES (CONTINUED):

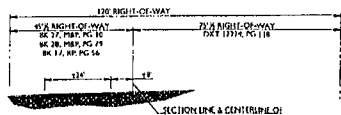
20. SANITARY SENIOR CONSTRUCTION SHALL START AT THE CLOSEST DOWNSTREAM POINT AND PROCEED UPSTREAM, REGARDLESS OF THE STATIONING SHOWN ON THE PLANS IF A CLOSURE OR CANCELLATION OF THE EXISTING SENIOR IS REQUIRED. THE COUNTY ENGINEER SHALL PROVIDE AN OUT-OF-SEQUENCE LETTER FOR APPROVAL BY THE PIMA COUNTY ENGINEER PRIOR TO THE START OF SENIOR CONSTRUCTION.
21. THE HORIZONTAL AND VERTICAL SEPARATION BETWEEN PUBLIC WATER MAINS AND PUBLIC SEWER MAINS SHALL BE MAINTAINED. THE MINIMUM ADMINISTRATIVE CODE (A.C.) R18-5-527 AND PCHMO S2016, DETAIL NO. RW10 108.
22. PLACING WITHIN PUBLIC SEWER EASTWELLS SHALL NOT BE ALLOWED WITH SPECIAL APPROVAL. LINES WITH FRANCHISES OR ROOTS HAVING THE POTENTIAL TO EXTEND INTO PUBLIC SEWERS SHALL BE REMOVED. SEWER REDUCED IN SIZE SHALL BE REMOVED. SEWERS MUST BE LOCATED OUTSIDE PAVED OR STABILIZED AREAS, LANDSCAPING AND PLANNING SHALL ADHERE TO GUIDELINES IN PCHMO S2016, SECTION 7.17 AND PCHMO S2016, DETAIL NO. RW10 108.
23. ALL STORM WATER POLLUTION PREVENTION PLAN (SPPM) MEASURES SHALL BE INSTALLED TO PREVENT ALL STORM WATER, CONSTRUCTION WATER, FUELS, CHEMICALS, LIQUIDS, OR OTHER CONTAMINANTS, FROM BEING DISCHARGED INTO OR ONTO ANY SANITARY SENIOR FACILITIES. THE SPPM SHALL BE DESIGNED TO PREVENT ANY CONTAMINANTS FROM ENTERING THE CONSTRUCTION SUMP AND BEST MANAGEMENT PRACTICES. PROTECTION DEVICES SHALL BE INSTALLED AND MAINTAINED AROUND ALL POTENTIALLY AFFECTED SANITARY SENIOR FACILITIES. THE SPPM SHALL BE DESIGNED TO PREVENT ANY CONTAMINANTS FROM ENTERING THE CONSTRUCTION SUMP AND BEST MANAGEMENT PRACTICES. THE SPPM SHALL BE DESIGNED TO PREVENT ANY CONTAMINANTS FROM ENTERING THE CONSTRUCTION SUMP AND BEST MANAGEMENT PRACTICES. THE SPPM SHALL BE DESIGNED TO PREVENT ANY CONTAMINANTS FROM ENTERING THE CONSTRUCTION SUMP AND BEST MANAGEMENT PRACTICES.
24. PUBLIC ACTIVITIES MUST BE KEPT WITHIN THE PROJECT AREAS CONCERNING HUMAN DURELACT, REMAINS, ARCHAEOLOGICAL CLEARANCE RECOMMENDATIONS DO NOT EXEMPT THE PROJECT FROM THE REQUIREMENTS OF THE ARIZONA STATE MUSEUM. THE ARIZONA STATE MUSEUM, INCLUDING HUMAN SKELETA REMAINS, CREATIONS, CREMONAL OBJECTS OR FUNERARY OBJECTS, ARE FOUND DURING EXCAVATION OR CONSTRUCTION, GROUND DISTURBING ACTIVITIES MUST CEASE IN THE IMMEDIATE VICINITY OF THE REMAINS. ARIZONA STATE LAWS REQUIRE THE PROTECTION OF HUMAN REMAINS. THE ARIZONA STATE MUSEUM SHALL 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 REMAINS. IF NO RECORD OF THE REMAINS, THE HUMAN REMAINS WILL BE REMOVED FROM THE SITE BY A PROFESSIONAL ARCHAEOLOGIST PENDING CONSULTATION AND REVIEW BY THE ARIZONA STATE MUSEUM AND THE CONCERNED CULTURAL GROUPS.
25. DETECTED SANITARY SEWERS WILL BE PUBLIC MAINS, SHALL BE DESIGNED AND CONSTRUCTED TO PIMA COUNTY REGIONAL WASTEWATER TREATMENT PLANT.
26. ALL ONSITE SANITARY SEWERS WILL BE DESIGNED TO PROVIDE GRADIENT FLOW.
27. CONSTRUCTION AUTHORIZATION FROM THE PIMA COUNTY DEPARTMENT OF ENVIRONMENTAL QUALITY IS REQUIRED BEFORE BEGINNING ANY WORK ON THIS PROJECT.
28. IN ACCORDANCE WITH R18-9-330(D)(2)(C) SENIOR LINES AND RELATED PARTS SHALL NOT BE LOCATED UNDER OR ADJACENT TO ANY HOME OR OTHER RESIDENTIAL STRUCTURE.
29. IN ACCORDANCE WITH R18-9-330(D)(5)(A) MANHOLE COVERS ARE DESIGNED TO RESTRICT OR ELIMINATE STORM WATER INLEAK INTO AREAS SUBJECTED TO MORE THAN HOODENTIAL RAINFALL.
30. IN ACCORDANCE WITH R18-9-330(D)(1)(F) FLEWABLE GRADIENT SENIOR LINES MUST BE INSTALLED AND TESTED.
31. IN ACCORDANCE WITH R18-9-330(D)(2)(X) SENIOR LINES MUST BE LEAKAGE-TESTED (ASTM F1417 FOR PIVE GRADIENT SENIORS, ETC.).
32. IN ACCORDANCE WITH R18-9-330(D)(3)(A) SENIOR LINES SHALL HAVE A UNIFORM SLOPE TEST.
33. IN ACCORDANCE WITH R18-9-330(D)(3)(B) MANHOLE SHALL BE LEAKAGE TESTED PER ASTM C1555.
34. IN ACCORDANCE WITH R18-9-330(D)(3)(C) THE PROPOSED SENIOR COLLECTION SYSTEM AND DRINKING WATER SYSTEM COMPONENTS SHALL MEET SEPARATION REQUIREMENTS PER A.C. ARTICLE 5.
35. IN ACCORDANCE WITH R18-9-330(D)(3)(D) THE UNFINISHED SENIOR BURIED IN PIVE SHALL BE 3 (THREE) FEET.
36. THE FOLLOWING LOTS WILL REQUIRE BACKWATER VALVES 1, 12, 29, 25, 29



Approved 05/24/2019

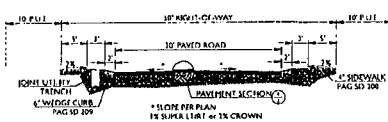
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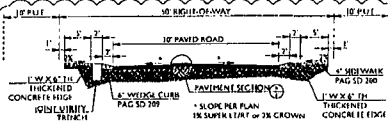
EXISTING MAGEE ROAD SECTION (35 MPH)

NOT TO SCALE



TYPICAL ROADWAY SECTION

NOT TO SCALE



ALTERNATIVE ROADWAY SECTION

NOT TO SCALE

SECTION	No.	AC	ABC
1	23	40	
2	30	40	

ASPHALTIC CONCRETE OPTION

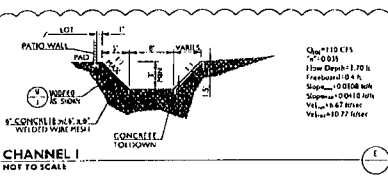
3" COMPACTED 1/2" THICK M-15 ELASTOMER ASKLE LIFE
COMPACTED SUBGRADE

ROLLER COMPACTED CONCRETE OPTION

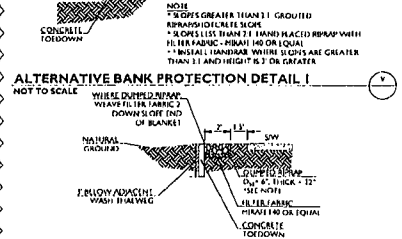
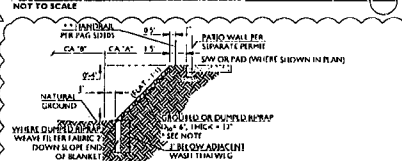
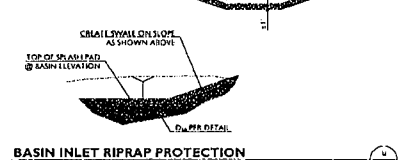
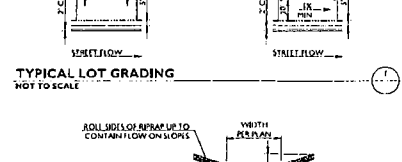
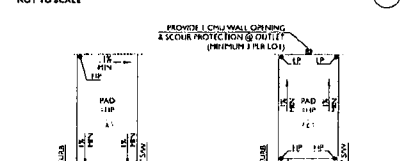
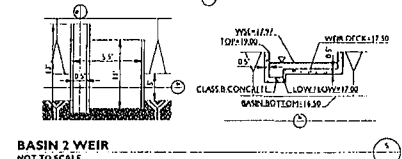
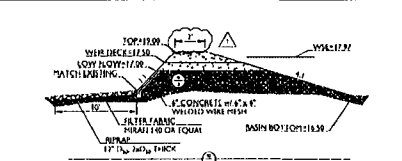
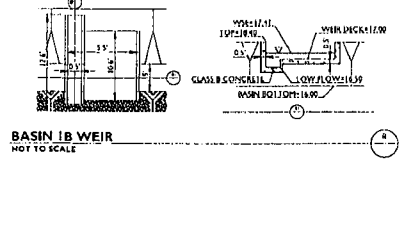
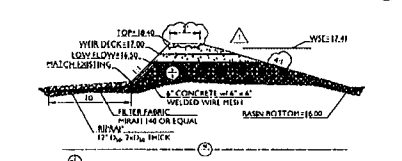
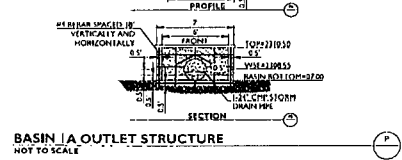
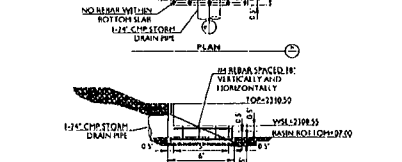
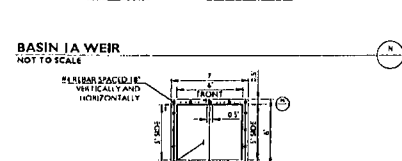
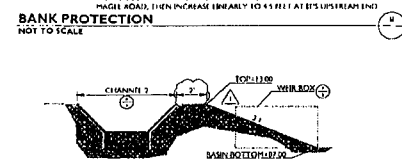
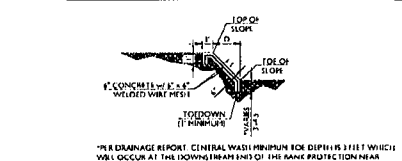
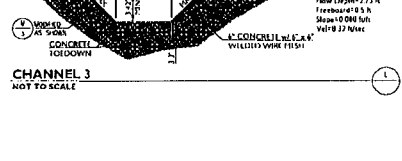
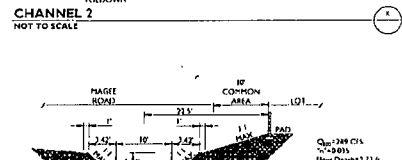
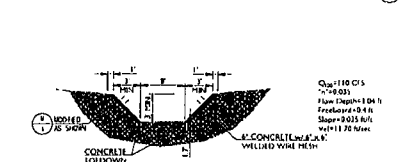
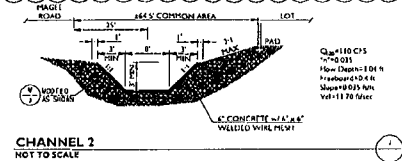
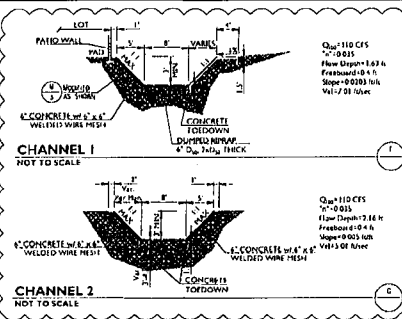
PAYMENT RECOMMENDATIONS PER C-1011 CIVIL ENGINEERING EVALUATION PREPARED BY
GROUND SUPPORT ENGINEERING, LLC PROJECT #1400 DATED JUNE 1, 2016

PAVEMENT OPTIONS

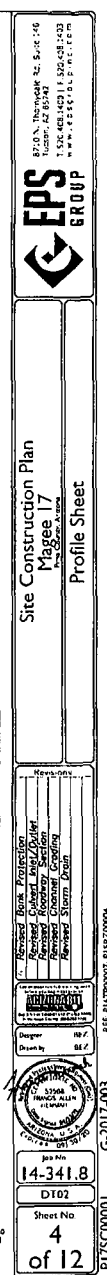
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NOT TO SCALE



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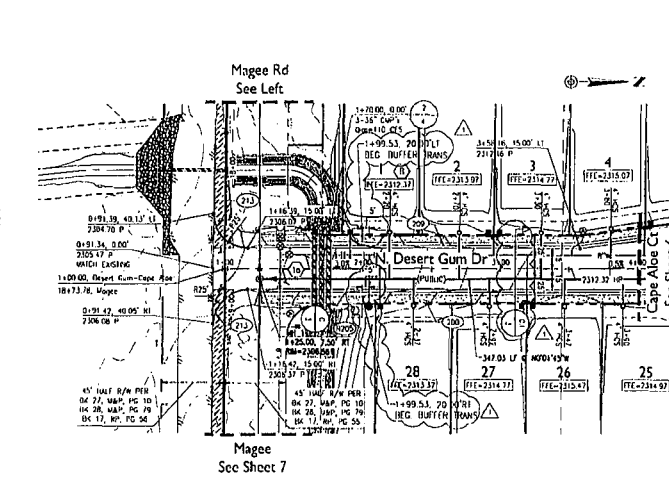
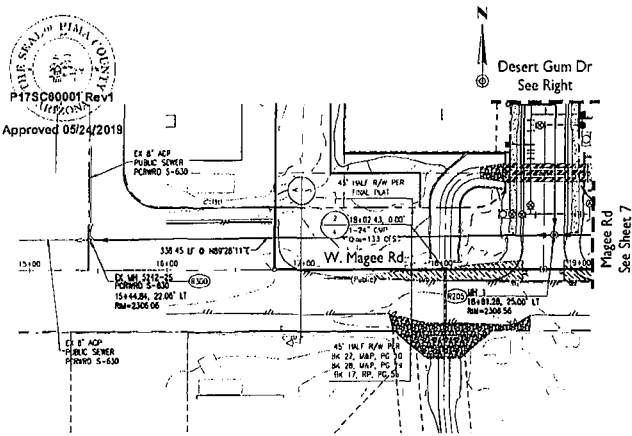


C-2017-003
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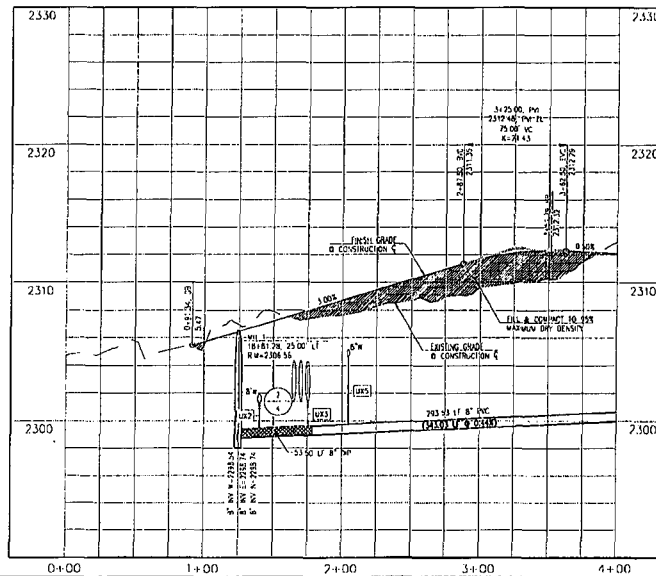
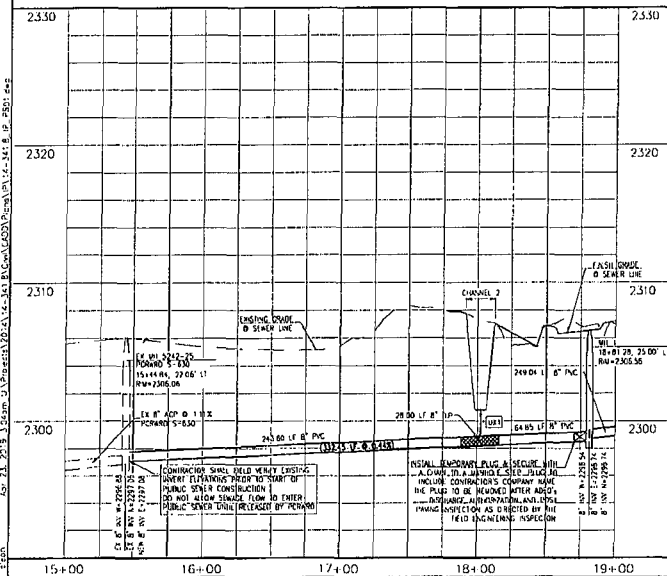
Approved 05/24/2019



- KEYNOTES:**
- (200) 5' CONCRETE SHOULDER PER PAG 5D 200
 - (205) CONCRETE WEDGE CURB PER PAG 5D 200
 - (213) CONCRETE HEADER PER PAG 5D 213
 - (220) 4'x4' MANHOLE PER PAG 5D 205
 - (230) CONNECTION TO EXISTING MANHOLE PER PAG 5D 300
 - (10) PAVEMENT SECTION 1 PER
 - (15) PAVEMENT SECTION 2 PER
 - (B) SEWER BACKWATER VALVE REQUIRED

Magee
All Stationing is Along Construction Centerline
Unless Otherwise Noted

Desert Gum-Cape Aloe
All Stationing is Along Construction Centerline
Unless Otherwise Noted



MANHOLE AS-BUILT INFO			
MAN NO.	STATE PLANE COORDINATES (AZ CENTRAL) AND UTM ZONE 18N	NORTHING	EASTING
1			

HCS AS-BUILT INFO			
LOT #	STATE PLANE COORDINATES (AZ CENTRAL) AND UTM ZONE 18N	DISTANCE FROM TOP OF DOWNSTREAM MANHOLE	SEWER LINE STATIONING AT HCS/HCS CONNECTION
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
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100			

UTILITY CROSSING DATA			
CROSSING	SEWER	WATER	STORM
UT01	2298.91 TOP	2300.81 INV	1.90
UT02	2299.50 TOP	2301.79 INV	1.13
UT03	2299.65 TOP	2301.38 INV	1.13
UT04		2297.80 TOP	2301.28 INV
UT05	2299.78 TOP	2301.73 INV	1.95
UT06	2300.90 TOP	2301.46 INV	0.56
UT07	2302.72 TOP		2306.72 INV
UT08		2301.40 TOP	2306.54 INV
UT09	2312.88 TOP		2315.16 INV
UT10		2312.18 TOP	2315.76 INV
UT11	2314.50 TOP	2318.56 INV	4.06
UT12	2312.82 TOP	2316.74 INV	4.11

Site Construction Plan
Magee 17
Paving & Sanitary Sewer

8716 N. Thompson Rd. Suite 140
Tucson, AZ 85747
1-800-441-4444
www.eps-group.com

EPS GROUP

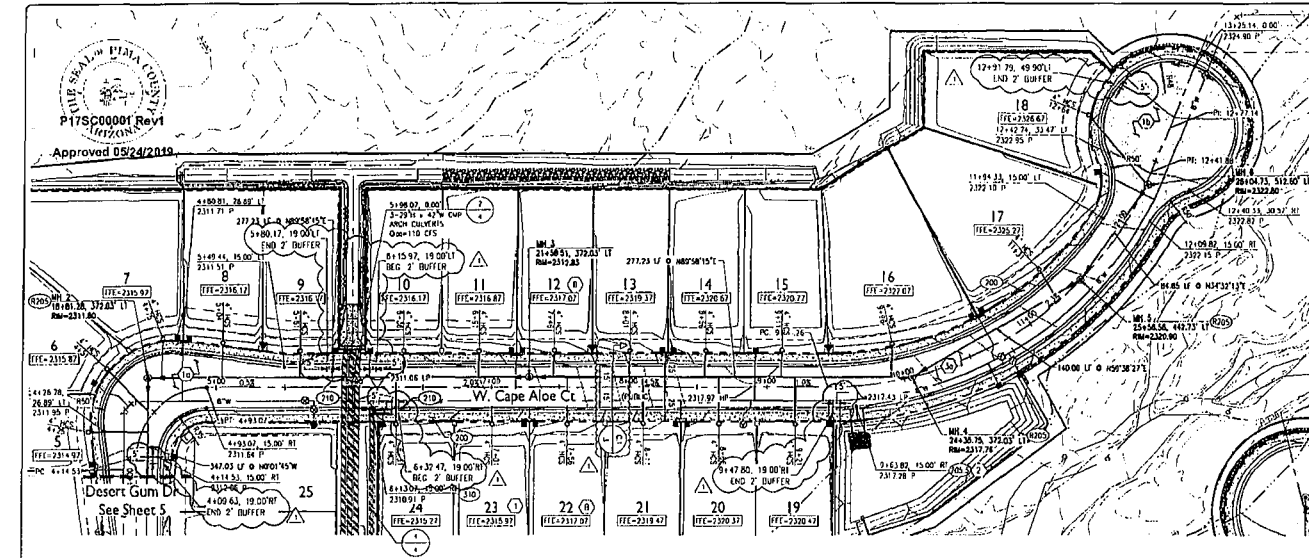
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Reviewed By: [Signature]
Checked By: [Signature]
Designed By: [Signature]

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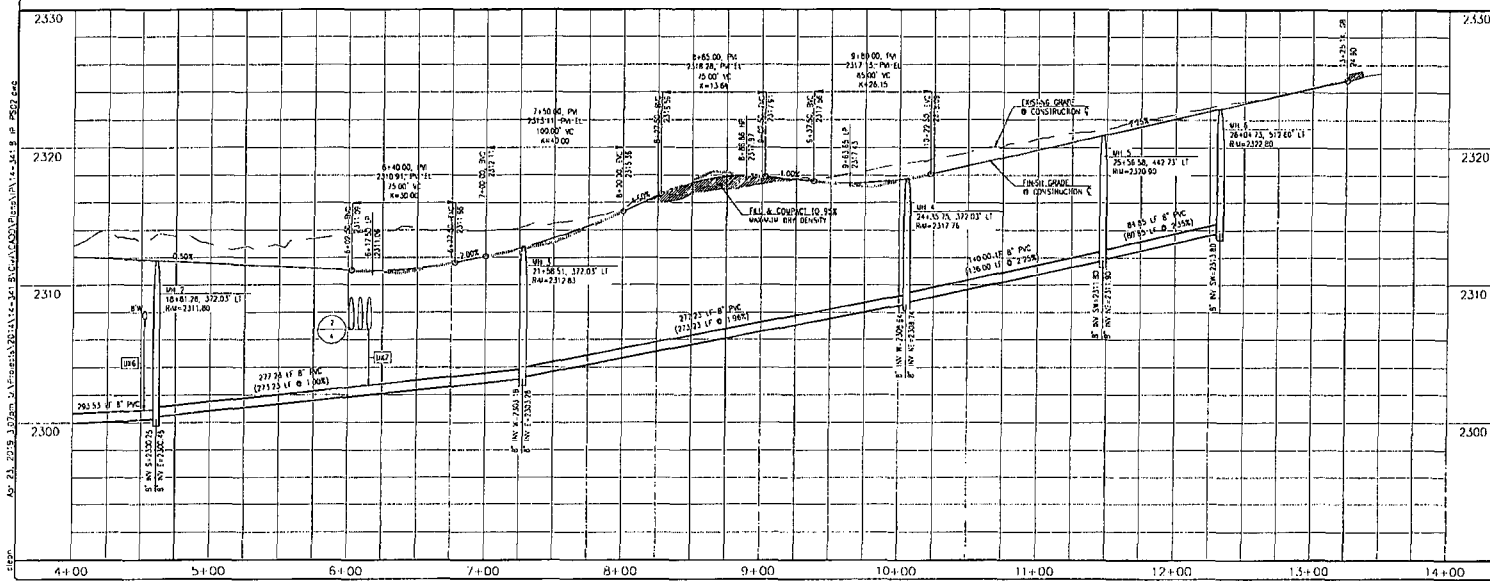
Sheet No. **5** of **12**

P17SC00001 G-2017-003

14-341.8



Desert Gum-Cape Aloe
All Stationing is Along Construction Centerline
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KEYNOTES:

- 100 5" CONCRETE SIDEWALK PER PAG SD 200
- 200 SIDEWALK SCURPER PER PAG SD 200.5
- 300 CONCRETE WALK CURB PER PAG SD 200
- 210 CONCRETE CURB TRANSITION PER PAG SD 210
- 110 5" CATCH BASIN PER PAG SD 310
- 990 4" MANHOLE PER PAG SD 200
- 120 PAVEMENT SECTION 1 PER
- 130 PAVEMENT SECTION 2 PER
- 140 FANCI HATCH w/ 1" ANGLE (FAN)
- 150 SIDEWALK SCURPER w/ 2" - 4" SPACINGS
- 160 SEWER BACKWATER VALVE REQUIRED

MANHOLE AS-BUILT INFO		
MH NO	STATE PLANT COORDINATES (AT CENTRAL) HAD BY INTERNATIONAL FEET	
	NORTHING	EASTING
MH 1		
MH 2		
MH 3		
MH 4		
MH 5		
MH 6		

HGS AS-BUILT INFO				
STATION	STATE PLANT COORDINATES (AT CENTRAL) HAD BY INTERNATIONAL FEET AT CHAINAGE		DISTANCE FROM TAP TO DOWNSTREAM MANHOLE	SEWER LINE STARTING AT HGS/PCS CONNECTION
	NORTHING	EASTING		
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

UTILITY CROSSING DATA				
CROSSING	SEWER	WATER	STORM	INTERFERENCE
UT1	2298.31 TOP	2300.81 INV	2300.81 INV	1.50
UT2	2299.50 TOP	2301.28 INV	2301.28 INV	1.75
UT3	2299.85 TOP	2301.38 INV	2301.38 INV	1.53
UT4	-	2297.83 TOP	2301.38 INV	3.48
UT5	2299.78 TOP	2304.73 INV	-	4.95
UT6	2300.00 TOP	2301.45 INV	-	1.45
UT7	2302.72 TOP	-	2306.72 INV	4.00
UT8	-	2303.48 TOP	2306.54 INV	3.04
UT9	2312.00 TOP	-	2315.16 INV	3.16
UT10	-	2317.18 TOP	2315.25 INV	2.06
UT11	2314.50 TOP	2316.56 INV	-	1.06
UT12	2312.80 TOP	2316.41 INV	-	4.11

Site Construction Plan
Mages 17
Paving & Sanitary Sewer

Project: Desert Gum-Cape Aloe
Location: Paving & Sanitary Sewer
Scale: 1" = 40'
Date: 05/24/2019

Job No: 14-341.8
Sheet No: 6 of 12

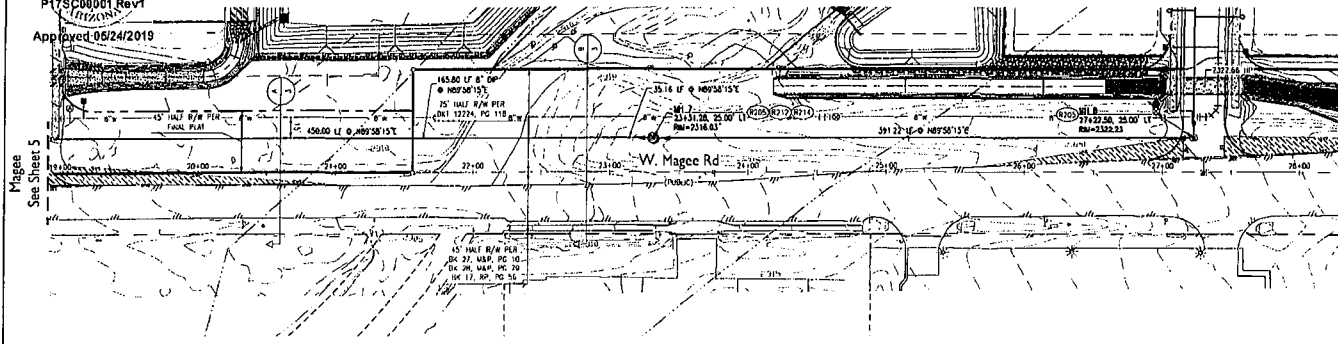
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6
of 12

14-341.8

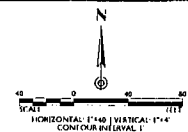
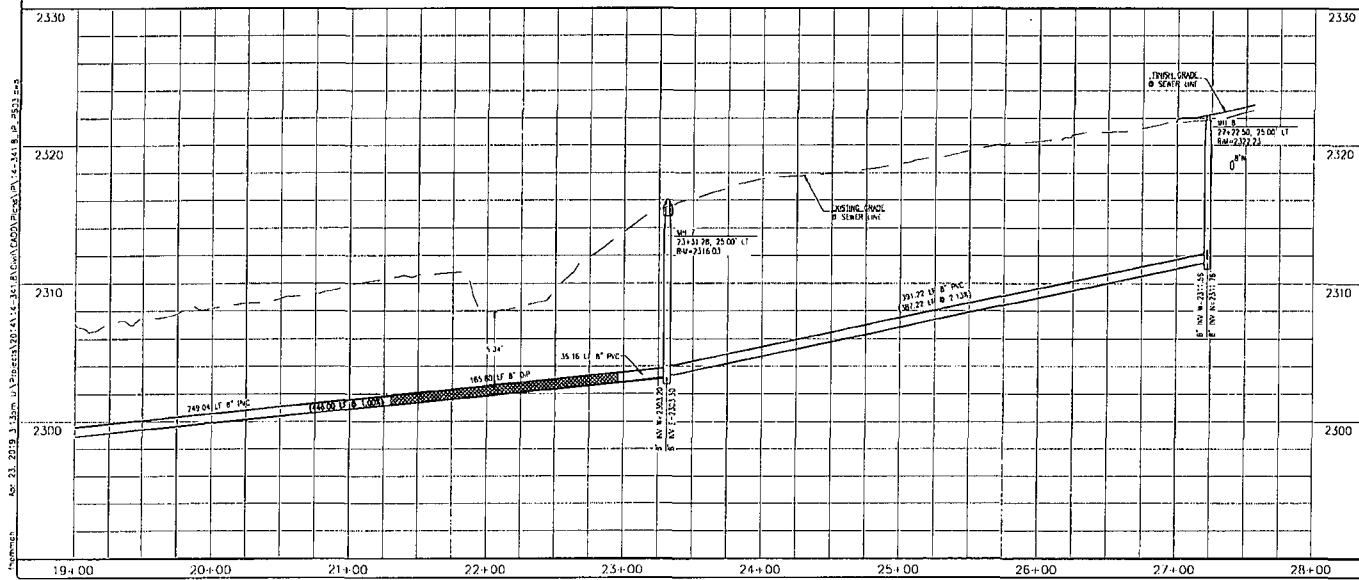
Approved: Apr. 23, 2019, J. L. Brown, P.E., 14-341.8, P. 2533-1-1



Approved 05/24/2019



Magee
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Unless Otherwise Noted



- KEYNOTES:**
- (1) 4\"/>

MANHOLE AS-BUILT INFO			
MANHOLE	SITE PLANE COORDINATES (AZ CENTRAL)		
	NAD 83 INTERMEDIATE FEET		
MANHOLE	NORTHING	EASTING	
MANHOLE 1			
MANHOLE 2			
MANHOLE 3			

UTILITY CROSSING DATA				
CROSSING	SEWER	WATER	STORM	INTERFERENCE
UT1	2296.91 TOP	-	2300.81 HW	1.90'
UT2	2291.50 TOP	2301.29 HW	-	1.79'
UT3	2299.85 TOP	-	2301.38 HW	1.53'
UT4	-	2297.80 TOP	2301.28 HW	2.48'
UT5	2299.18 TOP	2304.73 HW	-	4.55'
UT6	2300.10 TOP	2307.48 HW	-	6.38'
UT7	2302.72 TOP	-	2305.72 HW	3.00'
UT8	-	2303.40 TOP	2305.54 HW	2.14'
UT9	2312.88 TOP	-	2315.16 HW	2.28'
UT10	-	2312.18 TOP	2315.26 HW	3.08'
UT11	2314.50 TOP	-	2318.56 HW	4.06'
UT12	2317.60 TOP	2316.71 HW	-	4.11'

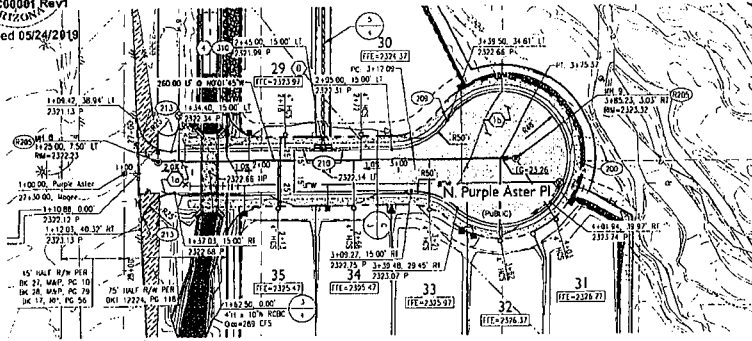
8700 N. Thompson Rd. Suite 140
Tucson, AZ 85749
Tel: (520) 440-1111 Fax: (520) 440-1400
www.eps-group.com

Site Construction Plan
MAGEE 17
Sanitary Sewer

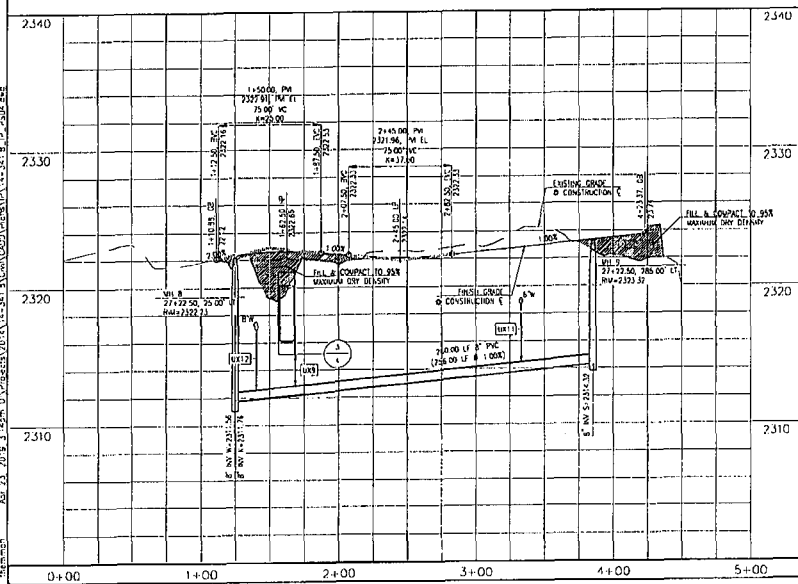
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Checked: JLS
Date: 05/24/2019

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Sheet No.
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of 12

P17SC00001 REF: P14T00007 P14T00004 G-2017-003



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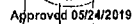


- 300 5" CONCRETE SUBGRADE PER PAG 50 200
 290 CONCRETE WEDGE CURB PER PAG 50 200
 210 CONCRETE CURB MANHOLE PER PAG 50 210
 213 CONCRETE HEADER PER PAG 50 213
 110 TYPE 5 CATCH BASIN PER PAG 50 310 (KING ARTHUR AS SUPPLIER)
 1005 4" MANHOLE PER RATIO 50 205
- 16 PAVEMENT SECTION 1 PER 
 16 PAVEMENT SECTION 2 PER
 16 EXIST'N BASIN of 2x 4' MANHOLE (NORTH & SOUTH)
 11 SEWER INJECTORATOR VALVE REQUIRED

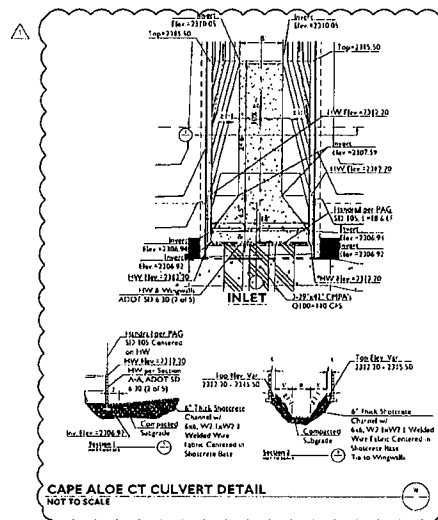
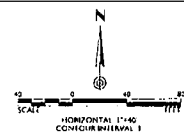
MANHOLE AS-BUILT INFO		
WEL NO	STATE PLANT COORDINATES (AZ CENTRAL) MAU 83 INTERNATIONAL FEET	
	NORTHING	EASTING
PH 9		

HCS AS-BUILT INFO			
STATE PLATE COORDINATES (AZ CENTRAL) NAD 83 INTERNATIONAL FEET AT CLEAQUOT		DISTANCE FROM TOP TO DOWNSTREAM MANHOLE	SEWER LINE STATIONING AT HCS/HCS EASEMENT
NORTHING	EASTING		
30	35		
31	36		
32	37		
33	38		
34	39		
35	40		

CROSSING	SEWER	WATER	STORM	DIFFERENCE
U001	2789 51 TOP		2500 81 INV	95'
U02	2799 50 TOP	2301 29 INV		175'
U03	2799 65 TOP		2301 38 INV	175'
U04		2297 80 INV		145'
U05	2799 18 TOP	2153 38 INV	2500 28 INV	245'
U06	2800 85 TOP	2307 44 INV		850'
U07	2782 72 TOP		2306 37 INV	450'
U08		2503 01 INV	2506 54 INV	314'
U09	2312 88 TOP		2515 16 INV	238'
U10		2312 18 INV		306'
U11	2312 88 TOP	2310 56 INV		308'
U12	2312 60 TOP	2313 71 INV		411'



- | | |
|-----|---|
| 129 | 100% PER P&G P&G 169 |
| 130 | 2" CONCRETE SIDEWALK PER P&G 200 |
| 131 | SIDEWALK SCUMPER PER P&G 200.5 (SPRING AS SHOWN) |
| 132 | CONCRETE HEDGE CURB PER P&G 200 |
| 133 | CONCRETE CURB TRANSITION PER P&G 210 |
| 134 | CONCRETE HEADER PER P&G 213 |
| 135 | STONED BRUSH WANDER PER P&G 303 |
| 136 | TYPE 5 SCAFF SAND PER P&G 310 (AS NOTED AS 5-04) |
| 137 | CONCRETE HEADWALL PER P&G 313 |
| 138 | 4" WANDER PER P&G 320 |
| 139 | CONNECTION TO EXISTING WANDER PER P&G 300 |
| 140 | PCS CONNECTION TO SLEWER LINE PER P&G 301 |
| 141 | PCS CONNECTION TO WANDER PER P&G 302 |
| 142 | 3'-20" x 42" CURB |
| 143 | 10' PUBLIC UTILITY EASEMENT BY FINAL PLAT |
| 144 | 1" ACCESS CONTROL EASEMENT BY FINAL PLAT |
| 145 | CONSTRUCTION EASELINE |
| 146 | 200' MAJOR STREET x 40' SLEWED SIDEWALK BOUNDING HEIGHTS WITHIN 10' OF 110' |



Site Construction Plan
Magee 17
PWS 02-001, A-2013
Grading & Drainage

Revised Bank Protection	Revised Culvert Inlet/Outlet	Revised Roadway Section	Revised Channel Grading	Revised Storm Drain

Days	
Days	

PHOENIX POLICE DEPARTMENT
ARIZONA
3/25/68
FRANCIS ALLEN
HUMAN

Job No
14-341

Sheet No. 9 of 12

EF. P16TP000007; P15RZ000004

G-2017-003

PI7SC00001

Ac: 2J. 20:6 J 5:7:am J 5:0:ec:6 20:4 :c-Jc: B\Cm\C20\Plens\10\c-Jc: 9_12_0002:=w5



- (D6) HANDRAIL PER PAG 52 105
 (D7) 5' CONCRETE SIDEWALK PER PAG 52 300
 (D8) SIDEWALK SCUPPER PER PAG 52 365 (OPENING AS SHOWN)
 (D9) CONCRETE KIDGE CURB PER PAG 52 309
 (D10) CONCRETE CULVERT TRANSITION PER PAG 52 210
 (D11) CONCRETE HEADRAIL PER PAG 52 313
 (D12) STORM DRAIN HANDRAIL PER PAG 52 362
 (D13) TYPE 2 CATCH BASIN PER PAG 52 310 (RANGE WIDTH AS SHOWN)
 (D14) CONCRETE HEADRAIL PER PAG 52 313
 (D15) 6" HANDRAIL PER HAND 52 205
 (D16) CONNECTION TO EXISTING HANDRAIL PER HAND 52 300
 (D17) 12" CONNECTION TO SEWER LINE PER HAND 52 401
 (D18) 12" CONNECTION TO MANHOLE PER HAND 52 402
 (D19) 3'-20" x 42" CULVERT
 (D20) 10" PUBLIC UTILITY EASEMENT BY FINAL PLAN
 (D21) ACCESS CONTROL EASEMENT BY FINAL PLAN
 (D22) CONSTRUCTION CENTRELINE
 (D23) ADJACENT WALKWAYS & REDUCED SETBACKS BEHIND BUILDINGS WITHIN
 SETBACK LINES COMPARED TO 24 112

Materials	
✓	Revised Bank Protection
	Revised Culvert Inlet/Outlet
	Revised Roadway Section
	Revised Channel Grading
	Revised Storm Drain

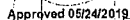


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GD02
Street No
10
of 12

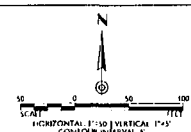
57:0 N. Thymek Rg. Suite 100
Tucson, AZ 85742
T: 520.408.1400 F: 520.408.1403
www.thymek.com



P17SC00001 G-2017-003 REF P16YPO0007: P15RZ00004



Approved 05/24/2019



ALL CURB, SIDEWALKS AND CONSTRUCTION SHALL BE SET OUT BEFORE THE IMPROVEMENTS CONTAINED IN THE CURRENT PAVEMENT ASSOCIATION OF OWNERS/USERS (PAO) SPECIFICATIONS FOR PUBLIC IMPROVEMENTS ARE COMPLETED. THE PAVEMENT ASSOCIATION OF OWNERS/USERS (PAO) SPECIFICATIONS FOR PUBLIC IMPROVEMENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE PAVEMENT PAVEMENT SUPERVISION (2007) DRAWING.

THE STRIPING CONTRACTOR SHALL CONTACT THE PAVEMENT PAVEMENT MARKING SUPERVISION (2007) DRAWING AT LEAST 15 WORKING DAYS IN ADVANCE OF ANY PAVEMENT MARKING LAYOUT BEING INSTALLED TO OBTAIN APPROVAL OF THE PAVEMENT MARKING SUPERVISION DURING NORMAL BUSINESS HOURS, MONDAY THROUGH FRIDAY, STATE HOLIDAYS EXCLUDED.

UPON APPROVAL OF THE PAVEMENT MARKING LAYOUT, THE PAVEMENT PAVEMENT MARKING SUPERVISION WILL BE REQUIRED TO PROVIDE A SIGNATURE AND DATE TO THE PAVEMENT MARKING SUPERVISION TO BE INSTALLED. THE PRESENT PAVEMENT MARKINGS MAY BE UNDOED AS DEEMED AND APPROVED BY THE TRAFFIC ENGINEER OR THE PAVEMENT MARKING SUPERVISION.

THE DESIGN SPEED FOR NEW ROADWAYS IS 35 MPH. THE DESIGN WIDTH IS 40'-0". THE POSITD SPEED LIMIT FOR MAJOR ROAD IS 35 MPH.

ALL PAVEMENT ARE MEASURED FROM THE CENTER OF LANE LINE, CENTER OF DOUBLE LANE LINE OR LOS OF PAVEMENT, UNLESS OTHERWISE NOTED.

THE PAVEMENT MARKING DRAWINGS ARE SCHEMATIC ONLY. THE CONTRACTOR SHALL FURNISH ALL DIMENSIONS. THE PAVEMENT MARKING DETAILS AND SPECIFIED STANDARDS WHEN INSTALLING PAVEMENT STRIPING, STOPS, LEGENDS AND MARKERS.

PAINTED LAYOUT STRIPING SHALL BE USED (2007) DRAWING, WHITE MARKED PAINT PLACED ON THE PAVEMENT SURFACE. THE PAVEMENT MARKING SUPERVISION SHALL BE INSTALLED WITHIN THE WORKING DAYS OF THE PAVEMENT SUPERVISION BEING COMPLETED.

PAINTED STRIPING SHALL BE INSTALLED WITHIN THE SAME TIME AS THE PAVEMENT STRIPING, WITH THE EXCEPTION OF BLUE LANE STRIPING AND ADJUSTED (STOP, AHEAD, LANE).

- 11 THE FINAL LONGITUDINAL STRIPING SHALL BE 90 W/100' (200') BARS. EXTENDED TEMPORALY RECONFIGURED STRIPING PLACED OVER THE PAVED LANE SURFACING WITH A SINGLE 90' TO 10' POUNDS PER SQUARE YARD OF 1 1/2" TO 2" THICKNESS STIRRED ASPHALT EMULSION SHALL BE PLACED OVER THE STRIPING. THE STRIPING SHALL BE PLACED TO 10' TO 12" TO EXCEEDING THE MAXIMUM FINAL SURFACE SURFACING WHEN COMPLETED. ALL PREVIOUSLY EXEMPTED STRIPING SHALL BE REMOVED AND REPLACED WITH THE NEW STRIPING.
- 12 ALL FINAL TRANSVERSE STRIPING, INCLUDING STOPPING AND LEGALITY, SHALL BE 90 W/100' (200') BARS. EXTENDED TEMPORALY RECONFIGURED STRIPING WITH 10 POUNDS PER 100 SQUARE FEET OF ASPHALT 2 1/2" TO 3" THICK CLASS 1 SHALL BE PLACED OVER THE STRIPING.
- 13 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF TEMPORARY WARNINGS ON THE FINAL SURFACE COURSE FOLLOWING THE CONTRACTING PER DECISION OF TRAFFIC, CONSIDERING OF CONTROL, ADVANCE WARNING, AND TRAFFIC CONTROL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF TEMPORARY WARNINGS IN THE ADJACENT SECTIONS WHERE THE PAVEMENT WARNING PATTERN DOES NOT CHANGE.
- 14 IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE FINAL SURFACE COURSE IS PLACED SO THAT THE CONTRACTOR'S TEMPORARY WARNING PATTERN IS NOT INTERFERED BY THE FINAL SURFACE COURSE.
- 15 ALL RECOMMENDED MAJOR PAVEMENT WARNINGS (STOPPING OR BRUSH) SHALL BE INSTALLED SO THAT THE REFLECTIVE FACE OF EACH WARNING IS FACING THE DIRECTION OF TRAFFIC AND IS PERPENDICULAR TO THE DIRECTION OF TRAFFIC. THE REFLECTIVE FACE OF EACH WARNING SHALL BE PLACED AT THE END OF EACH MAJOR PAVEMENT WARNING. THE REFLECTIVE FACE OF EACH WARNING IS FACING APPROACHING TRAFFIC AND PERPENDICULAR TO THE DIRECTION OF TRAFFIC.
- 16 ALL RECOMMENDED BRUSH PAVEMENT WARNINGS (STOPPING OR BRUSH) SHALL BE INSTALLED PER THE CURRENT EDITION OF THE PEOTV PAVEMENT WARNING MANUAL AND APPLICATIONS. ADVISORIES.
- 17 ALL REMOVAL OF EXISTING PAVEMENT WARNINGS SHALL BE ACCORDING TO THE REQUIREMENTS WITH SECTION 705 OF THE MAINTENANCE SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION AND STAGING OF ALL REMOVAL.
- 18 FOR THE PROPOSED CONSTRUCTION PROJECTS, THE DESIGN CONSULTANT SHALL PROJECT WARNINGS SHALL BE RECOMMENDED TO BE PLACED WITHIN 300' OF THE CONSTRUCTION PROJECT.
- 19 UNLESS OTHERWISE NOTED, ALL PAVEMENT WARNINGS SHALL BE INSTALLED BY THE CONTRACTOR.

- [illegible]

[illegible]

- [illegible]

of 12

