

# FLOREO AT TERAVALIS SUN VALLEY PARKWAY PAVING PLAN BUCKEYE, ARIZONA

A PORTION OF THE SOUTH HALF OF SECTION 17, TOWNSHIP 3 NORTH, RANGE 4 WEST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA

TC202200170

## ENGINEER

HILGARTWILSON, LLC  
2141 E. HIGHLAND AVENUE SUITE 250  
PHOENIX, AZ 85016  
PHONE: (602) 490-0535  
FAX: (602) 368-2436  
CONTACT: JOSHUA ROBINSON  
EMAIL: JROBINSON@HILGARTWILSON.COM

## LANDSCAPE ARCH.

ABLA  
310 EAST RIO SALADO PARKWAY  
TEMPE, ARIZONA 85281  
CONTACT: BRIAN ROGERS  
PHONE: (480)-530-0387  
EMAIL: BRIAN.ROGERS@ABLASTUDIO.COM

## OWNER/DEVELOPER

TRILLIUM LAND COMPANY, LLC  
9950 WOODLOCH FOREST DRIVE, SUITE 1100  
THE WOODLANDS, TX 77380  
EMAIL: HEATH.MELTON@HOWARDHUGHES.COM  
EMAIL: BHINTON@ELDORADOHOLDINGS.NET

## SHEET INDEX

CV01	COVER SHEET
DT01-05	NOTES & DETAILS
PV01-04	PAVING PLAN & PROFILE SHEETS
SD01-03	STORM DRAIN PROFILES

## BASIS OF BEARING

THE NORTH LINE OF NORTHEAST QUARTER OF SECTION 17, TOWNSHIP 1 SOUTH, RANGE 2 WEST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA. BEARING SOUTH 89°55'49" EAST

## STORMWATER POLLUTION PREVENTION STATEMENT

1.) SWPPP IS REQUIRED PRIOR TO PERMIT BEING ISSUED FOR CONSTRUCTION.  
2.) DUST CONTROL PERMIT IS REQUIRED PRIOR TO PERMIT BEING USED FOR CONSTRUCTION.

## BENCHMARK

MCDOT POINT NO. 30527-1, BEING A 3" BRASS CAP IN HANDHOLE, LOCATED AT THE INTERSECTION OF ELLIOT ROAD & RAINBOW VALLEY ROAD HAVING AN ELEVATION OF 919.785' (NAVD88)

## APPROVALS

### DISCLAIMER:

THE CITY APPROVES THESE PLANS FOR CONCEPT ONLY AND ACCEPTS NO LIABILITY FOR ERRORS & OMISSIONS.

BY: \_\_\_\_\_ DATE \_\_\_\_\_  
CITY OF BUCKEYE

BY: \_\_\_\_\_ DATE \_\_\_\_\_  
MARICOPA COUNTY  
DEPARTMENT OF TRANSPORTATION

## LOCATION FOR AS-BUILT INDEXING

A PORTION OF THE SOUTH HALF OF SECTION 17, TOWNSHIP 3 NORTH, RANGE 4 WEST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA

## ROADWAY CLASSIFICATION:

PARKWAY PER THE MCDOT MAJOR STREETS AND ROUTES PLAN

## POSTED SPEED:

55 MILES PER HOUR

## AVERAGE DAILY TRAFFIC (ADT):

CURRENT ADT SUN VALLEY PARKWAY: 1,606 TRIPS

## CLEAR ZONE DISTANCE:

PER AASHTO ROADWAY DESIGN GUIDE, CLEAR ZONE = 20'

## AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT I HAVE REVIEWED THE "AS-BUILT" FOR THE ABOVE REFERENCED PROJECT AND CERTIFY THAT THE PROJECT HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE APPROVED IMPROVEMENT PLANS AND REVISIONS THAT IT WILL FUNCTION AS DESIGNED AND PERMITTED.

REGISTERED CIVIL ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

I HEREBY CERTIFY THAT THE "RECORD DRAWING" MEASUREMENTS AS SHOWN HEREON WERE MADE UNDER MY SUPERVISION OR AS NOTED ARE CORRECT TO THE BEST OF MY KNOWLEDGE.

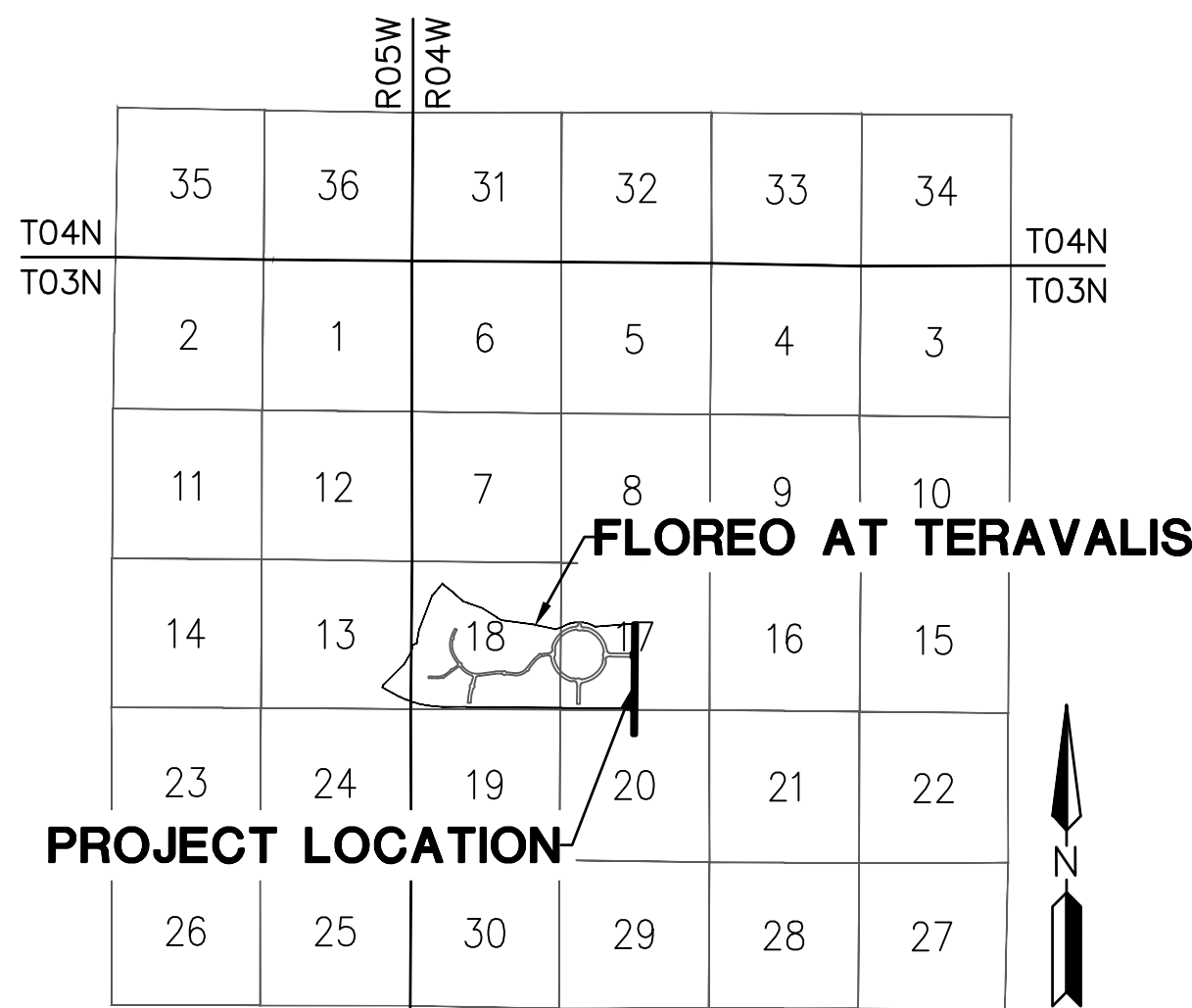
REGISTERED SURVEYOR \_\_\_\_\_ DATE \_\_\_\_\_

## ENGINEERS DECLARATION OF RESPONSIBLE CHARGE STATEMENT AS FOLLOWS:

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION R4-30-301 OF THE RULES OF THE ARIZONA STATE BOARD OF TECHNICAL REGISTRATION, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS. I UNDERSTAND THAT THE CHECK OF THE PROJECT DRAWINGS AND SPECIFICATIONS BY MARICOPA COUNTY CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.

## FEMA FLOOD ZONE DESIGNATION

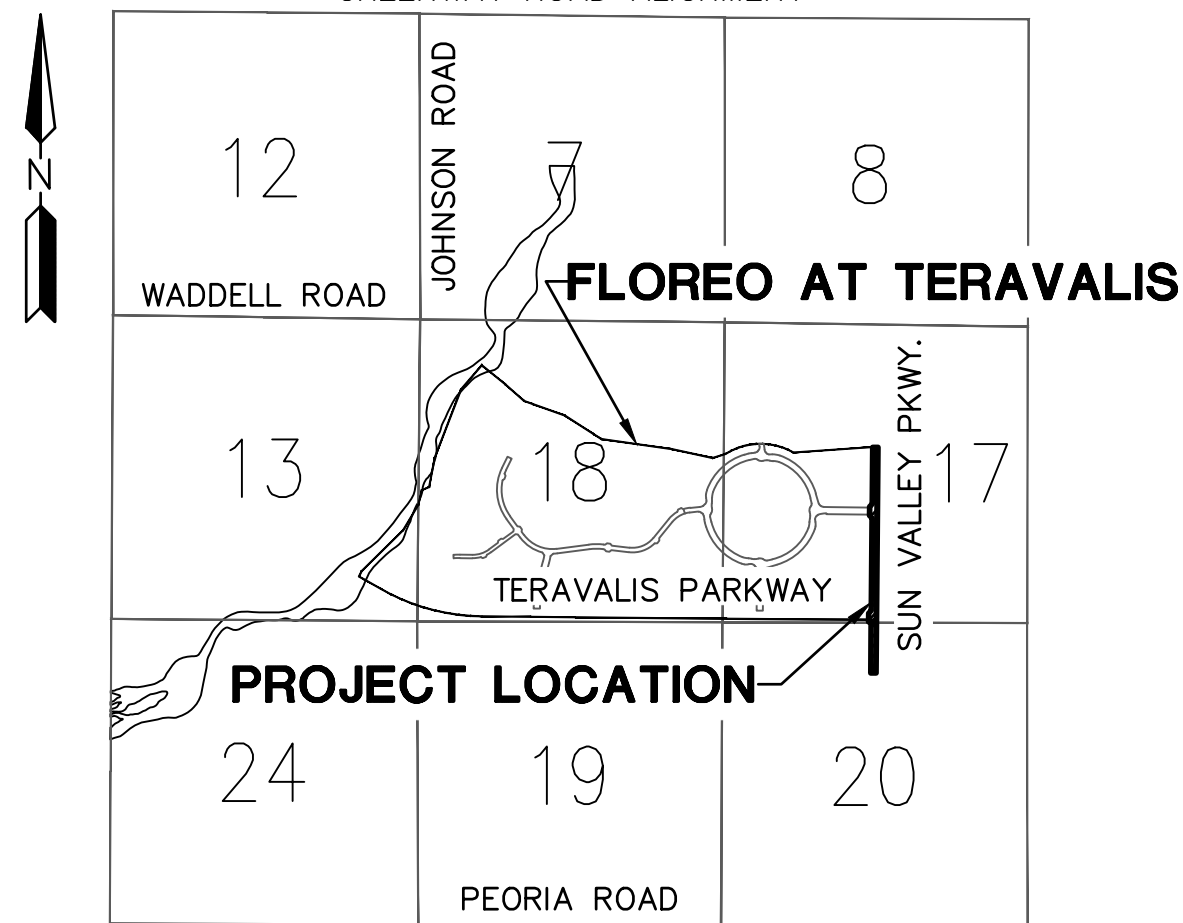
COMMUNITY NUMBER	PANEL #	SUFFIX	DATE OF FIRM (INDEX DATE)	FIRM ZONE
040039	1610	L	10/16/2013	AE, A, X
	10/16/2013			



## VICINITY MAP

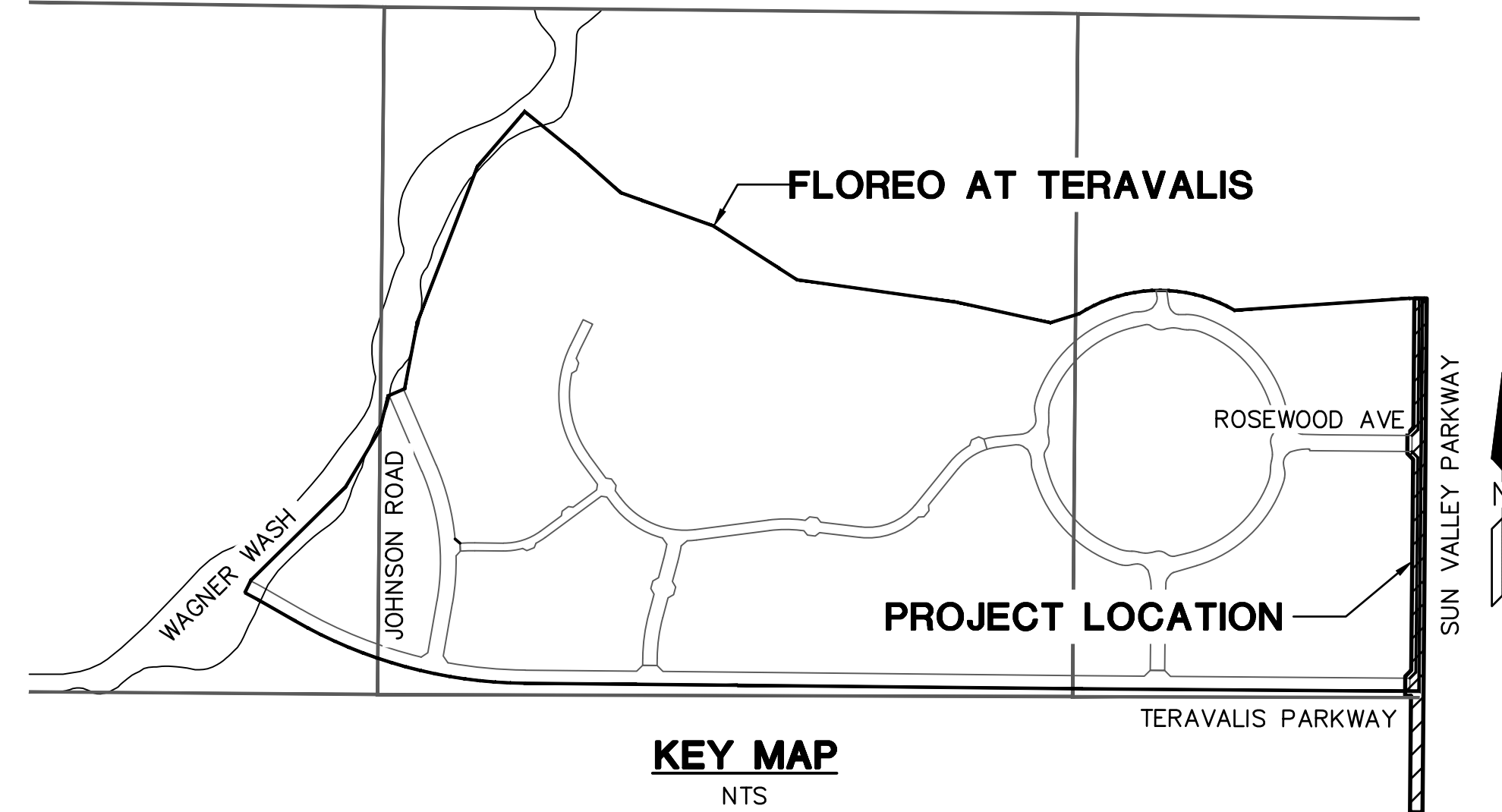
NTS

GREENWAY ROAD ALIGNMENT



## LOCATION MAP

NTS



## KEY MAP

NTS

## ENGINEERS ESTIMATED PUBLIC QUANTITIES

NOTE: ENGINEERS ESTIMATED QUANTITIES ARE NOT FOR BIDDING PROPOSES. CONTRACTOR SHALL BASE THEIR BID ON THEIR OWN QUANTITY TAKEOFFS.

### PAVING CONSTRUCTION

- |                                 |  |          |    |   |         |
|---------------------------------|--|----------|----|---|---------|
| 1                               | INSTALL SURVEY MONUMENT PER MAG STD DTL 120 TYPE "A".  | 2 EA     | 20 | INSTALL LOOSE RIP-RAP D50=6", THICKNESS 12" ON FILTER FABRIC, MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUIVALENT. COLOR PER DEVELOPER'S REPRESENTATIVE. SEE RIP RAP DETAIL ON DT03.   | 18 SY   |
| 9                               | CONSTRUCT 6" VERTICAL CURB & GUTTER PER MAG STD DTL 220-1, TYPE A.   | 1003 LF  | 21 | PLACE LOOSE RIP-RAP D50=9", THICKNESS 24" ON FILTER FABRIC, MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUIVALENT. COLOR PER DEVELOPER'S REPRESENTATIVE. SEE RIP RAP DETAIL ON DT03.   | 2293 SY |
| 12                              | CONSTRUCT 6" SIDEWALK PER MAG STD DTL 230.   | 16382 SF | 22 | INSTALL CONCRETE PIPE COLLAR PER MAG STD DTL 505.   | 7 EA    |
| 23                              | SAWCUT & REMOVE EXISTING PAVEMENT TO A NEAT, CLEAN EDGE; MATCH WITH NEW PAVEMENT 2" MINIMUM.   | 1099 SY  | 34 | REMOVE EXISTING HEADWALL.   | 7 EA    |
| 43                              | CONSTRUCT 6" SINGLE VERTICAL CURB PER MAG STD DTL 222 - TYPE "A".  | 790 LF   | 38 | INSTALL LOOSE ANGULAR RIP-RAP PER MAG SPEC SEC. 220; D50=12", 30" THICK ON MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUAL. FABRIC TO HAVE APPARENT OPENING SIZE OF 0.425MM, PERMITTIVITY OF 50 GAL/MIN/FT AND WOVEN. SEE SHEET DT03 FOR DETAIL. COLOR PER DEVELOPER.                     | 648 SY  |
| 44                              | INSTALL PAVEMENT; 4" AC ON 10" ABC. SEE SECTION ON SHEET DT01.   | 5795 SY  | 39 | INSTALL 42" RGRCP STORM DRAIN, CLASS IV   | 92 LF   |
| 45                              | CONSTRUCT DIRECTIONAL SIDEWALK RAMPS PER MAG STD DTL 237-1, MODIFIED WITH A SINGLE RAMP AS SHOWN IN PLAN VIEW.                                     | 3 EA     | 40 | CONSTRUCT 3 BARREL 5' H X 10' W BOX CULVERT PER STRUCTURAL CALCULATIONS & DETAILS.  | 1 EA    |
| 46                              | SAWCUT & REMOVE EXISTING CURB.   | 3628 LF  | 41 | CONSTRUCT 3 BARREL 6' H X 12' W BOX CULVERT PER STRUCTURAL CALCULATIONS & DETAILS.  | 1 EA    |
| 47                              | CONSTRUCT RIBBON CURB PER MAG STD DTL 220-1 TYPE "B".  | 1865 LF  | 43 | CONSTRUCT OUTLET WING PER ADOT STD DTL SD 6.08, (6:1 SLOPE ON WING WALLS) SEE DETAIL ON SHEET DT04, SAFETY RAIL PER MAG STD DTL 145.  | 3 EA    |
| 48                              | CONSTRUCT 2.5' CURB TERMINATION PER MAG STD DTL 222, MODIFIED TO A TRANSITION FROM 6" VERTICAL CURB & GUTTER TO MATCH EXISTING RIBBON CURB.        | 2 EA     | 44 | INSTALL ANGULAR LOOSE RIP-RAP PER MAG SPEC SECTION 220 D50=15", 18" THICK ON MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUAL. FABRIC TO HAVE APPARENT OPENING SIZE OF 0.425MM, PERMITTIVITY OF 50 gal/min/ft AND WOVEN. COLOR PER DEVELOPER'S REPRESENTATIVE. SEE RIP-RAP DETAIL ON DT03. | 27 SY   |
| 51                              | CONSTRUCT 2.5' CURB TRANSITION PER MAG STD DTL 221, MODIFIED FOR A TRANSITION FROM 6" VERTICAL CURB & GUTTER TO RIBBON CURB.                       | 1 EA     | 45 | CONSTRUCT OUTLET WING PER ADOT STD DTL SD 6.30, (6:1 SLOPE ON WING WALLS) SEE DETAIL ON SHEET DT05, SAFETY RAIL PER MAG STD DTL 145.  | 1 EA    |
| <b>STORM DRAIN CONSTRUCTION</b> |  |          |    |   |         |
| 1                               | CONSTRUCT CATCH BASIN; PER MAG STD DTL 542-2; SIZE PER PLAN  | 2 EA     | 46 | INSTALL 20" X 28" ELLIPTICAL RGRCP STORM DRAIN, CLASS V.  | 44 LF   |
| 3                               | CONSTRUCT CONCRETE OUTLET HEADWALL PER COB STD DTL 51200 WITH TRASH RACK PER COB STD DTL 8-508 AND HANDRAIL PER COB STD 8-110. SEE DETAIL ON DT04. | 5 EA     | 47 | INSTALL 36" X 48" ELLIPTICAL RGRCP STORM DRAIN, CLASS V.  | 102 LF  |
| 4                               | CONSTRUCT STORM DRAIN MANHOLE PER MAG STD DTL 424-2, 520 & 522. ADJUST RIM TO GRADE PER MAG DTL 422, COB DTL 41260.                                | 4 EA     | 48 | INSTALL 30" X 42" ELLIPTICAL RGRCP STORM DRAIN, CLASS V.  | 52 LF   |
| 7                               | INSTALL 18" RGRCP STORM DRAIN, CLASS IV  | 321 LF   |    |   |         |
| 9                               | INSTALL 24" RGRCP STORM DRAIN, CLASS IV  | 48 LF    |    |   |         |
| 13                              | INSTALL 30" RGRCP STORM DRAIN, CLASS IV  | 345 LF   |    |   |         |
| 15                              | INSTALL 36" RGRCP STORM DRAIN, CLASS IV  | 52 LF    |    |   |         |

## CITY OF BUCKEYE GENERAL PERMITTING NOTES

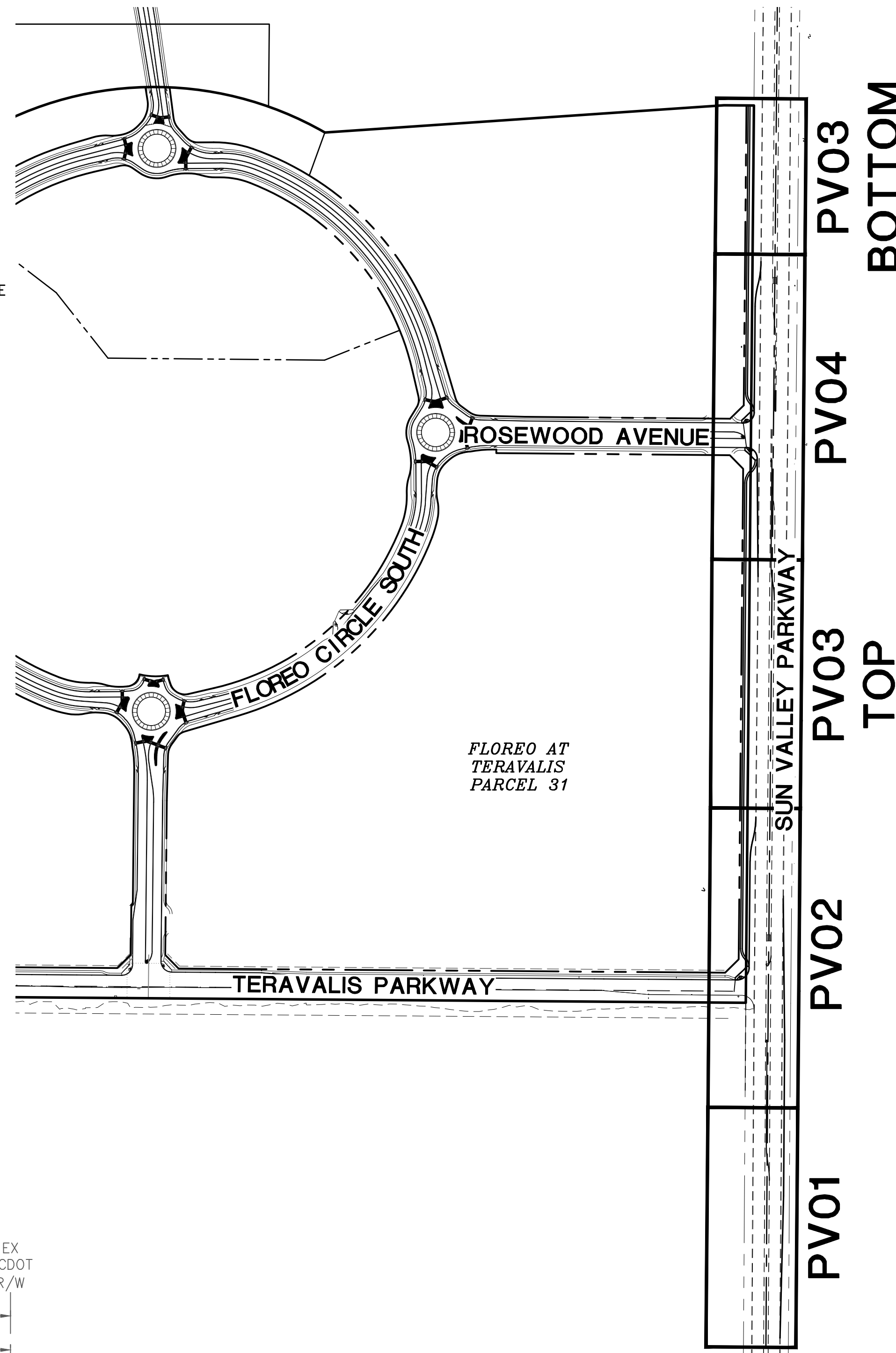
- ALL CONSTRUCTION IN THE PUBLIC RIGHTS-OF-WAY OR IN EASEMENTS GRANTED FOR PUBLIC USE MUST CONFORM TO THE LATEST MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) UNIFORM STANDARD SPECIFICATIONS AND UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION AS AMENDED BY THE LATEST VERSION OF THE CITY OF BUCKEYE DESIGN STANDARDS. IF THERE IS A CONFLICT, THE CITY OF BUCKEYE STANDARDS WILL GOVERN.
- THE APPROVAL OF THE PLANS IS VALID FOR ONE (1) YEAR FROM THE DATE OF THE CITY ENGINEER'S SIGNATURE. IF AN ENCROACHMENT PERMIT FOR THE CONSTRUCTION HAS NOT BEEN ISSUED WITHIN ONE (1) YEAR, THE PLANS MUST BE RESUBMITTED TO THE CITY FOR REAPPROVAL.
- A CITY OF BUCKEYE INSPECTOR WILL INSPECT ALL WORKS WITHIN THE CITY OF BUCKEYE RIGHTS-OF-WAY AND IN EASEMENTS. NOTIFY THE CITY 24 HOURS PRIOR TO THE INSPECTION BY CALLING (623) 349-6248.
- CITY PERMITS ARE REQUIRED FOR ALL WORK IN PUBLIC RIGHTS-OF-WAY AND EASEMENTS GRANTED FOR PUBLIC PURPOSES. A CITY PERMIT WILL BE ISSUED BY THE CITY ONLY AFTER ALL FEES HAVE BEEN PAID AND THE PERMIT HAS AN APPROVED MARICOPA COUNTY ENVIRONMENTAL SERVICES DUST PERMIT AND AN APPROVED STORM WATER POLLUTION PREVENTION PLAN ATTACHED. THE SWPPP SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS.
- COPIES OF ALL PERMITS AND MOST RECENT APPROVED PLANS MUST BE RETAINED ON-SITE AND BE AVAILABLE FOR INSPECTION AT ALL TIMES. FAILURE TO PRODUCE THE REQUIRED PERMITS AND PLANS WILL RESULT IN IMMEDIATE SUSPENSION OF ALL WORK UNTIL PROPER PERMIT DOCUMENTATION AND/OR PLANS ARE OBTAINED. ALL OF THESE REQUIREMENTS APPLY TO ONSITE GRADING AND IMPROVEMENT PLANS.

UTILITY COMPANIES		DATE SUBMITTED
ELECTRIC	ARIZONA PUBLIC SERVICE	8/26/21
TELEPHONE	CENTURY LINK	8/26/21
CATV	COX COMMUNICATIONS	8/26/21
WATER	CITY OF BUCKEYE	8/26/21
SEWER	CITY OF BUCKEYE	8/26/21
GAS	SOUTHWEST GAS	8/26/21

MANAGING ENGINEERING / SURVEYOR HILGARTWILSON	PROJECT COORDINATOR SANDRA HAYDEN	CHECKED JR	CHECKED	DRAWING SCALES AS SHOWN										
		DRAFTED JM, SS	DRAFTED											
DESIGN LAYOUT DWM		FIELD SURVEY												
 <b>HILGARTWILSON</b> ENGINEER   PLAN   SURVEY   MANAGE 2544 E. HIGHLAND AVE., STE. 250   P. 602.490.0535 / F. 602.368.2436 PHOENIX, AZ 85016   WWW.HILGARTWILSON.COM														
<b>PAVING PLAN</b> PROJECT: FLOREO AT TERAVALIS SUN VALLEY PARKWAY & NORTHEAST CORNER OF WINTERSBURG PARKWAY & SUN VALLEY PARKWAY BUCKEYE, ARIZONA COB PROJECT PLAN STICKER														
REVISIONS:														
<table border="1"> <tr> <td>COB PERMITTING APPROVED SEAL</td> <td>COB ENGINEERING APPROVED SEAL</td> <td colspan="3">SUBMITTAL: 2nd SUBMITTAL</td> </tr> <tr> <td colspan="2">AS-BUILT SEAL</td> <td colspan="2">DESIGN SEAL</td> <td>           ORIGINAL PLAN DATE: July 21            LATEST REVISION DATE: Apr-23            PROJECT NUMBER: 1175            SHEET NUMBER: CV01 OF 13         </td> </tr> </table>					COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	SUBMITTAL: 2nd SUBMITTAL			AS-BUILT SEAL		DESIGN SEAL		ORIGINAL PLAN DATE: July 21 LATEST REVISION DATE: Apr-23 PROJECT NUMBER: 1175 SHEET NUMBER: CV01 OF 13
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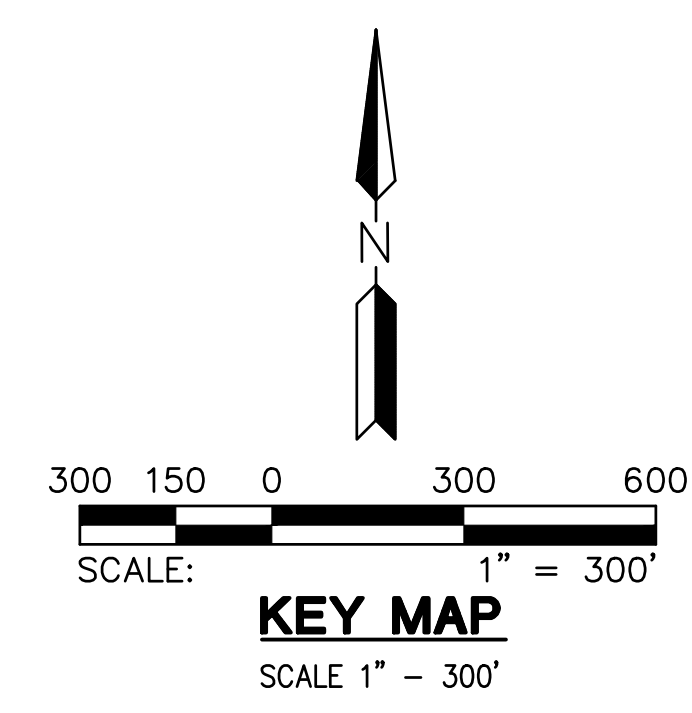
**ABBREVIATIONS**

ABC	AGGREGATE BASE COURSE	NTS	NOT TO SCALE
AC	ASPHALTIC CEMENT OR CONCRETE	P	PAVEMENT
AHD	AHEAD SEWER STATION	PAE	PEDESTRIAN ACCESS EASEMENT
B/C	BACK OF CURB	PC	POINT OF CURVE
BCR	BEGIN CURB RETURN	PCC	POINT OF COMPOUND CURVE
BK	BACK SEWER STATION	PH	PHASE
BLVD	BOULEVARD	PI	POINT OF INTERSECTION
BOT	BOTTOM OF BASIN	PRC	POINT OF REVERSE CURVE
BW	BOTTOM OF WALL AT FINISH GRADE	PT	POINT OF TANGENCY
C&G	CURB AND GUTTER	PUE	PUBLIC UTILITY EASEMENT
C/L or CL	CENTERLINE	PVC	POLYVINYL CHLORIDE
CB	CATCH BASIN	PVI	POINT OF VERTICAL INTERSECTION
COVER	CLEAR COVER OVER PIPE	PVMT	PAVEMENT
CTR	CENTER	R/W OR ROW	RIGHT OF WAY
DE	DRAINAGE EASEMENT	RGRCP	RUBBER GASKET REINFORCED CONCRETE PIPE
DIP	DUCTILE IRON PIPE	RSB	REAR SETBACK
DTL	DETAIL	RT or R	RIGHT
E	EAST OR EASTING	RY	REAR YARD ELEVATION
EA	EACH	S	SOUTH, SLOPE OR SEWER LINE
ECR	END CURB RETURN	S/W or SW	SIDEWALK
EOE	EMERGENCY OUTFALL ELEVATION	SD	STORM DRAIN
EOP	EDGE OF PAVEMENT	SDMH	STORM DRAIN MANHOLE
ESMT	EASEMENT	SHLD	SHOULDER OF ROAD
FF	FINISH FLOOR	SL	SEWER LINE
FG	FINISH GRADE	SMH	SEWER MANHOLE
FL	FLOW LINE GRADE	SPEC	SPECIFICATIONS
FP	FINISH PAD	STA	STATION
FS	FINISH SURFACE	STD	STANDARD
FSB	FRONT SETBACK	SWR	SEWER
FT	FOOT OR FEET	TC	TOP OF CURB
G	GUTTER	TOH	TOP OF HEADWALL ELEVATION
GA	GAUGE	TRANS	TRANSMISSION OR TRANSITION
GB	GRADE BREAK	TF	TOP OF FOOTING
GFF	GARAGE FINISH FLOOR	TG	TOP OF GRATE
HDPE	HIGH DENSITY POLYETHYLENE	TL	TRUE LENGTH
HGL	HYDRAULIC GRADE LINE	TRW	TOP OF RETAINING WALL
HORIZ	HORIZONTAL	TS	TRUE SLOPE
HP	HIGH POINT	TW	TOP OF WALL
HWL	HIGH WATER ELEVATION	TYP	TYPICAL
ID	INSIDE DIAMETER	VC	VERTICAL CURVE
INV	INVERT OR INVERSE	VCP	VITRIFIED CLAY PIPE
LF	LINEAR FEET	VERT	VERTICAL
L/S	LANDSCAPE	VG	VALLEY GUTTER
L.E.	LANDSCAPE EASEMENT	VNAE	VEHICULAR NON-ACCESS EASEMENT
LT or L	LEFT	Vprov	VOLUME PROVIDED
M	MIDDLE	VR	VERTICAL REALIGNMENT
MAG	MARICOPA ASSOCIATION OF GOVERNMENTS	Vreq	VOLUME REQUIRED
MH	MANHOLE	V.T.	VISIBILITY TRIANGLE
ML or M/L	MONUMENT LINE	W	WEST OR WATER LINE
MIN	MINIMUM	WE	WATER EASEMENT
MUTE	MULTI-USE TRAIL EASEMENT	W/L	WATERLINE
N	NORTH OR NORTHING	WSE	WATER SURFACE ELEVATION
NPI	NON-PAYABLE ITEM	WTR	WATER

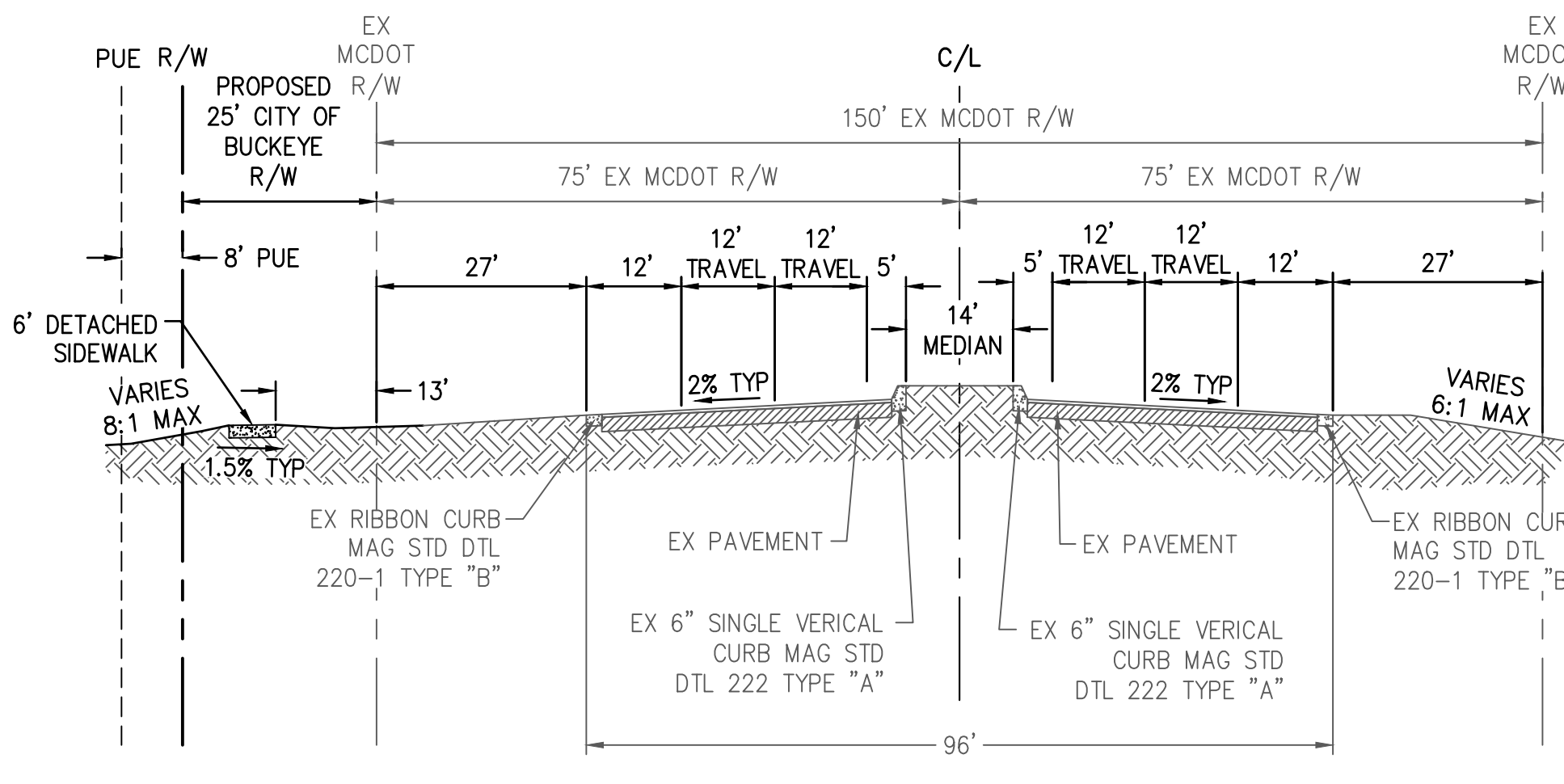


**LEGEND**

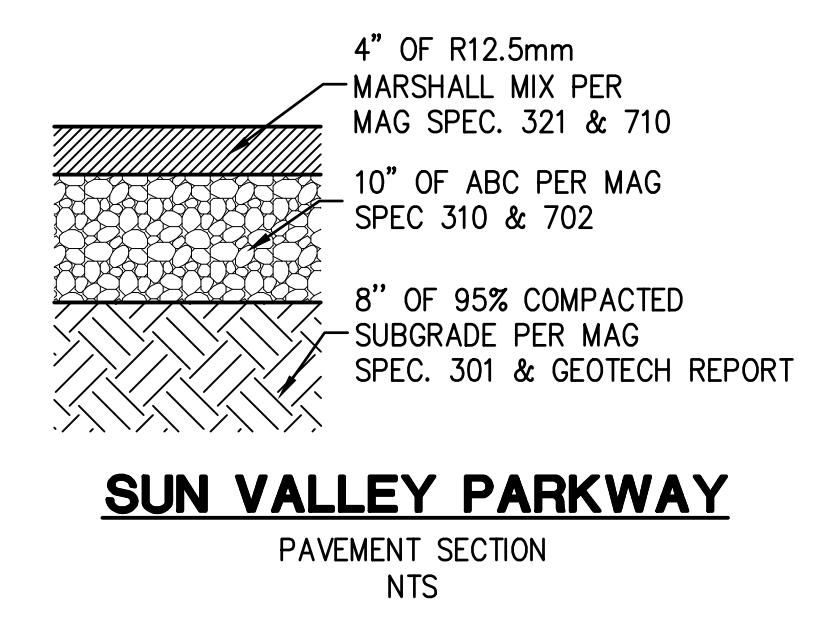
	PARCEL BOUNDARY		FIRE HYDRANT VALVE AND TEE
	CENTERLINE		WATER METER
	RIGHT-OF-WAY		WATER VALVE
	PROPERTY LINE		HEADWALL
	8"S SEWER LINE		CATCH BASIN
	EX 8"S EX. SEWER LINE		SEWER MANHOLE
	8"W WATER LINE		STORM DRAIN MANHOLE
	EX 8"W EX. WATER LINE		STREET LIGHT
	EASEMENT LINE		MONUMENT
	EX CABLE TELEVISION		PAVING CONSTRUCTION NOTE
	EX COMMUNICATIONS		DRAINAGE CONSTRUCTION NOTE
	EX ELECTRIC		GRADE BREAK
	BARRICADE		
	AC PAVEMENT		
	EX AC PAVEMENT TO BE REMOVED		



**TC202200170**



**TYPICAL SUN VALLEY PARKWAY SECTION**  
STREET CLASSIFICATION: PARKWAY PER COB 6-3.103  
(LOOKING NORTH)  
SCALE: N.T.S.



**SUN VALLEY PARKWAY**  
PAVEMENT SECTION  
NTS

PLAN NAME <b>FLOREO AT TERAVALIS</b> <b>KEY MAP &amp; LEGEND</b>			
ENGINEER INFORMATION  <b>HILGARTWILSON</b>		SUBMITTAL: 2nd SUBMITTAL	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	SUBMITTAL # ENG-21-0285	COB PERMIT # ENG-21-0285
AS-BUILT SEAL	DESIGN SEAL		
ORIGINAL PLAN DATE July 21	LATEST REVISION DATE Apr-23		
PROJECT NUMBER 1175	SHEET NUMBER <b>DT01</b>	SHEET OF SH. 2 OF 13	

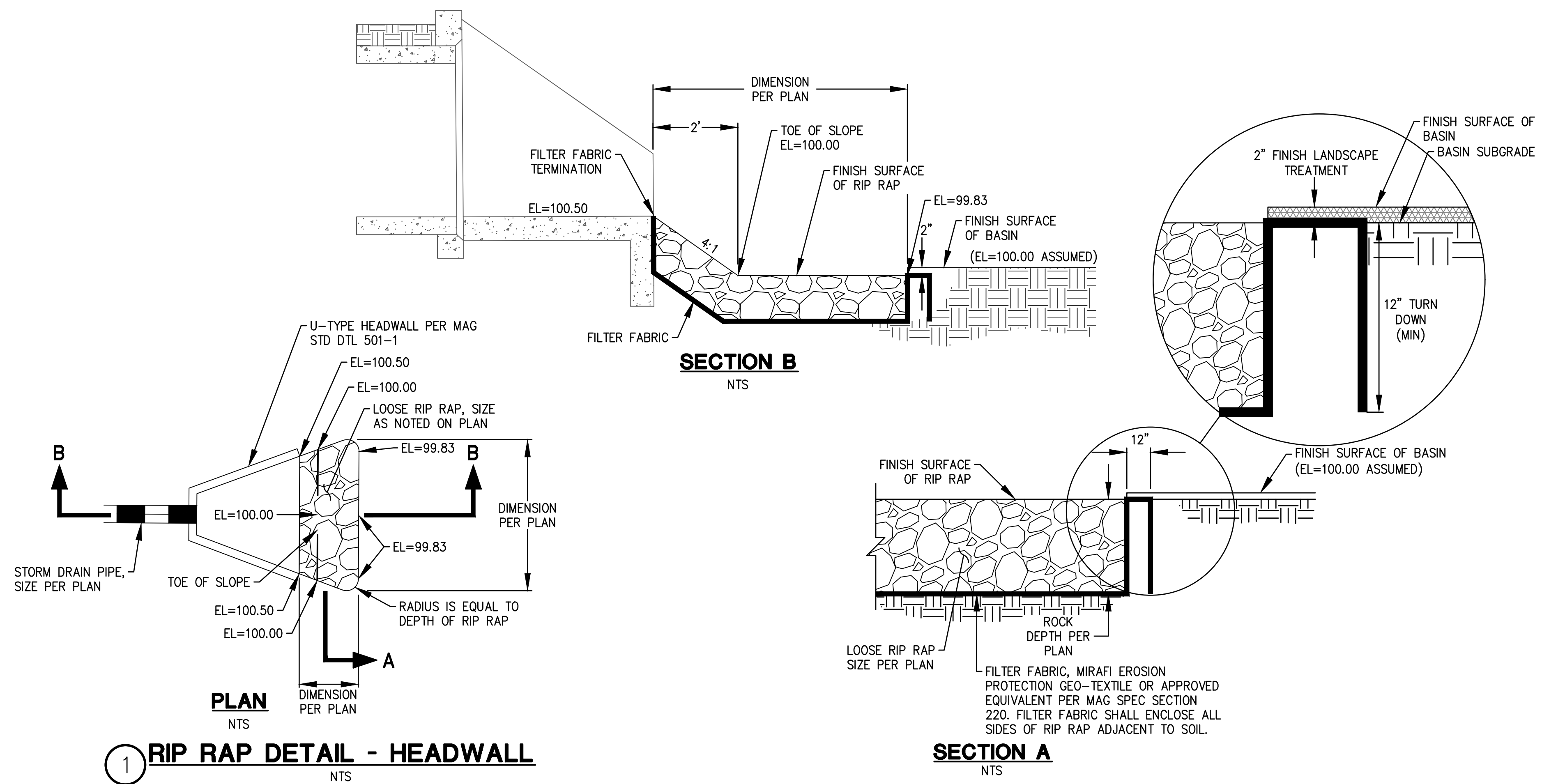


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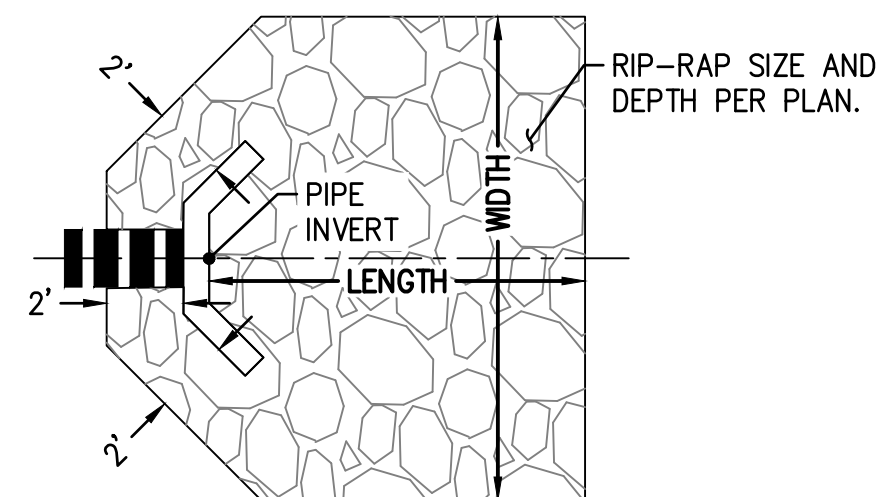


## MCDOT GENERAL NOTES FOR RIGHT-OF-WAY PERMITS

- ALL WORK SHALL CONFORM TO THE REVISED EDITION OF THE UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION PUBLISHED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) AS AUTHORIZED AND MODIFIED BY THE MOST CURRENT MCDOT SUPPLEMENT TO THE MAG UNIFORM STANDARD SPECIFICATIONS AND DETAILS AND NON-CONFLICTING PROJECT SPECIAL PROVISIONS. ALL WORK MUST ALSO COMPLY WITH ORDINANCE P-36 "MARICOPA COUNTY ORDINANCE ADDRESSING REQUIREMENTS FOR PERMITS TO WORK IN RIGHT-OF-WAY WITHIN UNINCORPORATED MARICOPA COUNTY." ANY EXCEPTIONS MUST RECEIVE EXPLICIT APPROVAL FROM MCDOT AND SHALL BE IDENTIFIED ON THE PLANS AS HAVING EXPLICIT APPROVAL FROM MCDOT.
- CONSTRUCTION QUANTITIES ON THESE PLANS ARE NOT VERIFIED BY MCDOT. APPROVAL OF THESE PLANS IS FOR PERMIT PURPOSES ONLY AND SHALL NOT PREVENT MCDOT FROM REQUIRING CORRECTION OF ERRORS IN THE PLANS WHERE SUCH ERRORS ARE SUBSEQUENTLY FOUND TO BE IN VIOLATION OF ANY LAW, ORDINANCE, HEALTH, SAFETY, THE MCDOT ROADWAY DESIGN MANUAL, OR OTHER APPLICABLE DESIGN STANDARDS.
- THE MOST CURRENT APPROVED SET OF PLANS SHALL BE ON THE SITE DURING CONSTRUCTION AND AVAILABLE TO MCDOT INSPECTORS.
- ALL BOX CULVERTS CONSTRUCTED IN THE PUBLIC RIGHT-OF-WAY SHALL COMPLY WITH ARIZONA DEPARTMENT OF TRANSPORTATION (ADOT) LATEST DESIGN SPECIFICATIONS AND STANDARDS.
- CONTRACTOR TO OBTAIN MCDOT PERMITS PRIOR TO CONSTRUCTION WITHIN COUNTY RIGHT-OF-WAY, AND ALL NECESSARY PERMITS FROM OTHER AGENCIES AND FROM LOCAL GOVERNMENTS FOR WORK WITHIN THEIR JURISDICTION.
- CONTRACTOR SHALL NOTIFY THE ASSIGNED MCDOT INSPECTOR LISTED ON PERMIT AT LEAST 24 HOURS IN ADVANCE OF ANY CONSTRUCTION.
- CONTRACTOR PERFORMING CONSTRUCTION OR EXCAVATING OPERATIONS IS RESPONSIBLE FOR LOCATING AND RELOCATING ALL UTILITIES IN CONFLICT AT NO EXPENSE TO MARICOPA COUNTY. THE CONTRACTOR SHALL CONTACT ARIZONA 811 PRIOR TO BEGINNING CONSTRUCTION.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS FOR EARTH MOVING FROM MARICOPA COUNTY AIR QUALITY DEPARTMENT'S DUST COMPLIANCE DIVISION PRIOR TO CONDUCTING EXCAVATION OPERATIONS. A COPY OF THE PERMIT AND DUST CONTROL PLAN SHALL BE SUBMITTED TO THE COUNTY ENGINEER PRIOR TO COMMENCEMENT OF ANY EARTHMOVING ACTIVITIES.
- PRIOR TO CONDUCTING EXCAVATION OPERATIONS, THE CONTRACTOR SHALL OBTAIN FROM THE ARIZONA STATE HISTORICAL PRESERVATION OFFICER RECOMMENDATIONS REGARDING THE NEED FOR CULTURAL RESOURCES (ARCHAEOLOGICAL) CLEARANCE. ALL DISCOVERIES OF HUMAN REMAINS, CULTURAL ARTIFACTS, OR PALEONTOLOGICAL REMAINS SHALL BE REPORTED TO THE ARIZONA STATE MUSEUM AND MCDOT. UPON DISCOVERY, CONTRACTOR SHALL CEASE OPERATIONS IN THE VICINITY OF THE FIND AND PROTECT THE DISCOVERY AREA FROM FURTHER DISTURBANCE UNTIL THE FIND CAN BE PROFESSIONALLY INVESTIGATED BY THE ARIZONA STATE MUSEUM AND MCDOT.
- EXCEPT UNDER EMERGENCY CONDITIONS, ROADS SHALL NOT BE CLOSED FOR CONSTRUCTION ACTIVITY UNLESS PRIOR APPROVAL IS OBTAINED FROM THE MCDOT TRANSPORTATION DIRECTOR.
- PRIOR TO MOVING OR DESTROYING PROTECTED NATIVE PLANT SPECIES, THE CONTRACTOR SHALL FILE A FORMAL NOTICE OF INTENT WITH THE ARIZONA DEPARTMENT OF AGRICULTURE NATIVE PLANTS.
- PRIOR TO INSTALLATION OF CURB, GUTTER, SIDEWALK, BASE COURSE AND WEARING SURFACE, A PAVEMENT VERIFICATION REPORT SUBMITTAL IS REQUIRED TO BE SUBMITTED TO MCDOT FOR REVIEW AND APPROVAL. IF SUB-GRADE STABILIZATION IS REQUIRED, THE AREA STABILIZED SHALL BE FROM BACK OF SIDEWALK TO BACK OF SIDEWALK AND MATCH THE STABILIZATION DEPTH OF THE PAVEMENT STRUCTURE.
- ASPHALT MIX DESIGNS SHALL BE SUBMITTED TO MCDOT A MINIMUM OF TWO BUSINESS DAYS PRIOR TO PLACING ANY ASPHALT COURSES. (TRENCH WORK EXCLUDED.) ASPHALT MIX DESIGNS MUST BE APPROVED PRIOR TO PAVING ACTIVITIES. ALL PAVED TURNOUTS SHALL HAVE THE SAME ASPHALT AND BASE REQUIREMENTS AS THE ADJACENT ROADWAY UNLESS NOTED OTHERWISE.
- ALL ASPHALT CONCRETE PAVEMENT OF LOCAL AND MINOR COLLECTOR ROADS WITH A LONGITUDINAL GRADE LESS THAN 5% SHALL RECEIVE A PRESERVATIVE SEAL ("FILLED" ASPHALT SEALER) IN ACCORDANCE WITH SECTIONS 334 AND 718.3 OF THE MAG UNIFORM STANDARD SPECIFICATIONS.
- EXCEPT FOR ARAC MIXES, ALL OTHER AC MIXES SHALL BE SUPERPAVE/GYRATORY TYPE UNLESS APPROVED BY MCDOT. AC MIX DESIGN USED ON LOCAL AND MINOR COLLECTOR STREETS SHALL BE FOR LOW TRAFFIC CONDITION. NOMINAL SIZE TO THICKNESS RATIO SHALL NOT EXCEED 1:3. THE NOMINAL SIZE DESIGNATION FOR THE SURFACE COURSE ON URBAN ROADWAYS SHALL BE A 1/2" MIX, UNLESS APPROVED BY MCDOT.
- ALL COMPACTION AND BACKFILL WITHIN COUNTY RIGHT-OF-WAY SHALL CONFORM TO THE MCDOT SUPPLEMENT TO MAG SPECIFICATION SECTION 601. BACKFILL UNDER EXISTING PAVEMENT, CURB AND GUTTER, ROADWAY SHOULDERS, AND UNPAVED ROADWAYS SHALL CONSIST OF ONE-HALF (1/2) OR ONE SACK CLSM. UNPAVED ROADWAY AREAS INCLUDE THE TRAVELED WAY PLUS FIVE FEET BEYOND THE TRAVELED WAY.
- ALL STRUCTURES, SUCH AS MANHOLES, VALVE BOX & COVERS, AND MONITORING WELLS MUST BE MARKED WITH AT LEAST TWO REFLECTIVE FLEXIBLE POSTS WHEN STRUCTURES ARE LOCATED OUTSIDE THE TRAVELED WAY AND WITHIN THE RIGHT-OF-WAY. (APPLIES ONLY WHEN THERE IS NO CURB.) ALL CLEAR ZONE HAZARDS SHALL BE MITIGATED IN A MANNER APPROVED BY MCDOT AT NO COST TO THE COUNTY.
- PAVEMENT WIDENING AND PAVEMENT REPLACEMENT SHALL CONFORM TO THE REQUIREMENTS OF MAG SPECIFICATION SECTION 336 AND THE MCDOT SUPPLEMENT THERETO. PAVEMENT CUTS SHALL NOT BE LOCATED WITHIN A LANE WHEEL PATH. THE LANE WHEEL PATH IS THE ENTIRE LANE WIDTH EXCEPT THE AREA WITHIN ONE FOOT OF A LANE LINE STRIPE AND EXCEPT THE CENTER TWO FEET OF THE TRAVEL LANE.
- ALL EXISTING PAVEMENT MARKINGS, TRAFFIC SIGNS AND SIGNAL EQUIPMENT TO BE REMOVED, REPLACED, RELOCATED OR REPAIRED DUE TO CONTRACTOR'S WORK WILL BE DONE BY THE CONTRACTOR AT THEIR EXPENSE. ALL SALVAGED SIGNS SHALL BE DELIVERED TO THE TRAFFIC OPERATIONS BUILDING AT 2909 W. DURANGO ST. ARRANGEMENTS CAN BE MADE FOR DELIVERY BY CALLING (602) 506-8662. ALL NEW STREET NAME SIGNS SHALL BE PROVIDED AND INSTALLED BY THE PERMITTEE AT NO EXPENSE TO MARICOPA COUNTY.
- ALL PERMITTED CONSTRUCTION IS SUBJECT TO INSPECTION AND IS REQUIRED TO MEET ALL APPLICABLE STANDARDS PRIOR TO THE RELEASE OF THE CORRESPONDING BOND.
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS WITHIN THE RIGHT-OF-WAY TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITIONS PER MAG 107.9. DISPOSAL OF ALL WASTE MATERIAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CHIPPED, CRACKED, OR IMPRINTED CURB, GUTTER, OR SIDEWALK IS NOT PERMITTED. CONCRETE PATCHING OF CURB, GUTTER, AND SIDEWALK IS NOT PERMITTED.
- THE PERMITEE'S ENGINEER OF RECORD IS REQUIRED TO CERTIFY SUBDIVISION CONSTRUCTION IN ACCORDANCE WITH THE MCDOT SUBDIVISION INSPECTION GUIDELINES.



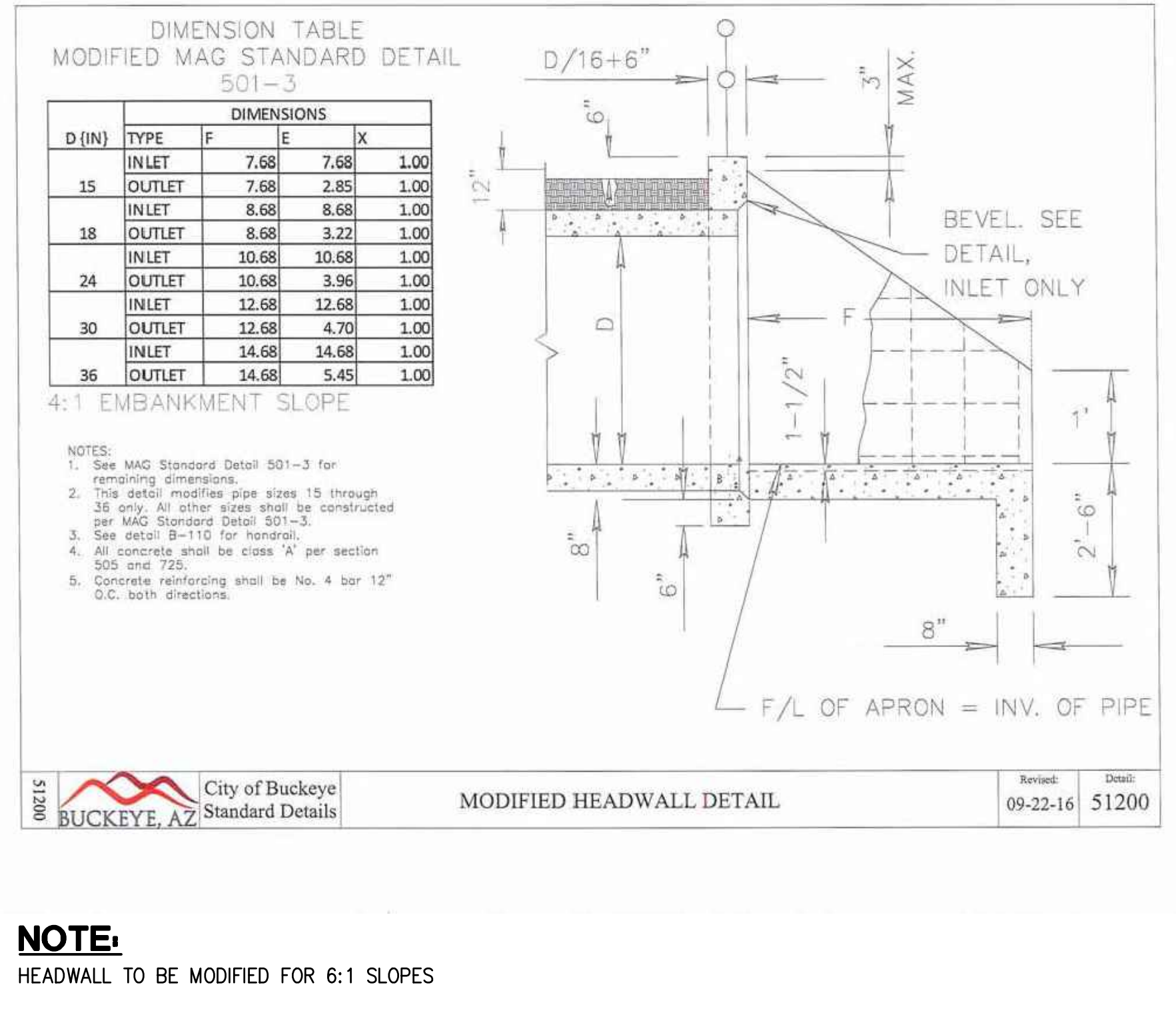
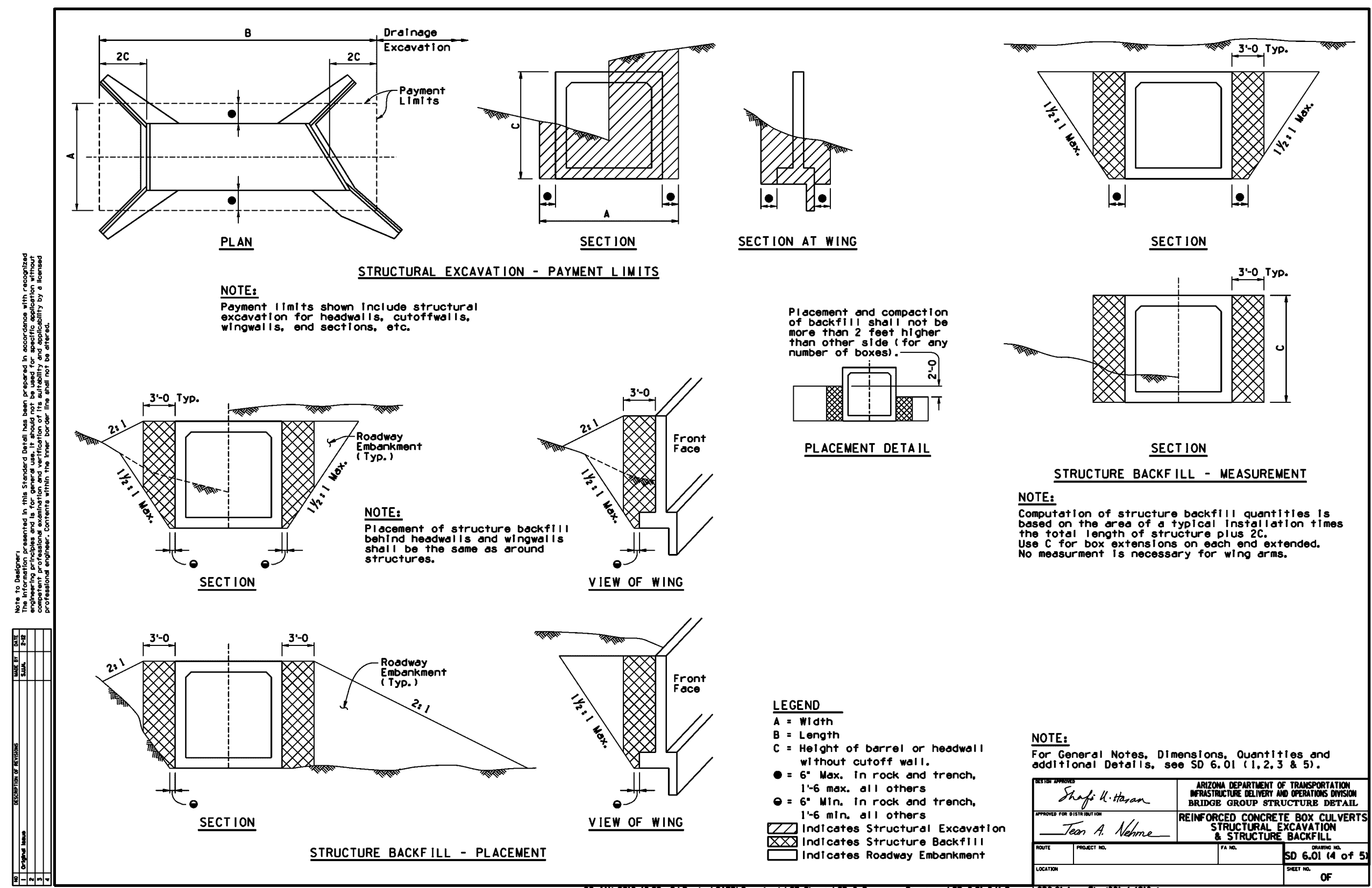
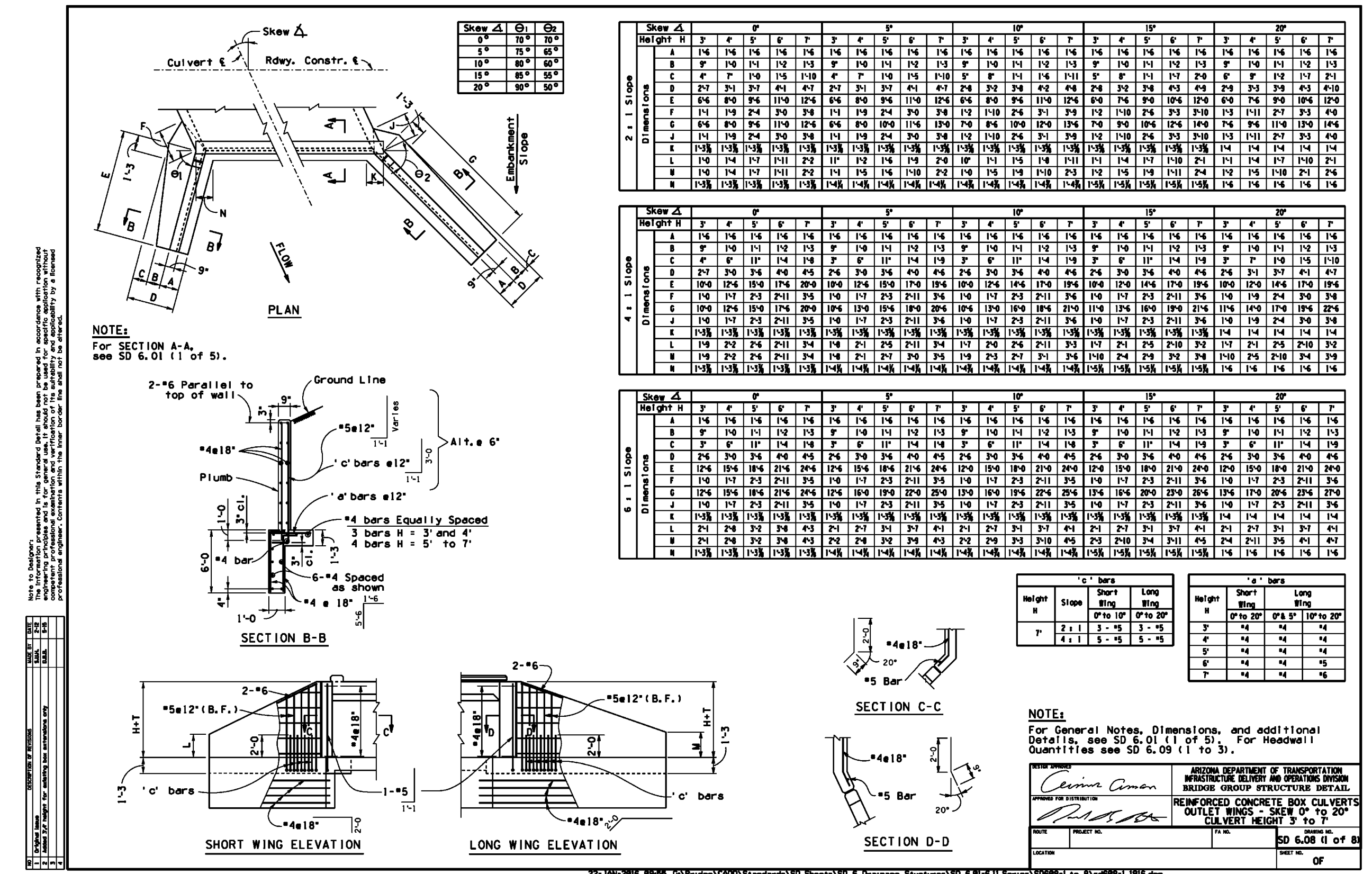
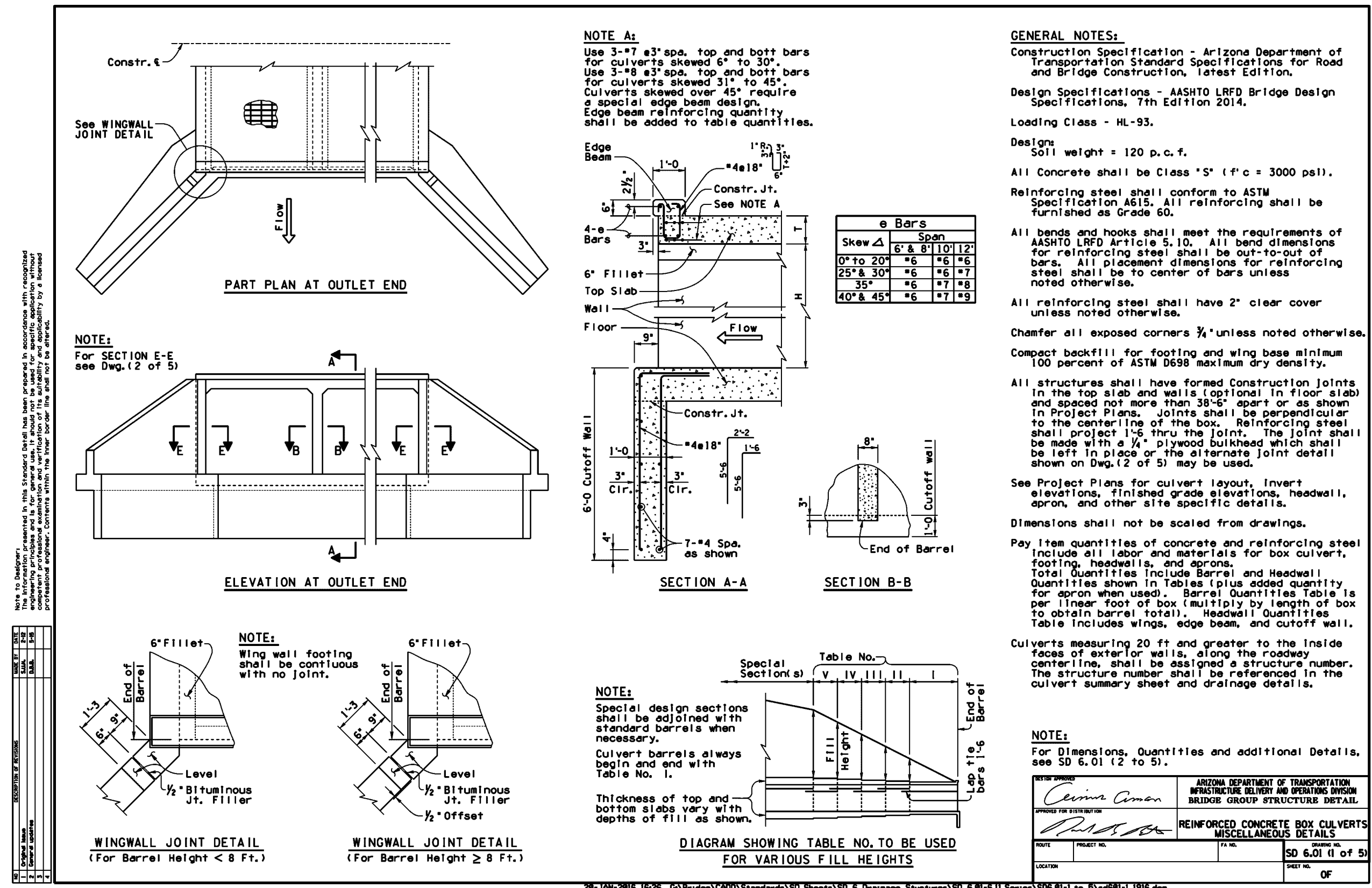
1 RIP RAP DETAIL - HEADWALL  
NTS



Outlet ID	Sheet No.	Pipe Diameter	Minimum Length of Apron [La] (ft)	Width= Do+La W2 (ft)	Rip Rap Size [d50] (in)
Box SVP-1	PV02	5'X10'	24	93	9
Box SVP-2	PV03	6'X12"	29	111	9
O-OFF-X1	PV03	30"x42"	17	20	12
O-OFF-X2	PV03	36"	18	21	15
O-OFF-X3	PV03	42"	17	44	9
O-OFF-X4	PV04	30"x48"	14	38	9
O-OFF-X5	PV04	24"	10	13	9
O-OFF-X6	PV02	18"	6	9	6
O-OFF-X7	PV04	18"	7	10	9

TC202200170

PLAN NAME <b>FLOREO AT TERAVALIS NOTES &amp; DETAILS</b>			
ENGINEER INFORMATION <b>HILGARTWILSON</b>			
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	SUBMITTAL: 2nd SUBMITTAL	ENG-21-0285 ENG-21-0285
AS-BUILT SEAL	DESIGN SEAL		
ORIGINAL PLAN DATE July 21		LATEST REVISION DATE Apr-23	
PROJECT NUMBER 1175		SHEET NUMBER <b>DT03</b> OF 13	
Call at least two full working days before you begin construction. <b>ARIZONA 811</b> Arizona Blue Stake, Inc. Dial 8-1-1 or 1-800-STAKE-IT (782-5348) In Maricopa County: (602) 953-1100			



TC202200170

**FLOEO AT TERAVALIS  
 NOTES & DETAILS**

ENGINEER INFORMATION

**HILGARTWILSON**

COB PERMITTING APPROVED SEAL / COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL / DESIGN SEAL

ORIGINAL PLAN DATE: July 21 / LATEST REVISION DATE: Apr-23

PROJECT NUMBER: 1175 / SHEET NUMBER: DT04 SHT. 5 OF 13

DATE: 09-22-16

69427 JOSHUA ROBINSON



2nd SUBMITTAL / SUBMITTAL: ENG-21-0285 / ENG-21-0285 / COB PLAN TRACKING # / COB PERMIT #

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**CONCRETE QUANTITIES PER ADDITIONAL PIPE (C.Y.)**

D	Rt. & Inlet	Rt. & Outlet	15'	30'	45'
24"	4.1	6.1	2.1	4.1	6.1
30"	5.1	7.1	3.1	5.1	7.1
36"	6.1	8.1	4.1	6.1	8.1
42"	7.1	9.1	5.1	7.1	9.1
48"	8.1	10.1	6.1	8.1	10.1
54"	9.1	11.1	7.1	9.1	11.1
60"	10.1	12.1	8.1	10.1	12.1
66"	11.1	13.1	9.1	11.1	13.1
72"	12.1	14.1	10.1	12.1	14.1
78"	13.1	15.1	11.1	13.1	15.1
84"	14.1	16.1	12.1	14.1	16.1

**REINFORCING BAR QUANTITIES PER ADDITIONAL PIPE (Lbs.)**

D	Rt. & Inlet	Rt. & Outlet	15'	30'	45'
24"	211	411	211	411	611
30"	220	420	220	420	620
36"	230	430	230	430	630
42"	240	440	240	440	640
48"	250	450	250	450	650
54"	260	460	260	460	660
60"	270	470	270	470	670
66"	280	480	280	480	680
72"	290	490	290	490	690
78"	300	500	300	500	700
84"	310	510	310	510	710

**CONCRETE QUANTITIES PER ADDITIONAL PIPE (C.Y.)**

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36"	6.1	8.1	4.1	6.1	8.1
42"	7.1	9.1	5.1	7.1	9.1
48"	8.1	10.1	6.1	8.1	10.1
54"	9.1	11.1	7.1	9.1	11.1
60"	10.1	12.1	8.1	10.1	12.1
66"	11.1	13.1	9.1	11.1	13.1
72"	12.1	14.1	10.1	12.1	14.1
78"	13.1	15.1	11.1	13.1	15.1
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66"	280	480	280	480	680
72"	290	490	290	490	690
78"	300	500	300	500	700
84"	310	510	310	510	710

**HEADWALL DIMENSIONS**

* NOMINAL PIPE SIZE	L <sup>1</sup>	L <sup>2</sup>	L <sup>3</sup>	L <sup>4</sup>	L <sup>5</sup>	A	B
12"	1'-4"	2'-0"	3'-8"	0'-10"	2'-9"	6"	10"
15"	2'-0"	2'-8"	4'-0"	1'-0"	3'-0"	6"	10"
18"	2'-0"	3'-8"	4'-8"	1'-2"	3'-3"	6"	10"
21"	2'-8"	4'-0"	5'-4"	1'-3"	3'-6"	8"	1'-0"
24"	2'-8"	4'-0"	5'-4"	1'-6"	4'-0"	8"	1'-0"
30"	2'-8"	5'-4"	6'-8"	1'-10"	4'-6"	10"	1'-2"
36"	3'-4"	6'-8"	8'-0"	2'-0"	5'-0"	1'-0"	1'-4"
42"	4'-0"	8'-0"	9'-4"	2'-2"	5'-6"	1'-2"	1'-6"

**REINFORCING BAR QUANTITIES PER ADDITIONAL PIPE (Lbs.)**

D	Rt. & Inlet	Rt. & Outlet	15'	30'	45'
24"	211	411	211	411	611
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TC202200170

**FLOREO AT TERAVALIS NOTES & DETAILS**

ENGINEER INFORMATION

**HILGARTWILSON**

COB PERMITTING APPROVED SEAL

COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL

DESIGN SEAL

69427 JOSHUA ROBINSON

PROFESSIONAL ENGINEER

ORIGINAL PLAN DATE: July 21

LATEST REVISION DATE: Apr-23

PROJECT NUMBER: 1175

SHEET NUMBER: DT05

SHT. 6 OF 13

DATE: 01/01/2019

DETAIL NO.: 5524-2

2nd SUBMITTAL

ENG-21-0285

ENG-21-0285

Call at least two full working days before you begin excavation.

**ARIZONA 811**

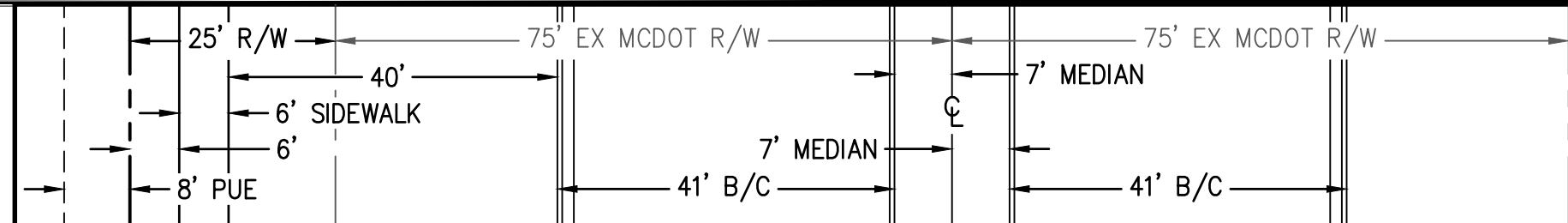
Arizona Blue Stake, Inc.

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

In Maricopa County: (602) 953-1100

LINE TABLE			CURVE TABLE			
NO.	DIRECTION	LENGTH	NO.	RADIUS	DELTA	LENGTH
L1	N00°23'25"E	1029.03'	C1	330.00'	10°23'55"	59.89'
			C2	330.00'	10°23'55"	59.89'

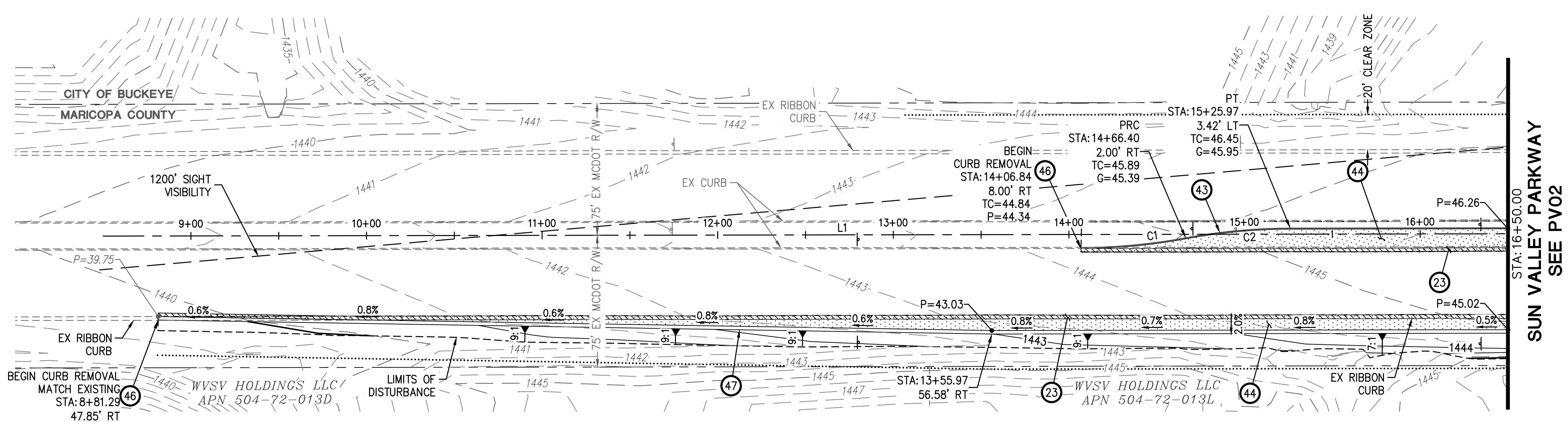
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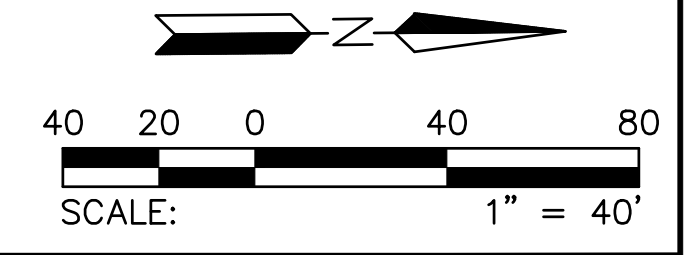
PAVING CONSTRUCTION

23	SAWCUT & REMOVE EXISTING PAVEMENT TO A NEAT, CLEAN EDGE; MATCH WITH NEW PAVEMENT 2" MINIMUM.	232 SY
43	CONSTRUCT 6" SINGLE VERTICAL CURB PER MAG STD DTL 222 - TYPE "A".	244 LF
44	INSTALL PAVEMENT; 4" AC ON 10" ABC. SEE SECTION ON SHEET DT01.	799 SY
46	SAWCUT & REMOVE EXISTING CURB.	815 LF
47	CONSTRUCT RIBBON CURB PER MAG STD DTL 220-1 TYPE "B".	769 LF

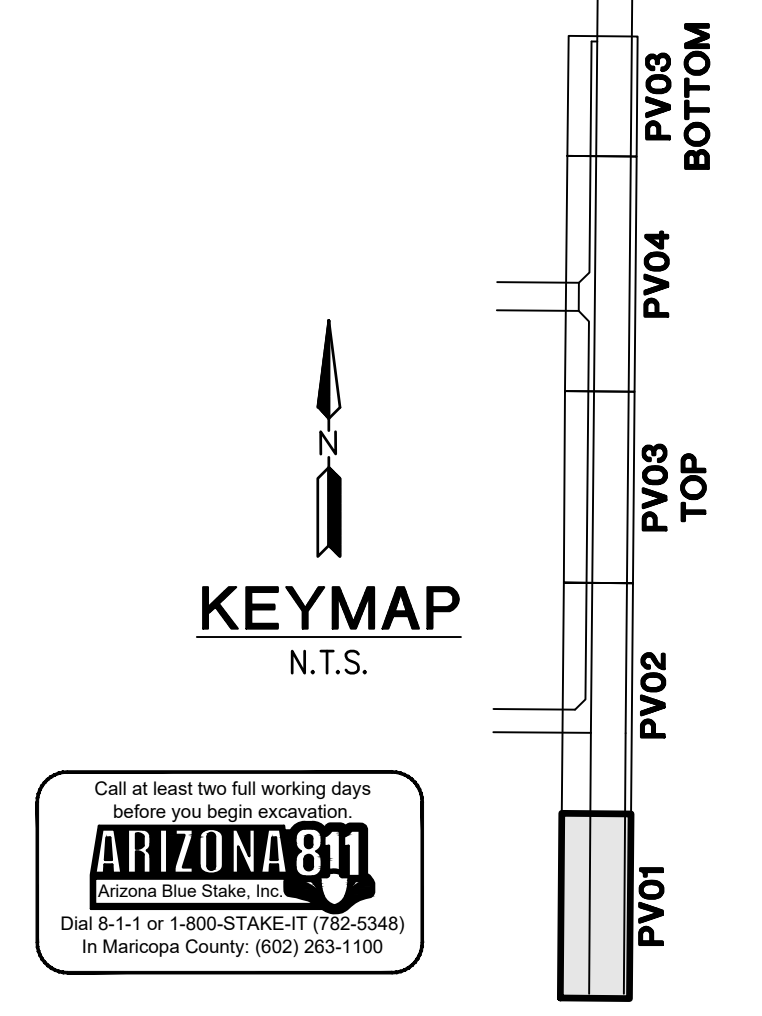
WVSV HOLDINGS LLC  
APN 504-72-011C



SUN VALLEY PARKWAY



PROFILE SCALE:  
HORIZ: 1" = 40'  
VERT: 1" = 4'

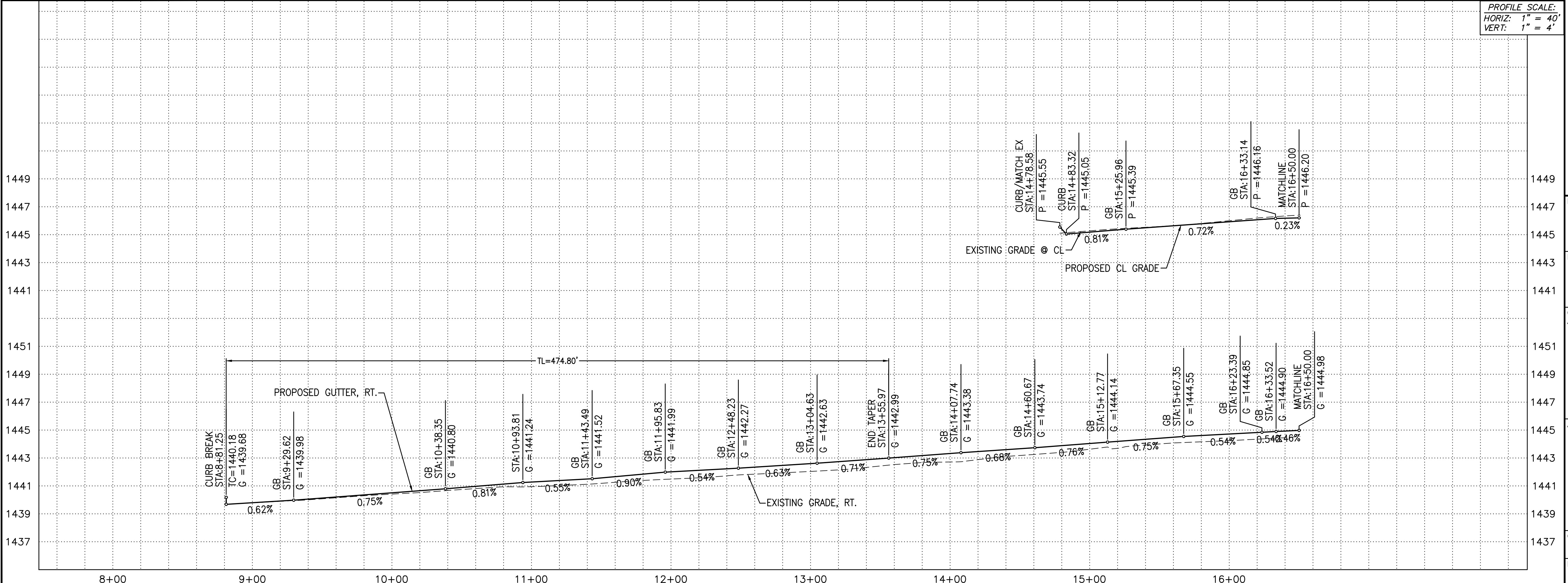


PLAN NAME  
**FLOREO AT TERAVALIS  
SUN VALLEY PKWY PAVING PLAN**

ENGINEER INFORMATION

<b>HILGARTWILSON</b>		SUBMITTAL: 2nd SUBMITTAL
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	
AS-BUILT SEAL	DESIGN SEAL	ENG-21-0285
		ENG-21-0285
ORIGINAL PLAN DATE July 21	LATEST REVISION DATE Apr-23	COB PLAN TRACKING #
PROJECT NUMBER 1175	SHEET NUMBER <b>PV01</b>	COB PERMIT #

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LINE TABLE		
NO.	DIRECTION	LENGTH
L1	N00°23'25"E	1029.03'
L2	S00°31'18"W	1894.96'
L3	N89°33'53"W	2640.49'
L7	S00°31'18"W	356.74'
L8	N00°23'25"E	347.42'
L9	N89°33'54"W	20.92'

**STORM DRAIN CONSTRUCTION**

3 CONSTRUCT CONCRETE OUTLET HEADWALL PER COB STD DTL 51200 WITH TRASH RACK PER COB STD DTL B-508 AND HANDRAIL PER COB STD B-110. SEE DETAIL ON DT04.

7 INSTALL 18" RGRCP STORM DRAIN, CLASS IV

20 PLACE LOOSE RIP-RAP D50=6", THICKNESS 12" ON FILTER FABRIC, MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUIVALENT. COLOR PER DEVELOPER'S REPRESENTATIVE. SEE RIP RAP DETAIL ON DT03.

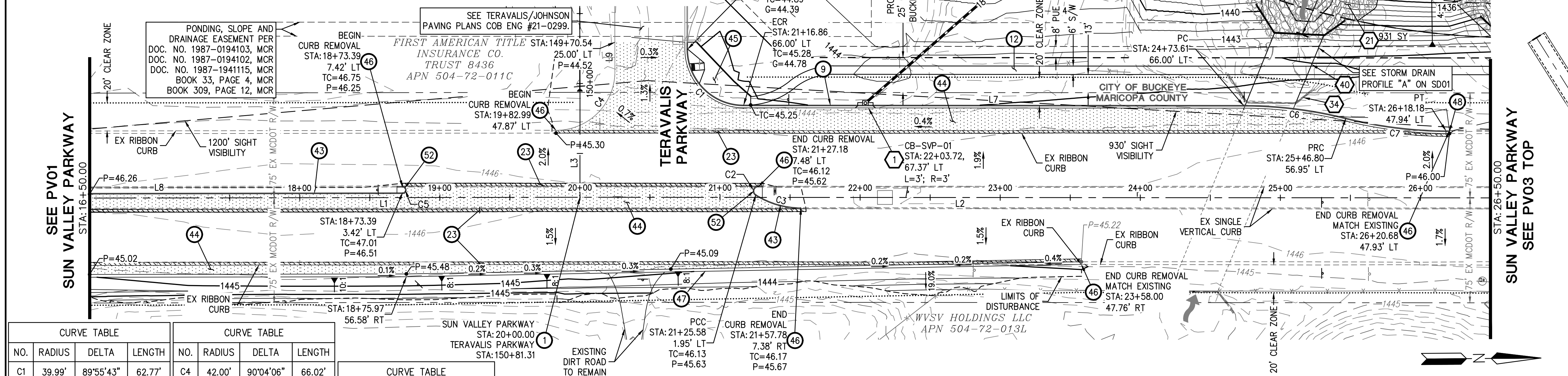
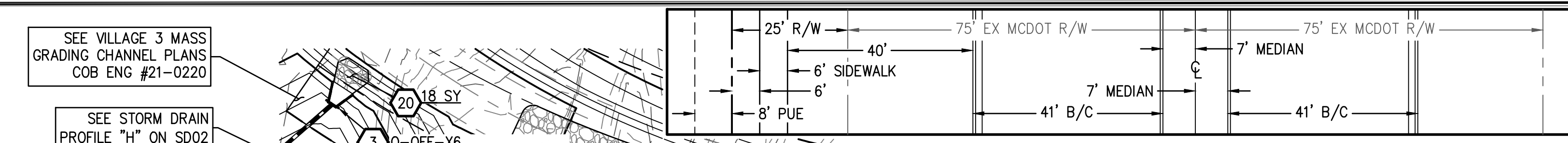
21 PLACE LOOSE RIP-RAP D50=9", THICKNESS 24" ON FILTER FABRIC, MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUIVALENT. COLOR PER DEVELOPER'S REPRESENTATIVE. SEE RIP RAP DETAIL ON DT03.

34 REMOVE EXISTING HEADWALL.

40 CONSTRUCT 3 BARREL 5'H X 10'W BOX CULVERT PER STRUCTURAL CALCULATIONS & DETAILS.

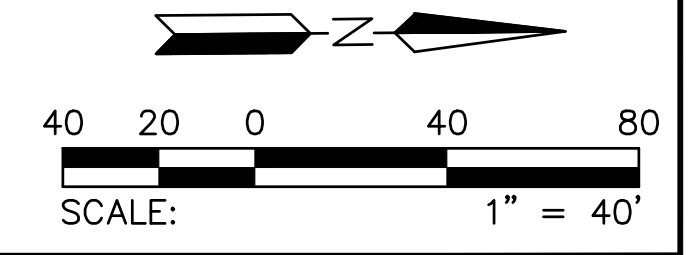
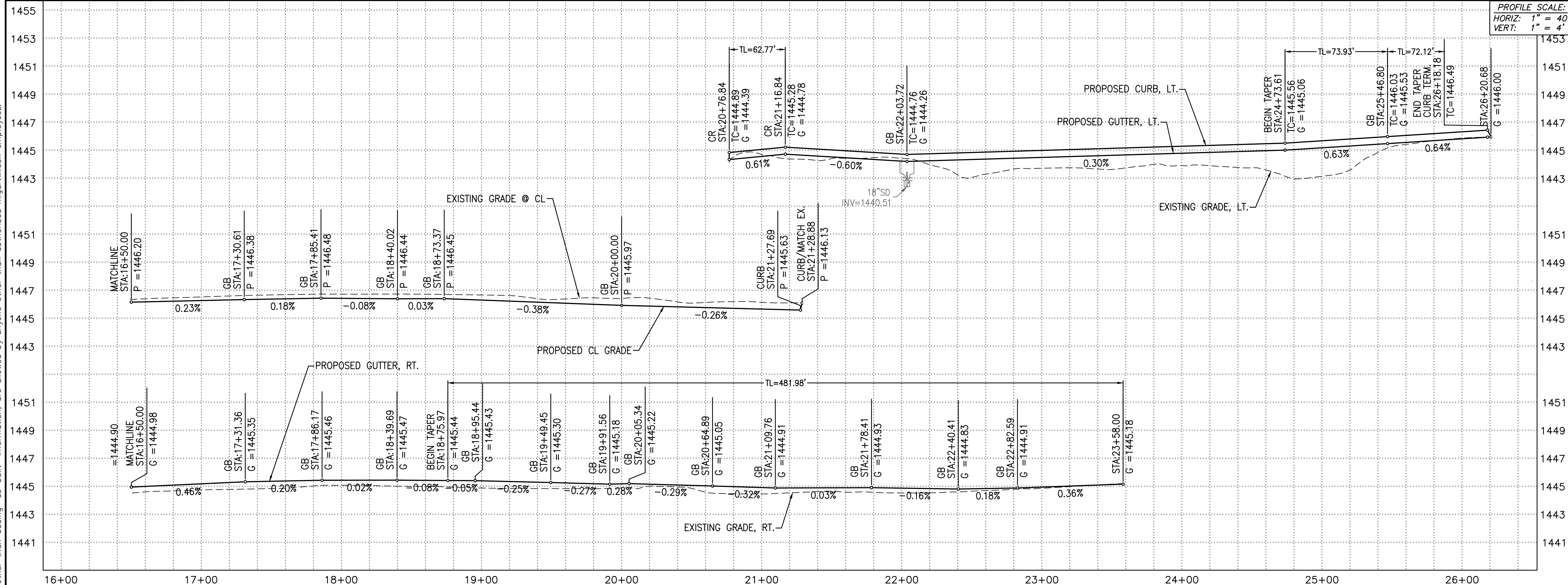
43 CONSTRUCT OUTLET WING PER ADOT STD DTL SD 6.08. (6:1 SLOPE ON WING WALLS) SEE DETAIL ON SHEET DT04, SAFETY RAIL PER MAG STD DTL 145.

**TC202200170**

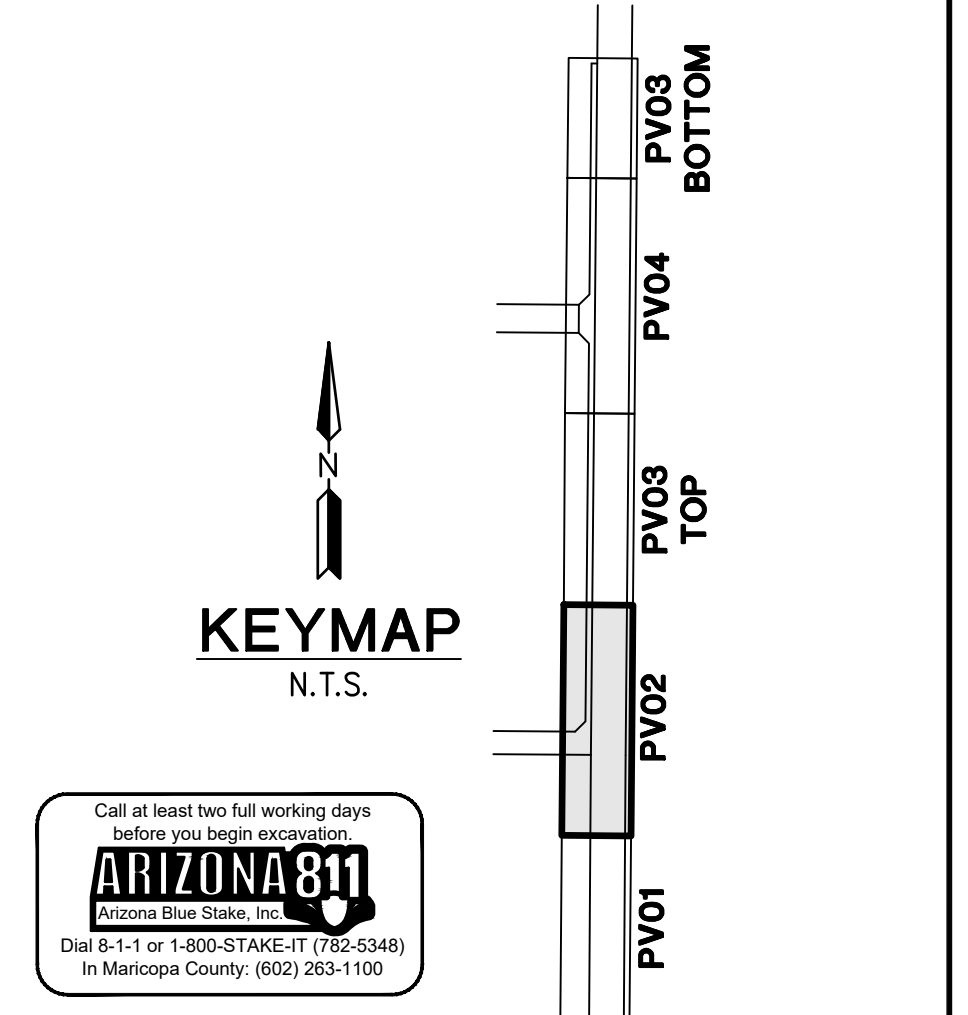


CURVE TABLE			CURVE TABLE			CURVE TABLE					
NO.	RADIUS	DELTA	LENGTH	NO.	RADIUS	DELTA	LENGTH	NO.	RADIUS	DELTA	LENGTH
C1	39.99'	89°55'43"	62.77'	C4	42.00'	90°04'06"	66.02'	C7	299.42'	13°48'04"	72.12'
C2	3.58'	147°27'57"	9.21'	C5	2.00'	180°00'00"	6.28'				
C3	60.58'	32°26'52"	34.31'	C6	300.58'	14°05'35"	73.93'				

**SUN VALLEY PARKWAY**



- STORM DRAIN CONSTRUCTION**
- 1 CONSTRUCT CATCH BASIN; PER MAG STD DTL 542-2; SIZE PER PLAN 1 EA
  - 9 CONSTRUCT 6" VERTICAL CURB & GUTTER PER MAG STD DTL 220-1, TYPE A. 503 LF
  - 12 CONSTRUCT 6" SIDEWALK PER MAG STD DTL 230. 3199 SF
  - 23 SAWCUT & REMOVE EXISTING PAVEMENT TO A NEAT, CLEAN EDGE; MATCH WITH NEW PAVEMENT 2" MINIMUM. 442 SY
  - 43 CONSTRUCT 6" SINGLE VERTICAL CURB PER MAG STD DTL 222 - TYPE "A". 272 LF
  - 44 INSTALL PAVEMENT; 4" AC ON 10" ABC. SEE SECTION ON SHEET DT01. 2769 SY
  - 45 CONSTRUCT DIRECTIONAL SIDEWALK RAMPS PER MAG STD DTL 237-1, MODIFIED WITH A SINGLE RAMP AS SHOWN IN PLAN VIEW. 1 EA
  - 46 SAWCUT & REMOVE EXISTING CURB. 2114 LF
  - 47 CONSTRUCT RIBBON CURB PER MAG STD DTL 220-1 TYPE "B". 708 LF
  - 48 CONSTRUCT 2.5' CURB TERMINATION PER MAG STD DTL 222, MODIFIED TO A TRANSITION FROM 6" VERTICAL CURB & GUTTER TO MATCH EXISTING RIBBON CURB. 1 EA



**FLOREO AT TERAVALIS**  
**SUN VALLEY PKWY PAVING PLAN**

ENGINEER INFORMATION

**HILGARTWILSON**

COB PERMITTING APPROVED SEAL

COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL

DESIGN SEAL

ORIGINAL PLAN DATE: July 21

LATEST REVISION DATE: Apr-23

PROJECT NUMBER: 1175

SHEET NUMBER: PV02

SHT. 8 OF 13

COB PLAN TRACKING #

COB PERMIT #

2nd SUBMITTAL

ENG-21-0285

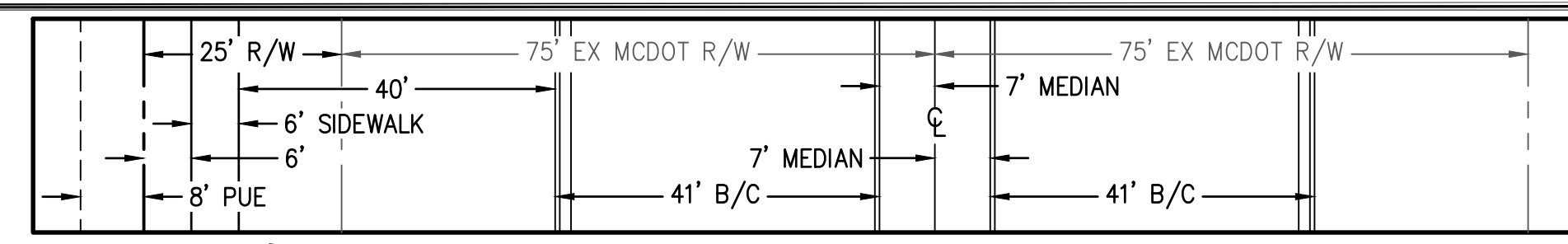
ENG-21-0285

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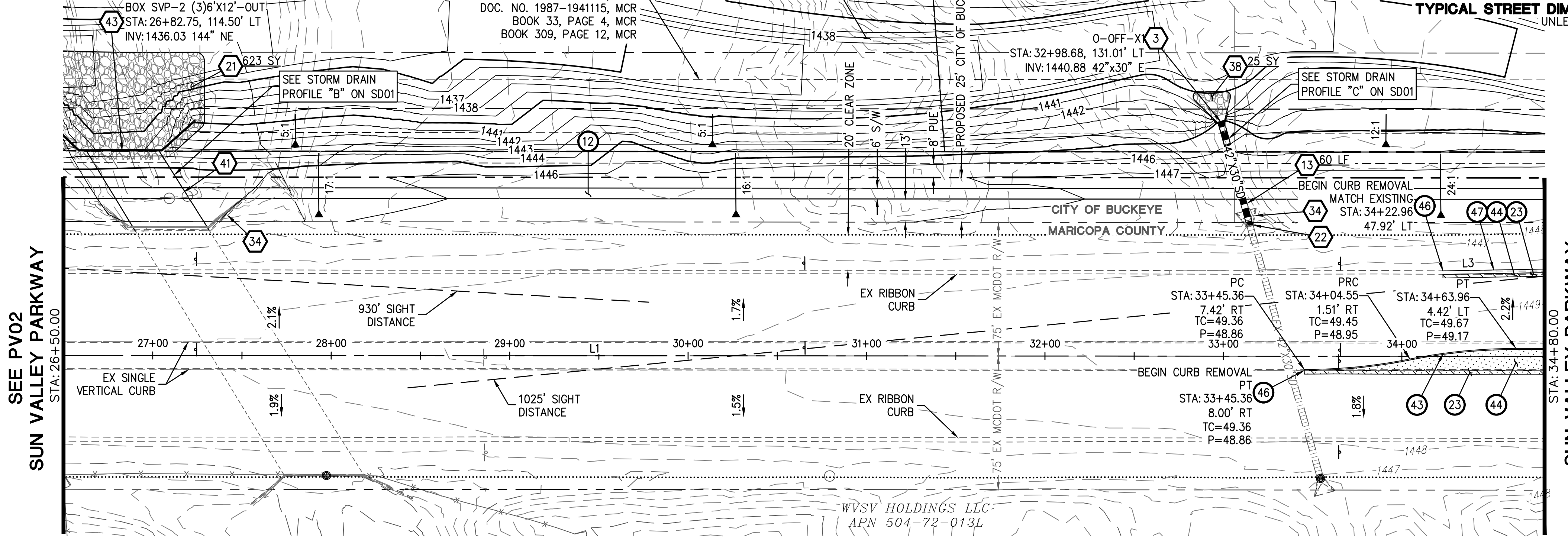
LINE TABLE			CURVE TABLE			
NO.	DIRECTION	LENGTH	NO.	RADIUS	DELTA	LENGTH
L1	S00°31'18"W	1894.96'	C1	299.42'	11°24'05"	59.58'
L3	N00°27'24"W	390.06'	C2	300.58'	11°24'05"	59.81'

TC202200170

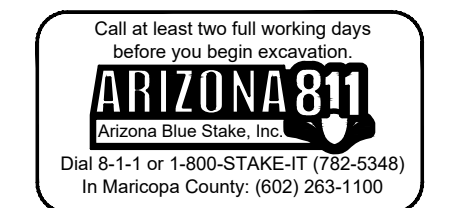
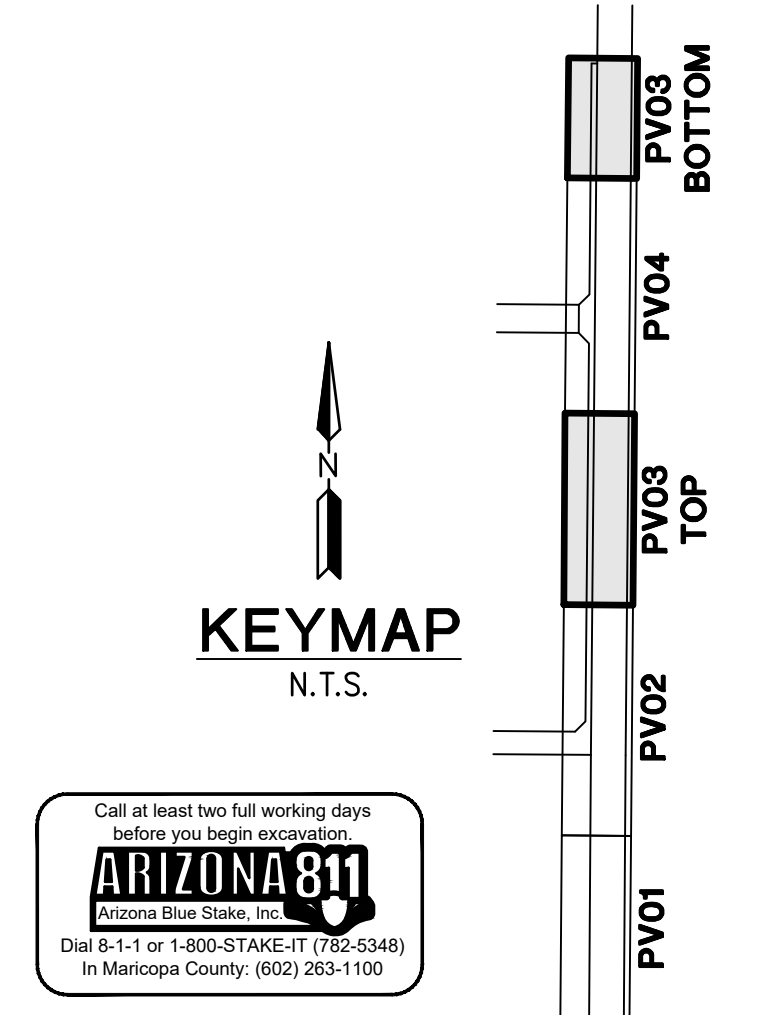


- PAVING CONSTRUCTION**
- 12 CONSTRUCT 6" SIDEWALK PER MAG STD DTL 230. 7960 SF
  - 23 SAWCUT & REMOVE EXISTING PAVEMENT TO A NEAT, CLEAN EDGE; MATCH WITH NEW PAVEMENT 2' MINIMUM. 43 SY
  - 43 CONSTRUCT 6" SINGLE VERTICAL CURB PER MAG STD DTL 222 - TYPE "A". 135 LF
  - 44 INSTALL PAVEMENT: 4" AC ON 10" ABC. SEE SECTION ON SHEET DT01. 142 SY
  - 46 SAWCUT & REMOVE EXISTING CURB. 135 LF
  - 47 CONSTRUCT RIBBON CURB PER MAG STD DTL 220-1 TYPE "B". 57 LF
- STORM DRAIN CONSTRUCTION**
- 3 CONSTRUCT CONCRETE OUTLET HEADWALL PER COB STD DTL 51200 WITH TRASH RACK PER COB STD DTL B-508 AND HANDRAIL PER COB STD B-110. SEE DETAIL ON DT04. 2 EA
  - 4 CONSTRUCT STORM DRAIN MANHOLE PER MAG STD DTL 424-2, 520 & 522. ADJUST RIM TO GRADE PER MAG DTL 422, COB DTL 41260. 3 EA
  - 13 CONSTRUCT 30" RGRCP STORM DRAIN, CLASS IV 60 LF
  - 15 INSTALL 36" RGRCP STORM DRAIN, CLASS IV 52 LF
  - 21 PLACE LOOSE RIP-RAP D50=9", THICKNESS 24" ON FILTER FABRIC, MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUIVALENT. COLOR PER DEVELOPER'S REPRESENTATIVE. SEE RIP-RAP DETAIL ON DT03. 1246 SY
  - 22 INSTALL CONCRETE PIPE COLLAR PER MAG STD DTL 505. 4 EA
  - 34 REMOVE EXISTING HEADWALL. 4 EA

- STORM DRAIN CONSTRUCTION**
- 38 INSTALL LOOSE ANGULAR RIP-RAP PER MAG SPEC SEC. 220; D50=12", 30" THICK ON MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUAL FABRIC TO HAVE APPARENT OPENING SIZE OF 0.425MM, PERMITTIVITY OF 50 GAL/MIN/FT AND WOVEN. SEE SHEET DT03 FOR DETAIL. COLOR PER DEVELOPER. 648 SY
  - 39 INSTALL 42" RGRCP STORM DRAIN, CLASS IV 92 LF
  - 41 CONSTRUCT 3 BARREL 6'H X 12"W BOX CULVERT PER STRUCTURAL CALCULATIONS & DETAILS. 1 EA
  - 43 CONSTRUCT OUTLET WING PER ADOT STD DTL SD 6.08, (6:1 SLOPE ON WING WALLS) SEE DETAIL ON SHEET DT04, SAFETY RAIL PER MAG STD DTL 145. 2 EA
  - 44 INSTALL ANGULAR LOOSE RIP-RAP PER MAG SPEC SECTION 220 D50=15", 18" THICK ON MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUAL FABRIC TO HAVE APPARENT OPENING SIZE OF 0.425MM, PERMITTIVITY OF 50 gal/min/ft AND WOVEN. COLOR PER DEVELOPER'S REPRESENTATIVE. SEE RIP-RAP DETAIL ON DT03. 27 SY
  - 47 INSTALL 36" X 48" ELLIPTICAL RGRCP STORM DRAIN, CLASS V. 102 LF
  - 48 INSTALL 30" X 42" ELLIPTICAL RGRCP STORM DRAIN, CLASS V. 52 LF

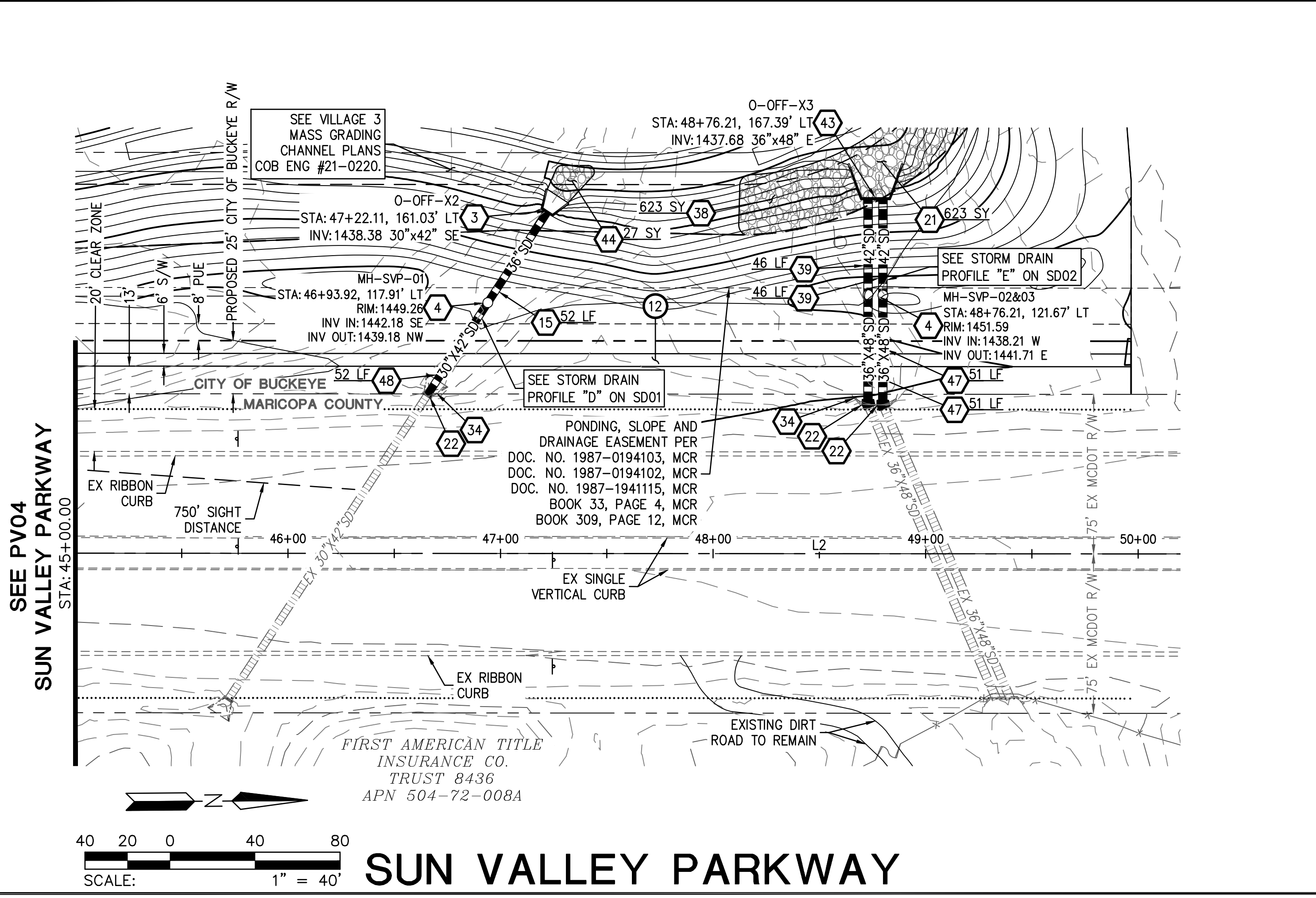
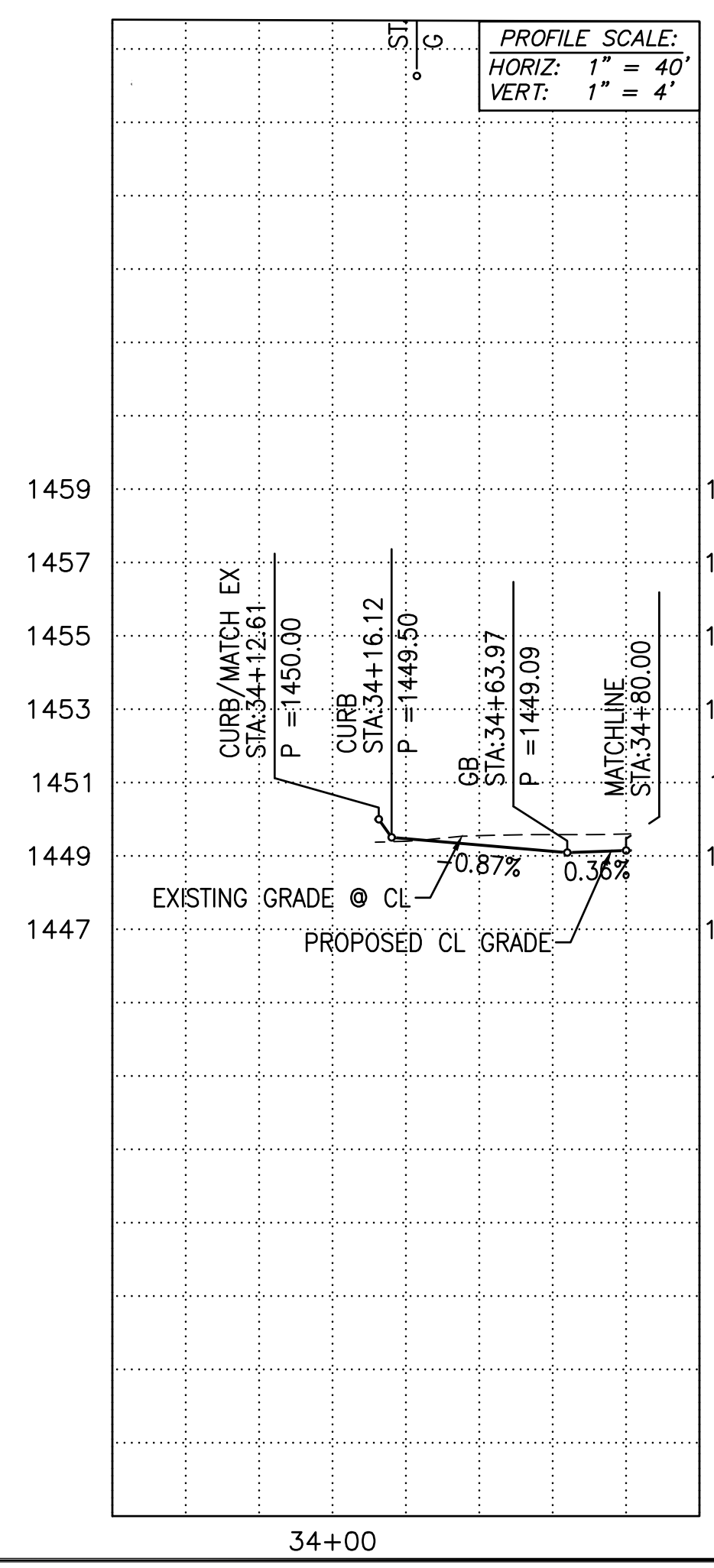


SUN VALLEY PARKWAY



PLAN NAME  
**FLOREO AT TERAVALIS  
SUN VALLEY PKWY PAVING PLAN**

ENGINEER INFORMATION		SUBMITTAL: 2nd SUBMITTAL
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	
AS-BUILT SEAL	DESIGN SEAL	ENG-21-0285
		ENG-21-0285
ORIGINAL PLAN DATE July 21	LATEST REVISION DATE Apr-23	COB PLAN TRACKING #
PROJECT NUMBER 1175	SHEET NUMBER PV03	COB PERMIT #
	SHT. 9 OF 13	

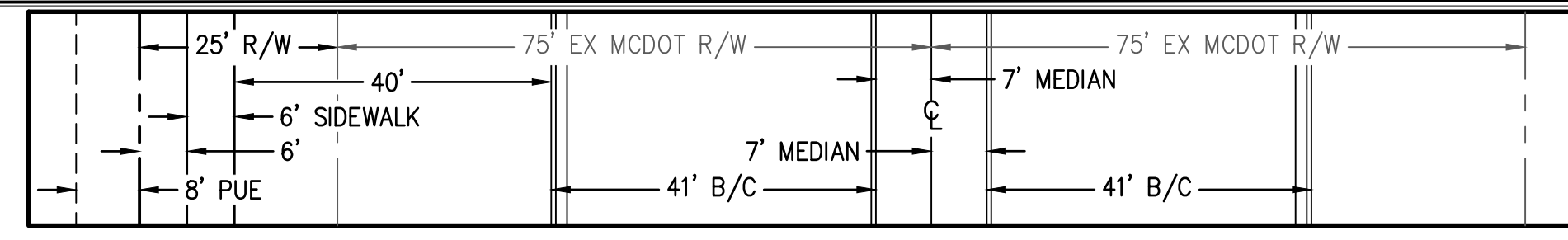
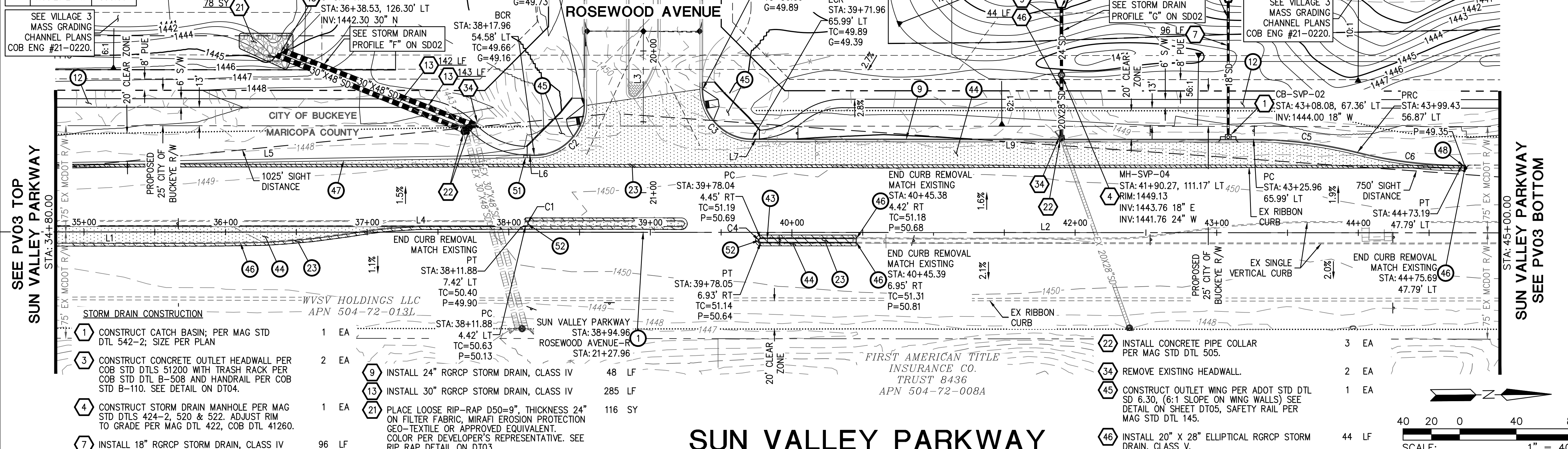


SUN VALLEY PARKWAY

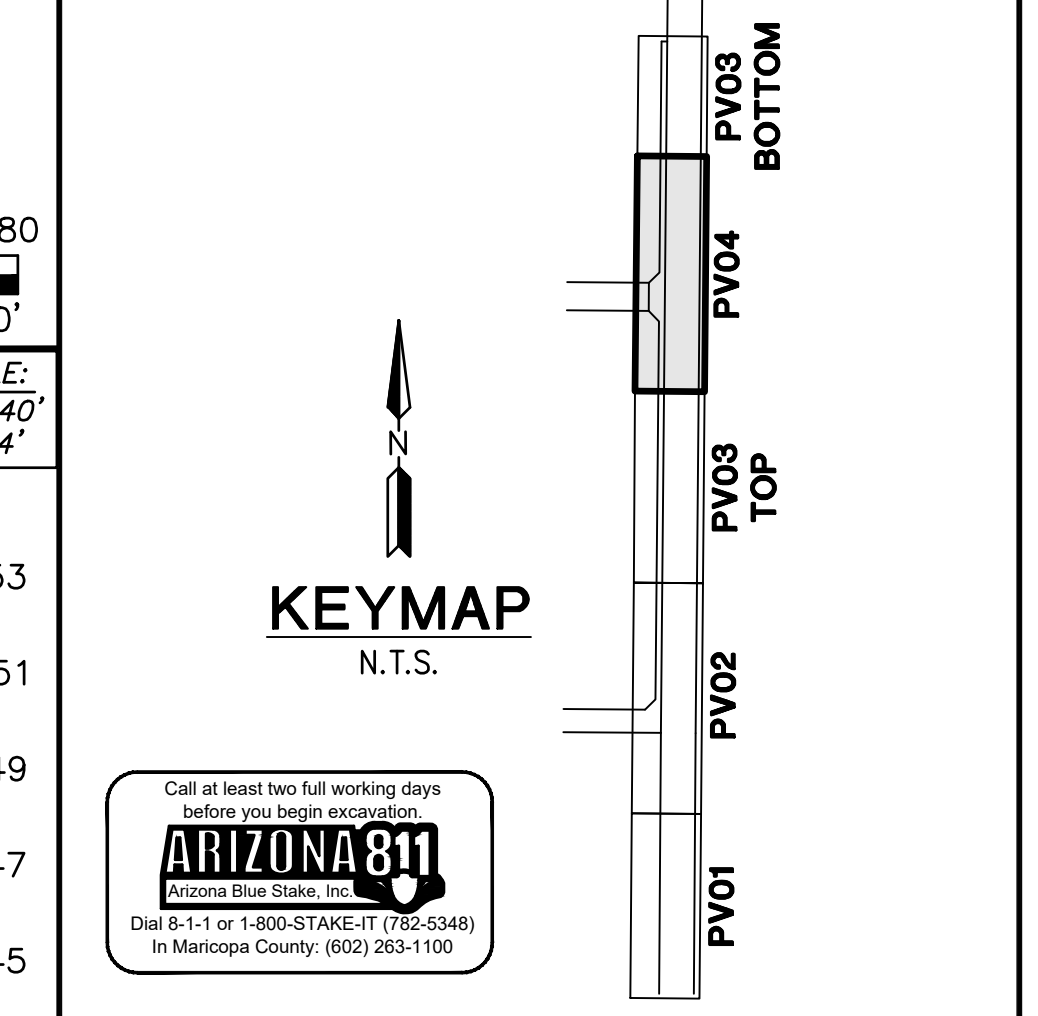
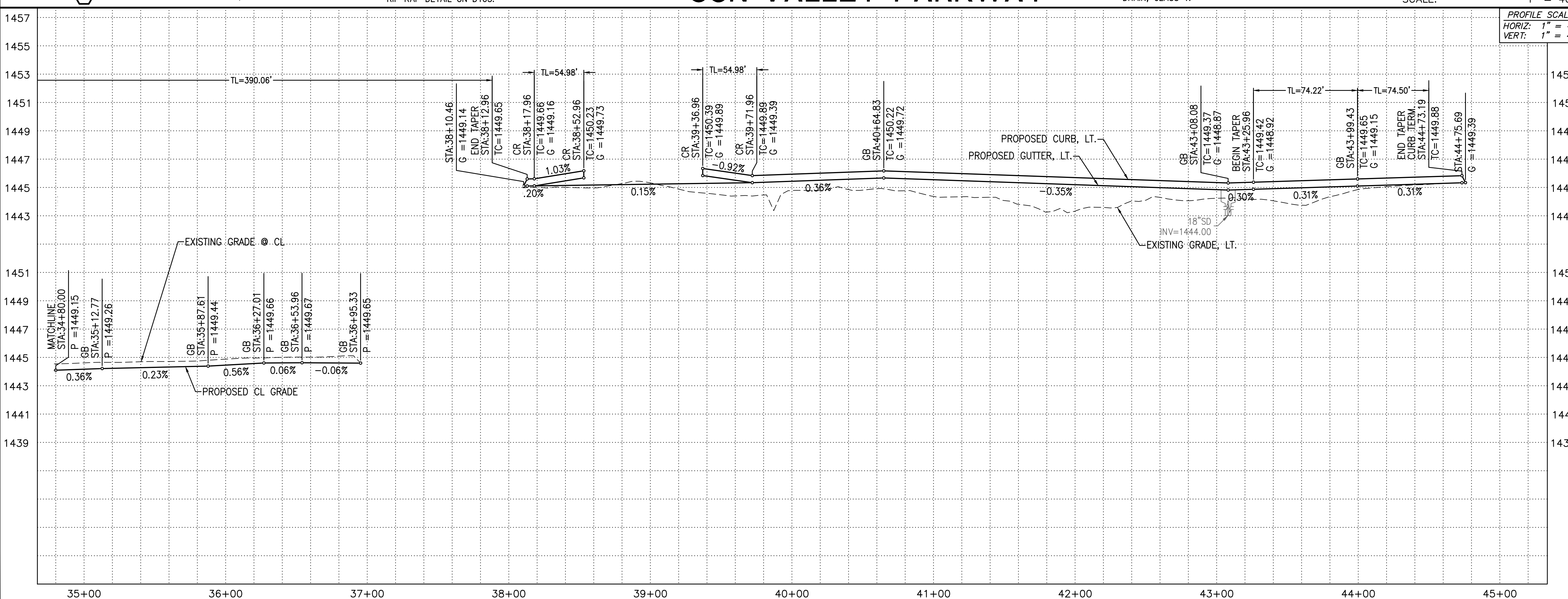
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LINE TABLE			CURVE TABLE			CURVE TABLE				
NO.	DIRECTION	LENGTH	NO.	RADIUS	DELTA	LENGTH	NO.	RADIUS	DELTA	LENGTH
L1	S00°31'18"W	1894.96'	C1	1.50'	180°00'00"	4.71'	C5	300.58'	14°08'50"	74.22'
L2	N00°31'18"E	674.89'	C2	35.00'	89°59'55"	54.98'	C6	299.42'	14°15'25"	74.50'
L3	N89°28'36"W	1127.96'	C3	35.00'	90°00'05"	54.98'				
L4	N00°31'18"E	157.92'	C4	1.24'	180°37'56"	3.92'				
L5	N00°27'24"W	390.06'								

**TC202200170**



- PAVING CONSTRUCTION**
- 1 INSTALL SURVEY MONUMENT PER MAG STD DTL 120 TYPE 'A'. 1 EA
  - 9 CONSTRUCT 6" VERTICAL CURB & GUTTER PER MAG STD DTL 220-1, TYPE 'A'. 500 LF
  - 12 CONSTRUCT 6" SIDEWALK PER MAG STD DTL 230. 5223 SF
  - 23 SAWCUT & REMOVE EXISTING PAVEMENT TO A NEAT, CLEAN EDGE; MATCH WITH NEW PAVEMENT 2" MINIMUM. 382 SY
  - 43 CONSTRUCT 6" SINGLE VERTICAL CURB PER MAG STD DTL 222 - TYPE 'A'. 139 LF
  - 44 INSTALL PAVEMENT; 4" AC ON 10" ABC. SEE SECTION ON SHEET D101. 2085 SY
  - 45 CONSTRUCT DIRECTIONAL SIDEWALK RAMPS PER MAG STD DET 237-1, MODIFIED WITH A SINGLE RAMP AS SHOWN IN PLAN VIEW. 2 EA
  - 46 SAWCUT & REMOVE EXISTING CURB. 564 LF
  - 47 CONSTRUCT RIBBON CURB PER MAG STD DTL 220-1 TYPE "B". 331 LF
  - 48 CONSTRUCT 2.5' CURB TERMINATION PER MAG STD DTL 222, MODIFIED TO A TRANSITION FROM 6" VERTICAL CURB & GUTTER TO MATCH EXISTING RIBBON CURB. 1 EA
  - 51 CONSTRUCT 2.5' CURB TRANSITION PER MAG STD DTL 221, MODIFIED FOR A TRANSITION FROM 6" VERTICAL CURB & GUTTER TO RIBBON CURB. 1 EA



**PLAN NAME**  
**FLOREO AT TERAVALIS**  
**SUN VALLEY PKWY PAVING PLAN**

**ENGINEER INFORMATION**

**HILGARTWILSON**

COB PERMITTING APPROVED SEAL  
COB ENGINEERING APPROVED SEAL

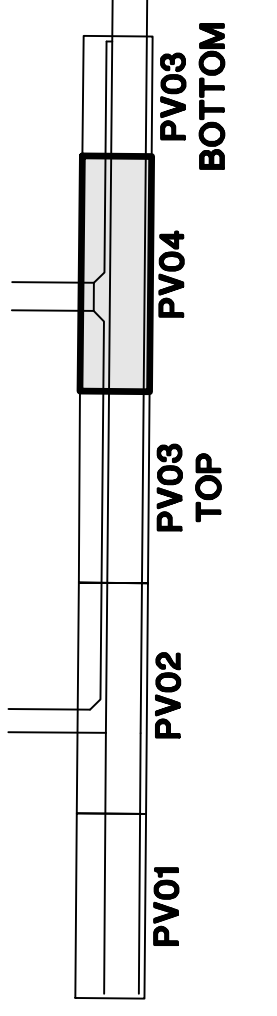
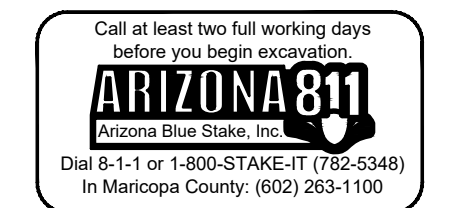
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**DESIGN SEAL**

ORIGINAL PLAN DATE: July 21  
LATEST REVISION DATE: Apr-23

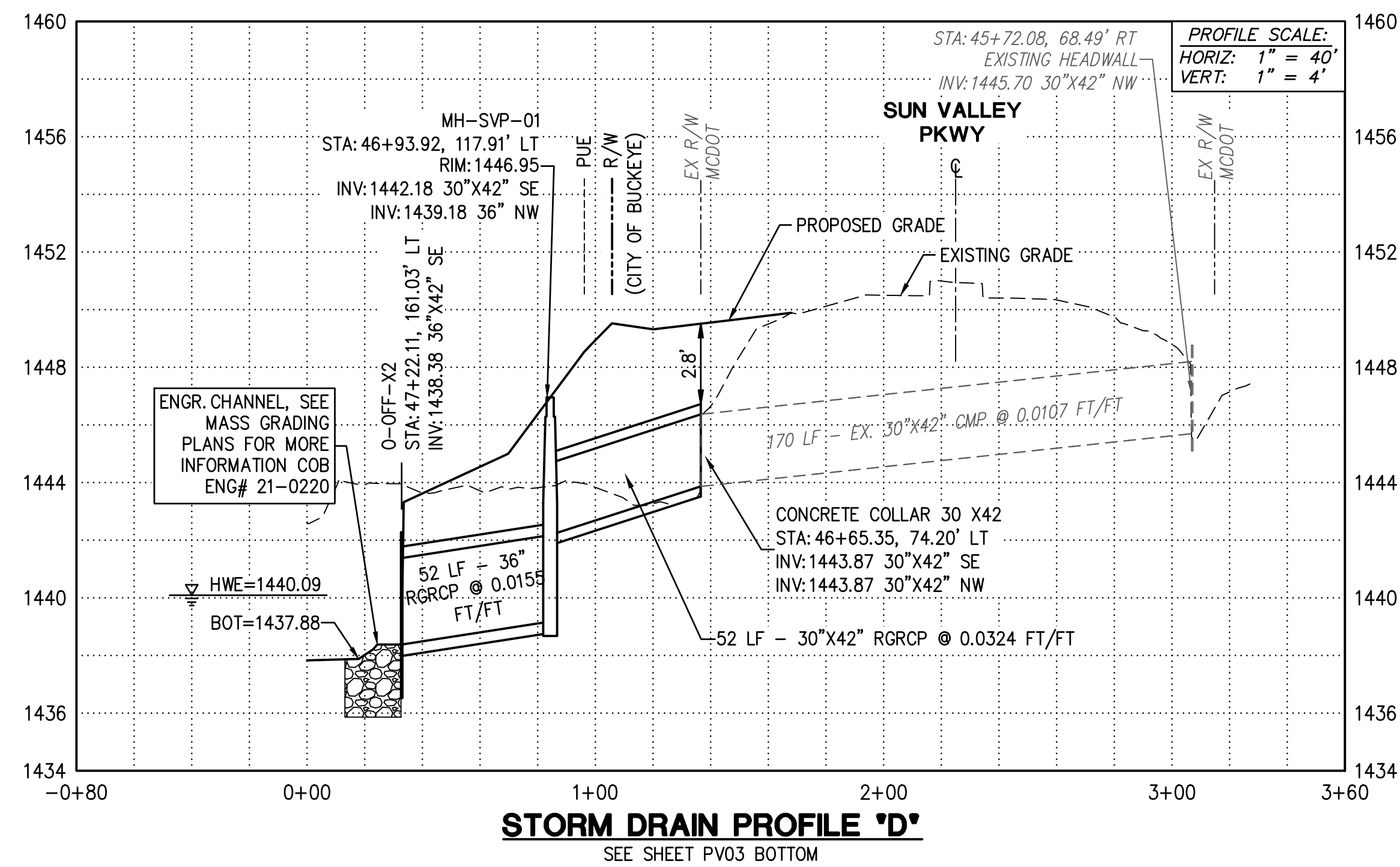
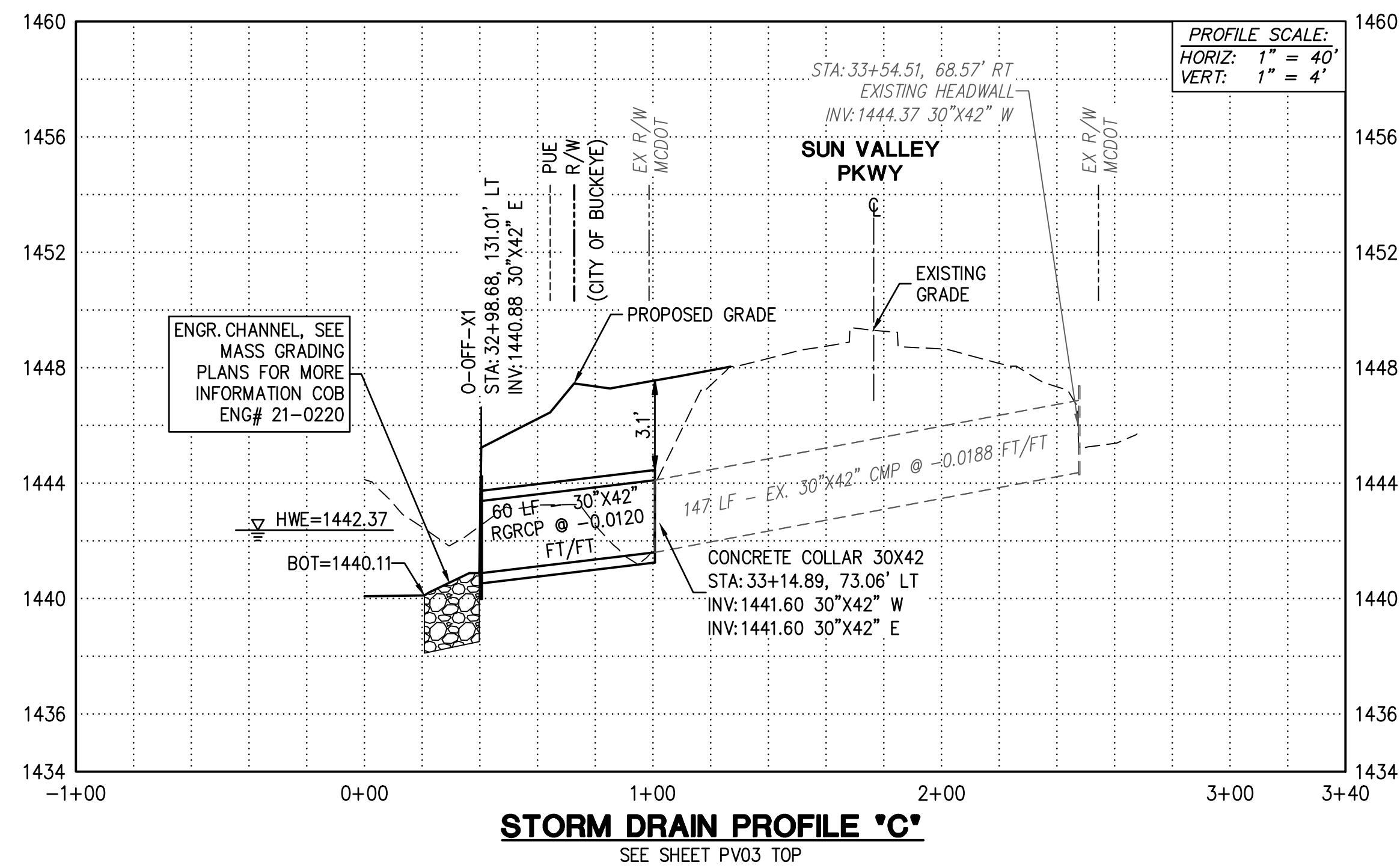
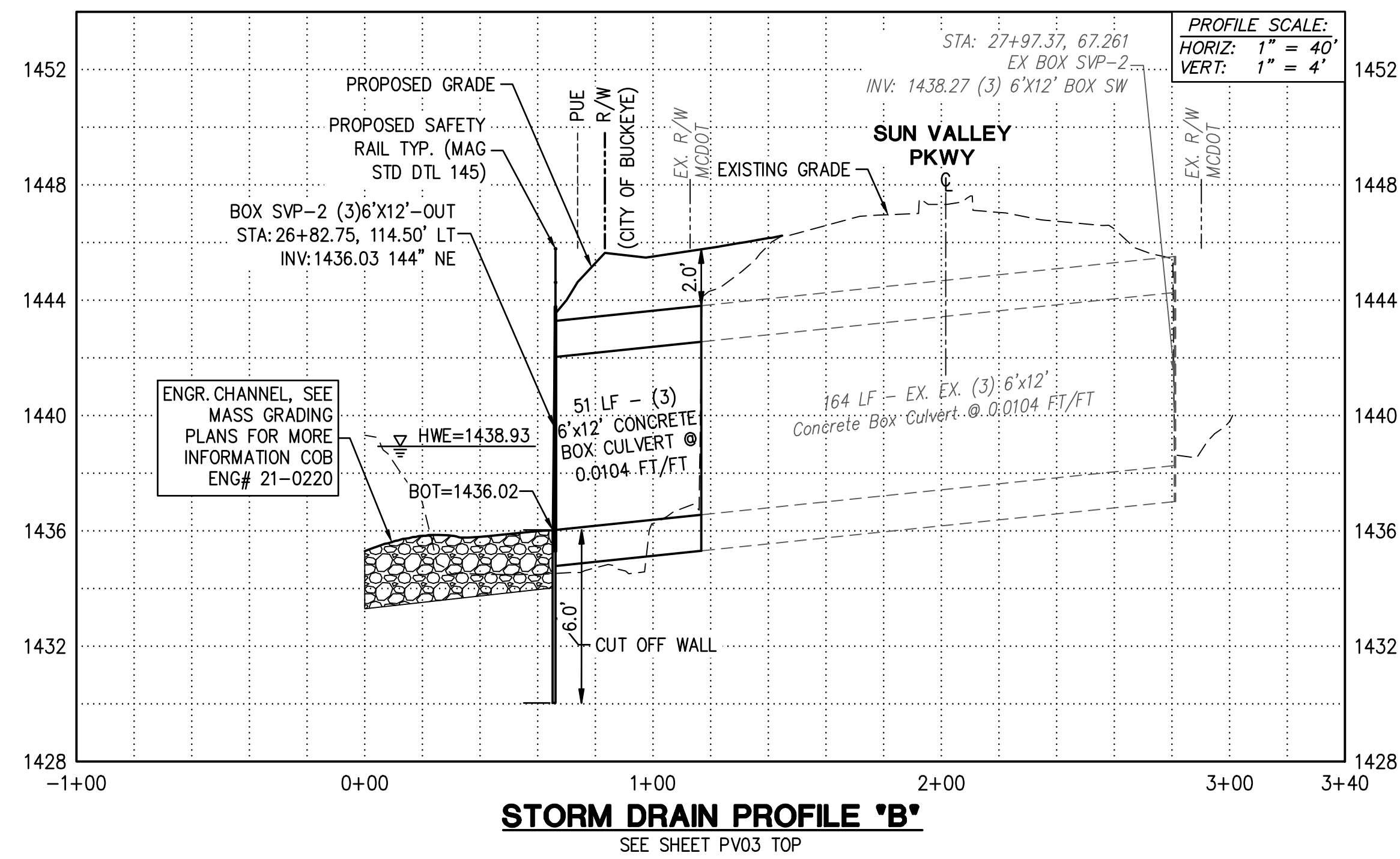
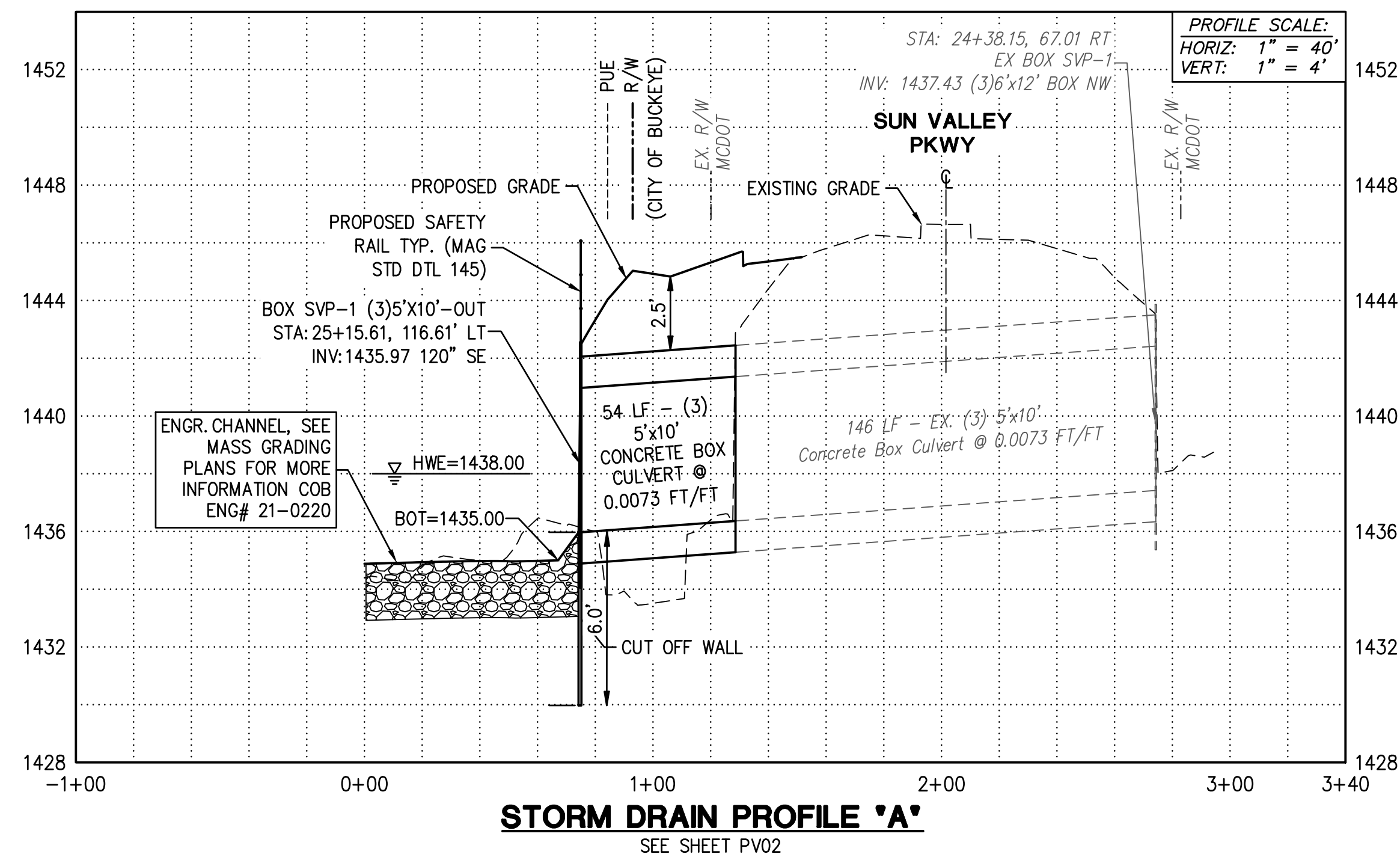
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SHEET NUMBER: PV04  
SHT10 OF 13

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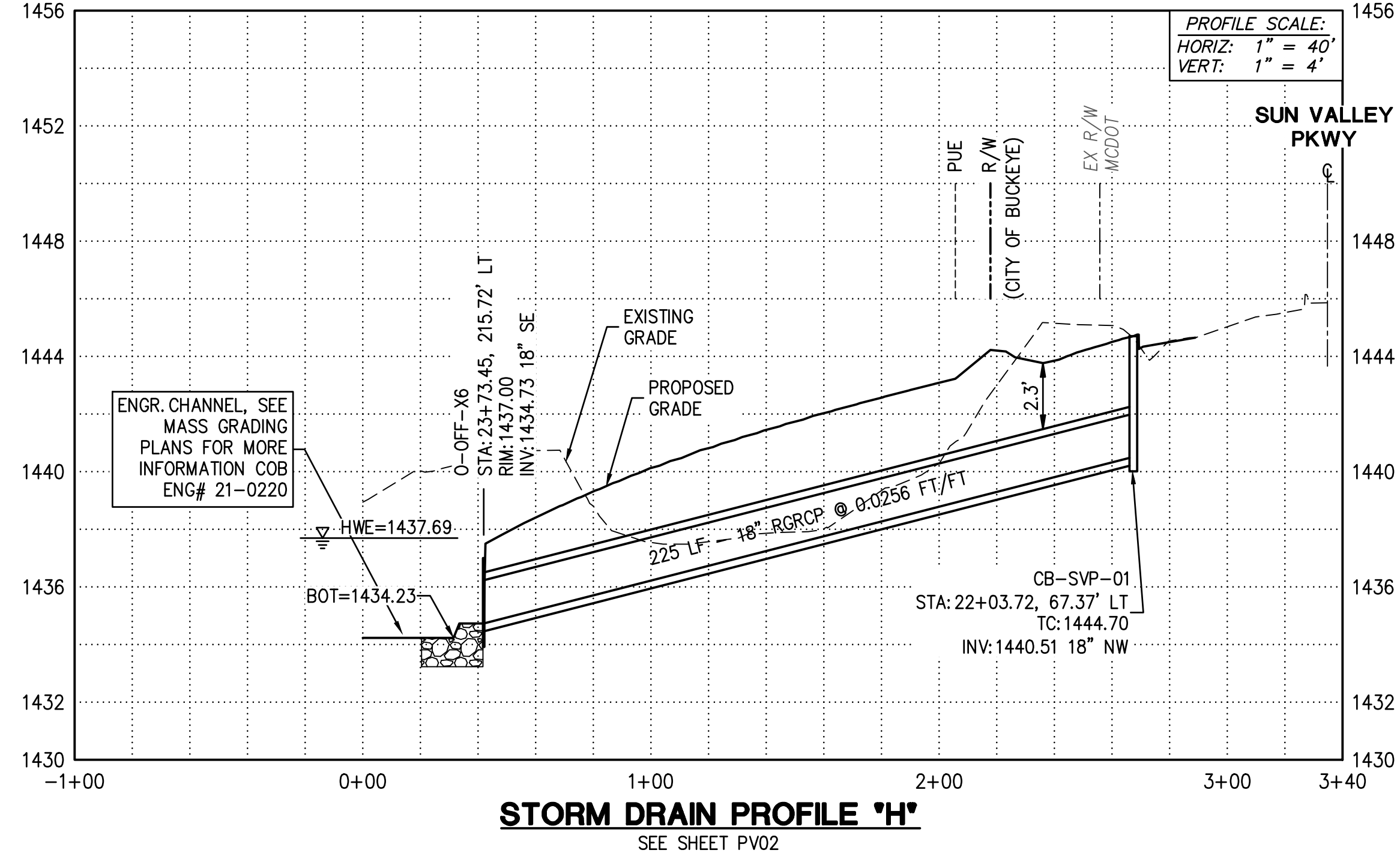
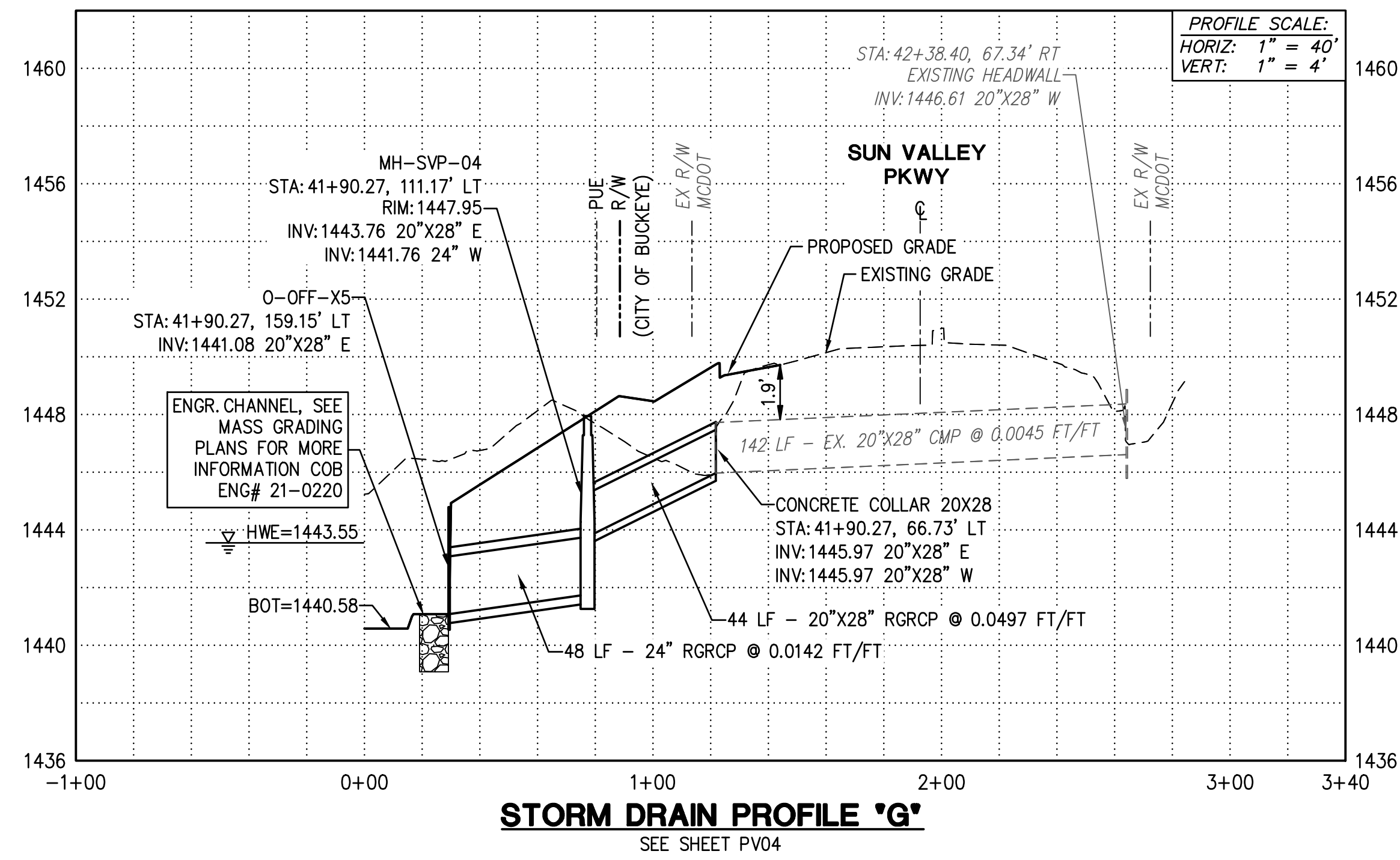
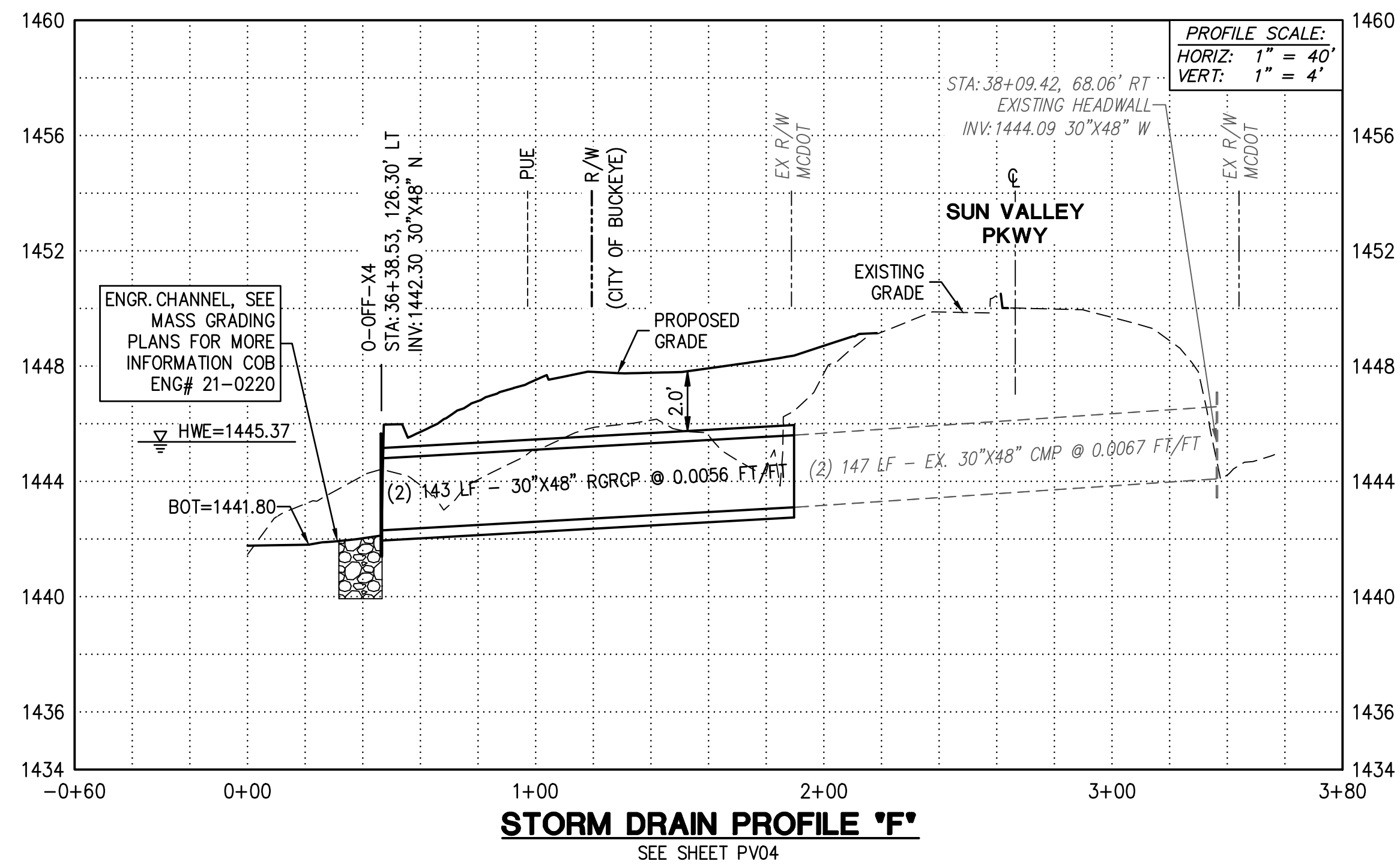
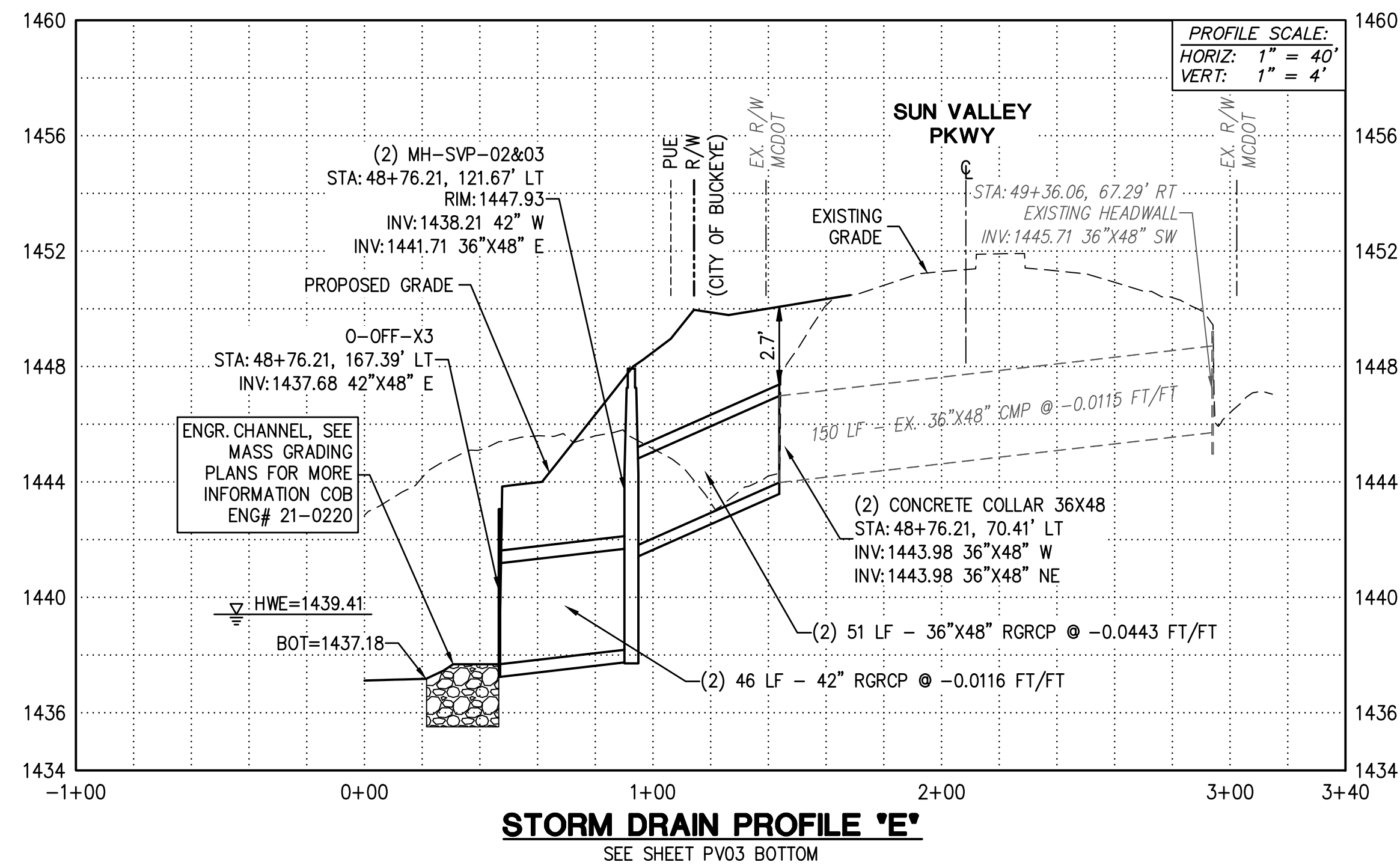


**TC202200170**

<p>PLAN NAME</p> <p><b>FLOEO AT TERAVALIS</b></p> <p><b>STORM DRAIN PROFILES</b></p>			
<p>ENGINEER INFORMATION</p> <p><b>HILGARTWILSON</b></p>			
<p>COB PERMITTING APPROVED SEAL</p>	<p>COB ENGINEERING APPROVED SEAL</p>	<p>SUBMITTAL:</p> <p>2nd SUBMITTAL</p>	<p>ENG-21-0285</p> <p>ENG-21-0285</p>
<p>AS-BUILT SEAL</p>	<p>DESIGN SEAL</p>		
<p>ORIGINAL PLAN DATE</p> <p>July 21</p>		<p>LATEST REVISION DATE</p> <p>Apr-23</p>	
<p>PROJECT NUMBER</p> <p>1175</p>		<p>SHEET NUMBER</p> <p><b>SD01</b></p>	
		<p>SHT.11</p> <p>OF 13</p>	
		<p>COB PLAN TRACKING #</p> <p>COB PERMIT #</p>	



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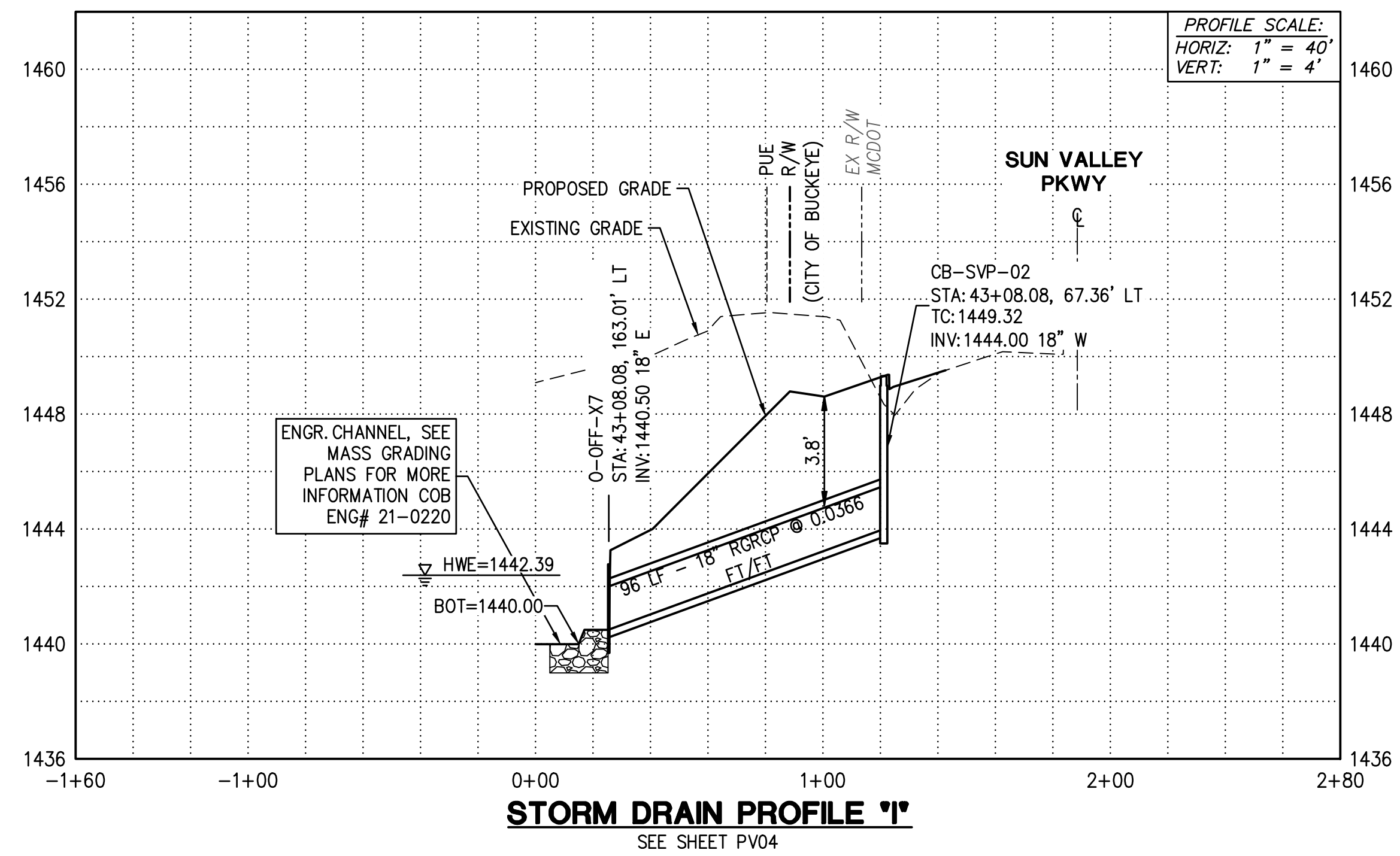


TC202200170

PLAN NAME <b>FLOEO AT TERAVALIS STORM DRAIN PROFILES</b>		SUBMITTAL: 2nd SUBMITTAL
ENGINEER INFORMATION <b>HILGARTWILSON</b>		
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	SUBMITTAL: ENG-21-0285 ENG-21-0285
AS-BUILT SEAL	DESIGN SEAL	
		COB PLAN TRACKING #
ORIGINAL PLAN DATE July 21	LATEST REVISION DATE Apr-23	COB PERMIT #
PROJECT NUMBER 1175	SHEET NUMBER <b>SD02</b> OF 13	



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PLAN NAME <b>FLOREO AT TERAVALIS STORM DRAIN PROFILES</b>			
ENGINEER INFORMATION <b>HILGARTWILSON</b>			
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	SUBMITTAL: 2nd SUBMITTAL	
AS-BUILT SEAL	DESIGN SEAL 	ENG-21-0285	ENG-21-0285
ORIGINAL PLAN DATE July 21	LATEST REVISION DATE Apr-23	COB PLAN TRACKING #	
PROJECT NUMBER 1175	SHEET NUMBER <b>SD02</b> OF 13	COB PERMIT #	

