

**DESIGN DESIGNATION**

A.A.D.T. - 20XX = XXXX  
 A.A.D.T. - 20XX = XXXX  
 D.H.V. = XX%  
 T = XX%  
 V = XX M.P.H.  
 D = XX%

FUNCTIONAL CLASSIFICATION-

# MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

## PLANS FOR PROPOSED

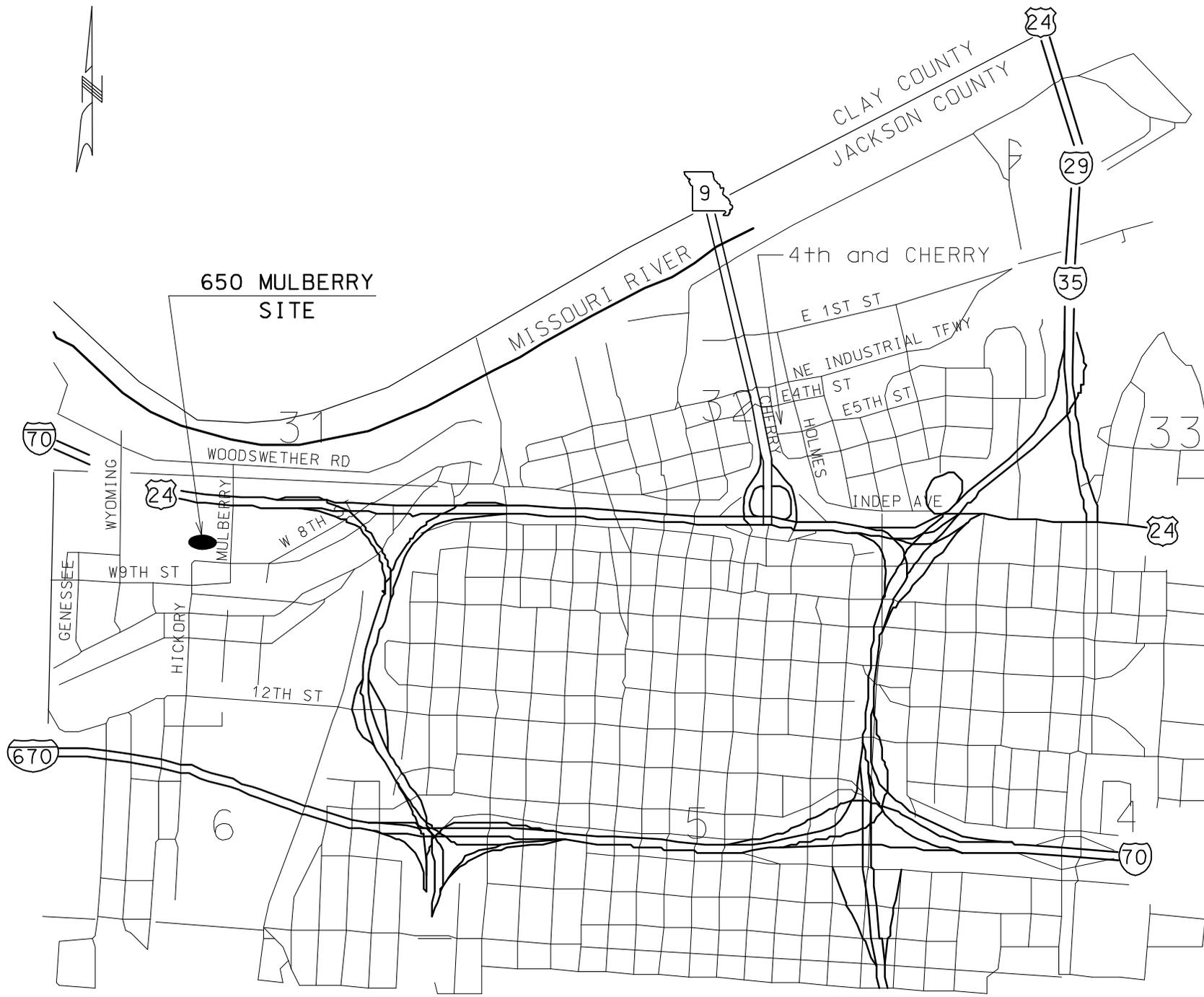
### 650 MULBERRY SITE GRADING PLANS

### JACKSON COUNTY

**INDEX OF SHEETS**

DESCRIPTION	SHEET NUMBER
TITLE SHEET -----	1
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QUANTITIES (QU) (1 SHEET)-----	3
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DATE PREPARED 08/27/2009	
ROUTE	STATE MO
DISTRICT 4	SHEET NO. 1
COUNTY JACKSON	
JOB NO. TJ414001	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DATE	DESCRIPTION
8/23/09	UPDATED PLAN SHEET NO.



**CONVENTIONAL SYMBOLS**

(USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS		
OVERHEAD TELEPHONE		
UNDERGROUND TELEPHONE		
OVERHEAD POWER		
UNDERGROUND POWER		
GAS		
WATER		
MANHOLE		
FIRE HYDRANT		
WATER VALVE		
WATER METER		
DROP INLET		
DITCH BLOCK		
GROUND MOUNTED SIGN		
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL		
FENCE		
CHAIN LINK		
WOVEN WIRE		
GATE POST		
BENCHMARK		

SCALE MILE



**LENGTH OF PROJECT**

BEGINNING OF PROJECT	STA. XXX + XX.XX
END OF PROJECT	STA. XXX + XX.XX
APPARENT LENGTH	XXXXX.XX FEET
EQUATIONS AND EXCEPTIONS:	

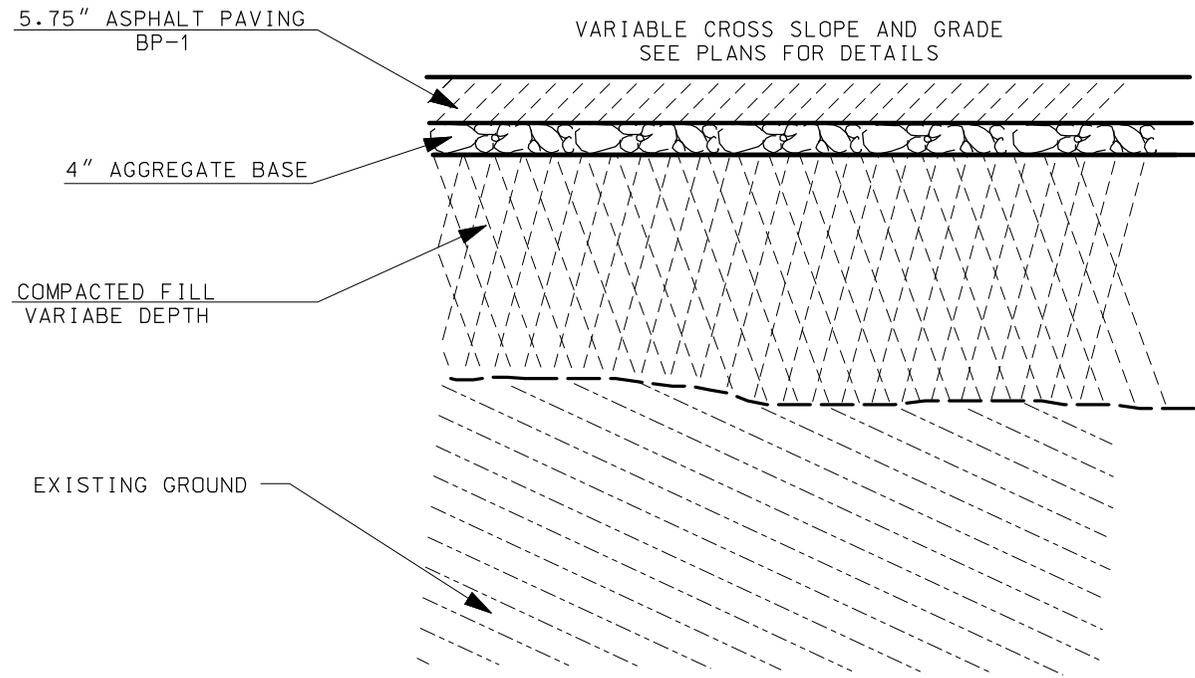
TOTAL CORRECTIONS	XXXXX.XX FEET
NET LENGTH OF PROJECT	XXXXX.XX FEET
STATE LENGTH	XX.XXX MILES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

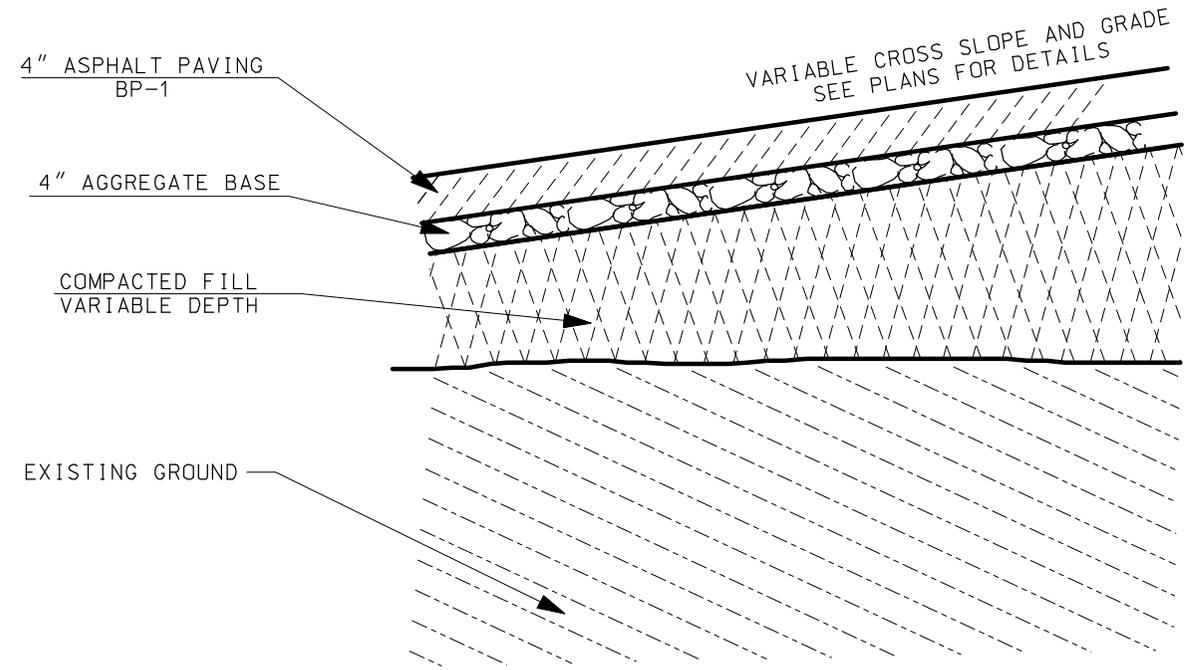


105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

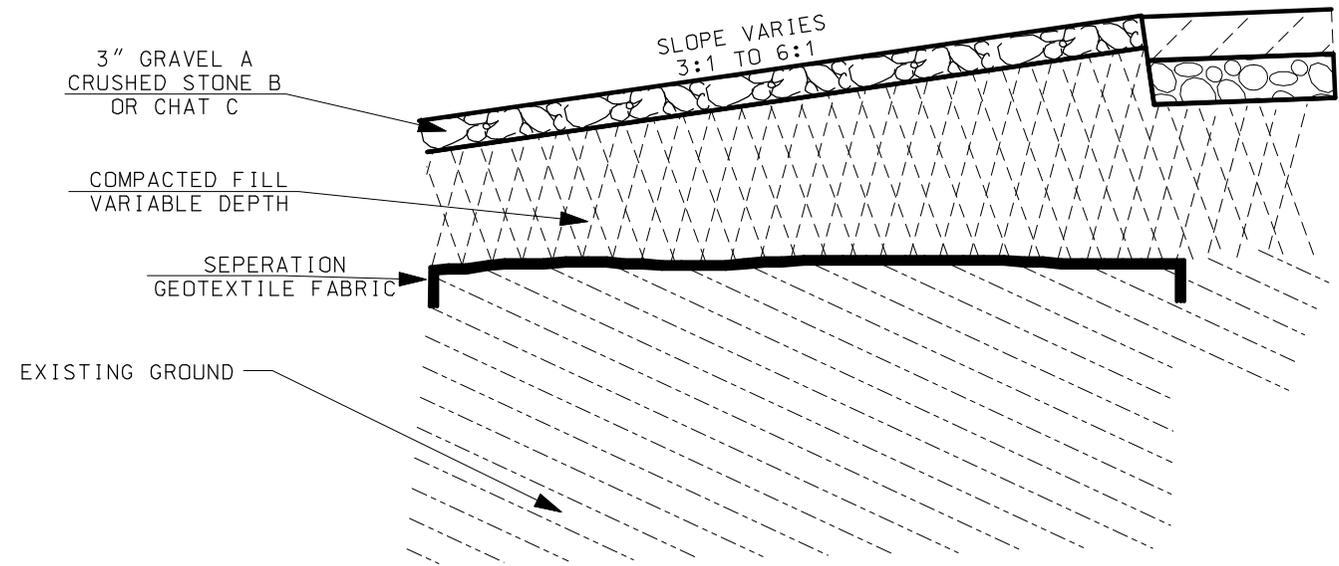
650 MULBERRY



MAINTENANCE LOT PAVING



EMPLOYEE PARKING LOT PAVING  
LOCATED EAST OF MAINTENANCE BUILDING



PERIMETER PAVING

ESTIMATE FACTORS:

GRAVEL A, CR STONE B, OR CHAT C - 0.039 TONS / SQ YD / INCH  
 BITUMINOUS PAV'T, BP-1, PG 64-22 - 1.984 TONS / CU YD  
 PRIME - 0.35 GALLONS / SQ YD

DATE PREPARED 08/27/2009	
ROUTE	STATE MO
DISTRICT	SHEET NO. 2
COUNTY	

JOB NO. JACKSON
CONTRACT ID. TJ414001
PROJECT NO.

BRIDGE NO.
------------

DATE	DESCRIPTION	ASPH TYPE	X-SLOPE	GRADES
8/23/09				

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION



105 WEST CAPITOL  
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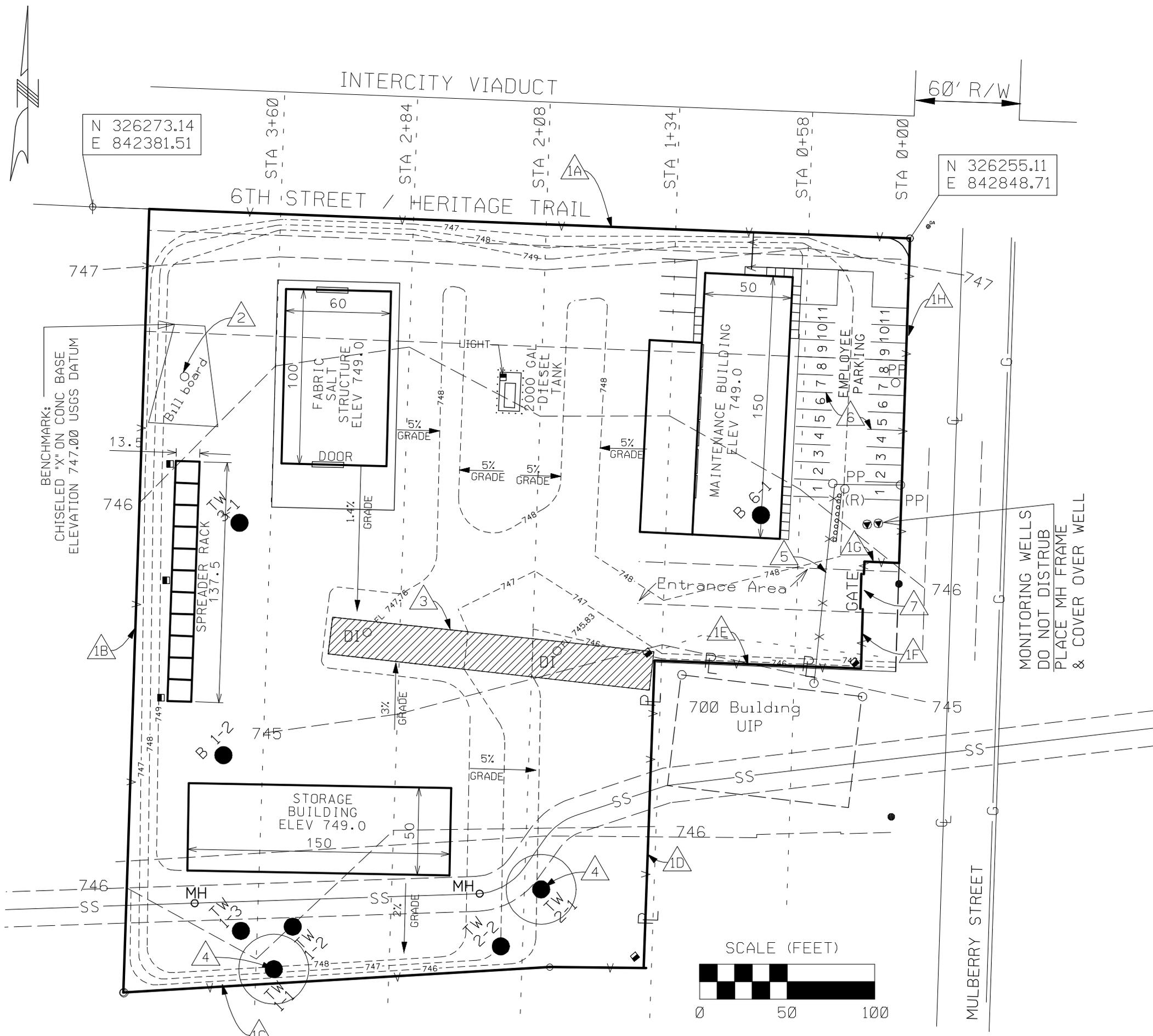
TYPICAL SECTION  
650 MULBERRY

# MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

## SUMMARY OF QUANTITIES

MODOT STD	ITEM	QUANTITY	MODOT STD	ITEM	QUANTITY
600	UTILITY CONNECTION - WATER	1 LUMP SUM	304	4-INCHES TYPE 5 AGGREGATE	12340 SQ YD
600	UTILITY CONNECTION - SEWER	1 LUMP SUM	401	BITUMINOUS PAVEMENT (BP-1)	4056.17 TONS
600	UTILITY CONNECTION - GAS	1 LUMP SUM	202	SPECIAL WASTE HAULING	1 LUMP SUM
600	UTILITY CONNECTION - POWER	1 LUMP SUM	618	MOBILIZATION	1 LUMP SUM
600	UTILITY CONNECTION - PHONE / DATA	1 LUMP SUM	806	SILT FENCE	400 FEET
627	CONTRACTOR SURVEYING & STAKING	1 LUMP SUM	806	SEDIMENT REMOVAL	200 CU YD
202	CONCRETE SLAB REMOVAL	150 SQ YD	607	72-INCH CHAIN LINK FENCE WITH 3 STAND BARB WIRE	1718 FEET
202	REMOVAL OF IMPROVEMENTS 150' FENCE 30' GUARD RAIL AND POSTS	1 LUMP SUM	607	25-FOOT SLIDE GATE	1 EACH
201	CLEARING AND GRUBBING	3.6 ACRES	901	PLACE WOOD LIGHT POLES, MODOT FURNISHED	6 EACH
203	SPECIAL CLASS A EMBANKMENT OBTAINING AND HAULING	13000 CU YD	901	150 WATT HPS LIGHTS	6 EACH
203	EMBANKMENT IN PLACE	10824 CU YD	901	6-FOOT BRACKET ARMS	6 EACH
604	8" PVC DOWNSPOUT DRAIN	160 LIN FT	620	EMPLOYEE PARKING PAINT MARKING	240 FEET
614	MANHOLE FRAME AND COVER, TYPE 2 STA 0+10 140' LT	2 EACH	901	3/4-INCH CONDUIT EXPLOSION PROOF	173 FEET
604	ADJUSTING DROP INLETS: STA 193+84 243' LT INCLUDE GRATE AND BEARING PLATE  STA 301+38 237' LT INCLUDE GRATE AND BEARING PLATE	2 EACH	901	1-INCH CONDUIT SCHEDULE 80 PVC	2283 FEET
310	GRAVEL A, CRUSHED STONE B OR CHAT C	140 TONS	603	2-INCH COPPER PIPE TYPE K	417 FEET
624	SEPERATION GEOTEXTILE FABRIC	2854 SQ YD			
408	PRIME	4320 GALLON			

DATE PREPARED 08/27/2009	
ROUTE 4	STATE MO
DISTRICT 4	SHEET NO. 3
COUNTY JACKSON	
JOB NO. TJ414001	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	UPDATED QUANTITIES
DATE	8/23/09
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
	
105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
SUMMARY SHEET SHEET 1 OF 1	



Drop Inlet (W) N 326029.46 E 842538.39  
 Drop Inlet (E) N 326018.85 E 842647.01

NW Corner of 700 Building N 326005.20 E 842718.33  
 NE Corner of 700 Building N 325992.69 E 842821.55

N 326273.14  
 E 842381.51

N 326255.11  
 E 842848.71

Bill board  
 N 326175.94  
 E 842434.02

MAINTENANCE BUILDING	NORTHING	EASTING
NW CORNER	326230.78	842732.47
NE CORNER	326230.24	842782.46
SE CORNER	326080.24	842779.97
SW CORNER	326080.79	842729.97

FABRIC SALT BUILDING	NORTHING	EASTING
NW CORNER	326212.40	842493.15
NE CORNER	326213.20	842553.15
SE CORNER	326113.21	842553.89
SW CORNER	326112.42	842493.89

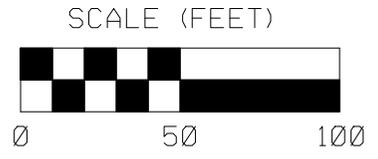
STORAGE BUILDING	NORTHING	EASTING
NW CORNER	325927.56	842446.94
NE CORNER	325930.52	842596.93
SE CORNER	325880.53	842597.63
SW CORNER	325877.57	842447.64

SPREADER RACK	NORTHING	EASTING
NW CORNER	326111.62	842433.46
NE CORNER	326111.67	842446.96
SE CORNER	325974.17	842446.71
SW CORNER	325974.12	842433.21

- 1 INSTALL 1,718 FEET OF 96-INCH CHAIN LINK FABRIC FENCE WITH 3 STRANDS BARB WIRE ON TOP. INSTALLATION SHALL INCLUDE ALL POST, CONNECTORS, STRAPS, HINGES, NUTS, BOLTS, BASE CONCRETE NECESSARY TO COMPLETE THE INSTALLATION  
 1A - 435 FEET      1E - 118 FEET  
 1B - 449 FEET      1F - 36 FEET  
 1C - 299 FEET      1G - 20 FEET  
 1D - 175 FEET      1H - 186 FEET  
 REFER TO MDDOT SPEC 607 AND STD DRAW 607-10
- 2 DO NOT DISTURB BILLBOARD. CONTRACTOR TO ALLOW REASONABLE INGRESS / EGRESS ACCESS TO BILLBOARD COMPANY
- 3 REMOVE AND DISPOSE OF 150 SQ YD CONCRETE SLAB, 8 TO 9 INCH AVERAGE THICKNESS.
- 4 LOCATE AND IDENTIFY TEST WELL SITES TW-1 AND TW-2. DO NOT EXCAVATE WITHIN 20 FEET OF THESE TWO SITES. SEE JOB SPECIAL PROVISIONS
- 5 REMOVE 150 FOOT OF FENCE, GUARD RAIL AND POST. BACKFILL HOLES WITH SAND.
- 6 CONTRACTOR TO PAINT PARKING LOT STRIPES 22 10-FOOT BY 20-FOOT SPACES.
- 7 CONTRACTOR TO FURNISH 25-FOOT SLIDE GATE. INCLUDES ALL BRACKETS AND HARDWARE FOR INSTALLATION.

MONITORING WELLS  
 DO NOT DISTURB  
 PLACE MH FRAME  
 & COVER OVER WELL



DATE PREPARED 08/27/2009

ROUTE STATE MO DISTRICT SHEET NO. 4 4

COUNTY JACSON JOB NO. TJ414001 CONTRACT ID.

PROJECT NO. BRIDGE NO.

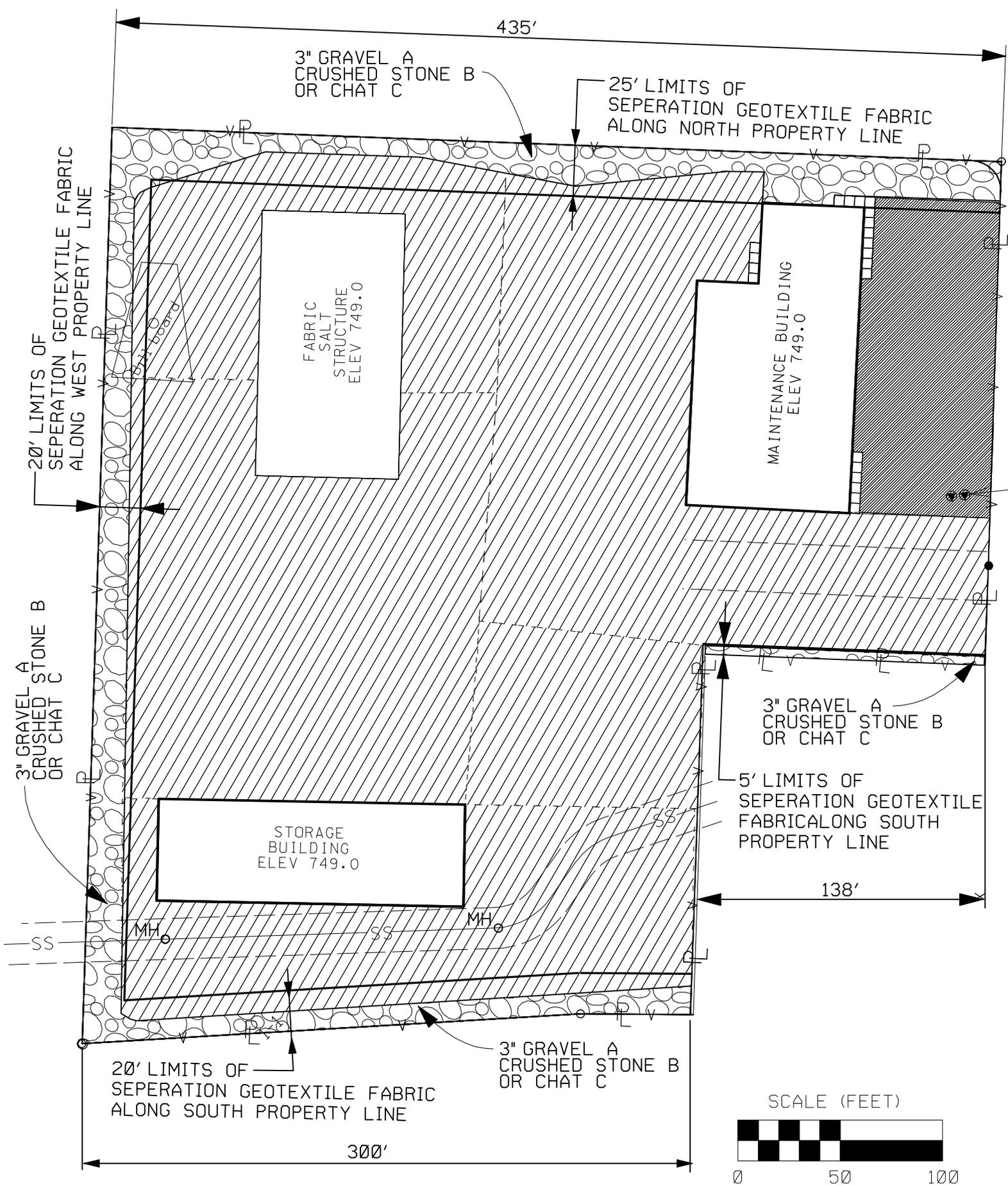
DATE	DESCRIPTION
3/26/09	ADD 40' N/O MULBERRY E

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

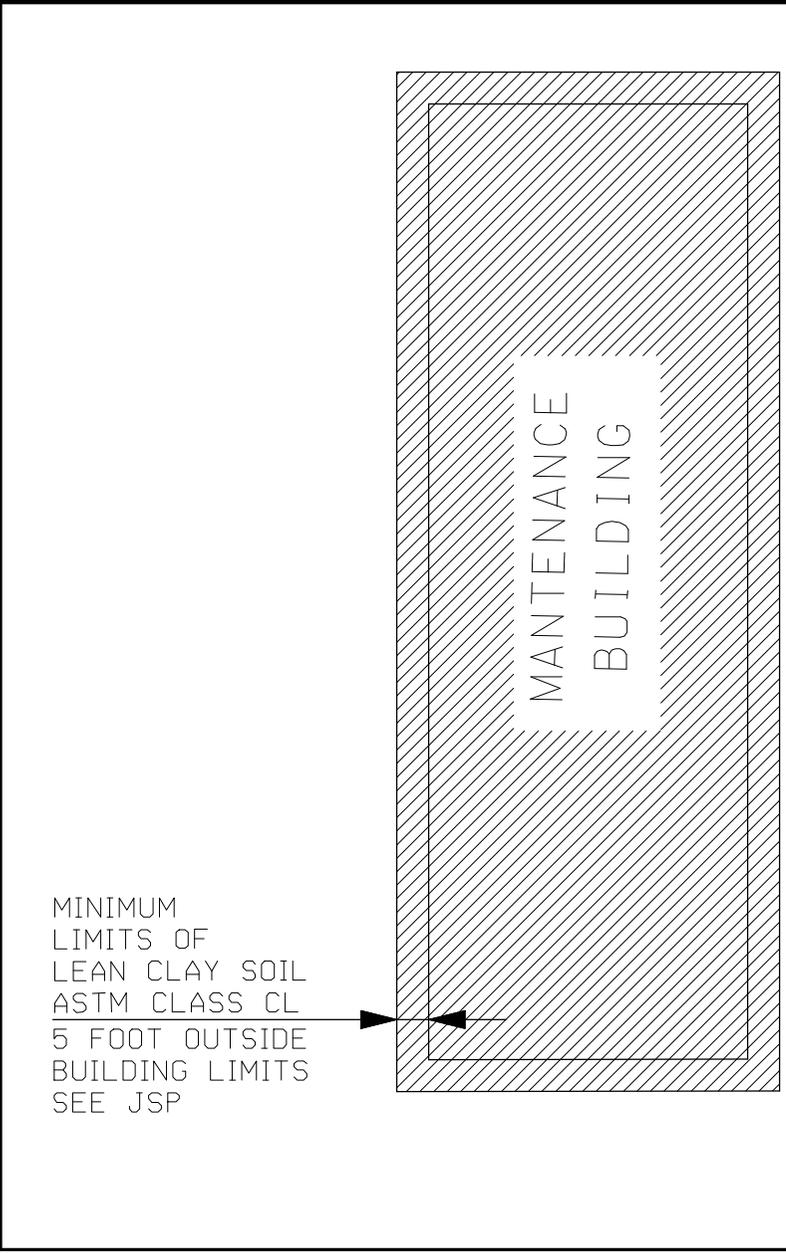
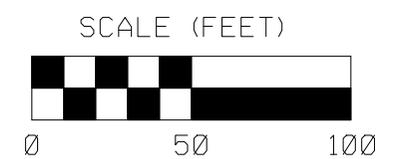
MDDOT

105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MDDOT (1-888-275-6636)

650 MULBERRY (A REPLACEMENT FOR THE 4TH AND CHERRY SITE) 3.6 ACRES (NET) (ALLOWING DEDUCTIONS FROM 700 MULBERRY BLDG, AND TRAIL ESM'T.)



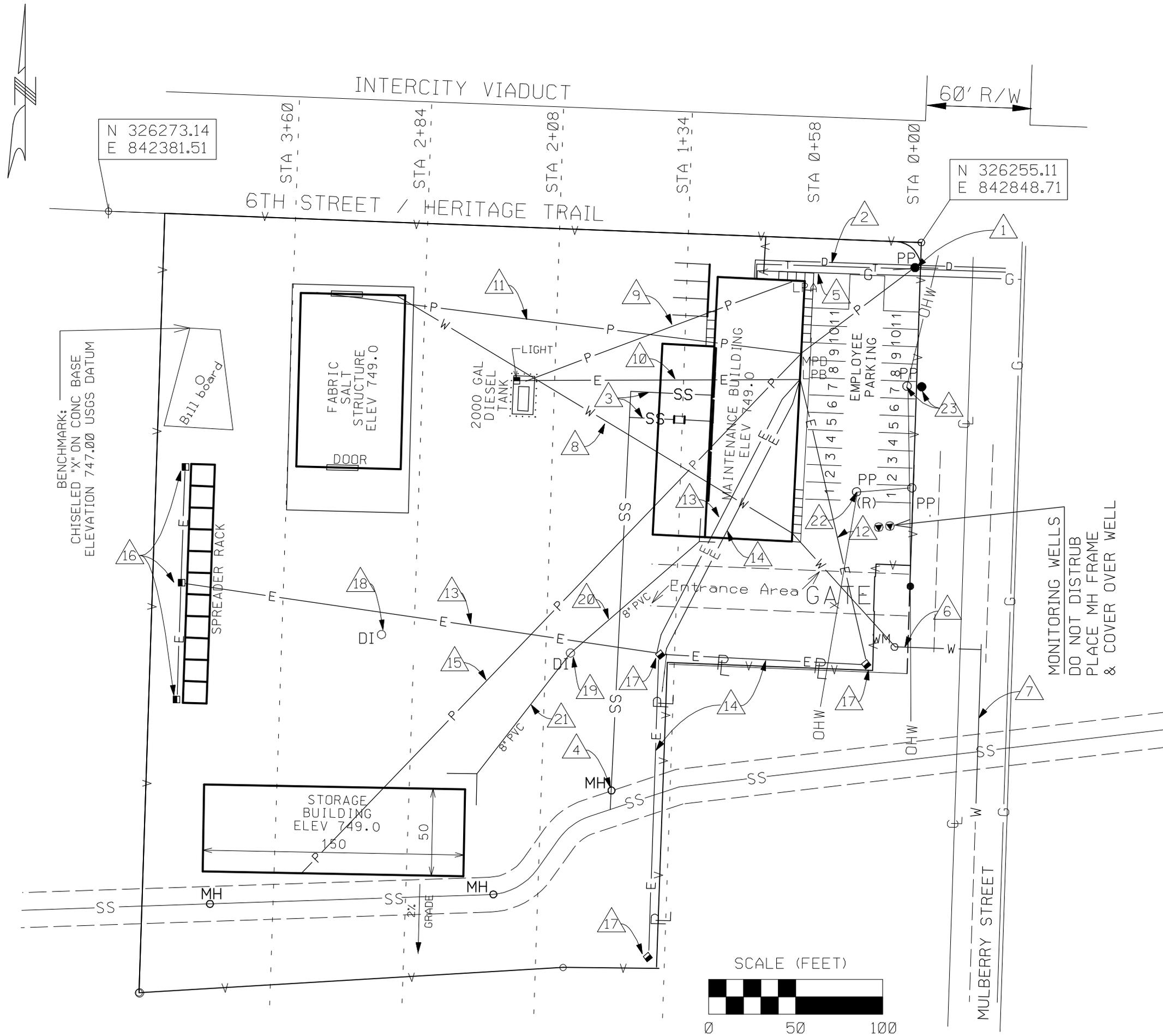
-  - PERIMETER PAVING  
3" GRAVEL A, CR ST B, CHAT C - 17,062 SQ FT
-  - EMPLOYEE PARKING LOT  
4" BP-1 OVER 4" AGGR BASE - 236.18 TONS
-  - MAINTENANCE LOT PARKING  
5.75" BP-1 OVER 4" AGGR BASE - 3819.99 TONS



MONITORING WELLS  
DO NOT DISTURB

MINIMUM  
LIMITS OF  
LEAN CLAY SOIL  
ASTM CLASS CL  
5 FOOT OUTSIDE  
BUILDING LIMITS  
SEE JSP

DATE PREPARED 08/27/2009	
ROUTE	STATE MO
DISTRICT	SHEET NO. 5
COUNTY JACKSON	
JOB NO. TJ414001	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DATE	DESCRIPTION
3/26/09	ADD 40' N/O 700 MULBERRY E
8/22/09	ADD LIMITS OF GRAVEL, ASPHALT
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
<b>650 MULBERRY</b> LIMITS OF GRAVEL, ASPHALT AND LEAN CLAY	



N 326273.14  
E 842381.51

N 326255.11  
E 842848.71

BENCHMARK:  
CHISELED "X" ON CONC BASE  
ELEVATION 747.00 USGS DATUM

INTERCITY VIADUCT  
STA 3+60 STA 2+84 STA 2+08 STA 1+34 STA 0+58 STA 0+00

6TH STREET / HERITAGE TRAIL

60' R/W

STORAGE BUILDING  
ELEV 749.0  
150 50

FABRIC SALT STRUCTURE  
ELEV 749.0  
DOOR

MAINTENANCE BUILDING  
ELEV 749.0

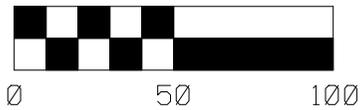
EMPLOYEE PARKING

2000 GAL DIESEL TANK

SPREADER RACK

MONITORING WELLS  
DO NOT DISTURB  
PLACE MH FRAME  
& COVER OVER WELL

SCALE (FEET)



- 1 INSTALL POWER POLE WITH #2 AWG GROUND
- 2 CONTRACTOR TO INSTALL 2 4" PVC CONDUITS FOR TELEPHONE / DATA CONNECTIONS TO 110 MECHANICAL ROOM. CAP 12 INCHES ABOVE FINISHED FLOOR BELOW TELECOM RACK
- 3 CONNECT 4" PVC SANITARY SEWER TO OIL / GREASE SEPERATOR
- 4 CONTRACTOR TO INSTALL SAN SWEWER MANHOLE, CONNECT TO 4" LINE FROM MAINT. BUILD. PROVIDE CONNECTION TO 66" BRICK SAN SEWER MAIN. SEE JOB SPECIAL PROVISIONS
- 5 INSTALL 2-INCH SERVICE LINE SEE JOB SPECIAL PROVISIONS
- 6 INSTALL 2-INCH SERVICE LINE AND WATER METER. SEE JOB SPECIAL PROVISIONS
- 7 EXTEND EXISTING 6-INCH WATER MAIN 100 FEET NORTH. SEE JOB SPECIAL PROVISIONS
- 8 CONTRACTOR TO PROVIDE 2-INCH LINE FROM MAINTENANCE BUILDING TO FABRIC SALT BUILDING. INCLUDE ALL CONNECTIONS AND FITTINGS NECESSARY TO COMPLETE THE CONNECTION. ANY WATER LINE LOCATED BELOW GRADE SHALL BE COPPER.
- 9 CONTRACTOR TO PROVIDE 3/4-INCH CONDUIT WITH WIRE FROM LPA / TRANSFER SWITCH TO DIESEL TANK. INCLUDE ALL CONNECTIONS AND FITTINGS NECESSARY TO COMPLETE THE CONNECTION.
- 10 CONTRACTOR TO PROVIDE 3/4-INCH CONDUIT AND WIRE FROM LPB TO LIGHT POLE. INCLUDE ALL CONNECTIONS AND FITTINGS NECESSARY TO COMPLETE THE CONNECTION.
- 11 CONTRACTOR TO PROVIDE 1-INCH CONDUIT (VERIFY SIZE?) AND WIRE FROM MDP TO FABRIC SALT BUILDING LPA INCLUDED ALL CONNECTIONS AND FITTINGS NECESSARY TO COMPLETE THE CONNECTION.
- 12 CONTRACTOR TO PROVIDE 1-INCH CONDUIT (VERIFY SIZE?) WITH PULL WIRE FROM LPB TO JUNCTION BOX LOCATED AT BASE OF LIGHT. THIS IS FOR FUTURE GATE OPENER, INCLUDED ALL CONNECTIONS AND FITTINGS NECESSARY TO COMPLETE THE CONNECTION.
- 13 CONTRACTOR TO PROVIDE 1-INCH CONDUIT WITH WIRE FROM LPB TO LIGHTS LOCATED AT SPREADER RACK. INCLUDED ALL CONNECTIONS, BREAKERS AND FITTINGS NECESSARY TO COMPLETE THE CONNECTION.
- 14 CONTRACTOR TO PROVIDE 1-INCH CONDUIT WITH WIRE FROM LPB TO LIGHTS LOCATED ALONG SOUTH PROPERTY LINE. INCLUDED ALL CONNECTIONS, BREAKERS AND FITTINGS NECESSARY TO COMPLETE THE CONNECTION.
- 15 CONTRACTOR TO PROVIDE 1-INCH CONDUIT (VERIFY SIZE?) WITH WIRE FROM MPD TO STORAGE BUILDING LPA. INCLUDED ALL CONNECTIONS AND FITTINGS NECESSARY TO COMPLETE THE CONNECTION.
- 16 MODOT TO FURNISH 3 WOOD POLES. CONTRACTOR TO PROVIDE 3 HPS LIGHTS AND 3 6-FOOT BRACKET ARMS.
- 17 MODOT TO FURNISH 3 WOOD POLES. CONTRACTOR TO PROVIDE 3 HPS LIGHTS AND 3 6-FOOT BRACKET ARMS.
- 18 ADJUST EXISTING DROP INLET. SEE DETAILS LOCATED ELSEWHERE IN THE PLANS.
- 19 ADJUST EXISTING DROP INLET. SEE DETAILS LOCATED ELSEWHERE IN THE PLANS.
- 20 CONTRACTOR TO PROVIDE 8-INCH PVC TO CONNECT BUILDING DOWNSPOUT DRAIN TO DROP INLET #19. INCLUDE ALL CONNECTIONS AND FITTINGS NECESSARY TO COMPLETE THIS WORK
- 21 CONTRACTOR TO PROVIDE 8-INCH PVC TO CONNECT BUILDING DOWNSPOUT DRAIN TO DROP INLET #19. INCLUDE ALL CONNECTIONS AND FITTINGS NECESSARY TO COMPLETE THIS WORK
- 22 REMOVE POWER POLE. RELOCATE TRANSFORMER TO EXISTING POWER POLE LOCATED EASTERLY OF THIS ONE. RE-ESTABLISH CONNECTION TO 700 MULBERRY BUILDING. INCLUDE ALL CONNECTIONS AND FITTINGS NECESSARY TO COMPLETE THIS WORK
- 23 ERECT NEW POWER POLE EAST OF EXISTING POWER POLE. RELOCATE OHW TO NEW POLE. REMOVE EXISTING POWER POLE. INCLUDE ALL CONNECTIONS AND FITTINGS NECESSARY TO COMPLETE THIS WORK

DATE PREPARED 08/27/2009	
ROUTE	STATE MO
DISTRICT 4	SHEET NO. 6
COUNTY JACKSON	
JOB NO. TJ414001	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION NEW SHEET	
DATE 8/22/09	

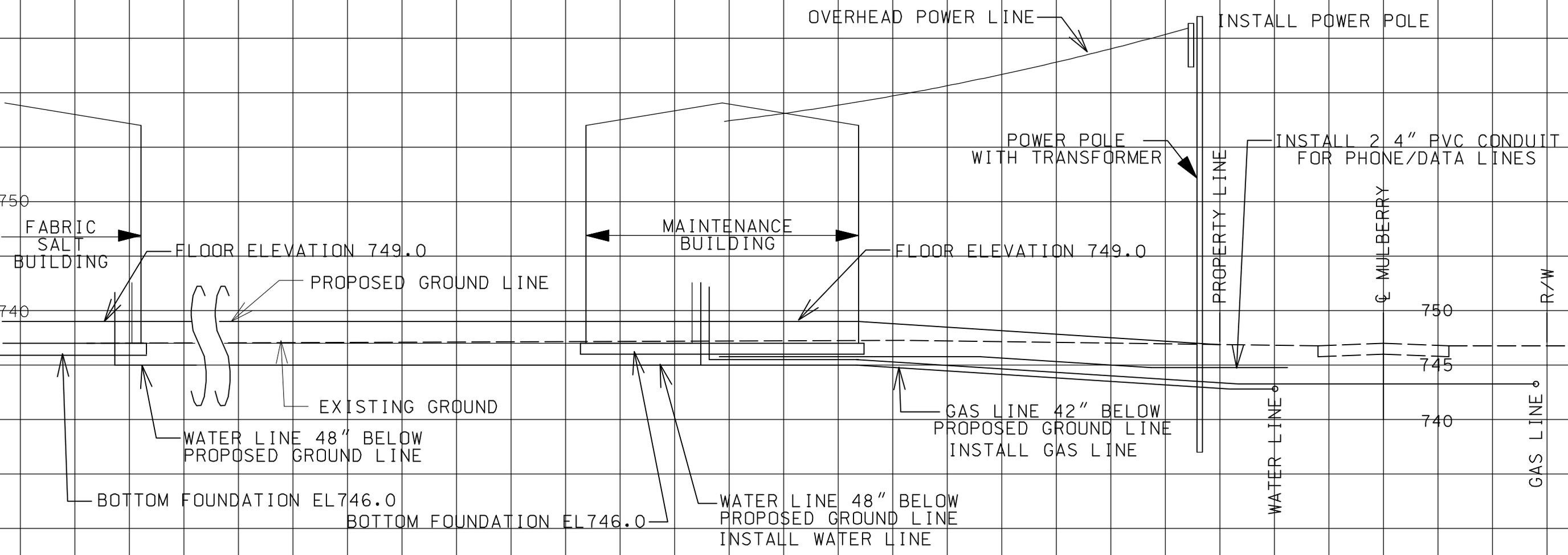
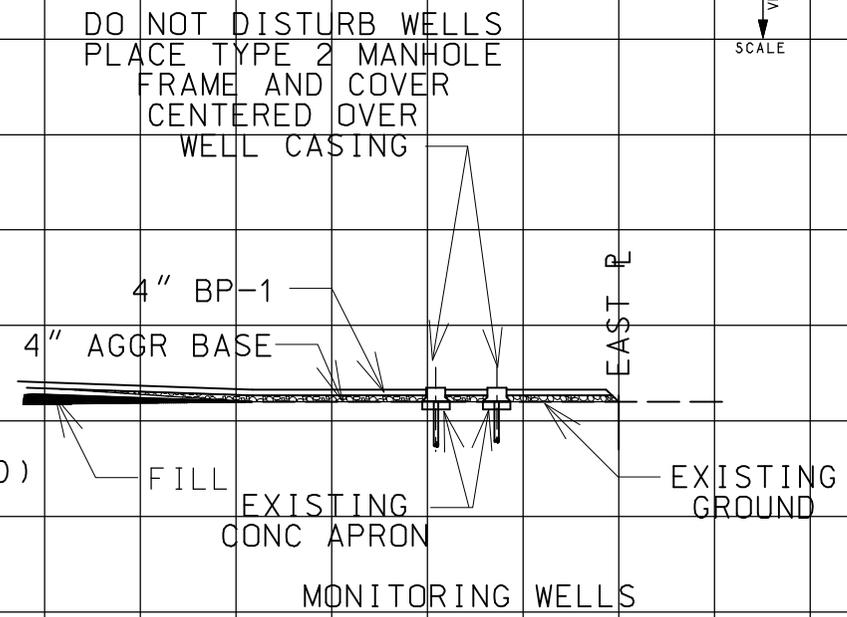
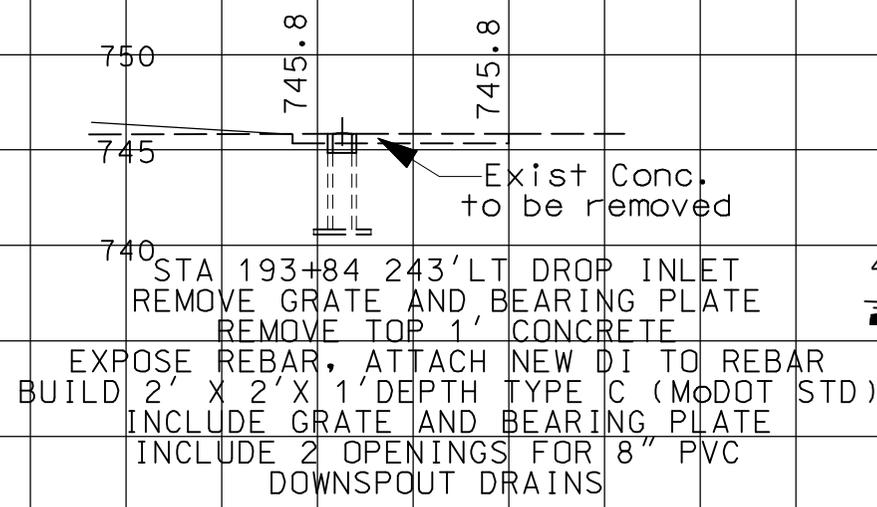
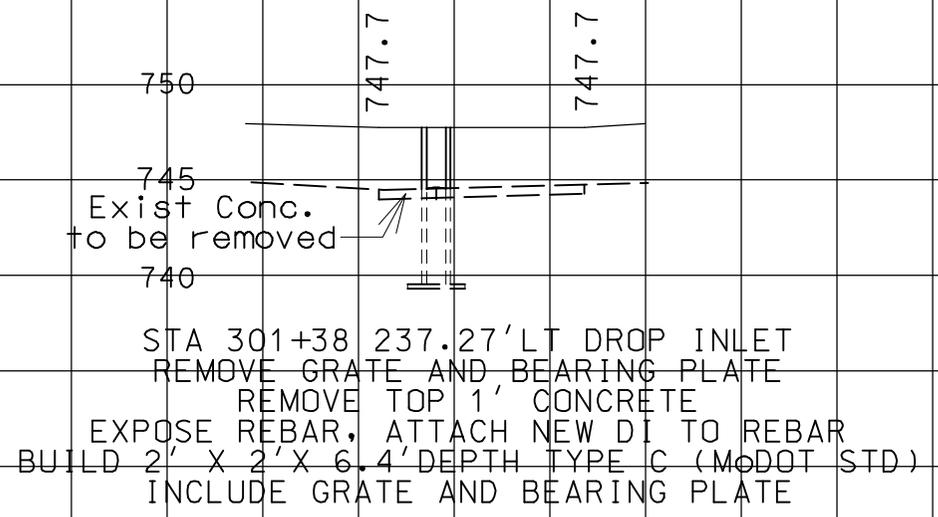
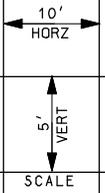
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

650 MULBERRY  
UTILITY WORK







DATE	
DATE PREPARED	08/27/2009
ROUTE	STATE
4	MO
DISTRICT	SHEET NO.
4	3
COUNTY	JACKSON
JOB NO.	TJ414001
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION
8/23/09	CHANGED NOTES, ASPHALT TYPE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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650 MULBERRY

