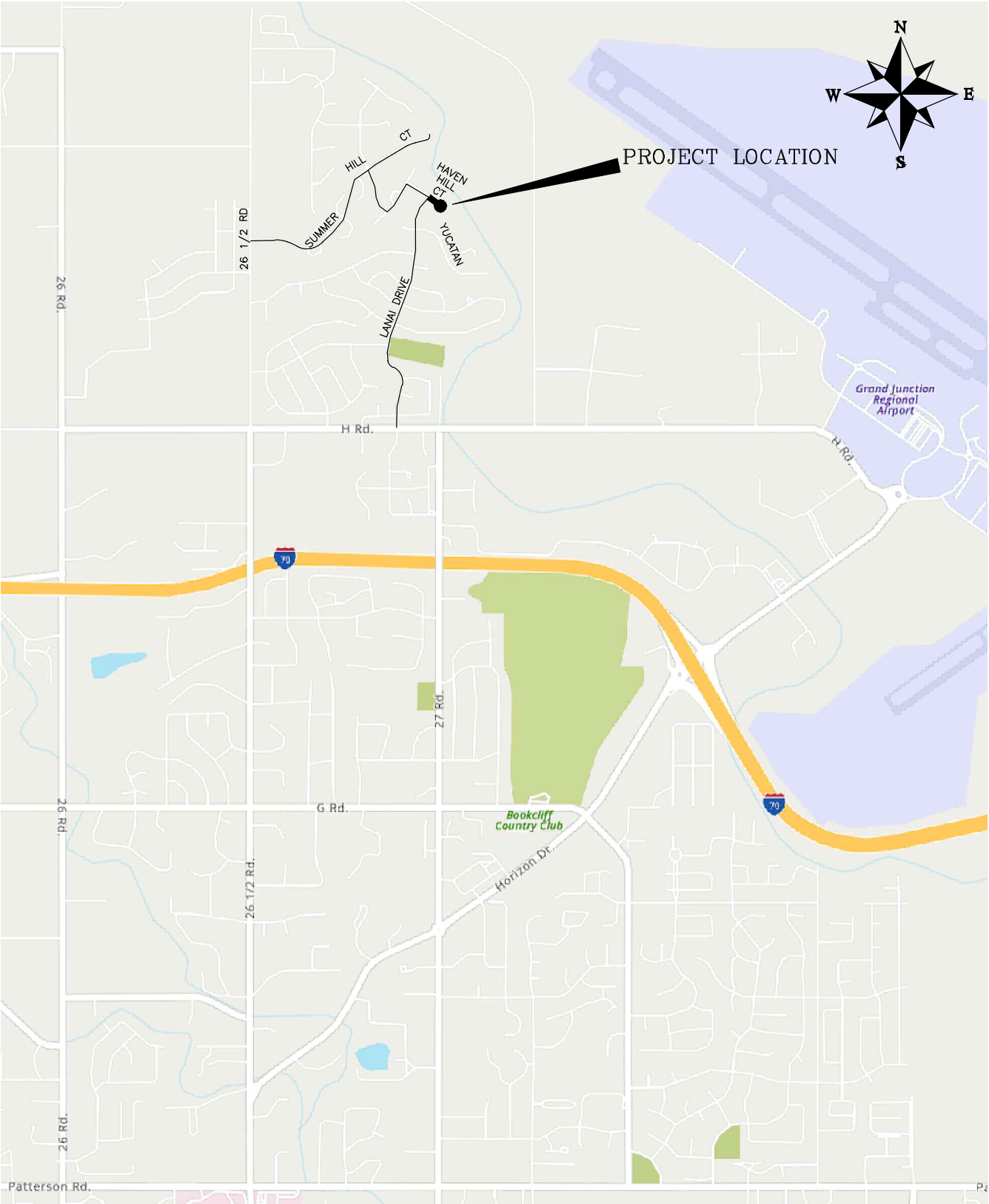


CITY OF GRAND JUNCTION  
HAVEN HILL COURT  
October 24, 2025



PROJECT LOCATION

NOTE:  
CONTROL CAN BE  
PROVIDED BY CITY  
SURVEY UPON  
REQUEST. CONTACT  
CITY SURVEYOR RENEE  
PARENT AT (970)  
256-4003

Sheet Index

- 1 Cover Sheet
- 2 Standard Abbreviations, Legend, & Symbols
- 3 Summary of Earthwork Quantities
- 4 Improvement Plan



Know what's below.  
Call before you dig.



Public Works  
Engineering Division

NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS  
PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY  
LINES. THE COVER SHEET WILL HAVE A LISTING OF  
UTILITY VENDORS AND TELEPHONE NUMBERS.

REVISION	DESCRIPTION	DATE
REVISION 1	REV 1	DATE
REVISION 2	REV 2	DATE
REVISION 3	REV 3	DATE
REVISION 4	REV 4	DATE

VICINITY MAP  
0 1250 2500

ABBREVIATIONS

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS
ABC	AGGREGATE BASE COURSE
AC	ASBESTOS CEMENT
AP	ANGLE POINT
ASB	ANCHORED STRAW BALES
ASP	ALUMINIZED STEEL PIPE
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
AWWA	AMERICAN WATER WORKS ASSOCIATION
BC	BACK OF CURB
BF	BUTTERFLY VALVE
BOW	BACK OF WALK
BCR	BEGIN CURB RETURN
BOT	BOTTOM
BSWMP	BETTER STORM WATER MANAGEMENT PRACTICES
CH	CHORD
CAP	CORRUGATED ALUMINUM PIPE
CDOT	COLORADO DEPARTMENT OF TRANSPORTATION
CI	CAST IRON
C, G, & SW	CURB, GUTTER & SIDEWALK
CL	CENTER LINE
CL	CLEAR
CMP	CORRUGATED METAL PIPE
CO	CLEAN OUT
COMB	COMBINATION (AS IN STORM SEWER AND SANITARY SEWER)
CONC	CONCRETE
CSM	CITY SURVEY MONUMENT
CSP	CORRUGATED STEEL PIPE
CU	COPPER
DI	DUCTILE IRON
DWY	DRIVEWAY
E	ELECTRIC
ECR	END CURB RETURN
EG	EDGE OF GUTTER
EL	ELEVATION
EP	EDGE OF PAVEMENT
EX	EXISTING
FB	FULL BODY
FC	FACE OF CURB
FG	FINISHED GRADE
F	FLOW LINE
FL	FLANGE
FM	FORCE MAIN
FO	FIBER OPTICS
FS	FAR SIDE
FTG	FOOTING
G	GAS
GB	GRADE BREAK
GM	GAS METER
GV	GATE VALVE
HBP	HOT BITUMINOUS PAVEMENT
HDPE	HIGH DENSITY POLYETHYLENE
INV	INVERT
IRR	IRRIGATION
L	LENGTH OF ARC
LC	LONG CHORD
LF	LINEAR FEET
LL	LONG ARC
LS	SHORT ARC
LT	LEFT
MB	MAILBOX
MCSM	MESA COUNTY SURVEY MONUMENT
MH	MANHOLE
MJ	MECHANICAL JOINT
MW	MILL WRAP
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOP	NO ONE PERSON
NRCP	NON-REINFORCED CONCRETE PIPE
NS	NEAR SIDE
NTS	NOT TO SCALE
OHP	OVERHEAD POWER
OHT	OVERHEAD TELEPHONE
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PE	POLYETHYLENE
PERF	PERFORATED
PI	POINT OF INTERSECTION
PIP	PLASTIC IRRIGATION PIPE
POC	POINT ON CURVE
POT	POINT ON TANGENT
PR	PROPOSED
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
RG	RESTRAINED GLANDS
RL	LONG RADIUS
ROW	RIGHT OF WAY
RP	RADIUS POINT
RR	RAIL ROAD
RS	SHORT RADIUS
RT	RIGHT
S	SLOPE
SAN	SANITARY
SC	SHORT CHORD
SCD	STANDARD CONTRACT DOCUMENTS
SCH	SCHEDULE
SF	SILT FENCE
SL	SECTION LINE
SSRB	STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION
SSUJ	STANDARD SPECIFICATIONS FOR CONSTRUCTION OF UNDERGROUND UTILITIES
STA	STATION
STL	STEEL
STM	STORM
T	TELEPHONE
TAN	LENGTH OF TANGENT
TC	TOP OF CURB
TH	TEST HOLE
TV	TELEVISION
(TYP)	TYPICAL
UU	UNDERGROUND UTILITIES
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VPC	VERTICAL POINT OF CURVATURE
VPCC	VERTICAL POINT OF COMPOUND CURVATURE
VPRC	VERTICAL POINT OF REVERSE CURVATURE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY
W	WATER
Δ	DELTA ANGLE

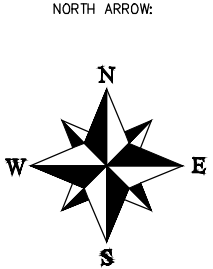
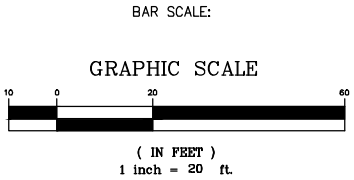
LEGEND

BSWMP	
DRAINAGE BASIN BOUNDARY	
BSWMP	
ANCHORED STRAW BALES	ASB ASB ASB ASB ASB ASB ASB
BSWMP	
SILT FENCE	SF SF SF SF SF SF SF
BUILDING	
CONCRETE CURB AND GUTTER	2" CURB AND GUTTER 7" C, G, & SW
CONCRETE CURB, GUTTER, & SIDEWALK	
CONCRETE DITCH	CONCRETE
CONCRETE SIDEWALK	4" SW
CULVERT	18" RCP
EARTH DITCH	EARTH EARTH EARTH
EDGE OF GRAVEL	
EDGE OF PAVEMENT	
FENCE (HT & MATL NOTED)	6' CHAINLINK
GUARD RAIL	
HATCHING: INDICATES ASPHALT REMOVAL	
HATCHING: INDICATES CONCRETE REMOVAL	
HATCHING: INDICATES STAGING AREA	
LINE (CENTER OF IMPROVEMENTS)	CENTERLINE
LINE (CITY LIMITS)	CITY LIMITS
LINE (CONTROL)	CONTROL LINE
LINE (EASEMENT)	
LINE (MONUMENT/SECTION)	MONUMENT/SECTION LINE
LINE (PROPERTY)	
LINE (RIGHT OF WAY)	
MATCH LINE	MATCH LINE
PIPE (IRRIGATION)	4" IRR
PIPE (SIPHON)	4" SIPHON

PROPOSED CONCRETE CURB AND GUTTER	
PROPOSED CONCRETE CURB, GUTTER, & SIDEWALK	
PROPOSED CONCRETE SIDEWALK	
PROPOSED "WET" UTILITIES (CONSTRUCTION NOTE WILL INDICATE TYPE, SIZE, AND MATERIAL OF NEW MAIN)	8" PVC SANITARY SEWER
ALL PROPOSED FEATURES NOT SHOWN IN LEGEND WILL BE SHOWN THE SAME AS THEIR EXISTING COUNTERPART, BUT INDICATED BY BOLDER LINETYPE	
RAIL ROAD	
RETAINING WALL	1' RETAINING WALL
STRIPING (CONTINUOUS WHITE)	WHITE
STRIPING (DASHED WHITE)	WHITE
STRIPING (CONTINUOUS YELLOW)	YELLOW
STRIPING (DASHED YELLOW)	YELLOW
TOP OF SLOPE	4580
CONTOUR LINES (SHOWN BETWEEN TOP & TOE)	
TOE OF SLOPE	4570
TRAFFIC DETECTOR LOOP	
UTILITY LINE (ABANDON) (THIS CASE A WATER LINE)	W (ABANDONED) 8" W
UTILITY LINE (CABLE TV)	TV TV
UTILITY LINE (ELECTRIC)	E E
UTILITY LINE (FIBER OPTIC)	FO OPT-FO
UTILITY LINE (GAS)	G 1 1/4" MW G
UTILITY LINE (HIGH VOLTAGE OVERHEAD POWER)	HVHP
UTILITY LINE (OVERHEAD POWER)	OHP
UTILITY LINE (OVERHEAD TELEPHONE)	OHT
UTILITY LINE (SANITARY SEWER)	8" SAN
UTILITY LINE (SANITARY SEWER FORCE MAIN)	8" FM
UTILITY LINE (SANITARY SEWER SERVICE)	SS
UTILITY LINE (STORM SEWER)	8" STM
UTILITY LINE (STORM SEWER, PERFORATED)	6" PERF
UTILITY LINE (STORM/SANITARY SEWER SEWER COMBINATION)	18" COMB
UTILITY LINE (TELEPHONE)	T T
UTILITY LINE (WATER)	W 8" W

SYMBOLS

BENCH MARK	Ⓐ
CATCH BASIN	▢
CLEAN OUT	SSO
CURB STOP	◄
FIRE HYDRANT	⚡
GUY WIRE ANCHOR	→
HEADGATE	▢
IRRIGATION PUMP	⊞
MAILBOX	Ⓜ
MANHOLE (ELECTRIC)	ⓔ
MANHOLE (GAS)	ⓖ
MANHOLE (SANITARY/STORM)	○
MANHOLE (TELEPHONE)	Ⓣ
MANHOLE (TV)	Ⓣ
MANHOLE (WATER)	Ⓢ
METER (GAS)	ⓖ
METER (WATER)	○
PEDESTAL (TELEPHONE)	Δ
PEDESTAL (TV)	ΔTV
PROPERTY PIN	Pin
PULL BOX	☒
REDUCER FITTING	◄
SIGN OR POST (SIGN TYPE NOTED)	↑STOP
SPRINKLER HEAD	⊙
STREET LIGHT	○-○
SURVEY MONUMENT (CITY)	CSM
SURVEY MONUMENT (TYPE NOTED)	MCSM
TEST HOLE	TH #1
TRAFFIC PAINT MARKING	→
TRAFFIC SIGNAL POLE AND MAST ARM	☒
UTILITY POLE	○
VALVE (GAS)	ⓖ
VALVE (IRRIGATION)	ⓖ
VALVE (WATER)	Ⓢ
VEGETATION (HEDGE OR BUSH)	☁
VEGETATION (TREE STUMP)	☒
VEGETATION (TREE) (CALIPER SIZE NOTED)	6"
WATER HYDRANT	⚡
WEIR	☒
YARD LIGHT	☼



REVISION	Δ	DESCRIPTION	DATE	DRAWN BY	JCS	DATE	2025
REVISION	Δ			DESIGNED BY	JCS	DATE	2025
REVISION	Δ			CHECKED BY	ER	DATE	2025
REVISION	Δ			APPROVED BY	KH	DATE	2025

SEE PLAN FOR SCALE INFO



ENGINEERING AND  
TRANSPORTATION DEPARTMENT  
PROJECT NO. M1001

HAVEN HILL CT  
STANDARD ABBREVIATIONS LEGENDS AND SYMBOLS  
October 24, 2025

INDEX				PROJECT TOTAL	
Book	Page	Sheet		CU. YD.	As Const.
			<b>203-00010 UNCLASSIFIED EXCAVATION (CIP)</b> ON SITE (QUANTITY CALCULATED FROM CIVIL3D - TIN SUBTRACTION)		
			UNCLASSIFIED EXCAVATION	15	
			ADDITION OF ROADWAY CROSS SECTIONS PRISM	340	
			DEDUCT ASPHALT AND CONCRETE REMOVAL ITEMS	88	
			TOTAL FOR PAY QUANTITIES	269	
			<b>EMBANKMENT MATERIAL (CIP) (FOR INFORMATION ONLY)</b> QUANTITY CALCULATED FROM CIVIL3D - TIN SUBTRACTION		
			UNCLASSIFIED EMBANKMENT	15	
			TOTAL	15	

INDEX			<b>EARTHWORK QUANTITIES BALANCE</b> <b>(FOR INFORMATION ONLY)</b>	PROJECT TOTAL	
Book	Page	Sheet		CU. YD.	As Const.
			Total Unclassified Excavation	269	
			Total Embankment (net)	15	
			EMBANKMENT TIMES FACTOR 1.15 (compaction)	17	
			Material to be hauled away from site (Material to be removed from site by Contractor)	252	

REVISION	DESCRIPTION	DATE	DRAWN BY	JCS	DATE	2025
REVISION			DESIGNED BY	JCS	DATE	2025
REVISION			CHECKED BY	ER	DATE	2025
REVISION			APPROVED BY	KH	DATE	2025

NO SCALE

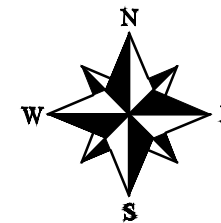


ENGINEERING AND TRANSPORTATION DEPARTMENT
PROJECT NO. M1001

HAVEN HILL COURT SUMMARY OF EARTHWORK QUANTITIES October 24, 2025
---

PLACE AGGREGATE BAG IN GUTTER AS A BMP, ALSO A CONCRETE WASHOUT STRUCTURE AND VEHICLE TRACKING PAD SHALL BE USED AS NEEDED.

2696 HAVEN HILL CT



REMOVE EXISTING CONCRETE CURB, GUTTER, AND WALK AND REPLACE WITH "DRIVE OVER CURB, GUTTER, AND SIDEWALK" PER DETAIL, GRADES, AND LIMITS SHOWN HEREON.

SOD AS NEEDED TO REPAIR YARD AT BACK OF WALK

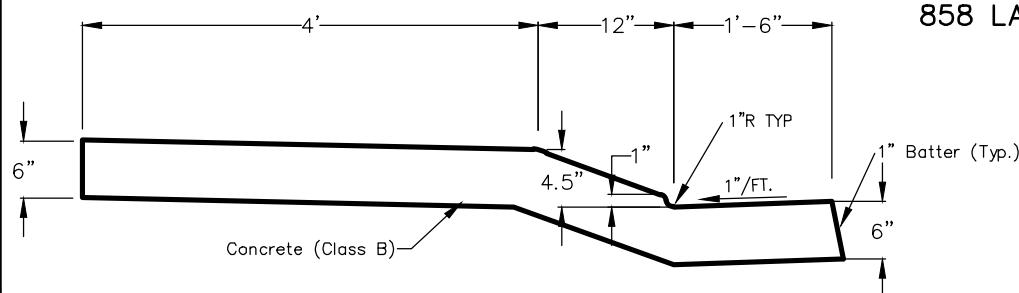
RESET RIVER COBBLE LANDSCAPE ROCK THIS AREA

2698 HAVEN HILL CT

SUMMER HILL IRRIGATION POND

ADJUST MH TO FG.  
EXISTING RIM EL = 4749.54, NEW RIM EL = 4779.35

NOTE:  
ANYTHING NOT NOTED AS BEING REPLACED SHALL BE PROTECTED IN PLACE.



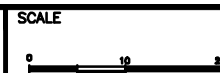
DRIVE OVER CURB, GUTTER, AND SIDEWALK  
(6'-6" WIDE) (CITY STANDARD CONC DETAIL C-03)

Notes:

- ALL CONCRETE CURB, GUTTER, AND SIDEWALKS SHALL INCLUDE A MINIMUM OF 6" OF CLASS 6 AGGREGATE BASE COURSE
- ALL CURBS, GUTTERS, AND WALKS SECTIONS MAY BE ALTERED TO FIT FIELD CONDITIONS. FLOWLINE GRADES SHOULD BE HELD CONSTANT WITH POSITIVE DRAINAGE. SEE CONCRETE REPLACEMENT STAKING PLANS.

REMOVE EXISTING CONCRETE CURB, GUTTER, AND WALK AND REPLACE WITH "DRIVE OVER CURB, GUTTER, AND SIDEWALK" PER DETAIL HEREON. REPLACE 1 STONE APPROXIMATELY AS SHOWN. IF GRADES DICTATE MORE REPLACEMENT MAY BE NECESSARY IN WHICH CASE THAT WORK SHALL BE COORDINATED WITH THE PROJECT ENGINEER.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION			JCS	2025
REVISION			JCS	2025
REVISION			ER	2025
REVISION			KH	2025



ENGINEERING AND  
TRANSPORTATION DEPARTMENT  
PROJECT NO. M1001

HAVEN HILL COURT  
IMPROVEMENT PLAN - 1  
October 24, 2025