

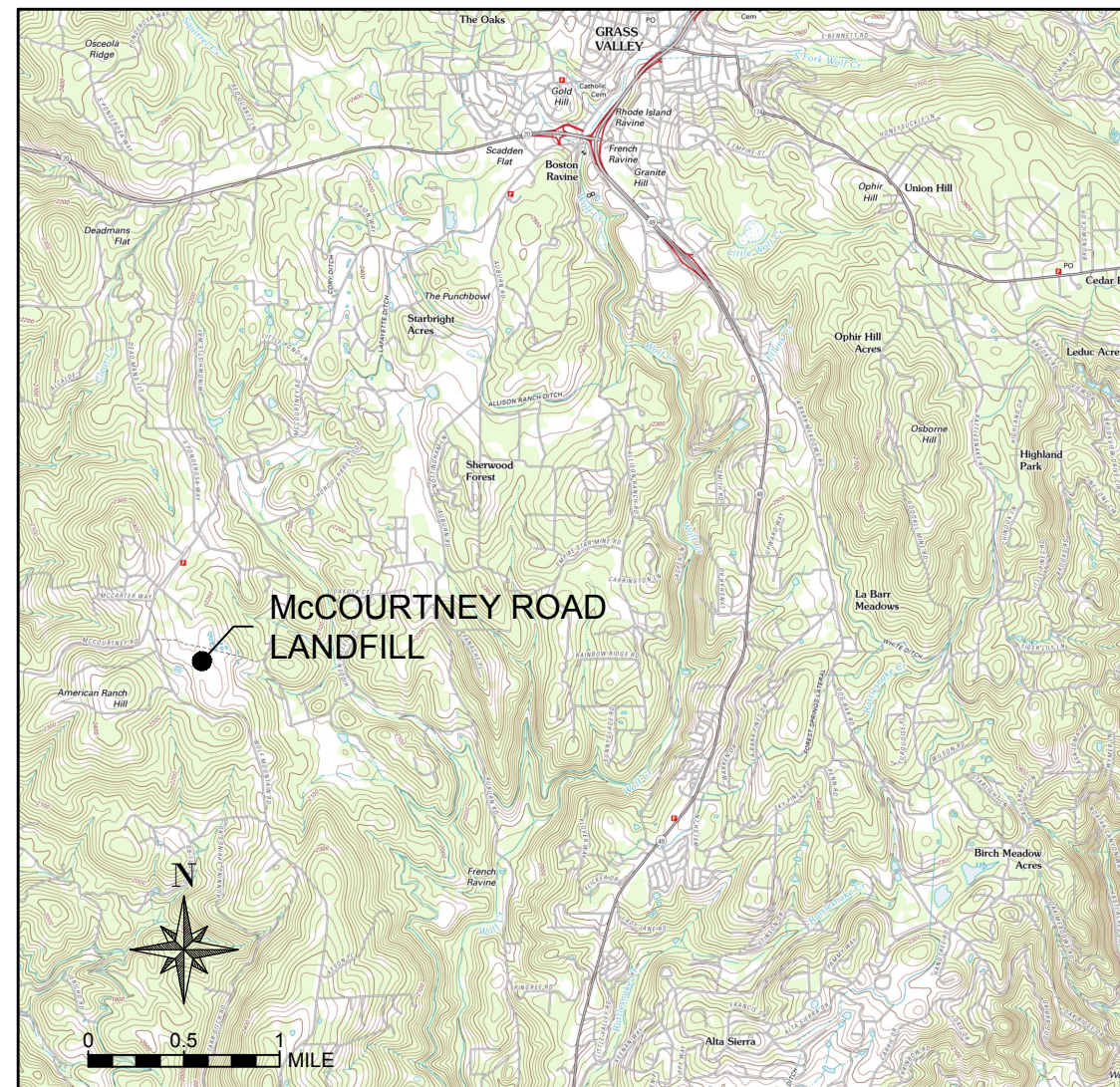
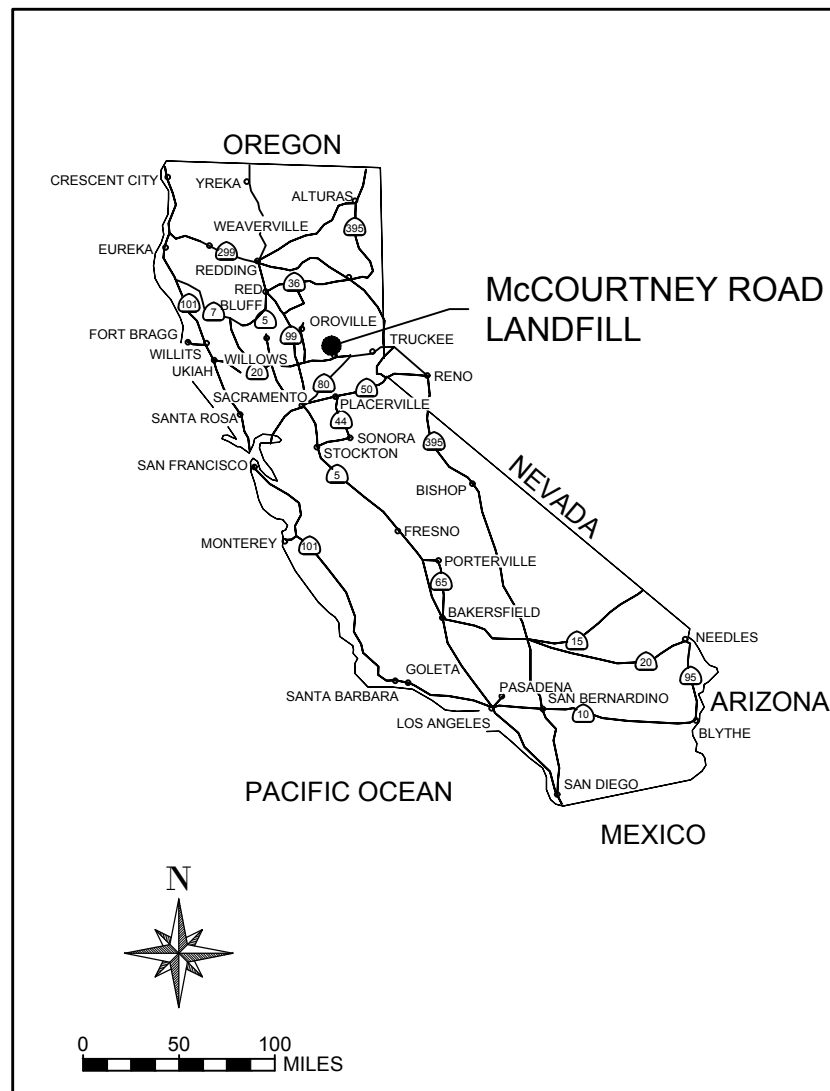
McCOURTNEY ROAD LANDFILL

LEACHATE PUMP IMPROVEMENTS

COUNTY OF NEVADA, CALIFORNIA

FEBRUARY 2016

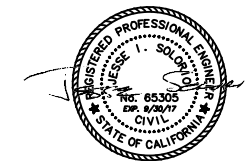
UPDATED JUNE 2016



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PLANS PREPARED BY: **LAWRENCE & ASSOCIATES**
3590 IRON COURT
SHASTA LAKE, CA 96019



JESSE SOLORIO
RCE 65305

PLANS PREPARED FOR: **COUNTY OF NEVADA**
950 MAIDU AVENUE
NEVADA CITY, CA 95959

STANDARD GENERAL NOTES

1. THE CONSTRUCTION AND INSTALLATION OF IMPROVEMENTS SHALL CONFORM TO THESE PLANS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK – CURRENT EDITION).
2. ANY CHANGES TO THESE PLANS MUST RECEIVE PRIOR APPROVAL FROM LAWRENCE & ASSOCIATES.
3. NOTIFY THE OWNER 48 HOURS IN ADVANCE OF ANY WORK.
4. CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION AND NOTIFY LAWRENCE & ASSOCIATES OF ANY DIFFERENCE FROM THAT SHOWN ON THE PLAN.
5. THE CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THE PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
6. EXCAVATIONS SHALL BE ADEQUATELY SHORED, BRACED, AND SHEETED SO THAT THE EARTH WILL NOT SLIDE OR SETTLE AND SO THAT ALL EXISTING IMPROVEMENTS OF ANY KIND WILL BE FULLY PROTECTED FROM DAMAGE. ANY DAMAGE RESULTING FROM A LACK OF ADEQUATE SHORING, BRACING, AND SHEETING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND HE SHALL EFFECT NECESSARY REPAIRS OR RECONSTRUCTION AT HIS OWN EXPENSE. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHEETING, SHORING, BRACING, OR EQUIVALENT METHOD, FOR THE PROTECTION OF LIFE OR LIMB.
7. CONTRACTOR'S CONSTRUCTION PRACTICES SHALL CONFORM TO THE APPLICABLE CONSTRUCTION SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY OF THE STATE OF CALIFORNIA. CONTRACTOR SHALL ALWAYS COMPLY WITH OSHA REQUIREMENTS.
8. THE CONTRACTOR SHALL POST EMERGENCY TELEPHONE NUMBERS FOR POLICE, FIRE, AMBULANCE, AND THOSE AGENCIES RESPONSIBLE FOR MAINTENANCE OF UTILITIES IN THE VICINITY OF THE JOB SITE.
9. ALL EXISTING UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE OWNER.
10. SHOULD IT APPEAR THAT THE WORK TO BE DONE, OR ANY MATTER RELATIVE THERETO, IS NOT SUFFICIENTLY DETAILED OR EXPLAINED WITHIN THESE PLANS, THE CONTRACTOR SHALL CONTACT LAWRENCE & ASSOCIATES AT (530) 275-4800 FOR FURTHER EXPLANATION, AS MAY BE NECESSARY.
11. UNLESS OTHERWISE NOTED, THE WORD "INSTALL" SHALL INCLUDE THE PURCHASE, DELIVERY, PLACEMENT, AND CONNECTION OF ITEMS DESCRIBED ON THESE PLANS AND ALL APPURTENANCES REQUIRED FOR A COMPLETE INSTALLATION.

SOIL NOTES

1. CONTRACTOR SHALL EXCAVATE TRENCH FOR ANY PROPOSED PIPE AND ELECTRICAL CONDUIT AND BACKFILL WITH APPROVED MATERIAL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL REPAIR ALL DISTURBED AREAS WITH SIMILAR MATERIALS AS REMOVED. ALL BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR AT A MOISTURE CONTENT OF 0-4% ABOVE OPTIMUM.
2. COMPACTED GENERAL FILL SHALL CONSIST OF SIMILAR MATERIALS AS REMOVED AND BE COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR (ASTM D698).
3. GRANULAR MATERIAL SHALL BE CLASSIFIED AS CLASS 2 COMPACTED TO 95% STANDARD PROCTOR (ASTM D698).
4. COMPACTED ROAD GRAVEL SHALL CONSIST OF CALTRANS ¾" CLASS 2 AGGREGATE COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR (D1557).
5. ALL BURIED CONDUIT AND PIPE SHALL HAVE DETECTION MARKER TAPE INSTALLED IN TRENCH.

ELECTRICAL NOTES

1. ALL ABOVE GROUND PIPE SHALL BE HEAT TRACED WITH SELF REGULATING 7.5 WATT/LF MINIMUM HEATING CABLE AND INSULATED WITH 2" THICK FIBERGLASS INSULATION WITH WEATHER RESISTANT CASING, OR EQUAL PER MANUFACTURER'S RECOMMENDATION FOR PIPE SIZE AND MINIMUM AMBIENT TEMPERATURE.
2. INSTALL ALL EQUIPMENT AND SYSTEMS PER MANUFACTURER'S RECOMMENDATIONS, CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, TRANSPORTATION, SERVICES, CRANES, SCAFFOLDING AND ANY OTHER EQUIPMENT NECESSARY TO PERFORM THE WORK IN A SAFE AND EXPEDITIOUS MANNER. ALL MATERIALS SHALL BE NEW.
3. ALL COMPONENTS UTILIZED IN THE ELECTRICAL INSTALLATION SUCH AS CONDUIT, FITTINGS, PANELS, AND COMPONENTS SHALL BE UL LISTED.
4. CONTRACTOR SHALL PROVIDE AS-BUILT ELECTRICAL PLANS, INCLUDING ONE-LINE DIAGRAMS FOR ALL INSTALLED SYSTEMS.

GENERAL PIPE NOTES

1. ALL HDPE PIPE SHALL CONFORM WITH ASTM D3550 AND "LEACHATE COLLECTION SYSTEMS" ASTM F714.
2. ALL HDPE COMPONENTS SHALL BE STANDARD HDPE RESIN PE 3408 OR 4710. ALL FITTINGS SHALL HAVE THE SAME CLASSIFICATION AND RATING EQUAL TO OR EXCEEDING THAT OF THE PIPE.
3. ALL HDPE JOINTS SHALL BE JOINED BY BUTT FUSION WELDING METHOD OR ELECTROFUSION.
4. ALL PVC PIPE OR FITTINGS SHALL BE SCHEDULE 80.
5. CONTRACTOR SHALL ENSURE ALL PIPING IS FREE OF DEBRIS AND OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.

MATERIALS AND WORKMANSHIP

1. UNLESS OTHERWISE SPECIFICALLY PROVIDED IN THESE PLANS, ALL EQUIPMENT, MATERIALS, AND OTHER ITEMS SHALL BE NEW AND IN ORIGINAL CONDITION.
2. ALL MATERIALS AND EQUIPMENT SHALL BE SUITABLE FOR THE INTENDED USE.
3. MATERIALS AND EQUIPMENT USED WITHOUT APPROVAL BY THE OWNER MAY BE REJECTED BY THE OWNER WHETHER INSTALLED OR NOT.
4. ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND MANUALS.
5. THE CONTRACTOR SHALL PROVIDE A MANUFACTURER AUTHORIZED TECHNICIAN TO VERIFY PROPER SETTINGS AND OPERATION OF THE EPG PUMPING SYSTEMS FOR THE INTENDED USE.

LEGEND

(E) EXISTING, (N) NEW, (TYP) TYPICAL

SITE SAFETY

1. THE CONTRACTOR SHALL MAINTAIN A CURRENT COPY OF THEIR GENERAL COMPANY SAFETY PLAN EITHER ON SITE OR WITHIN 1/2 HOUR ROUND-TRIP TRAVEL TIME OF THE SITE. A SITE- SPECIFIC SITE-SAFETY AND HEALTH PLAN SHALL BE KEPT ON SITE ANYTIME WORK IS CONDUCTED WITH HAZARDOUS MATERIALS. THE PLAN SHALL INCLUDE ALL POTENTIAL HAZARDS AND METHODS FOR MITIGATING THE HAZARDS. THE PLAN SHALL INCLUDE DIRECTIONS AND A MAP SHOWING THE WAY TO THE NEAREST HOSPITAL, A LIST OF EMERGENCY PHONE NUMBERS, INCLUDING EMERGENCY SERVICES, THE OWNER, AND THE RESPONSIBLE CONTRACTOR'S BUSINESS, AND HOME PHONE NUMBERS.
2. CONTRACTOR SHALL COMPLY WITH ALL OWNER SAFETY POLICIES AND PROCEDURES.
3. PROVIDE EMPLOYEE PROTECTION FROM NON-HAZARDOUS LANDFILL LEACHATE (ANALYTICAL DATA AVAILABLE ON REQUEST).
4. POTENTIAL FOR FLAMMABLE LANDFILL GAS. NO SMOKING ON SITE. NO OPEN FLAME NEAR WORK. CONTRACTOR SHALL PROVIDE EXPLOSIVE GAS AND OXYGEN DEFICIENT MONITORING.

DISPOSAL OF CONSTRUCTION DEBRIS

1. ALL CONSTRUCTION DEBRIS, INCLUDING CONCRETE SHALL BE DISPOSED OF AT A CLASS III MUNICIPAL REFUSE FACILITY, OR AS SPECIFICALLY APPROVED IN WRITING FROM THE LOCAL ENFORCEMENT AGENCY.

INSTALLATION OF NEW MATERIALS

1. PRIOR TO COMMENCING WORK THE CONTRACTOR SHALL PROVIDE TO THE OWNER, A SCHEDULE SHOWING DEADLINES FOR COMPLETION OF SIGNIFICANT GROUPS OF WORK.

SCOPE OF WORK

THE SCOPE OF WORK FOR THIS PROJECT CONSISTS OF THE FOLLOWING ITEMS

PS-1

1. PROVIDE FOR TEMPORARY LEACHATE STORAGE AND DIVERSION DURING CONSTRUCTION. LEACHATE MAY BE HAULED TO LEACHATE TANK FARM AS NEEDED.
2. DRAIN EXISTING LEACHATE PIPES PRIOR TO WORK. CAPTURE ALL LEACHATE.
3. REMOVE TWO (2) EXISTING 40-GPM TURBINE PUMPS AND ONE (1) 500-GPM PUMP AND INSTALL TWO (2) EPG 2-HP SURE PUMPS AND ONE (1) 80-GPM SUBMERSIBLE PUMP.
4. INSTALL NEW WIRING, LEVEL SENSORS, AND FLOW METERS WITH EACH NEWLY INSTALLED PUMP.
5. REMOVE ABOVE GROUND FIBERGLASS PUMP ENCLOSURE AND STOCKPILE ON-SITE.
6. REMOVE EXISTING THREE (3) PUMP CONTROL PANELS AND REPLACE WITH EPG L950PT DUPLEX (LEAD/LAG) PUMP CONTROL PANEL AND STARTER FLOAT SWITCH PUMP PANEL WITH HAND-AUTO-OFF SETTING.
7. REMOVE ALL EXISTING HEAT TRACING AND PIPE JACKETING ON 6-INCH PS-1 LEACHATE INFLOW LINE AND 6-INCH PS-1 LEACHATE OUTFLOW LINE AND REPLACE WITH NEW.
8. REMOVE EXISTING WOOD PIPE SUPPORTS FOR 6-INCH LEACHATE INFLOW LINE AND REPLACE WITH CONCRETE SUPPORTS AND RE-PLUMB 6-INCH FLOW METER.
9. REFURBISH LEACHATE CONTROL VALVE ASSEMBLY INCLUDING, INSTALL 2" EPG FLOW METER, INSTALL 6-INCH BLIND FLANGE, REPLACE 6-INCH OUTLET GATE VALVE.
10. REMOVE EXISTING STEEL FLOAT SWITCH HANGER.

PS-2

1. EXCAVATE AND CUT ENDS OF 12-INCH LEACHATE RISER PIPE AND 12-INCH LEACHATE LEAK DETECTION RISER PIPE AND INSTALL NEW PIPE SECTIONS AND FLANGES.
2. INSTALL WHEELED ½-HP EPG SURE PUMP IN 12-INCH LCRS RISER PIPE AND 1.5-INCH INSULATED DISCHARGE PIPING WITH HEAT TRACER TAPE IN PIPE JACKETING.
3. REMOVE TWO (2) LEACHATE CONTROL PANELS AND REPLACE WITH EPG CONTROL PANEL.
4. INSTALL NEW WIRING TO PUMP, LEVEL SENSOR, AND FLOW METER. INSTALL NEW LEVEL SENSOR AND FLOW METER.
5. SLOPE GROUND SURFACE AT LEACHATE RISER AREA TO DRAIN AT 2% TOWARDS GRAVEL ROAD.

GENERAL CONDITIONS

1. THE GENERAL CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, UTILITIES, AND OTHER FACILITIES, UNLESS SPECIFICALLY STATED OTHERWISE IN THESE DOCUMENTS. ANY ITEMS DAMAGED OR DESTROYED BY THE CONTRACTOR OR HIS SUBCONTRACTORS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL SUBCONTRACTORS AND INSPECTION OF THEIR WORK. THE GENERAL CONTRACTOR WILL BE HELD RESPONSIBLE AND FINANCIALLY ACCOUNTABLE FOR DEFICIENCIES IN SUBCONTRACTORS WORK.
3. ALL WORK SHALL BE PROVIDED COMPLETE IN PLACE, INCLUDING ALL LABOR, MATERIALS, EQUIPMENT, FEES, AND APPURTENANCES TO INSTALL THE WORK IN OPERATING CONDITION IN A WORKMAN LIKE MANNER.
4. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TEMPORARY LEACHATE SYSTEM DURING CONSTRUCTION. TEMPORARY DRAFT PUMP IS ON SITE. VERIFY WITH LANDFILL.

LICENSING AND EXPERIENCE REQUIREMENTS

1. THE CONTRACTOR SHALL POSSESS A CLASS A CURRENT CALIFORNIA CONTRACTOR'S LICENSE.

PAYMENT

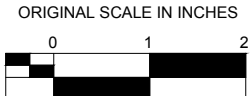

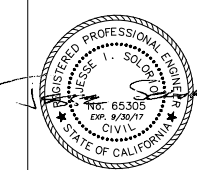
PAYMENT SHALL INCLUDE ALL MOBILIZATION, SALES TAXES, SHIPPING, TRANSPORTATION MATERIALS, LABOR, SUPERINTENDENCE, AND INCIDENTALS TO CONSTRUCT THE WORK COMPLETE IN PLACE.

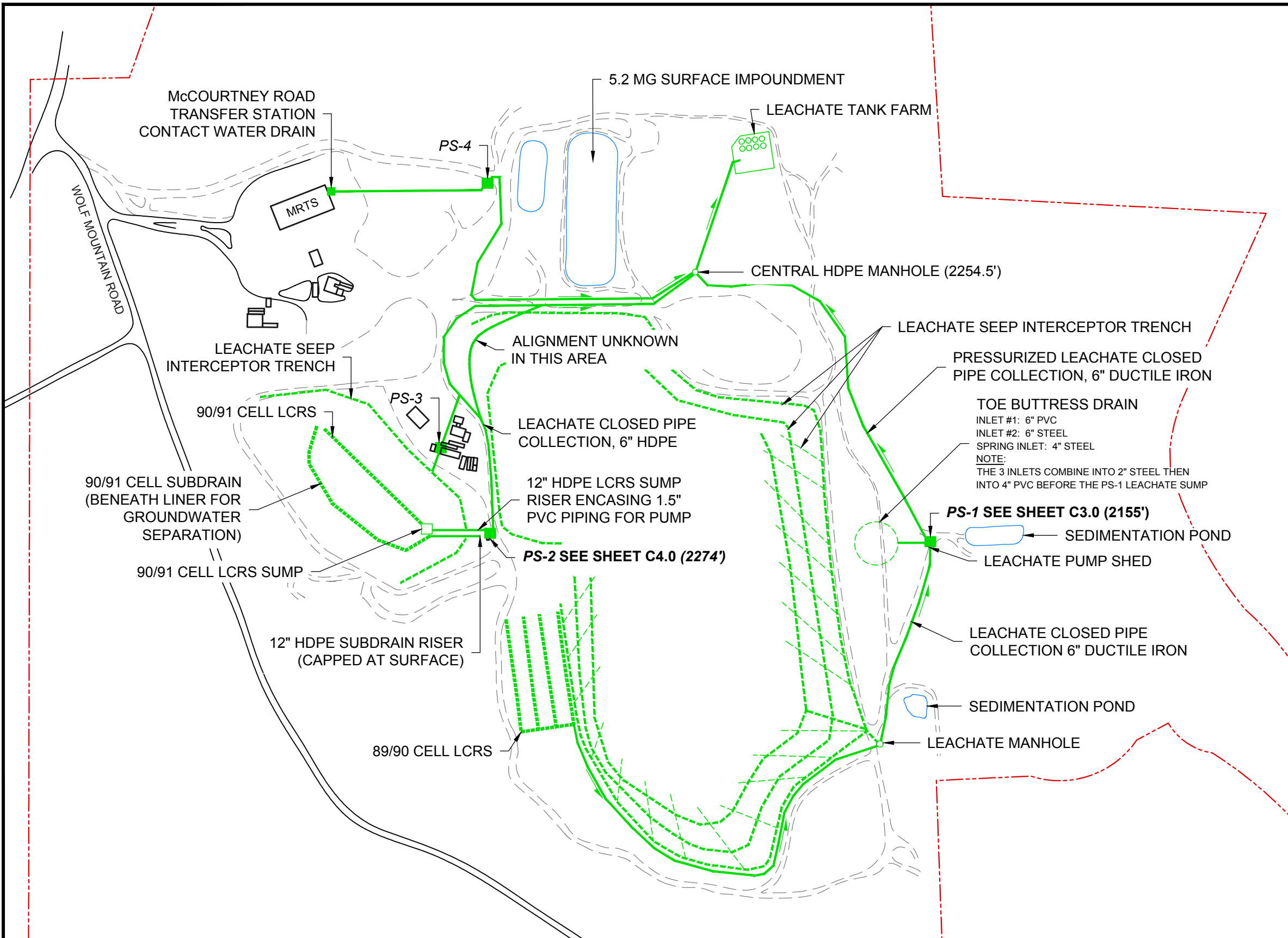
IF THE OWNER REQUESTS A CHANGE IN WORK, THE CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST FOR CHANGE ORDER FOR APPROVAL BEFORE PERFORMING THE WORK. EXTRA WORK PERFORMED WITHOUT PRIOR APPROVAL WILL NOT BE PAID.

SUBMITTALS

1. VERIFY PUMPS MEET HEAD AND FLOW REQUIREMENT AND SUBMIT SUPPLIER VERIFICATION.
2. SUBMIT ELECTRICAL PANEL LAYOUT FOR APPROVAL.
3. SUBMIT CONTRACTOR DESIGN OF BACKUP PUMP, FLOAT SWITCH, AND STARTER PANEL.

P:\013007 MCCOURTNEY ROAD LANDFILL\LEACHATE IMPROVEMENTS_16.6.27.dwg J.R.B. 6/27/2016

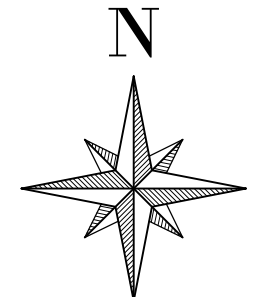
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					ENGINEER: J. SOLORIO	DATE:						DATE: 6/27/2016
					CHECKED BY: I. MCFADDEN	DATE:						



- LEGEND**
- - - - - APPROXIMATE PROPERTY BOUNDARY
 - - - - - 6" DIAMETER PERFORATED HDPE PIPE
 - LEACHATE CLOSED PIPE COLLECTION
 - - - - - LEACHATE SEEP INTERCEPTOR TRENCH WITH 6" DIAMETER SLOTTED HDPE PIPE
 - - - - - 1' DEEP BY 2' WIDE GRAVEL LEACHATE SEEP INTERCEPTOR TRENCH
 - **PS-1** LEACHATE PUMP STATION
 - 89/90 CELL DATE DURING WHICH WASTE CELL WAS FILLED

MAP ADAPTED FROM: 'LIQUIDS MANAGEMENT MAP FIGURE 5' (HOLDREGE & KULL, APRIL 2014)

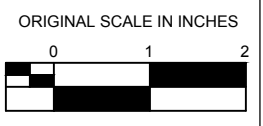
- REFERENCES:**
1. 1990-1991 DISPOSAL AREA McCOURTNEY ROAD LANDFILL (EMCON ASSOCIATES, JANUARY 1991)
 2. 2014 LEACHATE MANAGEMENT IMPROVEMENTS, McCOURTNEY ROAD LANDFILL (NEVADA COUNTY DEPARTMENT OF PUBLIC WORKS, JUNE 2012)
 3. FINAL CLOSURE PLAN DRAWINGS (BRYAN A. STIRRAT & ASSOCIATES, DECEMBER 1996)
 4. PUMP STATION 1 MANUAL, SECTION 2.4 (ENVIRONMENTAL SOLUTIONS, INC.)
 5. LEACHATE COLLECTION SYSTEM DETAILS FIGURES 1-10 (RESOURCE MANAGEMENT INTERNATIONAL INC., FEBRUARY 1990)
 6. McCOURTNEY ROAD LANDFILL SITE LEACHATE COLLECTION SYSTEM EXPANSION PROJECT (NEVADA COUNTY DEPARTMENT OF TRANSPORTATION AND SANITATION, OCTOBER 2002)



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DRAWN BY: M. STONE	SCALE: 1" = 300'
ENGINEER: J. SOLORIO	DATE: 00/00/0000
CHECKED BY: I. MCFADDEN	DATE: 00/00/0000



McCOURTNEY ROAD LANDFILL
NEVADA COUNTY

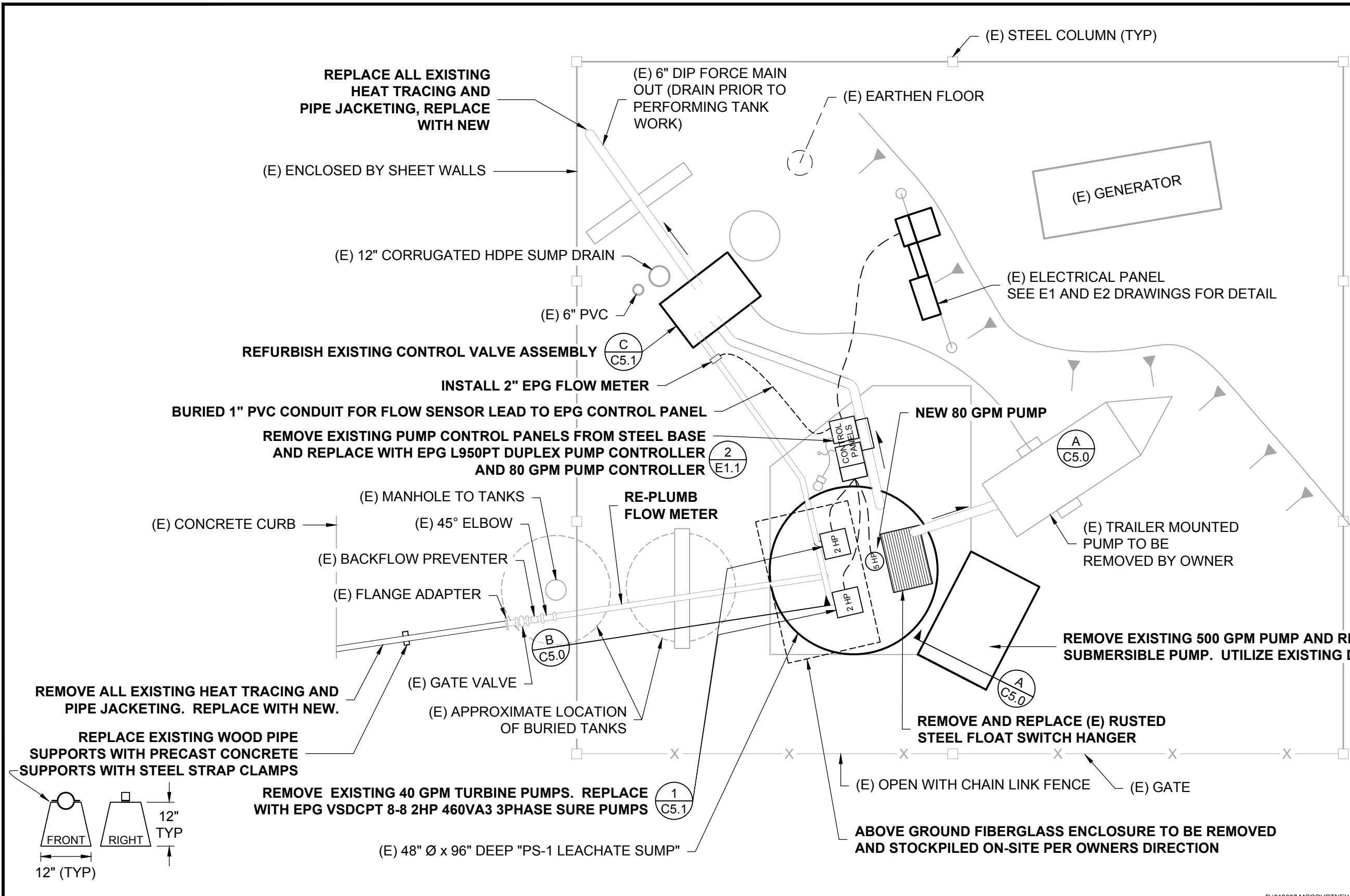
EXISTING LEACHATE PLAN/
SITE PLAN



DRAWING: C2.0
SHEET: 3 OF 11
DATE: 6/27/2016

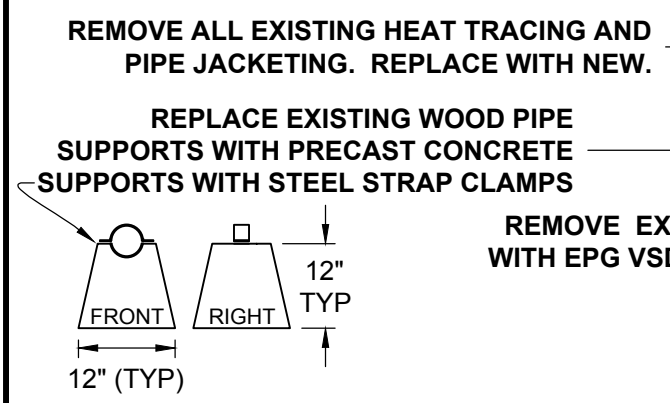
LEGEND

(E) : EXISTING
 (N) : NEW
 (TYP) : TYPICAL



(E) ELECTRICAL SERVICE PANEL AND METER

0 5 10 FEET



REMOVE EXISTING 40 GPM TURBINE PUMPS. REPLACE WITH EPG VSDCPT 8-8 2HP 460VA3 3PHASE SURE PUMPS (1) C5.1

(E) 48" Ø x 96" DEEP "PS-1 LEACHATE SUMP"

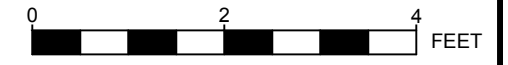
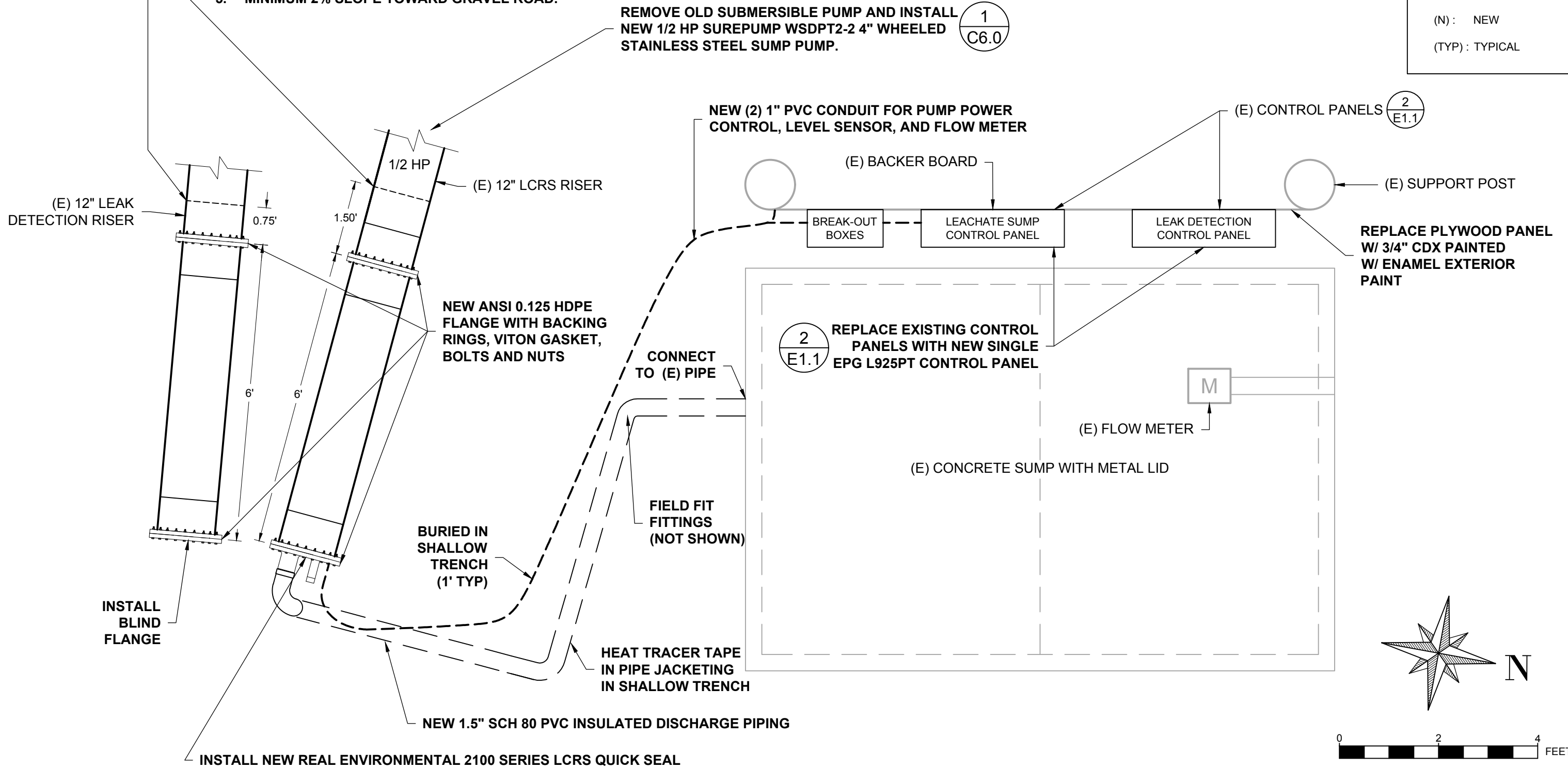
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					SCALE: 1" = 5'	SHEET: 4 OF 11					
					ENGINEER: J. SOLORIO	DATE: 00/00/0000					DATE: 6/27/2016
					CHECKED BY: I. MCFADDEN	DATE: 00/00/0000					

P:\013007 MCCOURTNEY ROAD LANDFILL\LEACHATE IMPROVEMENTS_16.6.27.dwg J.R.B. 6/27/2016

1. VERIFY PIPE SIZE AND WEIGHT.
2. CUT END OF HDPE PIPE WHERE SHOWN AND REMOVE DAMAGED FLANGE.
3. BUTT-FUSION WELD NEW SECTION OF PIPE TO THE LENGTHS SHOWN.
4. EXCAVATE EXISTING SOIL TO PROVIDE PROPER DRAINAGE AND CLEARANCE FROM BOTTOM OF EXTENDED RISER.
5. MINIMUM 2% SLOPE TOWARD GRAVEL ROAD.

LEGEND

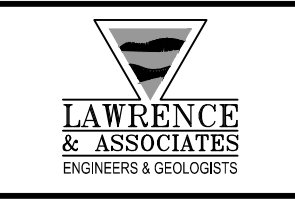
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- (N) : NEW
- (TYP) : TYPICAL



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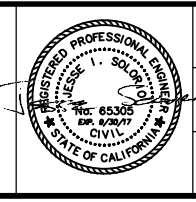


MCCOURTNEY ROAD LANDFILL

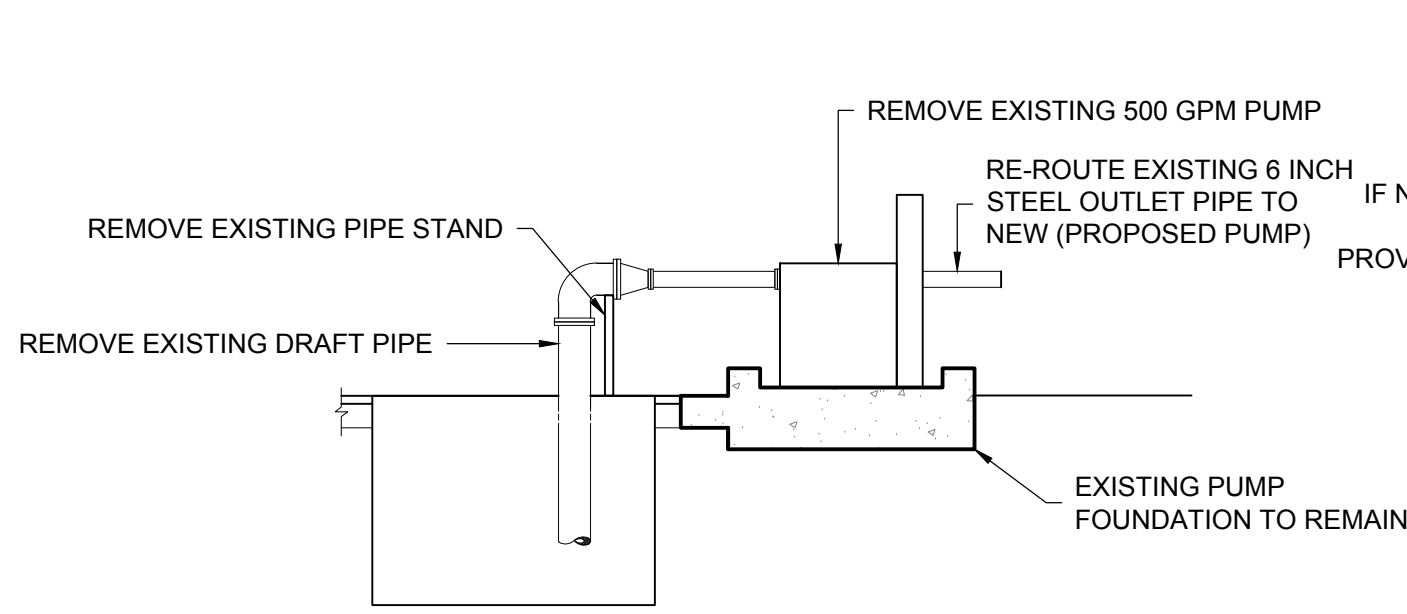
NEVADA COUNTY

PS-2 LEACHATE RISER SYSTEM

SHOWING MODIFICATIONS



DRAWING: C4.0
SHEET: 5 OF 11
DATE: 6/27/2016

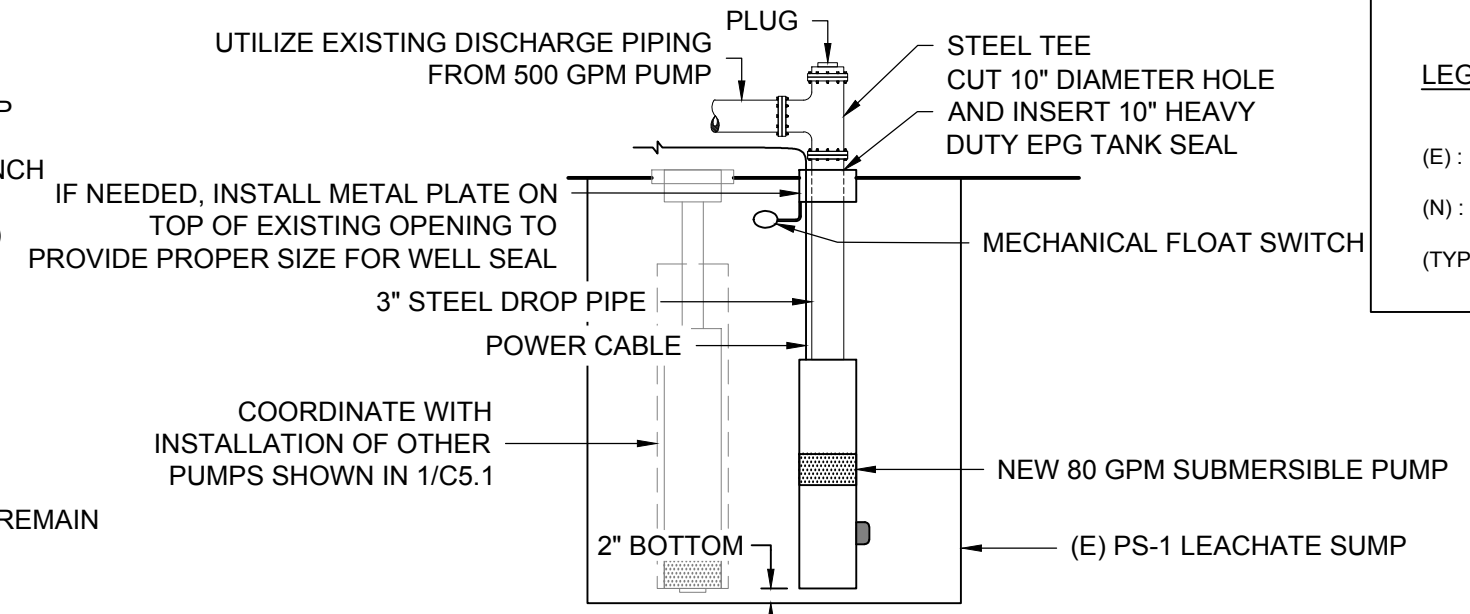


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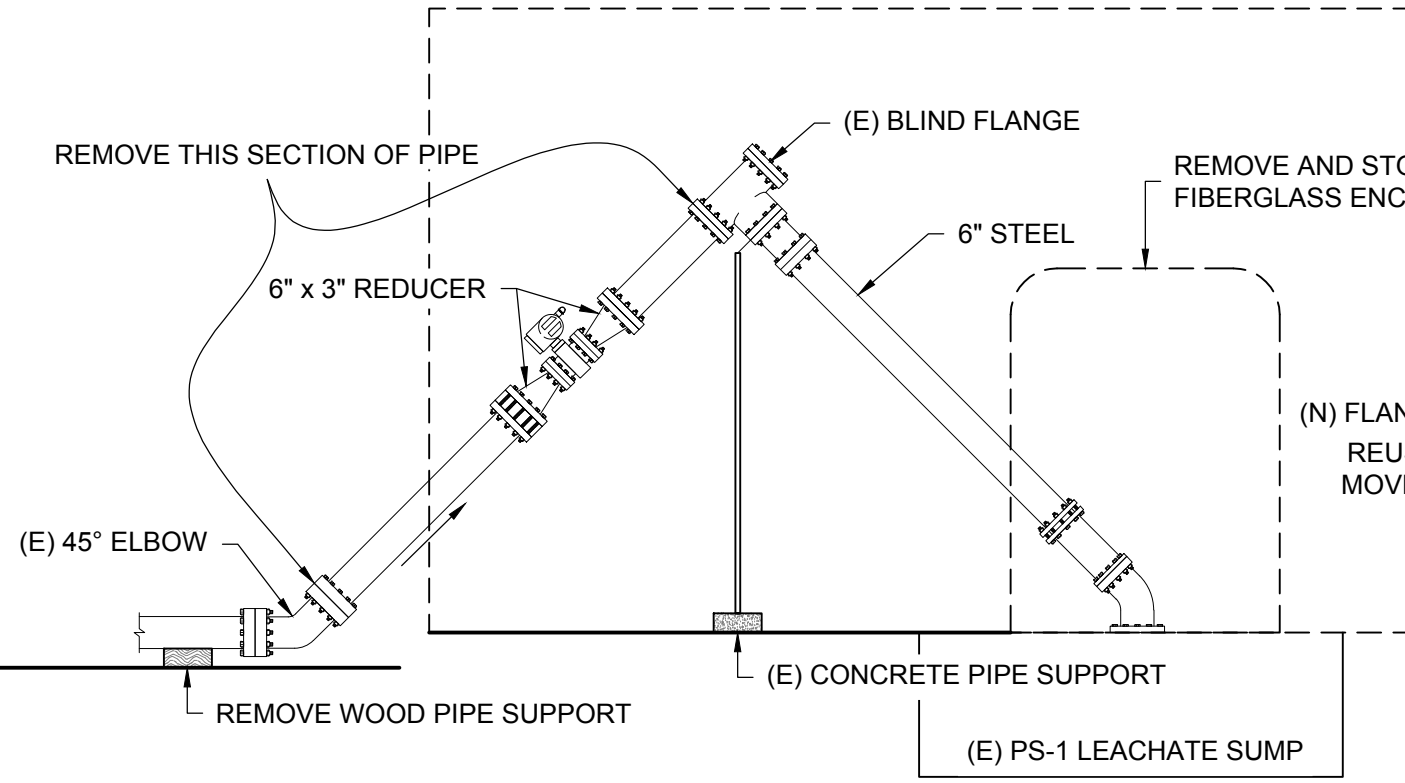
500 GPM PUMP BASIN CROSS SECTION

NOT TO SCALE



REPLACEMENT

LEGEND
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(N) : NEW
(TYP) : TYPICAL

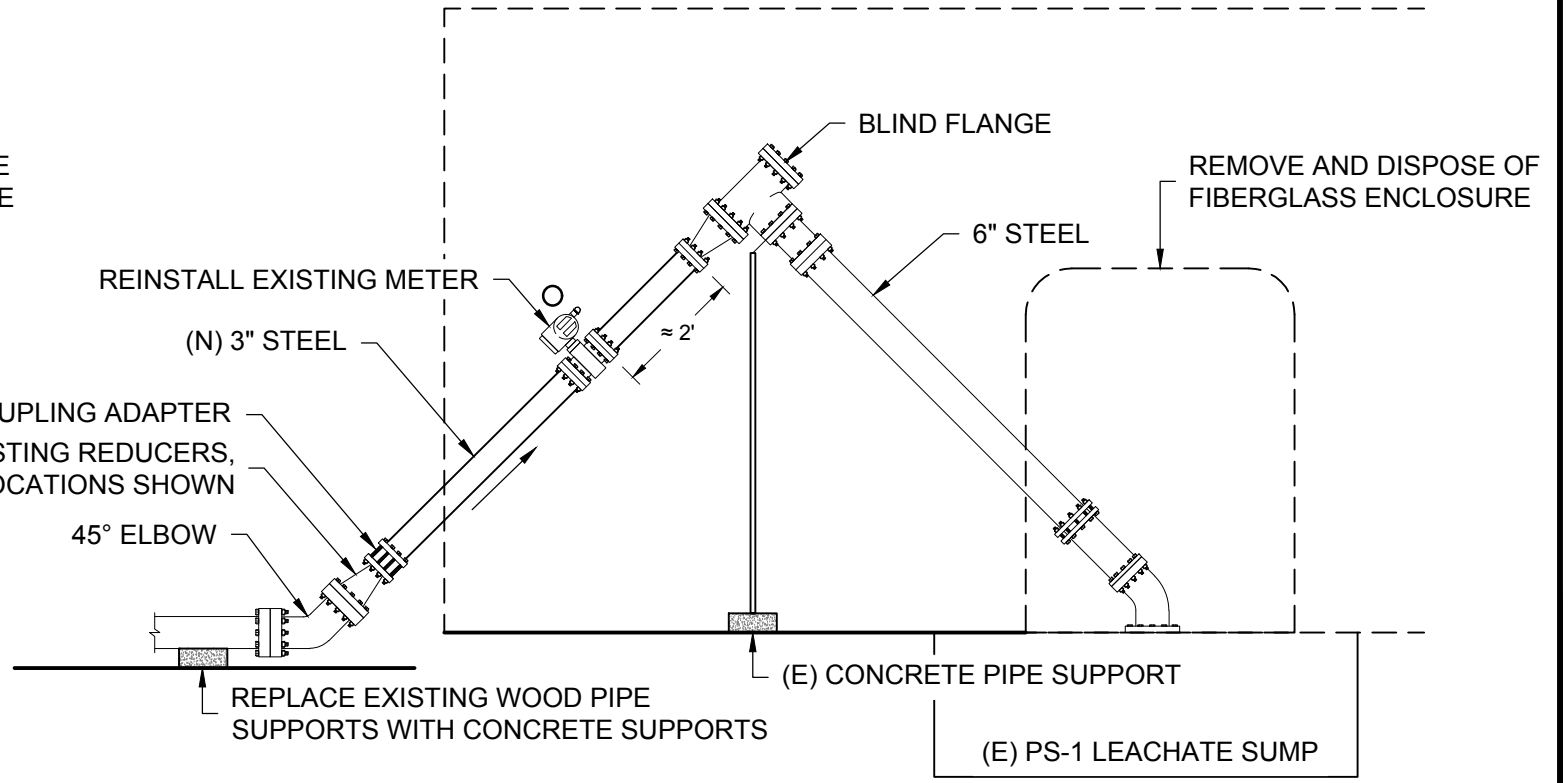


B
-

EXISTING

LEACHATE INLET PIPING

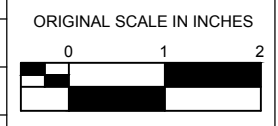
NOT TO SCALE



PIPING REVISIONS

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ENGINEER:
J. SOLORIO
DATE:
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CHECKED BY:
I. MCFADDEN
DATE:
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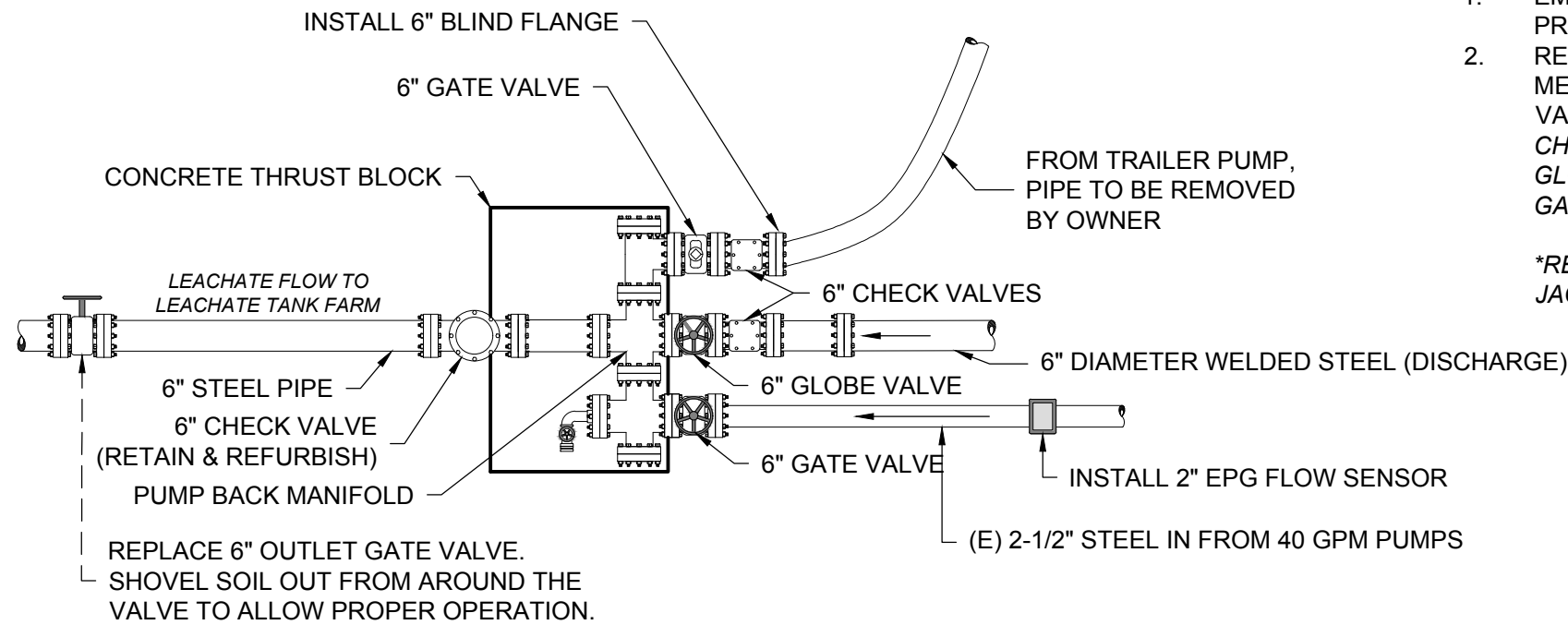


McCOURTNEY ROAD LANDFILL
NEVADA COUNTY

PS-1 DETAILS



DRAWING:
C5.0
SHEET:
6 OF 11
DATE:
6/27/2016



REPLACE 6" OUTLET GATE VALVE.
SHOVEL SOIL OUT FROM AROUND THE VALVE TO ALLOW PROPER OPERATION.

C EXISTING CONTROL VALVE ASSEMBLY
NOT TO SCALE

- NOTES:**
- EMPTY LEACHATE FROM ALL PIPES PRIOR TO WORK.
 - REFURBISH AND REPLACE MECHANISMS ON ALL EXISTING VALVES. VERIFY MODEL AND SIZE:
CHECK VALVES - 3
GLOBE VALVES - 1
GATE VALVES - 3

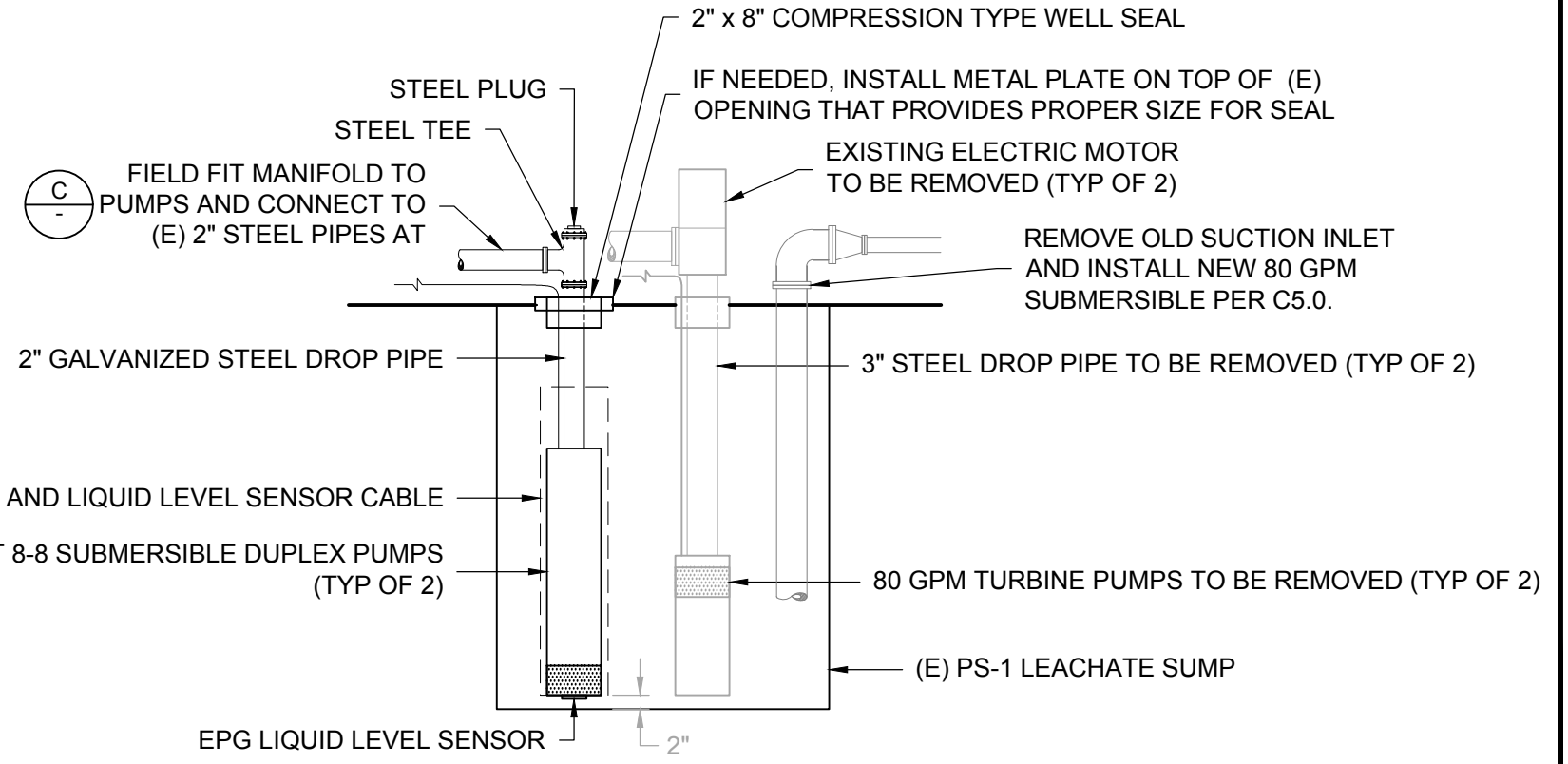
*REPLACE ALL HEAT TRACING & PIPE JACKETING ON DISTURBED PIPES

LEGEND

(E) :	EXISTING
(N) :	NEW
(TYP) :	TYPICAL

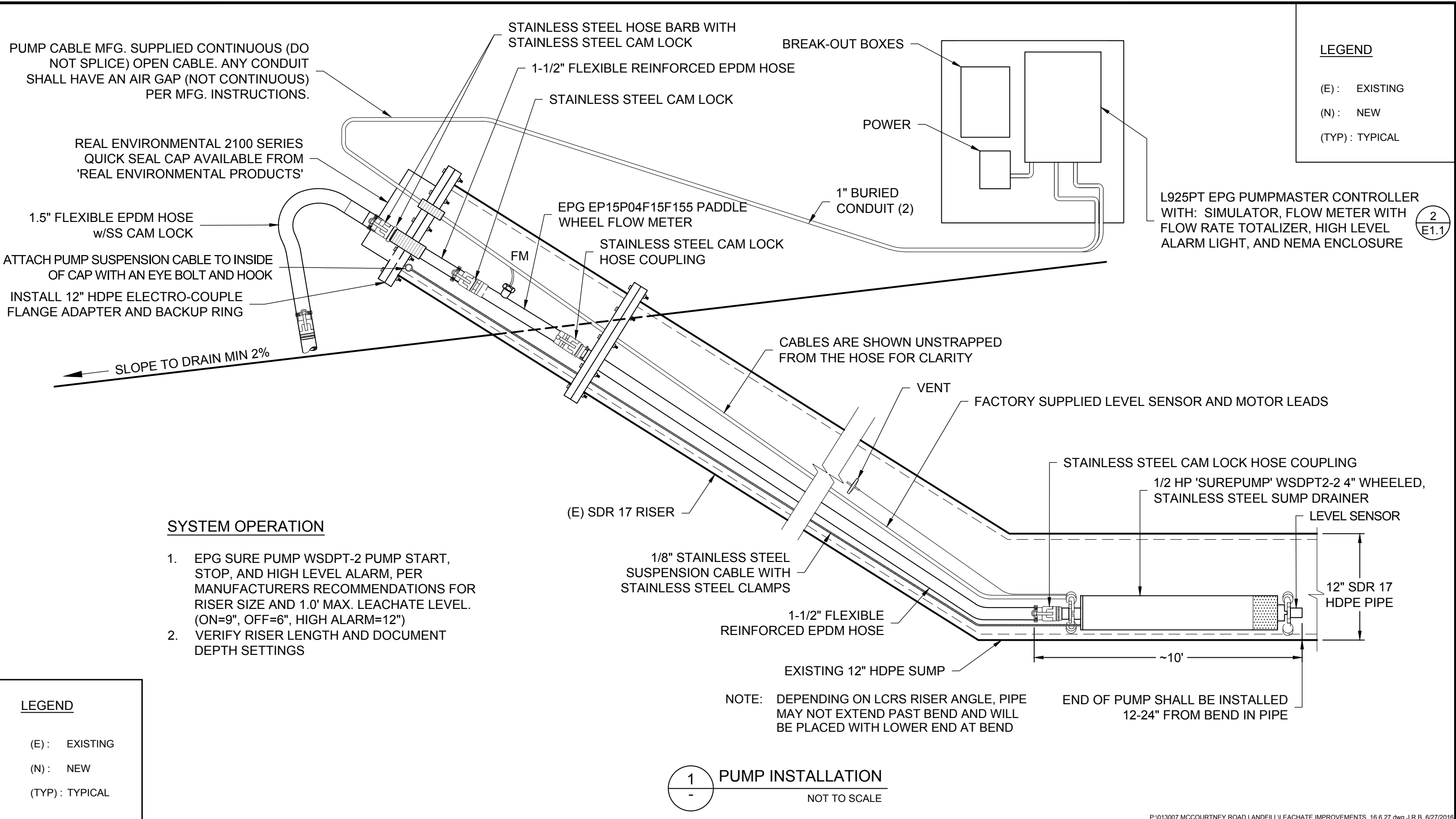
SYSTEM OPERATION

- SEE SPECIFICATION 15420



1 PUMP INSTALLATION
NOT TO SCALE

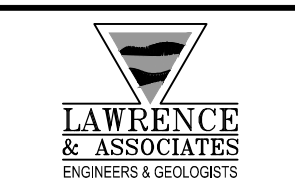
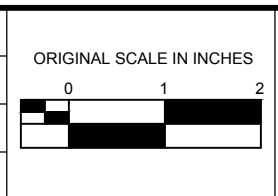
NO.	DATE	REVISIONS	BY	CHK	PROJECT NO: 013007.00	PROJECT ID: 0000	ORIGINAL SCALE IN INCHES 0 1 2		McCOURTNEY ROAD LANDFILL	NEVADA COUNTY	PS-1 DETAILS		DRAWING: C5.1
					DRAWN BY: M. STONE	SCALE: NOT TO SCALE							SHEET: 7 OF 11
					ENGINEER: J. SOLORIO	DATE: 00/00/0000							DATE: 6/27/2016
					CHECKED BY: I. MCFADDEN	DATE: 00/00/0000							



2
E1.1

NO.	DATE	REVISIONS	BY	CHK

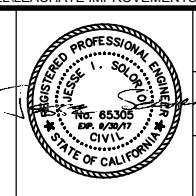
PROJECT NO: 013007.00	PROJECT ID: 0000
DRAWN BY: M. STONE	SCALE: NOT TO SCALE
ENGINEER: J. SOLORIO	DATE: 00/00/0000
CHECKED BY: I. MCFADDEN	DATE: 00/00/0000



McCOURTNEY ROAD LANDFILL

NEVADA COUNTY

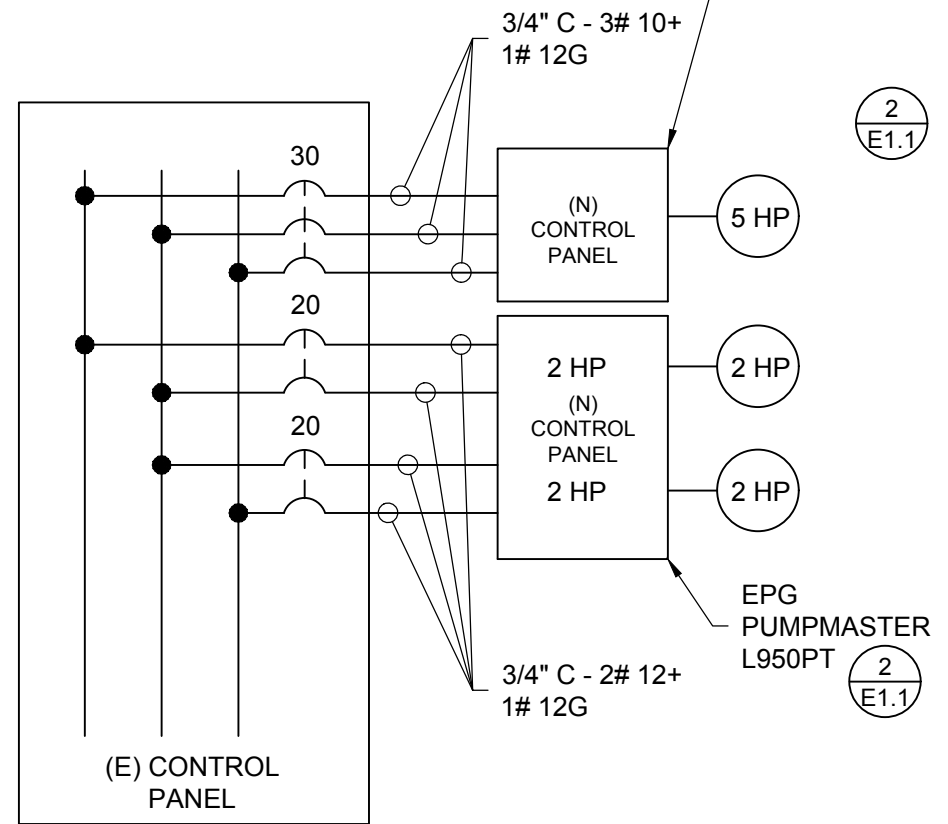
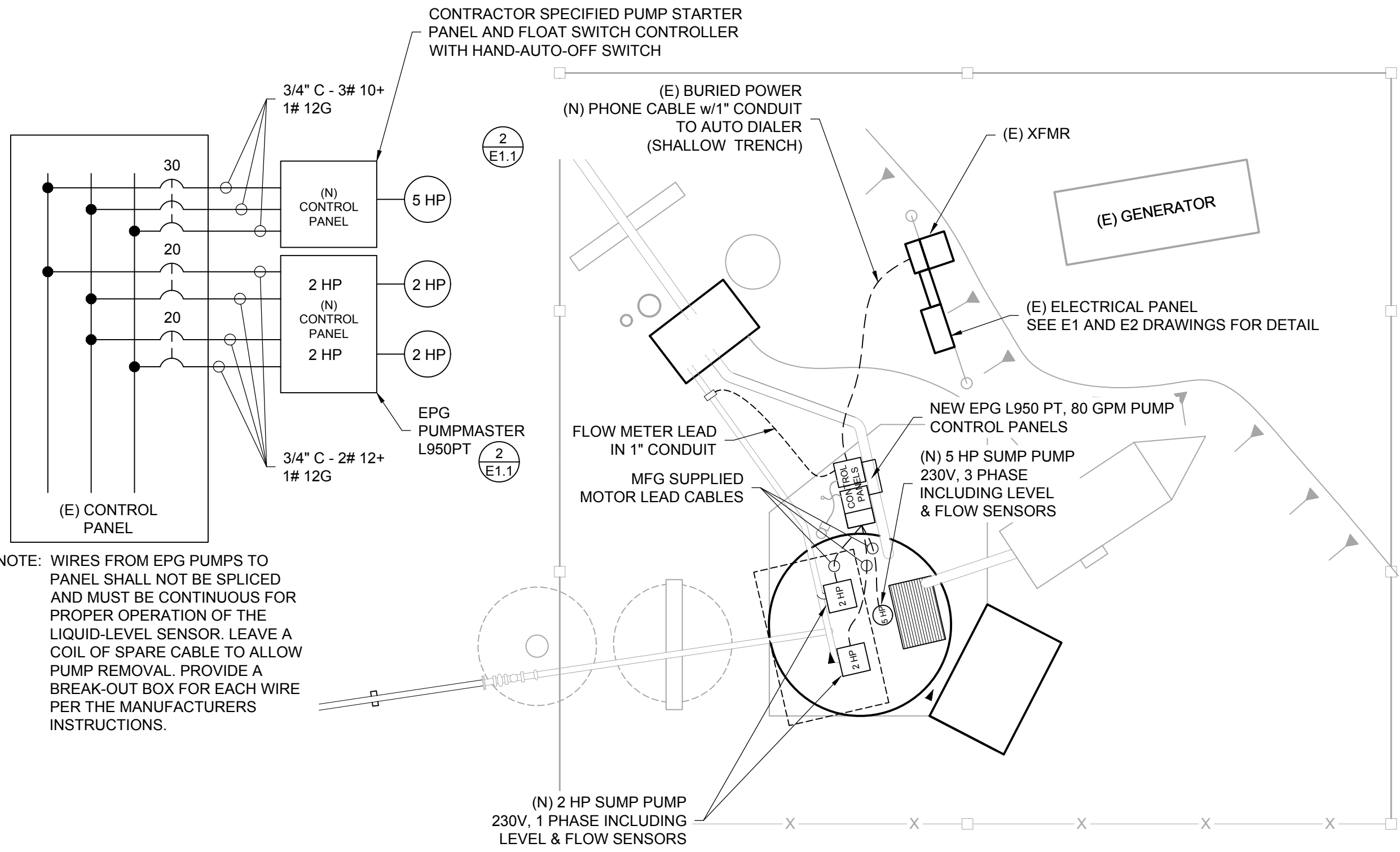
PS-2 DETAILS



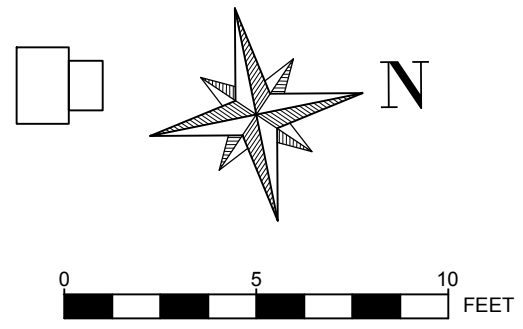
DRAWING: C6.0
SHEET: 8 OF 11
DATE: 6/27/2016

LEGEND

- (E) : EXISTING
- (N) : NEW
- (TYP) : TYPICAL

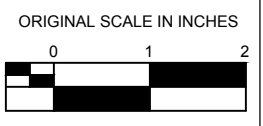


NOTE: WIRES FROM EPG PUMPS TO PANEL SHALL NOT BE SPLICED AND MUST BE CONTINUOUS FOR PROPER OPERATION OF THE LIQUID-LEVEL SENSOR. LEAVE A COIL OF SPARE CABLE TO ALLOW PUMP REMOVAL. PROVIDE A BREAK-OUT BOX FOR EACH WIRE PER THE MANUFACTURERS INSTRUCTIONS.



NO.	DATE	REVISIONS	BY	CHK

PROJECT NO: 013007.00	PROJECT ID: 0000
DRAWN BY: M. STONE	SCALE: 1" = 5'
ENGINEER: J. SOLORIO	DATE: 00/00/0000
CHECKED BY: I. MCFADDEN	DATE: 00/00/0000



McCOURTNEY ROAD LANDFILL
NEVADA COUNTY

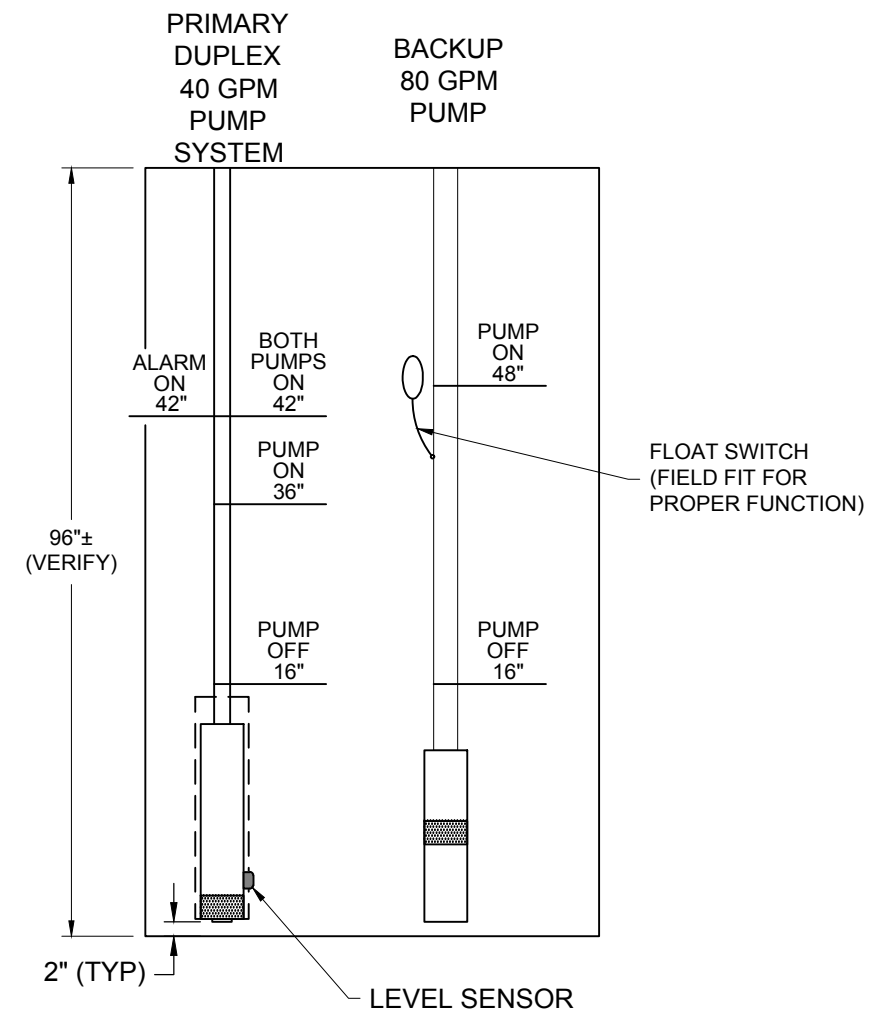
PS-1 ELECTRICAL



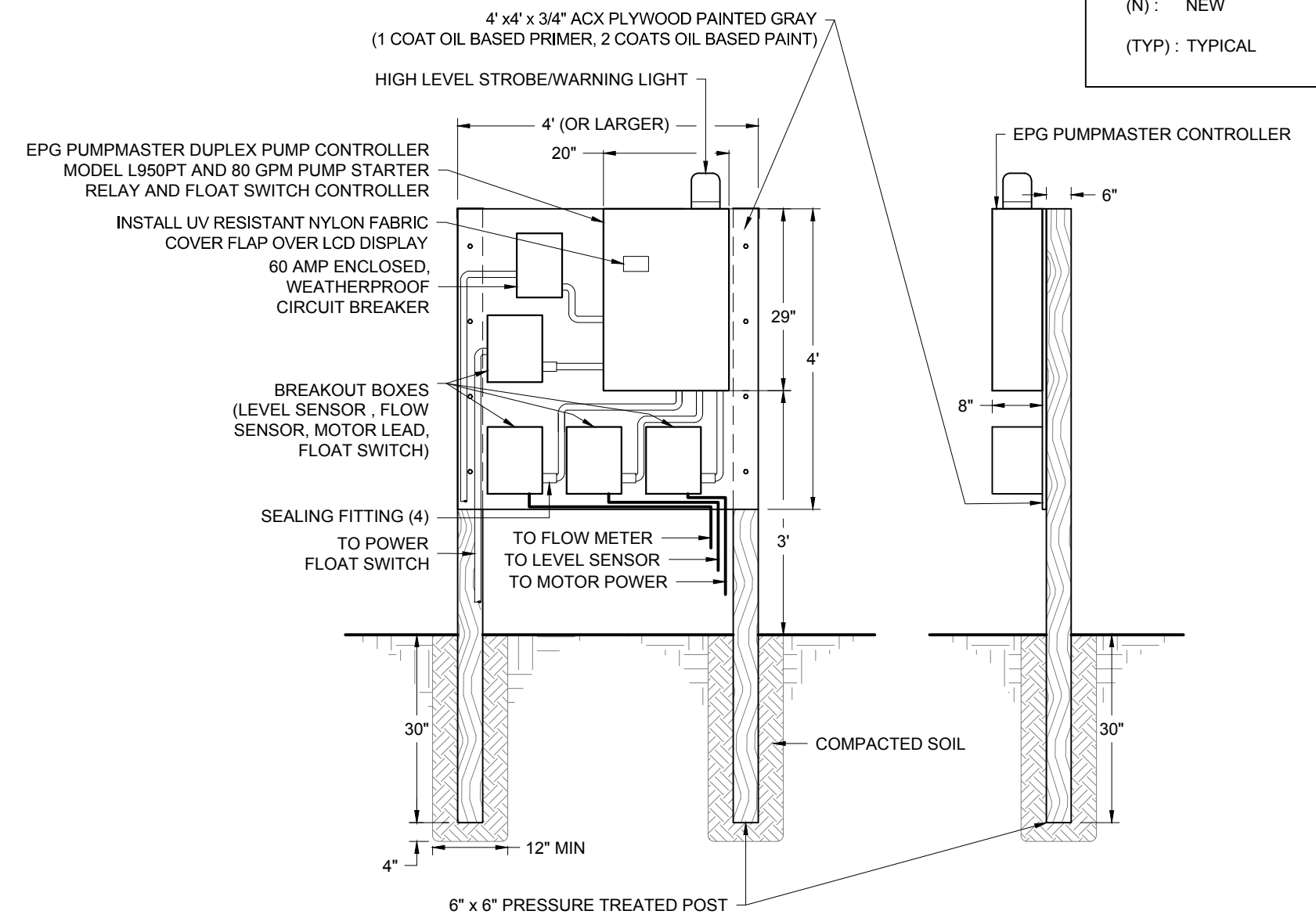
DRAWING: E1.0
SHEET: 9 OF 11
DATE: 6/27/2016

LEGEND

- (E) : EXISTING
- (N) : NEW
- (TYP) : TYPICAL



1 SCHEMATIC PUMP DIAGRAM
NOT TO SCALE



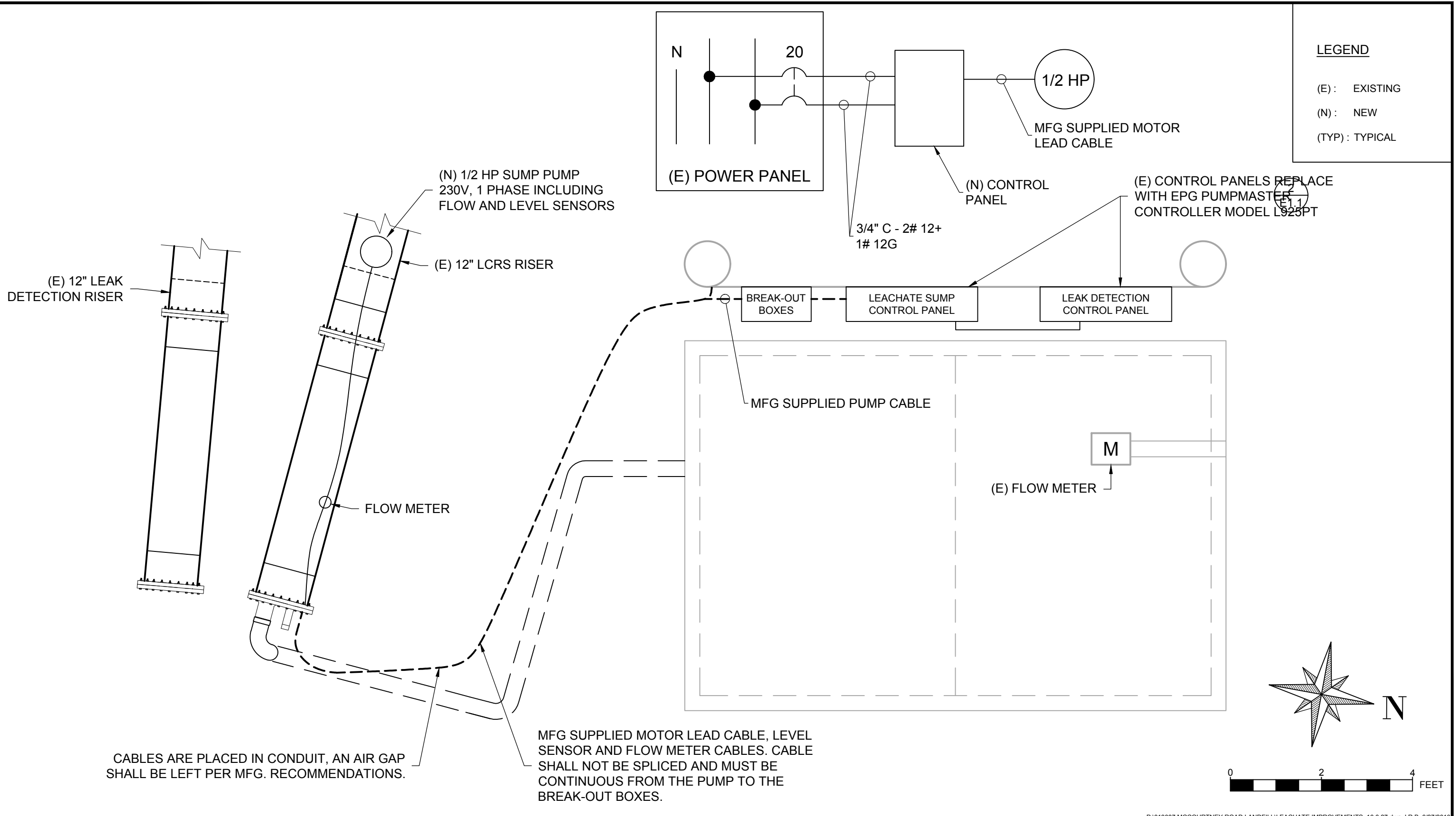
ELEVATION VIEW SIDE VIEW

2 TYPICAL LEACHATE PUMP CONTROLLER PANEL (2 EA.)
NOT TO SCALE

NOTE: CONTRACTOR MAY USE ONE PANEL EACH FOR DUPLEX PRIMARY PUMP SYSTEM AND BACKUP SYSTEM, OR ENLARGE PANEL FOR BOTH SYSTEMS-SUBMIT PROPOSED CONFIGURATION FOR APPROVAL

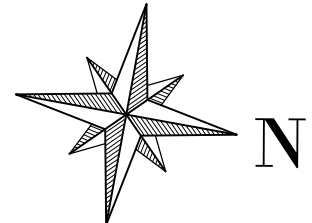
P:\013007 MCCOURTNEY ROAD LANDFILL\LEACHATE IMPROVEMENTS_16.6.27.dwg J.R.B. 6/27/2016

NO.	DATE	REVISIONS	BY	CHK	PROJECT NO: 013007.00	PROJECT ID: 0000			McCOURTNEY ROAD LANDFILL NEVADA COUNTY	PS-1 ELECTRICAL		DRAWING: E1.1
					DRAWN BY: M. STONE	SCALE: 1" = 2'						SHEET: 10 OF 11
					ENGINEER: J. SOLORIO	DATE: 00/00/0000						DATE: 6/27/2016
					CHECKED BY: I. MCFADDEN	DATE: 00/00/0000						



LEGEND

(E) : EXISTING
 (N) : NEW
 (TYP) : TYPICAL



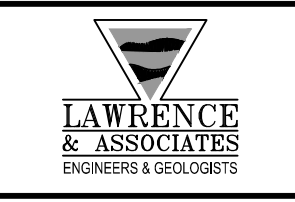
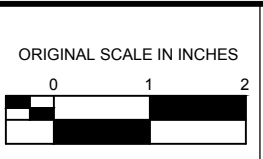
CABLES ARE PLACED IN CONDUIT, AN AIR GAP SHALL BE LEFT PER MFG. RECOMMENDATIONS.

MFG SUPPLIED MOTOR LEAD CABLE, LEVEL SENSOR AND FLOW METER CABLES. CABLE SHALL NOT BE SPLICED AND MUST BE CONTINUOUS FROM THE PUMP TO THE BREAK-OUT BOXES.

P:\013007 MCCOURTNEY ROAD LANDFILL\LEACHATE IMPROVEMENTS_16.6.27.dwg J.R.B. 6/27/2016

NO.	DATE	REVISIONS	BY	CHK

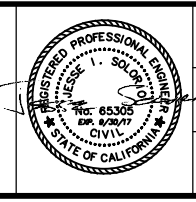
PROJECT NO: 013007.00	PROJECT ID: 0000
DRAWN BY: M. STONE	SCALE: 1" = 2'
ENGINEER: J. SOLORIO	DATE: 00/00/0000
CHECKED BY: I. MCFADDEN	DATE: 00/00/0000



MCCOURTNEY ROAD LANDFILL

NEVADA COUNTY

PS-2 ELECTRICAL



DRAWING: E2.0
SHEET: 11 OF 11
DATE: 6/27/2016