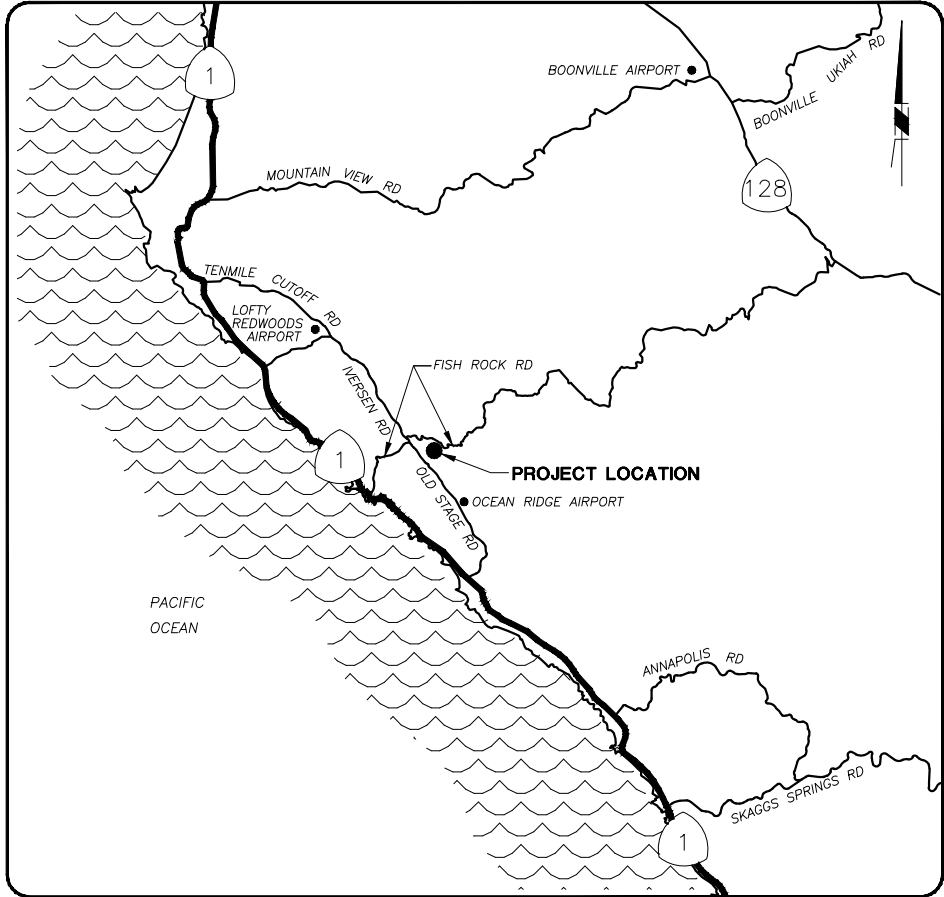


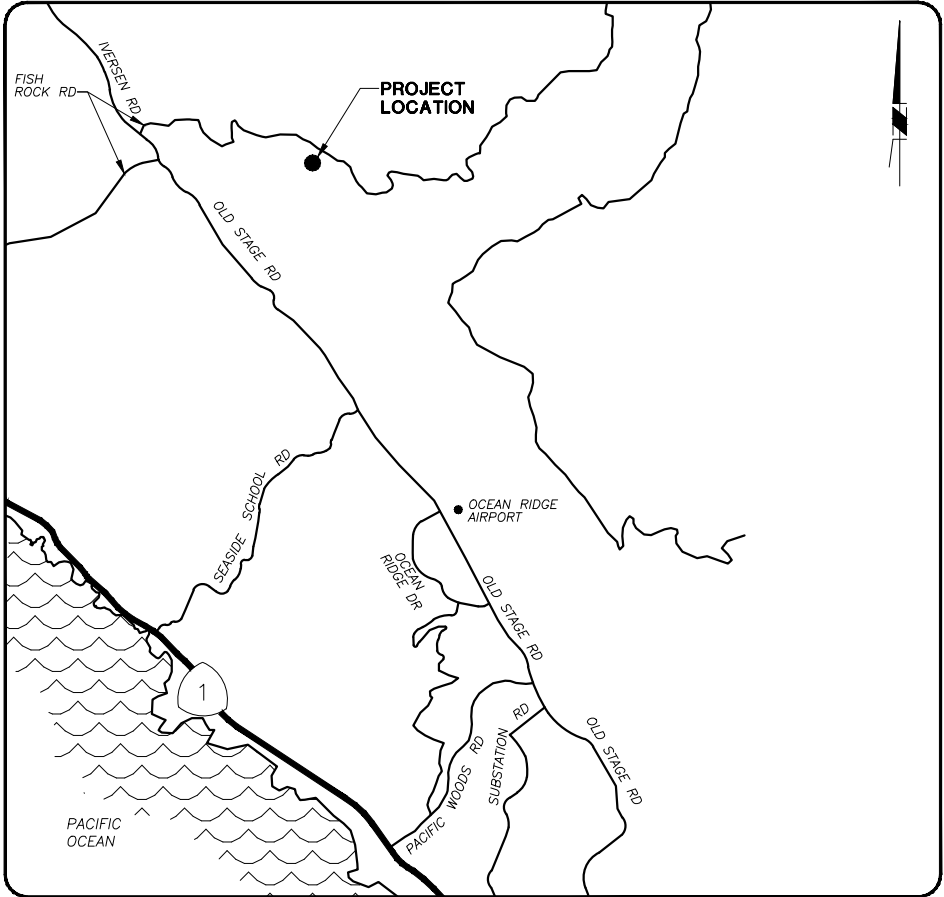
**SOUTH COAST LANDFILL
FINAL CLOSURE CONSTRUCTION PROJECT
GUALALA, CALIFORNIA
COUNTY OF MENDOCINO
DEPARTMENT OF TRANSPORTATION**



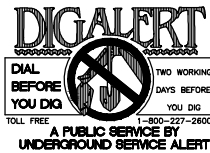
VICINITY MAP
SCALE: 1"=3 MI

LIST OF DRAWINGS

DRAWING NUMBER	TITLE AND DESCRIPTION
1	TITLE SHEET
2	SITE PLAN
3	REFUSE LIMIT VERIFICATION/ TRENCHING/SOIL BORROW PLAN
4	REFUSE RECONSOLIDATION PLAN
5	FINAL GRADING PLAN
6	LFG PLAN
7	SECTIONS
8	PAVING/EROSION CONTROL PLAN
D1	DETAIL SHEET
D2	DETAIL SHEET
D3	DETAIL SHEET
D4	EROSION CONTROL DETAIL SHEET



LOCATION MAP
SCALE: 1"=0.5 MI



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SWT Engineering Civil & Environmental
800-C SOUTH ROCHESTER AVENUE
ONTARIO, CALIFORNIA 91761



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DATE

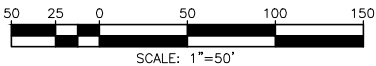
MENDOCINO COUNTY
SOUTH COAST LANDFILL
**FINAL CLOSURE CONSTRUCTION PROJECT 2019
TITLE SHEET**

DESIGNED BY : RMG	SCALE : AS SHOWN	PROJECT NO: --
DRAWN BY : CTD/DMW	DATE : 01-2019	
CHECKED BY :	DATE :	
APPROVED BY :	DATE :	SHEET 1 OF 12

Z:\PROJECTS\MENDOCINO COUNTY\SOUTH COAST\FINAL CLOSURE CONSTRUCTION 2016\ACAD\SHEET SET\01-SOC TITLE SHEET



- ④1 INSTALL GRAVEL BAG CHEVRON PER ① D4
④2 CONSTRUCT INLET TO CONCRETE DOWNDRAIN PER ⑦ D3
④3 INSTALL CABLE GATE PER ⑤ D2
④4 JOIN 4" HDPE PIPE TO HDPE EDGE DRAIN WITH EDGE DRAIN TO PIPE TRANSITION FITTING
④5 INSTALL ARMOR FILL EMULSION OVER SAND INFILL PER PLAN
④6 INSTALL HYDRO BINDER INFILL IN LIEU OF SAND INFILL AT ALL DRAINAGE SWALES PER PLAN (1-FOOT DEPTH)



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- - - PERMITTED LIMIT OF REFUSE
X X EXISTING FENCE
500 EXISTING GRADE CONTOUR
500 FINISHED GRADE CONTOUR
--- TOE OF SLOPE
--- DAYLIGHT LINE
--- RIDGE LINE
C F CUT/FILL TRANSITION
--- FINISHED BENCH
--- HDPE EDGE DRAIN
--- DRAINAGE COLLECTOR
--- LFG/SEEP COLLECTOR
3:1 DIRECTION AND RATE OF SLOPE
① D1 DETAIL NUMBER
① D1 SHEET SHOWN ON
7 Δ 513.6 HORIZONTAL/VERTICAL CONTROL (HVC)
◆ FINAL COVER SETTLEMENT MONUMENT
⊗ P-3 LFG PROBE
--- VERTICAL PASSIVE VENT GAS WELL
--- LANDFILL GAS PASSIVE VENT RISER LOCATION
--- LANDFILL GAS PASSIVE TRENCH BELOW 60 MIL LLDPE
■ LFGW-1 GAS MONITORING PROBE

NOTICE TO CONTRACTOR

1. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND SHALL BE CONFIRMED IN THE FIELD BY THE CONTRACTOR SO THAT ANY NECESSARY ADJUSTMENT CAN BE MADE IN ALIGNMENT AND/OR GRADE OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE EXACT DETERMINATION AS THE LOCATION OF ALL EXISTING UTILITIES. FORTY-EIGHT (48) HOURS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT AT 1-800-422-4133 AND SHALL PROVIDE THE CONSTRUCTION MANAGER WITH VERIFICATION NUMBERS ISSUED.
3. THE FACT THAT ANY UTILITY FACILITY IS SHOWN OR NOT SHOWN UPON THE PLANS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY UNDER SECTION 8-1.10 "UTILITY AND NON-HIGHWAY FACILITIES," OF THE STATE STANDARD SPECIFICATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY, PURSUANT THERETO, TO ASCERTAIN THE LOCATION OF ANY UTILITY FACILITY WHICH MAY BE SUBJECT TO DAMAGE BY REASON OF THE CONTRACTOR'S OPERATIONS.

4. REGARDING SIGNED DRAWING VERSUS ELECTRONIC COPY: SHOULD THE CONTRACTOR OR CONTRACTOR'S SURVEYOR FIND A CONTOUR LABEL OR ELEVATION DISCREPANCY BETWEEN THE SIGNED DRAWING AND THE ELECTRONIC VERSION (WHICH HAVE BEEN PROVIDED AS A COURTESY FOR EASE OF CONSTRUCTION STAKING), THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF THE DISCREPANCY SO THAT THE DISCREPANCY MAY BE RESOLVED, PRIOR TO CONSTRUCTION. THE SIGNED DRAWING SUPERSEDES THE ELECTRONIC VERSION.

COORDINATE CONTROL POINTS

PT NO	NORTHING	EASTING	ELEVATION
3	9443.63	10064.07	498.9
6	9618.41	10287.41	496.2
7	10128.71	9963.78	513.6
8	10049.25	9525.71	490.2
9	9959.54	9483.59	494.5

NOTES

1. TOPOGRAPHIC DATA COMPILED FROM 15 FEBRUARY 2012 AERIAL PHOTOGRAPHY BY DELTA GEOMATICS CORPORATION.
2. ELEVATIONS ARE IN FEET ABOVE MEAN SEA LEVEL, NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29).
3. GRID COORDINATES CORRESPOND TO THE CALIFORNIA STATE PLANE COORDINATE SYSTEM, ZONE 3, NAD83.
4. LOCATIONS OF STOCKPILES ARE APPROXIMATE.
5. EQUIPMENT AND MATERIAL STAGING AREA(S) TO BE DETERMINED BY OWNER.
6. ALL EXISTING STRUCTURES SUCH AS BUILDINGS, POLES, FENCES, PIPES, DITCHES, PONDS, ETC. WITHIN LIMIT OF EARTHWORK SHALL BE REMOVED AS REQUIRED BY THE OWNER.

ABBREVIATIONS

AC	ASPHALT CONCRETE	LFG	LANDFILL GAS
CHDPE	CORRUGATED HIGH DENSITY POLYETHYLENE	LP	LOW POINT
		OC	ON CENTER
FL	FLOWLINE	PP	POWER POLE
FP	FINISHED PAVEMENT	TC	TOP OF CURB
GB	GRADE BREAK	TS	TOP OF SLOPE
HP	HIGH POINT	TYP	TYPICAL
INV	INVERT OF PIPE	UD	UNDERDRAIN

CONSTRUCTION NOTES

- ① CLEAR AND GRUB
② PROTECT IN PLACE
③ REMOVE EXISTING STRUCTURES
④ ADJUST TO FINAL GRADE
⑤ PERFORM REFUSE EXCAVATION AND PLACE IN DESIGNATED RECONSOLIDATION AREA SHOWN PER PLAN
⑥ PERFORM UNCLASSIFIED EXCAVATION AT STOCKPILE AREAS AND BORROW AREA FOR FINAL COVER
⑦ CONSTRUCT FINAL COVER SECTION - SLOPE PER ① D1
⑧ CONSTRUCT FINAL COVER SECTION - DECK PER ② D1
⑨ CONSTRUCT HDPE EDGE DRAIN COLLECTOR (BELOW FINAL COVER LLDPE) PER ③ D1
⑩ CONSTRUCT DRAINAGE COLLECTOR PER ④ D1
⑪ CONSTRUCT FINAL COVER SLOPE TERMINATION PER ⑤ D1 (WITH SWALE), OR PER ⑪ D1 (NO SWALE)
⑫ PERFORM 2-FOOT (PLUS INTERIM SOIL COVER) REFUSE EXCAVATION PRIOR TO PLACEMENT OF INTERIM COVER AND 2-FOOT FOUNDATION SOIL LAYER; PERFORM 10-FOOT TRANSITION FROM 2-FOOT VERTICAL CUT TO DAYLIGHT WITH EXISTING GRADE (REFUSE EXCAVATION PLUS INTERIM COVER) PER ④ D2
⑬ CONSTRUCT BENCH LINER TERMINATION PER ⑥ D3
⑭ CONSTRUCT FINAL COVER TERMINATION - NORTHEAST PERIMETER ROAD PER ⑥ D1
⑮ CONSTRUCT CONCRETE ACCESS RAMP TO BASIN WITH INTEGRAL CONCRETE CURB PER ④ D3
⑯ CONSTRUCT TOP DECK TRANSITION PER ⑧ D1
⑰ CONSTRUCT FINAL COVER TERMINATION - SOUTH AND WEST PERIMETER ROAD PER ④ D2
⑱ CONSTRUCT DECK ACCESS ROAD PER ⑨ D1
⑲ INSTALL PIPE BOLLARD PER ⑧ 6
⑳ CONSTRUCT CONCRETE DOWNDRAIN/CHANNEL PER ① D2
㉑ CONSTRUCT RIP RAP PAD PER ① D2
㉒ CONSTRUCT BASIN BERM AND DOWNDRAIN INLET AT STORMWATER BASIN PER ③ D3
㉓ RELOCATE/ADJUST SURVEY MONUMENT TO GRADE PER PROJECT SPECIFICATIONS AND PER ② D3
㉔ INSTALL SAND IN-FILL PER MANUFACTURERS RECOMMENDATIONS PER ① D1 ② D1
㉕ CONSTRUCT BENTONITE PLUG/EDGE DRAIN OUTLET PER ⑦ D1
㉖ CONSTRUCT 4" SOLID HDPE PIPE (SDR 17)
㉗ EXTEND PIPE AND JOIN TO EXISTING LEACHATE OUTFALL PIPING/TANK
㉘ CONSTRUCT ANCHOR TRENCH WITH LFG COLLECTION TRENCH PER ⑧ D1
㉙ CONSTRUCT TYPE A AC DIKE PER CALTRANS STD PLAN A87B
㉚ CONSTRUCT 12"x12" DEEP LIFT AC/CONCRETE TERMINATION
㉛ CONSTRUCT 3" AC OVER NATIVE SOIL COMPACTED TO 95% OF ASTM D1557 PER ⑥ D1 OR ⑨ D1 OR ④ D2
㉜ CONSTRUCT SPLASHWALL PER ⑤ D3
㉝ PROTECT/ADJUST LFG GAS PROBE TO FINAL GRADE; INSTALL 3 EACH PIPE BOLLARDS AT EACH PROBE PER ④ 6 ⑧ 6
㉞ CONSTRUCT VERTICAL LANDFILL GAS WELL PER ③ 6
㉟ CONSTRUCT LANDFILL GAS VENT PER ① 6
㊱ INSTALL LANDFILL GAS TRENCH COLLECTION GALLERY WITH 2 CF/LF TRENCH GRAVEL, 4" SLOTTED HDPE PIPE AND 8 OZ/SY GEOTEXTILE WRAP PER ② 6
㊲ CONSTRUCT LLDPE SKIRT AND SLEEVE PER ⑦ 6
㊳ INSTALL LFG/SEEP COLLECTOR PER ⑩ D1
㊴ HYDROSEED ON SITE AREA
㊵ INSTALL FIBER ROLL PER ② D4 ③ D4

PREPARED BY:

SWT Civil & Environmental Engineering
800-C SOUTH ROCHESTER AVENUE
ONTARIO, CALIFORNIA 91761

PREPARED UNDER THE SUPERVISION OF



DATE

MENDOCINO COUNTY
SOUTH COAST LANDFILL
FINAL CLOSURE CONSTRUCTION PROJECT 2019
SITE PLAN

DESIGNED BY : RMG	SCALE : AS SHOWN	PROJECT NO: -
DRAWN BY : CTD/DMW	DATE : 01-2019	
CHECKED BY :	DATE :	
APPROVED BY :	DATE :	SHEET 2 OF 12



CONSTRUCTION NOTES

- 1 CLEAR AND GRUB
- 2 PROTECT IN PLACE
- 3 REMOVE EXISTING STRUCTURES
- 6 PERFORM UNCLASSIFIED EXCAVATION AT STOCKPILE AREAS AND BORROW AREA FOR FINAL COVER
- 23 RELOCATE/ADJUST SURVEY MONUMENT TO GRADE PER PROJECT SPECIFICATIONS AND PER 2
D3

BORROW NOTES

1. ORDER OF BORROW AS FOLLOWS:
 - A STOCKPILE 1 AND 2
 - B BORROW AREA 1
 - C ACCESS EXCAVATION
 - D BORROW AREA 2 (SEE NOTE 2)
2. IF NOT ALL OF BORROW AREA 2 IS NEEDED, ROUND OFF SLOPE 2:1 MAX AND FLAT AREAS AT 3% OVER REFUSE; 1% OUTSIDE WASTE AREAS.

TRENCHING NOTES

1. CONTRACTOR'S SURVEYOR SHALL STAKE TRENCH LOCATIONS BASED ON A 5-FOOT OFFSET EXTERNAL TO THE APPROXIMATE REFUSE LIMIT.
2. REFUSE LIMIT VERIFICATION TRENCH TO START AT THE 5-FOOT OFFSET AND PROGRESS PERPENDICULAR TO REFUSE LIMIT INWARD UNTIL REFUSE LIMIT IS LOCATED; SURVEY LOCATION OF REFUSE LIMIT AND INTERIM COVER THICKNESS.
3. REFUSE BOTTOM LOCATION TRENCHING SHALL START SIMILAR TO (3) ABOVE; CONTRACTOR SHALL TRENCH INWARD FROM ESTABLISHED REFUSE LIMIT AND SHALL TRENCH THROUGH REFUSE TO 5-FOOT BEYOND INNER (PROPOSED) REFUSE LIMIT SO THAT A BOTTOM PROFILE CAN BE ESTABLISHED.
4. SURVEY OF REFUSE LIMIT AND BOTTOM PROFILE AT THE BEGINNING, END AND AT 10-FOOT MAXIMUM HORIZONTAL SPACING WITHIN THE REFUSE TRENCH SHALL BE PERFORMED.

TRENCHING LEGEND

- B TRENCH FOR REFUSE BOTTOM EXCAVATION DETERMINATION
- A LIMIT OF REFUSE LOCATION TRENCH

NOTE:
1. SEE SHEET NO. 2 FOR LEGEND.

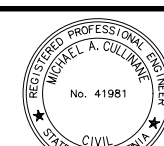
DATE OF TOPOGRAPHY: FEBRUARY 15, 2012

NO.	REVISION DESCRIPTION	DATE

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MENDOCINO COUNTY SOUTH COAST LANDFILL		
FINAL CLOSURE CONSTRUCTION PROJECT 2019 REFUSE LIMIT VERIFICATION/TRENCHING/SOIL BORROW PLAN		
DESIGNED BY : RMG	SCALE : AS SHOWN	PROJECT NO: -
DRAWN BY : CTD/DMW	DATE : 01-2019	
CHECKED BY :	DATE :	
APPROVED BY :	DATE :	

SHEET 3 OF 12

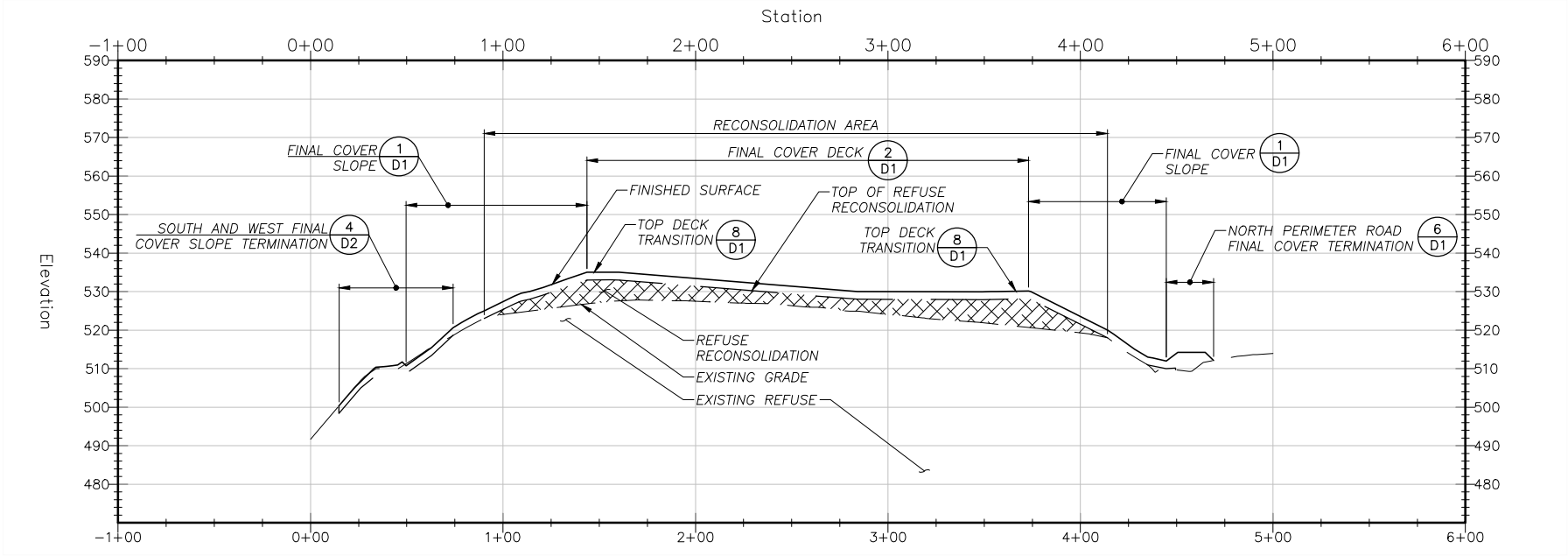
Z:\PROJECTS\MENDOCINO COUNTY\SOUTH COAST\FINAL CLOSURE CONSTRUCTION 2019\ACAD\SHEET SET\03-50C STOCKPILE REMOVAL AND BORROW PLAN



-IF THE BOTTOM OF THE LANDFILL IS ENCOUNTERED DURING DRILLING, THE CONTRACTOR SHALL INSTALL A 5' THICK BENTONITE SEAL, AT BOTTOM OF BORE HOLE



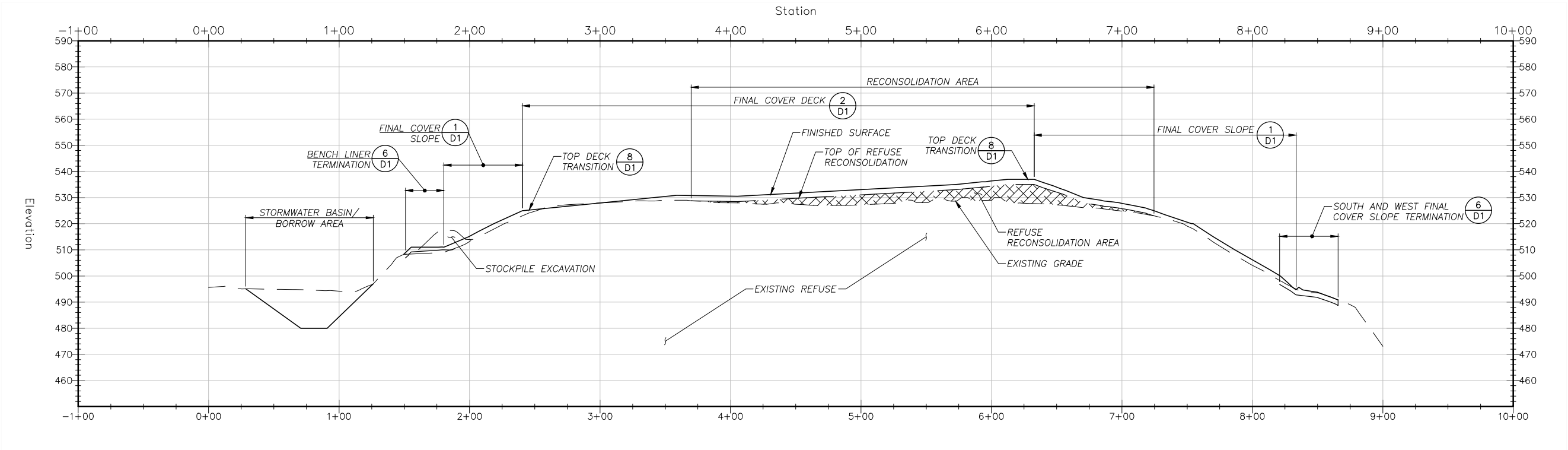
DESIGNED BY : RMG	SCALE : AS SHOWN	PROJECT NO: -
DRAWN BY : CTD/DMW	DATE : 01-2019	
CHECKED BY :	DATE :	SHEET 6 OF 12
APPROVED BY :	DATE :	



SECTION A

SCALE: HORIZ. 1"=40'
VERT. 1"=20'

A
7



SECTION B

SCALE: HORIZ. 1"=40'
VERT. 1"=20'

B
7

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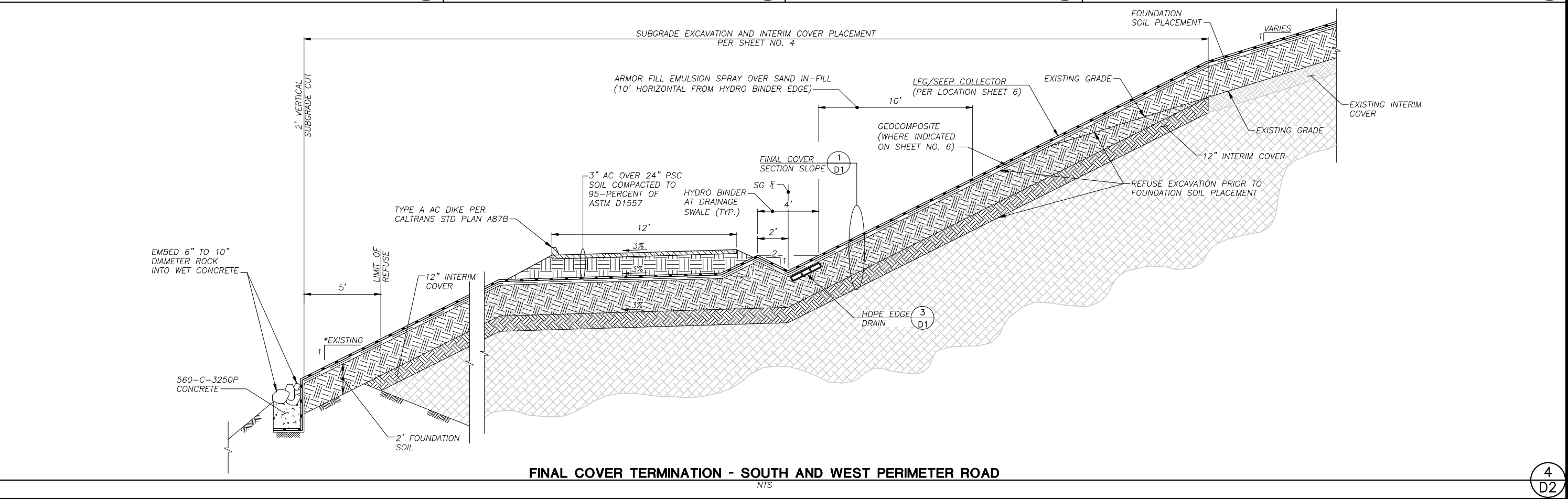
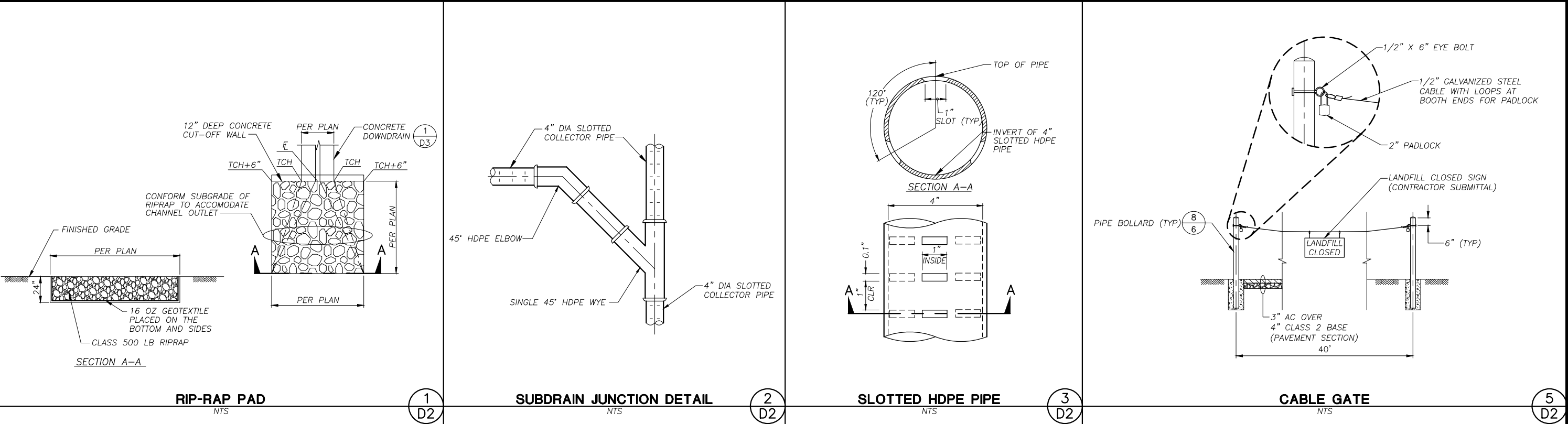
MENDOCINO COUNTY
SOUTH COAST LANDFILL
**FINAL CLOSURE CONSTRUCTION PROJECT 2019
SECTIONS**

DESIGNED BY : RMG	SCALE : AS SHOWN	PROJECT NO: --
DRAWN BY : CTD/DMW	DATE : 01-2019	
CHECKED BY :	DATE :	
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SHEET 7 OF 12

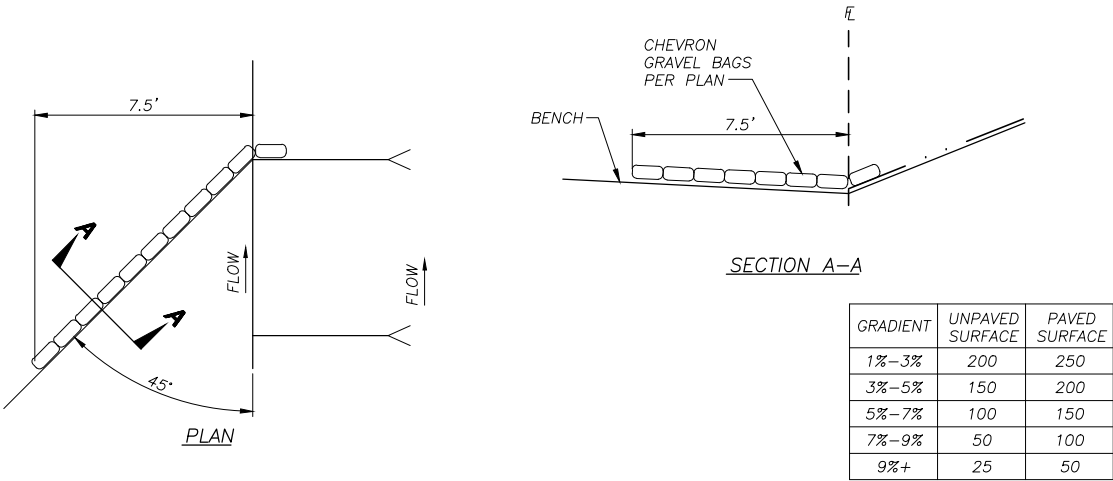


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DRAWN BY : CTD/DMW	DATE : 01-2019	
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						DESIGNED BY : RMG			SCALE : AS SHOWN			PROJECT NO: --		
						DRAWN BY : CTD/DMW			DATE : 01-2019					
						CHECKED BY :			DATE :					
						APPROVED BY :			DATE :			SHEET 10 OF 12		
NO.			REVISION DESCRIPTION			DATE								

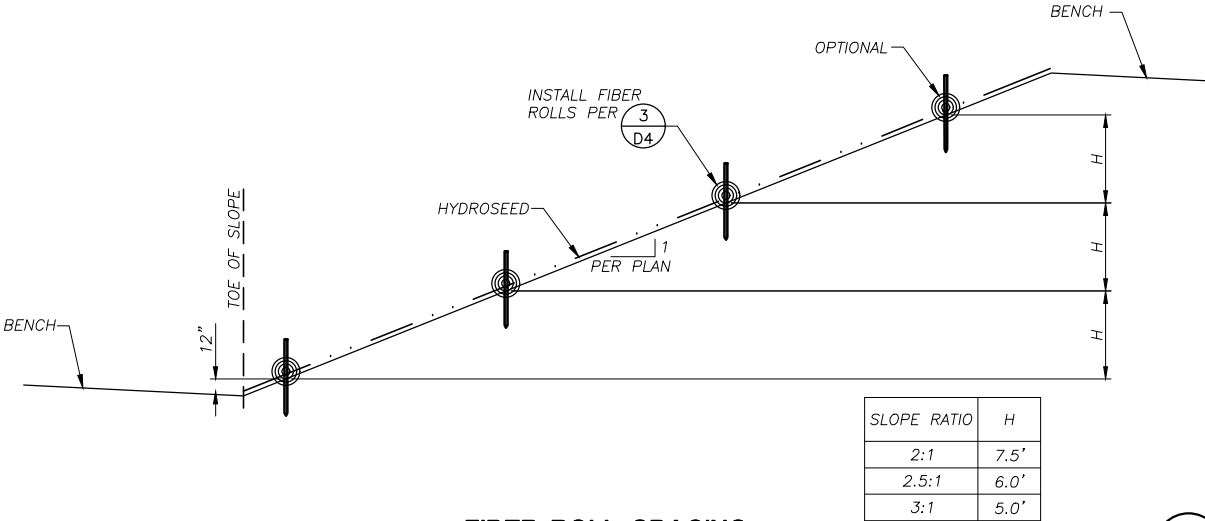
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GRAVEL BAG CHEVRON DETAIL

NTS

1
D4

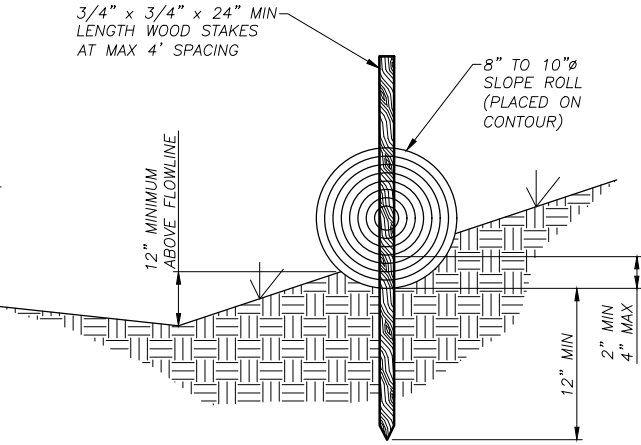


FIBER ROLL SPACING

NTS

2
D4

- NOTES:
- 1) FIBER ROLL INSTALLATION AT BENCH SHALL BE A MINIMUM OF 12" ABOVE BENCH FLOWLINE, UNLESS SILT FENCE IS SPECIFIED AT THAT LOCATION.
 - 2) A 3" DEEP TRENCH, THE WIDTH OF THE ROLL, DUG PER PLAN LOCATION SHALL "NEST" THE STRAW ROLL SO AS NOT TO ALLOW RUNOFF TO FLOW UNDER OR AROUND ROLL.
 - 3) FIBER ROLLS SHALL BE PLACED ON SLOPES AT H- FEET VERTICAL INTERVALS STARTING FROM THE TOE OF RESPECTIVE SLOPE. DECK ROLLS SHALL BE PLACED AT 10- FEET VERTICAL INTERVALS AS SHOWN ON THE PLAN.
 - 4) INSTALL FIBER ROLLS ALONG A LEVEL CONTOUR.
 - 5) INSTALL FIBER ROLLS UP GRADIENT AND NEAR TRANSITION OF SLOPES.
 - 6) INSTALL NUMEROUS ROLLS IN A ROW BY OVERLAPPING, NOT ABUTTING.
 - 7) TURN ENDS OF ROLLS UP SLOPE TO PREVENT RUNOFF FROM GOING AROUND THE ROLL.
 - 8) SEDIMENT IS TO BE REMOVED WHEN ACCUMULATION REACHES ONE HALF THE DISTANCE BETWEEN THE TOP OF THE ROLL AND ADJACENT GROUND SURFACE.



FIBER ROLLS

NTS

3
D4

NO.	REVISION	DESCRIPTION	DATE

PREPARED BY:

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800-C SOUTH ROCHESTER AVENUE
ONTARIO, CALIFORNIA 91761



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DATE

MENDOCINO COUNTY SOUTH COAST LANDFILL FINAL CLOSURE CONSTRUCTION PROJECT 2019 EROSION CONTROL DETAIL SHEET		
DESIGNED BY : RMG	SCALE : AS SHOWN	PROJECT NO: --
DRAWN BY : CTD/DMW	DATE : 01-2019	
CHECKED BY :	DATE :	
APPROVED BY :	DATE :	SHEET 12 OF 12

Z:\PROJECTS\MENDOCINO COUNTY\SOUTH COAST\FINAL CLOSURE CONSTRUCTION 2016\ACAD\SHEET SET\12-SOC EC DETAIL SHEET D4