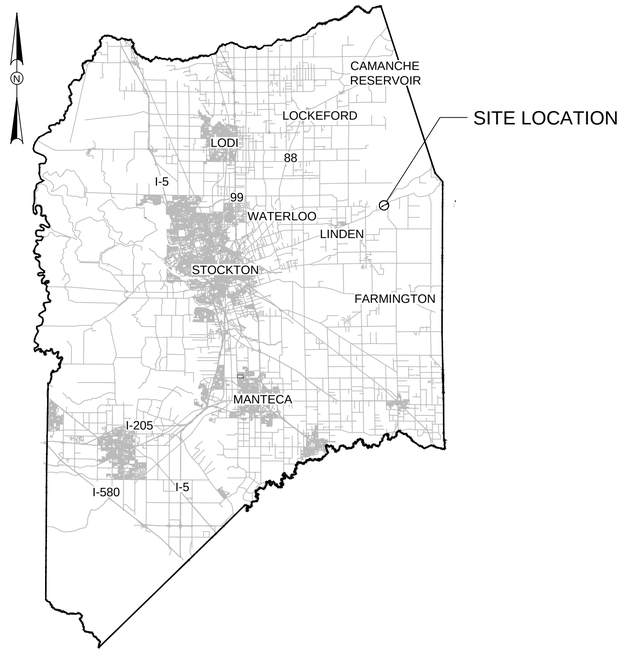
UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT

SAN JOAQUIN COUNTY
CALIFORNIA

VICINITY MAP
SCALE: 1" = 2,000'



LOCATION MAP
SAN JOAQUIN COUNTY

PROJECT OWNER

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER
CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

USA NORTH 811
Call 811 Before You Dig

PLAN REPRODUCTION WARNING

THE PLANS HAVE BEEN CREATED ON ANSI D (22"x34") SHEETS. FOR REDUCTIONS, REFER TO GRAPHIC SCALE.

THE PLANS HAVE BEEN CREATED FOR FULL COLOR PLOTTING. ANY SET OF THE PLANS THAT IS NOT PLOTTED IN FULL COLOR MUST NOT BE CONSIDERED ADEQUATE FOR CONSTRUCTION PURPOSES.

WARNING: INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.

DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONAL CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS BY SAN JOAQUIN COUNTY IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF RECORD, OF MY RESPONSIBILITY FOR PROJECT DESIGN.

STEVEN J. WIESNER R.C.E. NO. 72378 DATE

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Phone: 209-948-1345
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REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

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CONSTRUCTION

SCALE VERIFICATION
THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING
0 1"
IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
1810 EAST HAZELTON AVENUE
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FAX NO. (209) 468-2999

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

COVER SHEET

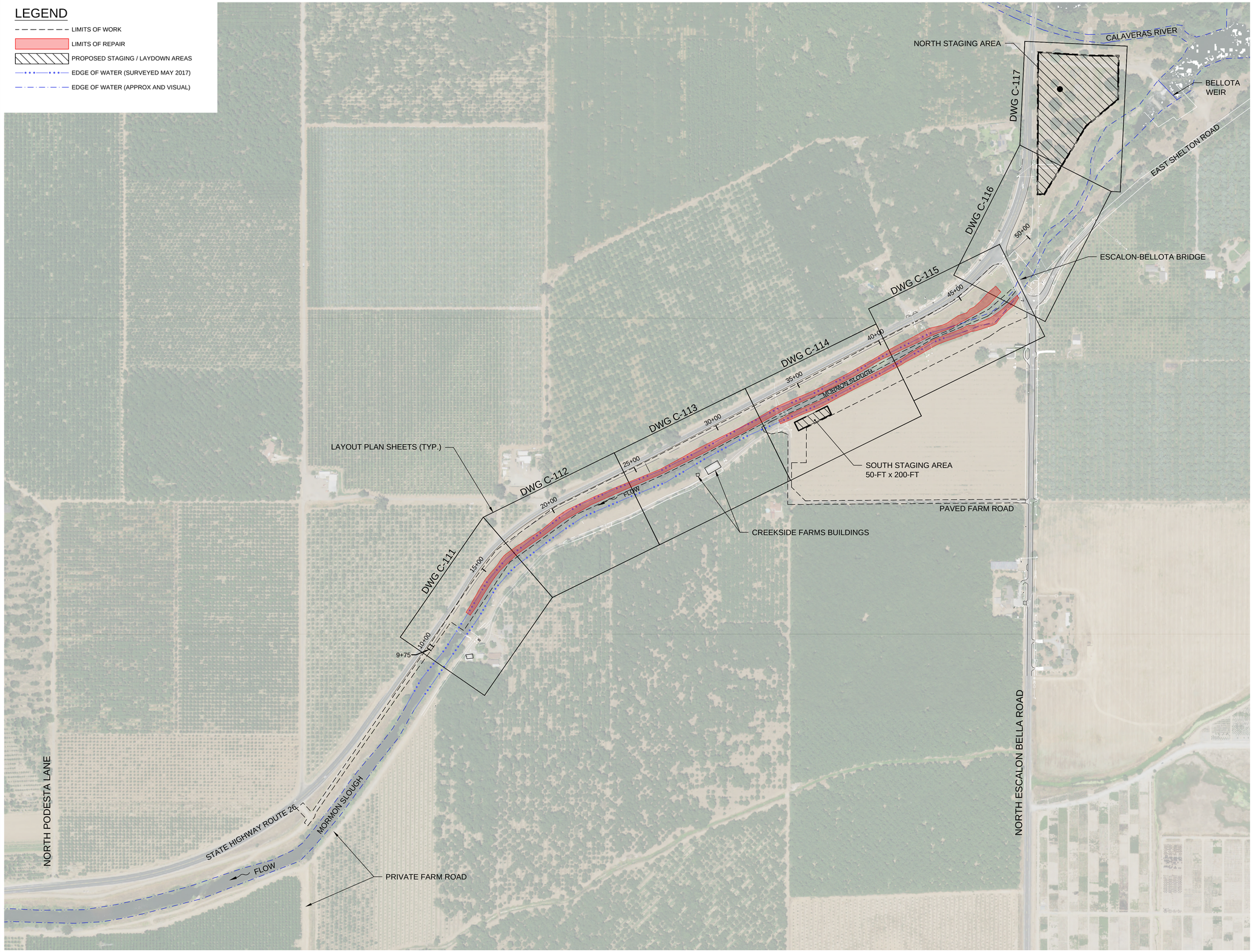
PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

G-001

SHEET 01 of 46

75% SUBMITTAL

CAD FILE: C:\pwworking\kleinfelder\pw01\kleinfelder_kviolette\d0194459\01_G-001_200336_Cover.dwg LAYOUT: 22x34Horiz PLOTTED: 7/31/2020 2:47 PM BY: kurt violette



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SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

0 250 500

SCALE: 1" = 250' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

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FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

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SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

PROJECT LOCATION OVERVIEW

PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

G-002

SHEET 02 of 46

CAD FILE: C:\pwworking\kleinfelderpw01\kleinfelder_kviolette\d0194459\02_G-002_200336_Project Location Overview.dwg LAYOUT: G-002 PLOTTED: 7/31/2020 8:51 AM BY: kurt violette

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INDEX OF DRAWINGS

SHEET NO.	DRAWING NO.	DRAWING TITLE
		GENERAL
01	G-001	COVER SHEET, LOCATION MAP, AND VICINITY MAP
02	G-002	PROJECT LOCATION OVERVIEW
03	G-003	INDEX OF DRAWINGS
04	G-004	LEGEND, AND ABBREVIATIONS
05	G-005	GENERAL NOTES
		CIVIL
06	C-100	STAGING AREA AND HAUL ROUTE PLAN
07	C-101	EXISTING CONDITIONS PLAN
08	C-102	EXISTING CONDITIONS PLAN
09	C-103	EXISTING CONDITIONS PLAN
10	C-104	EXISTING CONDITIONS PLAN
11	C-105	EXISTING CONDITIONS PLAN
12	C-106	EXISTING CONDITIONS PLAN
13	C-107	EXISTING CONDITIONS PLAN
14	C-111	SITE PREPARATION AND LAYOUT PLAN
15	C-112	SITE PREPARATION AND LAYOUT PLAN
16	C-113	SITE PREPARATION AND LAYOUT PLAN
17	C-114	SITE PREPARATION AND LAYOUT PLAN
18	C-115	SITE PREPARATION AND LAYOUT PLAN
19	C-116	SITE PREPARATION AND LAYOUT PLAN
20	C-117	SITE PREPARATION AND LAYOUT PLAN
21	C-120	ENLARGEMENT PLAN & DETAILS
22	C-121	ENLARGEMENT PLAN & DETAILS
23	C-122	ENLARGEMENT PLAN & DETAILS
24	C-123	ENLARGEMENT PLAN & DETAILS
25	C-130	OVERALL SEEDING & RESTORATION PLAN
26	C-131	SEEDING & RESTORATION PLAN
27	C-132	SEEDING & RESTORATION PLAN
28	C-133	SEEDING & RESTORATION PLAN
29	C-134	SEEDING & RESTORATION PLAN
30	C-135	SEEDING & RESTORATION PLAN
31	C-136	SEEDING & RESTORATION PLAN
32	C-137	SEEDING & RESTORATION PLAN
33	C-300	TYPICAL SECTIONS
34	C-301	SECTION - 14+00 & 16+00
35	C-302	SECTION - 18+00 & 20+00
36	C-303	SECTION - 22+00 & 24+00
37	C-304	SECTION - 26+00 & 28+00
38	C-305	SECTION - 30+00 & 32+00
39	C-306	SECTION - 34+00 & 36+00
40	C-307	SECTION - 38+00 & 40+00
41	C-308	SECTION - 42+00 & 44+00
42	C-309	SECTION - 46+00
43	C-310	SECTION SCENARIOS
44	C-500	EROSION CONTROL FABRIC AND DETAILS
45	C-600	INFORMATIONAL PLAN TEMPORARY ACCESS RAMPS
46	C-601	TYPICAL TEMPORARY ACCESS RAMP AND DETAILS

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PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
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INDEX OF DRAWINGS

PROJECT NO.	20200336.001A
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CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

G-003

SHEET 03 of 46

CAD FILE: C:\pwworking\kleinfelderpw01\kleinfelder_kviolette\d0194459\03_G-003_200336_Index Of Drawings.dwg LAYOUT: G-003 PLOTTED: 7/29/2020 3:36 PM BY: kurt violette

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LEGEND (EXISTING)

- TREE
- UTILITY POLE
- UTILITY POLE GUY OR ANCHOR
- WATER VALVE BOX
- WATER METER BOX
- SPRINKLER HEAD
- HOSE BIB
- GAS REGULATOR
- TELEPHONE MANHOLE
- TELEPHONE BOX OR PEDESTAL
- ELECTRIC LIGHT
- ELECTRIC BOX
- IRRIGATION BOX
- UTILITY BOX
- MONUMENT WELL
- FOUND MONUMENT
- STANDPIPE
- SIGN
- BOLLARD
- KSN CONTROL POINT
- VAULT
- PROPERTY LINE
- CALTRANS R.O.W.
- EASEMENT LINE
- RIGHT OF WAY
- EDGE OF WATER (SURVEYED MAY 2017)
- EDGE OF WATER (VISUAL AND APPROX)
- BUILDING FOOT PRINT
- PAVEMENT EDGE
- ROADWAY CURB
- ROAD EDGE
- FENCE (SEE PLANS FOR TYPE)
- VEGETATION LINE (ORCHARD)
- TREE DRIPLINE
- WALL
- CONTOUR, MAJOR (5-FT)
- CONTOUR, MINOR (1-FT)
- OVERHEAD UTILITY LINE

LEGEND (PROPOSED)

- LAUNCH ROCK
- SOIL-FILLED ROCK SLOPE PROTECTION
- EARTHFILL
- WATER SURFACE ELEVATION (SURVEYED MAY 2017)
- CENTER LINE
- LIMITS OF WORK
- LIMITS OF REPAIR
- FINISH SLOPE GRADE BREAK
- SUBGRADE SLOPE GRADE BREAK LINE
- FINISH SLOPE
- SUBGRADE UNDERCUT SLOPE
- REFERENCE LINE
- DIRECTION OF WATER FLOW
- EDGE OF WATER (SURVEYED MAY 2017)
- EDGE OF WATER (APPROX)
- REMOVE TREE AND STUMP (TYP.)
- EX TREE TO REMAIN AND BE PROTECTED (TYP.)
- EX ELDERBERRY SHRUB TO REMAIN AND BE PROTECTED (TYP)
- CROSS SECTION LETTER
- SHEET WHERE SHOWN

ABBREVIATIONS

AB	AGGREGATE BASE
ABN	ABANDON
ABUT	ABUTMENT
ADJ	ADJUST
ALT	ALTERNATE
APPROX	APPROXIMATE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIAL
AVG	AVERAGE
BC	BEGIN HORIZONTAL CURVE
BEG	BEGIN
BK	BACK
BLDG	BUILDING
BM	BENCHMARK
BOT	BOTTOM
BP	BEGIN POINT
BR	BRIDGE
BRG	BEARING
BVC	BEGIN VERTICAL CURVE
BW	BARBED WIRE
C.L.	CHAIN LINK
CL	CENTERLINE
CO	COUNTY
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINOUS
COORD	COORDINATE
CP	CONTROL POINT
CR	COUNTRY ROAD
DEG	DEGREE
DIM	DIMENSION
DIA	DIAMETER
DP	DRAIN PIPE
DWG	DRAWING
DWR	DEPARTMENT OF WATER RESOURCES
DWY	DRIVEWAY
E	EAST, EASTING
EA	EACH
EC	END HORIZONTAL CURVE
ECF	EROSION CONTROL FABRIC
EG	EXISTING GRADE
ELECT	ELECTIC
ELEV	ELEVATION
EP	EDGE OF PAVEMENT
EMB	EMBANKMENT
EQ	EQUAL
EVT	EVENT POINT
EX	EXISTING
EXC	EXCAVATION
EXIST	EXISTING
FG	FINISH GRADE
FL	FLOW LINE
FT	FEET
GALV	GALVANIZED
GB	GRADE BREAK
GND	GROUND
H	HORIZONTAL
HWM	HIGH WATER MARK
HWY	HIGHWAY
IN	INCHES
INV	INVERT
IP	IRON PIN
IR	IRRIGATION
L	LENGTH
LF	LINEAR FOOT (FEET)
LS	LANDSIDE
LBS	POUNDS
LM	LEVEE MILE
LMA	LOCAL MAINTENANCE AGENCY
LT	LEFT
LW	LIMITS OF WORK
MAINT	MAINTENANCE AREA
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MID	MIDWAY
MISC	MISCELLANEOUS
MON	MONUMENT
MW	MONITORING WELL
N	NORTH
N/A	NOT APPLICABLE
NAD83	NORTH AMERICAN DATUM OF 1983
NAS	NORTH AREA STREAMS
NAVD88	NORTHAMERICAN VERTICAL DATUM OF 1988
NGS	NATIONAL GEODETIC SURVEY
NGVD	NATIONAL GEODETIC VERTICAL DATUM
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFF	OFFSET
OH	OVERHEAD
OHW	OVERHEAD WIRE
OHWM	ORDINARY HIGH WATER MARK
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PLS	PURE LIVE SEED
PL	PROPERTY LINE
PR	PROPOSED
PS	PUMP STATION
PT	POINT OF TANGENCY
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS
R&D	REMOVE AND DISPOSE
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
REV	REVISED, REVISION
ROW	RIGHT OF WAY
RSP	ROCK SLOPE PROTECTION
RT	RIGHT
SD	STORM DRAIN
SHT	SHEET
SJAFCA	SAN JOAQUIN AREA FLOOD CONTROL AGENCY
SJCFCWCD	SAN JOAQUIN COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
SSJDD	SACRAMENTO SAN JOAQUIN DRAINAGE DISTRICT
SL	SLOPE
ST	STREET
STA	STATION
STD	STANDARD
TAN	TANGENT
TCP	TRAFFIC CONTROL PLAN
TOL	TOP OF LEVEE
TOS	TOP OF SLOPE
TP	TELEPHONE POLE
TRANS	TRANSITION
TYP	TYPICAL
UG	UNDERGROUND UTILITY
USACE	U.S. ARMY CORPS OF ENGINEERS
UTIL	UTILITY
V	VERTICAL
VAR	VARIES
VC	VERTICAL CURVE
VOL	VOLUME
W	WEST
WSE	WATER SURFACE ELEVATION
WS	WATER SURFACE
WV	WATER VALVE
WWF	WELDED WIRE FABRIC
XSEC	CROSS SECTION
YR	YEAR
YRS	YEARS

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REVISIONS

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SCALE VERIFICATION

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PRELIMINARY PLANS

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LEGEND AND ABBREVIATIONS

PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

G-004

SHEET 04 of 46

75% SUBMITTAL

CAD FILE: C:\pwworking\kleinfelder\pw\210\kleinfelder_kviolette\d0315445904_G-004_20336_Legend_Abb.dwg LAYOUT: G-004 PLOTTED: 7/31/2020 9:00 AM BY: kurt.violette

GENERAL NOTES

1. APPROVAL OF THESE PLANS BY THE SAN JOAQUIN DEPARTMENT OF PUBLIC WORKS (COUNTY) DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS BEEN ISSUED.
2. THE APPROVAL OF THIS PLAN OR ISSUANCE OF A PERMIT DOES NOT AUTHORIZE THE OWNER OR CONTRACTOR TO VIOLATE ANY FEDERAL, STATE, COUNTY, OR CITY LAWS, ORDINANCES, REGULATIONS, OR POLICIES, INCLUDING, BUT NOT LIMITED TO, THE FEDERAL ENDANGERED SPECIES ACT OF 1973 AND AMENDMENTS THERETO (16 USC SECTION 1431 ET.SEQ.). THE CONTRACTOR MUST BE RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS APPLICABLE TO ALL WORK PERFORMED UNDER THE CONTRACT.
3. PRIOR TO DISTURBANCE OF THE SITE, EXCLUDING UTILITY MARK-OUTS AND SURVEYING, THE CONTRACTOR MUST MAKE ARRANGEMENTS FOR A PRE-CONSTRUCTION MEETING WITH THE COUNTY.
4. DEVIATIONS FROM THESE SIGNED PLANS WILL NOT BE ALLOWED UNLESS A CONSTRUCTION CHANGE IS APPROVED IN WRITING BY THE COUNTY.
5. IMPORTANT NOTICE: SECTION 4216 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT AT 811 OR TOLL FREE 1-800-422-2444, TWO DAYS BEFORE YOU DIG.
6. CONTRACTOR MUST ADHERE TO ALL OSHA FEDERAL STATE AND LOCAL REGULATIONS, AT ALL TIMES THROUGHOUT CONSTRUCTION, WHEN OPERATING CRANES, BOOMS, HOIST, ETC. IN PROXIMITY OF OVERHEAD ELECTRIC LINES. IF THE CONTRACTOR MUST OPERATE EQUIPMENT CLOSE TO ELECTRIC LINES CONTACT POWER COMPANY TO MAKE ARRANGEMENTS FOR PROPER SAFEGUARDS. ANY UTILITY PROVIDER FEES MUST BE PAID BY THE CONTRACTOR.
7. THE CONTRACTOR MUST BE SOLELY AND COMPLETELY RESPONSIBLE FOR FURNISHING AND MAINTAINING ALL WARNING SIGNS, DEVICES, AND FEATURES NECESSARY TO PROTECT THE HEALTH AND SAFETY OF THE GENERAL PUBLIC AND WORKERS AND TO PROVIDE FOR THE PROPER AND SAFE ROUTING OF VEHICULAR AND PEDESTRIAN TRAFFIC DURING THE PERFORMANCE OF THE WORK.
8. THE CONTRACTOR MUST PROVIDE EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND MUST BE INSTALLED PRIOR TO START OF DEMOLITION AND CLEARING OPERATIONS.
9. THE CONTRACTOR MUST VERIFY ALL DIMENSIONS, SIZES, AND LOCATIONS OF ALL EXISTING FACILITIES AND FEATURES BEFORE STARTING WORK AND MUST IMMEDIATELY NOTIFY THE COUNTY OF ANY DISCREPANCIES. INFORMATION ON EXISTING UTILITIES HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY PROVIDER, RECORD MAPS, AND/OR FIELD SURVEY AND IS NOT GUARANTEED CORRECT OR COMPLETE.
10. UTILITIES ARE SHOWN TO ALERT THE CONTRACTOR TO THEIR PRESENCE AND THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL UTILITIES DURING CONTRACT ACTIVITIES.
11. ALL EXISTING FACILITIES AND FEATURES NOT DESIGNATED FOR REMOVAL ARE TO BE PROTECTED IN PLACE. DAMAGE MUST BE REPAIRED IN KIND AT THE CONTRACTORS EXPENSE.
12. THE CONTRACTOR MUST PROTECT ALL IRONS PINS, MONUMENTS AND PROPERTY CORNERS DURING DEMOLITION ACTIVITIES. ANY DISTURBED PINS, MONUMENTS, AND OR PROPERTY CORNERS, ETC. MUST BE RESET BY A LICENSES LAND SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.
13. EXISTING FENCING AND GATES WITHIN THE RIGHT-OF WAY MUST BE REMOVED AS REQUIRED FOR CONSTRUCTION AND AS SPECIFIED ON THE DRAWINGS. FENCING AND GATES MUST BE REPLACED FOLLOWING CONSTRUCTION.
14. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE ADEQUACY OF EXISTING BRIDGE AND CULVERT CROSSINGS PRIOR TO UTILIZING FOR ACCESS TO THE SITE OR FOR ANY HAULING ACTIVITIES. CROSSINGS DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES MUST BE IMMEDIATELY RESTORED TO PRE-CONSTRUCTION CONDITION BY THE CONTRACTOR AT NO COST TO THE COUNTY AND OR THE OWNER.
15. THE CONTRACTOR MUST BE RESPONSIBLE FOR MAINTAINING UP-TO-DATE RECORD DRAWINGS FOR ALL WORK THROUGHOUT THE COURSE OF CONSTRUCTION. SUCH DRAWINGS MUST RECORD THE LOCATION AND AS-BUILT CONDITION OF ALL PROJECT ELEMENTS. COPIES MUST BE DELIVERED TO THE COUNTY PRIOR TO THE ACCEPTANCE OF THE WORK AS INDICATED IN THE SPECIFICATIONS.
16. AERIAL PHOTOS ARE PROVIDED FOR REFERENCE ONLY. ALL EXISTING FEATURES MAY NOT BE SHOWN ON PHOTOS. CONTRACTORS MUST SATISFY THEMSELVES AS TO THE LOCATION OF EXISTING FACILITIES THAT MAY BE AFFECTED BY CONSTRUCTION.
17. LIMITS OF WORK SHOWN ON THE PLANS INDICATE AREA THAT HAS BEEN ENVIRONMENTALLY CLEARED FOR WORK. THE CONTRACTOR IS RESPONSIBLE FOR STAYING WITHIN DESIGNATED WORK AREAS. ANY VIOLATION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
18. THE CONTRACTOR MUST NOT CUT BELOW A THEORETICAL LINE EXTENDING FROM THE EDGES OF THE LEVEE CREST DOWNWARD AT A 2:1 SLOPE. IF REQUIRED, TEMPORARY CONSTRUCTION ACCESS RAMPS MAY BE CONSTRUCTED DOWN THE WATERFACE OF THE LEVEE WITH IMPORTED EARTH MATERIALS. WHEN TEMPORARY RAMPS ARE NO LONGER REQUIRED, AND PRIOR TO THE FLOOD SEASON (NOVEMBER 1 THROUGH APRIL 15). ALL TEMPORARY RAMPS MUST BE REMOVED AND THE MATERIALS DISPOSED BY THE CONTRACTOR. ANY TEMPORARY EARTHWORK ASSOCIATED WITH CONSTRUCTION MUST BE APPROVED BY THE ENGINEER OR DISTRICT REPRESENTATIVE (SEE PROJECT SPECIFICATIONS).
19. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL ROADS CLEAR OF MUD AND DEBRIS.
20. ALL EXISTING ELDERBERRY SHRUBS ON THE CONSTRUCTION SITE ARE TO BE MARKED PRIOR TO AND PROTECTED DURING CONSTRUCTION. IF SHRUBS MUST BE REMOVED, THE CONTRACTOR MUST RECEIVE WRITTEN APPROVAL OF THE COUNTY PRIOR TO REMOVAL FOR EACH SHRUB REMOVED.
21. AREAS OF EXISTING VEGETATION TO REMAIN MUST BE PROTECTED THROUGHOUT CONSTRUCTION. REVIEW ACTUAL LIMITS OF CLEARING WITH THE COUNTY OR ENGINEER, AND SELECTIVELY CLEAR AND PRUNE AS REQUIRED TO REMOVE DEAD, DISEASED, OR POORLY FORMED VEGETATION.
22. ALL TREE CLEARING LIMITS MUST BE FLAGGED BY THE CONTRACTOR AND REVIEWED IN THE FIELD BY THE COUNTY OR ENGINEER, CONSTRUCTION MANAGER AND ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTRACTOR MUST REMOVE ANY VEGETATION AS REQUIRED TO COMPLETE PROPOSED IMPROVEMENTS OR AS DIRECTED BY THE COUNTY. PROTECT-IN-PLACE TREES AND OTHER VEGETATION AS INDICATED ON PLANS.
23. SEED REPAIR SITE AND ANY DISTURBED AREAS OUTSIDE OF THE REPAIR AREA WITH A NATIVE EROSION CONTROL SEEDMIX AS PER PROJECT SPECIFICATIONS.
24. CONTRACTOR MUST RESTORE DISTURBED AREAS OUTSIDE AND INSIDE THE LIMITS OF THE REPAIR TO THE EXISTING CONDITIONS. ANY DISTURBED GRAVEL ROADWAY MUST BE REPAIRED WITH A MINIMUM 6" LAYER OF CLASS II AB WITHIN THE TRAVELED WAY OR EXISTING, WHICHEVER IS GREATER.
25. ANY DAMAGE TO PRIVATE ROADS OR FACILITIES MUST BE REPAIRED OR REPLACED AT THE CONTRACTORS EXPENSE.

SURVEY NOTES

1. TOPOGRAPHIC SURVEY DATED 05/19/2017 WAS PREPARED BY KJELDSEN SINNOCK NEUDECK, INC. (KSN) CIVIL ENGINEERS AND LAND SURVEYORS.
2. PHYSICAL ITEMS SHOWN ON THE TOPOGRAPHIC SURVEY ARE LIMITED TO THOSE ITEMS VISIBLE BY SURFACE INSPECTION AS OF THE DATE OF THE SURVEY. SUBSURFACE STRUCTURES, IF ANY, ARE NOT SHOWN.
3. EXISTING TOPOGRAPHY SHOWN ON THE PLANS IS APPROXIMATE AND THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING ACTUAL TOPOGRAPHY PRIOR TO CONSTRUCTION.
4. CONTRACTOR MUST PROVIDE A SURVEY OF LOCATIONS OF FEATURES, UTILITIES, OVERHEAD OBSTRUCTIONS, ETC. PRIOR TO CONSTRUCTION. NOT ALL OBSTRUCTIONS ARE SHOWN.
5. TEMPORARY, CONSTRUCTION REFERENCE LINES, TO BE SET BY THE CONTRACTOR, ARE SHOWN ON THE SITE PREPARATION AND LAYOUT PLAN SHEETS.
6. DATUM:

   HORIZONTAL DATUM:
   NORTH AMERICAN DATUM OF 1983 (NAD83) CONVERTED TO THE CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE 3 (CCS83-III) AS REFERENCED BY AVAILABLE NGS PUBLISHED CONTROL MONUMENTS. GRID DISTANCES SHOWN MUST BE MULTIPLIED BY 1.00006177 (CSF) TO OBTAIN GROUND DISTANCES.

   VERTICAL DATUM:
   ELEVATIONS SHOWN ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD-29) AS REFERENCED BY SAN JOAQUIN COUNTY BENCHMARK FE-17.6. UNITS SHOWN ARE BASED ON THE U.S. SURVEY FOOT, 2007.00 EPOCH DATE ADJUSTMENT.

BASIS OF DESIGN

1. THE DESIGN WATER SURFACE ELEVATIONS WERE PROVIDED BY CALIFORNIA DEPARTMENT OF WATER RESOURCES.
2. THE PERFORMANCE OF LEVEE AND CHANNEL SYSTEMS IS DEPENDENT UPON BOTH THE DESIGN AND THE LONG-TERM OPERATING AND MAINTENANCE OF THE LEVEES.
3. KLEINFELDER HAS PREPARED THESE PLANS IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICE AND THE RURAL LEVEE REPAIR GUIDELINES USING INFORMATION FROM MULTIPLE SOURCES AS DOCUMENTED IN THE PROJECT INFORMATION REPORT (KLF, 2019). IF EXTREME FLOODS (EXCEEDING THE DESIGN PROFILE), EARTHQUAKES, OR OTHER LOADING CONDITIONS NOT EVALUATED IN THE DESIGN OCCUR, THE INTEGRITY OF THE SYSTEM MAY BE COMPROMISED.

PERMITS

1. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED TO COMPLETE THE WORK.
2. SEE GENERAL CONDITIONS AND SPECIAL PROVISIONS FOR ALL PERMITS APPLICABLE TO THE CONTRACT.

SWPPP

1. THE COUNTY HAS FILED THE NOTICE OF INTENT (NOI) TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT TO DISCHARGE STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES (WQ ORDER NO.99-08-DWQ). THE CONTRACTOR MUST DEVELOP AND SUBMIT TO THE COUNTY A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR THE WORK IN ACCORDANCE WITH THE STATE'S GUIDELINES AND SECTION 10 OF THE GENERAL CONDITIONS. THE CONTRACTOR MUST IMPLEMENT THE SWPPP PRIOR TO THE STARTING SOIL DISTURBING ACTIVITIES, AND BE RESPONSIBLE FOR ALL MAINTENANCE AND MONITORING THROUGH THE COMPLETION OF CONSTRUCTION AND FINAL ACCEPTANCE.

CONTACT REPRESENTATIVES

ROLE/UTILITY	COUNTY/CONSULTANT	REPRESENTATIVES	CONTACT
COUNTY	SJCFCWCD	GLENN PRASAD	209-953-7611
ENGINEER OF RECORD	KLEINFELDER	STEVEN WIESNER	209-948-1345
ENVIRONMENTAL CONSULTANT	PARUS CONSULTING	TOM LAGERQUIST	916-438-9970
GEOTECHNICAL ENGINEER	KLEINFELDER	ALEX WRIGHT	916-366-2312
SURVEYOR	KSN	KRIS NEHMER	209-946-0268
MAINTENANCE	SJC UTILITY MAINTENANCE	BEN GUZMAN	TBD
COMMUNICATIONS	COMCAST	KRIS COOK	559-624-1652
COMMUNICATIONS	SPRINT	RICHARD WOLF	Richard.wolf@sprint.com
COMMUNICATIONS	VERIZON	TBD	TBD
COMMUNICATIONS	FRONTIER	JAMES CARTER	209-691-5619
COMMUNICATIONS	CHARTER	ABEL DAVILA	209-633-3311
ELECTRIC	PG&E	ROBERT DAY	209-943-1784
GAS	PG&E	ROBERT DAY	209-942-1784
TELEPHONE	AT&T/SBC CALIFORNIA	SHARON DINNELL	209-549-5847
WATER	STOCKTON EAST WATER DISTRICT	MICHAEL JOHNSON	209-948-0333
WATER	SJC WATER RESOURCE DIVISION	BRANDON NAKAGAWA	TBD

KLEINFELDER
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Stockton, CA 95206
Phone: 209-948-1345
www.kleinfelder.com

REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

DRAFT
NOT FOR
CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

GENERAL NOTES

PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

G-005

75% SUBMITTAL

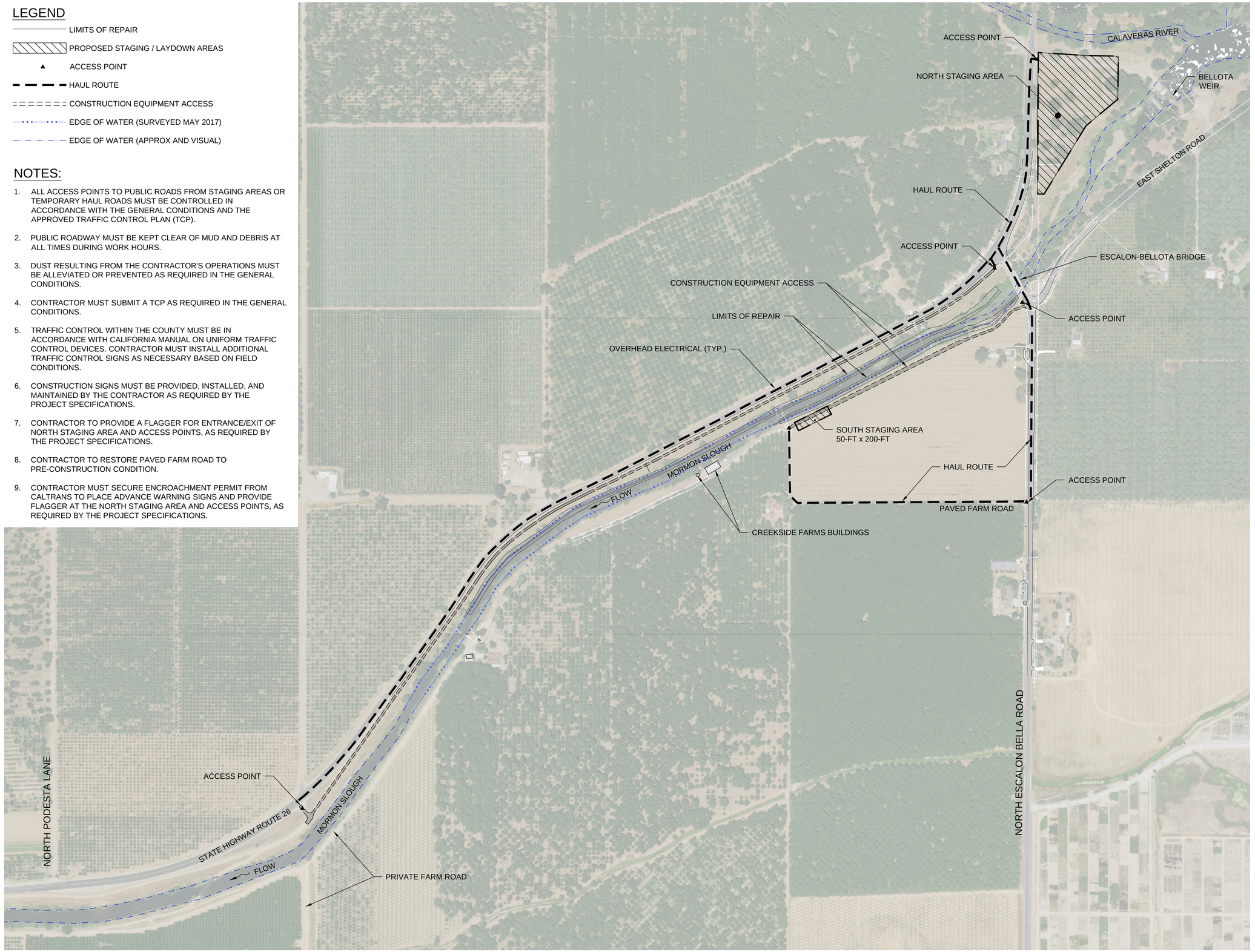
CAD FILE: C:\pwworking\kleinfelderpw01\kleinfelder_kviolette\d0194459\05_G-005_200336_Gen Notes.dwg LAYOUT: G-002 PLOTTED: 7/31/2020 1:45 PM BY: kurt violette

LEGEND

- LIMITS OF REPAIR
- PROPOSED STAGING / LAYDOWN AREAS
- ACCESS POINT
- HAUL ROUTE
- CONSTRUCTION EQUIPMENT ACCESS
- EDGE OF WATER (SURVEYED MAY 2017)
- EDGE OF WATER (APPROX AND VISUAL)

NOTES:

1. ALL ACCESS POINTS TO PUBLIC ROADS FROM STAGING AREAS OR TEMPORARY HAUL ROADS MUST BE CONTROLLED IN ACCORDANCE WITH THE GENERAL CONDITIONS AND THE APPROVED TRAFFIC CONTROL PLAN (TCP).
2. PUBLIC ROADWAY MUST BE KEPT CLEAR OF MUD AND DEBRIS AT ALL TIMES DURING WORK HOURS.
3. DUST RESULTING FROM THE CONTRACTOR'S OPERATIONS MUST BE ALLEVIATED OR PREVENTED AS REQUIRED IN THE GENERAL CONDITIONS.
4. CONTRACTOR MUST SUBMIT A TCP AS REQUIRED IN THE GENERAL CONDITIONS.
5. TRAFFIC CONTROL WITHIN THE COUNTY MUST BE IN ACCORDANCE WITH CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. CONTRACTOR MUST INSTALL ADDITIONAL TRAFFIC CONTROL SIGNS AS NECESSARY BASED ON FIELD CONDITIONS.
6. CONSTRUCTION SIGNS MUST BE PROVIDED, INSTALLED, AND MAINTAINED BY THE CONTRACTOR AS REQUIRED BY THE PROJECT SPECIFICATIONS.
7. CONTRACTOR TO PROVIDE A FLAGGER FOR ENTRANCE/EXIT OF NORTH STAGING AREA AND ACCESS POINTS, AS REQUIRED BY THE PROJECT SPECIFICATIONS.
8. CONTRACTOR TO RESTORE PAVED FARM ROAD TO PRE-CONSTRUCTION CONDITION.
9. CONTRACTOR MUST SECURE ENCROACHMENT PERMIT FROM CALTRANS TO PLACE ADVANCE WARNING SIGNS AND PROVIDE FLAGGER AT THE NORTH STAGING AREA AND ACCESS POINTS, AS REQUIRED BY THE PROJECT SPECIFICATIONS.



CAD FILE: C:\pwworking\kleinfelderpw01\kleinfelder_kviolette\d0194459\06_C-100_200336_Stage_Haul Route Plan.dwg LAYOUT: C-100 PLOTTED: 7/31/2020 1:49 PM BY: kurt.violette

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SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

0 250 500

SCALE: 1" = 250' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

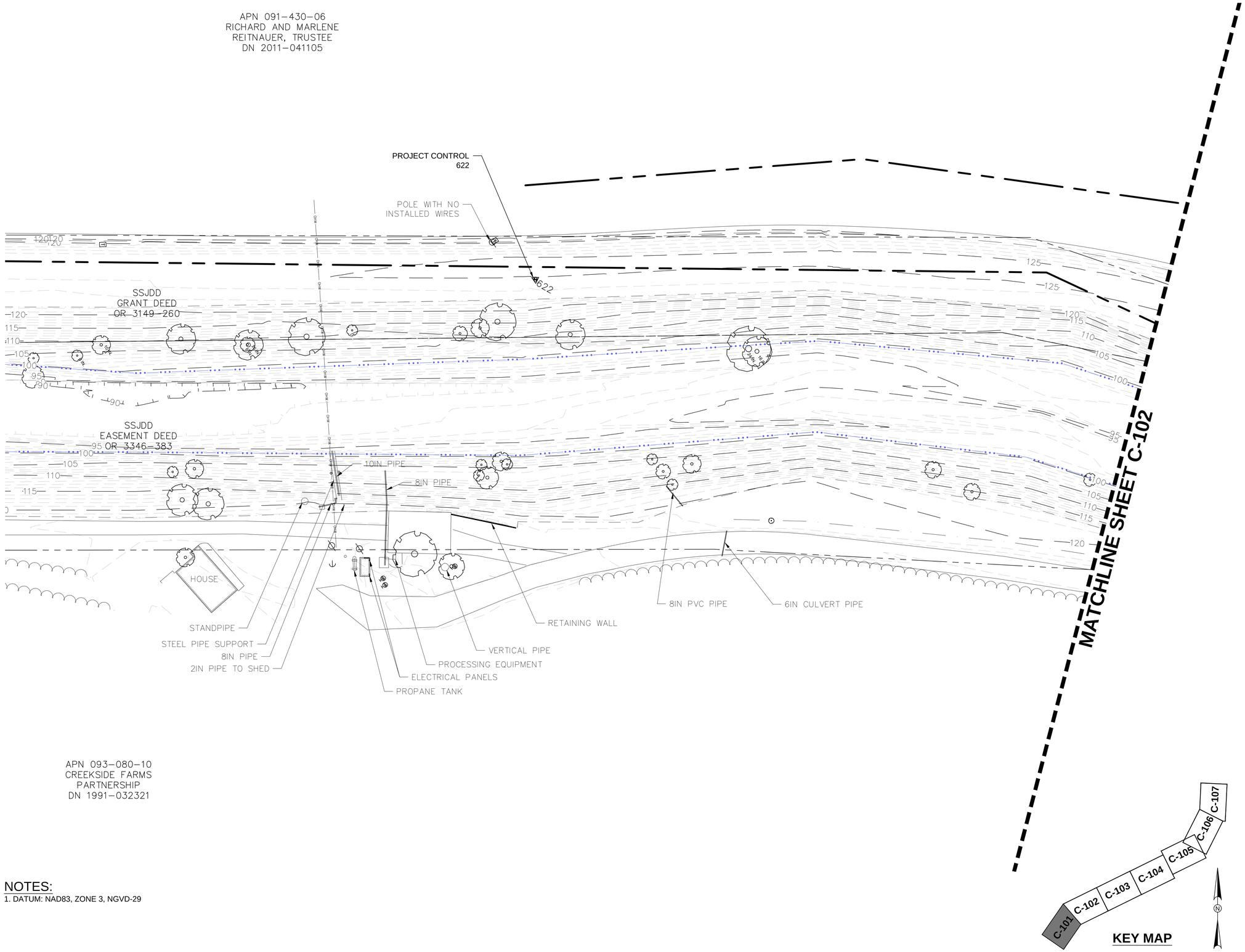
STAGING AREA AND
HAUL ROUTE PLAN

PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-100

SHEET 06 of 46

75% SUBMITTAL



NOTES:
1. DATUM: NAD83, ZONE 3, NGVD-29

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SCALE VERIFICATION

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0 1"

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0 30 60
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PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

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SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

EXISTING CONDTIONS PLAN

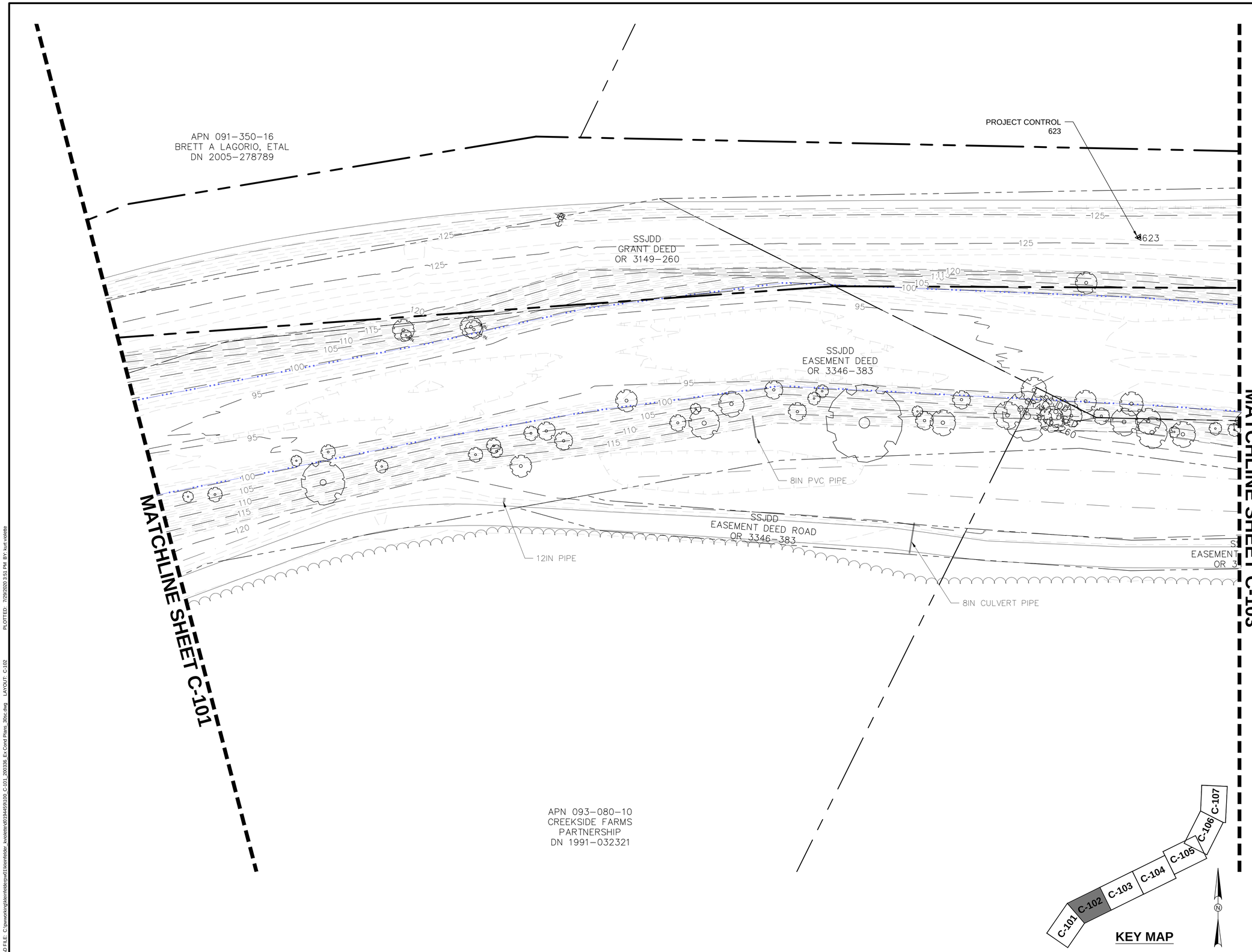
PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-101

SHEET 07 of 46

75% SUBMITTAL

CAD FILE: C:\pwworking\kleinfelderpw01\kleinfelder_kviolette\d0194459\100_C-101_200336_Ex Cond Plans_30sc.dwg LAYOUT: C-101 PLOTTED: 7/29/2020 3:51 PM BY: kurt violette



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SCALE VERIFICATION

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IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

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PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

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SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

EXISTING CONDTIONS PLAN

PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-102

SHEET 08 of 46

75% SUBMITTAL

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APN 091–350–30
THOMAS G. WATKINS,
TRUSTEES
DN 2015–084128

PROJECT CONTROL
624

DRAINAGE PIPE
LOCATION APPROX

SSJDD
EASEMENT DEED
OR 3263–188

SSJDD
EASEMENT DEED
OR 3412–141

SSJDD
EASEMENT DEED
OR 3412–141

SSJDD
EASEMENT DEED ROAD
OR 3412–141

24 IN
18 IN
30 IN
UNKNOWN

4IN PVC PIPE

SHED
SHED

ELECTRICAL SWITCH
NUT PROCESSING EQUIPMENT

APN 093–080–08
CREEKSIDE FARMS
PARTNERSHIP
DN 1991–032321

MATCHLINE SHEET C-102

MATCHLINE SHEET C-104

KEY MAP
C-101 C-102 C-103 C-104 C-105 C-106 C-107

PLOTTED: 7/29/2020 3:52 PM BY: kurt violette

CAD FILE: C:\pwworking\kleinfelder\prjvol01\kleinfelder_kviolette\d0194459\l00 C-101_20033E Ex Cond Plans_30sc.dwg LAYOUT: C-103

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PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

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SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

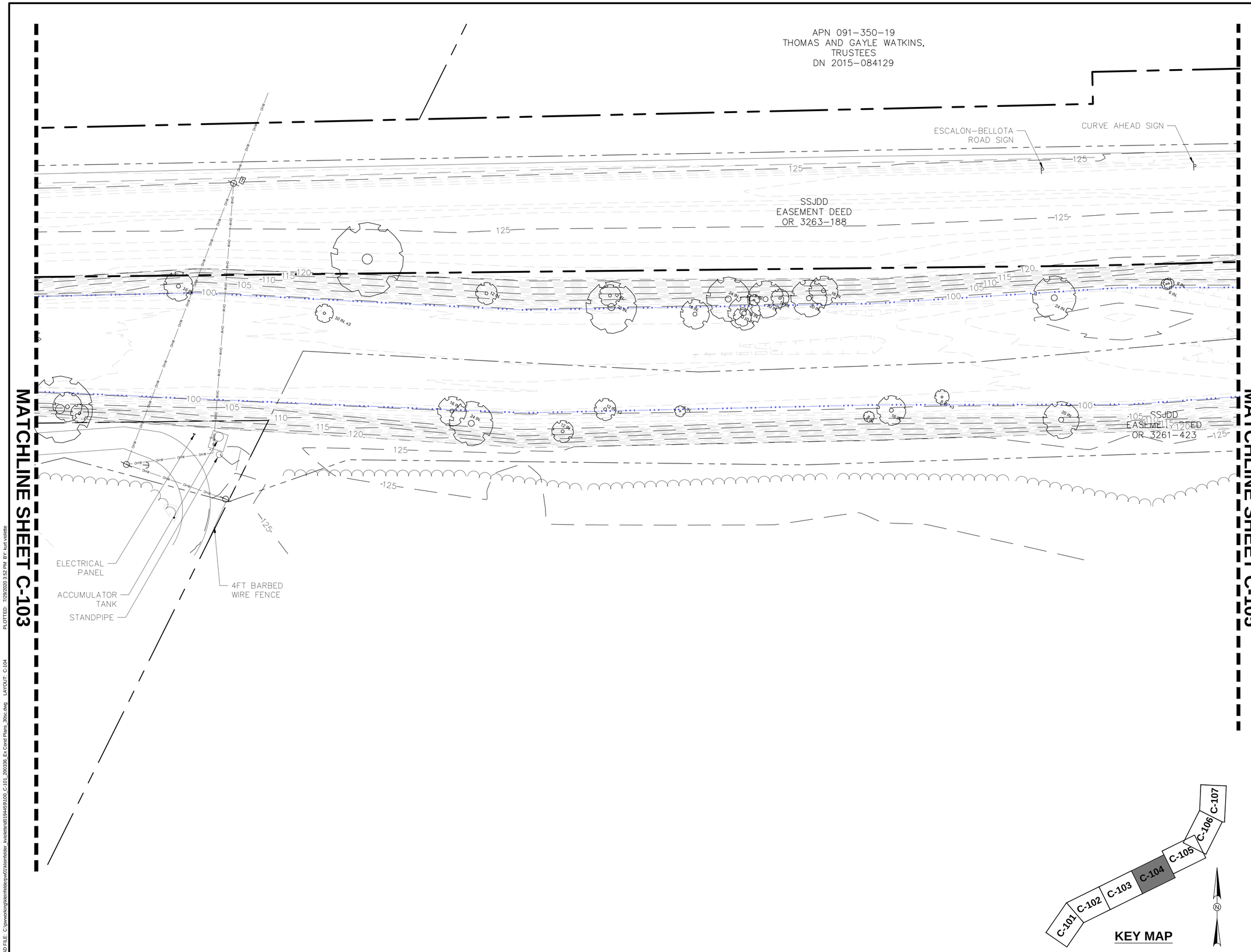
EXISTING CONDTIONS PLAN

PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-103

SHEET 09 of 46

75% SUBMITTAL



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PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
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1810 EAST HAZELTON AVENUE
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FAX NO. (209) 468-2999

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
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STOCKTON, CALIFORNIA 95201

EXISTING CONDTIONS PLAN

PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-104

SHEET 10 of 46

75% SUBMITTAL

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APN 091-350-20
THOMAS G. WATKINS, TRUSTEE
DN 2015-084128

STANDPIPE
ELECTRIC PANEL
PROJECT CONTROL 612
PROJECT CONTROL 510 & 511
4FT BARBED WIRE FENCE
SR 26 / ESCALON BELLOTA ROAD SIGN
UTILITY PULLBOX UNKNOWN TYPE
EDGE OF PAVEMENT
PIPE GATE
AC DIKE
ALUMINUM DISK FE-17.6
EDGE OF BRIDGE DECK
CONCRETE HEADWALL PUMP (ABANDONED)
STANDPIPE 6IN PVC PIPE
8IN PVC PIPE
INV=96.04
FOOTHILL LANDFILL SIGN
GUARD RAIL
4FT CHAINLINK GATE
ROWS OF 1IN WALNUT TREES
1IN PIPE LS4450
ELECTRICAL PANEL
STANDPIPE
INV=97.96
12IN PIPE
INV=123.39

APN 093-180-01
THOMAS G. WATKINS, TRUSTEE
DN 2015-084128

APN 093-180-02
ANNE G ALBRECHT
DN 2015-084131

ESCALON BELLOTA ROAD
MORMON BRIDGE PARCEL

MATCHLINE SHEET C-106

MATCHLINE SHEET C-104

KEY MAP
C-101 C-102 C-103 C-104 C-105 C-106 C-107

PLOTTED: 7/29/2020 3:02 PM BY: kurt.violette
CAD FILE: C:\pwworking\kleinfelderpw01\kleinfelder_kviolette\d0194459\l00 C-101_20020336_Ex Cond Plans_30sc.dwg LAYOUT: C-105

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Phone: 209-948-1345
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REVISIONS

REV	DESCRIPTION	DSN DWN	CHK APP	DATE

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CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

0 30 60
SCALE: 1" = 30' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
1810 EAST HAZELTON AVENUE
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TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

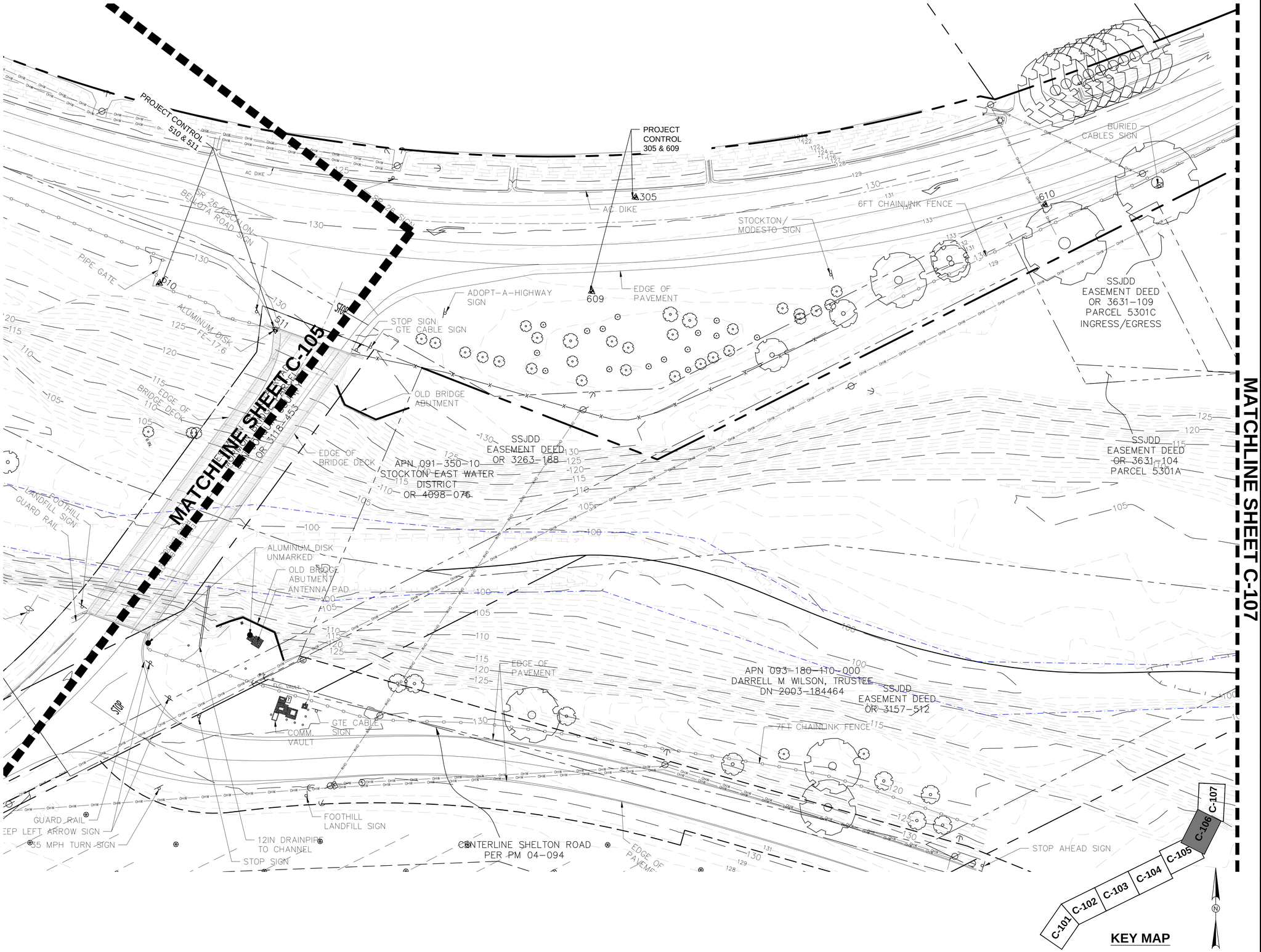
EXISTING CONDITIONS PLAN

PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-105

SHEET 11 of 46

75% SUBMITTAL



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REVISIONS

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0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

0 30 60
SCALE: 1" = 60' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

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FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

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FAX NO. (209) 468-2999

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
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STOCKTON, CALIFORNIA 95201

EXISTING CONDITIONS PLAN

PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-106

SHEET 12 of 46

75% SUBMITTAL

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REVISIONS

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SCALE VERIFICATION

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0 30 60

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PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
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SAN JOAQUIN COUNTY
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STOCKTON, CALIFORNIA 95201

EXISTING CONDITIONS PLAN

PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

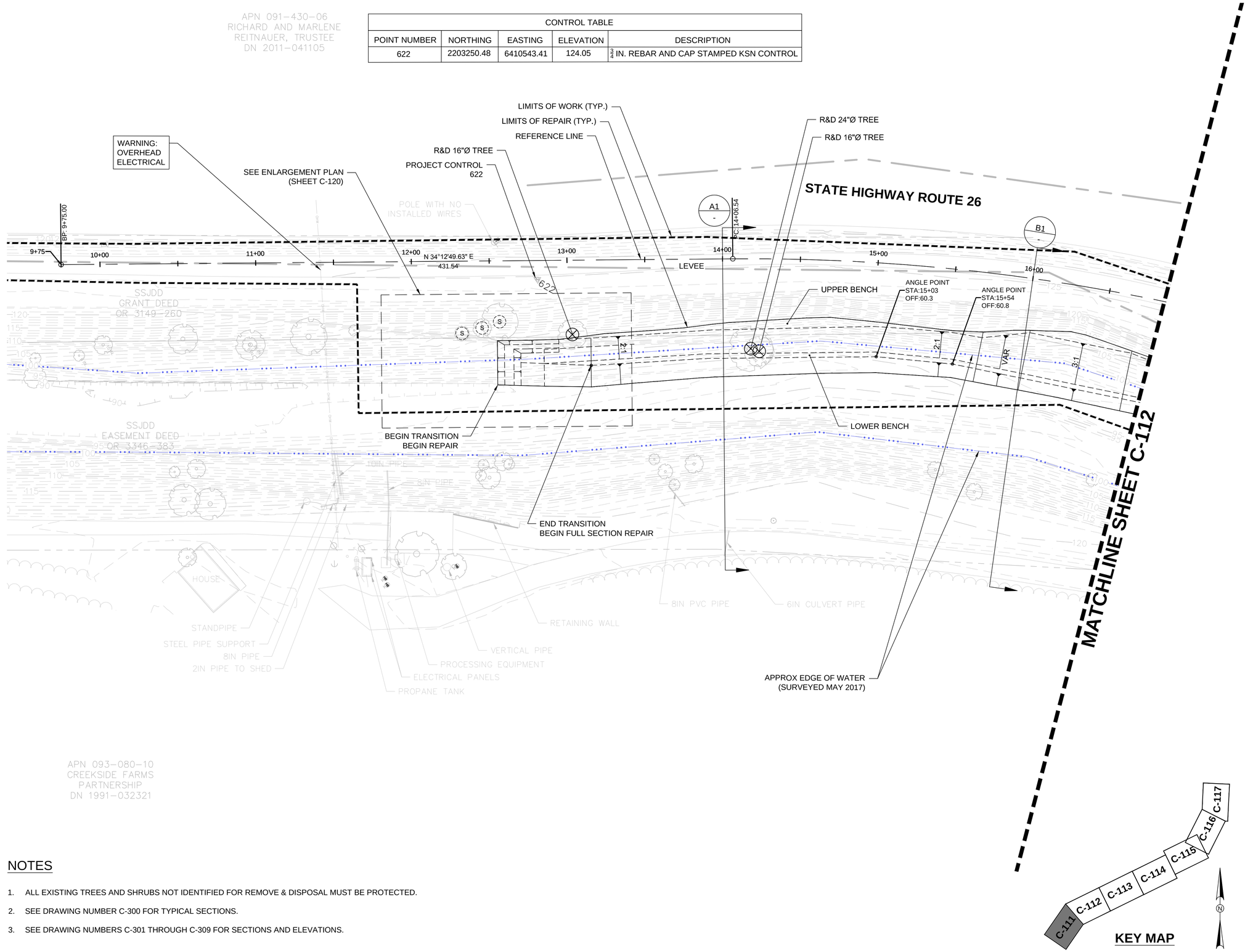
C-107

SHEET 13 of 46

75% SUBMITTAL

CAD FILE: C:\pwworking\kleinfelderpw\d0194459100.C-101_20036_Ex Cond Plans_30sc.dwg LAYOUT: C-107 PLOTTED: 7/29/2020 3:53 PM BY: kurt.violette

CONTROL TABLE				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
622	2203250.48	6410543.41	124.05	1/2" IN. REBAR AND CAP STAMPED KSN CONTROL



NOTES

1. ALL EXISTING TREES AND SHRUBS NOT IDENTIFIED FOR REMOVE & DISPOSAL MUST BE PROTECTED.
2. SEE DRAWING NUMBER C-300 FOR TYPICAL SECTIONS.
3. SEE DRAWING NUMBERS C-301 THROUGH C-309 FOR SECTIONS AND ELEVATIONS.

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PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

SITE PREPARATION
AND LAYOUT PLAN

PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

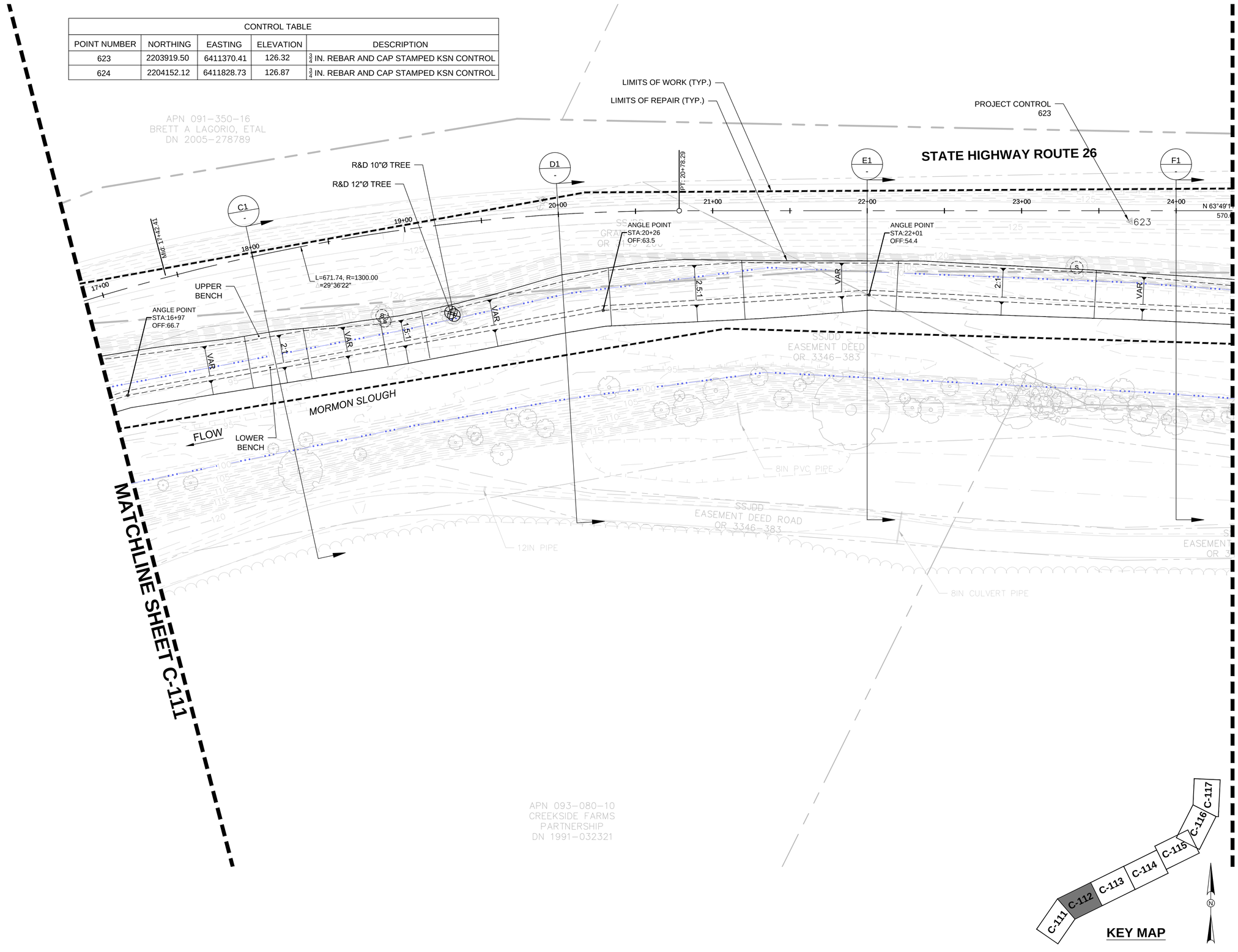
C-111

SHEET 14 of 46

75% SUBMITTAL

CAD FILE: C:\pwworking\kleinfelderpw01\kleinfelder_kviolette\d0319459\100_C-111_20336_Layout Plan_30sc.dwg LAYOUT: C-111 PLOTTED: 7/31/2020 2:51 PM BY: kurt violette

CONTROL TABLE				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
623	2203919.50	6411370.41	126.32	R&D IN. REBAR AND CAP STAMPED KSN CONTROL
624	2204152.12	6411828.73	126.87	R&D IN. REBAR AND CAP STAMPED KSN CONTROL



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Bright People. Right Solutions.

2001 Arch-Airport Road, Suite 100
Stockton, CA 95206
Phone: 209-948-1345
www.kleinfelder.com

REVISIONS

REV	DESCRIPTION	DSN DWN	CHK APP	DATE

DRAFT
NOT FOR
CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

0 30 60

SCALE: 1" = 30' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
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SAN JOAQUIN COUNTY
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1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

SITE PREPARATION
AND LAYOUT PLAN

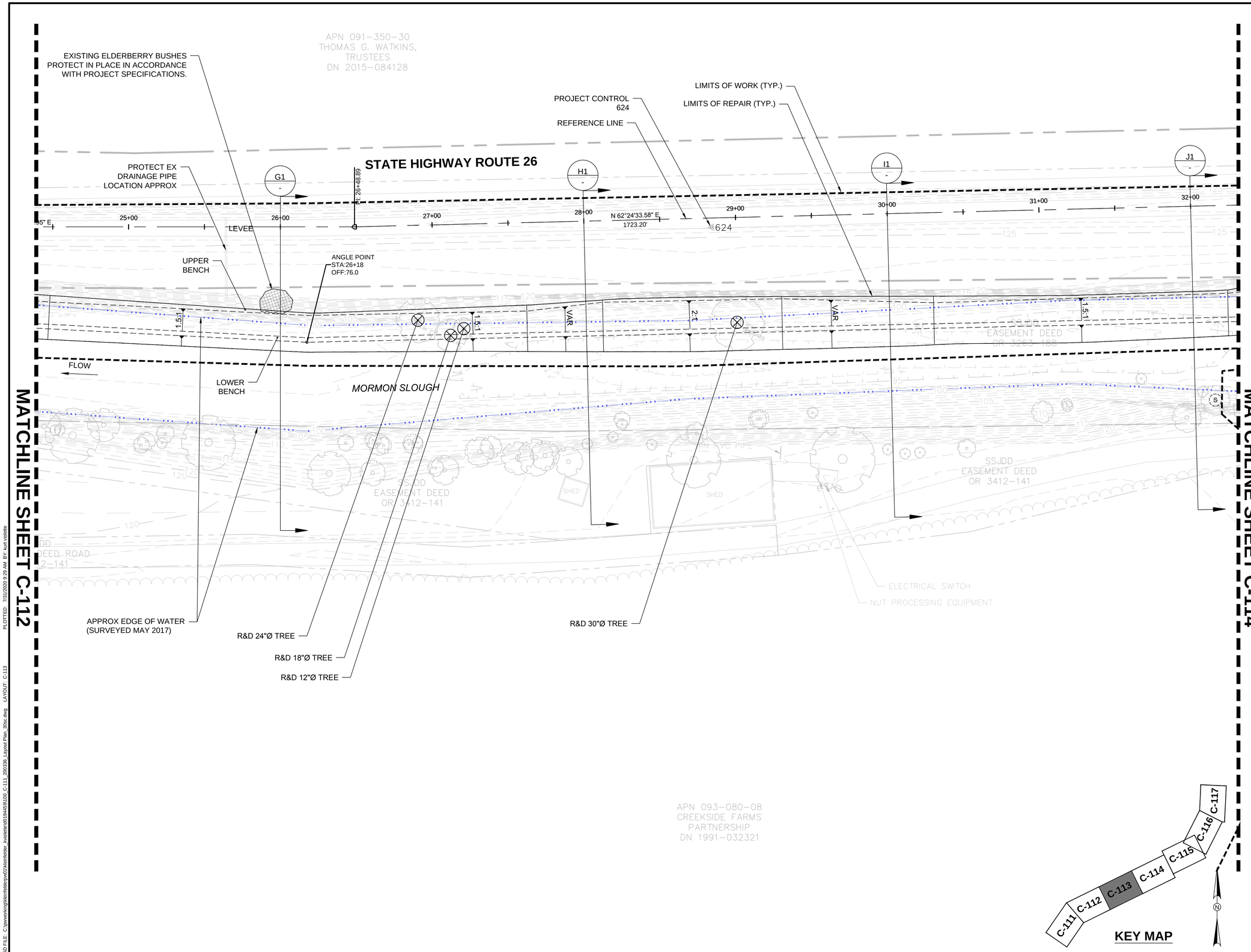
PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-112

SHEET 15 of 46

75% SUBMITTAL

CAD FILE: C:\pwworking\kleinfelderpw01\kleinfelder_kviolette\d0315445910\0_C-111_200336_Layout Plan_30sc.dwg LAYOUT: C-112 PLOTTED: 7/31/2020 9:27 AM BY: kurt violette



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2001 Arch-Airport Road, Suite 100
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REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

DRAFT
NOT FOR
CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

0 30 60

SCALE: 1" = 30' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
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SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

SITE PREPARATION
AND LAYOUT PLAN

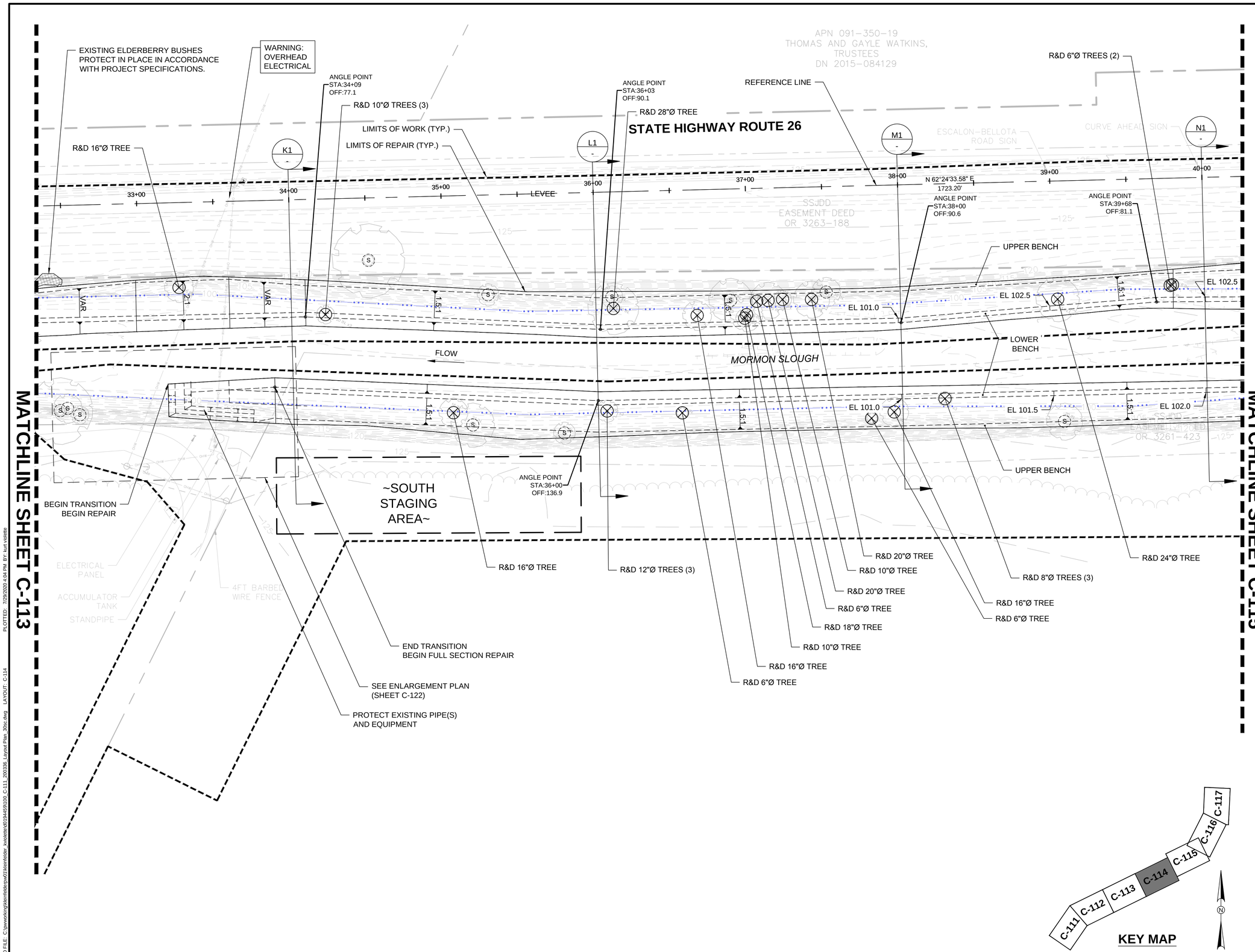
PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-113

SHEET 16 of 46

75% SUBMITTAL

CAD FILE: C:\pwworking\kleinfelderpw01\kleinfelder_kviolette\d0194459\100_C-111_200336_Layout Plan_30sc.dwg LAYOUT: C-113 PLOTTED: 7/31/2020 9:29 AM BY: kurt violette



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REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

DRAFT NOT FOR CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

0 30 60

SCALE: 1" = 30' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
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SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

SITE PREPARATION AND LAYOUT PLAN

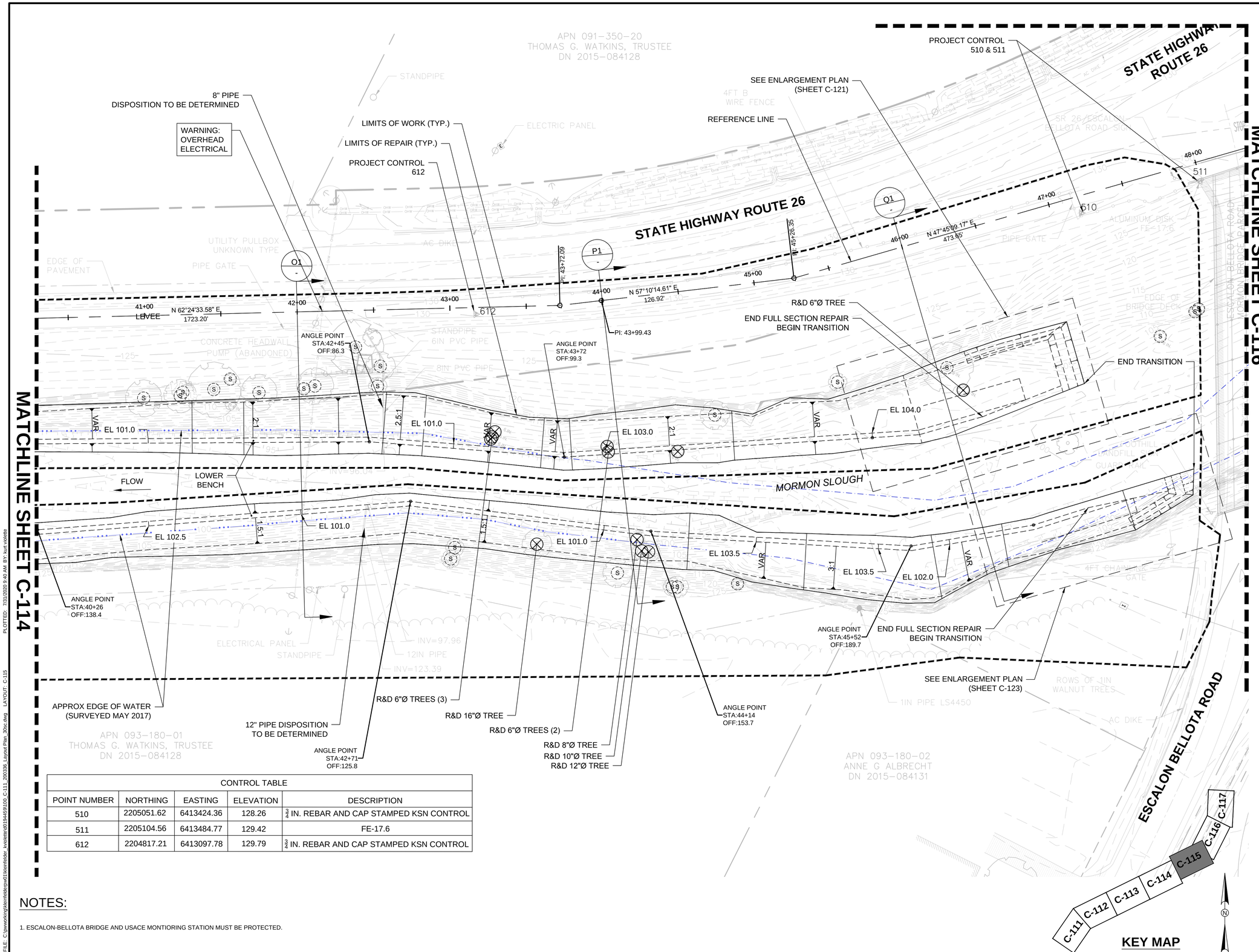
PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-114

SHEET 17 of 46

75% SUBMITTAL

CAD FILE: C:\pwworking\kleinfelderpw01\kleinfelder_kviolette\d0194459\100_C-111_200336_Layout Plan_30sc.dwg LAYOUT: C-114 PLOTTED: 7/29/2020 4:04 PM BY: kurt violette



CONTROL TABLE				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
510	2205051.62	6413424.36	128.26	$\frac{3}{4}$ IN. REBAR AND CAP STAMPED KSN CONTROL
511	2205104.56	6413484.77	129.42	FE-17.6
612	2204817.21	6413097.78	129.79	$\frac{3}{4}$ IN. REBAR AND CAP STAMPED KSN CONTROL

NOTES:

1. ESCALON-BELLOTA BRIDGE AND USACE MONTIORING STATION MUST BE PROTECTED.

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REVISIONS

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CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

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0 30 60

SCALE: 1" = 30' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
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SAN JOAQUIN COUNTY
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1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

SITE PREPARATION
AND LAYOUT PLAN

PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

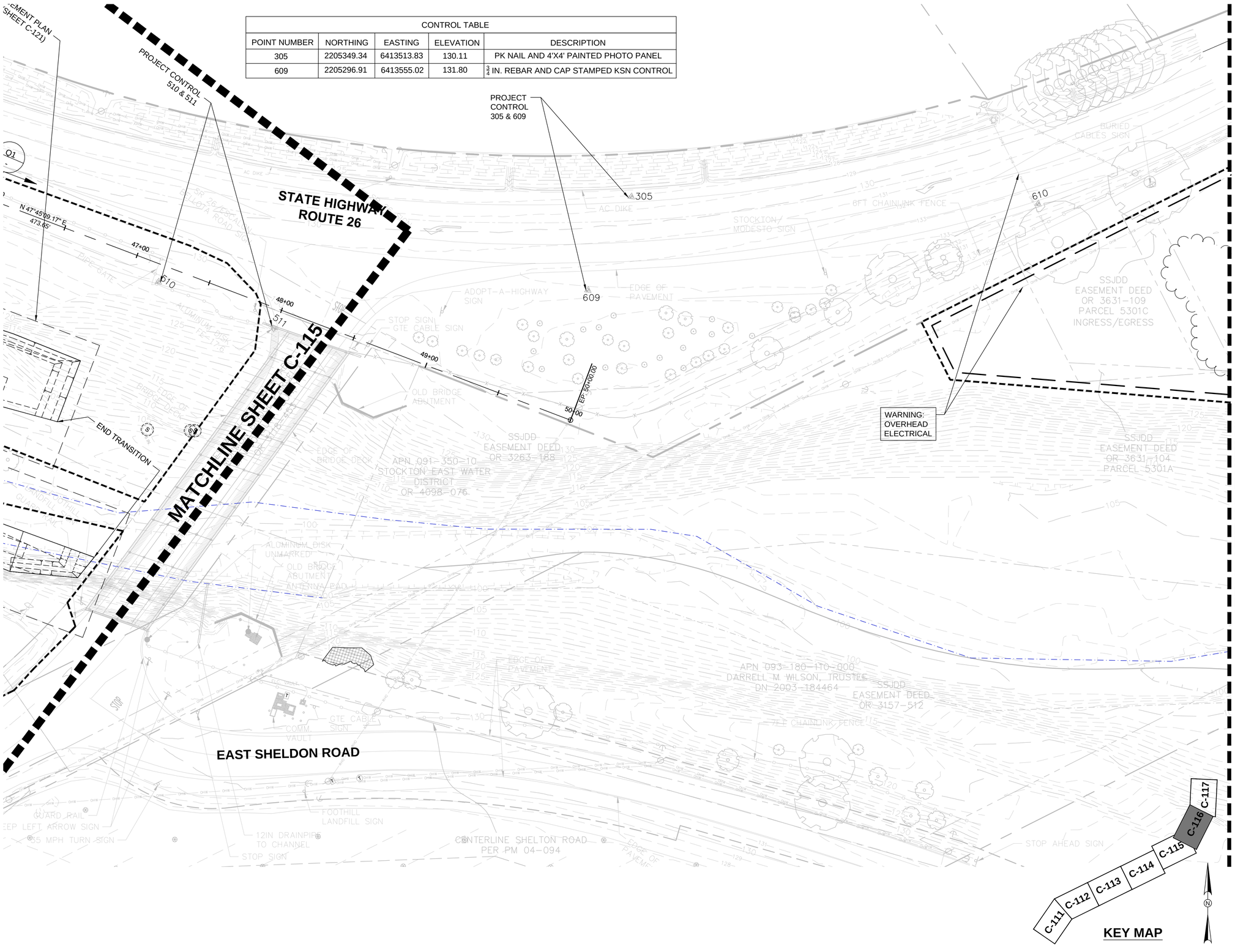
C-115

SHEET 18 of 46

CAD FILE: C:\pwworking\kleinfelderpw01\kleinfelder_kviolette\d0194459\100_C-111_200336_Layout Plan_30sc.dwg LAYOUT: C-115 PLOTTED: 7/31/2020 9:40 AM BY: kurt violette

75% SUBMITTAL

CONTROL TABLE				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
305	2205349.34	6413513.83	130.11	PK NAIL AND 4'X4' PAINTED PHOTO PANEL
609	2205296.91	6413555.02	131.80	$\frac{3}{4}$ IN. REBAR AND CAP STAMPED KSN CONTROL



KEY MAP

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REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

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SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

0 30 60

SCALE: 1" = 60' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
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SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

SITE PREPARATION
AND LAYOUT PLAN

PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-116

SHEET 19 of 46

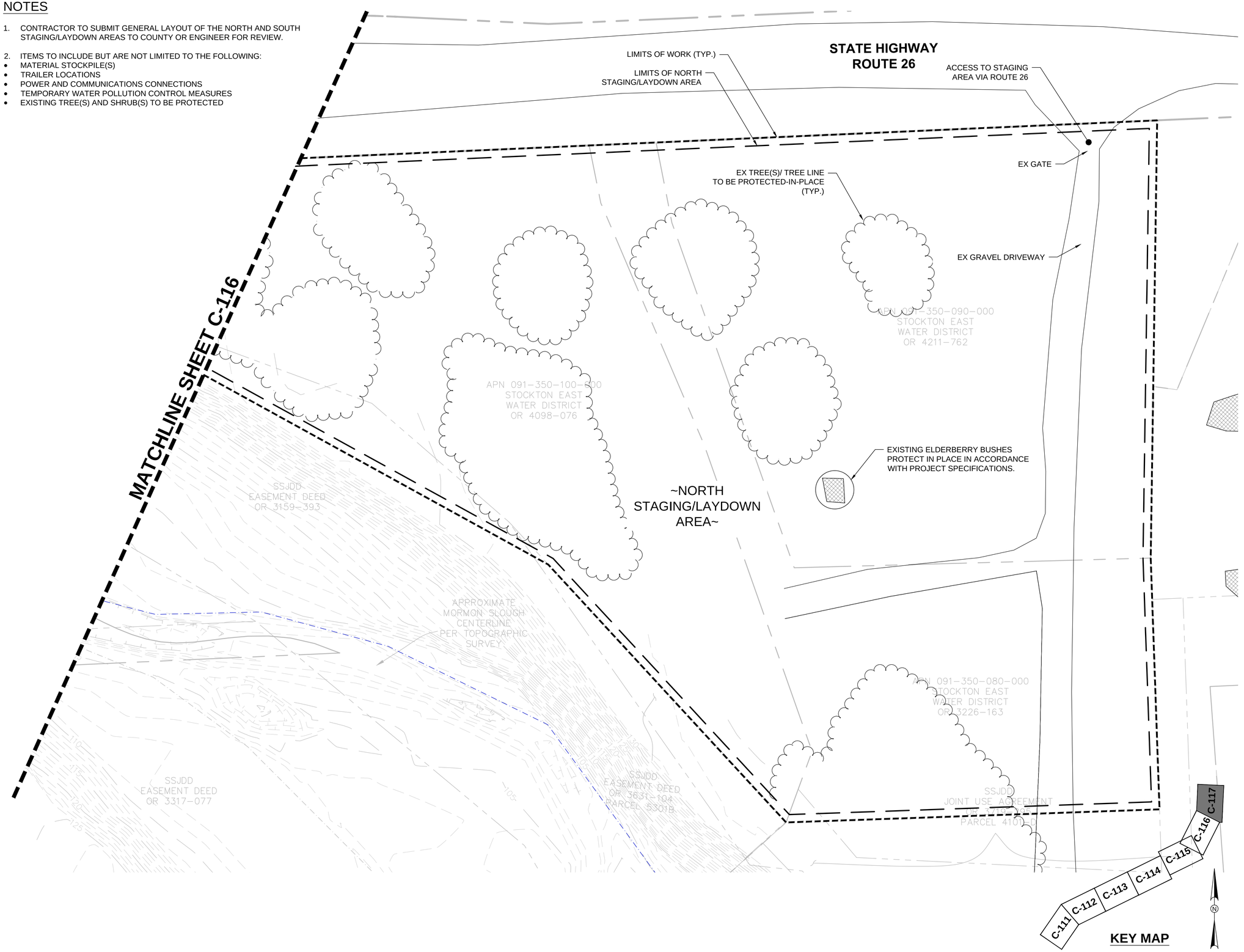
75% SUBMITTAL

CAD FILE: C:\pwworking\kleinfelder\pw01\kleinfelder_kviolette\d0194459\100_C-111_200336_Layout Plan_30sc.dwg LAYOUT: C-116 PLOTTED: 7/31/2020 9:41 AM BY: kurt violette

NOTES

1. CONTRACTOR TO SUBMIT GENERAL LAYOUT OF THE NORTH AND SOUTH STAGING/LAYDOWN AREAS TO COUNTY OR ENGINEER FOR REVIEW.

2. ITEMS TO INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:
- MATERIAL STOCKPILE(S)
- TRAILER LOCATIONS
- POWER AND COMMUNICATIONS CONNECTIONS
- TEMPORARY WATER POLLUTION CONTROL MEASURES
- EXISTING TREE(S) AND SHRUB(S) TO BE PROTECTED



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REVISIONS

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SCALE VERIFICATION

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0 30 60

SCALE: 1" = 60' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
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1810 EAST HAZELTON AVENUE
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FAX NO. (209) 468-2999

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

SITE PREPARATION
AND LAYOUT PLAN

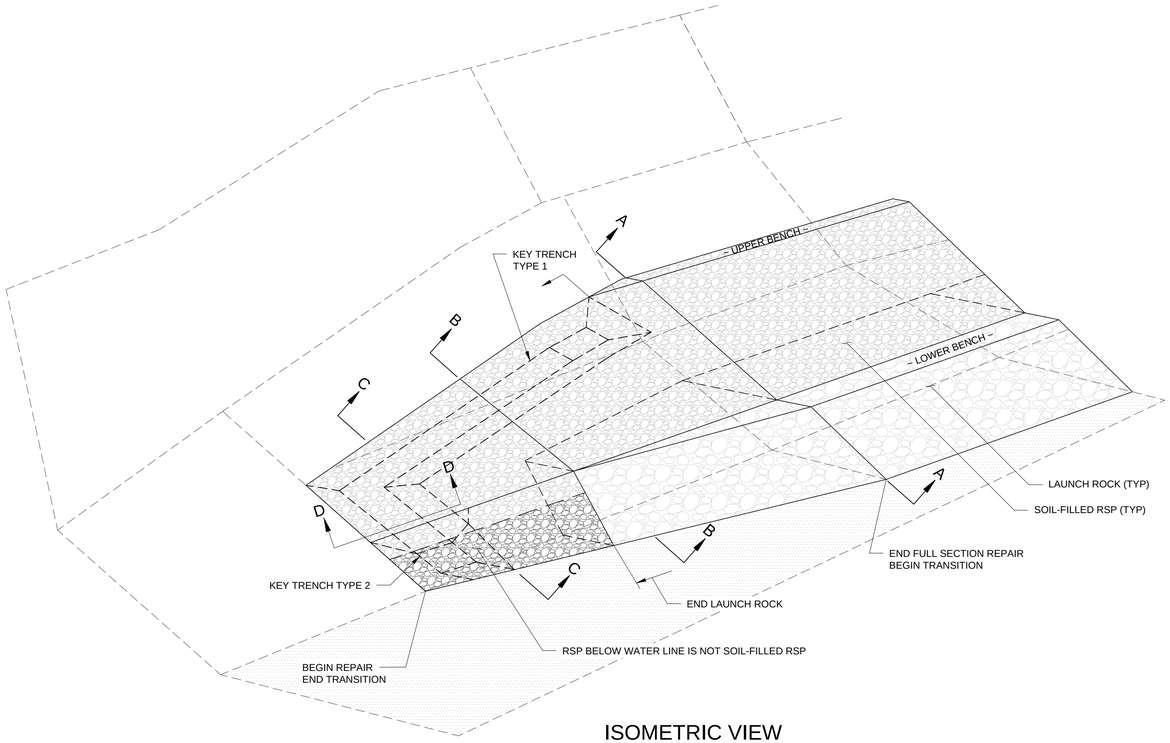
PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-117

SHEET 20 of 46

75% SUBMITTAL

CAD FILE: C:\pwworking\kleinfelderprod1\kleinfelder_kviolette\d0194459109_C-111_200336_Layout Plan_30sc.dwg LAYOUT: C-117 PLOTTED: 7/31/2020 1:05 PM BY: kurt.violette

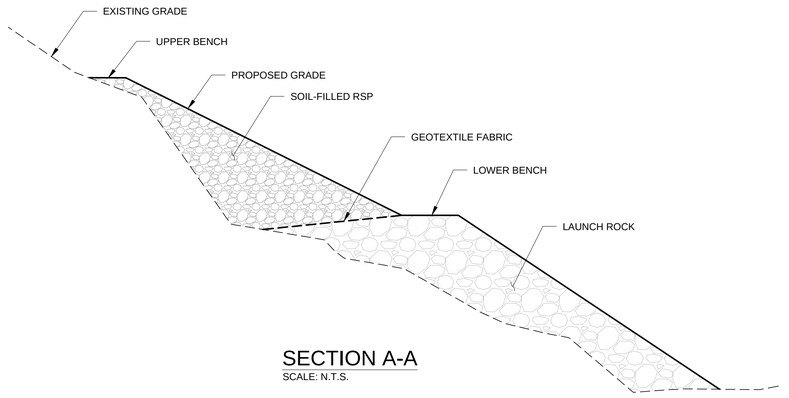


ISOMETRIC VIEW

SCALE: N.T.S.

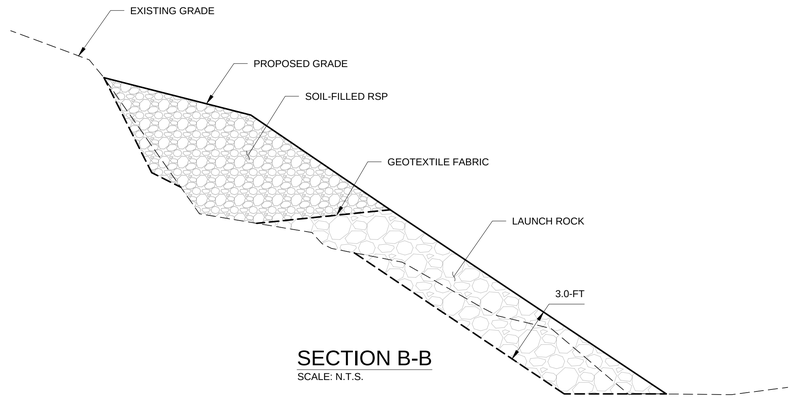
NOTE:

ISOMETRIC VIEW IS FOR INFORMATIONAL PURPOSES ONLY.
SEE PLAN AND SECTIONS FOR CONSTRUCTION DETAILS.



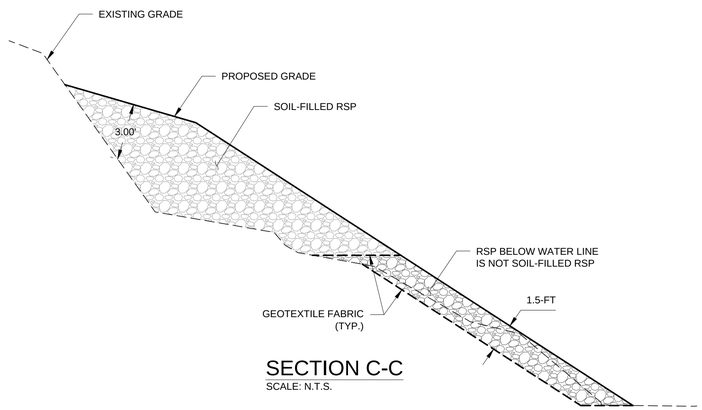
SECTION A-A

SCALE: N.T.S.



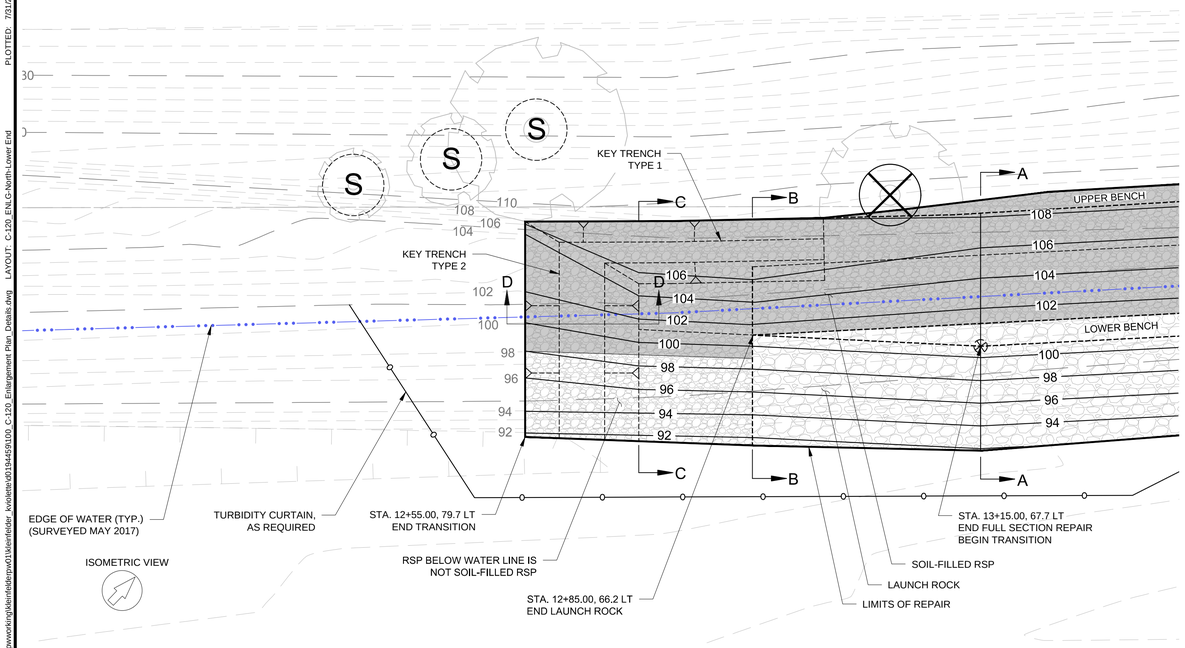
SECTION B-B

SCALE: N.T.S.



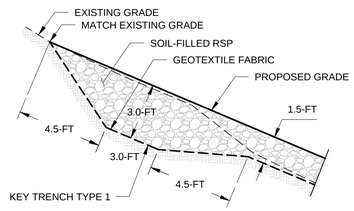
SECTION C-C

SCALE: N.T.S.



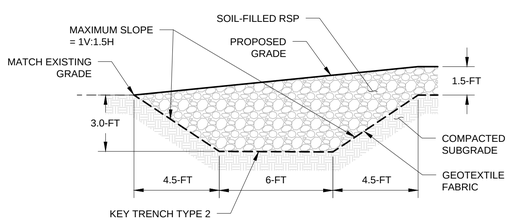
PLAN

SCALE: 1"=10'



KEY TRENCH TYPE 1

SCALE: N.T.S.



KEY TRENCH TYPE 2 (SECTION D-D)

SCALE: N.T.S.

KLEINFELDER
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REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

DRAFT
NOT FOR
CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

0 10 20

SCALE: 1" = 10' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
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SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

ENLARGEMENT PLAN & DETAILS
NORTH SIDE / LOWER END

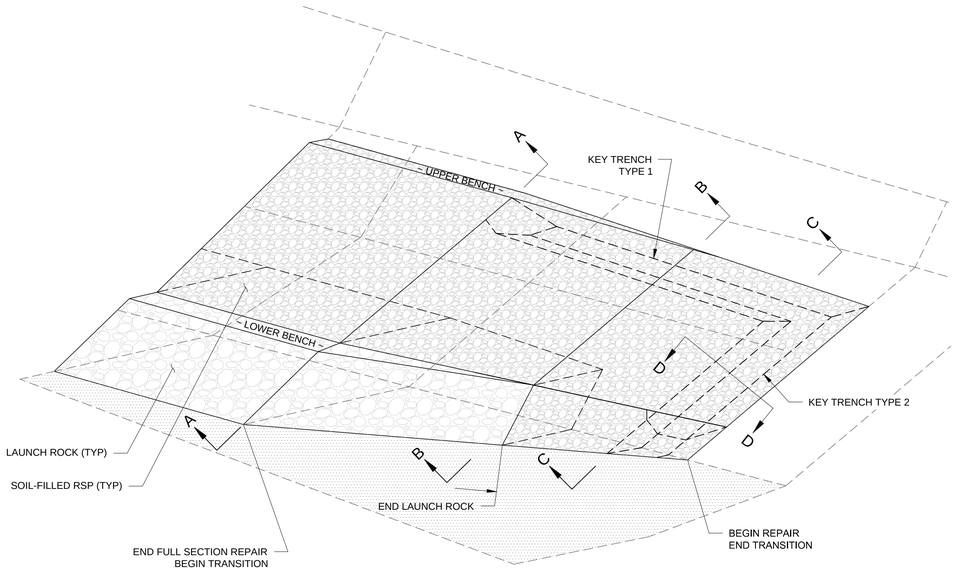
PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-120

SHEET 21 of 46

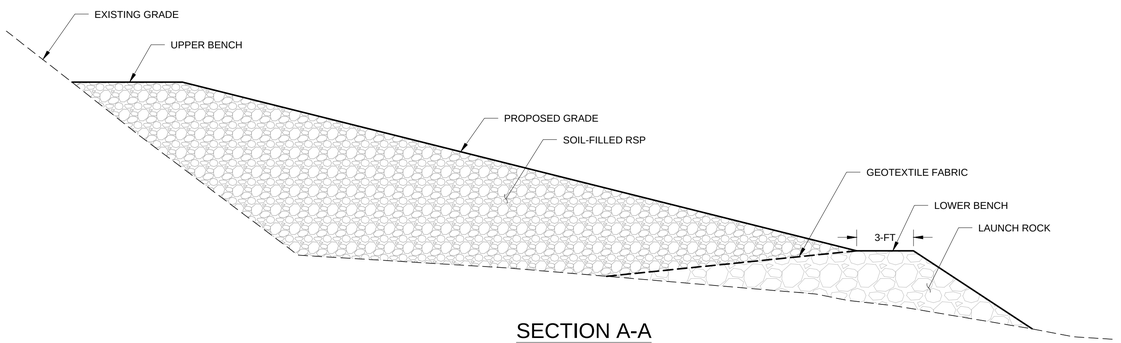
75% SUBMITTAL

PLOTTED: 7/31/2020 2:26 PM BY: kurt violette
CAD FILE: C:\pw\working\kleinfelder\pw01\kleinfelder_kviolette\d0194459\l100_C-120_Enlargement Plan_Details.dwg LAYOUT: C-120_ENLG-North-Lower End

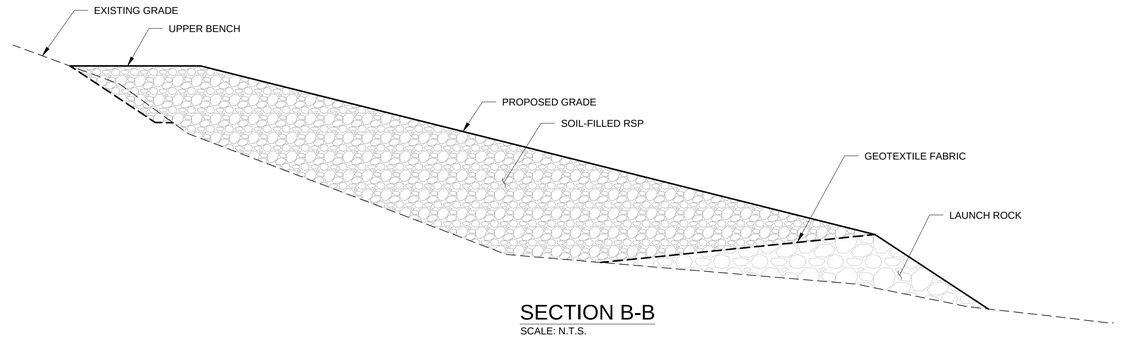


ISOMETRIC VIEW
SCALE: N.T.S.

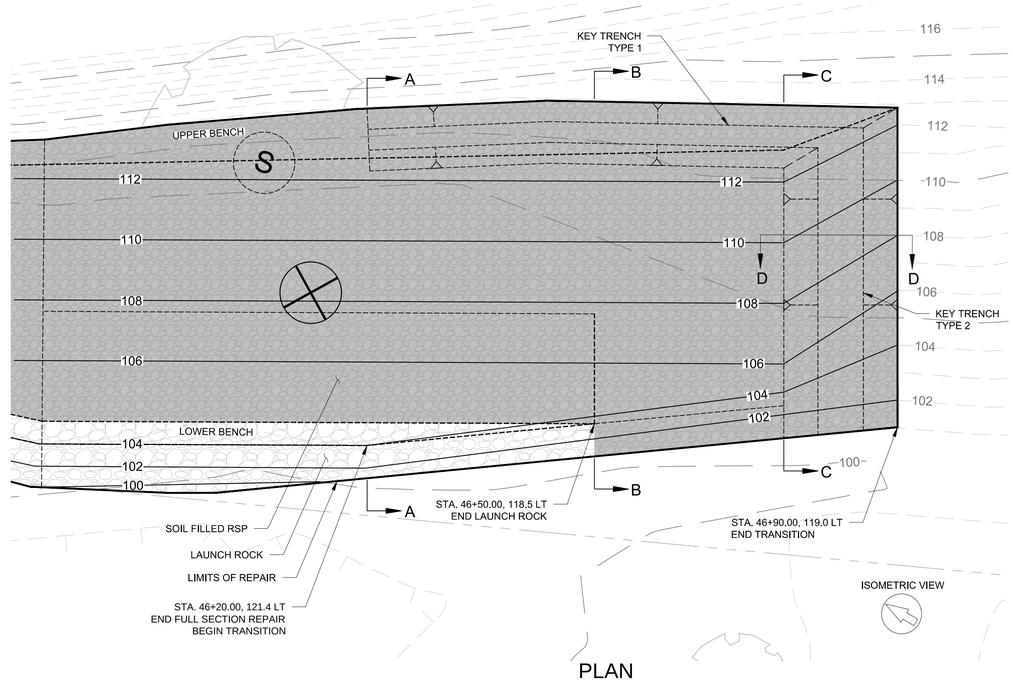
NOTE:
ISOMETRIC VIEW IS FOR INFORMATIONAL PURPOSES ONLY.
SEE PLAN AND SECTIONS FOR CONSTRUCTION DETAILS.



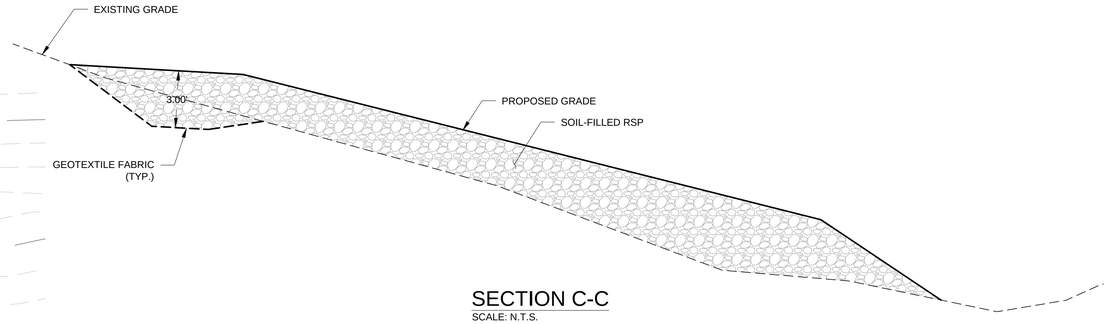
SECTION A-A
SCALE: N.T.S.



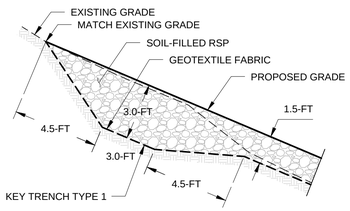
SECTION B-B
SCALE: N.T.S.



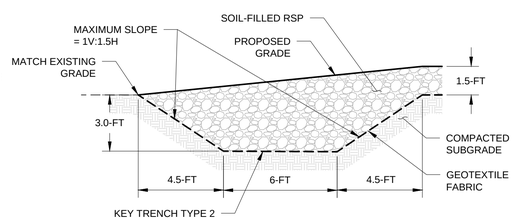
PLAN
SCALE: 1"=10'



SECTION C-C
SCALE: N.T.S.



KEY TRENCH TYPE 1
SCALE: N.T.S.



KEY TRENCH TYPE 2
(SECTION D-D)
SCALE: N.T.S.

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REVISIONS

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DRAFT
NOT FOR
CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

0 10 20
SCALE: 1" = 10' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
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FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

ENLARGEMENT PLAN & DETAILS
NORTH SIDE / UPPER END

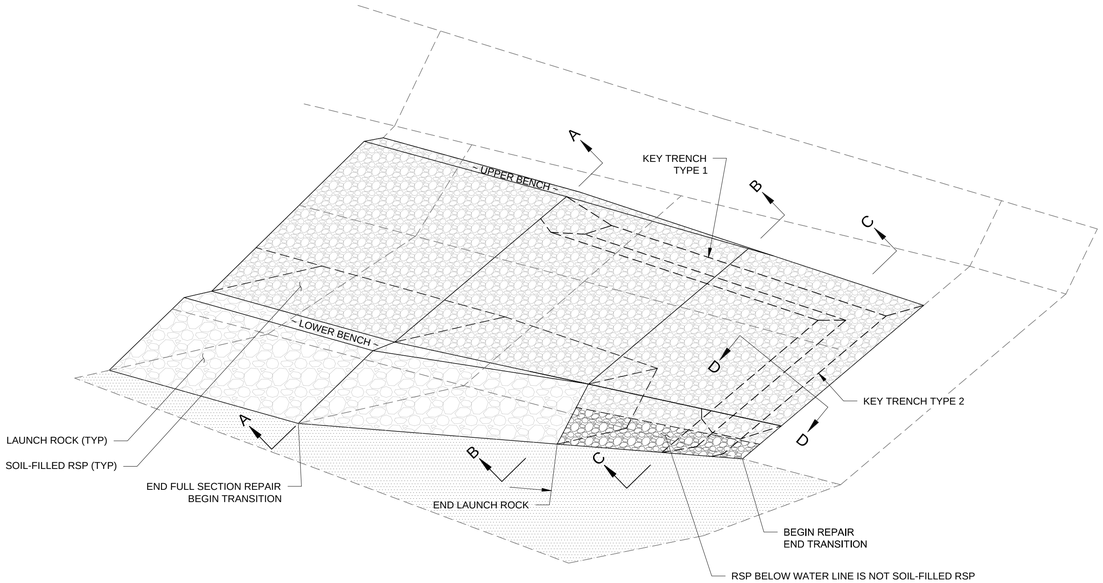
PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-121

SHEET 22 of 46

75% SUBMITTAL

PLOTTED: 7/31/2020 2:33 PM BY: kurt violette
LAYOUT: C-121_ENLG-North-Upper End
CAD FILE: C:\pw\working\kleinfelder\pw031\kleinfelder_kvioletx-v031#459\g\100_C-120_Enlargement Plan_Details.dwg

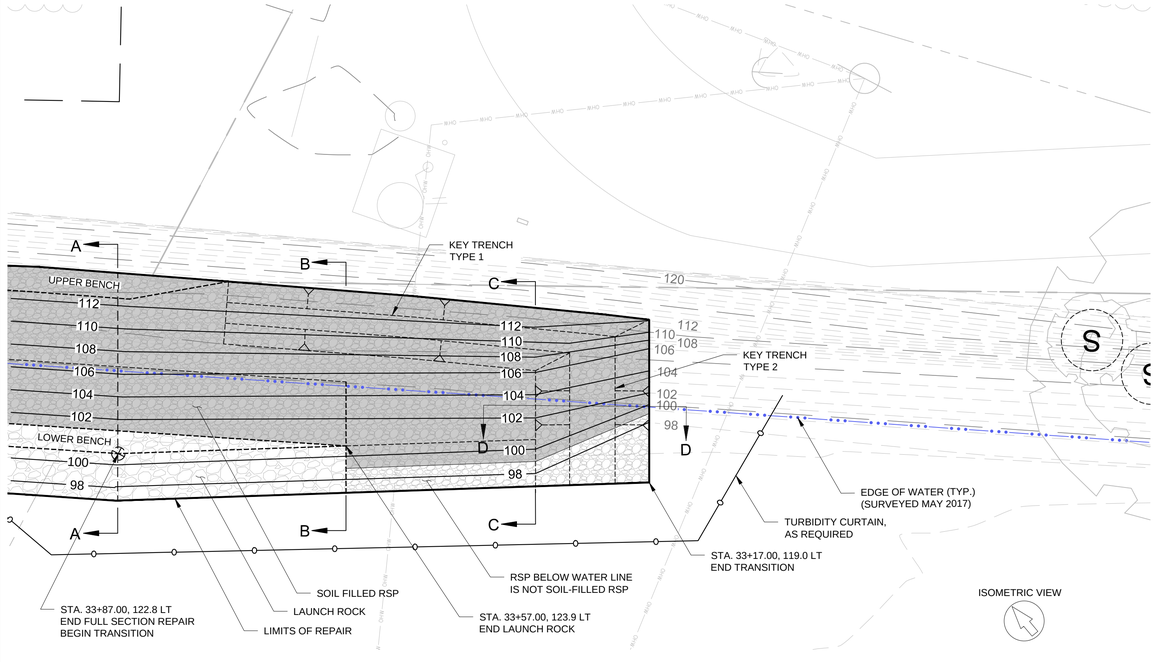


ISOMETRIC VIEW

SCALE: N.T.S.

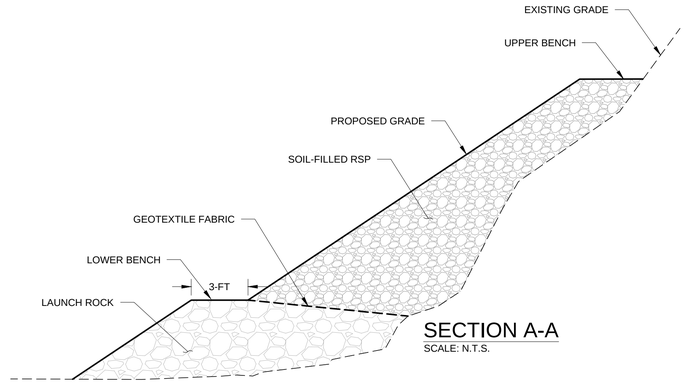
NOTE:

ISOMETRIC VIEW IS FOR INFORMATIONAL PURPOSES ONLY.
SEE PLAN AND SECTIONS FOR CONSTRUCTION DETAILS.



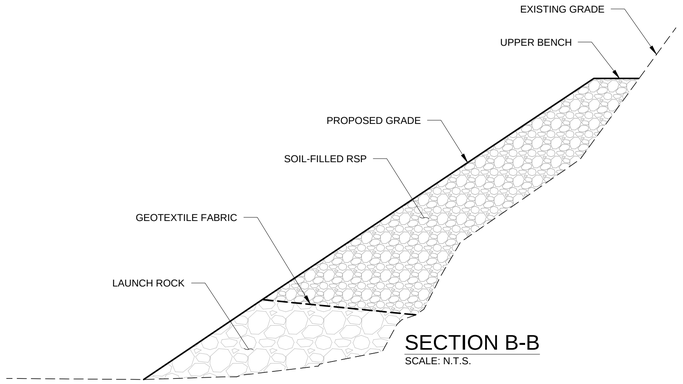
PLAN

SCALE: 1"=10'



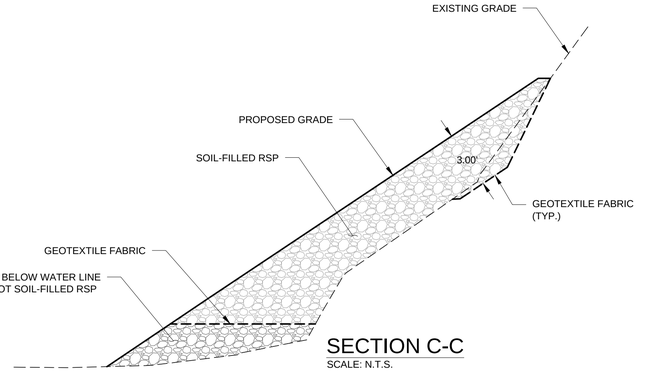
SECTION A-A

SCALE: N.T.S.



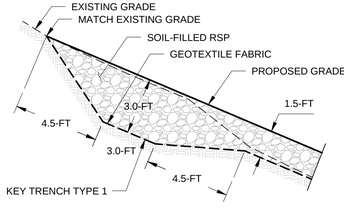
SECTION B-B

SCALE: N.T.S.



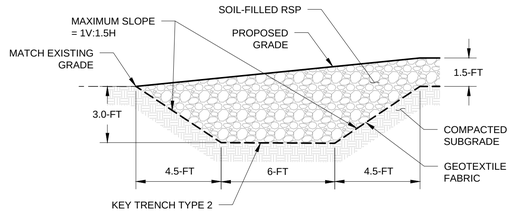
SECTION C-C

SCALE: N.T.S.



KEY TRENCH TYPE 1

SCALE: N.T.S.



KEY TRENCH TYPE 2 (SECTION D-D)

SCALE: N.T.S.

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Phone: 209-948-1345
www.kleinfelder.com

REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

DRAFT
NOT FOR
CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

0 10 20

SCALE: 1" = 10' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

ENLARGEMENT PLAN & DETAILS
SOUTH SIDE / LOWER END

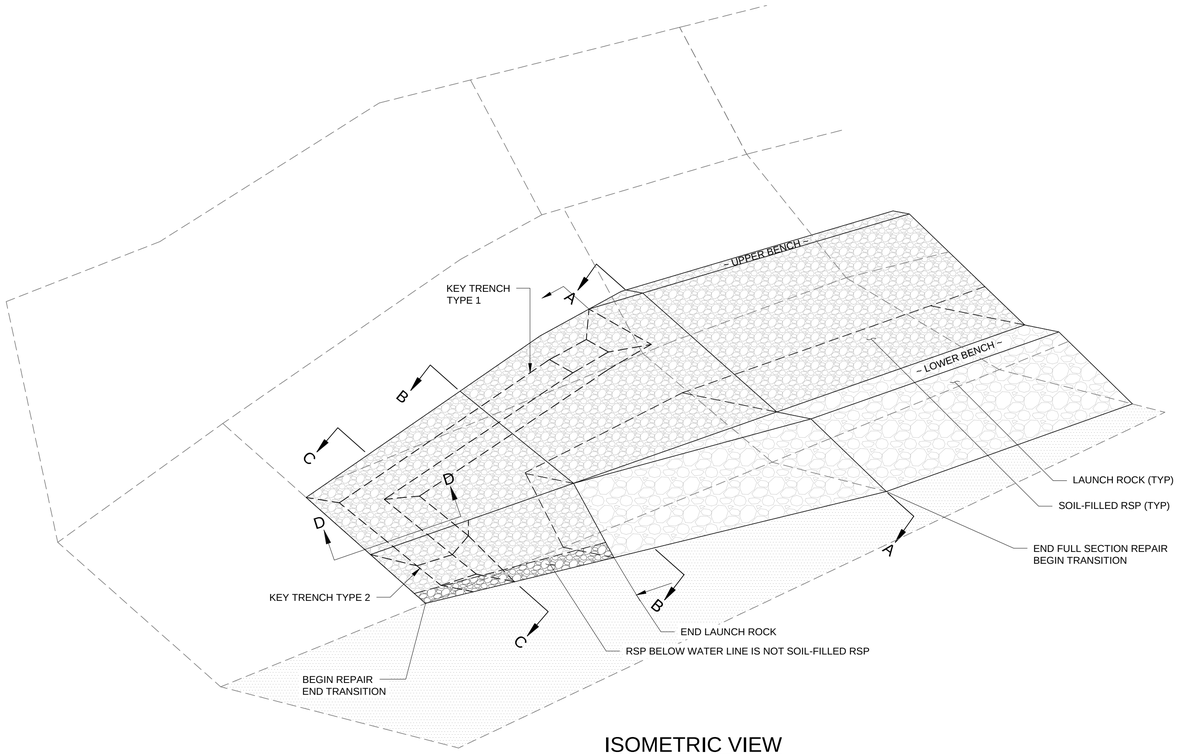
PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-122

SHEET 23 of 46

75% SUBMITTAL

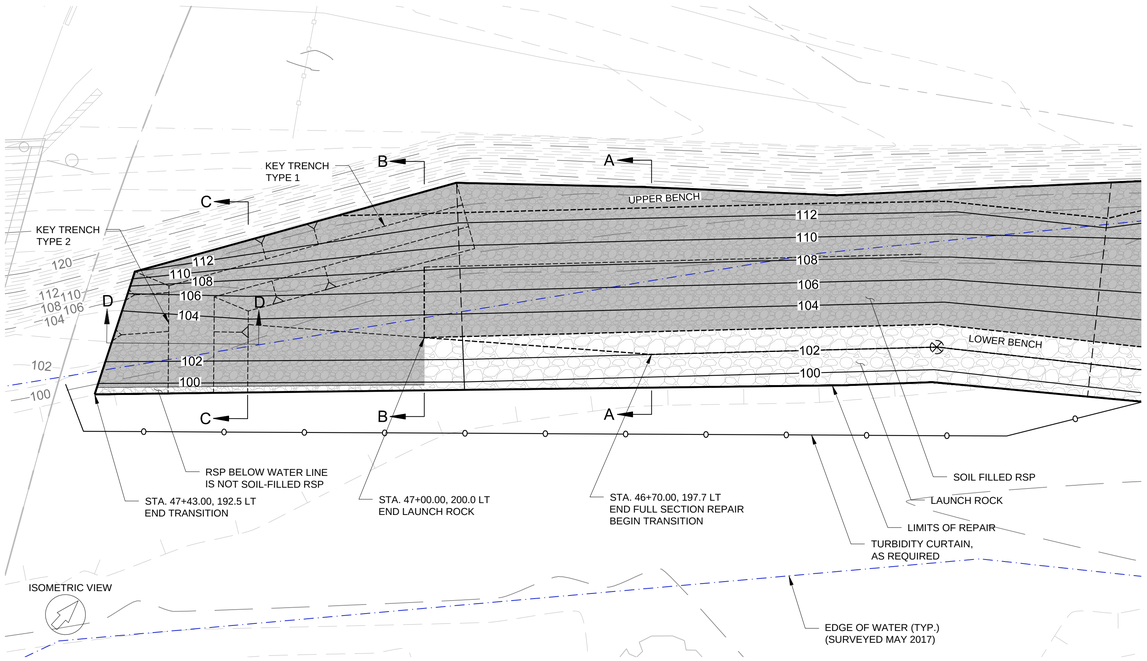
PLOTTED: 7/31/2020 2:24 PM BY: kurt.violette
CAD FILE: C:\pw\work\gk\kleinfelder\pw01\kleinfelder_kviolette\d0191445\d0100_C120_Enlargement Plan_Details.dwg LAYOUT: C-122_ENLG-South-Lower End



ISOMETRIC VIEW

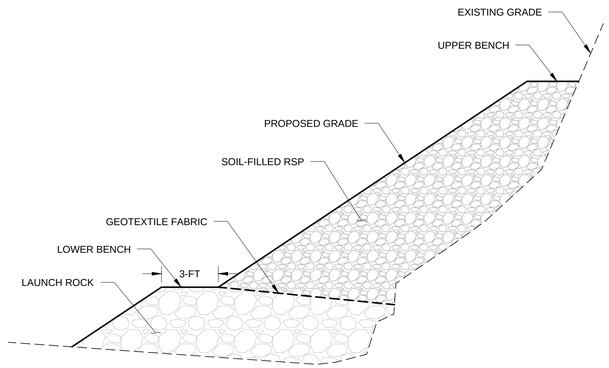
SCALE: N.T.S.

NOTE:
ISOMETRIC VIEW IS FOR INFORMATIONAL PURPOSES ONLY.
SEE PLAN AND SECTIONS FOR CONSTRUCTION DETAILS.



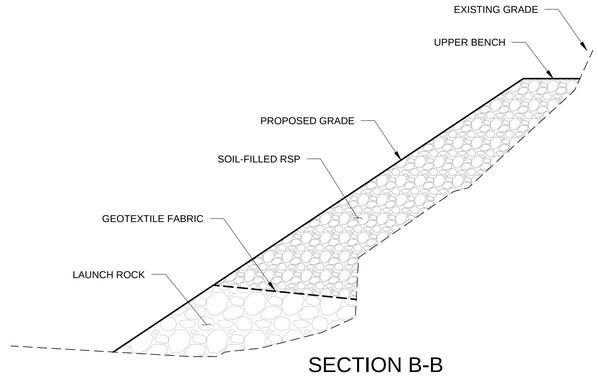
PLAN

SCALE: 1"=10'



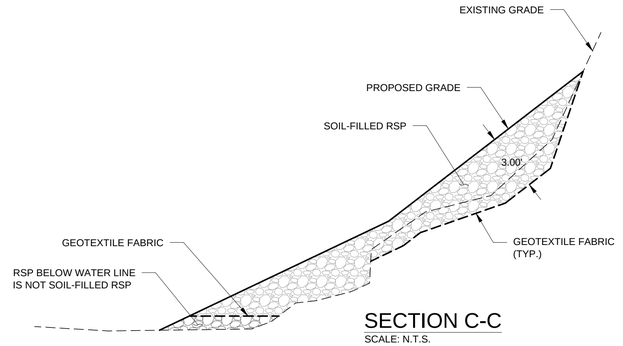
SECTION A-A

SCALE: N.T.S.



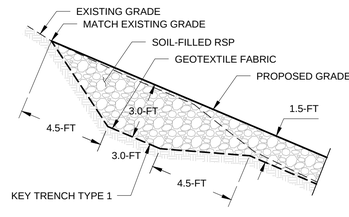
SECTION B-B

SCALE: N.T.S.



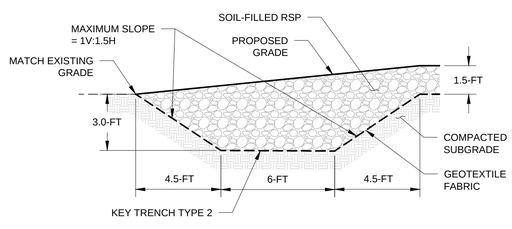
SECTION C-C

SCALE: N.T.S.



KEY TRENCH TYPE 1

SCALE: N.T.S.



KEY TRENCH TYPE 2 (SECTION D-D)

SCALE: N.T.S.

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REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

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NOT FOR
CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

0 10 20
SCALE: 1" = 10' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

ENLARGEMENT PLAN & DETAILS
SOUTH SIDE / UPPER END

PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-123

SHEET 24 of 46

75% SUBMITTAL

CAD FILE: C:\pwworking\kleinfelderpw01\kleinfelder_kviolette\d0194459\100_C-120_Enlargement Plan_Details.dwg LAYOUT: C-123_ENLG-South-Upper End
PLOTTED: 7/31/2020 2:37 PM BY: kurt violette

NOTES:

1. SEED MUST BE APPLIED ON ALL EXPOSED SOIL-FILLED RSP. SEED DISTURBED AREAS OUTSIDE AND INSIDE THE LIMITS OF THE WORK TO MATCH EXISTING CONDITIONS. REFER TO PROJECT SPECIFICATIONS.
2. DISTURBED PAVED ROADWAY(S) MUST BE REPAIRED. REFER TO PROJECT SPECIFICATIONS.
3. DISTURBED GRAVEL ROADWAY MUST BE REPAIRED WITH A MINIMUM 6" LAYER OF CLASS II AB WITHIN THE TRAVELED WAY OR EXISTING, WHICHEVER IS GREATER. REFER TO PROJECT SPECIFICATIONS.
4. SIX (6) INCHES OF AGRICULTURAL SOIL, SEEDING AND EROSION CONTROL FABRIC MUST BE APPLIED ON ALL EARTHFILL REPAIRED SLOPES. EARTHFILL REPAIRED SLOPES ARE BASED ON LOCATIONS OF TEMPORARY CONSTRUCTION ACCESS RAMPS, TO BE LOCATED BY THE CONTRACTOR. REFER TO PROJECT SPECIFICATIONS.

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REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

DRAFT
NOT FOR
CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

0 250 500

SCALE: 1" = 250' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

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FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
1810 EAST HAZELTON AVENUE
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FAX NO. (209) 468-2999

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FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

OVERALL SEEDING AND RESTORATION PLAN

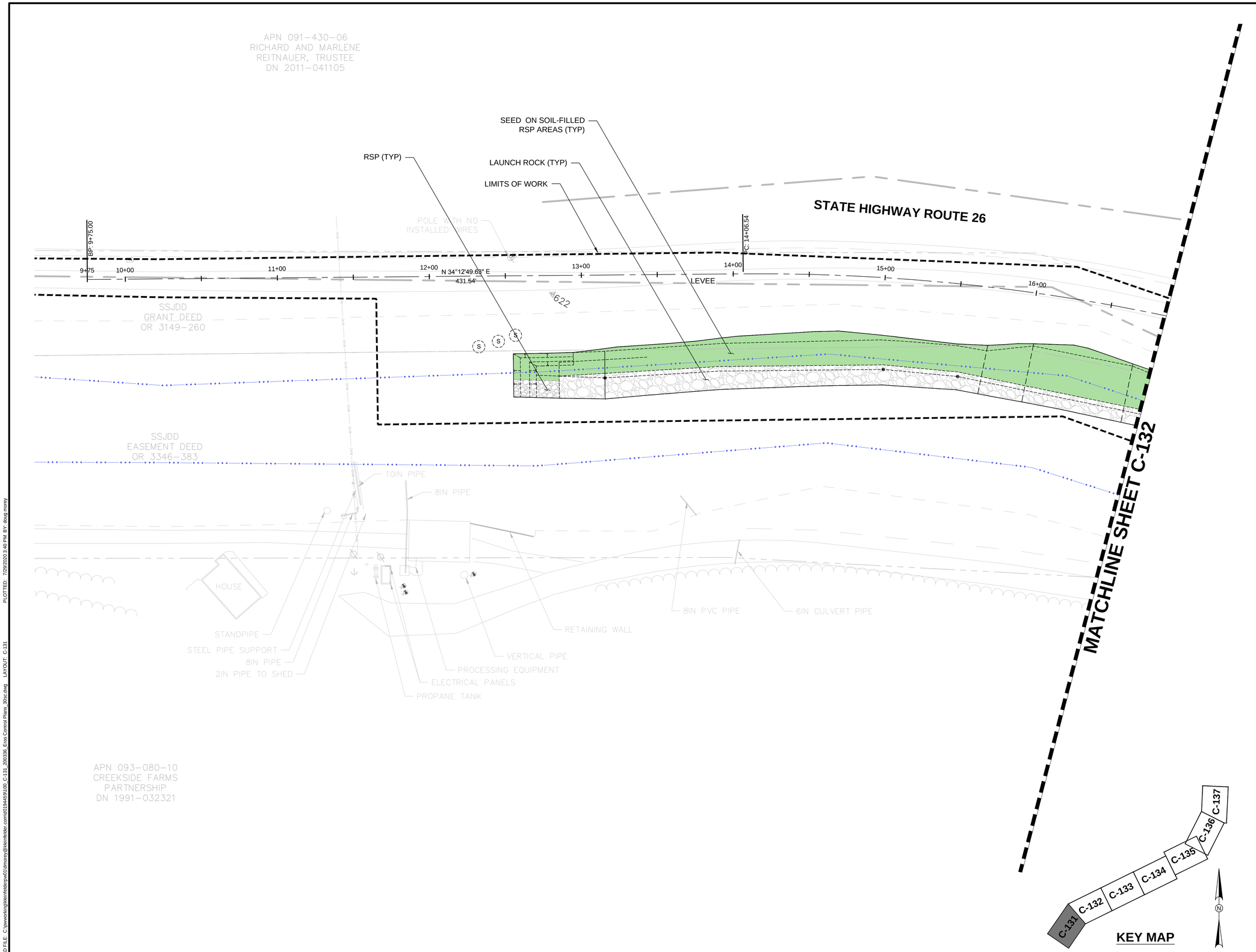
PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-130

SHEET 25 of 46

75% SUBMITTAL

CAD FILE: C:\pwworking\kleinfelder\pw01\kleinfelder_kviolette\d0194459\100_C-131_200336_Eros Control Plans_30sc.dwg LAYOUT: C-130 PLOTTED: 7/31/2020 2:53 PM BY: kurt violette



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Phone: 209-948-1345
www.kleinfelder.com

REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

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CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

0 30 60

SCALE: 1" = 30' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

SEEDING AND RESTORATION PLAN

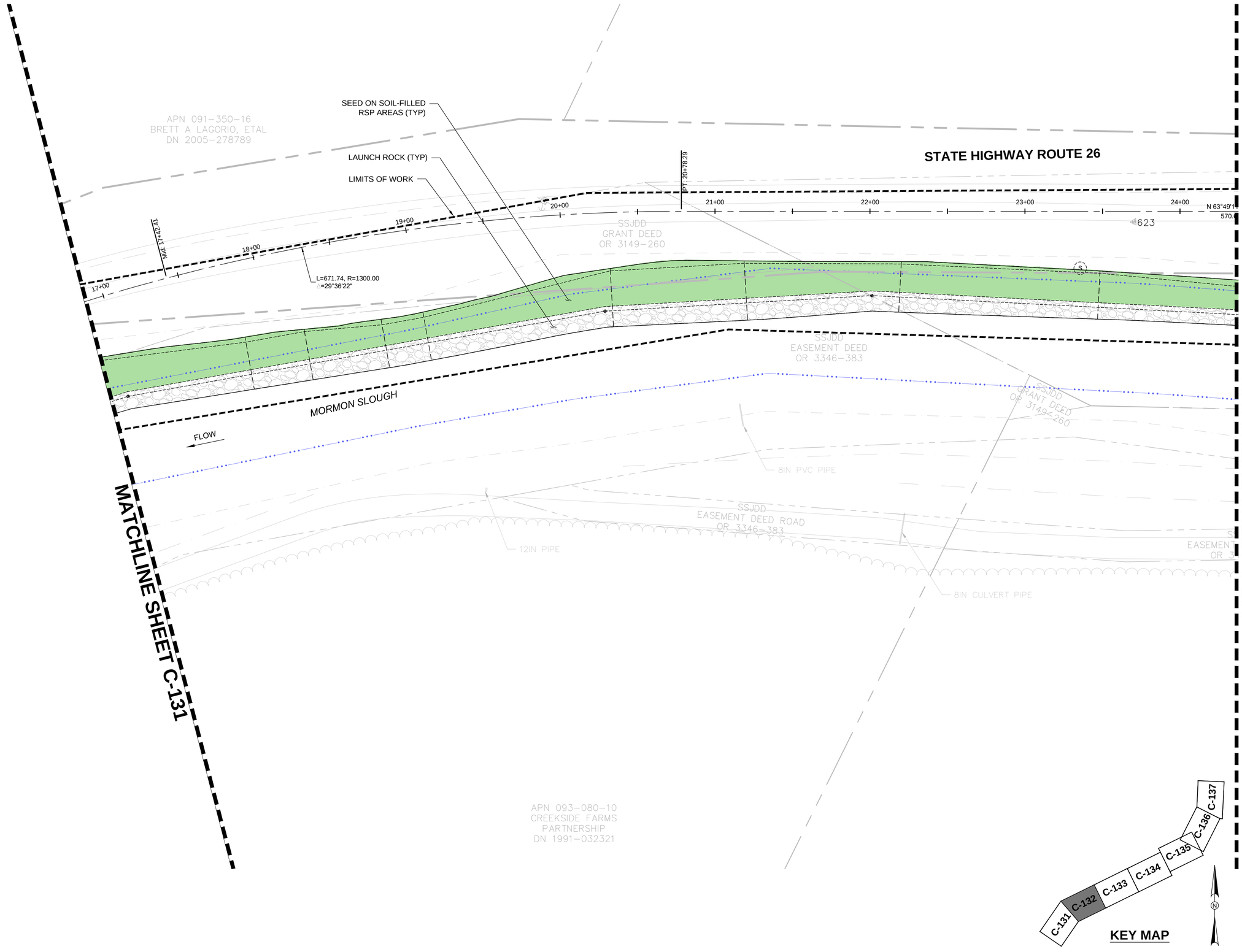
PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-131

SHEET 26 of 46

CAD FILE: C:\pwworking\kleinfelderpw01\dmorey@kleinfelder.com\d0194459\100_C-131_200336_Eros Control Plans_30sc.dwg LAYOUT: C-131 PLOTTED: 7/29/2020 3:40 PM BY: doug morey

75% SUBMITTAL



KLEINFELDER
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Phone: 209-948-1345
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REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

DRAFT
NOT FOR
CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

0 30 60

SCALE: 1" = 30' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
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STOCKTON, CALIFORNIA 95201
TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

SEEDING AND RESTORATION PLAN

PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-132

SHEET 27 of 46

75% SUBMITTAL

CAD FILE: C:\pwworking\kleinfelderpw01\dmorey@kleinfelder.com\d0194459\100_C-131_200336_Eros Control Plans_30sc.dwg LAYOUT: C-132 PLOTTED: 7/29/2020 3:41 PM BY: doug morey

APN 091-350-30
THOMAS G. WATKINS,
TRUSTEES
DN 2015-084128

SEED ON SOIL-FILLED
RSP AREAS (TYP)

LAUNCH ROCK (TYP)

LIMITS OF WORK

DRAINAGE PIPE
LOCATION APPROX

STATE HIGHWAY ROUTE 26

P.I. 25+48.89

25+00 26+00 27+00 28+00 29+00 30+00 31+00 32+00

35" E

LEVEE

N 62°24'33.58" E
1723.20'

624

EASEMENT DEED
OR 3283-188

FLOW

MORMON SLOUGH

4IN PVC PIPE

SSJDD
EASEMENT DEED
OR 3412-141

SHED

SHED

SSJDD
EASEMENT DEED
OR 3412-141

DD
DEED ROAD
2-141

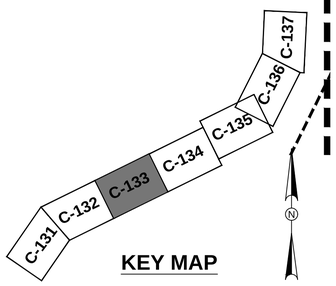
ELECTRICAL SWITCH

NUT PROCESSING EQUIPMENT

APN 093-080-08
CREEKSIDE FARMS
PARTNERSHIP
DN 1991-032321

MATCHLINE SHEET C-132

MATCHLINE SHEET C-134



KEY MAP

KLEINFELDER
Bright People. Right Solutions.

2001 Arch-Airport Road, Suite 100
Stockton, CA 95206
Phone: 209-948-1345
www.kleinfelder.com

REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

DRAFT
NOT FOR
CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

0 30 60

SCALE: 1" = 30' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

SEEDING AND RESTORATION PLAN

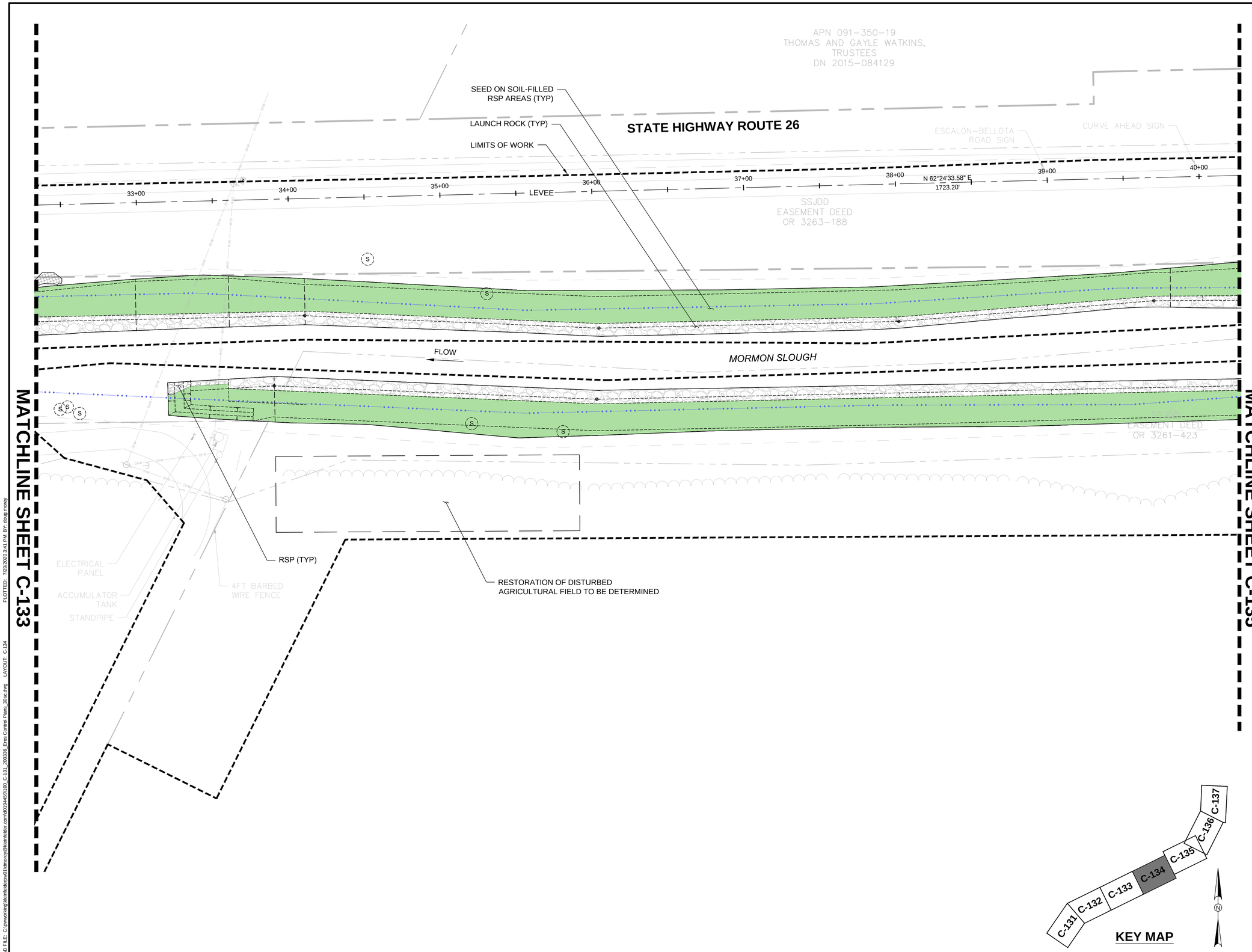
PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-133

SHEET 28 of 46

75% SUBMITTAL

CAD FILE: C:\pwworking\kleinfelderpw01\dmorey@kleinfelder.com\d0194591\00_C-131_20033b_Eres Central Plains_30sc.dwg LAYOUT: C-133
PLOTTED: 7/29/2020 3:41 PM BY: doug morey



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REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

DRAFT
NOT FOR
CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

0 30 60

SCALE: 1" = 30' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

SEEDING AND RESTORATION PLAN

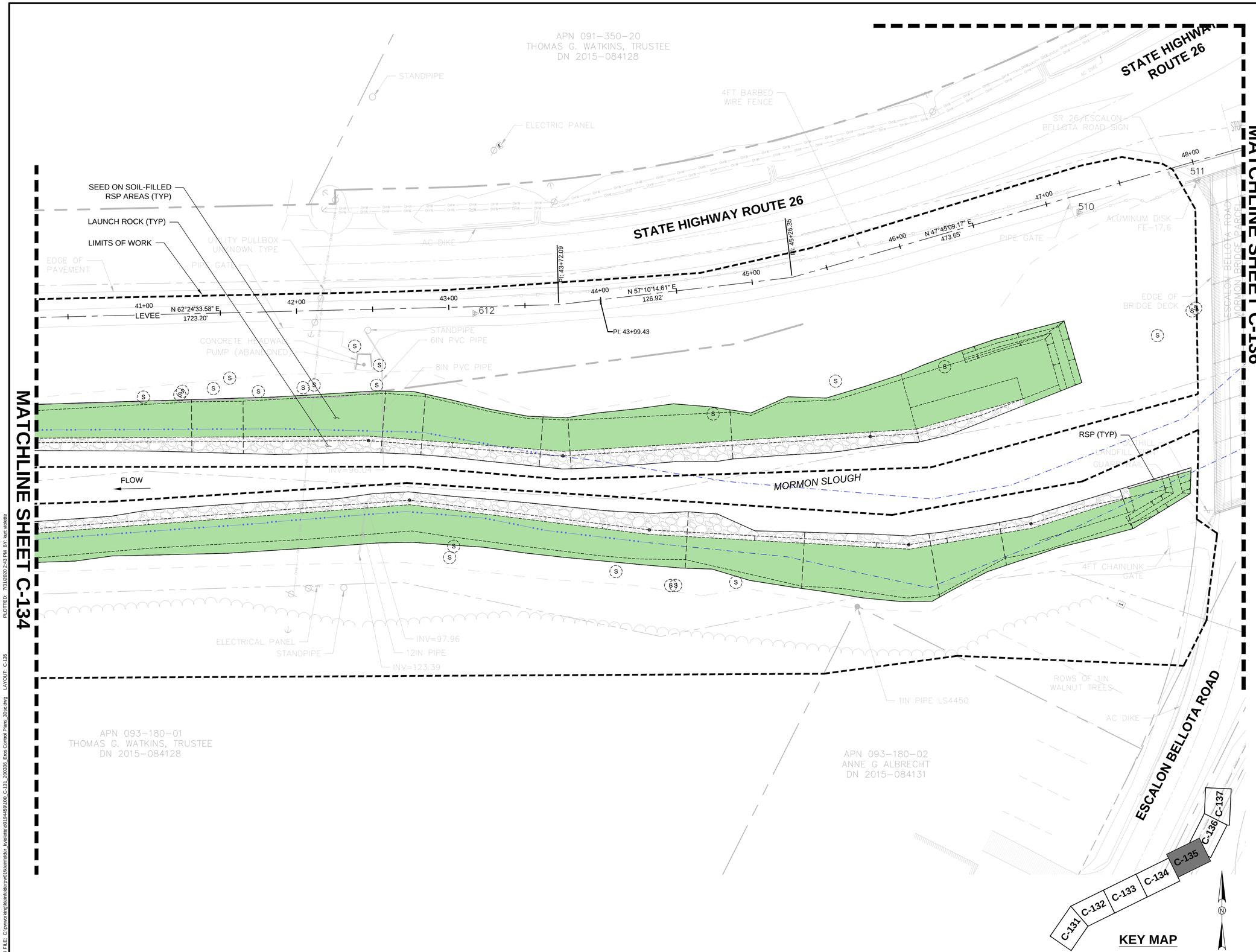
PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-134

SHEET 29 of 46

75% SUBMITTAL

CAD FILE: C:\pwworking\kleinfelderpw01\dmoney@kleinfelder.com\d0194459\100_C-131_200336_Eros Control Plans_30sc.dwg LAYOUT: C-134 PLOTTED: 7/29/2020 3:41 PM BY: doug.money



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Phone: 209-948-1345
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REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

DRAFT
NOT FOR
CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

0 30 60

SCALE: 1" = 30' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

SEEDING AND RESTORATION PLAN

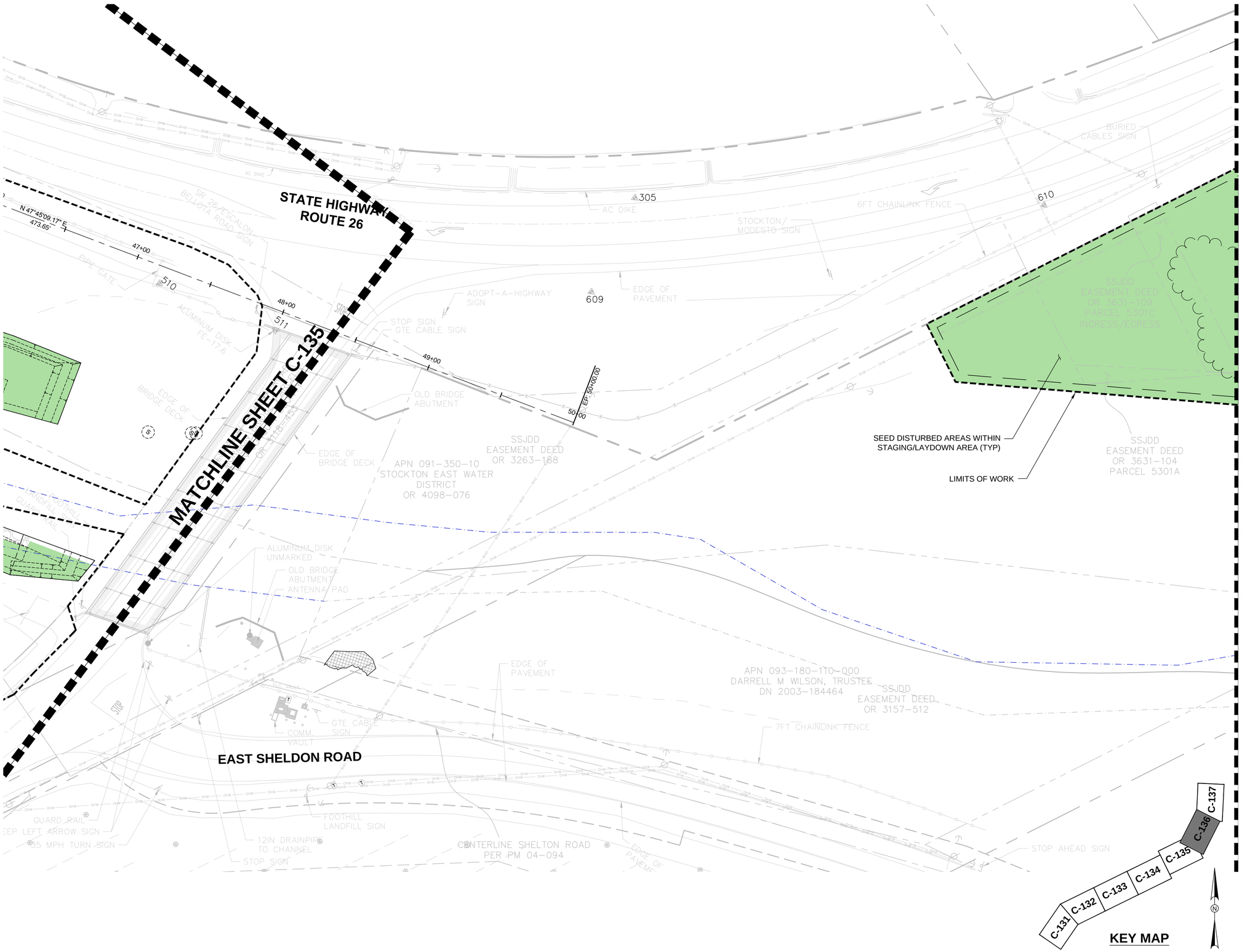
PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-135

SHEET 30 of 46

75% SUBMITTAL

CAD FILE: C:\pwworking\kleinfelderpw01\kleinfelder_kviolette\d0194459\100_C-131_200336_Eros Control Plans_30sc.dwg LAYOUT: C-135 PLOTTED: 7/31/2020 2:43 PM BY: kurt violette



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REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

DRAFT
NOT FOR
CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

0 30 60

SCALE: 1" = 60' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

SEEDING AND RESTORATION PLAN

PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-136

SHEET 31 of 46

75% SUBMITTAL

CAD FILE: C:\pwworking\kleinfelderpw01\kleinfelder_kviolette\d0194459\100_C-131_200336_Eros Control Plans_30sc.dwg LAYOUT: C-136 PLOTTED: 7/31/2020 10:39 AM BY: kurt violette

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REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

DRAFT
NOT FOR
CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

0 30 60

SCALE: 1" = 60' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
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FAX NO. (209) 468-2999

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

SEEDING AND RESTORATION PLAN

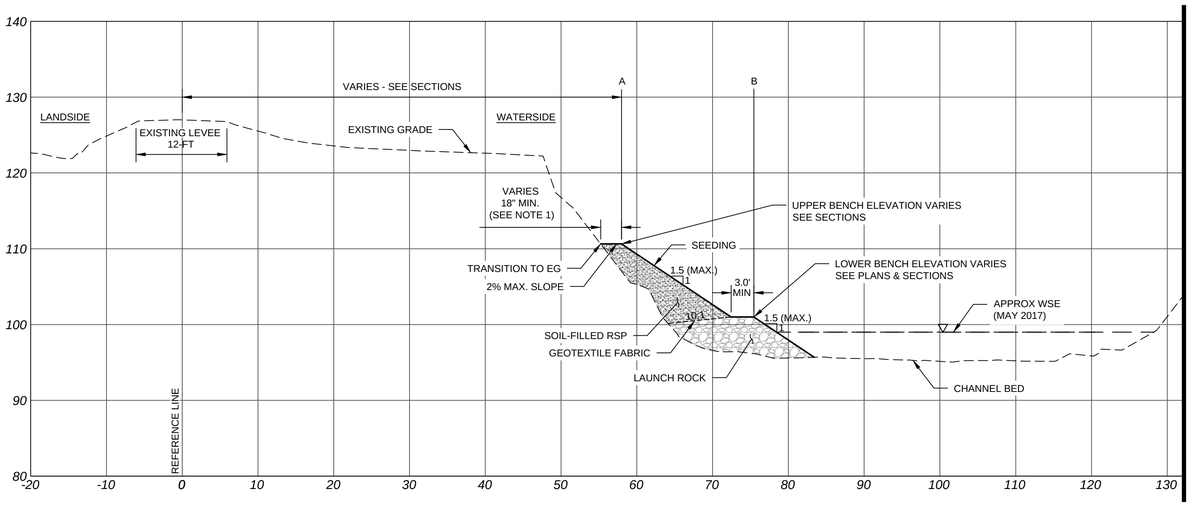
PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-137

SHEET 32 of 46

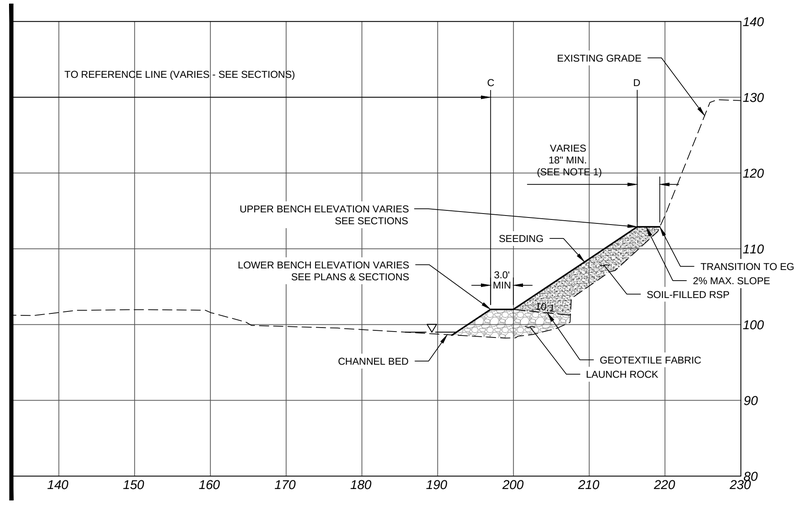
75% SUBMITTAL

CAD FILE: C:\pwworking\kleinfelderprod1\kevinfelder_kviolette\d0194459\109_C-131_200336_Erio Control Plans_30sc.dwg LAYOUT: C-137 PLOTTED: 7/31/2020 10:49 AM BY: kurt violette



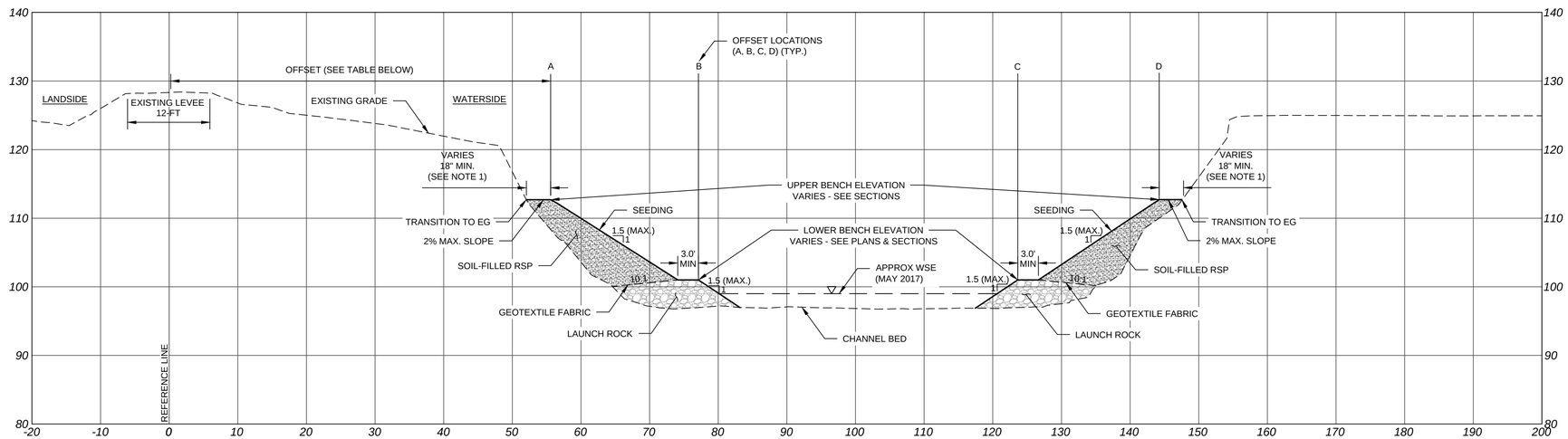
TYPICAL SECTION
(STA. 13+15.00 TO 33+17.00)

SCALE: 1"=10' (H), 1"=10' (V)



TYPICAL SECTION
(STA. 46+90.00 TO 46+70.00)

SCALE: 1"=10' (H), 1"=10' (V)



TYPICAL SECTION
(STA. 33+17.00 TO 46+90.00)

SCALE: 1"=10' (H), 1"=10' (V)

NOTES:

1. UPPER BENCH WIDTH TO BE INCREASED AS NECESSARY TO PROVIDE A MINIMUM 18-INCH DEPTH OF SOIL-FILLED RSP, OR TO WIDTH NOTED ON PLANS, OR AS DIRECTED.
2. SOIL-FILLED ROCK SLOPE PROTECTION (RSP) MUST HAVE AGRICULTURAL SOIL IN THE INTERSTICES OF THE ROCK SLOPE PROTECTION STONE.
3. GEOTEXTILE FABRIC, MUST BE PLACED AS A SEPARATOR AT THE INTERFACE BETWEEN SOIL-FILLED RSP AND LAUNCH ROCK.
4. SEEDING MUST BE APPLIED ON ALL EXPOSED SOIL-FILLED RSP.
5. SIX (6) INCHES OF AGRICULTURAL SOIL, SEEDING AND EROSION CONTROL FABRIC MUST BE APPLIED ON ALL EARTHFILL REPAIRED SLOPES.
6. ALL CROSS SECTION OFFSETS ARE MEASURED PERPENDICULAR TO THE REFERENCE LINE UNLESS OTHERWISE NOTED.
7. SEE PROJECT SPECIFICATIONS FOR THE FOLLOWING MATERIALS:
   - STONE FOR SOIL-FILLED ROCK SLOPE PROTECTION
   - AGRICULTURAL SOIL
   - LAUNCH ROCK
   - GEOTEXTILE FABRIC
   - EROSION CONTROL FABRIC
   - EARTHFILL

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REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

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CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

0 10 20

SCALE: 1" = 10' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

TYPICAL SECTIONS

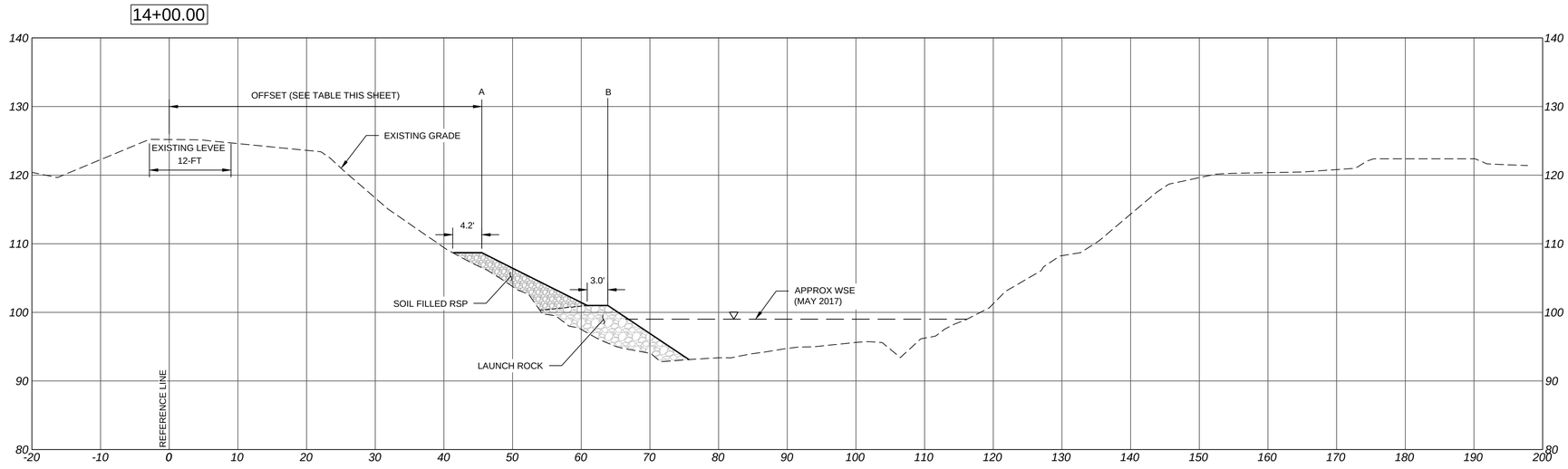
PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-300

SHEET 33 of 46

75% SUBMITTAL

CAD FILE: C:\pwworking\kleinfelderpw\d0194459309\C-300_20033E_Typical Section.dwg LAYOUT: C-300 PLOTTED: 7/31/2020 10:46 AM BY: kurt violette

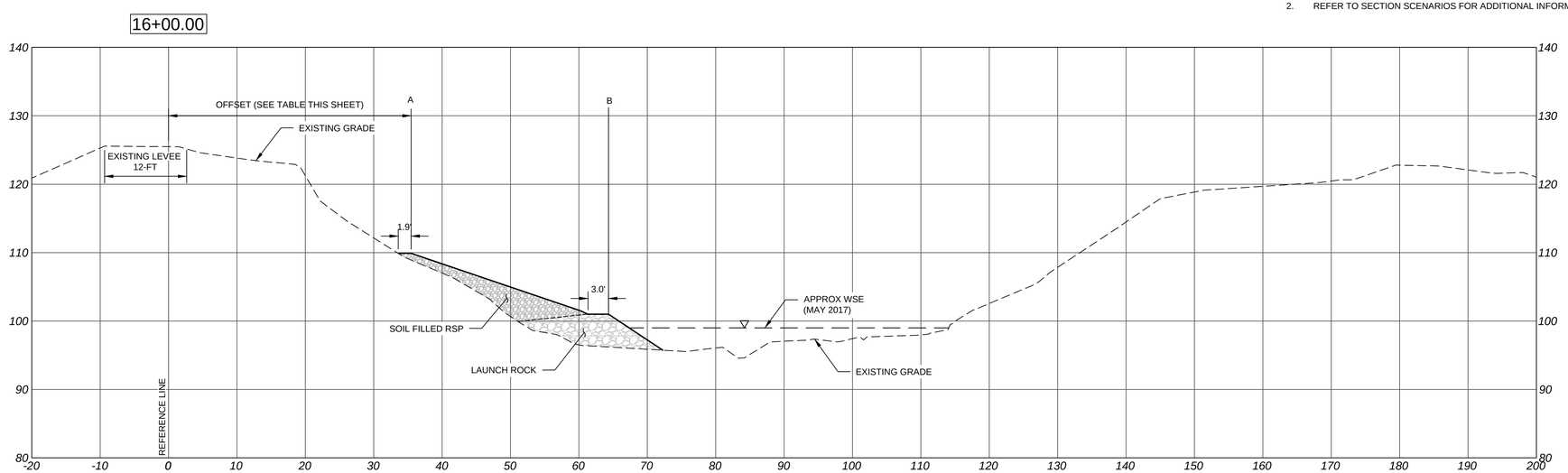


A1 SECTION 14+00
SCALE: 1"=10' (H), 1"=10' (V)

STATION ALONG CONSTR	A		B		C		D	
	TOP OF SLOPE		LOWER BENCH		LOWER BENCH		TOP OF SLOPE	
	OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION
	FT	FT	FT	FT	FT	FT	FT	FT
14+00	44.97	108.7	63.37	101.0	N/A	N/A	N/A	N/A
16+00	36.72	109.9	59.64	101.0	N/A	N/A	N/A	N/A

NOTES:

1. REFER TO TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
2. REFER TO SECTION SCENARIOS FOR ADDITIONAL INFORMATION.



B1 SECTION 16+00
SCALE: 1"=10' (H), 1"=10' (V)

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REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

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SCALE VERIFICATION
THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING
0 1"
IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
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SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

SECTIONS - 14+00 & 16+00

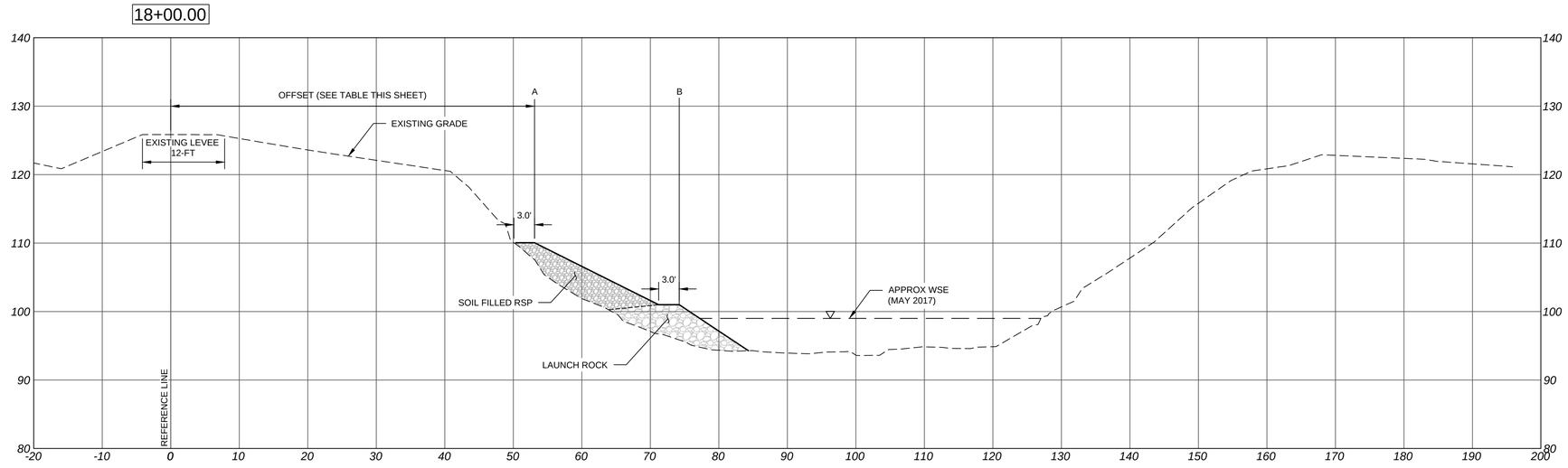
PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-301

SHEET 34 of 46

CAD FILE: C:\pwworking\kleinfelderpw01\dmorey@kleinfelder.com\d0194459\300_C-300_200336_Sections.dwg LAYOUT: C-301 PLOTTED: 7/30/2020 3:46 PM BY: doug morey

75% SUBMITTAL

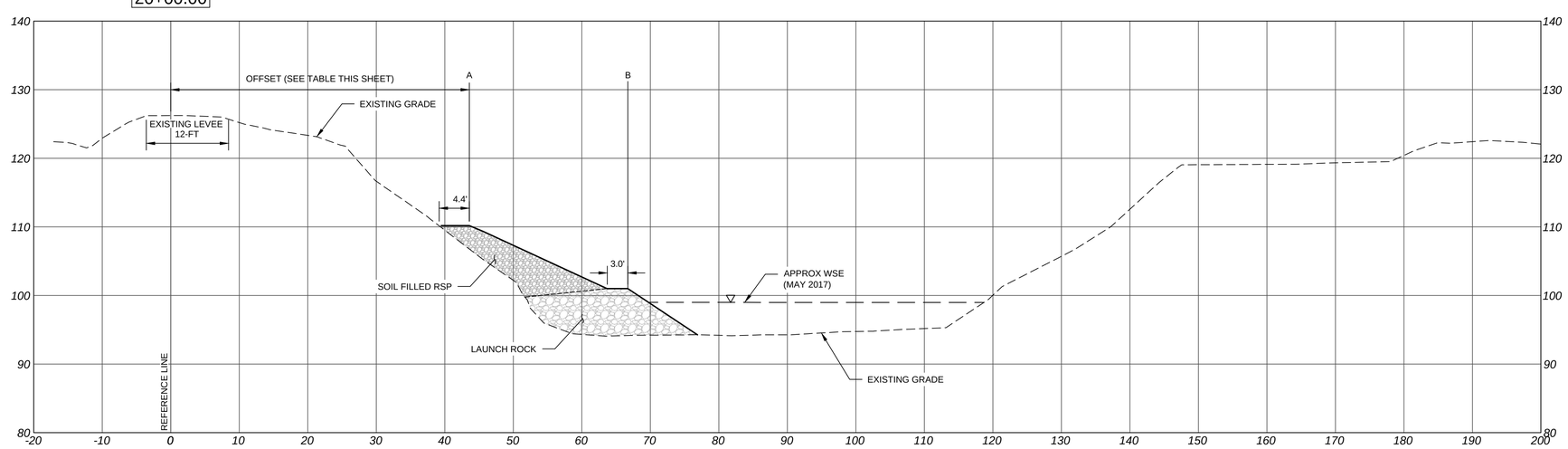


C1 SECTION 18+00
-
SCALE: 1"=10' (H), 1"=10' (V)

STATION ALONG CONSTR	A		B		C		D	
	TOP OF SLOPE		LOWER BENCH		LOWER BENCH		TOP OF SLOPE	
	OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION
	FT	FT	FT	FT	FT	FT	FT	FT
18+00	53.11	110.1	74.23	101.0	N/A	N/A	N/A	N/A
20+00	43.59	110.2	66.72	101.0	N/A	N/A	N/A	N/A

NOTES:

1. REFER TO TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
2. REFER TO SECTION SCENARIOS FOR ADDITIONAL INFORMATION.



D1 SECTION 20+00
-
SCALE: 1"=10' (H), 1"=10' (V)

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REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

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SCALE VERIFICATION
THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING
0 1"
IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999
SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

SECTION - 18+00 & 20+00

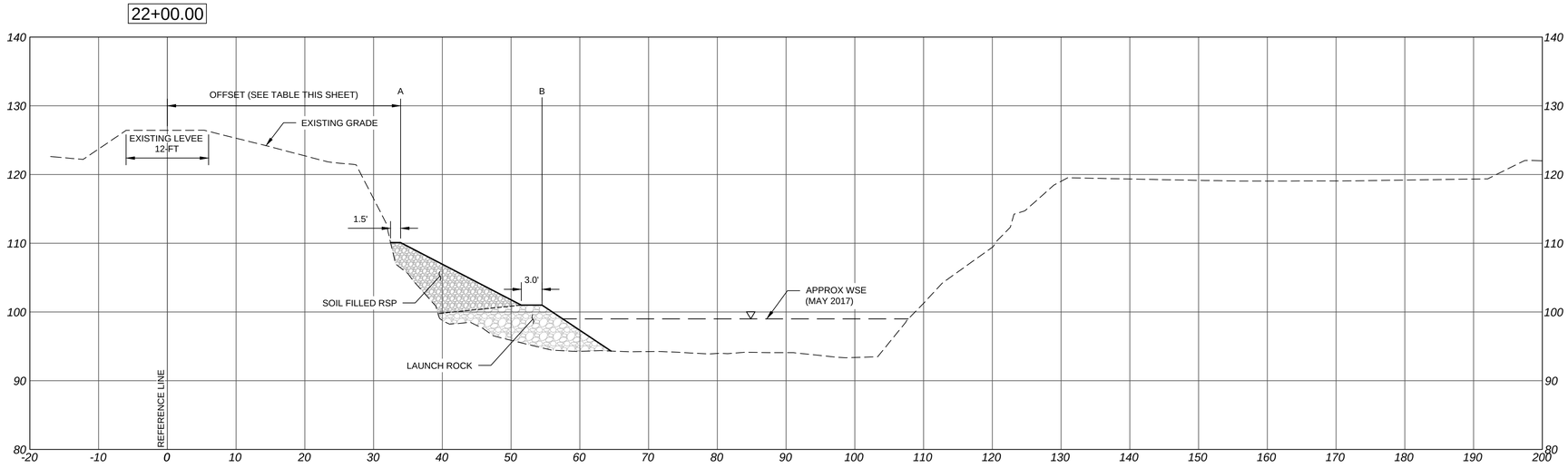
PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-302

SHEET 35 of 46

75% SUBMITTAL

CAD FILE: C:\pwworking\kleinfelderpw01\dmorey@kleinfelder.com\d0194459\300_C-300_200336_Sections.dwg LAYOUT: C-302 PLOTTED: 7/30/2020 3:47 PM BY: doug morey

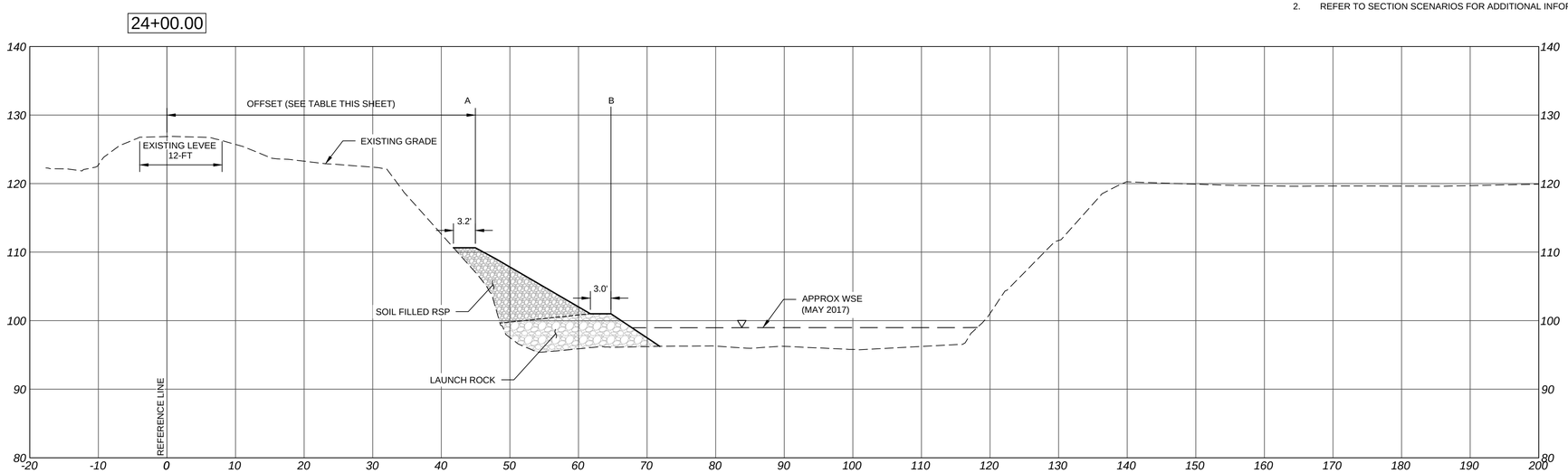


E1 SECTION 22+00
SCALE: 1"=10' (H), 1"=10' (V)

STATION ALONG CONSTR	A		B		C		D	
	TOP OF SLOPE		LOWER BENCH		LOWER BENCH		TOP OF SLOPE	
	OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION
	FT	FT	FT	FT	FT	FT	FT	FT
22+00	33.93	110.1	54.50	101.0	N/A	N/A	N/A	N/A
24+00	44.97	110.6	64.74	101.0	N/A	N/A	N/A	N/A

NOTES:

1. REFER TO TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
2. REFER TO SECTION SCENARIOS FOR ADDITIONAL INFORMATION.



F1 SECTION 24+00
SCALE: 1"=10' (H), 1"=10' (V)

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REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

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CONSTRUCTION

SCALE VERIFICATION
THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING
0 1"
IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
1810 EAST HAZELTON AVENUE
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TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999
SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

SECTION - 22+00 & 24+00

PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-303

SHEET 36 of 46

CAD FILE: C:\pwworking\kleinfelderpw01\dmorey@kleinfelder.com\d0194459\300_C-300_200336_Sections.dwg LAYOUT: C-303 PLOTTED: 7/30/2020 3:47 PM BY: doug morey

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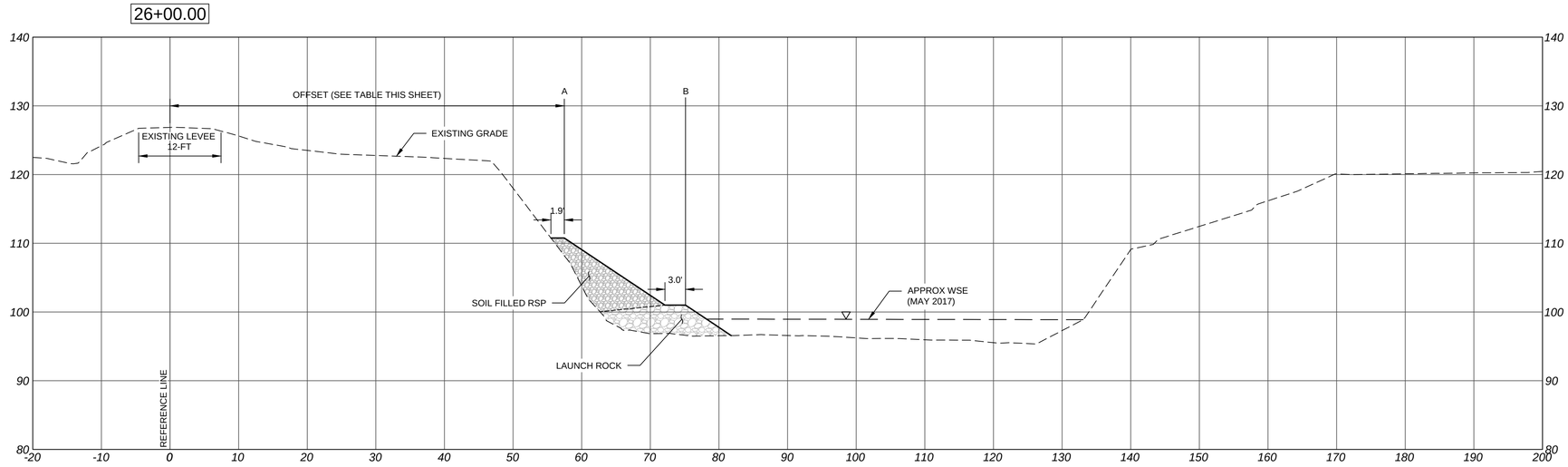


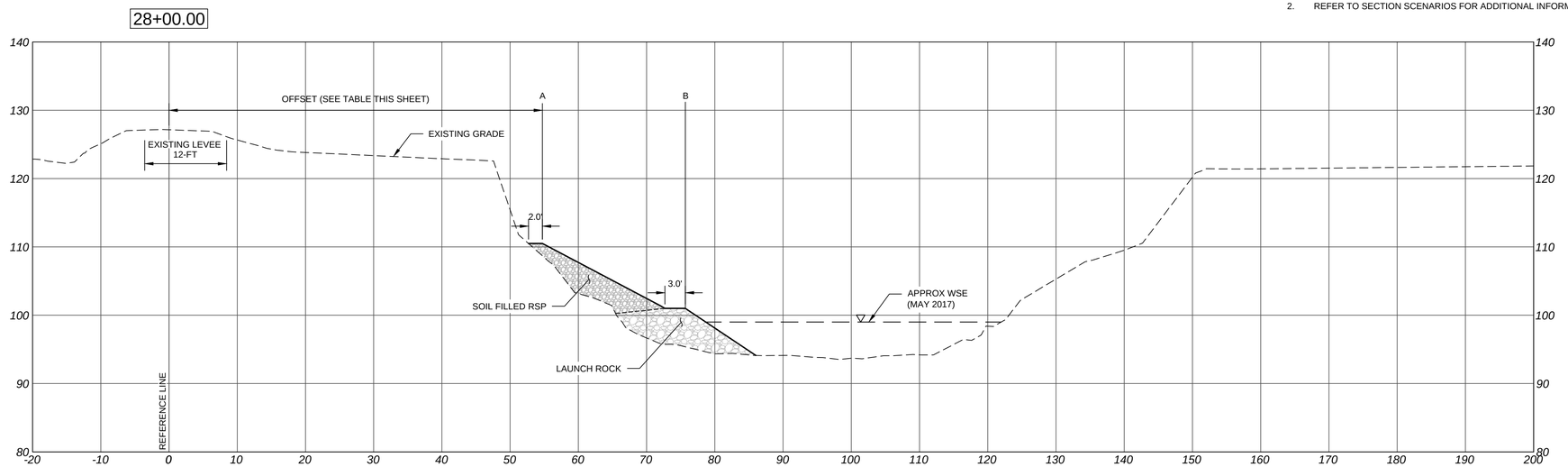
G1 / - SECTION 26+00

SCALE: 1"=10' (H), 1"=10' (V)

STATION ALONG CONSTR	A		B		C		D	
	TOP OF SLOPE		LOWER BENCH		LOWER BENCH		TOP OF SLOPE	
	OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION
	FT	FT	FT	FT	FT	FT	FT	FT
26+00	57.45	110.8	75.12	101.0	N/A	N/A	N/A	N/A
28+00	54.72	110.5	75.68	101.0	N/A	N/A	N/A	N/A

NOTES:

1. REFER TO TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
2. REFER TO SECTION SCENARIOS FOR ADDITIONAL INFORMATION.



H1 / - SECTION 28+00

SCALE: 1"=10' (H), 1"=10' (V)

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Phone: 209-948-1345
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REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

DRAFT
NOT FOR
CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 — 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

SECTION - 26+00 & 28+00

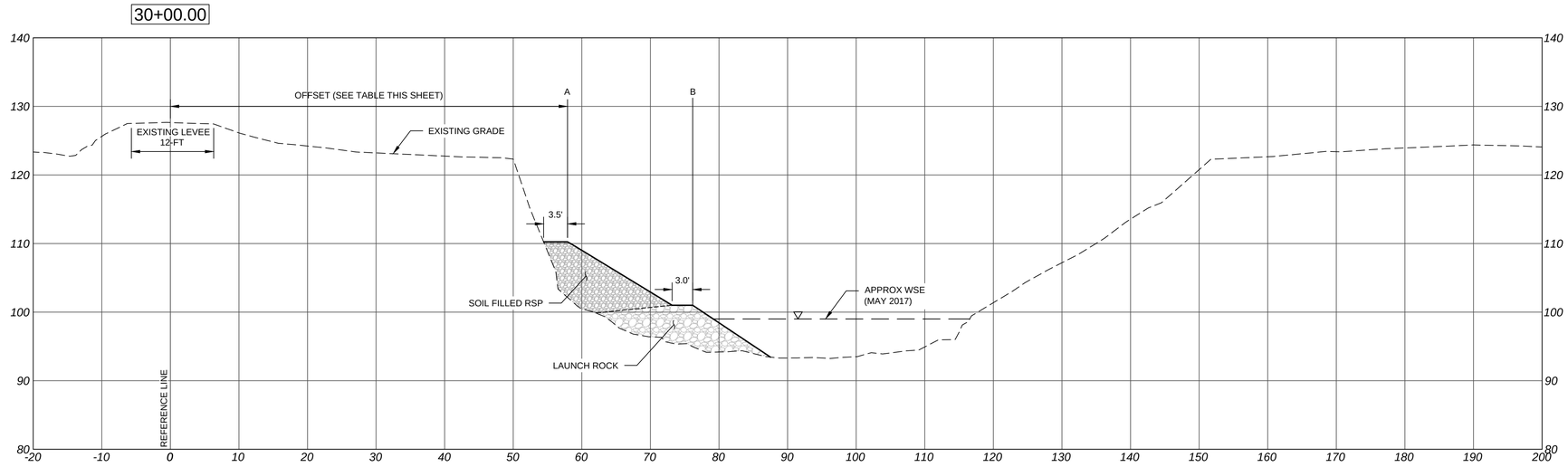
PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-304

SHEET 37 of 46

75% SUBMITTAL

CAD FILE: C:\pwworking\kleinfelderjm01\dmorey@kleinfelder.com\D19445\9300_C-300_20336_Sections.dwg LAYOUT: C-304 PLOTTED: 7/30/2020 3:48 PM BY: doug morey

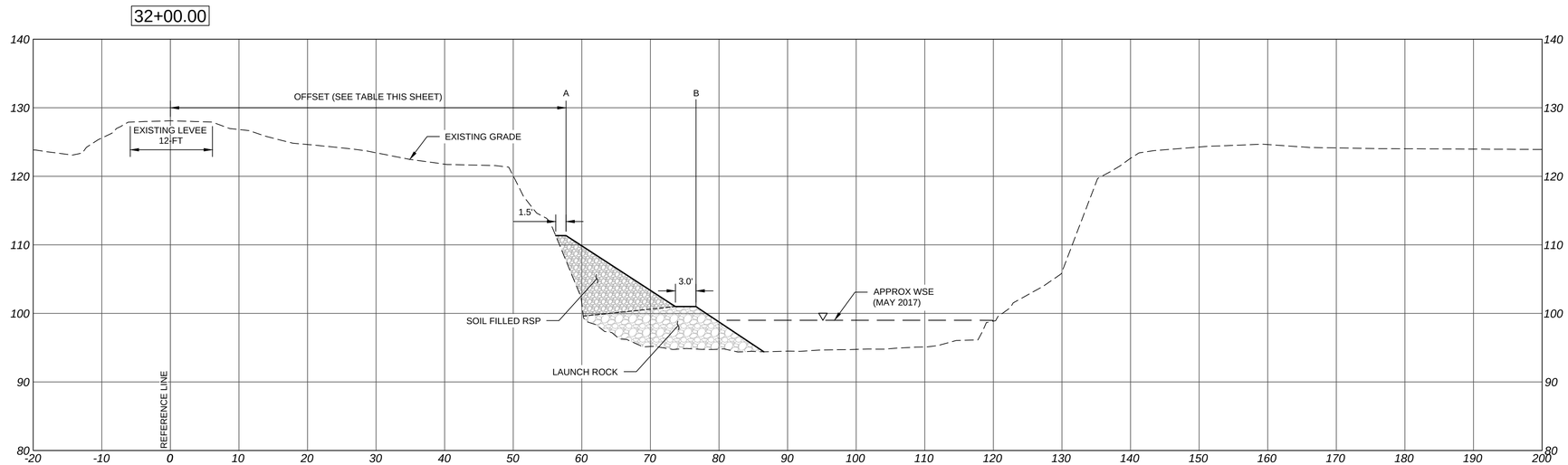


I1 SECTION 30+00
SCALE: 1"=10' (H), 1"=10' (V)

STATION ALONG CONSTR	A		B		C		D	
	TOP OF SLOPE		LOWER BENCH		LOWER BENCH		TOP OF SLOPE	
	OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION
	FT	FT	FT	FT	FT	FT	FT	FT
30+00	57.91	110.2	76.16	101.0	N/A	N/A	N/A	N/A
32+00	57.70	111.4	76.64	101.0	N/A	N/A	N/A	N/A

NOTES:

1. REFER TO TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
2. REFER TO SECTION SCENARIOS FOR ADDITIONAL INFORMATION.



J1 SECTION 32+00
SCALE: 1"=10' (H), 1"=10' (V)

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REVISIONS

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DRAFT
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CONSTRUCTION

SCALE VERIFICATION
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0 1"
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ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
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SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

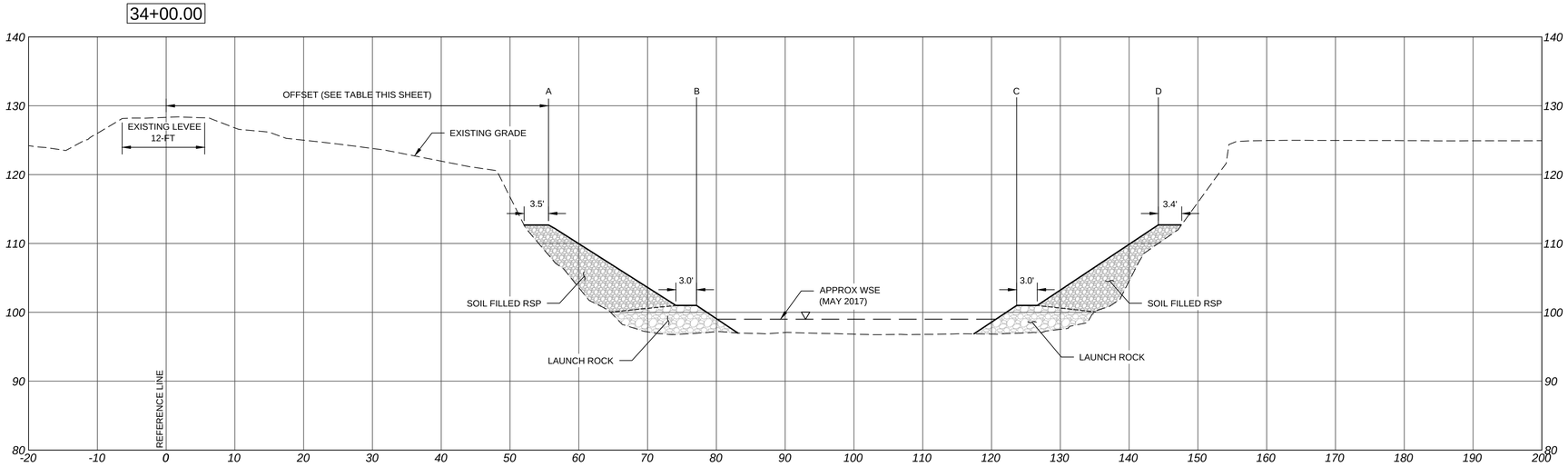
SECTION - 30+00 & 32+00

PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-305

75% SUBMITTAL

CAD FILE: C:\pwworking\kleinfelderpw01\dmorey@kleinfelder.com\d0194459\300_C-300_200336_Sections.dwg LAYOUT: C-305 PLOTTED: 7/30/2020 3:48 PM BY: doug morey

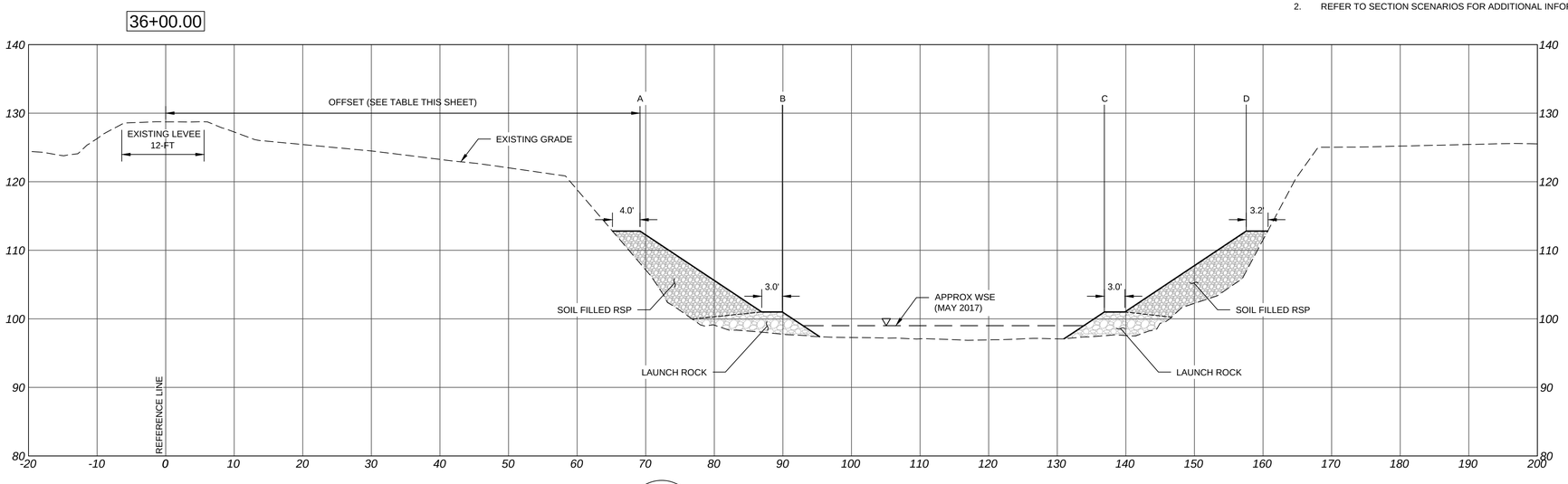


K1 SECTION 34+00
SCALE: 1"=10' (H), 1"=10' (V)

STATION ALONG CONSTR	A		B		C		D	
	TOP OF SLOPE		LOWER BENCH		LOWER BENCH		TOP OF SLOPE	
	OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION
	FT	FT	FT	FT	FT	FT	FT	FT
34+00	55.59	112.7	77.11	101.0	123.64	101.0	144.24	112.7
36+00	69.16	112.8	89.91	101.0	136.87	101.0	157.54	112.8

NOTES:

1. REFER TO TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
2. REFER TO SECTION SCENARIOS FOR ADDITIONAL INFORMATION.



L1 SECTION 36+00
SCALE: 1"=10' (H), 1"=10' (V)

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REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

DRAFT
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CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

SECTION - 34+00 & 36+00

PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-306

SHEET 39 of 46

CAD FILE: C:\pwworking\kleinfelder\pw01\dmorey@kleinfelder.com\d0194459\300_C-300_200336_Sections.dwg LAYOUT: C-306 PLOTTED: 7/30/2020 3:48 PM BY: doug morey

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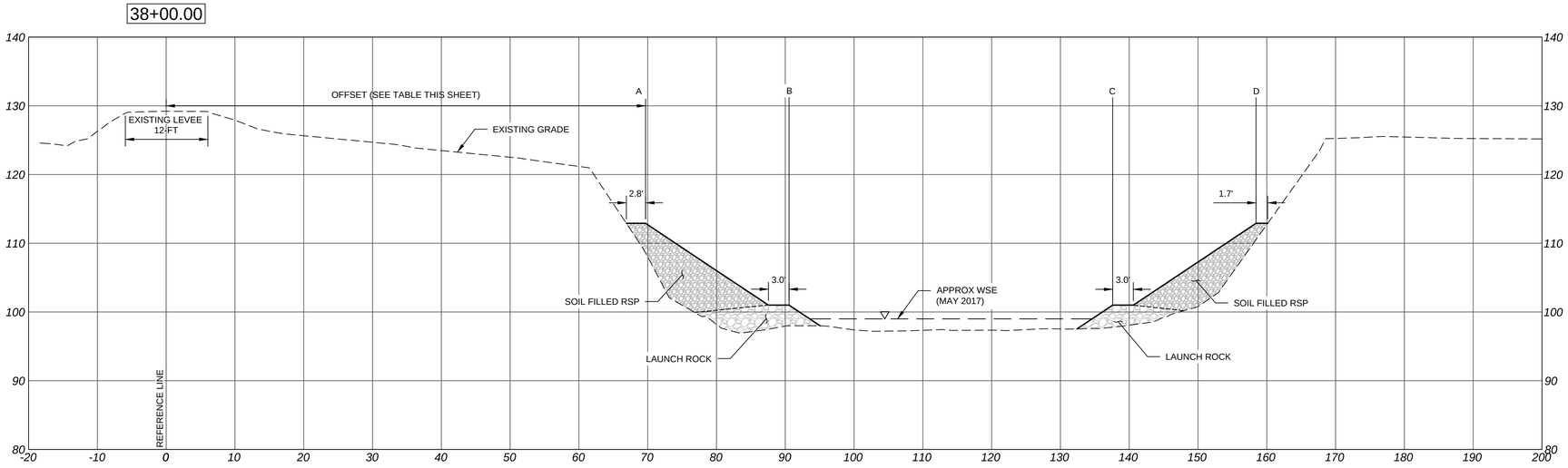
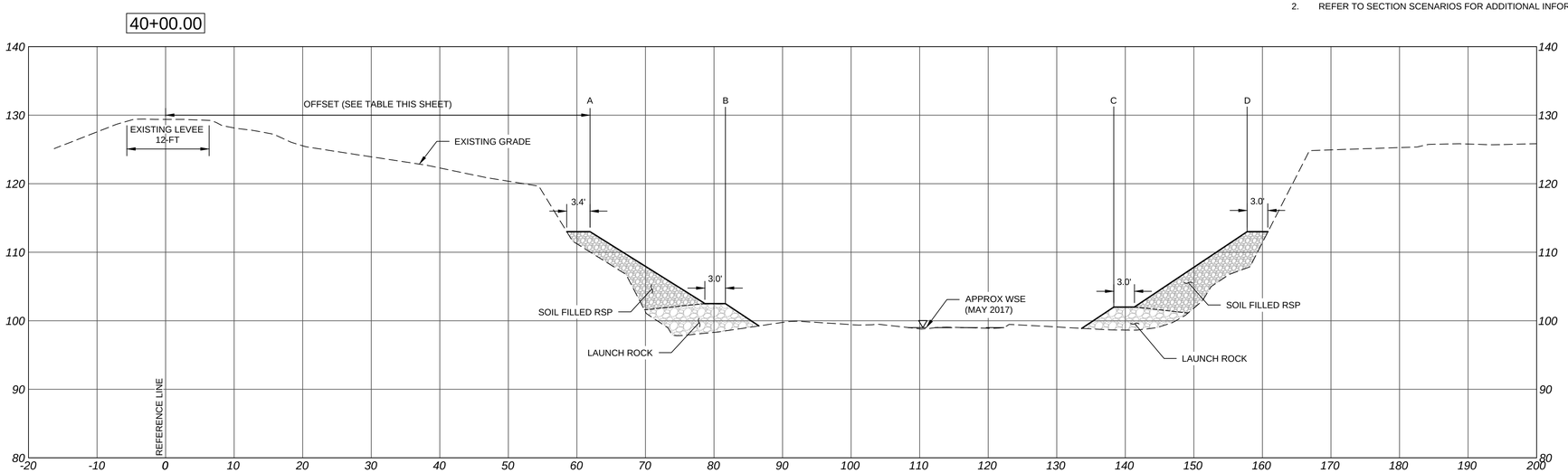


M1 SECTION 38+00
-
SCALE: 1"=10' (H), 1"=10' (V)

STATION ALONG CONSTR	A		B		C		D	
	TOP OF SLOPE		LOWER BENCH		LOWER BENCH		TOP OF SLOPE	
	OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION
	FT	FT	FT	FT	FT	FT	FT	FT
38+00	69.70	112.9	90.55	101.0	137.59	101.0	158.44	112.9
40+00	61.92	113.0	81.66	102.5	138.32	102.0	157.76	113.0

NOTES:

1. REFER TO TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
2. REFER TO SECTION SCENARIOS FOR ADDITIONAL INFORMATION.



N1 SECTION 40+00
-
SCALE: 1"=10' (H), 1"=10' (V)

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REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

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CONSTRUCTION

SCALE VERIFICATION
THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING
0 1"
IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999
SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

SECTION - 38+00 & 40+00

PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-307

SHEET 40 of 46

CAD FILE: C:\pwworking\kleinfelderpw01\dmorey@kleinfelder.com\d0194459\300_C-300_200336_Sections.dwg LAYOUT: C-307 PLOTTED: 7/30/2020 3:48 PM BY: doug morey

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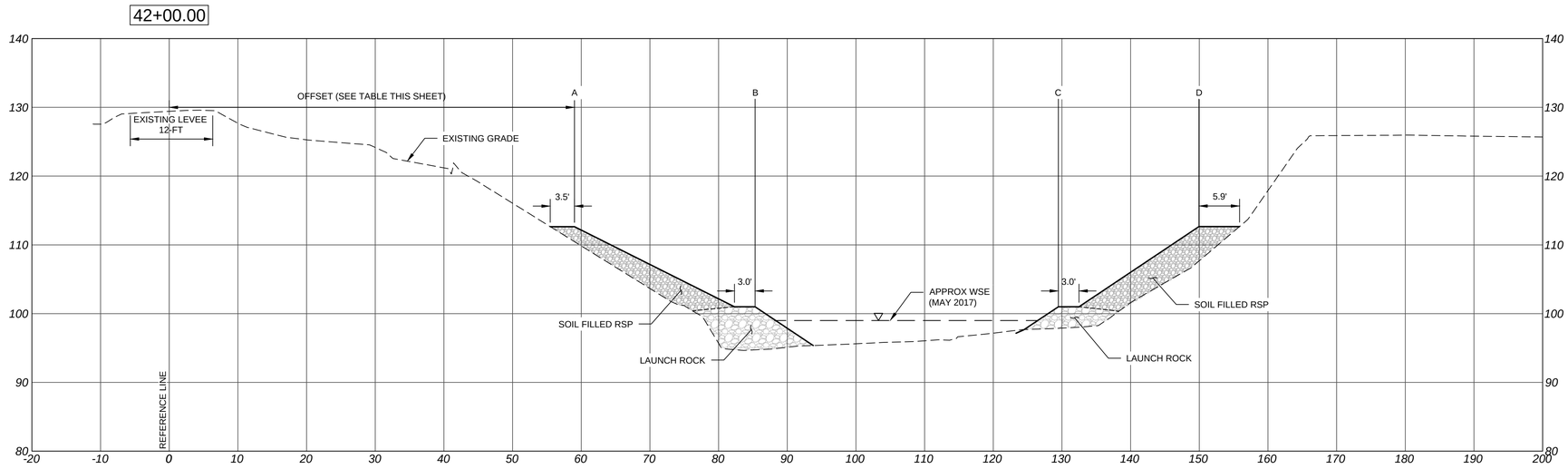


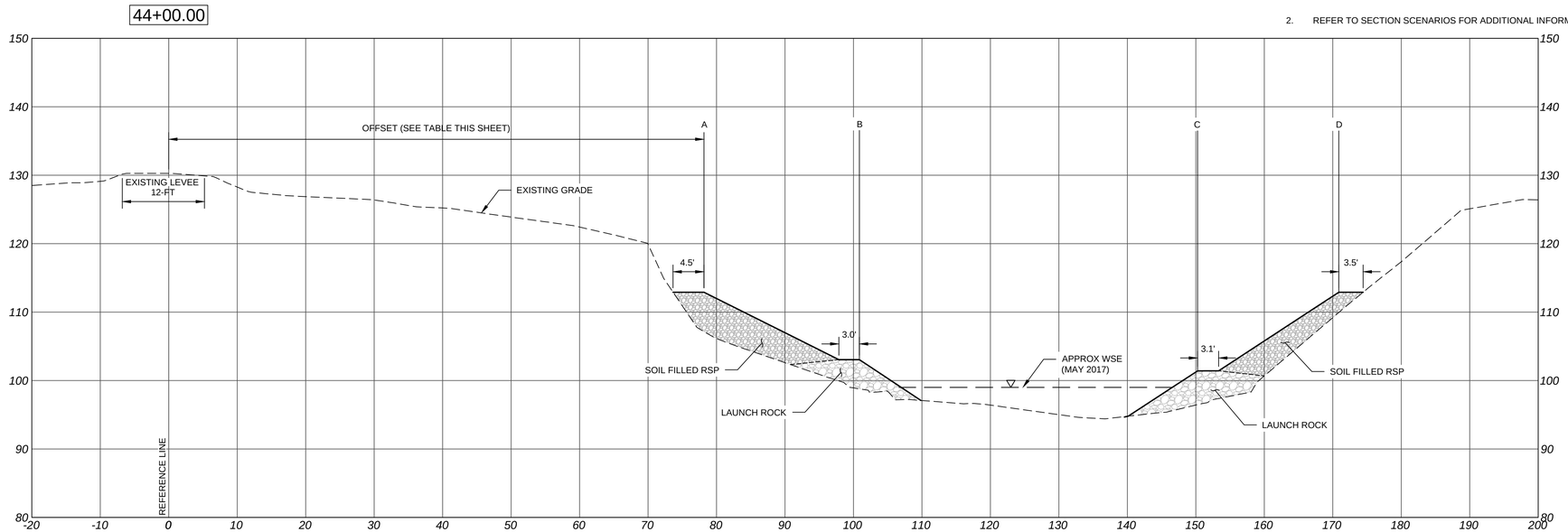
O1 / - SECTION 42+00

SCALE: 1"=10' (H), 1"=10' (V)

STATION ALONG CONSTR	A		B		C		D	
	TOP OF SLOPE		LOWER BENCH		LOWER BENCH		TOP OF SLOPE	
	OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION
	FT	FT	FT	FT	FT	FT	FT	FT
42+00	59.02	112.6	85.32	101.0	132.49	101.0	149.96	112.7
44+00	78.17	112.9	100.88	103.1	150.25	101.4	170.90	112.9

NOTES:

1. REFER TO TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
2. REFER TO SECTION SCENARIOS FOR ADDITIONAL INFORMATION.



P1 / - SECTION 44+00

SCALE: 1"=10' (H), 1"=10' (V)

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REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

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CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 — 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
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SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

SECTION - 42+00 & 44+00

PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-308

SHEET 41 of 46

75% SUBMITTAL

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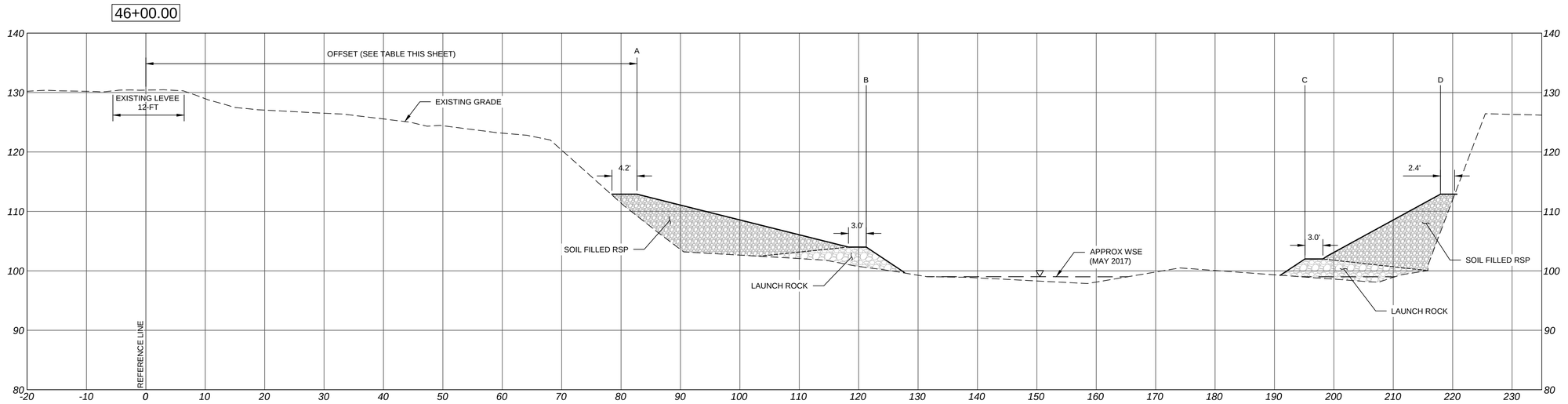

Q1 / - SECTION 46+00

SCALE: 1"=10' (H), 1"=10' (V)

STATION ALONG CONSTR	A		B		C		D	
	TOP OF SLOPE		LOWER BENCH		LOWER BENCH		TOP OF SLOPE	
	OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION
	FT	FT	FT	FT	FT	FT	FT	FT
46+00	N/A	N/A	N/A	N/A	199.45	102.0	218.53	112.9
48+00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

NOTES:

1. REFER TO TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
2. REFER TO SECTION SCENARIOS FOR ADDITIONAL INFORMATION.

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REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

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CONSTRUCTION

SCALE VERIFICATION

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0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
1810 EAST HAZELTON AVENUE
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SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

SECTION - 46+00

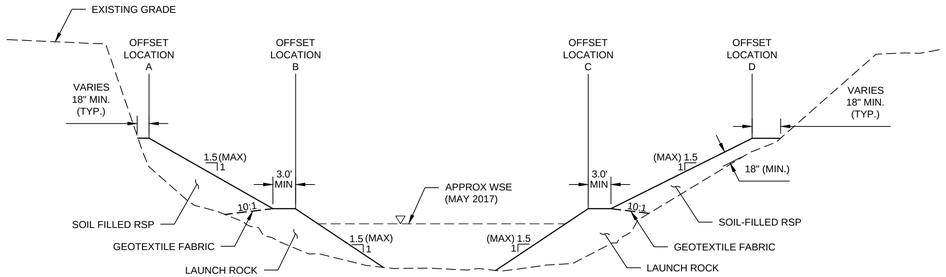
PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-309

SHEET 42 of 46

CAD FILE: C:\pwworking\kleinfelderpw\d0194459309\C-309_20200336_Sections.dwg LAYOUT: C-309 PLOTTED: 7/31/2020 10:51 AM BY kurt.violette

75% SUBMITTAL



TYPICAL SECTION

SEE SHEET C-300 FOR MORE INFORMATION

LEGEND

- EG PER EXIST CONDITIONS SURVEY
- EG PER PRE-CONSTRUCTION SURVEY
- PR GRADE (DESIGN)
- PR-GRADE (POST-DESIGN)

NOTES:

1. CONTRACTOR MUST PERFORM A PRE-CONSTRUCTION SURVEY AND DETERMINE THE VARIANCE TO THE EXISTING TOPOGRAPHIC CONDITIONS AS SHOWN ON THESE PLANS. IF THE VARIANCES FOUND ARE NO GREATER, THEN PREPARE A DESIGN CONFORMANCE STATEMENT.
2. ALL OFFSETS ARE MEASURED PERPENDICULAR TO THE REFERENCE LINE.
3. IF THE DIFFERENCE BETWEEN AN OFFSET AND ITS CORRESPONDING OFFSET LOCATION IS GREATER THAN 2-FT, SEE BELOW FOR CORRECTIVE ACTION TO BE APPLIED.

TABLE 1.0 - OFFSET AND ELEVATION DATA

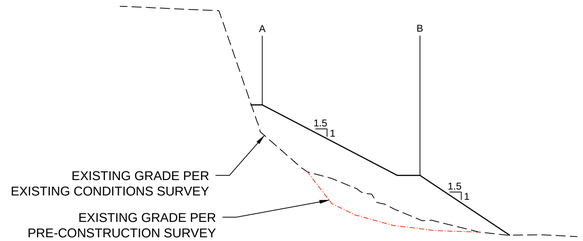
TABLE 01: OFFSET AND ELEVATION DATA

STATION	OFFSET A	OFFSET A'	ELEVATION	OFFSET B	OFFSET B'	ELEVATION	OFFSET C	OFFSET C'	ELEVATION	OFFSET D	OFFSET D'	ELEVATION
14+00												
16+00												
18+00												
20+00												
22+00												
24+00												
26+00												
28+00												
30+00												
32+00												
34+00												
36+00												
38+00												
40+00												
42+00												
44+00												
46+00												

SCENARIO NO.1:

PRE-CONSTRUCTION SURVEY RESULTS
EG AT ELEV B AND BELOW DECREASES AND DESIGN UPPER SLOPE IS 1.5:1

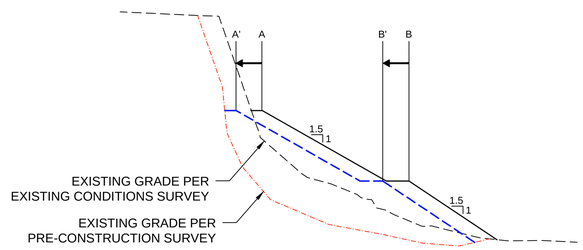
CORRECTION ACTION:
HOLD



SCENARIO NO.2:

PRE-CONSTRUCTION SURVEY RESULTS
EG ELEV AT ELEV A & B DECREASES

CORRECTION ACTION:
SLIDE SECTION

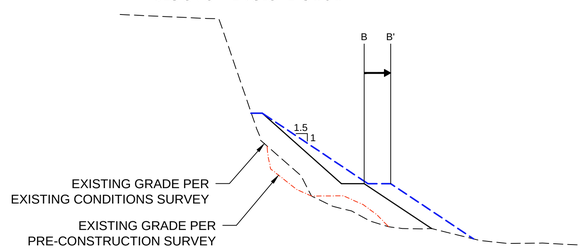


SCENARIO NO.3:

PRE-CONSTRUCTION SURVEY RESULTS

EG AT ELEV B AND BELOW IS HIGHER AND DESIGN UPPER SLOPE IS 1.5:1

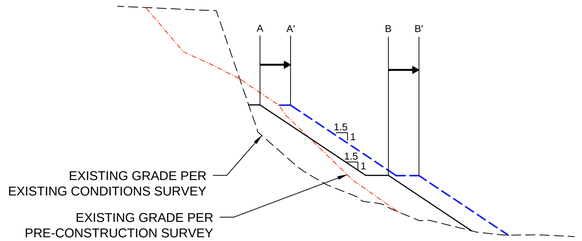
CORRECTION ACTION:
SLIDE B TO MAX SLOPE



SCENARIO NO.4:

PRE-CONSTRUCTION SURVEY RESULTS
EG AT ELEV A & B INCREASES

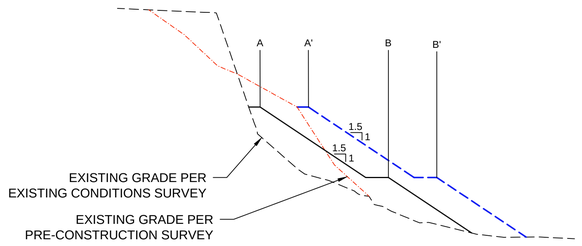
CORRECTION ACTION:
SLIDE SECTION



SCENARIO NO.5:

PRE-CONSTRUCTION SURVEY RESULTS
EG AT ELEV A INCREASE

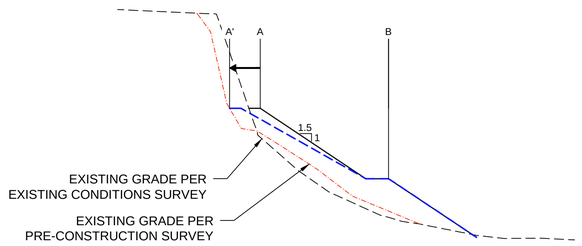
CORRECTION ACTION:
SLIDE SECTION



SCENARIO NO.6:

PRE-CONSTRUCTION SURVEY RESULTS
EG AT ELEV A DECREASES AND DESIGN UPPER SLOPE IS 1.5:1

CORRECTION ACTION:
SLIDE A AND HOLD B



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Phone: 209-948-1345
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REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

DRAFT
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CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 — 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

0 10 20
SCALE: 1" = 10' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
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TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999
SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

SECTION SCENARIOS

PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-310

SHEET 43 of 46

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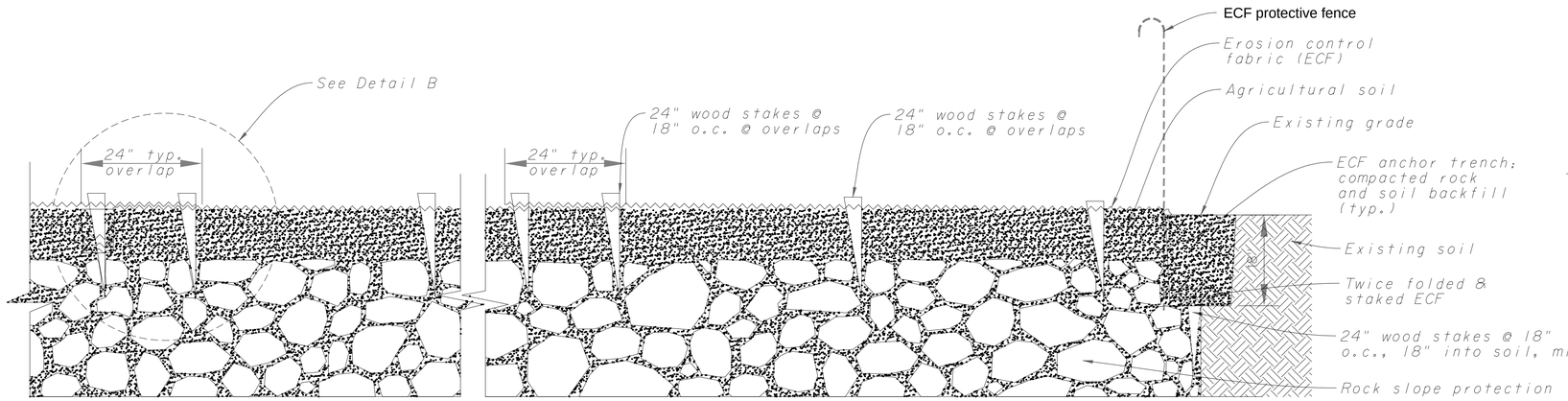
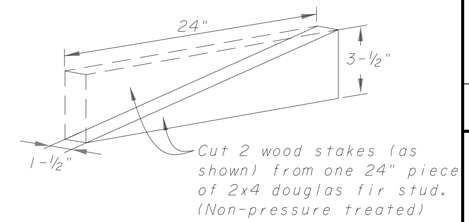
CAD FILE: C:\pwworking\kleinfelderpnd1\kevinfelder_kviolette\d0194459\200 C-310 20036_Section Scenarios.dwg LAYOUT: C-310 PLOTTED: 7/30/2020 5:08 PM BY: kurt.violette



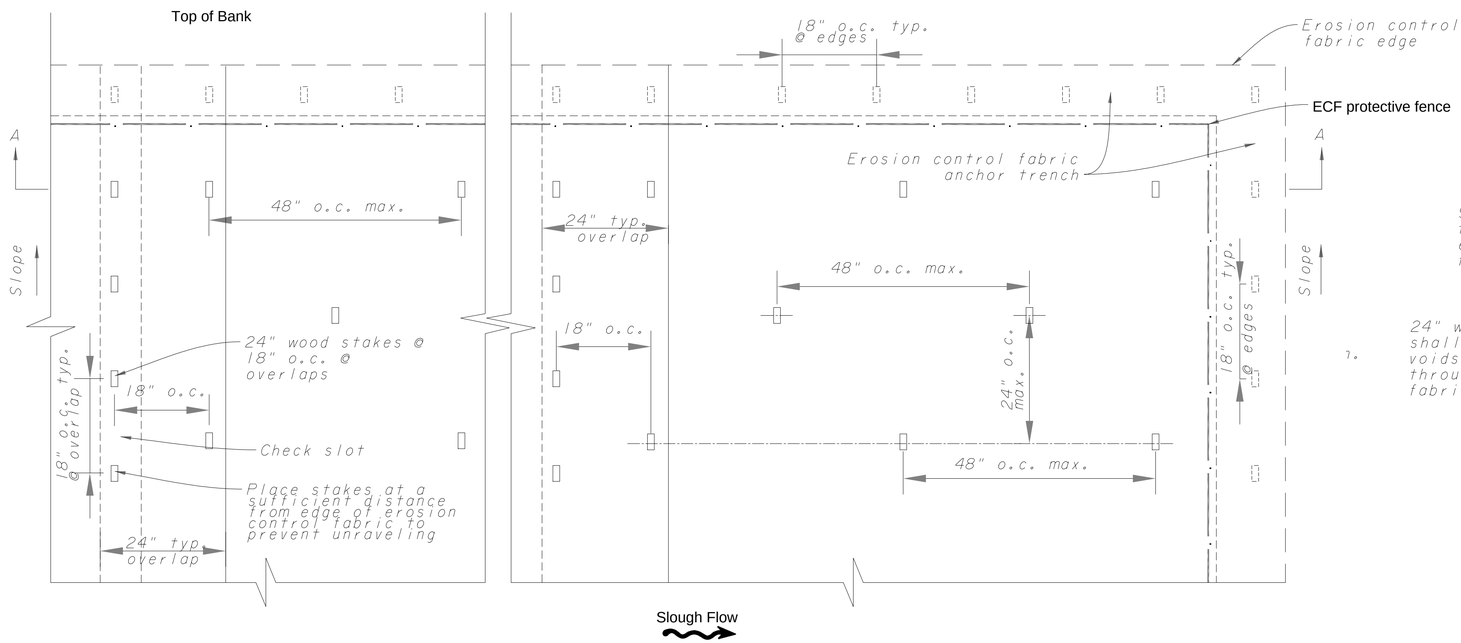
EROSION CONTROL FABRIC INSTALLATION: SECTION A-A

Not to Scale



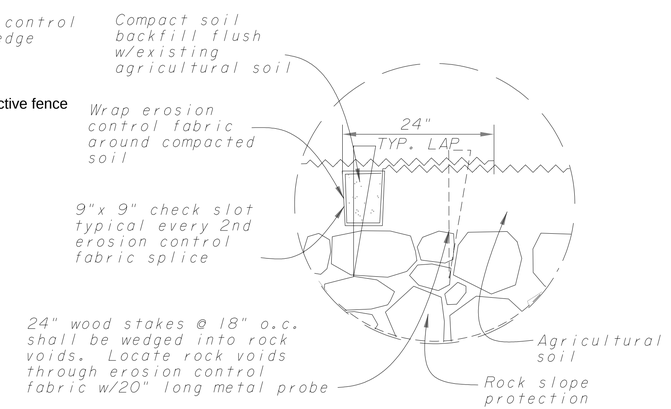
WOOD STAKE

Not to Scale



EROSION CONTROL FABRIC INSTALLATION

Not to Scale



DETAIL B

Not to Scale

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Stockton, CA 95206
Phone: 209-948-1345
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REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

DRAFT
NOT FOR
CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
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TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

EROSION CONTROL FABRIC AND DETAILS

PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-500

SHEET 44 of 46

CAD FILE: C:\pwworking\kleinfelderpw01\kleinfelder_kviolette\d0194459\500_C-502_200336 ECF Detail.dwg LAYOUT: C-502 PLOTTED: 7/31/2020 10:59 AM BY: kurt violette

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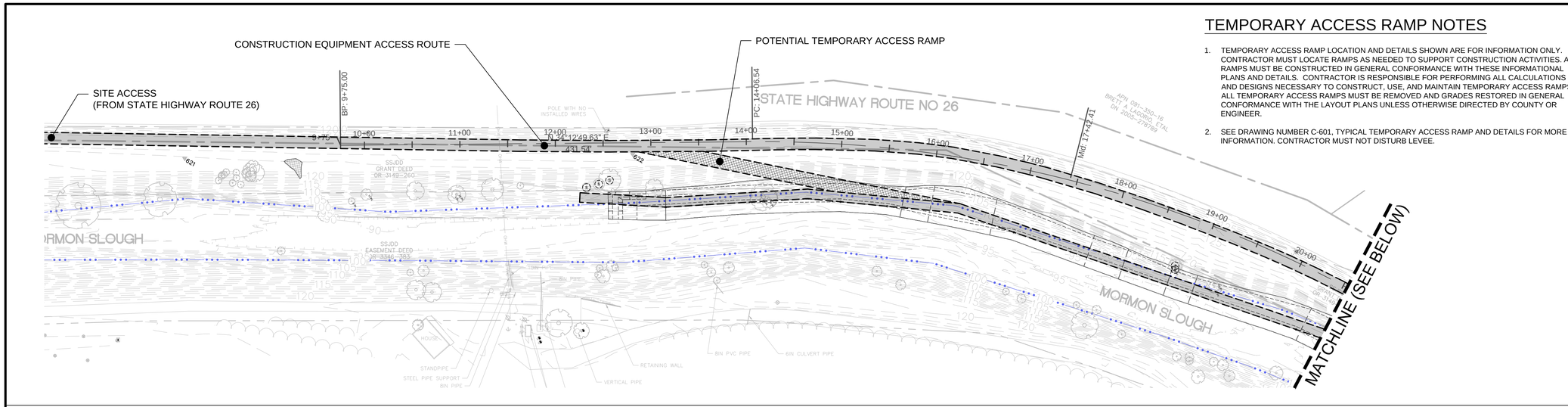
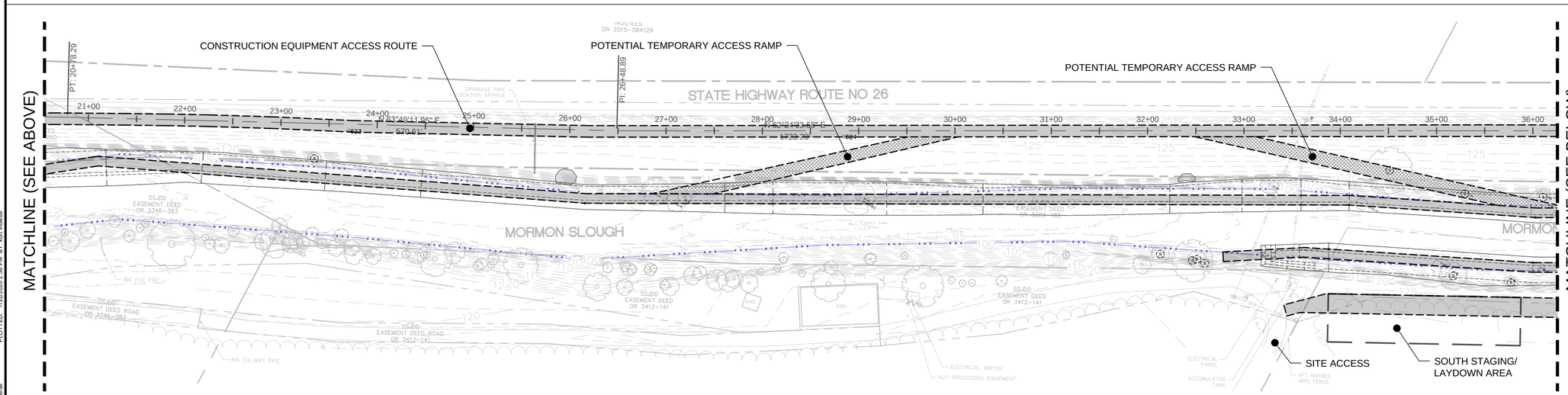
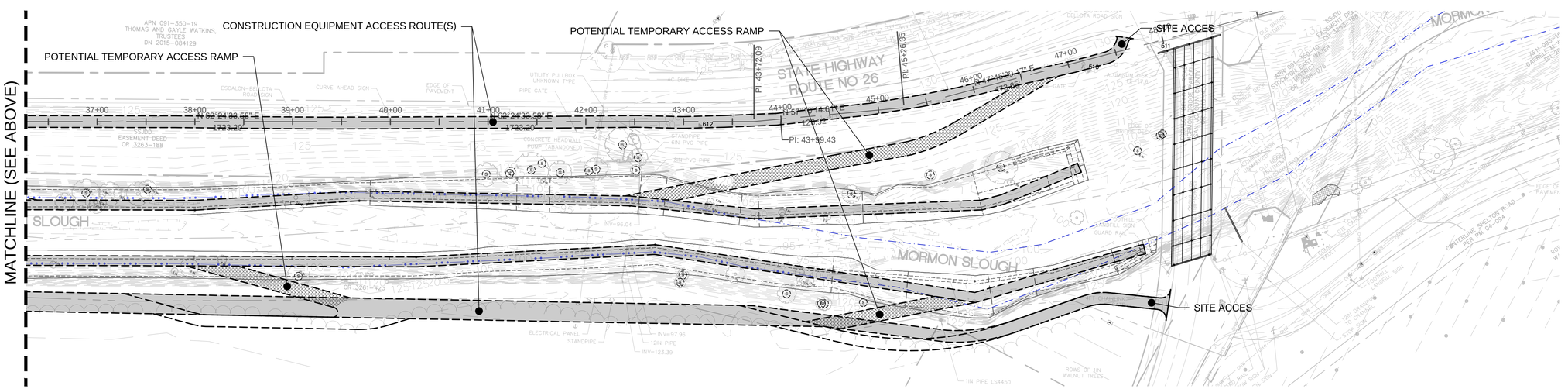


TEMPORARY ACCESS RAMP NOTES

1. TEMPORARY ACCESS RAMP LOCATION AND DETAILS SHOWN ARE FOR INFORMATION ONLY. CONTRACTOR MUST LOCATE RAMPS AS NEEDED TO SUPPORT CONSTRUCTION ACTIVITIES. ALL RAMPS MUST BE CONSTRUCTED IN GENERAL CONFORMANCE WITH THESE INFORMATIONAL PLANS AND DETAILS. CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL CALCULATIONS AND DESIGNS NECESSARY TO CONSTRUCT, USE, AND MAINTAIN TEMPORARY ACCESS RAMPS. ALL TEMPORARY ACCESS RAMPS MUST BE REMOVED AND GRADES RESTORED IN GENERAL CONFORMANCE WITH THE LAYOUT PLANS UNLESS OTHERWISE DIRECTED BY COUNTY OR ENGINEER.
2. SEE DRAWING NUMBER C-601, TYPICAL TEMPORARY ACCESS RAMP AND DETAILS FOR MORE INFORMATION. CONTRACTOR MUST NOT DISTURB LEVEE.





KLEINFELDER
Bright People. Right Solutions.
2001 Arch-Airport Road, Suite 100
Stockton, CA 95206
Phone: 209-948-1345
www.kleinfelder.com

REVISIONS

REV	DESCRIPTION	DSN / DWN	CHK / APP	DATE

DRAFT
NOT FOR
CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

0 60 120

SCALE: 1" = 60' SCALE IN FEET

ORIGINAL DRAWING SIZE IS 22 x 34

PRELIMINARY PLANS

UPPER MORMON SLOUGH EROSION REPAIR
FLOOD SYSTEM REPAIR PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
P. O. BOX 1810
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999

SAN JOAQUIN COUNTY
FLOOD CONTROL & WATER CONSERVATION DISTRICT
1810 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201

INFORMATIONAL PLAN
TEMPORARY ACCESS RAMPS

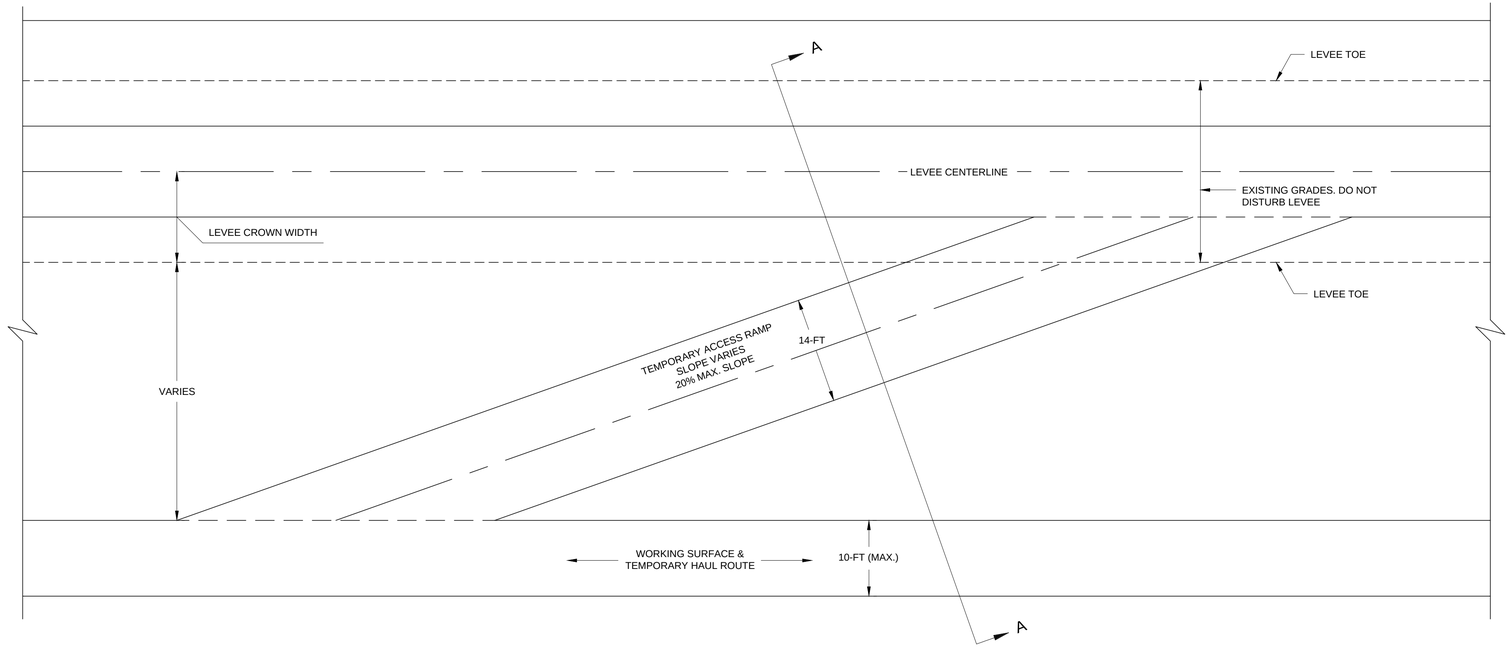
PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-600

SHEET 45 of 46

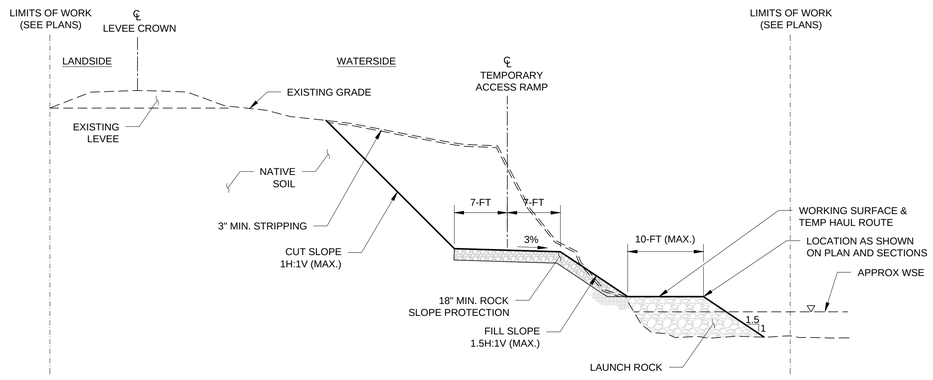
75% SUBMITTAL

CAD FILE: C:\pwworking\kleinfelderpw01\kleinfelder_kviolette\d0194459600_C-601_200336_Potential Temp Access Ramps.dwg LAYOUT: C-600_Overall PLOTTED: 7/31/2020 2:56 PM BY: kurt violette



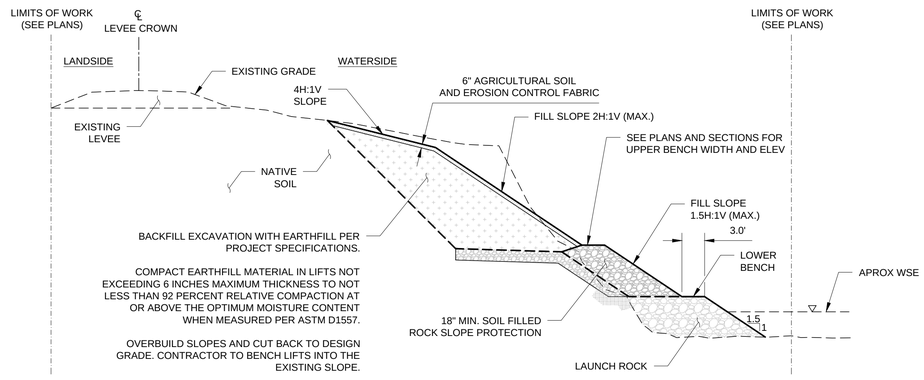
TYPICAL TEMPORARY ACCESS RAMP

SCALE: N.T.S.



DURING CONSTRUCTION

(SECTION A-A)



POST CONSTRUCTION

(SECTION A-A)

TYPICAL TEMPORARY ACCESS RAMP

SCALE: N.T.S.

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PRELIMINARY PLANS

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STOCKTON, CALIFORNIA 95201

TYPICAL TEMPORARY ACCESS RAMP AND DETAILS

PROJECT NO.	20200336.001A
ISSUE DATE	07/31/2020
CURRENT REVISION	A
DESIGNED BY	K.VIOLETTE
DRAWN BY	K.VIOLETTE
CHECKED BY	-
APPROVED BY	-

C-601

SHEET 46 of 46

75% SUBMITTAL

CAD FILE: C:\pwworking\kleinfelderpv01\kleinfelder_kviolette\d0194459600_C-601_200336_Temp Access Ramp Details.dwg LAYOUT: C-601 PLOTTED: 7/31/2020 1:38 PM BY: kurt violette