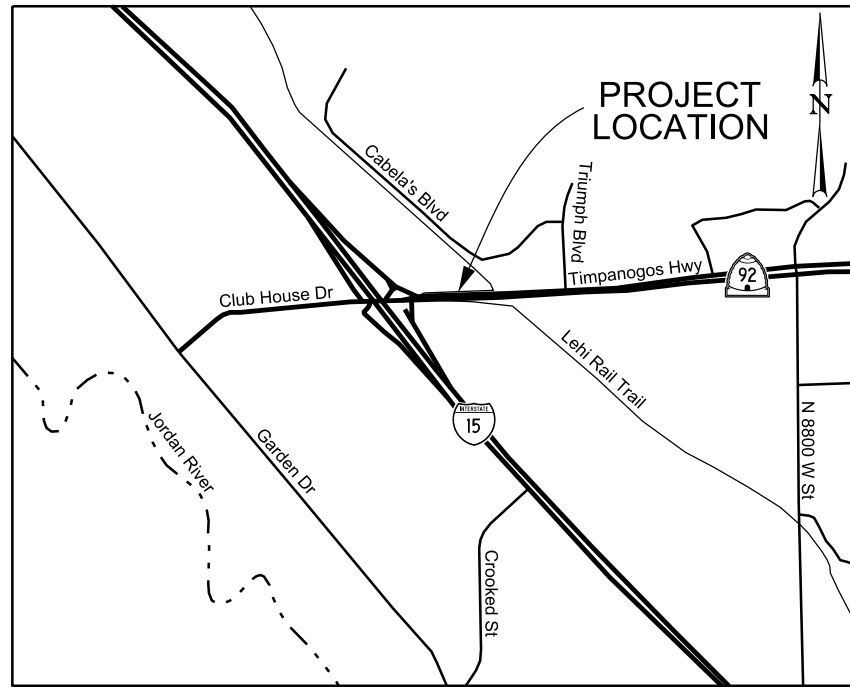


UTA

UTAH TRANSIT AUTHORITY

TIGER FIRST/LAST MILE PROGRAM

OVERPASS STRUCTURE
SR-92 & DIGITAL DRIVE
PROJECT: LEH_OP_1
LEHI, UTAH



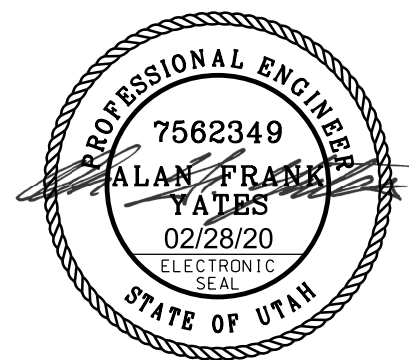
VICINITY MAP (NTS)

SHEET INDEX		
DRAWING	SHEET NO.	TITLE
CV	1 OF 1	COVER SHEET
GN-01	1 OF 2	GENERAL NOTES
GN-02	2 OF 2	GENERAL NOTES
CR-01	1 OF 1	CROSS REFERENCE
TS-01	1 OF 2	TYPICAL SECTION
TS-02	2 OF 2	TYPICAL SECTION
DT-01	1 OF 8	COLUMN PROTECTION DETAIL
DT-02	2 OF 8	WALL-A DETAIL
DT-03	3 OF 8	WALL-B DETAIL
DT-04	4 OF 8	WALL-C DETAIL
DT-05	5 OF 8	MSE WALL DETAIL
DT-06	6 OF 8	MURDOCK CANAL REALIGNMENT DETAIL
DT-07	7 OF 8	SWITCHBACK PAD GRADING DETAIL
DT-08	8 OF 8	SIGN DETAIL
MUP-01	1 OF 10	PATH
MUP-01A	2 OF 10	PATH PROFILE
MUP-02	3 OF 10	PATH
MUP-02A	4 OF 10	PATH PROFILE
MUP-02B	5 OF 10	PATH PROFILE
MUP-03	6 OF 10	PATH
MUP-03A	7 OF 10	PATH PROFILE
MUP-04	8 OF 10	PATH
MUP-04A	9 OF 10	PATH PROFILE
MUP-04B	10 OF 10	PATH PROFILE
DRDT-01	1 OF 6	DRAINAGE GENERAL NOTES
DRDT-02	2 OF 6	DRAINAGE STRUCTURE PLACEMENT/CONNECTION DETAIL
DRDT-03	3 OF 6	RIPRAP PLACEMENT DETAIL
DRDT-04	4 OF 6	DETENTION BASIN GRADING DETAIL
DRDT-05	5 OF 6	DITCH DETAILS
DRDT-06	6 OF 6	PAD TIE-IN DETAIL
DR-01	1 OF 7	DRAINAGE
DR-02	2 OF 7	DRAINAGE
DR-02A	3 OF 7	DRAINAGE PROFILE
DR-03	4 OF 7	DRAINAGE
DR-03A	5 OF 7	DRAINAGE PROFILE
DR-04	6 OF 7	DRAINAGE
DR-04A	7 OF 7	DRAINAGE PROFILE

STRUCTURE SHEET INDEX		
DRAWING	SHEET NO.	TITLE
BR-01	1 OF 31	SITUATION AND LAYOUT 1 OF 2
BR-02	2 OF 31	SITUATION AND LAYOUT 2 OF 2
BR-03	3 OF 31	FOUNDATION PLAN
BR-04	4 OF 31	DRILLED SHAFT DETAILS
BR-05	5 OF 31	ABUTMENT PLAN AND ELEVATION
BR-06	6 OF 31	ABUTMENT DETAILS
BR-07	7 OF 31	WINGWALL DETAILS
BR-08	8 OF 31	BENT PLAN AND ELEVATION
BR-09	9 OF 31	BENT DETAILS
BR-10	10 OF 31	FRAMING PLAN 1 OF 2
BR-11	11 OF 31	FRAMING PLAN 2 OF 2
BR-12	12 OF 31	UBT74 GIRDER DETAILS 1 OF 2
BR-13	13 OF 31	UBT74 GIRDER DETAILS 2 OF 2
BR-14	14 OF 31	BENT BEARING PAD AND GRAFFITI PLATE DETAILS
BR-15	15 OF 31	INTERMEDIATE DIAPHRAGM DETAILS
BR-16	16 OF 31	DECK PLAN 1 OF 2
BR-17	17 OF 31	DECK PLAN 2 OF 2
BR-18	18 OF 31	DECK SECTION
BR-19	19 OF 31	ABUTMENT DIAPHRAGM DETAILS
BR-20	20 OF 31	ABUTMENT EXPANSION BEARINGS
BR-21	21 OF 31	APPROACH SLAB PLAN
BR-22	22 OF 31	APPROACH SLAB DETAILS
BR-23	23 OF 31	APPROACH SLAB DRAIN DETAILS
BR-24	24 OF 31	BENT DIAPHRAGM DETAILS 1 OF 2
BR-25	25 OF 31	BENT DIAPHRAGM DETAILS 2 OF 2
BR-26	26 OF 31	SCREED ELEVATIONS 1 OF 2
BR-27	27 OF 31	SCREED ELEVATIONS 2 OF 2
BR-28	28 OF 31	FENCING DETAILS
BR-29	29 OF 31	AESTHETIC DETAILS
BR-30	30 OF 31	REINFORCING SCHEDULE 1 OF 2
BR-31	31 OF 31	REINFORCING SCHEDULE 2 OF 2



THIS SEAL APPLIES TO ALL SHEETS
CONTAINING THE INSCRIBED SIGNATURE



THIS SEAL APPLIES TO ALL SHEETS
CONTAINING THE INSCRIBED SIGNATURE

RFC

DATE: FEBRUARY 28 2020

03-MAR-2020 D:\N File: IP: P:\P\ad0344485\LEH_OP_1-CV.dgn

REV	DATE	DESCRIPTION

Designed By	MSN
Drawn By	BLP
Checked By	NLB
Approved By	ALK

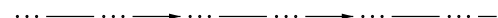
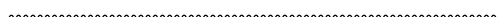
COVER SHEET

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

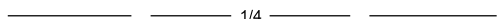
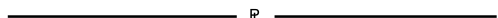
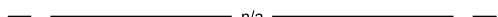
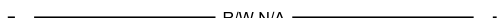
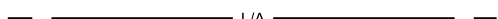
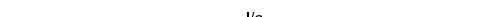
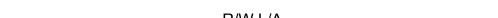
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UTA Contract No. 18-2399TP	
Drawing CV	Sheet No. 1 OF 1

03-MAR-2020 D:\CDN File: IP: P:\P\p\0344489\LEH.OP_1-GN-01.dgn

SURFACE FEATURE LINE STYLES

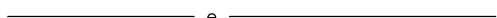
	CUT	CUT CATCH LINE
	FILL	FILL CATCH LINE
		BUILDING
		FENCE, CHAIN LINK
		Fence, Chain Link Existing
		FENCE, WIRE
		Fence, Wire Existing
		FLOW LINE
		Flow Line Existing
		GUARDRAIL
		Guardrail Existing
		NOISE WALL
		Noise Wall Existing
		RAILROAD
	PAVE CUT	PAVEMENT CUTTING
		SEDIMENT BARRIER
		SILT FENCE
		STRAW BALE
		VEGETATION LINE
		CONCRETE BARRIER
		Concrete Barrier Existing
		River Existing

RIGHT OF WAY LINE STYLES

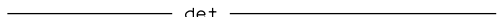
	SEC	SECTION LINE
	1/4	QUARTER SECTION LINE
	40	40 ACRE LINE
	R	PROPERTY LINE
	N/A	HWY NO-ACCESS LINE
	n/a	Existing No-Access Line
	R/W N/A	HWY R/W & NO-ACCESS LINE
	r/w n/a	Existing R/W & No-Access Line
	L/A	HWY LIMITED-ACCESS LINE
	l/a	Existing Limited-Access Line
	R/W L/A	HWY R/W & LIMITED-ACCESS LINE
	r/w l/a	Existing R/W & Limited-Access Line
	RR	RAILROAD R/W LINE
	rr	Existing Railroad R/W Line
	FRTG R/W	FRONTAGE ROAD R/W
	frtg r/w	Existing Frontage Road R/W
	R/W	HIGHWAY R/W
	r/w	Existing Highway R/W
	PE	PERPETUAL EASEMENT
	pe	Existing Perpetual Easement
	TE	TEMPORARY EASEMENT

LINE STYLES

SUBSURFACE/OVERHEAD LINE STYLES

	BCTV	CABLE BURIED
	bctv	Cable Buried Existing
	CTV	CABLE OVERHEAD
	ctv	Cable Overhead Existing
	PC	PIPE CULVERT
	BE	ELECTRIC BURIED
	be	Electric Buried Existing
	E	ELECTRIC OVERHEAD
	e	Electric Overhead Existing
	FO	FIBER OPTICS
	fo	Fiber Optics Existing
	G	GAS
	g	Gas Existing
	SWR	SANITARY SEWER
	swr	Sanitary Sewer Existing
	SD	STORM DRAIN
	sd	Storm Drain Existing
	BTEL	TELEPHONE BURIED
	btel	Telephone Buried Existing
	TEL	TELEPHONE OVERHEAD
	tel	Telephone Overhead Existing
	WTR	WATER
	wtr	Water Existing

SIGNAL LINE STYLES

	pwr	Power Source Circuit Existing
	PWR	POWER SOURCE CIRCUIT
	sig	Signal Circuit Existing
	SIG	SIGNAL CIRCUIT
	ped	Pedestrian Circuit Existing
	PED	PEDESTRIAN CIRCUIT
	psh	Push Button Circuit Existing
	PSH	PUSH BUTTON CIRCUIT
	det	Detection Circuit Existing
	DET	DETECTION CIRCUIT
	fut	Future Conduit Existing
	FUT	FUTURE CONDUIT
	ltg	Lighting Circuit Existing
	LTG	LIGHTING CIRCUIT
	vid	Video Detection Circuit Existing
	VID	VIDEO DETECTION CIRCUIT
	rad	Radar Detection Circuit Existing
	RAD	RADAR DETECTION CIRCUIT
	pem	Preemption Circuit Existing
	PEM	PREEMPTION CIRCUIT

SYMBOLS

	ATMS CABINET		JUNCTION BOX
	Bench Mark		LIGHT POLE
	Cable TV Box		UTILITY POLE
	Electrical Transformer		PS POWER SOURCE
	Center Line		MAIL BOX
	Section Corner Found		MANHOLE ELECTRIC
	Section Corner Not Found		MANHOLE GAS
	CURB RETURN RADIUS		MANHOLE TELEPHONE
	Geotech Drill Hole		MANHOLE STORM DRAIN
	SUE Test Hole		MANHOLE SANITARY SEWER
	TREE		MANHOLE WATER
	Fire Hydrant		MONUMENT
	Valve		24:E
	SIGN, GAS		PARCEL BALLOON
	Gate Post		RIGHT OF WAY MARKER
	Guy Wire or Anchor		SIGN (SINGLE POST)
	HORIZONTAL CURVE (#)		SIGN (DOUBLE POST)
	HORIZONTAL/VERTICAL P.I.		Signal Pole Existing
	HORIZONTAL/VERTICAL CURVE POINT		Delineator
	METER		Water Well
	JUNCTION BOX STREET LIGHT		UNDERGROUND SERVICE PED

PROJECT SPECIFIC SYMBOLS AND LINE STYLES

	CURB & GUTTER EXISTING
	CURB & GUTTER
	RETENTION BASIN / BERM
	SIDEWALK / MULTI-USE PATH
	EDGE OF SHOULDER
	STORM DRAIN PIPES

NOTE:
THE LINE STYLES AND SYMBOLS CONTAINED HEREIN ARE NOT ALL INCLUSIVE. ANY
ADDITIONAL LINE STYLES NOT SHOWN HERE ARE SHOWN ON THEIR RESPECTIVE SHEETS
WITHIN A LEGEND.

GENERAL NOTES

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename
LEH_OP_1-GN-01.dgn

UTA Contract No.
18-2399TP

Drawing	Sheet No.
GN-01	1 OF 2

Designed By MSN
Drawn By DCV
Checked By NLB
Approved By ALK



Auth Kitch



GENERAL:

- DEPARTMENT = UTA
ENGINEER = DULY AUTHORIZED REPRESENTATIVE OF LEHI CITY OR UTA
OWNER = LEHI CITY
UTA = UTAH TRANSIT AUTHORITY

STREET:

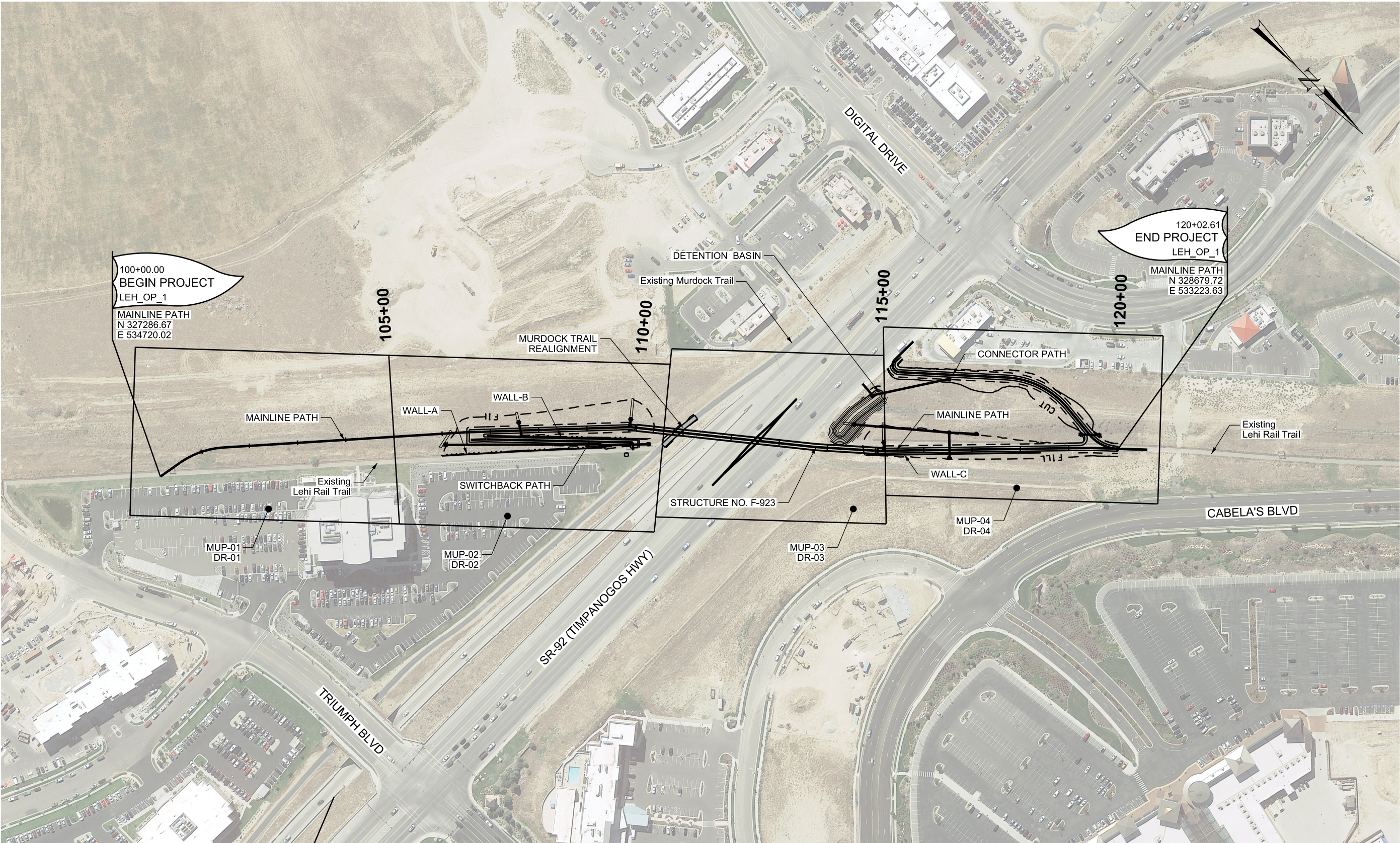
- ADA GENERAL NOTES:

- EROSION CONTROL:

8. EROSION CONTROL MEASURES SHALL REMAIN INTACT UNTIL FINAL RESTORATION OF THE SITE IS COMPLETE.
9. EROSION CONTROL DEVICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE END OF THE WORK DAY.
10. TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AT THE COMPLETION OF CONSTRUCTION AFTER STABILIZATION AND PERMANENT LANDSCAPING HAS BEEN INSTALLED.
11. CONTRACTOR IS RESPONSIBLE FOR MINIMIZING TRACKING OF SOIL AND DEBRIS ONTO ADJACENT PROPERTIES AND ROADWAYS. ALL OFF SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION WORK OR A STORM EVENT SHALL BE CLEANED UP BY THE END OF EACH DAY.
12. CONTRACTOR SHALL DESIGNATE A PERSON RESPONSIBLE FOR MONITORING AND MAINTAINING THE SWPPP, WHICH MUST BE AVAILABLE ONSITE FOR REVIEW BY CITY STAFF. THE SWPPP MUST BE MAINTAINED WITH A MINIMUM WEEKLY RECORD INSPECTION.
13. REFER TO UDOT 2017 STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION AND THIS PLAN SET'S EROSION CONTROL DETAILS.
14. PROVIDE DROP-INLET BARRIERS ON NEW AND EXISTING DOWNSTREAM CURB INLETS AS NOTED ON DR SHEETS.
15. INSTALL STABILIZED CONSTRUCTION ENTRANCE(S) AS DEEMED APPROPRIATE BY THE ENGINEER. INSPECT DAILY FOR LOSS OF GRAVEL OR SEDIMENT BUILDUP. REPAIR ACCESS AND REPLACE GRAVEL AS REQUIRED TO MAINTAIN CONTROL IN GOOD WORKING CONDITION.

AGGR	AGGREGATE
APPR	APPROXIMATELY
AR MH	AIR RELEASE MANHOLE
ARV	AIR RELEASE VALVE
ASSY.	ASSEMBLY
AVE	AVENUE
B.O.	BY OTHERS
BOA	BEGINNING OF ALIGNMENT
BOP	BEGINNING OF PROJECT
BVC	BEGIN VERTICAL CURVE
CB	CATCH BASIN
TCE	TEMPORARY CONSTRUCTION
	EASEMENT LINE
CF	CUBIC FEET
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CU	COPPER
CY/CU YD	CUBIC YARD
DIA	DIAMETER
DR	DRIVE
DRWY	DRIVEWAY
E.	EAST
EA	EACH
EOA	END OF ALIGNMENT
EOP	EDGE OF PAVEMENT
EVC	END VERTICAL CURVE
ex	EXISTING
es	FLARED END SECTION
FL	FLOWLINE
FO	FIBER OPTIC
HDPE	HIGH-DENSITY POLYETHYLENE
HOR	HORIZONTAL
IN	INCH
I.D.	INSIDE DIAMETER
INV	INVERT
IRR	IRRIGATION
LB	POUND
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
NO.	NUMBER
NTS	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
POLY	POLYETHYLENE
PP	POWER POLE
PRC	POINT OF REVERSE CURVATURE
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
RAD	RADIUS
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
ROW	RIGHT-OF-WAY
RR	RAILROAD
SD	STORM DRAIN
SF/SQ FT	SQUARE FEET
SLRP	SMOOTH, LEAK RESISTANT PIPE
SWR	SANITARY SEWER
ST	STREET
STA	STATION
STD	STANDARD
SY/SQ YD	SQUARE YARD
TBC	TOP BACK OF CURB
TBR	TO BE REMOVED
TYP.	TYPICAL
VAR.	VARIES
WAT	WATER

			Designed By			GENERAL NOTES LEHI CITY LEH_OP_1 PED OVERPASS STRUCTURE - UDOT STR NO. F-923 SR-92 & DIGITAL DRIVE	CADD Filename LEH_OP_1-GN-02.dgn	
			MSN				UTA Contract No. 18-2399TP	
			Drawn By				Drawing	Sheet No.
			DCV				GN-02	2 OF 2
			Checked By					
			NLB					
			Approved By					
			ALK					
REV	DATE	DESCRIPTION						



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REV	DATE	DESCRIPTION

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Drawn By	DCV
Checked By	NLB
Approved By	ALK



CivilScience
Engineers | Surveyors | Solutions



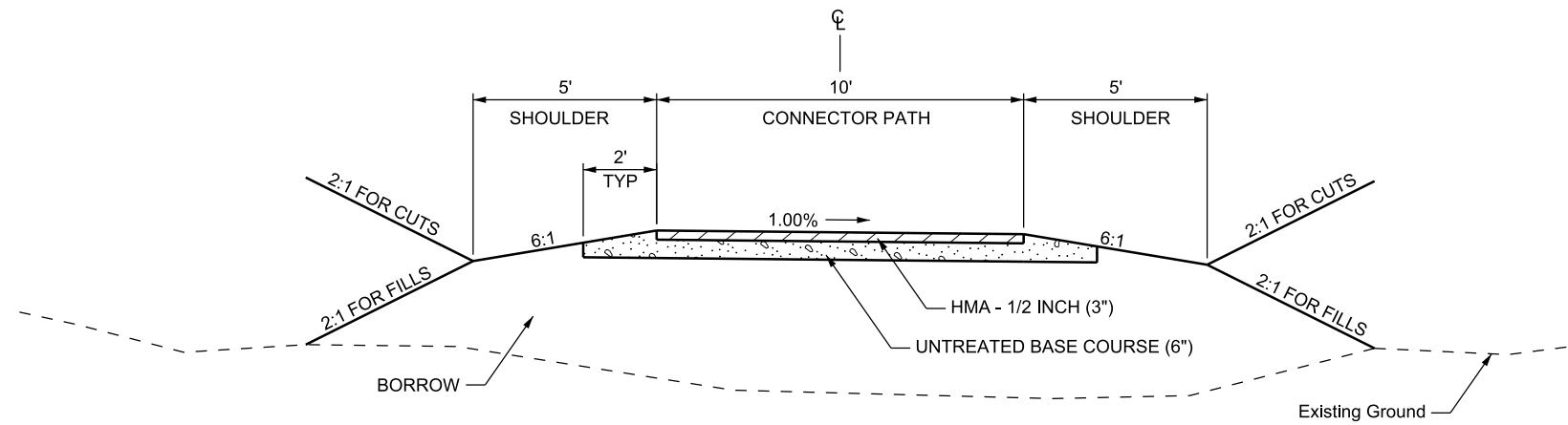


UTA

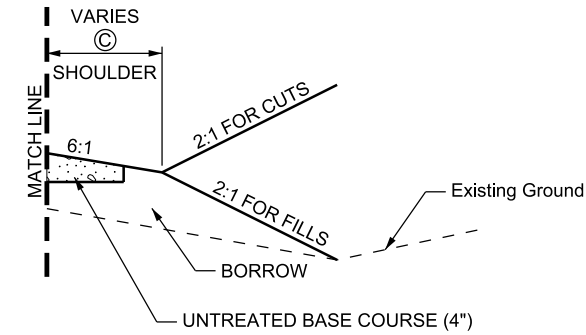
CROSS REFERENCE

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

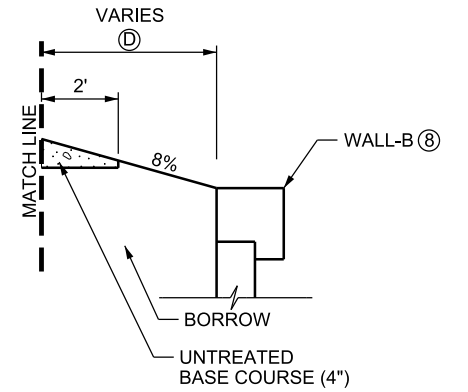
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Drawing CR-01	Sheet No. 1 OF 1



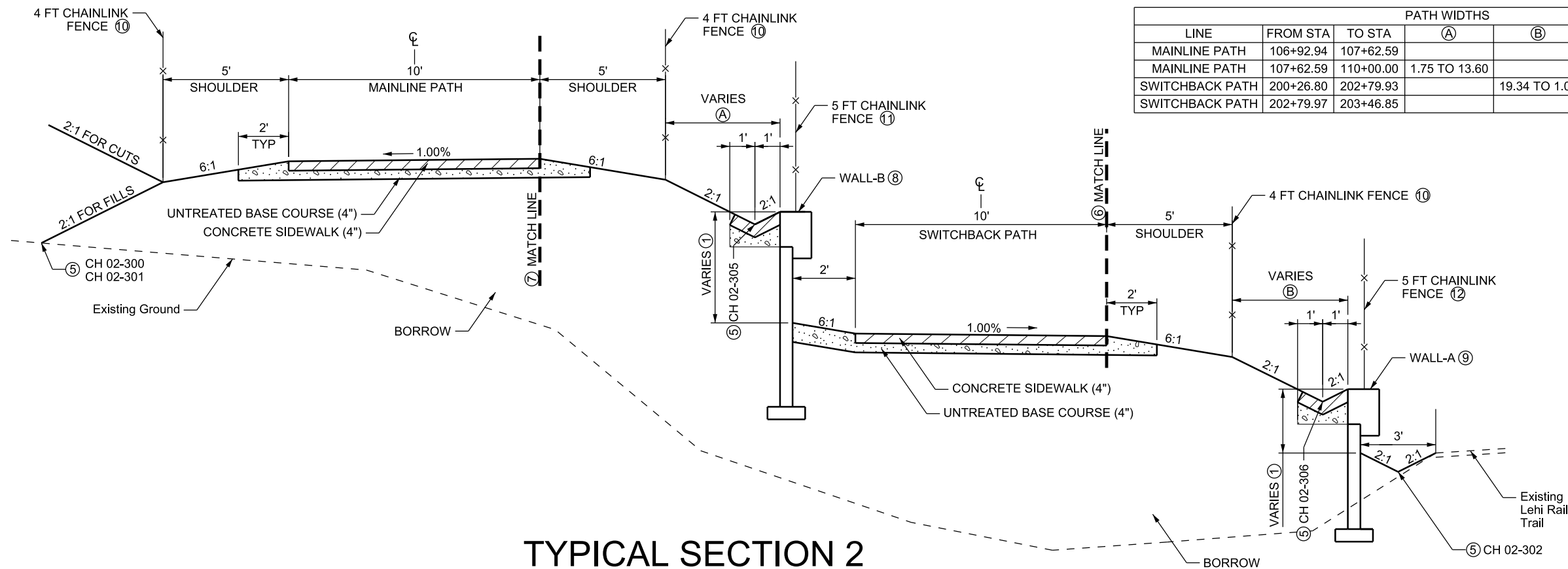
TYPICAL SECTION 1
CONNECTOR PATH
300+64.55 TO 305+21.52



SIDE TREATMENT A
SWITCHBACK PATH
202+79.97 TO 203+46.85



SIDE TREATMENT B
MAINLINE PATH
106+92.94 TO 107+62.59



TYPICAL SECTION 2

MAINLINE PATH
106+92.94 TO 110+00.00

SWITCHBACK PATH
200+26.80 TO 203+46.85

PATH WIDTHS						
LINE	FROM STA	TO STA	(A)	(B)	(C)	(D)
MAINLINE PATH	106+92.94	107+62.59				3.10 TO 6.75
MAINLINE PATH	107+62.59	110+00.00	1.75 TO 13.60			
SWITCHBACK PATH	200+26.80	202+79.93		19.34 TO 1.00		
SWITCHBACK PATH	202+79.97	203+46.85			5.00 TO 3.00	

NOTES:

- SEE WALL DETAILS FOR WALL HEIGHTS.
- STRIP, STOCKPILE, AND SPREAD TOPSOIL.
STRIP AT A 4-INCH MINIMUM THICKNESS, TOPSOIL FROM EDGE CATCH POINT TO EDGE CATCH POINT.
SPREAD TOPSOIL AT A 4-INCH MINIMUM THICKNESS ON ALL DISTURBED SLOPES UP TO THE UNTREATED BASE COURSE.
- DRILL SEED ON ALL DISTURBED SLOPES 3:1 AND FLATTER, BROADCAST SEED ON ALL SLOPES STEEPER THAN 3:1.
- HECP TYPE 1 ON ALL SLOPES 2:1 AND FLATTER.
- SEE DRDT-05 FOR DITCH DETAILS.
- REFER TO SIDE TREATMENT A ON THIS SHEET FOR LOCATIONS WHERE SIDE TREATMENTS DIFFER FROM THIS LOCATION.
- REFER TO SIDE TREATMENT B ON THIS SHEET FOR LOCATIONS WHERE SIDE TREATMENTS DIFFER FROM THIS LOCATION.
- SEE DT-03 AND DT-05 FOR WALL-B DETAILS.
- SEE DT-02 AND DT-05 FOR WALL-A DETAILS.
- SEE MUP-02 FOR FENCE LOCATION.
- SEE MUP-02, DT-03 AND DT-05 FOR WALL-B FENCE LOCATION AND DETAILS.
- SEE MUP-02, DT-02 AND DT-05 FOR WALL-B FENCE LOCATION AND DETAILS.

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REV	DATE	DESCRIPTION

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Drawn By	DCV
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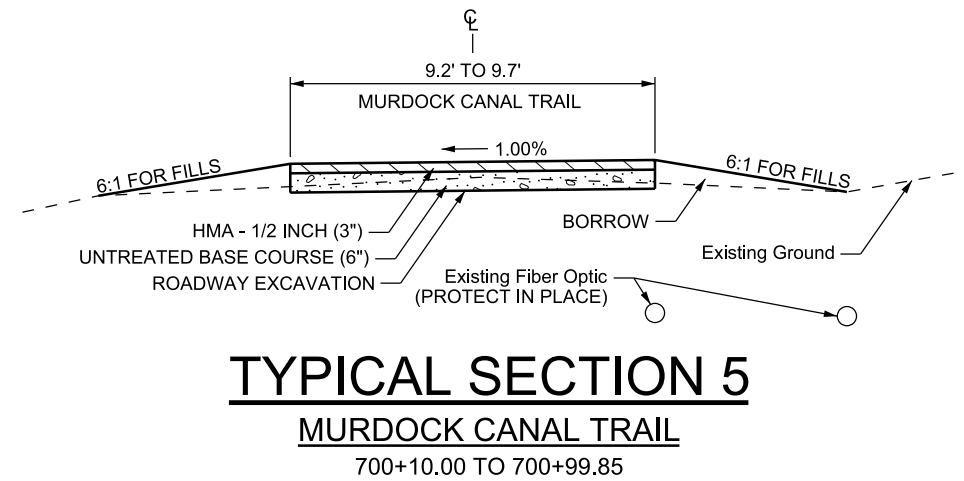
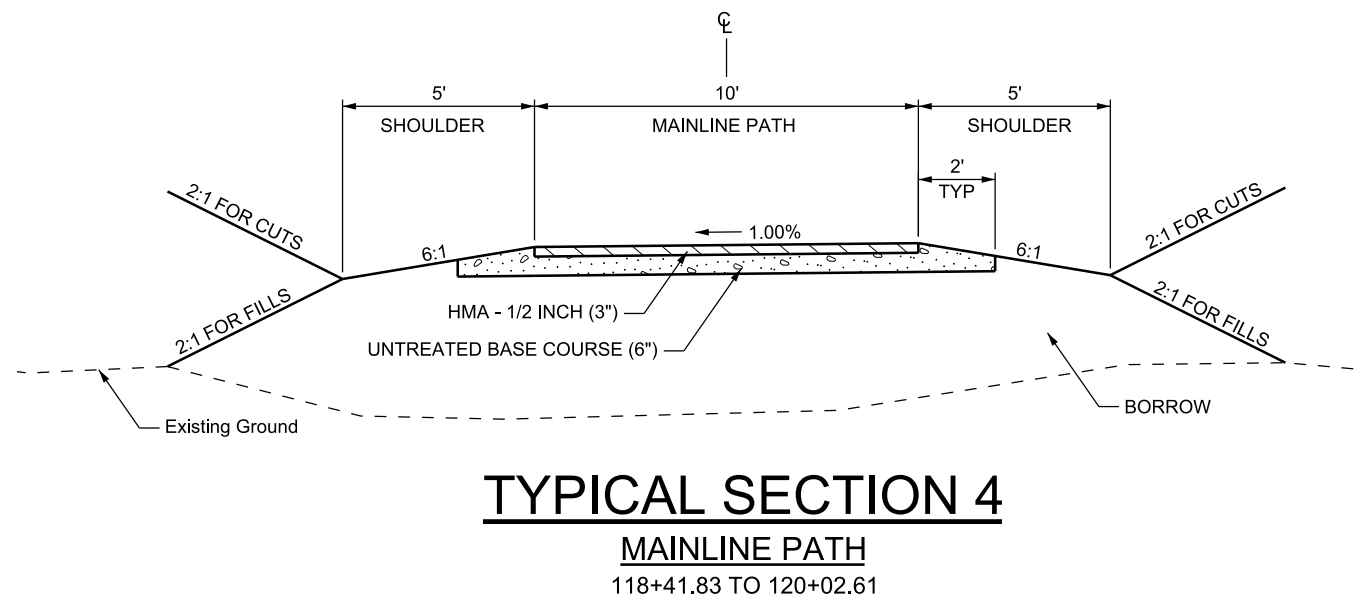
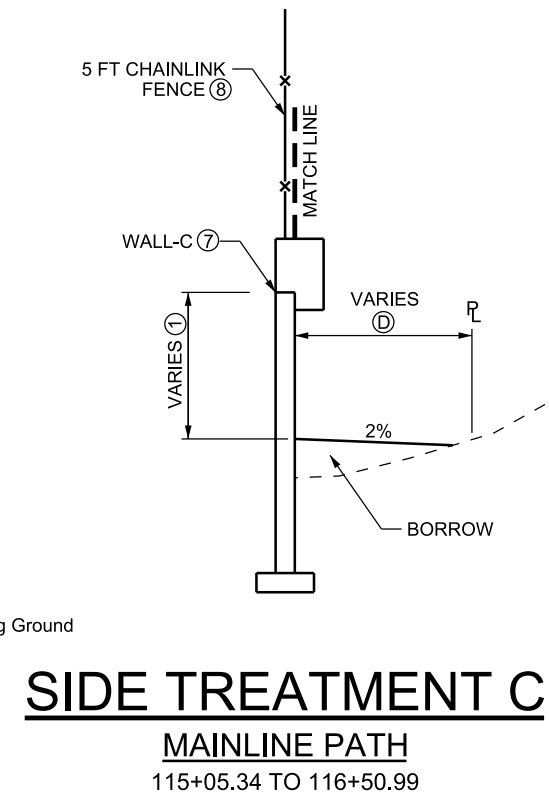
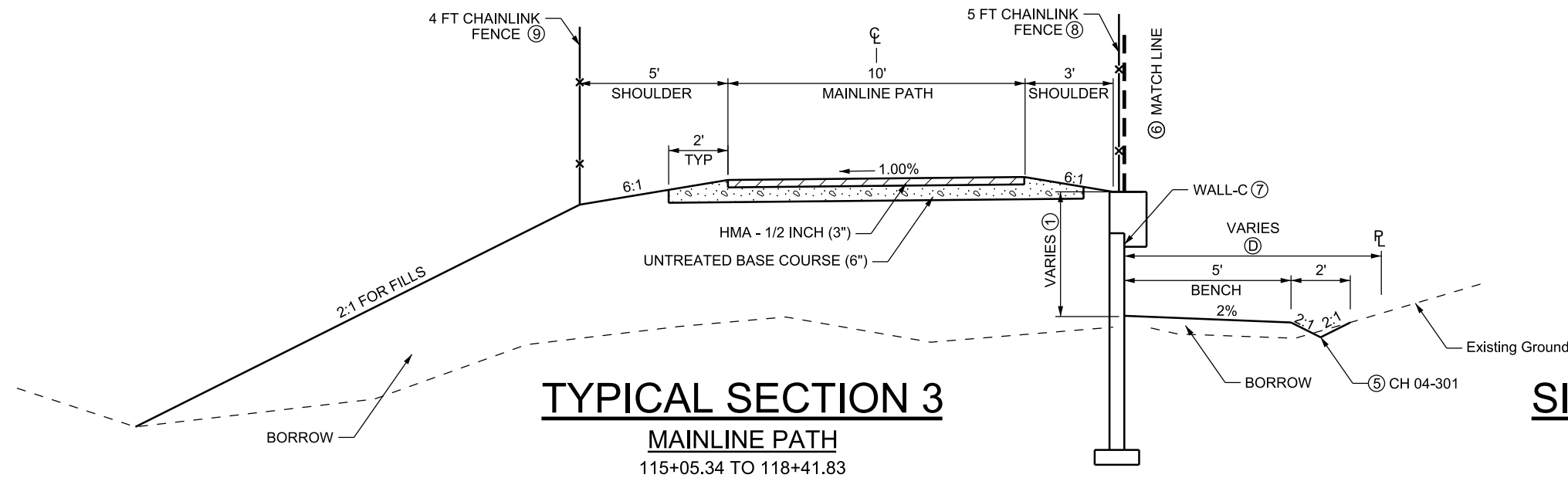
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TYPICAL SECTION

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename LEH_OP_1-TS-01.dgn	
UTA Contract No. 18-2399TP	
Drawing TS-01	Sheet No. 1 OF 2



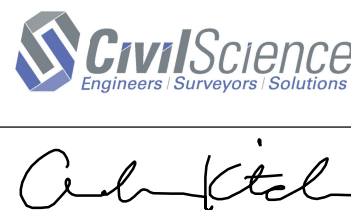
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 - HECP TYPE 1 ON ALL SLOPES 2:1 AND FLATTER.
 - SEE DRDT-05 FOR DITCH DETAILS.
 - REFER TO SIDE TREATMENT C ON THIS SHEET FOR LOCATIONS WHERE SIDE TREATMENTS DIFFER FROM THIS LOCATION.
 - SEE DT-04 AND DT-05 FOR WALL-C DETAILS.
 - SEE MUP-03, MUP-04, DT-04 AND DT-05 FOR FENCE LOCATION AND DETAILS.
 - SEE MUP-03 AND MUP-04 FOR FENCE LOCATION.

PATH WIDTHS			
LINE	FROM STA	TO STA	①
MAINLINE PATH	115+05.34	116+50.99	6.00 TO 15.00
MAINLINE PATH	116+50.99	118+41.83	15.00 TO 27.62

03-MAR-2020 DGN File: IP:\PWP\ad0344489\LEH.OP-1-TS-02.dgn

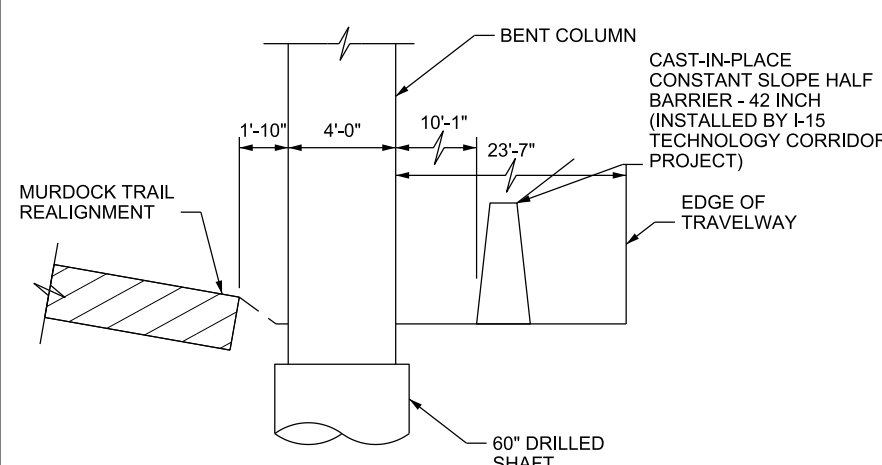
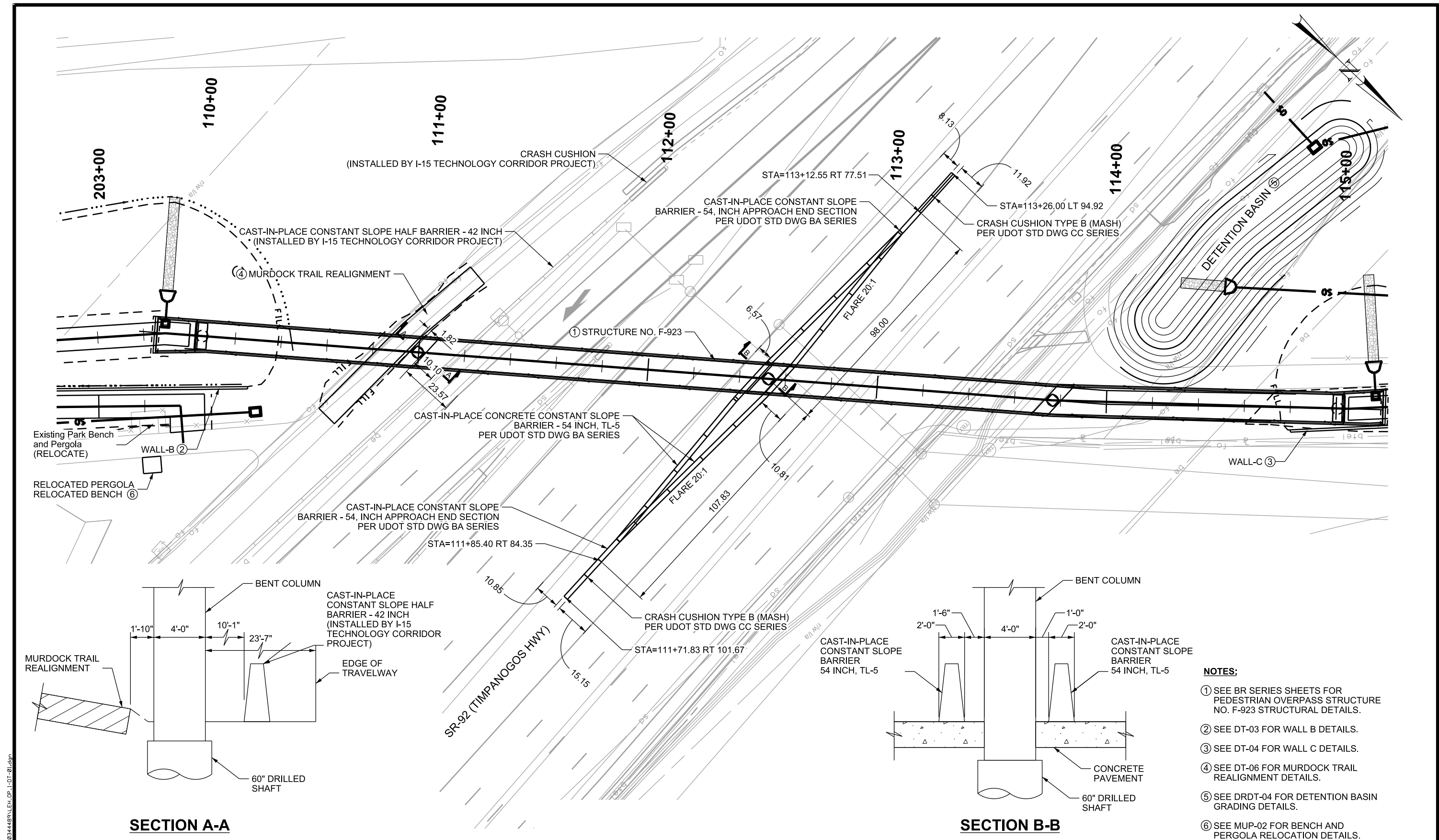
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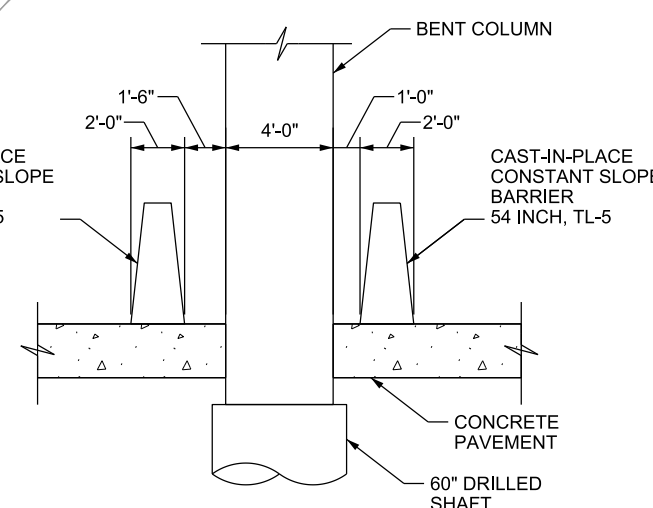


TYPICAL SECTION
LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename LEH_OP_1-TS-02.dgn	
UTA Contract No. 18-2399TP	
Drawing TS-02	Sheet No. 2 OF 2



SECTION A-A



SECTION B-B

- NOTES:**
- ① SEE BR SERIES SHEETS FOR PEDESTRIAN OVERPASS STRUCTURE NO. F-923 STRUCTURAL DETAILS.
 - ② SEE DT-03 FOR WALL B DETAILS.
 - ③ SEE DT-04 FOR WALL C DETAILS.
 - ④ SEE DT-06 FOR MURDOCK TRAIL REALIGNMENT DETAILS.
 - ⑤ SEE DRDT-04 FOR DETENTION BASIN GRADING DETAILS.
 - ⑥ SEE MUP-02 FOR BENCH AND PERGOLA RELOCATION DETAILS.

03-MAR-2020 DCN File: IP: P:\P\p\0344489\LEH_OP_1-DT-01.dgn

REV	DATE	DESCRIPTION

Designed By	MSN
Drawn By	DCV
Checked By	NLB
Approved By	ALK



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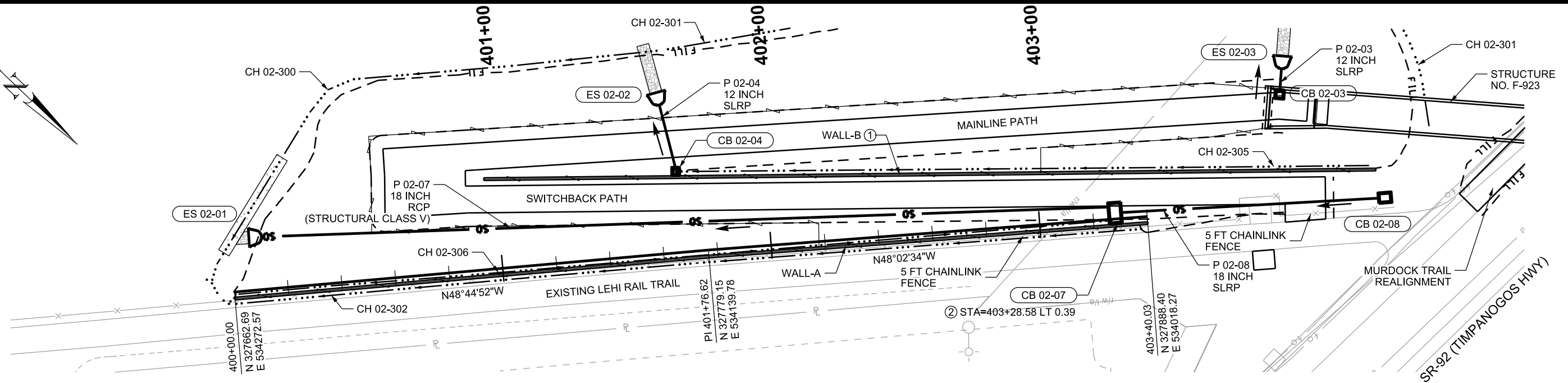
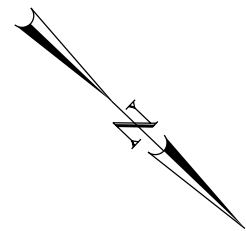
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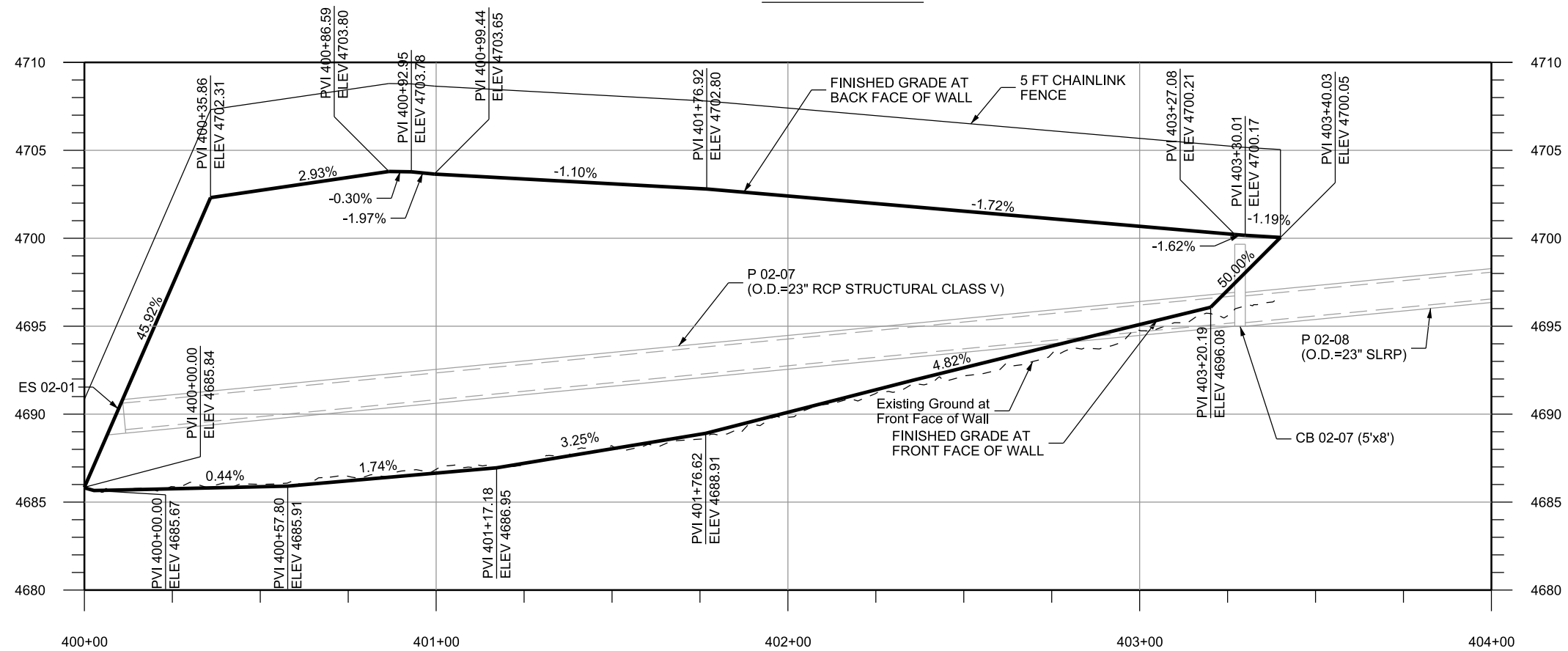
COLUMN PROTECTION DETAIL

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename LEH_OP_1-DT-01.dgn	
UTA Contract No. 18-2399TP	
Drawing DT-01	Sheet No. 1 OF 8



WALL-A PLAN



WALL-A PROFILE

NOTES:

- SEE DT-03 FOR WALL-B DETAILS.
- STATIONS AND OFFSETS OF CATCH BASINS ARE CALLED OUT TO CENTER OF BOX.
- SEE DT-05 FOR MSE WALL DETAILS.

03-MAR-2020 D:\N File: IP_PWP\p0344489\LEH_OP_1-DT-02.dgn

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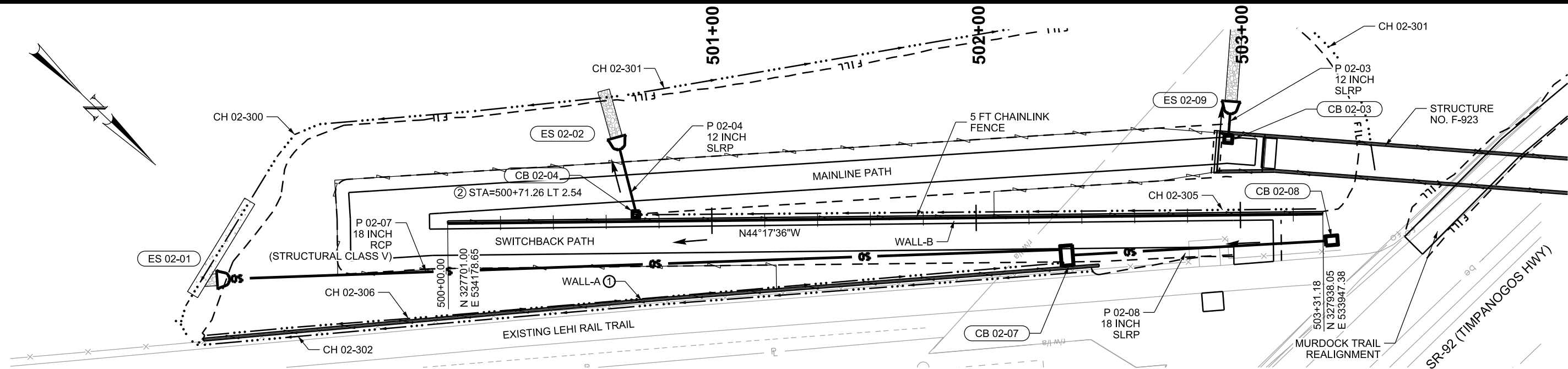
Designed By	MSN
Drawn By	DCV
Checked By	NLB
Approved By	ALK



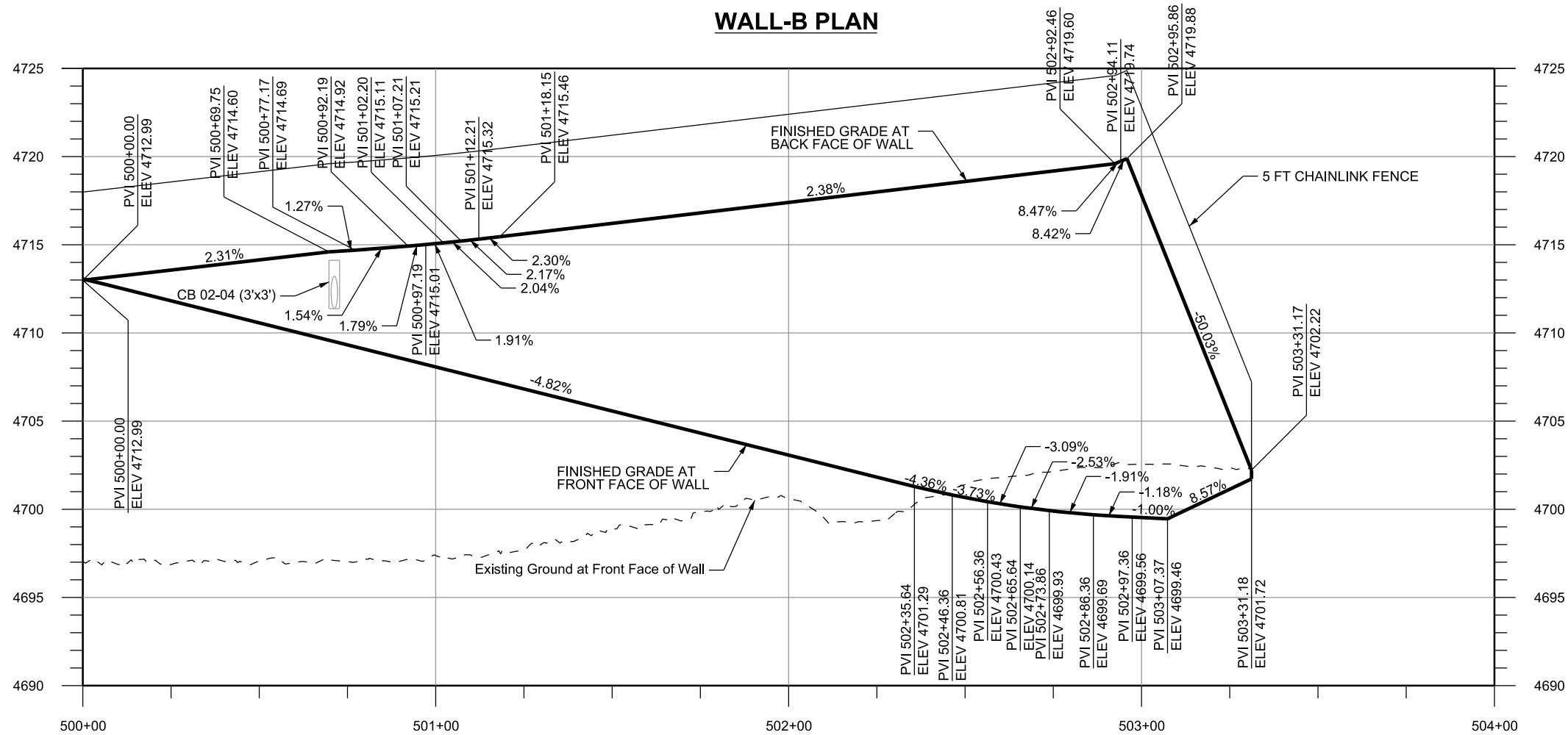
WALL-A DETAIL
LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename	LEH_OP_1-DT-02.dgn
UTA Contract No.	18-2399TP
Drawing	DT-02
Sheet No.	2 OF 8

03-MAR-2020 DCN File: IP: P:\P\0344489\LEH_OP_1-DT-03.dgn



WALL-B PLAN



WALL-B PROFILE

NOTES:

- SEE DT-02 FOR WALL-A DETAILS.
- STATIONS AND OFFSETS OF CATCH BASINS ARE CALLED OUT TO CENTER OF BOX.
- SEE DT-05 FOR MSE WALL DETAILS.

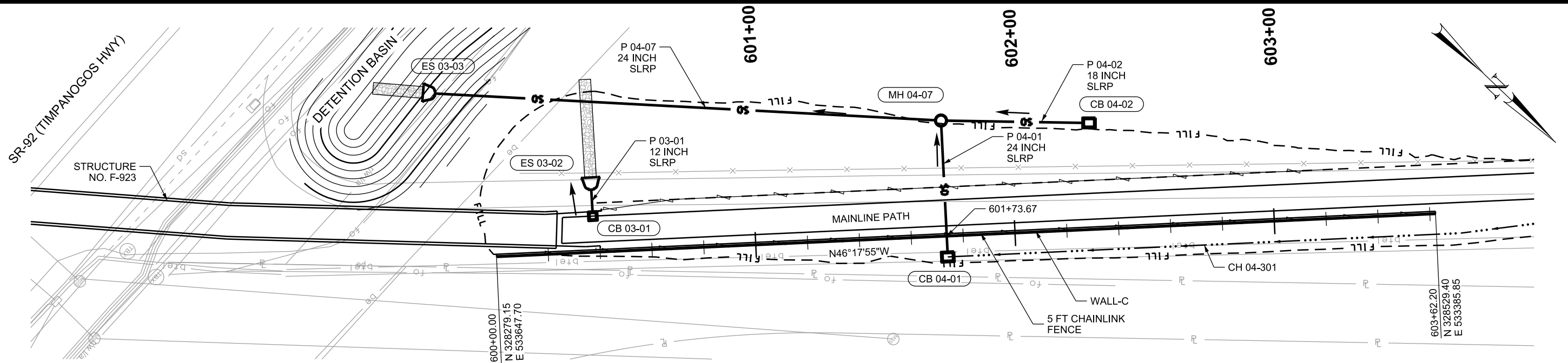
REV	DATE	DESCRIPTION

Designed By	MSN
Drawn By	DCV
Checked By	NLB
Approved By	ALK

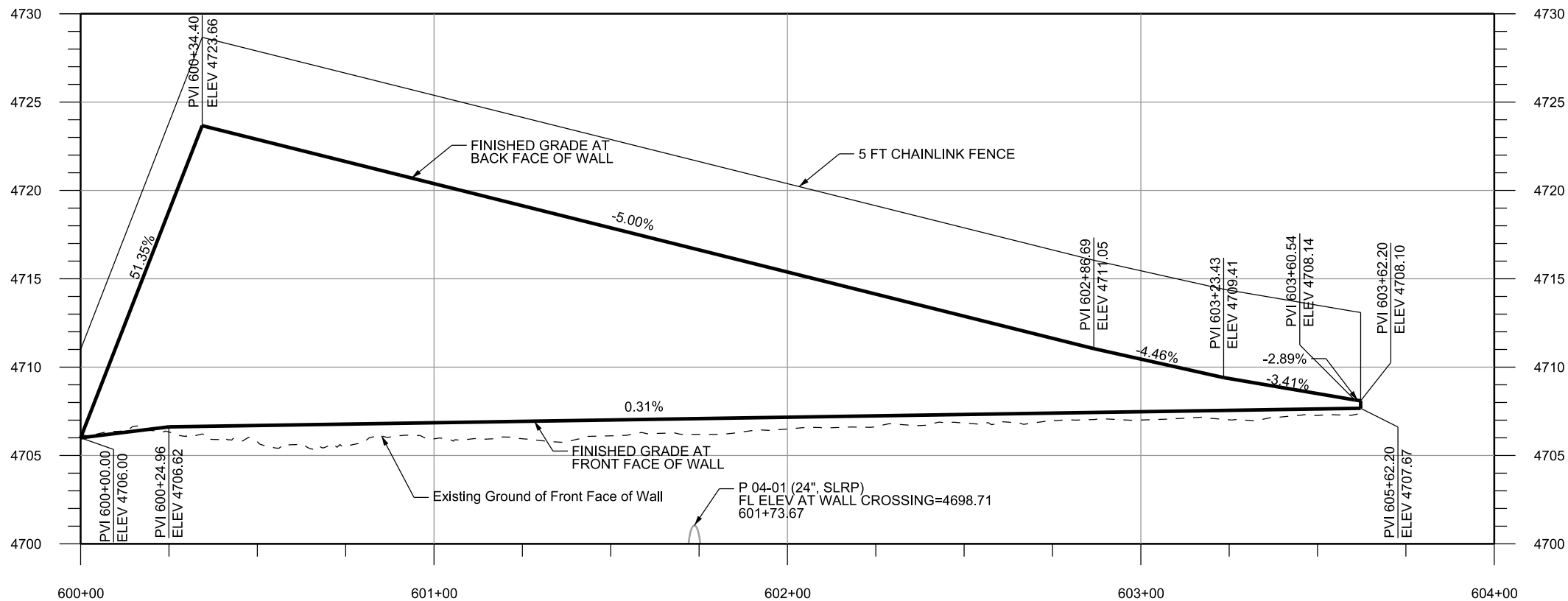


WALL-B DETAIL	
LEHI CITY LEH_OP_1	
PED OVERPASS STRUCTURE - UDOT STR NO. F-923 SR-92 & DIGITAL DRIVE	

CADD Filename LEH_OP_1-DT-03.dgn	
UTA Contract No. 18-2399TP	
Drawing DT-03	Sheet No. 3 OF 8



WALL-C PLAN



WALL-C PROFILE

NOTES:

1. SEE DT-05 FOR MSE WALL DETAILS.

03-MAR-2020 D:\CN File\IP_P\WP\0344489\LEH_OP_1-DT-04.dgn

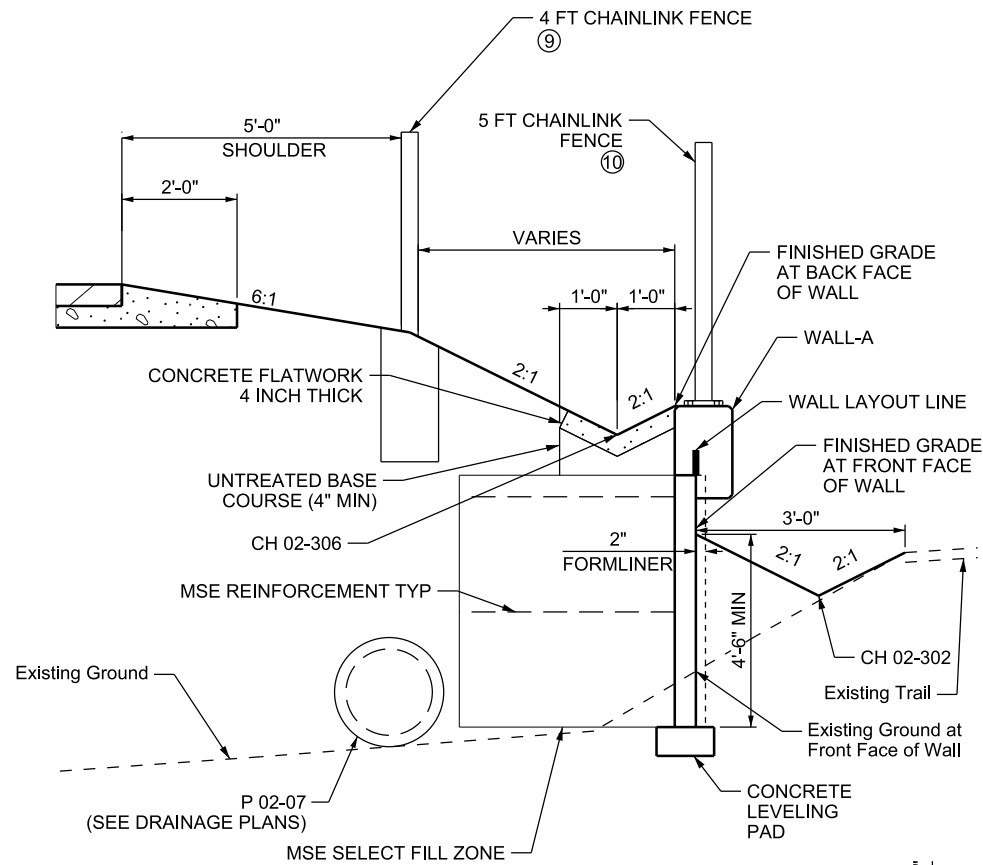
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Designed By	MSN
Drawn By	DCV
Checked By	NLB
Approved By	ALK

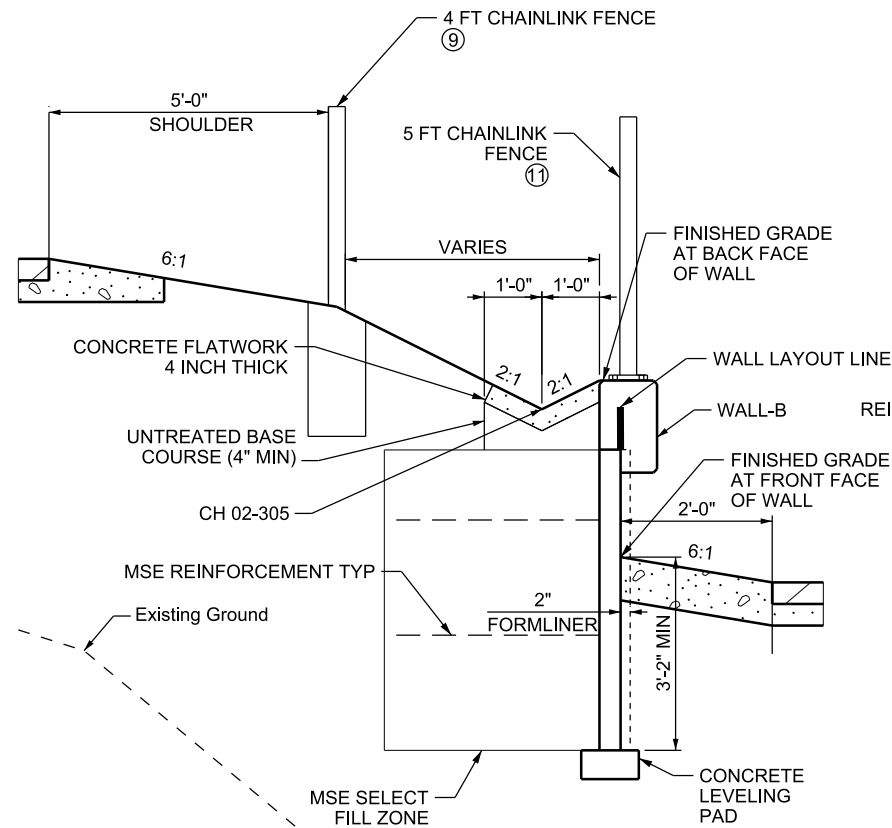


WALL-C DETAIL	
LEHI CITY LEH_OP_1	
PED OVERPASS STRUCTURE - UDOT STR NO. F-923 SR-92 & DIGITAL DRIVE	

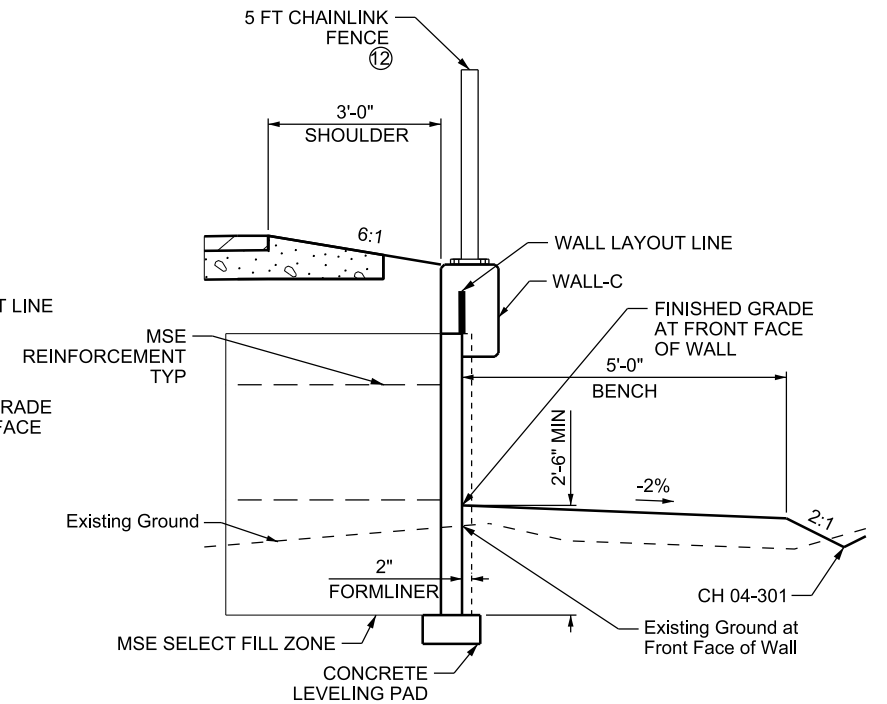
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UTA Contract No. 18-2399TP	
Drawing DT-04	Sheet No. 4 OF 8



WALL-A SECTION



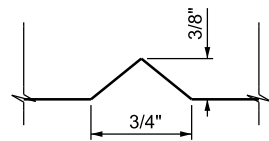
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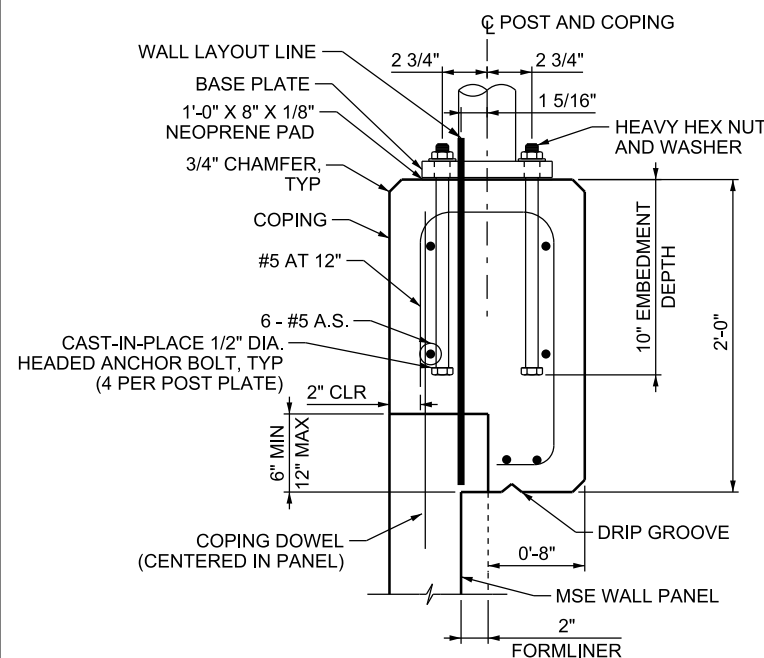
WALL-C SECTION

NOTES:

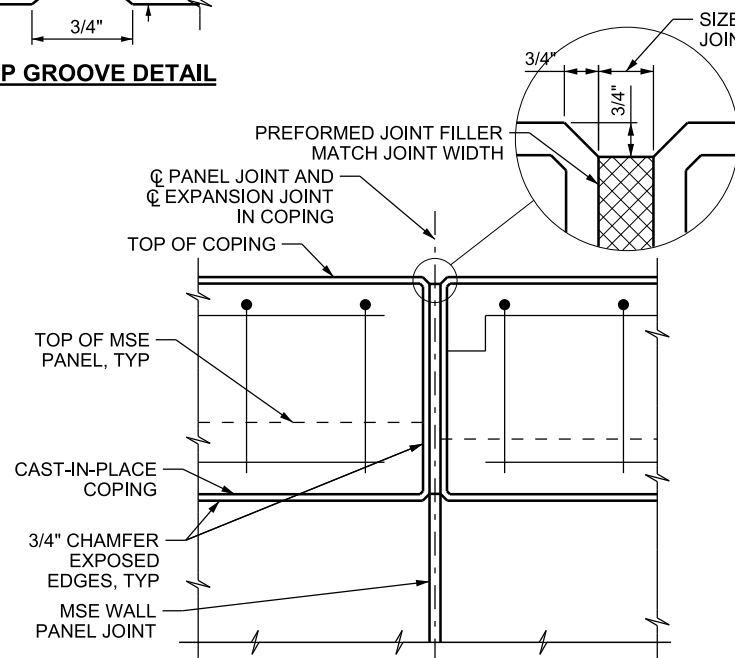
1. REFER TO BR-28 FOR FENCE BASE PLATE AND ANCHORAGE DETAILS. THE POST-INSTALLED OPTION MAY BE USED.
2. LEVELING PAD EMBEDMENT DEPTH MAY INCREASE PER WALL FABRICATOR'S DETAILS AND SPECIFICATIONS.
3. REFER TO BR-29 FOR AESTHETIC DETAILS.
4. DESIGN OF THE FENCE ANCHORAGE AND COPING DOWELS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND WALL FABRICATOR. REFER TO THE APPROVED WALL FABRICATOR'S DETAILS AND SPECIFICATIONS.
5. PLACE A 1 FT WIDE FILTER CLOTH BEHIND JOINT TO PREVENT SOIL PENETRATION THROUGH JOINT WHERE EARTH FILL IS ADJACENT OT EXPANSION JOINT. SEE WALL COMPANY'S RETAINING WALL FOR ADDITIONAL INFORMATION.
6. SLOPE TOP OF COPING SMOOTHLY ACROSS JOINTS. DO NOT STEP COPING AT JOINTS.
7. PLACE EXPANSION JOINTS AT PANEL JOINTS AT 100 FT MAX SPACING AND WHERE WALL DIRECTION CHANGES. PLACE CONSTRUCTION JOINTS AT ALL OTHER PANEL JOINTS.
8. PROVIDE CONTINUOUS LONGITUDINAL REINFORCING BETWEEN EXPANSION JOINTS. PROVIDE 2 FT LAP SPLICES WHERE REQUIRED. STAGGER LAP SPLICES MINIMUM OF 4 FT.
9. SEE MUP-02 FOR FENCE LOCATIONS.
10. SEE MUP-02, DT-02, AND THIS SHEET FOR FENCE LOCATION AND DETAILS.
11. SEE MUP-02, DT-03, AND THIS SHEET FOR FENCE LOCATION AND DETAILS.
12. SEE MUP-03, MUP-04, DT-04, AND THIS SHEET FOR FENCE LOCATION AND DETAILS.



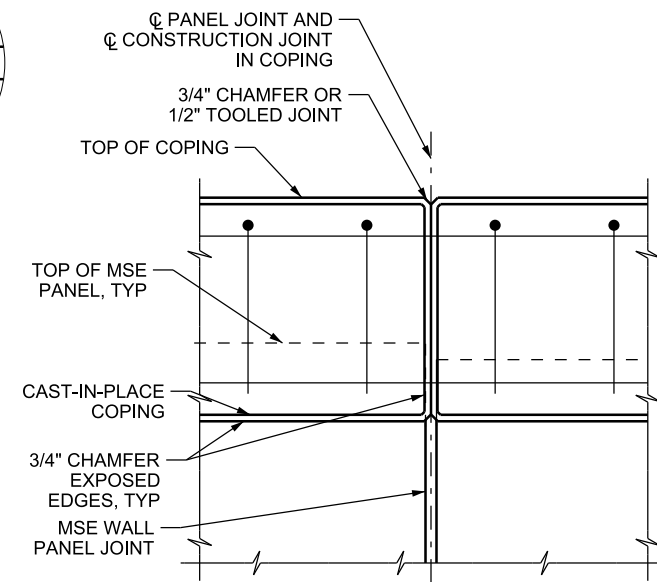
DRIP GROOVE DETAIL



COPING AND FENCE ANCHORAGE DETAIL
SEE NOTE 1, CAST-IN-PLACE OPTION SHOWN



EXPANSION JOINT



COPING JOINT DETAIL

CONSTRUCTION JOINT

MSE WALL DETAIL

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename LEH_OP_1-DT-05	
UTA Contract No. 18-2399TP	
Drawing DT-05	Sheet No. 5 OF 8

03-MAR-2020 D:\N File: IP: P:\P\p\0344489\LEH_OP_1-DT-05.dgn

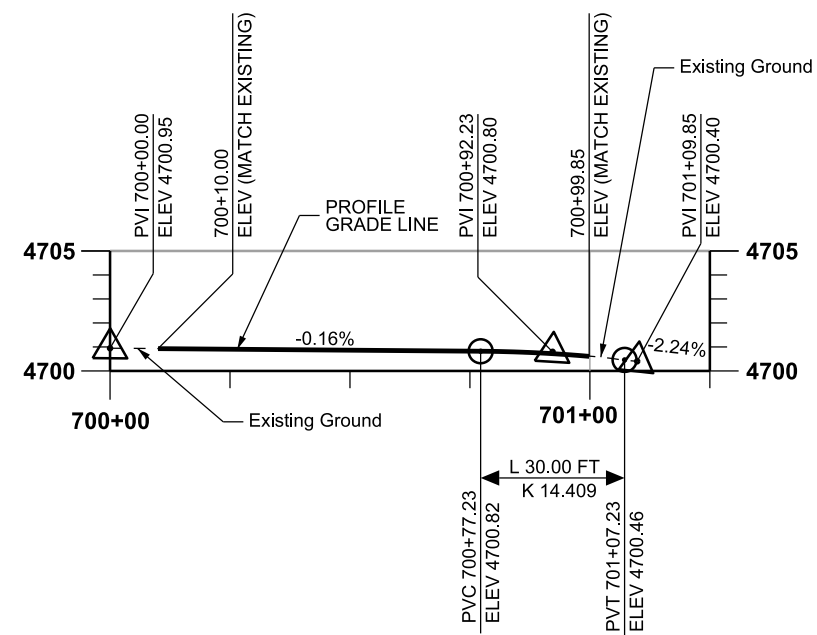
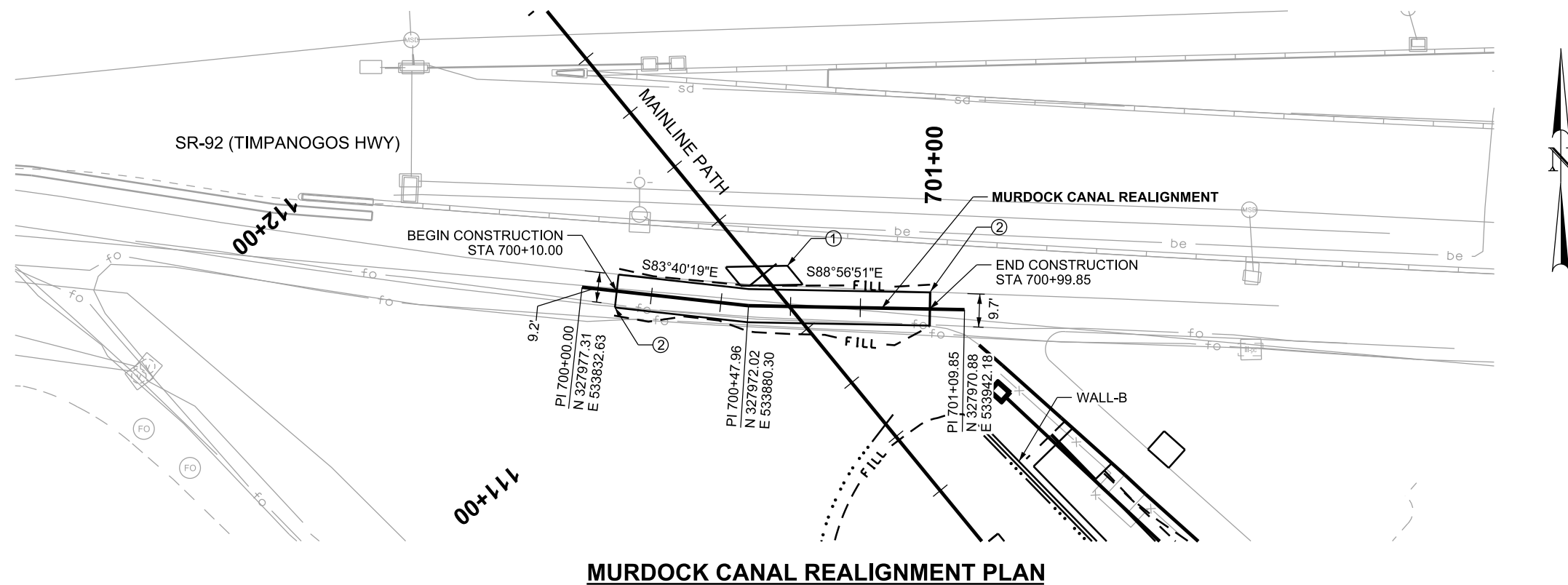
REV	DATE	DESCRIPTION

Designed By KGJ
Drawn By DCV
Checked By AFY
Approved By ALK

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John G. Jutka

UTA

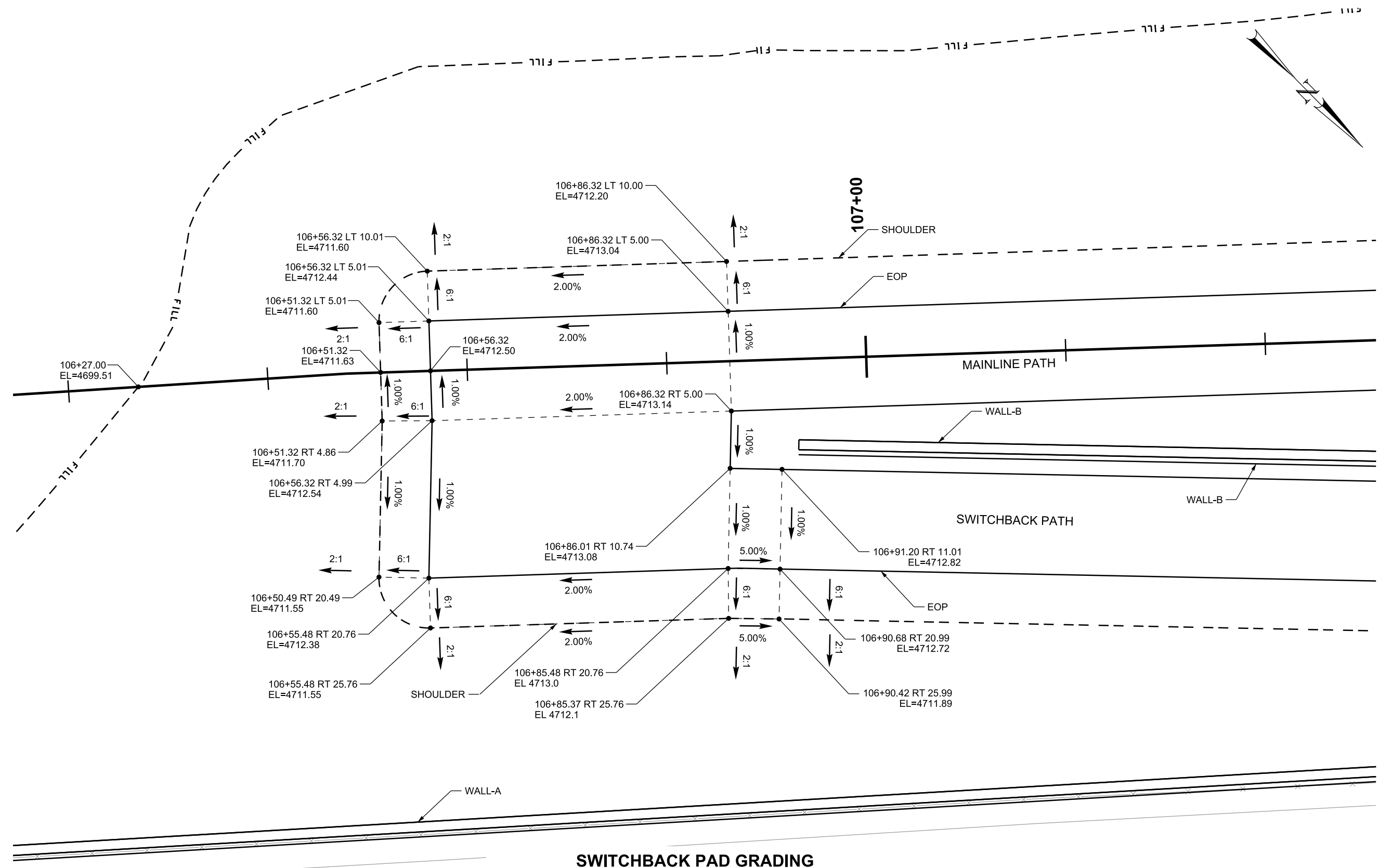


NOTES:

① MURDOCK CANAL TRAIL EDGE OF PAVEMENT
AT TWO FEET MINIMUM DISTANCE FROM
STRUCTURE NO. F-923 BENT #2. SEE BR SERIES FOR
STRUCUTRE NO. F-923 STRUCTURAL DETAILS.
REDUCE TRAIL WIDTH TO 9.3' MIN TO ACHIEVE
2 FOOT CLEARANCE.

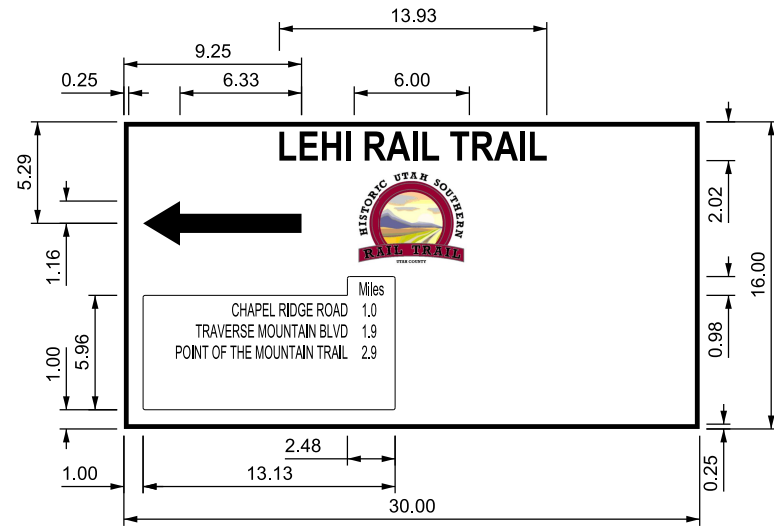
② MATCH EXISTING TRAIL WIDTH.

			Designed By			MURDOCK CANAL REALIGNMENT DETAIL LEHI CITY LEH_OP_1 PED OVERPASS STRUCTURE - UDOT STR NO. F-923 SR-92 & DIGITAL DRIVE	CADD Filename	
			MSN				LEH_OP_1-DT-06	
			Drawn By				UTA Contract No.	
			DCV				18-2399TP	
			Checked By			LEHI CITY LEH_OP_1 PED OVERPASS STRUCTURE - UDOT STR NO. F-923 SR-92 & DIGITAL DRIVE	Drawing	Sheet No.
			NLB				DT-06	6 OF 8
			Approved By					
REV	DATE	DESCRIPTION	ALK					

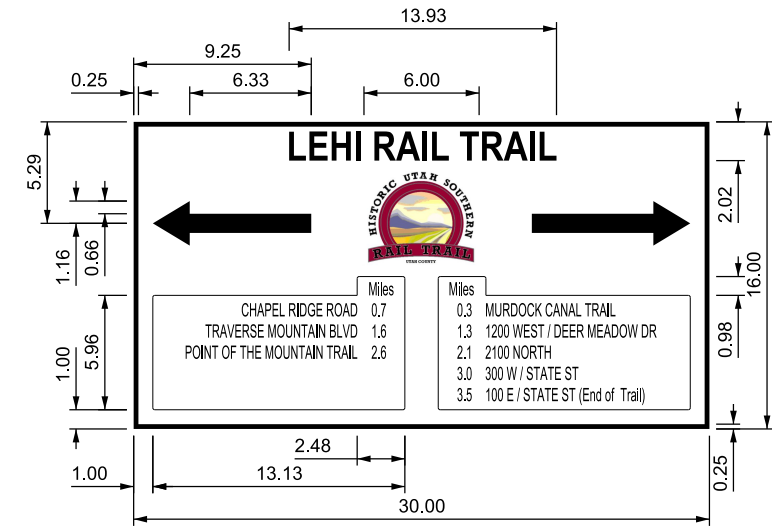


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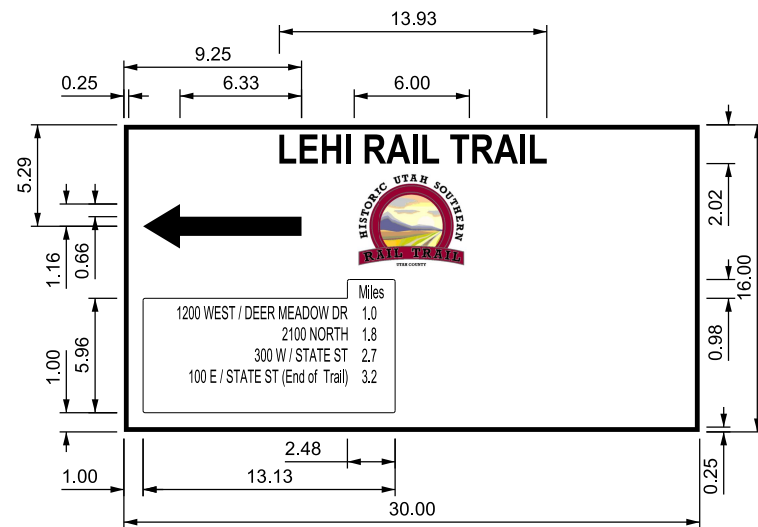
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			Drawn By					UTA Contract No.	
			DCV					18-2399TP	
			Checked By					Drawing	Sheet No.
			NLB			LEHI CITY		DT-07	7 OF 8
			Approved By			LEH_OP_1			
			ALK			PED OVERPASS STRUCTURE - UDOT STR NO. F-923			
						SR-92 & DIGITAL DRIVE			



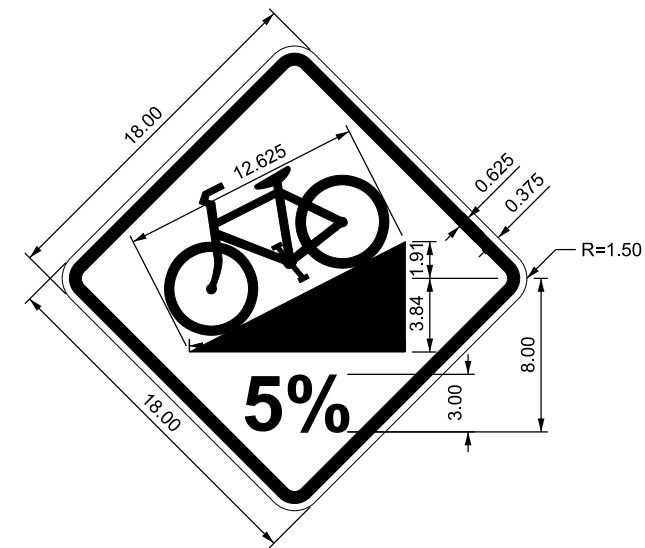
WAY FINDING SIGN DETAIL - 2.7-N
 STA. 203+35.52 LT 9.71
 (DIMENSIONS IN INCHES)



WAY FINDING SIGN DETAIL - 4.5-N
 STA. 119+60.01 RT 9.60
 (DIMENSIONS IN INCHES)

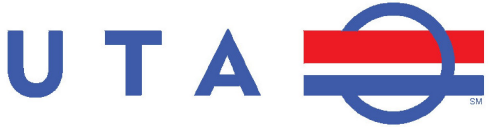


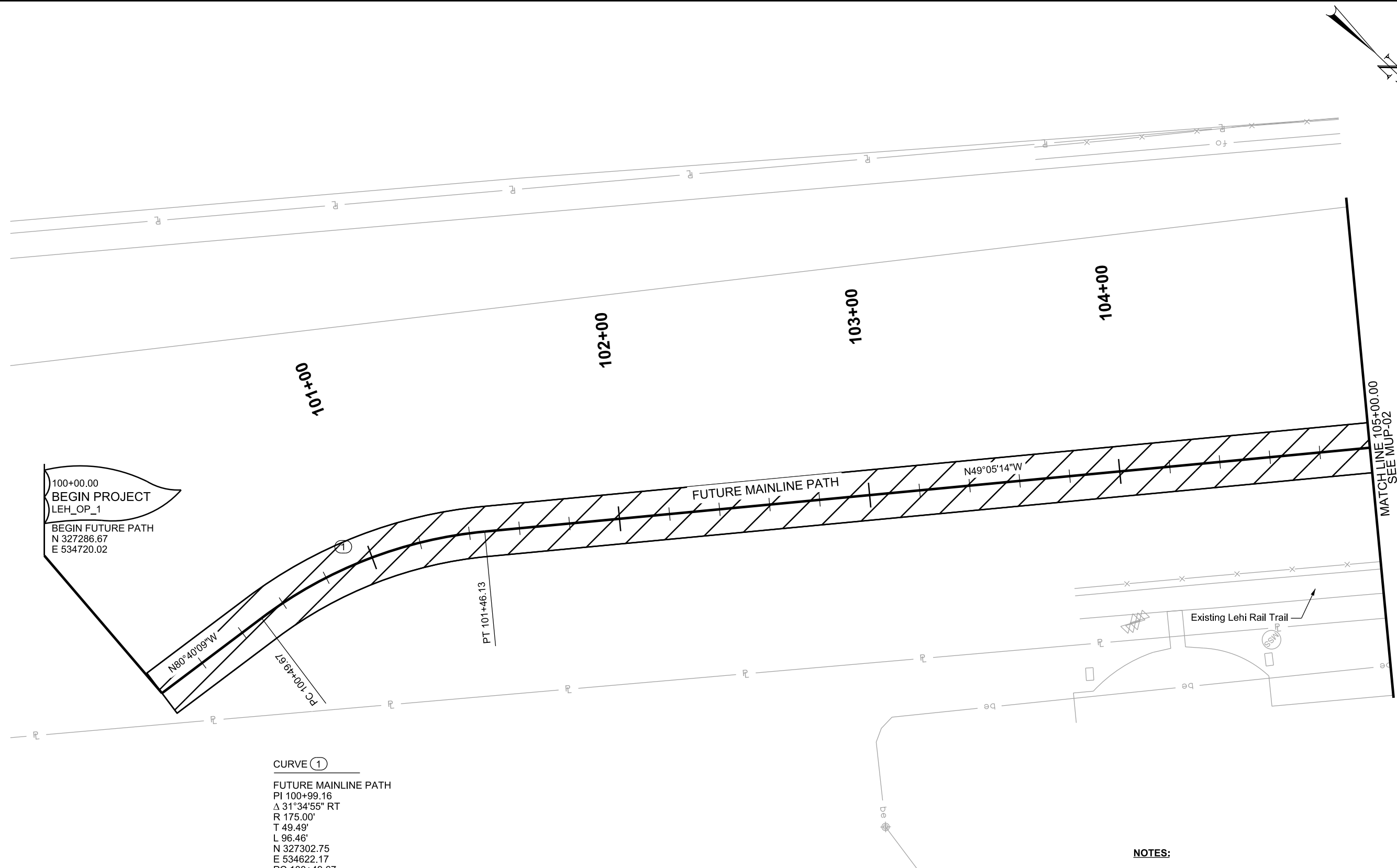
WAY FINDING SIGN DETAIL - 2.10-N
 STA. 110+40.14 LT 32.59
 (DIMENSIONS IN INCHES)



WARNING SIGN DETAIL - 2.4-N, 2.5-N, 4.3-N, 4.4-N
 STA. 109+74.40 LT 9.00
 STA. 200+27.13 RT 8.79
 STA. 305.19.40 LT 9.00
 STA. 115+30.60 RT 7.50
 (DIMENSIONS IN INCHES)

03-MAR-2020 DCN File: IP: P:\P\p\0344485\LEH_OP_1-DT-08.dgn

REV	DATE	DESCRIPTION	Designed By	 		SIGN DETAIL LEHI CITY LEH_OP_1 PED OVERPASS STRUCTURE - UDOT STR NO. F-923 SR-92 & DIGITAL DRIVE	CADD Filename	LEH_OP_1-DT-08	
			Drawn By					UTA Contract No.	
			Checked By					18-2399TP	
			Approved By					Drawing	Sheet No.
			ALK					DT-08	8 OF 8



CURVE (1)
FUTURE MAINLINE PATH
PI 100+99.16
Δ 31°34'55" RT
R 175.00'
T 49.49'
L 96.46'
N 327302.75
E 534622.17
PC 100+49.67
PT 101+46.13

- NOTES:
- 1. NO WORK FROM 100+00.00 TO 106+00.00. ALIGNMENT PROVIDED IN THIS STATION RANGE TO SHOW FUTURE TRAIL ALIGNMENT.

03-MAR-2020 D:\N File: IP: P:\P\0344489\LEH_OP_1-MUP-01.dgn

REV	DATE	DESCRIPTION

Designed By	MSN
Drawn By	DCV
Checked By	NLB
Approved By	ALK



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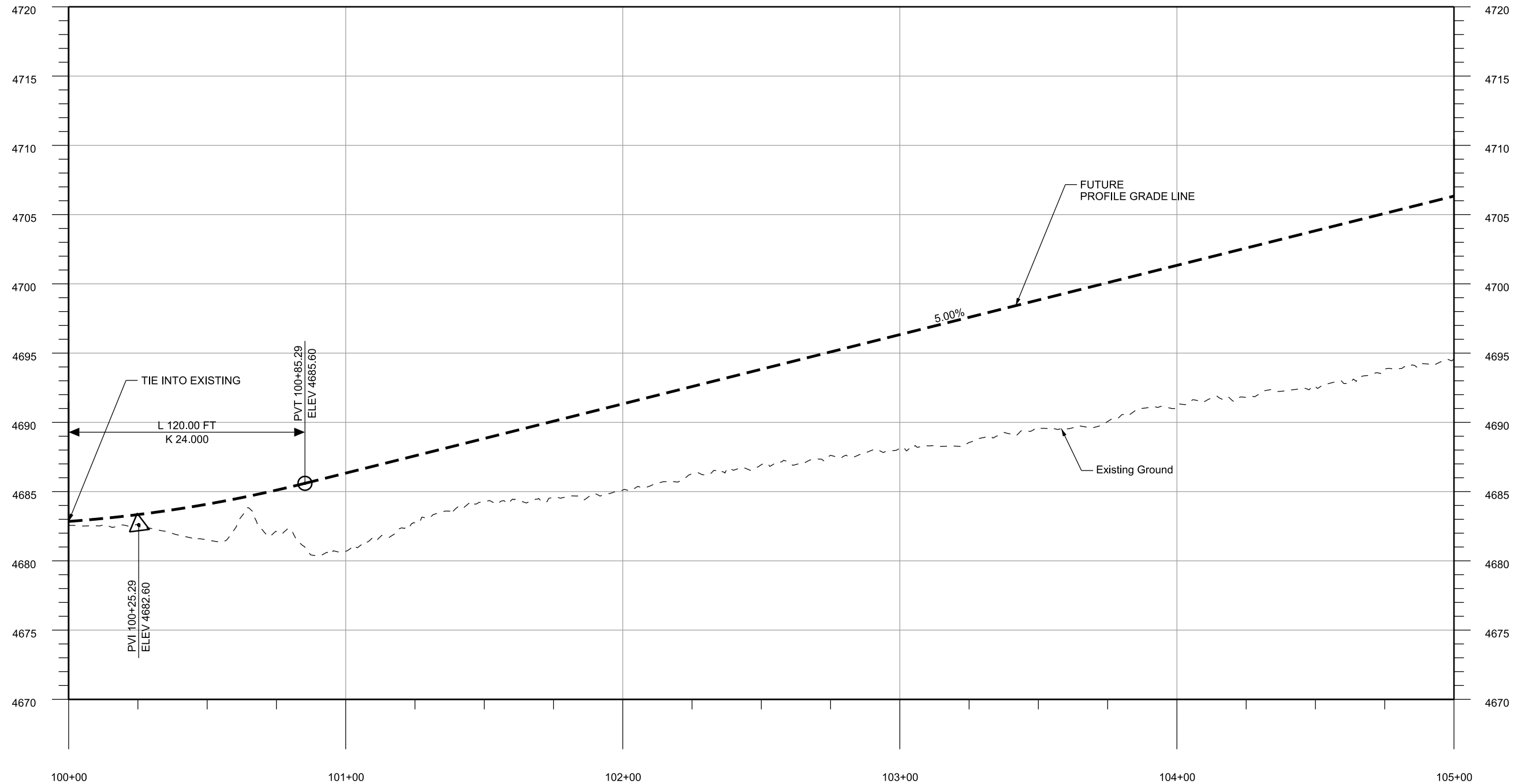


PATH

LEHI CITY
LEH_OP_1

PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename LEH_OP_MUP-01.dgn	
UTA Contract No. 18-2399TP	
Drawing MUP-01	Sheet No. 1 OF 10

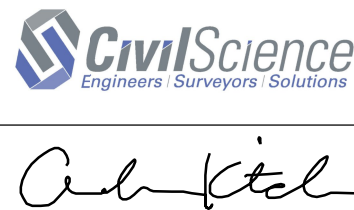


FUTURE MAINLINE PATH PROFILE

03-MAR-2020 D:\N File: IP: P:\P\0344489\LEH_OP_1-MUP-01A.dgn

REV	DATE	DESCRIPTION

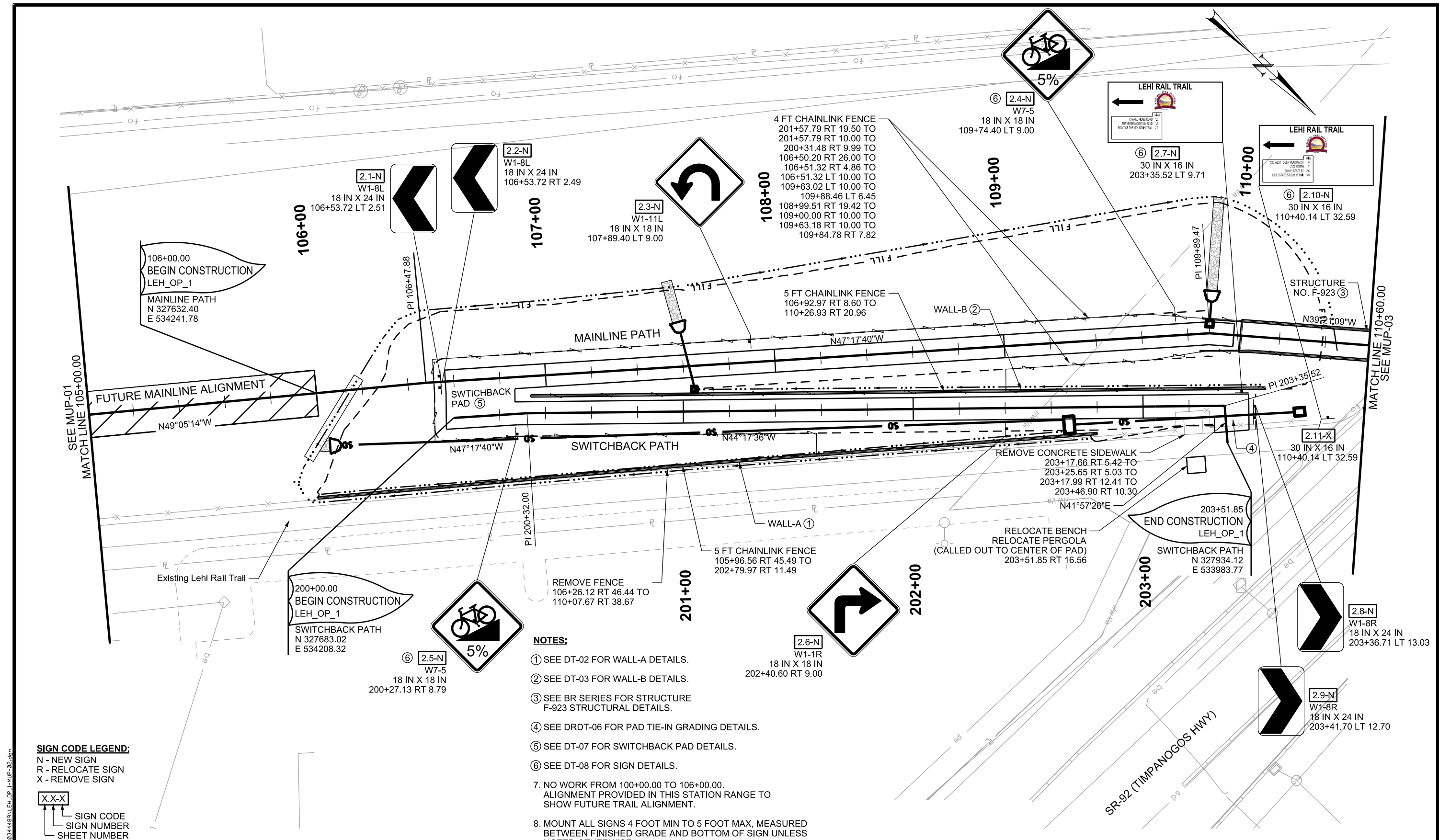
Designed By	MSN
Drawn By	DCV
Checked By	NLB
Approved By	ALK



PATH PROFILE

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename LEH_OP_1-MUP-01A.dgn	
UTA Contract No. 18-2399TP	
Drawing MUP-01A	Sheet No. 2 OF 10



SIGN CODE LEGEND:
N - NEW SIGN
R - RELOCATE SIGN
X - REMOVE SIGN

SIGN CODE
SIGN NUMBER
SHEET NUMBER

- NOTES:**
- ① SEE DT-02 FOR WALL-A DETAILS.
 - ② SEE DT-03 FOR WALL-B DETAILS.
 - ③ SEE BR SERIES FOR STRUCTURE F-923 STRUCTURAL DETAILS.
 - ④ SEE DRDT-06 FOR PAD TIE-IN GRADING DETAILS.
 - ⑤ SEE DT-07 FOR SWITCHBACK PAD DETAILS.
 - ⑥ SEE DT-08 FOR SIGN DETAILS.
 - 7. NO WORK FROM 100+00.00 TO 106+00.00. ALIGNMENT PROVIDED IN THIS STATION RANGE TO SHOW FUTURE TRAIL ALIGNMENT.
 - 8. MOUNT ALL SIGNS 4 FOOT MIN TO 5 FOOT MAX, MEASURED BETWEEN FINISHED GRADE AND BOTTOM OF SIGN UNLESS NOTED OTHERWISE.

REV	DATE	DESCRIPTION

Designed By	MSN
Drawn By	DCV
Checked By	NLB
Approved By	ALK



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UTA



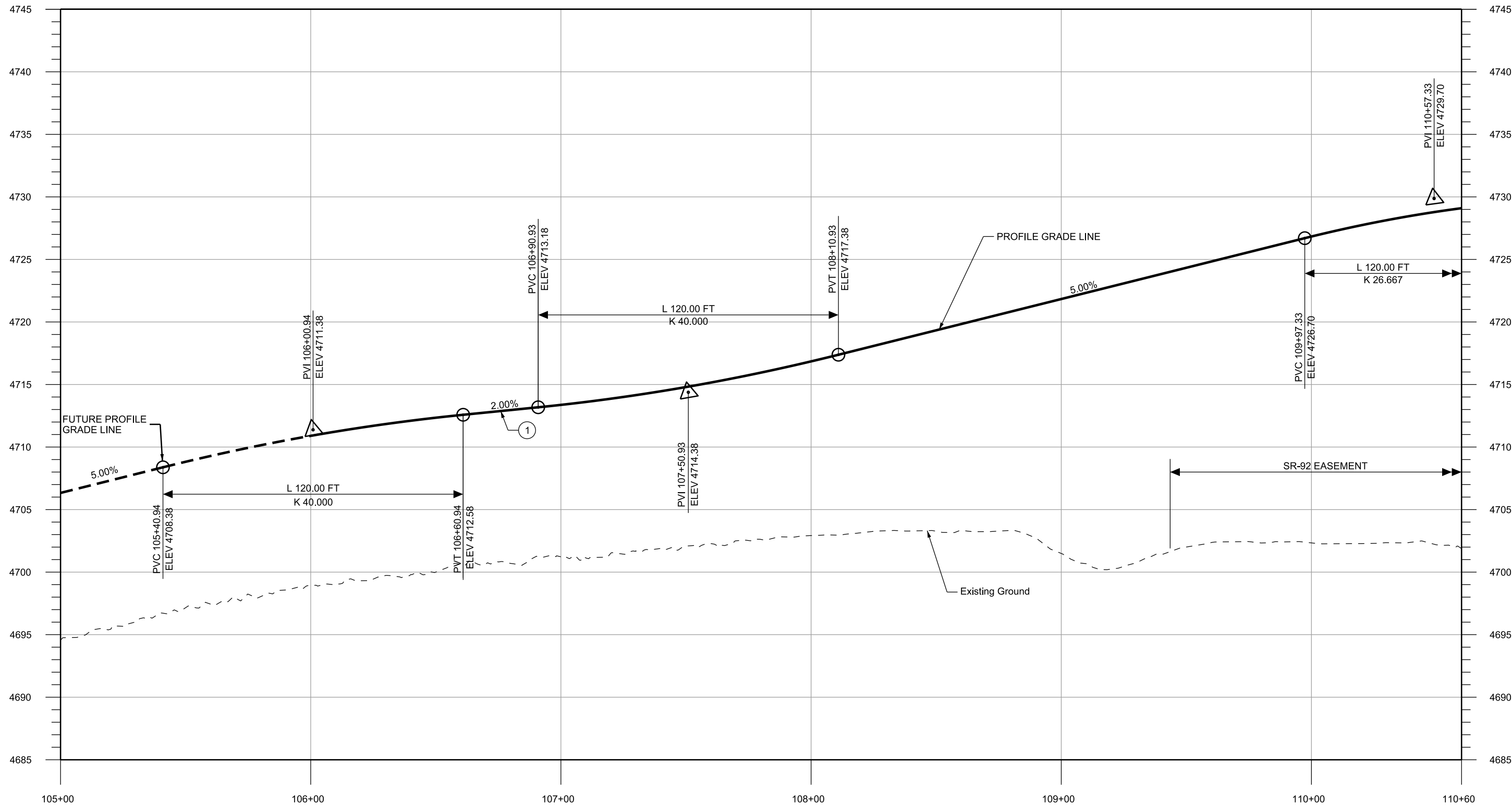
PATH

LEHI CITY
LEH_OP_1

**PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE**

CADD Filename	LEH_OP_1-MUP-02.dgn
UTA Contract No.	18-2399TP
Drawing	MUP-02
Sheet No.	3 OF 10

03-MAR-2020 DCN File: IP: P:\P\p\0344489\LEH_OP_1-MUP-02A.dgn



MAINLINE PATH PROFILE

NOTES:
① SEE DT-07 FOR SWITCHBACK
PAD GRADING DETAILS.

REV	DATE	DESCRIPTION

Designed By	MSN
Drawn By	DCV
Checked By	NLB
Approved By	ALK



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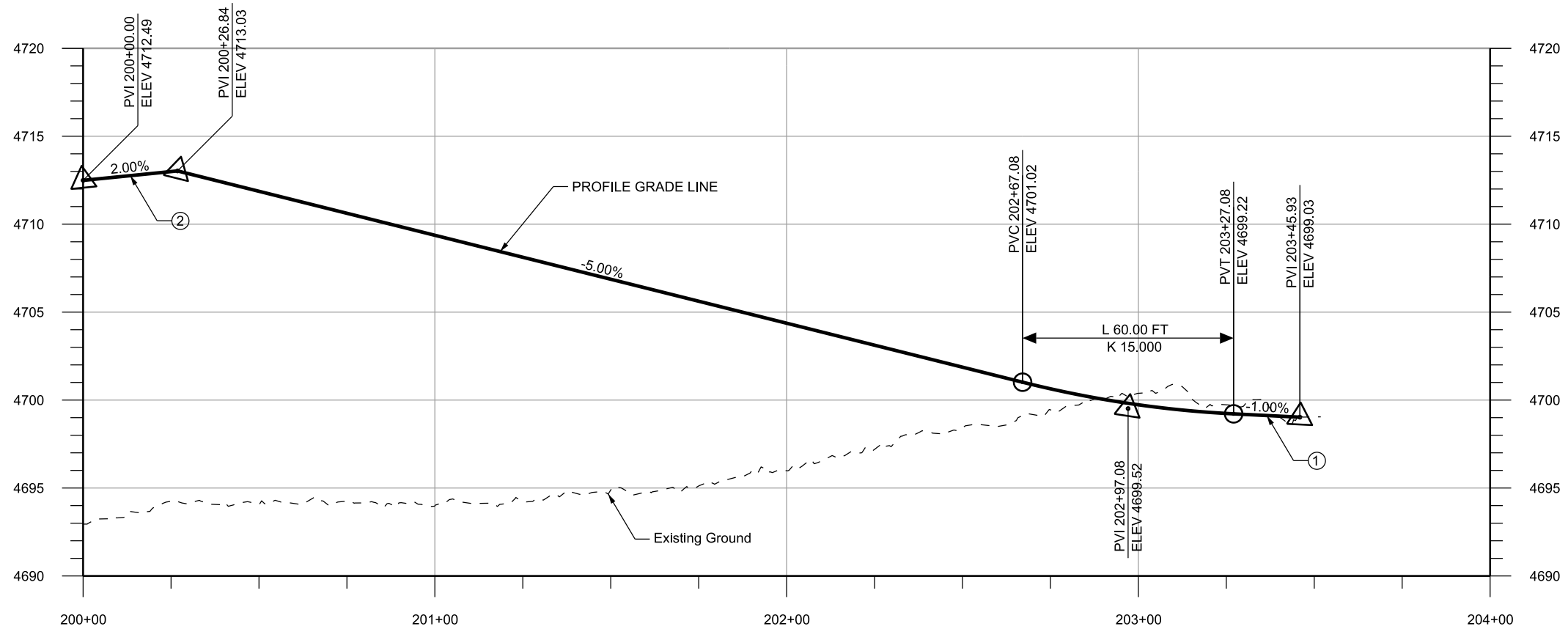


PATH PROFILE

LEHI CITY
LEH_OP_1

PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename LEH_OP_1-MUP-02A.dgn	
UTA Contract No. 18-2399TP	
Drawing MUP-02A	Sheet No. 4 OF 10



SWITCHBACK PATH PROFILE

- NOTES:
- ① SEE DRDT-06 FOR PAD TIE-IN GRADING DETAILS.
 - ② SEE DT-07 FOR SWITCHBACK PAD GRADING DETAILS.

03-MAR-2020 D:\N File: IP: P:\P\p\0344489\LEH_OP_1-MUP-02B.dgn

REV	DATE	DESCRIPTION

Designed By	MSN
Drawn By	DCV
Checked By	NLB
Approved By	ALK



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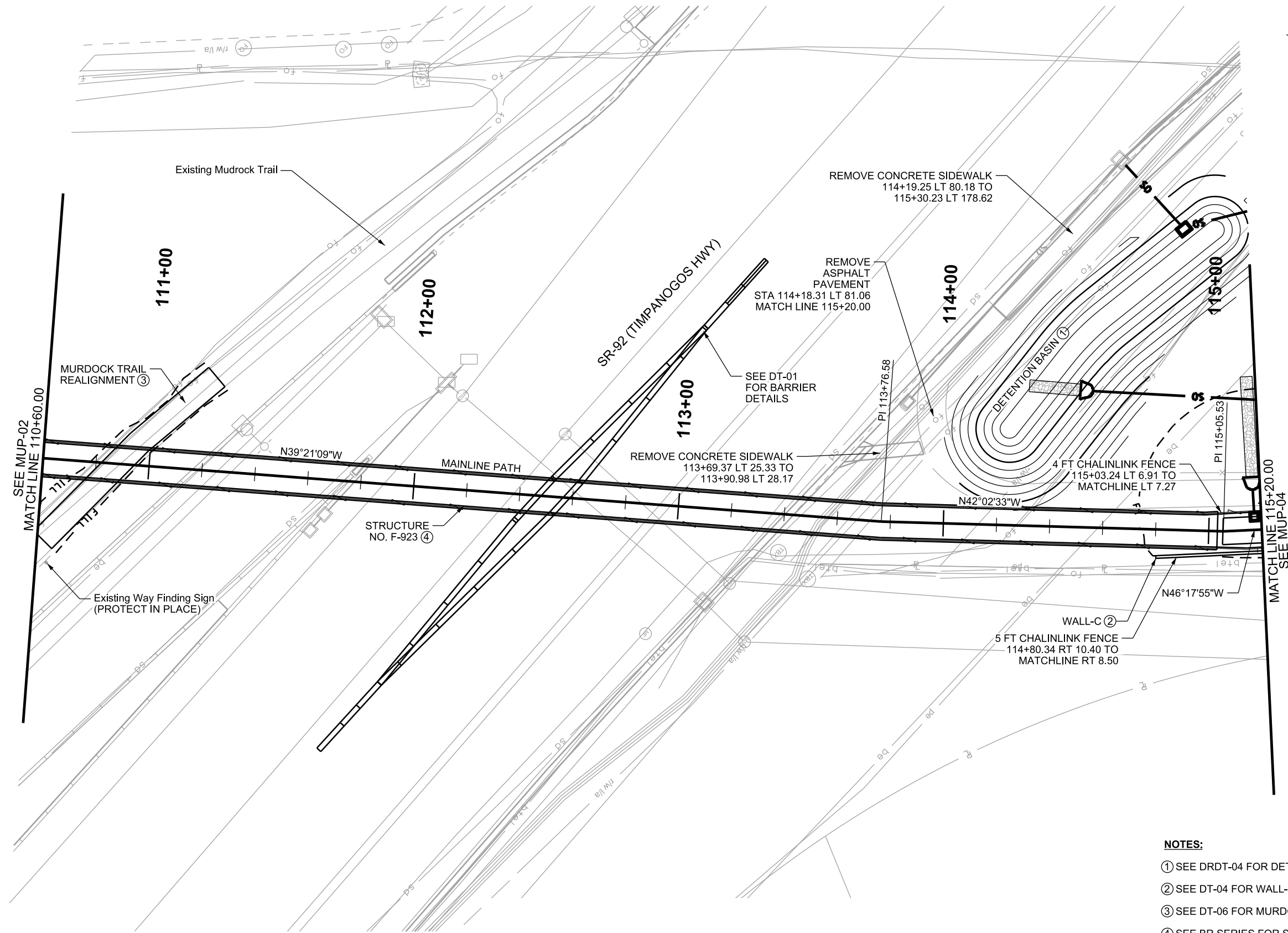


PATH PROFILE

LEHI CITY
LEH_OP_1

PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename LEH_OP_1-MUP-02B.dgn	
UTA Contract No. 18-2399TP	
Drawing MUP-02B	Sheet No. 5 OF 10



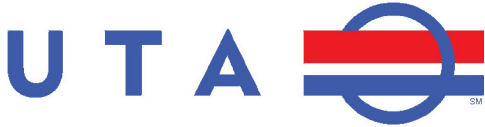
- NOTES:**
- ① SEE DRDT-04 FOR DETENTION BASIN GRADING DETAILS.
 - ② SEE DT-04 FOR WALL-C DETAILS.
 - ③ SEE DT-06 FOR MURDOCK TRAIL REALIGNMENT DETAILS.
 - ④ SEE BR SERIES FOR STRUCTURE F-923 STRUCTURAL DETAILS.

03-MAR-2020

REV	DATE	DESCRIPTION

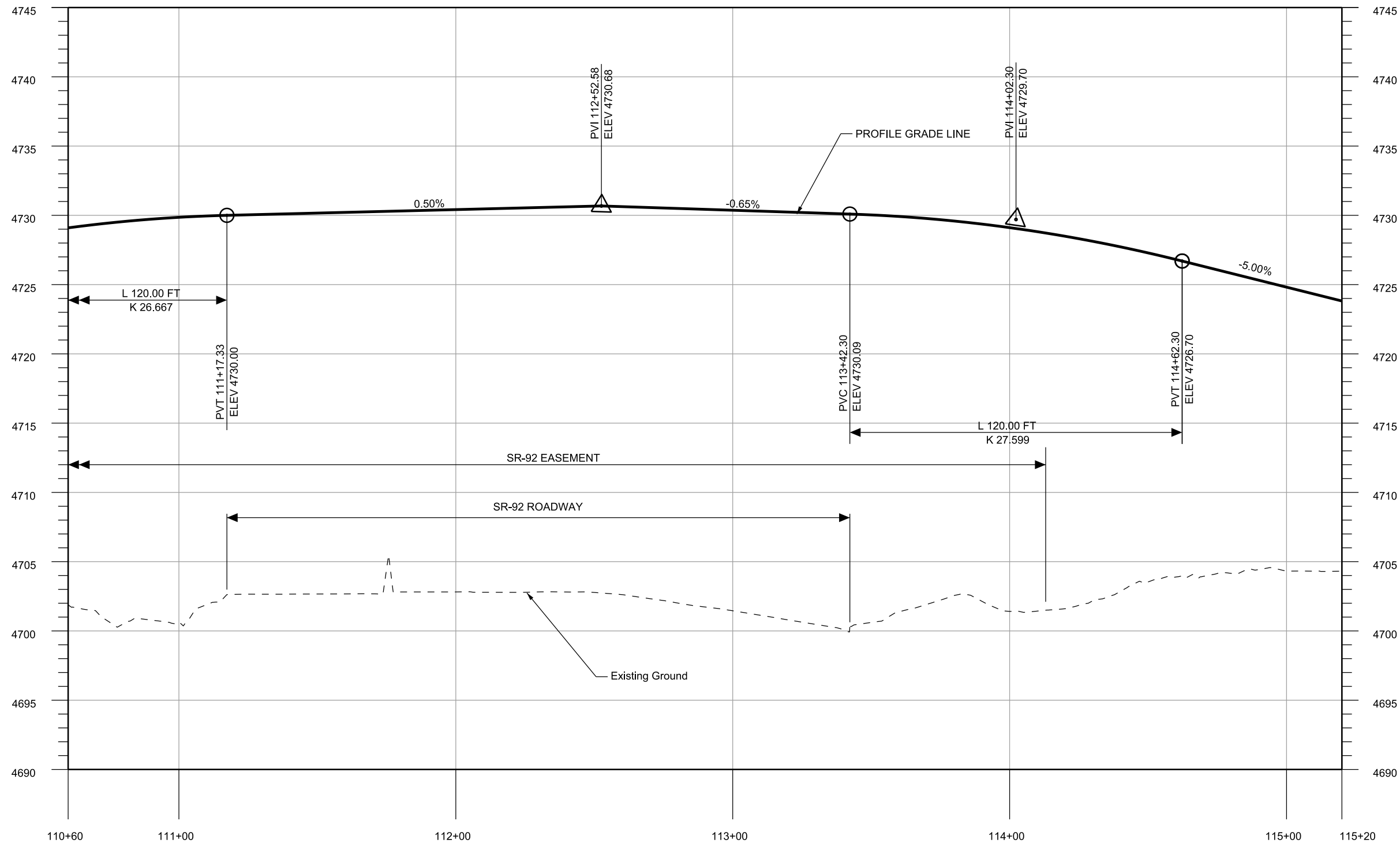
Designed By	MSN
Drawn By	DCV
Checked By	NLB
Approved By	ALK



PATH
LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename LEH_OP_1-MUP-03.dgn	
UTA Contract No. 18-2399TP	
Drawing MUP-03	Sheet No. 6 OF 10



MAINLINE PATH PROFILE

03-MAR-2020 DCN File: IP:\PWP\0344489\LEH_OP_1-MUP-03A.dgn

REV	DATE	DESCRIPTION

Designed By	MSN
Drawn By	DCV
Checked By	NLB
Approved By	ALK

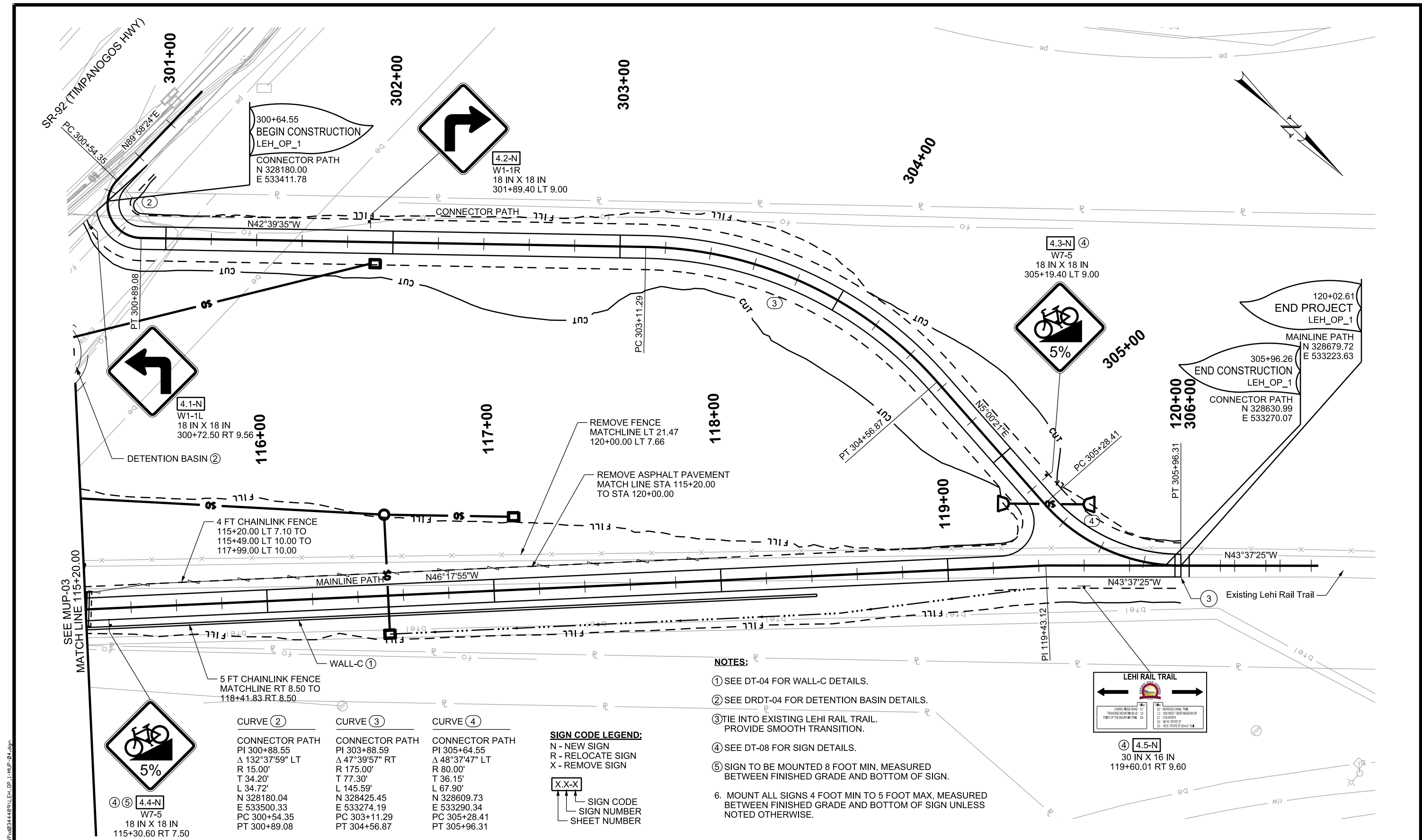


Auth Kitch



PATH PROFILE	
LEHI CITY LEH_OP_1	
PED OVERPASS STRUCTURE - UDOT STR NO. F-923 SR-92 & DIGITAL DRIVE	

CADD Filename LEH_OP_1-MUP-03A.dgn	
UTA Contract No. 18-2399TP	
Drawing MUP-03A	Sheet No. 7 OF 10



03-MAR-2020
DCN File: IP: P:\P\0344489\LEH_OP_1-MUP-04.dgn

REV	DATE	DESCRIPTION

Designed By	MSN
Drawn By	DCV
Checked By	NLB
Approved By	ALK



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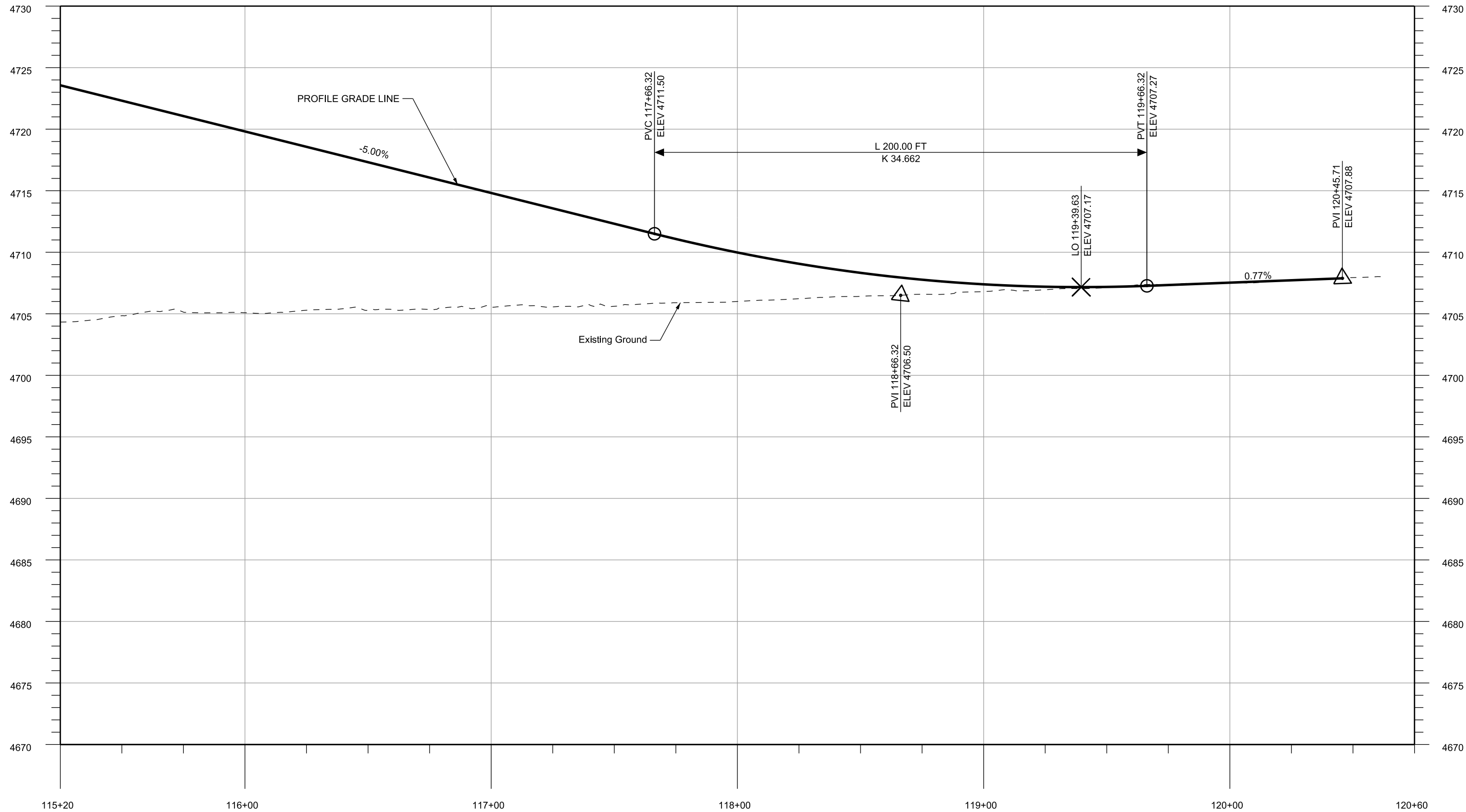
PATH

LEHI CITY
LEH_OP_1

PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename	LEH_OP_1-MUP-04.dgn
UTA Contract No.	18-2399TP
Drawing	MUP-04
Sheet No.	8 OF 10

03-MAR-2020 D:\N File: IP_PWP\0344489\LEH_OP_1-MUP-04A.dgn



MAINLINE PATH PROFILE

REV	DATE	DESCRIPTION

Designed By	MSN
Drawn By	DCV
Checked By	NLB
Approved By	ALK



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UTA

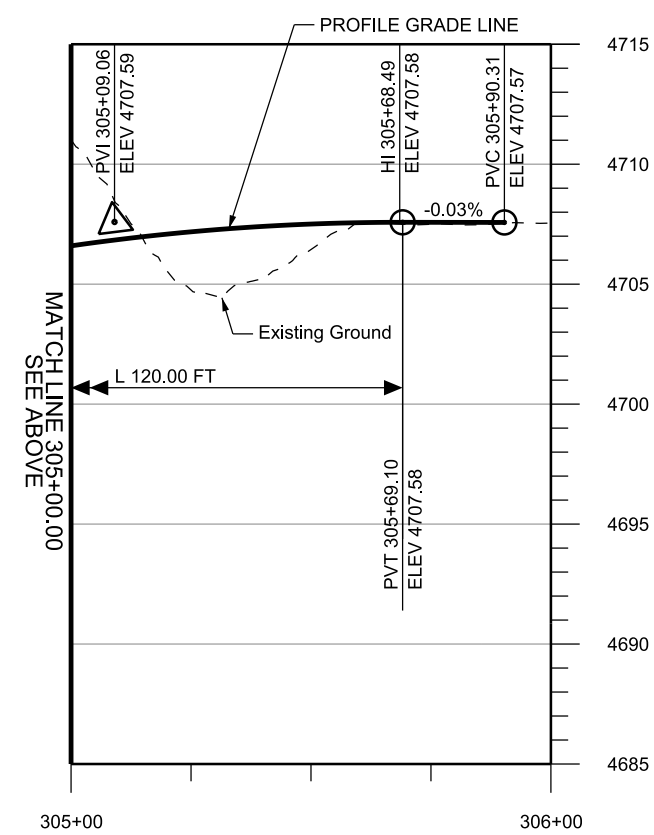
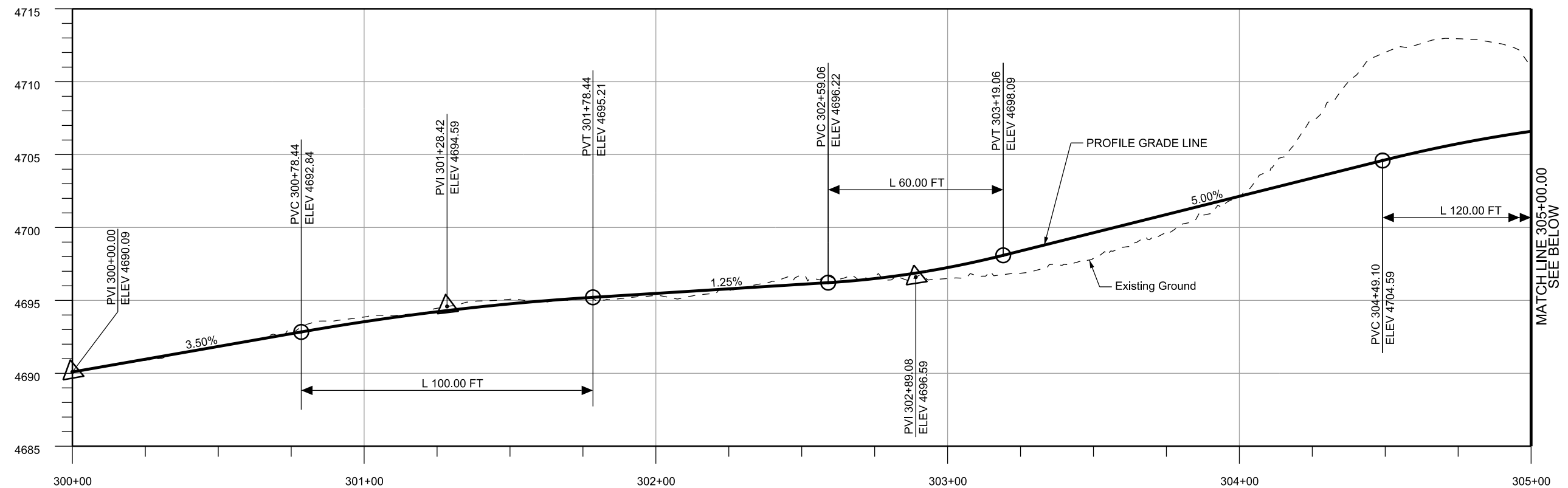


PATH PROFILE

LEHI CITY
LEH_OP_1

PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename LEH_OP_1-MUP-04A.dgn	
UTA Contract No. 18-2399TP	
Drawing MUP-04A	Sheet No. 9 OF 10



CONNECTOR PATH PROFILE

03-MAR-2020 DCN File: IP:\PWP\0344489\LEH_OP_1-MUP-04B.dgn

REV	DATE	DESCRIPTION

Designed By	MSN
Drawn By	DCV
Checked By	NLB
Approved By	ALK





PATH PROFILE

LEHI CITY
LEH_OP_1

PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

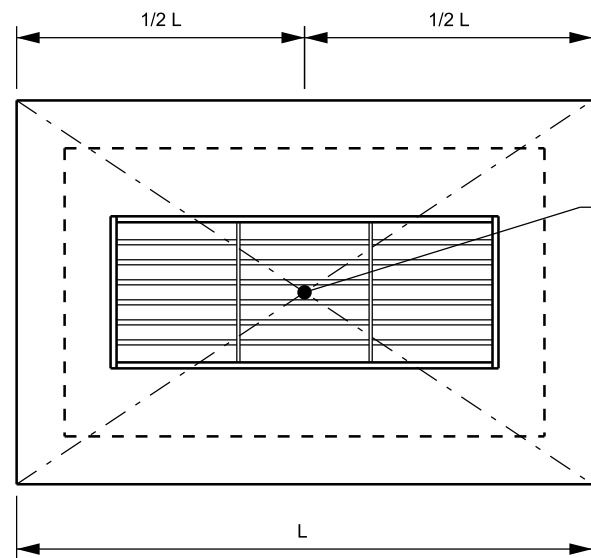
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UTA Contract No. 18-2399TP	
Drawing MUP-04B	Sheet No. 10 OF 10

GENERAL DRAINAGE NOTES

- 1. ALL UTILITY LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD VERIFICATION.
- 2. PIPE LENGTH SHOWN ON DRAINAGE PROFILES IS HORIZONTAL LENGTH MEASURED FROM INSIDE FACE OF UPSTREAM STRUCTURE TO INSIDE FACE OF DOWNSTREAM STRUCTURE.
- 3. WHERE A DISCREPANCY EXISTS BETWEEN PIPE SLOPE AND INVERT ELEVATIONS, INVERT ELEVATIONS SHALL GOVERN.
- 4. ALL EXISTING PIPE ELEVATIONS AND LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD VERIFICATION.
- 5. APPLY THE APPLICABLE BEST MANAGEMENT PRACTICES (BMP'S) FOR TEMPORARY EROSION CONTROL IN ACCORDANCE WITH THE DRAINAGE PLAN SHEETS AND THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP.) CONTRACTOR TO COORDINATE WITH EROSION CONTROL SUPERVISOR AS NEEDED.
- 6. MAINTAIN AND KEEP EXISTING STORM DRAIN SYSTEMS OPERATIONAL AS NEEDED TO PROVIDE DRAINAGE DURING CONSTRUCTION.
- 7. MEET UDOT STANDARD SPECIFICATION SECTION 02610 DRAINAGE PIPE FOR ALL PIPE MATERIAL AND INSTALLATION.
- 8. USE CLASS III, CORROSION CLASS C UNLESS OTHERWISE NOTED FOR ALL REINFORCED CONCRETE PIPE (RCP) SPECIFIED IN DRAINAGE PLANS.
- 9. PIPE MATERIAL IS SPECIFIED IN DRAINAGE PLANS. ALL PIPE MATEIRAL AND INSTALLATION SHALL CONFORM TO UDOT SPECIFICATION SECTION 02610 DRAINGE PIPE.
- 10. PROTECT IN PLACE ALL EXISTING STORM DRAIN/IRRIGATION FACILITIES UNLESS OTHERWISE NOTED.
- 11. NOTIFY AND COORDIANTE WITH IRRIGATION COMPANIES PRIOR TO ANY WORK PERFORMED ON ANY IRRIGATION FACILITIES.
- 12. MATCH EXISTING PIPE MATERIAL WITH PROPOSED PIPE MATERIAL WHEN CONNECTING PROPOSED PIPE TO EXISTING PIPE WITH A CONCRETE COLLAR, EXCEPT WHERE METAL PIPE IS THE EXISTING PIPE.
- 13. FOLLOW UDOT STANDARD SPECIFICATION 02221 REMOVE STRUCTURE AND OBSTRUCTION FOR PIPES LABELED TO BE REMOVED. REMOVE EXISTING PIPE WHERE POSSIBLE AND FLOW FILL IF THE PIPE IS OUTSIDE THE PAVE CUT LINE.
- 14. CORRUGATED METAL PIPE (CMP) IS NOT TO BE USED AS A PROPOSED PIPE MATERIAL.
- 15. REQUIRE SHOP DRAWING SUBMITTAL AND REVIEW FOR DRAINAGE STRUCTURES NOT MEETING REQUIREMENTS OF SPECIFIED STANDARD DRAWINGS.

03-MAR-2020 DCN File: IP: P:\WP\ad0344489\LEH.OP.1-DRDT-01.dgn

			Designed By	 		DRAINAGE GENERAL NOTES LEHI CITY LEH_OP_1 PED OVERPASS STRUCTURE - UDOT STR NO. F-923 SR-92 & DIGITAL DRIVE	CADD Filename LEH_OP_1-DRDT-01.dgn	
			MSN				UTA Contract No. 18-2399TP	
			Drawn By				Drawing	Sheet No.
			DCV				DRDT-01	1 OF 6
			Checked By					
			NLB					
			Approved By					
			ALK					
REV	DATE	DESCRIPTION						

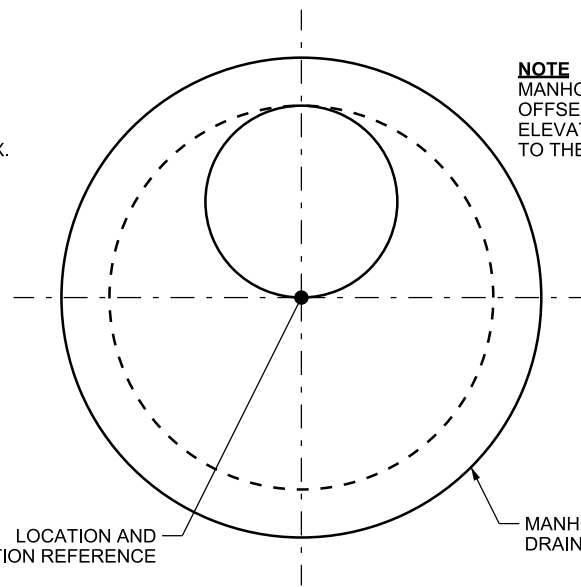


FIELD INLET PLACEMENT

NOTE
CATCH BASIN STATION,
OFFSET AND GRATE
ELEVATION IS CALLED OUT
TO THE CENTER OF THE BOX.

LOCATION AND
ELEVATION REFERENCE

CATCH BASIN PER
DRAINAGE PLANS

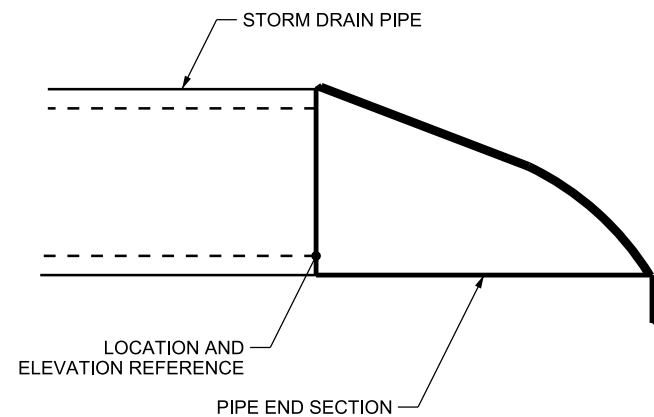


MANHOLE PLACEMENT

NOTE
MANHOLE STATION,
OFFSET AND RIM
ELEVATION IS CALLED OUT
TO THE CENTER OF MANHOLE.

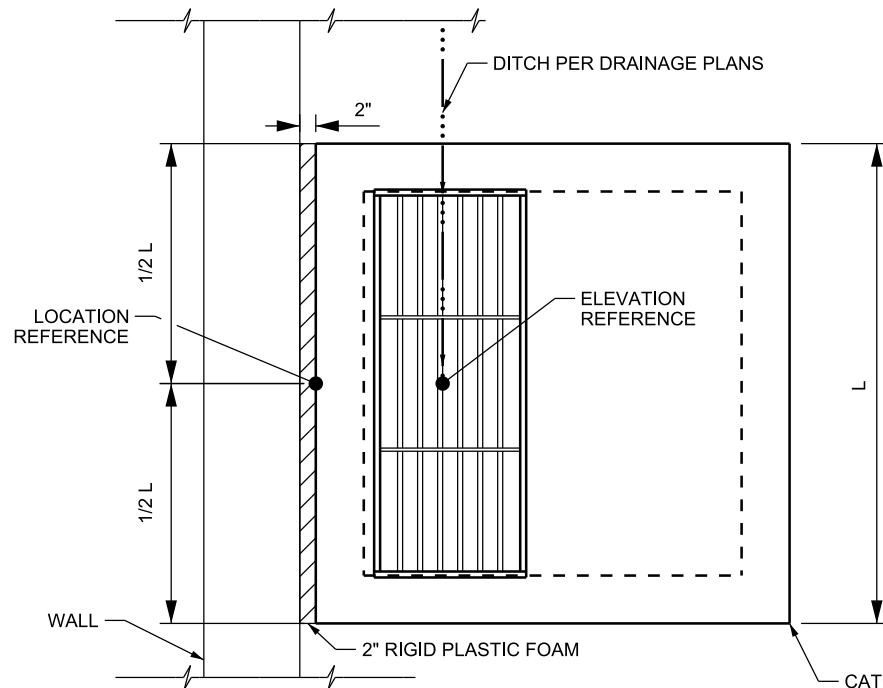
LOCATION AND
ELEVATION REFERENCE

MANHOLE PER
DRAINAGE PLANS

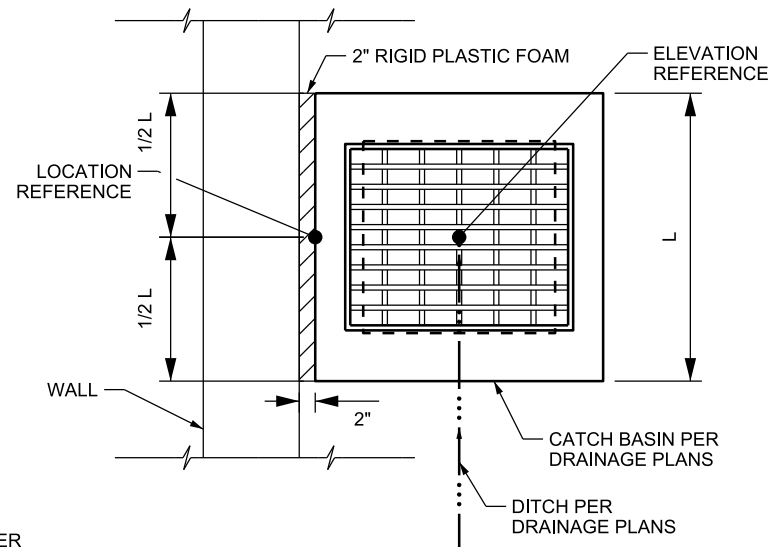


**LAYOUT B
END SECTION PLACEMENT**

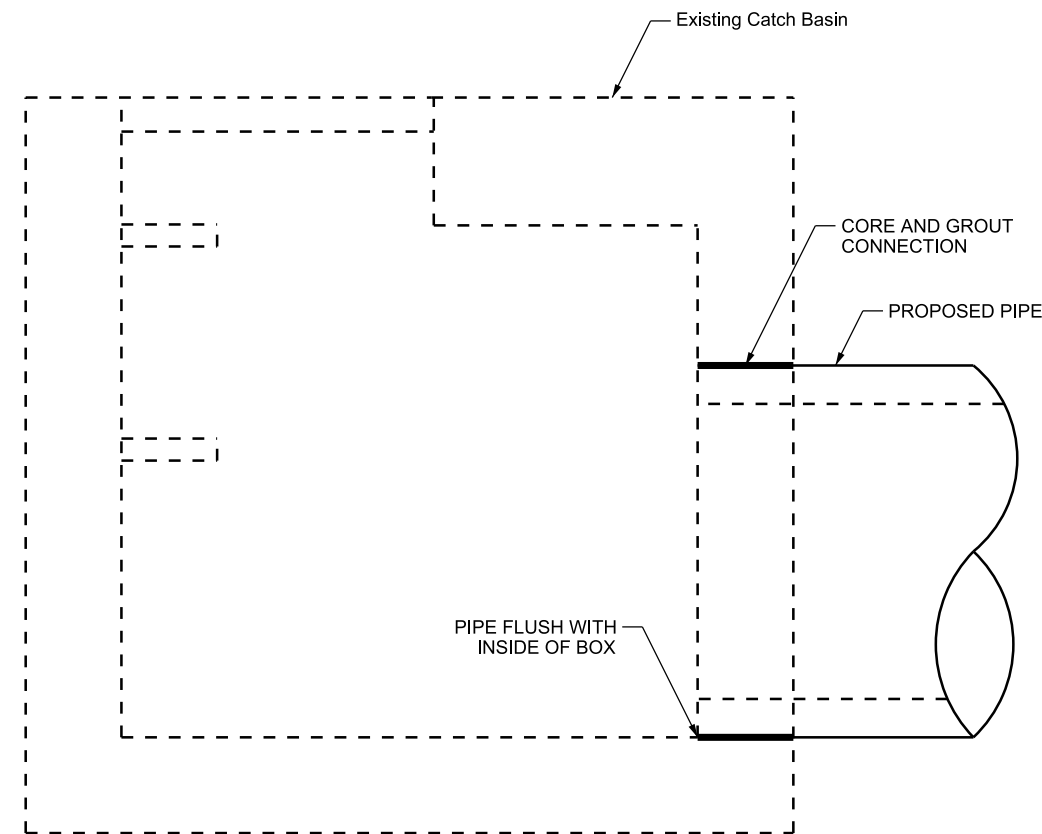
**LAYOUT A
FIELD STRUCTURE PLACEMENT**



CB 5 INLET PLACEMENT



DB 1 INLET PLACEMENT



**CONNECTION DETAIL
PROPOSED PIPE TO EXISTING STRUCTURE**

**LAYOUT C
INLET PLACEMENT ADJACENT TO WALL**

03-MAR-2020 DCN File: IP: P:\P\p\0344489\LEH_OP_1-DRDT-02.dgn

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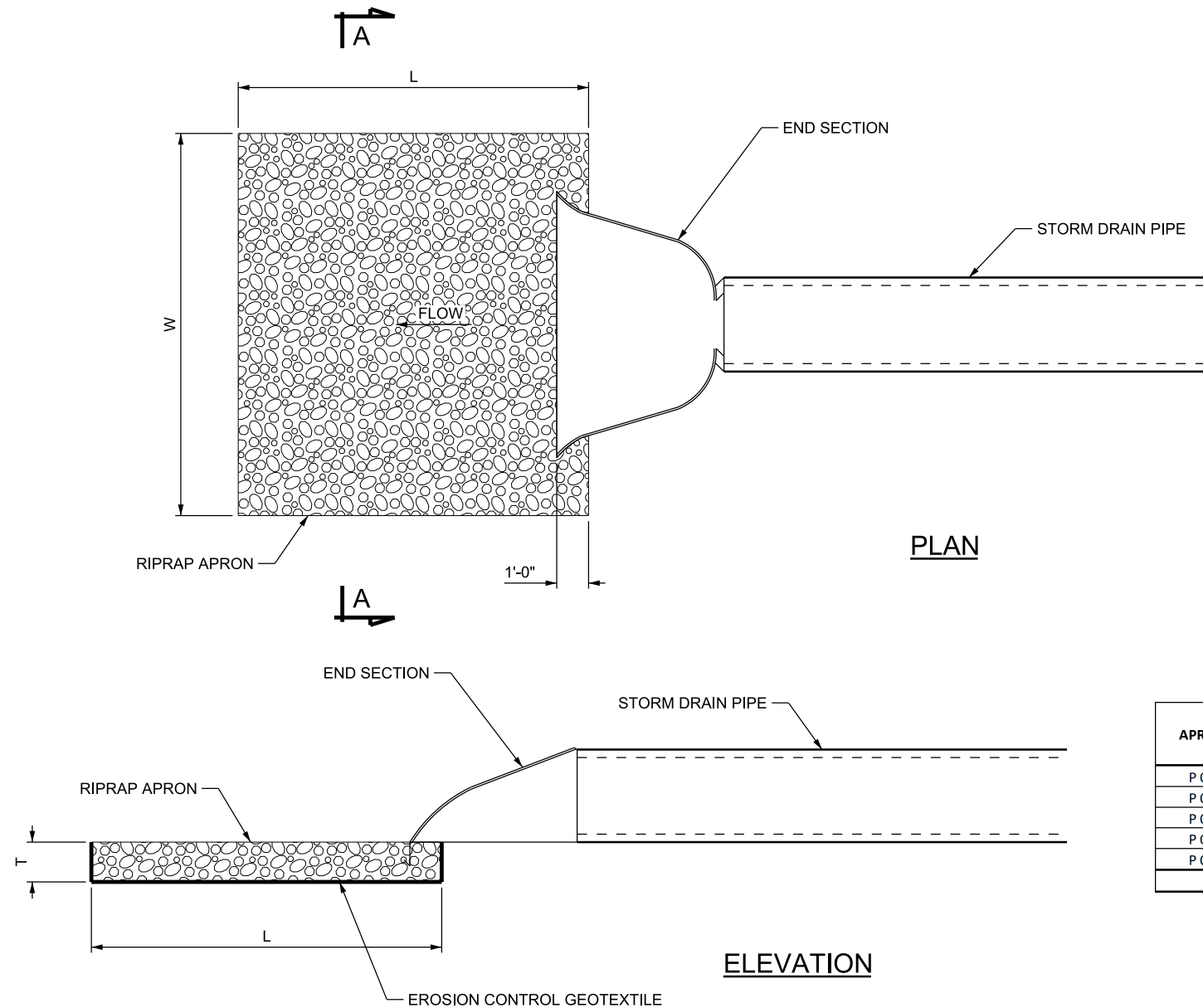
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UTA

**DRAINAGE STRUCTURE PLACEMENT/
CONNECTION DETAIL**

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

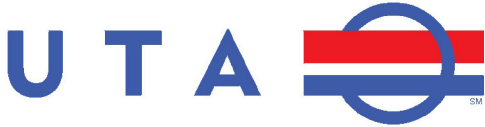
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UTA Contract No. 18-2399TP	
Drawing DRDT-02	Sheet No. 2 OF 6

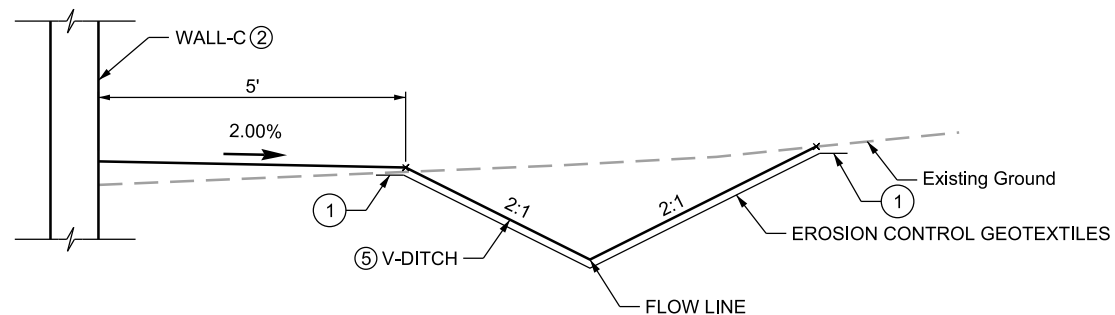
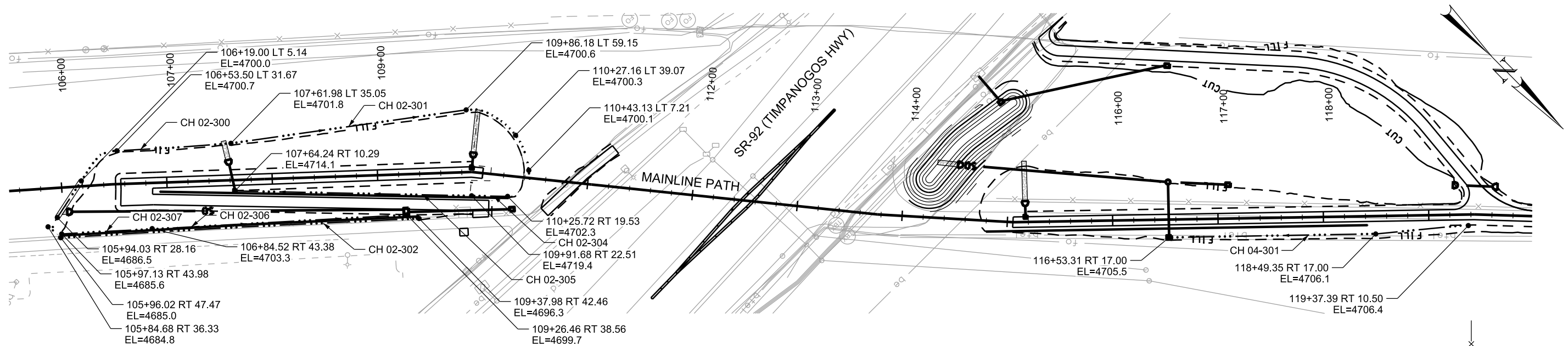


APRON ID	D50 IN	T IN	L FT	W FT	EROSION CONTROL GEOTEXTILE SQYD	LOOSE RIPRAP CUYD	PIPE SIZE (IN)	VELOCITY (FPS)
P 02-03	6	12	45.8	3.0	17	5	12	3.6
P 02-04	6	12	21.8	3.0	9	2	12	2.0
P 02-07	6	12	5.0	4.5	5	1	18	4.7
P 03-01	6	12	42.6	3.0	16	5	12	2.1
P 04-07	6	12	20.5	6.0	16	5	24	3.5
TOTAL					63	18		

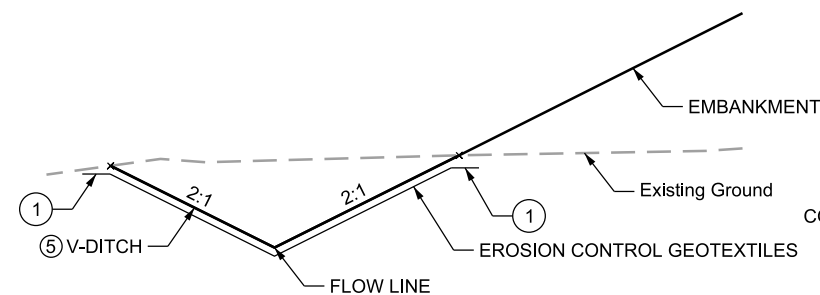
RIPRAP PLACEMENT DETAIL

03-MAR-2020 D:\N File: IP: P:\P\0344489\LEH_OP_1-DRDT-03.dgn

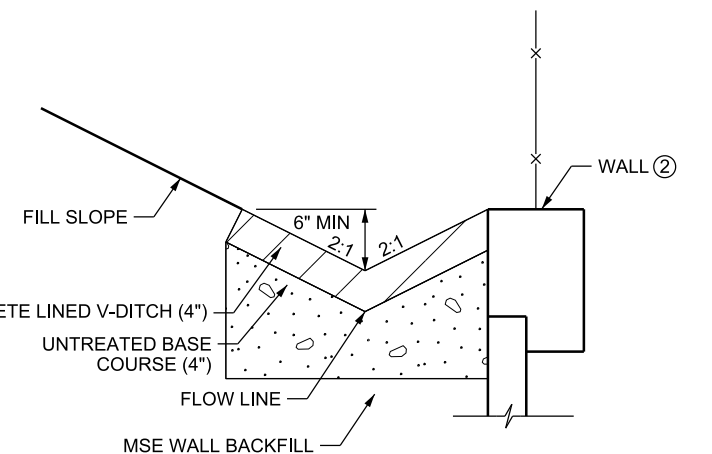
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			Drawn By				UTA Contract No. 18-2399TP	
			Checked By				Drawing	Sheet No.
			Approved By				DRDT-03	3 OF 6
			ALK					



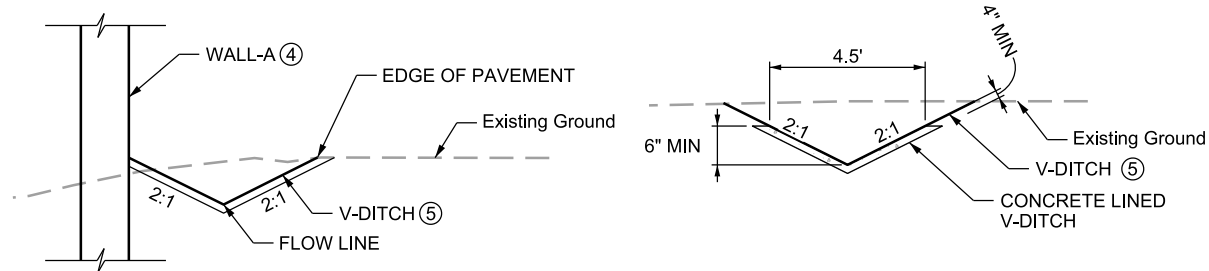
TYPICAL A



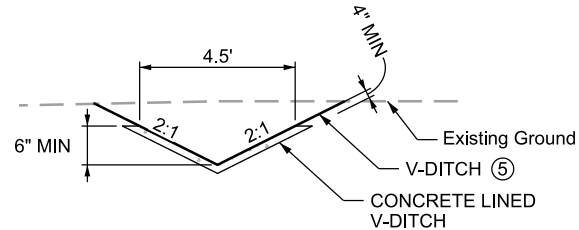
TYPICAL B



TYPICAL C



TYPICAL D



TYPICAL E

NOTES:

- ① KEY-IN EROSION CONTROL GEOTEXTILE 1' MIN PAST DITCH TOP OF BANK AS SHOWN.
- ② SEE DT-02, DT-03 AND DT-05 FOR WALL DETAILS.
- ③ SEE DT-04 AND DT-05 FOR WALL DETAILS.
- ④ SEE DT-02 AND DT-05 FOR WALL DETAILS.
- ⑤ SEE TABLE THIS SHEET FOR DITCH LINING MATERIAL.

ID	TYPICAL SECTION	ALIGNMENT	FROM		TO		AVERAGE SLOPE	LINING	NOTES
			STATION	OFFSET	STATION	OFFSET			
CH 02-300	B	MAINLINE PATH	106+19.00	5.14 LT	107+61.98	35.05 LT	1.00%	CLASS D VEGETATION	
CH 02-300	E	MAINLINE PATH	105+94.03	28.16 RT	106+19.00	5.14 LT	32.63%	CONCRETE	
CH 02-301	B	MAINLINE PATH	107+61.98	35.05 LT	110+43.13	7.21 LT	0.50%	CLASS D VEGETATION	SEE DRDT-06 FOR GRADING TIE-IN DETAILS.
CH 02-302	D	MAINLINE PATH	105+96.02	47.47 RT	109+37.98	42.46 RT	3.33%	CLASS D VEGETATION	
CH 02-304	C	MAINLINE PATH	109+91.68	22.51 RT	110+25.72	19.53 RT	46.27%	CONCRETE	
CH 02-305	C	MAINLINE PATH	107+64.24	10.29 RT	109+91.68	22.51 RT	2.55%	CONCRETE	
CH 02-306	C	MAINLINE PATH	106+84.52	43.38 RT	109+26.46	38.56 RT	1.50%	CONCRETE	
CH 02-307	C	MAINLINE PATH	105+97.13	43.98 RT	106+84.52	43.38 RT	46.77%	CONCRETE	
CH 04-301	A	MAINLINE PATH	116+53.31	17.00 RT	119+37.39	10.50 RT	0.30%	CLASS D VEGETATION	

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DITCH DETAILS

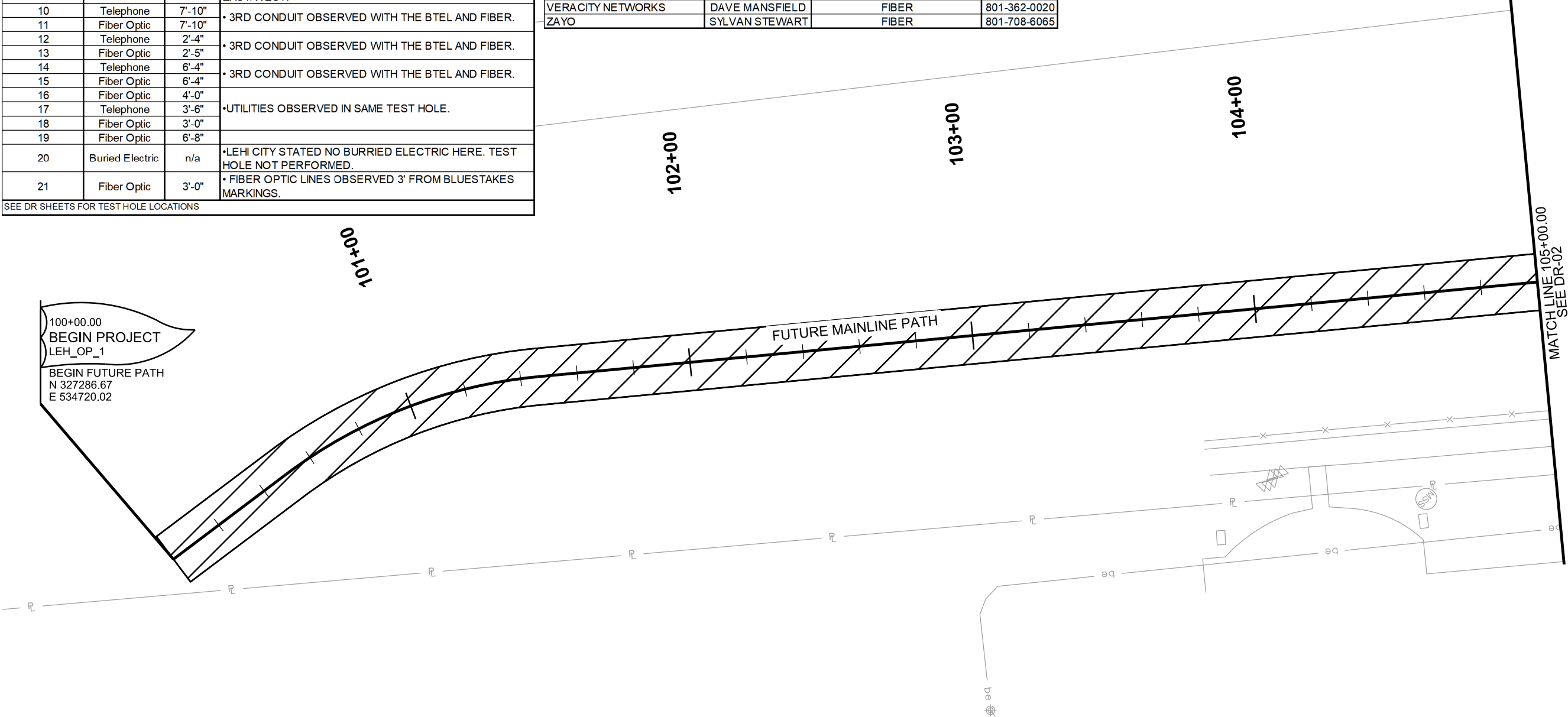
LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename LEH_OP_1-DRDT-05	
UTA Contract No. 18-2399TP	
Drawing DRDT-05	Sheet No. 5 OF 6

TEST HOLE INFORMATION			
TEST HOLE	UTILITY	DEPTH	NOTES FROM TEST HOLE SURVEY
1	Fiber Optic	3'-2"	2 CONDUITS OBSERVED.
2	Fiber Optic	3'-2"	TRENCHED UNDERNEATH EXISTING HMA. CONDUITS BELIEVED TO BE IN TH-1
3	Fiber Optic	3'-6"	• 1 X 18"-24" PIPE. • 1 X 36" PIPE. • 3 X FIBER OPTIC CONDUITS.
4	Fiber Optic	2'-0"	
5	Fiber Optic	2'-1"	
6	Fiber Optic	2'-1"	
7	Fiber Optic	2'-1"	
8	Fiber Optic	8'-6"	•SURVEYOR CONFIRMED WITH LEHI CITY THAT NO BURIED ELECTRIC LINE OWNED BY LEHI CITY IS RUNNING EAST/WEST.
9	Buried Electric	n/a	
10	Telephone	7'-10"	
11	Fiber Optic	7'-10"	
12	Telephone	2'-4"	
13	Fiber Optic	2'-5"	• 3RD CONDUIT OBSERVED WITH THE BTCL AND FIBER.
14	Telephone	6'-4"	
15	Fiber Optic	6'-4"	
16	Fiber Optic	4'-0"	•UTILITIES OBSERVED IN SAME TEST HOLE.
17	Telephone	3'-6"	
18	Fiber Optic	3'-0"	
19	Fiber Optic	6'-8"	
20	Buried Electric	n/a	•LEHI CITY STATED NO BURRIED ELECTRIC HERE. TEST HOLE NOT PERFORMED.
21	Fiber Optic	3'-0"	• FIBER OPTIC LINES OBSERVED 3' FROM BLUESTAKES MARKINGS.

SEE DR SHEETS FOR TEST HOLE LOCATIONS

UTILITY CONTACT LIST			
UTILITY COMPANY	CONTACT	UTILITY	PHONE
BLUE STAKES		UTILITY NOTIFICATION CENTER	800-662-4111
AMERICAN FORK CITY FIBER	MICAH HUNSAKER	FIBER	801-854-5967
AT&T	ROB WILLIAMSON	FIBER	208-850-7448
COMCAST	JEFF HOUSTON	FIBER & CATV	435-224-2356
CENTURY LINK	JOHN STEWART	FIBER & PHONE	801-505-0906
CENTRACOM	ALISA FATTZ	PHONE & CATV	435-427-3331
DOMINION ENERGY	TYSON ANDERSON	GAS	801-324-3634
LEHI CITY	GARY THOMAS	SEWER & WATER	385-201-1900
LEHI CITY	BRENT THOMAS	POWER	385-201-1040
MC/VERIZON BUSINESS		FIBER	469-886-4238
UDOT	AUSTIN TRIPP	FIBER & TRAFFIC SIGNALS	801-222-3418
UTOPIA	XIAOTONG WU	FIBER	801-613-3854
VERACITY NETWORKS	DAVE MANSFIELD	FIBER	801-362-0020
ZAYO	SYLVAN STEWART	FIBER	801-708-6065



NO WORK THIS SHEET

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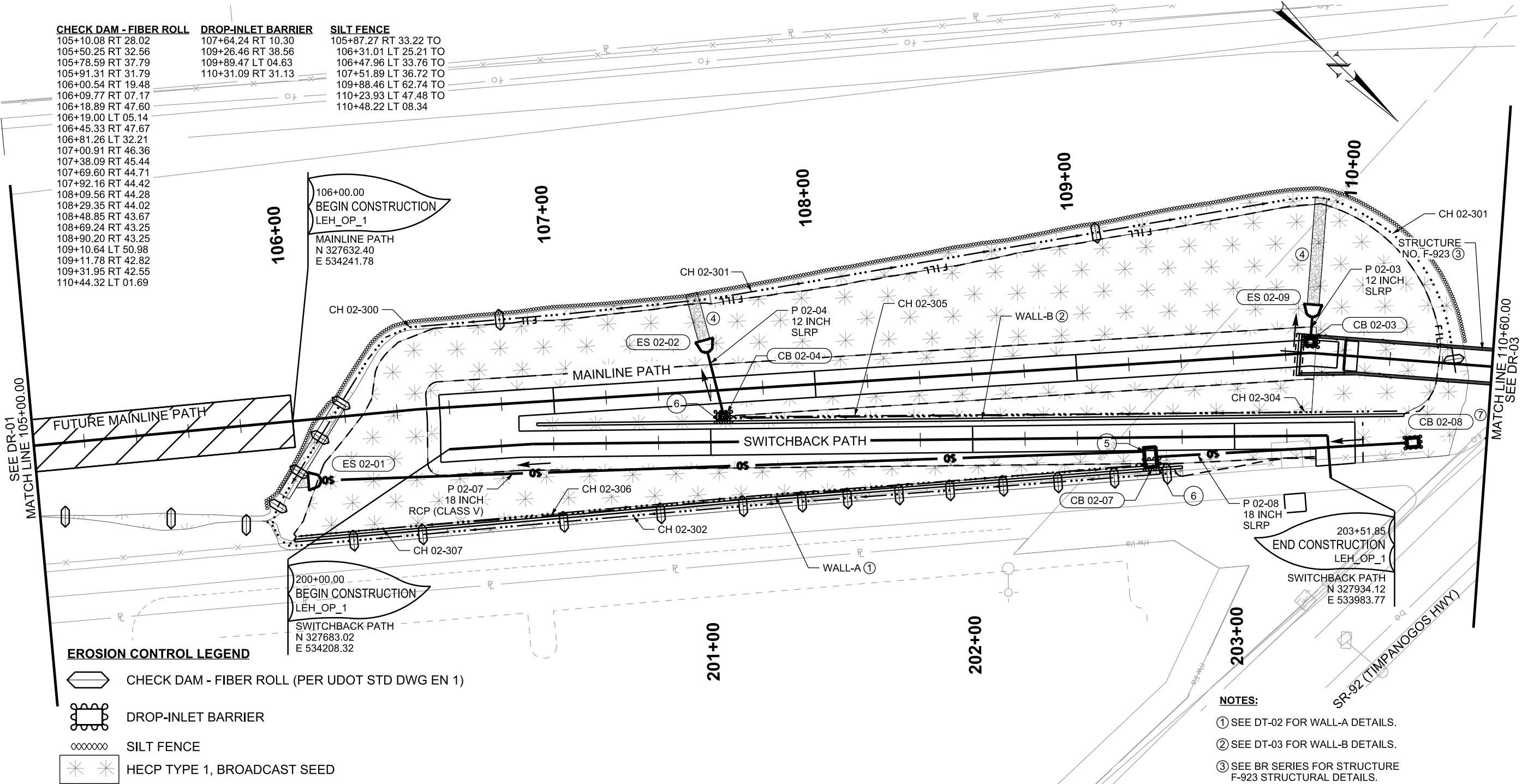
DRAINAGE

LEHI CITY
LEH_OP_1

PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename LEH_OP_DR-01.dgn	
UTA Contract No. 18-2399TP	
Drawing DR-01	Sheet No. 1 OF 7

CHECK DAM - FIBER ROLL	DROP-INLET BARRIER	SILT FENCE
105+10.08 RT 28.02	107+64.24 RT 10.30	105+87.27 RT 33.22 TO
105+50.25 RT 32.56	109+26.46 RT 38.56	106+31.01 LT 25.21 TO
105+78.59 RT 37.79	109+89.47 LT 04.63	106+47.96 LT 33.76 TO
105+91.31 RT 31.79	110+31.09 RT 31.13	107+51.89 LT 36.72 TO
106+00.54 RT 19.48		109+88.46 LT 62.74 TO
106+09.77 RT 07.17		110+23.93 LT 47.48 TO
106+18.89 RT 47.60		110+48.22 LT 08.34
106+19.00 LT 05.14		
106+45.33 RT 47.67		
106+81.26 LT 32.21		
107+00.91 RT 46.36		
107+38.09 RT 45.44		
107+69.60 RT 44.71		
107+92.16 RT 44.42		
108+09.56 RT 44.28		
108+29.35 RT 44.02		
108+48.85 RT 43.67		
108+69.24 RT 43.25		
108+90.20 RT 43.25		
109+10.64 LT 50.98		
109+11.78 RT 42.82		
109+31.95 RT 42.55		
110+44.32 LT 01.69		



EROSION CONTROL LEGEND

- CHECK DAM - FIBER ROLL (PER UDOT STD DWG EN 1)
- DROP-INLET BARRIER
- SILT FENCE
- HECP TYPE 1, BROADCAST SEED

ID	UDOT STD DWG	LINE	ALIGNMENT	STATION	OFFSET	GRATE	NOTES
ES 02-01	-	-	MAINLINE PATH	106+08.47	23.55 LT	-	18 INCH CIRCULAR END SECTION
ES 02-02	-	-	MAINLINE PATH	107+59.73	14.86 LT	-	12 INCH CIRCULAR END SECTION
CB 02-03	SEE BR SERIES FOR INLET INFORMATION						
CB 02-04	DB 1	3	MAINLINE PATH	107+64.16	11.79 RT	GRATE	-
CB 02-07	CB 5	-	SWITCHBACK PATH	202+68.07	11.60 RT	GF 1	-
CB 02-08	CB 5	-	MAINLINE PATH	110+31.09	31.13 RT	GF 1	-
ES 02-09	-	-	MAINLINE PATH	109+89.47	13.82 LT	-	12 INCH CIRCULAR END SECTION
*SEE DR-02A FOR GRATE ELEVATION AND LAYOUT INFORMATION							

ID	MATERIAL	FROM		TO		REMARKS
		STATION	OFFSET	STATION	OFFSET	
P 02-03	SLRP	109+89.47	5.50 LT	109+89.47	13.82 LT	-
P 02-04	SLRP	107+64.29	9.29 RT	107+59.73	14.86 LT	-
P 02-07	RCP	109+24.00	33.60 RT	106+08.47	23.55 RT	STRUCTURAL CLASS V
P 02-08	SLRP	110+29.11	31.44 RT	109+28.03	35.92 RT	-

- NOTES:
- ① SEE DT-02 FOR WALL-A DETAILS.
 - ② SEE DT-03 FOR WALL-B DETAILS.
 - ③ SEE BR SERIES FOR STRUCTURE F-923 STRUCTURAL DETAILS.
 - ④ SEE DRDT-03 FOR RIPRAP DETAILS.
 - ⑤ INSTALL P 02-07 OFFSET WITHIN CB 02-07 AS SHOWN. PROVIDE 2 INCHES BETWEEN OUTSIDE OF PIPE AND INSIDE WALL OF CATCH BASIN PER UDOT STD DWG CB 5.
 - ⑥ PROVIDE 2 INCHES RIGID PLASTIC FOAM BETWEEN INSIDE FACE OF WALL AND CATCH BASIN. SEE LAYOUT C ON DRDT-02.
 - ⑦ SEE DRDT-06 FOR PAD TIE-IN GRADING DETAILS.

03-MAR-2020
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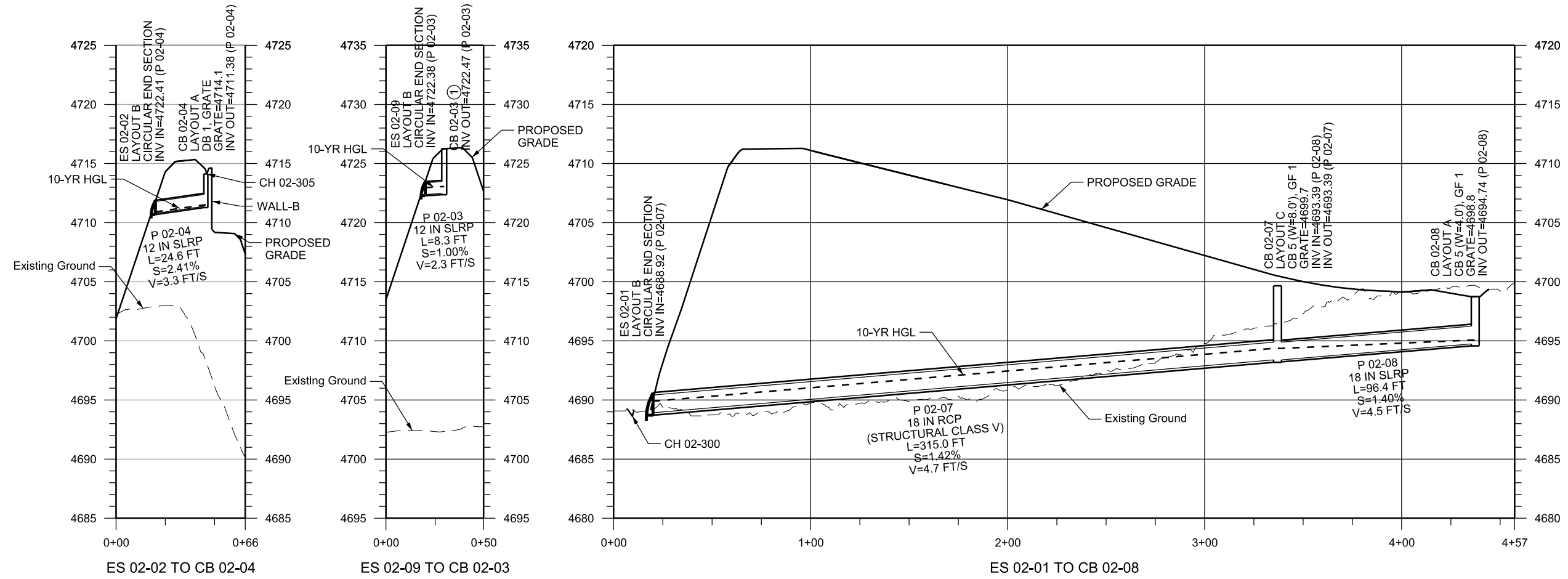


DRAINAGE

LEHI CITY
LEH_OP_1

PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

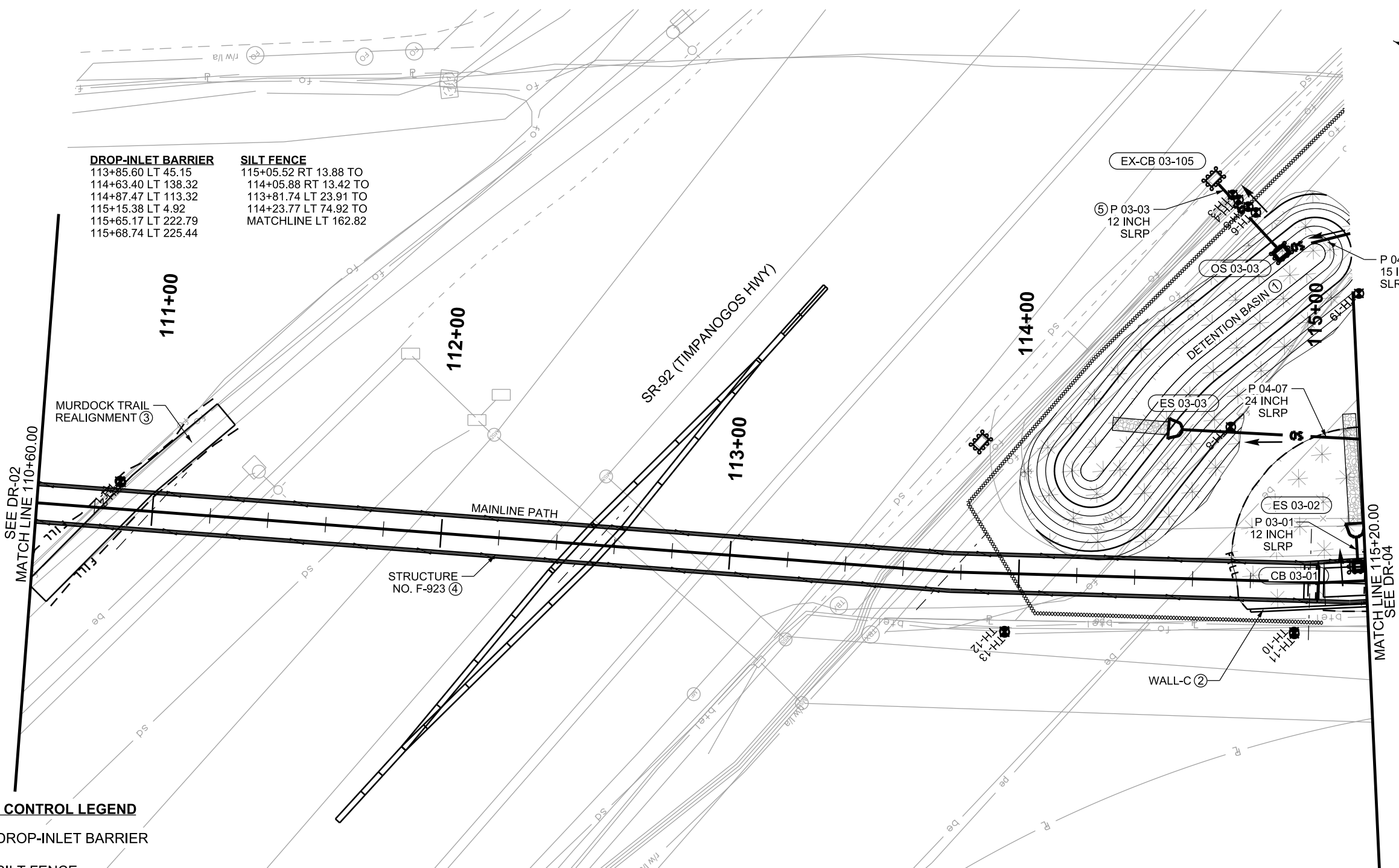
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UTA Contract No. 18-2399TP	
Drawing DR-02	Sheet No. 2 OF 7



NOTES:
① SEE BR SERIES FOR INLET DETAILS.

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			Drawn By				UTA Contract No.	
			DCV				18-2399TP	
			Checked By			LEHI CITY LEH_OP_1 PED OVERPASS STRUCTURE - UDOT STR NO. F-923 SR-92 & DIGITAL DRIVE	Drawing	Sheet No.
			NLB				DR-02A	3 OF 7
			Approved By					
			ALK					
REV	DATE	DESCRIPTION						



DROP-INLET BARRIER
113+85.60 LT 45.15
114+63.40 LT 138.32
114+87.47 LT 113.32
115+15.38 LT 4.92
115+65.17 LT 222.79
115+68.74 LT 225.44

SILT FENCE
115+05.52 RT 13.88 TO
114+05.88 RT 13.42 TO
113+81.74 LT 23.91 TO
114+23.77 LT 74.92 TO
MATCHLINE LT 162.82

EROSION CONTROL LEGEND



DROP-INLET BARRIER



SILT FENCE



HECP TYPE 1, BROADCAST SEED

ID	UDOT STD DWG	LINE	ALIGNMENT	STATION	OFFSET	GRATE	NOTES
CB 03-01			SEE BR SERIES FOR INLET INFORMATION				
ES 03-02	-	-	MAINLINE PATH	115+17.28	15.25 LT	-	12 INCH CIRCULAR END SECTION
ES 03-03	-	-	MAINLINE PATH	114+54.93	51.40 LT	-	24 INCH CIRCULAR END SECTION
OS 03-03	CB 5	-	MAINLINE PATH	114+87.47	113.32 LT	GF 1	-
*SEE DR-03A FOR GRATE ELEVATION AND LAYOUT INFORMATION							

ID	MATERIAL	FROM		TO		REMARKS
		STATION	OFFSET	STATION	OFFSET	
P 03-01	SLRP	115+17.40	6.23 LT	115+17.28	15.25 LT	-
P 03-03	SLRP	114+86.50	114.47 LT	114+64.74	136.85 LT	-

NOTES:

- SEE DRDT-04 FOR DETENTION BASIN GRADING DETAILS.
- SEE DT-04 FOR WALL-C DETAILS.
- SEE DT-06 FOR MURDOCK TRAIL REALIGNMENT DETAILS.
- SEE BR SERIES FOR STRUCTURE F-923 STRUCTURAL DETAILS.
- CONNECT PROPOSED PIPE TO EXISTING STRUCTURE. CORE AND GROUT WATER TIGHT CONNECTION. SEE DRDT-02 FOR CONNECTION DETAIL.

03-MAR-2020 DCN File: IP: P:\P\p\0344489\LEH_OP_1-DR-03.dgn

REV	DATE	DESCRIPTION

Designed By	MSN
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Checked By	NLB
Approved By	ALK



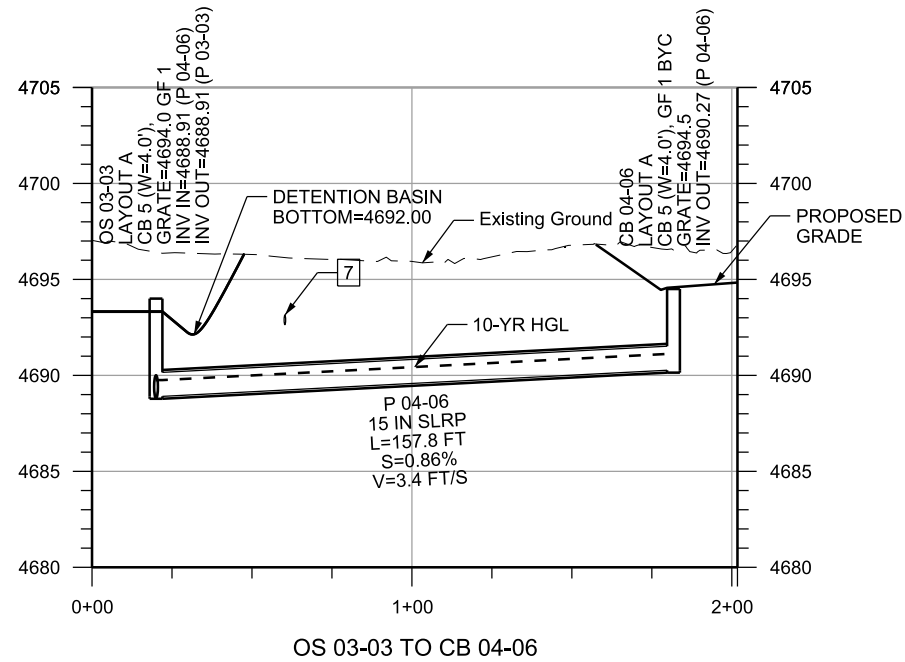
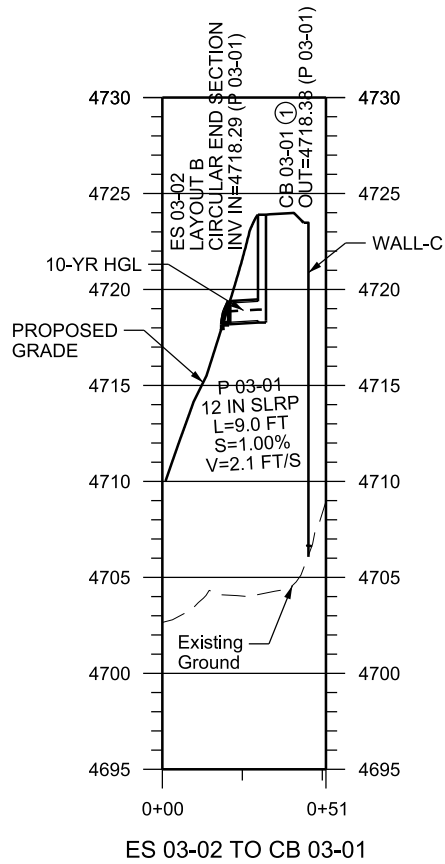
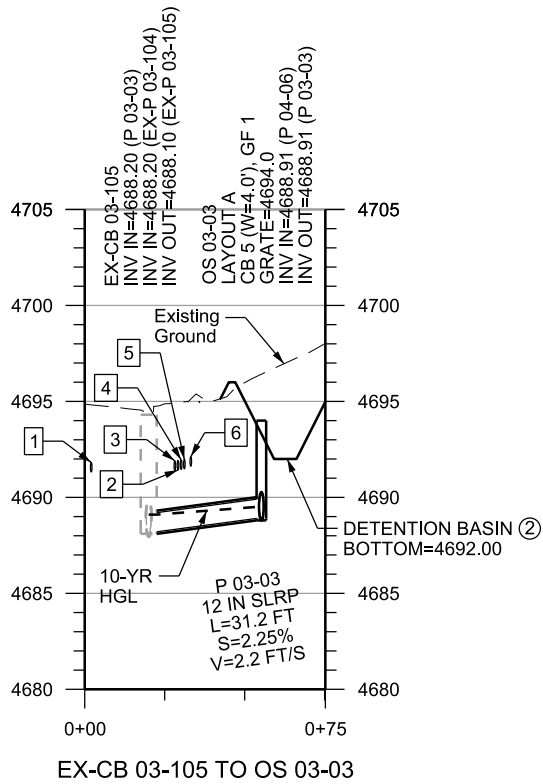
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DRAINAGE

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename LEH_OP_1-DR-03.dgn	
UTA Contract No. 18-2399TP	
Drawing DR-03	Sheet No. 4 OF 7



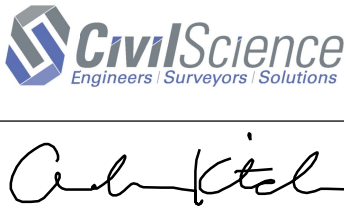
No.	UTILITY	OWNER	SIZE	COMMENT
①	Fiber Optic	CENTURY LINK	unk	PROTECT IN PLACE
②	Fiber Optic	UDOT	72 ct	PROTECT IN PLACE
③	Fiber Optic	UTOPIA	24 ct	PROTECT IN PLACE
④	Fiber Optic	XO	144 ct	PROTECT IN PLACE
⑤	Fiber Optic	CENTRACOM	72 ct	PROTECT IN PLACE
⑥	Fiber Optic	CENTURY LINK	unk	PROTECT IN PLACE
⑦	Fiber Optic	ELECTRIC LIGHTWAVE	96 ct	PROTECT IN PLACE

- NOTES:**
- ① SEE BR SERIES FOR INLET DETAILS.
 - ② SEE DRDT-04 FOR DETENTION BASIN GRADING DETAILS.

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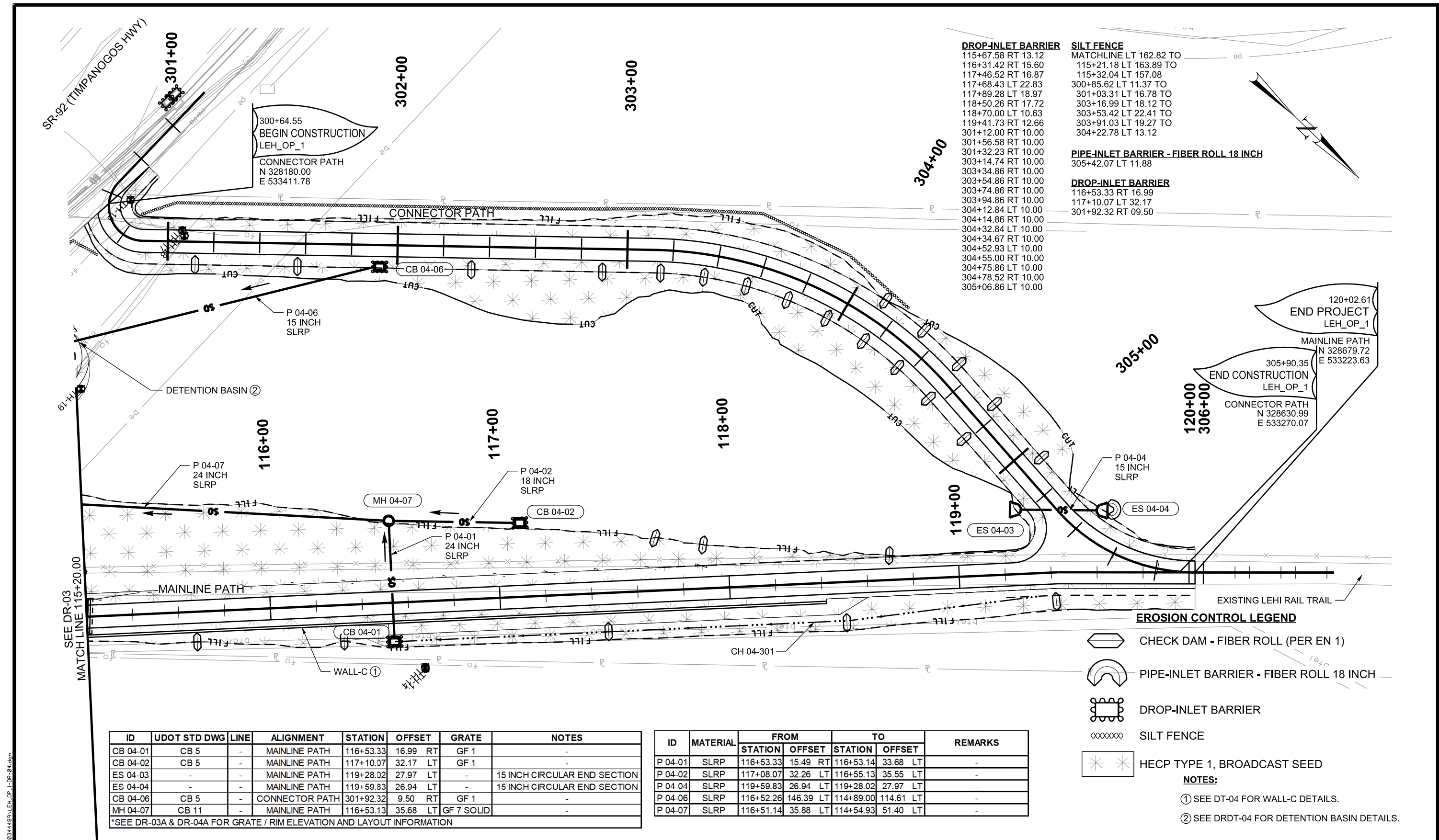
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Drawn By	DCV
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DRAINAGE PROFILE	
LEHI CITY LEH_OP_1	
PED OVERPASS STRUCTURE - UDOT STR NO. F-923 SR-92 & DIGITAL DRIVE	

CADD Filename LEH_OP_1-DR-03A.dgn	
UTA Contract No. 18-2399TP	
Drawing DR-03A	Sheet No. 5 OF 7



ID	UDOT STD DWG	LINE	ALIGNMENT	STATION	OFFSET	GRATE	NOTES
CB 04-01	CB 5	-	MAINLINE PATH	116+53.33	16.99 RT	GF 1	-
CB 04-02	CB 5	-	MAINLINE PATH	117+10.07	32.17 LT	GF 1	-
ES 04-03	-	-	MAINLINE PATH	119+28.02	27.97 LT	-	15 INCH CIRCULAR END SECTION
ES 04-04	-	-	MAINLINE PATH	119+59.83	26.94 LT	-	15 INCH CIRCULAR END SECTION
CB 04-06	CB 5	-	CONNECTOR PATH	301+92.32	9.50 RT	GF 1	-
MH 04-07	CB 11	-	MAINLINE PATH	116+53.13	35.68 LT	GF 7 SOLID	-

*SEE DR-03A & DR-04A FOR GRATE / RIM ELEVATION AND LAYOUT INFORMATION

ID	MATERIAL	FROM		TO		REMARKS
		STATION	OFFSET	STATION	OFFSET	
P 04-01	SLRP	116+53.33	15.49 RT	116+53.14	33.68 LT	-
P 04-02	SLRP	117+08.07	32.26 LT	116+55.13	35.55 LT	-
P 04-04	SLRP	119+59.83	26.94 LT	119+28.02	27.97 LT	-
P 04-06	SLRP	116+52.26	146.39 LT	114+89.00	114.61 LT	-
P 04-07	SLRP	116+51.14	35.88 LT	114+54.93	51.40 LT	-

- EROSION CONTROL LEGEND**
- CHECK DAM - FIBER ROLL (PER EN 1)
 - PIPE-INLET BARRIER - FIBER ROLL 18 INCH
 - DROP-INLET BARRIER
 - SILT FENCE
 - HEC-P TYPE 1, BROADCAST SEED

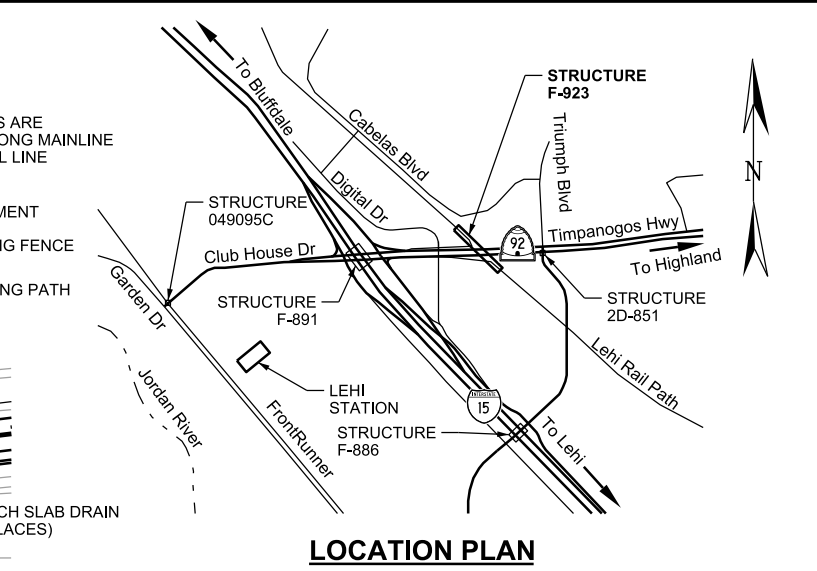
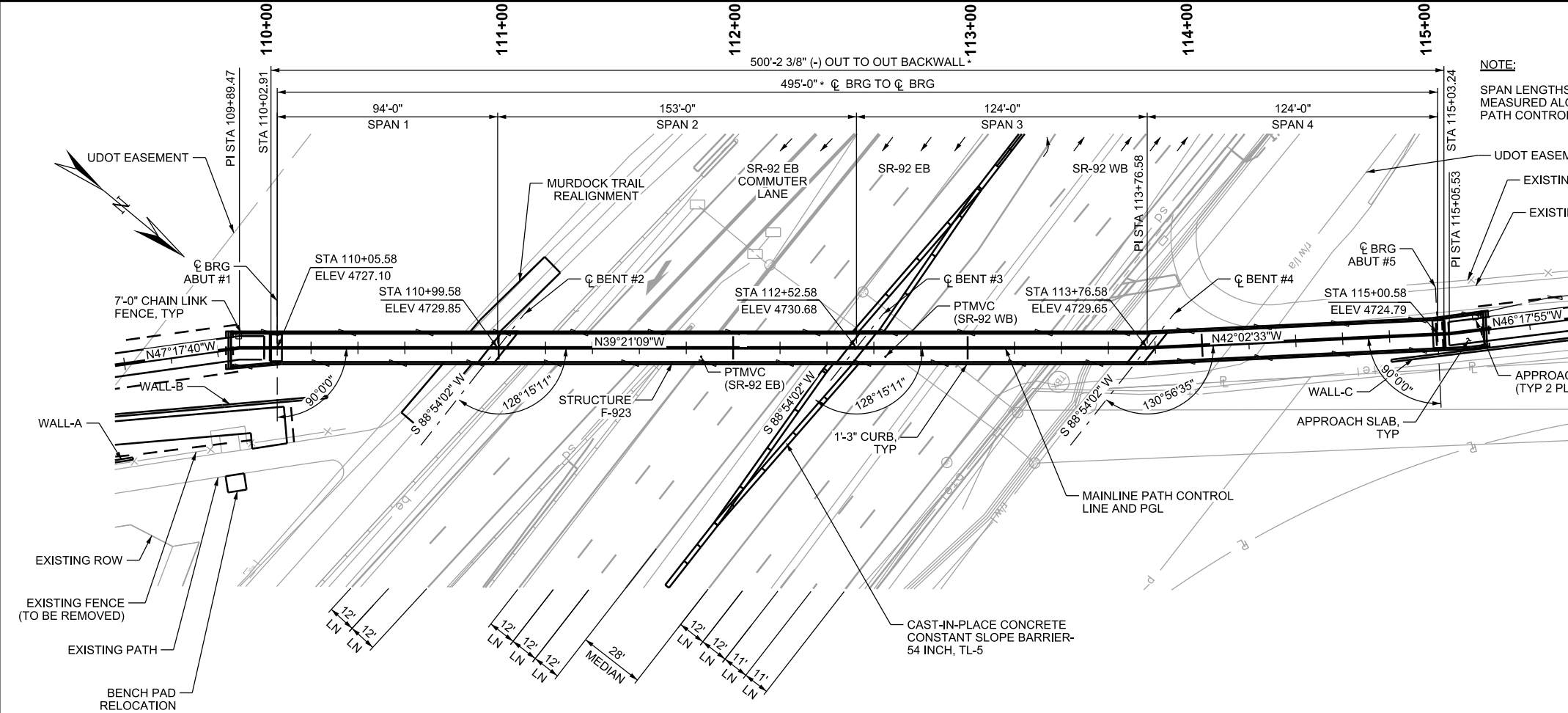
NOTES:

① SEE DT-04 FOR WALL-C DETAILS.

② SEE DRDT-04 FOR DETENTION BASIN DETAILS.

03-MAR-2020
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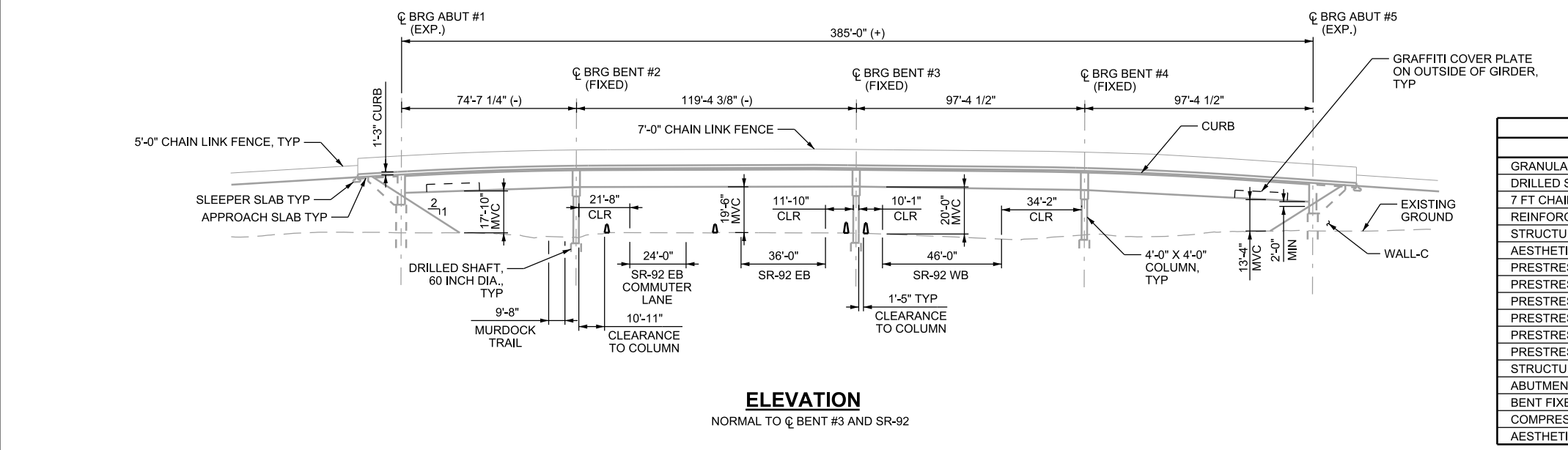
<table><tr><td>REV</td><td>DATE</td><td>DESCRIPTION</td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table>			REV	DATE	DESCRIPTION													<table><tr><td>Designed By</td><td>MSN</td></tr><tr><td>Drawn By</td><td>DCV</td></tr><tr><td>Checked By</td><td>NLB</td></tr><tr><td>Approved By</td><td>ALK</td></tr></table>		Designed By	MSN	Drawn By	DCV	Checked By	NLB	Approved By	ALK	CivilScience Engineers Surveyors Solutions UTA		DRAINAGE LEHI CITY LEH_OP_1 PED OVERPASS STRUCTURE - UDOT STR NO. F-923 SR-92 & DIGITAL DRIVE		<table><tr><td colspan="2">CADD Filename LEH_OP_1-DR-04.dgn</td></tr><tr><td colspan="2">UTA Contract No. 18-2399TP</td></tr><tr><td>Drawing DR-04</td><td>Sheet No. 6 OF 7</td></tr></table>	CADD Filename LEH_OP_1-DR-04.dgn		UTA Contract No. 18-2399TP		Drawing DR-04	Sheet No. 6 OF 7
REV	DATE	DESCRIPTION																																				
Designed By	MSN																																					
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CADD Filename LEH_OP_1-DR-04.dgn																																						
UTA Contract No. 18-2399TP																																						
Drawing DR-04	Sheet No. 6 OF 7																																					



PLAN
SEE FOUNDATION PLAN FOR UTILITIES INFORMATION

GENERAL NOTES
SEE "SITUATION & LAYOUT 2 OF 2"

DESIGN DATA
SEE "SITUATION & LAYOUT 2 OF 2"



INDEX OF SHEETS			
1. SITUATION & LAYOUT 1 OF 2	17. DECK PLAN 2 OF 2		
2. SITUATION & LAYOUT 2 OF 2	18. DECK SECTION		
3. FOUNDATION PLAN	19. ABUTMENT DIAPHRAGM DETAILS		
4. DRILLED SHAFT DETAILS	20. ABUTMENT EXPANSION BEARING		
5. ABUTMENT PLAN AND ELEVATION	21. APPROACH SLAB PLAN		
6. ABUTMENT DETAILS	22. APPROACH SLAB DETAILS		
7. WINGWALL DETAILS	23. APPROACH SLAB DRAIN DETAILS		
8. BENT PLAN AND ELEVATION	24. BENT DIAPHRAGM DETAILS 1 OF 2		
9. BENT DETAILS	25. BENT DIAPHRAGM DETAILS 2 OF 2		
10. FRAMING PLAN 1 OF 2	26. SCREED ELEVATIONS 1 OF 2		
11. FRAMING PLAN 2 OF 2	27. SCREED ELEVATIONS 2 OF 2		
12. UBT74 GIRDER DETAILS 1 OF 2	28. FENCING DETAILS		
13. UBT74 GIRDER DETAILS 2 OF 2	29. AESTHETIC DETAILS		
14. BEARING PAD AND GRAFFITI PLATE DETAILS	30. REINFORCING SCHEDULE 1 OF 2		
15. INTERMEDIATE DIAPHRAGM DETAILS	31. REINFORCING SCHEDULE 2 OF 2		
16. DECK PLAN 1 OF 2			

QUANTITIES			
ITEM	EST QTY	UNIT	AS CONST
GRANULAR BACKFILL BORROW (PLAN QUANTITY)	50	CU YD	
DRILLED SHAFTS, 60 INCH	188	FT	
7 FT CHAIN LINK FENCE	1,069	FT	
REINFORCING STEEL - COATED (PLAN QUANTITY)	113,569	LB	
STRUCTURAL CONCRETE (EST LUMP QTY 453 CU YD)	1	LUMP	
AESTHETICS - FORMLINER	1	LUMP	
PRESTRESSED CONCRETE MEMBER 91 FT 0 INCH TYPE UBT74	1	EACH	
PRESTRESSED CONCRETE MEMBER 96 FT 11 INCH TYPE UBT74	1	EACH	
PRESTRESSED CONCRETE MEMBER 120 FT 7 INCH TYPE UBT74	1	EACH	
PRESTRESSED CONCRETE MEMBER 122 FT 4 INCH TYPE UBT74	2	EACH	
PRESTRESSED CONCRETE MEMBER 127 FT 1 INCH TYPE UBT74	1	EACH	
PRESTRESSED CONCRETE MEMBER 151 FT 4 INCH TYPE UBT74	2	EACH	
STRUCTURAL STEEL (EST LUMP QTY 1,508 LB)	1	LUMP	
ABUTMENT EXPANSION BEARING	4	EACH	
BENT FIXED BEARING	12	EACH	
COMPRESSION JOINT SEAL	32	FT	
AESTHETICS - TINTED CONCRETE SEALER	1	LUMP	

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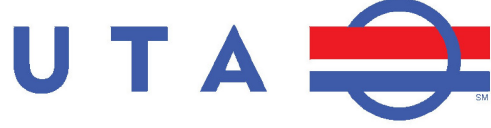
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Checked By	AFY
Approved By	ALK



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UTA



SITUATION & LAYOUT 1 OF 2

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename LEH_OP_1-BR-01.dgn	
UTA Contract No. 18-2399TP	
Drawing BR-01	Sheet No. 1 OF 31



GENERAL NOTES

1. USE COATED DEFORMED CARBON STEEL BARS CONFORMING TO AASHTO M111 OR ASTM A775 AND AASHTO M31 GRADE 60, UNLESS SHOWN OTHERWISE.
2. USE COATED DEFORMED CARBON STEEL BARS CONFORMING TO ASTM A706 GRADE 60 IN CONCRETE COLUMNS.
3. USE STRUCTURAL STEEL CONFORMING TO AASHTO M270 GRADE 36, UNLESS SHOWN OTHERWISE.
4. CHAMFER ALL EXPOSED CONCRETE CORNERS 3/4 INCH EXCEPT WHERE SHOWN OTHERWISE.
5. PROVIDE 2 INCH MINIMUM CONCRETE COVER TO REINFORCING STEEL UNLESS SHOWN OTHERWISE.
6. VERIFY UTILITY LOCATIONS BEFORE CONSTRUCTION. PROTECT EXISTING UTILITIES IN PLACE UNLESS SHOWN OTHERWISE.
7. COAT OR GALVANIZE ALL MISCELLANEOUS STEEL PLACED IN STRUCTURAL CONCRETE, UNLESS SHOWN OTHERWISE.
8. DO NOT SCALE DRAWINGS. HORIZONTAL DIMENSIONS ARE PLAN. VERTICAL DIMENSIONS ARE PLUMB.



DESIGN DATA

LOADING IN ACCORDANCE WITH AASHTO LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, 2009; WITH 2015 INTERIMS AND AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION 2017, AND THE 2017 UDOT STRUCTURE DESIGN AND DETAILING MANUAL. SEISMIC DESIGN IN ACCORDANCE WITH AASHTO GUIDE SPECIFICATIONS FOR LRFD SEISMIC BRIDGE DESIGN, 2ND EDITION 2010 WITH 2012 INTERIM REVISIONS.

STRUCTURAL CONCRETE				
ALL LOCATIONS UNLESS SHOWN OTHERWISE	145 PCF	$f'_c = 4.0$ KSI		$n = 8$ CLASS AA(AE)
PRESTRESSED CONCRETE	145 PCF	$f'_c = 8.5$ KSI	$f_{cl} = 6.5$ KSI	$n = 5$ CLASS AA(PS)
DRILLED SHAFTS	145 PCF	$f'_c = 4.0$ KSI		$n = 8$ CLASS AA(AE)

CONCRETE WEIGHT FOR LOADS 150 PCF UNLESS SHOWN OTHERWISE

REINFORCING STEEL
ALL LOCATIONS UNLESS INDICATED OTHERWISE $f_y = 60 \text{ KSI}$

PRESTRESSED STRAND: 0.600" DIA GRADE 270 LOW RELAXATION STRAND (GIRDER)

STRUCTURAL STEEL: $F_y = 36$ KSI (GRADE 36) UNLESS SHOWN OTHERWISE

SEISMIC: 7% PROBABILITY OF EXCEEDANCE IN 75 YR DESIGN EVENT
PGA=0.30g, Ss = 0.69g, S1 = 0.20g
As= 0.36g, SDs = 0.86g, SD1 = 0.40g
SITE CLASS D, SDC C
BRIDGE CLASSIFICATION - NORMAL (LIFE SAFETY)

			Designed By
			KGJ
			Drawn By
			DCV
			Checked By
			AFY
			Approved By
REV	DATE	DESCRIPTION	ALK

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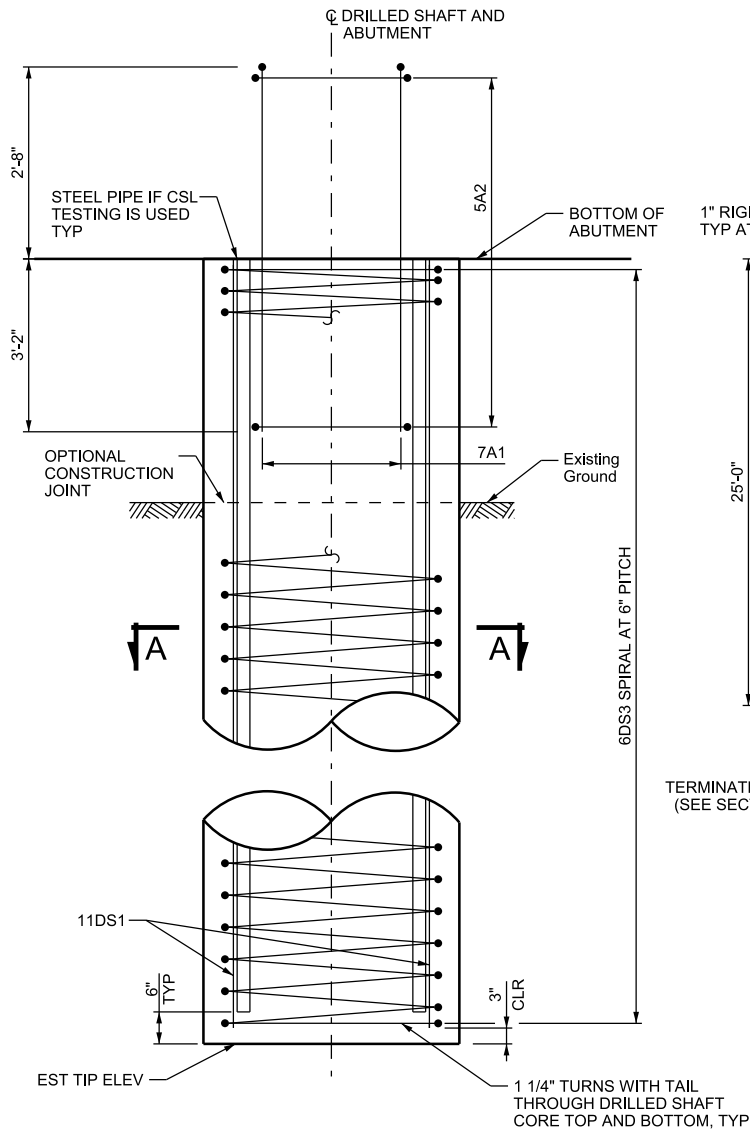
Dr. G. Ganesan

The logo for the University of Tennessee at Chattanooga (UTA) features the letters "UTA" in a bold, blue, sans-serif font, followed by a stylized blue circle with a red horizontal bar passing through its center. A small "SM" trademark symbol is located at the bottom right of the circle.

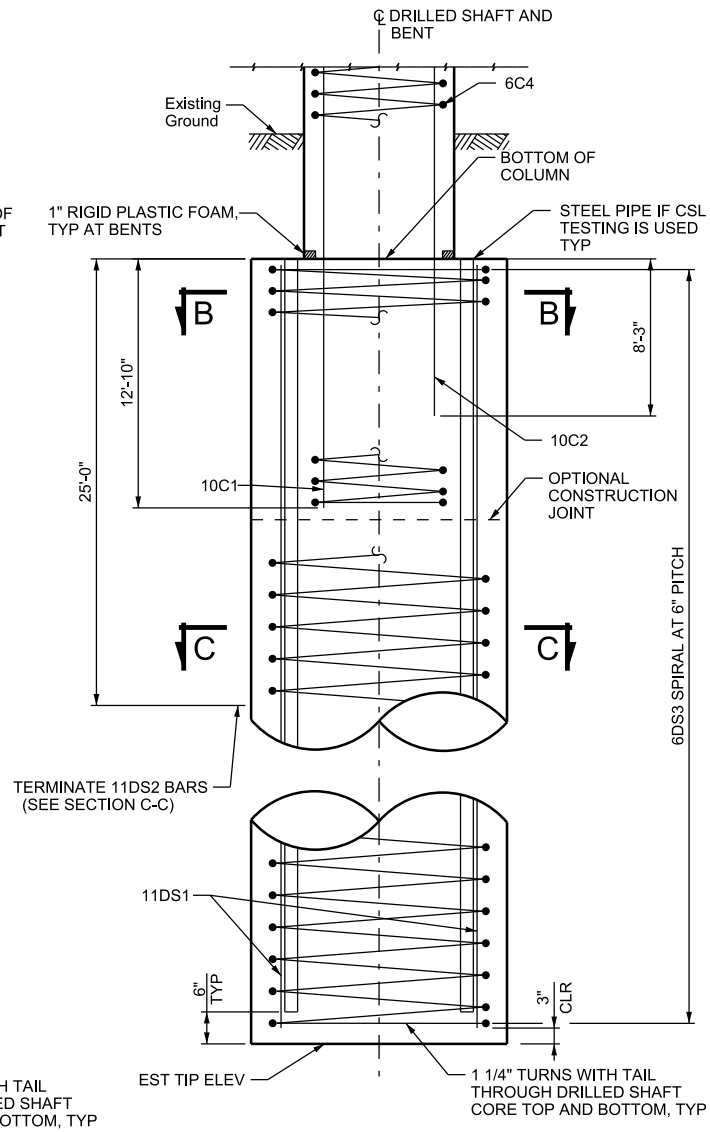
SITUATION & LAYOUT 2 OF 2

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

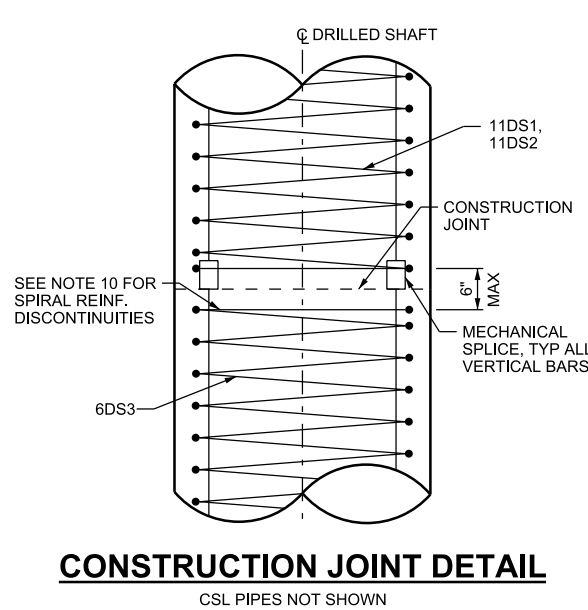
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UTA Contract No. 18-2399TP	
Drawing BR-02	Sheet No. 2 OF 31



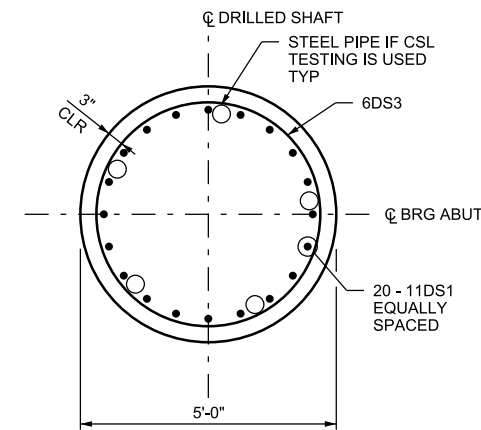
DRILLED SHAFT DETAIL
AT ABUTMENTS



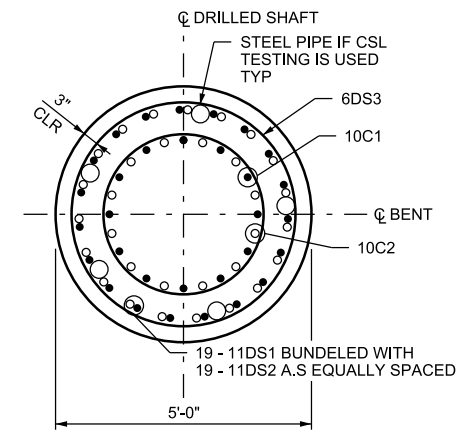
DRILLED SHAFT DETAIL
AT BENTS



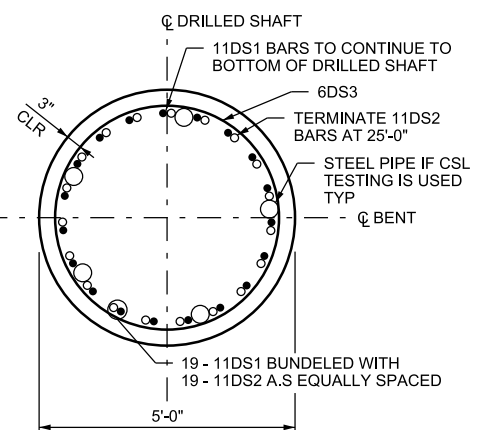
CONSTRUCTION JOINT DETAIL



SECTION A-A



SECTION B-B



SECTION C-C

NOTES

- ESTIMATED DRILLED SHAFT TIP ELEVATIONS SHOWN ARE APPROXIMATE. VERIFY TIP ELEVATIONS AT TIME OF CONSTRUCTION. REMOVE ALL LOOSE MATERIAL AT BOTTOM OF EXCAVATION PRIOR TO PLACING REINFORCEMENT OR CONCRETE.
- REINFORCING STEEL AND CONCRETE FOR DRILLED SHAFT IS INCLUDED IN CONTRACT PRICE FOR DRILLED SHAFT. REINFORCING STEEL IS NOT INCLUDED IN REINFORCING SCHEDULE.
- USE TEMPORARY CASING TO PREVENT POTENTIAL DRILLED SHAFT CAVING. REMOVE TEMPORARY CASING AS CONCRETE IS PLACED.
- HOLD REINFORCING STEEL IN POSITION DURING PLACEMENT OF CONCRETE IN DRILLED SHAFT.
- USE UNCOATED DEFORMED CARBON STEEL BARS CONFORMING TO ASTM A 706 GRADE 60 OR AASHTO M 31 GRADE 60, MEETING THE DUCTILITY REQUIREMENTS FOR ASTM A 706 FOR VERTICAL BARS IN DRILLED SHAFT. USE UNCOATED DEFORMED CARBON STEEL BARS CONFORMING TO AASHTO M 31 GRADE 60 FOR SPIRAL.
- REVIEW THE CONDITIONS ENCOUNTERED AND REPORTED ON THE BORING LOGS FOUND IN THE "GEOTECHNICAL ENGINEERING REPORT" BY TERRACON CONSULTANTS DATED FEBRUARY 18, 2020.
- NO LAP SPLICES PERMITTED IN VERTICAL REINFORCING STEEL. USE MECHANICAL SPLICES CAPABLE OF DEVELOPING AT LEAST 125% OF THE SPECIFIED MINIMUM YIELD STRENGTH OF THE REINFORCING BAR.
- SPECIALTY EXCAVATION EQUIPMENT MAY BE REQUIRED TO ADVANCE EXCAVATIONS THROUGH DENSE TO VERY DENSE SOILS. COBBELS AND CEMENTED ZONES MAY BE ENCOUNTERED AT THE SITE.
- USE CLASS AA(AE) CONCRETE WITH $f_c = 4.0$ KSI FOR DRILLED SHAFTS.
- AT SPIRAL DISCONTINUITIES, TERMINATE THE SPIRAL WITH 1 1/4 TURN PLUS A TAIL EQUAL TO THE CAGE DIAMETER THROUGH THE CORE OF THE DRILLED SHAFT. AS AN ALTERNATE, PROVIDE MECHANICAL SPLICES CAPABLE OF DEVELOPING AT LEAST 125% OF THE SPECIFIED MINIMUM YIELD STRENGTH OF THE REINFORCING BAR.
- CSL OR TIP INTEGRITY TESTING IS REQUIRED. REVIEW AND ADDRESS ANY VELOCITY OR ENERGY REDUCTIONS GREATER THAN 10%. MITIGATE ANY REDUCTIONS GREATER THAN 20%.

LOCATION	DC $\gamma = 1.25$ KIPS	DW $\gamma = 1.50$ KIPS	EH $\gamma = 1.35$ KIPS	DD $\gamma = 1.05$ KIPS	PL $\gamma = 1.75$ KIPS	UPLIFT $\gamma = 1.00$ KIPS	EQ HORZ $\gamma = 1.00$ KIPS	EQ VERT $\gamma = 1.00$ KIPS	EQ Δ ** $\gamma = 1.00$ INCHES
ABUTMENT #1	313	NA	NA	NA	33	NA	411	NA	2.0
BENT #2	712	NA	NA	NA	152	NA	221	NA	0.5
BENT #3	699	NA	NA	NA	150	NA	307	NA	0.8
BENT #4	692	NA	NA	NA	147	NA	287	NA	0.3
ABUTMENT #5	317	NA	NA	NA	53	NA	411	NA	2.6

LOCATION	Q_{ULT} KIPS	Q_R KIPS	Q_{SCOUR} $\phi = 1.00$ KIPS	Q_{EQ} $\phi = 1.00$ KIPS	$Q_{EQ UPLIFT}$ $\phi = 1.00$ KIPS	Q_{UPLIFT} $\phi = 0.35$ KIPS	$Q_{SERVICE}$ $\phi = 1.00$ KIPS	$Q_{R, EQ}$ ** $\phi = 1.00$ INCH
ABUTMENT #1	2,090	1,150	NA	2,250	460	NA	1,365	2.2
BENT #2	2,110	1,160	NA	2,250	460	NA	1,365	2.6
BENT #3	2,640	1,450	NA	2,375	525	NA	1,450	3.3
BENT #4	2,270	1,250	NA	2,450	565	NA	1,500	3.3
ABUTMENT #5	1,910	1,050	NA	2,050	394	NA	1,200	3.1

* SETTLEMENT ≤ 0.5 INCHES

** DRILLED SHAFT SIZE AND DEPTH DESIGN CONTROLLED BY LATERAL DISPLACEMENTS. DISPLACEMENTS SHOWN ARE TAKEN AT TOP OF SHAFT.

**AS CONSTRUCTED
DRILLED SHAFT
TIP ELEV**

FEET
ABUT #1
BENT #2
BENT #3
BENT #4
ABUT #5

ITEM	LOCATION	EST QTY (FT)	EST CASING LENGTH (FT)	EST CONCRETE (CU YD)	EST REINF. (LB)
DRILLED SHAFTS, 60 INCH	ABUTMENT #1	47	32	34	6798
DRILLED SHAFTS, 60 INCH	BENT #2	40	41	29	8317
DRILLED SHAFTS, 60 INCH	BENT #3	35	37	26	7600
DRILLED SHAFTS, 60 INCH	BENT #4	31	34	23	7026
DRILLED SHAFTS, 60 INCH	ABUTMENT #5	35	25	26	5077

LOCATION	DRILLED SHAFT DIAMETER INCH	NUMBER OF DRILLED SHAFTS	EST TIP ELEV FEET
ABUTMENT #1	60	1	4670.00
BENT #2	60	1	4660.00
BENT #3	60	1	4666.00
BENT #4	60	1	4669.00
ABUTMENT #5	60	1	4679.50

03-MAR-2020
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REV	DATE	DESCRIPTION

Designed By	TGG
Drawn By	DCV
Checked By	AFY
Approved By	ALK



Signature

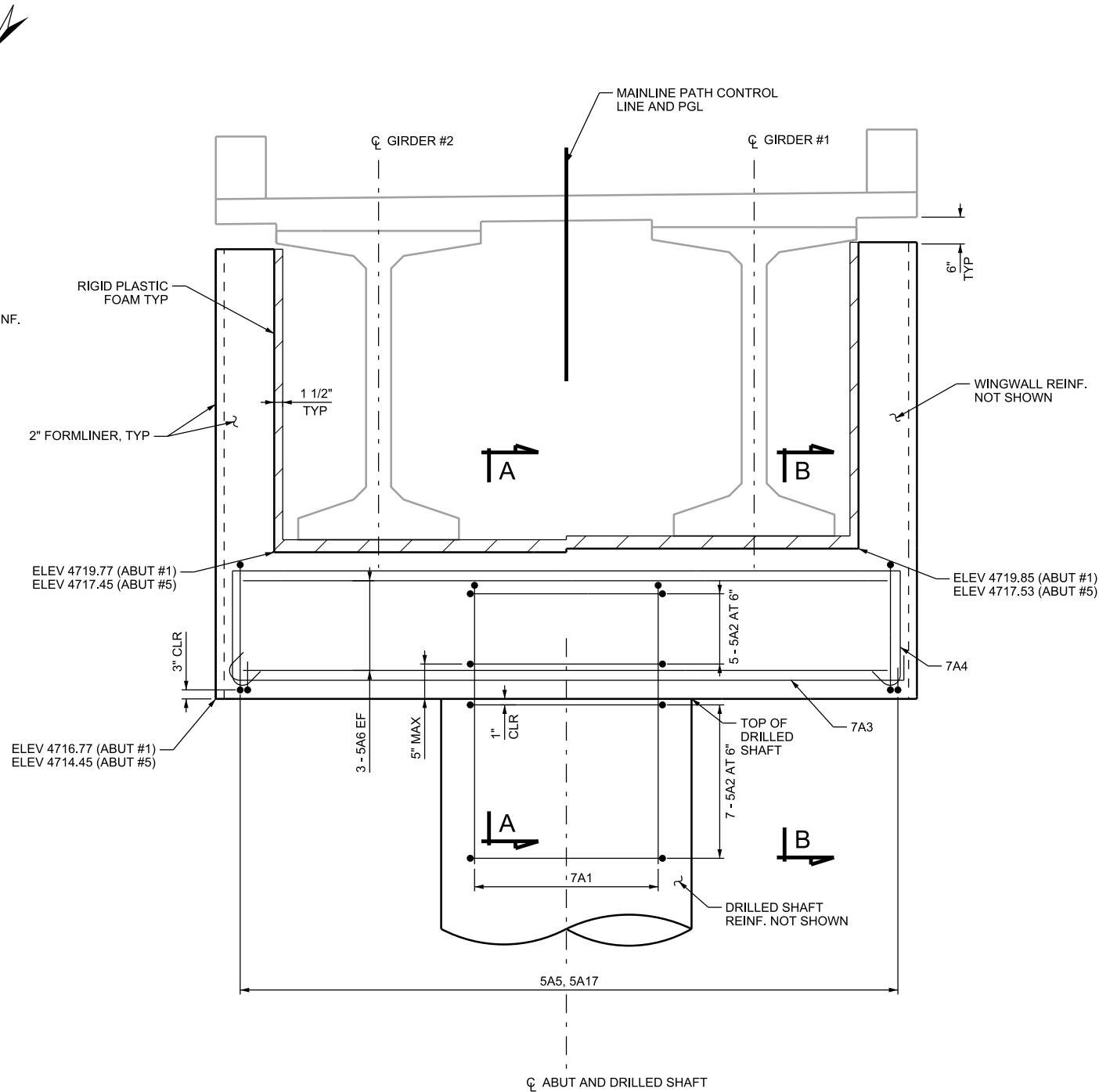
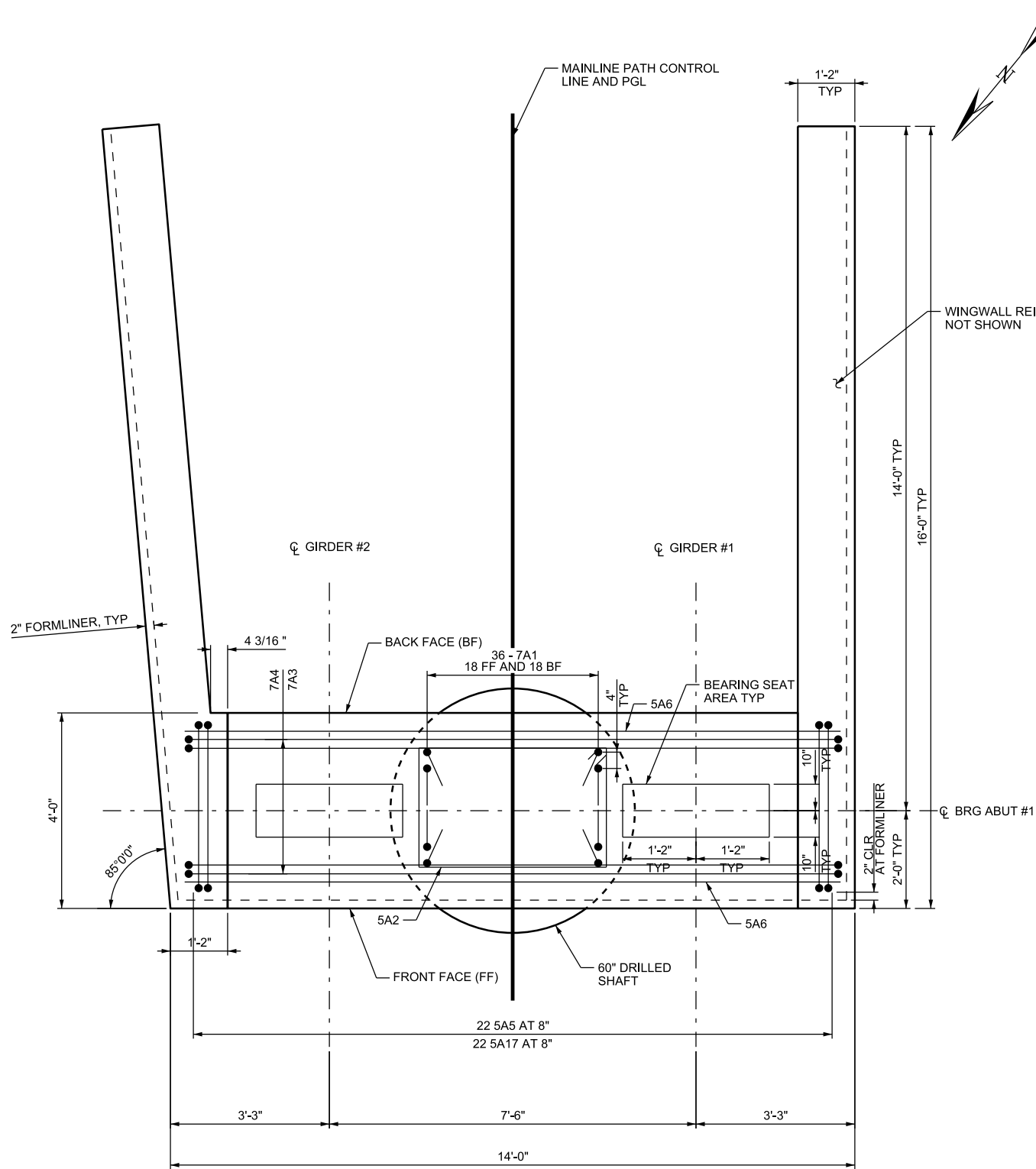


DRILLED SHAFT DETAILS

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename	LEH_OP_1-BR-04.dgn
UTA Contract No.	18-2399TP
Drawing	BR-04
Sheet No.	4 OF 31

03-MAR-2020
DCN File: IP: P:\P\p\034448\LEH.OP.1-BR-05.dgn



NOTES:

1. SEE "WINGWALL DETAILS" FOR WINGWALL DETAILS.
2. SEE "ABUTMENT DETAILS" FOR SECTIONS A-A AND B-B.
3. FINISH BEARING SEAT AREA LEVEL. RUB OR GRIND LEVEL OVER BEARING SEAT AREA TO ELEVATION SHOWN $\pm 1/8"$.

QUANTITIES			
ITEM	LOCATION	EST QTY	UNIT
STRUCTURAL CONCRETE	ABUT #1	10.4	CU YD
STRUCTURAL CONCRETE	ABUT #5	10.4	CU YD

REV	DATE	DESCRIPTION

Designed By	TGG
Drawn By	DCV
Checked By	AFY
Approved By	ALK

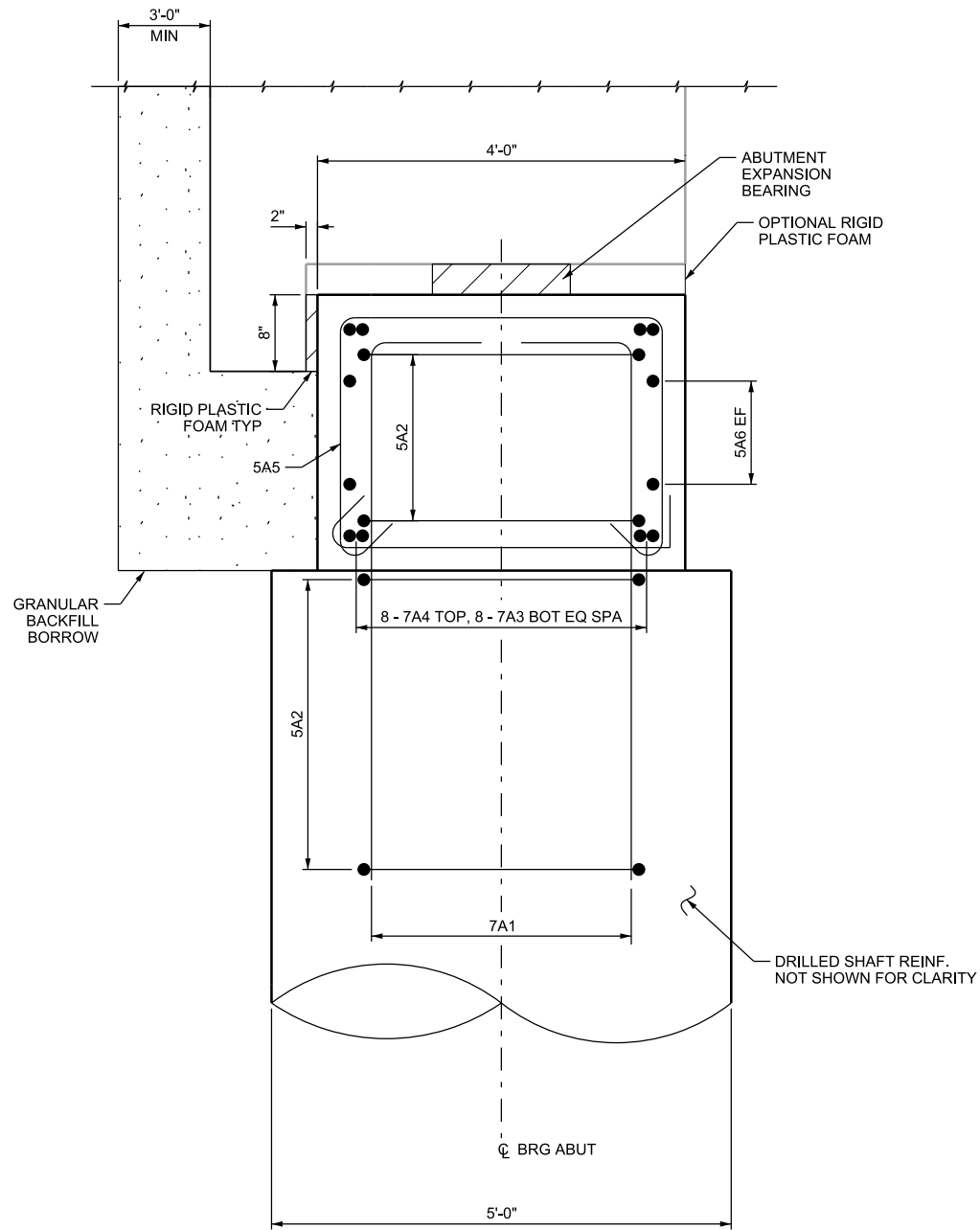




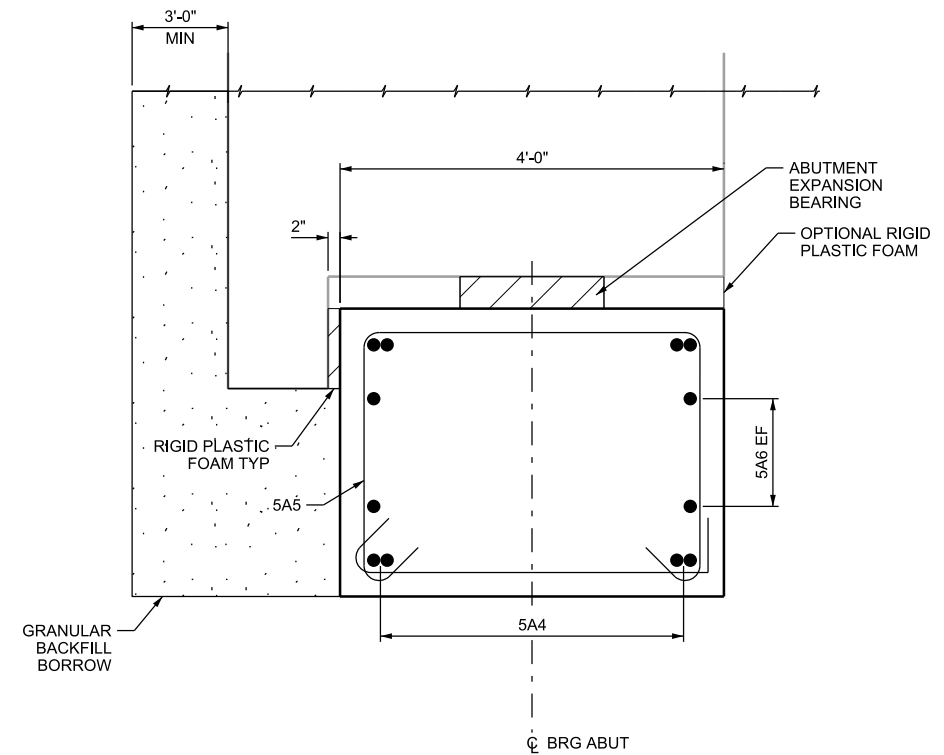
ABUTMENT PLAN AND ELEVATION

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename LEH OP 1-BR-05.dgn	
UTA Contract No. 18-2399TP	
Drawing BR-05	Sheet No. 5 OF 31



SECTION A-A



SECTION B-B

03-MAR-2020 DCN File: IP: P:\P\0344489\LEH.OP.1-BR-06.dgn

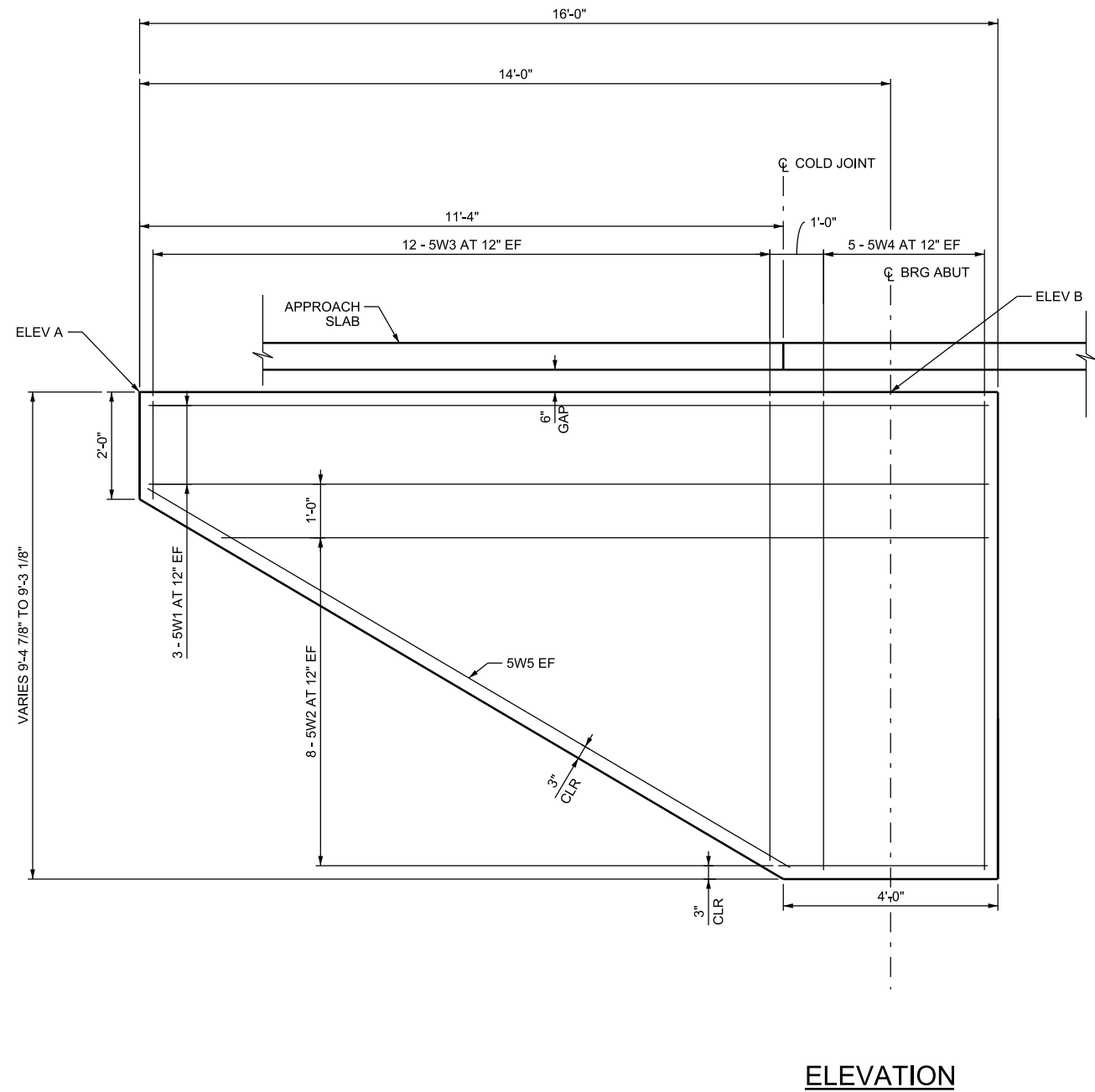
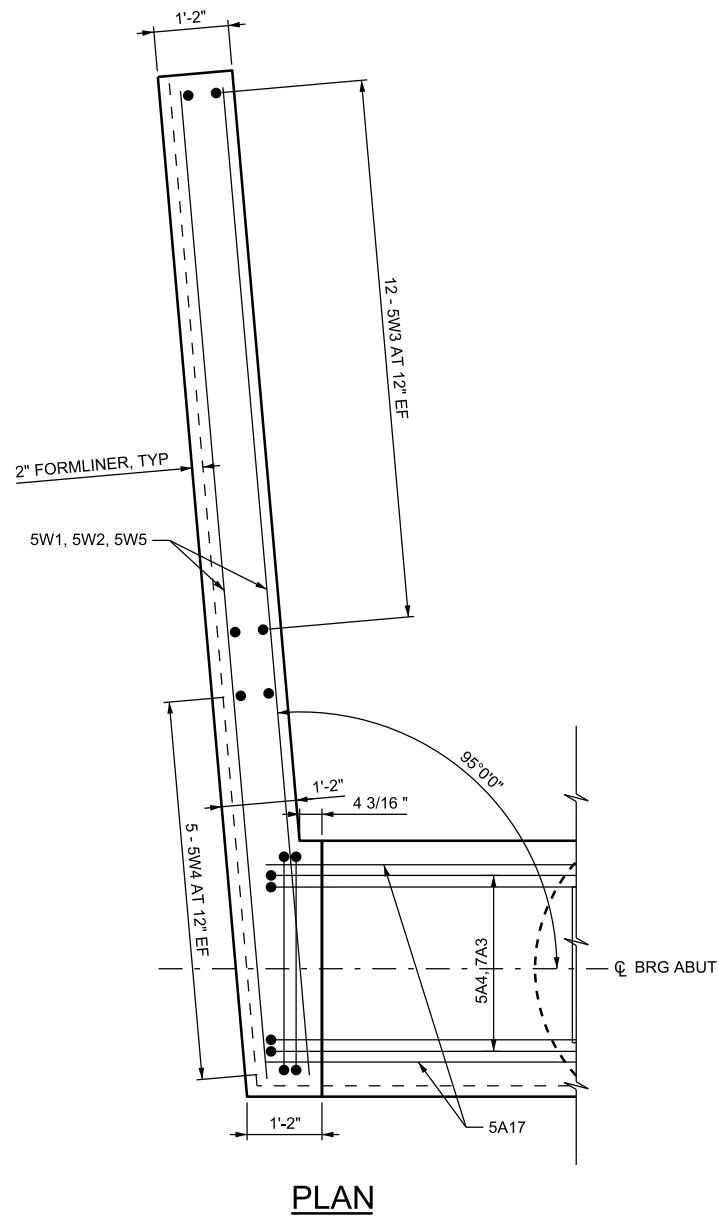
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Drawn By	DCV
Checked By	AFY
Approved By	ALK



ABUTMENT DETAILS	
LEHI CITY LEH_OP_1	
PED OVERPASS STRUCTURE - UDOT STR NO. F-923 SR-92 & DIGITAL DRIVE	

CADD Filename LEH OP 1-BR-06.dgn	
UTA Contract No. 18-2399TP	
Drawing BR-06	Sheet No. 6 OF 31



NOTES:

1. SEE "ABUTMENT PLAN AND ELEVATION" FOR ADDITIONAL DETAILS.

LOCATION	ELEV A (FT)	ELEV B (FT)
ABUTMENT #1 WEST	4725.33	4726.03
ABUTMENT #1 EAST	4725.50	4726.17
ABUTMENT #5 WEST	4723.02	4723.70
ABUTMENT #5 EAST	4723.19	4723.86

QUANTITIES			
ITEM	LOCATION	EST QTY	UNIT
STRUCTURAL CONCRETE	ABUTMENT #1	8.9	CU YD
STRUCTURAL CONCRETE	ABUTMENT #2	8.9	CU YD

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REV	DATE	DESCRIPTION

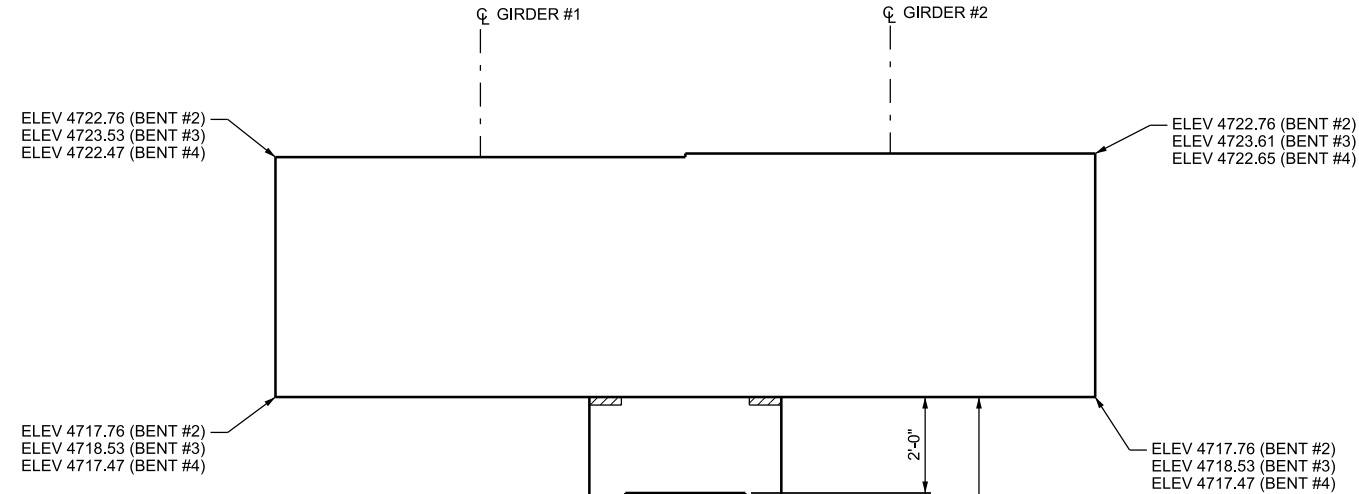
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Approved By	ALK



WINGWALL DETAILS

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename LEH OP 1-BR-07.dgn	
UTA Contract No. 18-2399TP	
Drawing BR-07	Sheet No. 7 OF 31



2" FORMLINER,
TYP EACH FACE
(SEE BR-29 FOR DETAILS)

EXISTING GRADE
ELEV 4701.00 (BENT #2)
ELEV 4702.50 (BENT #3)
ELEV 4702.50 (BENT #4)

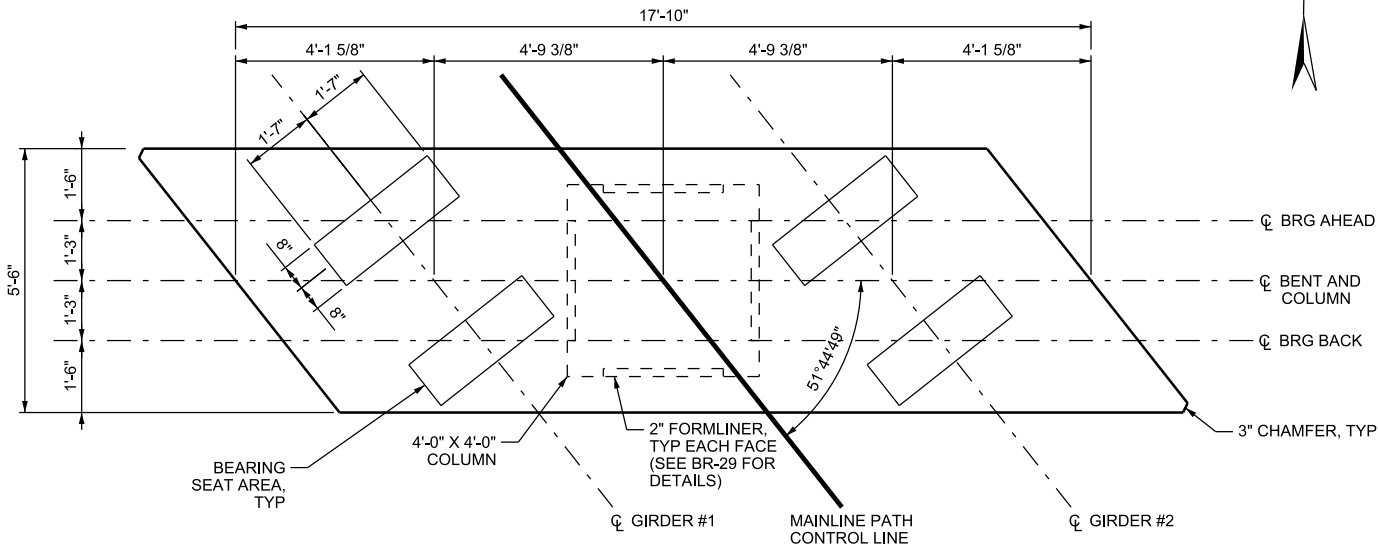
ELEV 4699.76 (BENT #2)
ELEV 4700.53 (BENT #3)
ELEV 4699.47 (BENT #4)

ELEV 4722.76 (BENT #2)
ELEV 4723.61 (BENT #3)
ELEV 4722.65 (BENT #4)

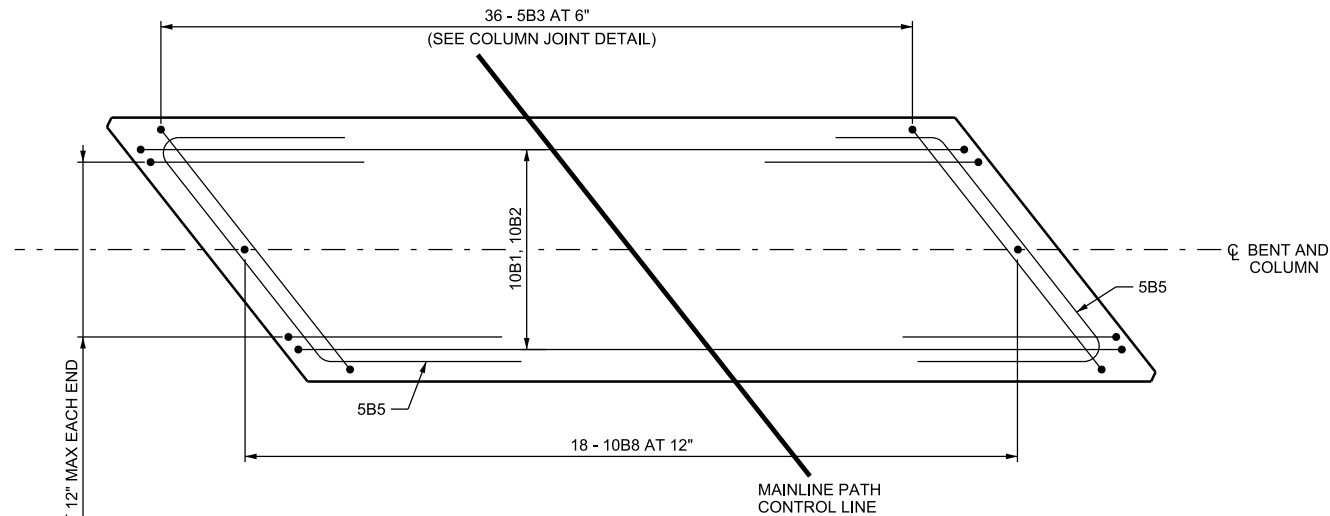
ELEV 4717.76 (BENT #2)
ELEV 4718.53 (BENT #3)
ELEV 4717.47 (BENT #4)

4" RIGID PLASTIC FOAM, FULL
DEPTH OF CONCRETE PAVEMENT
TYP EACH FACE

ELEVATION



PLAN



REINFORCEMENT PLAN

- NOTES:**
- SEE "BENT DETAILS" FOR ADDITIONAL REINFORCEMENT INFORMATION.
 - FINISH BEARING SEAT AREA LEVEL. RUB OR GRIND LEVEL OVER BEARING SEAT AREA TO ELEVATION SHOWN $\pm 1/8"$.

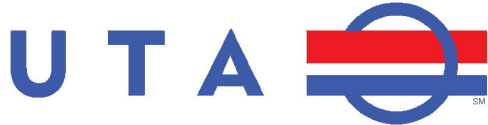
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REV	DATE	DESCRIPTION

Designed By	TGG
Drawn By	DCV
Checked By	AFY
Approved By	ALK



John G. J. J. J.



BENT PLAN AND ELEVATION

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename	LEH_OP_1-BR-08.dgn
UTA Contract No.	18-2399TP
Drawing	BR-08
Sheet No.	8 OF 31



1. SPIRAL LAP SPLICES ARE NOT PERMITTED IN COLUMNS.
2. NO LAP SPLICES PERMITTED IN VERTICAL COLUMN REINFORCING.

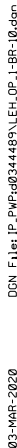
Designed By	TGG
Drawn By	DCV
Checked By	AFY
Approved By	ALK



LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename	
LEH OP 1-BR-09.dgn	
UTA Contract No.	
18-2399TP	
Drawing	Sheet No.
BR-09	9 OF 3

3-MAR-2020 DGN File: P:\PWP\0344489\LEH_OP_1-BR-09.dgn

03-MAR-2020

03-MAR-2020 DCN File: IP: P:\P\p\0344489\LEH.OP.1-BR-11.dgn

REV	DATE	DESCRIPTION

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Drawn By	DCV
Checked By	AFY
Approved By	ALK



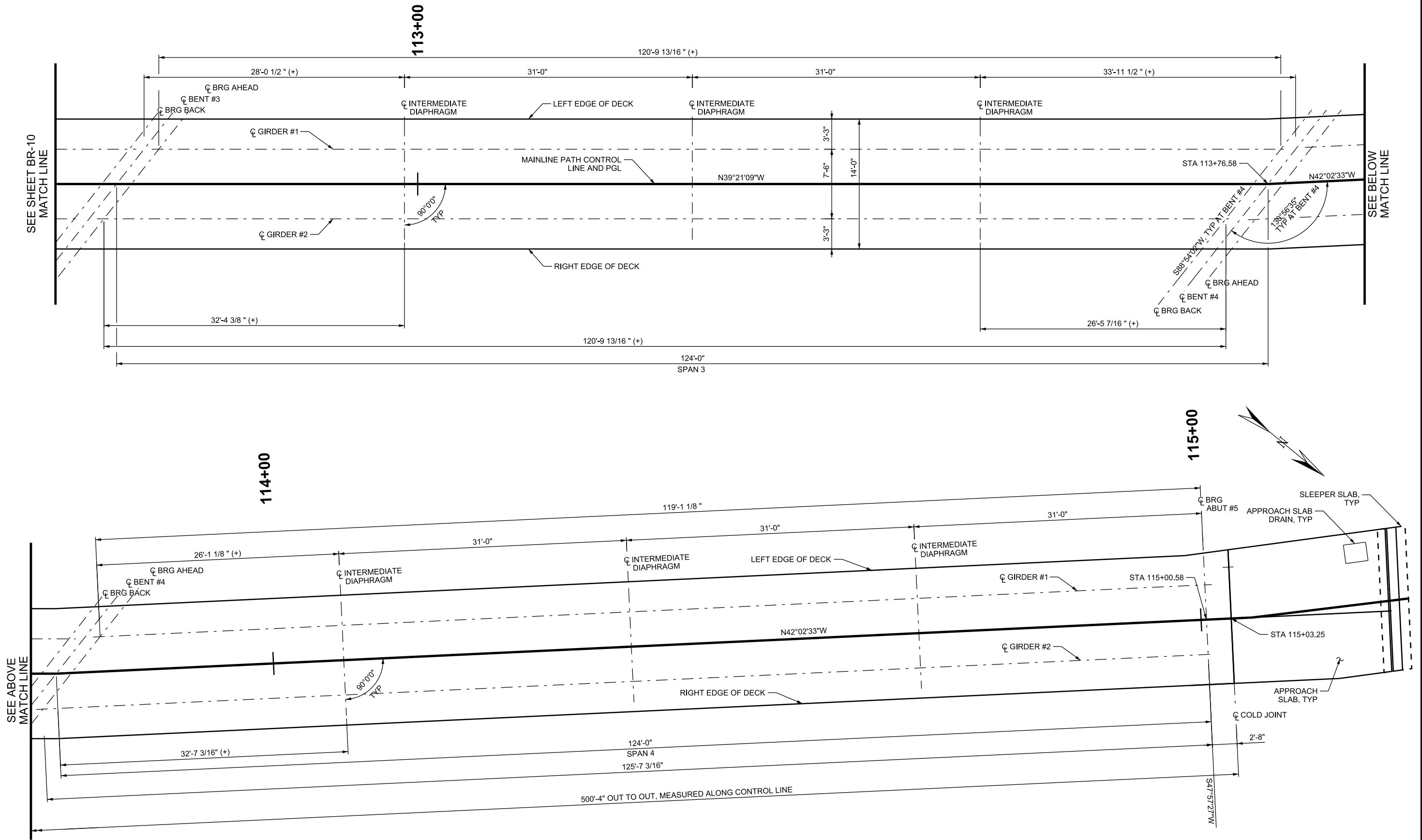
John G. Jutka

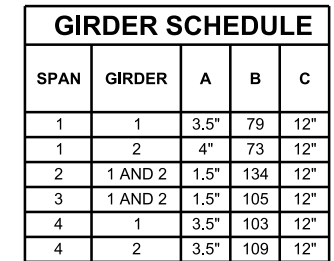
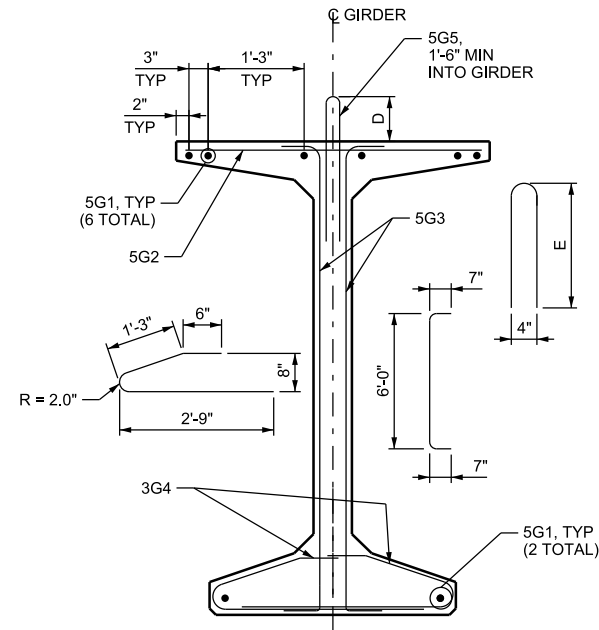


FRAMING PLAN 2 OF 2

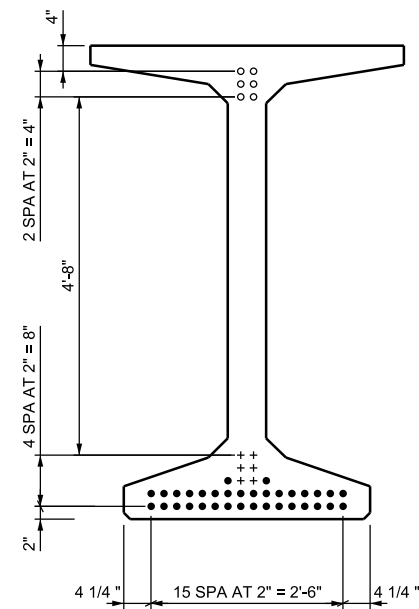
LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename LEH OP 1-BR-11.dgn	
UTA Contract No. 18-2399TP	
Drawing BR-11	Sheet No. 11 OF 31



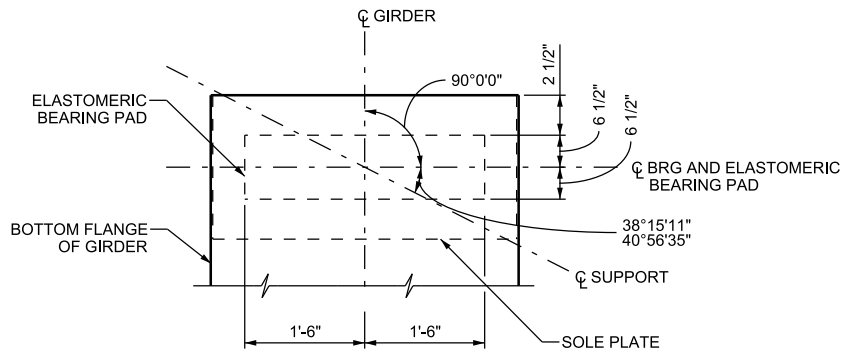


TYPICAL SECTION

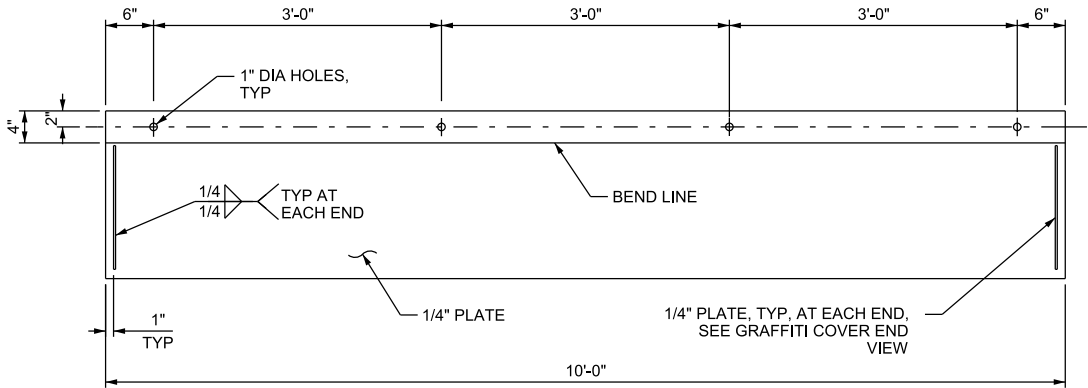


SPAN 4 STRAND PATTERN

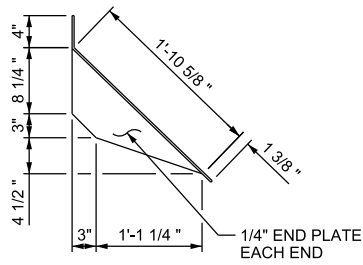
- DENOTES STRAIGHT STRANDS
- DENOTES HARPED STRANDS AT END
- + DENOTES HARPED STRANDS AT MIDSPAN



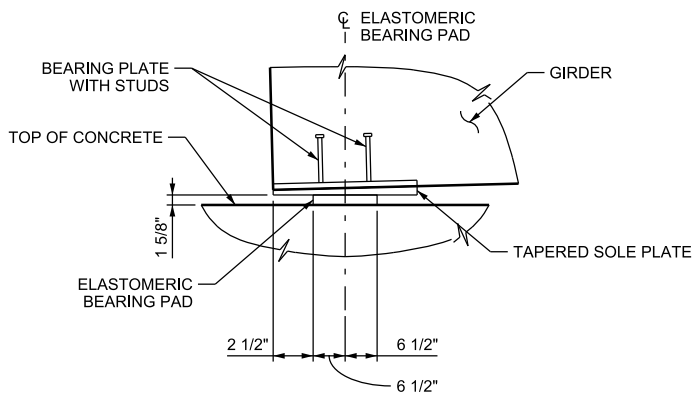
BENT BEARING PLAN



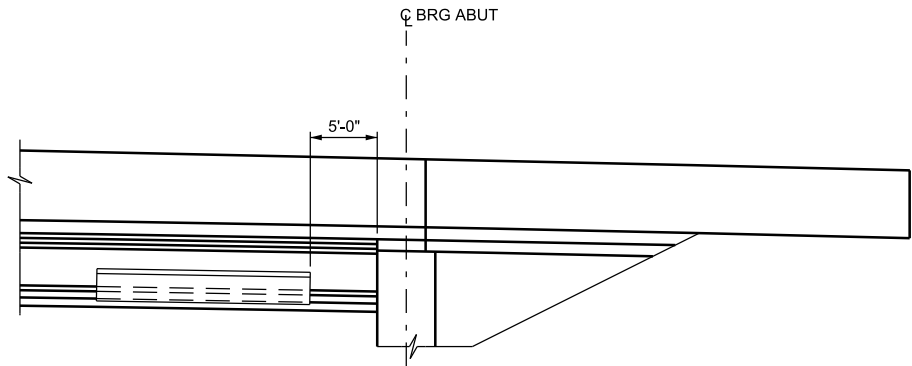
GRAFFITI COVER ELEVATION



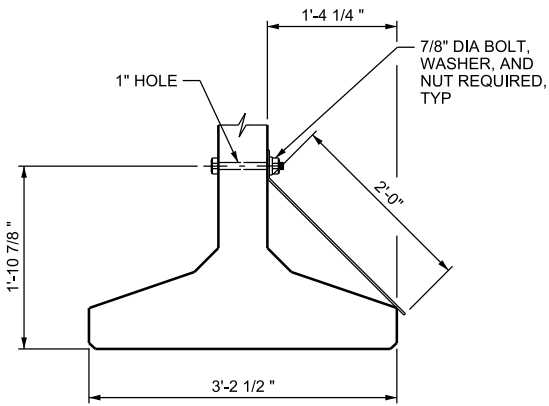
GRAFFITI COVER END VIEW



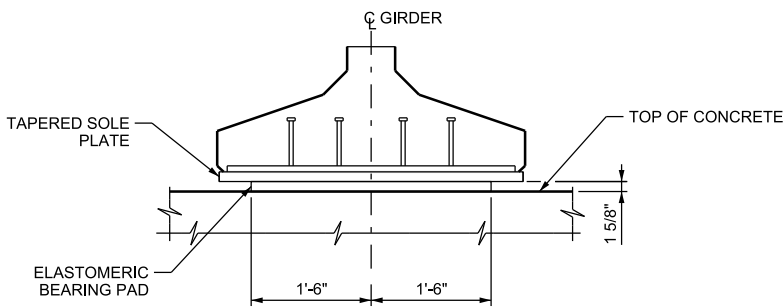
BENT BEARING DETAIL - SIDE VIEW



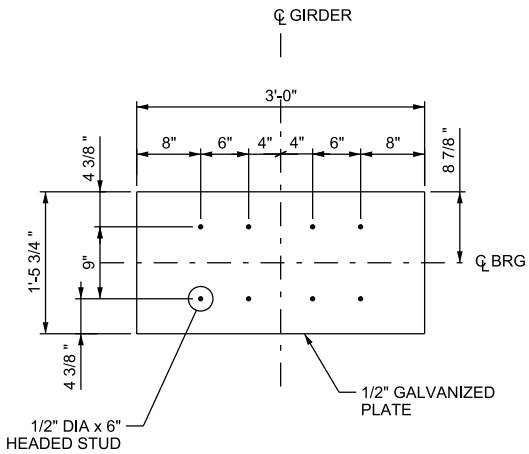
GRAFFITI COVER LOCATION



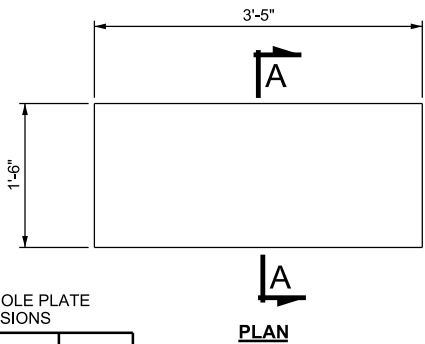
GRAFFITI COVER SECTION



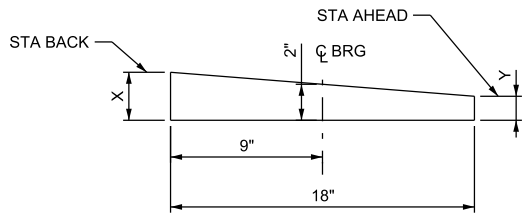
BENT BEARING DETAIL - END VIEW



BEARING PLATE



PLAN



SECTION A-A

TAPERED SOLE PLATE DIMENSIONS

LOCATION	X	Y
S1-G1 BENT #2	1 13/16"	2 3/16"
S1-G2 BENT #2	1 3/4"	2 1/4"
S2-G1 BENT #2	1 7/8"	2 1/8"
S2-G2 BENT #2	1 7/8"	2 1/8"
S2-G1 BENT #3	2"	2"
S2-G2 BENT #3	2"	2"
S3-G1 BENT #3	2"	2"
S3-G2 BENT #3	2"	2"
S3-G1 BENT #4	2 1/8"	1 7/8"
S3-G2 BENT #4	2 1/8"	1 7/8"
S4-G1 BENT #4	2 1/4"	1 3/4"
S4-G2 BENT #4	2 1/4"	1 3/4"

TAPERED SOLE PLATE

NOTES

1. USE AASHTO M 270 GRADE 36 STEEL FOR GRAFFITI COVER. USE 7/8 INCH DIA ASTM A 307 GRADE A BOLTS WITH ASTM A 563 NUTS AND ASTM F 436 WASHERS. GALVANIZE ALL NUTS, BOLTS AND WASHERS ACCORDING TO ASTM A 153 CLASS C. PAINT GRAFFITI COVERS TO MATCH THE COLOR OF THE GIRDERS.
2. USE 60 DUROMETER HARDNESS (SHORE A), GRADE 3 ELASTOMER. MINIMUM AND MAXIMUM SHEAR MODULUS ARE 0.130 KSI AND 0.200 KSI, RESPECTIVELY. BEARING PADS ARE DESIGNED USING METHOD A.
3. USE AASHTO M 270 GRADE 50 STEEL FOR TAPERED SOLE PLATE.

**BENT BEARING PAD AND
GRAFFITI PLATE DETAILS**

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename
LEH_OP_1-BR-14.dgn

UTA Contract No.
18-2399TP

Drawing
BR-14

Sheet No.
14 OF 31

Designed By
KGJ

Drawn By
DCV

Checked By
AFY

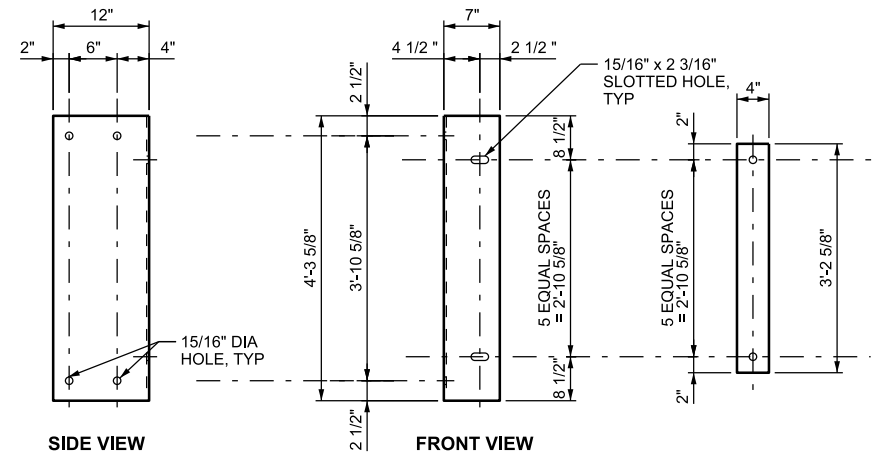
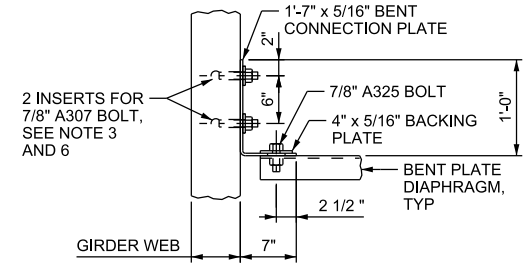
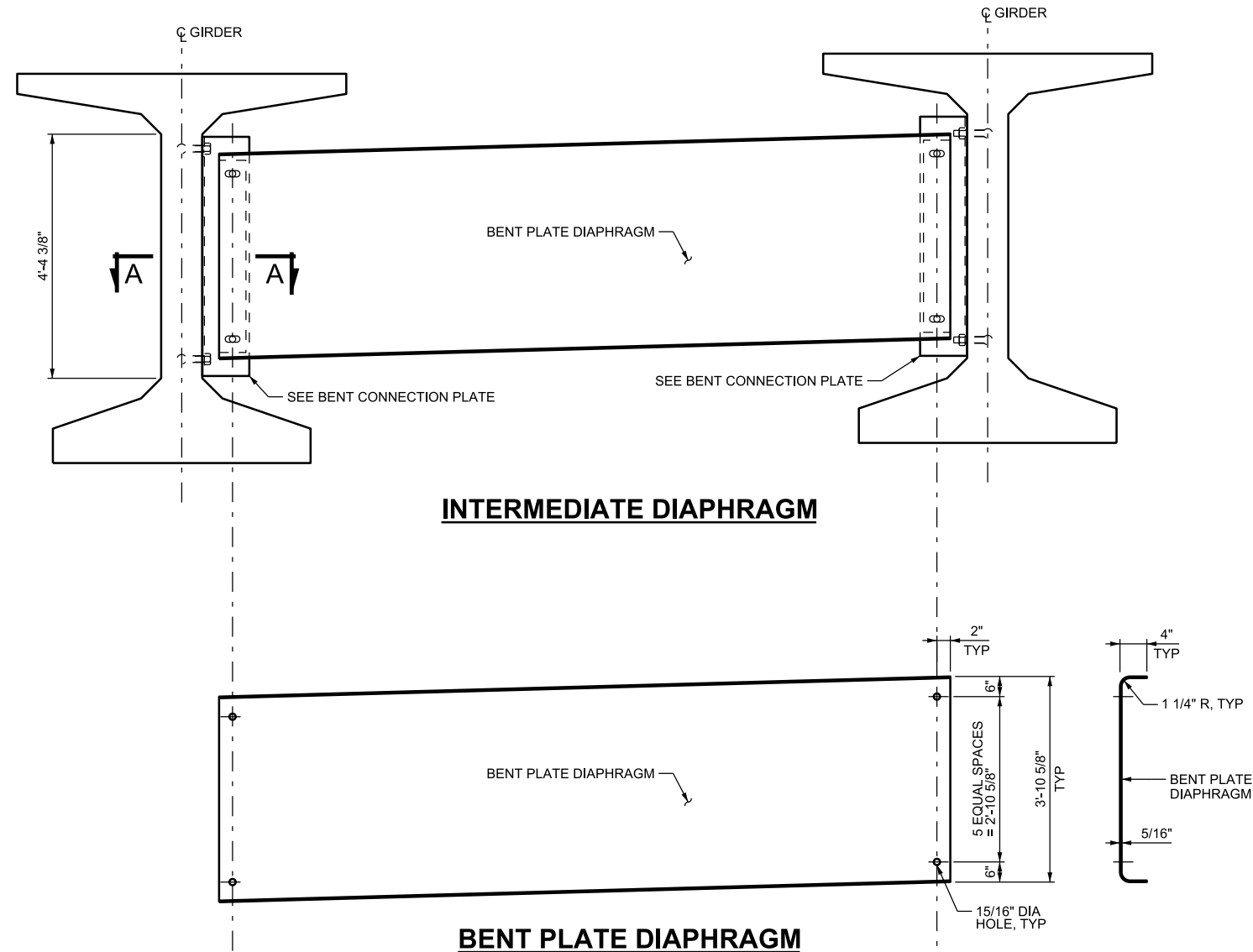
Approved By
ALK

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UTA

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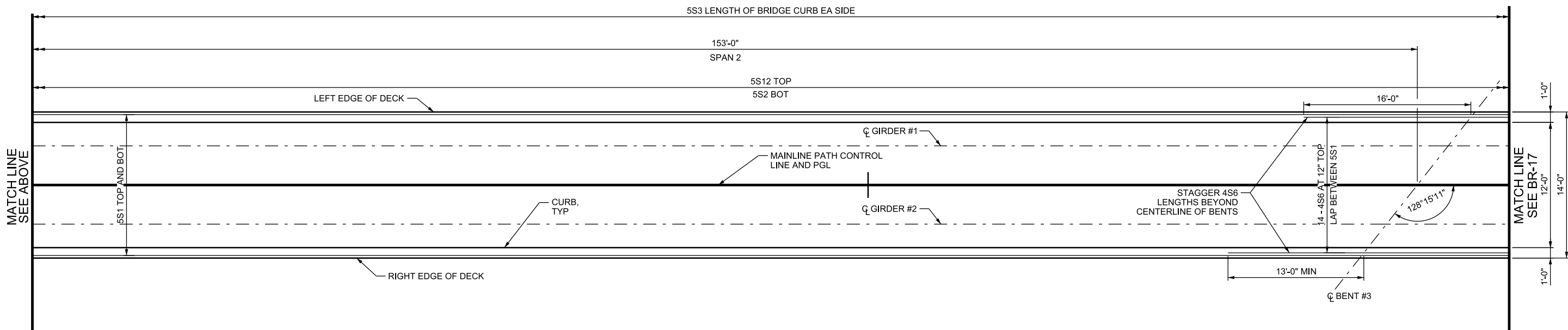
BENT CONNECTION PLATE
BACKING PLATE

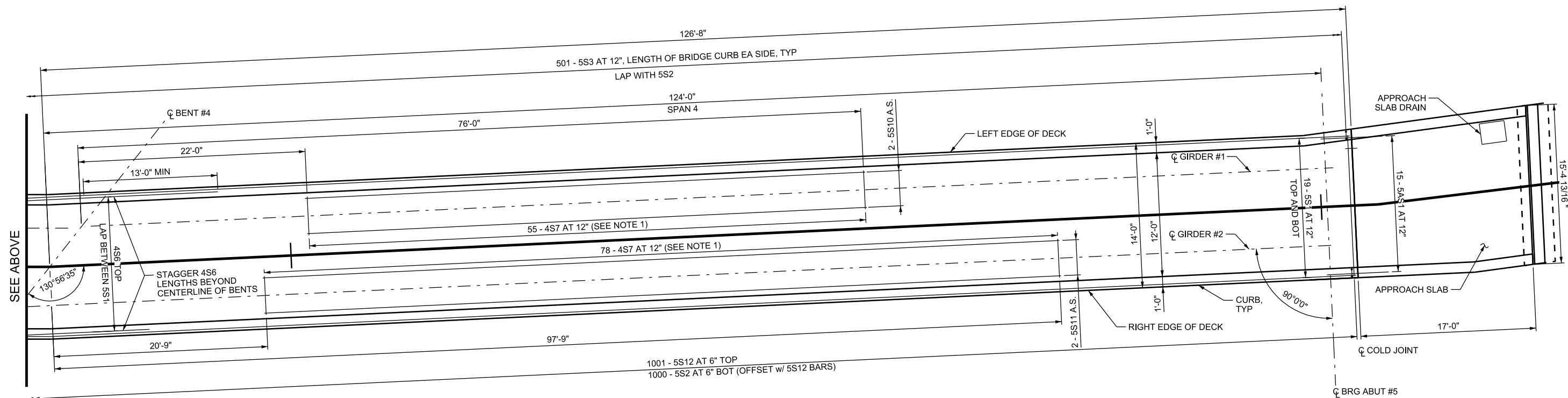
- NOTES**
1. USE AASHTO M270 GRADE 36 STEEL FOR ALL CONNECTION ANGLES AND PLATES. GALVANIZE ALL CONNECTION ANGLES AND PLATES IN ACCORDANCE WITH AASHTO M111.
 2. USE 7/8 INCH DIAMETER ASTM F3125, GRADE A325, TYPE 1, NUTS AND BOLTS AND ASTM F959 WASHERS FOR STEEL ONLY CONNECTIONS. GALVANIZE ALL NUTS, BOLTS AND WASHERS IN ACCORDANCE WITH ASTM A153, CLASS C. BOLTS ARE SLIP CRITICAL. PROVIDE A CLASS C SURFACE CONDITION.
 3. USE 7/8 INCH DIAMETER ASTM A307, GRADE A, NUTS, BOLTS AND WASHERS FOR STEEL AND CONCRETE CONNECTIONS. GALVANIZE ALL NUTS, BOLTS AND WASHERS IN ACCORDANCE WITH ASTM A153, CLASS C.
 4. USE ASTM F436 WASHERS FOR ALL CONCRETE TO STEEL CONNECTIONS. GALVANIZE ALL WASHERS IN ACCORDANCE WITH ASTM A153, CLASS C.
 5. USE THREADED INSERTS FOR DIAPHRAGM CONNECTIONS TO EXTERIOR GIRDERS. PLACE INSERTS PERPENDICULAR TO WEB. PROVIDE INSERTS WITH A MINIMUM ULTIMATE TENSILE CAPACITY OF 11.0 KIPS.
 6. ADJUST LOCATION OF INSERTS AND HOLES IN WEB TO AVOID INTERFERENCE WITH PRESTRESSING STRAND. COORDINATE CHANGES WITH BENT CONNECTION PLATE SUPPLIER.
 7. FIELD DRILLING OF BENT CONNECTION PLATE IS PERMITTED. FIELD WELDS ARE NOT PERMITTED.
 8. INCLUDE GIRDER DIAPHRAGMS IN COST OF GIRDER.

ITEM	EST QTY	UNIT	EST WEIGHT (LB)
SPAN 1 DIAPHRAGM (SEE NOTE 8)	2	EACH	1210
SPAN 2 DIAPHRAGM (SEE NOTE 8)	3	EACH	1815
SPAN 3 DIAPHRAGM (SEE NOTE 8)	3	EACH	1815
SPAN 4 DIAPHRAGM (SEE NOTE 8)	3	EACH	1815

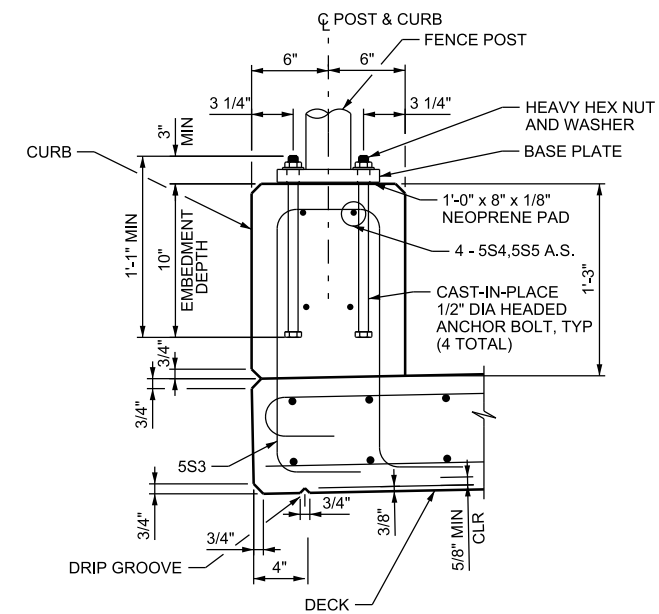
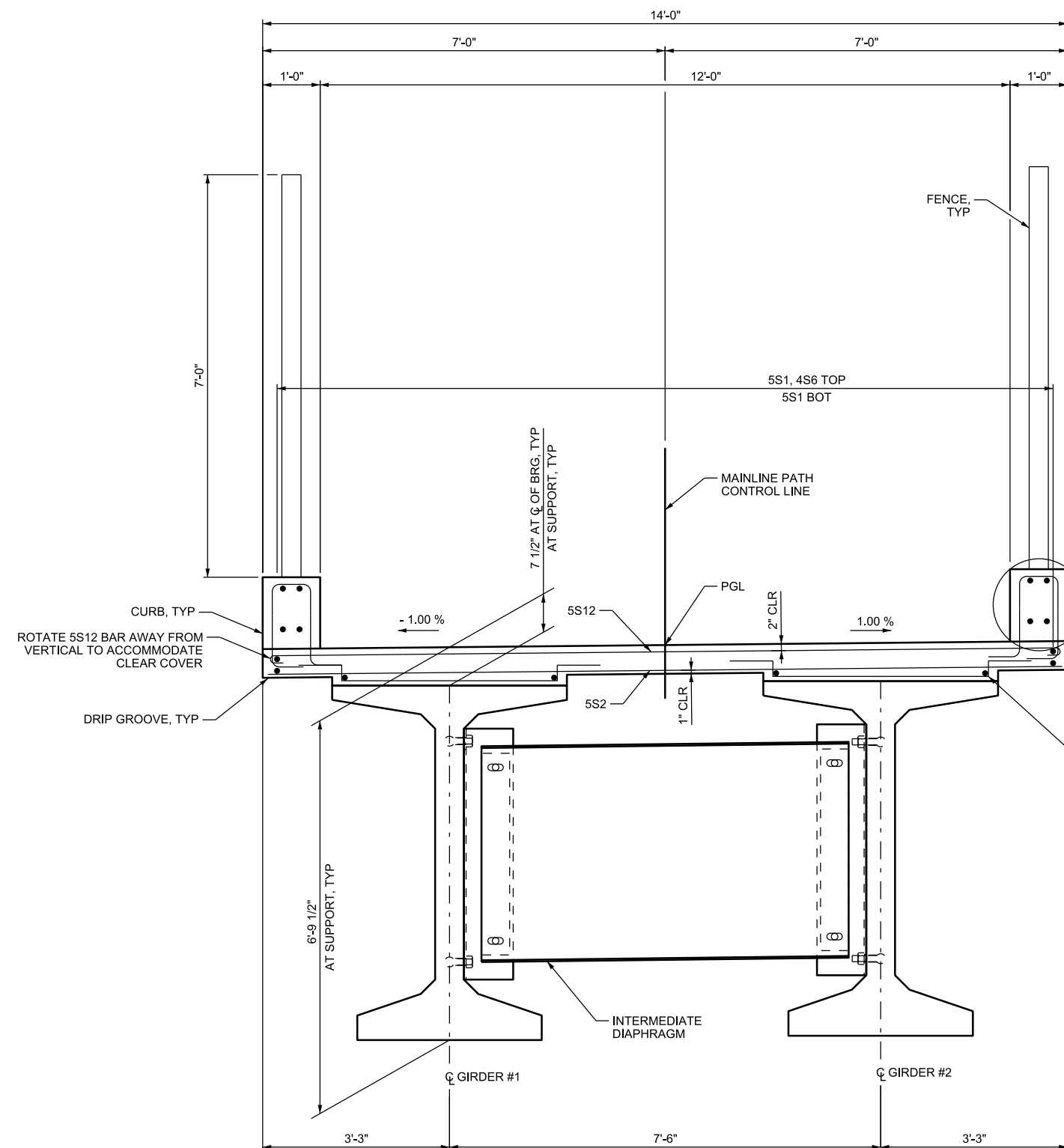
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REV	DATE	DESCRIPTION	Designed By KGJ	 		INTERMEDIATE DIAPHRAGM DETAILS LEHI CITY LEH_OP_1 PED OVERPASS STRUCTURE - UDOT STR NO. F-923 SR-92 & DIGITAL DRIVE		CADD Filename LEH_OP_1-BR-15.dgn	
			Drawn By DCV					UTA Contract No. 18-2399TP	
			Checked By AFY					Drawing	Sheet No.
			Approved By ALK					BR-15	15 OF 31



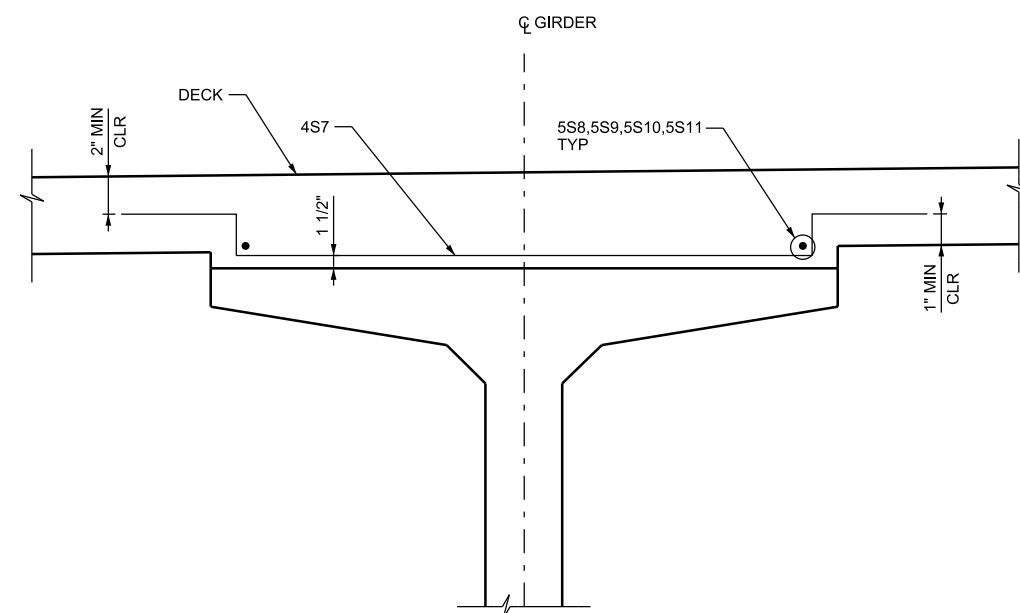


1. REFER TO "DECK SECTION" FOR HAUNCH REINFORCEMENT DETAIL.



DRIP GROOVE AND CURB DETAIL

CAST-IN-PLACE ANCHORAGE SHOWN
SEE "FENCING DETAILS" FOR OPTIONS



HAUNCH REINFORCEMENT DETAIL

DECK REINFORCEMENT NOT SHOWN FOR CLARITY

NOTES:

1. ROTATE 4S7 BARS AWAY FROM VERTICAL TO ACCOMMODATE TOP OF DECK CLEAR COVER.

DECK SECTION

				Designed By
				KGJ
				Drawn By
				DCV
				Checked By
				AFY
				Approved By
				ALK
REV	DATE	DESCRIPTION		



Ch. L. Jones



DECK SECTION

LEHI CITY
LEH OP 1

PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

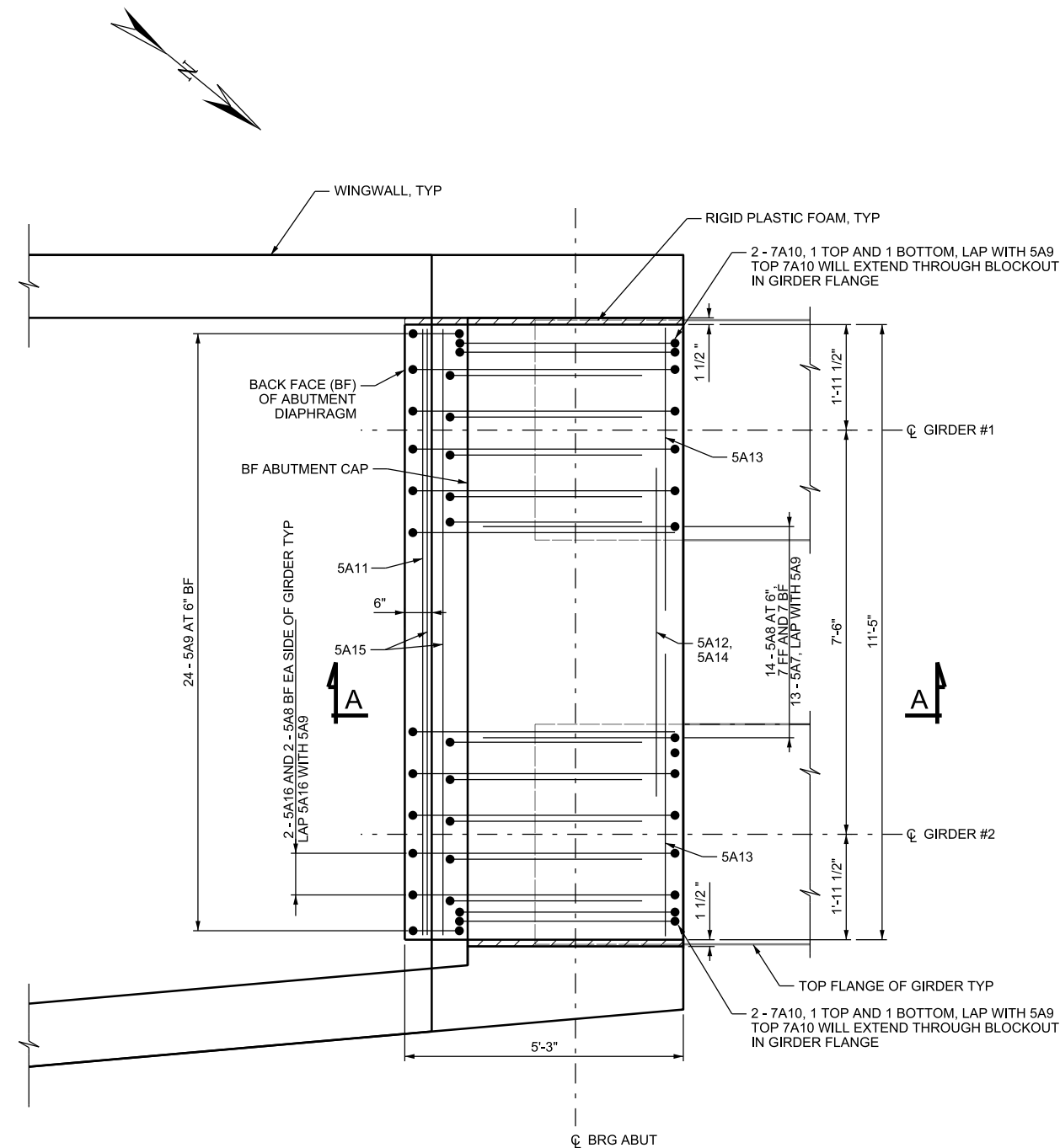
SR-92 & DIGITAL DRIVE

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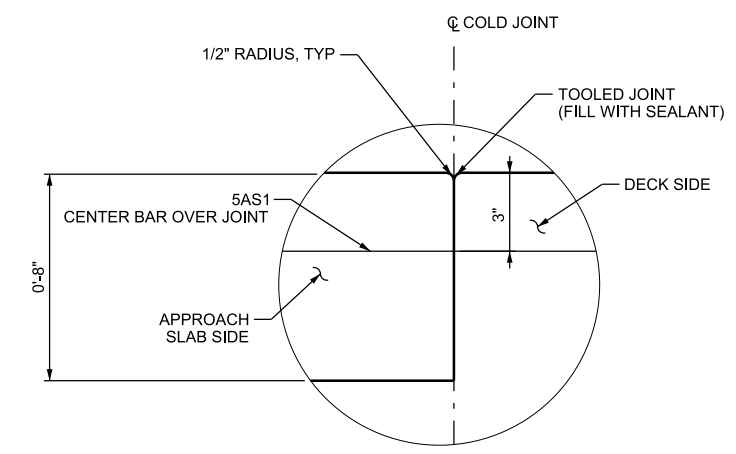
UTA Contract No.
18-2399TP

Drawing	Sheet No.
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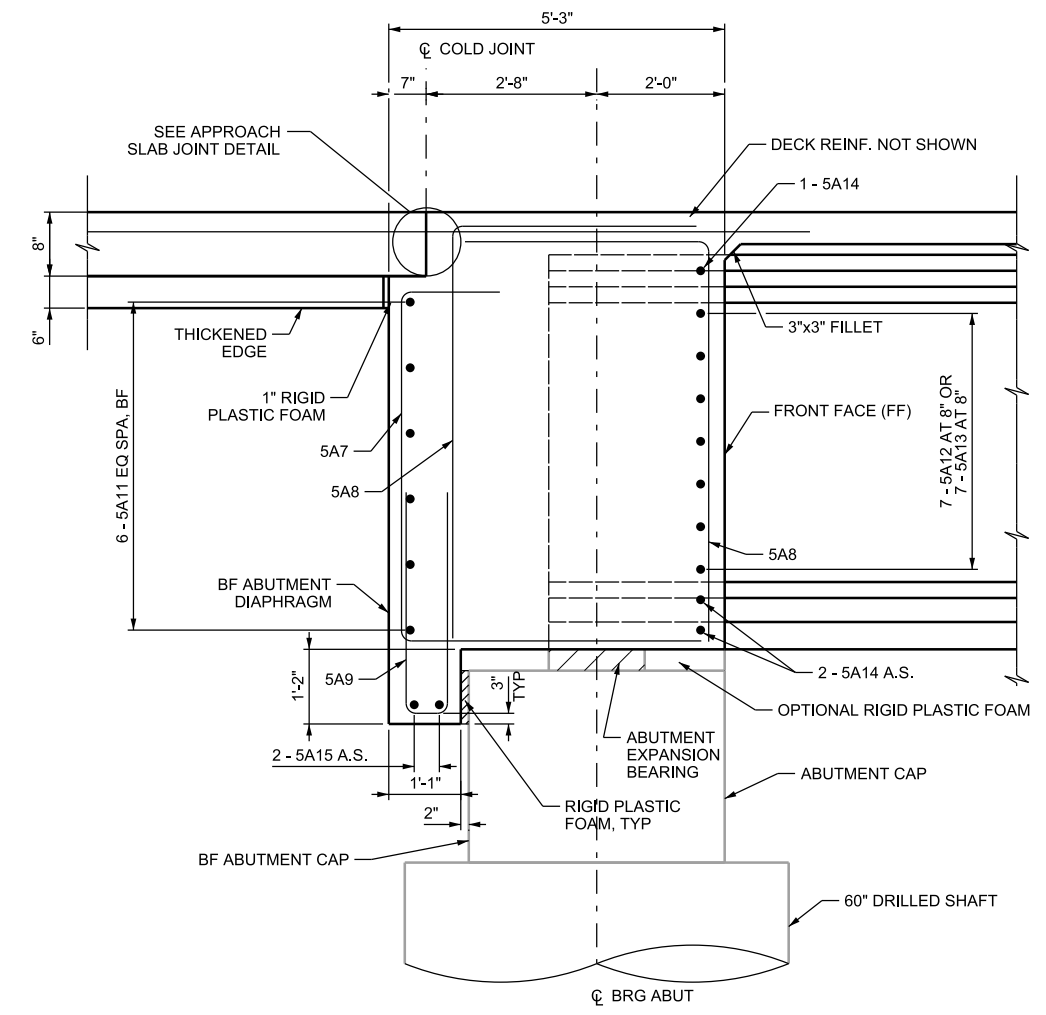
BR-18	18 OF 31
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PLAN
ABUT #1 SHOWN, ABUT #5 SIMILAR



APPROACH SLAB JOINT DETAIL



SECTION A-A

03-MAR-2020 DCN File: IP: P:\P\p\0344489\LEH.OP.1-BR-19.dgn

REV	DATE	DESCRIPTION

Designed By	TGG
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ABUTMENT DIAPHRAGM DETAILS

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename LEH OP 1-BR-19.dgn	
UTA Contract No. 18-2399TP	
Drawing BR-19	Sheet No. 19 OF 31



ELASTOMERIC BEARING

1. USE AASHTO M 270 GRADE 50 STRUCTURAL STEEL FOR SOLE PLATES AND TOP PLATES.
2. HOT BOND TOP PLATE TO THE ELASTOMERIC BEARING DURING VULCANIZATION.
3. USE 60 DUROMETER HARDNESS (SHORE A), GRADE 3 FOR ELASTOMER WITH SHEAR MODULUS BETWEEN 0.080 AND 0.175 KSI.
4. STEEL REINFORCED ELASTOMERIC BEARING DESIGNED USING METHOD B.
5. SEE 'UBT74 GIRDER DETAILS 2 OF 2' FOR BEARING PLATE DETAILS.

BEARING LOAD TABLE								
				TEMPERATURE MOVEMENT $\gamma = 1.00$		SEISMIC MOVEMENT $\gamma = 1.00$		NUMBER OF BEARINGS
LOCATION	DC $\gamma = 1.00$	DW $\gamma = 1.00$	LL WITHOUT IMPACT $\gamma = 1.00$	LATERAL	LONGITUDINAL	LATERAL	LONGITUDINAL	
	KIPS	KIPS	KIPS	INCH	INCH	INCH	INCH	
ABUT #1	81.3	NA	46.9	NA	1.45	1.50	2.00	2
ABUT #5	113.7	NA	59.7	NA	1.40	1.50	2.00	2

REV	DATE	DESCRIPTION

Designed By	TGG
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Checked By	AFY
Approved By	ALK



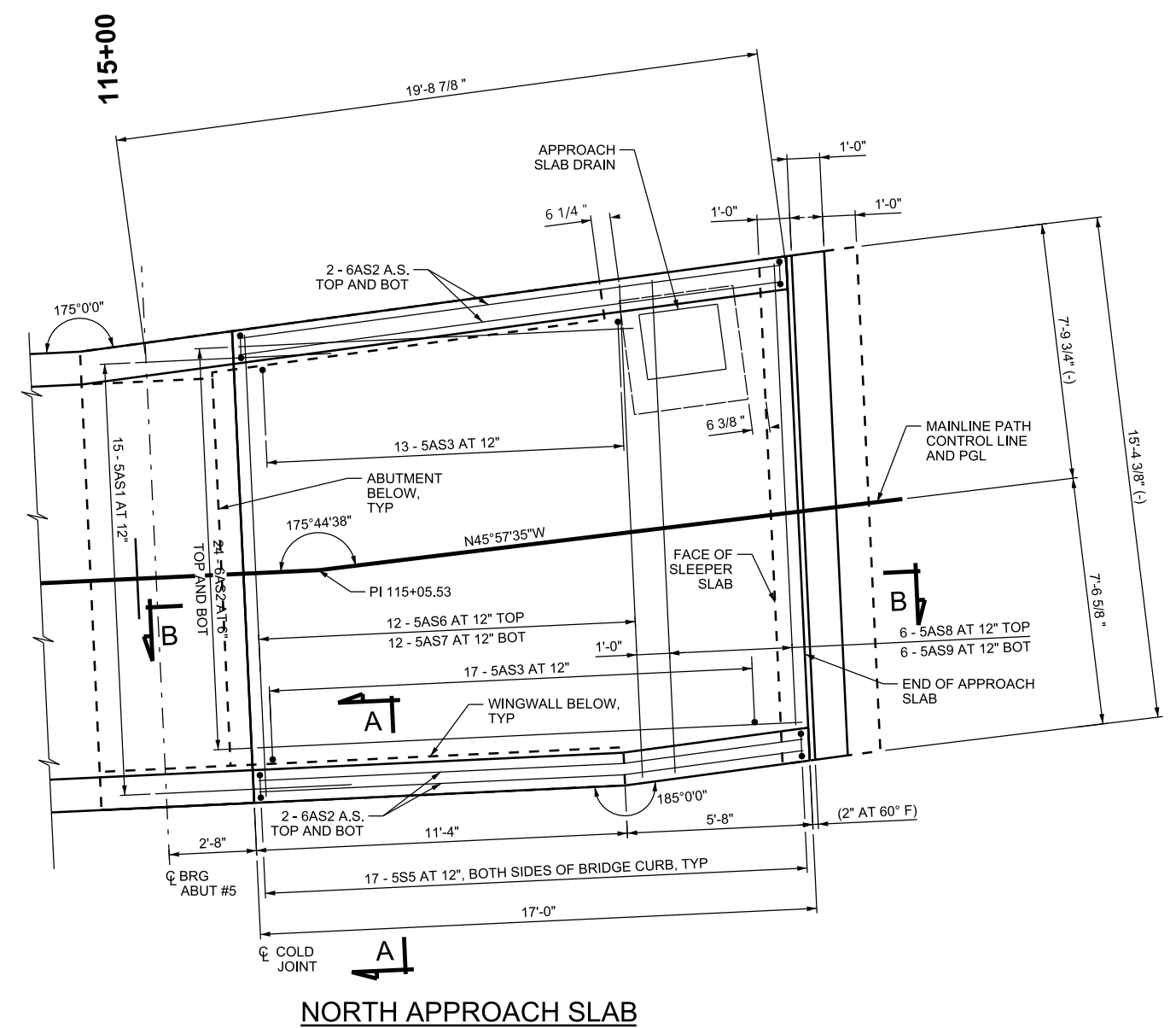
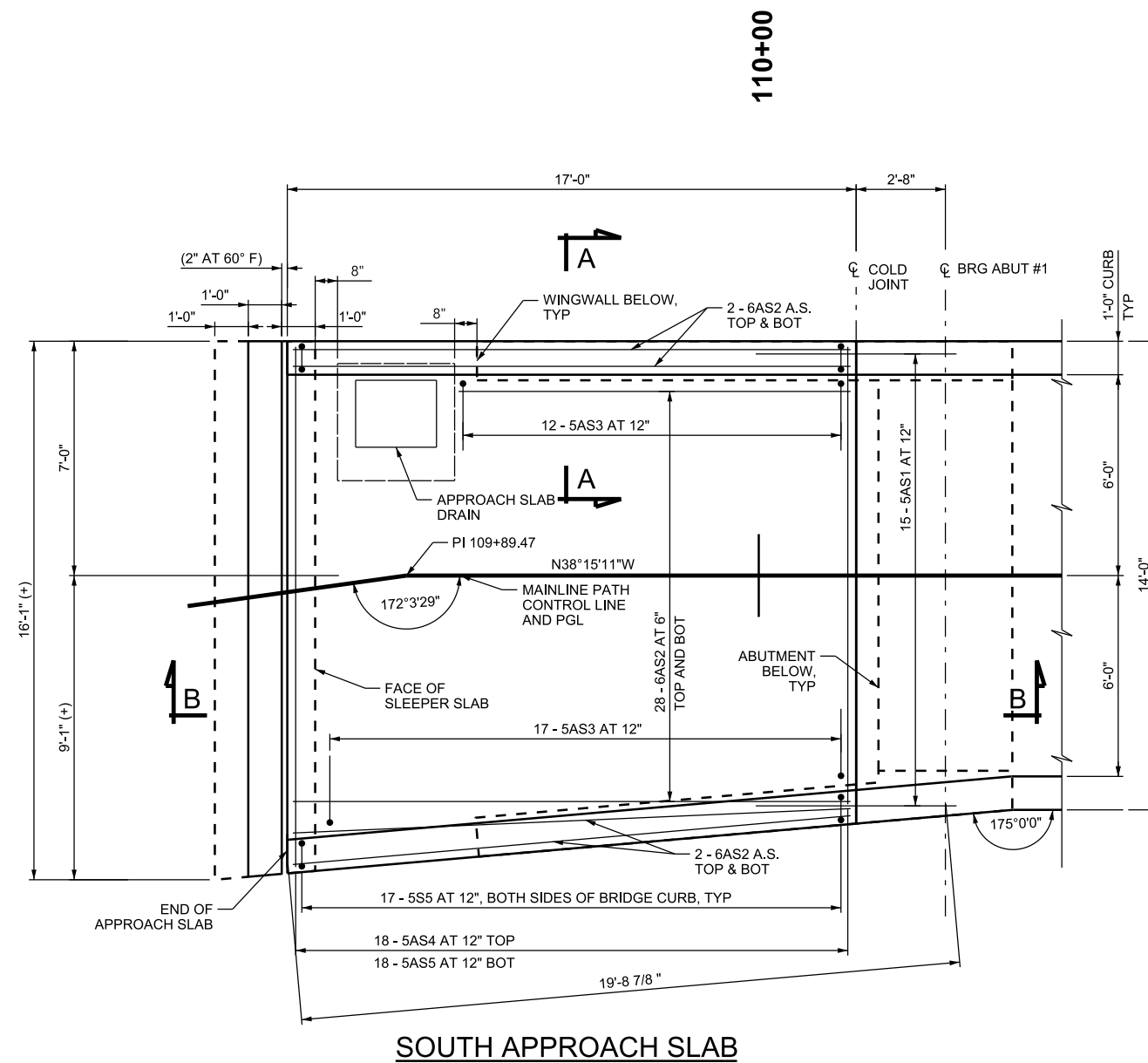
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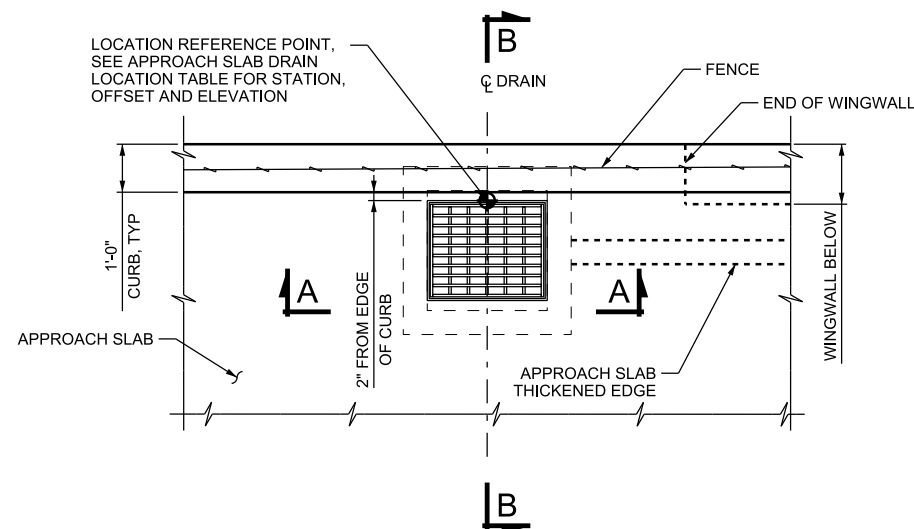
ABUTMENT EXPANSION BEARINGS

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

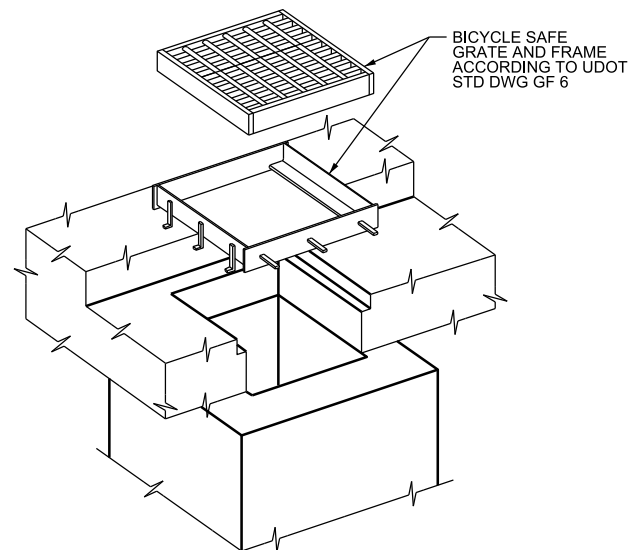
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18-2399TP	
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BR-20	20 OF 31



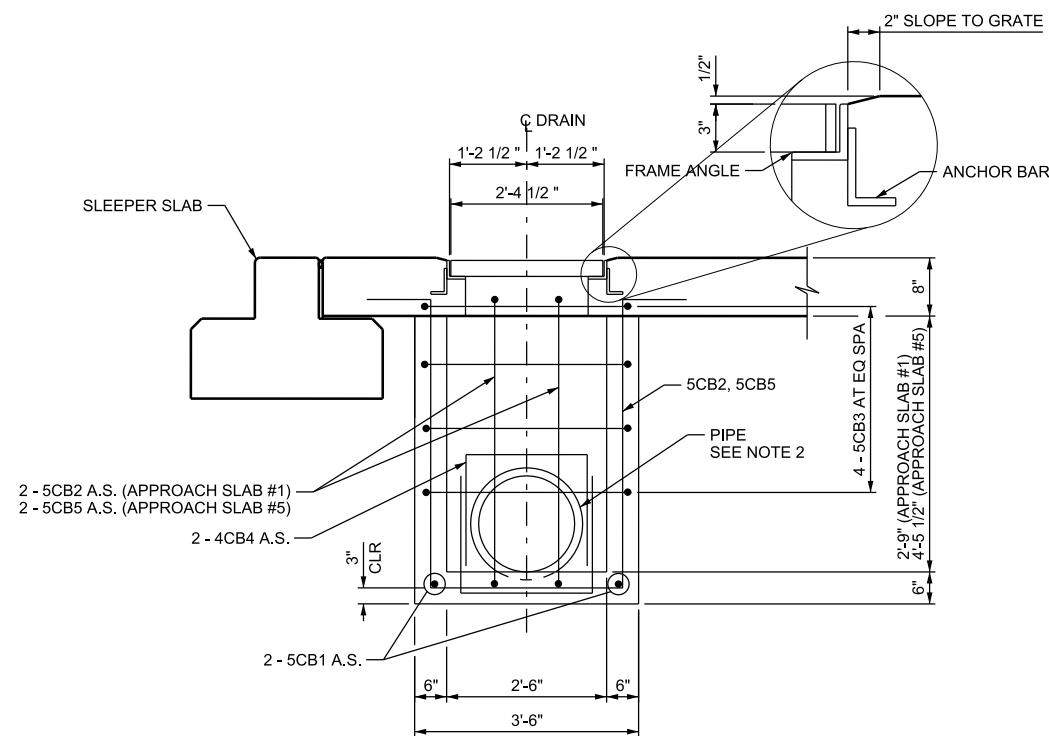
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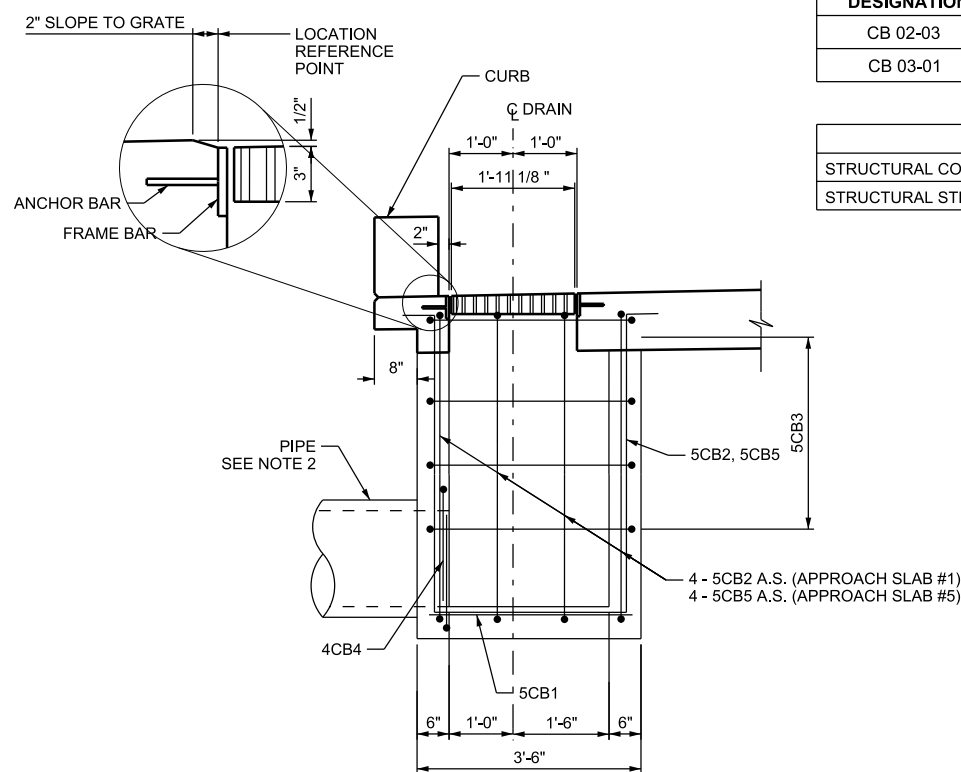
TYPICAL PLAN



ISOMETRIC



SECTION A-A
CURB NOT SHOWN



SECTION B-B

APPROACH SLAB DRAIN LOCATION TABLE				
DRAINAGE PLANS DESIGNATION	STATION	OFFSET (FEET)	TOP OF GRATE ELEVATION (FEET)	BOX INVERT ELEVATION (FEET)
CB 02-03	109+89.47	5.84 LT	4726.26	4722.47
CB 03-01	115+17.40	6.57 LT	4723.89	4718.38

ITEM	LOCATION	EST QTY	UNIT
STRUCTURAL CONCRETE CLASS AA (AE)	APPROACH SLAB DRAIN	2.2	CU YD
STRUCTURAL STEEL	APPROACH SLAB DRAIN	358	LB

NOTES

1. FIELD CUT OR BEND REINFORCING STEEL TO CLEAR APPROACH SLAB DRAINS OR PIPE INLETS.
2. SEE DRAINAGE PLANS AND PROFILES FOR PIPE SIZES AND ADDITIONAL INFORMATION.
3. SEE "APPROACH SLAB PLAN" FOR APPROACH SLAB DRAIN LOCATIONS.

03-MAR-2020 DCN File: IP: P:\P\p\0344489\LEH.OP.1-BR-23.dgn

REV	DATE	DESCRIPTION

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Checked By	AFY
Approved By	ALK



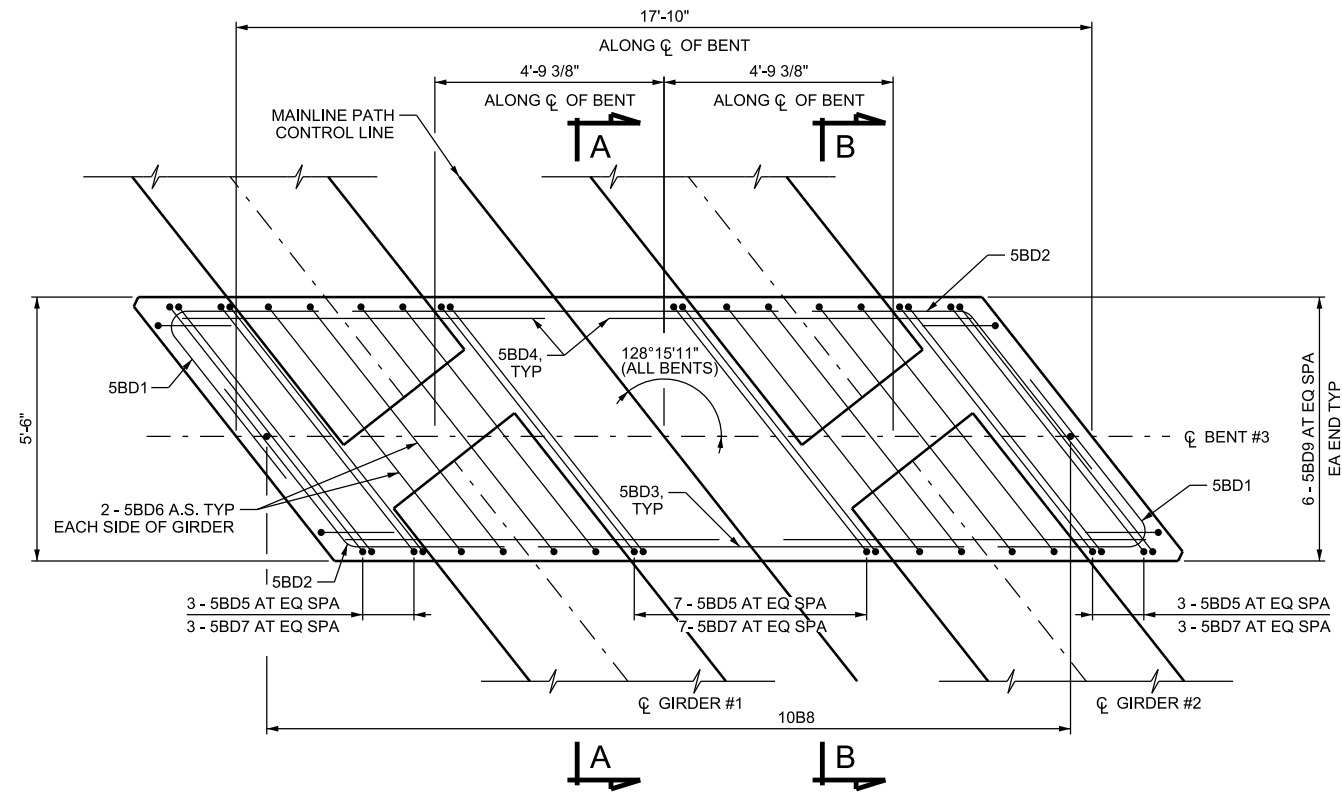
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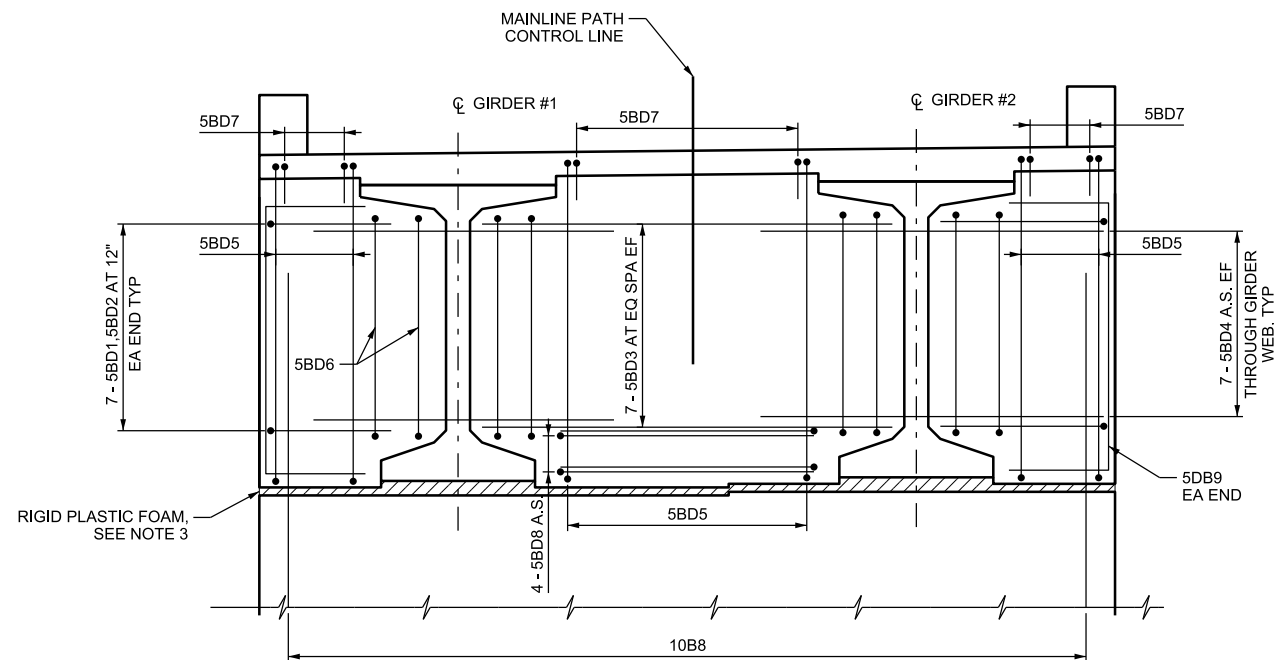
APPROACH SLAB DRAIN DETAILS

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename LEH_OP_1-BR-23.dgn	
UTA Contract No. 18-2399TP	
Drawing BR-23	Sheet No. 23 OF 31



PLAN
PARAPET AND DECK NOT SHOWN FOR CLARITY
BENT #3 SHOWN, BENT #2 AND #4 SIMILAR



ELEVATION
BENT #3 SHOWN, BENT #2 AND #4 SIMILAR

NOTES:

1. SEE "BENT DIAPHRAGM DETAILS 2 OF 2" FOR SECTIONS A-A AND B-B.
2. STEEL REINFORCING IN DECK AND PARAPET NOT SHOWN FOR CLARITY.
3. PLACE RIGID PLASTIC FOAM BETWEEN BENT CAP AND BENT DIAPHRAGM. SEE "BENT DIAPHRAGM DETAILS 2 OF 2" FOR EXTENT.

QUANTITIES			
ITEM	LOCATION	EST QTY	UNIT
STRUCTURAL CONCRETE	BENT #2 DIAPHRAGM	21.3	CU YD
STRUCTURAL CONCRETE	BENT #3 DIAPHRAGM	21.3	CU YD
STRUCTURAL CONCRETE	BENT #4 DIAPHRAGM	21.3	CU YD

BENT DIAPHRAGM DETAILS 1 OF 2

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename
LEH OP 1-BR-24.dgn

UTA Contract No.
18-2399TP

Drawing
BR-24

Sheet No.
24 OF 31

03-MAR-2020 DCN File: IP: P:\P\ad0344489\LEH_OP_1-BR-24.dgn

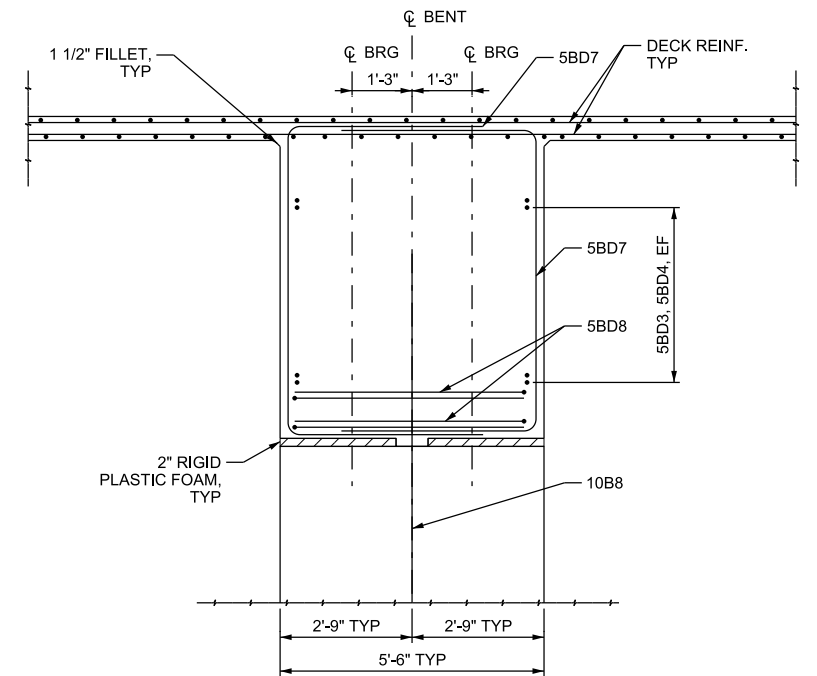
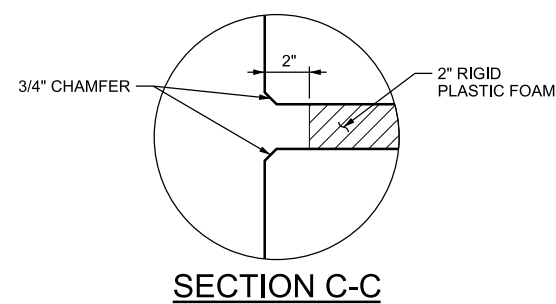
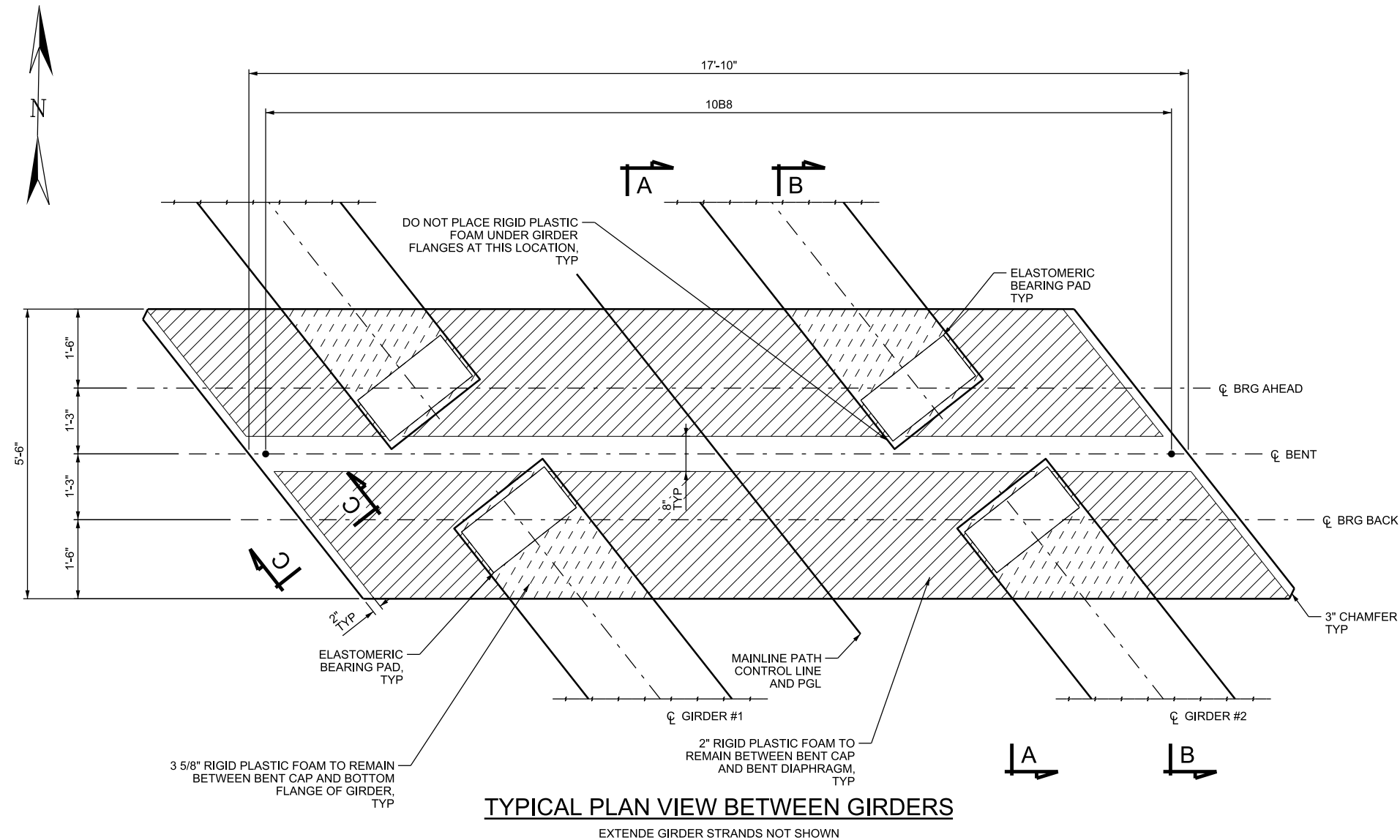
REV	DATE	DESCRIPTION

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Drawn By DCV
Checked By AFY
Approved By ALK

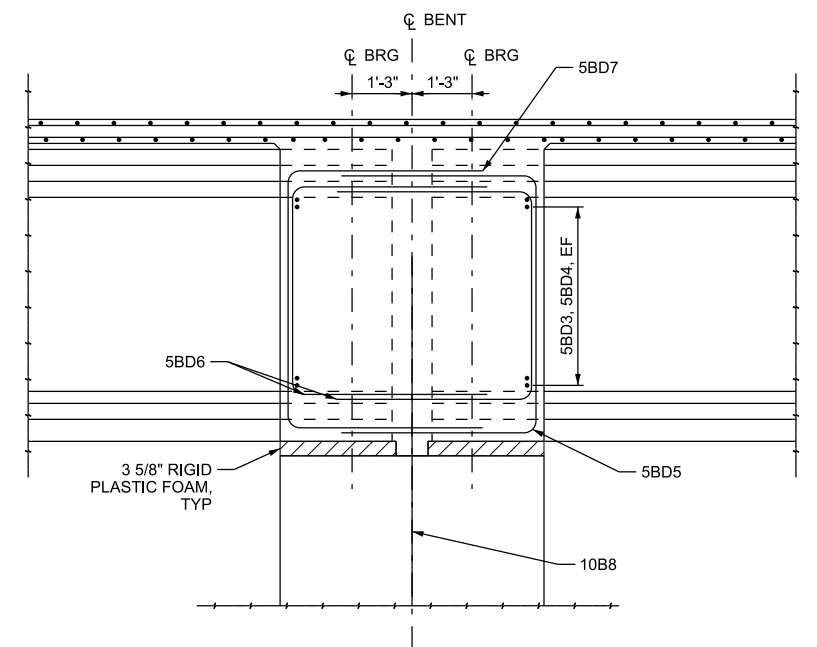
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SECTION A-A
BETWEEN GIRDERS



SECTION B-B
AT GIRDERS

NOTES

- SEE "BENT DIAPHRAGM DETAILS 1 OF 2" FOR LOCATION OF SECTIONS A-A AND B-B.

03-MAR-2020 DCN File: IP: P:\P\p\0344489\LEH.OP.1-BR-25.dgn

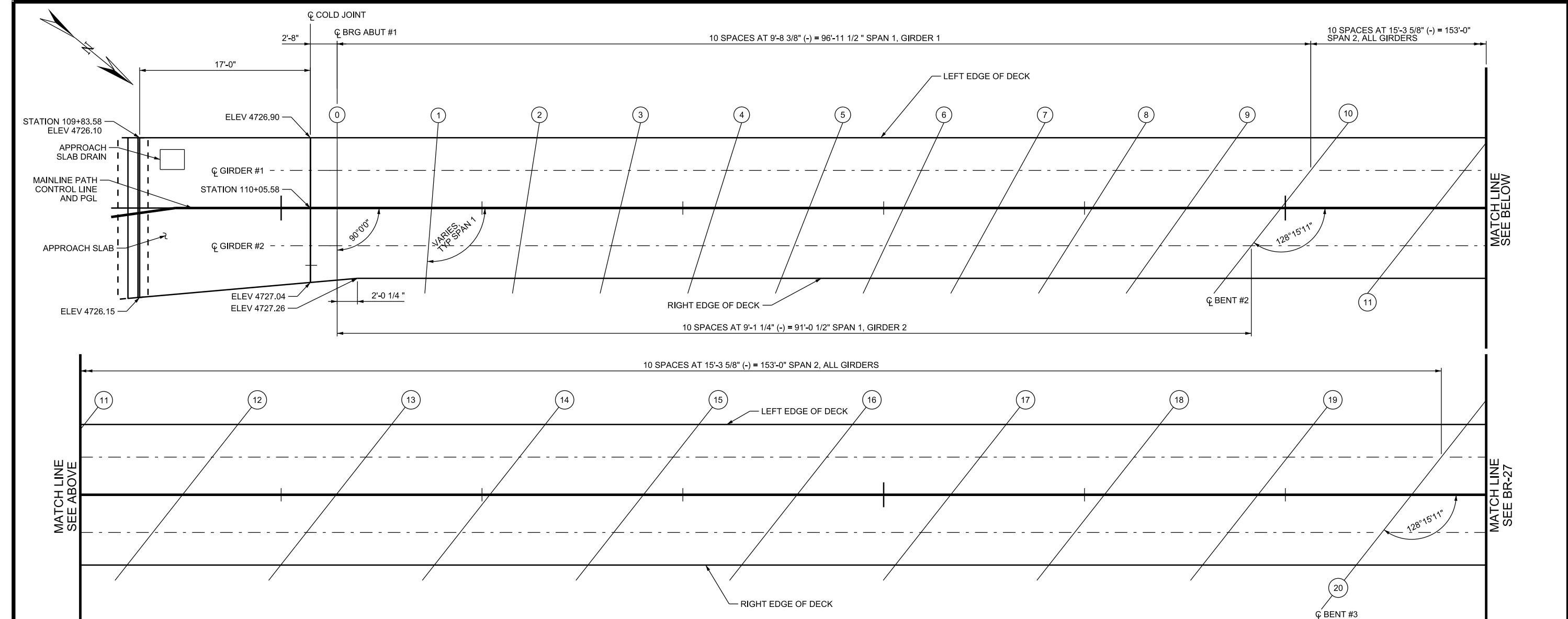
REV	DATE	DESCRIPTION	Designed By
			TGG
			Drawn By
			DCV
			Checked By
			AFY
			Approved By
			ALK



BENT DIAPHRAGM DETAILS 2 OF 2

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename LEH OP 1-BR-25.dgn	
UTA Contract No. 18-2399TP	
Drawing BR-25	Sheet No. 25 OF 31



SCREED ELEVATIONS TABLE													
SPAN #1													
		0	1	2	3	4	5	6	7	8	9	10	UNITS
LEFT EOD	ELEV	4727.03	4727.48	4727.89	4728.26	4728.60	4728.90	4729.16	4729.39	4729.58	4729.73	4729.84	FT
GIRDER #1	ELEV	4727.06	4727.50	4727.90	4728.27	4728.60	4728.90	4729.16	4729.38	4729.57	4729.73	4729.85	FT
	DL Δ	0.00	0.02	0.03	0.04	0.05	0.05	0.05	0.04	0.03	0.02	0.00	FT
GIRDER #2	ELEV	4727.14	4727.55	4727.93	4728.28	4728.60	4728.88	4729.14	4729.37	4729.56	4729.72	4729.85	FT
	DL Δ	0.00	0.01	0.02	0.03	0.04	0.04	0.04	0.03	0.02	0.01	0.00	FT
RIGHT EOD	ELEV	4727.17	4727.57	4727.94	4728.28	4728.60	4728.88	4729.13	4729.36	4729.55	4729.72	4729.85	FT

SCREED ELEVATIONS TABLE													
SPAN #2													
		10	11	12	13	14	15	16	17	18	19	20	UNITS
LEFT EOD	ELEV	4729.84	4729.95	4730.02	4730.10	4730.18	4730.25	4730.33	4730.41	4730.48	4730.56	4730.57	FT
GIRDER #1	ELEV	4729.85	4729.97	4730.04	4730.12	4730.20	4730.27	4730.35	4730.43	4730.50	4730.58	4730.62	FT
	DL Δ	0.00	0.10	0.20	0.27	0.32	0.34	0.32	0.27	0.20	0.10	0.00	FT
GIRDER #2	ELEV	4729.85	4730.01	4730.09	4730.16	4730.24	4730.32	4730.39	4730.47	4730.55	4730.63	4730.70	FT
	DL Δ	0.00	0.10	0.20	0.27	0.32	0.34	0.32	0.27	0.20	0.10	0.00	FT
RIGHT EOD	ELEV	4729.85	4730.02	4730.11	4730.18	4730.26	4730.34	4730.41	4730.49	4730.57	4730.65	4730.72	FT

- NOTES:**
1. FINAL TOP OF CONCRETE DECK ELEVATIONS ARE SHOWN. ADD DEAD LOAD DEFLECTIONS TO THE TOP OF CONCRETE DECK ELEVATIONS TO OBTAIN SCREED ELEVATIONS.
 2. ALL ELEVATIONS AND DEAD LOAD DEFLECTION VALUES ARE SHOWN IN FEET.
 3. SCREED ELEVATIONS ARE PROVIDED AT INTERSECTION OF CENTERLINE OF GIRDER AND SCREED LINE.

03-MAR-2020 DCN File: IP: P:\P\p\0344489\LEH_OP_1-BR-26.dgn

REV	DATE	DESCRIPTION

Designed By	KGJ
Drawn By	DCV
Checked By	AFY
Approved By	ALK



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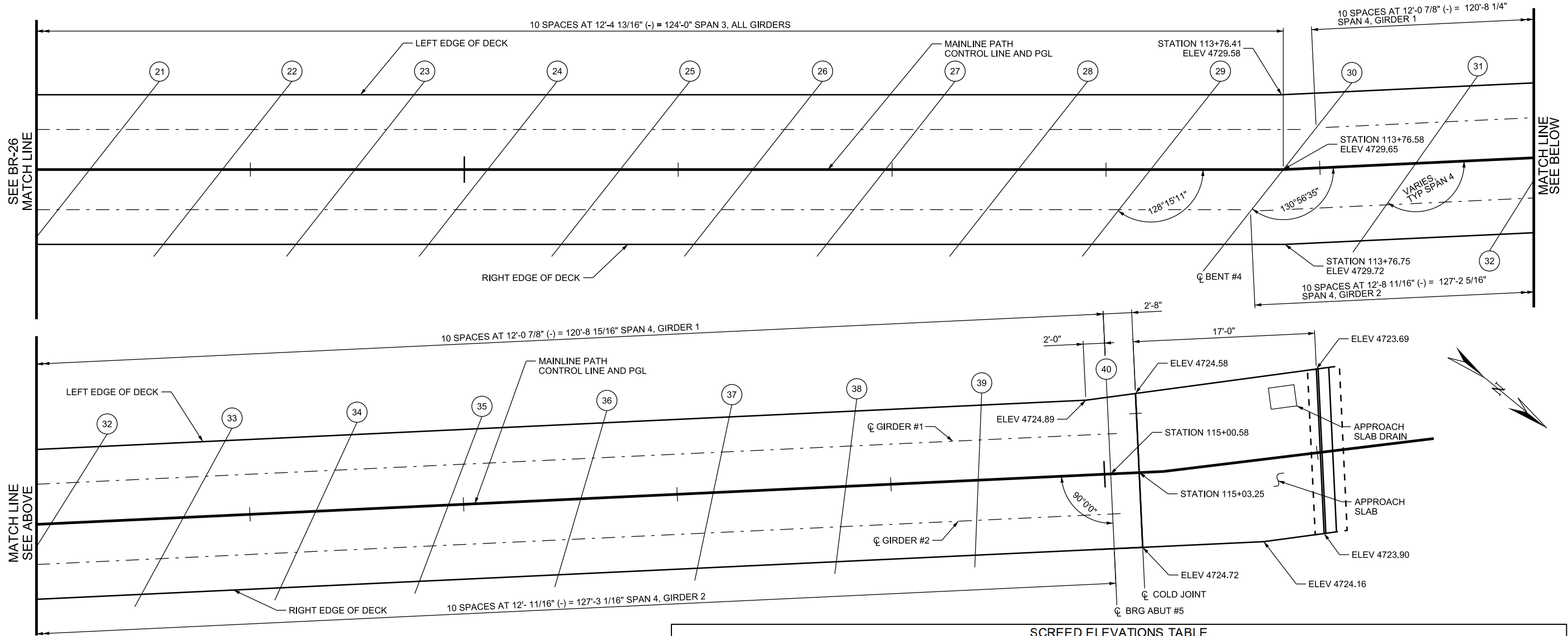


SCREED ELEVATIONS 1 OF 2

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename LEH OP 1-BR-26.dgn	
UTA Contract No. 18-2399TP	
Drawing BR-26	Sheet No. 26 OF 31

03-MAR-2020 D:\CN File\IP_PWP\ad0344489\LEH_OP_1-BR-27.dgn



NOTES:

1. FINAL TOP OF CONCRETE DECK ELEVATIONS ARE SHOWN. ADD DEAD LOAD DEFLECTIONS TO THE TOP OF CONCRETE DECK ELEVATIONS TO OBTAIN SCREED ELEVATIONS.
2. ALL ELEVATIONS AND DEAD LOAD DEFLECTION VALUES ARE SHOWN IN FEET.
3. SCREED ELEVATIONS ARE PROVIDED AT INTERSECTION OF CENTERLINE OF GIRDER AND SCREED LINE.

SCREED ELEVATIONS TABLE													
SPAN #3													
		20	21	22	23	24	25	26	27	28	29	30	UNITS
LEFT EOD	ELEV	4730.57	4730.49	4730.41	4730.33	4730.25	4730.17	4730.08	4730.00	4729.88	4729.70	4729.47	FT
	DL Δ	0.00	0.04	0.08	0.11	0.13	0.13	0.13	0.11	0.08	0.04	0.00	FT
GIRDER #1	ELEV	4730.62	4730.54	4730.46	4730.38	4730.30	4730.22	4730.13	4730.05	4729.94	4729.78	4729.56	FT
	DL Δ	0.00	0.04	0.08	0.11	0.13	0.13	0.13	0.11	0.08	0.04	0.00	FT
GIRDER #2	ELEV	4730.70	4730.66	4730.57	4730.49	4730.41	4730.33	4730.25	4730.17	4730.08	4729.94	4729.74	FT
	DL Δ	0.00	0.04	0.08	0.11	0.13	0.13	0.13	0.11	0.08	0.04	0.00	FT
RIGHT EOD	ELEV	4730.72	4730.70	4730.62	4730.54	4730.46	4730.38	4730.30	4730.22	4730.13	4730.00	4729.82	FT

SCREED ELEVATIONS TABLE													
SPAN #4													
		30	31	32	33	34	35	36	37	38	39	40	UNITS
LEFT EOD	ELEV	4729.47	4729.20	4728.87	4728.50	4728.07	4727.59	4727.07	4726.49	4725.90	4725.31	4724.72	FT
	DL Δ	0.00	0.04	0.08	0.12	0.14	0.15	0.14	0.12	0.08	0.04	0.00	FT
GIRDER #1	ELEV	4729.56	4729.29	4728.97	4728.59	4728.16	4727.68	4727.15	4726.56	4725.96	4725.35	4724.75	FT
	DL Δ	0.00	0.04	0.08	0.12	0.14	0.15	0.14	0.12	0.08	0.04	0.00	FT
GIRDER #2	ELEV	4729.74	4729.49	4729.17	4728.80	4728.37	4727.88	4727.33	4726.72	4726.09	4725.46	4724.82	FT
	DL Δ	0.00	0.05	0.10	0.14	0.17	0.18	0.17	0.14	0.10	0.05	0.00	FT
RIGHT EOD	ELEV	4729.82	4729.57	4729.26	4728.89	4728.46	4727.96	4727.41	4726.79	4726.15	4725.50	4724.86	FT

REV	DATE	DESCRIPTION

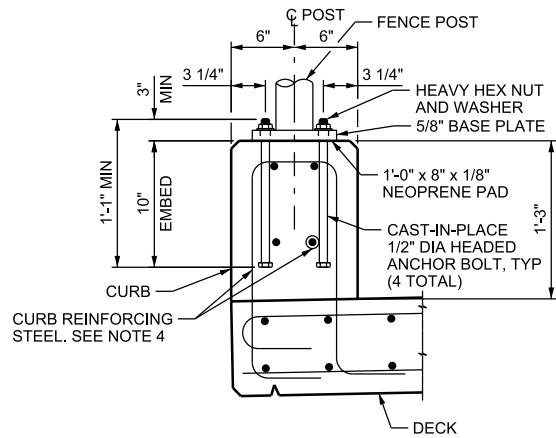
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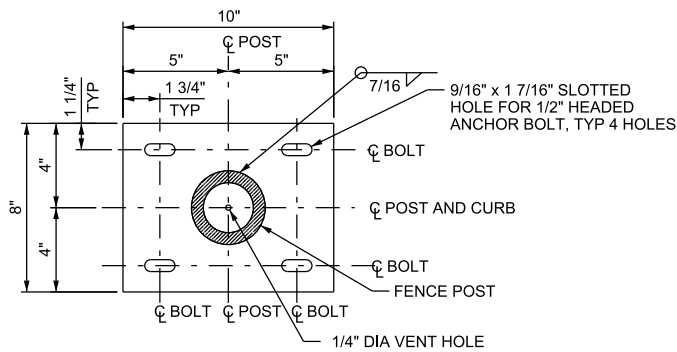
SCREED ELEVATIONS 2 OF 2

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename LEH OP 1-BR-27.dgn	
UTA Contract No. 18-2399TP	
Drawing BR-27	Sheet No. 27 OF 31

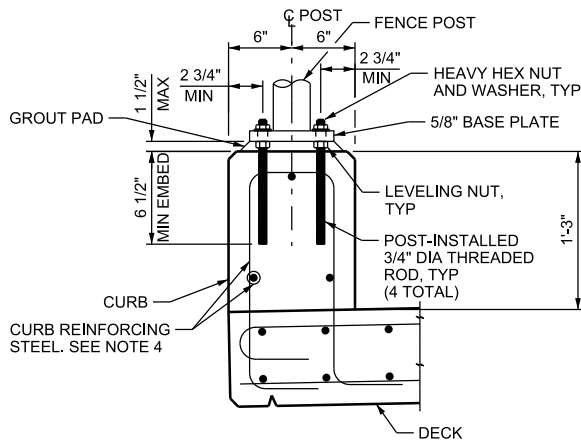


FENCE POST INSTALLATION

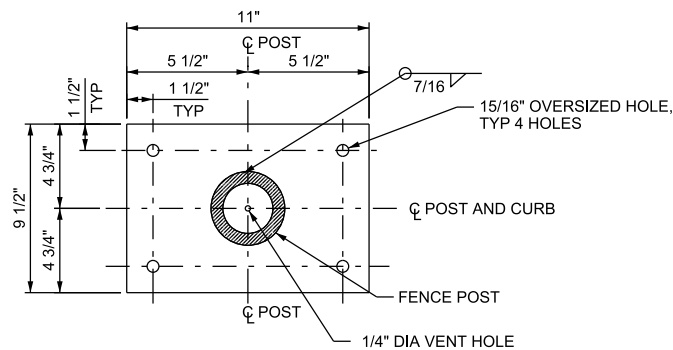


BASE PLATE PLAN

CAST-IN-PLACE ANCHORAGE OPTION

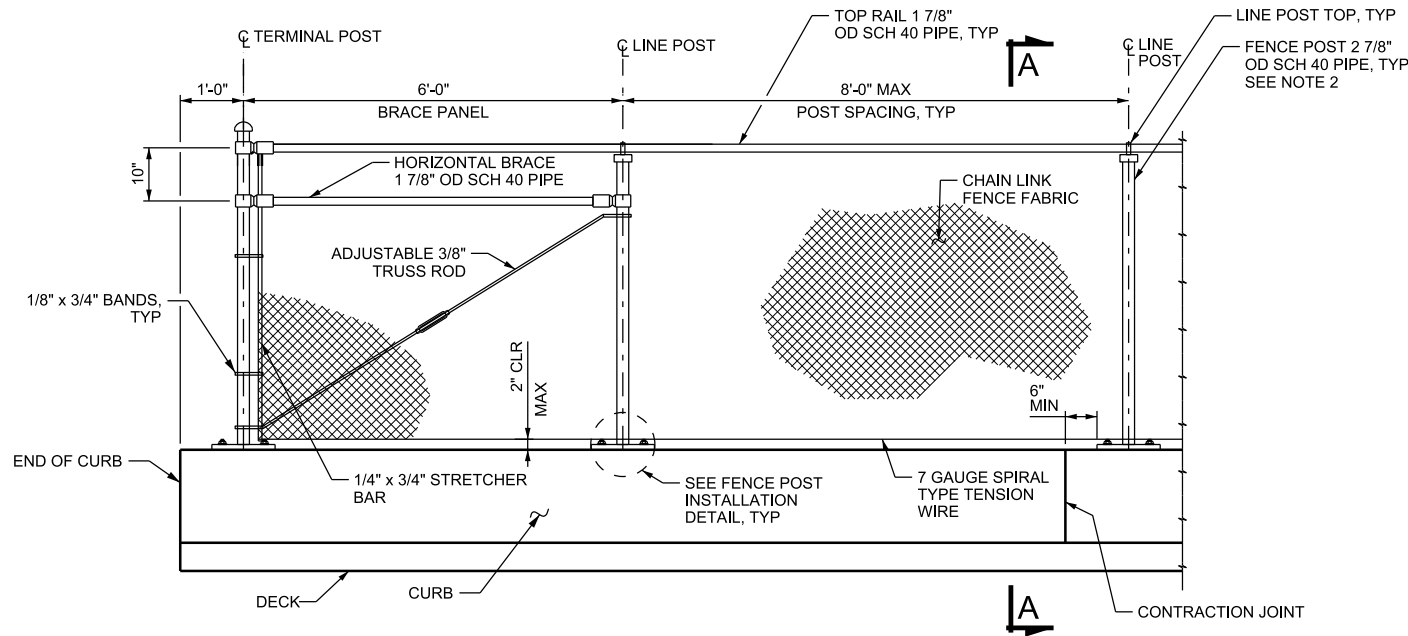


FENCE POST INSTALLATION

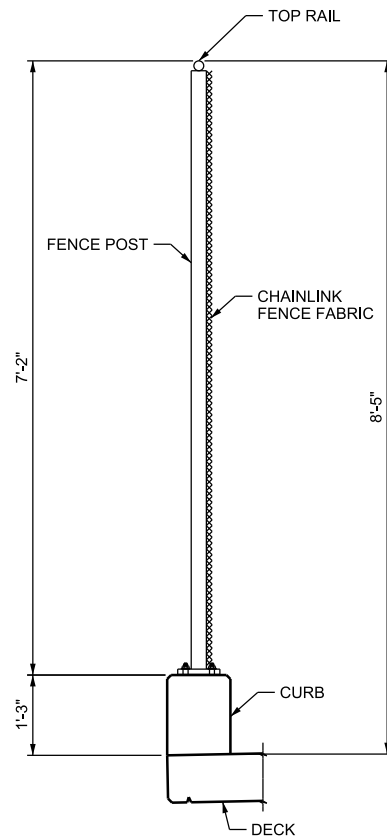


BASE PLATE PLAN

POST-INSTALLED ANCHORAGE OPTION



ELEVATION



SECTION A-A

NOTES

- FENCE POSTS ARE PLUMB.
- SEE UDOT STD DWG FG 6 FOR DETAILS NOT SHOWN.
- CONTRACTOR IS RESPONSIBLE FOR LOCATION AND PLUMBNESS OF ANCHOR BOLTS.
- ADJUST CURB REINFORCING STEEL TO AVOID ANCHOR BOLT OR THREADED ROD LOCATIONS. MAINTAIN MAXIMUM POST SPACING. SEE "DECK SECTION" SHEET FOR CURB DETAIL. CONTRACTOR IS RESPONSIBLE FOR ENSURING POST-INSTALLED ANCHORS DO NOT CONFLICT WITH CURB REINFORCEMENT.
- LOCATE TERMINAL POSTS AT DISCONTINUOUS ENDS OF FENCE AND AT LOCATIONS OF DISCRETE ANGLE CHANGE GREATER THAN 15° HORIZONTALLY OR VERTICALLY. PROVIDE BRACE PANELS ON BOTH SIDES OF TERMINAL POST AS APPLICABLE.
- INSTALL NUTS FOR EXPANSION RAILS FINGER-TIGHT. NUTS FULLY ENGAGE BOLT WITH A MINIMUM OF ONE BOLT THREAD EXTENDING BEYOND THE NUT. DISTORT THE FIRST THREAD ON THE OUTSIDE OF THE NUT TO PREVENT LOOSENING.
- BLACK POWDER COAT FENCE COMPONENTS AFTER FABRICATION. COLOR FENCE ACCORDING TO AMS-STD-595A COLOR NO. 27038.
- PROVIDE CHAINLINK FENCE FABRIC WITH 1 INCH MESH SIZE.
- PROVIDE POST-INSTALLED THREADED RODS AND EPOXY ANCHOR SYSTEM THAT IS CAPABLE OF PROVIDING 7.7 KIPS OF FACTORED AXIAL TENSION RESISTANCE AS A GROUP (2 ANCHORS IN TENSION AND 2 ANCHORS IN COMPRESSION). USE ASTM F1554 GRADE 55 (MINIMUM) MATERIAL THAT IS HOT-DIP GALVANIZED ACCORDING TO ASTM A 123.

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REV	DATE	DESCRIPTION

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Approved By	ALK

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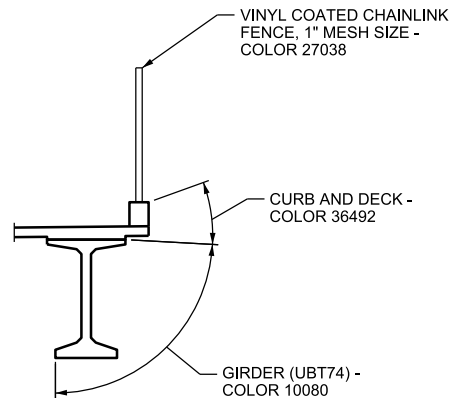
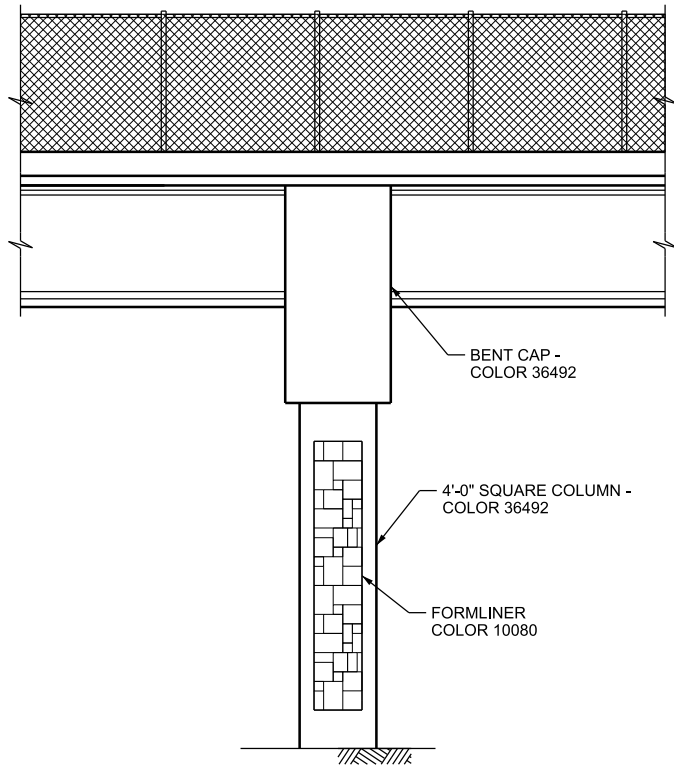
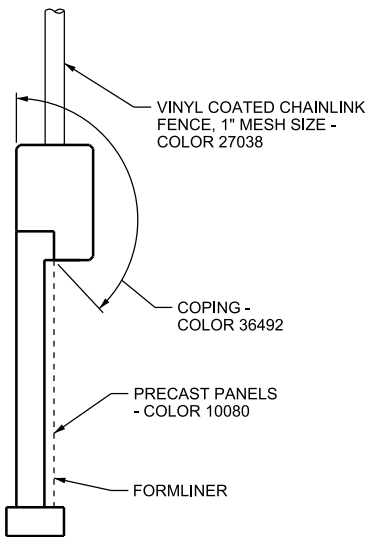
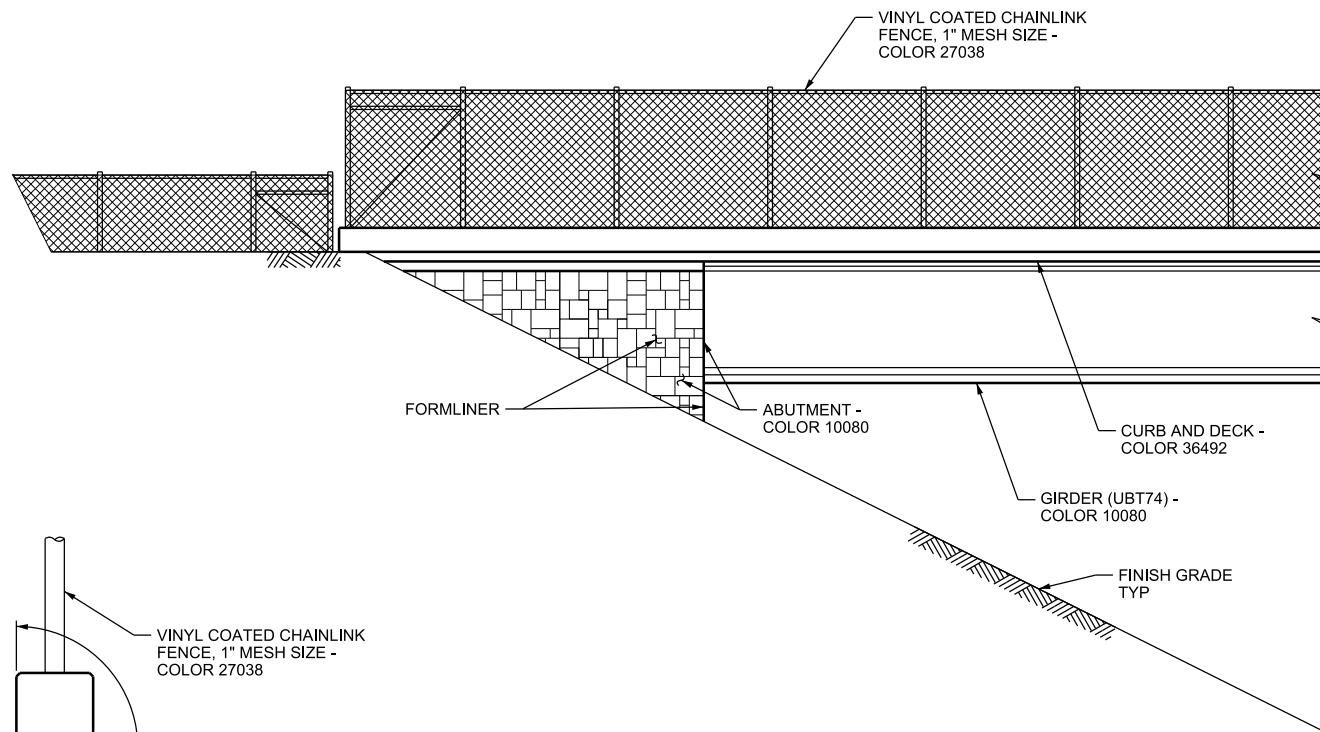
John G. Jutka

UTA

FENCING DETAILS

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename	LEH OP 1-BR-28.dgn
UTA Contract No.	18-2399TP
Drawing	BR-28
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TYPICAL SUPERSTRUCTURE SECTION

QUANTITIES - TINTED CONCRETE SEALER			
COLOR	LOCATION	EST QTY	UNIT
10080	BRIDGE	11,990	SQ FT
	WALL-A	3,950	
	WALL-B	3,490	
	WALL-C	3,040	
36492	BRIDGE	5,420	
	WALL-A	1,380	
	WALL-B	940	
	WALL-C	1,470	

QUANTITIES - FORMLINER		
LOCATION	EST QTY	UNIT
BRIDGE	990	SQ FT
WALL-A	3,950	
WALL-B	3,490	
WALL-C	3,040	

ABUTMENTS

BENTS

MSE WALLS

COLORS



AMS-STD-595A
COLOR 10080



AMS-STD-595A
COLOR 27038



AMS-STD-595A
COLOR 36492

FORMLINER PATTERN



STONE 1203 - 1.5" RANDOM ASHLAR
STONE BY AMERICAN FORMLINERS,
OR APPROVED EQUAL

AESTHETIC DETAILS

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename
LEH OP 1-BR-29.dgn

UTA Contract No.
18-2399TP

Drawing	Sheet No.
BR-29	29 OF 31

03-MAR-2020 DGN File: IP: P:\P\p\0344485\LEH.OP.1-BR-29.dgn

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Drawn By	TCV
Checked By	ALK
Approved By	ALK

UTA

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UTA Contract No. 18-2399TP	
Drawing BR-29	Sheet No. 29 OF 31

MARK	LOCATION	SIZE NO.	NO. BARS	TYPE	LENGTH	TOTAL LENGTH	DIMENSIONS				SERIES INC.	REMARKS
							A	B	C	D		
A1	ABUT - CAP	7	72	1	7'-0"	504'-0"	1'-2"	5'-10"				
A2	ABUT - CAP	5	24	3	13'-3"	318'-0"	3'-1"	3'-1"				
A3	ABUT - CAP	7	16	7	15'-3"	244'-0"	13'-4"	1'-2"				
A4	ABUT - CAP	7	16	16	19'-10"	317'-4"	2'-6"	13'-4"	2'-6"			
A5	ABUT - CAP	5	44	16	9'-8"	425'-4"	2'-7"	3'-6"	2'-7"			
A6	ABUT - CAP	5	12	STR	13'-4"	160'-0"	13'-4"					
A7	ABUT - DIA	5	26	2	11'-6"	299'-0"	1'-0"	5'-7"	4'-11"			
A8	ABUT - DIA	5	44	1	10'-4"	454'-8"	4'-0"	6'-4"				
A9	ABUT - DIA	5	48	2	8'-9"	420'-0"	4'-0"	0'-9"	4'-0"			
A10	ABUT - DIA	7	8	2	14'-4"	114'-8"	5'-0"	4'-4"	5'-0"			
A11	ABUT - DIA	5	12	STR	11'-1"	133'-0"	11'-1"					
A12	ABUT - DIA	5	14	STR	6'-4"	88'-8"	6'-4"					
A13	ABUT - DIA	5	28	STR	5'-8"	158'-8"	5'-8"					
A14	ABUT - DIA	5	6	STR	4'-3"	25'-6"	4'-3"					
A15	ABUT - DIA	5	4	STR	11'-1"	44'-4"	11'-1"					
A16	ABUT - DIA	5	16	3	19'-1"	305'-4"	4'-7"	4'-6"				
A17	ABUT - DIA	5	44	7	4'-10"	212'-8"	3'-6"	0'-10"				
C1	COLUMN	10	36	STR	35'-5"	1275'-0"	35'-5"					A706
C2	COLUMN	10	36	STR	30'-10"	1110'-0"	30'-10"					A706
C3	COLUMN	4	24	STR	17'-6"	420'-0"	17'-6"					
C4	COLUMN	6	3	11	999'-5"	2998'-3"	0'-4"	3'-4"	30'-9"			A706
C5												C5 MARK NOT USED
C6	COLUMN	4	216	2	2'-11"	630'-0"	1'-3"	0'-5"	1'-3"			
C7	COLUMN	6	3	11	166'-6"	499'-6"	0'-4"	3'-4"	4'-3"			A706
B1	BENT - CAP	10	48	2	21'-6"	1032'-0"	2'-0"	17'-6"	2'-0"			
B2	BENT - CAP	10	36	2	21'-6"	774'-0"	2'-0"	17'-6"	2'-0"			
B3	BENT - CAP	5	108	3	23'-6"	2538'-0"	6'-7"	4'-8"				
B4	BENT - CAP	5	36	2	8'-6"	306'-0"	2'-0"	4'-6"	2'-0"			
B5	BENT - CAP	5	36	20	10'-6"	378'-0"	6'-6"	2'-0"	1'-4"	1'-0"		
B6	BENT - CAP	5	36	STR	17'-6"	630'-0"	17'-6"					
B7	BENT - CAP	4	63	7	7'-9"	488'-3"	6'-8"	0'-8"				
B8	BENT - CAP	10	54	1	11'-6"	621'-0"	2'-0"	9'-6"				
W1	WINGWALL	5	24	STR	15'-6"	372'-0"	15'-6"					
W2	WINGWALL	5	8 SERIES OF 8	STR	3'-5" TO 14'-7"	576'-0"	3'-5" TO 14'-7"				1'-4 3/4"	
W3	WINGWALL	5	8 SERIES OF 12	STR	1'-7" TO 8'-10"	500'-0"	1'-7" TO 8'-10"				0'-7 1/4"	
W4	WINGWALL	5	40	STR	8'-10"	353'-4"	8'-10"					
W5	WINGWALL	5	8	STR	15'-0"	120'-0"	15'-0"					

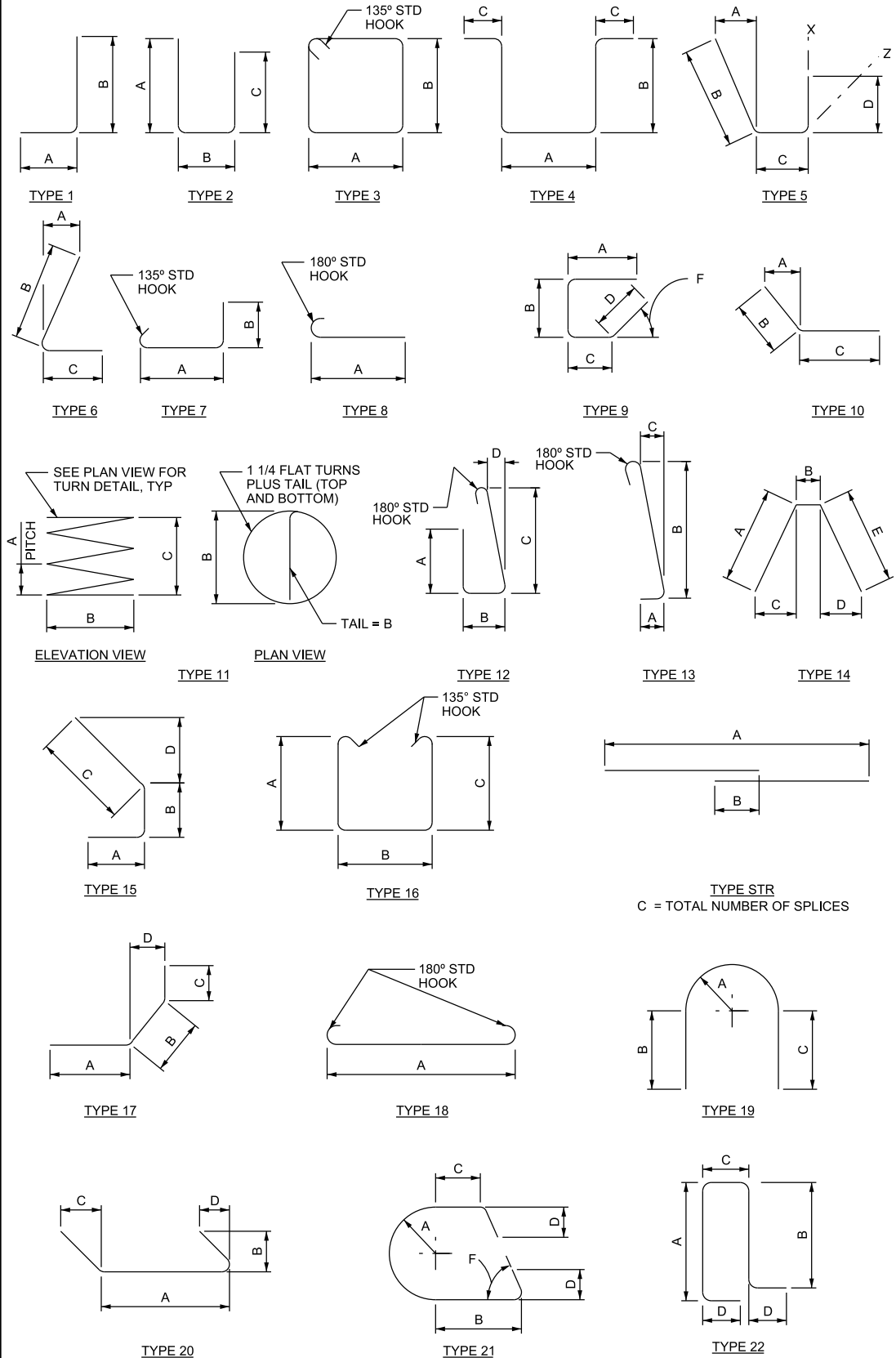
REMARK CODES

- A - PROVIDE NUMBER OF BARS AT SPACING AS SHOWN ON THE PLANS.
- B - PROVIDE AVERAGE SPACING OF BARS AS SHOWN ON THE PLANS. SPACE BARS WITHIN TOLERANCES PER "PLACING REINFORCING BARS, 8TH EDITION" BY CRSI.
- C - PROVIDE NUMBER OF BARS AS SHOWN ON THE PLANS. ACTUAL SPACING OF BARS MAY VARY.
- D - NUMBER OF SPLICES MAY BE INCREASED. LOCATE AND STAGGER SPLICES AS INDICATED ON THE PLANS OR PER REMARKS.
- E - STAGGER SPLICES. NO MORE THAN 50% OF BARS MAY BE SPLICED AT THE SAME LOCATION.

NOTES

- ALL BARS ARE COATED.
- BAR SIZES ARE U.S. UNITS.
- REINFORCING STEEL DIMENSIONS ARE OUT TO OUT OF BARS UNLESS OTHERWISE NOTED.
- TYPE 'STR' INDICATES A STRAIGHT BAR. TYPE 'SER OF' INDICATES SERIES (CUT SET) BARS AND COLUMN TITLE 'SERIES INC' IS ABBREVIATED FOR 'SERIES INCREMENT'.
- SERIES BARS - EACH BAR VARIES BY TABULATED AMOUNT.
- SPLICES MAY BE OMITTED AT FABRICATOR'S OPTION, HOWEVER, IN SUCH CASE, FABRICATOR ASSUMES RESPONSIBILITY FOR FIT.
- USE THE CRSI MANUAL OF PRACTICE, LATEST EDITION FOR HOOKS, BENDS, AND FABRICATION OF REINFORCING STEEL UNLESS NOTED OTHERWISE.

BENDING DIAGRAMS



TYPE STR
C = TOTAL NUMBER OF SPLICES

REINFORCING SCHEDULE 1 OF 2

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE

CADD Filename
LEH OP 1-BR-30.dgn

UTA Contract No.
18-2399TP

Drawing
BR-30

Sheet No.
30 OF 31

MARK	LOCATION	SIZE	NO. BARS	TYPE	LENGTH (FT)	TOTAL LENGTH (FT)	DIMENSIONS (FT)						SERIES	REMARKS
							A	B	C	D	E	F (+)		
S1	DECK	5	38	STR	539'-0"	20482'-0"	500'-0"	3'-0"	13					E
S2	DECK	5	1000	STR	13'-8"	13666'-8"	13'-8"							
S3	DECK	5	1070	22	5'-3"	5617'-6"	1'-6"	1'-5"	0'-8"	0'-10"				
S4	DECK	5	8	STR	539'-0"	4312'-0"	500'-0"	3'-0"	13					E
S5	DECK	5	16	STR	17'-0"	272'-0"	17'-0"							APPROACH SLAB CURB
S6	DECK	5	42	STR	26'-0"	1092'-0"	26'-0"							
S7	DECK	5	231	4	7'-1"	1636'-3"	3'-9"	0'-8"	1'-0"					
S8	DECK	5	2	STR	62'-5"	124'-10"	60'-0"	2'-5"	1					SPAN #1, GIRDER #1
S9	DECK	5	2	STR	38'-0"	76'-0"	38'-0"							SPAN #1, GIRDER #2
S10	DECK	5	2	STR	55'-0"	110'-0"	55'-0"							SPAN #4, GIRDER #1
S11	DECK	5	2	STR	80'-5"	160'-10"	78'-0"	2'-5"	1					SPAN #4, GIRDER #2
S12	DECK	5	1002	18	14'-10"	14863'-0"	13'-8"							
BD1	BENT-DIA PH	5	42	6	8'-4"	350'-0"	3'-0"	4'-10"	3'-6"					
BD2	BENT-DIA PH	5	42	10	8'-4"	350'-0"	3'-0"	4'-10"	3'-6"					
BD3	BENT-DIA PH	5	42	STR	8'-10"	371'-0"	8'-10"							
BD4	BENT-DIA PH	5	84	STR	7'-4"	616'-0"	7'-4"							
BD5	BENT-DIA PH	5	39	16	20'-2"	786'-6"	6'-4"	6'-7"	6'-4"					
BD6	BENT-DIA PH	5	24	3	23'-1"	554'-0"	6'-7"	4'-6"						
BD7	BENT-DIA PH	5	39	7	8'-1"	315'-3"	6'-7"	1'-0"						
BD8	BENT-DIA PH	5	6	20	15'-11"	95'-6"	6'-6"	4'-0"	2'-6"	2'-6"				
BD9	BENT-DIA PH	5	36	2	9'-0"	324'-0"	2'-0"	5'-0"	2'-0"					
AS1	APPR-SLAB	5	30	STR	6'-0"	180'-0"	6'-0"							
AS2	APPR-SLAB	6	128	STR	16'-8"	2133'-4"	16'-8"							
AS3	APPR-SLAB	5	59	9	4'-10"	285'-2"	2'-9"	0'-7"	0'-8"	0'-10"		45.0		
AS4	APPR-SLAB	5	1 SERIES OF 18	18	15'-3" TO 16'-8"	290'-10"	15'-3" TO 16'-8"						0.083	
AS5	APPR-SLAB	5	1 SERIES OF 18	STR	12'-1" TO 13'-6"	230'-3"	12'-1" TO 13'-6"						0.083	
AS6	APPR-SLAB	5	1 SERIES OF 12	STR	15'-3" TO 16'-1"	188'-0"	15'-3" TO 16'-1"						0.076	
AS7	APPR-SLAB	5	1 SERIES OF 12	STR	12'-1" TO 12'-11"	150'-0"	12'-1" TO 12'-11"						0.076	
AS8	APPR-SLAB	5	6	STR	14'-11"	89'-6"	14'-11"							
AS9	APPR-SLAB	5	6	STR	12'-11"	77'-6"	12'-11"							
SS1	SLPR-SLAB	5	12	STR	15'-6"	186'-0"	15'-6"							
SS2	SLPR-SLAB	5	33	2	3'-2"	104'-6"	1'-3"	0'-8"	1'-3"					
SS3	SLPR-SLAB	5	33	STR	2'-6"	82'-6"	2'-6"							
SS4	SLPR-SLAB	5	12	STR	15'-3"	183'-0"	15'-3"							
CB1	DRAIN	5	4	STR	3'-0"	12'-0"	3'-0"							
CB2	DRAIN	5	6	4	11'-0"	66'-0"	3'-0"	3'-3"	0'-9"					
CB3	DRAIN	5	8	3	12'-11"	103'-4"	3'-0"							
CB4	DRAIN	5	4	2	6'-9"	27'-0"	2'-3"	2'-3"	2'-3"					
CB5	DRAIN	5	6	4	14'-6"	87'-0"	3'-0"	5'-0"	0'-9"					

SUMMARY OF COATED BARS - AASHTO M31 GRADE 60

1,538'-3"	OF NUMBER	4	BARS	AT	0.668	LB/FT=	1.028	LB
77,628'-1"	OF NUMBER	5	BARS	AT	1.043	LB/FT=	80.966	LB
2,133'-4"	OF NUMBER	6	BARS	AT	1.502	LB/FT=	3.204	LB
1,180'-0"	OF NUMBER	7	BARS	AT	2.044	LB/FT=	2.412	LB
2,427'-0"	OF NUMBER	10	BARS	AT	4.303	LB/FT=	10.443	LB

TOTAL = 98.053 LB

SUMMARY OF COATED BARS - ASTM A706 GRADE 60

3,497'-9"	OF NUMBER	6	BARS	AT	1.502	LB/FT=	5.254	LB
2,385'-0"	OF NUMBER	10	BARS	AT	4.303	LB/FT=	10.263	LB

TOTAL= 15.516 LB

NOTES

1. SEE "REINFORCING SCHEDULE 1 OF 2" FOR
REMARK CODES, BENDING DIAGRAMS, AND
NOTES.

REINFORCING SCHEDULE 2 OF 2

LEHI CITY
LEH_OP_1
PED OVERPASS STRUCTURE - UDOT STR NO. F-923
SR-92 & DIGITAL DRIVE



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03-MAR-2020 DCN File: IP_PWP\cd0344489\LEH_OP_1-BR-31.dgn

REV	DATE	DESCRIPTION

Designed By	KGJ
Drawn By	DCV
Checked By	AFY
Approved By	ALK

CADD Filename LEH OP 1-BR-31.dgn	
UTA Contract No. 18-2399TP	
Drawing BR-31	Sheet No. 31 OF 31