

Received
WILLIAMSON COUNTY, TEXAS
CHANGE ORDER NUMBER: 22 2018

Received
MAY 22 2018

1. CONTRACTOR: Chasco Constructors HNTB Corporation
Round Rock
2. Change Order Work Limits: Sta. 91+30 to Sta. 183+14.86
3. Type of Change (on federal-aid non-exempt projects): Minor (Major/Minor)
4. Reasons: 3F, 2C, 2E (3 Max. - In order of importance - Primary first)

Project:	<u>1706-168</u>
Roadway:	<u>Inner Loop</u> <u>Improvements</u>
CSJ Number:	

5. Describe the work being revised:

3F: County Convenience. Additional work desired by the County. This Change Order pays for various additional items of work on the Central Maintenance portion of the project that include: excavation of unsuitable material encountered at subgrade and embanking quality material in its place, level up asphalt on the existing pavement, reconstruction of the remaining portion of the County Annex parking lot, relocation of the existing force main outside the limits of new parking lots, installation of conduit sleeves under the new parking lot for future irrigation and a revised seed mixture to match the existing campus lawn. **2C: Differing Site Conditions. New development (conditions changing after PS&E completed).** Changes at the Wilco Way portion of the project include overrun in excavation cost due to change in the Construction Sequence requested by TCEQ and changes to the seed mixture. **2E: Differing Site Conditions (unforeseeable).** Miscellaneous difference in site conditions (unforeseeable)(item 9). Pay item for 18" deep pavement repair (351-6011) will be deleted. The item will not be used because the repair of failures in the existing pavement does not require it.

6. Work to be performed in accordance with Items: See attached
7. New or revised plan sheet(s) are attached and numbered: refer to redline plan sheets
8. New Special Provisions/Specifications to the contract are attached: No
9. New Special Provisions to Item N/A No. N/A, Special Specification Item N/A are attached.
- Each signatory hereby warrants that each has the authority to execute this Change Order (CO).

The contractor must sign the Change Order and, by doing so, agrees to waive any and all claims for additional compensation due to any and all other expenses; additional changes for time, overhead and profit; or loss of compensation as a result of this change. THE CONTRACTOR Date <u>5-21-18</u> By <u>[Signature]</u> Typed/Printed Name <u>BILL BAMBRICK</u> Typed/Printed Title <u>SR. PM</u>	The following information must be provided Time Ext. #: <u>N/A</u> Days added on this CO: <u>0</u> Amount added by this change order: <u>\$37,681.73</u>
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RECOMMENDED FOR EXECUTION:

[Signature] 5/22/18
Project Manager Date

N/A
Design Engineer Date

[Signature] 5/24/18
Program Manager Date

Design Engineer's Seal:

See attached plan sheets

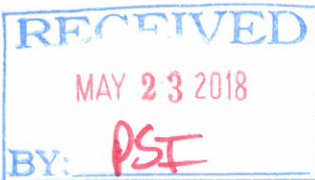
County Commissioner Precinct 1 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 2 Date
☐ APPROVED ☐ REQUEST APPROVAL

Valerie Covey 6/5/18
County Commissioner Precinct 3 Date
☐ APPROVED ☐ REQUEST APPROVAL
Presiding Officer

County Commissioner Precinct 4 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Judge Date
☐ APPROVED



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Project: 1706-168
Roadway: Inner Loop HNTB Corporation
CSJ Number: Improvements Round Rock

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RECOMMENDED FOR EXECUTION:

[Signature] 5/24/18
Project Manager Date

N/A
Design Engineer Date

[Signature] 5/24/18
Program Manager Date

Design Engineer's Seal:

See attached plan sheets

County Commissioner Precinct 1 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 2 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 3 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 4 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Judge Date
☐ APPROVED

Project # 1706-168

[illegible]

ITEM	DESCRIPTION	UNIT	UNIT PRICE	ORIGINAL + PREVIOUSLY REVISED		NEW		OVERRUN/ UNDERRUN
				QUANTITY	ITEM COST	QUANTITY	ITEM COST	
	Inner Loop at Central Maintenance							
104-6022	REMOVING CONC (CURB AND GUTTER)	SY	\$23.00	116	\$2,668.00	89.00	\$4,715.00	\$2,047.00
105-6036	REMOVING STAB BASE & ASPH PAV (15"-20")	SY	\$2.00	0	\$0.00	860.00	\$1,720.00	\$1,720.00
110-6001	EXCAVATION (ROADWAY)	CY	\$8.00	8,169	\$65,352.00	2,000.00	\$81,352.00	\$16,000.00
132-6003	EMBANKMENT (FINAL)ORD COMP(TY B)	CY	\$12.00	4,830	\$57,960.00	1,954.00	\$81,408.00	\$23,448.00
161-WC01	EROSION CONTROL COMPOST (3")	SY	\$2.50	6,781	\$16,952.50	(6,781.00)	\$0.00	(\$16,952.50)
162-WC103	MULCH TOPDRESSING (5")	SY	\$7.00	6,781	\$47,467.00	(6,781.00)	\$0.00	(\$47,467.00)
164-WC04	SEEDING FOR EROSION CONTROL (TEMP)(COOL)(TY4)	SY	\$0.20	11,381	\$2,276.20	(11,381.00)	\$0.00	(\$2,276.20)
164-WC05	SEEDING FOR EROSION CONTROL(PERM)(WARM)(TY5)	SY	\$0.25	20,582	\$5,145.50	(20,582.00)	\$0.00	(\$5,145.50)
164-WC07	SEEDING FOR EROSION CONTROL (TEMP & PERM)(TY7)	SY	\$0.60	1,767	\$1,060.20	(1,767.00)	\$0.00	(\$1,060.20)
164-WC10	SEEDING FOR EROSION CONTROL (TEMP)(WARM)(TY10)	SY	\$0.15	13,564	\$2,034.60	(13,564.00)	\$0.00	(\$2,034.60)
164-WC05A	SEEDING FOR EROSION CONTROL (TY 5) MODIFIED	SY	\$0.30	0	\$0.00	27,127.00	\$8,138.10	\$8,138.10
169-WC01	SOIL RETENTION BLANKET (FLEX TERRA)	SY	\$1.03	0	\$0.00	27,127.00	\$27,940.81	\$27,940.81
341-6008	D-GR HMA TY-B PG 64-22	TON	\$68.00	2,615	\$177,820.00	226.00	\$193,188.00	\$15,368.00
341-6066	D-GR HMA TY-C PG 64-22 (LEVEL UP)	TON	\$105.00	462	\$48,510.00	950.00	\$148,260.00	\$99,750.00
351-6001	FLEXIBLE PAVEMENT REPAIR (5")	SY	\$33.00	0	\$0.00	800.00	\$26,400.00	\$26,400.00
351-6011	FLEXIBLE PAVEMENT REPAIR (18")	SY	\$95.00	2,186	\$207,670.00	(2,186.00)	\$0.00	(\$207,670.00)
529-6030	CONC CURB & GUTTER (VALLEY GUTTER)	LF	\$13.00	1,752	\$22,776.00	470.00	\$28,886.00	\$6,110.00
530-6005	DRIVEWAYS (ACP)	SY	\$48.00	3,122	\$149,856.00	860.00	\$191,136.00	\$41,280.00
999-WC04	FORCE MAIN: CUT/CONNECT	EA	\$1,000.00	0	\$0.00	2.00	\$2,000.00	\$2,000.00
999-WC05	FORCE MAIN: 2" CONDUIT (PVC)	LF	\$25.00	0	\$0.00	420.00	\$10,500.00	\$10,500.00
999-WC06	FORCE MAIN: SURVEY LAYOUT	LS	\$815.00	0	\$0.00	1.00	\$815.00	\$815.00
999-WC07	FORCE MAIN: CONTRACTOR'S BOND	LS	\$263.00	0	\$0.00	1.00	\$263.00	\$263.00
999-WC08	FORCE MAIN: ABANDONED/REMOVE	LS	\$660.00	0	\$0.00	1.00	\$660.00	\$660.00
999-WC09	CONDUIT FOR SLEEVES (2 X 6")(PVC)(SCH 40)	LF	\$70.00	0	\$0.00	200.00	\$14,000.00	\$14,000.00
999-WC09A	SURVEY LAYOUT AND BOND FOR SLEEVES	LS	\$355.00	0	\$0.00	1.00	\$355.00	\$355.00
TOTALS					\$807,548.00		\$821,736.91	\$14,188.91

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 2

Project #

1706-168

TABLE B: Contract Items (Continued)

ITEM	DESCRIPTION	UNIT	UNIT PRICE	ORIGINAL + PREVIOUSLY REVISED		ADD or (DEDUCT)	NEW		OVERRUN/ UNDERRUN
				QUANTITY	ITEM COST		QUANTITY	ITEM COST	
	Inner Loop at Wilco Way								
110-6001	EXCAVATION (ROADWAY)	CY	\$8.00	1,907	\$15,256.00		11,275.00	\$90,200.00	\$74,944.00
161-WC01	EROSION CONTROL COMPOST (3")	SY	\$2.50	6,097	\$15,242.50		0.00	\$0.00	(\$15,242.50)
162-WC103	MULCH TOPDRESSING (5")	SY	\$7.00	6,097	\$42,679.00		0.00	\$0.00	(\$42,679.00)
164-WC04	SEEDING FOR EROSION CONTROL (TEMP)(COOL)(TY4)	SY	\$0.20	16,979	\$3,395.80		0.00	\$0.00	(\$3,395.80)
164-WC05	SEEDING FOR EROSION CONTROL (PERM)(WARM)(TY5)	SY	\$0.25	33,958	\$8,489.50		0.00	\$0.00	(\$8,489.50)
164-WC10	SEEDING FOR EROSION CONTROL (TEMP)(WARM)(TY10)	SY	\$0.15	16,979	\$2,546.85		0.00	\$0.00	(\$2,546.85)
164-WC05A	SEEDING FOR EROSION CONTROL (TY 5) MODIFIED	SY	\$0.30	0	\$0.00		24,389.00	\$7,316.70	\$7,316.70
169-WC01	SOIL RETENTION BLANKET (FLEXTERRA)	SY	\$1.03	0	\$0.00		24,389.00	\$25,120.67	\$25,120.67
169-6001	SOIL RETENTION BLANKET (CL 1)(TY A)	SY	\$1.30	8,873	\$11,534.90		0.00	\$0.00	(\$11,534.90)
The "Totals" from Table B of the previous work sheet:					\$807,548.00			\$821,736.91	\$14,188.91
TOTALS					\$906,692.55			\$944,374.28	\$37,681.73

CHANGE ORDER REASON(S) CODE CHART

1. Design Error or Omission	1A. Incorrect PS&E 1B. Other
2. Differing Site Conditions (unforeseeable)	2A. Dispute resolution (expense caused by conditions and/or resulting delay) 2B. Unavailable material 2C. New development (conditions changing after PS&E completed) 2D. Environmental remediation 2E. Miscellaneous difference in site conditions (unforeseeable)(Item 9) 2F. Site conditions altered by an act of nature 2G. Unadjusted utility (unforeseeable) 2H. Unacquired Right-of-Way (unforeseeable) 2I. Additional safety needs (unforeseeable) 2J. Other
3. County Convenience	3A. Dispute resolution (not resulting from error in plans or differing site conditions) 3B. Public relations improvement 3C. Implementation of a Value Engineering finding 3D. Achievement of an early project completion 3E. Reduction of future maintenance 3F. Additional work desired by the County 3G. Compliance requirements of new laws and/or policies 3H. Cost savings opportunity discovered during construction 3I. Implementation of improved technology or better process 3J. Price adjustment on finished work (price reduced in exchange for acceptance) 3K. Addition of stock account or material supplied by state provision 3L. Revising safety work/measures desired by the County 3M. Other
4. Third Party Accommodation	4A. Failure of a third party to meet commitment 4B. Third party requested work 4C. Compliance requirements of new laws and/or policies (impacting third party) 4D. Other
5. Contractor Convenience	5A. Contractor exercises option to change the traffic control plan 5B. Contractor requested change in the sequence and/or method of work 5C. Payment for Partnering workshop 5D. Additional safety work/measures desired by the contractor 5E. Other
6. Untimely ROW/Utilities	6A. Right-of-Way not clear (third party responsibility for ROW) 6B. Right-of-Way not clear (County responsibility for ROW) 6C. Utilities not clear 6D. Other

Williamson County Road Bond Program

Inner Loop Improvements Williamson County Project No. 1706-168

Change Order No. 2

Reason for Change

This Change Order pays for various adjustments/addition of items of work on the project. Changes on the Central Maintenance portion of the project include: excavation of unsuitable material encountered at subgrade and embanking quality material in its place, addition of level up asphalt on the existing pavement, reconstruction of the remaining portion of the County Annex parking lot, relocation of the existing force main outside the limits of the new parking lots, installation of conduit sleeves under the new parking lot for future irrigation, revision of the seed mixture to match the existing campus lawn and deletion of the pay item for 18" deep pavement repair. Changes on the Wilco Way portion of the project include the overrun of excavation cost due to changes in the construction sequence requested by TCEQ and changes to the seed mixture.

Unsuitable material was encountered at subgrade in the County annex parking lot and in various locations under the roadway widening. The unsuitable material was removed to a depth of 1 foot and replaced with good material to improve the quality of the subgrade. Level up hot mix was added to the project to correct the cross slope of the existing pavement to match the cross slope of the proposed roadway widening. The reconstruction of the remaining portion of the County Annex parking lot was added to the project because of extensive deterioration of the existing pavement. This added quantity for removal and replacement of the existing asphalt parking lot and adjacent valley curb. Seed items were revised to match the existing grass at the County facility campuses. The 5" deep pavement repair item was overrun to make repairs in the existing pavement. The 18" deep pavement repair item was deleted because the failures in the existing pavement did not require it. The existing force main located under the limits of the new parking lot was in conflict with the required excavation and was relocated. The installation of the new force main will allow the old force main to be abandoned. Additional 6" PVC conduit sleeves were added for future use.

The TCEQ permit required the Detention Pond be in service prior to work on the WilCo Way roadway construction, which resulted in the Contractor having to stockpile pond excavation and then re-handle material for subgrade preparation. The seed mixture on the WilCo Way portion was changed to match existing ground cover.

The following summarizes the new Contract item required for this Change Order. The unit rate submitted by the Contractor is consistent with the County and TxDOT average low bid unit price.

ITEM	DESCRIPTION	QTY	UNIT
164-WC05A	Seeding for Erosion Control (Ty 5) Modified	51,516.00	SY
169-WC01	Soil Retention Blanket (Flexterra)	51,516.00	SY
999-WC04	Force Main: Cut and Connect	2.00	EA
999-WC05	Force Main: 2" Conduit PVC install	420.00	LF
999-WC06	Force Main: Survey Layout	1.00	LS
999-WC07	Force Main: Contractor Bond	1.00	LS
999-WC08	Force Main: Abandoned/Remove	1.00	LS
999-WC09	Conduit for Sleeves (2 x 6")(PVC)(SCH 40)	200.00	LF
999-WC09A	Survey layout and bond for sleeves	1.00	LS

This Change Order results in a net increase of \$37,681.73 to the Contract amount, for an adjusted Contract total of \$5,396,428.13. The original Contract amount was \$5,352,696.00. As a result of this and all Change Orders to-date, \$43,732.13 has been added to the Contract, resulting in a 0.82% net increase in the Contract cost. No additional days will be added to or deducted from the Contract as a result of this Change Order.

HNTB Corporation

James Klotz, P.E.

PROJECT: 1706-168 INNER LOOP - FORCE MAIN

BIDDER: CHASCO CONSTRUCTORS

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
1	CUT AND TIE IN AT FORCE MAIN	2	EA	\$1,000.00	\$ 2,000.00 ✓
2	NEW 2" PVC FORCE MAIN	420	LF	\$25.00	\$ 10,500.00 ✓
3	ABANDON/REMOVE EXISTING FORCE MAIN IN CONFLICT WITH EXCAVATION	1	LS	\$660.00	\$ 660.00 ✓
4	LAYOUT	1	LS	\$815.00	\$ 815.00 ✓
5	TOPSOIL & REVEG.	1	LS	\$1,050.00	\$ 1,050.00 ✓
6	P&P BOND	1	LS	\$263.00	\$ 263.00 ✓
					\$ 15,288.00 ✓

14236.00

EXCLUSIONS

- 1 Location of existing utilities
- 2 Repair, relocate, adjustments to existing utilities including phone, fiber, gas, etc.
- 3 Repair, relocate, adjustments to landscaping & irrigation
- 4 Removal of existing forcemain outside of new pavements

→ TOPSOIL AND REVEGETATION WILL BE PAID
USING EXISTING BID ITEMS INSTEAD OF
THIS SEPARATE ITEM.

REFER TO ATTACHED REDLINE PLAN
SHEETS FOR LOCATION.

PROJECT: 1706-168 INNER LOOP - 6" SLEEVES- REV

BIDDER:

CHASCO CONSTRUCTORS

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
1	2-6" SCH 40 SLEEVES W/ RISERS (THREE LOCATIONS) <i>FOUR</i>	160 <i>200</i>	LF	\$70.00	\$ 11,200.00
2	LAYOUT	1	LS	\$250.00	\$ 250.00
3	TRENCH SAFETY	160	LF	\$2.50	\$ 400.00
4	P&P BOND	1	LS	\$105.00	\$ 105.00
					\$ 11,955.00

14000.00
355.00
14355.00

Refer to attached redline plan sheets for
location

ROADWAY SPECIALTIES, INC.

P. O. Box 90309

Austin, TX 78709

PHONE (512) 280-6666

FAX (512) 280-6066

Invoice Date: 4/30/2018

Invoice No: 041850

Estimate No: 1

Dates: Thru 4/25/2018

RSI Job No: 5572

Chasco Construc

Chasco Constructors

P.O. Box 1057

Round Rock, TX 78680

OWNER: WILLIAMSON COUNTY

PROJECT: INNER LOOP IMPROVEMENTS

INFO:

PHONE: (512) 244-0600

FAX: (512) 244-0489

Item Description	Unit Meas	Original Contract Quantity	Unit Price	Original Contract Amount	Change Order Quantity	Change Order Amount	Previous Estimate Quantity	This Estimate Quantity	Amount This Period	Total To Date Quantity	Total To Date Amount
DELETE THESE ITEMS											
Seeding (Temp)(Cool)(Ty 4)	SY	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Seeding (Perm)(Warm)(Ty 5)	SY	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Seeding (Temp & Perm)(Ty 7)	SY	0.00	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Seeding (Temp)(Warm)(Ty 10)	SY	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fertilizer 13-13-13	TON	0.00	770.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Soil Retention Blanket (CI-1)(Ty-A)	SY	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REVISION 2 (3-23-18)											
HYDROMULCH TABLE 5 W/HULLED BERMUDA	SY	61,085.00	0.29	17,714.65	0.00	0.00	0.00	15,700.00	4,553.00	15,700.00	4,553.00
FLEXTERRA	SY	61,085.00	0.98	59,863.30	0.00	0.00	0.00	15,700.00	15,386.00	15,700.00	15,386.00
FERTILIZER	TON	3.40	770.00	2,618.00	0.00	0.00	0.00	0.88	677.60	0.88	677.60
Totals				80,195.95		0.00			20,616.60		20,616.60

Please remit payment to:

Roadway Specialties, Inc
P. O. Box 90309
Austin, TX 78709

Please include RSI invoice # on payment.

Project to Date

Current Month

Total To Date	\$20,616.60	Current Billing	\$20,616.60
Less Retainage	\$0.00	Current Retainage	\$0.00
Less Previous Invoices	\$0.00	Current Deducts	
Amount Due This Estimate	\$20,616.60	Current Amount Due	\$20,616.60

$$.29 \times 1.05 = 0.3045 = 0.30 / \text{sy}$$

$$.98 \times 1.05 = 1.029 = 1.03 / \text{sy}$$

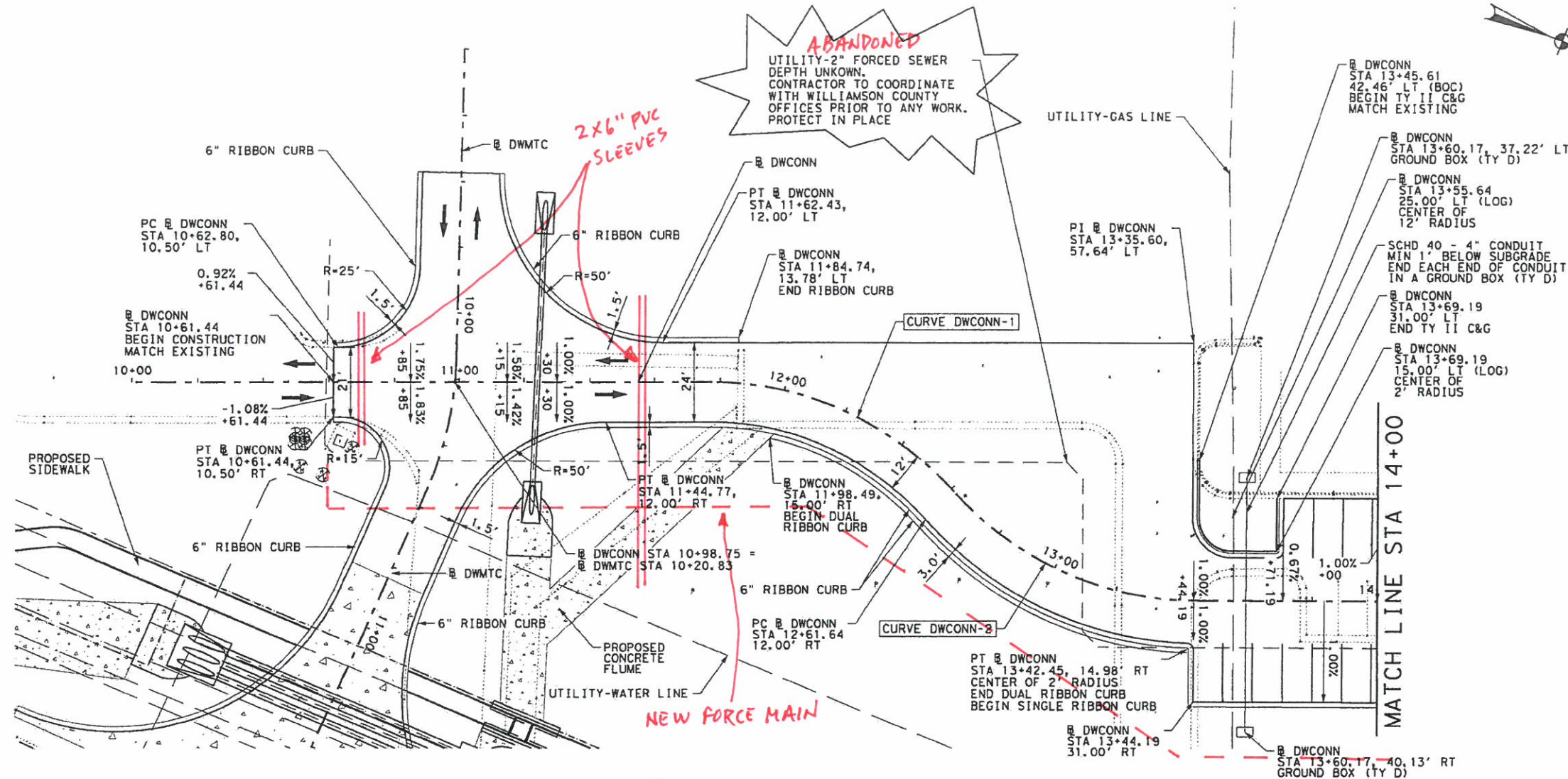
Prime Contractor Mark = 5%

6/26/2017 10:22:56 AM

CWM

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SCALE: 1" = 40' HORIZONTAL
1" = 4' VERTICAL

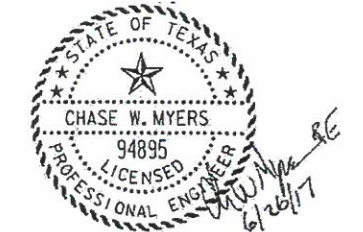
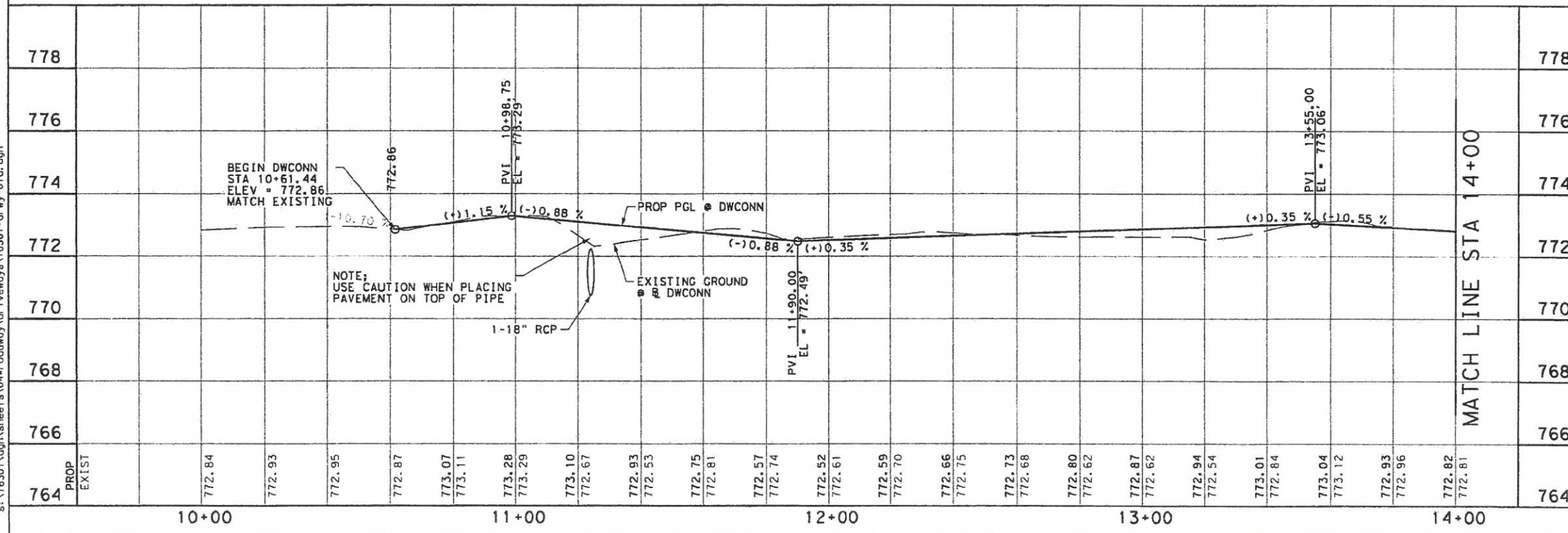


LEGEND

- DIRECTION ARROWS
- RIGHT OF WAY (ROW)

NOTES:

- ALL DIMENSIONS ARE TO LANE LINE OR EOP, UNLESS NOTED OTHERWISE.
- ALL SUPER ELEVATION TRANSITIONS ARE PARABOLIC.
- REFER TO "HORIZONTAL ALIGNMENT DATA" SHEET FOR HORIZONTAL ALIGNMENT INFORMATION.
- REFER TO "DRAINAGE" SHEETS FOR CULVERT AND DRAINAGE INFORMATION.
- REFER TO "SIDEWALK P&P" SHEETS FOR SIDEWALK DESIGN INFORMATION.



BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
TBPB REGISTRATION NO. 264

GEORGETOWN INNER LOOP
CENTRAL MAINTENANCE FACILITY
DRIVEWAY LAYOUT
DWCONN

SCALE: 1" = 40' HORIZONTAL
1" = 4' VERTICAL

SHEET 1 OF 4

DESIGN KA	GRAPHICS AKH	CHECK CWM	CHECK WD	SHEET NO. 93
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50 0 50 100
SCALE: 1" = 100'

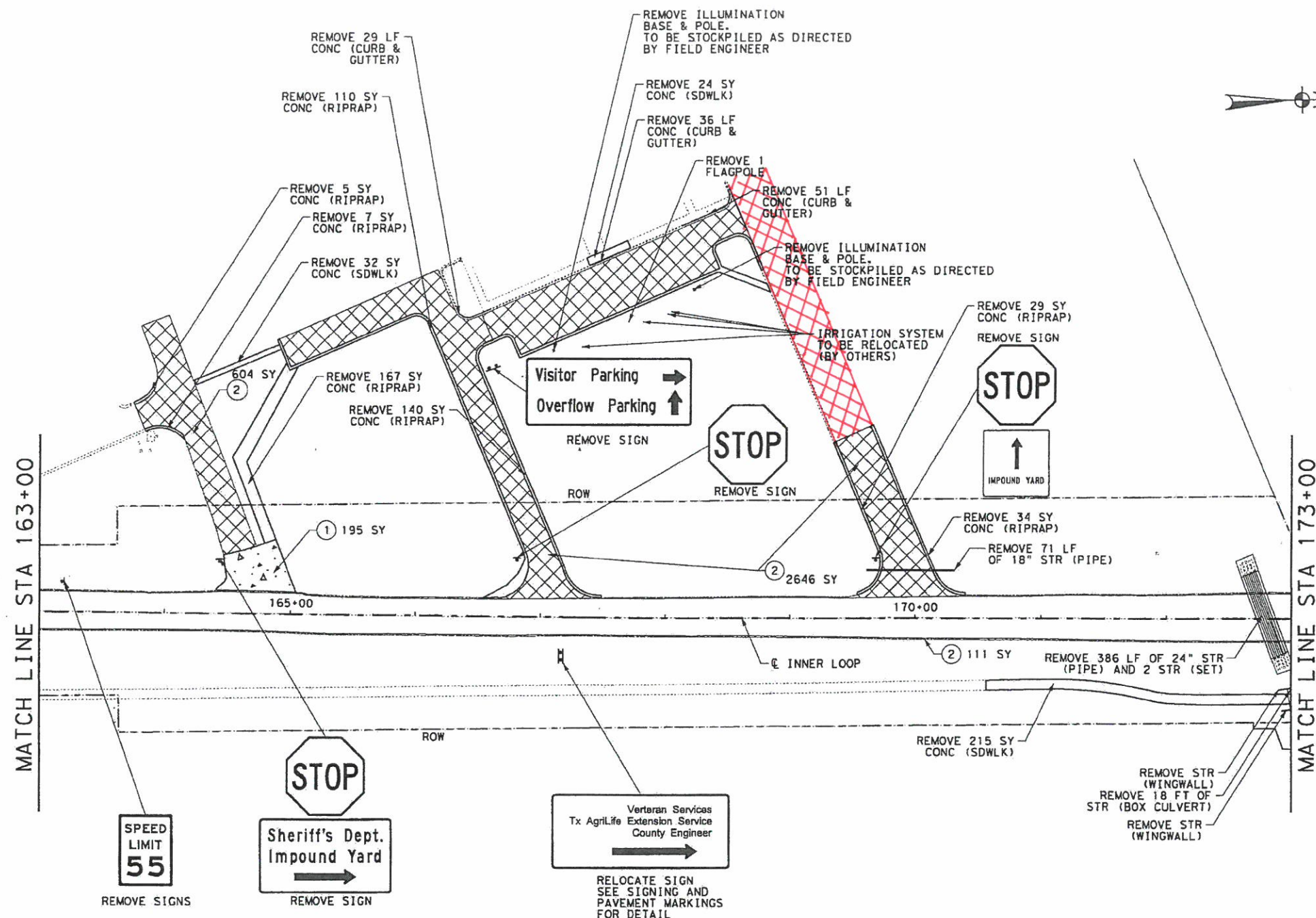
LEGEND

- ① REMOVE CONC (PVT)
- ② REMOVE ASPH PAV

104-6022 REMOV CONC (CURB & GUTTER) ADD 89.00 SY
105-6036 REMOV STAB BASE & ASPH PAV (15"-20") ADD 860.00 SY

NOTES:

- EXISTING SIGNS CONSIDERED ESSENTIAL, BUT ARE SHOWN TO BE REMOVED SHALL BE PLACED ON TEMPORARY SUPPORTS UNTIL NEW SIGNS ARE INSTALLED. SUBSIDIARY TO OTHER REMOVAL ITEMS.
- REMOVAL OF STR (WINGWALL), (HEADWALL) AND (SET) ARE CONSIDERED SUBSIDIARY TO REMOVAL OF STR (PIPE) AND/OR REMOVAL OF STR (BOX CULVERT).
- REMOVAL OF EXISTING BASE AND ASPHALT PAVEMENT STRUCTURE IS SUBSIDIARY TO ITEM 100 - PREPARING ROW.



SUMMARY OF REMOVAL QUANTITIES - TABLE IS FOR CONTRACTORS INFORMATION ONLY. SEE SUMMARY SHEET FOR REMOVAL TABLE

104 6009	104 6015	104 6017	104 6022	105 6036	496 6004	496 6005	496 6007	496 6008	644 6076	496 6045	610 6007
REMOVING CONC (RIPRAP)	REMOVING CONC (SIDEWALKS)	REMOVING CONC (DRIVEWAYS)	REMOVING CONC (CURB AND GUTTER)	REMOVING STAB BASE & ASPH PAV (15"-20")	REMOV STR (SET)	REMOV STR (WINGWALL)	REMOV STR (PIPE)	REMOV STR (BOX CULVERT)	REMOVE SM RD SN SUP&AM	REMOV STR (FLAG POLE)	REMOVE RD IL ASM (SHOE-BASE)
SY	SY	SY	LF	SY	EA	EA	LF	LF	LF	EA	EA
492	271	195	116	*3361	2 *	2 *	457	18	5	1	2

* FOR CONTRACTORS INFORMATION ONLY

BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264

**GEORGETOWN INNER LOOP @
CENTRAL MAINTENANCE FACILITY**

REMOVAL PLAN

SCALE: 1" = 100'

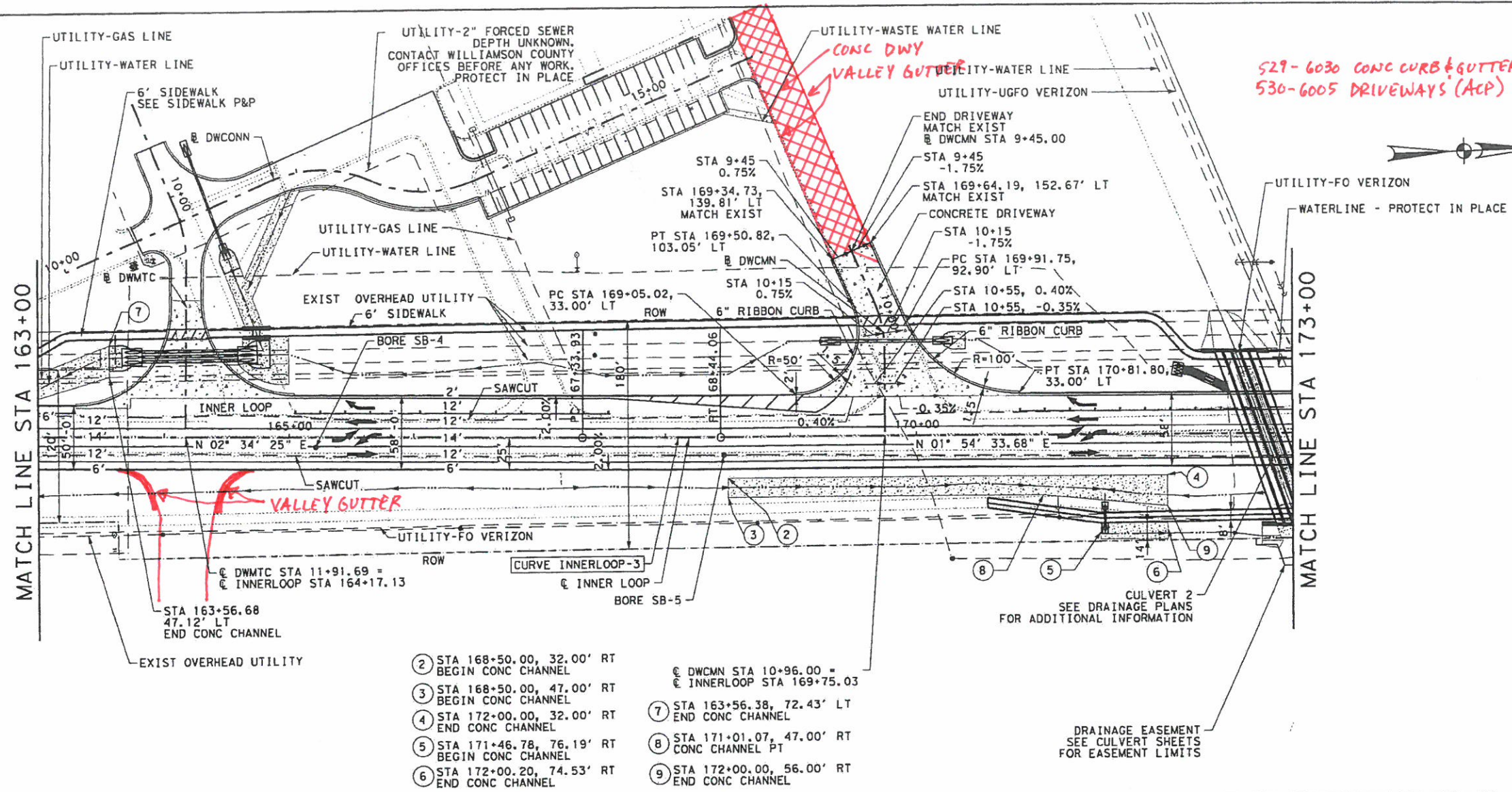
SHEET 2 OF 3

DESIGN	GRAPHICS	CHECK	CHECK	SHEET NO.
KA	AKH	CWM	WD	82

6/26/2017 10:22:53 AM

CWM

s:\16301\dwg\sheet\04ar\roadway\16301-rd-pp-02.dgn



50 0 50 100
SCALE: 1" = 100' HORIZONTAL
1" = 10' VERTICAL

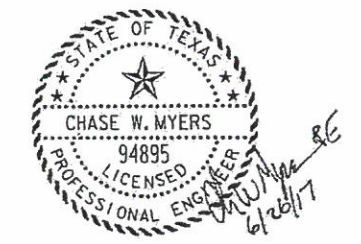
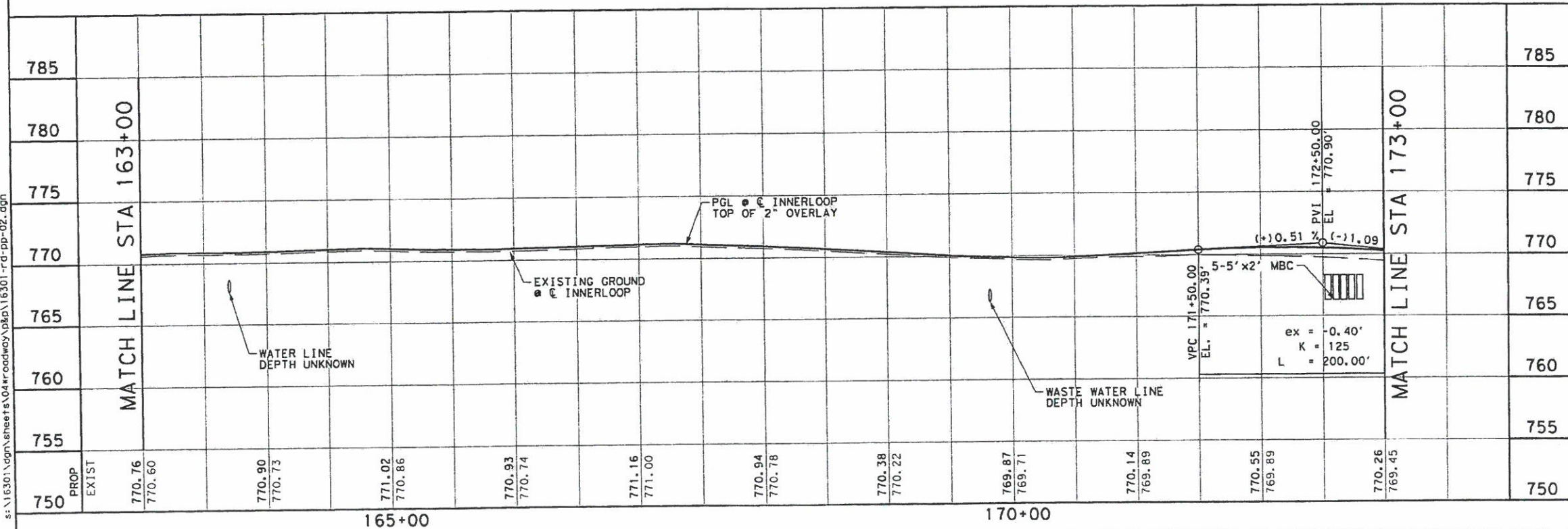
LEGEND

- DIRECTION ARROWS
- RIGHT OF WAY (ROW)
- CONCRETE

NOTES:

- ALL DIMENSIONS ARE TO LANE LINE OR EOP, UNLESS NOTED OTHERWISE.
- REFER TO PROFILE FOR SUPER ELEVATION INFORMATION. ALL SUPER ELEVATION TRANSITIONS ARE PARABOLIC. SUPER ELEVATION IS BASED ON 4.0% MAX.
- REFER TO "HORIZONTAL ALIGNMENT DATA" SHEET FOR HORIZONTAL ALIGNMENT INFORMATION.
- REFER TO "DRIVEWAY LAYOUT" SHEETS FOR DRIVEWAY AND MINOR SIDE STREET DESIGN INFORMATION.
- REFER TO "DRAINAGE" SHEETS FOR CULVERT AND DRAINAGE INFORMATION.
- REFER TO "SIDEWALK P&P" SHEETS FOR SIDEWALK DESIGN INFORMATION.

- ② STA 168+50.00, 32.00' RT BEGIN CONC CHANNEL
- ③ STA 168+50.00, 47.00' RT BEGIN CONC CHANNEL
- ④ STA 172+00.00, 32.00' RT END CONC CHANNEL
- ⑤ STA 171+46.78, 76.19' RT BEGIN CONC CHANNEL
- ⑥ STA 172+00.20, 74.53' RT END CONC CHANNEL
- ⑦ STA 163+56.38, 72.43' LT END CONC CHANNEL
- ⑧ STA 171+01.07, 47.00' RT CONC CHANNEL PT
- ⑨ STA 172+00.00, 56.00' RT END CONC CHANNEL



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GEORGETOWN INNER LOOP
CENTRAL MAINTENANCE FACILITY

ROADWAY
PLAN & PROFILE

SCALE: 1" = 100' HORIZONTAL
1" = 10' VERTICAL

SHEET 2 OF 3

DESIGN	GRAPHICS	CHECK	CHECK	SHEET NO.
KA	AKH	CWM	WD	89