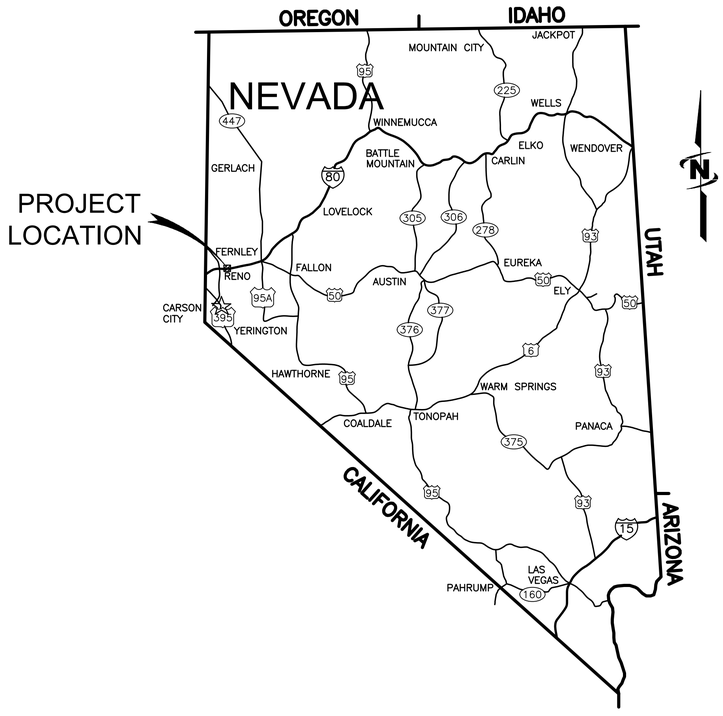
ROCK TO MCCARRAN REACH

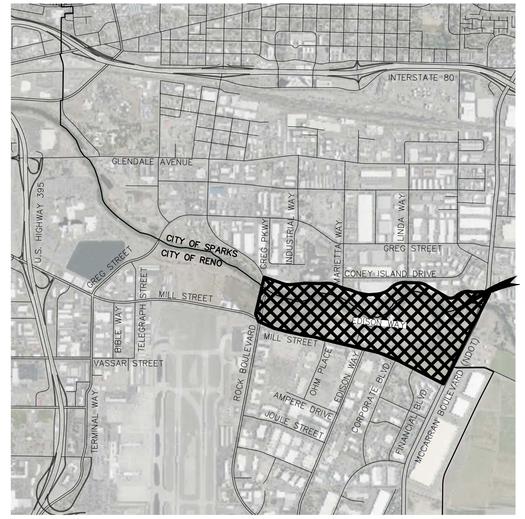
TRUCKEE RIVER FLOOD MANAGEMENT AUTHORITY

30% DESIGN

MAY 2026



AREA MAP, N.T.S.



VICINITY MAP, N.T.S.

PROJECT NO. 49-24-009

OWNER:

TRUCKEE MEADOWS FLOOD MANAGEMENT AUTHORITY
GEORGE ROBISON
9635 GATEWAY DR SUITE A, RENO, NV 89521
P: (775) 850-7473

ENGINEER:

J-U-B ENGINEERS, INC.
SHANE DYER, P.E.
5190 NEIL ROAD, SUITE 500, RENO, NV
P: (775) 852-1440

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THE LANGDON GROUP
GATEWAY MAPPING INC.

J-U-B FAMILY OF COMPANIES

30% DESIGN
5/04/2026

These plans represent a preliminary 30% design level and are provided solely to confirm overall design concepts and major project features. They are intended for planning, coordination, and review—not for defining construction methods, installation requirements, or final quantities. At this stage, the drawings illustrate general geometry and alignment for levees, floodwalls, channels, and terraces; conceptual demolition limits; major utility connection points; key design constraints; representative grading and stabilization details; vegetation and habitat considerations; and initial concepts for erosion control and select structural modifications.

Many elements remain intentionally undeveloped at this phase, including detailed utility layouts, final grading and drainage features, seepage improvements, structural details, construction sequencing, pavement and roadway geometry, recreational amenity configurations, and any final quantities or cost estimates. All information shown is subject to change as additional survey data, subsurface information, utility coordination, and agency feedback are incorporated. These documents do not represent final engineering and must not be used for bidding, permitting, or construction.

LAST UPDATED: 5/4/2026
SHEET NUMBER:
G-001

Plot Date:5/4/2026 \\JUB.COM\CENTRAL\CLIENTS\INV\TRFMA\PROJECTS\49-24-009_ROCKMCCARRAN\DESIGN\CAD\SHEET\49_24_009_G_001.DWG

GENERAL NOTES

1. TRUCKEE RIVER FLOOD MANAGEMENT AUTHORITY (TRFMA) AND THE ENGINEER HAVE JURISDICTION OVER THIS PROJECT. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND BUSINESS LICENSES PRIOR TO CONSTRUCTION.

2. CONTRACTOR IS RESPONSIBLE FOR DUST ABATEMENT AND ANY LIABILITY ISSUES RELATED TO DUST AT ANY LOCATION WHICH MAY BE CAUSED BY THIS PROJECT.

3. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL AND PROTECTION OF PEDESTRIANS IN AND AROUND THIS WORK. REFERENCE THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD LATEST EDITION FOR WORK ZONE TRAFFIC CONTROL).

4. ANY WORK DONE WITHIN A PUBLIC RIGHT-OF-WAY SHALL BE COORDINATED WITH THE APPROPRIATE TRANSPORTATION AGENCY AND SHALL MEET THE REQUIREMENTS OF THAT AGENCY AND, IN PARTICULAR, REQUIREMENTS OF ANY RIGHT-OF-WAY SPECIAL USE PERMIT, OR OTHER PERMIT. ALL WORK SHALL MEET CURRENT OSHA REQUIREMENTS.

5. WHERE WORK IS PERFORMED ON EASEMENTS, THE CONTRACTOR SHALL TAKE EVERY PRECAUTION TO ELIMINATE ANY ADVERSE EFFECTS ON THE ADJACENT PROPERTY AND/OR TO RESTORE IT TO ITS ORIGINAL CONDITION.

6. ALL DISTANCES AND DATA SHALL BE CHECKED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. IN CASE OF CONFLICT THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY SO THAT CLARIFICATION MAY BE MADE PRIOR TO THE START OF THE WORK.

7. THE CONTRACTOR SHALL ARRANGE FOR, SECURE AND PAY FOR DIRECTLY, ANY AND ALL TEMPORARY UTILITY SUPPLIES (E.G. WATER POWER, AND TELEPHONE) IT MAY REQUIRE FOR PROSECUTION OF ITS WORK. THE COST OF SUCH UTILITIES SHALL BE INCLUDED IN THE APPROPRIATE BID ITEM WITH WHICH IT IS ASSOCIATED.

8. SHOULD CONSTRUCTION BE HALTED BECAUSE OF INCLEMENT WEATHER CONDITIONS, THE CONTRACTOR WILL COMPLETELY CLEAN UP ALL AREAS AND MAINTAIN THE SURFACE IN GOOD CONDITION DURING THE SHUT-DOWN PERIOD. WEATHER DELAYS SHALL BE REQUEST TO THE ENGINEER FOR APPROVAL.

9. THE CONTRACTOR'S PERSONNEL, EQUIPMENT, AND OPERATIONS SHALL COMPLY FULLY WITH ALL APPLICABLE STANDARDS, REGULATIONS, AND REQUIREMENTS OF EXISTING FEDERAL, NEVADA STATE, AND LOCAL GOVERNMENTAL AGENCIES.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL LOCAL, STATE, AND FEDERAL PERMITS REQUIRED FOR STORMWATER POLLUTION PREVENTION AS A RESULT OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL PREPARE A STORMWATER POLLUTION PREVENTION PLAN FOR APPROVAL BY THE ENGINEER. IF THE CONSTRUCTION WILL DISTURB MORE THAN ONE ACRE, THE CONTRACTOR SHALL OBTAIN A COPY OF THE U.S. ENVIRONMENTAL PROTECTION AGENCY'S NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY (OTHERWISE KNOWN AS THE CONSTRUCTION GENERAL PERMIT OR CGP) AND SUBMIT A "NOTICE OF INTENT" (NOI)[EPA FORM 3510-9 (6/03)] FOR PERMIT COVERAGE UNDER THE GENERAL PERMIT. THE CGP MAY BE FOUND ON THE INTERNET AT <HTTP://WWW.EPA.GOV/NPDES/STORMWATER/CGP> OR BY CONTACTING THE U.S. EPA OFFICE OF WATER DIRECTLY AT (800) 424-4372. THE NOI MAY BE FILED ELECTRONICALLY AT THE FOLLOWING WEBSITE: <HTTP://CFPUB.EPA.GOV/NPDES/STORMWATER/ENOI.CFM>. THE CGP DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH OTHER REGULATIONS OR CONTRACT REQUIREMENTS REGARDING STORMWATER POLLUTION PREVENTION INCLUDING BUT NOT LIMITED TO: PROTECTION OF SURFACE WATERS, PREVENTION OF SOIL RUNOFF INTO DRAINS, DUST CONTROL, PREVENTION OF TRACKING SOILS TO ADJACENT STREETS, FUEL CONTAINMENT, SPILL CONTROL, ETC.

11. ALL WORK SHALL BE CONTAINED IN OR LIMITED TO THE CITY'S PROPERTY, EASEMENTS, OR APPROVED STAGING AREAS.

12. THE GEOTECHNICAL EVALUATION FOR THIS PROJECT IS FOUND IN THE PROJECT SPECIFICATIONS. RECOMMENDATIONS FROM THE REPORT SHALL BE FOLLOWED. IN THE EVENT OF A CONFLICT WITH THE PROJECT SPECIFICATIONS, THE ENGINEER AND THE GEOTECHNICAL ENGINEER WILL APPROVE THE PROPER COURSE OF ACTION. REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE SOILS INFORMATION.

13. CONTRACTOR TO PROVIDE, CONSTRUCT, MAINTAIN AND REMOVE A TEMPORARY FENCE AROUND THE CONSTRUCTION SITE USED TO PROTECT NEIGHBORING PROPERTIES FROM DAMAGE. CONTRACTOR IS ALSO RESPONSIBLE TO PROTECTION TO SAFE GUARD WORK SITE. PAY ITEM TO BE INCLUDED IN MOBILIZATION.

14. THE ENGINEER WILL PROVIDE VERTICAL AND HORIZONTAL CONTROLS ONE TIME ON THE PROJECT SITE. ANY ADDITIONAL CONSTRUCTION STAKING REQUIRED TO COMPLETE THE PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

15. CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING UTILITIES AND BE RESPONSIBLE FOR DAMAGES TO EXISTING UTILITIES AND EXISTING IMPROVEMENTS AS A RESULT OF THE CONTRACTOR'S CONSTRUCTION ACTIVITIES.

EXISTING UTILITIES

1. APPROXIMATE LOCATIONS OF UTILITIES ARE SHOWN ON THE PLANS. THEY ARE TO BE USED FOR GENERAL INFORMATION ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE APPROPRIATE UTILITY COMPANIES WHEN CONSTRUCTION MIGHT INTERFERE WITH NORMAL OPERATION OF ANY UTILITIES. IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE APPROPRIATE UTILITY COMPANY FIELD-LOCATE ANY UTILITY INSTALLATIONS WHICH MIGHT BE AFFECTED BY CONSTRUCTION PRIOR TO BEGINNING WORK IN THAT AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SERVICE OF EXISTING UTILITIES AND FOR RESTORING ANY UTILITIES DAMAGED DUE TO CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER. DEPTHS AND ELEVATIONS OF UTILITIES ARE UNKNOWN UNLESS OTHERWISE SHOWN. CONTRACTOR SHALL FIELD VERIFY UTILITY DEPTHS, ELEVATIONS, ANY DISCREPANCIES AND/OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

INSPECTION AND TESTING

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MATERIALS TESTING INCLUDING BUT NOT LIMITED TO CONCRETE, FLUSHING, DISINFECTION, LEAK, PRESSURE, BACTERIOLOGICAL, AND COMPACTION. ALL TESTS SHALL MEET MINIMUM ENGINEER REQUIREMENTS. SEE THE CONTRACT DOCUMENTS AND DRAWINGS FOR FREQUENCY OF TESTING. RESULTS ARE TO BE DELIVERED TO SPECIAL INSPECTOR, OWNER AND ENGINEER.

2. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ENGINEER AND SPECIAL INSPECTOR FOR INSPECTIONS OF WORK AT APPROPRIATE INTERVALS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PAY FOR ADDITIONAL INSPECTIONS THAT ARE THE RESULT OF HIS WORKMANSHIP.

CONTACT PHONE NUMBERS

OWNER:

TRUCKEE RIVER FLOOD MANAGEMENT AUTHORITY (TRFMA)
GEORGE ROBISON, P.E. (775) 850-7473 o EXECUTIVE DIRECTOR

DESIGN ENGINEERS:

PRIME - J-U-B ENGINEERS, INC.
SHANE DYER, P.E. (775) 852-1440 o AREA MANAGER

GEOMORPHOLOGY - NORTHWEST HYDRAULIC CONSULTING, INC.
BRIAN WARDMAN, P.E. (916) 371-7400 o PRINCIPAL ENGINEER

RECREATION - WOOD RODGERS, INC.
ANDY DURLING, A.I.C.P. (916) 341-7760 o VICE PRESIDENT

GEOTECHNICAL - CRAWFORD & ASSOCIATES, INC.
BEN CRAWFORD, P.E. (916) 455-4225 o PRESIDENT

811
Know what's **below.**
Call before you dig.

CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

J-U-B ENGINEERS, INC.
5190 Neil Road
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PRELIMINARY PLANS

NOT FOR CONSTRUCTION

REUSE OF DRAWINGS
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NO.	DESCRIPTION	BY	APR.	DATE
REVISION				

ROCK TO MCCARRAN REACH
TRUCKEE RIVER FLOOD MANAGEMENT AUTHORITY

GENERAL NOTES

FILE : 49_24_009_G_002
JUB PROJ. # :49-24-009
DRAWN BY: MJK
DESIGN BY: JAW
CHECKED BY: SKD
ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY
LAST UPDATED: 2/24/2026

DRAWING:
G-002

SHEET: 2 OF 205

Plot Date:5/4/2026 8:01 AM Plotted By: Elena Johnston
Date Created:8/15/2025 \\JUB.COM\CENTRAL\CLIENTS\NV\TRFMA\PROJECTS\49-24-009_ROCK\MCCARRAN\DESIGN\CAD\SHEET\49_24_009_G_002.DWG

LINE LEGEND

LINE DESCRIPTION	PROPOSED LINE	EXISTING LINE
POWER / COMMUNICATIONS		
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
UNDERGROUND POWER, TEL, CABLE TV		P,T,CTV
UNDERGROUND POWER, TEL, CABLE TV, GAS		P,T,CTV,G
STORM DRAIN		
STORM DRAIN (GENERAL)	SD	SD
STORM DRAIN	X"SD	X"SD
ROOF DRAIN	RD	RD
LAND DRAIN	LD	LD
SANITARY SEWER		
SANITARY SEWER (GENERAL)	SS	SS
SANITARY SEWER	X"SS	X"SS
SANITARY SEWER SERVICE	SS SS	SS SS
SEWER FORCE MAIN	FM	FM
WATER		
WATER (GENERAL)	W	W
WATER (SPECIFIED SIZE)	X"W	X"W
WATER SERVICE	WS WS	WS WS
IRRIGATION		
IRRIGATION	IRR	IRR
GRAVITY IRRIGATION	GIRR	GIRR
PRESSURE IRRIGATION	PIRR	PIRR
POTABLE WATER	PW	PW
RAW WATER	NPW	NPW
GAS		
NATURAL GAS	G	G
NATURAL GAS SERVICE	G G	G G
HIGH PRESSURE GAS	HPG	HPG
LIQUID GAS	LG	LG
UTILITY		
CHLORINE LINE	CHL	CHL
INDUSTRIAL WASTE WATER	IWW	IWW
DRAIN LINE	DL	DL

LINE DESCRIPTION	PROPOSED LINE	EXISTING LINE
BOUNDARY		
PROPERTY LINE	P/L	P/L
PROPERTY LINE		
RIGHT OF WAY	R/W	R/W
TEMPORARY EASEMENT	T/E	T/E
PERMANENT EASEMENT	P/E	P/E
TOWNSHIP AND RANGE		
SECTION LINE		
QUARTER SECTION LINE		
1/16 SECTION LINE		
STATE LINE		
COUNTY LINE		
SITE		
FENCE	X	X
MAJOR CONTOUR (5')		
MINOR CONTOUR (1')		
GRADE BREAK		GB
TOP OF BANK		TOB
TOE OF SLOPE		TOE
CUT LIMITS		
CUT LIMITS	CUT	
FILL LIMITS		
FILL LIMITS	FILL	
DITCH		
STORM SWALE		
EDGE OF WATER		
HIGH WATER		
WETLAND		WET
WETLAND BOG		BOG
WETLAND MARSH		MRSH
WETLAND SWAMP		SWMP
LEVEE/BERM TOE & TOP		
WATER SURFACE ELEVATION		
PROTECTED VEGETATION		
GRADING LIMIT		
ROADWAY		
ROAD SHOULDER		
ROAD CENTERLINE		
ROAD ASPHALT		EP
ROAD GRAVEL	EG	EG
TOP BACK OF CURB		
LIP OF GUTTER		
LANDSCAPING LIMITS	LS	LS

SHEET NUMBERING

SAMPLE: C-101

C - 1 01

- C: DISCIPLINE DESIGNATOR
- 1: SHEET TYPE DESIGNATOR
- 01: SHEET SEQUENCE NUMBER

DISCIPLINE DESIGNATORS		
DISCIPLINE	DESIGNATOR	DESCRIPTION
GENERAL	G	ALL GENERAL
ENVIRONMENTAL	E	ENVIRONMENTAL PERMITTING
DEMOLITION	X	DEMOLITION
CIVIL	C	ALL CIVIL
CIVIL LEVEE	CL	CIVIL LEVEE PLAN & PROFILE
CIVIL RIVER	CR	CIVIL RIVER PLAN & PROFILE
TRANSPORTATION	T	ALL TRANSPORTATION
RECREATION	R	ALL RECREATION
RECREATION	RP	PLANTING PLAN
RECREATION	RPD	PLANTING DETAILS
RECREATION	RPE	LANDSCAPE ENLARGEMENTS

HATCH LEGEND

PROPOSED HATCH	HATCH DESCRIPTION
	RIPRAP REVETMENT
	HABITAT BENCH
	MULTI-USE PATH
	ARMOR FLEX
	GEOCELL
	ROADWAY

SHEET TYPE DESIGNATORS	
DESIGNATOR	SHEET TYPE
0	GENERAL (SYMBOLS, LEGENDS, NOTES ETC.)
1	PLANS (HORIZONTAL VIEWS)
2	PLANS (HORIZONTAL VIEW)
3	ELEVATIONS, PROFILES, COMBINED PLAN & PROFILES, SECTIONS
4	LARGE-SCALE VIEWS (PLANS, ELEVATIONS, ECT.) / ENVIRONMENTAL PLANNING
5	DETAILS OR COMBINED DETAILS AND SECTIONS

SECTION AND DETAIL IDENTIFIERS

NOTE:
A DASH MAY BE PLACED IN THE LOWER PORTION OF THE IDENTIFIER IF THE DETAIL DRAWING OR SECTION VIEW IS LOCATED ON THE SAME SHEET.

	SECTION IDENTIFICATION	DETAIL IDENTIFICATION
CALLOUT	SECTION LETTER → A; SHEET NUMBER WHERE SECTION DRAWING IS LOCATED → C-501	DETAIL NUMBER → A1; SHEET NUMBER WHERE DETAIL DRAWING IS LOCATED → C-501
LABEL	SECTION LETTER → A; SECTION; SCALE:	DETAIL NUMBER → A1; DETAIL; SCALE:

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PRELIMINARY PLANS

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NO.	DESCRIPTION	BY	APR.	DATE
REVISION				

ROCK TO MCCARRAN REACH
TRUCKEE RIVER FLOOD MANAGEMENT AUTHORITY

LEGEND AND ABBREVIATIONS

FILE: 49_24_009_G_003
JUB PROJ. #: 49-24-009
DRAWN BY: MJK
DESIGN BY: JAW
CHECKED BY: SKD
ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY
LAST UPDATED: 4/15/2026

DRAWING:
G-003

SHEET: 3 OF 205

Plot Date/Time: 4/15/2026 8:01 AM Plotted By: Elena Johnston
Date Created: 7/30/2024 I:\JUB.COM\CENTRAL\CLIENTS\NV\TRFMA\PROJECTS\49-24-009_ROCK\MCCARRAN\DESIGN\CAD\SHEET\49_24_009_G_003.DWG

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
SURVEY		
CAP (ALUMINUM)		
CAP (BRASS)		
CHISELED X		
CTRL PT GENERIC		
CTRL PT ½" REBAR	1/2" PIN CONTROL PT	
CTRL PT ⅝" REBAR	5/8" PIN CONTROL PT	
CTRL PT 60D NAIL	60D	
CTRL PT HUB & TACK	HT	
CTRL PT PK NAIL	PK	
CTRL PT TEMP BENCH MARK	TBM	
NAIL		
NAIL AND TAG	N/T	
NAIL (PK)	PK	
BOLT		
DRILL STEEL		
REBAR (½")		
REBAR (⅝")		
STAINLESS STEEL ROD		
IRON PIPE		
RAILROAD SPIKE		
R/W MONUMENT		
STONE		
SECTION CORNER. MON.	22 15 21 16	
SECTION QUARTER MON.	15 22	
JUB SURVEY MONUMENT		
SURVEY MONUMENT		
ROAD MARKINGS		
TURN ARROW		
ARROW STRAIGHT		
ARROW STRAIGHT/TURN		
BICYCLE ROUTE		
CAR		
HANDICAP SYMBOL		
ROADWAY		
INTERSTATE ROUTE	25	
MAST ARM		
PEDESTRIAN SIGNAL		
STATE ROUTE	14	
TRAFFIC LIGHT		

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
UTILITIES		
MANHOLE (GENERIC)		
PRESSURE CLEAN OUT AT GRADE	PCO	PCO
THRUST BLOCK		
VAULT	V	V
COMMUNICATION		
TELE. MANHOLE	T	
TELE. PEDESTAL	T	T
TELE. POLE		
TV PEDESTAL	TV	TV
GUY WIRE		
DOMESTIC WATER		
FIRE HYDRANT		
SPIGOT		
YARD HYDRANT		
WATER MANHOLE	W	
WATER METER		
WATER VALVE	W	W
ELECTRIC		
ELEC. MANHOLE	E	
ELEC. METER	E	E
ELEC. TRANS.	E	E
JUNCTION BOX	J	J
POWER POLE		
POWER STUB	E	E
STREET LIGHT		
TRAFFIC SIGNAL POLE TRAFFIC SIGNAL BOX		
IRRIGATION		
IRRIGATION VALVE	IRR	IRR
IRRIGATION VALVE BOX	I	I
SPRINKLER		
NATURAL GAS		
GAS METER	G	G
GAS VALVE	G	G
SANITARY SEWER		
CLEANOUT		
SEWER STUB	S	S
SS MANHOLE	S	
STORM DRAIN		
CATCH BASIN		
DRY WELL	DW	DW
FLARE END		
GREASE TRAP		
SD MANHOLE	D	

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
FITTINGS		
BEND (11.25°)		
BEND (22.5°)		
BEND (45°)		
BEND (90°)		
CAP		
COUPLING		
CROSS		
REDUCER (CONCENTRIC)		
REDUCER (ECCENTRIC)		
TEE		
TRUE UNION		
WYE		
VALVES		
AIR VALVE	A	A
BLOW OFF	B	B
COMBO VALVE	C	C
BALL VALVE (N.C.)		
BALL VALVE (N.O.)		
BUTTERFLY VALVE		
CHECK VALVE		
CHECK VALVE (FLANGE)		
CHECK VALVE (MJ)		
GATE VALVE		
PLUG VALVE (N.C.)		
PLUG VALVE (N.O.)		
SITE		
BOLLARD		
BOULDER		
DRINKING FOUNTAIN	DF	DF
FLAGPOLE	F	F
GATE		
MAIL BOX	M	M
PARKING METER	PM	PM
POST		
SIGN		
SPOT ELEVATION		
TREE (SHRUB)		
TREE (STUMP)		
TREE (CONIFEROUS)		
TREE (DECIDUOUS)		
TEST HOLE	TH	
WELL	W	W
WELL (MONITORING)	M	M

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
ROADWAY (CONT.)		
TYPE 2 BARRICADE		
US ROUTE	287	
TRAFFIC ATTENUATOR		
JERSEY BARRIER		

ABBREVIATIONS

ASSY	ASSEMBLY
>	ANGLE
@	AT (MEASUREMENTS)
BLDG	BUILDING
BM	BENCH MARK
BSC	BITUMINOUS SURFACE COURSE
BSW	BACK OF SIDEWALK
BW	BOTH WAYS
C	CHANNEL (STRUCTURAL)
C/L	CENTER LINE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
CONT	CONTINUOUS
CPLG	COUPLING
CU FT	CUBIC FEET
CU YD	CUBIC YARD
DEG OR °	DEGREE
DET	DETAIL
DIA OR Ø	DIAMETER
DIP	DUCTILE IRON PIPE
DIST	DISTRIBUTION
DWG	DRAWING
EA	EACH
ESMT	EASEMENT
ELB	ELBOW
ELEV	ELEVATION
EW	EACH WAY
EX.	EXISTING
FG	FINISH GRADE
FH	FIRE HYDRANT
FLG	FLANGE
FT OR '	FEET
GV	GATE VALVE
HORIZ	HORIZONTAL
ID	INSIDE DIAMETER
IN OR "	INCH
LB OR #	POUND
LF	LINEAL FEET
LN	LINEAL
MAX	MAXIMUM
MIN	MINIMUM
NO OR #	NUMBER
PC	POINT OF CURVATURE
PE	POLYETHYLENE
PIP	PROTECT IN PLACE
PL	PLATE
PL	PROPERTY LINE
PR.	PROPOSED
PT	POINT OF TANGENCY
PVC	POLYVINYL-CHLORIDE
R	RADIUS
RP	RADIUS POINT

ABBREVIATIONS

ASSY	ASSEMBLY
R&R	REMOVE & REPLACE
REM	REMOVE
REQ'D	REQUIRED
REV	REVISION
ROW	RIGHT-OF-WAY
S	SLOPE
SPEC	SPECIFICATION
STA	STATION
STD	STANDARD
STL	STEEL
ST STL	STAINLESS STEEL
TBC	TOP BACK OF CURB
TYP	TYPICAL
TFC	TOP FACE OF CONCRETE
W/	WITH
W/O	WITHOUT
W/REQ'D	WHERE REQUIIRED

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PRELIMINARY PLANS

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REUSE OF DRAWINGS
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NO.	DESCRIPTION	BY	APR. DATE
REVISION			

ROCK TO MCCARRAN REACH
TRUCKEE RIVER FLOOD MANAGEMENT AUTHORITY

LEGEND AND ABBREVIATIONS

FILE: 49_24_009_G_004
JUB PROJ. #: 49-24-009
DRAWN BY: MJK
DESIGN BY: JAW
CHECKED BY: SKD
ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY
LAST UPDATED: 4/15/2026

DRAWING:
G-004

SHEET: 4 OF 205

Plot Date:5/4/2026 8:01 AM Plotted By: Elena Johnston
Date Created:7/30/2024 \\JUB.COM\CENTRAL\CLIENTS\NV\TRFMA\PROJECTS\49-24-009_ROCKMCCARRAN\DESIGN\CAD\SHEET\49_24_009_G_004.DWG

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J-U-B ENGINEERS, INC.

J-U-B ENGINEERS, INC.
5190 Neil Road
Suite 500
Reno, NV 89502
Phone: 775.852.1440
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PRELIMINARY PLANS

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ROCK TO MCCARRAN REACH
TRUCKEE RIVER FLOOD MANAGEMENT AUTHORITY

SHEET SET LIST

FILE : 49_24_009_G_005
JUB PROJ. # :49-24-009
DRAWN BY: MJK
DESIGN BY: JAW
CHECKED BY: SKD

ONE INCH
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SHEET: 5 OF 205

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0 250 500

SCALE IN FEET

SURVEY NOTES

1. BASIS OF BEARING
NEVADA STATE PLANE SYSTEM, WEST ZONE, NORTH AMERICAN
DATUM OF 1983/1994. HIGH ACCURACY REFERENCE NETWORK (NAD83/1994 HARN)
AS DETERMINED USING GPS SOLUTIONS AND NGS CORS SYSTEM. THE ELEVATION IS THE NORTH AMERICAN VERTICAL DATUM OF 1988
HOLDING BENCHMARK L374
ALL DIMENSIONS SHOWN ARE GROUND DISTANCES. COMBINED GRID TO GROUND FACTOR = 1.0000197039.

EXISTING CONDITIONS NOTES:

1.

J-U-B ENGINEERS, INC.
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ROCK TO MCCARRAN REACH
TRUCKEE RIVER FLOOD MANAGEMENT AUTHORITY

EXISTING CONDITIONS PLAN

FILE: 49_24_009_G_100
JUB PROJ. # :49-24-009
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DESIGN BY: JAW
CHECKED BY: SKD

ONE INCH
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