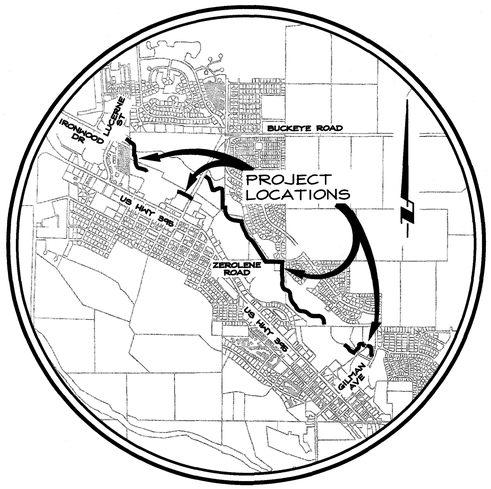
IMPROVEMENT PLANS FOR
MARTIN SLOUGH MULTIMODAL TRAIL
DOUGLAS COUNTY, NEVADA



VICINITY MAP

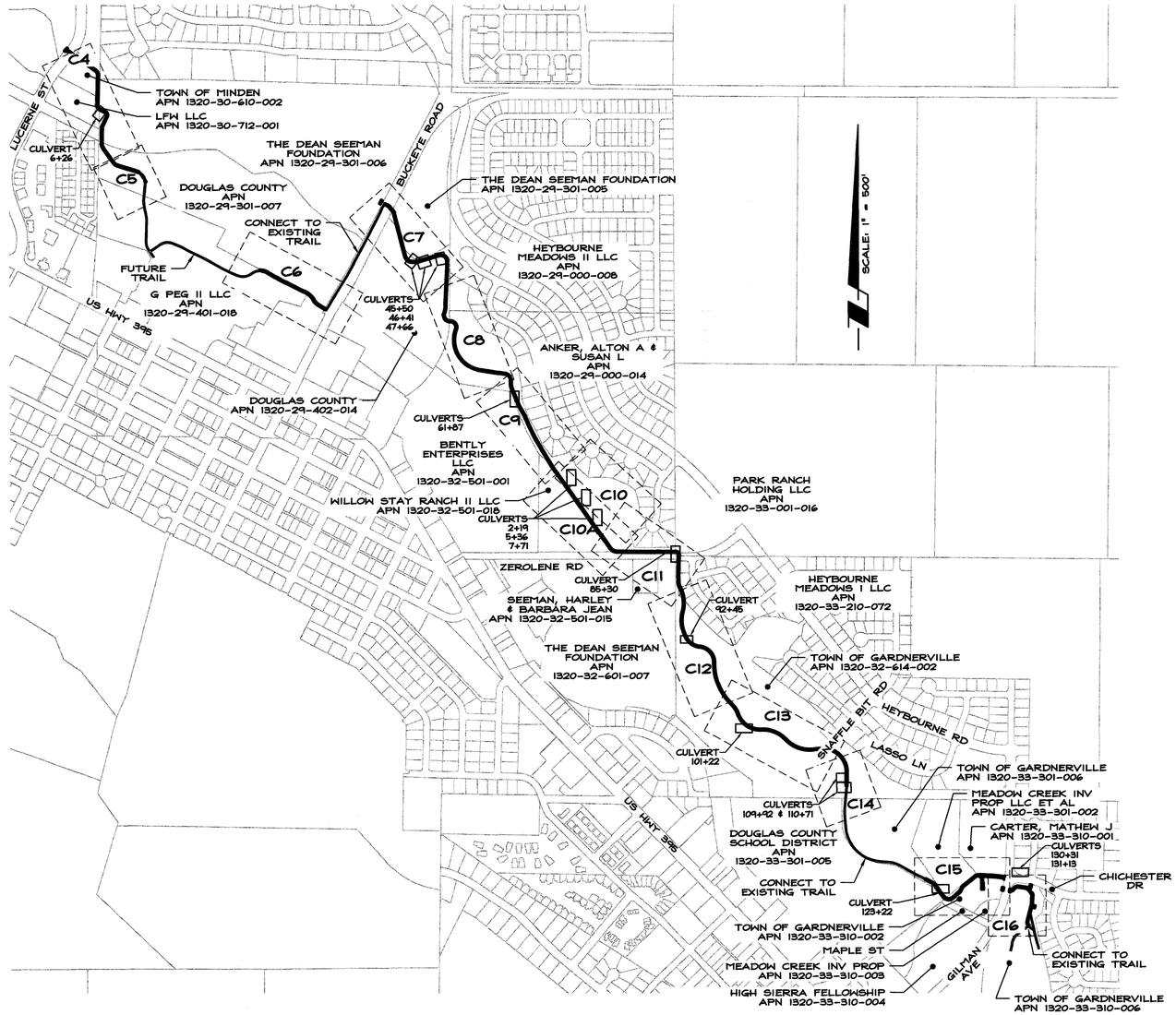
1" = 2000'

PROJECT SUMMARY

OWNER/ APPLICANT:	DOUGLAS COUNTY C/O CLERK-TREASURER PO BOX 218 MINDEN, NEVADA 89423 (775) 782-9005
OWNERS:	G PEG II LLC 1627 N HWY 395 MINDEN, NEVADA 89423 HEYBOURNE MEADOWS I, LLC 4464 RIDGE CREST CIRCLE BOUNTIFUL, UT 84010 HEYBOURNE MEADOWS II, LLC 4464 RIDGE CREST CIRCLE BOUNTIFUL, UT 84010 ALTON AND SUE ANKER PO BOX 995 MINDEN, NV 89423 WILLOW STAY, LLC PO BOX 995 MINDEN, NV 89423 THE DEAN SEEMAN FOUNDATION 1692 COUNTY RD STE A MINDEN, NEVADA 89423 TOWN OF GARDNERVILLE 1407 N HWY 395 GARDNERVILLE, NEVADA 89410 (775) 782-7134 TOWN OF MINDEN PO BOX 205 MINDEN, NEVADA 89423 (775) 782-5476
CIVIL ENGINEER:	R.O. ANDERSON ENGINEERING, INC. P.O. BOX 2229 MINDEN, NEVADA 89423 (775) 782-2322
A.P.N.:	1320-29-301-006, 1320-29-301-007, 1320-29-401-018, 1320-29-402-014, 1320-29-000-014, 1320-30-610-002, 1320-32-614-002, 1320-33-210-063, 1320-33-301-006, 1320-33-310-002, 1320-33-310-006

SERVICES

FIBEROPTIC:	FRONTIER 1520 CHURCH STREET GARDNERVILLE, NEVADA 89410 (775) 782-0369
DOUGLAS COUNTY:	1594 ESMERALDA AVENUE P.O. BOX 218 MINDEN, NEVADA 89423 (775) 782-9005



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SCALE: 1" = 500'

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C10A	TRAIL PLAN AND PROFILE STA. AA0+00 TO 10+00
C11	TRAIL PLAN AND PROFILE STA. 80+00 TO 89+75
C12	TRAIL PLAN AND PROFILE STA. 89+75 TO 99+50
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C13	TRAIL PLAN AND PROFILE STA. 99+50 TO 109+25
C14	TRAIL PLAN AND PROFILE STA. 109+25 TO 112+75
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APPROVALS

DOUGLAS COUNTY ENGINEER	DATE
TOWN OF GARDNERVILLE	DATE
TOWN OF MINDEN	DATE
EAST FORK FIRE AND PARAMEDIC DISTRICT	DATE

CALL 811 BEFORE YOU DIG

BID SET-2-12-2021

NO.	DATE	REVISION BLOCK	BY

1 0 1 2
500' 0 500' 1000'
SCALE: 1" = 500'

R.O. Anderson
WWW.ROANDERSON.COM
MINDEN
1603 Esmeralda Ave
P.O. Box 2229
Minden, NV 89423
p 775.782.2322
f 775.782.2094
RENO
9060 Double Diamond Pkwy, Unit 1B
Reno, NV 89521
p 775.782.2322
f 775.782.2094

Experience Life
DOUGLAS COUNTY
GREAT PEOPLE & GREAT PLACES

MARTIN SLOUGH MULTIMODAL TRAIL
DOUGLAS COUNTY, NEVADA
TAP-0005(002)

COVER SHEET

PROFESSIONAL ENGINEER - STATE OF NEVADA
ROBERT O. ANDERSON
Exp. 12-31-22
CIVIL
No. 7261
2-13-21

DRAWN: KLM	JOB: 0110-107
ENGINEER: ROA	DRAWING: SEE PLOT STAMP
SCALE: 1"=500'	SHEET: C1
DATE: 2-12-2021	OF: 22 SHEETS

Y:\Client Files\0110\0110-107\CAD\Engineering\Improvement Plans\0110-107C01.dwg 2/12/2021 2:01:16 PM Kristin Morten

SYMBOLS

EXISTING	PROPOSED	
		CENTERLINE MONUMENT
CM		COMMUNICATION MANHOLE
COM		COMMUNICATION VAULT
ELEC		ELECTRICAL/POWER MANHOLE
ELEC		ELECTRICAL/POWER VAULT
ELEC		ELECTRICAL/POWER PULL BOX
TRAN		ELECTRICAL/POWER TRANSFORMER
		FIRE HYDRANT
	△	REVISION NUMBER
SS		SANITARY SEWER MANHOLE
CO		SANITARY SEWER CLEANOUT
		SIGN
		STORM DRAIN CATCH BASIN (SINGLE)
		STORM DRAIN DROP INLET
		STORM DRAIN FLARED END SECTION
SD	SD	STORM DRAIN MANHOLE
		STREET LIGHT
	◆	SURVEY CONTROL POINT
U		UTILITY POLE
U		UTILITY GUY POLE
		UTILITY GUY ANCHOR
W WV		WATER VALVE

HATCHING

EXISTING PAVEMENT	PROPOSED PAVEMENT
EXISTING CONCRETE	PROPOSED CONCRETE
EXISTING WETLAND AS IDENTIFIED	PROPOSED AGGREGATE
EXISTING CULTURAL SITES	
EXISTING FLOODWAY	

ABBREVIATIONS

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
ADA	AMERICANS WITH DISABILITIES ACT OF 1990
ADT	AVERAGE DAILY TRAFFIC
ALT	ALTITUDE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APN	ASSESSOR'S PARCEL NUMBER
APPROX	APPROXIMATELY
APWA	AMERICAN PUBLIC WORKS ASSOCIATION
	AIR RELEASE VALVE
ARV	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASCE	AMERICAN SOCIETY OF TESTING AND MATERIALS
ASTM	AT
	AMERICAN WELDING SOCIETY
@	AMERICAN WATER WORKS ASSOCIATION
AWS	
AWWA	
BC	BEGIN CURVE
BCR	BEGINNING OF CURB RETURN
BFE	BASE FLOOD ELEVATION
BLD	BUILDING
BOW	BOTTOM OF WALL
BS	BOTH SIDES
BW	BACK OF WALK
BW	BARBED WIRE
CAP	CORRUGATED ALUMINUM PIPE
CAPA	CORRUGATED ALUMINUM PIPE ARCH CURB AND GUTTER
CBG	CATCH BASIN
CB	CARSON CITY
CC	CUBIC FOOT
CF	CHAIN LINK
CHL	CURB INLET(THROUGH)
CL	CENTER LINE
CL	CORRUGATED METAL PIPE
CMP	CLEAN OUT
CO	COMPACTION
COMP	CONIFEROUS
CON	CROWN OF ROAD
CRN	CORRUGATED STEEL PIPE
CSP	CORRUGATED STEEL PIPE ARCH
CSPA	CULVERT INVERT
CUL	CUBIC YARD
CY	
°	DEGREES
D	DIRT
DCCD	DOUGLAS COUNTY COMMUNITY DEVELOPMENT
DEC	DECIDUOUS
DF	DEEPEND FOOTING
DG	DECOMPOSED GRANITE
DI	DROP INLET
DIA(Ø)	DIAMETER
E	EAST
EA	EACH
EC	END CURVE
ECR	END OF CURB RETURN
ED	EDGE
EGL	ENERGY GRADE LINE
ELEC	ELECTRICAL
ELEV	ELEVATION
EP	EDGE OF PAVEMENT
EPA	ENVIRONMENTAL PROTECTION AGENCY
	END VERTICAL CURVE
EVC	EDGE OF WATER
EW	EXISTING
EX	
F	FAHRENHEIT
FC	FACE OF CURB
FC	FIRE CONNECTION
FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY
FF	FINISHED FLOOR
FG	FINISHED GRADE
FH	FIRE HYDRANT
FL	FLOWLINE
FNC	FENCE
FND	FOUND MONUMENT, CORNER OR CONTROL POINT
FS	FIRE STUB
FT(')	FOOT(FEET)
G	GAS
G	GATE
GA	GUY ANCHOR
GB	GRADE BREAK
GID	GENERAL IMPROVEMENT DISTRICT
GP	GUY POLE
GPM	GALLONS PER MINUTE
GR	GRAVEL
GS	GROUND SHOT
H/C	HANDICAP
HDPE	HIGH DENSITY POLYETHYLENE
HDS	HYDRAULIC DESIGN SERIES
HEC	HYDRAULIC ENGINEERING CIRCULAR
	HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE
HERCP	HYDRAULIC GRADE LINE
HGL	HAND HOLE
HH	HORIZONTAL
HORIZ	HOG WIRE
HW	
ID	INNER DIAMETER
IE	INVERT ELEVATION
IN(")	INCH
INC	INCORPORATED
INTX	INTERSECTION
IRRIG	IRRIGATION
ITE	INSTITUTE OF TRANSPORTATION ENGINEERS
LAT	LATERAL
LOS	LEVEL OF SERVICE
LS	LUMP SUM
LT	LIGHT
M	METER
MAX	MAXIMUM
MGD	MILLION GALLONS PER DAY
MGSD	MINDEN GARDNERVILLE SANITATION DISTRICT
MH	MANHOLE
M	METER
MAX	MAXIMUM
MGD	MILLION GALLONS PER DAY
MGSD	MINDEN GARDNERVILLE SANITATION DISTRICT
MH	MANHOLE
MI	MILE
MIN	MINIMUM
MISC	MISCELLANEOUS
MIX	MIXED
MPH	MILES PER HOUR
MUTCD	MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
N	NORTH
NAC	NEVADA ADMINISTRATIVE CODE
NDEP	NEVADA DIVISION OF ENVIRONMENTAL PROTECTION
NDOT	NEVADA DEPARTMENT OF TRANSPORTATION
NE	NORTHEAST
NEC	NATIONAL ELECTRIC CODE
NFIP	NATIONAL FLOOD INSURANCE PROGRAM
NSF	NATIONAL SANITATION FOUNDATION
NO	NUMBER
NOAA	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NRCS	NATIONAL RESOURCE CONSERVATION SERVICE
NRS	NEVADA REVISED STATUTES
NTS	NOT TO SCALE
NW	NORTHWEST
NWS	NATIONAL WEATHER SERVICE
NPI	NON PAYMENT ITEM
OC	ON CENTER
OD	OUTER DIAMETER
OSHA	OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970
O/H	OVERHEAD
±	PLUS OR MINUS
P	POWER
PC	POINT OF CURVATURE
PDL	PADDLE
PE	PROFESSIONAL ENGINEER LICENSED BY THE STATE OF NEVADA
PE	PEDESTAL
PED	PEDESTRIAN CROSSING
PEDX	PARKING
PK	PERCENT
%	PROPERTY LINE
P/L	PROBABLE MAXIMUM FLOOD
PMF	POINT
PNT	PAINT MARK
PNT	PUSH ON
PO	POUNDS PER SQUARE INCH
PSI	POINT OF TANGENCY
PT	PUBLIC UTILITY EASEMENT
PUE	POLYVINYL CHLORIDE
PVC	
R	RADIUS
R	ROCK
R	RISER
RB	RIVER BED
RCBC	REINFORCED CONCRETE BOXED CULVERT
	REINFORCED CONCRETE PIPE
RCP	RIGHT OF WAY
ROW	REGIONAL TRANSPORTATION COMMISSION
RTC	OF DOUGLAS COUNTY
S	SIGN
S	SLOPE
S	SOUTH
SAD	SURFACE AREA DISTURBANCE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SDR	STANDARD DIMENSION RATIO
SE	SOUTHEAST
SET	SET MONUMENT, CORNER OR CONTROL POINT
SF	SQUARE FOOT(FEET)
SPP	STRUCTURAL PLATE PIPE
SPPA	STRUCTURAL PLATE PIPE ARCH
SRV	SERVICE
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
ST	STREET
STA	STATION
STB	STUB
STD	STANDARD
SW	SOUTHWEST
S/W	SIDEWALK
SWPPP	STORMWATER POLLUTION PREVENTION PLAN
T	TELEPHONE
TBC	TOP BACK OF CURB
TC	TOP OF CURB
TRB	TRANSPORTATION RESEARCH BOARD
	TOE OF SLOPE
TOE	TOP OF SLOPE
TOP	TOP OF WALL
TOW	TREE
TOW	TRAFFIC CONTROL
TR	TELEVISION
TRF	TYPICAL
TV	
TYP	
U	UTILITY
UBC	UNIFORM BUILDING CODE
UG	UNDERGROUND
UMC	UNIFORM MECHANICAL CODE
UNO	UNLESS NOTED OTHERWISE
UPC	UNIFORM PLUMBING CODE
USACE	UNITED STATES ARMY CORPS OF ENGINEERS
USBR	UNITED STATES BUREAU OF RECLAMATION
USGS	UNITED STATES GEOLOGICAL SURVEY
V	VALVE
VA	VAULT
VC	VERTICAL CURVE
VG	VALLEY GUTTER
VERT	VERTICAL
VPC	VERTICAL POINT OF CURVATURE
VPT	VERTICAL POINT OF TANGENCY
W	WEST
W/	WITH
WEF	WATER ENVIRONMENT FEDERATION
	WALL
WL	WALKWAY
WK	WATER GATE VALVE
WV	
YR	YEAR

NOTES

GENERAL

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR GENERAL SITE SAFETY DURING CONSTRUCTION AND ALL WORK SHALL CONFORM TO PERTINENT SAFETY REGULATIONS AND CODES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND/OR PROTECTION OF ALL EXISTING AND PROPOSED PIPING. UTILITIES, STRUCTURES, ADJACENT STREETS, AND IMPROVEMENTS DURING THE PERIOD OF CONSTRUCTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION AND SHORING PROCEDURES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE ENGINEER OF ANY DISCREPANCIES IN THE IMPROVEMENT PLANS.
5. THE ENGINEER OF RECORD SHALL SUPPLY DOUGLAS COUNTY, A SET OF REPRODUCIBLE AS-BUILT DRAWINGS IN PDF AND .DWG FORMAT.
6. THE PAVEMENT SURFACE WHEN COMPLETED, SHALL BE SMOOTH, DENSE, WELL BONDED AND OF UNIFORM TEXTURE AND APPEARANCE. ALL AREAS SHALL DRAIN AND BE FREE OF STANDING WATER.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AT HIS EXPENSE ALL PERMITS REQUIRED.
8. ALL UNSPECIFIED CONCRETE SHALL BE 4000 PSI WITH 6% AIR ENTRAINMENT ±1.5%.
9. THE CONTRACTOR SHALL MAINTAIN A CLEAN PROJECT SITE, REMOVING CONSTRUCTION DEBRIS AT THE END OF EACH ACTIVITY. THE CONTRACTOR SHALL MAINTAIN DEBRIS FREE CONSTRUCTION ROUTES, ADJACENT STREETS AND STORM DRAIN SYSTEMS.
10. ALL TRAFFIC CONTROL AND BARRICADING WITHIN THE PUBLIC RIGHTS-OF-WAY SHALL CONFORM TO PART VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION. NO STREET CLOSURES WILL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF A TRAFFIC CONTROL PLAN BY THE DOUGLAS COUNTY ENGINEERING DIVISION.
11. THE CONTRACTOR SHALL CONDUCT A PRE-CONSTRUCTION MEETING WITH PERMITTING AGENCIES & UTILITY PURVEYORS PRIOR TO CONSTRUCTION.
12. NO WORK SHALL BE STARTED WITHOUT FIRST NOTIFYING THE COUNTY INSPECTOR AT (775) 782-6237 AT LEAST 2 WORKING DAYS BEFORE WORK IS COMMENCED.
13. THE ENGINEER OF RECORD SHALL PROVIDE THE COUNTY WITH COPIES OF ALL TEST RESULTS ARRANGED IN CHRONOLOGICAL ORDER, AT THE COMPLETION OF THE PROJECT. THE ENGINEER OF RECORD SHALL PROVIDE THE COUNTY WITH AN OPINION REGARDING THE CONSTRUCTION SIMILAR TO THE FOLLOWING:
    I HEREBY CERTIFY THAT I AM A LICENSED ENGINEER IN THE STATE OF NEVADA. TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THE PROJECT WAS CONSTRUCTED IN GENERAL CONFORMANCE WITH THE PLANS AND SPECIFICATIONS, AND IN MY PROFESSIONAL OPINION, IS IN COMPLIANCE WITH APPLICABLE LAWS, CODES AND ORDINANCES.
14. ALL WORK SHALL CONFORM (AT A MINIMUM) TO THE LATEST EDITION OF THE FOLLOWING CODES AS ADOPTED BY THE COUNTY:
    a. STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (THE ORANGE BOOK).
    b. INTERNATIONAL BUILDING CODE.
    c. OSHA REQUIREMENTS FOR EXCAVATION.
    d. DOUGLAS COUNTY DESIGN CRITERIA & IMPROVEMENT STANDARDS.
    e. SPECIAL REQUIREMENTS OF THE PERMIT AS MAY BE APPLICABLE.
    f. M.U.T.C.D.
15. EXISTING INFRASTRUCTURE SHALL BE PROTECTED IN-PLACE THROUGHOUT THE COURSE OF CONSTRUCTION. DAMAGED INFRASTRUCTURE SHALL BE REPAIRED OR REPLACED AS NECESSARY BY THE CONTRACTOR AT THE SOLE COST & EXPENSE OF THE CONTRACTOR PRIOR TO COMPLETION OF THE PROJECT.

GRADING

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SOILS REPORT PREPARED BY BLACK EAGLE CONSULTING DATED OCTOBER 24, 2014 AND SPECIAL REQUIREMENTS OF THE PERMIT. VIOLATIONS WILL RESULT IN THE STOPPAGE OF ALL WORK UNTIL THE VIOLATION IS CORRECTED.
2. SLOPES SHALL BE NO STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL, OR AS DETERMINED BY THE SOILS ENGINEER AND APPROVED BY THE COUNTY.
3. FILLS SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AND THE SOILS REPORT.
4. PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS SHALL BE USED TO PROTECT ADJOINING PROPERTIES DURING CONSTRUCTION OF IMPROVEMENTS.
5. DUST SHALL BE CONTROLLED BY THE CONTRACTOR TO THE SATISFACTION OF THE COUNTY, AND IN ACCORDANCE WITH THE AIR QUALITY PERMIT FROM THE NEVADA DIVISION OF ENVIRONMENTAL PROTECTION WHEN REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE PERMITS WHEN REQUIRED.
6. ALL STREETS SHALL BE MAINTAINED FREE OF DUST AND MUD CAUSED BY GRADING OPERATIONS. ALL OPERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE STORMWATER DISCHARGE PERMIT FROM THE NEVADA DIVISION OF ENVIRONMENTAL PROTECTION WHEN REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE PERMITS WHEN REQUIRED.
7. FINISHED GRADING WILL BE COMPLETED AND APPROVED, BEFORE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
8. NO ROCK OR SIMILAR MATERIAL GREATER THAN 4" IN DIAMETER SHALL BE PLACED IN THE FILL UNLESS RECOMMENDATIONS FOR SUCH PLACEMENT HAVE BEEN SUBMITTED BY THE SOILS ENGINEER IN ADVANCE AND APPROVED BY THE COUNTY.
9. THE SOILS ENGINEER SHALL APPROVE ALL GRADING INCLUDING COMPACTION REQUIREMENTS AND THE STABILITY OF SLOPES CREATED, EXISTING OR REMAINING.
10. IN THE EVENT OF CHANGES ARISING DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE ENGINEER. THE ENGINEER WILL DETERMINE AN ACCEPTABLE SOLUTION AND REVISE THE PLANS FOR REVIEW AND APPROVAL BY THE COUNTY. NO CHANGES IN THE DESIGN WILL BE PERMITTED UNLESS WRITTEN APPROVAL IS GIVEN BY THE COUNTY.
11. EROSION CONTROL:
    a. IN CASE OF EROSION CONTROL EMERGENCY CALL DOUGLAS COUNTY INSPECTOR AT (775) 690-6468 OR NDEP AT (775) 687-9418.
    b. A STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES. NECESSARY MATERIALS SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT APPROVED LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES OR TO REPAIR DAMAGED EROSION CONTROL MEASURES.
    c. AFTER A RAINSTORM, ALL SILT AND DEBRIS SHALL BE REMOVED FROM CHECK BERMS AND DESILTING FACILITIES. GRADED SLOPE SURFACE PROTECTION MEASURES DAMAGED DURING THE RAINSTORM SHALL ALSO BE REPAIRED.
    d. FILL SLOPES AT THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE TOP OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
    e. A SIX-FOOT HIGH PERIMETER FENCE OR A 24-HOUR GUARD SHALL BE POSTED ON THE SITE WHENEVER THE DEPTH OF WATER IN A FACILITY EXCEEDS 18 INCHES.
    f. STORMWATER SHALL BE CONTROLLED BY THE CONTRACTOR TO THE SATISFACTION OF THE COUNTY AND IN ACCORDANCE WITH THE NEVADA DIVISION OF ENVIRONMENTAL PROTECTION STORMWATER PERMIT.
13. MASS ON-SITE EARTHWORK QUANTITIES ARE ESTIMATED AS FOLLOWS:

EARTHWORK	
CUT	= 497 CY
FILL	= 4882 CY
NET FILL	= 4,385 CY

    a. THE EARTHWORK QUANTITIES PRESENTED HERE ARE ESTIMATES FOR PERMITTING PURPOSES ONLY.
    b. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN EARTHWORK ESTIMATE.
    c. EARTHWORK VOLUMES SHOWN ARE IN-PLACE QUANTITIES.
    d. EARTHWORK QUANTITIES DO NOT INCLUDE REMOVAL OR FILL OF ROOT BALLS.
14. DE-WATERING IS ANTICIPATED TO BE REQUIRED FOR THIS PROJECT. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCING, SCHEDULING AND PERMITTING REQUIRED IN ORDER TO ADEQUATELY DE-WATER THE SITE IN ORDER TO FACILITATE CONSTRUCTION OF ALL PROPOSED IMPROVEMENTS NECESSARY FOR THE PROJECT.

UTILITIES

1. NOTIFY THE AFFECTED UTILITY AND UTILITY USERS 24 HOURS IN ADVANCE OF MAKING ANY NEW CONNECTIONS TO EXISTING UTILITIES OR DISRUPTION IN SERVICE.
2. EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. CONTRACTOR SHALL DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
3. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN AND THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITY LOCATIONS.
4. THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT "CALL BEFORE YOU DIG" (811) FORTY-EIGHT (48) HOURS PRIOR TO START OF CONSTRUCTION.
5. THE CONTRACTOR SHALL CALL TWENTY-FOUR (24) HOURS PRIOR TO REQUIRED INSPECTIONS AND TESTING. THE REQUIRED INSPECTIONS AND TESTING ARE LISTED ON THE INSPECTION RECORD ISSUED WITH EACH PERMIT. THE CONTRACTOR MUST HAVE THE PERMIT NUMBER AND THE DESCRIPTION LISTED ON THE INSPECTION RECORD TO SCHEDULE REQUIRED INSPECTIONS AND TESTING. THE CONTRACTOR SHALL CONTACT APPURTENANT UTILITY PURVEYOR.
6. THE APPROVED PLAN, PERMIT AND INSPECTION RECORD MUST BE ON THE JOB SITE AT ALL TIMES.
7. DRY UTILITY CONDUITS (FIBER) SHALL INCLUDE 1/4" NYLON PULL STRING UNLESS NOTED OTHERWISE WITHIN PLAN SET.

BASIS OF BEARING

N89°23'21"W - NORTH LINE OF THE SOUTHEAST 1/4 OF SECTION 29, T.13N., R.20E., M.D.M. AS SHOWN ON THE RECORD OF SURVEY TO SUPPORT A BOUNDARY LINE ADJUSTMENT FOR ALTON A. & SUSAN L. ANKER AND PARK CATTLE CO. RECORDED JUNE 28, 2006 AS DOCUMENT NO. 678199.

DATUM

VERTICAL DATUM FOR THIS PROJECT IS NAVD-88.

PROJECT BENCHMARK NGS J119 BRASS DISK IS LOCATED ON THE SIDE OF THE OLD HIGH SCHOOL BUILDING. ELEVATION = 4749.50'

HORIZONTAL DATUM:

ALL BEARINGS AND DISTANCES SHOWN ARE BASED ON A LOCAL COORDINATE SYSTEM. ALL DISTANCES SHOWN ARE GROUND DISTANCES (U.S. SURVEY FEET). TO PLACE PROJECT ON A NAD83 STATE PLANE COORDINATE SYSTEM, NEVADA WEST ZONE, MULTIPLY GROUND DISTANCES BY A COMBINED SCALE FACTOR OF 0.99980291 TO OBTAIN GRID DISTANCES.

NOTE:
TRAIL TO BE SEEDED WITH THE BLEND SEED MIXTURE. ENSURE SEED MIX IS WEED FREE.

BLEND SEED MIXTURE TO CONSIST OF:

SPECIES	LBS/ACRE	PLS LBS
WHEATGRASS STREAMBANK SO	5.00	5.00
WHEATGRASS SIBERIAN VAVILO	10.00	10.00
WHEATGRASS CRESTED NORDA	10.00	10.00
BLUEGRASS SANDBERG COMMI	2.00	2.00
WILDFLOWER CUSTOM MIX	0.50	0.50
RYEGRASS ANNUAL GULF	8.00	8.00

RESEED MIXTURES WITHIN THE MITIGATION AREAS WILL BE FREE INVASIVE SPECIES. THE MITIGATION AREA WILL BE SEEDED DURING THE DORMANT SEASON AFTER SHOOTS HAVE CEASED GROWTH IN FALL AND UNTIL GROWTH BEGINS IN THE SPRING. PLANTING WILL NOT BE ATTEMPTED IN FROZEN OR SNOW-COVERED GROUND. PRIOR TO SEEDING WITHIN THE WETLAND, THE TOPSOIL WILL BE SCARIFIED WITH A CHISEL PLOW OR RIPPER TO A DEPTH OF TWO TO FOUR INCHES TO LOOSEN ANY COMPACTED TOPSOIL. THE MITIGATION AREA WILL THEN BE SEEDED. HALF OF THE SEEDS WILL BE SPREAD BY WALKING IN ONE DIRECTION AND THE OTHER HALF OF THE SEEDS WILL BE SPREAD BY WALKING IN A PERPENDICULAR DIRECTION. AFTER HAND BROADCASTING THE SEEDS, THE AREA WILL BE RAKED AND GENTLY COMPACTED IN ORDER TO GET GOOD SEED-TO-SOIL CONTACT IN ORDER TO IMPROVE MOISTURE ABSORPTION.

LINE TYPES

EXISTING	NEW	
		BUILDING ENVELOPE
		CENTERLINE OF RIGHT-OF-WAY
100	100	CONTOUR - FIVE FOOT INTERVAL
99	99	CONTOUR - ONE FOOT INTERVAL
		EASEMENT
		EDGE OF PAVEMENT AND/OR CURB
		FLOW LINE
G G G		GAS LINE
TV TV		CABLE LINE
FO FO		FIBER OPTIC
SS SS		SANITARY SEWER MAIN
	18" SD	STORM DRAIN (TRENCH PER DC D01 ON C19)
W W W		WATER MAIN
BW		BARBED WIRE FENCE
		OTHER FENCE
		RIGHT-OF-WAY
		SILT FENCE
		GRADEBREAK
TV TV		UNDERGROUND COMMUNICATION
FO FO		FIBER OPTIC (3) 1 1/4" SDR-11 INTERDUCT BY OTHERS (TRENCH PER DETAIL ON C19)
		FLOOD PLAIN BOUNDARY

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MARTIN SLOUGH MULTIMODAL TRAIL
DOUGLAS COUNTY, NEVADA
TAP-0005(002)

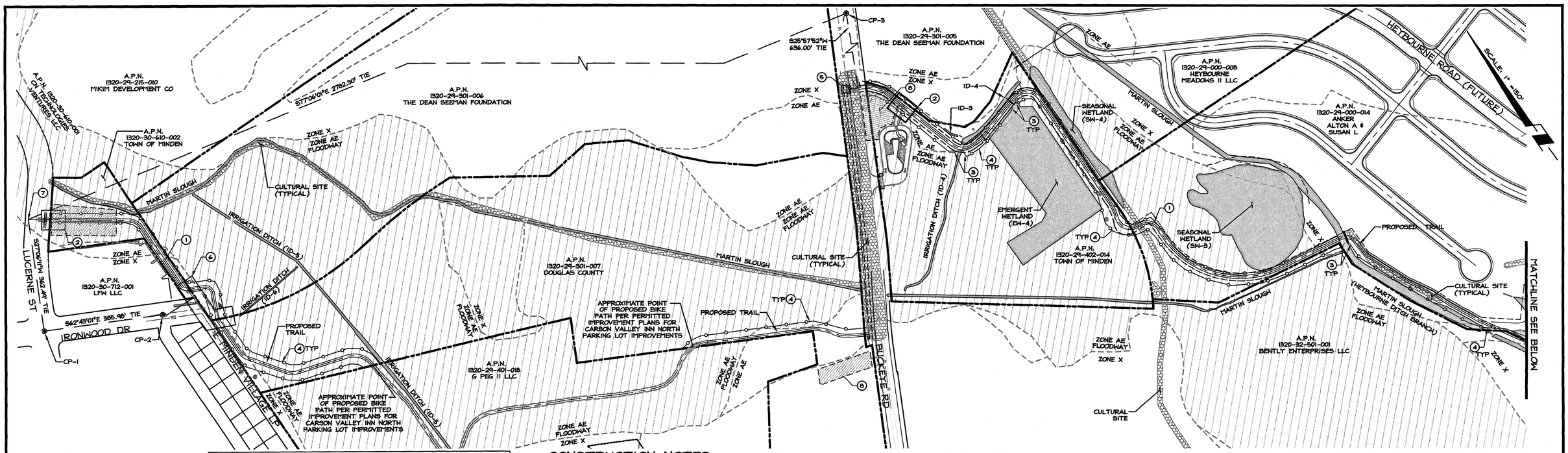
LEGEND, ABBREVIATIONS, AND NOTES

PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT O. ANDERSON
Exp. 12-31-22
CIVIL
No. 7261
2-12-21

DRAWN: KLM	JOB: 0110-107
ENGINEER: ROA	DRAWING: SEE PLOT STAMP
SCALE: 1"=500'	SHEET: C2
DATE: 2-12-2021	OF: 22 SHEETS

BID SET-2-12-2021

Y:\Client Files\0110\0110-107\CADD\Engineering\Improvement Plans\0110-107C02 Aug 2/12/2020 2:20:07 PM Kristin Horton



HATCH LEGEND

- WETLAND & WATERWAYS AS IDENTIFIED
- CULTURAL SITES
- FLOODWAY
- STAGING AREA

PROJECT CONTROL POINTS

POINT #	NORTHING	EASTING	ELEV.	DESCRIPTION
CP-1	10037.594	9981.455	4709.03	CL MONUMENT AT IRONWOOD & LUCERNE, RLS 6304
CP-2	9860.665	10324.499	4711.47	CL MONUMENT AT IRONWOOD & W MINDEN VILLAGE LOOP
CP-3	9739.143	12656.667	4721.46	CL MONUMENT ON BUCKEYE, ROA CAP
CP-4	4238.328	17249.714	4748.31	CL MONUMENT AT GILMAN & CHICHESTER, PLS 6899

CONSTRUCTION NOTES

1. SYMBOL USED FOR SPECIFIC NOTE CALLOUT.
1. CLEAR AND GRUB AREA (3.77± ACRES).
2. CONSTRUCTION ENTRANCE. REFER TO DETAIL ON SHEET C17.
3. STRAW BALE SEDIMENT BARRIER. REFER TO DETAIL ON SHEET C17.
4. FILTER FENCING SHALL BE PLACED ON THE DOWNHILL SIDE OF ALL IMPROVEMENTS. REFER TO DETAIL ON SHEET C17.
5. DEMO. PORTION OF CURB AND LANDSCAPING FOR TRAIL TIE-IN.
6. REMOVE 171 LF OF EX. FENCING AND EX. GATE TO BE RELOCATED.
7. STATION 0+00, BEGINNING OF PROJECT
8. STAGING AREA

GENERAL NOTES

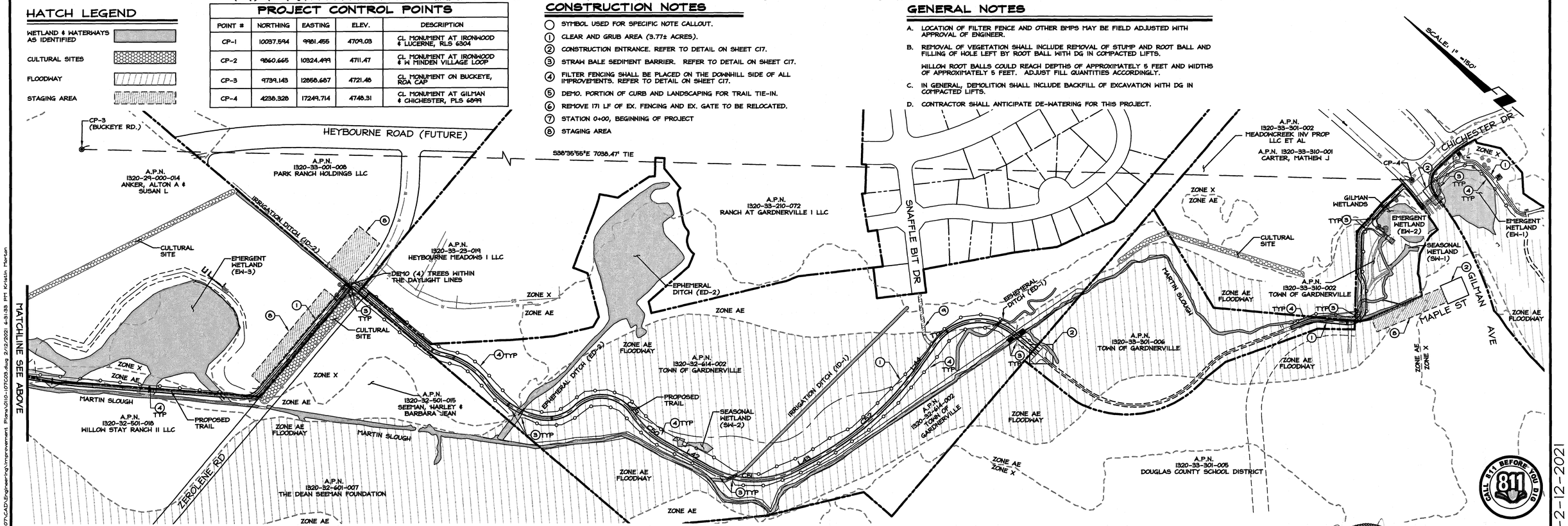
A. LOCATION OF FILTER FENCE AND OTHER BMPS MAY BE FIELD ADJUSTED WITH APPROVAL OF ENGINEER.

B. REMOVAL OF VEGETATION SHALL INCLUDE REMOVAL OF STUMP AND ROOT BALL AND FILLING OF HOLE LEFT BY ROOT BALL WITH DG IN COMPACTED LIFTS.

WILLOW ROOT BALLS COULD REACH DEPTHS OF APPROXIMATELY 5 FEET AND WIDTHS OF APPROXIMATELY 5 FEET. ADJUST FILL QUANTITIES ACCORDINGLY.

C. IN GENERAL, DEMOLITION SHALL INCLUDE BACKFILL OF EXCAVATION WITH DG IN COMPACTED LIFTS.

D. CONTRACTOR SHALL ANTICIPATE DE-WATERING FOR THIS PROJECT.



CALL 811 BEFORE YOU DIG

NO.	DATE	REVISION BLOCK	BY

SCALE: 1" = 150'

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Minden, NV 89423
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MARTIN SLOUGH MULTIMODAL TRAIL
DOUGLAS COUNTY, NEVADA
TAP-0005(002)

EXISTING CONDITIONS, DEMO, EROSION CONTROL AND PROJECT CONTROL

PROFESSIONAL ENGINEER - STATE OF NEVADA
ROBERT O. ANDERSON
Exp. 12-31-22
CIVIL
No. 7161

2-12-21

DRAWN: KLM	JOB: 0110-107
ENGINEER: ROA	DRAWING: SEE PLOT STAMP
SCALE: 1"=150'	SHEET: C3
DATE: 2-12-2021	OF: 22 SHEETS

BID SET-2-12-2021

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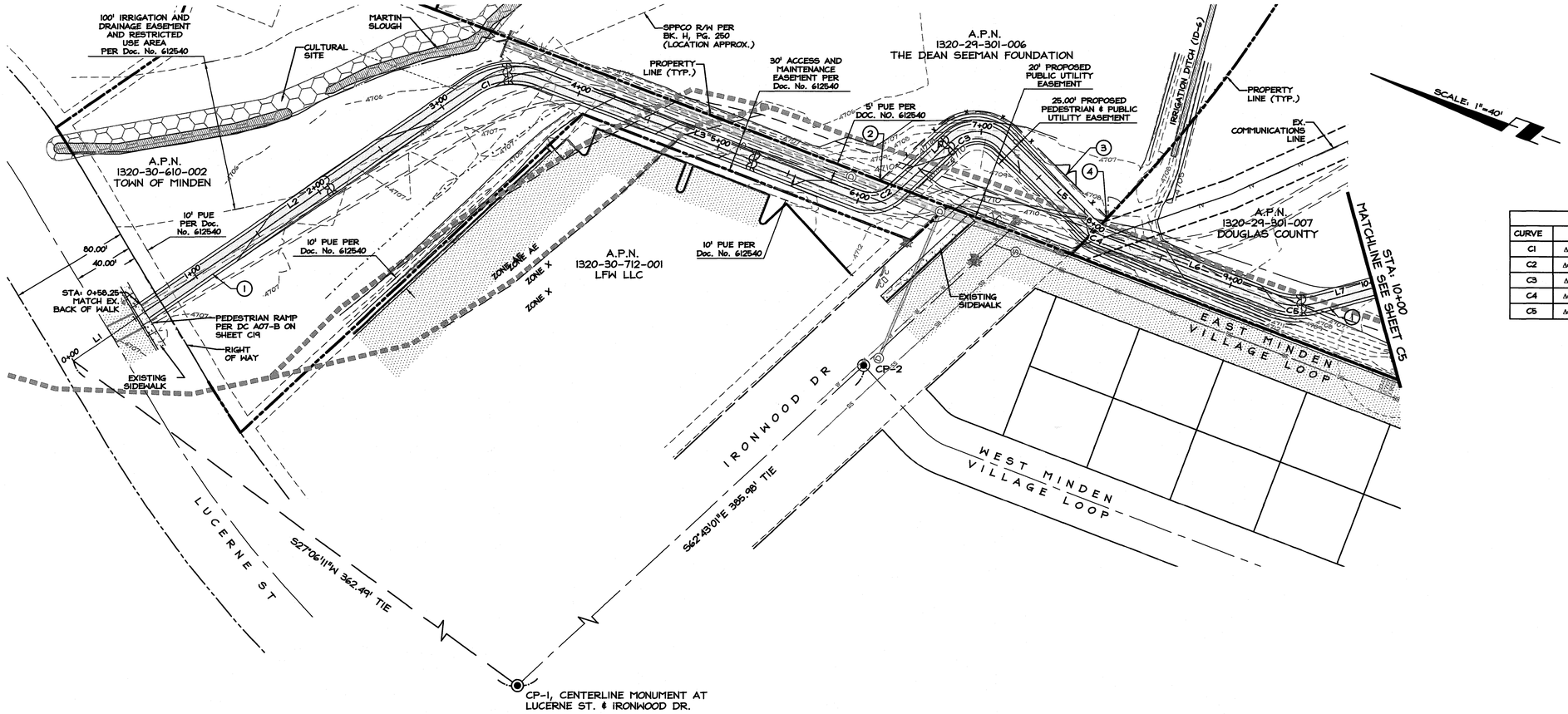


Line Table		
LINE	BEARING	LENGTH
L1	S54°17'52"E	50.25'
L2	S54°17'52"E	265.61'
L3	S0°56'32"W	227.54'
L4	S62°43'33"E	51.11'
L5	S24°50'28"W	79.86'
L6	S0°56'32"W	122.33'
L7	S35°10'22"E	136.78'

Curve Table					
CURVE	DELTA	RADIUS	LENGTH	CHORD BEARING	CHORD LENGTH
C1	Δ=55°14'24"	50.00'	48.21'	N26°40'40"W	46.36'
C2	Δ=63°40'05"	25.00'	27.78'	S30°53'30"E	26.37'
C3	Δ=87°34'01"	25.00'	38.21'	N18°56'32"W	34.60'
C4	Δ=23°53'56"	25.00'	10.43'	S12°53'30"W	10.35'
C5	Δ=36°06'54"	50.00'	31.52'	S17°06'55"E	31.00'

CONSTRUCTION NOTES

(#) SYMBOL USED FOR SPECIFIC NOTE CALLOUT.

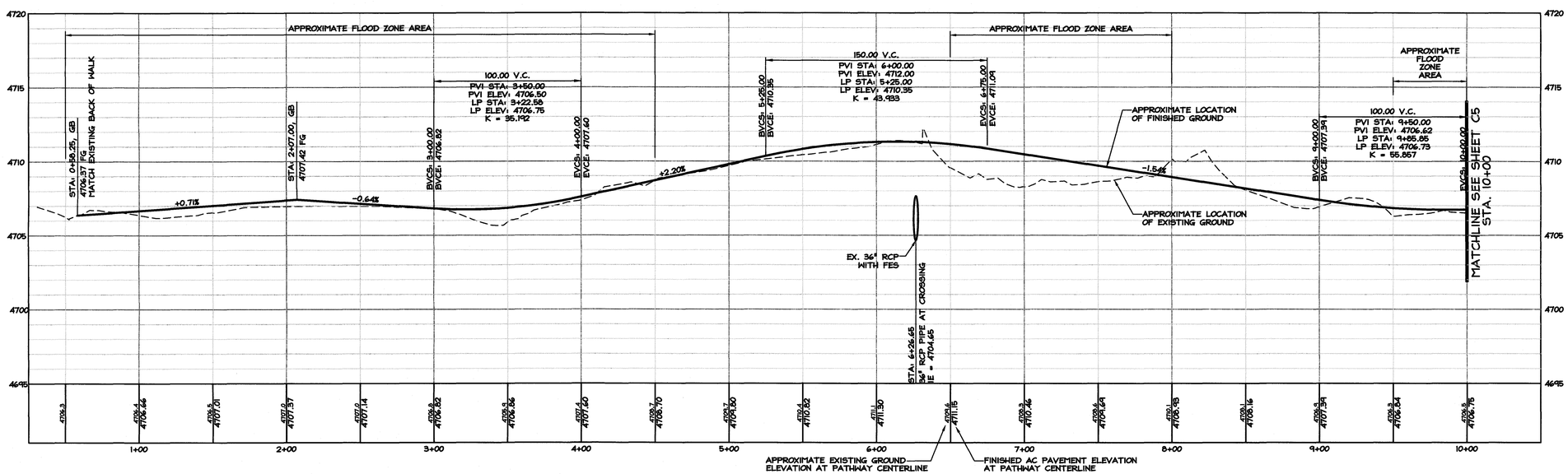
(1) PROPOSED MULTIMODAL TRAIL. REFER TO TYPICAL CROSS SECTION DETAIL ON SHEET C17.

(2) BEGIN FENCE, STA: 6+22.8 13.3'LT PER DETAIL ON C19.

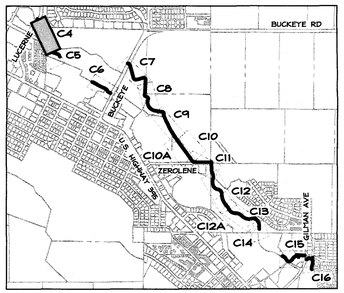
(3) CENTERLINE OF RELOCATED 20' WIDE GATE, STA: 7+61.8 13.5'LT PER DETAIL ON C19.

(4) END FENCE, STA: 8+05.3 12.8'LT PER DETAIL ON C19.

NOTE: NOT ALL CONSTRUCTION NOTES LISTED MAY BE APPLICABLE TO THIS SHEET.



HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'



INDEX MAP
NTS

CALL 811 BEFORE YOU DIG

NO.	DATE	REVISION BLOCK	BY

SCALE: 1" = 40'

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MARTIN SLOUGH MULTIMODAL TRAIL
DOUGLAS COUNTY, NEVADA
TAP-0005(002)

TRAIL
PLAN AND PROFILE STA. 0+00 TO 10+00

PROFESSIONAL ENGINEER STATE OF NEVADA ROBERT O. ANDERSON Exp. 12-31-22 CIVIL No. 7761

9-18-21

DRAWN: KLM	JOB: 0110-107
ENGINEER: ROA	DRAWING: SEE PLOT STAMP
SCALE: 1"=40'	SHEET: C4
DATE: 2-12-2021	OF: 22 SHEETS

BID SET-2-12-2021

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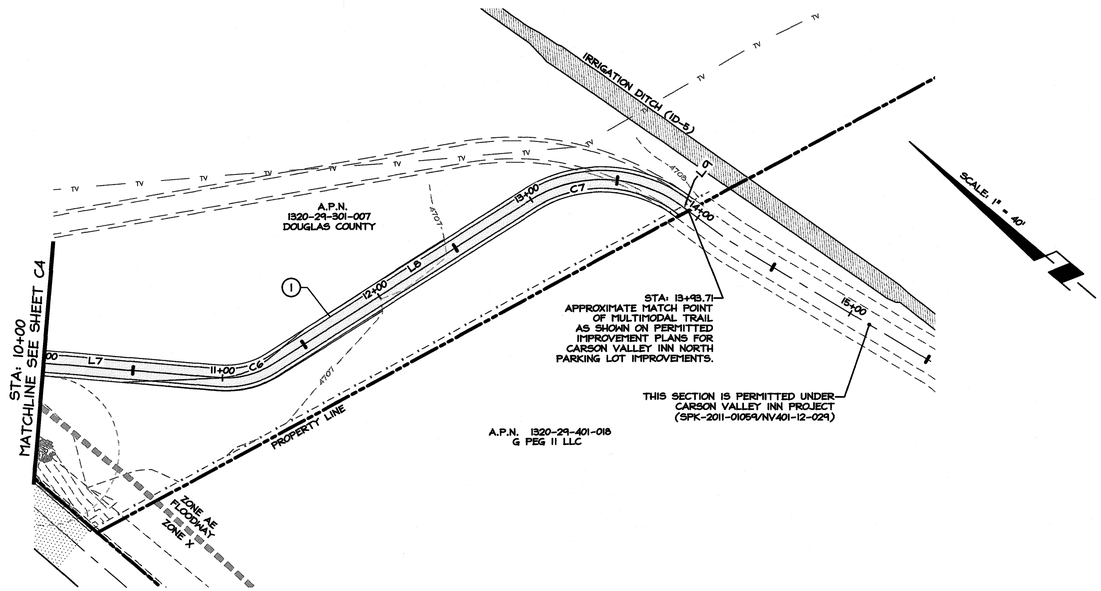


Line Table		
LINE	BEARING	LENGTH
L7	S35°10'22"E	136.78'
L8	S72°16'17"E	168.81'
L9	S3°40'39"E	5.11'

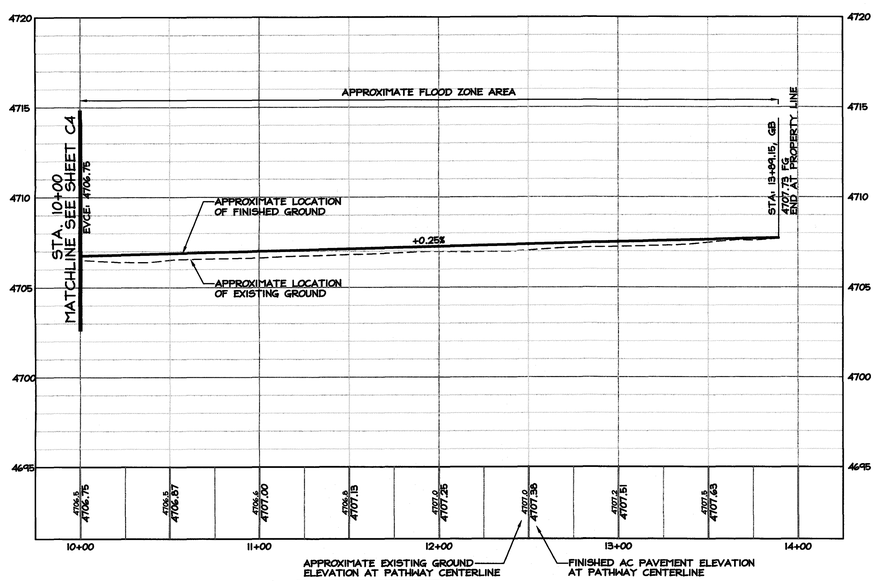
Curve Table					
CURVE	DELTA	RADIUS	LENGTH	CHORD BEARING	CHORD LENGTH
C6	Δ=37°05'55"	50.00'	32.37'	S53°43'20"E	31.81'
C7	Δ=68°35'38"	75.00'	89.79'	N37°58'28"W	84.52'

CONSTRUCTION NOTES

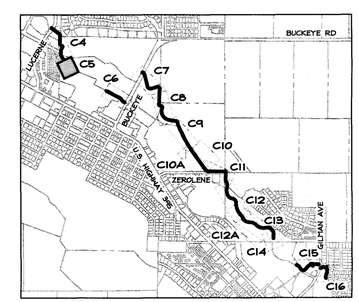
(◯) SYMBOL USED FOR SPECIFIC NOTE CALLOUT.

(1) PROPOSED MULTIMODAL TRAIL. REFER TO TYPICAL CROSS SECTION DETAIL ON SHEET C17.

#NOTE:
NOT ALL CONSTRUCTION NOTES LISTED MAY BE APPLICABLE TO THIS SHEET.



HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'



INDEX MAP
NTS

NO.	DATE	REVISION BLOCK	BY

SCALE: 1" = 40'

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MARTIN SLOUGH MULTIMODAL TRAIL
DOUGLAS COUNTY, NEVADA
TAP-0005(002)

TRAIL
PLAN AND PROFILE
STA. 10+00 TO 13+93.71

PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT O. ANDERSON
Exp. 12-31-22
CIVIL
No. 7761
2-18-21

DRAWN: KLM	JOB: 0110-107
ENGINEER: ROA	DRAWING: SEE PLOT STAMP
SCALE: 1"=40'	SHEET: C5
DATE: 2-12-2021	OF: 22 SHEETS

BID SET-2-12-2021

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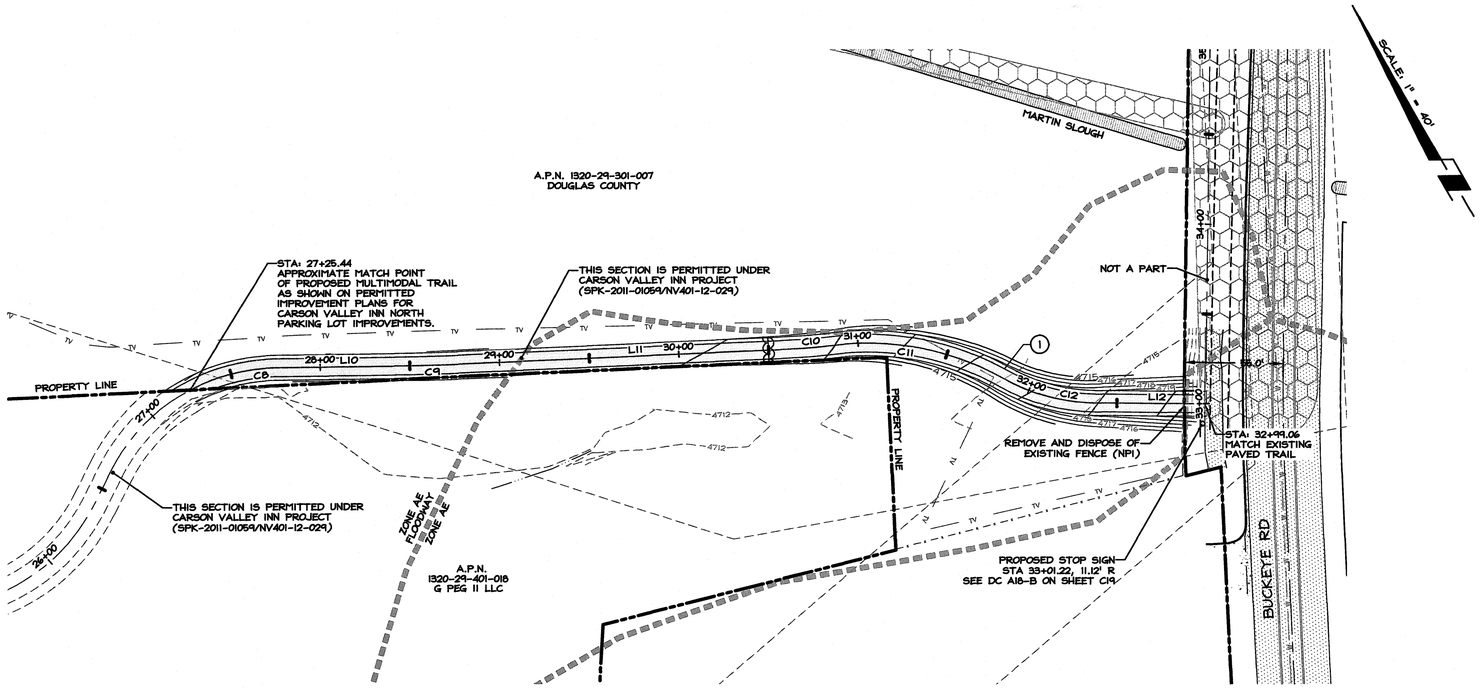


Line Table		
LINE	BEARING	LENGTH
L10	S60°36'45"E	74.73'
L11	S62°38'42"E	189.50'
L12	S59°32'01"E	62.21'

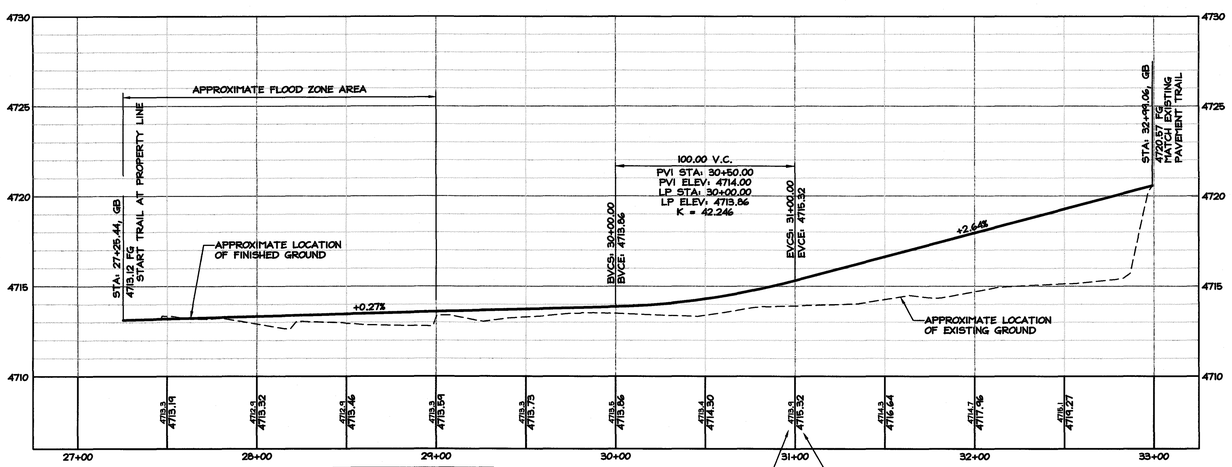
Curve Table					
CURVE	DELTA	RADIUS	LENGTH	CHORD BEARING	CHORD LENGTH
C8	Δ=27°18'58"	105.00'	50.06'	N74°16'14"W	49.59'
C9	Δ=2°01'57"	595.00'	21.11'	S61°37'43"E	21.11'
C10	Δ=4°45'24"	295.00'	24.49'	S65°01'24"E	24.48'
C11	Δ=37°12'25"	153.13'	99.44'	N49°01'51"W	97.70'
C12	Δ=28°52'26"	105.00'	52.91'	S45°05'48"E	52.36'

CONSTRUCTION NOTES

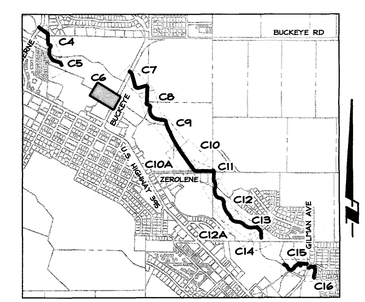
(#) SYMBOL USED FOR SPECIFIC NOTE CALLOUT.

(1) PROPOSED MULTIMODAL TRAIL. REFER TO TYPICAL CROSS SECTION DETAIL ON SHEET C17.

NOTE:
NOT ALL CONSTRUCTION NOTES LISTED MAY BE APPLICABLE TO THIS SHEET.



VERTICAL SCALE: 1"=4'
HORIZONTAL SCALE: 1"=40'



INDEX MAP
NTS

NO.	DATE	REVISION BLOCK	BY

SCALE: 1" = 40'

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MARTIN SLOUGH MULTIMODAL TRAIL
DOUGLAS COUNTY, NEVADA
TAP-0005(002)

TRAIL
PLAN AND PROFILE STA. 27+25.44 TO 32+99.06

PROFESSIONAL ENGINEER STATE OF NEVADA ROBERT O. ANDERSON Exp. 12-31-22 CIVIL No. 7261
2-18-21

DRAWN: KLM	JOB: 0110-107
ENGINEER: ROA	DRAWING: SEE PLOT STAMP
SCALE: 1"=40'	SHEET: C6
DATE: 2-12-2021	OF: 22 SHEETS

BID SET-2-12-2021

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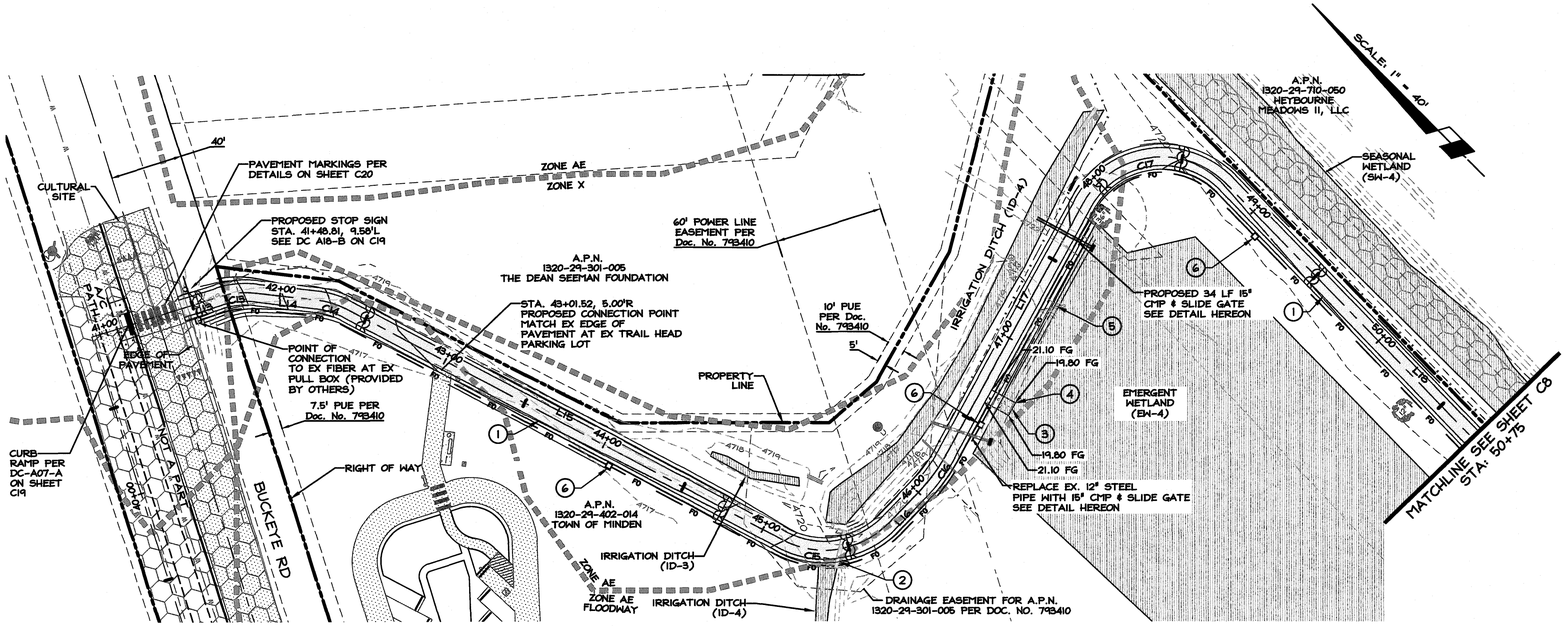
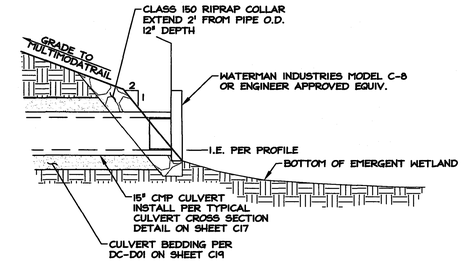




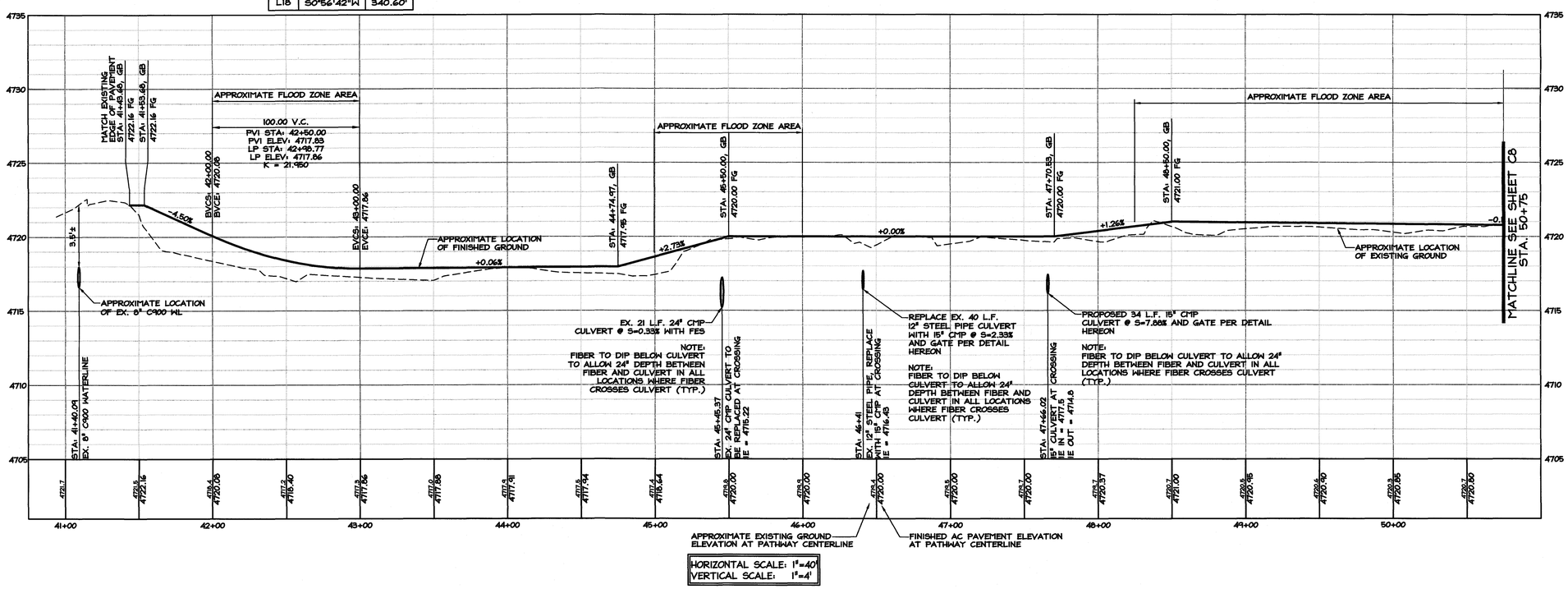
NOTES:
1. THE MINIMUM THICKNESS OF RIPRAP SHOULD BE 1.5 TIMES THE MAXIMUM STONE DIAMETER.
2. INSTALL MIRAFI 140N OR EQUAL GEOTEXTILE TO PREVENT SOIL EROSION BENEATH RIPRAP.
3. RIPRAP MAY BE INSTALLED USING MECHANICAL EQUIPMENT. AVOID DAMAGING FABRIC.
4. STABILIZE ALL DISTURBED AREAS IMMEDIATELY AFTER CONSTRUCTION.

SLIDE GATES
STA. 46+44.2 (17.5', RT) & STA. 47+66.0 (15.8', RT)

NTS

Line Table		
LINE	BEARING	LENGTH
L13	S62°26'35"E	21.97'
L14	S38°16'41"E	33.68'
L15	S17°00'07"E	273.95'
L16	N89°15'23"E	24.45'
L17	N73°37'30"E	158.43'
L18	S0°56'42"W	340.60'

Curve Table					
CURVE	DELTA	RADIUS	LENGTH	CHORD BEARING	CHORD LENGTH
C13	Δ=24°09'54"	50.00'	21.09'	N50°21'38"W	20.93'
C14	Δ=20°13'28"	50.00'	17.65'	N28°09'57"W	17.56'
C15	Δ=73°44'29"	50.00'	64.35'	S53°52'22"E	60.00'
C16	Δ=14°51'28"	100.00'	25.93'	N81°03'14"E	25.86'
C17	Δ=107°19'11"	50.00'	93.65'	N52°42'54"W	80.55'

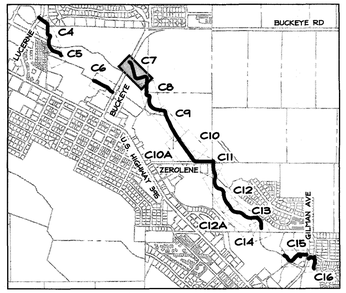


HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'

CONSTRUCTION NOTES

- (○) SYMBOL USED FOR SPECIFIC NOTE CALLOUT.
- (1) PROPOSED MULTIMODAL TRAIL. REFER TO TYPICAL CROSS SECTION DETAIL ON SHEET C17.
- (2) PROPOSED 24-INCH CMP CULVERT WITH FES.
- (3) PROPOSED 8'W X 15'L PCC BOAT RAMP, STA: 46+65.95 5'RT. REFER TO BOAT RAMP DETAIL ON SHEET C17.
- (4) AREA OF DISTURBANCE EW-4-A.
- (5) AREA OF DISTURBANCE EW-4-B.
- (6) FIBER OPTIC PULL BOX PER DETAIL ON SHEET C19. (PROVIDED BY OTHERS).

#NOTE:
NOT ALL CONSTRUCTION NOTES LISTED MAY BE APPLICABLE TO THIS SHEET.



INDEX MAP
NTS

CALL 811 BEFORE YOU DIG

BID SET-2-12-2021

NO.	DATE	REVISION BLOCK	BY

SCALE: 1" = 40'

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MARTIN SLOUGH MULTIMODAL TRAIL
DOUGLAS COUNTY, NEVADA
TAP-0005(002)

TRAIL
PLAN AND PROFILE STA. 41+00 TO 50+75

PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT O. ANDERSON
Exp. 12-31-22
CIVIL
No. 7761
2-15-21

DRAWN: KLM	JOB: 0110-107
ENGINEER: ROA	DRAWING: SEE PLOT STAMP
SCALE: 1"=40'	SHEET: C7
DATE: 2-12-2021	OF: 22 SHEETS

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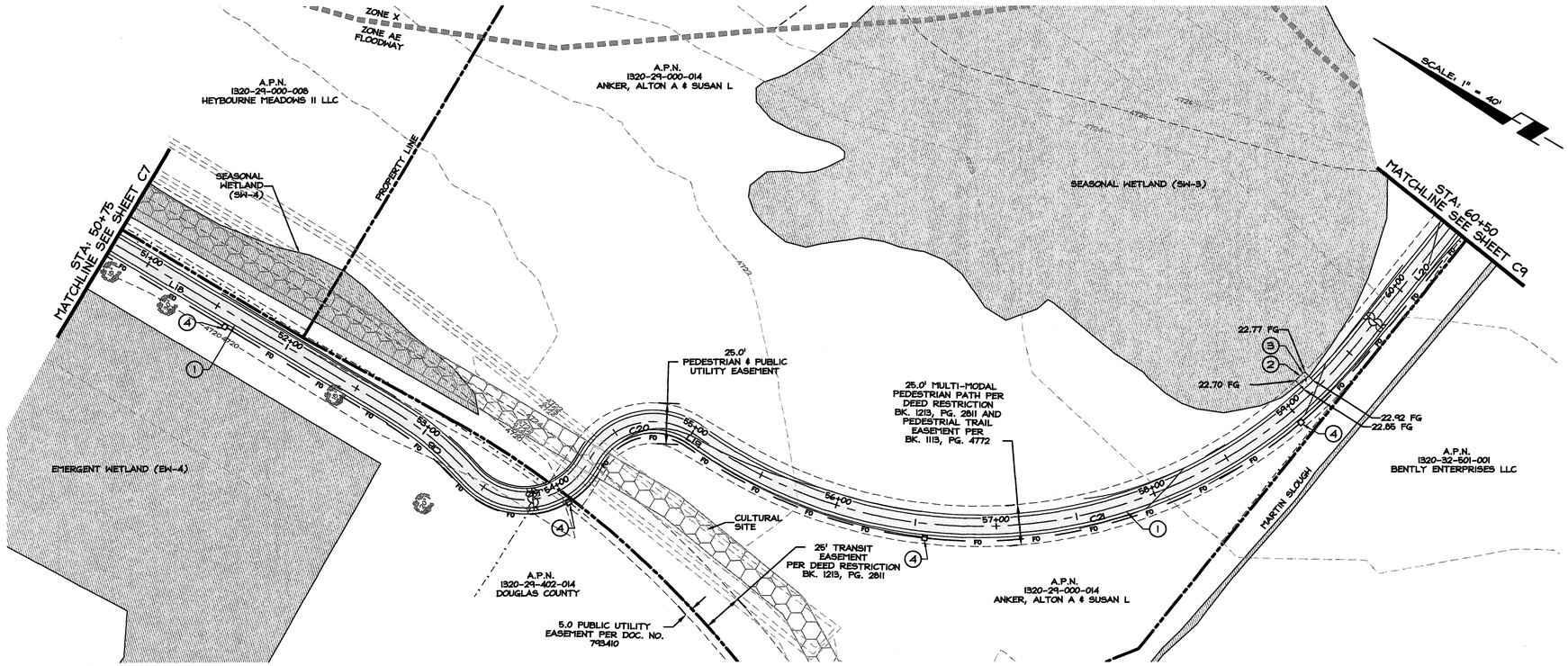


Line Table		
LINE	BEARING	LENGTH
L18	S0°56'42"W	396.85'
L19	S4°45'34"W	5.07'
L20	S81°13'07"E	207.89'

Curve Table					
CURVE	DELTA	RADIUS	LENGTH	CHORD BEARING	CHORD LENGTH
C18	Δ=18°01'50"	200.00'	62.94'	N9°57'37"E	62.68'
C19	Δ=111°13'54"	45.00'	87.36'	S36°38'25"E	74.27'
C20	Δ=97°00'55"	45.00'	76.20'	N43°44'54"W	67.41'
C21	Δ=85°58'41"	299.50'	449.43'	S38°13'47"E	408.43'

CONSTRUCTION NOTES

(○) SYMBOL USED FOR SPECIFIC NOTE CALLOUT.

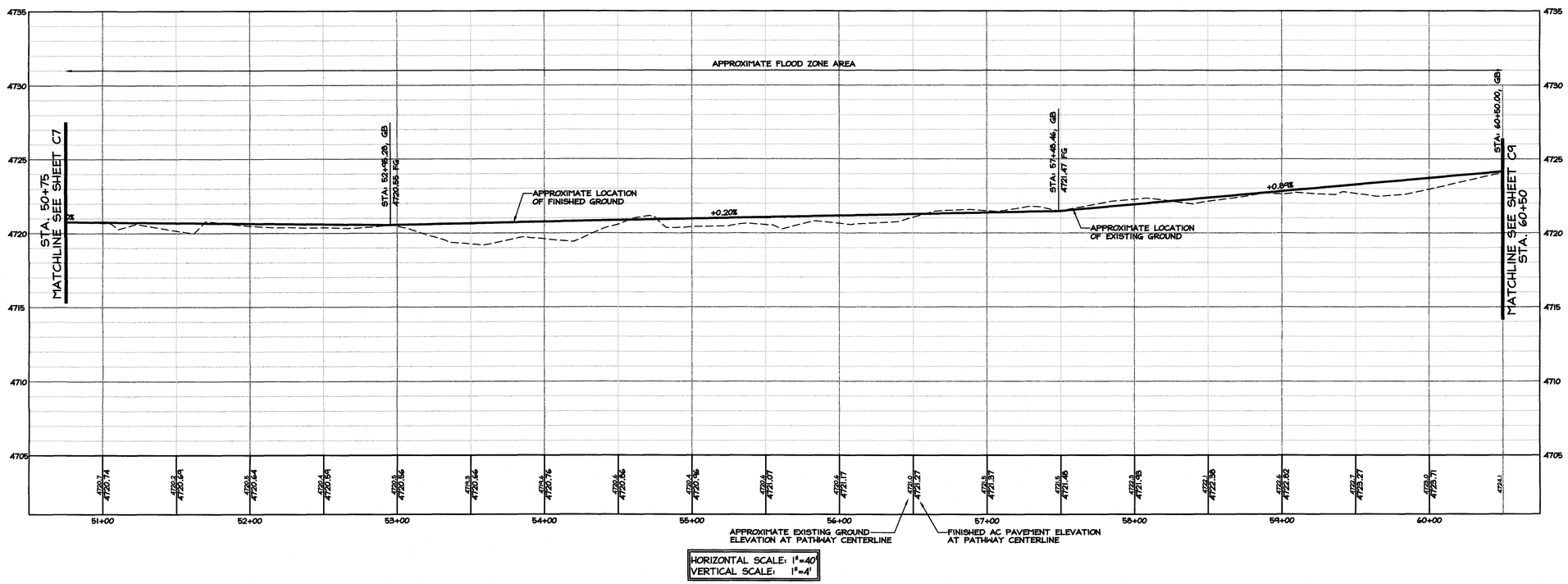
(1) PROPOSED MULTIMODAL TRAIL. REFER TO TYPICAL CROSS SECTION DETAIL ON SHEET C17.

(2) PROPOSED 8'W X 7.5'L PCC BOAT RAMP, STA: 59+18 5'LT. REFER TO BOAT RAMP DETAIL ON SHEET C17.

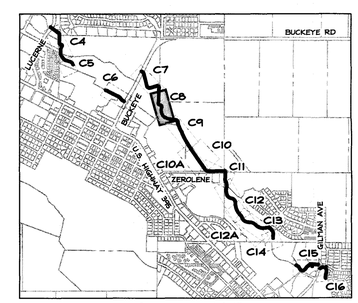
(3) AREA OF DISTURBANCE SW-2-A.

(4) FIBER OPTIC PULL BOX PER DETAIL ON SHEET C19. (PROVIDED BY OTHERS).

#NOTE:
NOT ALL CONSTRUCTION NOTES LISTED MAY BE APPLICABLE TO THIS SHEET.



HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'



INDEX MAP
NTS

CALL 811 BEFORE YOU DIG

NO.	DATE	REVISION BLOCK	BY

SCALE: 1" = 40'

R O Anderson
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f 775.782.7084
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MARTIN SLOUGH MULTIMODAL TRAIL
DOUGLAS COUNTY, NEVADA
TAP-0005(002)

TRAIL
PLAN AND PROFILE
STA. 50+75 TO 60+50

PROFESSIONAL ENGINEER STATE OF NEVADA ROBERT O. ANDERSON Exp. 12-31-22 CIVIL No. 7767
2-15-21

DRAWN: KLM	JOB: 0110-107
ENGINEER: ROA	DRAWING: SEE PLOT STAMP
SCALE: 1"=40'	SHEET: C8
DATE: 2-12-2021	OF: 22 SHEETS

BID SET-2-12-2021

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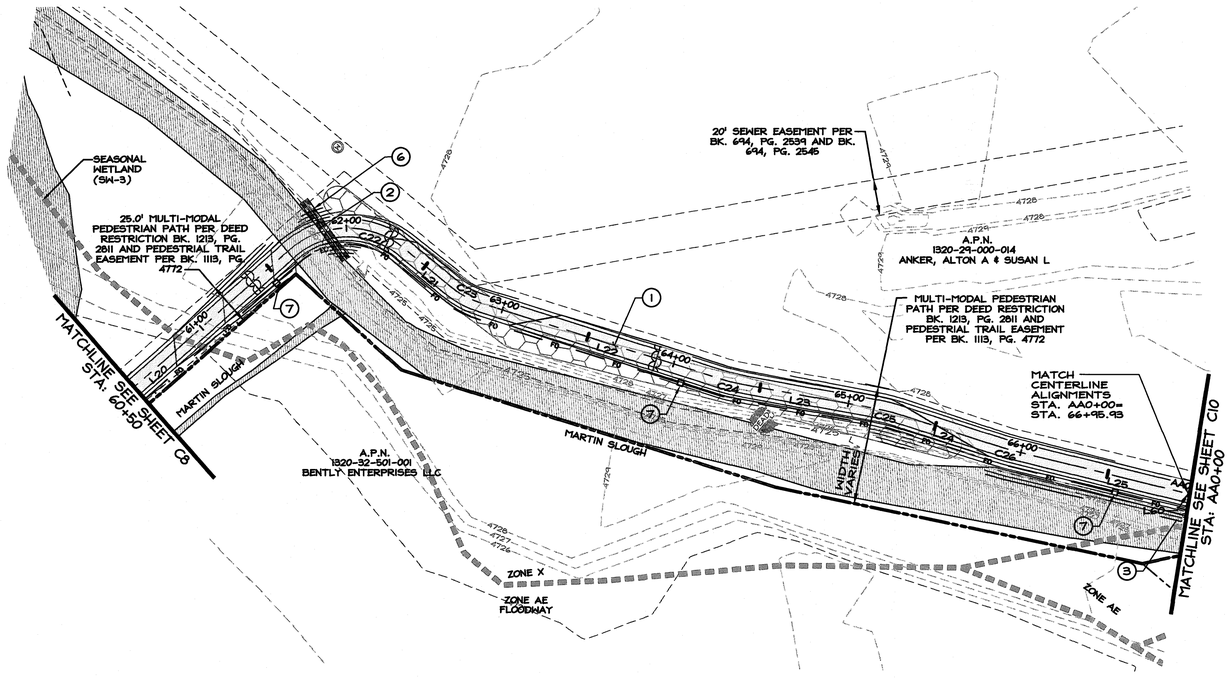


SCALE: 1" = 40'

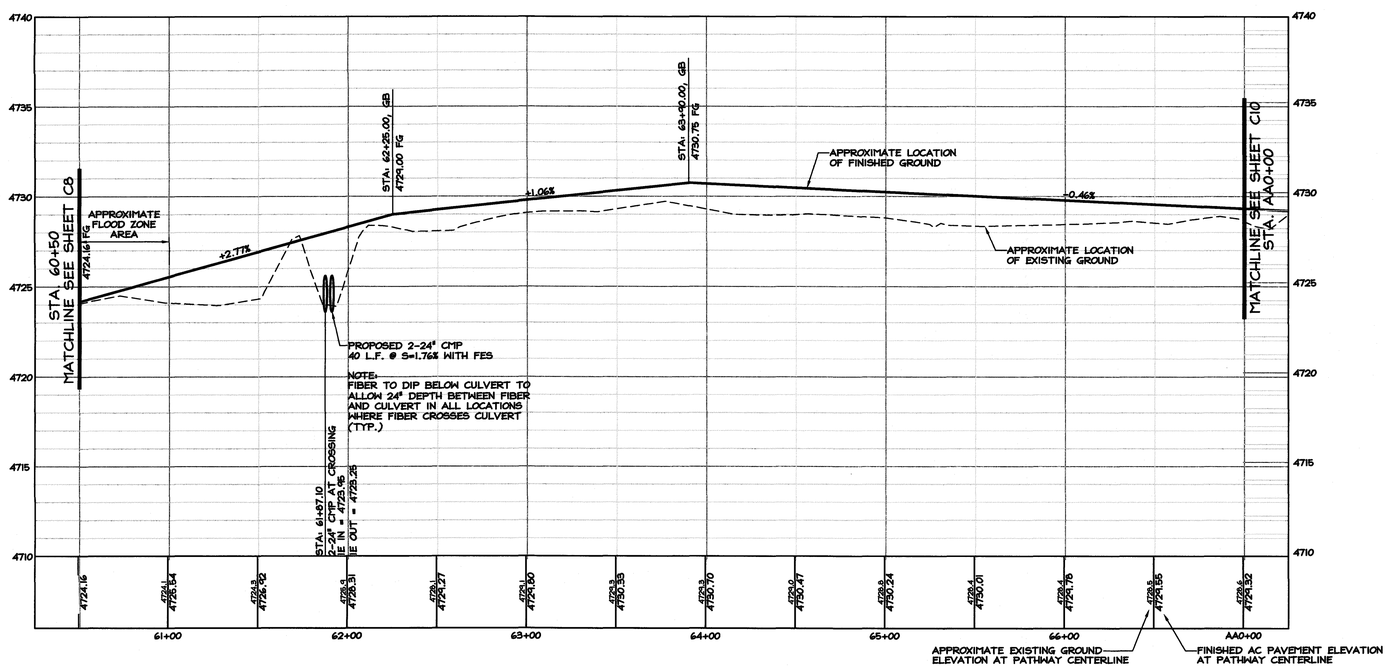
Curve Table					
CURVE	DELTA	RADIUS	LENGTH	CHORD BEARING	CHORD LENGTH
C22	Δ=80°36'14"	50.00'	70.34'	N40°55'00"W	64.68'
C23	Δ=21°59'17"	50.00'	19.19'	S11°36'31"E	19.07'
C24	Δ=7°09'03"	100.00'	12.48'	S26°10'41"E	12.47'
C25	Δ=7°36'36"	100.00'	13.28'	N25°56'55"W	13.27'
C26	Δ=4°01'39"	100.00'	7.03'	S24°09'27"E	7.03'

Line Table		
LINE	BEARING	LENGTH
L21	S0°36'53"E	33.16'
L22	S22°36'10"E	141.13'
L23	S29°45'13"E	74.82'
L24	S22°08'37"E	59.56'
L25	S26°10'17"E	100.34'

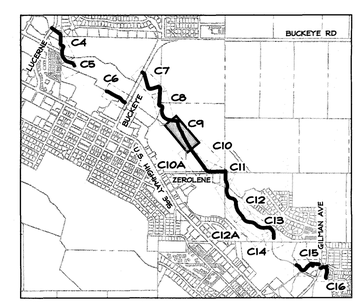
CONSTRUCTION NOTES

- (◯) SYMBOL USED FOR SPECIFIC NOTE CALLOUT.
- (1) PROPOSED MULTIMODAL TRAIL. REFER TO TYPICAL CROSS SECTION DETAIL ON SHEET C17.
- (2) AREA OF DISTURBANCE MS-1-A.
- (3) AREA OF DISTURBANCE MS-1-B.
- (4) AREA OF DISTURBANCE EM-3-AA.
- (5) EXISTING 48" CMP.
- (6) PROPOSED 2-24" CMP WITH FES.
- (7) FIBER OPTIC PULL BOX PER DETAIL ON SHEET C19. (PROVIDED BY OTHERS).

NOTE:
NOT ALL CONSTRUCTION NOTES LISTED MAY BE APPLICABLE TO THIS SHEET.



HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'



INDEX MAP
NTS

CALL 811 BEFORE YOU DIG

NO.	DATE	REVISION BLOCK	BY

SCALE: 1" = 40'

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MARTIN SLOUGH MULTIMODAL TRAIL
DOUGLAS COUNTY, NEVADA
TAP-0005(002)

TRAIL
PLAN AND PROFILE
STA. 60+50 TO AA0+00

PROFESSIONAL ENGINEER — STATE OF NEVADA — ROBERT O. ANDERSON — CIVIL — Exp. 12-31-22 — No. 7761

2-18-21

DRAWN: KLM	JOB: 0110-107
ENGINEER: ROA	DRAWING: SEE PLOT STAMP
SCALE: 1"=40'	SHEET: C9
DATE: 2-12-2021	OF: 22 SHEETS

BID SET-2-12-2021

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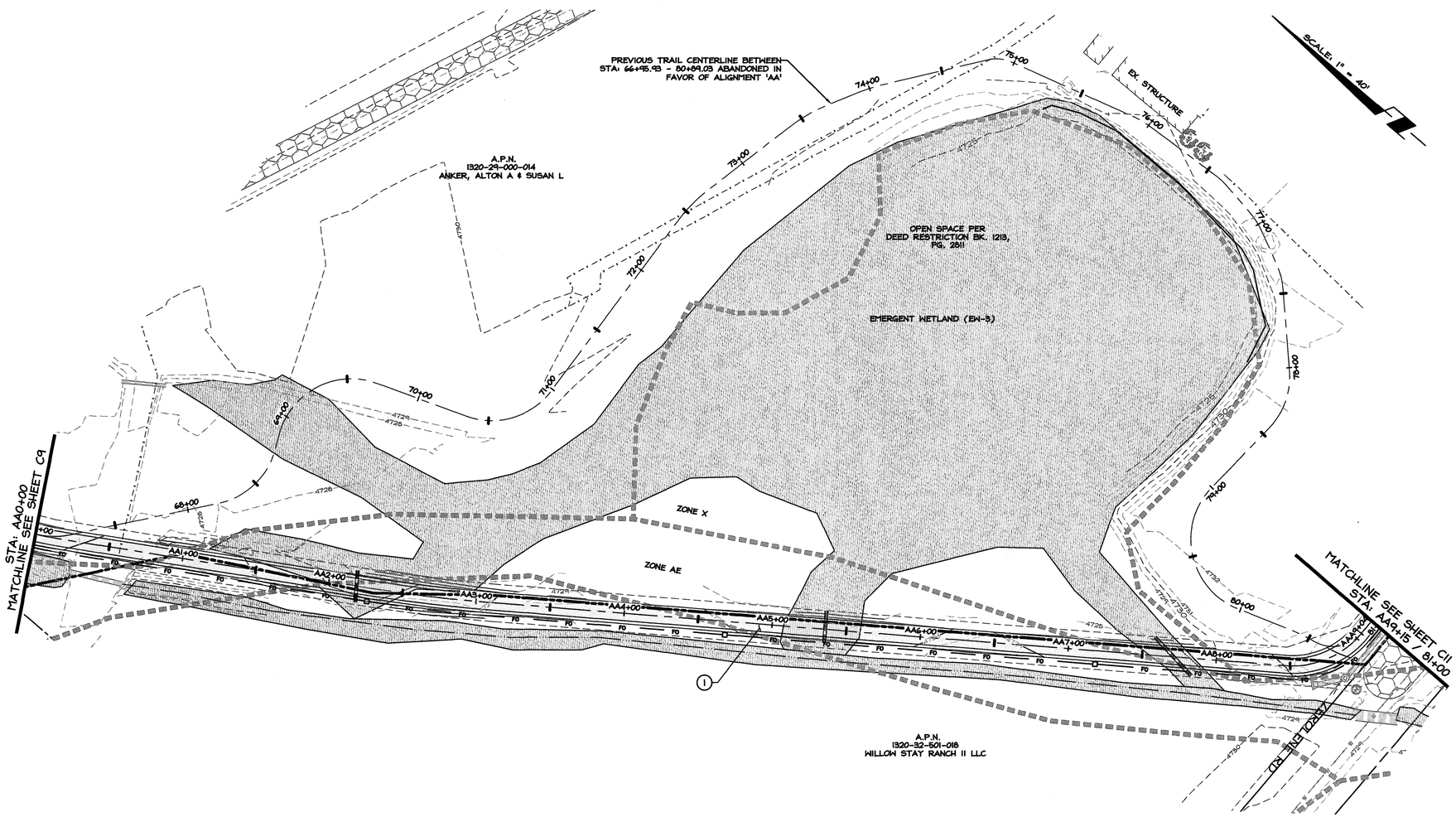
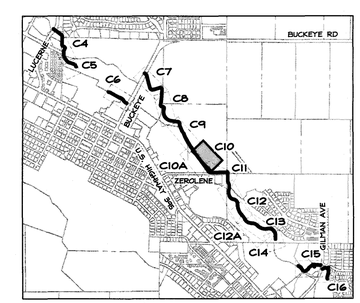


CONSTRUCTION NOTES

(#) SYMBOL USED FOR SPECIFIC NOTE CALLOUT.

(1) PROPOSED MULTIMODAL TRAIL. REFER TO TYPICAL CROSS SECTION DETAIL ON SHEET C17.



INDEX MAP

NTS

CALL 811 BEFORE YOU DIG

NO.	DATE	REVISION BLOCK	BY

1 0 1 2
40' 0 40' 80'
SCALE: 1" = 40'

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MARTIN SLOUGH MULTIMODAL TRAIL
DOUGLAS COUNTY, NEVADA
TAP-0005(002)

TRAIL
PLAN AND PROFILE
STA. AA0+00 TO AA9+15

PROFESSIONAL ENGINEER STATE OF NEVADA ROBERT O. ANDERSON Exp. 12-31-22 CIVIL No. 7761

2-12-21

DRAWN: KLM	JOB: 0110-107
ENGINEER: ROA	DRAWING: SEE PLOT STAMP
SCALE: 1"=40'	SHEET: C10
DATE: 2-12-2021	OF: 22 SHEETS

BID SET-2-12-2021

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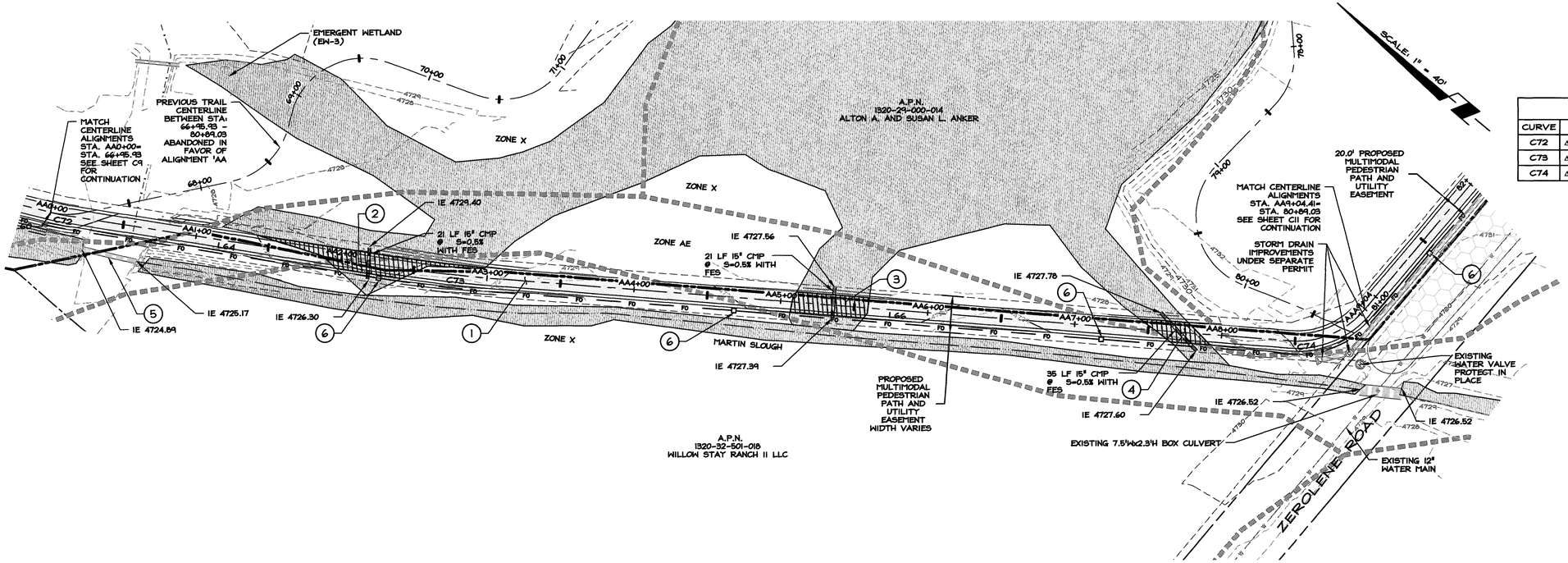
LINE TABLE		
LINE	BEARING	LENGTH
L60	N26°10'17"W	2.32'
L64	N30°57'11"W	221.56'
L66	N35°33'10"W	534.28'

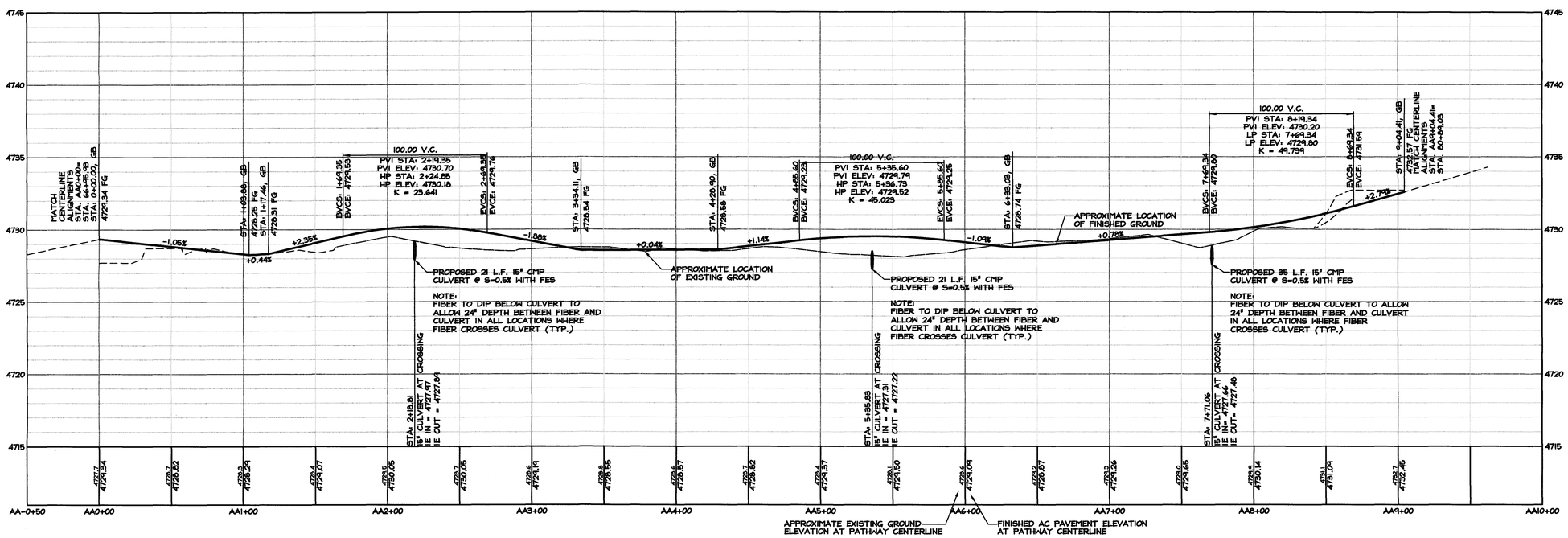
CURVE TABLE					
CURVE	DELTA	RADIUS	LENGTH	CHORD BEARING	CHORD LENGTH
C72	Δ=004°46'54"	100.00'	8.35'	N28°33'44"W	8.34'
C73	Δ=004°35'59"	1000.00'	80.28'	N33°15'10"W	80.26'
C74	Δ=054°09'22"	60.00'	56.71'	N62°37'51"W	54.62'



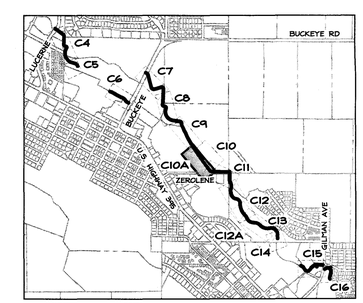
CONSTRUCTION NOTES

1. SYMBOL USED FOR SPECIFIC NOTE CALLOUT.
1. PROPOSED MULTIMODAL TRAIL. REFER TO TYPICAL CROSS SECTION DETAIL ON SHEET C17.
2. AREA OF DISTURBANCE EW3-AA.
3. AREA OF DISTURBANCE EW3-BB.
4. AREA OF DISTURBANCE EW3-CC.
5. EXISTING 36" CMP.
6. FIBER OPTIC PULL BOX PER DETAIL ON SHEET C19. (PROVIDED BY OTHERS).

#NOTE:
NOT ALL CONSTRUCTION NOTES LISTED MAY BE APPLICABLE TO THIS SHEET.



HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'



INDEX MAP
NTS

NO.	DATE	REVISION BLOCK	BY

SCALE: 1" = 40'

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DOUGLAS COUNTY, NEVADA
TAP-0005(002)

TRAIL
PLAN AND PROFILE
STA. AA0+00 TO 82+00

PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT O. ANDERSON
Exp. 12-31-20
CIVIL
No. 7761
2/18/21

DRAWN: KLM	JOB: 0110-107
ENGINEER: ROA	DRAWING: SEE PLOT STAMP
SCALE: 1"=40'	SHEET: C10A
DATE: 2-12-2021	OF: 22 SHEETS

BID SET-2-12-2021

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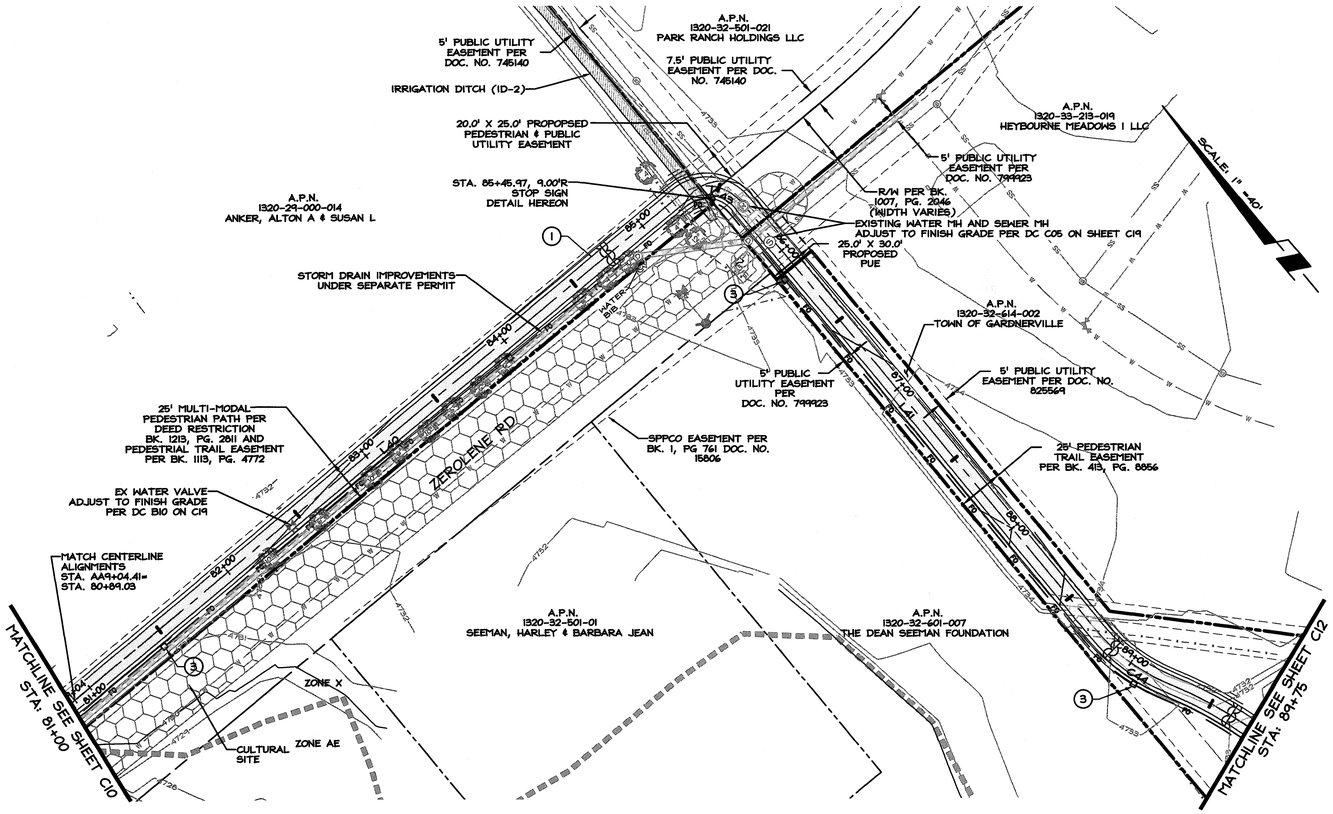
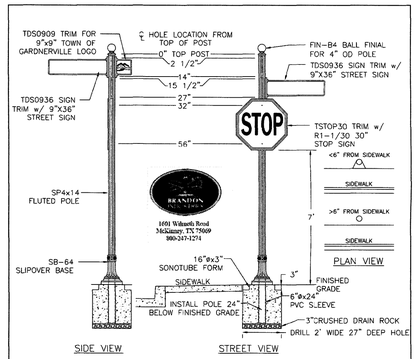


Line Table		
LINE	BEARING	LENGTH
L40	S89°42'32"E	436.87'
L41	S0°20'20"W	309.24'

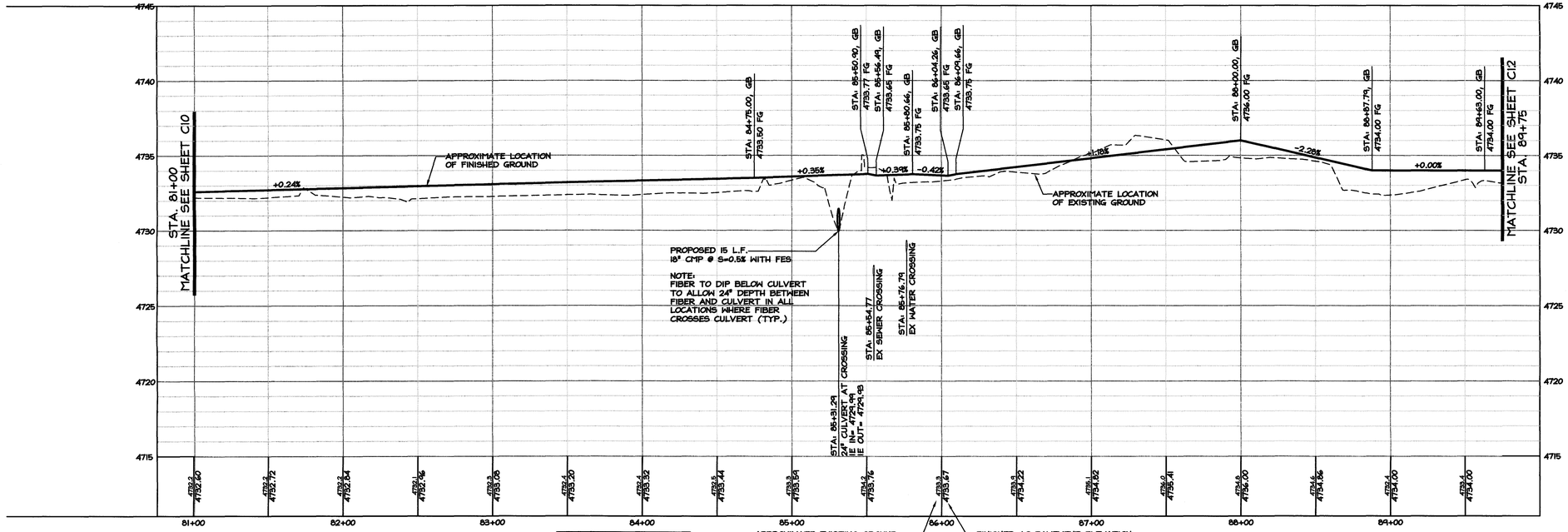
Curve Table					
CURVE	DELTA	RADIUS	LENGTH	CHORD BEARING	CHORD LENGTH
C43	Δ=90°02'52"	25.00'	39.29'	N44°41'06"W	35.37'
C44	Δ=27°57'37"	100.00'	48.80'	S13°38'24"E	48.32'



NOTES:

1. SIGN MATERIALS, CONSTRUCTION AND PLACEMENT SHALL BE IN CONFORMANCE WITH THE MOST RECENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND SECTION 215 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. SET CENTER OF SIGN POLE BETWEEN 12 AND 24 INCHES FROM THE BACK OF SIDEWALK.
3. STOP SIGN 30" MINIMUM, PLACED 7'-0" FROM GRADE.
4. SIGN POST SHALL NOT BE ANCHORED IN SIDEWALK, DIRECT BURY OR OPTIONAL BREAK AWAY MODEL CAN BE USED WITH SLIGHT BASE MODIFICATION.
5. IF CONCRETE COLLAR IS WITHIN 6 INCHES OF THE SIDEWALK CONNECT TO SIDEWALK.

Town of Gardnerville Nevada	TOWN OF GARDNERVILLE	SECTION:
	TOWN ROAD DECORATIVE STOP/STREET SIGN	DATE: 3/11/13
		DWG: TOG-02

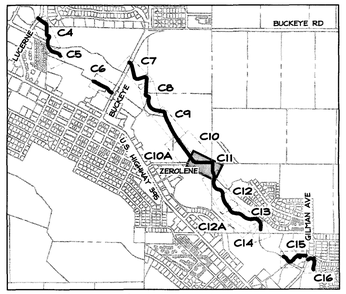


VERTICAL SCALE: 1"=4'
HORIZONTAL SCALE: 1"=40'

CONSTRUCTION NOTES

- (○) SYMBOL USED FOR SPECIFIC NOTE CALLOUT.
- (1) PROPOSED MULTIMODAL TRAIL. REFER TO TYPICAL CROSS SECTION DETAIL ON SHEET C17.
- (2) EXISTING 6'x2.5' BOX CULVERT (APPROX).
- (3) FIBER OPTIC PULL BOX PER DETAIL ON SHEET C19. (PROVIDED BY OTHERS).

NOTE:
NOT ALL CONSTRUCTION NOTES LISTED MAY BE APPLICABLE TO THIS SHEET.



INDEX MAP
NTS

CALL 811 BEFORE YOU DIG

NO.	DATE	REVISION BLOCK	BY

SCALE: 1" = 40'

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DOUGLAS COUNTY, NEVADA
TAP-0005(002)

TRAIL
PLAN AND PROFILE STA. 81+00 TO 89+75

PROFESSIONAL ENGINEER STATE OF NEVADA — ROBERT O. ANDERSON — Exp. 12-31-22 — CIVIL — No. 7767

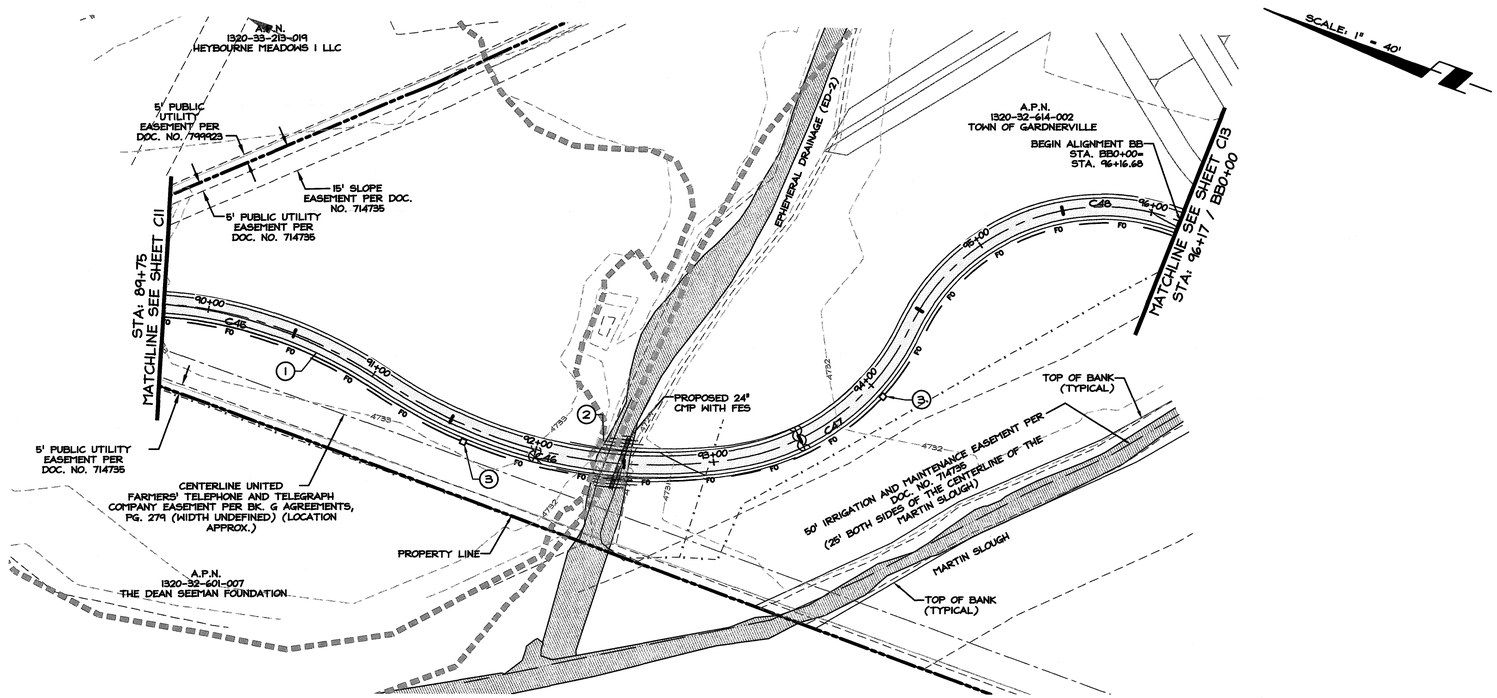
DRAWN: KLM	JOB: 0110-107
ENGINEER: ROA	DRAWING: SEE PLOT STAMP
SCALE: 1"=40'	SHEET: C11
DATE: 2-12-2021	OF: 22 SHEETS

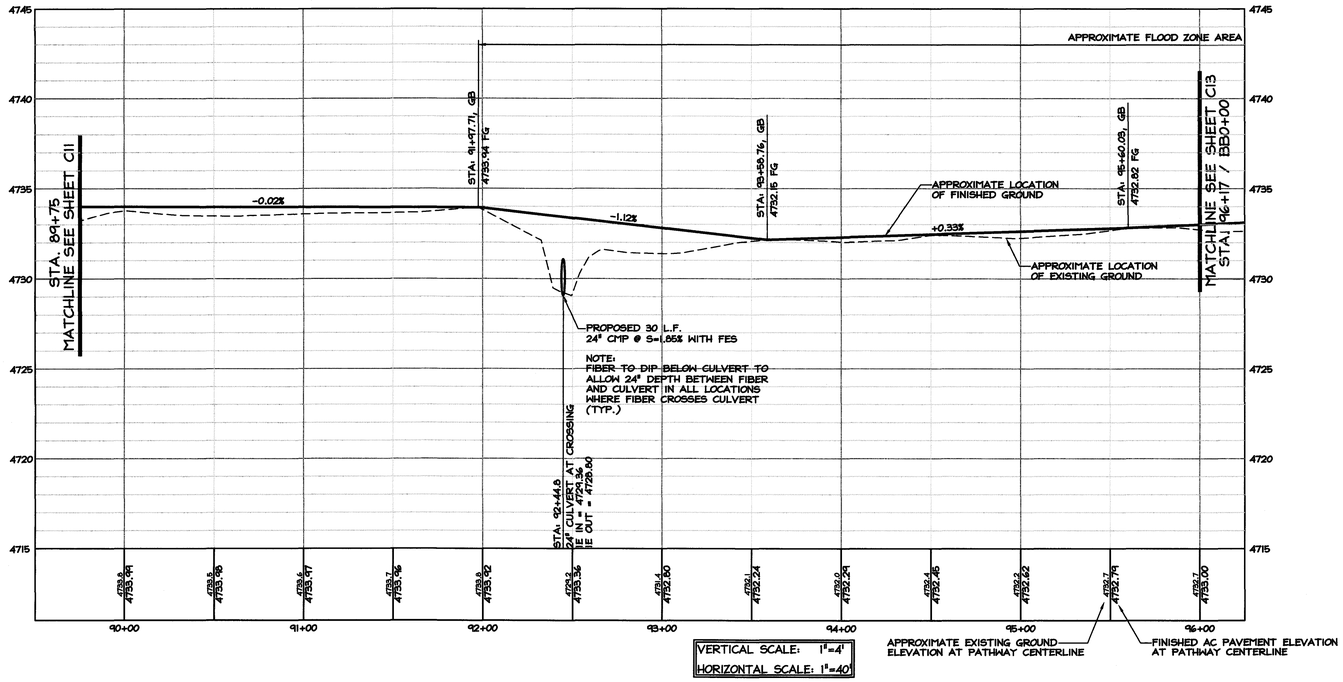
BID SET-2-12-2021

Y:\Client Files\0110\0110-107\CAD\Engineering\Improvement Plans\0110-107C11.dwg 2/17/2021 5:29:45 PM KHeth Trevion

Curve Table					
CURVE	DELTA	RADIUS	LENGTH	CHORD BEARING	CHORD LENGTH
C44	Δ=27°57'37"	100.00'	48.80'	S13°36'29"E	48.32'
C45	Δ=41°53'14"	250.00'	182.77'	N6°40'40"W	178.72'
C46	Δ=43°28'06"	272.00'	206.36'	S7°28'06"E	201.44'
C47	Δ=55°13'47"	130.00'	125.31'	S56°49'02"E	120.52'
C48	Δ=85°28'38"	120.00'	179.02'	N41°41'37"W	162.88'
C49	Δ=15°29'03"	120.00'	32.43'	S8°47'14"W	32.33'
C50	Δ=27°12'21"	293.00'	139.13'	S2°55'35"W	137.82'

Line Table		
LINE#	LENGTH	DIRECTION
L42	175.38'	S10°40'36"E

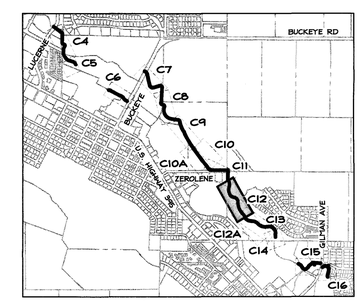




CONSTRUCTION NOTES

- (◯) SYMBOL USED FOR SPECIFIC NOTE CALLOUT.
- (1) PROPOSED MULTIMODAL TRAIL. REFER TO TYPICAL CROSS SECTION DETAIL ON SHEET C17.
- (2) AREA OF DISTURBANCE ED-2-A.
- (3) FIBER OPTIC PULL BOX PER DETAIL ON SHEET C19. (PROVIDED BY OTHERS).

#NOTE:
NOT ALL CONSTRUCTION NOTES LISTED MAY BE APPLICABLE TO THIS SHEET.



INDEX MAP
NTS

CALL 811 BEFORE YOU DIG

NO.	DATE	REVISION BLOCK	BY

SCALE: 1" = 40'

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TAP-0005(002)

TRAIL
PLAN AND PROFILE
STA. 89+75 TO 96+17

PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT O. ANDERSON
Exp. 12-31-22
CIVIL
No. 7757
2-18-21

DRAWN: KLM	JOB: 0110-107
ENGINEER: ROA	DRAWING: SEE PLOT STAMP
SCALE: 1"=40'	SHEET: C12
DATE: 2-12-2021	OF: 22 SHEETS

BID SET-2-12-2021

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CONSTRUCTION NOTES

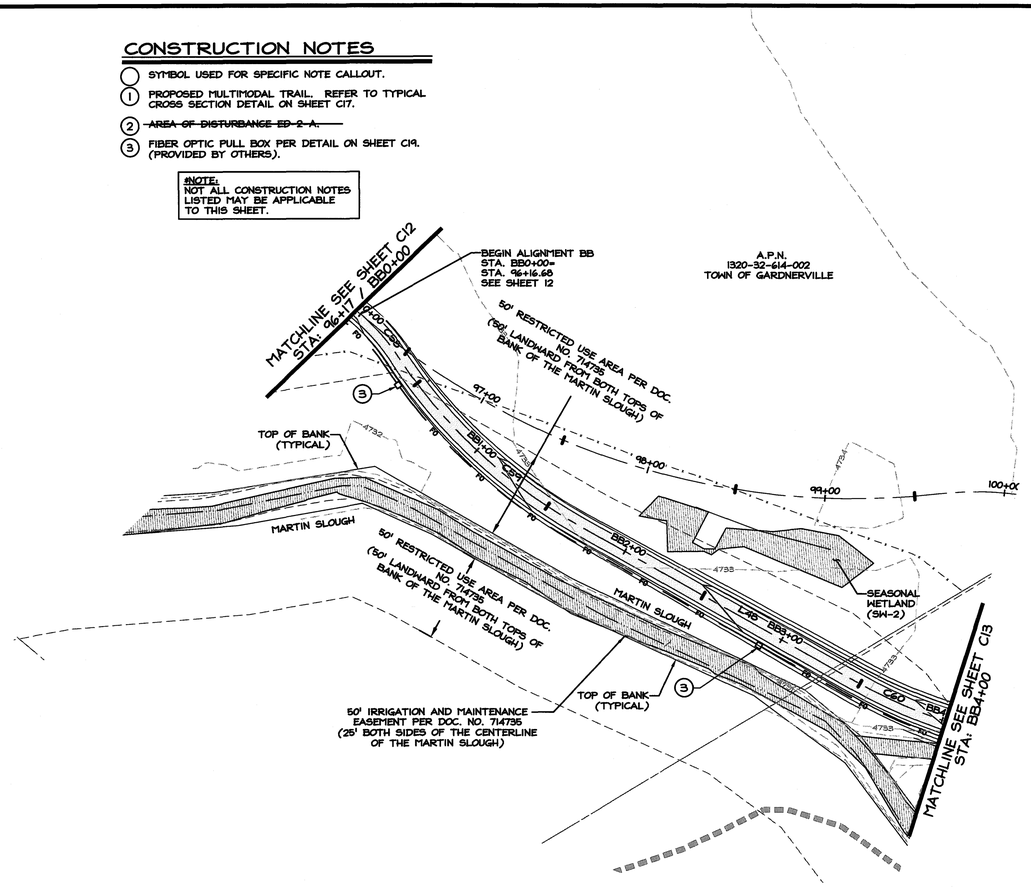
◯ SYMBOL USED FOR SPECIFIC NOTE CALLOUT.

(1) PROPOSED MULTIMODAL TRAIL. REFER TO TYPICAL CROSS SECTION DETAIL ON SHEET C17.

(2) ~~AREA OF DISTURBANCE ED 2 A.~~

(3) FIBER OPTIC PULL BOX PER DETAIL ON SHEET C19. (PROVIDED BY OTHERS).

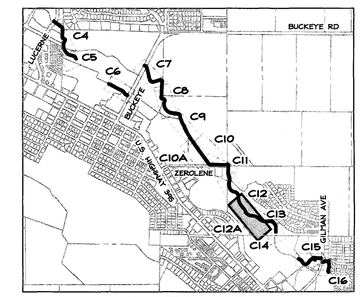
#NOTE:
NOT ALL CONSTRUCTION NOTES LISTED MAY BE APPLICABLE TO THIS SHEET.



SCALE: 1" = 40'

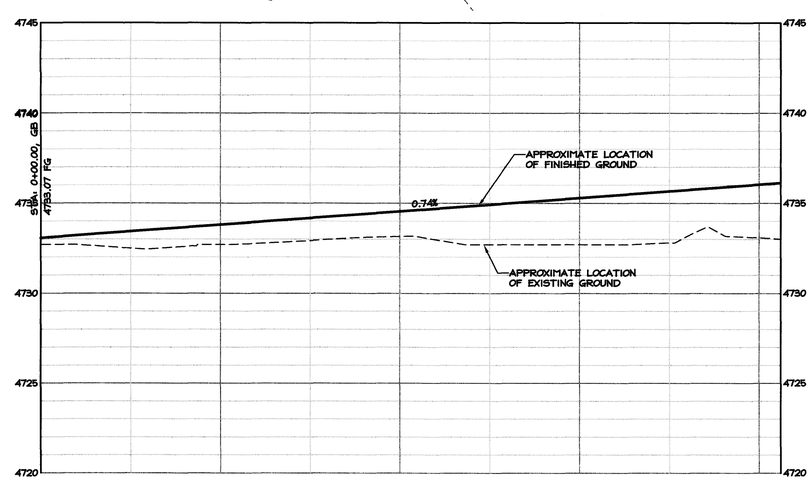
Line Table		
LINE#	LENGTH	DIRECTION
L48	175.38'	S10°40'36"E

Curve Table					
CURVE#	DELTA	RADIUS	LENGTH	CHORD BEARING	CHORD LENGTH
C58	Δ=15°29'03"	120.00'	32.43'	S8°47'14"W	32.33'
C59	Δ=27°12'21"	293.00'	139.13'	S2°55'35"W	137.82'
C60	Δ=57°48'13"	293.00'	295.60'	S39°34'42"E	283.22'



INDEX MAP

NTS



HORIZONTAL SCALE: 1"=40'

VERTICAL SCALE: 1"=4'

NO.	DATE	REVISION BLOCK	BY

SCALE: 1" = 40'

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DOUGLAS COUNTY, NEVADA
TAP-0005(002)

TRAIL
PLAN AND PROFILE
STA. BB0+00 TO BB4+00

PROFESSIONAL ENGINEER STATE OF NEVADA ROBERT O. ANDERSON Exp. 12-31-22 CIVIL No. 7761

2-18-21

DRAWN: KLM	JOB: 0110-107
ENGINEER: ROA	DRAWING: SEE PLOT STAMP
SCALE: 1"=40'	SHEET: C12A
DATE: 2-12-2021	OF: 22 SHEETS

BID SET-2-12-2021

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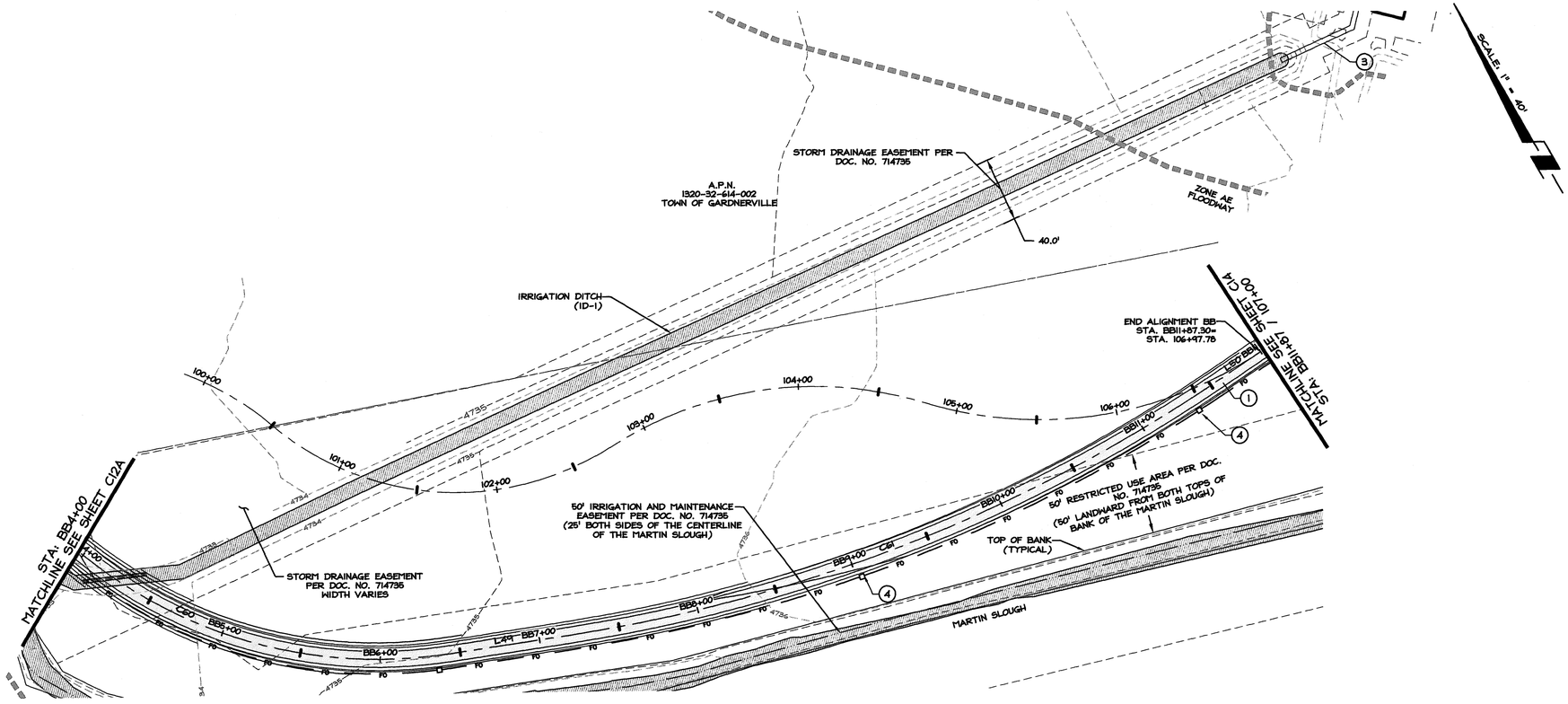


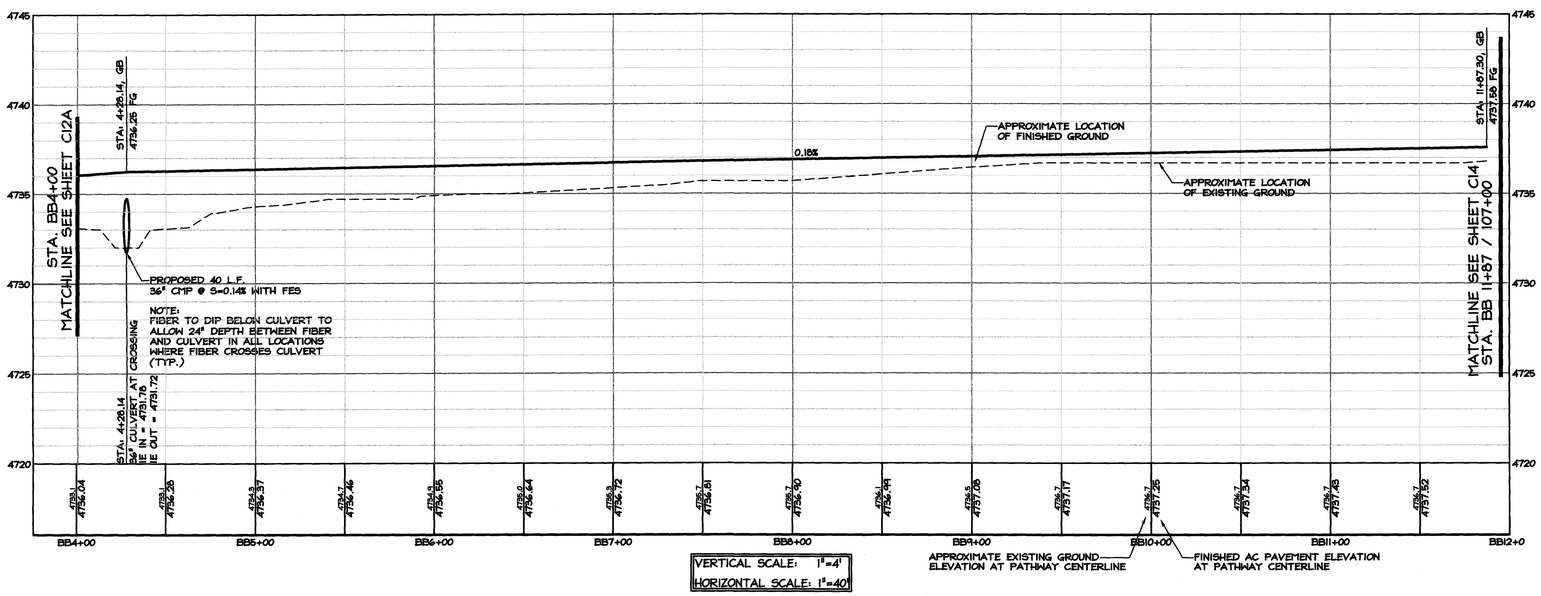
Line Table		
LINE#	LENGTH	DIRECTION
L49	70.53'	S68°28'48"E
L50	28.97'	N85°49'41"E

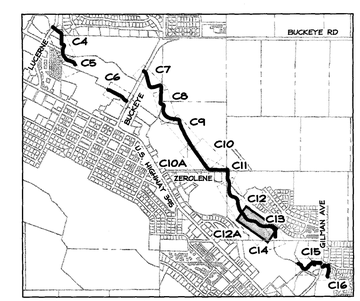
Curve Table					
CURVE#	DELTA	RADIUS	LENGTH	CHORD BEARING	CHORD LENGTH
C60	Δ=57°48'13"	298.00'	295.60'	S39°34'42"E	283.22'
C61	Δ=25°41'30"	993.00'	445.27'	S81°19'34"E	441.55'

CONSTRUCTION NOTES

- (◯) SYMBOL USED FOR SPECIFIC NOTE CALLOUT.
- (1) PROPOSED MULTIMODAL TRAIL. REFER TO TYPICAL CROSS SECTION DETAIL ON SHEET C17.
- (2) TIE-IN TO EXISTING TRAIL, STA: 107+60.8.
- (3) EXISTING 36" CMP.
- (4) FIBER OPTIC PULL BOX PER DETAIL ON SHEET C19. (PROVIDED BY OTHERS).

*NOTE:
NOT ALL CONSTRUCTION NOTES LISTED MAY BE APPLICABLE TO THIS SHEET.





INDEX MAP
NTS

NO.	DATE	REVISION BLOCK	BY

SCALE: 1" = 40'

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DOUGLAS COUNTY, NEVADA
TAP-0005(002)

TRAIL
PLAN AND PROFILE STA. BB4+00 TO 107+00

PROFESSIONAL ENGINEER STATE OF NEVADA ROBERT O. ANDERSON Exp. 12-31-22 CIVIL No. 7767

DRAWN: KLM	JOB: 0110-107
ENGINEER: ROA	DRAWING: SEE PLOT STAMP
SCALE: 1"=40'	SHEET: C13
DATE: 2-12-2021	OF: 22 SHEETS

BID SET-2-12-2021

21821

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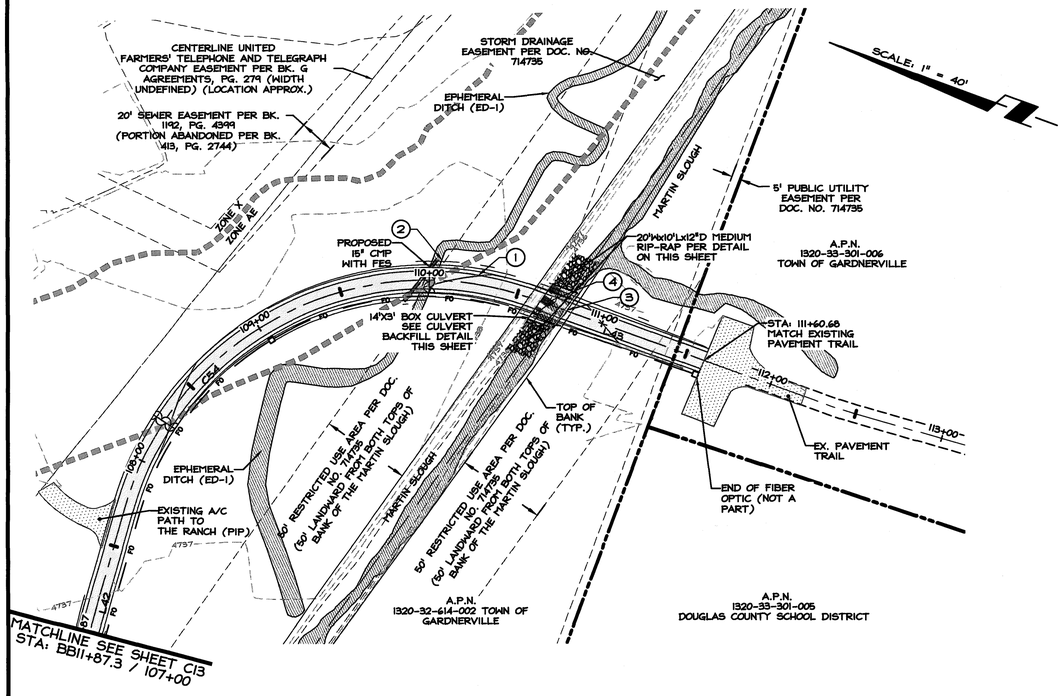
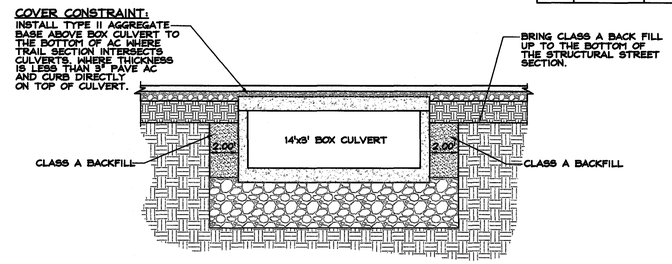


Line Table		
LINE	BEARING	LENGTH
L43	S0°12'30"E	102.50'

Curve Table					
CURVE	DELTA	RADIUS	LENGTH	CHORD BEARING	CHORD LENGTH
C54	Δ=93°57'49"	175.00'	287.00'	N47°11'24"W	255.90'



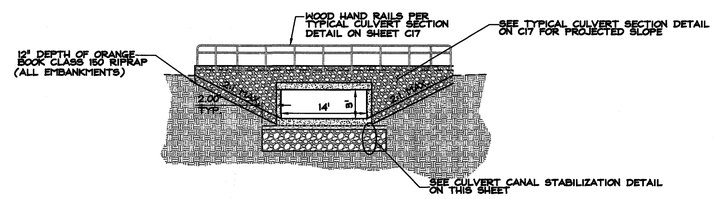
A CULVERT BACKFILL DETAIL

NOT TO SCALE

CONSTRUCTION NOTES

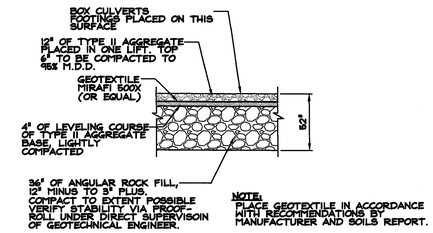
1. SYMBOL USED FOR SPECIFIC NOTE CALLOUT.
2. PROPOSED MULTIMODAL TRAIL. REFER TO TYPICAL CROSS SECTION DETAIL ON SHEET C17.
3. AREA OF DISTURBANCE ED-1-A.
4. AREA OF DISTURBANCE MS-1-C.
5. CULVERT DESIGN BASED UPON JENSEN PRECAST TYPE I REINFORCED CONCRETE BOX CULVERT RATED FOR H-20 LOADING. EQUIVALENT PRODUCTS, INCLUDING CAST-IN-PLACE PRODUCTS WILL BE CONSIDERED.

#NOTE:
NOT ALL CONSTRUCTION NOTES LISTED MAY BE APPLICABLE TO THIS SHEET.



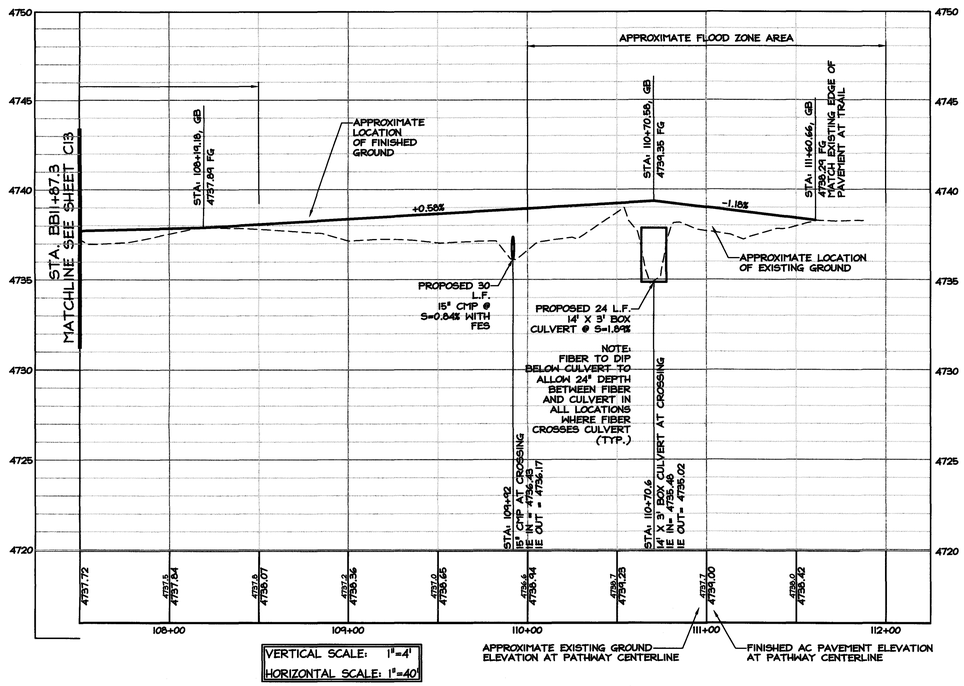
B 12'x4' CULVERT SECTION

SCALE: 1" = 10'

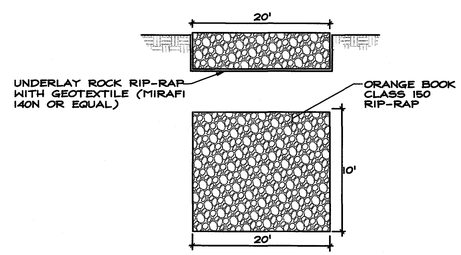


D CULVERT CANAL STABILIZATION

NOT TO SCALE

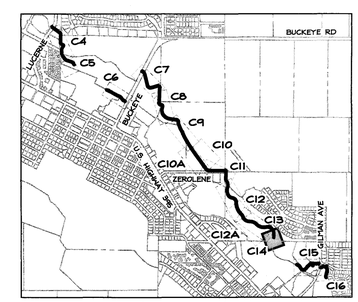


VERTICAL SCALE: 1"=4'
HORIZONTAL SCALE: 1"=40'



C CULVERT RIPRAP PROTECTION

NTS



INDEX MAP

NTS

NO.	DATE	REVISION BLOCK	BY

SCALE: 1" = 40'

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TAP-0005(002)

TRAIL
PLAN AND PROFILE
STA. 107+00 TO 111+60

PROFESSIONAL ENGINEER STATE OF NEVADA ROBERT O. ANDERSON Exp. 12-31-22 CIVIL No. 7761

2-18-21

DRAWN: KLM	JOB: 0110-107
ENGINEER: ROA	DRAWING: SEE PLOT STAMP
SCALE: 1"=40'	SHEET: C14
DATE: 2-12-2021	OF: 22 SHEETS

BID SET-2-12-2021

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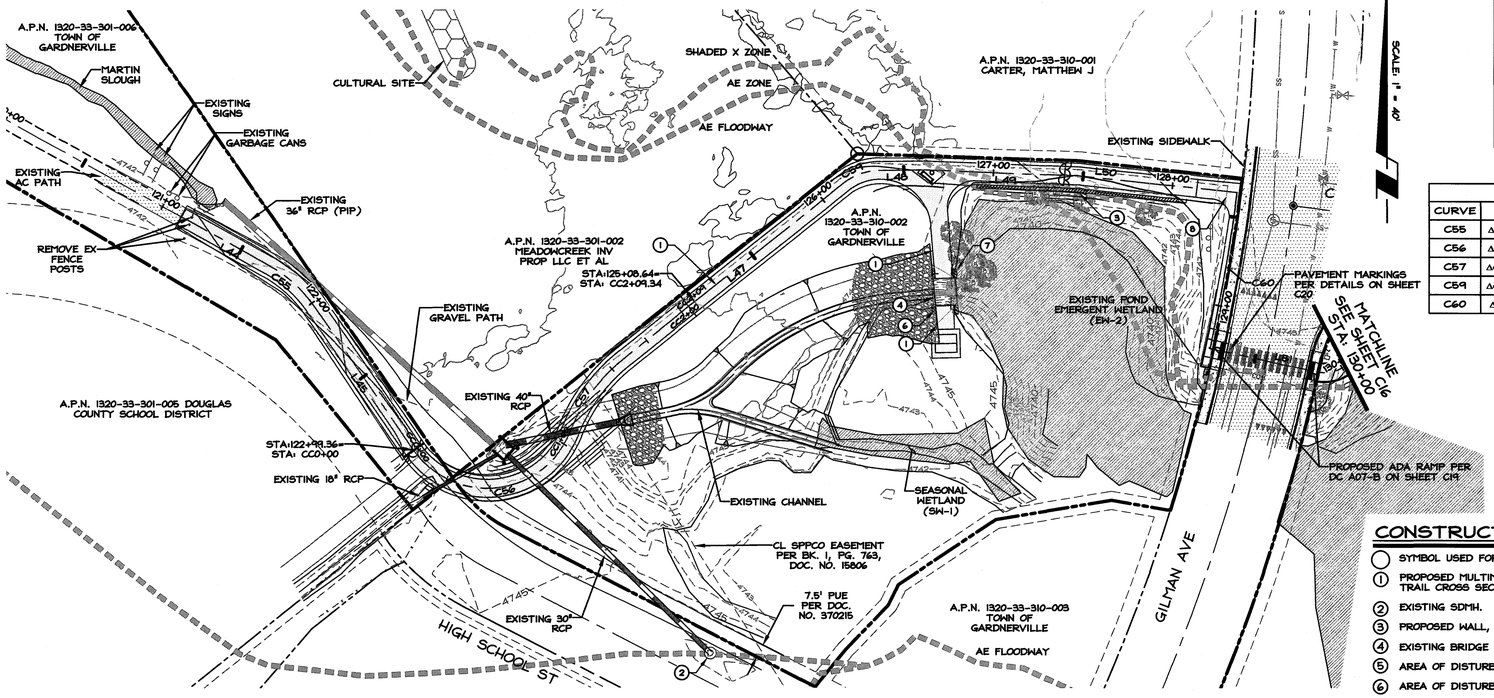
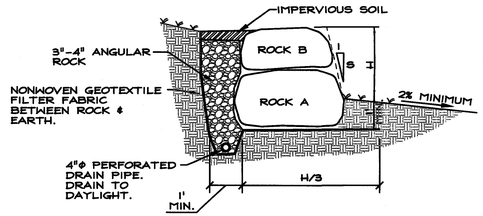


Line Table		
LINE	BEARING	LENGTH
L44	S61°05'04"E	56.15'
L45	S34°41'44"E	96.92'
L47	S51°26'03"W	155.90'
L48	N89°07'06"E	22.45'
L49	S87°56'34"E	84.03'
L50	S84°07'05"E	88.26'

Curve Table					
CURVE	DELTA	RADIUS	LENGTH	CHORD BEARING	CHORD LENGTH
C55	Δ=26°23'19"	75.00'	34.54'	S47°53'24"E	34.24'
C56	Δ=123°31'15"	50.00'	107.79'	N83°32'37"E	88.10'
C57	Δ=29°39'03"	100.00'	51.75'	N36°36'31"E	51.17'
C59	Δ=37°42'02"	33.00'	21.71'	S70°17'03"W	21.32'
C60	Δ=04°51'31"	1040.53'	88.23'	N09°51'30"E	88.21'



WALL HEIGHT	S	ROCK A	ROCK B
0' TO 1-1/2'	6	2 MAN	1 MAN
1-1/2' TO 2-1/2'	4	2 MAN	1 MAN

ROCK	WEIGHT	SIZE
1 MAN	50-200#'S	12"-18"
2 MAN	200-700#'S	18"-28"
3 MAN	700-2000#'S	28"-36"
4 MAN	2000-4000#'S	36"-48"
5 MAN	4000-6000#'S	48"-54"
6 MAN	6000-8000#'S	54"-60"

ROCKS SHALL BE SOUND, WEATHERING RESISTANT ANGULAR LEDGE ROCK.

a. ABSORPTION: ≤ 2% IGNEOUS METAMORPHIC
≤ 3% SEDIMENTARY
b. ACCELERATED EXPANSION (CRD-C-148) < 15% BREAKDOWN
c. SOUNDNESS (CRD-C-137) ≤ 5% LOSS
d. UNCONFINED COMPRESSIVE STRENGTH (ASTM D 2938-79):
≥ 15,000 psi IGNEOUS METAMORPHIC
≥ 8,000 psi SEDIMENTARY

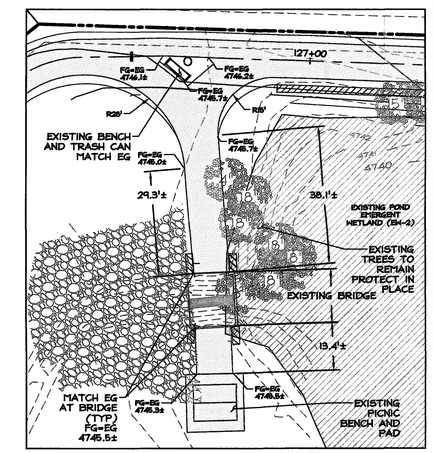
ROCKERY WALL

NO SCALE

CONSTRUCTION NOTES

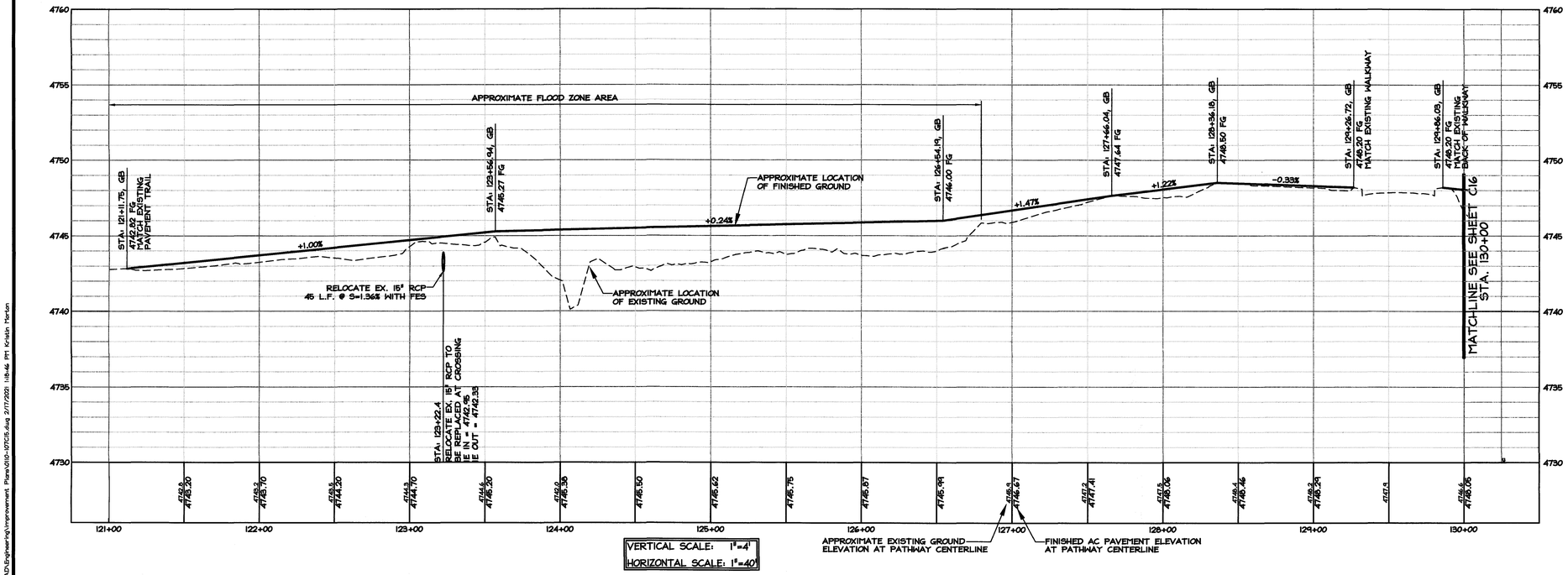
- (◯) SYMBOL USED FOR SPECIFIC NOTE CALLOUT.
- (1) PROPOSED MULTIMODAL TRAIL. REFER TO TYPICAL TRAIL CROSS SECTION DETAIL ON SHEET C17.
- (2) EXISTING SDMH.
- (3) PROPOSED WALL, 166 L.F.±. DETAIL HEREON.
- (4) EXISTING BRIDGE OVER 34" RCP OUTLET.
- (5) AREA OF DISTURBANCE SW-1-A.
- (6) AREA OF DISTURBANCE EW-2-A.
- (7) AREA OF DISTURBANCE EW-2-B.
- (8) MATCH EXISTING GRADE.

#NOTE:
NOT ALL CONSTRUCTION NOTES LISTED MAY BE APPLICABLE TO THIS SHEET.

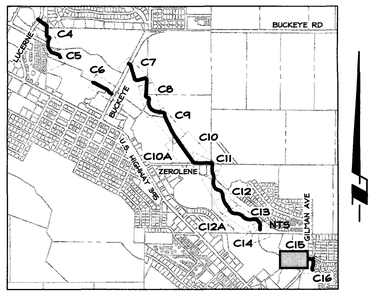


ENLARGED VIEW

SCALE 1"=20'



VERTICAL SCALE: 1"=4'
HORIZONTAL SCALE: 1"=40'



INDEX MAP

NO.	DATE	REVISION BLOCK	BY

SCALE: 1" = 40'

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DOUGLAS COUNTY, NEVADA
TAP-0005(002)

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121+00 TO 130+00

PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT O. ANDERSON
Exp. 12-31-22
CIVIL
No. 7757
2-18-21

DRAWN: KLM	JOB: 0110-107
ENGINEER: ROA	DRAWING: SEE PLOT STAMP
SCALE: 1"=40'	SHEET: C15
DATE: 2-12-2021	OF: 22 SHEETS

BID SET-2-12-2021

CALL 811 BEFORE YOU DIG

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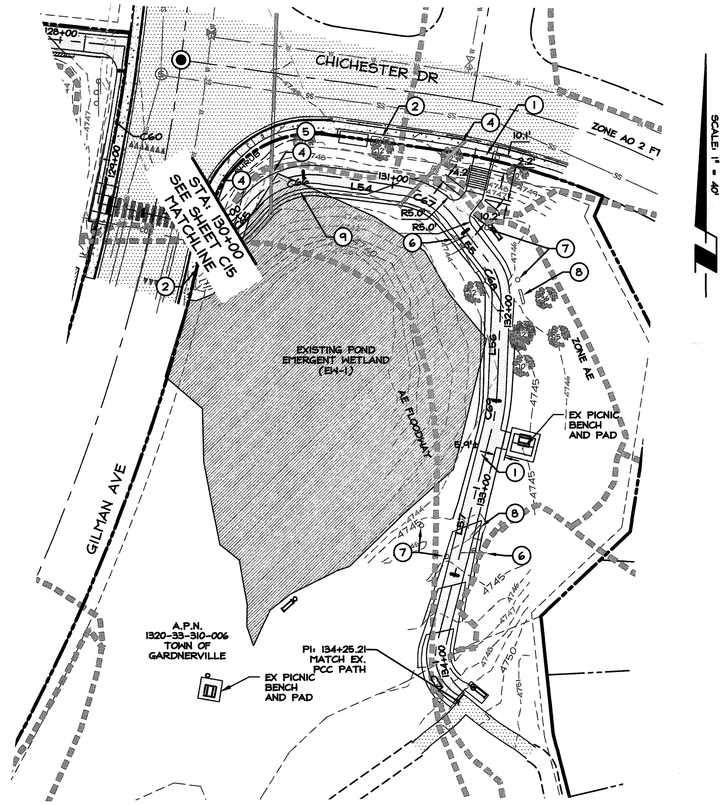


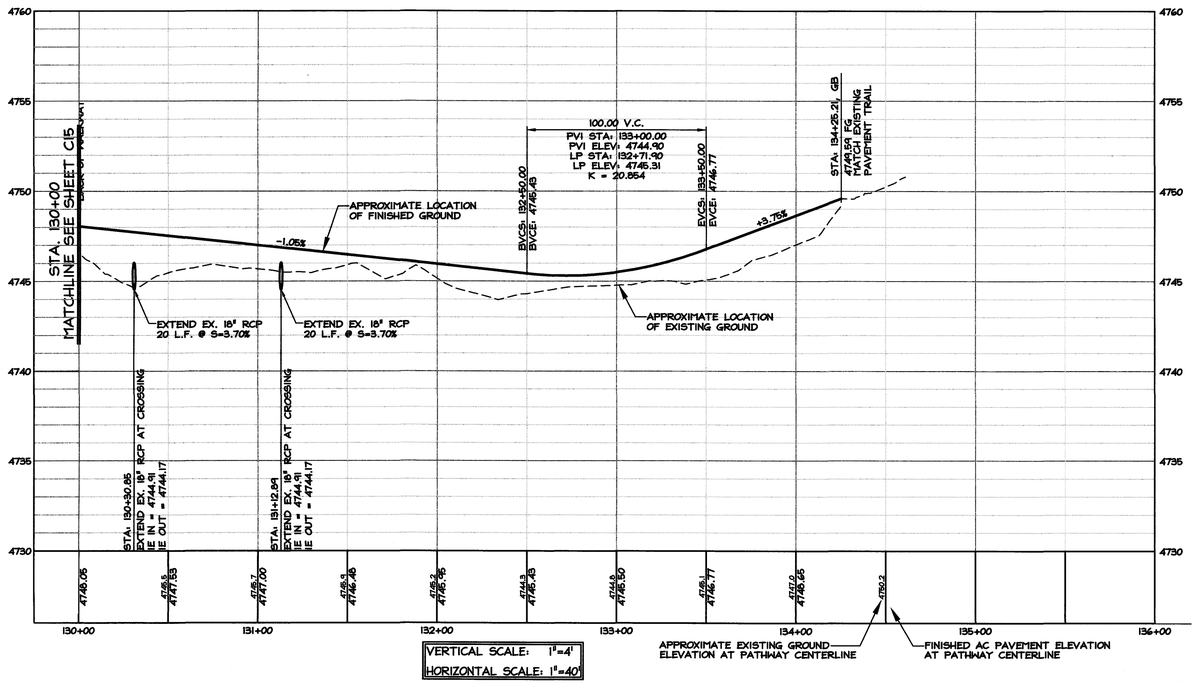
LINE TABLE		
LINE	BEARING	LENGTH
L54	S82°08'51"E	44.87'
L55	S37°21'41"E	31.83'
L56	S02°19'41"W	50.51'
L57	S14°17'11"W	121.24'

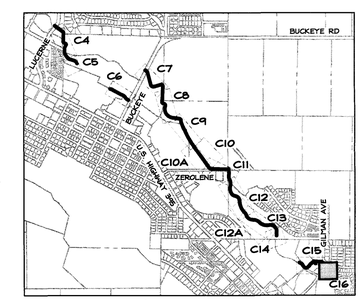
CURVE TABLE					
CURVE	DELTA	RADIUS	LENGTH	CHORD BEARING	CHORD LENGTH
C65	Δ=056°30'16"	19.10'	18.84'	N71°02'26"E	18.09'
C66	Δ=055°14'20"	45.00'	43.38'	S70°13'59"W	41.72'
C67	Δ=044°47'10"	45.00'	35.18'	N59°45'16"W	34.29'
C68	Δ=039°41'23"	30.00'	20.78'	N17°30'59"W	20.37'
C69	Δ=011°57'23"	115.00'	24.00'	N8°18'22"E	23.95'
C71	Δ=078°02'25"	25.52'	34.76'	S22°12'35"E	32.14'

CONSTRUCTION NOTES

- (◯) SYMBOL USED FOR SPECIFIC NOTE CALLOUT.
- (1) PROPOSED MULTIMODAL TRAIL. REFER TO TYPICAL TRAIL CROSS SECTION DETAIL ON SHEET C17.
- (2) EXISTING COMMUNICATION VAULTS. PROTECT IN PLACE
- (3) EXISTING LIGHT. PROTECT IN PLACE.
- (4) PROPOSED 18" RCP - CONNECT TO EXISTING.
- (5) EXISTING POWER UTILITIES. PROTECT IN PLACE
- (6) EXISTING SIGNS. PROTECT IN PLACE.
- (7) EXISTING GARBAGE CANS. RELOCATE AS NECESSARY.
- (8) EXISTING PARK BENCH. RELOCATE AS NECESSARY.
- (9) AREA OF DISTURBANCE EW-1-A.

#NOTE:
NOT ALL CONSTRUCTION NOTES LISTED MAY BE APPLICABLE TO THIS SHEET.





INDEX MAP
NTS

NO.	DATE	REVISION BLOCK	BY

SCALE: 1" = 40'

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PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT O. ANDERSON
Exp. 12-31-22
CIVIL
No. 7761
2-12-21

DRAWN: KLM	JOB: 0110-107
ENGINEER: ROA	DRAWING: SEE PLOT STAMP
SCALE: 1"=40'	SHEET: C16
DATE: 2-12-2021	OF: 22 SHEETS

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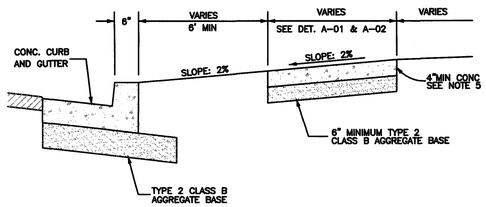
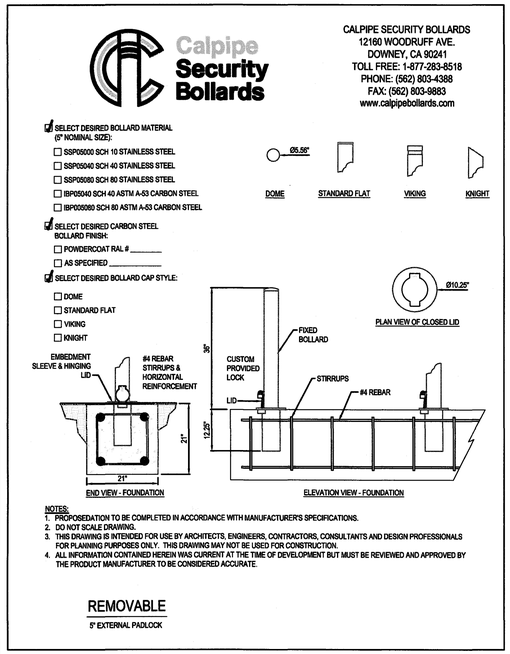
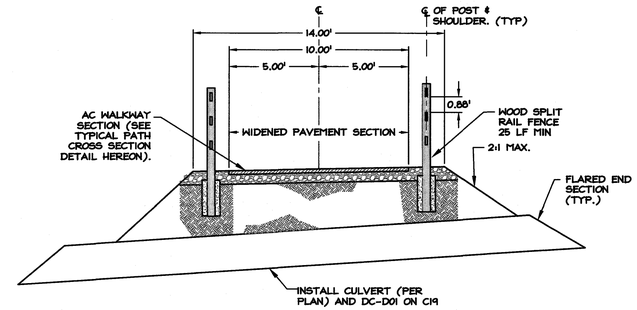


NOTES:

1. PORTLAND CEMENT CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 202 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR CONCRETE EXPOSED TO FREEZE-THAW ENVIRONMENTS.
2. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED EVERY 5 FEET. ON SIDEWALKS WIDER THAN 5 FEET, THE JOINTING PATTERN SHALL BE 0.8 TO 1.2 TIMES THE WIDTH OF THE SIDEWALK, NOT TO EXCEED 8 FEET. THE JOINTS SHALL PENETRATE TO A DEPTH OF 2 INCHES AND BE CONSTRUCTED IN CONFORMANCE WITH SECTION 312.09.02 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
3. EXPANSION JOINTS SHALL BE CONSTRUCTED AT LOCATIONS DESIGNATED IN SECTION 312.09.01A OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
4. TYPE 2, CLASS B AGGREGATE BASE SHALL CONFORM TO SECTION 200 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AND SHALL BE MECHANICALLY COMPACTED IN CONFORMANCE WITH SECTION 308.05 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
5. CONCRETE SIDEWALK ADJACENT TO DRIVEWAY APRONS SHALL HAVE A MINIMUM THICKNESS OF 6".
6. NO OBSTRUCTION, SUCH AS UTILITY POLES, SIGNAL POLES AND CONTROLS, WATER METER BOXES, PULL BOXES, ETC. ARE ALLOWED WITHIN SIDEWALKS.
7. FOR SIDEWALKS WITHIN DOWNTOWN GARDNERVILLE, PROVIDE TREE GRATES AND CONCRETE SCORING AS REQUIRED BY THE TOWN IN ACCORDANCE WITH THE TOWNS TREE GRATE AND STAMP DETAIL.
8. CONTRACTOR SHALL COMPLY WITH THE RECOMMENDATIONS FOR SITE PREPARATION IN THE SOILS REPORT AS WELL AS STRUCTURAL SUB-BASE RECOMMENDED TO SEPARATE STRUCTURAL SECTION FROM CLAY SOILS.

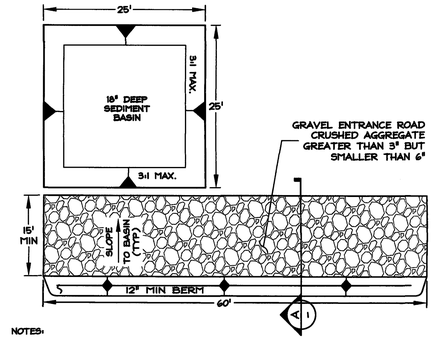
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	ROA	10/20	TYPICAL SIDEWALK	DOUGLAS COUNTY
				DATE: 6/07/2007
				DWG: DC A14





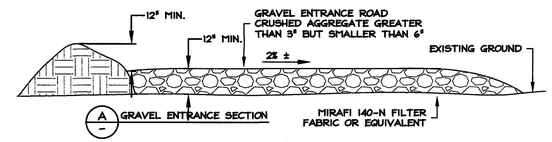
TYPICAL CULVERT CROSS SECTION

N.T.S.



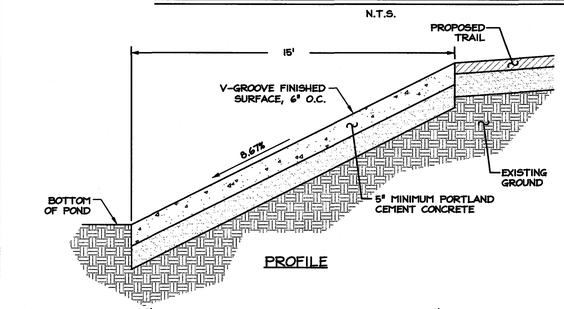
NOTES:

1. ALL EMPLOYEES, SUBCONTRACTORS, AND OTHERS THAT LEAVE THE SITE WITH MUD CAKED TIRES AND UNDERCARRIAGES SHALL USE THE WASH FACILITY.
2. REMOVE ACCUMULATED SEDIMENT IN WASH RACK AND OR SEDIMENT TRAP TO MAINTAIN SYSTEM PERFORMANCE.

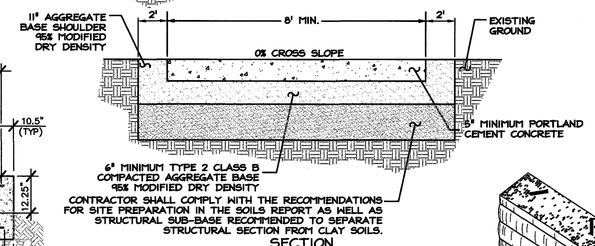


TEMPORARY CONSTRUCTION ACCESS

NTS



PROFILE

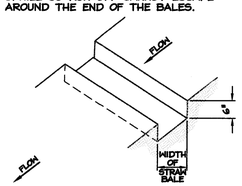


SECTION

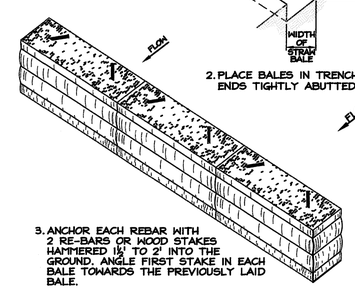
BOAT RAMP DETAIL

NTS

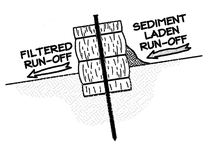
1. DIG A 6" x 2' TRENCH. ALIGN TRENCH ALONG CONTOUR BUT CURVED SLIGHTLY UPHILL SO RUN-OFF CANNOT ESCAPE AROUND THE END OF THE BALES.



2. PLACE BALES IN TRENCH WITH ENDS TIGHTLY ABUTTED.



3. ANCHOR EACH REBAR WITH 2 RE-BARS OR WOOD STAKES HAMMERED 1½' TO 2' INTO THE GROUND. ANGLE FIRST STAKE IN EACH BALE TOWARDS THE PREVIOUSLY LAID BALE.
4. WEDGE LOOSE STRAW BETWEEN BALES. BACKFILL AND COMPACT THE EXCAVATED SOIL AGAINST THE UPHILL SIDE OF THE BARRIER.



5. WHEN PROPOSEDING THE BALES ON PAVEMENT, YOU CAN PILE GRAVEL OR ROCK BEHIND TO HOLD THEM IN PLACE.

MATERIALS:

- STRAW BALES (BOUND WITH WIRE OR TWINE)
- WOOD OR STEEL STAKES (4' MIN.) 2"x2" WOOD, RE-BARS OR STEEL PICKETS, 2' STAKES PER BALE

MAINTENANCE TIPS

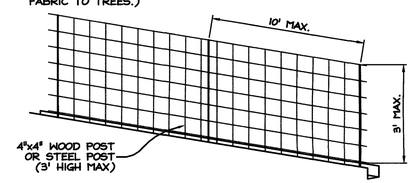
INSPECT PERIODICALLY AND AFTER EACH STORM. REPLACE DAMAGED BALES; RE-ANCHOR DISPLACED ONES.

CLEAN OUT THE SEDIMENT BEFORE IT REACHES THE TOP OF THE BALES. DEPOSIT THE SEDIMENT WHERE IT WILL NOT ENTER A DRAINAGEWAY.

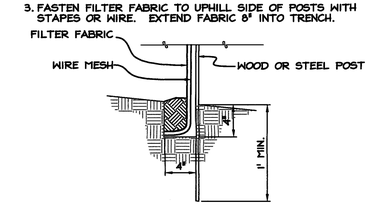
STRAW BALE SEDIMENT BARRIER

NTS

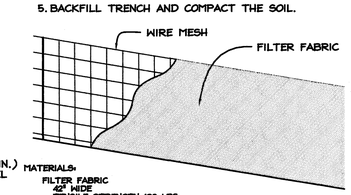
1. SPACE POSTS NO MORE THAN 10' APART AND DRIVE THEM AT LEAST 1' INTO THE GROUND. ALIGN THE FENCE ALONG THE SLOPE CONTOUR, CURVING IT SLIGHTLY UPHILL TO AVOID END RUNS.
2. FASTEN WIRE MESH TO UPHILL SIDE OF POST WITH STAPES (ON WOOD POSTS) OR WIRE (ON STEEL POSTS). EXTEND MESH TO BOTTOM OF TRENCH. (DO NOT ATTACH MESH OR FABRIC TO TREES.)



3. FASTEN FILTER FABRIC TO UPHILL SIDE OF POSTS WITH STAPES OR WIRE. EXTEND FABRIC 8" INTO TRENCH.



5. BACKFILL TRENCH AND COMPACT THE SOIL.



MATERIALS:

FILTER FABRIC
42" WIDE
TENSILE STRENGTH 120 LBS.
EQUIVALENT OPENING SIZE 70

POSTS
5' LONG (MIN.)
4"x4" WOOD OR 1.3 LBS/FT. STEEL
EQUIVALENT OPENING SIZE 70

WIRE MESH
42" WIDE
6" MESH MAX.
14 GAUGE WIRE (MIN.)

STAPLES (FOR WOOD POSTS)
HEAVY DUTY
1" LONG (MIN.)
14 GAUGE WIRE (MIN.)

WIRE (FOR STEEL POSTS)

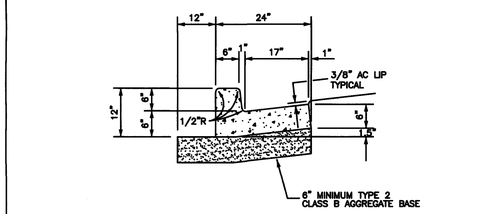
NOTES:

SOME TYPES OF FILTER FABRIC FENCE HAVE STAKES INCLUDED AND DO NOT REQUIRE THE MATERIALS LISTED.

THE FABRIC SHOULD NOT EXCEED MORE THAN 3' ABOVE THE GROUND. CUT FILTER FABRIC FROM A CONTINUOUS ROLL TO AVOID HAVING JOINTS. WHERE JOINTS ARE NECESSARY, SPLICE THE FABRIC ONLY AT A POST, WITH AT LEAST 6" OF OVERLAP, AND FASTEN BOTH ENDS SECURELY TO THE POST.

FILTER FENCE

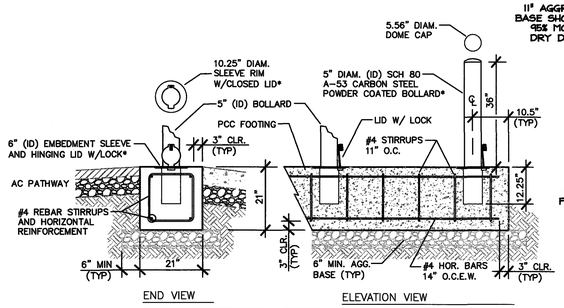
NTS



NOTES:

1. PORTLAND CEMENT CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 202 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR CONCRETE EXPOSED TO FREEZE-THAW ENVIRONMENTS.
2. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED EVERY 10 FEET. THE JOINTS SHALL PENETRATE TO A DEPTH OF 2 INCHES AND BE CONSTRUCTED IN CONFORMANCE WITH SECTION 312.09.02 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
3. EXPANSION JOINTS SHALL BE CONSTRUCTED AT LOCATIONS DESIGNATED IN SECTION 312.09.01A OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
4. TYPE 2, CLASS B AGGREGATE BASE SHALL CONFORM TO SECTION 200 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AND SHALL BE MECHANICALLY COMPACTED IN CONFORMANCE WITH SECTION 308.05 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
5. CONTRACTOR SHALL COMPLY WITH THE RECOMMENDATIONS FOR SITE PREPARATION IN THE SOILS REPORT AS WELL AS STRUCTURAL SUB-BASE RECOMMENDED TO SEPARATE STRUCTURAL SECTION FROM CLAY SOILS.

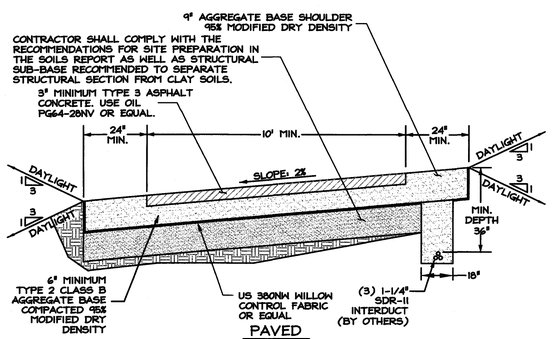
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	ROA	10/20	TYPE 1 PCC CURB & GUTTER	DOUGLAS COUNTY
				DATE: 6/07/2007
				DWG: DC A12



*NOTE:
DOUBLE BOLLARD SHOWN IN DETAILS. SINGLE BOLLARD TO BE USED ON THIS TRAIL.

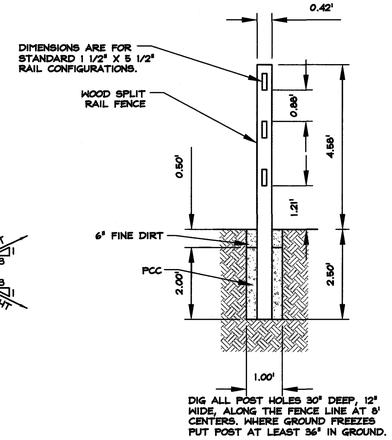
REMOVABLE BOLLARD DETAIL

*CAL PIPE SECURITY BOLLARDS (OR SIMILAR) NO SCALE



TYPICAL MULTIMODAL TRAIL CROSS SECTION

NTS



FENCE POST SECTION

SCALE: 1 : 2

NO.	DATE	REVISION BLOCK	BY

R|O|Anderson
WWW.ROANDERSON.COM
MINDEN
1603 Esmeralda Ave
P.O. Box 2229
Minden, NV 89423
p 775.782.2322
f 775.782.7084
RENO
9060 Double Diamond Pkwy, Unit 1B
Reno, NV 89521
p 775.782.2322
f 775.782.7084

MARTIN SLOUGH MULTIMODAL TRAIL
DOUGLAS COUNTY, NEVADA
TAP-0005(002)

DETAILS

PROFESSIONAL ENGINEER STATE OF NEVADA ROBERT O. ANDERSON Exp. 12-31-22 CIVIL No. 7787

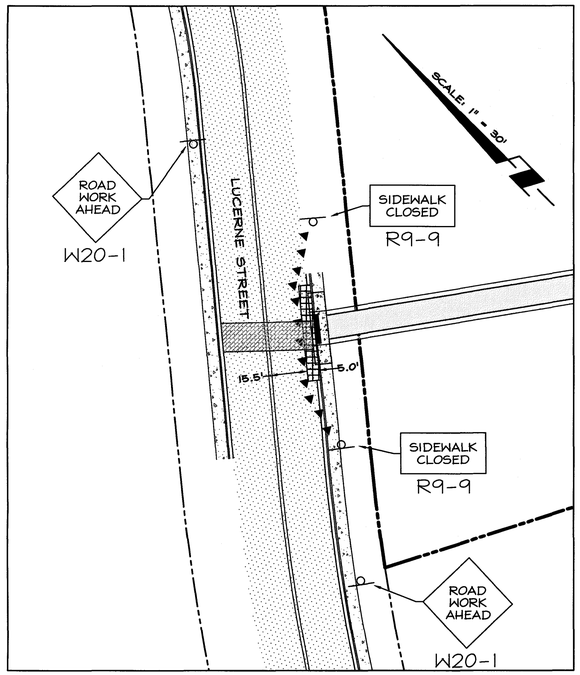
2-18-21

DRAWN: KLM		JOB: 0110-107	
ENGINEER: ROA		DRAWING: SEE PLOT STAMP	
SCALE: NTS		SHEET: C17	
DATE: 2-12-2021		OF: 22 SHEETS	

BID SET-2-12-2021

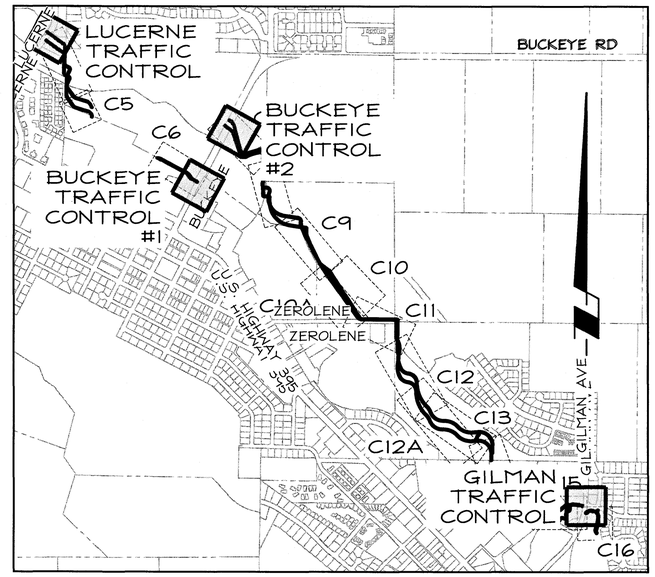
CALL 811 BEFORE YOU DIG

Y:\Client Files\0110\0110-107\CAD\Engineering\Improvement Plans\0110-107C17.dwg 2/18/2021 12:15:40 PM Kristin Horton



LUCERNE TRAFFIC CONTROL

1"=30'

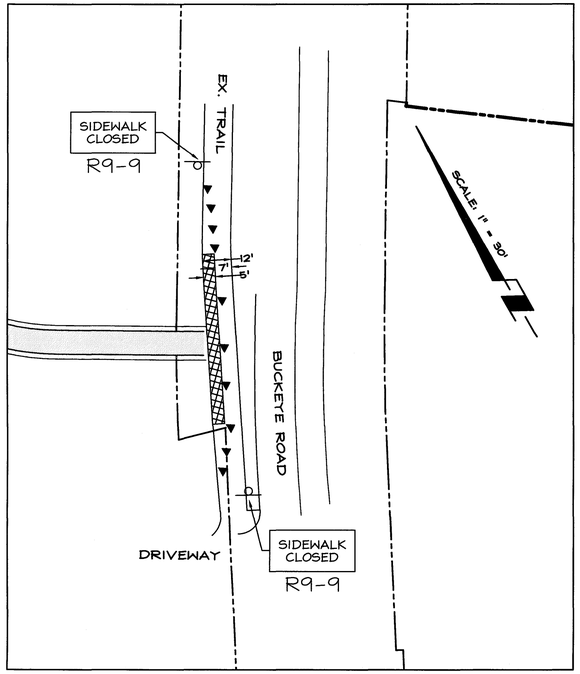


INDEX MAP

NTS

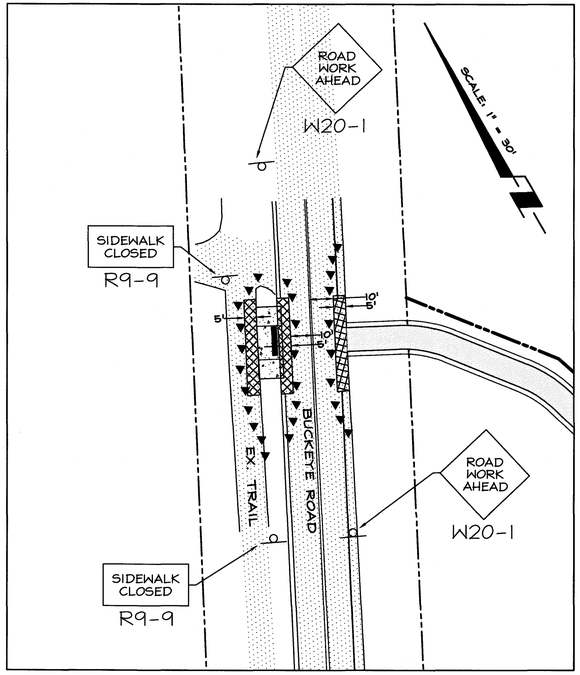
NOTES

- IN THE EVENT THERE ARE DEFICIENCIES TO THE TRAFFIC CONTROL PLAN WHICH REQUIRE CORRECTING, CONTACT THE ENGINEER: R. O. ANDERSON ENGINEERING PH: (775) 782-2322
- FOR TRAFFIC CONTROL NOT SHOWN REFER TO STATE OF NEVADA STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION, 2010 EDITION.
- TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE REQUIREMENTS OF THE M.U.T.C.D.,2005 EDITION. ADDITIONAL SIGNS MAY BE REQUIRED AS DIRECTED BY THE FIELD ENGINEER.
- ALL LEGALLY ESTABLISHED SURVEY MONUMENTS DISTURBED DURING CONSTRUCTION SHALL BE PRESERVED IN ACCORDANCE WITH STATE AND LOCAL LAWS AND REGULATIONS.
- SIGN LOCATIONS ARE APPROXIMATE ONLY AND MAY BE ADJUSTED BY THE FIELD ENGINEER.
- ALL WARNING SIGNS (W SERIES) SHALL BE BLACK ON RETROREFLECTIVE ORANGE. WARNING SIGNS SHALL BE 3.0' x 3.0', R2-1 & R2-5A SHALL BE 3.0' x 4.0'.
- ALL FLAGGER SIGNS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM ROAD USERS WHEN THE FLAGGING OPERATIONS ARE NOT OCCURRING (TYP.) FLAGGERS SHALL BE STATE CERTIFIED.
- SPEED LIMIT IS 25 MPH



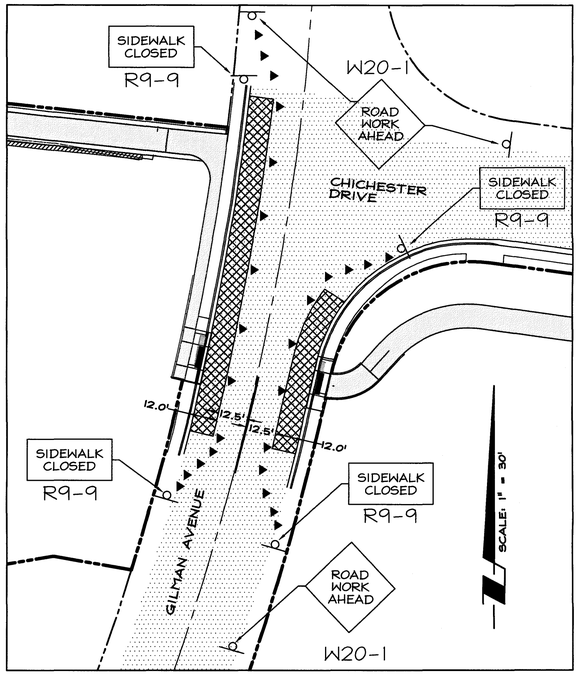
BUCKEYE TRAFFIC CONTROL #1

1"=30'



BUCKEYE TRAFFIC CONTROL #2

1"=30'



GILMAN TRAFFIC CONTROL

1"=30'

CALL 811 BEFORE YOU DIG

NO.	DATE	REVISION BLOCK	BY

SCALE: 1" = 30'

R|O|Anderson
WWW.ROANDERSON.COM
MINDEN
1603 Esmeralda Ave
P.O. Box 2229
Minden, NV 89423
p 775-782-2322
f 775-782-1024
RENO
9060 Double Diamond Pkwy, Unit 115
Reno, NV 89521
p 775-782-2322
f 775-782-1024

MARTIN SLOUGH MULTIMODAL TRAIL
DOUGLAS COUNTY, NEVADA
TAP-0005(002)

DETAILS

PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT O. ANDERSON
Exp. 12-31-22
CIVIL
No. 7261

2-18-21

DRAWN: KLM	JOB: 0110-107
ENGINEER: ROA	DRAWING: SEE PLOT STAMP
SCALE: 1" = 30'	SHEET: C18
DATE: 2-12-2021	OF: 22 SHEETS

BID SET-2-12-2021

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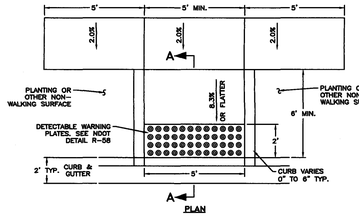
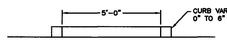
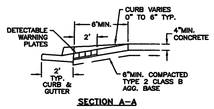


PLAN



ELEVATION



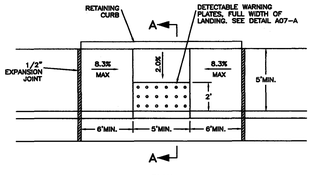
SECTION A–A

NOTES:

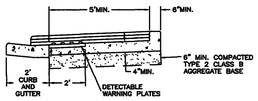
1. SEE "CURB RAMP GENERAL NOTES" DETAIL A07–E FOR FURTHER REQUIREMENTS.

PAGE 1 OF 1

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION:	
			MID–BLOCK CURB RAMP WITH DETACHED SIDEWALK	DATE:	DOUGLAS COUNTY JULY 2017
				DWG:	A07–A



PLAN
NTS



SECTION A–A
NTS

NOTES:

1. RETAINING CURB TO BE USED IN ALL CASES. MAINTAIN SLOPE OF SIDEWALK OUTSIDE OF CURB RAMP.
2. SEE "CURB RAMP GENERAL NOTES" DETAIL A07–E FOR FURTHER REQUIREMENTS.
3. CONTRACTOR SHALL COMPLY WITH THE RECOMMENDATIONS FOR SITE PREPARATION IN THE SOILS REPORT AS WELL AS STRUCTURAL SUB–BASE RECOMMENDED TO SEPARATE STRUCTURAL SECTION FROM CLAY SOILS.

PAGE 1 OF 1

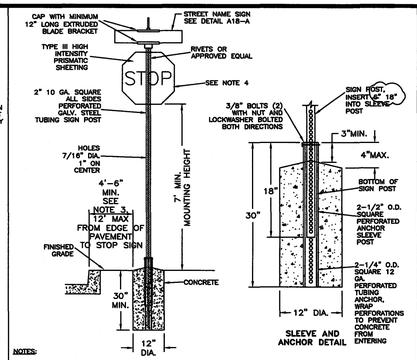
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION:	
			MID–BLOCK CURB RAMP WITH ATTACHED SIDEWALK	DATE:	DOUGLAS COUNTY JULY 2017
				DWG:	A07–B

NOTES:

1. NO CONCRETE SHALL BE PLACED UNTIL FORMS AND SUBGRADE ARE INSPECTED BY DOUGLAS COUNTY.
2. PORTLAND CEMENT CONCRETE SHALL HAVE THE FOLLOWING CHARACTERISTICS: SYNTHETIC FIBER–REINFORCEMENT (AT A MINIMUM OF 1 POUND PER CUBIC YARD), 4000 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS, MINIMUM 6 SACKS OF CEMENT PER CUBIC YARD WITH A MAXIMUM WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES. ALL MATERIALS SHALL CONFORM TO SECTION 337 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
3. ALL CONCRETE EDGING AND JOINTING SHALL BE CONSTRUCTED IN CONFORMANCE WITH SECTION 312 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
4. IF OBSTRUCTIONS SUCH AS INLETS, UTILITY POLES, FIRE HYDRANTS, ETC., ARE ENCOUNTERED, THE LOCATION AND DIMENSIONS MAY BE ADJUSTED UPON APPROVAL BY DOUGLAS COUNTY. A MINIMUM LANDING OF 3 FEET x 5 FEET CLEAR IS REQUIRED WHEN DIRECTION OF TRAVEL MAY CHANGE. A MINIMUM OF 4 FEET CLEAR MAY BE USED UPON APPROVAL BY DOUGLAS COUNTY WHERE DIRECTION OF TRAVEL IS NOT EXPECTED TO CHANGE. FOR NEW CONSTRUCTION ALL OBSTRUCTIONS SHALL BE LOCATED OUTSIDE OF THE RAMP.
5. WHEN A CROSSWALK IS SERVICED BY RAMP, LANDINGS SHALL BE CONTAINED WITHIN THE CROSSWALK AREA.
6. EXISTING CONCRETE TO BE REMOVED SHALL BE SAW CUT AT THE JOINT.
7. PLANTMIX BITUMINOUS SURFACE SHALL BE FLUSH WITH THE EDGE OF THE GUTTER PAN IN THE AREA OF THE CURB RAMP. GUTTER SHALL MAINTAIN POSITIVE DRAINAGE TO PREVENT PONDING.
8. ALL AGGREGATE BASE SHALL BE TYPE 2 CLASS B AND SHALL CONFORM TO SECTION 200 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
9. NEW CONCRETE SHALL HAVE A HEAVY BROOM FINISH PERPENDICULAR TO SIDEWALK.
10. FOR RADIAL INSTALLATIONS WITH OR WITHOUT 6 FOOT MINIMUM LANDSCAPE STRIP, USE NDOT DETAIL R–5.2.1 TYPE A.
11. ALL CURB RAMPS AND SIDEWALKS SHALL COMPLY WITH CURRENT ADA AND PROWAG STANDARDS.
12. ALL CURB RETURN RAMPS SHALL BE PER CURRENT NDOT STANDARDS (R–5.2.1 AND R–5.2.2 AT TIME OF CURRENT PUBLICATION, ATTACHED FOR REFERENCE).

PAGE 1 OF 1

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION:	
			CURB RAMP GENERAL NOTES	DATE:	DOUGLAS COUNTY JULY 2017
				DWG:	A07–E



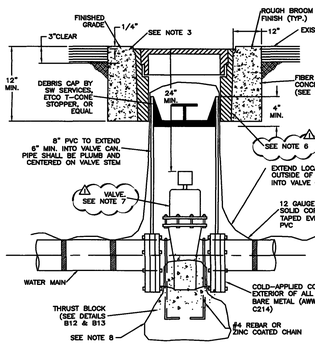
SLEEVE AND ANCHOR DETAIL

NOTES:

1. SIGN MATERIALS, CONSTRUCTION AND PLACEMENT SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND SECTION 215 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. STREET NAME SIGN SHALL BE MOUNTED WITH VANDAL–RESISTANT HARDWARE.
3. ON STREETS WHERE CURB DOES NOT EXIST, SET EDGE OF SIGN 6' MINIMUM FROM PAVEMENT EDGE.
4. SIGN (WITH 3/8" GALVANIZED STEEL BACK BRACE) AND LETTERING SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE MUTCD.
5. SIGN POST SHALL NOT BE ANCHORED IN SIDEWALK.
6. POSTS AND ANCHORS IN THE DOWNTOWN AREA OF GARDNERVILLE SHALL BE BLACK.
7. DECORATIVE POLES AND SIGNS MAY BE REQUIRED IN THE TOWNS OF MINDEN AND GARDNERVILLE. REFER TO THE TOWN'S SPECIFIC DETAILS.

PAGE 1 OF 1

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION:	
			STANDARD STREET SIGN	DATE:	DOUGLAS COUNTY DEC. 2018
				DWG:	A18–B



SEE NOTES ON PAGE 2

PAGE 1 OF 2

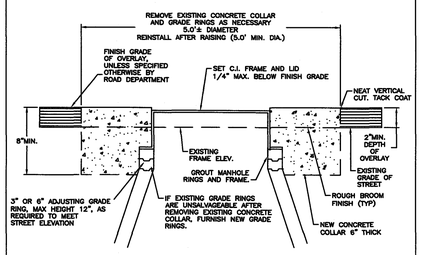
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION:	
1	CORRECTED TYPO	2/19	VALVE	DATE:	DOUGLAS COUNTY JULY 2017
				DWG:	B10

NOTES:

1. CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION 202.12 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. IN ALL AREAS, LIDS SHALL BE SET FLUSH WITH FINISHED GRADE UNLESS OTHERWISE NOTED.
3. THE CONCRETE COLLAR SHALL BE 1/4" BELOW SURROUNDING PAVEMENT.
4. SPLICES IN WIRE SHALL BE CONNECTED BY WIRE NUTS AND WRAPPED WITH U/L LISTED ELECTRICAL TAPE, OR AS SPECIFIED BY WATER UTILITY.
5. THE CONTRACTOR SHALL PROVIDE AND INSTALL EXTENSION STEMS SO THAT VALVE OPERATING NUT IS NOT GREATER THAN 5 FEET BELOW FINISHED GRADE.
6. 10" VALVE BOX AND COVER MARKED "WATER" CHRISTY G–5 (AS APPROVED BY WATER UTILITY) WITH CAST IRON LID OR EQUAL. SEE "VALVE BOX" DETAIL B11.
7. VALVE:
   - FULL FLOW WATERWAY
   - O–RING SEAL
   - WEDGE DESIGN
   - FULL EPOXY COATING INSIDE AND OUT
   - OPERATOR NUT
   - 235 PSI RATING
   - STAINLESS STEEL BOLTS WITH BRONZE OR STAINLESS STEEL NUTS
   - LOW ZINC OR SS STEM
   - AWWA C509
   - RESILIENT WEDGE
8. THRUST BLOCK OR CONCRETE PILLOW WITH #4 REBAR OR ZINC COATED CHAIN MAY BE REQUIRED AT THE DISCRETION OF THE WATER UTILITY. MATERIAL USED FOR THRUST BLOCKING SHALL NOT PREVENT ACCESS TO THE BOLT ASSEMBLY.
9. THRUST BLOCK MAY BE ELIMINATED FOR FLANGED VALVES WITH MUELLER AQUAGRIP OR APPROVED EQUAL FLANGED RESTRAINT ADAPTOR, UNLESS CONSTRUCTING IN THE GARDNERVILLE WATER COMPANY SERVICE AREA.
10. RESTRAINTS PER ENGINEER'S DESIGN, BUT MANUFACTURER PARTS AS APPROVED BY WATER UTILITY.
11. ALL APPURTENANCES SHALL BE AS SPECIFIED, UNLESS APPROVED AS EQUAL BY WATER UTILITY.
12. VALVES LARGER THAN 12–INCH SHALL BE BUTTERFLY VALVES, OR AS APPROVED BY WATER UTILITY.

PAGE 2 OF 2

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION:	
			VALVE	DATE:	DOUGLAS COUNTY JULY 2017
				DWG:	B10

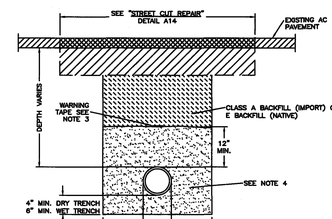


NOTES:

1. CONCRETE SHALL BE FIBER REINFORCED 4000 PSI AT 28 DAYS MIX.
2. CONTRACTOR MAY RAISE LIDS BEFORE OR AFTER OVERLAY AT HIS OPTION.
3. IF NEW BARREL SECTION IS ADDED ALL WORK SHALL CONFORM TO SANITARY SEWER MANHOLE DETAIL C03.
4. CONTRACTOR SHALL MAINTAIN MANHOLE AND SEWER LINES FREE OF DEBRIS AT ALL TIMES.
5. GRADE RINGS SHALL BE PRECAST CONCRETE OR HDPE LADTECH INSTALLED PER MANUFACTURER'S SPECIFICATIONS. WOOD SHIMS ARE NOT ALLOWED WITH LADTECH SYSTEMS.
6. VACUUM TESTING NOT REQUIRED ON EXISTING MANHOLES.

PAGE 1 OF 1

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION:	
			SANITARY SEWER MANHOLE RAISING	DATE:	DOUGLAS COUNTY JULY 2017
				DWG:	C05



THE FOLLOWING GRADED BEDDING MATERIAL MAY BE USED IN WET TRENCHES:

U.S. STANDARD SIEVE SIZE	PERCENT BY WEIGHT PASSING
1.5"	100%
1"	50–90%
3/4"	30–70%
3/8"	10–40%
#4	5–25%
#200	0–10%

CLASS A BACKFILL PER ORANGE BOOK 200.03.02 USED AS BEDDING MATERIAL MUST BE USED IN DRY TRENCHES ONLY. SEE NOTE 4.

SEE NOTES ON PAGE 2

PAGE 1 OF 2

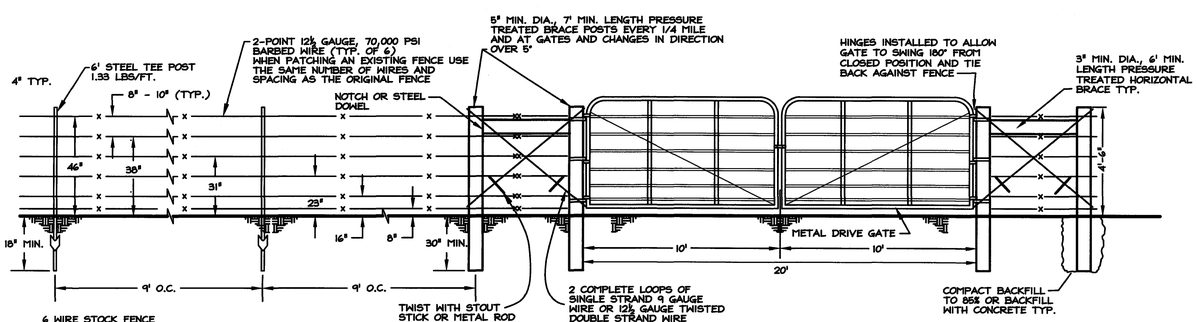
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION:	
			TYPICAL STORM DRAIN TRENCH	DATE:	DOUGLAS COUNTY JULY 2017
				DWG:	D01

NOTES:

1. ALL REQUIREMENTS OF THE STORM DRAIN UTILITY ORDINANCE MUST BE MET.
2. CLASS A AND CLASS E BACKFILL AND BEDDING MATERIAL SHALL CONFORM TO SECTION 200 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. BEDDING AND BACKFILL SHALL BE MECHANICALLY COMPACTED IN CONFORMANCE WITH SECTION 305.10 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
3. PLACE WARNING TAPE 1–FOOT ABOVE STORM DRAIN PIPE. WARNING TAPE SHALL READ "CAUTION STORM DRAIN MAIN".
4. CLASS A BACKFILL AS BEDDING MATERIAL PER ORANGE BOOK 200.03.02. COMPACT OR CONSOLIDATE TO PROVIDE PROPER SUPPORT OF PIPE.
5. UTILIZE WATER STOP DETAIL D02 FOR WET TRENCHES.

PAGE 2 OF 2

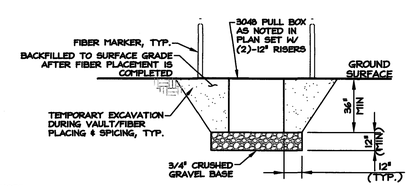
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION:	
			TYPICAL STORM DRAIN TRENCH	DATE:	DOUGLAS COUNTY JULY 2017
				DWG:	D01



NOTE:
1. SALVAGE AND RE-USE GATE HARDWARE TO THE EXTENT POSSIBLE. REPLACE HARDWARE AS NECESSARY SO GATE OPERATES IN AN EQUAL OR BETTER MANNER.

FENCE AND GATE DETAIL

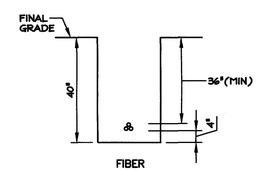
NTS



NOTE:
1. VAULT SHALL BE PEDESTRIAN RATED & LOCATED OUTSIDE OF VEHICLE TRAFFIC AREAS.

TYPICAL FIBER PULL BOX (PROVIDED BY OTHERS)

NTS



NOTE:
1. BACKFILL SHALL BE MECHANICALLY COMPACTED IN ACCORDANCE WITH SECTION 305 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. ALL UNDERGROUND UTILITIES SHALL INCLUDE TRACER WIRE OR OTHER MEANS OF DETECTING THE SUBSURFACE INSTALLATION THROUGH USE OF A NONINVASIVE METHOD FROM OR ABOVE THE SURFACE OF THE GROUND.

TYPICAL UTILITY TRENCH

NTS

CALL 811 BEFORE YOU DIG

NO.	DATE	REVISION BLOCK	BY

R O Anderson
WWW.ROANDERSON.COM
MINDEN
1625 Esmeralda Ave
P.O. Box 2224
Minden, NV 89423
p 775.782.2322
f 775.782.7084
RENO
9060 Double Diamond Pkwy, Unit 115
Reno, NV 89521
p 775.782.2322
f 775.782.7084

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DOUGLAS COUNTY, NEVADA
TAP-0005(002)

DETAILS

PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT O. ANDERSON
CIVIL
Exp. 12-31-22
No. 7761

2-18-21

DRAWN:	KLM	JOB:	0110-107
ENGINEER:	ROA	DRAWING:	SEE PLOT STAMP
SCALE:	NTS	SHEET:	C19
DATE:	2-12-2021	OF:	22 SHEETS

BID SET-2-12-2021

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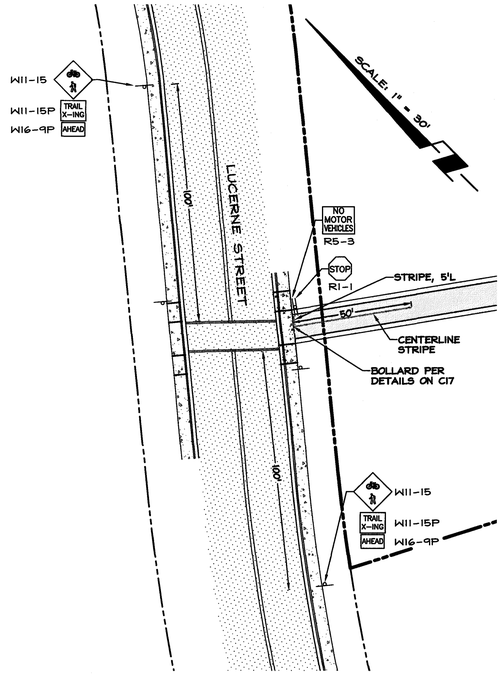
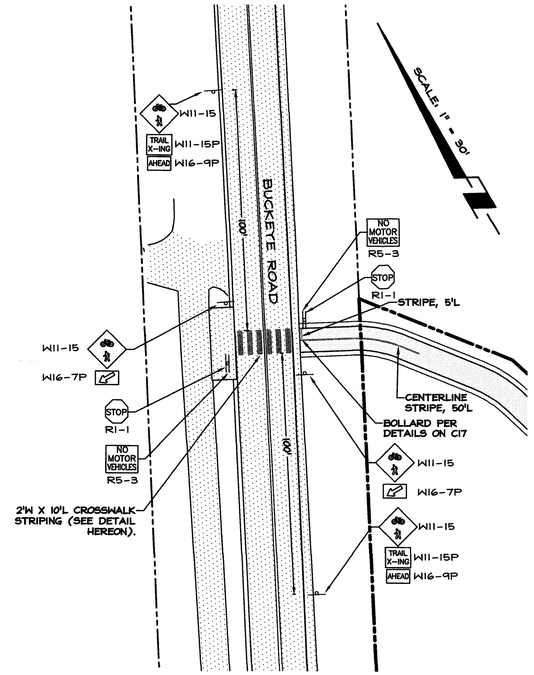


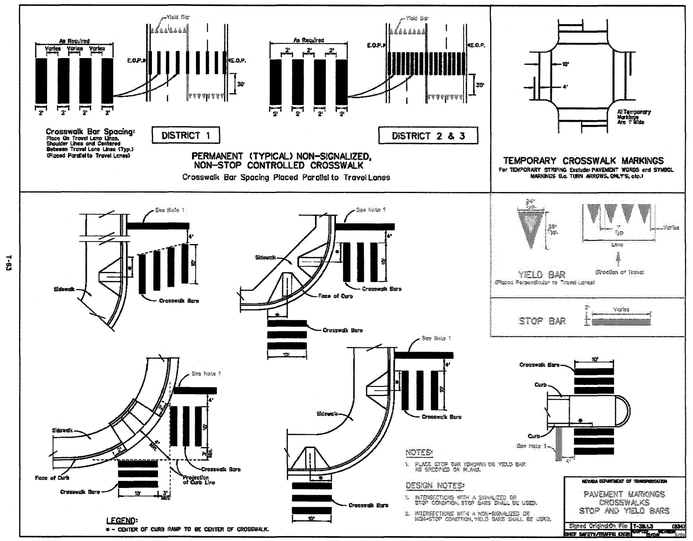
LUCERNE CROSSING

1"=30'



BUCKEYE CROSSING

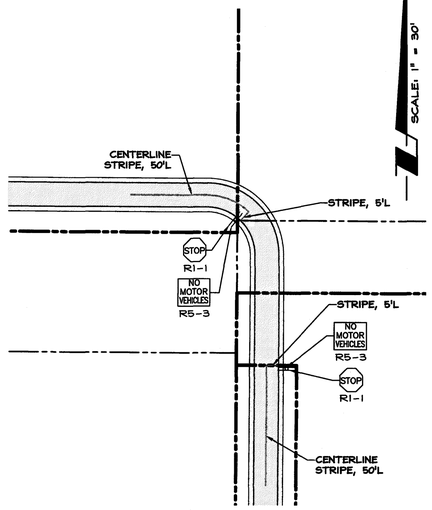
1"=30'



T-43

NOTES:

1. ALL SIGNS MOUNTED IN UNINCORPORATED DOUGLAS COUNTY SHALL BE INSTALLED PER STANDARD STREET SIGN DETAIL DC A18-B ON SHEET C19.
2. ALL SIGNS MOUNTED IN TOWN OF GARDNERVILLE SHALL BE INSTALLED PER TOWN ROAD DECORATIVE STOP/STREET SIGN DETAIL TOG-02 ON SHEET C11.
3. STRIPING SHALL BE WHITE, TYPE II WATERBORNE PAINT. WATERBORNE PAINT SHALL BE APPLIED IN TWO COATS, EACH HAVING A MINIMUM WET THICKNESS OF 25 MILS AND A MINIMUM DRY THICKNESS OF 15 MILS MEASURED WITHOUT GLASS BEADS. BOTH COATS SHALL INCLUDE GLASS BEADS AT THE RATE OF 9 LBS/GALLON.



ZEROLENE CROSSING

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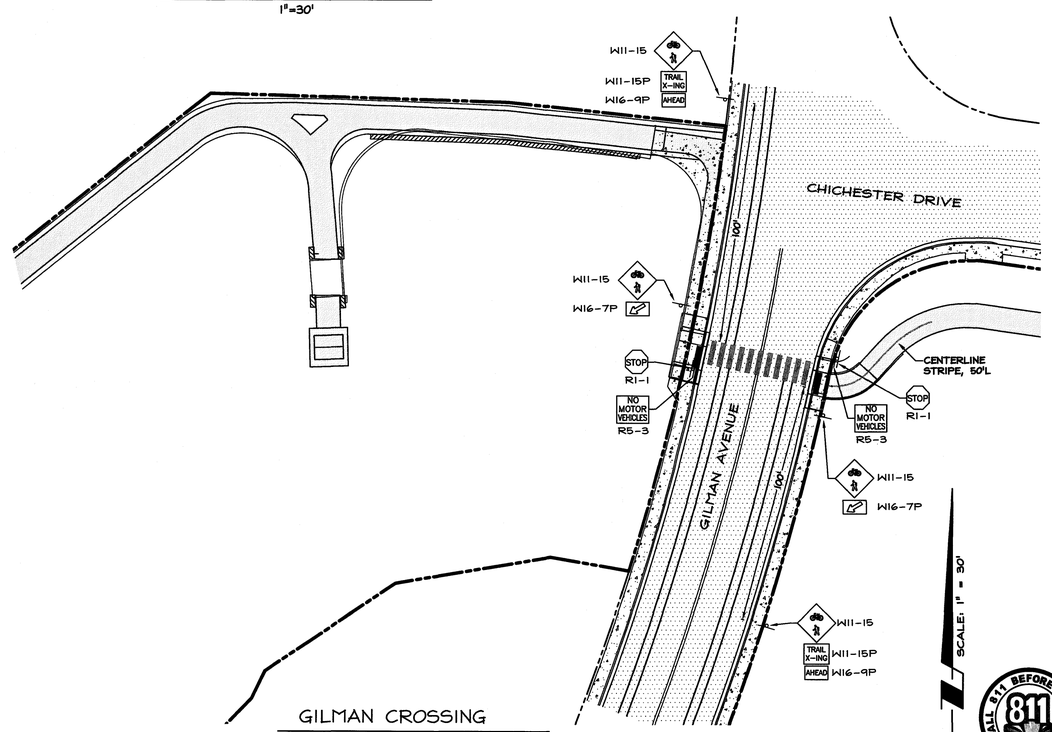

GILMAN CROSSING

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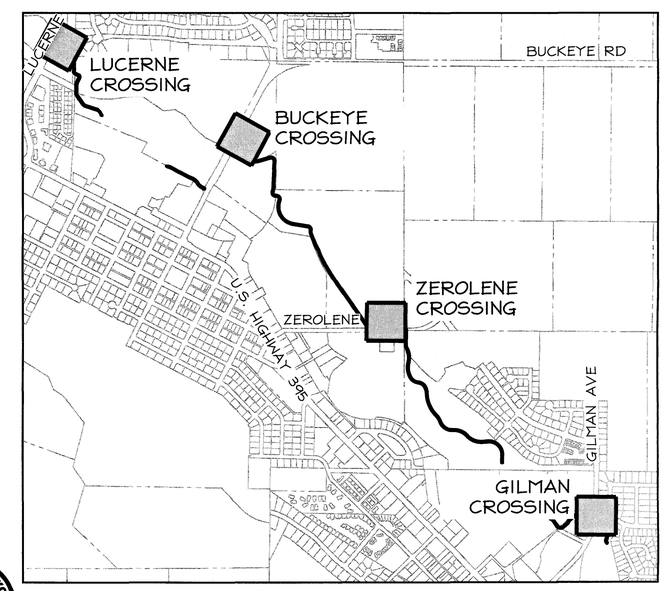

INDEX MAP

NTS

NO.	DATE	REVISION BLOCK	BY

SCALE: 1" = 40'

R|O|Anderson
WWW.ROANDERSON.COM
MINDEN
1625 Esmeralda Ave
P.O. Box 2229
Minden, NV 89423
p 775.782.2322
f 775.782.7084
RENO
4060 Double Diamond Pkwy, Unit 15
Reno, NV 89521
p 775.782.2322
f 775.782.7084

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TAP-0005(002)

STRIPING AND SIGNAGE PLAN

NEVADA PROFESSIONAL ENGINEER STATE OF NEVADA ROBERT O. ANDERSON Exp. 12-31-22 CIVIL No. 7761

2-18-21

DRAWN: KLM	JOB: 0110-107
ENGINEER: ROA	DRAWING: SEE PLOT STAMP
SCALE: 1"=40'	SHEET: C20
DATE: 2-12-2021	OF: 22 SHEETS

BID SET-2-12-2021

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