#### **OWNER**

COUNTY OF NEVADA 10014 NORTH BLOOMFIELD ROAD NEVADA CITY, CA 95959 (530) 470-2563 CONTACT: RON NUNNINK

#### SITE ADDRESS

12270 LA BARR MEADOWS ROAD GRASS VALLEY, CA 95949

#### PLANNING/ENINEERING

SCO PLANNING & ENGINEERING, INC. 140 LITTON DRIVE, SUITE 240 GRASS VALLEY, CA 95945 (530) 272-5841

#### CONTACT: MARTIN WOOD, P.L.S. or JASON BARNUM, P.E.

FIRE PROTECTION

CITY OF GRASS VALLEY 125 E. MAIN STREET GRASS VALLEY, CA 95945 (530) 274-4382 CONTACT: DARRIN HUTCHINS

#### WATER

NEVADA IRRIGATION DISTRICT 1036 WEST MAIN STREET GRASS VALLEY, CA 95945 (530) 273-6185 CONTACT: TRICIA PANOCK

# ASSESSOR'S PARCEL NUMBER

035-160-038-000

#### **ACREAGE**

21.48 ACRES

#### BASIS OF COORDINATES

THE BASIS OF COORDINATES FOR THIS SURVEY IS BASED UPON FOUND MONUMENTS AND IS IDENTICAL TO THAT MAP RECORDED IN BOOK 15 OF RECORDS OF SURVEY AT PAGE 40 OFFICIAL RECORDS OF NEVADA COUNTY.

## BASIS OF BEARINGS

THE BASIS OF BEARING FOR THIS SURVEY IS BASED UPON FOUND MONUMENTS AND IS IDENTICAL TO THAT MAP RECORDED IN BOOK 15 OF RECORDS OF SURVEY AT PAGE 40 OFFICIAL RECORDS OF NEVADA COUNTY.

#### **BASIS OF ELEVATIONS**

THE ELEVATIONS ARE BASED ON A FOUIND 2' ALUMINUM DISK STAMPED "NEVADA COUNTY SURVEY MON. NO. 2005, ELEVATION = 2456.89 RCE 13398 LOCATED ALONG LA BARR MEADOWS ROAD EAST OF THE ENCAPSULATION.

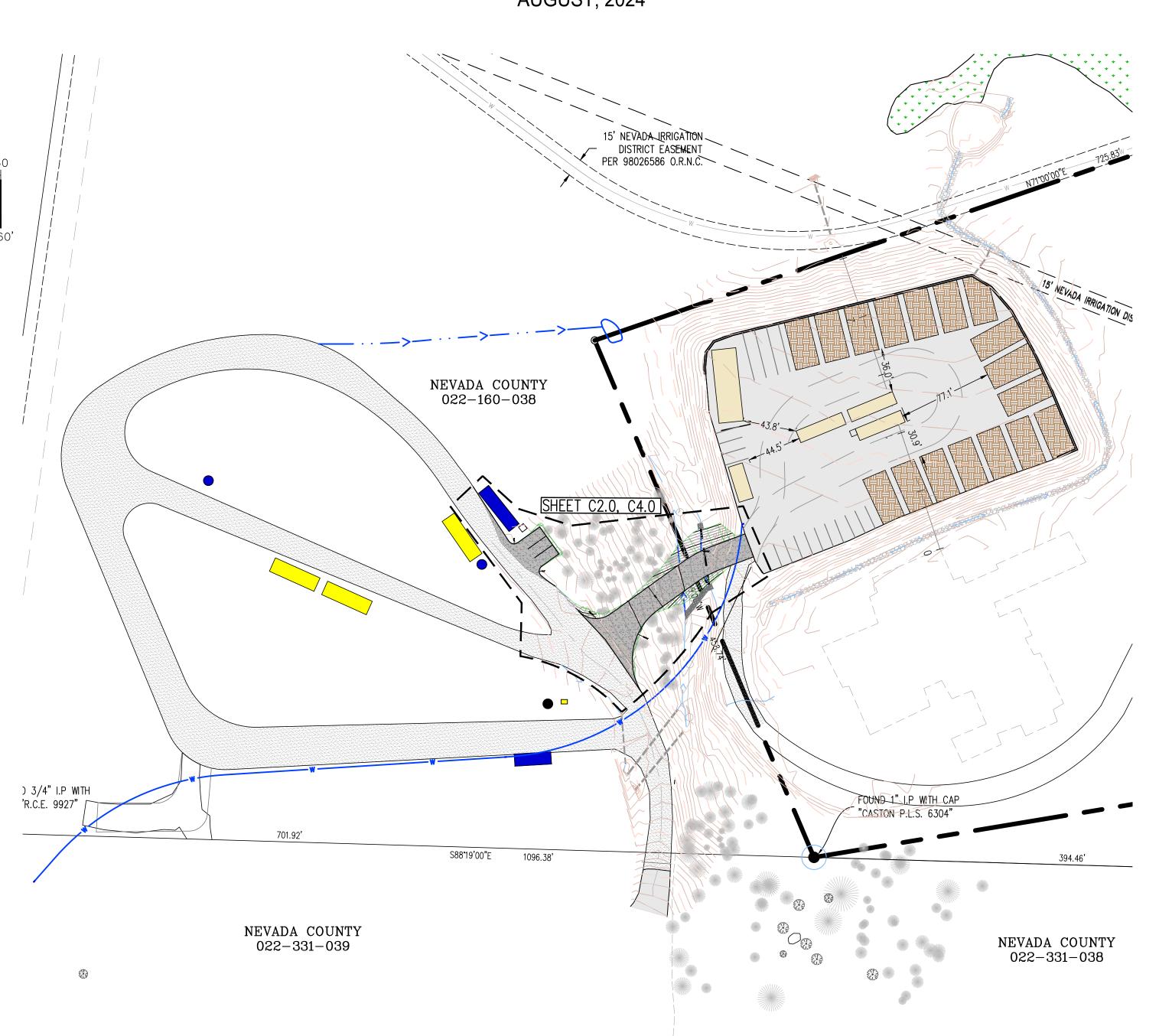
# SPECIAL INSPECTIONS REQUIRED:

1. FIELD DENSITY (COMPACTION TEST) 2. FILL MATERIAL

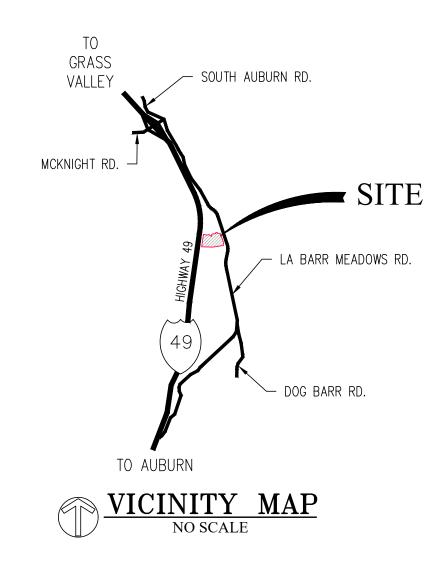
# IMPROVEMENTS PLANS

# COUNTY OF NEVADA GREEN WASTE SITE

GRASS VALLEY, CALIFORNIA AUGUST, 2024



**OVERALL SITE PLAN** 



### SHEET INDEX

COVER SHEET GENERAL NOTES TOPOGRAPHY AND DEMOLITION PLAN SITE AND UTILITY PLAN GRADING AND DRAINAGE PLAN DETAILS

**ABBREVIATIONS:** AGGREGATE BASE CONCRETE CABLE TV C.A.V. CLEAN AIR VEHICLE CORRUGATED METAL PIPE COMMUNICATION BOX CUBIC FEET DETAIL DRAIN INLET DUCTILE IRON PIPE EXISTING GROUND ELECTRICAL ELECTRIC VEHICLE **EXISTING** FINISH FLOOR FINISH GRADE FIRE HYDRANT FLOW LINE INVERT ELEVATION IRRIGATION HIGH DENSITY POLYETHYLENE LINEAR FEET MAXIMUM MINIMUM MAN HOLE PAVEMENT POLYETHYLENE STORM DRAIN STORM DRAIN MANHOLE SANITARY SEWER SANITARY SEWER MANHOLE STANDARD TOP OF CURB

> TYPICAL WATER WATER VALVE

WATER SURFACE ELEVATION

ENGINEERING	DIVISION	
CITY OF GRA	SS VA	LLEY
GRADING AND IMPROVI	EMENT PLANS	S FOR
COUNTY OF	NEVADA	
PROJECT ENGINEER:	JASON BAI	RNUM
ACCEPTED BY:		
		75378
CITY ENGINEER	DATE	RCE NUMBER

24GP-0XXX

PROJECT NUMBER

SHEET **1** OF 6 DRAWING NUMBER:

(530) 272-5841 TRUCKEE (530) 582-4043



#### **GENERAL NOTES:**

1. UNLESS OTHERWISE NOTED, ALL CONSTRUCTION IS ON LANDS OF THE OWNER OF **TYPE IN ADDRESS**, IN EASEMENTS OBTAINED FROM THE CITY OR PUBLIC AGENCIES. THE CONTRACTOR SHALL OBTAIN THE REQUIRED ENCROACHMENT PERMITS FROM THE APPROPRIATE PUBLIC AGENCIES. WHERE WORK IS LOCATED IN EASEMENTS, TRAVERSING LANDS OTHER THAN THOSE OF THE CITY, THE CONTRACTOR SHALL MAKE ALL APPROPRIATE NOTIFICATIONS AND CONFINE HIS/HER OPERATIONS WITHIN THE EASEMENT BOUNDARIES.

2. THE LOCATIONS OF ALL UNDERGROUND FACILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL UNDERGROUND FACILITIES. HOWEVER, THE DESIGN ENGINEER ASSUMES NO LIABILITY FOR THE ACCURACY OF COMPLETENESS OF THE EXISTING FACILITIES SHOWN HEREON OR FOR THE EXISTENCE OF OTHER UNDERGROUND UTILITIES NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING FACILITIES AND IMMEDIATELY NOTIFY THE DESIGN ENGINEER IF ANY SUCH FACILITIES INTERFERE WITH THE CONSTRUCTION OF IMPROVEMENTS. IF SO DIRECTED BY THE DESIGN ENGINEER, THE CONTRACTOR SHALL STOP WORK IMMEDIATELY UNTIL REMEDIAL ACTION CAN BE TAKEN. ANY COST RESULTING FROM THE CONTRACTORS FAILURE TO REPORT FAILURE TO STOP WORK AS DIRECTED, WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

3. THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING FACILITIES SUFFICIENT AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF THE LOCATION OF EXISTING UTILITIES.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF EXISTING PUBLIC AND PRIVATE IMPROVEMENT. ANY DAMAGED IMPROVEMENTS SHALL BE REPLACED BY THE CONTRACTOR TO EQUAL OR BETTER THAN PRE-PROJECT CONDITIONS INCLUDING BUT NOT LIMITED TO ROADWAYS, DRAINAGE STRUCTURES, DRIVEWAYS, AND UTILITIES.

5. INCLUDE ANY NECESSARY SIGNAGE FOR CAL TRANS. SIGNAGE FOR LARGE TRUCKS ENTERING & LEAVING SITE, INCLUDING FLASHING LIGHTS IF REQUIRED.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL CURRENTLY APPLICABLE SAFETY LAWS AND REGULATIONS OF ANY JURISDICTIONAL BODY. FOR INFORMATION CONTACT THE STATE INDUSTRIAL SAFETY DEPARTMENT.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL SURVEY MONUMENTS AND MARKERS DURING CONSTRUCTION. ALL SUCH MONUMENTS DESTROYED BY THE CONTRACTOR SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

8. PRIOR TO ANY CORRECTIVE ACTION BY THE CONTRACTOR WHICH IS NECESSARY DUE TO STAKING ERRORS, THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER FOR VERIFICATION AND RESTAKING.

9. WHEN THE CONTRACTOR'S OPERATIONS TEMPORARILY INTERFERE WITH THE EXISTING FLOW OF SEWAGE, WATER, GAS, ELECTRICITY, TELEPHONE COMMUNICATION, OR THE OPERATION OF ANY OTHER FACILITY, THE CONTRACTOR SHALL CONTACT THE APPROPRIATE AGENCY/UTILITY AT LEAST THREE (3) DAYS PRIOR TO THE INTERFERENCE, AND PROVIDE. OR MAKE ARRANGEMENTS FOR SATISFACTORY BYPASS FACILITIES.

10. THE CONTRACTOR SHALL REQUEST PERMISSION TO INTERFERE WITH SAID UTILITIES BY APPLYING TO THE RELATED UTILITY AND SHALL COMPLY WITH THEIR RECOMMENDATIONS AND ORDINANCES IN EACH CASE. SAID BYPASS FACILITIES SHALL BE SO CONSTRUCTED AS TO PROVIDE A NON-INTERRUPTIVE SERVICE OF SAID UTILITY.

11. IF BYPASS FACILITIES ARE NOT FEASIBLE OR REASONABLE, AS DETERMINED BY THE ENGINEER, THE RESIDENTS AND/OR OWNERS OF ALL PROPERTIES AFFECTED BY A TEMPORARY INTERRUPTION (LESS THAN 8 HOURS) MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO THE INTERRUPTION BY THE CONTRACTOR.

12. ALL INSTALLATIONS SHALL FOLLOW MANUFACTURERS RECOMMENDATIONS AND GUIDELINES UNLESS OTHERWISE NOTED ON THE PLANS. MANUFACTURERS INSTALLATION GUIDELINES SHALL BE ON CONSTRUCTION SITE AT ALL TIMES.

13. DURING THE PROGRESS OF THE WORK, THE CONTRACTOR SHALL KEEP THE ENTIRE JOB SITE IN A CLEAN AND ORDERLY CONDITION. EXCESS UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE JOB SITE. SPILLAGE RESULTING FROM CONTRACTOR'S ACTIVITY SHALL BE REMOVED BY THE CONTRACTOR. ALL GUTTERS AND ROADSIDE DITCHES SHALL BE KEPT FREE AND CLEAR FROM OBSTRUCTIONS. ANY DEVIATION FROM THE ABOVE PRACTICE SHALL HAVE PRIOR WRITTEN APPROVAL FROM THE ENGINEER.

14. THE CONTRACTOR SHALL PROVIDE ONE COMPLETE SET OF AS-BUILT CHANGES. THE CHANGES SHALL BE PLACED ON A CLEAN SET OF BLUELINE DRAWINGS IN RED AND GIVEN TO THE DESIGN ENGINEER AT JOB COMPLETION.

15. THE CONTRACTOR SHALL AT HIS OWN EXPENSE, PROVIDE ALL PERMITS, CERTIFICATES AND LICENSES REQUIRED BY LAW.

16. WHEN TRANSPORTING ANY MATERIAL DURING CONSTRUCTION, CARE SHOULD BE TAKEN TO PREVENT MATERIAL FROM BLOWING OR SPILLING ONTO STREETS AND HIGHWAYS. EARTHEN MATERIAL, IF TRANSPORTED, SHALL BE ADEQUATELY SPRAYED WITH WATER PRIOR TO TRANSPORT ONTO PUBLIC ROADS. VEGETATIVE MATERIAL SHALL BE COVERED OR TARPED PRIOR TO TRANSPORT.

17. INERT WASTE SUCH AS CONCRETE SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF AT THE CONTRACTOR'S EXPENSE.

18. TOXIC WASTE (PETROLEUM AND OTHER CHEMICAL PRODUCTS), IF ENCOUNTERED, SHALL BE IDENTIFIED, SEPARATED AND DELIVERED TO THE PROPER LANDFILL AREA.

19. THE CONTRACTOR SHALL CHIP OR HAUL TO AN APPROVED DUMP SITE OR LANDFILL, ALL CLEARED VEGETATION.

20. ALL AREAS WITH VEHICLE TRAFFIC SHALL BE WATERED OR HAVE DUST PALLIATIVE APPLIED AS NECESSARY FOR REGULAR STABILIZATION OF DUST EMISSIONS.

21. SHOP DRAWINGS — THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AS MAY BE NECESSARY FOR THE PROSECUTION OF THE WORK, AS REQUIRED BY THESE NOTES.
THE ENGINEER SHALL PROMPTLY REVIEW ALL SHOP DRAWINGS. THE ENGINEER'S REVIEW OF ANY SHOP DRAWING SHALL NOT RELEASE THE CONTRACTOR FROM RESPONSIBILITY FOR DEVIATIONS FROM THE CONTRACT DOCUMENTS.

22. MATERIALS, SERVICES AND FACILITIES — MATERIALS AND EQUIPMENT SHALL BE SO STORED AS TO INSURE THE PRESERVATION OF THEIR QUALITY AND FITNESS FOR THE WORK. STORED MATERIALS AND EQUIPMENT TO BE INCORPORATED IN THE WORK SHALL BE LOCATED SO AS TO FACILITATE PROMPT INSPECTION.

23. ALL MATERIAL SHALL BE UNLOADED, STORED, LOWERED INTO THE TRENCH AND JOINED, USING SUITABLE TOOLS AND EQUIPMENT AND IN A MANNER THAT WILL PREVENT DAMAGE TO THE MATERIAL, JOINTS, COATING, OR LINING. STORAGE AND HANDLING SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

24. DAMAGED MATERIAL WILL BE REJECTED. THE CONTRACTOR SHALL CLEARLY MARK THE REJECTED MATERIAL AND REMOVE IT FROM THE IMMEDIATE CONSTRUCTION AREA. WHEN APPROVED BY THE ENGINEER, DAMAGED MATERIAL MAY BE REPAIRED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION AND USED IN THE CONSTRUCTION. REPLACEMENT OR REPAIR OF REJECTED MATERIAL SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND AT NO EXPENSE TO THE OWNER.

25. INSPECTION AND TESTING — ALL MATERIALS MAY BE INSPECTED, SAMPLED AND TESTED BY THE OWNER THE CONTRACTOR SHALL GIVE SUFFICIENT ADVANCE NOTICE OF PLACING OF ORDER TO PERMIT TESTS TO BE COMPLETED BEFORE THE MATERIALS ARE INCORPORATED IN THE WORK AND HE SHALL AFFORD SUCH FACILITIES AS THE OWNER MAY REQUIRE FOR COLLECTING AND MAKING INSPECTIONS. ALL SAMPLES SHALL BE FURNISHED BY THE CONTRACTOR WITHOUT COST TO THE OWNER. THE OWNER MAY WAVE SAMPLING AND TESTING IF ADEQUATE INFORMATION, PROPERLY CERTIFIED, IS AVAILABLE TO INDICATE THAT MATERIALS COMPLY WITH TERMS OF THE SPECIFICATIONS.

26. THE CONTRACTOR SHALL FURNISH THE OWNER WITH EVERY REASONABLE FACILITY FOR ASCERTAINING WHETHER OR NOT THE WORK AS PERFORMED IS IN ACCORDANCE WITH THE REQUIREMENTS AND INTENT OF THE CONTRACT. IF THE OWNER REQUESTS IT, THE CONTRACTOR AT ANY TIME BEFORE ACCEPTANCE OF THE WORK SHALL REMOVE OR UNCOVER SUCH PORTIONS OF THE FINISHED WORK AS MAY BE DIRECTED. AFTER EXAMINATION, THE CONTRACTOR SHALL RESTORE SAID PORTIONS OF THE WORK TO THE STANDARDS REQUIRED BY THE CONTRACT DOCUMENTS AND SPECIFICATIONS.

27. CONTRACTOR WILL BE REQUIRED TO MEET ALL CEQUA REQUIREMENTS APPERTAINING TO THE CEQUA PERMIT FOR THIS PROJECT.

28. WATER AND POLLUTION — THE CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR COMPLIANCE WITH ALL LOCAL, COUNTY, STATE, AND FEDERAL REGULATIONS PERTAINING TO WATER POLLUTION AND SOIL EROSION INCLUDING THE PAYMENT OF ANY FINES OR PENALTIES IMPOSED BY ANY GOVERNMENT AGENCY AS A RESULT OF WORK PERFORMED BY THE CONTRACTOR.

29. THE CONTRACTOR SHALL COMPLY WITH ALL AIR POLLUTION CONTROL RULES, REGULATIONS, ORDINANCES AND STATUTES WHICH APPLY TO THE WORK AREA. NORTHERN SIERRA AIR QUALITY MANAGEMENT DISTRICT CAN BE CONTACTED AT TELEPHONE 530-274-9360..

30. CONSTRUCTION SAFETY — THE CONTRACTOR SHALL FOLLOW CONSTRUCTION PROCEDURES NECESSARY TO PROVIDE A SAFE WORKING CONDITION THROUGH ALL PHASES OF THE PROJECT. SAID PROCEDURES SHALL CONFORM TO THE SAFETY ORDERS, DIVISION OF INDUSTRIAL SAFETY, TITLE 8, CALIFORNIA ADMINISTRATIVE CODE AND ALL OTHER PROVISIONS REQUIRED BY FEDERAL, STATE AND COUNTY LAW OR ORDINANCE.

31. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR OUTLINING THE SAFETY PROCEDURES TO BE FOLLOWED BY ITS WORKMEN, ALL SUBCONTRACTORS, AND RELATED TRADES WORKING ON ITS JOBS AND EFFECTIVELY ASSURING COMPLIANCE WITH SUCH PROCEDURES. IT SHALL ALWAYS PROVIDE FOR THE SAFETY OF THE PUBLIC BOTH DAY AND NIGHT WHERE THEY ARE EXPOSED TO ITS CONSTRUCTION OPERATION.

32. PROJECT CLEANUP AND FINISHING — THE CONTRACTOR SHALL REMOVE FROM THE VICINITY OF THE COMPLETED WORK ALL RUBBISH, UNUSED MATERIAL, FORMS, CONSTRUCTION STAKES, ETC. BELONGING TO HIM OR USED UNDER HIS DIRECTION DURING CONSTRUCTION. THE WORK SHALL BE LEFT IN A NEAT AND PRESENTABLE MANNER AT ALL TIMES INSOFAR AS CONSTRUCTION CONDITIONS PERMIT. AS PORTIONS OF THE WORK ARE COMPLETED, THE CONTRACTOR SHALL CLEAN THE INDIVIDUAL SITES.

33. TOUCHUP AND REPAIR — THE CONTRACTOR SHALL TOUCHUP OR REPAIR ALL FINISHED SURFACES ON STRUCTURES, EQUIPMENT, FIXTURES, OR WHATEVER, THAT HAVE BEEN DAMAGED PRIOR TO FINAL ACCEPTANCE. SURFACE ON WHICH SUCH TOUCHUP OR REPAIR CANNOT BE SUCCESSFULLY ACCOMPLISHED SHALL BE COMPLETELY REFINISHED OR IN THE CASE OF HARDWARE AND SIMILAR SMALL ITEMS. THE ITEMS SHALL BE REPLACED.

34. CEMENT MATERIALS — PORTLAND CEMENT SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR TYPE "II" PORTLAND CEMENT OF THE AMERICAN SOCIETY FOR TESTING MATERIALS. ALL CEMENT SHALL BE OF THE SAME BRAND.

35. CONCRETE: INCLUDE 3000 PSI/6 SACK AT ADA PARKING & WALKWAYS FOR LONGEVITY - DESIGN SPECIFICATION = 2500 PSI

36. UNLESS OTHERWISE SPECIFIED HEREIN, CEMENT GROUT OR MORTAR SHALL BE COMPOSED OF ONE PART CEMENT TO TWO PARTS FINE AGGREGATE MIXED WITH WATER IN A MECHANICAL BATCH MIXER TO PRODUCE A PLASTIC WORKABLE MIXTURE.

37. STEEL REINFORCEMENT — THE CONTRACTOR SHALL FURNISH AND PLACE ALL STEEL REINFORCEMENT OF THE SIZES AND SHAPES AS SHOWN ON THE PLANS OR SPECIFIED HEREIN. MATERIAL AND PLACEMENT SHALL CONFORM TO REQUIREMENTS OF SECTION 52 OF STANDARD SPECIFICATIONS. STEEL SHALL BE A.S.T.M. A615, GRADE 40 UNLESS CALLED OUT OTHERWISE ON THE DRAWINGS.

38. FORM AND FORMWORK — THE FORMS SHALL BE SMOOTH, MORTARTIGHT, TRUE TO THE REQUIRED LINES AND GRADES, AND OF SUFFICIENT STRENGTH TO SUPPORT THE WEIGHT OF THE FRESH CONCRETE WITHOUT SPRINGING OUT OF SHAPE OR APPRECIABLE DEFLECTION DURING THE PLACING OF THE CONCRETE. ALL EXPOSED SHARP EDGES SHALL BE CHAMFERED WITH TRIANGULAR FILLETS NOT LESS THAT 0.75" BY 0.75", UNLESS OTHERWISE SHOWN ON THE PLANS. FORMS PREVIOUSLY USED SHALL BE THOROUGHLY CLEANED OF ALL DIRT, MORTAR AND FOREIGN MATTER BEFORE BEING REUSED.

THOROUGHLY CLEANED OF ALL DIRT, MORTAR AND FOREIGN MATTER BEFORE BEING REUSED.

39. INSERTS — THE CONTRACTOR SHALL, BEFORE PLACING CONCRETE, MAKE PROVISION FOR ALL CORED HOLES, HANGERS, ANCHOR AND OTHER BOLTS, CONDUITS, PIPES, WATER SEALS AND OTHER INSERTS TO BE PLACED IN THE CONCRETE. HE SHALL VERIFY THE LOCATIONS AND DETAILS OF ALL SUCH WORK AND SHALL PREVENT THE

40. IF ANY EXISTING FACILITIES ARE DAMAGED DURING CONSTRUCTION, THE CONTRACTOR/DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR AT NO COST TO THE OWNER.

41. THAT PRIOR TO ANY WORK BEING CONDUCTED WITHIN THE STATE, COUNTY OR CITY RIGHT OF WAY, THE CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE APPROPRIATE AGENCY.

42. ALTERNATIVES TO DIESEL GENERATOR SETS (SUCH AS GRID POWER) SHALL BE USED FOR ON—SITE ELECTRICAL NEEDS DURING CONSTRUCTION, UNLESS DEEMED INFEASIBLE BY THE AIR POLLUTION CONTROL OFFICER AND STATED IN WRITING.

43. IF GRADING OR OTHER CONSTRUCTION OPERATIONS UNEARTH ARCHEOLOGICAL OR HISTORICAL ARTIFACTS OF RESOURCES, CONSTRUCTION ACTIVITIES SHALL CEASE WITHIN A 200-FOOT RADIUS OF THE DISCOVERY. THE PLANNING DEPARTMENT SHALL BE NOTIFIED OF THE EXTENT AND LOCATION OF DISCOVERED MATERIALS SO THAT THEY MAY BE RECORDED BY A QUALIFIED ARCHAEOLOGIST. DISPOSITION OF ARTIFACTS SHALL COMPLY WITH STATE AND FEDERAL LAWS.

44. PRIOR TO FINAL PREPARATION OF THE SUBGRADE AND PLACEMENT OF PAVEMENT BASE MATERIALS, ALL UNDERGROUND UTILITIES SHALL BE INSTALLED AND SERVICE CONNECTIONS STUBBED OUT BEHIND THE HARDSCAPE IMPROVEMENT. PUBLIC UTILITIES, CABLE TV, SANITARY SEWERS, AND WATER LINES, SHALL BE INSTALLED IN A MANNER WHICH WILL NOT DISTURB THE STREET PAVEMENT. CURB. GUTTER AND SIDEWALK. WHEN FUTURE SERVICE CONNECTIONS OR EXTENSIONS ARE MADE.

45. IF GRADING IS TO TAKE PLACE BETWEEN OCTOBER 15 AND APRIL 15, BOTH TEMPORARY AND PERMANENT EROSION CONTROL PLANS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL ALONG WITH THE GRADING PLAN. PERMANENT EROSION CONTROL MEASURES SHALL INCLUDE TREATMENT ALL GRADED SLOPES WITHIN 60 DAYS OF COMPLETION OF GRADING. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO OCTOBER 15.

46. WHERE SOIL OR GEOLOGIC CONDITIONS ENCOUNTERED DURING GRADING OPERATIONS ARE DIFFERENT FROM THAT ANTICIPATED IN THE SOIL AND/OR GEOLOGIC INVESTIGATION REPORT, OR WHERE SUCH CONDITIONS WARRANT CHANGES TO RECOMMENDATIONS CONTAINED IN THE ORIGINAL SOIL INVESTIGATION, A REVISED SOIL OR GEOLOGIC REPORT SHALL BE SUBMITTED BY THE CONTRACTOR, FOR APPROVAL BY THE OWNERS REPRESENTATIVE. IT SHALL BE ACCOMPANIED BY AN ENGINEERING AND GEOLOGICAL OPINION AS TO SAFETY OF THE SITE FROM HAZARDS OF LAND SLIPPAGE, EROSION, SETTLEMENT, AND SEISMIC ACTIVITY.

47. IF HUMAN REMAINS OF ANY KIND ARE FOUND DURING CONSTRUCTION, ALL ACTIVITIES SHALL CEASE IMMEDIATELY, AND THE NEVADA COUNTY CORONER BE NOTIFIED AS REQUIRED BY STATE LAW. IF THE CORONER DETERMINES THE REMAINS TO BE OF NATIVE AMERICAN ORIGIN, HE/SHE SHALL NOTIFY THE NATIVE AMERICAN HERITAGE COMMISSION (NAHC). THE NAHC SHALL THEN IDENTIFY THE MOST LIKELY DESCENDANT(S) (MLD) TO BE CONSULTED REGARDING TREATMENT AND/OR REBURIAL OF THE REMAINS. IF AN MLD CANNOT BE IDENTIFIED, OR THE MLD FAILS TO MAKE A RECOMMENDATION REGARDING THE TREATMENT OF THE REMAINS WITHIN 48 HOURS AFTER GAINING ACCESS TO THE REMAINS, THE CITY SHALL REBURY THE NATIVE AMERICAN HUMAN REMAINS AND ASSOCIATED GRAVE GOODS WITH APPROPRIATE DIGNITY ON THE PROPERTY IN A LOCATION NOT SUBJECT TO FURTHER SUBSURFACE DISTURBANCE. WORK CAN CONTINUE ONCE THE MLD'S RECOMMENDATIONS HAVE BEEN IMPLEMENTED OR THE REMAINS HAVE BEEN REBURIED IF NO AGREEMENT CAN BE REACHED WITH TEH MLD.

48. CONSTRUCTION ACTIVITIES (INCLUDING FORKLIFT ACTIVITY AND TRUCK DELIVERY/PICKUPS), SHALL BE LIMITED TO THE HOURS OF 7:30 A.M. TO 7:30 P.M., MONDAY THROUGH FRIDAY, PURSUANT TO COUNTY OF NEVADA ORDINANCE 81-03.

#### DRAINAGE SYSTEM IMPROVEMENT NOTES

DISTURBANCE OF SUCH INSERTS DURING THE PLACING OF THE CONCRETE.

1. DRAINAGE SYSTEM IMPROVEMENTS SHALL MEET THE REQUIREMENTS OF THE COUNTY OF NEVADA ENGINEERING DIVISION. ALL DRAINAGE IMPROVEMENTS SHALL BE INSTALLED TO THE LINES AND GRADES AS SHOWN ON THE PLANS. IF A CONFLICT IS DISCOVERED, CONSTRUCTION OF THE FACILITY SHALL HALT AND THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IMMEDIATELY.

2. CORRUGATED POLYETHYLENE PIPE FOR DRAINAGE SHALL MEET THE REQUIREMENTS OF THESE NOTES. THE PIPE SHALL BE HIGH DENSITY POLYETHYLENE CORRUGATED EXTERIOR WITH SMOOTH INTERIOR. THE PIPE AND MATERIALS SHALL CONFORM TO AASHTO M294 AND MEET ASTM F667, UNLESS OTHERWISE NOTED ON THE PLANS.

3. STORM DRAINAGE INLETS AND MANHOLES SHALL CONFORM TO THE REQUIREMENTS IN THESE NOTES AND TO THE DETAILS IN THE PLANS. ALL INSTALLATION SHALL CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS.

4. STORM DRAIN INLETS SHALL HAVE PRECAST BASES AND RISERS. THE FRAME SHALL BE CAST INTO THE TOP RISER.

5. STORM DRAIN MANHOLES SHALL BE THE CONCENTRIC TYPE WITH PRECAST BASES AND RISERS. LIDS SHOULD BE SET TO MATCH FINISHED GRADE AND FINISHED AS SHOWN IN THE PLANS AND DETAILS. ALL LIDS SHALL BE SET 1/4" BELOW FINISH GRADE.

6. TRENCH EXCAVATION AND BACKFILL DETAILS ARE SHOWN ON THE PLANS.

#### <u>GRADING - DUST SUPPRESSION NOTES:</u>

- 1. ALTERNATIVES TO OPEN BURNING OF VEGETATIVE MATERIAL ON THE PROJECT SITE SHALL BE USED UNLESS DEEMED INFEASIBLE BY THE NORTHERN SIERRA AIR QUALITY MANAGEMENT DISTRICT. SUITABLE ALTERNATIVES ARE CHIPPING, MULCHING OR CONVERSION TO BIOMASS FUEL.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TIMELY DUST CONTROL OF DISTURBED AREAS AT ALL TIMES, TO THE SATISFACTION OF THE CITY ENGINEER. ALL MATERIAL EXCAVATED, STOCKPILED, GRADED, OR TRANSPORTED OFF—SITE SHALL BE SUFFICIENTLY WATERED, TREATED OR COVERED TO PREVENT DUST FROM CAUSING A PUBLIC NUISANCE OR A VIOLATION OF AN AMBIENT AIR STANDARD.
- 3. CONSTRUCTION ACTIVITIES SHALL BE SCHEDULED TO DIRECT CONSTRUCTION TRAFFIC FLOW TO OFF-PEAK HOURS AS MUCH AS POSSIBLE.
- 4. WHEEL WASHERS SHALL BE INSTALLED WHERE PROJECT VEHICLES AND/OR EQUIPMENT ENTER AND/OR EXIT ONTO PAVED STREETS FROM UNPAVED ROADS. VEHICLES AND/OR EQUIPMENT SHALL BE WASHED PRIOR TO EACH TRIP, AS NECESSARY TO PREVENT VISIBLE DUST EMISSIONS FROM ADHERING DIRT OR DEPOSITION ON ROADWAYS.
- 5. ALL MOBILE AND STATIONARY EQUIPMENT SHALL BE PROPERLY MAINTAINED.
- 6. THE COUNTY SHALL REQUIRE PROJECTS TO UTILIZE BEST MANAGEMENT PRACTICES AND THE USE OF CONSTRUCTION EQUIPMENT THAT MEETS APPLICABLE STATE AND FEDERAL NON-ROAD DIESEL FUEL EMISSION STANDARDS.
- 7. ALL CONSTRUCTION ACTIVITIES SHALL BE SUBJECT TO THE REQUIREMENTS OF THE NSAQMD'S REGULATION 2, RULE 226 REGARDING DUST CONTROL. THEY ARE AS FOLLOWS:
- 7.1. PERSON RESPONSIBLE FOR ENSURING THAT ALL ADEQUATE DUST CONTROL MEASURES ARE IMPLEMENTED IN A TIMELY AND EFFECTIVE MANNER:

  (NAME)\_\_\_\_\_\_\_.
- 7.2.ALL MATERIAL EXCAVATED, STOCKPILED, OR GRADED SHALL BE SUFFICIENTLY WATERED, TREATED, OR COVERED TO PREVENT FUGITIVE DUST FROM LEAVING THE PROPERTY BOUNDARIES AND/OR CAUSING A PUBLIC NUISANCE. WATERING DURING SUMMER MONTHS SHOULD OCCUR AT LEAST TWICE DAILY, WITH COMPLETE COVERAGE OF DISTURBED AREAS.
- 7.3.ALL AREAS WITH VEHICLE TRAFFIC SHALL BE WATERED OR HAVE DUST PALLIATIVE APPLIED AS NECESSARY TO MINIMIZE DUST EMISSIONS.
- 7.4.ALL ON-SITE VEHICLE TRAFFIC SHALL BE LIMITED TO A SPEED OF 15 MPH ON UNPAVED ROADS.
- 7.5.ALL LAND CLEARING, GRADING, EARTH MOVING, OR EXCAVATION ACTIVITIES ON A PROJECT SHALL BE SUSPENDED AS NECESSARY TO PREVENT EXCESSIVE WINDBLOWN DUST WHEN WINDS ARE EXPECTED TO EXCEED 20 MPH.
- 7.6.ALL INACTIVE PORTIONS OF THE DEVELOPMENT SITE SHALL BE COVERED, SEEDED, OR WATERED OR OTHERWISE STABILIZED UNTIL A SUITABLE COVER IS ESTABLISHED.
- 7.7.ALL MATERIAL TRANSPORTED OFF-SITE SHALL BE EITHER SUFFICIENTLY WATERED OR SECURELY COVERED TO PREVENT IT BEING ENTRAINED IN THE AIR, AND THERE MUST BE A MINIMUM OF SIX (6) INCHES OF FREEBOARD IN THE BED OF THE TRANSPORT VEHICLE.
- 7.8.PAVED STREETS ADJACENT TO THE PROJECT SHALL BE SWEPT OR WASHED AT THE END OF EACH DAY, OR MORE FREQUENTLY IF NECESSARY, TO REMOVE EXCESSIVE ACCUMULATIONS OR VISIBLY RAISED AREAS OF SOIL WHICH MAY HAVE RESULTED FROM ACTIVITIES AT THE PROJECT SITE.
- 7.9. PRIOR TO FINAL OCCUPANCY, THE APPLICANT SHALL RE-ESTABLISH GROUND COVER ON THE SITE THROUGH SEEDING AND WATERING

ENGINEERING DIVISION
CITY OF GRASS VALLEY
GRADING AND IMPROVEMENT PLANS FOR
COUNTY OF NEVADA

PROJECT ENGINEER: JASON BARNUM
ACCEPTED BY:

T5378
CITY ENGINEER DATE RCE NUMBER

PROJECT NUMBER 24GP-0XXX

NUMBER:

22XX

SHEET 2 OF 6

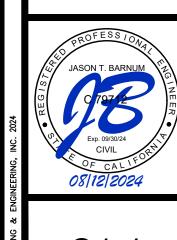
SITE IMPROVEMENT PLANS

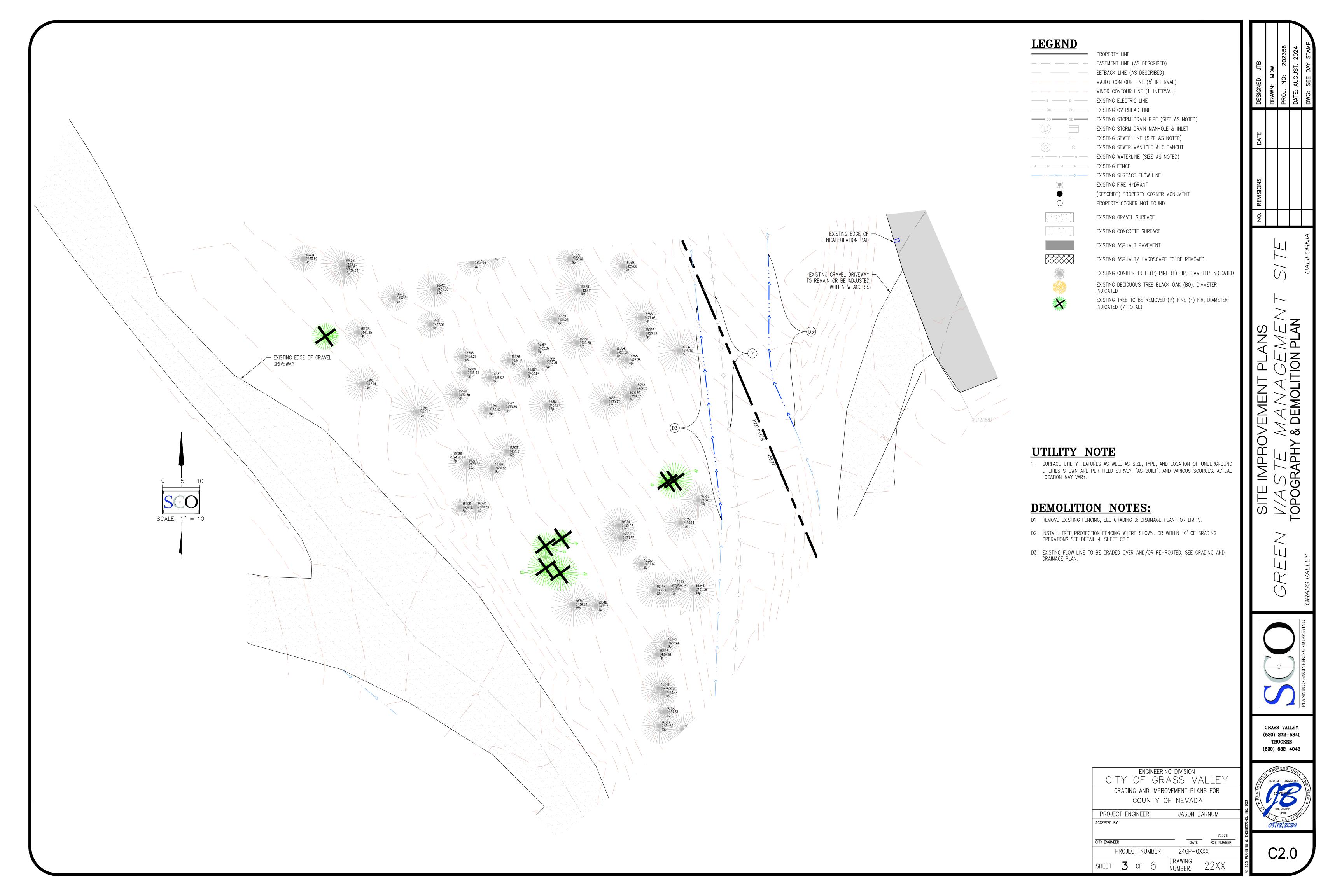
WASTE MANAGEMENT SITE

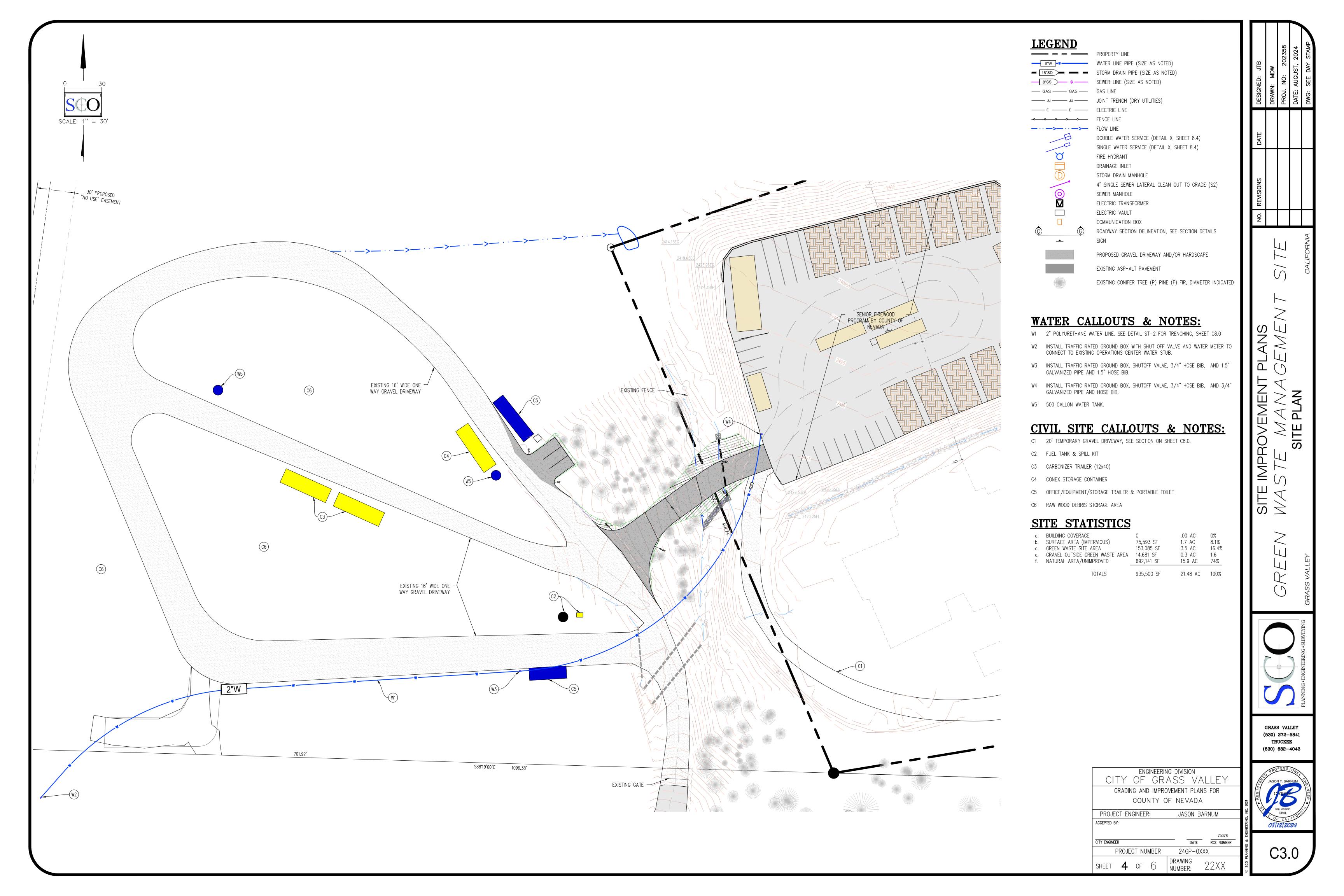
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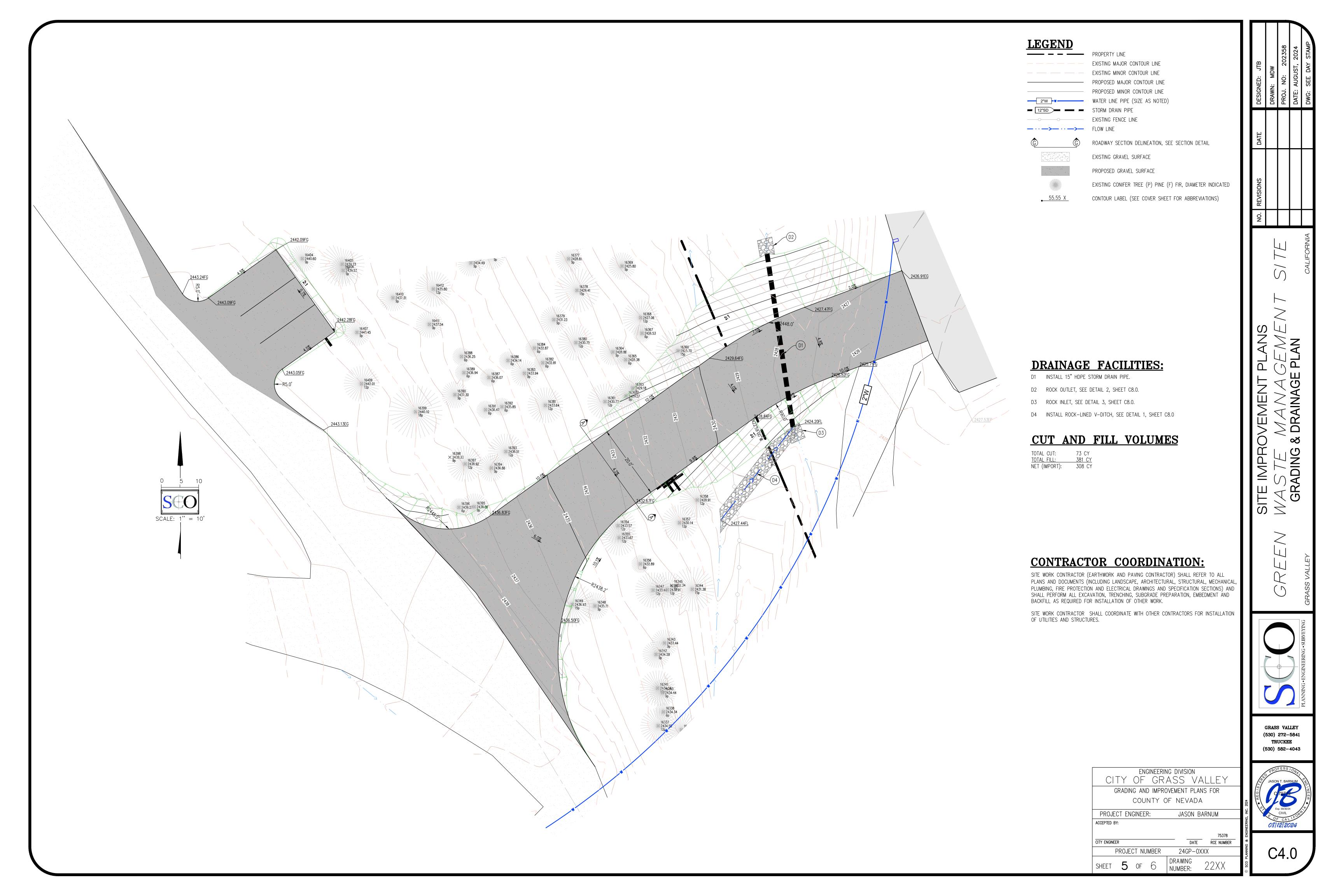
LANNING • ENGINEERING • SURVEYING

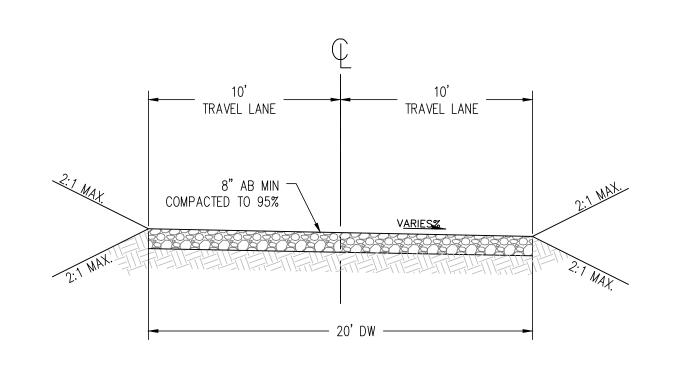
GRASS VALLEY (530) 272-5841 TRUCKEE (530) 582-4043



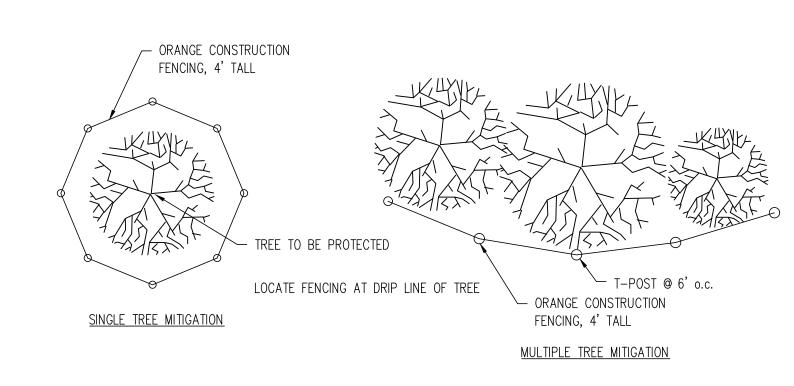




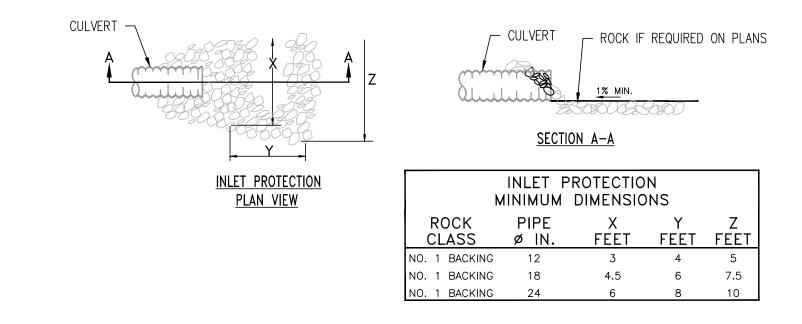




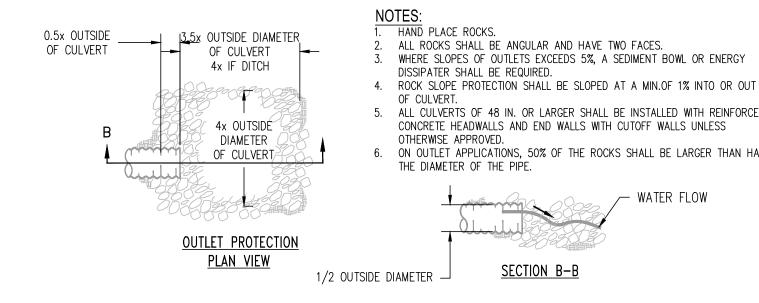
TYPICAL ROADWAY SECTION A-A



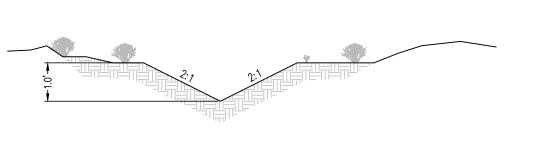


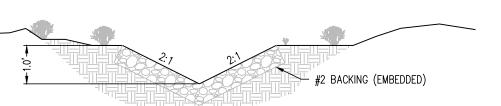












	TYPE 1R V-DITCH
0	TES:
	COBBLE BACKING SHALL BE PLACED IN ALL DITCHES WITH A SLOPE OF
	5% OR GREATER.
	DITCH ALIGNMENT MAY VARY SLIGHTLY IN FIELD TO MEANDER AROUND
	EXISTING TREES, BUT MUST BE LOCATED WITHIN DRAINAGE EASEMENT
	AND MUST HAVE 1% MIN. SLOPE.

	CITY OF GRAS
E OF	GRADING AND IMPROVEMI
JND NT	COUNTY OF N
	PROJECT ENGINEER:
	ACCEPTED BY:

1	V-DITCH	DETAIL
	NTS	

	ENGINEERING DIVISION CITY OF GRASS VALLEY GRADING AND IMPROVEMENT PLANS FOR COUNTY OF NEVADA	c. 2024	JASON T. BARNUM  O  O  Exp. 09/30/24
	PROJECT ENGINEER: JASON BARNUM	G, INC.	CIVIL OF CAL IFOR
	ACCEPTED BY:	ENGINEERING,	08 12 2024
		_	
	CITY ENGINEER DATE RCE NUMBER	જ છ	
	PROJECT NUMBER 24GP-0XXX	PLANNING	C8.0
-	SHEET 6 OF 6 DRAWING NUMBER: 22XX	© SCO PI	00.0

ENERGY OR OUT REINFORCED SS THAN HALF		SITE IMPF 3REEN WAS7E
		PI ANNING FINGINFIERING STRVEYING
		GRASS VALLEY (530) 272-5841 TRUCKEE (530) 582-4043
LEY FOR	IC. 2024	JASON T. BARNUM  O  O  O  O  Exp. 09/30/24
RNUM	NEERING, INC. 2024	08/12/2024

(E) AC	1 (E) AC			
1' MIN	2" MIN "T" TRENCH	6		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
(TYP.)	5050,2 <i>)5050</i> 5050,5050 5050,5050	7000000 70000000 70000000		23000000000000000000000000000000000000
	36" MIN STREET RO 30" MIN OFF-STREET			36" MIN STREET ROW 30" MIN OFF-STREET ROW
				2 SO WIIN OFF-STREET ROW
(4)	(3) 1'	(4)		3) 1'
	<u> </u>	4)		
**************************************	1			
	4"			4" 
	7		(	7)———
EXISTING	STREET UTILITY TRENCH	NEW S	STREET UTIL	ITY TRENCH
NOTES:				
NOTES:		.,		
	OF EXISTING, WHICHEVER IS GREATER. T-TRENCH MA CK COAT ON ALL PAVEMENT SURFACES (TYP.). SURFA			
2 AB PROCESSED TO 95% RELATIVE CO	MPACTION OR TWO SACK SLURRY CEMENT WITH CITY	ENGINEER APPROVAL.	GBASS AND LEASE OF THE PARTY OF	PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION
3 IMPORTED SAND BEDDING: MECHANIC	CALLY CONSOLIDATED OR SHOVEL SLICED UNDER THE	HAUNCHES OF THE PIPE.	* * * * * *	UTILITY TRENCH BEDDING
4 #10 TRACING WIRE SECURED TO TOP	OF WATER MAINS		DA CO. CIT	<b>BACKFILL AND PAVING</b>
5 BACKFILL TAPE LOCATED 12"-24" BELC	OW FINISH GRADE FOR ALL SEWER AND WATER MAINS.	Γ	APPROVED BY:	Jan 1)
6 STREET STRUCTURAL SECTION PER A	PPROVED PLANS.			Jan Milliau
7) TRENCH WIDTH IS FROM UNDISTURBE	ED TRENCH SIDES. OD + 12" MIN., OD + 24" MAX.	Ļ	PUB	LIC WORKS DIRECTOR / CITY ENGINEER

SCALE: NONE

DRAWN BY:

EAD

DATE: MAY 12, 2012 ST - 2

7 TRENCH WIDTH IS FROM UNDISTURBED TRENCH SIDES. OD + 12" MIN., OD + 24" MAX.

H:\STANDARDS\Standard Details\2\_Streets\ST - 2.dwg