06-15-12 LETTING ITEM 071

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	1
MISSOURI STREET		HARRISBURG		
PROJECT TCSP-IL10(101)		JOB C-99-545-10		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED
FEDERAL AID URBAN SYSTEM

CITY OF HARRISBURG

MISSOURI STREET FAU 9562 (FROM WOOLCOTT STREET TO IL ROUTE 13)
SECTION 10-00087-00-PV
PROJECT TCSP-IL 10(101)
JOB C-99-545-10

FUNCTIONAL CLASS, COLLECTOR - URBAN
ADT (2011) = 950
DESIGN SPEED = 30 M.P.H.

INDEX OF SHEETS

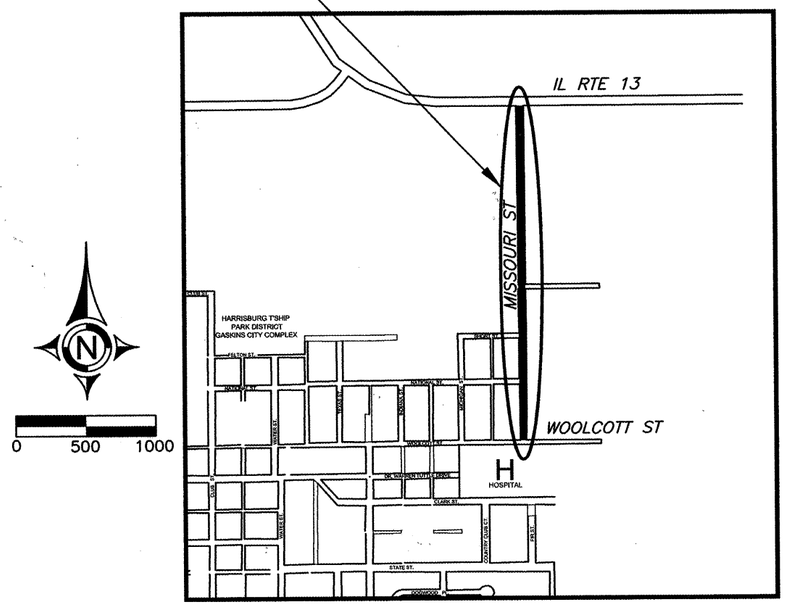
STANDARDS

000001–06	STANDARD SYMBOLS, ABBR, PATTERNS
001006	DECIMAL OF AN INCH AND FOOT
280001–06	TEMPORARY EROSION CONTROL
420001–07	PAVEMENT JOINTS
542301–03	P.R.C. FLARED END SECTIONS
602401–03	MANHOLE TYPE A
602601–02	P.R.C. FLAT TOP SLAB
602701–02	CAST IRON STEPS
604001–03	FRAME AND LID, TYPE 1
606001–04	COMB CONC CURB & GUTTER
701501–06	TRAFFIC CONTROL
701901–02	TRAFFIC CONTROL DEVICES
780001–03	PAVEMENT MARKINGS
BLR 14–10	PCC PAVEMENT
BLR 21–9	TRAFFIC CONTROL
BLR 22–7	TRAFFIC CONTROL

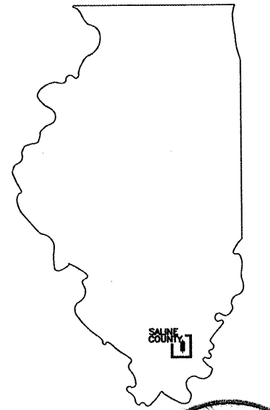
SCALES:
PROFILE HORIZONTAL 0 10 20
PROFILE VERTICAL 0 5 10
SECTIONS HORIZONTAL 0 5 10
SECTIONS VERTICAL 0 5 10

ALL EXISTING UTILITIES AND LOCATIONS TO BE CONFIRMED BY J.U.L.I.E. 800–892–0123

PROPOSED IMPROVEMENTS



LOCATION MAP
LENGTH OF IMPROVEMENTS= 2,362 FT. = 0.45 MI.



LOCATION OF SECTION AS HIGHLIGHTED THUS

REGISTERED PROFESSIONAL ENGINEER J.W. BROWN PRESIDENT 184-002518 ILLINOIS LAND SURVEY & PROFESSIONAL ENGINEERING CORPORATION

Jim W. Brown as President of Brown and Roberts, Inc. April 3, 2012
Illinois Professional Design Firm
Land Survey & Professional Engineering Corporation
Number 184-002518
Expires April 30, 2013

CITY OF HARRISBURG

APPROVED 4/4/2012 DATE
MAYOR, CITY OF HARRISBURG

PASSED 4/9/2012 DATE
DISTRICT 9 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW 4/9/2012 DATE
OMER OSMAN, P.E.
DEPUTY DIRECTOR OF HIGHWAYS
REGION FIVE ENGINEER

BROWN & ROBERTS, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
1 WESTRIDGE ROAD HARRISBURG, IL. 62946 (618) 252-8111

JOB NO. 10079

CONTRACT NO. 99462

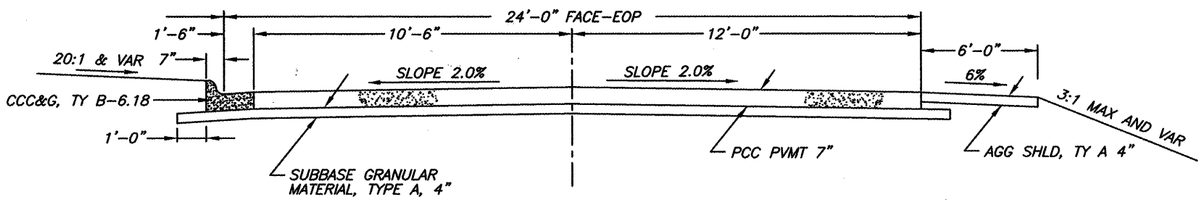
03 Apr 2012 – 9:16am X:\2010\10079\AC\Plans\01_10079 cover.dwg

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	2
MISSOURI STREET		HARRISBURG		
PROJECT TCSP-IL10(101)		JOB C-99-545-10		

SUMMARY OF QUANTITIES

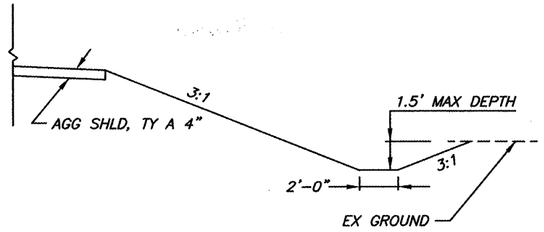
ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	1228
20400100	BORROW EXCAVATION	CU YD	13802
20800150	TRENCH BACKFILL	CU YD	250
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	170
28000305	TEMPORARY DITCH CHECKS	FOOT	120
28000400	PERIMETER EROSION BARRIER	FOOT	1025
28000500	INLET AND PIPE PROTECTION	EACH	19
28100205	STONE RIPRAP, CLASS A3	TON	33
31100100	SUBBASE GRANULAR MATERIAL, TYPE A	TON	1585
42000200	PORTLAND CEMENT CONCRETE PAVEMENT 7"	SQ YD	6545
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	646
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	63
48100300	AGGREGATE SHOULDERS, TYPE A 4"	SQ YD	1481
50105220	PIPE CULVERT REMOVAL	FOOT	423
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	58
542A1057	PIPE CULVERTS, CLASS A, TYPE 2 12"	FOOT	64
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 12"	EACH	16
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	583
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	36
550B0050	STORM SEWERS, CLASS B, TYPE 1 12"	FOOT	214
550B0340	STORM SEWERS, CLASS B, TYPE 2 12"	FOOT	370
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
67100100	MOBILIZATION	L SUM	1
△ 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	3161
△ 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	54
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	2301
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	1.7
X6024240	INLETS, SPECIAL	EACH	15
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	1

△ SPECIALTY ITEMS



TYPICAL ROADWAY SECTION

NO SCALE



TYPICAL DITCH SECTION

STA 11+75 TO STA 17+25

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	3
MISSOURI STREET		HARRISBURG		
PROJECT TCSP-IL10(101)		JOB C-99-545-10		

DRAINAGE STRUCTURE SCHEDULE

1 STA 1+15.00, 11.58' LT
INLET, SPECIAL
EOP EL = 397.13
INV EL = 394.36 (TO 2)

2 STA 3+65.00, 11.58' LT
INLET, SPECIAL
EOP EL = 378.94
INV EL = 375.67 (FROM 1)
INV EL = 375.57 (TO 3)

3 STA 4+90.00, 11.58' LT
INLET, SPECIAL
EOP EL = 374.42
INV EL = 371.65 (FROM 2)
INV EL = 371.45 (TO 4)

4 STA 5+06.56, 27.78' RT
PRECAST REINFORCED
CONCRETE FLARED END
SECTION, 12"
INV EL = 368.30 (FROM 3)

5 STA 5+80.00, 11.58' LT
INLET, SPECIAL
EOP EL = 373.60
INV EL = 370.83 (TO 6)

6 STA 5+80.00, 31.49' RT
PRECAST REINFORCED
CONCRETE FLARED END
SECTION, 12"
INV EL = 369.55 (FROM 5)

7 STA 7+00.00, 11.58' LT
INLET, SPECIAL
EOP EL = 373.05
INV EL = 370.28 (TO 8)

8 STA 7+18.84, 31.00' RT
PRECAST REINFORCED
CONCRETE FLARED END
SECTION, 12"
INV EL = 369.35 (FROM 7)

9 STA 8+87.74, 26.00' RT
PRECAST REINFORCED
CONCRETE FLARED END
SECTION, 12"
INV EL = 367.50 (TO 10)

10 STA 9+16.91, 26.00' RT
PRECAST REINFORCED
CONCRETE FLARED END
SECTION, 12"
INV EL = 367.20 (FROM 9)

11 STA 10+22.14, 29.03' RT
PRECAST REINFORCED
CONCRETE FLARED END
SECTION, 12"
INV EL = 364.00 (TO 17)

12 STA 9+50.00, 11.58' LT
INLET, SPECIAL
EOP EL = 369.44
INV EL = 366.67 (TO 13)

13 STA 10+85.00, 11.58' LT
INLET, SPECIAL
EOP EL = 367.89
INV EL = 365.12 (FROM 12)
INV EL = 365.02 (TO 14)

14 STA 11+27.00, 11.58' LT
INLET, SPECIAL
EOP EL = 367.80
INV EL = 364.62 (FROM 13)
INV EL = 364.52 (TO 15)

15 STA 11+42.00, 11.58' LT
INLET, SPECIAL
EOP EL = 367.81
INV EL = 364.32 (FROM 14)
INV EL = 364.85 (FROM 16)
INV EL = 364.12 (TO 17)

16 STA 11+75.00, 11.58' LT
INLET, SPECIAL
EOP EL = 367.92
INV EL = 365.15 (TO 15)

17 STA 11+60.00, 25.00' RT
MANHOLE, TYPE A,
4' DIAMETER,
TYPE 1 FRAME,
CLOSED LID
LID EL = 365.50
INV EL = 362.00 (FROM 15)
INV EL = 361.50 (FROM 11)
INV EL = 361.30 (TO 18)

18 STA 11+73.90, 32.69' RT
PRECAST REINFORCED
CONCRETE FLARED END
SECTION, 12"
INV EL = 360.00 (FROM 17)

19 STA 11+90.17, 41.53' RT
PRECAST REINFORCED
CONCRETE FLARED END
SECTION, 12"
INV EL = 359.02 (TO 20)

20 STA 12+65.32, 48.48' RT
PRECAST REINFORCED
CONCRETE FLARED END
SECTION, 12"
INV EL = 358.12 (FROM 19)

21 STA 13+30.00, 11.58' LT
INLET, SPECIAL
EOP EL = 368.69
INV EL = 365.92 (TO 22)

22 STA 13+30.00, 50.49' RT
PRECAST REINFORCED
CONCRETE FLARED END
SECTION, 12"
INV EL = 357.70 (FROM 21)

23 STA 13+63.26, 52.00' RT
PRECAST REINFORCED
CONCRETE FLARED END
SECTION, 12"
INV EL = 357.42 (TO 24)

24 STA 14+17.36, 54.19' RT
PRECAST REINFORCED
CONCRETE FLARED END
SECTION, 12"
INV EL = 356.97 (FROM 23)

25 STA 14+95.00, 11.58' LT
INLET, SPECIAL
EOP EL = 369.52
INV EL = 366.75 (TO 26)

26 STA 14+95.00, 56.49' RT
PRECAST REINFORCED
CONCRETE FLARED END
SECTION, 12"
INV EL = 356.50 (FROM 25)

27 STA 16+70.00, 11.58' LT
INLET, SPECIAL
EOP EL = 370.71
INV EL = 367.94 (TO 28)

28 STA 16+70.00, 62.49' RT
PRECAST REINFORCED
CONCRETE FLARED END
SECTION, 12"
INV EL = 355.85 (FROM 27)

29 STA 19+05.00, 11.58' LT
INLET, SPECIAL
EOP EL = 372.97
INV EL = 370.20 (TO 30)

30 STA 19+05.00, 66.49' RT
PRECAST REINFORCED
CONCRETE FLARED END
SECTION, 12"
INV EL = 356.70 (FROM 29)

31 STA 21+55.00, 11.58' LT
INLET, SPECIAL
EOP EL = 375.38
INV EL = 372.61 (TO 32)

32 STA 21+55.00, 73.49' RT
PRECAST REINFORCED
CONCRETE FLARED END
SECTION, 12"
INV EL = 356.90 (FROM 31)

CULVERT SCHEDULE

LOCATION		LENGTH	DIAMETER	SLOPE	CLASS	TYPE	TRENCH BACKFILL
FROM STATION	TO STATION	(FT)	(IN)	(%)			(CU YD)
9 - STA 8+87.74, 26.00' RT	10 - STA 9+16.91, 26.00' RT	16	12	1.07	A	1	2.6
19 - STA 11+90.17, 41.53' RT	20 - STA 12+65.32, 48.48' RT	64	12	1.18	A	2	34.8
23 - STA 13+63.26, 52.00' RT	24 - STA 14+17.36, 54.19' RT	42	12	0.83	A	1	7.4
					TOTAL =		45

STORM SEWER SCHEDULE

LOCATION		LENGTH	DIAMETER	SLOPE	CLASS	TYPE	TRENCH BACKFILL
FROM STATION	TO STATION	(FT)	(IN)	(%)			(CU YD)
1 - STA 1+15.00, 11.58' LT	2 - STA 3+65.00, 11.58' LT	247	12	7.57	A	1	35.9
2 - STA 3+65.00, 11.58' LT	3 - STA 4+90.00, 11.58' LT	122	12	3.21	A	1	17.7
3 - STA 4+90.00, 11.58' LT	4 - STA 5+06.56, 27.78' RT	36	12	7.49	A	2	7.9
5 - STA 5+80.00, 11.58' LT	6 - STA 5+80.00, 31.49' RT	36	12	3.04	A	1	5.8
7 - STA 7+00.00, 11.58' LT	8 - STA 7+18.84, 31.00' RT	40	12	2.02	A	1	4.9
12 - STA 9+50.00, 11.58' LT	13 - STA 10+85.00, 11.58' LT	133	12	1.17	B	1	19.3
13 - STA 10+85.00, 11.58' LT	14 - STA 11+27.00, 11.58' LT	39	12	1.03	B	1	5.7
14 - STA 11+27.00, 11.58' LT	15 - STA 11+42.00, 11.58' LT	12	12	1.67	B	1	1.7
16 - STA 11+75.00, 11.58' LT	15 - STA 11+42.00, 11.58' LT	30	12	1.00	B	1	4.4
15 - STA 11+42.00, 11.58' LT	17 - STA 11+60.00, 25.00' RT	38	12	5.55	B	2	12.5
11 - STA 10+22.14, 29.03' RT	17 - STA 11+60.00, 25.00' RT	130	12	1.84	A	1	2.6
17 - STA 11+60.00, 25.00' RT	18 - STA 11+73.90, 32.69' RT	8	12	9.24	A	1	
21 - STA 13+30.00, 11.58' LT	22 - STA 13+30.00, 50.49' RT	55	12	13.46	B	2	8.7
25 - STA 14+95.00, 11.58' LT	26 - STA 14+95.00, 56.49' RT	61	12	15.28	B	2	9.4
27 - STA 16+70.00, 11.58' LT	28 - STA 16+70.00, 62.49' RT	67	12	16.55	B	2	9.7
29 - STA 19+05.00, 11.58' LT	30 - STA 19+05.00, 66.49' RT	71	12	17.52	B	2	10.0
31 - STA 21+55.00, 11.58' LT	32 - STA 21+55.00, 73.49' RT	78	12	18.68	B	2	10.6
					TOTAL =		167

STORM SEWER AND CULVERT NOTES:
1. ALL OFFSETS TO MANHOLES AND INLETS ARE TO THE CENTER OF THE STRUCTURE.
2. ALL OFFSETS AND INVERTS FOR FLARED END SECTIONS ARE AT THE END OF THE END SECTION.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	4
MISSOURI STREET		HARRISBURG		
PROJECT TCSP-IL10(101)		JOB C-99-545-10		

PCC PAVEMENT SCHEDULE

LOCATION	PORTLAND CEMENT CONCRETE PAVEMENT 7" (SQ YD)	SUBBASE GRANULAR MATERIAL, TYPE A (TON)	AGGREGATE SHOULDERS, TYPE A 4" (SQ YD)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (FOOT)
MISSOURI STREET				
STA 0+43.84 LT TO STA 4+59.20 LT				426
STA 0+44.53 TO STA 24+06.54	6414	1585		
STA 0+46.51 RT TO STA 4+48.00 RT			273	
STA 4+71.20 LT TO STA 7+92.26 LT				352
STA 4+84.00 RT TO STA 7+81.73 RT			196	
STA 8+01.34 RT TO STA 8+89.09 RT			54	
STA 8+06.01 LT TO STA 23+07.19 LT				1523
STA 9+15.56 RT TO STA 10+27.11 RT			70	
STA 10+49.11 RT TO STA 11+79.05 RT			81	
STA 12+49.36 RT TO STA 13+83.26 RT			84	
STA 14+41.04 RT TO STA 23+97.02 RT			652	
STA 23+07.19 LT TO STA 23+96.85 LT			71	
STA 23+96.85 LT TO STA 24+05.37 LT (IL RTE 13 SHLD)	22			
STA 23+97.02 RT TO STA 24+05.70 RT (IL RTE 13 SHLD)	32			
TOTALS	6468	1585	1481	2301

RIPRAP SCHEDULE

LOCATION	STONE RIPRAP, CLASS A3 (TON)
MISSOURI STREET	
STA 5+06.56 RT	4.0
STA 5+80.00 RT	4.0
STA 7+18.84 RT	4.0
STA 11+73.90 RT	4.0
STA 13+30.00 RT	3.3
STA 14+95.00 RT	3.3
STA 16+70.00 RT	3.3
STA 19+05.00 RT	3.3
STA 21+55.00 RT	3.3
TOTALS	33

TEMPORARY EROSION CONTROL SCHEDULE

LOCATION	PERIMETER EROSION BARRIER (FOOT)	INLET AND PIPE PROTECTION (EACH)	TEMPORARY DITCH CHECKS (FOOT)
MISSOURI STREET			
STA 0+75 RT TO STA 4+50 RT	375		
STA 1+15 LT		1	
STA 3+65 LT		1	
STA 4+90 LT		1	
STA 5+00 RT TO STA 7+20 RT (3 @ 10' EACH)			30
STA 5+80 LT		1	
STA 7+00 LT		1	
STA 8+10 RT TO STA 10+20 RT (5 @ 10' EACH)			50
STA 8+87.74 RT		1	
STA 9+50 LT		1	
STA 10+22.14 RT		1	
STA 10+50 RT TO STA 11+50 RT	100		
STA 10+85 LT		1	
STA 11+27 LT		1	
STA 11+42 LT		1	
STA 11+75 LT		1	
STA 11+90.17 RT		1	
STA 12+70 RT TO STA 18+50 RT (4 @ 10' EACH)			40
STA 13+30 LT		1	
STA 13+63.26 RT		1	
STA 14+95 LT		1	
STA 16+70 LT		1	
STA 18+50 RT TO STA 24+00 RT	550		
STA 19+05 LT		1	
STA 21+55 LT		1	
TOTALS	1025	19	120

PAVEMENT MARKING SCHEDULE

LOCATION	PAINT PAVEMENT MARKING - LINE 4" (FOOT)	PAINT PAVEMENT MARKING - LINE 12" (FOOT)
STA 0+44.53 TO STA 24+06.54 (SKIP DASH)	590	
STA 0+44.53 RT TO STA 24+06.54 RT (EDGE LINE)	2432	
STA 23+07.19 LT TO STA 24+06.54 LT (EDGE LINE)	139	
STA 0+70 LT (STOP BAR)		11
STA 4+60 LT (NATIONAL STREET STOP BAR)		6
STA 7+95 LT (SHORT STREET STOP BAR)		7
STA 23+65 RT (STOP BAR)		30
TOTALS	3161	54

REMOVAL SCHEDULE

LOCATION	PIPE CULVERT REMOVAL (FOOT)	TRENCH BACKFILL (CU YD)
MISSOURI STREET		
STA 1+16 LT TO STA 1+57 LT	42	3.6
STA 4+19 LT TO STA 5+07 RT	101	14.0
STA 5+45 LT TO STA 5+76 RT	53	9.1
STA 7+75 RT TO STA 8+15 RT	40	3.0
STA 10+28 RT TO STA 10+48 RT	20	2.7
STA 11+85 RT TO STA 12+25 RT	40	5.4
STA 14+05 RT TO STA 14+34 RT	30	
STA 15+54 RT	33	
STA 16+14 RT TO STA 16+45 RT	31	
STA 17+35 RT	33	
TOTALS	423	38

NOTE:
DRIVEWAY PAVEMENT REMOVAL IS SHOWN ON DRIVEWAY ENTRANCE DETAIL SHEET.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	5
MISSOURI STREET		HARRISBURG		
PROJECT TCSP-IL10(101)		JOB C-99-545-10		

STORM WATER POLLUTION PREVENTION PLAN

The following Plan is established and incorporated in the project to direct the Contractor in the placement of temporary erosion control systems and to provide a storm water pollution prevention plan for compliance under NPDES.

The purpose of this plan is to minimize erosion within the construction site and to limit sediments leaving the construction site by utilizing proper temporary erosion control systems and providing ground cover within a reasonable amount of time.

Certain erosion control facilities shall be installed by the Contractor at the beginning of construction. Other items shall be installed as directed by the Engineer on a case by case situation depending on the Contractor's sequence of activities, time of year and expected weather conditions.

The Contractor shall construct permanent erosion control systems and seeding within a time frame specified herein and as directed by the Engineer, therefore minimizing the amount of area susceptible to erosion and reducing the amount of temporary seeding. The engineer will determine if any temporary erosion control systems shown in the plans can be deleted and if any additional temporary erosion control systems, which are not included in the plans, shall be added. The contractor shall perform all work as directed by the Engineer and as shown in STANDARD 280001.

Section 280, Temporary Erosion Control, of the Standard Specifications additionally supplements this plan.

INTENDED SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES

1. Isolated tree removal. Trees to remain will be protected against damage.

2. Storm Sewers and Drainage Structures.

3. Excavation and grading.

4. Placement of Aggregate Base Course.

5. Placement of PCC Pavement.

6. Seeding and permanent erosion control systems.

AREA OF CONSTRUCTION SITE

1. The total area of the construction site is estimated to be 3.6 Acres of which approximately 3.6 Acres will be disturbed.

OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE SWPPP AS REFERENCED DOCUMENTS.

1. Information of the terrain was obtained from topographic maps.

2. Project plan documents, specifications and special provisions and plan drawings indicating the drainage patterns and location of existing drainage features were utilized in the preparation of the proposed placement of temporary erosion control systems.

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF

1. Proposed storm sewers are tributary to existing discharge points. No new discharge points will be constructed.

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROLS

1. Existing vegetation will be preserved where attainable and disturbed portions of the site will be stabilized. Stabilization practices will include temporary seeding, permanent seeding, mulching, protection of trees, preservation of mature vegetation and other appropriate measures as directed by the Engineer. Stabilization measures shall be initiated as soon as practical in those areas of the site where construction activities have ceased, but in no case more than 7 days after the construction activity for an area has temporarily or permanently ceased.

2. Areas outside the construction limits shall be protected from construction activities.

3. Dead, diseased or unsuitable vegetation within the site shall be removed as directed by the Engineer.

4. As soon as is reasonable, the temporary erosion control system shall be installed as indicated in the plans or as directed by the engineer.

This plan has been prepared with the intent to comply with the provisions of the NPDES Permit Number ILR10, issued by the Illinois Environmental Protection Agency for storm water discharges from construction site activities.

I certify under penalty of law that this plan was prepared at my direction in accordance with a system that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

4/4/2012

Mayor Pro Tem — Date

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	6
MISSOURI STREET		HARRISBURG		
PROJECT TCSP-IL10(101)		JOB C-99-545-10		

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION

1. During construction, areas outside the construction limits shall be protected.

2. Within the construction limits, areas which may be susceptible to erosion as determined by the Engineer shall remain undisturbed until full scale construction is underway.

3. Earth stockpiles shall be temporary seeded if they are to remain unused for more than 14 days.

4. As soon as construction proceeds, the contractor shall institute the following as directed by the Engineer:

A) Place temporary erosion control facilities at locations shown in the plans.

B) Temporarily seed erodable bare earth on a weekly basis to minimize the amount of erodable surface area within the contract limits.

C) Provide temporary erosion control systems.

D) Temporarily divert water around proposed culvert locations.

5. Excavated areas shall be permanently seeded immediately after final grading. If not, they shall be temporarily seeded if no construction in the area is planned for 7 days.

6. All necessary measures shall be taken by the contractor to contain any fuel or pollutant in accordance with EPA water quality regulations. Leaking equipment or supplies shall be immediately repaired or removed from the site.

7. The Resident Engineer shall inspect the project daily during construction activities. Inspection shall also be done weekly and after rains of 0.5 inches or greater or equivalent snowfall and during any winter shutdown period.

8. Sediment collected during the construction by the various temporary erosion control systems shall be disposed of on site on a regular basis as directed by the Resident Engineer. The cost of this maintenance shall be considered incidental to the erosion control system.

9. The temporary erosion control systems shall be removed as directed by the Engineer after use is no longer needed or no longer functioning. The cost of removal shall be included in the unit bid price for various temporary erosion control pay items.

DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING

1. Temporary seeding shall be left in place with proper maintenance until permanent erosion control and all proposed turf areas seeded and established.

2. Once permanent erosion control systems as proposed in the plans are functional and established, temporary items shall be removed, cleaned up and disturbed turf areas reseeded.

MAINTENANCE AFTER CONSTRUCTION

1. Construction is complete after FINAL acceptance by I.D.O.T. final inspection. Maintenance up to this date will be by the contractor.

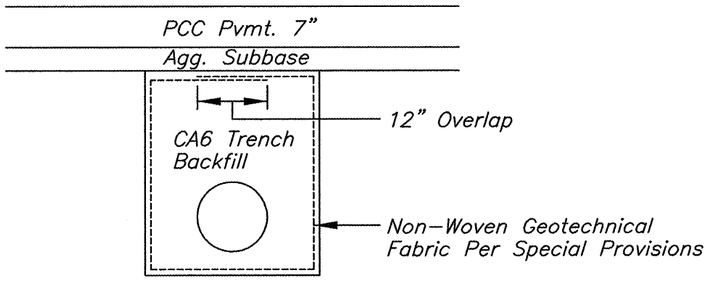
MISCELLANEOUS

1. Temporary erosion control seeding shall be applied at the rate of 100 lbs/acre.

2. All erosion control products furnished shall be specifically recommended by the manufacturer for the use specified in the erosion control plan. Prior to the approval and use of the product, the contractor shall submit to the Engineer a notarized certification by the producer stating the intended use of the product and the physical properties required for this application are met or exceeded. The contractor shall provide manufacturer installation procedures to facilitate the Engineer in construction inspection.

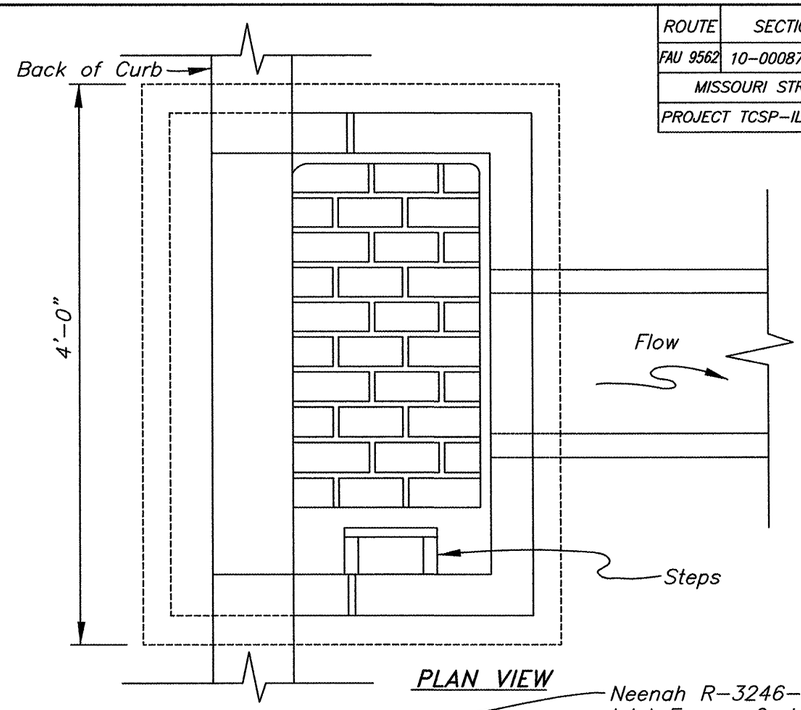
3. All items shall be constructed as shown on STANDARD 280001 and as directed by the Engineer. Maintenance and cleaning of erosion control items shall be considered part of the respective erosion control pay item.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	7
MISSOURI STREET		HARRISBURG		
PROJECT TCSP-IL10(101)		JOB C-99-545-10		

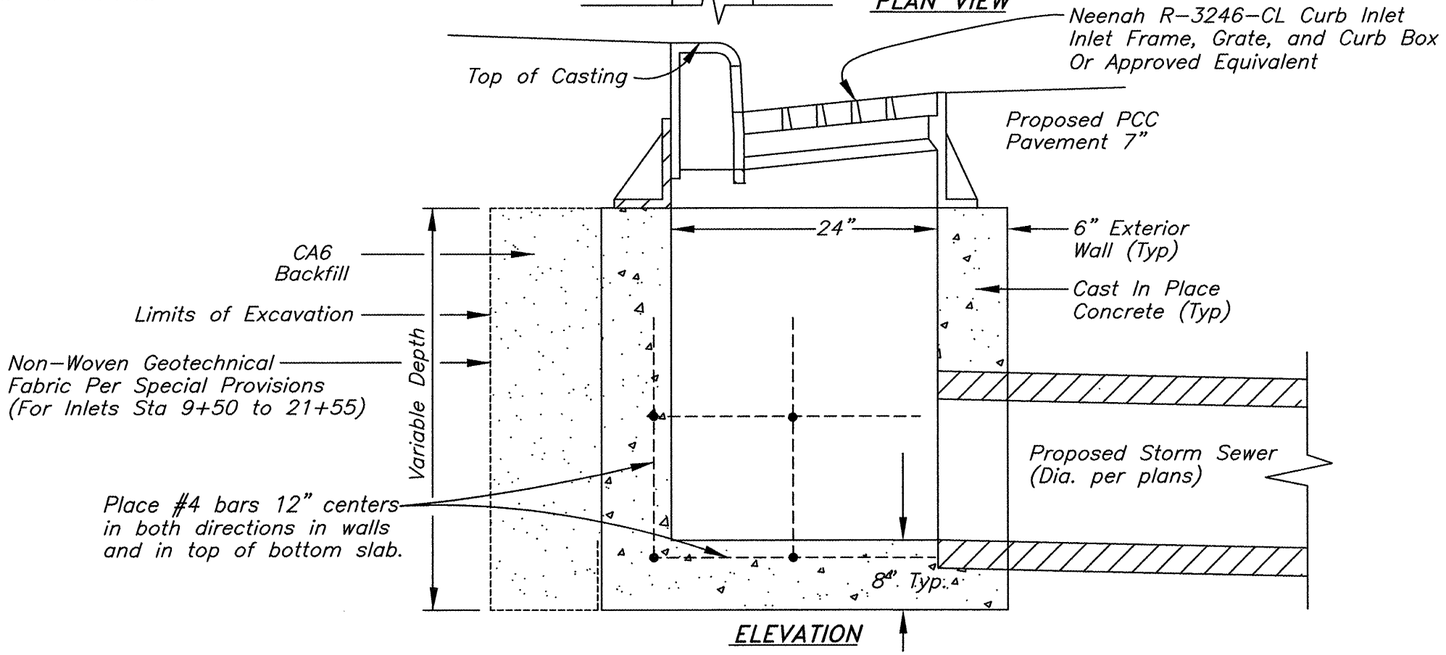


TYPICAL TRENCH BACKFILL DETAIL

ALL STORM SEWER PIPES STA 9+50 TO 21+55



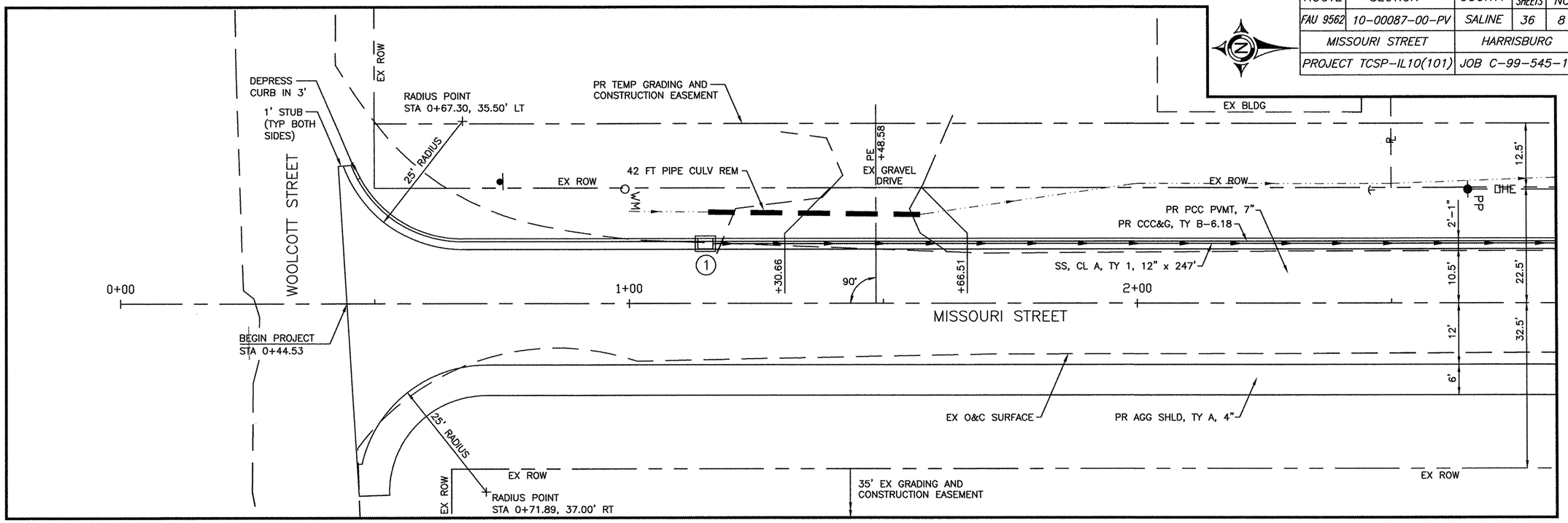
PLAN VIEW

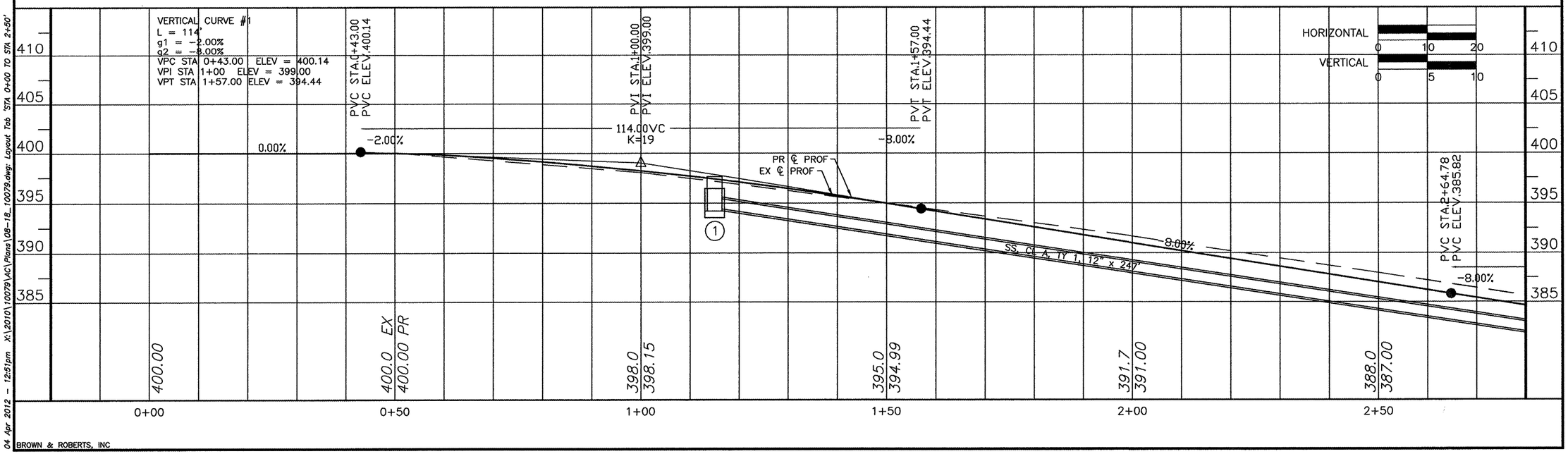


ELEVATION

DETAIL - INLETS, SPECIAL

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	8
MISSOURI STREET		HARRISBURG		
PROJECT TCSP-IL10(101)		JOB C-99-545-10		





ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	9
MISSOURI STREET		HARRISBURG		
PROJECT TCSP-IL10(101)		JOB C-99-545-10		

PR TEMP GRADING AND CONSTRUCTION EASEMENT

EX ROW

12.5'

2'-1"

10.5'

12'

6'

22.5'

32.5'

PR PCC PVMT, 7"

PR CCC&G, TY B-6.18

SS, CL A, TY 1, 12" x 247'

3+00

4+00

MISSOURI STREET

EX O&C SURFACE

PR AGG SHLD, TY A, 4"

RADIUS POINT
STA 4+44.20, 25.50' LT

SS, CL A, TY 1, 12" x 122'

101 FT PIPE CULV REM

EX ROW

+43.00

+65.20

+89.00

+66.00

12'

DEPRESS CURB IN 3'
(TYP BOTH SIDES)

RADIUS POINT
STA 4+86.20, 25.50' LT

15' RAD

EX O&C ROAD

25.5'

90°

90°

5+00

SS, CL A, TY 2,
12" x 36'

EX O&C DRIVE

35' EX GRADING AND CONSTRUCTION EASEMENT

25' EX GRADING AND CONSTRUCTION EASEMENT

VERTICAL CURVE #2
L = 280'
g2 = -8.00%
g3 = -0.46%
VPC STA 2+64.78 ELEV = 385.82
VPI STA 4+04.78 ELEV = 374.62
VPT STA 5+44.78 ELEV = 373.98

PVC STA 2+64.78
PVC ELEV 385.82

PVI STA 4+04.78
PVI ELEV 374.62

280.00VC
K=37

-8.00%

PR ℄ PROF
EX ℄ PROF

HORIZONTAL 0 10 20

VERTICAL 0 5 10

395 390 385 380 375 370

388.0 EX
387.00 PR

384.1
383.17

380.4
379.98

377.3
377.46

375.3
375.62

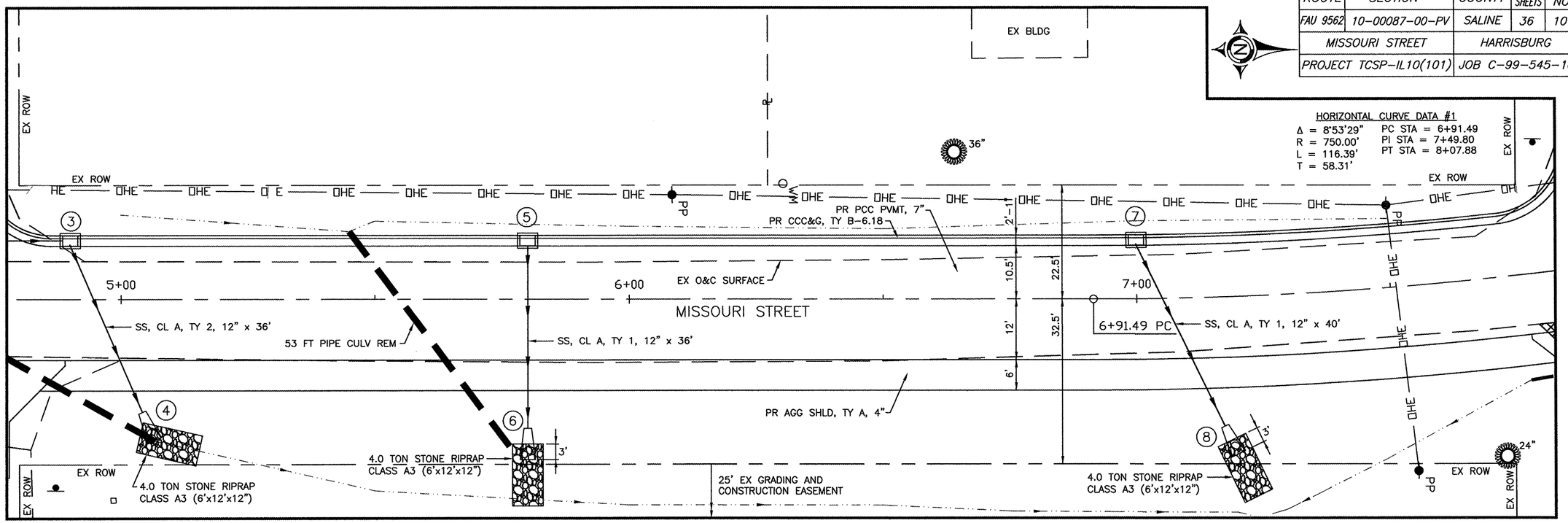
374.3
374.45

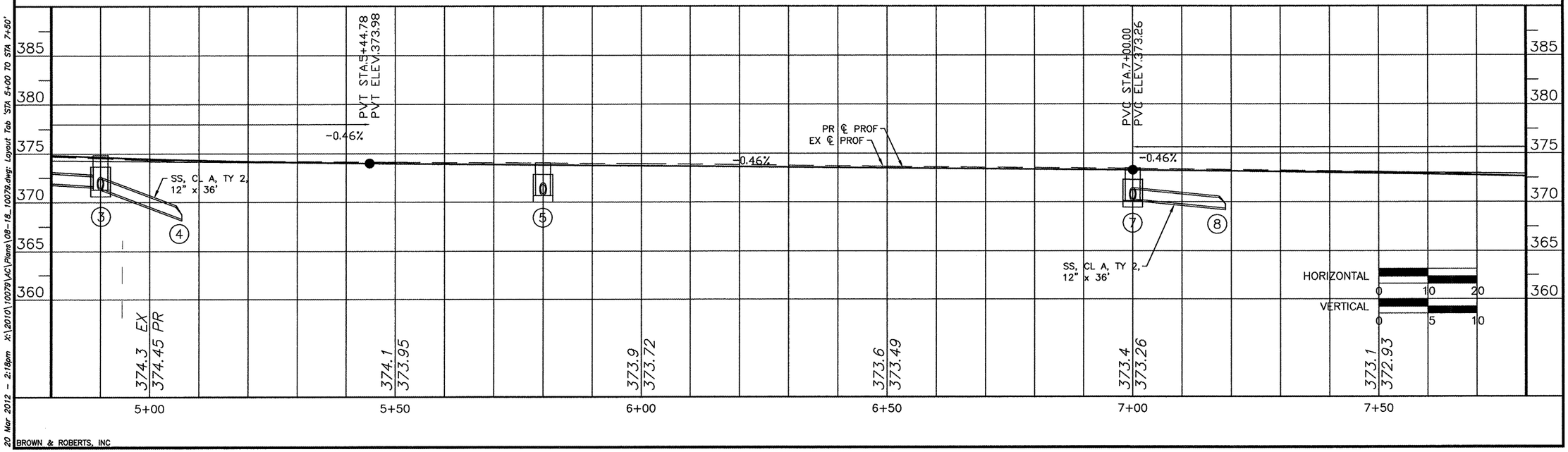
2+50 3+00 3+50 4+00 4+50 5+00

20 Mar 2012 - 2:18pm X:\2010\10079\ACI\Plans\08-18_10079.dwg: Layout Tab 'STA 2+50 TO STA 5+00'

BROWN & ROBERTS, INC

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	10
MISSOURI STREET		HARRISBURG		
PROJECT TCSP-IL10(101)		JOB C-99-545-10		





20 Mar 2012 - 2:18pm X:\2010\10079\AC\Plans\08-18_10079.dwg: Layout Tab 'STA 5+00 TO STA 7+50'

BROWN & ROBERTS, INC

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	11
MISSOURI STREET		HARRISBURG		
PROJECT TCSP-IL10(101)		JOB C-99-545-10		

DEPRESS CURB IN 3' (TYP BOTH SIDES)

6.5' 6.5'

SHORT STREET

+92.39

48.25'

EX ROW

RADIUS POINT
STA 7+72.02, 27.00' LT

16.5' RADIUS

31.5' RADIUS

RADIUS POINT
STA 8+37.25, 42.00' LT

HORIZONTAL CURVE DATA #2
Δ = 11°07'09" PC STA = 8+42.15
R = 750.00' PI STA = 9+15.15
L = 145.55' PT STA = 9+87.70
T = 73.00'

℄ TOP OF LEVEE

NOTE:
EX ROW LINE FOR WEST SIDE OF ROAD
IS 120' WEST OF ℄ TOP OF LEVEE.

EX O&C ROAD

PR PCC PVMT, 7"
PR CCC&G, TY B-6.18

OHE

PP

27.5 SQ YD DRV PVMT REM

97°38'04"

8+00

MISSOURI STREET

35.7 SQ YD DRV PVMT REM

9+00

SS, CL B, TY 1, 12" x 133'

55'

+76.66

90°

+06.40

8+07.88 PT

8+42.15 PC

+84.19

90°

+20.46

10.5'

12'

6'

2'-1"

10+00

9+87.70 PT

EX O&C SURFACE

PR AGG SHLD, TY A, 4"

40 FT PIPE CULV REM

24"

12"

PE +91.53

EX ROW

EX ASPH DRIVE

25' EX GRADING AND CONSTRUCTION EASEMENT

PIPE CULV, CL A, TY 1, 12" x 16'

PE +02.33

EX ASPH DRIVE

12"

EX ROW

VERTICAL CURVE #3
L = 200'
g3 = −0.46%
g4 = −2.12%
VPC STA 7+00 ELEV = 373.26
VPI STA 8+00 ELEV = 372.80
VPT STA 9+00 ELEV = 370.68

PVI STA.8+00.00
PVI ELEV.372.80

200.00VC
K=1.21

PVT STA.9+00.00
PVT ELEV.370.68

PVC STA.9+25.00
PVC ELEV.370.15

−2.12%

−2.12%

−2.12%

HORIZONTAL 0 10 20
VERTICAL 0 5 10

TOP OF LEVEE

PR ℄ PROF
EX ℄ PROF

SS, CL B, TY 1, 12" x 133'

	7+50	8+00	8+50	9+00	9+50	10+00
EX	373.1	372.5	371.5	370.8	369.6	368.2
PR	372.93	372.39	371.64	370.68	369.65	368.85

390 385 380 375 370 365

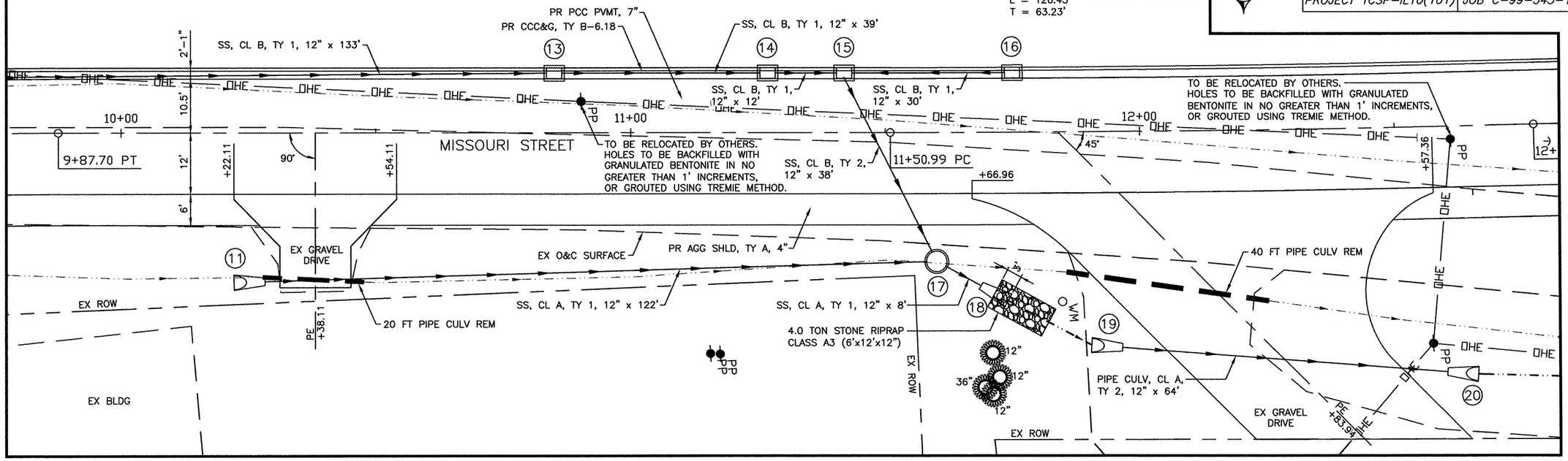
20 Mar 2012 - 2:19pm X:\2010\10079\AC\Plans\08-18_10079.dwg: Layout Tab 'STA 7+50 TO STA 10+00'

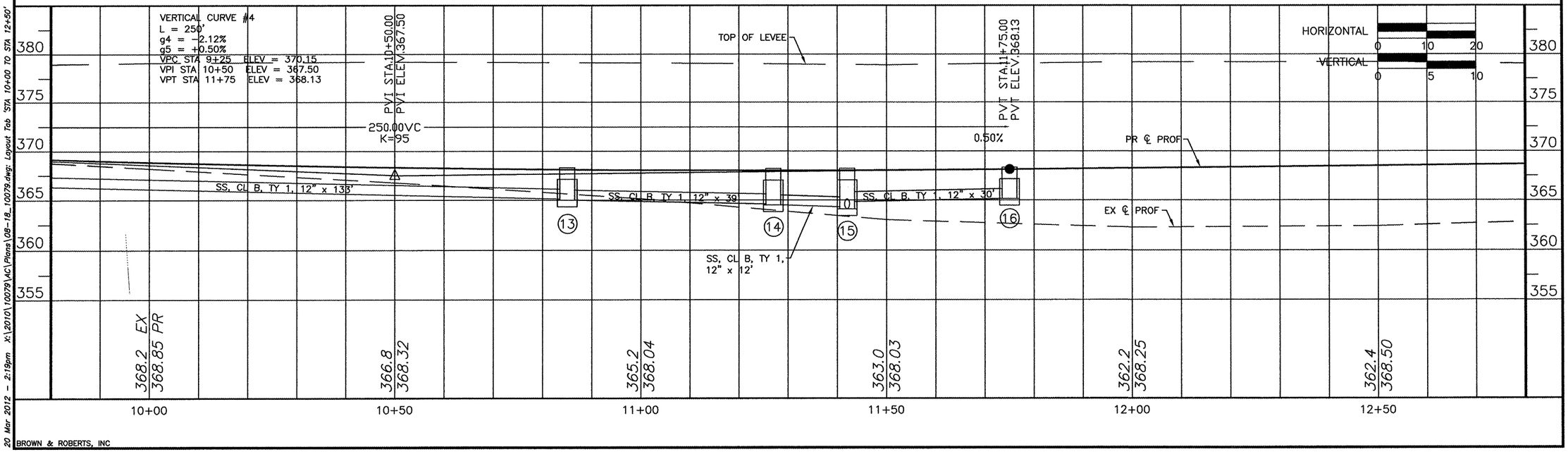
BROWN & ROBERTS, INC

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	12
MISSOURI STREET		HARRISBURG		
PROJECT TCSP-IL10(101)		JOB C-99-545-10		

NOTE:
EX ROW LINE FOR WEST SIDE OF ROAD
IS 120' WEST OF ℄ TOP OF LEVEE.

HORIZONTAL CURVE DATA #3
Δ = 1°26'56"
R = 5000.00'
L = 126.45'
T = 63.23'
PC STA = 11+50.99
PI STA = 12+14.22
PT STA = 12+77.44





20 Mar 2012 - 2:19pm X:\2010\10079\AC\Plans\08-18_10079.dwg: Layout Tab 'STA 10+00 TO STA 12+50'

BROWN & ROBERTS, INC

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	13
MISSOURI STREET		HARRISBURG		
PROJECT TCSP-IL10(101)		JOB C-99-545-10		

NOTE:
EX ROW LINE FOR WEST SIDE OF ROAD
IS 120' WEST OF ℄ TOP OF LEVEE.

TO BE RELOCATED BY OTHERS.
HOLES TO BE BACKFILLED WITH
GRANULATED BENTONITE IN NO
GREATER THAN 1' INCREMENTS,
OR GROUTED USING TREMIE METHOD.

PR PCC PVMT, 7"
PR CCC&G, TY B-6.18

2'-1"
10.5'
12'
6'

MISSOURI STREET

13+00 14+00 15+00

12+77.44 PT

SS, CL B, TY 2, 12" x 55'

SS, CL B, TY 2,
12" x 61'

45°

+75.22

+53.23

PR AGG SHLD, TY A, 4"

EX O&C SURFACE

TO BE RELOCATED
(BY OTHERS)

PIPE CULV, CL A,
TY 1, 12" x 42'

PE
+43.40

EX GRAVEL
DRIVE

3.3 TON STONE RIPRAP
CLASS A3 (6'x10'x12")

3.3 TON STONE RIPRAP
CLASS A3 (6'x10'x12")

30 FT PIPE CULV REM

EX ROW

EX ROW

OHE

PP

20 21 22 23 24 25 26

3'

TOP OF LEVEE

PR ℄ PROF

0.50%

EX ℄ PROF

HORIZONTAL 0 10 20

VERTICAL 0 5 10

	12+50	13+00	13+50	14+00	14+50	15+00
EX	362.4	363.1	363.4	363.3	363.1	362.7
PR	368.50	368.75	369.00	369.25	369.50	369.75

380 375 370 365 360 355

20 Mar 2012 - 2:20pm X:\2010\10079\VAC\Plans\08-18_10079.dwg: Layout Tab 'STA 12+50 TO STA 15+00'

BROWN & ROBERTS, INC

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	14
MISSOURI STREET		HARRISBURG		
PROJECT TCSP-IL10(101)		JOB C-99-545-10		

HORIZONTAL CURVE DATA #4
Δ = 0°58'59" PC STA = 15+35.67
R = 7500.00' PI STA = 16+00.01
L = 128.68' PT STA = 16+64.35
T = 64.34'

NOTE:
EX ROW LINE FOR WEST SIDE OF ROAD
IS 120' WEST OF ℄ TOP OF LEVEE.

TOP OF LEVEE

PR PCC PVMT, 7"
PR CCC&G, TY B-6.18

2'-1"
10.5'
12'
6'

25 26 27 28

15+00 16+00 17+00

MISSOURI STREET

15+35.67 PC

16+64.35 PT

SS, CL B, TY 2, 12" x 61'

PR AGG SHLD, TY A, 4"

SS, CL B, TY 2, 12" x 67'

33 FT PIPE CULV REM

EX O&C SURFACE

33 FT PIPE CULV REM

3.3 TON STONE RIPRAP
CLASS A3 (6'x10'x12")
3'

31 FT PIPE CULV REM

EX GRAVEL
DRIVE

3'
3.3 TON STONE RIPRAP
CLASS A3 (6'x10'x12")

EX ROW

EX ROW

VERTICAL CURVE #5
L = 90'
g5 = +0.50%
g6 = +0.96%
VPC STA 15+55 ELEV = 370.03
VPI STA 16+00 ELEV = 370.25
VPT STA 16+45 ELEV = 370.68

PVC STA.15+55.00
PVC ELEV.370.03

PVI STA.16+00.00
PVI ELEV.370.25

PVT STA.16+45.00
PVT ELEV.370.68

TOP OF LEVEE

90.00VC
K=195

0.50%

0.96%

PR ℄ PROF

EX ℄ PROF

380
375
370
365
360

HORIZONTAL
0 10 20
VERTICAL
0 5 10

15+00	15+50	16+00	16+50	17+00	17+50
362.7 EX 369.75 PR	362.8 370.00	362.8 370.30	362.7 370.73	363.0 371.21	363.1 371.69

20 Mar 2012 - 2:21pm X:\2010\10079\AC\Plans\08-18_10079.dwg: Layout Tab 'STA 15+00 TO STA 17+50'

BROWN & ROBERTS, INC

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	15
MISSOURI STREET		HARRISBURG		
PROJECT TCSP-IL10(101)		JOB C-99-545-10		

NOTE:
EX ROW LINE FOR WEST SIDE OF ROAD
IS 120' WEST OF ℄ TOP OF LEVEE.

TOP OF LEVEE

PR PCC PVMT, 7"
PR CCC&G, TY B-6.18

2'-1"
10.5'
12'
6'

29

18+00 19+00 20+00

MISSOURI STREET

SS, CL B, TY 2, 12" x 71'

PR AGG SHLD, TY A, 4"

EX O&C SURFACE

30

3.3 TON STONE RIPRAP
CLASS A3 (6'x10'x12")

3'

EX ROW

EX ROW

HORIZONTAL 0 10 20
VERTICAL 0 5 10

380
375
370
365

TOP OF LEVEE

PR ℄ PROF

0.96%

0
29

EX ℄ PROF

	17+50	18+00	18+50	19+00	19+50	20+00
EX	363.1	362.9	362.9	363.4	363.8	364.5
PR	371.69	372.17	372.65	373.13	373.62	374.10

20 Mar 2012 - 2:21pm X:\20101\10079\ACI\Plans\08-18_10079.dwg: Layout Tab: 'STA 17+50 TO STA 20+00'

BROWN & ROBERTS, INC

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	16
MISSOURI STREET		HARRISBURG		
PROJECT TCSP-IL10(101)		JOB C-99-545-10		

NOTE:
EX ROW LINE FOR WEST SIDE OF ROAD
IS 120' WEST OF ℄ TOP OF LEVEE.

℄ TOP OF LEVEE

PR PCC PVMT, 7"
PR CCC&G, TY B-6.18

2'-1"
10.5'
12'
1.6'

20+00
21+00
MISSOURI STREET
22+00
21+94.08 PC

PR AGG SHLD, TY A, 4"

EX O&C SURFACE

SS, CL B, TY 2, 12" x 78'

(31)

(32)

3.3 TON STONE RIPRAP
CLASS A3 (6'x10'x12")

3'

EX ROW

TOP OF LEVEE

PR ℄ PROF
EX ℄ PROF

380
375
370
365

	20+00	20+50	21+00	21+50	22+00	22+50
EX	364.5	366.0	367.4	369.5	372.1	374.1
PR	374.10	374.58	375.06	375.54	376.02	376.50

HORIZONTAL 0 10 20
VERTICAL 0 5 10

20 Mar 2012 - 2:21pm X:\2010\10079\AC\Plans\08-18_10079.dwg: Layout Tab 'STA 20+00 TO STA 22+50'

BROWN & ROBERTS, INC

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	17
MISSOURI STREET		HARRISBURG		
PROJECT TCSP-IL10(101)		JOB C-99-545-10		

NOTE:
EX ROW LINE FOR WEST SIDE OF ROAD
IS 120' WEST OF ℄ TOP OF LEVEE.

℄ TOP OF LEVEE

EX STEEL BARRICADE

OHE

OHE

PP

LEVEE STA 186+91

PR AGG SHLD, TY A, 4"

6'

PR PCC PVMT, 7"

PR CCC&G, TY B-6.18

2'-1"

10.5'

12'

6'

23+00

MISSOURI STREET

24+00

90°

EX O&C SURFACE

23+15.83 PT

END PROJECT
STA 24+06.54

IL RTE 13

PR AGG SHLD, TY A, 4"

SEE INTERSECTION DETAIL
SHEET FOR INFORMATION

HORIZONTAL CURVE DATA #5

Δ = 2°47'25"
R = 2500.00'
L = 121.74'
T = 60.88'

PC STA = 21+94.08
PI STA = 22+54.97
PT STA = 23+15.83

VERTICAL CURVE #6
L = 90'
g6 = +0.96%
g7 = +1.55%
VPC STA 23+10 ELEV = 377.08
VPI STA 23+55 ELEV = 377.51
VPT STA 24+00 ELEV = 378.21

PVC STA.23+10.00
PVC ELEV.377.08

PVI STA.23+55.00
PVI ELEV.377.51

PVT STA.24+00.00
PVT ELEV.378.21

90.00 V/C
K=154

0.96%

1.55%

1.55%

TOP OF LEVEE

PR ℄ PROF

EX ℄ PROF

HORIZONTAL 0 10 20

VERTICAL 0 5 10

390
385
380
375
370
365

374.1 EX
376.50 PR

375.7
376.98

377.0
377.51

378.0
378.21

22+50
23+00
23+50
24+00
24+50
25+00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	18
MISSOURI STREET		HARRISBURG		
PROJECT TCSP-IL10(101)		JOB C-99-545-10		

HORIZONTAL 0 10 20

IL RTE 13

90°

MISSOURI STREET

24+00

23+00

23+15.83 PT

1' STUB
(TYP BOTH SIDES)

PR CONC SHLD
(TO BE PAID FOR AS
PCC PVMT, 7")

378.25 378.20 378.12 377.71 377.30 377.21 377.14 377.05 376.94 376.81

1/5 Δ 2/5 Δ 3/5 Δ 4/5 Δ 6' 1/4 Δ 1/2 Δ 3/4 Δ

R = 70' (TO EOP)
Δ = 67°54'40"
L = 82.97'

STA 23+35.37, 87.54' LT
RADIUS POINT

STA 23+06.52, 157.00' LT
RADIUS POINT

R = 145' (TO EOP)
Δ = 22°05'20"
L = 55.90'

+07.19

PR AGG SHLD, TY A, 4"

DEPRESS CURB IN 3'

2'-1" 10.5' 12' 6'

PR CCC&G, TY B-6.18

INTERSECTION DETAIL
MISSOURI STREET AND IL RTE 13

378.00 377.93 377.85 377.70 377.54 377.44 377.37 377.28 377.19 377.04

PR CONC SHLD
(TO BE PAID FOR AS
PCC PVMT, 7")

+30.19

R = 70' (TO EOP)
Δ = 67°54'23"
L = 82.96'

STA 23+30.19, 82.00' RT
RADIUS POINT

4/5 Δ 3/5 Δ 2/5 Δ 1/5 Δ 1/4 Δ 1/2 Δ 3/4 Δ

R = 145' (TO EOP)
Δ = 22°05'37"
L = 55.91'

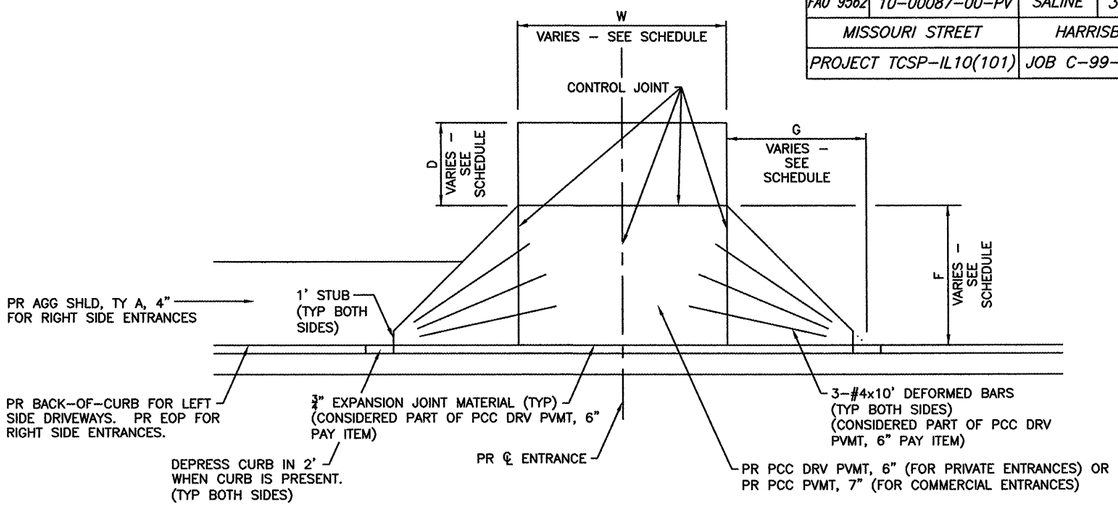
PR AGG SHLD, TY A, 4"

STA 22+63.03, 110.79' RT
RADIUS POINT

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	19
MISSOURI STREET		HARRISBURG		
PROJECT TCSP-IL10(101)		JOB C-99-545-10		

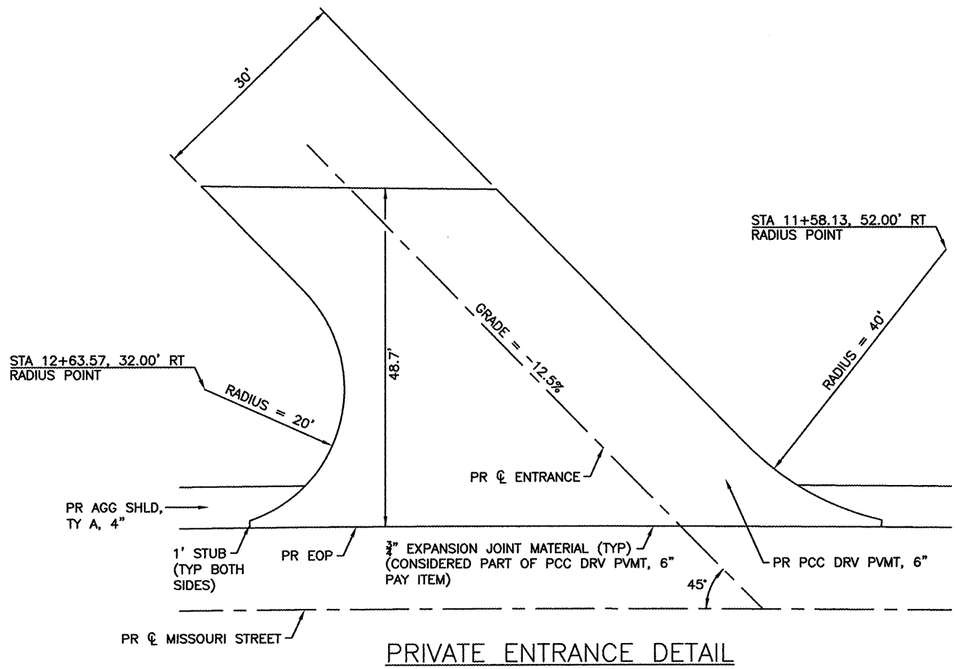
DRIVEWAY ENTRANCE SCHEDULE

LOCATION	ENTRANCE TYPE	ENTRANCE WIDTH "W" (FOOT)	ENTRANCE DEPTH "D" (FOOT)	RADIUS HEIGHT "F" (FOOT)	RADIUS WIDTH "G" (FOOT)	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6" (SQ YD)	PORTLAND CEMENT CONCRETE PAVEMENT 7" (SQ YD)	EXISTING SURFACE TYPE	DRIVEWAY PAVEMENT REMOVAL (SQ YD)
MISSOURI STREET									
STA 1+48.58 LT	PE	18	0	10	10	30.7		AGG	
STA 4+66.00 RT	CE	24	11	12	12		77.2	O&C	
STA 7+91.53 RT	PE	12	2	10	10	27.1		ASPH	27.5
STA 9+02.33 RT	PE	14	7	12	12	45.5		ASPH	35.7
STA 10+38.11 RT	PE	14	8	10	10	39.0		AGG	
STA 11+83.94 RT	PE	SEE DETAIL				282.8		AGG	
STA 14+43.40 RT	PE	SEE DETAIL				221.1		AGG	
TOTALS						646	77		63



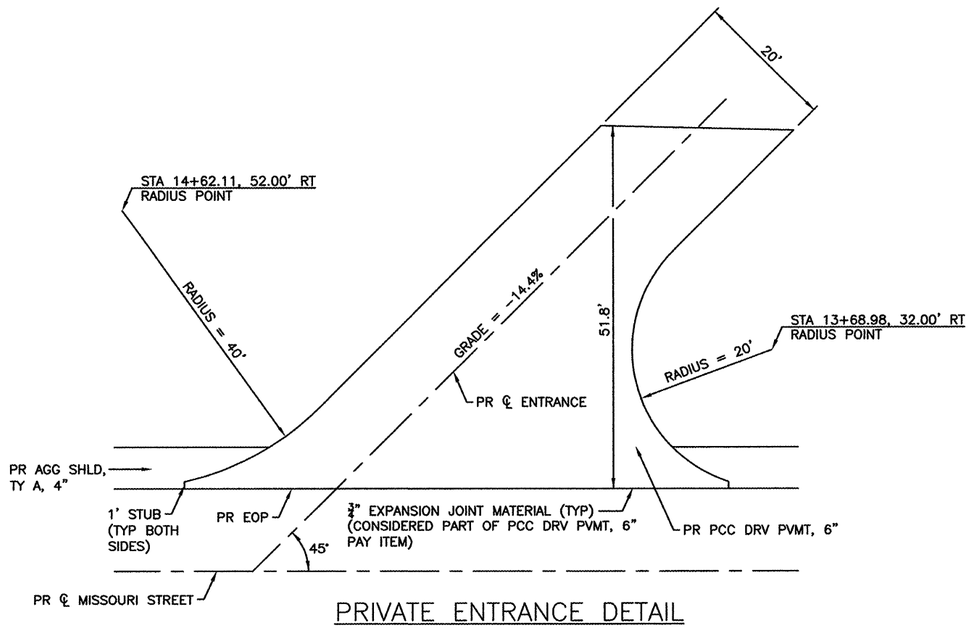
PRIVATE/COMMERCIAL ENTRANCE DETAIL

STA 1+48.58 LT
STA 4+66.00 RT
STA 7+91.53 RT
STA 9+02.33 RT
STA 10+38.11 RT
NOT TO SCALE



PRIVATE ENTRANCE DETAIL

STA 11+83.94 RT
NOT TO SCALE



PRIVATE ENTRANCE DETAIL

STA 14+43.40 RT
NOT TO SCALE

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	20
PROJECT TCSP-IL10(101)		MISSOURI STREET		

HORIZONTAL 0 5' 10'

VERTICAL 0 5' 10'

PR GRADING AND CONST EASEMENT

EX ROW

PROFILE PE
STA 1+48.58 LT

395.0
394.99

3.2%

0.7%

3.5:1

EX 12" COR PLAS CULV PR SS, CL A, TY 1, 12"

CUT = 21.1 SF
FILL = 1.3 SF

EX ROW

EX GRADING AND CONST EASEMENT

1/50

PR GRADING AND CONST EASEMENT

EX ROW

20:1

398.0
398.15

3.5:1

CUT = 19.6 SF
FILL = 10.5 SF

EX ROW

EX GRADING AND CONST EASEMENT

1/00

400.1
400.00

3.5:1

CUT = 30.7 SF
FILL = 0 SF

0/50

400
390
380
370

40 30 20 10 0 10 20 30 40 50 60 70 80

BROWN & ROBERTS, INC.

04 Apr 2012 - 12:54pm X:\2010\10079\AC\Plans\20-36_10079 XSEC.dwg

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	21
PROJECT TCSP-IL10(101)		MISSOURI STREET		

HORIZONTAL 0 5' 10'

VERTICAL 0 5' 10'

PR GRADING AND CONST EASEMENT

EX ROW

20:1

384.1

383.17

PR SS, CL A, TY 1, 12"

CUT = 24.2 SF
FILL = 29.0 SF

EX GRADING AND CONST EASEMENT

3+00

388.0

387.00

CUT = 26.4 SF
FILL = 13.6 SF

5+00

35:1

391.7

391.00

CUT = 25.4 SF
FILL = 18.5 SF

8+00

390
380
370

40 30 20 10 0 10 20 30 40 50 60 70 80

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	22
PROJECT TCSP-IL10(101)		MISSOURI STREET		

HORIZONTAL 0 5' 10'

VERTICAL 0 5' 10'

PROFILE STA 4+65.20 LT
NATIONAL STREET

PROFILE CE
STA 4+66.00 RT

4 + 66

14.5%

375.0

375.17

18.0%

PR SS, CL A, TY 1, 12"

CUT = 38.5 SF
FILL = 29.0 SF

EX 15" COR PLAS CULV

PR GRADING AND CONST EASEMENT

EX ROW

20:1

375.3

375.62

3.5:1

EX ROW

EX GRADING AND CONST EASEMENT

4 + 50

PR SS, CL A, TY 1, 12"

EX 15" COR PLAS CULV

CUT = 19.9 SF
FILL = 22.4 SF

4 + 00

377.3

377.46

PR SS, CL A, TY 1, 12"

CUT = 18.2 SF
FILL = 25.0 SF

3 + 50

380.4

379.98

PR SS, CL A, TY 1, 12"

CUT = 23.2 SF
FILL = 23.8 SF

370 360 380 370 360 380 370

40 30 20 10 0 10 20 30 40 50 60 70 80

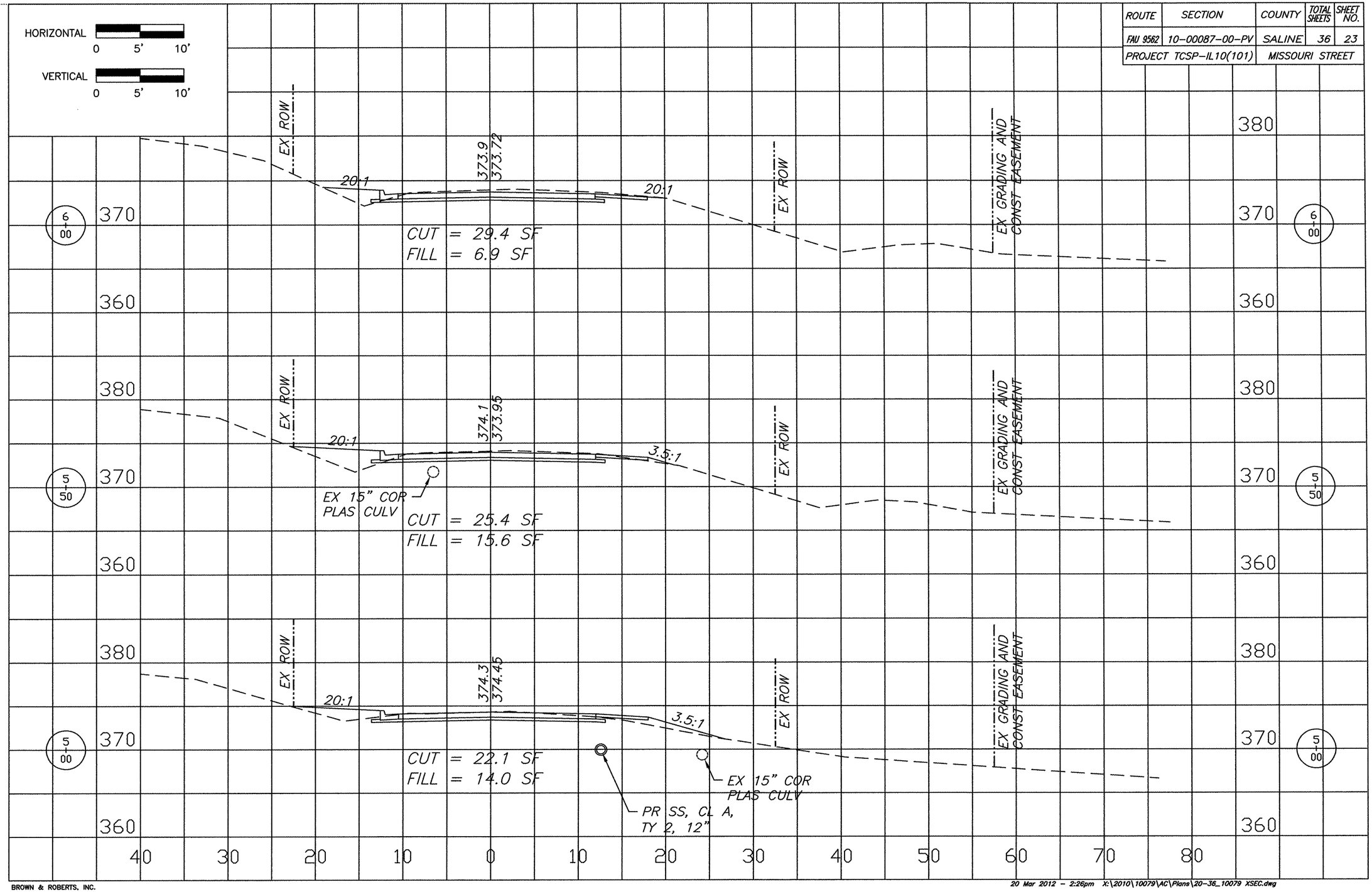
BROWN & ROBERTS. INC.

20 Mar 2012 - 2:26pm X:\2010\10079\AC\Plans\20-36_10079 XSEC.dwg

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	23
PROJECT TCSP-IL10(101)		MISSOURI STREET		

HORIZONTAL
0 5' 10'

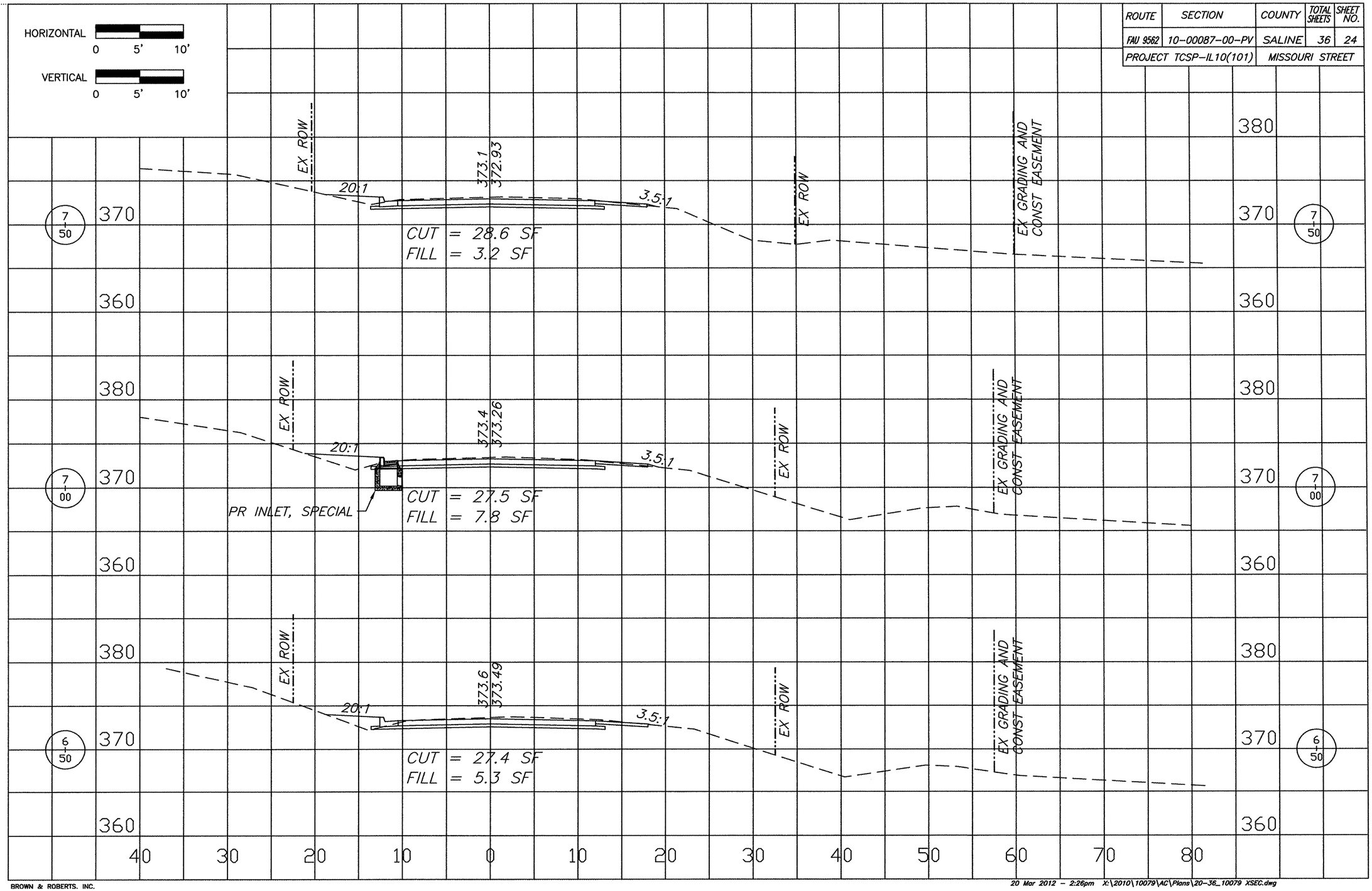
VERTICAL
0 5' 10'



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	24
PROJECT TCSP-IL10(101)		MISSOURI STREET		

HORIZONTAL
0 5' 10'

VERTICAL
0 5' 10'



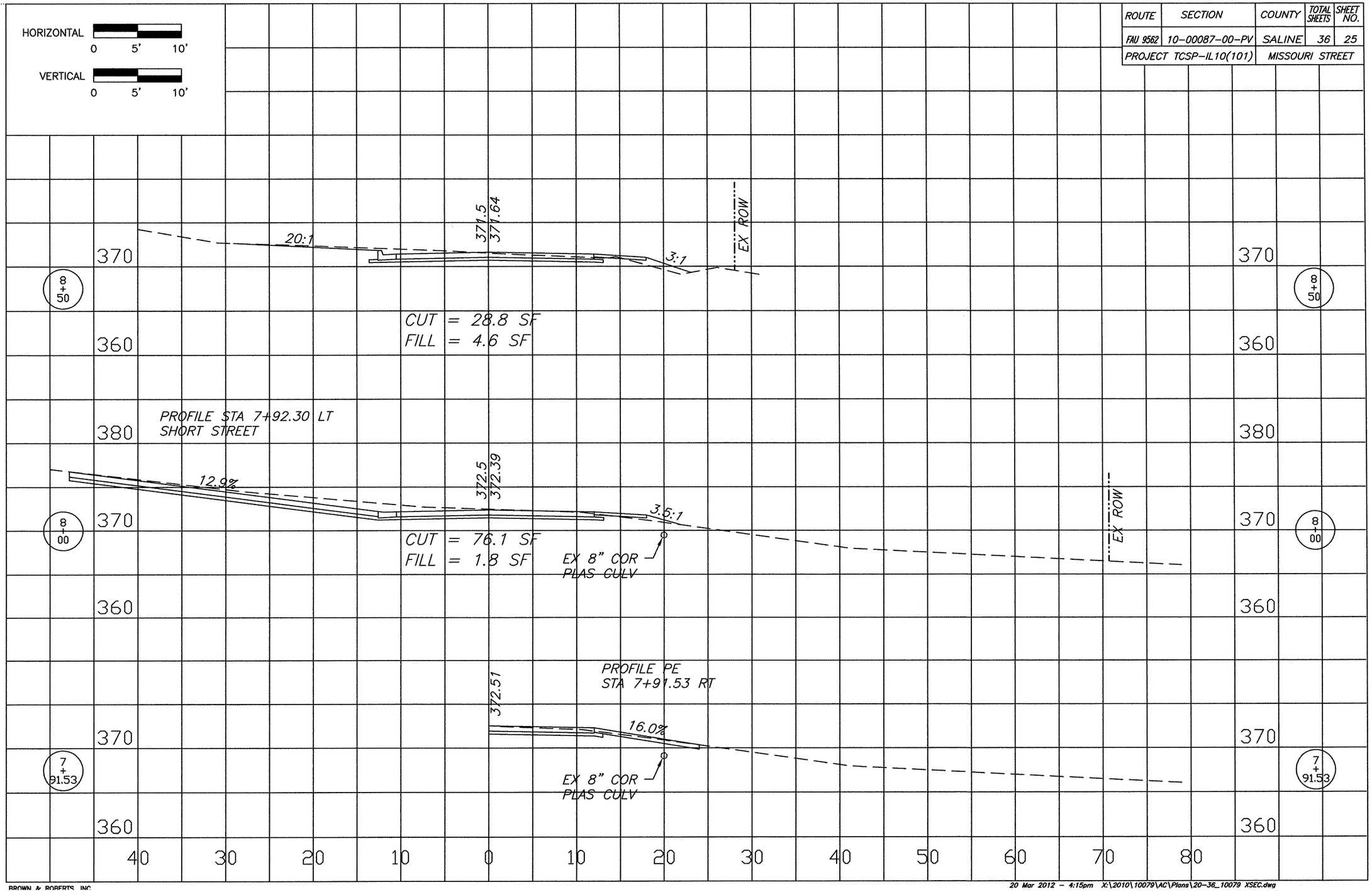
BROWN & ROBERTS. INC.

20 Mar 2012 - 2:26pm X:\2010\10079\AC\Plans\20-36_10079 XSEC.dwg

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	25
PROJECT TCSP-IL10(101)		MISSOURI STREET		

HORIZONTAL
0 5' 10'

VERTICAL
0 5' 10'



BROWN & ROBERTS, INC

20 Mar 2012 - 4:15pm X:\2010\10079\AC\Plans\20-36_10079 XSEC.dwg

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	26
PROJECT TCSP-IL10(101)		MISSOURI STREET		

HORIZONTAL 0 5' 10'

VERTICAL 0 5' 10'

10+00

366.9
368.42
20:1
PR SS, CL B, TY 1, 12"
PROFILE PE
STA 10+38.11 RT
14.3%
EX ROW
EX 10" COR PLAS CULV
PR SS, CL A, TY 1, 12"
10+38.11

368.2
368.85
20:1
PR SS, CL B, TY 1, 12"
CUT = 8.2 SF
FILL = 2.0 SF
3.5:1
EX ROW

9+50

369.6
369.65
20:1
PR INLET, SPECIAL
CUT = 24.2 SF
FILL = 1.0 SF
3.5:1
EX ROW

9+00

370.8
370.68
20:1
PROFILE PE
STA 9+02.33 RT
7.8%
EX ROW
CUT = 30.3 SF
FILL = 1.0 SF
PR PIPE CULV, CL A, TY 1, 12"

370
360

40 30 20 10 0 10 20 30 40 50 60 70 80

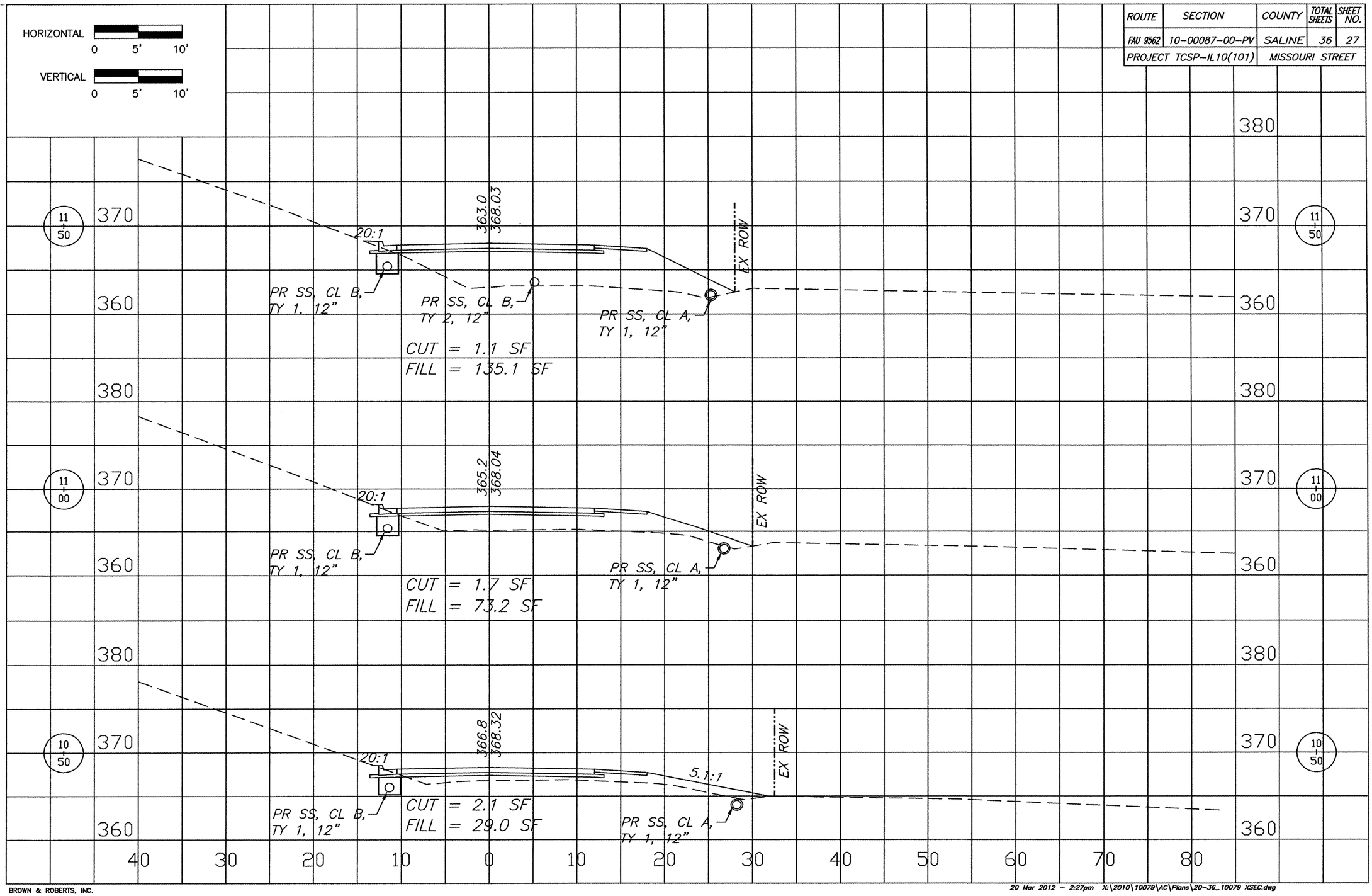
BROWN & ROBERTS, INC.

20 Mar 2012 - 2:27pm X:\2010\10079\AC\Plans\20-36_10079 XSEC.dwg

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	27
PROJECT TCSP-IL10(101)		MISSOURI STREET		

HORIZONTAL
0 5' 10'

VERTICAL
0 5' 10'



BROWN & ROBERTS, INC.

20 Mar 2012 - 2:27pm X:\2010\10079\AC\Plans\20-36_10079 XSEC.dwg

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	28
PROJECT TCSP-IL10(101)		MISSOURI STREET		

HORIZONTAL 0 5' 10'

VERTICAL 0 5' 10'

13+00

363.1
368.75
20:1
3:1
357.73
3:1
EX ROW
CUT = 8.8 SF
FILL = 246.0 SF

12+50

362.4
368.50
20:1
3:1
358.30
3:1
EX ROW
CUT = 5.5 SF
FILL = 239.4 SF
PR PIPE CULV, CL A, TY 2, 12"

12+00

362.2
368.25
20:1
3:1
EX ROW
CUT = 0.9 SF
FILL = 229.5 SF
EX 12" CMP
PR PIPE CULV, CL A, TY 2, 12"

360
350
370
360
350
370
360
350
370
360
350

40 30 20 10 0 10 20 30 40 50 60 70 80

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	29
PROJECT TCSP-IL10(101)	MISSOURI STREET			

HORIZONTAL 0 5' 10'

VERTICAL 0 5' 10'

14+50

14+00

13+50

370

360

350

20:1

363.1
369.50

3:1

356.70

EX ROW

CUT = 7.5 SF
FILL = 271.0 SF

363.3
369.25

CUT = 4.3 SF
FILL = 257.0 SF

PR PIPE CULV,
CL A, TY 1, 12"

NOTE: DRAINAGE STRUCTURES
ACTUALLY AT STA 13+30.00

363.4
369.00

PR INLET, SPECIAL

PR SS, CL B, TY 2, 12"

357.53

CUT = 3.9 SF
FILL = 246.2 SF

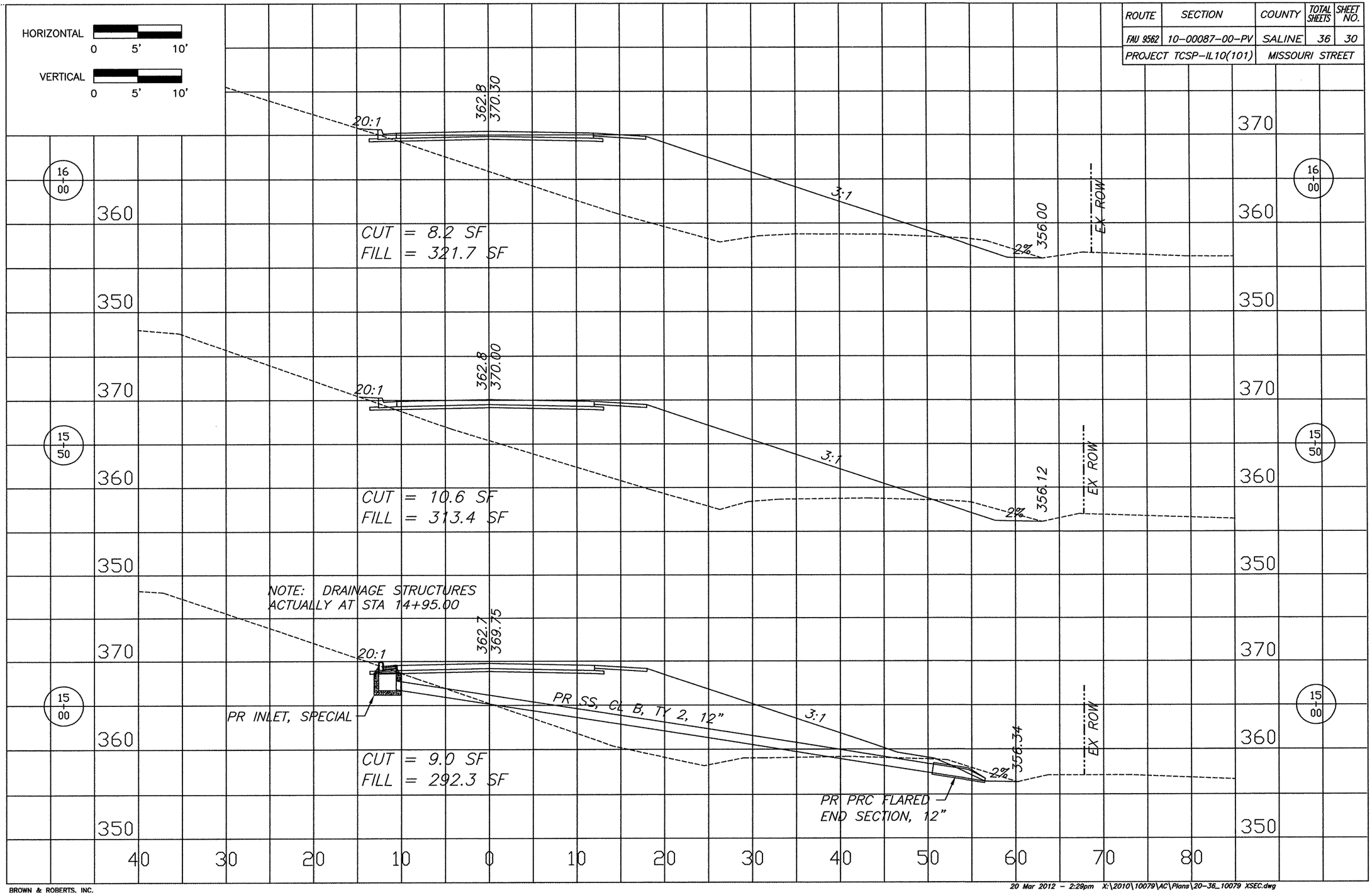
PR PRC FLARED
END SECTION, 12"

40 30 20 10 0 10 20 30 40 50 60 70 80

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	30
PROJECT TCSP-IL10(101)		MISSOURI STREET		

HORIZONTAL 0 5' 10'

VERTICAL 0 5' 10'



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	31
PROJECT TCSP-IL10(101)		MISSOURI STREET		

HORIZONTAL 0 5' 10'

VERTICAL 0 5' 10'

17+50

CUT = 15.7 SF
FILL = 376.8 SF

20:1

363.1
371.69

3:1

2%

EX ROW
355.39

17+00

CUT = 16.7 SF
FILL = 349.2 SF

20:1

363.0
371.21

3:1

2%

355.61
EX ROW

NOTE: DRAINAGE STRUCTURES ACTUALLY AT STA 16+70.00

16+50

20:1

362.7
370.73

PR INLET, SPECIAL

PR SS, CL B, TY 2, 12"

3:1

CUT = 15.1 SF
FILL = 333.7 SF

2%

355.62
EX ROW

PR PRC FLARED END SECTION, 12"

360
350
370

40 30 20 10 0 10 20 30 40 50 60 70 80

BROWN & ROBERTS, INC

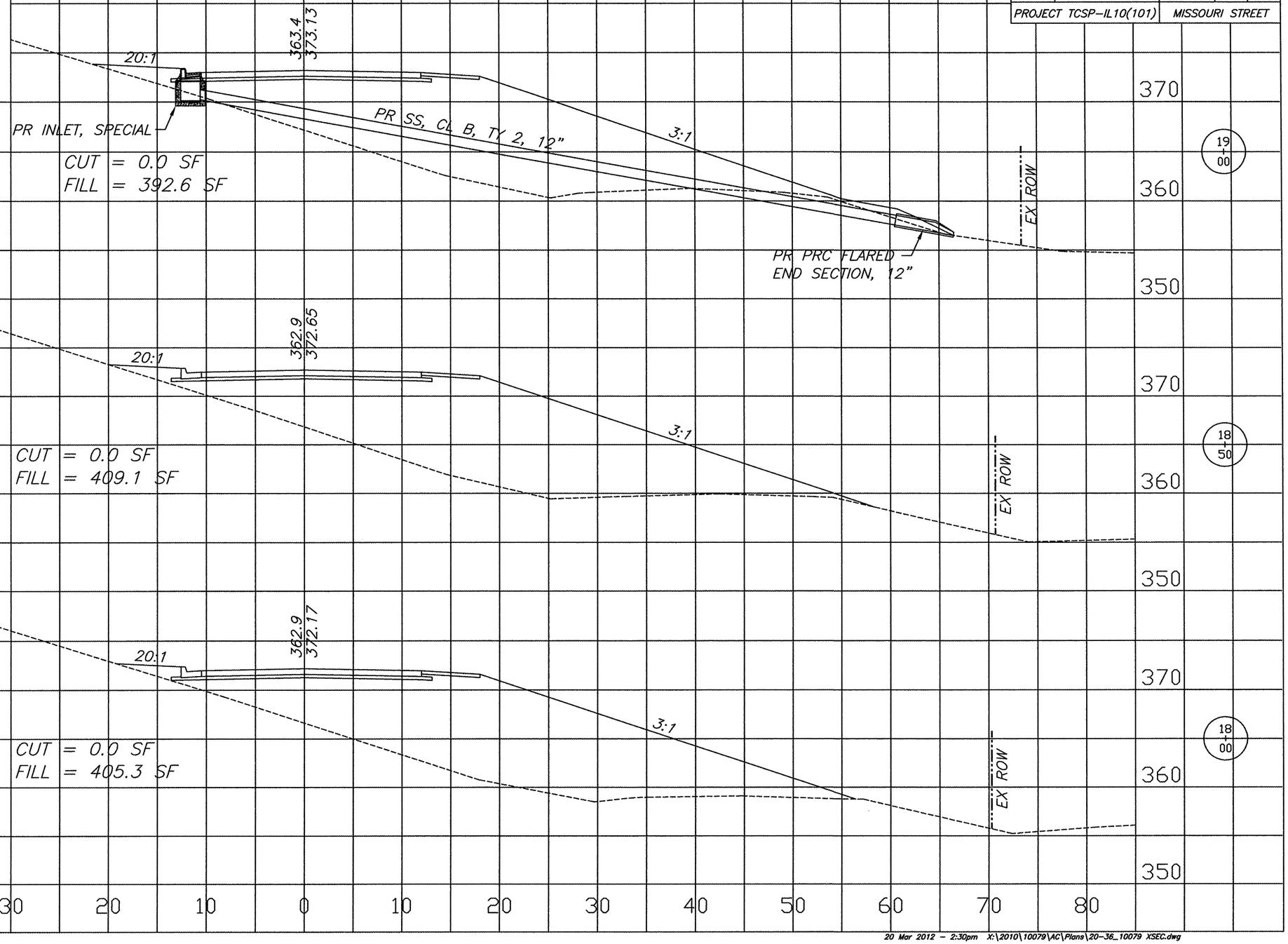
20 Mar 2012 - 2:29pm X:\2010\10079\AC\Plans\20-36_10079 XSEC.dwg

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	32
PROJECT TCSP-IL10(101)		MISSOURI STREET		

HORIZONTAL 0 5' 10'

VERTICAL 0 5' 10'

NOTE: DRAINAGE STRUCTURES ACTUALLY AT STA 19+05.00



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	33
PROJECT TCSP-IL10(101)		MISSOURI STREET		

HORIZONTAL 0 5' 10'

VERTICAL 0 5' 10'

20 / 50

366.0
374.58
20:1
3:1
CUT = 0.0 SF
FILL = 329.3 SF
EX ROW

20 / 00

364.5
374.10
20:1
3:1
CUT = 0.0 SF
FILL = 358.2 SF
EX ROW

19 / 50

363.8
373.62
20:1
3:1
CUT = 0.0 SF
FILL = 379.3 SF
EX ROW

360
350
370

40 30 20 10 0 10 20 30 40 50 60 70 80

BROWN & ROBERTS, INC

20 Mar 2012 - 2:30pm X:\2010\10079\AC\Plans\20-36_10079 XSEC.dwg

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	34
PROJECT TCSP-IL10(101)		MISSOURI STREET		

HORIZONTAL 0 5' 10'

VERTICAL 0 5' 10'

22+00

20:1

372.1
376.02

CUT = 0.0 SF
FILL = 219.5 SF

3:1

EX ROW

NOTE: DRAINAGE STRUCTURES ACTUALLY AT STA 21+55.00

369.5
375.54

20:1

PR INLET, SPECIAL

PR SS, CL B, TY 2, 12"

3:1

21+50

CUT = 0.0 SF
FILL = 277.7 SF

PR PRC FLARED END SECTION, 12"

EX ROW

367.4
375.06

20:1

3:1

21+00

CUT = 0.0 SF
FILL = 300.1 SF

EX ROW

370
360
350
370
360
350
370
360
350

40 30 20 10 0 10 20 30 40 50 60 70 80

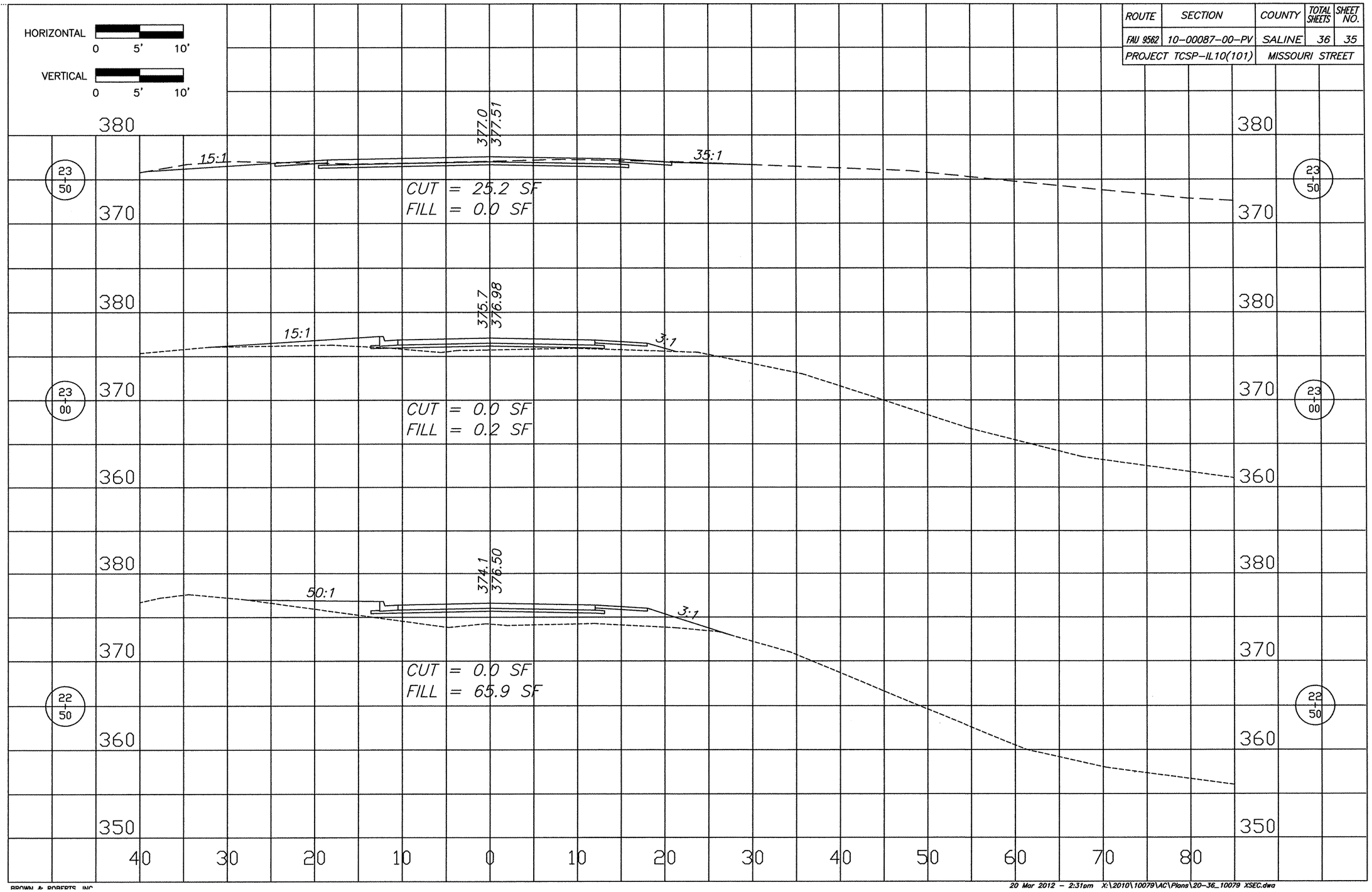
BROWN & ROBERTS, INC.

20 Mar 2012 - 2:30pm X:\2010\10079\AC\Plans\20-36_10079 XSEC.dwg

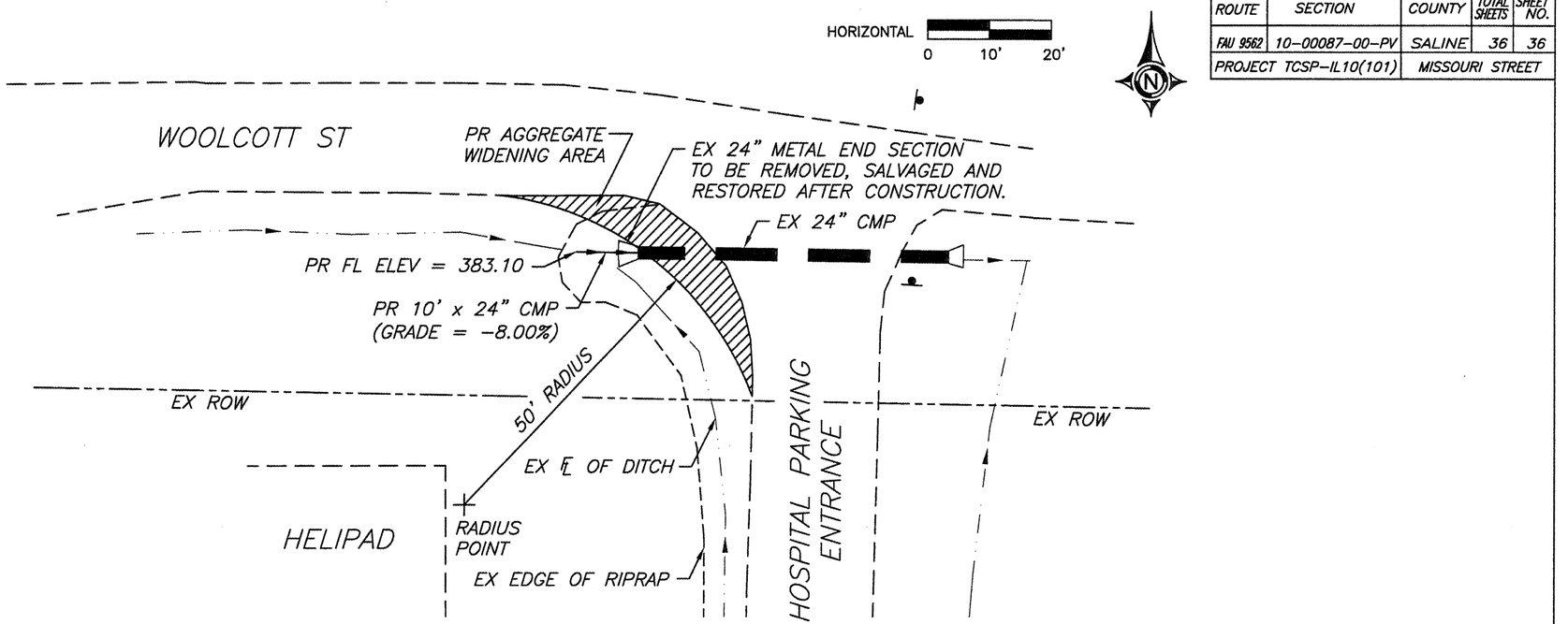
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	35
PROJECT TCSP-IL10(101)		MISSOURI STREET		

HORIZONTAL 0 5' 10'

VERTICAL 0 5' 10'



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9562	10-00087-00-PV	SALINE	36	36
PROJECT TCSP-IL10(101)		MISSOURI STREET		



TEMPORARY ACCESS (COMMERCIAL ENTRANCE) DETAIL

SEE SPECIAL PROVISIONS