

NEVADA COUNTY DEPARTMENT OF PUBLIC WORKS

2019 LEACHATE MANAGEMENT IMPROVEMENTS

McCOURTNEY ROAD LANDFILL

CONSTRUCTION PLANS

MAY 2019

SHEET INDEX

1. COVER SHEET
2. SITE PLAN
3. LEACHATE TANK SITE PLAN
4. LEACHATE TANK PLAN & DETAILS

GENERAL NOTES:

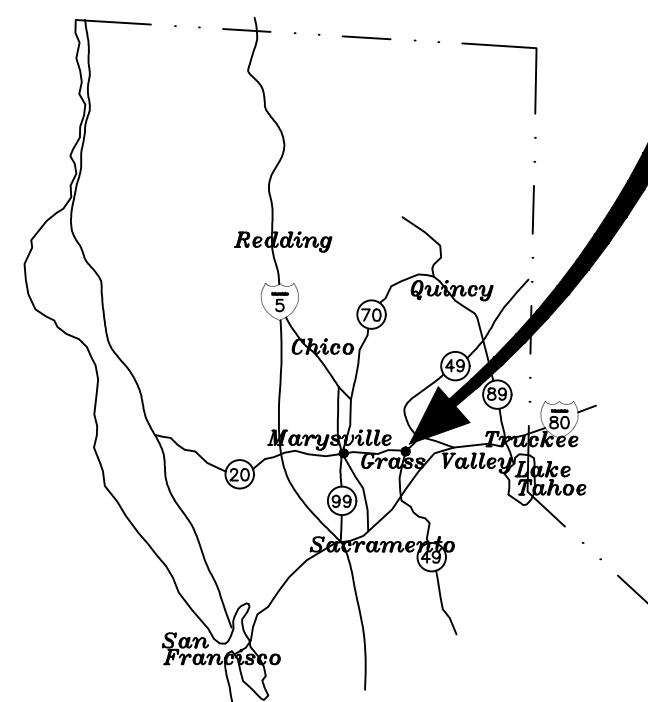
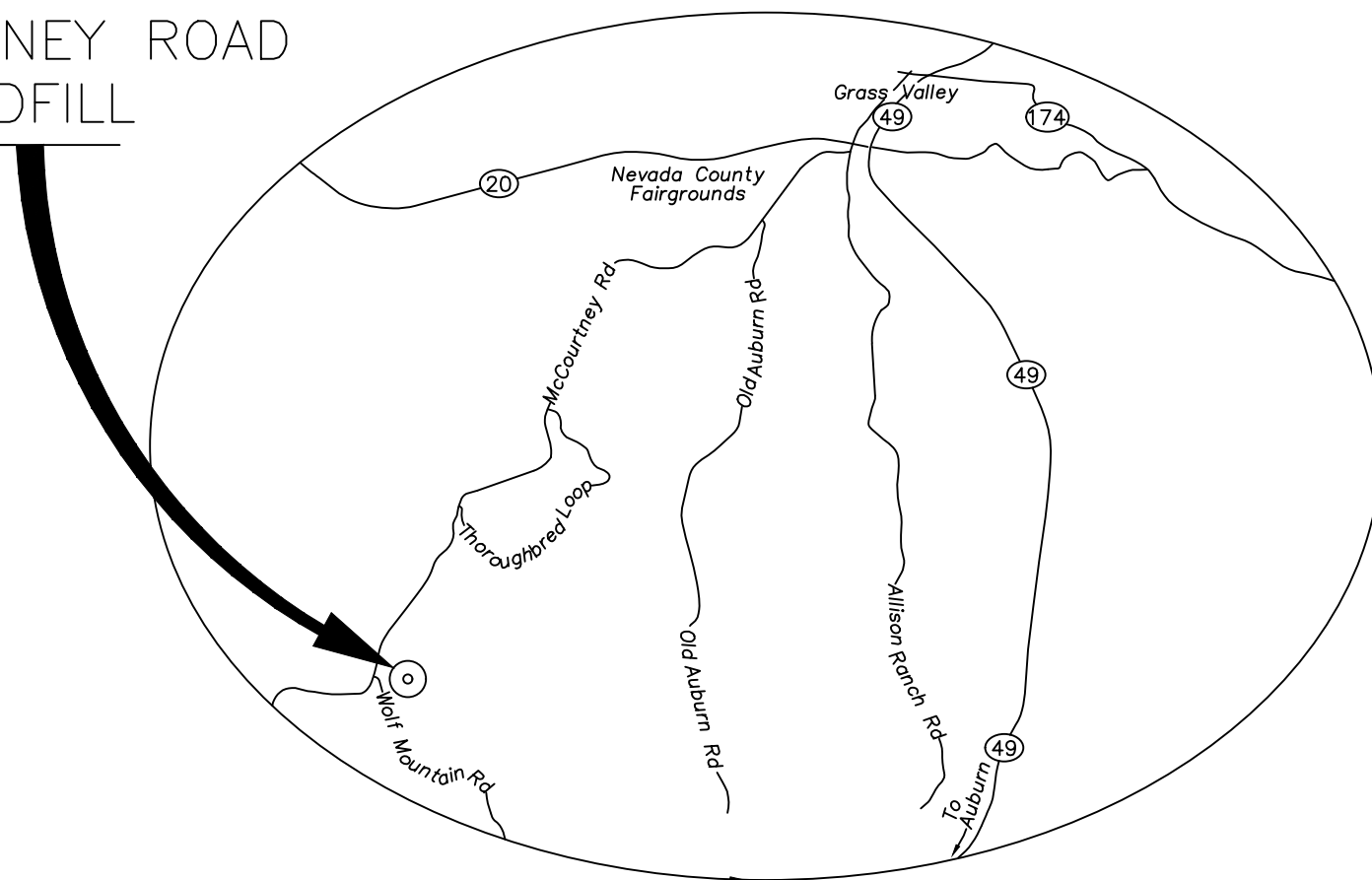
1. THE CONTRACTOR SHALL NOT BEGIN ANY WORK SHOWN ON THESE PLANS UNTIL THE DIRECTOR OF PUBLIC WORKS SIGNATURE OF APPROVAL IS AFFIXED HEREON AND ALL APPLICABLE PERMITS HAVE BEEN OBTAINED. THERE SHALL BE AN APPROVED SET OF PLANS ON THE JOB DURING ALL CONSTRUCTION ACTIVITIES.
2. ALL WORK SHALL BE EXECUTED IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS.
3. SAFETY: THE CALIFORNIA DIVISION OF OCCUPATIONAL SAFETY AND HEALTH ENFORCES THE REQUIREMENT THAT BUILDING AND CONSTRUCTION CONTRACTORS OBTAIN A PERMIT PRIOR TO COMMENCING CERTAIN TYPE OF HAZARDOUS ACTIVITY, AS SPECIFIED IN SECTION 6500 OF THE STATE LABOR CODE AND SECTION 341 OF TITLE 8 OF THE CALIFORNIA CODE OF REGULATIONS. THESE ACTIVITIES INCLUDE CONSTRUCTION OF TRENCHES OR EXCAVATIONS WHICH ARE FIVE FEET OR DEEPER AND INTO WHICH A PERSON IS REQUIRED TO DESCEND, THE CONSTRUCTION OR DEMOLITION OF ANY BUILDING, STRUCTURE, FALSEWORK, OR SCAFFOLDING MORE THAN THREE STORIES HIGH OR THE EQUIVALENT HEIGHT, AND THE UNDERGROUND USE OF DIESEL ENGINES IN WORK IN MINES AND TUNNELS. CONSTRUCTION PERMITS ARE ISSUED BY DISTRICT OFFICES OF THE DIVISION. THE SACRAMENTO OFFICE IS LOCATED AT:

STATE OF CALIFORNIA
INDUSTRIAL RELATIONS DEPARTMENT
DIVISION OF OCCUPATIONAL SAFETY AND HEALTH
2422 ARDEN WAY, #8-55
SACRAMENTO, CALIFORNIA 95825
(916) 920-6123

DRAWING CONVENTIONS:

- A SECTION A ON SHEET 2
- 1 DETAIL 1 ON SHEET 2

PROJECT LOCATION
MCCOURTNEY ROAD
LANDFILL



LOCATION MAP

NOT TO SCALE

JASON W. MUIR, RCE 60167
ASSOCIATE ENGINEER, NV5

DATE

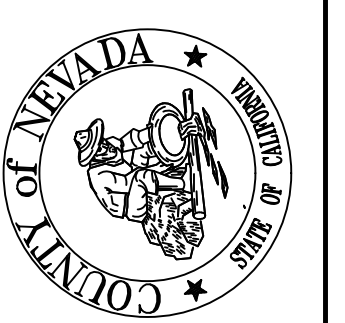
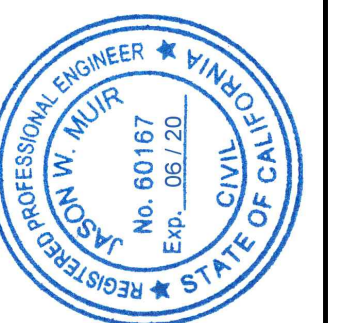
TRISHA M. TILLOTSON, PE
DIRECTOR, DEPT. OF PUBLIC WORKS

DATE

RICHARD ANDERSON
CHAIR, BOARD OF SUPERVISORS

DATE

NO.	DESCRIPTION	BY	DATE

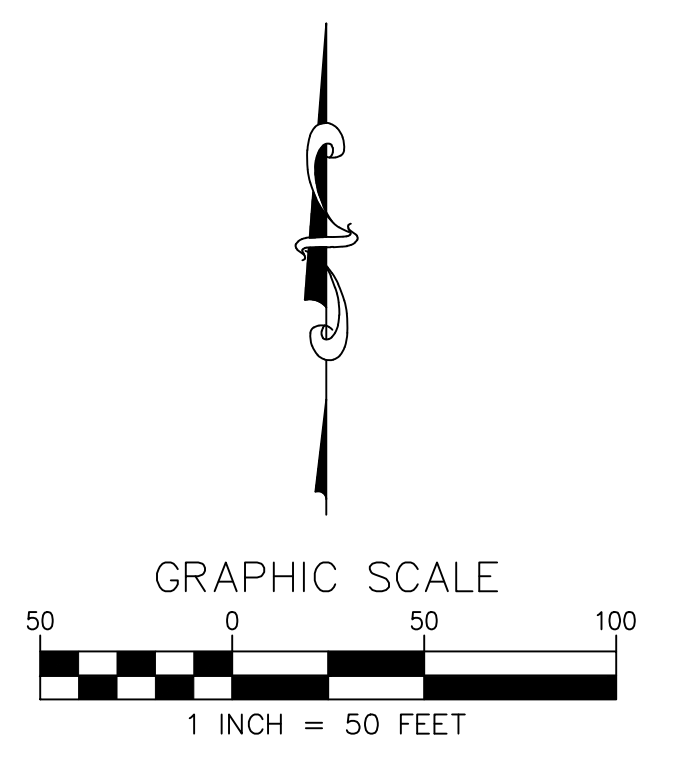


NV5

2019 LEACHATE MANAGEMENT IMPROVEMENTS
 McCOURTNEY ROAD LANDFILL
 NEVADA COUNTY
 CALIFORNIA
 COVER SHEET

DRAWING: 1
DESIGNED: JWM
DRAWN: NCM
CHECKED: JWM
JOB NO: 4142N.04.20
DATE: 5/1/2019

SHEET
1
1 OF 4 SHEETS



LEGEND

- (E) EXISTING
- (N) NEW
- (R) REMOVE
- (G) GRAVITY FLOW
- (P) PUMPED FLOW
- S- SEPTIC EFFLUENT LINE
- L- LEACHATE LINE
- D- DRAIN LINE
- NPW- NON POTABLE WATER LINE
- E- ELECTRICAL CONDUIT
- ELECTRICAL CONTROL POINT
- △^{CP} EXISTING SURVEY CONTROL POINT
- ▭ EXISTING CONCRETE PAD
- ▭ EXISTING ASPHALT PAVEMENT

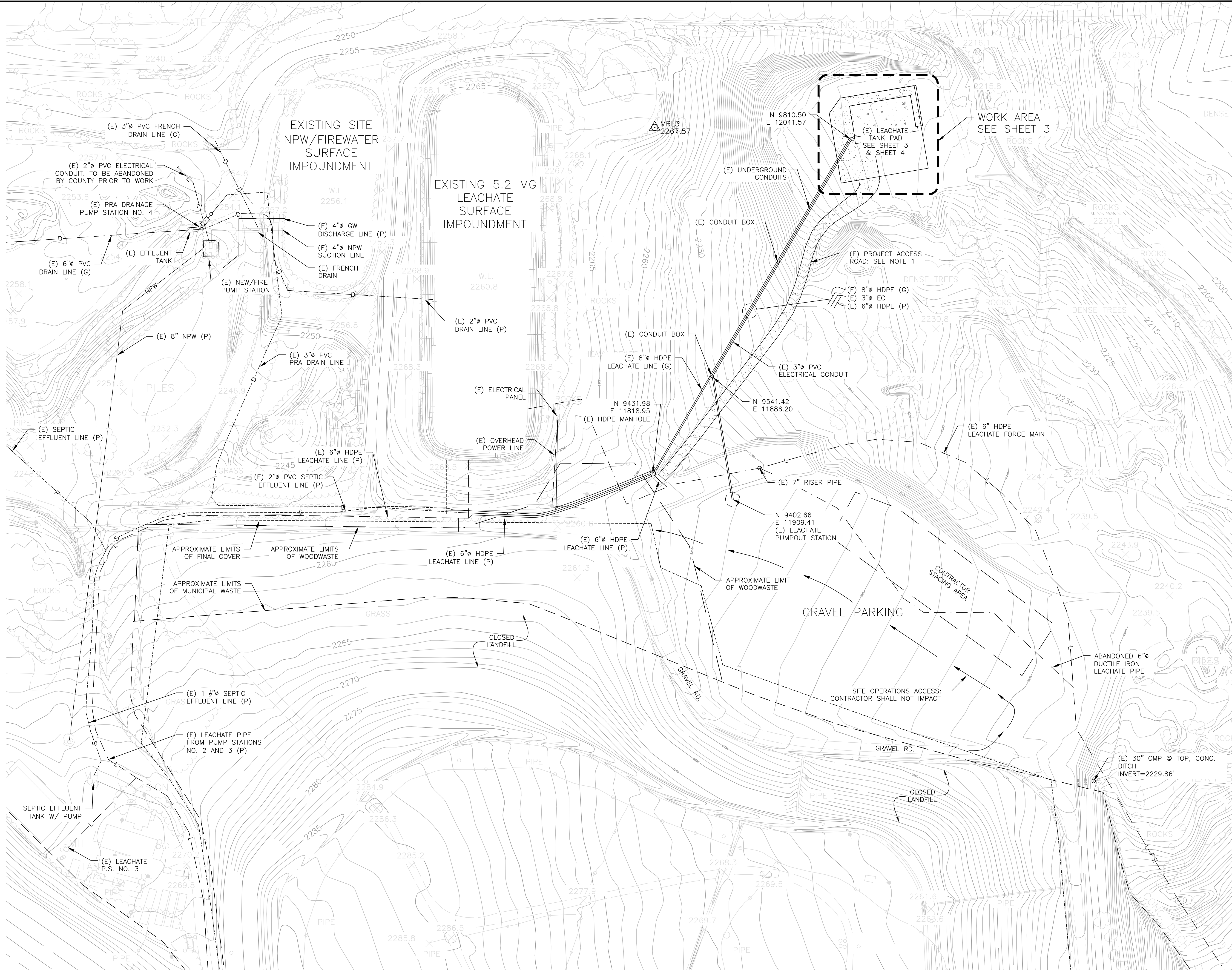
NOTES

NOTE 1 - CONTRACTOR SHALL PRESERVE EXISTING PAVED ACCESS ROAD AND REPAIR DAMAGE TO ACCESS ROAD AND EXISTING IMPROVEMENTS AT NO ADDITIONAL COST TO COUNTY.

NOTE 2 - EXISTING TOPOGRAPHY AND PLANIMETRIC FEATURES ARE BASED ON GROUND AND AERIAL SURVEY DATA COLLECTED BY VARIOUS SURVEYING FIRMS BETWEEN 2007 AND 2010. ALL ELEVATIONS ARE IN FEET MEAN SEA LEVEL (MSL) BASED ON SITE DATUM AND SITE CONTROL POINTS PRESENTED BELOW.

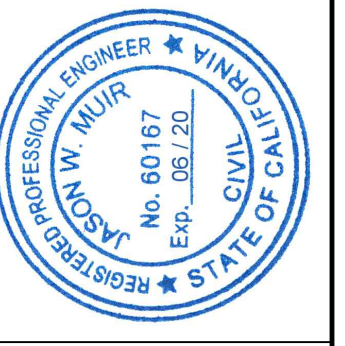
CONTROL POINTS

CP#	NORTHING	EASTING	ELEV.
MRL3	9823.8230	11821.0450	2267.5700
MRTS A	7820.9018	12632.1929	2237.8600
MRL2	7683.5380	12384.8887	2264.4500
MRL1	8183.2887	10893.8663	2338.3500
MRTS B	8275.7860	10940.5828	2317.2100
MRTS C	9121.8957	10551.4199	2294.0900



REVISIONS

NO.	DESCRIPTION	BY	DATE



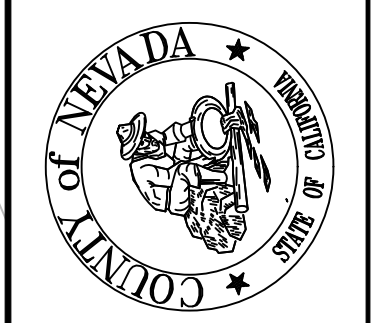
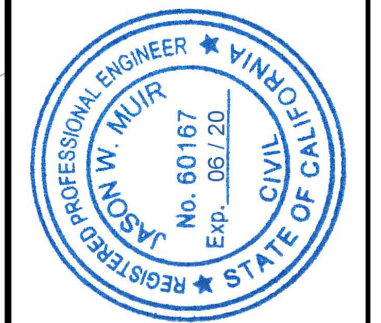
NVS

2019 LEACHATE MANAGEMENT IMPROVEMENTS
McCOURTNEY ROAD LANDFILL
 NEVADA COUNTY CALIFORNIA
SITE PLAN

DRAWING: 2
DESIGNED: JWM
DRAWN: NCM
CHECKED: JWM
JOB NO: 4142N.04.20
DATE: 5/1/2019

SHEET
2
 2 OF 4 SHEETS

REVISIONS		
NO.	DESCRIPTION	DATE

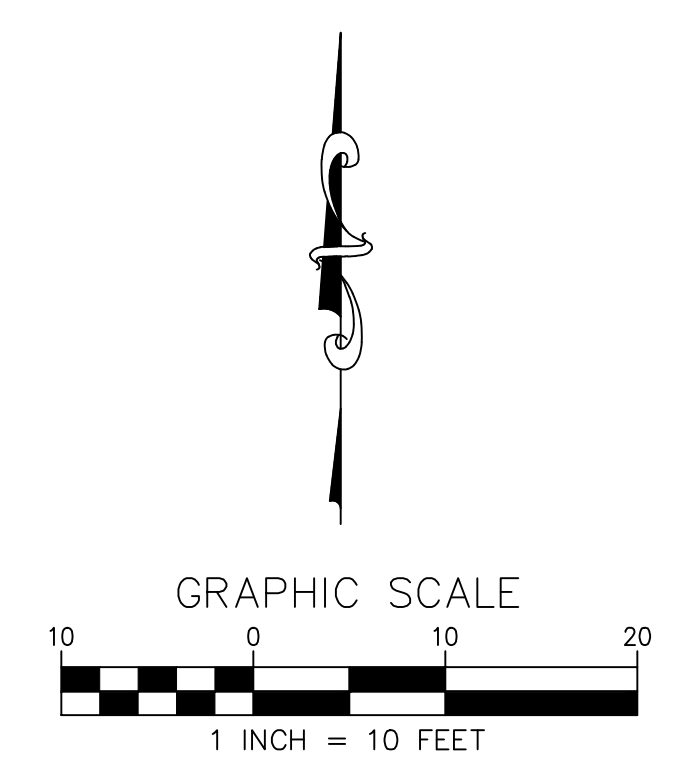


N | V | 5

2019 LEACHATE MANAGEMENT IMPROVEMENTS
 McCOURTNEY ROAD LANDFILL
 NEVADA COUNTY CALIFORNIA
LEACHATE TANK SITE PLAN

DRAWING: 3
 DESIGNED: JWM
 DRAWN: NCM
 CHECKED: JWM
 JOB NO: 4142N.04.20
 DATE: 5/1/2019

SHEET
3
 3 OF 4 SHEETS



- LEGEND**
- 2220 — EXISTING MAJOR CONTOUR
 - 2218 — EXISTING MINOR CONTOUR
 - > EXISTING DITCH LINE/DRAINAGE
 - 2218 ELEVATION CALLOUT
 - IE 2217 DRAINAGE INVERT ELEVATION CALLOUT
 - EXISTING CONCRETE PAD
 - EXISTING ASPHALT PAVEMENT
 - NEW ASPHALT PAVEMENT

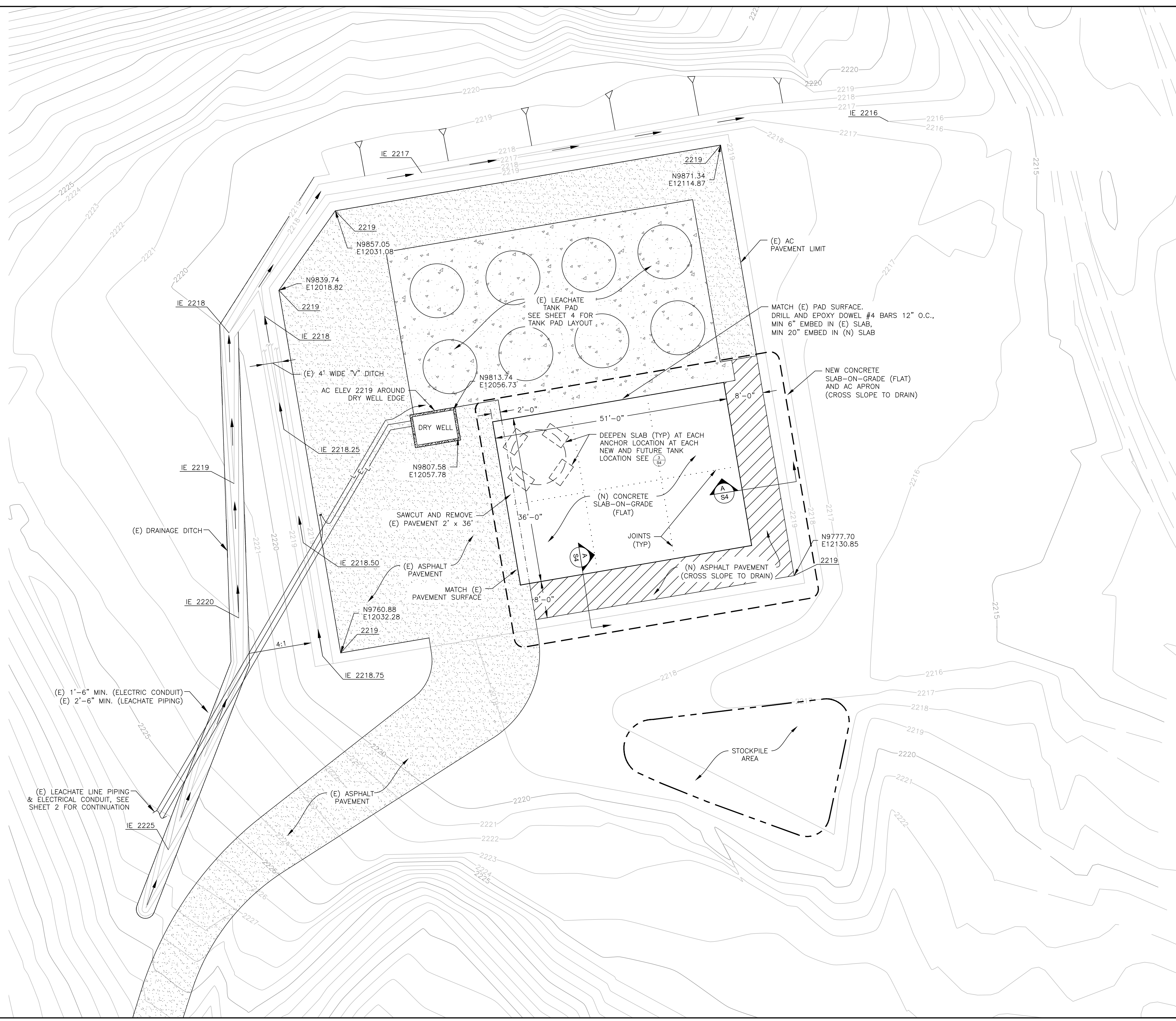
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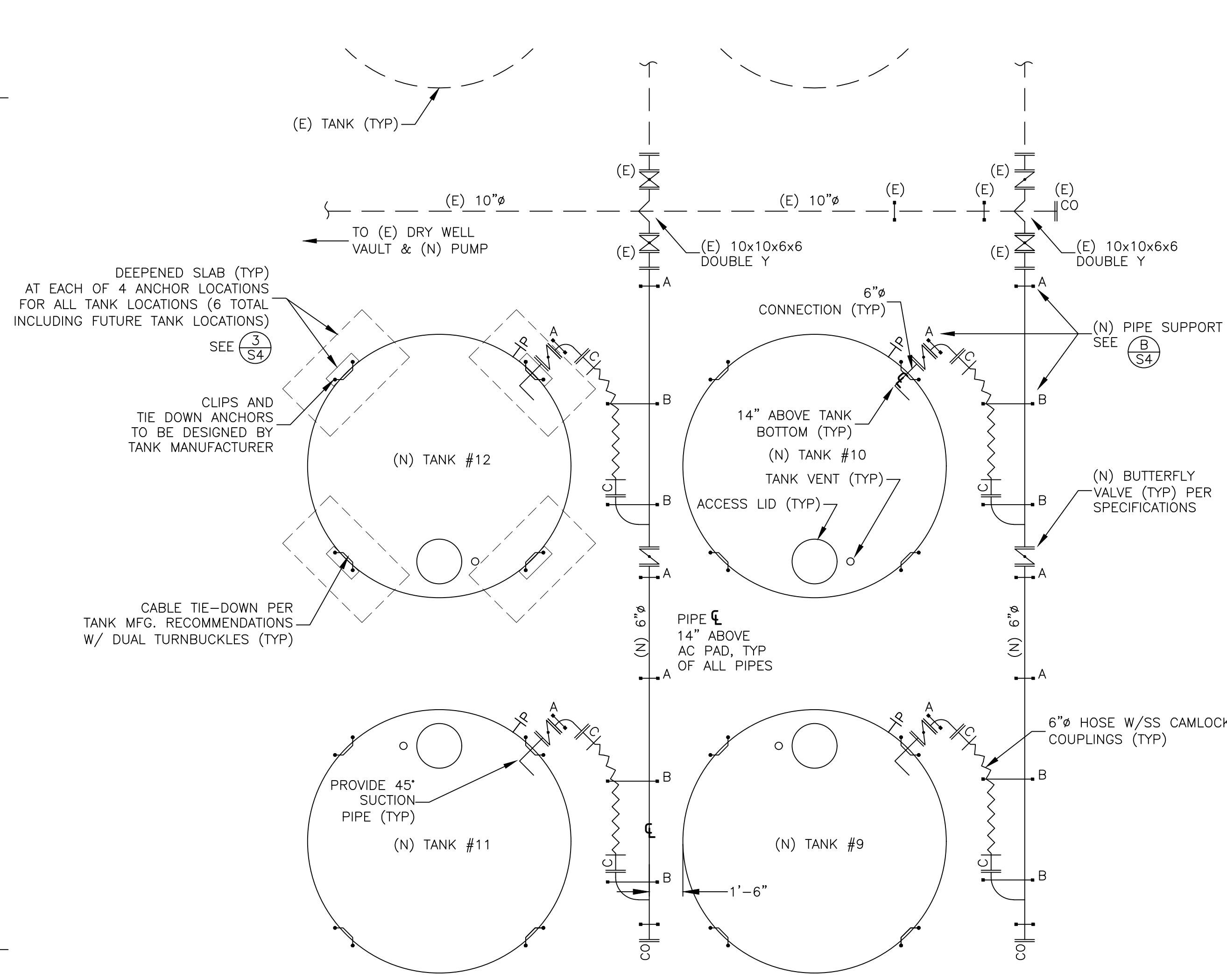
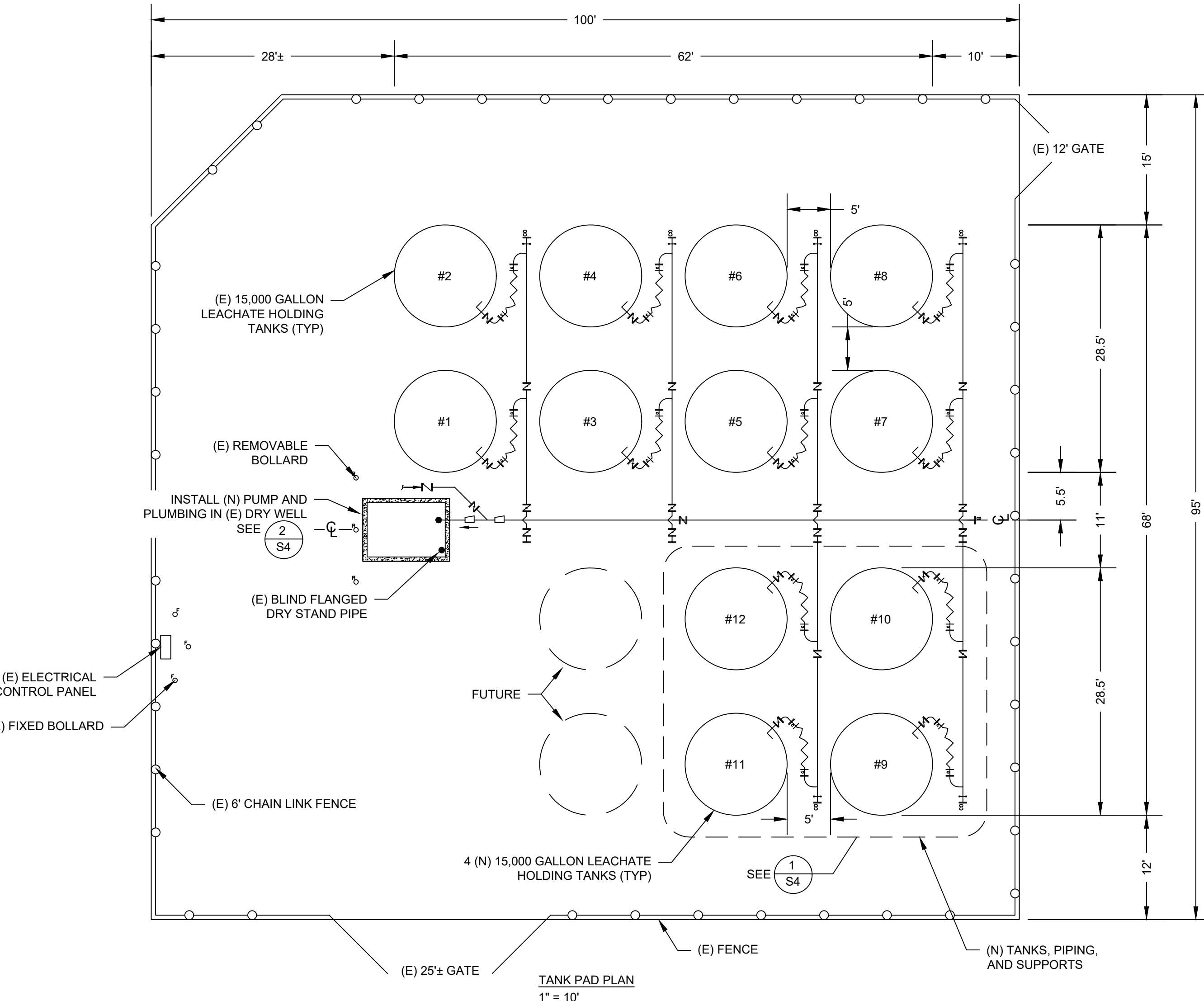
NOTE 3 — ALL EXISTING PIPING LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY CONDITIONS, SIZE, MATERIALS AND CONNECTIONS PRIOR TO THE CONNECTION OF THE NEW PIPE AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

NOTE 4 — CONNECTION TO EXISTING PIPING SHALL BE MADE WHEN EXISTING LINES ARE NOT IN OPERATION, AND SHALL BE MADE AFTER NEW PIPING IS IN-PLACE, TESTED AND ACCEPTED BY THE ENGINEER. CONNECTIONS SHALL BE SCHEDULED TO PROVIDE NO MORE THAN 4 HOURS OF INTERRUPTED SERVICE, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

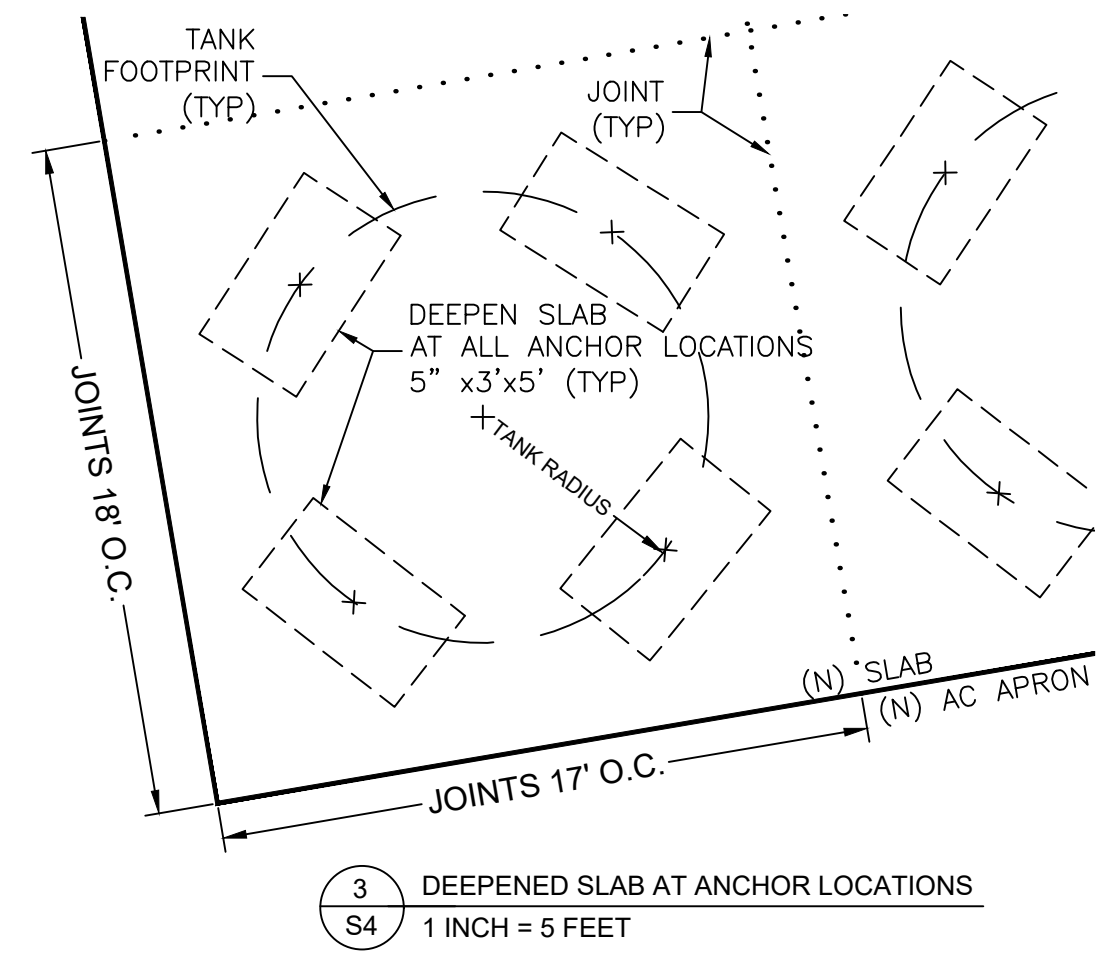
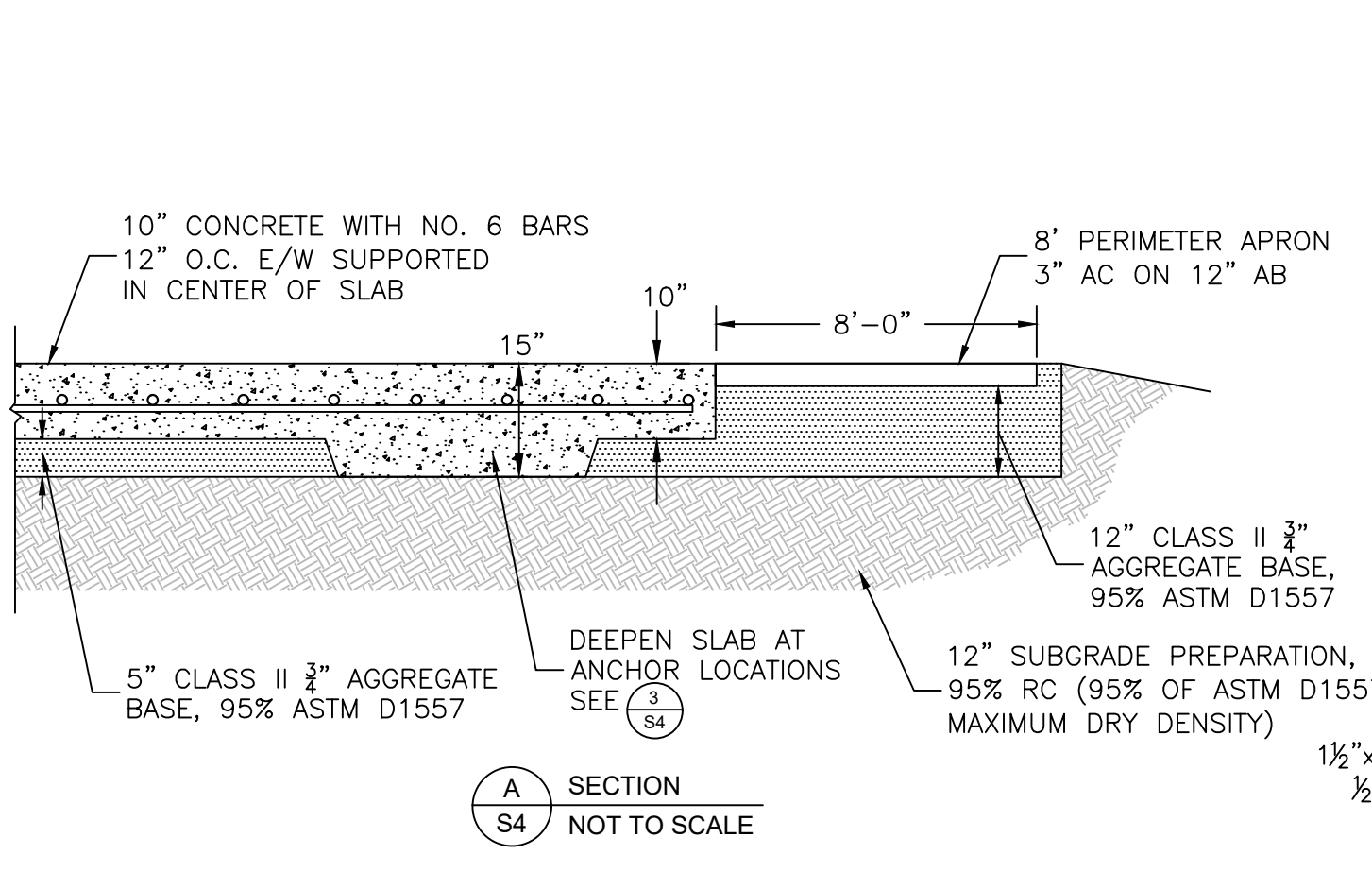
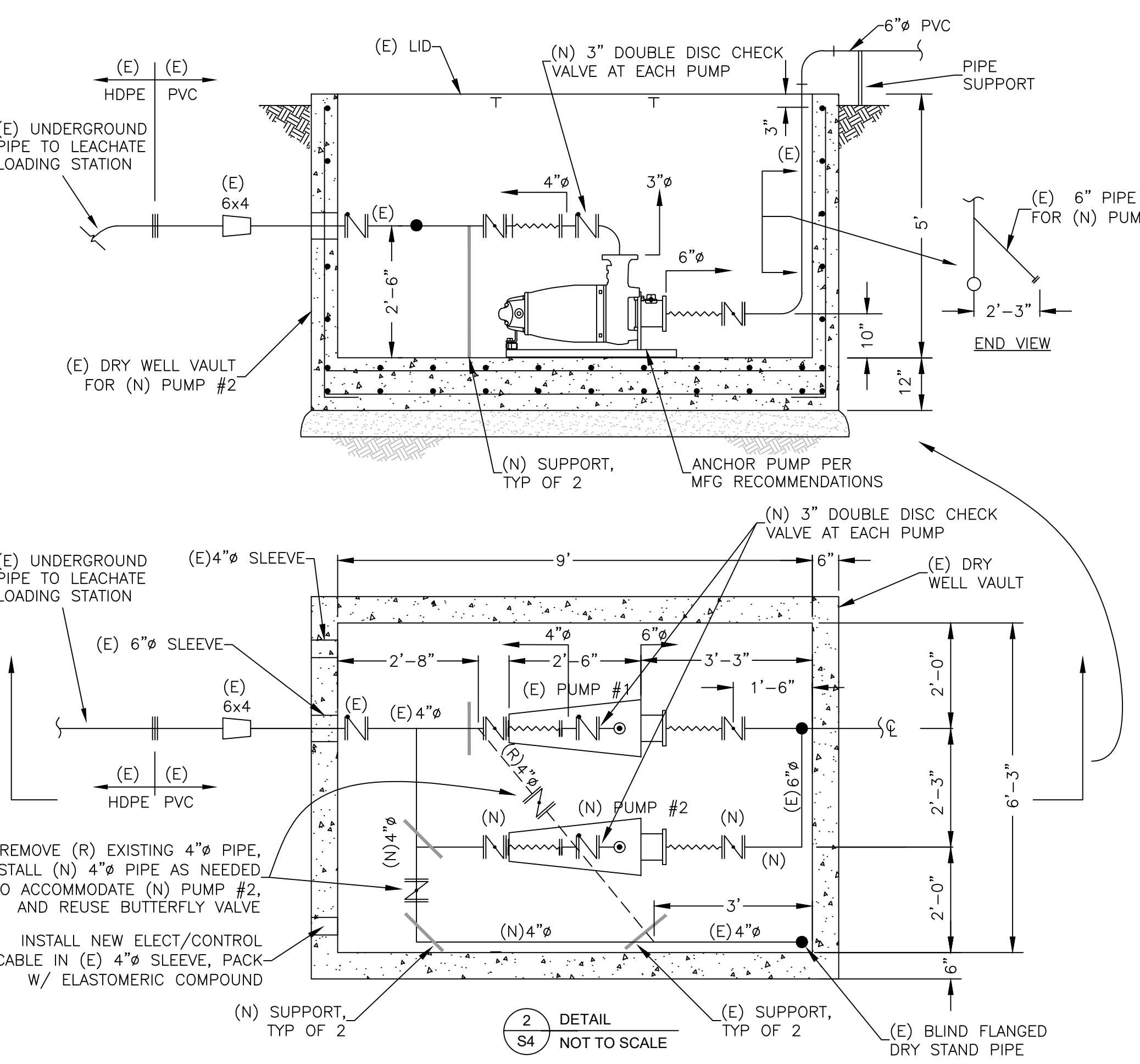


3 OF 4 SHEETS

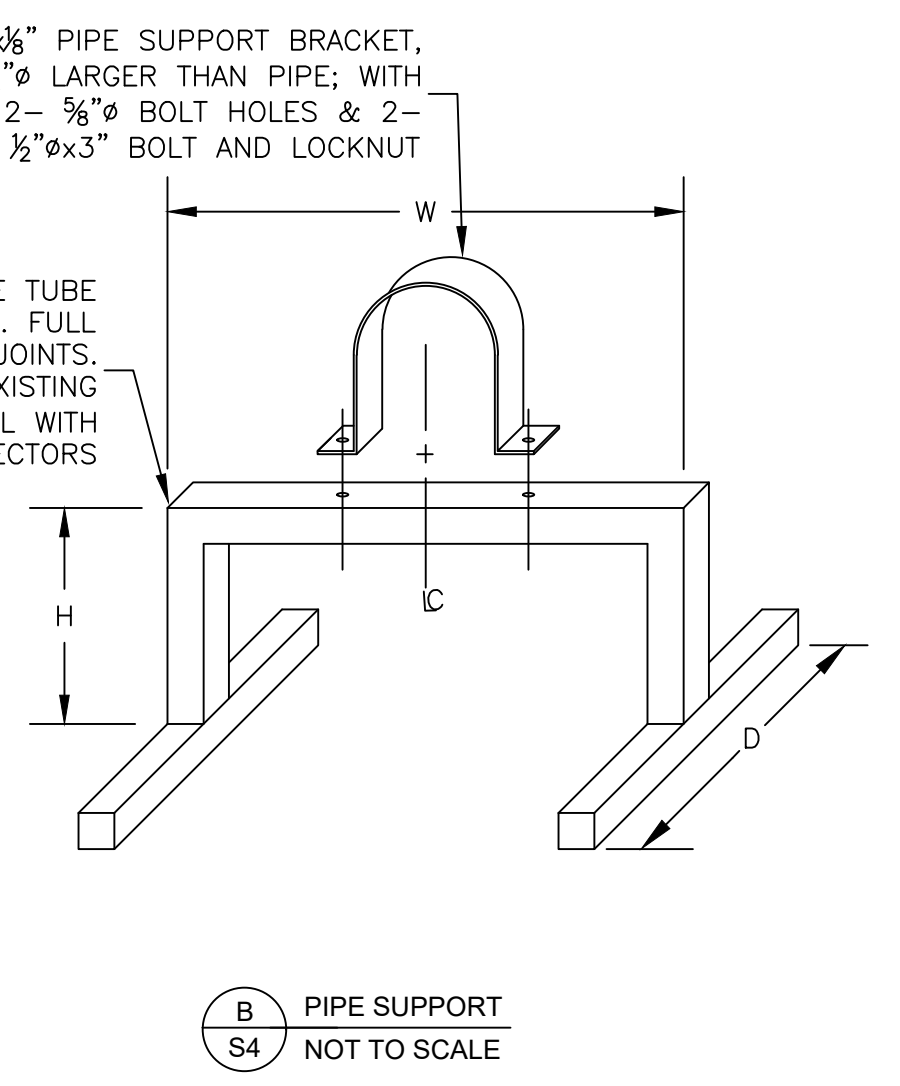
- PIPING LEGEND**
- ⊕ FLANGE CONNECTION
 - ⊖ BLIND FLANGE
 - ⊖ CO BLIND FLANGE, CLEAN OUT
 - N BUTTERFLY VALVE, FLANGED
 - N CHECK VALVE, FLANGED
 - ≡ ECCENTRIC REDUCER
 - ≡ CONCENTRIC REDUCER
 - ~ FLEXIBLE CONNECTOR
 - ≡ CAMLOCK COUPLING FLANGED CONNECTION
 - TANK LEVEL GAUGE (PRESSURE GAUGE)
 - FLANGED OPENING NEAR BOTTOM OF TANK WITH BLIND CAP, 1" THREADED HOLE AND 1" SS BALL VALVE TO ATTACH PRESSURE TRANSDUCER
 - VERTICAL PIPE IN PLAN VIEW
- ~ 6" DIA FLEXIBLE HOSE AND PROTECTIVE COVER



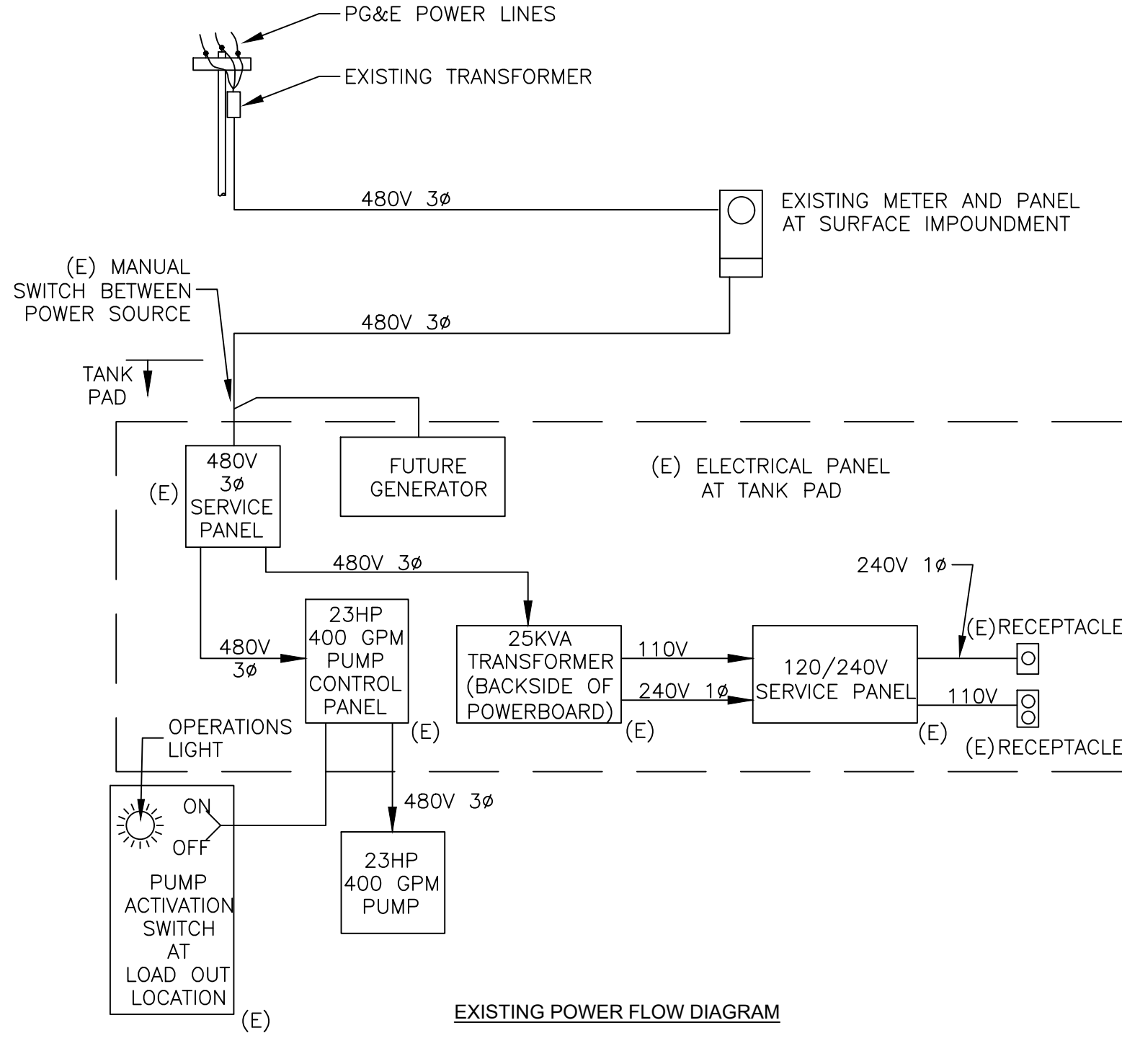
NOTE: THIS PROJECT INCLUDES AN OPTION FOR THE CONSTRUCTION OF TWO OR FOUR TANKS AT THE OWNER'S DISCRETION. IN THE CASE THAT ONLY TWO TANKS ARE TO BE CONSTRUCTED FOR THIS PROJECT, TANKS 9 AND 10 AND THEIR ASSOCIATED PIPING SHALL BE CONSTRUCTED, AND TANKS 11 AND 12 AND THEIR ASSOCIATED PIPING SHALL REMAIN AS FUTURE CONSTRUCTION.



PIPE SUPPORT TYPE	PIPE Ø	W	D	H
A	6"	20"	12"	10 1/8"
B	6"	26"	12"	10 1/8"

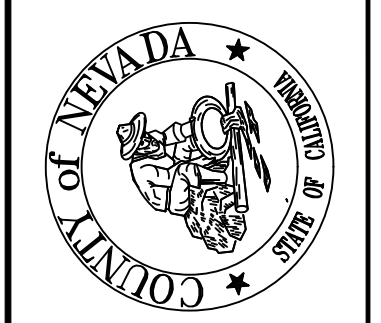
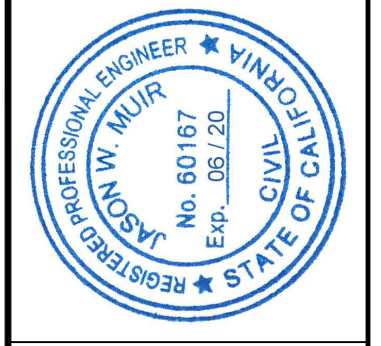


1 DETAIL S4 NOT TO SCALE



REVISIONS

NO.	DATE	BY	DESCRIPTION



NVS

2019 LEACHATE MANAGEMENT IMPROVEMENTS
MCCOURTNEY ROAD LANDFILL
 NEVADA COUNTY CALIFORNIA
LEACHATE TANK PLAN & DETAILS

DRAWING: 4
 DESIGNED: JWM
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 CHECKED: JWM
 JOB NO: 4142N.04.20
 DATE: 5/1/2019