THE COUNTY OF PLACER OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

COUNTY OF PLACER

DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION PLANS FOR

DOLLAR CREEK SHARED-USE TRAIL
TAHOE CITY, CA

PLACER COUNTY APPROVAL:

PLANS ARE ACCEPTED FOR USE AS WORKING DOCUMENTS. UNDISCOVERED ERRORS AND OMISSIONS SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE AS DISCOVERED. THIS APPROVAL EXPIRES THREE (3) YEARS FROM THE APPROVAL DATE UNLESS AN EXTENSION IS APPROVED IN WRITING BY THE COUNTY DEPARTMENT(S) BELOW OR CONSTRUCTION HAS BEEN INITIATED. EXPIRATION WILL RESULT IN A REQUIREMENT TO RESUBMIT THE PLANS FOR PLAN CHECK, PAYMENT OF CURRENT FEES AND COMPLIANCE WITH CURRENT COUNTY STANDARDS.

COMMUNITY DEVELOPMENT RESOURCE AGENCY
ENGINEERING AND SURVEYING DIVISION

SIGNED:_____ TITLE:_____

PRINT NAME:_____ DATE:_____

COMMUNITY DEVELOPMENT/RESOURCE AGENCY
PLANNING DEPARTMENT

SIGNED:_____ TITLE:_____

PRINT NAME:_____ DATE:_____

DEPARTMENT OF HEALTH AND HUMAN SERVICES
ENVIRONMENTAL HEALTH DIVISION

SIGNED:_____ TITLE:_____

PRINT NAME:_____ DATE:_____

DEPARTMENT OF FACILITY SERVICES
PARKS AND GROUNDS DIVISION

SIGNED:_____ TITLE:_____

PRINT NAME:_____ DATE:_____

UTILITY INFORMATION:

WATER AND SEWER

TAHOE CITY PUBLIC
UTILITY DISTRICT
P.O. BOX 5249
TAHOE CITY, CA 96145
(530) 583-3796

WATER AND SEWER

NORTH TAHOE PUBLIC
UTILITY DISTRICT
P.O. BOX 139
TAHOE VISTA, CA 96148
(530) 546-4212

TELEPHONE

ATT
3675 T STREET
ROOM 170
SACRAMENTO, CA 95816

ELECTRIC

LIBERTY ENERGY
P.O. BOX 107
7001 NATIONAL AVENUE
TAHOE VISTA, CA 96148
(530) 546-1736

GAS

SOUTHWEST GAS COMPANY
400 EAGLE STATION
CARSON CITY, NV 89701
(775) 887-2864

CABLE TV

CHARTER COMMUNICATIONS
9335 PROTOTYPE DRIVE
RENO, NV 89521
(775)-350-1290

FIRE

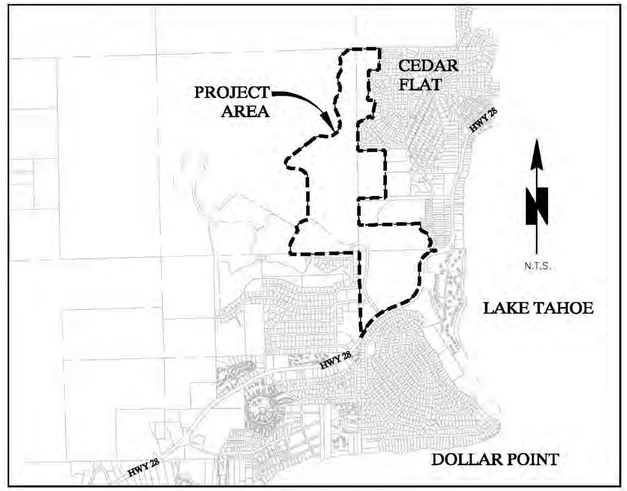
NORTH TAHOE FIRE
PROTECTION DISTRICT
P.O. BOX 5879
TAHOE CITY, CA 96145
(530) 583-6913

NOTES:

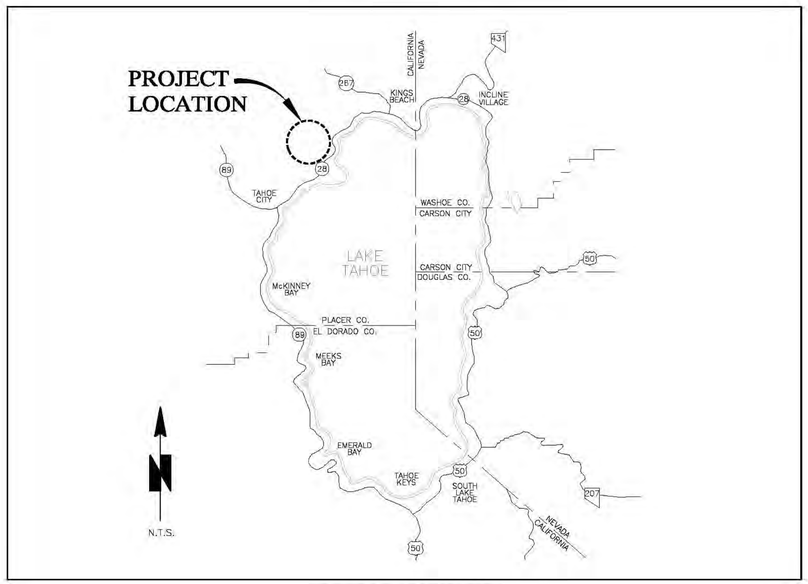
THE CONTRACTOR SHALL POSSESS A VALID CALIFORNIA CLASS A CONTRACTORS LICENSE, OR A COMBINATION OF THE FOLLOWING CLASSES: C-8 CONCRETE CONTRACTOR, C-12 EARTHWORK AND PAVING CONTRACTOR, C-13 FENCING CONTRACTOR, C-27 LANDSCAPING CONTRACTOR, C-32 PARKING AND HIGHWAY IMPROVEMENT CONTRACTOR, C-50 REINFORCING STEEL CONTRACTOR, D-42 SIGN INSTALLATION CONTRACTOR, D-59 HYDROSEED SPRAYING CONTRACTOR CLASSES REQUIRED BY THE CATEGORIES AND TYPES OF WORK INCLUDED IN THIS CONTRACT AT THE TIME OF THE BID AWARD. ALL LICENSES SHALL REMAIN IN EFFECT THROUGHOUT THE TERM OF THIS CONTRACT.

THE CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE JULY 2006 EDITION OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, AND STANDARD PLANS, AND APPLICABLE STANDARD DRAWINGS OF THE PLACER COUNTY GENERAL SPECIFICATIONS. IN CASE OF CONFLICT, REFER TO THE PROJECT SPECIAL PROVISIONS FOR ORDER OF PRECEDENCE.

THE COUNTY OF PLACER HAS ENDEAVORED TO SHOW LOCATIONS OF ANY AND ALL EXISTING SURFACE AND SUBSURFACE STRUCTURES. HOWEVER, ACTUAL FIELD CONDITIONS AND LOCATIONS CAN VARY CONSIDERABLY FROM PLAN LOCATIONS. THEREFORE, PLACER COUNTY CANNOT, AND DOES NOT, ASSUME RESPONSIBILITY OF THE EXISTENCE OR LOCATION OF ANY STRUCTURE SUCH AS, BUT NOT LIMITED TO, UTILITIES, PIPELINES AND SEWERS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL AGENCIES AND/OR OWNERS TO VERIFY THIS INFORMATION PRIOR TO AND DURING CONSTRUCTION OF IMPROVEMENTS SHOWN HEREON, AND TO CONTACT THE ENGINEER IN THE EVENT OF ANY SIGNIFICANT DISCREPANCY.



LOCATION MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

ENGINEER:

Nichols Consulting Engineers, Chtd.
Engineering & Environmental Services
P.O. Box 1760
Zephyr Cove, NV 89448
Ph: (775) 588-2505
Fx: (775) 588-2607

OWNER:

Placer County Public Works Department
7717 North Lake Boulevard
Kings Beach, CA 96143
Ph: (530) 581-6230

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DRAWING NO.	DESCRIPTION
G1	TITLE SHEET
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G3	TEMPORARY BMP NOTES
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811 Know what's below. Call before you dig.

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PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION
DATE: 06-01-2012

Nichols Consulting Engineers, Chtd.
P.O. Box 1760
Zephyr Cove, NV 89448
(775) 588-2505* Fax (775) 588-2607

REVISION #	DESCRIPTION AND SHEET NO.	APPROVED BY:	DATE:

DESIGNED BY: CS DATE: 06/01/2012
DRAWN BY: CKC DATE: 06/01/2012
CHECKED BY: JWN DATE: 03/28/2012

REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER C. SITTLER NO. C 53671 EXP. 06/30/13 CIVIL STATE OF CALIFORNIA

COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS
TAHOE ENGINEERING DIVISION
PO BOX 336, 7717 N. LAKE BLVD (SR 28)
KINGS BEACH, CA 96143
(530) 581-6238 (530) 581-6239 (FAX)

DOLLAR CREEK SHARED-USE TRAIL
TITLE SHEET

PROJECT NO. A639.01.14

CONTRACT NO. ---

SHEET NO. G1 OF 27

THE COUNTY OF PLACER OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

GENERAL NOTES

1. ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO THE REQUIREMENTS OF COUNTY OF PLACER GENERAL SPECIFICATIONS DATED AUGUST, 2005. ALL REFERENCES TO STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SHALL REFER TO THE 2010 EDITION OF THE STANDARD SPECIFICATIONS. ATTENTION IS ALSO DIRECTED TO THE STANDARD DRAWINGS CONTAINED IN THE PLACER COUNTY LAND DEVELOPMENT MANUAL AND THE CURRENT EDITION OF THE CALTRANS STANDARD PLANS, WHICH, WHEN APPLICABLE, ARE INCLUDED IN THESE DRAWINGS AND REFERENCED BY PLATE OR STANDARD PLAN NUMBER.

2. COUNTY, DEPARTMENT OR ENGINEER, AS USED ON THESE PLANS AND NOTES, REFERS TO THE DIRECTOR OF THE PLACER COUNTY DEPARTMENT OF PUBLIC WORKS OR AN AUTHORIZED AGENT APPOINTED BY THE DIRECTOR.

3. PUBLIC SAFETY AND TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH COUNTY REQUIREMENTS AND AS DIRECTED BY THE ENGINEER. SAFE VEHICULAR AND PEDESTRIAN ACCESS SHALL BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.

4. A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR SHALL DO ALL FIELD STAKING. THE OWNER SHALL PROVIDE ONE SET OF CONSTRUCTION CONTROL STAKES; ANY ADDITIONAL STAKING NECESSARY SHALL BE PROVIDED BY THE ENGINEER/SURVEYOR AT THE EXPENSE OF THE CONTRACTOR. ALL STAKING SHALL BE DONE PER SECTION 5-1.07 PLACER COUNTY GENERAL SPECIFICATIONS.

5. THE CONTRACTOR IS HEREBY NOTIFIED THAT PRIOR TO COMMENCING CONSTRUCTION, HE IS RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES FOR VERIFICATION AT THE CONSTRUCTION SITE OF THE LOCATIONS OF ALL UNDERGROUND FACILITIES WHERE SUCH FACILITIES MAY POSSIBLY CONFLICT WITH THE PLACEMENT OF THE IMPROVEMENTS SHOWN ON THESE PLANS. CALL "UNDERGROUND SERVICE ALERT" AT 800-642-2444 TWO (2) DAYS MINIMUM TO FOURTEEN (14) DAYS MAXIMUM BEFORE ANY EXCAVATION IS STARTED.

6. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS. MONUMENTS AND SURVEY MARKERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

7. ALL EXISTING A. C. SURFACES SHALL BE SAW CUT ONE-FOOT MINIMUM INSIDE THE EDGE OF PAVEMENT TO A NEAT, STRAIGHT LINE AND REMOVED. THE EXPOSED EDGE SHALL BE SEALED WITH EMULSION PRIOR TO PAVING. THE EXPOSED BASE MATERIAL SHALL BE GRADED, RECOMPACTED AND RESEALED PRIOR TO PAVING.

8. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DUST CONTROL PER SECTION 10, CALTRANS STANDARD SPECIFICATIONS.

9. EACH PARKING SPACE RESERVED FOR PERSONS WITH DISABILITIES SHALL BE IDENTIFIED BY A REFLECTORIZED SIGN, DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY, PERMANENTLY POSTED IMMEDIATELY ADJACENT TO AND VISIBLE FROM THE SPACE IN ACCORDANCE WITH TITLE 24 C.A.C. VAN ACCESSIBLE SPACES SHALL HAVE AN ADDITIONAL SIGN STATING "VAN-ACCESSIBLE" MOUNTED BELOW THE SYMBOL. A SIGN SHALL ALSO BE POSTED AT EACH PARKING LOT ENTRANCE OR IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH SPACE THAT CLEARLY AND CONSPICUOUSLY STATES: "UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES MAY BE TOWED AWAY AT OWNER'S EXPENSE." IN ADDITION, THE SURFACE OF EACH ACCESSIBLE PARKING SPACE SHALL HAVE A SURFACE IDENTIFICATION THAT CONFORMS TO ONE OF THE TWO SCHEMES OUTLINED IN SECTION 1129B.5 OF TITLE 24 C.A.C.

10. NO CONSTRUCTION SHALL BE DONE BETWEEN OCTOBER 15 AND MAY 1 WITHOUT A COUNTY APPROVED SEDIMENT AND EROSION CONTROL PLAN TO PREVENT SOIL EROSION. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE LATEST TRPA HANDBOOK OF BEST MANAGEMENT PRACTICES AND PLACER COUNTY GRADING ORDINANCE.

11. INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREVENTION OF SIGNIFICANT EROSION AND SILTATION ENTERING THE STORM DRAIN SYSTEM, NATURAL DRAINAGE COURSES AND/OR INTRUDING UPON ADJACENT ROADWAYS AND PROPERTIES. WINTERIZATION AND EROSION CONTROL SHOWN ON THESE PLANS IS INTENDED AS A GUIDE. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS DETERMINED IN THE FIELD AND APPROVED BY THE ENGINEER. THIS RESPONSIBILITY SHALL APPLY THROUGHOUT THE COURSE OF CONSTRUCTION AND UNTIL ALL DISTURBED AREAS HAVE BECOME STABILIZED AND SHALL NOT BE LIMITED TO WET WEATHER PERIODS.

12. AFTER STRIPPING THE DEBRIS, ANY EXISTING LOOSE FILL, UNSUITABLE SOIL, SILTY SAND DEPOSITS, OR DISTURBED NATURAL SOILS SHALL BE EXCAVATED AND PROPERLY DISPOSED OF TO THE SATISFACTION OF THE ENGINEER.

13. THE CONTRACTOR SHALL REMOVE ALL ROAD MARKINGS, PAVEMENT MARKERS, AND OTHER DELINEATION THAT ARE IN CONFLICT WITH THE DELINEATION SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL LAYOUT ALL PAVEMENT MARKINGS FOR APPROVAL BY THE ENGINEER. AFTER APPROVAL, THE CONTRACTOR SHALL APPLY ALL PAINTED MARKINGS AND THERMOPLASTIC PAVEMENT MARKINGS WITHIN COUNTY RIGHT-OF-WAY AS WELL AS ALL ON-SITE PAINTED OR THERMOPLASTIC MARKINGS.

14. PERMANENT TRAFFIC SIGNS SHALL CONFORM TO MUTCD 2003 AND MUTCD 2003 CALIFORNIA SUPPLEMENT TRAFFIC SIGN STANDARDS FOR "STANDARD" SIZE, CHARACTER DIMENSIONS AND LETTER STROKE WIDTH. ALL STOP SIGNS SHALL BE 30" MINIMUM SIZE OF HIGH INTENSITY GRADE SHEETING.

15. AGGREGATE MATERIALS FOR ASPHALT CONCRETE SHALL CONFORM TO THE REQUIREMENTS LISTED FOR TYPE A OR TYPE B BITUMINOUS AGGREGATES IN SECTION 39 OF THE "STANDARD SPECIFICATIONS" AND UTILIZE PG 64-28 GRADE OF ASPHALT CONCRETE. ALL ASPHALT CONCRETE PLACED, WHETHER NEW ROADWAY OR OVERLAY, SHALL BE MATCHED TO GRADE WITH AN AGGREGATE BASE SHOULDER. THIS SHOULDER BACKING SHALL BE A MINIMUM OF 1' WIDE OR MATCH THE PROJECT PLANS, WHICHEVER IS GREATER.

16. THE UPPER 6" OF AGGREGATE BASE SHALL BE CLASS 2, 3/4" MAXIMUM GRADING. WHERE THE BASE THICKNESS EXCEEDS 6", THE DEPTH BELOW 6" MAY BE CLASS 2, 1 ½" MAXIMUM GRADING. AGGREGATE BASE SHALL CONFORM TO SECTION 26 OF THE COUNTY GENERAL SPECIFICATIONS.

17. ALL WORK WITHIN COUNTY RIGHT-OF-WAY SHALL CONFORM TO ALL PROVISIONS OF ENCROACHMENT STATED IN THE PERMIT SPECIFICATIONS AND GENERAL PROVISIONS OF ENCROACHMENT.

GENERAL NOTES (CONT.)

18. THE CONTRACTOR MUST IMMEDIATELY REINSTALL ANY TRAFFIC SIGNS REMOVED IN THE COURSE OF CONSTRUCTION. ANY SIGNS LOST OR DAMAGED BY THE CONTRACTOR SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.

19. THE CONTRACTOR MUST PROVIDE TEMPORARY TRAFFIC STRIPING IF EXISTING DELINEATION IS DESTROYED DURING TRENCHING OR OTHER WORK. PAINTED MARKINGS OR STRIPING TAPE MAY BE USED. THE TEMPORARY STRIPING MUST BE APPROVED FOR MATERIAL AND LAYOUT BY THE ENGINEER BEFORE TRENCHING OR OTHER WORK IS STARTED. THE CONTRACTOR, AT THE EXPENSE OF THE DEVELOPER, SHALL SANDBLAST ALL TEMPORARY PAINTED MARKINGS THAT ARE TO BE REMOVED.

20. THE COUNTY MAY REQUIRE THE CONTRACTOR TO UNCOVER ANY IMPROVEMENTS THAT HAVE BEEN COMPLETED WITHOUT PROPER COUNTY INSPECTION AND/OR APPROVAL. IF THE INSTALLATION IS FOUND NOT TO MEET COUNTY STANDARDS OR PREVIOUSLY APPROVED ALTERNATIVES SHOWN ON THE PLANS, THE CONTRACTOR MAY BE REQUIRED TO REMOVE AND REPLACE SUCH IMPROVEMENTS AT HIS EXPENSE.

21. PRIOR TO ANY ACTIVITY OCCURRING WITHIN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL W20-1 SIGNS IN ACCORDANCE WITH PART 6 OF THE MUTCD 2003 AND THE MUTCD 2003 CALIFORNIA SUPPLEMENT. THE SIGNS SHALL BE PROFESSIONALLY MADE, METAL, REFLECTORIZED AND PLACED ON WOODEN POSTS FOR THE DURATION OF THE PROJECT. THE MINIMUM SIZE SHALL BE 36". THE SIGNS SHALL BE REPLACED OR REPAIRED IF STOLEN OR DAMAGED. THE PLACEMENT, TYPE AND LOCATION OF THE TRAFFIC CONTROL DEVICES SHALL BE REVIEWED AND APPROVED BY THE COUNTY INSPECTOR. THE INSPECTOR SHALL DIRECT THE INSTALLATION OR CHANGES TO SIGNS, STRIPING, CONES, BARRICADES ETC. DURING THE COURSE OF CONSTRUCTION FOR TRAFFIC SAFETY.

22. ONLY THE APPROXIMATE LOCATION OF THE EXISTING SANITARY SEWER HAS BEEN SHOWN. THE CONTRACTOR SHALL VERIFY EXACT LOCATION IN THE FIELD AND IMMEDIATELY NOTIFY THE PROJECT ENGINEER IF SAID LOCATION IS SIGNIFICANTLY DIFFERENT FROM THAT SHOWN ON THIS PLAN.

23. POTHOLING TO BE COMPLETED AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATIONS FOR INSTALLING PROPOSED IMPROVEMENTS FOR UTILITIES THAT APPEAR TO BE IN CONFLICT WITH THE PROJECT.

24. ADDITIONAL NOTES PERTAINING TO DUST CONTROL AND TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL ARE PROVIDED ON THE DETAIL SHEET FOR TEMPORARY BMPS.

25. TREE REMOVAL SHALL NOT EXTEND MORE THAN 3 FEET BEYOND THE TOP OF PROPOSED CUT SLOPES, OR BEYOND THE TOE OF PROPOSED FILL SLOPES.

26. TEMPORARY HAMMERHEAD TURNAROUNDS MUST BE LOCATED SO AS TO AVOID SPECIAL FEATURES (E.G. ROCK OUTCROPS, TREES WITH DIAMETER AT BREAST HEIGHT (DBH) OF 30-INCHES OR GREATER, ETC.). FINAL LOCATION FOR TEMPORARY HAMMERHEAD TURNAROUNDS SHALL BE DETERMINED IN THE FIELD, AND ARE SUBJECT TO REVIEW AND APPROVAL BY PLACER COUNTY'S DESIGNATED PROJECT REPRESENTATIVE PRIOR TO GRADING.

DEVELOPERS NOTES

1. GEOTECHNICAL INVESTIGATION REPORT FOR "DOLLAR CREEK SHARED-USE TRAIL" PREPARED BY (PENDING) AND DATED (PENDING).

2. ALL GRADING AND PAVING WORK SHALL CONFORM TO THE RECOMMENDATIONS CONTAINED IN THE PLACER COUNTY GRADING ORDINANCE AND THE PROJECT PLANS AND SPECIFICATIONS AS WELL AS THE RECOMMENDATIONS IN THE GEOTECHNICAL INVESTIGATION REPORT.

3. THE BENCH MARK VERTICAL DATUM, AND CONTROL POINTS FOR THE PROJECT ARE PRESENTED ON (PENDING).

4. THE CONTRACTOR IS RESPONSIBLE FOR MATCHING EXISTING STREETS, SURROUNDING LANDSCAPE AND OTHER IMPROVEMENTS WITH SMOOTH TRANSITIONS AND AVOIDING ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPES, LOW SPOTS OR HAZARDOUS CONDITIONS.

5. THE ENGINEER ASSUMES NO RESPONSIBILITY BEYOND THE ADEQUACY OF HIS DESIGN CONTAINED HEREIN.

6. THE FOLLOWING STANDARDS AND SPECIFICATIONS ARE REQUIREMENTS APPLICABLE TO THIS PROJECT AND SHALL BE MAINTAINED EXCEPT AS EXPLICITLY MODIFIED OR SUPPLEMENTED BY THESE PLANS. ALL REFERENCE STANDARDS AND SPECIFICATIONS ARE THE LATEST EDITIONS.

   A. CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS)
   B. PLACER COUNTY
   C. NORTH TAHOE PUBLIC UTILITY DISTRICT
   D. TAHOE CITY PUBLIC UTILITY DISTRICT
   E. NORTH TAHOE FIRE PROTECTION DISTRICT

   THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COORDINATING THE WORK WITH EACH OF THE ABOVE ENTITIES.

7. SHOULD IT APPEAR THAT THE WORK COMPLETED, OR ANY MATTER RELATIVE THERETO, IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT NICHOLS CONSULTING ENGINEERS FOR SUCH FURTHER EXPLANATION AS MAY BE NECESSARY. PHONE: (775) 588-2505

8. ALL CONSTRUCTION STAKING REQUESTS SHOULD BE DIRECTED TO (PENDING) A MINIMUM OF 48 HOURS PRIOR TO ACTUAL NEED.

9. ALL LOCATIONS OF EXISTING UTILITIES SHOWN HAVE BEEN ESTABLISHED BY FIELD OBSERVATION OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF THE UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THESE PLANS.

10. CONTRACTOR SHALL POST EMERGENCY TELEPHONE NUMBERS FOR PUBLIC WORKS, AMBULANCE, POLICE AND FIRE DEPARTMENTS.

11. CONTRACTOR SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE STATE CONSTRUCTION SAFETY ORDERS.

12. CONTRACTOR AGREES THAT HE SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

13. THE CONTRACTOR SHALL EXPOSE AND CHECK ELEVATIONS OF EXISTING UTILITIES AND CLEARANCES OF UTILITY CROSSINGS BEFORE CONSTRUCTING NEW PIPELINES. CONTRACTOR TO COMPLETE POTHOLING AT LEAST 2 DAYS PRIOR TO EXCAVATING FOR THE INSTALLATION OF PROPOSED IMPROVEMENTS FOR UTILITIES THAT APPEAR TO BE IN CONFLICT WITH THE PROJECT.

14. OBSTRUCTIONS INDICATED ARE FOR INFORMATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND DEPTH WITH THE APPROPRIATE AGENCIES. NEITHER THE OWNER NOR THE ENGINEER ASSUMES RESPONSIBILITY THAT THE OBSTRUCTIONS INDICATED BE THE OBSTRUCTIONS ENCOUNTERED.

15. ALL MOBILE CONSTRUCTION EQUIPMENT, INCLUDING ELECTRICAL GENERATORS AND COMPRESSORS, UTILIZED DURING CONSTRUCTION SHALL BE PROPERLY MAINTAINED AND TUNED-UP. AS PRACTICAL, LOW EMISSION EQUIPMENT SHALL BE USED ONSITE. LOW SULFUR FUEL FOR CONSTRUCTION EQUIPMENT SHALL BE USED.

16. TEMPORARY POWER IF REQUIRED SHALL UTILIZE EXISTING POWER SERVICES OR CLEAN FUEL GENERATORS RATHER THAN TEMPORARY POWER GENERATORS.

17. EXISTING TOPOGRAPHY BASED ON A TOPOGRAPHIC SURVEY BY (PENDING) IN (PENDING).

18. THE CONTRACTOR SHALL KEEP DETAILED RECORDS AND AS-BUILTS SHOWING ALL MODIFICATIONS MADE TO THESE PLANS. THESE RECORDS AND AS-BUILTS SHALL BE PROVIDED TO THE ENGINEER UPON PROJECT COMPLETION FOR USE IN PREPARING RECORD DRAWINGS.

19. THE CONTRACTOR SHALL SUPPLY THE OWNER WITH ALL WARRANTIES OR GUARANTEES PROVIDED BY ANY SUPPLIER, DISTRIBUTOR, OR MANUFACTURER OF MATERIALS FOR SUPPLIES USED IN THE CONSTRUCTION OF THE IMPROVEMENTS INDICATED IN THESE PLANS. THESE WARRANTIES OR GUARANTEES SHALL BE PROVIDED IN ADDITION TO ANY WARRANTIES OR GUARANTEES SEPARATELY REQUIRED BY THE OWNER FROM THE CONTRACTOR.

20. NO BURNING OF CONSTRUCTION DEBRIS OR OTHER ILLEGAL MATERIALS IS ALLOWED.

21. ADDITIONAL NOTES PERTAINING TO DUST CONTROL AND TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL ARE PROVIDED ON THE DETAIL SHEET FOR TEMPORARY BMPS. CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERENCE TO THE REQUIREMENTS SET FORTH IN THOSE NOTES.

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LEGEND

NAME	EXISTING	PROPOSED
DROP INLET		
MANHOLE		
FIBER OPTIC LINE		
GAS LINE		
OVERHEAD ELECTRIC		
GATE VALVE		
STANDARD FIRE HYDRANT		
WATER METER		
MAIL BOX		
VERIFIED SOFT COVERAGE (TRAILS)		
AC PAVEMENT		
BRIDGE DECK		
TEMPORARY ACCESS ROAD/STAGING AREA		
TRANSITION APRON		
TRAIL W/ CROSS DRAINS		
TEMPORARY HAMMERHEAD TURNAROUND		
STABILIZED CONSTRUCTION ENTRANCE		
LIMITS OF GRADING		
MAJOR CONTOUR	4380	20 TOP SLOPE
MINOR CONTOUR		TOE SLOPE
CENTER LINE		
PROPERTY LINE		
P.U.E. LINE		
CULVERT CROSSING		
ELEVATION	23.10 X EX. 23.10 EX. 23.10 X EX.	23.10 23.10 23.10
SILT FENCE		
CREEK		

NOTE:
PROPOSED IMPROVEMENTS ARE DRAWN TO PROVIDE SCHEMATIC REPRESENTATION ONLY AND ARE NOT TO SCALE.

ABBREVIATIONS

NOT ALL ABBREVIATIONS LISTED ARE USED IN THESE PLANS

AB	AGGREGATE BASE	M.D.D.	MAXIMUM DRY DENSITY
AC	ASPHALT CONCRETE OR ACRE	MJ	MECHANICAL JOINT
@	AT	MI.	MILE
APN	ASSESSORS PARCEL NUMBER	MIN.	MINIMUM
APPROX.	APPROXIMATE	MISC.	MISCELLANEOUS
ASS'Y	ASSEMBLY	MVC	MIDDLE OF VERTICAL CURVE
AVG.	AVERAGE	N	NORTH
AWWA	AMERICAN WATER WORKS ASSOCIATION	NEC	NATIONAL ELECTRICAL CODES
BW	BOTTOM OF WALL	N.I.C.	NOT IN CONTRACT
BMP	BEST MANAGEMENT PRACTICES	NTPUD	NORTH TAHOE PUBLIC UTILITY DISTRICT
BVC	BEGIN VERTICAL CURVE	N.T.S.	NOT TO SCALE
C&G	CURB AND GUTTER	# OR NO.	NUMBER
C.B.	CATCH BASIN	O.C.	ON CENTER
CL	CENTERLINE	O.G.	ORIGINAL GRADE
CLR.	CLEAR	OWS	OIL/WATER SEPARATOR
CO.	CLEAN OUT	±	PLUS OR MINUS
CONST.	CONSTRUCT	PT.	POINT
CF	CUBIC FEET	PCC	PORTLAND CEMENT CONCRETE
CMP	CORRUGATED METAL PIPE	PVC	POLYVINYL CHLORIDE
CTC	CALIFORNIA TAHOE CONSERVANCY	PVMT	PAVEMENT
CY	CUBIC YARD	POS	POSITIVE
° OR DEG	DEGREE(S)	P.S.I.	POUNDS PER SQUARE INCH
DI	DUCTILE IRON	PL	PROPERTY LINE
ø OR DIA.	DIAMETER	P.U.E.	PUBLIC UTILITY EASEMENT
DWG	DRAWING	PVI	POINT OF VERTICAL INTERSECTION
DW, DWY	DRIVEWAY	R	RADIUS
EA.	EACH	RCP	REINFORCED CONCRETE PIPE
EASE.	EASEMENT	REVEG	REVEGETATION
E	EAST	RT,R	RIGHT, RADIUS
ELEC	ELECTRIC	R/W, ROW	RIGHT-OF-WAY
EP	EDGE OF PAVEMENT	SPPCO	SIERRA PACIFIC POWER COMPANY
ELEV.	ELEVATION	SEZ	STREAM ENVIRONMENT ZONE
EVC	END OF VERTICAL CURVE	SS	SANITARY SEWER, STAINLESS STEEL
EX., EXIST.	EXISTING	SCH	SCHEDULE
F.G.	FINISH GRADE	SSCO.	SANITARY SEWER CLEAN OUT
FH	FIRE HYDRANT	SSMH	SANITARY SEWER MANHOLE
FCA	FLANGE COUPLER ADAPTER	S	SLOPE, SOUTH
FES	FLARED END SECTION	SF OR SQ.FT	SQUARE FOOT/FEET
FL	FLOWLINE	SHT	SHEET
FLG	FLANGED	SY	SQUARE YARD
FT.	FOOT, FEET	STD.	STANDARD
FV	FLUSH VALVE	SDR	STANDARD DIMENSION RATIO
G	GAS	STA.	STATION
GV	GATE VALVE	SD	STORM DRAIN
GB	GRADE BREAK	SDMH	STORM DRAIN MANHOLE
HP	HIGH POINT	TBC	TOP BACK OF CURB
HOR., HORIZ.	HORIZONTAL	TC	TOP OF CURB
IN.	INCH	TCPUD	TAHOE CITY PUBLIC UTILITY DISTRICT
INT., INTX.	INTERSECTION	TW	TOP OF WALL
IE	INVERT ELEVATION	TYP.	TYPICAL
IRR.	IRRIGATION	UGE	UNDERGROUND ELECTRIC LINES
LCD	LAND CAPABILITY DISTRICT	UGT	UNDERGROUND TELEPHONE LINES
LT,L	LEFT	VC	VERTICAL CURVE
LEN.	LENGTH	VG	VALLEY GUTTER
LF	LINEAR FEET	W	WATER
LP	LOW POINT	WL	WATERLINE
LS	LUMP SUM	W	WEST
MFGR	MANUFACTURER	W/	WITH
MH	MANHOLE	WM	WATER METER
MAX.	MAXIMUM		

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DESIGNED BY: CS DATE: 06/01/2012
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REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER C. STETLER
NO. C 53671
EXP. 06/30/13
CIVIL
STATE OF CALIFORNIA

COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS
TAHOE ENGINEERING DIVISION

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KINGS BEACH, CA 96143
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DOLLAR CREEK SHARED-USE TRAIL

NOTES, LEGEND & ABBREVIATIONS

PROJECT NO. A639.01.14

CONTRACT NO. ---

THE COUNTY OF PLACER OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPORARY BMP NOTES

1. THE CONTRACTOR SHALL IMPLEMENT CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (BMPs) IN ACCORDANCE WITH THE TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL PLAN NOTES AND DETAILS INCLUDED IN THIS PLAN SET.

2. GRADING, EXCAVATION, FILLING AND CLEARING OF VEGETATION OR OTHER DISTURBANCE OF SOIL SHALL NOT OCCUR BETWEEN OCTOBER 15 AND MAY 1.

3. ALL CONSTRUCTION SITES SHALL BE WINTERIZED BY OCTOBER 15 TO REDUCE THE WATER QUALITY IMPACTS ASSOCIATED WITH WINTER WEATHER PER TRPA CODE CHAPTER 33.3.1.

4. PER THE TAHOE CONSTRUCTION GENERAL PERMIT (R6T-2011-0019), BMPs SHALL BE VISUALLY INSPECTED DAILY DURING ACTIVE CONSTRUCTION.

5. THE CONTRACTOR SHALL MAINTAIN ALL TEMPORARY BMPS AT ALL TIMES.

6. DUST CONTROL
   a. DUST CONTROL MEASURES SHALL BE REQUIRED FOR ANY GRADING ACTIVITY CREATING SUBSTANTIAL QUANTITIES OF DUST. DUST CONTROL MEASURES SHALL BE APPROVED BY TRPA.
   b. AT A MINIMUM THE CONTRACTOR SHALL PROVIDE A WATER TRUCK TO WATER AREAS AS NECESSARY TO CONTROL DUST.
   c. STOCKPILES AND LOOSE SOIL MOUNDS SHALL BE PROTECTED FROM WIND OR WATER EROSION BY BEING APPROPRIATELY PROTECTED OR COVERED WHEN CONSTRUCTION IS NOT IN ACTIVE PROGRESS OR WHEN REQUIRED BY TRPA.

7. VEGETATION PROTECTION
   a. ALL TREES AND NATURAL VEGETATION SHALL NOT BE DISTURBED, INJURED OR REMOVED EXCEPT AS SPECIFICALLY CALLED OUT FOR IN THIS PLAN SET AND TRPA CODE CHAPTER 33.6.1.
   b. TREES SHALL NOT BE USED FOR THE PURPOSE OF SIGN POSTS, TELEPHONE WIRES OR TEMPORARY POWER, BRACING FOR FORMS OR OTHER SIMILAR TYPES OF USES PER TRPA CODE CHAPTER 33.6.7.
   c. VEGETATION PROTECTION FENCING SHALL BE CONSTRUCTED WITH METAL POSTS, INDUSTRY STANDARD ORANGE MESH FENCING, AND AT LEAST 4 FEET TALL, UNLESS AN ALTERNATIVE METHOD IS APPROVED BY THE ENGINEER OR TRPA.

8. EROSION CONTROL
   a. MINIMIZE DISTURBED AREA AND PROTECT NATURAL FEATURES AND SOIL.
   b. PHASE CONSTRUCTION ACTIVITY WHEN FEASIBLE.
   c. CONTROL STORMWATER FLOWING ONTO AND THROUGH THE PROJECT SITE.
   d. DISTURBED AREAS SHOULD BE STABILIZED AS SOON AS PRACTICABLE AFTER CONSTRUCTION ACTIVITIES AT THAT LOCATION HAVE CEASED.
   e. IF ROLLED EROSION CONTROL PRODUCTS ARE USED FOR SOIL STABILIZATION, INSTALLATION AND STAKING SHALL BE DONE ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
   f. NO VEHICLE OR HEAVY EQUIPMENT SHALL BE ALLOWED IN A STEAM ENVIRONMENT ZONE OR WET AREA EXCEPT AS AUTHORIZED BY TRPA.
   g. ONLY EQUIPMENT OF A SIZE AND TYPE THAT WILL DO THE LEAST AMOUNT OF DAMAGE, UNDER PREVAILING SITE CONDITIONS, AND CONSIDERING THE NATURE OF THE WORK TO BE PERFORMED, WILL BE USED.

9. SEDIMENT CONTROL
   a. STORM DRAIN INLETS SHOULD BE PROTECTED AT ALL TIMES UTILIZING APPROPRIATE BMPS.
   b. SILT FENCE BMP OR SEDIMENT ROLLS SHOULD BE USED AS PERIMETER CONTROLS FOR THE PROJECT SITE AS DIRECTED BY THE ENGINEER AND TRPA IN THE FIELD.
   c. EXCAVATED MATERIAL SHALL BE STORED UPGRADE FROM THE EXCAVATED AREA WHENEVER POSSIBLE. NO MATERIAL SHALL BE STORED IN ANY STREAM ENVIRONMENT ZONE OR WET AREA.
   d. CONTRACTOR SHALL PROVIDE CRUSHED ROCK OR RUMBLE BOARDS IN AREAS OF CONSTRUCTION SITE ACCESS AND EXITS.
   e. SOIL AND CONSTRUCTION MATERIAL SHALL NOT BE TRACKED OFF THE CONSTRUCTION SITE. GRADING OPERATIONS SHALL CEASE IN THE EVENT THAT A DANGER OF VIOLATING THIS CONDITION EXISTS.

10. POLLUTION CONTROL
    a. NO WASHING OF VEHICLES OR HEAVY EQUIPMENT, INCLUDING CEMENT MIXERS, SHALL BE PERMITTED ANYWHERE ON THE SUBJECT PROPERTY UNLESS AUTHORIZED BY TRPA IN WRITING.
    b. DISPOSAL OF ANY EXCAVATED OR WASTE MATERIAL (LIQUID OR SOLID) SHALL BE TO A SITE OUTSIDE THE TAHOE BASIN OR A LOCATION APPROVED BY TRPA IN WRITING.
    c. STAGING AREAS SHOULD BE CLEARLY DELINEATED AND APPROVED BY TRPA PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES.
    d. THE CONTRACTOR SHALL DEVELOP AND HAVE ON SITE AT ALL TIMES A SPILL PREVENTION AND RESPONSE PLAN.

11. TEMPORARY BMPs SHALL BE INSTALLED AND MAINTAINED PRIOR TO EXCAVATION AND DURING ALL PHASES OF THE PROPOSED PROJECT.

12. PROJECT CONSTRUCTION SHALL BE PHASED TO MINIMIZE THE AMOUNT OF DISTURBED SOILS EXISTING AT ONE TIME. ADDITIONALLY ALL NEW AND EXISTING CONVEYANCE AND TREATMENT FACILITIES SHALL BE FITTED WITH TEMPORARY BMPs TO PREVENT THE TRANSPORT OF SEDIMENT DURING STORM EVENTS DURING CONSTRUCTION.

13. TEMPORARY EROSION CONTROL DEVICES SHALL BE PLACED EVERY 500 FEET MINIMUM IN EXCAVATED TRENCHES AND DITCHES. WHERE PRACTICAL, TEMPORARY EROSION CONTROL DEVICES SHALL BE PLACED EVERY 100 FEET. TEMPORARY EROSION CONTROL DEVICES SHALL BE MAINTAINED UNTIL SITE IS STABILIZED.

14. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE REVEGETATED IN ACCORDANCE WITH THE TRPA HANDBOOK OF BEST MANAGEMENT PRACTICES AND LIVING WITH FIRE, LAKE TAHOE BASIN, SECOND EDITION.

15. ALL PROJECT RELATED VEHICLES SHALL PARK ON EXISTING PAVED SURFACES, EXISTING COMPACTED ROAD SHOULDERS, OR APPROVED CONSTRUCTION STAGING AREAS. CONTRACTOR SHALL MINIMIZE CONSTRUCTION RELATED VEHICLE AND EQUIPMENT EMISSIONS DURING CONSTRUCTION BY SHUTTING OFF EQUIPMENT AND VEHICLES NOT IN USE. IDLING OF DIESEL ENGINES SHALL BE KEPT TO A MINIMUM SO FAR AS PRACTICAL.

16. PRIOR TO STARTING WORK, THE CONTRACTOR SHALL INSTALL TEMPORARY BMP MEASURES AT LOCATIONS WHERE NEEDED TO CONTROL EROSION AND WATER POLLUTION DURING THE CONSTRUCTION OF THE PROJECT. THE BMP MEASURES SHALL REMAIN IN PLACE, AND SHALL BE MAINTAINED IN A FUNCTIONAL CONDITION, FOR THE DURATION OF THE CONSTRUCTION. SILT FENCE IS REQUIRED AT ALL CROSS DRAIN OUTLETS. SILT FENCE WILL BE REQUIRED AT OTHER LOCATIONS AS SHOWN ON THE DRAWINGS OR STAKED IN THE FIELD BY THE ENGINEER. ALL EROSION CONTROL MEASURES SHALL MEET OR EXCEED TRPA REQUIREMENTS.

17. ALL EXISTING VEGETATION SHALL BE PRESERVED UNLESS SPECIFICALLY IDENTIFIED BY THE ENGINEER FOR REMOVAL. BMP'S TO PROTECT VEGETATION SHALL BE INSTALLED BY THE CONTRACTOR AS SHOWN ON THE PLANS AND AS REQUIRED BY TRPA STAFF IN THE FIELD.

18. FOR TEMPORARY PROJECT BMPs REFER TO SHEETS (PENDING) AND D1.

19. INCORPORATE ADEQUATE DRAINAGE PROCEDURES DURING THE CONSTRUCTION PROCESS TO ELIMINATE EXCESSIVE PONDING AND/OR EROSION.

DUST CONTROL PLAN

1. CONTRACTOR IS RESPONSIBLE FOR PREVENTING CONTROLLABLE FUGITIVE DUST FROM THE PROJECT'S DISTURBED AREAS FROM BECOMING AIRBORNE ON A 7-DAY/WEEK, 24-HOUR /DAY BASIS FROM COMMENCEMENT OF PROJECT TO FINAL COMPLETION.

2. WATER SHALL BE APPLIED TO THE AREAS DISTURBED BY CONSTRUCTION ACTIVITIES BY WATER TRUCK OR WATER HOSE TO CONTROL FUGITIVE DUST SO LONG AS NO DISCHARGE OF WASTE MATERIAL TO SURFACE DRAINAGE OCCURS.

3. REGULAR VACUUMING OR SWEEPING OF ROADS WHERE PROJECT RELATED VEHICLES AND EQUIPMENT ENTER AND EXIT THE PROJECT AREA SHALL BE PERFORMED AT LEAST DAILY AND MORE OFTEN IF NECESSARY TO REMOVE DIRT OR WASTE RESULTING FROM THE CONSTRUCTION.

4. HAND SWEEPING AND DISPOSAL OF ALL WASTE RESULTING FROM SAW-CUTTING OF PAVEMENT VIA HAULING OUTSIDE OF THE TAHOE BASIN MAY BE ALLOWED SO LONG AS NO DISCHARGE OF WASTE MATERIAL TO SURFACE DRAINAGE OCCURS. IF IT APPEARS HAND SWEEPING DOES NOT REMOVE ALL WASTE RESULTING FROM SAW-CUTTING, VACUUMING WILL BE REQUIRED.

5. STOCKPILED EARTHEN MATERIALS SHALL BE STABILIZED BY MAINTAINING A VISIBLE CRUST BY APPLYING ADEQUATE MOISTURE; OR COVERING THE MATERIALS WITH A TARP TO PREVENT VISIBLE FUGITIVE DUST EMISSIONS.

6. ALL TRUCKS IMPORTING OR EXPORTING DIRT, ROCK OR OTHER FILL MATERIALS SHALL PREVENT SPILLAGE OR LOSS OF BULK MATERIAL FROM HOLES OR OTHER OPENINGS IN THE CARGO COMPARTMENT FLOOR, SIDES, AND/OR TAILGATE. ALL HAUL TRUCKS MUST BE COVERED WITH A TARP OR OTHER SUITABLE CLOSURE; OR BULK MATERIALS MUST CONTAIN ENOUGH MOISTURE AND/OR DUST SUPPRESSANT TO PREVENT FUGITIVE DUST EMISSIONS DURING TRANSPORT; OR LOAD ALL TRUCKS SUCH THAT THE FREEBOARD IS NOT LESS THAN SIX (6) INCHES. ALL MATERIALS NOT TO BE INCORPORATED INTO THE WORK SHALL BE HAULED OUTSIDE THE TAHOE BASIN.

7. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL DUST CONTROL MEASURES, SUCH AS EXTRA WATER TRUCKS, REVEGETATION, ENVIRONMENTALLY SAFE DUST PALLIATIVES (AS APPROVED BY TRPA), AND/OR CESSATION OF OPERATIONS SHOULD THE AFOREMENTIONED MEASURES FAIL TO CONTROL FUGITIVE DUST EMISSIONS FROM THE PROJECT.

8. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE MULCHED WITH A 2 TO 3 INCH LAYER OF PINE NEEDLES OR WOOD CHIPS. THIS MULCH SHALL BE MAINTAINED FROM COMPLETION OF THE INITIAL GRADING THROUGH COMPLETION OF THE PROJECT.

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DOLLAR CREEK SHARED-USE TRAIL
TEMPORARY BMP NOTES

PROJECT NO. A639.01.14
CONTRACT NO. ---
SHEET NO. G3 OF 27

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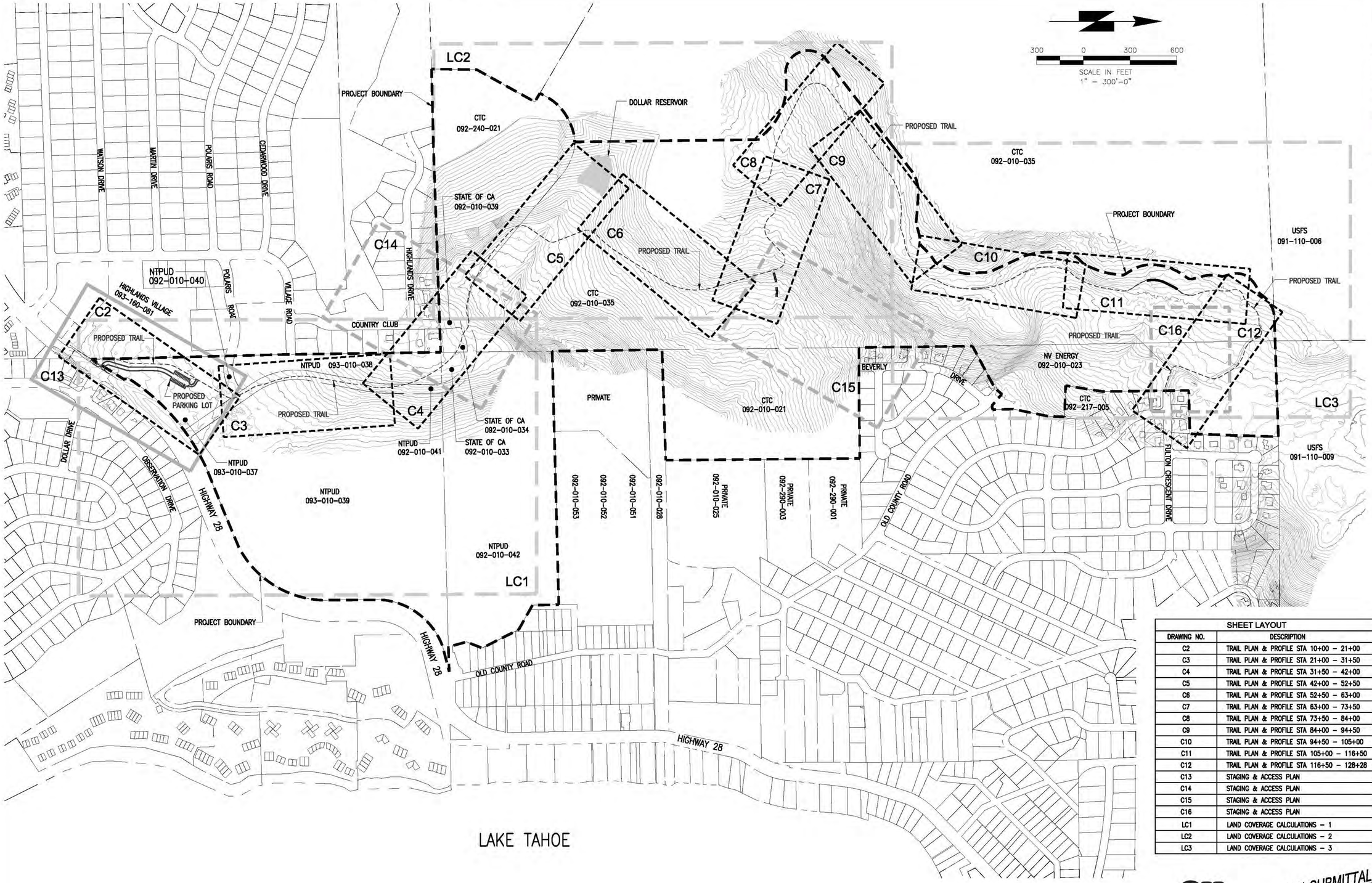

SHEET LAYOUT	
DRAWING NO.	DESCRIPTION
C2	TRAIL PLAN & PROFILE STA 10+00 – 21+00
C3	TRAIL PLAN & PROFILE STA 21+00 – 31+50
C4	TRAIL PLAN & PROFILE STA 31+50 – 42+00
C5	TRAIL PLAN & PROFILE STA 42+00 – 52+50
C6	TRAIL PLAN & PROFILE STA 52+50 – 63+00
C7	TRAIL PLAN & PROFILE STA 63+00 – 73+50
C8	TRAIL PLAN & PROFILE STA 73+50 – 84+00
C9	TRAIL PLAN & PROFILE STA 84+00 – 94+50
C10	TRAIL PLAN & PROFILE STA 94+50 – 105+00
C11	TRAIL PLAN & PROFILE STA 105+00 – 116+50
C12	TRAIL PLAN & PROFILE STA 116+50 – 128+28
C13	STAGING & ACCESS PLAN
C14	STAGING & ACCESS PLAN
C15	STAGING & ACCESS PLAN
C16	STAGING & ACCESS PLAN
LC1	LAND COVERAGE CALCULATIONS – 1
LC2	LAND COVERAGE CALCULATIONS – 2
LC3	LAND COVERAGE CALCULATIONS – 3

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DOLLAR CREEK SHARED-USE TRAIL

PLAN SHEET LAYOUT & INDEX

PROJECT NO. A639.01.14

CONTRACT NO. ---

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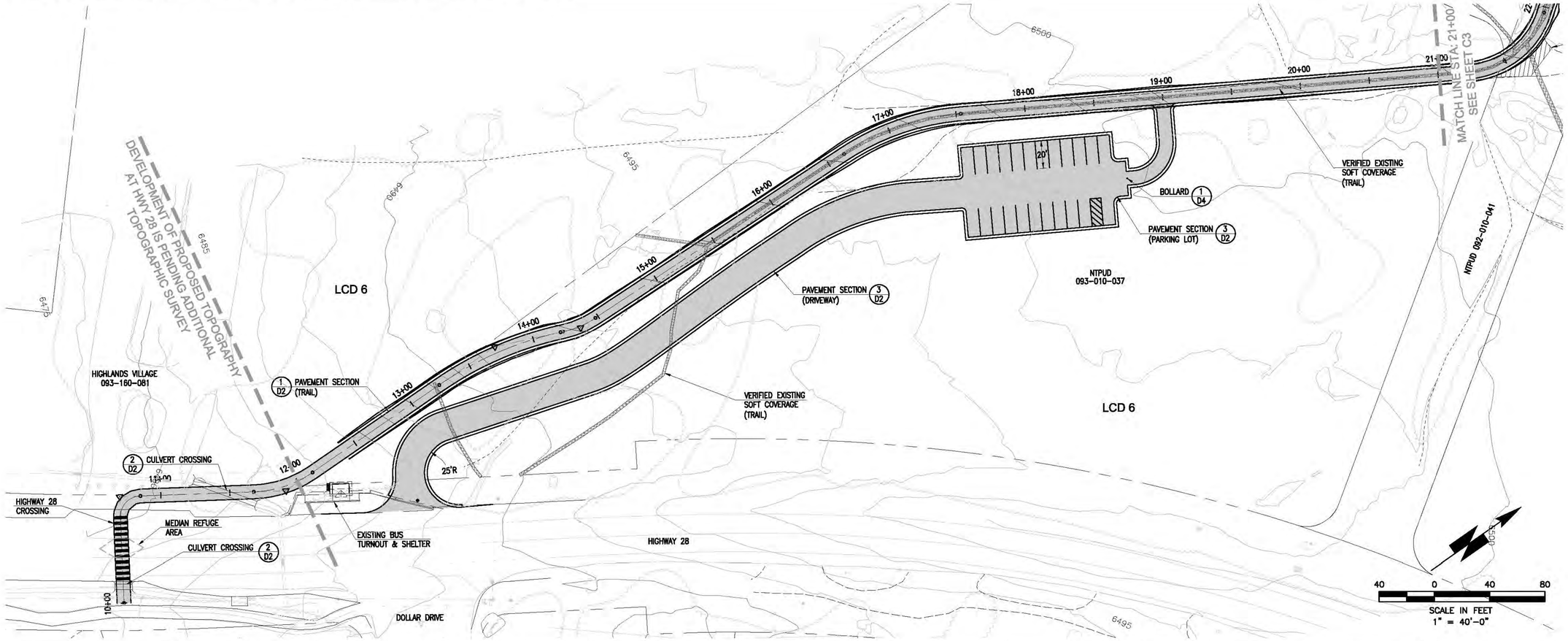

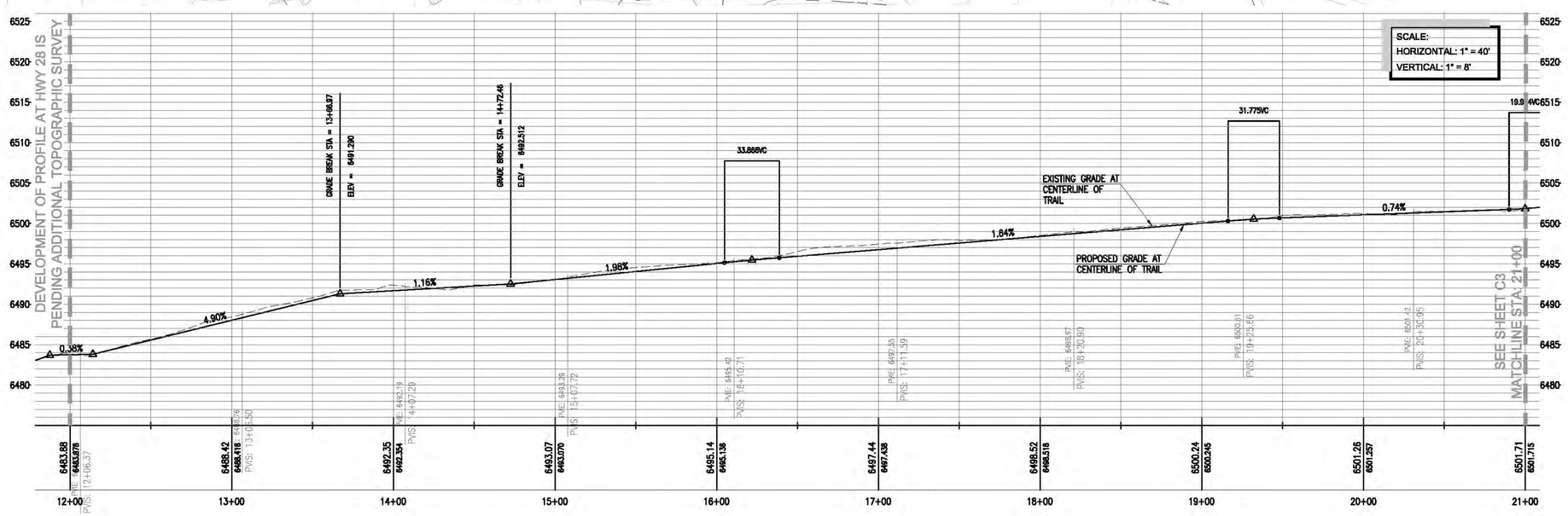

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DOLLAR CREEK SHARED-USE TRAIL

TRAIL PLAN & PROFILE STA 10+00 – 21+00

PROJECT NO. A639.01.14

CONTRACT NO. ---

SHEET NO. C2 OF 27

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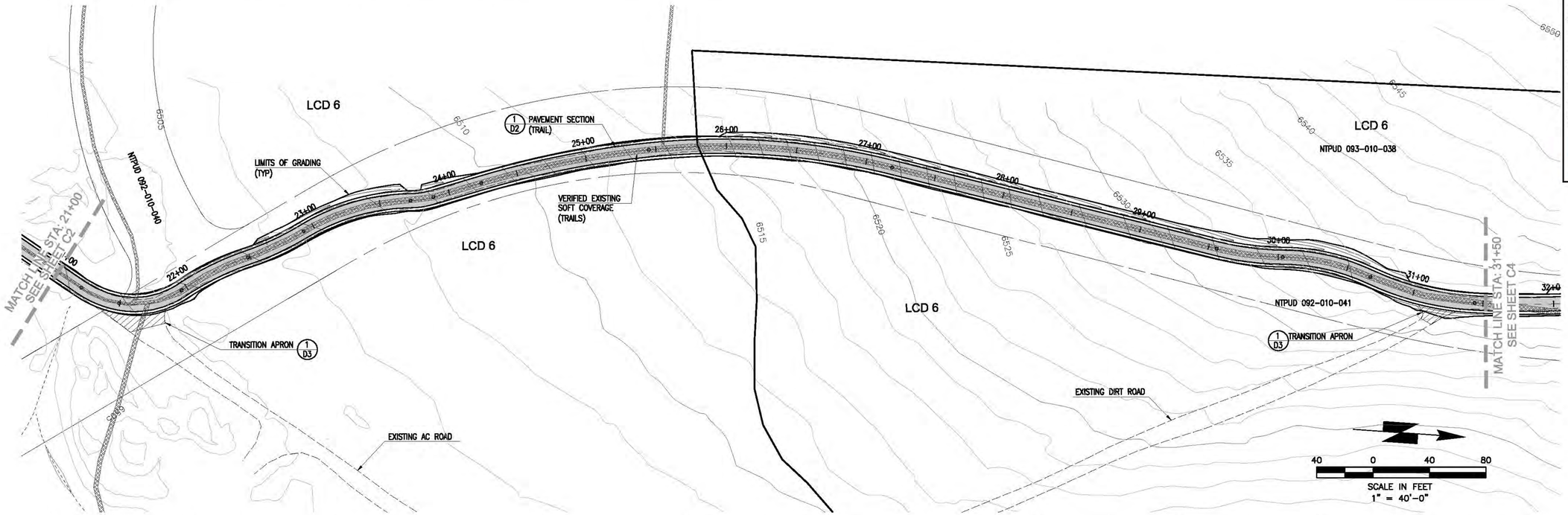

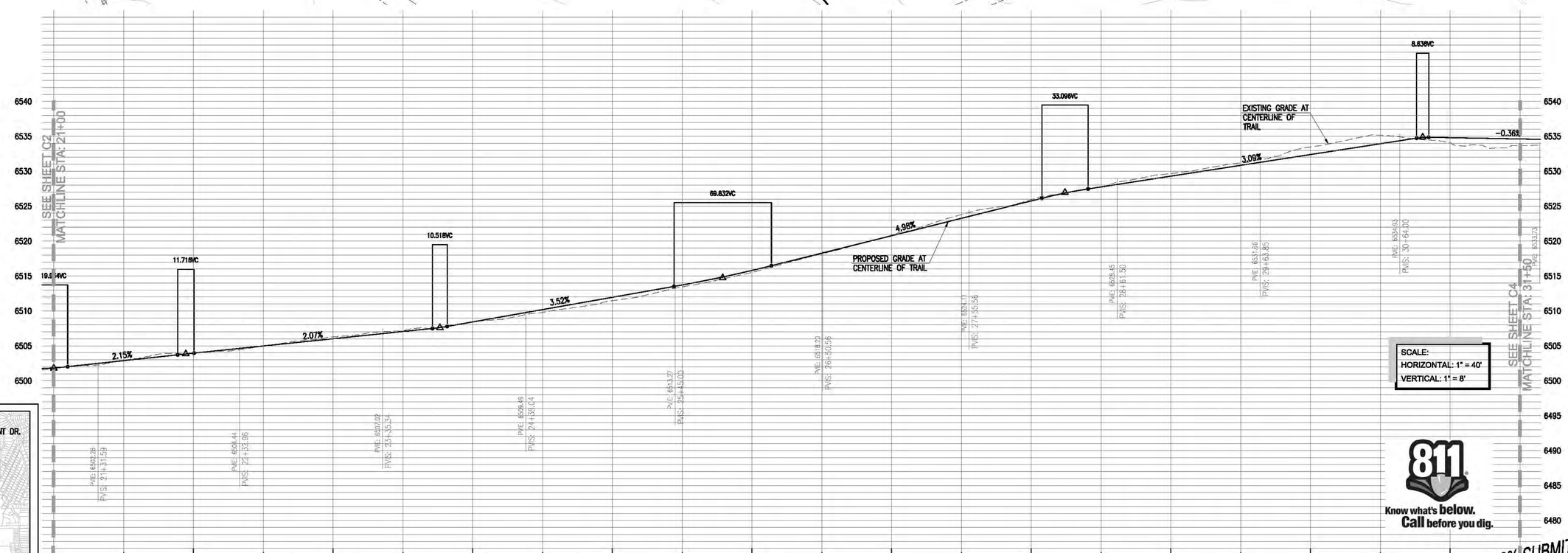

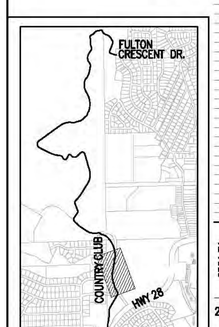

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DOLLAR CREEK SHARED-USE TRAIL

TRAIL PLAN & PROFILE STA 21+00 – 31+50

PROJECT NO. A639.01.14

CONTRACT NO. ---

SHEET NO. C3 OF 27

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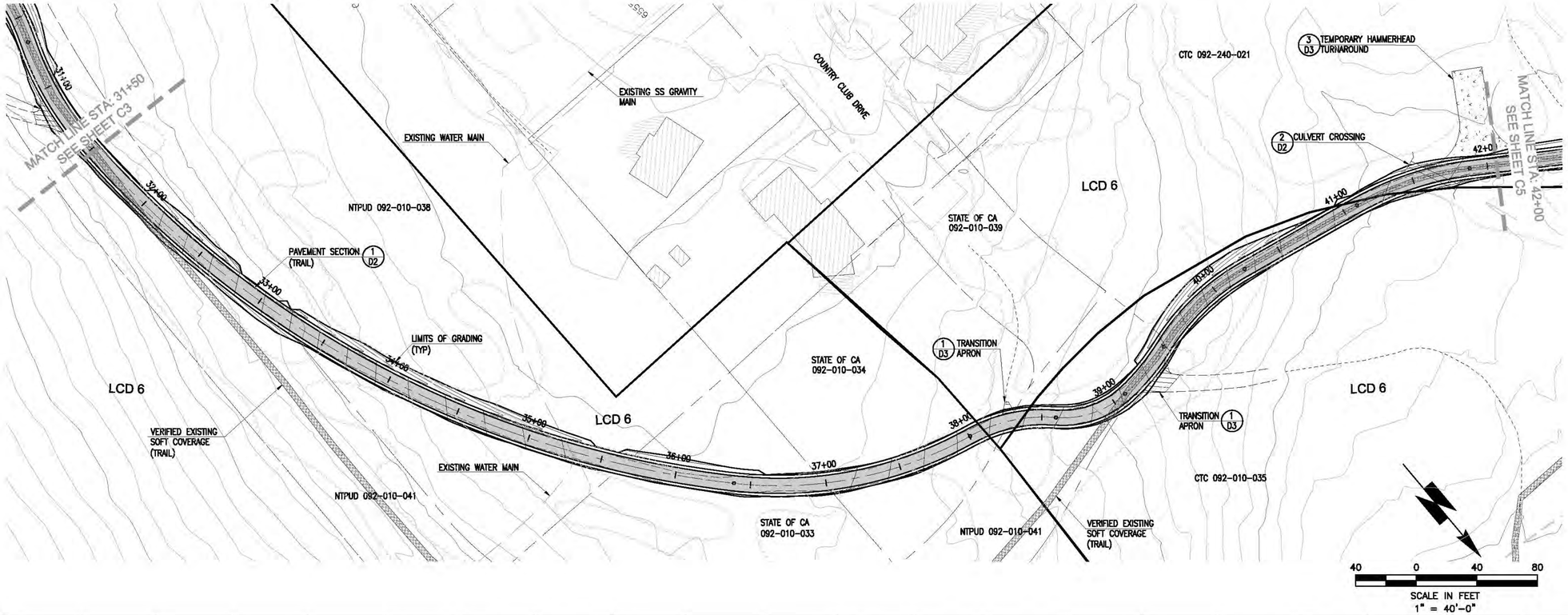

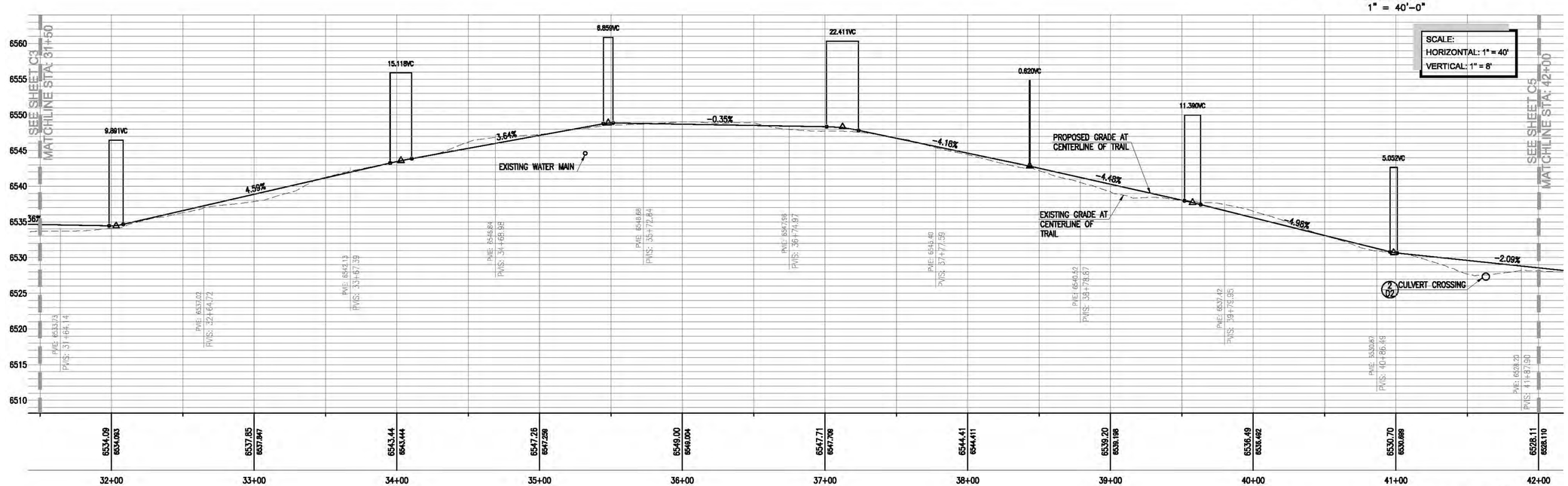

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DOLLAR CREEK SHARED-USE TRAIL

TRAIL PLAN & PROFILE STA 31+50 – 42+00

PROJECT NO.
A639.01.14

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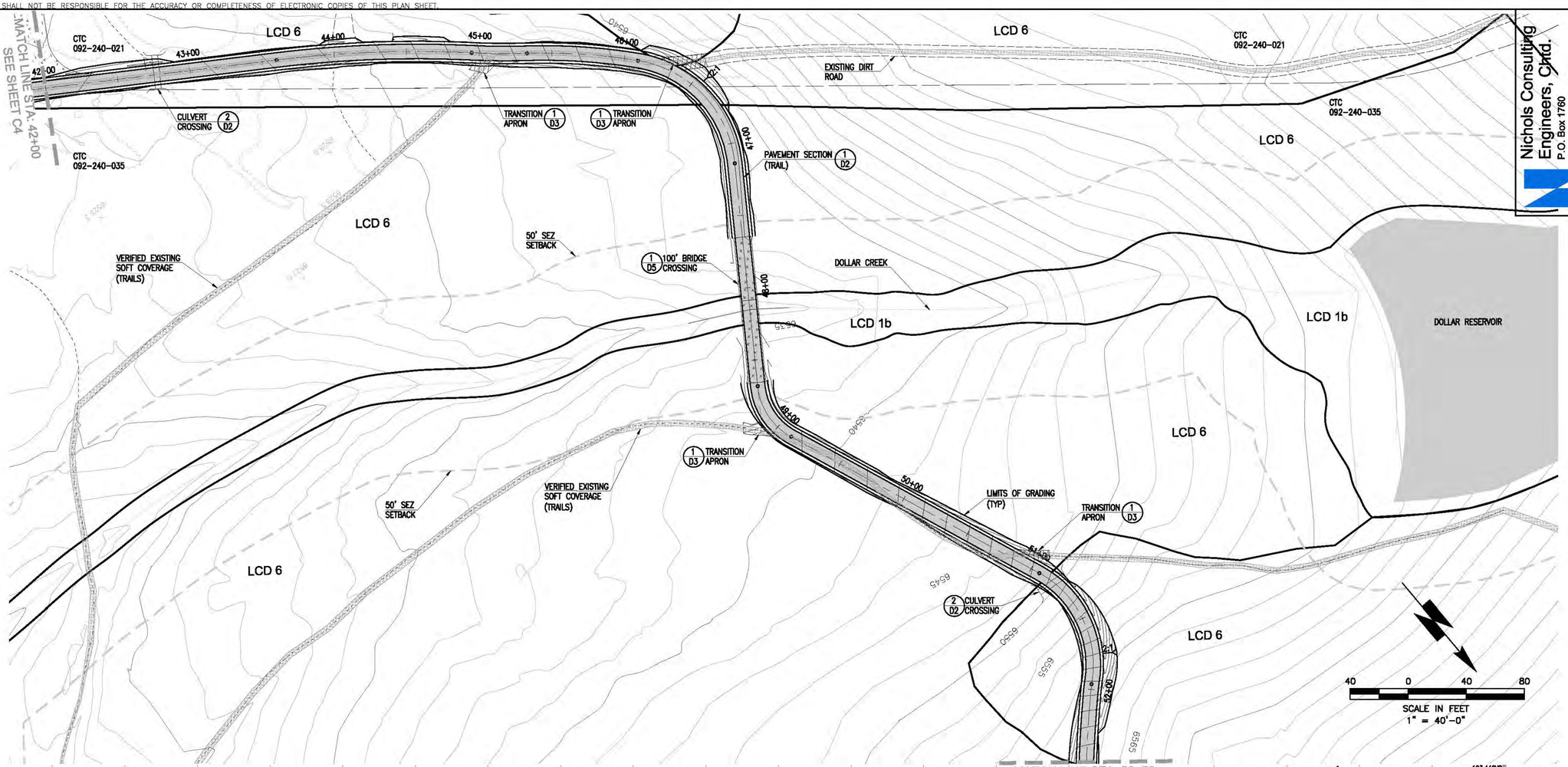

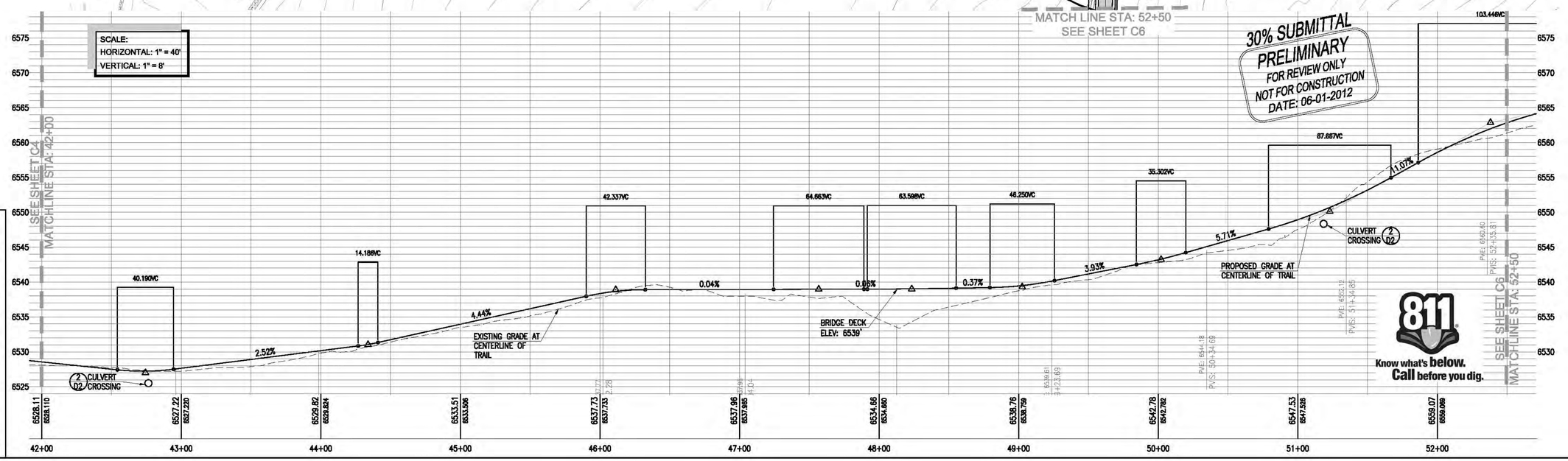

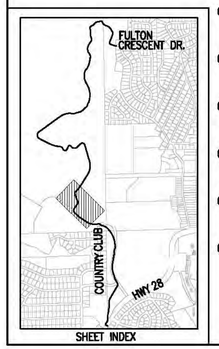

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DOLLAR CREEK SHARED-USE TRAIL

TRAIL PLAN & PROFILE STA 42+00 – 52+50

PROJECT NO.
A639.01.14

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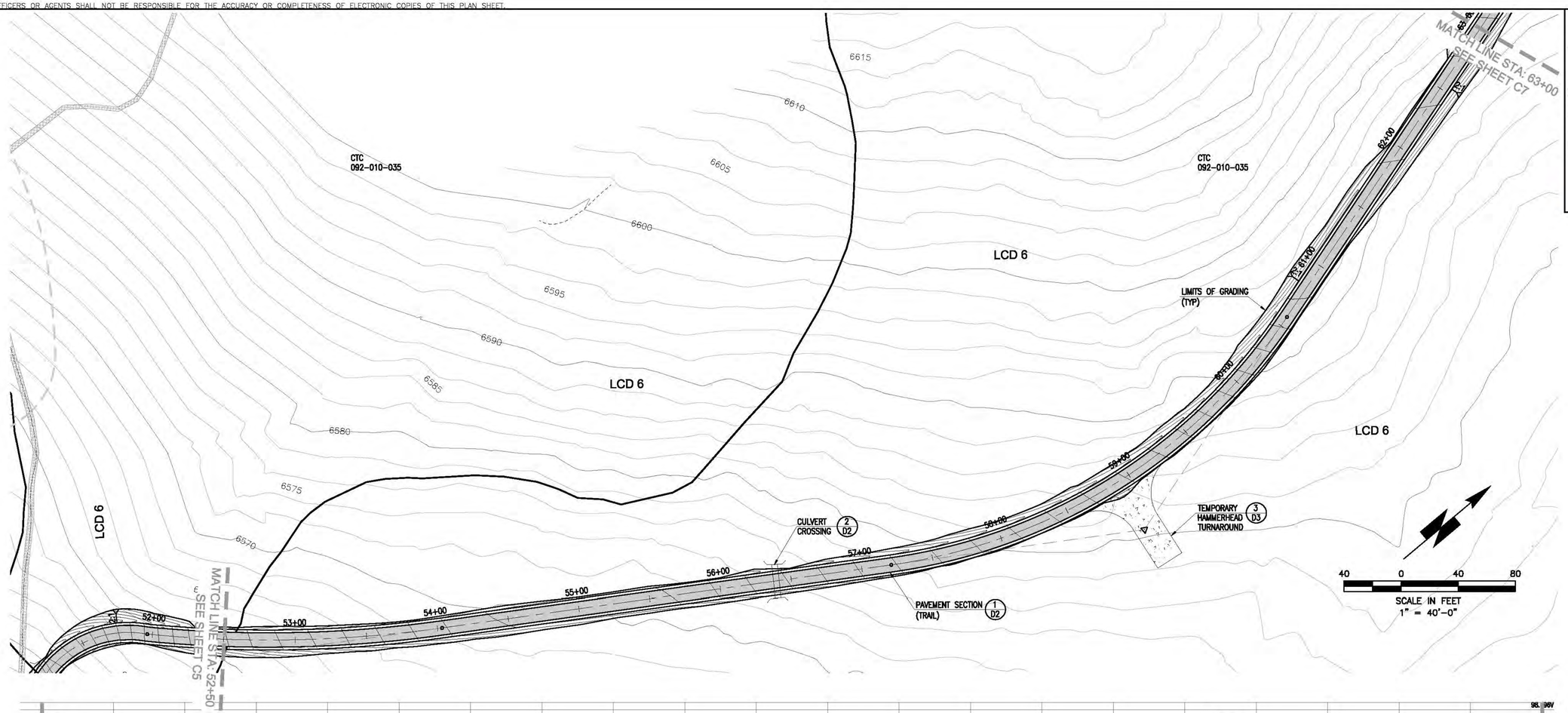

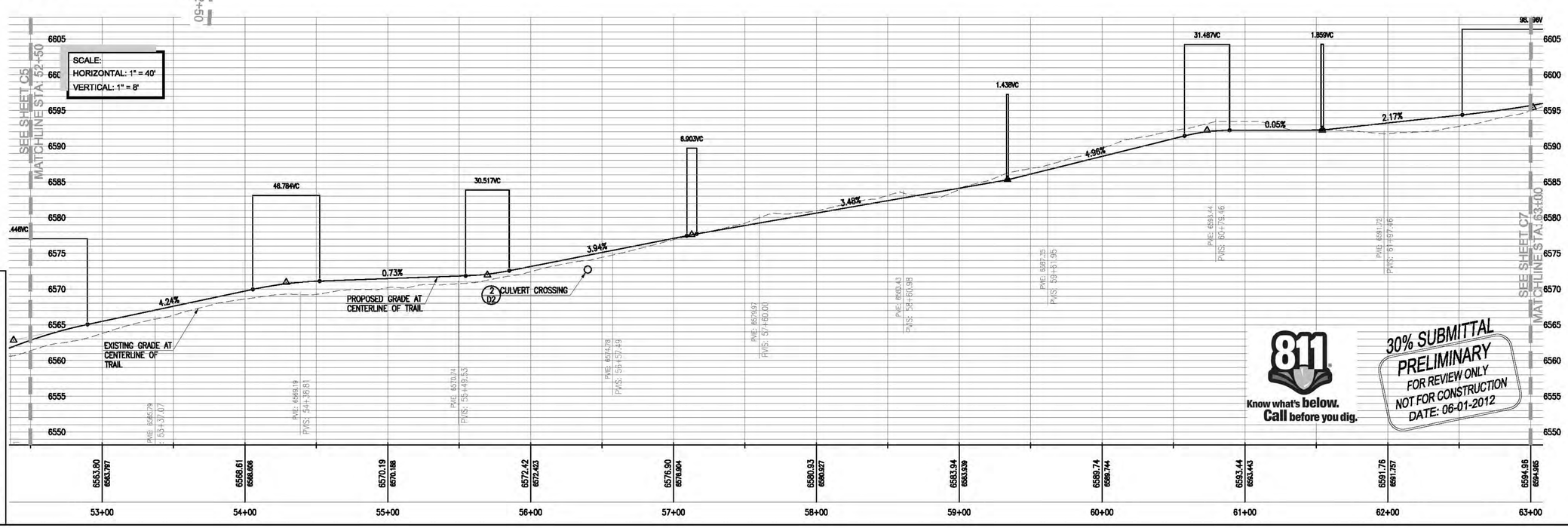

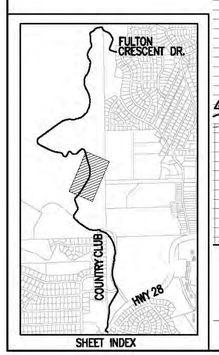

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(775) 588-2505* Fax (775) 588-2607

REVISION #	DESCRIPTION AND SHEET NO.	APPROVED BY:	DATE:

DESIGNED BY: CS DATE: 06/01/2012
DRAWN BY: CKC DATE: 06/01/2012
CHECKED BY: JWN DATE: 03/28/2012

REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER C. SITZLER NO. C 53671 EXP. 06/30/13 CIVIL STATE OF CALIFORNIA

COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS
TAHOE ENGINEERING DIVISION
PO BOX 336, 7717 N. LAKE BLVD (SR 28)
KINGS BEACH, CA 96143
(530) 581-6238 (530) 581-6239 (FAX)

DOLLAR CREEK SHARED-USE TRAIL

TRAIL PLAN & PROFILE STA 52+50 - 63+00

PROJECT NO. A639.01.14

CONTRACT NO. ---

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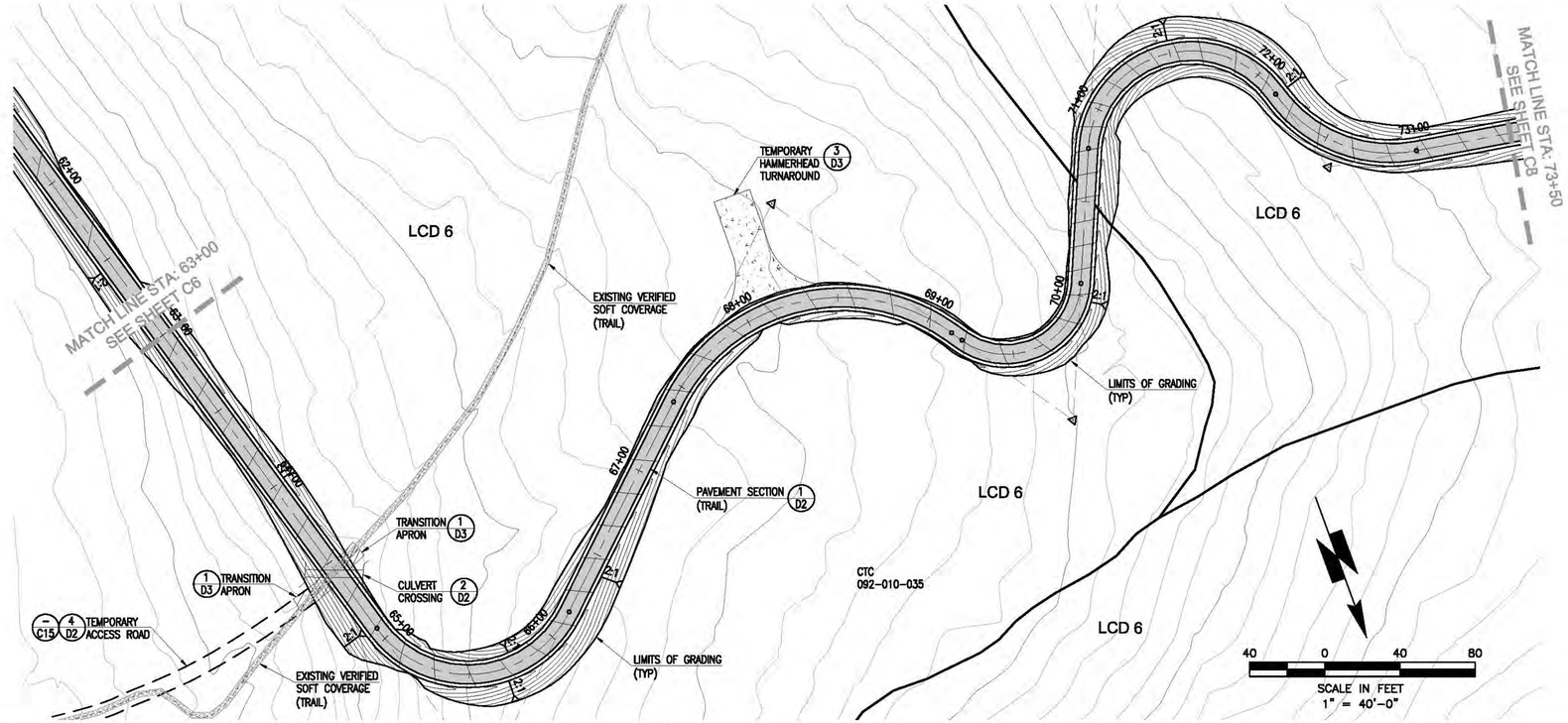

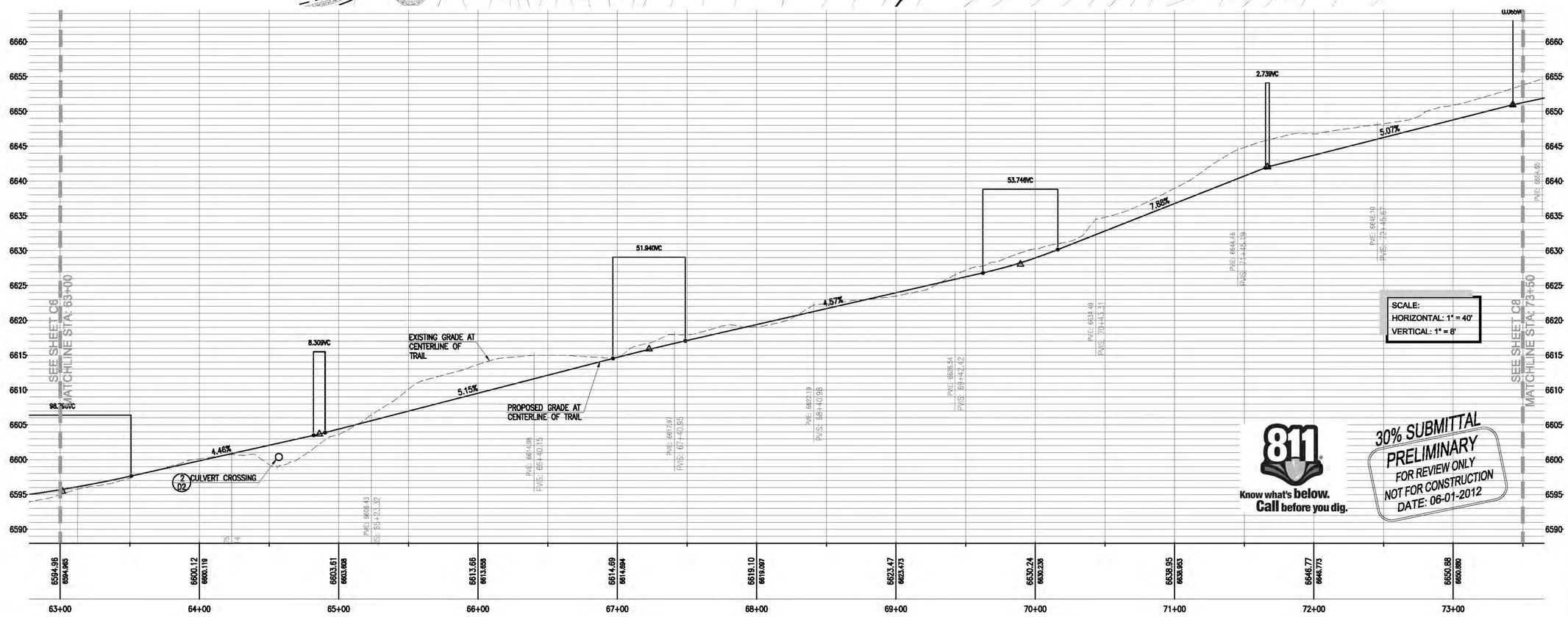

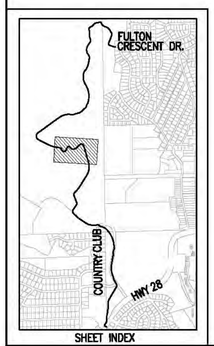

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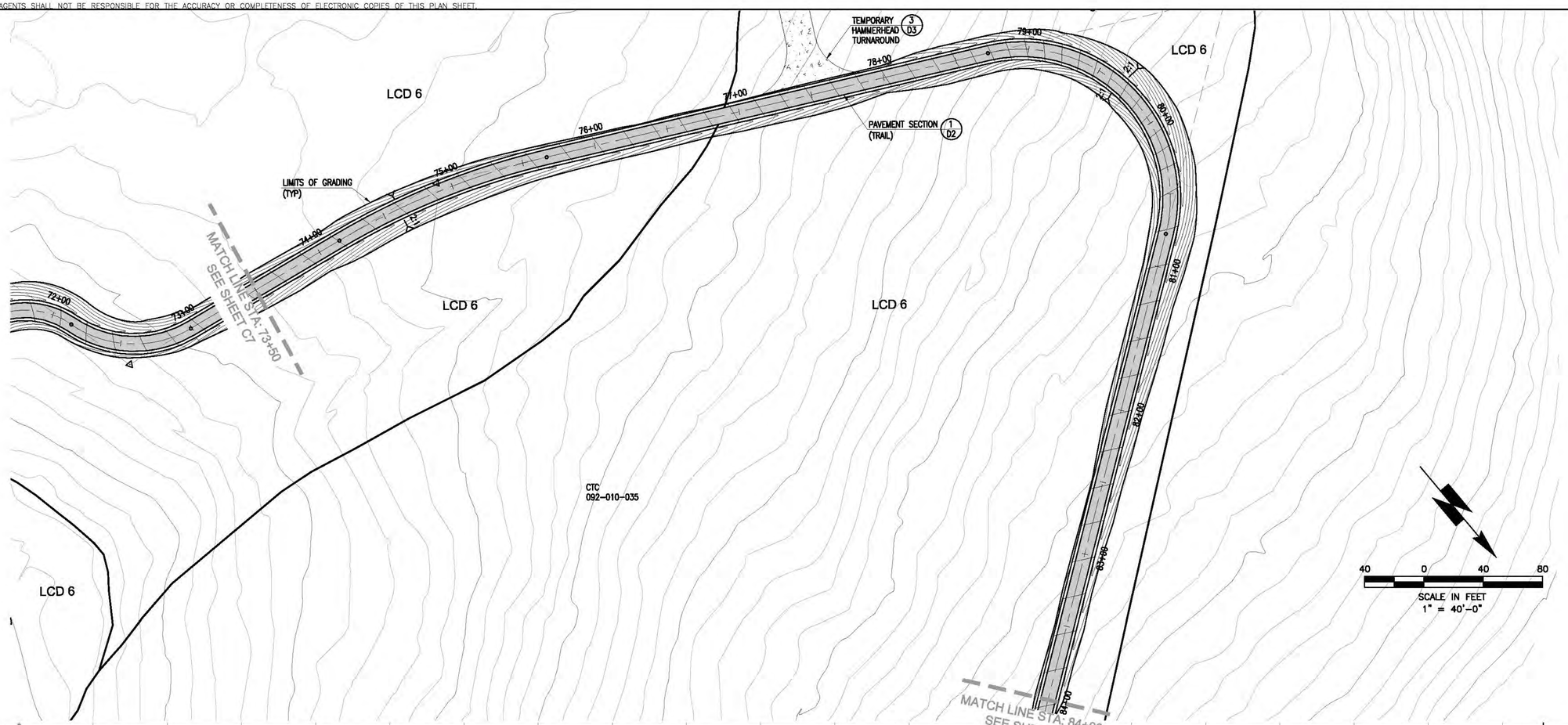

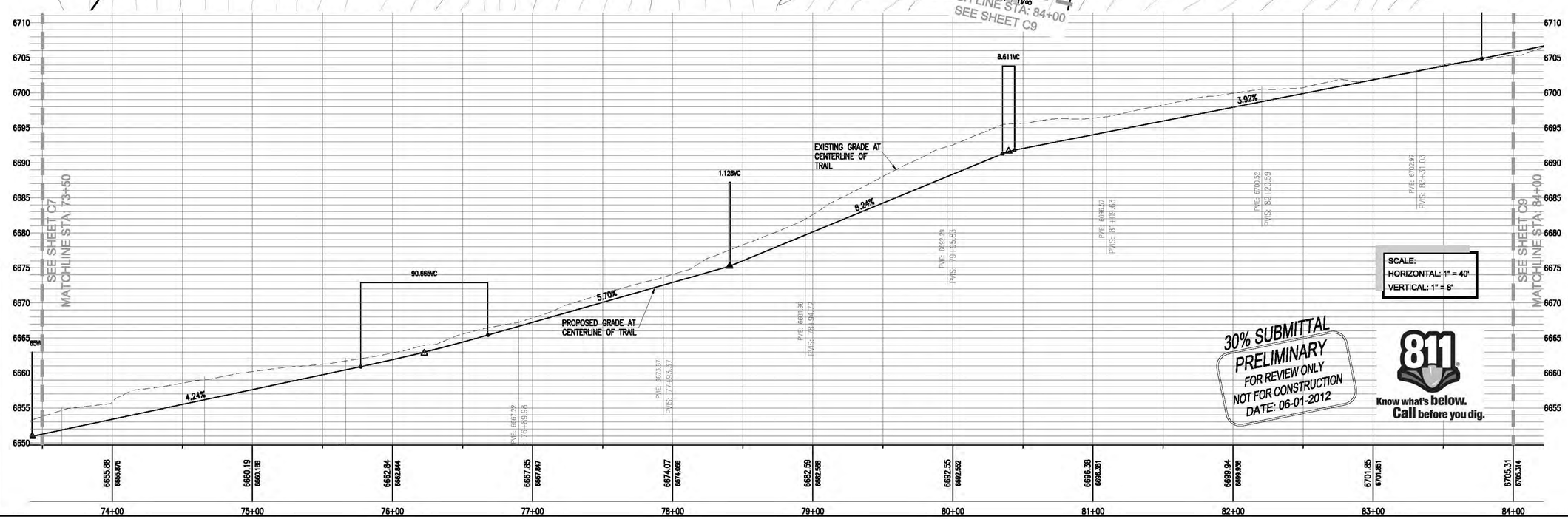

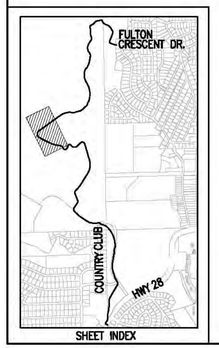

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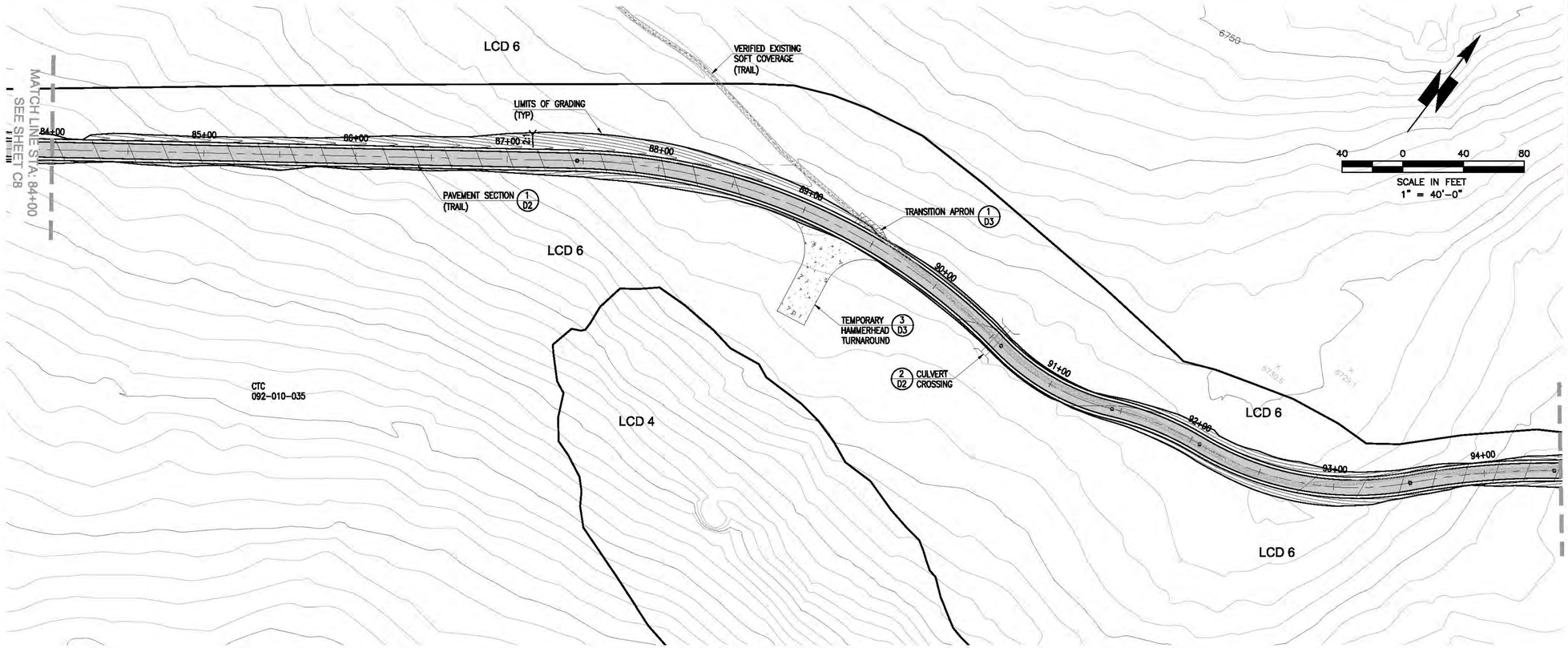

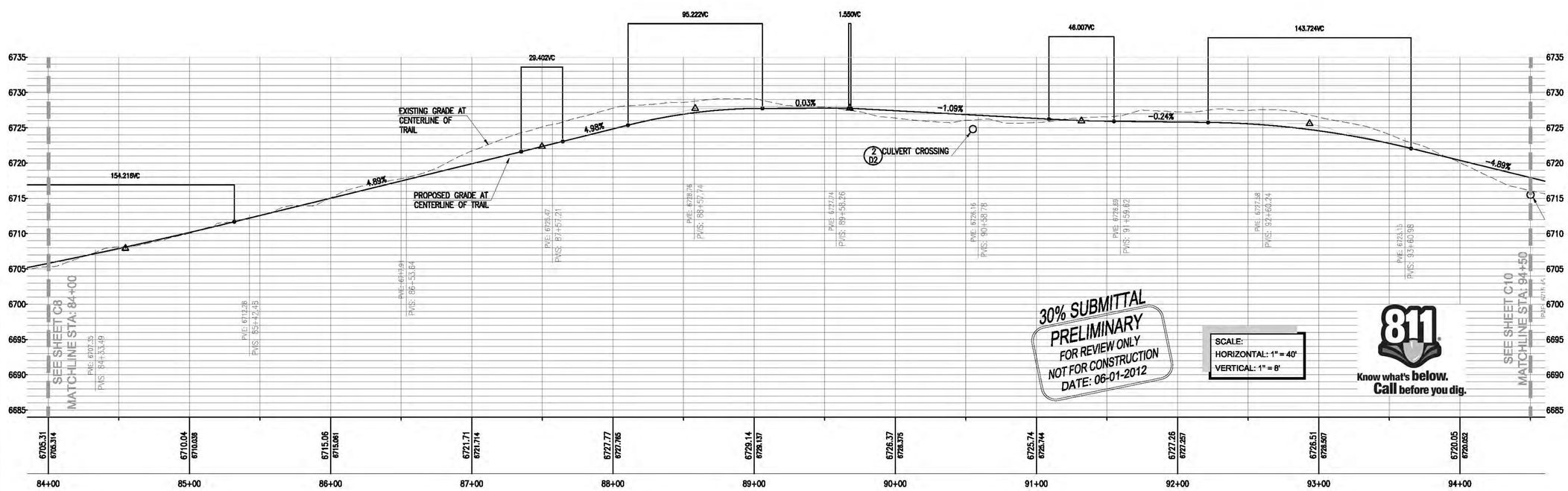

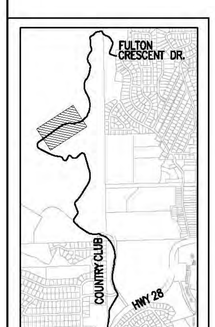

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TRAIL PLAN & PROFILE STA 84+00 – 94+50

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SHEET NO.
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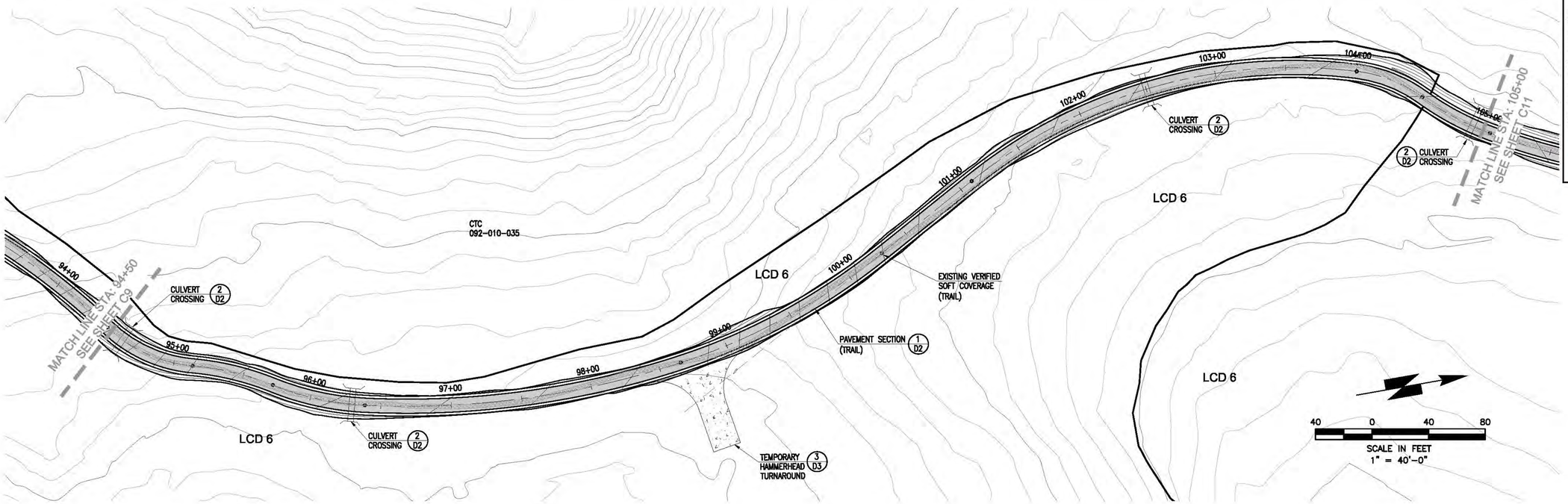

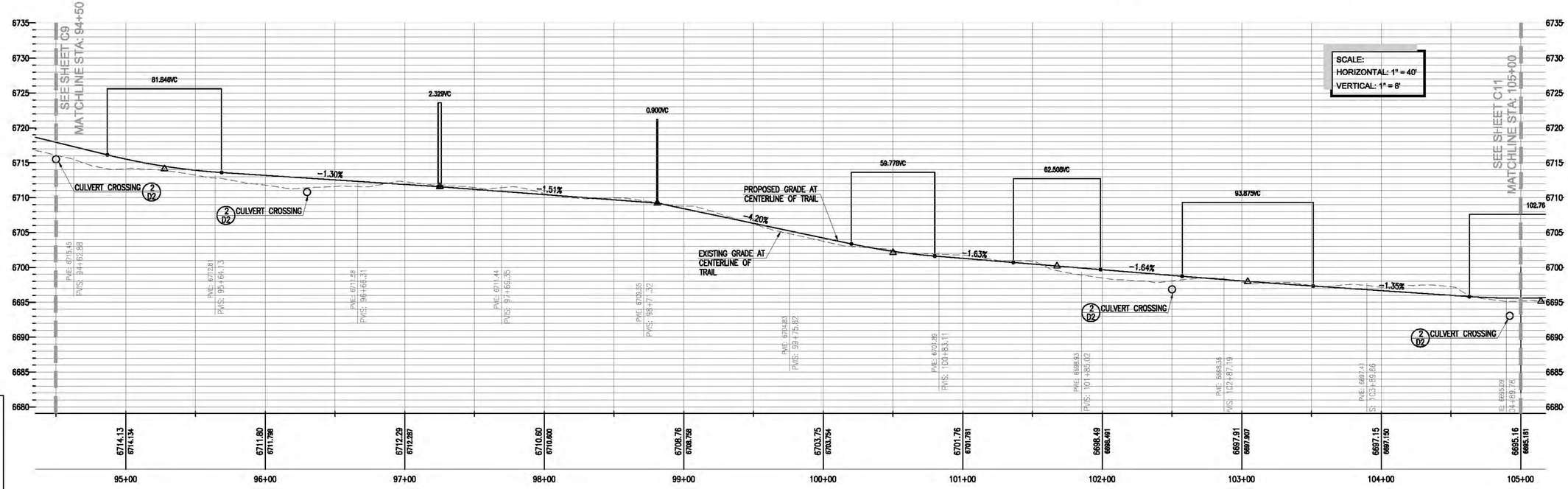

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TRAIL PLAN & PROFILE STA 94+50 - 105+00

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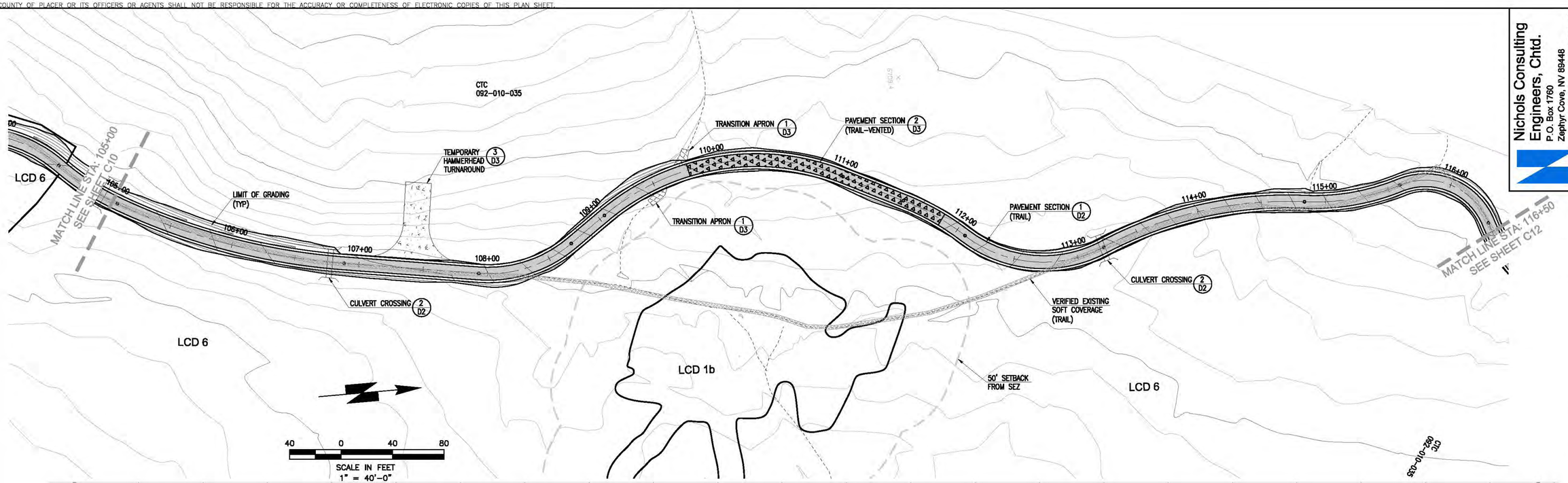

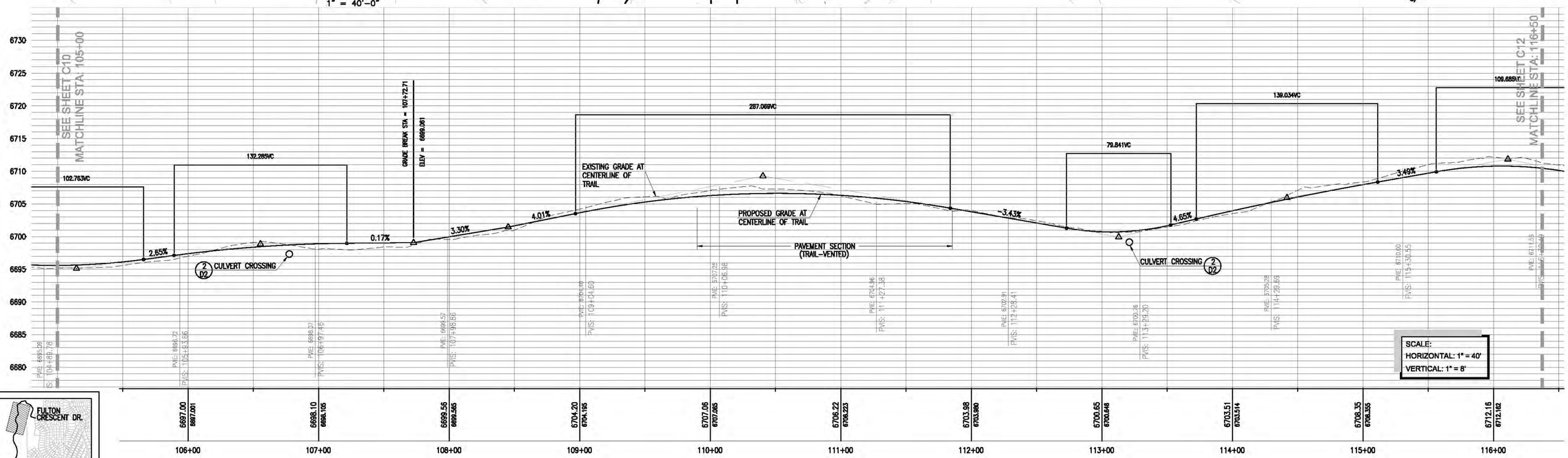

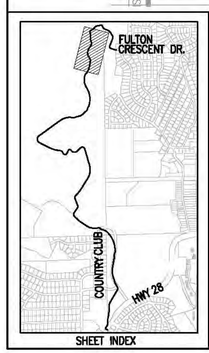

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TRAIL PLAN & PROFILE STA 105+00 – 116+50

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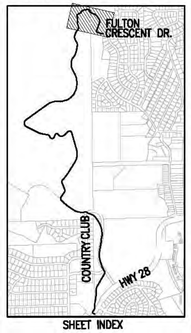

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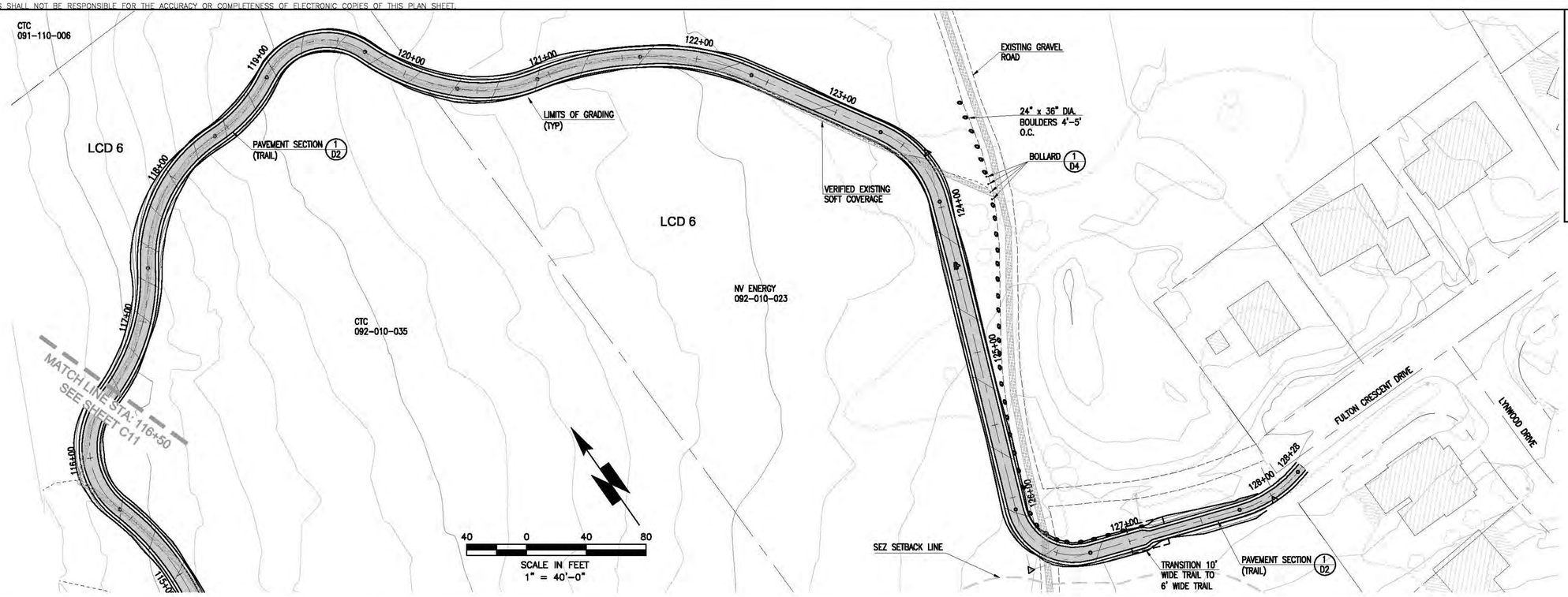

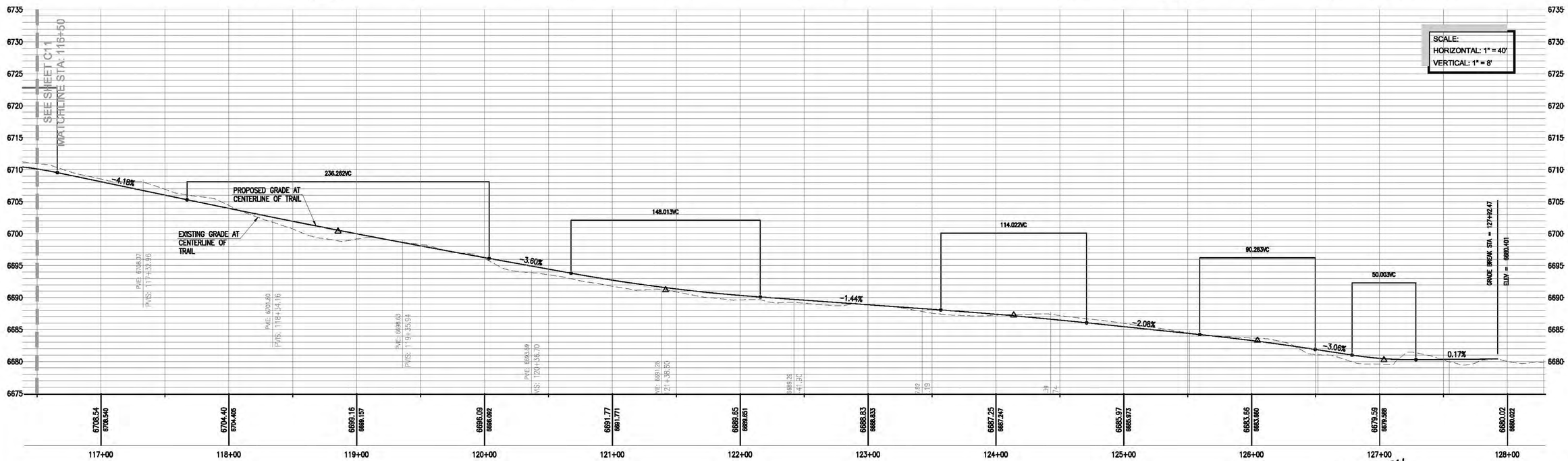

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TRAIL PLAN & PROFILE STA 116+50 – 128+28

PROJECT NO. A639.01.14

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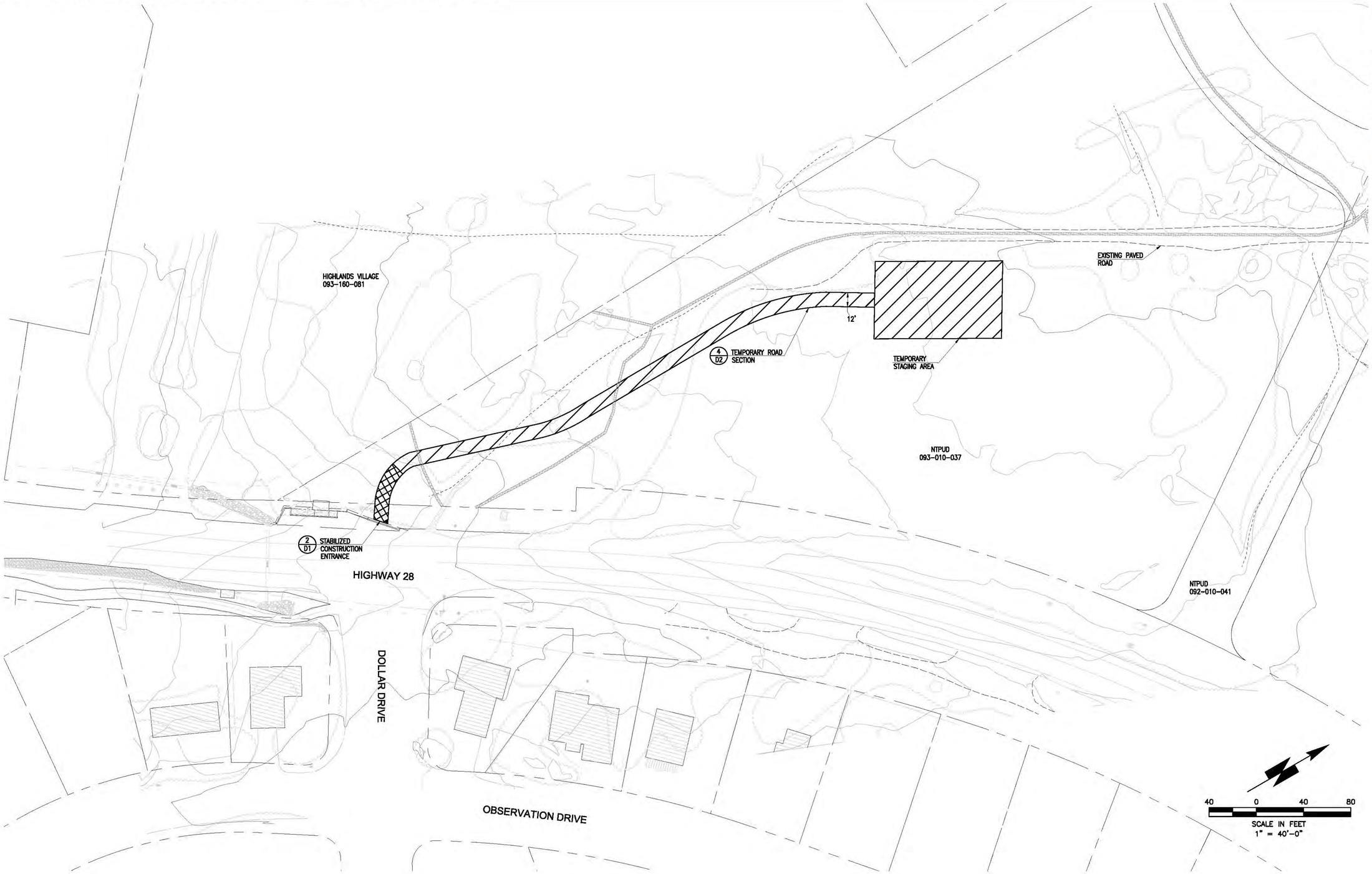

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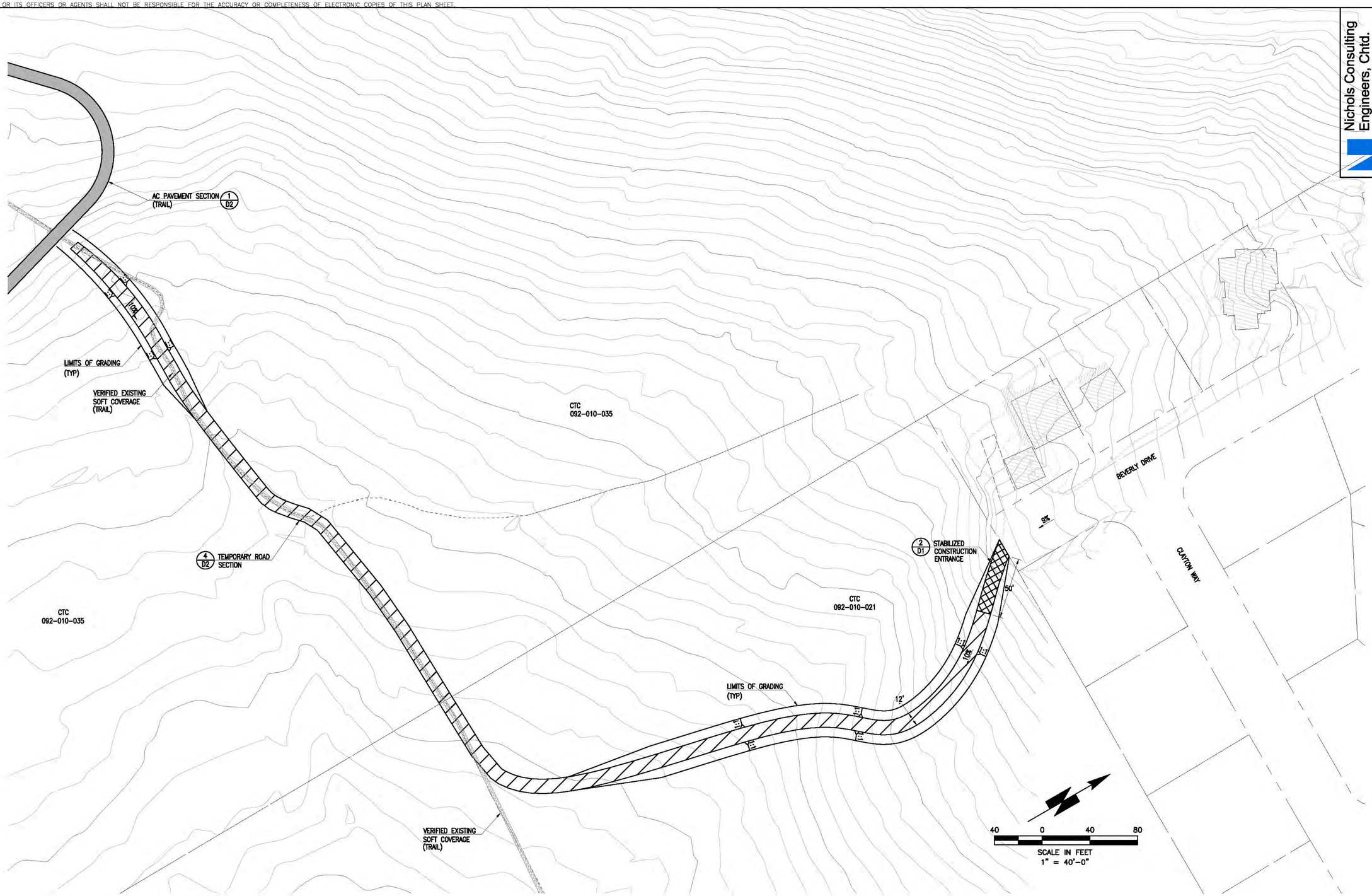

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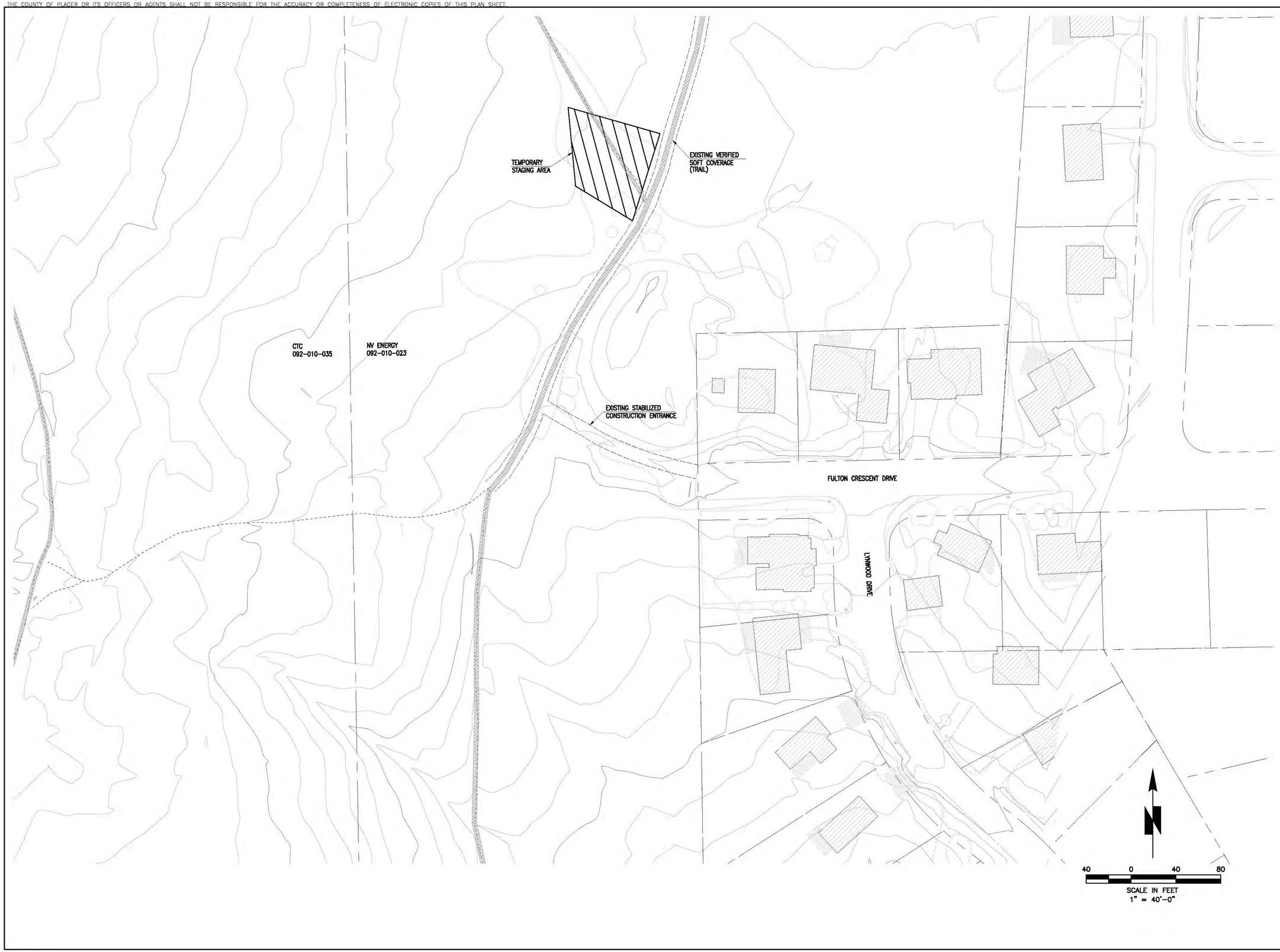

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COUNTY OF PLACER
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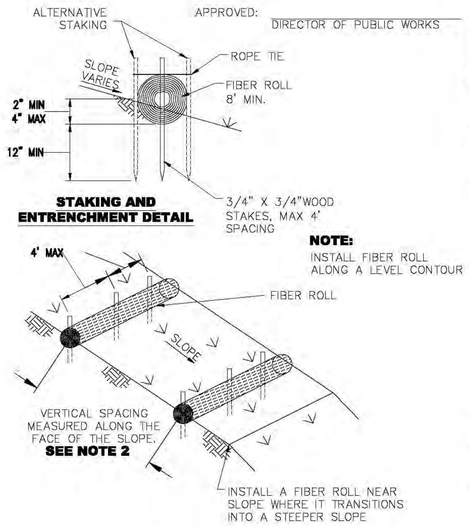
FIBER ROLL INSTALLATION ON SLOPES

DATE: JULY, 2005 | NTS | PLATE **C-6**

APPROVED: _____ DIRECTOR OF PUBLIC WORKS



STAKING AND ENTRENCHMENT DETAIL

NOTE:
INSTALL FIBER ROLL ALONG A LEVEL CONTOUR

TYPICAL FIBER ROLL INSTALLATION

NOTES:

1. FIBER ROLLS SHOULD CONSIST OF STRAW, FLAX, WOOD EXCELSIOR OR COCONUT FIBERS BOUND IN A TIGHT TUBULAR ROLL.
2. LOCATE FIBER ROLLS ON LEVEL CONTOURS SPACED AS FOLLOWS:
   - SLOPE INCLINATION OF 4:1 (H:V) OR FLATTER: FIBER ROLLS SHOULD BE PLACED AT A MAXIMUM INTERVAL OF 20 FT.
   - SLOPE INCLINATION BETWEEN 4:1 AND 2:1 (H:V): FIBER ROLLS SHOULD BE PLACED AT A MAXIMUM INTERVAL OF 15 FT.
   - SLOPE INCLINATION OF 2:1 (H:V) OR GREATER: FIBER ROLLS SHOULD BE PLACED AT A MAXIMUM INTERVAL OF 10 FT.
3. TURN THE ENDS OF THE FIBER ROLL UP SLOPE TO PREVENT RUNOFF FROM GOING AROUND THE ROLL.
4. IF MORE THAN ONE FIBER ROLL IS PLACED IN A ROW, THE ROLLS SHOULD BE OVERLAPPED, NOT ABUTTED.
5. FIBER ROLLS MAY BE USED FOR DRAINAGE INLET PROTECTION IF PROPERLY ANCHORED.
6. SEDIMENT SHOULD BE REMOVED WHEN SEDIMENT ACCUMULATION REACHES ONE-HALF THE SEDIMENT STORAGE DEPTH.

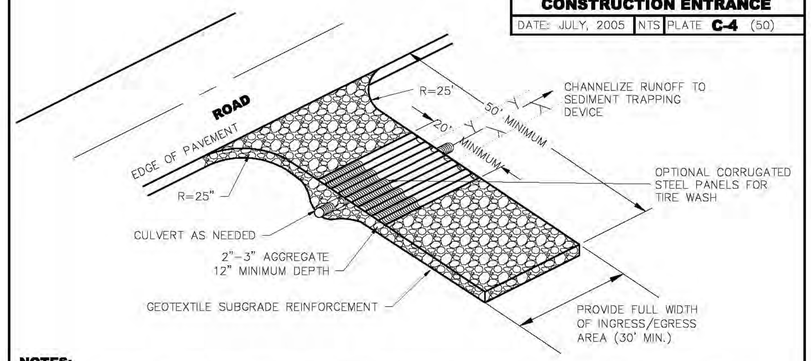
1 / D1 FIBER ROLL
NO SCALE

COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS

STABILIZED CONSTRUCTION ENTRANCE

DATE: JULY, 2005 | NTS | PLATE **C-4** (50)

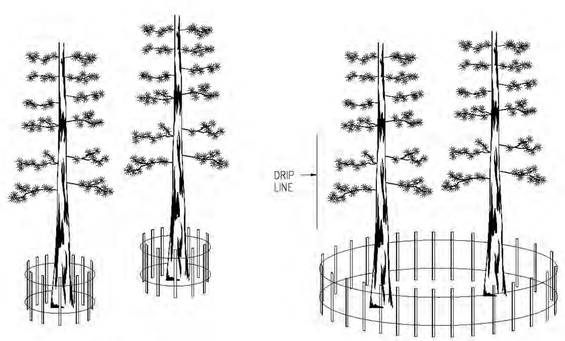
APPROVED: _____ DIRECTOR OF PUBLIC WORKS



NOTES:

1. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE USED AT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS.
2. THE AGGREGATE SHALL BE 2 -3 IN. CRUSHED ROCK.
3. THE ENTRANCE SHALL BE PROPERLY GRADED TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
4. THE ENTRANCE SHALL BE CONSTRUCTED ON LEVEL GROUND.
5. PERIODIC TOP DRESSING WITH ADDITIONAL STONE SHALL BE PROVIDED TO ENSURE THE INTEGRITY OF THE ENTRANCE DURING CONSTRUCTION.
6. CONTRACTOR TO MAINTAIN CONSTRUCTION ENTRANCE AT ALL TIMES.
7. CRUSHED ROCK MATERIAL SHALL BE ADDED WHEN SURFACE VOIDS ARE NOT VISIBLE.
8. ALL SEDIMENT DEPOSITS ON PAVED ROADWAYS SHALL BE REMOVED WITHIN 24 HOURS.
9. THE CRUSHED ROCK AND GEOTEXTILE SHALL BE REMOVED AT COMPLETION OF CONSTRUCTION.

2 / D1 STABILIZED CONSTRUCTION ENTRANCE
NO SCALE



INCORRECT CORRECT

CONSTRUCTION FENCING NOTES

1. FENCING OF VEGETATION PROTECTION AREAS AND "NON-APPROVED" CONSTRUCTION AREAS SHALL BE AT LEAST 48 INCHES HIGH AND SHALL BE CONSTRUCTED OF METAL POSTS AND EITHER ORANGE CONSTRUCTION FENCING OR METAL MESH FENCING ALSO AT LEAST 48 INCHES HIGH.
2. NO MATERIAL OR EQUIPMENT SHALL ENTER OR BE PLACED IN THE AREAS PROTECTED BY FENCING OR OUTSIDE THE APPROVED CONSTRUCTION AREA WITHOUT PRIOR APPROVAL FROM THE ENGINEER. FENCES SHALL NOT BE MOVED WITHOUT PRIOR APPROVAL.
3. TREE PROTECTION FENCING SHOWN ON PLANS IS NOT TO SCALE.

3 / D1 TREE PROTECTION FENCING
NO SCALE

NOTES:

1. DO NOT USE IN STREAMS, CHANNELS, DRAIN INLETS, OR ANYWHERE FLOW IS CONCENTRATED. DO NOT USE TO DIVERT FLOW.
2. THE MAXIMUM LENGTH OF SLOPE DRAINING TO ANY POINT ALONG THE SILT FENCE SHOULD BE 200 FT OR LESS.
3. SILT FENCE FABRIC SHOULD BE WOVEN POLYPROPYLENE WITH A MINIMUM WIDTH OF 36 IN AND A MINIMUM TENSILE STRENGTH OF 100 LB FORCE.
4. THE FOLLOWING CRITIERIA IS RECOMMENDED FOR SELECTION OF THE FABRIC EQUIVALENT OPENING SIZE:
   A. IF 50% OR LESS OF THE SOIL, BY WEIGHT, WILL PASS THE U.S. STANDARD SIEVE NO. 200, SELECT THE EOS TO RETAIN 85% OF THE SOIL. THE EOS SHOULD NOT BE FINER THAN EOS70.
   B. FOR ALL OTHER SOIL TYPES, THE EOS SHOULD BE NO LARGER THAN THE OPENINGS IN THE U.S. STANDARD SIEVE NO. 70 EXCEPT WHERE DIRECT DISCHARGE TO A STREAM, LAKE, OR WETLAND WILL OCCUR, THEN THE EOS SHOULD BE NO LARGER THAN STANDARD SIEVE NO. 100.
5. CONNECTION/JOINING OF SILT FENCES SHALL BE COMPLETED BY TIGHTLY OVERLAPPING THE ENDS OF THE ROLLS A MINIMUM OF 12" OR BY OVERLAPPING THE END POSTS AND SECURING THE TWO POSTS TOGETHER TIGHTLY WITH PLASTIC WIRE TIES AND/OR STEEL BAILING WIRE (9 GAUGE OR HEAVIER).
6. STAKES SHALL BE SPACED AT 8'-0" MAXIMUM AND SHALL BE POSITIONED ON DOWNSTREAM SIDE OF FENCE.
7. STAPLES USED TO FASTEN THE FENCE FABRIC TO THE STAKES SHOULD BE NOT LESS THAN 1.25 IN. LONG AND SHOULD BE FABRICATED FROM 15 GAUGE OR HEAVIER WIRE. PLASTIC WIRE TIES AND/OR STEEL BAILING WIRE (9 GAUGE OR HEAVIER) MAY BE SUBSTITUTED. NOT LESS THAN 4 STAPLES/TIES SHALL BE USED ON EACH STAKE.
8. THE LAST 8' OF FENCES SHALL BE TURNED UPSLOPE.
9. SILT FENCES SHOULD BE LEFT IN PLACE, REGULARLY INSPECTED, AND MAINTAINED UNTIL THE UPSTREAM AREA IS PERMANENTLY STABILIZED.
10. SEDIMENT SHOULD BE REMOVED BEFORE THE SEDIMENT ACCUMULATION REACHES ONE-THIRD OF THE BARRIER HEIGHT.

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SILT FENCE

DATE: JULY, 2005 | NTS | PLATE **C-5**

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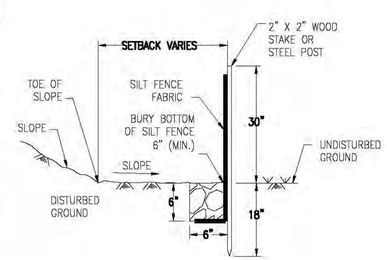

4 / D1 SILT FENCE
NO SCALE

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REVISION #	DESCRIPTION AND SHEET NO.	APPROVED BY:	DATE:

DESIGNED BY: CS DATE: 06/01/2012
DRAWN BY: CKC DATE: 06/01/2012
CHECKED BY: JWN DATE: 03/28/2012

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COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS
TAHOE ENGINEERING DIVISION
PO BOX 336, 7717 N. LAKE BLVD (SR 28)
KINGS BEACH, CA 96143
(530) 581-6238 (530) 581-6239 (FAX)

DOLLAR CREEK SHARED-USE TRAIL
TEMPORARY BMP DETAILS

PROJECT NO. A639.01.14
CONTRACT NO. ---
SHEET NO. D1 OF 27

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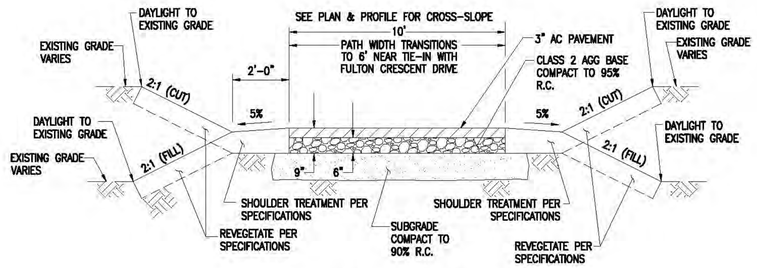
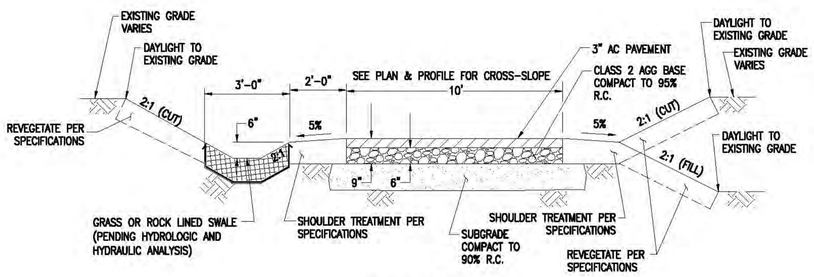


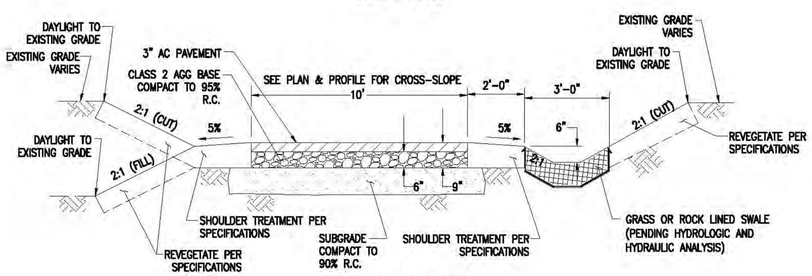
TYPICAL SECTION A

APPLY BETWEEN STATIONS:
12+50 – 22+25
69+50 – 104+00
107+50 – 128+28



TYPICAL SECTION B

APPLY BETWEEN STATIONS:
22+25 – 47+60
48+60 – 65+25
70+90 – 73+00
78+00 – 89+50
104+00 – 107+50

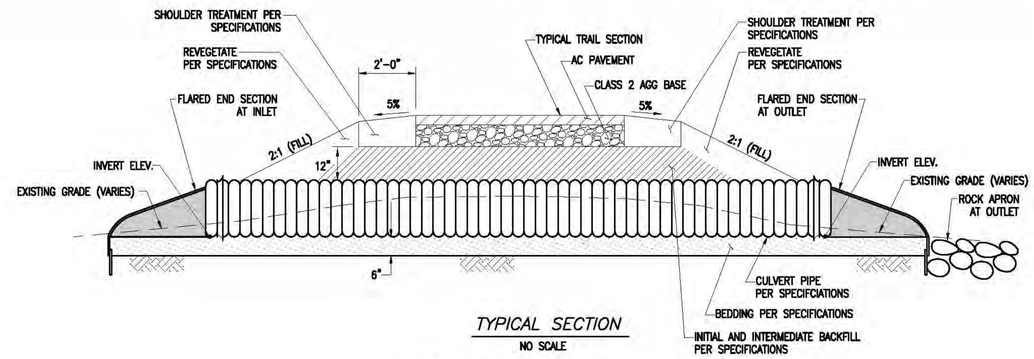


TYPICAL SECTION C

APPLY BETWEEN STATIONS:
65+25– 70+90
73+00 – 78+00

NOTES:
1. FINAL A.C. PAVEMENT AND AGGREGATE BASE SECTION SHALL BE BASED ON SOILS INVESTIGATION (PENDING).
2. SEE PROJECT TECHNICAL SPECIFICATIONS FOR AC PAVEMENT MIX DESIGN, AND REQUIREMENTS FOR PRIME COAT, TACK COAT, AND FOG SEAL.
3. SECTIONAL VIEW IS IN THE DIRECTION OF INCREASING STATION NUMBERS.

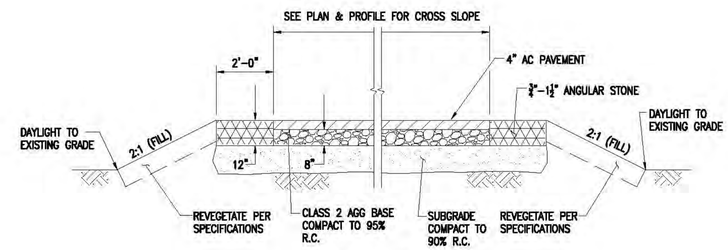
1 / D2 AC PAVEMENT SECTION (TRAIL)
NO SCALE



TYPICAL SECTION

NO SCALE

2 / D2 CULVERT CROSSING
NO SCALE

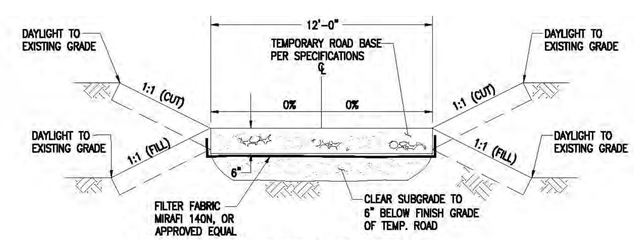


TYPICAL SECTION

NO SCALE

NOTES:
1. FINAL A.C. PAVEMENT AND AGGREGATE BASE SECTION SHALL BE BASED ON SOILS INVESTIGATION (PENDING).
2. EDGE TREATMENT VARIES WHERE AC PAVEMENT EXTENDS TO CONCRETE OR EXISTING AC PAVEMENT, SEE LAYOUT PLAN.
3. SEE PROJECT TECHNICAL SPECIFICATIONS FOR AC PAVEMENT MIX DESIGN, AND REQUIREMENTS FOR PRIME COAT, TACK COAT, AND FOG SEAL.

3 / D2 AC PAVEMENT SECTION (DRIVEWAY, PARKING LOT)
NO SCALE



TYPICAL SECTION

NO SCALE

NOTES:
1. ALL TEMP. ROADS TO BE REMOVED AND THE AREA RE-GRADED TO PRE-PROJECT GRADES AND REVEGETATED PER THE PROJECT SPECIFICATIONS.
2. SEE PROJECT TECHNICAL SPECIFICATIONS FOR TEMP. ROAD SUBGRADE PREPARATION.
3. TEMP. ROAD BASE MAY INCLUDE NATIVE SOILS, CONTINGENT UPON SOILS TESTING TO DEMONSTRATE THAT NATIVE SOILS ARE SUITABLE FOR SUCH USE.

4 / D2 TEMP. ROAD SECTION
N.T.S.

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KINGS BEACH, CA 96143
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DOLLAR CREEK SHARED-USE TRAIL

DETAILS

PROJECT NO. A639.01.14
CONTRACT NO. ---
SHEET NO. D2 OF 27

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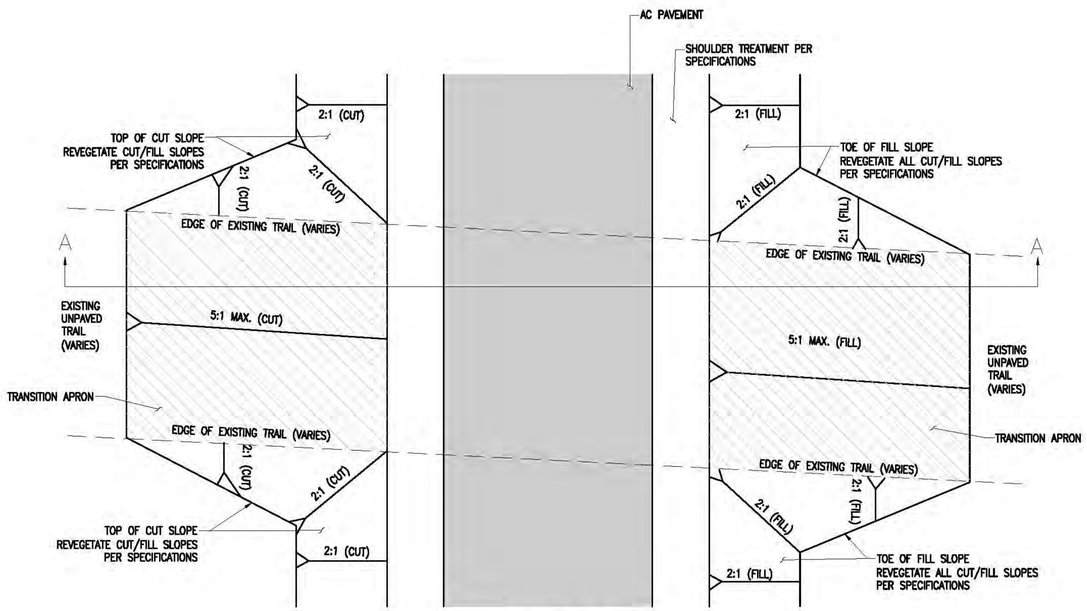
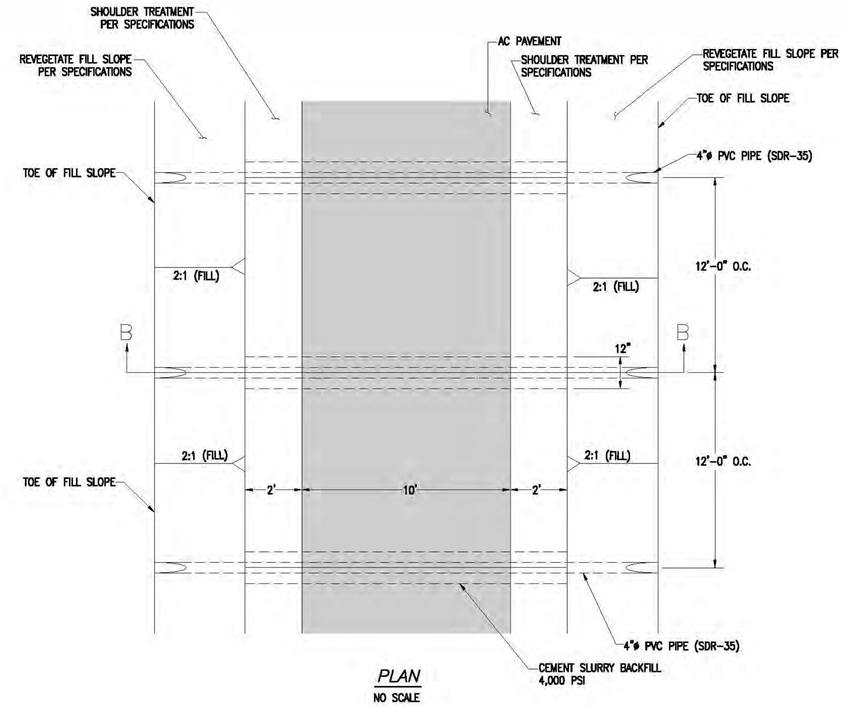


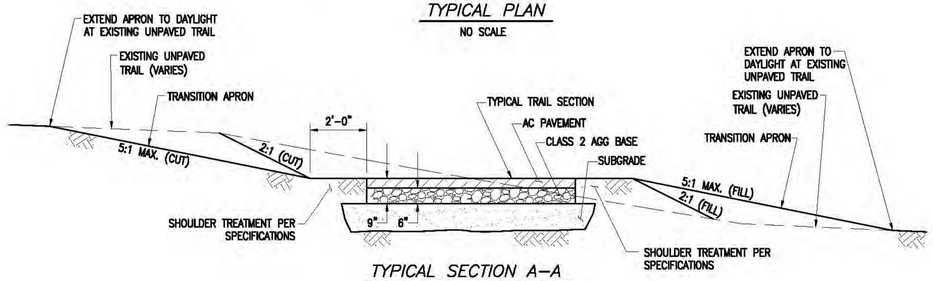
TYPICAL PLAN

NO SCALE



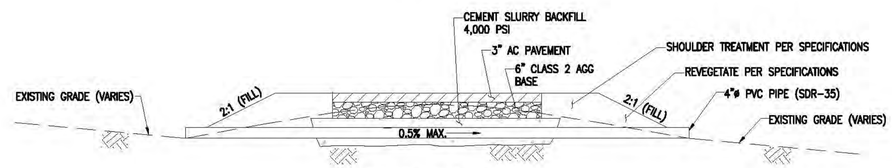
PLAN

NO SCALE



TYPICAL SECTION A–A

NO SCALE



SECTION B–B

NO SCALE

NOTES:

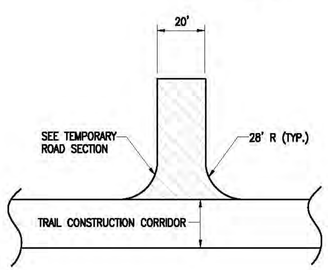
1. SEE PROJECT TECHNICAL SPECIFICATIONS FOR ACCEPTABLE SOILS FOR TRANSITION APRON.
2. SEE PROJECT TECHNICAL SPECIFICATIONS FOR ACCEPTABLE FILL MATERIALS.

1 / D3 TRANSITION APRON

NO SCALE

2 / D3 AC PAVEMENT SECTION (TRAIL – VENTED)

NO SCALE



NOTES:

1. ALL TEMPORARY HAMMERHEAD TURNAROUNDS ARE TO BE REMOVED AT PROJECT COMPLETION. THE AREA IS TO BE RETUNRED TO PRE–PROJECT GRADES AND REVEGETATED PER THE PROJECT SPECIFICATIONS.
2. SEE PROJECT TECHNICAL SPECIFICATIONS FOR TEMP. ROAD SUBGRADE PREPARATION.
3. TEMPORARY HAMMERHEAD TURNAROUND ROAD BASE MAY INCLUDE NATIVE MATERIALS, CONTINGENT UPON SOILS TESTING TO DEMONSTRATE THAT NATIVE SOILS ARE SUITABLE FOR SUCH USE.
4. TEMPORARY HAMMERHEAD TURNAROUNDS MUST BE LOCATED SO AS TO AVOID SPECIAL FEATURES SUCH AS ROCK OUTCROPS AND TREES HAVING A DIAMETER AT BREAST HEIGHT EQUAL TO OR GREATER THAN 30–INCHES. FINAL LOCATIONS FOR TEMPORARY HAMMERHEAD TURNAROUNDS ARE SUBJECT TO REVIEW AND APPROVAL BY THE OWNER'S DESIGNATED PROJECT REPRESENATIVE.

3 / D3 TEMPORARY HAMMERHEAD TURNAROUND

NO SCALE

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DOLLAR CREEK SHARED–USE TRAIL

DETAILS

PROJECT NO. A639.01.14

CONTRACT NO. ---

SHEET NO. D3 OF 27

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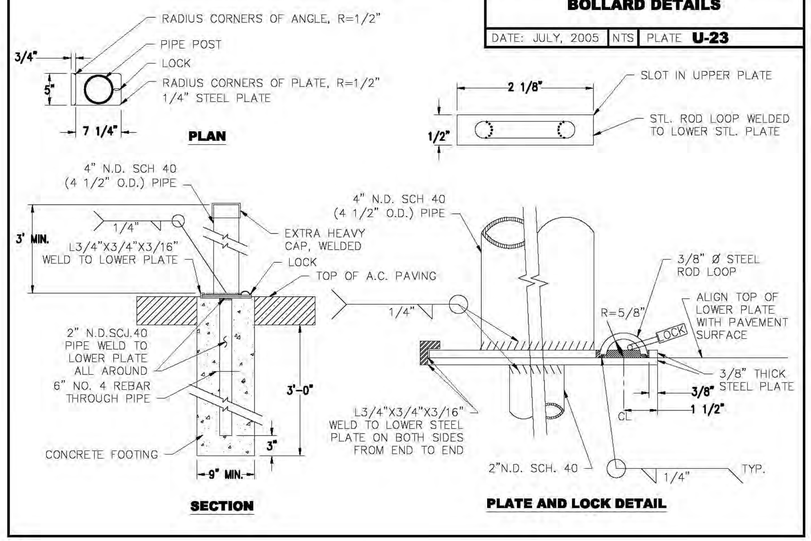
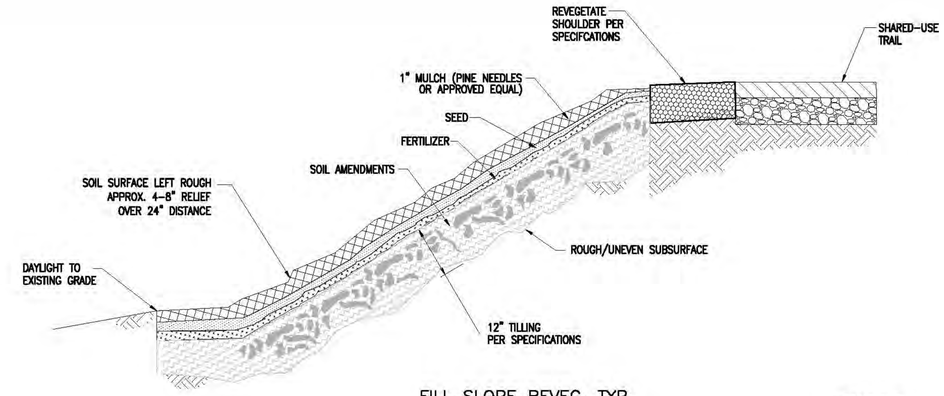
BOLLARD DETAILS

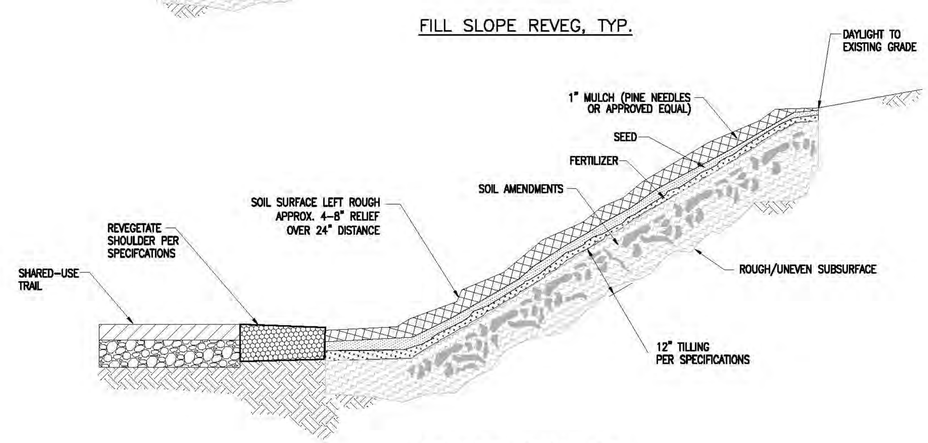
DATE: JULY, 2005 | NTS | PLATE **U-23**



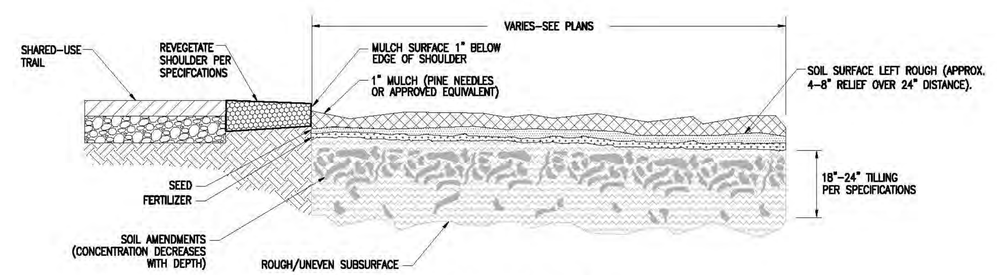
1/D4 BOLLARD
N.T.S.



FILL SLOPE REVEG, TYP.



CUT SLOPE REVEG, TYP.



FLAT AREA REVEG, TYP.

NOTES:
IMPLEMENTATION STEPS FOR REVEG ON FLAT AREAS AND CUT/FILL SLOPES

1. SPREAD SOIL AMENDMENTS
2. TILL SOIL AND INCORPORATE AMENDMENTS TO DEPTH AS DIRECTED BY SPECIFICATIONS
3. SPREAD AND RAKE SEED MIX
4. SPREAD MULCH
5. APPLY TACKIFIER
6. PROVIDE TEMPORARY IRRIGATION

2/D4 REVEGETATION
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EXP. 06/30/13
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D4 OF 27

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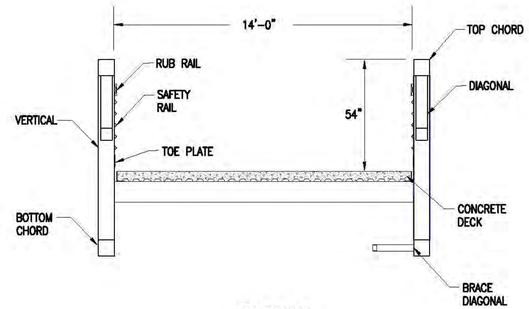
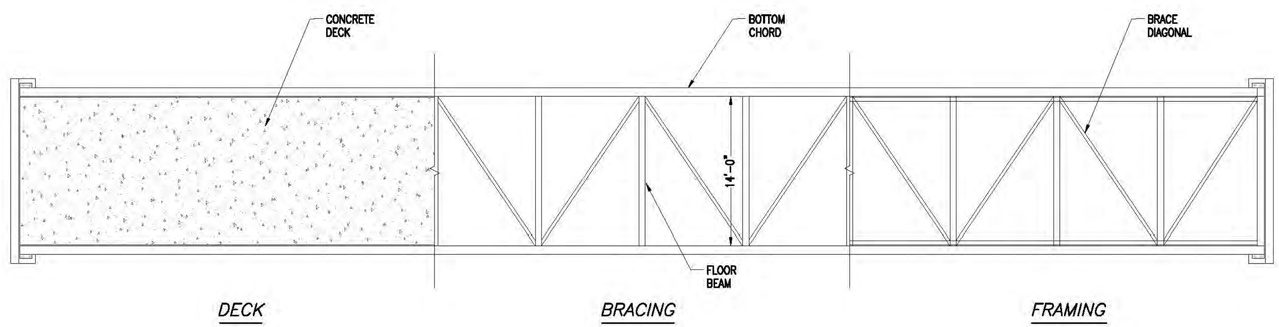
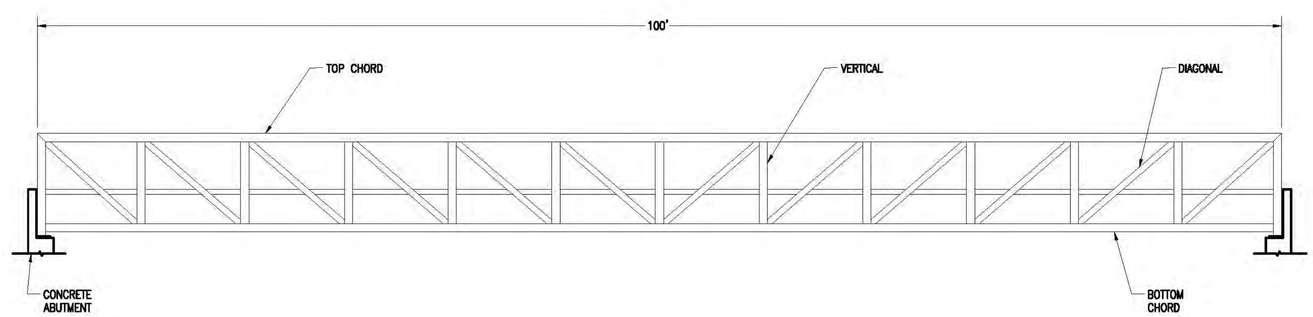


SECTION

SECTION IS SHOWN AT TWO TIMES THE PLAN & ELEVATION SCALE



PLAN



ELEVATION

1 / D5 PREFABRICATED TRUSS BRIDGE

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DEPARTMENT OF PUBLIC WORKS
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DOLLAR CREEK SHARED-USE TRAIL

DETAILS

PROJECT NO. A639.01.14

CONTRACT NO. ---

SHEET NO. D5 OF 27

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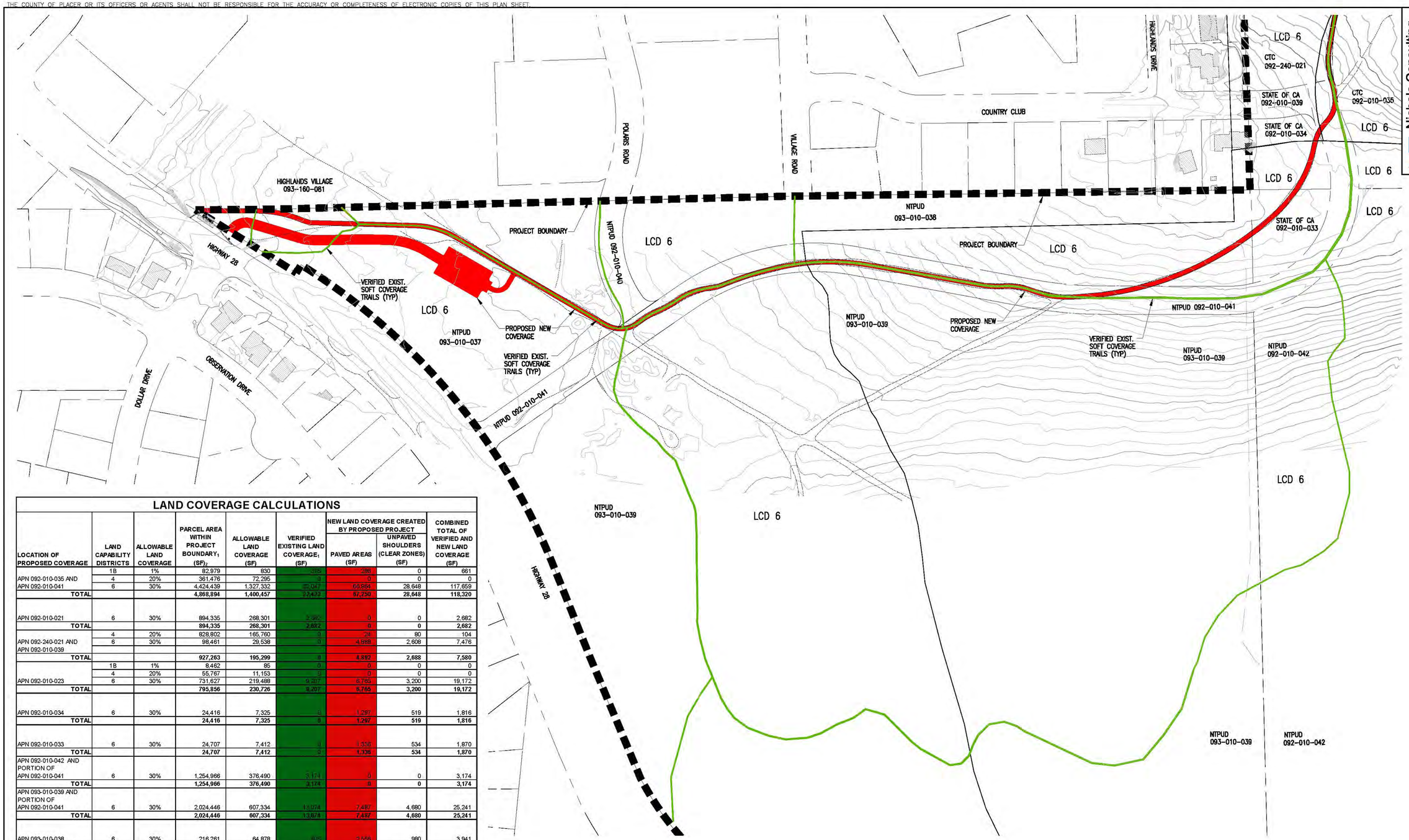

LAND COVERAGE CALCULATIONS

LOCATION OF PROPOSED COVERAGE	LAND CAPABILITY DISTRICTS	ALLOWABLE LAND COVERAGE	PARCEL AREA WITHIN PROJECT BOUNDARY[1] (SF)[2]	ALLOWABLE LAND COVERAGE (SF)	VERIFIED EXISTING LAND COVERAGE[1] (SF)	NEW LAND COVERAGE CREATED BY PROPOSED PROJECT: PAVED AREAS (SF)	NEW LAND COVERAGE CREATED BY PROPOSED PROJECT: UNPAVED SHOULDERS (CLEAR ZONES) (SF)	COMBINED TOTAL OF VERIFIED AND NEW LAND COVERAGE (SF)
	1B	1%	82,979	830	365	296	0	661
APN 092-010-035 AND	4	20%	361,476	72,295	0	0	0	0
APN 092-010-041	6	30%	4,424,439	1,327,332	22,047	66,864	28,648	117,659
TOTAL			**4,868,894**	**1,400,457**	**22,412**	**67,250**	**28,648**	**118,320**
APN 092-010-021	6	30%	894,335	268,301	2,682	0	0	2,682
TOTAL			**894,335**	**268,301**	**2,682**	**0**	**0**	**2,682**
	4	20%	828,802	165,760	0	24	80	104
APN 092-240-021 AND	6	30%	98,461	29,538	0	4,868	2,608	7,476
APN 092-010-039								
TOTAL			**927,263**	**195,299**	**0**	**4,892**	**2,688**	**7,580**
	1B	1%	8,462	85	0	0	0	0
	4	20%	55,767	11,153	0	0	0	0
APN 092-010-023	6	30%	731,627	219,488	9,207	6,765	3,200	19,172
TOTAL			**795,856**	**230,726**	**9,207**	**6,765**	**3,200**	**19,172**
APN 092-010-034	6	30%	24,416	7,325	0	1,297	519	1,816
TOTAL			**24,416**	**7,325**	**0**	**1,297**	**519**	**1,816**
APN 092-010-033	6	30%	24,707	7,412	0	1,336	534	1,870
TOTAL			**24,707**	**7,412**	**0**	**1,336**	**534**	**1,870**
APN 092-010-042 AND PORTION OF APN 092-010-041	6	30%	1,254,966	376,490	3,174	0	0	3,174
TOTAL			**1,254,966**	**376,490**	**3,174**	**0**	**0**	**3,174**
APN 093-010-039 AND PORTION OF APN 092-010-041	6	30%	2,024,446	607,334	13,074	7,487	4,680	25,241
TOTAL			**2,024,446**	**607,334**	**13,074**	**7,487**	**4,680**	**25,241**
APN 093-010-038	6	30%	216,261	64,878	405	2,556	980	3,941
TOTAL			**216,261**	**64,878**	**405**	**2,556**	**980**	**3,941**
APN 093-010-037 AND PORTION OF APN 092-010-040	6	30%	236,459	70,938	3,488	26,149	6,709	36,266
TOTAL			**236,459**	**70,938**	**3,488**	**26,149**	**6,709**	**36,266**
PROJECT AREA TOTALS			**11,267,603**	**3,229,159**	**54,372**	**117,732**	**47,958**	**220,062**

NOTES:

1. VALUES PROVIDED FOR PARCEL AREA WITHIN PROJECT AREA AND VERIFIED EXISTING LAND COVERAGE ARE FROM CARDNO ENTRIX'S JANUARY 2012 REPORT, "FINAL DOLLAR CREEK SHARED-USE TRAIL PROJECT - LAND CAPABILITY AND LAND COVERAGE REPORT - PLACER COUNTY, CALIFORNIA".

2. SF = SQUARE FEET.

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Nichols Consulting Engineers, Chtd.
P.O. Box 1760
Zephyr Cove, NV 89448
(775) 588-2505* Fax (775) 588-2607

REVISION #	DESCRIPTION AND SHEET NO.	APPROVED BY:	DATE:

DESIGNED BY: CS DATE: 06/01/2012
DRAWN BY: CKC DATE: 06/01/2012
CHECKED BY: JWN DATE: 03/28/2012

REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER C. SITTLER NO. C 53671 EXP. 06/30/13 CIVIL STATE OF CALIFORNIA

COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS
TAHOE ENGINEERING DIVISION
PO BOX 336, 7717 N. LAKE BLVD (SR 28)
KINGS BEACH, CA 96143
(530) 581-6238 (530) 581-6239 (FAX)

DOLLAR CREEK SHARED-USE TRAIL

LAND COVERAGE - 1

PROJECT NO. A639.01.14

CONTRACT NO. ---

SHEET NO. LC1 OF 27

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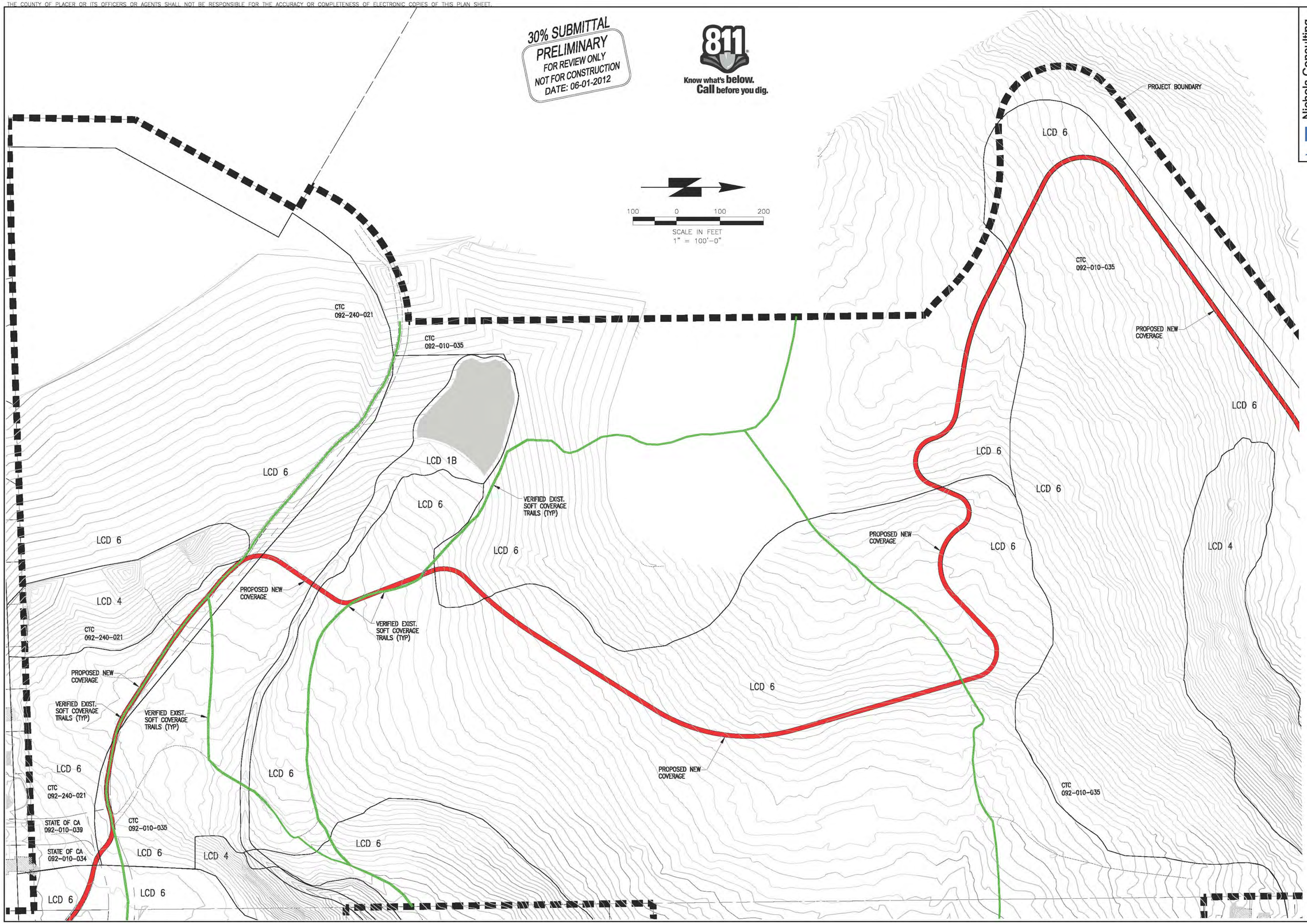

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CHRISTOPHER C. SITZLER
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EXP. 06/30/13
CIVIL
STATE OF CALIFORNIA

COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS
TAHOE ENGINEERING DIVISION

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DOLLAR CREEK SHARED-USE TRAIL

LAND COVERAGE - 2

PROJECT NO.
A639.01.14

CONTRACT NO.

SHEET NO.
LC2 OF 27

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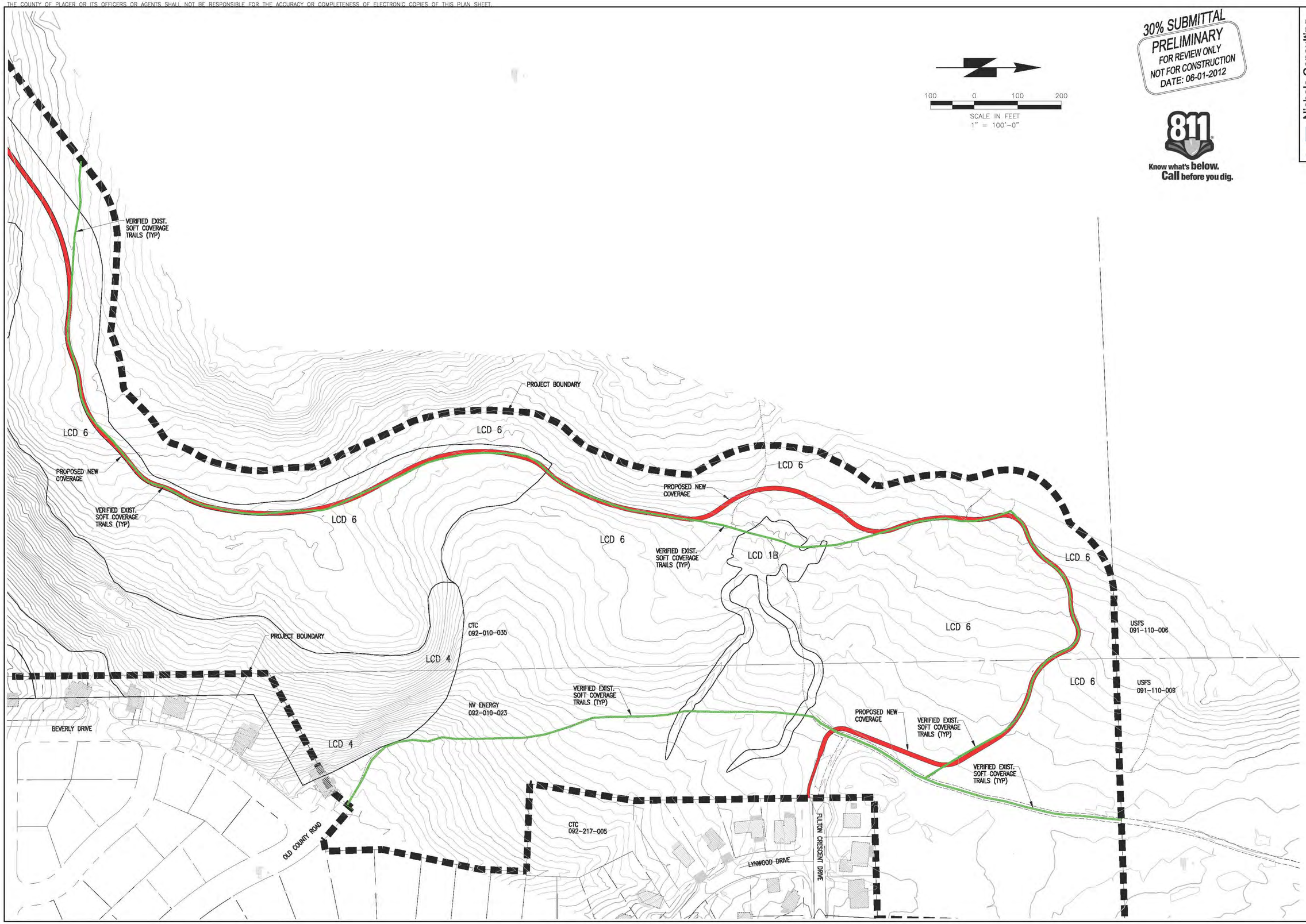

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DATE: 06/01/2012
DRAWN BY: CKC
DATE: 06/01/2012
CHECKED BY: JWN
DATE: 03/28/2012

REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER C. SITTLER
NO. C 53671
EXP. 06/30/13
CIVIL
STATE OF CALIFORNIA

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DOLLAR CREEK SHARED-USE TRAIL

LAND COVERAGE - 3

PROJECT NO.
A639.01.14

CONTRACT NO.

SHEET NO.
LC3 OF 27