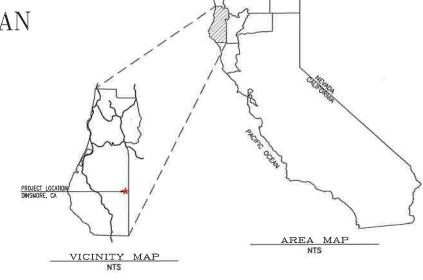
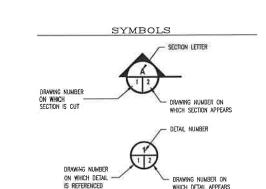


GRADING & EROSION CONTROL PLAN

RECEIVED
DEC 1 2 2018
Humboldt County
Planning Division

FOR:
PARKER BERG AND CARRIE JORDAN
12575 BUCK MOUNTAIN ROAD DINSMORE, CA 95526
APN: 210-131-021





	SHEET INDEX									
DRAWING #	TITLE	REVISION	DATE							
T01	TITLE SHEET	0	08/31/18							
C01	PLOT PLAN	0	08/31/18							
C02	OVERALL GRADING & DRAINAGE PLAN	0	08/31/18							
C03.1	EXISTING GRADING & DRAINAGE PLAN SITE 1	0	08/31/18							
C03.2	PROPOSED GRADING & DRAINAGE PLAN SITE 1	0	08/31/18							
C03.3	SITE 1 SECTIONS	0	08/31/18							
C03.4	EXISTING GRADING & DRAINAGE PLAN SITE 2	0	08/31/18							
C03.5	PROPOSED GRADING & DRAINAGE PLAN SITE 2	0	08/31/18							
C03.6	EXISTING GRADING & DRAINAGE PLAN SITE 3	0	08/31/18							
C03.7	PROPOSED GRADING & DRAINAGE PLAN SITE 3	0	08/31/18							
C03.8	SITE 3 SECTIONS	0	08/31/18							
C03.9	PROPOSED GRADING & DRAINAGE PLAN SITE 4	0	08/31/18							
C03.10	PROPOSED GRADING & DRAINAGE PLAN SITE 5	0	08/31/18							
C04.1	EROSION CONTROL PLAN & DETAILS SITE 1	0	08/31/18							
C04.2	EROSION CONTROL PLAN & DETAILS SITE 2	0	08/31/18							
C04.3	EROSION CONTROL PLAN & DETAILS SITE 3	0	08/31/18							
C04.4	EROSION CONTROL PLAN & DETAILS SITE 4	0	08/31/18							
C04.5	EROSION CONTROL PLAN & DETAILS SITE 5	0	08/31/18							
C05	GRADING DETAILS	0	08/31/18							
C06	TEMPORARY CLEAR WATER DIVERSION	0	08/31/18							

ENGINEERING NOTES

ALL REQUIREMENTS FROM THE SOILS REPORT HAVE
BEEN INCORPORATED INTO THESE PLANS.

THE ENGINEER OF RECORD SHALL INSPECT ALL SITE

SURVEY NOTES

FIELD SURVEY FOR TOPOGRAPHIC PURPOSES WAS PERFORMED BY TYCE ON JUNE 2018

A BOUNDARY SURVEY WAS <u>NOT</u> CONDUCTED BY TVCE.

CONTRACTOR ALERT!

CONTRACTOR MUST CONTACT USA DIG AT 800-227-2600 AT LEAST 72 HOURS BEFORE ANY EARTH-WORK OR ACTIVITIES THAT MAY IMPACT EXISTING UNDERGROUND UTILITIES.

EXISTING UTILITY AUGMMENTS BOTH HORIZONTALLY AND VERTICALLY MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION ACTIVITIES.

TO1

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ER BERG AND CARRIE JOR OX 67 BRIDGEVILLE, CA 9 TITLE SHEET

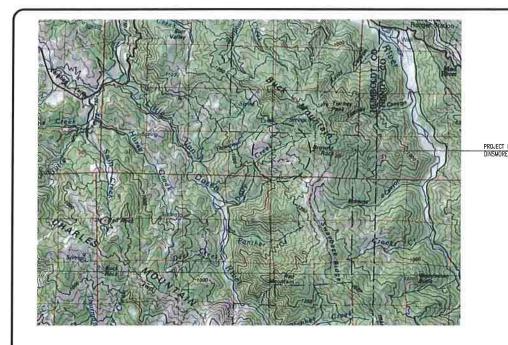
DATE OF ISSUE: AUGUST 2018

AS SHOWN

1269

ROJECT NO:

LOCATION MAP



APN: 210-131-021

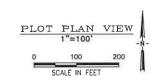
SEE SHEET CO3.9

GRADING & EROSION CONTROL PLAN

FOR: PARKER BERG AND CARRIE JORDAN 12575 BUCK MOUNTAIN ROAD DINSMORE, CA 95526 APN: 210-131-021

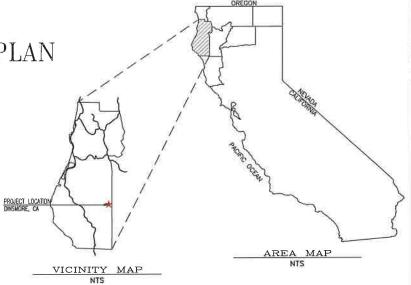
P)GRADE & COMPACT







- DRIVEWAY AND GATES:
- DRIVEWAYS LONGER THAN 1320' ARE 10'-12' WIDE AND HAVE 15' MINIMUM VERTICAL CLEARANCE WITH INTERNISIBLE TURNOUTS AND ARE BUILT TO COUNTY ROAD CATEGORY 2 STANDARD.
- DRIVEWAYS EXCEEDING 150' IN LENGTH BUT LESS THAN 800" HAVE A TURNOUT NEAR THE MIDPOINT
- DRIVEWAYS LONGER THAN 600' HAVE TURNOUTS AT INTERVISIBLE LOCATIONS AT APPROXIMATELY 400' INTERVALS.
- DRIVEWAYS HAVE MINIMUM CHRISE RADIUS MEETING STANDARD FOR COUNTY ROAD CATEGORY 1: 120' (NORMAL: 50' TOLERABLE). CURVE RADIUS LESS THAN 50' MUST DEMONSTRATE CONFORMANCE WITH COUNTY ROADWAY DESIGN
- B. ALL GATES AT LEAST 2' WIDER THAN THE LANES SERVING THE GATE AND ALLOW A VEHICLE TO STOP WITHOUT BLOCKING
- GATES PROVIDING ACCESS FROM A ROAD TO A DRIVEWAY ARE LOCATED AT LEAST 30' FROM THE ROADWAY EXCEPT AS PROVIDED BELOW.
- 111 ONE-WAY ROADS ACCESSING GATES HAVE TURNAROUND WITH 40' FACIUS MINIMUM



GENERAL NOTES

WATER: CSD
WASTEWATER: TBD
PDWER: PGME
PHONE: VENIZON
CREEKS/STREAMS: DAIRY CREEK
TREES TO DE REMOVED: NONE
GRADING: SEE GRADING PLAN

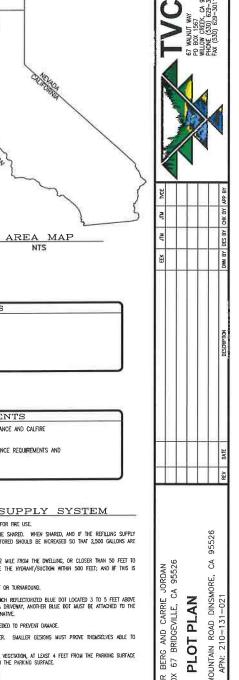
SRA REQUIREMENTS

PROVIDE ADEQUATE WATER STORAGE AND DELIVERY AS OUTLINED BY SRA ORDINANCE AND CALFIRE REQUIREMENTS

Provide adequate turn around and pullouts as outlined by sra ordinance requirements and calfire requirements

DOMESTIC EMERGENCY WATER SUPPLY SYSTEM

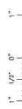
- 1. THE MINIMUM EMERGENCY WATER STORAGE VOLUME OF 2,500 GALLONS EASILY AVAILABLE FOR FIRE USE.
- THE EMERGENCY SUPPLY MAY BE SEPARATE FROM THE DOMESTIC SUPPLY OR IT MAY BE SHARED, WHEN SHARED, AND IF THE REFILLING SUPPLY SOURCE (WELL, ETC.) DANIOT MEEP UP WITH THE DAILY DOMESTIC USE; THE AMOUNT STORED SHOULD BE INCREASED SO THAT 2,500 GALLONS ARE AVAILABLE FOR FIRE USE ANY TIME OF DAY,
- 3. THE WATER HYDRANT OR PLACE FOR WATER SUCTION MUST NOT BE FURTHER THAN 1/2 MILE FROM THE DWELLING, OR CLOSER THAN 50 FEET TO THE BURLDING USING ROAD MEASUREMENTS. PARCELS 10 ACRES OR LESS MUST HAVE THE HYDRANT/SUCTION WITHIN 500 FEET; AND IF THIS IS PHYSICALLY IMPOSSIBLE. WITHIN 1,000 FEET.
- 4. ALL HYDRANT AND WATER SUCTION LOCATIONS MUST PROVIDE A ROAD STANDARD TURNOUT OR TURNAROUND.
- ALL WATER SUPPLY HYDRANTS AND SUCTION LOCATIONS MUST BE IDENTIFIED WITH A 3 MICH REFLECTIORIZED BLUE DOT LOCATED 3 TO 5 FEET ABOVE THE GROUND ON A POST THAT IS WITHIN 3 FEET OF THE HYDRANT, IF LOCATED OFF A DRIVENAY, ANOTHER BLUE DOT MUST BE ATTACHED TO THE DRIVENAY ADDRESS SIGN. ROAD SIGNS STATING "FIRE WATER" ARE AN ACCEPTIBLE ALTERNATIVE.
- 6. ALL EXPOSED PLUMBING SHOULD HAVE FREEZE PROTECTION AND CRASH BARRIERS AS NEEDED TO PREVENT DAMAGE.
- 7. ALL PIPES SUPPLYING WATER TO HYDRANTS MUST BE AT LEAST 3 INCHES IN DAWLETER. SWALLER DESIGNS MUST PROVE THEMSELVES ABLE TO PROVIDE A 200 GPU FLOW FROM THE HYDRANT CONNECTION.
- 8. ALL HYDRANTS NUST BE 18 INCHES ABOVE GROUND, AT LEAST 8 FEET FROM FLAMMABLE VEGETATION, AT LEAST 4 FEET FROM THE PARKING SURFACE WHERE THE FIRE EQUIPMENT HILL BE WHEN USING IT AND NO MORE THAN 12 FEET FROM THE PARKING SURFACE.
- 9. ALL HYDRANTS MUST HAVE A 2-1/2 INCH, MAKE NATIONAL HOSE CONNECTION WITH CAP.
- 10. ALL HYDRANTS AVAILATES AND CONNECTIONS MUST BE MADE OF BRASS OR OTHER CORROSION RESISTANT MATERIAL.
- 11. A WET HYDRANT USED WITH A GRAVITY SUPPLY OR PRESSURE SYSTEM MUST HAVE A 2-1/21 INCH VALVE.
- 12. A DRY HYDRANT USED FOR WATER SUCTION DOES NOT MEED A WALVE, BUT DOES REQUIRE A STRAINER (PERFORATED PIPE LENGTH) AT THE END OF THE SUCTION PIPE. THE STRAINER MUST BE AT LEAST 3 FEET LONG.
- 13. WHERE A PUMP IS RELIED UPON TO DELIVER WATER TO THE HYDRANT (NOT GRAVITY AND NOT SUCTION); IT MUST DELIVER 200 CALLONS PER MINUTE DRANT, IF IT IS AN ELECTRICALLY POWERED PUMP, IT MUST HAVE A FUELED ENGINE BACKUP (OR GENERATOR). ALSO, A STRAINER IS
- WHERE GRAVITY IS USED TO GET THE WATER TO THE HYDRANT, THE SOURCE (TANK) MUST AT LEAST BE HIGHER THAN THE HYDRANT SO THAT ALL 2,500 GULLONS CAN DRAIN OUT WITHOUT SUCTION. ALSO, THE TANK SHOULD BE NO MORE THAN 600 FEET ABOVE THE HYDRANT; OR HAME A PRESSURIE REDUCENCE RESTRICTION TO 250 PSI.
- WHERE SUCTION IS NEEDED TO GET THE WATER UP OUT OF A SOURCE (BY HOSE, ORY HYDRANT OR PUMP) FROM A NATURAL POND, UNDERGROUND TANK, SYMAINHO POOL, ETC., THE DNO OF THE HOSE OR THEY HYDRANT PPE STRANER MUST HAVE 2 FEET OF WATER ABOVE IS AT ALL TIMES TO PREVEND CANTRION (A WORTER ATMINET DAY AND A THOU TO A THOU THE STRANER MUST HE HELD I FOOT OFF THE BOTTOM HEY STRANER MUST HE HELD I FOOT OFF THE BOTTOM HEY STRANER HIST HEY BE HELD I FOOT OFF THE BOTTOM HEY TO STOME THAT THE WATER A HOSE AND A THE SUCTION POINT IS MUSTURE AND AT LOST A THE SUCTION POINT IS MUSTURE AND AT LOST OF THE BOTTOM HEY THE WATER IS AT THE
- WHERE SUCTION THROUGH A DRY PROBANT PIPE IS USED TO GET WATER UP TO A FIRE ENGINE, THE LEVEL WHERE THE SUCTION PIPE STRANGER IS MUST BE NO MORE THAN 15 FEET LOWER THAN THE HYDRANT CONNECTION.
- 17. WHERE A FIRE ENGINE SUCTION HOSE IS NEEDED TO CET WATER (NO DRY HYDRANT), THE LEVEL WHERE THE STRANER END OF THE SUCTION HOSE MUST GO CAN BE NO MORE THAN 10 FEET LOWER THAN THE SURFACE WHERE THE ENGINE PRIVE. ALSO, THE TOTAL REACH FROM THE EDGE OF THE PARKING SURFACE TO WHERE THE END OF THE SUCTION HOSE AND SHAPE RENS. THIS MENT THAT A TACK WHIT NO DRY HYDRANT MILL HAVE TO BE BELOW THE PARKING AREA, OR HAVE A LOW SIDE WALL, RECAUSE IT COSULD TACK MORE THAN 15 FEET OF HOSE TO REACH UP TO THE TOP OF A TANK AND THEN BOACK TO THE BOTTOM; AND COULD REQUIRE A YERY SHAPE BEING.



DATE OF ISSUE: AUGUST 2018 AS SHOWN

PROJECT NO: 1269

C01



CLEARING, GRUBBING, & DEMOLITION NOTES:

- 1. TREES SCHEDULED TO BE REMOVED SHALL BE REMOVED COMPLETELY INCLUDING STUMPS, ROOTS, BRANCHES, WOODY DEBRIS, BARK, AND FLESH, TREES SHALL BE REMOVED FROM THE SITE AND DEPOSITED IN LOCATIONS DESIGNATED BY THE
- VEGETATION AND WOODY DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A MANNER CONSISTENT WITH APPLICABLE LAWS AND REGULATIONS.
- ALL GENERATED AND ACCUMULATED CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A
 MANNER CONSISTENT WITH APPLICABLE LAWS AND REGULATIONS.
- 4. FOUNDATION CONCRETE SCHEDULED FOR REMOVAL SHALL BE COMPLETELY REMOVED INCLUDING STEM WALL AND FOOTING.
- 5. ALL AREAS WITH GENERATED VOIDS FROM DEMOLITION ACTIVITIES SHALL BE BACKFILLED WITH NATIVE SOIL TO FINISH GRADE IN 1' MAXIMUM VERTICAL LIFTS SUFFICIENTLY COMPACTED TO ELIMINATE SUBSIDENCE.
- 6. DUST CONTROL SHALL BE MAINTAINED DURING DEMOLITION PRACTICES.
- 7. TRACKING OF MATERIAL FROM THE SITE ONTO EXISTING ROADWAYS WILL NOT BE TOLERATED, TEMPORARY CONSTRUCTION SITE EXTRANCES SHOULD BE BUILT AT POINTS OF INTERSECTION TO EXISTING ROADWAYS AND PRACTICES SHOULD BE IMPLEMENTED TO REMOVE CONSTRUCTION MATTER FROM VEHICLES AND EQUIPMENT PRIOR TO LEAVING THE CONSTRUCTION SITE.
- EROSION CONTROL MEASURES SHALL BE IMPLEMENTED FOR THE SITE AS SOON AS PRACTICAL AND SHALL BE IN PLACE
 PRIOR TO EXECUTION OF MAJOR DEMOLITION OPERATIONS.

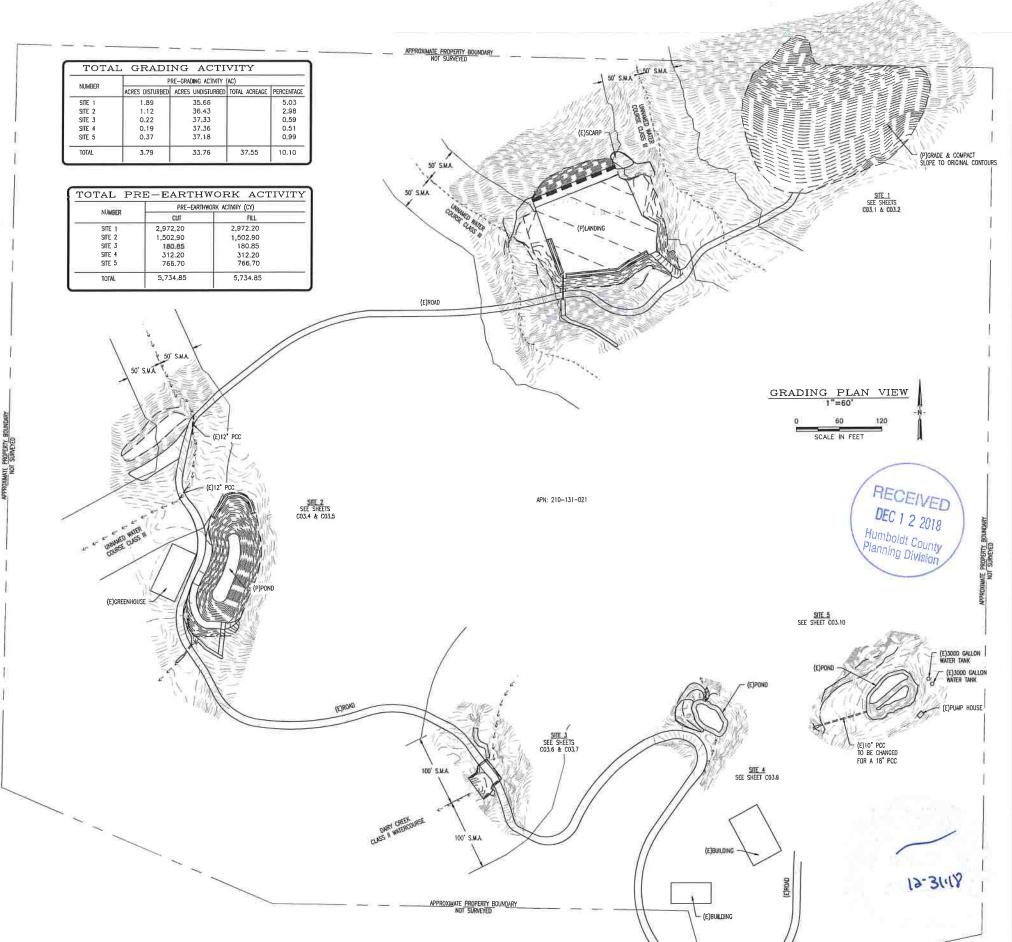
GRADING NOTES:

- ALL EARTHWORK, INCLUDING BUT NOT LIMITED TO, SITE CLEARING, GRUBBING, STRIPPING, AND GRADING WILL BE CONDUCTED DURING DRY WEATHER CONDITIONS. (TYPICALLY APRIL 15 TO OCTOBER 15)
- 2. STRIP AND REMOVE ALL TOPSOIL AND VEGETATION FROM THE PROJECT AREA, AND FOR A MINIMUM OF THREE FEET TO THE OUTSIDE OF THE WORKING AREA.
- ANY UNDOCUMENTED FILL SOILS, FINE—GRAINED RESIDUAL SOILS, AND ANY OTHER DEBRIS ENCOUNTERED AT OR BELOW THE EXISTING GROUND SURFACE SHALL BE REMOVED AT THE LOCATIONS RECEMING ANY POTENTIAL FILLS.
- \clubsuit . The site should be graded to provide adequate dramage such that no water is allowed to pond anywhere on the site or migrate beneath proposed developments.
- 5. ALL FILL MATERIAL SHALL BE PLACED IN HORIZONTAL LIFTS NOT TO EXCEED EIGHT INCHES (8") IN DEPTH AND SHALL BE COMPACTED MECHANICALLY.
- ALL FILL MATERIAL SHALL BE FREE OF ORGANICS, ROCKS LARGER THAN 3°4, WOODY DEBRIS, ROOTS, AND INORGANIC MATERIAL.
- 7. ALL FILL MATERIAL SHALL HAVE A UNIFORM MOISTURE CONTENT AT OR NEAR OPTIMUM MOISTURE CONTENT AS DETERMINED BY TESTING AND APPROVED BY THE ENGINEER:
- 8, NON-STRUCTURAL FILL SHALL BE COMPACTED TO A FIRM UNYIELDING SURFACE AS APPROVED BY THE ENGINEER.
- IT IS RECOMMENDED THAT ANY MATERIAL PROPOSED FOR STRUCTURAL FILL MATERIAL TO SUPPORT ANY FOUNDATIONS OR STRUCTURAL BUILDING ELEMENT AND ASSOCIATED UTILITIES BE COMPACTED AS CUTLINED IN THE SOILS REPORT.
- 10. ALL FINAL SLOPES SHALL BE TO A SMOOTH AND EVEN GRADE, SHALL BE SURFACE TRACKWALKED, AND FINAL GRADED NOT TO EXCEED 1.5:1 (h.v).
- 11. SUFFICIENT TESTING AND INSPECTION SHOULD BE PERFORMED TO MONITOR THE SUITABILITY OF FILL MATERIALS AND ASSURE COMPLIANCE WITH THE RECOMMENDED COMPACTION STANDARDS.
- 12. AGGREGATE BASE MATERIAL MAY BE USED FOR PAVENIENT SUBSRADE, PLACED BENEATH FOOTINGS OR FLOOR SLABS, OR USED AS TRENCH BACKFILL. THIS MATERIAL SHOULD MEET THE REQUIREMENTS IN THE CALTRANS STANDARD SPECIFICATIONS FOR 3/4"— CLASS 2 AGGREGATE BASE.

EARTHWORK	ACTIVITY					
PROPOSED EARTHWORK ACTIVITY (CY)						
CUT	FILL					
856.20	3,454.32					
2,547.80	57.50					
55.13	0.12					
3.28	0.05					
49.80	0.09					
3,512.20	3512.10					
	PROPOSED EARTHWORK AND DUT 856.20 2,547.80 55.13 3.28 49.80					

TOTA	L GRADI	NG ACTI	VITY				
MINIDED	PR	ROPOSED GRADING ACTI	MTY (AC)				
NUMBER	ACRES DISTURBED	ACRES DISTURBED ACRES UNDISTURBED TOTAL ACREAGE F					
SITE 1	1.53	36.02		4.07			
SITE 2	0.34	37.21		0.90			
SITE 3	0.03	37.52		0.08			
SITE 4	0.02	37.53		0.05			
SITE 5	0.007	37.54		0.01			
TOTAL	1.927	35.62	37.55	5.11			

TOTAL I	ROCK QUANTITIES
NUMBER	PROPOSED ROCK QUANTITIES (CY)
SITE 1	736,42
SITE 2	25.00
SITE 3	195.72
SITE 4	2.78
SITE 5	2.77
TOTAL	962.69



NUT WAY 1567 CREEK, CA (530) 629-(0) 629-301

& DRAINAGE

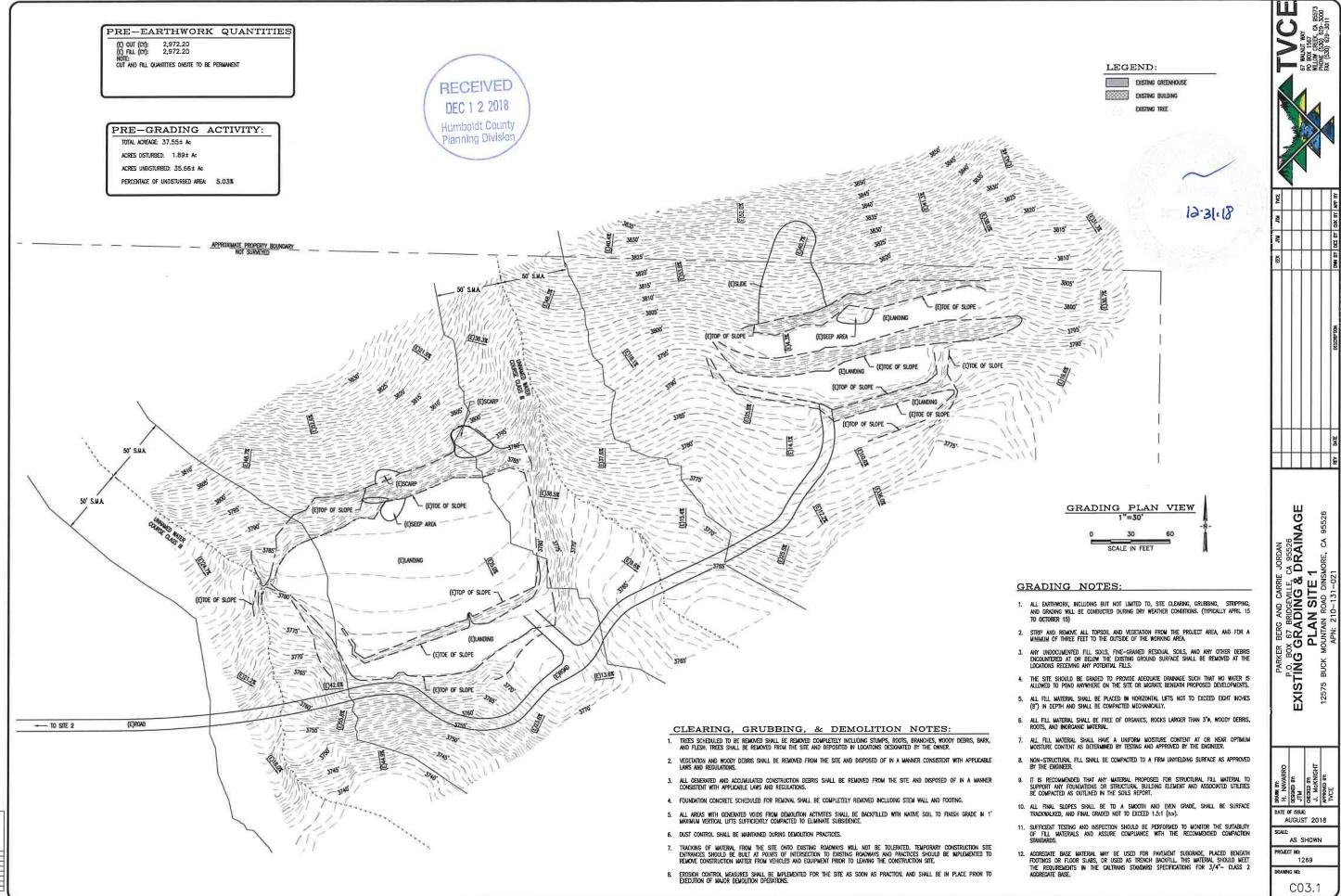
GRADING

OVERALL

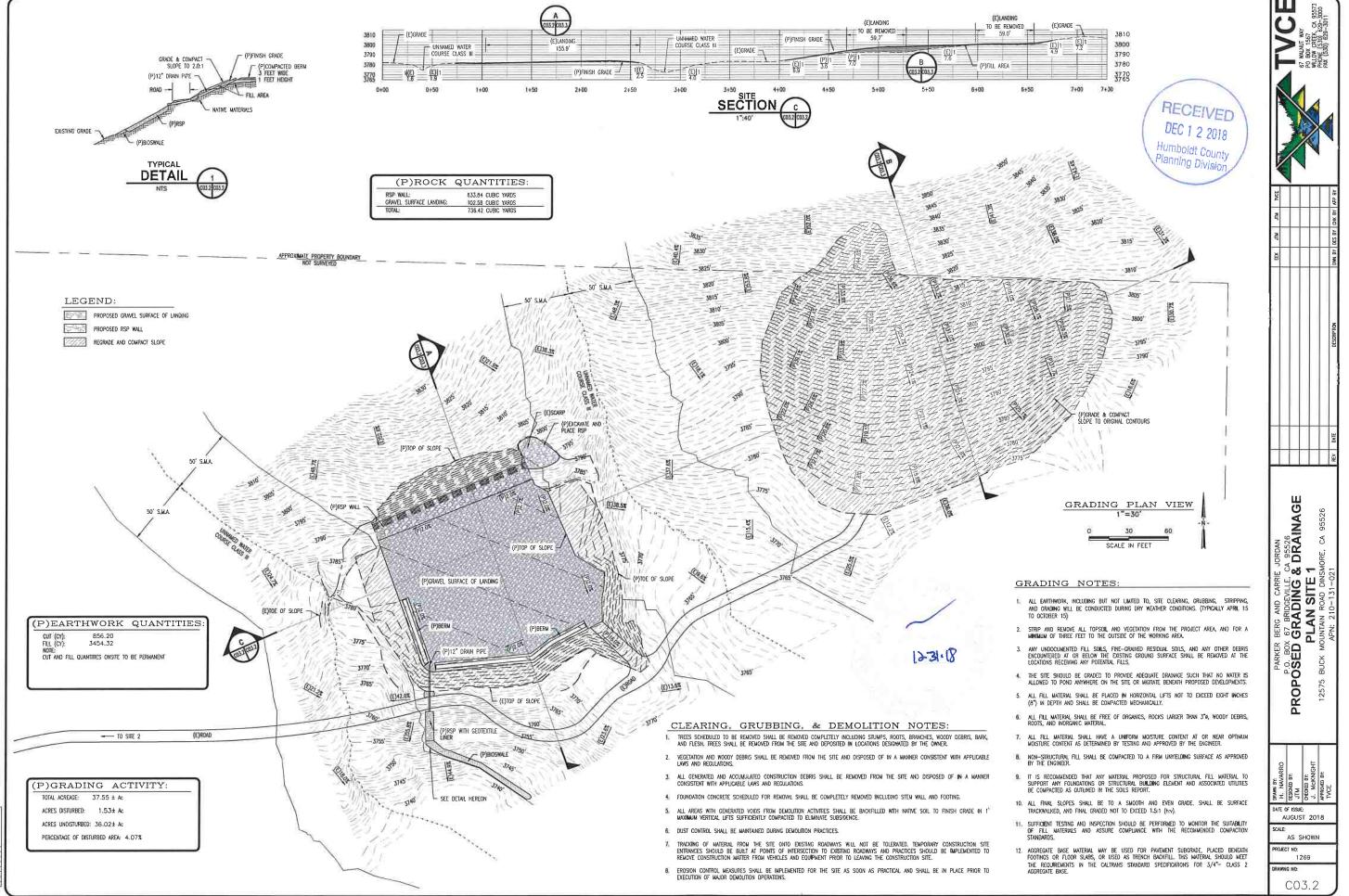
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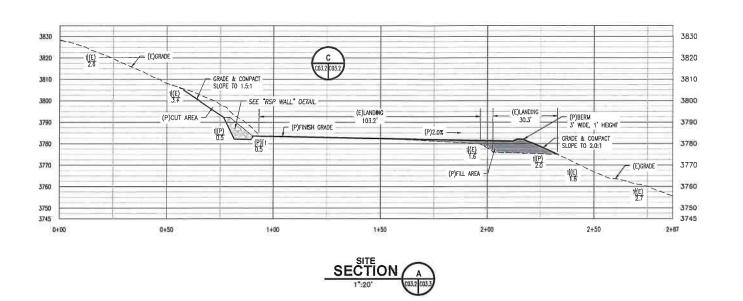
PROJECT NO: 1269 S



TRINITY VALLEY CONSULTING ENGINEERS, INC

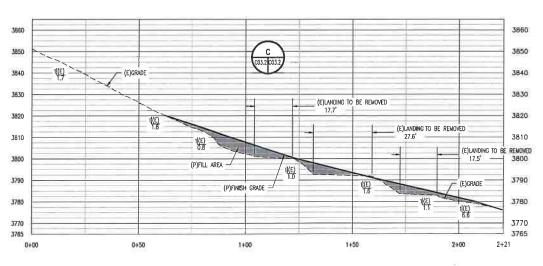


TRINITY VALLEY CONSULTING ENGINEERS, INC.













OALE AS SHOWN

PROJECT NO. 1269

DRAINING NO. CO. 3. 3.

FINAL PROJECTION INC. CO. 3. 3.

1,2 0,

TRINITY VALLEY CONSULTING ENGINEERS, INC.

GRADING NOTES:

- ALL EARTHWORK, INCLUDING BUT NOT LIMITED TO, SITE CLEARING, GRUBBING, STRIPPING, AND GRADING WILL BE CONDUCTED DURING DRY WEATHER CONDITIONS, (TYPICALLY APRIL 15 TO OCTOGER 15)
- STRIP AND REMOVE ALL TOPSOIL AND VEGETATION FROM THE PROJECT AREA, AND FOR A MINIMUM OF THREE FEET TO THE OUTSIDE OF THE WORKING AREA.
- Any undocumented fill soils, fine—gramed residual soils, and any other debris encountered at or below the dosting ground surface shall be removed at the locations receiving any potential fills.
- 4. THE SITE SHOULD BE GRADED TO PROMOE ADEQUATE DRAWAGE SUCH THAT NO WATER IS ALLOWED TO POND ANYWHERE ON THE SITE OR MIGRATE BENEATH PROPOSED DEVELOPMENTS.
- ALL FILL MATERIAL SHALL BE PLACED IN HORIZONTAL LIFTS NOT TO EXCEED EIGHT INCHES (8") IN DEPTH AND SHALL BE COMPACTED MECHANICALLY.
- 6. ALL FILL MATERIAL SHALL BE FREE OF ORGANICS, ROCKS LARGER THAN 30, WOODY DEBRIS, ROOTS, AND INORGANIC MATERIAL
- ALL FILL MATERIAL SHALL HAVE A UNIFORM MOISTURE CONTENT AT OR NEAR OPTIMUM MOISTURE CONTENT AS DETERMINED BY TESTING AND APPROVED BY THE ENGINEER.
- 8. NON-STRUCTURAL FILL SHALL BE COMPACTED TO A FIRM UNYIELDING SURFACE AS APPROVED BY THE ENGINEER.
- IT IS RECOMMENDED THAT ANY MATERIAL PROPOSED FOR STRUCTURAL FILL WATERIAL TO SUPPORT ANY FOUNDATIONS OR STRUCTURAL BUILDING ELEMENT AND ASSOCIATED UTILITIES BE COMPACTED AS OUTLINED IN THE SOILS REPORT.
- 10. ALL FINAL SLOPES SHALL BE TO A SMOOTH AND EVEN GRADE, SHALL BE SURFACE TRACKWALKED, AND FINAL GRADED NOT TO
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 TRENCH BACKFILL THIS MATERIAL SHOULD MEET THE REQUIREMENTS IN THE CALTRANS STANDARD SPECIFICATIONS FOR 3/4"—
 CLASS 2 AGGREGATE BASE.

CLEARING, GRUBBING, & DEMOLITION NOTES:

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- VEGETATION AND WOODY DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A MANNER CONSISTENT WITH APPLICABLE LAWS AND REGULATIONS.
- ALL GENERATED AND ACCUMULATED CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A WANNER CONSISTENT WITH APPLICABLE LAWS AND REGULATIONS.
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- ALL AREAS WITH GENERATED VOIDS FROM DEMOUTION ACTIVITIES SHALL BE BACKFILLED WITH NATIVE SOIL TO FINISH GRADE IN 1'
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- 6. DUST CONTROL SHALL BE MAINTAINED DURING DEMOLITION PRACTICES.
- 7. TRACKING OF MATERIAL FROM THE SITE ONTO EXISTING ROADWAYS WILL NOT BE TOLERATED. TEMPORARY CONSTRUCTION SITE ENTRANCES SHOULD BE BUILT AT POINTS OF INTERSECTION TO EXISTING ROADWAYS AND PRACTICES SHOULD BE IMPLEMENTED TO REMOVE CONSTRUCTION WATTER FROM VEHICLES AND EQUIPMENT PRIOR TO LEARING THE CONSTRUCTION SITE.
- 8. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED FOR THE SITE AS SOON AS PRACTICAL AND SHALL BE IN PLACE PRIOR TO EXECUTION OF MAJOR DEJIOLITION OPERATIONS.

PRE-EARTHWORK QUANTITIES

(E) CUT (CY): 1,502.89 (E) FILL (CY): 1,502.89

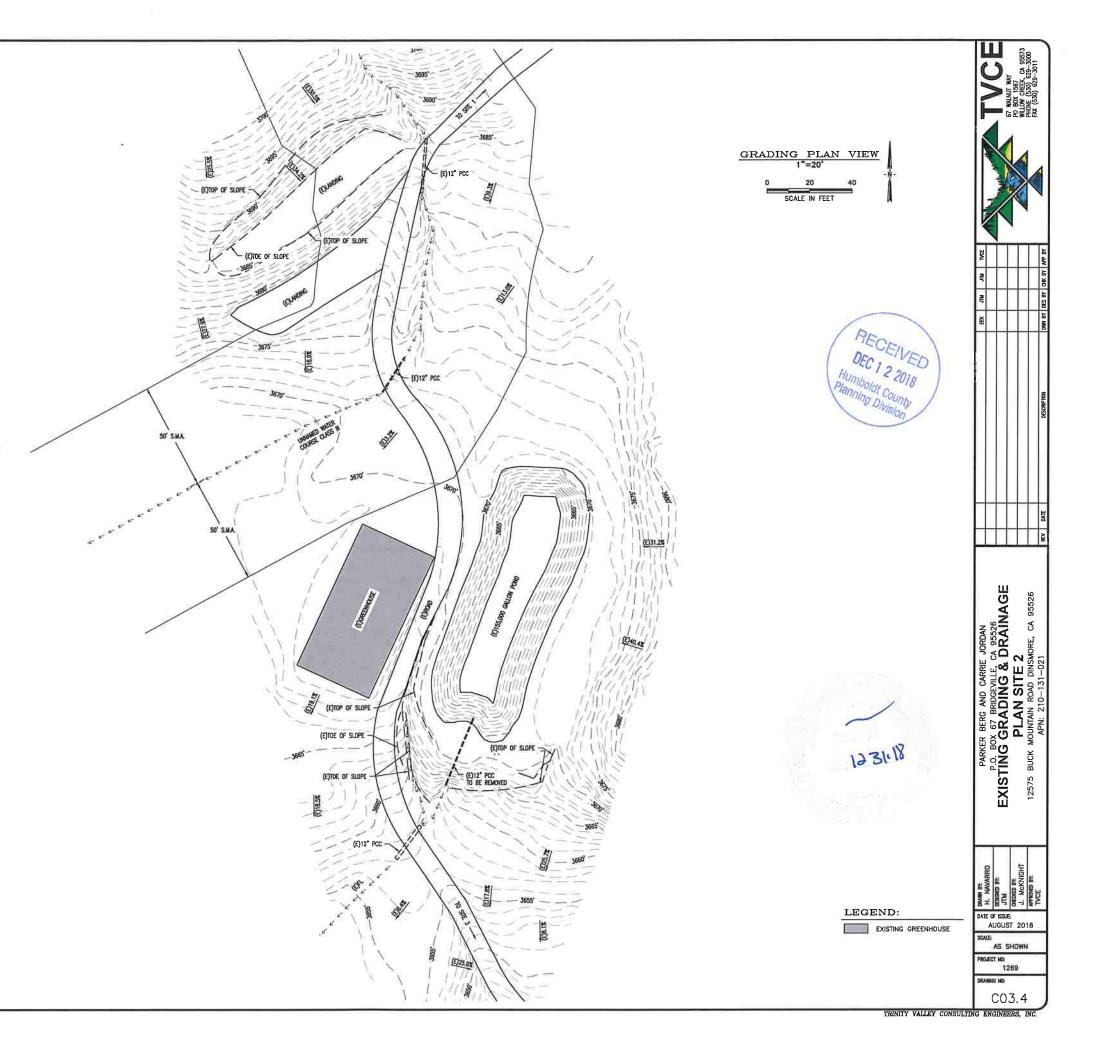
CUT AND FILL QUANTITIES ONSITE TO BE PERMANENT

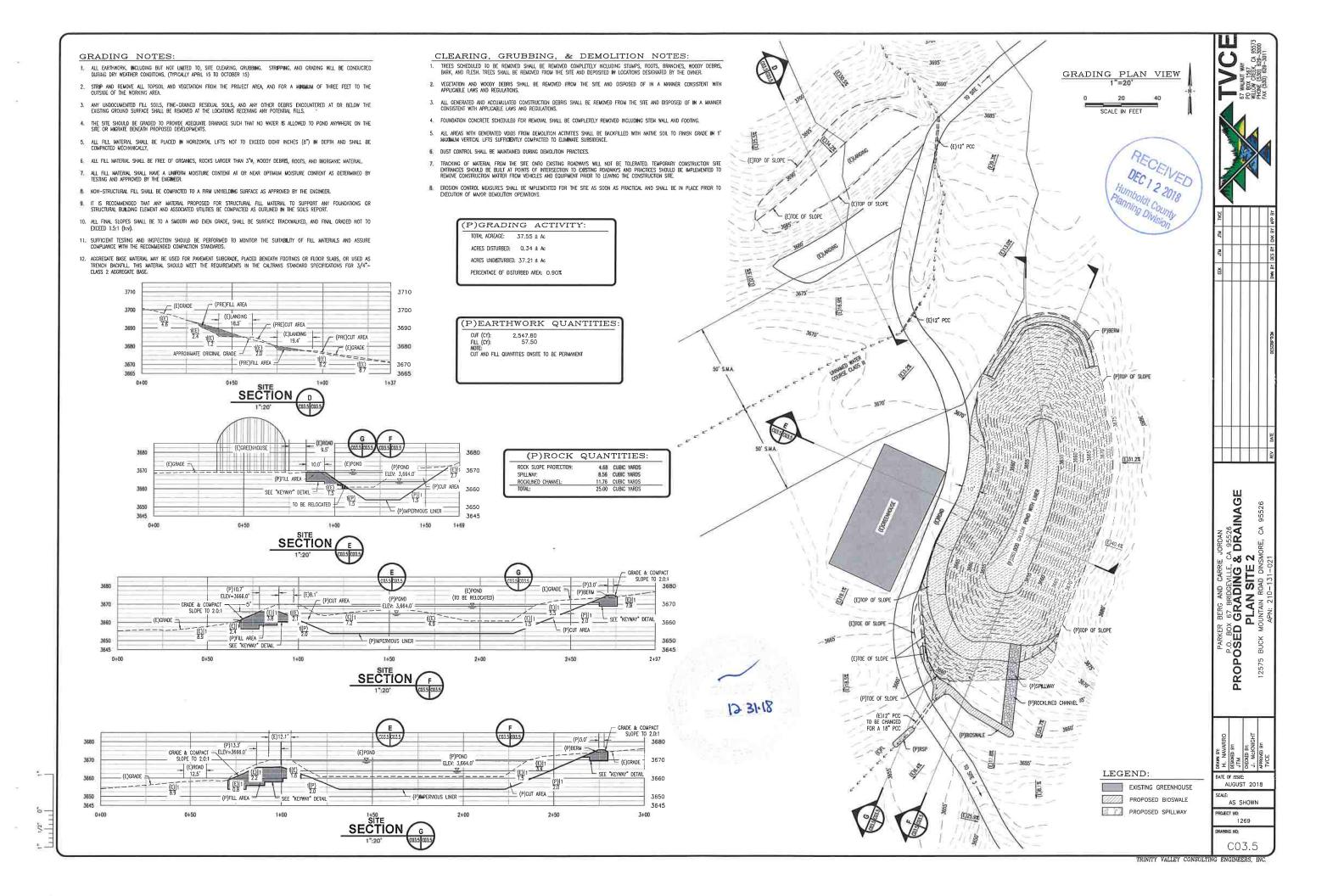
PRE-GRADING ACTIVITY:

TOTAL ACREAGE: 37.55± Ac

ACRES DISTURBED: 1.12± Ac

ACRES UNDISTURBED: 36.43± Ac PERCENTAGE OF UNDISTURBED AREA: 2.98%





GRADING NOTES:

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- STRIP AND REMOVE ALL TOPSOIL AND VEGETATION FROM THE PROJECT AREA, AND FOR A MINIMUM OF THREE FEET TO THE OUTSIDE OF THE WORKING AREA.
- ANY UNDOCUMENTED FILL SOILS, FINE-GRAINED RESIDUAL SOILS, AND ANY OTHER DEBRIS ENCOUNTERED AT OR BELOW THE EXISTING GROUND SURFACE SHALL BE REMOVED AT THE LOCATIONS RECEMBING ANY POTENTIAL FILLS.
- The SITE SHOULD BE GRADED TO PROVIDE ADEQUATE DRAINAGE SUCH THAT NO WATER IS ALLOWED TO POND ANYWHERE ON THE SITE OR MIGRATE BENEATH PROPOSED DEVELOPMENTS.
- ALL FILL MATERIAL SHALL BE PLACED IN HORIZONTAL LIFTS NOT TO EXCEED EIGHT INCHES (8") IN DEPTH AND SHALL BE COMPACTED MECHANICALLY.
- 6. ALL FILL MATERIAL SHALL BE FREE OF ORGANICS, ROCKS LARGER THAN 3%, WOODY DEBRIS, ROOTS, AND INORGANIC MATERIAL
- ALL FILL MATERIAL SHALL HAVE A UNIFORM MOISTURE CONTENT AT OR NEAR OPTIMUM MOISTURE CONTENT AS DETERMINED BY TESTING AND APPROVED BY THE ENGINEER.
- 8. NON-STRUCTURAL FILL SHALL BE COMPACTED TO A FIRM UNYFELDING SURFACE AS APPROVED BY THE ENGINEER.
- IT IS RECOMMENDED THAT MAY MATERIAL PROPOSED FOR STRUCTURAL FILL MATERIAL TO SUPPORT ANY FOUNDATIONS OR STRUCTURAL BUILDING ELEMENT AND ASSOCIATED UTILITIES BE COMPACTED AS OUTLINED IN THE SOILS REPORT.
- ALL FINAL SLOPES SHALL BE TO A SMOOTH AND EVEN GRADE, SHALL BE SURFACE TRACKWALKED, AND FINAL GRADED NOT TO EXCEED 1.5:1 (hcv).
- Sufficient Testing and Respection should be performed to monitor the suitability of fill materials and assure complance with the recommended compaction standards.
- 12. AGGREGATE BASE MATERIAL MAY BE USED FOR PAYEMENT SUBGRADE, PLACED BENEATH FOOTNASS OR FLOOR SLABS, OR USED AS TRENCH BACKFILL. THIS MATERIAL SHOULD MEET THE REQUIREMENTS IN THE CALTRANS STANDARD SPECIFICATIONS FOR 3/4"-CLASS 2 AGGREGATE BASE.

CLEARING, GRUBBING, & DEMOLITION NOTES:

- TREES SCHEDULED TO BE REMOVED SHALL BE REMOVED COMPLETELY INCLIDING STUMPS, ROOTS, BRANCHES, WOODY DEBRIS, BARK, AND FLESH. TREES SHALL BE REMOVED FROM THE SITE AND DEPOSITED IN LOCATIONS DESIGNATED BY THE OWNER.
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- ALL CENERATED AND ACCUMULATED CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A MANNER CONSISTENT WITH APPLICABLE LAWS AND REGULATIONS.
- 4. FOUNDATION CONCRETE SCHEDULED FOR REMOVAL SHALL BE COMPLETELY REMOVED INCLUDING STEM WALL AND FOOTING.
- ALL AREAS WITH GENERATED VOICS FROM DEMOLITION ACTIVITIES SHALL BE BACKFILLED WITH NATIVE SOIL TO FINISH GRADE IN 1' MAXIMUM VERTICAL LIFTS SUFFICIENTLY COMPACTED TO ELIMINATE SUBSIDENCE.
- 6. DUST CONTROL SHALL BE MAINTAINED DURING DEMOLITION PRACTICES.
- 7. TRACKING OF MATERIAL FROM THE SITE ONTO EXISTING ROADWAYS WILL NOT BE TOLERATED, TEMPORARY CONSTRUCTION SITE ENTRANCES SHOULD BE BUILT AT POINTS OF INTERSECTION TO EXISTING ROADWAYS AND PRACTICES SHOULD BE IMPLEMENTED TO REMOVE CONSTRUCTION MATTER FROM VEHICLES AND EQUIPMENT PRIOR TO LEAVING THE CONSTRUCTION SITE.
- B. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED FOR THE SITE AS SOON AS PRACTICAL AND SHALL BE IN PLACE PRIOR TO EXECUTION OF MAJOR DEMOLITION OPERATIONS.

PRE-EARTHWORK QUANTITIES

(C) CUT (CT): 180.85
(D) FIL (CT): 180.85

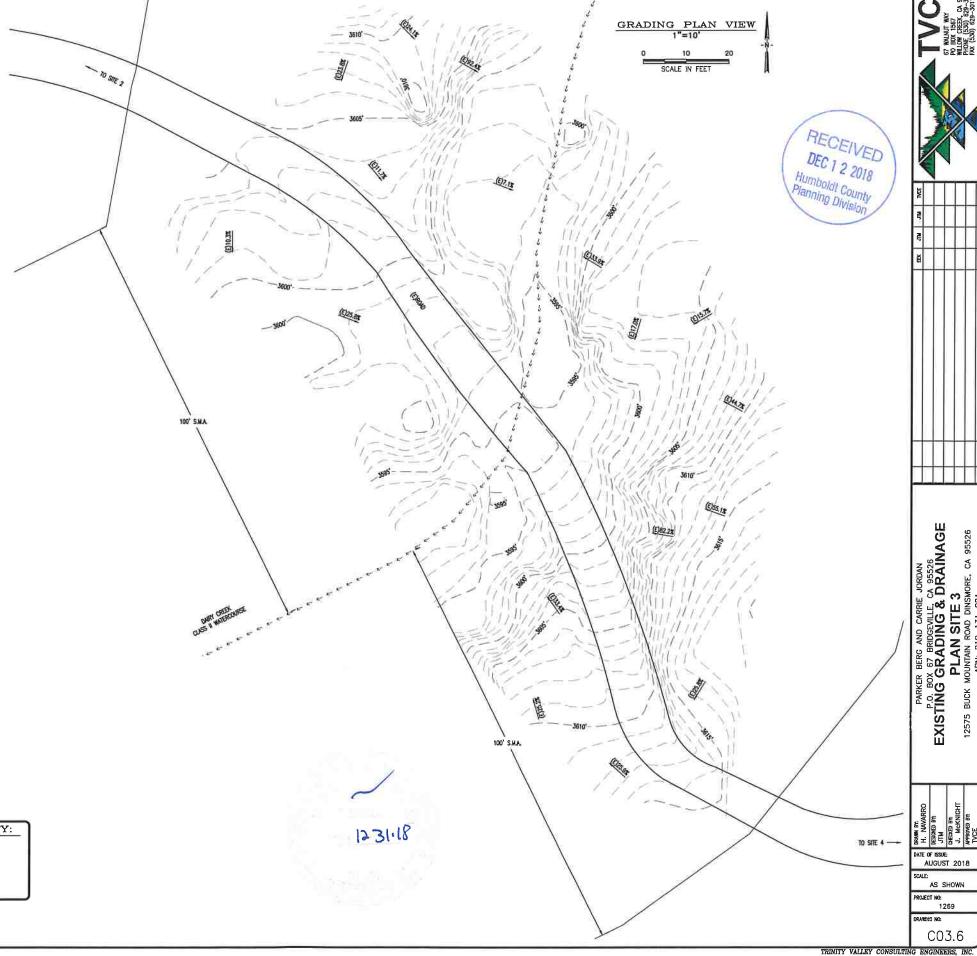
CUT AND FILL QUANTITIES ONSITE TO BE PERMANENT

PRE-GRADING ACTIVITY:

TOTAL ACREAGE: 37.55± Ac

ACRES DISTURBED: 0.22± Ac

ACRES DISTURBED: 0.22± Ac
ACRES UNDISTURBED: 37.33± Ac
PERCENTAGE OF LINDISTURBED AREA: 0.59%



. 6. 2.

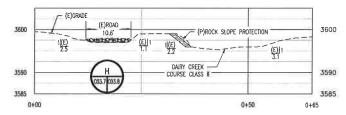


PROPOSED ROCK FORD CROSSING

PROPOSED ROCK SLOPE

PROPOSED ROCK SLOPE PROTECTION

PROPOSED RSP



SECTION 2

(P)EARTHWORK QUANTITIES:

CUT (CY): 55.13
FILL (CY): 0.12
NOTE:
CUT AND FILL QUANTITIES ONSITE TO BE PERMANENT

(P)GRADING ACTIVITY:

TOTAL ACREAGE: 37.55 ± Ac

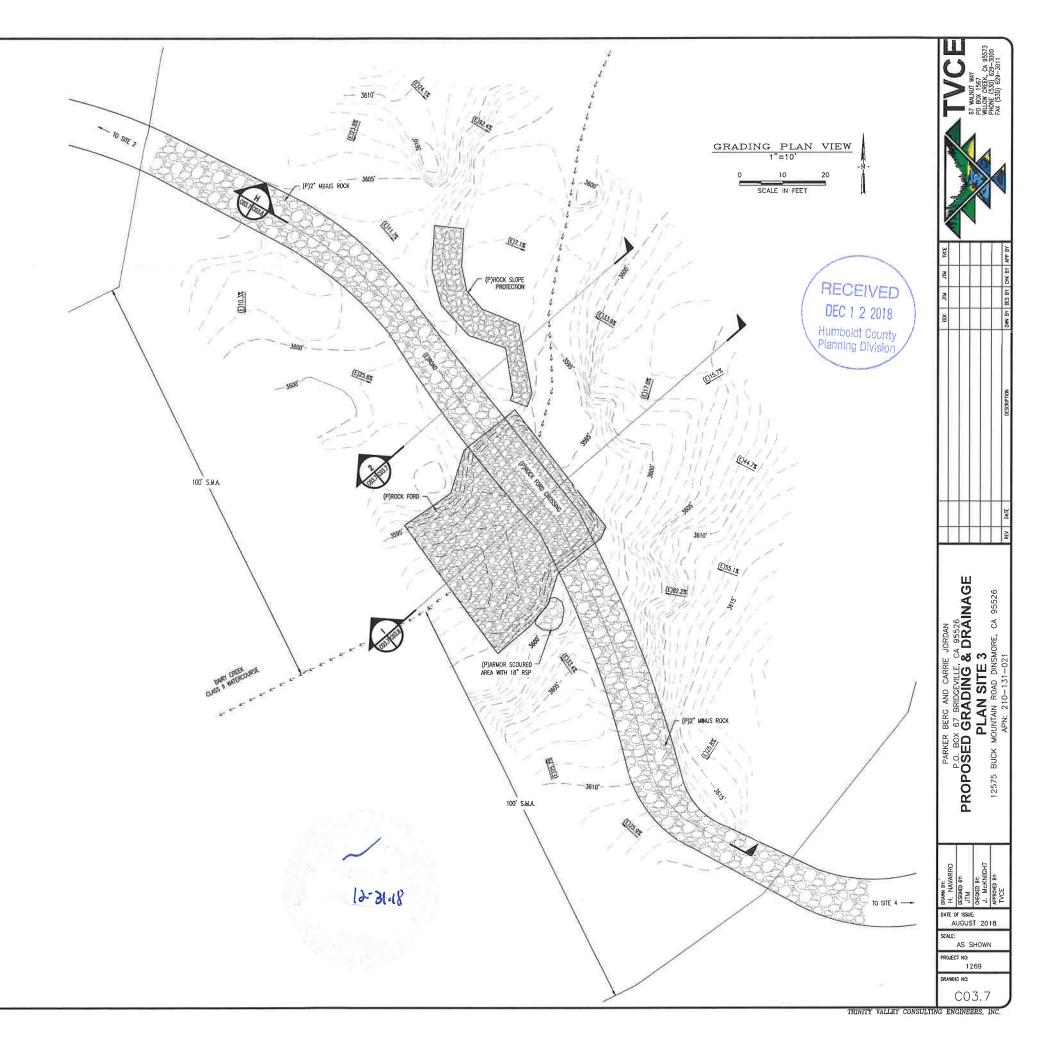
ACRES DISTURBED: 0.03 ± Ac

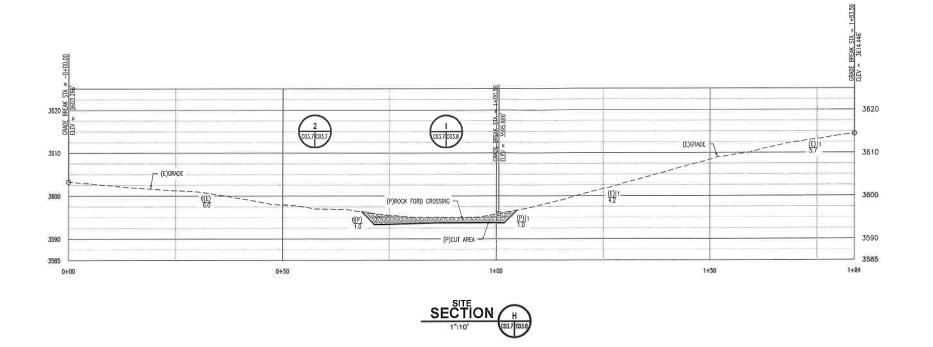
ACRES UNDISTURBED: 37.52 ± Ac

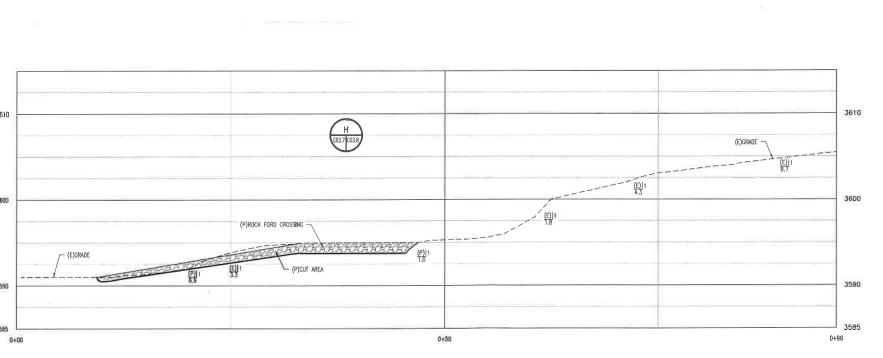
PERCENTAGE OF DISTURBED AREA: 0.08%

(D	DOCK	QUANTITIES:
(-	IRUCK	QUANTITIES:

ROCK FORD CROSSING: ROCK SLOPE PROTECTION: ROCK APPROACHES: TOTAL: 150.11 CUBIC YARDS 32.46 CUBIC YARDS 13.15 CUBIC YARDS 195.72 CUBIC YARDS

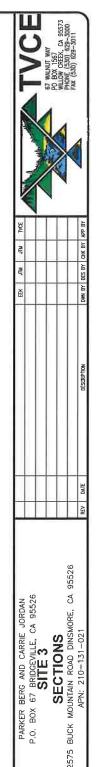










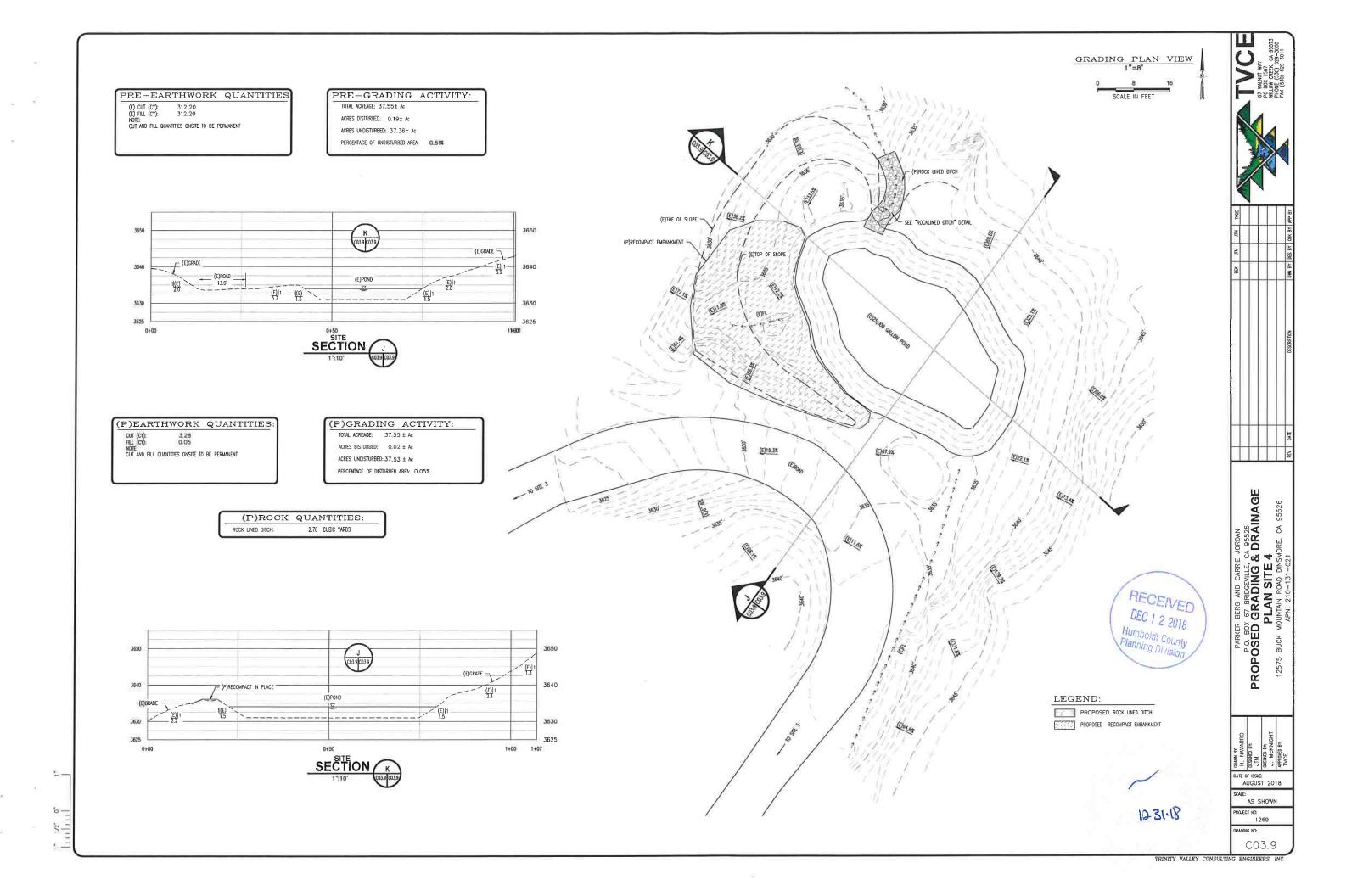


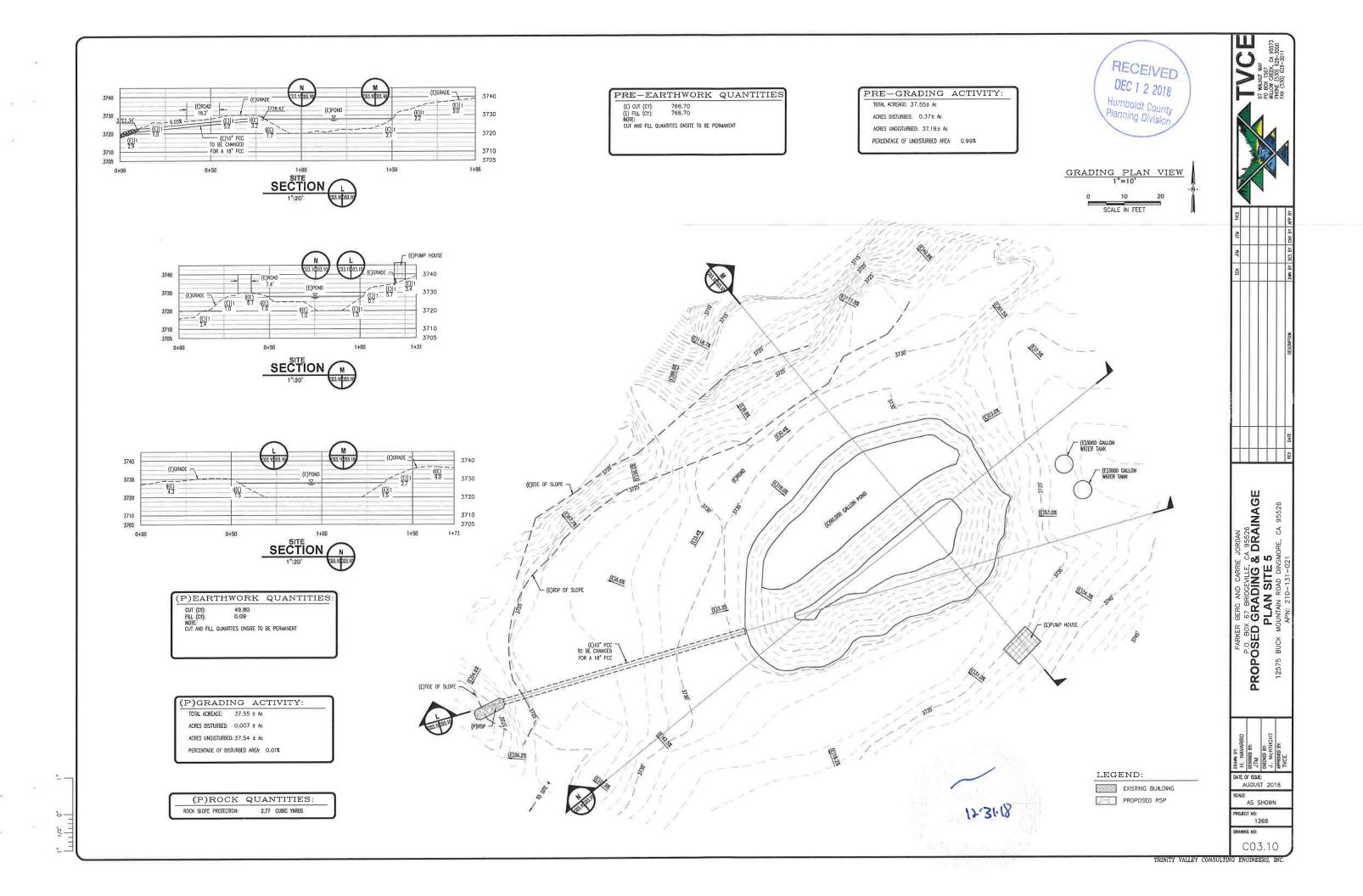
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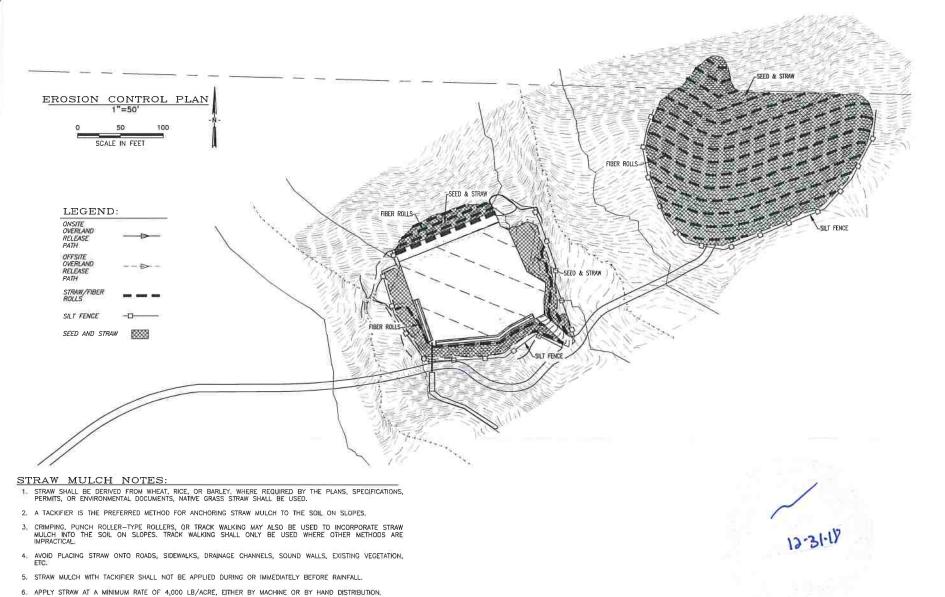
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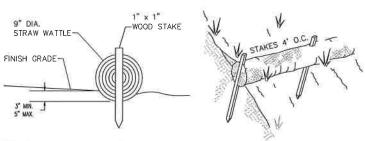
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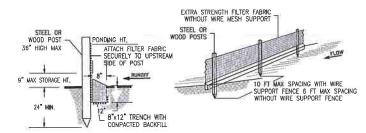
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DEC 1 2 2018
Humboldt County
Planning Division



STRAW WATTLE NOTES:

- 1. STRAW WATTLES SHALL BE INSTALLED WITH 18 OR 24 INCH WOOD STAKES AT FOUR FEET ON CENTER. THE ENDS OF ADJACENT STRAW WATTLES SHALL BE ABUTTED TO EACH OTHER SNUGLY OR OVERLAPPED BY SIX INCHES.
- STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3"-5" DEEP, RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND THE ROLL.

STRAW WATTLE INSTALLATION DETAIL NTS



SILT FENCE NOTES:

- 1. THE CONTRACTOR SHALL INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT.
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- 3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

SILT FENCE DETAILS

EROSION AND SEDIMENT CONTROL NOTES:

- EROSION CONTROL BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE INSTALLED AND MAINTAINED DURING THE WET SEASON (OCTOBER 1 THROUGH APRIL 30). SEDMENT CONTROL BMP'S SHALL BE INSTALLED AND MAINTAINED ALL YEAR.
- 2. ALL DRAINAGE INLETS NAMEDIATELY DOWNSTREAM OF THE WORK AREA AND WITHIN THE WORK AREA SHALL BE PROTECTED WITH SEDIMENT CONTROL AND INLET FILTER BAGS, YEAR ROUND.
- ALL STABILIZED CONSTRUCTION ACCESS LOCATIONS SHALL BE CONSTRUCTED PER STANDARD DRAWING TC-1 WHERE CONSTRUCTION TRAFFIC ENTERS
 OR LEAVES PAVED AREAS. THE STABILIZED ACCESS SHALL BE MAINTAINED ON A YEAR-ROUND BASIS UNTIL THE COMPLETION OF CONSTRUCTION.
- 4. ALL AREAS DISTURBED DURING CONSTRUCTION, BY GRADING, TRENCHING, OR OTHER ACTIMITIES, SHALL BE PROTECTED FROM EROSION DURING THE WET SEASON (OCTOBER 1 THROUGH APRIL 30). HYDROSEED, IF UTILIZED, MUST BE PLACED BY SEPTEMBER 15. HYDROSEED PLACED DURING THE WET SEASON SHALL USE A SECONDAY REDISTON PROTISTON METHOD.
- SENSITIVE AREAS AND AREAS WHERE EXISTING VEGETATION IS BEING PRESERVED SHALL BE PROTECTED WITH CONSTRUCTION FENCING. SEDIMENT CONTROL BUP'S SHALL BE INSTALLED WHERE ACTIVE CONSTRUCTION AREAS DRAIN INTO SENSITIVE OR PRESERVED VEGETATION AREAS.
- 6. SEDIMENT CONTROL BMP'S SHALL BE PLACED ALONG THE PROJECT PERIMETER WHERE DRAINAGE LEAVES THE PROJECT. SEDIMENT CONTROL BMP'S SHALL BE MANTAINED YEAR-ROUND UNTIL THE CONSTRUCTION IS COMPLETE OR THE DRAINAGE PATTERN HAS BEEN CHANGED AND NO LONGER LEAVES THE SITE.
- 7. ALL SLOPES GREATER THAN 1:1 SHALL RECEIVE SEED AND STRAW OR OTHER EROSION CONTROL
- 8. ALL FENCING AND EROSION CONTROL METHODS SHALL BE MAINTAINED THROUGHOUT ALL ON-SITE CONSTRUCTION ACTIMITIES.
- 9, ALL BMPS SHALL BE INSTALLED AND FUNCTIONING PRIOR TO ANY ANTICIPATED STORM EVENT.

NOTE:

(I.) CONTRACTOR MAY SUBSTITUTE TEMPORARY SILT FENCES FOR STRAW AND FIBER ROLLS AND VICE VERSA

BMP MAINTENANCE NOTES:

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PARKER BERG AND CARRE JORDAN
P.O. BOX 67 BRIDGEVILLE, CA 95526

ROSION CONTROL PLAN
& DETAILS SITE 1

575 BUCK MOUNTAIN BOY DINSMORE, CA 95526

ABN: 910-131-1031

PHASE OF CONSTRUCTION		ENOSION AND SEDIMENT CONTROL MEASURES									
	(WET SEASON)			(WET AND DRY SEASON)							
	HYDROSEEDING/ MULCHING	PRESERVATION OF EXISTING VEGETATION	STRAW/ FIBER ROLLS	SILT FENCE	CHECK DAM	STABILIZED CONSTRUCTION ENTRANCE	CONTRACTOR EQUIPMENT CONTROLS	MATERIAL & WASTE DISPOSAL LOCATION	DUST CONTROL	DEWATERING OPERATIONS	CONCRETE WASHOUT
PRE-GRADING		@ :	@ :			•		@ :			
CUT AND FILL ACTIVITIES				•							
UNDERGROUND WORK											
STORM DRAIN IMPROVEMENTS											
OFFSITE IMPROVEMENTS											
COMPLETION OF PAVING											

BMP INSTALLATION SCHEDULE

ROUGHEN EMBANKMENTS AND FILL RILLS BEFORE PLACING THE STRAW MULCH BY ROLLING WITH A CRIMPING OR PUNCHING TYPE ROLLER OR BY TRACK WALKING,

10. ON SLOPES WITH SOILS THAT ARE STABLE ENOUGH AND OF SUFFICIENT GRADIENT TO SAFELY SUPPORT CONSTRUCTION EQUIPMENT WITHOUT CONTRIBUTING TO COMPACTION AND INSTABILITY PROBLEMS, STRAW CAN BE "PUNCHED" INTO THE GROUND USING A KNIFE BLADE ROLLER OR A STRAIGHT BLADED COULTER, KNOWN

11. ON SMALL AREAS AND/OR STEEP SLOPES, STRAW CAN ALSO BE HELD IN PLACE USING PLASTIC NETTING OR JUTE. THE NETTING SHALL BE HELD IN PLACE USING 11 GAUGE WIRE STAPLES, GEOTEXTILE PINS OR WOODEN STAKES AS DESCRIBED IN EC-7, GEOTEXTILES AND MATS.

12. TACKIFIER ACTS TO GLUE THE STRAW FIBERS TOGETHER AND TO THE SOIL SURFACE. THE TACKIFIER SHALL BE SELECTED BASED ON LONGEVITY AND ABILITY TO HOLD THE FIBERS IN PLACE, A TACKIFIER IS TYPICALLY APPLIED AT A RATE OF 125 LB/ACRE. IN WINDY CONDITIONS, THE RATES ARE TYPICALLY 180LB/ACRE.

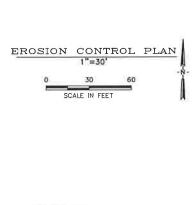
9. ON SMALL AREAS, A SPADE OR SHOVEL CAN BE USED TO PUNCH IN STRAW MULCH.

TRINITY VALLEY CONSULTING ENGINEERS, INC

DATE OF ISSUE: AUGUST 2018

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ROJECT NO:

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LEGEND:

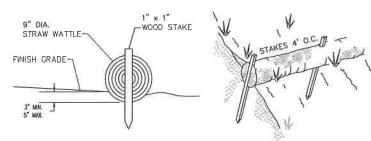
ONSITE OVERLAND RELEASE PATH RELEASE PATH STRAW/FIBER ROLLS SILT FENCE SEED AND STRAW

STRAW MULCH NOTES:

- STRAW SHALL BE DERIVED FROM WHEAT, RICE, OR BARLEY, WHERE REQUIRED BY THE PLANS, SPECIFICATIONS, PERMITS, OR ENVIRONMENTAL DOCUMENTS, NATIVE GRASS STRAW SHALL BE USED.
- CRIMPING, PUNCH ROLLER—TYPE ROLLERS, OR TRACK WALKING MAY ALSO BE USED TO INCORPORATE STRAW MULCH INTO THE SOIL ON SLOPES. TRACK WALKING SHALL, ONLY BE USED WHERE OTHER METHODS ARE IMPRACTICAL.
- AVOID PLACING STRAW ONTO ROADS, SIDEWALKS, DRAINAGE CHANNELS, SOUND WALLS, EXISTING VEGETATION, ETC.
- 5. STRAW MULCH WITH TACKIFIER SHALL NOT BE APPLIED DURING OR IMMEDIATELY BEFORE RAINFALL.
- 6. APPLY STRAW AT A MINIMUM RATE OF 4,000 LB/ACRE, EITHER BY MACHINE OR BY HAND DISTRIBUTION. 7. ROUGHEN EMBANKMENTS AND FILL RILLS BEFORE PLACING THE STRAW MULCH BY ROLLING WITH A CRIMPING
- OR PUNCHING TYPE ROLLER OR BY TRACK WALKING.
- 8. EVENLY DISTRIBUTE STRAW MULCH ON THE SOIL SURFACE.
- 9. ON SMALL AREAS, A SPADE OR SHOVEL CAN BE USED TO PUNCH IN STRAW MULCH.
- 10. ON SLOPES WITH SOILS THAT ARE STABLE ENOUGH AND OF SUFFICIENT GRADIENT TO SAFELY SUPPORT CONSTRUCTION EQUIPMENT WITHOUT CONTRIBUTING TO COMPACTION AND INSTABILITY PROBLEMS, STRAW CAN BE "PUNCHED" INTO THE GROUND USING A KNIFE BLADE ROLLER OR A STRAIGHT BLADED COULTER, KNOWN COMMERCIALLY AS A "CRIMPER".
- 11. ON SMALL AREAS AND/OR STEEP SLOPES, STRAW CAN ALSO BE HELD IN PLACE USING PLASTIC NETTING OR JUTE. THE NETTING SHALL BE HELD IN PLACE USING 11 GAUGE WIRE STAPLES, GEOTEXTILE PINS OR WOODEN STAKES AS DESCRIBED IN EC-7, GEOTEXTILES AND MATS.
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			BM	P INS	TALL	ATION S	SCHED	ULE					
		EROSION AND SEDIMENT CONTROL MEASURES											
PHASE OF	(WET SE	ASON)		(WET AND DRY SEASON)									
CONSTRUCTION	HYDROSEEDING/ MULCHING	PRESERVATION OF EXISTING VEGETATION	STRAW/ FIBER ROLLS	SILT FENCE	CHECK DAM	STABILIZED CONSTRUCTION ENTRANCE	CONTRACTOR EQUIPMENT CONTROLS	MATERIAL & WASTE DISPOSAL LOCATION	DUST CONTROL	DEWATERING OPERATIONS	CONCRETE WASHOUT		
PRE-GRADING		0	0			•	0	0					
CUT AND FILL ACTIVITIES				0									
UNDERGROUND WORK													
STORM DRAIN IMPROVEMENTS													
OFFSITE IMPROVEMENTS													
COMPLETION OF PAVING													
POST-GRADING	@	0											

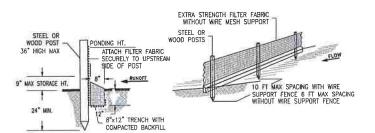
RECEIVED DEC 1 2 2018 Humboldt County Planning Division



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STRAW WATTLE INSTALLATION DETAIL



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DATE OF ISSUE: AUGUST 2018 AS SHOWN 1269 C04.2

PLAN 95526 PLAN 2 RE, CA 95

PARKEL DER PER STORE JOR P.O. BOX 67 BRIDGEMILE, C. 43 W. EROSION CONTROL F. & DETAILS SITE 2575 BUCK MOUNTAIN ROAD DINSMORE

8

9. ALL BMPS SHALL BE INSTALLED AND FUNCTIONING PRIOR TO ANY ANTICIPATED STORM EVENT.

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EROSION AND SEDIMENT CONTROL NOTES:

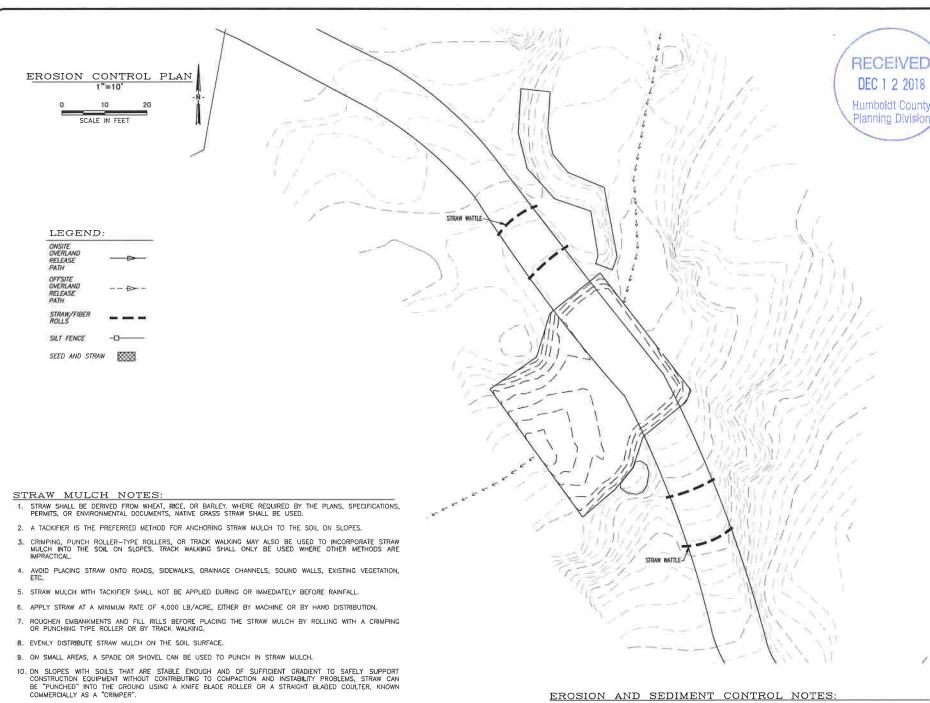
APRIL 30). SEDIMENT CONTROL BMP'S SHALL BE INSTALLED AND MAINTAINED ALL YEAR.

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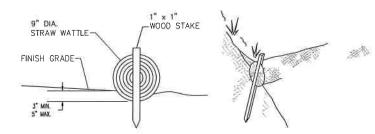
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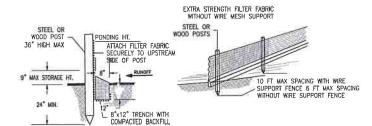
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95526 PLAN 3 RE, CA 955 S ARKER BERG AND CARRE JOR D. BOX 67 BRIDGENILE, CA 9 DSION CONTROL F & DETAILS SITE 2 CK MOUNTAIN ROAD DINSMORE ERO.

PHASE OF	(WET SEASON)			(WET AND DRY SEASON)							
CONSTRUCTION	HYDROSEEDING/ MULCHING	PRESERVATION OF EXISTING VEGETATION	STRAW/ FIBER ROLLS	SILT FENCE	CHECK DAM	STABILIZED CONSTRUCTION ENTRANCE	CONTRACTOR EQUIPMENT CONTROLS	MATERIAL & WASTE DISPOSAL LOCATION	DUST CONTROL	DEWATERING OPERATIONS	CONCRETE WASHOUT
PRE-GRADING		6	0			0		•	6		
CUT AND FILL ACTIVITIES				@ 1							
UNDERGROUND WORK											
STORM DRAIN IMPROVEMENTS											
OFFSITE IMPROVEMENTS											
COMPLETION											

BMP INSTALLATION SCHEDULE

EROSION AND SEDIMENT CONTROL MEASURES

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POST-GRADING

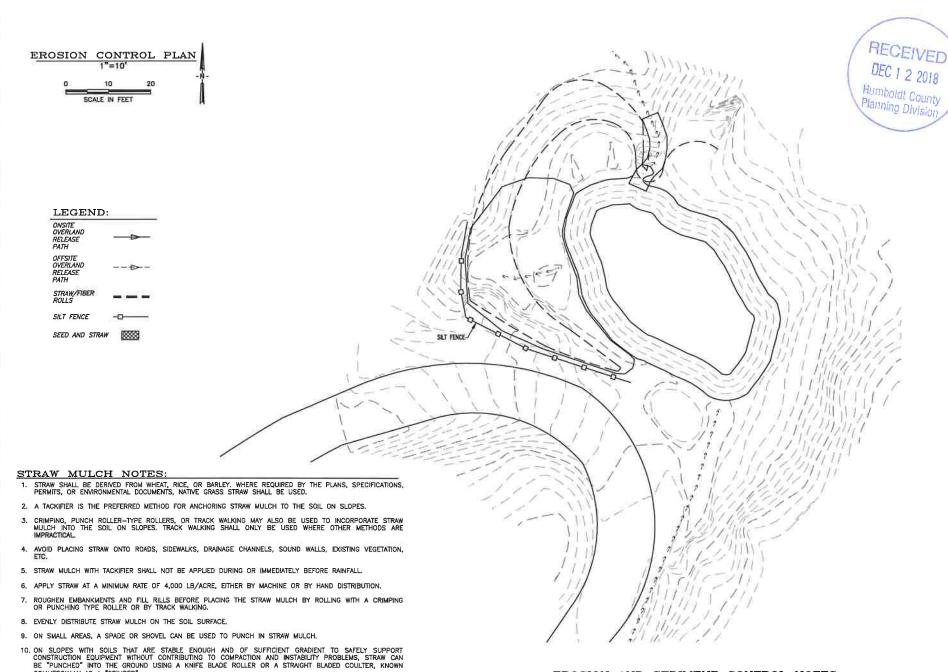
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DATE OF ISSUE:

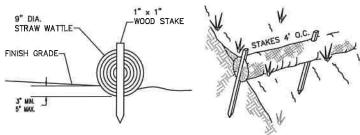
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EROSION AND SEDIMENT CONTROL NOTES:

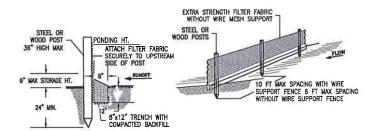
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- SEDIMENT CONTROL BMP'S SHALL BE PLACED ALONG THE PROJECT PERIMETER WHERE DRAINAGE LEAVES THE PROJECT. SEDIMENT CONTROL BMP'S SHALL BE MANTAINED YEAR-ROUND UNTIL THE CONSTRUCTION IS COMPLETE OR THE DRAINAGE PATTERN HAS BEEN CHANCED AND NO LONGER LEAVES THE SITE.
- 7. ALL SLOPES GREATER THAN 1:1 SHALL RECEIVE SEED AND STRAW OR OTHER EROSION CONTROL.
- B. ALL FENCING AND EROSION CONTROL METHODS SHALL BE MAINTAINED THROUGHOUT ALL ON-SITE CONSTRUCTION ACTIVITIES.
- 9. ALL BMPS SHALL BE INSTALLED AND FUNCTIONING PRIOR TO ANY ANTICIPATED STORM EVENT.



STRAW WATTLE NOTES:

- STRAW WATTLES SHALL BE INSTALLED WITH 18 OR 24 INCH WOOD STAKES AT FOUR FEET ON CENTER. THE ENDS OF ADJACENT STRAW WATTLES SHALL BE ABUTTED TO EACH OTHER SNUGLY OR OVERLAPPED BY SIX
- STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3"-5"
 DEEP, RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND THE ROLL.

STRAW WATTLE INSTALLATION DETAIL



SILT FENCE NOTES:

- 1. THE CONTRACTOR SHALL INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT.
- CONTRACTOR SHALL REMOVE SEDIMENT AS NECESSARY, REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND IN AN AREA THAT CAN BE PERMANENTLY STABLEZED.
- 3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

SILT FENCE DETAILS NTS



1. CONTRACTOR MAY SUBSTITUTE TEMPORARY SILT FENCES FOR STRAW AND FIBER ROLLS AND VICE VERSA

BMP MAINTENANCE NOTES:

ALL OF THE IMPLEMENTED BIJPS SHALL BE RISPECTED AND CORRECTED AS NEEDED PRIOR TO, DURING, AND DIRECTLY FOLLOWING ANY STORM EVENT, OR WHENEVER PRACTICAL.

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95526 PLAN 4 4 RE, CA 958

PARKER BERG AND CARRIE JORI P.O. BOX 67 BRIDGENILE, A 95 EROSION CONTROL P & DETAILS SITE 4 575 BUCK MOUNTAIN ROAD DINSMORE.

(WET AND DRY SEASON) (WET SEASON) CONTRACTOR EQUIPMENT CONTROLS CONSTRUCTION NDROSEEDING/PRESERVATION
MULCHING
PRESERVATION
OF EXISTING
VEGETATION SILT FENCE DUST DEWATERING CONTROL OPERATIONS CONCRETE WASHOUT PRE-GRADING . . 0 0 0 CUT AND FILL ACTIVITIES • UNDERGROUN STORM DRAIN IMPROVEMENTS COMPLETION OF PAVING

BMP INSTALLATION SCHEDULE

EROSION AND SEDIMENT CONTROL MEASURES

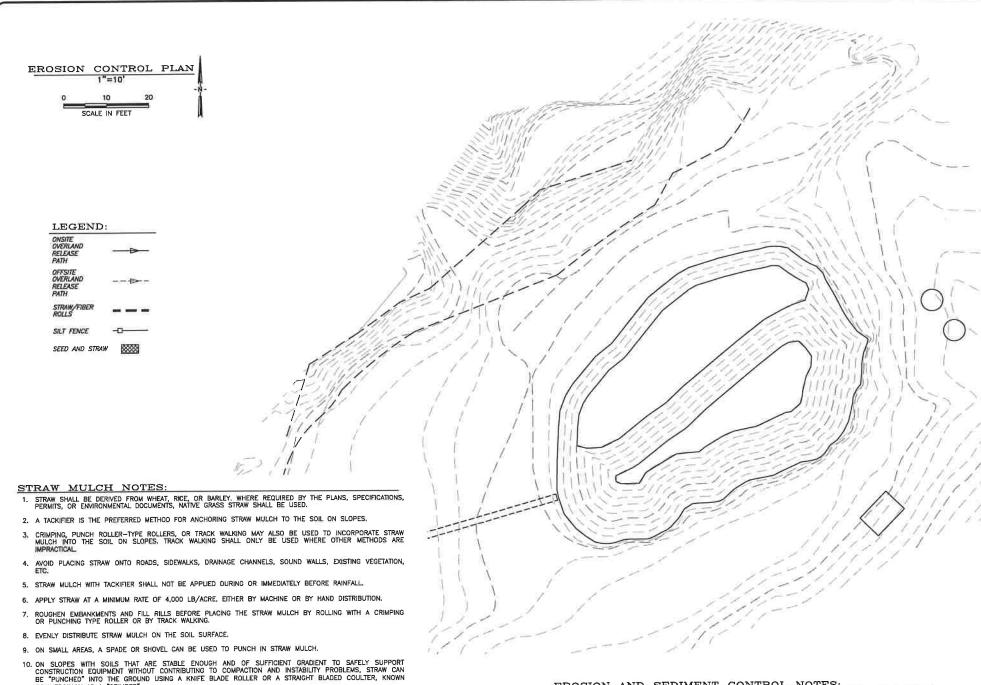
11. ON SMALL AREAS AND/OR STEEP SLOPES, STRAW CAN ALSO BE HELD IN PLACE USING PLASTIC NETTING OR JUTE. THE NETTING SHALL BE HELD IN PLACE USING 11 GAUGE WIRE STAPLES, GEOTEXTILE PINS OR WOODEN STAKES AS DESCRIBED IN EC-7, GEOTEXTILES AND MATS.

12. TACKIFIER ACTS TO GLUE THE STRAW FIBERS TOGETHER AND TO THE SOIL SURFACE. THE TACKIFIER SHALL BE SELECTED BASED ON LONGEVITY AND ABILITY TO HOLD THE FIBERS IN PLACE. A TACKIFIER IS TYPICALLY APPLIED AT A RATE OF 125 LB/ACRE. IN WINDY CONDITIONS, THE RATES ARE TYPICALLY 180LB/ACRE.

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POST-GRADING

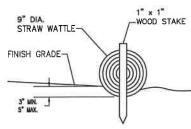
TRINITY VALLEY CONSULTING ENGINEERS.



EROSION AND SEDIMENT CONTROL NOTES:

- EROSION CONTROL BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE INSTALLED AND MAINTAINED DURING THE WET SEASON (OCTOBER 1 THROUGH APRIL 30). SEDMENT CONTROL BMP'S SHALL BE INSTALLED AND MAINTAINED ALL YEAR.
- 3. ALL STABILIZED CONSTRUCTION ACCESS LOCATIONS SHALL BE CONSTRUCTED PER STANDARD DRAWING TC-1 WHERE CONSTRUCTION TRAFFIC DITERS OR LEAVES PAYED AREAS. THE STABILIZED ACCESS SHALL BE MAINTANIED ON A YEAR-ROUND BASS UNTIL THE COMPLETION OF CONSTRUCTION.
- ALL AREAS DISTURBED DURING CONSTRUCTION, BY GRADING, TRENCHING, OR OTHER ACTIVITIES, SHALL BE PROTECTED FROM EROSION DURING THE WET SEASON (OCTOBER 1 THROUGH APRIL 30). HYDROSEED, IF UTILIZED, MUST BE PLACED BY SEPTEMBER 15. HYDROSEED PLACED DURING THE WET SEASON SHALL USE A SECONDARY EROSION PROTECTION METHOD.
- SENSITIVE AREAS AND AREAS WHERE EXISTING VEGETATION IS BEING PRESERVED SHALL BE PROTECTED WITH CONSTRUCTION FENCING. SEDIMENT CONTROL BMP'S SHALL BE INSTALLED WHERE ACTIVE CONSTRUCTION AREAS DRAIN INTO SENSITIVE OR PRESERVED VEGETATION AREAS.
- SEDIMENT CONTROL BMP'S SHALL BE PLACED ALONG THE PROJECT PERIMETER WHERE DRAINAGE LEAVES THE PROJECT. SEDIMENT CONTROL BMP'S SHALL BE MANTANED YEAR-ROUND UNTIL THE CONSTRUCTION IS COMPLETE OR THE DRAINAGE PATTERN HAS BEEN CHANGED AND NO LONGER LEAVES THE SITE.
- 7. ALL SLOPES GREATER THAN 1:1 SHALL RECEIVE SEED AND STRAW OR OTHER EROSION CONTROL
- 8. ALL FENCING AND EROSION CONTROL METHODS SHALL BE MAINTAINED THROUGHOUT ALL ON-SITE CONSTRUCTION ACTIVITIES.
- 9. ALL BMPS SHALL BE INSTALLED AND FUNCTIONING PRIOR TO ANY ANTICIPATED STORM EVENT.

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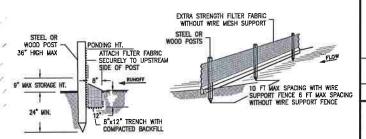




STRAW WATTLE NOTES:

- STRAW WATLES SHALL BE INSTALLED WITH 18 OR 24 INCH WOOD STAKES AT FOUR FEET ON CENTER. THE ENDS OF ADJACENT STRAW WATLES SHALL BE ABUTTED TO EACH OTHER SNUGLY OR OVERLAPPED BY SIX
- STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3"-5" DEEP. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND THE ROLL.

STRAW WATTLE INSTALLATION DETAIL



SILT FENCE NOTES:

- THE CONTRACTOR SHALL INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT.
- CONTRACTOR SHALL REMOVE SEDIMENT AS NECESSARY, REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND IN AN AREA THAT CAN BE PERMANENTLY STABILIZED.
- 3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY,

SILT FENCE DETAILS NTS



NOTE:

1. CONTRACTOR MAY SUBSTITUTE TEMPORARY SILT FENCES FOR STRAW AND FIBER ROLLS AND VICE VERSA

BMP MAINTENANCE NOTES:

ALL OF THE IMPLEMENTED BMPS SHALL BE INSPECTED AND CORRECTED AS NEEDED PRIOR TO, DURING, AND DIRECTLY FOLLOWING ANY STORM EVENT, OR WHENEVER PRACTICAL.

DATE OF ISSUE AUGUST 2018 AS SHOWN

DRDAN 95526 **PLAN** 5 RE, CA 955

BERG AND CARRIE JOR ON CONTROL DETAILS SITE OUNTAIN ROAD DINSMORE

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P.O. BOX 6
EROSION
& DE
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ROJECT NO: 1269

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OF .	(WET SE	EASON)		(WET AND DRY SEASON)								
CONSTRUCTION	HYDROSEEDING/ MULCHING	PRESERVATION OF EXISTING VEGETATION	STRAW/ FIBER ROLLS	SILT FENCE	CHECK DAN	STABILIZED CONSTRUCTION ENTRANCE	CONTRACTOR EQUIPMENT CONTROLS	MATERIAL & WASTE DISPOSAL LOCATION	DUST CONTROL	DEWATERING OPERATIONS	CONCRETE WASHOUT	
PRE-GRADING						•	0		0			
CUT AND FILL ACTIVITIES				0								
UNDERGROUND WORK												
STORM DRAIN IMPROVEMENTS												
OFFSITE IMPROVEMENTS												

BMP INSTALLATION SCHEDULE

EROSION AND SEDIMENT CONTROL MEASURES

11. ON SMALL AREAS AND/OR STEEP SLOPES, STRAW CAN ALSO BE HELD IN PLACE USING PLASTIC NETTING OR JUTE. THE NETTING SHALL BE HELD IN PLACE USING 11 GAUGE WIRE STAPLES, GEOTEXTILE PINS OR WOODEN STAKES AS DESCRIBED IN EC-7, GEOTEXTILES AND MATS.

12. TACKIFIER ACTS TO GLUE THE STRAW FIBERS TOGETHER AND TO THE SOIL SURFACE. THE TACKIFIER SHALL BE SELECTED BASED ON LONGEVITY AND ABILITY TO HOLD THE FIBERS IN PLACE. A TACKIFIER IS TYPICALLY APPLIED AT A RATE OF 125 LB/ACRE. IN WINDY CONDITIONS, THE RATES ARE TYPICALLY 180LB/ACRE.

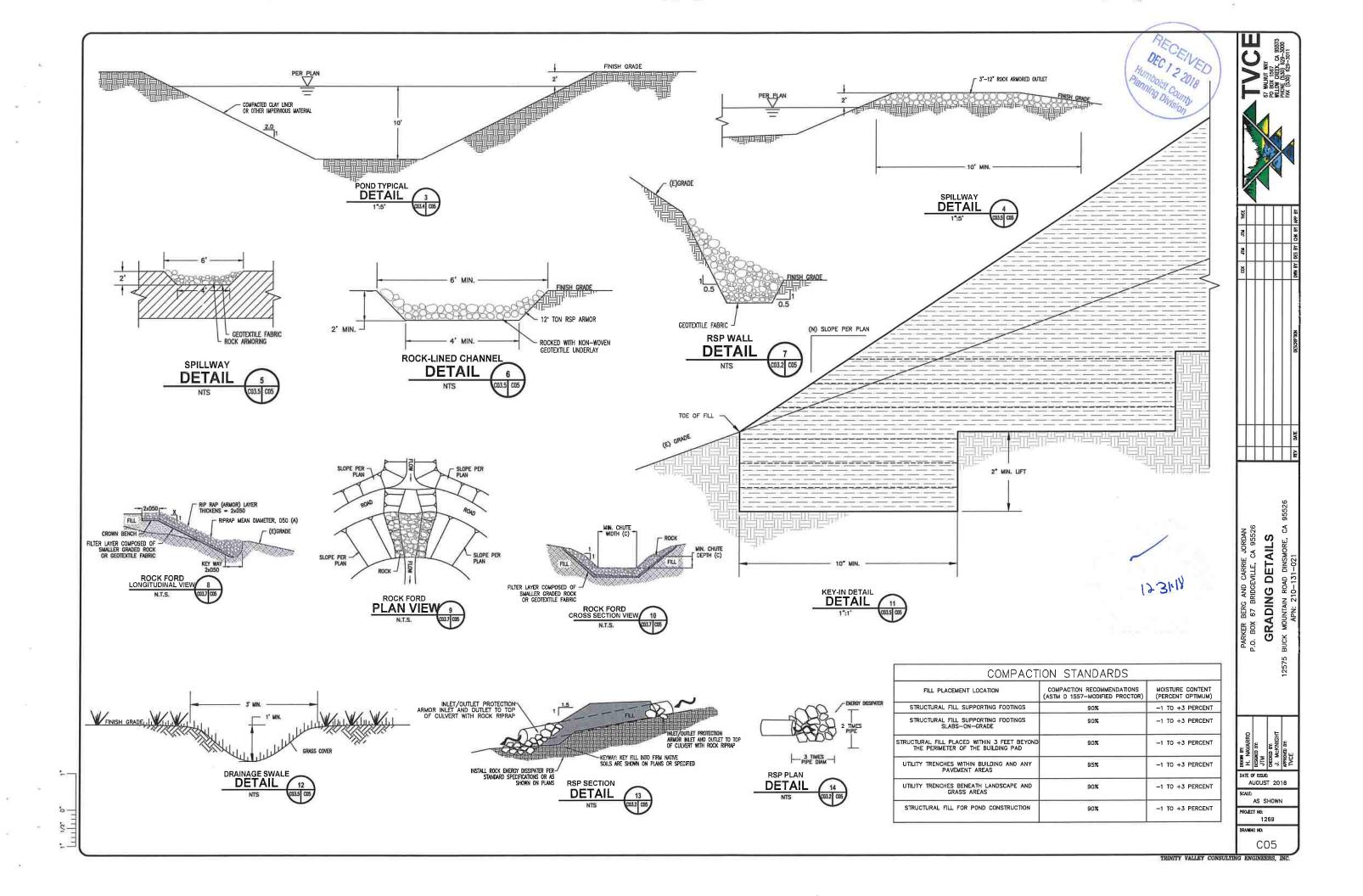
COMPLETION OF PAVING

POST-GRADING

COMMERCIALLY AS A "CRIMPER".

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TRINITY VALLEY CONSULTING ENGINEERS, IN



GENERAL NOTES:

- 1, WHERE WORKING AREAS ENCROACH ON LIVE STREAMS, BARRIERS ADEQUATE TO PREVENT THE FLOW OF MUDDY WATER INTO STREAMS SHALL BE CONSTRUCTED AND MAINTAINED BETWEEN WORKING AREAS AND STREAMS, DURING CONSTRUCTION OF THE BARRIERS, MUDDYING OF THE STREAMS SHALL BE HELD TO A MINIMUM.
- WHEN ANY ARTIFICIAL OBSTRUCTION IS BEING CONSTRUCTED, MAINTAINED, OR PLACED IN OPERATION, SUFFICIENT WATER SHALL BE ALLOWED TO PASS DOWNSTREAM TO MAINTAIN ADILATE LIFE DOWNSTREAM.
- 3. DISTURBANCE OR REMOVAL OF VEGETATION SHALL NOT EXCEED THE MINIMUM NECESSARY TO COMPLETE OPERATIONS.
- DISTURBED VEGETATION SHALL BE REPLACED WITH THE APPROPRIATE SOIL STABILIZATION MEASURES.
- CONSTRUCT DIVERSION STRUCTURES WITH MATERIALS FREE OF POTENTIAL POLLUTANTS SUCH AS SOIL, SILT, SAND, CLAY, GREASE, OR OIL.

INSPECTION/ MAINTENANCE NOTES:

- INSPECT DIVERSIONS/ ENCROACHMENT STRUCTURES BEFORE AND AFTER SIGNIFICANT STORMS, AND AT LEAST ONCE PER WEEK WHILE IN SERVICE. INSPECT DAILY DURING CONSTRUCTION PRACTICES.
- INSPECT EMBANKMENTS AND DIVERSION CHANNELS BEFORE AND AFTER SIGNIFICANT STORMS, AND AT LEAST ONCE PER WEEK WHILE IN SERVICE FOR DAMAGE TO THE LININGS, ACCUMULATING DEBRIS, SEDIMENT BUILDUP, AND ADEQUACY OF THE SLOPE PROTECTION. REMOVE DEBRIS AND REPAIR LININGS AND SLOPE PROTECTION AS REQUIRED. REPAIR HOLES, GAPS, OR SCOUR.
- 3. SAMPLING FOR WATER QUALITY SHALL BE PERFORMED PER THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) DATED MARCH 26,2012
- 4. ALL OF THE IMPLEMENTED BMPS SHALL BE INSPECTED AND CORRECTED AS NEEDED PRIOR TO, DURING, AND DIRECTLY FOLLOWING ANY STORM EVENT.

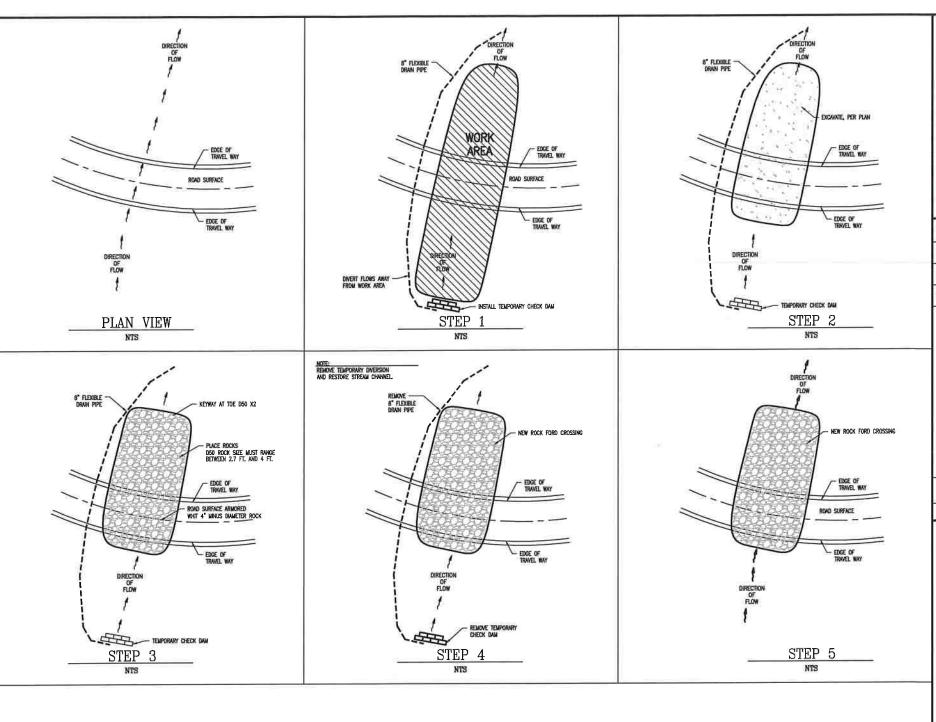
CONSTRUCTION NOTES:

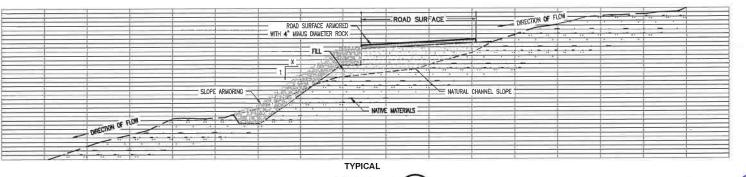
- 1). CONSTRUCT CLEAR WATER DIVERSION BEFORE CONSTRUCTION OF NEW CULVERT CROSSING BEGINS.
- 2. DIVERT WATER INTO THE EXISTING CULVERT PER NS-5
- 3. TEMPORARY PIPE SHALL BE ADEQUATELY SIZED FOR THE ANTICIPATED WATER FLOWS (TYPICALLY 6° -24 $^{\circ}$).
- CONSTRUCT DIVERSION OUTSIDE OF THE ANTICIPATED WORK AREA, TO AVOID CONFLICTS AND UNWANTED CONTAMINANTS FROM ENTERING THE WATER COURSE.
- 5. CONSTRUCT NEW CULVERT PER PLAN.
- INSTALL ALL INLET AND OUTLET RSP PER PLAN PRIOR TO DIVERTING WATER INTO THE NEW CULVERT.
- 7. REMOVE OR ABANDON OLD CULVERT PER THE PLANS, SPECIFICATIONS, OR AS DIRECTED.
- 8. INSTALL TEMPORARY DIVERSION INTO NEW CULVERT AND CONSTRUCT HEADWALL PER PLAN
- UPON COMPLETION OF WORK, REMOVE THE DIVERSION AND ALLOW STREAM TO FLOW FREELY THROUGH THE NEW CULVERT.
- 10. RESTORE THE STREAM CHANNEL PER PLAN.

EROSION AND SEDIMENT CONTROL NOTES:

- EROSION CONTROL BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE INSTALLED AND MAINTAINED DURING THE WET SEASON (OCTOBER 1 THROUGH APRIL 30). SEDIMENT CONTROL BMP'S SHALL BE INSTALLED AND MAINTAINED ALL YEAR.
- ALL DRAINAGE INLETS INMEDIATELY DOWNSTREAM OF THE WORK AREA AND WITHIN THE WORK AREA SHALL BE PROTECTED
 WITH SEDIMENT CONTROL PRACTICES AND/OR INLET FILTER BAGS, YEAR ROUND.
- ALL AREAS DISTURBED DURING CONSTRUCTION, BY GRADING, TRENCHING, OR OTHER ACTIVITIES, SHALL BE PROTECTED FROM EROSION DURING THE WET SEASON.
- 4. SENSITIVE AREAS AND AREAS WHERE EXISTING VEGETATION IS BEING PRESERVED SHALL BE PROTECTED WITH CONSTRUCTION FEMORE, SEDIMENT CONTROL BMP'S SHALL BE INSTALLED WHERE ACTIVE CONSTRUCTION AREAS DRAIN INTO SENSITIVE OR PRESERVED VEGETATION AREAS.
- 5. SEDIMENT CONTROL BMP'S SHALL BE PLACED ALONG THE PROJECT PERIMETER WHERE DRAINAGE LEAVES THE PROJECT. SEDIMENT CONTROL BMP'S SHALL BE MAINTAINED YEAR-ROUND UNTIL THE CONSTRUCTION IS COMPLETE OR THE DRAINAGE PATTERN HAS BEEN CHANGED AND NO LONGER LEAVES THE SITE.
- 6. ALL SLOPES GREATER THAN 10:1 SHALL RECEIVE HYDROSEEDING OR OTHER EROSION CONTROL.
- ALL FENCING AND EROSION CONTROL METHODS SHALL BE MAINTAINED THROUGHOUT ALL ON-SITE CONSTRUCTION ACTIVITIES.
- 8. ALL BMPS SHALL BE INSTALLED AND FUNCTIONING PRIOR TO ANY ANTICHPATED STORM EVENT.







PROFILE 15 003.5 006

12-31-18

DATE OF SSUE

AUGUST 2018

SCALE

AS SHOWN

PROJECT NO:
1269

DORANGIC NO:

CO6

DIVERSION

WATER

CLEAR

EMPORARY