LANDSCAPE NOTES:

1. ALL WORK SHALL BE CONFINED TO LIMITS OF CONSTRUCTION AS SHOWN ON PLANS.

2. ALL PLANT QUANTITIES TO BE VERIFIED PRIOR TO PROCUREMENT. QUANTITIES SHOWN ON LEGEND ARE FOR REFERENCE ONLY. IN CASE OF DISCREPANCY, QUANTITIES SHOWN ON PLAN WILL PREVAIL.

3. INSTALL PLATING MATERIAL IN ALL PLANTING AREAS (NON-PAVED AREAS) TO REDUCE DUST POLLUTION. REFER TO PLANS AND TO SPECIFICATIONS.

4. CONTRACTOR SHALL PROTECT PLANTS TO BE PRESERVED-IN-PLACE DURING CONSTRUCTION. ALL AREAS TO REMAIN UNDISTURBED AND PLANTS DESIGNATED TO BE PRESERVED-IN-PLACE SHALL BE FENCED OFF. FENCING WILL REMAIN IN PLACE FOR THE DURATION OF CONSTRUCTION ACTIVITIES.

5. ALL TREES SHALL BE LOCATED A MINIMUM OF 8'-0" FROM GAS LINES AND 10'-0" FROM WATER LINES.

6. TREES SHALL BE LOCATED A MINIMUM OF 10'-0" FROM SEWER LINES. MAINTAIN A 16'-0" CLEAR ACCESS PATH TO ALL MANHOLES. NO TREE SHALL BE LOCATED WITHIN 16'-0" OF A MANHOLE. REFER TO PIMA COUNTY WASTEWATER MANAGEMENT STANDARD DETAILS RWRD 111 AND RWRD 112 FOR ADDITIONAL INFORMATION REGARDING PLANTING ADJACENT TO SEWER LINES.

7. DEVIATION FROM THESE PLANS AND NOTES WITHOUT THE PRIOR CONSENT OF THE PROJECT ENGINEER MAY BE CAUSE FOR THE WORK TO BE DESIGNATED UNACCEPTABLE.

8. THE CONTRACTOR ACKNOWLEDGES & AGREES THAT THE WORK IS ENTIRELY AT THEIR RISK UNTIL SITE IS ACCEPTED, AND THEY WILL BE HELD RESPONSIBLE FOR ITS SAFETY BY THE OWNER.

9. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ALL MUD, DIRT, ROCK MULCH, AND OTHER MATERIALS TRACKED ONTO ANY PRIVATE OR PUBLIC STREETS OR SIDEWALKS. THE CONTRACTOR MUST CLEAN THESE DAILY, IF NECESSARY. THE CONTRACTOR MUST USE WATER OR OTHER ACCEPTABLE METHODS TO KEEP AIRBORNE DUST TO A REQUIRED MINIMUM.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE RESULTING FROM CONSTRUCTION ACTIVITY TO EXISTING ELEMENTS THAT ARE TO REMAIN.

11. THESE LANDSCAPE PLANS ARE DESIGNED TO MEET THE REQUIREMENTS AND INTENTIONS OF THE PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT'S SECTION 7.7 OF THE ENGINEERING DESIGN STANDARDS AND STANDARD DETAILS RWRD 111 AND RWRD 112, LATEST EDITION.

12. IF NEW LANDSCAPING IS TO BE PLANTED NEAR A DESIGNATED BUS STOP, THE LANDSCAPING ON APPROACH TO BUS STOP WILL BE LOW FOR VISIBILITY OF RIDERS SITTING AT THE BUS STOP. TREES AND LARGER LANDSCAPING TO BE ON THE BACK OR FAR SIDE OF THE BUS STOP AS TRAVELING ON ROADWAY OR SIDEWALK.

13. REMOVAL OF TRESS, INCLUDING STUMPS, SHOWN ON PLANS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE PAID FOR UNDER ITEM #2010020.

PLANT LEGEND:

TREES

SYMBOL	BOTANICAL NAME COMMON NAME	QTY.	SIZE	GPH
	CHILOPSIS LINEARIS DESERT WILLOW	03	15 GAL.	6
	EXISTING TREE TO REMAIN	6	--	--

SHRUBS/ACCENTS

SYMBOL	BOTANICAL NAME COMMON NAME	QTY.	SIZE	GPH
*	AGAVE PALMERI PALMER'S AGAVE	07	1 GAL.	1
*	DASYLIRION WHEELERI DESERT SPOON	04	5 GAL.	1

MISC. LANDSCAPE MATERIALS

SYMBOL	PRODUCT	QTY.
	DECOMPOSED GRANITE (DESERT BROWN 3/4" MINUS) 3	2,355 SF
	RIPRAP (D_{50}=9"), 1'-0" DEPTH) 3	1,900 SF 3

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
3	UPDATED PRODUCTS AND QUANTITIES	JPR	10/26

Registered Landscape Architect
CERTIFICATE NO.
50732
REBECA V. FIELD
Date Signed 10/20/26
ARIZONA USA

	NAME	DATE
DESIGN	EMH	08/26
DRAWN	EMH	08/26
CHECKED	RVF	08/26

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ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGEMENT GROUP

LANDSCAPE NOTES

ROUTE SR 80
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	0000 CH BIS	BIS-0(207)T	32	45	

LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE

DWG NO. R-03.01

TRACS NO. T0621 01C

____ OF____

GENERAL NOTES

Construction Specification - Arizona Department of Transportation Standard Specification for Road & Bridge Construction, Edition of 2021.

Design Specifications -
AASHTO LRFD Bridge Design Specifications, 8th Edition 2017.

The site is classified as:
Seismic Zone 1, Site Class D with peak ground acceleration (PGA) (A_s) = 0.077g and spectral acceleration coefficients: at Period 0.2 sec (S_{DS}) = 0.286g, and at Period 1.0 sec (S_{D1}) = 0.122g.

All concrete shall be Class "S" unless otherwise noted. All cement shall be Type V cement for high sulfate resistance.

Strengths:
Structural Concrete in Drilled Holes..... 3.0 ksi
Soldier Pile Facing and Coping..... 4.0 ksi
Other Retaining Walls.....3.0 ksi
Lean Concrete in Drilled Holes.....2-Sack Slurry
Concrete Drain (Class 'B')..... 2.5 ksi

Reinforcing steel shall conform to ASTM Specification A615. All reinforcing shall be furnished as Grade 60.

All bends & hooks shall meet the requirements of AASHTO LRFD, 8th Edition Artical 5.10.2. All bend dimensions for reinforcing steel shall be out-to-out of bars. All placement dimensions for reinforcing steel shall be to center of bars unless noted otherwise.

All reinforcing steel shall have 2 inch clear cover unless noted otherwise.

All mechanical splices shall conform to the requirements for mechanical connection in section 605-3.02 of the Specifications.

Structural Timber shall be Treated Douglas Fir Grade 2 or better and shall be Full Sawn.

Steel Soldier Piles shall conform to ASTM A572/A572M Grade 50, and shall be painted with two shop coats (primer) in accordance with the Specifications.

Chamfer all exposed corners ¾" unless noted otherwise.

Dimensions shall not be scaled from drawings.

Utilities - The contractor shall coordinate all existing conditions during construction of project. Utility information & locations shown on the plans are approximate & may not be complete or accurately depict the location of the facilities shown. The contractor shall coordinate the location of the facilities shown. The contractor shall coordinate the location of all existing, new, relocated, & abandoned utilities with the project plans & notify respective owners before commencing the work of excavation & any temporary shoring construction. Conflicts shall be brought to the attention of the Engineer & resolved prior to proceeding with the work. See roadway & utility drawings for additional information.

Temporary shoring - The contractor shall be responsible for providing temporary shoring as required to maintain traffic, to protect utilities, for protection of workers, or as otherwise needed to accomplish the work. The contractor shall submit a plan outlining construction procedures, shoring requirements, & design to the Engineer for review & approval prior to proceeding with the work. See section 105.03 of the Standard Specifications for additional information.

GENERAL NOTES

Geometry for all retaining walls is referenced to the Wall Layout Line.

Length of wall segments is measured along the Wall Layout Line.

Refer to roadway dawings for flowline elevations, roadway horizontal alignment, & roadway typical section information.

Soldier pile excavations may encounter caving and/or sloughing of the native soils and harder rock at depth. Temporary casing, slurry, and/or rock bits may be needed to advance soldier piles/drilled shafts.

Drilled shaft construction shall be in accordance with Section 609 of the Specifications and the project-specific special provisions. Integrity testing of the drilled shafts is not required.

For additional geotechnical data, refer to the approved Final Geotechnical Exploration Report prepared by Ethos Engineering, LLC, Project No. 2025025 dated April 3, 2026.

The contractor shall provide shop drawings of the retaining walls to the Engineer for review and approval in accordance with Section 105.03 of the Specifications.

CJ = Contraction Joint
EJ = Expansion Joint
Elev = Elevation
L.O.L. = Wall Layout Line
PC = Point of Curve
PT = Point of Tangent

INDEX OF DRAWINGS

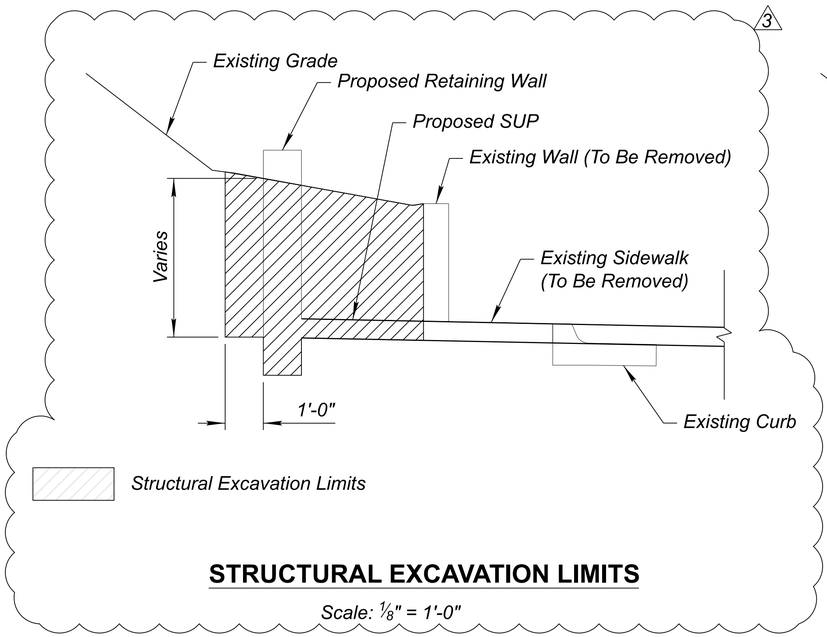
DWG NO	TITLE
S-1.01	GENERAL NOTES & QUANTITIES
S-1.02-S-1.06	RETAINING WALL DETAILS
S-1.07-S-1.09	PLAN & PROFILE - RW1
S-1.10	PLAN & PROFILE - RW2

RETAINING WALL APPROXIMATE QUANTITIES

	RW1	RW2
Soldier Pile Wall	2,720 SF	N/A
Concrete Wall	171 SF	86 SF
Drilled Hole*	656 LF	N/A
Timber Lagging*	13 MFBM	N/A
Structural Concrete*	131 CY	9 CY
Lean Concrete Backfill*	58 CY	N/A
Structural Excavation*	440 CY	19 CY
Structural Backfill*	8 CY	4 CY
Structural Steel*	41,625 lbs	N/A
Reinforcing Steel*	16,550 lbs	1,350 lbs
Place Dowels*	4 EA	10 EA
Remove Wall**	292 LF	15 LF

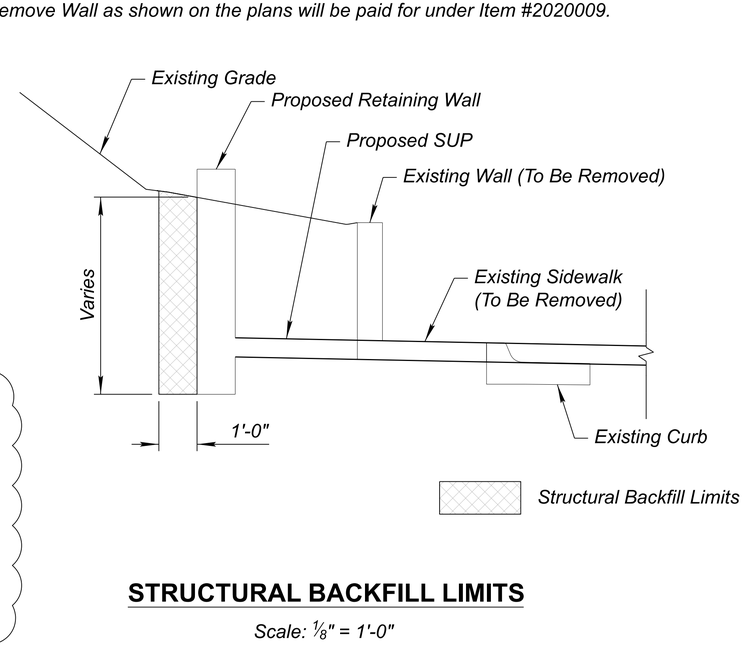
**The quantities for these items are for informational purposes only and shall be paid for under Items #9140121 and #9140153.*
***Remove Wall as shown on the plans will be paid for under Item #2020009.*

3



STRUCTURAL EXCAVATION LIMITS

Scale: ⅛" = 1'-0"



STRUCTURAL BACKFILL LIMITS

Scale: ⅛" = 1'-0"

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
3	UPDATED EXCAVATION AND BACKFILL LIMITS	JPR	10/26

Registered Professional Engineer (Civil) — 60164 NATHAN MERRILL — Date Signed 10/19/26 — ARIZONA U.S.A.

	NAME	DATE
DESIGN	JPR	08/26
DRAWN	JPR	08/26
CHECKED	NLM	08/26

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ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
BRIDGE GROUP

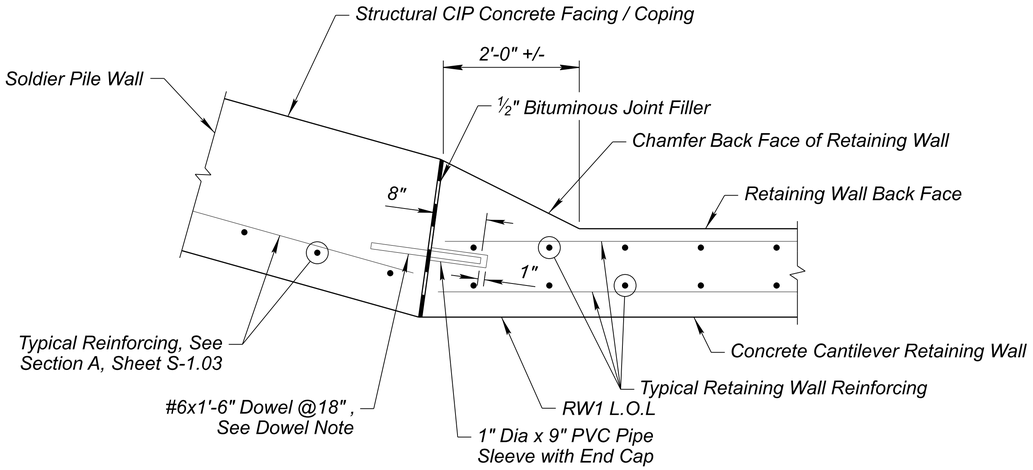
MAIN STREET
RETAINING WALL DETAILS
GENERAL NOTES & QUANTITIES

ROUTE SR 80
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	0000 CH BIS	BIS-0(207)T	36	45	

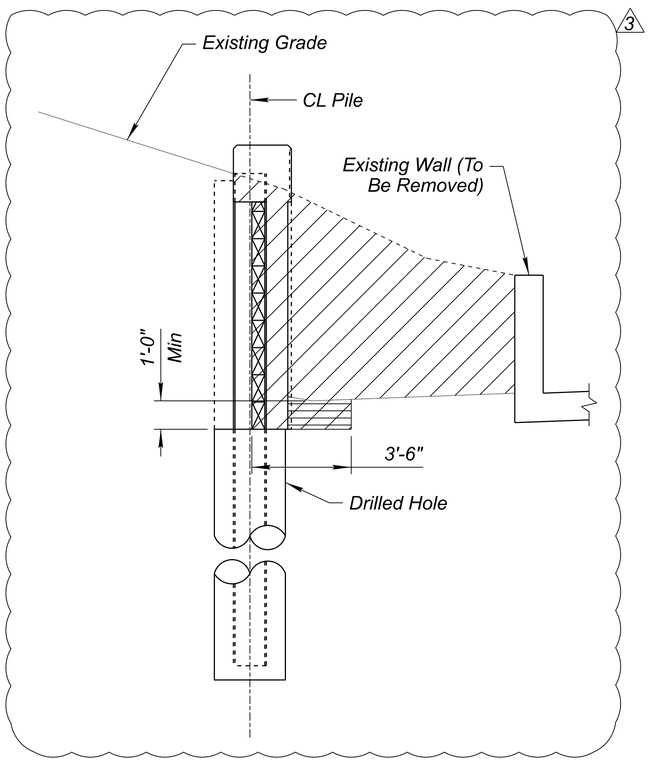
LOCATION SR 80; QUEEN MINE TOUR - OLD BISBEE
DWG NO. S-1.01
TRACS NO. T0621 01C
___ OF ___

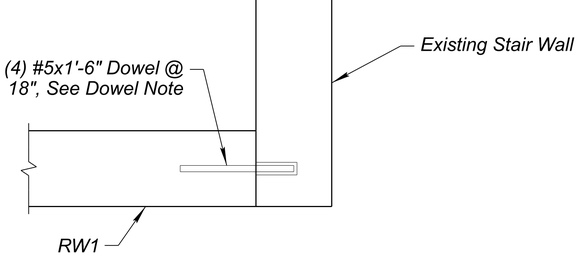
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WALL TRANSITION DETAIL

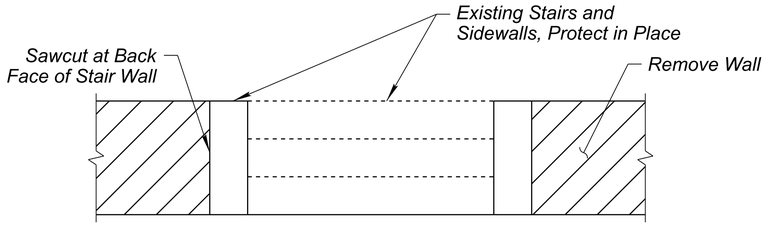
Scale: 1" = 1'-0"





STAIR WALL CONNECTION DETAIL

Scale: 1" = 1'-0"
(RW1 Shown, RW2 Similar)



WALL REMOVAL DETAIL AT STAIRS

Scale: 1" = 1'-0"

STRUCTURAL EXCAVATION AND BACKFILL LIMITS

Scale: 3/8" = 1'-0"

Structure Backfill

Structural Excavation

DOWEL NOTE
Drill 7/8" diamter hole 6" deep for #5 dowel. Epoxy dowel in hole with an approved epoxy adhesive. Epoxy anchorage shall develop a tensile pullout strength of 9 kips for #5 dowels.

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
3	UPDATED EXCAVATION AND BACKFILL LIMITS	JPR	10/26

Registered Professional Engineer, Date Signed 10/20/26, 60164, NATHAN MERRILL, ARIZONA, U.S.A.

	NAME	DATE
DESIGN	JPR	08/26
DRAWN	JPR	08/26
CHECKED	NLM	08/26

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ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
BRIDGE GROUP

MAIN STREET
RETAINING WALL DETAILS
STRUCTURAL DETAILS

ROUTE SR 80
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	0000 CH BIS	BIS-0(207)T	40	45	

LOCATION SR 80; QUEEN MINE TOUR - OLD BISBEE

DWG NO. S-1.05

TRACS NO. T0621 01C

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