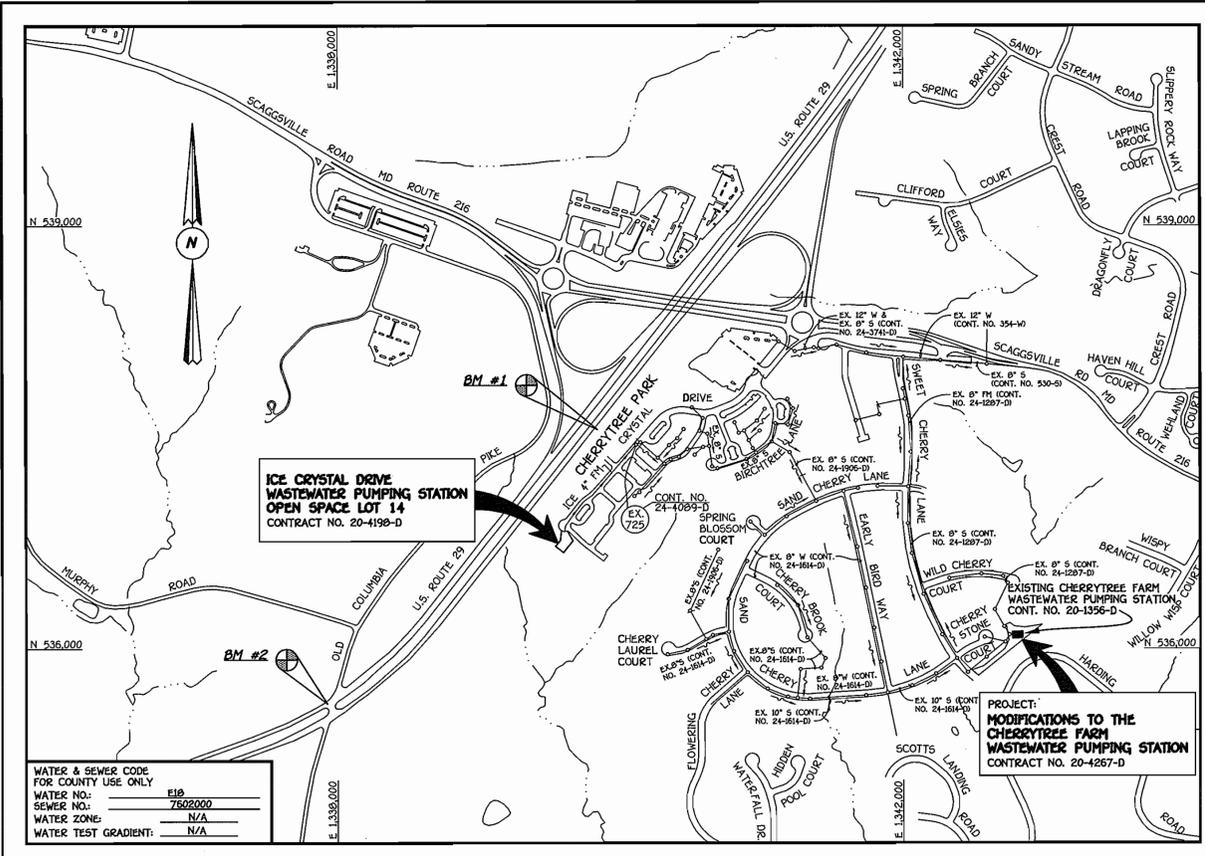


QUANTITIES				
ITEM	ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	SUPPLIER
40 HP DRY-PISTON SUBMERSIBLE PUMP & MOTOR	2 EACH	2	40 HP Dry-Pit Submersible	Ames, Inc. (Fairbanks-Morse)
150 KW EMERGENCY GENERATOR	1 EACH	1	150 KW	Fidelity Engr (Kohler)

NAME OF UTILITY CONTRACTOR: Goines and Company, Inc.  
 SURVEY & DRAFTING DIVISION AS-BUILT DATE:



**GENERAL NOTES**

- PART I**
- APPROXIMATE LOCATIONS OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
  - AS-BUILT FIELD SURVEYS AT THE EXISTING CHERRYTREE FARM WASTEWATER PUMPING STATION WERE PERFORMED IN JANUARY, 2005 BY EBI ENGINEERS, LLC.
  - HORIZONTAL AND VERTICAL CONTROLS: THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD 83/91 AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 468A & NO. 46E3. SEE THIS SHEET FOR BENCHMARK INFORMATION. ALL VERTICAL CONTROLS ARE BASED ON NAVD 86. VERTICAL CONTROLS PROVIDED ON THE DRAWINGS ARE BASED ON BENCHMARK "CITY", A GALVANIZED NAIL SET IN THE CONCRETE TOP SLAB OF THE WET WELL, AT THE SOUTHWEST CORNER, ELEV. = 335.25 - SEE SHEET 2 OF 7 FOR LOCATION.
  - ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
  - CLEAR ALL UTILITIES BY A MINIMUM OF 12 INCHES. CLEAR ALL POLES BY 5'-0" MINIMUM OR TUNNEL AS REQUIRED UNLESS OTHERWISE NOTED. THE OWNER HAS CONTACTED THE UTILITY COMPANIES AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR THE BRACING OF THE ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONIES OWED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
  - FOR DETAILS NOT SHOWN ON THE DRAWINGS AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (LATEST EDITION). THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB SITE.
  - WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL AT THE LOCATIONS OF THE TEST PITS. A NOTE ON NOTES CONTAINING THE RESULTS OF THE TEST FIT OR PITS IS INCLUDED ON THE DRAWINGS. EXISTING UTILITIES IN THE VICINITY OF THE PROPOSED WORK FOR WHICH TEST PITS HAVE NOT BEEN DUG SHALL BE LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS AT HIS OWN EXPENSE.
  - THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
    - AT&T . . . . . 1-800-252-1133
    - BGE (CONSTRUCTION SERVICES) . . . . . 410-850-4620
    - BGE (EMERGENCY) . . . . . 410-885-1400
    - BUREAU OF UTILITIES . . . . . 410-313-4900
    - COLONIAL PIPELINE CO. . . . . 410-795-1390
    - MISS UTILITY . . . . . 1-800-257-7777
    - STATE HIGHWAY ADMINISTRATION . . . . . 410-531-5533
    - VERIZON . . . . . 1-800-743-0033/410-224-9210
  - TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
  - CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG THE LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE CONSTRUCTION OF THE MAIN.
  - THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410-313-7450) AT LEAST FIVE WORKING DAYS BEFORE OPEN CUTTING OR BORING/JACKING OF ANY COUNTY ROAD FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.14(K) OF THE HOWARD COUNTY CODE.

INDEX OF DRAWINGS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SITE PLAN
3	MECHANICAL PLAN: EXISTING CONDITIONS
4	MECHANICAL SECTIONS: EXISTING CONDITIONS
5	MECHANICAL PLAN & SECTION: PROPOSED CONDITIONS
6	ELECTRICAL LEGEND, SYMBOLS & DETAILS
7	ELECTRICAL PLAN

WATER & SEWER CODE FOR COUNTY USE ONLY	
WATER NO.:	E18
SEWER NO.:	7602000
WATER ZONE:	N/A
WATER TEST GRADIENT:	N/A

**VICINITY MAP**  
SCALE: 1"=600'

TYPE OF BUILDING EXISTING WASTEWATER PUMPING STATION	
NUMBER OF LOTS: ONE (1) BUILDABLE	
NO. OF WATER HOUSE CONNECTIONS:	N/A
NO. OF SEWER HOUSE CONNECTIONS:	N/A
DRAINAGE AREA:	LITTLE PATUXENT
TREATMENT PLANT:	LITTLE PATUXENT WATER RECLAMATION PLANT, SAVAGE, MARYLAND

**DEVELOPER'S CERTIFICATION**  
 I/WE HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT THE DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

Paul W. Koebel, FOR: 04/03/06  
**CHERRYTREE II, LLC** DATE  
 SIGNATURE OF DEVELOPER

**ENGINEER'S CERTIFICATION**  
 I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Paul W. Koebel 04/03/06  
 SIGNATURE OF ENGINEER DATE

**CONTRACT NO. 20-4267-D**

**MODIFICATIONS TO THE**

**CHERRYTREE FARM**

**WASTEWATER PUMPING STATION**

**HOWARD COUNTY, MARYLAND**

**BENCHMARK INFORMATION**

B.M. #1 - HOWARD COUNTY CONTROL STATION 468A N 537,545.040 E 1,339,849.050 ELEV. = 426.423'
B.M. #2 - HOWARD COUNTY CONTROL STATION 46E3 N 535,610.715 E 1,337,927.633 ELEV. = 410.062'

**DESIGN FLOW TABULATION CHART**

Ex. Cherrytree Farm Subdivision Sections 1, 2 & 3: Peak Gravity Flow	92 GPM*
Ex. Cherrytree Park Subdivision Phases 1 & 2: Peak Gravity Flow	89 GPM*
Ex. Cherry Creek WWPS: Pumped Flow	96 GPM*
Ex. Reservoir Overlook WWPS: Pumped Flow	180 GPM*
Ice Crystal Drive WWPS: Pumped Flow Cherrytree Park Subdivision - Phase 3	119 GPM**
<b>Total Design Flow:</b>	<b>576 GPM</b>
<b>ULTIMATE DESIGN FLOW:</b> CHERRYTREE FARM WWPS:	<b>SAY 600 GPM</b>

\*From Report: Hydraulic Analysis of the Existing Cherrytree Farm Wastewater Pumping Station, Dec. 2001  
 \*\* From Sheet 12 of 15: Cont. No. 20-4198-D

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Jim Meyers 4/25/06  
 U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY HOWARD SOIL CONSERVATION DISTRICT.

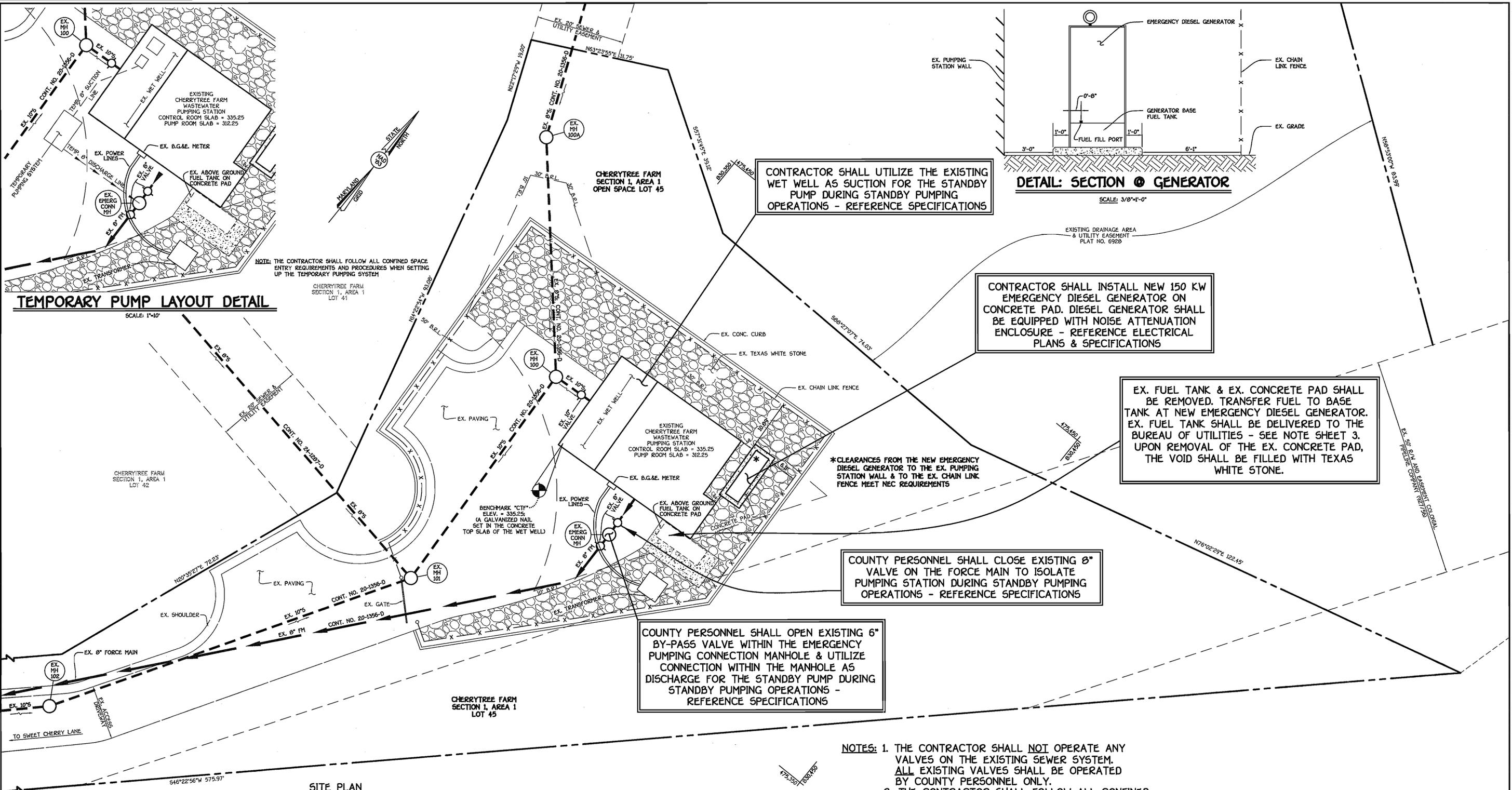
APPROVED: John R. Robinson 4/25/06  
 HOWARD SOIL CONSERVATION DISTRICT DATE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL & STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS AND AS SHOWN ON THESE PLANS. **SDP-85-116**

Paul W. Koebel, FOR: 04/03/06  
**CHERRYTREE II, LLC** DATE  
 SIGNATURE OF DEVELOPER

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND	FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS CENTRAL SQUARE OFFICE PARK - 10722 BALTIMORE NATIONAL FREE ELLSWORTH CITY, MARYLAND 21042 (410) 461 - 2855	DESIGNED BY: P.W.K. DRAWN BY: T.P.F. CHECKED BY: P.W.K. DATE: APRIL, 2006	REVISION: 1-8-06 Added as-built information	TITLE SHEET 600' SCALE MAP NO. 46 BLOCK NO. 10 F.C.C. WORK ORDER NO. 30766 FILE NAME: 30766 Cherrytree Farm Pump Station Title	MODIFICATIONS TO THE CHERRYTREE FARM WASTEWATER PUMPING STATION CONTRACT NO. 20-4267-D SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE AS SHOWN SHEET 1 of 7
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**TEMPORARY PUMP LAYOUT DETAIL**

SCALE: 1"=10'

NOTE: THE CONTRACTOR SHALL FOLLOW ALL CONFINED SPACE ENTRY REQUIREMENTS AND PROCEDURES WHEN SETTING UP THE TEMPORARY PUMPING SYSTEM

CHERRYTREE FARM SECTION 1, AREA 1 LOT 41

CONTRACTOR SHALL UTILIZE THE EXISTING WET WELL AS SUCTION FOR THE STANDBY PUMP DURING STANDBY PUMPING OPERATIONS - REFERENCE SPECIFICATIONS

**DETAIL: SECTION @ GENERATOR**

SCALE: 3/8"=1'-0"

CONTRACTOR SHALL INSTALL NEW 150 KW EMERGENCY DIESEL GENERATOR ON CONCRETE PAD. DIESEL GENERATOR SHALL BE EQUIPPED WITH NOISE ATTENUATION ENCLOSURE - REFERENCE ELECTRICAL PLANS & SPECIFICATIONS

EX. FUEL TANK & EX. CONCRETE PAD SHALL BE REMOVED. TRANSFER FUEL TO BASE TANK AT NEW EMERGENCY DIESEL GENERATOR. EX. FUEL TANK SHALL BE DELIVERED TO THE BUREAU OF UTILITIES - SEE NOTE SHEET 3. UPON REMOVAL OF THE EX. CONCRETE PAD, THE VOID SHALL BE FILLED WITH TEXAS WHITE STONE.

\*CLEARANCES FROM THE NEW EMERGENCY DIESEL GENERATOR TO THE EX. PUMPING STATION WALL & TO THE EX. CHAIN LINK FENCE MEET NEC REQUIREMENTS

COUNTY PERSONNEL SHALL CLOSE EXISTING 8" VALVE ON THE FORCE MAIN TO ISOLATE PUMPING STATION DURING STANDBY PUMPING OPERATIONS - REFERENCE SPECIFICATIONS

COUNTY PERSONNEL SHALL OPEN EXISTING 6" BY-PASS VALVE WITHIN THE EMERGENCY PUMPING CONNECTION MANHOLE & UTILIZE CONNECTION WITHIN THE MANHOLE AS DISCHARGE FOR THE STANDBY PUMP DURING STANDBY PUMPING OPERATIONS - REFERENCE SPECIFICATIONS

- NOTES: 1. THE CONTRACTOR SHALL NOT OPERATE ANY VALVES ON THE EXISTING SEWER SYSTEM. ALL EXISTING VALVES SHALL BE OPERATED BY COUNTY PERSONNEL ONLY.  
 2. THE CONTRACTOR SHALL FOLLOW ALL CONFINED SPACE ENTRY REQUIREMENTS AND PROCEDURES WHEN SETTING UP THE TEMPORARY PUMPING SYSTEM.

**SITE PLAN**

SCALE: 1"=50'

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE  
ELLSWORTH CITY, MARYLAND 20622  
(410) 461-2995



DESIGNED BY : P.W.K.  
 DRAWN BY : T.P.F.  
 CHECKED BY : P.W.K.  
 DATE : APRIL, 2006

BY	NO.	REVISION	DATE

SITE PLAN  
 600' SCALE MAP NO. 46 BLOCK NO. 10  
 F.C.C. WORK ORDER NO. 30766  
 DATE: FILE NAME: 30766 Cherrytree Farm Pump Station

**MODIFICATIONS TO THE CHERRYTREE FARM WASTEWATER PUMPING STATION**

CONTRACT NO. 20-4267-D  
SIXTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 2 OF 7

AS-BUILT 10-07

CONTRACT NO. 20-4267-D  
MODIFICATIONS TO THE CHERRYTREE FARM WASTEWATER PUMPING STATION  
HOWARD COUNTY, MARYLAND

K:\SDS\FR030766 Cherrytree Farm\30766 Cherrytree Farm Pump Station.dwg, 3/31/2006 4:08:59 PM, 1:10

CONTRACTOR SHALL REMOVE THE EXISTING CONCRETE PAD AT THE EMERGENCY DIESEL GENERATOR

CONTRACTOR SHALL REMOVE THE EXISTING BATTERY CHARGER & EXISTING CONCRETE PAD. THE CONTRACTOR SHALL DELIVER THE EXISTING BATTERY CHARGER TO THE BUREAU OF UTILITIES-SEE NOTE THIS SHEET

CONTRACTOR SHALL REMOVE THE EXISTING FUEL TRANSFER PUMP & THE EXISTING DAY TANK & DELIVER THEM TO THE BUREAU OF UTILITIES - SEE NOTE THIS SHEET

CONTRACTOR SHALL REMOVE EXISTING CIRCUIT BREAKER. EXISTING AUTOMATIC TRANSFER SWITCH SHALL BE REMOVED & DELIVERED TO THE BUREAU OF UTILITIES. SEE NOTE THIS SHEET AND REFERENCE ELECTRICAL PLANS & SPECIFICATIONS

CONTRACTOR SHALL PROVIDE A STAINLESS STEEL COVER PLATE AT EXISTING PUMP SHAFT OPENINGS AT EXISTING MOTOR PADS - SEE DETAIL THIS SHEET

CONTRACTOR SHALL REMOVE EXISTING EXHAUST LOUVER & DAMPER. EXISTING WALL OPENING SHALL BE COMPLETELY ENCLOSED WITH CONCRETE MASONRY UNITS & FACE BRICK - REFERENCE DETAIL THIS SHEET & SPECIFICATIONS

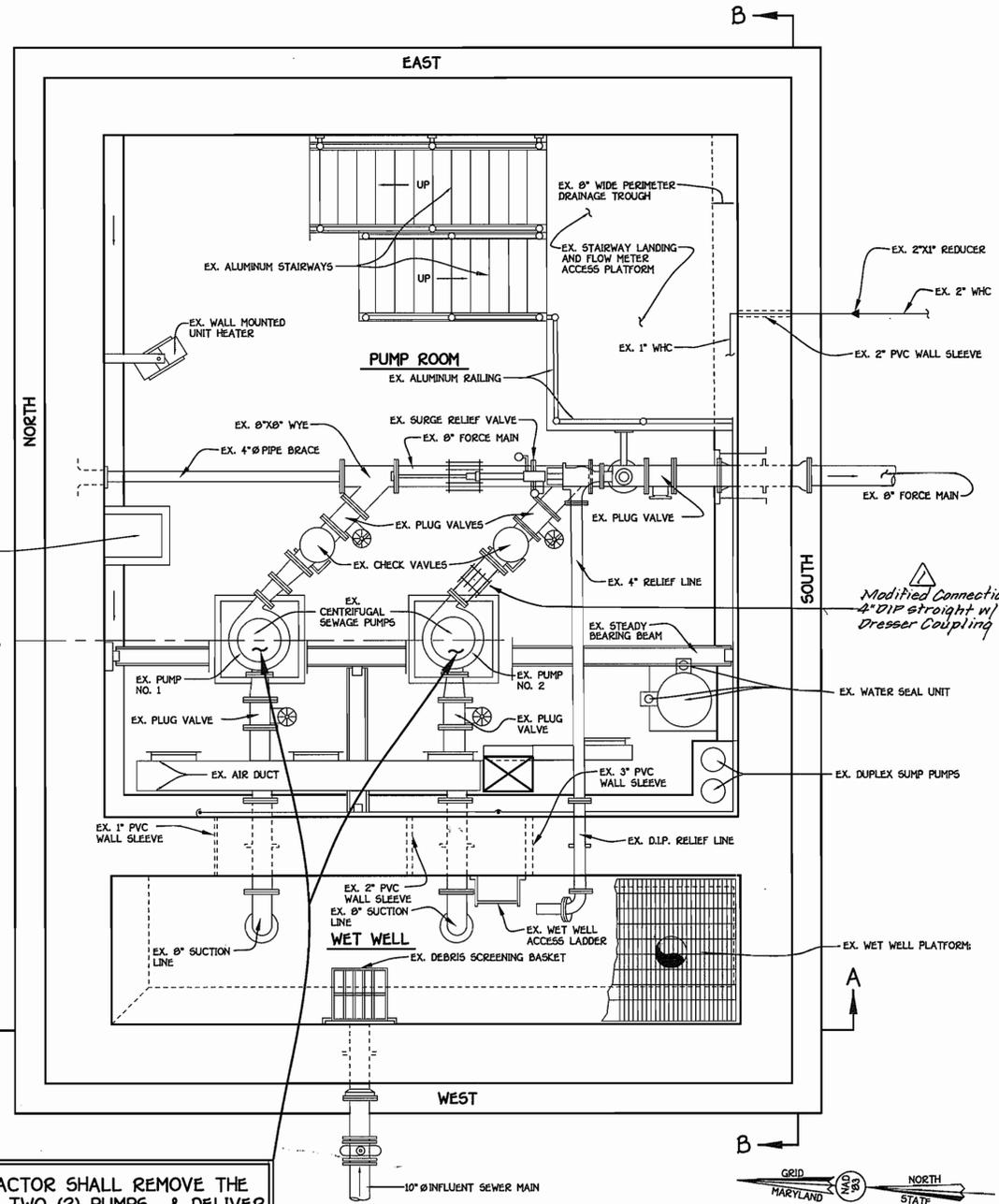
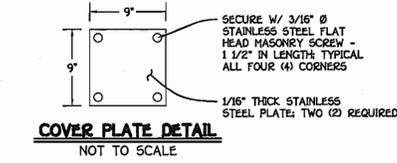
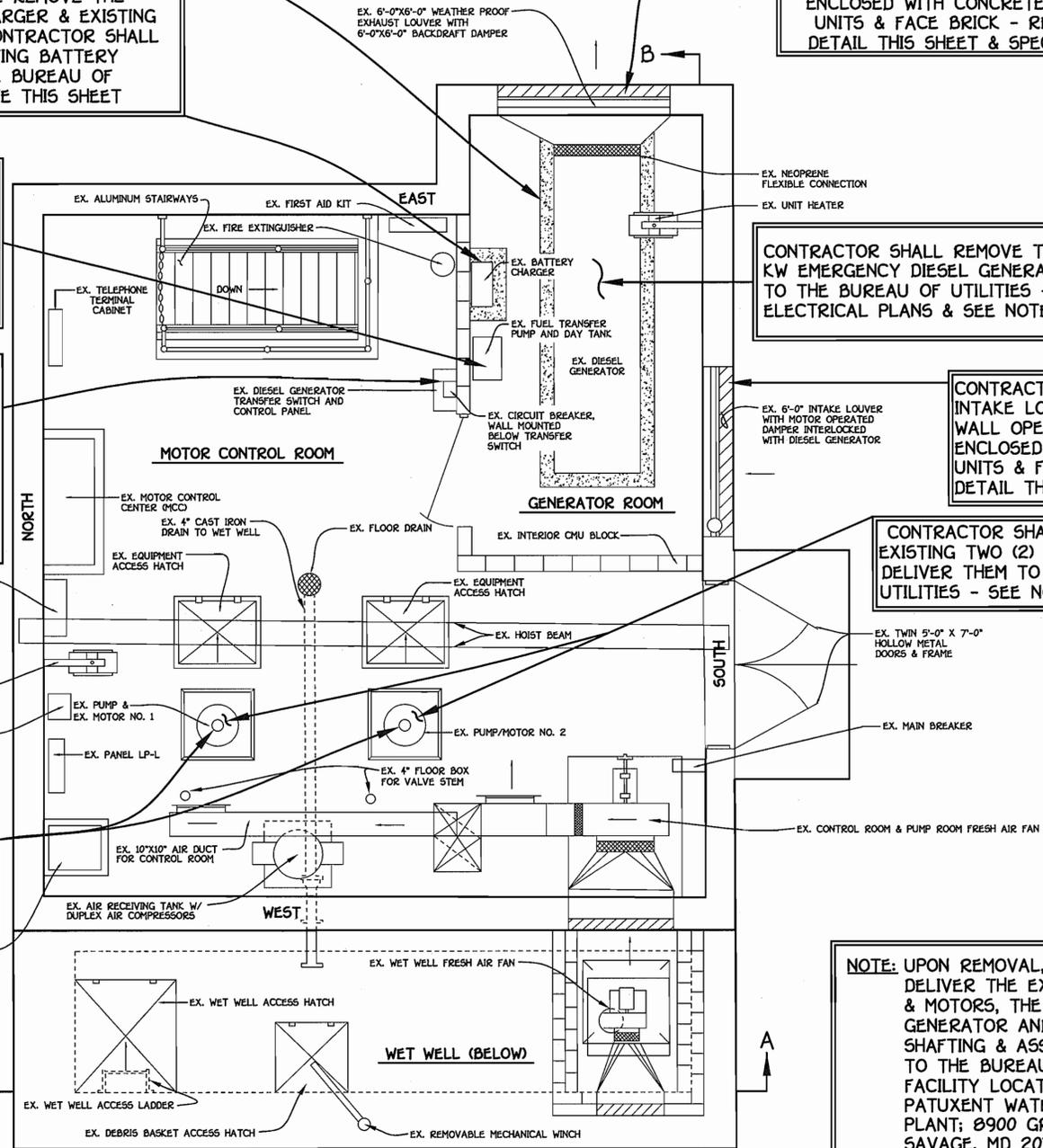
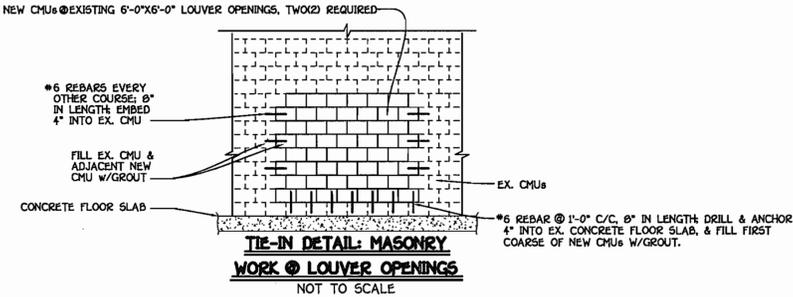
CONTRACTOR SHALL REMOVE THE EXISTING 100 KW EMERGENCY DIESEL GENERATOR & DELIVER IT TO THE BUREAU OF UTILITIES - REFERENCE ELECTRICAL PLANS & SEE NOTE THIS SHEET

CONTRACTOR SHALL REMOVE EXISTING INTAKE LOUVER & DAMPER. EXISTING WALL OPENING SHALL BE COMPLETELY ENCLOSED WITH CONCRETE MASONRY UNITS & FACE BRICK - REFERENCE DETAIL THIS SHEET & SPECIFICATIONS

CONTRACTOR SHALL REMOVE THE EXISTING TWO (2) 25 HP MOTORS & DELIVER THEM TO THE BUREAU OF UTILITIES - SEE NOTE THIS SHEET

NOTE: UPON REMOVAL, THE CONTRACTOR SHALL DELIVER THE EXISTING TWO (2) PUMPS & MOTORS, THE EXISTING 100 KW DIESEL GENERATOR AND THE EXISTING DRIVE SHAFTING & ASSOCIATED APPURTENANCES TO THE BUREAU OF UTILITIES' STORAGE FACILITY LOCATED AT THE LITTLE PATUXENT WATER RECLAMATION PLANT; 8900 GREENWOOD PLACE, SAVAGE, MD 20763. CONTACT MR. BOB FUNK @ 410-880-5822 TO COORDINATE DELIVERIES.

CONTRACTOR SHALL REMOVE THE EXISTING TWO (2) PUMPS & DELIVER THEM TO THE BUREAU OF UTILITIES - SEE NOTE THIS SHEET



DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELLSWORTH CITY, MARYLAND 20622  
(410) 481-2955



DESIGNED BY:	P.W.K.
DRAWN BY:	T.P.F.
CHECKED BY:	P.W.K.
DATE:	APRIL, 2006
BY:	NO.
REVISION:	1-B-08 Added as-built information

MECHANICAL PLAN  
EXISTING CONDITIONS

600' SCALE MAP NO.	46	BLOCK NO.	10
F.C.C. WORK ORDER NO.	30766		
FILE NAME	30766 Cherrytree Farm Pump Station Mechanical Plan		

MODIFICATIONS TO THE CHERRYTREE FARM WASTEWATER PUMPING STATION

CONTRACT NO. 20-4267-D  
SIXTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 3 OF 7

CONTRACT NO. 20-4267-D  
MODIFICATIONS TO THE CHERRYTREE FARM WASTEWATER PUMPING STATION  
HOWARD COUNTY, MARYLAND

AS-BUILT 10-07

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CONTRACTOR SHALL REMOVE THE EXISTING 100 KW EMERGENCY DIESEL GENERATOR AND DELIVER IT TO THE BUREAU OF UTILITIES - REFERENCE ELECTRICAL PLANS & SEE NOTE THIS SHEET

CONTRACTOR SHALL REMOVE THE EXISTING FUEL TRANSFER PUMP & THE EXISTING DAY TANK & DELIVER THEM TO THE BUREAU OF UTILITIES - SEE DETAIL SHEET 3

CONTRACTOR SHALL REMOVE THE EXISTING 100 KW EMERGENCY DIESEL GENERATOR AND DELIVER IT TO THE BUREAU OF UTILITIES - REFERENCE ELECTRICAL PLANS

**"AS-BUILT" DETAIL @ EXISTING INSTALLATION**  
NO SCALE

CONTRACTOR SHALL REMOVE EXISTING GENERATOR EXHAUST LOUVER, GENERATOR INTAKE LOUVER (NOT SHOWN) & DAMPERS. EXISTING WALL OPENINGS SHALL BE COMPLETELY ENCLOSED WITH CONCRETE MASONRY UNITS & FACE BRICK - REFERENCE DETAIL SHEET 3 & SPECIFICATIONS

CONTRACTOR SHALL REMOVE THE EXISTING TWO (2) 25 HP MOTORS & DELIVER THEM TO THE BUREAU OF UTILITIES - SEE NOTE THIS SHEET

CONTRACTOR SHALL REMOVE THE EXISTING DRIVE SHAFTING, COUPLINGS, BEARINGS, GUARDS & ASSOCIATED HARDWARE AND DELIVER THEM TO THE BUREAU OF UTILITIES - SEE NOTE THIS SHEET

NOTE: UPON REMOVAL, THE CONTRACTOR SHALL DELIVER THE EXISTING TWO (2) PUMPS & MOTORS, THE EXISTING 100 KW DIESEL GENERATOR AND THE EXISTING DRIVE SHAFTING & ASSOCIATED APPURTENANCES TO THE BUREAU OF UTILITIES' STORAGE FACILITY LOCATED AT THE LITTLE PATUXENT WATER RECLAMATION PLANT; 8900 GREENWOOD PLACE, SAVAGE, MD 20763. CONTACT MR. BOB FUNK @ 410-880-5822 TO COORDINATE DELIVERIES.

CONTRACTOR SHALL REMOVE THE EXISTING BATTERY CHARGER & EXISTING CONCRETE PAD. THE CONTRACTOR SHALL DELIVER THE EXISTING BATTERY CHARGER TO THE BUREAU OF UTILITIES-SEE NOTE THIS SHEET

CONTRACTOR SHALL REMOVE THE EXISTING CONCRETE PAD AT THE EMERGENCY DIESEL GENERATOR

CONTRACTOR SHALL PROVIDE STAINLESS STEEL COVER PLATE AT EXISTING PUMP SHAFT OPENINGS AT EXISTING MOTOR PADS - SEE DETAIL SHEET 3

CONTRACTOR SHALL PROVIDE STAINLESS STEEL COVER PLATE AT EXISTING PUMP SHAFT OPENINGS AT EXISTING MOTOR PADS - SEE DETAIL SHEET 3

CONTRACTOR SHALL REMOVE THE EXISTING TWO (2) PUMPS & DELIVER THEM TO THE BUREAU OF UTILITIES - SEE NOTE THIS SHEET

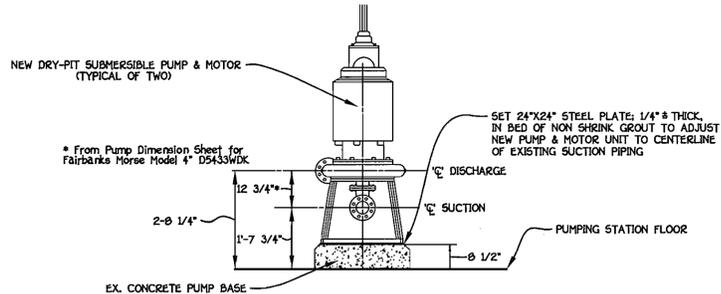
CONTRACTOR SHALL REMOVE THE EXISTING DRIVE SHAFTING, COUPLINGS, BEARINGS, GUARDS & ASSOCIATED HARDWARE AND DELIVER THEM TO THE BUREAU OF UTILITIES - SEE NOTE THIS SHEET

**SECTION A-A**  
SCALE: 3/8" = 1'-0"

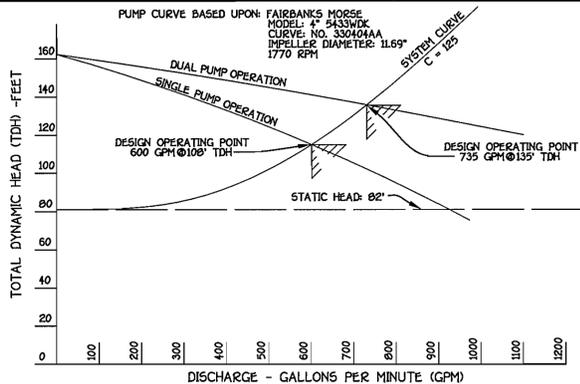
**SECTION B-B**  
SCALE: 3/8" = 1'-0"

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE: 4-11-06 CHIEF, BUREAU OF UTILITIES		DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND DATE: 5/2/06 CHIEF, DEVELOPMENT ENGINEERING DIVISION		FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE ELLSWORTH CITY, MARYLAND 21042 (410) 481-2855		STATE OF MARYLAND PROFESSIONAL ENGINEER TERRELL A. FISHER		DESIGNED BY: P.W.K. DRAWN BY: T.P.F. CHECKED BY: P.W.K. DATE: APRIL, 2006		MECHANICAL SECTIONS EXISTING CONDITIONS 600' SCALE MAP NO. 46 BLOCK NO. 10 F.C.C. WORK ORDER NO. 30766 FILE NAME: 30766 Cherrytree Farm Pump Station Mechanical Sec.		AS-BUILT 10-07 MODIFICATIONS TO THE CHERRYTREE FARM WASTEWATER PUMPING STATION CONTRACT NO. 20-4267-D SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND		SCALE AS SHOWN SHEET 4 OF 7
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**DETAIL AT NEW INSTALLATION**  
NOT TO SCALE



**SYSTEM CURVE & PUMP CURVE**

CONTRACTOR SHALL RELOCATE THE EXISTING TELEPHONE TERMINAL CABINET AS REQUIRED & DIRECTED BY THE ENGINEER

CONTRACTOR SHALL INSTALL NEW MOTOR CONTROL CENTER SECTION; CABLE CONNECTED TO MAIN BUS OF EXISTING MOTOR CONTROL CENTER - REFERENCE ELECTRICAL PLANS FOR ELEVATIONAL VIEW & DETAILS. REFERENCE SPECIFICATIONS FOR COMPLETE REQUIREMENTS

CONTRACTOR SHALL INSTALL NEW AUTOMATIC TRANSFER SWITCH - REFERENCE ELECTRICAL PLANS & SPECIFICATIONS

CONTRACTOR SHALL INSTALL NEW UTILITY C.T. (CURRENT TRANSFORMER) CABINET & METER-REFERENCE ELECTRICAL PLANS & SPECIFICATIONS

CONTRACTOR SHALL INSTALL NEW MOTOR CONTROL CENTER SECTION; CABLE CONNECTED TO MAIN BUS OF EXISTING MOTOR CONTROL CENTER - REFERENCE ELECTRICAL PLANS & SPECIFICATIONS

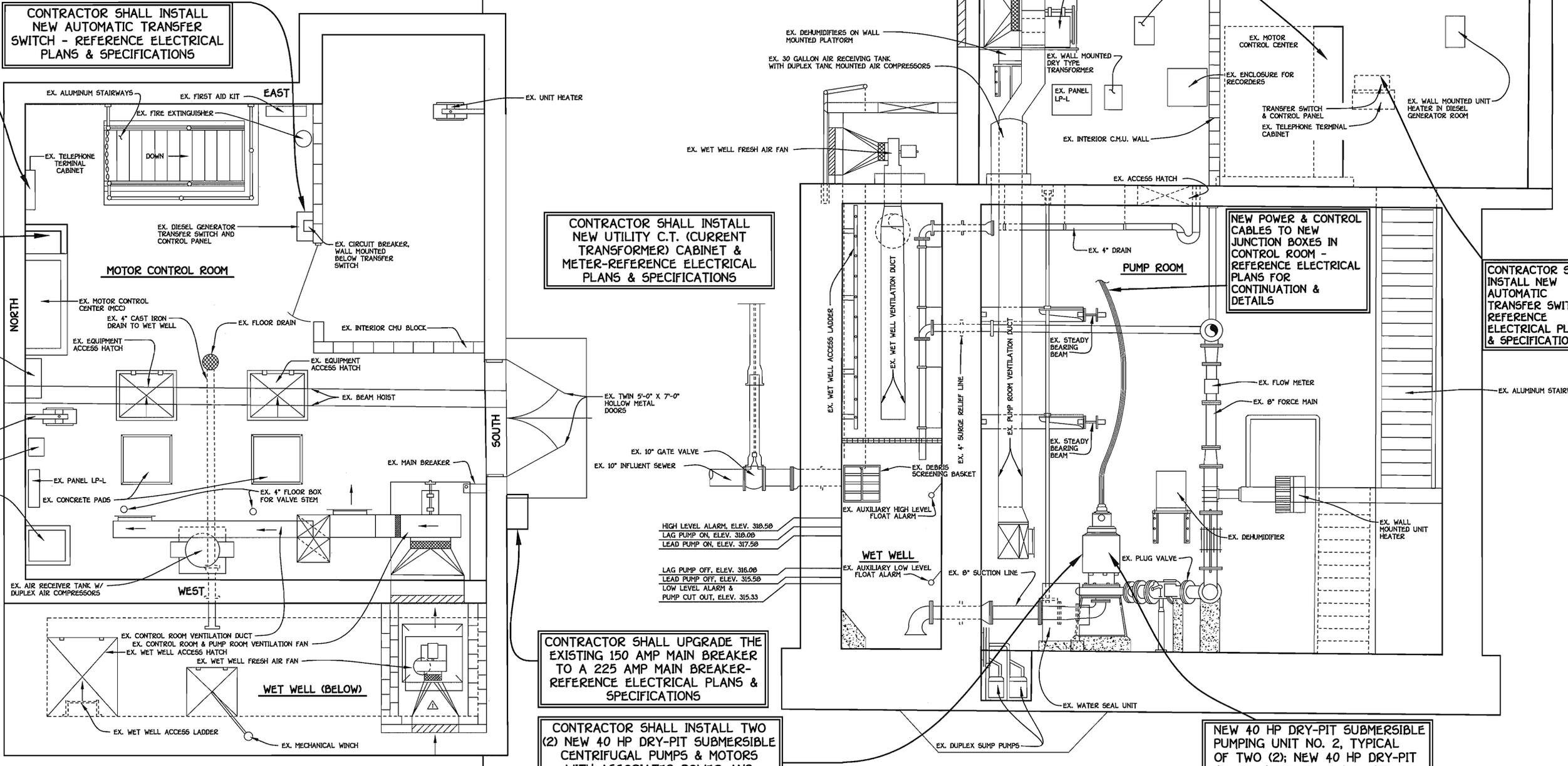
NEW POWER & CONTROL CABLES TO NEW JUNCTION BOXES IN CONTROL ROOM - REFERENCE ELECTRICAL PLANS FOR CONTINUATION & DETAILS

CONTRACTOR SHALL INSTALL NEW AUTOMATIC TRANSFER SWITCH - REFERENCE ELECTRICAL PLANS & SPECIFICATIONS

CONTRACTOR SHALL UPGRADE THE EXISTING 150 AMP MAIN BREAKER TO A 225 AMP MAIN BREAKER-REFERENCE ELECTRICAL PLANS & SPECIFICATIONS

CONTRACTOR SHALL INSTALL TWO (2) NEW 40 HP DRY-PIT SUBMERSIBLE CENTRIFUGAL PUMPS & MOTORS WITH ASSOCIATED POWER AND CONTROL CABLES - REFERENCE SPECIFICATIONS

NEW 40 HP DRY-PIT SUBMERSIBLE PUMPING UNIT NO. 2, TYPICAL OF TWO (2); NEW 40 HP DRY-PIT SUBMERSIBLE PUMPING UNIT NO. 1 NOT SHOWN



**CONTROL ROOM PLAN**  
SCALE: 3/8" = 1'-0"

**SECTION B-B**  
SCALE: 3/8" = 1'-0"

AS-BUILT 10-07

CONTRACT NO. 20-4267-D  
MODIFICATIONS TO THE  
CHERRYTREE FARM  
WASTEWATER PUMPING STATION  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL FREE  
BLISSCOTT CITY, MARYLAND 21042  
(410) 461-2995



DESIGNED BY:	P.W.K.
DRAWN BY:	T.P.F.
CHECKED BY:	P.W.K.
DATE:	APRIL 6
BY NO.	
REVISION	

MECHANICAL PLAN & SECTION PROPOSED CONDITIONS	
600' SCALE MAP NO. 46	BLOCK NO. 10
F.C.C. WORK ORDER NO. 30766	
FILE NAME 30766 Cherrytree Farm Pump Station Mechanical Plan	

**MODIFICATIONS TO THE CHERRYTREE FARM WASTEWATER PUMPING STATION**  
CONTRACT NO. 20-4267-D  
SIXTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 5 OF 7

Robert Reinger 4-11-06  
CHIEF, BUREAU OF UTILITIES

Michael... 5/2/06  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

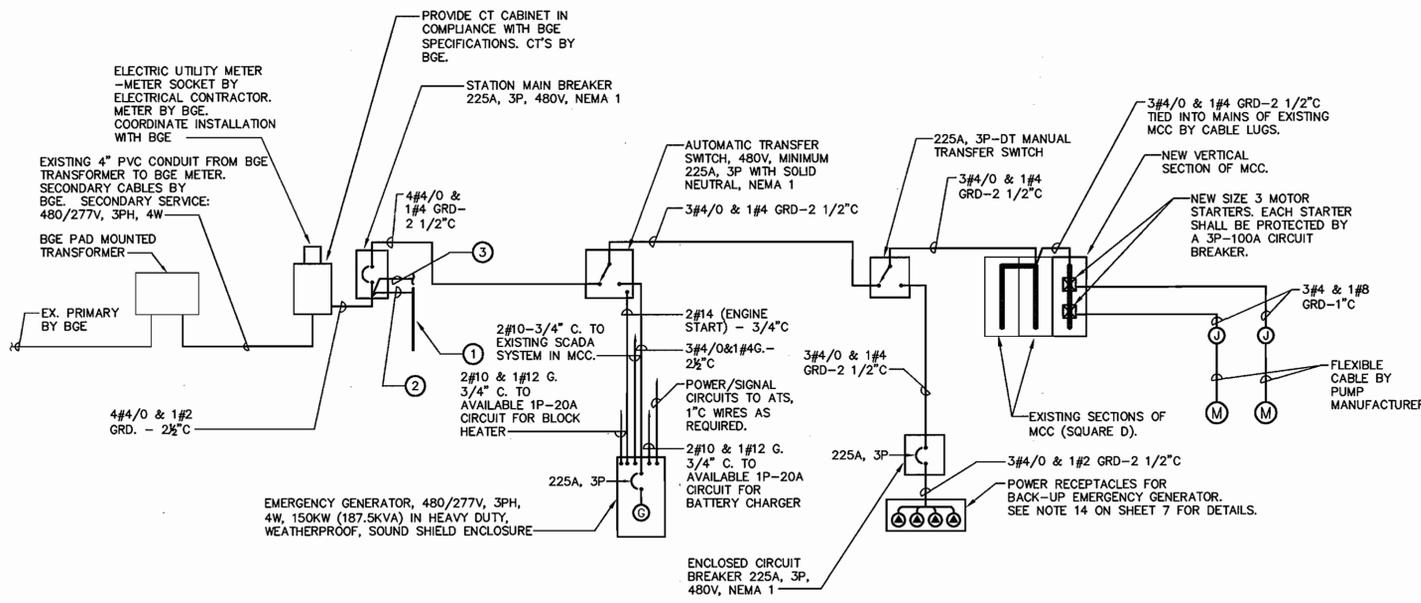
TERRELL A. FISHER

DATE: APRIL 6

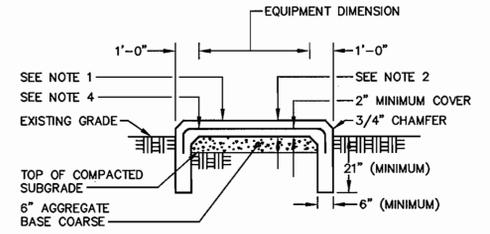
DATE: APRIL 6

**DRAWING NOTES:** (APPLY TO THIS DWG ONLY)

- ① COPPER-CLAD STEEL GROUND ROD 3/4" DIAMETER BY 10'-0" LONG.
- ② #6 GROUND WIRE.
- ③ #2 COPPER GROUNDING ELECTRODE CONDUCTOR TO BE CONNECTED TO COLD WATER SERVICE.
- ④ REMOVE EXISTING STARTERS/CIRCUIT BREAKERS AND DELIVER TO OWNER (SEE DRAWING NOTE 17 ON SHEET 7). CONTRACTOR SHALL PROVIDE BLANK COVER PLATE TO COVER SPACE.



**POWER ONE-LINE DIAGRAM**  
NO SCALE



**GENERATOR CONCRETE PAD DETAIL**  
NO SCALE

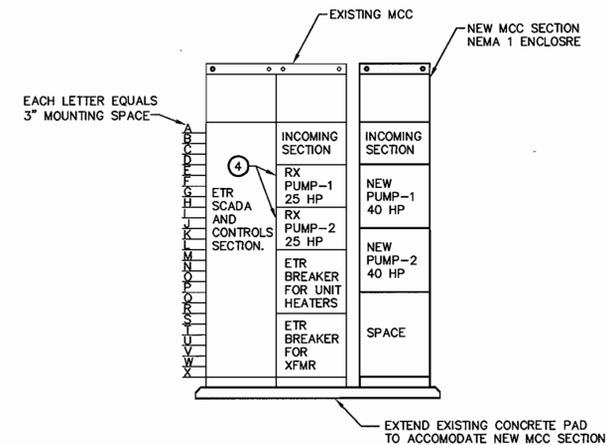
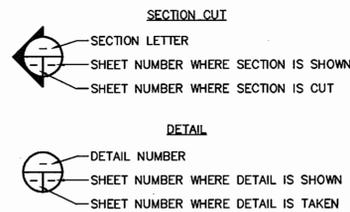
**ELECTRICAL LEGEND**

SYMBOL	ABBREV	DESCRIPTION
SS <sub>WP</sub>		SWITCH - SINGLE POLE, WEATHER PROOF - MOUNTING HEIGHT 4'-0"
⊖		DUPLEX RECEPTACLE - 20A, 125V - MOUNTING HEIGHT 18" UNLESS NOTED OTHERWISE
GFI		GFI RECEPTACLE - 20A., 125V. - MOUNTING HEIGHT 18" UNLESS NOTED OTHERWISE
⊕		JUNCTION BOX - SIZE PER NEC OR AS INDICATED
—		CONDUIT - IN OR ON CEILING OR WALLS
—		CONDUIT - TO BE REMOVED
—		HOMERUN TO PANEL - NUMBER OF ARROWS INDICATE NUMBER OF CIRCUITS AND NUMBER OF CROSSLINES INDICATES NUMBER OF #12 CONDUCTORS - WHERE NO CROSSLINES APPEAR #2#12 CONDUCTORS ARE IMPLIED
⊗		MOTOR STARTER - TYPE AND RATING AS REQUIRED
Ⓜ		MOTOR - HORSEPOWER AS NOTED
—		PANELBOARD - MOUNTING HEIGHT 6'-6" TO TOP
—		TRANSFORMER - DRY TYPE - FLOOR MOUNTED
⊙		SPECIAL POWER RECEPTACLE - HUBBELL MODEL #HBL400IT-400A
ⓐ		ENCLOSED CIRCUIT BREAKER
ⓑ		PUSHBUTTON STATION - WITH AUXILIARY AS REQUIRED
ⓐ		GENERATOR - SIZE AND TYPE AS NOTED
ⓐ		CIRCUIT BREAKER

**ELECTRICAL ABBREVIATIONS**

ABBREV	DESCRIPTION	ABBREV	DESCRIPTION
⌀ OR DIA	DIAMETER	KW	KILO-WATTS
ⓐ	AT	KVA	KILO-VOLT AMPERES
A OR AMPS	AMPERES	MCC	MOTOR CONTROL CENTER
AIC	AMPERES INTERRUPTING CAPACITY	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
ATS	AUTOMATIC TRANSFER SWITCH	NTS	NOT TO SCALE
AVG	AVERAGE	PNL	PANEL
BKR	BREAKER	P	POLE
C	CONDUIT	PH	PHASE
CKT	CIRCUIT	RX	REMOVE EXISTING
CTs	CURRENT TRANSFORMERS	SCADA	SUPERVISORY CONTROL AND DATA ACQUISITION
DT	DOUBLE THROW	V/PH/HZ	VOLTS/PHASE/HERTZ
ECB	ENCLOSED CIRCUIT BREAKER	V	VOLTS
EGC	EQUIPMENT GROUNDING CONDUCTOR	VTR	VENT THRU ROOF
ETR	EXISTING TO REMAIN	W/O	WITH OUT
FD	FLOOR DRAIN	W	WIRE
GRD OR G	GROUND	WP	WEATHERPROOF
HP	HORSEPOWER	XFMR	TRANSFORMER

**CONVENTIONS**



**MCC ELEVATION**  
SCALE: 1/2" = 1'-0"



DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND



DESIGNED BY:	R.N.
DRAWN BY:	R.N.
CHECKED BY:	E.A.H.
DATE:	APRIL, 2006
BY NO.	
REVISION	

**ELECTRICAL LEGEND, SYMBOLS AND DETAILS**

600' SCALE MAP NO.	46	BLOCK NO.	10
F.C.C. WORK ORDER NO.	30766		
FILE NAME:			

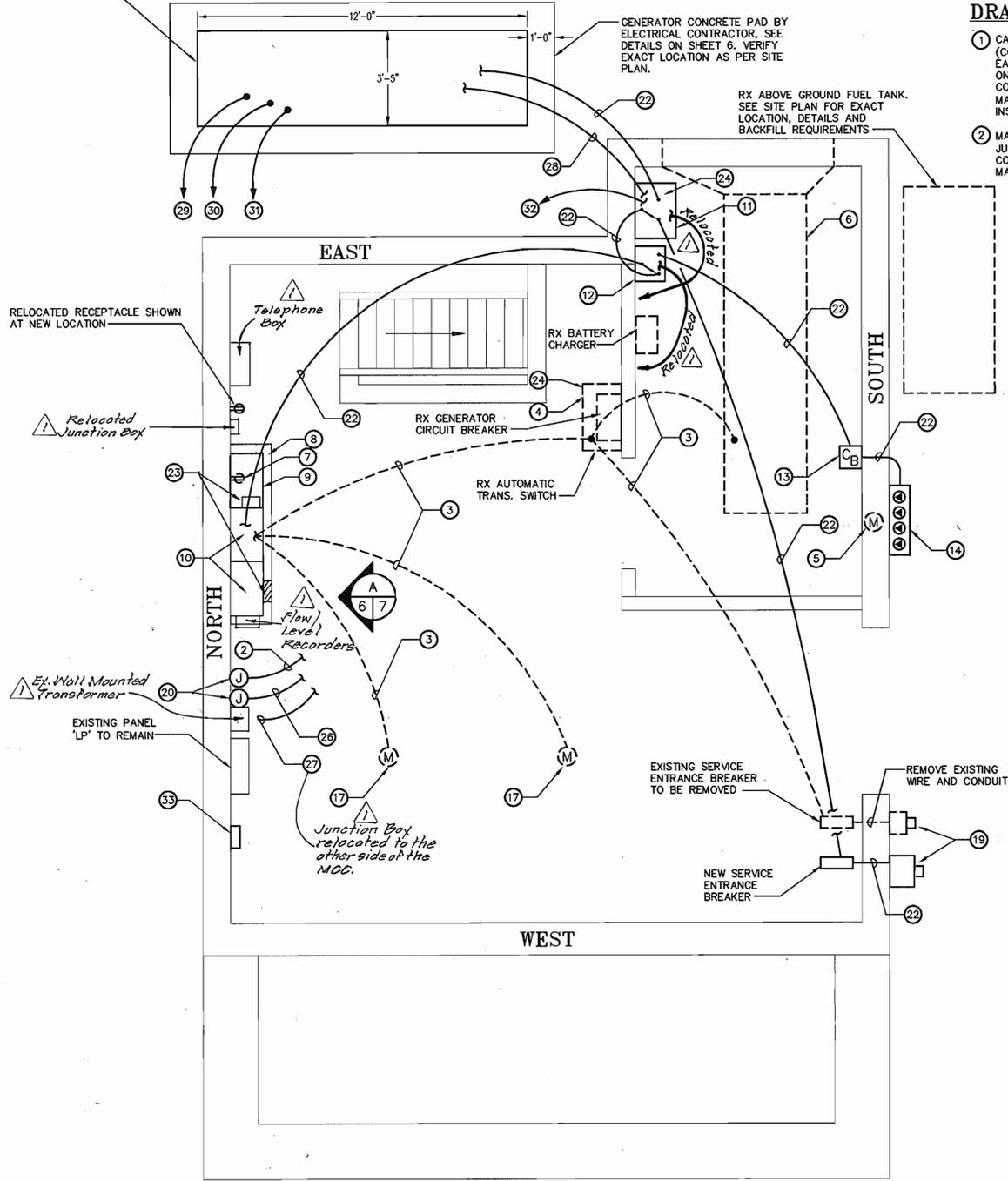
**MODIFICATIONS TO THE CHERRYTREE FARM WASTEWATER PUMPING STATION**

CONTRACT NO. 20-4267-D  
SIXTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 6 of 7

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150KW OUTDOOR PAD MOUNTED GENERATOR IN SOUND CRITICAL ENCLOSURE.



**CONTROL ROOM PLAN**  
3/8"=1'-0"

**GENERAL NOTES:** (APPLY TO THIS DRAWING ONLY)

- DASHED LINES AND SYMBOLS INDICATE WIRES/CONDUITS AND DEVICES/EQUIPMENT TO BE REMOVED.
- SEE SHEET 6 FOR ELECTRICAL SYMBOLS, LEGENDS AND DETAILS.

**DRAWING NOTES:** (APPLY TO THIS DRAWING ONLY)

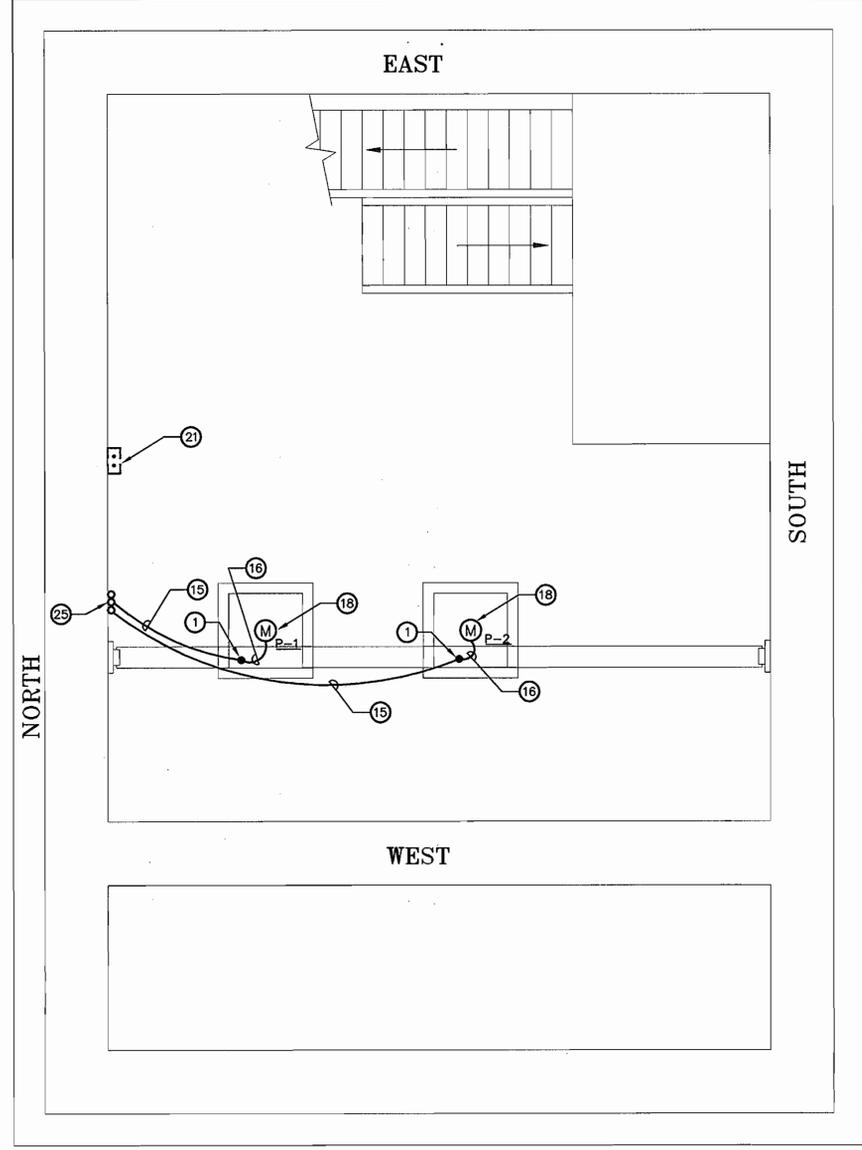
- CABLES SUPPORTED BY KELLEMS GRIPS ON UNDERSIDE OF PUMP ROOM CEILING (CONTROL ROOM FLOOR). ONE POWER AND ONE CONTROL CABLE PER PUMP. EACH CABLE SHALL BE SUPPORTED BY KELLEMS GRIPS INDIVIDUALLY. ONLY ONE GRIP LOCATION PER PUMP IS SHOWN FOR ILLUSTRATION PURPOSES. CONTRACTOR SHALL USE BUS DROP GRIPS AND STRAIN RELIEF GRIPS MANUFACTURED BY KELLEMS (HUBBELL) AS NEEDED FOR A COMPLETE INSTALLATION.
- MAKE TRANSITION FROM FLEXIBLE CABLE TO THHN/THWN WIRE AT THE JUNCTION BOX AND ROUTE THE CONTROL WIRES IN 1" CONDUIT TO NEW PUMP CONTROL PANEL. WIRE GAUGE AS RECOMMENDED BY EQUIPMENT MANUFACTURER.

**DRAWING NOTES:** (CONTINUED)

- ELECTRICAL CONTRACTOR SHALL REMOVE CABLES BUT MAY LEAVE CONDUITS BURIED IN CONCRETE IN PLACE. FOR CONDUITS LEFT IN PLACE, ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO CUT CONDUIT FILL WITH FINISHED FLOOR AND PROVIDE SUITABLE DAMMING MATERIAL AND FILL CONDUIT OPENING AT LEAST WITH 2" CONCRETE.
- REMOVE EXISTING AUTOMATIC TRANSFER SWITCH AND DELIVER TO OWNER AT THE LITTLE PATUXENT WATER RECLAMATION PLANT, 8900 GREENWOOD PLACE, SAVAGE, MD 20763. CONTACT MR. BOB FUNK AT 410-880-5822 TO COORDINATE DELIVERIES.
- DISCONNECT EXISTING MOTORIZED LOUVER AND REMOVE WIRING BACK TO SOURCE.
- DISCONNECT AND REMOVE EMERGENCY GENERATOR AND ALL ASSOCIATED WIRING, CONDUIT AND EQUIPMENT INCLUDING GENERATOR CIRCUIT BREAKER, BATTERIES, BATTERY CHARGER, FUEL TANK, EXHAUST MUFFLER, ETC. AND DELIVER IT TO OWNER AT THE LITTLE PATUXENT WATER RECLAMATION PLANT, 8900 GREENWOOD PLACE, SAVAGE, MD 20763. CONTACT MR. BOB FUNK AT 410-880-5822 TO COORDINATE DELIVERIES.

**DRAWING NOTES:** (CONTINUED)

- RELOCATE EXISTING SURFACE MOUNT RECEPTACLE TO MAKE ROOM FOR NEW SECTION OF MCC. REINSTALL RECEPTACLE AT LOCATION AS SHOWN AND EXTEND EXISTING CIRCUIT.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PREPARE A HOUSEKEEPING CONCRETE PAD TO MATCH THE HEIGHT AND DEPTH OF EXISTING MCC PAD. WIDTH OF CONCRETE PAD TO MATCH WIDTH OF ADDITIONAL MCC SECTION.
- INSTALL ADDITIONAL SECTION OF MCC ADJACENT TO EXISTING MCC. CABLE CONNECT ADDITIONAL MCC SECTION TO THE MAIN LUGS OF EXISTING MCC INCLUDING 3#4/0 & 1#4 GRD - 2 1/2" CONDUIT. ADDITIONAL MCC SECTION SHALL INCLUDE 2 SIZE 3 COMBINATION STARTERS AS SHOWN ON THE ONE-LINE DIAGRAM.
- EXISTING TO REMAIN SECTIONS OF MCC AND CONCRETE PAD. CONTRACTOR SHALL UPGRADE THE EXISTING CT'S IN THE MAIN SECTION OF EXISTING MCC.
- AUTOMATIC TRANSFER SWITCH. 3P-480V, 225A MIN.
- MANUAL TRANSFER SWITCH. NEMA1, 3P-480V, 225A MIN.
- CIRCUIT BREAKER. NEMA 1, 3P-480V, 225A.
- POWER RECEPTACLES FOR BACK-UP EMERGENCY GENERATOR. HUBBELL MODEL #HBL400IT-400A SINGLE POLE MALE RECEPTACLE ONE EACH IN RED, BLACK, BLUE AND GREEN IN A NEMA 4X HINGED COVER, WIRE TROUGH ENCLOSURE AS MANUFACTURED BY HOFFMAN. COORDINATE MOUNTING HEIGHT OF WIRE TROUGH WITH OWNER IN THE FIELD.
- CONTRACTOR SHALL SUPPORT THE POWER AND CONTROL CABLES ON UNDERSIDE OF THE PUMP ROOM CEILING (CONTROL ROOM FLOOR). SUPPORT CABLES AS REQUIRED BY NEC. USE STRAIN RELIEF GRIPS AS NEEDED AND ROUTE THE CABLES TO THREE (3)-1 1/2" CONDUIT SLEEVES. SEE NOTE 25 FOR FURTHER DETAILS.
- FLEXIBLE CABLES HELD BY KELLEMS GRIPS ON UNDERSIDE OF PUMP ROOM CEILING (CONTROL ROOM FLOOR). ONE POWER AND ONE CONTROL CABLE PER PUMP. FLEXIBLE CABLES SHALL BE PROVIDED BY PUMP MANUFACTURER, WIRED AND INSTALLED BY ELECTRICAL CONTRACTOR. CONTRACTOR SHALL PROVIDE ENOUGH SLACK IN EACH CABLE SO THAT THE MOTOR CAN BE REMOVED AND PLACED ON THE FLOOR FOR SERVICE IN FUTURE. REFER TO MECHANICAL PLAN FOR CROSS-SECTIONAL PLAN VIEW.
- DISCONNECT AND REMOVE EXISTING 25HP MOTORS, PUMPS AND ASSOCIATED HARDWARE AND TURN THEM OVER TO OWNER AT THE LITTLE PATUXENT WATER RECLAMATION PLANT, 8900 GREENWOOD PLACE, SAVAGE, MD 20763. CONTACT MR. BOB FUNK AT 410-880-5822 TO COORDINATE DELIVERIES.
- NEW 40HP DRY PIT SUBMERSIBLE PUMPS.
- ELECTRICAL CONTRACTOR SHALL REMOVE THE EXISTING METER BASE AND PROVIDE NEW METER BASE AND CT CABINET AS PER BGE SPECIFICATIONS. CT'S AND NEW METER SHALL BE PROVIDED BY BGE. ELECTRICAL CONTRACTOR SHALL COORDINATE THE TRANSITION OF ELECTRICAL SERVICE WITH BGE.
- CONTRACTOR SHALL INSTALL 3 JUNCTION BOXES, 2 FOR POWER FOR NEW PUMPS (1 FOR EACH PUMP) AND 1 JUNCTION BOX FOR THE COMBINED CONTROL WIRING FOR BOTH PUMPS. MOUNT JUNCTION BOXES 12" AFF. ON THE WALL. COORDINATE EXACT LOCATION OF JUNCTION BOXES IN THE FIELD AND WITH LOCATION OF CONDUIT SLEEVES (SEE NOTE 25).
- EXISTING TWO PUSH BUTTON KILL SWITCHES TO BE REPLACED BY TWO NEW WATERPROOF AND WATERTIGHT PUSH BUTTON SWITCHES. CONTRACTOR MAY REUSE EXISTING WIRE AND CONDUIT FROM PUSH BUTTON SWITCHES TO MCC. CONTRACTOR SHALL EXTEND THE WIRING FROM EXISTING SECTION OF MCC TO NEW SECTION OF MCC. EACH PUSH BUTTON SWITCH SHALL BE WIRED TO INTERRUPT POWER TO NEW 40HP MOTOR. LABEL SWITCHES "EMERGENCY SHUT DOWN PUMP 1" AND "EMERGENCY SHUT DOWN PUMP 2" RESPECTIVELY.
- FOR WIRE AND CONDUIT SIZE, SEE "POWER ONE-LINE DIAGRAM ON SHEET 6.
- EXISTING ULTRASONIC LEVEL MONITOR PANEL TO REMAIN. CONTRACTOR SHALL REMOVE THE PANEL MOUNTED ON SIDE OF EXISTING MCC AND EXTEND ALL CONTROL WIRING AND MOUNT THE PANEL ON THE SIDE OF NEW MCC SECTION.
- EXISTING 3-PHASE MONITOR, TIME MARK CORPORATION MODEL 257, IN EXISTING AUTOMATIC TRANSFER SWITCH, CONNECTED TO EXISTING SCADA SYSTEM IN MCC. ELECTRICAL CONTRACTOR SHALL PROVIDE A NEW 3-PHASE MONITOR BY TIME MARK CORPORATION MODEL 257 IN NEW AUTOMATIC TRANSFER SWITCH AND EXTEND THE WIRING FROM EXISTING AUTOMATIC TRANSFER SWITCH TO NEW AUTOMATIC TRANSFER SWITCH. CONTRACTOR SHALL REWIRE THE NEW 3-PHASE MONITOR TO EXISTING SCADA SYSTEM.
- INSTALL 3 - 1 1/2" CONDUIT SLEEVES WITH INSULATING BUSHINGS THRU PUMP ROOM CEILING (CONTROL ROOM FLOOR). 2 - 1 1/2" CONDUIT SLEEVES ARE FOR POWER CABLE OF EACH PUMP. THIRD 1 1/2" CONDUIT SLEEVE IS FOR CONTROL CABLE OF BOTH PUMPS. ROUTE CABLES THRU THE CEILING TO 3 JUNCTION BOXES SHOWN ON CONTROL ROOM FLOOR PLAN. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF CONDUIT SLEEVES IN THE FIELD.
- CONTRACTOR SHALL MAKE TRANSITION FROM FLEXIBLE CABLE TO 3#4 & 1#8 GRD. - 1" CONDUIT AND SHOWN AND ROUTE THE WIRE/CONDUIT TO THE NEW STARTER FOR PUMP 1 IN NEW SECTION OF MCC.
- CONTRACTOR SHALL MAKE TRANSITION FROM FLEXIBLE CABLE TO 3#4 & 1#8 GRD. - 1" CONDUIT AND SHOWN AND ROUTE THE WIRE/CONDUIT TO THE NEW STARTER FOR PUMP 2 IN NEW SECTION OF MCC.
- 2#14 - 3/4" C. FOR ENGINE START SIGNAL AND ONE 1" CONDUIT FOR CONTROL WIRING AS REQUIRED BY THE GENERATOR/ATS MANUFACTURER.
- CONNECT 2#10-3/4" C FUSED @ 10A NEAR THE BATTERY FROM 12V DC BATTERY TO EXISTING SCADA SYSTEM IN EXISTING MCC SECTION. 10A FUSE SHALL BE IN SMALL FUSE BLOCK WITHIN A WEATHERPROOF ENCLOSURE.
- 2#10 & 1#12 G. - 3/4" C. TO EXISTING SPARE 1P-20 CIRCUIT IN PANEL LP FOR GENERATOR BLOCK HEATER.
- 2#10 & 1#12 G. - 3/4" C. TO EXISTING SPARE 1P-20 CIRCUIT IN PANEL LP FOR BATTERY CHARGER.
- 3/4" CONDUIT FROM ATS TO EXISTING SCADA SYSTEM IN EXISTING MCC. NUMBER OF CONTROL WIRES AS REQUIRED BY THE EXISTING SCADA SYSTEM.
- NEW PUMP CONTROL PANEL FURNISHED BY SUBMERSIBLE PUMP SUPPLIER. EXACT MOUNTING LOCATION OF PUMP CONTROL PANEL TO BE COORDINATED IN THE FIELD WITH OWNER. CONNECT NEW PUMP CONTROL PANEL TO A NEW 1P-20A BREAKER IN PANEL LP USING 2#12 & 1#12 G. - 3/4" C. CONTRACTOR SHALL ALSO PROVIDE WIRE AND CONDUIT AS REQUIRED TO CONNECT THE CONTROL PANEL TO EXISTING SCADA SYSTEM IN MCC.



**PUMP ROOM PLAN**  
3/8"=1'-0"

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CHECKED BY:	E.A.H.		
DATE:	APRIL, 2006	FCC 1 Added as-built information	1-8-08
BY NO.		REVISION	DATE

<b>ELECTRICAL PLAN</b>	
600' SCALE MAP NO. 46	BLOCK NO. 10
F.C.C. WORK ORDER NO. 30796	
FILE NAME:	

**MODIFICATIONS TO THE CHERRYTREE FARM WASTEWATER PUMPING STATION**

CONTRACT NO. 20-4267-D  
SIXTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 7 OF 7

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