MANZANITA ELEMENTARY SCHOOL PEDESTRIAN IMPROVEMENT PROJECT

PROJECT DESCRIPTION:
MANZANITA ELEMENTARY SCHOOL PEDESTRIAN IMPROVEMENT PROJECT IS LOCATED IN UNINCORPORATED PIMA COUNTY ALONG CAMPBELL AVENUE FROM LA ENCANTADA SHOPPING CENTER TO PLAZA ENCANTADA. THE PRIMARY PURPOSE OF THIS PROJECT IS TO PROVIDE SIDEWALK/PAVED PEDESTRIAN PATH AND ASSOCIATED IMPROVEMENTS ALONG CAMPBELL AVENUE TO PROVIDE A PEDESTRIAN ROUTE TO MANZANITA ELEMENTARY SCHOOL.

PROJECT NUMBER
4RTMES

INDEX TO PLAN SHEETS

LOCATION MAP

MANZANITA ELEMENTARY SCHOOL PEDESTRIAN IMPROVEMENT PROJECT

PIMA COUNTY DEPARTMENT OF TRANSPORTATION

Pima County Department of Transportation
201 N. Stone Ave, 4th Floor
Tucson, Arizona 85701
Phone Number 520-886-2200

Kimley-Horn

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Sheet No. 1 of 19  Page No. 1 of 19
GENERAL NOTES:

1. CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE SPECIFICATIONS AND DETAILS LISTED IN THE SPECIAL PROVISIONS.

2. UTILITY LOCATIONS SHOWN ON THE PLANS ARE COMPILATIONS BASED ON THE BEST INFORMATION AVAILABLE TO THE DEPARTMENT. UTILITY LOCATIONS ARE NOT INTENDED TO BE EXACT OR COMPLETE. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES WITH THE APPROPRIATE ORGANIZATIONS. CONTACT "TRUE STATE" AT 1-800-762-5488 TWO WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION (SATURDAY AND SUNDAY ARE NOT CONSIDERED WORKING DAYS).

3. RIGHT-OF-WAY ENCUMBRANCES SHALL BE REMOVED ONLY BY ORDER OF PIMA COUNTY, UNLESS OTHERWISE NOTED.


5. BASIS OF ELEVATIONS:

The Elevations Shown on this Survey is NAD 83, North, Arizona State Plane Coordinate System, North zone (12), Central, Zone, International Feet (ASF). The Basis of Elevations for this Project is the National Geodetic Vertical Datum (NGVD) of 1929. The Elevations are based on the NGVD of 1929 and are adjusted to the National Geodetic Vertical Datum (NGVD) of 1929. The Elevations are based on the NGVD of 1929 and are adjusted to the National Geodetic Vertical Datum (NGVD) of 1929.

6. BASIS OF COORDINATES:

The Arizona State Plane Coordinates, North (North), Central, Zone, International Feet (ASF) were scaled to create a "Washed" Coordinate System at Surface Level, the Surface of the Contoured Air Photograph 108M (T = 0.00001201) was applied at the PIMA County Survey Office. The Elevations are based on the NGVD of 1929 and are adjusted to the National Geodetic Vertical Datum (NGVD) of 1929. The Elevations are based on the NGVD of 1929 and are adjusted to the National Geodetic Vertical Datum (NGVD) of 1929.

7. SOILS INFORMATION IS NOT AVAILABLE FOR THIS PROJECT.

8. THE CONTRACTOR SHALL MAKE SURE TO ALL DRIVEWAYS,ALLEYS, AND MAILBOXES DURING CONSTRUCTION. THE CONTRACTOR SHALL NOT DISTURB EMERGENCY VEHICLES, U.S. POSTAL DELIVERY, SOLID WASTE COLLECTIONS AND ACCESS TO THE ADJACENT PROPERTIES EXCEPT AS APPROVED BY THE ENGINEER.

9. OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE DRAWINGS/NOTES/DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND RESOLVED BEFORE PROCEEDING WITH THE WORK.

10. ALL STATIONS SHOWN ON THE PLANS AND PROFILES ARE ALONG THE CONSTRUCTION CENTERLINE, UNLESS OTHERWISE NOTED.

11. CONSTRUCTION OF THE PROJECT IS DESIGNED TO BE USED ON THE PUBLIC.Right-of-Way. The Project is Designed to be Used on the Public Right-of-Way. The Project is Designed to be Used on the Public Right-of-Way.

12. CONSTRUCTION OF THE PROJECT IS DESIGNED TO BE USED ON THE PUBLIC.Right-of-Way. The Project is Designed to be Used on the Public Right-of-Way. The Project is Designed to be Used on the Public Right-of-Way.

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P AVEMENT STRUCTURAL SECTION NO. 1
PAVED PEDESTRIAN PATH

P AVEMENT STRUCTURAL SECTION NO. 2
DRIVEWAY

EARTHWORK TABLE

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NOTES:

- EXISTING UTILITY POLES AND STRUCTURES ARE TO BE REMOVED FROM THE SITE PRIOR TO THE START OF CONSTRUCTION.
- ALL CARREY AND EARTHWORK SUBSEQUENT TO THE EXCAVATION, EARTHMOVING AND OTHER CONSTRUCTION ACTIVITIES.
- CONSTRUCTION OF THE PROJECT IS DESIGNED TO BE USED ON THE PUBLIC.Right-of-Way. The Project is Designed to be Used on the Public Right-of-Way. The Project is Designed to be Used on the Public Right-of-Way.
NOTES

SEE SHEET 8 FOR LINE AND CURVE DATA

ACCESS RAMP CONTROL POINT

CONCRETE LANDING WITH DETECTABLE WARNING

STRIPE CONTROL POINT
NOTES

See Sheet 8 for Line and Curve Data.

Concrete Landing with Detectable Warning Strip Control Point.
NOTES
SEE SHEET 8 FOR LINE AND CURVE DATA.

CONCRETE LANDING WITH DETECTABLE WARNING
STRIP CONTROL POINT.
NOTES:
SEE SHEET 8 FOR LINE AND CURVE DATA

CONCRETE LANDING WITH DETECTABLE WARNING STRIP CONTROL POINT
1. SITE SHALL BE TREATED FOR FOUNTAIN GRASS, BUFFELGRASS AND OTHER INVASIVE SPECIES PRIOR TO INITIATION OF WORK. SEE SPECIAL PROVISIONS 201-3.04.

2. CONTRACTOR IS RESPONSIBLE FOR THE PRESERVATION OF EXISTING PLANT MATERIALS ACCORDING TO SPECIAL PROVISIONS SECTION 201-3.02. OVERHANGING BRANCHES WITHIN THE RIGHT OF WAY THAT MAY IMPACT CONSTRUCTION SHALL BE PRUNED IN ACCORDANCE WITH SPECIAL PROVISIONS SECTION 201-3.05 AND ITEM #806100.

3. EXISTING TREES ON ADJACENT PRIVATE PROPERTY MAY HAVE OVERHANGING BRANCHES THAT WILL REQUIRE PRUNING. SEE SPECIAL PROVISIONS 201-3.05. NO PRUNING SHALL BE PERFORMED WITHOUT THE NOTIFICATION OF PIMA COUNTY COMMUNITY RELATIONS.

4. WHERE CONSTRUCTION IMPACTS EXISTING LANDSCAPE OR IRRIGATION ENCROACHMENTS WITHIN RIGHT OF WAY, CONTRACTOR SHALL COORDINATE REQUIRED ADJUSTMENTS WITH PROJECT ENGINEER AND ADJACENT PROPERTY OWNERS. SEE ALSO SPECIAL PROVISIONS, ITEM #2020004.

5. CONTRACTOR IS TO INSTALL PRESERVATION FENCING AS DIRECTED BY ENGINEER PRIOR TO CLEARING. LOCATIONS SHOWN ON PLANS SHALL BE ADJUSTED IN THE FIELD AS REQUIRED. PRESERVATION FENCING IS TO REMAIN DURING DURATION OF PROJECT.

6. REMOVAL OF ALL CACTI AND NATIVE PLANTS SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE "ARIZONA NATIVE PLANT LAW", A.R.S. CHAPTER 7. CACTI UNDER THE PROTECTION OF NATIVE PLANT LAWS WILL HAVE BEEN REMOVED PRIOR TO CONSTRUCTION. IF, DURING CONSTRUCTION, ADDITIONAL SAGUARO OR BARREL CACTI WILL BE IMPACTED, CONTRACTOR IS TO CONTACT ELLEN ALSTER, PCDOT SENIOR LANDSCAPE ARCHITECT (520-724-6655 OR ELLEN.ALSTER@PIMA.GOV).

CONTRACTOR IS TO ASSIST PCDOT IN COORDINATING CACTI SALVAGE BY THE PIMA COUNTY NATIVE PLANT NURSERY (CONTACT JESSE BYRD @ 520-488-8022) OR BY THE TUCSON CACTUS AND SUCCULENT SOCIETY 520-256-2447.

PRESERVATION AND CLEARING NOTES

**CALLOUTS:**
- EXISTING VEGETATION WITHIN THE R.O.W. WITH OVERHANGING BRANCHES THAT MAY IMPACT CONSTRUCTION. PRUNE WITH ACCORDANCE IN SPECIAL PROVISIONS 201-3.05 AND ITEM #806100.
- PRESERVATION FENCING. ITEM #2010004.
- RELocate CACTUS SPECIES TO CACTUS TRANSPLANT AREA WITHIN THE R.O.W. AT E. PLAZA ENCANTADA. CONTRACTOR MAY REQUEST ASSISTANCE FROM ELLEN ALSTER, PCDOT SENIOR LANDSCAPE ARCHITECT (520-724-6655 OR ELLEN.ALSTER@PIMA.GOV). PRESERVATION FENCING IS TO REMAIN DURING DURATION OF PROJECT.

- REMOVE PLANT FROM SITE. (RFS) ITEM #2010001
- PRESERVATION FENCING. ITEM #2010004
- REMOVE EXISTING CURB SEE DETAIL E. ITEM #2020001
- REMOVE EXISTING VERTICAL DELINEATORS. ITEM #2020001
- REMOVE EXISTING FENCE SEE DETAIL H. ITEM #2020101
- REMOVE AND STOCKPILE EXISTING RIPRAP. ITEM #9300117
- REMOVE EXISTING SIGN, PROTECT IN PLACE.
- REMOVE EXISTING STRIPPING. ITEM #7010005
- EXISTING VALLEY GUTTER, PROTECT IN PLACE.

**LEGEND:**
- PRESERVATION FENCING
- SECTION LINE / MONUMENT LINE
- PROPERTY LINE
- EXISTING TREE / CACTUS
- OBLITERATE EXISTING STRIPING. ITEM #7010005
- PAVEMENT REMOVAL LIMITS

**PAVEMENT REMOVAL LIMITS:**
- EXISTING CURB
- EXISTING VERTICAL DELINEATORS
- EXISTING RIPRAP
- EXISTING FENCE
- EXISTING VALLEY GUTTER

**PREVIOUS SHEET:**
- REMOVE EXISTING PAVEMENT AND SPEED BUMP.
- ITEM #2010005
- REMOVE AND STOCKPILE EXISTING RIPRAP. ITEM #9300117
- NO PRUNING SHALL BE PERFORMED WITHOUT THE NOTIFICATION OF PIMA COUNTY COMMUNITY RELATIONS.

**NEXT SHEET:**
- CONTRACTOR SHALL Cooperate WITH ADJACENT PROPERTY OWNERS. SEE ALSO SPECIAL PROVISIONS, ITEM #2020004.
1. SITE SHALL BE TREATED FOR FOUNTAIN GRASS, BUFFELGRASS AND OTHER INVASIVE SPECIES PRIOR TO INITIATION OF WORK. SEE SPECIAL PROVISIONS 201-3.04.

2. CONTRACTOR IS RESPONSIBLE FOR THE PRESERVATION OF EXISTING PLANT MATERIALS ACCORDING TO SPECIAL PROVISIONS SECTION 201-3.02. OVERHANGING BRANCHES WITHIN THE RIGHT OF WAY THAT MAY IMPACT CONSTRUCTION SHALL BE PRUNED IN ACCORDANCE WITH SPECIAL PROVISIONS SECTION 201-3.05 AND ITEM #806100.

3. EXISTING TREES ON ADJACENT PRIVATE PROPERTY MAY HAVE OVERHANGING BRANCHES THAT WILL REQUIRE PRUNING. SEE SPECIAL PROVISIONS 201-3.05. NO PRUNING SHALL BE PERFORMED WITHOUT THE NOTIFICATION OF PIMA COUNTY COMMUNITY RELATIONS.

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CALLOUTS:

- EXISTING VEGETATION WITHIN THE R.O.W. WITH OVERHANGING BRANCHES THAT MAY IMPACT CONSTRUCTION, PRUNE IN ACCORDANCE WITH SPECIAL PROVISIONS 201-3.02 AND ITEM #806100.

- PRESERVATION FENCING. ITEM #2010004

- RELocate CACTUS SPECIES TO CACTUS TRANSPLANT AREA, TRANSPLANT AREA TO BE LOCATED WITHIN THE R.O.W. AT E. PLAZA ENCANTADA. ITEM #2010003

- REMOVE PLANT FROM SITE. SEE DETAIL E. ITEM #2010001

- REMOVE EXISTING VERTICAL DEVIATION. ITEM #2010002

- REMOVE EXISTING FENCE SEE DETAIL H. ITEM #3020001

- REMOVE EXISTING PAVEMENT AND SPEED BUMP. ITEM #3020002

- OBLITERATE EXISTING STRIPING. ITEM #7010005

- EXISTING SIGN, PROTECT IN PLACE

- REMOVE AND SALVAGE EXISTING SIGN. ITEM #2010001

- REMOVE AND STOCKPILE EXISTING RIPRAP. ITEM #9300117

- EXISTING RIPRAP, PROTECT IN PLACE.

- EXISTING VALLEY GUTTER, PROTECT IN PLACE.

LEGEND

- PRESERVATION FENCING

- SECTION LINE: MONUMENT LINE

- PROPERTY LINE

- EXISTING TREE/CACTUS

- PRESERVATION FENCING,RIGHT OF WAY

- PROPERTY LINE

- EXISTING TREES/CACTUS

- PRESERVATION FENCING

- PROPERTY LINE

- EXISTING TREE/CACTUS

- PRESERVATION FENCING

- PROPERTY LINE

- EXISTING TREE/CACTUS

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- EXISTING TREE/CACTUS

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- PROPERTY LINE

- EXISTING TREE/CACTUS

- PRESERVATION FENCING
NATIVE PLANT INVENTORY

SHEET 9

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NOTES:
1. DO NOT CREATE A BASIN AT BASE OF PLANT. SLOPE BACKFILL AWAY FROM STEM.
2. SET STEM SUCCULENT SO THAT TOP OF ROOT BALL MATCHES ADJACENT GRADE.
3. THIS DETAIL APPLIES TO NURSERY GROWN STOCK OF THE GENUS OPUNTIA AND FOUQUIERIA.

PLANTING - NURSERY STOCK: PRICKLY PEAR, CHOLLA, AND OCOTILLO (CONTAINER GROWN)

UNDISTURBED SUBGRADE

SCALE: NTS PCDOT 2/03/2012

NOTES:
1. SET MAIN STEM OF CACTUS PLUMB AS VIEWED FROM ALL SIDES.
2. DO NOT CREATE A BASIN AT BASE OF CACTUS. SLOPE BACKFILL AWAY FROM STEM.
3. PLANT SAGUARO WITH SAME ORIENTATION AS IN ORIGINAL LOCATION. MARK NORTH SIDE OF SAGUARO WITH WATER BASED PAINT PRIOR TO START OF SALVAGE WORK.
4. ROOT PRUNE ALL SHREDDED OR DAMAGED ROOTS. TREAT ENTIRE ROOT SYSTEM WITH WETTABLE SULPHUR AND AGRI-MYCIN 17.
5. MOUND AT BASE OF SAGUARO TO BE 4'-6" MAXIMUM IN HEIGHT.
CONSTRUCTION NOTES

1. INSTALL NEW ASPHALT PER PAVEMENT STRUCTURAL SECTION NO. 1, PAVED PEDESTRIAN PATH. ITEM #4060002
2. INSTALL CONCRETE SIDEWALK PER PC STD. DTL. 200*. ITEM #9080201
3. INSTALL CONCRETE LANDING WITH DETECTABLE WARNING STRIP PER DETAIL B, SHEET 14. ITEM #8688010
4. INSTALL NEW SIGN SEE TABLE ON SHEET 16 FOR APPROXIMATE LOCATIONS AND QUANTITIES
5. INSTALL CONCRETE HEADER PER PC STD. DTL. 213*, STA 28+34 TO STA 28+57. ITEM #9080402
6. INSTALL RIPRAP (HAND PLACED) PER DETAIL B, SHEET 14. ITEM #9130008
7. GRADE SHOULDER PER DETAIL C, SHEET 14. ITEM #2050010
8. INSTALL NEW ASPHALT PER PAVEMENT STRUCTURAL SECTION NO. 2, STA 28+34 TO STA 28+57. ITEM #4060002
9. INSTALL CUT-OFF WALL PER DETAIL G, SHEET 15. ITEM #6010712
10. SIDEWALK TO BE FLUSH WITH EXISTING SEWER MANHOLE. CONCRETE SIDEWALK SHALL EXTEND A MINIMUM OF 2' BEYOND EDGE OF MANHOLE.
11. REPLACE EXISTING WITH BOLTED MANHOLE FRAME AND COVER PER STD DTL. RWRD-215, 218. ITEM #5090201

*REFER TO APPENDIX A OF THE SPECIAL PROVISIONS FOR CURRENT PC STANDARD DETAILS
**DETAIL A**
CONCRETE LANDING WITH DETECTABLE WARNING STRIP
ITEM # 9080292

**DETAIL B**
SLOPE STABILIZATION

**DETAIL C**
SHOULDER GRADING FOR FUTURE BIKE LANE

**DETAIL D**
TYPE 2 SCUPPER (MODIFIED)
**NOTES:**
1. SIGN LOCATIONS ARE APPROXIMATE ONLY. CONTACT MICHAEL MOORE WITH PCDOT TRAFFIC (520) 740-6410 FOR ENGINEER TO LOCATE IN FIELD PRIOR TO INSTALLATION.
2. PERFORATED POSTS SHALL BE PAID UNDER ITEM #6070010
3. POST FOUNDATIONS SHALL BE PAID UNDER ITEM #6070110
4. SIGN PANELS SHALL BE PAID UNDER ITEM #6080016

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**TOTAL 154 14 69.75**

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**MANZANITA ELEMENTARY DRIVEWAY SIGNING DETAIL**

**Diagram:**
- A stop sign with a diagonal arrow indicating a school crossing.
- A pedestrian crossing sign with directions for drivers.
- Various traffic signs with directions and warnings.

**Scale:** 1/4" = 1'-0"
1. At start of project, locations of control measures (eg. sediment wattles, logs, berms, etc.) shall be determined in field with Pima County SWPPP Inspector prior to installation.

2. Refer to details for installation of sediment wattles. Included as Appendix B of this SWPPP.

3. Refer to specifications for granite mulch and riprap. Granite mulch to be installed in all disturbed areas of right-of-way.

4. For preservation fencing, refer to demolition plans.

5. Erosion/sediment controls shall be placed on all side slope boundaries only when adjacent side slope is at lower elevation than project area and has potential to receive stormwater runoff. Adjacent slopes at higher elevation than project area do not require perimeter control.

6. Control measures shall be placed to manage-run on stormwater flows where applicable.

7. There are no drywells within project vicinity.

8. There are no impaired waters within 1/4 mile of project.
1. At start of project, locations of control measures (e.g., sediment wattles, logs, berms, etc.) shall be determined in field with Pima County SWPPP inspector prior to installation.

2. Refer to details for installation of sediment wattles, included as Appendix B of this SWPPP.

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5. Erosion/sediment controls shall be placed on all side slopes, boundaries only when adjacent side slope at lower elevation than project area and has potential to receive stormwater runoff adjacent slope at higher elevation than project area does not require perimeter control.

6. Control measures shall be placed to manage run-on stormwater flows where applicable.

7. There are no drywells within project vicinity.

8. There are no impaired waters within 1/4 mile of project.