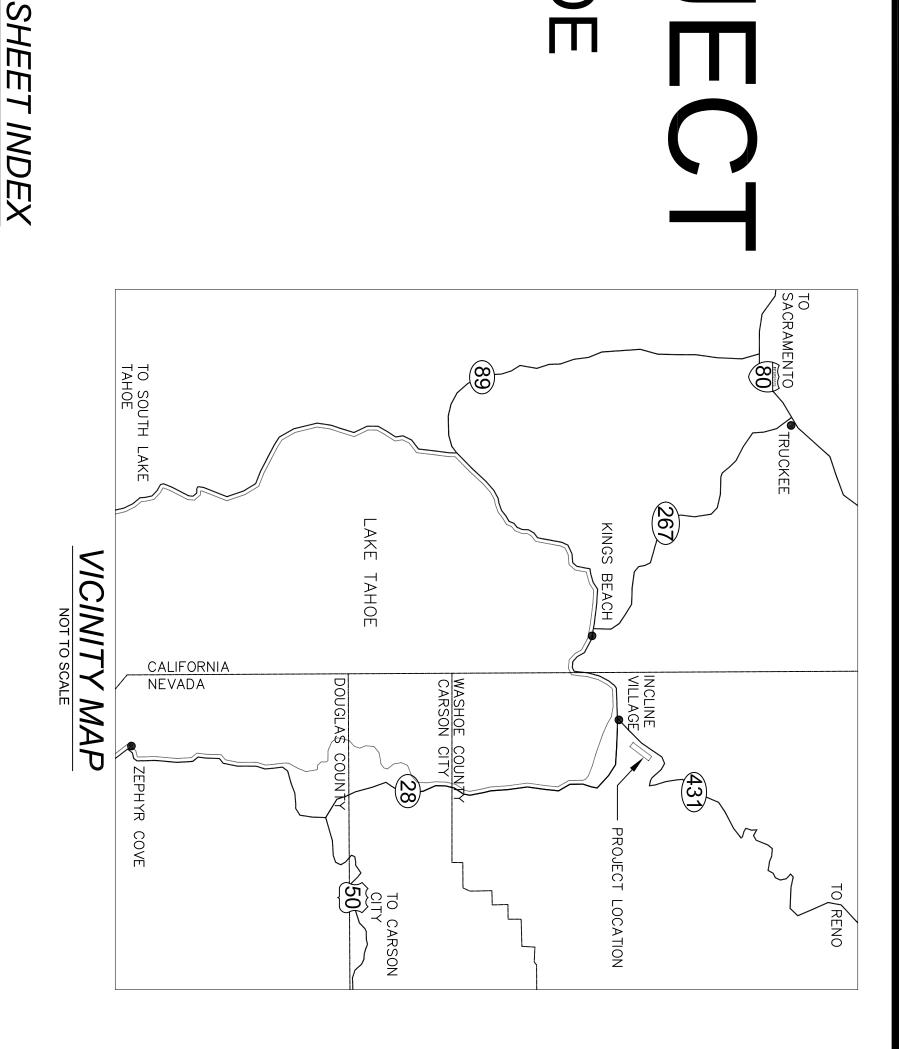


F WASHOE



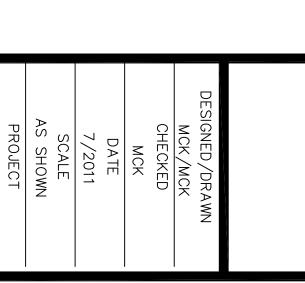


OWNER

6+32)_ 12+10)_

WASHOE COUNTY PUBLI 1001 E. NINTH STREET RENO NV 89520 (775) 328-2040 IC WORKS

ENGINEER:



TITLE HYBRID BMP PROJECT

STAGING, AND

STORAGE

SHEET NO.

AND BMP 8)_ 0 AND BMP 12 1 AND BMP 12

12)





5 7. 6 4. MOBILIZATION AREAS , CONTRACTOR SHALL E AND MAINTENANCE OF UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. WHERE EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AND ALL AFFECTED UTILITY COMPANIES TO LOCATE ALL BURIED UTILITIES AT LEAST 48 HOURS PRIOR TO EXCAVATION. THE CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR RELOCATION OF UTILITIES AS REQUIRED BY THE WORK. THE UTILITY COMPANIES FOR RELOCATION WORK AT NO COST TO THE CONTRACTOR, PROVIDED THAT NO CONTRACTOR CAUSED DAMAGE TO UTILITIES HAS OCCURRED DUE TO CONTRACTOR NEGLIGENCE. EXISTING STORM DRAIN LOCATIONS, MATERIALS AND SIZE ARE BASED ON A GROUND SURVEY AND PREVIOUS PROJECT PLAN SETS. WHENEVER CONNECTIONS TO OR CLEARANCE FROM STORM DRAIN PIPE IS REQUIRED, THE CONTRACTOR SHALL POTHOLE TO VERIFY THE LOCATION, SIZE AND MATERIAL OF THE PIPE PRIOR TO CONSTRUCTION. THE CONTRACTOR WILL PROVIDE ONE SET OF CONSTRUCTION STAKES AT NTCD'S EXPENSE. ADDITIONAL CONSTRUCTION STAKES WILL BE PROVIDED AT THE CONTRACTOR'S EXPENSE. LIMITS FOR ALL ITEMS OF WORK SHALL BE STAKED IN THE FIELD BY THE ENGINEER. THESE LIMITS AND THE RESULTING TREATMENT LENGTH/AREAS MAY VARY FROM THOSE SHOWN ON THE DRAWINGS. PAYMENT FOR ITEMS OF WORK WILL BE MADE FOR THE AMOUNT AUTHORIZED BY THESE FIELD STAKED LIMITS AND THE SPECIAL TECHNICAL PROVISIONS. ALIGNMENT STAKES OR MARKERS WILL BE PROVIDED AT FIFTY FOOT INTERVALS AND AT TRANSITION POINTS BETWEEN TREATMENTS. 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 OR SEDIMENT LOGS 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. CONTRACTOR SHALL MAINTAIN A COMPLETION, CONTRACTOR SHALL ALL IMPROVEMENTS SHALL BE ACCOMPLISHED UNDER THE APPROVAL, INSPECTION, AND TO THE SATISFACTION OF WASHOE COUNTY (THE COUNTY). IMPROVEMENT CONSTRUCTION SHALL COMPLY WITH THESE PLANS AND THE MOST RECENT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION REVISION 3 2001 (ORANGE BOOK) ADOPTED BY WASHOE COUNTY FOR CONSTRUCTION OF LOCAL STREETS AND ROADS, UNLESS NOTED OTHERWISE, ALL REFERENCES TO THE "STANDARD SPECIFICATIONS" SHALL MEAN THE MOST RECENT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (ORANGE BOOK). CONSTRUCTION NOT SPECIFIED IN THESE PLANS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR IS OBLIGATED TO BE FAMILIAR WITH APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS NOT DISCUSSED IN THE GENERAL NOTES. THE CONTRACT SPECIAL TECHNICAL PROVISIONS SHALL SUPERSEDE THOSE OF THE STANDARD SPECIFICATIONS WHERE DISCREPANCIES OCCUR. ALL EXISTING VEGETATION SHALL BE PRESERVED UNLESS SPECIFICALLY IDENTIFIED BY THE REMOVAL. BMP'S TO PROTECT VEGETATION SHALL BE INSTALLED BY THE CONTRACTOR IF TRPA. S ARE TO BE SECURED BE RESPONSIBLE FOR OF BMPS. SET OF PLANS ON SUPPLY WASHOE BY THE CONTRACTOR AND APPROVED MAINTENANCE OF MOBILIZATION SITES, SITE SHOWING "AS CONSTRUCTED" CHANGES. UPON COUNTY AND NTCD A SET OF "AS BUILT" PLANS. BY TRPA. T ENGINEER REQUIRED RAL FOR BY IF POLICE REDEPENDENTED AT AREA TO A SOMI CONI TEMP ARE/ CON! PERN PERN ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN THE TRUCKEE MEADOWS CONSTRUCTION SITE BEST MANAGEMENT PRACTICE HANDBOOK.

ABBREVIATIONS LISTED ARE USED IN THESE PLANS AGGREGATE BASE ACRE ASPHALT CONCRETE AT AT APPROXIMATE AVERAGE AVERAGE CURB AND GUTTER CABLE TELEVISION CATCH BASIN CENTERLINE CLEAR CLEAR CLEAN OUT AGGREGATE BASE IN THESE PLANS MIN. MIN. MIN. MIN. MIN. N. N. N. N. N. N. N. OC OC OC OC OC OC OH(E,	ABBREVIATIONS	PONDED WATER OCCURS IN A RAINGARDEN FOR LONGER THAN A 7 DAYTE APRIL THROUGH OCTOBER IN ANY GIVEN YEAR, THE RAINGARDEN SHDESIGNED TO CONTINUE THE FUNCTIONALITY OF THIS FACILITY SO THAT FERCEPTED WATER INFILTRATES INTO THE SOIL. WASHOE COUNTY MAY ASCONTINUE THE RAINGARDEN IN THIS EVENT.	SLURRY SEAL ON VILLAGE BLVD INSFACTION OF WASHOE COUNTY.	L FLARED END SECTIONS SHALL BE METAL.	A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AR EAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO ECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMP'S WEEKLY, FA FORECASTED RAIN EVENT AND WITHIN 24 HOURS AFTER ANY ACTUAL RAIN EVENCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS FROZEN GROUND NDITIONS OF SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO STORM WITHIN NOR OF LAND DISTURBANCE ACTIVITIES.	MPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED EAS AS SOON AS PRACTICABLE AND NO LONGER THEN 24 HOURS AFTER THE NSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS BEEN TEMPORARILY OR RMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO STORM WATER GENERARMIT NVR100000, SECTION 1.B.1b(2).	ECIFIED IN THE TRUCKEE MEADOWS CONSTRUCTION SITE BEST MANAGEMENT PRACTICE NDBOOK.
MAXIMUM DRY DENSITY MECHANICAL JOINT MILE MINIMUM MISCELLANEOUS NORTH NOT IN CONTRACT NOT IN CONTRACT NOT TO SCALE NUMBER ON CENTER ON CENTER ORIGINAL GRADE OVERHEAD ELECTRIC OR TELEPHONE LINES PLUS OR MINUS		R THAN A 7 DAY PERIOD FROM RAINGARDEN SHALL BE COUNTY MAY ALSO CHOOSE TO	ND REPAIRED TO THE		CT ALL DISTURBED AREAS, AT ARE EXPOSED TO ALL BMP'S WEEKLY, PRIOR ANY ACTUAL RAIN EVENT. AS FROZEN GROUND 3. REFER TO STORM WATER	INSTALLED ON DISTURBED HOURS AFTER THE SEEN TEMPORARILY OR TO STORM WATER GENERAL	T MANAGEMENT PRACTICE

WW

WATER METER/

VALVE

SANITARY SEWER LINE

SANITARY SEWER MANHOLE

BIOINFILTRATION

SEDIMENT ROLL

FILTER FENCE

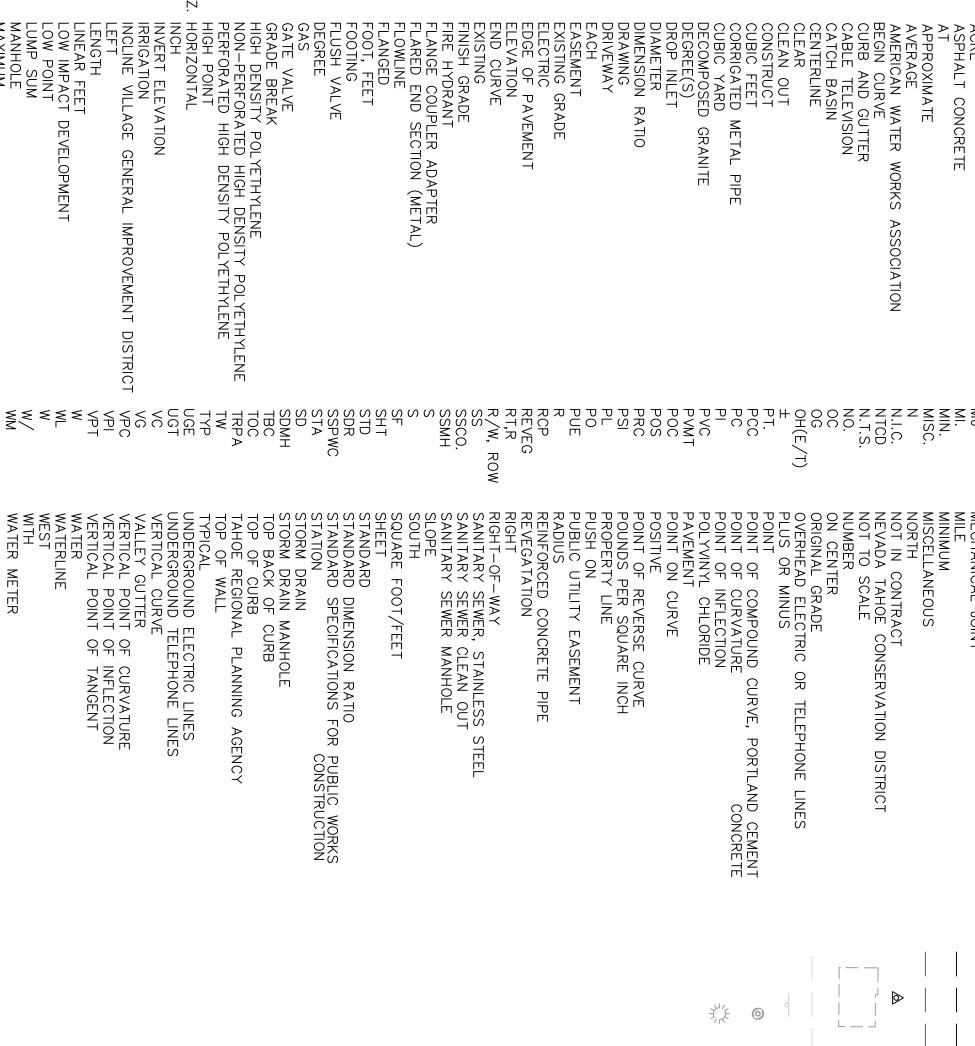
CONSTRUCTION LIMIT FENCE

CURB OUTLET

FINISHED GRADE (SECTION VIEW)

PONDING DEPTH

HDPE PIPE



9

ALL WORK SHALL BE DONE WITHIN THE COUNTY RIGHT—OF—WAY UNLESS EASEMENT OR CONSTRUCTION PERMIT HAS BEEN ACQUIRED BY THE COUNTY, IN WHICH CASE THE LIMITS OF WORK ARE AS SPECIFIED THE DRAWINGS. ANY DAMAGE DONE BY THE CONTRACTOR OR HIS SUBCONTRACTORS TO PRIVATE PROPERTY AND/OR OUTSIDE OF THE NOTED LIMITS OF WORK IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND/OR HIS SUBCONTRACTORS.

10.

THE CONTRACTOR WILL PROVIDE INITIAL EXPENSE. THE COST OF TESTING AND DEFECTIVE WORK OR MATERIAL IS THE IDEDUCTED FROM ANY MONEYS DUE OR

TESTING AND INSPECTION OF WORK AND MATERIAL AT INSPECTING THE REMOVAL AND OR REPLACEMENT OF RESPONSIBILITY OF THE CONTRACTOR. SUCH COSTS WHICH MAY BECOME DUE TO THE CONTRACTOR.

œ

ASPHALT REPLACEMENT SHALL INCORPORATE A 4% NEW ROADSIDE TREATMENT. NEW ROADSIDE FLOW NECESSARY TO GUARANTEE WATER CONTINUES TO OR BREAKOUTS.

±1% CROSS SLOPE BETWEEN THE SAWCUT AND THE CONVEYANCES SHALL INCORPORATE SUCH GRADE AS FLOW IN THE PRESENT DIRECTION, WITHOUT PONDING

12.

NOISE SHALL BE REDUCED BY THE MANDATORY USE OF MUFFLERS ON ALL CONSTRUCTION EQUIPMENT. WHERE FEASIBLE, SOLENOIDAL PAVEMENT BREAKERS WILL BE USED IN LIEU OF JACK HAMMERS. NOISE GENERATING ACTIVITIES WILL BE LIMITED TO THE HOURS OF 8:00 AM

TO MAKE UP FOR WEATHER DELAYS BE LIMITED TO THE HOURS OF 8:00

FRIDAY. SATURDAY AND SUNDAY MAY OR OTHER SCHEDULE DELAYS. NOISE AM TO 6:30 PM.

GENERATING

9

958 125 TYNER ST. 382-13 SYMBOL SECTION ON WHICH IDENTIFICATION IDENTIFICATION ON THE SAME SHEET (PRIVATE LOT)

HORIZONTAL AND VERTICAL **PROJECTION**

19.

 $\frac{1}{\infty}$

LOOSE SOIL MOUNDS OR SURFACES SHALL BE PROTECTED FROM WIND OR WATER EROSION BY BEING APPROPRIATELY COVERED WHEN CONSTRUCTION IS NOT IN ACTIVE PROGRESS OR WHEN REQUIRED BY

DURING CONSTRUCTION ENVIRONMENTAL PROTECTION DEVICES, AND VEGETATION PROTECTION DEVICES SHALL BE MAINTAINED

SUCH AS EROSION AT ALL TIMES.

DUST

<u>1</u>6.

14.

DISTURBED AREAS SHALL BE REVEGETATED WITH NATIVE SPECIES PER CTICES (BMP). EXISTING VEGETATION REMOVED DURING CONSTRUCTION REVEGETATION.

TRPA BEST MANAGEMENT SHALL BE CHIPPED AND S

VEGETATION TO REMAIN ON THE

SITE SHALL BE PROTECTED

SHALL PROVIDE A WATER TRUCK TO WATER AREAS WILL PROVIDE SWEEPING AT THE END OF EACH DAY.

AS

TO

DUST.

ON VEHICLES AND OF AIR POWERED AM TO 6:30 PM.

13.

20.

ONLY EQUIPMENT OF A SIZE AND TYPE THAT WILL DO THE LEAST AMOUNT OF SITE CONDITIONS, AND CONSIDERING THE NATURE OF THE WORK TO BE PERFORMED FROM PAVED SURFACES TO A

F VEHICLES OR HEAVY EQUIPMENT, INCLUDING CEMENT MIXERS, SHALL THE SUBJECT PROPERTY UNLESS AUTHORIZED BY TRPA IN WRITING.

ALLOWED IN

 \triangleright

STREAM

ENVIRONMENT

ZONE

EXCAVATED MATERIAL SHALL BE STORED UPGRADE FROM THE EXCAVATED MATERIAL SHALL BE STORED IN ANY STREAM ENVIRONMENT ZONE (SEZ)

AREA WHENEVER OR WET AREA.

OF DAMAGE, UNDER PREVAILING FORMED, WILL BE USED. ALL AVOID SOIL COMPACTION.

THE CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN ACCUMULATE IN, THE PUBLIC RIGHT—OF—WAYS OF WASHOE COUNTY AS A RESULT ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.

ALL SEDIMENT, MUD, I DISCHARGED TO, OR T OF CONSTRUCTION T. SUCH MATERIALS SH

CABLE TELEVISION
NATURAL GAS
ELECTRIC
STORM DRAIN
SEWER AND WATER
PHONE
USA DIGS

CHARTER COMMUNICATIONS, (775) 588-1 SOUTHWEST GAS, (877) 860-6022 NV ENERGY, (775) 834-4444 WASHOE COUNTY PUBLIC WORKS (775) 3. IVGID PUBLIC WORKS, (775) 832-1203 ATT, (800) 288-2020 (800) 642-2444 OR 811

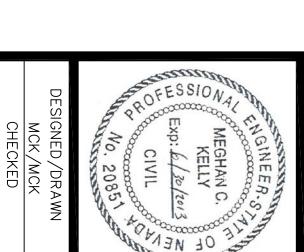
588-1077

UTILITIES

WATER METER

WATER

VERTICAL CONTROL IS NAVD 27; HORIZONTAL CONTROL IS NEVADA STATE PLANE, NAD 83, WEST ZONE (U.S. FEET)



PROJECT HYBRID BMP

AS SHOWN

7/2011 SCALE

DATE

NOTES HYBRID BMP PROJECT



BUILDING

CONTROL

POINT

EXISTING GRAD

E (SECTION VIEW)

gangana ECO-BLOCKS

(SECTION)

ECO-BLOCKS

PROJECT BOUNDARY

CURB

FIRE HYDRANT

REVEGETATION

REVEGETATION

GRASS FILTER STRIP

CURB INLET

REVEGETATION

DRY MIX

BASIN MIX

REVEGETATION - PLUGS

CONCRETE

DRAINAGE

POWER POLE

OVERHEAD ELECTRIC LINE

TREE

PRIVATE

SIGN

SPRINKLER

H

LANDSCAPE LIGHT



BASELINE ALIGNMENT (ROAD

MINOR CONTOUR

MAJOR CONTOUR

GRADING DAYLIGHT LINE

NOTE:

LEGENDS

PROVIDED ON

INDIVIDUAL PLAN SHEETS OVERRIDES THIS LEGEND

EGEND

MAJOR CONTOUR

EDGE OF PAVEMENT

FENCELINE

PROPERTY LINE

CATCH BASIN

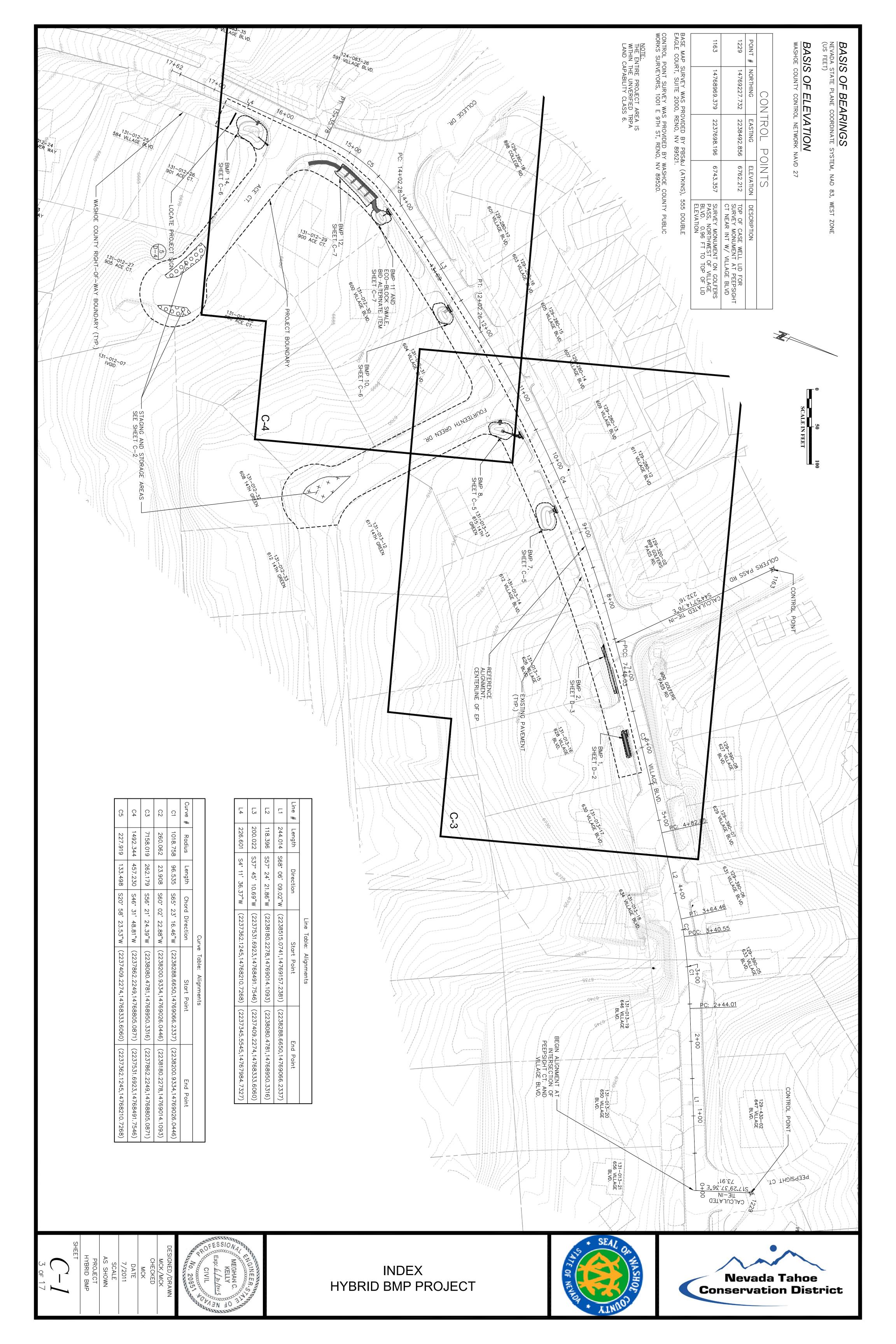
STORM DRAIN

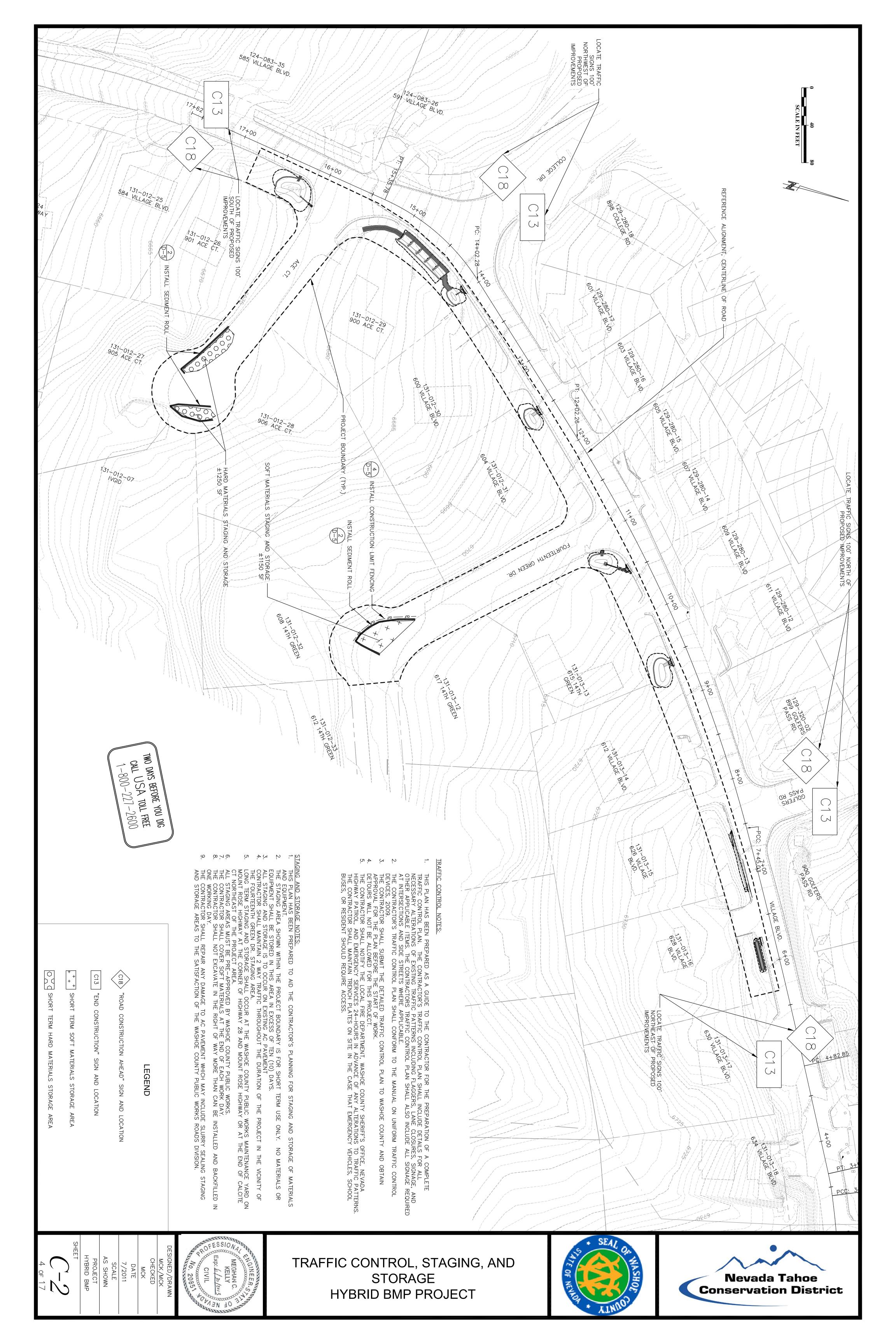
MANHOLE

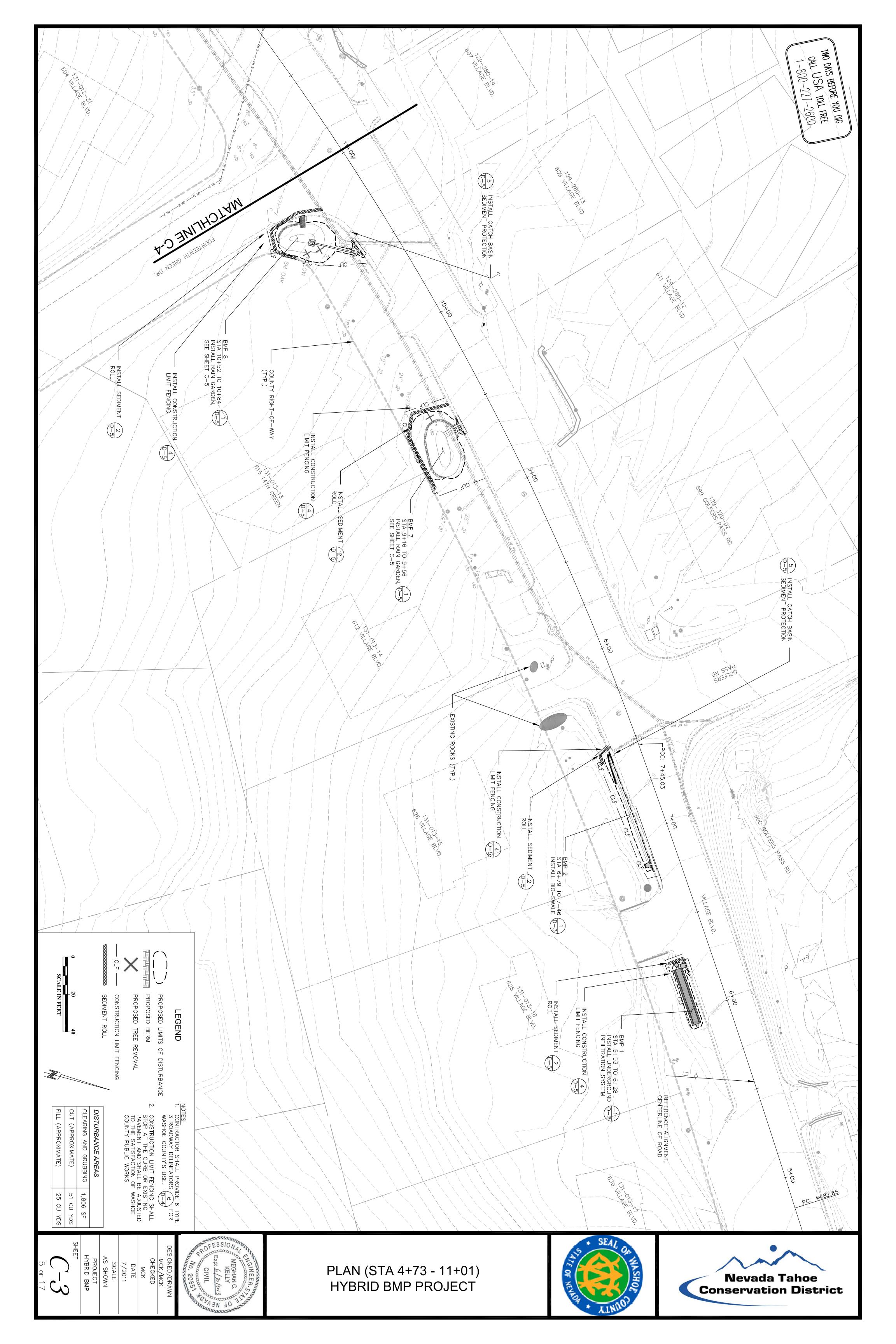
WATER LINE

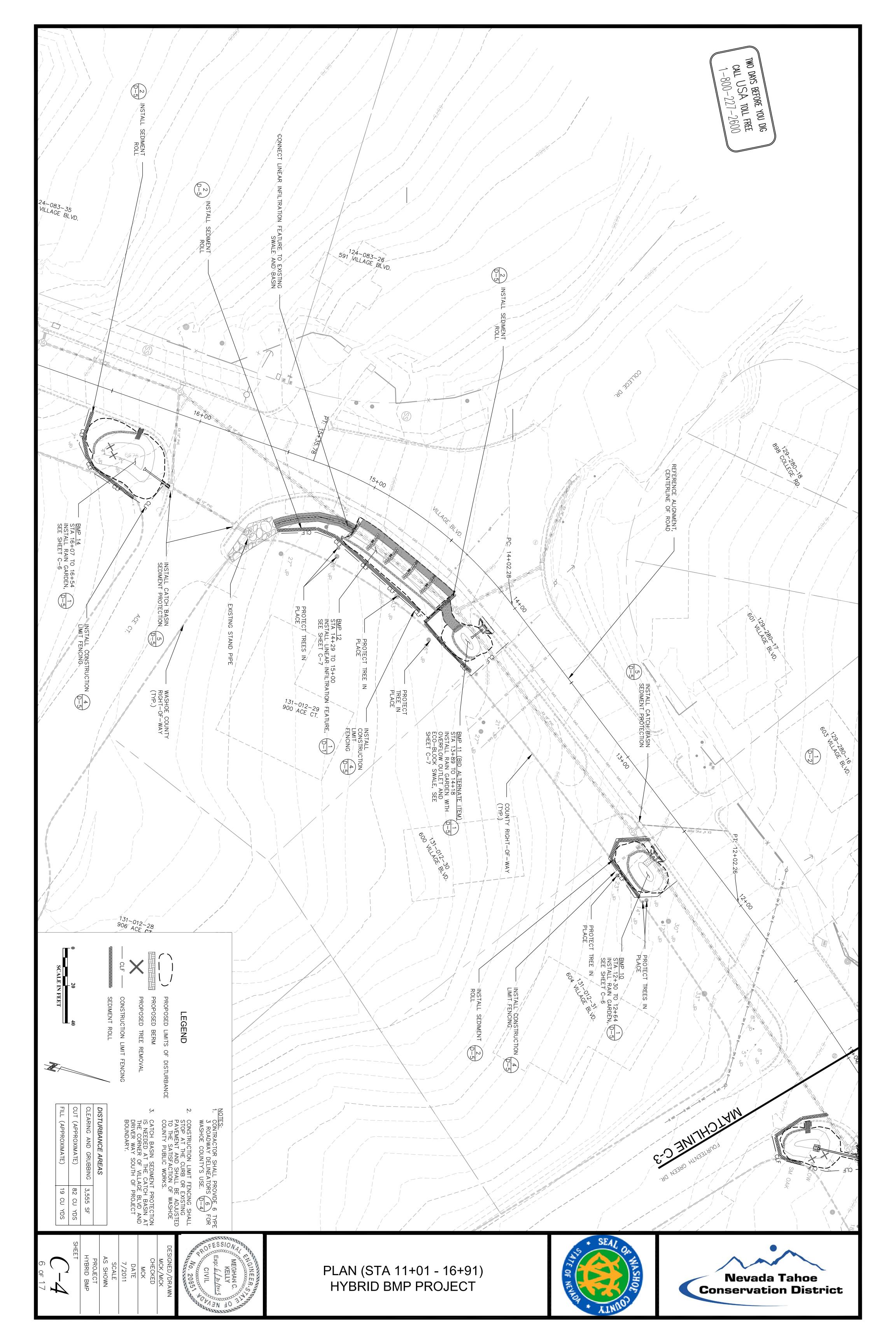
STORM DRAIN

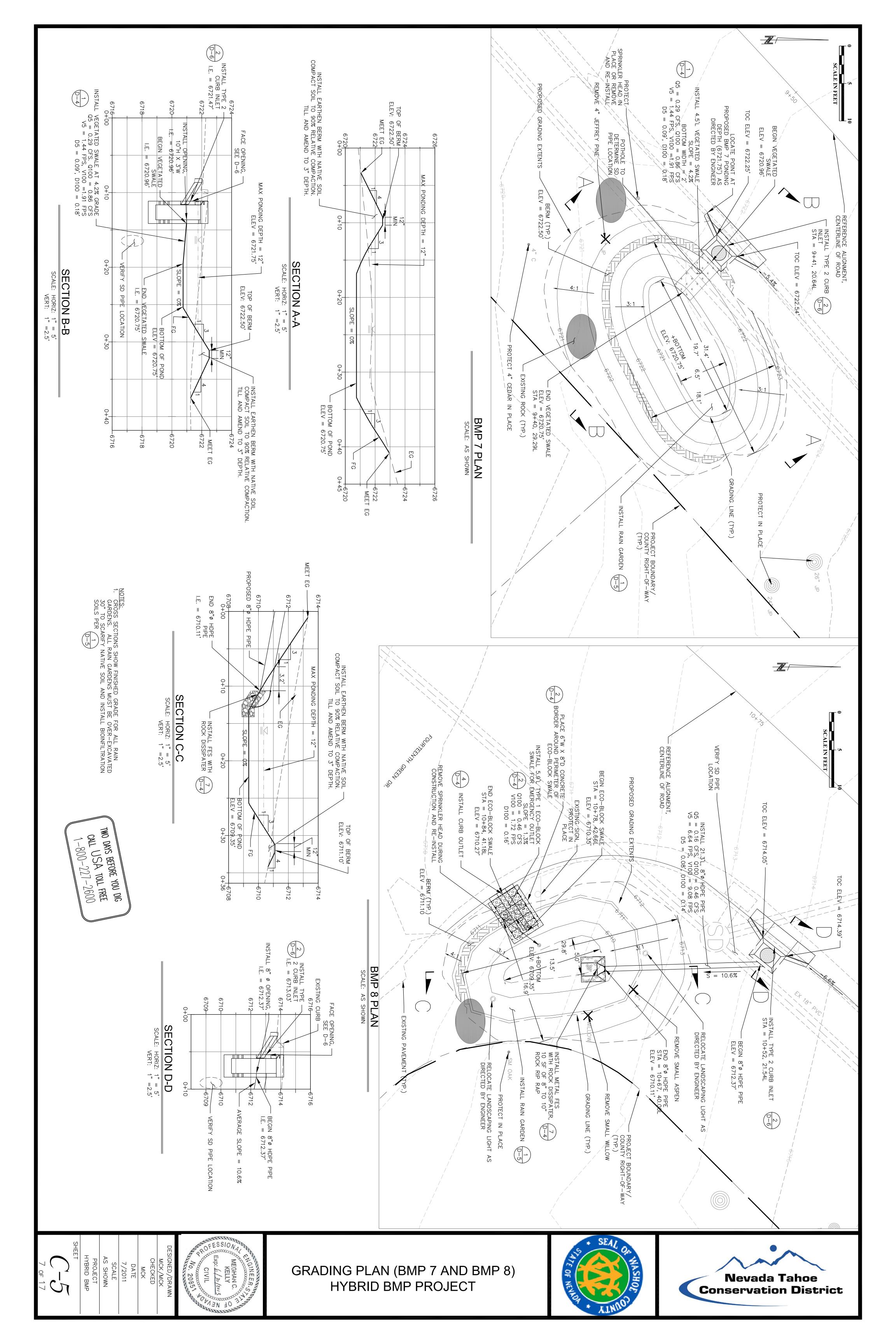
LINE

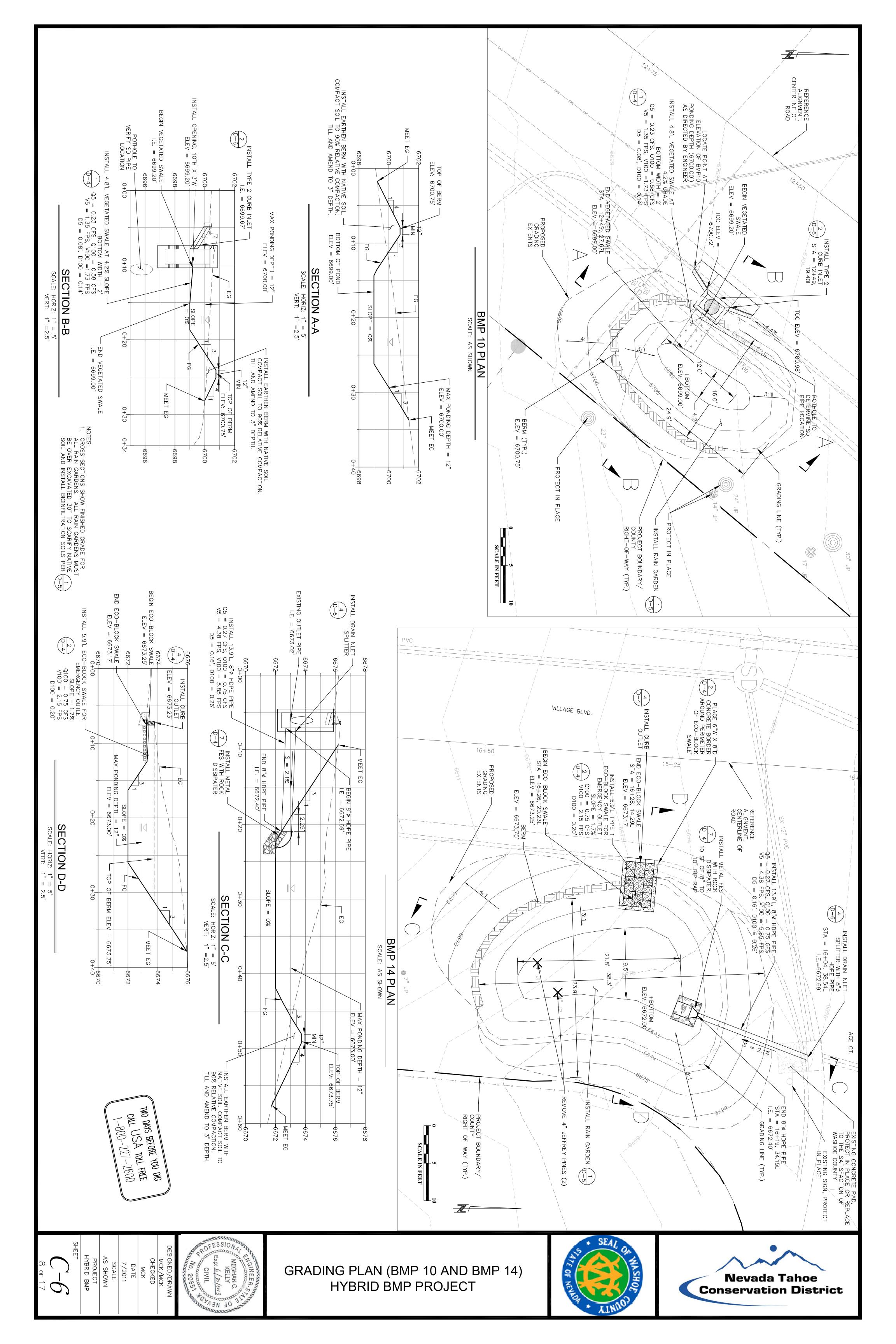


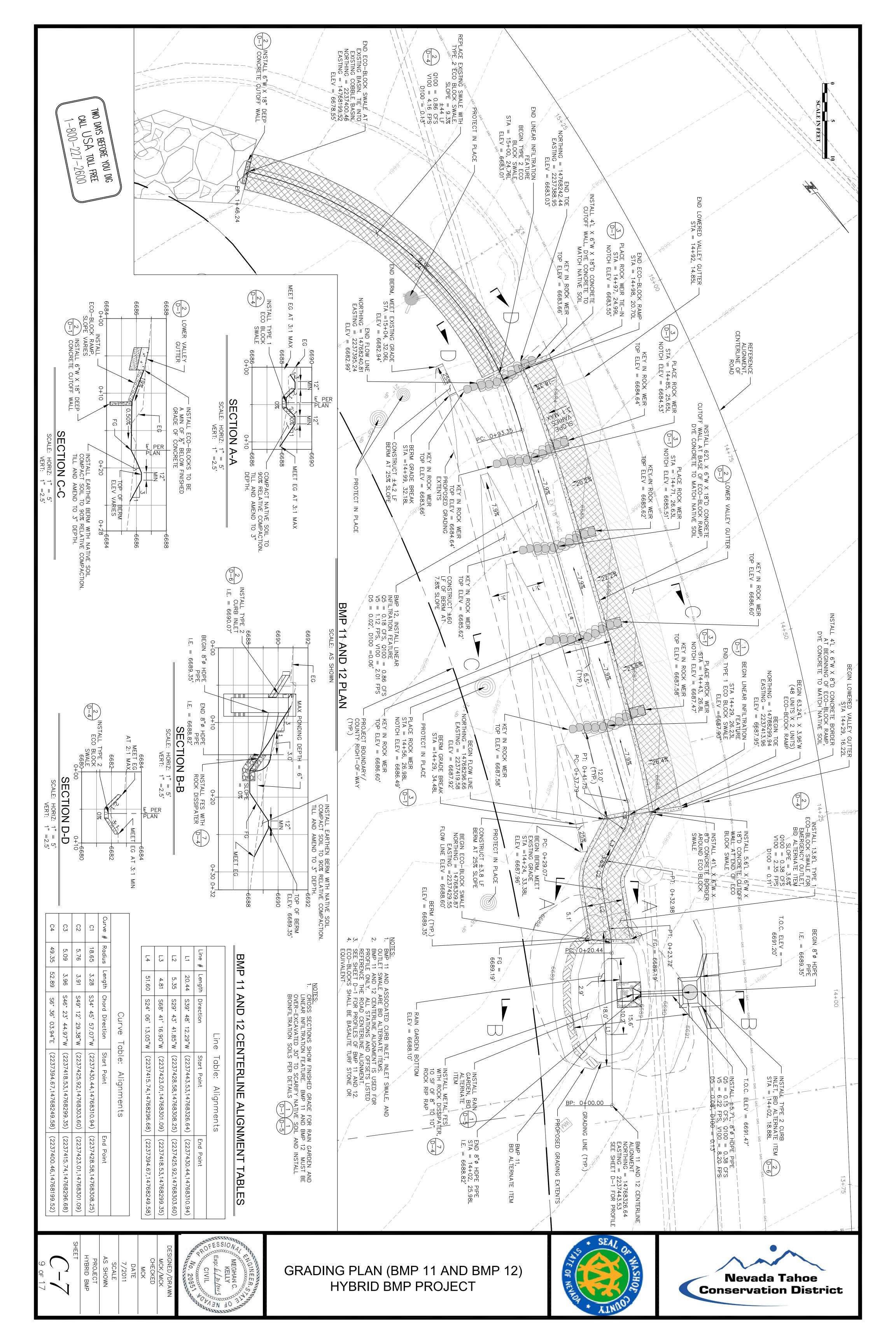


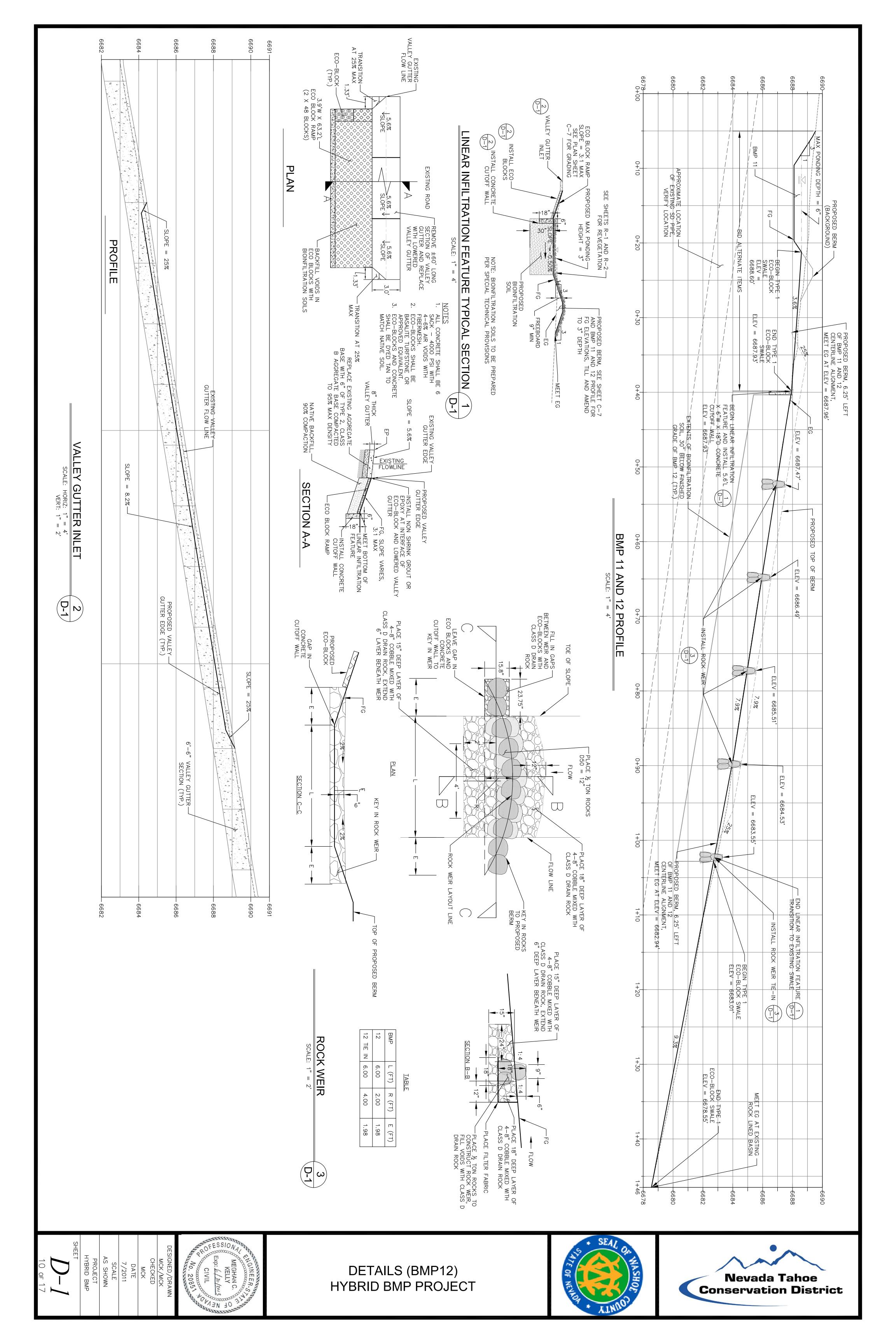


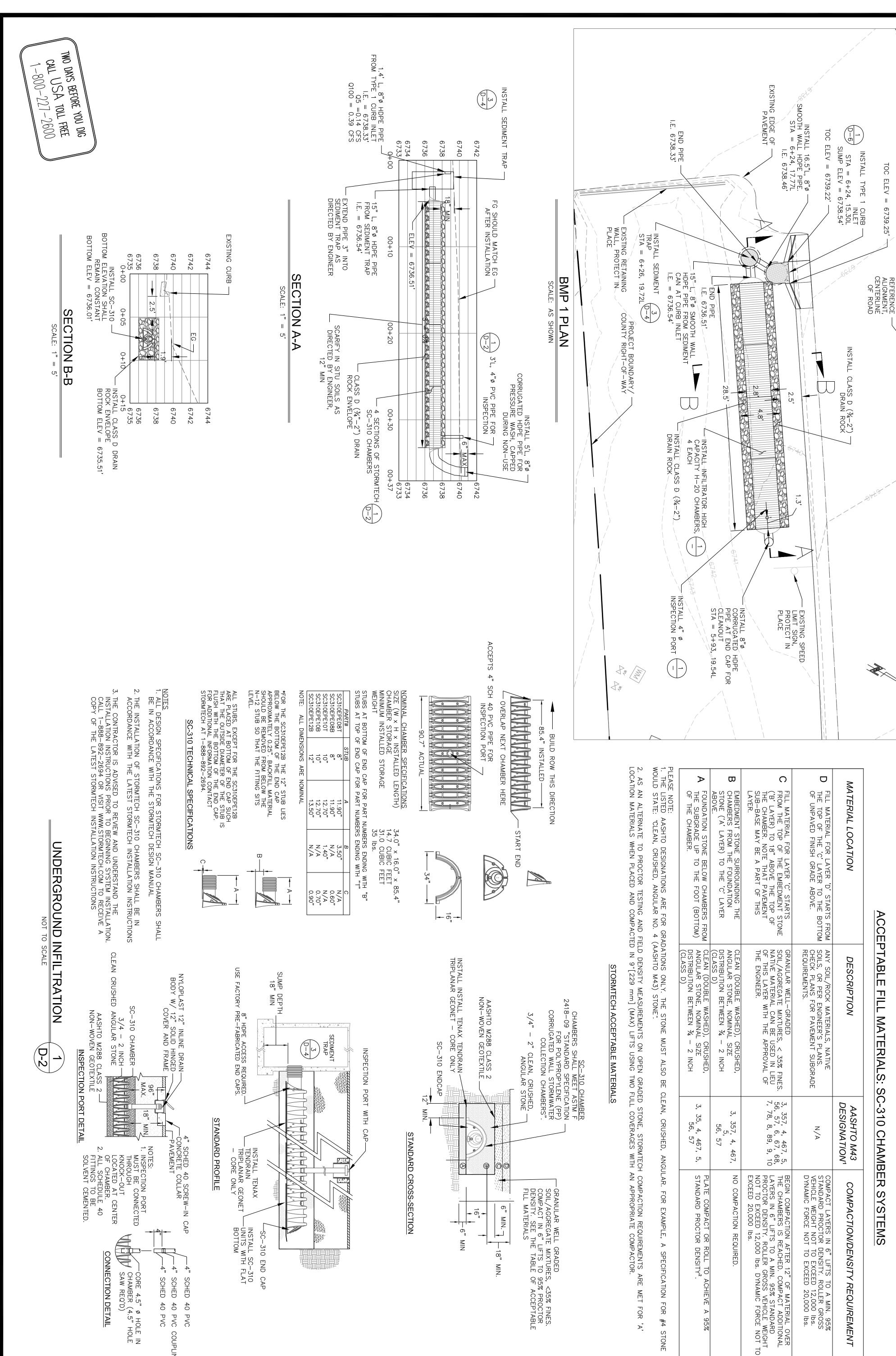


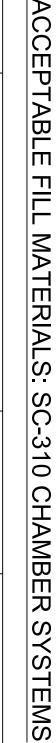












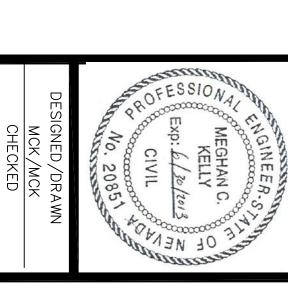
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TOC

ELEV

6739.25

6+25



40

PROJECT HYBRID BMP

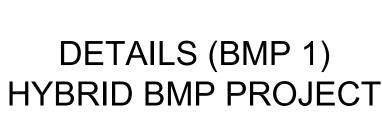
AS SHOWN

7/2011 SCALE

DATE

PVC PVC

40





MET

FOR

FOR

#4

STONE



