CANADA DEL ORO NORTH BANK
"BANK PROTECTION"
I-10 TO THORNYDALE

GENERAL DESCRIPTION OF PROJECT
CONSTRUCTION OF APPROXIMATELY 2660 LF OF SOIL BANK PROTECTION ON THE
NORTH SIDE OF THE CDO WASH AND 900 LF OF SOIL CEMENT UNDERPASS AT I-10 AND UPRR.

PROJECT NUMBER
5CDONB

INDEX TO PLAN SHEETS
NOT TO SCALE

AS-BUILT
I HEREBY CERTIFY THAT THE "AS-BUILT" INFORMATION AS SHOWN HEREON IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ACCEPTANCE
P.E.

PIMA COUNTY BOARD OF DIRECTORS
RAMON VALADEZ, CHAIRMAN, DISTRICT 2
ALLY MILLER, DISTRICT 1 SHARON BRONSON, DISTRICT 3
STEVE CRISTY, DISTRICT 4 BETTY VILLEGAS, DISTRICT 5
THIS PROJECT IS LOCATED WITHIN SUPERVISOR DISTRICT 1

INDEX TO PLAN SHEETS
SHT NO.        SHT TYPE             DESCRIPTION
CS1            CS1                  COVER SHEET
GN1 & SC1      GN1                  GENERAL NOTES & SURVEY CONTROL
GN2            GN2                  GENERAL NOTES AND LEGEND
PP1            PLAN + PROFILE
PP2            PLAN + PROFILE
PP3            PLAN + PROFILE
PP4            PLAN (LOT 3 FENDING)
DT1            CIVIL DETAILS
DT2            CIVIL DETAILS
DT3            CIVIL DETAILS
DT4            CROSS SECTIONS
DT5            CROSS SECTIONS
DT6            CROSS SECTIONS
DT7            CROSS SECTIONS
DT8            CROSS SECTIONS
PM1            PAVEMENT MARKING AND KEY
PM2            PAVEMENT MARKING AND NOTES
SWP1           SWPPP AND 404 DISTURBANCE
SWP2           SWPPP AND 404 DISTURBANCE
SWP3           SWPPP AND 404 DISTURBANCE

INDEX TO PLAN SHEETS
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AS-BUILT
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ACCEPTANCE
P.E.
EARTHWORK NOTES
1. STRUCTURAL REINFORCEMENT BEAMS ARE INCISED TO RESPECTIVE ELEVATIONS.
2. EARTHWORK CALCULATIONS FOR BANK PROTECTION ARE BASED ON 2015 PAVEMENT STANDARD SPECIFICATION.

ADDITIONAL GENERAL NOTES WITHIN ADOT R/W
1. LIGHTING SHALL BE DESIGNED AS PER ADOPT 2008 EDITION STANDARD SPECIFICATIONS USING THE ADOPT 2008 EDITION STANDARD SPECIFICATIONS DRAWING GUIDELINES. THE RED UPHOLDING LIGHTS SHALL BE DESIGNED AS PER THE 2008 EDITION STANDARD SPECIFICATIONS DRAWING GUIDELINES. LIGHTING STANDARD DRAWINGS ALONG WITH ALL CURRENT LIGHTING SPECIFICATIONS ARE AVAILABLE FROM ADOT.
2. EARTHWORK NOTES ON THIS SHEET CONFORM TO THE EARTHWORK DRAWING STANDARD 00-3446.

EARTHWORK DATA FOR 2015-012
1. ALL DESIGN STANDARDS, MATERIALS, AND WORKMANSHIP FOR PUBLIC SANITARY SEWER FACILITIES AS SHOWN ON THIS SHEET ARE IN ACCORDANCE WITH THE PCRWRD SSDC 2014, DETAIL NO. 212 - 218.
2. THE CONTRACTOR SHALL CONTACT "ARIZONA BIL" (800-426-7594) THREE (3) BUSINESS DAYS BEFORE STARTING WORK TO CHECK FOR ANY ADDITIONAL REQUIREMENTS OR SWPPP PERMITS. THE COMPLETE FACILITY LOCATION REQUESTS SUBMITTED TO THE ENGINEER Must BE UP TO DATE BEFORE COMMENCING WITH MANHOLE ADJUSTMENT WORK (I.E. REMOVAL OF THE BIL DRAIN SCREEN AND COVER). THE CONTRACTOR SHALL SUBMIT TO THE PCRRWRD OPERATIONS ENGINEER A PCRWRD REPRESENTATIVE ACTION PLAN THAT MAY REQUIRE ADDITIONAL WORK AND INSPECTION BY PCRWRD. IF SUCH CONDITIONS ARE ATTAINED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY PCRRWRD OPERATIONS ENGINEER TO MAKE THE NECESSARY REVISIONS.
3. PRIOR TO COMMENCING WITH MANHOLE ADJUSTMENT WORK E.C. REMOVAL OF THE BIL DRAIN SCREEN AND COVER, THE CONTRACTOR SHALL RECORD LOCATION OF EXISTING DRAIN SCREENS AND BOTH SCREENS AND COVERS TO IDENTIFY ANY SPECIFIED SCREENS AND COVERS THAT MAY REQUIRE ADDITIONAL WORK AND INSPECTION BY PCRWRD. IF SUCH CONDITIONS ARE ATTAINED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY PCRRWRD OPERATIONS ENGINEER TO MAKE THE NECESSARY REVISIONS.
4. PERMIT TO CONSTRUCT FIELD ENGINEERING STANDARD DRAWINGS (C-SERIES). REFER TO THE "A" SHEET FOR A LISTING OF THE PCRWRD SSDC 2016, DETAIL NO. RWRD 212 - 218. COSTS FOR CONSTRUCTION MATERIALS AND RIPRAPP ROCK SHALL BE EMBEDDED TO A DEPTH OF 0.5D W.R.
5. THE CONTRACTOR SHALL FIELD-VERIFY EXISTING SEWER LINE DEVIATIONS AND ACHIEVEMENTS PRIOR TO CONSTRUCTION. MODEL-MAY REQUIRE PUT-HOLDING.
6. IMMEDIATELY REPORT ANY OF THE FOLLOWING TO THE PCRWRD OPERATIONS ENGINEER AT (520) 905-7369: ANY BREAKAGE OF LIVE SEWERS, ANY DISCHARGE TO THE ENVIRONMENT, ANY BREAKAGE OF THE FLOODWAY, ANY VENT HOLES AT THE LIVE SEWERS, ANY VENT HOLES AT THE FLOODWAY, ANY VENT HOLES AT THE WALL, ANY VENT HOLES AT THE #60 CONCRETE BRIDGE AND ANY VENT HOLES AT THE #60 CONCRETE BRIDGE.
7. MODIFICATION TO ADJUSTMENT OF EXISTING PIMA COUNTY SEWER FACILITIES MAY REQUIRE ADDITIONAL WORK AND INSPECTION BY PCRWRD. THE CONTRACTOR SHALL FIELD-VERIFY EXISTING SEWER LINE DEVIATIONS AND ACHIEVEMENTS PRIOR TO CONSTRUCTION. MODEL-MAY REQUIRE PUT-HOLDING.
8. MODIFICATION TO ADJUSTMENT OF EXISTING PIMA COUNTY SEWER FACILITIES MAY REQUIRE ADDITIONAL WORK AND INSPECTION BY PCRWRD. THE CONTRACTOR SHALL FIELD-VERIFY EXISTING SEWER LINE DEVIATIONS AND ACHIEVEMENTS PRIOR TO CONSTRUCTION. MODEL-MAY REQUIRE PUT-HOLDING.
9. THE CONTRACTOR SHALL FIELD-VERIFY EXISTING SEWER LINE DEVIATIONS AND ACHIEVEMENTS PRIOR TO CONSTRUCTION. MODEL-MAY REQUIRE PUT-HOLDING.
10. THE CONTRACTOR SHALL FIELD-VERIFY EXISTING SEWER LINE DEVIATIONS AND ACHIEVEMENTS PRIOR TO CONSTRUCTION. MODEL-MAY REQUIRE PUT-HOLDING.
11. AFTER THE COMPLETION OF AVENUE WORK, THE CONTRACTOR SHALL VERIFY THAT ALL SANITARY SEWER FACILITIES SHOWN ON THIS SHEET ARE CORRECT. PIMA COUNTY WASTEWATER RECLAMATION DEPARTMENT (PCC) ENGINEERING DESIGN STANDARDS CONFORM TO THE PCRWRD SSDC 2014, DETAIL NO. 212 - 218. ANY ADDITIONAL REQUIREMENTS OR SWPPP PERMITS MUST BE UP TO DATE BEFORE COMMENCING WITH MANHOLE ADJUSTMENT WORK E.C. REMOVAL OF THE BIL DRAIN SCREEN AND COVER. THE CONTRACTOR SHALL FIELD-MARK AND COVER ALL SANITARY SEWER FACILITIES PRIOR TO THE PCRRWRD INSPECTOR TO SCHEDULE A TIME TO DELIVER THE SALVAGED BIL DRAIN SCREENS AND COVERS.
12. ALL STORM WATER POLLUTION PREVENTION PLAN (SWPPP) MEASURES SHALL BE INSTALLED PRIOR TO STARTING WORK. STORM WATER MANAGEMENT PRINCIPLES AND PCB CREATION OF "AS-BUILT" INFORMATION AS SHOWN HEREIN IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

GENERAL SEWER NOTES FOR 2015-012
1. ALL DESIGN STANDARDS, MATERIALS, AND WORKMANSHIP FOR PUBLIC SANITARY SEWER FACILITIES AS SHOWN ON THIS SHEET ARE IN ACCORDANCE WITH THE PCRWRD SSDC 2014, DETAIL NO. 212 - 218.
2. THE CONTRACTOR SHALL FIELD-VERIFY EXISTING SEWER LINE DEVIATIONS AND ACHIEVEMENTS PRIOR TO CONSTRUCTION. MODEL-MAY REQUIRE PUT-HOLDING.
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4. IMMEDIATELY REPORT ANY OF THE FOLLOWING TO THE PCRWRD OPERATIONS ENGINEER AT (520) 905-7369: ANY BREAKAGE OF LIVE SEWERS, ANY DISCHARGE TO THE ENVIRONMENT, ANY VENT HOLES AT THE LIVE SEWERS, ANY VENT HOLES AT THE FLOODWAY, ANY VENT HOLES AT THE WALL, ANY VENT HOLES AT THE #60 CONCRETE BRIDGE AND ANY VENT HOLES AT THE #60 CONCRETE BRIDGE.
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8. THE CONTRACTOR SHALL FIELD-VERIFY EXISTING SEWER LINE DEVIATIONS AND ACHIEVEMENTS PRIOR TO CONSTRUCTION. MODEL-MAY REQUIRE PUT-HOLDING.
10. ALL STORM WATER POLLUTION PREVENTION PLAN (SWPPP) MEASURES SHALL BE INSTALLED PRIOR TO STARTING WORK. STORM WATER MANAGEMENT PRINCIPLES AND PCB CREATION OF "AS-BUILT" INFORMATION AS SHOWN HEREIN IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
I HEREBY CERTIFY THAT THE "AS-BUILT" INFORMATION AS SHOWN HEREBIN IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
Call at least two full working days before you begin excavation.

Dial 8-1-1 or 1-800-STAKE-IT (782-5348)

In Maricopa County: (602) 263-1100

SHEET             OF
OF

MAINTENANCE ACCESS RAMP TYPICAL SECTION
STA. 161+40 TO 163+33

BANK PROTECTION AND PATHWAY TYPICAL SECTION
STA. 180+67 TO 185+73

I HEREBY CERTIFY THAT THE "AS-BUILT" INFORMATION AS SHOWN HEREIN IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Scales:
HORZ: 1:1
VERT: 1:1

CIVIL DETAILS
EXISTING FLOW LINE
EXISTING FLOW LINE

SD=8' MIN.

1.5'

1.0% 1.0%

1:1

DAYLIGHT TO EXISTING

NEW SOIL CEMENT

NEW SOIL CEMENT

BACKFILL AND RE-COMPACT TO 85% MIN.

BACKFILL AND RE-COMPACT TO 85% MIN.

SD=8' MIN.

2*SD

BACKFILL AND RE-COMPACT TO 85% MIN.

BACKFILL AND RE-COMPACT TO 85% MIN.

1.0% 1.0%

1:1

BARRICADE RAILING PER PAG STD DTL 105

BARRICADE RAILING PER PAG STD DTL 105

BARRICADE RAILING PER PAG STD DTL 105

BARRICADE RAILING PER PAG STD DTL 105

16' PAVED PATH

20'

2'

1.5'

1.0% 1.0%

1:1

9'

9'

1.5'

COMPACT TO 95% MAXIMUM DENSITY

COMPACT TO 95% MAXIMUM DENSITY

PAVEMENT SECTION
PER DETAIL 3, SHEET DET8

PAVEMENT SECTION
PER DETAIL 3, SHEET DET8

16' PAVED MULTI-USE PATH

4:1 MAINTENANCE ACCESS

DAYLIGHT TO EXISTING

EXISTING FLOW LINE

EXISTING FLOW LINE
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NOTE: CROSS-SECTIONS ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE N.I.C. (NOT IN CONTRACT).
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NOTE: CROSS-SECTIONS ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE N.I.C. (NOT IN CONTRACT).

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Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100
STRIPING GENERAL NOTES
1. ALL EQUIPMENT/MATERIALS AND CONSTRUCTION SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS CONTAINED IN THE CURRENT PIMA COUNTY OF UTOPIA (PC) STANDARD SPECIFICATIONS AND THE STANDARD DETAILS FOR PUBLIC IMPROVEMENTS, THE SPECIAL, PROVIDING AND THE APPROVED PLANS. ALL PAINTED MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE PC/COT STANDARD SPECIFICATIONS.

2. THE STRIPING CONTRACTOR SHALL CONTACT THE PIMA COUNTY PAVEMENT MARKING SUPERVISOR AT LEAST THREE WORKING DAYS IN ADVANCE OF ANY PAVEMENT PAINTING TO ENSURE THAT THE CONTRACTOR HAS THE NECESSARY AUTHORIZATION TO THE CONTRACTOR TO PROCEED WITH INSTALLING ALL PAINTED MARKINGS AND ASSOCIATED REFLECTIVE LONGLINE MARKINGS.

3. UPON APPROVAL OF THE PAINTED MARKING LAYOUT, THE PIMA COUNTY PAVEMENT MARKING SUPERVISOR SHALL MEET WITH THE CONTRACTOR TO DISCUSS THE INSTALLATION OF THE PAVEMENT MARKING LAYOUT.

4. THE PERMANENT PAINTED MARKINGS MAY BE MODIFIED AS DIRECTED AND APPROVED BY THE TRAFFIC ENGINEER OF HIS DESIGN.

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

6. THE PAINTED MARKING DRAWINGS ARE SCHEMATIC ONLY. THE CONTRACTOR SHALL PROVIDE ALL REASONABLE APPLICABLE MARKINGS AND CONSTRUCTION TO DETERMINE THE LOCATION AND PROPER INSTALLATION OF PAINTED PAVEMENT MARKING, SYMBOLS, LEGENDS AND MARKERS.


8. PAVEMENT MARKING QUANTITIES

9. THE FINAL LONETUDINAL STRIPING SHALL BE REFLECTORIZED TRAFFIC PAINT STRIPING PLACED OVER THE PAINTED LAYOUT STRIPING WITHIN 21 TO 30 CALENDAR DAYS OF THE FINAL PAVEMENT SURFACE BEING COMPLETED. ALL PREVIOUSLY APPLIED LONETUDINAL MARKINGS SHALL BE APPLIED DURING THE FINAL LONETUDINAL STRIPING.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF PAINTED MARKINGS ON THE FINAL PAVEMENT SURFACE CONSISTING OF LONG LINE STRIPING CONSISTING OF THE CENTER OF DOUBLE LANE LINE, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF PAINTED MARKINGS ON THE FINAL PAVEMENT SURFACE CONSISTING OF ALL REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH SECTION 701 OF THE PC/COT STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS. THE SPECIAL, PROVIDING AND THE APPROVED PLANS. ALL PREVIOUSLY EXEMPTED LONGLINE MARKINGS SHALL BE COMPLETED. ALL PREVIOUSLY APPLIED LONETUDINAL MARKINGS SHALL BE COMPLETED.


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In Maricopa County: (602) 263-1100

MATCHLINE - SEE PREVIOUS SHEET BOTTOM

I HEREBY CERTIFY THAT THE "AS-BUILT" INFORMATION AS SHOWN HEREON IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Scales: 1"=40'

PM2 PM2
12 12
16 16
20 20

MATCHLINE - SEE PREVIOUS SHEET BOTTOM

I HEREBY CERTIFY THAT THE "AS-BUILT" INFORMATION AS SHOWN HEREON IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
SWPP Notes (cont'd)

Temporary Construction Erosion Control

404 Jurisdictional Disturbance Notes

1. CONSTRUCTION TO COMPLY WITH COUNTY SWPPS DESIGN ARE IN THE FIRST
   STAGE OF THE PROJECT, BEFORE PLACEMENT OF ANY BMP
   MEASURES, PROVIDE FOR THE USE OF PERMANENT ACTIVITY.

2. BMP MEASURES SHALL BE PLACED IN A MANNER THAT WILL RESTRICT
   OR LIMIT INGRESS AND EGRESS ACCESS TO ADJACENT INDIVIDUAL
   AREAS OUTSIDE THE LIMITS OR ADJACENT TO THIS PROJECT.

3. THERE ARE NO LIMITS WITHIN THE LIMITS OR ADJACENT TO THIS PROJECT.

4. BMP MEASURES PROVIDED IN THE LEGEND ARE TO BE SELECTED BY THE
   PROJECT CONTRACTOR, WHERE CHOICES PROVIDED. ADDITIONAL BMP
   MEASURES PROVIDED FOR USE, WHERE APPROPRIATE, AT APPENDIX A
   OF THE PROJECT SPECIFIC SWPPS NARRATIVE.

5. CONSTRUCTION ENTRANCES/EXIT

NOTE: ALL DISTURBED AREAS TO BE STABILIZED PRIOR TO PROJECT
CONSTRUCTION. THIS STABILIZATION IS NOT LIMTED TO THE AREAS SHOWN ON THIS PLAN.

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HEREON IS CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF.
404 JURISDICTIONAL DISTURBANCE NOTES

1. THE PROJECT DISTURBANCES ARE UNDER THE NARRATIVE GENERAL PERMIT 13 FOR BANK STABILIZATION.

2. ACTIVITY COMPLETED UNDER THE PERMIT MUST MAINTAIN THE PROJECT AREA HYDROSEEDED, SEEDED, OR COVERED WITH EROSION CONTROL MATERIALS FOR THE PREDICTED RAINFALL AND FLOW CONDITIONS FOR THE LENGTH OF TIME TO MEET THE Projects Minimum Velocity Dissipation BMPs until the project area is stabilized in their entirety and the affected areas returned to the construction elevations.

3. NO MATERIAL MAY BE PLACED IN EXCESS OF THE MINIMUM REQUIREMENTS FOR BRIDGING PROTECTION.

4. NO MATERIAL MAY BE PLACED IN A MANNER THAT WILL BE REMOVED BY WAVE ACTION OR UNEXPECTED HIGH FLOWS.

5. THIS ACTIVITY MAY NOT BE A STREAM CHANNELIZATION ACTIVITY.

6. THIS ACTIVITY DOES NOT INVOLVE DISCHARGES OF OPERATIONAL WATER MANAGEMENT INTO SPECIAL Aquatic Sites.

7. THIS ACTIVITY WILL NOT IMPACT THE DEFINED 404 JURISDICTIONAL AREA FOR A CONTINUOUS LENGTH IN EXCESS OF 500 FEET FOR ANY PORTION OF THE PROJECT ACTIVITY.

8. TOTAL 404 DISTURBANCE RELATED TO THE BANK PROTECTION ACTIVITY IS EQUAL TO APPROXIMATELY 7,760 FT (31.6 ACRE).