

RESOLUTION 16-110

**A RESOLUTION TO AUTHORIZE A CONTRACT FOR BUCKNER PLACE
SUBDIVISION MS4 CIP #3**

WHEREAS, to better serve the citizens of Spring Hill, the City of Spring Hill appropriated funding for Stormwater projects for the fiscal year 2016-2017; and

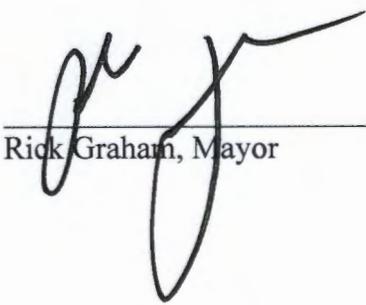
WHEREAS, Stormwater capabilities are in need of improvement in the Buckner Place area;

WHEREAS, city staff advertised and accepted proposals for Buckner Place Subdivision MS4 CIP #3 project on July 21, 2016; and

WHEREAS, City staff and Dempsey Dilling staff has reviewed all proposals and has made a recommendation.

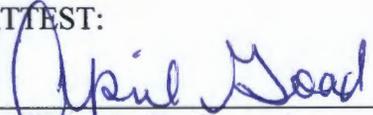
NOW, THEREFORE, BE IT RESOLVED, that the City of Spring Hill authorizes the a contract for Buckner Place Subdivision MS4 CIP #3 with SBW Constructors, LLC in the amount of \$584,304.00, as recommended by the Budget and Finance Advisory Committee on August 1, 2016.

Passed and adopted by the Board of Mayor and Aldermen of the City of Spring Hill, Tennessee on this 15th day of August, 2016.



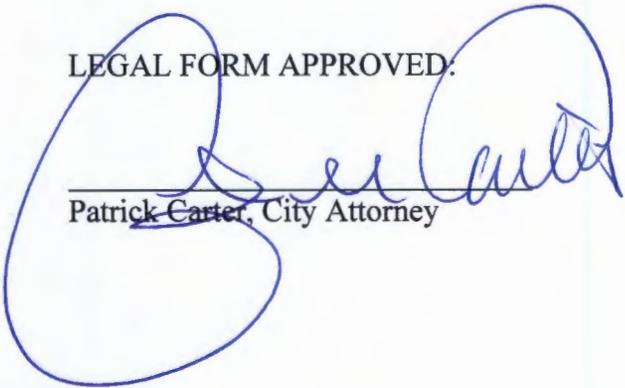
Rick Graham, Mayor

ATTEST:



April Good, City Recorder

LEGAL FORM APPROVED:



Patrick Carter, City Attorney



DEMPSEY, DILLING & ASSOCIATES, P.C.
ENGINEERING CONSULTANTS

July 22, 2015

File No. 0100-379

Victor Lay (via email)
City Administrator
City of Spring Hill
199 Town Center Parkway
Spring Hill, Tennessee 37174

**RE: BUCKNER PLACE SUBDIVISION MS4 CIP #3
BID REVIEW AND RECOMMENDATION**

Dear Mr. Lay:

Dempsey, Dilling & Associates, P.C. (DDA) has reviewed the bids submitted for the above-referenced project and the apparent low bidder is SBW Constructors, LLC in the amount of \$584,304.00. DDA has verified their references of previous stormwater projects. In addition, SBW Constructors has recently completed a water line project in Spring Hill on Duplex Road. Attached is a copy of the bid summary and bid tabulation.

Based on the review of the bid tabulation and project references, DDA recommends the City of Spring Hill accept the bid and award the contract to SBW Constructors, LLC in the amount of \$584,304.00.

Should you have any questions or comments, give me a call.

Sincerely,
DEMPSEY, DILLING & ASSOCIATES, P.C.
ENGINEERING CONSULTANTS

Cory D. Hall, P.E.
CDH: 50081

Enclosure

cc: Honorable Mayor Rick Graham (via email)
Jeremy Polk, Stormwater Coordinator (via email)
Jeff Foster, Public Works Director (via email)
Chris Saxe, Assistant Superintendent of Public Works (via email)
April Goad, City Recorder (via email)

**SUMMARY OF BIDS
FOR
CITY OF SPRING HILL, TENNESSEE
MS4 CIP NO. 3, BUCKNER PLACE SUBDIVISION**

BID OPENING: JULY 21, 2016, 2:00 P.M.

CONTRACTOR	BASE BID
Jarrett Builders Nashville, TN	No Bid
Sessions Paving Company Nashville, TN	No Bid
SBW Constructors, LLC Cottontown, TN	\$584,304.00
Curl Construction and Excavating, LLC Wartrace, TN	No Bid
Civil Constructors, Inc. Franklin, TN	\$615,180.00
Parchman Construction Company, Inc Cumberland City, TN	\$637,883.50
Adams Contracting, LLC Lexington, KY	\$613,120.0

Dempsey, Dilling & Associates, P.C.
File No. 0100-379

**CITY OF SPRING HILL, WILLIAMSON COUNTY, TENNESSEE
BUCKNER PLACE SUBDIVISION MS4 CIP #3 - BID TABULATION**

ITEM NO.	DESCRIPTION	EST. QTY	UNITS	SBW CONSTRUCTORS LLC COTTONTOWN, TN		ADAMS CONTRACTING, LLC LEXINGTON, KY		CIVIL CONSTRUCTORS, INC. FRANKLIN, TN		PARCHMAN CONSTRUCTION CUMBERLAND CITY, TN	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1.	Remove Existing Driveway Culvert										
a.	12" CMP	61	L.F.	\$ 30.00	\$ 1,830.00	\$ 30.00	\$ 1,830.00	\$ 12.00	\$ 732.00	\$ 22.50	\$ 1,372.50
b.	15" CMP	348	L.F.	\$ 10.00	\$ 3,480.00	\$ 35.00	\$ 12,180.00	\$ 12.00	\$ 4,176.00	\$ 22.50	\$ 7,830.00
c.	18" CMP	175	L.F.	\$ 10.00	\$ 1,750.00	\$ 40.00	\$ 7,000.00	\$ 12.00	\$ 2,100.00	\$ 22.50	\$ 3,937.50
d.	24" CMP	135	L.F.	\$ 13.00	\$ 1,755.00	\$ 45.00	\$ 6,075.00	\$ 14.00	\$ 1,890.00	\$ 22.50	\$ 3,037.50
2.	Remove Existing Roadway Culvert										
a.	18" CMP	140	L.F.	\$ 13.00	\$ 1,820.00	\$ 40.00	\$ 5,600.00	\$ 12.00	\$ 1,680.00	\$ 45.00	\$ 6,300.00
b.	30" CMP	260	L.F.	\$ 14.00	\$ 3,640.00	\$ 50.00	\$ 13,000.00	\$ 20.00	\$ 5,200.00	\$ 45.00	\$ 11,700.00
3.	Remove Existing Concrete Headwall										
a.	24" Winged	1	Each	\$ 900.00	\$ 900.00	\$ 850.00	\$ 850.00	\$ 141.00	\$ 141.00	\$ 550.00	\$ 550.00
b.	18" Straight	4	Each	\$ 450.00	\$ 1,800.00	\$ 850.00	\$ 3,400.00	\$ 110.00	\$ 440.00	\$ 550.00	\$ 2,200.00
4.	Culverts (outside roadway)										
a.	18" RCP	426	L.F.	\$ 75.00	\$ 31,950.00	\$ 75.00	\$ 31,950.00	\$ 60.00	\$ 25,560.00	\$ 45.00	\$ 19,170.00
b.	24" RCP	58	L.F.	\$ 69.00	\$ 4,002.00	\$ 90.00	\$ 5,220.00	\$ 86.00	\$ 4,988.00	\$ 58.00	\$ 3,364.00
c.	23" x 14" Elliptical RCP	116	L.F.	\$ 104.00	\$ 12,064.00	\$ 90.00	\$ 10,440.00	\$ 81.00	\$ 9,396.00	\$ 66.00	\$ 7,656.00
d.	30" x 19" Elliptical RCP	88	L.F.	\$ 95.00	\$ 8,360.00	\$ 100.00	\$ 8,800.00	\$ 130.00	\$ 11,440.00	\$ 87.00	\$ 7,656.00
e.	38" x 24" Elliptical RCP	108	L.F.	\$ 120.00	\$ 12,960.00	\$ 125.00	\$ 13,500.00	\$ 160.00	\$ 17,280.00	\$ 100.00	\$ 10,800.00
5.	Roadway Culverts (crossing roadway)										
a.	18" RCP	144	L.F.	\$ 72.00	\$ 10,368.00	\$ 75.00	\$ 10,800.00	\$ 88.00	\$ 12,672.00	\$ 81.00	\$ 11,664.00
b.	30" RCP	80	L.F.	\$ 110.00	\$ 8,800.00	\$ 100.00	\$ 8,000.00	\$ 160.00	\$ 12,800.00	\$ 125.00	\$ 10,000.00
c.	36" RCP	36	L.F.	\$ 200.00	\$ 7,200.00	\$ 125.00	\$ 4,500.00	\$ 200.00	\$ 7,200.00	\$ 141.00	\$ 5,076.00
6.	Concrete Winged Headwalls										
a.	18" RCP	22	Each	\$ 900.00	\$ 19,800.00	\$ 900.00	\$ 19,800.00	\$ 1,575.00	\$ 34,650.00	\$ 725.00	\$ 15,950.00
b.	24" RCP	4	Each	\$ 900.00	\$ 3,600.00	\$ 1,500.00	\$ 6,000.00	\$ 1,795.00	\$ 7,180.00	\$ 875.00	\$ 3,500.00
c.	30" RCP	2	Each	\$ 1,700.00	\$ 3,400.00	\$ 2,000.00	\$ 4,000.00	\$ 1,725.00	\$ 3,450.00	\$ 1,500.00	\$ 3,000.00
d.	23" x 14" Elliptical RCP	5	Each	\$ 1,400.00	\$ 7,000.00	\$ 1,500.00	\$ 7,500.00	\$ 1,975.00	\$ 9,875.00	\$ 1,000.00	\$ 5,000.00
e.	30" x 19" Elliptical RCP	5	Each	\$ 1,400.00	\$ 7,000.00	\$ 2,000.00	\$ 10,000.00	\$ 2,360.00	\$ 11,800.00	\$ 1,150.00	\$ 5,750.00
f.	38" x 24" Elliptical RCP	8	Each	\$ 1,850.00	\$ 14,800.00	\$ 3,000.00	\$ 24,000.00	\$ 2,830.00	\$ 22,640.00	\$ 1,800.00	\$ 14,400.00
7.	Exposed Aggregate Concrete Headwall										
a.	18" RCP	8	Each	\$ 3,200.00	\$ 25,600.00	\$ 1,800.00	\$ 14,400.00	\$ 2,195.00	\$ 17,560.00	\$ 825.00	\$ 6,600.00
b.	Dual 18" RCP	2	Each	\$ 4,000.00	\$ 8,000.00	\$ 3,600.00	\$ 7,200.00	\$ 3,120.00	\$ 6,240.00	\$ 825.00	\$ 1,650.00
c.	24" RCP	2	Each	\$ 3,300.00	\$ 6,600.00	\$ 3,000.00	\$ 6,000.00	\$ 2,425.00	\$ 4,850.00	\$ 875.00	\$ 1,750.00
d.	23" x 14" Elliptical RCP	1	Each	\$ 3,400.00	\$ 3,400.00	\$ 2,500.00	\$ 2,500.00	\$ 2,530.00	\$ 2,530.00	\$ 825.00	\$ 825.00
e.	30" x 19" Elliptical RCP	1	Each	\$ 3,925.00	\$ 3,925.00	\$ 3,000.00	\$ 3,000.00	\$ 2,960.00	\$ 2,960.00	\$ 850.00	\$ 850.00
f.	38" x 24" Elliptical RCP	2	Each	\$ 4,450.00	\$ 8,900.00	\$ 4,000.00	\$ 8,000.00	\$ 3,465.00	\$ 6,930.00	\$ 875.00	\$ 1,750.00
8.	Concrete Straight Headwall										
a.	18" RCP	2	Each	\$ 1,475.00	\$ 2,950.00	\$ 1,250.00	\$ 2,500.00	\$ 1,520.00	\$ 3,040.00	\$ 750.00	\$ 1,500.00
b.	36" RCP	1	Each	\$ 3,450.00	\$ 3,450.00	\$ 3,000.00	\$ 3,000.00	\$ 2,540.00	\$ 2,540.00	\$ 1,000.00	\$ 1,000.00
9.	Catch Basin (TDOT Type 42)	1	Each	\$ 5,100.00	\$ 5,100.00	\$ 4,000.00	\$ 4,000.00	\$ 4,300.00	\$ 4,300.00	\$ 4,700.00	\$ 4,700.00

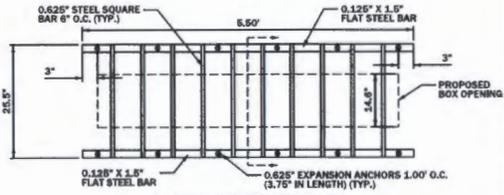
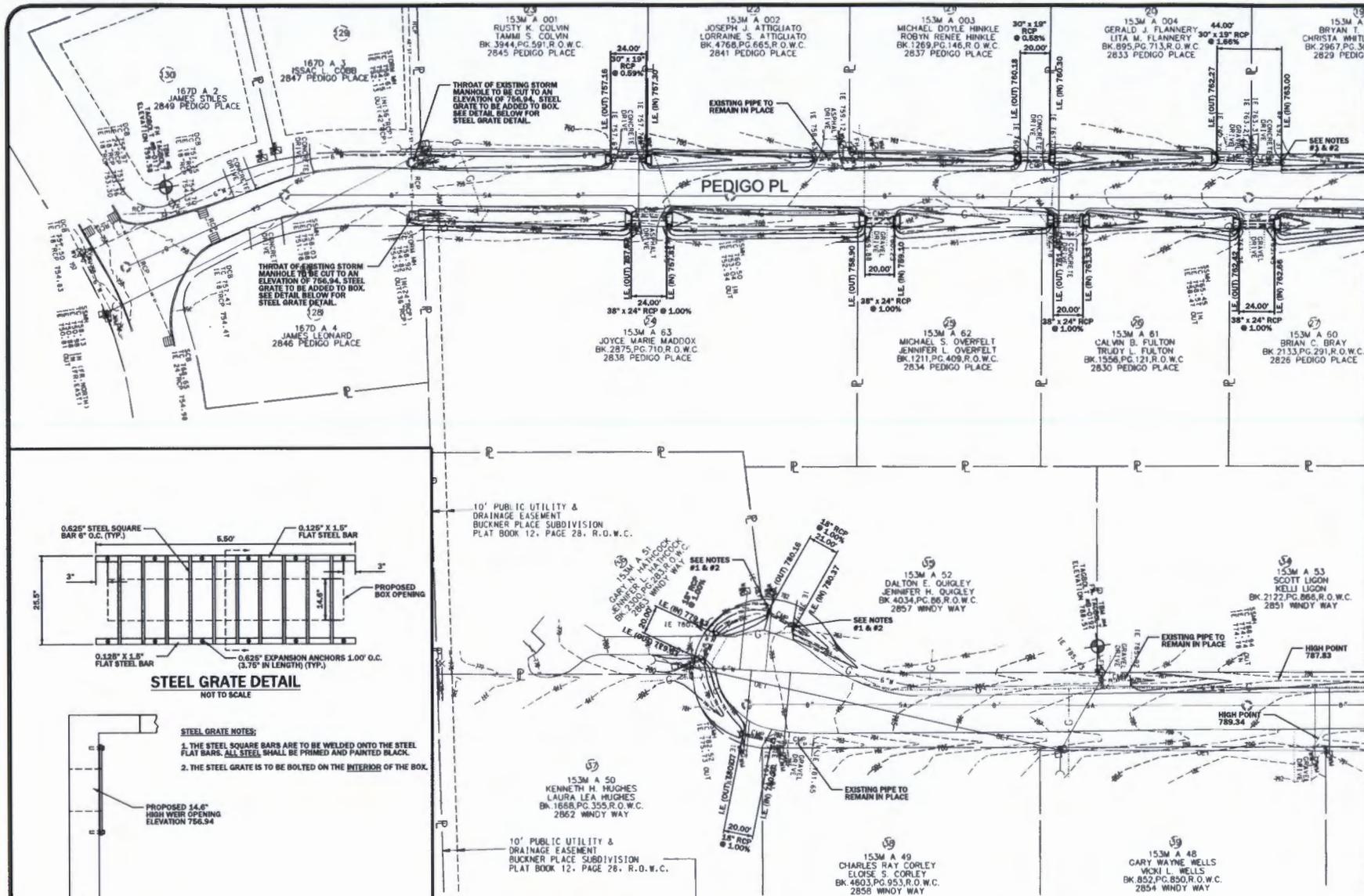
ITEM NO.	DESCRIPTION	EST. QTY	UNITS
10.	Steel Grates on Inside of Existing Structures	2	Each
11.	RCP to CMP Connection		
a.	24"	1	Each
12.	Pipe Connection to Existing Storm Structure	1	Each
13.	Regrade Ditch	7200	L.F.
14.	Driveway Repair		
a.	Gravel Driveway	1500	S.F.
b.	Concrete Driveway	1200	S.F.
c.	Exposed Aggregate Concrete Driveway	3100	S.F.
d.	Asphalt Driveway	900	S.F.
15.	Asphalt Roadway Repair	200	L.F.
16.	Erosion Control	1	LS
17.	Scour/Slope Failure Repairs		
a.	Scour Area #1	1	LS
b.	Scour Area #2	1	LS
c.	Scour Area #3	1	LS
d.	Scour Area #4	1	LS
e.	Eroded Slope	1	LS
f.	Grouted Riprap Channel	300	L.F.
18.	Erosion Control Blanket		
a.	Type I	11000	S.Y.
b.	Type II	1100	S.Y.
19.	Riprap at 2 Existing Storm Structures	1	LS
20.	Utility Service Relocation		
a.	Water Service Line	10	Each
b.	Water Meter	10	Each
c.	Sewer Service Line	10	Each
d.	Gas Service Line	10	Each
e.	Concrete Encasement	25	C.Y.
21.	Layout and Easement Staking	1	LS
			TOTAL BID

SBW CONSTRUCTORS LLC COTTONTOWN, TN	
UNIT PRICE	AMOUNT
\$ 3,700.00	\$ 7,400.00
\$ 750.00	\$ 750.00
\$ 1,500.00	\$ 1,500.00
\$ 5.00	\$ 36,000.00
\$ 1.00	\$ 1,500.00
\$ 7.50	\$ 9,000.00
\$ 9.00	\$ 27,900.00
\$ 7.50	\$ 6,750.00
\$ 110.00	\$ 22,000.00
\$ 10,000.00	\$ 10,000.00
\$ 20,000.00	\$ 20,000.00
\$ 30,000.00	\$ 30,000.00
\$ 32,000.00	\$ 32,000.00
\$ 7,500.00	\$ 7,500.00
\$ 10,000.00	\$ 10,000.00
\$ 145.00	\$ 43,500.00
\$ 2.50	\$ 27,500.00
\$ 3.00	\$ 3,300.00
\$ 4,500.00	\$ 4,500.00
\$ 750.00	\$ 7,500.00
\$ 950.00	\$ 9,500.00
\$ 825.00	\$ 8,250.00
\$ 600.00	\$ 6,000.00
\$ 250.00	\$ 6,250.00
\$ 9,500.00	\$ 9,500.00
\$584,304.00	

ADAMS CONTRACTING, LLC LEXINGTON, KY	
UNIT PRICE	AMOUNT
\$ 1,500.00	\$ 3,000.00
\$ 2,500.00	\$ 2,500.00
\$ 2,500.00	\$ 2,500.00
\$ 7.00	\$ 50,400.00
\$ 3.00	\$ 4,500.00
\$ 13.00	\$ 15,600.00
\$ 16.00	\$ 49,600.00
\$ 10.00	\$ 9,000.00
\$ 45.00	\$ 9,000.00
\$ 10,000.00	\$ 10,000.00
\$ 13,000.00	\$ 13,000.00
\$ 23,000.00	\$ 23,000.00
\$ 26,000.00	\$ 26,000.00
\$ 10,000.00	\$ 10,000.00
\$ 12,000.00	\$ 12,000.00
\$ 100.00	\$ 30,000.00
\$ 1.25	\$ 13,750.00
\$ 1.00	\$ 1,100.00
\$ 5,000.00	\$ 5,000.00
\$ 1,000.00	\$ 10,000.00
\$ 750.00	\$ 7,500.00
\$ 1,000.00	\$ 10,000.00
\$ 1,000.00	\$ 10,000.00
\$ 225.00	\$ 5,625.00
\$ 15,000.00	\$ 15,000.00
\$613,120.00	

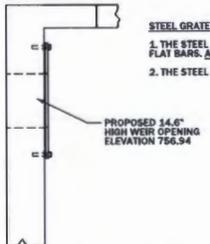
CIVIL CONSTRUCTORS, INC. FRANKLIN, TN	
UNIT PRICE	AMOUNT
\$ 1,100.00	\$ 2,200.00
\$ 220.00	\$ 220.00
\$ 2,775.00	\$ 2,775.00
\$ 18.80	\$ 135,360.00
\$ 1.25	\$ 1,875.00
\$ 8.75	\$ 10,500.00
\$ 10.25	\$ 31,775.00
\$ 5.70	\$ 5,130.00
\$ 66.00	\$ 13,200.00
\$ 36,375.00	\$ 36,375.00
\$ 7,950.00	\$ 7,950.00
\$ 10,560.00	\$ 10,560.00
\$ 13,130.00	\$ 13,130.00
\$ 2,350.00	\$ 2,350.00
\$ 3,000.00	\$ 3,000.00
\$ 70.00	\$ 21,000.00
\$ 1.50	\$ 16,500.00
\$ 2.00	\$ 2,200.00
\$ 930.00	\$ 930.00
\$ 275.00	\$ 2,750.00
\$ 200.00	\$ 2,000.00
\$ 500.00	\$ 5,000.00
\$ 250.00	\$ 2,500.00
\$ 100.00	\$ 2,500.00
\$ 25,160.00	\$ 25,160.00
\$615,180.00	

PARCHMAN CONSTRUCTION CUMBERLAND CITY, TN	
UNIT PRICE	AMOUNT
\$ 2,375.00	\$ 4,750.00
\$ 1,750.00	\$ 1,750.00
\$ 1,250.00	\$ 1,250.00
\$ 22.50	\$ 162,000.00
\$ 1.25	\$ 1,875.00
\$ 11.00	\$ 13,200.00
\$ 12.00	\$ 37,200.00
\$ 10.00	\$ 9,000.00
\$ 81.25	\$ 16,250.00
\$ 15,000.00	\$ 15,000.00
\$ 9,450.00	\$ 9,450.00
\$ 14,175.00	\$ 14,175.00
\$ 21,600.00	\$ 21,600.00
\$ 1,820.00	\$ 1,820.00
\$ 8,950.00	\$ 8,950.00
\$ 66.00	\$ 19,800.00
\$ 3.50	\$ 38,500.00
\$ 4.00	\$ 4,400.00
\$ 1,875.00	\$ 1,875.00
\$ 375.00	\$ 3,750.00
\$ 450.00	\$ 4,500.00
\$ 1,875.00	\$ 18,750.00
\$ 1,250.00	\$ 12,500.00
\$ 150.00	\$ 3,750.00
\$ 31,250.00	\$ 31,250.00
\$637,883.50	



STEEL GRATE DETAIL
NOT TO SCALE

- STEEL GRATE NOTES:**
1. THE STEEL SQUARE BARS ARE TO BE WELDED ONTO THE STEEL FLAT BARS. ALL STEEL SHALL BE PRIMED AND PAINTED BLACK.
 2. THE STEEL GRATE IS TO BE BOLTED ON THE INTERIOR OF THE BOX.



CROSS SECTION VIEW
NOT TO SCALE

NOTES:

1. THE EXISTING EXPOSED AGGREGATE HEADWALLS WHICH ARE POURED MONOLITHICALLY WITH THE DRIVEWAY SHALL BE REINSTALLED AS SUCH. THE HEADWALL SHALL EXTEND AS A CURB 6-INCHES ABOVE THE DRIVEWAY AND 12-INCHES ON EACH SIDE OF THE CULVERT. THE HEADWALL SHALL BE POURED SO THAT IT EXTENDS AT LEAST 6-INCHES BELOW THE FLOW LINE OF THE PIPE.
2. DRIVEWAYS WITHOUT A WINGED HEADWALL SHALL BE POURED VERTICALLY DOWN EACH SIDE TO A DEPTH OF AT LEAST 6 INCHES BELOW FINISHED GRADE. THE VERTICAL SIDEWALLS SHALL BE 6-INCHES THICK.
3. ALL OTHER HEADWALLS SHALL BE WINGED HEADWALLS EITHER POURED IN PLACE OR PRECAST. IF PRECAST, THE HEADWALLS SHALL BE THE MINIMUM SIZES NECESSARY TO FIT THE DRAINAGE PIPE (I.E. THEY SHALL NOT BE EXCESSIVELY TALL OR WIDE). THE HEADWALLS SHALL NOT EXTEND ABOVE THE DRIVEWAY SURFACE MORE THAN 6-INCHES. THE HEADWALLS SHALL BE CUSTOM MADE TO FIT THE ELLIPTICAL PIPES.

MATCH LINE SEE SHEET 06

DEMPSEY, DILLING & ASSOCIATES, P.C.
Engineering Consultants
www.dempseydilling.com



DATE: APRIL 2015
DRAWING BY: BRADMAN
CHECKED BY: HALL
APPROVED BY: HALL

PROPOSED LAYOUT SHEET 1
MS4 CAPITAL IMPROVEMENT PROJECT #3
BUCKNER PLACE SUBDIVISION
CITY OF SPRING HILL
WILLIAMSON COUNTY, TENNESSEE

REV	DESCRIPTION	DATE

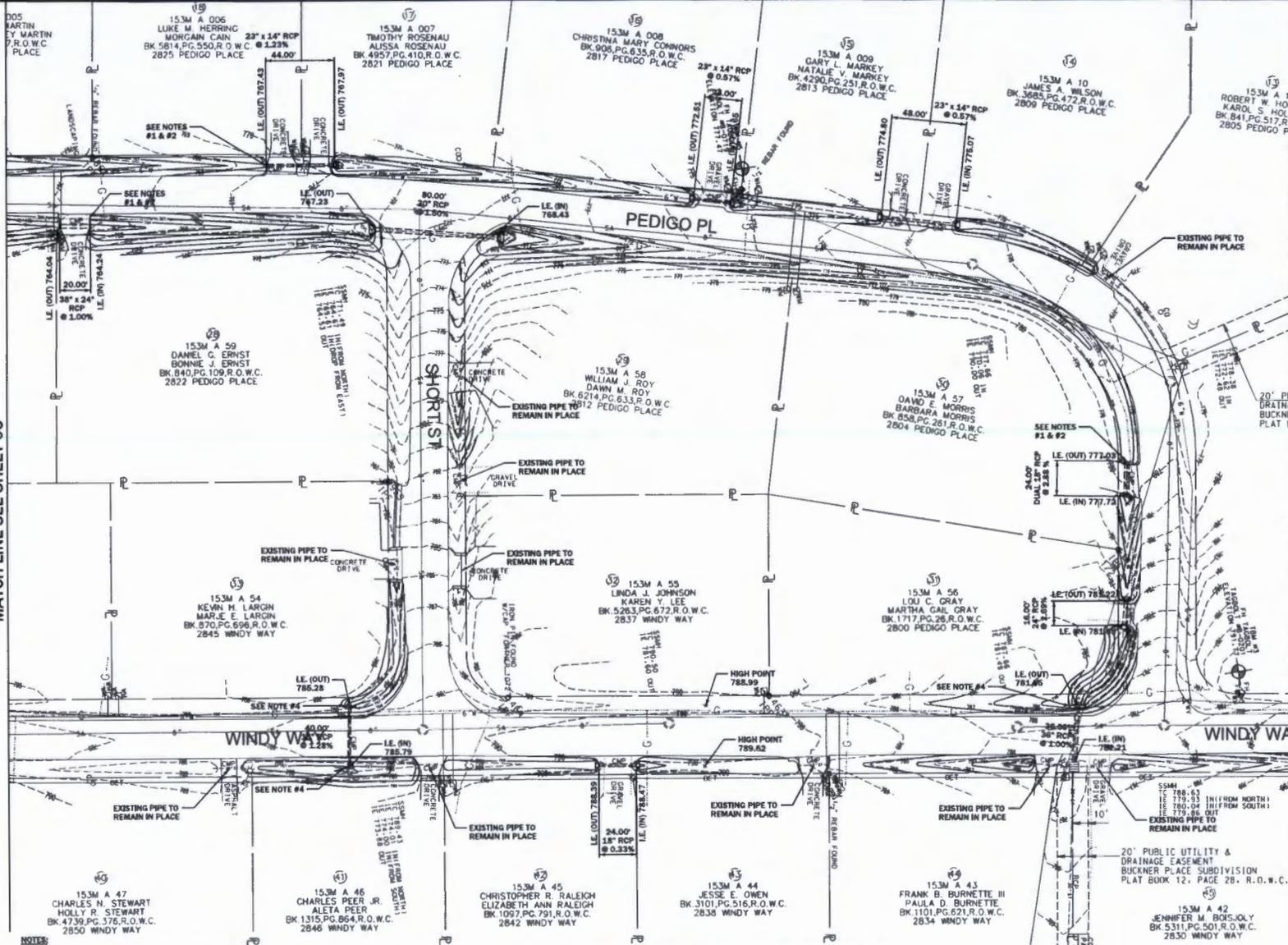
SHEET NO. **5**



DATE: 01/15/15

MATCH LINE SEE SHEET 05

MATCH LINE SEE SHEET 07



- NOTES:**
1. THE EXISTING EXPOSED AGGREGATE HEADWALLS WHICH ARE POURED MONOLITHICALLY WITH THE DRIVEWAY SHALL BE REINSTALLED AS SUCH. THE HEADWALL SHALL EXTEND AS A CURB 6-INCHES ABOVE THE DRIVEWAY AND 12-INCHES ON EACH SIDE OF THE CULVERT. THE HEADWALL SHALL BE POURED SO THAT IT EXTENDS AT LEAST 6-INCHES BELOW THE FLOW LINE OF THE PIPE.
 2. DRIVEWAYS WITHOUT A WINGED HEADWALL SHALL BE POURED VERTICALLY DOWN EACH SIDE TO A DEPTH OF AT LEAST 6 INCHES BELOW FINISHED GRADE. THE VERTICAL SIDEWALLS SHALL BE 6-INCHES THICK.
 3. ALL OTHER HEADWALLS SHALL BE WINGED HEADWALLS EITHER POURED IN PLACE OR PRECAST. IF PRECAST, THE HEADWALLS SHALL BE THE MINIMUM SIZES NECESSARY TO FIT THE DRAINAGE PIPE (I.E. THEY SHALL NOT BE EXCESSIVELY TALL OR WIDE). THE HEADWALLS SHALL NOT EXTEND ABOVE THE DRIVEWAY SURFACE MORE THAN 6-INCHES. THE HEADWALLS SHALL BE CUSTOM MADE TO FIT THE ELLIPTICAL PIPES.
 4. ROADWAY CULVERT HEADWALL SHALL BE A STRAIGHT HEADWALL. REFER TO THE STANDARD DETAIL SHEET.

DEMPSEY, DILLING & ASSOCIATES, P.C.
 Engineering Consultants
 502 Hazelwood Drive
 Smyrna, Tennessee 37187
 ph. (615) 220-5800 fax (615) 220-5886
 www.dempseydilling.com

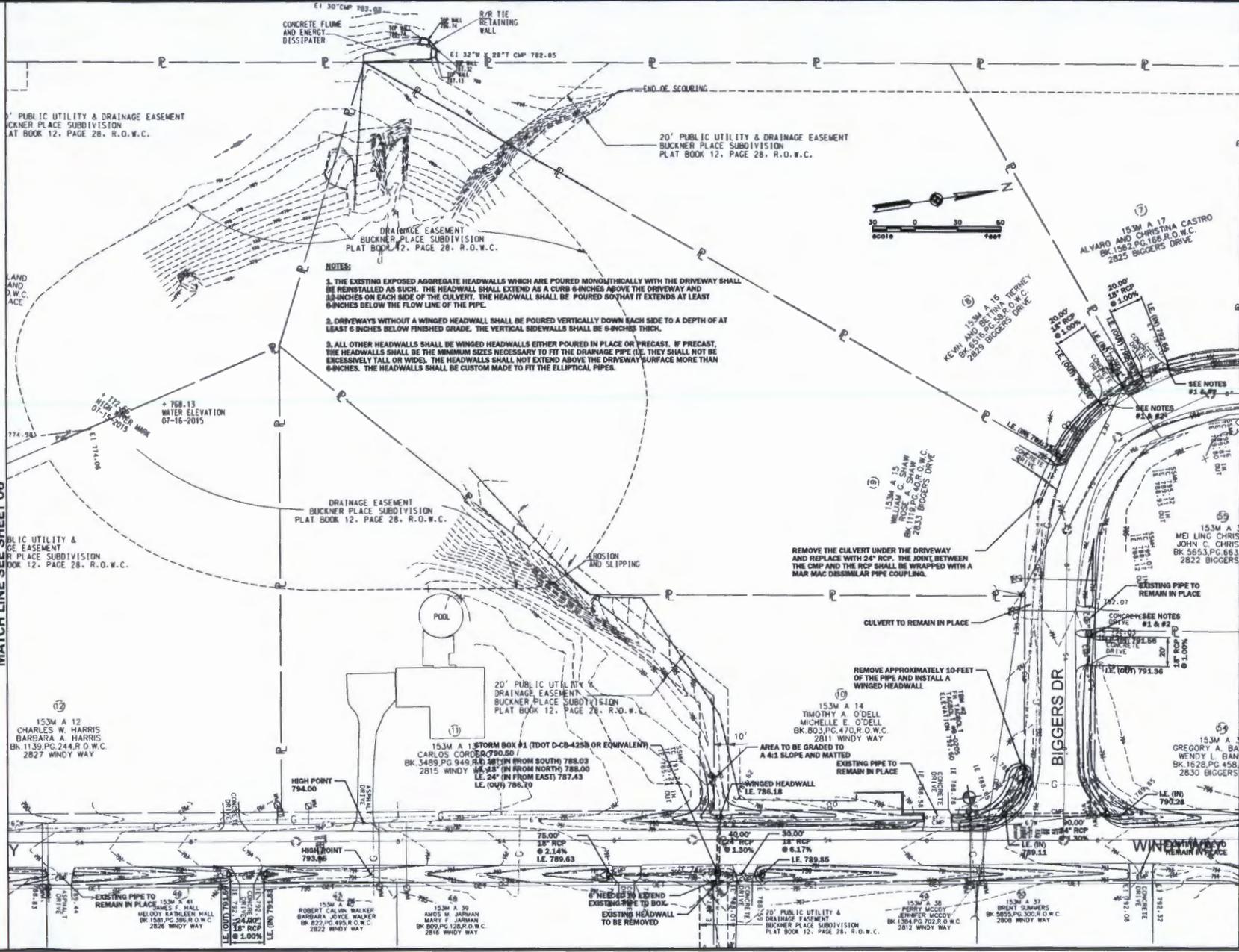
PROPOSED LAYOUT SHEET 2
MS4 CAPITAL IMPROVEMENT PROJECT #3
BUCKNER PLACE SUBDIVISION
CITY OF SPRING HILL
WILLIAMSON COUNTY, TENNESSEE

DATE:	JUNE 2013
DRAWN BY:	SP488888
CHECKED BY:	WJL
APPROVED BY:	
SCALE:	AS SHOWN
SHEET NO.:	6

DATE: 07/26/06

MATCH LINE SEE SHEET 06

MATCH LINE SEE SHEET 08



- NOTES:**
1. THE EXISTING EXPOSED AGGREGATE HEADWALLS WHICH ARE POURED MONOLITHICALLY WITH THE DRIVEWAY SHALL BE REINSTALLED AS SUCH. THE HEADWALL SHALL EXTEND AS A CURB 6-INCHES ABOVE THE DRIVEWAY AND 18-INCHES ON EACH SIDE OF THE CULVERT. THE HEADWALL SHALL BE POURED SO THAT IT EXTENDS AT LEAST 6-INCHES BELOW THE FLOW LINE OF THE PIPE.
 2. DRIVEWAYS WITHOUT A WINGED HEADWALL SHALL BE POURED VERTICALLY DOWN EACH SIDE TO A DEPTH OF AT LEAST 6 INCHES BELOW FINISHED GRADE. THE VERTICAL SIDEWALLS SHALL BE 6-INCHES THICK.
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DEMPSEY, DILLING & ASSOCIATES, P.C.
 Engineering Consultants
 502 Hazelwood Drive
 Smyrna, Tennessee 37167
 ph. (615) 220-5800 fax (615) 220-5888
 www.dempseydilling.com

**PROPOSED LAYOUT SHEET 3
 MS4 CAPITAL IMPROVEMENT PROJECT #3
 BUCKNER PLACE SUBDIVISION
 CITY OF SPRING HILL
 WILLIAMSON COUNTY, TENNESSEE**

DATE: JUNE 2016
 DRAWING BY: BROADBENT
 CHECKED BY: HALL
 APPROVED BY: HALL

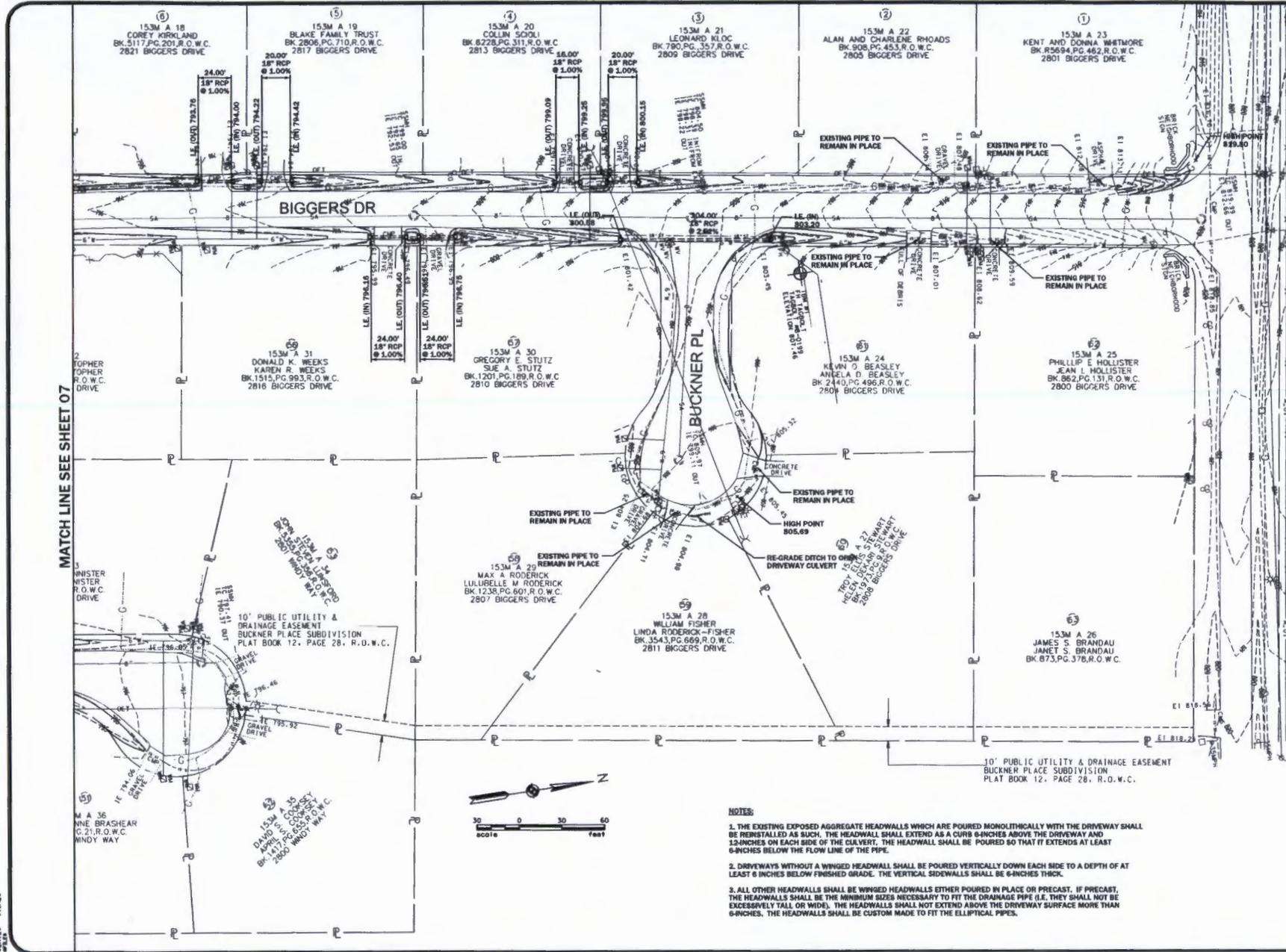
REV	DESCRIPTION	DATE

SHEET NO. **7**

JOB NO.: 0308-078

SOUTH
STREET

MATCH LINE SEE SHEET 07



NOTES:

1. THE EXISTING EXPOSED AGGREGATE HEADWALLS WHICH ARE POURED MONOLITHICALLY WITH THE DRIVEWAY SHALL BE REINSTALLED AS SUCH. THE HEADWALL SHALL EXTEND AS A CURB 6-INCHES ABOVE THE DRIVEWAY AND 12-INCHES ON EACH SIDE OF THE CULVERT. THE HEADWALL SHALL BE POURED SO THAT IT EXTENDS AT LEAST 6-INCHES BELOW THE FLOW LINE OF THE PIPE.
2. DRIVEWAYS WITHOUT A WINGED HEADWALL SHALL BE POURED VERTICALLY DOWN EACH SIDE TO A DEPTH OF AT LEAST 6 INCHES BELOW FINISHED GRADE. THE VERTICAL SIDEWALLS SHALL BE 6-INCHES THICK.
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DEMPSEY, DILLING & ASSOCIATES, P.C.
 Engineering Consultants
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PROPOSED LAYOUT SHEET 4
MS4 CAPITAL IMPROVEMENT PROJECT #3
BUCKNER PLACE SUBDIVISION
CITY OF SPRING HILL
WILLIAMSON COUNTY, TENNESSEE

REV	DESCRIPTION	DATE

SHEET NO. **8**

JOB NO. 060879