

**GENERAL NOTES**

- UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE LOCATED PRIOR TO ANY GRADING OR CONSTRUCTION OF THE IMPROVEMENTS.  
MISSOURI ONE CALL: 1-800-DIG-RITE (1-800-344-7483)  
CITY OF O'FALLON: (636) 240-2000  
MODOT: (314) 340-4100
- NO AREA SHALL BE CLEARED WITHOUT THE PERMISSION OF THE PROJECT ENGINEER.
- THE CITY OF O'FALLON SHALL BE NOTIFIED 48 HOURS PRIOR TO CONSTRUCTION FOR COORDINATION AND INSPECTION.
- ALL EXISTING SITE IMPROVEMENTS DISTURBED, DAMAGED OR DESTROYED SHALL BE REPAIRED OR REPLACED TO CLOSELY MATCH PRE-CONSTRUCTION CONDITIONS.
- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OUTLINED IN THE "INFORMATION FOR BIDDERS AND SPECIFICATIONS".
- ALL DIMENSIONS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
- ALL UTILITIES ARE EXISTING UNLESS OTHERWISE NOTED. ALL NEW UTILITIES SHALL BE LOCATED UNDERGROUND.
- ALL CONSTRUCTION METHODS AND PRACTICES SHALL CONFORM WITH OSHA STANDARDS.
- CONTRACTOR SHALL MAINTAIN VEHICULAR ACCESS AT ALL TIMES AND SHALL PROVIDE FLAGMAN DURING CONSTRUCTION AS REQUIRED.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN EROSION CONTROL MEASURES AS REQUIRED BY THE ENGINEER. EROSION CONTROL SHALL CONSIST OF BUT NOT LIMITED TO STRAKE STRAW BALES AND EROSION CONTROL FENCING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL DURING CONSTRUCTION AS APPROVED BY ENGINEER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ROADWAY MAINTENANCE DURING CONSTRUCTION.
- ALL VEGETATED AREAS DISTURBED DURING CONSTRUCTION SHALL BE SODED.
- DESIGN CRITERIA: DESIGN SPEED: 25 MPH (PRACTICAL DESIGN) (EXCLUDING VERTICAL CURVE ADJACENT TO RAILROAD CROSSING).
- ACCORDING TO THE FLOOD INSURANCE RATE MAP FOR ST. CHARLES COUNTY, MISSOURI (MAP NUMBER 2916300240 E, DATED AUGUST 2, 1998) THIS PROJECT IS LOCATED IN ZONE 'X', WHICH IS DEFINED AS AREAS DETERMINED TO BE OUTSIDE 300-YEAR FLOODPLAIN.
- ALL JOINTS AND JOINT LOCATIONS SHALL BE PER MODOT DETAILS C502.05M.
- ALL STORM SEWER CONSTRUCTION SHALL BE PER MOST RECENT MSD STANDARDS.
- MAILBOX REMOVAL, RELOCATION, NEW SUPPORTS (IF REQUIRED) AND ANY REPLACEMENT OF MAILBOXES DAMAGED BY THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. "REMOVALS AND RELOCATIONS" PAY ITEM. NEW SUPPORTS SHALL MATCH AS CLOSE AS POSSIBLE THE EXISTING SUPPORTS. THE CONTRACTOR SHALL TEMPORARILY SET MAILBOXES WHERE THEY ARE ACCESSIBLE TO BOTH THE CARRIER AND THE PATRON DURING CONSTRUCTION. NEW MAILBOX LOCATIONS ARE SHOWN ON THE STRIPING, SIGNAGE & MAILBOX PLANS.
- ALL SIDEWALKS AND RAMPS SHALL BE CONSTRUCTED PER ADA REQUIREMENTS.
- ALL TRUNCATED DOMES AT NEW RAMP LOCATIONS MUST BE THE PRE-CAST STYLE. THE ADHERED-TYPE MAY BE USED IN RAISED ISLAND CUT-OUTS. NO CAST IN PLACE ARE ALLOWED.
- BRICK IS NOT ALLOWED IN THE CONSTRUCTION OF ANY INLETS.
- FOR PARCEL SPECIFIC AGREEMENTS SEE JOB SPECIAL PROVISIONS IN THE PROJECT SPECIFICATION BOOK.
- THE GENERAL REQUIREMENTS, PROVISIONS AND TECHNICAL SPECIFICATIONS GOVERNING THE COMPLETION OF THE WORK CONTEMPLATED SHALL BE THE "MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2011" TOGETHER WITH THE GENERAL AND JOB SPECIAL PROVISIONS AND OTHER STATE AND FEDERAL REQUIREMENTS CONTAINED IN THE CONTRACT DOCUMENTS. MSD SPECIFICATIONS SHALL BE USED TO GOVERN THE CONSTRUCTION OF STORM SEWER IMPROVEMENTS ON THIS PROJECT.

**STATEMENT OF STATE PLANE COORDINATES**

THE HORIZONTAL COORDINATES AND VERTICAL DATUM WERE ESTABLISHED BY GPS OBSERVATIONS AS FOLLOWS: THROUGH THE USE OF A CELL EQUIPPED TRIMBLE R6 GNSS ROVER AND A TRIMBLE TSC2 CONTROLLER USING THE MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION GLOBAL NAVIGATION SATELLITE REAL TIME NETWORK FOR CONTINUOUS OPERATING STATIONS (STATION SIDC WITH A PID OF D14182). THIS INFORMATION WAS ADOPTED AND CHECKED BY FIELD GPS OBSERVATION OF ONE (1) NAD83(2000) ADJUSTED POINT. FIELD OBSERVED CHECK STATION WAS AS FOLLOWS: F149 WITH A PID OF J00547.

THE SITE GRID AZIMUTH AND PROJECT GRID FACTOR WERE ADOPTED AS CALCULATED BY THE TRIMBLE SURVEY CONTROLLER SOFTWARE. THE MISSOURI EAST ZONE NAD83(2000) COORDINATES FOR THE CONTROL POINTS WERE CALCULATED TO THE BEST OF OUR KNOWLEDGE. THE CALCULATED STATE PLANE COORDINATES MEET THE ACCURACY STANDARDS OF THE CURRENT MISSOURI MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS (20 CSR 2030-16) AS AN URBAN CLASS SURVEY RELATIVE TO STATION F149.

PROJECT GRID FACTOR = 0.9999160.

STATE PLANE COORDINATES ARE IN METERS. THERE IS NO ROTATIONAL DIFFERENCE BETWEEN THE STATE PLANE AND THE LOCAL COORDINATE SYSTEMS.

**PREPARED FOR:**

**CITY OF O'FALLON, MO  
100 NORTH MAIN STREET  
O'FALLON, MO 63366  
636-240-2000**

**CALL BEFORE  
YOU DIG!  
1-800-DIG-RITE  
AND  
MoDOT  
(314) 340-4100**

\* FIBER OPTICS ARE PRESENT



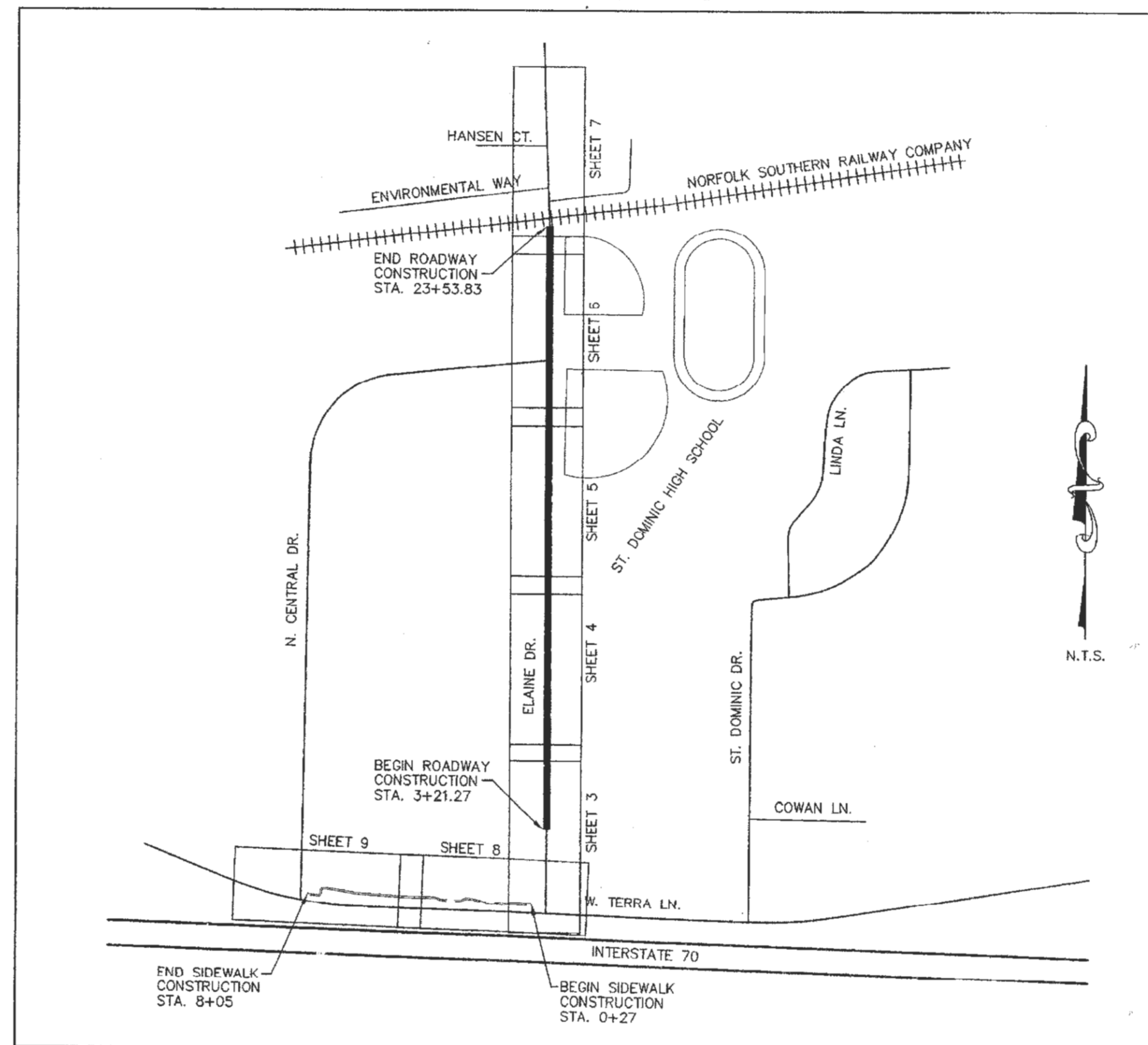
# ELAINE DRIVE IMPROVEMENTS CITY OF O'FALLON, MO

## BID SET

MAY 20, 2014

CLASSIFICATION: URBAN COLLECTOR

TIP # 5697B-13



LOCATION MAP

## INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SUMMARY SHEET & TYPICAL SECTIONS
3-9	PLAN & PROFILE
10	RETAINING WALL PROFILES & DETAILS
11-27	CROSS SECTIONS
28-31	STORM SEWER PROFILES
32	WATER MAIN PROFILE
33-34	WATER MAIN PLAN SHEET
35-38	WARPING DETAILS
39	CONSTRUCTION DETAILS
40-46	REFERENCE DETAILS
47-49	STRIPING, SIGNAGE & MAILBOX PLANS
50-53	SILTATION CONTROL PLANS
54-61	TRAFFIC CONTROL PLANS
62-65	RIGHT OF WAY PLANS

RECEIVED  
MAY 20 2014  
BUILDING DEPARTMENT

**LENGTH OF PROJECT**

ELAINE DRIVE	
BEGINNING OF PROJECT	STA: 3+21.27
END OF PROJECT	STA: 23+53.83
APPARENT LENGTH	2033 FEET
EQUATIONS AND EXCEPTIONS	0 FEET
WEST TERRA LANE	
BEGINNING OF PROJECT	STA: 0+27
END OF PROJECT	STA: 8+25
APPARENT LENGTH	798 FEET
EQUATIONS AND EXCEPTIONS	0 FEET
TOTAL CORRECTIONS AND EXCEPTIONS	
NET LENGTH OF PROJECT	0.54 MILES

**LEGEND**

SCI	SINGLE CURB INLET
DCI	DOUBLE CURB INLET
AI	AREA INLET
MH	MANHOLE
FE	FLARED END SECTION
EP	END PIPE
CP	CONCRETE PIPE
RCP	REINFORCED CONCRETE PIPE
CMP	CORRUGATED METAL PIPE
CPP	CORRUGATED PLASTIC PIPE
PVC	POLY VINYL CHLORIDE (PLASTIC)
CO	CLEAN OUT
TBR	TO BE REMOVED
TBR&R	TO BE REMOVED AND REPLACED
TBR&REL	TO BE REMOVED AND RELOCATED
UIP	USE IN PLACE
TCE	TEMPORARY CONSTRUCTION EASEMENT
PDE	PERMANENT DRAINAGE EASEMENT
---	SLOPE LIMITS
---	DRAINAGE SWALE
---	STORM SEWER

**RAILROAD NOTES**

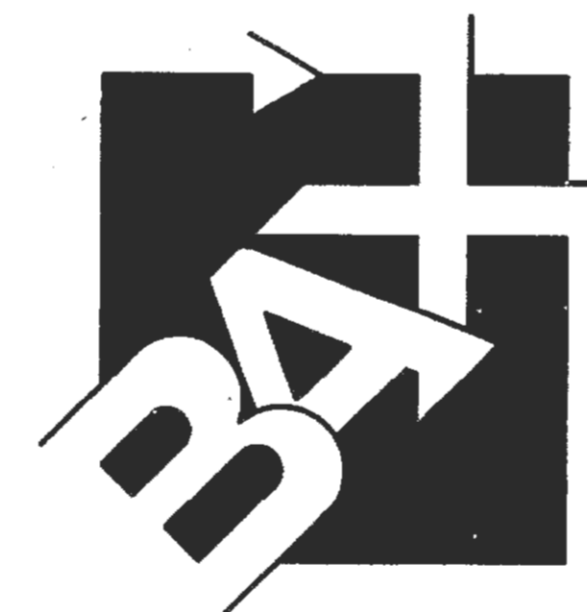
- THE CONTRACTOR SHALL NOT, FOR ANY REASON, STORE CONSTRUCTION EQUIPMENT UPON NOR STORE OR DUMP WASTE CONSTRUCTION MATERIALS UPON THE RAILROAD'S RIGHT-OF-WAY.
- THE CONTRACTOR SHALL CONDUCT HIS WORK SO AS TO PROTECT THE RAILROAD'S TRACK FACILITIES AND PROPERTY FROM DAMAGE. THE CONTRACTOR SHALL NOTIFY THE RAILROAD OF ANY WORK BY THE CONTRACTOR WITHIN 25 FEET OF THE RAILROAD'S RIGHT-OF-WAY FOR THE RAILROAD TO DETERMINE FLAGGING NEEDS, INSURANCE REQUIREMENTS.
- SEE NORFOLK SOUTHERN RAILWAY COMPANY SPECIAL PROVISIONS FOR FLAGGING AND INSURANCE REQUIREMENTS.
- THE CONTRACTOR SHALL COORDINATE HIS WORK ON OR ADJACENT TO RAILROAD RIGHT-OF-WAY WITH THE FOLLOWING REPRESENTATIVES OF THE RAILROAD:

Mr. Ben McElroy - Division Engineer Norfolk Southern Railway Company Illinois Division Office 1735 E. Condit Street Decatur, IL 62521 Phone: (217) 425-2063 E-MAIL: ben.mcelroy@nscorp.com	Mr. Daniel Parker, Engineer - Public Improvements Norfolk Southern Railway 1200 Peachtree Street, NE Atlanta, GA 30309 Phone: (404) 529-1256 E-MAIL: Daniel.parker@nscorp.com
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DISCLAIMER OF RESPONSIBILITY  
I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project or survey other than those authenticated by my seal.



**PREPARED BY:**



**ENGINEERING  
PLANNING  
SURVEYING**

221 Point West Blvd.  
St. Charles, MO 63301  
636-928-5552  
FAX 928-1718

**BENCHMARK:**

REFERENCE BENCHMARK #1 - F 149 - ELEVATION 542.80'  
BENCHMARK DISK SET IN TOP OF CONCRETE MONUMENT STAMPED "F 149 1935"  
LOCATED AT O'FALLON, ST. CHARLES COUNTY, ON THE WABASH RAILROAD, IN THE SOUTHWEST CORNER OF THE O'FALLON CITY HALL PROPERTY (FORMERLY ST. MARY INSTITUTE YARD), 40' EAST OF MAIN STREET (HIGHWAY M) AND 45' NORTH OF THE CENTERLINE OF MAIN RAILROAD TRACK.

REFERENCE BENCHMARK #2 - SC-54 - ELEVATION 558.07'  
ALUMINUM DISK STAMPED "SC-54 2000" SET IN A 12 INCH DIAMETER CONCRETE MONUMENT LOCATED ABOUT 3 MILES WEST OF O'FALLON MISSOURI ON THE SOUTH SIDE OF WEST TERRA LANE AT THE AMEREN UE SUBSTATION.

**SITE BENCHMARKS:**

SITE BENCHMARK #1 - ELEVATION 629.53  
SET IRON PIPE: 17.7± SOUTH OF STA. 0+00  
N. 1081339.5280, E. 756386.5910

SITE BENCHMARK #2 - ELEVATION 606.25  
CUT CROSS: STA. 8+38.2 (57.2' RT.)  
N. 1082194.6630, E. 756448.0640

SITE BENCHMARK #3 - ELEVATION 589.45  
SET PK NAIL IN R.R. TRACKS: STA. 23+57.8 (37.5' RT.)  
N. 1083717.7440, E. 756434.2390

6-27-13 REV. PER CITY COMMENTS  
7-17-13 REV. PER CITY COMMENTS  
9-24-13 REV. PER MODOT & CITY COMMENTS  
3-13-14 REV. PER MODOT & CITY COMMENTS  
5-20-14 REV. PER RAILROAD COMMENTS

**APPROVED FOR CONSTRUCTION**

CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

Scott O. Kolkmeier  
CIVIL ENGINEER  
MO 024744  
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BAX NO. 10-15142

SHEET 1 OF 65

ELAINE DRIVE IMPROVEMENTS