

**ADDENDUM NO. 1
TO
SALINE ROAD IMPROVEMENTS – PHASE 1
STP – 5403 (642)**

COUNTY OF JEFFERSON, MISSOURI

MARCH 2, 2015

This addendum forms a part of the bidding and contract documents and modifies the original bidding documents. Acknowledge receipt of this addendum in the space provided on this bid form. **FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION.**

Notice to all contractors: The designer elected to reference a few highway construction details to St. Louis County Standard Specifications. These specifications can be found at the following web address:

<http://www.stlouisco.com/PropertyandRoads/HighwayPublicationsManuals/StandardSpecificationsforHighwayConstruction>

PROJECT SPECIFICATIONS

STP - 5403 (642) COVER SHEET:

Remove cover sheet and replace with “signed” cover sheet, revised 2/17/15.

STP - 5403 (642) TABLE OF CONTENTS:

Remove page 3 and replace with new page 3, revised 3/2/15. Reason: added new pages 136a – 136d for JSP “T.” WATER MAIN ABANDONMENT.

STP - 5403 (642) BID FORM:

Remove page 19 and replace with new page 19, revised 3/2/15. Reason: deleted pay item 603-10.99 “Adjust Gas Service Valve to Grade” and replace with pay item 203-99.03 “Water Main Abandonment”.

STP - 5403 (642) AGREEMENT FORMS:

Remove page 31 and replace with new page 31, revised 3/2/15. Reason: deleted pay item 603-10.99 “Adjust Gas Service Valve to Grade” and replace with pay item 203-99.03 “Water Main Abandonment”.

STP - 5403 (642) JOB SPECIAL PROVISION – TABLE OF CONTENTS:

Remove page 110 and replace with new page 110, revised 3/2/15. Reason: added JSP “T.” WATER MAIN ABANDONMENT.

STP - 5403 (642) JOB SPECIAL PROVISION

Remove page 136 and replace with new pages 136a through 136d, dated 3/2/15. Reason: added JSP “T.” WATER MAIN ABANDONMENT.

CONSTRUCTION PLANS

STP - 5403 (642) QTY-01

Remove plan sheet 2 of 99 and replace with plan sheet 2 of 99, revised 3/2/15. Reason: removed pay item for “ADJUST GAS SERVICE VALVE TO GRADE” from Summary of Quantities, remove schedule for “381 SALINE RD. IMPROVEMENTS”., and added pay item and schedule for “WATER MAIN ABANDONMENT”

STP - 5403 (642) QTY-06

Remove plan sheet 7 of 99 and replace with plan sheet 7 of 99, revised 3/2/15. Reason: added notes to schedule to contact Laclede Gas regarding adjustment of gas service valves.

STP - 5403 (642) DET-01

Remove plan sheet 12 of 99 and replace with plan sheet 12 of 99, revised 3/2/15. Reason: added “... AND SPECIAL PROVISION” to Note #4.

STP - 5403 (642) PNP-06

Remove plan sheet 18 of 99 and replace with plan sheet 18 of 99, revised 2/21/15. Reason: removed TCE/ROW lines on Trost Parcel.

STP - 5403 (642) PNP-09

Remove plan sheet 21 of 99 and replace with plan sheet 21 of 99, revised 3/2/15. Reason: added note regarding sanitary force main crossing the road.

STP - 5403 (642) WAL-03

Remove plan sheet 37 of 99 and replace with plan sheet 37 of 99, revised 3/2/15. Reason: typo correction on elevation.

STP - 5403 (642) ERO-04

Remove plan sheet 41 of 99 and replace with plan sheet 41 of 99, revised 2/21/15. Reason: removed TCE/ROW lines on Trost Parcel.

STP - 5403 (642) TCP-01

Remove plan sheet 43 of 99 and replace with plan sheet 43 of 99, revised 3/2/15. Reason: revised GENERAL NOTES #1 and #4 to clarify directions.

STP - 5403 (642) SAN-01

Remove plan sheet 63 of 99 and replace with plan sheet 63 of 99, revised 2/21/15. Reason: removed TCE/ROW lines on Trost Parcel.

BIDDER'S FORMS

STP - 5403 (642) BIDDER'S FORMS:

Replace entire Bidder's Form with Bidder's Forms revised 3/2/15. Reason: revised pg 19 (deleted pay item 603-10.99 "Adjust Gas Service Valve to Grade" and replace with pay item 203-99.03 "Water Main Abandonment".)

END OF ADDENDUM NO. 1



PROJECT SPECIFICATIONS
FOR
SALINE ROAD IMPROVEMENTS
PHASE 1
STP-5403 (642)



County of Jefferson, Missouri
P.O. BOX 100
HILLSBORO, MO 63050
MARCH 10, 2015

REQUEST FOR BID

Bidder Name: _____

Bidder Address: _____

FOR CONSTRUCTING

Full depth pavement and drainage improvements on
Saline Road from Northwest Blvd to St. Louis County line
Jefferson County, Missouri

APPROVED FOR CONSTRUCTION

BY: _____

(County Engineer)

DATE: 2/17/15

Engineer Seal



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BID ITEMS:

<i>Roadway Items</i>					
Pay Item No.	Description	Unit	Quantity	Unit Cost	Amount
201-20.10	Clearing and Grubbing	LS	1		
202-20.10	Removal of Improvements	LS	1		
203-10.00	Class A Excavation	CY	14,145		
203-20.00	Class C Excavation (Rock Benching)	CY	549		
203-60.00	Compacting Embankment	CY	1,436		
206-30.00	Class 3 Excavation	CY	3,624		
206-31.00	Class 3 Excavation in Rock	CY	1,543		
207-99.09	Linear Grading, Special	LF	1,000		
304-05.04	Type 5 Aggregate for Base (4 in. Thick)	SY	19,287		
310-60.03	Gravel Type A or Chat (C)	SY	294		
405-10.00	Temporary Pavement, 6-Inch Thick Asphalt	SY	1,246		
401-12.09	Bituminous Pavement Mixture PG64-22, (BP-1)	TON	1,712		
401-30.00	Bituminous Pavement Mixture PG64-22, (Base)	TON	6,802		
407-10.05	Tack Coat	Gal	710		
408-10.10	Prime-Liquid Asphalt RC 70 or MC 30	Gal	4,920		
502-11.06	Concrete Pavement (6" Non-Reinforced)	SY	468		
603-10.30	Adjust Water Service Valve and Box to Grade	EA	18		
603-10.31	Adjust Water Meter	EA	13		
* 202-99.03	Water Main Abandonment	LF	3,450		
604-05.08	8" Yard Inline Drain	EA	2		
604-12.01	Single Curb Inlet, Untrapped	EA	6		
604-14.04	Area Inlet, Single, Open 4 Sides, Untrapped	EA	1		
604-20.00	Remove and Replace Hydrant	EA	2		
604-20.10	Adjusting Manhole to Grade	EA	1		

*REVISED 3/2/15

ARTICLE 4. CONTRACT PRICE

4.1 Owner shall pay Contractor for performance of the work in accordance with the contract documents in current funds.

BID ITEMS:

<i>Roadway Items</i>					
Pay Item No.	Description	Unit	Quantity	Unit Cost	Amount
201-20.10	Clearing and Grubbing	LS	1		
202-20.10	Removal of Improvements	LS	1		
203-10.00	Class A Excavation	CY	14,145		
203-20.00	Class C Excavation (Rock Benching)	CY	549		
203-60.00	Compacting Embankment	CY	1,436		
206-30.00	Class 3 Excavation	CY	3,624		
206-31.00	Class 3 Excavation in Rock	CY	1,543		
207-99.09	Linear Grading, Special	LF	1,000		
304-05.04	Type 5 Aggregate for Base (4 in. Thick)	SY	19,287		
310-60.03	Gravel Type A or Chat (C)	SY	294		
405-10.00	Temporary Pavement, 6-Inch Thick Asphalt	SY	1,246		
401-12.09	Bituminous Pavement Mixture PG64-22, (BP-1)	TON	1,712		
401-30.00	Bituminous Pavement Mixture PG64-22, (Base)	TON	6,802		
407-10.05	Tack Coat	Gal	710		
408-10.10	Prime-Liquid Asphalt RC 70 or MC 30	Gal	4,920		
502-11.06	Concrete Pavement (6" Non-Reinforced)	SY	468		
603-10.30	Adjust Water Service Valve and Box to Grade	EA	18		
603-10.31	Adjust Water Meter	EA	13		
* 202-99.03	Water Main Abandonment	LF	3,450		
604-05.08	8" Yard Inline Drain	EA	2		

*REVISED 3/2/15

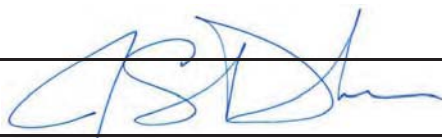
JOB SPECIAL PROVISIONS – TABLE OF CONTENTS

(Job Special Provisions shall prevail over Specification and/or General Provisions whenever in conflict therewith)

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N. SLOTTED VANE DRAIN	11
O. 8" YARD INLINE DRAIN	12
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R. LINEAR GRADING, SPECIAL	25
S. REMOVE AND REPLACE VINYL AND WOOD PRIVACY FENCES	26
*T. WATER MAIN ABANDONMENT	NA

ENGINEER OF RECORD CERTIFICATION

	The professional whose signature and personal seal appears hereon assumes responsibility only for the JOB SPECIAL PROVISIONS attached herewith and disclaims (pursuit to Section 327.411 RSMO) any responsibility for all other calculations, drawings, specifications, estimates, reports, surveys or other documents or instruments or revisions thereof not sealed by the undersigned professional relating to, or intended to, be used for any part or parts of the project to which this report refers. ENGINEERING CORPORATION CERTIFICATION Howard R. Green Company (HR Green, Inc.) is a licensed Missouri Professional Engineering Corporation. Certificate of Authority No. 2002006608. Missouri Professional Engineer License No. 2004017159 My renewal date is December 31, 2014
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 Jason S. Dohrmann, P.E.

December 3, 2014

Date:

T. WATER MAIN ABANDONMENT

PART 1 - GENERAL

The following specification is intended for use for the removal, disposal, alteration, modification or abandonment of existing water main.

1.1 SCOPE

1.1.1 General

- a. This specification provides the requirements for the removal, disposal, alteration, modification or abandonment of existing water main where required by the contracts documents. The terminology "Abandonment" shall be used in this specification to describe the fore mentioned conditions. This specification covers the abandonment of the existing water main lying within the proposed limits of the 4" Type 5 Aggregate Base Course of the mainline pavement, or is in conflict with other improvements. Abandonment shall consist of providing and installing a cement grout into the existing sections of water main that will be allowed to stay in place, or complete removal and proper disposal of sections of water main that are in conflict with other improvements. The existing water main varies in pipe diameter size from 4" to 8" throughout the project.
- b. Asbestos-Cement Pipe special requirements: Removal, disposal, alteration, modification or abandonment of existing asbestos-cement pipe shall meet the requirements of the most current publication entitled "AWWA Work Practices for Asbestos-Cement Pipe" or subsequent revisions and in accordance with the requirements provided in the current standard entitled "OSHA Asbestos Construction Standards" or subsequent revisions for the removal, disposal, or abandonment of all asbestos-cement pipes as shown on the plans and/or encountered in the field during construction and any other applicable federal, state or local regulation.

1.2 WORK INCLUDED

The Contractor shall, unless specified otherwise, furnish all labor, materials, equipment, tools, and all other associated appurtenances necessary to do the work required under the contract, including removal, disposal, alteration, modification or abandonment of pipe, spill/emergency clean-up, transportation, temporary storage, containment and housekeeping activities on the site where construction activities are performed.

1.3 LOCATION OF THE WORK

The location of this work is from Station 24+86 to the end of the project Station 59+36 and/or encountered in the field during construction. The location

of the existing water main from the beginning of the project, Station 13+17 to Station 24+86 is considered to be outside the area of concern.

1.4 COORDINATION OF THE WORK

The Contractor shall be responsible for the satisfactory coordination of the pipe removal, disposal, alteration, modification or abandonment of pipe with other construction and activities in the area. Delays in work resulting from lack of such harmony shall not in any way be a cause for extra compensation by any of the parties.

1.5 METHOD OF MEASUREMENT AND PAYMENT

The work shall be measured and the compensation determined in the following manner:

1.5.1 Water Main Abandonment

Water main abandonment shall be paid for at the contract bid price per linear foot, irrespective of the size, depth, or type of material of the water main, and the type of abandonment construction used.

If total removal of water main is utilized, it shall include the cost of removing and disposing all pipe material, pipe bend sections, jointing material, restraints, stainless steel stiffeners and all other appurtenances. If grouting of the water main is utilized, it shall include the cost of removal of the content within the pipe, cleaning, grouting, plugging, capping, and abandoning all pipe, pipe bend sections, and all other appurtenances. In either case this work shall also include any necessary dewatering, trenching, sheeting, excavating and backfilling, restoring the surface equal to or better than the original condition to the satisfaction of the Engineer, necessary permits, and all material or work necessary to properly abandon the pipe as specified in the Contract Documents and/or as directed by the Engineer.

Any water main abandoned, but not grouted (Station 13+17 to 24+86), will not be paid for. Plugging of the ends of this pipe at station 24+86 shall be considered incidental to the project and no direct payment will be made.

1.5.2 Pipe Alteration, Modification

All type of pipe alteration and/or pipe modification, including asbestos-cement pipe, irrespective of the size or depth of the main, shall be considered incidental to the project and no direct payment will be made.

1.5.3 Miscellaneous

All other items required for the completion of the project and not included as a specific bid item shall be considered incidental to the project and no direct

compensation will be made therefore.

1.6 REFERENCED STANDARDS (Latest Revisions)

AWWA Work Practices for Asbestos-Cement Pipe OSHA 1926.1101 and 1910.1001
Federal, State, and Local regulations

PART 2 - PRODUCTS

2.1 SUBMITTALS

2.1.1 Grout Mix

The cement grout shall meet the requirements for Grout in Section 1066 MORTARS AND GROUT of the Missouri Standard Specifications for Highway Construction.

PART 3 - EXECUTION

3.1 GENERAL

- a. Any work involving asbestos cement pipe shall be completed in accordance with all the latest applicable federal, state and local requirements and regulations as well as the applicable AWWA standards.
- b. Existing water main shall be removed when so designated on the plans or directed by the Engineer. When existing pipe is encountered which is not shown on the plans, it shall not be removed until the Engineer has been notified of its presence and has directed its removal.
- c. Where traffic is to be maintained, the removal of water main shall be done in sections so that half the width of the roadway will be available to traffic.
- d. Existing water main shall be removed in such a manner that any nearby facilities will not be damaged.
- e. The area disturbed by the removal of an existing pipe shall be backfilled in accordance with the sections of these specifications applicable to the adjacent construction.
- f. Removed pipe shall become the property of the Contractor unless otherwise indicated by the special provisions.
- g. Disposal of Debris: All material not salvaged by the Contractor shall be

considered debris and disposed of by hauling to an approved disposal site. The Contractor shall be responsible for legally disposing of all debris and associated costs.

- h. The Engineer shall be notified of the permitted disposal site and shall be provided verification that the material that has been accepted at the permitted disposal site.

3.2 ABANDONMENT

3.2.1 Abandonment by Capping-Plugging

Abandoned water mains shall be plugged at locations where the water main will remain in place, but not grouted. All plugs shall be appropriately sized and shall conform as applicable to other sections of these specifications. In the event that a specific abandonment method is not called out on the plans, abandonment shall be by capping-plugging.

3.2.2 Abandonment by Grout Filling

When called for on the Contract Drawings, the abandoned main shall be grout filled by pumping a grout mixture into the main with an approved mix. The main shall be completely filled, leaving no voids or air spaces. Grout mix shall be as specified in this specification. In the event that a specific abandonment method is not called out on the plans, abandonment shall be by capping-plugging.

END OF SECTION



SUMMARY OF QUANTITIES - STP-5403(642)			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
ROADWAY ITEMS			
201-20.10	CLEARING AND GRUBBING	L.S.	1
202-20.10	REMOVAL OF IMPROVEMENTS	L.S.	1
203-10.00	CLASS A EXCAVATION	C.Y.	14,145
203-20.00	CLASS C EXCAVATION (ROCK BENCHING)	C.Y.	549
203-60.00	COMPACTING EMBANKMENT	C.Y.	1,436
206-30.00	CLASS 3 EXCAVATION	C.Y.	3,623
206-31.00	CLASS 3 EXCAVATION IN ROCK	C.Y.	1,543
207-99.09	LINEAR GRADING, SPECIAL	L.F.	1,000
304-05.04	TYPE 5 AGGREGATE FOR BASE (4" THICK)	S.Y.	19,287
310-60.03	GRAVEL (A) OR CHAT (C)	S.Y.	294
405-10.10**	TEMPORARY PAVEMENT, 6-INCH THICK ASPHALT	S.Y.	1,246
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1)	TON	1,712.2
401-30.00	BITUMINOUS PAVEMENT MIXTURE PG64-22 (BASE)	TON	6,802.3
407-10.05	TACK COAT	GAL.	710
408-10.10	PRIME LIQUID ASPHALT RC 70 OR MC 30	GAL.	4,920
602-17.06	CONCRETE PAVEMENT (6" NON-REINFORCED)	S.Y.	468
603-10.30*	ADJUST WATER SERVICE VALVE AND BOX TO GRADE	EACH	18
603-10.31**	ADJUST WATER METER	EACH	13
604-05.08*	8" VERTICAL DRAIN	EACH	2
604-12.01*	SINGLE CURB INLET, UNTRAPPED	EACH	6
604-14.04*	AREA INLET, SINGLE, OPEN 4 SIDES, UNTRAPPED	EACH	1
604-20.00**	REMOVE AND REPLACE HYDRANT	EACH	2
604-20.10	ADJUSTING MANHOLE TO GRADE	EACH	1
604-20.11**	MISCELLANEOUS (PULLBOXES, OTHER)	EACH	5
604-80.06*	SLOTTED DRAIN (6")	L.F.	90
606-10.10	GUARDRAIL TYPE A	L.F.	572
606-30.15	TYPE A CRASHWORTHY END TERMINAL	EACH	1
606-66.10	END ANCHOR	EACH	1
607-10.10A	42" CHAIN LINK FENCE	L.F.	276
607-10.10B	6" WOOD PRIVACY FENCE	L.F.	495
607-10.10C	48" WHITE VINYL PRIVACY FENCE	L.F.	72
607-10.30	WALK GATE (CHAIN LINK)	EACH	1
607-10.50	CHAIN LINK FENCE ON RETAINING WALL	L.F.	82
608-50.06**	PAVED APPROACH (6")	S.Y.	1,105.3
608-60.04	CONCRETE SIDEWALK, 4 IN.	S.Y.	17.6
608-70.00	CONCRETE STEPS	S.F.	190.0
609-10.10	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S	L.F.	61
609-10.52	CURB AND GUTTER TYPE B	L.F.	8,710
609-20.12	INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE B	L.F.	32
609-20.13	INTEGRAL CURB TYPE M	L.F.	47
609-20.32	CONCRETE CURB LOW PROFILE TYPE F	L.F.	76
609-30.15	ASPHALT CURB (4 INCH)	L.F.	75
611-99.05	ROCK BLANKET TYPE 2	S.Y.	92.3
618-10.00	MOBILIZATION	L.S.	1
622-10.01	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3 IN. THICK OR LESS)	S.Y.	233
627-40.00	CONTRACTOR FURNISHED SURVEYING AND STAKING	L.S.	1
712-35.00	RAILING FOR STEPS	L.F.	30
720-10.00	MECHANICALLY STABILIZED EARTH WALL SYSTEMS	S.F.	1,483
720-99.04	MECHANICALLY STABILIZED EARTH WALL SYSTEMS - LARGE BLOCK	S.F.	2,282
726-10.12	12 IN. PIPE GROUP A	L.F.	232
726-10.15	15 IN. PIPE GROUP A	L.F.	2,668
726-10.18	18 IN. PIPE GROUP A	L.F.	636
726-10.24	24 IN. PIPE GROUP A	L.F.	530
726-10.36	36 IN. PIPE GROUP A	L.F.	16
726-11.15**	TEMPORARY 15" CORRUGATED METAL PIPE	L.F.	135
726-54.04*	4" POLYVINYL CHLORIDE PIPE	L.F.	65
726-54.08*	8" POLYVINYL CHLORIDE PIPE	L.F.	144
731-00.42*	PRECAST CONCRETE MANHOLE (42")	EACH	3
731-10.42	PRECAST CONCRETE DROP INLET 4 FT X 2 FT	FT.	5
731-99.02**	PRECAST DROP INLET WITH GRATE AND FRAME	EACH	52
732-06.15A	15 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION	EACH	3
732-06.24A	24 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION	EACH	3
806-10.19	SILT FENCE	L.F.	4,060
806-10.25	INLET CHECK	EACH	58
806-41.24	TYPE 5 EROSION CONTROL BLANKET	S.Y.	1,142
202-99.03	WATER MAIN ABANDONMENT	L.F.	3,450
SIGNING, STRIPING, SIGNALS AND LIGHTING ITEMS			
616-10.05	CONSTRUCTION SIGNS	S.F.	612
616-10.28	CHANNELIZER	EACH	207
616-10.31	TYPE III MOVEABLE BARRICADE WITH LIGHT	EACH	13
616-10.98	CHANGEABLE MESSAGE SIGN, CONTRACTOR FURNISHED (RENTAL)	EACH	4
617-36.00D	TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED	L.F.	392
620-60.00B	4 IN. WHITE ACRYLIC WATERBORNE PAVEMENT MARKING PAINT	L.F.	15,531
620-60.01B	4 IN. YELLOW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT	L.F.	15,716
620-61.24	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., WHITE	L.F.	12
903-50.10**	PERMANENT SIGNING	S.F.	323
LANDSCAPING			
804-10.00	TOPSOIL	C.Y.	1089.3
805-10.00A	SEEDING-COOL SEASON MIXTURES	ACRE	2.0

ALL BID ITEMS REFER TO LATEST EDITION OF MISSOURI STANDARDS FOR HIGHWAY CONSTRUCTION, BY MODOT
* = REFER TO LATEST EDITION OF ST. LOUIS COUNTY STANDARDS FOR HIGHWAY CONSTRUCTION
** = JOB SPECIAL PROVISIONS, AS ATTACHED IN THE PROJECT MANUAL

CONSTRUCTION SIGNS ARE FOR USE IN TRAFFIC CONTROL AND ARE TEMPORARY. RELOCATION OF THE SIGNS DURING VARIOUS STAGES OF CONSTRUCTION IS CONSIDERED INCIDENTAL TO QUANTITY OF CONSTRUCTION SIGNAGE.

BID FOR PIPE INCLUDES EXCAVATION AND GRANULAR BACKFILL AS REQUIRED IN THE SPECIFICATIONS

STANDARDS TO BE USED FOR THIS PROJECT					
The Missouri Department of Transportation's Standard Specifications for Highway Construction have been adopted for use on this project. Current editions of these plans can be downloaded from MoDOT's website at www.modot.org . The following sections are specifically applicable to this project:					
604.40	606.00	606.30	607.10	607.11	608.10
608.20	609.00	609.70	614.11	614.30	616.10
620.00	726.30	731.00	731.10	732.00	806.10
903.03					

ENTRANCE PAVEMENT REMOVAL						
SHEET	STATION	STATION	ROUTE	LOCATION	PAVEMENT AREA A (SF)	PAVEMENT AREA A (SY)
PLN-01	13+79	14+12	SALINE	RT	238	26
PLN-01	14+13	14+50	SALINE	RT	377	42
PLN-02	18+99	19+69	SALINE	LT	1362	151
PLN-03	22+37	22+59	SALINE	RT	153	17
PLN-04	25+67	25+88	SALINE	RT	228	25
PLN-04	26+22	27+05	SALINE	LT	1727	192
PLN-04	26+77	26+95	SALINE	RT	61	7
PLN-04	27+83	28+37	SALINE	RT	1099	122
PLN-05	31+23	32+89	SALINE	RT	3077	342
PLN-06	36+11	37+04	SALINE	LT	1915	213
PLN-06	40+62	41+14	SALINE	LT	1660	184
PLN-06	40+69	40+92	SALINE	RT	775	86
PLN-06	40+97	41+64	SALINE	RT	3067	341
PLN-07	42+01	42+94	SALINE	LT	2680	298
PLN-07	43+24	43+62	SALINE	RT	270	30
PLN-07	43+50	43+78	SALINE	LT	388	43
PLN-07	44+53	45+67	SALINE	RT	1707	190
PLN-07	44+59	46+21	SALINE	LT	2276	253
PLN-07	46+40	46+61	SALINE	LT	226	25
PLN-08	47+64	48+55	SALINE	RT	1700	189
PLN-08	47+93	48+23	SALINE	LT	210	23
PLN-08	48+89	49+26	SALINE	RT	551	61
PLN-08	49+49	49+66	SALINE	RT	146	16
PLN-08	49+81	50+01	SALINE	LT	159	18
PLN-09	53+35	53+60	SALINE	LT	487	54
PLN-09	55+22	55+99	SALINE	LT	770	86
PLN-09	55+43	55+98	SALINE	RT	1210	134
PLN-09	56+72	57+09	SALINE	LT	575	64
PLN-09	57+43	57+77	SALINE	RT	495	55
PLN-09	57+77	58+13	SALINE	RT	783	86
PLN-10	58+52	59+37	SALINE	RT	1452	161
TOTAL =						3571

CLEARING AND GRUBBING						
SHEET	STATION	STATION	ROUTE	LOCATION	CLEARING & GRUBBING (SF)	CLEARING & GRUBBING (ACRE)
PNP-02	14+88	15+15	SALINE	LT	319	0.01
PNP-02	15+92	16+50	SALINE	RT	439	0.02
PNP-02	19+16	19+46	SALINE	RT	94	0.01
PNP-03	22+12	22+36	SALINE	RT	159	0.01
PNP-04	27+38	27+61	SALINE	LT	91	0.01
PNP-04	29+56	30+19	SALINE	LT	211	0.01
PNP-05	31+31	32+57	SALINE	RT	3797	0.09
PNP-05	34+92	35+60	SALINE	RT	231	0.01
PNP-06	36+50	37+01	SALINE	LT	442	0.02
PNP-06	37+24	39+69	SALINE	RT	1786	0.05
PNP-06	40+08	40+33	SALINE	LT	111	0.01
PNP-07	42+38	42+51	SALINE	LT	37	0.01
PNP-07	44+78	44+97	SALINE	LT	186	0.01
PNP-09	53+84	54+45	SALINE	LT	358	0.01
PNP-09	55+66	56+22	SALINE	RT	521	0.02
PNP-09	56+62	57+47	SALINE	RT	334	0.01
PNP-10	58+00	58+22	SALINE	LT	339	0.01
TOTAL =						0.3

WATER MAIN ABANDONMENT
STATION 24+86 TO 59+36 = 3450 LF

SIDEWALK AND CURB REMOVAL						
SHEET	STATION	STATION	ROUTE	LOCATION	CONCRETE CURB (LF)	SIDEWALK AREA A (SY)
PNP-02	15+59	15+62	SALINE	RT		5
PNP-02	19+00	19+20	SALINE	LT	59	
PNP-02	19+51	19+53	SALINE	LT	11	
PNP-04	26+24	26+31	SALINE	LT	42	
PNP-04	26+45	26+99	SALINE	LT	77	
PNP-06	36+11	36+48	SALINE	LT	59	
PNP-06	36+26	36+50	SALINE	LT	52	
PNP-06	36+50	36+79	SALINE	LT	64	
PNP-06	40+78	40+94	SALINE	RT	33	
PNP-06	41+03	41+50	SALINE	LT		13
PNP-07	41+50	42+08	SALINE	LT		13
PNP-07	44+73	44+96	SALINE	RT	37	
PNP-07	45+32	45+52	SALINE	RT	33	
PNP-08	47+78	47+92	SALINE	RT	26	
PNP-08	48+29	48+40	SALINE	RT	26	
PNP-10	58+20	58+34	SALINE	LT	35	
PNP-10	58+62	58+75	SALINE	LT	34	
PNP-10	58+68	58+89	SALINE	RT	40	
PNP-10	59+17	59+37	SALINE	RT	32	
TOTAL =					660	31

ROADWAY PAVEMENT REMOVAL					
SHEET	STATION	STATION	ROUTE	PAVEMENT AREA A (SF)	PAVEMENT AREA A (SY)
ROADWAY					
PNP-01	13+17	14+50	SALINE	3387	376
PNP-02	14+50	20+00	SALINE	13437	1493
PNP-03	20+00	25+50	SALINE	12975	1442
PNP-04	25+50	31+00	SALINE	13838	1538
PNP-05	31+00	36+00	SALINE	14115	1568
PNP-06	36+00	41+50	SALINE	15024	1669
PNP-07	41+50	47+00	SALINE	14085	1565
PNP-08	47+00	52+50	SALINE	14129	1570
PNP-09	52+50	58+00	SALINE	13326	1481
PNP-10	58+00	59+37	SALINE	4374	486
TOTAL =					13188

EARTHWORK			
LOCATION	203-10.00 CLASS A EXCAVATION (C.Y.)	203-20.00 CLASS C EXCAVATION (ROCK BENCH) (C.Y.)	203-60.00 COMPACTING EMBANKMENT (C.Y.)
SALINE	12,839		1,336
ROCK BENCH-STA 28+32 TO STA 30+95		549	
DRIVEWAY ADD YARDAGES	1,306		100
TOTALS =	14,145	549	1,436

MOBILIZATION = 1 LUMP SUM

CONTRACTOR FURNISHED SURVEYING AND STAKING = 1 LUMP SUM

DRAWN BY: EBS JOB DATE: 02/2012 - 12/2014
APPROVED: JSD JOB NUMBER: 75110022
CAD DATE: 2/27/2015 5:17:15 PM
CAD FILE: \\hrgreen004\Draws\75110022\CAD\Draws\qty_01.dgn

NO.	DATE	BY	REVISION DESCRIPTION
1	3/2/15	JSD	REMOVED ITEM FOR 381 SALINE AND GAS ADJUST. QTY
2	3/2/15	BLA	ADD PAY ITEM

HRGreen
16020 SWINGLEY RIDGE ROAD, SUITE 205
ST. LOUIS, MISSOURI 63017
PHONE: (636) 519,0990
CORPORATE LICENSE #2002006608



SALINE ROAD IMPROVEMENTS-PHASE 1
COUNTY OF JEFFERSON, MISSOURI
5403(642)/TIP#5589-12

QUANTITIES

(Sheet 1 of 6)

SHEET NO.
QTY-01
2 of 99

PERMANENT SIGNS

SHEET	STATION	OFFSET	MUTCD	SIZE	903-50.10** PERMANENT SIGNING (S.F.)	RE MARKS
STR-01	14+60	RT	R2-1	24X30	5.00	30 MPH SPEED LIMIT SIGN
STR-01	16+80	LT	W3-1a	30X30	6.25	STOP AHEAD
STR-02	26+20	18' LT	R1-1	30X30	6.25	STOP
STR-02	26+20	18' LT	SIGN BLADE	24X6 (TWO EA)	2.00	SALINE/JAPPALOOSA
STR-02	28+20	18' RT	R1-1	30X30	6.25	STOP
STR-02	28+20	18' RT	SIGN BLADE	24X6 (TWO EA)	2.00	SALINE/VIEW
STR-02	28+90	RT	W1-1L	30X30	6.25	LEFT TURN
STR-02	28+90	RT	W13-1	18X18	2.25	15 MPH SPEED PLAQUE
STR-02	30+50	RT	W1-1aL	36X36	9.00	COMBINATION LEFT TURN/ADVISORY SPEED 15
STR-02	30+80	RT	W1-8	18X24 (TWO EA)	6.00	CHEVRON ALIGNMENT
STR-03	31+20	RT	S3-1	36X36	9.00	SCHOOL BUS STOP AHEAD
STR-03	31+20	RT	W1-8	18X24 (TWO EA)	6.00	CHEVRON ALIGNMENT
STR-03	31+60	RT	W1-8	18X24 (TWO EA)	6.00	CHEVRON ALIGNMENT
STR-03	32+00	RT	W1-8	18X24 (TWO EA)	6.00	CHEVRON ALIGNMENT
STR-03	32+50	24' RT	R1-1	30X30	6.25	STOP
STR-03	32+50	24' RT	SIGN BLADE	24X6 (TWO EA)	2.00	SALINE/LAKEVIEW RIDGE
STR-03	33+00	RT	W1-8	18X24 (TWO EA)	6.00	CHEVRON ALIGNMENT
STR-03	33+40	RT	W1-8	18X24 (TWO EA)	6.00	CHEVRON ALIGNMENT
STR-03	33+70	LT	W1-1aR	36X36	9.00	COMBINATION RIGHT TURN/ADVISORY SPEED 15
STR-03	35+50	LT	W1-1R	30X30	6.25	RIGHT TURN
STR-03	35+50	LT	W13-1	18X18	2.25	15 MPH SPEED PLAQUE
STR-03	36+20	23' LT	R1-1	30X30	6.25	STOP
STR-03	36+20	23' LT	SIGN BLADE	24X6 (TWO EA)	2.00	SALINE/HORIZON
STR-03	36+60	34.5' LT	W14-2	30X30	6.25	NO OUTLET
STR-03	36+60	34.5' LT	R12-1	24X30	5.00	WEIGHT LIMIT
STR-03	37+20	RT	S3-1	36X36	9.00	SCHOOL BUS STOP AHEAD
STR-03	37+80	RT	W1-1R	30X30	6.25	RIGHT TURN
STR-03	37+80	RT	W13-1	18X18	2.25	20 MPH SPEED PLAQUE
STR-03	39+20	RT	W1-1aR	36X36	9.00	COMBINATION RIGHT TURN/ADVISORY SPEED 20
STR-03	39+20	LT	W1-8	18X24 (TWO EA)	6.00	CHEVRON ALIGNMENT
STR-03	39+60	LT	W1-8	18X24 (TWO EA)	6.00	CHEVRON ALIGNMENT
STR-03	40+00	LT	W1-8	18X24 (TWO EA)	6.00	CHEVRON ALIGNMENT
STR-04	40+40	RT	W14-2	30X30	6.25	NO OUTLET
STR-04	40+40	RT	R12-1	24X30	5.00	WEIGHT LIMIT
STR-04	40+40	LT	W1-8	18X24 (TWO EA)	6.00	CHEVRON ALIGNMENT
STR-04	40+70	26' LT	R1-1	30X30	6.25	STOP
STR-04	40+70	26' LT	SIGN BLADE	24X6 (TWO EA)	2.00	SALINE/BRINY
STR-04	41+00	28' RT	R1-1	30X30	6.25	STOP
STR-04	41+00	28' RT	SIGN BLADE	24X6 (TWO EA)	2.00	SALINE/FIELDCREST
STR-04	41+20	LT	W1-8	18X24 (TWO EA)	6.00	CHEVRON ALIGNMENT
STR-04	41+60	LT	W1-1aL	36X36	9.00	COMBINATION TURN/ADVISORY SPEED 20
STR-04	41+60	LT	W1-8	18X24 (TWO EA)	6.00	CHEVRON ALIGNMENT
STR-04	42+00	22' LT	R1-1	30X30	6.25	STOP
STR-04	42+00	22' LT	SIGN BLADE	24X6 (TWO EA)	2.00	SALINE/PINE RIDGE
STR-04	42+60	21' LT	R1-1	30X30	6.25	STOP
STR-04	42+60	21' LT	SIGN BLADE	24X6 (TWO EA)	2.00	SALINE/OAK
STR-04	43+40	LT	W1-1L	30X30	6.25	LEFT TURN
STR-04	43+40	LT	W13-1	18X18	2.25	20 MPH SPEED PLAQUE
STR-04	45+45	20' RT	R1-1	30X30	6.25	STOP
STR-04	45+45	20' RT	SIGN BLADE	24X6 (TWO EA)	2.00	SALINE/PLANET
STR-04	48+41	21' RT	R1-1	30X30	6.25	STOP
STR-04	48+41	21' RT	SIGN BLADE	24X6 (TWO EA)	2.00	SALINE/STONE BLUFF
STR-04	49+90	RT	W1-2L	30X30	6.25	CURVE LEFT
STR-04	49+90	RT	W13-1	18X18	2.25	25 MPH SPEED PLAQUE
STR-05	56+00	21' RT	R1-1	30X30	6.25	STOP
STR-05	56+00	21' RT	SIGN BLADE	24X6 (TWO EA)	2.00	SALINE/KOHNEN
STR-05	56+50	LT	W1-2R	30X30	6.25	CURVE RIGHT
STR-05	56+50	LT	W13-1	18X18	2.25	25 MPH SPEED PLAQUE
STR-05	57+60	LT	R2-1	24X30	5.00	30 MPH SPEED LIMIT SIGN
STR-05	58+20	19' LT	R1-1	30X30	6.25	STOP
STR-05	58+20	19' LT	SIGN BLADE	24X6 (TWO EA)	2.00	SALINE/NOLAN
STR-05	59+30	22' RT	R1-1	30X30	6.25	STOP
STR-05	59+30	22' RT	SIGN BLADE	24X6 (TWO EA)	2.00	SALINE/SILVER MAPLE
TOTALS =					323	

PAVEMENT MARKING

SHEET	STATION	STATION	LOCATION	620-60.01B 4 IN. YELLOW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT (LF)	620-60.00B 4 IN. WHITE ACRYLIC WATERBORNE PAVEMENT MARKING PAINT (LF)
STR-01	13+16	14+50	SALINE	266	266
STR-01	14+50	20+00	SALINE	1100	1021
STR-02	20+00	25+50	SALINE	1100	1100
STR-02	25+50	31+00	SALINE	1100	965
STR-03	31+00	36+50	SALINE	1100	1005
STR-03	36+50	40+00	SALINE	700	670
STR-04	40+00	45+50	SALINE	1100	822
STR-04	45+50	51+00	SALINE	1100	1100
STR-05	51+00	56+00	SALINE	1000	962
STR-05	56+00	59+36	SALINE	672	581
TOTAL=				9238	8492

ADJUSTMENTS

SHEET	STATION	OFFSET	LOCATION	603-10.30* ADJUST WATER SERVICE VALVE AND BOX TO GRADE (EACH)	603-10.31* ADJUST WATER METER (EACH)	(FYI ONLY) ADJUST GAS SERVICE VALVE TO GRADE	604-20.00** REMOVE AND REPLACE HYDRANT (EACH)	604-20.11** MISCELLANEOUS (PULLBOXES, OTHER) (EACH)	REMARKS
PNP-01	13+61	26.8	RT		1				
PNP-01	13+63	26.3	RT		1				
PNP-02	15+25	20.9	LT			1			CONTRACTOR TO COORDINATE W/ LACLEDE GAS DIRECTLY
PNP-02	19+54	11.9	LT						CONTRACTOR TO COORDINATE W/ LACLEDE GAS DIRECTLY
PNP-02	19+61	26.7	LT			1			
PNP-03	24+86	2.0	LT	1					
PNP-03	25+44	17.3	RT					1	
PNP-04	27+14	11.3	LT	1					
PNP-04	27+93	37.9	RT	1					
PNP-04	29+07	17.4	LT		1				
PNP-05	32+14	7.0	LT	1					
PNP-05	32+22	8.4	LT	1					
PNP-05	34+19	20.2	LT					1	PULLBOX
PNP-06	36+31	39.8	LT				1		
PNP-06	36+33	39.8	LT	1					
PNP-06	36+40	10.7	LT	1					
PNP-06	36+47	77.3	LT		1				
PNP-06	40+67	39.0	RT					1	SANITARY
PNP-07	41+98	15.0	LT	1					
PNP-07	41+99	10.6	LT	1					
PNP-07	42+59	23.1	LT					1	PULLBOX
PNP-07	42+90	14.8	LT	1					
PNP-07	43+04	9.7	LT	1					
PNP-07	43+97	22.1	LT		1				
PNP-07	44+38	23.7	RT		1				
PNP-07	46+56	22.7	LT		1				
PNP-08	46+14	19.2	RT			1			CONTRACTOR TO COORDINATE W/ LACLEDE GAS DIRECTLY
PNP-08	48+49	6.9	RT	1					
PNP-08	48+71	13.7	RT			1			CONTRACTOR TO COORDINATE W/ LACLEDE GAS DIRECTLY
PNP-08	49+27	24.0	RT					1	PULLBOX
PNP-08	49+65	18.8	RT		1				
PNP-08	50+22	22.7	LT		1				
PNP-08	51+24	17.4	LT		1				
PNP-09	53+53	11.5	LT	1					
PNP-09	54+67	12.3	LT		1				
PNP-09	55+20	10.2	LT	1					
PNP-09	55+20	14.3	LT				1		
PNP-09	55+73	6.6	LT	1					
PNP-09	55+76	9.7	LT	1					
PNP-09	56+11	7.0	LT	1					
PNP-09	56+53	19.9	LT		1				
PNP-10	58+20	21.1	RT		1				
PNP-10	59+25	6.4	LT	1					
TOTAL =				18	13	4	2	5	

CONCRETE CURBS (ALL TYPES)

SHEET	STATION	STATION	STREET	SIDE	609-10.10 CONCRETE CURB TYPE S (LF)	609-10.52 CURB AND GUTTER TYPE B (LF)	609-20.12 INTEGRAL CURB TYPE B (LF)	609-20.13 INTEGRAL CURB TYPE M (MODIFIED) (LF)	609-20.32 CONCRETE CURB LOW PROFILE TYPE F (LF)	609-30.15 ASPHALT CURB (4 INCH) (LF)
PNP-01	BOP	14+50	SALINE	LT		133				
PNP-01	BOP	14+50	SALINE	RT		84				
PNP-02	14+50	20+00	SALINE	LT		565				
PNP-02	14+50	20+00	SALINE	RT		527				
PNP-03	20+00	25+50	SALINE	LT		533				
PNP-03	20+00	25+50	SALINE	RT		440				
PNP-04	25+50	31+00	SALINE	LT		545				
PNP-04	25+50	31+00	SALINE	RT		490				
PNP-05	31+00	36+00	SALINE	LT		482				
PNP-05	31+00	36+00	SALINE	RT		743				
PNP-06	36+00	41+50	SALINE	LT		602				
PNP-06	36+00	41+50	SALINE	RT		533				
PNP-06	36+30	36+49	SALINE	LT				20		
PNP-06	36+52	36+79	SALINE	LT				27		
PNP-06	40+19	40+46	SALINE	LT						75
PNP-07	41+50	47+00	SALINE	LT		475				
PNP-07	41+50	47+00	SALINE	RT		464				
PNP-08	47+00	52+50	SALINE	LT		405				
PNP-08	47+00	52+50	SALINE	RT		393				
PNP-08	51+07	51+42	SALINE	LT					47	
PNP-08	51+18	51+43	SALINE	LT					29	
PNP-09	52+50	58+00	SALINE	LT		426				
PNP-09	52+50	58+00	SALINE	RT		505				
PNP-09	53+46	53+56	SALINE	LT	22					
PNP-09	53+67	53+72	SALINE	LT	38					
PNP-10	58+00	EOP	SALINE	LT		154				
PNP-10	58+00	EOP	SALINE	RT		122				
PNP-10	58+00	EOP	SALINE	RT		90	32			
TOTALS =					61	8710	32	47	76	75

DRAWN BY: EBS JOB DATE: 02/2012 - 12/2014
APPROVED: JSD JOB NUMBER: 75110022
CAD DATE: 2/27/2015 5:25:38 PM
CAD FILE: \\hrqdfs004\Draws\75110022\CAD\Draws\qty_06.dgn

NO.	DATE	BY	REVISION DESCRIPTION
1	3/2/15	JSD	LACLEDE GAS TO ADJUST ALL GAS VALVES



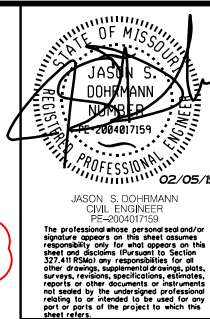
16020 SWINGLEY RIDGE ROAD, SUITE 205
ST. LOUIS, MISSOURI 63017
PHONE: (636) 519,0990
CORPORATE LICENSE #2002006608



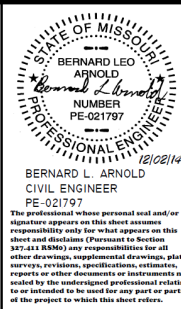
SALINE ROAD IMPROVEMENTS-PHASE 1
COUNTY OF JEFFERSON, MISSOURI
5403(642)/TIP*5589-12

QUANTITIES
(Sheet 6 of 6)

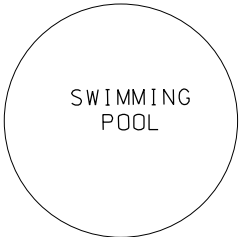
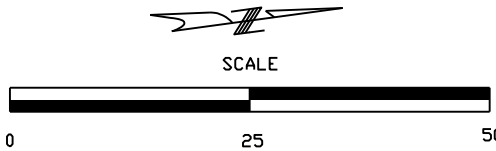
SHEET NO.
QTY-06
7 of 99



DETAILS ON THIS SHEET WERE DESIGNED AND APPROVED BY JEFFERSON COUNTY ENGINEERS AND ARE NOT COVERED BY THE SEAL OF THE PROFESSIONAL ENGINEER APPEARING ON THE COVER SHEET OF THIS SET OF PLANS



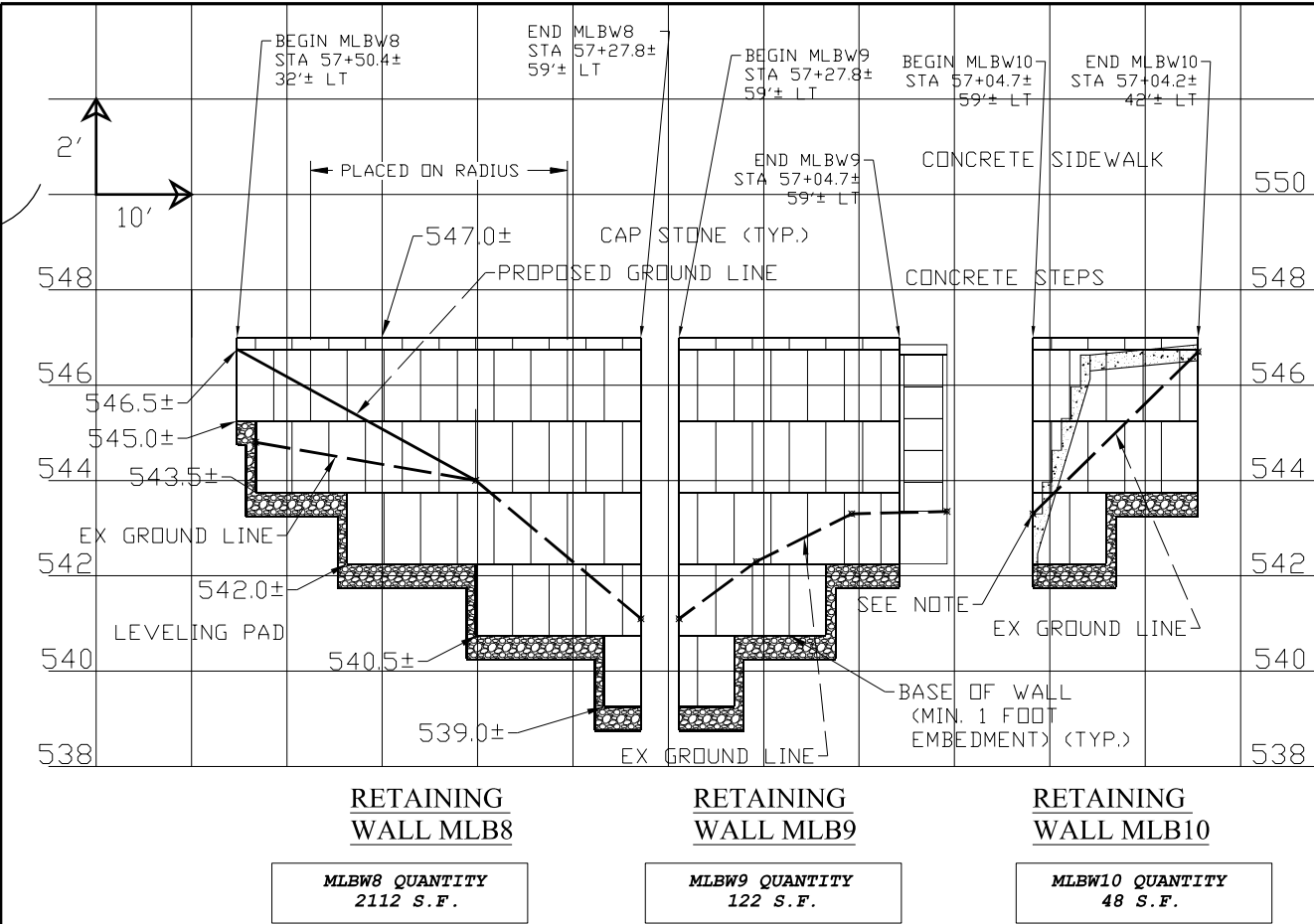
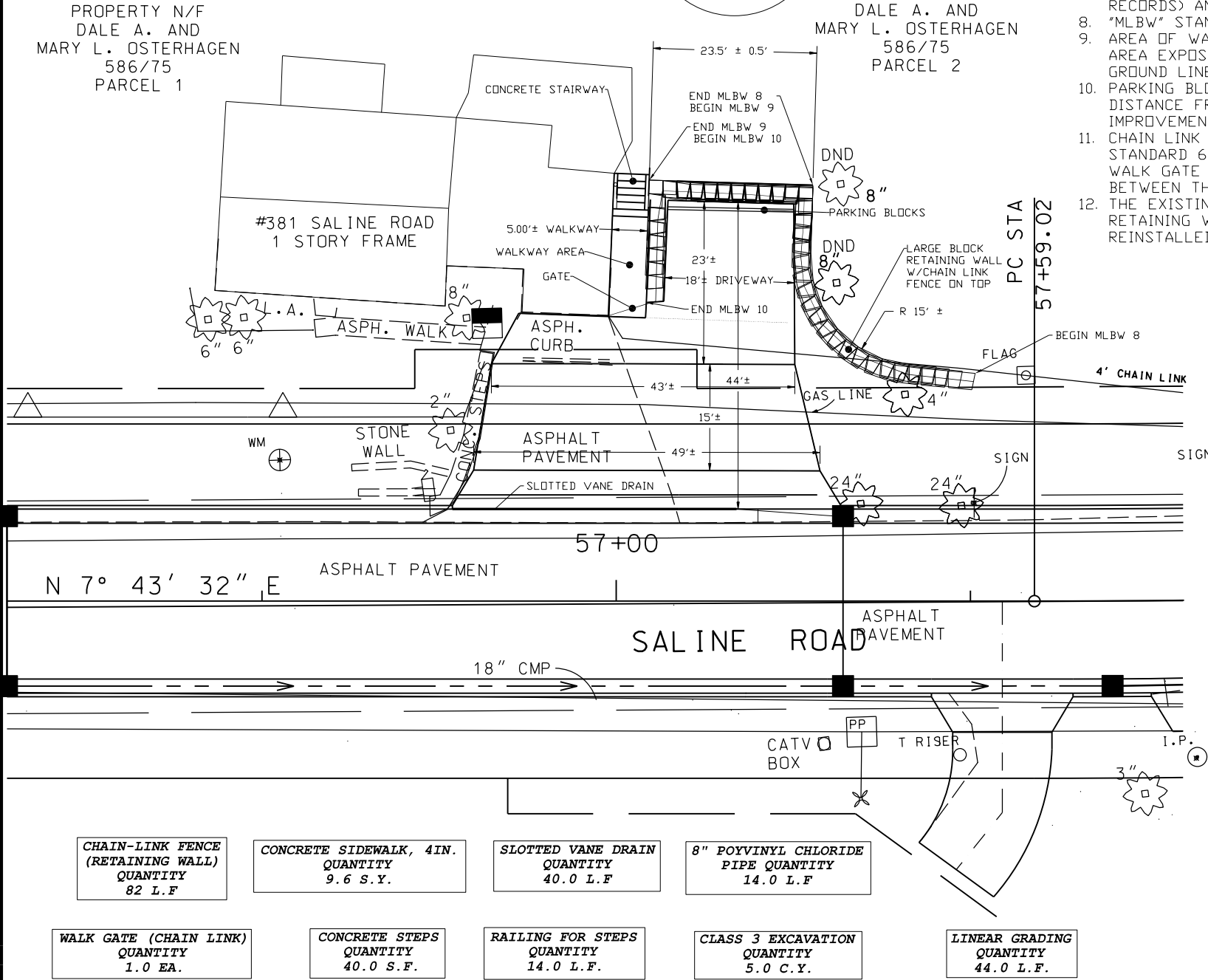
NOTE: A RIGHT OF ENTRY HAS BEEN SECURED TO CONSTRUCT REVISED DRIVEWAY LIMITS. CONTRACTOR SHALL COOPERATE WITH PROPERTY OWNER DURING CONSTRUCTION OF DRIVEWAY AND SHALL KEEP HEAVY EQUIPMENT LOAD AWAY FROM RESIDENCE. SLOPE DRIVEWAY AWAY FROM RESIDENCE..



PROPERTY N/F
DALE A. AND
MARY L. OSTERHAGEN
586/75
PARCEL 2

NOTES:

1. SEE MODOT DETAIL 608.20D FOR CONCRETE STAIRS AND HANDRAIL. EACH HANDRAIL POST SHALL BE CENTERED IN A 6" WALL, INSTEAD OF A 4" WALL.
2. THE ELEVATION OF BOTTOM STEP OF CONCRETE STAIRS SHALL BE SET 1/2" OF ELEVATION OF ADJACENT WOOD DECK.
3. POROUS BACKFILL, IN ACCORDANCE WITH SEC 206.4.11, SHALL BE USED FOR ANY FILL MATERIAL REQUIRED BETWEEN THE RETAINING WALL AND THE HOUSE FOUNDATION. A PERFORATED DRAIN SHALL BE INSTALLED WITH AN OUTLET MEETING THE APPROVAL OF THE ENGINEER. SPECIAL CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE HOUSE FOUNDATION.
4. THE MODULAR BLOCK RETAINING WALL FOR THIS LOCATION SHALL BE "LARGE BLOCK WALL SYSTEM" AND SHALL MEET THE REQUIREMENTS OF THE CURRENT VERSION OF THE MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (MODOT) AND SPECIAL PROVISIONS.
5. NO PORTION OF THE MODULAR BLOCK RETAINING WALL SHALL OVERLAP THE EXISTING GAS MAIN LINE.
6. ALL STATIONING AND OFFSETS GIVEN FROM SALINE ROAD CENTERLINE TO WALL FACE UNLESS OTHERWISE NOTED.
7. MODULAR LARGE BLOCK RETAINING WALL TO BE DESIGNED PER MANUFACTURER'S DETAILS BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF MISSOURI. CONTRACTOR IS REQUIRED TO SUBMIT SEALED WALL DESIGN, INCLUDING ALL PLANS, DESIGN CALCS, SUBSURFACE INFORMATION (BORING LOGS OR OTHER FACTUAL RECORDS) AND OTHER PERTINENT INFORMATION TO THE ENGINEER OF RECORD FOR REVIEW.
8. "MLBW" STANDS FOR MODULAR LARGE BLOCK RETAINING WALL.
9. AREA OF WALL TO BE PAID FOR IS AREA OF "FACE AREA EXPOSED" AS SHOWN PER PLAN DETAILS. THE "FACE AREA EXPOSED" QUANTITY SHALL BE BASED ON THE AREA BETWEEN THE TOP OF THE WALL AND THE "EX. GROUND LINE" (PRECEDING OTHER FINAL IMPROVEMENTS).
10. PARKING BLOCKS, MEETING THE APPROVAL OF THE ENGINEER, SHALL BE INSTALLED AT AN APPROPRIATE OFFSET DISTANCE FROM MLBW9. THE COST OF THE PARKING BLOCKS SHALL BE INCLUDED IN THE COST OF THE DRIVEWAY IMPROVEMENT PAY ITEMS.
11. CHAIN LINK FENCE SHALL BE INSTALLED ON THE TOP OF THE PERIMETER OF THE RETAINING WALL PER STANDARD 607.11H, OR PER WALL MANUFACTURER DETAILS AND MEETING THE APPROVAL OF THE ENGINEER. A WALK GATE (WITH HINGES AND LATCHING HARDWARE) OF THE APPROPRIATE WIDTH SHALL BE INSTALLED BETWEEN THE RETAINING WALL FENCE AND THE WALL OF HOUSE.
12. THE EXISTING CHAIN LINK FENCE SHALL BE TEMPORARILY REMOVED AS NECESSARY TO CONSTRUCT THE RETAINING WALL. UPON COMPLETION OF THE RETAINING WALL, THE EXISTING CHAIN LINK FENCE SHALL BE REINSTALLED AND MODIFIED AS NECESSARY TO PROVIDE A POSITIVE ENCLOSURE.



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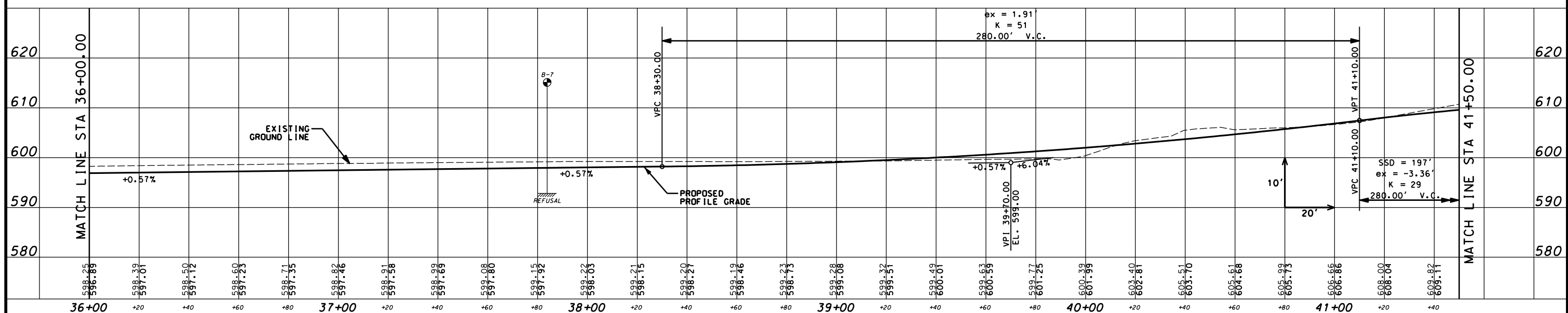
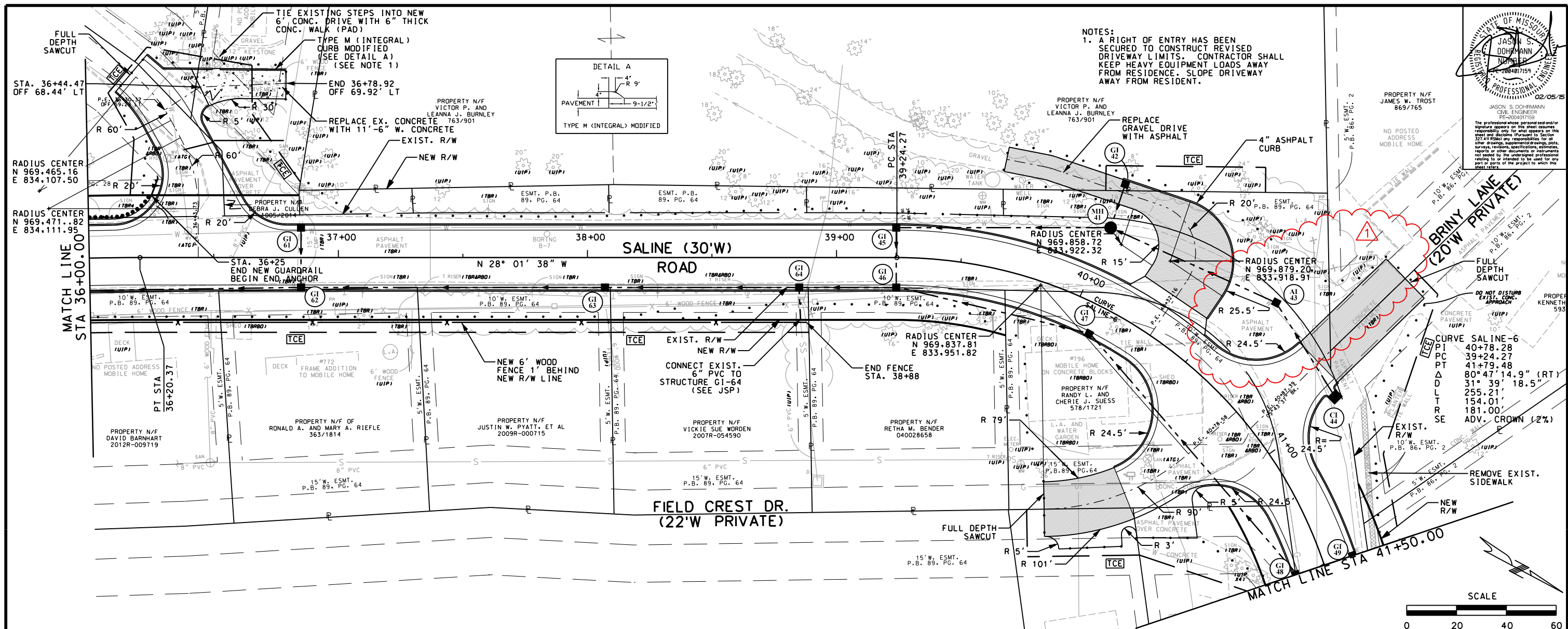
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SALINE ROAD IMPROVEMENTS-PHASE 1
COUNTY OF JEFFERSON, MISSOURI
5403(642)/TIP*5589-12

SPECIAL DETAIL SHEET
OSTERHAGEN PARCEL (PARCEL 2)
(Sheet 1 of 1)

SHEET NO.
DET-01
12 of 99



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 APPROVED: JSD
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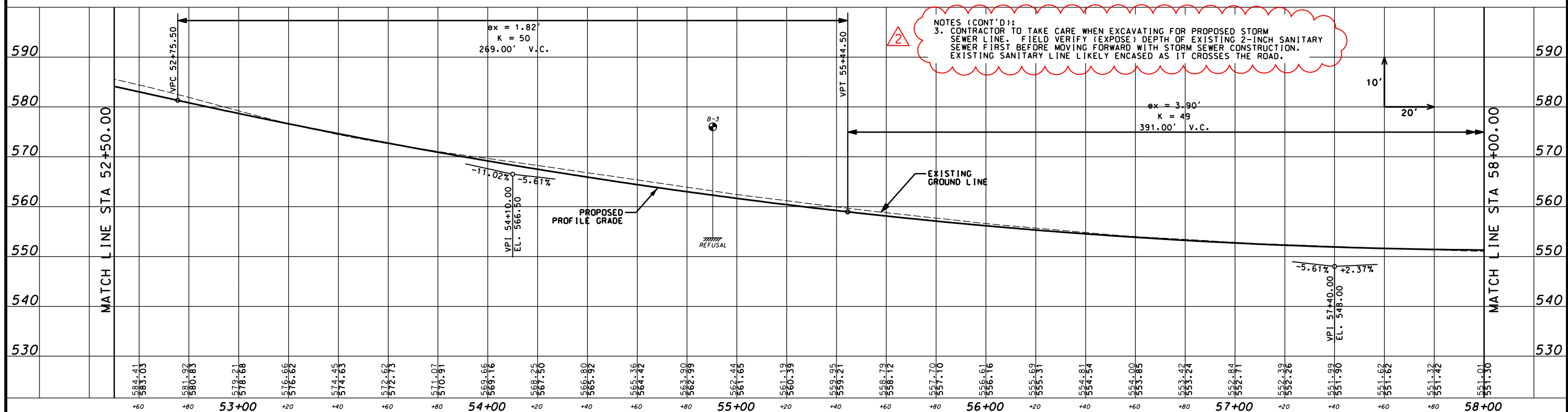
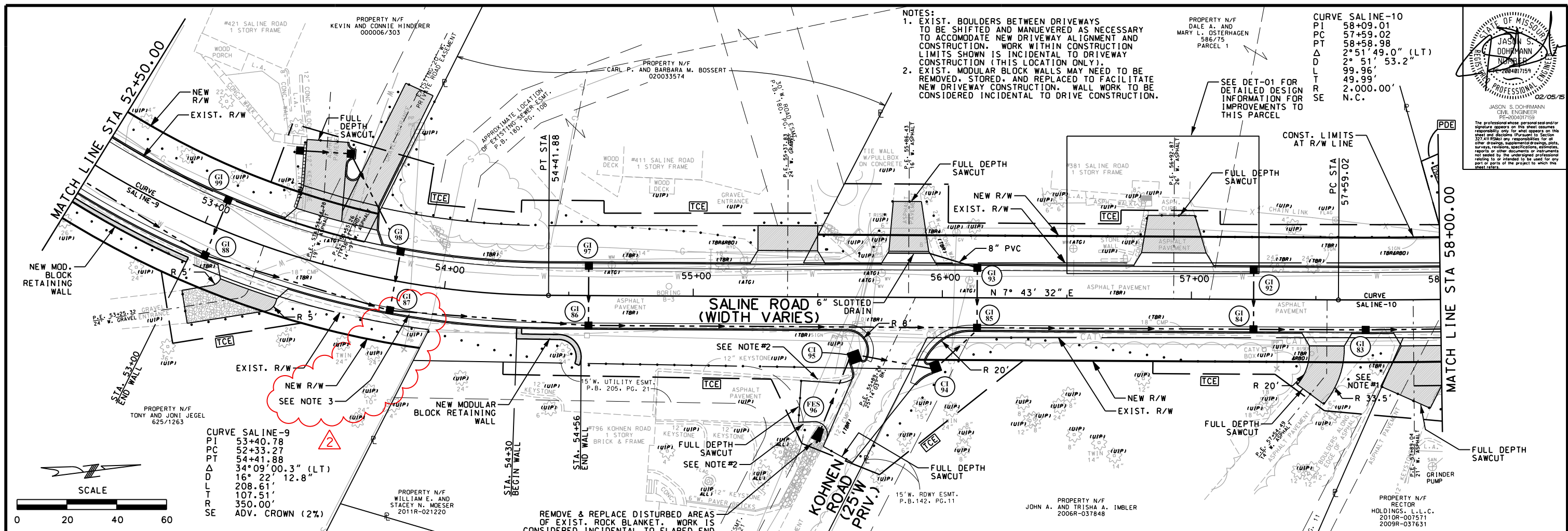
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SALINE ROAD IMPROVEMENTS-PHASE 1
 COUNTY OF JEFFERSON, MISSOURI
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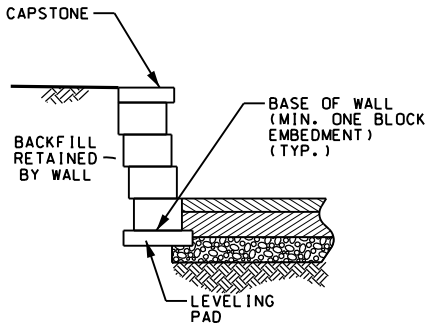
PLAN AND PROFILE SHEETS
 MAINLINE ALIGNMENT
 (Sheet 6 of 10)

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PNP-06
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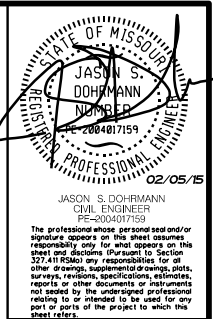
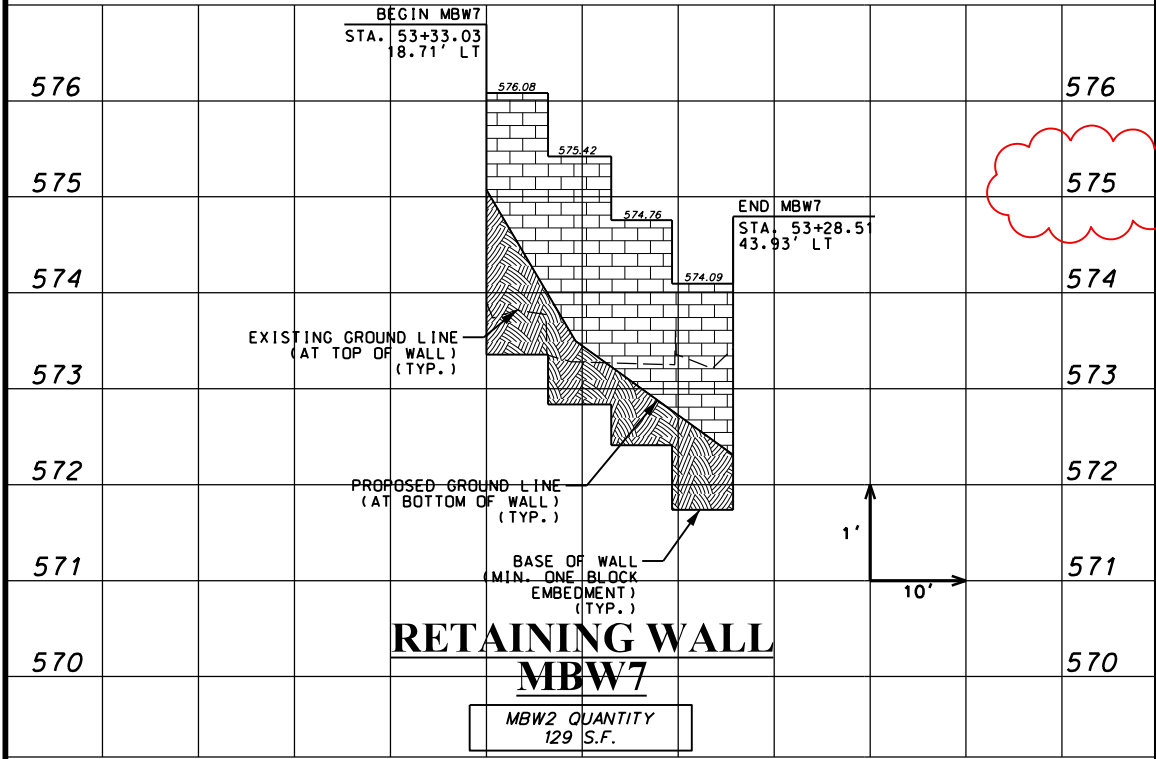
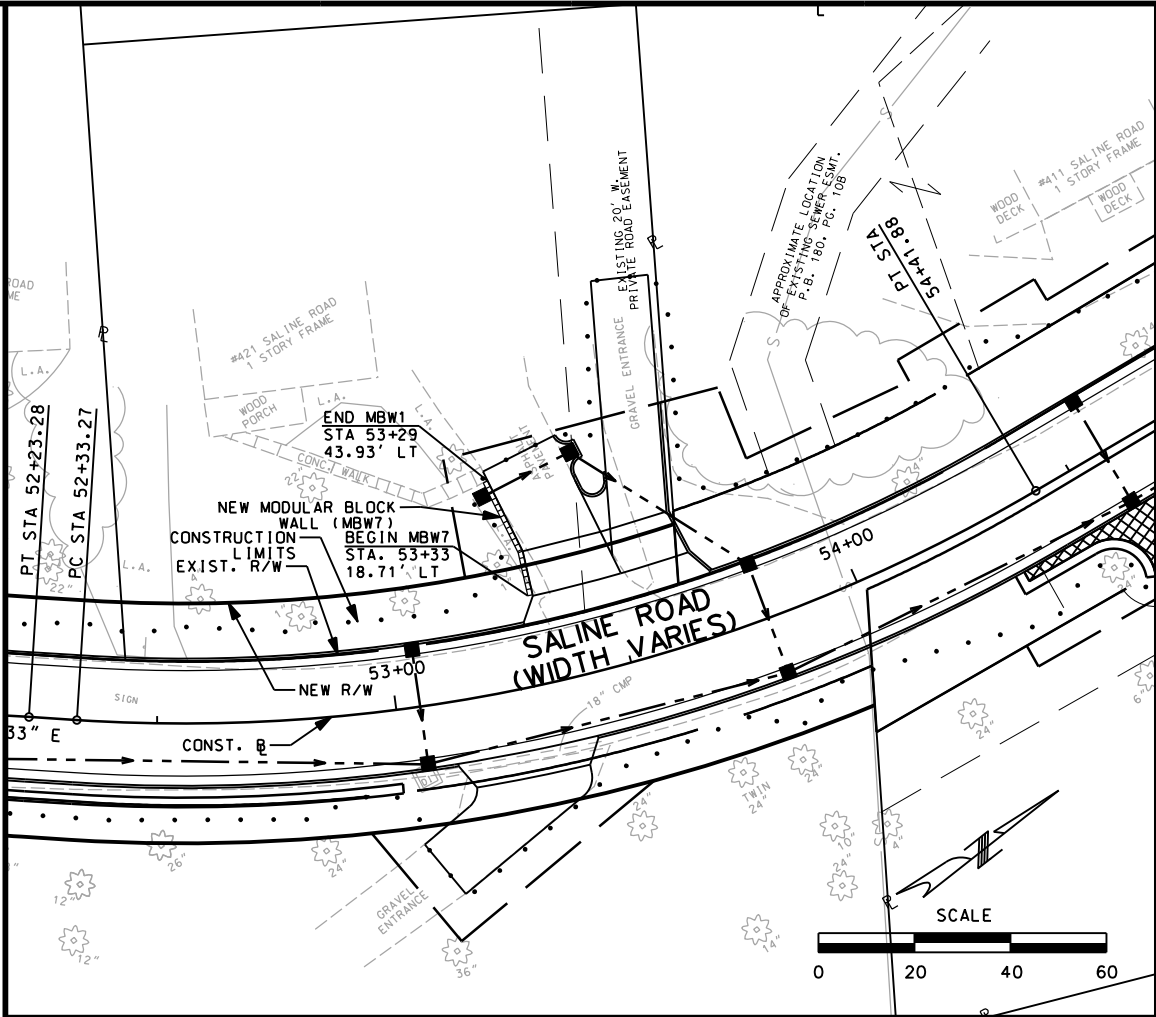
GENERAL NOTES:

1. MODULAR BLOCK RETAINING WALLS SHALL MEET THE REQUIREMENTS OF THE CURRENT VERSION OF THE MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (MODOT).
2. UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEY DATA AND RECORDS. THE OWNER DOES NOT WARRANT THE LOCATION OF THESE FACILITIES AS PRECISE. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXISTENCE AND PRECISE LOCATION OF ALL FACILITIES AND TO AVOID DAMAGE.
3. ALL STATIONING AND OFFSETS GIVEN FROM SALINE ROAD CENTERLINE TO WALL FACE UNLESS OTHERWISE NOTED.
4. MODULAR BLOCK RETAINING WALL TO BE DESIGNED PER MANUFACTURER'S DETAILS BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF MISSOURI. CONTRACTOR IS REQUIRED TO SUBMIT SEALED WALL DESIGN, INCLUDING ALL PLANS, DESIGN CALCS, SUBSURFACE INFORMATION, (BORING LOGS OR OTHER FACTUAL RECORDS) AND OTHER PERTINENT INFORMATION TO THE ENGINEER OF RECORD FOR REVIEW.
5. "MBW" STANDS FOR MODULAR BLOCK RETAINING WALL.
6. AREA OF WALL TO BE PAID FOR IS AREA OF "FACE AREA EXPOSED" AS SHOWN WITH THE BRICK PATTERN BELOW.



TYPICAL SECTION THRU WALL

N.T.S.
MBW 7 - STA. 53+33.03 to STA. 53+28.51 RT



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SALINE ROAD IMPROVEMENTS-PHASE 1
COUNTY OF JEFFERSON, MISSOURI
5403(642)/TIP*5589-12

RETAINING WALL DETAILS
MBW 7
(Sheet 3 of 3)

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GENERAL NOTES

- 1) THE TEMPORARY PAVEMENT MARKINGS SHALL CONSIST OF PAVEMENT MARKINGS, EITHER BY PAINTING OR BY APPLICATION OF PERFORMED REMOVABLE TAPE, AS A METHOD TO DELINEATE TRAFFIC LANE ON PAVEMENT USED FOR HANDLING TRAFFIC DURING CONSTRUCTION. ON NEW PAVEMENTS OR EXISTING PAVEMENTS THAT ARE TO REMAIN IN PLACE, PREFORMED REMOVABLE TAPE SHALL BE USED. ON PAVEMENTS THAT ARE TO BE OBLITERATED AT THE COMPLETION OF EITHER THE CURRENT PHASE OF CONSTRUCTION AND/OR THE COMPLETION OF EITHER THE CURRENT PHASE OF CONSTRUCTION AND/OR THE COMPLETION OF THE PROJECT, PAVEMENT MARKING SHALL BE USED. THE MARKING PAINT AND/OR TAPE SHALL BE REFLECTORIZED AND BE OF GOOD COMMERCIAL QUALITY, AND BE APPROVED BY THE ENGINEER. ALL PREFORMED MARKING TAPE/OR PAINT USED ON THE PROJECT SHALL BE MAINTAINED BY THE CONTRACTOR AT HIS EXPENSE AS DIRECTED BY THE ENGINEER. FOR THE PURPOSES OF THE QUANTITY DEVELOPMENT, IT IS ASSUMED THAT ALL LOCATIONS USE PAINT, AND NO DISTINCTION HAS BEEN MADE BETWEEN THE COST OF PAINT AND/OR TAPE. THE COST OF REMOVAL OF THESE ITEMS, IF NECESSARY, WILL BE CONSIDERED TO BE COMPLETELY COVERED BY THE UNIT PRICES BID FOR THE ITEM. ALL PAVEMENT MARKINGS, INCLUDING THOSE EXISTING FROM PREVIOUS TRAFFIC HANDLING PHASES, WHICH CONFLICT WITH NEW MARKINGS BEING APPLIED, SHALL BE OBLITERATED. THE COST OF OBLITERATION WILL BE CONSIDERED INCIDENTAL TO THE TEMPORARY PAVEMENT STRIPING ITEMS.
- 2) ALL BARRELS USED ON THIS PROJECT SHALL BE FLEXIBLE, NONMETALLIC TRIM LINE CHANNELIZERS.
- 3) CONTRACTOR FURNISHED SIGNS SHALL BE MAINTAINED AND KEPT CLEAN FOR THE DURATION OF THE PROJECT AND SHALL BE MOUNTED AS SHOWN ON THE MODOT STANDARD DRAWING "TEMPORARY TRAFFIC CONTROL DEVICES" (616.10A) AND PAYMENT SHALL BE CONSIDERED COMPLETELY COVERED BY THE BID ITEM FOR STANDARD TRAFFIC CONTROL DEVICES.
- 4) THE CONTRACTOR (AT HIS EXPENSE) SHALL CONSTRUCT ALL DRIVEWAYS IN A MANNER WHICH PROVIDES ACCESS TO EACH PROPERTY AT ALL TIMES. THIS INCLUDES STAGED DRIVEWAY CONSTRUCTION, TEMPORARY ROCK ACCESS, OR OTHER MEANS.
- 5) PROPER TRAFFIC CONTROL DEVICES AND FLAGGERS SHALL BE IN PLACE PRIOR TO THE INSTALLATION OF STORM SEWER PIPE WHICH CROSS ACTIVE TRAFFIC LANES. THE CONTRACTOR SHALL HAVE A REPRESENTATIVE ON SITE TO MONITOR ALL CROSSINGS, 24 HOURS A DAY AND 7 DAYS A WEEK, UNTIL A STABLE TEMPORARY HARD SURFACE IS ESTABLISHED. THE CONTRACTOR'S REPRESENTATIVE SHALL BE CAPABLE TO MAKE ANY REPAIRS TO THE CROSSINGS, WHICH MAY DAMAGE VEHICLES.
- 6) TEMPORARY TRAFFIC BARRIER TO CONFORM TO ST. LOUIS COUNTY STANDARD DRAWING C617.00.

PHASE 1A

- 1) INSTALL TRAFFIC CONTROL AND EROSION CONTROL DEVICES AS SHOWN OR DIRECTED BY THE ENGINEER.
- 2) PERFORM CLEARING AND GRUBBING THROUGHOUT PROJECT LIMITS.
- 3) PERFORM GRADING AND ROCK EXCAVATION FOR TEMPORARY PAVEMENT.
- 4) INSTALL TEMPORARY PAVEMENT AND TEMPORARY DRAINAGE PIPES AS SHOWN.
- 5) INSTALL TRAFFIC CONTROL DEVICES AND SIGNAGE FOR DETOUR. SWITCH NORTHBOUND TRAFFIC TO TEMPORARY PAVEMENT AND CLOSE ROADWAY TO SOUTHBOUND TRAFFIC.
- 6) CONSTRUCT STORM SEWER PIPES AND STRUCTURES FROM:
CI 111 TO GI 110
GI 13 TO APPROX. 16 FEET DOWNSTREAM OF GI 13
GI 23 TO FES 20
GI 38 TO APPROX. 14 FEET DOWNSTREAM OF GI 38
GI 39 TO APPROX. 14 FEET DOWNSTREAM OF GI 39
GI 40 TO APPROX. 14 FEET DOWNSTREAM OF GI 40
GI 41 TO APPROX. 14 FEET DOWNSTREAM OF GI 41
- 7) PERFORM REMOVALS AND EARTHWORK
- 8) CONSTRUCT CURB AND GUTTERS BETWEEN STA 13+17 TO 31+50 LT; CONSTRUCT TYPE X BITUMINOUS CONCRETE BASE COURSE, SIDE STREET PAVEMENT, DRIVEWAYS AND MISCELLANEOUS ITEMS AS SHOWN BETWEEN STA 13+17 TO 32+00 LT.
- 9) CONSTRUCT SUNPAK DRIVE AND APPALOOSA DRIVE PAVEMENT STAGED SO THAT TRAFFIC IS NOT INTERRUPTED.
- 10) INSTALL PERMANENT OR TEMPORARY VEGETATION AS DIRECTED BY THE ENGINEER.

PHASE 1B

- 1) INSTALL EROSION CONTROL DEVICES AS SHOWN OR DIRECTED BY THE ENGINEER.
- 2) PERFORM GRADING FOR TEMPORARY PAVEMENT.
- 3) INSTALL TEMPORARY PAVEMENT AS SHOWN.
- 4) INSTALL TRAFFIC CONTROL DEVICES AND SHIFT TRAFFIC TO NEW LANE CONFIGURATION.
- 5) CONSTRUCT STORM SEWER PIPES AND STRUCTURES FROM:
FES 10 TO APPROX. 8 FEET UPSTREAM OF GI 12
FES 30 TO GI 52
GI 32 TO APPROX. 8 FEET UPSTREAM OF GI 32
GI 34 TO APPROX. 8 FEET UPSTREAM OF GI 34
GI 35 TO APPROX. 8 FEET UPSTREAM OF GI 35
GI 36 TO APPROX. 8 FEET UPSTREAM OF GI 36
- 6) PERFORM REMOVALS AND EARTHWORK.
- 7) CONSTRUCT CURB AND GUTTERS BETWEEN STA 13+17 TO 31+80 RT; CONSTRUCT TYPE X BITUMINOUS CONCRETE BASE COURSE, SIDE STREET PAVEMENT, DRIVEWAYS, RETAINING WALLS, AND MISCELLANEOUS ITEMS AS SHOWN BETWEEN STA 11+59 TO 32+00 RT.
- 8) CONSTRUCT VIEW DRIVE PAVEMENT STAGED SO THAT TRAFFIC IS NOT INTERRUPTED.
- 9) INSTALL PERMANENT OR TEMPORARY VEGETATION AS DIRECTED BY THE ENGINEER.
- 10) CONSTRUCT TYPE C BITUMINOUS CONCRETE WEARING COURSE BETWEEN STA 13+17 TO 31+00 LT AND RT.
- 11) INSTALL PERMANENT PAVEMENT MARKINGS AND SIGNAGE BETWEEN STA 10+00 TO 31+00 LT AND RT.

PHASE 2A

- 1) INSTALL TRAFFIC CONTROL AND EROSION CONTROL DEVICES AS SHOWN OR DIRECTED BY THE ENGINEER.
- 2) PERFORM GRADING FOR TEMPORARY PAVEMENT.
- 3) INSTALL TEMPORARY PAVEMENT AS SHOWN.
- 4) INSTALL TRAFFIC CONTROL DEVICES AND SIGNAGE FOR DETOUR. SWITCH NORTHBOUND TRAFFIC TO TEMPORARY PAVEMENT AND CLOSE ROADWAY TO SOUTHBOUND TRAFFIC.
- 5) CONSTRUCT STORM SEWER PIPES AND STRUCTURES FROM:
GI 52 TO APPROX. 14 FEET UPSTREAM FROM GI 52
CI 56 TO GI 52
GI 52 TO APPROX. 14 FEET UPSTREAM FROM GI 48
GI 54 TO APPROX. 14 FEET UPSTREAM FROM GI 54
GI 62 TO APPROX. 14 FEET UPSTREAM FROM GI 62
GI 46 TO APPROX. 14 FEET UPSTREAM FROM GI 46
- 6) PERFORM REMOVALS AND EARTHWORK.
- 7) CONSTRUCT CURB AND GUTTERS BETWEEN STA 32+00 TO 43+00 RT; CONSTRUCT TYPE X BITUMINOUS CONCRETE BASE COURSE, SIDE STREET PAVEMENT, DRIVEWAYS AND MISCELLANEOUS ITEMS AS SHOWN BETWEEN STA 32+00 TO 41+15 RT, 39+87 TO 41+15 LT, AND 41+45 TO 43+50 RT.
- 8) INSTALL PERMANENT OR TEMPORARY VEGETATION AS DIRECTED BY THE ENGINEER.

PHASE 2B

- 1) PERFORM GRADING FOR TEMPORARY PAVEMENT.
- 2) INSTALL TEMPORARY PAVEMENT AS SHOWN.
- 3) INSTALL TRAFFIC CONTROL DEVICES AND SHIFT TRAFFIC TO NEW LANE CONFIGURATION.
- 4) PERFORM REMOVALS AND EARTHWORK.
- 5) CONSTRUCT CURB AND GUTTERS, TYPE X BITUMINOUS CONCRETE BASE COURSE, SIDE STREET PAVEMENT, DRIVEWAYS, AND MISCELLANEOUS ITEMS AS SHOWN BETWEEN STA 41+15 TO 41+45 RT AND AREA SHOWN ON FIELD CREST DRIVE.
- 6) INSTALL PERMANENT OR TEMPORARY VEGETATION AS DIRECTED BY THE ENGINEER.

PHASE 2C

- 1) INSTALL EROSION CONTROL DEVICES AS SHOWN OR DIRECTED BY THE ENGINEER.
- 2) PERFORM GRADING FOR TEMPORARY PAVEMENT.
- 3) INSTALL TEMPORARY PAVEMENT AS SHOWN.
- 4) INSTALL TRAFFIC CONTROL DEVICES AND SHIFT TRAFFIC TO NEW LANE CONFIGURATION.
- 5) CONSTRUCT STORM SEWER PIPES AND STRUCTURES FROM:
GI 51 TO APPROX. 8 FEET DOWNSTREAM OF GI 51
GI 57 TO APPROX. 8 FEET DOWNSTREAM OF GI 57
GI 61 TO APPROX. 8 FEET DOWNSTREAM OF GI 61
GI 45 TO APPROX. 8 FEET DOWNSTREAM OF GI 45
GI 49 TO APPROX. 8 FEET DOWNSTREAM OF GI 49
- 6) PERFORM REMOVALS AND EARTHWORK.
- 7) CONSTRUCT CURB AND GUTTERS BETWEEN STA 31+80 TO 32+00 RT AND STA 31+50 TO 43+50 LT; CONSTRUCT TYPE X BITUMINOUS CONCRETE BASE COURSE, SIDE STREET PAVEMENT, DRIVEWAYS, RETAINING WALLS, AND MISCELLANEOUS ITEMS AS SHOWN BETWEEN STA 32+00 TO 43+50 LT AND AREA SHOWN ON LAKEVIEW RIDGE DRIVE.
- 8) CONSTRUCT HORIZON LANE, BRINY LANE, PINE RIDGE DRIVE, AND OAK DRIVE PAVEMENT STAGED SO THAT TRAFFIC IS NOT INTERRUPTED.
- 9) INSTALL PERMANENT OR TEMPORARY VEGETATION AS DIRECTED BY THE ENGINEER.
- 10) CONSTRUCT TYPE C BITUMINOUS CONCRETE WEARING COURSE BETWEEN STA 31+00 TO 42+85 LT AND RT.
- 11) INSTALL PERMANENT PAVEMENT MARKINGS BETWEEN STA 31+00 TO 42+85 LT AND RT.

PHASE 3A

- 1) INSTALL TRAFFIC CONTROL AND EROSION CONTROL DEVICES AS SHOWN OR DIRECTED BY THE ENGINEER.
- 2) PERFORM GRADING FOR TEMPORARY PAVEMENT.
- 3) INSTALL TEMPORARY PAVEMENT AS SHOWN.
- 4) INSTALL TRAFFIC CONTROL DEVICES AND SIGNAGE FOR DETOUR. SWITCH NORTHBOUND TRAFFIC TO TEMPORARY PAVEMENT AND CLOSE ROADWAY TO SOUTHBOUND TRAFFIC.
- 5) CONSTRUCT STORM SEWER PIPES AND STRUCTURES FROM:
MH 74 TO FES 70 (PLATE AND COVER GI 73)
GI 71 TO APPROX. 22 FEET UPSTREAM OF GI 71
GI 100 TO APPROX. 14 FEET DOWNSTREAM OF GI 100
GI 99 TO APPROX. 14 FEET DOWNSTREAM OF GI 99
GI 98 TO APPROX. 14 FEET DOWNSTREAM OF GI 98
GI 97 TO APPROX. 14 FEET DOWNSTREAM OF GI 97
GI 93 TO APPROX. 14 FEET DOWNSTREAM OF GI 93
GI 92 TO APPROX. 14 FEET DOWNSTREAM OF GI 92
- 6) PERFORM REMOVALS AND EARTHWORK.
- 7) USE EXISTING 36 INCH RCP AT 58+25 IN PLACE TO PROVIDE DRAINAGE FOR WEST SIDE OF ROADWAY.
- 8) CONSTRUCT CURB AND GUTTERS BETWEEN STA 43+00 TO 58+07 LT AND STA 58+23 TO 59+35.60 LT; CONSTRUCT TYPE X BITUMINOUS CONCRETE BASE COURSE, SIDE STREET PAVEMENT, DRIVEWAYS AND MISCELLANEOUS ITEMS AS SHOWN BETWEEN STA 43+00 TO 58+07 LT AND STA 58+27 TO 59+35.60.
- 9) INSTALL PERMANENT OR TEMPORARY VEGETATION AS DIRECTED BY THE ENGINEER.

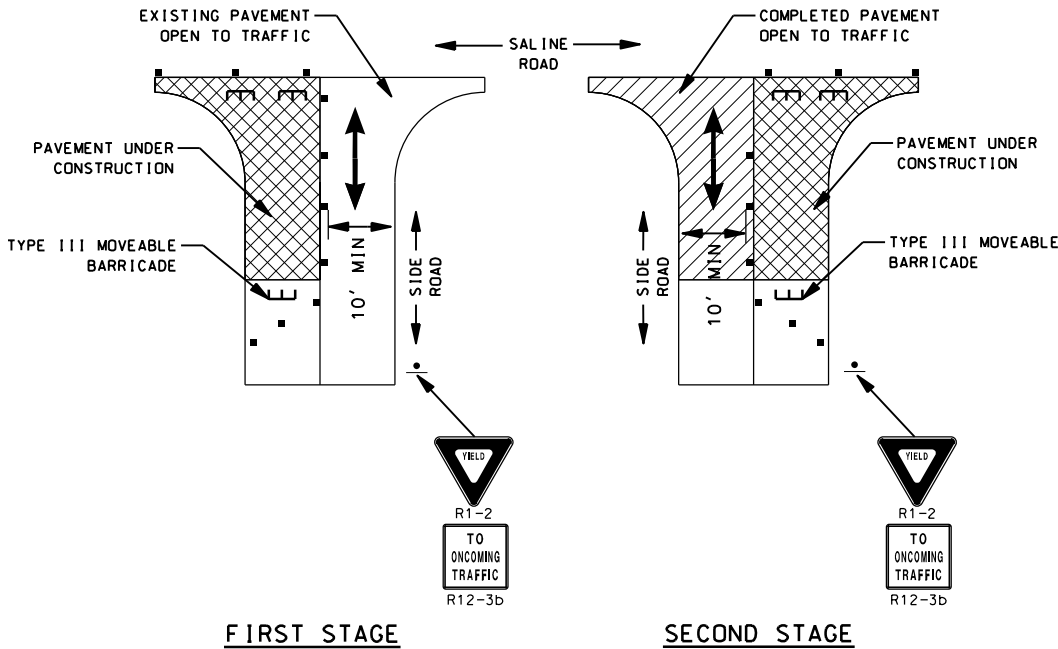
PHASE 3B

- 1) INSTALL EROSION CONTROL DEVICES AS SHOWN OR DIRECTED BY THE ENGINEER.
- 2) PERFORM GRADING FOR TEMPORARY PAVEMENT.
- 3) INSTALL TEMPORARY PAVEMENT AS SHOWN.
- 4) INSTALL TRAFFIC CONTROL DEVICES AND SHIFT TRAFFIC TO NEW LANE CONFIGURATION.
- 5) CONSTRUCT STORM SEWER PIPES AND STRUCTURES FROM:
GI 75 TO APPROX. 11 DOWNSTREAM OF GI 75
GI 90 TO FES 80
GI 89 TO APPROX. 8 FEET UPSTREAM OF GI 89
GI 88 TO APPROX. 8 FEET UPSTREAM OF GI 88
GI 87 TO APPROX. 8 FEET UPSTREAM OF GI 87
GI 86 TO APPROX. 8 FEET UPSTREAM OF GI 86
GI 85 TO APPROX. 8 FEET UPSTREAM OF GI 85
GI 84 TO APPROX. 8 FEET UPSTREAM OF GI 84
CI 91 TO GI 92
- 6) PERFORM REMOVALS AND EARTHWORK.
- 7) CONSTRUCT CURB AND GUTTERS BETWEEN 43+00 TO 59+35.60 RT; CONSTRUCT TYPE X BITUMINOUS CONCRETE BASE COURSE, SIDE STREET PAVEMENT, DRIVEWAYS, RETAINING WALLS, AND MISCELLANEOUS ITEMS AS SHOWN BETWEEN STA 43+50 TO 59+35.60 RT.
- 8) CONSTRUCT STONE BLUFF DRIVE (NORTH) AND STONE BLUFF DRIVE (SOUTH), KOHNEN ROAD, AND SILVER MAPLE PAVEMENT SO THAT TRAFFIC IS NOT INTERRUPTED. THE RECONSTRUCTION OF STONE BLUFF DRIVE (NORTH) AND STONE BLUFF (SOUTH) SHALL NOT OCCUR CONCURRENTLY.
- 9) INSTALL PERMANENT OR TEMPORARY VEGETATION AS DIRECTED BY THE ENGINEER.

PHASE 3C

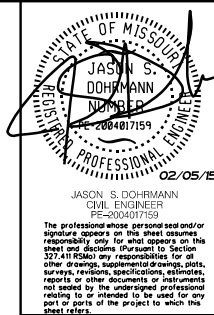
- 1) INSTALL TRAFFIC CONTROL DEVICES AND SHIFT TRAFFIC TO NEW LANE CONFIGURATION.
- 2) CONSTRUCT CURB AND GUTTERS BETWEEN TO STA 58+07 TO 58+23 LT; CONSTRUCT TYPE X BITUMINOUS CONCRETE BASE COURSE, AND MISCELLANEOUS ITEMS AS SHOWN BETWEEN STA 58+07 TO 58+27 LT.
- 3) INSTALL PERMANENT OR TEMPORARY VEGETATION AS DIRECTED BY THE ENGINEER.
- 4) CONSTRUCT TYPE C BITUMINOUS CONCRETE WEARING COURSE BETWEEN STA 42+85 TO 59+35.60 LT AND RT.
- 5) INSTALL PERMANENT PAVEMENT MARKINGS BETWEEN STA 42+85 TO 59+35.60 LT AND RT.

SIDE STREET STAGING DETAIL



FIRST STAGE

SECOND STAGE



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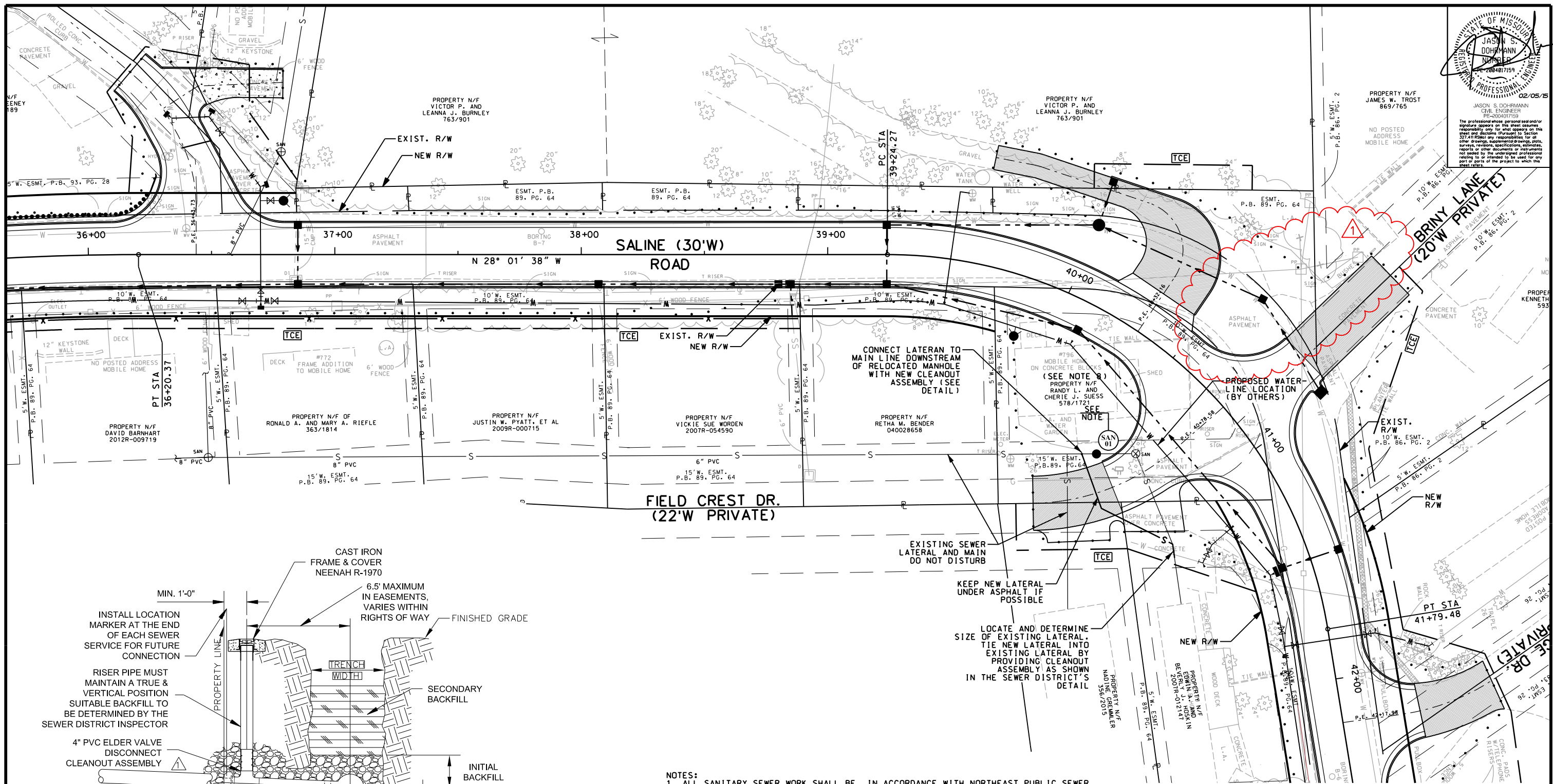
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SALINE ROAD IMPROVEMENTS-PHASE 1
COUNTY OF JEFFERSON, MISSOURI
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TRAFFIC CONTROL PLANS
PHASING NOTES AND DETAILS
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TCP-01
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STATE OF MISSOURI
JASON S. DOHRMANN
REGISTERED PROFESSIONAL ENGINEER
NO. 2084017159
02/05/15
JASON S. DOHRMANN
CIVIL ENGINEER
PE-2004017159
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TYPICAL SERVICE CONNECTION

NOTES:

1. ALL SANITARY SEWER WORK SHALL BE IN ACCORDANCE WITH NORTHEAST PUBLIC SEWER DISTRICT'S STANDARDS AND SPECIFICATIONS. THE CONTRACTOR SHALL CONTACT THE SEWER DISTRICT BEFORE BEGINNING THE SANITARY SEWER WORK.
2. SANITARY MANHOLE TO BE CONSTRUCTED OVER THE EXISTING SANITARY MAIN.
3. SANITARY SEWER TO BE A 42" DIAMETER MANHOLE MEETING THE SPECIFICATIONS OF THE NORTHEAST SEWER DISTRICT.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF THE EXISTING MAIN AND MANHOLE TO BE REMOVED AS A PART OF THIS WORK.
5. APPROXIMATE LOCATION OF THE NEW MANHOLE STA. 40+52.50' RT. HOWEVER, MANHOLE LOCATION WILL DEPEND ON ACTUAL FOUND LOCATION OF THE EXISTING LINE.
6. FOR THE PURPOSES OF ESTIMATING, A 4-INCH PVC LATERAL IS ASSUMED.
7. CLEANOUTS ARE CONSIDERED INCIDENTAL TO THE COST OF CONSTRUCTING THE LATERAL TIE-INS, AND NO SPECIFIC MEASUREMENT OR PAYMENT WILL BE MADE FOR THESE ITEMS.
8. THE BUILDING NOTED ON THE PLANS AS THE "SUESS" PROPERTY HAS BEEN REMOVED BY OTHERS, BUT THE ABANDONED HOUSE SEWER LATERAL HAS NOT BEEN VERIFIED AS BEING PROPERLY CAPPED. THE CONTRACTOR SHALL CONTACT THE SEWER DISTRICT TO DETERMINE THE APPROXIMATE LOCATION OF THIS HOUSE SEWER LATERAL AND EXCAVATE THIS LINE TO DETERMINE THE CONDITION OF THE OF THE "CAPPING". IF NEED BE, THE CONTRACTOR SHALL CAP THIS LATERAL PER THE DIRECTIONS OF THE SEWER DISTRICT. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE SANITARY SEWER MANHOLE.

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SALINE ROAD IMPROVEMENTS-PHASE 1
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SANITARY SEWER REVISIONS
MAINLINE ALIGNMENT
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SAN-01
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Saline Road Improvements – Phase 1
STP-5403 (642)

BIDDER'S FORMS

(Item A to be completed and turned in by all potential Bidders immediately after downloading bidding documents)

- A. Plan Holder Contact Information form

(Items below to be completed and turned in by the Contractor prior to Bid Opening)

- B. Notice to Contractor
- C. Bid Form **REVISED 3/2/15**
- D. Bid Bond
- E. Bidder's Acknowledgement
- F. Affidavit of Federal Employment Authorization
- G. DBE Submittal Forms
- H. Contractor to Enclose Bid Security
- I. Contractor to Enclose Certificate of Insurance

Name of Contractor: _____

Address: _____

Phone and Fax: _____

Note: Three copies of Items "B" through "I" above are to be filled in by the Contractor and turned in with the bid.

This project has Federal Funding so the following terms apply:

The prime contractor must be on MoDOT's approved contractor listing at least 7 days before the day of the bid opening in order for MoDOT to concur with the award of this project.

Only work performed by DBE subcontractors that appear on MoDOT's approved listing at the time of the bid opening will be applied towards calculating the DBE Goal.

DBE submittal forms shall be completed and submitted with the bid proposal or delivered by the low and second low bidder by 4:00 p.m. on the third working day after the bid opening date. Failure to deliver the completed DBE submittal forms will be cause for rejection of the low bid and the proposed guaranty will become the property of the Owner.

MoDOT will only concur with awarding the contract to a responsible bidder who has submitted the lowest, responsive bid. A responsive bid is one that meets all requirements of the advertisement and proposal, and "responsible" is defined as one who is physically organized and equipped with the financial wherewithal to undertake and complete the contract.

**** Prospective Bidders are to read and give special attention to Provision Numbers 37 & 38 found on pages GC-16 & GC-17 of the General Conditions pertaining to Federal Employment Authority and OSHA Training before bidding.**

PLAN HOLDER CONTACT INFORMATION

All potential bidders **must** complete this form and submit it to the Jefferson County email address listed below in order to provide contact information as required. All other plan holders may submit this form at their own option. Addendums will be posted on the county website. In the event of disruption of website services, all such information will be communicated to all registered plan holders.

Project:	
Plans & Specifications:	\$0.00 AVAILABLE ONLINE
Bid Opening Date:	
Estimate:	

Company Name*:	
Contact Name*:	
Address*:	
Phone*:	
Email*:	

*required information

Email this completed form to:	
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NOTICE TO CONTRACTORS

Sealed bids for the proposed work will be addressed and delivered to the office of The County Clerk, 729 Maple Street, Jefferson County Administration Center, Hillsboro, Missouri until 2:00 o'clock P.M. (CST) on **March 10, 2015**, and at that time will be publicly opened. All bids shall be submitted in triplicate in an opaque sealed envelope, marked with the Project title, name and address of the Bidder, and accompanied by the other required documents. Bids submitted via fax or electronic will be rejected. Late Bids will not be accepted and will be returned to the sender, unopened.

(1) **PROPOSED WORK:** The proposed work, hereinafter called the work, includes:

New pavement and base, curb and gutter, curb inlets, drainage structures, storm sewers, guardrail and retaining walls. Driveway modifications, pavement markings, erosion protection, traffic control will also be included in the project.

(2) **COMPLIANCE WITH CONTRACT PROVISIONS:** The bidder, having examined and being familiar with the local conditions affecting the work, and with the contract, contract documents, including the Missouri Highways and Transportation Commission's "Missouri Standard Specifications for Highway Construction, 2011," and "Missouri Standard Plans for Highway Construction, 2009" and Supplemental Revisions (if applicable), their revisions, and the request for bid, including appendices, the special provisions and plans, hereby proposes to furnish all labor, materials, equipment, services, etc., required for the performance and completion of the work. All references are to the Missouri Standard Specifications for Highway Construction, as revised, unless otherwise noted.

The following documents are available on the Missouri Department of Transportation web page at www.modot.mo.gov under "Business with MoDOT" "Standards and Specifications". The effective version shall be determined by the letting date of the project.

General Provisions & Supplemental Specifications

Supplemental Plans to October 2009 Missouri Std. Plans
For Highway Construction (if applicable)

These supplemental bidding documents contain all current revisions to the bound printed versions and have important legal consequences. It shall be conclusively presumed that they are in the bidder's possession, and they have been reviewed and used by the bidder in the preparation of any bid submitted on this project.

Please note that within the above-listed documents, the term "Commission" shall be replaced with the term, "County of Jefferson", and the term "Engineer" is a reference to the County Director of Public Works/Highway Engineer.

The contracting authority for this contract is **County of Jefferson**.

(3) **PERIOD OF PERFORMANCE:** If the bid is accepted, the bidder agrees that work shall be diligently prosecuted at such rate and in such manner as, in the judgment of the engineer, is necessary for the completion of the work within the time specified as follows in accordance with Sec 108:

Working Days: **200**

(4) **LIQUIDATED DAMAGES:** The bidder agrees that, should the bidder fail to complete the work in the time specified or such additional time as may be allowed by the engineer under the contract, the amount of liquidated damages to be recovered in accordance with Sec 108 shall be as follows:

Liquidated damages per day **\$ 1,225**

(5) **BID GUARANTY:** The bidder shall submit a Bid Guaranty meeting the requirements of Section 102 of the Missouri Standard Specifications for Highway Construction (if applicable). The project bid bond form is included in the bid book. The bidder shall mark the box below to identify the type of Bid Guaranty.

- ☐ Paper Bid Bond
- ☐ Cashier's Check

(6) **CERTIFICATIONS FOR FEDERAL JOBS:** By signing and submitting this bid, the bidder makes the certifications appearing in Sec. 102.18.1 (regarding affirmative action and equal opportunity), Sec. 102.18.2 (regarding disbarment, eligibility, indictments, convictions, or civil judgments), Sec. 102.18.3 (regarding anti-collusion), and Sec. 102.18.4 (regarding lobbying activities). Any necessary documentation is to accompany the bid submission, as required by these sections. As provided in Sec. 108.13, the contracting authority may terminate the contract for acts of misconduct, which includes but is not limited to fraud, dishonesty, and material misrepresentation or omission of fact within the bid submission.

(7) **ANTIDISCRIMINATION:** The Contracting Authority hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, businesses owned and controlled by socially and economically disadvantaged individuals will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, religion, creed, sex, age, ancestry, or national origin in consideration for an award.

(8) **FEDERAL AND STATE INSPECTION:** The Federal Government is participating in the cost of construction of this project. All applicable Federal laws, and the regulations made pursuant to such laws, shall be observed by the contractor, and the work will be subject to the inspection of the appropriate State or Federal Agency in the same manner as provided in Sec 105.10 of the Missouri Standard Specifications for Highway Construction with all revisions applicable to this bid and contract.

(9) **PREVAILING WAGE (FEDERAL AND STATE):** This contract requires payment of the prevailing hourly rate of wages for each craft or type of work required to execute the contract as determined by the Missouri Department of Labor and Industrial Relations, and requires adherence to a schedule of minimum wages as determined by the United States Department of Labor. For work performed anywhere on this project, the contractor and the contractor's subcontractors shall pay the higher of these two applicable wage rates. The applicable state wage rates for this contract are detailed in "**Annual Wage Order No. 21**", that is attached to this bidding document. The applicable federal wage rates for this contract are the effective Davis-Bacon federal wage rates posted the tenth day before the bid opening date and are attached herein.

These supplemental bidding documents have important legal consequences. It shall be conclusively presumed that they are in the bidder's possession, and they have been reviewed and used by the bidder in the preparation of any bid submitted on this project.

(10) **WORKER ELIGIBILITY REQUIREMENTS:** Execution of the construction contract for this project is dependent upon the awarded bidder providing an Affidavit of Compliance AND E-Verify Memorandum-of-Understanding (MOU) between the bidder and Department of Homeland Security to the Contracting Authority as required by section 285.530 RSMo. **The cover page and signature page of the E-Verify MOU and the Affidavit must be submitted with the bid.**

A sample Affidavit of Compliance can be found at the Missouri Attorney General's website at the following link:

http://ago.mo.gov/forms/Affidavit_of_Compliance.pdf

All bidders must also be enrolled in the E-Verify Program, and include their MOU prior to contract execution. Bidders who are not enrolled will need to go to the following website link and select "Enroll in the Program" to get started. After completing the program, they will receive their E-Verify MOU with Department of Homeland Security. This document will need to be printed out and kept on file so that a copy can be attached to the Affidavit of Compliance.

http://www.dhs.gov/files/programs/gc_1185221678150.shtm

This requirement also applies to subcontractors and contract labor, but this contract only requires submittal of the verification documents for the prime contractor. It is the prime contractor's responsibility to verify the worker eligibility of their subcontractors in order to protect their own company from liability as required by section 285.530 RSMo.

(11) OSHA TEN HOUR TRAINING REQUIREMENTS: Missouri Law, 292.675 RSMO, requires any awarded contractor and its subcontractor(s) to provide a ten-hour Occupational Safety and Health Administration (OSHA) Construction Safety Program (or a similar program approved by the Missouri Department of Labor and Industrial Relations as a qualified substitute) for their on-site employees (laborers, workmen, drivers, equipment operators, and craftsmen) who have not previously completed such a program and are directly engaged in actual construction of the improvement (or working at a nearby or adjacent facility used for construction of the improvement). The awarded contractor and its subcontractor(s) shall require all such employees to complete this ten-hour program, pursuant to 292.675 RSMO, unless they hold documentation on their prior completion of said program. Penalties, for Non-Compliance include contractor forfeiture to the Contracting Authority in the amount of \$2,500, plus \$100 per contractor and subcontractor employee for each calendar day such employee is employed beyond the elapsed time period for required program completion under 292.675 RSMO.

(12) BUY AMERICA REQUIREMENTS: Construction contracts shall assure compliance with Section 165 of the Surface Transportation Assistance Act of 1982, Section 337 of the Surface Transportation and Uniform Relocation Assistance Act of 1987, and 23 CFR 635.410 regarding Buy America provisions on the procurement of foreign products and materials. On all contracts involving Federal-aid, all products of iron, steel, or a coating of steel which are incorporated into the work must have been manufactured in the United States. The Contracting Authority may allow minimal amounts of these materials from foreign sources, provided the cost does not exceed 0.1 percent of the contract sum or \$2,500, whichever is greater. The Contractor certifies that these materials are of domestic origin. Additional information regarding the "Buy America" requirements can be found at:

<http://www.fhwa.dot.gov/programadmin/contracts/b-amquck.cfm>

(13) ADDENDUM ACKNOWLEDGEMENT: The undersigned states that all addenda (if applicable) have been received, acknowledged and incorporated into their bid, prior to submittal. For paper bids, staple addenda to the bid in the appropriate part of the bid.

(14) SIGNATURE AND IDENTITY OF BIDDER: The undersigned states that the following provided information is correct and that (if not signing with the intention to bind themselves to become the responsible and sole bidder) they are the agent of, and they are signing and executing this, as the bid of

_____, which is the correct LEGAL NAME as stated on the contractor questionnaire (if applicable).

a) The organization submitting this bid is a(n) (1) individual bidder, (2) partnership, (3) joint venturer (whether individuals or corporations, and whether doing business under a fictitious name), or (4) corporation. Indicate by marking the appropriate box below.

- ☐ sole individual ☐ partnership ☐ joint venture
- ☐ corporation, incorporated under laws of state of _____.

b) If the bidder is doing business under a fictitious name, indicate below by filling in the fictitious name

Executed by bidder this _____ day of _____ 20____.

THE BIDDER CERTIFIES THAT THE BIDDER AND ITS OFFICIALS, AGENTS, AND EMPLOYEES HAVE NEITHER DIRECTLY NOR INDIRECTLY ENTERED INTO ANY AGREEMENT, PARTICIPATED IN ANY COLLUSION, OR OTHERWISE TAKEN ANY ACTION IN RESTRAINT OF FREE COMPETITIVE BIDDING IN CONNECTION WITH THIS BID, AND THAT THE BIDDER INTENDS TO PERFORM THE WORK WITH ITS OWN BONAFIDE EMPLOYEES AND SUBCONTRACTORS, AND DID NOT BID FOR THE BENEFIT OF ANOTHER CONTRACTOR.

THE BIDDER ACKNOWLEDGES THAT THIS IS AN UNSWORN DECLARATION, EXECUTED UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE UNITED STATES AND/OR FALSE DECLARATION UNDER THE LAWS OF MISSOURI, AND ANY OTHER APPLICABLE STATE OR FEDERAL LAWS. THE FAILURE TO PROVIDE THIS CERTIFICATION IN THIS BID MAY MAKE THIS BID NON-RESPONSIVE, AND CAUSE IT TO BE REJECTED.

THE BIDDER CERTIFIES THAT THE BIDDER'S COMPANY KNOWINGLY EMPLOYS ONLY INDIVIDUALS WHO ARE AUTHORIZED TO WORK IN THE UNITED STATES IN ACCORDANCE WITH APPLICABLE FEDERAL AND STATE LAWS AND ALL PROVISIONS OF MISSOURI EXECUTIVE ORDER NO. 07-13 FOR CONTRACTS WITH THE CONTRACTING AUTHORITY.

- ☐ Check this box ONLY if the bidder REFUSES to make any or all of these certifications. The bidder may provide an explanation for the refusal(s) with this submittal.

Signature of Bidder's Owner, Officer, Partner or Authorized Agent

Please print or type name and title of person signing here

Attest:

Secretary of Corporation if Bidder is a Corporation

Affix Corporate Seal (If Bidder is a Corporation)

NOTE: If bidder is doing business under a fictitious name, the bid shall be executed in the legal name of the individual, partners, joint ventures, or corporation, and registration of fictitious name filed with the secretary of state, as required by sections 417.200 to 417.230 RSMo. If the bidder is a corporation not organized under the laws of Missouri, it shall procure a certificate of authority to do business in Missouri, as required by section 351.572 et seq RSMo. A certified copy of such registration of fictitious name or certificate of authority to do business in Missouri shall be filed with the Missouri Highways and Transportation Commission, as required by the standard specifications.

(15) **TRAINEES:** By submitting this bid, the bidder certifies that the bidder is familiar with the Training Provision in the Missouri Highways and Transportation Commission's "General Provisions and Supplement Specifications" which are available on the Missouri Department of Transportation web page at www.modot.mo.gov under "Business with MoDOT" "Standards and Specifications". The number of trainee hours provided under this contract will be **1 slots at 1000 hours per slot or 1000 hours.**

(16) **SUBCONTRACTOR DISCLOSURE:** Requirements contained within Sec 102.7.12 of the Missouri Standard Specification for Highway Construction shall be waived for this contract.

(17) **PROJECT AWARD:** This project will be awarded to the lowest, responsive, responsible bidder.

(18) **MATERIALS INSPECTION:** All technicians who perform, or are required by the FHWA to witness, such sampling and testing shall be deemed as qualified by virtue of successfully completing the requirements of EPG 106.18 Technician Certification Program, for that specific technical area.

(19) **PRIME CONTRACTOR REQUIREMENTS:** The limitation in Sec 108.1.1 of the Missouri Standard Specifications for Highway Construction that "the contractor's organization shall perform work amounting to not less than 40 percent of the total contract cost" is waived for this contract. Instead, the less restrictive terms of the Federal Highway Administration's rule at Title 23 Code of Federal Regulations (CFR) § 635.116(a) shall apply, so that the contractor must perform project work with its own organization equal to and not less than 30 percent of the total original contract price. Second-tier subcontracting will not be permitted on this contract. All other provisions in Sec 108.1.1 et seq. of the Missouri Standard Specifications for Highway Construction shall remain in full force and effect, and shall continue to govern the contractor and its subcontractors, in accordance with the provisions of Title 23 CFR § 635.116.

(20) **SALES AND USE TAX EXEMPTION:** County of Jefferson, a tax exempt entity, will furnish a Missouri Project Exemption Certificate as described in Section 144.062 RSMo to the awarded contractor who in turn may use the certificate to purchase materials for a specific project performed for the tax exempt entity. Only the materials and supplies incorporated or consumed during the construction of the project are exempt. The certificate will be issued to the contractor for a specific project for a defined period of time.

ITEMIZED BID: The bidder should complete the following section in accordance with Sec 102.7. The bidder proposes to furnish all labor, materials, equipment, services, etc. required for the performance and completion of the work, as follows:

BID FORM

TO: **JEFFERSON COUNTY, MISSOURI**
BID FOR: **SALINE ROAD IMPROVEMENTS PHASE 1**
FEDERAL PROJECT NO. STP-5403 (642)

1. The undersigned BIDDER proposes and agrees, if this BID is accepted, to enter into an Agreement with the County in the form included in the Contract Documents to complete all Work as specified or indicated in the Contract Documents for the Contract Price and within the Contract Time indicated in this Bid and in accordance with the Contract Documents.
2. BIDDER accepts all of the terms and conditions of the Instructions to Bidders. This Bid will remain open for sixty days after the day of Bid opening. BIDDER will sign the Agreement and submit all documents required within fifteen (15) days after the COUNTY'S Notice of Award.
3. In submitting this Bid, BIDDER represents, as more fully set forth in the Agreement, that:
 - (a) BIDDER has examined the site and locality where the Work is to be performed, the legal requirements (federal, state and local laws, ordinances, rules and regulations) and the conditions affecting cost, progress or performance of the Work and has made such independent investigations as BIDDER deems necessary; and
 - (b) This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; BIDDER has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; BIDDER has not solicited or induced any person, firm or a corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for himself any advantage over any other Bidder or over the County.
4. Bidder will complete project for the following unit prices. It is understood that the quantities given for the following bid items are not guaranteed by the Jefferson County Public Works Department and are used solely for the purpose of comparing bids and awarding the contract, and may or may not represent the actual quantities encountered on the job: and that the sum of quantities listed below, multiplied by the unit price shall constitute the gross sum bid.

BID ITEMS:

<i>Roadway Items</i>					
Pay Item No.	Description	Unit	Quantity	Unit Cost	Amount
201-20.10	Clearing and Grubbing	LS	1		
202-20.10	Removal of Improvements	LS	1		
203-10.00	Class A Excavation	CY	14,145		
203-20.00	Class C Excavation (Rock Benching)	CY	549		
203-60.00	Compacting Embankment	CY	1,436		
206-30.00	Class 3 Excavation	CY	3,624		
206-31.00	Class 3 Excavation in Rock	CY	1,543		
207-99.09	Linear Grading, Special	LF	1,000		
304-05.04	Type 5 Aggregate for Base (4 in. Thick)	SY	19,287		
310-60.03	Gravel Type A or Chat (C)	SY	294		
405-10.00	Temporary Pavement, 6-Inch Thick Asphalt	SY	1,246		
401-12.09	Bituminous Pavement Mixture PG64-22, (BP-1)	TON	1,712		
401-30.00	Bituminous Pavement Mixture PG64-22, (Base)	TON	6,802		
407-10.05	Tack Coat	Gal	710		
408-10.10	Prime-Liquid Asphalt RC 70 or MC 30	Gal	4,920		
502-11.06	Concrete Pavement (6" Non-Reinforced)	SY	468		
603-10.30	Adjust Water Service Valve and Box to Grade	EA	18		
603-10.31	Adjust Water Meter	EA	13		
* 202-99.03	Water Main Abandonment	LF	3,450		
604-05.08	8" Yard Inline Drain	EA	2		
604-12.01	Single Curb Inlet, Untrapped	EA	6		
604-14.04	Area Inlet, Single, Open 4 Sides, Untrapped	EA	1		
604-20.00	Remove and Replace Hydrant	EA	2		
604-20.10	Adjusting Manhole to Grade	EA	1		

*REVISED 3/2/15

Pay Item No.	Description	Unit	Quantity	Unit Cost	Amount
604-20.11	Miscellaneous (Pullboxes, Other)	EA	5		
604-80.06	Slotted Vane Drain	LF	90		
606-10.10	Guardrail, Type A	LF	572		
606-30.15	Type A Crashworthy End Treatment	EA	1		
606-66.10	End Anchor	EA	1		
607-10.10A	42" Chain Link Fence	LF	276		
697-10.10B	6' Wood Privacy Fence	LF	495		
607-10.10C	48" White Vinyl Privacy Fence	LF	72		
607-30.00	Walk Gate (Chain-Link)	EA	1		
607-50.00	Chain-Link Fence Retaining Wall	LF	82		
608-50.06	Paved Approach (6")	SY	1,105		
608-60.04	Concrete Sidewalk, 4 In.	SY	18		
608-70.00	Concrete Steps	SF	190		
609-10.10	Concrete Curb (6 In. Height and Under) Type S	LF	61		
609-10.52	Curb and Gutter Type B	LF	8,710		
609-20.12	Integral Curb (6 In. Height and Under) Type B	LF	32		
609-20.13	Integral Curb Type M	LF	47		
609-20.32	Concrete Curb Low Profile Type F	LF	76		
609-30.15	Asphalt Curb (4 Inch)	LF	75		
611-99.05	Rock Blanket Type 2	SY	92		
618-10.00	Mobilization	LS	1		
622-10.01	Coldmilling Bituminous Pavement for Removal of Surfacing (3 In. Thick or Less)	SY	233		
627-40.00	Contractor Furnished Surveying and Staking	LS	1		
712-35.00	Railings For Steps	LF	30		
720-10.00	Mechanically Stabilized Earth Wall Systems	SF	1,483		
720-99.04	Mechanically Stabilized Earth Wall Systems – Large Block	SF	2,282		
726-10.12	12 In. Pipe Group A	LF	232		

Pay Item No.	Description	Unit	Quantity	Unit Cost	Amount
726-10.15	15 In. Pipe Group A	LF	2,668		
726-10.18	18 In. Pipe Group A	LF	636		
726-10.24	24 In. Pipe Group A	LF	530		
726-10.36	36 In. Pipe Group A	LF	16		
726-11.15	Temporary 15" Corrugated Metal Pipe	LF	135		
726-54.04	4" Polyvinyl Chloride Pipe	LF	65		
726-54.08	8" Polyvinyl Chloride Pipe	LF	144		
731-00.42	Precast Concrete Manhole – 42 In.	EA	3		
731-10.42	Precast Concrete Drop Inlet 4 Ft X 2 Ft	FT	5		
731-99.02	Precast Drop Inlet with Grate and Frame	EA	52		
732-06.15A	15 In. or Allowed Substitute Group A Flared End Section	EA	3		
732-06.24A	24 In. or Allowed Substitute Group A Flared End Section	EA	3		
806-10.19	Silt Fence	LF	4,060		
806-10.25	Inlet Check	EA	58		
806-41.24	Type 5 Erosion Control Blanket	SY	1,142		
Subtotal=					

<i>Signing/Striping Items</i>					
Pay Item No.	Description	Unit	Quantity	Unit Cost	Amount
616-10.05	Construction Signs	SF	612		
616-10.28	Channelizer	EA	207		
616-10.31	Type III Moveable Barricade with Light	EA	13		
616-10.98	Changeable Message Sign, Contractor Furnished (Rental)	EA	4		
617-36.00D	Temporary Traffic Barrier, Contractor Furnished/Retained	LF	392		
620-60.00B	4 In. White Acrylic Waterborne Pavement Marking Paint	LF	15,530		
620-60.01B	4 In. Yellow Acrylic Waterborne Pavement Marking Paint	LF	15,720		

Pay Item No.	Description	Unit	Quantity	Unit Cost	Amount
620-61.24	Acrylic Waterborne Pavement Marking Paint, 24 In., White	LF	12		
903-50.10	Permanent Signing	SF	323		
Subtotal=					

<i>Landscaping Items</i>					
Pay Item No.	Description	Unit	Quantity	Unit Cost	Amount
604-10.00	Topsoil (4" Thick)	CY	1,090		
805-10.00A	Seeding – Cool Season Mixtures	ACRE	2.02		
Subtotal=					

PROJECT TOTAL = _____

NOTICE TO BIDDER- Bidders must complete the submitted section in its entirety.

5. BIDDER agrees that the work will be completed within **200 Working days** or the CONTRACTOR shall pay the COUNTY, not as a penalty but as **liquidated damages**, a sum equal to **One Thousand Two Hundred and Twenty-five Dollars (\$1,225.00)** for each day, as defined by Sec 108 of the 2011 Edition of the "Missouri Standard Specifications for Highway Construction", elapsing between the expiration of such time limit plus such extensions as may be necessary to cover contingencies beyond the CONTRACTOR'S control and the date of the full completion.

The County reserves the right to negotiate additional terms for the time of completion with the successful bidder.

5.1 **Acceptance of Provision for Asphalt Cement Price Index**: Bidder has the option to accept the following provision for Asphalt Cement Price Index, if applicable. The bidder must mark the box below if they choose to accept the provision. No price adjustments will be made, due to asphalt price changes, for bidders that do not accept this provision. This provision applies only to projects that have a quantity of asphalt wet ton mix pay items over 1000 tons.

☐ Asphalt Cement

Asphalt Cement Price Index adjustments will be made to the payments due the Contractor for any plant mix bituminous base, plant mix bituminous pavement, and plant mix bituminous surface leveling that contains PG64-22, PG70-22 or PG76-22 when it

has been determined that the monthly average price of PG64-22 for St. Louis, Missouri area has fluctuated from the monthly average price of the month the project was bid. The St. Louis, Missouri "Asphalt Price Index" will be obtained from MoDOT' website:

http://www.modot.mo.gov/business/contractor_resources/bid_opening_info/bidGenInfo.shtml

The monthly base price, established prior to the bid opening, shall apply to payment estimates for the following month.

The adjusted contract unit price will be applied to the actual amount of asphalt binder used by the Contractor for all asphalt items. The adjustment will be applied to projects that have a quantity of asphalt wet ton mix pay items over 1000 tons. The percentage of virgin asphalt as shown in the job mix formula, in accordance with Sec 401, Sec 403 and Sec 413, will be the basis for adjustments for any asphalt mix type placed on the project during the monthly index period. The effective asphalt obtained from the use of Recycled Asphalt Pavement (RAP) and/or Recycled Asphalt Shingles (RAS) will not be eligible for adjustment. The base price index for PG64-22 will be applied to the asphalt mix for mixes using PG64-22, PG70-22 or PG76-22.

Basis of Payment To determine the adjustment for any material specified in this provision the following formula will be used.

$$A = (B \times C) \times (D-E)$$

Where: A = Adjustment for mix placed during monthly average index period
B = Tons of Mix Placed during the monthly average index period
C = % of virgin asphalt binder as listed in the job mix formula in use
D = Asphalt Price Index, as published by MoDOT for the month prior to the month of mix placement (*Ex: if asphalt material placed in August, use Price Index listed for July*)
E = Asphalt Price Index, as published by MoDOT for the month prior to the letting (*Ex: if project bid in June, use Price Index listed for May*)

The engineer will make adjustment payments, as defined above, for the applicable work completed during each month except for projects on which the contractor is being charged liquidated damages, due to working beyond the project completion date, in accordance with Sec 108. In this case, the "D" value used for the price adjustment will be either the last "D" value prior to the date that liquidated damage assessment began or the current monthly "D" value, whichever is lower. If the contractor is being charged liquidated damages due to the contract being beyond the project completion date and the current months "D" value results in a deduction, then the current monthly "D" value will be used.

Optional This provision is optional. If the bidder wishes to be bound by this provision, the bidder shall execute the acceptance form in the Bid. Failure by the bidder to execute the acceptance form will be interpreted to mean election to not participate in the Asphalt Cement Price Index. If the Asphalt Cement Price Index is accepted, asphalt binder for the project will not be eligible for a material allowance as described in Sec 109.

6. Communications concerning this Bid shall be addressed to the following:

Address:

7. The terms used in this Bid which are defined in the General Conditions of the Construction Contract included as part of the Contract Documents have the meanings assigned to them in the General Conditions.

8. **CERTIFICATIONS FOR FEDERAL JOBS:** By signing and submitting this bid, the bidder makes the certifications appearing in Sec. 102.18.1 (regarding affirmative action and equal opportunity), Sec. 102.18.2 (regarding disbarment, eligibility, indictments, convictions, or civil judgments), Sec. 102.18.3 (regarding anti-collusion), and Sec. 102.18.4 (regarding lobbying activities). Any necessary documentation is to accompany the bid submission, as required by these sections. As provided in Sec. 108.13, the contracting authority may terminate the contract for acts of misconduct, which includes but is not limited to fraud, dishonesty, and material misrepresentation or omission of fact within the bid submission.

9. BIDDER has examined copies of all the Contract Documents and of the following addenda:

Date:

Number:

(receipts of all of which is hereby acknowledged) and also copies of the Bid Notice and the Instructions to Bidders:

SUBMITTED on _____, 20____

By _____
(Corporation Name)

(State of incorporation)

By _____
(Name of person authorized to sign) (Signature and typed)

(Title)

(Corporate Seal)

Attest _____
(Secretary) (Signature and typed)

Business address: _____

Phone No.: _____

BID BOND

Suitable bid security in the amount of:

(\$ _____) Dollars and equal to five (5%) percent as called for in the advertisement for bids which accompanies this proposal. This sum is to be forfeited to the County of Jefferson if the party or parties making the proposal fail to enter into a contract with the approved securities within fifteen (15) days after the Notice of Award has been made. The undersigned has examined the Plans and Specifications for the work to be done and has satisfied himself as to the work to be done and the conditions under which it must be carried out.

The Contractor shall commence work within three (3) days after the date of a written Notice to Proceed from the County and shall fully complete all work under this proposal within the scheduled time established by the Contract Documents. This proposal shall be equally binding to all heirs, administrators, executors, successors and assigns.

FIRM NAME _____

BY _____

TITLE _____

ATTEST _____

TITLE _____

ADDRESS _____

TELEPHONE _____

BIDDER'S ACKNOWLEDGMENT

(Complete and fill out all parts applicable, and strike out all parts not applicable)

STATE OF _____)
) SS.
COUNTY OF _____)

On this _____ day of _____ 20_____, before me appeared _____ to me personally known, who, being by me first duly sworn, did say that he executed the forgoing Proposal with full knowledge and understanding of all its terms and provisions and of the plans and specifications; that the correct legal name and address of the Bidder (including those of all partners or joint ventures) is fully and correctly set out above; that all statements made therein by or for the Bidder are true; and

(if a sole individual) acknowledged that he executed the same as his free act and deed.

(if a partnership or joint venture) acknowledged that he executed the same, with written authority from, and as the free act and deed of, all said partners or joint venturers.

(if a corporation) that he is the _____
(President or other agent)

of _____; that the above Proposal was signed and sealed in behalf of said corporation by authority of its board of directors; and he acknowledged said proposal to be the free act and deed of said corporation.

Witness my hand and seal at _____,
The day and year first above written.

(SEAL) _____
Notary Public

My commission expires _____ 20____

ANNUAL WORKER ELIGIBILITY VERIFICATION AFFIDAVIT

(for joint ventures, a separate affidavit is required for each business entity)

STATE OF _____)
) ss
COUNTY OF _____)

On the ____ day of _____, 20____, before me appeared _____, personally known to me or proved to me on the basis of satisfactory evidence to be a person whose name is subscribed to this affidavit, who being by me duly sworn, stated as follows:

• I, the Affiant, am of sound mind, capable of making this affidavit, and personally certify the facts herein stated, as required by Section 285.530, RSMo, to enter into any contract agreement with the state to perform any job, task, employment, labor, personal services, or any other activity for which compensation is provided, expected, or due, including but not limited to all activities conducted by business entities.

• I, the Affiant, am the _____ of _____, and I am duly authorized, directed, and/or empowered to act officially and properly on behalf of this business entity.

• I, the Affiant, hereby affirm and warrant that the aforementioned business entity is enrolled in a federal work authorization program operated by the United States Department of Homeland Security, and the aforementioned business entity shall participate in said program to verify the employment eligibility of newly hired employees working in connection with any services contracted by the Jefferson County. I have attached documentation to this affidavit to evidence enrollment/participation by the aforementioned business entity in a federal work authorization program, as required by Section 285.530, RSMo.

• I, the Affiant, also hereby affirm and warrant that the aforementioned business entity does not and shall not knowingly employ, in connection with any services contracted by Jefferson County, any alien who does not have the legal right or authorization under federal law to work in the United States, as defined in 8 U.S.C. § 1324a(h)(3).

• I, the Affiant, am aware and recognize that, unless certain contract and affidavit conditions are satisfied pursuant to Section 285.530, RSMo, the aforementioned business entity may be held liable under Sections 285.525 through 285.550, RSMo, for subcontractors that knowingly employ or continue to employ any unauthorized alien to work within the state of Missouri.

• I, the Affiant, acknowledge that I am signing this affidavit as a free act and deed of the aforementioned business entity and not under duress.

Affiant Signature

Subscribed and sworn to before me in _____, _____, the day and year first above-written.
city (or county) state

Notary Public

My commission expires:

[documentation of enrollment/participation in a federal work authorization program attached]

DBE Submittal Forms

(6) DBE Submittal Forms: This form must be submitted by 4 p.m. three (3) business days after bid opening.

(A) DBE Contract Goal: By submitting this bid, the bidder certifies that the bidder is familiar with the DBE Program Requirements in this contract. The contract DBE goal for the amount of work to be awarded is 14% of the total federal project price. The bidder shall also complete the DBE Submittal Form in accordance with the program requirements.

(B) DBE Participation: The bidder certifies that it will utilize DBE's as follows:

_____% OF TOTAL FEDERAL CONTRACT

NOTE: Bidder must fill in the above blank. If no percentage is specified, the bidder certifies that it agrees to, and will comply with the contract goal. If a percentage below the contract goal is specified, then the bidder must submit complete documentation of good faith efforts to meet the DBE contract goal, immediately below.

(C) Certification of Good Faith Efforts to Obtain DBE Participation: By submitting its signed bid, the bidder certifies under penalty of perjury and other provisions of law, that the bidder took each of the following steps to try to obtain sufficient DBE participation to achieve the Commission's proposed DBE Contract Goal: (Attach additional sheets if necessary).

[illegible]

DBE Submittal Forms

Identification of Participating DBEs: The information shown on this page must be completed. If this page is submitted but not signed, it will not be cause for rejection. The apparent low and second low bidder must file this form with the **Jefferson County Public Works Department, P.O. Box 100, Hillsboro, MO 63050** by 4:00 p.m. on the third working day after the bid opening. Fax or email transmittal is permitted. The fax number is **636-797-5565** and the email address for submittal is **JJonas@jeffcomo.org**. The original copy must be mailed by overnight mail to the Local Public Agency the day of the FAX or email transmittal. Contact External Civil Rights at (573) 751-7801 for questions or assistance in completion. (Note: Submittal of this form is not required if the Contract DBE Goal is 0%)

The undersigned submits the following list of DBEs to be used in accomplishing the work of this contract. The work, supplies or services, applicable value and percent of total federal contract each DBE is to perform or furnish is as follows:

(A) DBE Name & Address	(B) Bid Item numbers (Or Line numbers)	(C) \$ Value of DBE of Work ** (Unit Price x Quantity of each item in B, or Lump Sum)	(D) % Of \$ Value Applicable to DBE Goal ** (100%, 60%)	(E) \$ Amount Applicable to DBE Goal for each item (C x D)	(F) % Of Total Contract Amount for each item (E/Total Contract Amount)
1.					
		Total		Total	Total
2.					
		Total		Total	Total
3.					
		Total		Total	Total
4.					
		Total		Total	Total
Total DBE Participation					

** Cannot exceed contract amount for given item of work.

DBE Submittal

(A) DBE Name & Address	(B) Bid Item numbers	(C) \$ Value of DBE of Work ** (Unit Price x Quantity of each item in B, or Lump Sum)	(D) % Of \$ Value Applicable to DBE Goal ** (100%, 60%)	(E) \$ Amount Applicable to DBE Goal for each item (C x D)	(F) % Of Total Contract Amount for each item (E/Total Contract Amount)
Trucking Services Only used if the DBE owns the trucks or is leasing from a DBE firm			100%		
Trucking Services Trucks are leased from non-DBE source				Only Include <u>Fees</u> for Trucking Services	
Brokered Services				Only Include <u>Fees</u> for Brokered Services	
Totals (Page 1)					
Totals (Page 2)					
Totals (additional pages if needed)					
Total DBE Participation					

** Cannot exceed contract amount for given item of work.

Company: _____ Date: _____

By: _____ Title: _____