

WASTE WATER SEWER CONNECTION

at

Hayti Maintenance Facility

For

Missouri Department of Transportation

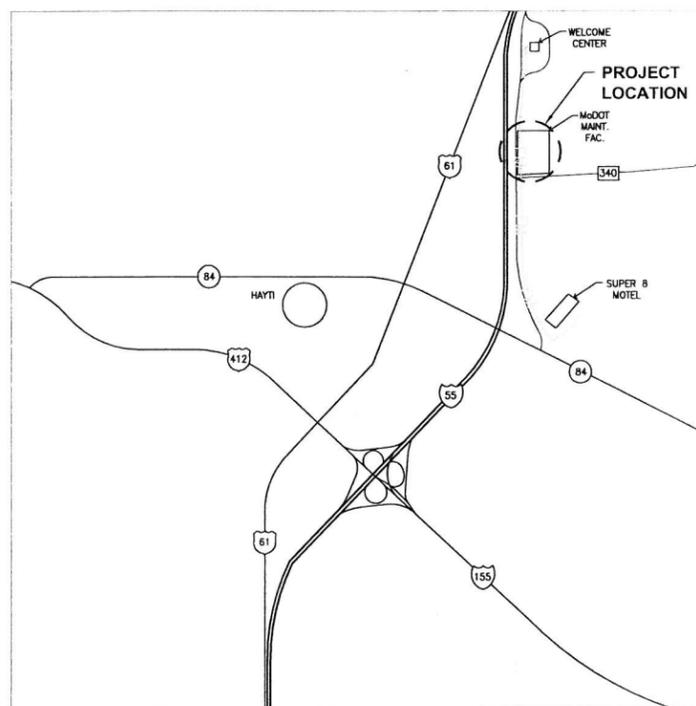
District Ten



CDG Engineers Architects Planners, Inc.



SITE MAP



VICINITY MAP
(NOT TO SCALE)

GENERAL CONDITIONS

1. THESE DRAWINGS ARE PROVIDED FOR PRICING AND GENERAL CONSTRUCTION. CONTRACTORS SHALL VERIFY EXISTING CONDITIONS AT TIME OF BIDDING AND NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY WHEN DISCREPANCIES ARE DISCOVERED.
2. ALL CONSTRUCTION DEBRIS MUST BE DISPOSED OF BY THIS CONTRACTOR.
3. ANY PERMITS REQUIRED TO START AND COMPLETE THIS PROJECT SHALL BE OBTAINED AND PAID FOR BY THIS CONTRACTOR.
4. ALL EXISTING SURFACES INDICATED TO REMAIN AS EXISTING FINISHED SURFACES OR SUBSTRATES OF NEW FINISHES ARE TO BE REPAIRED TO ORIGINAL CONDITIONS IF DAMAGED BY WORK PERFORMED UNDER THIS CONTRACT, AT NO EXTRA COST TO OWNER.
5. MINIMAL LAY DOWN AREA IS AVAILABLE ADJACENT TO THE BUILDING; COORDINATE SPACE REQUIREMENTS AND LOCATION FOR CONSTRUCTION STAGING/PARKING WITH MoDOT.
6. THIS CONTRACTOR SHALL MAINTAIN A SCHEDULE AS AGREED TO WITH THE CLIENT. CONTRACTOR TO PROVIDE DETAILED CONSTRUCTION SCHEDULE AT THE TIME OF BIDDING.
7. ALL DISTURBED GRASS AREA'S OR PLANTER BEDS AND VEGETATION AROUND THE BUILDING SHALL BE RETURNED TO THEIR ORIGINAL CONDITION BY THIS CONTRACTOR. DEPRESSIONS CAUSED BY WORK UNDER THIS CONTRACT SHALL BE FILLED WITH TOP SOIL AND HAVE NEW BLUEGRASS SOD INSTALLED.
8. ALL PIPE DISTANCES SHOWN ARE IN HORIZONTAL FEET WITHOUT ALLOWANCES FOR ADDITIONAL PIPE THAT MAY BE REQUIRED DUE TO VERTICAL ALIGNMENT. PIPE DISTANCES SHOWN ARE FROM CENTERLINE OF MANHOLES. MEASUREMENT FOR PAVEMENT FOR PIPE AND TRENCHING IS TO THE INSIDE FACE OF MANHOLES.
9. SEED AND MULCH ALL AREAS DISTRIBUTED BY CONSTRUCTION, PER MoDOT SPECS.
10. ALL EXISTING FENCES REMOVED DURING CONSTRUCTION SHALL BE REPLACED AT THE ORIGINAL LOCATION. MATERIALS AND CONSTRUCTION OF NEW FENCES SHALL MATCH THE EXISTING FENCES.
11. ALL EXISTING UTILITIES INDICATED ON THE DRAWINGS ARE ACCORDING TO THE BEST INFORMATION AVAILABLE TO THE ENGINEER; HOWEVER, ALL UTILITIES ACTUALLY EXISTING MAY NOT BE SHOWN. UTILITIES DAMAGED THROUGH THE NEGLIGENCE OF THE CONTRACTOR TO OBTAIN THE LOCATION OF SAME SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
12. RELOCATION OF ANY WATER LINE, SEWER LINE OR SERVICE LINE THEREOF REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE AT HIS EXPENSE. CONTRACTOR SHALL ADJUST GRADE OF FORCEMAIN PIPE TO AVOID UTILITY CONFLICTS.

DRAWING LIST

GENERAL:	REV
T-01 TITLE SHEET	1
ARCHITECTURAL	
C-01 PLAN AND PROFILE	1
D-01 LIFT STATION DETAILS	1
D-02 DETAILS	1

LEGEND & ABBREVIATIONS

<p>EXISTING SIGN X</p> <p>EXISTING MANHOLE 555.55</p> <p>EXISTING GAS SERVICE VALVE TBR</p> <p>EXISTING WATER SHUTOFF VALVE TBR&R</p> <p>EXISTING WATER SERVICE VALVE MH</p> <p>EXISTING WATER METER ATG</p> <p>EXISTING FIRE HYDRANT UIP</p> <p>EXISTING FLAG POLE STA</p> <p>EXISTING FLOOD LIGHT ACC</p> <p>EXISTING POWER POLE SV</p> <p>EXISTING GUY WIRE FH</p> <p>EXISTING POST CL</p> <p>EXISTING FENCE Q</p> <p>EXISTING TREE HGL</p> <p>EXIST. CLEANOUT CONC.</p> <p>MH NEW MANHOLE</p> <p> ASPHALT TO BE REMOVED & REPLACED</p> <p> CONCRETE TO BE REMOVED & REPLACED</p> <p> STONE TO BE REMOVED & REPLACED</p> <p>PROFILE CENTER LINE EXISTING SHT.</p> <p>EXIST. WATER LINE RAD./R</p> <p>EXIST. GAS LINE DIA./ø</p> <p>EXIST. SANITARY SEWER OIP</p> <p>NEW FORCEMAIN</p> <p>NEW SANITARY SEWER</p> <p>EXIST. TELEPHONE LINES O.C.</p> <p>EXIST. UNDERGROUND ELECTRIC R/W</p> <p>EXIST. STRUCTURE PCC</p> <p>NEW STRUCTURES</p> <p>EXIST. CENTER LINE OF ROAD EXIST.</p> <p>EXIST. EDGE OF PAVEMENT EXISTING</p> <p>PROPERTY LINE W/</p> <p>EXIST. CONTOUR WITH</p>	<p>ELEVATION SPOT</p> <p>EXISTING ELEVATION</p> <p>PROPOSED ELEVATION</p> <p>TO BE REMOVED</p> <p>AND REPLACED</p> <p>MANHOLE</p> <p>ADJUST TO GRADE</p> <p>USE IN PLACE</p> <p>STATION</p> <p>ASPHALTIC CEMENT CONCRETE</p> <p>SEWER VENT</p> <p>FIRE HYDRANT</p> <p>CENTER LINE</p> <p>FLOW (CFS)</p> <p>HYDRAULIC GRADE LINE</p> <p>PORTLAND CEMENT CONCRETE</p> <p>AT</p> <p>ANGLE</p> <p>PROFILE GRADE</p> <p>REINFORCED CONCRETE PIPE</p> <p>PVC POLYVINYL CHLORIDE PIPE</p> <p>ELEVATION</p> <p>UNLESS NOTED OTHERWISE</p> <p>VERT. VERTICAL</p> <p>HOR. HORIZONTAL</p> <p>PT POINT OF CURVATURE</p> <p>POINT OF TANGENCY</p> <p>SHEET</p> <p>RADIUS</p> <p>DIAMETER</p> <p>OLD IRON PIPE</p> <p>ON CENTERS</p> <p>RIGHT-OF-WAY</p> <p>PORTLAND CEMENT CONCRETE</p> <p>EXISTING</p> <p>WITH</p>
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UTILITY CONTACTS

WATER & SEWER GAS ELECTRIC OWNER	CITY OF HAYTI 573-359-0212 LEONARD PLUNKETT ATMOS ENERGY AMEREN MISSOURI DEPARTMENT OF TRANSPORTATION 573-472-5216 PAUL HUSKEY
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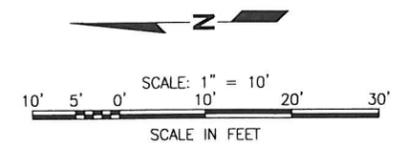


REV.	DATE	DESCRIPTION	APPROVED
1	03/09/11	ISSUED FOR BID	JFM
0	03/19/09	ISSUED FOR BID	JFM

DRAWN BY TWJ
CHECKED BY JFM
SCALE NONE
DATE 02/11/08

MISSOURI DEPARTMENT OF TRANSPORTATION
 WASTE WATER SEWER CONNECTION
 HAYTI MAINTENANCE FACILITY
 TITLE SHEET

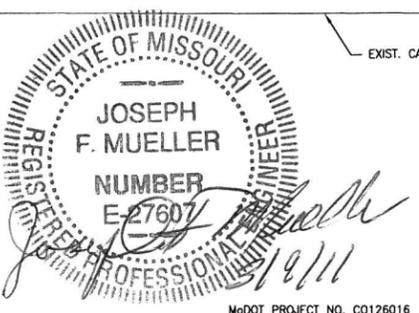
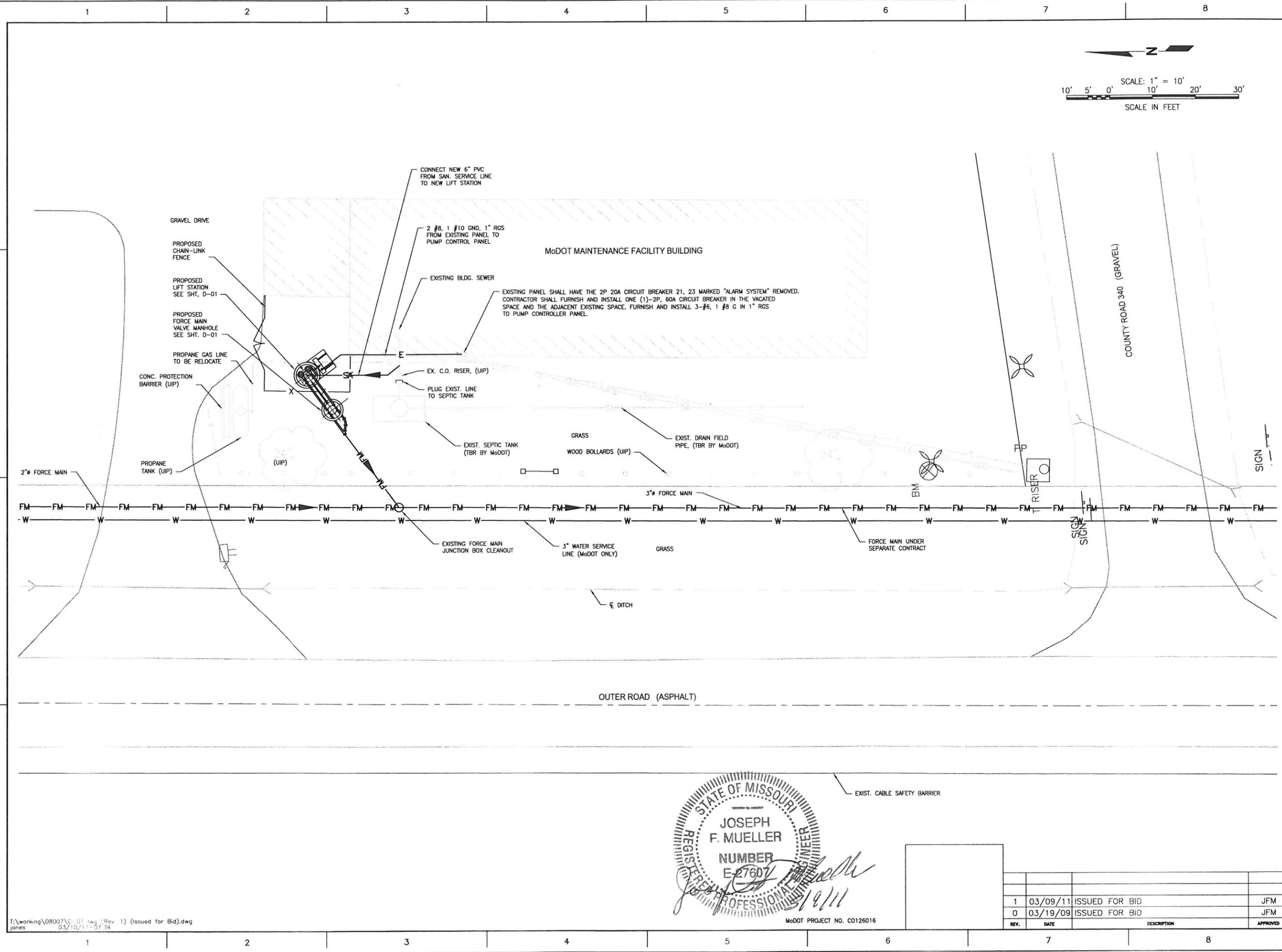
PROJECT NO. 08007
DRAWING NO. T-01



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CHECKED BY	JFM
SCALE	NONE
DATE	06/23/08

MISSOURI DEPARTMENT OF TRANSPORTATION
 WASTE WATER SEWER CONNECTION
 HAYTI MAINTENANCE FACILITY
 SITE PLAN

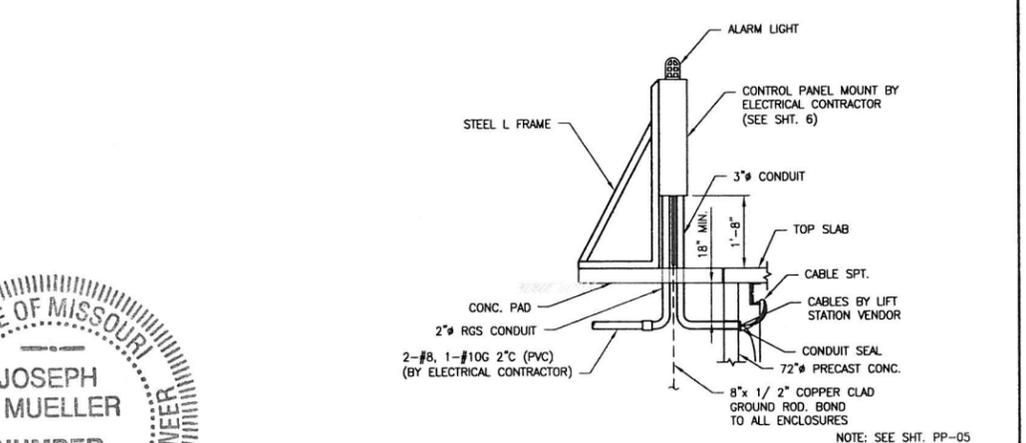
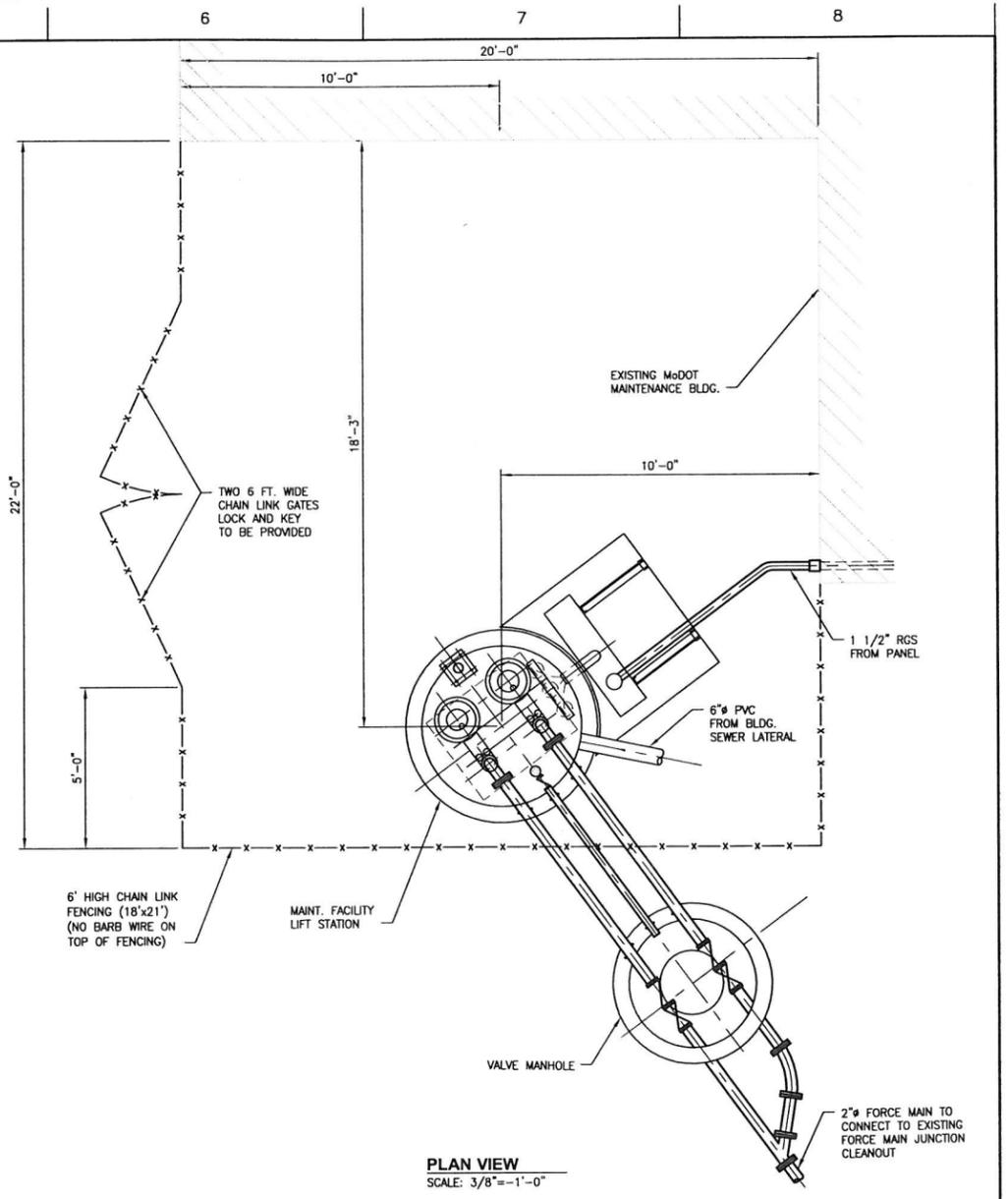
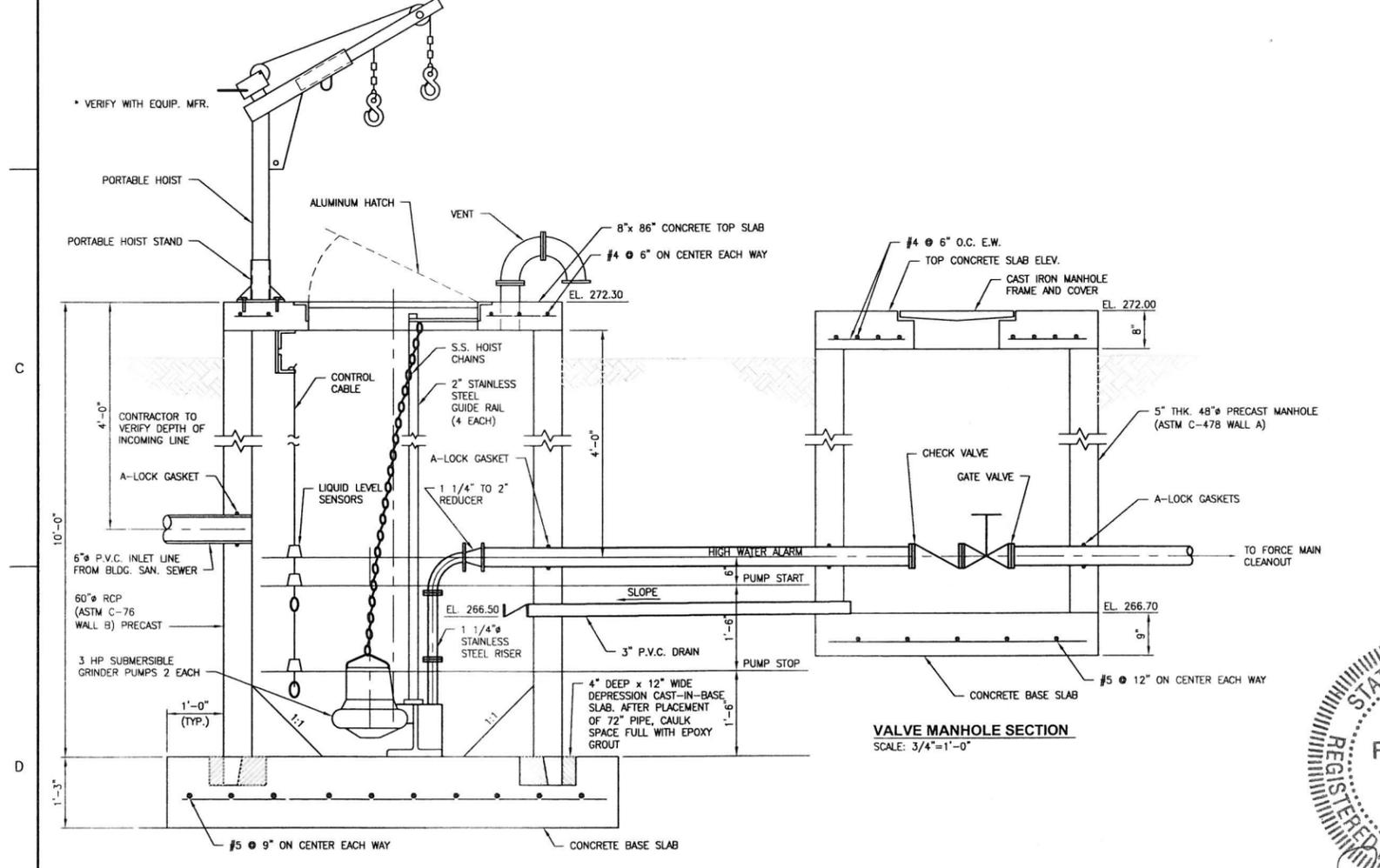
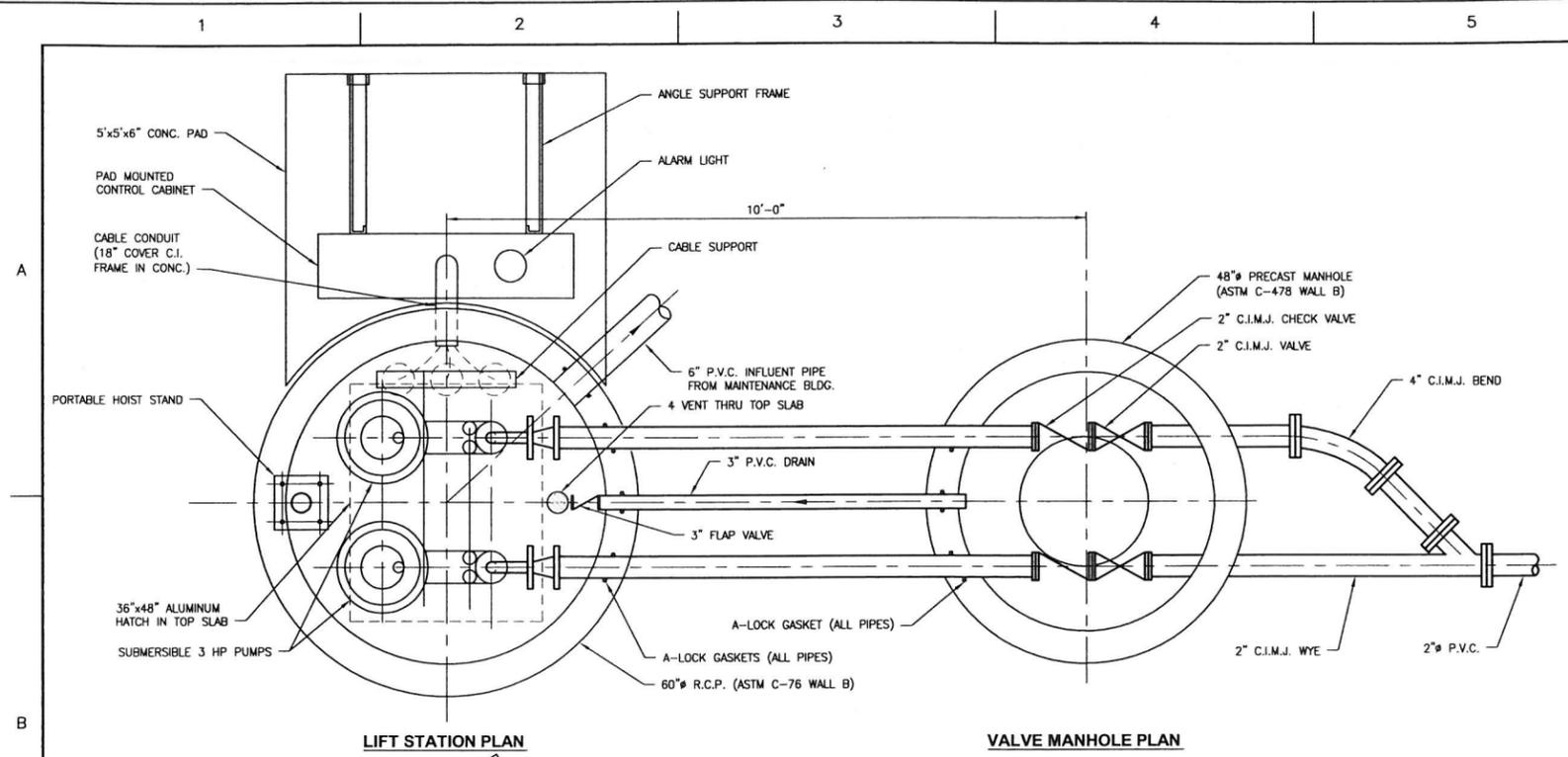
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DRAWING NO.	C-01



MoDOT PROJECT NO. C0126016

REV.	DATE	DESCRIPTION	APPROVED
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0	03/19/09	ISSUED FOR BID	JFM

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STATE OF MISSOURI
REGISTERED PROFESSIONAL ENGINEER
JOSEPH F. MUELLER
NUMBER E-27607
3/9/11

MoDOT PROJECT NO. C0126016

REV.	DATE	DESCRIPTION	APPROVED
1	03/09/11	ISSUED FOR BID	JFM
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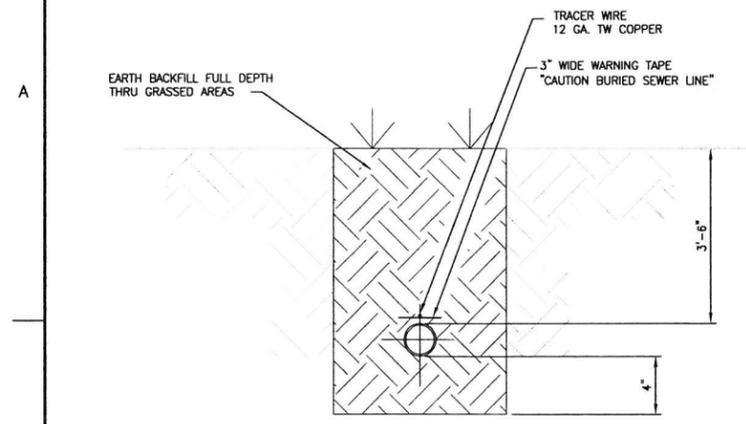


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SCALE NONE
DATE 04/17/08

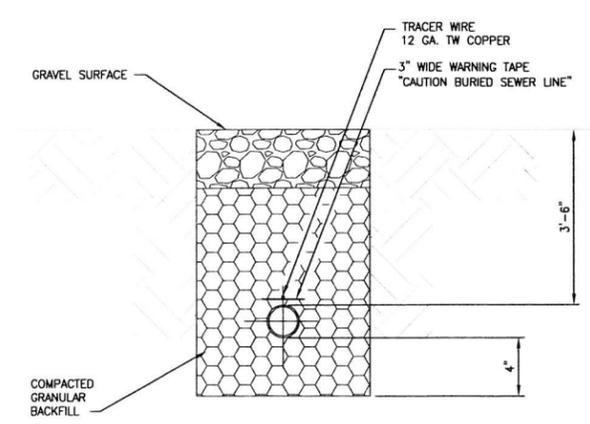
MISSOURI DEPARTMENT OF TRANSPORTATION
HAYTI MAINTENANCE FACILITY SEWER
LIFT STATION DETAILS

PROJECT NO. 08007
DRAWING NO. D-01

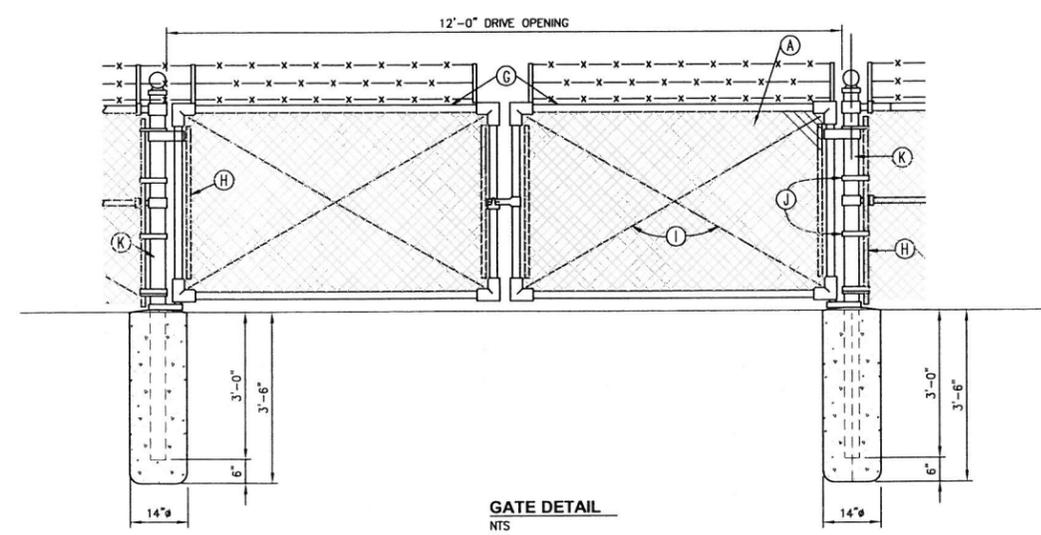
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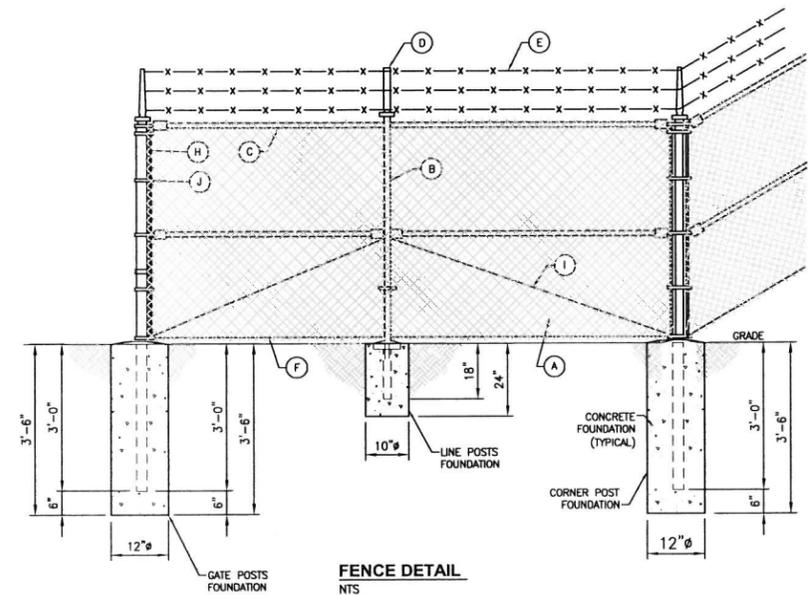
FORCEMAIN TRENCH DETAIL THRU GRASSED AREAS
SCALE: NONE



FORCEMAIN TRENCH DETAIL AT GRAVEL DRIVEWAY
SCALE: NONE



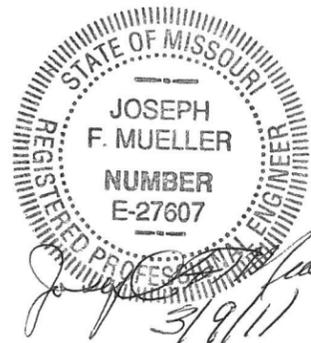
GATE DETAIL
NTS



FENCE DETAIL
NTS

KEYED NOTES: (FENCING)

- (A) CHAINLINK FABRIC - #9 GAUGE STEEL WIRE, WOVEN IN 1" MESH, W/ A CLASS II ALUM. COATING
 - (B) LINE POST - 2 3/8" O.D. GALV. STEEL PIPE FOR LINE POSTS. 2-7/8" O.D. GALV. STEEL PIPE FOR TERMINAL POSTS.
 - (C) TOP RAIL - 1 5/8" O. D. GALV. STEEL PIPE
 - (D) EXTENSION ARM - ARRANGED TO CARRY 3 STRANDS OF BARBED WIRE, 45° TO OUTSIDE
 - (E) BARBED WIRE - COPPERWELD STEEL CO. "ALUMOWELD" FOUR POINT IOWA TYPE LIGHT WEIGHT
 - (F) BOTTOM TENSION WIRE - #7 GAUGE ALUMINUM COATED SPRING COIL OR CRIMPED WIRE.
 - (G) GATE FRAME - 2" O.D. GALV. STEEL PIPE
 - (H) STRETCHER BAR - 1/4"x 3/4" L (GALV.)
 - (I) TRUSS ROD (GALV.)
 - (J) STRETCHER BAR BAND (GALV.)
 - (K) GATE POST
- a. SINGLE, TO 6' OR DOUBLE, TO 12' INCLUDE - 2 7/8"
- b. SINGLE, 6' TO 13' INCLUDE OR DOUBLE OVER 12' TO 26' INCLUDE-4"

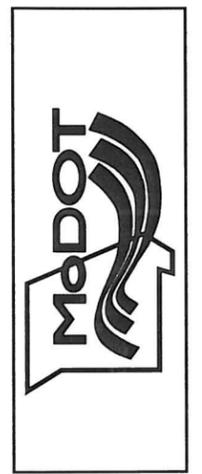


MoDOT PROJECT NO. C0126016

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DRAWN BY	TWJ
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SCALE	NONE
DATE	04/17/08

MISSOURI DEPARTMENT OF TRANSPORTATION
HAYTI MAINTENANCE FACILITY SEWER
DETAILS AND SURVEY CONTROL POINT TIES

PROJECT NO.	08007
DRAWING NO.	D-02

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1	03/09/11	ISSUED FOR BID	JFM
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