

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 ACTIVITIES.

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.

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DRAWING	DRAWING TITLE
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3.1	EROSION CONTROL PLAN
3.2	EROSION CONTROL DETAILS
4.0	FAIRCLOTH SKIMMER

1
ADDENDUM 1;
SHEET ADDED

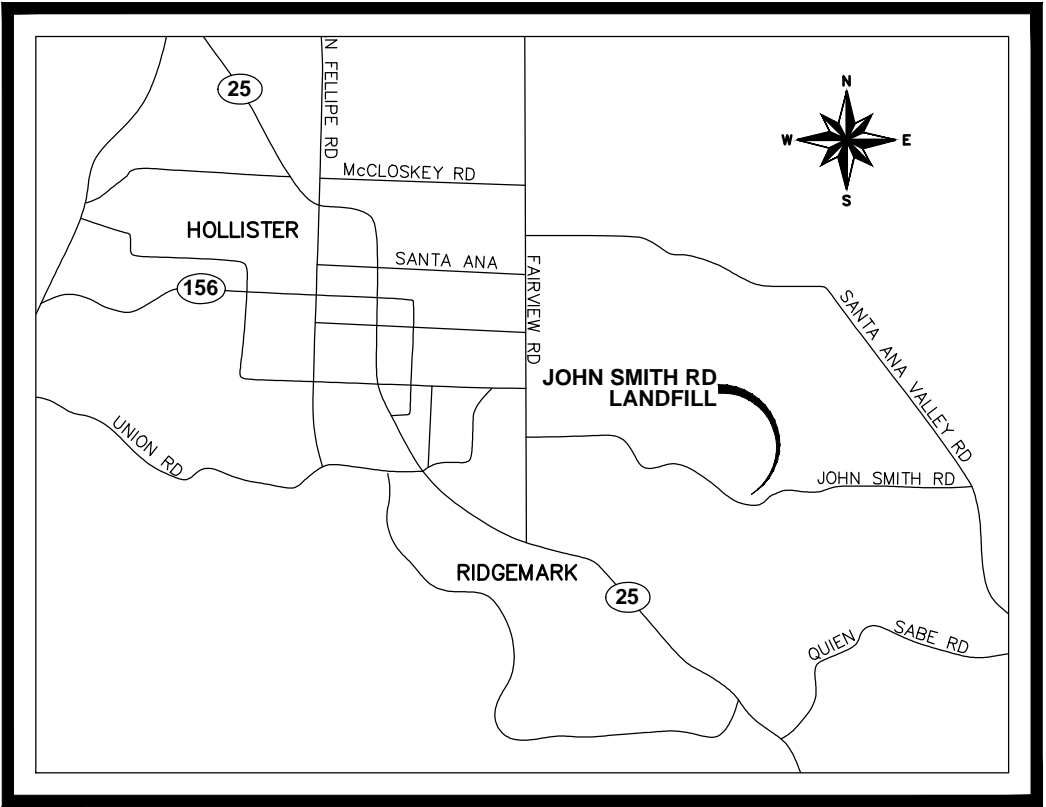
1
ADDENDUM 1;
SHEET ADDED

PLANS PREPARED BY: LAWRENCE AND ASSOCIATES
3590 IRON CT.
SHASTA LAKE, CA 96019
(530) 275-4800



PLANS PREPARED FOR: WASTE SOLUTIONS OF SAN BENITO, LLC
JOHN SMITH ROAD LANDFILL
2650 JOHN SMITH ROAD
HOLLISTER, CA 95023
(831) 637-4515

PROPERTY OWNER: MANUEL LIMA
435748 EAST 300TH RD.
VINITA, OK 74301
(918) 783-5457

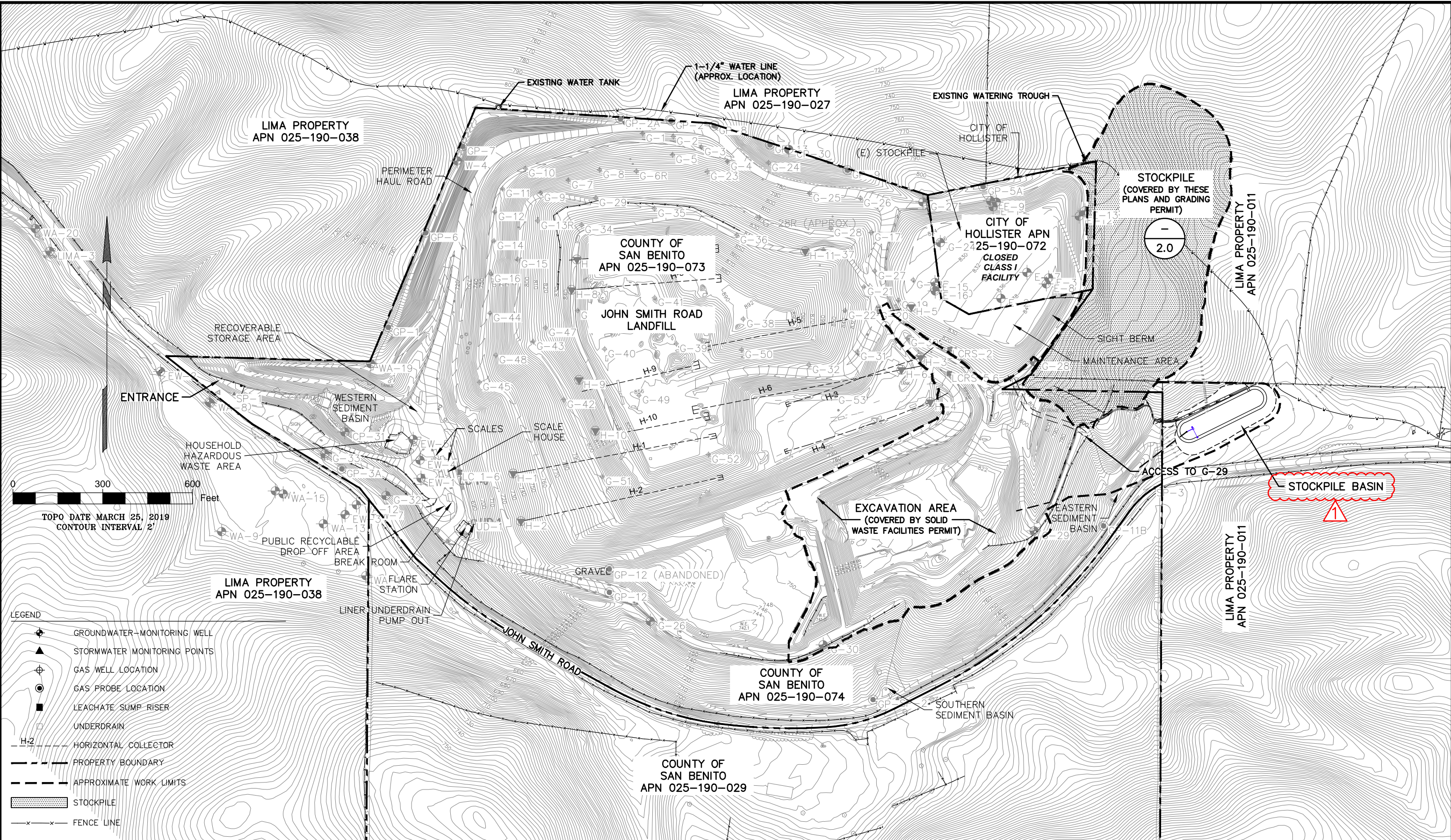


LOCATION MAP

1"=5,000'

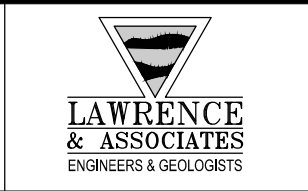
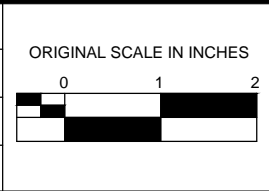


VICINITY MAP



NO.	DATE	REVISIONS
1	1/31/20	ADDENDUM 1 - STOCKPILE BASIN

BY	CHK	PROJECT NO:	PROJECT ID:
JB	DB	009130.04	
		DRAWN BY:	SCALE:
		D. ZAITZ	1"=150'
		ENGINEER:	DATE:
		D. BROWN	12/3/2019
		CHECKED BY:	DATE:
		C. COLES	

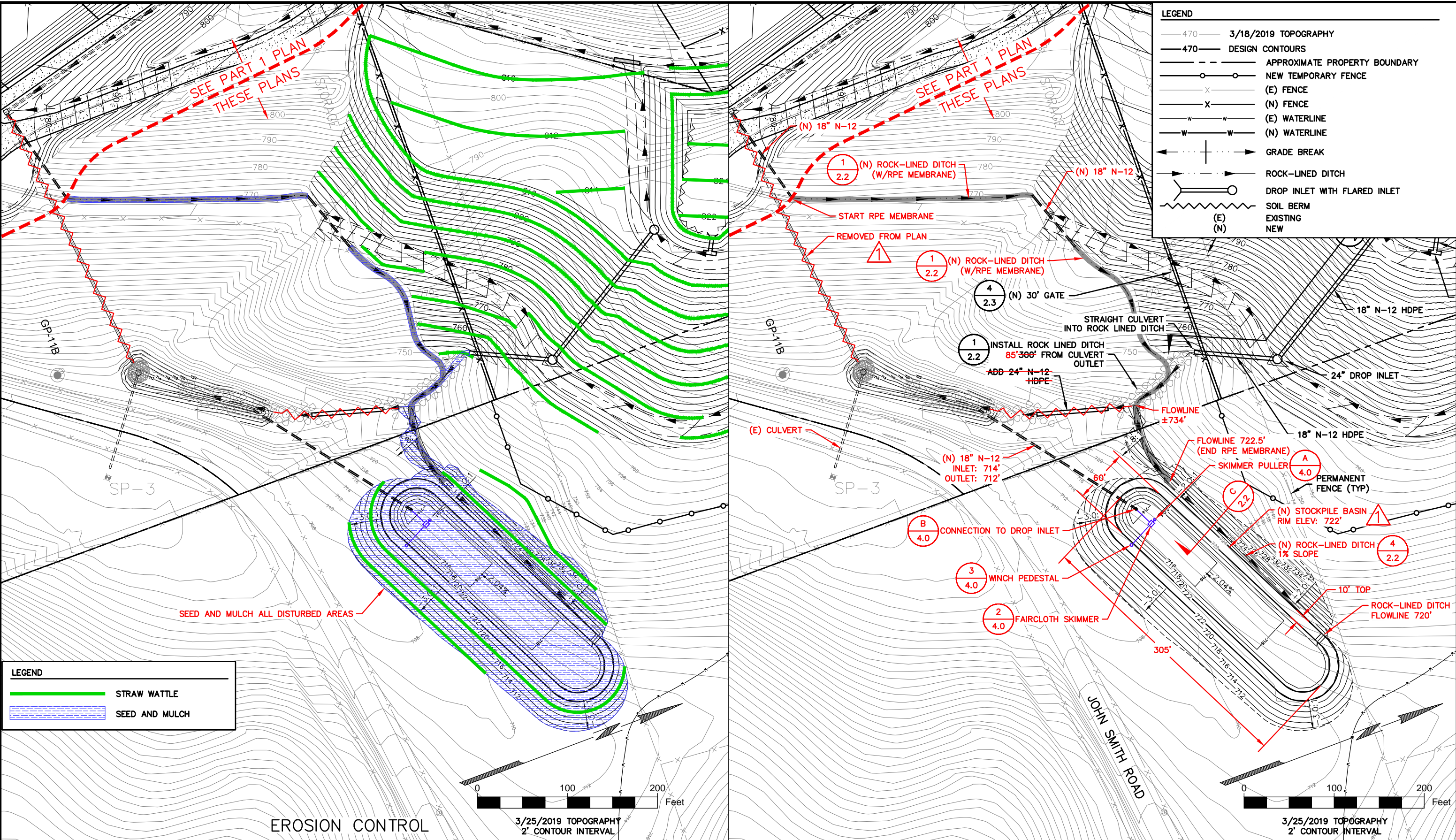


STOCKPILE GRADING
JOHN SMITH ROAD LANDFILL

SITE PLAN



DRAWING:	1.0
SHEET:	OF
DATE:	1/31/2020



LEGEND

STRAW WATTLE

SEED AND MULCH

NO.	DATE	REVISIONS	BY	CHK	PROJECT NO:	PROJECT ID:
1	1/31/20	ADDENDUM 1 - STOCKPILE BASIN	JB	DB	009130.04	
					DRAWN BY:	SCALE:
					J. BEERS	1" = 50'
					ENGINEER:	DATE:
					D. BROWN	
					CHECKED BY:	DATE:
					C. COLES	

ORIGINAL SCALE IN INCHES

0 1 2

LAWRENCE & ASSOCIATES
ENGINEERS & GEOLOGISTS

STOCKPILE GRADING

JOHN SMITH ROAD LANDFILL

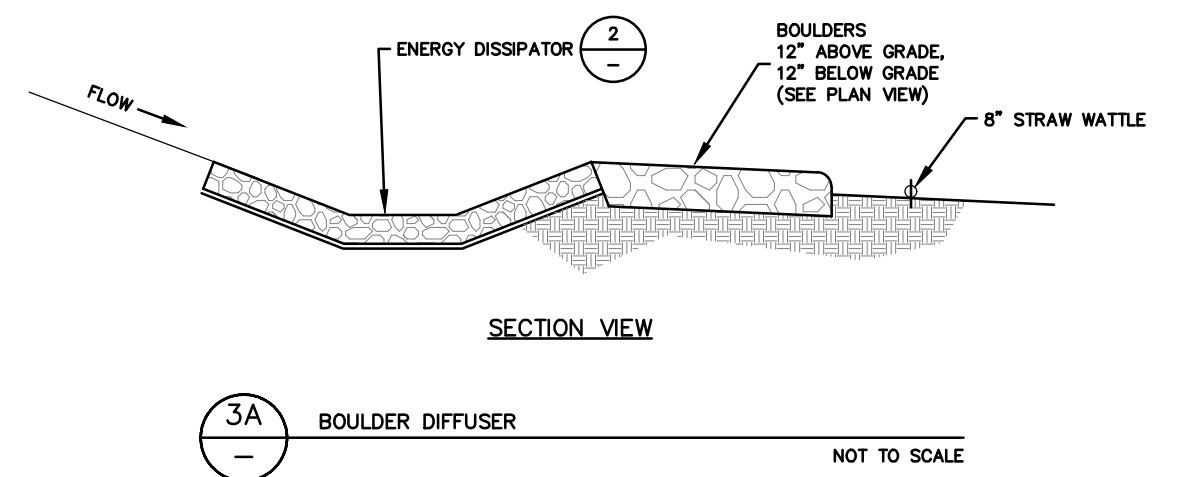
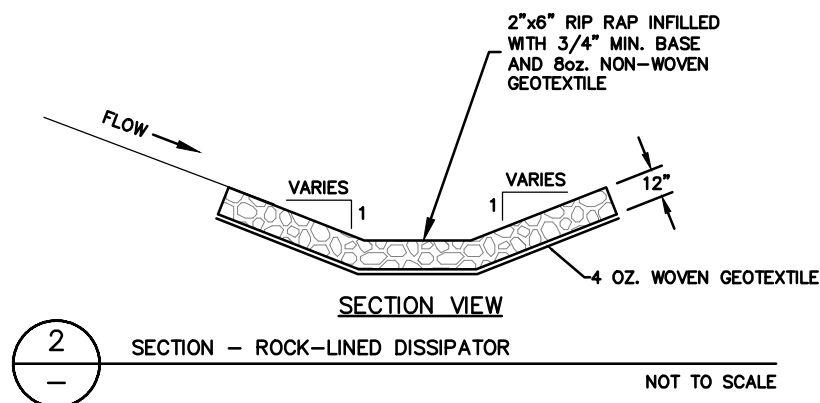
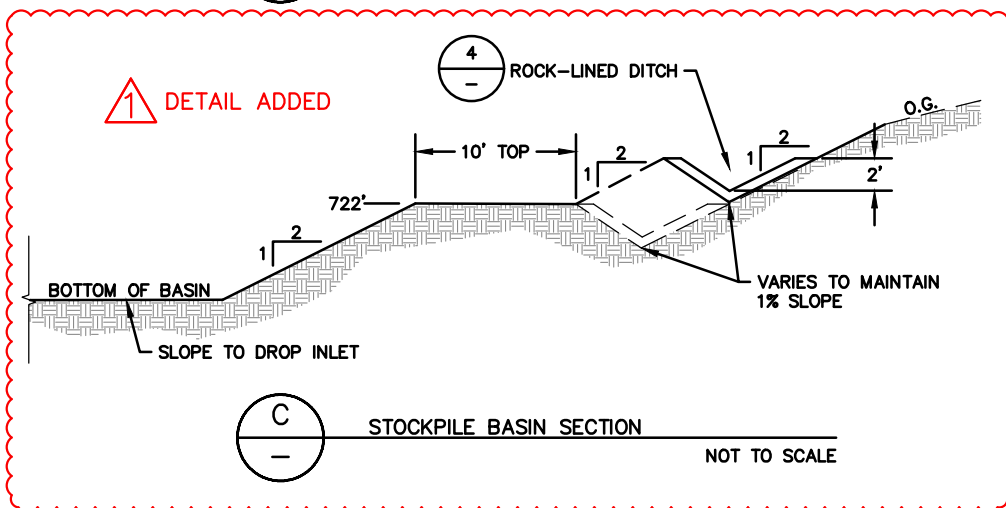
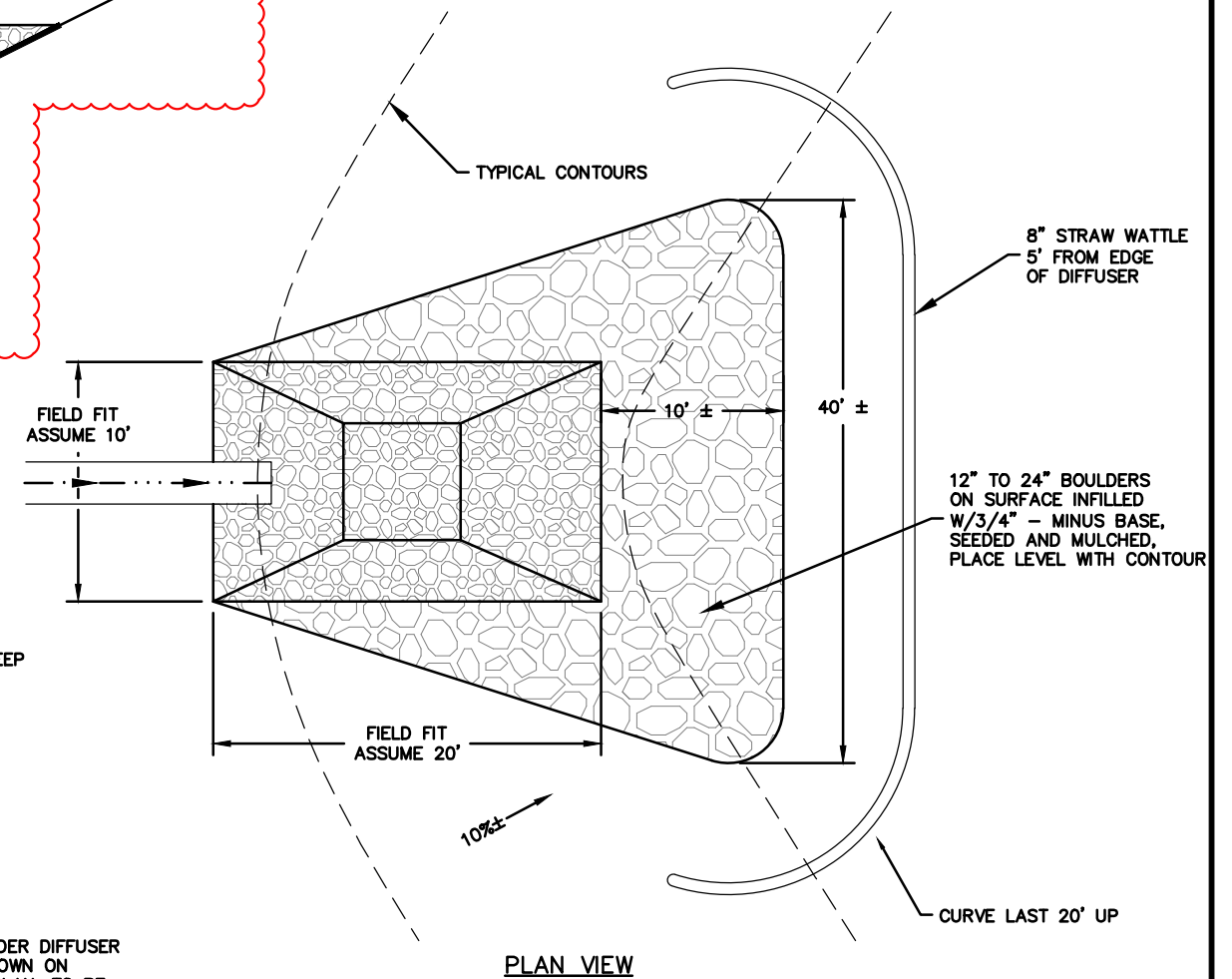
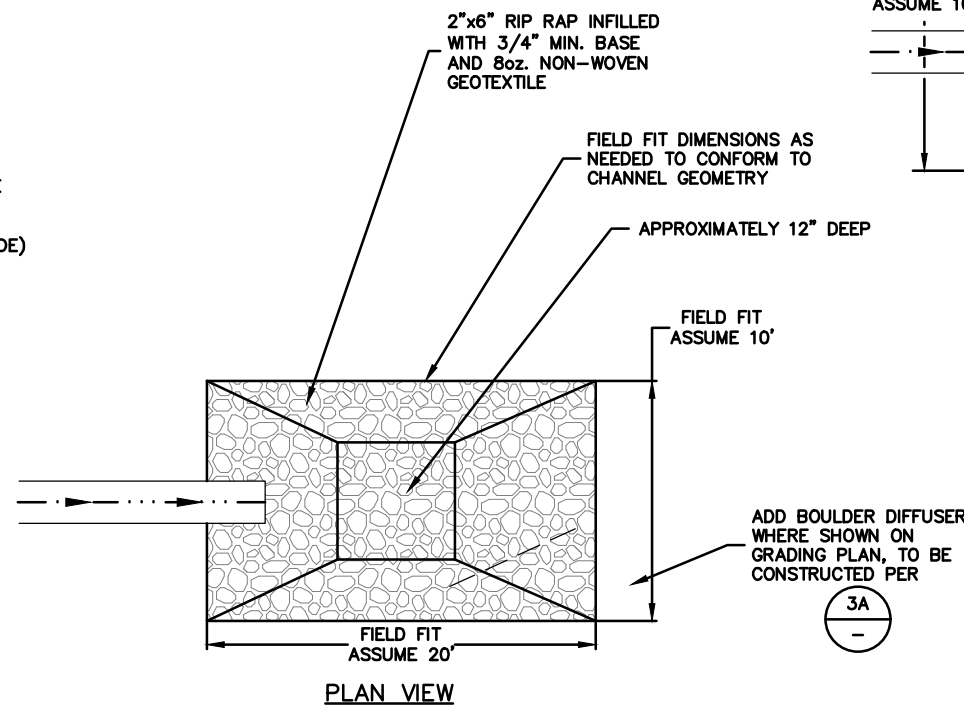
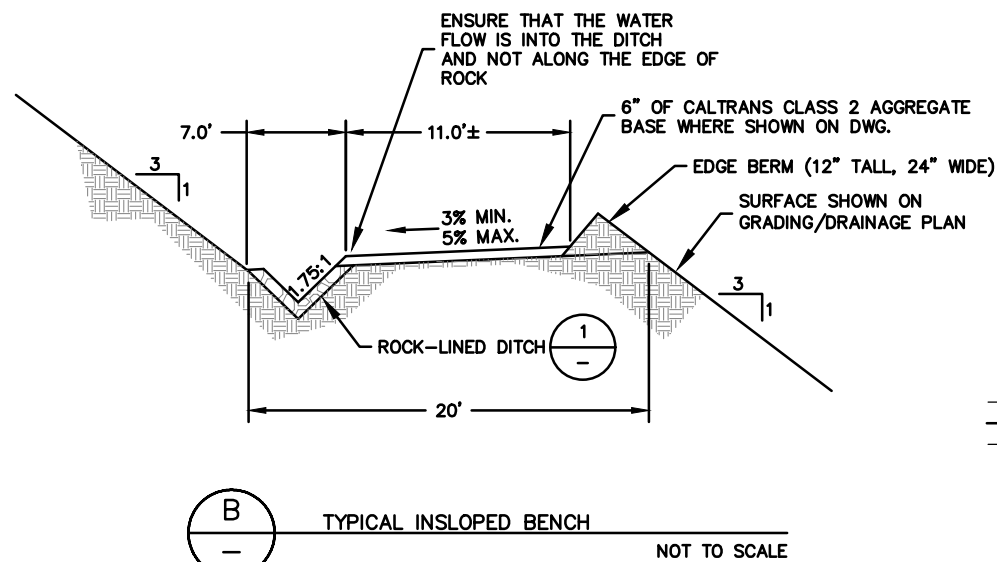
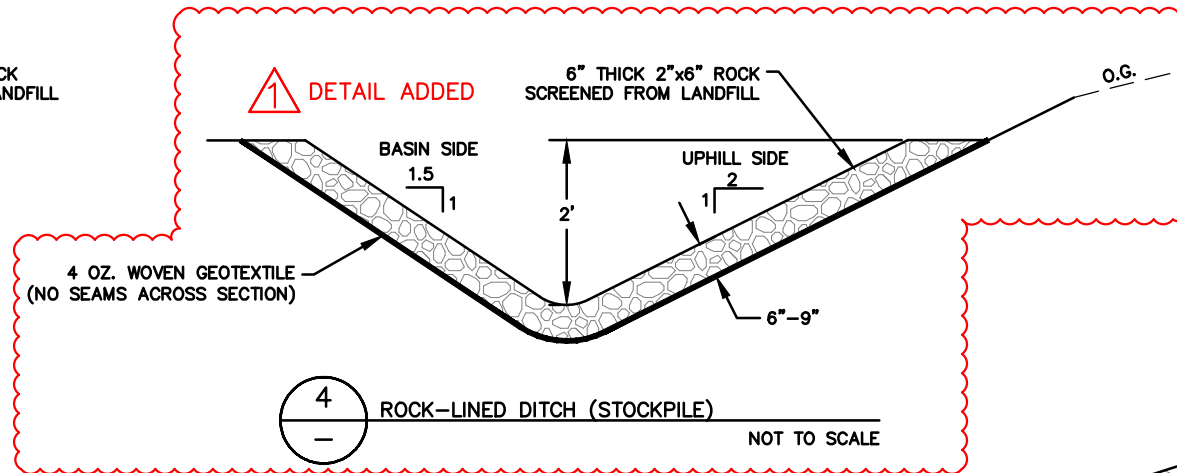
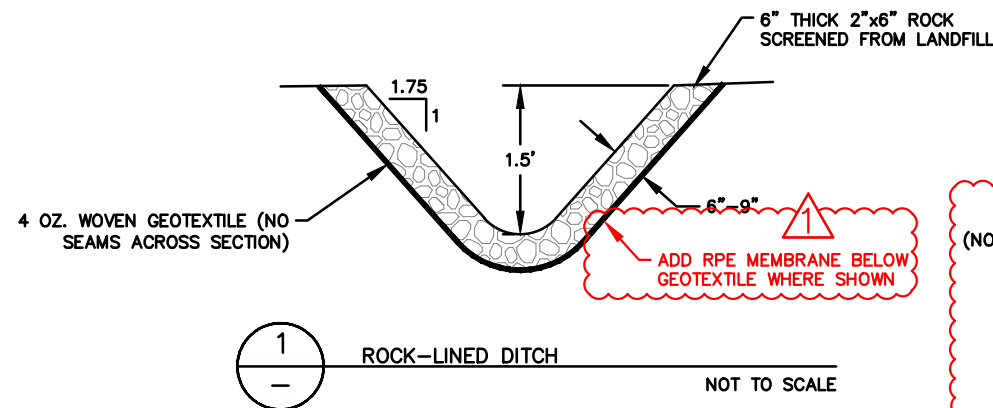
STOCKPILE BASIN

DRAWING: 2.0A

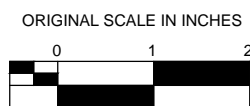
SHEET: OF

DATE: 2/4/2020

DAVID C. BROWN
REGISTERED PROFESSIONAL ENGINEER
CIVIL
STATE OF CALIFORNIA



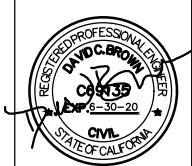
NO.	DATE	REVISIONS	BY	CHK	PROJECT NO:	PROJECT ID:
1	1/31/20	ADDENDUM 1 - STOCKPILE BASIN	JB	DB	009130.04	
					DRAWN BY:	SCALE:
					D. ZAITZ	NTS
					ENGINEER:	DATE:
					D. BROWN	
					CHECKED BY:	DATE:
					C. COLES	



STOCKPILE GRADING

JOHN SMITH ROAD LANDFILL

TYPICAL DETAILS



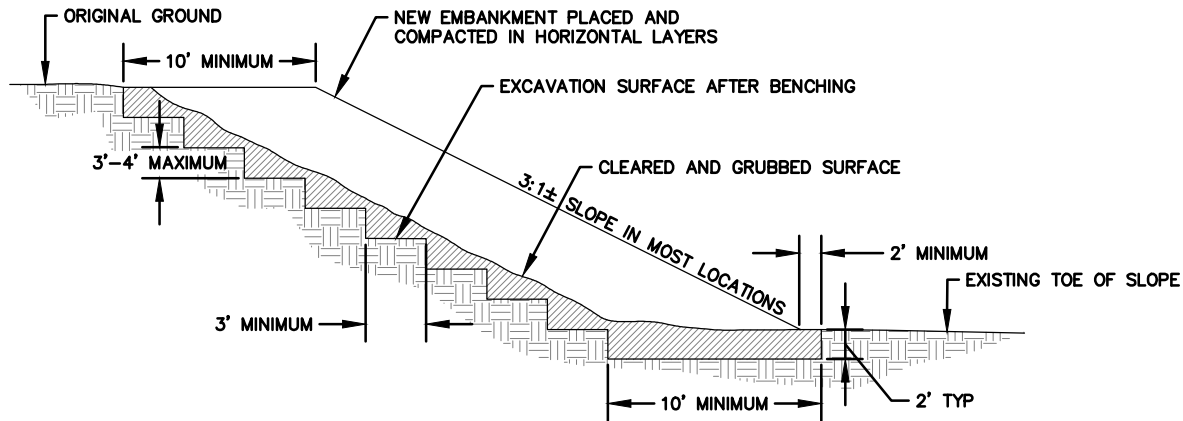
DRAWING: 2.2

SHEET: OF

DATE: 1/16/2020

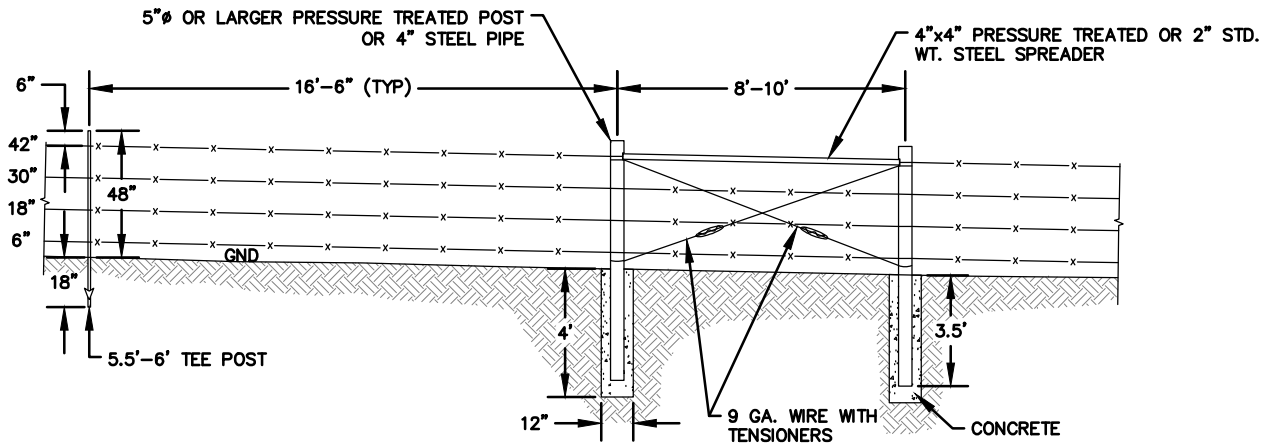
GENERAL NOTE:

- 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±



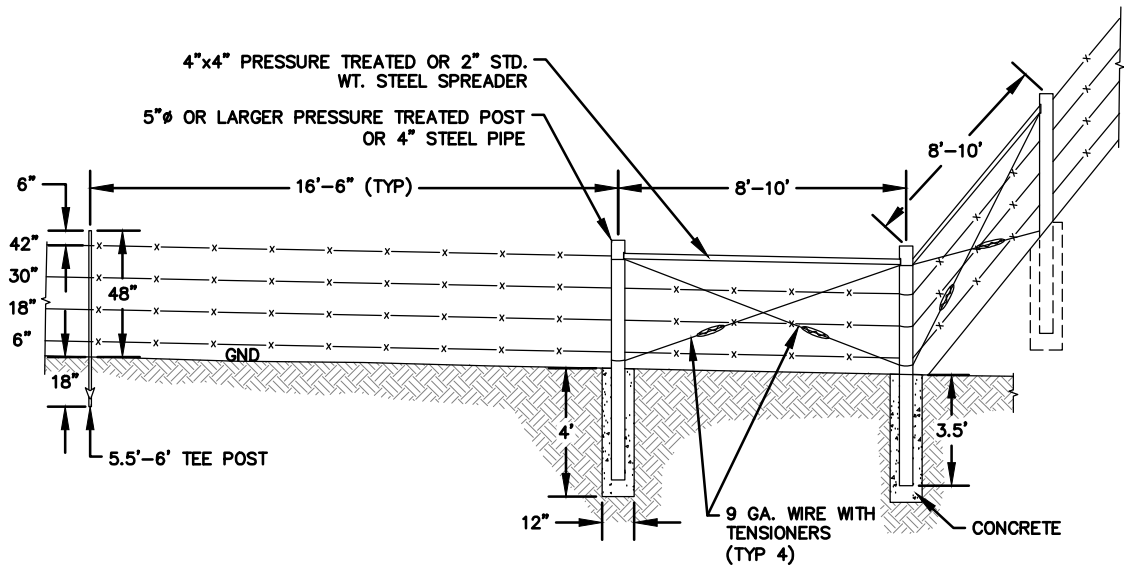
1 TYPICAL BENCHING/KEYWAY DETAIL

NOT TO SCALE



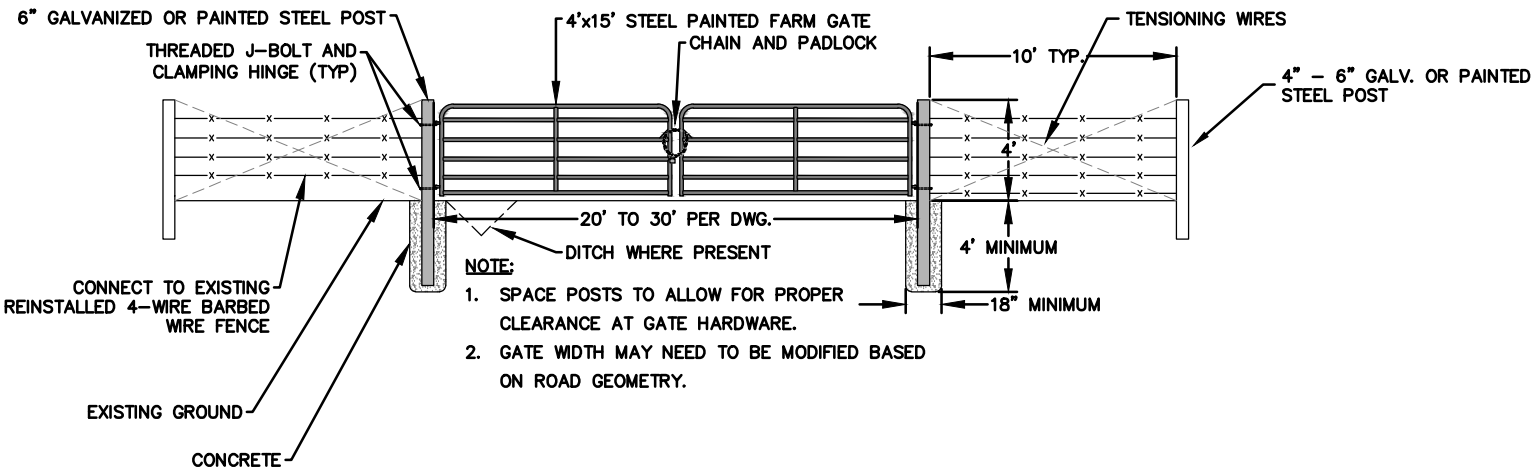
2 BARBED WIRE FENCE - BRACE PANEL

NOT TO SCALE



3 BARBED WIRE FENCE - CORNER PANEL

NOT TO SCALE



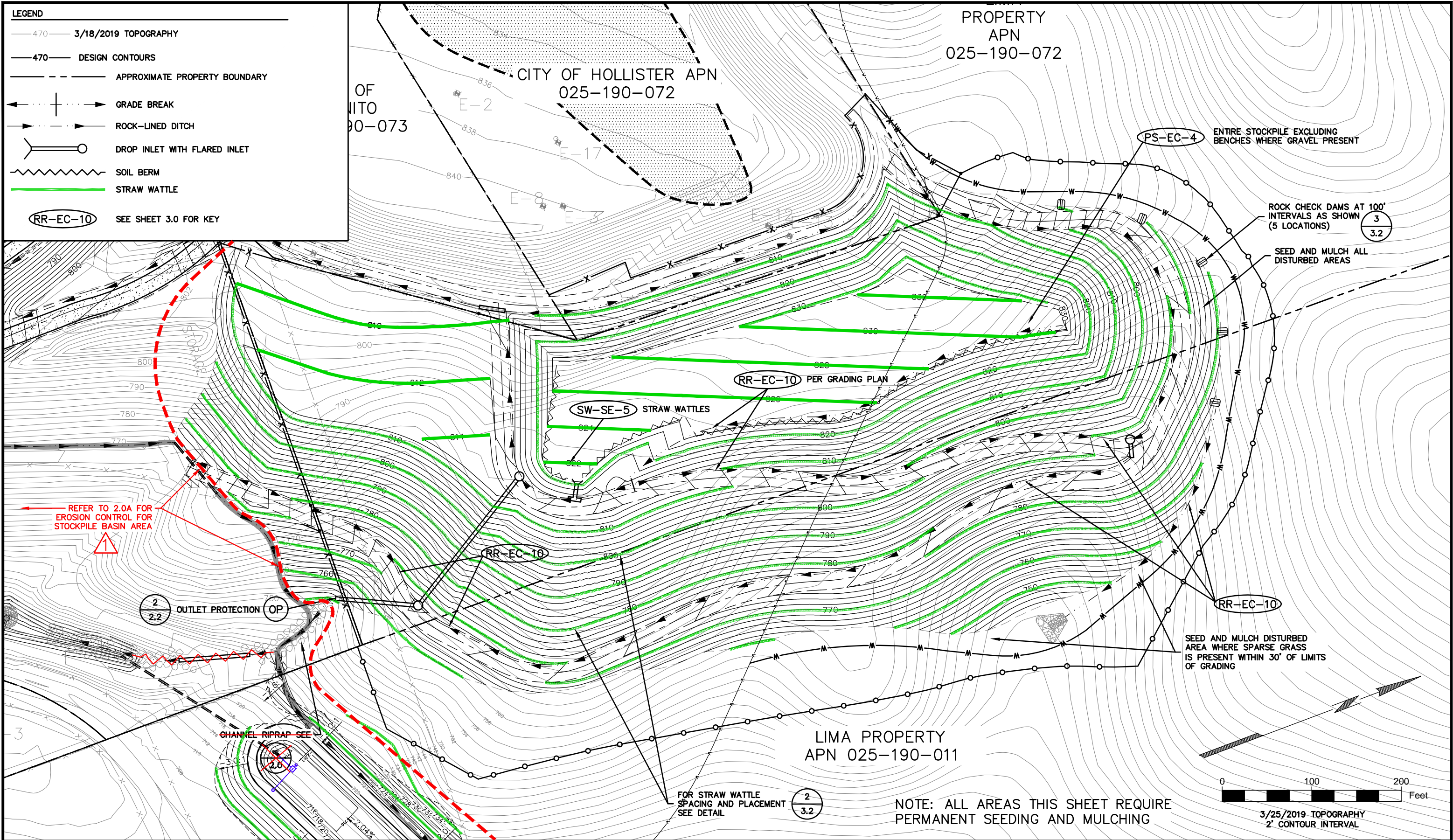
4 GATE DETAIL

NOT TO SCALE

NO.	DATE	REVISIONS	BY	CHK	PROJECT NO:	PROJECT ID:	ORIGINAL SCALE IN INCHES	LAWRENCE & ASSOCIATES ENGINEERS & GEOLOGISTS	STOCKPILE GRADING	JOHN SMITH ROAD LANDFILL	TYPICAL DETAILS	DRAWING: 2.3
					009130.04		0 1 2					SHEET: OF
					DRAWN BY: D. ZAITZ	SCALE: NTS						DATE: 1/16/2020
					ENGINEER: D. BROWN	DATE:						
					CHECKED BY: C. COLES	DATE:						

GENERAL CONDITIONS		GENERAL NOTES		APPLICATION RATES:		STRAW FOR MULCHING:		WOOD FIBER FOR TACKING:		PERMANENT SEEDING		FERTILIZER		TACKING AGENT:		STABILIZING EMULSION:	
				1. TEMPORARY MULCHING SHALL INCLUDE THE FOLLOWING ITEMS AT THE SHOWN APPLICATION RATES:		2 TONS PER ACRE <20% SLOPE 2-1/2 TONS PER ACRE >20% SLOPE		2 TONS PER ACRE 90 LBS PER ACRE		1. SEED FOR PERMANENT EROSION CONTROL WORK SHALL CONSIST OF THE FOLLOWING MIX (OR APPROVED EQUAL SUITABLE FOR LOCAL CONDITIONS):		1. 15-15-15 (N-P-K), 10% SULFUR IS OPTIONAL, OR AS APPROVED BY THE ENGINEER.		1. USE NONTXIC COMMERCIALY PRODUCED TACKING AGENT.		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.	
						3,000 LB PER ACRE PER MANUFACTURER INSTRUCTIONS		2,000 LBS PER ACRE				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.				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.	
						ADD WATER AS NEEDED AND SPECIFIED BY THE MANUFACTURER FOR OPTIMAL APPLICATION.		PER MANUFACTURER INSTRUCTIONS				3. FERTILIZER SHALL BE A FORMULATION SUITABLE FOR HYDROSEEDING PURPOSES AND SOLUBLE IN WATER.				3. STABILIZING EMULSION SHALL BE NONTXIC TO PLANT OR ANIMAL LIFE AND NONSTAINING TO CONCRETE OR PAINTED SURFACES. IN THE CURED STATE, THE STABILIZING EMULSION MAY BE RE-EMULSIFIABLE.	
												4. APPLY AT A RATE OF 200 LB. PER ACRE.				4. THE MATERIAL SHALL BE REGISTERED WITH AND LICENSED BY THE STATE OF CALIFORNIA, DEPARTMENT OF FOOD AND AGRICULTURE, AS AN "AUXILIARY SOIL CHEMICAL."	

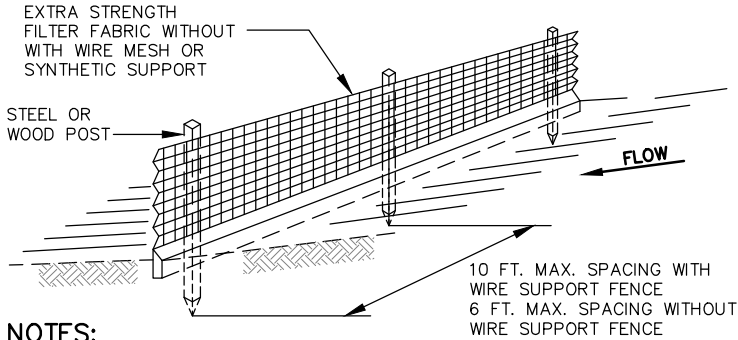
NO.	DATE	REVISIONS	BY	CHK	PROJECT NO:	PROJECT ID:	ORIGINAL SCALE IN INCHES	LAWRENCE & ASSOCIATES ENGINEERS & GEOLOGISTS	STOCKPILE GRADING		EROSION CONTROL LEGEND	DRAWING: 3.0
					009130.04							
					DRAWN BY:	SCALE:			JOHN SMITH ROAD LANDFILL			SHEET: OF
					D. ZAITZ	NO SCALE						
					ENGINEER:	DATE:						
					D. BROWN	9/16/2019						
					CHECKED BY:	DATE:						DATE: 1/16/2020
					C. COLES	9/16/2019						



NO.		DATE	REVISIONS	BY	CHK	PROJECT NO:	PROJECT ID:	ORIGINAL SCALE IN INCHES		STOCKPILE GRADING		EROSION CONTROL PLAN		DRAWING:	
1	1/31/20		ADDENDUM 1 - STOCKPILE BASIN	JB	DB	009130.04		0	1	JOHN SMITH ROAD LANDFILL				3.1	
						DRAWN BY:	SCALE:							SHEET:	
						D. ZAITZ	1" = 50'							OF	
						ENGINEER:	DATE:							DATE:	
						D. BROWN								1/16/2020	
						CHECKED BY:	DATE:								
						C. COLES									

WATTLE SPACING TABLE

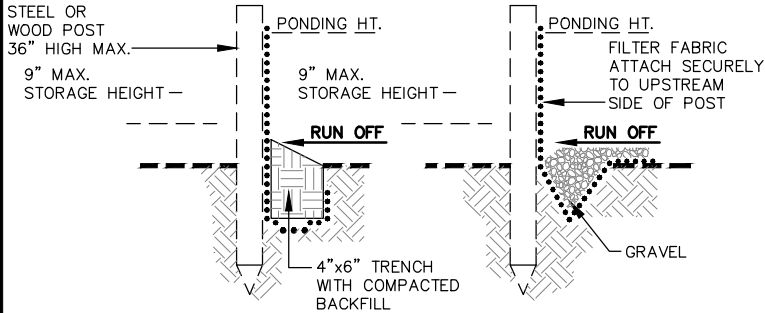
SLOPE	SLOPE SPACING	L.F. PER ACRE
3%-10%	100'	436
10%-19%	50'	872
2:1 TO 3:1 FILL SIDESLOPE	25'	1,742
4:1 TO 5:1 FILL SIDESLOPE	40'	1,089
BORROW AREA CUT SLOPE	AT TOE	AND 20' UP SLOPE



NOTES:

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 EFFICIENCY.

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



STANDARD DETAIL

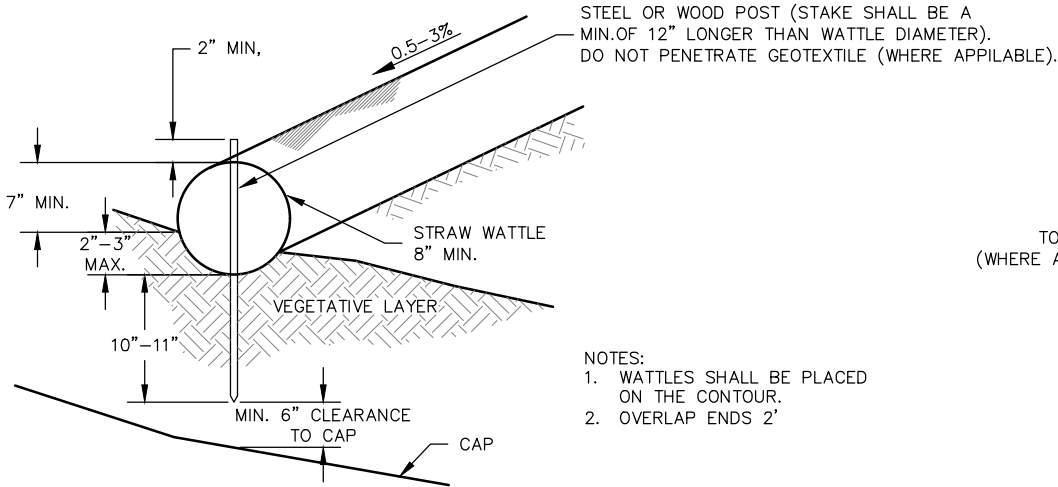
TRENCH WITH NATIVE BACKFILL

ALTERNATE DETAIL

TRENCH WITH GRAVEL

SILT FENCE (IF NEEDED FOR RAIN-EVENT ACTION PLAN

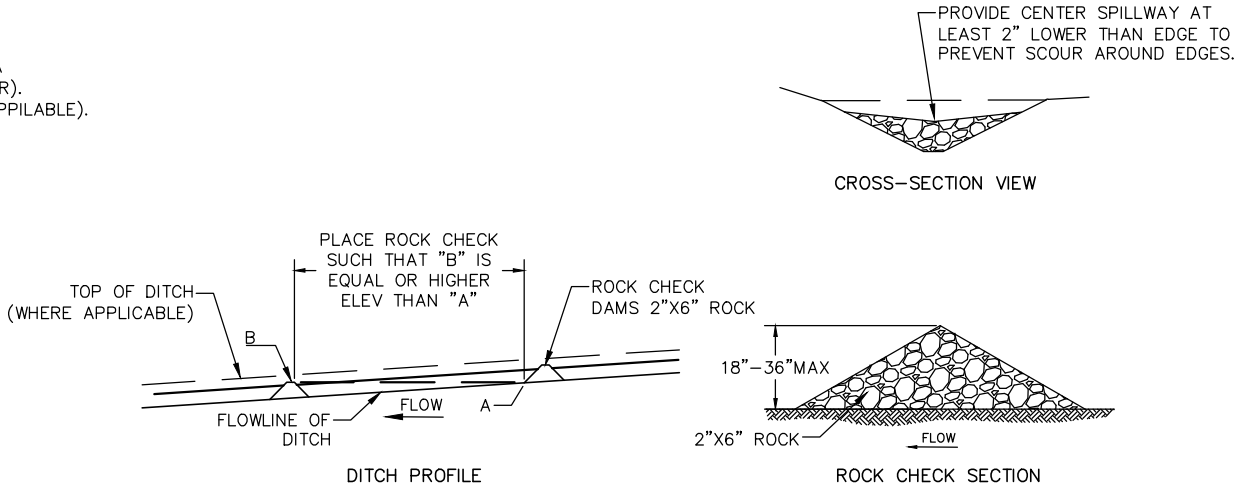
SCALE: NTS



- NOTES:
1. WATTLES SHALL BE PLACED ON THE CONTOUR.
 2. OVERLAP ENDS 2'

STRAW WATTLE/FIBER ROLLS DETAIL

SCALE: NTS

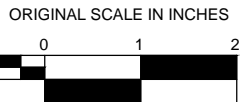


ROCK CHECK DAMS

SCALE: NTS

NO.	DATE	REVISIONS	BY	CHK

PROJECT NO: 009130.04	PROJECT ID:
DRAWN BY: D. ZAITZ	SCALE: NTS
ENGINEER: D. BROWN	DATE:
CHECKED BY: C. COLES	DATE:



STOCKPILE GRADING

JOHN SMITH ROAD LANDFILL

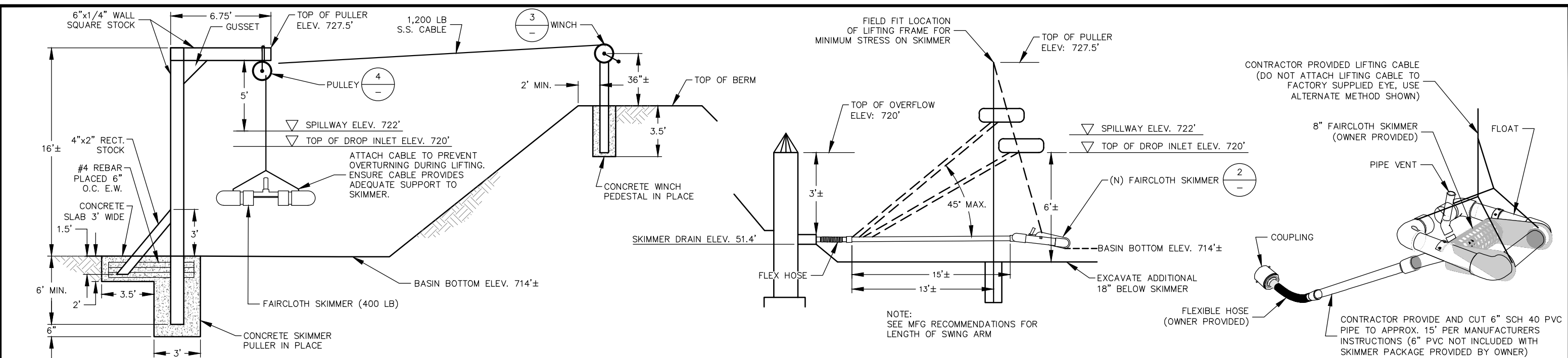
EROSION CONTROL DETAILS



DRAWING:
3.2

SHEET:
OF

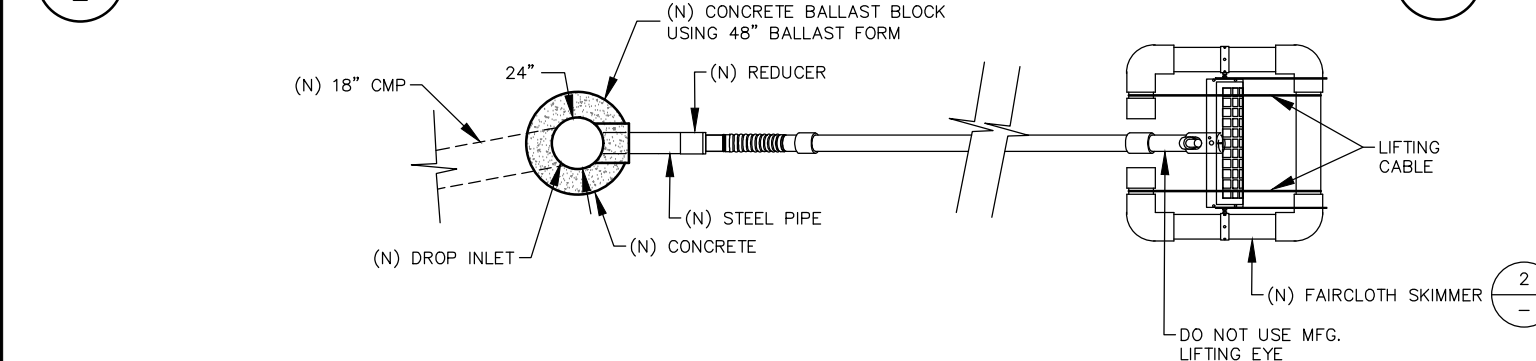
DATE:
1/16/2020



A CONCEPTUAL SKIMMER PULLER
SCALE: N.T.S.

1 CONCEPTUAL SKIMMER PULLER (SIDE VIEW)
SCALE: N.T.S.

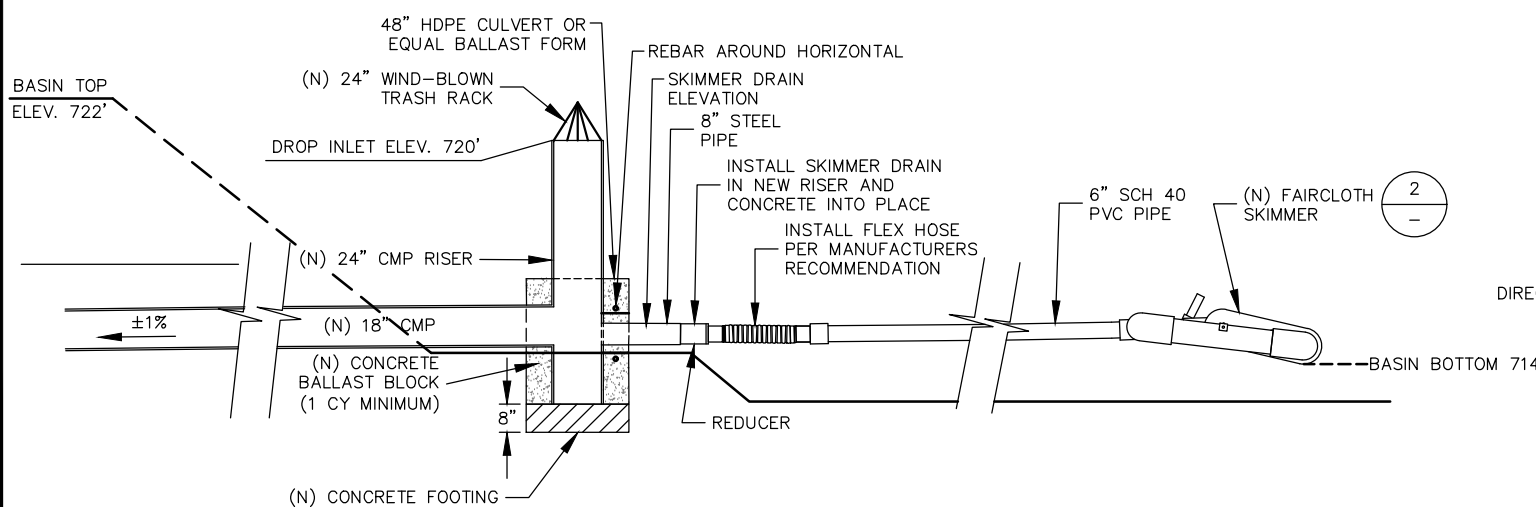
2 FAIRCLOTH SKIMMER
SCALE: N.T.S.



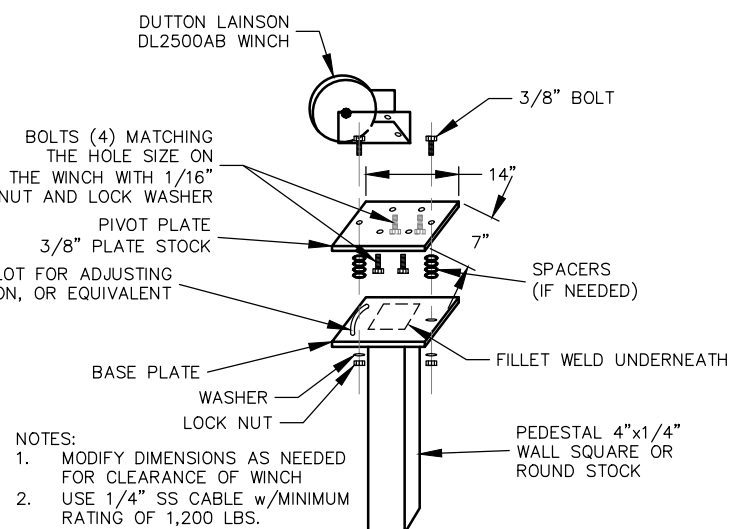
2

NOTE: PAINT SKIMMER PULLER AND WINCH PEDESTAL AS DESCRIBED IN THE GENERAL NOTES

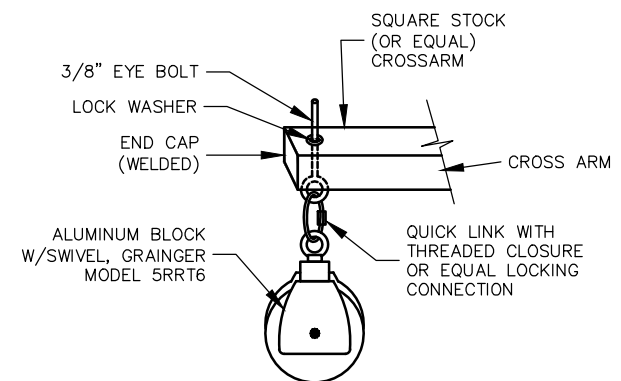
(N) NEW
(E) EXISTING



B CONNECTION TO DROP INLET
SCALE: N.T.S.



3 WINCH PEDESTAL DETAIL
SCALE: N.T.S.



4 PULLEY DETAIL
SCALE: N.T.S.

NO.		DATE	REVISIONS		BY	CHK	PROJECT NO:	PROJECT ID:	<div>ORIGINAL SCALE IN INCHES</div> <div><div><div>0</div><div>1</div><div>2</div></div></div> <th rowspan="5"><div> LAWRENCE & ASSOCIATES ENGINEERS & GEOLOGISTS</div></th> <th colspan="2">STOCKPILE GRADING</th> <th rowspan="5"><div>FAIRCLOTH SKIMMER</div></th> <th rowspan="5"><div> REGISTERED PROFESSIONAL ENGINEER DAVID C. BROWN 009135 Exp. 6-30-20 CIVIL STATE OF CALIFORNIA</div></th> <th>DRAWING:</th>	<div> LAWRENCE & ASSOCIATES ENGINEERS & GEOLOGISTS</div>	STOCKPILE GRADING		<div>FAIRCLOTH SKIMMER</div>	<div> REGISTERED PROFESSIONAL ENGINEER DAVID C. BROWN 009135 Exp. 6-30-20 CIVIL STATE OF CALIFORNIA</div>	DRAWING:
1	1/31/20	ADDENDUM 1 – STOCKPILE BASIN		JB	DB	009130.04		4.0							
						DRAWN BY:	SCALE:	SHEET:							
						J. BEERS	AS SHOWN	OF							
						ENGINEER:	DATE:	DATE:							
						D. BROWN			2/4/2020						
						CHECKED BY:	DATE:								
						C. COLES									