JOHN SMITH ROAD LANDFILL STOCKPILE GRADING PLAN PORTIONS OF APN: 025-190-011

APN: 025-190-072

JANUARY 2020

PROJECT DESCRIPTION:

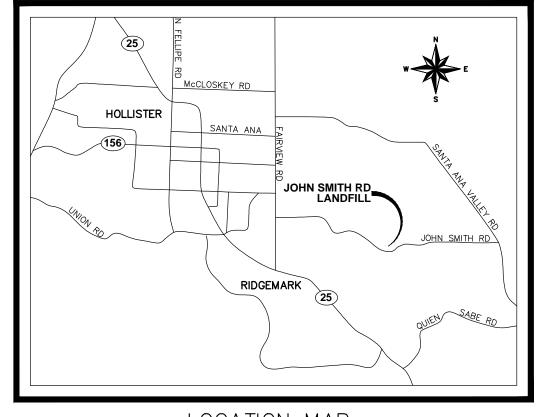
THESE PLANS ARE SPECIFIC TO TEMPORARY STOCKPILING OF NATIVE SOILS FROM THE JOHN SMITH ROAD LANDFILL TO THE ADJACENT PROPERTY, AS SHOWN ON THE ATTACHED. THE LANDFILL IS EXEMPT FROM GRADING PERMITS, HOWEVER, THE OFFSITE TEMPORARY STOCKPILING IS SUBJECT TO A GRADING PERMIT.

THE TEMPORARY STOCKPILING IS REQUIRED AND RELATED TO MODULE 8 OF THE EXISTING LANDFILL AND UNRELATED TO FUTURE EXPANSIONS OR IMPROVEMENTS TO THE FACILITY. NO BUILDING, UTILITIES, ROADWAYS, OR INFRASTRUCTURE IS BEING PROPOSED AS PART OF THIS PROJECT, ONLY GRADING AND DRAINAGE RELATED

THIS PROJECT WILL BE SUBJECT TO A CONSTRUCTION GENERAL STORMWATER PERMIT (CGP), INCLUDING PREPARATION OF A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) THAT WILL BE PREPARED BY THE SELECTED CONTRACTOR FOR THE PROJECT.

OREGON





LOCATION MAP 1"=5,000"

	DRAWING	DRAWING TITLE					
		COVERSHEET & SITE LOCATION					
^	1.0	SITE PLAN					
<u> </u>	2.0	GRADING AND DRAINAGE PLAN					
ADDENDUM 1;	2.0A	STOCKPILE BASIN					
SHEET ADDED	2.1	TYPICAL DETAILS					
	2.2	TYPICAL DETAILS					
	2.3	TYPICAL DETAILS					
	3.0	EROSION CONTROL LEGEND					
^	3.1	EROSION CONTROL PLAN					
<u>/1</u> \	3.2	EROSION CONTROL DETAILS					
ADDENDUM 1;	4.0	FAIRCLOTH SKIMMER	/				
SHEET ADDED							

PLANS PREPARED BY:

INDEX TO DRAWINGS

LAWRENCE AND ASSOCIATES

3590 IRON CT. SHASTA LAKE, CA 96019 (530) 275-4800

DAVID C. BROWN

CE 69135

PLANS PREPARED FOR:

WASTE SOLUTIONS OF SAN BENITO. LLC JOHN SMITH ROAD LANDFILL

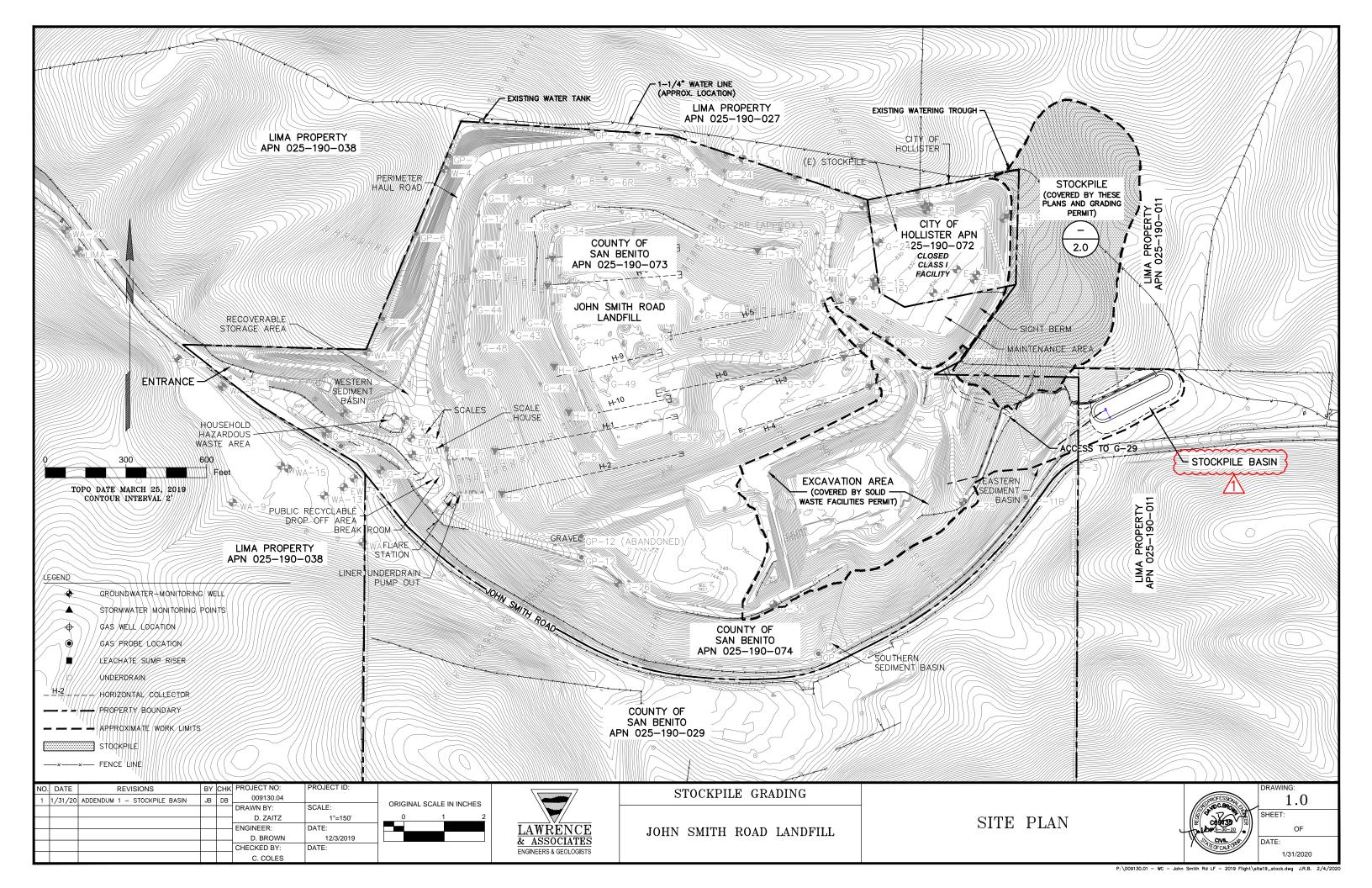
2650 JOHN SMITH ROAD HOLLISTER, CA 95023 (831) 637-4515

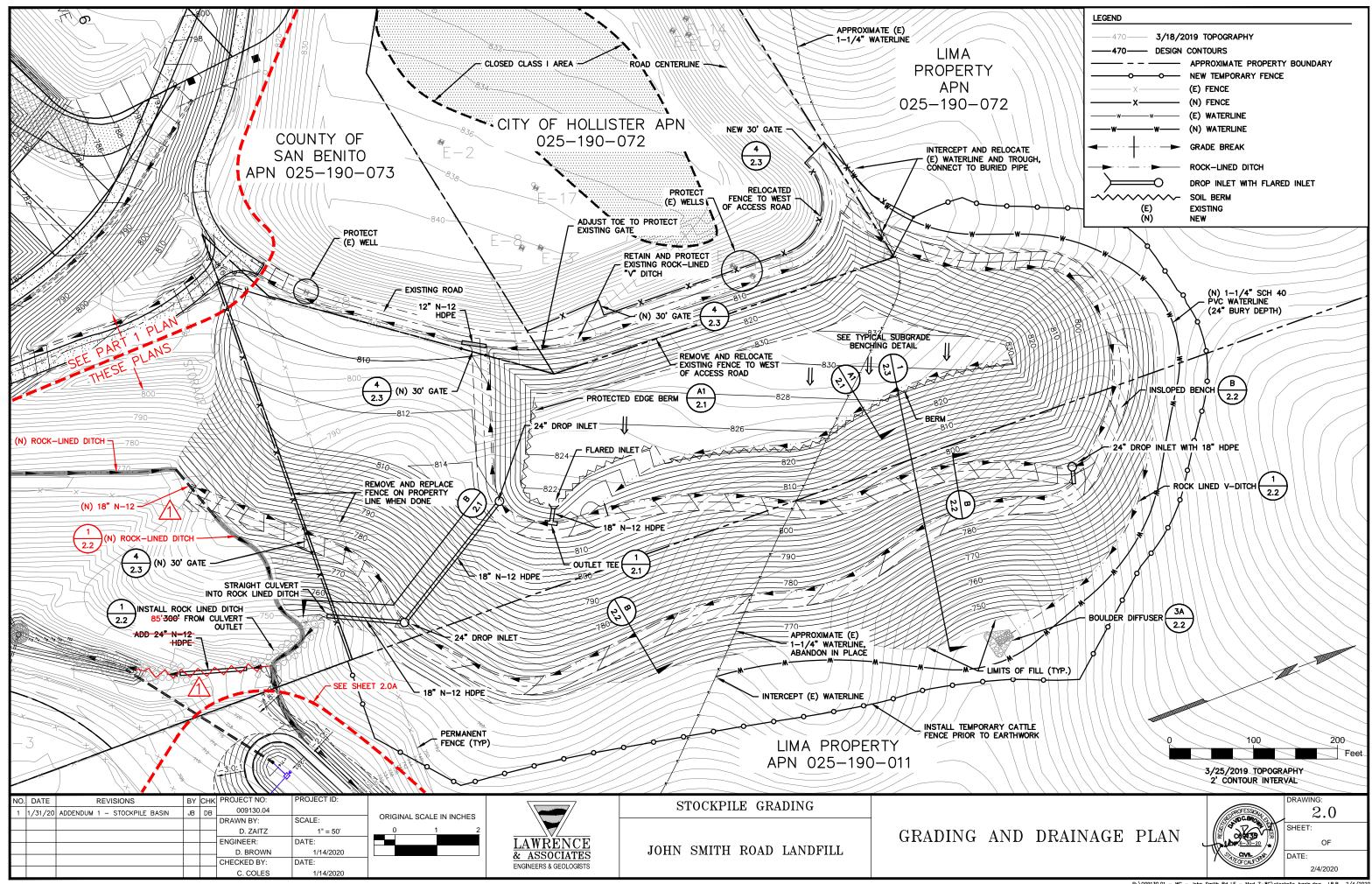
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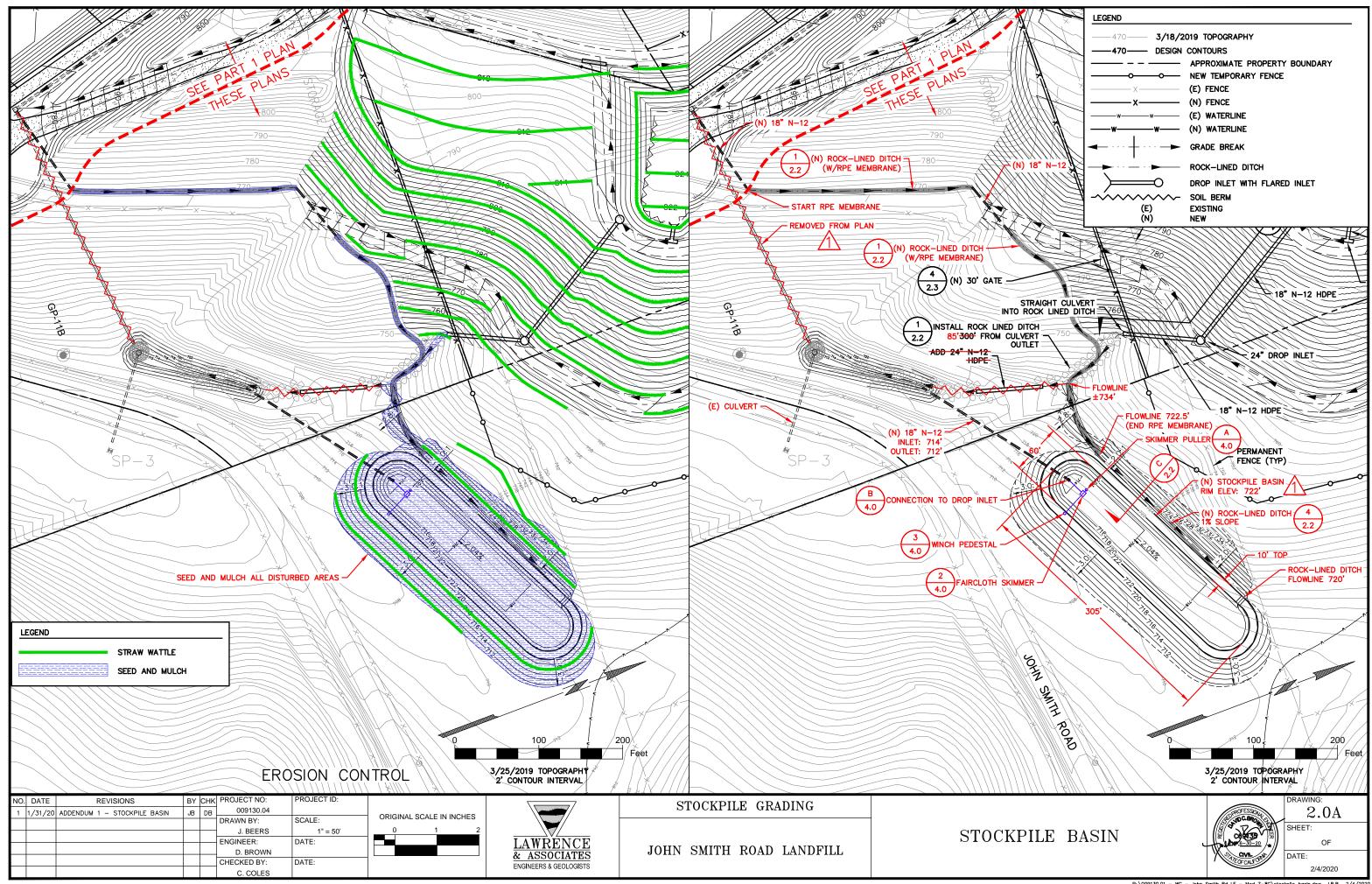
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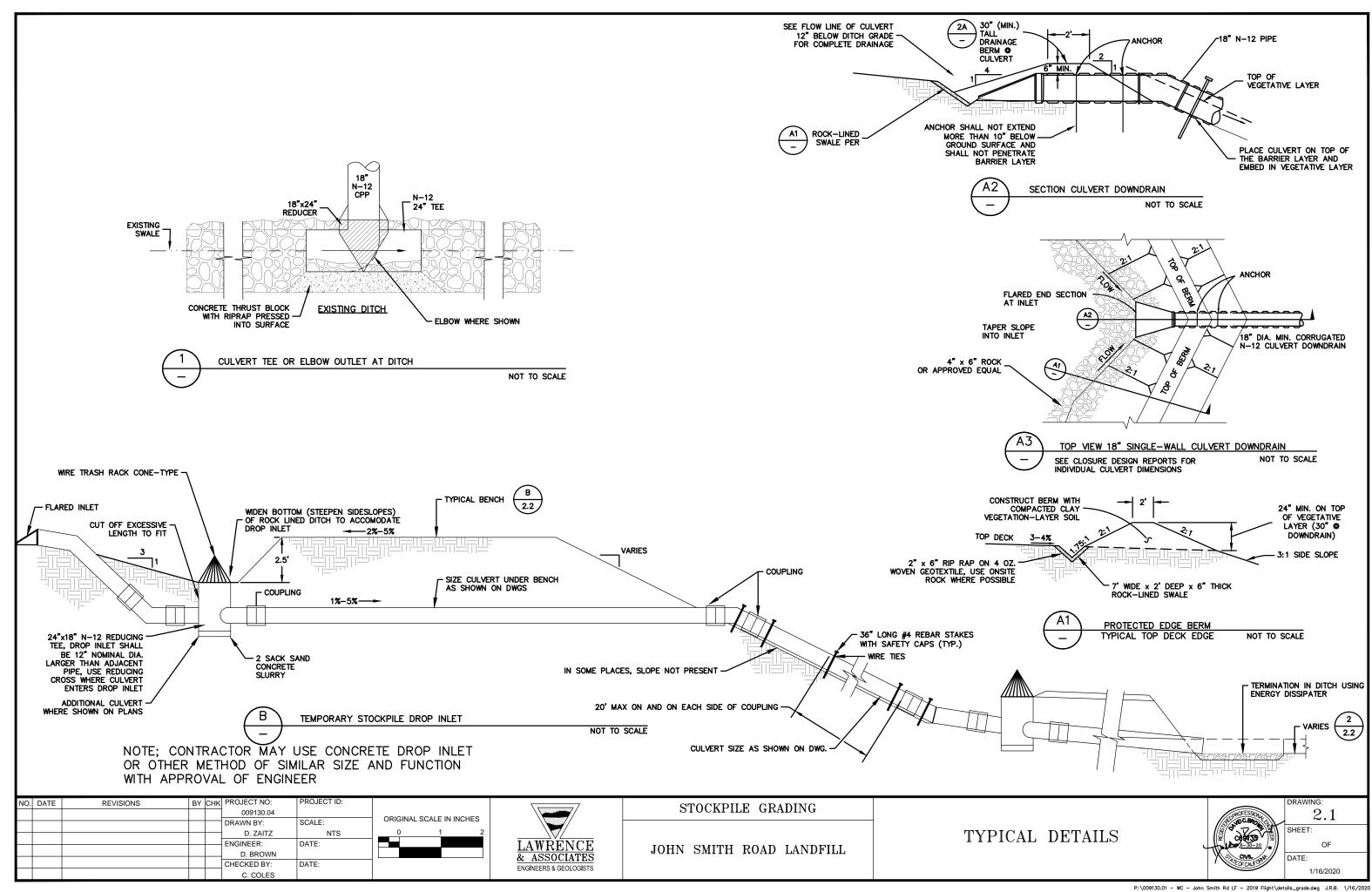
VINITA, OK 74301 (918) 783-5457

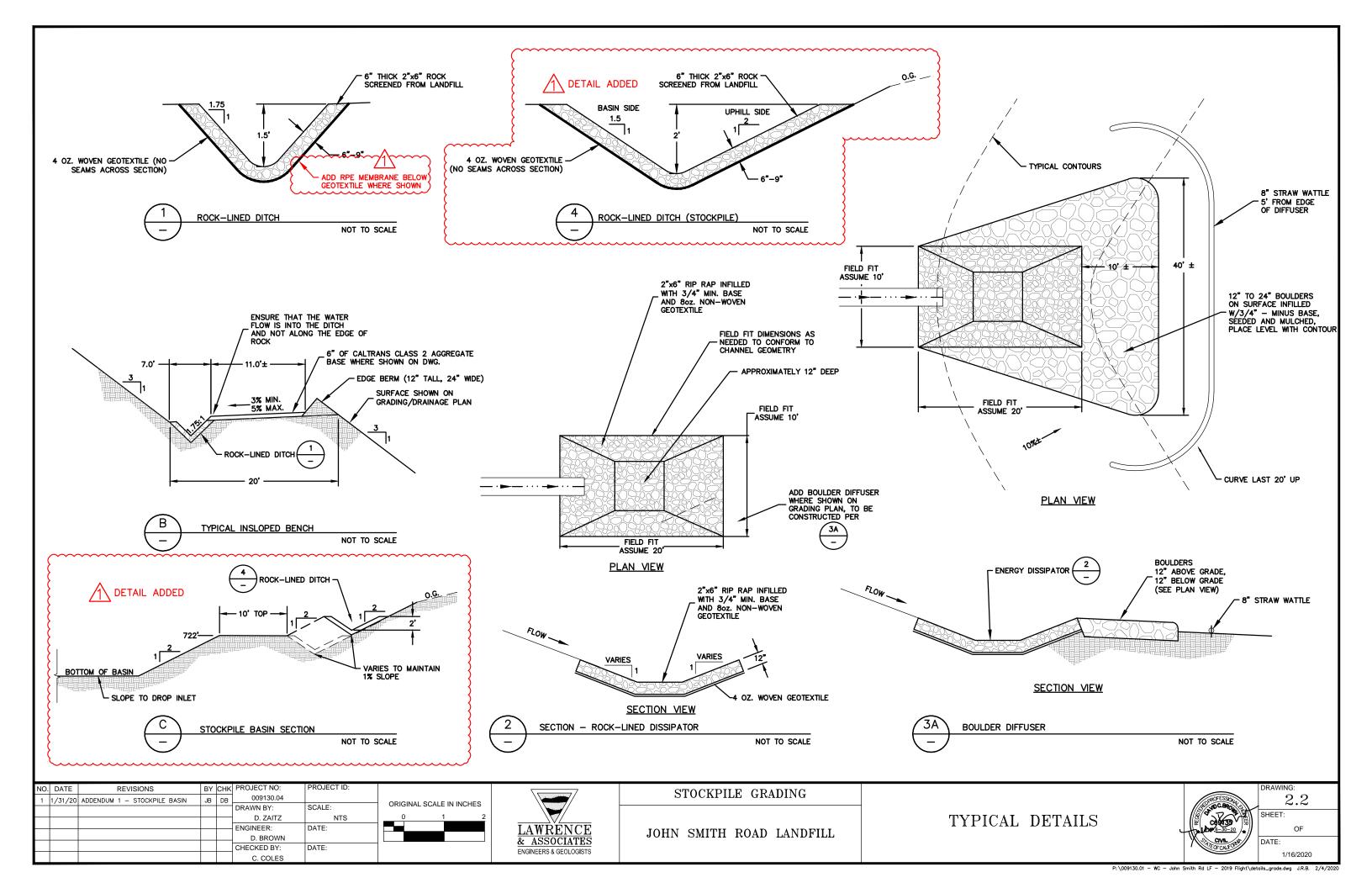
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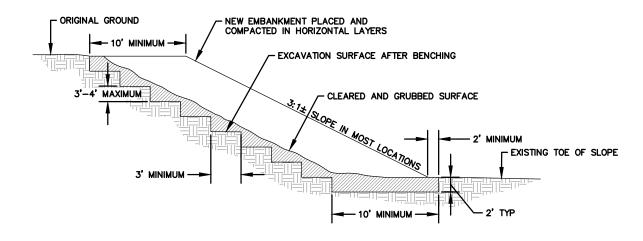




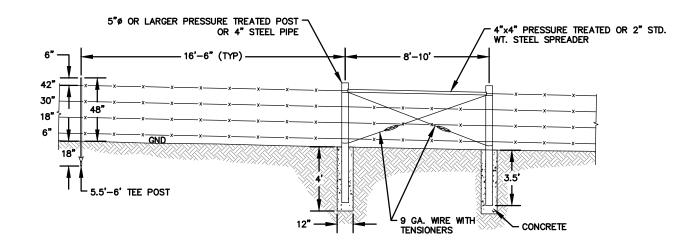


GENERAL NOTE:

- 1. CLEAR AND GRUB SURFACE
- 2. BENCH SLOPES STEEPER THAN 10%
- 3. EXCAVATE TOE KEYS
- 4. ROUGHEN SURFACE FOR GOOD BONDING
- 5. SLOPES <20' TALL NO STEEPER THAN 2:1 (H/V)
- 6. SLOPES >20' 3:1±

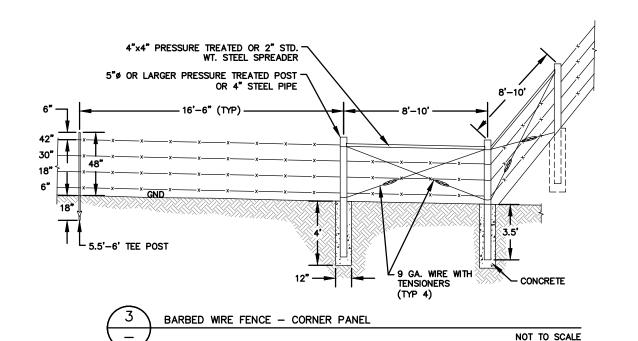


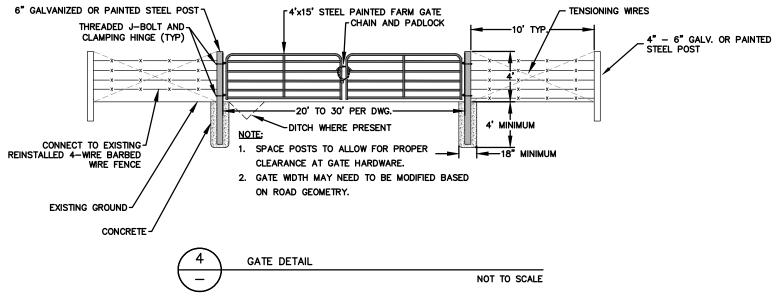
1 TYPICAL BENCHING/KEYWAY DETAIL
NOT TO SCALE



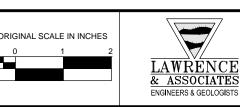
BARBED WIRE FENCE - BRACE PANEL

NOT TO SCALE





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					009130.04		0.
					DRAWN BY:	SCALE:	OI
					D. ZAITZ	NTS	
					ENGINEER:	DATE:	
					D. BROWN		
					CHECKED BY:	DATE:	
					C. COLES		



STOCKPILE GRADING

JOHN SMITH ROAD LANDFILL

TYPICAL DETAILS



DRAWING:

2.3

SHEET:

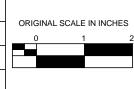
OF

DATE:

1/16/2020

A GRAVEL PAD, LOCATED AT THE POINTS OF VEHICULAR INGRESS AND EGRESS ON A CONSTRUCTION SITE, TO REDUCE THE MUD TRANSPORTED ONTO ROADS AND PAVED AREAS. CASQA TC-3. STRONG MAN-MADE MATTINGS USED TO STABILIZE THE FLOW ON HIGH VELOCITY CHANNELS AND SWALES AND RECENTLY PLANTED SLOPES. ALSO USED AS A REINFORCEMENT BETWEEN COURSES ON ROAD WORK OVER SOFT AREAS. RECOMMENDED FOR USE IN RETAINING WALL AND FILL SLOPE CONSTRUCTION AS A TIE-BACK INTO NATIVE MATERIALS. CASQA EC-7. GEOTEXTILE MATTING -GM)-VTC-TC-1,TC-2,TC-3 GM-EC-7 GENERAL CONDITIONS THIS EROSION CONTROL PLAN PERTAINS SOLELY TO THE AREAS SHOWN ON THE ACCOMPANYING PLANS. ALL EROSION AND SEDIMENT CONTROL DEVICES MUST BE IN PLACE BY OCTOBER 31. EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED BY A CONTRACTOR LICENSED IN THE STATE OF CALIFORNIA WITH EITHER A CLASS A OR APPROPRIATE SPECIALTY LICENSE. ALL AREAS THAT WILL ACCEPT FILL SHALL BE CLEARED, AND SCARIFIED AND BENCHED TO PROVIDE BONDING FOR THE FILLED SOIL. FILL SLOPES SHALL BE COMPACTED AND GRADED TO A SMOOTH EVEN SURFACE. DO NOT FILL WITH LOOSE SOIL OR LEAVE SIDE CAST SOIL UNCOMPACTED. AVOID ROUTING DRAINAGE ACROSS FILL SLOPES WHERE POSSIBLE. PROVIDE ENERGY DISSIPATION AT THE OUTLETS OF ALL CULVERTS AND PIPES. BIODEGRADEABLE MATERIALS, SUCH AS STRAW AND EXCELSIOR BOUND IN NETTING AND IMPREGNATED WITH SEED, ARE USED ON SLOPES WHERE RILL AND SHEET EROSION MAY BE A PROBLEM AND WHERE SEED AND MULCH WILL NOT BE EFFECTIVE. CAN BE UTILIZED IN TEMPORARY AND PERMANENT SEEDING SOLUTIONS AS NECESSARY. A TEMPORARY SEDIMENT BARRIER COMPOSED OF ANCHORED STRAW BALES PLACED ACROSS OR AT THE TOE OF A SLOPE OI INTERCEPT AND DETAIN SEDIMENT AND DECREASES FLOW VELOCITIES FROM SMALL DRAINAGE AREAS; APPLICABLE WHERE SHEET AND RILL EROSION POTENTIAL IS LOW TO MODERATE. (STB) -NM)-NM-EC-6 TEMPORARY STABILIZATION OF DITCHES BY PLACEMENT OF SANDBAGS PERPENDICULAR TO FLOW. ACCOMPANIED BY A DEPRESSION UPSTREAM FOR SEDIMENT RETENTION. GOOD FOR USE WHERE SOLLS ARE DIFFICULT TO EXCAVATE, IN AREAS OF SHALLOW BEDROCK, AND IN STEEP DRAINSES. THE CONTRACTOR SHALL INSPECT ALL IMMEDIATE ACCESS ROADS DAILY. THE CONTRACTOR SHALL REMOVE ANY SEDIMENT OR OTHER CONSTRUCTION RELATED MATERIALS THAT ARE DEPOSITED ON THE ROADS BY VACUUMING OR SWEEPING ON A DAILY BASIS (WHEN NECESSARY) AND PRIOR TO ANY RAIN EVENT. SANDBAG SBB SSV-SE-7 SSV-SE-7 IMPLEMENT EROSION CONTROL SCHEDULING (EC-1, ATTACHMENT Q) A TEMPORARY STRUCTURAL SPAN ACROSS A STREAM TO PROVIDE VEHICULAR ACCESS TO CONSTRUCTION ACTIVITY ON EITHER SIDE OF STREAM WHILE KEEPING SEDIMENT OUT OF THE STREAM AND PREVENTING DAMAGE TO THE CHANNEL AND BANKS. USED IN CONJUNCTION WITH OTHER MEASURES TO AVOID SEDIMENTATION OF THE RECEIVING WATER. A TEMPORARY SEDIMENT BARRIER CONSTRUCTED OF POSTS, FILTER FABRIC AND IN SOME CASES, A WIRE SUPPORT FENCE, PLACED ACROSS OR NEAR THE TOE OF A SLOPE OR IN A MINOR DRAINAGEWAY TO INTERCEPT AND DETAIN SEDIMENT AND DECREASE FLOW YELOCITIES FROM DRAINAGE AREAS OF LIMITED SIZE: APPLICABLE WHERE SHEET AND RILL OR SMALL CONCENTRATED FLOWS TEMPORARY STREAM CROSSING APPLICATION RATES: 1. TEMPORARY MULCHING SHALL INCLUDE THE FOLLOWING ITEMS AT THE SHOWN APPLICATION RATES: (SF) (sc) SC 2 TONS PER ACRE <20% SLOPE 2-1/2 TONS PER ACRE >20% SLOPE 3,000 LB PER ACRE STRAW FOR MULCHING GRADING PRACTICES SUCH AS STAIR-STEPPING, GROOVING SLOPES OR LEAVING SLOPES IN A ROUGHENED CONDITION BY NOT FINE-GRADING THEM. REDUCES RUNOFF VELOCITY, PROVIDES SEDIMENT TRAPPING AND INCREASES INFILTRATION; ALL OF WHICH FACILITATE ESTABLISHMENT OF VEGETATION ON EXPOSED SLOPES. TACKING / STABILIZING EMULSION PER MANUFACTURER INSTRUCTIONS TEMPORARY STABILIZATION OF SLOPES BY PLACEMENT OF STRAW WATTLES. CASQA SE-5. (SR) SW-SE-5 -(SR)--ADD WATER AS NEEDED AND SPECIFIED BY THE MANUFACTURER FOR OPTIMAL APPLICATION. 2.PERMANENT SEEDING AND MULCHING SHALL INCLUDE THE FOLLOWING ITEMS AT THE SHOWN A TEMPORARY ROCK LINED SWALE WILL PROVIDE DRAINAGE TO THE TEMPORARY GRADING OPERATIONS. A SECTION OF STRAW WATTLE IS PLACED ACROSS THE SWALE TO SLOW THE VELOCITY OF THE DRAINAGE. CASQA EC-10. A BASIN WITH A CONTROLLED STORMWATER RELEASE STRUCTURE, FORMED BY CONSTRUCTING AN EMBANKMENT OF COMPACTED SOIL ACROSS A DRAINAGEWAY, TO DETAIN SEDIMENT-LADEN RUNOFF FROM DISTURBED AREAS GREATER THAN 5 ACRES FOR ENOUGH TIME TO ALLOW MOST OF THE SEDIMENT TO SETTLE OUT CAN BE CONSTRUCTED ONLY WHERE THERE IS SUFFICIENT SPACE AND APPROPRIATE TOPOGRAPHY. TEMPORARY UNLESS DESIGNED AS A PERMANENT POND. STRAW FOR MULCHING PERMANENT SEEDING 90 LBS PER ACRE 90 LBS PER ACRE 2,000 LBS PER ACRE 200 LBS PER ACRE 200 LBS PER ACRE 200 LBS PER ACRE TACKING / STABILIZING EMULSION PER MANUFACTURER INSTRUCTIONS TEMPORAR ROCKLINED SWALE SB-SC-2 00020000000000000 SL SLOPE DRAIN ADD WATER AS NEEDED AND SPECIFIED BY THE MANUFACTURER FOR OPTIMAL APPLICATION. A FLEXIBLE CONDUIT, USED BEFORE PERMANENT DRAINAGE STRUCTURES ARE INSTALLED; INTENDED TO CONVEY CONCENTRATED RUNOFF SAFELY FROM THE TOP TO THE BOTTOM OF A DISTURBED SLOPE WITHOUT CAUSING EROSION ON OR BELOW THE SLOPE. CASOA EC-10. A TEMPORARY SEDIMENT BARRIER COMPOSED OF LIMBS. WEEDS, VINES, ROOT MATTER, SOIL, ROCK AND OTHER CLEARED MATERIALS PUSHED TOGETHER TO FORM A BERM! LOCATED ACROSS OR AT THE TOE OF A SLOPE TO INTERCEPT AND DETAIN SEDIMENT; AND DECREASE FLOW VELOCITIES DURING GRADING OPERATIONS AND REMOVED AT THE TIME OF FINAL GRADING. Second Second STRAW FOR MULCHING: 1. PROVIDE DRY OAT, WHEAT, OR RICE STRAW, FREE FROM WEEDS AND FOREIGN MATTER DETRIMENTAL TO PLANT LIFE. 2. STRAW FOR EROSION CONTROL WORK SHALL BE STERILE UPLAND STRAW. THE CONTRACTOR SHALL FURNISH EVIDENCE THAT CLEARANCE HAS BEEN OBTAINED FROM THE COUNTY AGRICULTURAL COMMISSIONER, AS REQUIRED BY LAW, BEFORE STRAW OBTAINED FROM OUTSIDE THE COUNTY IS DELIVERED TO THE SITE OF THE WORK. (BB) SMALL, TEMPORARY BERMS CONSTRUCTED ACROSS DRAINAGEWAYS TO REDUCE THE VELOCITY OF CONCENTRATED FLOWS, REDUCING EROSION OF THE SWALE OR DITCH. LIMITED TO USE IN SMALL OPEN CHANNELS WHICH DRAIN SMALL AREAS; SHOULD NOT BE USED IN LIVE STREAMS. CASQA ES-IO. A PERMANENT CHANNEL WITH A RIDGE ON THE LOWER SIDE CONSTRUCTED ACROSS A SLOPE TO REDUCE SLOPE LENGTH AND INTERCEPT AND DIVERT STORMWATER RUNOFF TO A STABILIZED OUTLET TO PREVENT EROSION ON THE SLOPE. DELIVERED TO THE SITE OF THE WORK. 3.STRAW THAT HAS BEEN USED FOR STABLE BEDDING SHALL NOT BE USED. HAY OR CHOPPED CORNSTALKS ARE NOT ACCEPTABLE. 4.STRAW SHALL BE CHOPPED AND UNIFORMLY APPLIED. CD (DV) (CD) WOOD FIBER FOR TACKING: 1. SOFTWOOD SPECIES, WOOD CELLULOSE FIBER WHICH IS FREE OF GROWTH OR GERMINATION INHIBITING INGREDIENTS AND HAS THE PROPERTY OF DISPERSING READILY IN WATER. 2. THE MATERIAL SHALL CONTAIN NO WEED SEED AND SHALL BE HEAT-PROCESSED TO ELIMINATE FACTORS THAT INHIBIT GROWTH AND GERMINATION. 3. THE MATERIAL SHALL HAVE NO TOXIC EFFECT WHEN COMBINED WITH SEED OR OTHER MATERIALS AND SHALL HAVE THE FOLLOWING PHYSICAL AND CHEMICAL PROPERTIES: TREE PRESERVATION & PROTECTIO' PROTECTING EXISTING TREES FROM MECHANICAL AND OTHER INJURY DURING LAND DISTURBING AND CONSTRUCTION ACTIVITIES TO INSURE THE SURVIVAL OF TREES WHERE THEY ARE EFFECTIVE FOR EROSION AND SEDIMENT CONTROL AND PROVIDE OTHER ENVIRONMENTAL AND AESTHETIC BENEFITS. THE INSTALLATION OF PAVED OR RIP—RAP CHANNEL SECTIONS AND/OR STILLING BASINS BELOW STORM DRAIN OUTLETS TO REDUCE EROSION FROM SCOURING AT OUTLETS AND TO REDUCE FLOW VELOCITIES BEFORE STORMWATER ENTERS RECEIVING CHANNELS BELOW THESE OUTLETS. CASQA EC-10. -(P)-(OP) EC-2 GRASS THE ESTABLISHMENT OF APPROPRIATE VEGETATION IN CONSTRUCTED CHANNELS TO LIMIT CHANNEL EROSION AND STABILIZE CHANNEL BOTTOMS. RIP-RAP PROTECTION A PERMANENT, EROSION-RESISTANT GROUND COVER OF LARGE, LOOSE, ANGULAR STONE INSTALLED ORGANIC MATTER (OVEN-DRIED BASIS) 99.1 PERCENT (MINIMUM) LINED SWALE WHEREVER SOIL CONDITIONS, WATER TURBULANCE AND VELOCITY, EXPECTED VEGETATIVE COVER, ETC., ARE SUCH THAT SOIL MAY ERODE UNDER DESIGN FLOW CONDITIONS. CASQA EC-10. GS RR-EC-10 (ROCK LINED /_----ASH CONTENT PH @ 3% CONCENTRATION 0.9 PERCENT (MAXIMUM) SWALE) 200% BY WEIGHT ESTABLISHMENT OF PERENNIAL VEGETATIVE COVER BY PLANTING SEED ON ROUGH-GRADED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE FOR AN EXTENDED TIME OR WHERE PERMANENT, LONG-LUYED VEGETATIVE COVER IS NEEDED ON FINE-GRADED AREAS. USED IN CONJUNCTION WITH HEAVY MUCLCHING. 4.THE WOOD FIBER SHALL READILY BLEND WITH WATER, GRASS SEED, FERTILIZER, AND OTHER ADDITIVES TO FORM A HOMOGENEOUS SLURRY OR MIXTURE CAPABLE OF APPLICATION WITH POWER SPRAY EQUIPMENT. A COLORED DY THAT IS NONINJURIOUS TO PLANT GROWTH AND THAT FADES RAPIDLY WITH EXPOSURE TO LIGHT MAY BE USED. WOOD CELLULOSE FIBER SHALL BE PACKAGED IN NEW, LABELED CONTAINERS IN AN AIR—DRY CONDITION. TEMPORARY STABILIZATION WITH STONE HIGH TRAFFIC AREAS PRONE TO EROSION IMMEDIATELY AFTER GRADING TO REDUCE EROSION POTENTIAL DAMAGE CAUSED BY VEHICLES DURING WET WEATHER AND TO PREVENT HAVING TO REGRADE PERMANENT ROADBEDS BETWEEN INITIAL GRADING AND FINAL STABILIZATION. CASQA TC-2. CONSTRUCTION ROAD STABILIZATION PERMANENT CRS -PS)-PS-EC-4 ESTABLISHMENT OF WOODY VEGETATION ON ROUGH-GRADED AREAS THAT HAVE BEEN PERMANENTLY SEEDED OR SODDED WHERE PERMANENT, LONG-LIVED VEGETATIVE COVER IS DESIRED ON FINE-GRADED AREAS. USED IN CONJUCTION WITH MULCHING. REDUCING SURFACE AND AIR MOVEMENT OF DUST DURING LAND DISTURBANCE, DEMOLITION OR CONSTRUCTION ACTIVITIES IN AREAS SUBJECT TO DUST PROBLEMS IN ORDER TO PREVENT SOIL LOSS AND REDUCE THE PRESENCE OF POTENTIALLY HARMFUL AIRBORNE SUBSTANCES. INCLUDES THE COVERING OF SOIL STOCK PILES AND CONSTRUCTION MATERIALS. PERMANENT DUST CONTROL PERMANENT SEEDING (DC) (PP) -PP (DC) 1 SEED FOR PERMANENT FROSION CONTROL WORK SHALL CONSIST OF THE FOLLOWING MIX (OR APPROVED EQUAL SUITABLE FOR LOCAL CONDITIONS): USE OF CRIMPED STRAW, WOOD CHIPS, SAWDUST, ETC., TO COVER THE DENUDED SURFACE SHORTLY AFTER CLEARING AND GRUBBING, GRADING, AND CONSTRUCTION ACTIVITIES. MULCHING IS THE MOST EFFECTIVE AND IMPORTANT EROSION CONTROL PRACTICE TO BE USED. CASQA EC-6. STRIPPING, STOCKPILING AND PROTECTING TOPSOIL FOR LATER USE IN PERMANENT LANDSCAPE ACTIVITIES. STOCKPILES ARE COVERED WITH SHEETING, MULCH AND/OR SEED AND SURROUNDED BY A CONTAINMENT BERM TO PROTECT THEM FROM EROSIVE FORCES. PERIODIC "TURNING" OF THE PILES IS REQUIRED TO MAINTAIN ENDEMIC MICROBIAL SOIL ORGANISMS. TEMPORARY MULCHING TOPSOIL PROTECTION ELLYMUS GLAUCUS BROMUS CARINATUS TRIFOLIUM WILLDENOVII VULPIA MICROSTACHYS (TM) (TSP) (TSP) -(TM)-12.0 120.0 LBS PER ACRE SMALL FESCUE AN OUTLET FOR DIKES AND DIVERSIONS CONSISTING OF AN EXCAVATED DEPRESSION CONSTRUCTED AT NEAR ZERO GRADE ACROSS A SLOPE TO CONVERT CONCENTRATED, SEDIMENT—FREE RUNOFF TO SHEET FLOW AND RELEASE IT ONTO AREAS OF UNDISTURBED SOIL STABILIZED BY EXISTING VECETATION. USE OF WOOD CHIPS, STONE, BARK ETC., TO COVER THE FINISHED GRADED SURFACES AFTER CONSTRUCTION ACTIVITIES. MULCHING WITHIN 3 DAYS OF OPERATIONS TO ELIMINATE EROSION AND CONSERVE MOISTURE FOR PLANTINGS TO ENHANCE GROWTH. PART OF THE FINAL LANDSCAPING INCLUDING DRAINAGEWAYS, SWALES, ETC. USED WITH PERMANENT PLANTING. CASQA EC-E FFRTII IZFR -EXTILIZEN 1.15-15-15 (N-P-K), 10% SULFUR IS OPTIONAL, OR AS APPROVED BY THE ENGINEER. 2.FERTILIZER FOR EROSION CONTROL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CALIFORNIA FOOD AND AGRICULTURAL CODE, SHALL BE IN PELLETED OR GRANULAR FORM AND SHALL HAVE A MINIMUM GUARANTEED CHEMICAL ANALYSIS OF 15 PERCENT NITROGEN, 20 PERCENT PHOSPHORIC ACID, 20 PERCENT WATER SOLUBLE POTASH, AND 10 PERCENT SULFUR. 3.FERTILIZER SHALL BE A FORMULATION SUITABLE FOR HYDROSEEDING PURPOSES AND SOLUBLE IN WATER PERMANENT MULCHING LEVEL SPREADER PM -(PM)-LS THE INSTALLATION OF VARIOUS KINDS OF SEDIMENT TRAPPING MEASURES AROUND INLETS, CULVERTS AND STRUCTURES PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA; LIMITED TO SMALL DRAINAGE AREAS AND NOT INTENDED TO CONTROL LARGE, CONCENTRATED STORMWATER FLOWS. CASQA SE-10. A TEMPORARY RE-ROUTING OF A WATERCOURSE THROUGH A SLUICE OR TUBE TO REDUCE THE AMOUNT OF CLEAN WATER COLLECTING SEDIMENTS FROM ACTIVE CONSTRUCTION OPERATIONS. CLEAR WATER DIVERSION WATER. 4.APPLY AT A RATE OF 200 LB. PER ACRE. (CWD) (P-SE-10) TACKING AGENT: 1.USE NONTOXIC COMMERCIALLY PRODUCED TACKING AGENT. STABILIZING EMULSION: 1. STABILIZING EMULSION FOR EROSION CONTROL WORK SHALL BE A CONCENTRATED LIQUID CHEMICAL MIXED WITH FIBER THAT FORMS A PLASTIC FILM UPON DRYING AND ALLOWS WATER AND AIR TO PENETRATE. A SEMI-PERMANENT SUB-SURFACE DRAIN THAT ALLOWS FOR STORM WATER TO BE ABSORBED BY THE GROUND IN A PONDED AREA. TYPICALLY A ROCK AND FABRIC LINED TRENCH ON THE DOWN GRADIENT SIDE OF A ROAD FILL OR IN AN OPEN AREA AWAY FROM THE ROADWAY. ESTABLISHMENT OF VEGETATIVE COVER WITHIN THE STREAM CHANNEL INFILTRATION TRENCH (INF) (ss) _(ss)_ AIR TO PENETRATE. 2. THE FIBER SHALL BE PRODUCED FROM NATURAL OR RECYCLED (PULP) FIBER, SUCH AS WOOD CHIPS OR SIMILAR WOOD MATERIALS OR FROM NEWSPRINT, CHIPBOARD, CORRUGATED CARDBOARD OR A COMBINATION OF THESE PROCESSED MATERIALS, AND SHALL BE FREE OF SYNTHETIC OR PLASTIC MATERIALS. 3. STABILIZING EMULSION SHALL BE NONTOXIC TO PLANT OR ANIMAL LIFE AND NONSTAINING TO CONCRETE OR PAINTED SURFACES. IN THE CURED STATE, THE STABILIZING EMULSION MAY BE RE-EMULSIFIABLE. 4. THE MATERIAL SHALL BE REGISTERED WITH AND LICENSED BY THE STATE OF CALIFORNIA, DEPARTMENT OF FOOD AND AGRICULTURE, AS AN "AUXILIARY SOIL CHEMICAL."

NO.	DATE	REVISIONS	BY	СНК	PROJECT NO:	PROJECT ID:
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					DRAWN BY:	SCALE:
					D. ZAITZ	NO SCALE
					ENGINEER:	DATE:
					D. BROWN	9/16/2019
					CHECKED BY:	DATE:
					C COLES	0/16/2010



WB

(TS)

TEMPORARY SEEDING



(TS)

STOCKPILE GRADING

SMALL BERM AND DITCH COMBINATION APPROXIMATELY 18 INCHES IN HEIGHT AND LAID ACROSS A SLOPE AT 45' TO 60' TO REDUCE THE VELOCITY OF CONCENTRATED FLOWS, REDUCING EROSION OF A SLOPE, SWALE OR DITCH. FOR USE AS A SEMI-PERMANENT STRUCTURE ON TRAILS, SXI RUNS, AND SEASONAL ACCESS ROADS.

ESTABLISHMENT OF SINGLE SEASON VEGETATIVE COVER ON ROUGH-GRADED AREAS. USED IN CONJUNCTION WITH HEAVY MULCHING, CASQA EC-4.

JOHN SMITH ROAD LANDFILL

EROSION CONTROL LEGEND

SD

(WDS)

WATERWAY DROP STRUCTURE

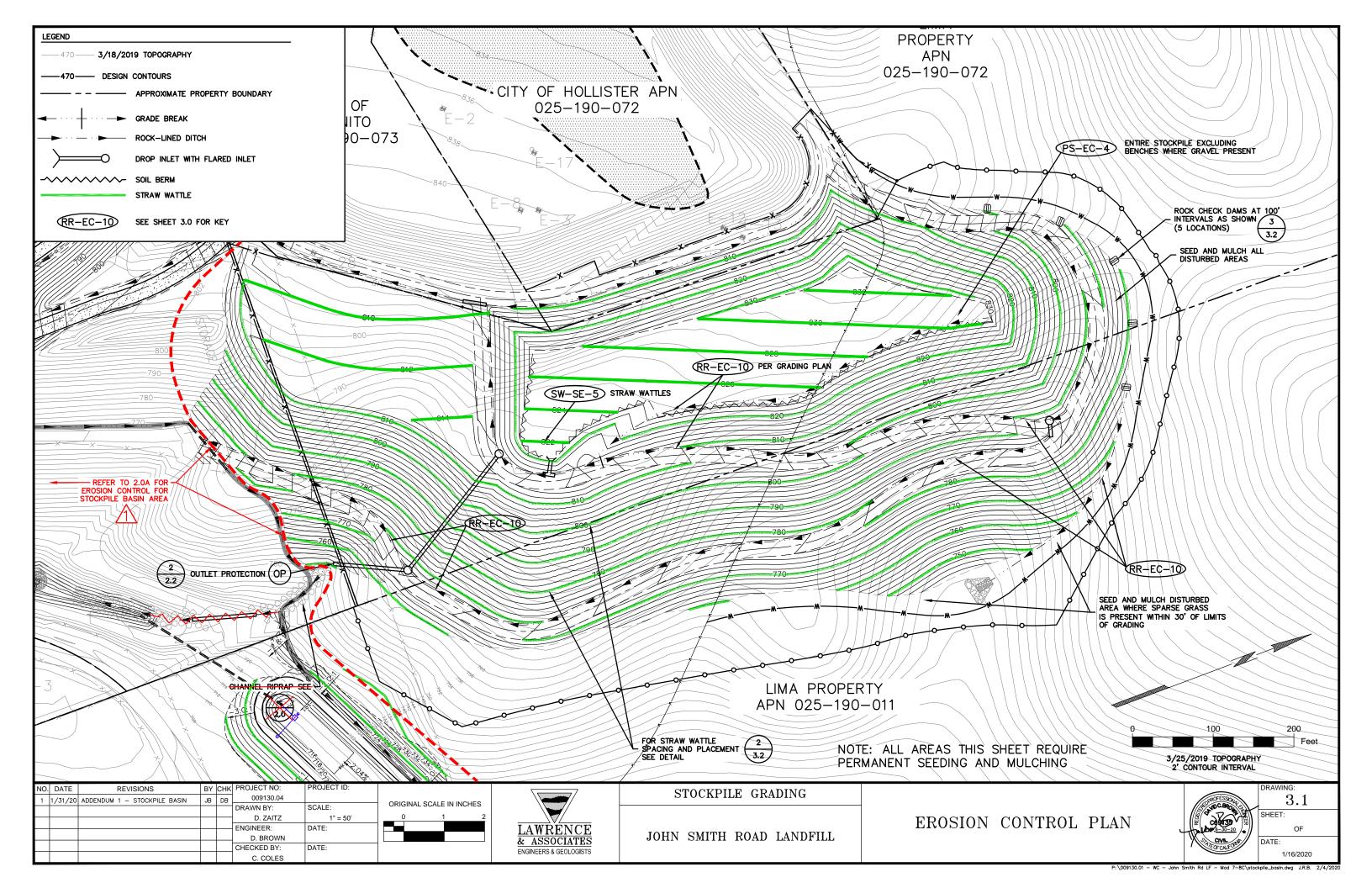


A PERFORATED CONDUIT INSTALLED BENEATH THE GROUND TO INTERCEPT AND CONVEY GROUNDWATER PREVENTS SLOPING SOILS FROM BECOMING EXCESSIVELY WET AND SUBJECT TO SLOUGHING.

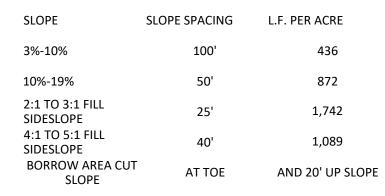
A PERMANENT STRUCTURE OR SERIES OF STRUCTURES DESIGNED TO "STEP" WATER FLOW DOWN A SLOPE WITHOUT CAUSING CHANNEL EROSION; APPLICABLE IN NATURAL OR MAN-MADE CHANNELS WITH LONG, RELATIVELY STEEP REACHES.

3.0SHEET OF DATE

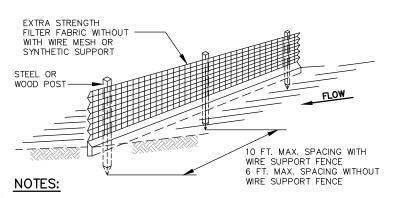
1/16/2020



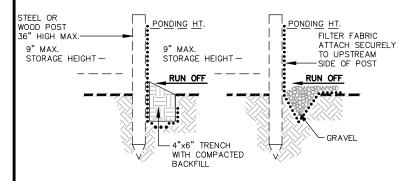
WATTLE SPACING TABLE



REFER TO PROJECT SPECIFICATIONS IN THE EVENT OF A DISCREPANCY, THE SPECIFICATIONS SHALL PREVAIL.



- 1. THE CONTRACTOR SHALL INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
- 2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF—SITE AND CAN BE PERMANENTLY STABILIZED.
- 3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMUM PONDING FFFICIENCY



STANDARD DETAIL

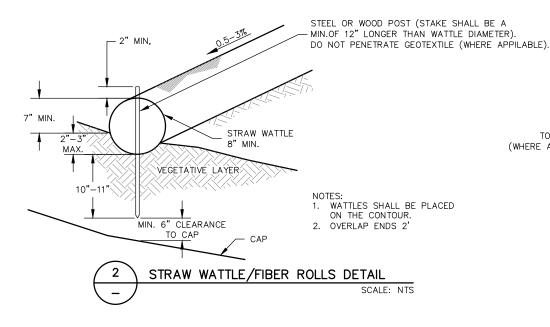
ALTERNATE DETAIL

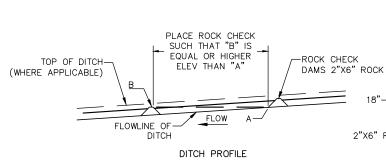
TRENCH WITH NATIVE BACKFILL TRENCH WITH GRAVEL



SILT FENCE (IF NEEDED FOR RAIN-EVENT ACTION PLAN

SCALE: NTS





CHECK
2"X6" ROCK

18"-36"MAX

2"X6" ROCK

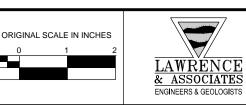
FLOW

ROCK CHECK SECTION

CROSS-SECTION VIEW

ROCK CHECK DAMS

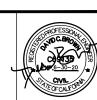
NO.	DATE	REVISIONS	BY	CHK	PROJECT NO:	PROJECT ID:	
					009130.04		
					DRAWN BY:	SCALE:	'
					D. ZAITZ	NTS	_
					ENGINEER:	DATE:	
					D. BROWN		
					CHECKED BY:	DATE:	_



STOCKPILE GRADING

JOHN SMITH ROAD LANDFILL

EROSION CONTROL DETAILS



SCALE: NTS

	DRAWING:
	3.2
捌	SHEET:
/ * //	OF
<i>5/</i>	DATE:
•	1/16/2020

-PROVIDE CENTER SPILLWAY AT LEAST 2" LOWER THAN EDGE TO PREVENT SCOUR AROUND EDGES.

