

# MITCHELL HOLLOW PHASE 1

## 100% PLANS

OCTOBER 17, 2025

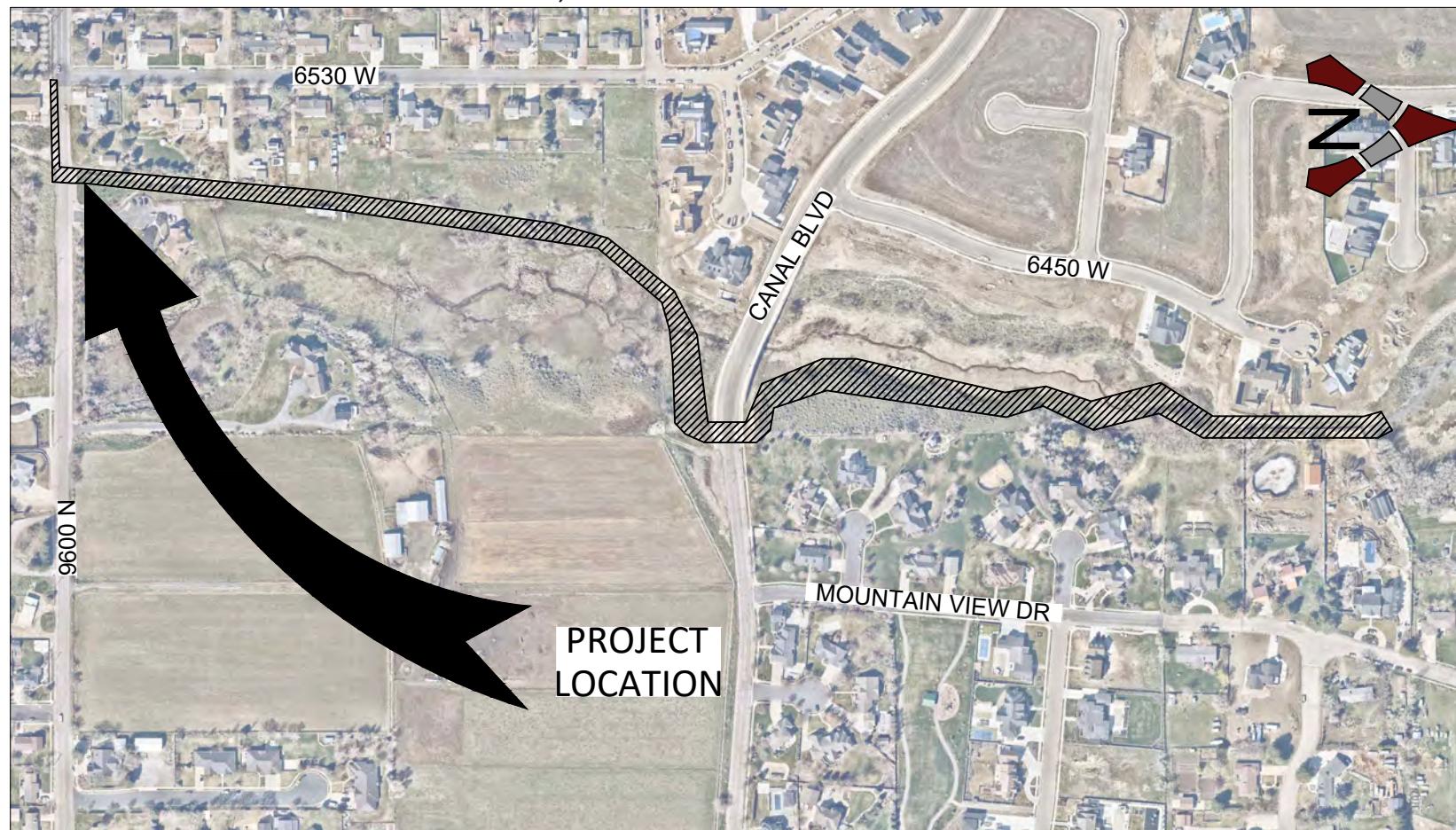


### HIGHLAND CITY

HIGHLAND PUBLIC WORKS DEPARTMENT  
5400 W CIVIC CENTER DRIVE  
HIGHLAND, UT 84003  
TEL: (801) 772-4515

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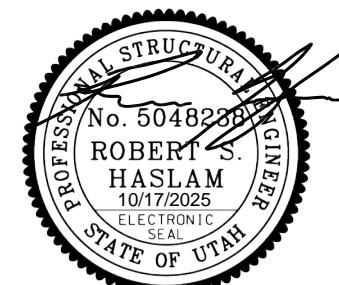


#### VICINITY MAP

SCALE: N.T.S.

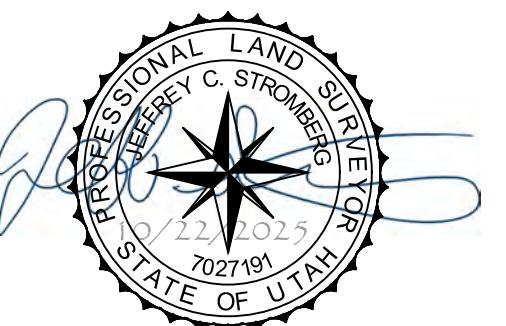
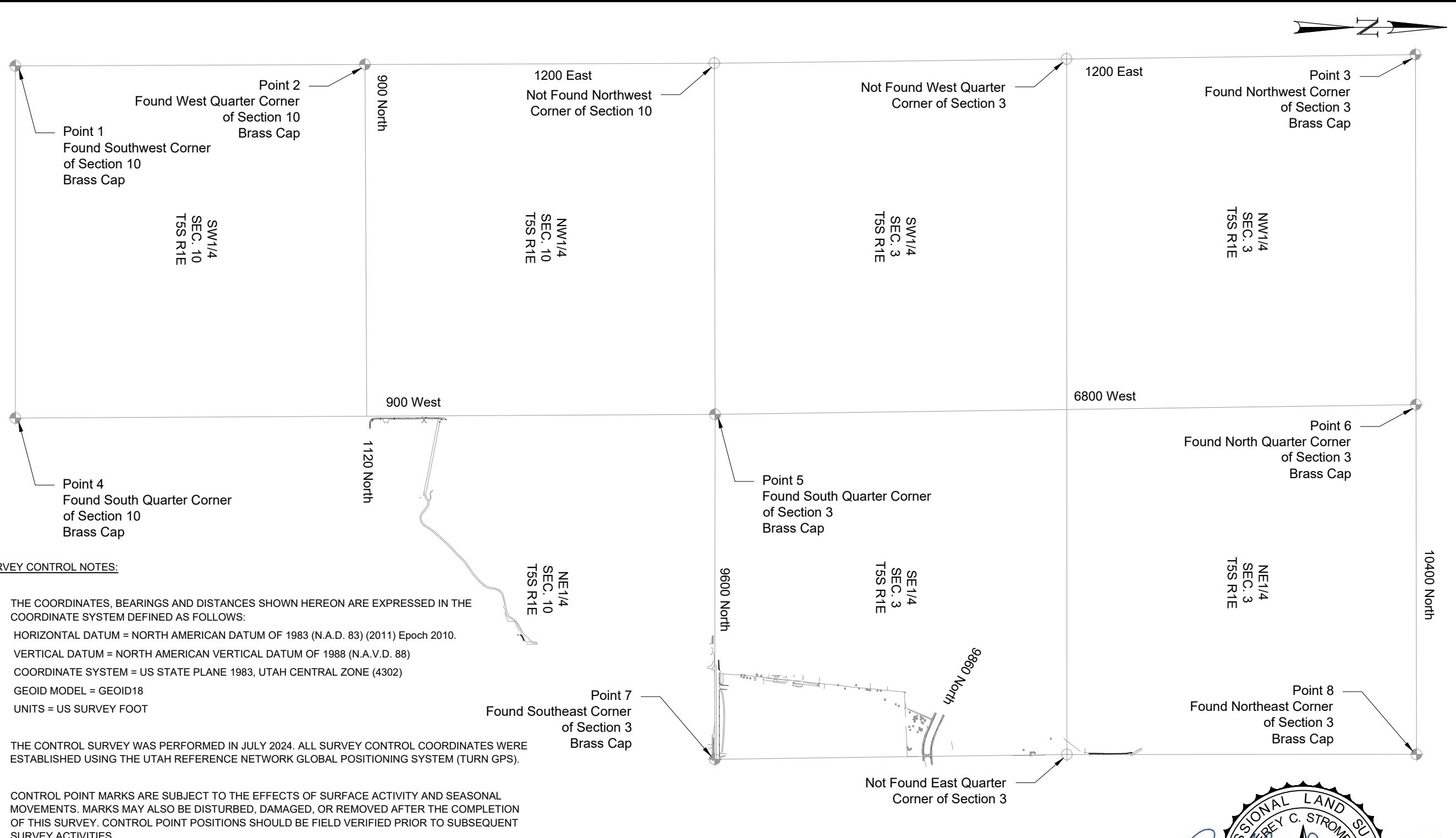
HIGHLAND CITY  
CONSTRUCTION STANDARDS

<https://www.hIGHLANDUT.gov/200/Construction-Standards-Specifics>



ENGINEERING MANAGER: \_\_\_\_\_  
CHRIS TRUSTY

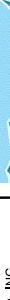
PARKS DIVISION MANAGER/  
PROJECT MANAGER: \_\_\_\_\_  
JOSH CASTLEBERRY



Primary Control Points Based on the Utah Reference Network Global Positioning System (TURN GPS)						
Name	Latitude	Longitude	State Plane Northing	State Plane Easting	Elevation	Description
1	40°23'30.00805"N	111°49'48.66511"W	7311566.494	1548447.028	4566.85	FOUND SW COR SEC 10 COUNTY TIE# 42-16
2	40°23'56.17040"N	111°49'48.92645"W	7314213.965	1548436.636	4653.02	FOUND W 1/4 SEC 10 COUNTY TIE# 42-15
3	40°25'14.79762"N	111°49'50.27891"W	7322170.810	1548361.403	4728.54	FOUND NW COR SEC 03 COUNTY TIE# 42-12
4	40°23'30.09745"N	111°49'14.19863"W	7311565.841	1551113.841	4611.08	FOUND S 1/4 SEC 10 COUNTY TIE# 43-16
5	40°24'22.48024"N	111°49'14.81030"W	7316866.642	1551085.450	4771.64	FOUND S 1/4 SEC 03 COUNTY TIE# 43-14
6	40°25'14.93654"N	111°49'16.00238"W	7322175.125	1551012.387	4808.42	FOUND N 1/4 SEC 03 COUNTY TIE# 43-12
7	40°24'22.53144"N	111°48'41.03476"W	7316862.690	1553698.193	4762.44 **	FOUND SE COR SEC 03 COUNTY TIE# 44-14
8	40°25'15.07045"N	111°48'41.75746"W	7322179.410	1553660.797	4821.47	FOUND NE COR SEC 03 COUNTY TIE# 44-12

\*\* = PROJECT BENCHMARK



PROJECT		MITCHELL HOLLOW TRAIL		SURVEY CONTROL SHEET	
PROJECT NUMBER		D241185UT.00		SC-01	
CONSOR					
 <b>consor</b>					
 <b>HIGHLAND CITY</b>					
 <b>UTAH</b>					
CONSOR NORTH AMERICA, INC. 3800 SCENIC POINTE DR., SUITE 300 DRAPER, UT 84020 Tel. 888-451-4822		DATE 11/06/25		DRAWN BY JCS	
		CHECKED BY RMP			
				REVISIONS NO.	
				BY DATE	
<p>PROJECT WORKS DEPARTMENT  5400 W. CIVIC CENTER DRIVE  HIGHLAND CITY, UT 84003  Tel. 801-772-4515</p>					

SYMBOL LEGEND					
DESCRIPTION	EXIST.	PROP.	DESCRIPTION	EXIST.	PROP.
SANITARY SEWER			IRRIGATION		
CLEANOUT	◎	◎	IRRIGATION VALVE	IRR	IRR
SS MANHOLE	◎	◎	IRRIGATION VALVE BOX	◎	◎
SS VALVE	◎	◎	SPRINKLER		
SS METER	◎	◎	IRRIGATION GATE		◎
SEWER STUB	◎	◎	NATURAL GAS		
STORM DRAIN			GAS METER	◎	◎
CATCH BASIN	■		GAS VALVE	◎	◎
STORM DRAIN MANHOLE	◎	◎	GAS MANHOLE	◎	◎
SD CLEAN OUT BOX	□		SITE		
FLARE END	▽		BOLLARD	■	■
COMMUNICATION			BOULDER	○	○
TELE. MANHOLE	◎	◎	DRINKING FOUNTAIN	DF	DF
TELE. PEDESTAL	◎	◎	FLAGPOLE	◎	◎
TELE. POLE	◎	◎	GATE	—	—
COMM. PEDESTAL	□	□	MAJOR CONTOUR	2520	2520
CABLE TV	□	□	MINOR CONTOUR	2518	2518
DOMESTIC WATER			TOP OF BANK	tob	TOB
FIRE HYDRANT	●	●	TOE OF SLOPE	toe	TOE
SPIGOT	●	●	PROPERTY LINE	—	—
WATER MANHOLE	●	●	PROPERTY LINE (OPTIONAL)	—	—
WATER METER	WM	WM	RIGHT OF WAY	r/w	R/W
WATER VALVE	WV	WV	TEMPORARY EASEMENT	t/e	T/E
YARD HYDRANT	●	●	PERMANENT EASEMENT	p/e	P/E
ELECTRIC			TEST HOLE	TH	TH
ELEC. MANHOLE	●	●	PROPERTY EASEMENT	TH	TH
ELEC. METER	●	●	ROAD SHOULDER	W	W
ELEC. TRANS.	●	●	ROAD CENTERLINE	W	W
JUNCTION BOX	JBI	JBI	ROAD ASPHALT	—	—
GUY WIRE	●	●	ROAD GRAVEL	eg	EG
POWER STUB	●	●	ROAD DIRT	—	—
UTILITY POLE	●	●	CURB AND GUTTER	—	—
STREET LIGHT	●	●	CUT	cut	CUT
STREET LIGHT WITH ARM	●	●	FILL	fill	FILL
TRAFFIC SIGNAL POLE	●	●	UNDERGROUND CABLE	uc	UC

LINE LEGEND		
DESCRIPTION	EXIST.	PROP.
STORM DRAIN	sd	SD
DRAIN LINE	dl	DL
SANITARY SEWER	ss	SS
WATER	w	W
IRRIGATION	irr	IRR
NATURAL GAS	g	G
OVERHEAD POWER	ohp	OHP
UNDERGROUND POWER	up	UP
OVERHEAD TELEPHONE	oht	OHT
UNDERGROUND TELEPHONE	ut	UT
FIBER OPTIC	f/o	F/O
CABLE TELEVISION	ctv	CTV
FENCE	x	X
DITCH	—	—
MAJOR CONTOUR	2520	2520
MINOR CONTOUR	2518	2518
TOP OF BANK	tob	TOB
TOE OF SLOPE	toe	TOE
PROPERTY LINE	—	—
PROPERTY LINE (OPTIONAL)	—	—
RIGHT OF WAY	r/w	R/W
TEMPORARY EASEMENT	t/e	T/E
PERMANENT EASEMENT	p/e	P/E
TEST HOLE	TH	TH
PROPERTY EASEMENT	pe	PE
ROAD SHOULDER	W	W
ROAD CENTERLINE	W	W
ROAD ASPHALT	—	—
ROAD GRAVEL	eg	EG
ROAD DIRT	—	—
CURB AND GUTTER	—	—
CUT	cut	CUT
FILL	fill	FILL
UNDERGROUND CABLE	uc	UC
T.C.E.	tce	TCE
EDGE OF ASPHALT	eo	EOA

ABBREVIATIONS	
ABBREV.	TERM
A	GRADE CHANGE
ADAAG	AMERICANS WITH DISABILITIES ACT ACCESSIBLE DESIGN
ALUM	ALUMINUM
AP	ANGLE POINT
APWA	AMERICAN PUBLIC WORKS ASSOCIATION
ASR	AQUIFER STORAGE AND RECOVERY PROJECT
ASSY	ASSEMBLY
A.S.T.M	AMERICAN SOCIETY FOR TESTING AND MATERIALS
L	ANGLE
@	AT (MEASUREMENTS)
BC	BEGINNING OF CURVE
BFS	BEGIN FULL SUPER
BLDG	BUILDING
B.M.	BENCH MARK
BNC	BEGIN NORMAL CROWN
BNS	BEGIN NORMAL SHOULDER
BOA	BEGINNING OF ALIGNMENT
BP	ALIGNMENT BEGINNING
BREAK	GRADE BREAK
BSC	BITUMINOUS SURFACE COURSE
BSW	BACK OF SIDEWALK
BVC	BEGIN VERTICAL CURVE
BVCE	BVC ELEVATION
BVCS	BVC STATION
BVP	PROFILE START
BOW	BOTTOM OF WALL
B.W.	BOTH WAYS
C	CHANNEL (STRUCTURAL)
CB	CATCH BASIN
CJ	CONTROL JOINT
€	CENTER LINE
CLR	CLEARANCE
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
CONC	CONCRETE
CONT	CONTINUOUS
CPLG	COUPLING
CTR	CENTER
CU FT	CUBIC FEET
CU YD	CUBIC YARD
DEG OR °	DEGREE
DET OR DTL	DETAIL
DIA OR Ø	DIAMETER
DETS	NOT TO SCALE
O.C.	ON CENTER
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PE	POLYETHYLENE
PGL	PROFILE GRADE LINE
PI	TANGENT-TANGENT INTERSECT
PL OR †	PLATE OR PROPERTY LINE
ELEV OR ELE	ELEVATION
ENC	END NORMAL CROWN
ENS	END NORMAL SHOULDER
EOA	END OF ALIGNMENT

ABBREVIATIONS	
ABBREV.	TERM
EP	ALIGNMENT END
EVP	PROFILE END
E.W.	EACH WAY
EXIST	EXISTING
EVC	END VERTICAL CURVE
EVCS	EVC STATION
EX	EXISTING
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FLG	FLANGE
FS	FINISH SURFACE
FT OR ' FEET	FEET
FTG	FOOTING
FW	FRONT OF SIDEWALK
FWK	CONCRETE FLATWORK
GALV	GALVANIZED
GB	GRADE BREAK
GPM	GALLONS PER MINUTE
GV	GATE VALVE
HMA	HOT MIX ASPHALT
HORIZ	HORIZONTAL
HP	HIGH POINT
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN. OR " INCH	INCH
INV.	INVERT
K	CURVE COEFFICIENT
KSI	KIPS PER SQUARE INCH
LT	LEFT
LB	LINE BEGINNING
LB OR # POUND	POUND
LC	LEVEL CROWN
LE	LINE END
LF	LINEAL FEET
LN	LINEAL
LP	LOW POINT
LSM	LOW SHOULDER MATCH
MAN	MANUAL
MAX	MAXIMUM
MIN	MINIMUM
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
NO. OR # NUMBER	NUMBER
NTS	NOT TO SCALE
O.C.	ON CENTER
DIA OR Ø DIAMETER	DIAMETER
D.I.P.	DUCTILE IRON PIPE
DIST	DISTRIBUTION
DWG	DRAWING
EA	EACH
EC	END OF CURVE
EFS	END FULL SUPER
ELB	ELBOW
ELEV OR ELE	ELEVATION
ENC	END NORMAL CROWN
ENS	END NORMAL SHOULDER
EOA	END OF ALIGNMENT
PL OR † PLATE OR PROPERTY LINE	PLATE OR PROPERTY LINE
PRC	POINT OF REVERSE CURVATURE
PT	END OF CURVE
PVC	POLYVINYL-CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
W/REQ'D	WHERE REQUIRED

**MITCHELL HOLLOW TRAIL**  
D241185UT.00

**LEGEND & ABBREVIATIONS**

PROJECT NUMBER: D241185UT.00  
SHEET NUMBER: A-01  
DATE: 10/17/25  
BY: JBA  
REVISIONS: 0

**HIGHLAND CITY**  
CONSOR CONSULTING ENGINEERS  
AMERICA, INC.  
38 E. SCENIC PONTE  
DR., SUITE 200  
DRAFER, UT 84020  
Tel: 888-451-6822

THE CONTRACTOR SHALL CAREFULLY READ ALL THE NOTES AND SPECIFICATIONS  
THE CONTRACTOR SHALL BE SATISFIED AS TO THE TRUE MEANING AND INTENT  
AND SHALL BE RESPONSIBLE FOR COMPLYING WITH EACH.

## 1. GENERAL NOTES

- 1.1. ALL UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING BLUE STAKE FOR LOCATION OF ALL UTILITIES 1-800-662-4111.
- 1.2. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION AND ENSURE THEY REMAIN IN PLACE AND OPERATIONAL. UNLESS OTHERWISE SPECIFIED.
- 1.3. RESTORE OR PRESERVE ALL EXISTING FENCES, ROADS, AND DITCHES UNLESS OTHERWISE SPECIFIED.
- 1.4. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS ONE HARD COPY AND ONE CD WITH CAD FILES, PRIOR TO FINAL PAYMENT.
- 1.5. SAFE CONSTRUCTION PROCEDURES AND WORKING CLEARANCES SHALL BE MAINTAINED AT ALL TIMES.
- 1.6. IF THERE IS A CONFLICT BETWEEN THE PLANS AND SPECIFICATIONS, THE SPECIFICATIONS SHALL PREVAIL.
- 1.7. THESE NOTES SHALL BE DEEMED AN ADDENDUM TO THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA) MANUAL STANDARD SPECIFICATIONS. HIGHLAND CITY FOLLOWS THE MOST CURRENT APWA SPECIFICATIONS AND STANDARD PLANS (AVAILABLE AT [WWW.APWAUTAH.ORG](http://WWW.APWAUTAH.ORG)).
- 1.8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY REQUIREMENTS ON THE JOB SITE AND WILL ENSURE ENFORCEMENT OF THE NECESSARY AND GOVERNING REGULATIONS.
- 1.9. ALL CONSTRUCTION DEBRIS SHALL BE REMOVED (IE NO CONCRETE).

## 2. PRECONSTRUCTION

- 2.1. THE CONTRACTOR SHALL NOTIFY THE HIGHLAND CITY PUBLIC WORKS DEPARTMENT (801-772-4515) A MINIMUM OF THREE (3) WEEKS BEFORE BEGINNING WORK.
- 2.2. THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY ALL APPROPRIATE GOVERNMENT AND PRIVATE ENTITIES ASSOCIATED WITH THE PROJECT. THE FOLLOWING MUST BE CONTACTED 48-HOURS PRIOR TO CONSTRUCTION AS APPLICABLE TO THE PROJECT:

HIGHLAND CITY PUBLIC WORKS	801-772-4515
BLUE STAKES	811
ROCKY MOUNTAIN POWER	800-469-3981
CENTURY LINK	801-356-6975
COMCAST	435-224-2356
CENTRACOM INTERACTIVE	435-427-3331
ENBRIDGE UTAH	801-324-3970
CENTRAL UT WTR CONSERVANCY DISTRICT	801-226-7193
CENTURYLINK LOCAL NETWORK	801-974-8181
MCI/VERIZON BUSINESS	469-886-4236
UTAH COUNTY	801-851-8663
VERACITY NETWORKS	801-362-0021

2.3. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH HIGHLAND CITY, REPRESENTATIVES OF THE CONSULTANT CONSTRUCTION MANAGEMENT TEAM, REPRESENTATIVES OF THE CONTRACTORS AND OTHER AFFECTED AGENCIES.

### 3. SCHEDULE

- 3.1. PRIOR TO CONSTRUCTION THE CONTRACTOR WILL UPDATE HIGHLAND CITY PUBLIC WORKS AND CONSOR NORTH AMERICA INC. AS CHANGES OCCUR IN ACCORDANCE WITH THE SPECIFICATIONS.
- 3.2. REGULAR WORK HOURS ARE SEVEN (7) A.M. UNTIL SEVEN (7) P.M. OR DUSK (WHICHEVER OCCURS FIRST) OF THE SAME DAY, MONDAY THROUGH FRIDAY. THE CONTRACTOR WILL NOT PERMIT OVERTIME WORK OUTSIDE OF REGULAR WORKING HOURS OR THE PERFORMANCE OF WORK ON SATURDAY, SUNDAY OR ANY LEGAL HOLIDAY WITHOUT RECEIVING WRITTEN CONSENT FROM THE PUBLIC WORKS DIRECTOR. REQUESTS FOR WEEKEND WORK APPROVAL MUST BE SUBMITTED, IN WRITING TO HIGHLAND CITY NO LATER THAN WEDNESDAY AT 3:30 P.M. FOR SUBSEQUENT WEEKEND. REQUESTS FOR HOLIDAY WORK APPROVAL MUST BE SUBMITTED, IN WRITING

TO HIGHLAND CITY NO LATER THAN 7:00 A.M. - 2 BUSINESS DAYS PRIOR TO THE HOLIDAY.

3.3. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE PROSECUTED TO COMPLETION WITHOUT DELAY SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.

4. GENERAL NOTES

4.1. ALL WORK SHALL BE PERFORMED PER HIGHLAND CITY SPECIFICATIONS AND STANDARDS. IN THE EVENT THAT THE MUNICIPALITIES DO NOT OFFER SPECIFICATIONS FOR THE WORK, THE LATEST APWA STANDARDS SHALL APPLY. AS REQUIRED IN THE PLANS MEET UDOT STANDARD SPECIFICATIONS AND STANDARD DRAWINGS.

4.2. WHERE THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE BEST QUALITY ARE TO BE USED.

4.3. IT IS INTENDED THAT THESE PLANS AND SPECIFICATIONS REQUIRE ALL LABOR AND MATERIALS NECESSARY AND PROPER FOR THE WORK CONTEMPLATED AND THAT THE WORK BE COMPLETED IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY REGARDING ANY DISCREPANCIES OR AMBIGUITIES WHICH MAY EXIST IN THE PLANS OR SPECIFICATIONS. THE ENGINEER'S INTERPRETATION THEREOF SHALL BE CONCLUSIVE.

4.4. THE CONTRACTOR SHALL BE SKILLED AND REGULARLY ENGAGED IN THE GENERAL CLASS AND TYPE OF WORK CALLED FOR IN THE PROJECT PLANS AND SPECIFICATIONS. THEREFORE, THE OWNER IS RELYING UPON THE EXPERIENCE AND EXPERTISE OF THE CONTRACTOR. IT SHALL BE EXPECTED THAT PRICES PROVIDED WITHIN THE CONTRACT DOCUMENTS SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY AND PROPER FOR THE WORK CONTEMPLATED. THE CONTRACTOR SHALL BE COMPETENT, KNOWLEDGEABLE AND HAVE SPECIAL SKILLS ON THE NATURE, EXTENT AND INHERENT CONDITIONS OF THE WORK TO BE PERFORMED. CONTRACTOR SHALL ALSO ACKNOWLEDGE THAT THERE ARE CERTAIN PECULIAR AND INHERENT CONDITIONS EXISTENT IN THE CONSTRUCTION OF THE PARTICULAR FACILITIES, WHICH MAY CREATE, DURING THE CONSTRUCTION PROGRAM, UNUSUAL OR PECULIAR UNSAFE CONDITIONS HAZARDOUS TO PERSONS, PROPERTY AND THE ENVIRONMENT. CONTRACTOR SHALL BE AWARE OF SUCH PECULIAR RISKS AND HAVE THE SKILL AND EXPERIENCE TO FORESEE AND TO ADOPT PROTECTIVE MEASURES TO ADEQUATELY AND SAFELY PERFORM THE CONSTRUCTION WORK WITH RESPECT TO SUCH HAZARDS.

4.5. THE CONTRACTOR SHALL, AT THE TIME OF BIDDING, AND, THROUGHOUT THE PERIOD OF THE CONTRACT, BE LICENSED IN THE STATE OF UTAH AND SHALL BE BONDABLE FOR AN AMOUNT EQUAL TO OR GREATER THAN THE AMOUNT BID AND TO DO THE TYPE OF WORK CONTEMPLATED IN THE PLANS AND SPECIFICATIONS.

4.6. CONTRACTOR SHALL INSPECT THE SITE OF THE WORK PRIOR TO BIDDING TO SATISFY THEMSELVES BY PERSONAL EXAMINATION OR BY SUCH OTHER MEANS AS THEY MAY PREFER, OF THE LOCATION OF THE PROPOSED WORK, AND OF THE ACTUAL CONDITIONS OF AND AT THE SITE OF WORK. IF, DURING THE COURSE OF THEIR EXAMINATION, A BIDDER FINDS FACTS OR CONDITIONS WHICH APPEAR TO THEM TO BE IN CONFLICT WITH THE LETTER OR SPIRIT OF THE PROJECT PLANS AND SPECIFICATIONS, THEY SHALL CONTACT THE ENGINEER FOR ADDITIONAL INFORMATION AND EXPLANATION BEFORE SUBMITTING THEIR BID. AWARDING THE CONTRACT TO THE CONTRACTOR AND THE CONTRACTOR SIGNING SAID CONTRACT SHALL CONSTITUTE ACKNOWLEDGEMENT THAT THE CONTRACTOR RELIED AND ARE RELYING ON THEIR OWN EXAMINATION OF (1) THE SITE OF THE WORK, (2) ACCESS TO THE SITE, AND (3) ALL OTHER DATA AND MATTERS REQUISITE TO THE FULFILLMENT OF THE WORK AND ON THEIR OWN KNOWLEDGE OF EXISTING FACILITIES ON AND IN THE VICINITY OF THE SITE OF THE WORK TO BE CONSTRUCTED UNDER THIS CONTRACT. THE INFORMATION PROVIDED BY THE OWNER OR THE ENGINEER IS NOT INTENDED TO BE A SUBSTITUTE FOR, OR A SUPPLEMENT TO THE INDEPENDENT VERIFICATION BY THE CONTRACTOR TO THE EXTENT SUCH INDEPENDENT INVESTIGATION OF SITE CONDITIONS IS DEEMED NECESSARY OR DESIRABLE BY THE CONTRACTOR. THE CONTRACTOR SHALL ACKNOWLEDGE THAT THEY HAVE NOT RELIED SOLELY UPON OWNER OR ENGINEER FURNISHED INFORMATION REGARDING SITE CONDITIONS IN PREPARING AND SUBMITTING THEIR BID.

4.7. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL WATER, POWER, SANITARY FACILITIES AND TELEPHONE SERVICES AS REQUIRED FOR THE CONTRACTOR'S USE DURING CONSTRUCTION.

4.8. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE OWNER,

ENGINEER, AND/OR ANY REGULATORY AGENCY.

4.9. THE CONTRACTOR SHALL MAINTAIN A NEATLY MARKED SET OF FULL -SIZE AS-BUILT RECORD DRAWINGS SHOWING THE FINAL LOCATION AND LAYOUT OF ALL ROADWAYS, PIPING AND CONDUITS, STRUCTURES AND OTHER FACILITIES. AS-BUILT RECORD DRAWINGS ARE TO BE SUBMITTED BY THE CONTRACTOR PRIOR TO SUBSTANTIAL COMPLETION AND HIGHLAND CITY ACCEPTANCE OF THE CONSTRUCTION.

4.10. WORK IN EASEMENT AND/OR RIGHTS-OF-WAY SHALL BE SUBJECT TO THE APPROVAL AND ACCEPTANCE OF THE REGULATORY AGENCY RESPONSIBLE FOR OPERATION AND/OR MAINTENANCE OF SAID EASEMENT AND/OR RIGHTS-OF-WAY.

4.11. ALL CONSTRUCTION WILL CONFORM TO THE MOST CURRENT APWA MANUAL OF STANDARD PLANS AND SPECIFICATIONS AND AASHTO, ASTM, AWWA, AND MUTCD STANDARDS, HIGHLAND CITY STANDARDS AND SPECIFICATIONS. WHERE CONFLICTS ARISE, THE MOST STRINGENT CODE WILL APPLY.

4.12. CONTRACTOR SHALL ATTEND ALL PRECONSTRUCTION, CONSTRUCTION CONFERENCES AND WEEKLY MEETINGS.

5. PUBLIC INVOLVEMENT

5.1. HIGHLAND CITY WILL PROVIDE THE CONTRACTOR ANY PERMITS TO ENTER AND CONSTRUCT AS NECESSARY TO PERFORM THE WORK AS DOCUMENTED IN THE PLANS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ACQUIRING ANY ADDITIONAL PERMITS MADE NECESSARY BY ANY CHANGES TO THE PLANS AFTER CONSTRUCTION BEGINS.

5.2. PRIOR TO BEGINNING THE WORK, THE CONTRACTOR SHALL OBTAIN ANY/ALL WRITTEN AGREEMENTS FOR INGRESS AND EGRESS TO THE WORK SITE FROM ADJACENT PRIVATE PROPERTY OWNERS. A COPY OF ALL AGREEMENTS SHALL BE PROVIDED TO HIGHLAND CITY. ACCESS TO ANY ADJACENT PRIVATE PROPERTY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.

5.3. PUBLIC NOTICE TO PROJECTS IN THE PUBLIC WAY- FOR APPROVED PROJECTS THE CONTRACTOR IS RESPONSIBLE TO PROVIDE AND DISTRIBUTE WRITTEN NOTICE TO ALL RESIDENTS LOCATED WITHIN THE PROJECT AREA AT LEAST 72-HOURS PRIOR TO CONSTRUCTION. WORK TO BE CONDUCTED WITHIN COMMERCIAL OR INDUSTRIAL AREAS MAY REQUIRE A LONGER NOTIFICATION PERIOD AND ADDITIONAL CONTRACTOR COORDINATION WITH PROPERTY OWNERS. THE WRITTEN NOTICE IS TO BE APPROVED BY HIGHLAND CITY PRIOR TO DISTRIBUTION.

6. PLANS

6.1. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING QUANTITIES OF ALL MATERIALS FOR BIDDING AND INSTALLATION PURPOSES. IF DISCREPANCIES EXIST, THE PLAN SHALL DICTATE QUANTITIES TO BE USED.

6.2. IN CASE OF DISCREPANCY BETWEEN SCALED AND FIGURED DIMENSIONS, FIGURED DIMENSIONS SHALL GOVERN.

6.3. IF FOR ANY REASON PROPOSED FACILITIES CANNOT BE CONSTRUCTED IN ACCORDANCE WITH APPROVED PLANS, CONTRACTOR SHALL IMMEDIATELY INFORM CONSTRUCTION INSPECTOR AND SHALL NOT BEGIN OR CONTINUE WORK ON THOSE ITEMS. IF THE CONSTRUCTION MANAGEMENT TEAM DETERMINES PLAN REVISIONS ARE NECESSARY, NO WORK SHALL BE PERFORMED ON THE ITEM(S) IN QUESTION UNTIL REVISED PLANS ISSUED BY THE DESIGN ENGINEER ARE APPROVED AND ISSUED FOR CONSTRUCTION BY HIGHLAND CITY PUBLIC WORKS.

6.4. FAILURE OF PLANS OR SPECIFICATIONS TO MENTION SPECIFICALLY THE PROVISION OF ANY ITEM(S), OR PERFORMANCE OF ANY WORK OR PROCEDURE WHICH WOULD NORMALLY BE REQUIRED TO COMPLETE THE PROJECT, SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PROVIDE SUCH ITEM(S) OR TO PERFORM SUCH WORK OR PROCEDURE.

7. CONSTRUCTION LIMITS

7.1. PROJECT LIMITS - THE CONTRACTOR SHALL BE REQUIRED TO KEEP ALL CONSTRUCTION ACTIVITIES WITHIN THE APPROVED PROJECT LIMITS. THIS INCLUDES, BUT IS NOT LIMITED TO, VEHICLE AND EQUIPMENT STAGING, MATERIAL STORAGE AND LIMITS OF TRENCH EXCAVATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PERMISSION AND/OR EASEMENTS FROM THE APPROPRIATE GOVERNING ENTITY AND/OR INDIVIDUAL PROPERTY OWNER(S) FOR WORK OR STAGING OUTSIDE OF THE PROJECT LIMITS.



PUBLIC WORKS DEPARTMENT  
5400 W. CIVIC CENTER DRIVE  
HIGHLAND CITY, UT 84003  
Tel. 801-772-4515

CONSOR NORTH  
AMERICA, INC.  
38 E SCENIC POIN  
DR., SUITE 300  
DRAPER, UT 84020

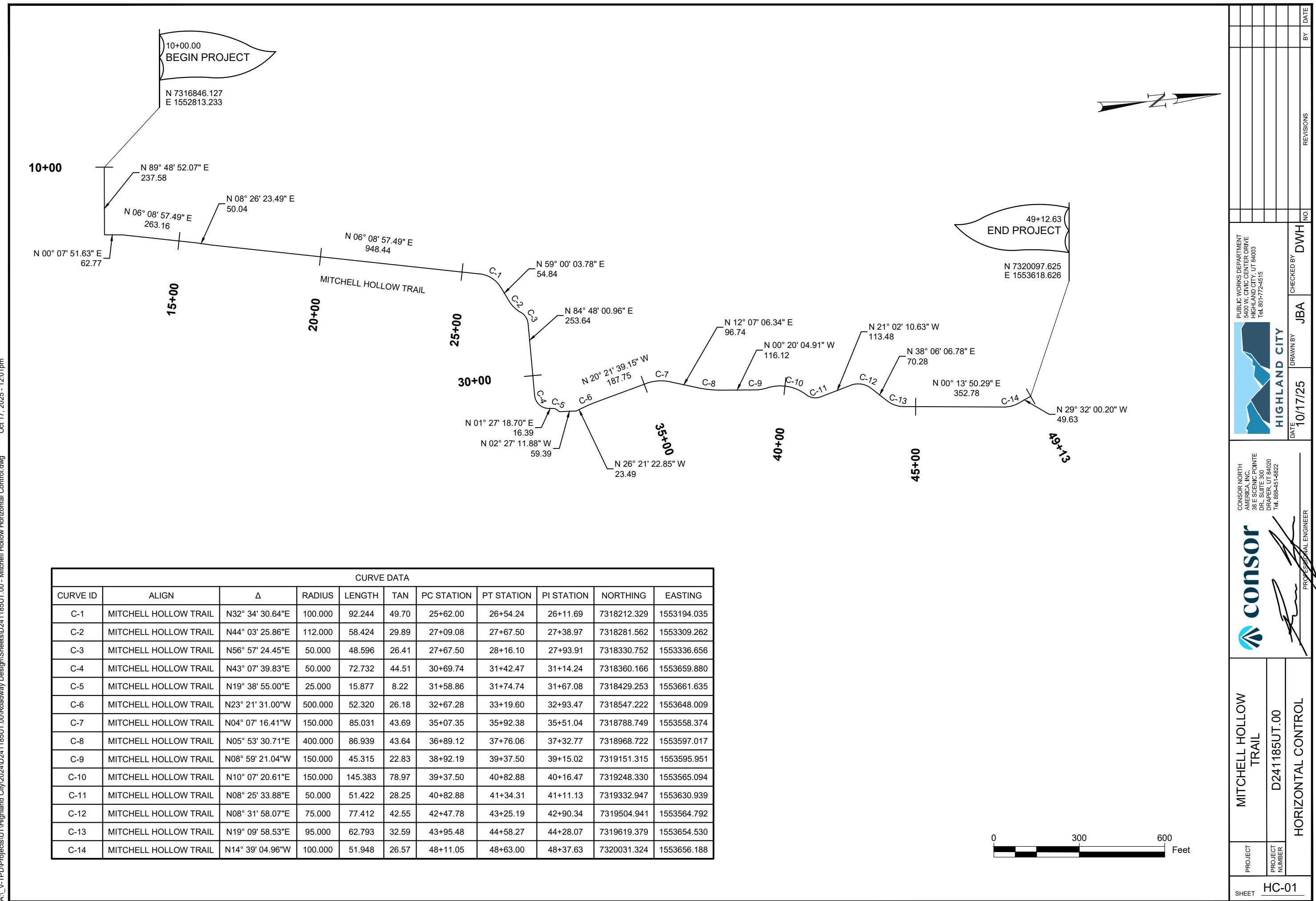
consonor

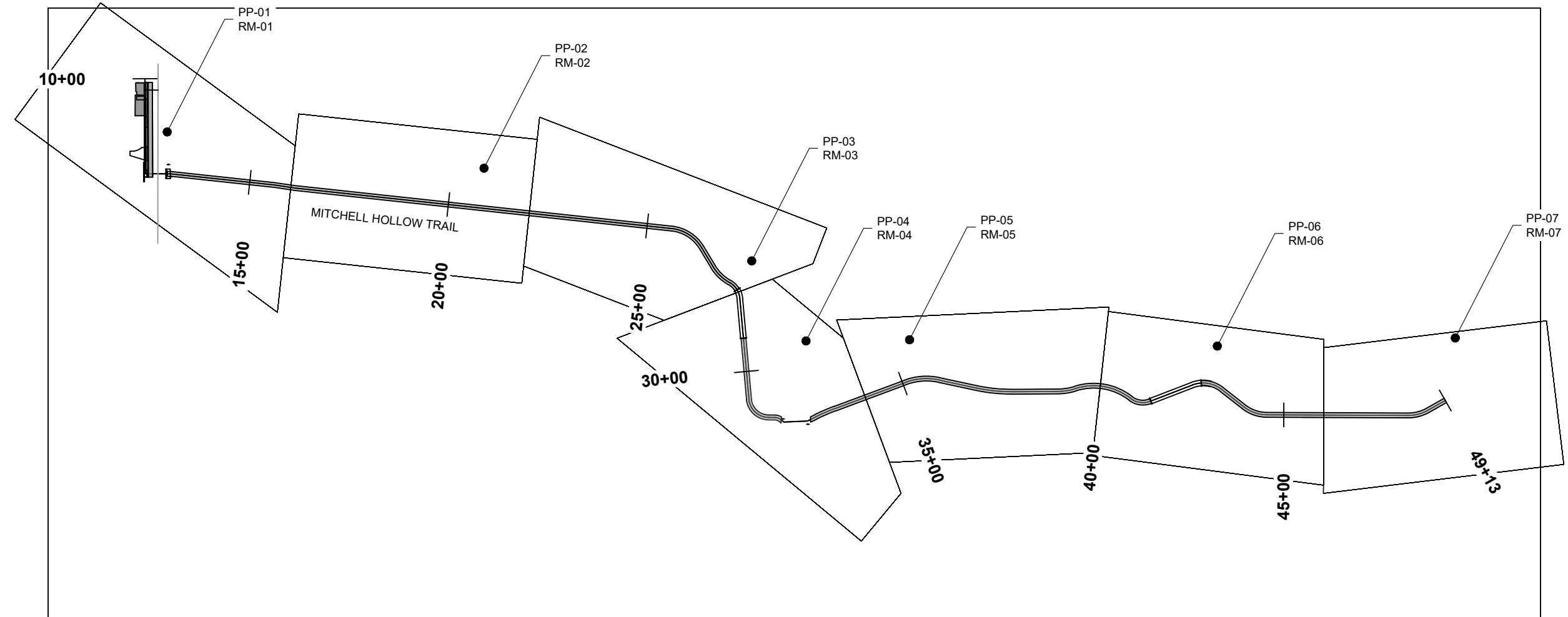
# MITCHELL HOLLOW TRAIL

SHEET G









0 300 600 Feet

SHEET		CONSOR			HIGHLAND CITY	
PROJECT NUMBER	PROJECT NAME	DRAWN BY	CHECKED BY	DWH NO.	REVISIONS	BY DATE
CR-01	MITCHELL HOLLOW TRAIL	JBA				
	D241185UT.00					

CONSOR  
PROFESSIONAL ENGINEERS



MITCHELL HOLLOW  
TRAIL

D241185UT.00

CROSS REFERENCE

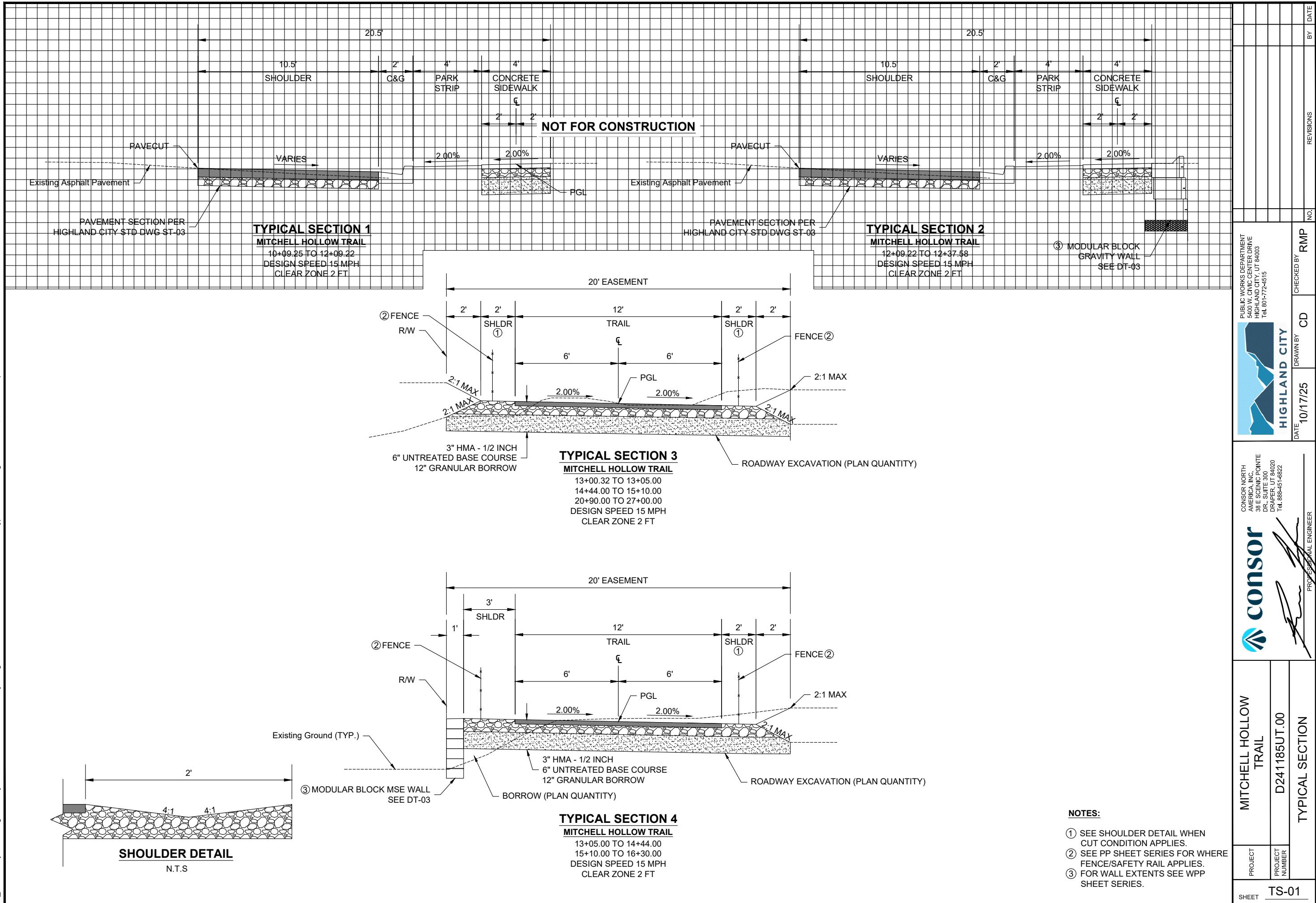
PUBLIC WORKS DEPARTMENT  
5400 W. CIVIC CENTER DRIVE  
HIGHLAND CITY, UT 84003  
Tel: 801-772-4515

HIGHLAND CITY

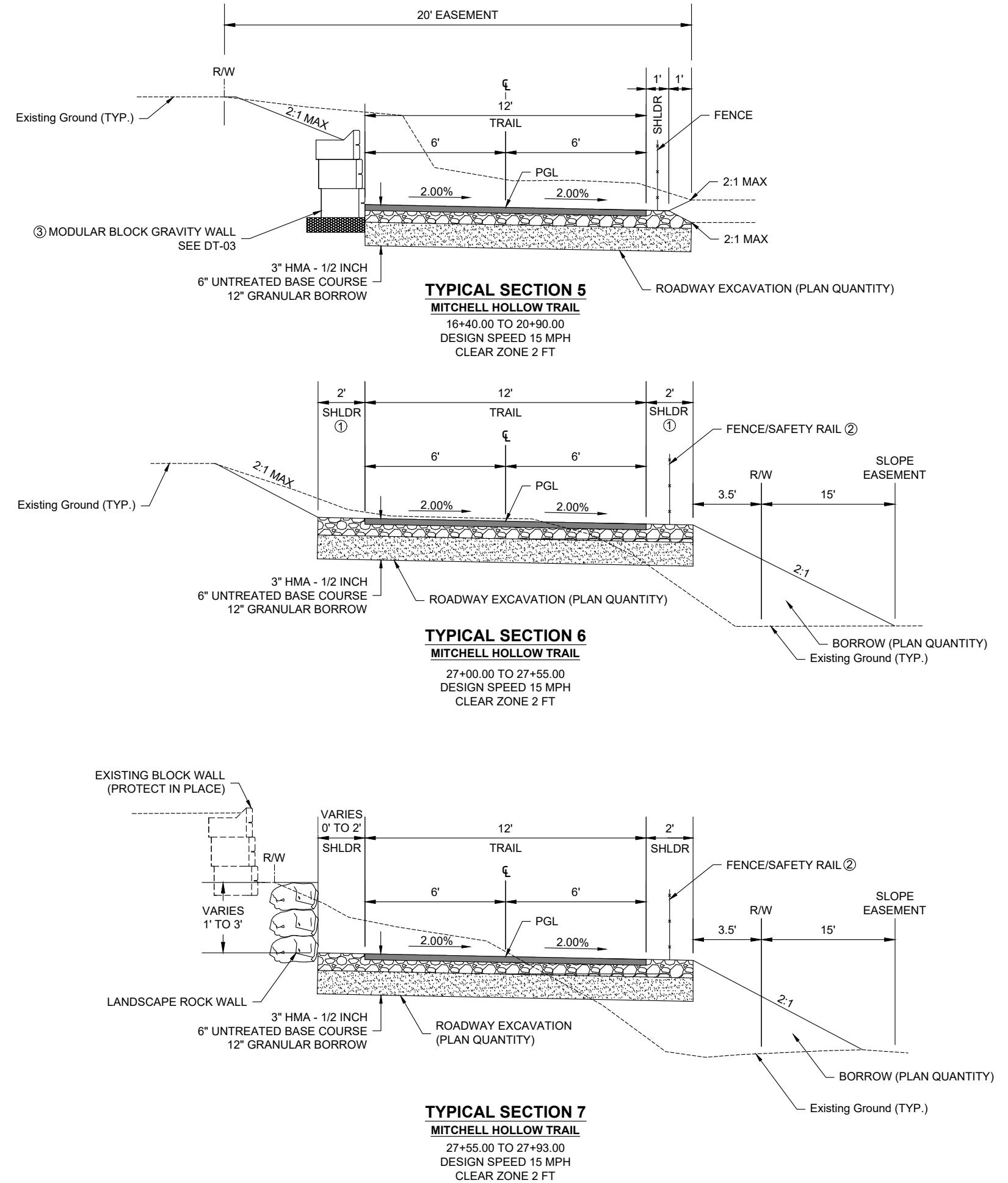
AMERICA, INC.  
38 E. SCENIC PONTE  
DR., SUITE 200  
DRAFTER, UT 84020  
Tel: 888-451-8622

CONSOR  
PROFESSIONAL ENGINEERS

BY DATE



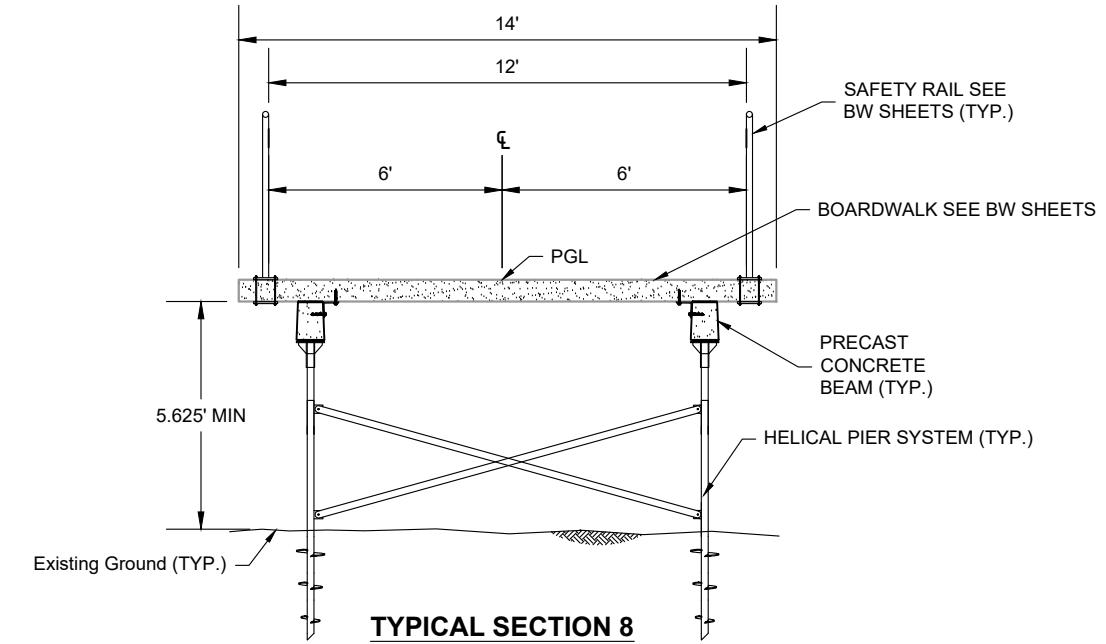
V:\TPD\Projects\UT\Highland City\2024\D241185UT.00\Roadway Design\Sheets\D241185UT.00 - Mitchell Hollow Typical Section.dwg Oct 17, 2025 - 12:02pm



## OTES:

- SEE TS-01 FOR SHOULDER DETAIL WHEN CUT CONDITION APPLIES.
- SEE PP SHEET SERIES FOR WHERE FENCE/SAFETY RAIL APPLIES.
- FOR WALL EXTENTS SEE WPP SHEET SERIES

PROJECT	MICHELL HOLLOW TRAIL	CONSOR		
PROJECT NUMBER	D241185UT.00	PROFESSIONAL ENGINEER		
TYPICAL SECTION				
TS-02				
				
<p>CONSOR NORTH AMERICA, INC. 38 E SCENIC POINTE DR, SUITE 300 DRAPER, UT 84020 TEL: 886-451-4822</p>				
<p>PUBLIC WORKS DEPARTMENT 5400 W. CIVIC CENTER DRIVE HIGHLAND CITY, UT 84003 TEL: 801-772-4515</p>				
<p><b>HIGHLAND CITY</b></p>				
DATE		10/17/25	DRAWN BY	CD
CHECKED BY		RMP	REVISIONS	BY
NO.				DATE

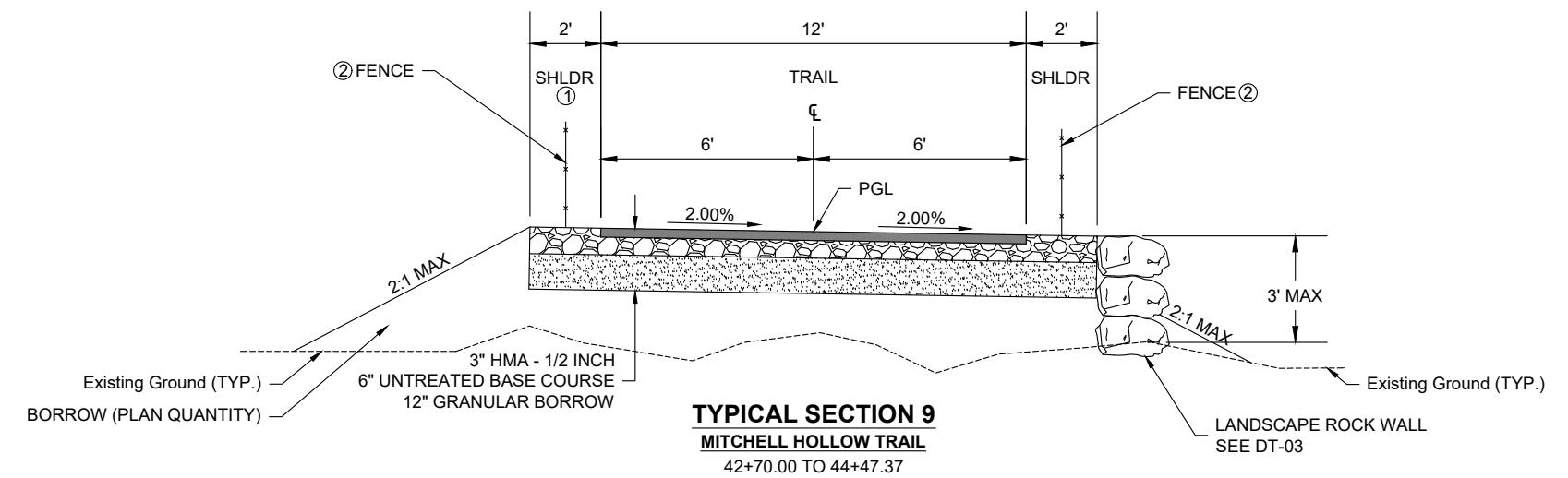


## **TYPICAL SECTION**

---

### **MITCHELL HOLLOW TRAIL**

27+93.00 TO 29+16.00  
41+37.00 TO 42+70.00  
DESIGN SPEED 15 MPH

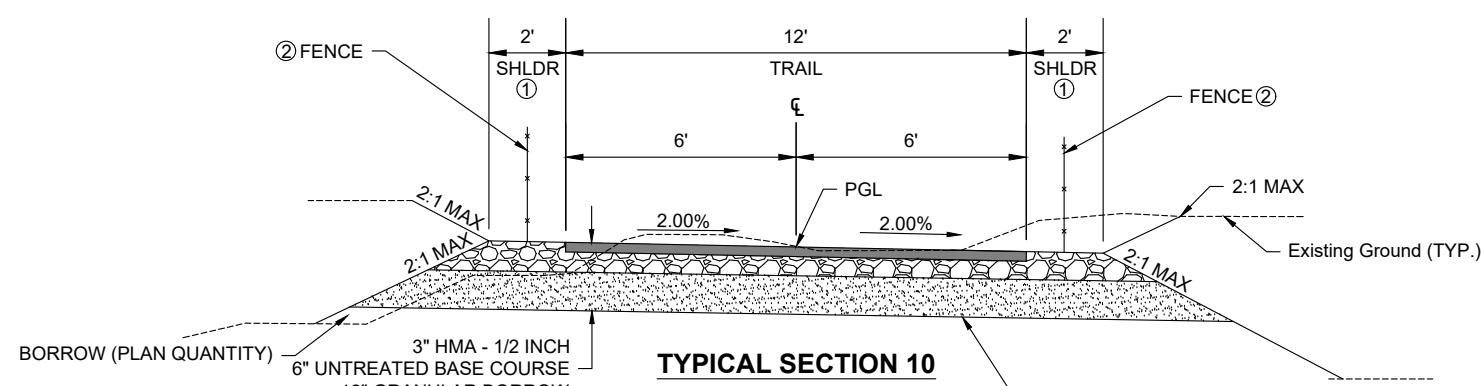


## **TYPICAL SECTION**

---

### **MITCHELL HOLLOW TRAIL**

42+70.00 TO 44+47.37  
DESIGN SPEED 15 MPH  
CLEAR ZONE 2 FT



## **TYPICAL SECTION 1**

---

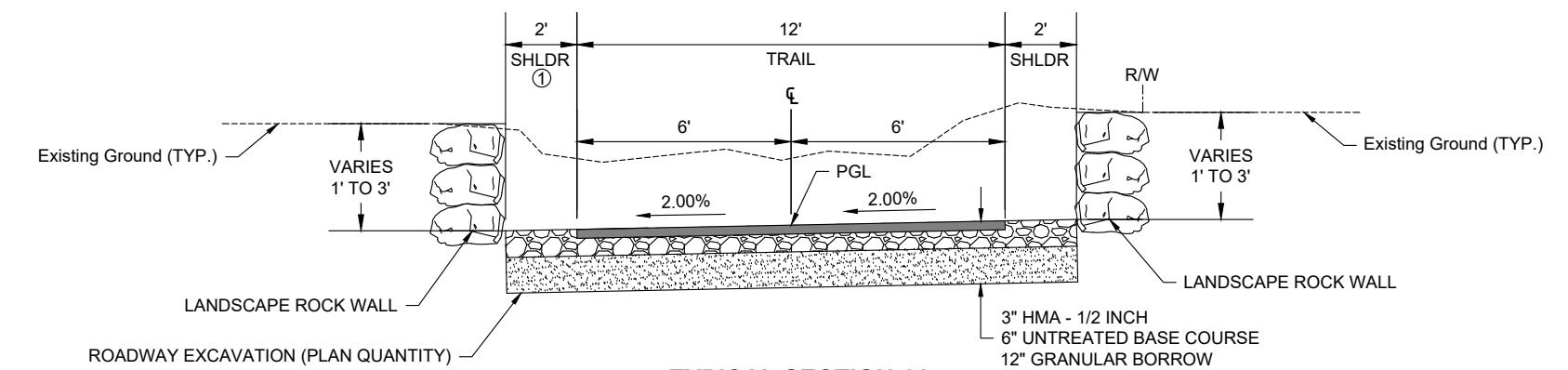
### **MITCHELL HOLLOW TRAIL**

20+90.00 TO 27+55.00  
29+16.00 TO 31+75.20  
48+02.00 TO 49+12.63  
DESIGN SPEED 15 MPH  
CLEAR ZONE 2 FT

## OTES:

- ① SEE TS-01 FOR SHOULDER DETAIL WHEN CUT CONDITION APPLIES.
- ② SEE PP SHEET SERIES FOR WHERE FENCE/SAFETY RAIL APPLIES.

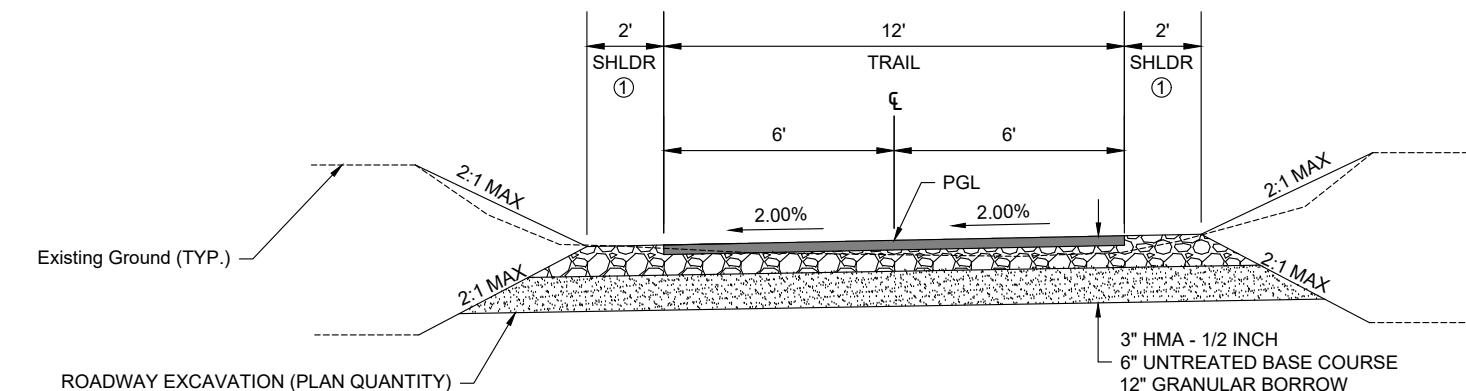
PROJECT	PROJECT NUMBER
SHEET	TS-03



### TYPICAL SECTION 11

#### MITCHELL HOLLOW TRAIL

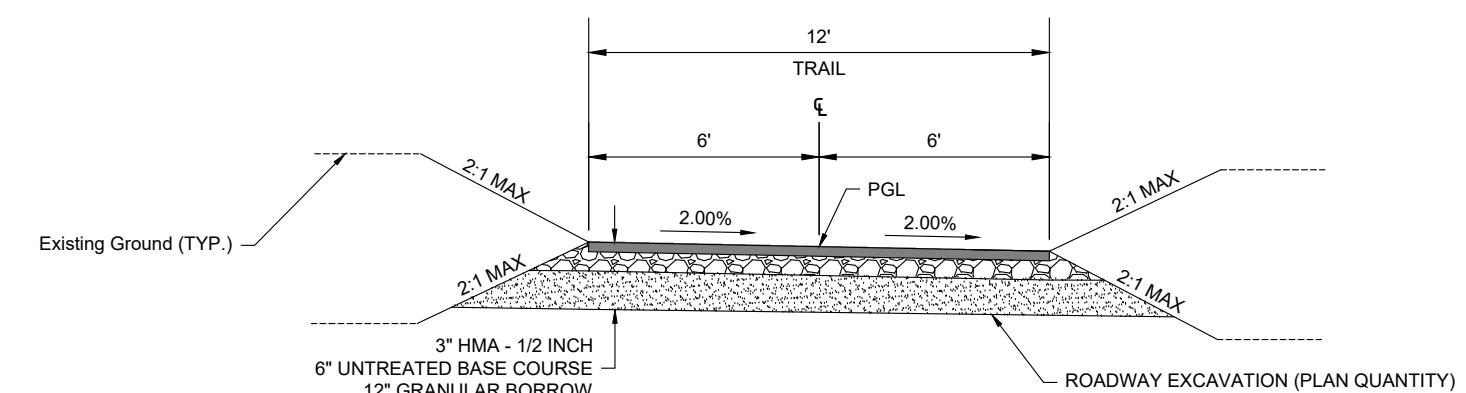
32+51.97 TO 32+90.00  
DESIGN SPEED 15 MPH  
CLEAR ZONE 2 FT



### TYPICAL SECTION 12

#### MITCHELL HOLLOW TRAIL

32+90.00 TO 41+37.00  
DESIGN SPEED 15 MPH  
CLEAR ZONE 2 FT



### TYPICAL SECTION 13

#### MITCHELL HOLLOW TRAIL

44+47.37 TO 48+02.00  
DESIGN SPEED 15 MPH  
CLEAR ZONE 2 FT

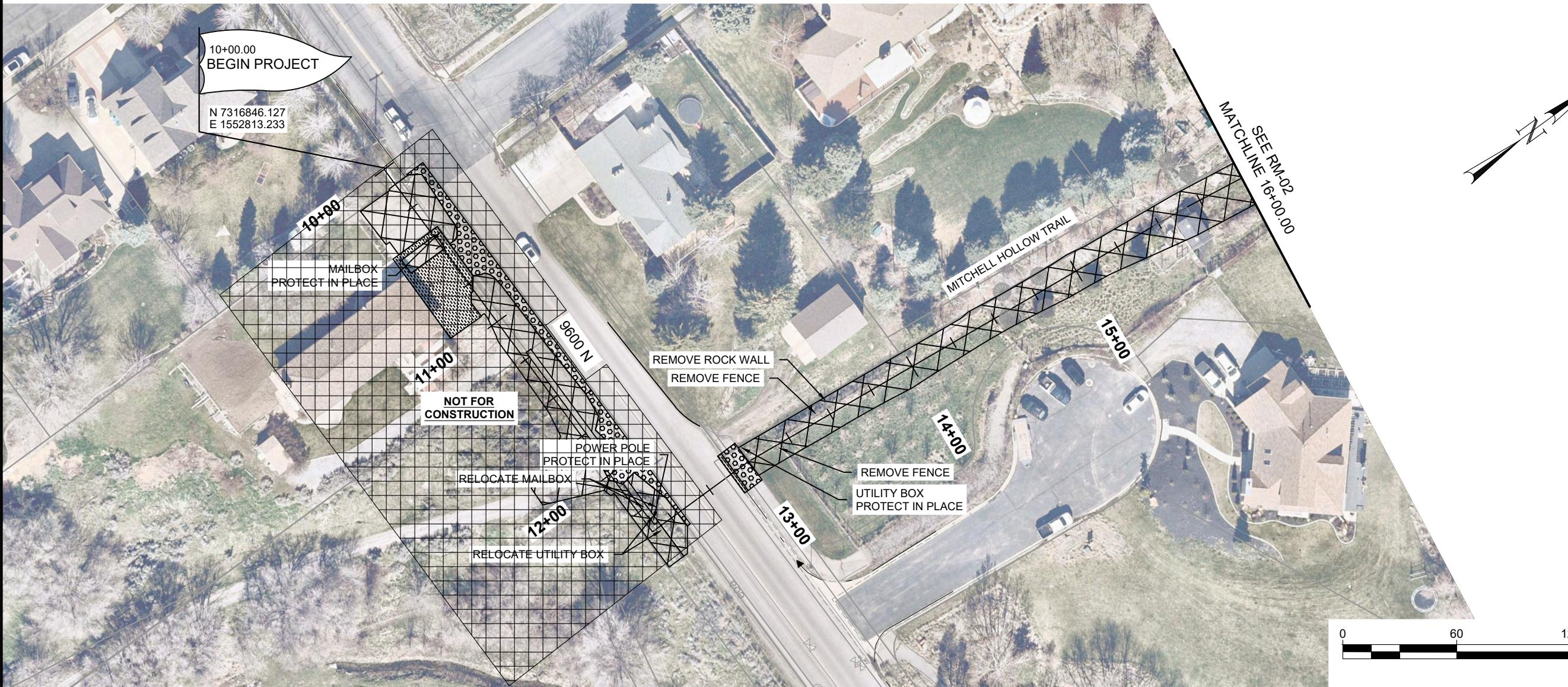
NOTES:

① SEE TS-01 FOR SHOULDER DETAIL  
WHEN CUT CONDITION APPLIES.

PROJECT	MITCHELL HOLLOW TRAIL	CONSOR	PROFESSIONAL ENGINEER
PROJECT NUMBER	D241185UT.00		
DATE	10/17/25	CD	CHECKED BY
REVISIONS		RMP	BY DATE

PUBLIC WORKS DEPARTMENT  
5400 W. CIVIC CENTER DRIVE  
HIGHLAND CITY, UT 84003  
Tel: 801-772-4515

**HIGHLAND CITY**

**NOTES:**

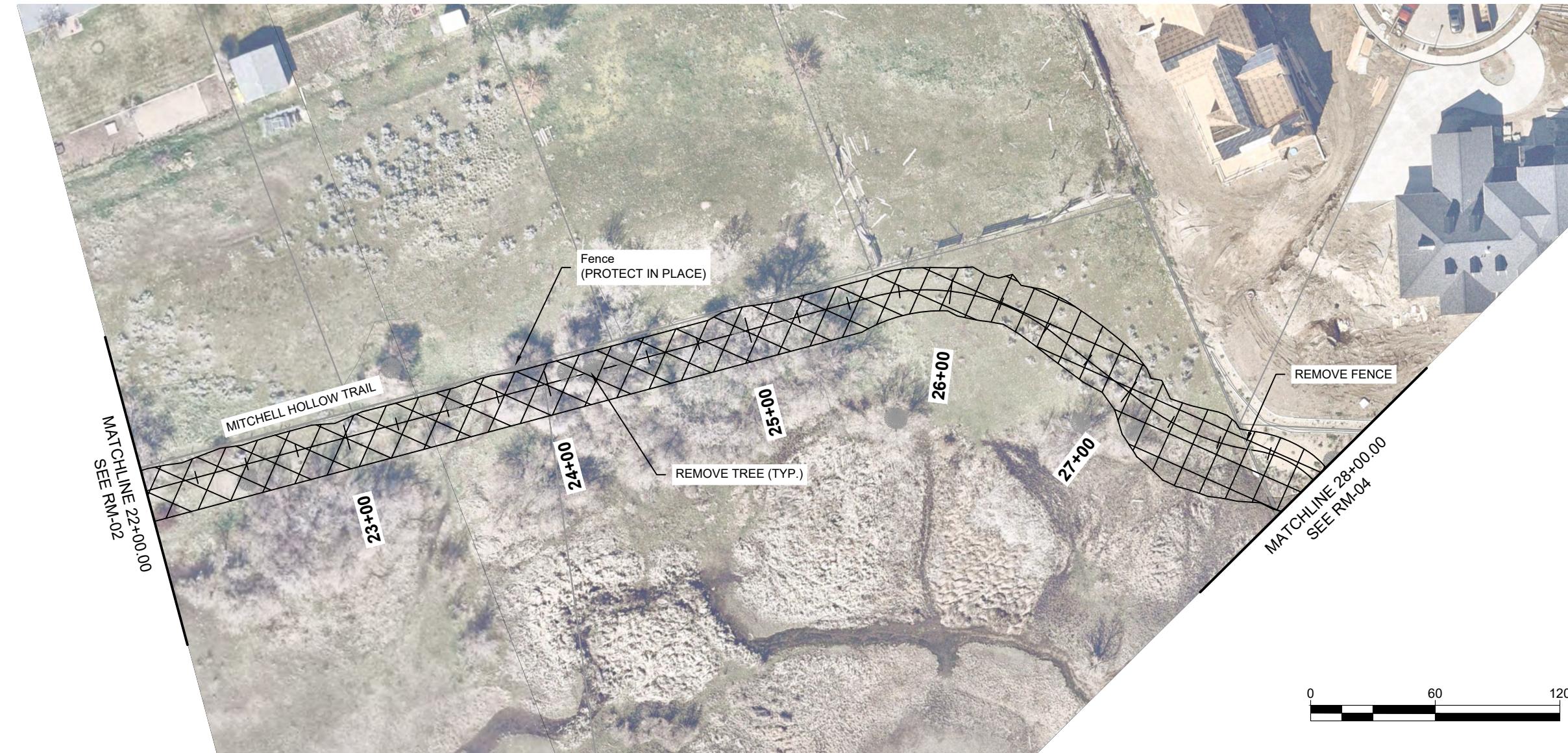
1. LUMEN NOTES:  
 1.1 LUMEN EMERGENCY CONTACT: SIGIFREDO MARTINEZ (SIGIFREDO.MARTINEZ@LUMEN.COM)  
 1.2 LUMEN CUT CABLE REPAIR HOT LINE (800)-788-3600. PRESS #2 PROMPT THEN #9 TO GET AN OPERATOR 24/7.

SHEET RM-01		PROJECT NUMBER	PROJECT NUMBER	DATE 10/17/25	DRAWN BY JBA	CHECKED BY DW/H NO.	REVISIONS BY	DATE
	<b>HIGHLAND CITY</b>	CONSOR NORTH AMERICA, INC.	38 E SCENIC POINTE DR, SUITE 300 DRAPE, UT 84020 Tel: 888-451-6822					
		PROFESSIONAL ENGINEER						
								
								

SEE RM-01  
MATCHLINE 16+00.00LEGEND

- CLEARING AND GRUBBING
- REMOVE ASPHALT
- REMOVE CONCRETE

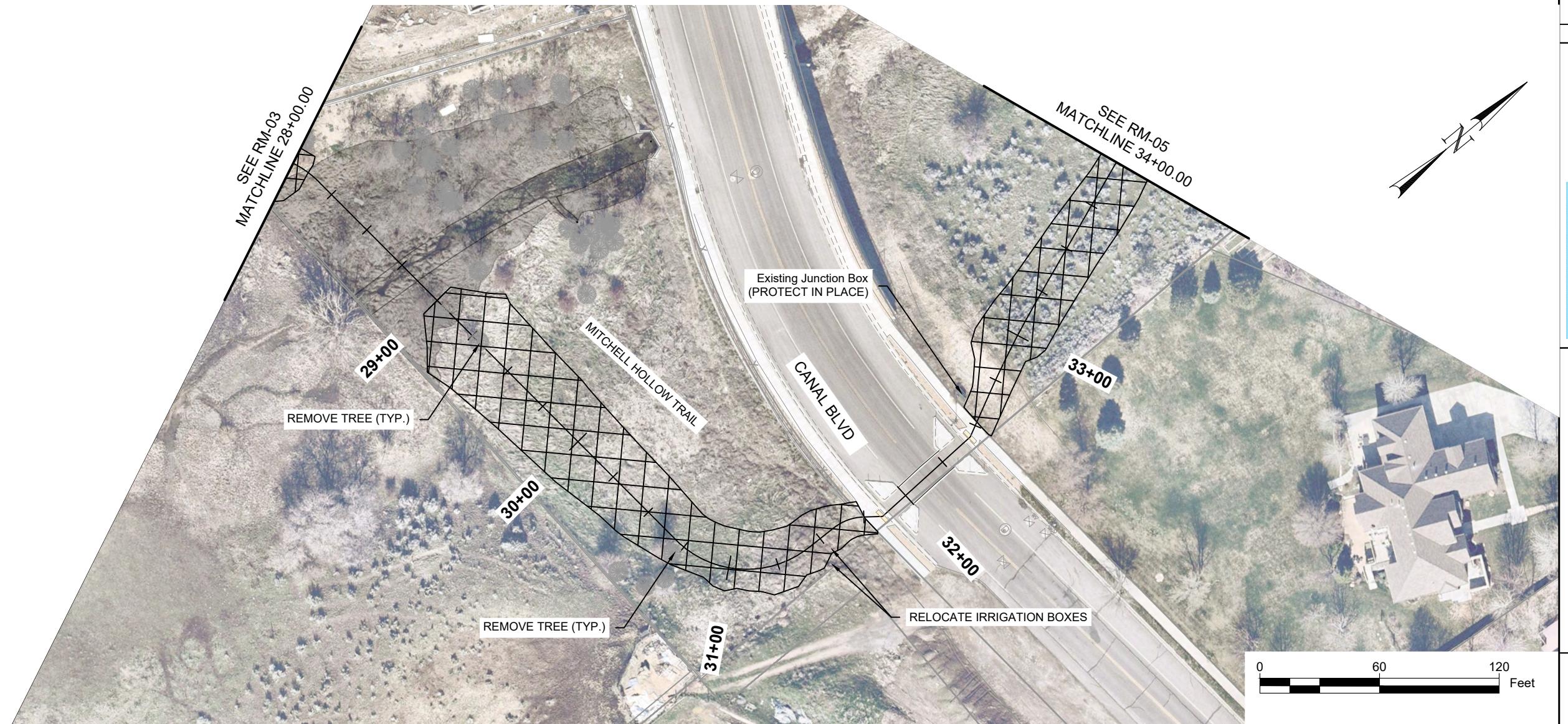
PROJECT		MITCHELL HOLLOW TRAIL		REMOVAL	
PROJECT NUMBER	D241185UT.00	PROFESSIONAL ENGINEER	RM-02		
DRAWN BY		CHECKED BY		DW/H	
DATE	10/17/25	JBA		NO.	REVISIONS
BY				BY	DATE
PUBLIC WORKS DEPARTMENT					
5400 W. CIVIC CENTER DRIVE					
HIGHLAND CITY, UT 84003					
Tel: 801-772-4515					
<b>HIGHLAND CITY</b>					
CONSOR					
CONSOR NORTH AMERICA, INC.					
38 E SCENIC POINTE DR, SUITE 300					
DRAPER, UT 84020					
Tel: 888-451-6822					
PROFESSIONAL ENGINEER					

**LEGEND**

- CLEARING AND GRUBBING
- REMOVE ASPHALT
- REMOVE CONCRETE

PROJECT	MITCHELL HOLLOW TRAIL	conisor	CONSOR NORTH AMERICA, INC.	PUBLIC WORKS DEPARTMENT
PROJECT NUMBER	D241185UT.00	PROFESSIONAL ENGINEER	38 E SCENIC POINTE DR, SUITE 300 DRAPER, UT 84020 Tel: 888-451-6822	5400 W. CIVIC CENTER DRIVE HIGHLAND CITY, UT 84003 Tel: 801-772-4515
REMOVAL		HIGHLAND CITY		REVISIONS
DATE	10/17/25	DRAWN BY	DW/H	BY
NO.	JBA	CHECKED BY		DATE

RM-03



## LEGEND

-  CLEARING AND GRUBBING
-  REMOVE ASPHALT
-  REMOVE CONCRETE

Oct 17, 2025 - 12:02pm

A:\\_V-TPD\Projects\U7\Highland City\2024\Design\Roadway\Design\Sheets\D241185UT.00 - Mitchell Hollow Removal Sheets.dwg



## LEGEND

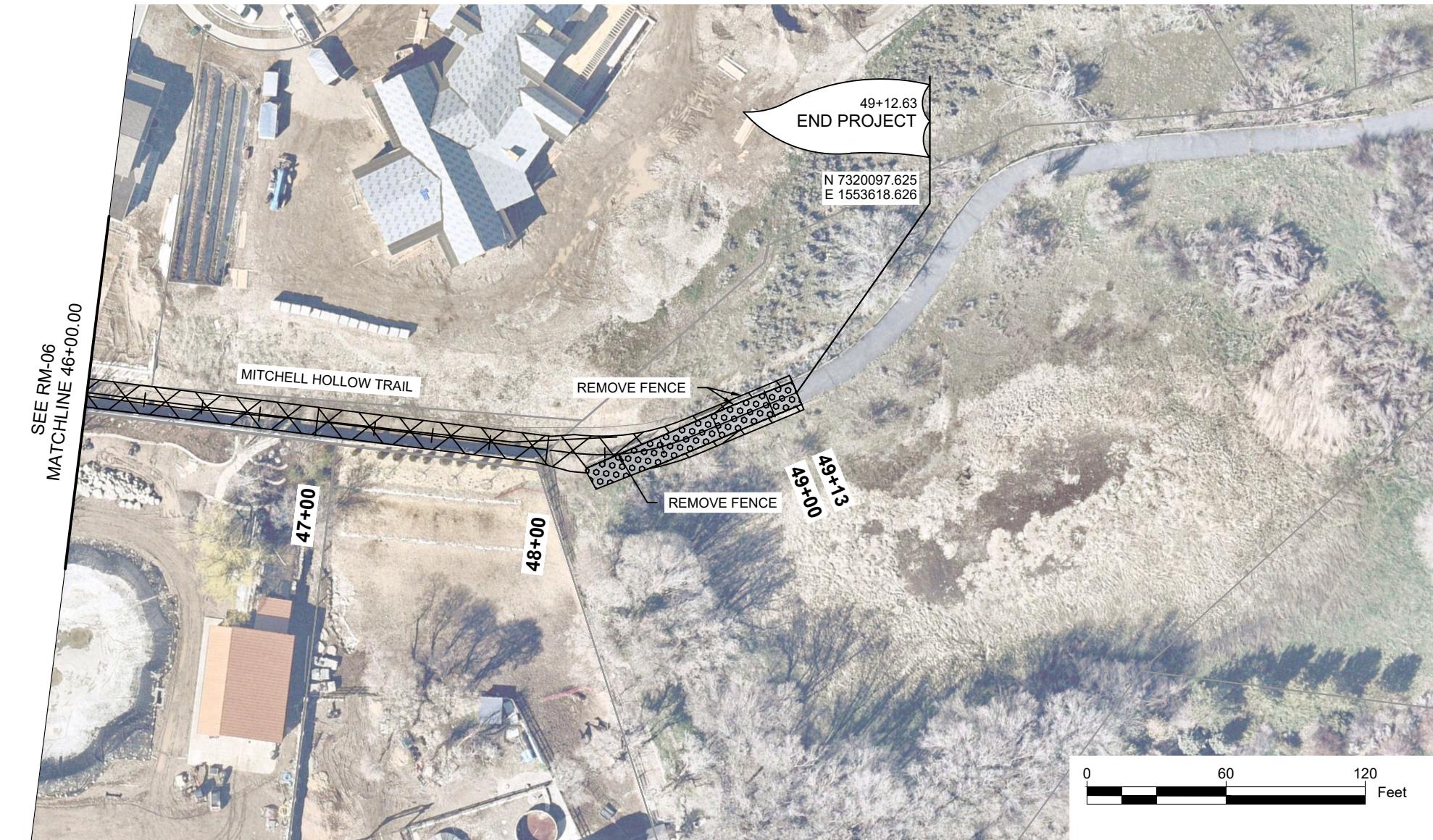
-  CLEARING AND GRUBBING
-  REMOVE ASPHALT
-  REMOVE CONCRETE



LEGEND

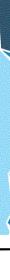
- CLEARING AND GRUBBING
- REMOVE ASPHALT
- REMOVE CONCRETE

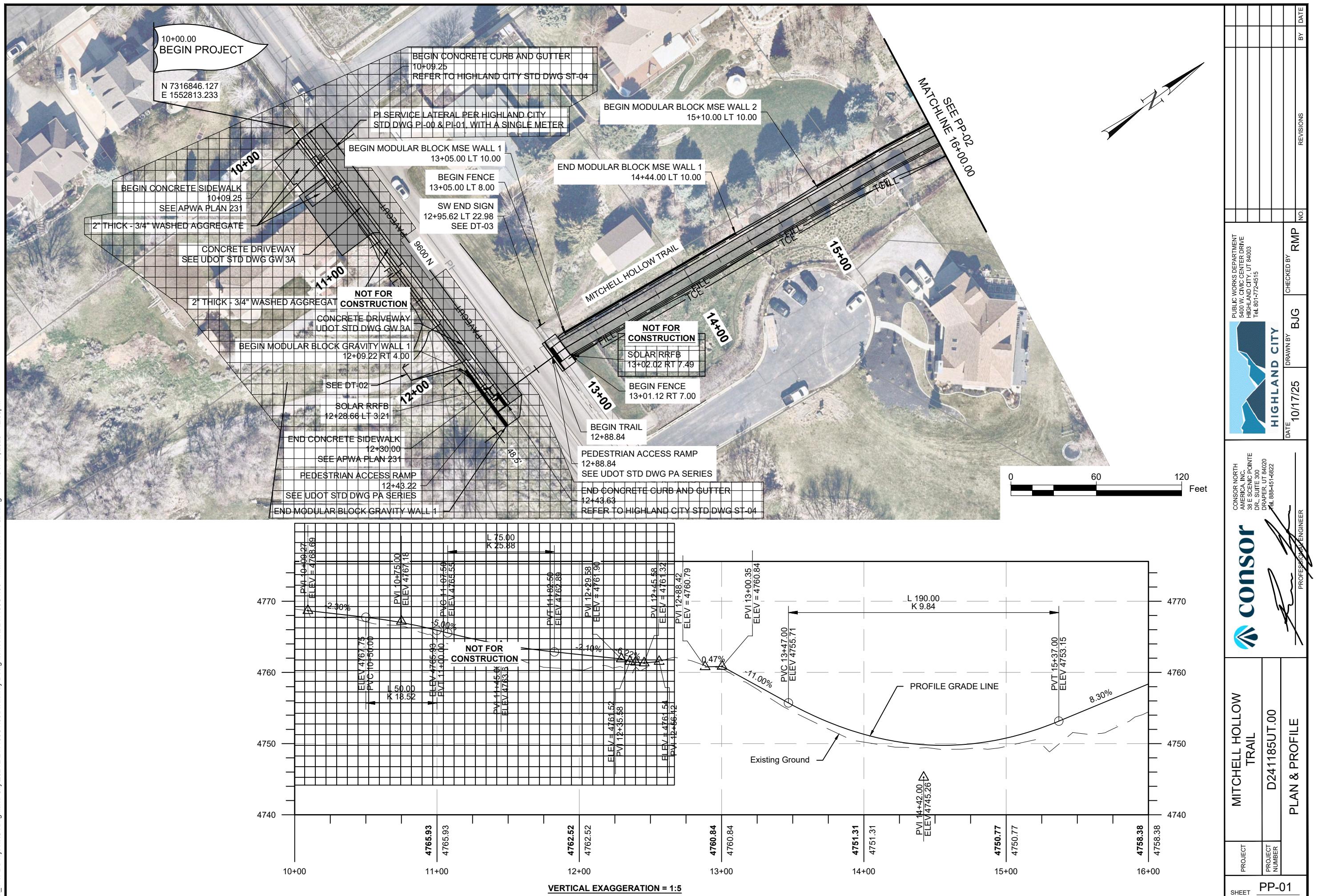
PROJECT		MITCHELL HOLLOW TRAIL		CONSOR		HIGHLAND CITY	
PROJECT NUMBER	RM-06	D241185UT.00	REMOVAL	CONSOR NORTH AMERICA, INC.	38 E SCENIC POINTE DR, SUITE 300 DRAPER, UT 84020 Tel: 888-451-6822	PROFESSIONAL ENGINEER	DATE 10/17/25 DRAWN BY JBA CHECKED BY DW/H NO. REVISIONS BY DATE

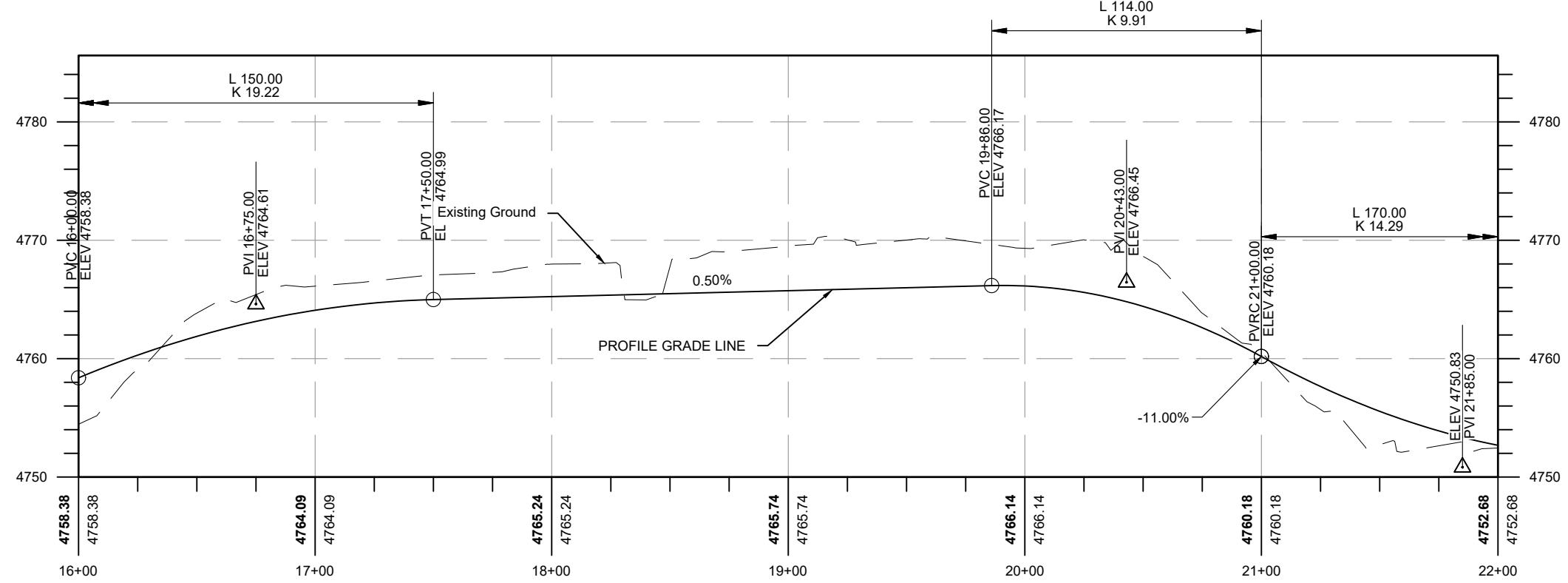


## LEGEND

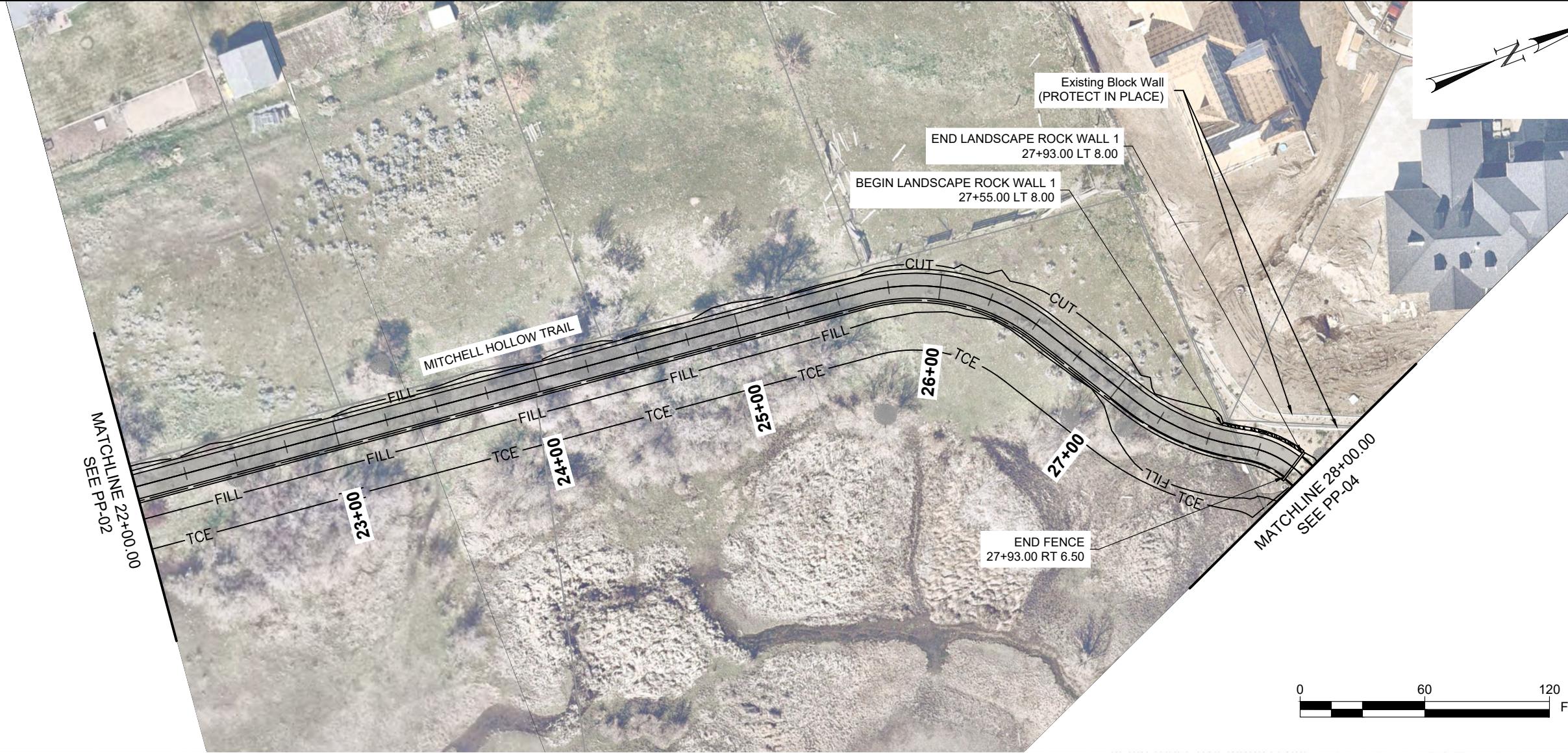
-  CLEARING AND GRUBBING
-  REMOVE ASPHALT
-  REMOVE CONCRETE

PROJECT NUMBER	MICHAEL HOLLOW TRAIL	REMOVAL
PROJECT NUMBER	D241185UT.00	REVISIONS
DATE	10/17/25	BY
DRAWN BY	JBA	DATE
CHECKED BY	DWH	
NO.		
CONSOR		
 <b>conson</b>		
 <b>HIGHLAND CITY</b>		
CONSOR NORTH AMERICA, INC. 38 E. SCENIC POINTE DR., SUITE 300 DRAPER, UT 84020 Tel. 888-451-4822		
PUBLIC WORKS DEPARTMENT 5400 W. CIVIC CENTER DRIVE HIGHLAND CITY, UT 84003 Tel. 801-772-4515		

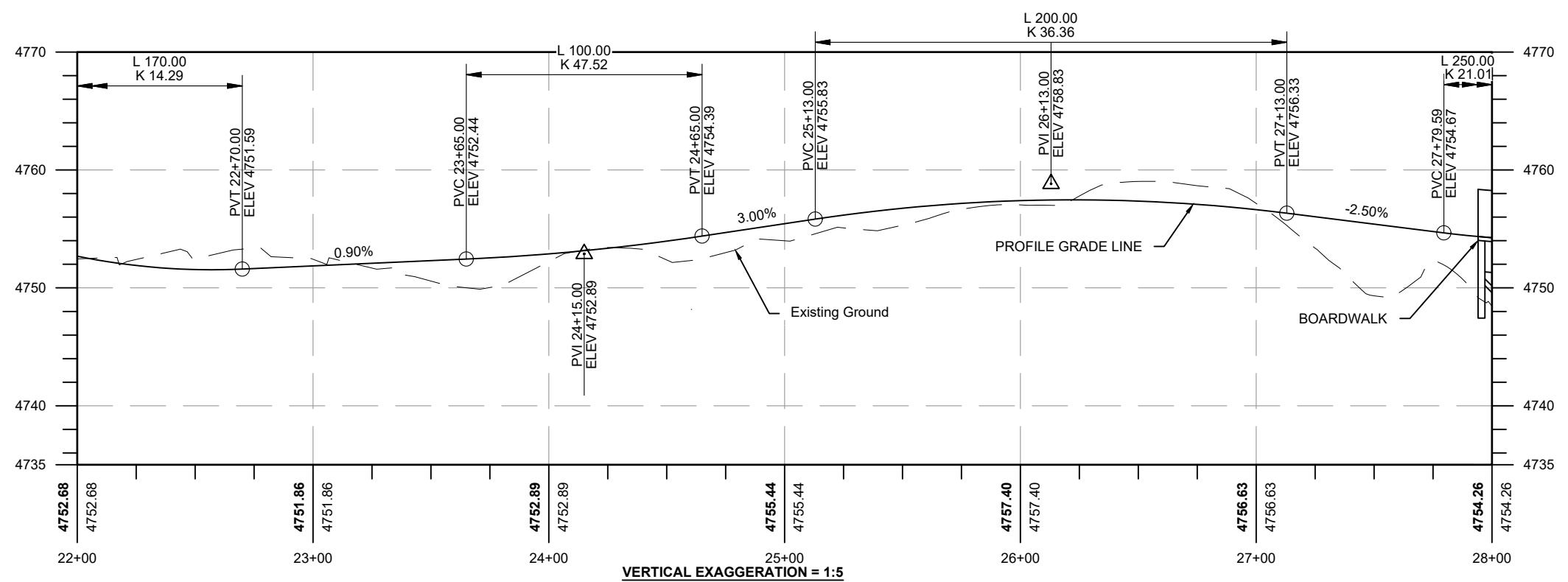




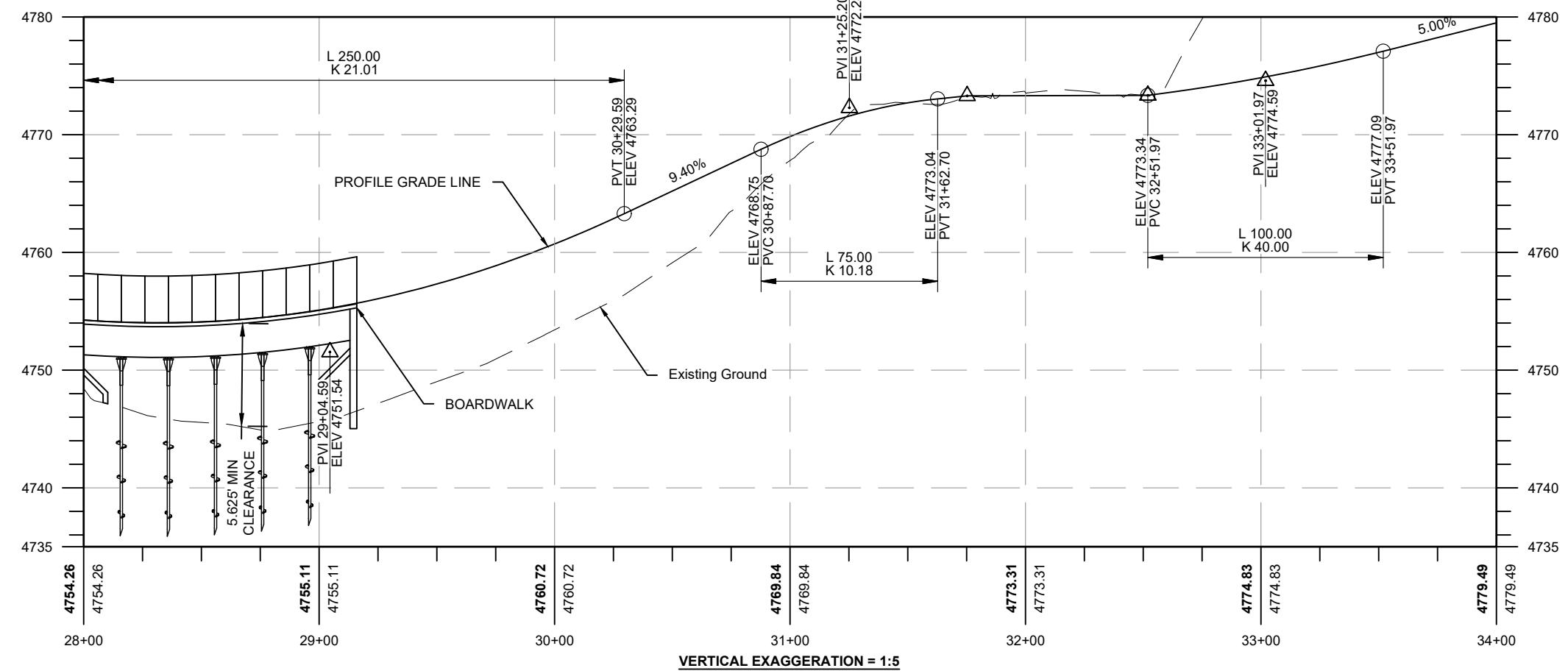
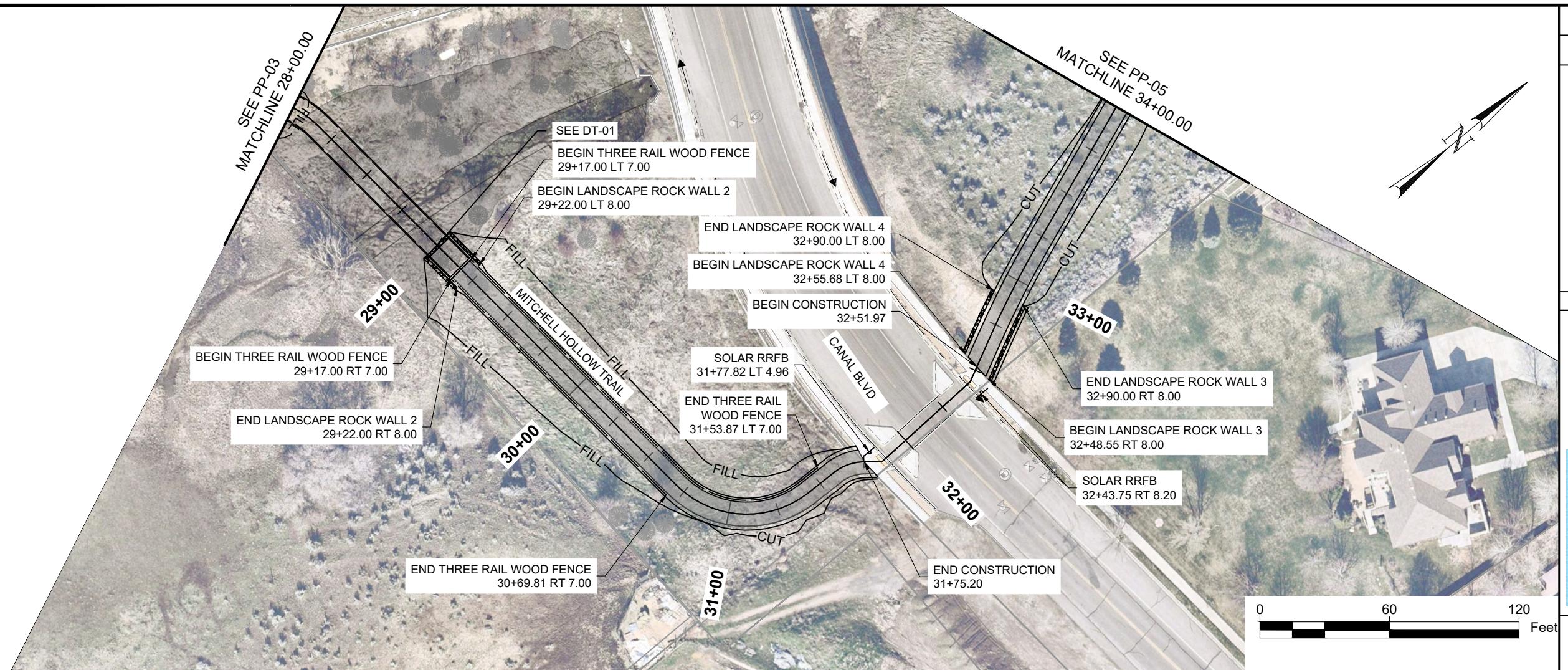
PROJECT		MITCHELL HOLLOW TRAIL		CONSOR	
PROJECT NUMBER		D241185UT00		 <b>CONSOR</b> CONSOR NORTH AMERICA, INC. 38 E SCENIC POINTE DR, SUITE 300 DRAPER, UT 84020 Tel: 888-451-4822	
SHEET		PP-02		 <b>HIGHLAND CITY</b> CONSOR NORTH AMERICA, INC. 38 E SCENIC POINTE DR, SUITE 300 DRAPER, UT 84020 Tel: 888-451-4822	
DATE		10/17/25		DRAWN BY BJG	
PROFESSIONAL ENGINEER				CHECKED BY RMP NO.	
REVISIONS				BY DATE	

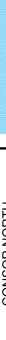


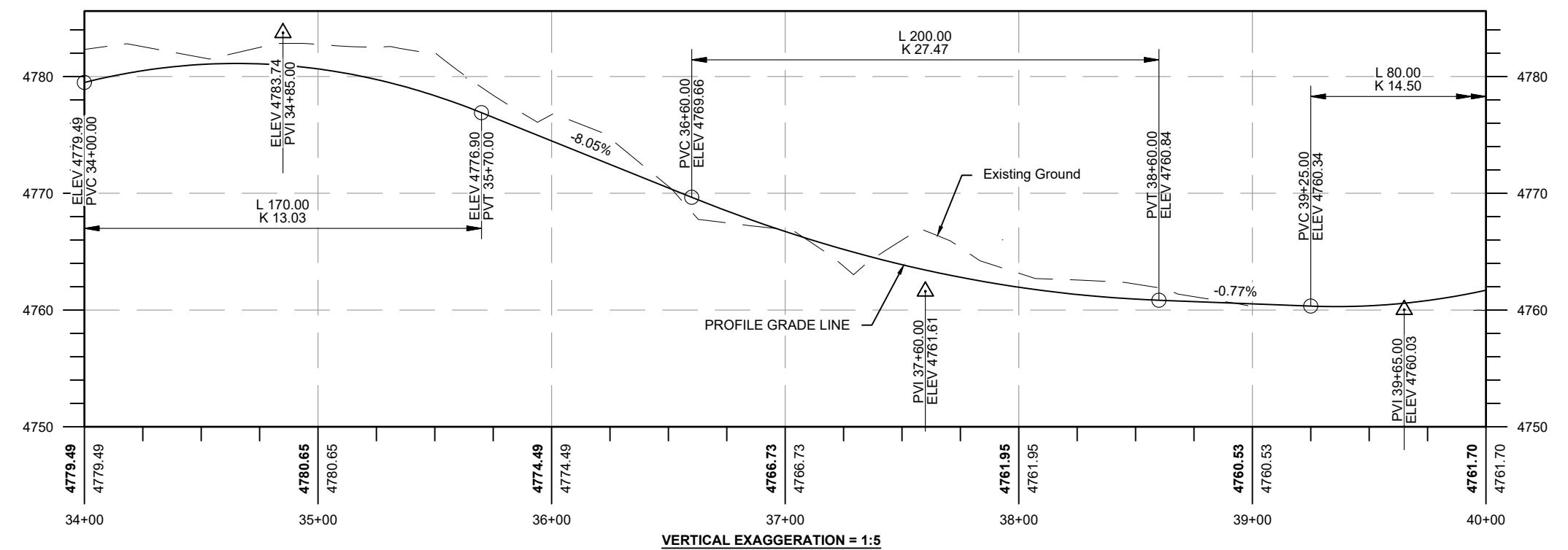
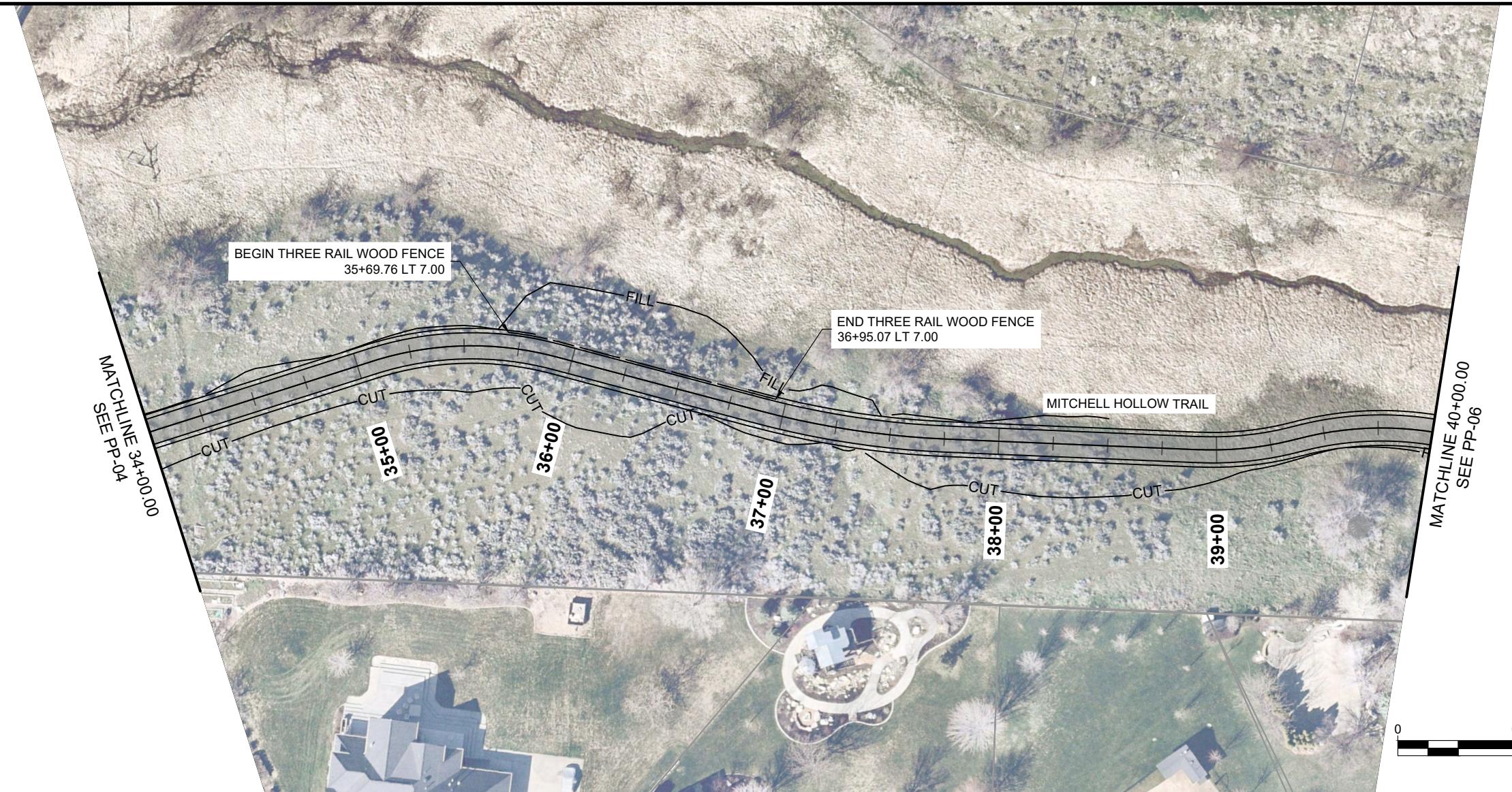
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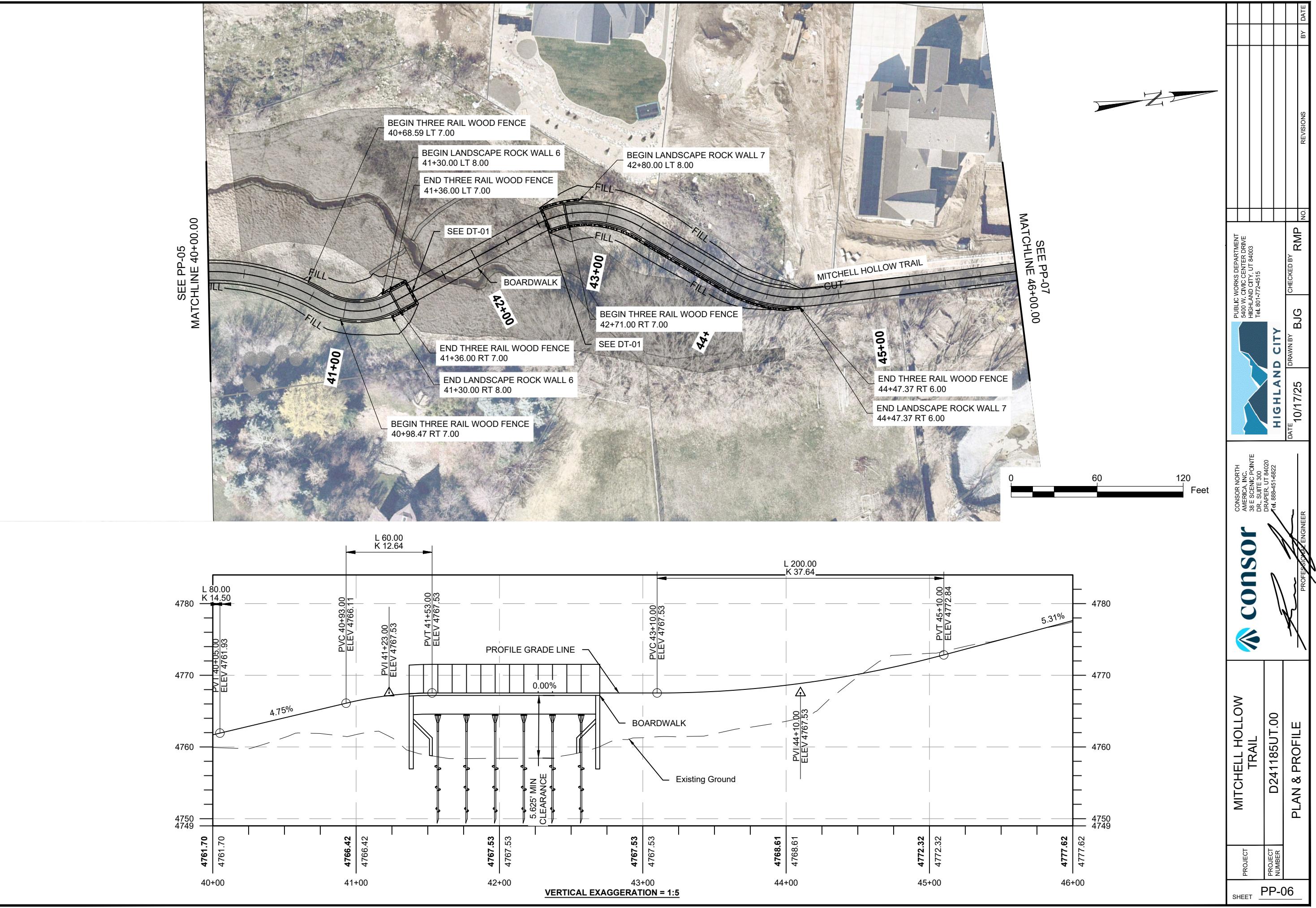
PLAN & PROFILE		PP-03		SHEET	
PROJECT NUMBER	PP-03	PROJECT NUMBER	PP-03	REVISIONS	BY DATE
CONSOR NORTH AMERICA, INC.	HIGHLAND CITY	CONSOR NORTH AMERICA, INC.	HIGHLAND CITY	CONSOR ENGINEER	PROFESSIONAL ENGINEER
38 E SCENIC POINTE DR, SUITE 300 DRAPE, UT 84020 Tel: 888-451-6822	DATE 10/17/25	DRAWN BY BJG	CHECKED BY RMP	NO. 1	BY DATE
PUBLIC WORKS DEPARTMENT 5400 W. CIVIC CENTER DRIVE HIGHLAND CITY, UT 84003 Tel: 801-772-4515					

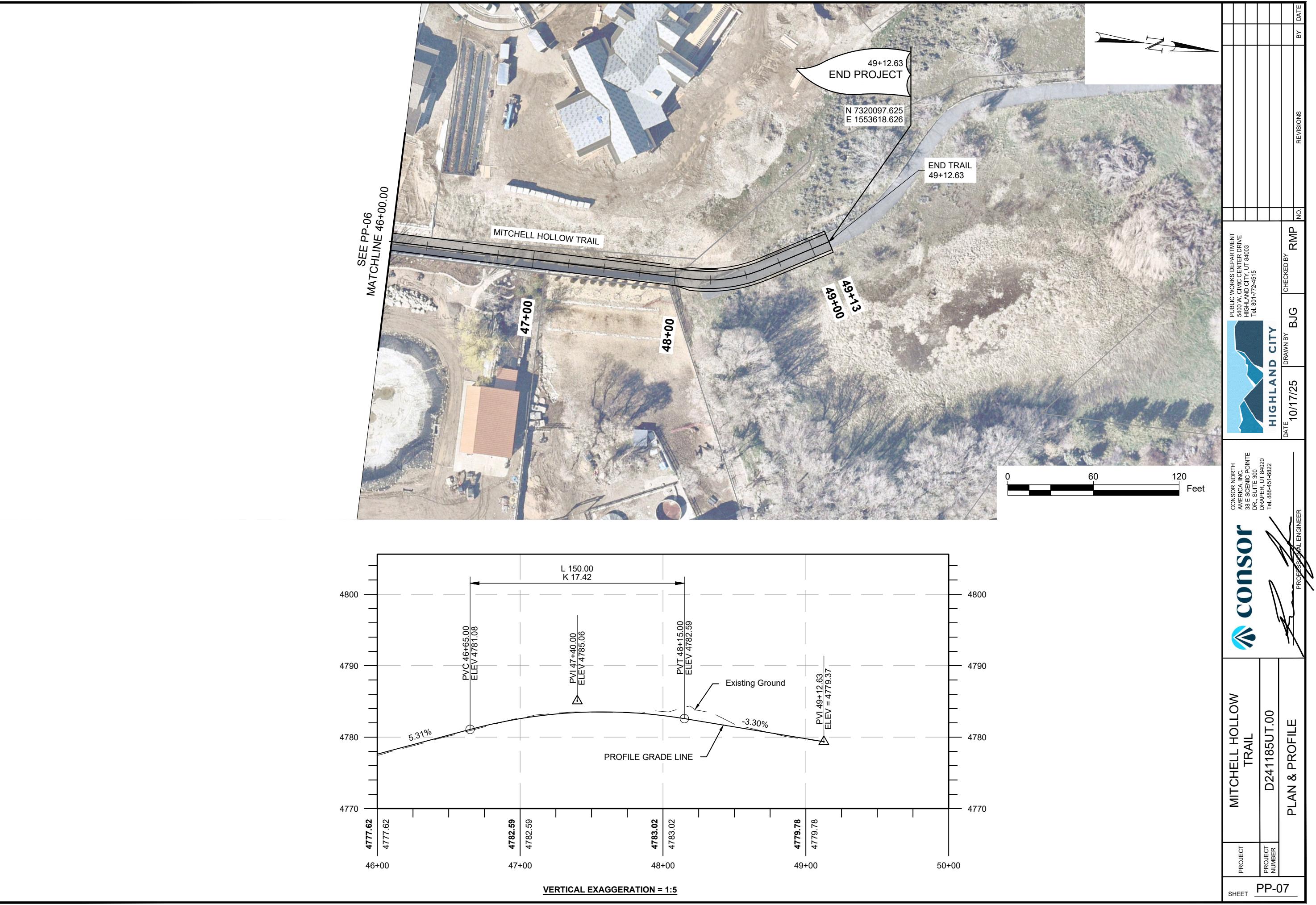


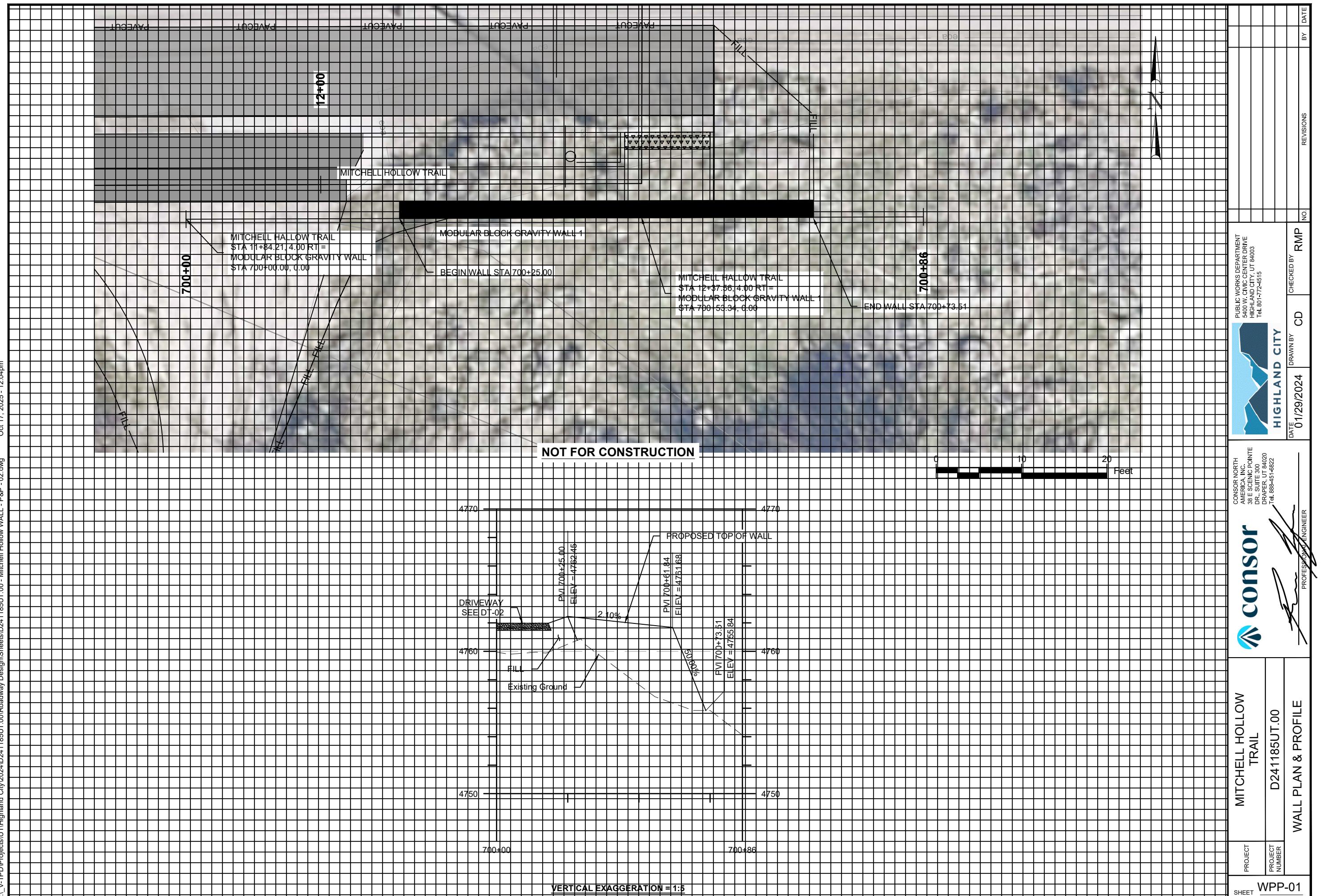
PROJECT		MITCHELL HOLLOW TRAIL		CONSOR	
PROJECT NUMBER		D241185UT.00		 <b>CONSOR</b> CONSOR NORTH AMERICA, INC. 38 E SCENIC POINTE DR., SUITE 300 DRAPE, UT 84020 Tel. 080451-6322	
PROJECT SHEET		PLAN & PROFILE		 <b>HIGHLAND CITY</b> PUBLIC WORKS DEPARTMENT 5400 W. CMC CENTER DRIVE HIGHLAND CITY, UT 84003 Tel. 801-772-4515	
PP-04		DATE	10/17/25	DRAWN BY	BJG
		PROFESSIONAL ENGINEER		CHECKED BY	RMP
				REVISIONS	NO.
				BY	DATE

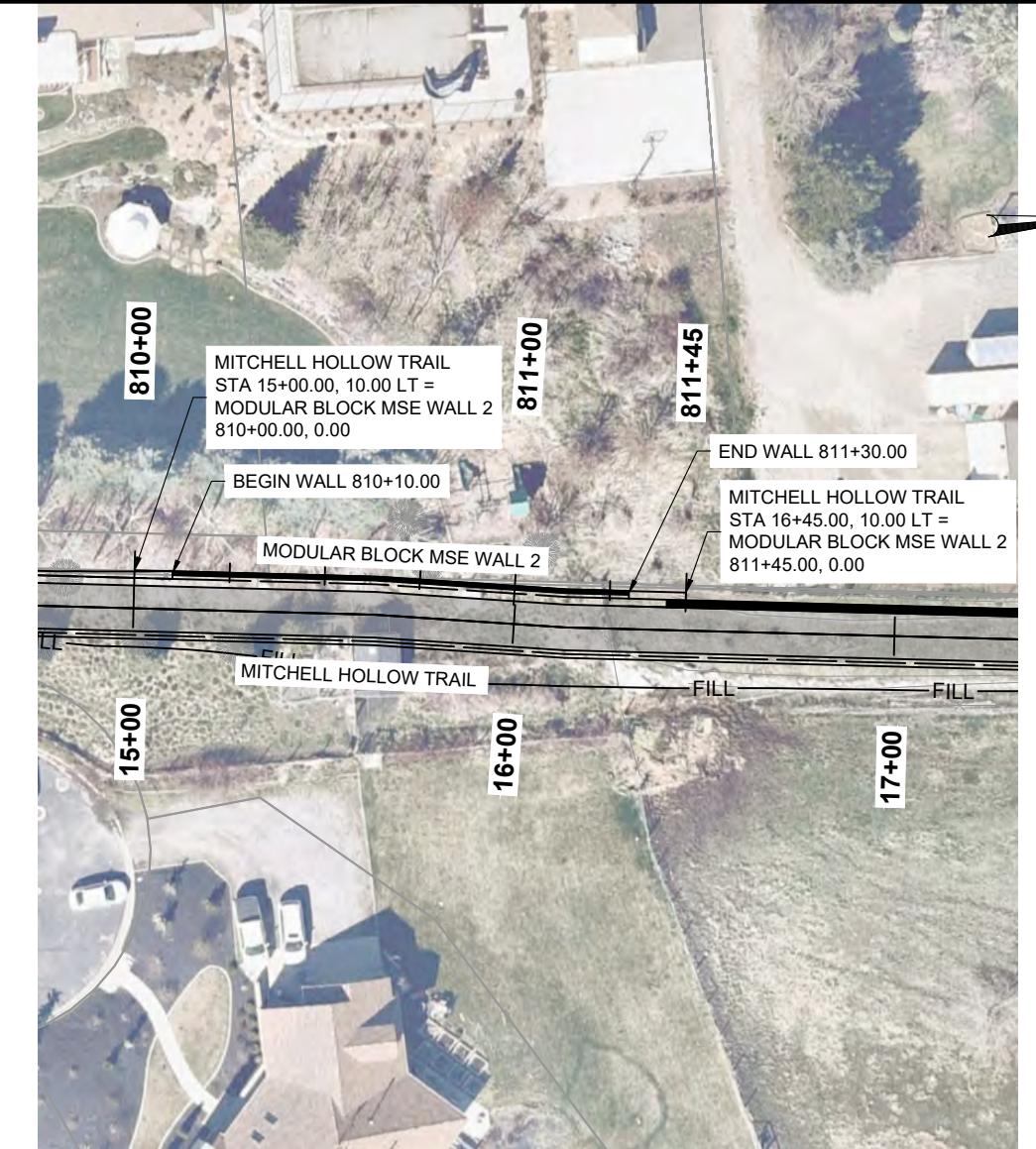
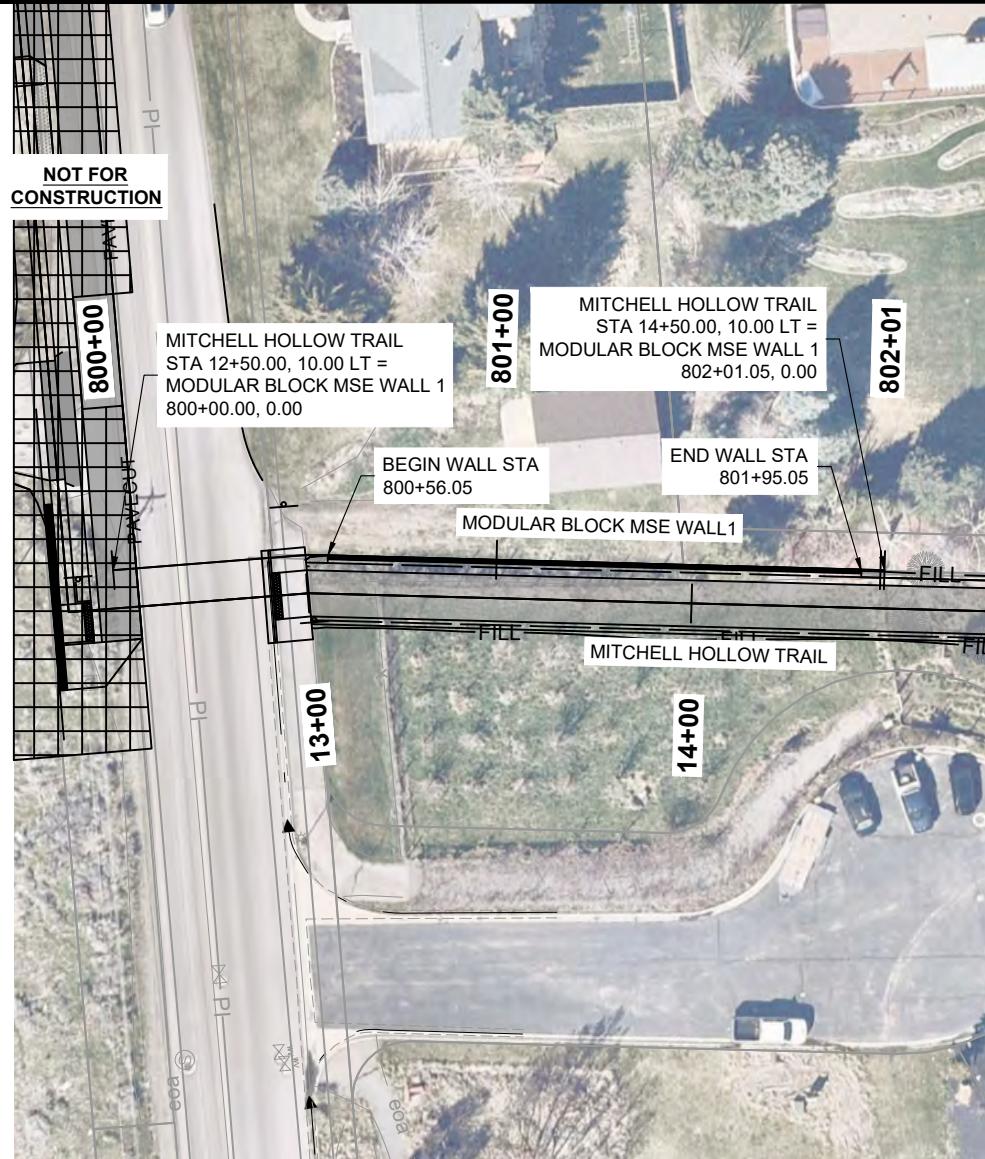


PROJECT		MITCHELL HOLLOW TRAIL		CONSOR		HIGHLAND CITY	
PROJECT NUMBER	D241185UT.00	 <b>consor</b>		CONSOR NORTH AMERICA, INC. 38 E SCENIC POINTE DR., SUITE 300 DRAPE, UT 84020 TEL: 801-774-5115		DATE 10/17/25	DRAWN BY BJG
SHEET PP-05		PLAN & PROFILE		PROFESSIONAL ENGINEER <i>[Signature]</i>	REVISIONS NO.	REVISIONS NO.	BY DATE
				RECHECKED BY RMP			

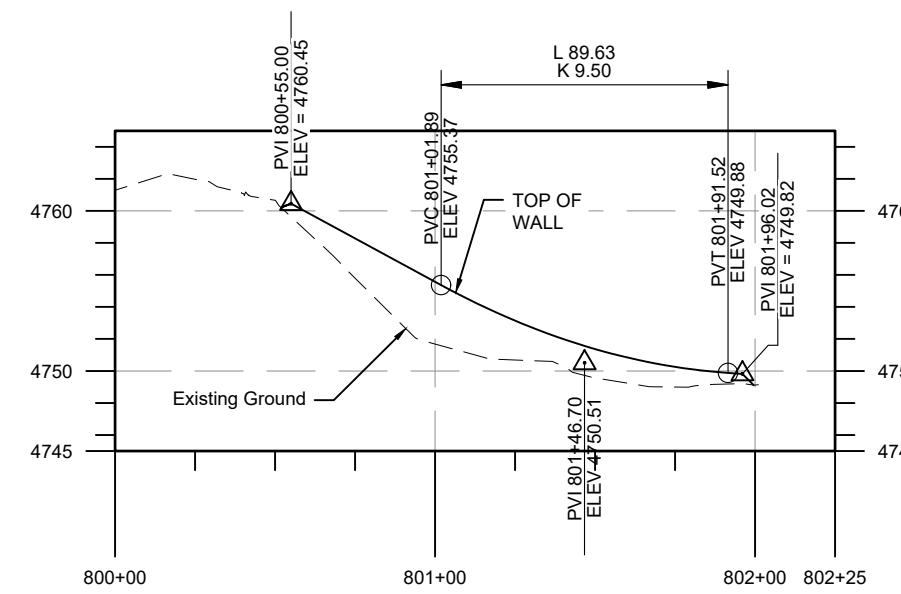






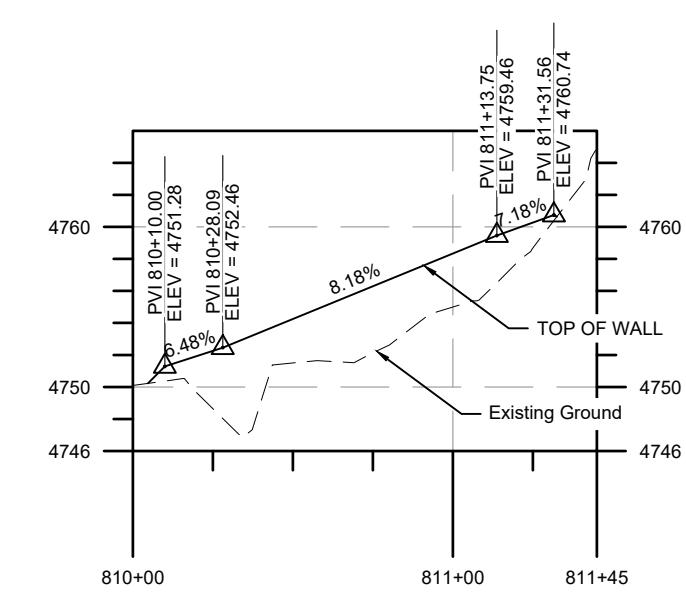


0 50 100 Feet



**NOTE:**  
BACK OF WALL PROFILE SHOWN. WALL WILL RETAIN SOIL  
UNDER TRAIL. SEE TYPICAL SECTION 3.

**VERTICAL EXAGGERATION = 1:5**



**NOTE:**  
BACK OF WALL PROFILE SHOWN. WALL WILL RETAIN SOIL  
UNDER TRAIL. SEE TYPICAL SECTION 3.

PROJECT NUMBER	MITCHELL HOLLOW TRAIL D241185UT.00	DRAWN BY	CD	CHECKED BY	RMP NO.	REVISIONS BY	DATE

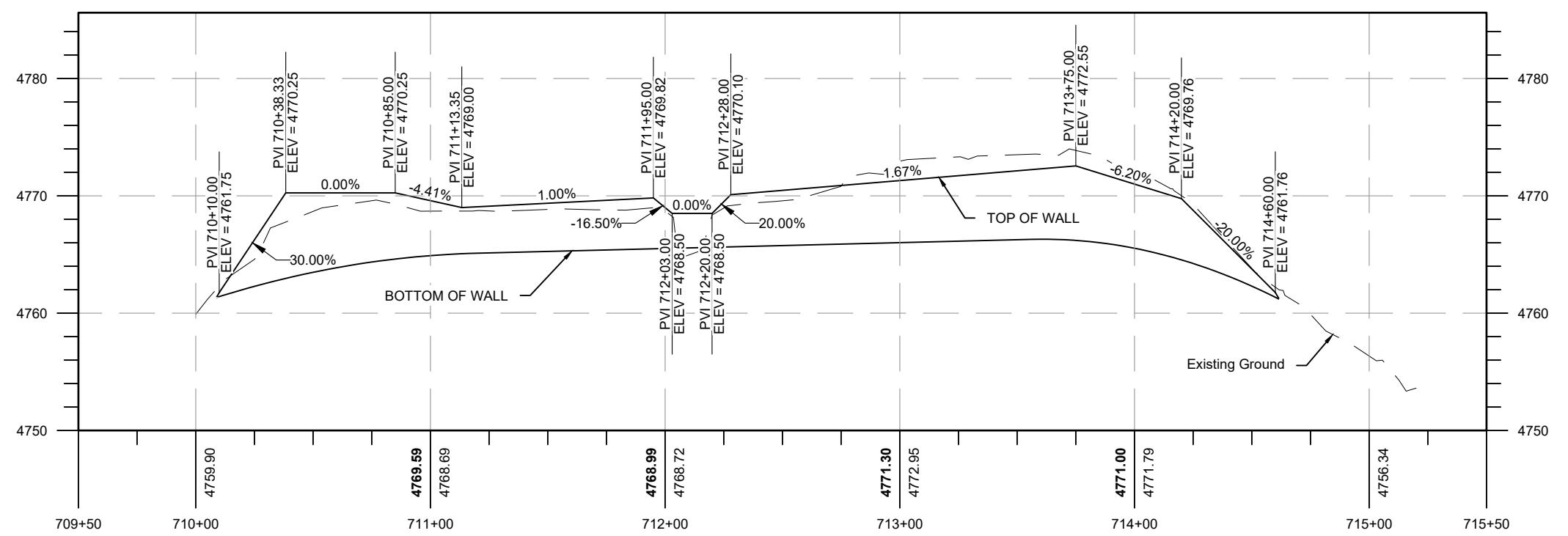
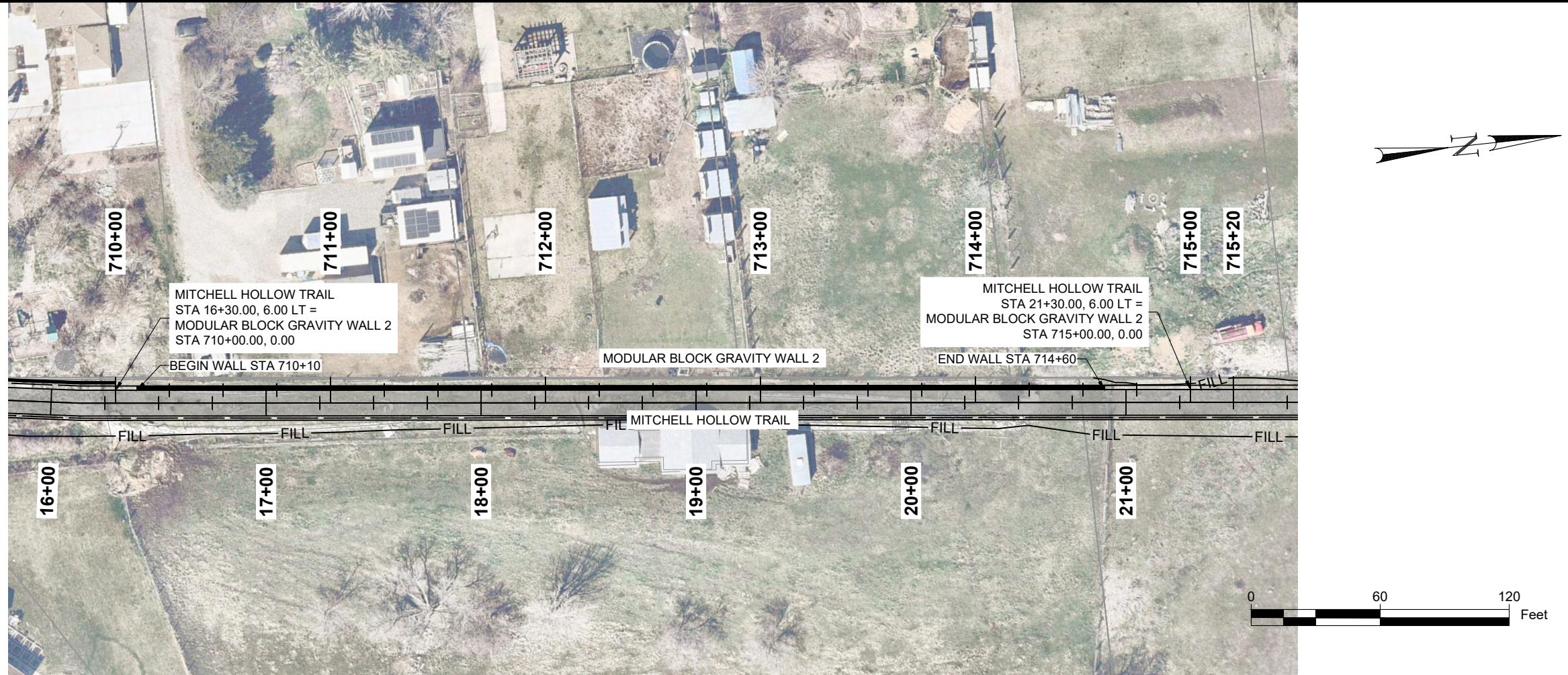
**HIGHLAND CITY**

**CONSOR**

**CONSOR NORTH AMERICA, INC.**  
385 SCENIC POINTE DR, SUITE 300 DRAPER, UT 84020 Tel: 800-451-48222

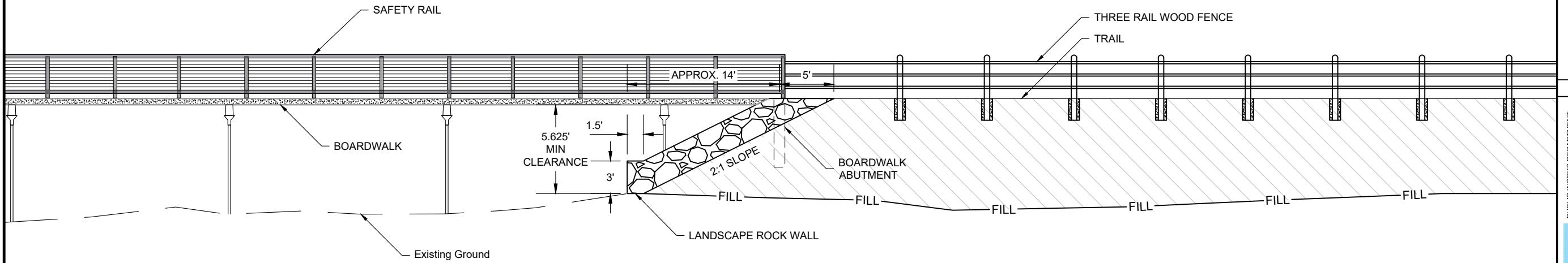
**PROFESSIONAL ENGINEER**

**WPP-02**

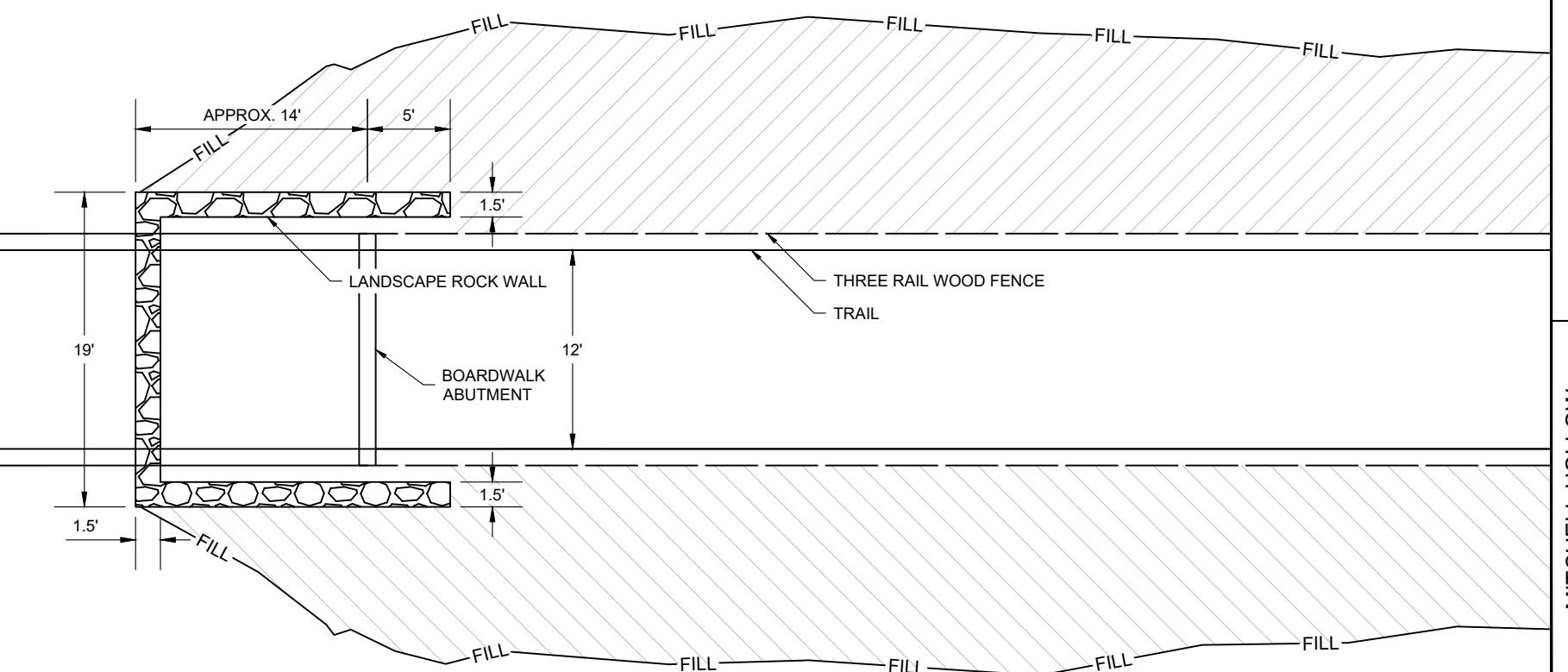


### **VERTICAL EXAGGERATION = 1:5**

PROJECT		MITCHELL HOLLOW TRAIL		CONSOR		HIGHLAND CITY		WALL PLAN & PROFILE	
PROJECT NUMBER		D241185UT.00		CONSOR NORTH AMERICA, INC. 38 E SCENIC POINTE DR, SUITE 300 DRAPER, UT 84020 Tel: 888-454-6822		HIGHLAND CITY		WALL PLAN & PROFILE	
SHEET		WPP-03		PUBLIC WORKS DEPARTMENT 5400 W. CMC CENTER DRIVE HIGHLAND CITY, UT 84003 Tel: 801-772-4515		DATE 01/29/2024		DRAWN BY CD	
						CHECKED BY RMP		REVISIONS NO.	
								BY DATE	



LANDSCAPE ROCK WALL AT BOARDWALK ABUTMENTS ELEVATION VIEW



LANDSCAPE ROCK WALL AT BOARDWALK ABUTMENTS PLAN VIEW

**NOTES:**

1. BOARDWALK DRAWN FOR REFERENCE ONLY.

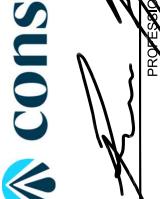
REVISIONS  
NO.  
REVISIONS  
NO.

PUBLIC WORKS DEPARTMENT  
HIGHLAND CITY, UT 84003  
Tel: 801-772-4515



DATE 10/17/25 DRAWN BY CD CHECKED BY RMP  
NO.

CONSOR  
PROFESSIONAL ENGINEERS



MITCHELL HOLLOW  
TRAIL  
DETAIL  
PROJECT NUMBER D241185UT.00  
SHEET DT-01

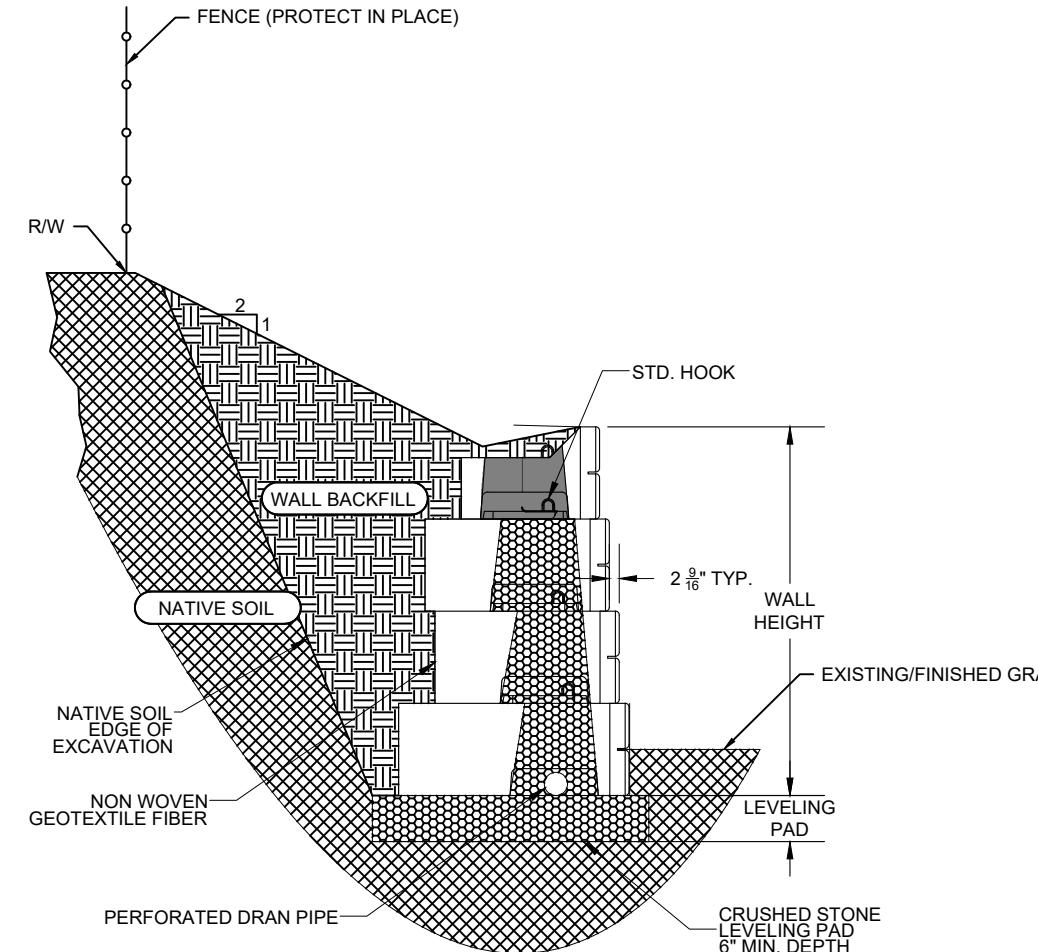
PROJECT NUMBER  
SHEET DT-01



**NOTES:**

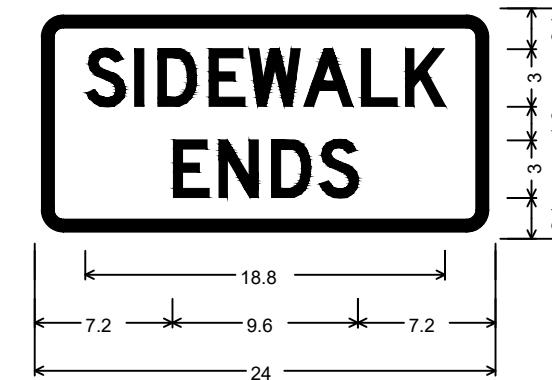
NEGATIVE SLOPE INDICATES DOWNWARD SLOPE.

SHEET DT-02



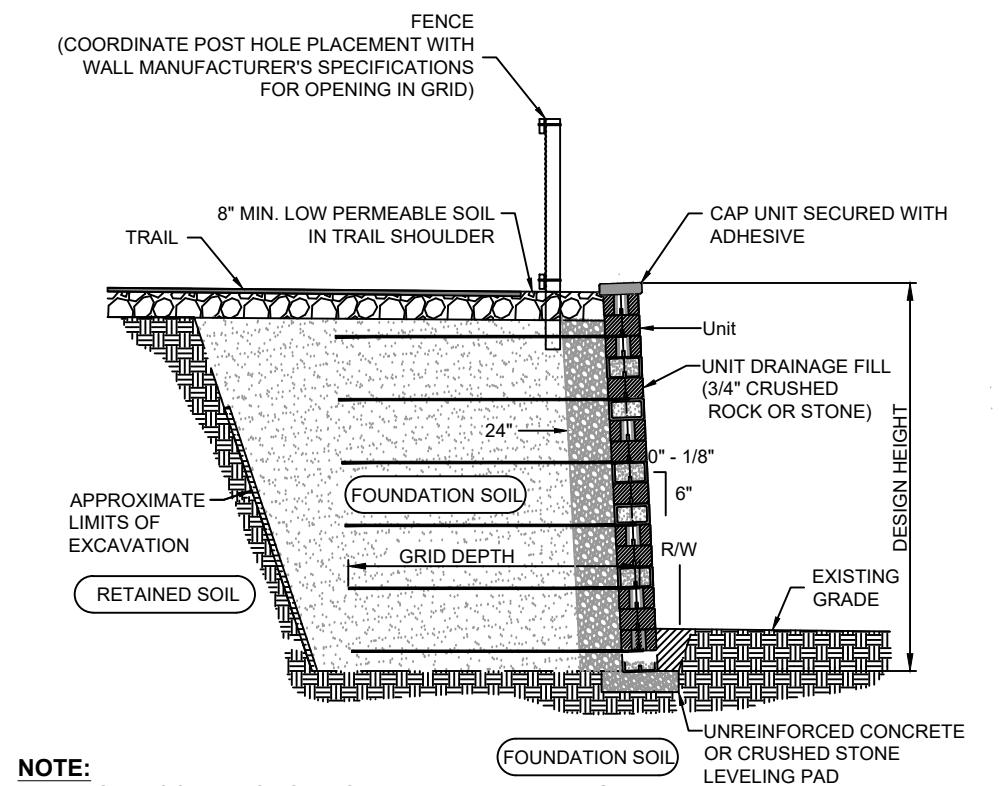
#### MODULAR BLOCK GRAVITY WALL TYPICAL SECTION

MODULAR BLOCK GRAVITY WALL 2 SHOWN, MODULAR BLOCK GRAVITY WALL 1 SIMILAR  
USE VERTI-BLOCK MODULAR BLOCK UNITS OR APPROVED EQUAL. MEET ALL  
REQUIREMENTS OF UDOT STD SPECIFICATION 02839.



R9-9\_24x12 (MOD);  
1.5" Radius, 0.6" Border, 0.4" Indent, Black on White;  
"SIDEWALK", D 2K specified length;  
"ENDS", D 2K;

#### SIDEWALK END SIGNING DETAIL

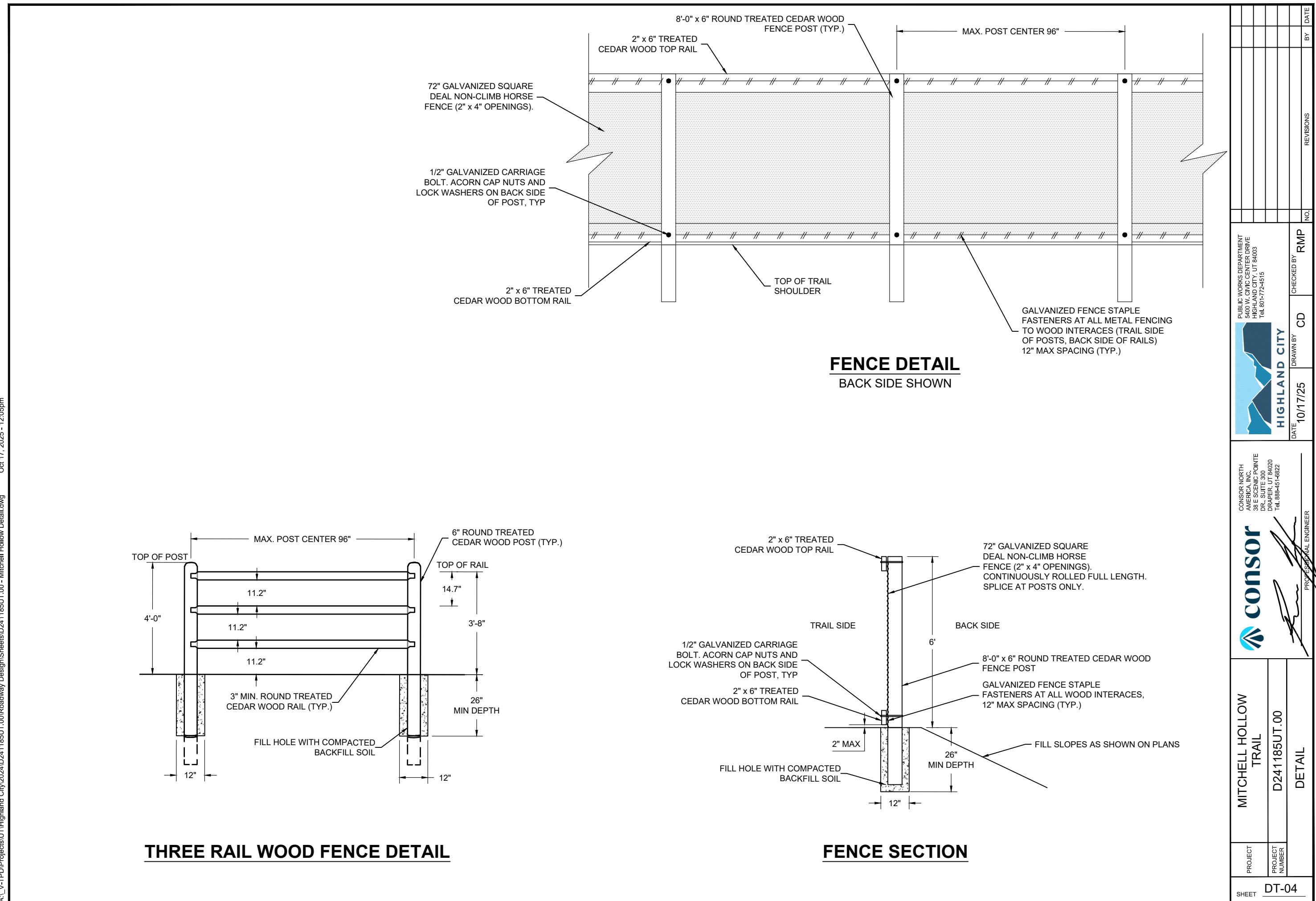


**NOTE:**  
WHEN SITE CONDITIONS REQUIRE, WRAP DRAINAGE  
TILE IN 3/4" AGGREGATE AND FILTER FABRIC WITH  
DRAINAGE COMPOSITE OR AGGREGATE BACK DRAIN  
SYSTEM, AS DIRECTED BY GEOTECHNICAL ENGINEER.

#### MODULAR BLOCK MSE WALL TYPICAL SECTION

USE KEYSTONE COUNTRY MANOR MODULAR BLOCK UNITS OR APPROVED EQUAL.  
MEET ALL REQUIREMENTS OF UDOT STD SPECIFICATION 02835.

PROJECT	MICHELL HOLLOW TRAIL	REVISIONS	BY DATE
PROJECT NUMBER	D241185UT.00	RMP NO.	REVISIONS
PUBLIC WORKS DEPARTMENT			
5400 W. CIVIC CENTER DRIVE			
HIGHLAND CITY, UT 84003			
Tel. 801-772-4515			
<b>HIGHLAND CITY</b>			
DATE	10/17/25	CD	CHECKED BY
			RMP



## 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 STRUCTURAL STEEL CONFORMING TO AASHTO M270 GRADE 50, UNLESS SHOWN OTHERWISE.
3. CHAMFER EXPOSED CONCRETE CORNERS 3/4 INCH UNLESS SHOWN OTHERWISE.
4. PROVIDE 2 INCH MINIMUM CONCRETE COVER TO REINFORCING STEEL UNLESS SHOWN OTHERWISE.
5. VERIFY UTILITY LOCATIONS BEFORE CONSTRUCTION. PROTECT EXISTING UTILITIES IN PLACE UNLESS SHOWN OTHERWISE.
6. COAT OR GALVANIZE MISCELLANEOUS STEEL PLACED IN STRUCTURAL CONCRETE, UNLESS SHOWN OTHERWISE.
7. DO NOT SCALE DRAWINGS. HORIZONTAL DIMENSIONS ARE PLAN. VERTICAL DIMENSIONS ARE PLUMB.
8. CONSTRUCTION OF THE BOARDWALK PIERS, ABUTMENTS, AND SOIL PREPARATION SHALL BE PER THE RECOMMENDATIONS IN THE GEOTECHNICAL ENGINEERING REPORT INCLUDING AND HEREBY MADE PART OF THESE CONTRACT DOCUMENTS.
9. FROST ZONE:  
THE DEPTH OF THE FROST ZONE AS THIS SITE SHALL BE CONSIDERED TO BE 3.5 FEET (42 INCHES). ALL STRUCTURAL FOUNDATIONS SHALL BEAR AT THIS DEPTH OR DEEPER BELOW THE GROUND SURFACE TO MITIGATE THE EFFECTS OF SEASONAL FREEZE-THAW CYCLES.
10. SIZE OF HELICAL PIERS TO MEET THE LRFD DESIGN LOADS AND THE ALLOWABLE BEARING AND LATERAL RESISTANCE PER THE GEOTECHNICAL REPORT.

Oct 17 2025 12:05pm

## DESIGN DATA

H-10 AND 90 PSF PEDESTRIAN LOADING IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN  
SPECIFICATIONS, 9TH EDITION 2020 AND THE UDOT STRUCTURES DESIGN AND DETAILING MANUAL, 2022

**STRUCTURAL CONCRETE**  
ALL LOCATIONS UNLESS SHOWN OTHERWISE      145 PCF       $f_c = 4.0$  KSI      n = 8 CLASS AA(AI)  
**PRECAST CONCRETE**      145 PCF       $f_c = 4.0$  KSI      n = 8 CI ASS AA(AI)

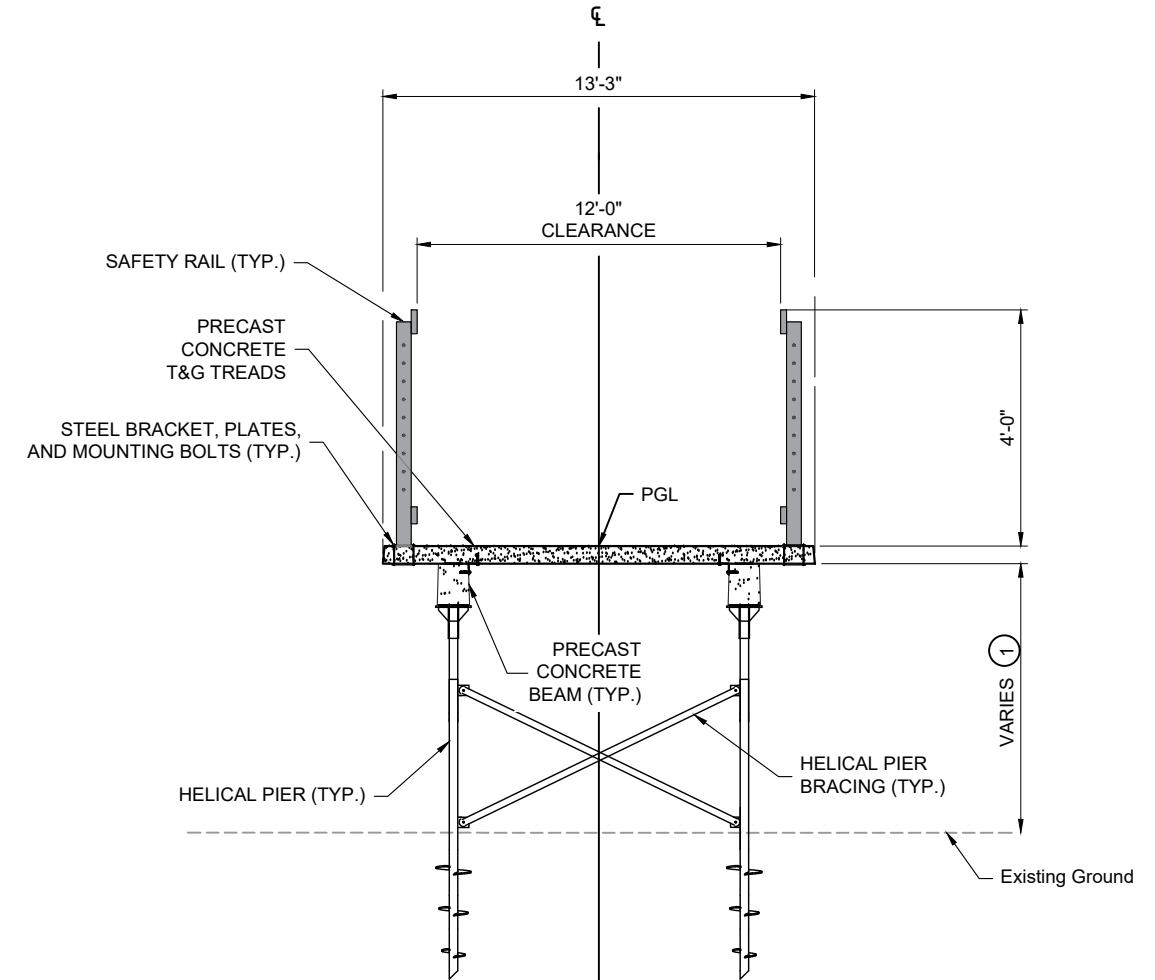
CONCRETE WEIGHT FOR LOADS 150 PCF UNLESS SHOWN OTHERWISE

**REINFORCING STEEL**  
ALL LOCATIONS UNLESS SHOWN OTHERWISE

STRUCTURAL STEEL :  $E_y = 50 \text{ KSI (GRADE 50) UNLESS SHOWN OTHERWISE}$

## HELICAL PIERS

1. DESIGN ALL HELICAL PIERS TO SUPPORT THE NOMINAL COMPRESSION AND LATERAL LOAD(S) AS SHOWN ON THE PROJECT PLANS. THE OVERALL LENGTH, HELIX CONFIGURATION AND MINIMUM EFFECTIVE TORSIONAL RESISTANCE OF A HELICAL PIER WILL BE SUCH THAT THE REQUIRED GEOTECHNICAL CAPACITY IS DEVELOPED BY THE HELIX PLATE(S) IN AN APPROPRIATE BEARING STRATUM(S).
2. DESIGN ALL STEEL STRUCTURE PIER COMPONENTS WITHIN THE LIMITS PROVIDED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC). EITHER ALLOWABLE STRESS DESIGN (ASD) OR LOAD AND RESISTANCE FACTOR DESIGN (LRFD) ARE ACCEPTABLE METHODS OF ANALYSIS.
3. EXCEPT WHERE NOTED OTHERWISE ON THE PROJECT PLANS, INSTALL ALL PIERS TO PROVIDE A MINIMUM FACTOR OF SAFETY AGAINST ULTIMATE COMPRESSION RESISTANCE OF 2.0, A MAXIMUM AXIAL DEFLECTION AT DESIGN COMPRESSION LOAD OF 0.5 INCHES, AND TO SATISFY THE DEFLECTION CRITERIA AS STATED ON THE PLANS OR DRAWINGS.
4. EXCEPT WHERE NOTED OTHERWISE ON THE PROJECT PLANS, EACH PIER SHALL BE DESIGNED TO MEET A CORROSION SERVICE LIFE OF 50 YEARS.
5. THE ANCHORAGE DESIGN SHALL TAKE INTO ACCOUNT SUCH PIER SPACING, SOIL STRATIFICATION, CORROSION AND STRAIN COMPATIBILITY ISSUES AS ARE PRESENT FOR THE PROJECT.

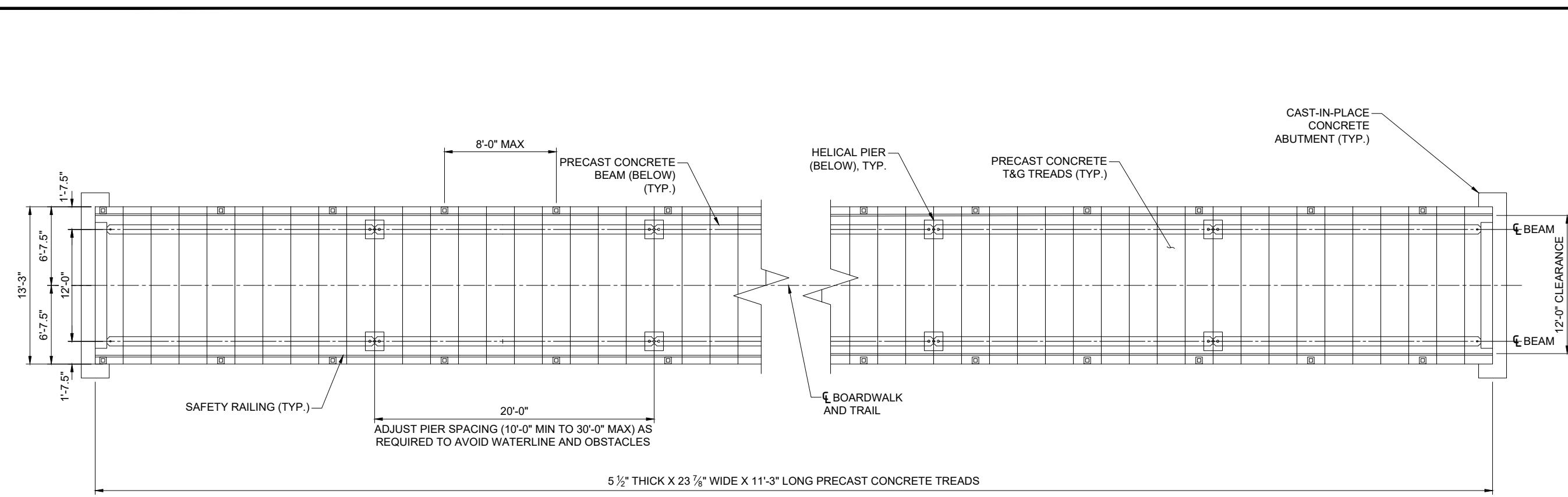


## BOARDWALK CROSS SECTION DETAIL

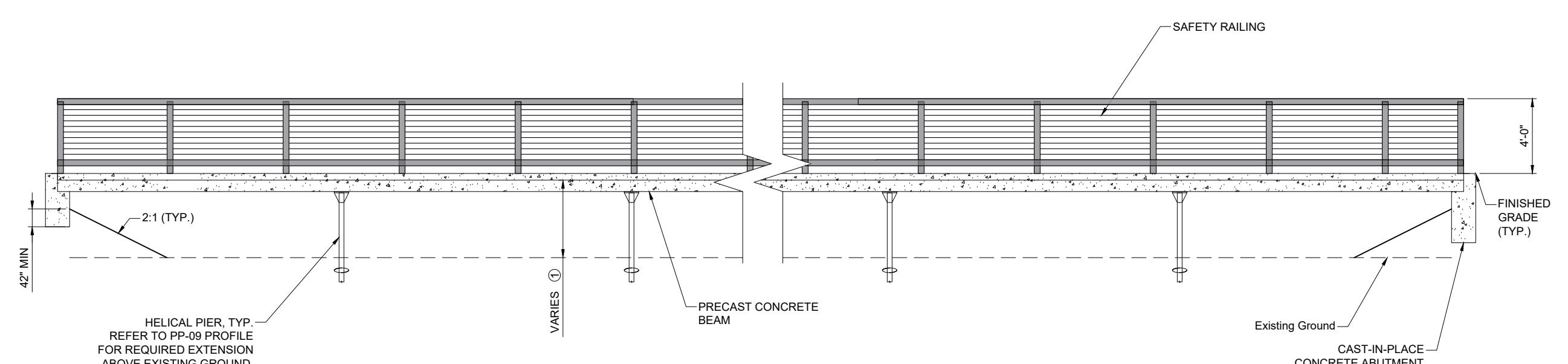
## NOTES:

① MINIMUM OF 5'-7.5" OVER WETLANDS

PROJECT		MITCHELL HOLLOW BOARDWALK		CONSOR NORTH AMERICA, INC. 38 SCENIC POINTE DR., SUITE 300 DRAPER, UT 84020		HIGHLAND CITY		PUBLIC WORKS DEPARTMENT 5400 W. CIVIC CENTER DRIVE HIGHLAND CITY, UT 84003 Tel. 801-772-4515			
PROJECT NUMBER								DATE	DRAWN BY	REVISIONS	BY DATE
PROJECT NUMBER		D241185UT.00						FJB	CHECKED BY	---	NO. BY DATE
BOARDWALK											
PROFESSIONAL ENGINEER											



BOARDWALK PARTIAL PLAN

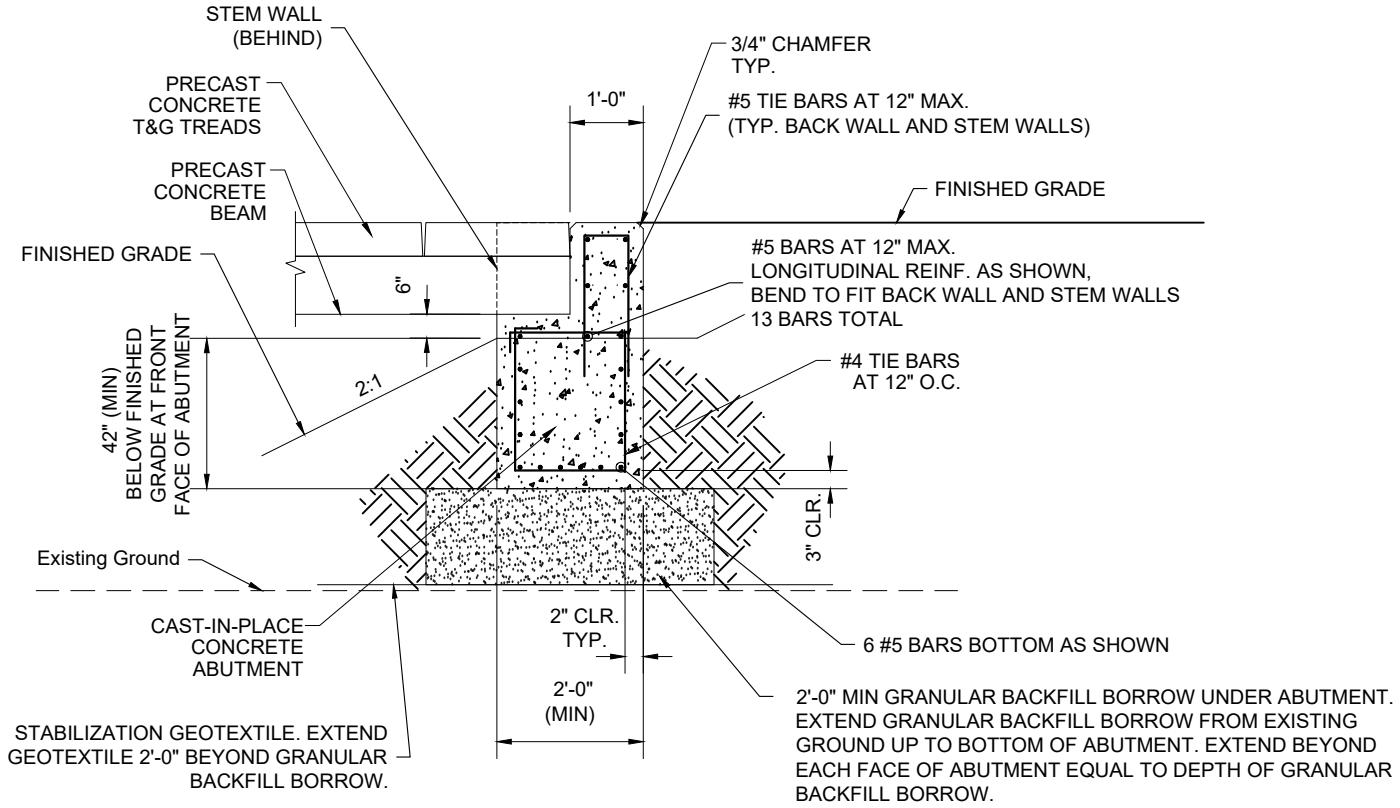


BOARDWALK PARTIAL PROFILE

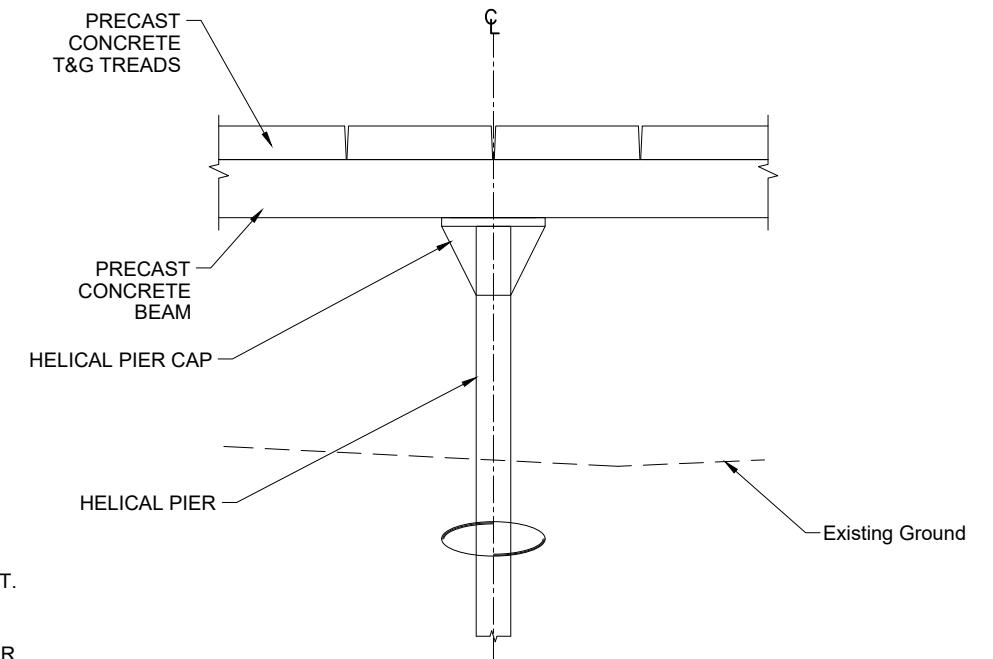
## NOTES:

(1) MINIMUM OF 5'-7.5" OVER WETLANDS

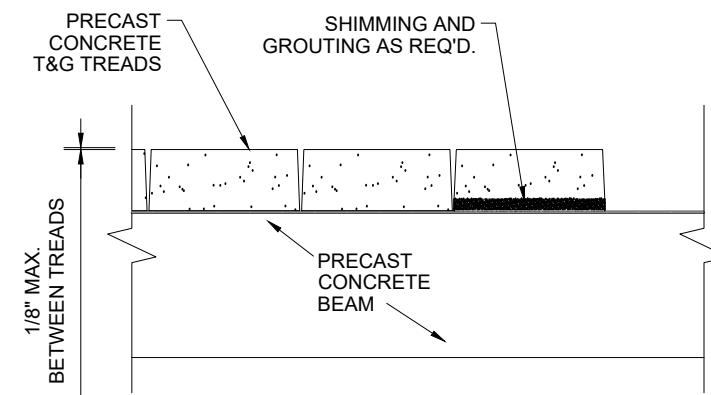
PROJECT NUMBER	MICHAEL HOLLOW BOARDWALK	CONSOR	DATE
		AMERICA INC. 38 E. SCENIC POINTE DR., SUITE 200 DRAFER, UT 84020 Tel: 888-451-6822	
		HIGHLAND CITY	
		DRAWN BY FJB	CHECKED BY ---
		DATE	NO. REVISIONS
		BY DATE	



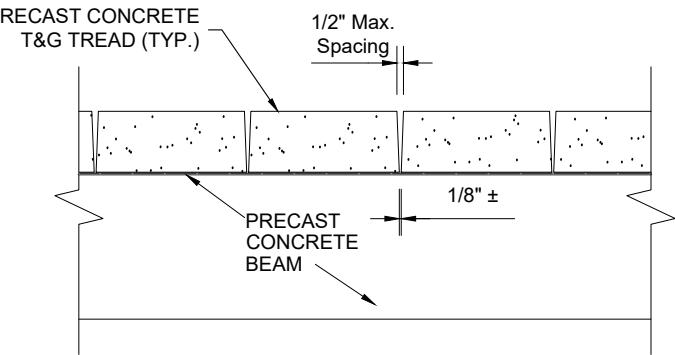
**TYPICAL BOARDWALK ABUTMENT DETAIL**



**TYPICAL BOARDWALK PIER DETAIL**



**TYPICAL SHIM/GROUT DETAIL (UNDER TREAD)**

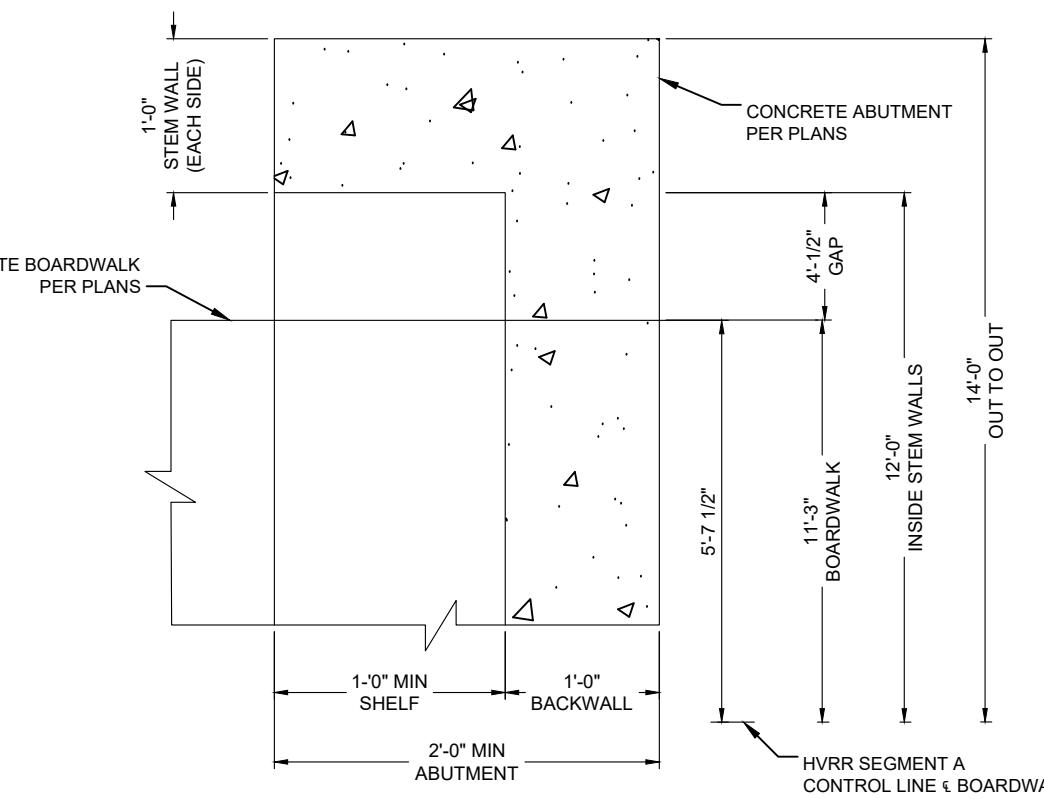


**TYPICAL TREAD SPACING DETAIL**

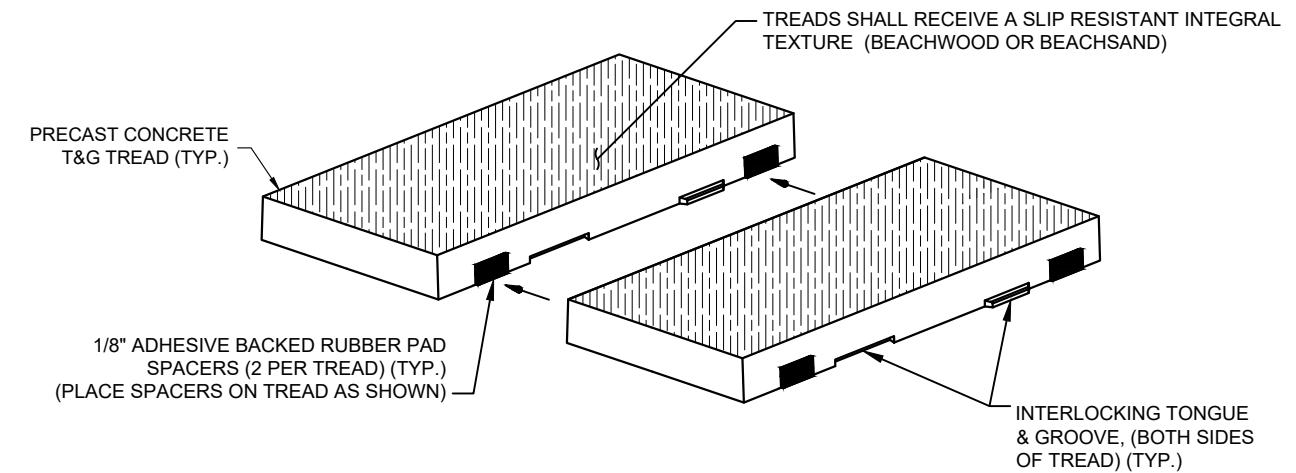
PROJECT	MITCHELL HOLLOW BOARDWALK	CONSOR
PROJECT NUMBER	D241185UT.00	AMERICA INC. 38 E. SCENIC PONTE DR., SUITE 200 DRAFER, UT 84020 Tel: 888-451-8622
REVISIONS	NO.	DATE

Oct 17, 2025 - 12:05pm

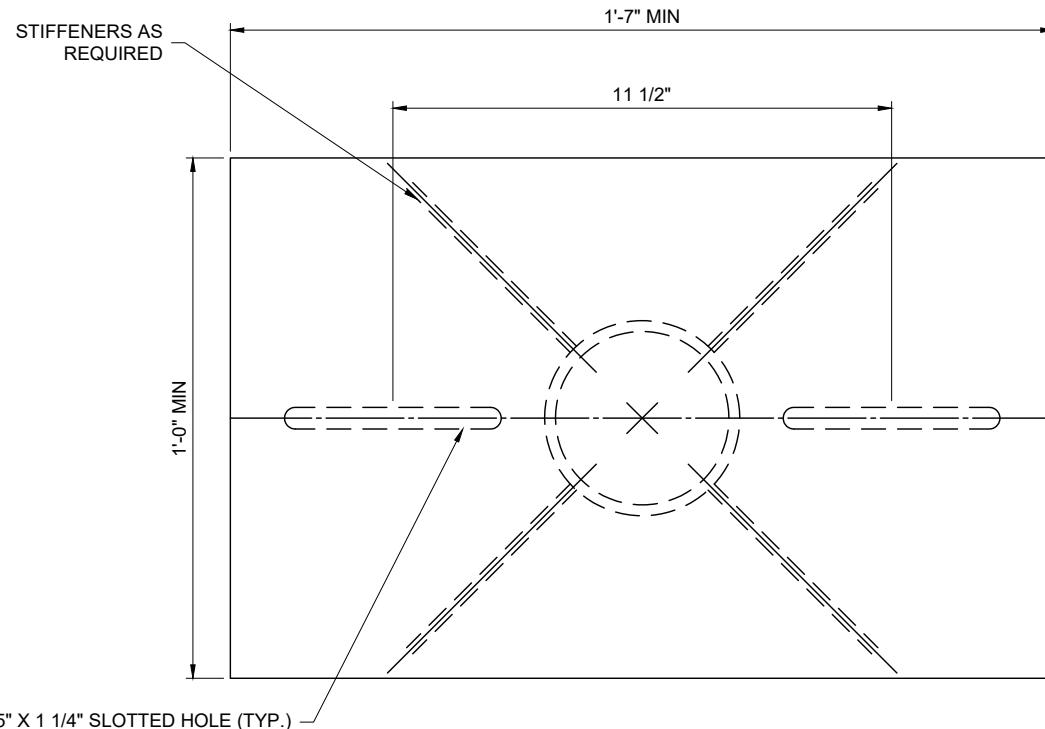
A:\V-TD\Projects\UT\Highland City\2024\Design Sheets\Roadway Design Sheets\D241185UT.00 - Mitchell Hollow BW PROJECT.dwg



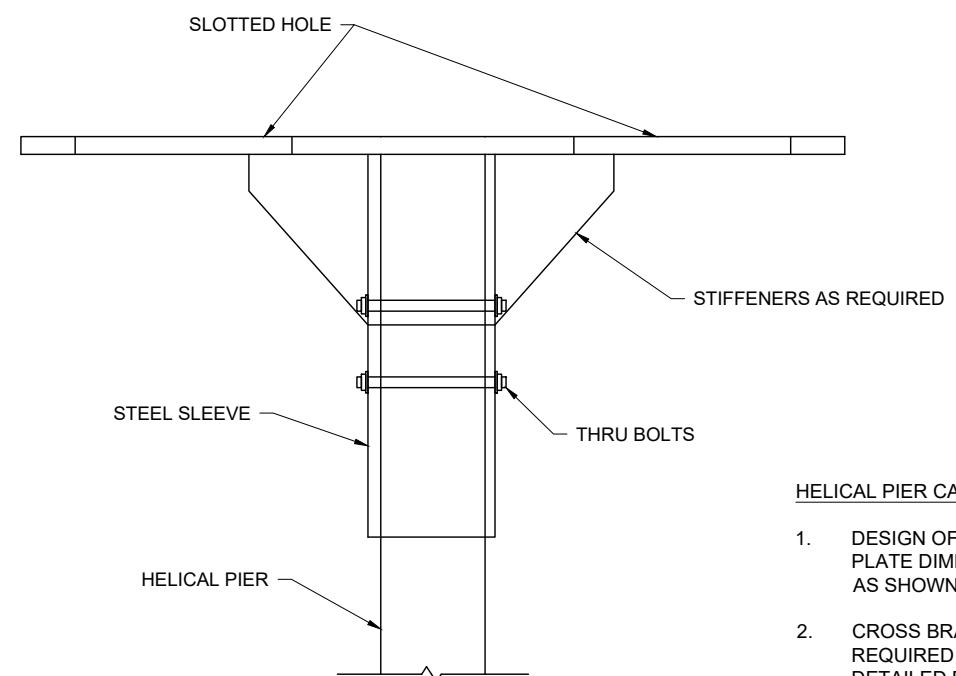
STEMWALL AND BACKWALL DETAIL



TYPICAL TREAD RUBBER SPACING DETAIL



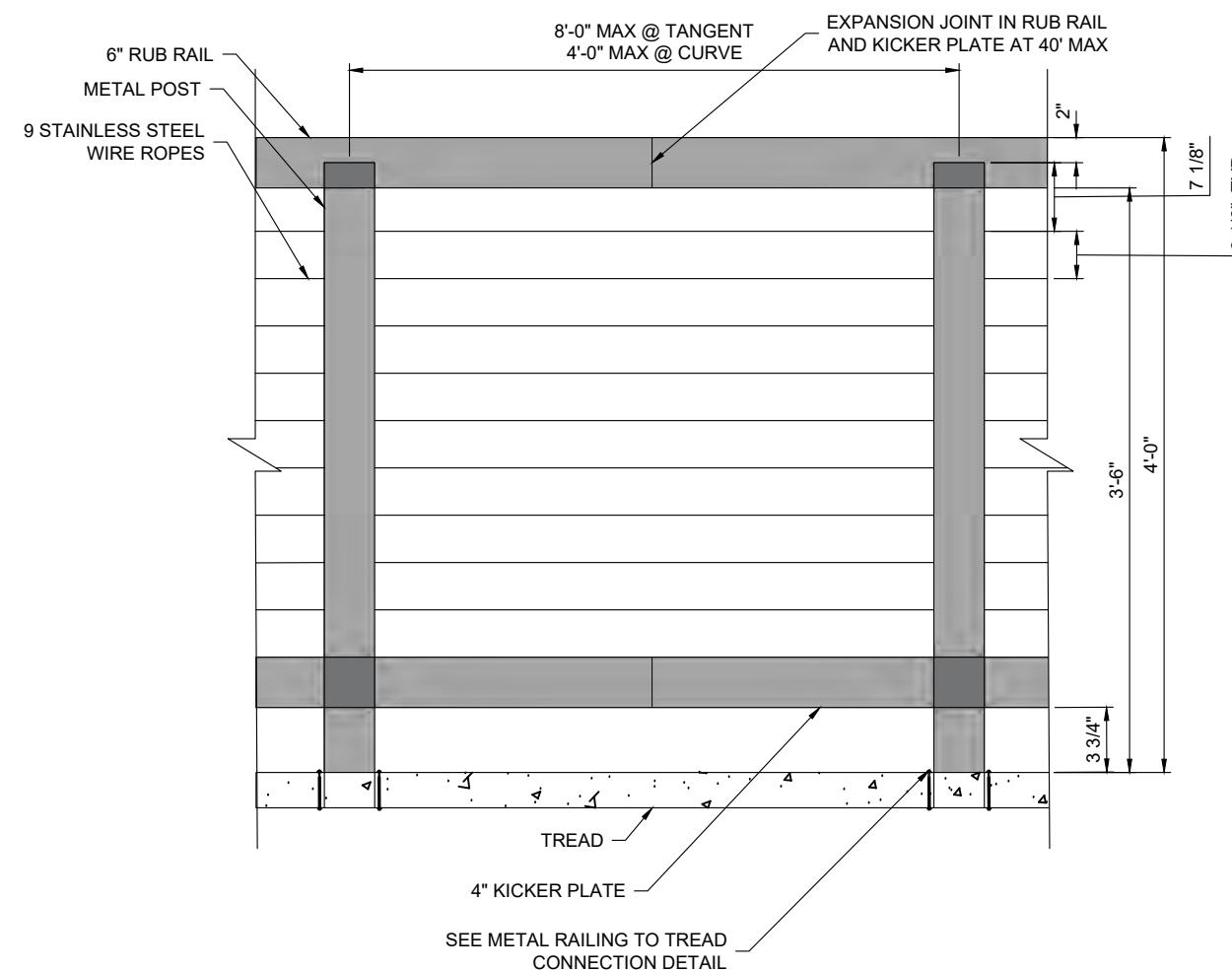
HELICAL PIER CAP DETAIL



HELICAL PIER CAP NOTES:

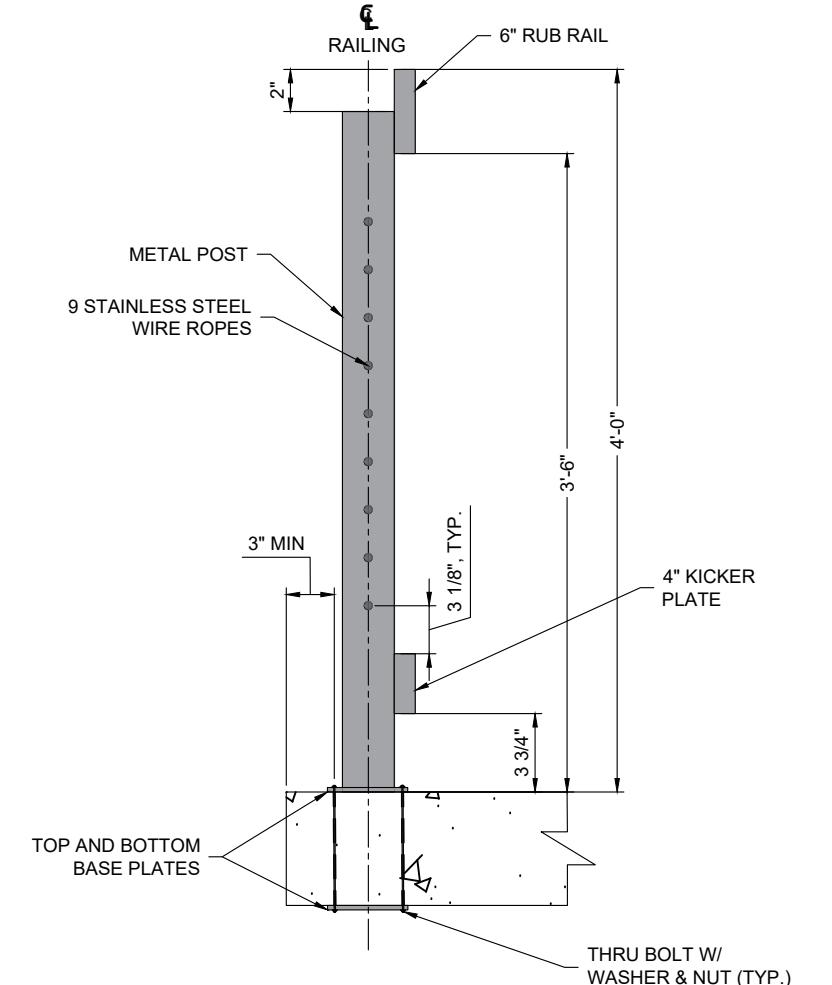
1. DESIGN OF HELICAL PIER CAP IS BY OTHERS. PLATE DIMENSIONS AND SLOTTED HOLES SHALL BE AS SHOWN.
2. CROSS BRACING OF HELICAL PIERS MAY BE REQUIRED FOR STABILITY AND SHALL BE DETAILED BY HELICAL PIER ENGINEER.
3. IF STEEL SLEEVE EXCEEDS 4 1/2" O.D., CONTACT PRECAST BOARDWALK MANUFACTURER FOR ADDITIONAL COORDINATION.

PROJECT	MITCHELL HOLLOW BOARDWALK	CONSOR	DATE
PROJECT NUMBER	D241185UT.00	AMERICA, INC. 38 E. SCENIC POINTE DR., SUITE 200 DRAFER, UT 84020 Tel: 888-451-8622	DRAWN BY FJB
	BOARDWALK	PROFESSIONAL ENGINEER	REVISIONS NO.
SHEET	BW-04		BY DATE



## SAFETY RAIL DETAIL

FENCE DETAIL SIMILAR WITH POST FOUNDATIONS IN PLACE OF METAL RAILING TO TREAD CONNECTION



## SAFETY RAIL SECTION DETAIL

PROJECT	MITCHELL HOLLOW BOARDWALK	CONSOR	PUBLIC WORKS DEPARTMENT
PROJECT NUMBER	D241185UT.00	AMERICA INC. 38 E. SCENIC PONTE DR., SUITE 200 DRAFER, UT 84020 Tel. 888-451-8622	HIGHLAND CITY
DATE	DRAWN BY FJB	CHECKED BY ---	REVISIONS
BY	NO.	NO.	REVISIONS