

# PLANS FOR CONSTRUCTION

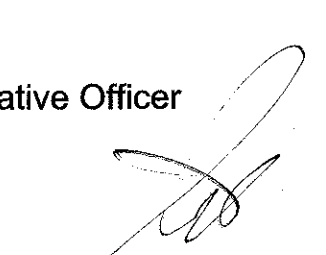
## AMERICAN AVENUE DISPOSAL SITE PHASE III - MODULES 9 & 10 EXCAVATION AND LINER CONSTRUCTION

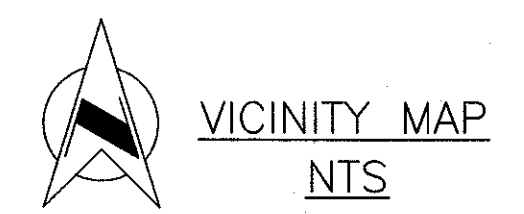
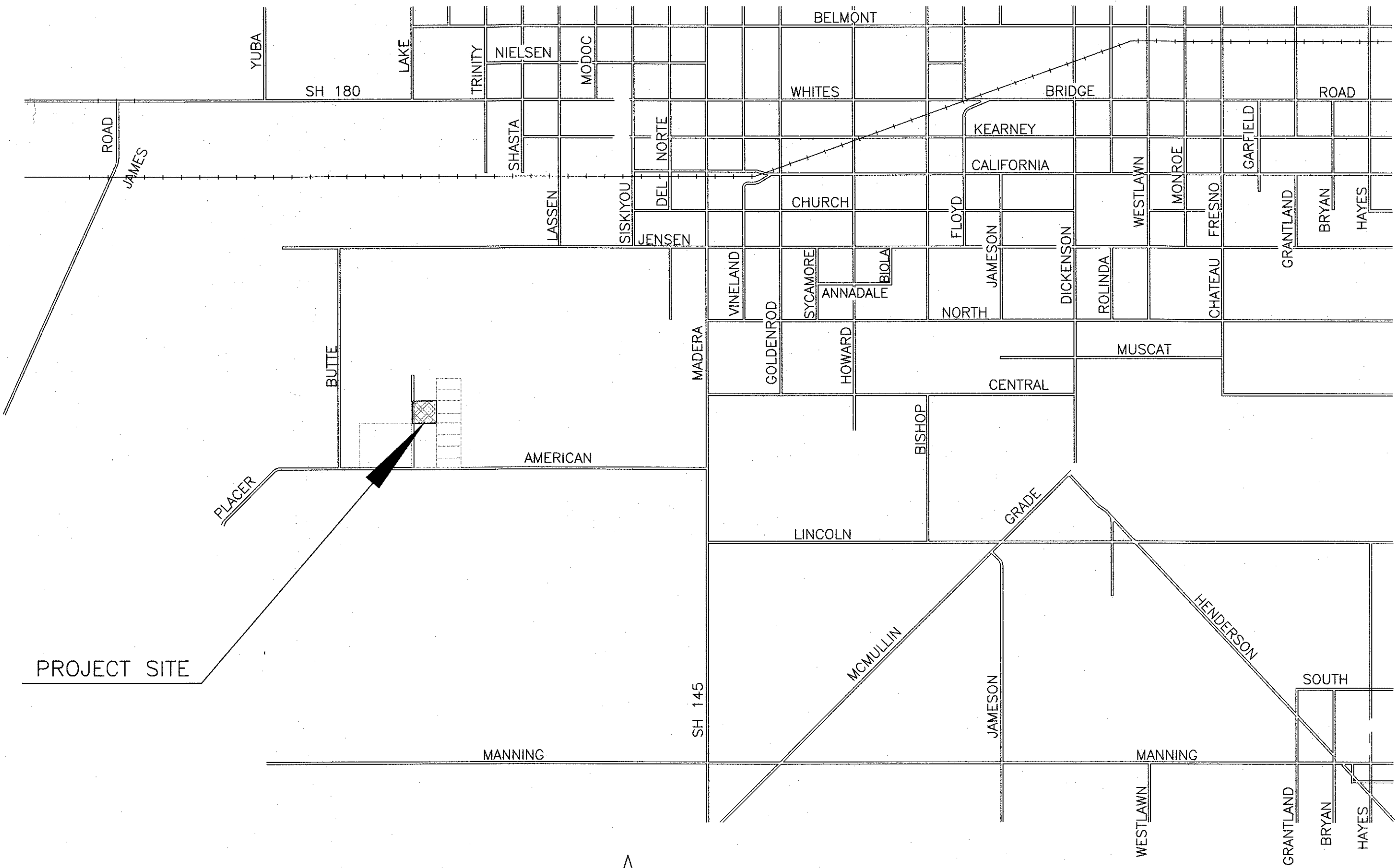
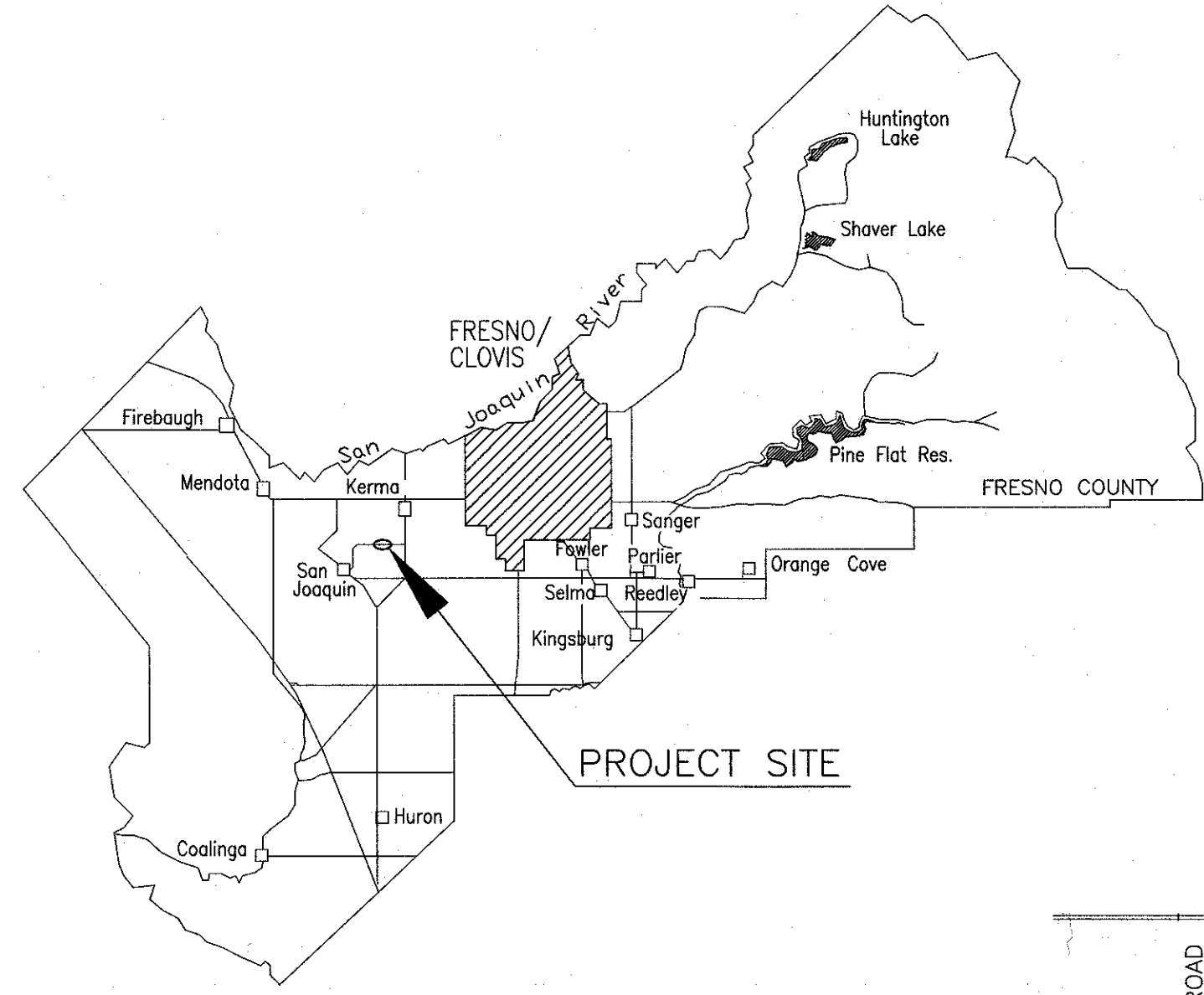
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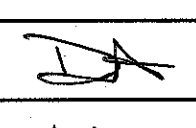
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17. ACCESS PLAN AND PROFILE (STA. 22+90.00 - STA. 27+20.00)
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Nathan Magsig, Chairman 5th District  
 Ernest "Buddy" Mendes, Vice Chairman 4th District  
 Brian Pacheco 1st District  
 Steve Brandau 2nd District  
 Sal Quintero 3rd District

Jean Rousseau  
 County Administrative Officer

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



|           |          |          |     |   |
|-----------|----------|----------|-----|---|
| DIVISION  | DESIGN   | CONST    | RMO | RESC  |
| SIGNATURE | MHA      | MSS      |     |  |
| DATE      | 1/8/2024 | 1/8/2024 |     | 1/8/24  |



DEPARTMENT OF PUBLIC WORKS AND PLANNING

| California Contractor's License required for this project<br>CLASS A, GENERAL ENGINEERING |          |            |             |           |              |
|---|----------|------------|-------------|-----------|--------------|
| DRAWING No.   | ROAD No. | BRIDGE No. | FISCAL YEAR | SHEET No. | TOTAL SHEETS |
| 11327   | N/A      | N/A        | 23/24       | 1         | 30           |
| CONTRACT No. 23 - 24 - 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

|  |  |   |
|--|--|---|
| <p>AB AGGREGATE BASE<br/>AC ASPHALT CONCRETE<br/>AG AGRICULTURE (AL)<br/>AHD AHEAD<br/>ALIGN ALIGNMENT<br/>ALT ALTERNATE<br/>AP ANGLE POINT<br/>APPROX APPROXIMATE (±)<br/>AS AGGREGATE SUBBASE<br/>ASSY ASSEMBLY<br/>AVE AVENUE<br/>BC BEGIN HORIZONTAL CURVE<br/>BCM BRASS CAP MONUMENT<br/>BEG BEGIN(ING)<br/>BKF BACKFILL<br/>BLDG BUILDING<br/>BLVD BOULEVARD<br/>BM BENCH MARK<br/>BMW BACKGROUND MONITORING WELL<br/>BR BRIDGE<br/>BVCE BEGIN VERTICAL CURVE ELEVATION<br/>BVCS BEGIN VERTICAL CURVE STATION<br/>BW BARBED WIRE<br/>CC CENTER TO CENTER<br/>CF CUBIC FOOT (FEET)<br/>CFS CUBIC FEET PER SECOND<br/>C &amp; G CURB AND GUTTER<br/>CIP CAST IRON PIPE<br/>CIPCP CAST-IN-PLACE CONCRETE PIPE<br/>C/L (C) CENTER LINE<br/>CL CHAIN LINK<br/>CLR CLEAR, CLEARANCE<br/>CMP CORRUGATED METAL PIPE<br/>CNS COMPACTED NATIVE SOIL<br/>CO COUNTY<br/>COL COLUMN<br/>CONC CONCRETE<br/>CONST CONSTRUCT (ION)<br/>CONT CONTINUOUS<br/>CP CONCRETE PIPE<br/>CS COTTON SPINDLE<br/>CSP CORRUGATED STEEL PIPE<br/>CA TV CABLE TELEVISION<br/>CULV CULVERT<br/>CY (CU YD) CUBIC YARD(S)<br/>D* MATCH DISTANCE<br/>DF DOUGLAS FIR<br/>DI DRAINAGE INLET<br/>DIA (φ) DIAMETER<br/>DIST DISTANCE<br/>DMW DETECTION MONITORING WELL</p> | <p>DRWY DRIVEWAY<br/>E EAST<br/>EA EACH<br/>EASE EASEMENT<br/>EC END HORIZONTAL CURVE<br/>ECR END CURB RETURN<br/>ELEV ELEVATION<br/>(ELEV) EXISTING ELEVATION<br/>EMB EMBANKMENT<br/>EP EDGE OF PAVEMENT<br/>ETW EDGE OF TRAVELWAY<br/>EVCE END VERTICAL CURVE ELEVATION<br/>EVCS END VERTICAL CURVE STATION<br/>EXC EXCAVATION<br/>EXIST EXISTING<br/>FCBCM FRESNO COUNTY BCM<br/>FCBM FRESNO CITY BENCH MARK<br/>FES FLARED END SECTION<br/>FG FINISHED GRADE<br/>FH FIRE HYDRANT<br/>FL FLOW LINE<br/>FRE FRESNO<br/>FR RD FRONTAGE ROAD<br/>FT FOOT (FEET)<br/>GAL GALLON (S)<br/>GALV GALVANIZED<br/>GCL GEOSYNTHETIC CLAY LINER<br/>GMP GRATED METAL PIPE<br/>GP GRADING PLANE<br/>GW GUY WIRE<br/>HORIZ HORIZONTAL<br/>HP HINGE POINT<br/>HS HIGH STRENGTH<br/>HDPE HIGH DENSITY POLYETHYLENE<br/>HWM HIGH WATER MARK<br/>IB IMPORTED BORROW<br/>ID INSIDE DIAMETER<br/>IN INCH(ES)<br/>IP IRON PIPE<br/>IRR IRRIGATION<br/>IV IRRIGATION VALVE<br/>JP JOINT POLE<br/>JT JOINT<br/>L LINE LAYOUT LINE<br/>LBS POUNDS<br/>LF LINEAR FOOT<br/>LOC LOCATION<br/>LP LIMIT OF PAYMENT<br/>LS LUMP SUM<br/>LT LEFT<br/>MAX MAXIMUM</p> | <p>MH MANHOLE<br/>MI MILE (S)<br/>MIL ONE THOUSANDTH OF AN INCH<br/>MIN MINIMUM<br/>MISC MISCELLANEOUS<br/>MOD MODIFY (IED)<br/>MON MONUMENT<br/>MP MILE POST<br/>MTL MATERIAL<br/>N NORTH<br/>N/A NOT APPLICABLE<br/>NO (#) NUMBER<br/>NS NATIVE SOIL<br/>NTS NOT TO SCALE<br/>OC ON CENTER<br/>OD OUTSIDE DIAMETER<br/>OG ORIGINAL GROUND<br/>OZ/SY OUNCES PER SQUARE YARD<br/>PB PULL BOX<br/>PBS PULVERIZED BITUMINOUS SURF<br/>PE POLYETHYLENE<br/>PCC PORTLAND CEMENT CONCRETE<br/>PERM PERMEABLE<br/>PG PROFILE GRADE<br/>PI POINT OF INTERSECTION<br/>P/L PROPERTY LINE<br/>POC POINT ON CURVE<br/>POT POINT ON TANGENT<br/>PP POWER POLE<br/>PPP PERFORATED PLASTIC PIPE<br/>PRF PAVEMENT REINFORCING FABRIC<br/>PSF POUNDS PER SQUARE FOOT<br/>PSI POUNDS PER SQUARE INCH<br/>PNT POINT<br/>PULV PULVERIZED<br/>PVC POLYVINYL CHLORIDE<br/>PVMT PAVEMENT<br/>PVI POINT OF VERTICAL INTERSECTION<br/>R RADIUS<br/>RCP REINFORCED CONCRETE PIPE<br/>RD ROAD<br/>R &amp; D REMOVE AND DISPOSE<br/>REINF REINFORCED (MENT) (ING)<br/>REL RELOCATE<br/>RG RUBBER GASKET<br/>RLD ROCK LINED DITCH<br/>R &amp; S REMOVE AND SALVAGE<br/>RSP ROCK SLOPE PROTECTION<br/>RT RIGHT<br/>RTE ROUTE</p> |
|--|--|---|

## GENERAL NOTES

1. DIMENSIONS SHOWN ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. THE FOLLOWING APPLY TO EARTHWORK QUANTITIES.
  - A. EXCAVATION QUANTITIES ARE IN PLACE VOLUMES OF EXCAVATION. NO ALLOWANCE FOR SUBSIDENCE AND SHRINKAGE.
3. STATE STANDARD SPECS - 2015 EDITION

## CONSTRUCTION SYMBOLS

|  |   |  |
|--|---|--|
| <p> MODULE SUBGRADE PREP<br/> COMPACTED BACKFILL<br/> EXIST AGGREGATE BASE<br/> COMPACTED AGGREGATE BASE (AB)<br/> COMPACTED DIRT/SHOULDER (90% CNS)<br/> EXIST COMPACTED BACKFILL TO REMAIN<br/> EXIST COMPACTED BACKFILL TO BE REMOVED<br/> OPERATIONS LAYER<br/> PERMEABLE MATERIAL<br/> COLD PLANE AREAS<br/> CONCRETE<br/> OG<br/> INFILL 90% CNS</p> | <p> FA CURB EXTENSION<br/> DEPRESSED CURB<br/> DEPRESSED CURB RETURN<br/> COMMERCIAL SIDEWALK<br/> CONCRETE DRIVEWAY<br/> AC DRIVEWAY<br/> DIRT DRIVEWAY<br/> MODIFY CONC DRIVEWAY<br/>"W" DENOTES WIDTH<br/>"D" DENOTES MATCH DISTANCE<br/>"S" DENOTES SKEW ANGLE<br/> DRAINAGE INLET<br/> DRAINAGE OUTLET<br/> ADJUST AIR RELEASE VALVE<br/> ADJUST WATER VALVE<br/> 2" AC DEPRESSED DIKE<br/> 4" AC INTERMEDIATE DIKE<br/> 6" AC DIKE<br/> RADIUS<br/>"R" DENOTES RADIUS IN FEET<br/> VADOSE ZONE MONITORING STATION TO REMAIN<br/> EXISTING MONITORING WELLS TO REMAIN<br/> EXISTING PRODUCTION WELL<br/> STAND PIPE<br/> VENT PIPE</p> | <p> SURVEY MONUMENT<br/> CONCRETE COLLAR<br/> TRENCH RESURFACING<br/> SAW CUT<br/> SOIL STERILIZATION<br/> EARTH BERM<br/> MEDIAN DIRT DIKE<br/> DIRT DIKE<br/> OVERSIDE DRAIN<br/>"L" DENOTES LENGTH IN FEET<br/> MISCELLANEOUS AREA<br/> DIRECTION OF FLOW<br/> GRADE TO FLOW<br/> HINGE POINT<br/> CHAIN LINK FENCE<br/> BARBED WIRE FENCE<br/> INSTALL CONTROL ASSY WATER SERVICE TO MEDIAN<br/> GRADING PLANE AND LIMIT OF ROADWAY EXCAVATION<br/>A:B → A = HORIZONTAL DISTANCE<br/>          B = VERTICAL DISTANCE<br/>          ARROW POINTS DOWN SLOPE<br/># % → SLOPE IN PERCENT<br/>          ARROW POINTS DOWN SLOPE<br/> MODULE NUMBER</p> |
|--|---|--|

|  |   |
|--|---|
|  | REFERENCE TO STATE STANDARD PLAN DETAIL     |
|  | REFERENCE TO DETAIL ON DWG. OR DETAIL TITLE |
|  | SECTION CUT                                 |

## STANDARD PLANS LIST GENERAL ROAD WORK

- INDICATES APPLICABLE PLAN
- A62D  EXCAVATION & BACKFILL CONCRETE PIPE CULVERTS
  - A62DA  EXCAVATION & BACKFILL CONCRETE PIPE CULVERTS
  - A62F  EXCAVATION AND BACKFILL METAL AND PLASTIC CULVERTS
  - A85  CHAIN LINK FENCE
  - D94A  METAL AND PLASTIC FLARED END SECTIONS

| EXISTING | PROPOSED | REMOVED |
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## EXISTING IMPROVEMENTS

|  |
|--|
| <p> TYPE "A" CURB<br/> TYPE "B3" CURB<br/> TYPE "FA" CURB<br/> COMMERCIAL SIDEWALK<br/> RESIDENTIAL SIDEWALK<br/> VALLEY GUTTER<br/> DIKE<br/> SURVEY MONUMENT<br/> DRAIN WELL<br/> INLET OR OUTLET<br/> WIRE FENCE<br/> CHAIN LINK FENCE<br/> MASONRY FENCE<br/> WOOD FENCE<br/> AG WELL<br/> WATER VALVE</p> |
|--|

## STATE STANDARD PLANS - 2015 EDITION

|   |                                      |  |  |  |
|---|--------------------------------------|--|--|--|
| <p>DESIGNED <u>D. KWAN</u> DATE <u>04/2023</u><br/>DRAWN <u>D. KWAN, J. DONMYER</u> DATE <u>04/2023</u><br/>CHECKED <u>S. ARTAL</u> DATE <u>12/2023</u></p> | <p>Scale in Feet</p> <p>NO SCALE</p> | <br>SUPERVISING ENGINEER<br>DATE <u>01/08/2024</u> | <p>PROJECT</p> <p><b>AMERICAN AVENUE DISPOSAL SITE</b><br/>PHASE III - MODULES 9 &amp; 10</p> <p>Road No. <u>N/A</u> Bridge No. <u>N/A</u></p> | <br>DEPARTMENT OF PUBLIC WORKS AND PLANNING<br><b>GENERAL LEGEND AND STANDARD PLANS LIST</b><br>Drawing No. 11327 Sheet No. 2 Total 30 |
| REVISION: FOR R/W DATA AND ACCURATE ACCESS DETERMINATION SEE R/W RECORDS AT PUBLIC WORKS  |                                      |  |  |  |

**BASIS OF COORDINATES:**

Point number 3, the North 1/4 of Section 5, Township 15 South, Range 17 East, was held as 9999.600 North, 10000.160 East. Point number 4, the Northwest Corner of Section 4 Township 15 South, Range 17 East, was held as 10032.120 North, 12638.640 East.

**BASIS OF VERTICAL CONTROL:**

Fresno County Bench Mark, LH 17A, a chiseled square on concrete fuel pump pad, located at the entrance of landfill. Elev.=182.492

**SPECIAL NOTE:**

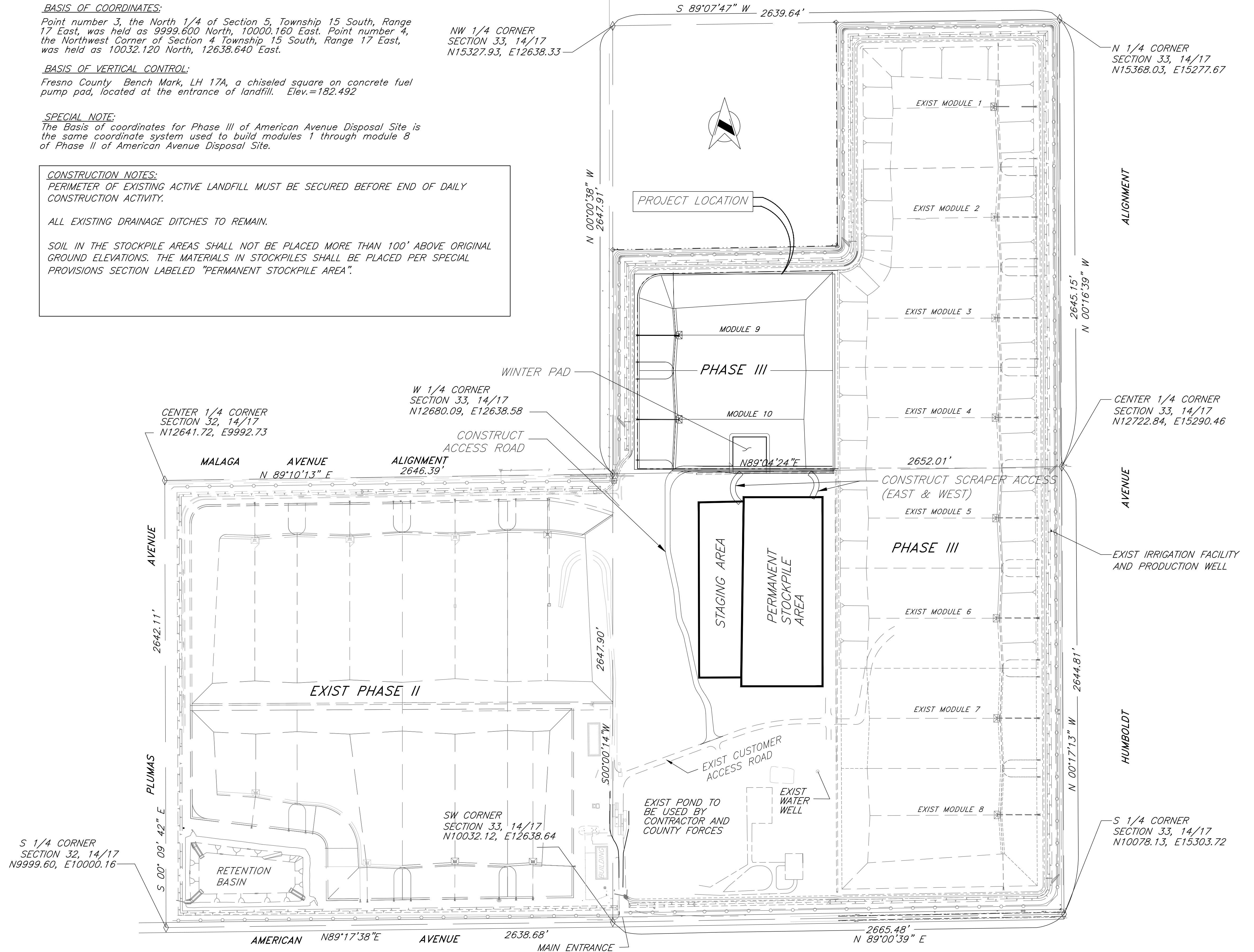
The Basis of coordinates for Phase III of American Avenue Disposal Site is the same coordinate system used to build modules 1 through module 8 of Phase II of American Avenue Disposal Site.

**CONSTRUCTION NOTES:**

PERIMETER OF EXISTING ACTIVE LANDFILL MUST BE SECURED BEFORE END OF DAILY CONSTRUCTION ACTIVITY.

ALL EXISTING DRAINAGE DITCHES TO REMAIN.

SOIL IN THE STOCKPILE AREAS SHALL NOT BE PLACED MORE THAN 100' ABOVE ORIGINAL GROUND ELEVATIONS. THE MATERIALS IN STOCKPILES SHALL BE PLACED PER SPECIAL PROVISIONS SECTION LABELED "PERMANENT STOCKPILE AREA".



|                                  |                     |
|----------------------------------|---------------------|
| DESIGNED <u>D. KWAN</u>          | DATE <u>04/2023</u> |
| DRAWN <u>D. KWAN, J. DONMYER</u> | DATE <u>04/2023</u> |
| CHECKED <u>S. ARTAL</u>          | DATE <u>12/2023</u> |

|          |  |
|----------|--|
| REVISION | FOR R/W DATA AND ACCURATE ACCESS DETERMINATION SEE R/W RECORDS AT PUBLIC WORKS |
|----------|--|

Scale in Feet

*[Signature]*  
SUPERVISING ENGINEER

DATE 01/08/2024

REGISTERED PROFESSIONAL ENGINEER  
SEBASTIAN T. AYALA  
No. C76724  
Exp. 12/31/24  
CIVIL  
STATE OF CALIFORNIA

PROJECT  
**AMERICAN AVENUE DISPOSAL SITE**  
PHASE III - MODULES 9 & 10

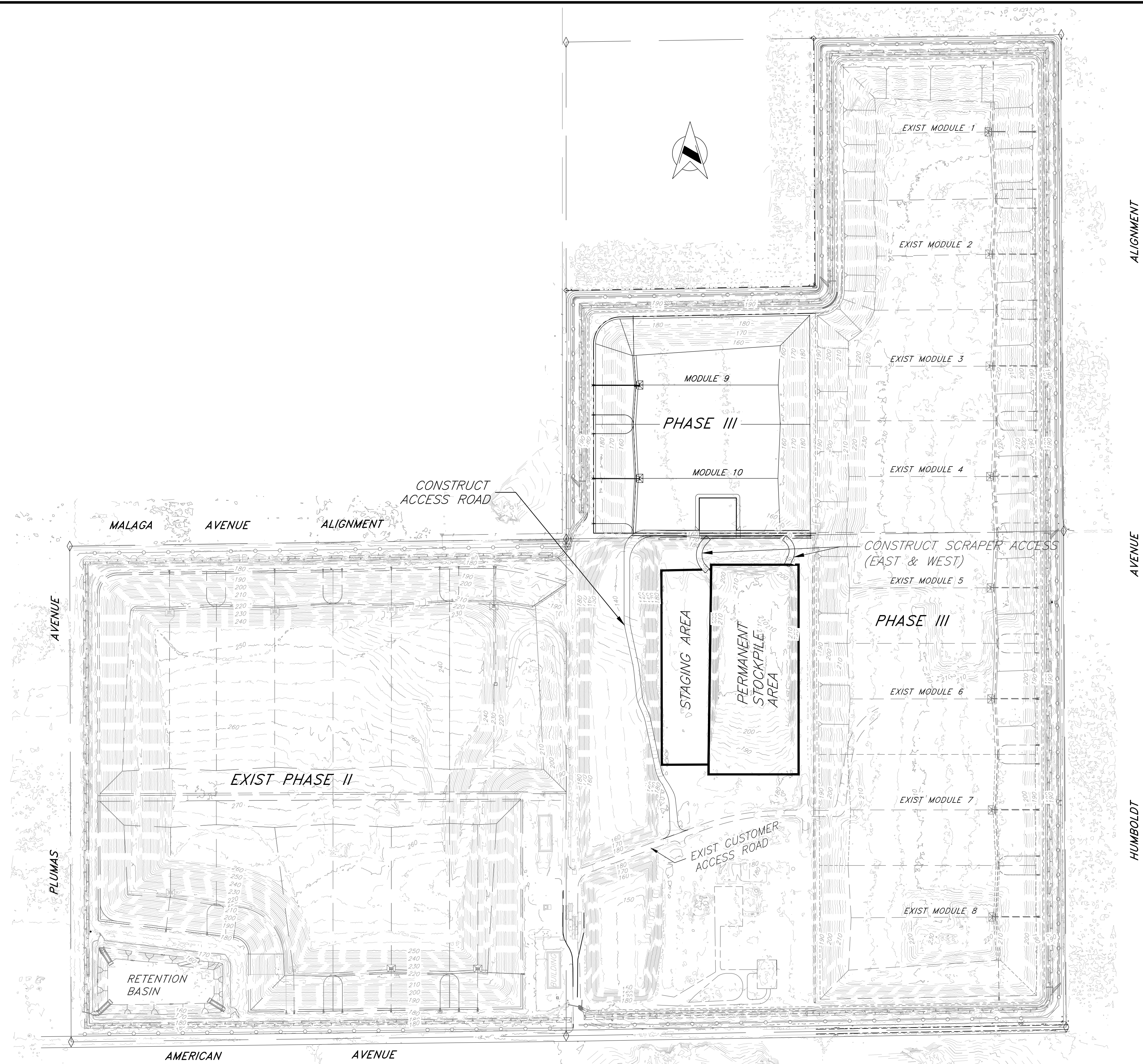
Road No. N/A Bridge No. N/A



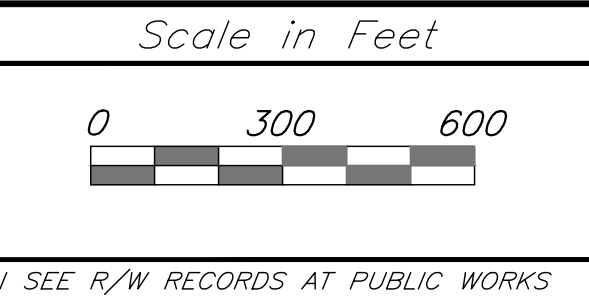
DEPARTMENT OF PUBLIC WORKS AND PLANNING

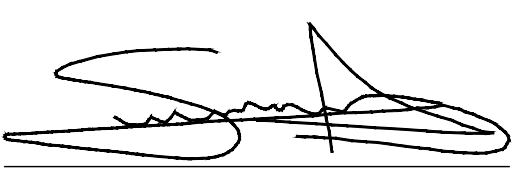
**SITE PLAN**

Drawing No. 11327 Sheet No. 3 Total 30



|                                  |                     |
|----------------------------------|---------------------|
| DESIGNED <u>D. KWAN</u>          | DATE <u>04/2023</u> |
| DRAWN <u>D. KWAN, J. DONMYER</u> | DATE <u>04/2023</u> |
| CHECKED <u>S. ARTAL</u>          | DATE <u>12/2023</u> |



  
 SUPERVISING ENGINEER  
 DATE 01/08/2024

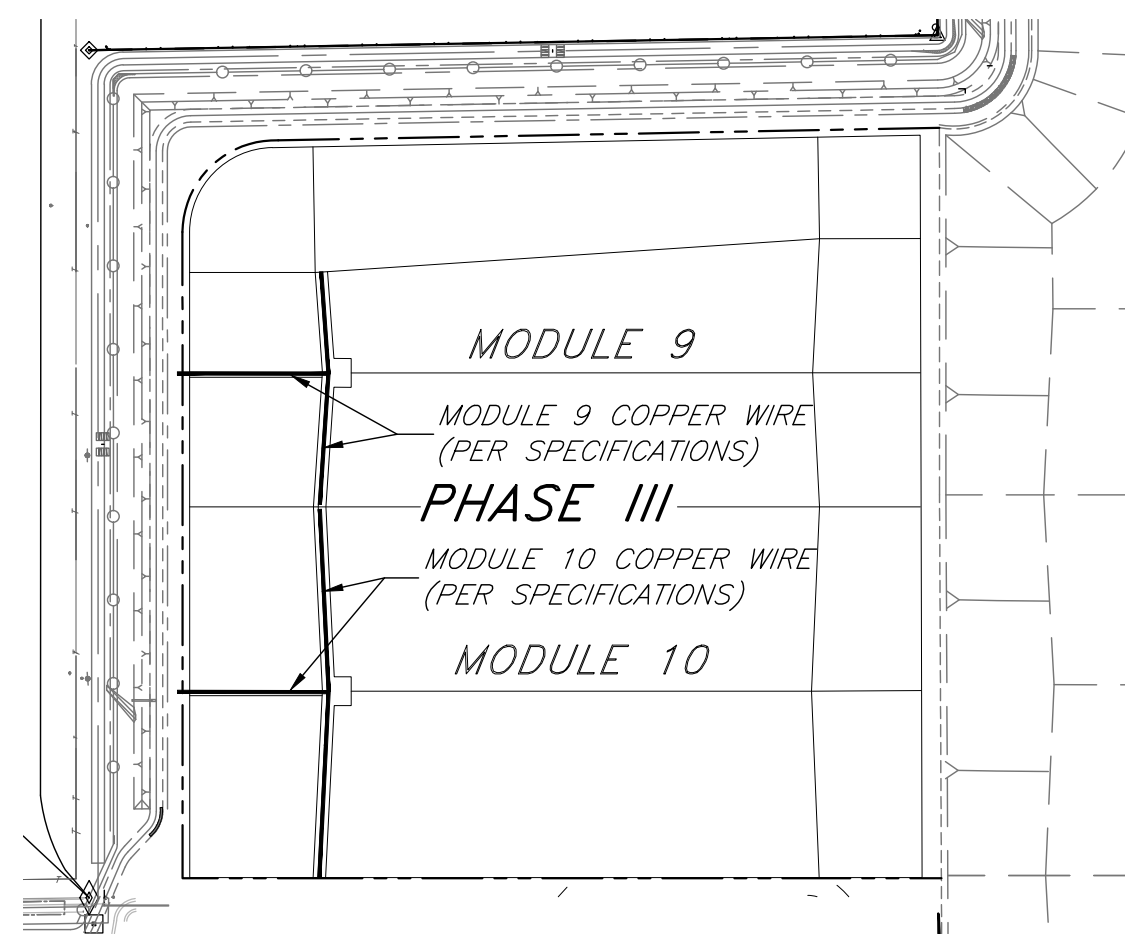


PROJECT  
**AMERICAN AVENUE DISPOSAL SITE**  
 PHASE III - MODULES 9 & 10  
 Road No. N/A Bridge No. N/A



DEPARTMENT OF PUBLIC WORKS AND PLANNING  
**EXISTING GROUND ELEVATIONS**  
 Drawing No. 11327 Sheet No. 3A Total 30

REVISION FOR R/W DATA AND ACCURATE ACCESS DETERMINATION SEE R/W RECORDS AT PUBLIC WORKS



**COPPER WIRE LOCATION FOR GEOELECTRIC LEAK LOCATION SURVEY @ MODULES 9-10**  
NTS

SEE SHEET 11 FOR LEACHATE CONNECTION DETAILS. CONTRACTOR TO FIELD LOCATE & VERIFY

INSTALL SUMP RISER AND LYSIMETER RISER WITH END CAPS, N:13498.93, E:12782.69  
EXIST 3"Ø HDPE ELEC. CONDUIT W/ PULL ROPES AND EXIST 3"Ø HDPE FORCE MAIN FOR LEACHATE

INSTALL CLEANOUT AND INSPECTION RISER WITH END CAP, N:13340.97, E:12777.72  
EXIST HEADER CLEANOUT

INSTALL CLEANOUT AND INSPECTION RISER WITH END CAP, N:13240.62, E:12777.74  
EXIST CONDENSATE TRAP CT-6

INSTALL 67 LF OF 10" PERFORATED HDPE PIPE AND 500 LF OF 10" NON-PERFORATED HDPE SEE DETAILS

INSTALL SUMP RISER AND LYSIMETER RISER WITH END CAPS, N:13001.56, E:12782.80  
EXIST DITCH PERIMETER

INSTALL CLEANOUT AND INSPECTION RISER WITH END CAP, N:12761.82, E:12777.84  
EXIST 18" LFG MAIN HEADER

EXIST 3"Ø HDPE ELEC. CONDUIT W/ PULL ROPES

EXIST 18" LFG MAIN HEADER

EXIST 3"Ø HDPE ELEC. CONDUIT W/ PULL ROPES

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EXIST CONDENSATE TRAP CT-7  
INSTALL CLEANOUT AND INSPECTION RISER WITH END CAP, N:13871.47, E:12995.55

EXIST HEADER CLEANOUT  
EXIST 18" LFG MAIN HEADER

N:13720.11, E:12795.65  
Elev.:186.5

MODULES 9 & 10 LINER SYSTEM WITH ANCHOR TRENCH

INSTALL 67 LF OF 10" PERFORATED HDPE PIPE AND 500 LF OF 10" NON-PERFORATED HDPE SEE DETAILS

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EXIST 3"Ø HDPE ELEC. CONDUIT W/ PULL ROPES

EXIST 18" LFG MAIN HEADER

EXIST 3"Ø HDPE ELEC. CONDUIT W/ PULL ROPES

EXIST HEADER CLEANOUT

INSTALL 218 LF OF 6" NON-PERFORATED HDPE PIPE - SEE DETAIL

INSTALL 738 LF OF 6" PERFORATED HDPE PIPE SEE DETAIL

INSTALL 500 LF OF 6" NON-PERFORATED HDPE PIPE - SEE DETAIL

INSTALL 1162 LF OF 6" PERFORATED HDPE PIPE SEE DETAIL

INSTALL 245 LF OF 6" NON-PERFORATED HDPE PIPE - SEE DETAIL

INSTALL CLEANOUT AND INSPECTION RISER WITH END CAP, N:12711.57, E:12988.69

EXIST DITCH PERIMETER

EXIST 18" LFG MAIN HEADER

EXIST 3"Ø HDPE ELEC. CONDUIT W/ PULL ROPES

EXIST 18" LFG MAIN HEADER

EXIST 3"Ø HDPE ELEC. CONDUIT W/ PULL ROPES

EXIST 18" LFG MAIN HEADER

EXIST 3"Ø HDPE ELEC. CONDUIT W/ PULL ROPES

EXIST 18" LFG MAIN HEADER

EXIST 3"Ø HDPE ELEC. CONDUIT W/ PULL ROPES

EXIST 18" LFG MAIN HEADER

EXIST 3"Ø HDPE ELEC. CONDUIT W/ PULL ROPES

EXIST 18" LFG MAIN HEADER

EXIST 3"Ø HDPE ELEC. CONDUIT W/ PULL ROPES

EXIST 18" LFG MAIN HEADER

EXIST 3"Ø HDPE ELEC. CONDUIT W/ PULL ROPES

EXIST 18" LFG MAIN HEADER

EXIST 3"Ø HDPE ELEC. CONDUIT W/ PULL ROPES

EXIST 18" LFG MAIN HEADER

EXIST 3"Ø HDPE ELEC. CONDUIT W/ PULL ROPES

EXIST 18" LFG MAIN HEADER

EXIST 3"Ø HDPE ELEC. CONDUIT W/ PULL ROPES

MODULE 9

MODULE 10

EXIST 18" MAIN HEADER

N:13883.02, E:13967.24  
(EXIST MODULE 3 LINER SYSTEM)  
N:13871.54, E:13977.24  
(EXIST HP OF MODULE 3)

N:13871.54, E:13937.27  
Elev.:186.5

N:13709.85, E:13779.92  
Elev.:155.0

LIMIT OF EXIST MODULES 3 & 4 LINER SYSTEM

N:13500.32, E:13769.21  
Elev.:152.9

N:13290.79, E:13780.01  
Elev.:155.0

N:13309.39, E:13967.39  
(EXIST MODULES 3 & 4 LINER SYSTEM)

N:13309.40, E:13977.39  
(EXIST HP OF MODULES 3 & 4)

N:13290.79, E:13937.50  
Elev.:186.5

N:13002.80, E:13767.41  
Elev.:152.2

N:12714.73, E:13970.28  
(EXIST MODULE 4 LINER SYSTEM)

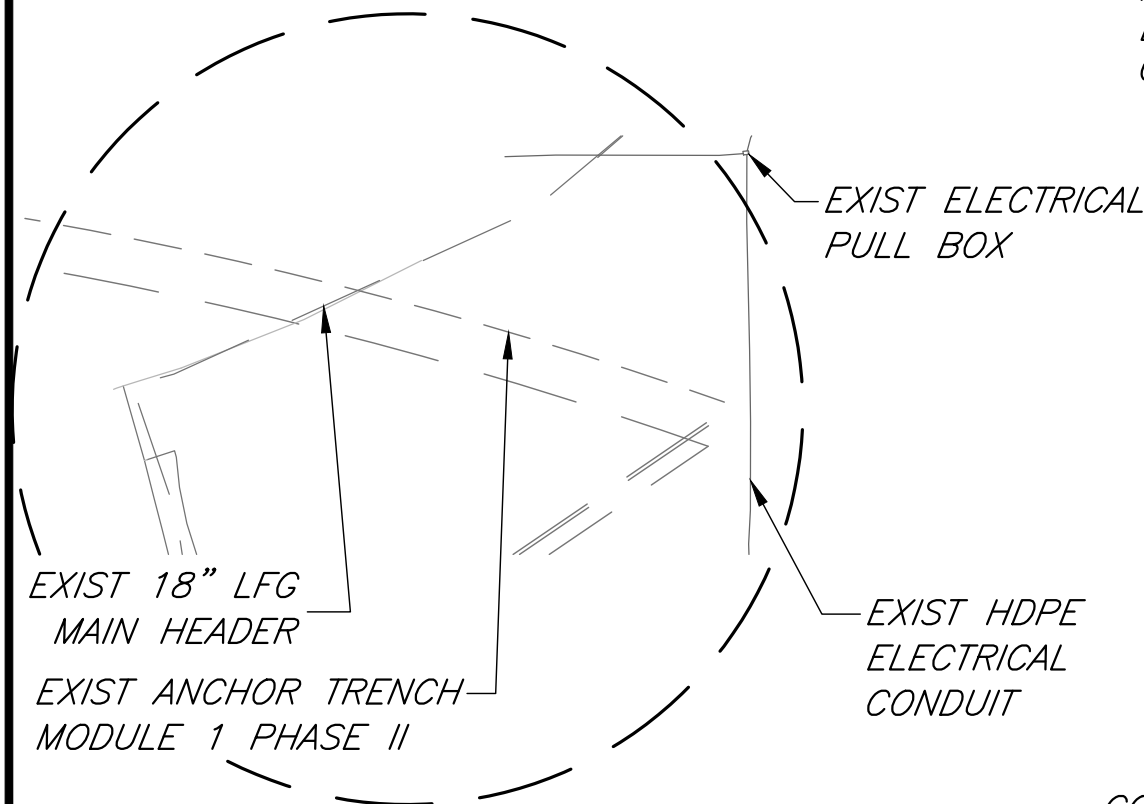
N:12714.78, E:13980.29  
(EXIST HP OF MODULE 4)

N:12711.55, E:13940.31  
Elev.:186.5

N:12711.57, E:13779.48  
Elev.:155.1

MODULE 10 EXCAVATION DAYLIGHT LIMIT

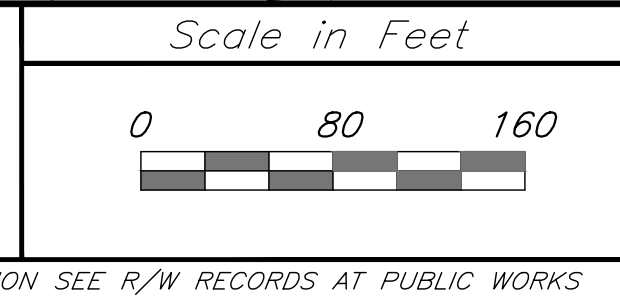
NOTE:  
SEE SHEETS 14 TO 19 FOR ACCESS ROAD AND WINTER PAD.



**EXIST FACILITY OF MODULE 1, PHASE II**  
1" = 80'

4  
1

|                           |  |
|---------------------------|--|
| DESIGNED D. KWAN          | DATE 04/2023   |
| DRAWN D. KWAN, J. DONMYER | DATE 04/2023   |
| CHECKED S. ARTAL          | DATE 12/2023   |
| REVISION                  | FOR R/W DATA AND ACCURATE ACCESS DETERMINATION SEE R/W RECORDS AT PUBLIC WORKS |



SUPERVISING ENGINEER

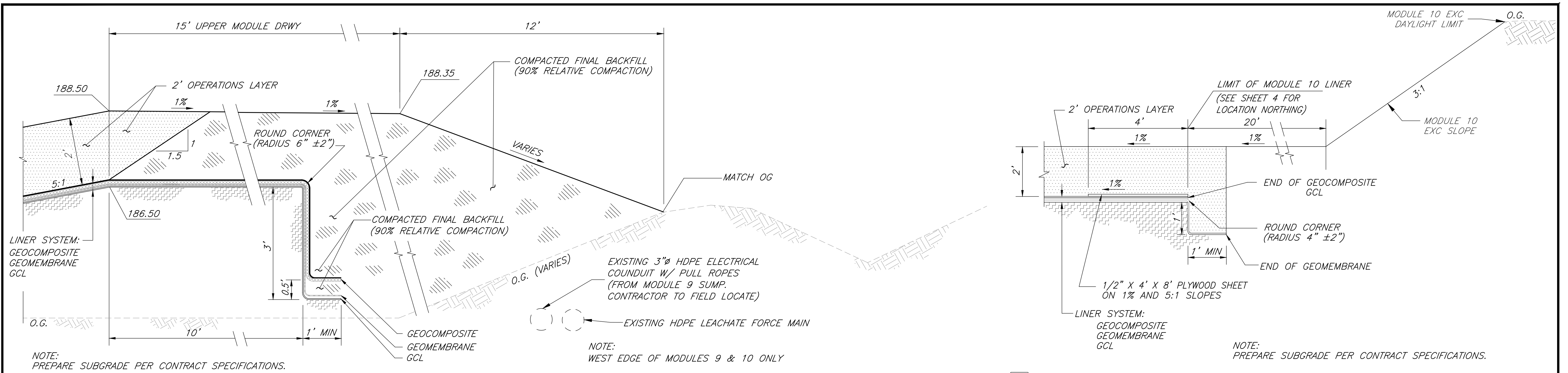
01/08/2024  
DATE



PROJECT  
**AMERICAN AVENUE DISPOSAL SITE**  
PHASE III - MODULES 9 & 10  
Road No. N/A Bridge No. N/A

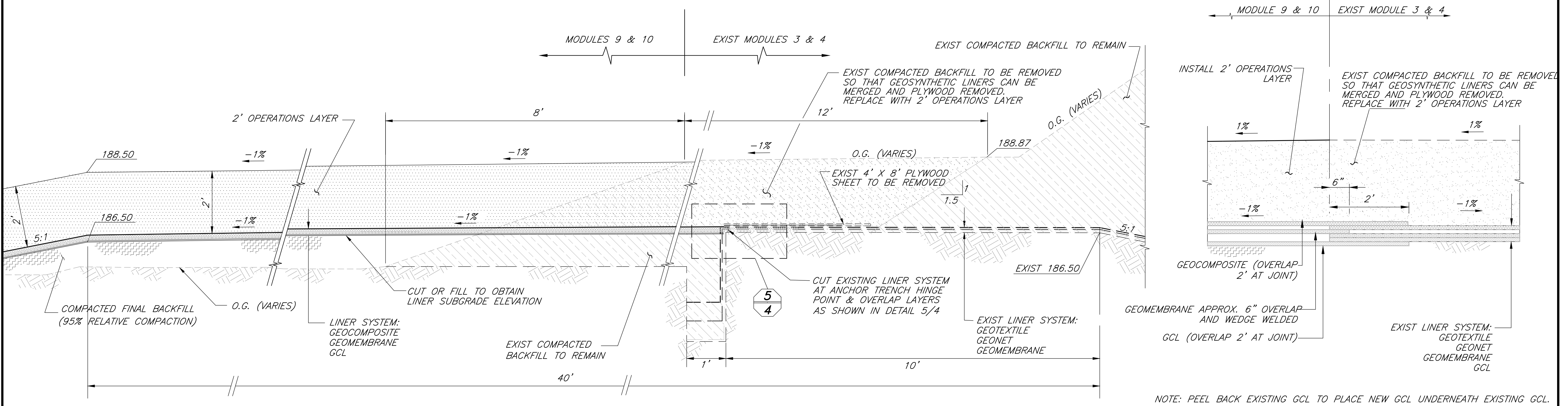


DEPARTMENT OF PUBLIC WORKS AND PLANNING  
**MODULES 9 & 10**  
LAYOUT & GRADING  
Drawing No. 11327 Sheet No. 4 Total 30



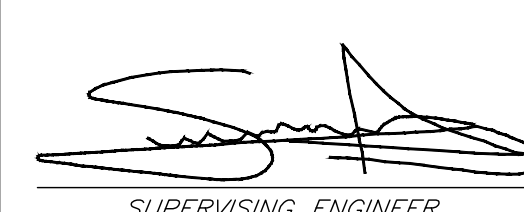
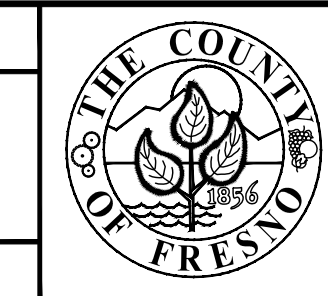
**5**  
**1** LINER SYSTEM WEST EDGES OF MODULES 9 & 10, AND NORTH EDGE OF MODULE 9  
NOT TO SCALE

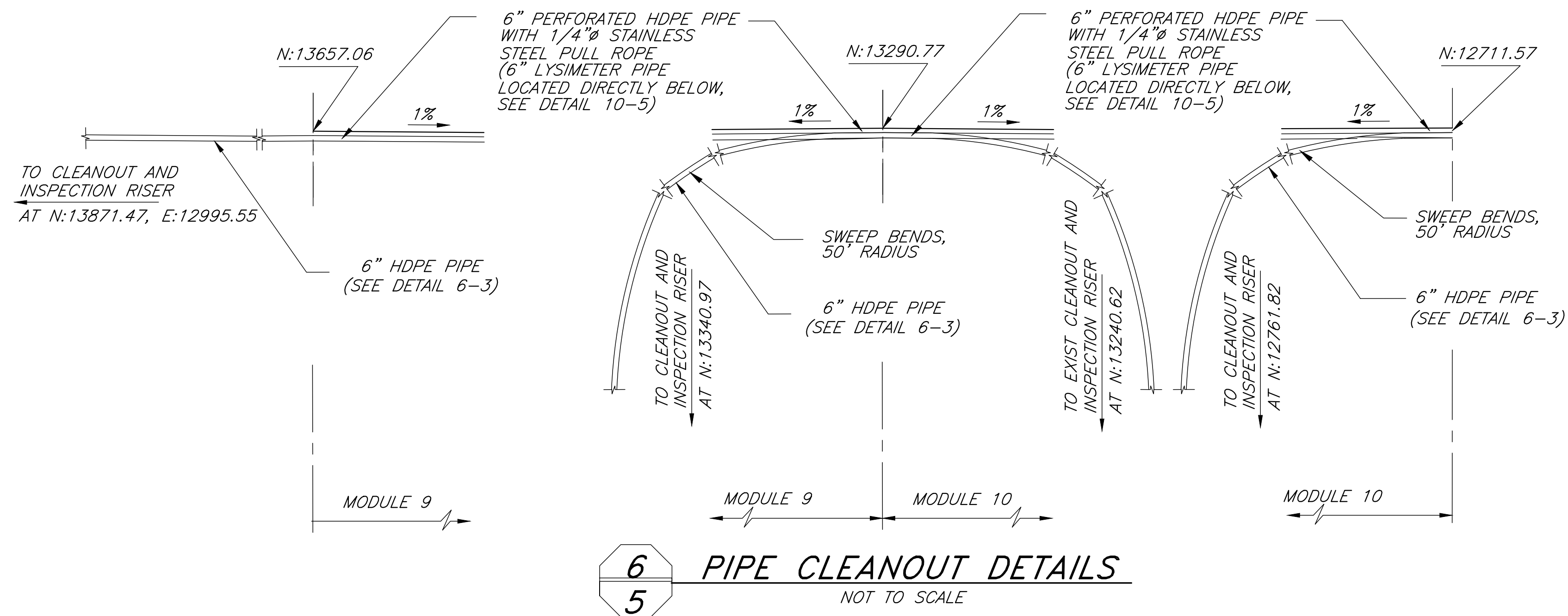
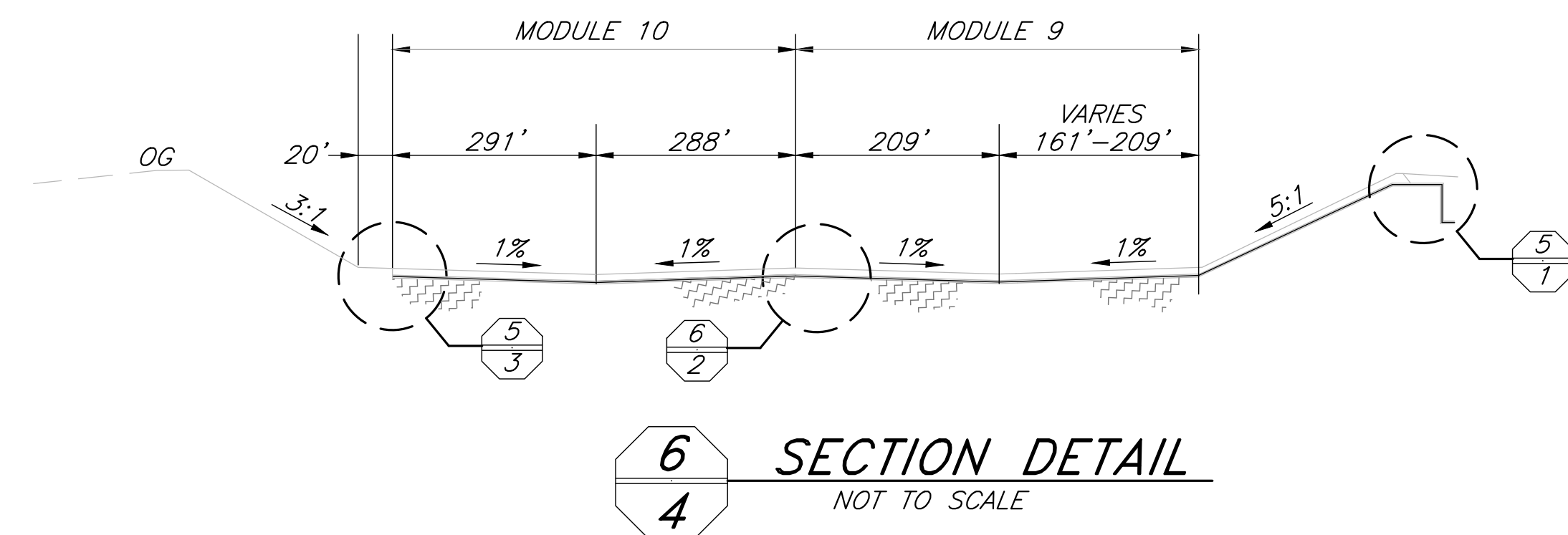
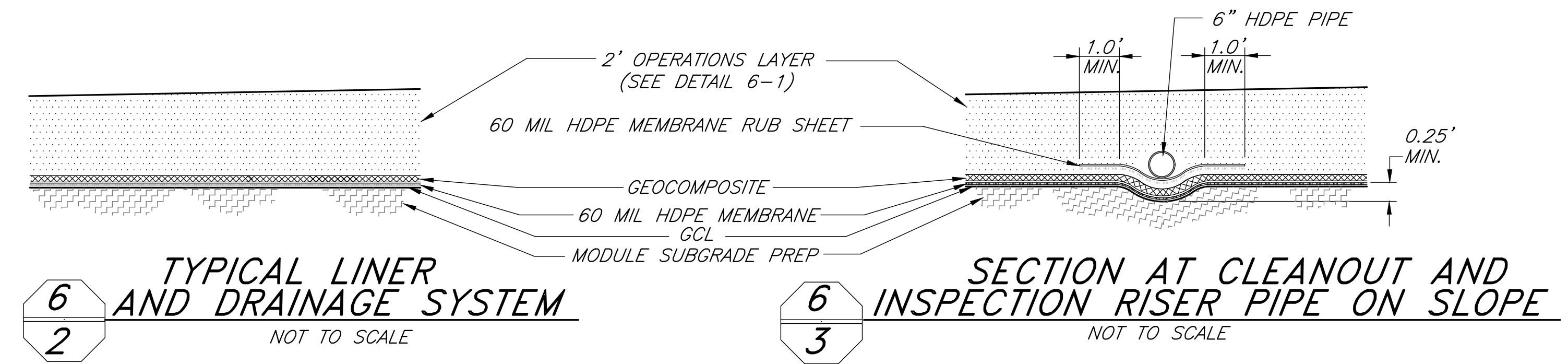
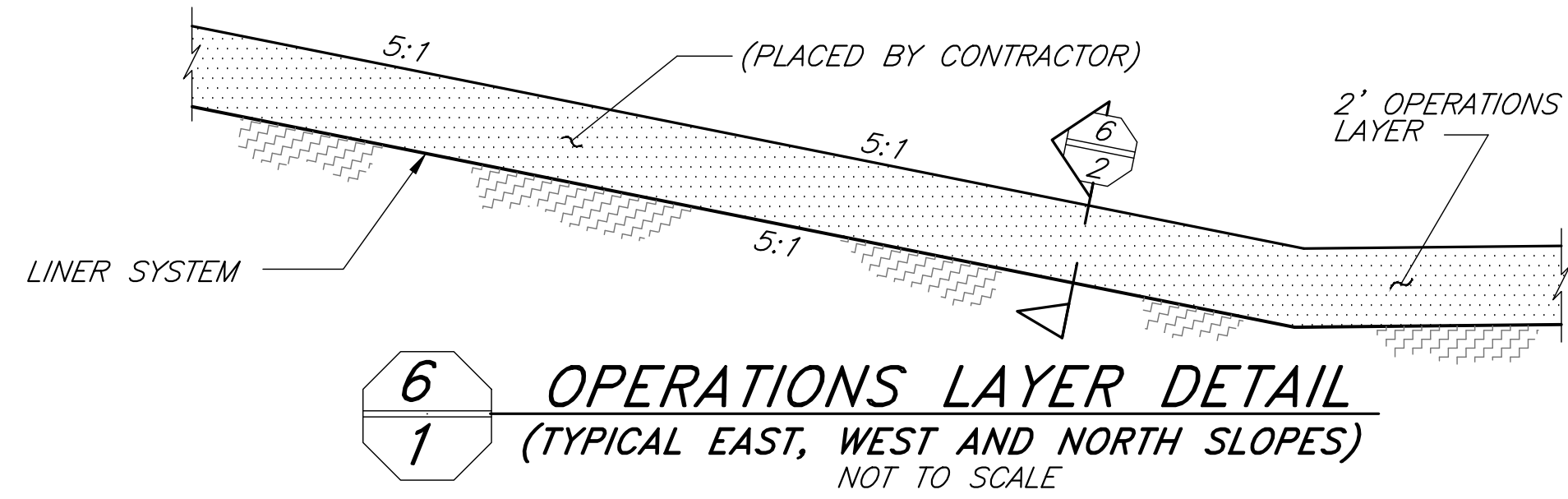
**5**  
**3** LINER SYSTEM SOUTH EDGE OF MODULE 10  
NOT TO SCALE



**5**  
**2** LINING SYSTEM JOINT - EAST EDGE OF MODULES 9 AND 10  
NOT TO SCALE

**5**  
**4** LINING SYSTEM JOINT  
LINER SYSTEM EAST EDGE OF MODULE 9 & 10  
NOT TO SCALE

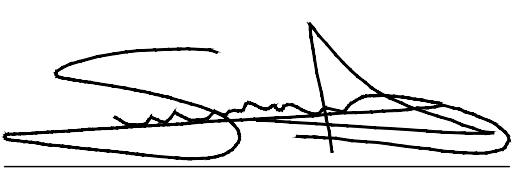
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|--|-------------------------------------|---|--|---|
| DESIGNED <u>D. KWAN</u> DATE <u>04/2023</u><br>DRAWN <u>D. KWAN, J. DONMYER</u> DATE <u>04/2023</u><br>CHECKED <u>S. ARTAL</u> DATE <u>12/2023</u> | Scale in Feet<br><br>SCALE AS SHOWN | <br>SUPERVISING ENGINEER<br>DATE <u>01/08/2024</u> | PROJECT<br><b>AMERICAN AVENUE DISPOSAL SITE</b><br>PHASE III - MODULES 9 & 10<br>Road No. <u>N/A</u> Bridge No. <u>N/A</u> | <br>DEPARTMENT OF PUBLIC WORKS AND PLANNING<br><b>LINER CONSTRUCTION DETAILS</b><br>Drawing No. 11327 Sheet No. 5 Total 30 |
|--|-------------------------------------|---|--|---|



NOTE:  
BOOT PIPE THROUGH GEOCOMPOSITE AT TOP OF LEACHATE COLLECTION TRENCH.

|                                  |                     |
|----------------------------------|---------------------|
| DESIGNED <u>D. KWAN</u>          | DATE <u>04/2023</u> |
| DRAWN <u>D. KWAN, J. DONMYER</u> | DATE <u>04/2023</u> |
| CHECKED <u>S. ARTAL</u>          | DATE <u>12/2023</u> |

|               |  |
|---------------|--|
| Scale in Feet | NONE   |
| REVISION      | FOR R/W DATA AND ACCURATE ACCESS DETERMINATION SEE R/W RECORDS AT PUBLIC WORKS |

  
SUPERVISING ENGINEER

DATE 01/08/2024

REGISTERED PROFESSIONAL ENGINEER  
SEBASTIAN T. ANTON  
No. C76724  
Exp. 12/31/24  
CIVIL  
STATE OF CALIFORNIA

PROJECT  
**AMERICAN AVENUE DISPOSAL SITE**  
PHASE III - MODULES 9 & 10

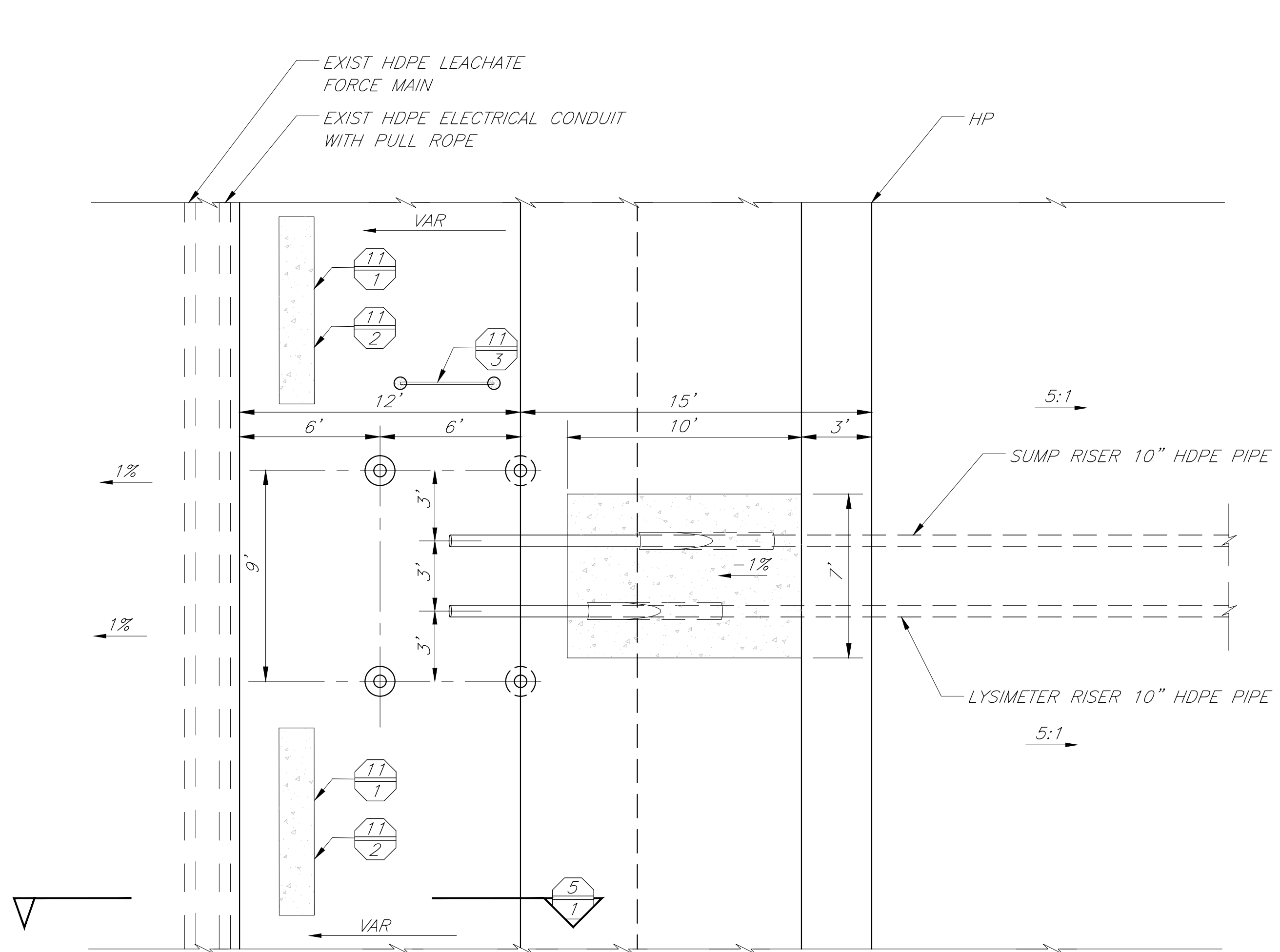
Road No. N/A Bridge No. N/A



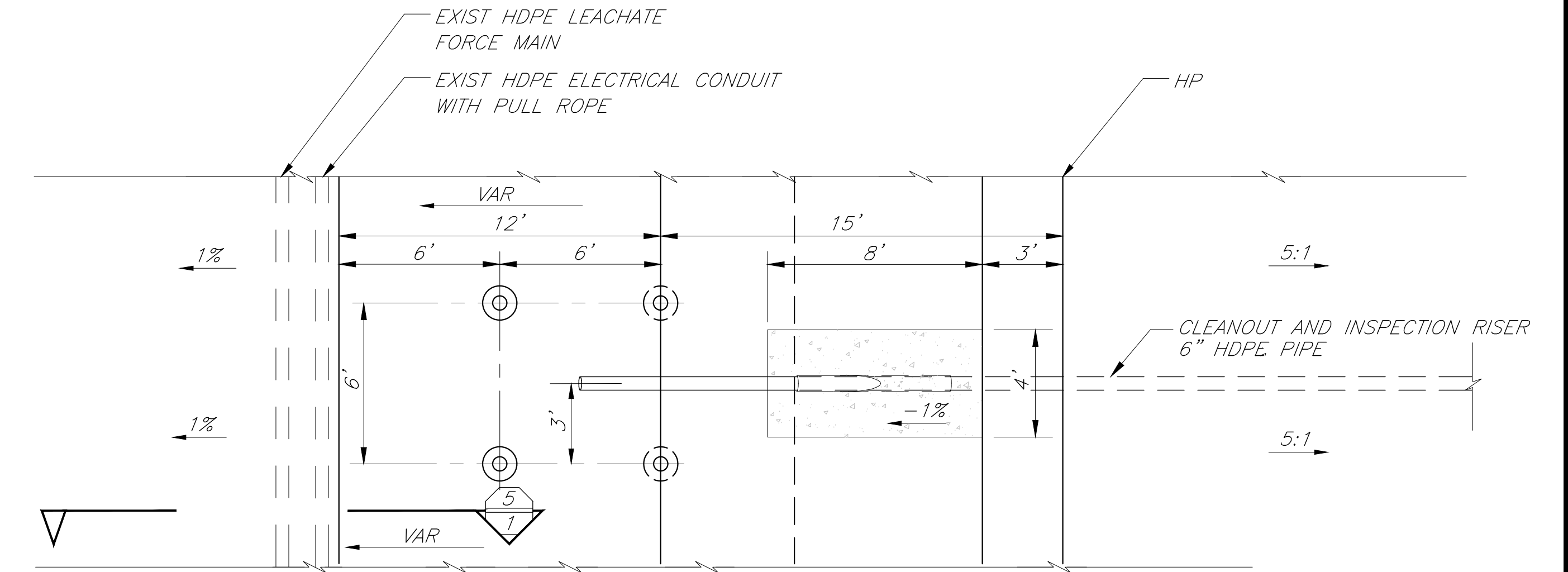
DEPARTMENT OF PUBLIC WORKS AND PLANNING

**LINER AND PIPE CLEANOUT CONSTRUCTION DETAILS**

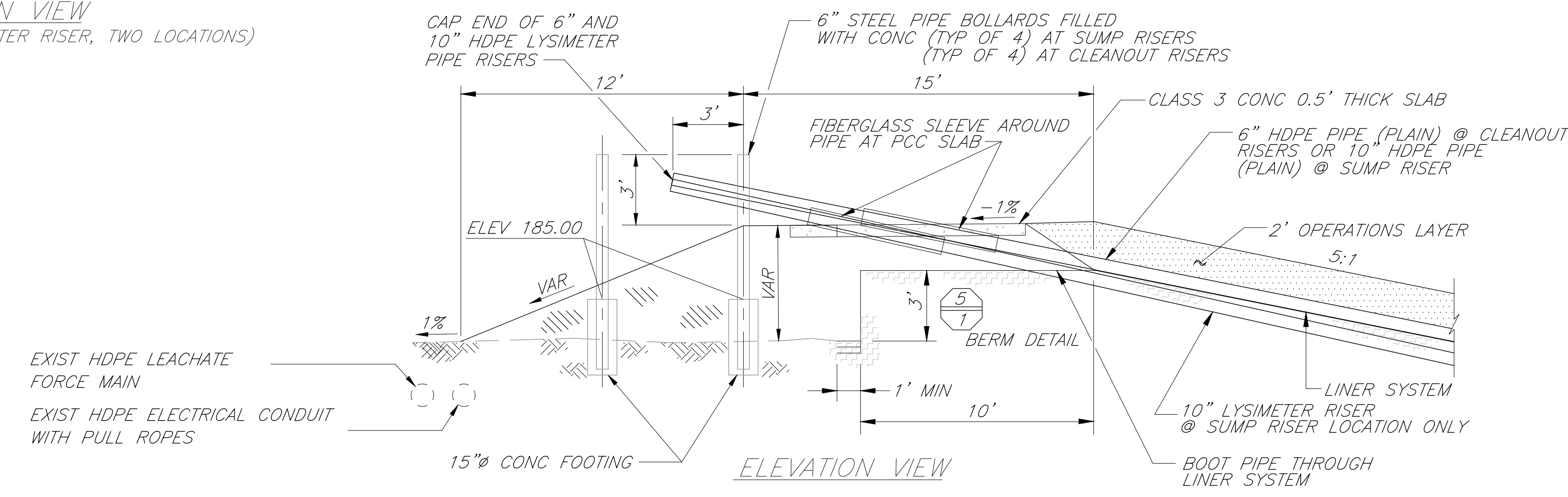
Drawing No. 11327 Sheet No. 6 Total 30



PLAN VIEW  
(SUMP AND LYSIMETER RISER, TWO LOCATIONS)

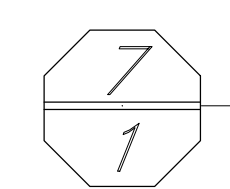


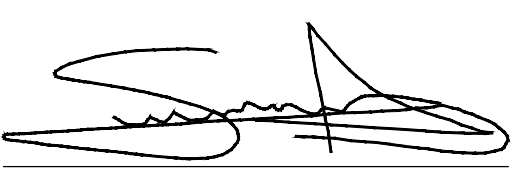


PLAN VIEW  
(CLEANOUT AND INSPECTION RISER, FOUR LOCATIONS)



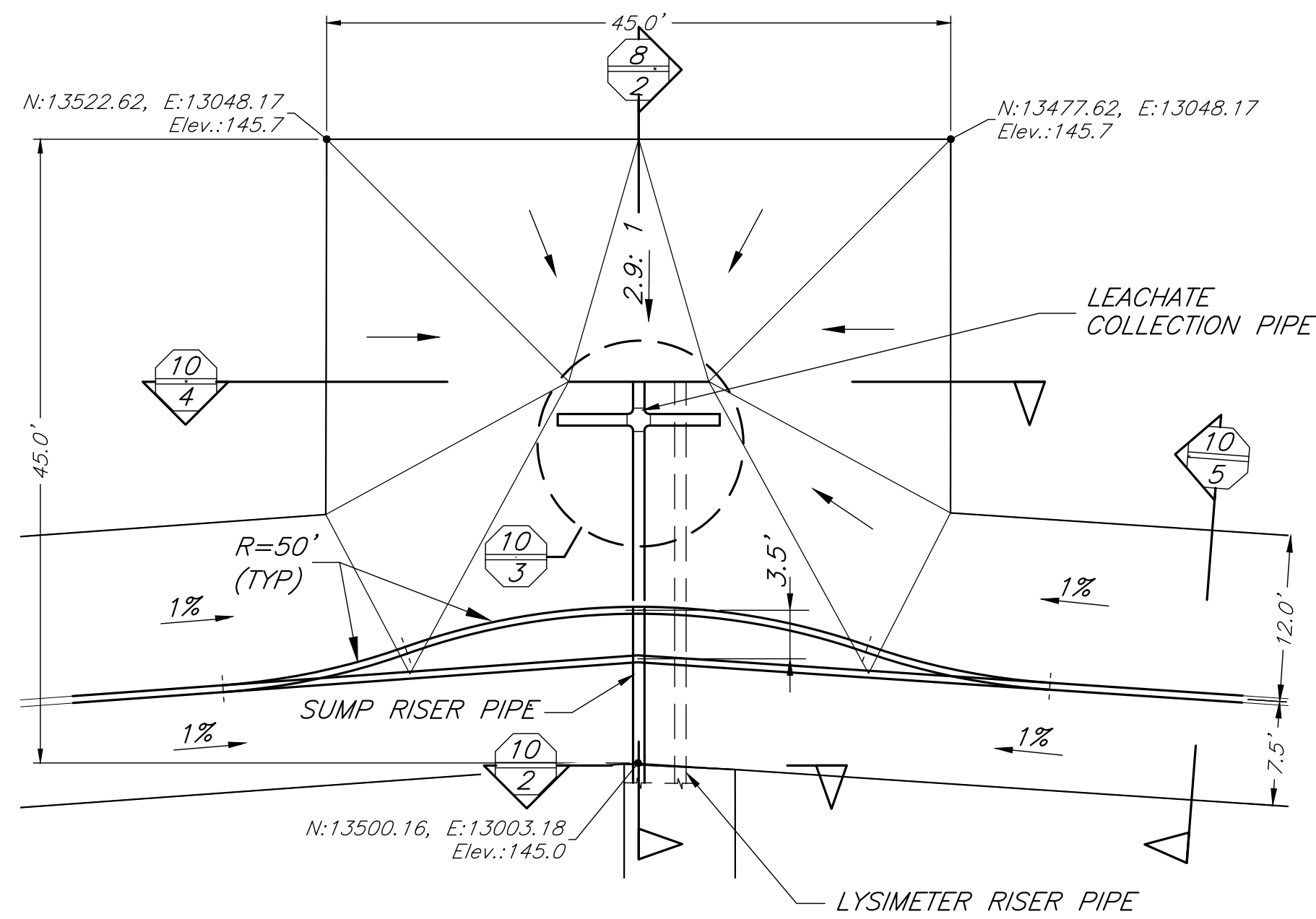
ELEVATION VIEW

STEEL PIPE BOLLARDS AND PIPE RISER AT SUMP RISER OR CLEANOUT AND INSPECTION RISER LOCATIONS  
NOT TO SCALE

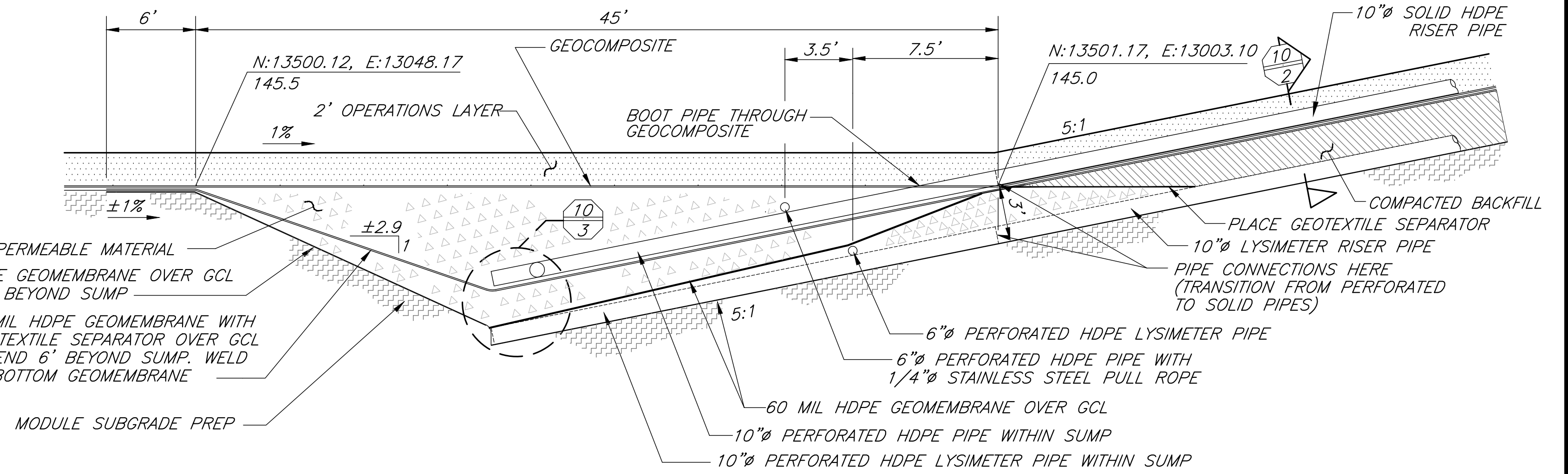
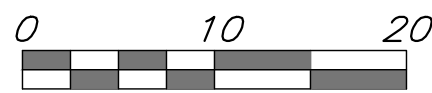


|  |  |   |  |   |   |   |
|--|--|---|--|---|---|---|
| DESIGNED <u>D. KWAN</u> DATE <u>04/2023</u>          | Scale in Feet  | <br>SUPERVISING ENGINEER<br>DATE <u>01/08/2024</u> | <br>No. C76724<br>Exp. 12/31/24<br>CIVIL<br>STATE OF CALIFORNIA | PROJECT                                   |  | DEPARTMENT OF PUBLIC WORKS AND PLANNING           |
| DRAWN <u>D. KWAN, J. DONMYER</u> DATE <u>04/2023</u> | NONE   |   |  | AMERICAN AVENUE DISPOSAL SITE             |   | PIPE CLEANOUT AND SUMP RISER CONSTRUCTION DETAILS |
| CHECKED <u>S. ARTAL</u> DATE <u>12/2023</u>          |  |   |  | PHASE III - MODULES 9 & 10                |   |   |
| REVISION   | FOR R/W DATA AND ACCURATE ACCESS DETERMINATION SEE R/W RECORDS AT PUBLIC WORKS |   |  | Road No. <u>N/A</u> Bridge No. <u>N/A</u> | Drawing No. 11327   | Sheet No. 7 Total 30                              |

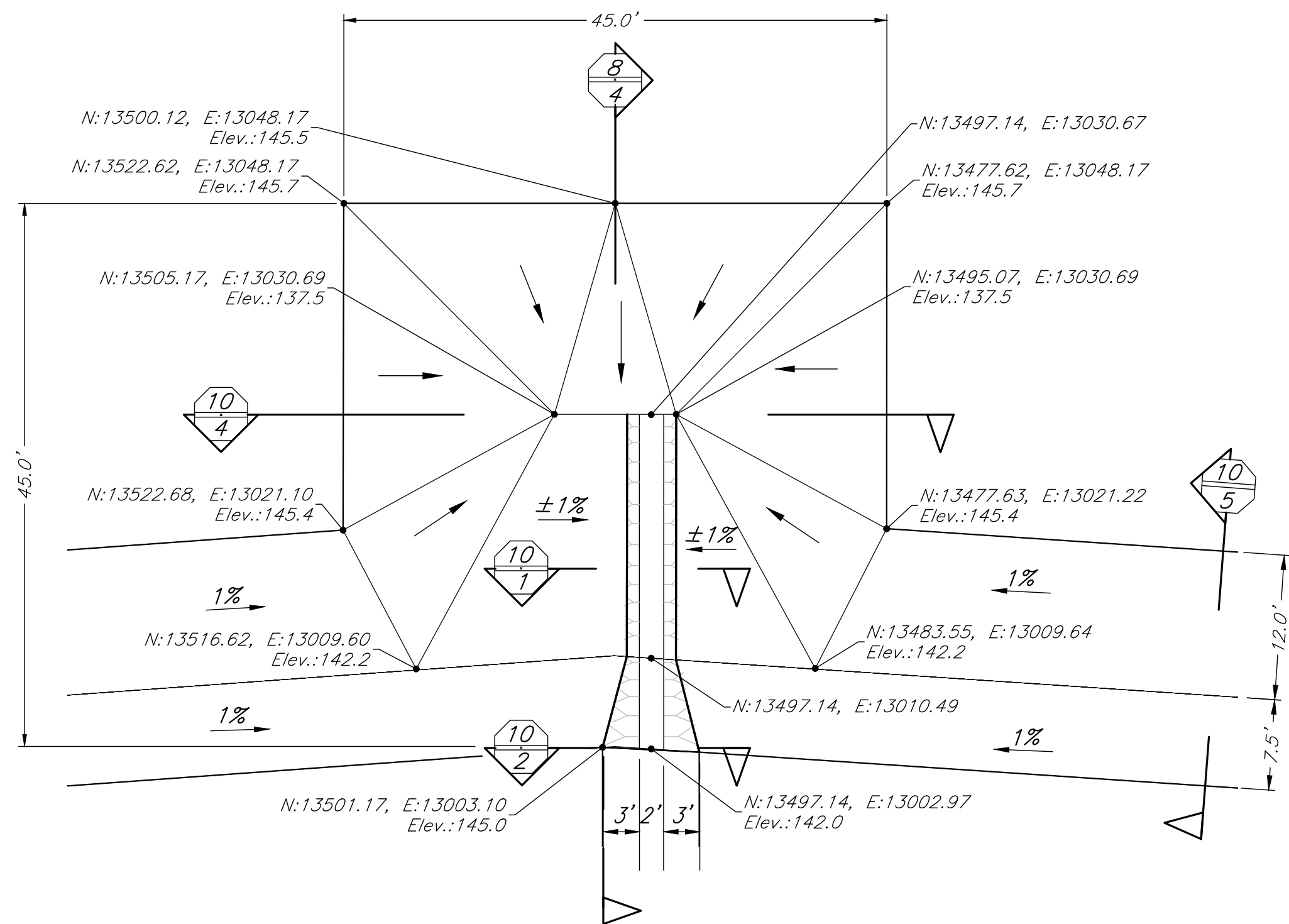




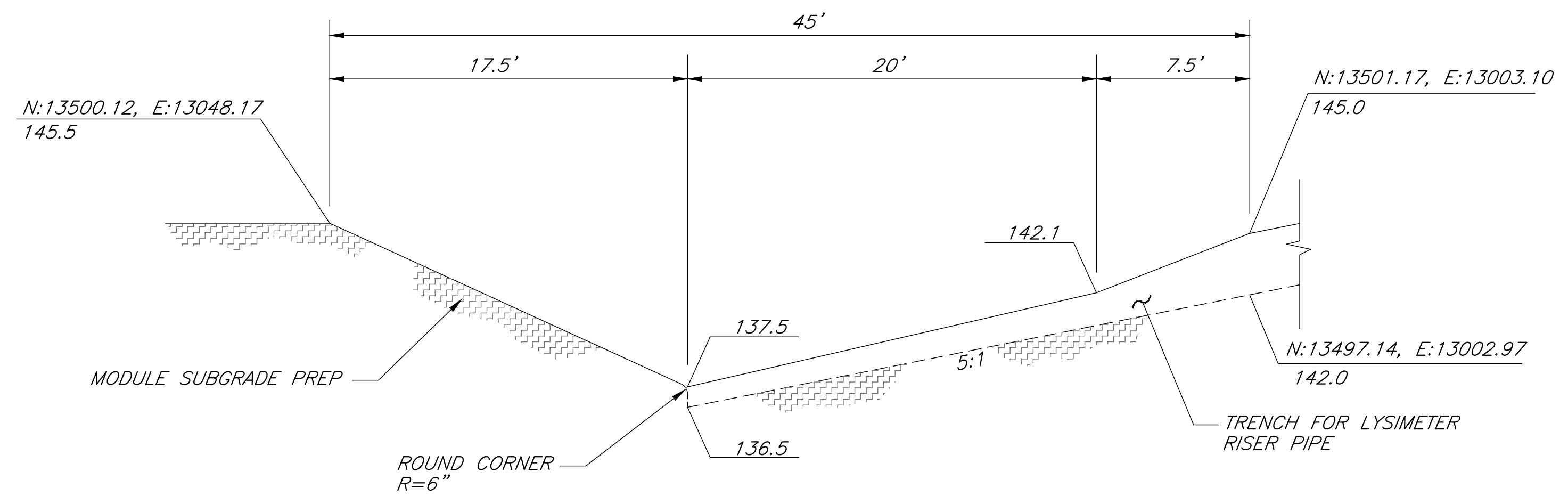
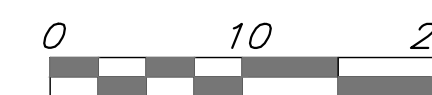
**8**  
**1** **SUMP LINER SYSTEM AND RISER PIPES**



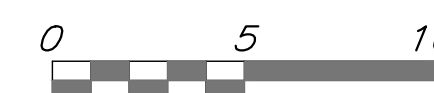
**8**  
**2** **LEACHATE COLLECTION AND PAN LYSIMETER SUMP**



**8**  
**3** **SUMP GRADING - PLAN VIEW**  
**(RISER PIPES AND LINER SYSTEM NOT DEPICTED)**




**8**  
**4** **SUMP GRADING**  
**(RISER PIPES AND LINER SYSTEM NOT DEPICTED)**



DESIGNED D. KWAN DATE 04/2023  
DRAWN D. KWAN, J. DONMYER DATE 04/2023  
CHECKED S. ARTAL DATE 12/2023

Scale in Feet

SCALE AS SHOWN

  
SUPERVISING ENGINEER

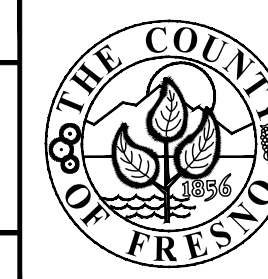
01/08/2024  
DATE

REGISTERED PROFESSIONAL ENGINEER  
SEBASTIAN T. ARYA  
No. C76724  
Exp. 12/31/24  
CIVIL  
STATE OF CALIFORNIA

PROJECT

AMERICAN AVENUE DISPOSAL SITE  
PHASE III - MODULES 9 & 10

Road No. N/A Bridge No. N/A



DEPARTMENT OF PUBLIC WORKS AND PLANNING

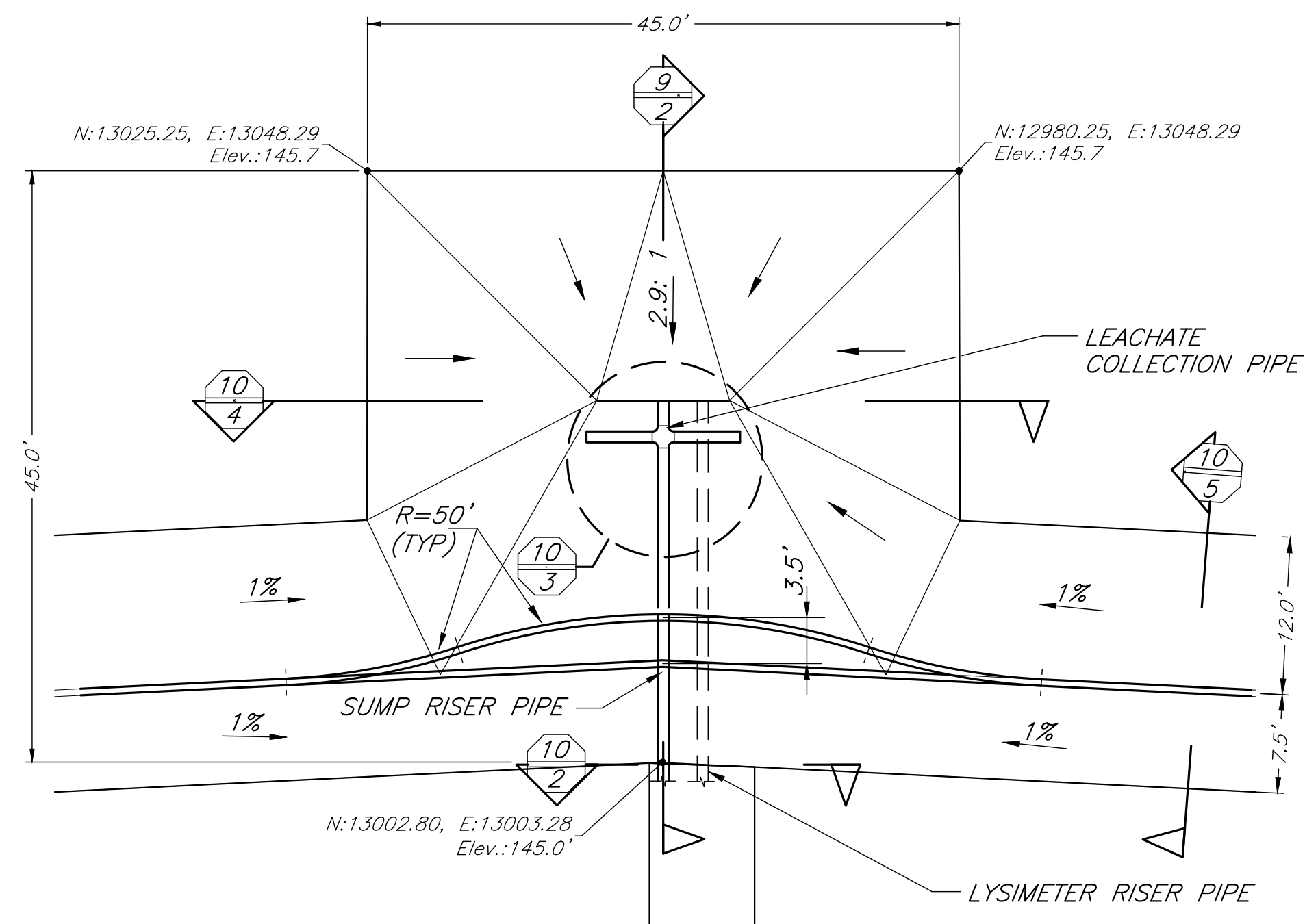
MODULE 9 SUMP EXCAVATION AND  
LINER CONSTRUCTION DETAILS

Drawing No. 11327

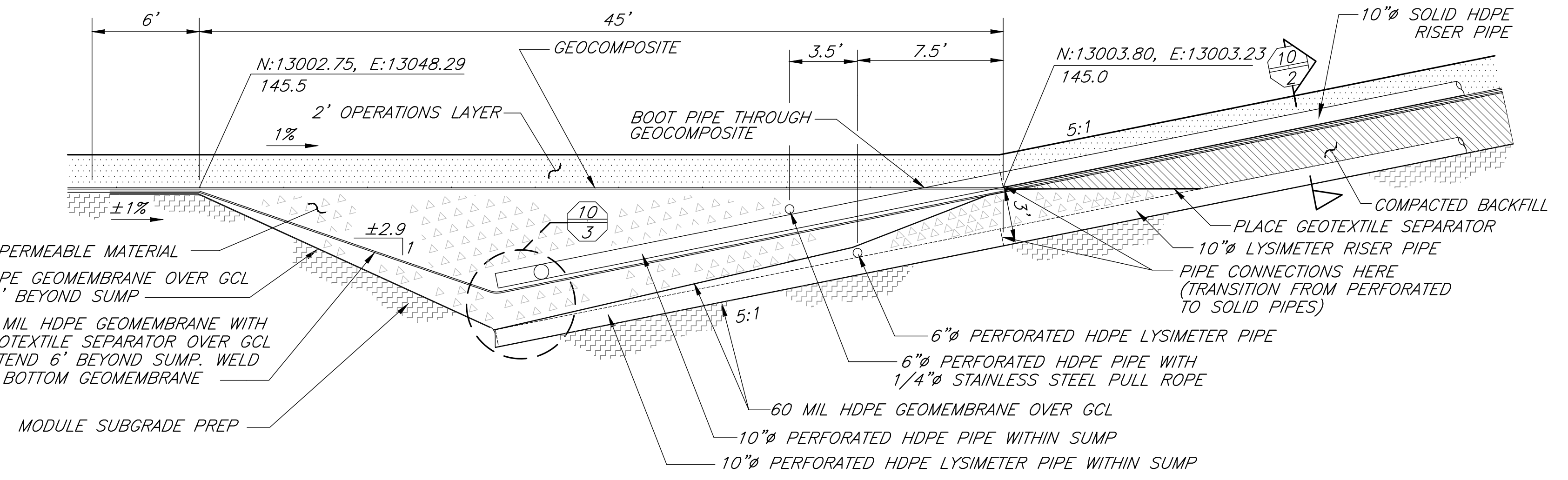
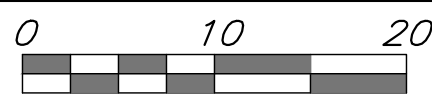
Sheet No. 8

Total 30

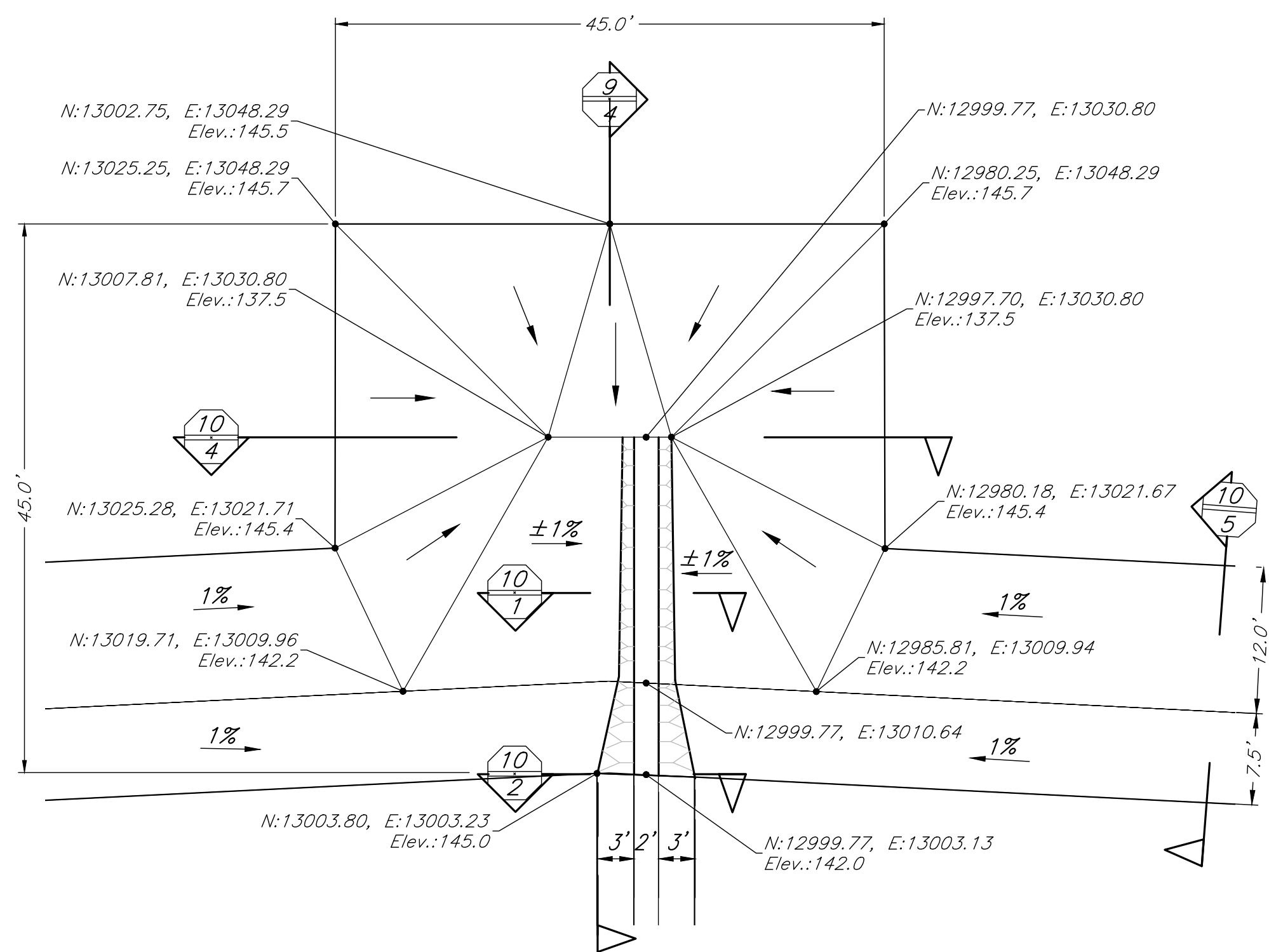
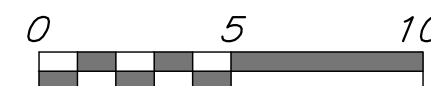
REVISION FOR R/W DATA AND ACCURATE ACCESS DETERMINATION SEE R/W RECORDS AT PUBLIC WORKS



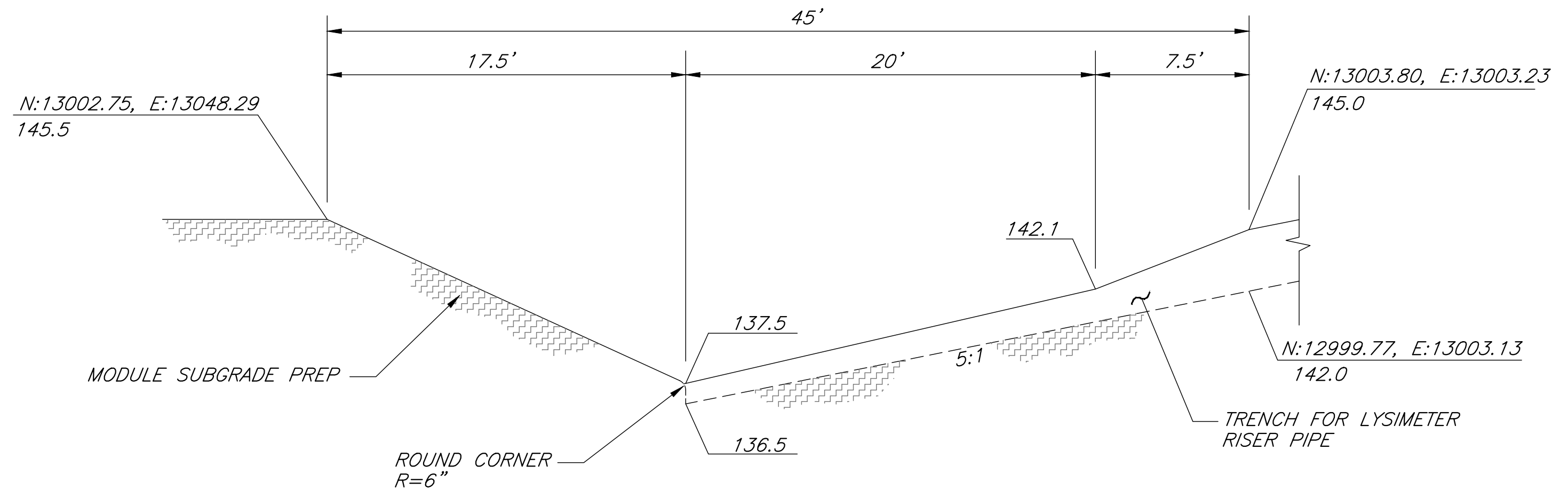
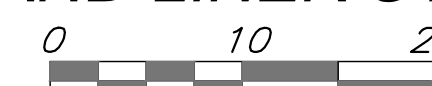
**9**  
**1** **SUMP LINER SYSTEM AND RISER PIPES**



**9**  
**2** **LEACHATE COLLECTION AND PAN LYSIMETER SUMP**



**9**  
**3** **SUMP GRADING - PLAN VIEW**  
**(RISER PIPES AND LINER SYSTEM NOT DEPICTED)**



**9**  
**4** **SUMP GRADING**  
**(RISER PIPES AND LINER SYSTEM NOT DEPICTED)**



|                                  |                     |
|----------------------------------|---------------------|
| DESIGNED <u>D. KWAN</u>          | DATE <u>04/2023</u> |
| DRAWN <u>D. KWAN, J. DONMYER</u> | DATE <u>04/2023</u> |
| CHECKED <u>S. ARTAL</u>          | DATE <u>12/2023</u> |

|          |  |
|----------|--|
| REVISION | FOR R/W DATA AND ACCURATE ACCESS DETERMINATION SEE R/W RECORDS AT PUBLIC WORKS |
|----------|--|

|               |                |
|---------------|----------------|
| Scale in Feet | SCALE AS SHOWN |
|---------------|----------------|

*[Signature]*  
SUPERVISING ENGINEER

DATE 01/08/2024

REGISTERED PROFESSIONAL ENGINEER  
SEBASTIAN T. ARAY  
No. C76724  
Exp. 12/31/24  
CIVIL  
STATE OF CALIFORNIA

PROJECT  
**AMERICAN AVENUE DISPOSAL SITE**  
PHASE III - MODULES 9 & 10

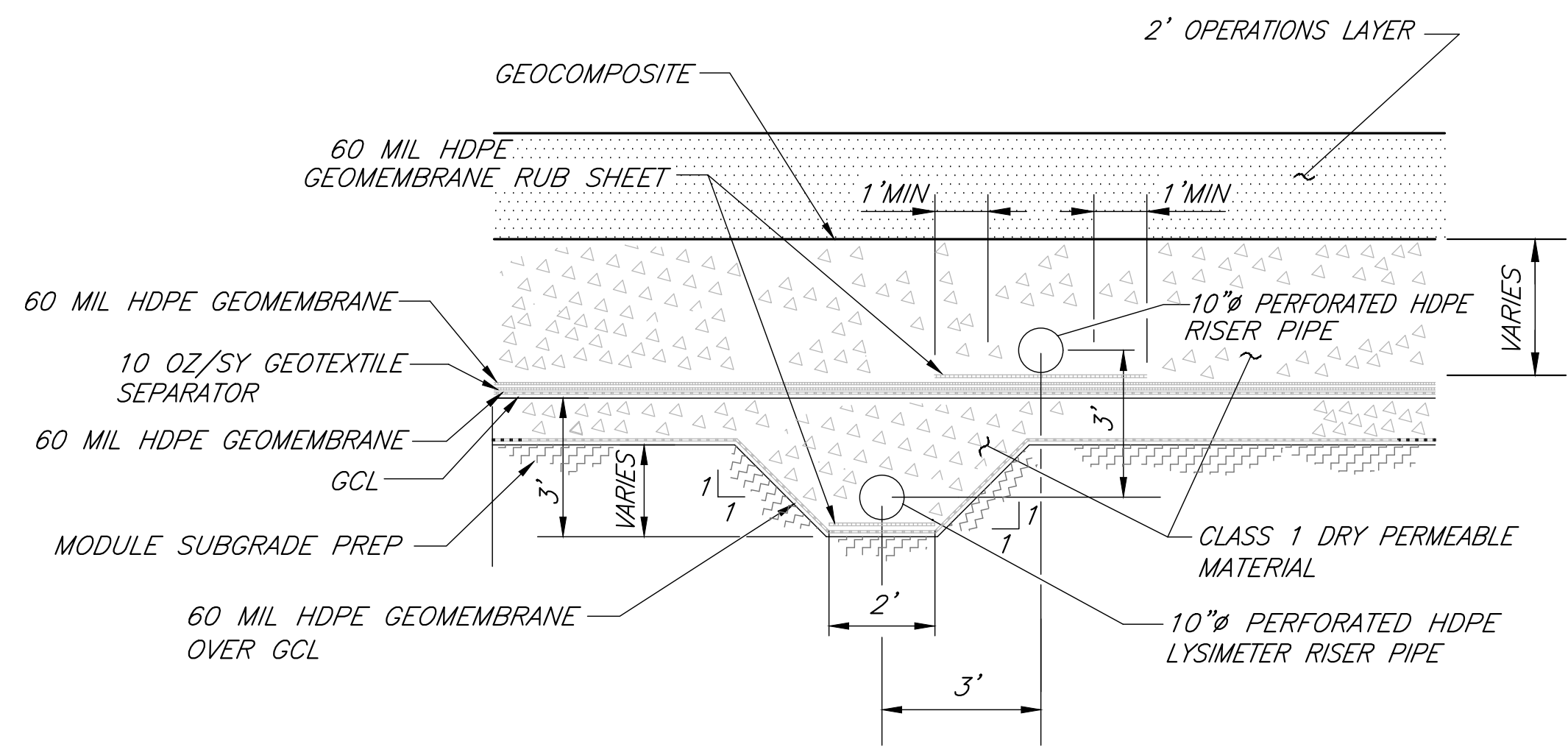
Road No. N/A Bridge No. N/A



DEPARTMENT OF PUBLIC WORKS AND PLANNING

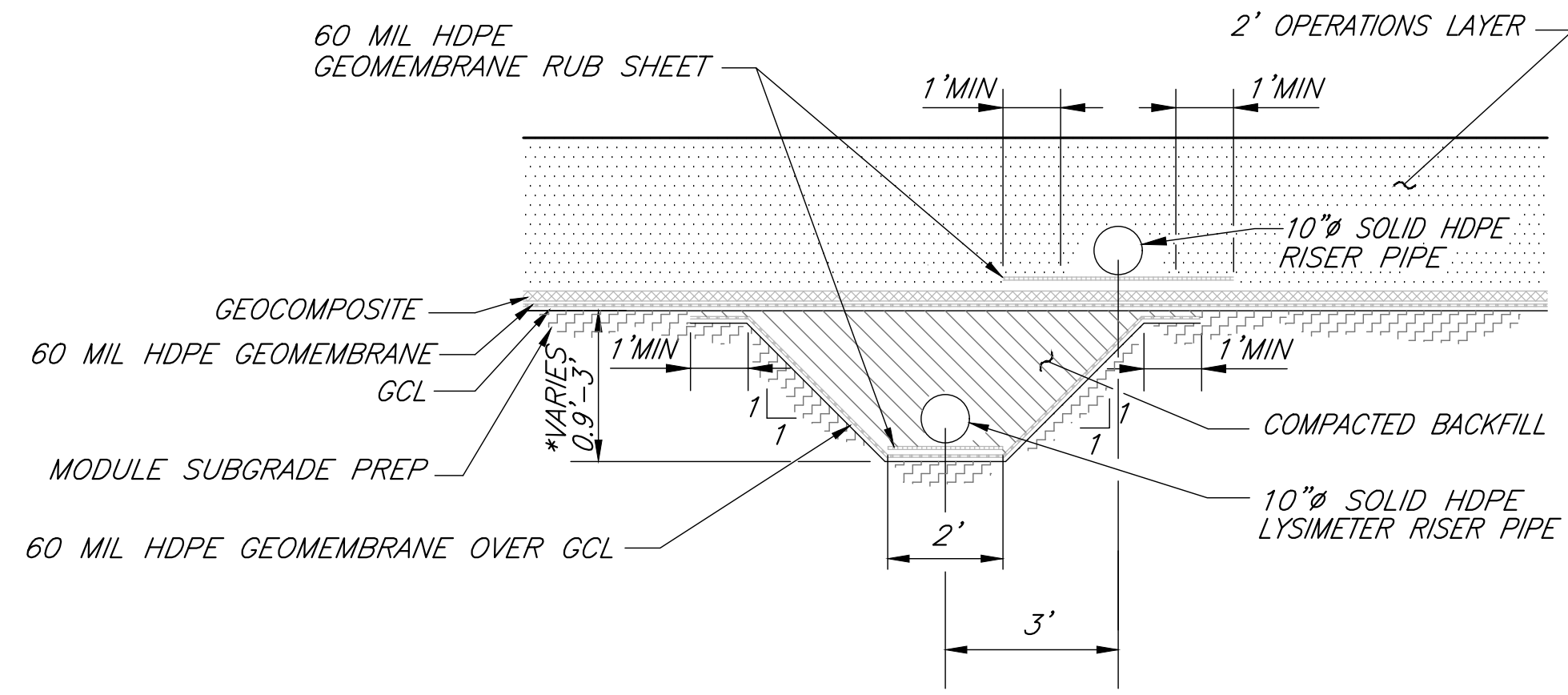
**MODULE 10 SUMP EXCAVATION AND LINER CONSTRUCTION DETAILS**

Drawing No. 11327 Sheet No. 9 Total 30



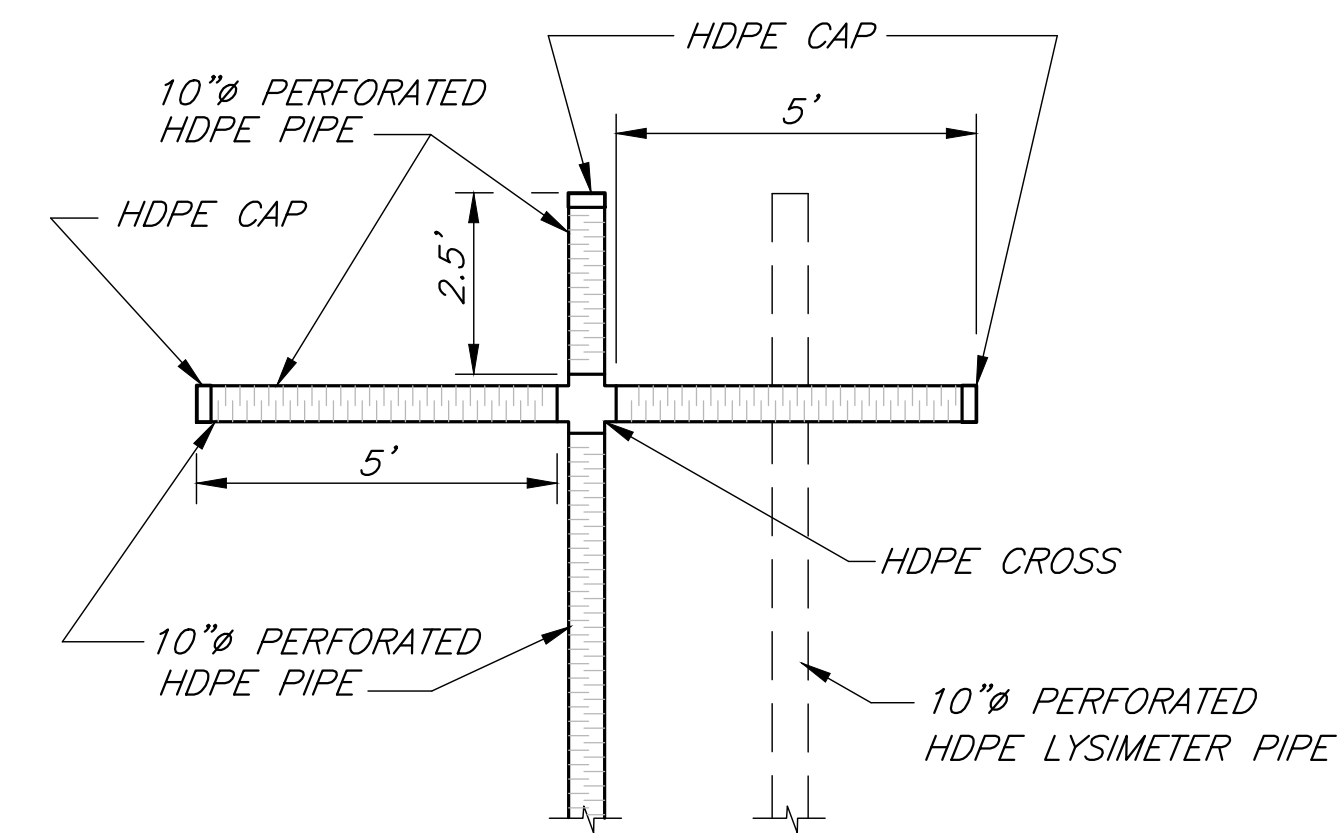
**10**  
**1** SECTION AT SUMP RISER PIPES WITHIN SUMP  
NOT TO SCALE

\* FOR MODULE 9, TRENCH DEPTH VARIES FROM 1.0' AT N:13497.14, E:13030.67 TO 1.6' AT N:13497.14, E:13010.49  
 \* FOR MODULE 9, TRENCH DEPTH VARIES FROM 1.6' AT N:13497.14, E:13010.49 TO 3.0' AT N:13497.14, E:13002.97  
 \* FOR MODULE 10, TRENCH DEPTH VARIES FROM 1.0' AT N:12999.77, E:13030.80 TO 1.6' AT N:12999.77, E:13010.64  
 \* FOR MODULE 10, TRENCH DEPTH VARIES FROM 1.6' AT N:12999.77, E:13010.64 TO 3.0' AT N:12999.77, E:13003.13

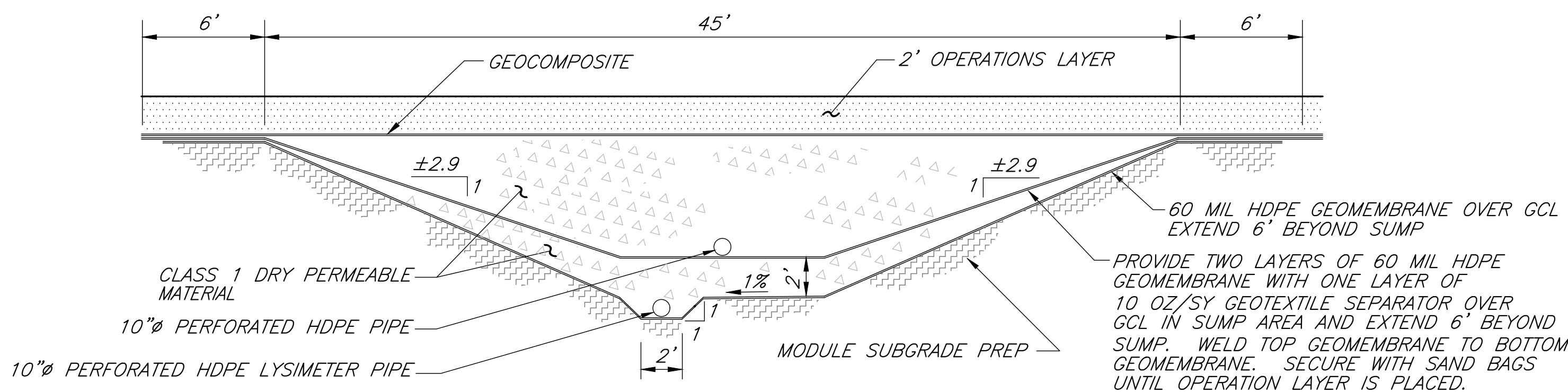


**10**  
**2** SECTION AT SUMP RISER PIPES ON SLOPE  
NOT TO SCALE

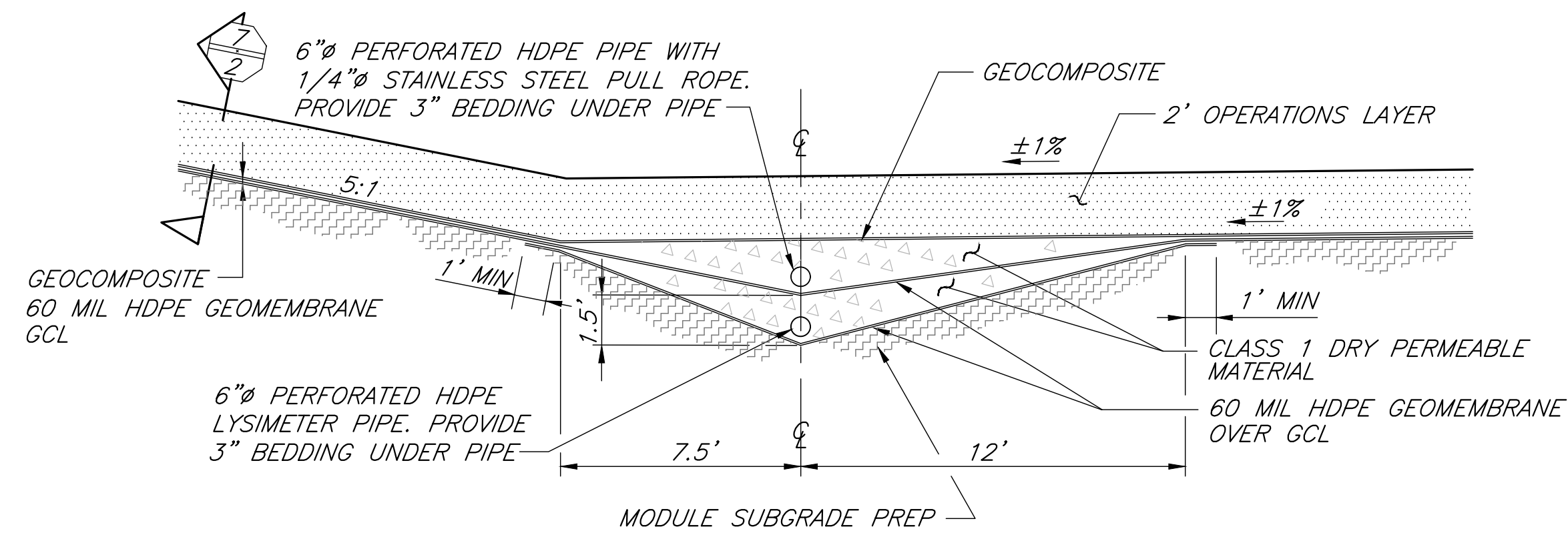
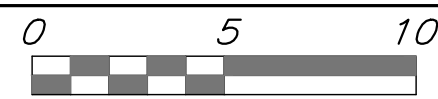
\*NOTE: FOR MODULE 9, DEPTH OF TRENCH VARIES FROM 3.0' AT N:13497.14, E:13002.97 TO 0.9' AT N:13497.13, E:12795.69  
 FOR MODULE 10, DEPTH OF TRENCH VARIES FROM 3.0' AT N:12999.77, E:13003.13 TO 0.9' AT N:12999.76, E:12795.78



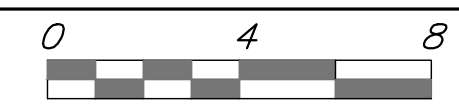
**10**  
**3** LEACHATE SUMP COLLECTION PIPE  
NOT TO SCALE



**10**  
**4** LEACHATE COLLECTION AND PAN LYSIMETER SUMP



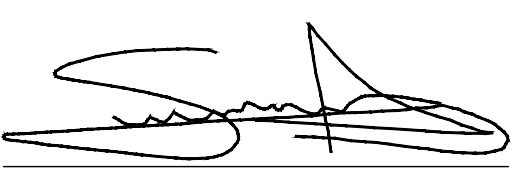
**10**  
**5** PERIMETER LEACHATE COLLECTION DRAIN AND PAN LYSIMETER

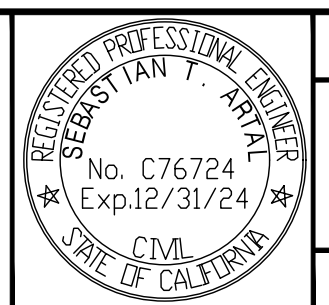


|                                  |                     |
|----------------------------------|---------------------|
| DESIGNED <u>D. KWAN</u>          | DATE <u>04/2023</u> |
| DRAWN <u>D. KWAN, J. DONMYER</u> | DATE <u>04/2023</u> |
| CHECKED <u>S. ARTAL</u>          | DATE <u>12/2023</u> |

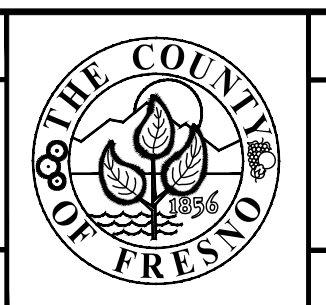
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|----------------|
| Scale in Feet  |
| SCALE AS SHOWN |

FOR R/W DATA AND ACCURATE ACCESS DETERMINATION SEE R/W RECORDS AT PUBLIC WORKS

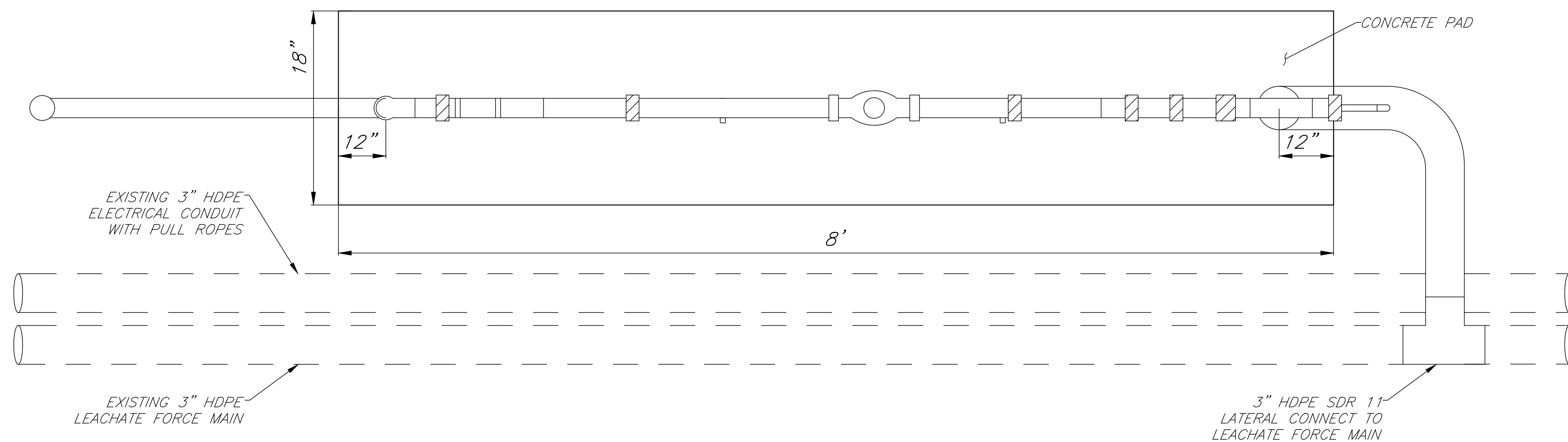
  
SUPERVISING ENGINEER  
DATE 01/08/2024



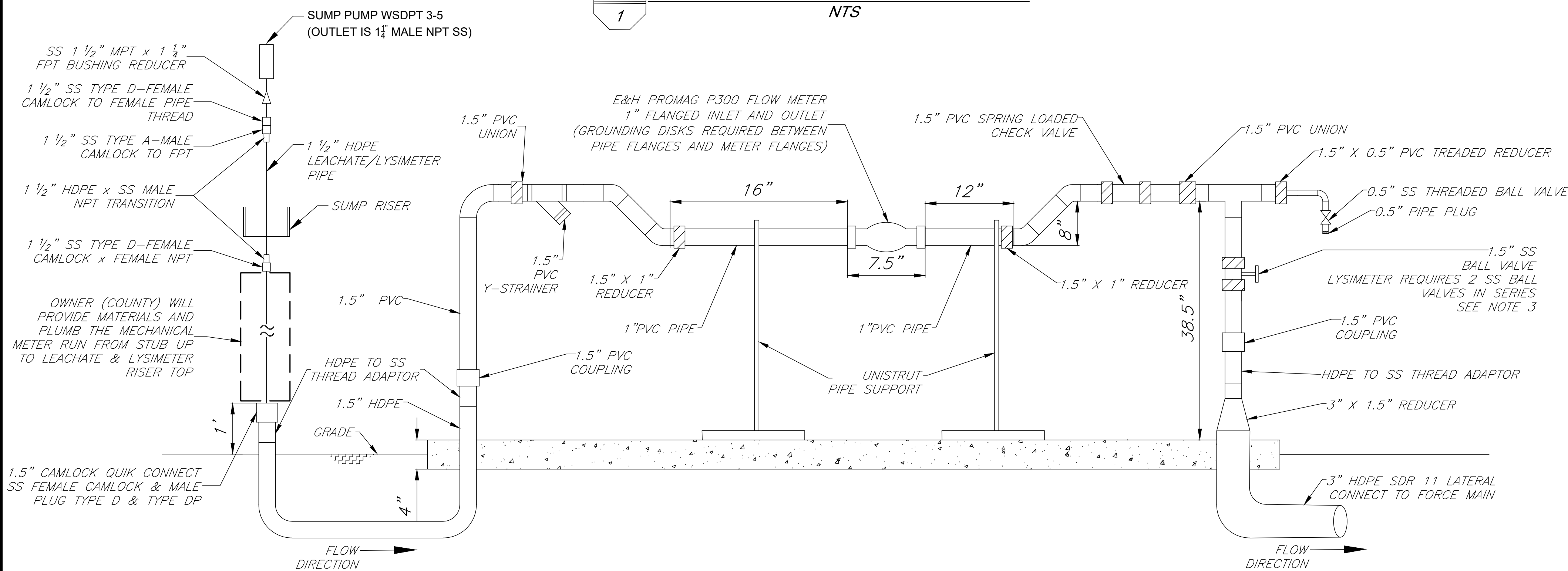
PROJECT  
**AMERICAN AVENUE DISPOSAL SITE**  
PHASE III - MODULES 9 & 10  
Road No. N/A Bridge No. N/A



DEPARTMENT OF PUBLIC WORKS AND PLANNING  
**SUMP AND LEACHATE COLLECTION SYSTEM DETAILS**  
Drawing No. 11327 Sheet No. 10 Total 30



11-1 LEACHATE/LYSIMETER METERING PLAN VIEW  
NTS



11-2 LEACHATE/LYSIMETER METERING SECTION VIEW  
NTS

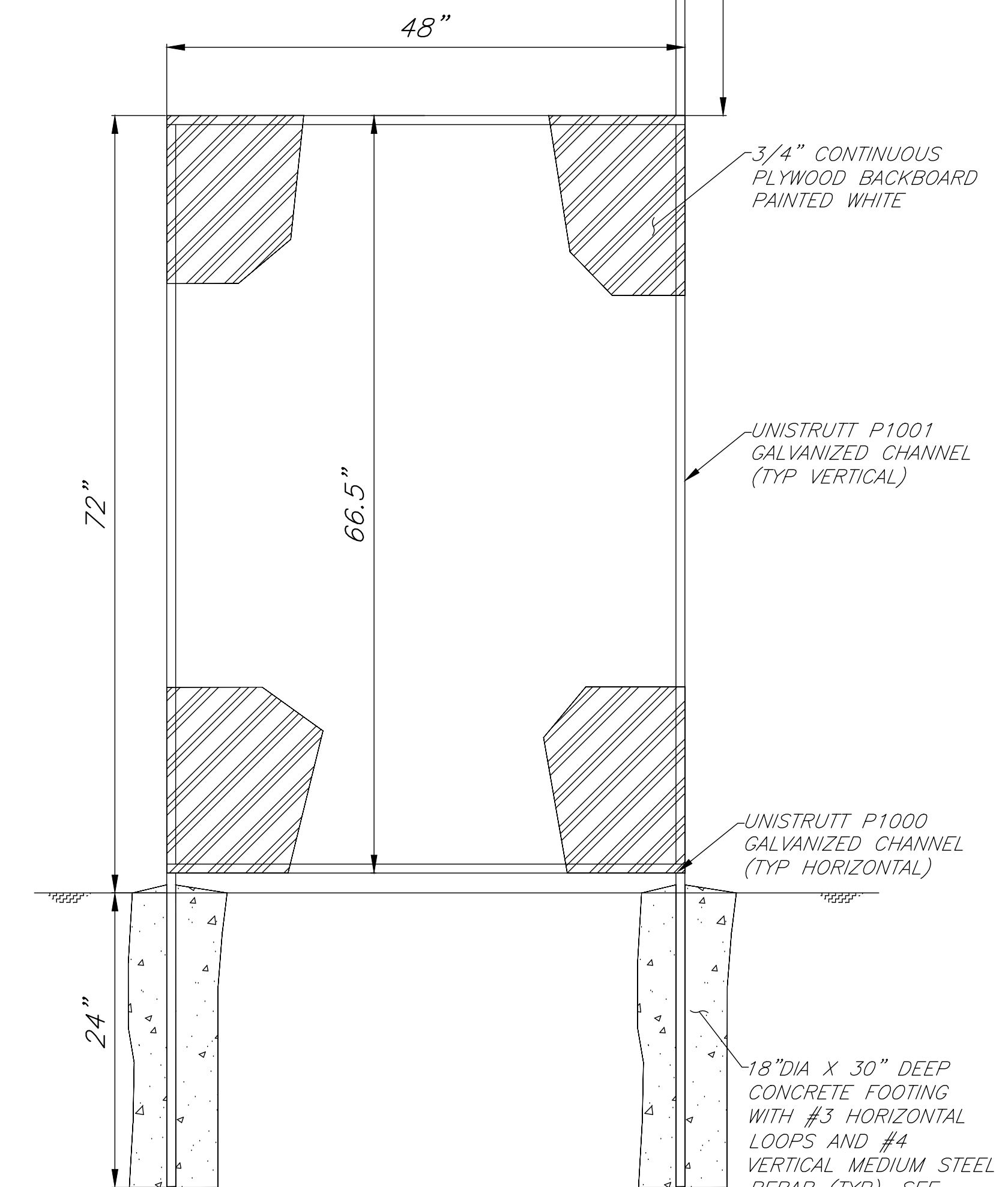
NOTES:

1. ABOVE GROUND PIPE SHALL BE INSULATED USING CLOSED-CELL FOAM INSULATION, ARMACELL TUBOLIT SELF-SEAL WITH WB ARMAFLEX FINISH OR APPROVED EQUAL.
2. ALL PVC PIPE AND FITTINGS SHALL BE SCH 80.
3. USE EXTRA CAUTION WHEN ASSEMBLING BALL VALVES TO PIPE USING PVC SOLVENT AND GLUE. THIS WILL DAMAGE BALL VALVE SEAL IF IT COMES IN CONTACT WITH IT.
4. CONTRACTOR TO FIELD LOCATE & CONNECT TO EXISTING FORCE MAIN.

THIS VERTICAL UNISTRUT P1001 MUST BE ONE CONTINUOUS PIECE 144" OVERALL LENGTH.

NOTE:

ALL ASSEMBLY HARDWARE (BOLTS, WASHERS, ETC) SHALL BE GALVANIZED STEEL



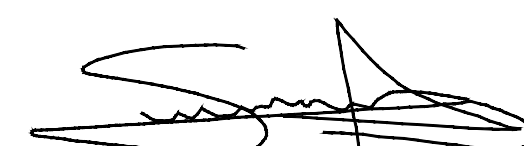
NOTE:

PANEL WILL BE FACING NORTH (OPERATOR FACING SOUTH)

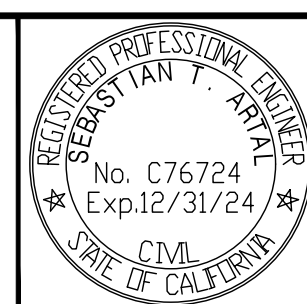
11-3 LEACHATE/LYSIMETER SUMP CONTROL PANEL BACKBOARD  
NTS

|                                  |                     |
|----------------------------------|---------------------|
| DESIGNED <u>D. KWAN</u>          | DATE <u>04/2023</u> |
| DRAWN <u>D. KWAN, J. DONMYER</u> | DATE <u>04/2023</u> |
| CHECKED <u>S. ARTAL</u>          | DATE <u>12/2023</u> |

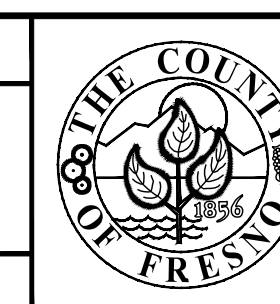
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|---------------|
| Scale in Feet |
| NTS           |

  
SUPERVISING ENGINEER

01/08/2024  
DATE



PROJECT  
**AMERICAN AVENUE DISPOSAL SITE**  
PHASE III - MODULES 9 & 10  
Road No. N/A Bridge No. N/A

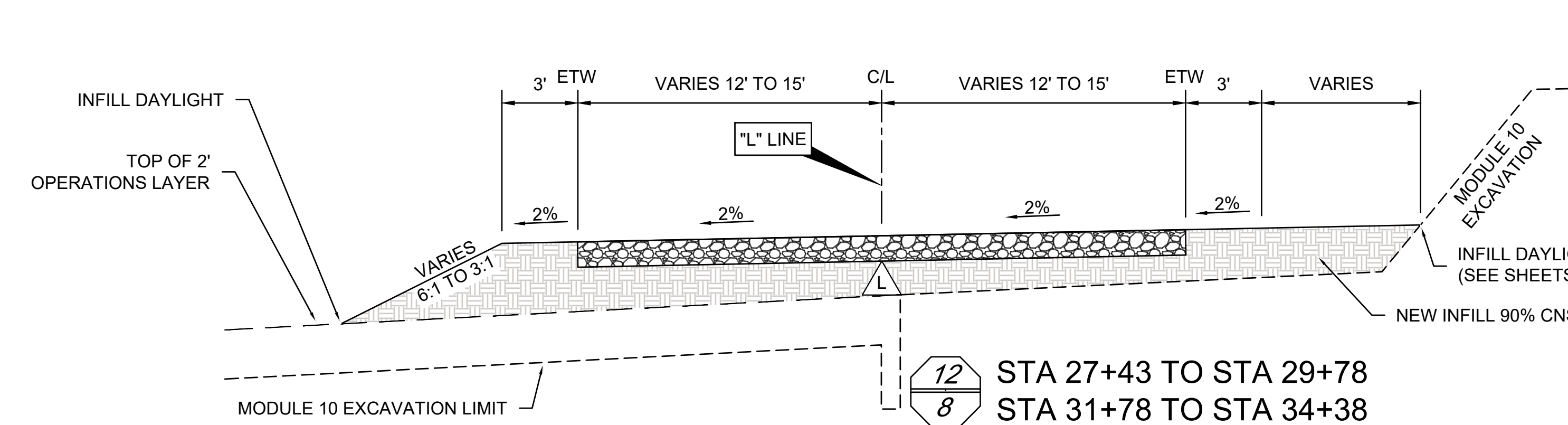
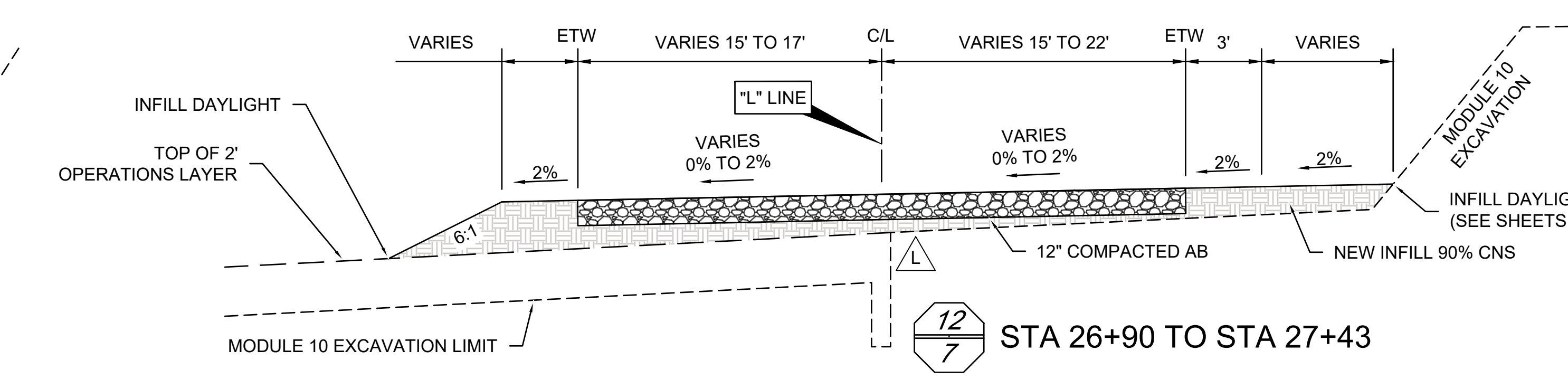
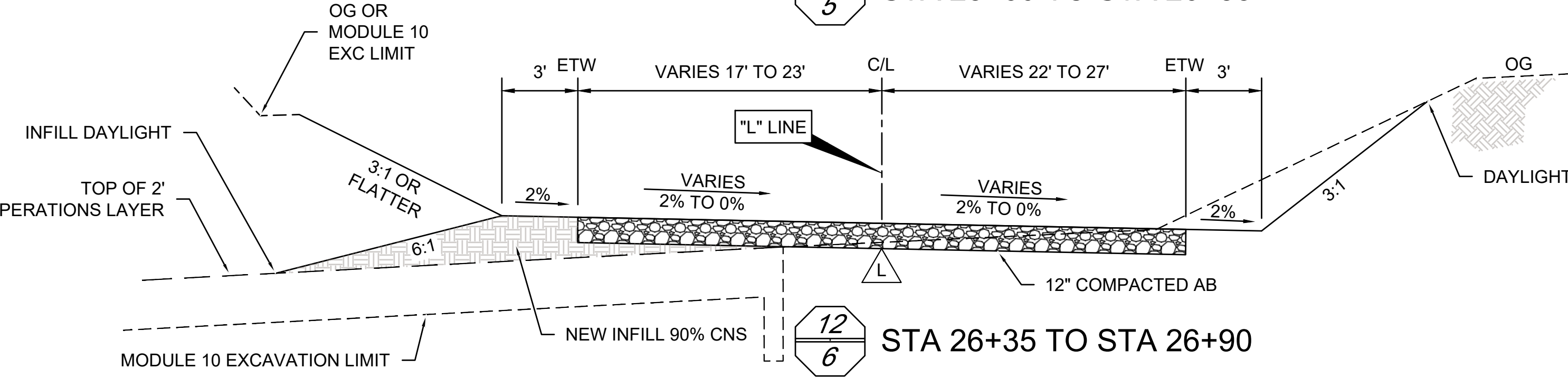
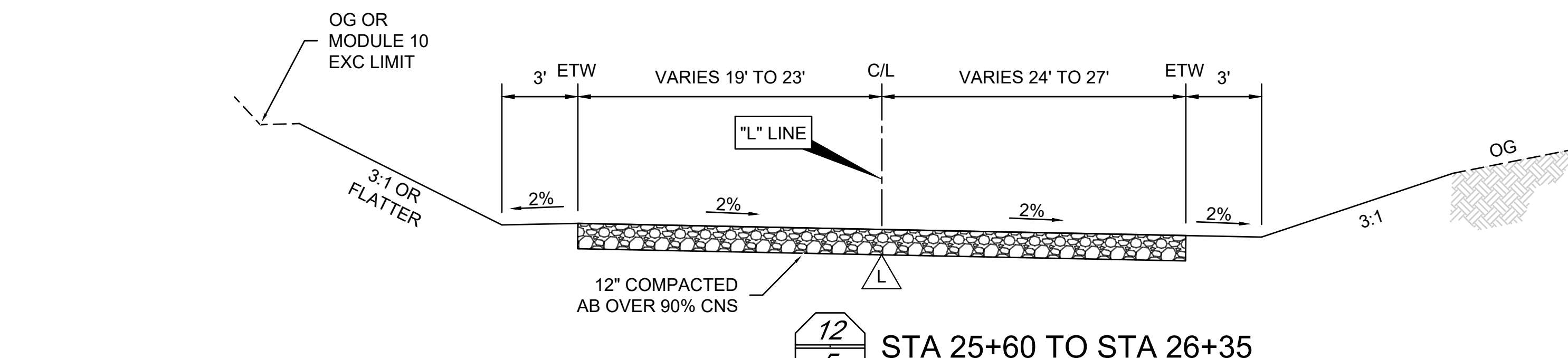
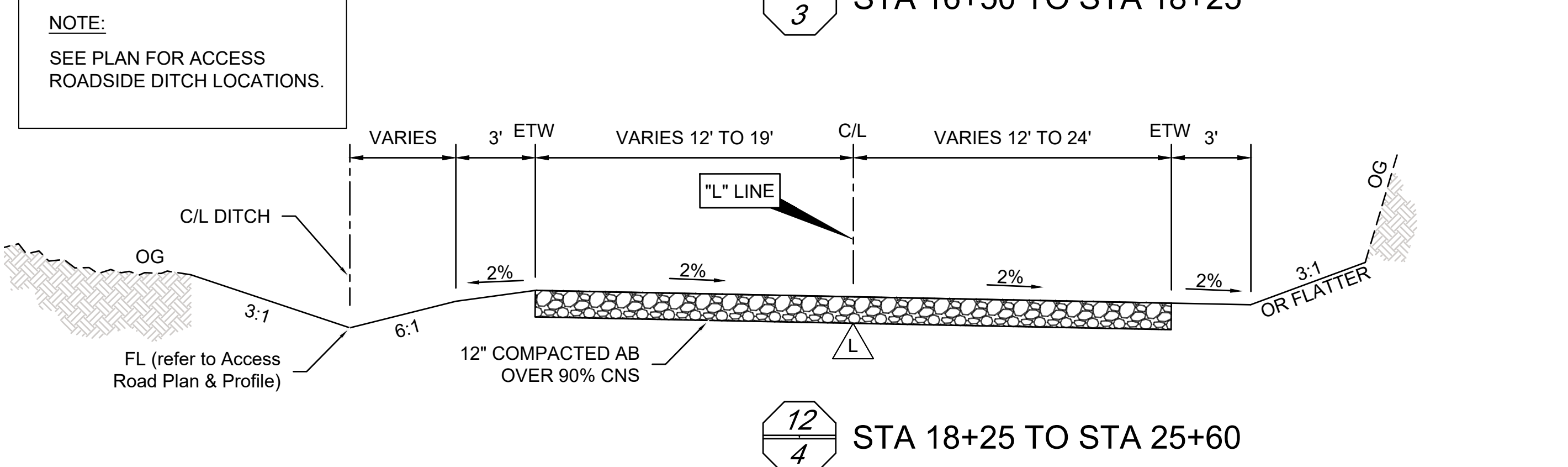
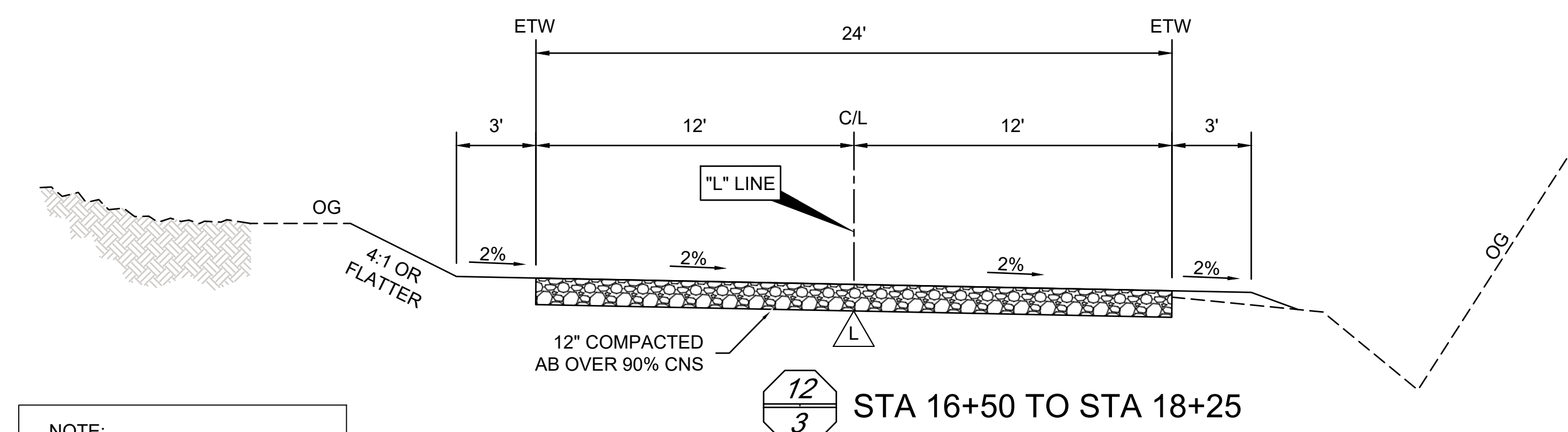
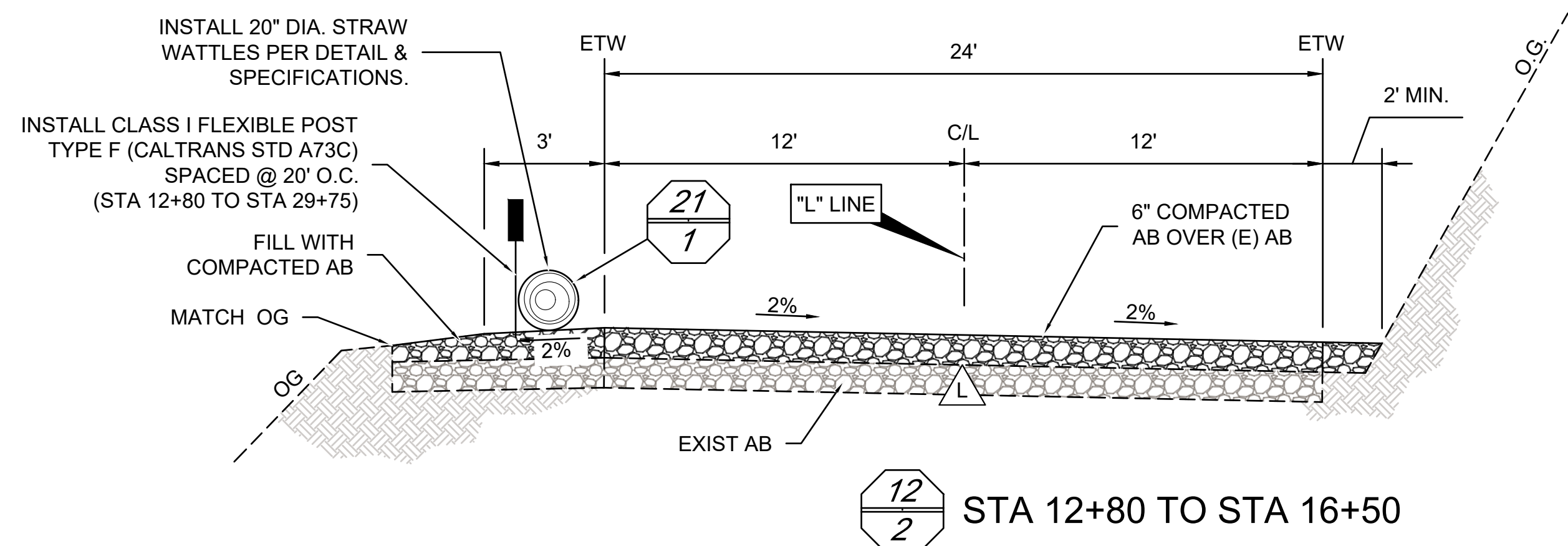
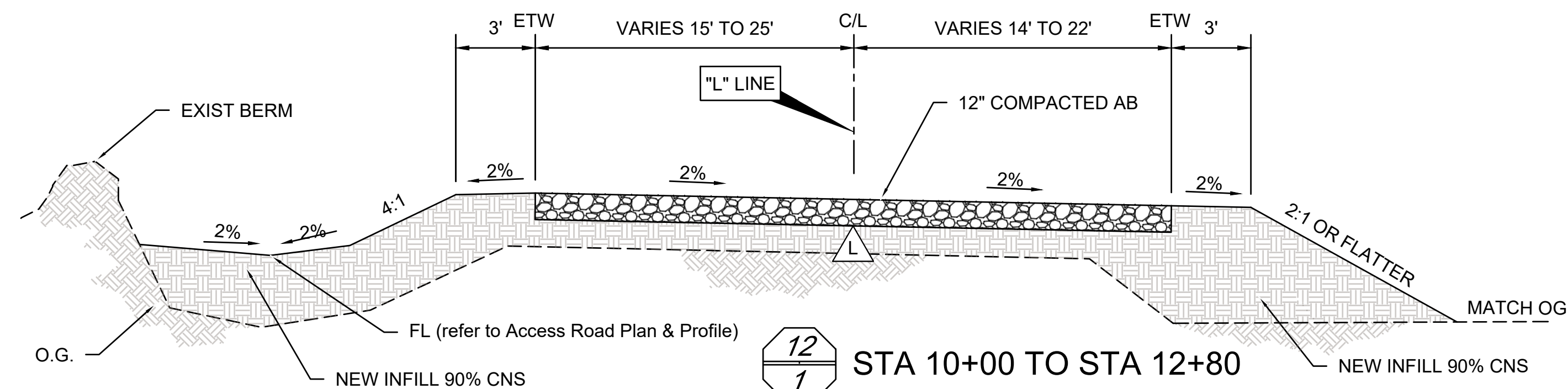


DEPARTMENT OF PUBLIC WORKS AND PLANNING  
**LEACHATE METERING**  
Drawing No. 11327 Sheet No. 11 Total 30

REVISION FOR R/W DATA AND ACCURATE ACCESS DETERMINATION SEE R/W RECORDS AT PUBLIC WORKS

**NOTE:**

CNS FOR ACCESS ROAD AND WINTER PAD AND AGGREGATE BASE SHALL BE COMPACTED TO 90% OF THE MAXIMUM DRY DENSITY AND TO A MOISTURE CONTENT ± 2% OF OPTIMUM AS DETERMINED BY ASTM D1557.



**NOTE:**  
SEE PLAN FOR ACCESS  
ROADSIDE DITCH LOCATIONS.

DESIGNED *D. KWAN* DATE *04/2023*  
DRAWN *D. KWAN, J. DONMYER* DATE *04/2023*  
CHECKED *S. ARTAL* DATE *12/2023*

Scale in Feet  
*N.T.S.*

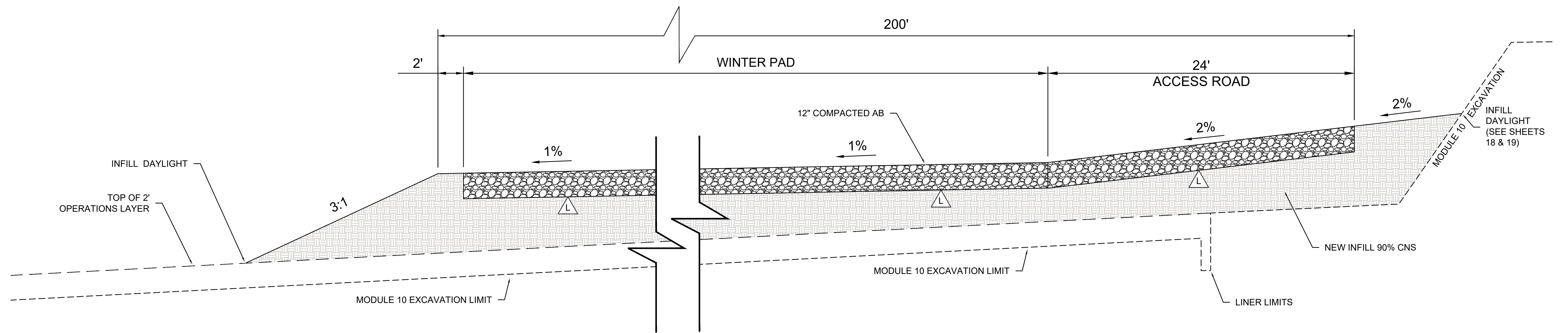
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SUPERVISING ENGINEER  
DATE *01/08/2024*



PROJECT  
**AMERICAN AVENUE DISPOSAL SITE  
PHASE III - MODULES 9 & 10**  
Road No. *N/A* Bridge No. *N/A*



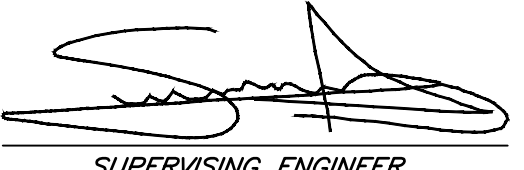


DEPARTMENT OF PUBLIC WORKS AND PLANNING  
**TYPICAL ACCESS ROAD SECTIONS**  
Drawing No. *11327* Sheet No. *12* Total *30*

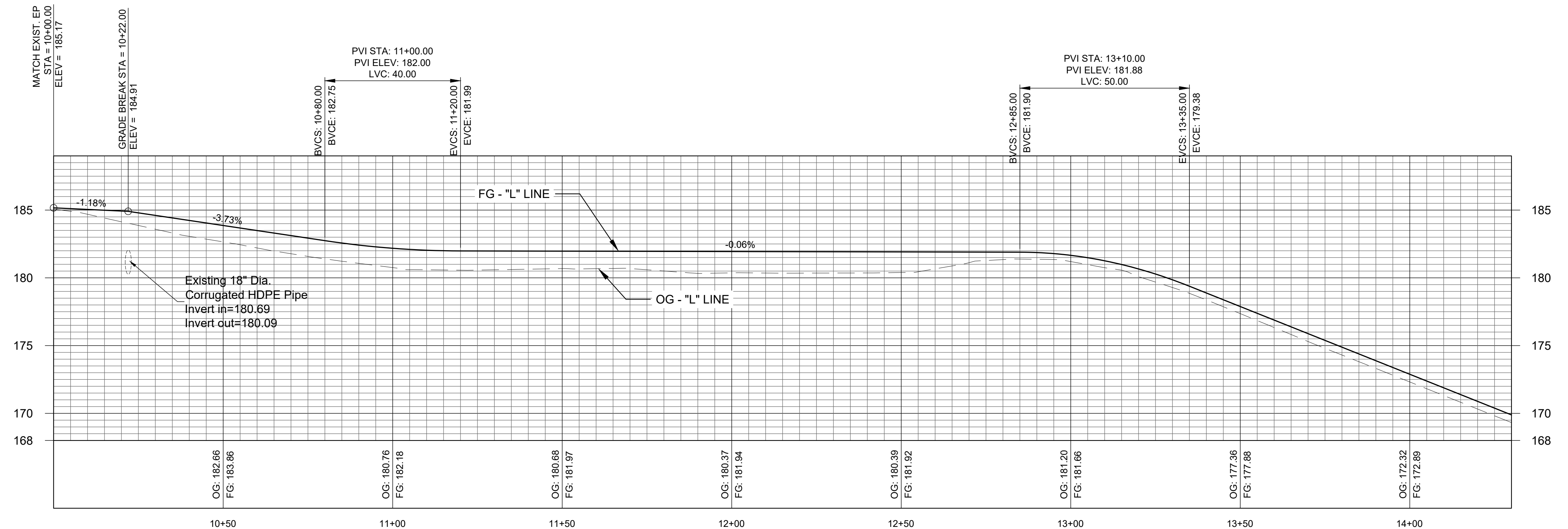
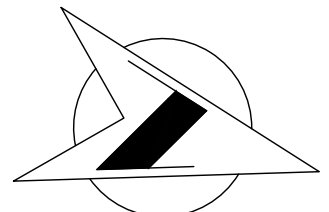
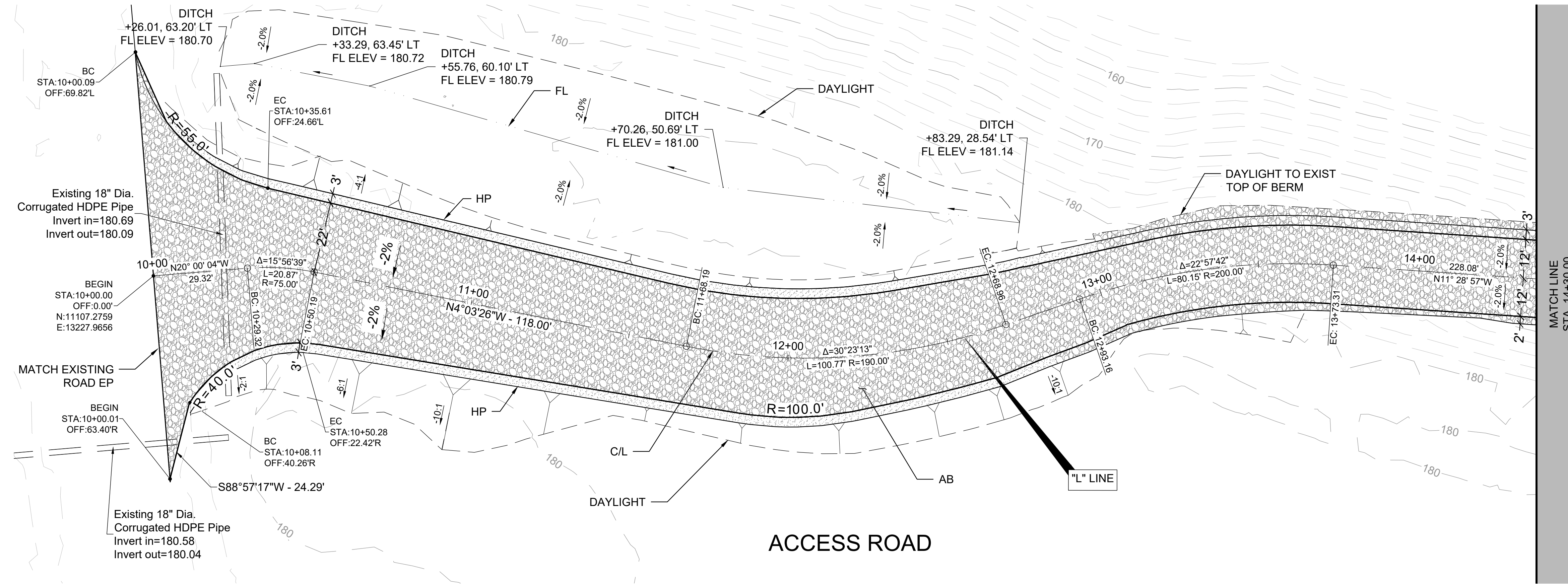


**13**  
**1** WINTER PAD AND ACCESS ROAD  
STA 29+78 TO STA 31+78

**NOTE:**

CNS FOR ACCESS ROAD AND WINTER PAD AND AGGREGATE BASE SHALL BE COMPACTED TO 90% OF THE MAXIMUM DRY DENSITY AND TO A MOISTURE CONTENT  $\pm$  2% OF OPTIMUM AS DETERMINED BY ASTM D1557.

|  |                     |                                    |   |   |   |   |  |
|--|---------------------|------------------------------------|---|---|---|---|--|
| DESIGNED <u>D. KWAN</u>  | DATE <u>04/2023</u> | Scale in Feet<br><br><b>N.T.S.</b> | <br>SUPERVISING ENGINEER |  | PROJECT   |  | DEPARTMENT OF PUBLIC WORKS AND PLANNING    |
| DRAWN <u>D. KWAN, J. DONMYER</u>   | DATE <u>04/2023</u> |                                    |   |   | <b>AMERICAN AVENUE DISPOSAL SITE</b><br><b>PHASE III - MODULES 9 &amp; 10</b> |   | <b>WINTER PAD AND ACCESS ROAD SECTIONS</b> |
| CHECKED <u>S. ARTAL</u>  | DATE <u>12/2023</u> |                                    |   |   | Road No. _____ Bridge No. _____   |   | Drawing No. 11327 Sheet No. 13 Total 30    |
| REVISION   |                     |                                    |   |   |   |   |  |
| FOR R/W DATA AND ACCURATE ACCESS DETERMINATION SEE R/W RECORDS AT PUBLIC WORKS |                     |                                    |   |   |   |   |  |



|                                  |                     |
|----------------------------------|---------------------|
| DESIGNED <i>D. KWAN</i>          | DATE <i>04/2023</i> |
| DRAWN <i>D. KWAN, J. DONMYER</i> | DATE <i>04/2023</i> |
| CHECKED <i>S. ARTAL</i>          | DATE <i>12/2023</i> |

Scale in Feet

HORIZ 0 20 40

VERT 0 5 10

FOR R/W DATA AND ACCURATE ACCESS DETERMINATION SEE R/W RECORDS AT PUBLIC WORKS

*[Signature]*

SUPERVISING ENGINEER

01/08/2024

DATE



PROJECT

**AMERICAN AVENUE DISPOSAL SITE**

PHASE III - MODULES 9 & 10

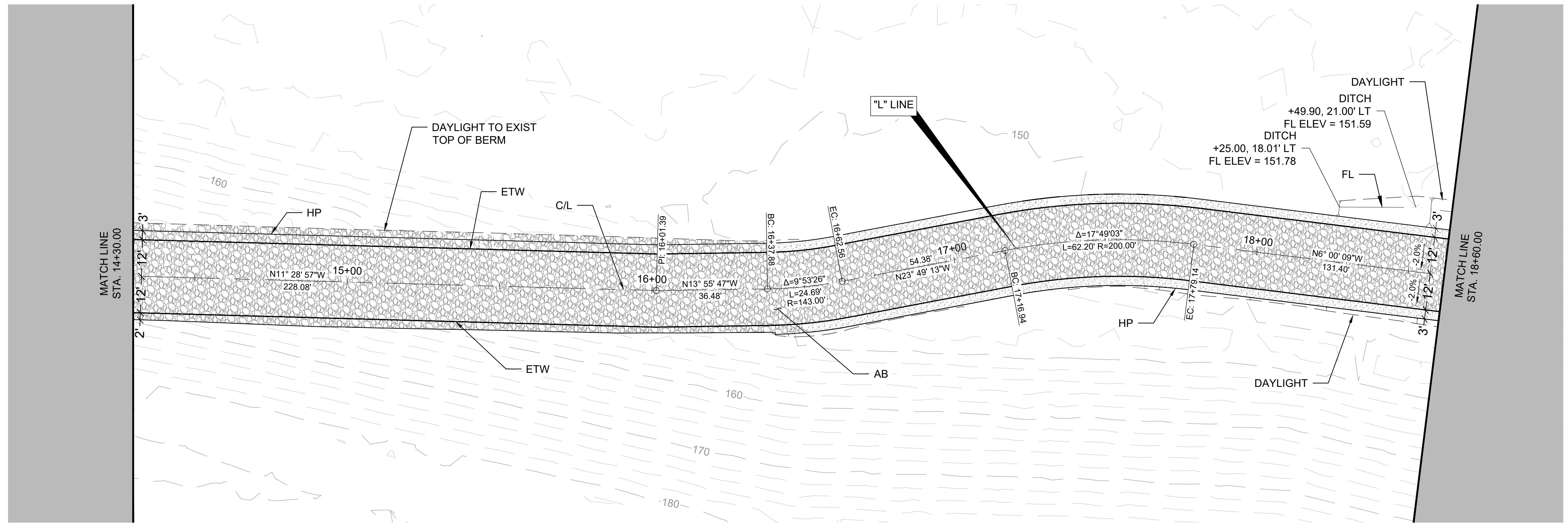
Road No. *N/A* Bridge No. *N/A*



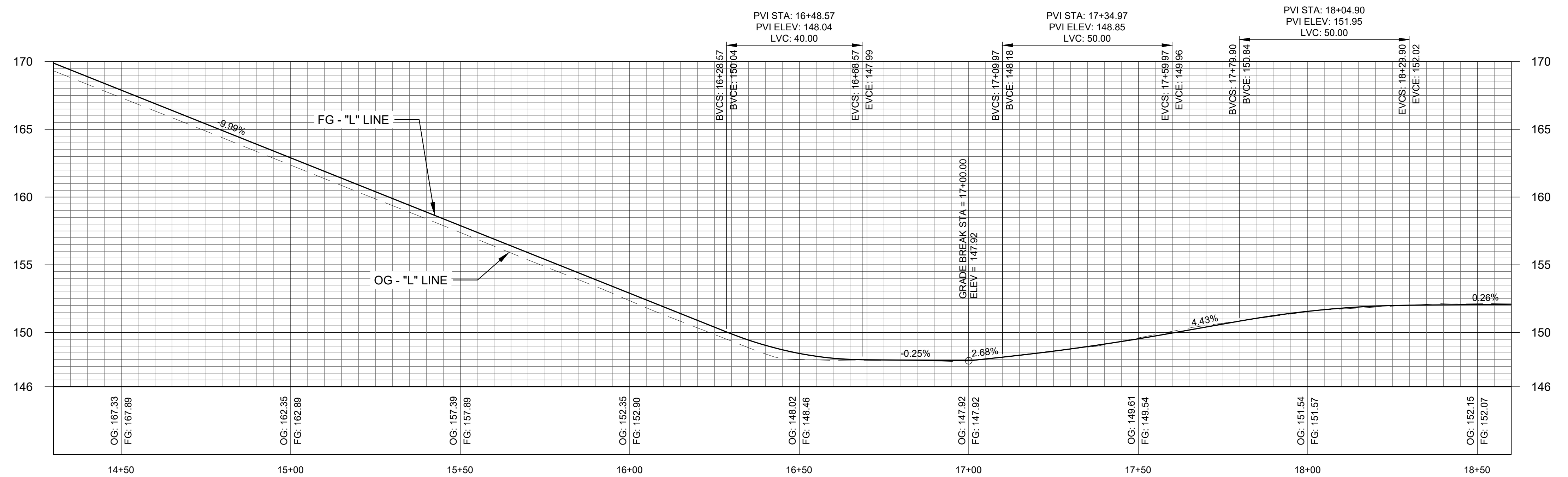
DEPARTMENT OF PUBLIC WORKS AND PLANNING

**ACCESS ROAD PLAN & PROFILE**

Drawing No. *11327* Sheet No. *14* Total *30*



ACCESS ROAD



DESIGNED D. KWAN DATE 04/2023  
 DRAWN D. KWAN, J. DONMYER DATE 04/2023  
 CHECKED S. ARTAL DATE 12/2023

Scale in Feet  
 HORIZ 0 20 40  
 VERT 0 5 10

*[Signature]*  
 SUPERVISING ENGINEER  
 01/08/2024  
 DATE



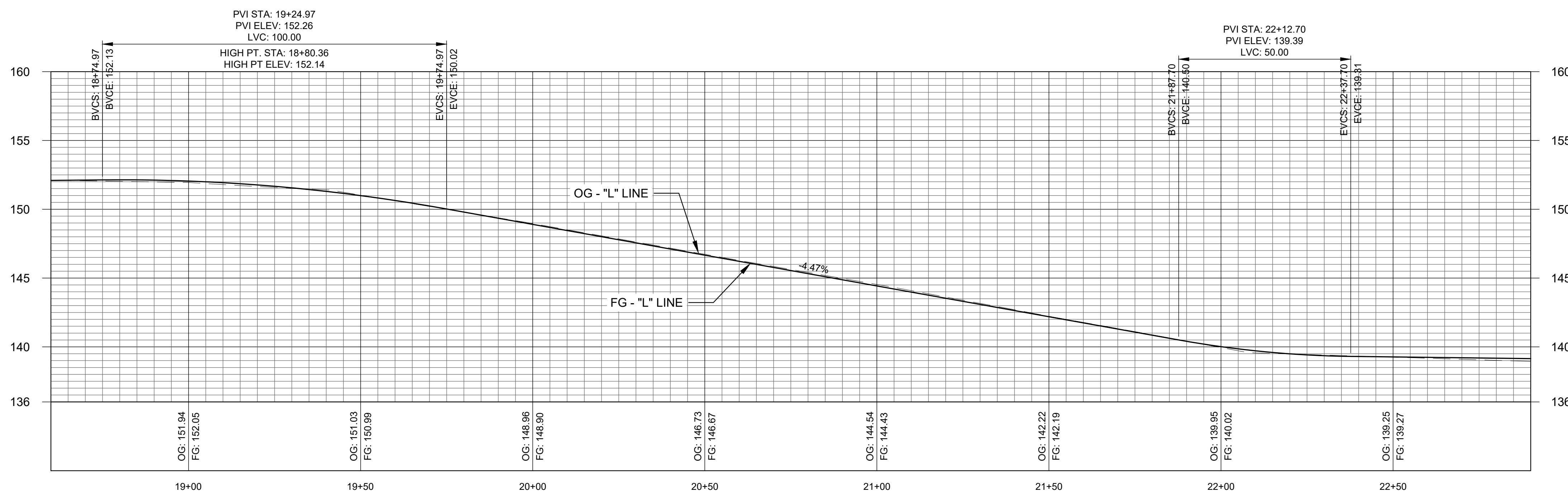
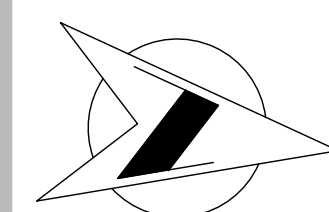
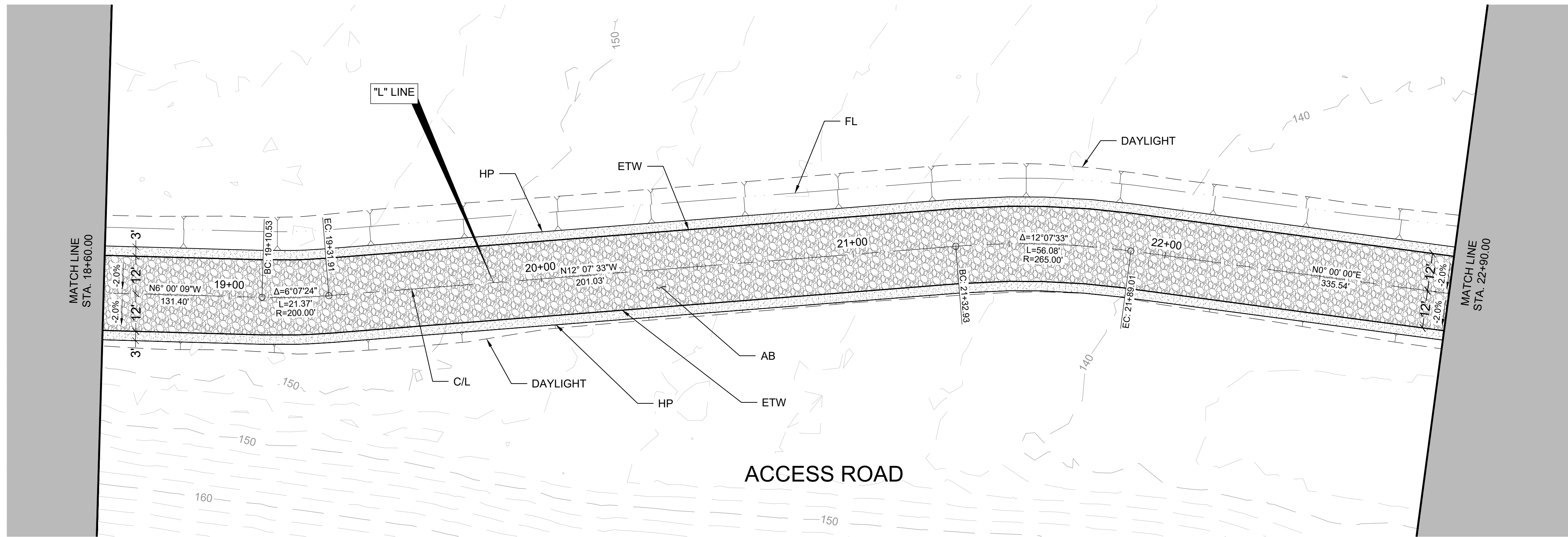
PROJECT  
**AMERICAN AVENUE DISPOSAL SITE**  
**PHASE III - MODULES 9 & 10**  
 Road No. N/A Bridge No. N/A



DEPARTMENT OF PUBLIC WORKS AND PLANNING  
**ACCESS ROAD PLAN & PROFILE**  
 Drawing No. 11327 Sheet No. 15 Total 30

REVISION FOR R/W DATA AND ACCURATE ACCESS DETERMINATION SEE R/W RECORDS AT PUBLIC WORKS

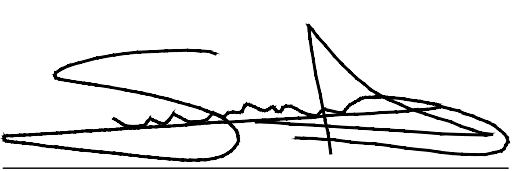




DESIGNED D. KWAN DATE 04/2023  
 DRAWN D. KWAN, J. DONMYER DATE 04/2023  
 CHECKED S. ARTAL DATE 12/2023

Scale in Feet  
 HORIZ 0 20 40  
 VERT 0 5 10

FOR R/W DATA AND ACCURATE ACCESS DETERMINATION SEE R/W RECORDS AT PUBLIC WORKS

  
 SUPERVISING ENGINEER

01/08/2024  
 DATE



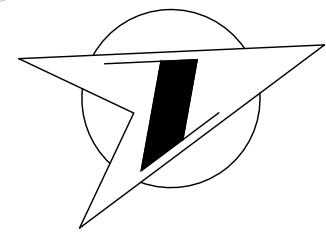
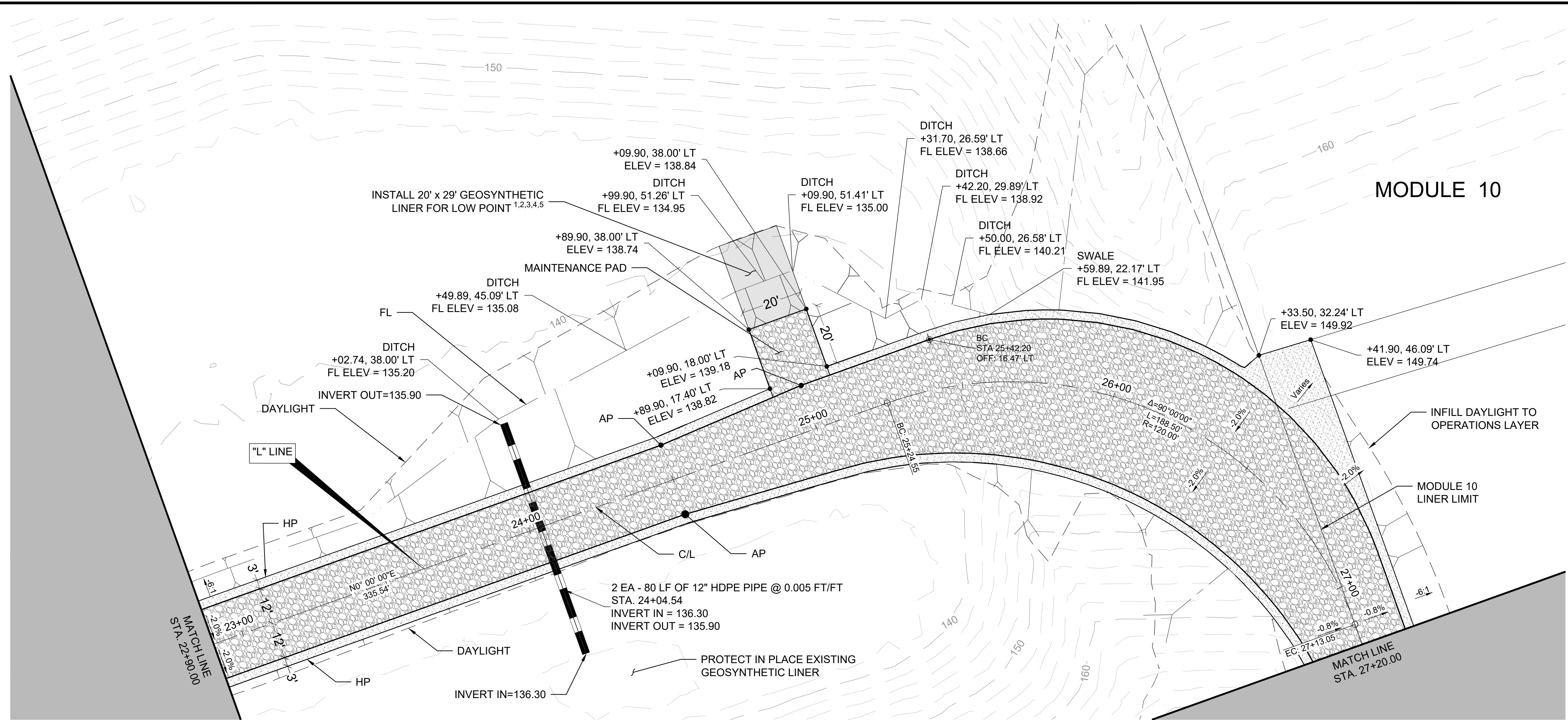
PROJECT  
**AMERICAN AVENUE DISPOSAL SITE**  
**PHASE III - MODULES 9 & 10**

Road No. N/A Bridge No. N/A



DEPARTMENT OF PUBLIC WORKS AND PLANNING  
**ACCESS ROAD PLAN & PROFILE**

Drawing No. 11327 Sheet No. 16 Total 30



MODULE 10

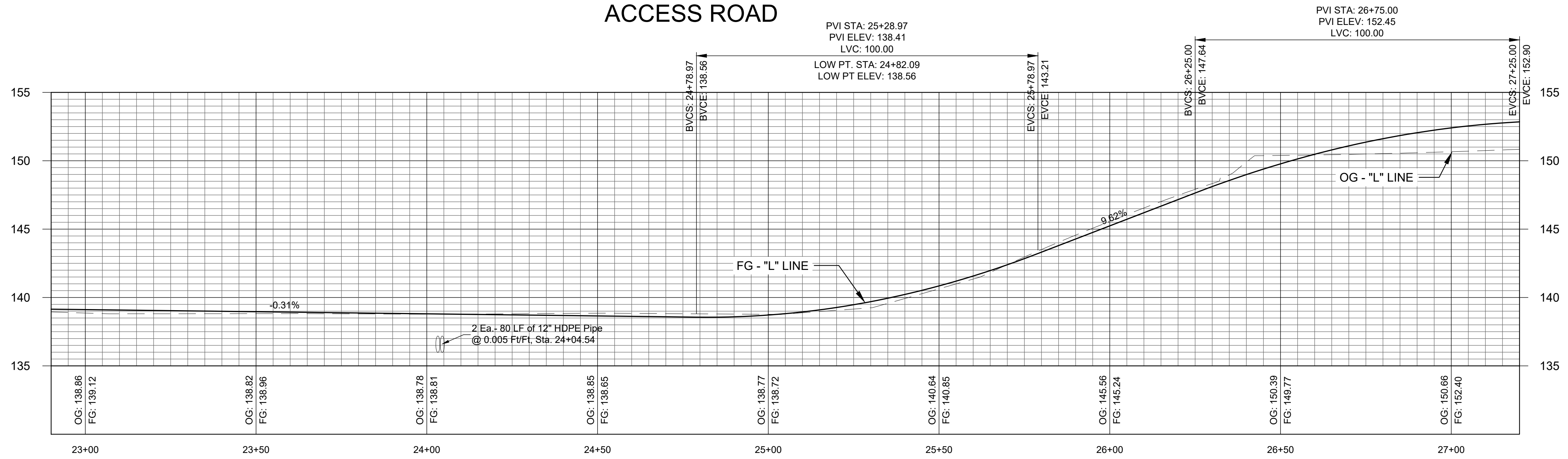
ACCESS ROAD

GEOSYNTHETIC LINER NOTES:

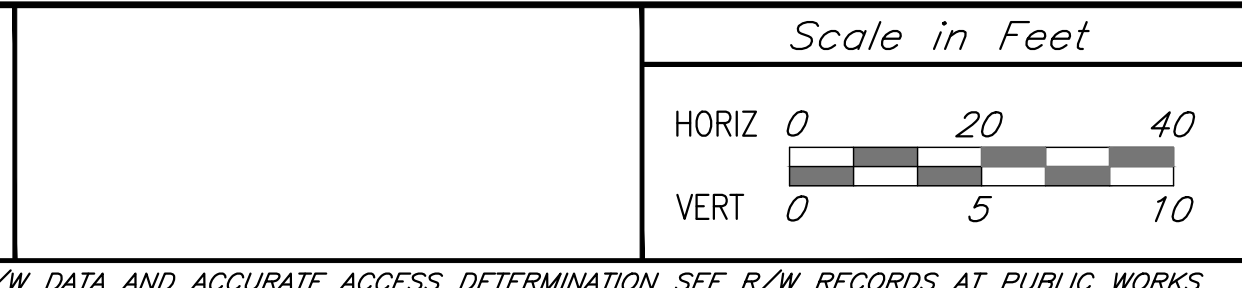
1. GEOSYNTHETIC LINER TO BE EPDM, MINIMUM 45-mil THICK, OR APPROVED ALTERNATIVE.
2. AT A MINIMUM, CONTRACTOR IS TO PREPARE THE LINER SUBGRADE BY SMOOTH DRUM ROLLING, REMOVING ROCKS OR CLODS THAT PROTRUDE MORE THAN 1/2", AND CORRECTING ANY RUTTING OR OTHER ABRUPT GRADE CHANGES IN EXCESS OF 1/2".
3. ANCHOR GEOSYNTHETIC LINER PER MANUFACTURER RECOMMENDATIONS.
4. 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 EXHIBING DEGRADATION. OWNER SHALL APPROVE SELECTED GEOSYNTHETIC.
5. PREPARE GEOSYNTHETIC SUBGRADE AND INSTALL GEOSYNTHETICS PER MANUFACTURER RECOMMENDATIONS.

NOTES:

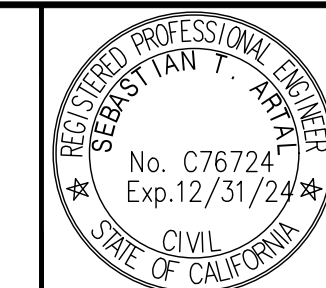
1. 12" DIA. HDPE STORM DRAIN PIPES TO BE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.
2. PROFILE OG "L" LINE FROM ABOUT STATION 27+00 TO STATION 34+74 IS THE SOUTH END OF MODULE 10 OPERATIONS LAYER.



DESIGNED D. KWAN DATE 04/2023  
 DRAWN D. KWAN, J. DONMYER DATE 04/2023  
 CHECKED S. ARTAL DATE 12/2023



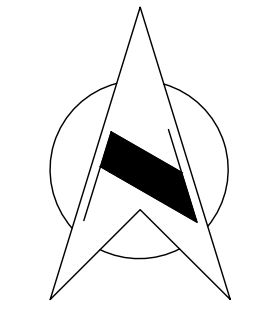
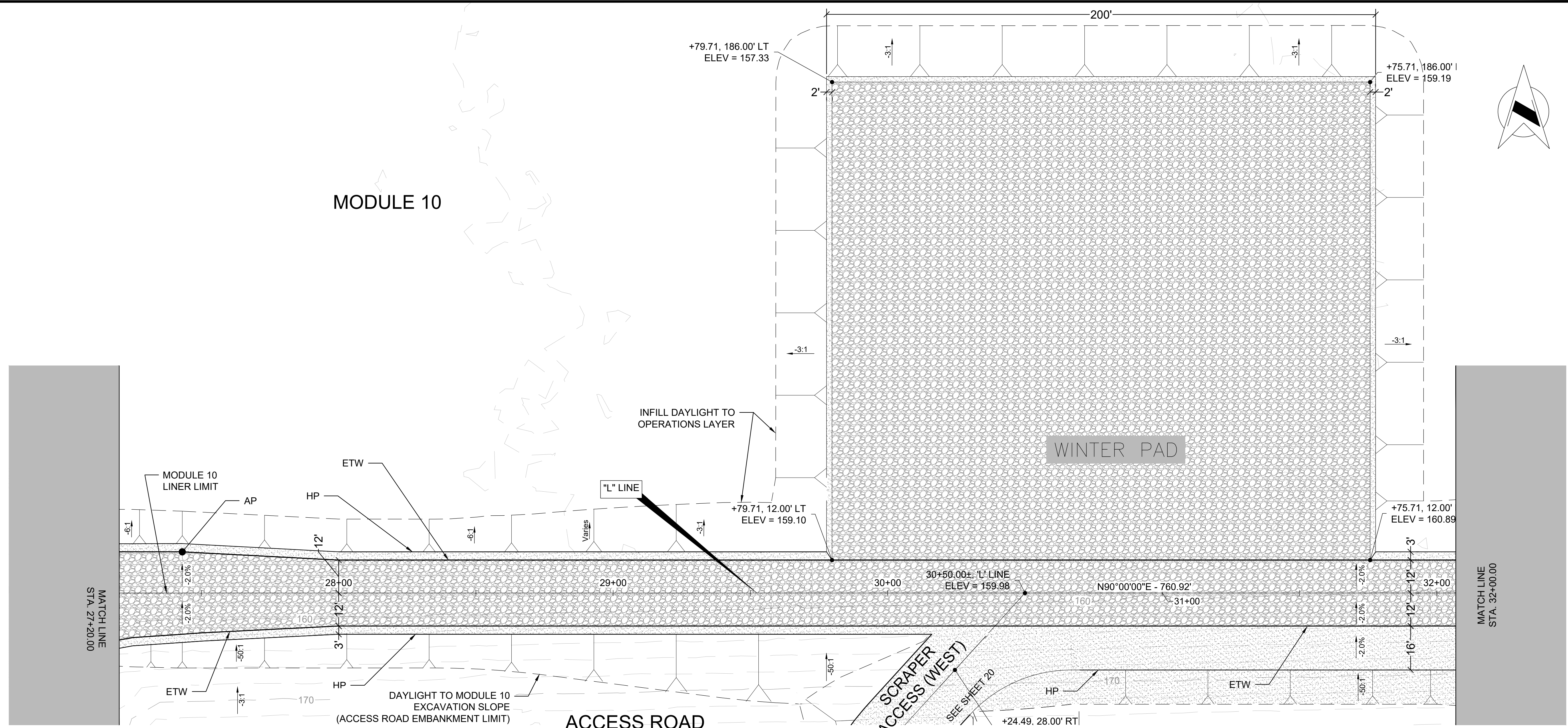
SUPERVISING ENGINEER  
 01/08/2024  
 DATE



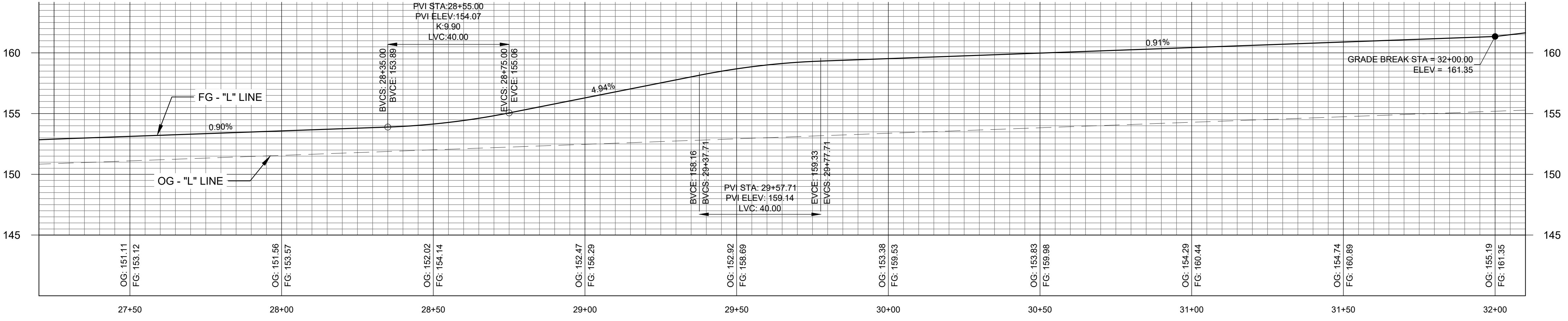
PROJECT  
**AMERICAN AVENUE DISPOSAL SITE**  
 PHASE III - MODULES 9 & 10  
 Road No. N/A Bridge No. N/A

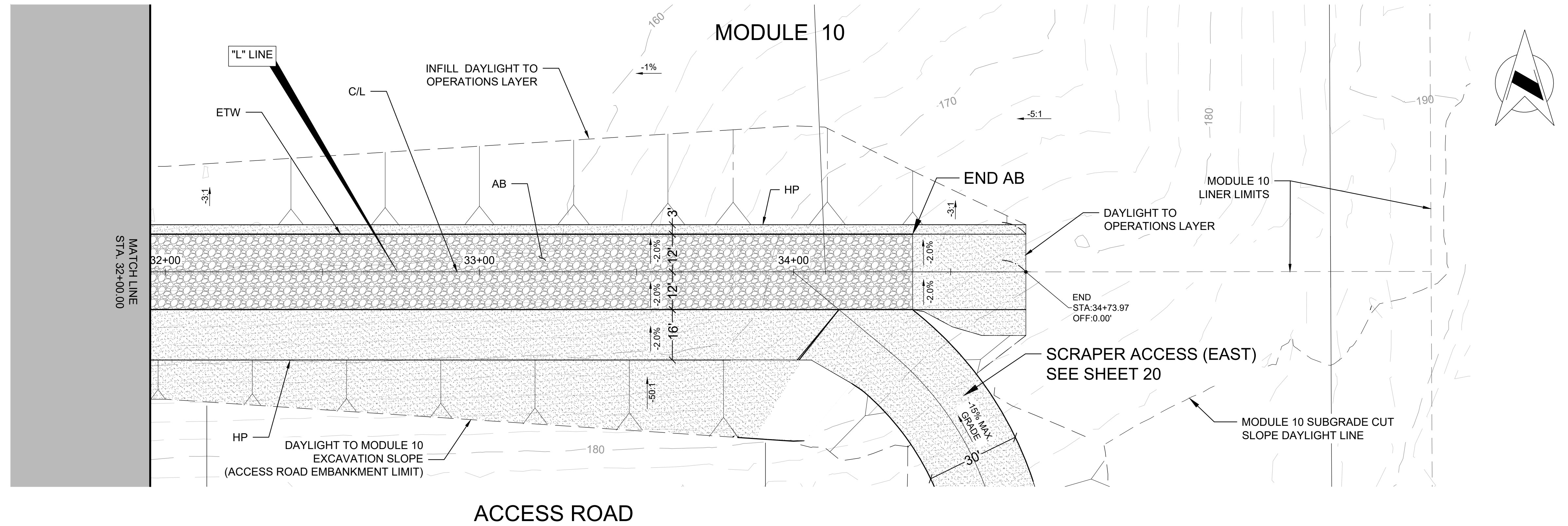


DEPARTMENT OF PUBLIC WORKS AND PLANNING  
**ACCESS ROAD PLAN & PROFILE**  
 Drawing No. 11327 Sheet No. 17 Total 30



NOTE:  
 PROFILE OG "L" LINE FROM ABOUT STATION 27+00 TO STATION 34+74 IS THE SOUTH END OF MODULE 10 OPERATIONS LAYER.

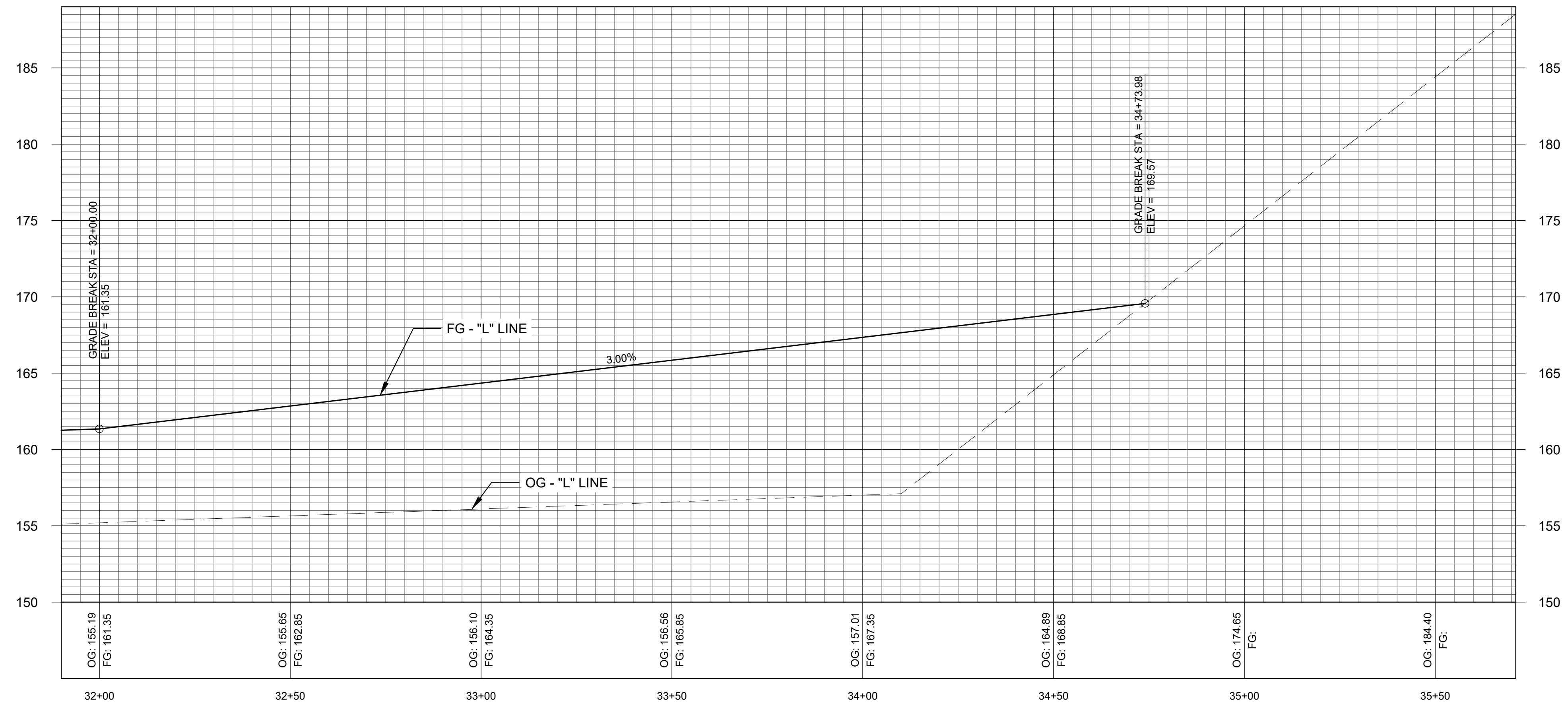




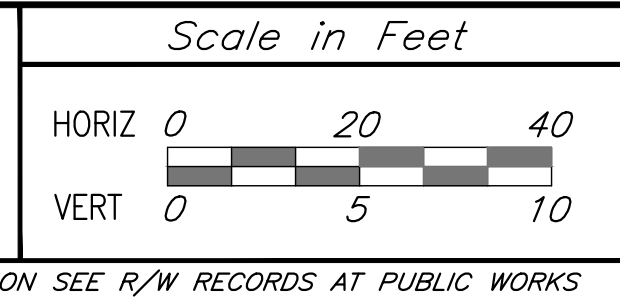
ACCESS ROAD

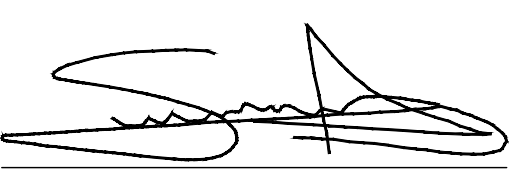
NOTE:

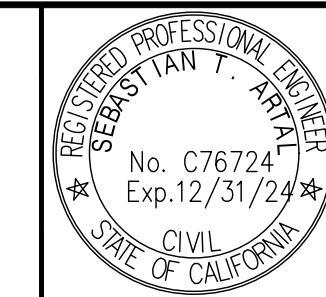
PROFILE OG "L" LINE FROM ABOUT STATION 27+00 TO STATION 34+74 IS THE SOUTH END OF MODULE 10 OPERATIONS LAYER.



|                                  |  |
|----------------------------------|--|
| DESIGNED <u>D. KWAN</u>          | DATE <u>04/2023</u>  |
| DRAWN <u>D. KWAN, J. DONMYER</u> | DATE <u>04/2023</u>  |
| CHECKED <u>S. ARTAL</u>          | DATE <u>12/2023</u>  |
| REVISION                         | FOR R/W DATA AND ACCURATE ACCESS DETERMINATION SEE R/W RECORDS AT PUBLIC WORKS |



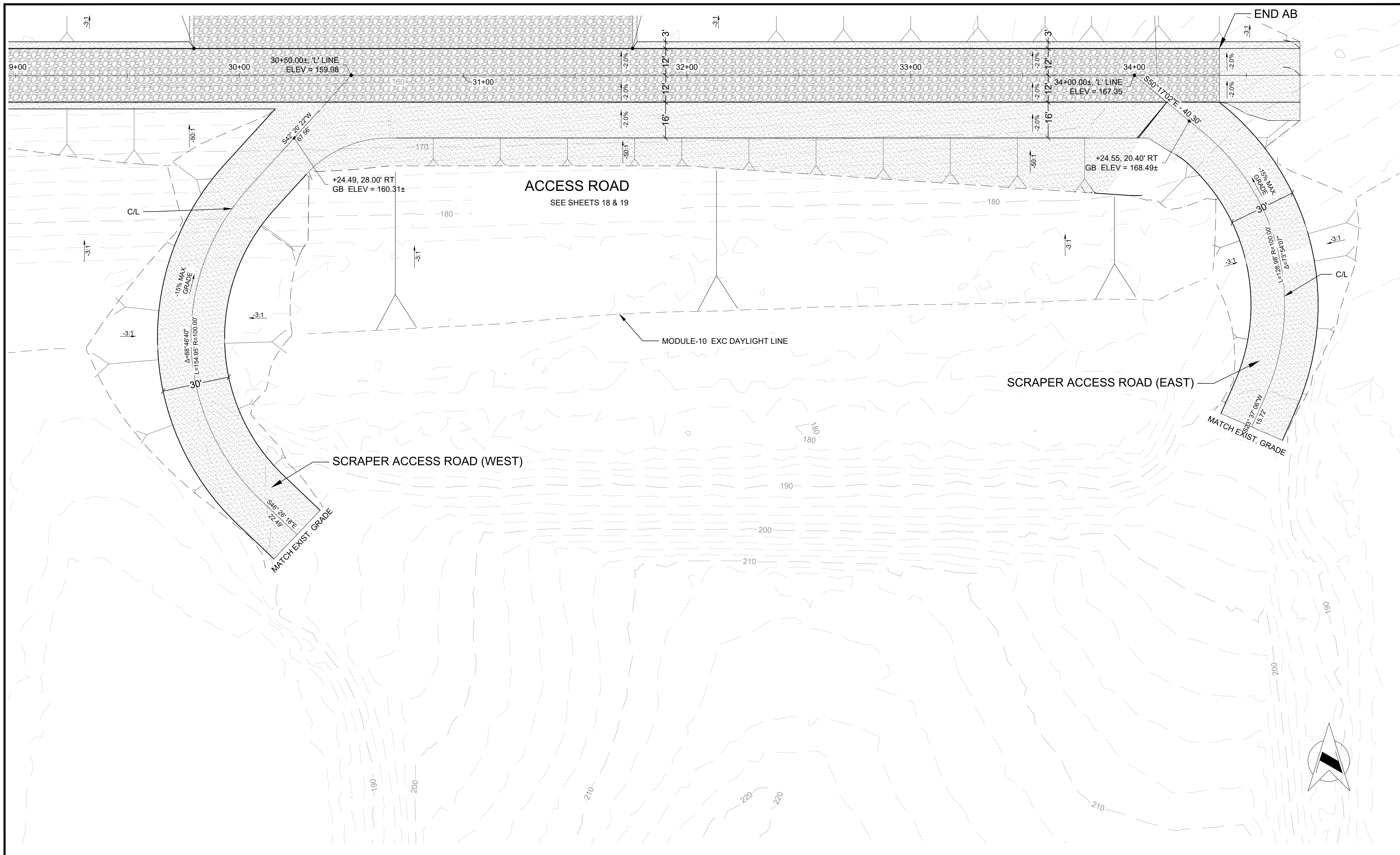
  
 SUPERVISING ENGINEER  
 01/08/2024  
 DATE



PROJECT  
**AMERICAN AVENUE DISPOSAL SITE**  
 PHASE III - MODULES 9 & 10  
 Road No. N/A Bridge No. N/A



DEPARTMENT OF PUBLIC WORKS AND PLANNING  
**ACCESS ROAD PLAN & PROFILE**  
 Drawing No. 11327 Sheet No. 19 Total 30



|                                  |                     |
|----------------------------------|---------------------|
| DESIGNED <u>D. KWAN</u>          | DATE <u>04/2023</u> |
| DRAWN <u>D. KWAN, J. DONMYER</u> | DATE <u>04/2023</u> |
| CHECKED <u>S. ARTAL</u>          | DATE <u>12/2023</u> |
| REVISION                         |                     |

FOR R/W DATA AND ACCURATE ACCESS DETERMINATION SEE R/W RECORDS AT PUBLIC WORKS

Scale in Feet

HORIZ 0 20 40

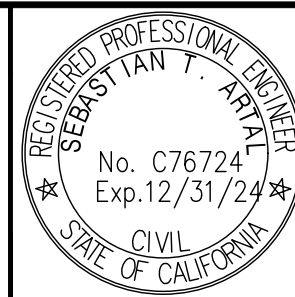
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*[Signature]*

SUPERVISING ENGINEER

01/08/2024

DATE



PROJECT

**AMERICAN AVENUE DISPOSAL SITE**

PHASE III - MODULES 9 & 10

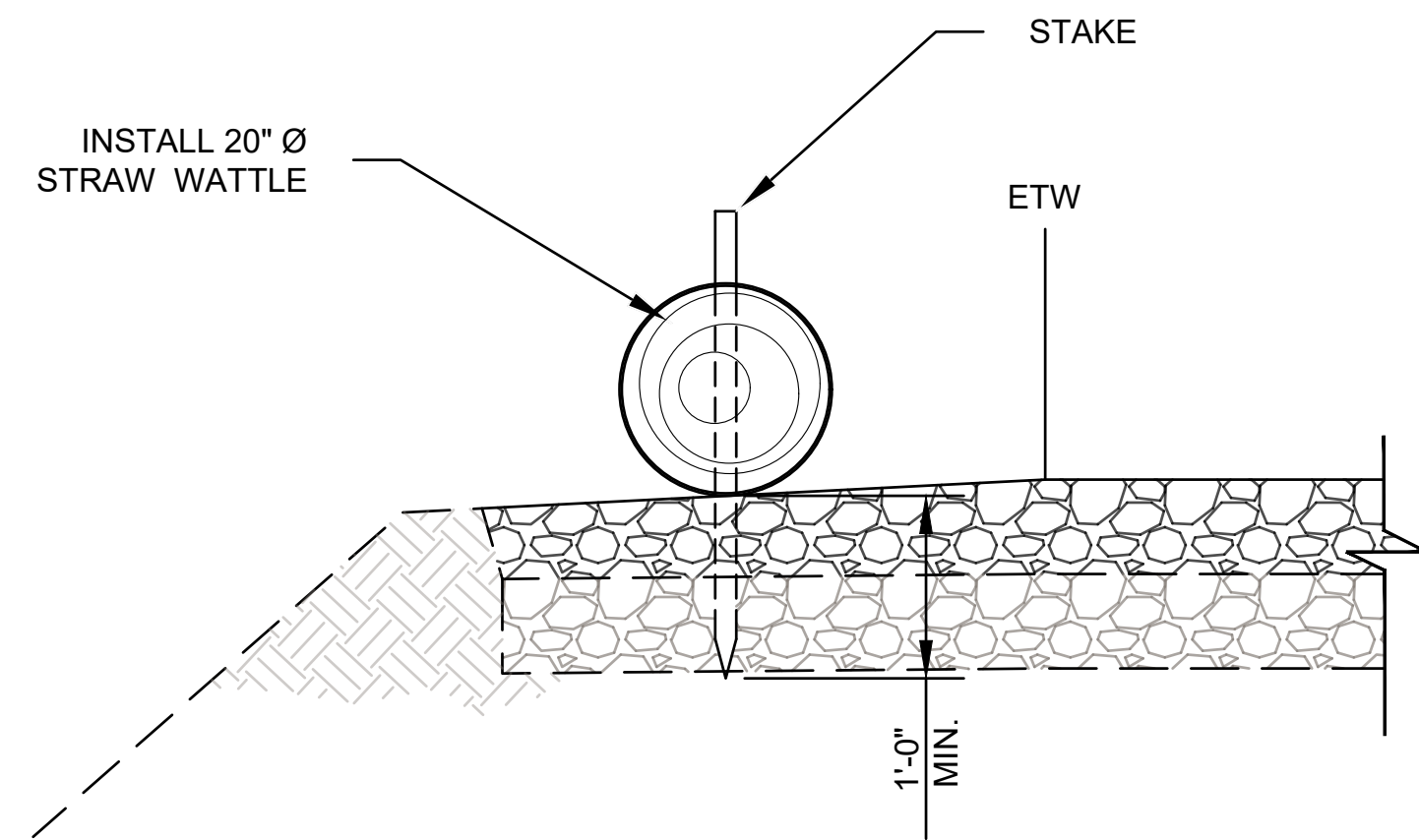
Road No. N/A Bridge No. N/A



DEPARTMENT OF PUBLIC WORKS AND PLANNING

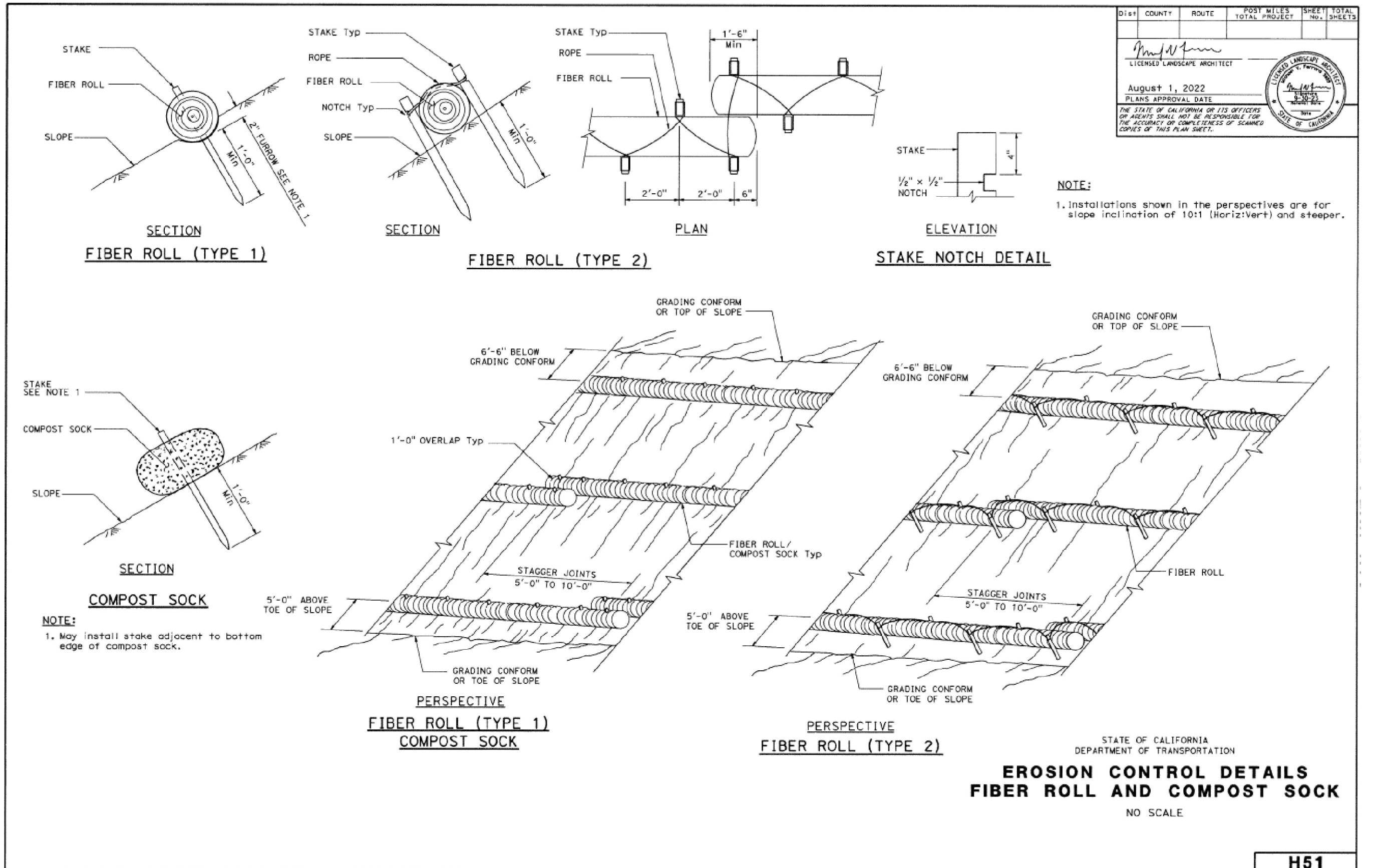
**SCRAPER ACCESS PLAN**

Drawing No. 11327 Sheet No. 20 Total 30



21  
1

DETAIL - STRAW WATTLE



EROSION CONTROL DETAILS  
FIBER ROLL AND COMPOST SOCK  
NO SCALE

H51

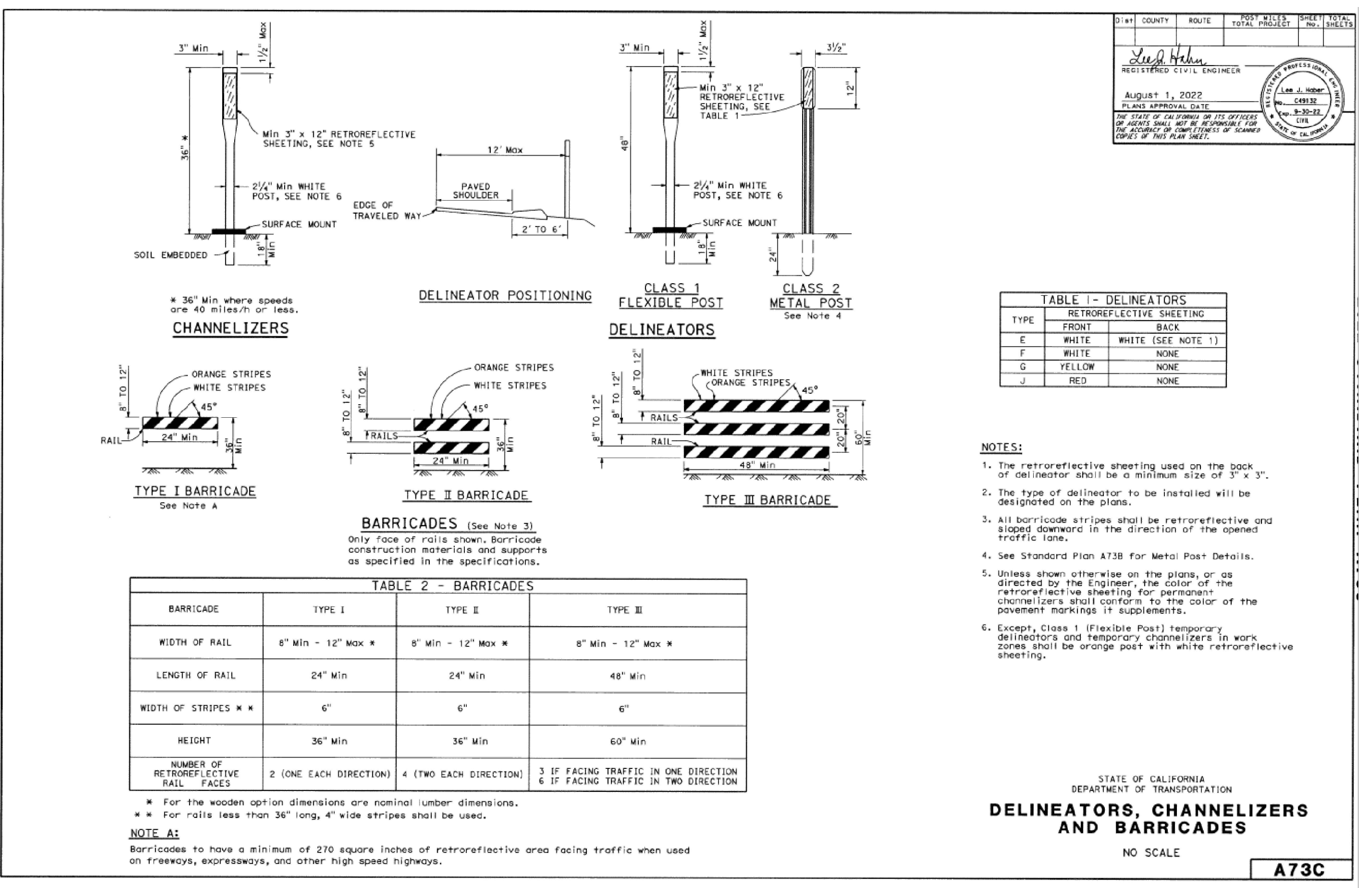


TABLE 1 - DELINEATORS

| TYPE | FRONT  | BACK               |
|------|--------|--------------------|
| E    | WHITE  | WHITE (SEE NOTE 1) |
| F    | WHITE  | NONE               |
| G    | YELLOW | NONE               |
| J    | RED    | NONE               |

TABLE 2 - BARRICADES

| BARRICADE                            | TYPE I                 | TYPE II                | TYPE III   |
|--------------------------------------|------------------------|------------------------|--|
| WIDTH OF RAIL                        | 8" Min - 12" Max *     | 8" Min - 12" Max *     | 8" Min - 12" Max *   |
| LENGTH OF RAIL                       | 24" Min                | 24" Min                | 48" Min  |
| WIDTH OF STRIPES * x                 | 6"                     | 6"                     | 6"   |
| HEIGHT                               | 36" Min                | 36" Min                | 60" Min  |
| NUMBER OF RETROREFLECTIVE RAIL FACES | 2 (ONE EACH DIRECTION) | 4 (TWO EACH DIRECTION) | 3 IF FACING TRAFFIC IN ONE DIRECTION<br>6 IF FACING TRAFFIC IN TWO DIRECTION |

- NOTES:
- The retroreflective sheeting used on the back of delineator shall be a minimum size of 3" x 3".
  - The type of delineator to be installed will be designated on the plans.
  - All barricade stripes shall be retroreflective and sloped downward in the direction of the opened traffic lane.
  - See Standard Plan A73B for Metal Post Details.
  - Unless shown otherwise on the plans, or as directed by the Engineer, the color of the retroreflective sheeting for permanent channelizers shall conform to the color of the pavement markings it supplements.
  - Except, Class 1 (Flexible Post) temporary delineators and temporary channelizers in work zones shall be orange post with white retroreflective sheeting.

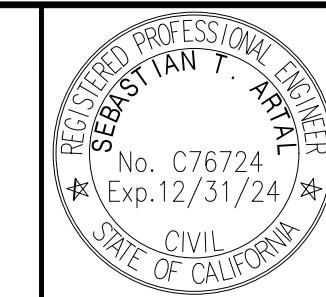
DELINEATORS, CHANNELIZERS AND BARRICADES  
NO SCALE

A73C

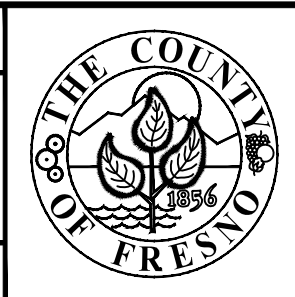
DESIGNED *D. KWAN* DATE *04/2023*  
DRAWN *D. KWAN, J. DONMYER* DATE *04/2023*  
CHECKED *S. ARTAL* DATE *12/2023*

Scale in Feet  
*N.T.S.*

*[Signature]*  
SUPERVISING ENGINEER  
01/08/2024  
DATE

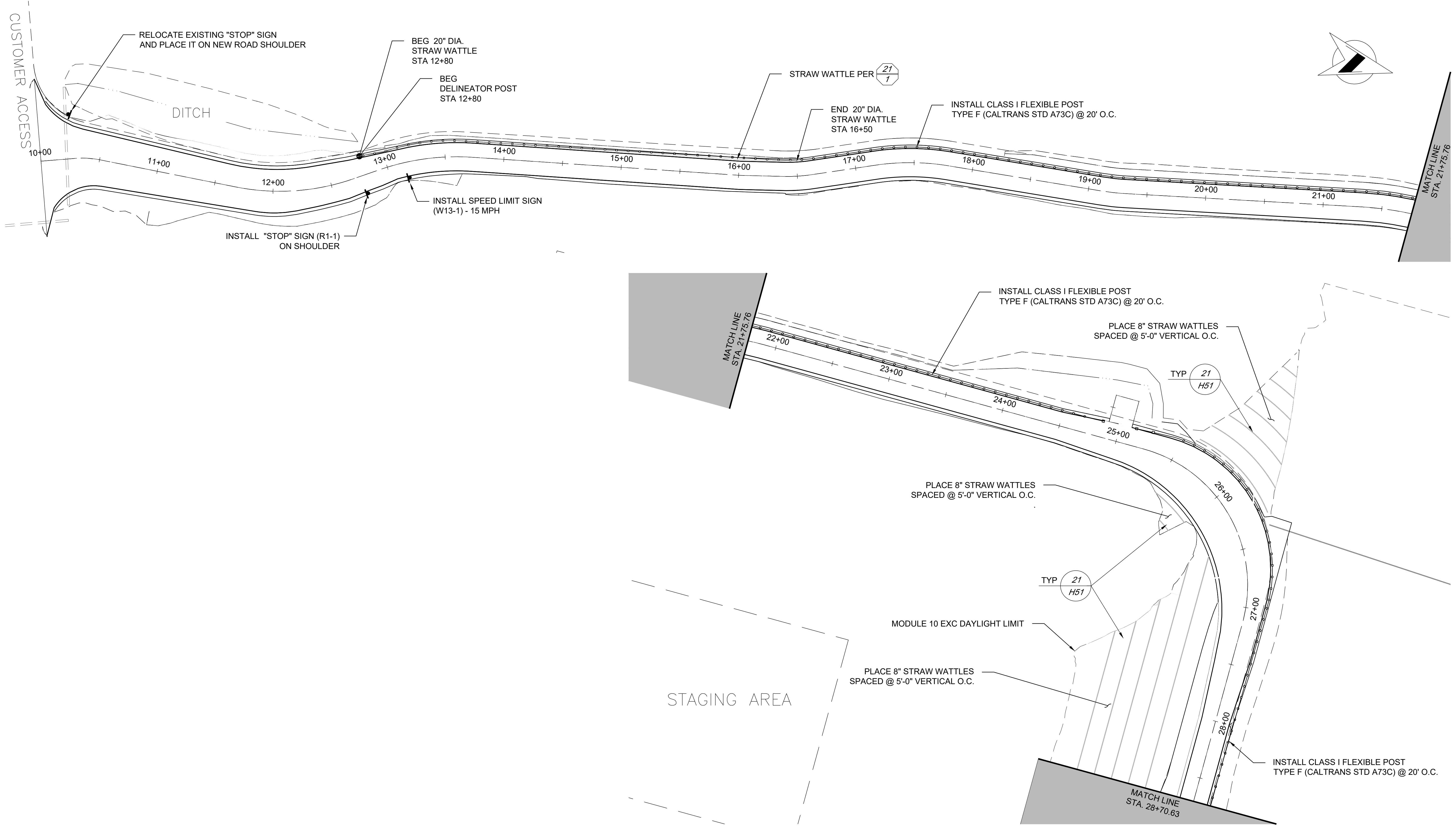


PROJECT  
**AMERICAN AVENUE DISPOSAL SITE  
PHASE III - MODULES 9 & 10**  
Road No. *N/A* Bridge No. *N/A*



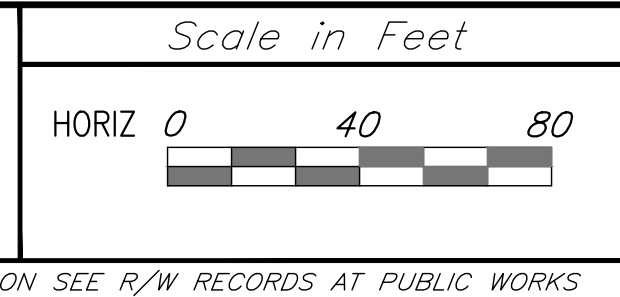
DEPARTMENT OF PUBLIC WORKS AND PLANNING  
**CONSTRUCTION DETAILS**  
Drawing No. *11327* Sheet No. *21* Total *30*

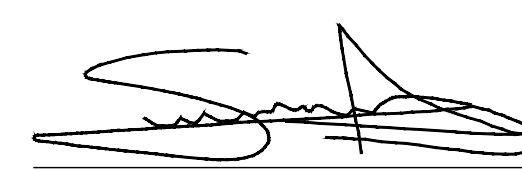
REVISION FOR R/W DATA AND ACCURATE ACCESS DETERMINATION SEE R/W RECORDS AT PUBLIC WORKS



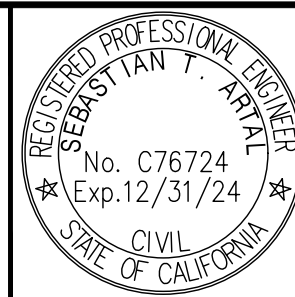
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|----------------------------------|---------------------|
| DESIGNED <u>D. KWAN</u>          | DATE <u>04/2023</u> |
| DRAWN <u>D. KWAN, J. DONMYER</u> | DATE <u>04/2023</u> |
| CHECKED <u>S. ARTAL</u>          | DATE <u>12/2023</u> |
| REVISION                         |                     |

FOR R/W DATA AND ACCURATE ACCESS DETERMINATION SEE R/W RECORDS AT PUBLIC WORKS



  
SUPERVISING ENGINEER

01/08/2024  
DATE



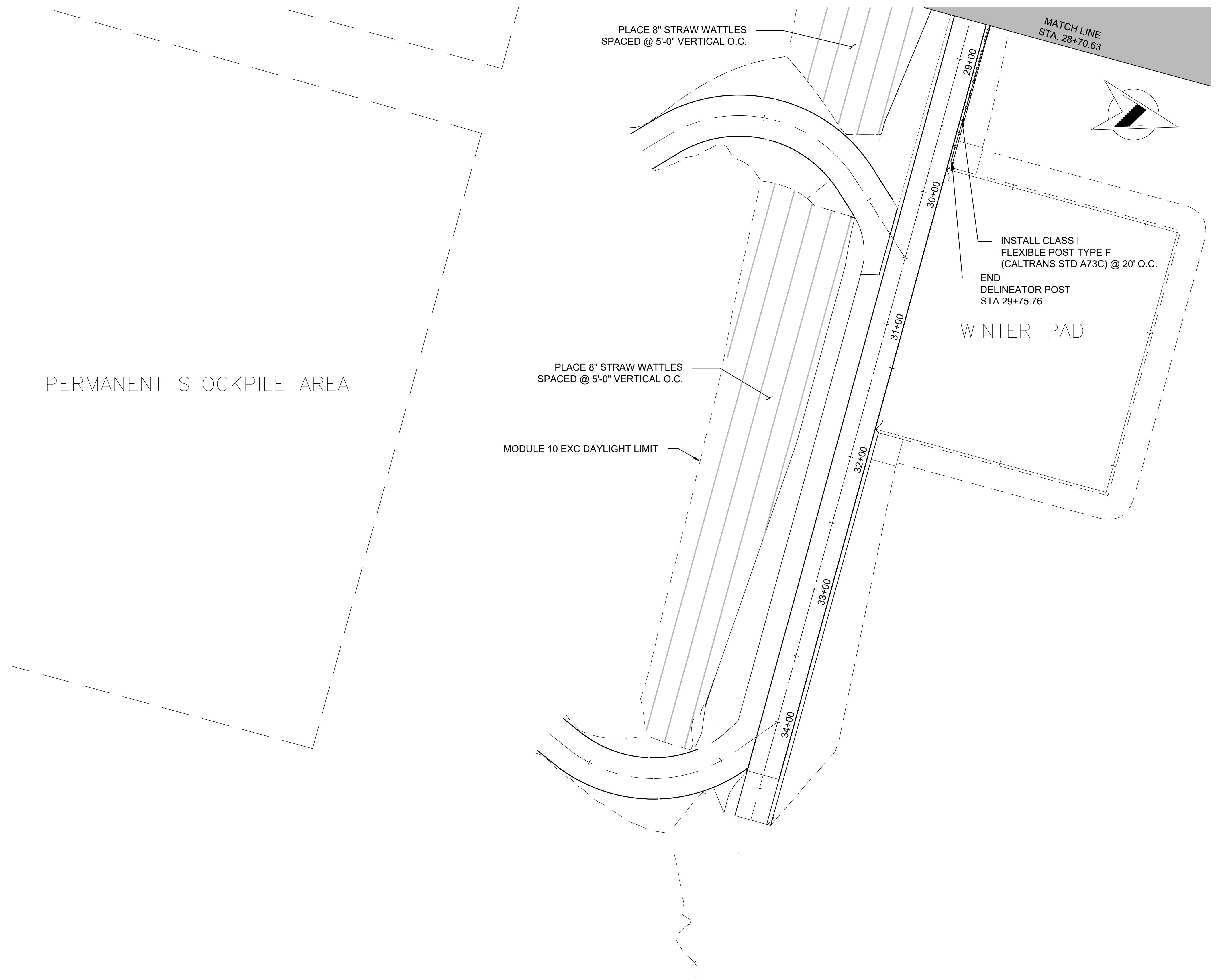
PROJECT  
**AMERICAN AVENUE DISPOSAL SITE  
PHASE III - MODULES 9 & 10**

Road No. N/A Bridge No. N/A



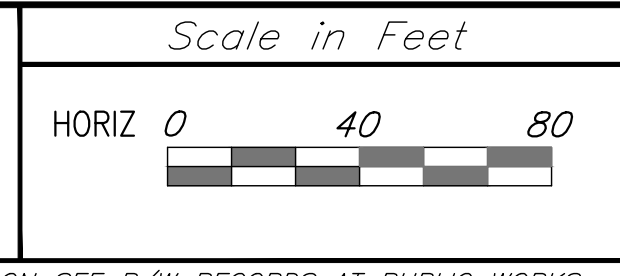
DEPARTMENT OF PUBLIC WORKS AND PLANNING  
**EROSION CONTROL & SIGNING  
PLAN**

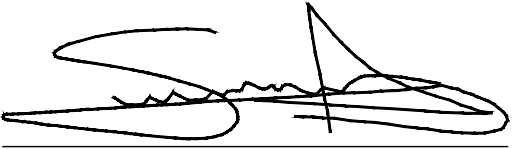
Drawing No. 11327 Sheet No. 22 Total 30

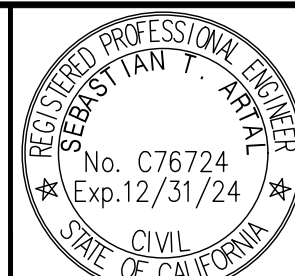


DESIGNED D. KWAN DATE 04/2023  
 DRAWN D. KWAN, J. DONMYER DATE 04/2023  
 CHECKED S. ARTAL DATE 12/2023

FOR R/W DATA AND ACCURATE ACCESS DETERMINATION SEE R/W RECORDS AT PUBLIC WORKS



  
 SUPERVISING ENGINEER  
 01/08/2024  
 DATE

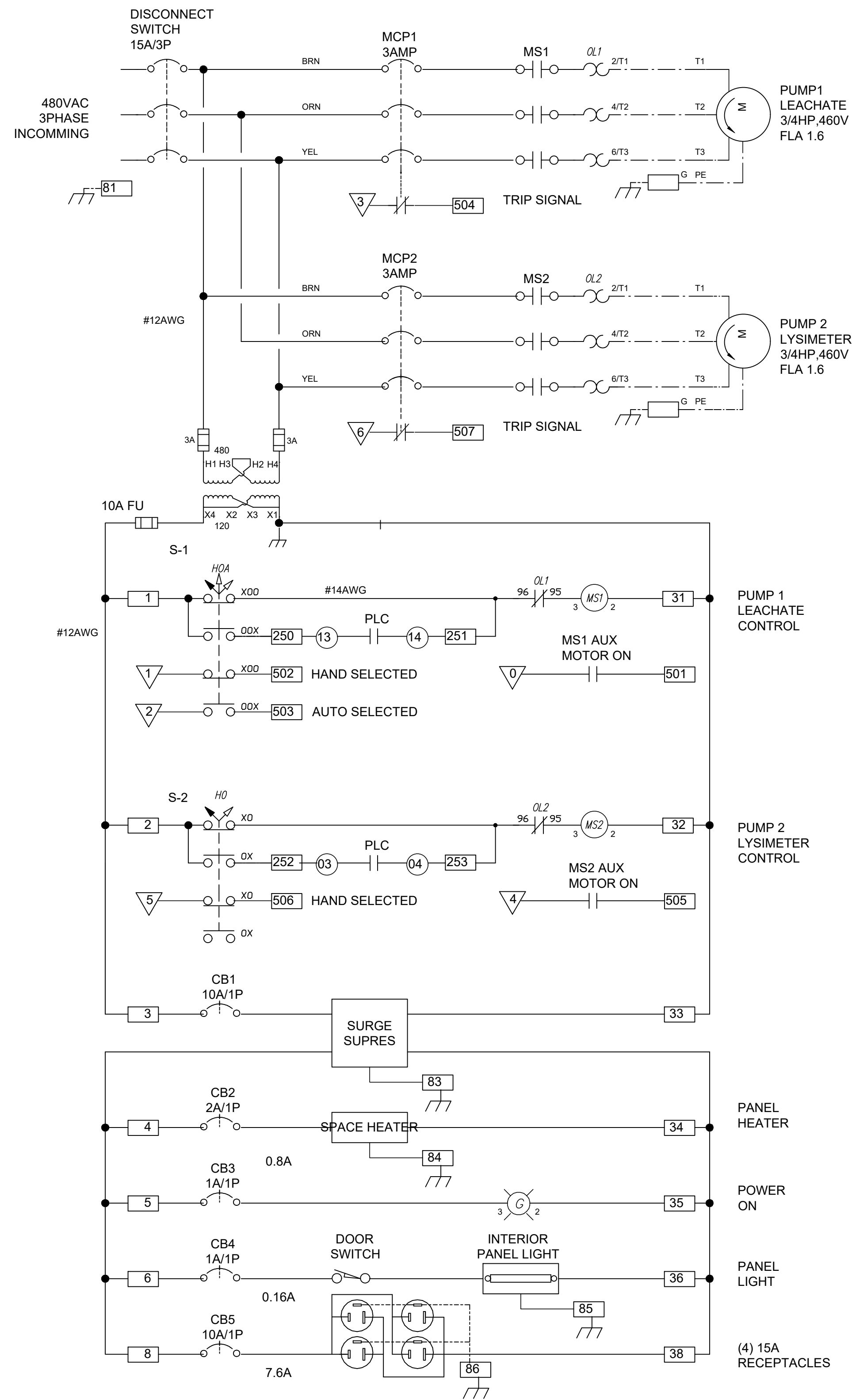


PROJECT  
**AMERICAN AVENUE DISPOSAL SITE**  
**PHASE III - MODULES 9 & 10**  
 Road No. N/A Bridge No. N/A

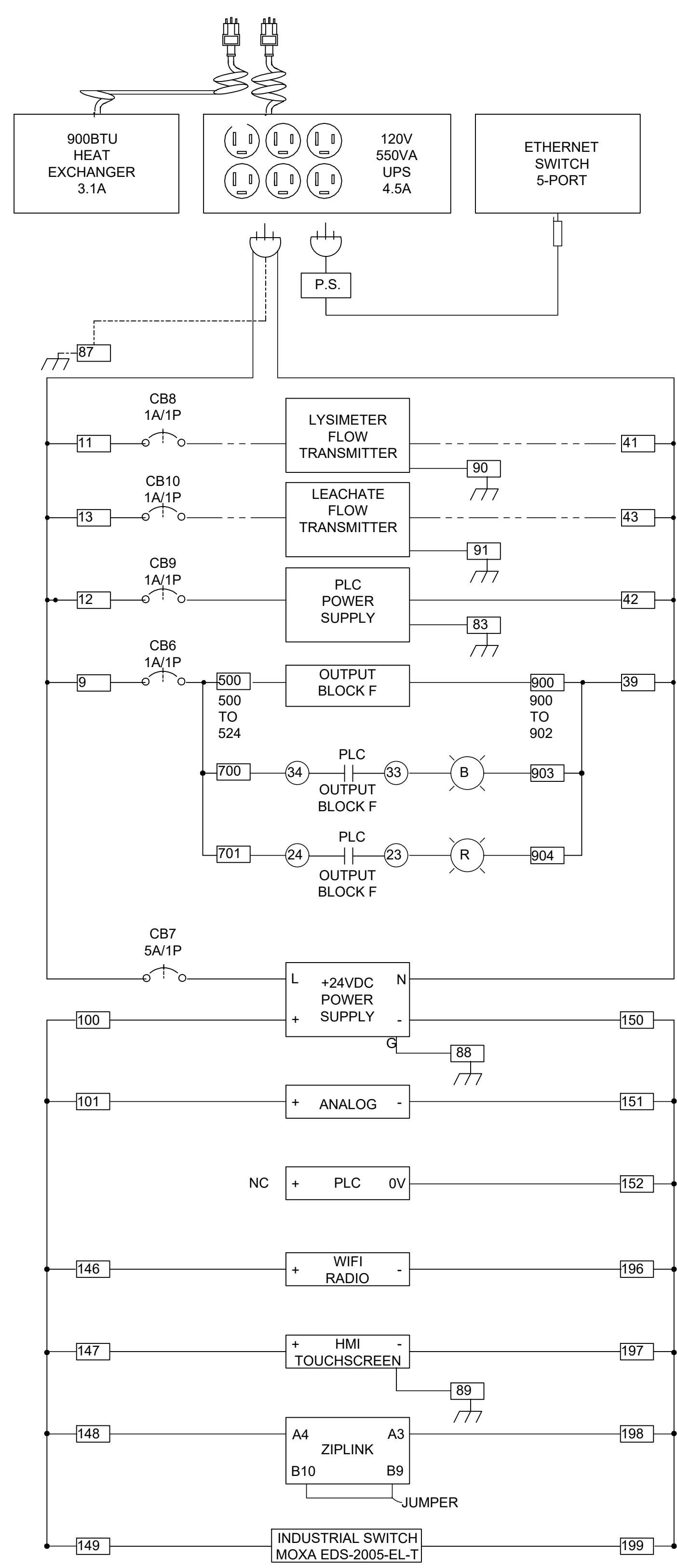


DEPARTMENT OF PUBLIC WORKS AND PLANNING  
**EROSION CONTROL & SIGNING PLAN**  
 Drawing No. 11327 Sheet No. 23 Total 30

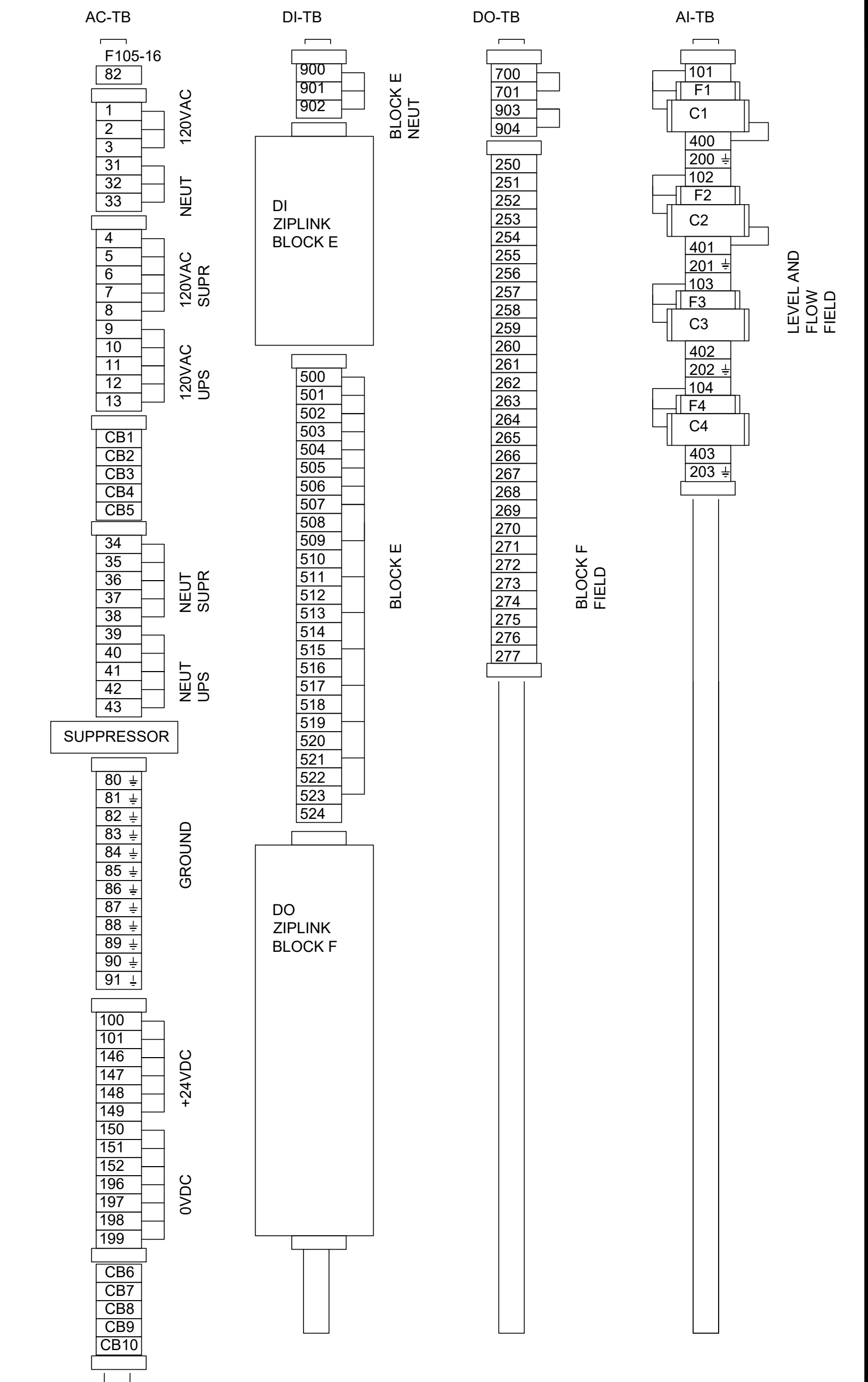




**1 CONTROL DIAGRAM - 1**  
 N.T.S.

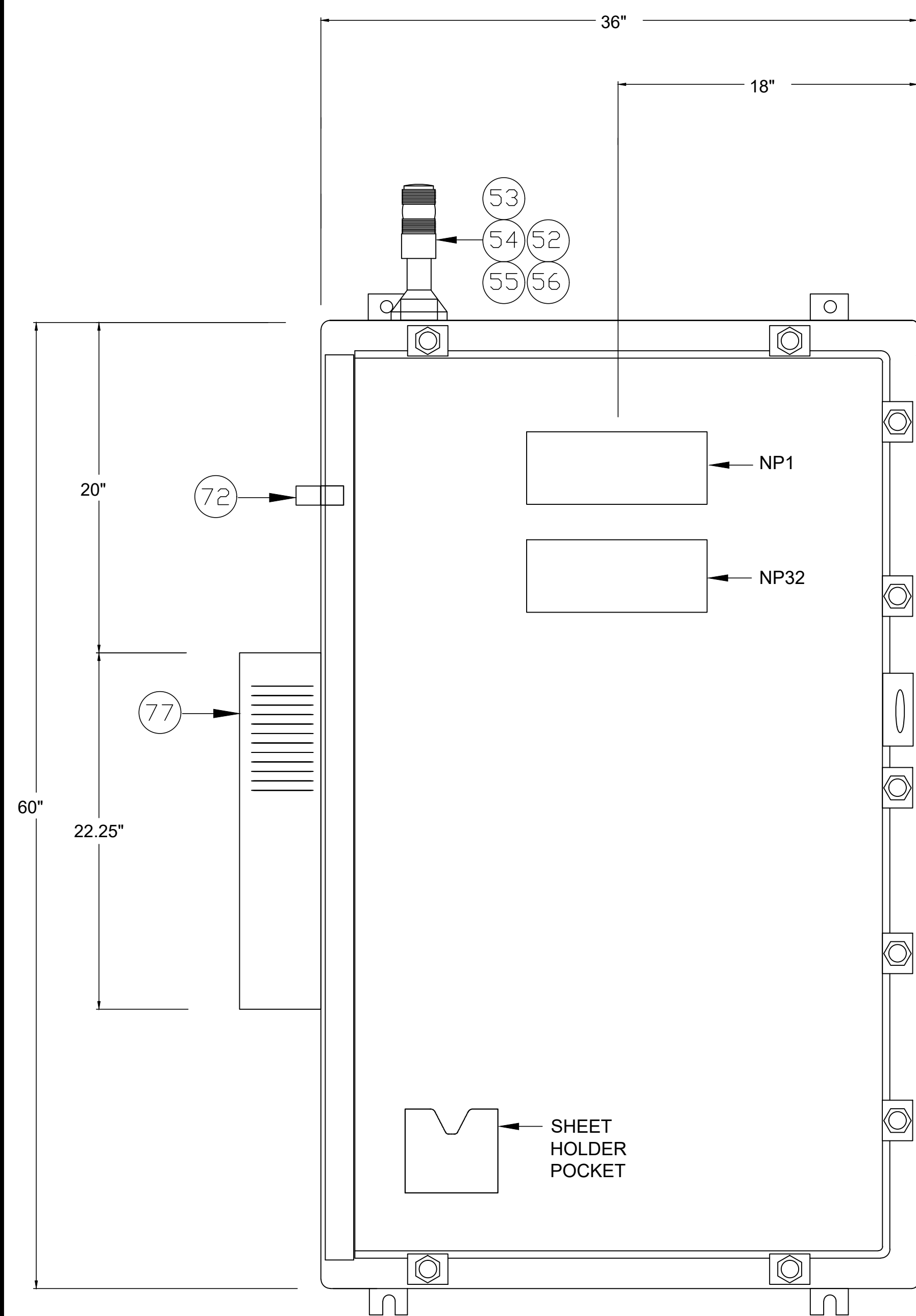


- 147 DIN MOUNTED TERMINAL
- 34 ZIPLINK BLOCK F TERMINAL
- 5 ZIPLINK BLOCK E TERMINAL



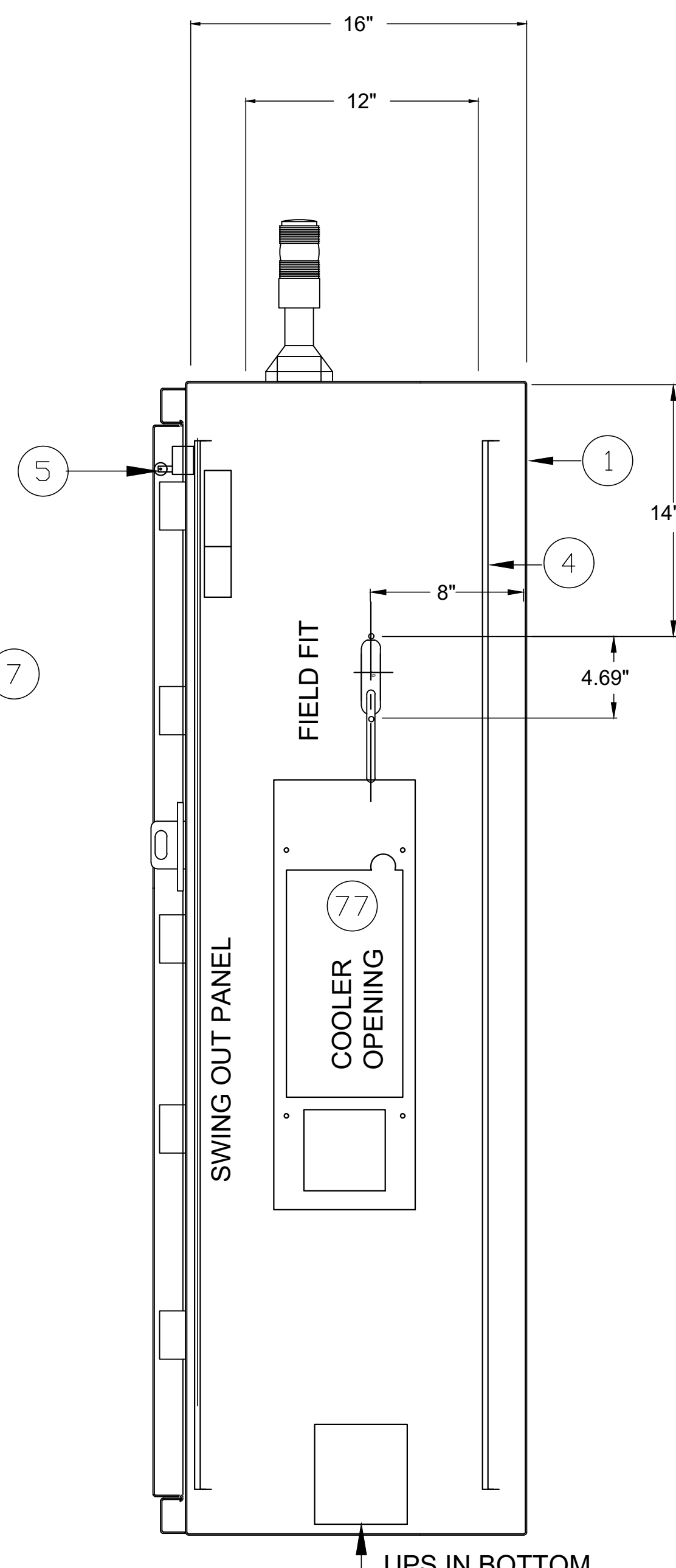
**2 TERMINAL LAYOUT**  
 N.T.S.





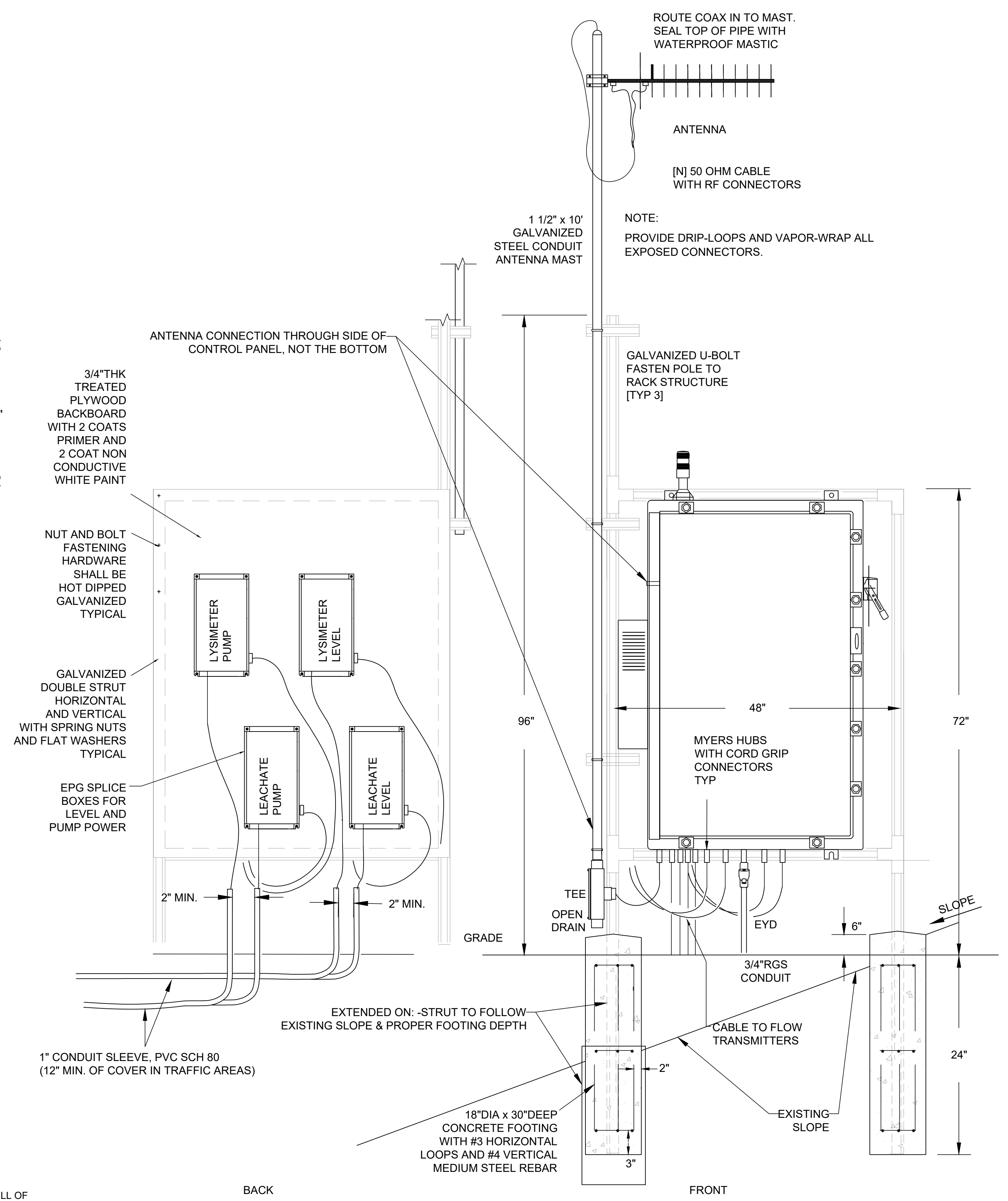
FRONT

**6 SUMP PUMP CONTROL ENCLOSURE**  
DIMENSIONS ARE IN INCHES



SIDE

NOTES:  
1. NUMBERED CIRCLES REFER TO ITEM COLUMN IN BILL OF MATERIALS ON SHEET 29.




BACK

**7 SUMP PUMP CONTROL ENCLOSURE**  
DIMENSIONS ARE IN INCHES

|              |               |
|--------------|---------------|
| DESIGNED SAH | DATE 01/09/24 |
| DRAWN SMD    | DATE 01/09/24 |
| CHECKED JVR  | DATE 01/09/24 |

| RECORD DRAWING    |      |
|-------------------|------|
| RESIDENT ENGINEER | DATE |

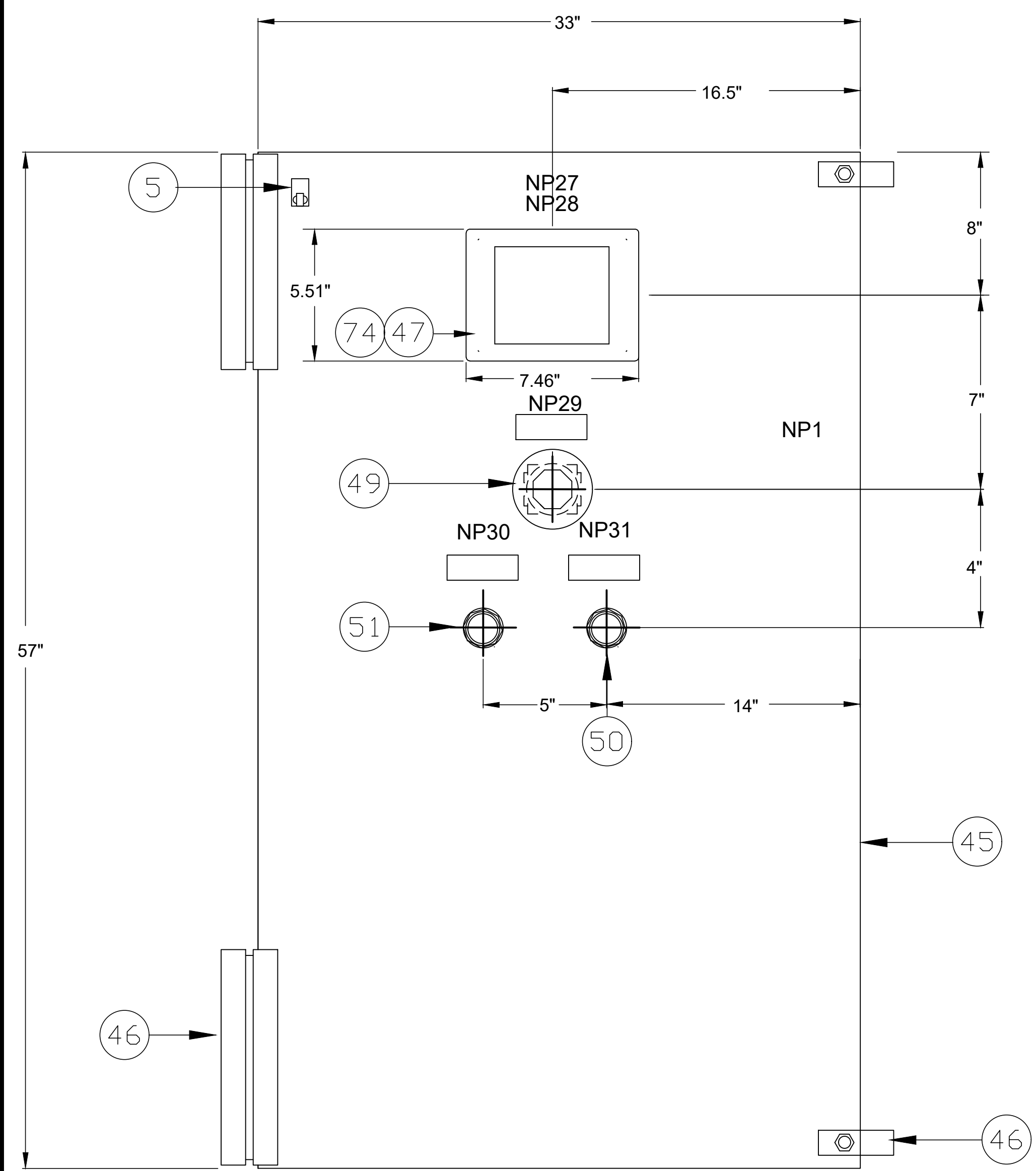
| Scale in Feet |
|---------------|
| As Shown      |

  
 RECORD ENGINEER  
**JACOB RUSSELL, PE C64512**

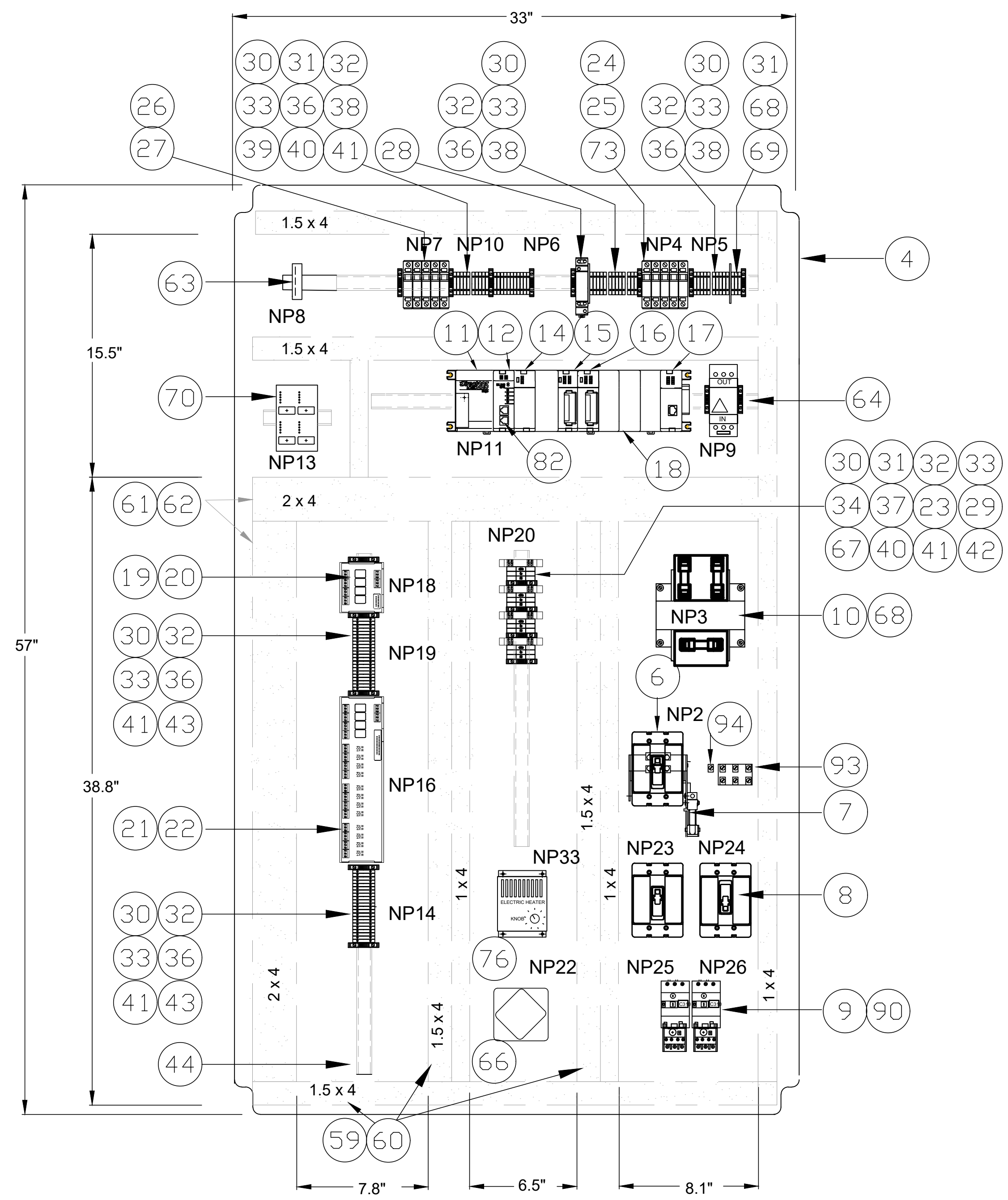
|   |
|---|
| PROJECT   |
| AMERICAN AVENUE DISPOSAL SITE<br>PHASE III - MODULES 9 & 10 |



|   |
|---|
| DEPARTMENT OF PUBLIC WORKS AND PLANNING       |
| CONTROL RACK DETAIL                           |
| Drawing No. 11327    Sheet No. 26    Total 30 |



SWING OUT PANEL LAYOUT



BACK PANEL LAYOUT

9 PANEL WIRE SCHEDULE

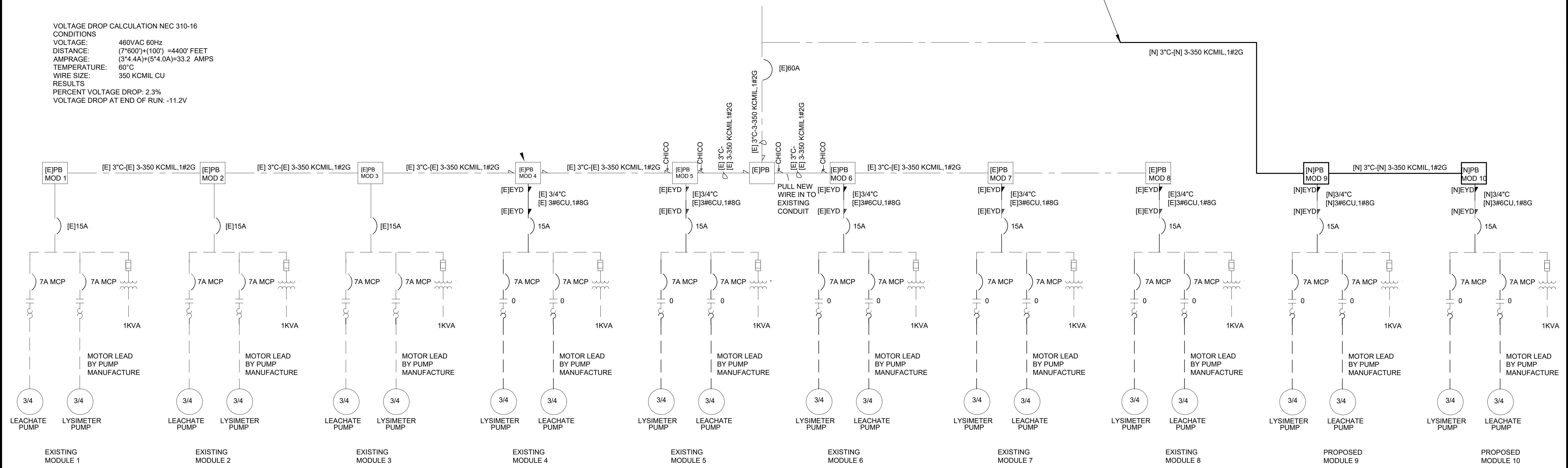
| POWER/SIGNAL         | USE        | COLOR  | SIZE          |
|----------------------|------------|--------|---------------|
| 480VAC               | PHASE A    | BROWN  | #12 MINIMUM   |
|                      | PHASE B    | ORANGE | #12 MINIMUM   |
|                      | PHASE C    | YELLOW | #12 MINIMUM   |
|                      | GROUND     | GREEN  | #12 MINIMUM   |
| 120VAC               | LINE       | BLACK  | #12 MINIMUM   |
|                      | NEUTRAL    | WHITE  | #12 MINIMUM   |
|                      | GROUND     | GREEN  | #12 MINIMUM   |
| CONTROL<br>120VAC    | UNSWITCHED | BLACK  | #14           |
|                      | SWITCHED   | RED    | #14           |
|                      | RETURN     | WHITE  | #14           |
| 24VDC                | UNSWITCHED | BLUE   | #16           |
|                      | SWITCHED   | BLUE   | #18           |
|                      | RETURN     | BLUE   | #18           |
| INSTRUMENT<br>ANALOG | +          | RED    | #18 AWG TWIST |
|                      | -          | BLACK  | #18 AWG TWIST |
|                      | SH         | CLEAR  | SHIELDED PAIR |

8 SUMP PUMP CONTROL PANEL  
DIMENSIONS ARE IN INCHES

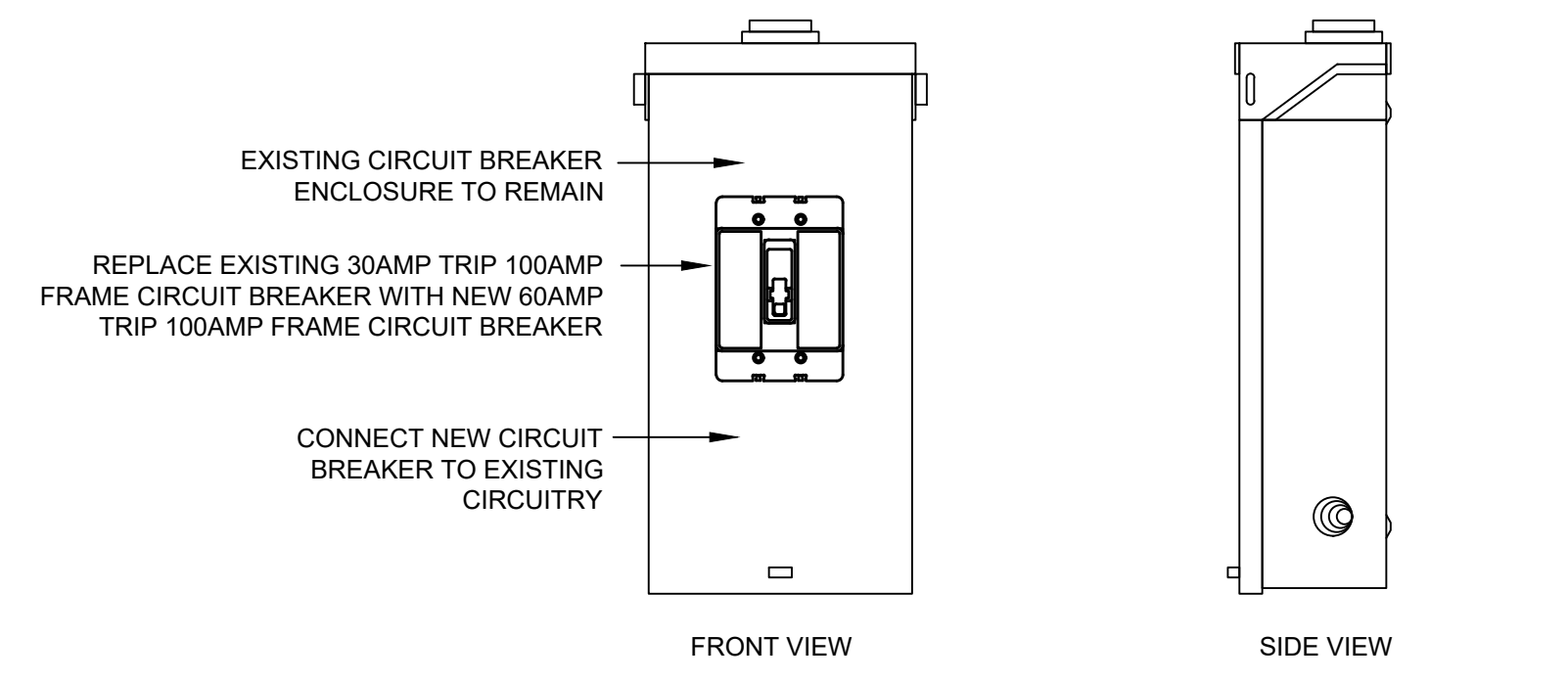
NOTES:  
1. NUMBERED CIRCLES REFER TO ITEM COLUMN IN BILL OF MATERIALS ON SHEET 29.

VOLTAGE DROP CALCULATION NEC 310-16  
 CONDITIONS  
 VOLTAGE: 480VAC 60Hz  
 DISTANCE: (7'600")+(100') = 4400' FEET  
 AMPRAGE: (3\*4.4A)+(5\*4.0A)=33.2 AMPS  
 TEMPERATURE: 60°C  
 WIRE SIZE: 350 KCMIL CU  
 RESULTS  
 PERCENT VOLTAGE DROP: 2.3%  
 VOLTAGE DROP AT END OF RUN: -11.2V

CONNECT TO EXISTING ELECTRICAL PULL BOX



10 SINGLE LINE DIAGRAM  
 N.T.S



11 60 AMP MAIN BREAKER DETAIL  
 N.T.S

- ABBREVIATIONS:**
- A AMP
  - AC ALTERNATING CURRENT
  - AWG AMERICAN WIRE GAUGE
  - C CONDUIT
  - DC DIRECT CURRENT
  - DIA DIAMETER
  - [E] EXISTING
  - EYD CONDUIT SEAL WITH DRAIN
  - G GROUND
  - FQIT FLOW METER
  - HZ HERTZ
  - KCMIL THOUSAND CIRCULAR MILS
  - KVA KILO-VOLT-AMPS
  - MCP MOTOR CIRCUIT PROTECTOR
  - MIN MINIMUM
  - MOD MODULE
  - NEC NATIONAL ELECTRICAL CODE
  - NP NAMEPLATE
  - NTS NOT TO SCALE
  - [N] NEW
  - PB PULL BOX
  - 0 NEMA SIZE 0 STARTER
  - SHLD SHIELD
  - THK THICK
  - TW TWISTED
  - TYP TYPICAL
  - UPS UNINTERRUPTIBLE POWER SOURCE
  - V VOLT
- NEW UNDERGROUND CONDUIT OR CABLE  
 EXISTING UNDERGROUND CONDUIT WITH NEW CIRCUITRY  
 EXISTING UNDERGROUND CONDUIT WITH OLD CIRCUITRY

|              |               |                   |      |               |                          |                               |  |   |
|--------------|---------------|-------------------|------|---------------|--------------------------|-------------------------------|--|---|
| DESIGNED SAH | DATE 01/09/24 | RECORD DRAWING    |      | Scale in Feet |                          | PROJECT                       |  | DEPARTMENT OF PUBLIC WORKS AND PLANNING |
| DRAWN SMD    | DATE 01/09/24 | RESIDENT ENGINEER | DATE | As Shown      |                          | AMERICAN AVENUE DISPOSAL SITE |  | SINGLE LINE DIAGRAM                     |
| CHECKED JVR  | DATE 01/09/24 |                   |      |               |                          | PHASE III - MODULES 9 & 10    |  |   |
| REVISION     |               |                   |      |               | RECORD ENGINEER          | DATE 01/09/24                 |  | Drawing No. 11327 Sheet No. 28 Total 30 |
|              |               |                   |      |               | JACOB RUSSELL, PE C64512 |                               |  |   |

**BILL OF MATERIALS**

SUMP CONTROL PANEL ONLY

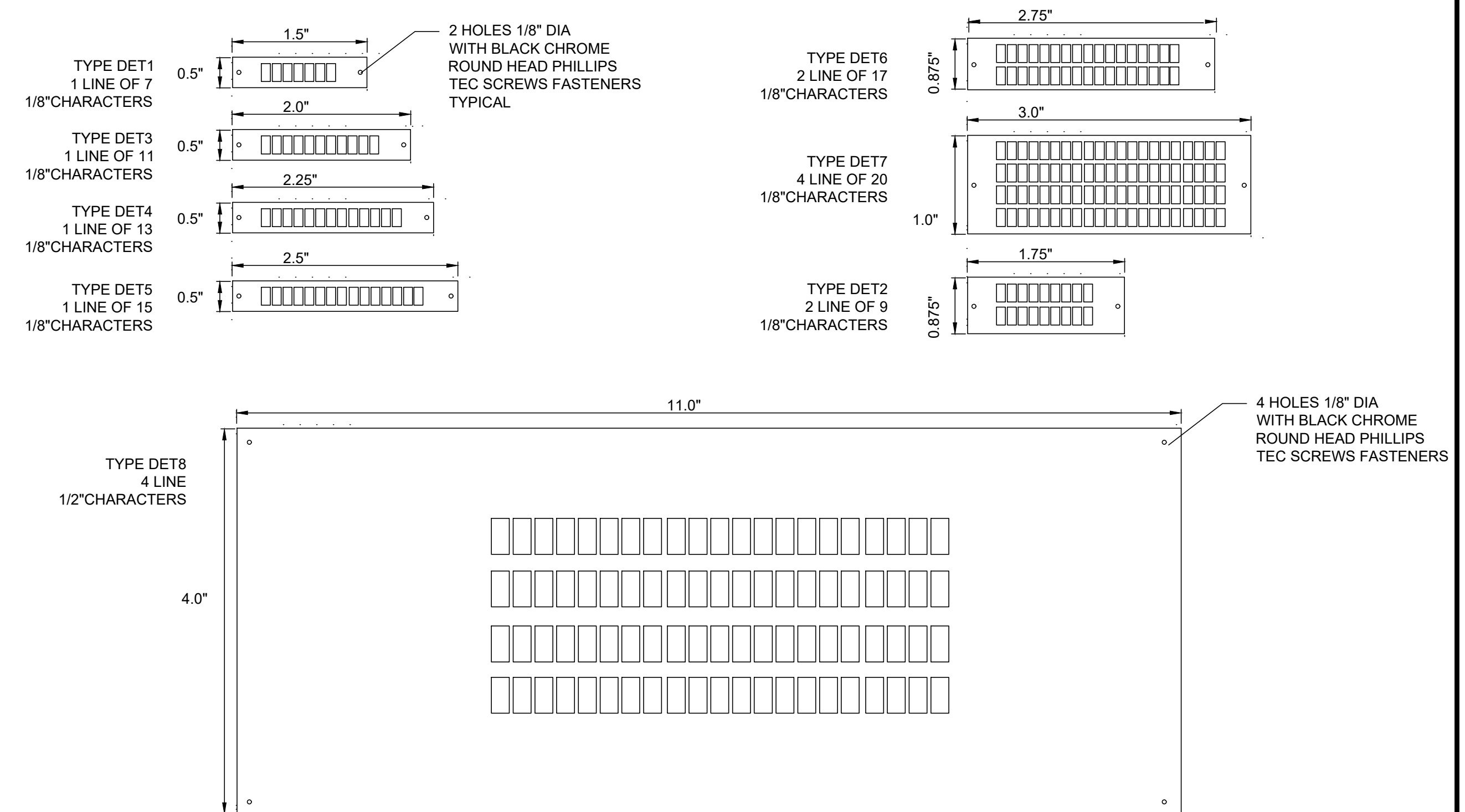
**NAME PLATE SCHEDULE**

FOR SUMP CONTROL PANEL

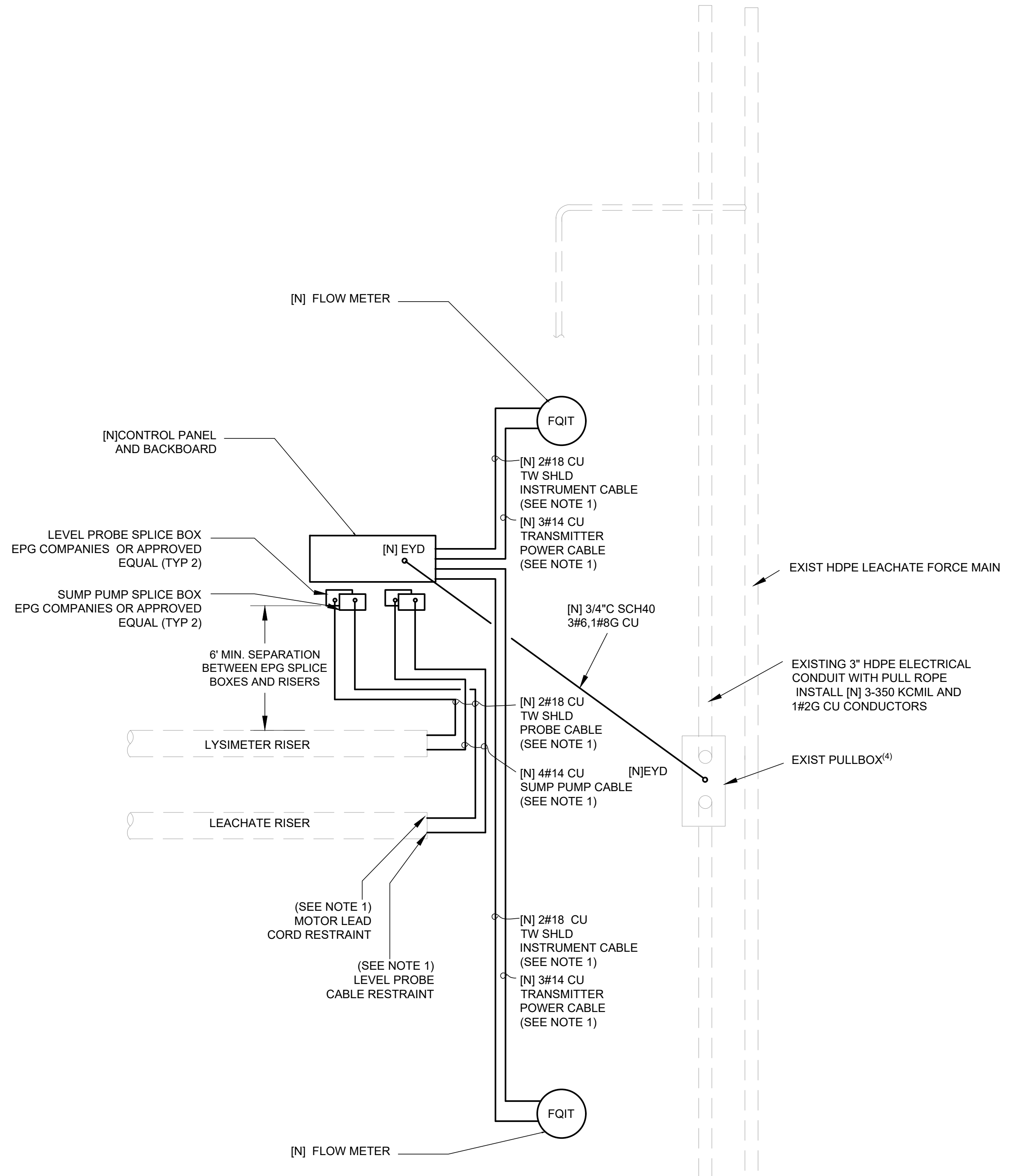
| ITEM | QUAN     | DESCRIPTION  | MANUFACTURER          | PART NUMBER           | REFERENCE                                   |
|------|----------|--|-----------------------|-----------------------|---|
| 1    | 2        | ENCLOSURE NEMA 4X 30"H x 24"W x 8"D                    | WIEGMANN              | SSN4603616            | STAINLESS STEEL                             |
| 2    | 3,000 FT | 350 KCMIL, PVC INSULATION 600 V RATED 90 C SINGLE CORE | ANIXTER OR EQUIVALENT | 6G-35001              | (FOR INFORMATION ONLY; PAY ITEM AS DESCRIBE |
| 2.1  | 1,000 FT | #2 AWG, PVC INSULATION 600 V RATED 90 C                | ANIXTER OR EQUIVALENT | 6G-0201.02            | IN THE TECHNICAL SPECIFICATIONS)            |
| 3    | 1        | PANEL LIGHT WITH F8T5-CW LAMP                          | GRAINGER              | 2ZB94                 |   |
| 4    | 1        | MOUNTING BRACKET FOR PANEL LIGHT                       |                       |                       | FIELD FIT BRACKET                           |
| 5    | 1        | DOOR SWITCH  | MICROSWITCH           |                       |   |
| 6    | 1        | MOTOR CIRCUIT PROTECTOR 15A, 480VAC, 3PH               | EATON CUTTLER-HAMMER  | HMCPE0150C            |   |
| 7    | 1        | FLEX SHAFT DISCONNECT HANDLE AND OPERATOR              | EATON CUTTLER-HAMMER  | EHMF504               |   |
| 8    | 2        | MOTOR CIRCUIT PROTECTOR 3/4HP MOTOR, 480VAC, 3PH       | EATON CUTTLER-HAMMER  | HMCPE003A0C           |   |
| 9    | 2        | MOTOR STARTER AND OVERLOAD 3/4HP MOTOR                 | EATON CUTTLER-HAMMER  | XTAE007B10A2P4        |   |
| 10   | 1        | CONTROL TRANSFORMER 1KVA 480 TO 120V                   | AUTOMATION DIRECT     | PH1000MQMJ            |   |
| 10.1 | 1        | CONTROL TRANSFORMER PRI FUSE KIT                       | AUTOMATION DIRECT     | PFK3                  |   |
| 10.2 | 1        | CONTROL TRANSFORMER COVER                              | AUTOMATION DIRECT     | FG5                   |   |
| 11   | 1        | PLC 9 SLOT RACK WITH POWER SUPPLY                      | AUTOMATION DIRECT     | D2-09-B-1             |   |
| 12   | 1        | PLC PROCESSOR  | AUTOMATION DIRECT     | D2-262                |   |
| 13   |          | SPACE  |                       |                       |   |
| 14   | 1        | 8 CHANNEL ANALOG INPUT MODULE                          | AUTOMATION DIRECT     | F2-08AD-1             |   |
| 15   | 1        | 16 CHANNEL DISCRETE INPUT MODULE                       | AUTOMATION DIRECT     | D2-16NA               |   |
| 16   | 1        | 16 CHANNEL DISCRETE OUTPUT MODULE                      | AUTOMATION DIRECT     | D2-16TD2-2            |   |
| 17   | 1        | ETHERNET INTERFACE MODULE                              | AUTOMATION DIRECT     | H2-ECOM-100           |   |
| 18   | 1        | EMPTY SLOT FILLER                                      | AUTOMATION DIRECT     | D2-FILL               |   |
| 19   | 1        | ZIPLINK MODULAR FIELD WIRING TERMINAL STRIP            | AUTOMATION DIRECT     | ZL-RTB20              |   |
| 20   |          |  |                       |                       |   |
| 21   | 1        | ZIPLINK MODULAR FIELD WIRING TERMINAL STRIP            | AUTOMATION DIRECT     | ZL-RR16-24-1          |   |
| 22   | 2        | ZIPLINK MODULAR FIELD WIRING CABLE                     | AUTOMATION DIRECT     | ZL-D2CBL19            |   |
| 23   | 4        | ANALOG LOOP ISOLATION TERMINAL BLOCK                   | AUTOMATION DIRECT     | FC-11                 |   |
| 24   | 6        | CIRCUIT BREAKER 1 AMP, 120VAC, 9926 SERIES             | WEIDMULLER            | 9926251001            |   |
| 25   |          |  |                       |                       |   |
| 26   | 4        | CIRCUIT BREAKER 1 AMP, 24VDC, 9926 SERIES              | WEIDMULLER            | 9926251901            |   |
| 27   | 1        | CIRCUIT BREAKER 5 AMP, 24VDC, 9926 SERIES              | WEIDMULLER            | 9926251905            |   |
| 28   | 1        | POWER SUPPRESSOR WAVE FILTER 10AMP                     | WEIDMULLER            | 8614770000            |   |
| 29   | 8        | FUSED TERMINAL BLOCK 24VDC WS16                        | WEIDMULLER            | 1011000000            |   |
| 30   | 118      | FEED THRU TERMINAL BLOCK 12 THRU 22 WDU 2.5 GR         | WEIDMULLER            | 1037200000            |   |
| 31   | 20       | GROUNDING TERMINAL BLOCKS WPE 2.5                      | WEIDMULLER            | 1010000000            |   |
| 32   | 29       | END CLAMPS WEW-35/2                                    | WEIDMULLER            | 1061200000            |   |
| 33   | 10       | END COVER 2.5 - 10.0                                   | WEIDMULLER            | 1050000000            |   |
| 34   | 8        | END COVER FOR FUSED TERMINAL WAP 2.5 - 10              | WEIDMULLER            | 1050000000            |   |
| 35   |          | SPACE  |                       |                       |   |
| 36   | 10       | JUMPER FOR TERMINAL BLOCK WQV 2.5 / 10                 | WEIDMULLER            | 1054460000            |   |
| 37   | 1        | TERMINAL MARKER FOR FUSED TERMINAL BLOCK               | WEIDMULLER            | 1927520000            | BLANKS                                      |
| 38   | 2        | TERMINAL MARKER FOR TERMINAL BLOCK 1 - 49              | WEIDMULLER            | 1927520000 (1-49)     | CUSTOM PRINT NUMBER                         |
| 39   | 2        | TERMINAL MARKER FOR TERMINAL BLOCK 50 - 99             | WEIDMULLER            | 1927520000 (50-99)    | CUSTOM PRINT NUMBER                         |
| 40   | 2        | TERMINAL MARKER FOR TERMINAL BLOCK 100 - 149           | WEIDMULLER            | 1927520000 (100-149)  | CUSTOM PRINT NUMBER                         |
| 41   | 2        | TERMINAL MARKER FOR TERMINAL BLOCK 150 - 199           | WEIDMULLER            | 1927520000 (150-199)  | CUSTOM PRINT NUMBER                         |
| 42   | 2        | TERMINAL MARKER FOR TERMINAL BLOCK 200 - 249           | WEIDMULLER            | 1927520000 (200-249)  | CUSTOM PRINT NUMBER                         |
| 43   | 2        | TERMINAL MARKER FOR TERMINAL BLOCK 400 - 449           | WEIDMULLER            | 1927520000 (400-449)  | CUSTOM PRINT NUMBER                         |
| 44   | 2        | DIN RAIL, 35mm, STEEL                                  | WEIDMULLER            | T535X7.5/L1/62M/ST/ZN |   |
| 45   | 1        | SWING OUT PANEL, WHITE 57"H x 33"W                     | WIEGMANN              | NP6036                | FIELD FIT                                   |
| 46   | 1        | SWING OUT PANEL MOUNTING KIT                           | WIEGMANN              | WANADFK               | FIELD FIT                                   |
| 47   | 1        | 6" COLOR TFT SCREEN                                    | AUTOMATION DIRECT     | EA9-T6CL              |   |
| 48   |          | SPACE  |                       |                       |   |
| 49   | 1        | WHITE PILOT LIGHT 22MM 120V                            | EATON CUTTLER-HAMMER  | EM22H5X92             |   |
| 50   | 1        | 2 POS SELECTOR, 22MM, 120V, 2NO/2NC                    | EATON CUTTLER-HAMMER  | E22X51D               |   |
| 51   | 1        | 3 POS SELECTOR, 22MM, 120V, 2NO/2NC                    | EATON CUTTLER-HAMMER  | E22XG81D              |   |
| 52   | 1        | STACK LIGHT BASE                                       | EATON CUTTLER-HAMMER  | E26BL                 |   |
| 53   | 1        | RED STACK LIGHT  | EATON CUTTLER-HAMMER  | E26B2V4               |   |
| 54   | 1        | BLUE STACK LIGHT                                       | EATON CUTTLER-HAMMER  | E26B6V4               |   |
| 55   | 1        | STACK LIGHT EXTENSION                                  | EATON CUTTLER-HAMMER  | E26BHM                |   |
| 56   | 1        | STACK LIGHT MOUNTING                                   | EATON CUTTLER-HAMMER  | E26S109               |   |
| 57   | 2        | WIREWAY 1"W x 4"H, GRAY                                | PANDUIT               | F1X4DG6               |   |
| 58   | 2        | WIREWAY 1" COVER                                       | PANDUIT               | C1DG6                 |   |
| 59   | 3        | WIREWAY 1.5"W x 4"H, GRAY                              | PANDUIT               | F1.5X4DG6             |   |
| 60   | 3        | WIREWAY 1.5" COVER                                     | PANDUIT               | C1.5DG6               |   |
| 61   | 1        | WIREWAY 2"W x 4"H, GRAY                                | PANDUIT               | F2X4DG6               |   |
| 62   | 6 FEET   | WIREWAY 2" COVER                                       | PANDUIT               | C2DG6                 |   |
| 63   | 1        | 24DC INDUSTRIAL UNMANGED SWITCH                        | MOXA                  | EDS-2005-EL-T         |   |
| 64   | 1        | 24VDC POWER SUPPLY                                     | IDEC                  | PSSRS24               |   |
| 65   | AS REQ   | CAT5 CABLE   | BELDEN                | 1533R                 |   |
| 66   | 1        | 4 PLEX RECEPTACLE 120V,15A                             | HUBBELL               | HBL415S               | BACK BOX REQUIRED                           |
| 67   | 8        | GLASS FUSE 1A  | BUSSMAN               | GMA-1-R               |   |
| 68   | 4        | FUSED TERMINAL 120V,10A, FOR CT SECONDARY              | BUSSMAN               | CH08-1DI              |   |
| 69   | 1        | FUSED BLOCKS 10A                                       | BUSSMAN               | LP-CC-10              |   |
| 70   | 1        | WIFI RADIO MODEM                                       | MOXA                  | AWK-3131 A-US-T       |   |
| 71   | 1        | EXTERNAL ANTENNA FOR RADIO                             | PACIFIC WIRELESS      | GD24-19P-NF           | LOCATE OUTSIDE PANEL                        |
| 72   | 1        | SURGE SUPPRESSOR                                       | POLYPHASER            | AL-LSXM               |   |
| 73   | 2        | CIRCUIT BREAKER 120V,10A 9926 SERIES                   | WEIDMULLER            | 992625 1010           |   |
| 74   | 1        | USB FLASH DRIVE 32 GB                                  | AUTOMATION DIRECT     | USB-FLASH             |   |
| 75   | 1        | 550VA UPS  | BELKIN                | F6H550-USB            |   |
| 76   | 1        | PANEL HEATER 100W                                      | HOFFMAN               | DAH1001A              |   |
| 77   | 1        | HEAT EXCHANGER 900BTU                                  | ICE QUBE              | IQ900-HE-CF-126       |   |
| 78   | 2        | COAX CONNECTOR   | TIMES MICROWAVE       | E2400NMH              |   |
| 79   | AS REQ   | COAX CABLE   | TIMES MICROWAVE       | LMR-400               |   |
| 80   | 1        | COLD SHRINK  | ANDREW CORP           | 245174                |   |
| 81   | 6 FEET   | COAX JUMPER CABLE ASSEMBLY, LMR195X3' (RP-SMA/N-MALE)  | TESSCO                | CUSTOM                |   |
| 82   | 2        | PLC BATTERY  | AUTOMATION DIRECT     | D2-BAT                |   |
| 83   |          | NOT IN SCOPE   |                       |                       | RADIO REPEATER                              |
| 84   |          | NOT IN SCOPE   |                       |                       | RADIO REPEATER                              |
| 85   |          | NOT IN SCOPE   |                       |                       | RADIO REPEATER                              |
| 86   |          | NOT IN SCOPE   |                       |                       | RADIO REPEATER                              |
| 87   |          | NOT IN SCOPE   |                       |                       | RADIO REPEATER                              |
| 88   |          | NOT IN SCOPE   |                       |                       | RADIO REPEATER                              |
| 89   |          | NOT IN SCOPE   |                       |                       | RADIO REPEATER                              |
| 90   | 2        | AUXILIARY CONTACT BLOCK FOR MCP                        | EATON CUTTLER-HAMMER  | AUX1A1BPK             |   |
| 91   |          |  |                       |                       |   |
| 92   |          |  |                       |                       |   |
| 93   | 1        | BASE MOUNT TERMINAL BLOCK,60A,3P                       | BUSSMANN              | KU030PWCMT            |   |
| 94   | 1        | GROUND BAR KIT, #14 TO #4CU                            | SQUARE D              | PK4GTA                |   |

**NAMEPLATE NOTES**

- NAMEPLATE: 1/16" THICK LAMINATED BAKELITE WAFER, BLACK FACE, WHITE CORE, DULL FINISH, VERTICAL GOTHIC LETTERS.
- ENGRAVED TEXT SHALL BE CENTER AND ALL LINES LINES SYMMETRICAL.
- NAMEPLATE EDGES SHALL BE CHAMFERED 1/16" AT 45 DEGREES.
- ADHESIVE MOUNTING, 3M #EC-847 OR EQUAL



|              |               |                   |      |                          |  |                               |  |   |  |
|--------------|---------------|-------------------|------|--------------------------|--|-------------------------------|--|---|--|
| DESIGNED SAH | DATE 01/09/24 | RECORD DRAWING    |      | Scale in Feet            |  | PROJECT                       |  | DEPARTMENT OF PUBLIC WORKS AND PLANNING |  |
| DRAWN SMD    | DATE 01/09/24 | RESIDENT ENGINEER | DATE | As Shown                 |  | AMERICAN AVENUE DISPOSAL SITE |  | BILL OF MATERIALS                       |  |
| CHECKED JVR  | DATE 01/09/24 |                   |      |                          |  | PHASE III - MODULES 9 & 10    |  |   |  |
| REVISION     |               |                   |      |                          |  |                               |  |   |  |
|              |               |                   |      | RECORD ENGINEER          |  | DATE 01/09/24                 |  | Drawing No. 11327 Sheet No. 29 Total 30 |  |
|              |               |                   |      | JACOB RUSSELL, PE C64512 |  |                               |  |   |  |



12 MODULE WIRING PLAN<sup>(3)</sup>  
N.T.S

- NOTES:
- CORD GRIPS: PROVIDE AND INSTALL LIQUID-TIGHT SEALED, STRAIN-RELIEF CONNECTORS FOR ALL TERMINATIONS OF PUMP, PROBE, AND INSTRUMENT CABLES TO PREVENT CABLE PULLOUT.
  - SEE SHEET 28 FOR LIST OF ABBREVIATIONS.
  - REFER TO SHEET 7 FOR ADDITIONAL SITE PLAN VIEW.
  - PRIOR TO PULLING IN THE CONDUCTORS, A SWAB WETTED WITH WIRE LUBE/PULL SOAP WILL BE PULLED THROUGH THE CONDUIT TO ENSURE NO ROCKS, DIRT OR DEBRIS IS IN THE CONDUIT. IF ANY FOREIGN MATERIAL IS FOUND, A CLEAN SWAB WILL BE PULLED THROUGH CONDUIT UNTIL ALL SIGNS OF FOREIGN DEBRIS HAVE BEEN REMOVED. THE 3-INCH CONDUITS SHALL BE BONDED TO THE GROUNDING CONDUCTOR USING CONDUIT HUBS WITH GROUNDING PROVISIONS. THE PULLBOX SHALL BE GROUNDED TO THE GROUNDING CONDUCTOR.

|              |                  |                   |      |               |   |                               |  |   |
|--------------|------------------|-------------------|------|---------------|---|-------------------------------|--|---|
| DESIGNED SAH | DATE<br>01/09/24 | RECORD DRAWING    |      | Scale in Feet |   | PROJECT                       |  | DEPARTMENT OF PUBLIC WORKS AND PLANNING |
| DRAWN SMD    | 01/09/24         | RESIDENT ENGINEER | DATE | As Shown      |   | AMERICAN AVENUE DISPOSAL SITE |  | ELECTRICAL SITE PLAN                    |
| CHECKED JVR  | 01/09/24         |                   |      |               |   | PHASE III - MODULES 9 & 10    |  |   |
| REVISION     |                  |                   |      |               | RECORD ENGINEER<br>JACOB RUSSELL, PE C64512 |                               |  | Drawing No. 11327 Sheet No. 30 Total 30 |