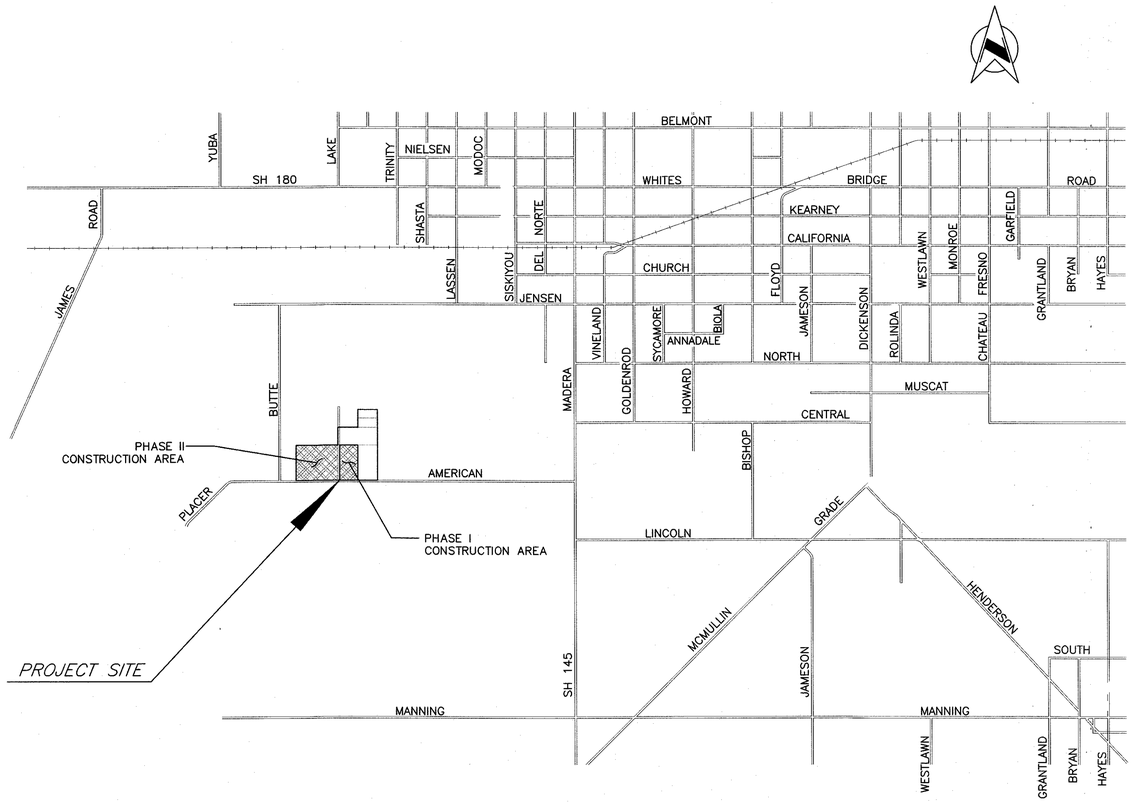
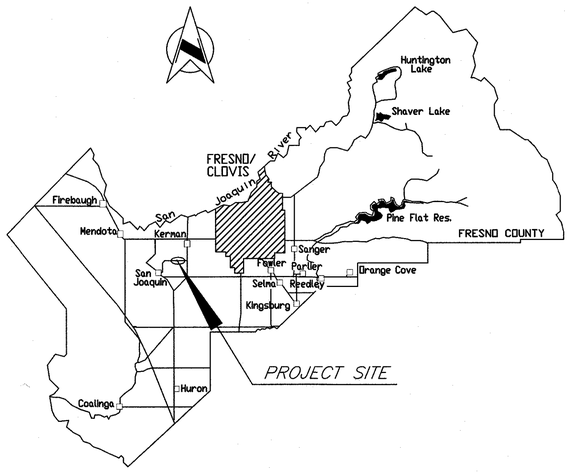
PLANS FOR CONSTRUCTION

AMERICAN AVENUE DISPOSAL SITE

PHASE I WASTE RELOCATION



VICINITY MAP
NTS



THE COUNTY OF FRESNO 1856

DEPARTMENT OF PUBLIC WORKS AND PLANNING

SHEET	TITLE
0	COVER SHEET
1	GENERAL NOTES
2	SITE PLAN AND SURVEY CONTROL
3	DEMOLITION AND DECOMMISSIONING PLAN
4	TRAFFIC ROUTING PLAN
5	PHASE I EXCAVATION GRADING
6	PHASE I EXCAVATION PLAN: SEQUENCING
7	CUSTOMER ACCESS ROAD GRADING PLAN
8	ACCESS ROAD PLAN AND PROFILE
9	ACCESS ROAD PLAN AND PROFILE
10	PAVING SIGNAGE AND STRIPING PLAN
11–14	RESERVED
15	PHASE II WASTE RELOCATION PLAN
16	FILL SEQUENCE PLAN
17	FILL SEQUENCE PLAN: STAGES
18	PHASE II POINT TABLE
19–25	RESERVED
26	PHASE I EROSION CONTROL PLAN
27	PHASE II EROSION CONTROL PLAN
28	PHASE I CROSS SECTIONS
29	DETAILS
30	DETAILS
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32	DETAILS
33	DETAILS
34	DETAILS
35	DECOMMISSIONING DETAILS
36	ACCESS ROAD DETAILS
37	ACCESS ROAD DETAILS

INDEX OF SHEETS

Brian Pacheco, Chairman	1st	District
Steve Brandau	2nd	District
Sal Quintero, Vice Chairman	3rd	District
Ernest "Buddy" Mendes	4th	District
Nathan Magsig	5th	District

Jean Rousseau
County Administrative Officer

APPROVED _____
Steven E. White,
Director of Department of Public Works and Planning

California Contractor's License required for this project
CLASS A (GENERAL ENGINEERING) AND HAZ (HAZARDOUS SUBSTANCE REMOVAL AND REMEDIAL ACTION CERTIFICATION)

DRAWING No	ROAD No	BRIDGE No	FISCAL YEAR	SHEET No	TOTAL SHEETS
11298	N/A	N/A	21/22	0	37

CONTRACT No. 21–07–SW

RECORD DRAWING		
CONTRACT NO.		
CONTRACTOR		
NAME		
ADDRESS		
CITY	STATE	PH.
DATE AWARDED		
DATE STARTED		
DATE COMPLETED		
RESIDENT ENGINEER		
NAME	SIGNED	
NAME	SIGNED	

GENERAL LEGEND

ABBREVIATIONS

AB	AGGREGATE BASE
ALIGN	ALIGNMENT
ALT	ALTERNATE
APPROX	APPROXIMATE (±)
AS	AGGREGATE SUBBASE
AVE	AVENUE
BEG	BEGIN(ING)
BGS	BELOW GROUND SURFACE
BLDG	BUILDING
BW	BARBED WIRE
CF	CUBIC FOOT (FEET)
CFS	CUBIC FEET PER SECOND
CIP	CAST IRON PIPE
CIPCP	CAST-IN-PLACE CONCRETE PIPE
C/L (℄)	CENTER LINE
CL	CHAIN LINK
CMP	CORRUGATED METAL PIPE
CO	COUNTY
CONC	CONCRETE
CONST	CONSTRUCT (ION)
CONT	CONTINUOUS
CP	CONCRETE PIPE
CQA	CONSTRUCTION QUALITY ASSURANCE
CSP	CORRUGATED STEEL PIPE
CULV	CULVERT
CY	CUBIC YARD(S)
DIA (?)	DIAMETER
DIST	DISTANCE
DMW	DETECTION MONITORING WELL
E	EAST
EA	EACH
ELEV	ELEVATION
FT	FOOT (FEET)
F/L (℄)	FLOW LINE
GCCS	GAS COLLECTION AND CONTROL SYSTEM
GCL	GEOSYNTHETIC CLAY LINER
GW	GROUNDWATER
GWMW	GROUNDWATER MONITORING WELL
HMA	HOT MIX ASPHALT
HORIZ	HORIZONTAL
HP	HIGH POINT
HS	HIGH STRENGTH
HDPE	HIGH DENSITY POLYETHYLENE
IN	INCH(ES)
LFG	LANDFILL GAS
LF	LINEAR FOOT
LS	LUMP SUM
MAX	MAXIMUM
MDBM	MOUNT DIABLO BASE AND MERIDIAN
MIN	MINIMUM
MISC	MISCELLANEOUS
MSW	MUNICIPAL SOLID WASTE
N	NORTH
N/A	NOT APPLICABLE
NO (#)	NUMBER
NS	NATIVE SOIL
OC	ON CENTER
PE	POLYETHYLENE
PC	POINT OF CURVE
PCC	PORTLAND CEMENT CONCRETE
PERM	PERMEABLE
P/L	PROPERTY LINE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENT
PNT	POINT
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
R	RADIUS
RD	ROAD
RTE	ROUTE
R/W	RIGHT OF WAY
SEC	SECTION
SH	STATE HIGHWAY
SIM	SIMILAR
SMP	STORMWATER MANAGEMENT PLAN
S	SOUTH
SHT	SHEET
S/L	SECTION LINE
SQ	SQUARE
SQ FT	SQUARE FOOT (FEET)
SQ IN	SQUARE INCH
ST	STREET
STA	STATION
STD	STANDARD
SY	SQUARE YARD
TOT	TOTAL
TYP	TYPICAL
TYP SEC	TYPICAL SECTION
UC	UNDERCROSSING
UG	UNDERGROUND
UD	UNDERDRAIN
VAR	VARIES (ABLE)
VC	VERTICAL CURVE
VERT	VERTICAL
W	WEST
WM	WATER METER
WV	WATER VALVE

GENERAL NOTES

1. DIMENSIONS SHOWN ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. ANY EARTHWORK QUANTITIES, UNLESS NOTED OTHERWISE, ARE IN-PLACE (BANK) VOLUMES.
3. ALL PIPE JOINTS ARE TO BE AS-SPECIFIED AND/OR SHOWN ON DRAWINGS. STORMWATER CULVERT PIPE JOINTS SHALL BE WATERTIGHT.
4. CALTRANS STANDARD SPECIFICATIONS & PLANS – 2015 EDITION AND AMENDMENTS THROUGH 9/2016.
5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROJECT TECHNICAL SPECIFICATIONS, REFERENCED STANDARD PLANS AND SPECIFICATIONS, THESE CONSTRUCTION PLANS, DRAWINGS, AND CQA PLAN.
6. COORDINATES AS SHOWN ARE DEFINED BY THE BASELINE FROM THE NORTH ¼ CORNER OF SECTION 5, TOWNSHIP 15 SOUTH, RANGE 17 EAST TO THE NORTHWEST CORNER OF SECTION 3, TOWNSHIP 15 SOUTH, RANGE 17 EAST MOUNT DIABLO BASE LINE AND MERIDIAN (MDBM), BEARS NORTH 89°06'11" EAST PER FRESNO COUNTY SURVEYS AUTOCAD DRAWING "AMERICA MASTER DWG.DWG" (12-12-03).
7. ELEVATIONS SHOWN ARE BASED ON FRESNO COUNTY BENCHMARK LH19B ON THE NORTHEAST CORNER OF AMERICAN AVENUE AND PLUMAS AVENUE HAVING AN ELEVATION OF 177.208 (NGVD29) PER FRESNO COUNTY RECORDS.
8. THE CONTRACTOR WILL BE REQUIRED TO DEVELOP AND IMPLEMENT AN APPROVED CONSTRUCTION STORMWATER MANAGEMENT PLAN (SMP).
9. THE CONTRACTOR SHALL NOTIFY ENGINEER 48 HOURS PRIOR TO BEGINNING SUBGRADE PREPARATION OR INSTALLING GEOSYNTHETIC MATERIALS (I.E. GEOTEXTILES, ETC.).
10. DUST CONTROL OPERATIONS SHALL BE PERFORMED BY THE CONTRACTOR AT THE TIME, LOCATION AND IN THE AMOUNT REQUIRED, AND AS OFTEN AS NECESSARY TO PREVENT HIS/HER EXCAVATION OR FILL WORK, DEMOLITION OPERATION, OR OTHER ACTIVITIES FROM PRODUCING DUST IN AMOUNTS HARMFUL TO PERSONS OR CAUSING A NUISANCE TO PERSONS LIVING OR WORKING NEARBY OR OCCUPYING BUILDINGS IN THE VICINITY OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH FUGITIVE DUST REGULATIONS ISSUED BY THE SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT (APCD) OR OTHER REGULATORY AGENCY.
11. CONTROL OF DUST SHALL BE BY SPRINKLING OF WATER, USE OF APPROVED DUST PREVENTATIVES, MODIFICATIONS OF OPERATIONS OR ANY OTHER MEANS ACCEPTABLE TO THE COUNTY/ENGINEER, THE REGIONAL WATER QUALITY CONTROL BOARD (RWQCB), THE LOCAL APCD, AND ANY HEALTH OR ENVIRONMENTAL CONTROL AGENCY HAVING JURISDICTION OVER THE FACILITY. THE ENGINEER SHALL HAVE THE AUTHORITY TO SUSPEND ALL CONSTRUCTION OPERATIONS IF, IN HIS/HER OBSERVATION, THE CONTRACTOR FAILS TO ADEQUATELY PROVIDE FOR DUST CONTROL.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ANY BURIED OR SURFACE UTILITIES AND DRAINAGE STRUCTURES WITHIN THE LIMITS OF WORK EXISTING AT THE SITE. CERTAIN ITEMS ARE INDICATED ON THE CONSTRUCTION DRAWINGS. THESE MAY INCLUDE, BUT ARE NOT LIMITED TO: WATER LINES, ELECTRICAL LINES, FIBER OPTIC LINES, SEWER LINES, GROUND WATER MONITORING AND EXTRACTION WELLS, GAS MONITORING PROBES, GAS EXTRACTION WELLS, POWER POLES, SURVEY MONUMENTS, LEACHATE PIPING, TANKS, AND PUMPS.
13. ATTENTION IS DIRECTED TO THE POSSIBLE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT INDICATED ON THE PLANS AND TO THE POSSIBILITY THAT UNDERGROUND UTILITIES OR STRUCTURES MAY BE AT A LOCATION DIFFERENT FROM THAT WHICH IS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES, INCLUDING CONTACT OF UNDERGROUND SERVICE ALERT (USA) AT 1-800-642-2444, 48 HOURS PRIOR TO BEGINNING WORK. ANY DAMAGE OR LOSS CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE PROMPTLY REPAIRED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE COUNTY/ENGINEER.
14. AT THE COMPLETION OF EACH WORK DAY, THE CONTRACTOR SHALL TAKE ALL NECESSARY PREVENTIVE MEASURES TO AVOID OR MINIMIZE DAMAGE RESULTING IN EROSION OR IMPOUNDING CAUSED BY STORM WATER RUNOFF OR OTHER NUISANCE WATER WITHIN THE CONSTRUCTION AREA. EROSION CONTROL AND DE-WATERING MEASURES SHALL CONSIST OF CONSTRUCTING SANDBAG BERMS, DESILTING BASINS, DRAINS, TEMPORARY STORM WATER BASINS OR PUMPING FACILITIES, AND OTHER SUCH MEASURES REQUIRED TO PROVIDE FOR THE PREVENTION, CONTROL AND ABATEMENT OF STORM WATER OR DISCHARGES AND DAMAGE RESULTING THEREFROM. THE COST FOR ANY REPAIRS DUE TO SUCH DAMAGE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
15. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR DEVELOPING WATER SOURCES AT THE PROJECT AND SUPPLY OF ALL LABOR AND EQUIPMENT TO COLLECT, LOAD, TRANSPORT, APPLY, AND DISPOSE OF WATER AS NECESSARY FOR COMPACTION OF MATERIALS, TESTING, DUST CONTROL AND OTHER CONSTRUCTION USE AS DESCRIBED IN THE SPECIFICATIONS. WATER POND LOCATION SHOWN ON SHEET 2 SITE PLAN.
16. THE CONTRACTOR SHALL PROVIDE A SITE SPECIFIC HEALTH AND SAFETY PLAN WITH THE SIGNED CONTRACT DOCUMENTS THAT MEETS THE MINIMUM OF ALL THE REQUIREMENTS OF FEDERAL AND STATE REGULATIONS THROUGH THE CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ADHERENCE TO THE SITE SPECIFIC HEALTH AND SAFETY PLAN AT ALL TIMES.
17. THE ENGINEER WILL ESTABLISH BENCHMARKS AND PRIMARY CONTROL POINTS OUTSIDE THE WORK LIMITS. THE CONTRACTOR SHALL EMPLOY A CALIFORNIA LICENSED LAND SURVEYOR OR A REGISTERED CIVIL ENGINEER AUTHORIZED TO PERFORM LAND SURVEYING, LICENSED IN THE STATE OF CALIFORNIA TO PROVIDE ALL LINES AND GRADES NECESSARY TO PERFORM THE WORK, AND TO COLLECT DATA FOR RECORD DRAWINGS. ALL SURVEYS REQUIRED FOR QUANTITY VERIFICATION ARE TO BE PROVIDED BY THE ENGINEER. WASTE EXCAVATION VOLUMES WILL BE SURVEYED BY THE ENGINEER USING PHOTOGRAMMETRIC AERIAL SURVEYS ON A MONTHLY BASIS. THE ENGINEER WILL COMPILE AERIAL SURVEY DATA AND PROVIDE VOLUME INFORMATION TO THE CONTRACTOR FOR THEIR USE.
18. ALL EARTHWORK SHALL CONFORM TO THE FOLLOWING REQUIREMENTS, WHERE APPLICABLE, UNLESS OTHERWISE NOTED:
    - A. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SATISFACTORY COMPLETION OF ALL EARTHWORK IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS.
    - B. EQUIPMENT USED IN THE EXCAVATION, TRANSPORT, STOCKPILING, PROCESSING, PLACEMENT AND COMPACTION OF ALL MATERIALS USED IN EARTHWORK CONSTRUCTION WILL BE STANDARD-OF-PRACTICE GRADING MACHINERY OF KNOWN SPECIFICATIONS SUITABLE FOR PERFORMING THE REQUIRED WORK IN A TIMELY AND EFFICIENT MANNER AND AS DESCRIBED IN THE SPECIFICATIONS.
    - C. ALL MATERIAL CONSIDERED BY THE ENGINEER OR CQA CONSULTANT TO BE UNSUITABLE FOR USE IN THE CONSTRUCTION SHALL BE REMOVED. ALL MATERIALS INCORPORATED AS PART OF COMPACTED FILL MUST BE INSPECTED AND PLACEMENT MUST BE OBSERVED AND TESTED BY THE ENGINEER OR CQA CONSULTANT.
19. CONTRACTOR: THE CONTRACTOR UNDER CONTRACT WITH THE COUNTY TO EXCAVATE WASTES FROM PHASE I, RELOCATE IT TO PHASE II, AND CONSTRUCT A NEW CUSTOMER ACCESS ROAD IN GENERAL ACCORDANCE WITH THESE CONSTRUCTION DRAWINGS AND THE ASSOCIATED TECHNICAL SPECIFICATIONS.

CONSTRUCTION SYMBOLS

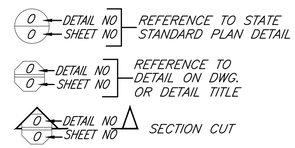


TABLE 1
PHASE I LFG WELLS TO BE DEMOLISHED DURING WASTE RELOCATION

WELL ID	SINGLE OR DUAL EXTRACTION WELL
TM-1	SINGLE
TM-2	SINGLE
TM-3	SINGLE
TM-4	SINGLE
TM-5	SINGLE
TM-6	SINGLE
TM-7	SINGLE
TM-8	SINGLE
TM-9	SINGLE
TM-10	SINGLE

TABLE 2
PHASE I GW MONITORING WELLS TO BE DECOMMISSIONED DURING WASTE RELOCATION

WELL ID	TOTAL DEPTH (FT BGS)	SCREENED INTERVAL (FT BGS)	GROUTED INTERVAL (FT BGS)	BENTONITE SEAL INTERVAL (FT BGS)	SAND INTERVAL (FT BGS)
DMW-1	140	110 TO 140	0 TO 97	97-100	100 TO 140
DMW-2	140	110 TO 140	0 TO 97	97-100	100 TO 140
DMW-3	140	110 TO 140	0 TO 97	97-100	100 TO 140
DMW-4	140	110 TO 140	0 TO 97	97-100	100 TO 140
DMW-5	140	110 TO 140	0 TO 97	97-100	100 TO 140
DMW-6	140	110 TO 140	0 TO 97	97-100	100 TO 140
DMW-7	140	110 TO 140	0 TO 97	97-100	100 TO 140
DMW-8	140	110 TO 140	0 TO 97	97-100	100 TO 140
DMW-9	140	110 TO 140	0 TO 97	97-100	100 TO 140
DMW-10	140	100 TO 140	0 TO 97	97-100	100 TO 140

NOTES:
1. ALL WELLS INSTALLED IN 10" BOREHOLES.
2. ALL WELL CASING AND SCREEN IS 4" ϕ SCHEDULE 80 PVC.
3. WELL DATA OBTAINED FROM THE DEPARTMENT OF WATER RESOURCES WELL INSTALLATION LOG.

	DATE
DESIGNED SRF	10/25/21
DRAWN JMG	10/25/21
CHECKED JVR	10/25/21
REVISION	

RECORD DRAWING

RESIDENT ENGINEER	DATE

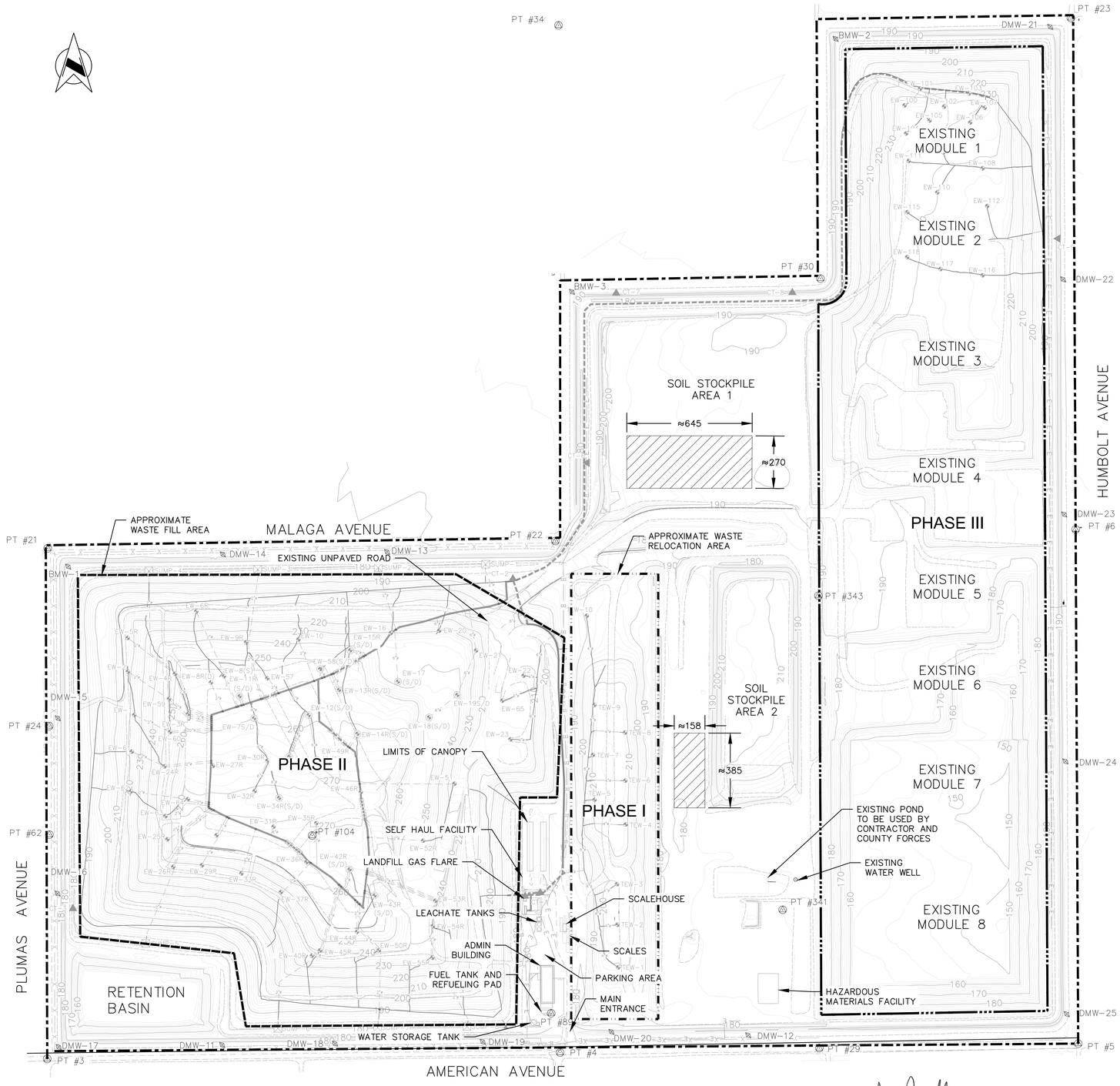
Scale in Feet
Horiz.
Vert.

RECORD ENGINEER
JACOB RUSSELL, PE C64512
10/25/21
DATE

REGISTERED PROFESSIONAL ENGINEER
JACOB V. RUSSELL
64512
EXP. 6-30-23
CIVIL
STATE OF CALIFORNIA

PROJECT
AMERICAN AVENUE DISPOSAL SITE
PHASE I WASTE RELOCATION

DEPARTMENT OF PUBLIC WORKS AND PLANNING
GENERAL NOTES
Drawing No. 11298 Sheet No. 1 Total 37



LEGEND

- EXISTING 10 FT CONTOUR
- EXISTING 2 FT CONTOUR
- SITE BOUNDARY
- LIMIT OF STAGING AREA (8)
- EXISTING PAVED ROADS
- EXISTING UNPAVED ROADS
- EXISTING ABOVE GRADE GCCS HEADER CROSSING
- EXISTING BURIED 480 VOLT ELECTRIC LINE
- APPROXIMATE LIMIT OF WASTE RELOCATION AREA
- APPROXIMATE LIMIT OF PHASE II WASTE FILL AREA
- APPROXIMATE LIMIT OF PHASE III WASTE FILL AREA
- EXISTING FENCE
- EXISTING LFG EXTRACTION WELL
- EXISTING MULTIPLE COMPLETION LFG EXTRACTION WELL
- EXISTING REMOTE WELLHEAD
- EXISTING LEACHATE SUMP
- EXISTING CONDENSATE TRAP
- EXISTING LFG HEADER BELOW GROUND, HDPE SDR 17
- EXISTING LFG HEADER ABOVE GROUND, HDPE SDR 17
- EXISTING LFG LATERAL BELOW GROUND, HDPE SDR 17
- EXISTING LFG LATERAL ABOVE GROUND, HDPE SDR 17
- DMW/BMW-1 EXISTING GROUNDWATER MONITORING WELL
- CONTROL POINT(9)

NOTES

1. *EXISTING TOPOGRAPHY BASED ON PHOTOGRAPHIC AERIAL SURVEY PERFORMED IN DECEMBER 31, 2018.*
2. *PERIMETER OF CONSTRUCTION SITE MUST BE SECURED BY CONTRACTOR BEFORE END OF DAILY CONSTRUCTION ACTIVITY.*
3. *ALL EXISTING DRAINAGE DITCHES TO REMAIN.*
4. *NOT ALL CONTROL POINTS ARE SHOWN ON THE SITE PLAN FOR CLARITY. THEIR COORDINATES AND DESCRIPTIONS ARE SHOWN IN TABLE ON THIS SHEET.*
5. *BASIS OF BEARINGS AND VERTICAL CONTROL ARE PER COUNTY SURVEY INFORMATION DATED JUNE 2019.*
6. *DEPICTED PHASE II GAS COLLECTION AND CONTROL SYSTEM IS BASED ON THE TETRA–TECH/BAS DRAFT "LANDFILL GAS COLLECTION AND CONTROL SYSTEM (LFGCCS) COORDINATION PLAN PHASE I WASTE RELOCATION IN PHASE II" DOCUMENT DATED OCTOBER 29, 2018. THE COORDINATION PLAN IS AVAILABLE TO THE CONTRACTOR IN THE PROJECT DETAILS IN THE PROJECT TECHNICAL SPECIFICATIONS.*
7. *THE CONTRACTOR WILL BE REQUIRED TO USE AS–BUILT CROSSINGS ON PHASE II TOP DECK AT THE TIME OF CONSTRUCTION. CONTRACTOR WILL NOT BE ALLOWED TO ADD MORE CROSSINGS THAN ALREADY BUILT. CONTRACTOR IS RESPONSIBLE FOR BUILDING AND MAINTAINING TEMPORARY ACCESS ROADS FOR PLACING WASTE DURING STAGING.*
8. *STAGING AREA LOCATION IS SUBJECT TO CHANGE AND MUST BE APPROVED BY THE COUNTY/ENGINEER.*
9. *COUNTY WILL PROVIDE CONTROL POINT TABLE AT THE TIME OF CONSTRUCTION.*

BASIS OF BEARINGS

THE LINE FROM THE NORTH 1/4 CORNER OF SECTION 5, TOWNSHIP 15 SOUTH, RANGE 17 EAST TO THE NORTHWEST CORNER OF SECTION 3, TOWNSHIP 15 SOUTH, RANGE 17 EAST MOUNT DIABLO BASELINE AND MERIDIAN, BEARS NORTH 89°06'11" EAST PER FRESNO COUNTY SURVEYS AUTOCAD DRAWING "AMERICA MASTER DWG.DWG" (12–12–03).

BASIS OF VERTICAL CONTROL

FRESNO COUNTY BENCHMARK LH19B ON THE NORTHEAST CORNER OF AMERICAN AVENUE AND PLUMAS AVENUE HAS AN ELEVATION OF 177.208' (NGVD29) PER FRESNO COUNTY RECORDS.

	DATE
DESIGNED SRF	10/25/21
DRAWN JMG	10/25/21
CHECKED JVR	10/25/21
REVISION	

RECORD DRAWING

RESIDENT ENGINEER	DATE

Scale in Feet

Horiz. 0 300 600

RECORD ENGINEER — DATE 10/25/21

JACOB RUSSELL, PE C64512

REGISTERED PROFESSIONAL ENGINEER — JACOB V. RUSSELL — 64512 — EXP. 6-30-23 — Civil — STATE OF CALIFORNIA

PROJECT

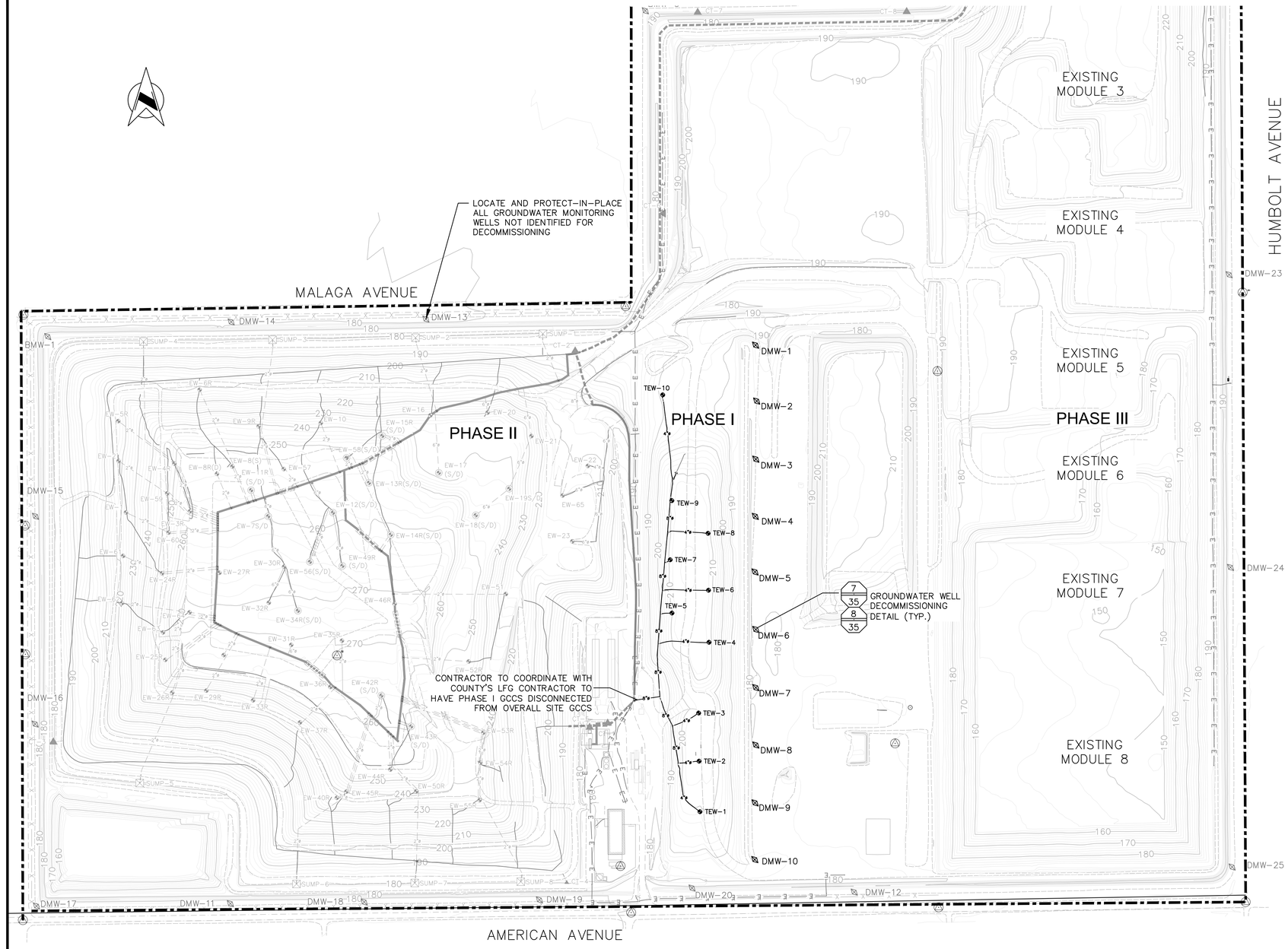
AMERICAN AVENUE DISPOSAL SITE

PHASE I WASTE RELOCATION

DEPARTMENT OF PUBLIC WORKS AND PLANNING

SITE PLAN AND SURVEY CONTROL

Drawing No. 11298 | Sheet No. 2 | Total 37



LEGEND

- EXISTING 10 FT CONTOUR
- EXISTING 2 FT CONTOUR
- SITE BOUNDARY
- EXISTING PAVED ROADS
- EXISTING UNPAVED ROADS
- EXISTING ABOVE GRADE GCCS HEADER CROSSING
- EXISTING BURIED 480 VOLT ELECTRIC LINE
- EXISTING FENCE
- EXISTING LFG EXTRACTION WELL
- EXISTING MULTIPLE COMPLETION LFG EXTRACTION WELL
- TEW-1 EXISTING LFG EXTRACTION WELL TO BE DEMOLISHED[5]
- EXISTING REMOTE WELLHEAD
- EXISTING LEACHATE SUMP
- EXISTING CONDENSATE TRAP
- EXISTING LFG HEADER BELOW GROUND
- EXISTING LFG HEADER ABOVE GROUND
- EXISTING LFG LATERAL BELOW GROUND
- EXISTING LFG LATERAL ABOVE GROUND
- EXISTING LFG LATERAL BELOW GROUND TO BE REMOVED AND DISPOSED[5]
- EXISTING LFG LATERAL ABOVE GROUND TO BE REMOVED AND DISPOSED[5]
- DMW/BMW-1 EXISTING GROUNDWATER MONITORING WELL
- DMW-1 EXISTING GROUNDWATER MONITORING WELL TO BE DECOMMISSIONED
- CONTROL POINT

NOTES

1. *EXISTING TOPOGRAPHY BASED ON PHOTOGRAPHIC AERIAL SURVEY PERFORMED IN DECEMBER 31, 2018.*
2. *THE CONTRACTOR SHALL PROTECT ALL NON-DECOMISSIONED/NON-DEMOLISHED ENVIRONMENTAL MONITORING AND CONTROL SYSTEM EQUIPMENT DURING CONSTRUCTION.*
3. *REFERENCE TABLES 1 AND 2 ON SHEET NO. 1 FOR TABULATED WELL INFO.*
4. *THE CONTRACTOR (SEE DEFINITION IN GENERAL NOTES ON SHEET 1, AND IN THE TECHNICAL SPECIFICATIONS) SHALL VERIFY ALL PIPE SIZES IN THE FIELD.*
5. *THE CONTRACTOR SHALL COORDINATE WITH THE COUNTY AND THEIR LFG CONTRACTOR FOR ANY REQUIRED WORK INVOLVING THE PHASE I OR II GCCS A MINIMUM OF 5 WORKING DAYS IN ADVANCE OF WORK. THE CONTRACTOR SHALL NOT MODIFY OR DISCONNECT ANY GCCS COMPONENTS WITHOUT PRIOR COORDINATION.*
6. *THE CONTRACTOR IS DIRECTED TO REVIEW AND UNDERSTAND THE TETRA-TECH/BAS DRAFT "LANDFILL GAS COLLECTION AND CONTROL SYSTEM (LFGCCS) COORDINATION PLAN PHASE I WASTE RELOCATION IN PHASE II" DOCUMENT DATED OCTOBER 29, 2018. THE COORDINATION PLAN IS AVAILABLE AS A PART OF PROJECT DETAILS.*

	DATE
DESIGNED SRF	10/25/21
DRAWN JMG	10/25/21
CHECKED JVR	10/25/21
REVISION	

RECORD DRAWING

RESIDENT ENGINEER	DATE

Scale in Feet

Horiz. 0 250 500

RECORD ENGINEER
JACOB RUSSELL, PE C64512

10/25/21
DATE

REGISTERED PROFESSIONAL ENGINEER * JACOB V. RUSSELL * 64512 EXP. 6-30-23 CIVIL * STATE OF CALIFORNIA *

PROJECT

AMERICAN AVENUE DISPOSAL SITE
PHASE I WASTE RELOCATION

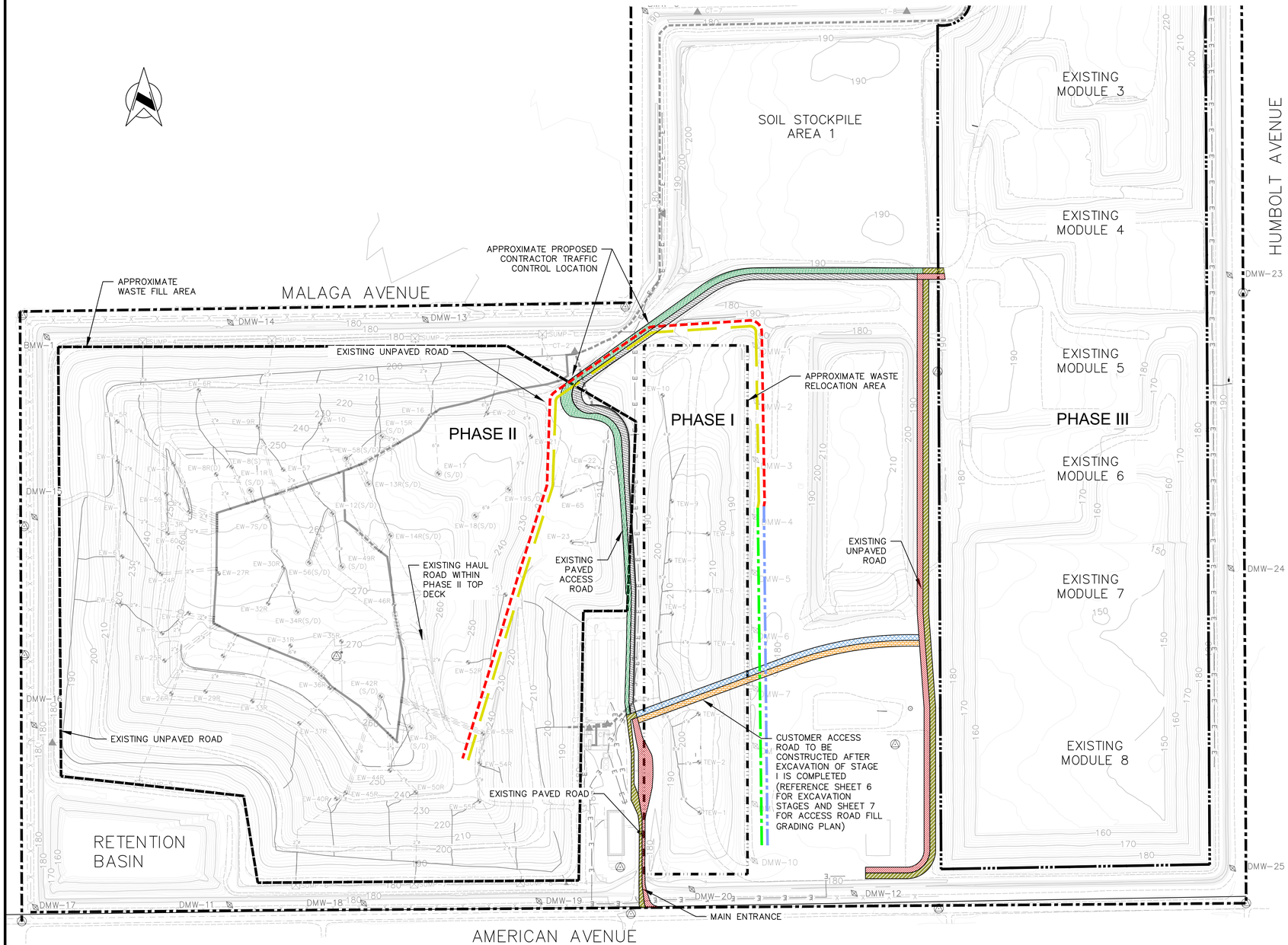
THE COUNTY OF FRESNO

DEPARTMENT OF PUBLIC WORKS AND PLANNING

DEMOLITION AND DECOMMISSIONING PLAN

Drawing No. 11298 Sheet No. 3 Total 37

LOCATION: n:\americus ave_fresno, county of\2018\a008_americus ave_close closure\task 5 permits\CAD\working drawings\02 SHEETS 2-4 SITE PLAN_2019111.dwg DATE: 10/25/2021 1:54 PM PLOT SCALE = 1:1 PLOTTED BY: GLA USER



LEGEND

- EXISTING 10 FT CONTOUR
- EXISTING 2 FT CONTOUR
- SITE BOUNDARY
- APPROXIMATE LIMIT OF WASTE RELOCATION AREA
- APPROXIMATE LIMIT OF PHASE II WASTE FILL AREA
- APPROXIMATE LIMIT OF PHASE III WASTE FILL AREA
- EXISTING PAVED ROADS
- EXISTING UNPAVED ROADS
- EXISTING ABOVE GRADE GCCS HEADER CROSSING
- PROPOSED NEW CUSTOMER ACCESS ROAD
- EXISTING BURIED 480 VOLT ELECTRIC LINE
- EXISTING FENCE
- EXISTING LFG EXTRACTION WELL
- EXISTING MULTIPLE COMPLETION LFG EXTRACTION WELL
- TEW-1 EXISTING REMOTE WELLHEAD
- EXISTING LEACHATE SUMP
- EXISTING CONDENSATE TRAP
- EXISTING LFG HEADER BELOW GROUND, HDPE SDR 17
- EXISTING LFG HEADER ABOVE GROUND, HDPE SDR 17
- EXISTING LFG LATERAL BELOW GROUND, HDPE SDR 17
- EXISTING LFG LATERAL ABOVE GROUND, HDPE SDR 17
- DMW/BMW- EXISTING GROUNDWATER MONITORING WELL
- CONTROL POINT
- LOADED HAUL TRUCK ROUTE FROM PHASE I TO PHASE II FOR DURATION OF PROJECT
- EMPTY HAUL TRUCK ROUTE FROM PHASE II TO PHASE I FOR DURATION OF PROJECT
- LOADED HAUL TRUCK ROUTE FROM PHASE I TO PHASE II TO BE USED UNTIL SOUTHERN END OF PHASE I IS EXCAVATED[6]
- EMPTY HAUL TRUCK ROUTE FROM PHASE II TO PHASE I TO BE USED UNTIL SOUTHERN END OF PHASE I IS EXCAVATED[6]
- LANDFILL CUSTOMER/HAULER OUTBOUND ROUTE TO BE USED FOR DURATION OF PROJECT
- LANDFILL CUSTOMER/HAULER INBOUND ROUTE TO BE USED FOR DURATION OF PROJECT
- LANDFILL CUSTOMER/HAULER OUTBOUND ROUTE TO BE USED UNTIL NEW CUSTOMER ACCESS ROAD IS COMPLETED
- LANDFILL CUSTOMER/HAULER INBOUND ROUTE TO BE USED FOR DURATION OF PROJECT TO BE USED UNTIL NEW CUSTOMER ACCESS ROAD IS COMPLETED
- LANDFILL CUSTOMER/HAULER OUTBOUND ROUTE TO BE USED AFTER NEW CUSTOMER ACCESS ROAD IS COMPLETED
- LANDFILL CUSTOMER/HAULER INBOUND ROUTE TO BE USED AFTER NEW CUSTOMER ACCESS ROAD IS COMPLETED

NOTES

1. *EXISTING TOPOGRAPHY BASED ON PHOTOGRAPHIC AERIAL SURVEY PERFORMED IN DECEMBER 31, 2018.*
2. *CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW AND COMMENTS BY COUNTY PRIOR TO START OF CONSTRUCTION. THE TRAFFIC CONTROL PLAN SHALL INCLUDE PLANNED EXCAVATION ACCESS, WASTE HAULAGE ROUTES, TRAFFIC CONTROL AND SAFETY ELEMENTS, AS WELL AS ANY OTHER INFORMATION REQUIRED BY THE PROJECT TECHNICAL SPECIFICATIONS.*
3. *ALL EXISTING DRAINAGE DITCHES TO REMAIN.*
4. *PROPOSED CUSTOMER ACCESS HAUL ROAD TO BE CONSTRUCTED AFTER EXCAVATION AND REMOVAL OF WASTES FROM THE SOUTHERN THIRD OF PHASE I, CONFIRMATION OF WASTE REMOVAL VIA ANALYTICAL TESTING, AND APPROVAL FROM THE RWQCB.*
5. *AFTER COMPLETION OF WASTE EXCAVATION AND REMOVAL AT THE SOUTHERN END OF PHASE I AND COMPLETION OF THE NEW CUSTOMER ACCESS ROAD, CUSTOMER INBOUND AND OUTBOUND TRAFFIC WILL BE TRANSITIONED TO THE NEW ROAD TO REDUCE COMMINGLING OF CUSTOMER AND CONSTRUCTION TRAFFIC.*
6. *WASTE RELOCATION CONSTRUCTION TRAFFIC SHALL NOT CROSS NEW CUSTOMER ACCESS ROAD AFTER IT HAS BEEN OPENED TO CUSTOMER/HAULER TRAFFIC WITHOUT PRIOR APPROVAL BY OWNER.*

	DATE
DESIGNED SRF	10/25/21
DRAWN JMG	10/25/21
CHECKED JVR	10/25/21
REVISION	

RECORD DRAWING

RESIDENT ENGINEER	DATE

Scale in Feet

Horiz. 0 250 500

LOCATION: n:\americas ave_fresno, county of\2018.e088_americas ave_disco closure\task 5 permit\CAD\working drawings\V2 SHEETS U-4 SITE PLAN_091811.dwg DATE: 10/25/2021 1:34 PM PLOT SCALE = 1:1 PLOTTED BY: GLA USER

RECORD ENGINEER
JACOB RUSSELL, PE C64512

10/25/21
DATE

REGISTERED PROFESSIONAL ENGINEER * JACOB V. RUSSELL * 64512 EXP. 6-30-23 CIVIL * STATE OF CALIFORNIA

PROJECT

AMERICAN AVENUE DISPOSAL SITE
PHASE I WASTE RELOCATION

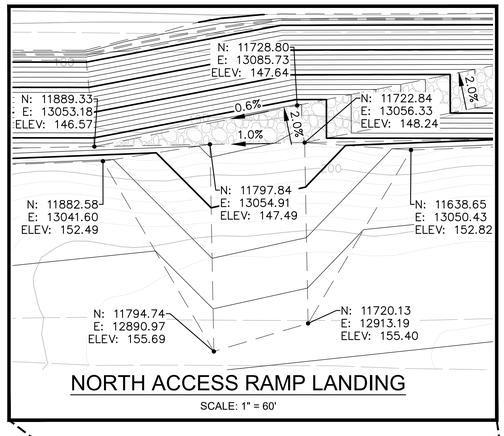
THE COUNTY OF FRESNO

DEPARTMENT OF PUBLIC WORKS AND PLANNING

TRAFFIC ROUTING PLAN

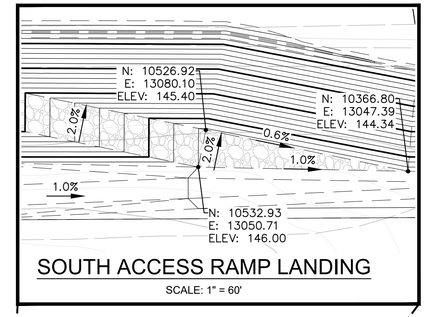
Drawing No. 11298 Sheet No. 4 Total 37

GEOSYNTHETIC LINER POINT TABLE				
POINT #	SUMP	NORTHING	EASTING	ELEVATION
1	NORTH	12494.10	13031.82	136.14
2		12474.10	13031.82	136.08
3		12494.10	13011.82	136.13
4		12474.10	13011.82	136.07
5	SOUTH	10341.60	13045.82	144.07
6		10321.60	13045.82	144.26
7		10341.60	13025.82	144.26
8		10321.60	13025.82	144.38



NORTH ACCESS RAMP LANDING

SCALE: 1" = 60'



SOUTH ACCESS RAMP LANDING

SCALE: 1" = 60'

CUSTOMER ACCESS ROAD TO BE CONSTRUCTED AFTER EXCAVATION OF STAGE I IS COMPLETED (REFERENCE SHEET 6 FOR EXCAVATION STAGES AND SHEET 7 FOR ACCESS ROAD FILL GRADING PLAN)

~2480'

NORHTERN LIMITS OF PHASE I EXCAVATION MAY CHANGE BASED ON ACTUAL LIMITS OF WASTE ENCOUNTERED[11]

INSTALL 20' x 20' GEOSYNTHETIC LINER FOR LOW POINT[12,13,14,15,16]

STORMWATER DIVERSION BERM AROUND WASTE EXCAVATION

INSTALL 20' x 20' GEOSYNTHETIC LINER FOR LOW POINT[12,13,14,15,16]

~430'

~380'

INTERMEDIATE SOIL COVER (TYP.) REFERENCE SHEET 26 FOR COVER GRADING

CREST OF EXCAVATION TO HAVE 15' MIN. CLEARANCE TO LIVE 480V ELECTRICAL LINE (TYP.)

INTERMEDIATE SOIL COVER (TYP.) REFERENCE SHEET 26 FOR COVER GRADING

EXISTING GCCS HEADER (PROTECT IN PLACE)

CAUTION: LIVE 480V BURIED ELECTRICAL LINE WILL REMAIN ACTIVE THROUGHOUT PROJECT. MAINTAIN MINIMUM CLEARANCE AT ALL TIMES WHEN EXCAVATING AND WORKING IN PROXIMITY TO IT.

CONDUIT CONTAINS FIBER OPTIC LINE

PHASE II

LEGEND

- EXISTING 10 FT CONTOUR
- EXISTING 2 FT CONTOUR
- PROPOSED 10 FT CONTOUR
- PROPOSED 2 FT CONTOUR
- LIMITS OF PHASE 1 WASTE EXCAVATION EARTHWORK
- PROPOSED PAVED ROADS
- PROPOSED UNPAVED ROADS
- EXISTING PAVED ROADS
- EXISTING UNPAVED ROADS
- APPROXIMATE LOCATION OF 480 VOLT ELECTRIC LINE
- PROPOSED SAMPLING GRID
- CONTROL POINT
- EXISTING BELOW GRADE GCCS HEADER
- EXISTING ABOVE GRADE GCCS HEADER
- HINGELINE
- CLASS 2 AGGREGATE BASE
- LAYOUT POINT (SEE POINT TABLE THIS SHEET)

NOTES:

1. *EXCAVATION CONTOURS REPRESENT THE ESTIMATED BOTTOM OF WASTE AND IMPACTED SOIL PLUS ADDITIONAL OVEREXCAVATION FOR MANAGEMENT OF STORMWATER. EXCAVATION MAY BE SHALLOWER OR DEEPER BASED ON ACTUAL CONDITIONS ENCOUNTERED.*
2. *ALL AREAS SHALL BE GRADED BY CONTRACTOR TO DRAIN TO LINED LOW POINTS.*
3. *CONTRACTOR SHALL REMOVE IMPACTED SOIL FROM BOTTOM OF EXCAVATION AS DIRECTED BY ENGINEER.*
4. *EXISTING TOPOGRAPHY BASED ON PHOTOGRAPHIC AERIAL SURVEY PERFORMED IN DECEMBER 2018.*
5. *PHASING OF WASTE RELOCATION EXCAVATION WORK IS SHOWN ON SHEET 6.*
6. *EXCAVATION SHALL BE MONITORED FOR ENVIRONMENTAL AND HEALTH AND SAFETY PURPOSES AT ALL TIMES DURING WORK.*
7. *EXCAVATION WORK SHALL BE COMPLETED IN A MANNER TO REDUCE THE POTENTIAL FOR STORMWATER CONTACT WITH WASTES.*
8. *SAMPLING GRID TO BE USED BY CQA CONSULTANT FOR SELECTING RANDOM SAMPLING LOCATIONS WITHIN EXCAVATION AREA.*
9. *ALL EXPOSED WASTES SHALL BE COVERED AT THE CONCLUSION OF EACH WORKING DAY AS DESCRIBED IN THE PROJECT SPECIFICATIONS.*
10. *NEW CUSTOMER ACCESS ROAD SHALL BE CONSTRUCTED AFTER STAGE 1 OF THE PHASE I EXCAVATION HAS BEEN COMPLETED AND ANALYTICAL TESTING CONFIRMS WASTE HAS BEEN REMOVED. REFERENCE SHEET 6 FOR EXCAVATION SEQUENCE.*
11. *NORTH END OF PHASE I EXCAVATION SHALL PROCEED TO THE NORTH UNTIL ALL WASTE HAS BEEN EXCAVATED. REFERENCE SECTION C ON SHEET 28.*
12. *GEOSYNTHETIC LINER TO BE EPDM, MINIMUM 45–mil THICK, OR APPROVED ALTERNATIVE.*
13. *AT A MINIMUM, CONTRACTOR IS TO PREPARE THE LINER SUBGRADE BY SMOOTH DRUM ROLLING, REMOVING ROCKS OR CLODS THAT PROTRUDE MORE THAN ½", AND CORRECTING ANY RUTTING OR OTHER ABRUPT GRADE CHANGES IN EXCESS OF ½".*
14. *ANCHOR GEOSYNTHETIC LINER PER MANUFACTURER RECOMMENDATIONS.*
15. *UNLESS DIRECTED OTHERWISE BY OWNER, CONTRACTOR SHALL SUPPLY A GEOSYNTHETIC LINER CAPABLE OF BEING EXPOSED TO ULTRAVIOLET RADIATION FOR A DURATION OF AT LEAST 10 YEARS WITHOUT EXHIBITING DEGRADATION. OWNER SHALL APPROVE SELECTED GEOSYNTHETIC.*
16. *PREPARE GEOSYNTHETIC SUBGRADE AND INSTALL GEOSYNTHETICS PER MANUFACTURER RECOMMENDATIONS.*

	DATE
DESIGNED SRF	10/25/21
DRAWN JMG	10/25/21
CHECKED JVR	10/25/21
REVISION	

RECORD DRAWING

RESIDENT ENGINEER	DATE

Scale in Feet

Horiz. 0 100 200

RECORD ENGINEER
JACOB RUSSELL, PE C64512

10/25/21
DATE

REGISTERED PROFESSIONAL ENGINEER
JACOB V. RUSSELL
64512
EXP 6-30-23
CIVIL
STATE OF CALIFORNIA

PROJECT

AMERICAN AVENUE DISPOSAL SITE
PHASE I WASTE RELOCATION

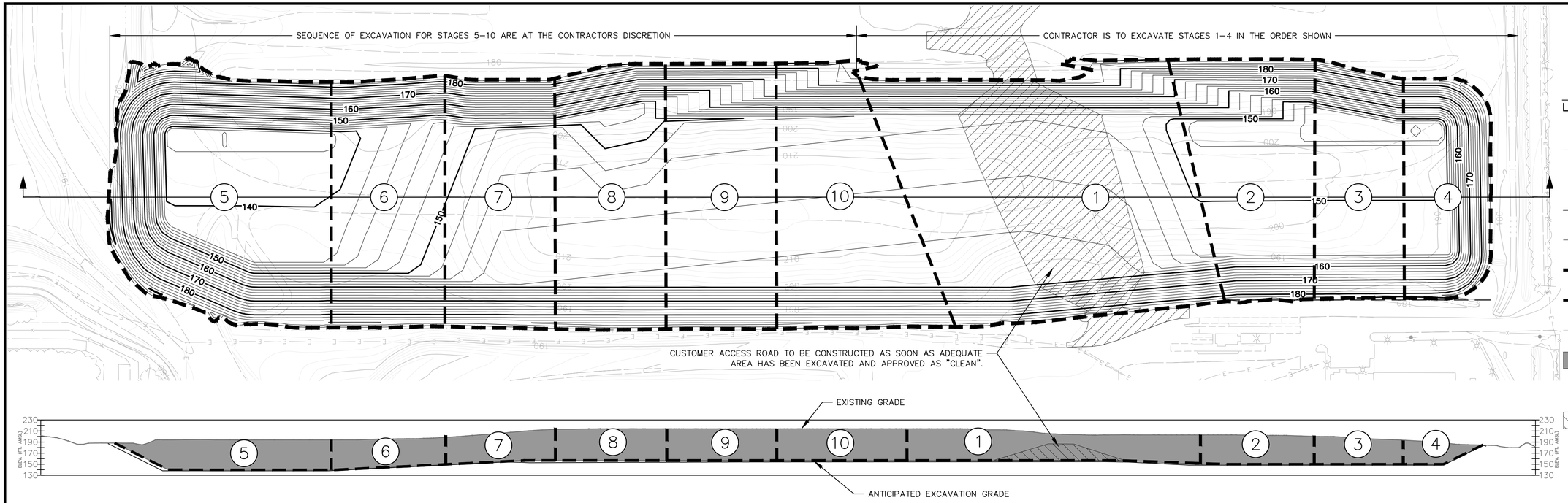
THE COUNTY OF FRESNO

DEPARTMENT OF PUBLIC WORKS AND PLANNING

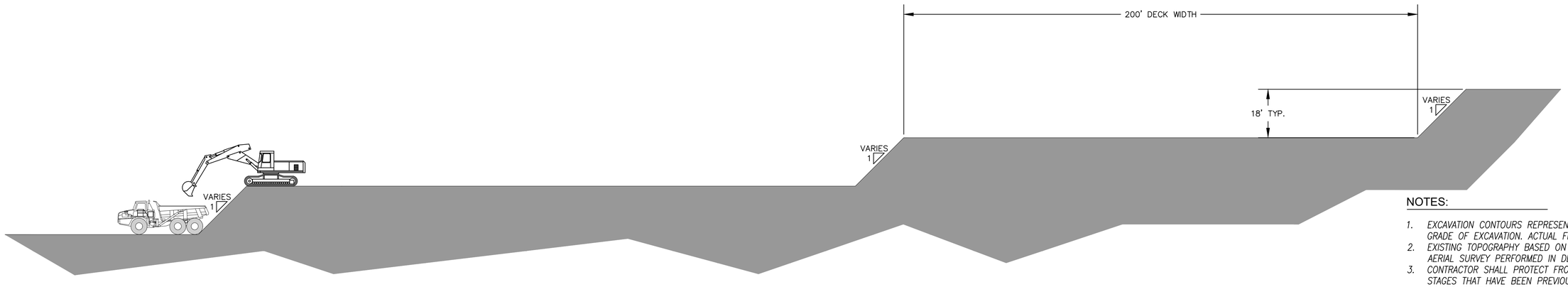
PHASE I EXCAVATION GRADING

Drawing No. 11298 Sheet No. 5 Total 37

LOCATION: n:\americus ave_fresno, county of\2018.a006_americus ave_close closure\task 5 pmods\CAD\working drawings\V2 SHEET 5 RE PLAN 102618.dwg DATE: 10/26/2021 1:05 PM PLOT SCALE = 1:1 PLOTTED BY: GLA USER



CONCEPTUAL EXCAVATION PLAN:
PRE-CONSTRUCTION CONDITIONS & ANTICIPATED EXCAVATION GRADES



A/1 CONCEPTUAL EXCAVATION TIERS

NOT TO SCALE

NOTES:

1. *EXCAVATION CONTOURS REPRESENT ANTICIPATED FINISH GRADE OF EXCAVATION. ACTUAL FINISH GRADE MAY VARY.*
2. *EXISTING TOPOGRAPHY BASED ON PHOTOGRAPHIC AERIAL SURVEY PERFORMED IN DECEMBER 2018.*
3. *CONTRACTOR SHALL PROTECT FROM CONTAMINATION STAGES THAT HAVE BEEN PREVIOUSLY EXCAVATED AND CONFIRMED TO BE FREE OF WASTE.*
4. *EXCAVATION SHALL BE MONITORED FOR ENVIRONMENTAL AND HEALTH AND SAFETY PURPOSES AT ALL TIMES DURING WORK.*
5. *EXCAVATION WORK SHALL BE COMPLETED IN A MANNER TO REDUCE THE POTENTIAL FOR STORMWATER CONTACT WITH WASTES.*
6. *CUSTOMER ACCESS ROAD GRADING PLAN IS SHOWN ON SHEET 7.*

	DATE
DESIGNED SRF	10/25/21
DRAWN JMG	10/25/21
CHECKED JVR	10/25/21
REVISION	

RECORD DRAWING

RESIDENT ENGINEER	DATE

Scale in Feet

Horiz. 0 100 200

Vert. 0 100 200

RECORD ENGINEER
JACOB RUSSELL, PE C64512

10/25/21
DATE

REGISTERED PROFESSIONAL ENGINEER * JACOB V. RUSSELL * 64512 * EXP. 6-30-23 * CIVIL * STATE OF CALIFORNIA *

PROJECT

AMERICAN AVENUE DISPOSAL SITE
PHASE I WASTE RELOCATION

THE COUNTY OF FRESNO

DEPARTMENT OF PUBLIC WORKS AND PLANNING

PHASE I
EXCAVATION PLAN: SEQUENCING

Drawing No. 11298 Sheet No. 6 Total 37

PHASE II

PHASE I

PHASE III

FIELD FIT TO MATCH EXISTING GRADE

STA = 6+52.93
OFFSET = −121.40

18"ϕ CORRUGATED DUAL WALLED HDPE CULVERT, 95 LF

STA = 6+24.76
OFFSET = −131.71

ROAD CROSSING AT STATION = 6+02.03

STA = 6+65.94
OFFSET = −35.86

ROCK SLOPE PROTECTION, 19 LF (SEE DETAIL 10 ON SHEET 36)

STA = 5+71.17
OFFSET = −40.26

STA = 6+79.72
OFFSET = −34.56

STA = 0+38.94
OFFSET = −77.28

EXISTING EDGE OF PAVEMENT

STA = 5+65.64
OFFSET = −42.05

STA = 5+66.30
OFFSET = −18.00

STA = 0+31.27
OFFSET = −79.84

N = 10877.03
E = 12643.99

MATCH EXISTING EDGE OF PAVEMENT. SAWCUT 6"−1' OF EXISTING PAVEMENT TO ESTABLISH A GOOD JOINT

13/37 TYPICAL VALLEY GUTTER

STA = 0+04.75
OFFSET = 145.18

STA = 0+08.82
OFFSET = 147.67

CONTRACTOR TO ADJUST GRADES TO ALLOW POSITIVE DRAINAGE SOUTH OF ACCESS ROAD TIE−IN

18"ϕ CORRUGATED DUAL WALLED HDPE CULVERT FOR CONTRACTOR AND/OR FUTURE UTILITY CROSSING AT GRADE, 71 LF

STA = 6+79.72
OFFSET = 36.16

ROAD CROSSING AT STATION = 6+22.28

STA = 6+59.75
OFFSET = 82.56

STA = 5+92.61
OFFSET = 42.54

FIELD FIT TO MATCH EXISTING GRADE

STA = 6+30.89
OFFSET = 90.75

ROCK SLOPE PROTECTION, 20 LF (SEE TO DETAIL 10 ON SHEET 36)

STA = 13+21.05
OFFSET = −267.57

STA = 13+02.12
OFFSET = −259.03

FIELD FIT TO MATCH EXISTING GRADE

STA = 13+40.12
OFFSET = −259.08

STA = 13+08.76
OFFSET = −54.32

STA = 13+04.76
OFFSET = −54.25

ROAD CROSSING AT STATION = 13+23.28

STA = 11+57.44
OFFSET = −33.63

STA = 13+91.43
OFFSET = −38.29

18"ϕ CORRUGATED DUAL WALLED HDPE CULVERT FOR CONTRACTOR AND/OR FUTURE UTILITY CROSSING AT GRADE, 68 LF

STA = 11+57.43
OFFSET = 34.16

STA = 13+05.77
OFFSET = 53.73

STA = 13+09.77
OFFSET = 53.70

FIELD FIT TO MATCH EXISTING GRADE

STA = 13+91.43
OFFSET = 36.60

STA = 13+06.07
OFFSET = 227.19

STA = 13+25.19
OFFSET = 243.60

STA = 13+44.16
OFFSET = 240.20

FIELD FIT TO MATCH EXISTING GRADE

LEGEND

- 170 — EXISTING 10 FT CONTOUR WITH PHASE I EXCAVATION GRADES
- EXISTING 2 FT CONTOUR WITH PHASE I EXCAVATION GRADES
- 170 — PROPOSED 10 FT CONTOUR
- PROPOSED 2 FT CONTOUR
- E E 480 VOLT ELECTRIC LINE
- EXISTING PAVED ROAD
- EXISTING UNPAVED ROAD
- EXISTING BELOW GROUND LFG HEADER
- EXISTING ABOVE GROUND LFG HEADER
- EDGE OF PAVEMENT
- ROAD GRADING BOUNDARY
- ROAD CENTERLINE
- EDGE OF TRAVEL LANE
- CORRUGATED DUAL WALLED HDPE CULVERT
- CONCRETE VALLEY GUTTER
- ROCK SLOPE PROTECTION
- HP HIGH POINT

NOTES:

1. EXISTING TOPOGRAPHY BASED ON PHOTOGRAPHIC AERIAL SURVEY PERFORMED IN DECEMBER 2018 AS MODIFIED BY PHASE I WASTE RELOCATION GRADING.
2. POSITIVE OFFSET EQUALS RIGHT OF CENTERLINE; NEGATIVE OFFSET EQUALS LEFT OF CENTERLINE.
3. CONSTRUCT 5 FOOT X 5 FOOT X 9 INCH DEEP DEPRESSION WITH D_{50} = 6" RSP AT EITHER END OF VALLEY GUTTER. PLACE 8 OZ NON−WOVEN GEOTEXTILE UNDER ROCK SLOPE PROTECTION AND ANCHOR PER MANUFACTURER RECOMMENDATIONS.
4. SAFETY FEATURES NOT SHOWN. REFERENCE SHEET 10 FOR FEATURES NOT SHOWN.

	DATE
DESIGNED SRF	10/25/21
DRAWN JMG	10/25/21
CHECKED JVR	10/25/21
REVISION	

RECORD DRAWING

RESIDENT ENGINEER	DATE

Scale in Feet

Horiz. 0 60 120

RECORD ENGINEER
JACOB RUSSELL, PE C64512

10/25/21
DATE

REGISTERED PROFESSIONAL ENGINEER
JACOB V. RUSSELL
64512
EXP: 6-30-23
CIVIL
STATE OF CALIFORNIA

PROJECT

AMERICAN AVENUE DISPOSAL SITE
PHASE I WASTE RELOCATION

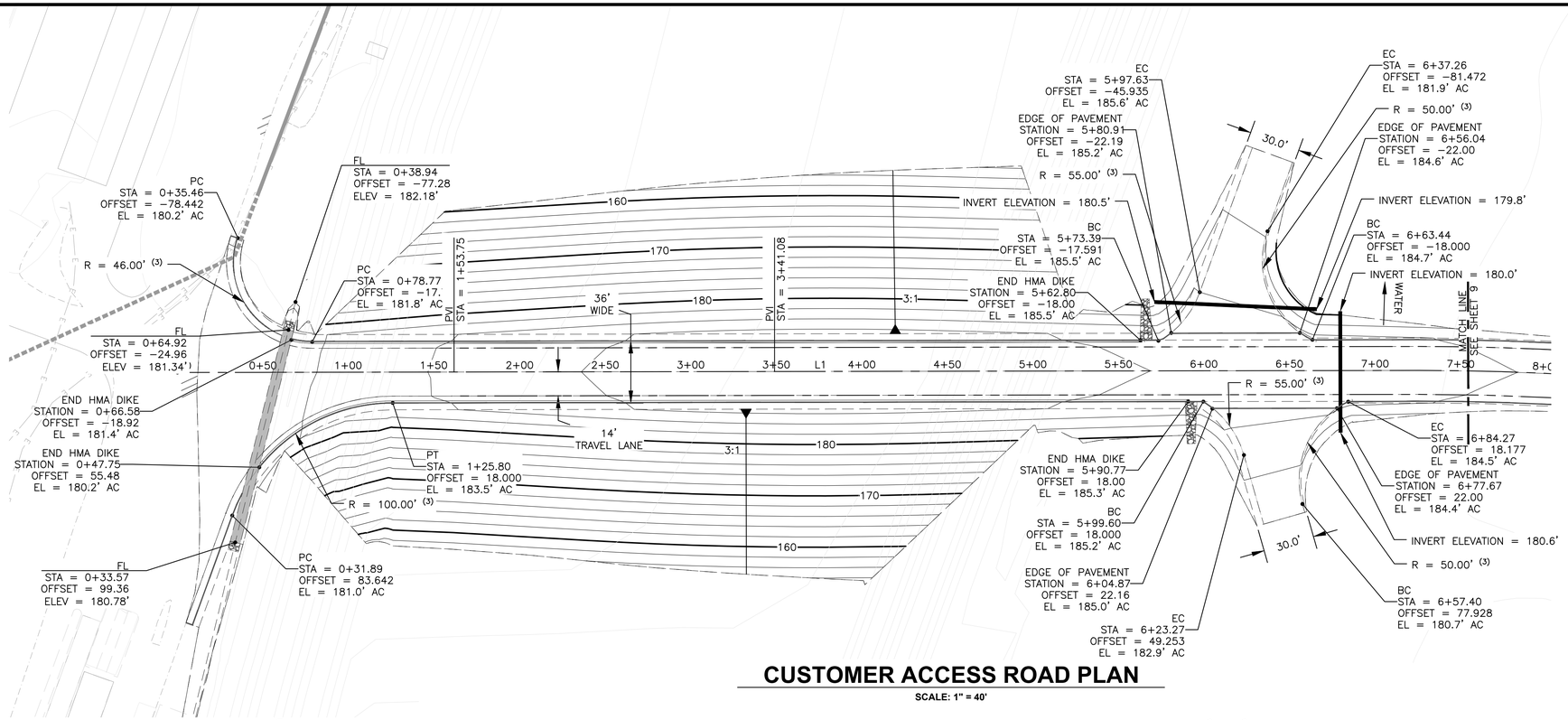
COUNTY OF FRESNO

DEPARTMENT OF PUBLIC WORKS AND PLANNING

CUSTOMER ACCESS ROAD GRADING PLAN

Drawing No. 11298 Sheet No. 7 Total 37

LOCATION: n:\americas ave_fresno, county of\2018\a006_americas ave_close closure\task 3 pwadd\CAD\working drawings\VS SHEET 7 ACCESS ROAD GRADING PLAN.dwg DATE: 10/26/2021 1:06 PM PLOT SCALE = 1:1 PLOTTED BY: OLA USER

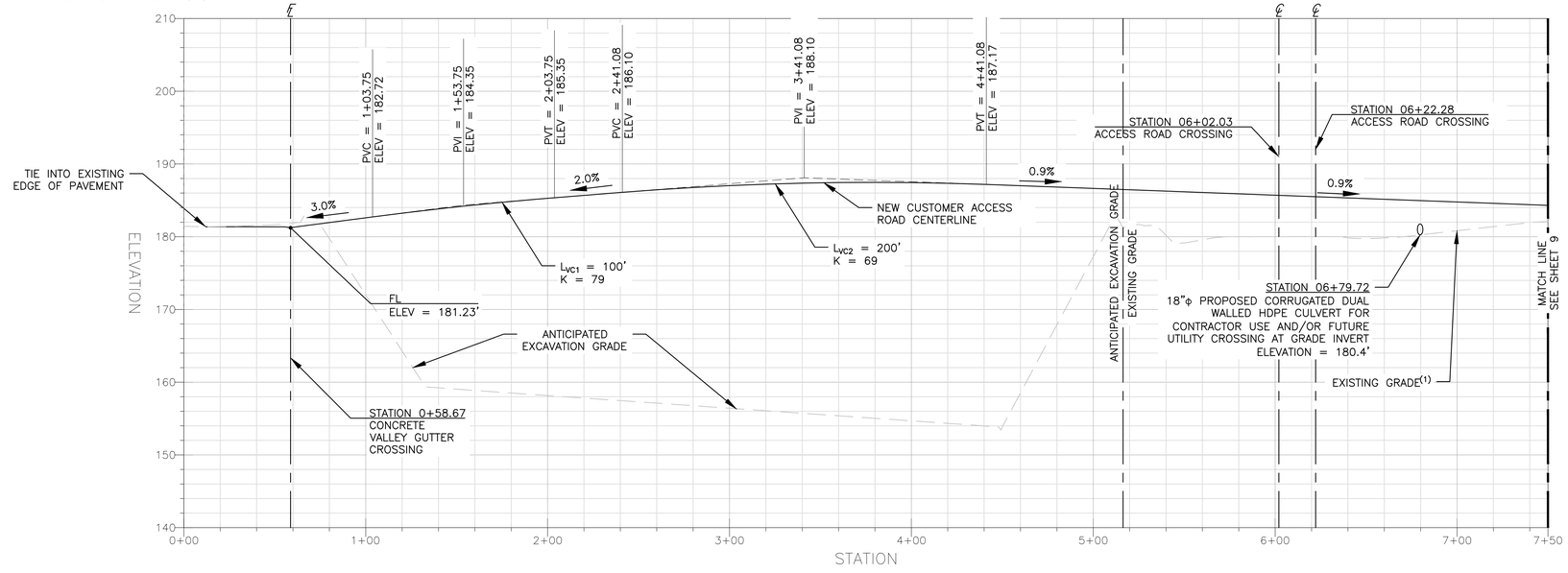


CUSTOMER ACCESS ROAD PLAN

SCALE: 1" = 40'

LEGEND

- EXISTING 10 FT CONTOUR WITH PHASE I EXCAVATION GRADES
- EXISTING 2 FT CONTOUR WITH PHASE I EXCAVATION GRADES
- PROPOSED 10 FT CONTOUR
- PROPOSED 2 FT CONTOUR
- EXISTING PAVED ROAD
- 480 VOLT ELECTRIC LINE
- EXISTING BELOW GROUND LFG HEADER
- EXISTING ABOVE GROUND LFG HEADER
- ROAD GRADING BOUNDARY
- HINGELINE
- EDGE OF PAVEMENT
- ROAD CENTERLINE
- EDGE OF TRAVEL LANE
- HMA DIKE
- CORRUGATED DUAL WALLED HDPE CULVERT
- CONCRETE VALLEY GUTTER
- ROCK SLOPE PROTECTION



CUSTOMER ACCESS ROAD PROFILE

HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE" 1" = 10'

CENTERLINE ALIGNMENT LINE TABLE				
LINE #	LENGTH	DIRECTION	START	END
L1	725.64	N69° 54' 18.57"E	0+00.00	7+25.64

NOTES:

1. EXISTING TOPOGRAPHY BASED ON PHOTOGRAPHIC AERIAL SURVEY PERFORMED IN DECEMBER 2018 AS MODIFIED BY PHASE I WASTE RELOCATION GRADING.
2. SAFETY FEATURES ARE NOT SHOWN. REFERENCE SHEET 10 FOR FEATURES NOT SHOWN.
3. RADIUS MEASURED FROM EDGE OF HMA OR AB.

	DATE
DESIGNED SRF	10/25/21
DRAWN JMG	10/25/21
CHECKED JVR	10/25/21
REVISION	

RECORD DRAWING

RESIDENT ENGINEER	DATE

Scale in Feet
Horiz. 0 40 80

RECORD ENGINEER
JACOB RUSSELL, PE C64512
10/25/21
DATE

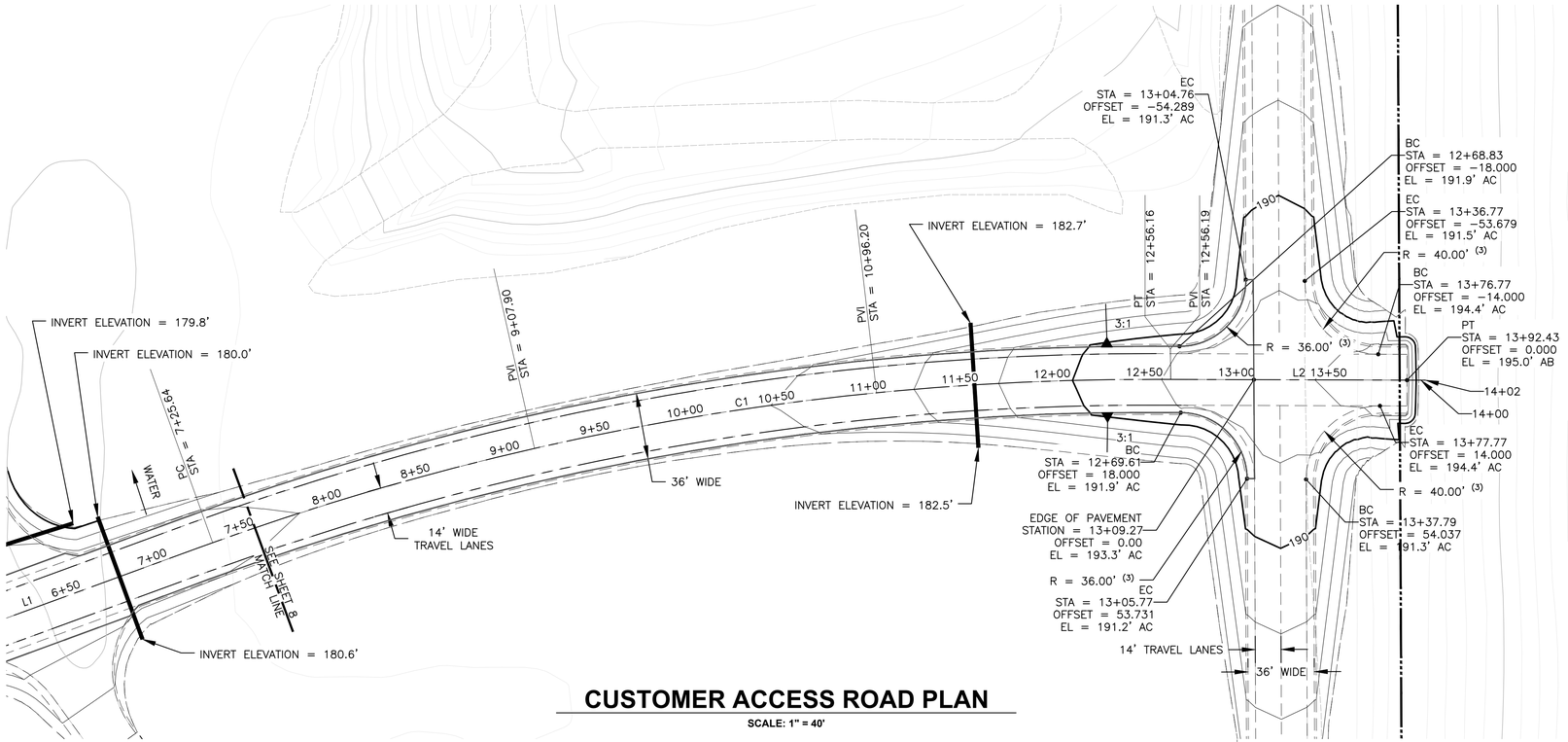
REGISTERED PROFESSIONAL ENGINEER JACOB V. RUSSELL 64512 EXP. 6-30-23 CIVIL STATE OF CALIFORNIA

PROJECT
AMERICAN AVENUE DISPOSAL SITE
PHASE I WASTE RELOCATION

DEPARTMENT OF PUBLIC WORKS AND PLANNING
ACCESS ROAD PLAN AND PROFILE

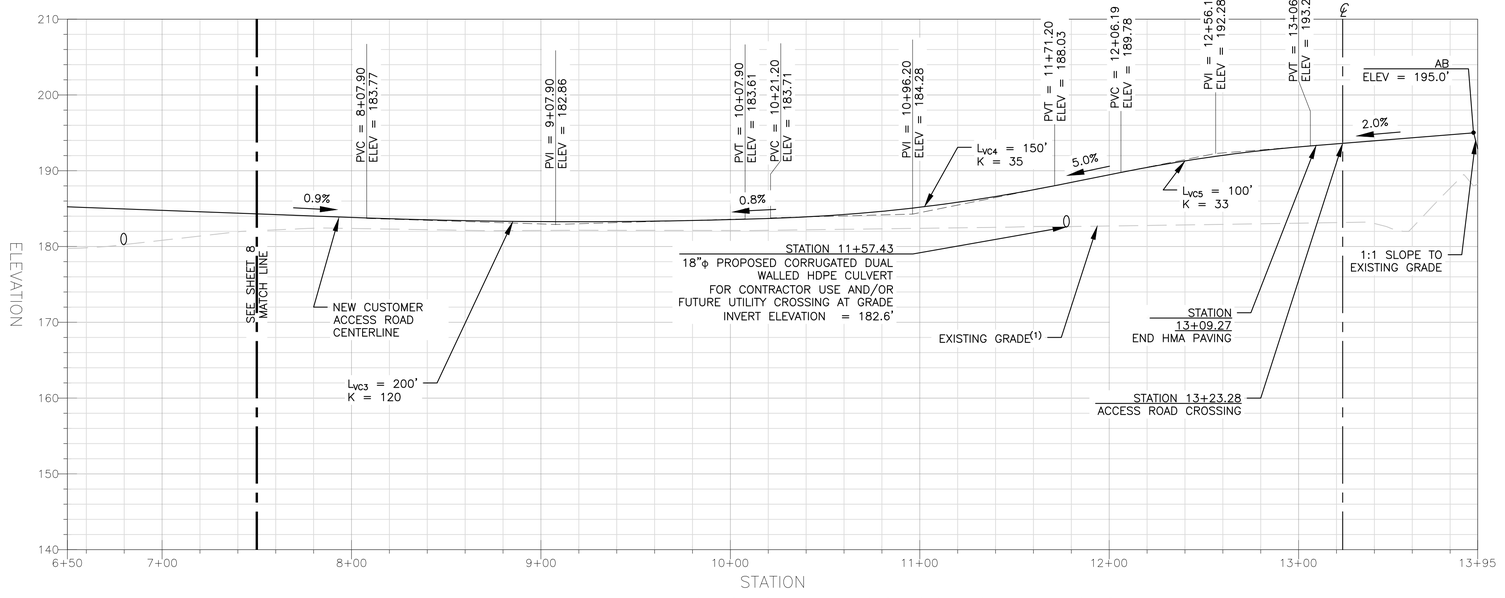
Drawing No. 11298 Sheet No. 8 Total 37

LOCATION: o:\american ave_fresno, county of\2018.a08d_american ave_close closure\task 3 pmods\CAD\working drawings\US SHEET 7 ACCESS ROAD GRADING PLAN.dwg DATE: 10/26/2021 1:36 PM PLOT SCALE = 1:1 PLOTTED BY: OLA USER



CUSTOMER ACCESS ROAD PLAN

SCALE: 1" = 40'



CUSTOMER ACCESS ROAD PROFILE

HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE" 1" = 10'

LEGEND

- EXISTING 10 FT CONTOUR WITH PHASE I EXCAVATION GRADES
- EXISTING 2 FT CONTOUR WITH PHASE I EXCAVATION GRADES
- PROPOSED 10 FT CONTOUR
- PROPOSED 2 FT CONTOUR
- EXISTING UNPAVED ROAD
- APPROXIMATE LIMIT OF PHASE III WASTE FILL AREA
- ROAD GRADING BOUNDARY
- HINGELINE
- EDGE OF PAVEMENT
- ROAD CENTERLINE
- EDGE OF TRAVEL LANE
- CORRUGATED DUAL WALLED HDPE CULVERT

CENTERLINE ALIGNMENT LINE TABLE				
LINE #	LENGTH	DIRECTION	START	END
L1	725.64	N69° 54' 18.57"E	0+00.00	7+25.64
L2	146.27	S89° 49' 49.76"E	12+56.16	14+02.43

CURVE TABLE					
CURVE #	RADIUS	LENGTH	CHORD DIRECTION	PC	PT
C1	1500.00	530.52	N80° 02' 14.41"E	7+25.64	12+56.16

NOTES:

1. *EXISTING TOPOGRAPHY BASED ON PHOTOGRAPHIC AERIAL SURVEY PERFORMED IN DECEMBER 2018 AS MODIFIED BY PHASE I WASTE RELOCATION GRADING.*
2. *SAFETY FEATURES NOT SHOWN. REFERENCE SHEET 10 FOR FEATURES NOT SHOWN.*
3. *RADIUS MEASURED FROM EDGE OF HMA OR AB.*

	DATE
DESIGNED SRF	10/25/21
DRAWN JMG	10/25/21
CHECKED JVR	10/25/21

REVISION

RECORD DRAWING

RESIDENT ENGINEER	DATE

Scale in Feet

Horiz. 0 40 80

LOCATION: o:\americus ave_fresno, county of\2018\b066_americus ave_close closure\task 3 pmods\CAD\working drawings\12 SHEET 7 ACCESS ROAD GRADING PLAN.dwg DATE: 10/25/2021 1:07 PM PLOT SCALE = 1:1 PLOTTED BY: CLA USER

RECORD ENGINEER
JACOB RUSSELL, PE C64512

10/25/21
DATE

REGISTERED PROFESSIONAL ENGINEER
JACOB V. RUSSELL
64512
EXP. 6-30-23
CIVIL
STATE OF CALIFORNIA

PROJECT

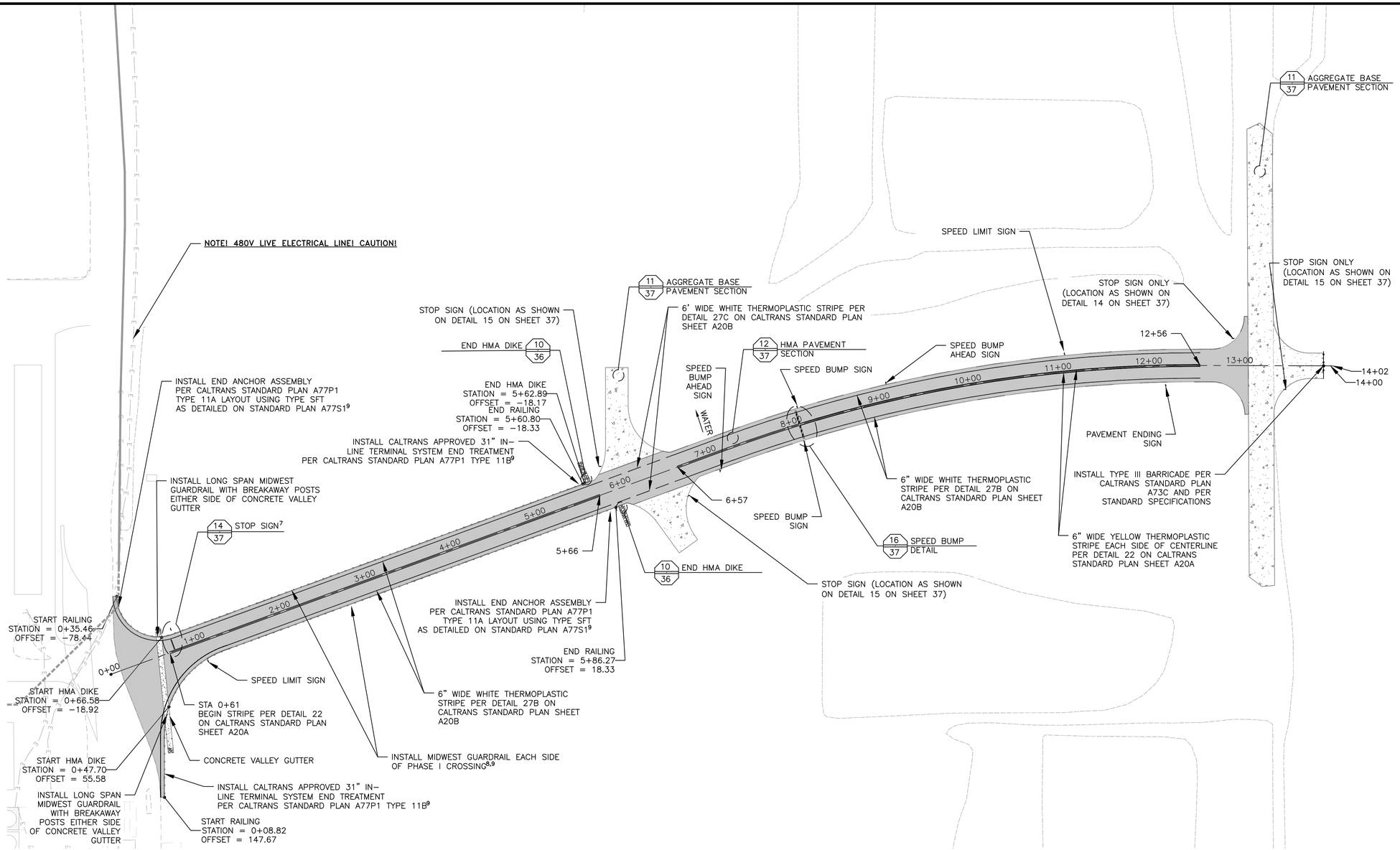
AMERICAN AVENUE DISPOSAL SITE
PHASE I WASTE RELOCATION

THE COUNTY OF FRESNO

DEPARTMENT OF PUBLIC WORKS AND PLANNING

ACCESS ROAD PLAN AND PROFILE

Drawing No. 11298 Sheet No. 9 Total 37



LEGEND

- EXISTING 10 FT CONTOUR WITH PHASE I EXCAVATION AND ACCESS ROAD GRADES
- EXISTING 2 FT CONTOUR WITH PHASE I EXCAVATION AND ACCESS ROAD GRADES
- EXISTING PAVED ROADS
- EXISTING UNPAVED ROADS
- EXISTING BELOW GROUND LFG HEADER
- EXISTING ABOVE GROUND LFG HEADER
- 6" SOLID DOUBLE YELLOW THERMOPLASTIC STRIPE[6]
- 6" SOLID WHITE THERMOPLASTIC STRIPE[6]
- 6" DASHED WHITE THERMOPLASTIC STRIPE[6]
- BARRIER RAIL[8]
- ROAD CENTERLINE
- HMA[2,3]
- CLASS 2 AGGREGATE BASE
- CONCRETE VALLEY GUTTER

NOTES:

1. *EXISTING TOPOGRAPHY BASED ON PHOTOGRAPHIC AERIAL SURVEY PERFORMED IN DECEMBER 2018.*
2. *PRIOR TO PLACEMENT OF HMA ON AGGREGATE BASE, COMPACT THE EXPOSED AGGREGATE BASE PER SECTION 26 OF THE CALTRANS STANDARD SPECIFICATIONS.*
3. *HMA SHALL MEET THE REQUIREMENTS FOR TYPE A HMA AS DESCRIBED IN THE CALTRANS STANDARD SPECIFICATION SECTION 39-2.02 WITH A ¾" MAXIMUM SIZE AGGREGATE AND PG64-10 HMA BINDER.*
4. *PRIOR TO PLACEMENT OF HMA, THE CONTRACTOR SHALL APPLY A SS-1 TYPE TACK COAT ON BASE, BETWEEN LAYERS OF HMA, AT CONSTRUCTION JOINTS, AND OTHER SURFACES THAT THE HMA WILL BE PLACED AGAINST. THE APPLICATION RATE OF THE TACK COAT SHALL BE PER CALTRANS STANDARD SPECIFICATION 39.*
5. *INSTALL ROADSIDE SIGNS AT LOCATIONS IDENTIFIED IN THE SIGNAGE SCHEDULE. SIGN MATERIALS AND INSTALLATION SHALL CONFORM TO SECTION 82 OF THE CALTRANS STANDARD SPECIFICATIONS.*
6. *TRAFFIC STRIPES AND PAVEMENT MARKINGS SHALL CONFORM TO SECTION 84 OF THE CALTRANS STANDARD SPECIFICATIONS.*
7. *STOP SIGNS SHALL BE 30" TYPE R1-1 PER THE CALIFORNIA MUTCD 2014 EDITION.*
8. *INSTALL MIDWEST GUARDRAIL SYSTEM PER CALTRANS STANDARD PLANS A77L1, A77N3 (DETAIL B), A77N4 WITH FLEXIBLE POST DELINEATOR, AND A77P1.*
9. *CONSTRUCT MIDWEST GUARDRAIL SYSTEM PER CALTRANS STANDARD SPECIFICATION SECTION 83.*

SIGNAGE SCHEDULE

STATION	DIRECTION	SIGN	COMMENTS
00+79	WESTBOUND	STOP[7]	SIGN AND MARKINGS
01+06	EASTBOUND	15 MPH	
05+85	SOUTHBOUND	STOP[7]	SIGN
06+66	NORTHBOUND	STOP[7]	SIGN
07+08	EASTBOUND	SPEED BUMP AHEAD/10 MPH	
08+08	BOTH	SPEED BUMP/10 MPH	SPEED BUMP + MARKINGS
09+11	WESTBOUND	SPEED BUMP AHEAD/10 MPH	
11+08	WESTBOUND	15 MPH	
12+18	EASTBOUND	PAVEMENT ENDS 100 FT	
12+93	SOUTHBOUND	STOP[7]	SIGN
13+50	NORTHBOUND	STOP[7]	SIGN

	DATE
DESIGNED SRF	10/25/21
DRAWN JMG	10/25/21
CHECKED JVR	10/25/21

REVISION

RECORD DRAWING

RESIDENT ENGINEER	DATE

Scale in Feet

Horiz. 0 60 120

LOCATION: o:\americus ave_fresno, county of\2018.a086_americus ave_clean closure\task 5 permit\CAD\working drawings\VS SHEET 7 ACCESS ROAD GRADING PLAN.dwg DATE: 10/25/2021 1:07 PM PLOT SCALE = 1:1 PLOTTED BY: ULA TUBS

RECORD ENGINEER

JACOB RUSSELL, PE C64512

10/25/21
DATE

REGISTERED PROFESSIONAL ENGINEER
JACOB V. RUSSELL
64512
EXP. 6-30-23
CIVIL
STATE OF CALIFORNIA

PROJECT

AMERICAN AVENUE DISPOSAL SITE
PHASE I WASTE RELOCATION

THE COUNTY OF FRESNO

DEPARTMENT OF PUBLIC WORKS AND PLANNING

PAVING, SIGNAGE AND STRIPING PLAN

Drawing No. 11298 Sheet No. 10 Total 37

MALAGA AVENUE

PLUMAS AVENUE

AMERICAN AVENUE

PHASE I

PHASE II

RETENTION BASIN

5 / 33 STORMWATER DOWNCHUTE OUTLET

2 / 32 BENCH STORMWATER CROSSING

4 / 32 TOP DECK STORMWATER DOWNCHUTE INLET

3 / 32 BENCH STORMWATER CROSSING

L / 29 PHASE II WEDGE FILL

R / 31 TOP DECK STORMWATER DIVERSION BERM[3]

K / 29 INTERMEDIATE SOIL COVER (TYP.)

P / 30 INSTALL ~20' LONG SECTION OF K-RAIL AS SPLASH BLOCK AT DOWNDRAIN 7 TO SWALE INTERSECTION ON THE ROAD EDGE OF THE SWALE

O / 30 EASTERN PHASE II TOP DECK ACCESS RAMP

6 / 34 STORMWATER DOWNCHUTE OUTLET

30" DROP INLET AND TRASH RACK TO HDPE CULVERT

CONSTRUCT 2' TALL STORMWATER DIVERSION BERM (EARTHFILL) AND ARMOR WITH PERMANENT EROSION CONTROL MAT AT DOWNCHUTE BEND

DOWNCHUTE 1

DOWNCHUTE 2

DOWNCHUTE 3

DOWNCHUTE 4

DOWNCHUTE 5

DOWNCHUTE 6

DOWNCHUTE 7

DOWNCHUTE 8

ACCESS ROAD

DRAINAGE BENCH

NORTHING = 12531.89
EASTING = 10150.32
ELEV = 174.69

NORTHING = 12543.30
EASTING = 11180.25
ELEV = 177.70

NORTHING = 12564.30
EASTING = 12346.22
ELEV = 178.25

NORTHING = 12434.75
EASTING = 12335.66
ELEV = 191.29

NORTHING = 12358.84
EASTING = 12053.33
ELEV = 208.80

NORTHING = 12214.35
EASTING = 11184.03
ELEV = 248.07

NORTHING = 12201.60
EASTING = 10443.71
ELEV = 248.10

NORTHING = 12182.93
EASTING = 12053.42
ELEV = 252.87

NORTHING = 11471.02
EASTING = 12481.62
ELEV = 216.08

NORTHING = 11331.80
EASTING = 12481.66
ELEV = 183.87

NORTHING = 10978.52
EASTING = 10518.03
ELEV = 264.11

NORTHING = 10664.59
EASTING = 10108.73
ELEV = 174.00

NORTHING = 10490.85
EASTING = 11271.44
ELEV = 252.21

NORTHING = 10491.52
EASTING = 12084.94
ELEV = 252.23

NORTHING = 10144.80
EASTING = 10931.26
ELEV = 176.84

NORTHING = 10135.98
EASTING = 12338.37
ELEV = 176.92

272.38 HIGH POINT

273.18 HIGH POINT

266.31 HIGH POINT

258.92 HIGH POINT

DMW-1 DMW-2 DMW-3 DMW-4 DMW-5 DMW-6 DMW-7 DMW-8 DMW-9 DMW-10 DMW-11 DMW-12 DMW-13 DMW-14 DMW-15 DMW-16 DMW-17 DMW-18 DMW-19 DMW-20

TEW-1 TEW-2 TEW-3 TEW-4 TEW-5 TEW-6 TEW-7 TEW-8 TEW-9 TEW-10

SUMP-1 SUMP-2 SUMP-3 SUMP-4 SUMP-5 SUMP-6 SUMP-7 SUMP-8

CT-1

LEGEND

- EXISTING 10 FT CONTOUR
- EXISTING 2 FT CONTOUR
- PROPOSED TOP OF INTERMEDIATE COVER 10 FT CONTOUR
- PROPOSED TOP OF INTERMEDIATE COVER 2 FT CONTOUR
- LIMITS OF PHASE II WASTE FILL
- LIMITS OF GRADING
- APPROXIMATE PHASE II LINER LIMITS
- SITE BOUNDARY
- EXISTING PAVED ROADS
- EXISTING UNPAVED ROADS[4]
- EXISTING ABOVE GRADE GCCS HEADER CROSSING
- EXISTING BURIED 480 VOLT ELECTRIC LINE
- EXISTING FENCE
- EXISTING LFG EXTRACTION WELL
- EXISTING MULTIPLE COMPLETION LFG EXTRACTION WELL
- EXISTING REMOTE WELLHEAD
- EXISTING LEACHATE SUMP
- EXISTING CONDENSATE TRAP
- EXISTING LFG HEADER BELOW GROUND, HDPE SDR 17
- EXISTING LFG HEADER ABOVE GROUND, HDPE SDR 17
- EXISTING LFG LATERAL BELOW GROUND, HDPE SDR 17
- EXISTING LFG LATERAL ABOVE GROUND, HDPE SDR 17
- EXISTING GROUNDWATER MONITORING WELL
- CONTROL POINT
- HINGELINES
- STORMWATER DIVERSION BERM
- DOWNDRAIN INLET/OUTLET
- ACCESS RAMP TO BE CONSTRUCTED BY CONTRACTOR
- SOIL WEDGE BUTTRESS FILL[9]
- ×50 POINT COORDINATE. REFER TO TABLE ON SHEET 18

NOTES

1. *EXISTING TOPOGRAPHY BASED ON PHOTOGRAPHIC AERIAL SURVEY PERFORMED IN DECEMBER 2018.*
2. *PHASE II FILL SEQUENCE DETAILED ON SHEETS 16 AND 17.*
3. *REFER TO SHEET 27 FOR EROSION CONTROL MEASURES.*
4. *OWNER'S LANDFILL GAS CONTRACTOR WILL PREPARE PHASE II TOP DECK LFGCS CROSSINGS PRIOR TO CONTRACTOR'S MOBILIZATION TO SITE. CONTRACTOR SHALL ONLY USE PREVIOUSLY PREPARED TOP DECK LFGCS CROSSINGS. DAMAGE CAUSED TO LANDFILL GAS EQUIPMENT BY CONTRACTOR TRAFFIC ON TOP DECK SHALL BE REPAIRED AT THE DIRECTION OF, AND TO THE SATISFACTION OF, THE OWNER AT THE SOLE EXPENSE OF THE CONTRACTOR.*
5. *CONTRACTOR SHALL CONSTRUCT TOP DECK ACCESS RAMPS AFTER PLACEMENT OF WASTE FILLS AND INTERMEDIATE COVER AS SHOWN ON THIS DRAWING. MODIFICATION OF TOP DECK ACCESS ROADS AFTER PLACEMENT OF WASTES WILL BE COMPLETED BY THE OWNER'S LANDFILL GAS CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE COUNTY AND THEIR LANDFILL GAS CONTRACTOR FOR MODIFICATIONS TO TOP ACCESS ROADS.*
6. *CONTRACTOR SHALL COORDINATE WITH THE OWNER'S LANDFILL GAS CONTRACTOR FOR THE RAISING OF VERTICAL WELLS, SYSTEM DISCONNECTIONS AND RECONNECTIONS, AND OTHER MISCELLANEOUS WORK INVOLVING THE LANDFILL GAS COLLECTION AND CONTROL SYSTEM. THE CONTRACTOR SHALL NOT PARTAKE IN ANY LANDFILL GAS COLLECTION AND CONTROL SYSTEM MODIFICATIONS WITHOUT THE EXPLICIT PRIOR AUTHORIZATION OF THE OWNER.*
7. *OWNER'S LANDFILL GAS CONTRACTOR WILL REVISE TOP DECK ACCESS ROADS AS WASTE FILLING OCCURS AND FINAL GRADES ARE REACHED. THE CONTRACTOR SHALL NOT CREATE, MODIFY, OR DEVIATE FROM TOP DECK ACCESS ROADS.*
8. *REFERENCE SHEET 16 FOR LANDFILL GAS WELLS REQUIRING ADJUSTMENT DURING WASTE RELOCATION WORK. COORDINATE FILL SEQUENCE SCHEDULE TO ALLOW FOR WELL ADJUSTMENTS WITH OWNER'S LANDFILL GAS CONTRACTOR.*
9. *WEDGE FILL EXTENDS TO APPROXIMATELY 197 FEET AMSL.*

	DATE
DESIGNED SAH/SRF	10/25/21
DRAWN JMG	10/25/21
CHECKED JVR	10/25/21

RECORD DRAWING

RESIDENT ENGINEER	DATE

Scale in Feet

Horiz. 0 150 300

Vert. 0 150 300

RECORD ENGINEER

JACOB RUSSELL, PE C64512

10/25/21
DATE

REGISTERED PROFESSIONAL ENGINEER
JACOB V. RUSSELL
64512
EXP. 6-30-23
CIVIL
STATE OF CALIFORNIA

PROJECT

AMERICAN AVENUE DISPOSAL SITE
PHASE I WASTE RELOCATION

THE COUNTY OF FRESNO

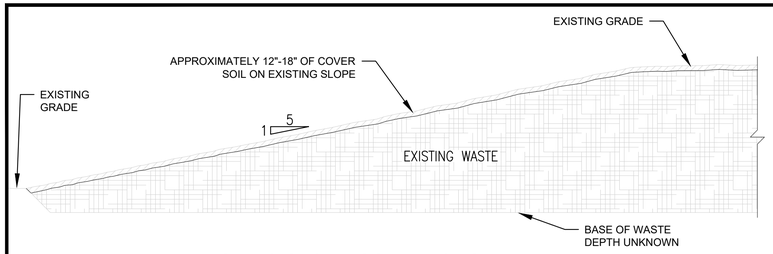
DEPARTMENT OF PUBLIC WORKS AND PLANNING

PHASE II WASTE RELOCATION PLAN

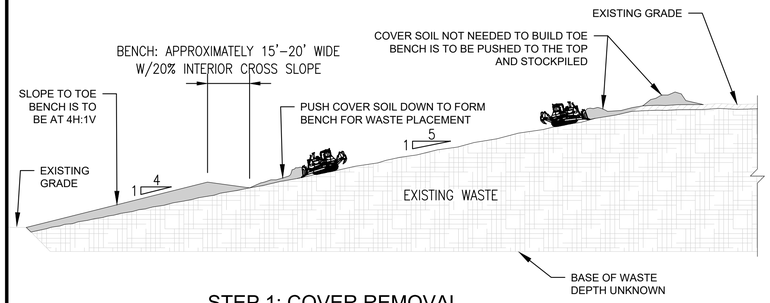
Drawing No. 11298 Sheet No. 15 Total 37

REVISION

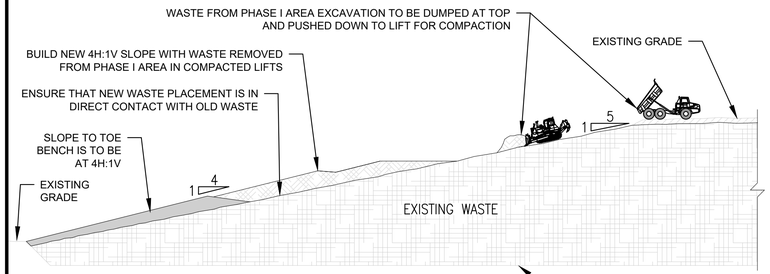
LOCATION: o:\americas ave_fresno, county of\2018\a006_americas ave_close closure\task 5 permits\CAD\working drawings\15 SHEET 15 - WASTE RELOC PLAN 201912.dwg DATE: 10/26/2021 1:08 PM PLOT SCALE = 1:1 PLOTTED BY: GSA USER



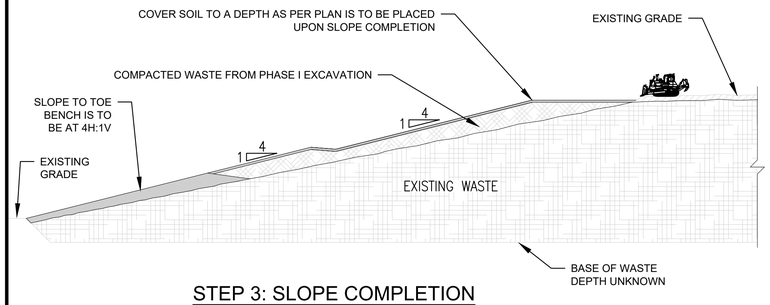
EXISTING SLOPE CONDITIONS



STEP 1: COVER REMOVAL



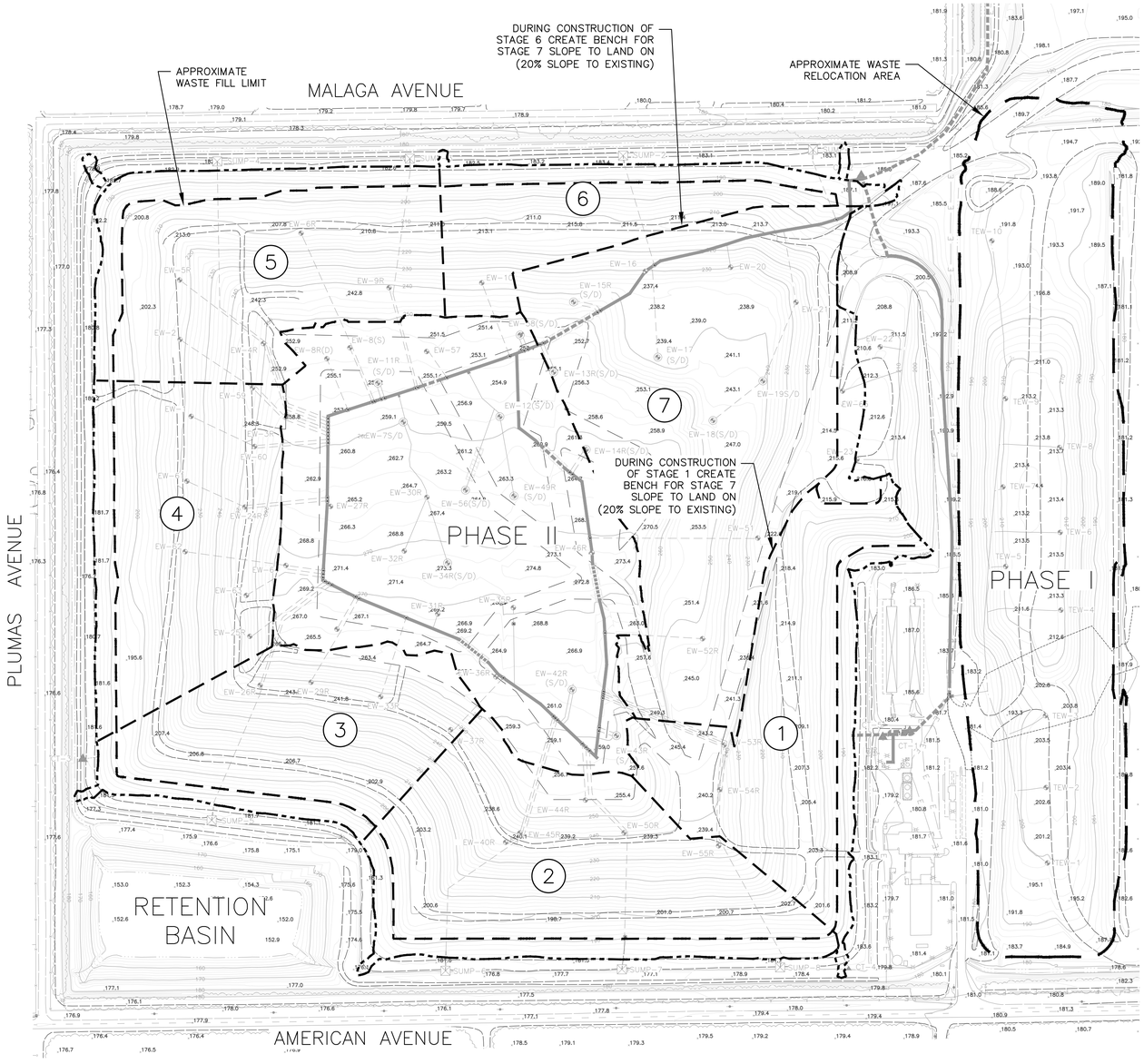
STEP 2: SLOPE WASTE PLACEMENT



STEP 3: SLOPE COMPLETION

A 16 CONCEPTUAL FILL PROCESS

NOT TO SCALE



PHASE II FILL PLAN: PRE-CONSTRUCTION CONDITIONS

LEGEND

- EXISTING 10 FT CONTOUR
- EXISTING 2 FT CONTOUR
- SITE BOUNDARY
- EXISTING PAVED ROADS
- EXISTING UNPAVED ROADS
- EXISTING ABOVE GRADE GCCS HEADER CROSSING
- EXISTING BURIED 480 VOLT ELECTRIC LINE
- LIMIT OF PHASE I WASTE RELOCATION EARTHWORK
- APPROXIMATE LIMIT OF PHASE II WASTE FILL AREA
- APPROXIMATE LIMIT OF PHASE II GRADING
- (1) ORDER OF FILL SEQUENCING
- LIMITS OF NEW CUSTOMER ACCESS ROAD CONSTRUCTION
- EXISTING FENCE
- EXISTING LFG EXTRACTION WELL
- EXISTING MULTIPLE COMPLETION LFG EXTRACTION WELL
- EXISTING REMOTE WELLHEAD
- EXISTING LEACHATE SUMP
- EXISTING CONDENSATE TRAP
- EXISTING LFG HEADER BELOW GROUND, HDPE SDR 17
- EXISTING LFG HEADER ABOVE GROUND, HDPE SDR 17
- EXISTING LFG LATERAL BELOW GROUND, HDPE SDR 17
- EXISTING LFG LATERAL ABOVE GROUND, HDPE SDR 17
- DMW/BMW-1 EXISTING GROUNDWATER MONITORING WELL

NOTES:

1. *EXISTING TOPOGRAPHY BASED ON PHOTOGRAPHIC AERIAL SURVEY PERFORMED IN DECEMBER 31, 2018.*
2. *WASTE FILLING SHALL OCCUR IN THE ORDER SHOWN ON THIS SHEET.*
3. *SEE SHEET 17 FOR GAS EXTRACTION WELLS AFFECTED BY WASTE RELOCATION.*

	DATE
DESIGNED SRF	10/25/21
DRAWN JMG	10/25/21
CHECKED JVR	10/25/21

REVISION

RECORD DRAWING	
RESIDENT ENGINEER	DATE

Scale in Feet

Horiz. 0 200 400

RECORD ENGINEER
JACOB RUSSELL, PE C64512

10/25/21
DATE

REGISTERED PROFESSIONAL ENGINEER * JACOB V. RUSSELL * 64512 EXP. 6-30-23 * CIVIL * STATE OF CALIFORNIA *

PROJECT

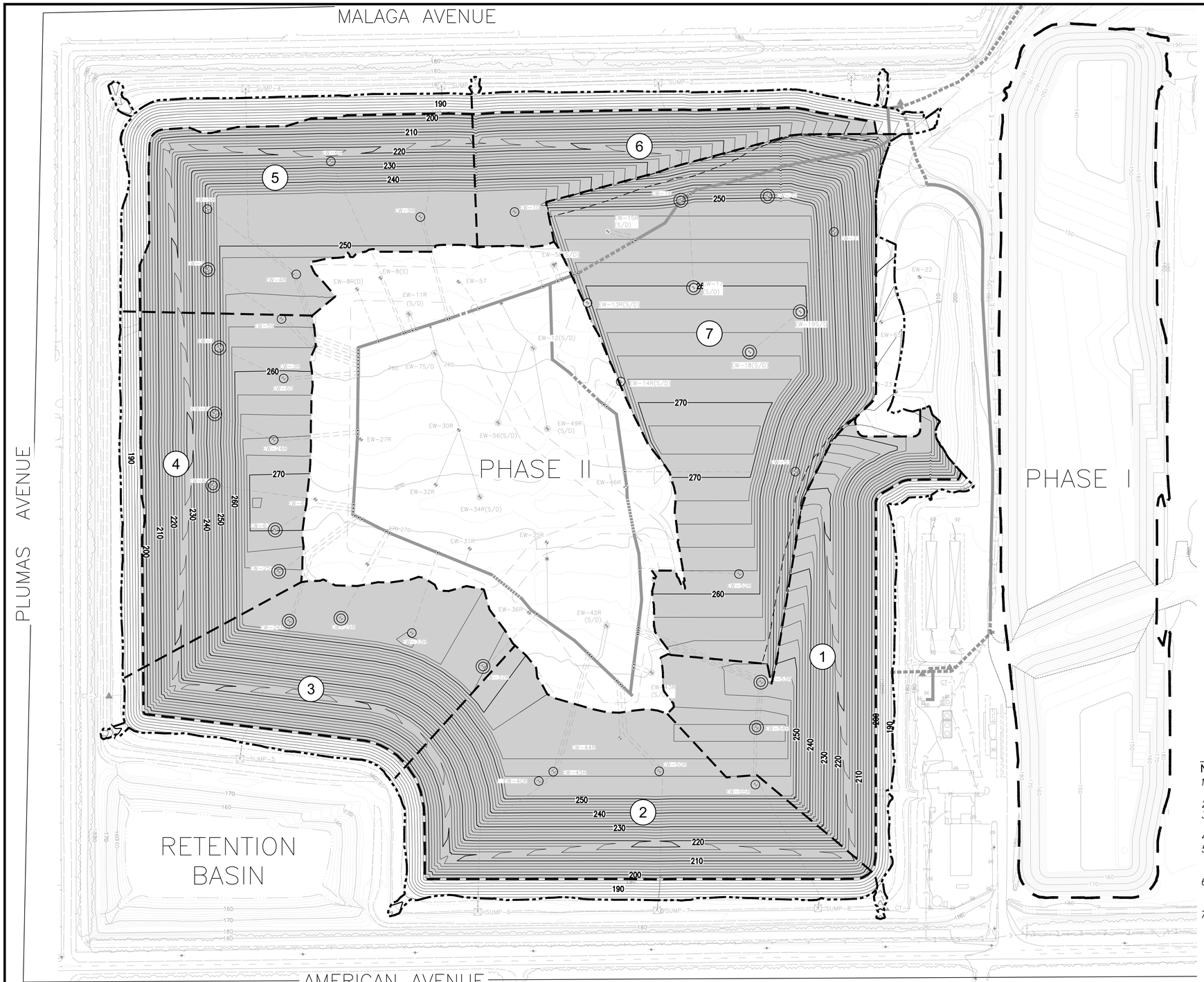
AMERICAN AVENUE DISPOSAL SITE
PHASE I WASTE RELOCATION

THE COUNTY OF FRESNO

DEPARTMENT OF PUBLIC WORKS AND PLANNING

FILL SEQUENCE PLAN

Drawing No. 11298 Sheet No. 16 Total 37



LEGEND

- EXISTING 10 FT CONTOUR
- EXISTING 2 FT CONTOUR
- PROPOSED 10 FT CONTOUR[6]
- PROPOSED 2 FT CONTOUR[6]
- SITE BOUNDARY
- EXISTING PAVED ROADS
- EXISTING UNPAVED ROADS
- EXISTING ABOVE GRADE GCCS HEADER CROSSING
- EXISTING BURIED 480 VOLT ELECTRIC LINE
- LIMIT OF PHASE I WASTE RELOCATION EARTHWORK
- APPROXIMATE LIMIT OF PHASE II WASTE FILL AREA
- APPROXIMATE LIMIT OF PHASE II GRADING
- LIMIT OF STAGE 1 & 6 WASTE FILL BENCH
- (1) ORDER OF FILL SEQUENCING
- LIMITS OF NEW CUSTOMER ACCESS ROAD CONSTRUCTION
- EXISTING FENCE
- EXISTING LFG EXTRACTION WELL
- EXISTING MULTIPLE COMPLETION LFG EXTRACTION WELL – NO EXTENSION
- EXISTING MULTIPLE COMPLETION LFG EXTRACTION WELL – SINGLE EXTENSION
- EXISTING MULTIPLE COMPLETION LFG EXTRACTION WELL – DOUBLE EXTENSION
- EXISTING REMOTE WELLHEAD
- EXISTING LEACHATE SUMP
- EXISTING CONDENSATE TRAP
- EXISTING LFG HEADER BELOW GROUND, HDPE SDR 17
- EXISTING LFG HEADER ABOVE GROUND, HDPE SDR 17
- EXISTING LFG LATERAL BELOW GROUND, HDPE SDR 17
- EXISTING LFG LATERAL ABOVE GROUND, HDPE SDR 17
- DMW/BMW–1 EXISTING GROUNDWATER MONITORING WELL

NOTES:

1. *EXISTING TOPOGRAPHY BASED ON PHOTOGRAPHIC AERIAL SURVEY PERFORMED IN DECEMBER 31, 2018.*
2. *LOCATIONS OF GAS WELLS ARE APPROXIMATE*
3. *A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED BY THE CONTRACTOR FOR APPROVAL BY OWNER AND PROJECT ENGINEER.*
4. *WASTE FILLING SHALL OCCUR IN THE ORDER SHOWN ON THIS SHEET.*
5. *PROPOSED GRADES ARE PROJECT FINISH GRADES AND REPRESENT TOP OF 2' THICK INTERMEDIATE COVER. IF ADDITIONAL AIRSPACE IS NEEDED TO PLACE PHASE I WASTE THE CONTRACTOR SHALL COORDINATE WASTE PLACEMENT WITH OWNER AND PLACE IT IN OR AROUND STAGE 7.*
6. *WELLS EXTENDED PRIOR TO PROJECT START SHOULD BE FIELD LOCATED AND PROTECTED B CONTRACTOR. DAMAGE TO WELLS SHALL BE REPAIRED AS REQUIRED BY OWNER AT NO COST TO OWNER.*
7. *WASTE RELOCATION CONTRACTOR TO COORDINATE SECOND WELL EXTENSION WITH OWNERS GCCS CONTRACTOR. WASTE RELOCATION CONTRACTOR SHALL NOT ADJUST GCCS COMPONENTS ON SITE.*

PHASE II FILL PLAN: STAGES

	DATE
DESIGNED SRF	10/25/21
DRAWN JMG	10/25/21
CHECKED JVR	10/25/21
REVISION	

RECORD DRAWING

RESIDENT ENGINEER	DATE

Scale in Feet

Horiz. 0 200 400

RECORD ENGINEER
JACOB RUSSELL, PE C64512

10/25/21
DATE

REGISTERED PROFESSIONAL ENGINEER
JACOB V. RUSSELL
64512
EXP. 6-30-23
CIVIL
STATE OF CALIFORNIA

PROJECT

AMERICAN AVENUE DISPOSAL SITE
PHASE I WASTE RELOCATION

THE COUNTY OF FRESNO

DEPARTMENT OF PUBLIC WORKS AND PLANNING

FILL SEQUENCE PLAN: STAGES

Drawing No. 11298 Sheet No. 17 Total 37

POINT TABLE				
POINT #	DESCRIPTION	ELEVATION	NORTHING	EASTING
1	BERM CL	250.10	12211.47	11166.42
2	BERM CL	251.83	12073.06	11046.93
3	BERM CL	253.45	12036.76	10825.60
4	BERM CL	251.89	12067.47	10575.11
5	BERM CL	250.10	12201.75	10453.20
6	BERM CL	250.27	12189.05	10446.17
7	BERM CL	251.99	12060.00	10454.24
8	BERM CL	274.22	11322.13	10553.14
9	BERM CL	266.25	10989.33	10520.67
10	BERM CL	266.16	10977.54	10532.13
11	BERM CL	267.25	11092.61	10641.59
12	BERM CL	268.58	11154.24	10864.21
13	BERM CL	267.40	11130.98	10978.14
14	BERM CL	266.04	10952.56	11130.35
15	BERM CL	262.38	10741.66	11203.28
16	BERM CL	258.44	10604.75	11265.58
17	BERM CL	254.81	10511.83	11273.21
18	BERM CL	254.33	10494.93	11287.47
19	BERM CL	258.05	10594.98	11685.47
20	BERM CL	256.51	10556.49	11838.99
21	BERM CL	254.96	10517.28	11993.34

POINT TABLE				
POINT #	DESCRIPTION	ELEVATION	NORTHING	EASTING
22	BERM CL	254.24	10491.79	12068.38
23	BERM CL	254.70	10508.19	12081.36
24	BERM CL	260.91	10667.78	12057.49
25	BERM CL	256.80	10744.59	12070.52
26	BERM CL	256.38	10752.59	12078.50
27	BERM CL	234.11	11305.99	12168.46
28	BERM CL	232.08	11353.12	12193.06
29	BERM CL	222.00	11481.65	12386.73
30	BERM CL	218.78	11475.48	12456.18
31	BERM CL	218.11	11478.57	12480.55
32	BERM CL	218.53	11587.37	12361.54
33	ACCESS ROAD EDGE	218.41	11530.93	12225.99
34	ACCESS ROAD EDGE	222.00	11494.37	12195.59
35	ACCESS ROAD EDGE	224.00	11463.36	12235.82
36	ACCESS ROAD EDGE	226.00	11435.58	12222.20
37	BERM CL	254.42	10811.90	12014.01
38	ACCESS ROAD EDGE	246.00	11020.18	12065.67
39	ACCESS ROAD EDGE	252.30	10806.15	12027.12
40	ACCESS ROAD EDGE	252.27	10796.48	12079.83
41	BERM CL	270.30	11341.15	11956.28
42	BERM CL	275.17	11506.16	11975.34

POINT TABLE				
POINT #	DESCRIPTION	ELEVATION	NORTHING	EASTING
43	BERM CL	273.74	11553.96	11993.59
44	BERM CL	272.55	11593.54	12012.14
45	BERM CL	271.34	11633.82	12038.44
46	BERM CL	269.23	11704.25	12100.23
47	BERM CL	256.90	12115.26	12133.89
48	BERM CL	255.07	12176.12	12061.32
49	BERM CL	255.06	12176.76	12044.77
50	BERM CL	262.03	11944.16	11496.07
51	ACCESS ROAD EDGE	248.05	12221.75	11383.81
52	ACCESS ROAD EDGE	220.00	12323.69	11888.67
53	ACCESS ROAD EDGE	206.51	12378.36	12103.57
54	ACCESS ROAD EDGE	209.14	12407.00	12065.87
55	ACCESS ROAD EDGE	206.00	12414.29	12123.02
56	ACCESS ROAD EDGE	194.00	12379.29	12376.17
57	ACCESS ROAD EDGE	189.16	12397.69	12494.80
58	ACCESS ROAD EDGE	190.00	12423.95	12467.08

DESIGNED SAH/SRF DATE 10/25/21
DRAWN JMG 10/25/21
CHECKED JVR 10/25/21

RECORD DRAWING

RESIDENT ENGINEER	DATE

Scale in Feet

RECORD ENGINEER
JACOB RUSSELL, PE C64512

10/25/21
DATE

REGISTERED PROFESSIONAL ENGINEER
JACOB V. RUSSELL
64512
EXP 6-30-23
CIVIL
STATE OF CALIFORNIA

PROJECT

AMERICAN AVENUE DISPOSAL SITE
PHASE I WASTE RELOCATION

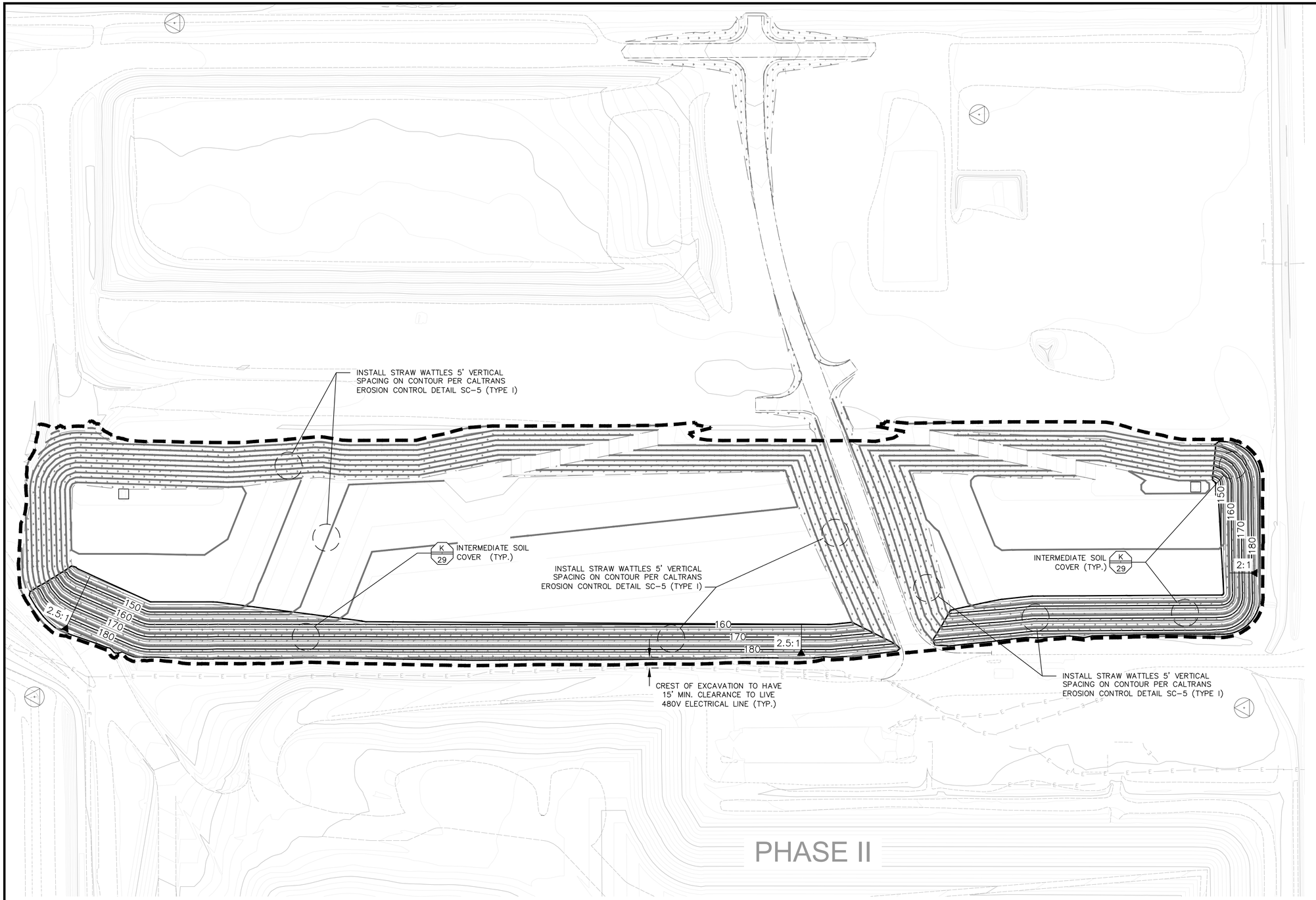
THE COUNTY OF FRESNO

DEPARTMENT OF PUBLIC WORKS AND PLANNING

PHASE II POINT TABLE

Drawing No. 11298 Sheet No. 18 Total 37

REVISION



LEGEND

- EXISTING 10 FT CONTOUR
- EXISTING 2 FT CONTOUR
- PROPOSED 10 FT CONTOUR
- PROPOSED 2 FT CONTOUR
- LIMIT OF EXCAVATION
- PROPOSED PAVED ROADS
- PROPOSED UNPAVED ROADS
- EXISTING PAVED ROADS
- EXISTING UNPAVED ROADS
- LIMIT OF COVER
- STRAW WATTLE
- 480 VOLT ELECTRIC LINE
- CONTROL POINT
- HYDROSEEDING AREA

QUANTITIES

PHASE I STRAW WATTLES

CONTOUR ELEVATION (FT)	LENGTH (FT)
140	915
145	1,690
150	3,305
155	4,950
160	5,505
165	5,680
170	5,860
175	6,035
180	6,750
185	3,030
190	225
195	40
TOTAL	43,985

NOTES:

1. EXCAVATION CONTOURS REPRESENT THE ESTIMATED BOTTOM OF WASTE AND IMPACTED SOIL PLUS ADDITIONAL OVEREXCAVATION FOR MANAGEMENT OF STORMWATER.
2. EXISTING TOPOGRAPHY BASED ON PHOTOGRAPHIC AERIAL SURVEY PERFORMED IN DECEMBER 2018 AS UPDATED BY PHASE I EXCAVATION AND ACCESS ROAD FILL.
3. PLACE STRAW WATTLES ON CONTOUR AT 5 FT VERTICAL SPACING ON SLOPES.
4. HYDROSEED ALL SLOPES PER PROJECT SPECIFICATIONS.
5. CONTRACTOR TO SMOOTH DRUM ROLL BOTTOM OF EXCAVATION PRIOR TO DEMOBILIZING FROM SITE.
6. CONTRACTOR SHALL TRACK WALK ALL FINISH INTERMEDIATE SOIL COVER, FILL, AND EXCAVATION SLOPES THAT ARE TO RECEIVE HYDROSEEDING. TRACK IMPRINTS SHALL BE PERPENDICULAR TO THE SLOPE.

	DATE
DESIGNED SRF	10/25/21
DRAWN JMG	10/25/21
CHECKED JVR	10/25/21
REVISION	

RECORD DRAWING

RESIDENT ENGINEER	DATE

Scale in Feet

Horiz. 0 100 200

LOCATION: n:\americus ave_fresno, county of\2018.a006_americus ave_close closure\task 5 permit\CAD\working drawings\VI SHEET 3 EX PLAN 101910.dwg DATE: 10/25/2021 1:40 PM PLOT SCALE = 1:1 PLOTTED BY: OLA USER

RECORD ENGINEER
JACOB RUSSELL, PE C64512

10/25/21
DATE

REGISTERED PROFESSIONAL ENGINEER
JACOB V. RUSSELL
64512
EXP. 6-30-23
CIVIL
STATE OF CALIFORNIA

PROJECT

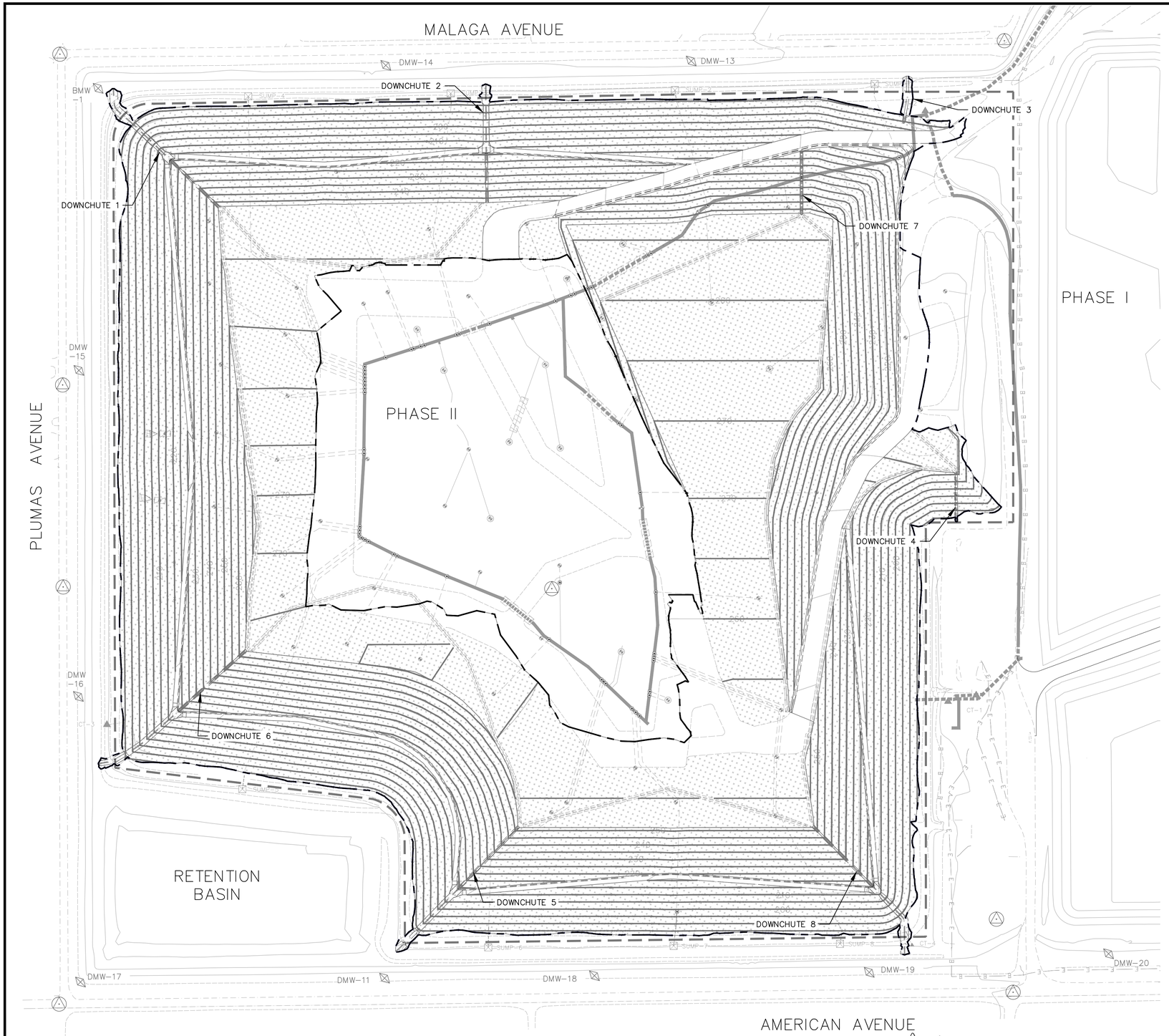
AMERICAN AVENUE DISPOSAL SITE
PHASE I WASTE RELOCATION

THE COUNTY OF FRESNO

DEPARTMENT OF PUBLIC WORKS AND PLANNING

PHASE I EROSION CONTROL PLAN

Drawing No. 11298 Sheet No. 26 Total 37



LEGEND

- EXISTING 10 FT CONTOUR AT TIME OF EROSION CONTROL PLACEMENT
- PROPOSED STRAW WATTLE
- LIMITS OF PHASE II WORK AREA
- APPROXIMATE PHASE II LINER LIMITS
- EXISTING PAVED ROADS
- EXISTING UNPAVED ROADS[4]
- EXISTING ABOVE GRADE GCCS HEADER CROSSING
- EXISTING BURIED 480 VOLT ELECTRIC LINE
- EXISTING FENCE
- EXISTING LFG EXTRACTION WELL
- EXISTING MULTIPLE COMPLETION LFG EXTRACTION WELL
- EXISTING REMOTE WELLHEAD
- EXISTING LEACHATE SUMP
- EXISTING CONDENSATE TRAP
- EXISTING LFG HEADER BELOW GROUND, HDPE SDR 17
- EXISTING LFG HEADER ABOVE GROUND, HDPE SDR 17
- EXISTING LFG LATERAL BELOW GROUND, HDPE SDR 17
- EXISTING LFG LATERAL ABOVE GROUND, HDPE SDR 17
- EXISTING GROUNDWATER MONITORING WELL
- CONTROL POINT
- HINGELINES
- STORMWATER DIVERSION BERM
- HYDROSEEDING AREA
- NEW CUSTOMER ACCESS ROAD

QUANTITIES

PHASE II STRAW WATTLES

CONTOUR ELEVATION (FT)	LENGTH (FT)
185	6,670
190	7,775
195	7,600
200	7,535
205	7,455
210	7,615
215	7,970
220	7,875
225	7,445
230	7,260
235	7,030
240	6,870
245	6,710
250	5,970
255	5,300
260	3,860
265	2,985
270	1,695
TOTAL	115,620

NOTES

1. EXISTING TOPOGRAPHY BASED ON PHOTOGRAPHIC AERIAL SURVEY PERFORMED IN DECEMBER 31, 2018.
2. PHASE II FILL SEQUENCE DETAILED ON SHEETS 16 AND 17.
3. CONTRACTOR SHALL TRACK WALK ALL FINISH GRADING SURFACES OF INTERMEDIATE SOIL COVER AND WEDGE FILL SOIL TO RECEIVE HYDROSEEDING. TRACK IMPRINTS SHALL BE PERPENDICULAR TO SLOPE.

DESIGNED SAH 10/25/21
DRAWN JMG 10/25/21
CHECKED JVR 10/25/21
REVISION

RESIDENT ENGINEER	DATE

Horiz. 0 150 300
Vert. 0 150 300

RECORD ENGINEER
JACOB RUSSELL, PE C64512
10/25/21
DATE

REGISTERED PROFESSIONAL ENGINEER JACOB V. RUSSELL 64512 EXP. 6-30-23 CIVIL STATE OF CALIFORNIA

PROJECT

AMERICAN AVENUE DISPOSAL SITE
PHASE I WASTE RELOCATION

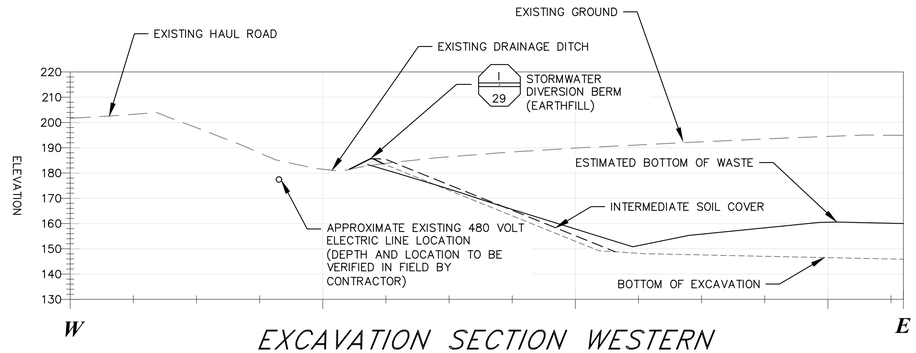
THE COUNTY OF FRESNO

DEPARTMENT OF PUBLIC WORKS AND PLANNING

PHASE II EROSION CONTROL PLAN

Drawing No. 11298 Sheet No. 27 Total 37

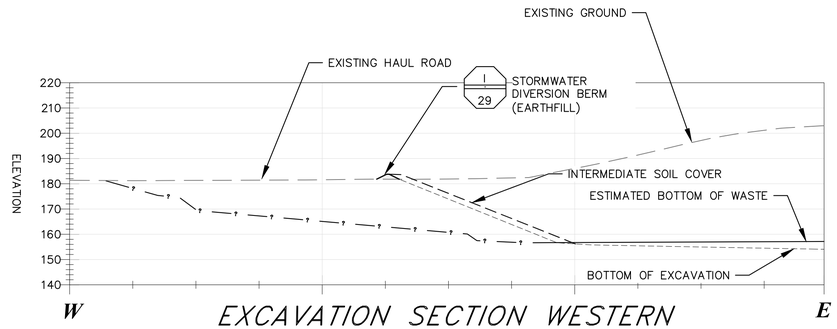
LOCATION: n:\americus ave_fresno, county of\2018\a088_americus ave_close closure\task 5 permit\CAD\working drawings\VS SHEET 15 - WASTE RELOC PLAN 2019\15.dwg DATE: 10/25/2021 1:43 PM PLOT SCALE = 1:1 PLOTTED BY: GIA TRAN



EXCAVATION SECTION WESTERN SIDE OF PHASE I (NORTH END)

A / 5

HORIZ: 1" = 30'
VERT: 1" = 30'



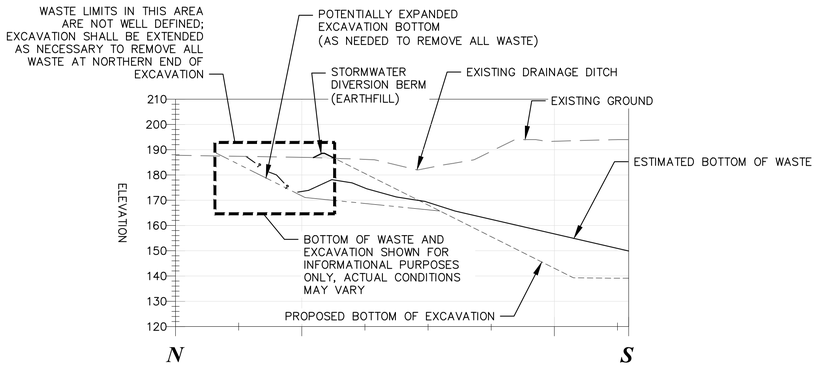
EXCAVATION SECTION WESTERN SIDE OF PHASE I (SOUTH END)

B / 5

HORIZ: 1" = 30'
VERT: 1" = 30'

LEGEND

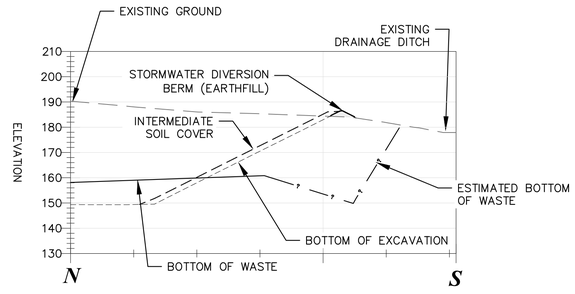
- EXISTING GROUND
- ESTIMATED BOTTOM OF WASTE
- ESTIMATED UNKNOWN BOTTOM OF WASTE
- PROPOSED BOTTOM OF EXCAVATION (SEE GRADING PLAN ON SHEET 5)
- POTENTIALLY EXPANDED EXCAVATION BASED ON ACTUAL PRESENCE OF WASTE
- INTERMEDIATE COVER OVER MISCELLANEOUS AADS OPERATIONAL WASTE AND EARTH FILLS
- EXCAVATION LINE BEYOND SECTION LINE
- TOP OF EARTHFILL
- EARTHFILL



EXCAVATION SECTION NORTH SIDE OF PHASE I

C / 5

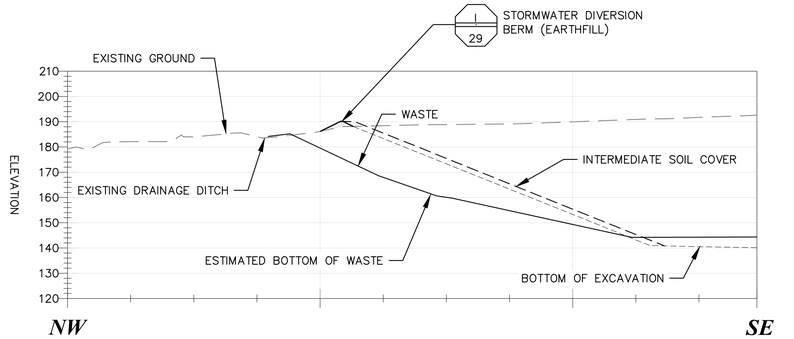
HORIZ: 1" = 30'
VERT: 1" = 30'



EXCAVATION SECTION SOUTH SIDE OF PHASE I

D / 5

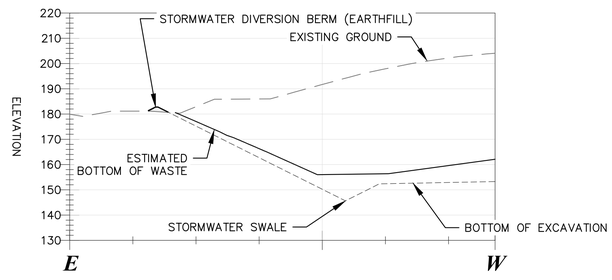
HORIZ: 1" = 30'
VERT: 1" = 30'



EXCAVATION SECTION NORTHWEST CORNER OF PHASE I

E / 5

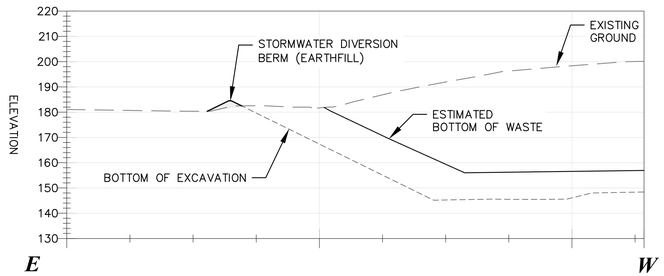
HORIZ: 1" = 30'
VERT: 1" = 30'



EXCAVATION SECTION EAST SIDE OF PHASE I

F / 5

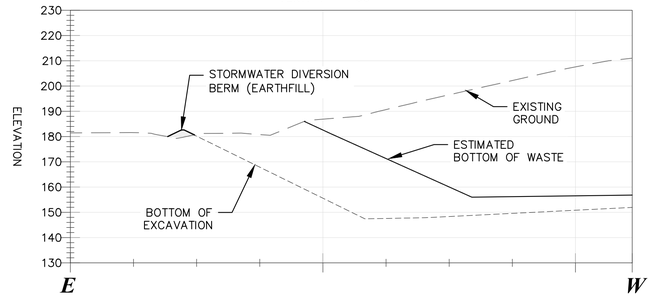
HORIZ: 1" = 30'
VERT: 1" = 30'



EXCAVATION SECTION EAST SIDE OF PHASE I AT SOUTH ACCESS RAMP

G / 5

HORIZ: 1" = 30'
VERT: 1" = 30'



EXCAVATION SECTION EAST SIDE OF PHASE I AT NORTH ACCESS RAMP

H / 5

HORIZ: 1" = 30'
VERT: 1" = 30'

	DATE
DESIGNED SRF	10/25/21
DRAWN JMG	10/25/21
CHECKED SRF	10/25/21
REVISION	

RECORD DRAWING

RESIDENT ENGINEER	DATE

Scale in Feet

Horiz. 0 30 60
Vert. 0 30 60

RECORD ENGINEER
JACOB RUSSELL, PE C64512

10/25/21
DATE

REGISTERED PROFESSIONAL ENGINEER
JACOB V. RUSSELL
64512
EXP. 6-30-23
CIVIL
STATE OF CALIFORNIA

PROJECT

AMERICAN AVENUE DISPOSAL SITE
PHASE I WASTE RELOCATION

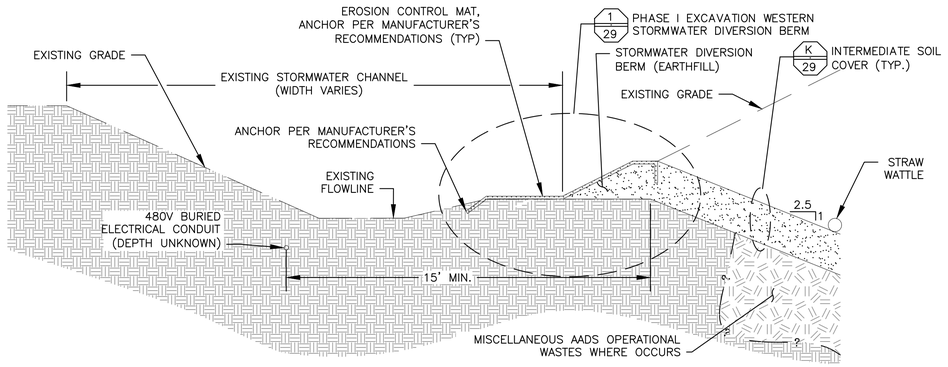
THE COUNTY OF FRESNO

DEPARTMENT OF PUBLIC WORKS AND PLANNING

PHASE I CROSS SECTIONS

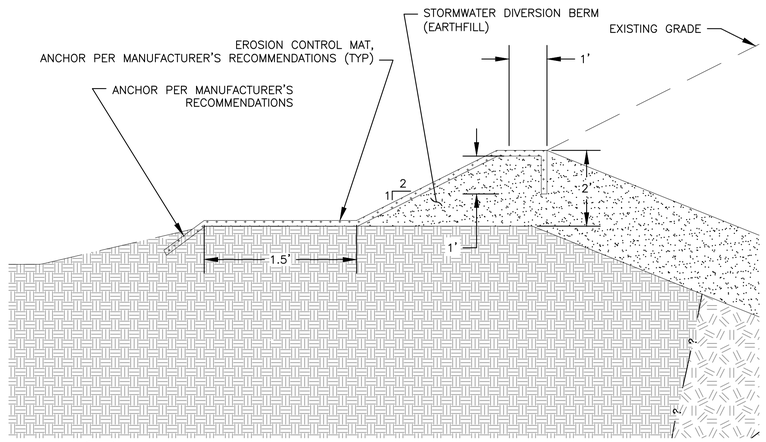
Drawing No. 11298 Sheet No. 28 Total 37

LOCATION: n:_americus ave__fresno, county of\2018\a006_americus ave_close closure\task 3 permit\CAD\working drawings\V2 SHEET 3 EX PLAN 201810.dwg DATE: 10/25/2021 1:44 PM PLOT SCALE = 1:1 PLOTTED BY: OLA 17888



I/5 PHASE I EXCAVATION WESTERN STORMWATER DIVERSION BERM AND EXISTING CHANNEL

NOT TO SCALE

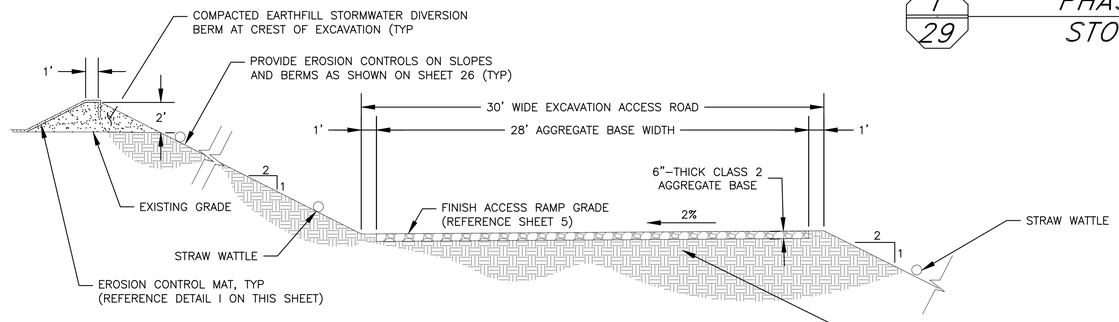


1/29 PHASE I EXCAVATION WESTERN STORMWATER DIVERSION BERM

NOT TO SCALE

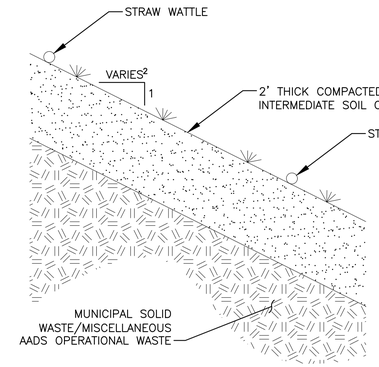
NOTES:

1. IN AREAS WHERE WASTE IS OBSERVED TO BE PRESENT, THE EXCAVATION OF PHASE I ACCESS RAMPS ARE TO BE COMPLETED AFTER REMOVAL OF WASTE, CONFIRMATION OF WASTE REMOVAL VIA TESTING AS DESCRIBED IN THE CQA PLAN, AND APPROVAL FROM THE RWQCB.
2. COVER SLOPE VARIES AS FOLLOWS (PHASE I EAST AND NORTH SLOPES DO NOT REQUIRE INTERMEDIATE SOIL COVER):
   - PHASE I WEST EXCAVATION SLOPE = 2.5:1 (HORIZONTAL/VERTICAL)
   - PHASE I SOUTH EXCAVATION SLOPE = 2:1
   - PHASE II SIDE SLOPES = 4:1
   - PHASE II TOP DECK = VARIES (±3%±)
3. MOISTURE CONDITION AND COMPACT INTERMEDIATE SOIL COVER UNTIL FIRM AND UNYIELDING UNDER TRACKED EQUIPMENT AS ESTABLISHED BY CQA MONITOR. COMPACTION OF THE INTERMEDIATE SOIL COVER IS TO MEET PROJECT SPECIFICATIONS.
4. SURFACE OF INTERMEDIATE SOIL COVER TO BE LEFT WITH SLOPE PERPENDICULAR TRACK IMPRESSIONS.
5. DO NOT OVERCOMPACT INTERMEDIATE SOIL COVER TO THE POINT THAT IT WOULD IMPEDE VEGETATIVE GROWTH (REFERENCE PROJECT TECHNICAL SPECIFICATIONS FOR COMPACTION REQUIREMENTS).
6. NORTH AND EAST SLOPES OF PHASE I WILL NOT RECEIVE INTERMEDIATE SOIL COVER.
7. COMPACT SOIL WEDGE BUTTRESS FILL PER SPECIFICATIONS.



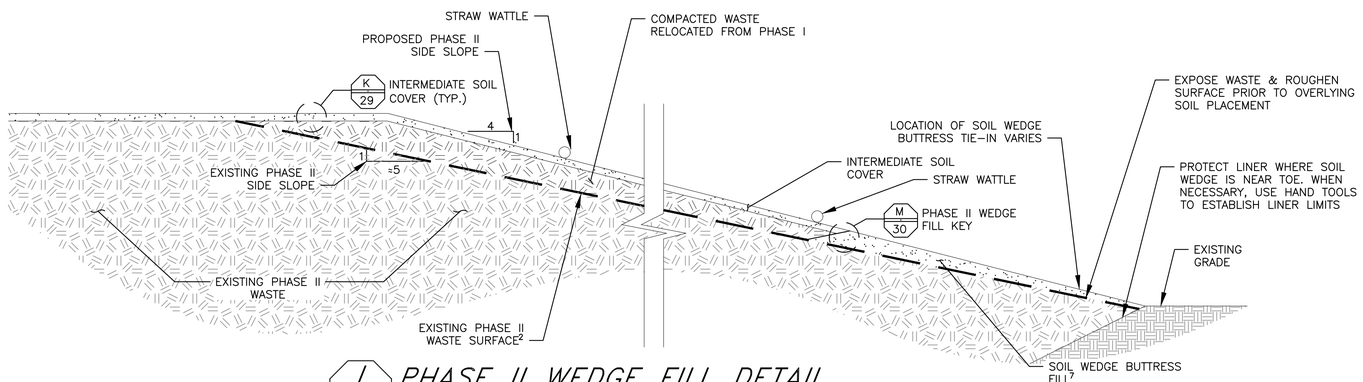
J/5 PHASE I EXCAVATION ACCESS RAMP

1" = 5'



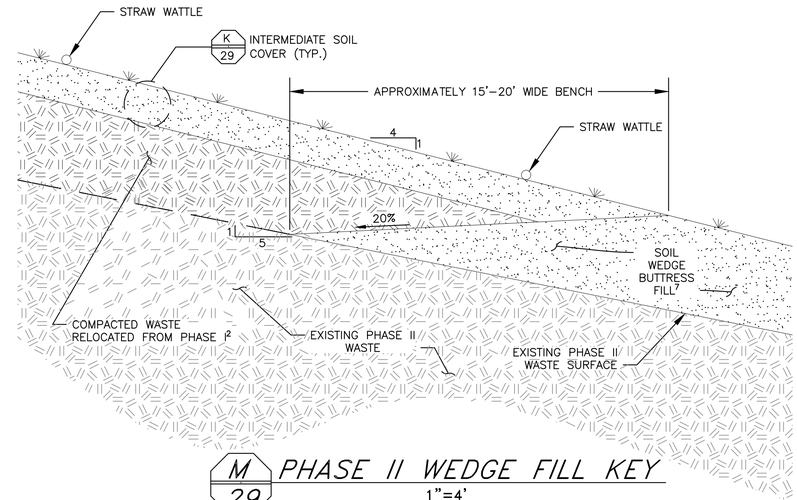
K/5 INTERMEDIATE SOIL COVER (TYP.)

NOT TO SCALE



L/15 PHASE II WEDGE FILL DETAIL

NOT TO SCALE



M/29 PHASE II WEDGE FILL KEY

1"=4'

	DATE
DESIGNED SRF	10/25/21
DRAWN JMG	10/25/21
CHECKED JVR	10/25/21
REVISION	

RECORD DRAWING

RESIDENT ENGINEER	DATE

Scale in Feet

RECORD ENGINEER
JACOB RUSSELL, PE C64512

10/25/21
DATE

REGISTERED PROFESSIONAL ENGINEER * JACOB V. RUSSELL * 64512 EXP. 6-30-23 CIVIL * STATE OF CALIFORNIA *

PROJECT

AMERICAN AVENUE DISPOSAL SITE
PHASE I WASTE RELOCATION

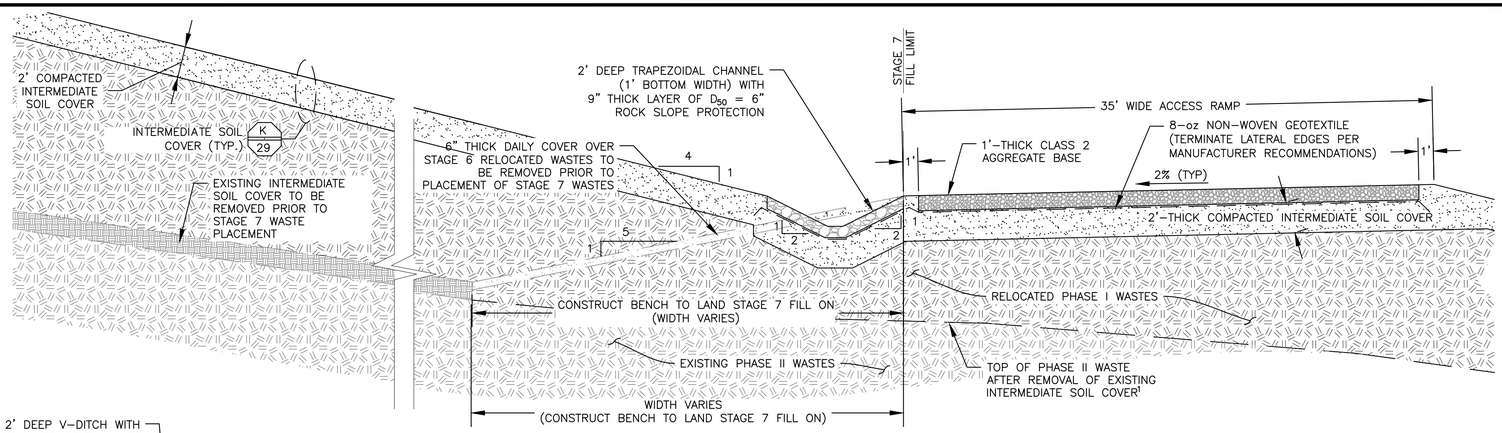
THE COUNTY OF FRESNO

DEPARTMENT OF PUBLIC WORKS AND PLANNING

DETAILS

Drawing No. 11298 Sheet No. 29 Total 37

LOCATION: o:_americus ave_fresno, county of\2018.ad06_americus ave_cities closure\task 5 permit\CAD\working drawings\DETAILS.dwg DATE: 10/8/2021 10:15 AM PLOT SCALE = 1:1 PLOTTED BY: OLA USER

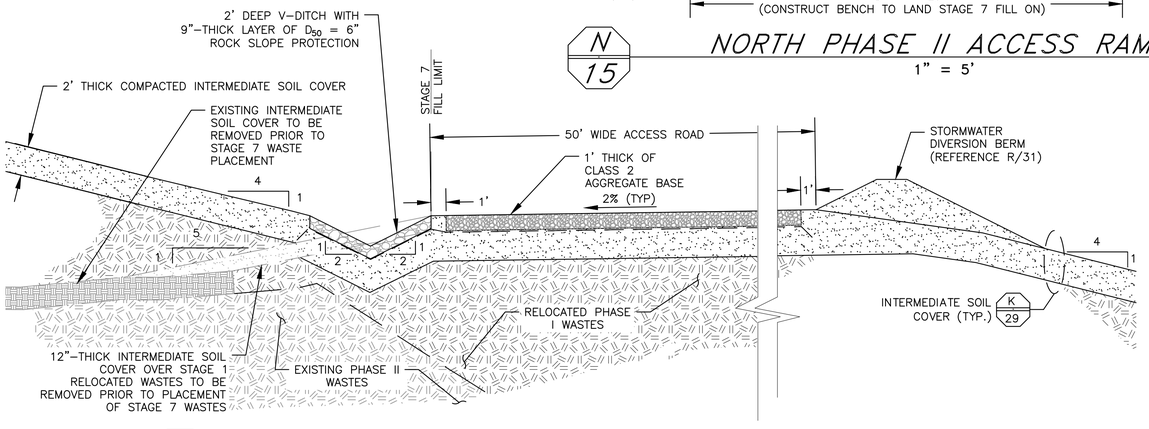


N / 15 NORTH PHASE II ACCESS RAMP ROAD

1" = 5'

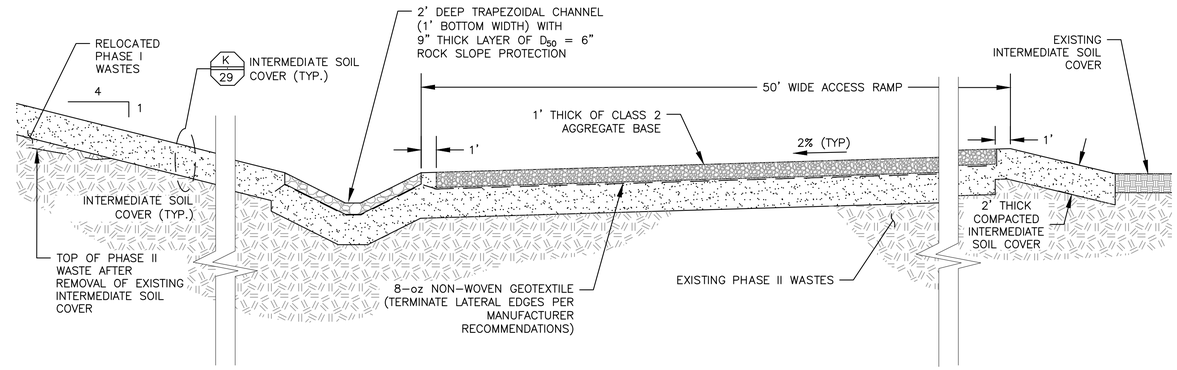
NOTES:

1. EXISTING 12" TO 18" THICK INTERMEDIATE SOIL COVER TO BE PUSHED DOWN SLOPE TO EXPOSE WASTE SURFACE AND CONSTRUCT SOIL WEDGE BUTTRESS FILL AT TOE OF SLOPE. UNUSED SOIL TO BE PUSHED UP SLOPE AND STOCKPILED ON TOP DECK. SEE SHEET 16.
2. PLACE PHASE I WASTES DIRECTLY ON EXISTING PHASE II WASTE SURFACE.
3. TRASH RACK SHALL BE CONTECH STORMRAX(TM) OR ALTERNATIVE AS APPROVED BY THE ENGINEER/OWNER. INSTALL RACK PER MANUFACTURER RECOMMENDATIONS. RACK SHALL BE CAPABLE OF SUPPORTING 300 POUNDS. INSTALLATION OF RACK SHALL BE SUCH THAT IT CAN BE EASILY REMOVED BY OWNER FOR PERIODIC MAINTENANCE.
4. CARE SHALL BE TAKEN TO AVOID EXISTING LINER.
5. REFERENCE DETAIL CC ON SHEET 36 FOR TYPICAL PIPE TRENCH DETAIL.
6. CARE SHALL BE TAKEN WHEN EXCAVATING OVER THE PHASE II ANCHOR TRENCH. CONTRACTOR SHALL VERIFY DEPTH TO TRENCH PRIOR TO GRADING STORMWATER DRAINAGE. CONTRACTOR SHALL BE SOELY RESPONSIBLE FOR DAMAGE TO THE EXISTING LINER SYSTEM AND SHALL REPAIR THE LINER AT THEIR EXPENSE TO THE SATISFACTION OF THE OWNER/ENGINEER.



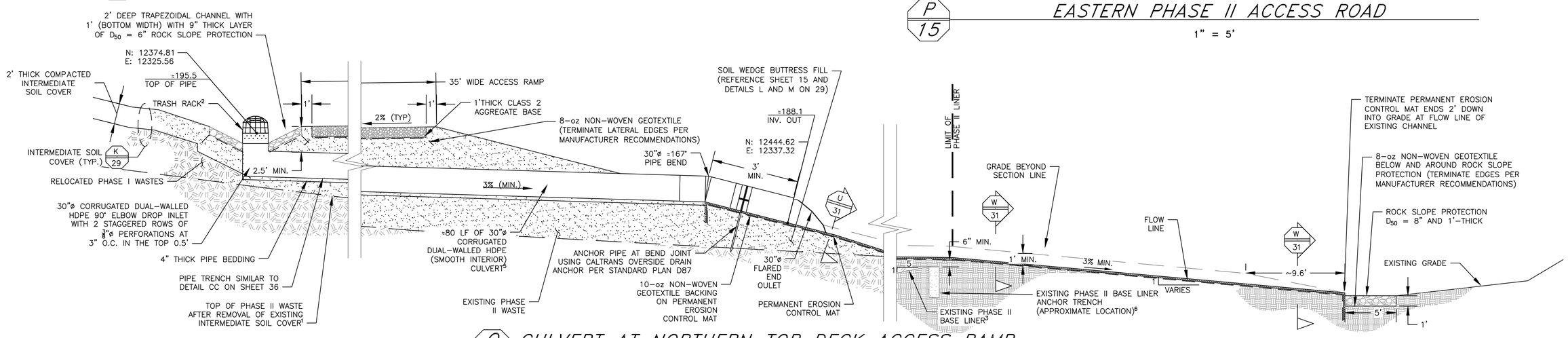
O / 15 EASTERN PHASE II TOP DECK ACCESS RAMP

1" = 5'



P / 15 EASTERN PHASE II ACCESS ROAD

1" = 5'



Q / 15 CULVERT AT NORTHERN TOP DECK ACCESS RAMP

1" = 5'

	DATE
DESIGNED SRF	10/25/21
DRAWN JMG	10/25/21
CHECKED JVR	10/25/21
REVISION	

RECORD DRAWING

RESIDENT ENGINEER	DATE

Scale in Feet

RECORD ENGINEER
JACOB RUSSELL, PE C64512

10/25/21
DATE

REGISTERED PROFESSIONAL ENGINEER
JACOB V. RUSSELL
64512
EXP. 6-30-23
CIVIL
STATE OF CALIFORNIA

PROJECT

AMERICAN AVENUE DISPOSAL SITE
PHASE I WASTE RELOCATION

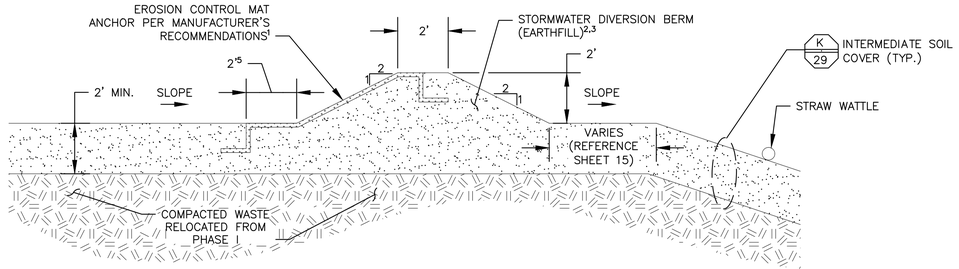
THE COUNTY OF FRESNO

DEPARTMENT OF PUBLIC WORKS AND PLANNING

DETAILS

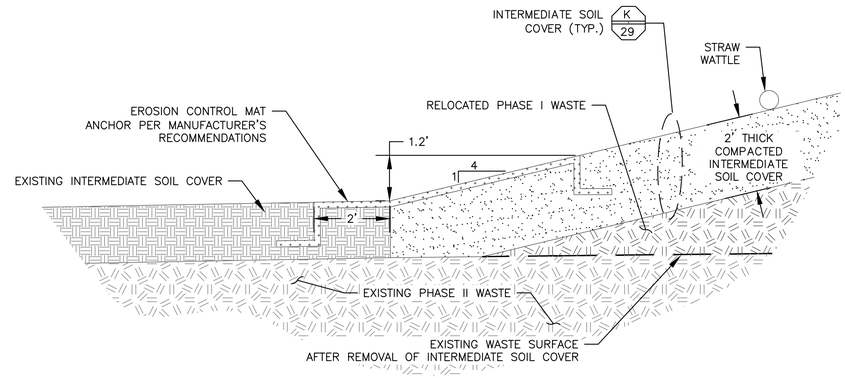
Drawing No. 11298 Sheet No. 30 Total 37

LOCATION: n:\americus ave_fresno, county of\2018.a08d_americus ave_close closure\task 5 pmnds\CAD\working drawings\DETAILS.dwg DATE: 10/8/2021 10:18 AM PLOT SCALE = 1:1 PLOTTED BY: OLA USER



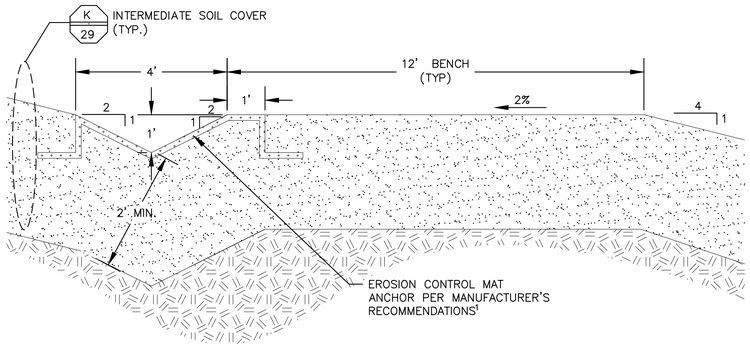
R 15 TOP DECK STORMWATER DIVERSION BERM

NOT TO SCALE



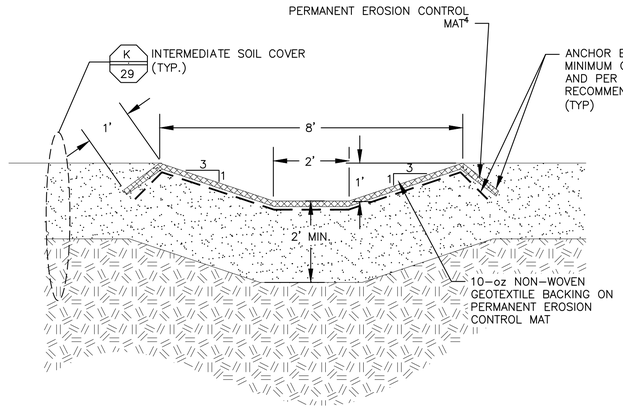
S 15 EAST SIDE OF PHASE II STAGE 7 WASTE FILL

1"=2'



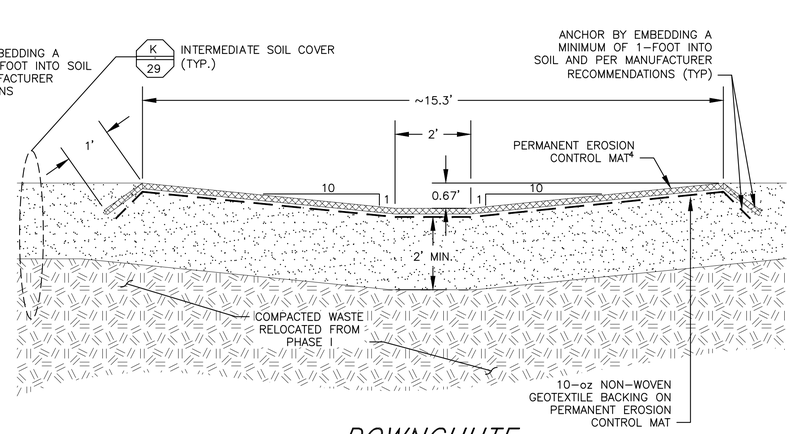
T 32 DRAINAGE BENCH (TYP.)

NOT TO SCALE



U 15 DOWNCHUTE TYPE 1

1"=2'



V 15 DOWNCHUTE TYPE 2

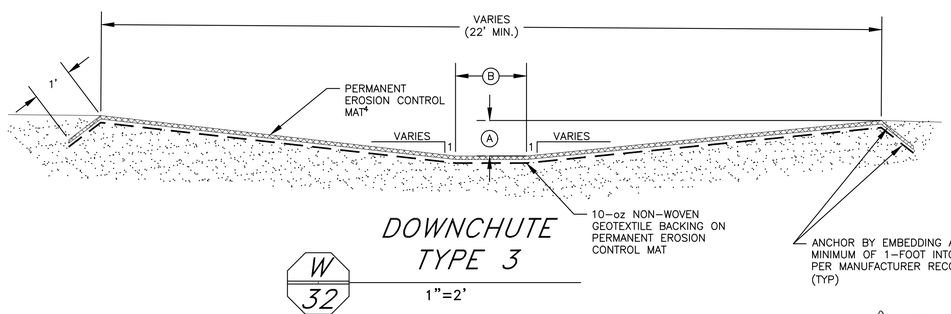
1"=2'

DOWNCHUTE TYPE 3
DIMENSION TABLE

DOWNCHUTE	MINIMUM DEPTH (A)	BOTTOM WIDTH (B)
1	1 FT	2 FT
2	1 FT	2 FT
3	1 FT	6 FT
4	NO ROAD CROSSING	
5	0.75 FT	8 FT
6	0.60 FT	8 FT
7	NO ROAD CROSSING	
8	1 FT	2 FT

NOTES:
FOR DOWNCHUTE OUTLET DIMENSIONS OUTSIDE OF PERIMETER ACCESS ROAD CROSSING REFERENCE DETAIL 5 AND SECTION Z ON SHEET 33.

ALL BENCH CROSSINGS SHALL HAVE:
(A) = 1' AND (B) = 2'



W 32 DOWNCHUTE TYPE 3

1"=2'

NOTES:

1. INSTALL AND ANCHOR EROSION CONTROL MATTING PER MANUFACTURER RECOMMENDATIONS.
2. VEGETATE BERM FOR ADDITIONAL STABILIZATION AND EROSION PROTECTION.
3. COMPACT BERM IN A MINIMUM OF TWO LIFTS AFTER MOISTURE CONDITIONING SOIL PER SPECIFICATIONS.
4. PERMANENT EROSION CONTROL MAT SHALL BE PER TECHNICAL SPECIFICATION 02640 AND APPROVED BY ENGINEER. INSTALL PERMANENT EROSION CONTROL MAT PER MANUFACTURER'S RECOMMENDATIONS, INCLUDING ANCHORING AND OVERLAPS (BID ITEM 18).
5. WHERE BERM IS ADJACENT TO ACCESS ROAD, EXTEND EROSION CONTROL MAT TO EDGE OF AGGREGATE BASE AND ANCHOR PER MANUFACTURER RECOMMENDATIONS.

	DATE
DESIGNED SAH	10/25/21
DRAWN JMG	10/25/21
CHECKED JVR	10/25/21

REVISION

RECORD DRAWING

RESIDENT ENGINEER	DATE

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RECORD ENGINEER
JACOB RUSSELL, PE C64512

10/25/21
DATE

REGISTERED PROFESSIONAL ENGINEER
JACOB V. RUSSELL
64512
EXP. 6-30-23
CIVIL
STATE OF CALIFORNIA

PROJECT

AMERICAN AVENUE DISPOSAL SITE
PHASE I WASTE RELOCATION

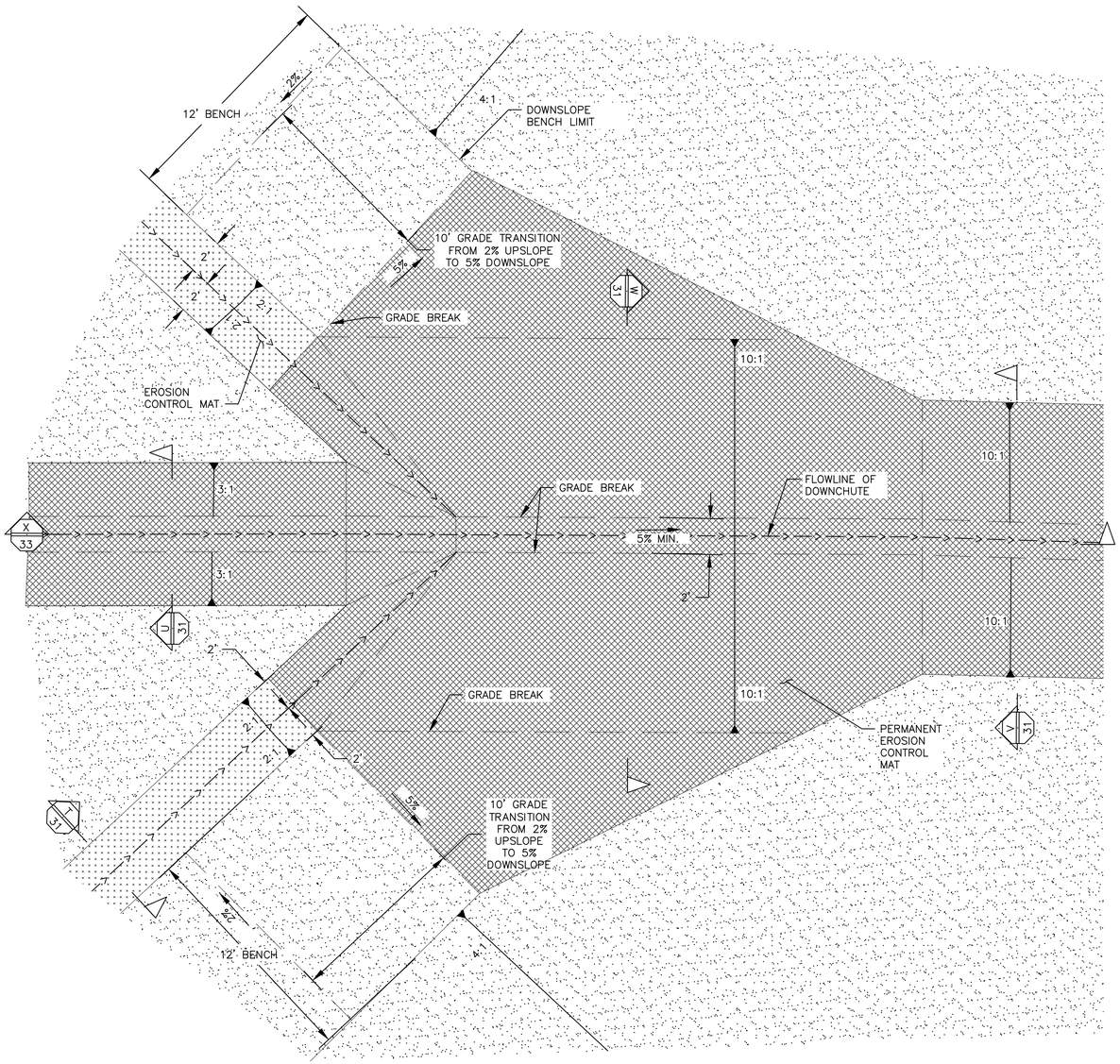
THE COUNTY OF FRESNO

DEPARTMENT OF PUBLIC WORKS AND PLANNING

DETAILS

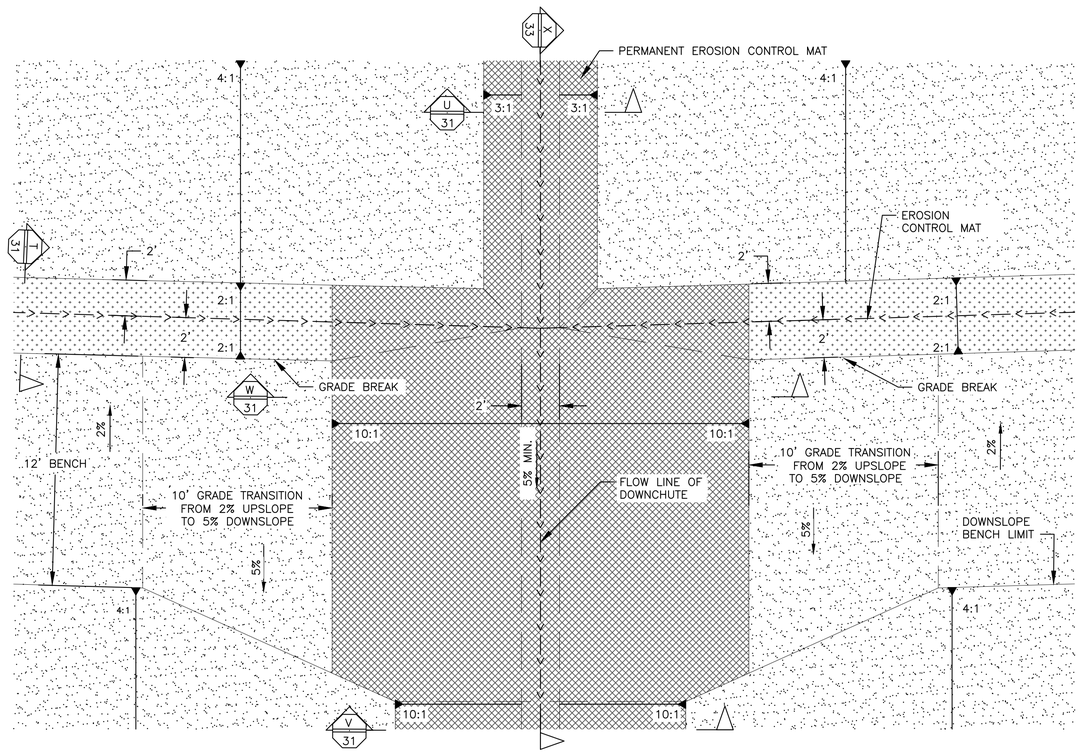
Drawing No. 11298 Sheet No. 31 Total 37

LOCATION: o:_americus ave_fresno, county of\2018.e004_americus ave_cities closure\task 5 permit\CAD\working drawings\DETAILS.dwg DATE: 10/8/2021 10:18 AM PLOT SCALE = 1:1 PLOTTED BY: GLA USER



2 / 15 BENCH STORMWATER CROSSING(1,2)

1"=4'



3 / 15 BENCH STORMWATER CROSSING

1"=4'

NOTES:
1. PERMANENT EROSION CONTROL MAT SHALL BE AS APPROVED BY ENGINEER.
2. DOWNCHUTE DETAILS ON THIS PAGE ARE CONCEPTUAL AND SHALL BE FIELD FITTED TO PROMOTE DRAINAGE.

	DATE
DESIGNED SAH	10/25/21
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CHECKED JVR	10/25/21
REVISION	

RECORD DRAWING

RESIDENT ENGINEER	DATE

Scale in Feet

RECORD ENGINEER
JACOB RUSSELL, PE C64512

10/25/21
DATE

REGISTERED PROFESSIONAL ENGINEER
JACOB V. RUSSELL
64512
EXP: 6-30-23
CIVIL
STATE OF CALIFORNIA

PROJECT

AMERICAN AVENUE DISPOSAL SITE
PHASE I WASTE RELOCATION

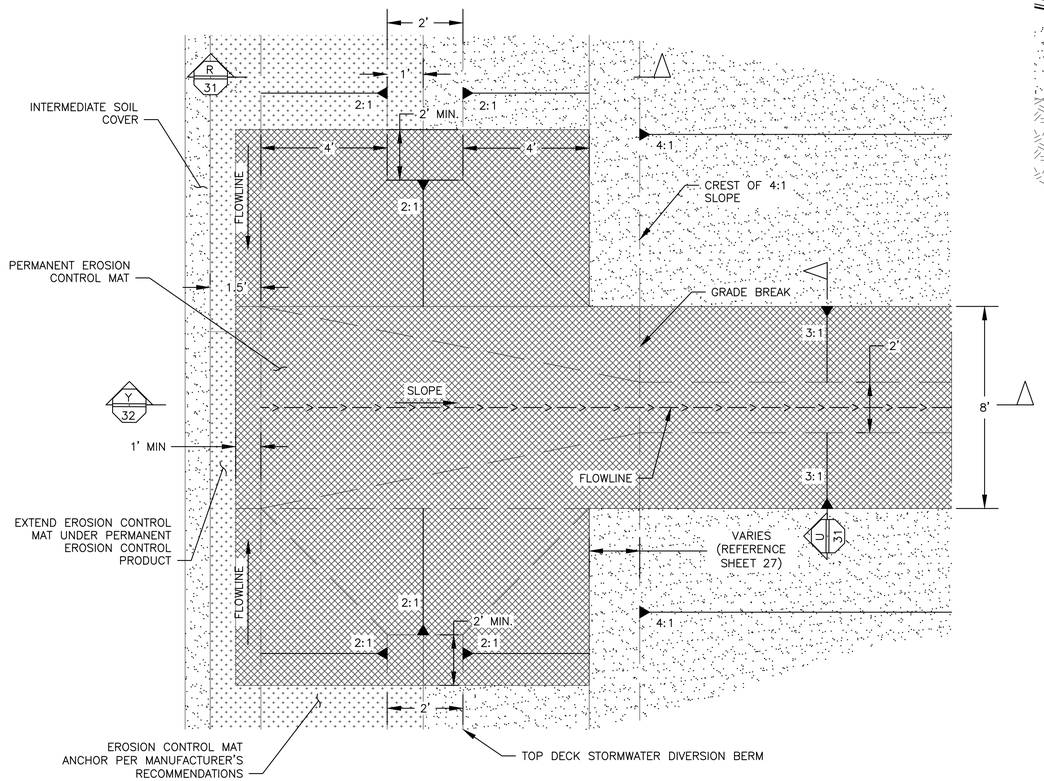
COUNTY OF FRESNO

DEPARTMENT OF PUBLIC WORKS AND PLANNING

DETAILS

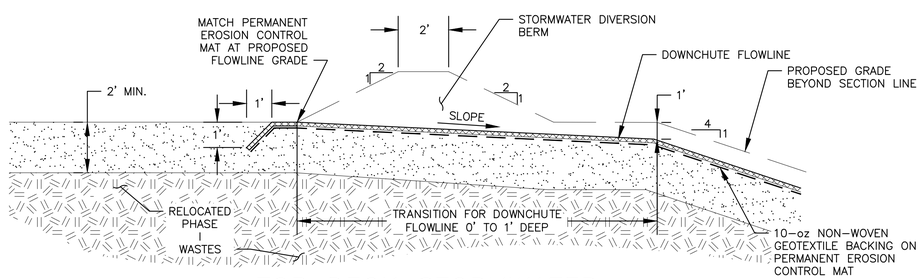
Drawing No. 11298 Sheet No. 32 Total 37

LOCATION: n:_americus ave_fresno, county of\2016\e006_americus ave_clean closure\task 3 permit\CAD\working drawings\DETAILS.dwg DATE: 10/6/2021 10:18 AM PLOT SCALE = 1:1 PLOTTED BY: OLA 11988



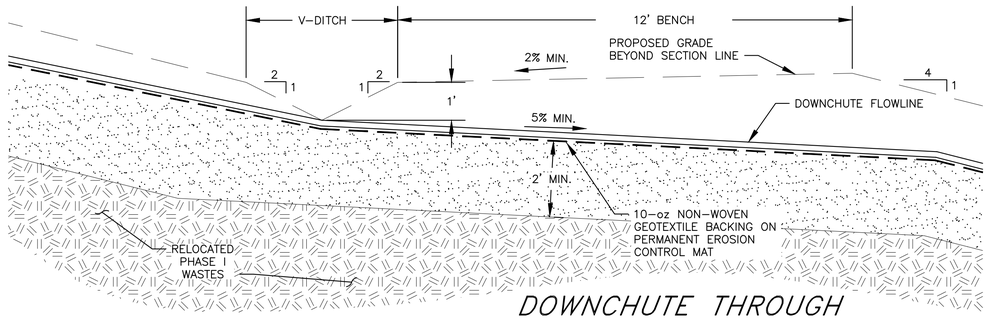
TOP DECK STORMWATER DOWNCHUTE INLET(1,2)

4/15 — 1"=3'



TOP DECK STORMWATER DOWNCHUTE INLET(4,5)

Y/32 — 1"=3'

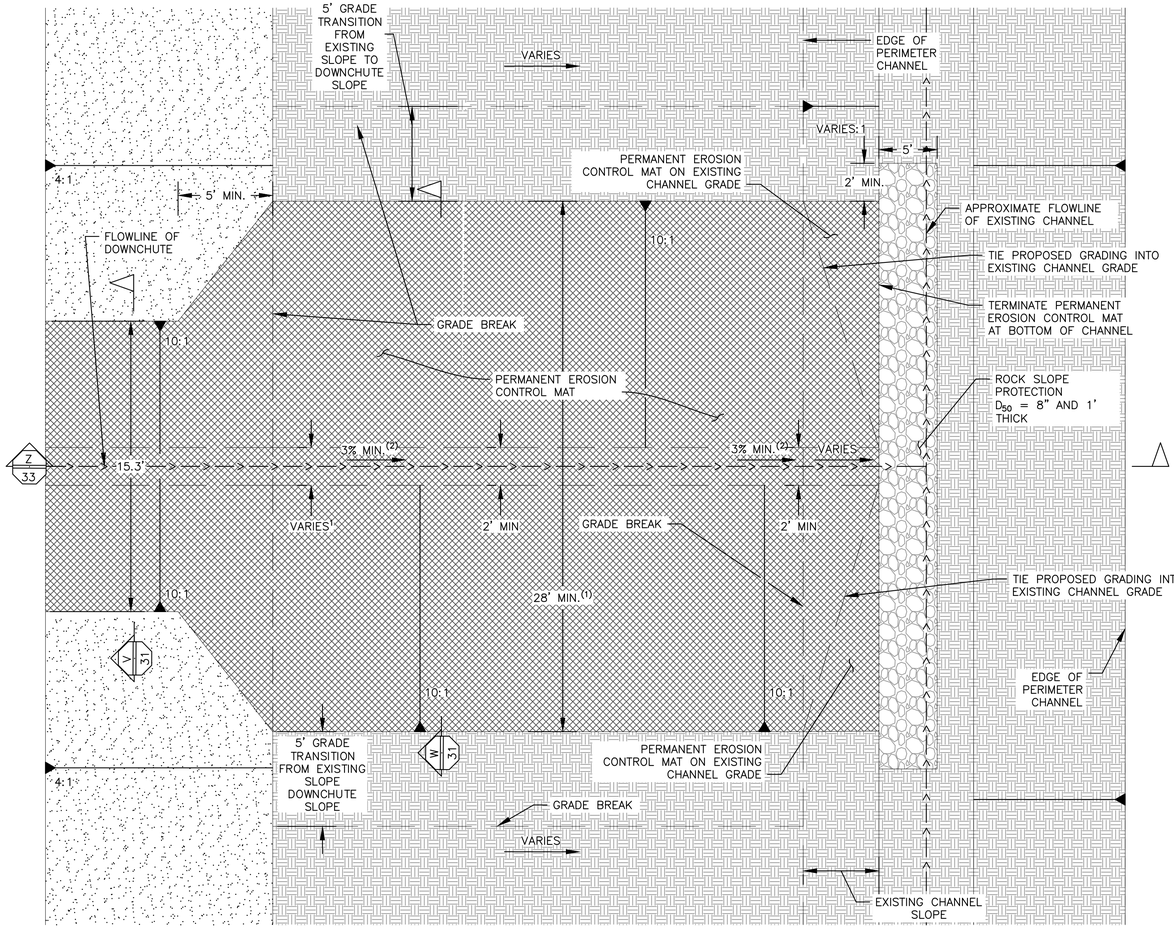


DOWNCHUTE THROUGH DRAINAGE BENCH(4,5)

X/15 — 1"=2'

NOTES:

1. ACCESS ROAD DOWNCHUTE CROSSING MINIMUM DEPTH AND BOTTOM WIDTH VARIES, REFERENCE DETAIL W ON SHEET 31.
2. SLOPE SHALL FOLLOW THE EXISTING SLOPE WHEREVER POSSIBLE, BUT MAINTAIN A 3% MINIMUM EXCEPT ON DOWNCHUTES 5 AND 6 WHERE A 2% MINIMUM SLOPE SHALL BE MAINTAINED.
3. CONTRACTOR SHALL HAND DIG THE STORMWATER DOWNCHUTE OUTLET AT THE LINER LIMIT AND WITHIN 5' OF THE LINER LIMIT TO AVOID DAMAGING THE EXISTING LINER AND ANCHOR TRENCH.
4. PERMANENT EROSION CONTROL MAT SHALL BE AS APPROVED BY ENGINEER.
5. DOWNCHUTE DETAILS ON THIS PAGE ARE CONCEPTUAL AND SHALL BE FIELD FITTED TO PROMOTE DRAINAGE.



STORMWATER DOWNCHUTE OUTLET(4,5)

5/15 — 1"=4'

	DATE
DESIGNED SAH	10/25/21
DRAWN JMG	10/25/21
CHECKED JVR	10/25/21
REVISION	

RECORD DRAWING

RESIDENT ENGINEER	DATE

Scale in Feet

RECORD ENGINEER
JACOB RUSSELL, PE C64512

10/25/21
DATE

REGISTERED PROFESSIONAL ENGINEER — JACOB V. RUSSELL — 64512 — EXP. 6-30-23 — CIVIL — STATE OF CALIFORNIA

PROJECT

AMERICAN AVENUE DISPOSAL SITE
PHASE I WASTE RELOCATION

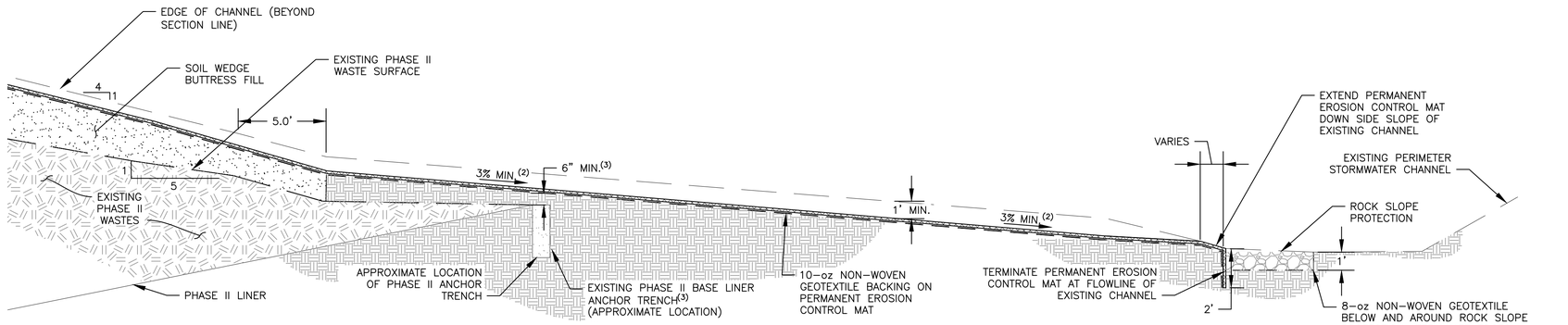
THE COUNTY OF FRESNO

DEPARTMENT OF PUBLIC WORKS AND PLANNING

DETAILS

Drawing No. 11298 Sheet No. 33 Total 37

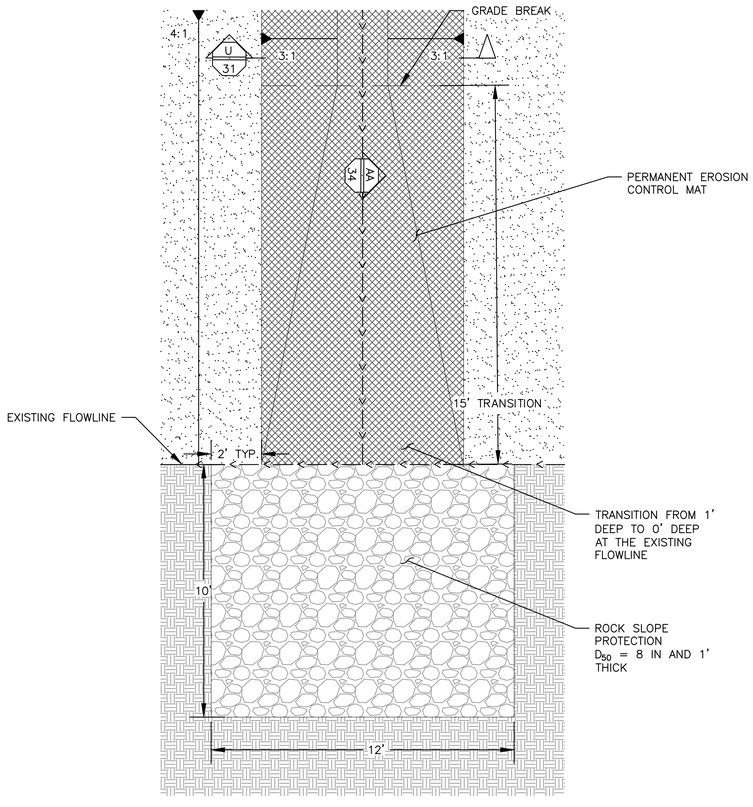
LOCATION: n:\americus ave_fresno. county of\2016.a086_americus ave_close closure\task 5 pmods\CAD\working drawings\DETAILS.dwg DATE: 10/8/2021 10:18 AM PLOT SCALE = 1:1 PLOTTED BY: OLA USER



Z / 33

STORMWATER DOWNCHUTE OUTLET(1,2)

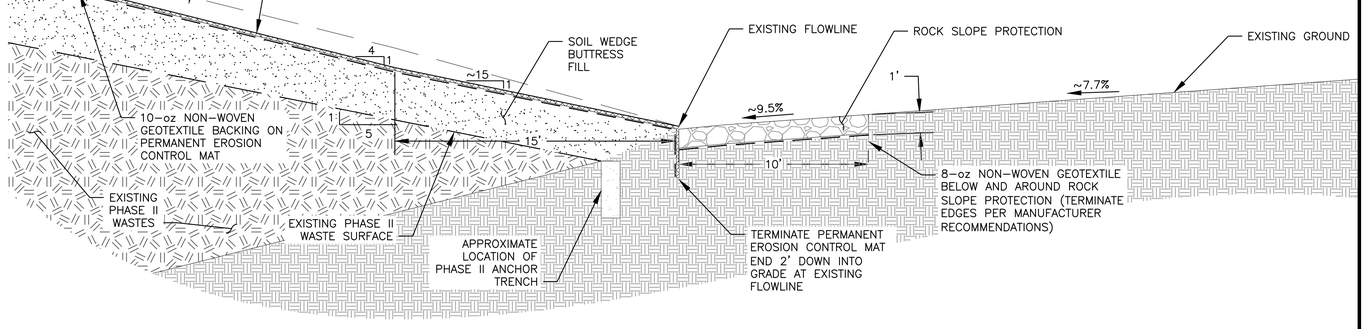
1"=4'



6 / 15

STORMWATER DOWNCHUTE 4 OUTLET(1,2)

1"=3'



AA / 34

STORMWATER DOWNCHUTE 4 OUTLET(1,2)

1"=4'

NOTES:
1. PERMANENT EROSION CONTROL MAT SHALL BE AS APPROVED BY ENGINEER.
2. DOWNCHUTE DETAILS ON THIS PAGE ARE CONCEPTUAL AND SHALL BE FIELD FITTED TO PROMOTE DRAINAGE.

	DATE
DESIGNED SAH	10/25/21
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RESIDENT ENGINEER	DATE

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RECORD ENGINEER
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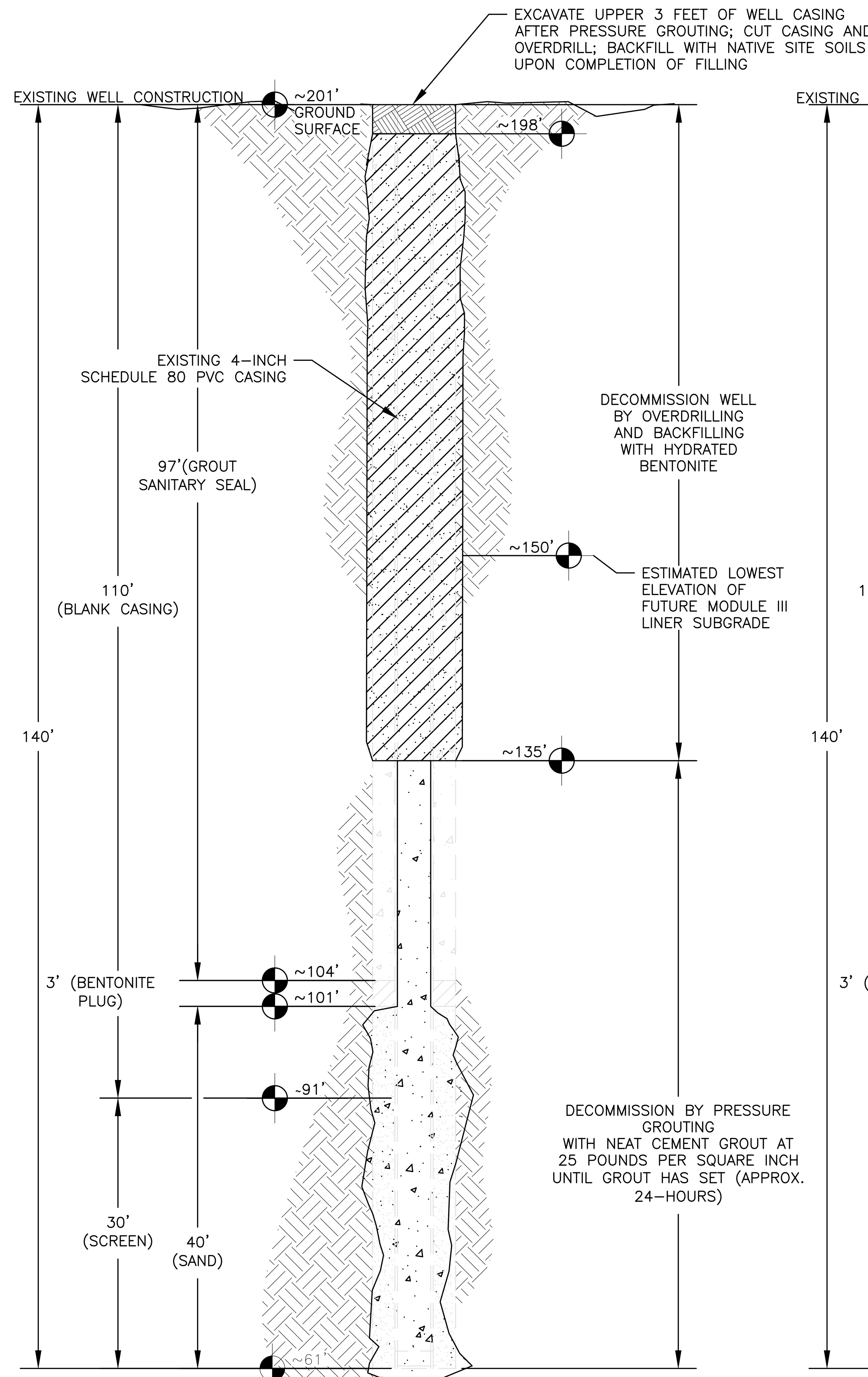
PHASE I WASTE RELOCATION

THE COUNTY OF FRESNO

DEPARTMENT OF PUBLIC WORKS AND PLANNING

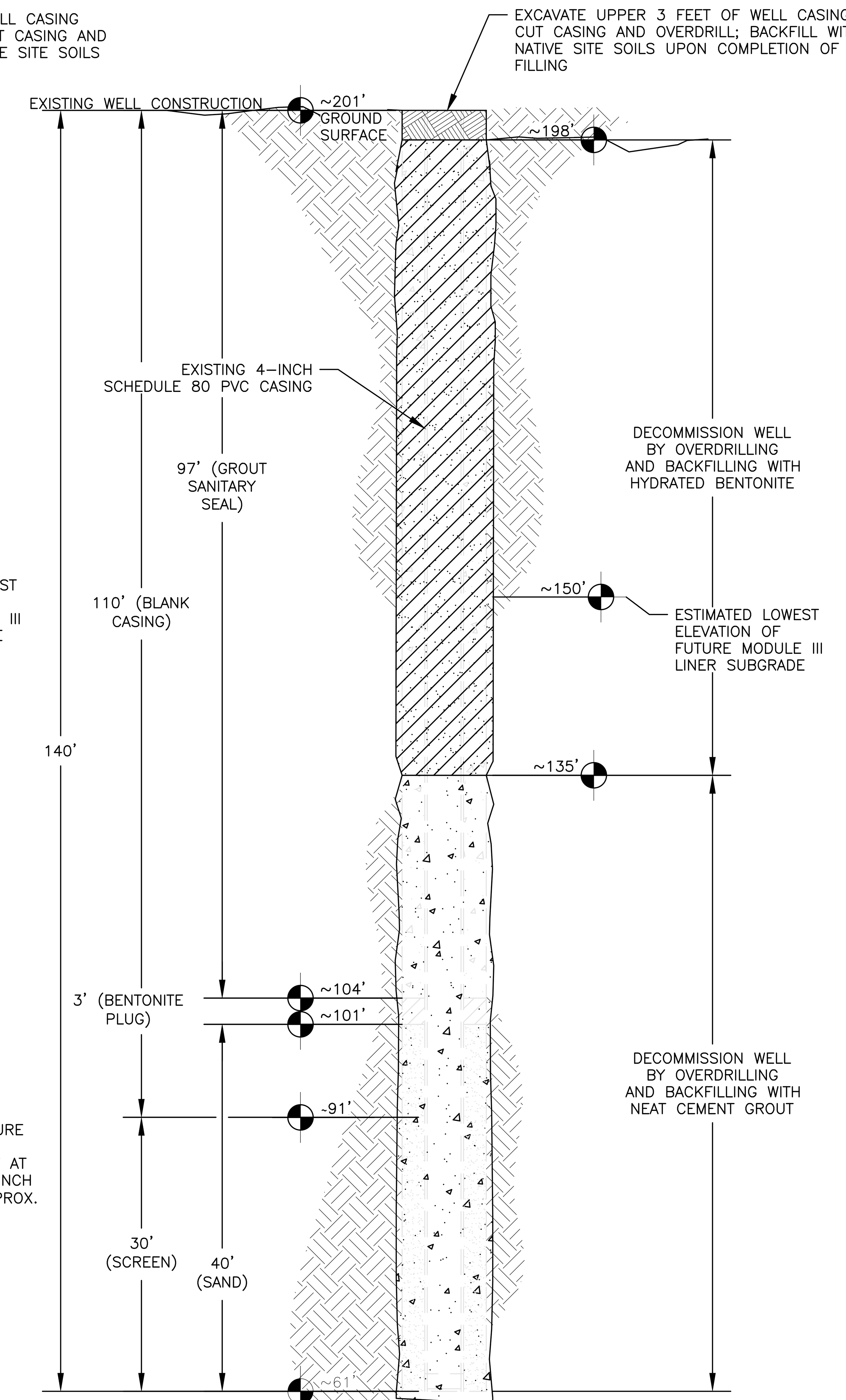
DETAILS

Drawing No. 11298 Sheet No. 34 Total 37



7/3 GROUNDWATER WELL DECOMMISSIONING

NOT TO SCALE



8/3 BRIDGED GROUNDWATER WELL DECOMMISSIONING

NOT TO SCALE

NOTES:

1. ELEVATIONS SHOWN ARE FOR ILLUSTRATIVE PURPOSES. ACTUAL ELEVATIONS TO BE ESTABLISHED VIA SURVEY PRIOR TO WELL DECOMMISSIONING.
2. ELEVATIONS SHOWN ARE BASED ON THE SITE'S BASIS OF VERTICAL CONTROL: FRESNO COUNTY BENCHMARK LH19B ON THE NORTHEAST CORNER OF AMERICAN AVENUE AND PLUMAS AVENUE HAVING AN ELEVATION OF 177.208 (NGVD29) PER FRESNO COUNTY RECORDS.

	DATE
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REVISION	

RECORD DRAWING

RESIDENT ENGINEER	DATE

Scale in Feet

RECORD ENGINEER — JACOB RUSSELL, PE C64512 — DATE 10/25/21

REGISTERED PROFESSIONAL ENGINEER — JACOB V. RUSSELL — 64512 — EXP. 6-30-23 — CIVIL — STATE OF CALIFORNIA

PROJECT

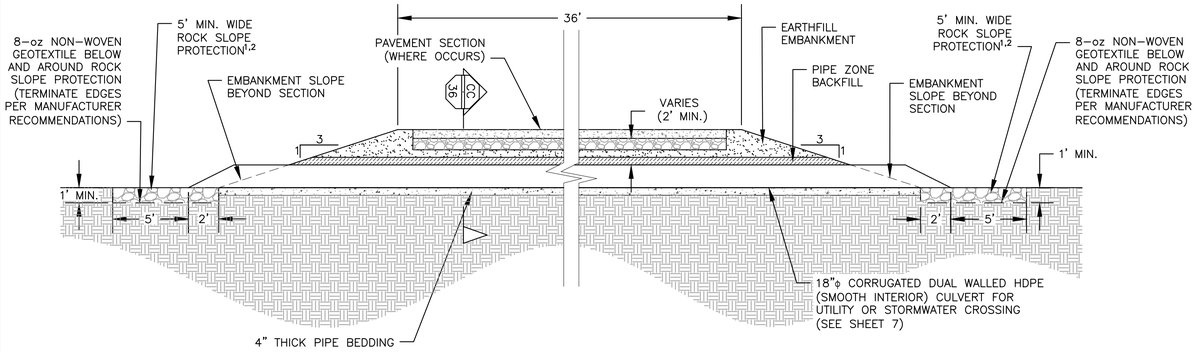
AMERICAN AVENUE DISPOSAL SITE
PHASE I WASTE RELOCATION

THE COUNTY OF FRESNO

DEPARTMENT OF PUBLIC WORKS AND PLANNING

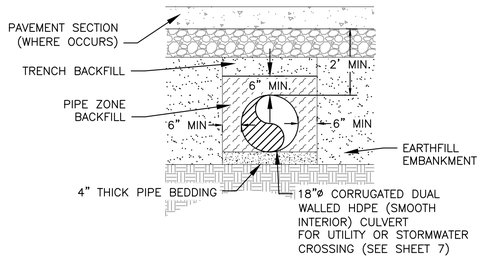
DECOMMISSIONING DETAILS

Drawing No. 11298 Sheet No. 35 Total 37



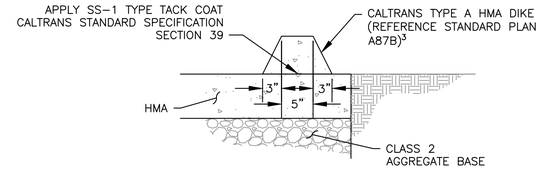
BB / 7 — CULVERT/SLEEVE CROSSING ON CUSTOMER ACCESS ROAD

1" = 5'



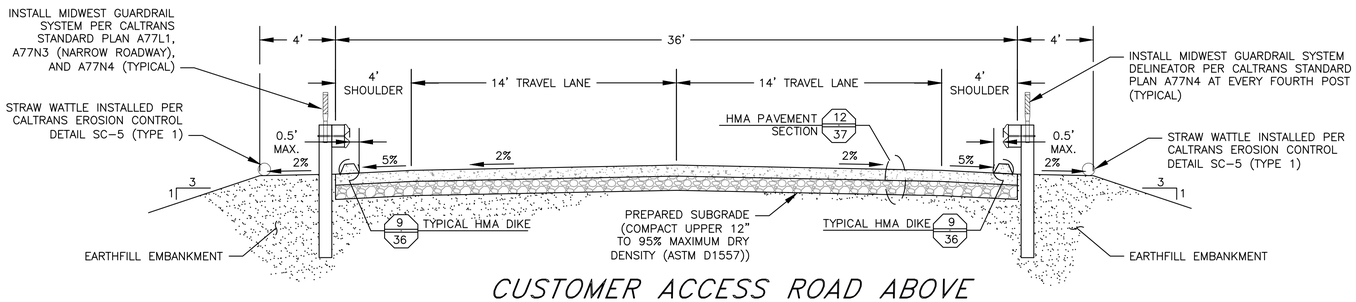
CC / 36 — CULVERT/SLEEVE PIPE TRENCH

1" = 2'



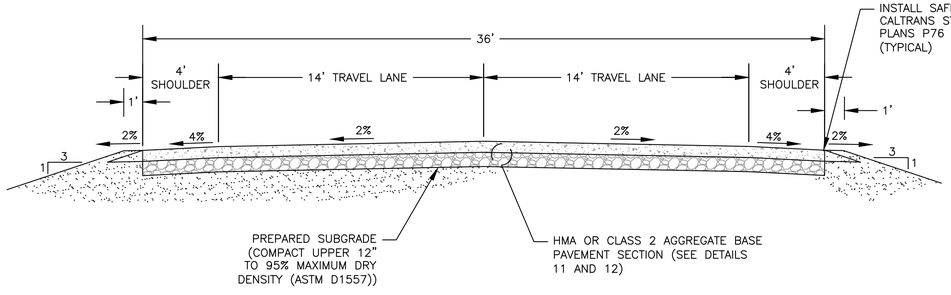
9 / 36 — TYPICAL HMA DIKE

1" = 1'



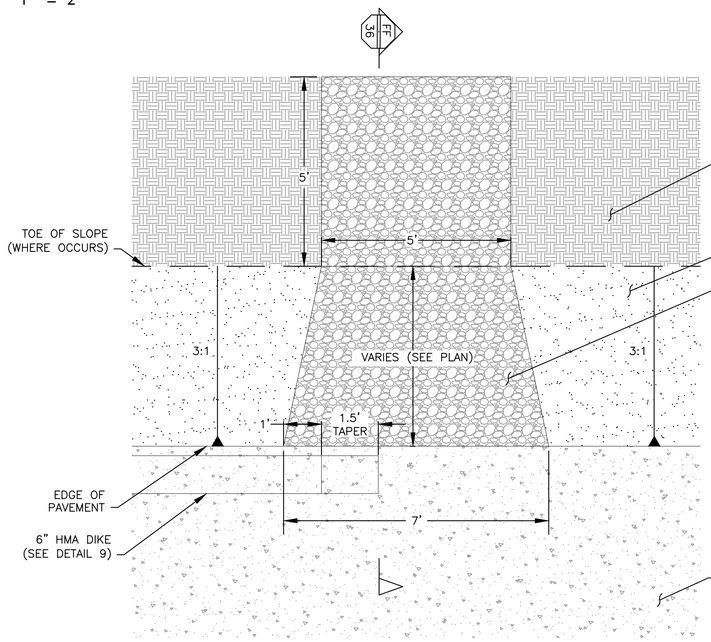
DD / 7 — CUSTOMER ACCESS ROAD ABOVE PHASE I STA 1+50 TO 5+70

1" = 4'

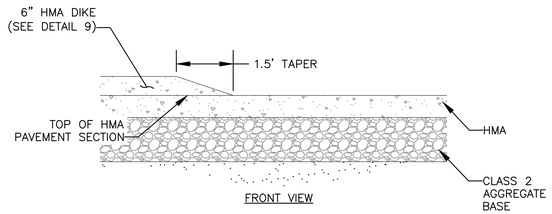


EE / 7 — CUSTOMER ACCESS ROAD STA 5+70 TO 12+50

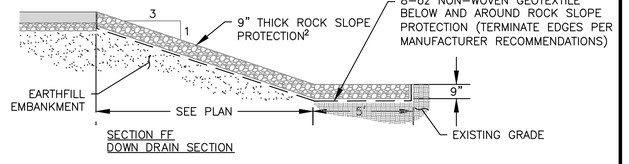
1" = 4'



PLAN VIEW



FRONT VIEW



SECTION FF
DOWN DRAIN SECTION

10 / 10 — HMA DIKE TERMINATION

1" = 2'

NOTES:
1. ROCK SLOPE PROTECTION AND GEOTEXTILE ONLY REQUIRED AT STORMWATER CULVERT.
2. ROCK SLOPE PROTECTION SHALL BE D_{50}=6".
3. ¾" TYPE A HMA WITH MINIMUM 6.40% PG64-10 ASPHALT BINDER CONTENT. CONSTRUCT HMA DIKE PER 39-2.01C(9) OF THE CALTRANS STANDARD SPECIFICATIONS.

	DATE
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REVISION

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RESIDENT ENGINEER	DATE

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RECORD ENGINEER

10/25/21
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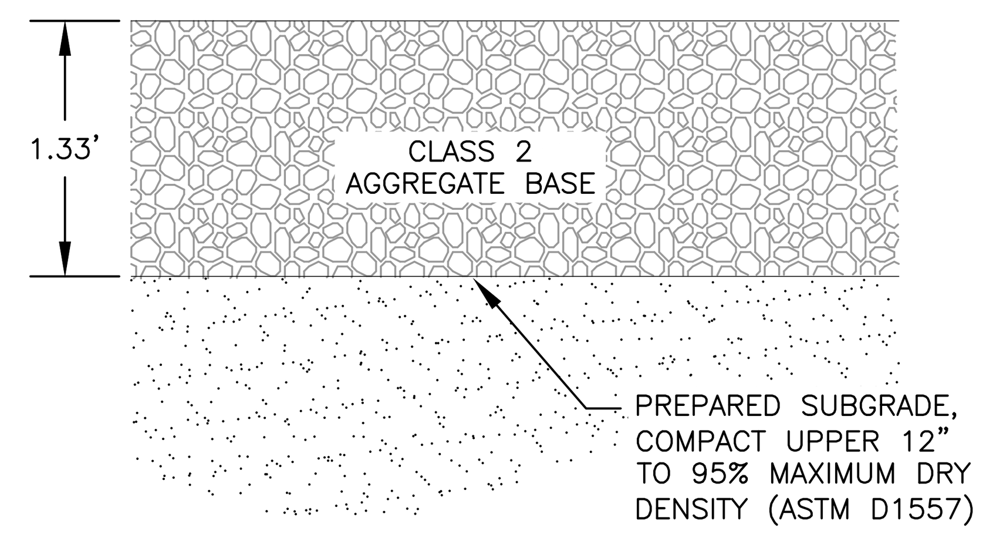
PROJECT

AMERICAN AVENUE DISPOSAL SITE
PHASE I WASTE RELOCATION

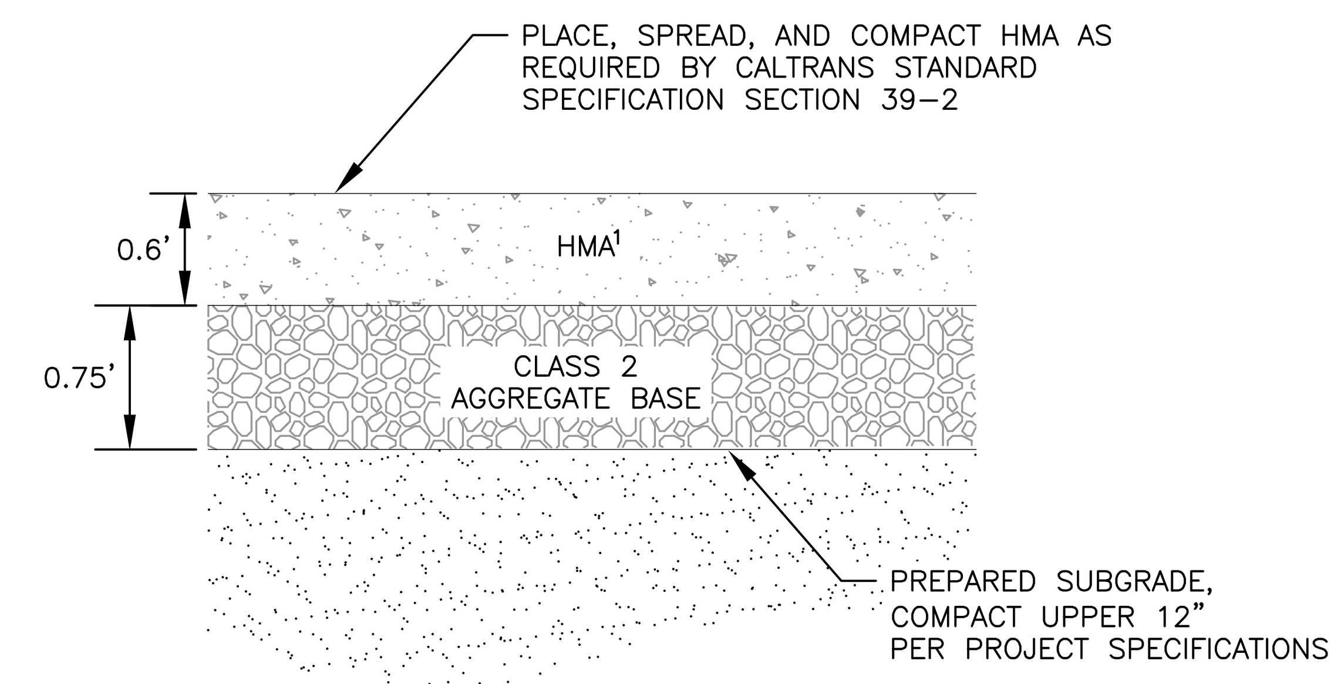
DEPARTMENT OF PUBLIC WORKS AND PLANNING

ACCESS ROAD DETAILS

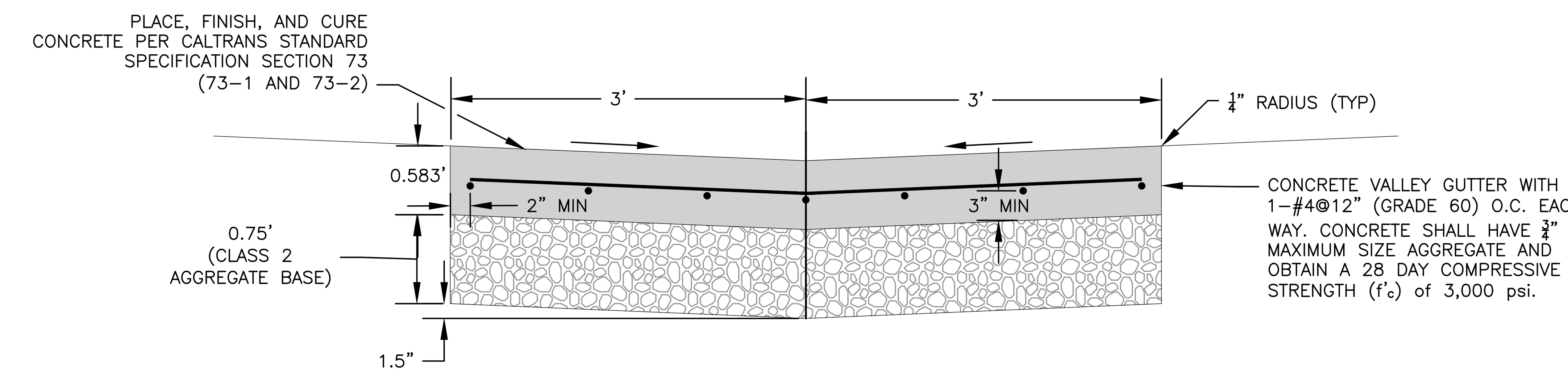
Drawing No. 11298 Sheet No. 36 Total 37



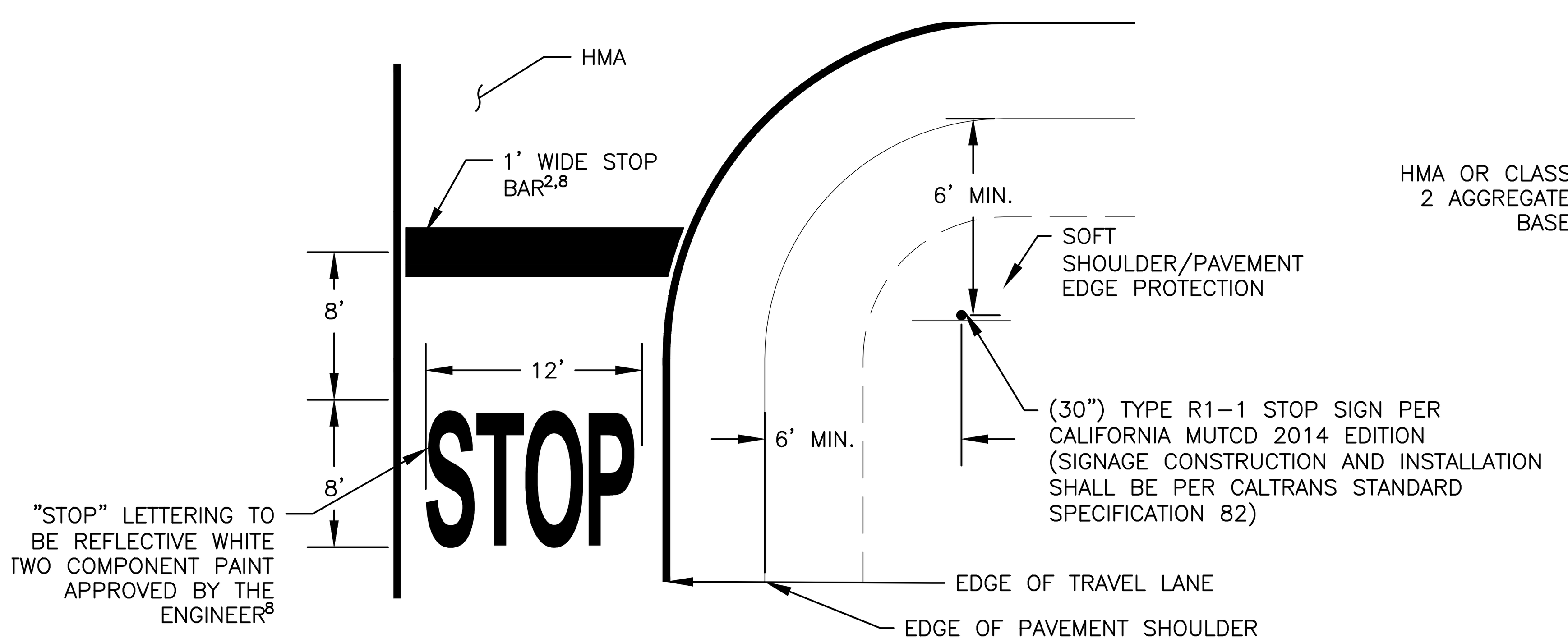
11/10 AGGREGATE BASE PAVEMENT SECTION
1" = 1'



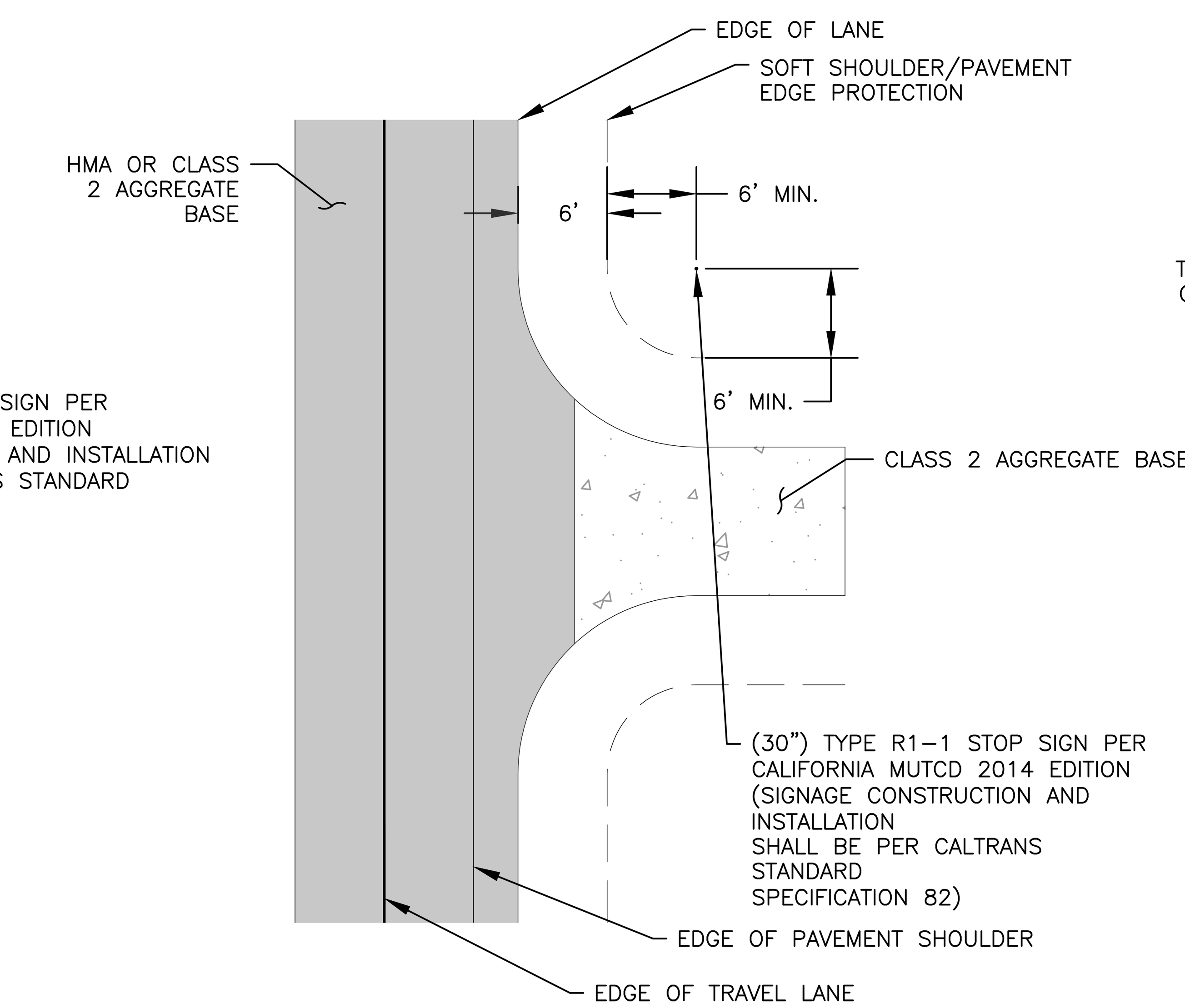
12/10 HMA PAVEMENT SECTION
1" = 1'



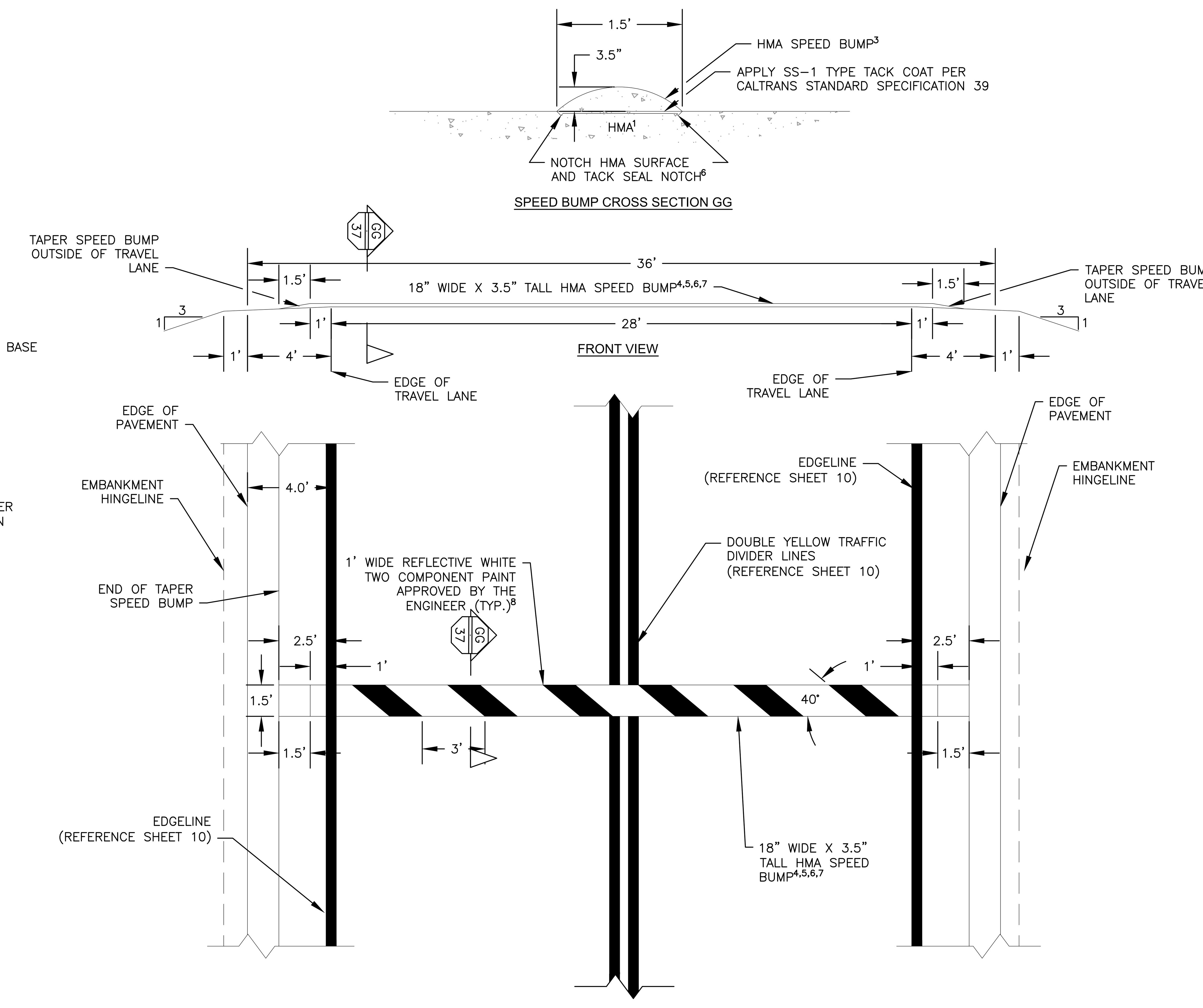
13/7 TYPICAL VALLEY GUTTER
1" = 1'



14/10 STOP SIGN
NTS



15/10 STOP SIGN STA 6+50
NTS



16/10 SPEED BUMP
1" = 4'

NOTES:
1. HMA SHALL BE AS DESCRIBED ON SHEET 10 OF THESE PLANS.
2. 12" STOP BAR TO BE WHITE REFLECTORIZED TWO COMPONENT TRAFFIC PAINT APPROVED BY THE ENGINEER LOCATED TO PROVIDE MAXIMUM VISIBILITY ALONG THROUGH STREET.
3. ⅜" TYPE A HMA WITH MINIMUM 6.40% PG64-10 ASPHALT BINDER CONTENT. CONSTRUCT SPEED BUMP PER 39-2.01C(9) OF THE CALTRANS STANDARD SPECIFICATIONS.
4. LAYOUT AND MARK AREA FOR PLACEMENT OF SPEED BUMP.
5. CLEAN AREA OF ALL DIRT AND DEBRIS.
6. NOTCH EXISTING HMA SURFACE TO ALLEVIATE SPEED BUMP DISPLACEMENT.
7. APPLY A SEAL OF LIQUID ASPHALT TO ADJOINING EDGE OF INSTALLATION TO HELP PREVENT MOISTURE PENETRATION.
8. PAVEMENT MARKING PAINT SHALL MEET THE REQUIREMENTS OF THE CALTRANS STANDARD SPECIFICATION SECTION 84.

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THE COUNTY OF FRESNO

DEPARTMENT OF PUBLIC WORKS AND PLANNING
ACCESS ROAD DETAILS
Drawing No. 11298 Sheet No. 37 Total 37