

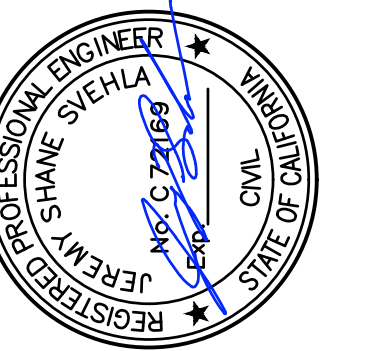
HUMBOLDT COUNTY RESOURCE CONSERVATION DISTRICT

SALT RIVER ECOSYSTEM RESTORATION PROJECT 2023 SEDIMENT MANAGEMENT AREA MAINTENANCE AUGUST 2023

PREPARED BY

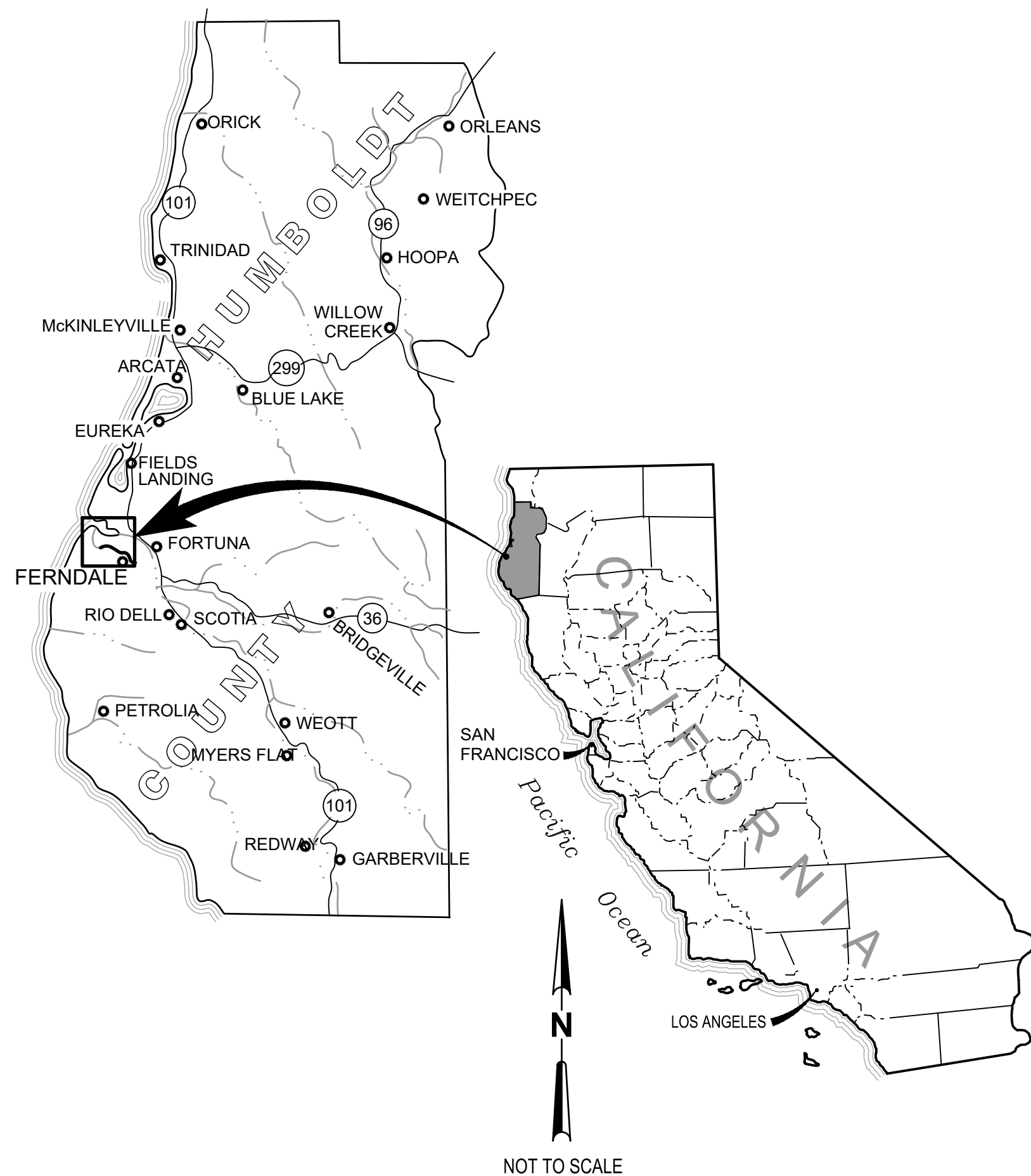


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W www.ghd.com

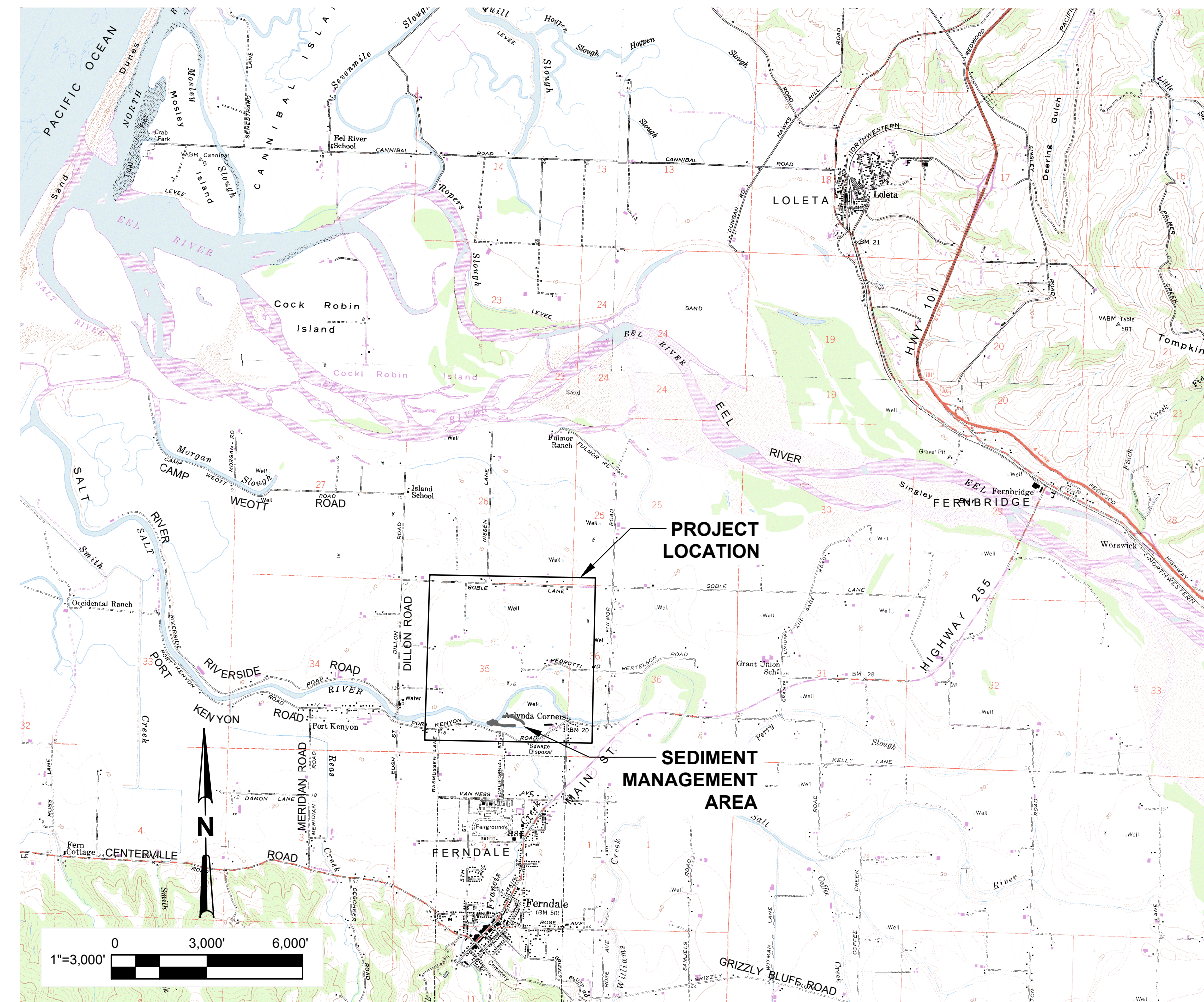


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AREA MAP



LOCATION MAP



INDEX OF DRAWINGS

GENERAL

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TYPICAL DETAILS

SHEET #	DRAWING	DRAWING TITLE
9	C-5	DETAILS

ENGINEER: GHD INC

JEREMY SVEHLA PE, PROJECT MANAGER

APPROVAL: 8-01-2023
SIGNED DATE



MARK	DATE	DESCRIPTION	ISSUE

HUMBOLDT COUNTY RESOURCE
CONSERVATION DISTRICT
SALT RIVER ECOSYSTEM RESTORATION PROJECT

COVER SHEET

PROJ NO: 10653-8410410
DRWN: P. DUIN CHKD: JS

G-1

SHEET 1 OF 9

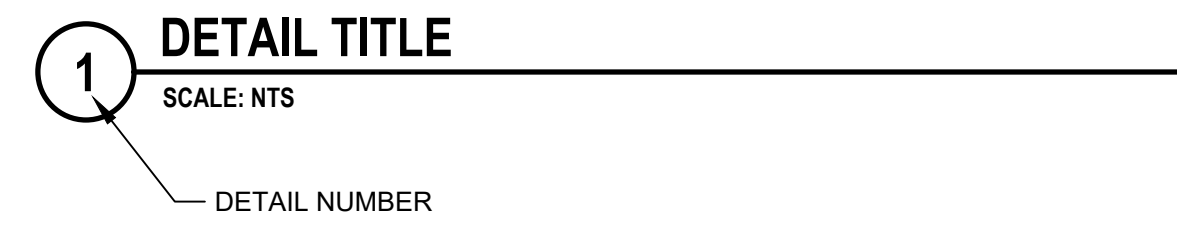
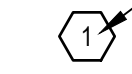
LEGEND (SOME LEGEND ITEMS ARE SHOWN ON INDIVIDUAL SHEETS AND ARE NOT REPEATED HERE)

GENERAL:

- ∅ DIAMETER
- ± APPROXIMATE
- ⊕ CENTERLINE

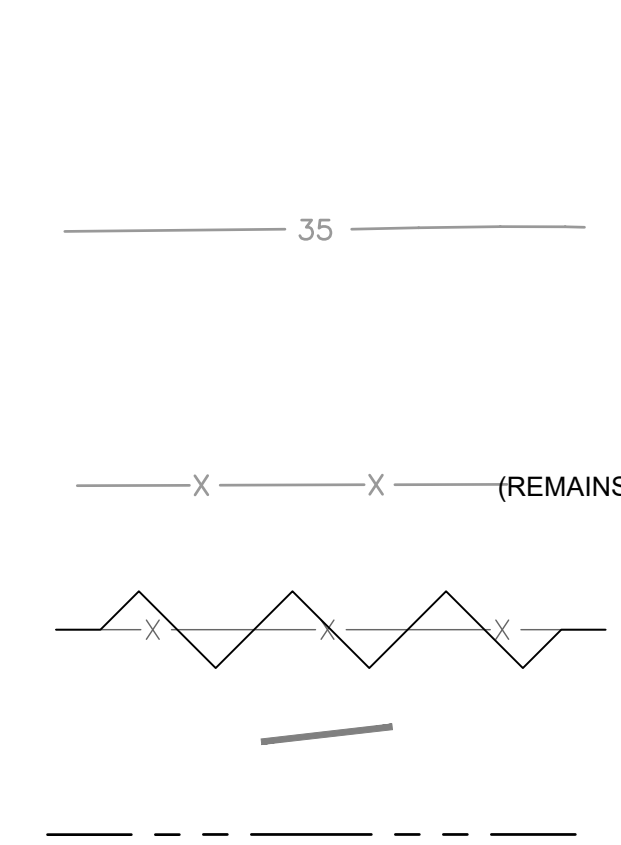


KEYNOTE NUMBER

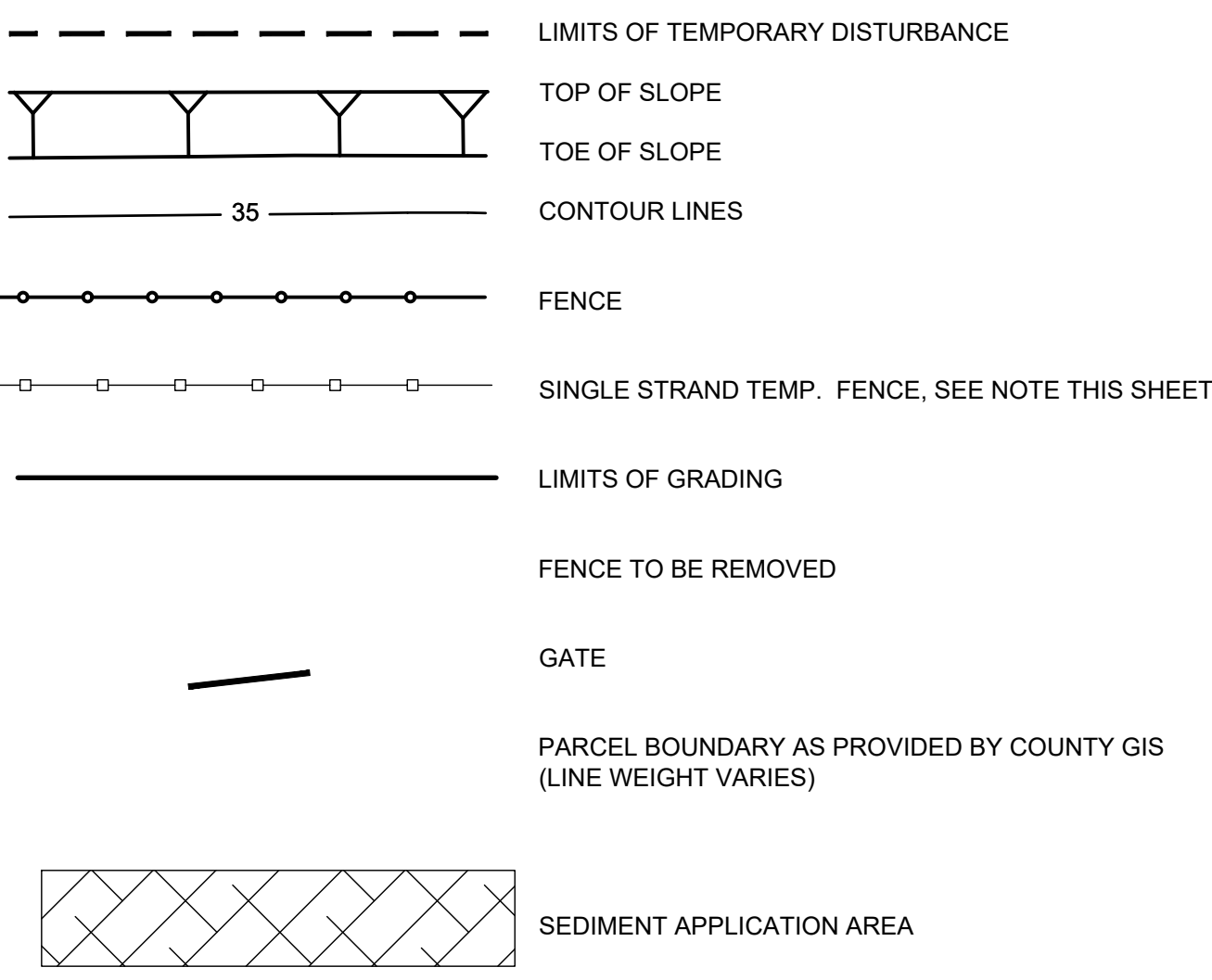


TOPOGRAPHIC:

EXISTING



TO BE CONSTRUCTED

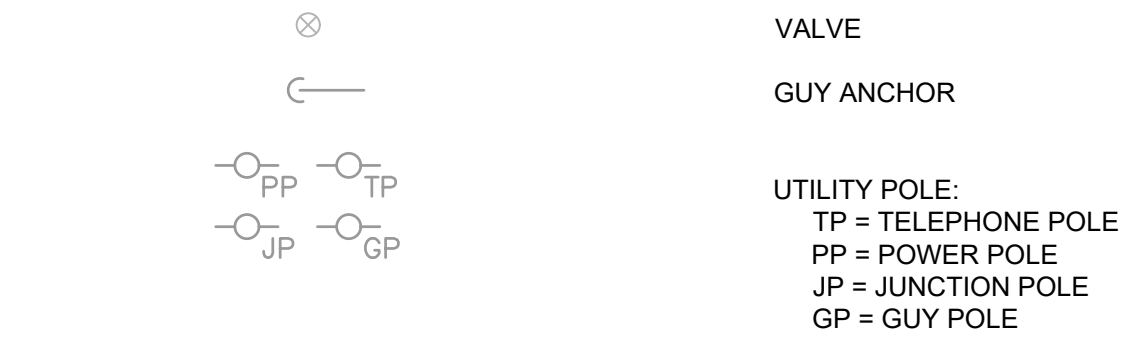


UTILITY LINES:

EXISTING



UTILITY SYMBOLS:



ABBREVIATIONS

A: AB AC AGG	AGGREGATE BASE ALCOVE CHANNEL AGGREGATE	N: (N) N NAVD NIC NO NTS	NEW NORTH NORTH AMERICAN VERTICAL DATUM NOT IN CONTRACT NUMBER NOT TO SCALE
B: B BFP	BERM BACKFLOW PREVENTER	O: O OC OPNG	OUTLET ON CENTER(S) OPENING
C: C CB CBC CHNL CL, C CLR CM CMP CONC CONT CONT'D COORD COR	CALIFORNIA ST SWALE CATCH BASIN CALIFORNIA BUILDING CODE CHANNEL CENTERLINE CLEAR CONSTRUCTION MANAGER CORRUGATED METAL PIPE CONCRETE CONTINUOUS CONTINUED COORDINATE CONTRACTING OFFICER'S REPRESENTATIVE CORNER CORRUGATED PLASTIC PIPE CUBIC CUBIC YARD	P: PCC PE PI PL, P PLCS PUC PP PT PVI	PORTLAND CONCRETE CEMENT POLYETHYLENE POINT OF INTERSECTION PROPERTY LINE PLACES POINT OF CONNECTION POWER POLE POINT OF TANGENT POINT OF VERTICAL INTERSECTION
D: DC DIA, ∅ DTL DI DI DWG	DIVERSION CHANNEL DIAMETER DETAIL DROP (DRAINAGE) INLET DUCTILE IRON DRAWING	R: R1 R2 R3 R4 R, RAD RC RCSD	RAMP 1 RAMP 2 RAMP 3 RAMP 4 RADIUS RELATIVE COMPACTION RIVERSIDE COMMUNITY SERVICE DISTRICT ROAD REQUIREMENT REINFORCEMENT ROCK SLOPE PROTECTION RIGHT RAIN WATER LEADER RIGHT OF WAY
E: E (E) EA EC EF EL, ELEV ENGR EP EQ ER EVC EW EX	EAST EXISTING EACH END CURVE EACH FACE ELEVATION ENGINEER EDGE PAVING EQUAL EDGE ROAD END VERTICAL CURVE EACH WAY EXAGGERATION	S: SMA S SCH, SCHED SD SHT SIM SS SSMH S STL STA STD STL SY	SEDIMENT MANAGEMENT AREA SWALE SCHEDULE STORM DRAIN SHEET SIMILAR SANITARY SEWER SANITARY SEWER MANHOLE STAINLESS STEEL STATION STANDARD STEEL SQUARE YARD
F: F FG FIN FL, F FS FT	FRANCIS CREEK FINISH GRADE FINISH FLOW LINE FINISH SURFACE FOOT OR FEET	T: T&B TEMP TYP	TOP & BOTTOM TEMPORARY TYPICAL
G: GALV GB GR GRD	GALVANIZED GRADE BREAK GRADE GROUND	U: U UNO US	UPPER ACCESS ROAD UNLESS NOTED OTHERWISE UPSTREAM
H: HCRCD HORZ	HUMBOLDT COUNTY RESOURCE CONSERVATION DISTRICT HORIZONTAL	V: VERT	VERTICAL
I: I IP INV INTX	INLET IRON PIPE INVERT INTERSECTION	W: W W W WM WV WWTP	WITH WIDE WIDTH WEST WATER MAIN WATER VALVE WASTEWATER TREATMENT PLANT
J: JCT	JUNCTION	X: XING	CROSSING
L: L LF LP LT LWD	LENGTH LINEAR FOOT LOW POINT LEFT LARGE WOOD OR LARGE WOODY DEBRIS	Y: YD	YARD
M: M MAX MIN MISC MUTCD	MAINTENANCE ROAD MAXIMUM MINIMUM MISCELLANEOUS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES		

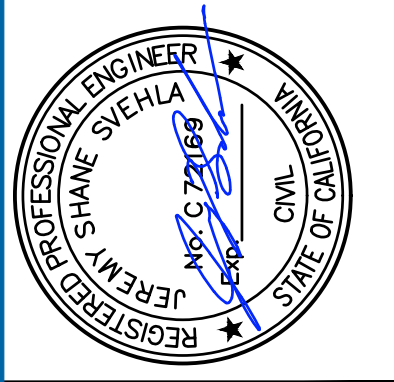
TOPOGRAPHIC SURVEY NOTES

- TOPOGRAPHIC DATA IS COMPILED BASED ON DATA PRODUCED BY TOWILL, INC. FOR THE U.S. ARMY CORP OF ENGINEERS IN 2005, CROSS SECTION DATA COMPLETED BY SPENCER ENGINEERING IN 2005, AND CROSS SECTION DATA COMPLETED BY LACO ASSOCIATES BETWEEN SEPTEMBER 2010 AND OCTOBER 2013.
- HORIZONTAL DATUM: NORTH AMERICAN DATUM 1983, CALIFORNIA ZONE 1, U.S. SURVEY FEET. VERTICAL DATUM NAVD 88.

UTILITY NOTES

- THE LOCATION FOR UTILITIES ON THESE PLANS IS APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY LOCATION, DEPTH AND HEIGHT. THEIR VERIFICATION SHALL BE COORDINATED BY THE CONTRACTOR WITH THE APPROPRIATE UTILITY COMPANY, FORTY EIGHT HOURS BEFORE BEGINNING IN ANY AREA. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT NORTH (USA), AT 811 OR 1-800-642-2444, TO DETERMINE LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL COOPERATE WITH UTILITY OWNERS TO EXPEDITE THE RELOCATION OR ADJUSTMENT OF THEIR UTILITIES TO MINIMIZE INTERRUPTION OF SERVICE AND DUPLICATION OF WORK. THE CONTRACTOR SHALL EXERCISE CARE WHEN WORKING NEAR EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR ALL DAMAGE, BREAKS, AND/OR LEAKS. IF DAMAGE OCCURS, THE CONTRACTOR SHALL REPAIR UTILITY AT NO ADDITIONAL EXPENSE TO THE HCRCD.
- LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE PLOTTED FROM RECORD INTERPOLATION OF PHYSICAL EVIDENCE ON THE SITE AND ARE SUBJECT TO FIELD VERIFICATION BY THE CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES, FEATURES, AND STRUCTURES LOCATED ON THE SITE. LOCATE, PROTECT, AND AVOID DISRUPTION OF ALL ABOVE AND BELOW GRADE UTILITIES DURING CONSTRUCTION.
- CONSTRUCTION ACTIVITY WILL TAKE PLACE IN THE VICINITY OF ELECTRIC LINES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE AWARE OF, AND OBSERVE, THE MINIMUM CLEARANCES FOR WORKERS AND EQUIPMENT OPERATING NEAR HIGH VOLTAGE ELECTRIC LINES AS SET OUT IN THE HIGH VOLTAGE SAFETY ORDERS OF THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY AS WELL AS OTHER APPLICABLE SAFETY REGULATIONS.

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MARK	DATE	DESCRIPTION	ISSUE

HUMBOLDT COUNTY RESOURCE CONSERVATION DISTRICT
SALT RIVER ECOSYSTEM RESTORATION PROJECT
LEGEND & ABBREVIATIONS

PROJ NO: 10653-8410410

DRWN: P. DUIN CHKD: JS

G-2

SHEET 2 OF 9

GENERAL NOTES

- PROJECT REQUIRES A CLASS A GENERAL ENGINEERING CONTRACTOR'S LICENSE IN THE STATE OF CALIFORNIA.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK AND REPORT ANY DISCREPANCIES TO THE CONSTRUCTION MANAGER. SHOULD EXISTING CONDITIONS DIFFER FROM THOSE SHOWN OR INDICATED, OR IF IT APPEARS THAT THESE PLANS DO NOT ADEQUATELY DETAIL THE WORK TO BE DONE, CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER PRIOR TO CONTINUING WITH ANY RELATED WORK. NO ALLOWANCE WILL BE MADE ON CONTRACTOR'S BEHALF FOR ANY EXTRA EXPENSE RESULTING FROM FAILURE OR NEGLIGENCE IN DETERMINING THE CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALE.
- QUANTITIES OF ITEMS, LENGTH OF PROJECT, AND SITE CONDITIONS SHOWN IN THE PLANS ARE APPROXIMATE. ALL MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
- CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE HCRCD, GHD, AND THEIR REPRESENTATIVES HARMLESS FROM ANY AND ALL LIABILITY, REAL AND/OR ALLEGED, IN CONJUNCTION WITH THE PERFORMANCE OF THIS PROJECT.
- CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING STRUCTURES, ROADS, AND UTILITIES DURING CONSTRUCTION. ALL DAMAGE SHALL BE RESTORED TO EQUAL OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
- A SET OF SIGNED CONTRACT DOCUMENTS (PLANS AND SPECIFICATIONS) WILL BE KEPT AT ALL TIMES AT THE JOB SITE ON WHICH ALL CHANGES OR VARIATIONS IN THE WORK ARE TO BE RECORDED AND/OR CORRECTED DAILY AND SUBMITTED TO THE OWNER WHEN THE WORK TO BE DONE IS COMPLETED.
- CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER AT LEAST 72 HOURS IN ADVANCE OF COMMENCEMENT OF ANY PART OF THE WORK AND SHALL COORDINATE CONSTRUCTION SCHEDULE ACCORDINGLY.
- THE DESIGN FEATURES SHOWN ON THESE DESIGN PLANS SHALL NOT BE ALTERED OR MODIFIED IN ANY WAY DURING CONSTRUCTION WITHOUT THE EXPRESSED, WRITTEN DIRECTION AND APPROVAL OF THE CONSTRUCTION MANAGER.
- ANY INFORMATION DERIVED FROM THE MAPS, PLANS, SPECIFICATIONS, PROFILES, DRAWINGS OR FROM THE ENGINEER WILL NOT RELIEVE THE CONTRACTOR FROM ANY RISK OR FROM FULFILLING THE TERMS OF THE CONTRACT.
- NO WORK SHALL BE PERFORMED OUTSIDE OF THE DESIGNATED AREAS WITHOUT THE APPROVAL OF THE CONSTRUCTION MANAGER.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ADDITIONAL STAGING AREAS WITH THE HCRCD BEYOND WHAT IS SHOWN ON THE PLANS.
- UPON COMPLETION OF THE CONSTRUCTION PROJECT, THE CONTRACTOR SHALL LEAVE THE PROJECT AREA FREE OF DEBRIS AND UNUSED MATERIAL. ALL DAMAGE CAUSED BY THE CONTRACTOR SHALL BE RESTORED TO AN "AS GOOD OR BETTER" CONDITION.
- THE CONTRACTOR SHALL PROTECT EXISTING SURVEY MONUMENTS WITHIN WORK LIMITS. ANY MONUMENT DAMAGED BY THE CONTRACTOR SHALL BE RESET IN ACCORDANCE WITH THE CALIFORNIA PROFESSIONAL LAND SURVEYORS ACT.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CONSTRUCTION MANAGER UPON DISCOVERING DISCREPANCIES, ERRORS OR OMISSIONS IN THE PLANS. PRIOR TO PROCEEDING, THE DISCREPANCY SHALL BE RESOLVED TO THE SATISFACTION OF THE CONSTRUCTION MANAGER.
- HOURS OF WORK: THE CONTRACTOR SHALL CONDUCT ALL WORK BETWEEN THE HOURS OF 7:00 A.M. AND 7:00 P.M., MONDAY THROUGH FRIDAY. A WORKING DAY IS DEFINED AS MONDAY THROUGH FRIDAY EXCLUDING WEEKENDS AND HOLIDAYS. WEEKEND AND HOLIDAY WORK WILL ONLY BE CONDUCTED AFTER PRIOR AUTHORIZATION FROM THE HCRCD. IF WEEKEND/HOLIDAY WORK IS AUTHORIZED, IT SHALL BE LIMITED TO 9:00 A.M. - 6 P.M. EQUIPMENT DELIVERY SHALL BE DURING HOURS OF WORK. FOR THE EXCEPTION OF SITE INGRESS/EGRESS, CONSTRUCTION ACTIVITIES WITHIN 200 FT OF RESIDENTIAL STRUCTURES SHALL BE LIMITED TO 8:30AM - 5:00PM.
- CONTRACTOR SHALL MAINTAIN DAILY COMMUNICATIONS WITH THE CONSTRUCTION MANAGER TO DISCUSS DETAILS OF IMPLEMENTATION, ORDER OF WORK, METHODS OF MINIMIZING ENVIRONMENTAL IMPACTS AND OTHER RELEVANT COMPONENTS OF CONSTRUCTION. CONTRACTOR AND HCRCD SHALL MEET DAILY ON-SITE TO DISCUSS PROJECT DETAILS.
- ANY MODIFICATIONS FROM PLANS NEED TO BE COMPLETED AND/OR APPROVED BY THE CONSTRUCTION MANAGER PRIOR TO IMPLEMENTATION.
- THE CONTRACTOR SHALL COMPLETELY REVIEW, BE FAMILIAR WITH, AND ADHERE TO THE TERMS OF ALL PERMITS AND AGENCY APPROVALS FOR THIS PROJECT. THE HCRCD WILL BE RESPONSIBLE FOR SECURING AND PROVIDING TO THE CONTRACTOR COPIES OF ALL PERMITS, CERTIFICATIONS, OR AUTHORIZATIONS UNLESS NOTED OTHERWISE, FROM THE FOLLOWING AGENCIES INCLUDING, BUT NOT LIMITED TO: COUNTY OF HUMBOLDT, U.S. ARMY CORPS OF ENGINEERS, THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD SECTION 401, THE U.S. FISH AND WILDLIFE SERVICE, THE NATIONAL MARINE FISHERIES SERVICE, CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE, AND THE CALIFORNIA COASTAL COMMISSION. COPIES OF ALL PERMITS WILL BE MADE AVAILABLE AND SHALL REMAIN ONSITE THROUGHOUT THE DURATION OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
- THE CONTRACTOR IS RESPONSIBLE TO OBTAIN A COUNTY OF HUMBOLDT ENCROACHMENT PERMIT.
- PROJECT PERMITS SHALL REMAIN ON SITE AT ALL TIMES.
- NO SHUTDOWN OF THE PROJECT SITE IS ANTICIPATED. HOWEVER, UNFORESEEABLE CONDITIONS INCLUDING BUT NOT LIMITED TO FIRE, GEO-HAZARD CONDITIONS, OR RAINS COULD REQUIRE THE CONSTRUCTION MANAGER TO SUSPEND CONSTRUCTION ACTIVITIES AT ALL OR PART OF THE SITE FOR SAFETY REASONS AT NO COST TO THE HCRCD OR THEIR REPRESENTATIVES.
- THE PROJECT COMPONENTS PRESENTED ON THESE PLANS HAVE BEEN DESIGNED FOLLOWING AN INDUSTRY STANDARD OF CARE AND ALSO MEET THE OBJECTIVES IDENTIFIED IN THE SALT RIVER ECOSYSTEM RESTORATION PROJECT EIR AND APPLICABLE REGULATORY AGENCY DOCUMENTS.

SITE ACCESS AND STAGING NOTES

- THE CONTRACTOR SHALL UTILIZE THE EXISTING ROCK CONSTRUCTION ENTRANCES AS SHOWN ON THE PLANS. THE NEW CONSTRUCTION ENTRANCE INSTALLED SHALL NOT IMPEDE DRAINAGE AND THE CONTRACTOR SHALL REPAIR/MAINTAIN AS NEEDED. THE CONSTRUCTION ENTRANCES SHALL BE LEFT IN PLACE AFTER THE COMPLETION OF CONSTRUCTION UNLESS OTHERWISE NOTED.
- LIVESTOCK AND GATE CONTROL: CONTRACTOR SHALL KEEP GATES CLOSED AND FOLLOW ALL LANDOWNER'S INSTRUCTIONS ON GATE CLOSURE. CONTRACTOR LIABLE FOR ALL DAMAGES RESULTING FROM ANY AND ALL IMPROPER GATE CLOSURES.
- ALL EQUIPMENT AND PERSONNEL SHALL ACCESS THE CORRIDOR VIA THE CONSTRUCTION ENTRANCES AND ACCESS ROUTES SHOWN ON THE PLANS.
- THE PROJECT SITE IS SURROUNDED BY WORKING DAIRIES CONTAINING FREE-ROAM COWS AND BULLS. ALL GATES, IF PRESENT, SHOULD BE CLOSED UPON ENTERING AND EXITING ANY PART OF THE SITE, REGARDLESS OF CONDITION UPON ARRIVAL, UNLESS OTHERWISE DIRECTED BY THE CONSTRUCTION MANAGER.
- IF NEEDED, THE CONTRACTOR MAY TEMPORARILY STOCKPILE SOIL AND VEGETATION DEBRIS WITHIN LIMITS OF DISTURBANCE, OR STAGING AREAS AS APPROVED BY CONSTRUCTION MANAGER, AND MUST BE HAULED OFF-SITE OR DESIGNATED AREA UPON COMPLETION OF WORK, AND AS STIPULATED IN PROJECT PERMITS.
- CONTRACTOR SHALL BE AWARE THE PROJECT IS LOCATED ON PRIVATE LANDS AND COUNTY RIGHT-OF-WAY AND THEREFORE ALL ACTIVITIES SHALL REMAIN WITHIN LIMITS SHOWN ON PLANS AND ALL ADVANCEMENT WITHIN THE LIMITS SHALL BE PRE-AUTHORIZED BY THE CONSTRUCTION MANAGER.
- CONSTRUCTION ACCESS ROUTES AND EQUIPMENT STAGING AREAS SHALL BE LIMITED WITHIN THE PROJECT DISTURBANCE AREA TO THE EXTENT FEASIBLE AND AS SHOWN ON THE PLANS. CONSTRUCTION ACTIVITIES SHALL BE PROHIBITED FROM UNNECESSARILY DISTURBING AQUATIC HABITAT AND WETLANDS. DISTURBANCE SUCH AS EXCAVATION, FILLING OR DEWATERING OF ANY EXISTING DITCHES, CHANNELS AND OTHER PONDED WATER AREAS SHALL OCCUR AFTER THE AREA HAS BEEN SEINED AND CLEARED BY A QUALIFIED BIOLOGIST. THE CONTRACTOR SHALL COOPERATE WITH THE BIOLOGIST IN THE COLLECTION AND RELOCATION EFFORTS.
- THE CONTRACTOR SHALL RESTORE TEMPORARY HAUL ROADS AT THE CONCLUSION OF USE THROUGH BLADING, RIPPING OR OTHERWISE REMOVING RUTS, DE-COMPACTING AND NATURALIZING TO PRE-CONSTRUCTION CONDITIONS. THE CONSTRUCTION MANAGER/MONITOR RESERVE THE RIGHT TO REQUIRE THE CONTRACTOR TO REPAIR DAMAGE WHERE HAUL ROADS WERE CONSTRUCTED.
- EXISTING STANDS OF RIPARIAN VEGETATION ADJOINING THE LIMITS OF DISTURBANCE HAVE BEEN DESIGNATED ON THE PLANS AND SHALL REMAIN AND BE PROTECTED DURING CONSTRUCTION.

GRADING NOTES

- PERFORM GRADING IN ACCORDANCE WITH THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE AND APPLICABLE HUMBOLDT COUNTY REGULATIONS.
- THE CONTRACTOR SHALL BE AWARE OF THE SOFT AND SATURATED SOIL CONDITION THAT MAY BE ENCOUNTERED DURING THE CONSTRUCTION.
- IN THE EVENT CULTURAL RESOURCES (I.E., HISTORICAL, ARCHAEOLOGICAL, AND PALEONTOLOGICAL RESOURCES, AND HUMAN REMAINS) ARE DISCOVERED DURING CONSTRUCTION ACTIVITIES, WORK SHALL BE HALTED. A QUALIFIED ARCHEOLOGIST SHALL BE CONSULTED FOR AN ON-SITE EVALUATION. IF HUMAN BURIALS OR HUMAN REMAINS ARE ENCOUNTERED, THE CONTRACTOR SHALL ALSO NOTIFY THE COUNTY CORONER.
- SHOULD GRADING OPERATIONS ENCOUNTER HAZARDOUS MATERIALS, OR WHAT APPEAR TO BE HAZARDOUS MATERIALS, STOP WORK IN THE AFFECTED AREA IMMEDIATELY AND CONTACT THE CONSTRUCTION MANAGER OR THE APPROPRIATE AGENCY FOR FURTHER INSTRUCTION.
- ALL CONSTRUCTION SITES AND HAUL ROADS SHALL BE MAINTAINED, AS NECESSARY, TO MINIMIZE THE EMISSION OF DUST AND PREVENT CREATION OF NUISANCE TO ADJACENT PROPERTIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL CONSTRUCTION. ADEQUATE SHORING, BRACING, TIES, AND SUPPORTS SHALL BE USED TO PROVIDE PROPER TEMPORARY INTEGRITY DURING ALL PHASES OF CONSTRUCTION.
- ALL EXISTING PASTURE AND STAGING/STOCKPILE AREAS WHICH ARE DISTURBED BY CONSTRUCTION OR EARTHWORK OPERATIONS SHALL BE RETURNED TO ORIGINAL EXISTING CONDITIONS OR BETTER.
- ALL DITCHES, SWALES, CULVERTS, ETC. SHOULD BE CONSIDERED ACTIVE STORM CONVEYANCES UNLESS OTHERWISE INDICATED. CONTRACTOR IS RESPONSIBLE FOR ADDRESSING STORM WATER DRAINAGE AND DEWATERING OF WORK AREAS DURING CONSTRUCTION.
- DURING WET WEATHER PERIODS, CONTRACTOR IS RESPONSIBLE FOR SEQUENCING CONSTRUCTION IN A MANNER TO MINIMIZE IMPACT ON OPEN EARTHWORK AND COMPACTION OPERATIONS.
- THE HCRCD'S REPRESENTATIVE WILL PROVIDE GRADING INSPECTION PER HUMBOLDT COUNTY CODE SECTION 331-14 H.5 AND UPON COMPLETION OF WORK THE HCRCD WILL PROVIDE REPORT PER HUMBOLDT COUNTY CODE SECTION 331-14 I.1.

SEDIMENT APPLICATION NOTES

- GENERAL SEDIMENT APPLICATION:
 - THE HCRCD WILL FLAG THE SEDIMENT APPLICATION AREA LIMITS.
 - WITHIN THE SEDIMENT APPLICATION AREA SHOWN, CONTRACTOR SHALL PLACE SEDIMENT IN LINEAR WINDROWS. WINDROWS SHALL BE SPACED TO PROVIDE AN EQUIVALENT DEPTH OF 12" OVER ENTIRE APPLICATION AREA.
 - ONCE WINDROWS ARE PLACED AND ACCEPTED, CONTRACTOR SHALL DEMOBILIZE FROM THE SITE. PROPERTY OWNER WILL TAKE RESPONSIBILITY AFTER ACCEPTANCE FOR SPREADING WINDROWS TO THE EQUIVALENT DEPTH.
- INGRESS/EGRESS:
 - ALL EXISTING ROADS/CATTLE LANES LOCATED ON PRIVATE PROPERTY USED BY THE CONTRACTOR SHALL BE MAINTAINED DURING CONSTRUCTION AND RESTORED BACK TO PRE-PROJECT CONDITIONS OR BETTER UPON COMPLETION OF HAULING AND AS DIRECTED BY THE CONSTRUCTION MANAGER.
- EXISTING PRIVATE PROPERTY FACILITIES:
 - THE PLANS DO NOT NECESSARILY SHOW ALL THE EXISTING FACILITIES TO BE AVOIDED AND THEREFORE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY. THE HCRCD WILL ASSIST THE CONTRACTOR WITH MARKING THE FACILITIES ON SITE TO HELP AVOID DAMAGING FACILITIES SUCH AS BURIED IRRIGATION LINE.
 - CONTRACTOR SHALL AVOID DISTURBING EXISTING FENCES, IRRIGATION LINES, POWER POLES, WELLS AND ALL OTHER FACILITIES ON THE PRIVATE PROPERTY. ANY DAMAGE CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE PROPERTY OWNER/PROJECT.
 - CONTRACTOR SHALL PLACE STEEL PLATES OVER BURIED IRRIGATION LINES TO HELP PREVENT DAMAGE WHERE TRUCK TRAFFIC IS ANTICIPATED.
- GENERAL:
 - SEDIMENT APPLICATION AREAS ARE LOCATED ON PRIVATE PROPERTY. HCRCD HAS ENTERED INTO AGREEMENTS WITH THE PRIVATE PROPERTY OWNERS TO ALLOW THE CONTRACTOR TO UTILIZE THE PROPERTY IN ACCORDANCE TO THE PLANS AND SPECIFICATIONS.
 - PRIOR TO CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL PARTICIPATE IN A SITE WALK WITH THE PRIVATE PROPERTY OWNER, HCRCD STAFF AND CONSTRUCTION MANAGER TO REVIEW THIS PLAN AND DISCUSS AVOIDANCE MEASURES OF THE EXISTING FACILITIES.
 - CONTRACTOR'S USE OF THE PRIVATE PROPERTY SHALL BE LIMITED TO THE APPLICATION AREAS AND HAUL ROUTES ONLY, AND SUBJECT TO AUTHORIZATION BY THE CONSTRUCTION MANAGER.
 - CONTRACTOR IS RESPONSIBLE FOR PREVENTING VISIBLE AIRBORNE DUST AS PART OF THEIR ACTIVITIES AND SHALL FREQUENTLY WATER SURFACES, INCLUDING BUT NOT LIMITED TO COUNTY GRAVEL ROADS WHEN USED FOR HAULING, APPLICATION AREA ACCESS ROUTES AND OTHER AREAS DISTURBED BY CONTRACTOR'S ACTIVITIES UNTIL CONTRACTOR'S WORK ON SITE IS COMPLETED AND ACCEPTED.
 - THE EROSION/SEDIMENT CONTROL BMPS SHOWN ON THE PLANS ARE CONSIDERED THE MINIMUM AND THE CONTRACTOR SHALL SUPPLEMENT AS NEEDED TO PROTECT WATER QUALITY AND DISCHARGE OF SEDIMENT LADEN WATER OFFSITE AS PART OF THEIR ACTIVITIES ACCORDING TO PROJECT PERMITS AND AS DIRECTED BY THE CONSTRUCTION MANAGER.

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DATE

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DESCRIPTION

ISSUE

HUMBOLDT COUNTY RESOURCE CONSERVATION DISTRICT

SALT RIVER ECOSYSTEM RESTORATION PROJECT

GENERAL NOTES & TABLES

PROJ NO: 10653-8410410
DRWN: P. DUIN
CHKD: JS

SHEET 3
OF
9



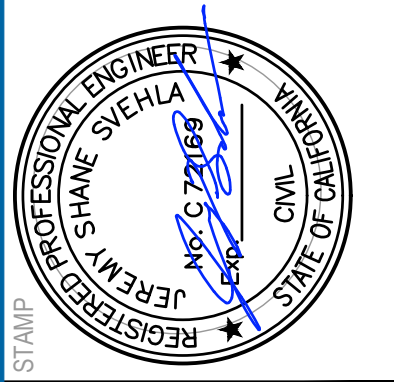
LIST OF PARCELS BIASECTED BY CONSTRUCTION ACTIVITIES PER COUNTY GIS DATA

NOTE	APN #	PROPERTY OWNER
1	100-161-007	ALBIN, ANDREW J. AND SARAH E.
2	100-101-004	TOSTE GEORGE & TINA TR
3	106-011-001	ALEXANDRE RANCHES LLC

LEGEND

- COUNTY PARCEL BOUNDARIES
- APPLICATION AREA

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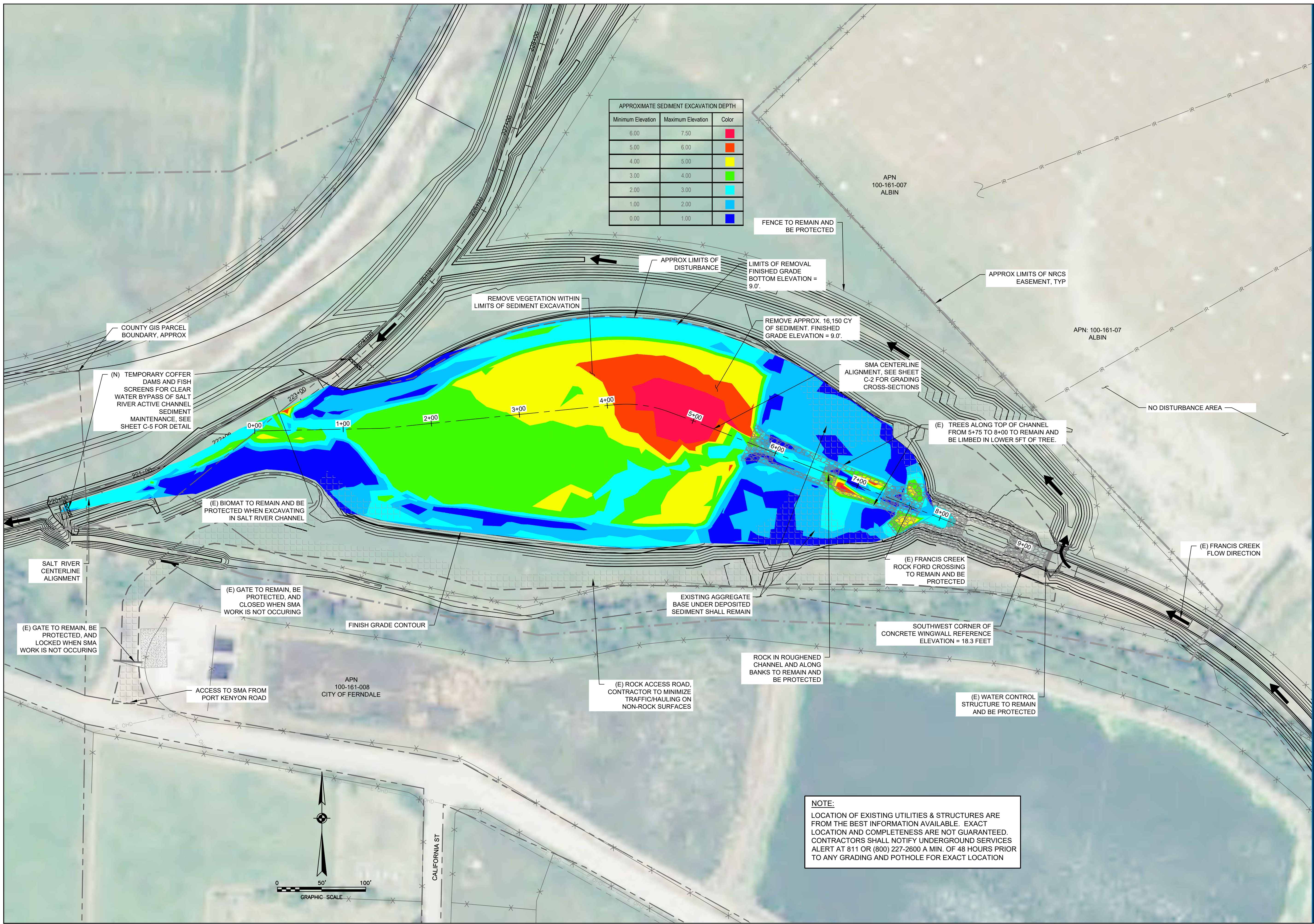
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HUMBOLDT COUNTY RESOURCE CONSERVATION DISTRICT
SALT RIVER ECOSYSTEM RESTORATION PROJECT
SITE PLAN & PARCEL INFORMATION

PROJ NO: 10653-8410410
DRWN: P. DUIN CHKD: JS

G-4

APPROXIMATE SEDIMENT EXCAVATION DEPTH		
Minimum Elevation	Maximum Elevation	Color
6.00	7.50	Red
5.00	6.00	Orange
4.00	5.00	Yellow
3.00	4.00	Light Green
2.00	3.00	Green
1.00	2.00	Light Blue
0.00	1.00	Dark Blue



NOTE:
 LOCATION OF EXISTING UTILITIES & STRUCTURES ARE FROM THE BEST INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTORS SHALL NOTIFY UNDERGROUND SERVICES ALERT AT 811 OR (800) 227-2600 A MIN. OF 48 HOURS PRIOR TO ANY GRADING AND POT HOLE FOR EXACT LOCATION

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MARK	DATE	DESCRIPTION	ISSUE

HUMBOLDT COUNTY RESOURCE CONSERVATION DISTRICT

SALT RIVER ECOSYSTEM RESTORATION PROJECT

SEDIMENT AND VEGETATION REMOVAL PLAN

PROJ NO: 10653-8410410

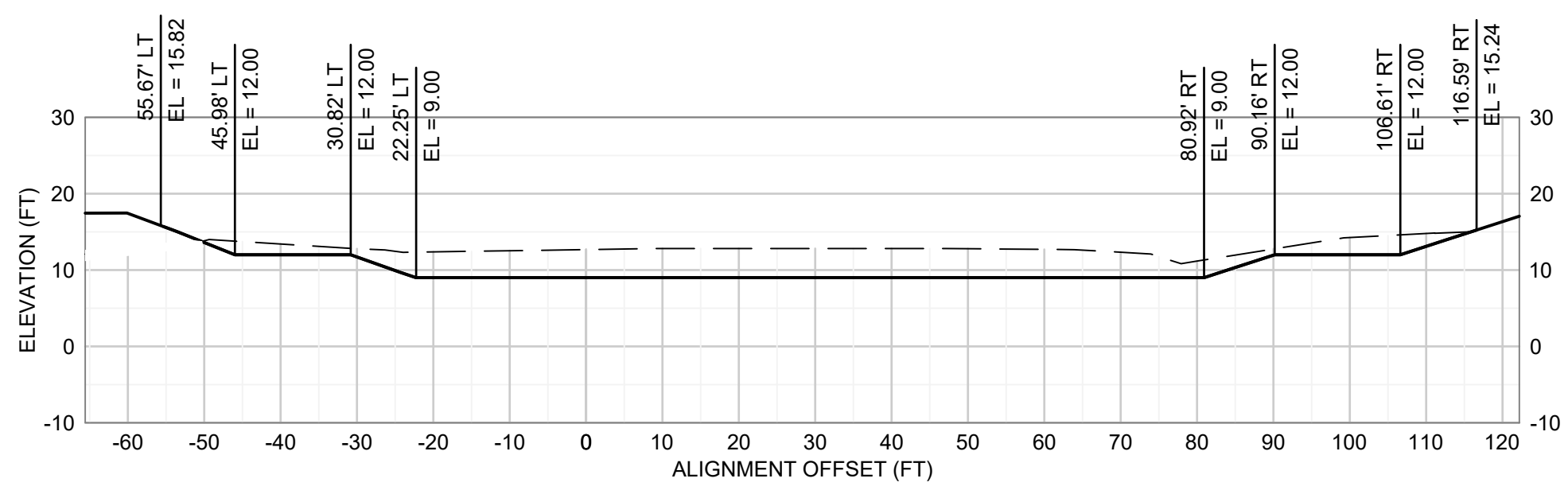
DRWN: P. DUIN CHKD: JS

C-1

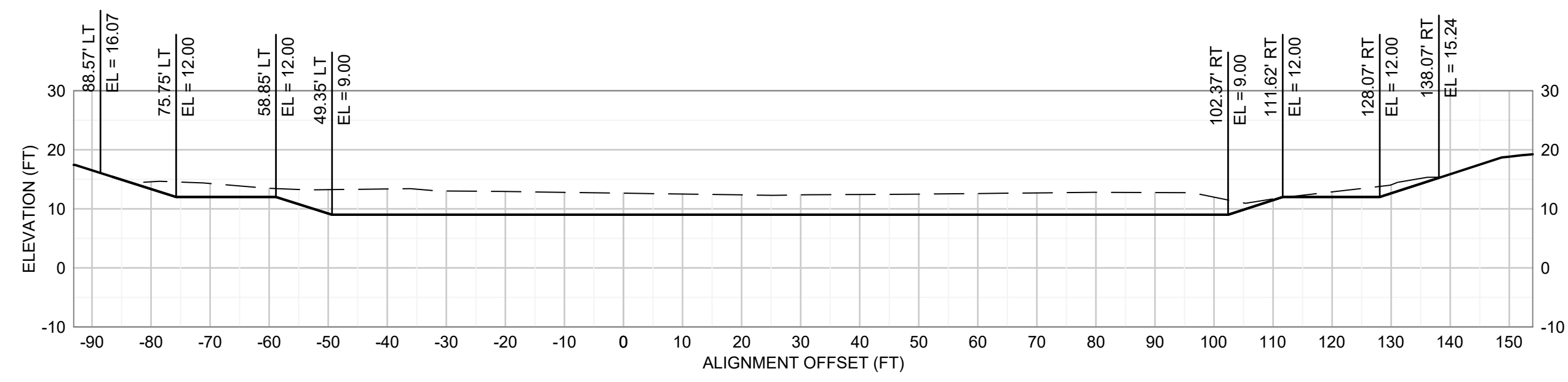
SHEET 5

OF

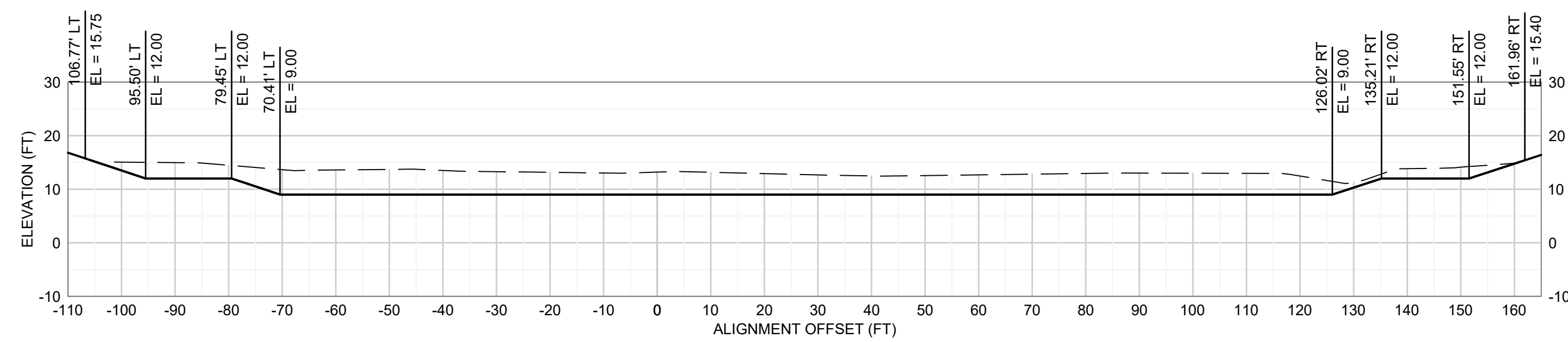
9



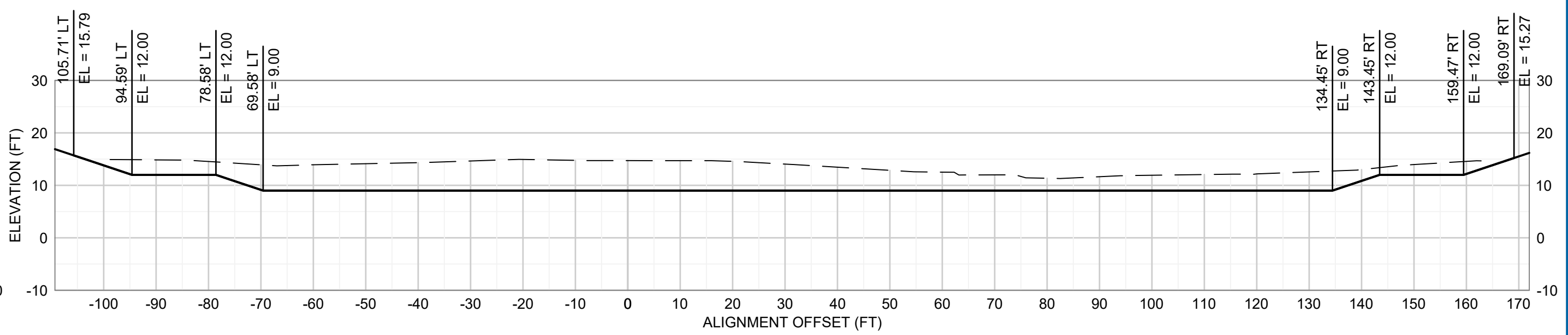
FRANCIS CREEK SMA STATION 1+60



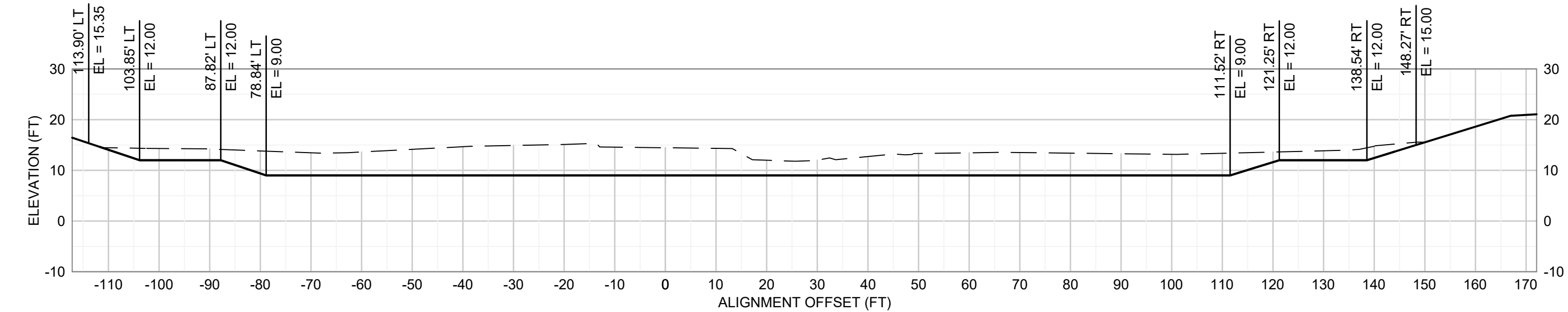
FRANCIS CREEK SMA STATION 2+50



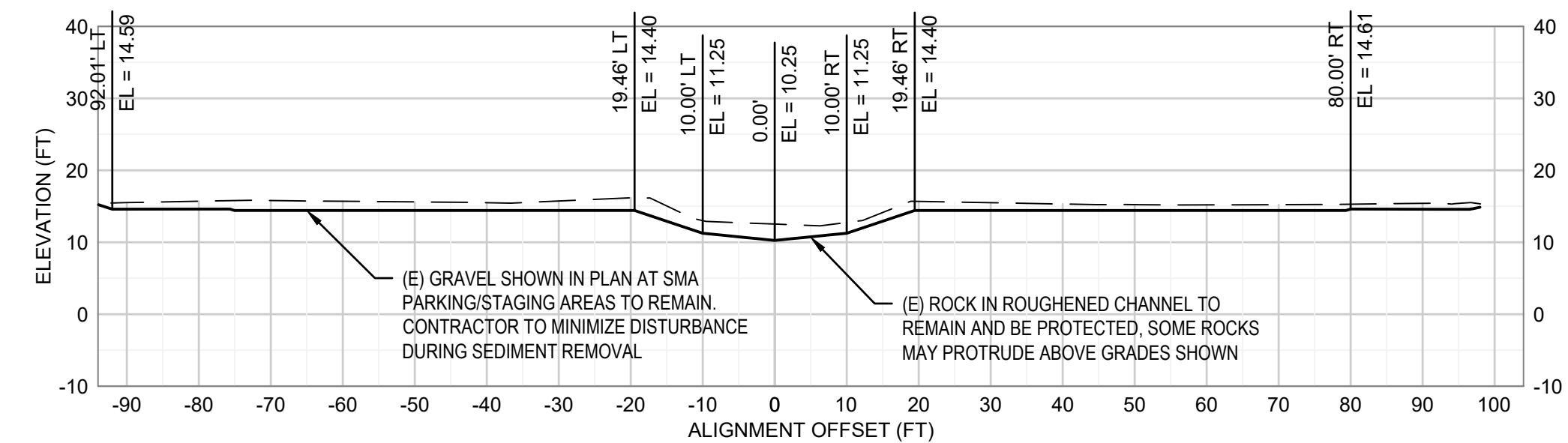
FRANCIS CREEK SMA STATION 3+50



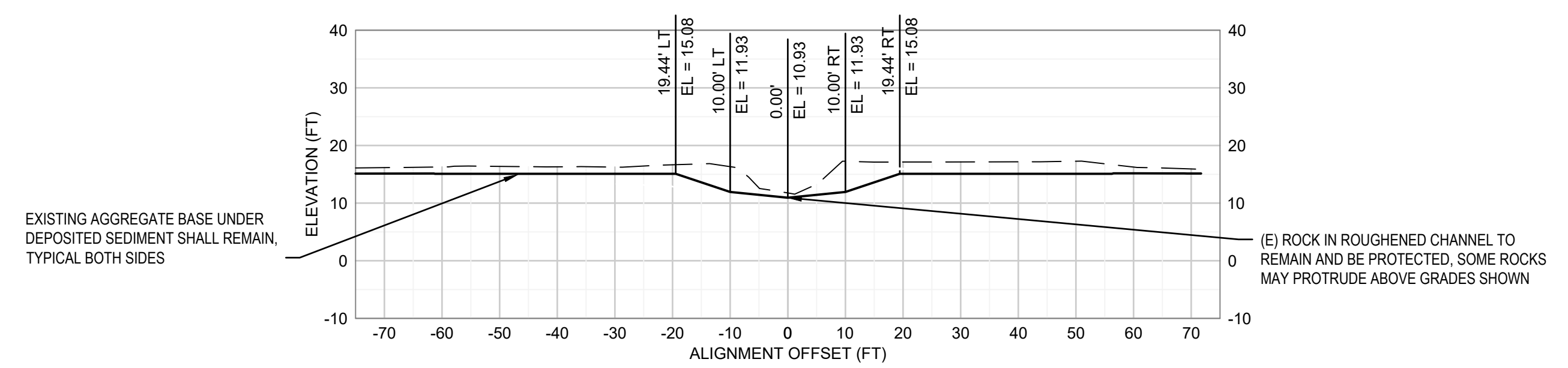
FRANCIS CREEK SMA STATION 4+25



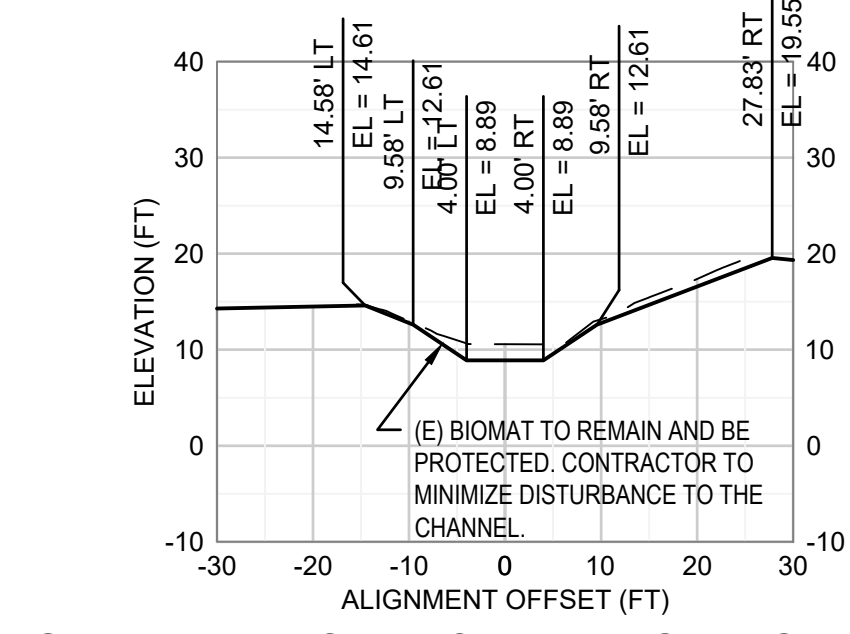
FRANCIS CREEK SMA STATION 5+30



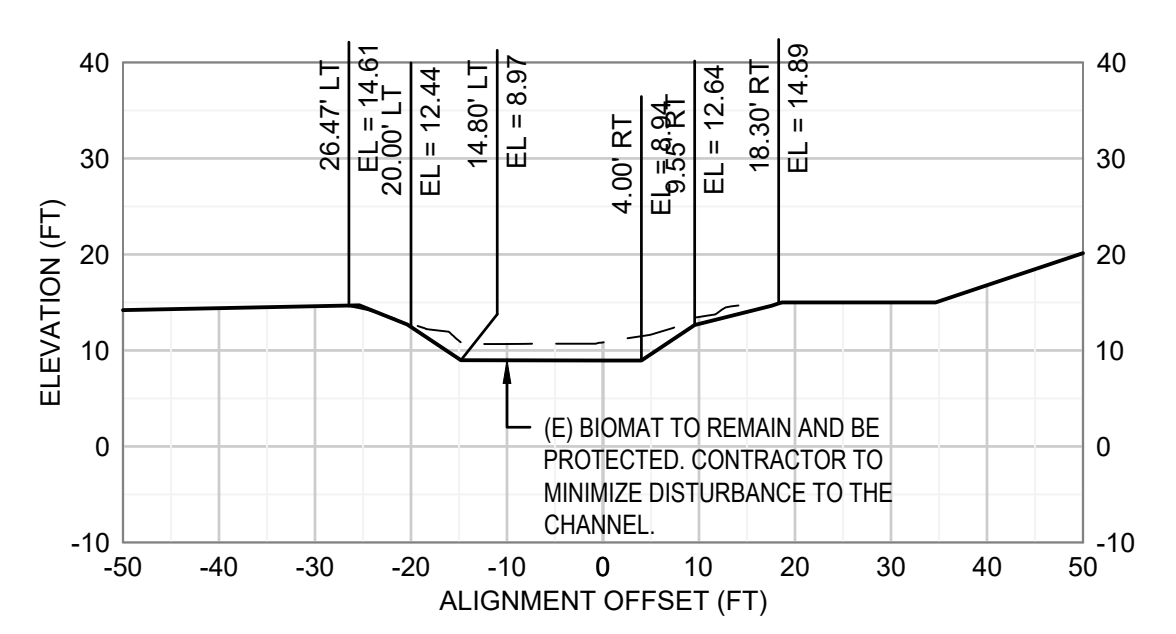
FRANCIS CREEK SMA STATION 6+32.98



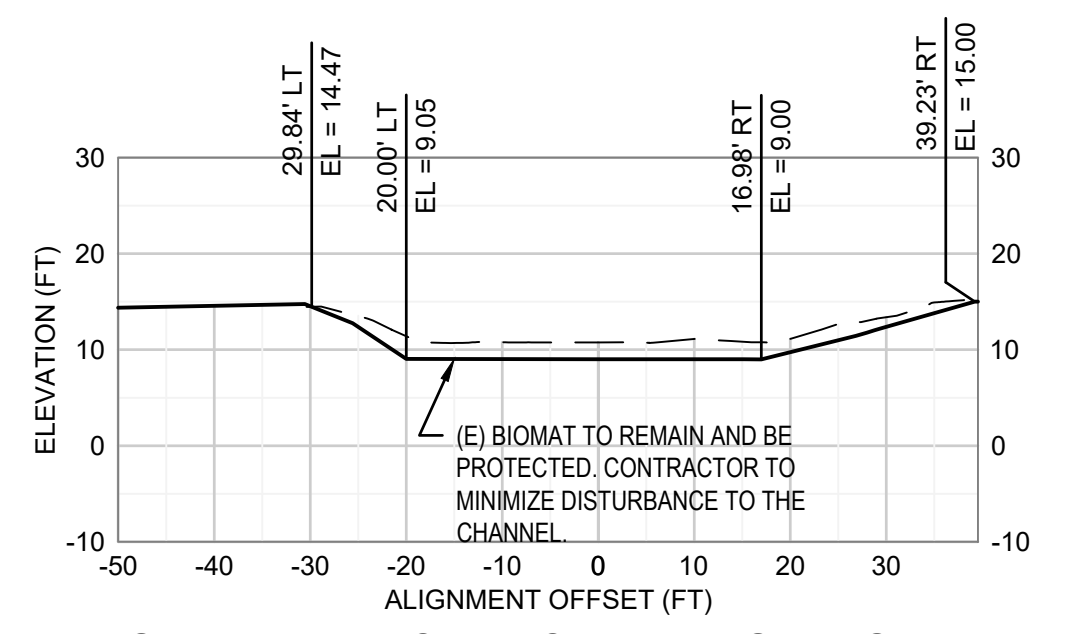
FRANCIS CREEK SMA STATION 7+00



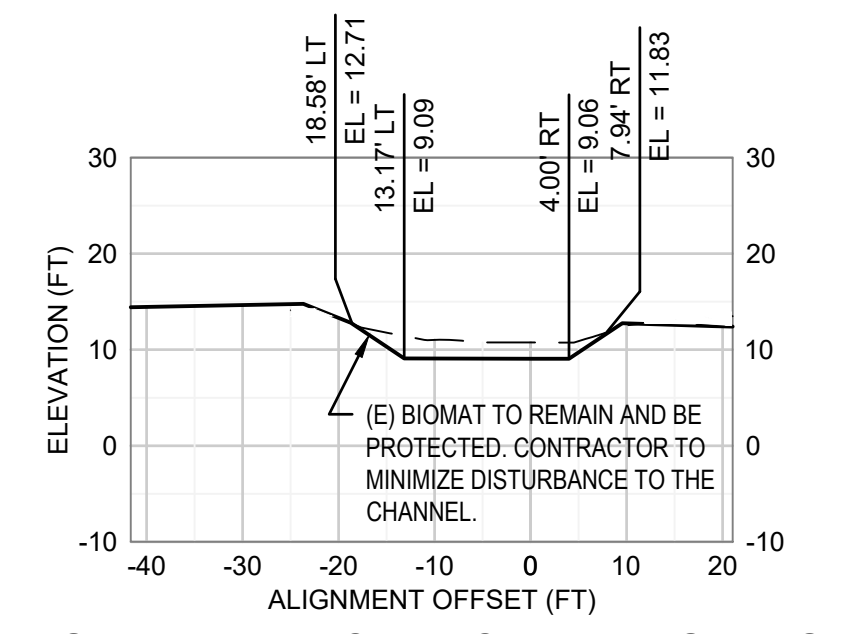
SALT RIVER ACTIVE CHANNEL STATION 220+50



SALT RIVER ACTIVE CHANNEL STATION 221+55



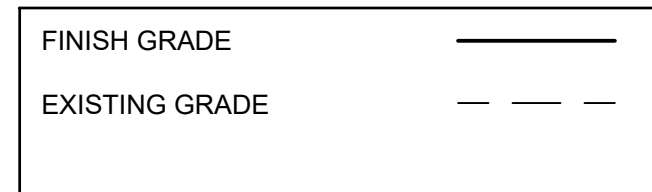
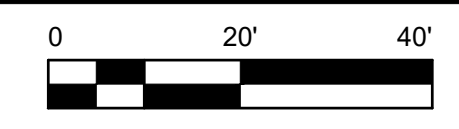
SALT RIVER ACTIVE CHANNEL STATION 222+50



SALT RIVER ACTIVE CHANNEL STATION 223+10

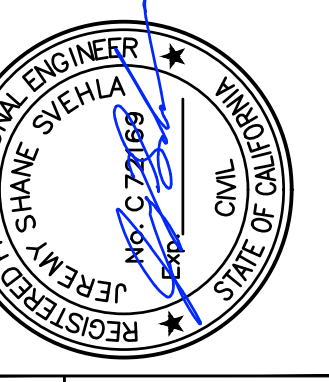
NOTE: SEDIMENT REMOVAL FROM THE FRANCIS CREEK SMA ROUGHENED CHANNEL (APPROX STATIONS 5+60 - 8+00) TO BE DONE IN A MANNER THAT PROTECTS THE EXISTING CHANNEL ROCK. THE FINISHED GRADES SHOWN ON THE ABOVE SECTIONS WITHIN THIS STATION LIMITS DO NOT CORRESPOND TO THE UPPER ELEVATION OF THE ROCK.

SCALE: NO VERTICAL EX



NOTE: MATCH FINISHED GRADES TO EXISTING GROUND, TYP ALL SIDES

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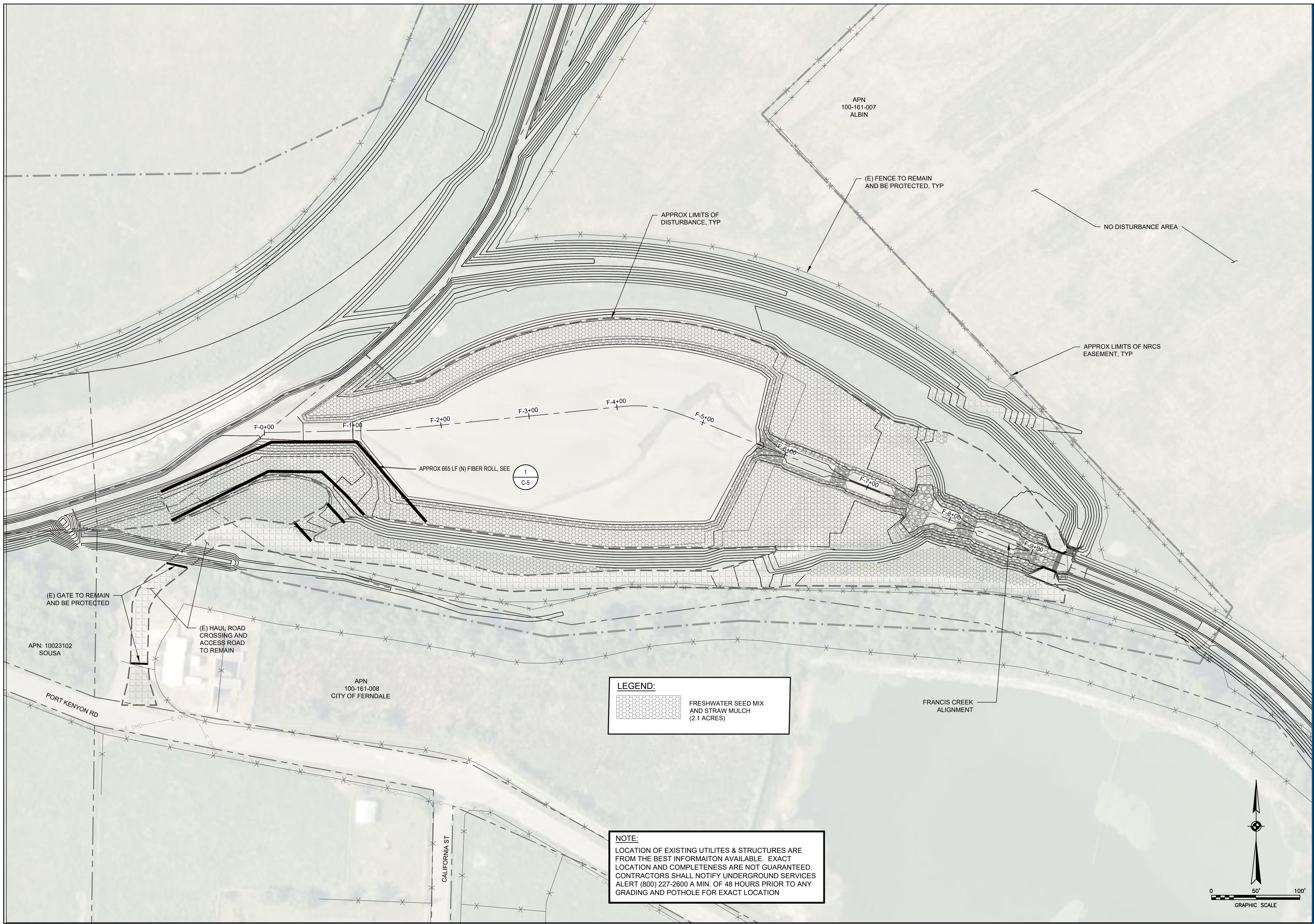
HUMBOLDT COUNTY RESOURCE CONSERVATION DISTRICT
SALT RIVER ECOSYSTEM RESTORATION PROJECT
SALT RIVER AND SMA GRADING CROSS SECTIONS

PROJ NO: 10653-8410410

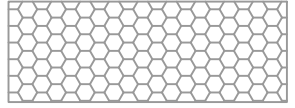
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C-2

SHEET 6 OF 9



LEGEND:

 FRESHWATER SEED MIX AND STRAW MULCH (2.1 ACRES)

NOTE:

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Plot Date: 1 August 2023 - 6:03 PM

Plotted By: Pete Duin

Cad File No: \\ghdnet\ghd\US\Eureka\Projects\Legacy\Projects\10653 HumCoResourceConservationDist\8410410 Salt River Final Design\06-CADISheets\1065310003_K1_SedMngPlanSheets_SMA2022.dwg

PROJ NO: 10653-8410410

DRWN: P. DUIN CHKD: JS

SHEET 7 OF 9

HUMBOLDT COUNTY RESOURCE CONSERVATION DISTRICT

SALT RIVER ECOSYSTEM RESTORATION PROJECT

EROSION CONTROL & SEED APPLICATION PLAN

C-3

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REGISTERED PROFESSIONAL ENGINEER

JEREMY SHANE STEHLA

NO. C 27068

CIVIL

STATE OF CALIFORNIA

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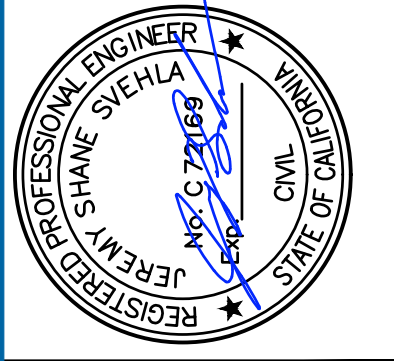
W www.ghd.com

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN LABEL	SIGN CODE	PANEL SIZE	SIGN MESSAGE	NUMBER & POST SIZE	NO. OF SIGNS	PLACEMENT
A	C44	36"x36"	TRUCKS ENTERING EXITING SEE DETAIL 4 ON SHEET C-5	(1) 4"x4"	10	100 FT FROM ENTRANCE/INTERSECTION

EXCAVATED SEDIMENT DELIVERY TO AGRICULTURAL APPLICATION AREAS

APPLICATION AREA	LAND OWNER NAME	DELIVERY SEQUENCING	APPROX DELIVERY VOLUME (CY)
1	ALBIN ANDREW	1	1,481
2	TOSTE GEORGE	2	1,278
3	ALEXANDRE RANCHES LLC	3	REMAINDER (13,392)
TOTAL			16,150



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 0 1"
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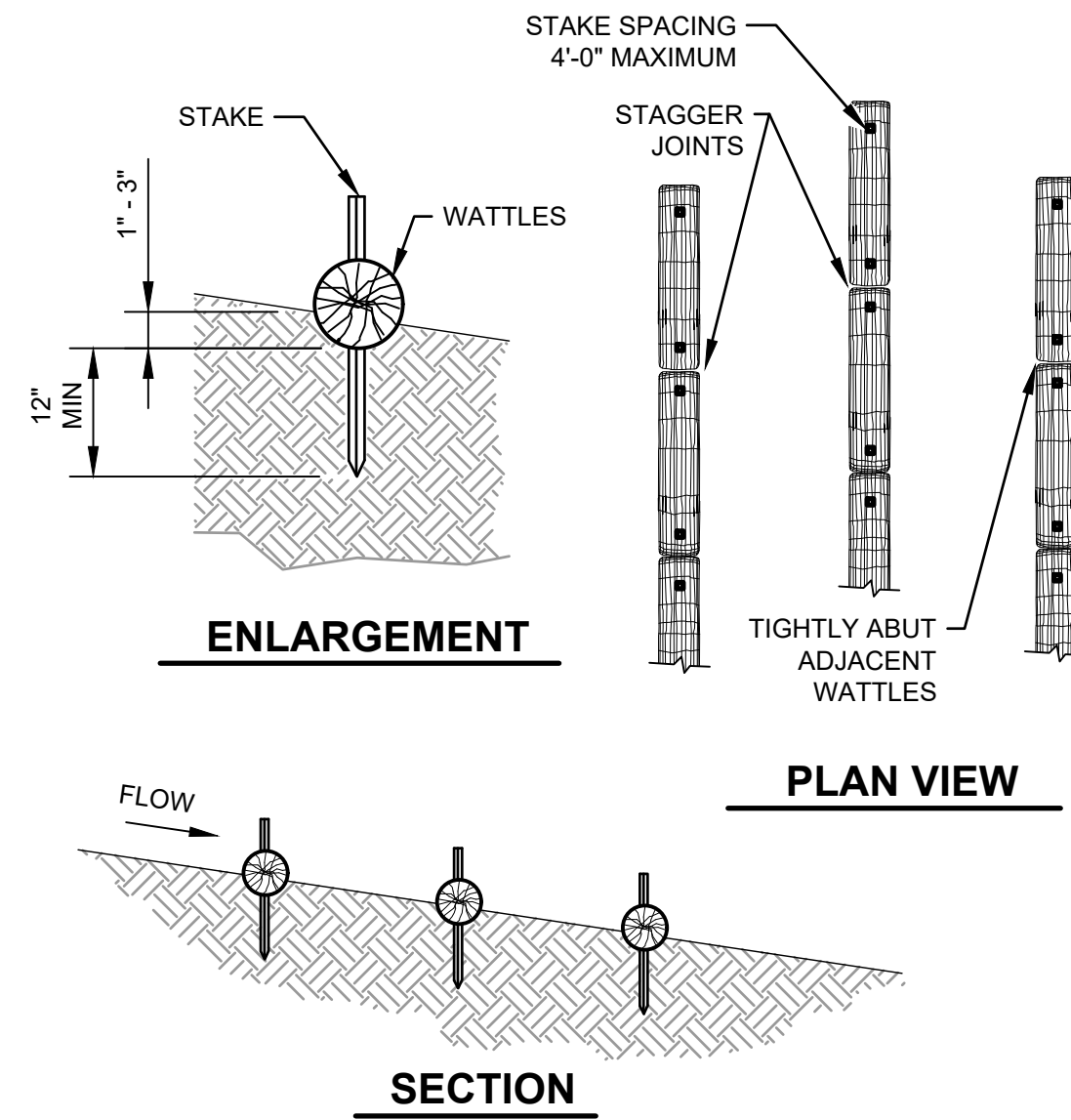
HUMBOLDT COUNTY RESOURCE CONSERVATION DISTRICT
 SALT RIVER ECOSYSTEM RESTORATION PROJECT
HAUL AND APPLICATION PLAN

PROJ NO: 10653-8410410
 DRWN: P. DUIN CHKD: JS

C4
 SHEET 8 OF 9

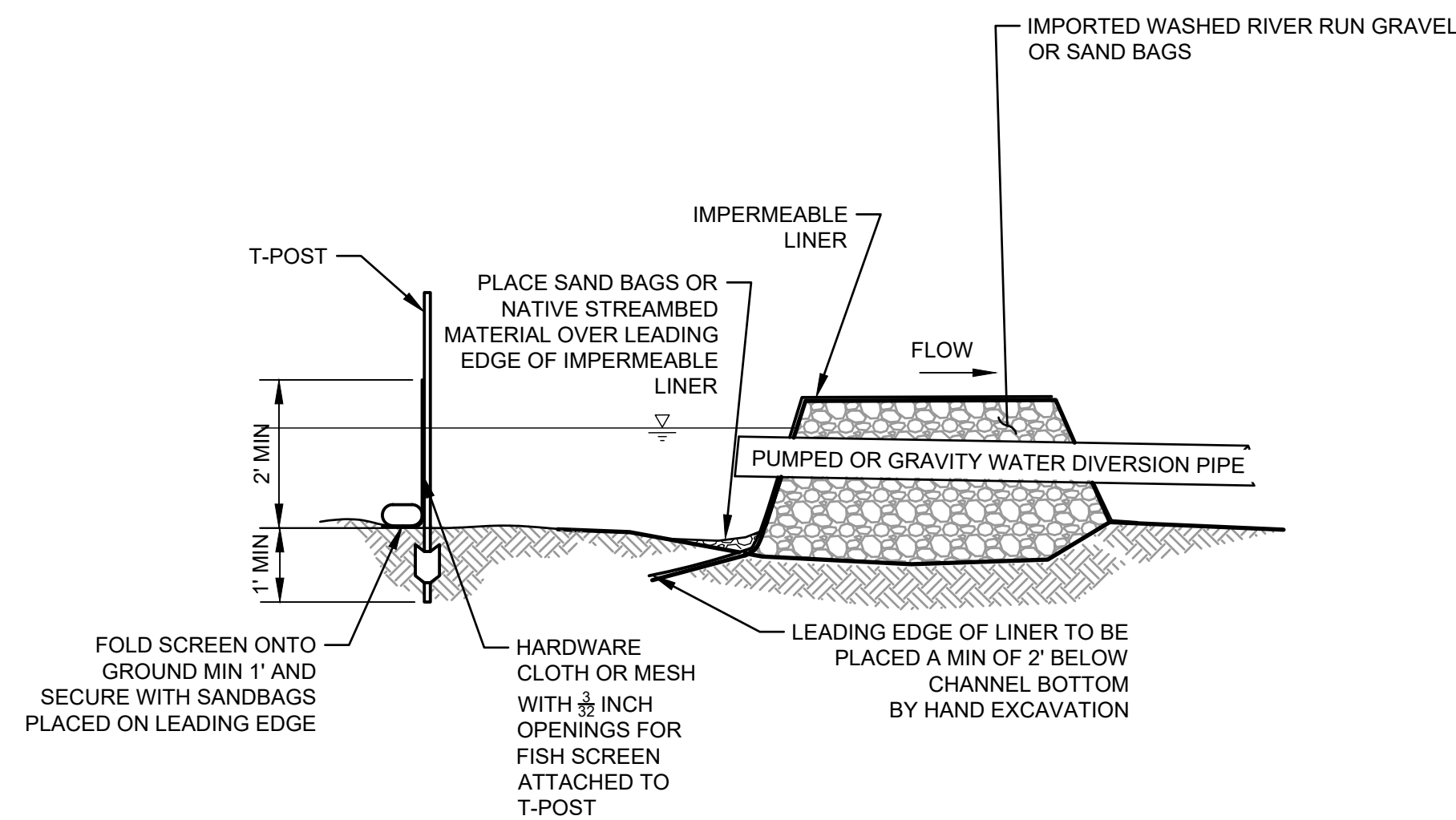
LEGEND AND NOTES

- PROJECT LIMITS OF DISTURBANCE ASSOCIATED WITH SMA EXCAVATION
- NUMBER
- APPLICATION AREA SEE NOTES ON SHEET G-3
- ALLOWABLE COUNTY AND STATE ROADS USED FOR SEDIMENT HAULING
- ALLOWABLE PRIVATE FACILITY ROADS FOR SEDIMENT HAULING



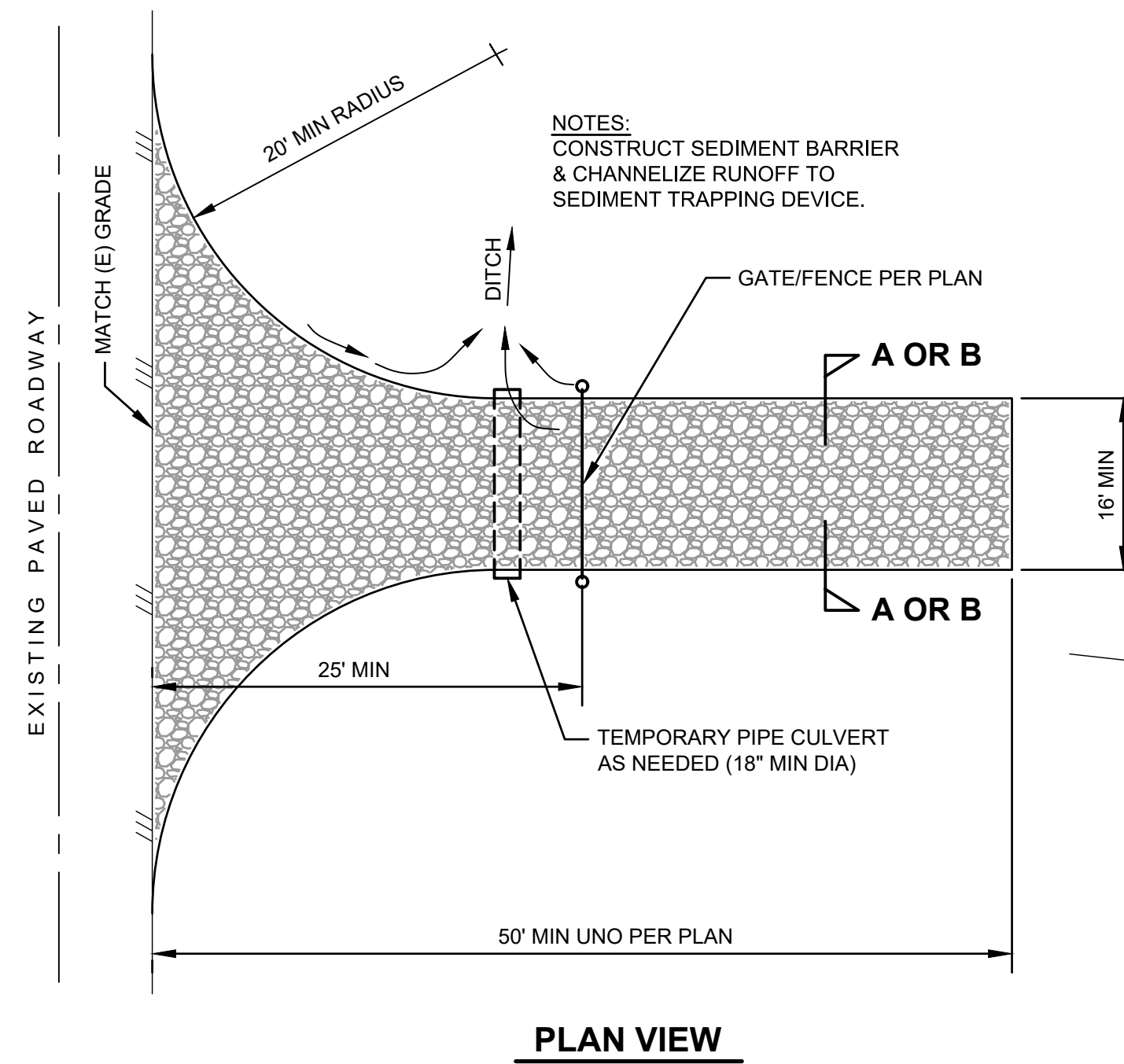
- NOTES:**
- CONTRACTOR SHALL INSPECT WATTLES AFTER EACH RAINFALL. REPLACE WATTLES WHEN THEY HAVE DECOMPOSED, COLLAPSED, OR BEEN DAMAGED.
 - WATTLES SHOULD BE PLACED ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT WATTLE.
 - THE DIRECTION OF RUNOFF FLOW TO THE WATTLES SHOULD BE PERPENDICULAR TO THE STAKED WATTLE LOCATION.
 - REMOVE UPON SITE STABILIZATION AND AS DIRECTED BY THE CONSTRUCTION MANAGER.
 - WATTLES/FIBER ROLLS SHALL BE COMPRISED OF BIODEGRADABLE MATERIALS.

1 WATTLES/FIBER ROLL SEDIMENT BARRIER
NTS



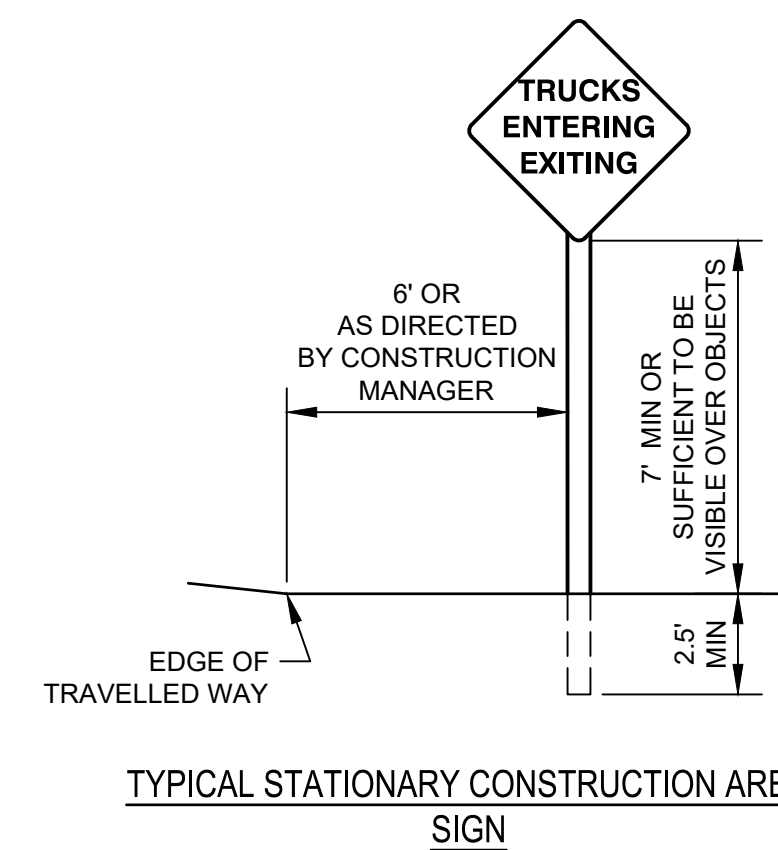
- NOTES:**
- OUTLET OF WATER DIVERSION PIPE TO BE PLACED ON A WASHED COBBLE ENERGY DISSIPATER AT LEAST 3' x 3' IN SIZE PLACED IN CHANNEL UPSTREAM OF THE DOWNSTREAM FISH SCREEN.
 - USE GRAVITY LINE AS MUCH AS PRACTICAL.
 - WATER MANAGEMENT PLAN CAN PROPOSE AN ALTERNATIVE COFFER DAM FOR APPROVAL.
 - FISH EXCLUSION SCREENS TO BE PLACED AT DIRECTION OF BIOLOGIST AND CONSTRUCTION MANAGER

2 TEMPORARY COFFER DAM
NTS



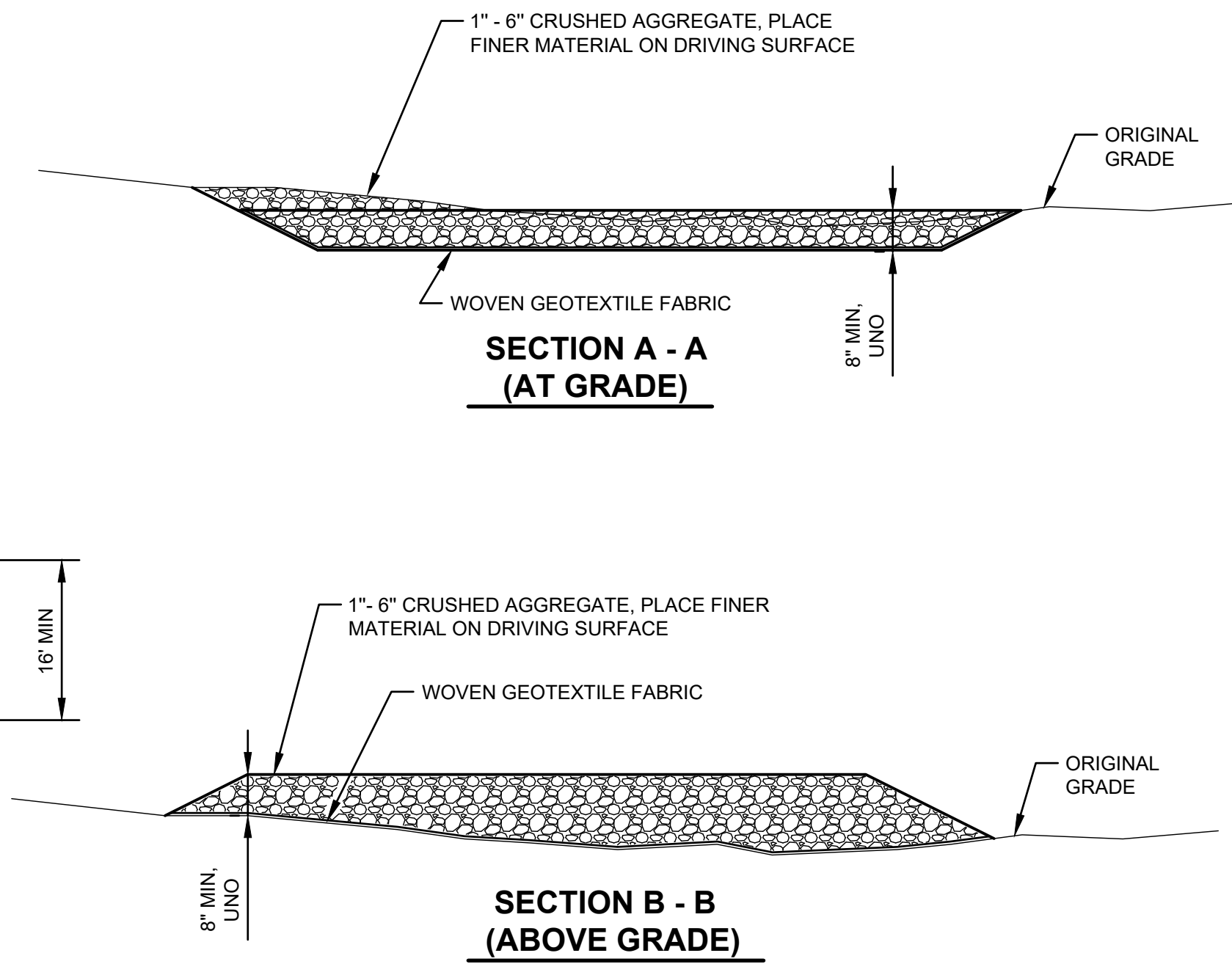
- NOTES:**
- ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC ROADWAY, AND DEGRADATION OF EXISTING PAVEMENT.
 - INSTALL CORRUGATED STEEL PANEL GRATES OR TIRE WASHING STATION AS NEEDED TO PREVENT TRACKING OF MUD ONTO PUBLIC ROAD.
 - ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS MUST BE REMOVED IMMEDIATELY.
 - ACCESSES SHALL BE INSPECTED DAILY AND AFTER EACH RAINFALL WITH MAINTENANCE PROVIDED BY THE CONTRACTOR AS NECESSARY.
 - ALL TEMPORARY CONSTRUCTION ENTRANCES SHALL BE LEFT IN PLACED AT THE CONCLUSION OF CONSTRUCTION, UNO.
 - GEOTEXTILE FABRIC SHALL BE WOVEN, MIRAFI 500x OR APPROVED EQUAL.

3 CONSTRUCTION ENTRANCE
NTS

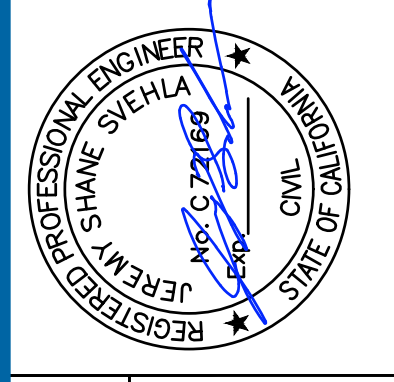


4 CONSTRUCTION SIGN

- CONSTRUCTION SIGN NOTES**
- EXACT SIGN LOCATIONS AND POSITIONS TO BE APPROVED BY THE CONSTRUCTION MANAGER.
 - ALL WARNING SIGNS SHALL HAVE A BLACK LEGEND AND BORDER ON ORANGE BACKGROUND PER CA MUTCD.
 - ALTERNATIVE POST CONFIGURATION, SUCH AS MOUNTING SIGNS TO A TYPE III BARRICADE, TO BE APPROVED BY CONSTRUCTION MANAGER.
 - ALL SIGNS SHOWN ON THIS SHEET AND INSTALLED BY THE CONTRACTOR SHALL REMAIN IN PLACE AND BE COVERED BY THE CONTRACTOR AT THE END OF CONSTRUCTION TO THE SATISFACTION OF THE CONSTRUCTION MANAGER.
 - SIGN WITH FIXED POST PER DETAIL SHOWN MAY BE SUBSTITUTED WITH SIGN MOUNTED TO TYPE 3 BARRICADE.



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HUMBOLDT COUNTY RESOURCE CONSERVATION DISTRICT
SALT RIVER ECOSYSTEM RESTORATION PROJECT

TYPICAL DETAILS

PROJ NO: 10653-8410410
DRWN: P. DUIN CHKD: JS

C-5
SHEET 9 OF 9