



## **ADDENDUM NO. 5**

**PROJECT NAME: Medical Center Intersection Improvements Phase IX**

**DATE: 08/12/2013**

## **ADDENDUM NO. 5**

This addendum should be included in and be considered part of the plans and specifications for the name of the project. The contractor shall be required to sign an acknowledgement of the receipt of this addendum and submit with their bid.

**CIMS PROJECT NO.: 40-00309**

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### **PROJECT MANUAL**

- Replace 025 “Unit Pricing Forms” for Base Bid with Addendum No. 4 - 025 “Unit Pricing Forms.”
  - Removed Item 340 (Item is for contractor’s information only, not for bid).
  - Removed item 2122.03 (Item is not part of bid)
- Replace “Governing Specs” with “Governing Specs Addendum No 5”. Added Special Specification 680 HAWK Signal.
- Add SS680 HAWK Signal. Added specification noting the Medical Center Alliance will need to be reimbursed for the purchase of the HAWK mast arms and uprights.

### **PLANS**

Medical Center Phase IX Plan Sheets Base Bid.

- Replace Sheet 22 with Addendum No. 5 Sheets 22. Added notes about HAWK signal work added to the plans and AT&T contractor working in the base bid construction area.

### **AT&T PLANS**

AT&T plans are included as a part of this addendum for contractor’s information only, not for bid. The AT&T plans show the work that AT&T needs to complete as part of the base bid project. The contractor should factor into their bid up to 2 months of coordination and to the base bid work per the included AT&T plans. The AT&T contractor may take up to 2 months, after the roadway contractor has been given notice to proceed, to complete the AT&T work. AT&T cost of coordination will not be paid for separately but will be subsidiary to the project.



**Note: Addenda Acknowledgement Form for Addendum 5 is attached herein. This form must be signed and submitted with the bid package.**

RECEIPT OF ADDENDUM NUMBER(S) 5 IS HEREBY ACKNOWLEDGED FOR PLANS AND

SPECIFICATIONS FOR CONSTRUCTION OF MEDICAL CENTER INTERSECTION  
IMPROVEMENTS PHASE IX PROJECT 40-00309

FOR WHICH BIDS WILL BE OPENED ON TUESDAY, AUGUST 13, 2013 AT 2:00 P.M.

THIS ACKNOWLEDGEMENT MUST BE SIGNED AND RETURNED WITH THE  
BID PACKAGE.

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip Code: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print Name/Title

CITY OF SAN ANTONIO  
025 UNIT PRICING FORM

PROJECT NAME: Medical Center Intersection Improvements Phase IX - ROADWAY BASE BID  
ID NO. 40-000309

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
	100			MOBILIZATION	LS	1			
	101			PREPARING RIGHT-OF-WAY	LS	1			
	103.1			REMOVE CONCRETE CURB	LF	4410			
	103.3			REMOVE SIDEWALKS AND DRIVEWAYS	SF	25495			
	104.1			STREET EXCAVATION	CY	14530			
	107.1			EMBANKMENT (FINAL)	CY	170			
	203.1			TACK COAT	GAL	3183			
	205.2			HOT MIX ASPHALTIC PAVEMENT TY B 12 IN. PAV THICKNESS	SY	16830			
	205.3			HOT MIX ASPHALTIC PAVEMENT TY C 2 IN. PAV THICKNESS	SY	17001			
	205.3			HOT MIX ASPHALTIC PAVEMENT TY C 4 IN. PAV THICKNESS	SY	14827			
	208.1			SALVAGING, HAULING & STOCKPILING RECLAIM ASPH PAV 2 IN.	SY	17001			
	209.2			BUS STOP CONCRETE PAD	SY	670			
	302.1			METAL FOR STRUCTURES	LBS	2700			
	308.1			DRILLED SHAFTS (36")	LF	120			
	500.1			CONCRETE CURB	LF	8847			
	500.101			CONCRETE RETAINING CURBS AT PAVERS AND RAMPS, COMPLETE PER DRAWINGS	LF	135			
	502.10			CONCRETE SIDEWALKS (4" THICK), COMPLETE PER DRAWINGS	SY	2679			
	502.101			5" CONCRETE SIDEWALK, COMPLETE PER DRAWINGS	SY	191			
	502.102			5" CONCRETE SIDEWALK, SCORED, COMPLETE PER DRAWINGS	SY	76			
	502.103			5" CONCRETE SLAB AT PAVERS, COMPLETE PER DRAWINGS	SY	1220			
	502.104			BUS STOP CONCRETE PADS (6" THICK), COMPLETE PER DRAWINGS	SY	28			
	502.201			CONCRETE SIDEWALK FOR TRENCH GRATE	SY	10			
	503.2			PORTLAND CEMENT CONCRETE DRIVEWAY COMMERCIAL	SY	1165			
	506.1			CONCRETE RETAINING WALLS COMBINATION TYPE	CY	10			
	515.2			MULCH AT EXISTING TREES (6" DEPTH), COMPLETE PER DRAWINGS	CY	230			
	522.1			SIDEWALK PIPE RAILING	LF	50			
	531.10			R3-4 NO U TURNS* (24" X 24")	EA	6			
	531.3			RL-1 STOP* (30")	EA	1			
	531.4			RL-2 YIELD* (36")	EA	3			
	531.6			R2-1 SPEED LIMIT* (24" X 30")	EA	3			
	531.11			R3-5 LEFT OR RIGHT ONLY* (30" X 36")	EA	4			
	531.13			R3-7 LEFT LANE MUST TURN LEFT OR RIGHT LANE MUST TURN RIGHT* (30" X 30")	EA	3			
	531.16			R3-9 TWO WAY LEFT TURN ONLY* (30" X 36")	EA	5			
	531.17			R4-7 KEEP RIGHT* (24" X 30")	EA	7			
	531.19			R6-1 ONE WAY (36" X 12")(HIGH DENSITY)	EA	1			
	531.57			9 INCH STREET NAME, BLOCK NUMBERS* (VARIES X 9")	EA	2			
	531.200			R3-9cP BEGIN (30"X12" PLAQUE)(HIGH DENSITY)	EA	2			
	531.201			R3-9cP END (30"X12" PLAQUE)(HIGH DENSITY)	EA	3			

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ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
	531.202			W4-1 THRU TRAFFIC MERGE LEFT (36"X36")(HIGH DENSITY)	EA	1			
	531.203			W4-2 LANE ENDS (36"X36")(HIGH DENSITY)	EA	1			
	531.204			D3-2 ADVANCE STREET NAME (36"X30")(HIGH DENSITY)	EA	1			
	535.1			4 INCH WIDE YELLOW LINE	LF	4248			
	535.2			4 INCH WIDE WHITE LINE	LF	1936			
	535.4			8 INCH WIDE WHITE LINE	LF	2598			
	535.5			12 INCH WIDE WHITE LINE	LF	59			
	535.7			24 INCH WIDE WHITE LINE	LF	871			
	535.8			RIGHT WHITE ARROW	EA	7			
	535.9			LEFT WHITE ARROW	EA	24			
	535.12			WORD "ONLY"	EA	6			
	535.18			SOLID WHITE YIELD LINES	EA	36			
	535.200			YELLOW MEDIAN NOSE	EA	1			
	535.201			24 INCH WIDE YELLOW LINE	LF	21			
	537.6			PAVEMENT MARKER (TYPE I C)	EA	320			
	537.8			PAVEMENT MARKER (TYPE II A A)	EA	120			
	540.1			ROCK FILTER DAMS (INSTALL/REMOVE) (TYPE 4)	LF	50			
	540.1			CURB INLET GRAVEL FILTERS	LF	270			
	540.9			TEMPORARY SEDIMENT CONTROL FENCE	LF	2130			
	554.1			EROSION CONTROL MATTING	SY	525			
	680.1			INSTALLATION OF HIGHWAY TRAFFIC SIGNALS [ISOLATED]	EA	1			
	680.2			INSTALLATION OF HAWK SIGNAL	ALLOWANCE	1	\$200,000.00	\$200,000.00	
	681.1			TEMPORARY TRAFFIC SIGNALS	EA	1			
	808			REINFORCED CONCRETE VAULT	EA	1			
	824			RELAY 8" FIRE LINE	EA	1			
	836			PIPE FITTINGS, ALL SIZES AND TYPES	TON	0.21			
	840			8" WATER TIE-INS	EA	1			
	2122.01			TREE PROTECTION	LF	1554			
	2122.02			TREE AND STUMP REMOVAL	EA	26			
	2780.01			CONCRETE PAVERS ON 1" SAND BED, COMPLETE PER DRAWINGS	SF	10980			
	2780.02			DETECTABLE WARNING CONCRETE PAVERS ON 1" SAND BED, COMPLETE PER DRAWINGS	SF	200			
	2780.03			RE-INSTALL SALVAGED PAVERS	SF	859			
	2810.01			IRRIGATION	SF	44178			
	2900.01			HYDROSEED SOIL MIX (4" DEPTH), COMPLETE PER DRAWINGS	CY	443			
	2900.02			SOD PLANTING MIX (4" DEPTH), COMPLETE PER DRAWINGS	CY	102			
	2900.21			LIVE OAK, 3"	EA	6			
	2900.22			CEDAR ELM, 3"	EA	4			

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ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
	2900.51			BERMUDA GRASS HYDROSEED, COMPLETE PER DRAWINGS	SF	35458			
	4410.1			RETAINING WALL VENEER	FSF	894			
	4410.2			RETAINING WALL CAP	LF	144			
	5370.01			GUARDRAIL	LF	127			
	104	2001		REMOVING CONC (PAV)	SY	190			
	104	2009		REMOVING CONC (RIPRAP)	SY	476			
	104	2040		REMOVING CONC (PAVERS)	SY	265			
	168	2001		VEGETATIVE WATERING	MG	283			
	423	2006		RETAINING WALL (CONC BLOCK)	SF	315			
	423	2007		RETAINING WALL (SPREAD FOOTING)	SF	1006			
	496	2040		REMOVE STR (RET WALL)	LF	135			
	496	2289		REMOVE STR (DRAINAGE FLUME)	EA	1			
	502	2001		BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	13			
	502	2055		OFF-DUTY POLICE OFFICERS	HR	560			
	508	2001		CONSTRUCTING DETOURS	STA	55			
	512	2008		PORT CTB (FUR & INST)(LOW PROF)(TY 1)	LF	2900			
	512	2009		PORT CTB (FUR & INST)(LOW PROF)(TY 2)	LF	560			
	512	2026		PORT CTB (MOVE)(LOW PROF)(TY 1)	LF	4000			
	512	2027		PORT CTB (MOVE)(LOW PROF)(TY 2)	LF	320			
	512	2044		PORT CTB (REMOVE)(LOW PROF)(TY 1)	LF	2900			
	512	2045		PORT CTB (REMOVE)(LOW PROF)(TY 2)	LF	560			
	529	2026		CONC CURB (ARMOR CURB SLOT)	LF	10			
	644	2060		REMOVE SM RD SN SUP & AM	EA	9			
	644	2080		RELOCATE SM RD SN SP & AM (GALV SQ) COSA	EA	1			
	662	2001		WK ZN PAV MRK NON-REMOV (W) 4" (BRK)	LF	330			
	662	2004		WK ZN PAV MRK NON-REMOV (W) 4" (SLD)	LF	1074			
	662	2012		WK ZN PAV MRK NON-REMOV (W) 8" (SLD)	LF	792			
	662	2016		WK ZN PAV MRK NON-REMOV (W) 24" (SLD)	LF	121			
	662	2017		WK ZN PAV MRK NON-REMOV (W) (ARROW)	EA	5			
	662	2027		WK ZN PAV MRK NON-REMOV (W) (WORD)	EA	1			
	662	2050		WK ZN PAV MRK REMOV (REFL) TY I-A	EA	47			
	662	2052		WK ZN PAV MRK REMOV (REFL) TY I-C	EA	66			
	662	2054		WK ZN PAV MRK REMOV (REFL) TY II-A-A	EA	41			
	662	2060		WK ZN PAV MRK REMOV (TRAF BTN) TY W	EA	218			
	662	2062		WK ZN PAV MRK REMOV (TRAF BTN) TY Y	EA	278			
	662	2064		WK ZN PAV MRK REMOV (W) 4" (BRK)	LF	610			
	662	2067		WK ZN PAV MRK REMOV (W) 4" (SLD)	LF	12379			
	662	2075		WK ZN PAV MRK REMOV (W) 8" (SLD)	LF	1132			

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ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
	662	2079		WK ZN PAV MRK REMOV (W) 24" (SLD)	LF	103			
	662	2084		WK ZN PAV MRK REMOV (W) (ARROW)	EA	11			
	662	2094		WK ZN PAV MRK REMOV (W) (WORD)	EA	5			
	662	2097		WK ZN PAV MRK REMOV (Y) 4" (BRK)	LF	270			
	662	2099		WK ZN PAV MRK REMOV (Y) 4" (SLD)	LF	17580			
	662	2113		WK ZN PAV MRK SHT TERM (TAB) TY W	EA	700			
	662	2214		WK ZN PAV MRK SHT TERM (TAB) TY Y	EA	300			
	772	2001		POST AND CABLE FENCE (REMOVAL)	LF	270			
	772	2003		POST AND CABLE FENCE (NEW INSTALLATION)	LF	272			
	1122	2046		BIOGRD EROSN CONT LOGS (4" DIA) INSTALL	LF	450			
	1122	2056		BIODEGRADBLE EROSION CONTROL LOGS REMOV	LF	450			
	6007	2001		REMOVING TRAFFIC SIGNALS	EA	1			

\_\_\_\_\_ certifies that the unit prices shown on this complete computer print-out for all of the bid items and the alternates contained in this proposal are the unit prices intended and that its bid will be tabulated using these unit prices and no other information from this print-out.

\_\_\_\_\_ Acknowledged and agrees that the total bid amount shown will be read as its total bid and further agrees that the official total bid amount will be determined by multiplying the unit bid prices shown in this print-out by the respective estimated quantities shown in the proposal and then totaling all of the extended amounts. \_\_\_\_\_ agrees to the terms, conditions, and requirements of the bidder's bid proposal.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_

CITY OF SAN ANTONIO, TEXAS  
GOVERNING SPECIFICATIONS

All standard specifications and special specifications applicable to this project are identified as follows:

**CITY OF SAN ANTONIO**  
**STANDARD SPECIFICATIONS FOR CONSTRUCTION (JUNE 2008)**

<u>ITEM NO.</u>	<u>DESCRIPTION</u>
100	MOBILIZATION
101	PREPARING RIGHT-OF-WAY
103	REMOVE CONCRETE
104	STREET EXCAVATION
107	EMBANKMENT
203	TACK COAT
205	HOT MIX ASPHALTIC CONCRETE PAVEMENT
208	SALVAGING, HAULING, & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT
209	CONCRETE PAVEMENT
210	ROLLING
220	BLADING
300	CONCRETE
301	REINFORCING STEEL
302	METAL FOR STRUCTURES
303	WELDED WIRE FLAT SHEETS
307	CONCRETE STRUCTURES
308	DRILLED SHAFTS AND UNDER-REAMED FOUNDATIONS
400	EXCAVATION, TRENCHING, AND BACKFILLING
406	JACKING, BORING, OR TUNNELING PIPE
500	CONCRETE CURB, GUTTER, AND CONCRETE CURB AND GUTTER
502	CONCRETE SIDEWALKS
503	ASPHALTIC CONCRETE, PORTLAND CEMENT CONCRETE, AND GRAVEL DRIVEWAYS
505	CONCRETE RIPRAP
506	CONCRETE RETAINING WALL – COMBINATION TYPE
511	CUTTING AND REPLACING PAVEMENTS (TRENCH REPAIR)
515	TOPSOIL
522	SIDEWALK PIPE RAILING
525	CONCRETE TRAFFIC BARRIERS (PORTABLE)
526	FIELD OFFICE
530	BARRICADES, SIGNS, AND TRAFFIC HANDLING
531	SIGNS
533	CLEANING AND REMOVAL OF PAVEMENT MARKINGS AND MARKERS
535	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS
537	RAISED PAVEMENT MARKERS
540	TEMPORARY EROSION, SEDIMENTATION AND WATER POLLUTION PREVENTION AND CONTROL
554	EROSION CONTROL MATTING
550	TRENCH EXCAVATION SAFETY PROTECTION
600	TRAFFIC SIGNAL GENERAL CONDITIONS
615	TRAFFIC SIGNAL CONTROLLER CABINET
618	CONDUIT
620	ELECTRICAL CONDUCTORS

622	DUCT CABLE
624	GROUND BOXES
628	ELECTRICAL SERVICES
633	BATTERY BACKUP SYSTEM FOR TRAFFIC SIGNAL
636	ALUMINUM SIGNS
655	CONTROLLER FOUNDATION AND PEDESTAL POST
656	FOUNDATIONS FOR TRAFFIC CONTROL DEVICES
680	INSTALLATION OF HIGHWAY TRAFFIC SIGNALS
681	TEMPORARY TRAFFIC SIGNALS
682	VEHICLE AND PEDESTRIAN SIGNAL HEADS
683	LED COUNTDOWN PEDESTRIAN SIGNAL MODULE
684	TRAFFIC SIGNAL CABLES
686	TRAFFIC SIGNAL POLE ASSEMBLIES (STEEL)
687	PEDESTAL POLE ASSEMBLIES
688	PEDESTRIAN DETECTORS AND VEHICLE LOOP DETECTORS
695	EMERGENCY VEHICLE TRAFFIC SIGNAL PRIORITY CONTROL SYSTEM
700	COST LOADED PROJECT SCHEDULES
801	TREE AND LANDSCAPE PROTECTION
1000	WEB PORTAL

## SPECIAL PROVISIONS

	SPECIAL PROVISIONS UPDATE MAY 2009
	SPECIAL PROVISIONS UPDATE FEBRUARY 2010
	SPECIAL PROVISIONS UPDATE JUNE 2010
	SPECIAL PROVISION TO THE GENERAL CONDITIONS
506SPL	CONCRETE RETAINING WALL
680SPL	INSTALLATION OF HIGHWAY TRAFFIC SIGNALS

## SPECIAL SPECIFICATIONS

680	HAWK SIGNAL
696	RADAR DETECTION SYSTEM
800	PROJECT SIGN
1122	TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL CONTROLS
2122	TREE PROTECTION
2780	UNIT PAVERS
2810	PLANTING IRRIGATION
2900	PLANTS
3000	HANDLING ASBESTOS CEMENT PIPE
4410	STONE MASONRY VENEER
5000	ENTRY MONUMENT PYLON SIGN
5300	OFF DUTY POLICE OFFICER
5730	HANDRAILS AND RAILING
6007	REMOVE TRAFFIC SIGNALS
9900	PAINTING
16000	MONUMENT ELECTRICAL SYSTEM

**TEXAS DEPARTMENT OF TRANSPORTATION**  
**STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF**  
**HIGHWAYS, STREETS, AND BRIDGES 2004**

104	REMOVING CONCRETE
168	VEGETATIVE WATERING
340	DENSE-GRADED HOT MIX ASPHALT (METHOD)
423	RETAINING WALL
496	REMOVING STRUCTURES
502	BARRICADES, SIGNS AND TRAFFIC HANDLING
508	CONSTRUCTION DETOURS
512	PORTABLE CONCRETE TRAFFIC BARRIER
529	CONCRETE CURB, GUTTER, AND COMBINED CURB AND GUTTER
644	SMALL ROADSIDE SIGN SUPPORTS AND ASSEMBLIES
662	WORK ZONE PAVEMENT MARKINGS
677	ELIMINATING EXISTING PAVEMENT MARKINGS AND MARKERS
722	POST AND CABLE FENCE
	TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL CONTROLS

**SAN ANTONIO WATER SYSTEM**  
**2008 SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION**  
**(REVISED JUNE 2009)**

100	MOBILIZATION
101	PREPARING RIGHT-OF-WAY
413	FLOWABLE FILL
550	TRENCH EXCAVATION SAFETY PROTECTION
808	REINFORCED CONCRETE VAULTS
814	DUCTILE IRON PIPE
818	PVC PIPE INSTALLATION
824	SERVICE SUPPLY LINES (WATER)
826	VALVE BOX ADJUSTMENTS
828	GATE VALVES
833	METER AND METER BOX INSTALLATION
834	FIRE HYDRANTS
836	GREY IRON AND DUCTILE-IRON FITTINGS
840	WATER TIE-INS
841	HYDROSTATIC TESTING OPERATIONS
844	BLOW OFF ASSEMBLIES
846	AIR RELEASE ASSEMBLIES
851	ADJUSTING EXISTING MANHOLES
855	RECONSTRUCTION OF EXISTING MANHOLES
856	JACKING, BORING, OR TUNNELING PIPE

**CPS ENERGY REQUIREMENTS AND SPECIFICATIONS**  
**FOR CONSTRUCTION OF**  
**NATURAL GAS DISTRIBUTION FACILITIES**  
**ON THE MEDICAL CENTER - PHASE IX**  
**HAMILTON WOLFE & BABCOCK**

# SPECIAL SPECIFICATION

## ITEM 680 ✦ HAWK SIGNAL

*This item shall govern the reimbursement of mast arms and traffic signal pole uprights for a Pedestrian HAWK signal to the Medical Center Alliance.*

### **CONSTRUCTION METHOD:**

An allowance of \$200,000.00 in the bid documents is for the installation of a pedestrian HAWK signal and all associated flatwork and necessary signal equipment. The plans for this HAWK signal will be issued when the contractor is given notice to proceed on the project.

Due to time constraints the Medical Center Alliance is contracting for the purchase of the mast arms and signal pole uprights. The contractor will assume the order and reimburse the Medical Center Alliance the amount the Medical Center Alliance has expended to date. The amount to be reimbursed is within the \$200,000.00 allowance. All other material necessary for the installation of the pedestrian HAWK signal will be supplied by the contractor.

The contractor is required to complete all work on the pedestrian HAWK signal by December 31<sup>st</sup>, 2013.

### **MEASUREMENT:**

This item will be measured as each location controlled by a traffic signal controller.

### **PAYMENTS:**

All material and labor rates necessary for the installation of the pedestrian HAWK signal will be negotiated at a later date.

### **BID ITEMS:**

Item 680.2 – Installation of HAWK Signal - Allowance

10:08:29 AM  
Plotted on: 8/12/2013  
Design File name: P:\5241\38\des\ign\Civil\TCP\524138\TCPNotes02\_ADD05.dgn

TCP PLAN ADDITIONAL NOTES

1. GENERAL.

- A. IF SO PERMITTED BY THE ENGINEER, WORK ACTIVITIES ON SUNDAY SHALL BE APPROVED IN ADVANCE. LANE CLOSURES WILL BE ALLOWED IN ONE DIRECTION ONLY. NOTIFY THE ENGINEER OF IMPENDING/UPCOMING LANE CLOSURES AT LEAST (7) DAYS IN ADVANCE OF LANE CLOSURES. THE LANE CLOSURES SHALL BE IN COMPLIANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD).
- B. LANE CLOSURES OTHER THAN THOSE SHOWN ON THE PHASING PLAN WILL NOT BE ALLOWED DURING NON-WORK HOURS. NO EQUIPMENT SHALL BE LEFT IN A POSITION THAT WILL ENDANGER THE TRAVELING PUBLIC.
- C. MAINTAIN ADEQUATE DRAINAGE THROUGHOUT ALL PHASES OF CONSTRUCTION, WITH THE STORM WATER POLLUTION PREVENTION PLAN IN PLACE.
- D. ACCESS TO PROPERTIES MUST BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE SHOWN.
- E. A MINIMUM 3:1 (H:V) TEMPORARY SAFETY SLOPE OF STABLE COMPACTED MATERIAL WILL BE REQUIRED ADJACENT TO THE EDGE OF PAVEMENT DURING NON WORKING HOURS.
- F. PER COSA SPECIFICATION 533, THE REMOVAL OF CONFLICTING PAVEMENT MARKINGS/MARKERS IS SUBSIDIARY TO THE VARIOUS PAVEMENT MARKING/MARKER PAY ITEMS. NO SEPARATE PAY FOR PAVEMENT MARKING/MARKER REMOVAL IS INCLUDED.
- G. ALL SAWS MANHOLES AND WATER VALVES ARE TO REMAIN ACCESSIBLE AT ALL TIMES. VALVES MAY REQUIRE ADDITIONAL ADJUSTMENTS IN AREAS OF TEMPORARY PAVEMENT (NO SEPARATE PAY ITEM.)

2. POLICE OFFICER NOTES

- A. REQUIRED POLICE OFFICER TIMES ARE: MONDAY THROUGH FRIDAY 6:00 A.M. TO 6:00 P.M. WHEN LANE CLOSURES OTHER THAN DETAILED IN THE PLANS ARE BEING USED. POLICE OFFICERS WILL BE REQUIRED AT THE ENGINEERS DISCRETION.
- B. WHEN THE OFFICER IS PRESENT HE IS REQUIRED TO BE DIRECTING TRAFFIC AT ALL TIMES. THE TRAFFIC SIGNAL WILL BE PUT ON FLASHING RED WHEN OFFICER IS PRESENT.
- C. TWO POLICE OFFICERS WILL BE REQUIRED WHEN IN THE INTERSECTION OF BABCOCK AND HAMILTON WOLFE.

SPECIAL NOTES AND PROVISIONS:

- 1. DO NOT CONSTRUCT FINAL HOTMIX LIFT UNTIL INSTRUCTED TO DO SO BY THE ENGINEER.
- 2. ALL CONFLICTING PAVEMENT MARKINGS MUST BE REMOVED.
- 3. CONTRACTOR TO USE TRAFFIC BUTTONS ON ALL CONCRETE PAVEMENT FOR TRAFFIC CONTROL MARKINGS.

PHASE I

- 1. INSTALL TEMPORARY EROSION CONTROL MEASURES.
- 2. BEGIN UTILITY (SAWS WATER, SAWS SEWER, AND CPS GAS) AND TREE RELOCATION WORK.
- 3. UTILITY WORK AND ROAD WORK (PHASE I) MAY BE CONCURRENT, HOWEVER ROADWAY WORK MAY NOT BEGIN UNTIL THE TEMPORARY TRAFFIC SIGNAL AND CPS GAS LINE WEST OF BABCOCK RD HAVE BEEN INSTALLED. ALL SAWS AND CPS UTILITY WORK MUST BE COMPLETE PRIOR TO BEGINNING PHASE II OF ROADWAY WORK.

HAMILTON WOLFE & BABCOCK

- 1. CONSTRUCT TEMPORARY ASPHALT WIDENING AS DETAILED IN PLANS ON HAMILTON WOLFE USING TCP 2-1 AND 2-2. ROADWAY SIDE SLOPES ARE NOT TO EXCEED 3:1.
- 2. INSTALL TEMPORARY TRAFFIC SIGNAL AND ALIGN SIGNAL HEADS WITH PROPOSED SECTION FROM PHASE I OF THE TCP PER TMUTCD.
- 3. STRIPE ROADWAY AS SHOWN IN PHASE I PLANS.
- 4. SHIFT TRAFFIC TO THE PROPOSED TCP PHASE I SECTION.
- 5. REMOVE EXISTING TRAFFIC SIGNAL.
- 6. BEGIN PHASE I CONSTRUCTION AS SHOWN IN THE CONSTRUCTION PLANS.
- 7. BUILD PAVEMENT SECTION, BUT DO NOT CONSTRUCT PORTION OF DIRECTIONAL ISLAND THAT IS TO BE BUILT IN PHASE III STEP 1.
- 8. STRIPE NEW CONSTRUCTION AS SHOWN IN PHASE II STEP 1 OF THE PLANS.
- 9. PROCEED TO PHASE II STEP 1 OF THE TCP. PHASE I WORK MAY CONTINUE ON BABCOCK WHILE BEGINNING PHASE II STEP 1 ON HAMILTON WOLFE.

PHASE II STEP 1

HAMILTON WOLFE

- 1. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES INCLUDING PAVEMENT MARKINGS AND CHANNELIZATION DEVICES FOR WESTBOUND TRAFFIC ONLY. ADJUST TRAFFIC SIGNAL HEADS ON THE TEMPORARY TRAFFIC SIGNAL PER TMUTCD. COVER HEADS NOT IN USE.
- 2. SHIFT HAMILTON WOLFE WESTBOUND TRAFFIC TO THE PROPOSED TCP PHASE II STEP 1 SECTION.
- 3. CONSTRUCT TEMPORARY ASPHALT PAVEMENT CROSS OVER FOR EASTBOUND TRAFFIC. TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS TO REMAIN FOR EASTBOUND TRAFFIC FROM PHASE I WHILE THIS PORTION IS BEING CONSTRUCTED.
- 4. INSTALL ALL REMAINING TEMPORARY TRAFFIC CONTROL DEVICES INCLUDING PAVEMENT MARKINGS AND CHANNELIZATION DEVICES.
- 5. SHIFT EASTBOUND TRAFFIC TO THE PROPOSED TCP PHASE II STEP 1 SECTION.
- 6. CONSTRUCT PHASE II STEP 1 AS SHOWN IN THE PLANS.
- 7. STRIPE NEW CONSTRUCTION ON HAMILTON WOLFE IN ACCORDANCE WITH TCP PHASE II STEP 2.
- 8. COMPLETE ALL WORK IN PHASE I AND PHASE II STEP 1 BEFORE CONTINUING TO PHASE II STEP 2.

PHASE II STEP 2

HAMILTON WOLFE & BABCOCK

- 1. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES INCLUDING PAVEMENT MARKINGS AND CHANNELIZATION DEVICES. ADJUST TRAFFIC SIGNAL HEADS ON THE TEMPORARY TRAFFIC SIGNAL PER TMUTCD. COVER HEADS NOT IN USE.
- 2. SHIFT HAMILTON WOLFE TRAFFIC TO THE PROPOSED TCP PHASE II STEP 2 SECTION.
- 3. CONSTRUCT PHASE II STEP 2 AS SHOWN IN THE PLANS.
- 4. STRIPE NEW CONSTRUCTION AS SHOWN IN PHASE III STEP 1 OF THE PLANS.
- 5. COMPLETE ALL WORK BEFORE CONTINUING TO PHASE III STEP 1.

PHASE III STEP 1

HAMILTON WOLFE & BABCOCK

- 1. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES INCLUDING PAVEMENT MARKINGS AND CHANNELIZATION DEVICES. ADJUST TRAFFIC SIGNAL HEADS ON THE TEMPORARY TRAFFIC SIGNAL PER TMUTCD. COVER HEADS NOT IN USE.
- 2. SHIFT TRAFFIC TO THE PROPOSED TCP PHASE III STEP 1 SECTION.
- 3. BEGIN PHASE III STEP 1 WORK AS SHOWN IN THE PLANS.
- 4. STRIPE NEW CONSTRUCTION AS SHOWN IN PHASE III STEP 2 OF THE PLANS.
- 5. FINAL STRIPING TO BE DELINEATED WITH TEMPORARY TABS.
- 6. COMPLETE ALL WORK BEFORE CONTINUING TO PHASE III STEP 2.

PHASE III STEP 2

HAMILTON WOLFE

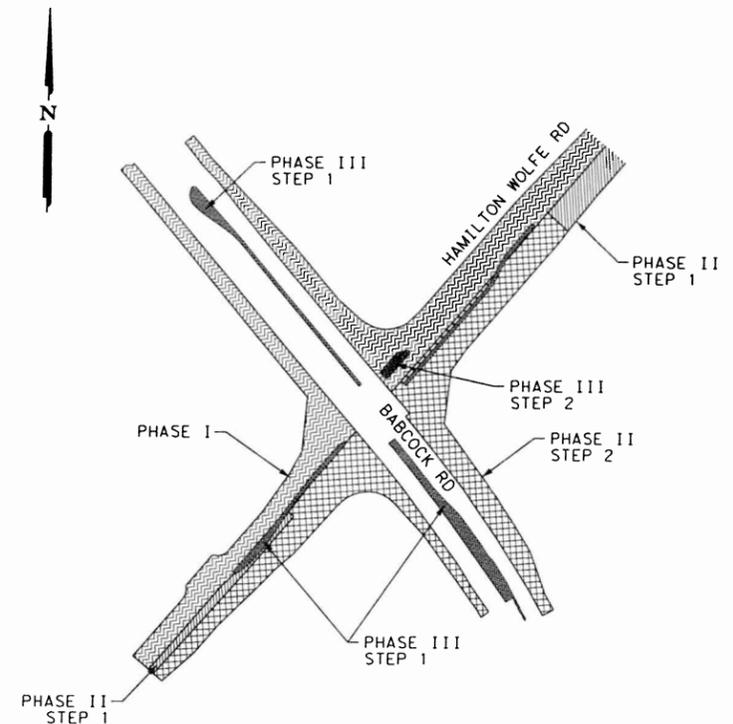
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- 2. SHIFT HAMILTON WOLFE TRAFFIC TO THE PROPOSED TCP PHASE III STEP 2 SECTION.
- 3. CONSTRUCT PHASE III STEP 2 WORK AS SHOWN IN THE PLANS. WORK MUST BE COMPLETED WITH IN TWO (2) WEEKS.
- 4. UPON COMPLETION OF PHASE III STEP 2, REMOVE TEMPORARY SIGNALS AND SHIFT TRAFFIC TO THE ULTIMATE SECTIONS.
- 5. PLACE THE FINAL HOTMIX LIFT USING TEMPORARY LANE CLOSURES TCP1-4. MARKING TABS ARE TO BE USED AS TRAFFIC LANE DELINEATORS UNTIL FINAL STRIPING HAS BEEN COMPLETED.
- 6. STRIPE THE ROADWAY TO ITS ULTIMATE CONFIGURATION.

ADDITIVE ALTERNATIVE #1 (FLOYD CURL MEDIAN WORK)

- 1. CONTRACTOR MUST REQUEST NOTICE TO PROCEED ON THIS WORK FROM THE LANDSCAPE ARCHITECT.
- 2. ONCE CONTRACTOR HAS BEEN GIVEN NOTICE TO PROCEED THIS WORK MUST BE COMPLETED IN 4 MONTHS.
- 3. WORK CAN BE CONCURRENT WITH ADDITIVE ALTERNATIVE #2 AND MUST BE COMPLETE WITHIN OVERALL CONTRACT DAYS FOR THE PROJECT. THIRTY (30) ADDITIONAL CONTRACT DAYS ARE GIVEN FOR ADDITIVE ALTERNATIVE #1.

ADDITIVE ALTERNATIVE #2 (WURZBACH ROAD MEDIAN WORK)

- 1. CONTRACTOR MUST REQUEST NOTICE TO PROCEED ON THIS WORK FROM THE LANDSCAPE ARCHITECT.
- 2. ONCE CONTRACTOR HAS BEEN GIVEN NOTICE TO PROCEED THIS WORK MUST BE COMPLETED IN 4 MONTHS.
- 3. WORK CAN BE CONCURRENT WITH ADDITIVE ALTERNATIVE #1 AND MUST BE COMPLETE WITHIN OVERALL CONTRACT DAYS FOR THE PROJECT. THIRTY (30) ADDITIONAL CONTRACT DAYS ARE GIVEN FOR ADDITIVE ALTERNATIVE #2.



TCP NOTE FOR HAWK SIGNAL TO BE CONSTRUCTED IN THE BASE BID

AN ALLOWANCE HAS BEEN PLACED IN THE PLANS TO CONSTRUCT A PEDESTRIAN CROSSING SIGNAL ON WURZBACH ROAD. PLANS WILL BE ISSUED AT A LATER DATE. THE CONTRACTOR MUST COMPLETE CONSTRUCTION OF THESE IMPROVEMENTS PRIOR TO DECEMBER 31ST, 2013. CONTRACTOR MAY WORK ON THIS LOCATION CONCURRENTLY WITH BASE BID OR ADDITIVE ALTERNATIVE WORK THAT IS IN THE PLANS.

TCP NOTE FOR AT&T UTILITY WORK IN THE BASE BID PROJECT

THE AT&T CONTRACTOR MAY BE IN THE BASE BID WORK ZONE WHEN CONTRACTOR IS GIVEN NOTICE TO PROCEED. THE CONTRACTOR MUST SHARE THE WORK ZONE AND COORDINATE WITH THE AT&T CONTRACTOR. THE CONTRACTOR SHOULD FACTOR INTO THEIR BID UP TO 2 MONTHS OF COORDINATION TO THE BASE BID WORK DUE TO THE AT&T CONTRACTOR'S WORK. THE AT&T CONTRACTOR MAY TAKE UP TO 2 MONTHS, AFTER THE ROADWAY CONTRACTOR HAS BEEN GIVEN NOTICE TO PROCEED, TO COMPLETE THE AT&T WORK. AT&T COST OF COORDINATION WILL NOT BE PAID FOR SEPARATELY BUT WILL BE SUBSIDIARY TO THE PROJECT.

CONTRACTOR SHALL USE TRAFFIC BUTTONS ON ALL CONCRETE PAVEMENT FOR TRAFFIC CONTROL. DO NOT USE PAINT MARKINGS ON CONCRETE PAVEMENT FOR TRAFFIC CONTROL. PAID UNDER WORK ZONE PAVEMENT MARKING ITEMS.

DESIGN  
STATE OF TEXAS  
DAN THOMA  
98622  
LICENSED PROFESSIONAL ENGINEER  
8/12/2013  
DATE  
DAN THOMA, P.E.

REVIEW & APPROVAL  
STATE OF TEXAS  
JAMES A. LUTZ  
84722  
LICENSED PROFESSIONAL ENGINEER  
8/12/2013  
DATE  
JAMES A. LUTZ, P.E.

**Pape-Dawson**  
**ENGINEERS**

555 EAST RAMSEY | SAN ANTONIO, TEXAS 78216 | PHONE: 210.375.9000  
FAX: 210.375.9010  
TEXAS BOARD OF PROFESSIONAL ENGINEERS, FIRM REGISTRATION # 470

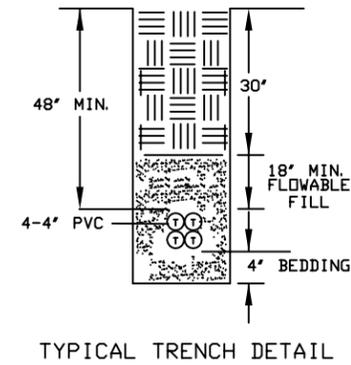
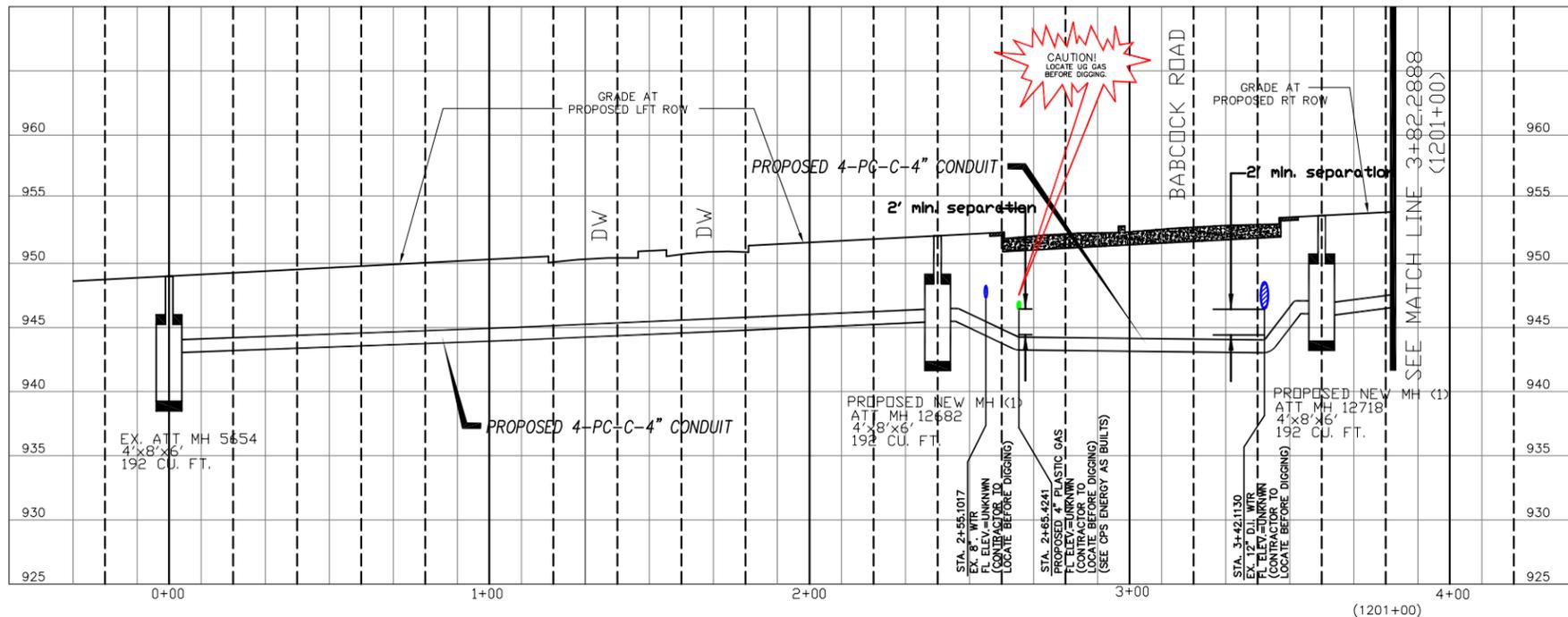
CITY OF SAN ANTONIO  
CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT

MEDICAL CENTER PHASE IX  
BABCOCK RD & HAMILTON WOLFE RD  
TRAFFIC CONTROL PLAN  
NARRATIVE AND SPECIAL NOTES

SHEET 2 OF 2

ADDENDUM NO. 05

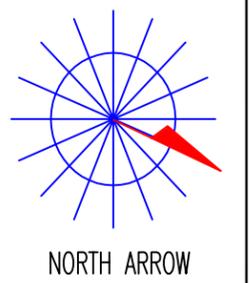
100 % SUBMITTAL	PROJECT NO: 5241-38	DATE: 8/12/2013
DRWN BY: BD	DSGN BY: BD	CHKD BY: DT
		SHEET NO: 22



NOTE TO CONSTRUCTION:  
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NOTE TO CONSTRUCTION:  
CONTRACTOR MUST MAINTAIN 2' HORIZONTAL AND VERTICAL SEPERATION FROM ALL COSA UTILITIES AND MUST MAINTAIN 2' VERTICAL AND 5' HORIZONTAL FROM ALL CITY OF SAN ANTONIO WATER, WASTEWATER AND STORM SEWER. (EDGE TO EDGE)

SPECIAL CIRCUITS N  
6203 FORWARDED N  
PERMIT REQUIRED Y



OPERATING RANGE OF JOB STEPS  
TASK \_\_\_\_\_ TO \_\_\_\_\_  
MFRC 4C

TRANSMISSION ZONE  
RZ 0 CZ 0 TAPER CODE 117002

CAUTION HIGH VOLTAGE  
KV 7.20 AERIAL N BURIED Y

HIGHWAY PERMIT NO.

Utility CO CPS - City Public Service  
REP NAME JOHN OFFER  
REP TEL NO. (210) 353-2012  
POLE CONTACTS (+) 0 (-) 0

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

Utility CO  
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REP TEL NO.  
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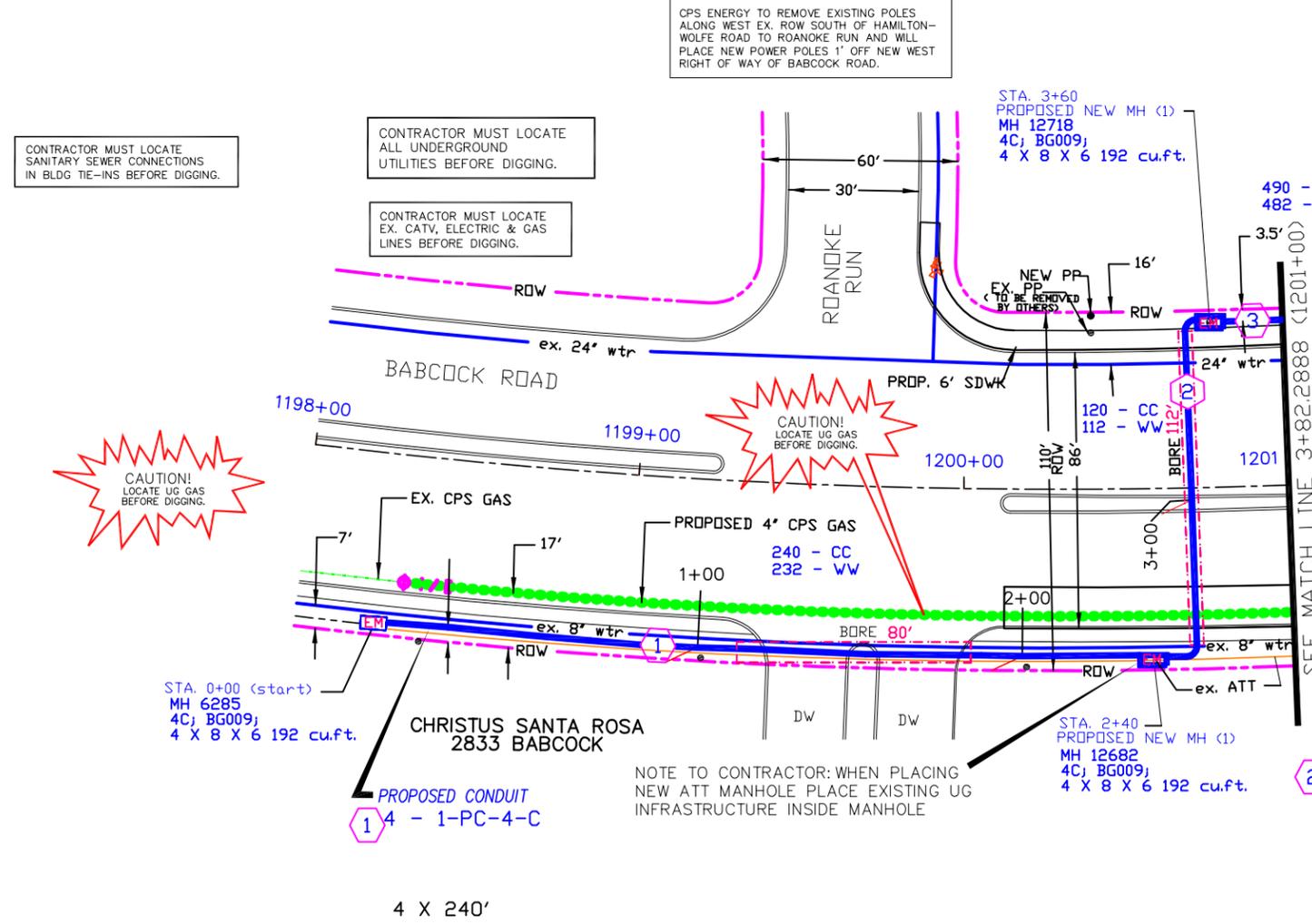
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TOT.PRINTS 3 PRINT NO. 1  
NPA/NNX: 210-593 PRT:210593  
EXCH. MEDICALCENTER

TAX DIST. BG009  
GEO LOC. XX4593  
ENGR. LB DRAWN MR

TELEPHONE NO. (210) 283-1769  
REC. REF. 532-265-81-1  
MAP REF. 548-D

SCALE NONE  
ISSUE DATE 08/02/2013  
PROJ TITLE GOV/#12C115 BABCOCK-HAMILTON W  
REV. NUMBER  
DATE REV.



3 - 1-PC-4-C

4 X 490'

2 - 1-PC-4-C

4 X 112'

**FOR ROADWAY CONTRACTOR'S INFORMATION ONLY. NOT FOR BID.**

CONTRACTOR MUST LOCATE AND POTHOLE ALL UNDERGROUND UTILITIES BEFORE BORING TO DETERMINE EXACT LOCATION OF ALL UNDERGROUND UTILITIES. ALL DAMAGE TO UNDERGROUND UTILITY IS THE RESPONSIBILITY OF THE PLACING CONTRACTOR. IF CONFLICT NOTIFY ENGINEER.

NOTE: WORK HOURS FROM 9 A.M. TO 4 P.M. ROADWAY & DRIVEWAYS SHALL BE RETURNED TO FULL USE BY END OF WORK DAY OPERATION.

NOTE TO CONSTRUCTION:  
CONTRACTOR MUST MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.

NOTE TO CONSTRUCTION:  
CONTRACTOR IS TO VERIFY ALL VERTICAL AND HORIZONTAL DEPTHS OF ALL EXISTING UTILITIES BEFORE DIGGING OR BORING. IF CONFLICT ENCOUNTERED. CONTRACTOR SHALL NOTIFY ENGINEER.

CPS ENERGY TO REMOVE EXISTING POLES ALONG WEST EX. ROW SOUTH OF HAMILTON-WOLFE ROAD TO ROANOKE RUN AND WILL PLACE NEW POWER POLES 1' OFF NEW WEST RIGHT OF WAY OF BABCOCK ROAD.

CONTRACTOR MUST LOCATE SANITARY SEWER CONNECTIONS IN BLDG TIE-INS BEFORE DIGGING.

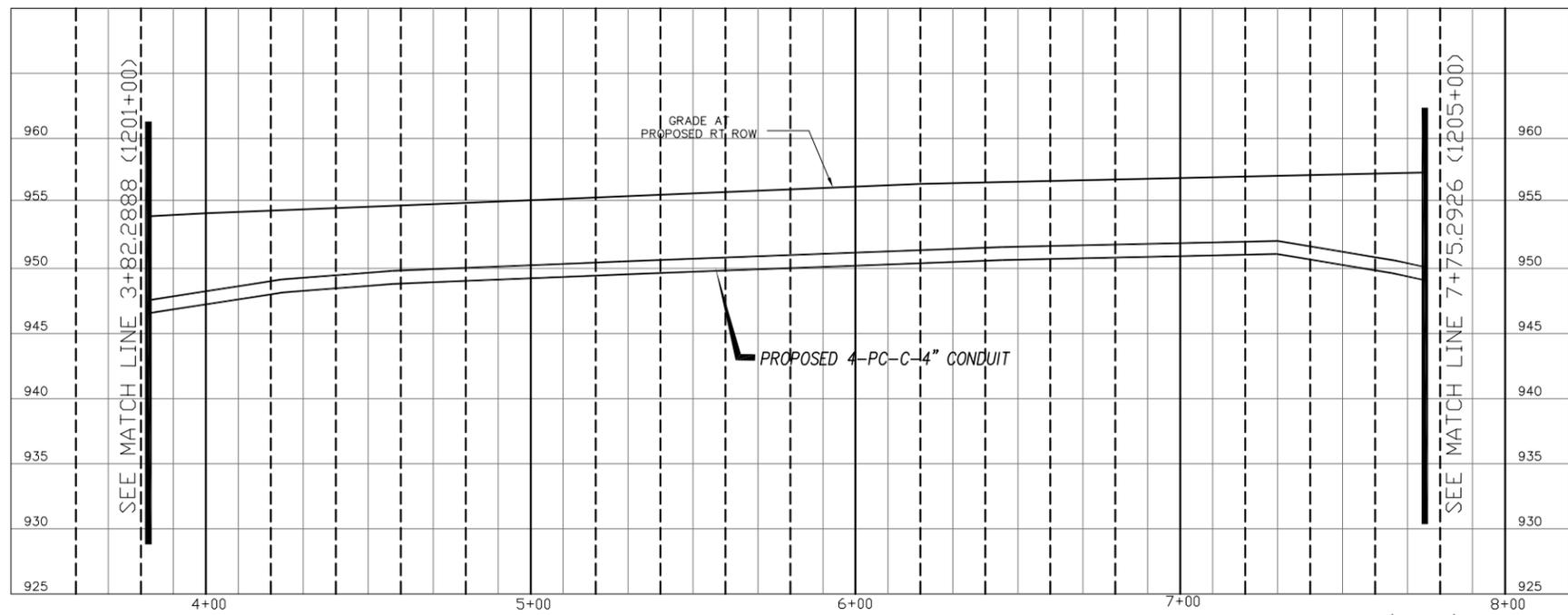
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CONTRACTOR MUST LOCATE EX. CATV, ELECTRIC & GAS LINES BEFORE DIGGING.

CAUTION! LOCATE UG GAS BEFORE DIGGING.

CAUTION! LOCATE UG GAS BEFORE DIGGING.

NOTE TO CONTRACTOR: WHEN PLACING NEW ATT MANHOLE PLACE EXISTING UG INFRASTRUCTURE INSIDE MANHOLE



CONTRACTOR MUST NOTIFY ALL RESIDENTS AND BUSINESSES 24 TO 48 HOURS PRIOR TO START OF ANY CONSTRUCTION BY NOTIFICATION OR LIGHT BOARD THAT UTILITY CONSTRUCTION WILL BE TAKING PLACE AND DURATION OF CONSTRUCTION. ALL SIGNAGE, TRAFFIC CONTROL DEVICES, BAGGING OF TRAFFIC METERS MUST BE IN PLACE BEFORE THE START OF CONSTRUCTION AND INSPECTED BY COSA BEFORE ANY WORK SHALL BE COMMENCED.

NOTE TO CONSTRUCTION:  
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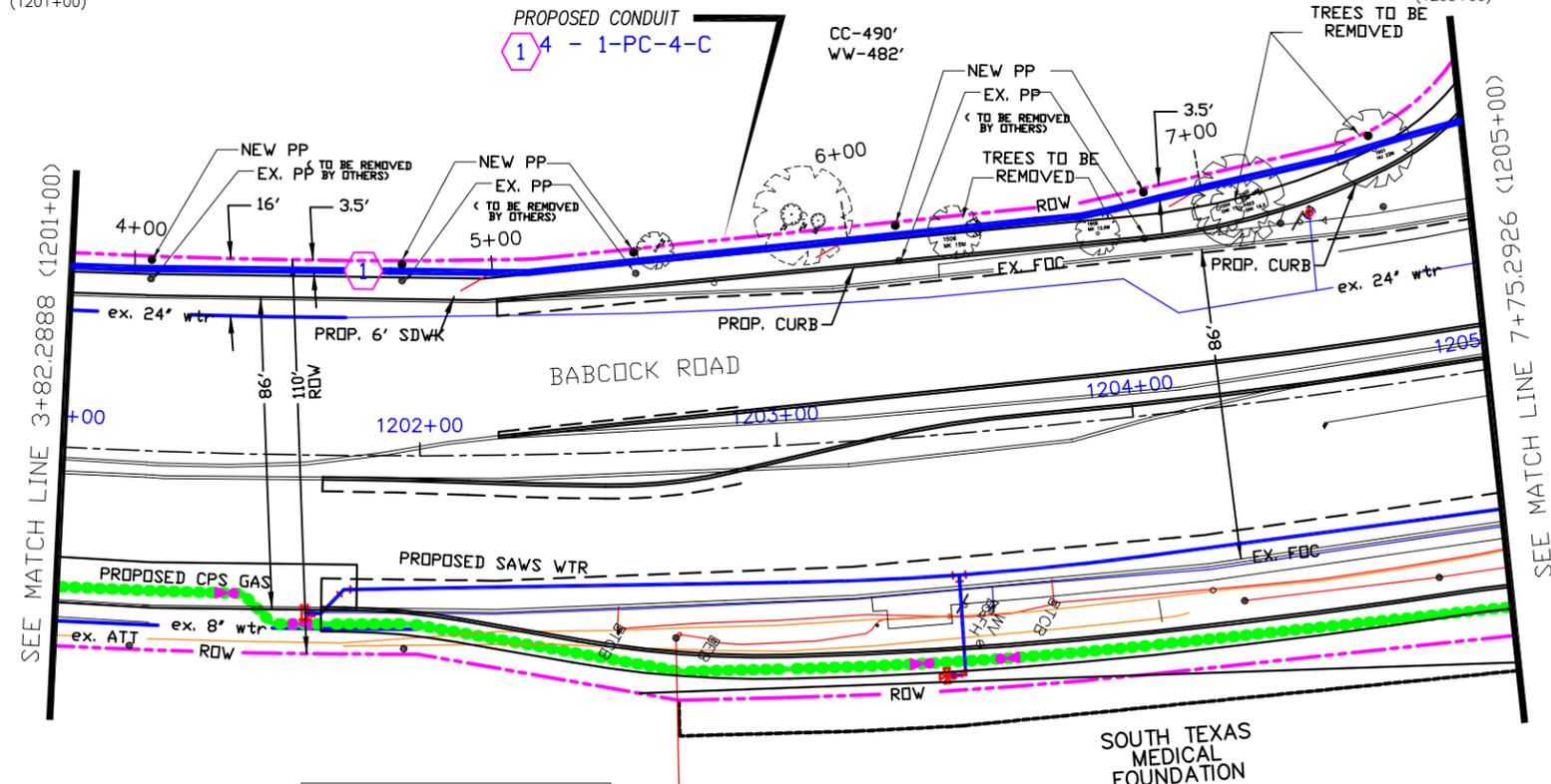
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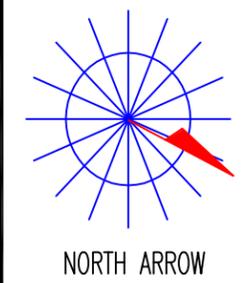
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--Proprietary--  
Not for use or disclosure outside the AT&T companies except under written agreement.

SPECIAL CIRCUITS N  
6203 FORWARDED N  
PERMIT REQUIRED Y



OPERATING RANGE OF JOB STEPS

TASK \_\_\_\_\_ TO \_\_\_\_\_

MFRC 4C

TRANSMISSION ZONE  
RZ 0 CZ 0 TAPER CODE 117002

CAUTION HIGH VOLTAGE  
KV 7.20 AERIAL N BURIED Y

HIGHWAY PERMIT NO.

Utility CO CPS - City Public Service  
REP NAME JOHN OFFER  
REP TEL NO. (210) 353-2012  
POLE CONTACTS (+) 0 (-) 0

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

PROJECT NO 9058307

TOT.PRINTS 3 PRINT NO.2  
NPA/NNX: 210-593 PRT:210593

EXCH. MEDICALCENTER

TAX DIST. BG009

GEO LOC. XX4593

ENGR. LB

DRAWN MR

TELEPHONE NO. (210) 283-1769

REC. REF. 532-265-81-1

MAP REF. 548-D

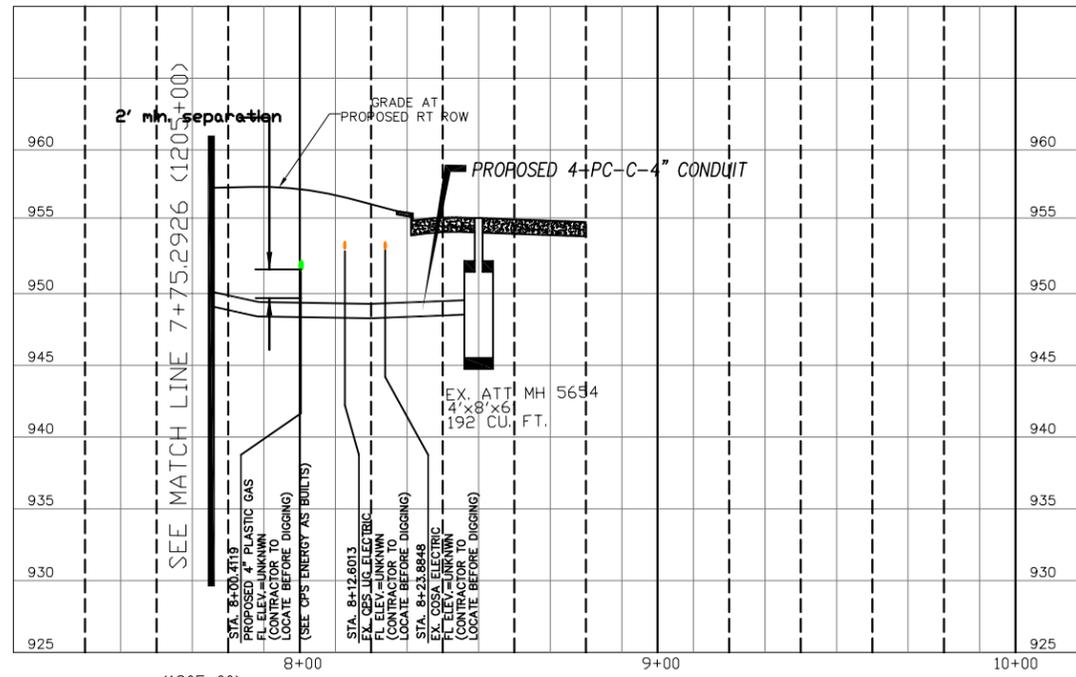
SCALE NONE

ISSUE DATE 08/02/2013

PROJ TITLE GOV/#12C115 BABCOCK-HAMILTON W

REV. NUMBER

DATE REV.



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SPECIAL CIRCUITS N  
6203 FORWARDED N  
PERMIT REQUIRED Y



OPERATING RANGE OF JOB STEPS  
TASK \_\_\_\_\_ TO \_\_\_\_\_  
MFRC 4C

TRANSMISSION ZONE  
RZ 0 CZ 0 TAPER CODE 117002

CAUTION HIGH VOLTAGE  
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HIGHWAY PERMIT NO.

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Utility CO  
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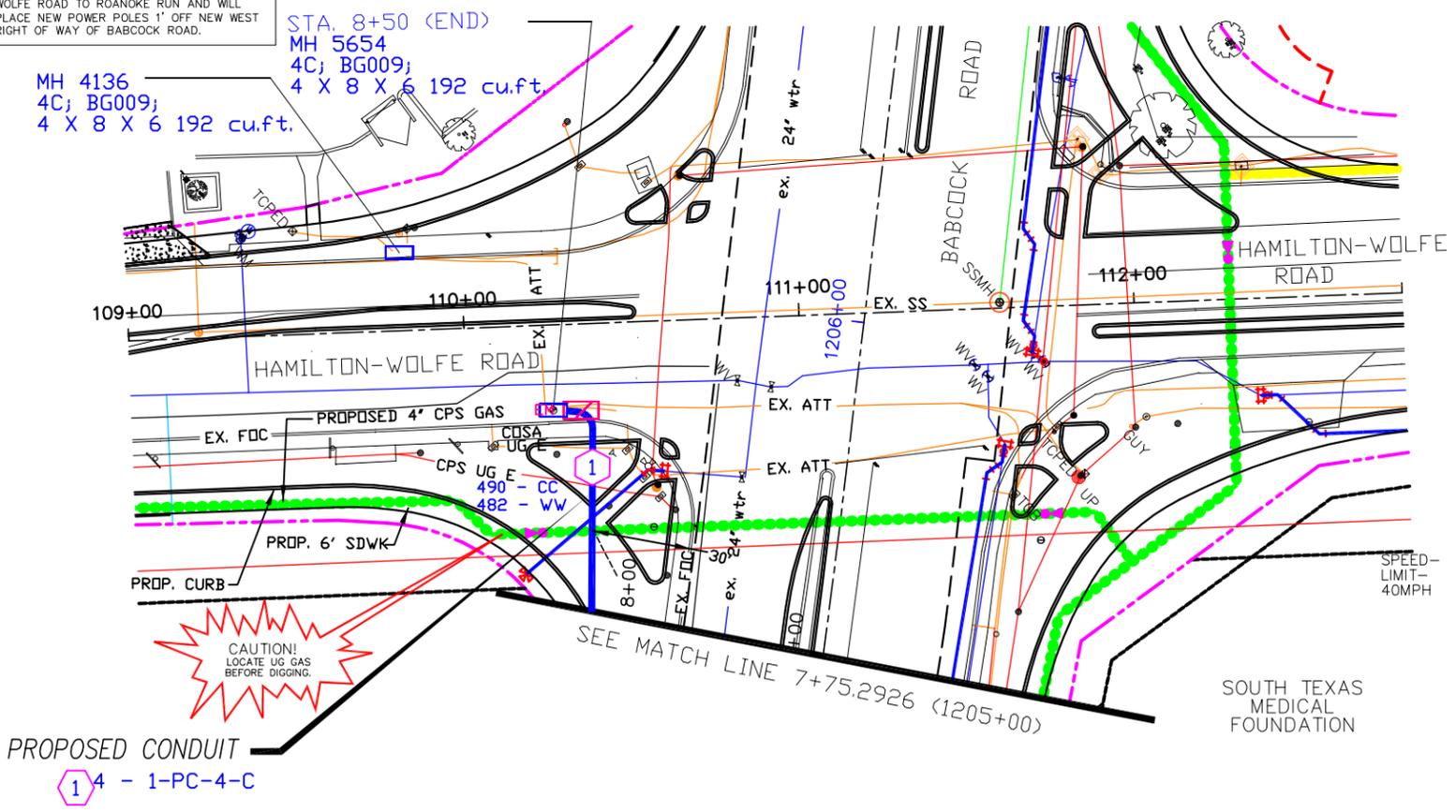
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TOT.PRINTS 3 PRINT NO. 3  
NPA/NNX: 210-593 PRT:210593  
EXCH. MEDICALCENTER

TAX DIST. BG009  
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