

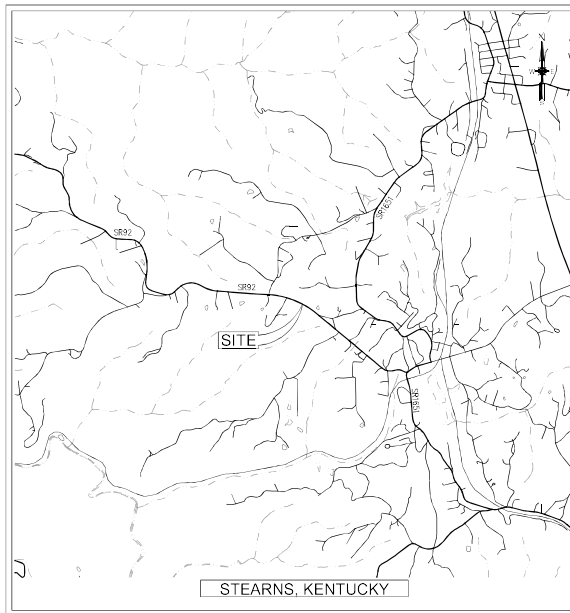
SANITARY SEWER COLLECTION SYSTEM EXPANSION

HWY 701 PUMP STATION - CHANGE ORDER # 2

CONTRACT NO. 39

MARCH 2022

LOCATION



SCALE: 1"=1000'

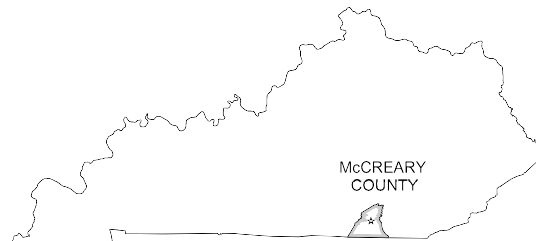
BOARD OF COMMISSIONERS

RANDY MIDD, CHAIRMAN
 MAYNARD NEW
 DOUG SEXTON
 COY TAYLOR
 RAYMOND TAYLOR
 STEPHEN WHITAKER, SUPERINTENDENT

MARCH 2022

Prepared For:

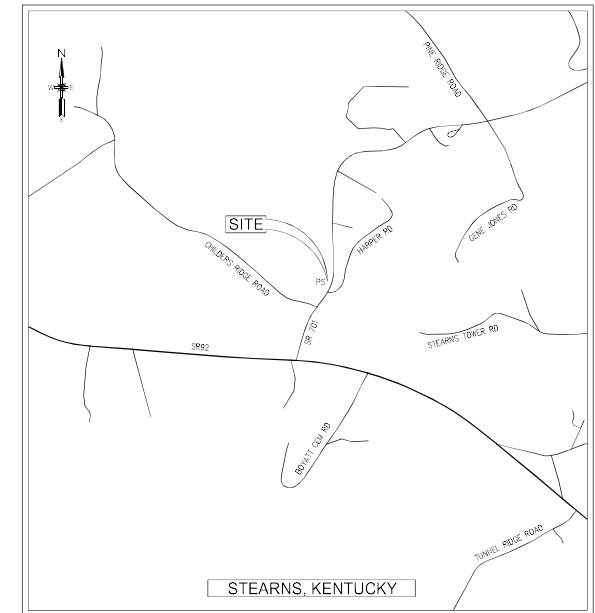
McCREARY COUNTY WATER DISTRICT
 456 N. HWY 27
 WHITLEY CITY, KENTUCKY 42653



INDEX OF DRAWINGS

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2	GENERAL NOTES, ABBREVIATIONS, LEGEND AND UTILITIES
64-65	LINE STA-15 PROFILE
103	HWY 701 PS SITE PLAN
104	HWY 701 PS DETAILS

LOCATION



SCALE: 1"=500'

Alan R. Robinson

Digitally signed by Alan R. Robinson
 DN: cn=Alan R. Robinson, o=Eclipse Engineers,
 PLLC, ou,
 email=arobinson@eclipseengineers.net, ou=5
 Date: 2022.04.25 14:49:26 -0400



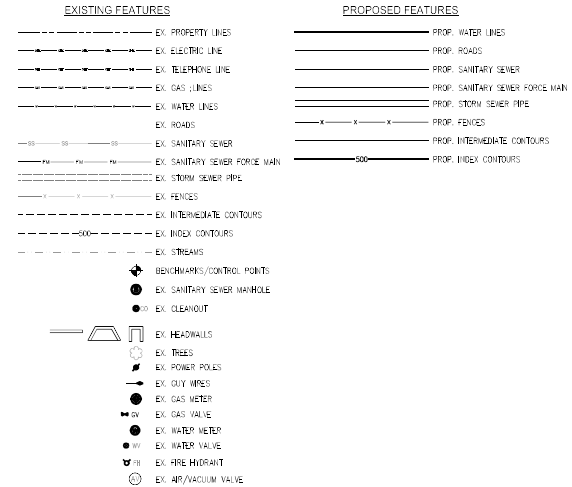
GENERAL NOTES

- EXISTING UTILITY LOCATIONS ARE APPROXIMATE (T-50). IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY UTILITY COMPANIES AND VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION. THE OWNER AND THE ENGINEER ARE NOT RESPONSIBLE FOR DAMAGES TO EXISTING UTILITIES THAT OCCUR DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE LOCATION OF THE EXISTING UNDERGROUND UTILITIES BY CALLING BUS (BEFORE YOU DIG) 800-752-8007.
- ACTUAL DEPTHS OF EXISTING UTILITIES SHALL BE VERIFIED PRIOR TO EXCAVATION. ADJUSTMENTS TO PROPOSED GRADES SHALL BE APPROVED BY THE ENGINEER.
- ANY ADJUSTMENTS OF PROJECTIONS OF EXISTING WATER AND GAS UTILITIES, DISTRIBUTION LINES OR SERVICE LINES SHALL BE PERMITTED BY OTHERS. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO PROTECT EXISTING UTILITIES TO THE MAXIMUM EXTENT POSSIBLE. THE CONTRACTOR SHALL COORDINATE WORK WITH THE OWNER TO MINIMIZE DISRUPTION OF EXISTING SERVICES. THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER 7 DAYS IN ADVANCE OF ANY WORK WHICH REQUIRES EXISTING UTILITIES TO BE TAKEN OUT OF SERVICE.
- ANY UNSUITABLE SUBGRADE MATERIAL ENCOUNTERED SHOULD BE REMOVED AND REPLACED WITH PROPERLY COMPACTED ENGINEERED FILL AT THE CONTRACTOR'S EXPENSE.
- EXISTING FENCES, WALLS, TREES, LANDSCAPING OR OTHER VEGETATION AND IMPROVEMENTS SHALL BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT POSSIBLE. TREES WHICH ARE ANTICIPATED TO BE DAMAGED OR REMOVED SHALL BE PLANTED AND REPAIRED WITH THE ENGINEER OR OWNER PRIOR TO PROCEEDING WITH ADJACENT WORK. THE CONTRACTOR SHALL RESTORE EXISTING IMPROVEMENTS TO CONDITIONS EQUAL TO PRE-CONSTRUCTION CONDITIONS. DAMAGED AREAS NOT APPROVED FOR REPAIRS, SHALL BE REPAIRED BY THE CONTRACTOR. FENCES REMOVED SHALL BE RESET AFTER WORK IS COMPLETE.
- COMBINATION AIR RELEASE VALVES SHALL BE PLACED AT HIGH POINTS IN FORCE MAINS IF ASO; LOCATIONS ARE APPROPRIATE.
- ALL NON-PAVED OUTSIDE AREAS SHALL BE RESTORED AFTER WORK IN THE IMMEDIATE VICINITY HAS BEEN COMPLETED IN ACCORDANCE WITH THE SPECIFICATIONS. RESTORATION SHALL BE COMPLETED NO LATER THAN TWO (2) WEEKS FOLLOWING COMPLETION OF WORK IN THE IMMEDIATE VICINITY.
- EXCAVATION IS UNCLASSIFIED, NO SEPARATE PAYMENT SHALL BE MADE FOR ROCK REMOVAL. BIDDERS ARE ENCOURAGED TO EXCAVATE TEST HOLES WITH COORDINATION OF THE OWNER. NO BIDDING WILL BE ALLOWED.
- THE CONTRACTOR SHALL MAINTAIN CONTINUOUS ACCESS TO ALL COMMERCIAL ESTABLISHMENTS AND RESIDENTIAL DWELLINGS.
- FOR EROSION CONTROL PURPOSES, THE CONTRACTOR SHALL STOCKPILE EXCAVATED TRENCH MATERIAL ON THE UPRILL SIDE (OPPOSITE OF STREAM) OR EXPOSED TRENCH.
- ALL NEW MANHOLES SHALL INCLUDE FLOW CHANNELS WITH DEPTHS EQUAL TO THE DIAMETER OF THE SEWER PIPE.
- ALL MANHOLES ARE 4' DIAMETER UNLESS OTHERWISE NOTED.
- CONTRACTOR IS RESPONSIBLE FOR TEMPORARY FACILITIES TO MAINTAIN SEWER SERVICE. NO BYPASSING SHALL BE ALLOWED. CONTRACTOR SHALL SUBMIT A CONSTRUCTION PHASING PLAN TO INCLUDE MAINTAINING EXISTING SERVICE.
- NEW SANITARY SEWERS WILL NOT BE ACCEPTED UNTIL ALL TESTING REQUIRED BY THE CONTRACT DOCUMENTS ARE COMPLETED.
- MANHOLE RINGS SHALL BE SET TO SPECIFIED GRADES, BUT IN NO CASE BELOW SURROUNDING GROUND.
- ALL FORCE MAINS SHALL BE MARKED BY USING DETECTABLE MOLAR SEWER LINE TAPE APPROVED BY THE ENGINEER. (18" BELOW FINAL GRADE).
- BECKMARKS/CONTROL POINTS ARE SHOWN ON EACH SITE PLAN. THE CONTRACTOR SHALL USE THESE POINTS FOR LAYOUT OF THE PROPOSED WORK.
- ELEVATIONS SHOWN ARE BASED ON FEET ABOVE MEAN SEA LEVEL FROM CIPM NAD83. THE CONTRACTOR SHALL VERIFY THE ENGINEER'S MEASUREMENTS OF ANY DIFFERENCES IN FIELD CONDITIONS AND THE MARKING.
- NO SEPARATE PAY ITEM HAS BEEN ESTABLISHED FOR FITTINGS AND NO DETERMINATION OF THE NUMBER OF FITTINGS REQUIRED ON THE JOB HAS BEEN MADE. THE CONTRACTOR, DURING THE BIDDING PHASE, SHALL DETERMINE THE NUMBER OF FITTINGS REQUIRED ON THE JOB AND INCLUDE THE COST OF THE FITTINGS AND INSTALLATION IN THE CONTRACT. OUTPIPE OF 1" OF PIPE, PUMP STATIONS WILL BE BIDS THROUGH THE VALVE VAULT.
- SILT CHECKS/FENCES SHALL BE PROVIDED TO PREVENT SEDIMENT RUNOFF FROM ENTERING THE CREEK. SILT CHECKS SHALL BE INSTALLED PER THE SPECIFICATIONS.
- CONTRACTOR SHALL ENSURE THAT ALL NEW AND REPAIRED AREAS ALLOW THE FOLLOWING:
 - SLOPE DIRECTLY AWAY FROM VERTICALLY OR GRASS AREAS.
 - SLOPE DIRECTLY AWAY FROM ALL STRUCTURES.
 - PAVEMENT AND BACKFILL IS PLACED IN A MANNER WHICH PREVENTS FLOODING.
- CONTRACTOR SHALL REPAIR OR REPLACE AREAS OF ROADS, DRIVEWAYS, OR SIDEWALKS DAMAGED DURING CONSTRUCTION.
- ALL FITTINGS 4" AND LARGER SHALL BE DUCTILE IRON RESTRAINED JOINT.
- ALL FORCE MAINS SHALL BE MARKED BY USING DETECTABLE MOLAR WATER LINE TAPE AND COPPER TRAZER WIRE APPROVED BY THE ENGINEER. (A MINIMUM OF 18" BELOW FINAL GRADE).
- SEPTIC TANK AND HOLDING TANK LOCATIONS (IF SHOWN) ARE APPROXIMATE. CONTRACTOR SHALL VERIFY LOCATION OF TANKS AND DEPTH OF LATERALS FROM INSIDE PRIOR TO THE DEVELOPMENT PRIOR TO THE DEVELOPMENT OF MANHOLE SHOP DRAWINGS AND PRIOR TO ANY OTHER EXCAVATION. IF ANY LATERAL LINES ARE FOUND TO BE UNUSUALLY DEEP (MORE THAN 3' OR LOWER) THEN THE CONTRACTOR IS RESPONSIBLE TO SPRING HOLE TESTS PRIOR TO THE ENGINEER PRIOR TO BEGINNING THE WORK.
- LATERAL SEWER LINES SHALL BE 4-INCH PVC 35 UNLESS NOTED OTHERWISE. LINES SHALL MAINTAIN A UNIFORM SLOPE OF A MINIMUM OF .7% (CLEANOUTS (CO) SHALL BE INSTALLED AT ALL INTERLOCKS AND VERTICAL CHANGES IN DIRECTION AND SHALL BE PLACED IN STRAIGHT RUNS SUCH THAT THE MAXIMUM DISTANCE BETWEEN CLEANOUTS IS 200 FEET.

ABBREVIATIONS

AV _____ AIR/VACUUM VALVE	B _____ BOTTOM	CI _____ CAST IRON	C _____ CENTERLINE	CCP _____ CORRUGATED METAL PIPE	CD _____ CLEAN OUT	CONC _____ CONCRETE	CONST _____ CONSTRUCT	CPV _____ CORRUGATED PLASTIC PIPE	D _____ DRAIN	DA, Ø _____ DIAMETER	DI _____ DUCTILE IRON	DIP _____ DUCTILE IRON PIPE	DIST _____ DISTURBED	EL _____ ELEVATION	EOP _____ EDGE OF PAVEMENT	EX, EXIST _____ EXISTING	FM _____ FIRE HYDRANT	FLH _____ FLUSHING HYDRANT	FM _____ FORCE MAIN	F.V. _____ FIELD VERIFY	FC _____ FLUSHING CONNECTION	GAL _____ GALLON	GL _____ GAS LINE	GM _____ GAS METER	GS _____ GAS SERVICE LINE	GV _____ GATE VALVE	HDPPE _____ HIGH-DENSITY POLYETHYLENE	IE _____ INVERT ELEVATION	INV _____ INVERT	KDGM _____ KENTUCKY DEPARTMENT OF HIGHWAYS	LA _____ LATERAL ASSEMBLY	M _____ MANHOLE	MAX _____ MAXIMUM	M.J. _____ MECHANICAL JOINT	MIN _____ MINIMUM	N.L.S. _____ NOT IN SERVICE	OD _____ OUTSIDE DIAMETER	P.E. _____ POLYETHYLENE	PROP _____ PROPOSED	PV _____ PLOD VALVE	PVC _____ POLYVINYL CHLORIDE	ROP _____ REINFORCED CONC. PIPE	RED _____ REDNER	REINP. _____ REINFORCED	RES _____ RESOURCED	N.J. _____ RESTRAINED JOINT	RW _____ RAW WATER	SHED _____ SHED	S.S. _____ SANITARY SEWER	ST _____ SEPTIC TANK	STEEL _____ STEEL	T _____ TOP	T.B.A. _____ TO BE ABANDONED	T.B.R. _____ TO BE REMOVED	T.P. _____ TO REMAIN	TY _____ TYPICAL	UN.O. _____ UNLESS NOTED OTHERWISE	VERT _____ VERTICAL	W _____ WATER LINE	W.M. _____ WATER LINE WARNER	WM _____ WATER METER	WS _____ WATER SERVICE LINE	UE _____ UNDERGROUND ELECTRIC	COB _____ OPERATIONAL SCENE	OC _____ OPEN CUT
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LEGEND



UTILITIES

CALL BEFORE YOU DIG
1-800-752-8007

TELEPHONE
 HUN AND TELEPHONE CO-OP
 25 5TH KING ROAD
 WHITLEY CITY, KENTUCKY 42653
 PHONE (800) 376-5371

WATER
 131 ANESBURY AVE
 MADISON, KENTUCKY 41965
 MR. OSCAR BEANE
 PHONE (606) 249-7243

CABLE
 SPECTRUM
 5006 SOUTH HIGHWAY 27
 SOMERSET, KENTUCKY 42501
 MS. DARREL HARRIS
 OFFICE (606) 678-9215, EXT. 404
 CELL: (606) 271-2501

POWER
 SOUTH KENTUCKY RECO
 51 CENTERS 42654
 WHITLEY CITY, KY 42653
 PHONE (800) 264-5112

WET-1
 MCCRACKEN COUNTY WATER DISTRICT
 425 N. HUNT ST
 WHITLEY CITY, KENTUCKY 42653
 MR. STEVEN HARTNER
 PHONE: 606-376-7240

SANITARY SEWER
 MCCRACKEN COUNTY WATER DISTRICT
 425 N. HUNT ST
 WHITLEY CITY, KENTUCKY 42653
 MR. STEVEN HARTNER
 PHONE: 606-376-7240

GAS 1
 CTRIPROSES
 37 COURTHOUSE SQUARE
 WHITLEY CITY, KY 42653
 MR. BILL WEBB
 PHONE: (800) 378-8373



SCALE	DESIGNED BY	DATE	REVISION	BY	DATE

MCCRACKEN COUNTY
 WATER DISTRICT
 425 N. HUNT ST
 WHITLEY CITY, KENTUCKY 42653

GENERAL NOTES, ABBREVIATIONS,
 LEGEND AND UTILITIES
 SANITARY SEWER COLLECTION SYSTEM EXPANSION
 PHASE ONE - CONTRACT NO. 39

Alan R. Robinson



DATE	BY	REVISION

McCREARY COUNTY
 WATER DISTRICT
 WHITLEY CITY, KENTUCKY 40383

PLAN
 SANITARY SEWER COLLECTION SYSTEM EXPANSION
 PHASE ONE - CONTRACT NO. 39

SHEET NUMBER:
 25

ECLIPSE ENGINEERS, PLLC
 501 EAST WYOMING STREET
 STAMFORD, KENTUCKY 40380
 PHONE: 606-451-0959

SCALE	DESIGNED BY	DATE
1"=80'	WBD	
	AMR	

CHECKED BY	CHECKED BY	CHECKED BY

FSA, USDA, NAIP, ©





FSA, USDA, NAIP, DGI



NO.	DATE	BY	REVISION

McCREARY COUNTY
WATER DISTRICT
WITLEY CITY, KENTUCKY 40363

PLAN
SANITARY SEWER COLLECTION SYSTEM EXPANSION
PHASE ONE - CONTRACT NO. 39

SHEET NUMBER:
26



COTTEY WOODSON & SONIA - ESTATE
10283 WILSON ST.
STEARNS KY 40367



ECLIPSE ENGINEERS, PLLC
 1500 W. WINDY HILL
 STAMFORD, KENTUCKY 40380
 PHONE: 502-338-0980

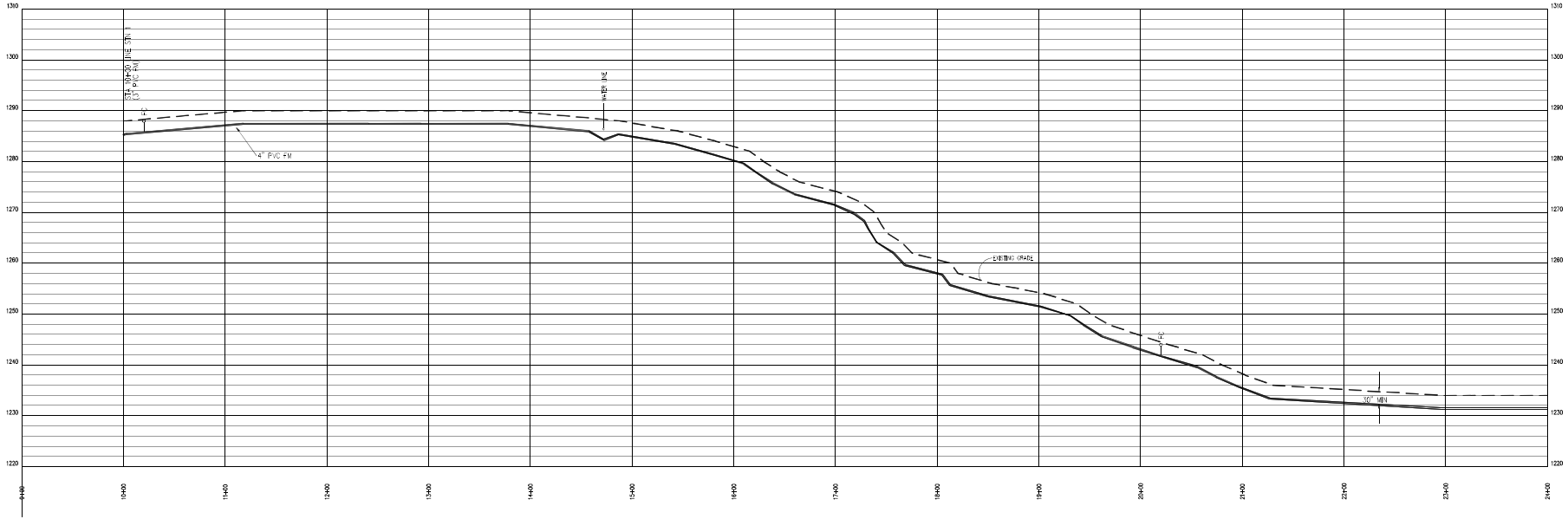
DATE	BY	REVISION

SCALE	DATE	BY	REVISION

MCCREARY COUNTY
WATER DISTRICT
 SANITARY SEWER COLLECTION SYSTEM EXPANSION
 PHASE ONE - CONTRACT NO. 39
 WHITLEY CITY, KENTUCKY 40363

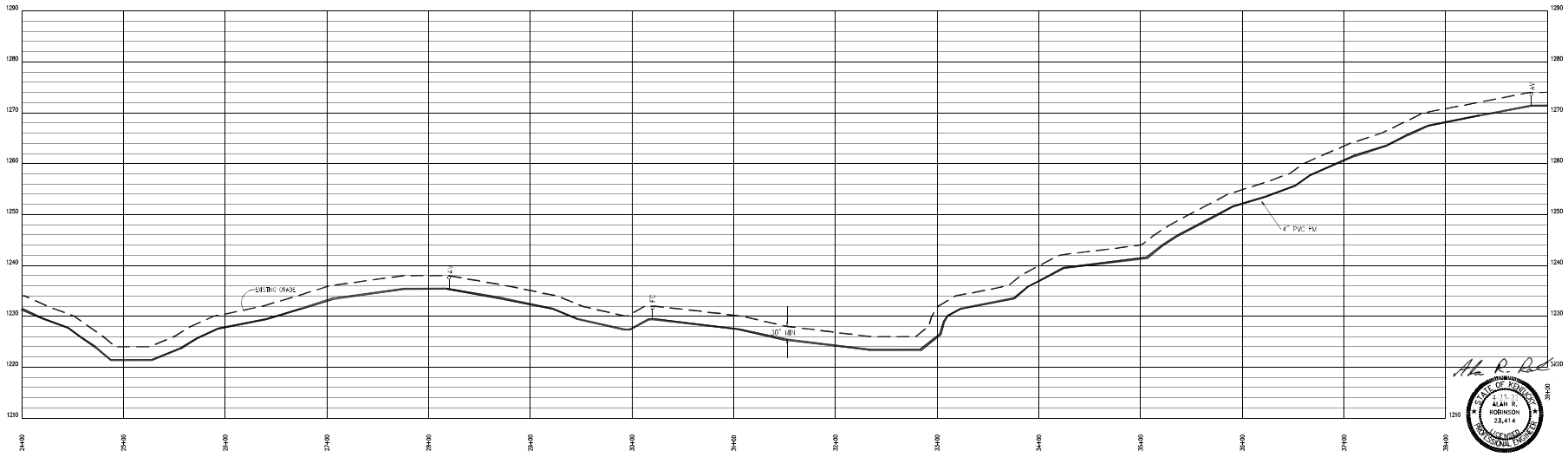
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SANITARY SEWER PROFILE LINE STN 15 FM



PROFILE SCALE
 VERTICAL: 1" = 10'
 HORIZONTAL: 1" = 50'

SANITARY SEWER PROFILE LINE STN 15 FM



Alan R. Reed
 STATE OF KENTUCKY
 PROFESSIONAL ENGINEER
 NO. 23,414



DATE:	
REVISION:	
BY:	
DATE:	
DESIGNED BY:	AKR
CHECKED BY:	AKR
PROJECT NO.:	10016
DATE:	03/02/2022
DRAWN BY:	

MCCREARY COUNTY
 WATER DISTRICT
 486 N. IRVY ST
 WHITLEY CITY, KENTUCKY 40360

PROFILE LINE STN 15
 SANITARY SEWER COLLECTION SYSTEM EXPANSION
 PHASE ONE - CONTRACT NO. 39

SHEET NUMBER:
64



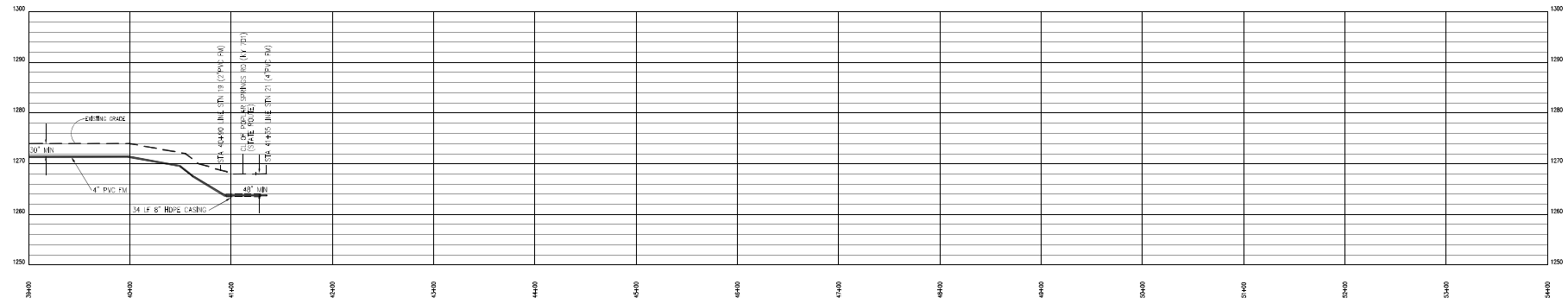
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REVISION:	
BY:	
CHECK:	
DATE:	
PROJECT NO.:	00016
DATE:	03/02/22
SCALE:	AS SHOWN

MCCREARY COUNTY
WATER DISTRICT
486 N. IRVY ST
WHITLEY CITY, KENTUCKY 40360

PROFILE LINE STN 15, STN 17, AND STN 18
SANITARY SEWER COLLECTION SYSTEM EXPANSION
PHASE ONE - CONTRACT NO. 39

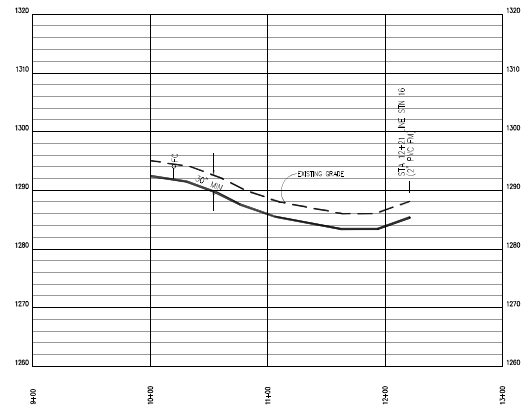
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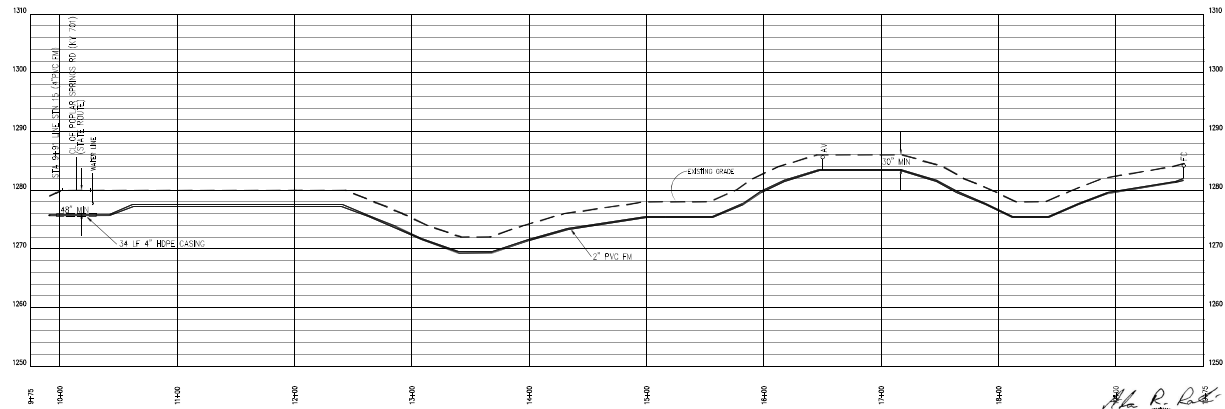


PROFILE SCALE
VERTICAL: 1"=10'
HORIZONTAL: 1"= 50'

PROFILE LINE STN 17 FM

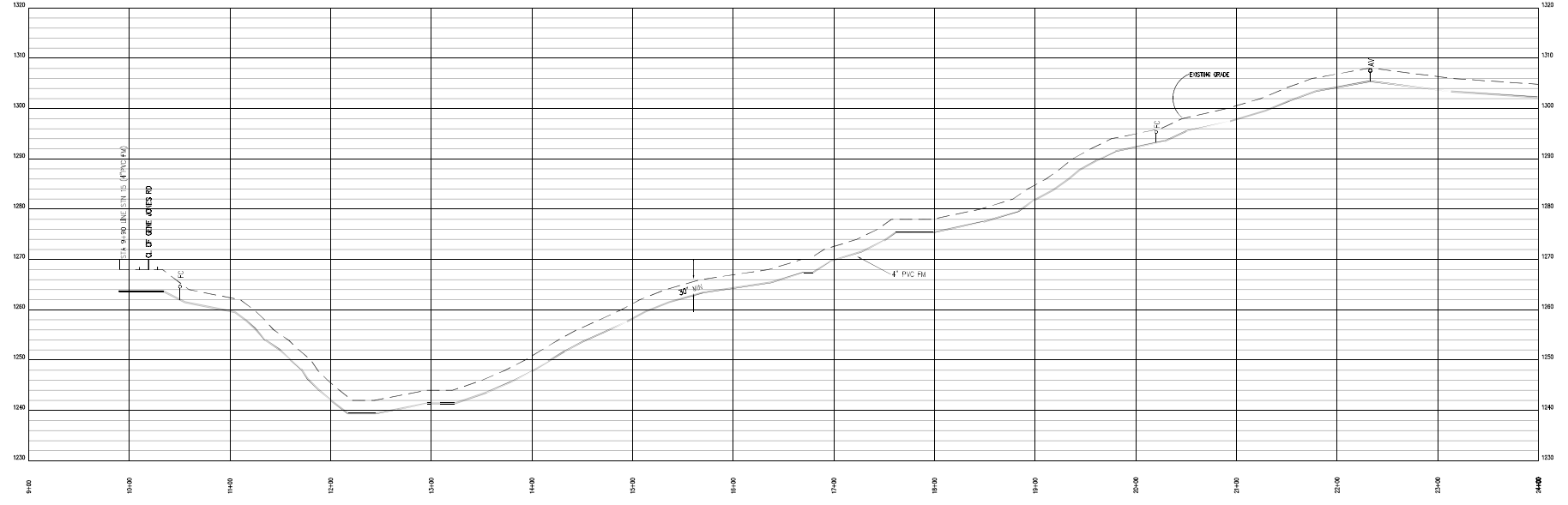


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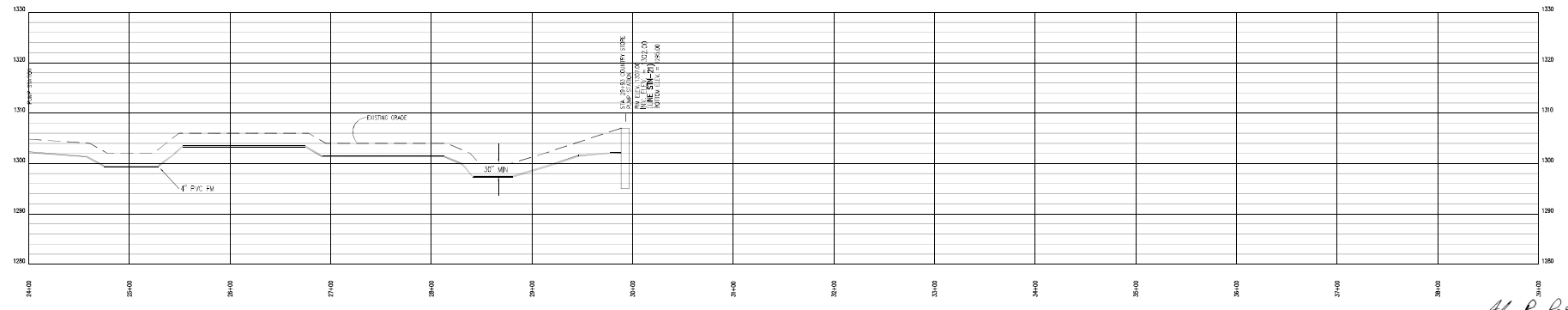
A. R. D.
ALAN R. ROBINSON
REGISTERED PROFESSIONAL ENGINEER
KENTUCKY
25,414

SANITARY SEWER PROFILE LINE STN 21 FM



PROFILE SCALE
 VERTICAL: 1" = 10'
 HORIZONTAL: 1" = 50'

SANITARY SEWER PROFILE LINE STN 21 FM



REVISION	BY	DATE

SCALE: 1" = 10'
 DESIGNED BY: WBD
 DRAWN BY: ABR
 CHECKED BY: ABR
 DATE: AUGUST 2020
 CAD DWG ID: JRM 16/11/20/16/10/000

McCREARY COUNTY
 WATER DISTRICT
 WHITLEY CITY, KENTUCKY 40383

PROFILE LINE STN 21
 SANITARY SEWER COLLECTION SYSTEM EXPANSION
 PHASE ONE - CONTRACT NO. 39

SHEET NUMBER:
70



CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING DELIVERY OF 3P POWER TO NEW SERVICE POLE

ELECTRIC SERVICE POLE

HWY 701 PUMP STATION
NORTHING = 3418791.372
EASTING = 5289146.177

GRAVEL FENCED AREA

20' GATE

20' ASPHALT APRON

ROSE LINDA S
6 CHILDERS RIDGE RD
STEARNS KY 42647

R=8'

4" PVC RM
POPLAR SPRING RD (KY 701)

HARPER RD

UPCHURCH ALICE
PO BOX 344
STEARNS KY 42647

UPCHURCH ALICE
PO BOX 344
STEARNS KY 42647

MOORE BRANDA S - ESTATE
F40 CHILDERS RIDGE RD
STEARNS KY 42647

CLARK DILLARD & GLENNA C
936 POPLAR SPRINGS
STEARNS KY 42647

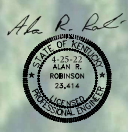
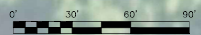
CLARK DILLARD

WATTERS WAYNE W & JACKIE L
PO BOX 426
STEARNS KY 42647

GRUNDY PHYLLIS & GRUNDY
PO BOX 1472
FINE MOT KY 42635



10.00'



ECLIPSE ENGINEERS, PLLC
10 WEST IVY AVENUE, SUITE 200
PRINCETON, KY 40371
PHONE: 502-751-0950

NO.	REVISION	BY:	DATE:

SCALE: AS SHOWN
DESIGNED BY: ASK
CHECKED BY: ASK
PROJECT NO.: 2008-202
DRAWN BY: [blank]

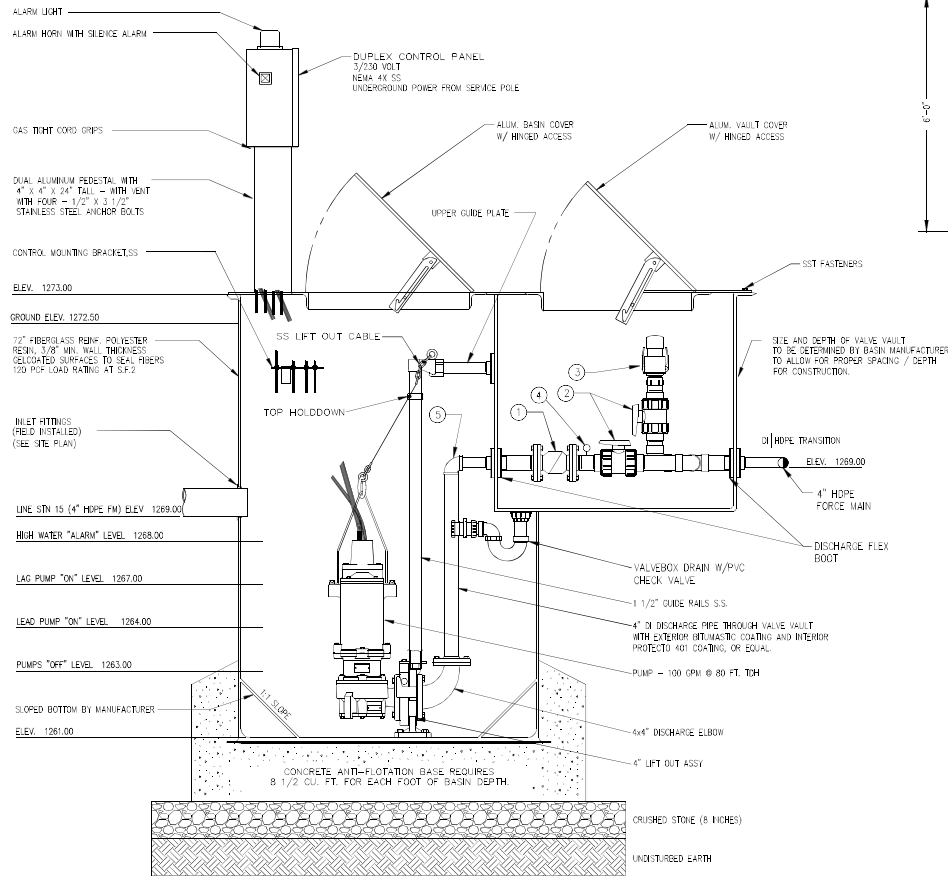
McCREARY COUNTY
WATER DISTRICT
486 N. HWY 27
WHITLEY CITY, KENTUCKY 40685

HWY 701 PUMP STATION - SITE PLAN
SANITARY SEWER COLLECTION SYSTEM EXPANSION
PHASE ONE - CONTRACT NO. 39

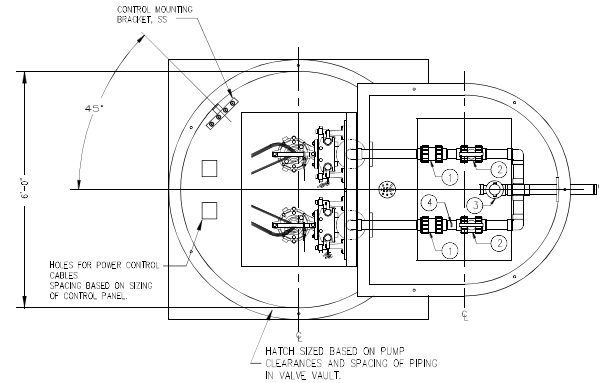
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103

KEYNOTES = ○

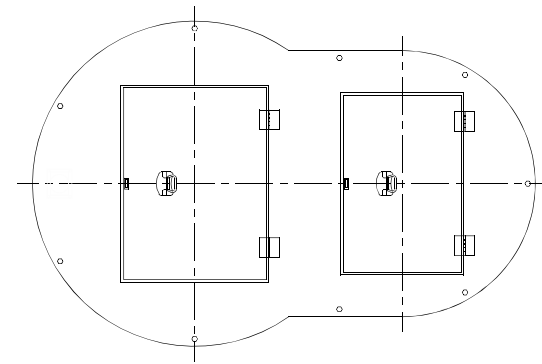
- ① 4 INCH SWING CHECK VALVE
- ② 4 INCH GATE VALVE
- ③ 4 INCH EMERGENCY PUMP CONNECTION
- ④ PRESSURE GAUGE
- ⑤ 4 INCH DI 90° EL



SECTION
NOT TO SCALE



PLAN - LOWER
NOT TO SCALE

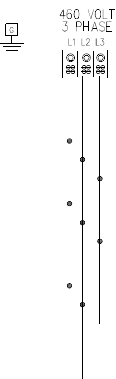


PLAN - UPPER
NOT TO SCALE

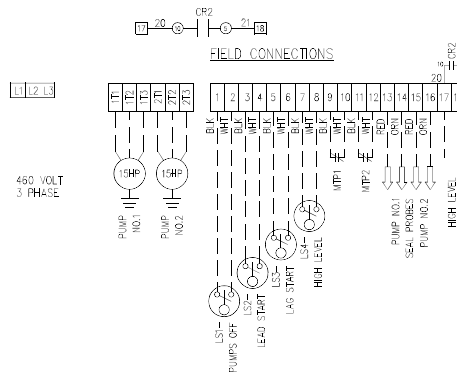
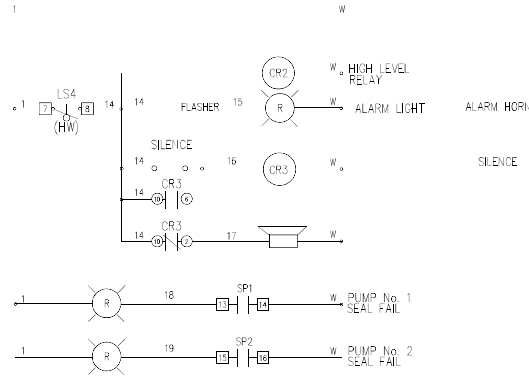
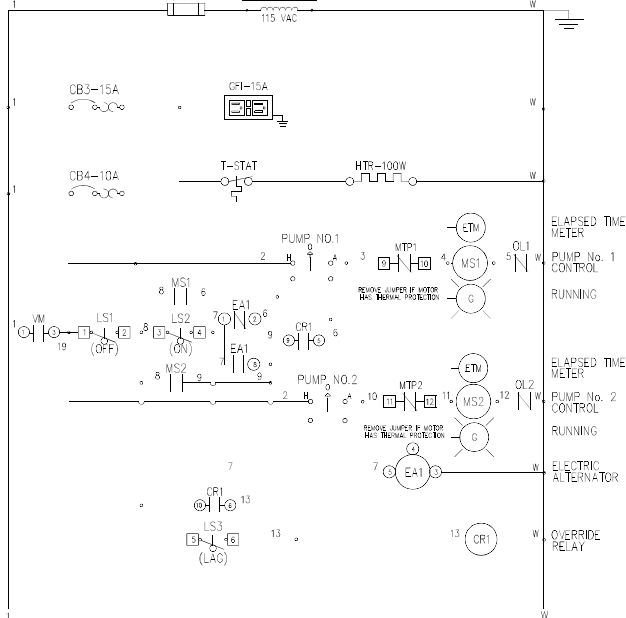
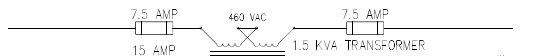
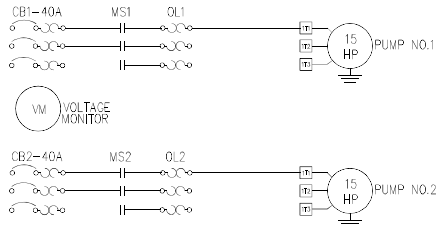
Alan R. Robinson

SCALE:	AS SHOWN
DESIGNED BY:	AKR
CHECKED BY:	AKR
PROJECT NO.:	1004
DATE:	APRIL 2022
DRAWN BY:	AKR
CHECKED BY:	AKR

McCREARY COUNTY
 WATER DISTRICT
 486 N. HWY 27
 WHITLEY CITY, KENTUCKY 40361

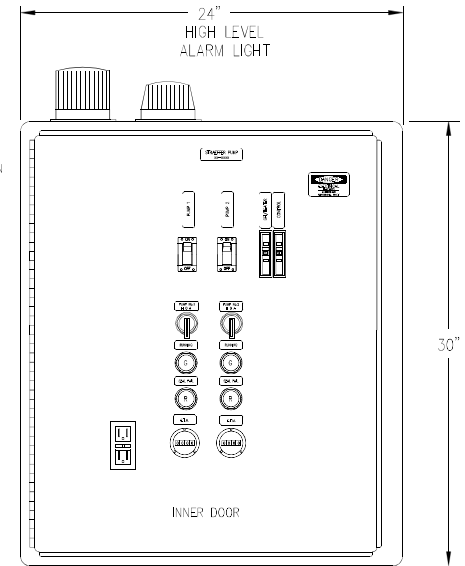


NOTE
 USE #12 C COPPER WIRE ONLY
 #4 AWG TORQUE TO 60 IN. LB.
 A MAIN SERVICE DISCONNECT MUST
 BE PROVIDED BY INSTALLER. CIRCUIT
 BREAKER OR FUSING NOT TO BE LESS
 THAN 60 AMPS.



UL UL CORA LISTED CONTROL PANEL

NOTE
 TORQUE FIELD CONNECTIONS TO 20 IN. LBS.
 ALL WIRING CONNECTIONS MUST
 BE 600 VAC, #12 C COPPER WIRE
 #16 AWG MINIMUM
 WARNING: MORE THAN ONE DISCONNECT MAY BE
 REQUIRED TO DE-Energize EQUIPMENT BEFORE SERVICING
 INSTALLER TO PROVIDE MAIN DISCONNECT



MPA MOUNTING PLATE W/
 2 PUMP CORD GRIPS & 2
 CONTROL & 4 FLOAT CORD GRIPS
 (1) #16 ALUMINUM PEDESTAL
 6"x6"x24"

WIRING CODE	SIZE	COLOR
POWER	POWER	# BLACK
120V	NEUTRAL	# WHITE
120V	CONTROL	# RED
	GROUND	# GREEN
	DRY CONTACTS	# YELLOW

A.R. Robinson
 STATE OF KENTUCKY
 JUNE 15, 1903
 ALAN R. ROBINSON
 23,414
 PROFESSIONAL ENGINEER

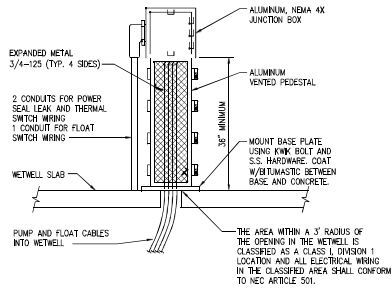
ECLIPSE ENGINEERS, PLLC
 150 WEST W. WYMAN STREET
 SEASIST KY, KENTUCKY 42503
 PHONE: 606-651-0880

DATE:	DESIGNED BY:	DATE:
AS SHOWN:	BY:	
REVISION:	BY:	
AS SHOWN:	BY:	
DESIGNED BY:	BY:	
CHECKED BY:	BY:	
DATE:	DATE:	
PROJECT NO.:	DATE:	
SCALE:	DATE:	
DATE:	DATE:	

McCREARY COUNTY WATER DISTRICT
 SANITARY SEWER COLLECTION SYSTEM EXPANSION
 PHASE ONE - CONTRACT NO. 28

Hwy 92 PUMP STATION ELECTRIC DETAILS

SHEET NUMBER: **105**

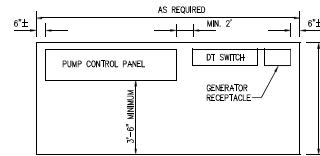


NOTE:

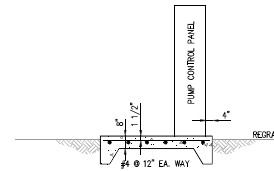
FLOAT AND PUMP CABLES FROM THE WETWELL SHALL BE RUN UP THROUGH THE PEDESTAL AND ATTACHED TO THE WETWELL JUNCTION BOX USING SEALING CONNECTORS HAVING A STEEL BODY AND NEOPRENE BUSHING. THE CONNECTOR SHALL BE RATED FOR USE IN CLASS I, DIVISION 1, GROUP D HAZARDOUS LOCATIONS. CONNECTORS SHALL BE COUPLER-HUBS COSS OR EQUAL AND SHALL BE SEALED PER MANUFACTURER'S INSTRUCTIONS. THE SEALS CONNECTORS SHALL BE OPENED INTO STEEL OR MALLEABLE IRON THREADED HUBS INSTALLED INSIDE THE PEDESTAL OR THE BOTTOM OF THE JUNCTION BOX. THE HUBS SHALL ALSO BE RATED FOR USE IN HAZARDOUS LOCATIONS AND SHALL BE APPLETON HUB OR EQUAL.

WETWELL JUNCTION BOX

NOT TO SCALE



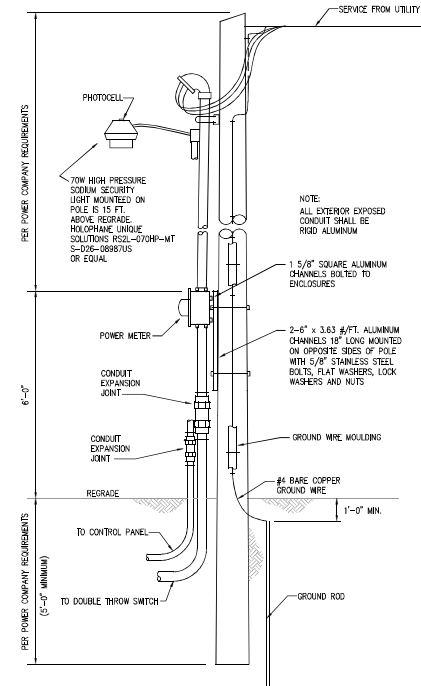
PLAN



SECTION

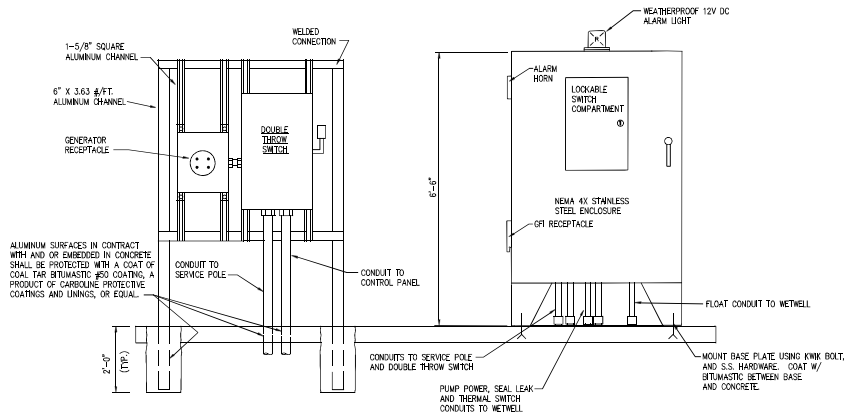
DETAIL - SLAB FOR RECEPTACLE, DT SWITCH, AND PUMP CONTROL PANEL

NOT TO SCALE



ELECTRIC SERVICE POLE DETAIL

NOT TO SCALE



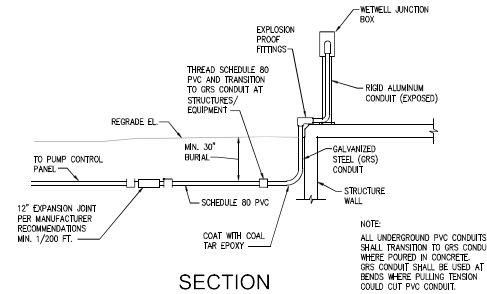
DOUBLE THROW SWITCH AND GENERATOR RECEPTACLE

NOT TO SCALE

ELEVATION PROPOSED PUMP CONTROL PANEL

NOT TO SCALE

(FOR PUMPING STATIONS WHERE DEDICATED STANDBY POWER IS NOT REQUIRED)



SECTION

TYPICAL UNDERGROUND PVC CONDUIT TRANSITION TO GRS CONDUIT

NOT TO SCALE

NOTE:

- ELECTRICAL BOND BETWEEN CONDUIT AND PUMP SUPPORT COLUMN REQUIRED.
- CONTRACTOR SHALL PROVIDE GUY WIRE AND ANCHOR FOR SERVICE POLE OPPOSITE SERVICE DROP IF REQUIRED BY POWER COMPANY.
- DOUBLE THROW SAFETY SWITCHES IN STAINLESS STEEL ENCLOSURES ARE USUALLY AVAILABLE FROM ELECTRICAL EQUIPMENT MANUFACTURERS BY SPECIAL ORDER ONLY, AND SHOULD BE ORDERED AS SOON AS POSSIBLE BY THE CONTRACTOR.
- EQUIPMENT AND WIRING INSIDE THE WETWELL SHALL CONFORM TO NEC 501 AND OTHER APPLICABLE REQUIREMENTS FOR A CLASS I, DIVISION 1, GROUP D HAZARDOUS LOCATION.
- UNDERGROUND CONDUITS SHALL BE SEALED WITH SILICONE CAULK.
- THE REQUIREMENT FOR A PUMPING STATION TO HAVE DEDICATED STANDBY POWER SHALL BE AT THE DISCRETION OF THE WASTEWATER DEPARTMENT MANAGER.
- RTU/DIALER SHALL BE FURNISHED BY EAGLE RESEARCH CORP. AND INSTALLED BY PANEL BUILDER.



SCALE:	AS SHOWN
DESIGNED BY:	AKR
CHECKED BY:	AKR
PROJECT NO.:	10104
DATE:	JAN 2012
DRAWN BY:	AKR