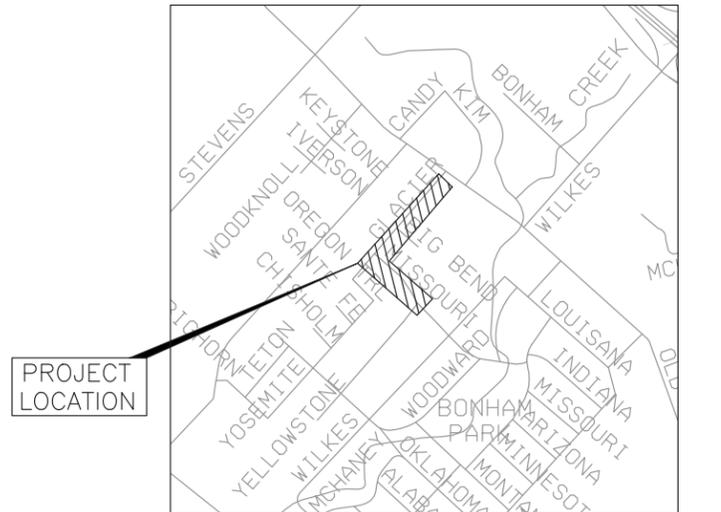


# CITY OF BRYAN ENGINEERING SERVICES 2009 SAFE ROUTES TO SCHOOL

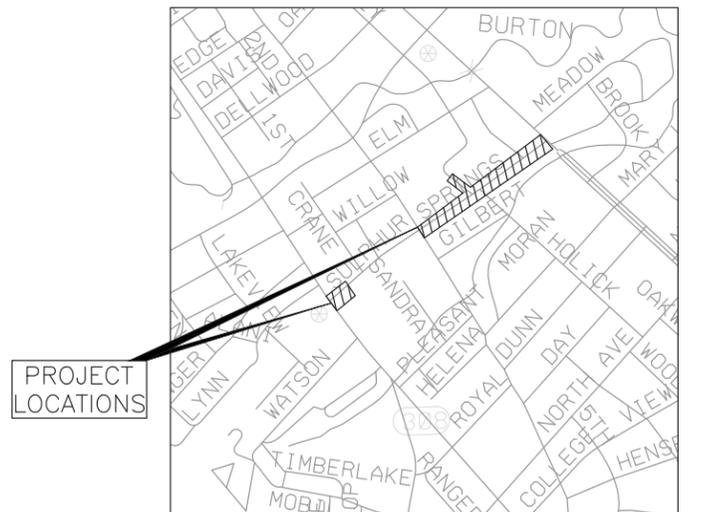
PROJECT NO.: 350-D8-1117

TxDOT PROJECT NOs.: 0917-29-112, 113, 114, 115

FEDERAL NO.: STP 2012(420)SRS



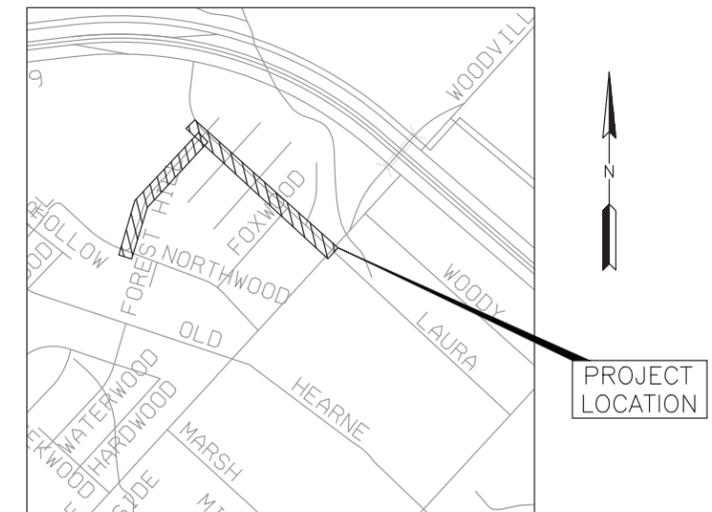
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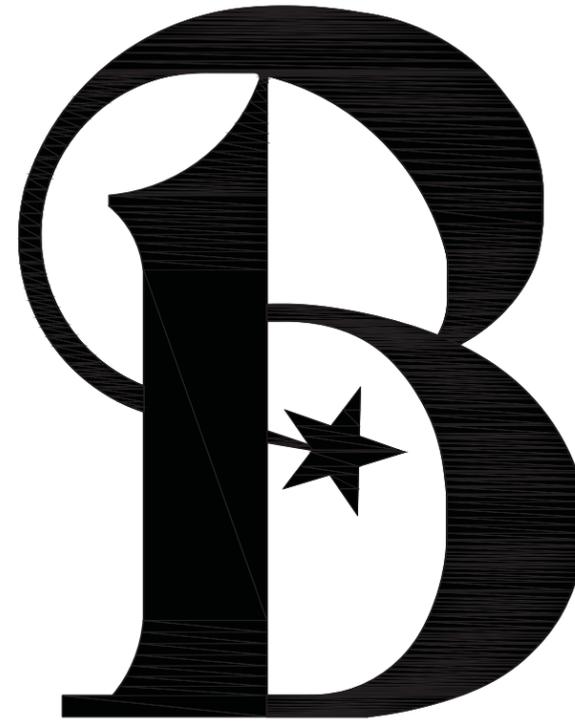
CROCKETT ELEMENTARY PROJECT LOCATION  
NO SCALE



JOHNSON ELEMENTARY PROJECT LOCATION  
NO SCALE



NAVARRO ELEMENTARY PROJECT LOCATION  
NO SCALE



**CITY OF BRYAN**  
*The Good Life, Texas Style.™*

**MAYOR AND COUNCIL**

**MAYOR: JASON BIENSKI**

**DISTRICT 1: RICHARD CORTEZ, SR.**

**DISTRICT 2: PAUL MADISON, SR.**

**DISTRICT 3: CHUCK KONDERLA**

**DISTRICT 4: ANN HORTON (MAYOR PRO TEM)**

**DISTRICT 5: ART HUGHES**

**AT LARGE: MIKE SOUTHERLAND**

**CITY ENGINEER: PAUL KASPAR, PE**

**PROJECT MANAGER: SUSAN MONNAT, PE**

**TDLR INSPECTION REQUIRED**

**TDLR NO. EABPRJB3803374**



**SPECIFICATIONS ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION JUNE 1, 2004, AND THE CONTRACT PROVISIONS LISTED AND DATED AS FOLLOWS SHALL GOVERN ON THIS PROJECT. REQUIRED CONTRACT PROVISIONS FOR ALL FEDERAL-AID CONSTRUCTION CONTRACTS (FORM 1273, MAY, 2012)**

**TEXAS DEPARTMENT OF TRANSPORTATION  
RECOMMENDED FOR LETTING**

DISTRICT ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

DIRECTOR OF OPERATIONS \_\_\_\_\_ DATE \_\_\_\_\_

FOR DIRECTOR, DESIGN DIVISION \_\_\_\_\_ DATE \_\_\_\_\_



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V-002	CROCKETT ELEMENTARY SURVEY CONTROL
V-003	JOHNSON ELEMENTARY SURVEY CONTROL
V-004	NAVARRO ELEMENTARY SURVEY CONTROL
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C-107	BONHAM ELEMENTARY SIDEWALKS TRAFFIC QUANTITIES
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C-404	NAVARRO ELEMENTARY LAURA LANESTA. 0+00 TO STA. 8+50
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## SIDEWALK NOTES

- PROPOSED CONCRETE SIDEWALK TO BE 5-FT IN WIDTH AND PROVIDED ON THE BACK OF CURB EXCEPT WHERE OTHERWISE IDENTIFIED ON THE DRAWINGS.
- SIDEWALK TO BE CONSTRUCTED TO MATCH CURB HEIGHT WHEN ON BACK OF CURB WITH A POSITIVE CROSS SLOPE OF NO MORE THAN 2.0% PER DETAIL SW-1-02 SHEET C-501.
- FOR SIDEWALK TREATMENT AT DRIVEWAY CROSSINGS, REFER TO DETAIL SHEET PED-12A, 3 OF 4.
- WHERE CONNECTING TO EXISTING DRIVEWAYS, MATCH EXISTING DRIVEWAY ELEVATION AT OUTSIDE EDGE OF SIDEWALK (ON RIGHT-OF-WAY SIDE).
- VERIFY ALL DRIVEWAY SLOPES IDENTIFIED IN THE DRIVEWAY INDEX PROVIDED ON SIDEWALK DRAWINGS. IF IDENTIFIED SLOPES DIFFER FROM THAT SHOWN IN THE DRAWINGS, NOTIFY THE ENGINEER PRIOR TO PERFORMING ANY WORK AT DRIVEWAY CROSSING. A CROSS SLOPE OF NO MORE THAN 2.0% SHALL BE PROVIDED AT ALL DRIVEWAY CROSSINGS, WHICH SHALL BE CONSTRUCTED PER DETAIL ST2-00, SHEET C-502.
- REMOVE EXISTING CONCRETE CURBS AT ALL DRIVEWAY CROSSINGS AND STREET CONNECTIONS (AMBULATORY RAMPS). REPLACE CURBS REMOVED ADJACENT TO THESE FEATURES AND PROVIDE ROLL FACE DIMINISHING AT THE POINT OF INTERSECTION WITH THE PROPOSED CONCRETE SIDEWALK. TIE INTO EXISTING CURB TO REMAIN PER DETAIL ST1-01, SHEET C-502. NO SEPARATE PAY FOR THIS CURB REPLACEMENT.
- PROPOSED SIDEWALK/SHARED USE PATH TO BE PROVIDED WITH A LIGHT BROOM FINISH AND CONTROL/CONTRACTION JOINTS SPACED AT A DISTANCE EQUIVALENT TO THE SIDEWALK WIDTH. CONSTRUCTION/EXPANSION JOINTS SHALL BE PROVIDED AT NO GREATER THAN 40-FT ON CENTER UNLESS OTHERWISE NOTED IN THE DRAWINGS.
- AT ALL CONNECTIONS TO EXISTING PAVEMENT (I.E. SIDEWALKS, DRIVEWAYS, AND STREETS) NOT TO BE REMOVED AND REPLACED AS PART OF THIS WORK, PROVIDE EXPANSION JOINT AT CONNECTION AND SMOOTH DOWEL BAR 1/2" DIAMETER BY 18" IN LENGTH WITH CAP AT 12" ON CENTER, COATED WITH HEAVY GREASE.
- AMBULATORY RAMPS SHALL BE PROVIDED AS SHOWN ON THE DRAWINGS.
- THERE WILL BE NO SEPARATE PAYMENT FOR WORK SHOWN ON THESE PLANS UNLESS OTHERWISE SPECIFICALLY ESTABLISHED IN BID SECTION OF CONTRACT DOCUMENTS. INCLUDE COST OF SUCH WORK IN UNIT PRICE FOR ITEMS OF WHICH WORK IS A COMPONENT OR INCIDENTAL TO.
- VERIFY LOCATION AND ELEVATION OF EXISTING FACILITIES PRIOR TO CONSTRUCTION OF PROPOSED FACILITIES. ANY DAMAGE TO EXISTING FACILITIES INCURRED AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE REPAIRED TO ORIGINAL CONDITION OR BETTER AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL REMAIN FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING PUBLIC OR PRIVATE UTILITY LINES, INCLUDING BUT NOT LIMITED TO WATER LINES, WASTEWATER COLLECTION SYSTEMS, AND STORM SEWERS DURING CONSTRUCTION.
- ALL DISTURBED AREAS OR AREAS AFFECTED BY CONSTRUCTION IN BOTH PRIVATE AND PUBLIC PROPERTIES SHALL BE CLEANED AND RETURNED TO EXISTING OR BETTER CONDITIONS. DISTURBED AREAS WITHIN RIGHTS-OF-WAYS AND/OR EASEMENTS SHALL BE FULLY RESTORED IN ACCORDANCE WITH APPLICABLE CITY OF BRYAN STANDARD CONSTRUCTION SPECIFICATIONS.
- VERIFY AND DOCUMENT OPERATION OF EXISTING SPRINKLER AND/OR IRRIGATION SYSTEMS. RESTORE ALL OPERATIONAL SPRINKLER AND/OR IRRIGATION SYSTEMS DISTURBED DURING CONSTRUCTION TO ORIGINAL CONDITION OR BETTER. ADJUST OPERATION (INSTALLING ADDITIONAL HEADS OR RELOCATING EXISTING HEADS) FOR OVER/UNDER SPRAY AFTER RESTORATION. NO SEPARATE PAY.
- VERIFY LOCATION OF UNDERGROUND UTILITIES AND NOTIFY THE FOLLOWING AGENCIES A MINIMUM OF 48-HRS PRIOR TO EXCAVATIONS.
  - TEXAS ONE CALL SYSTEM AT (800) 245-4545
  - LONE STAR NOTIFICATION CENTER AT (713) 223-4567
  - TEXAS EXCAVATION SAFETY SYSTEM INC. AT (800) 344-8377
  - CITY OF BRYAN PUBLIC WORKS AT (979) 209-5900

- COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND ALL REGULATIONS OF UTILITY COMPANIES CONCERNING SAFETY AND HEALTH PRACTICES.
- OWNER SHALL FURNISH INITIAL LABORATORY TEST. SUBSEQUENT TESTING DUE TO FAILED TEST RESULTS SHALL BE PROVIDED AT CONTRACTOR'S EXPENSE. COPY OF ALL TEST RESULTS SHALL BE SUBMITTED TO ENGINEER.
- PLANS DO NOT EXTEND OR INCLUDE DESIGNS OR SYSTEMS PERTAINING TO THE SAFETY OF THE CONTRACTOR OR ITS EMPLOYEES, AGENTS, OR REPRESENTATIVES IN THE PERFORMANCE OF WORK. SEAL OF REGISTERED PROFESSIONAL ENGINEER(S) HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED IN THESE PLANS. CONTRACTOR SHALL INDEPENDENTLY PREPARE AND/OR OBTAIN APPROPRIATE SAFETY SYSTEMS.
- GIVE NOTICE TO ALL AUTHORIZED INSPECTORS, SUPERINTENDENTS, OR PERSONS IN CHARGE OF PRIVATE AND PUBLIC UTILITIES AFFECTED BY OPERATIONS A MINIMUM OF ONE (1) WEEK PRIOR TO COMMENCEMENT OF WORK. OBTAIN ALL NECESSARY CONSTRUCTION PERMITS PRIOR TO STARTING CONSTRUCTION.
- NOTIFY CITY OF BRYAN ENGINEERING SERVICES BY WRITTEN NOTIFICATION 48-HRS IN ADVANCE OF STARTING CONSTRUCTION, FOLLOWED BY TELEPHONE NOTIFICATION 24-HRS IN ADVANCE OF STARTING CONSTRUCTION. A COPY OF WRITTEN NOTIFICATION SHALL BE SENT TO ENGINEER.
- COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS, CODES AND ORDINANCES APPLICABLE TO WORK. IF SUCH REGULATIONS CONFLICT WITH SPECIFICATION, REGULATIONS SHALL GOVERN EXCEPT WHERE SPECIFICATIONS EXCEED THEM IN QUALITY OR QUANTITY OF MATERIALS/LABOR. OBTAIN AND PAY FOR ALL PERMITS REQUIRED IN CONNECTION WITH EXECUTION OF WORK. UNDER NO CIRCUMSTANCES SHALL ANY WORK BE STARTED BEFORE THE REQUIRED PERMITS ARE OBTAINED.

## TRAFFIC SIGN MATERIALS

- SIGN SUBSTRATE
  - SIGN SUBSTRATE (EXCEPT STREET NAME SIGNS) SHALL MEET REQUIREMENTS FOR ASTM B 209 AND HAVE THE FOLLOWING THICKNESS: 0.080" FOR SIGNS LESS THAN 7.5 SQUARE FEET, 0.100" FOR SIGNS 7.5 TO 15 SQUARE FEET, AND 0.125" FOR SIGNS GREATER THAN 15 SQUARE FEET.
- SIGN SHEETING
  - ALL SIGN MATERIALS SHALL MEET THE REQUIREMENTS OF ASTM D 4956 TYPE, AS FOLLOWS:
    - RED BACKGROUND - ASTM TYPE VII, VIII, IX, OR X (OR TXDOT TYPE D), WITH ASTM TYPE III OR IV (TXDOT TYPE C) LEGEND/BORDER
    - WHITE BACKGROUND - ASTM TYPE III OR IV (TXDOT TYPE C), WITH BLACK ACRYLIC LEGEND/BORDER
    - YELLOW BACKGROUND - ASTM TYPE VII, VIII, IX, OR X (OR TXDOT TYPE E), WITH BLACK ACRYLIC LEGEND/BORDER OR ASTM TYPE VII, VIII, IX, OR X (OR TXDOT TYPE D) LEGEND/SYMBOL
    - FLUORESCENT YELLOW-GREEN BACKGROUND - ASTM TYPE VII, VIII, IX, OR X (TXDOT TYPE E), WITH BLACK ACRYLIC LEGEND/BORDER (SCHOOL-RELATED WARNING SIGNS)
    - GREEN, BROWN, BLUE BACKGROUNDS - ASTM TYPE III OR IV (TXDOT TYPE C), WITH WITH WHITE ASTM TYPE VII, VIII, IX, OR X (TXDOT TYPE D) LEGEND/BORDER.
- SIGN POST
  - ALL SIGN POSTS SHALL BE 13 BWG GALVANIZED STEEL TUBING 9AS PER ASTM 123 OR ASTM A653 G210), AND HAVE 2.375" OUTSIDE DIAMETER AND 0.095" NOMINAL WALL THICKNESS. POST SHALL BE BLACK POWDER-COATED WHEN SPECIFIED. PAINTED OR SPLICED POSTS ARE NOT ACCEPTABLE. POSTS SHALL BE SEAMLESS STEEL TUBING, WITH 50,000 PSI MINIMUM YIELD STRENGTH, AND 70,000 PSI MINIMUM TENSILE STRENGTH. LENGTH SHALL BE DETERMINED AS PER TEXAS MUTCD SIGN HEIGHT REQUIREMENTS.
  - ALL SIGN POSTS SHALL BE DELINEATED WITH A 12-INCH RETROREFLECTIVE STRIP (YELLOW OR RED) AS PER SECTION 2A.21 OF THE 2011 TEXAS MUTCD.
- SIGN SUPPORT
  - SIGN SUPPORTS SHALL MEET CRASHWORTHY REQUIREMENTS OF NCHRP 350, AND UNLESS OTHERWISE SPECIFIED, SHALL BE THE STEEL "WEDGE ANCHOR SYSTEM."
- MISCELLANEOUS
  - USE GALVANIZED STEEL, STAINLESS STEEL, OR DICHROMATE-SEALED ALUMINUM FOR BOLTS, NUTS, WASHERS, LOCK WASHERS, SCREWS, AND OTHER SIGN ASSEMBLY HARDWARE. USE PLASTIC OR NYLON WASHERS TO AVOID TEARING THE SHEETING MATERIAL.
  - ALL SIGN COMPONENTS (SUBSTRATE, SHEETING, POST, SUPPORT, MOUNTING HARDWARE, ETC.) WILL NOT BE MEASURED OR PAID FOR DIRECTLY BUT WILL BE SUBSIDIARY TO EACH UNIT SIGN.

REVISIONS:

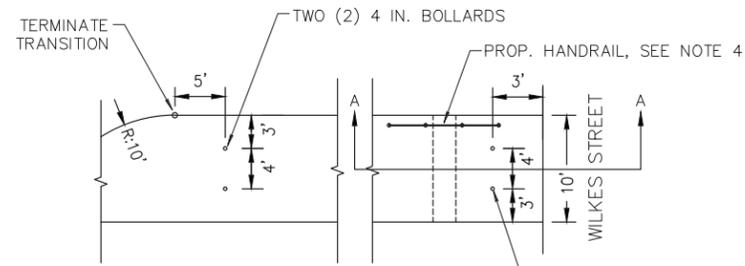


2009 SAFE ROUTES TO SCHOOL  
 GENERAL NOTES,  
 INDEXES, AND LEGENDS

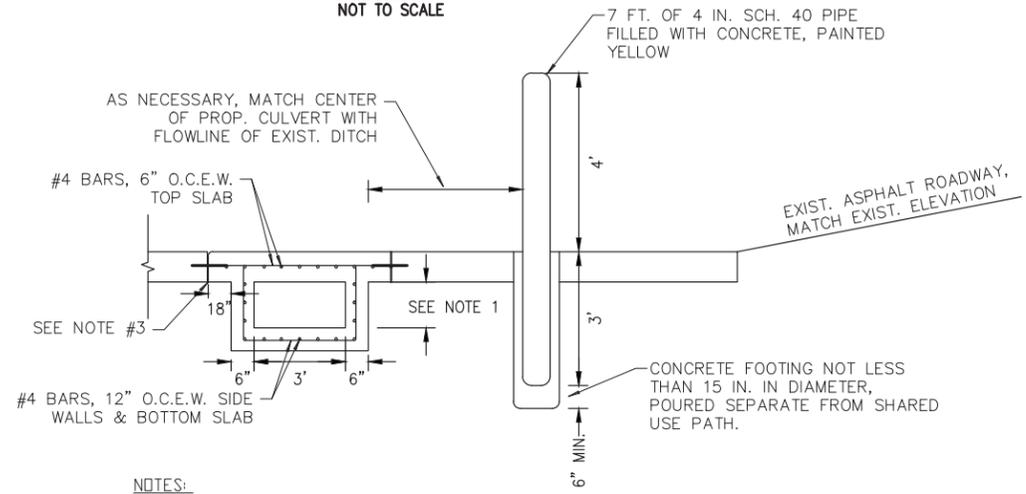


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 DATE: 2012/12/03  
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 APPROVED: JCR

SHEET:  
 G-001



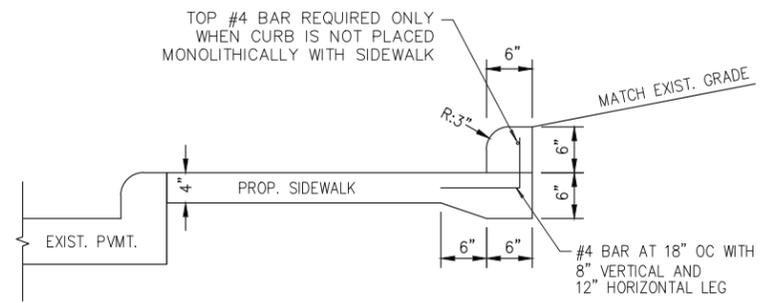
PLAN  
NOT TO SCALE



NOTES:

1. DEPTH AS NECESSARY TO MATCH EXISTING DITCH FLOWLINE. REGRADE EXISTING DITCH AS NECESSARY TO PROVIDE ADEQUATE DRAINAGE.
2. SIDEWALK REINFORCEMENT PER DETAIL SW1-02, SHEET C-501.
3. PROVIDE SIDEWALK EXPANSION & CONSTRUCTION JOINT PER DETAIL SW1-02, SHEET C-501 WHERE 6-INCH THICK TOP SECTION TIES TO PROPOSED 4-INCH CONCRETE SIDEWALK. INSTALL HORIZONTAL DOWELS (SMOOTH DOWEL BAR, 1/2" X 18", COATED WITH HEAVY GREASE) IMBEDDED INTO TOP OF CULVERT AND INTO PROPOSED CONCRETE SIDEWALK AT 12-INCHES O.C. WITH "PO ROC" OR APPROVED EPOXY GROUT EQUAL. PROVIDE METAL OR PLASTIC CAP ON DOWELS IN ACCORDANCE WITH DETAIL SW1-02, SHEET C-501.
4. INSTALL HANDRAIL PER DETAIL SW1-01, SHEET C-501 WHERE DROP FROM EDGE OF SIDEWALK TO NATURAL GROUND IS GREATER THAN OR EQUAL TO 8-INCHES, OR AT A MINIMUM 10 L.F. OF HANDRAIL.

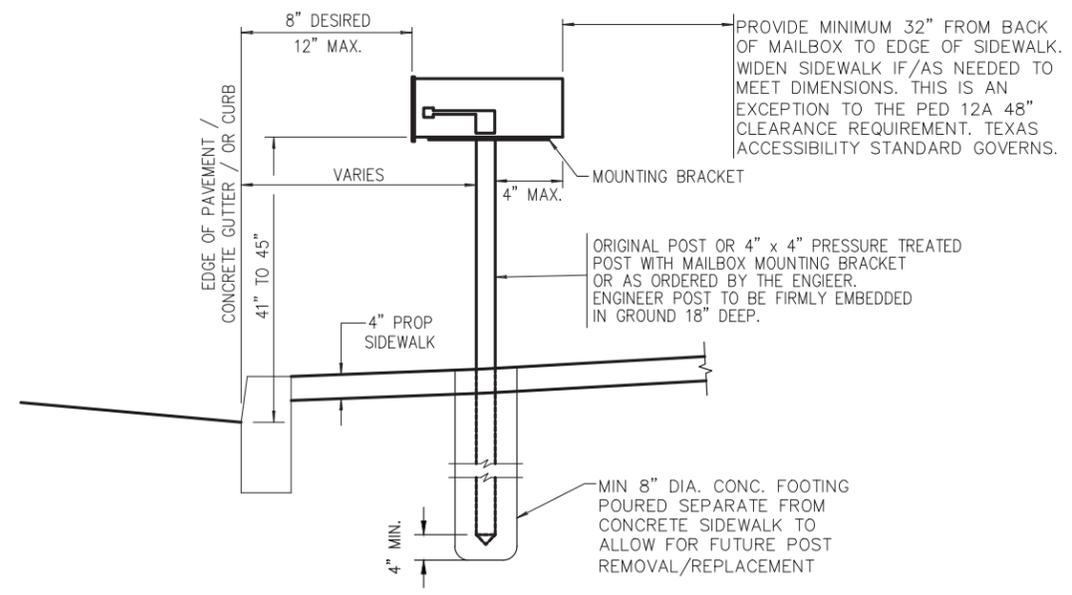
SHARED USE PATH WITH CULVERT  
SECTION A-A  
NOT TO SCALE



NOTES:

1. IF CURB IS NOT PLACED AS INTEGRAL PART OF SIDEWALK, ROUGHEN SURFACE FOR BOND AND PROVIDE #4 BARS AT 18" OC.
2. SIDEWALK REINFORCEMENT PER DETAIL SW1-02, SHEET C-501
3. CURB TO BE PROVIDED AS INDICATED ON THE DRAWING AND WHERE SLOPE FROM EDGE OF PROP SIDEWALK TO ROW IS GREATER THAN 4:1. REGRADE FROM TOP OF CURB TO ROW AT NO GREATER THAN 4:1 SLOPE. NO SEPARATE PAY FOR CURB.

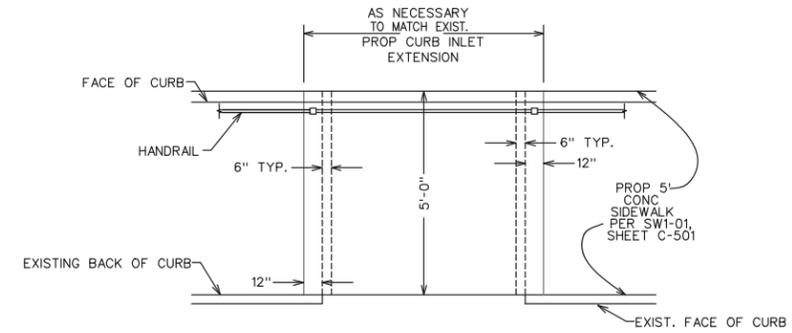
SIDEWALK WITH CURB  
NOT TO SCALE



NOTES:

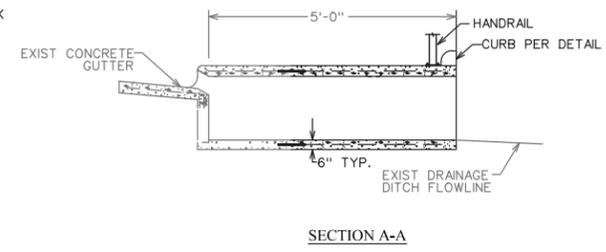
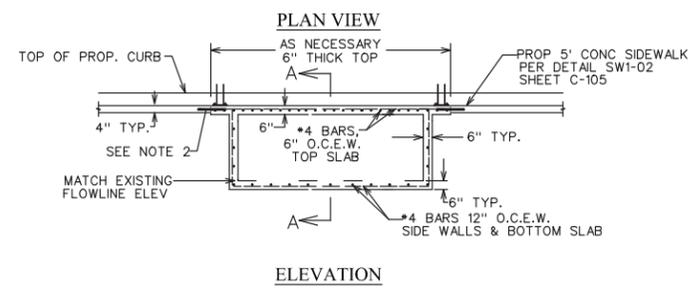
1. NO MAILBOX SHALL BE REMOVED AND/OR RELOCATED WITHOUT 5 DAYS WRITTEN NOTICE TO THE OWNING PARTY

MAILBOX INSTALLATION  
NOT TO SCALE



NOTES:

1. PROVIDE SIDEWALK EXPANSION & CONSTRUCTION JOINT PER DETAIL SW1-02, SHEET C-501 WHERE 6-INCH THICK TOP SECTION TIES TO PROPOSED 4-INCH CONCRETE SIDEWALK.
2. INSTALL HORIZONTAL DOWELS (SMOOTH DOWEL BAR, 1/2" X 18", COATED WITH HEAVY GREASE) IMBEDDED INTO SIDEWALLS, BASE, AND TOP OF EXISTING CURB INLET AND INTO PROPOSED 5-FT CONCRETE SIDEWALK AT 12-INCHES O.C. WITH "PO ROC" OR APPROVED EPOXY GROUT EQUAL. PROVIDE METAL OR PLASTIC CAP ON DOWELS IN ACCORDANCE WITH DETAIL SW1-02, SHEET C-501.
3. CLEAN BASE/OUTFALL OF EXISTING INLET OF ALL DEBRIS AND SILT. GROUT FILL BASE OF PROPOSED EXTENSION TO MATCH SLOPES AND FLOW OF EXISTING BASE AND PROMOTE POSITIVE FLOW OF WATER FROM INLET TO DRAINAGE DITCH. SALVAGE AND REINSTALL MANHOLE COVER AS NECESSARY TO MATCH EXISTING CONDITIONS PER CITY DETAILS.
4. INSTALL HANDRAIL WHERE DROP FROM EDGE OF SIDEWALK TO NATURAL GROUND IS GREATER THAN OR EQUAL TO 8-INCHES. MAINTAIN A MINIMUM 5-FT HORIZONTAL CLEARANCE, ACCESSIBLE ROUTE BETWEEN INSIDE EDGE OF PROPOSED HANDRAIL AND EDGE OF PROPOSED SIDEWALK.



DRAINAGE DITCH CROSSING  
NOT TO SCALE



2009 SAFE ROUTES TO SCHOOL  
GENERAL DETAILS

Lockwood, Andrews & Newnam, Inc.  
A LEE A SULLY COMPANY  
ENGINEERING  
PROGRAM MANAGEMENT  
217 Rock Prairie Road  
College Station, Texas 7745  
Tel 979.776.1000 Fax 979.693.8678

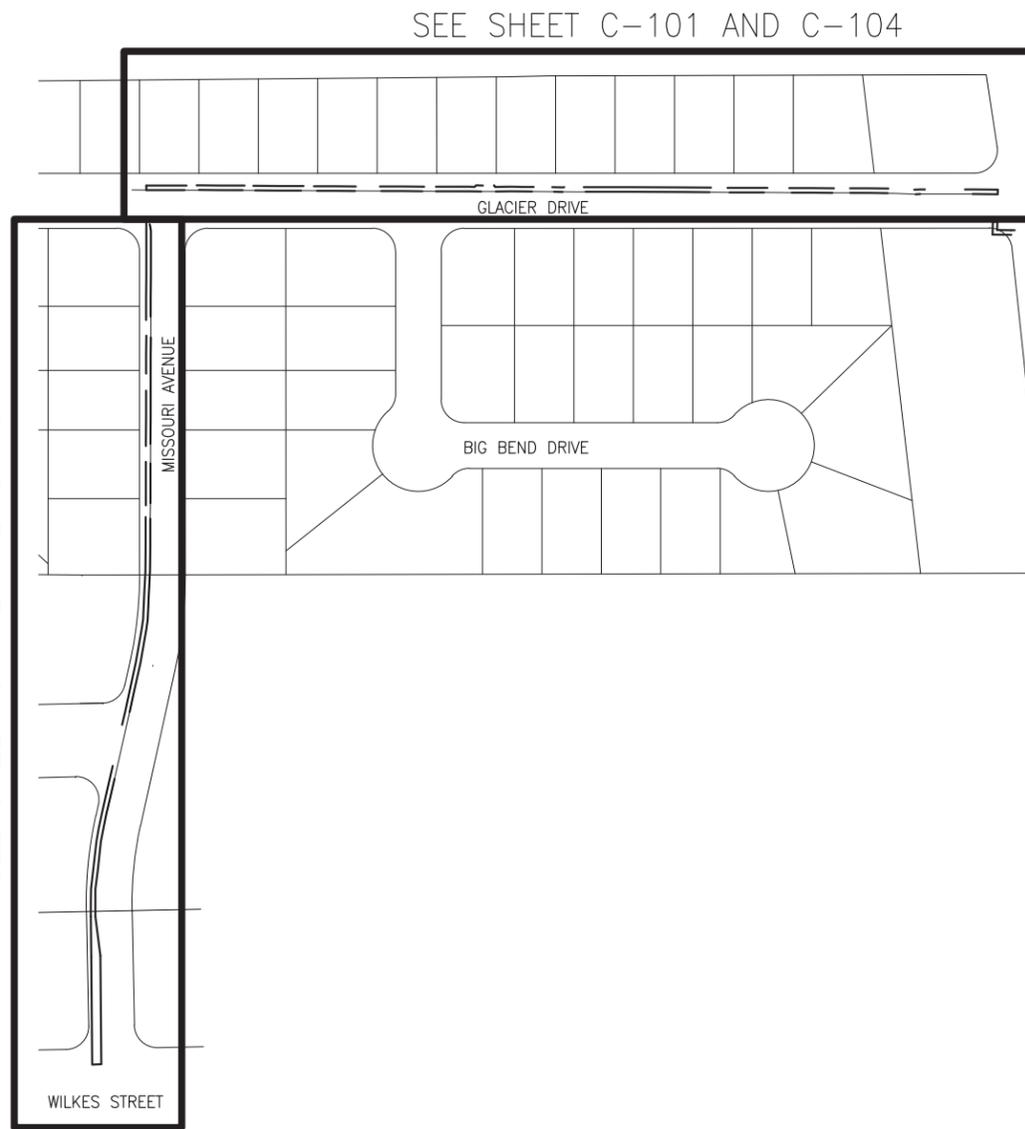


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DATE: 2012/11/28  
SCALE: NOT TO SCALE  
APPROVED: JCR

SHEET:  
G-002

Drawing Name: I:\20-11256-000\4-0-production\4-0-drawings\General\CoB\_SRTS\_GenNotesIndexLegend.dwg Date Plotted : Nov 28, 2012 - 6:38pm By: KJLEBLANC

SEE SHEET C-102 AND C-104



REVISIONS:



# BONHAM ELEM. SIDEWALKS OVERALL SITE LAYOUT

**Lockwood, Andrews & Newman, Inc.**  
A LEE A. BAILY COMPANY

PLANNING  
ENGINEERING  
PROGRAM MANAGEMENT

217 Rock Prairie Road  
College Station, Texas 77445  
Tel 979.776.1000 Fax 979.693.8678



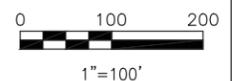
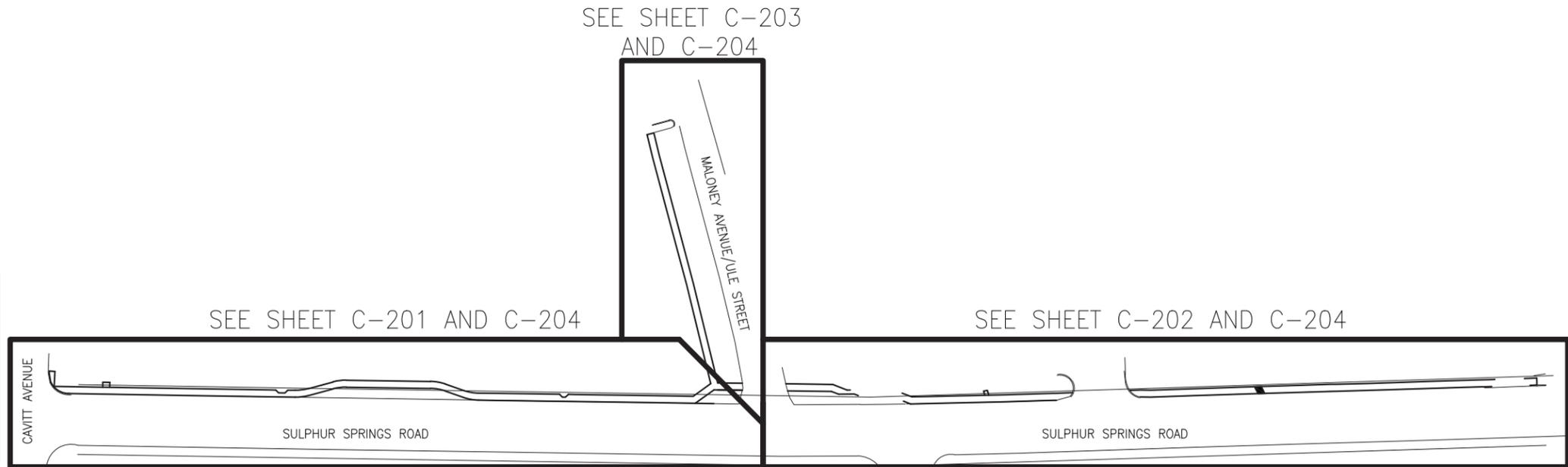
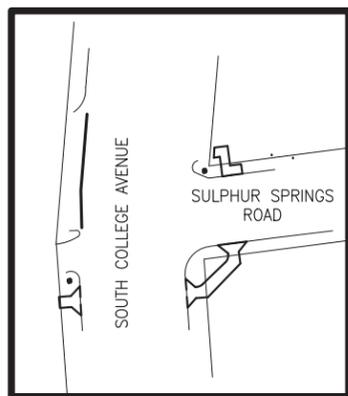
DRAWN BY: KJL  
DATE: 2012/11/28  
SCALE: AS NOTED  
APPROVED: JCR

SHEET :  
**C-001**

Drawing Name: I:\20-11256-000\4-0-production\4-01-drawings\Civil\Crockett\C-100-Layout.dwg

Date Plotted : Nov 28, 2012 - 6:39pm By: KJLEBLANC

SEE SHEET C-203  
AND C-206



REVISIONS:




**CROCKETT ELEM. SIDEWALKS  
OVERALL SITE LAYOUT**

**LAN**  
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A LEE A. SULLY COMPANY  
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PROGRAM MANAGEMENT  
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College Station, Texas 77445  
Tel 979.776.1000 Fax 979.693.8678

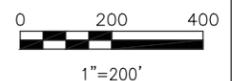
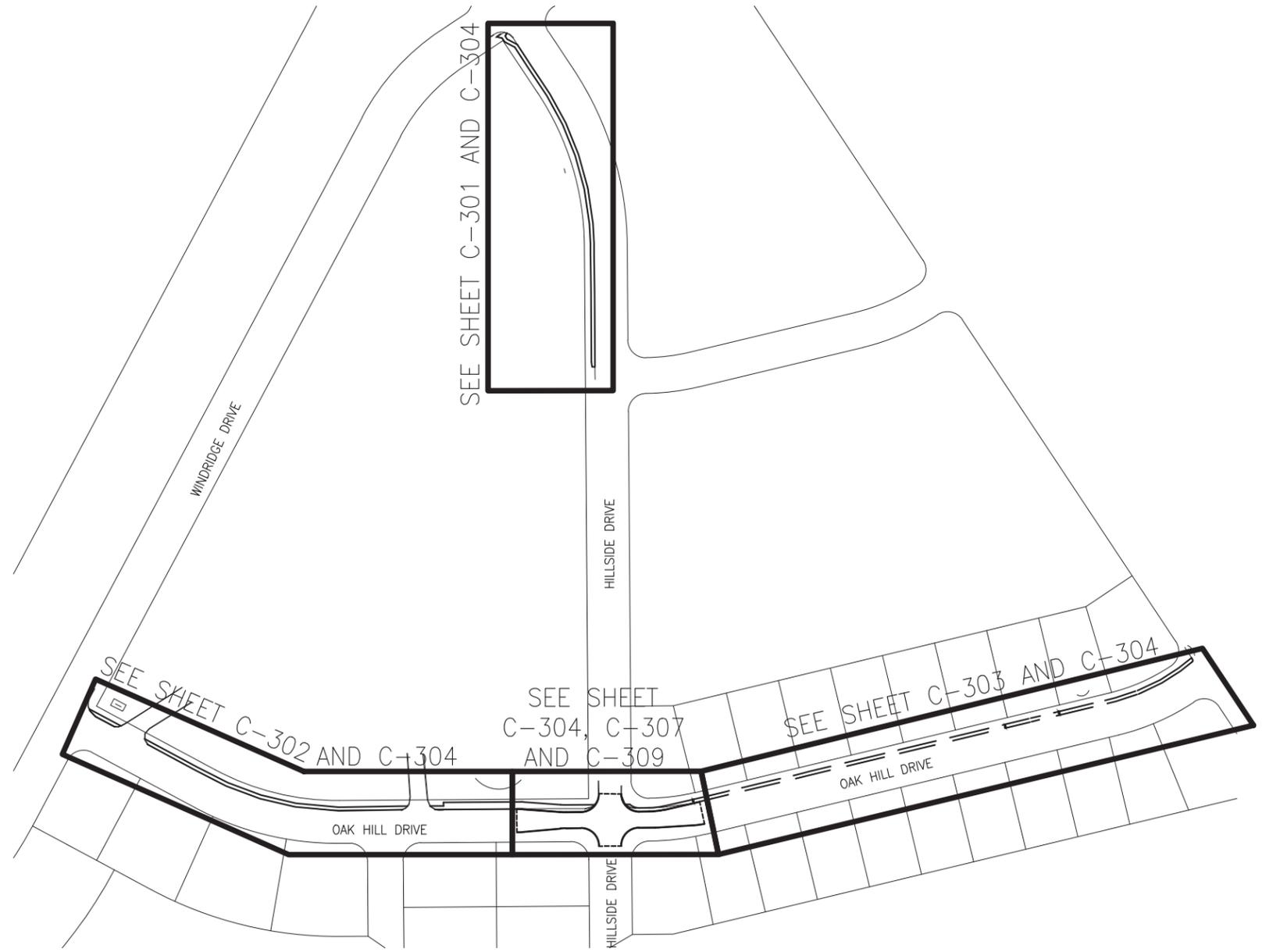


DRAWN BY: KJL  
DATE: 2012/11/28  
SCALE: AS NOTED  
APPROVED: JCR

SHEET :  
**C-002**

Drawing Name: I:\20-11256-000\4-0-production\4-01-drawings\Civil\Johnson\C-100-Layout.dwg

Date Plotted : Nov 28, 2012 - 6:39pm By: KJLEBLANC



REVISIONS:




**JOHNSON ELEM. SIDEWALKS  
OVERALL SITE LAYOUT**

**lan**  
Lockwood, Andrews & Newnam, Inc.  
A LEE A. SALEY COMPANY

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PROGRAM MANAGEMENT

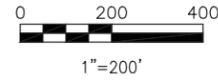
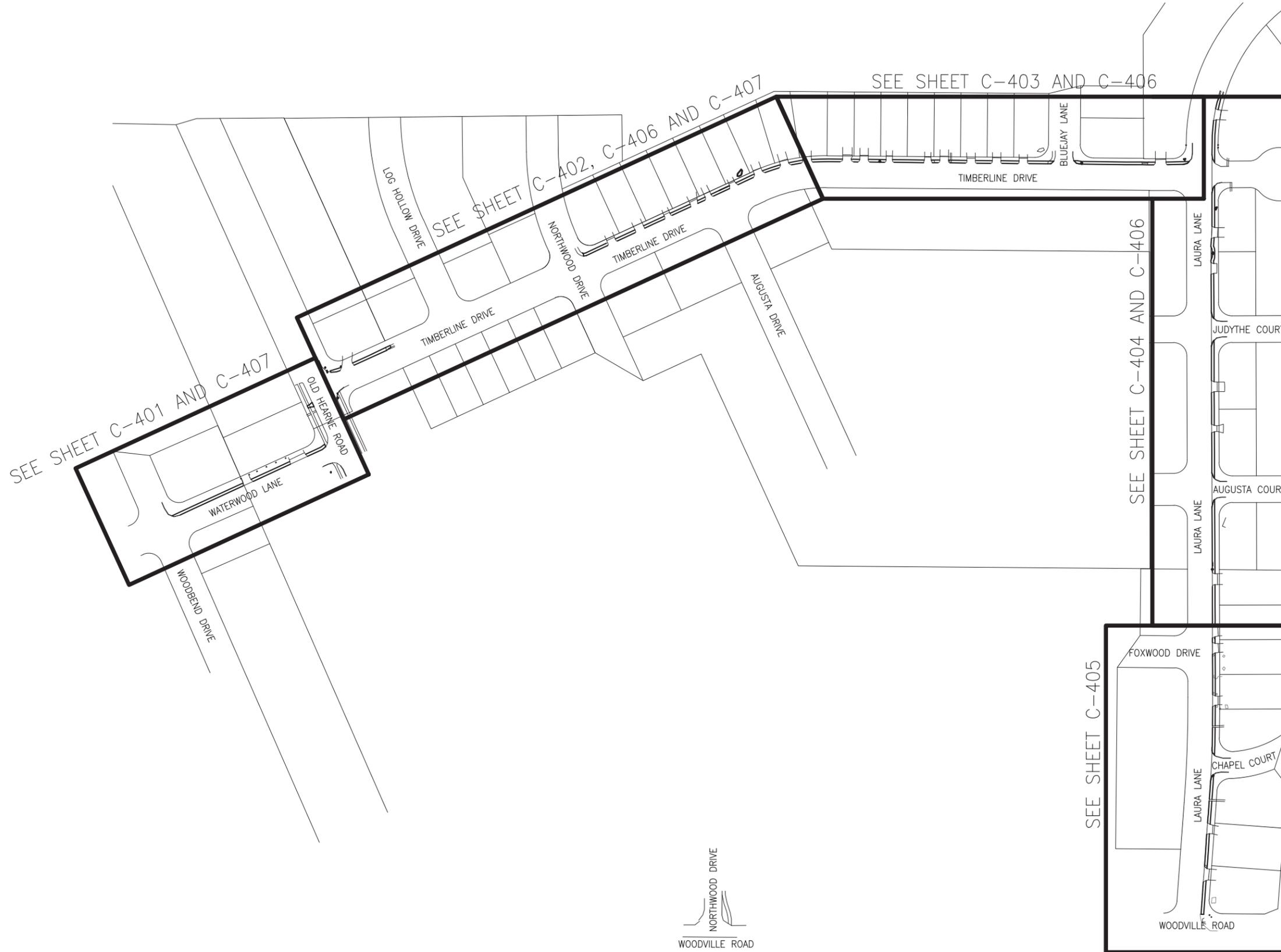
217 Rock Prairie Road  
College Station, Texas 77445  
Tel 979.776.1000 Fax 979.693.8678



DRAWN BY: KJL  
DATE: 2012/11/28  
SCALE: AS NOTED  
APPROVED: JCR

SHEET :  
**C-003**

Drawing Name: I:\20-11256-000\4-0-production\4-01-drawings\Civil\Navarro\C-100-Layout.dwg



REVISIONS:

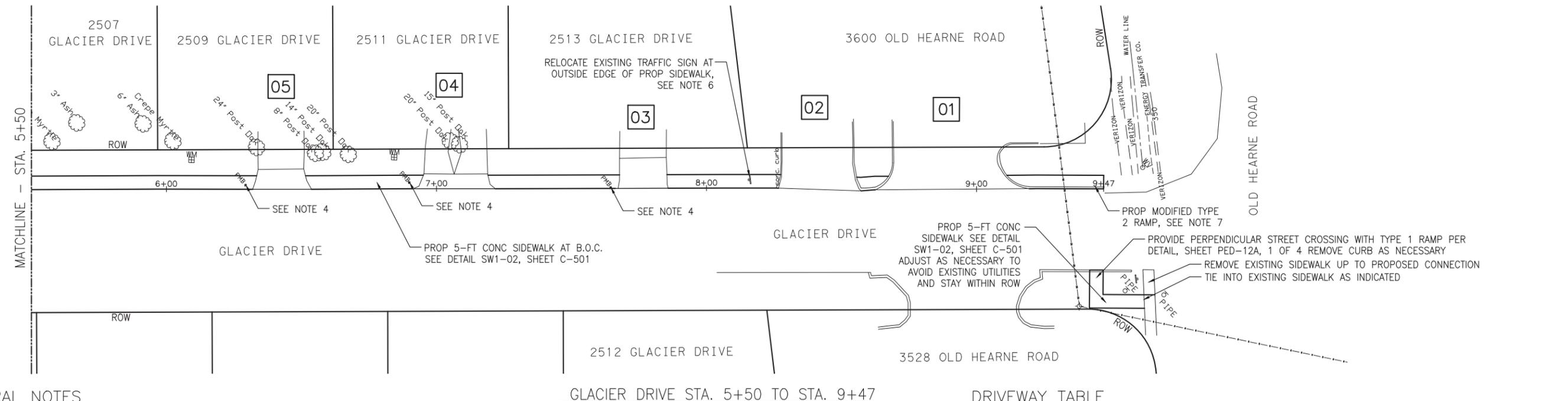
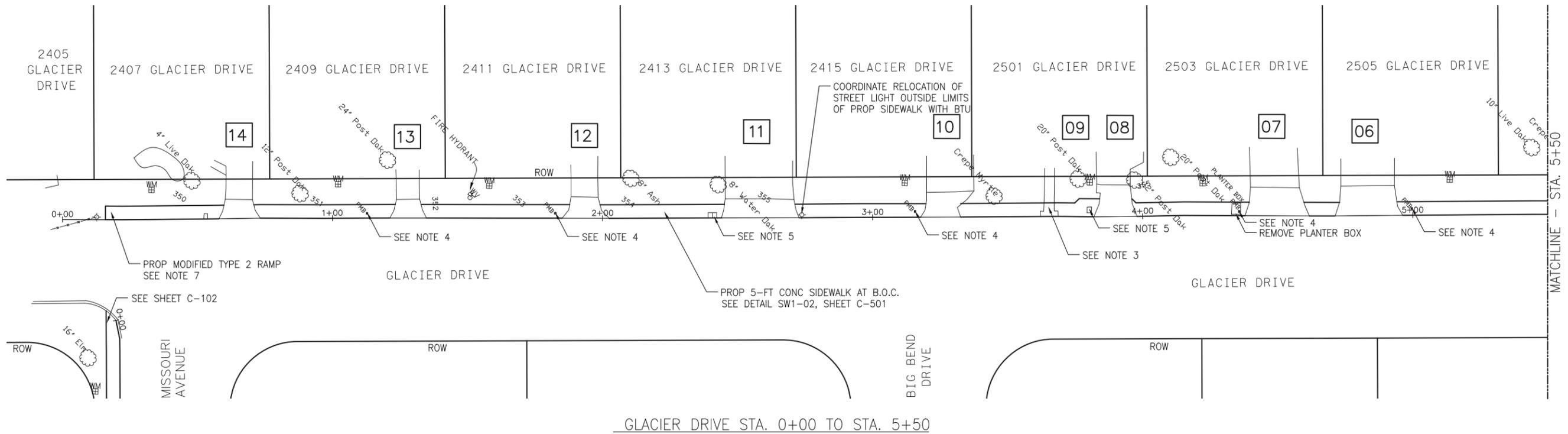

**NAVARRO ELEM. SIDEWALKS  
OVERALL SITE LAYOUT**

**IGN**  
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PROGRAM MANAGEMENT  
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Tel 979.776.1000 Fax 979.693.8678



DRAWN BY: KJL  
DATE: 2012/11/28  
SCALE: AS NOTED  
APPROVED: JCR  
SHEET :  
**C-004**

Drawing Name: I:\20-11256-000\4-0-production\4-01-drawings\Civil\Bonham\C-101\_GDOT.dwg

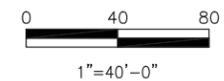


**GENERAL NOTES**

1. REMOVE CURB AS NECESSARY FOR INSTALLATION OF PROPOSED RAMP AND SIDEWALK AT ALL DRIVEWAY AND ROADWAY CROSSINGS. WHERE REMOVED, PROVIDE CURB RETURN WITH ROLL FACE DIMINISHING AT EDGE OF PROPOSED SIDEWALK.
2. SEE DRIVEWAY TABLE, THIS SHEET, FOR INDEX WITH IDENTIFICATION OF PROPOSED REMOVAL AND REPLACEMENT OF EXISTING DRIVEWAYS TO PROVIDE ACCESSIBLE ROUTE AT SIDEWALK. DRIVEWAYS DESIGNATED HEREON BY NUMBER. SEE SIDEWALK NOTES, SHEET G-001, FOR SPECIFIC DIRECTION BASED ON ACTION NOTED IN THE TABLE.
3. DEMO EXISTING SIDEWALK AS NECESSARY TO ACCOMMODATE PROP SIDEWALK. REMOVE SUFFICIENT LENGTH (BUT NOT BEYOND RIGHT OF WAY) TO TIE EXISTING INTO PROPOSED AT NO SLOPE GREATER THAN 1:12.
4. RELOCATE EXISTING POST MAILBOX (PMB) PER DETAIL, SHEET G-002.
5. WIDEN PROP SIDEWALK IF/AS NECESSARY TO PROVIDE A MINIMUM 36-IN ACCESSIBLE ROUTE AROUND EXISTING MASONRY MAILBOX. TEXAS ACCESSIBILITY STANDARD GOVERNS PED-12A.
6. SEE SHEETS C-103 THROUGH C-106 FOR PROP CROSSWALK AND SIGNAGE IMPROVEMENTS.
7. MODIFIED TYPE 2 RAMP PER DETAIL ON SHEET PED-12A, 1 OF 4 BUT TO BE CONSTRUCTED WITH ONE (1) APPROACH/RAMP ONLY.
8. ROOT GRUB/REMOVAL MAY BE REQUIRED ALONG PROPOSED SIDEWALK ROUTE WHERE TREES/SHRUBS HAVE BEEN REMOVED. NO SEPARATE PAY.

**DRIVEWAY TABLE**

DRIVEWAY NO.	DRIVEWAY NAME	EXISTING DRIVEWAY	PROPOSED DRIVEWAY	REMARKS
01	3600 OLD HEARNE ROAD	EXISTING	EXISTING	
02	3600 OLD HEARNE ROAD	EXISTING	EXISTING	
03	2513 GLACIER DRIVE	EXISTING	EXISTING	
04	2511 GLACIER DRIVE	EXISTING	EXISTING	
05	2509 GLACIER DRIVE	EXISTING	EXISTING	



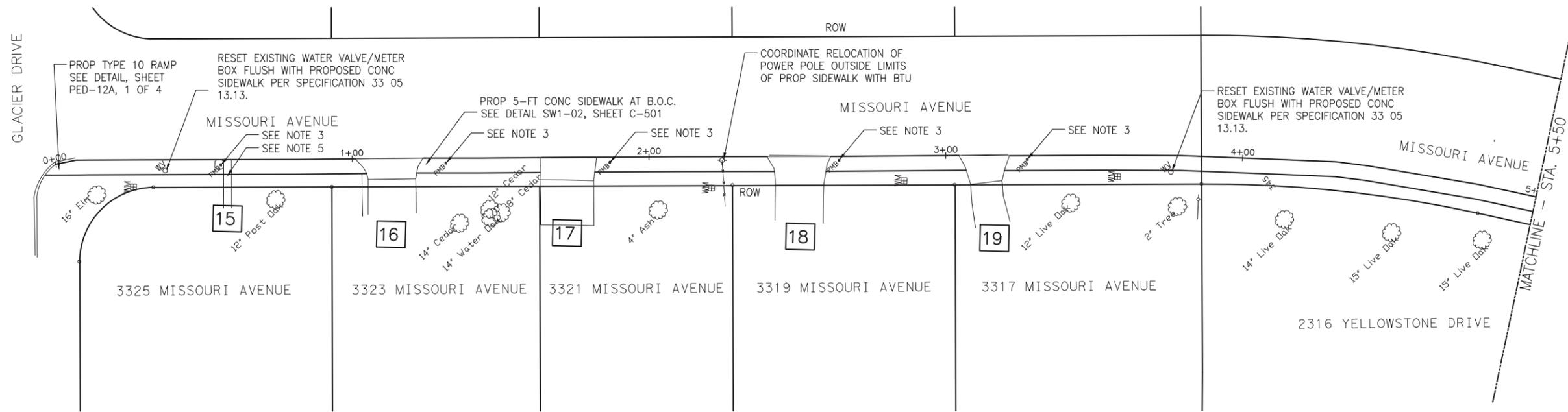
REVISIONS:


**BONHAM ELEM. SIDEWALKS**  
**GLACIER DRIVE**  
**STA. 0+00 TO STA. 9+47**

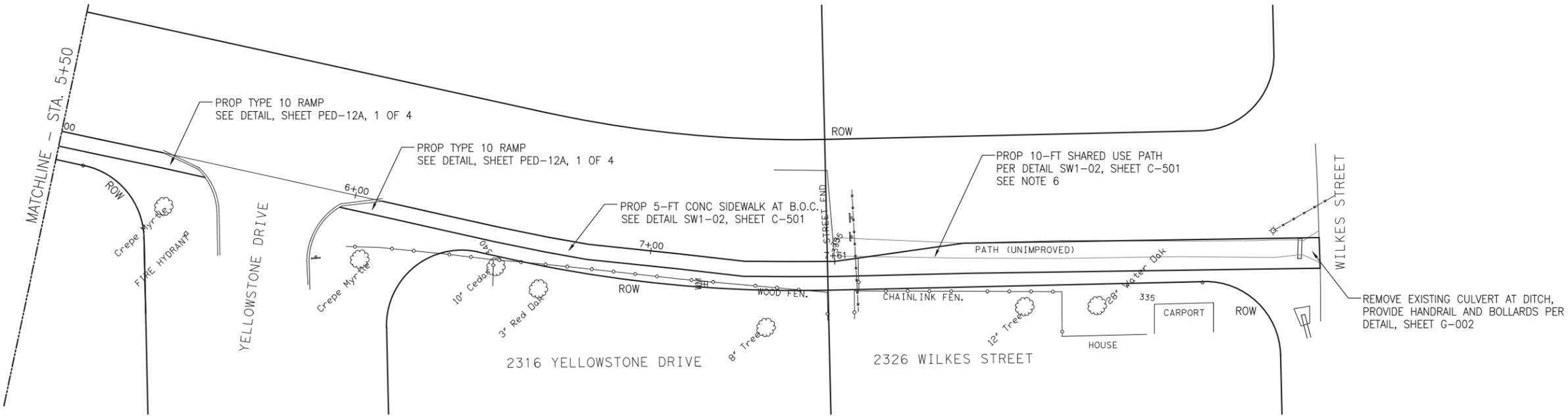
**Lockwood, Andrews & Newman, Inc.**  
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DRAWN BY: KJL  
 DATE: 2012/11/28  
 SCALE: AS NOTED  
 APPROVED: JCR  
 SHEET:  
**C-101**



MISSOURI AVENUE STA. 0+00 TO STA. 5+50



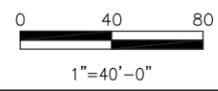
MISSOURI AVENUE STA. 5+50 TO STA. 7+61

**GENERAL NOTES**

1. REMOVE CURB AS NECESSARY FOR INSTALLATION OF PROPOSED RAMP AND SIDEWALK AT ALL DRIVEWAY AND ROADWAY CROSSINGS. WHERE REMOVED, PROVIDE CURB RETURN WITH ROLL FACE DIMINISHING AT EDGE OF PROPOSED SIDEWALK.
2. SEE DRIVEWAY TABLE, THIS SHEET, FOR INDEX WITH IDENTIFICATION OF PROPOSED REMOVAL AND REPLACEMENT OF EXISTING DRIVEWAYS TO PROVIDE ACCESSIBLE ROUTE AT SIDEWALK. DRIVEWAYS DESIGNATED HEREON BY NUMBER. SEE SIDEWALK NOTES, SHEET G-002, FOR SPECIFIC DIRECTION BASED ON ACTION NOTED IN THE TABLE.
3. RELOCATE EXISTING POST MAILBOX (PMB) PER SEE DETAIL, SHEET G-002.
4. SEE SHEETS C-103 THROUGH C-106 FOR PROP CROSSWALK AND SIGNAGE IMPROVEMENTS.
5. DEMO EXISTING SIDEWALK AS NECESSARY TO ACCOMMODATE PROP SIDEWALK. REMOVE SUFFICIENT LENGTH (BUT NOT BEYOND RIGHT OF WAY) TO TIE EXISTING INTO PROPOSED AT NO SLOPE GREATER THAN 1:12.
6. PROVIDE TRANSITION FROM PROP 5-FT SIDEWALK TO PROP 10-FT SHARED USE PATH OVER 50 LINEAR FEET, WITH 10-RADIAL TRANSITIONS AT POINT OF COMMENCEMENT AND POINT OF TERMINATION OF TRANSITION. COMMENCE TRANSITION AT EDGE OF PAVEMENT ALONG MISSOURI AVE. REGRADE AS NECESSARY OUTSIDE SIDEWALK LIMITS TO MAINTAIN POSITIVE DRAINAGE.
7. ROOT GRUB/REMOVAL MAY BE REQUIRED ALONG PROPOSED SIDEWALK ROUTE WHERE TREES/SHRUBS HAVE BEEN REMOVED. NO SEPARATE PAY.

**DRIVEWAY TABLE**

IDENTIFICATION NUMBER	ADDRESS	APPROX LOCATION	WIDTH	DEPTH	SLOPE	COMMENT	ACTION
15	3325 MISSOURI AVENUE	0+58	02.7	09.3	2.9%	Sidewalk	REMOVE & REPLACE
16	3323 MISSOURI AVENUE	1+12	16.1	09.5	0.9%	Driveway	NONE
17	3321 MISSOURI AVENUE	1+72	18.0	09.6	1.5%	Driveway	NONE
18	3319 MISSOURI AVENUE	2+50	16.2	09.6	1.6%	Driveway	NONE
19	3317 MISSOURI AVENUE	3+13	10.3	09.9	7.5%	Driveway	REMOVE & REPLACE
20	YELLOWSTONE DRIVE	5+72	30.9	29.8	0.9%	Driveway	NONE



REVISIONS:


**BONHAM ELEM. SIDEWALKS**  
**MISSOURI AVENUE**  
**STA. 0+00 TO STA. 7+61**

217 Rock Prairie Road  
 College Station, Texas 77455  
 Tel 979.776.1000 Fax 979.693.8678

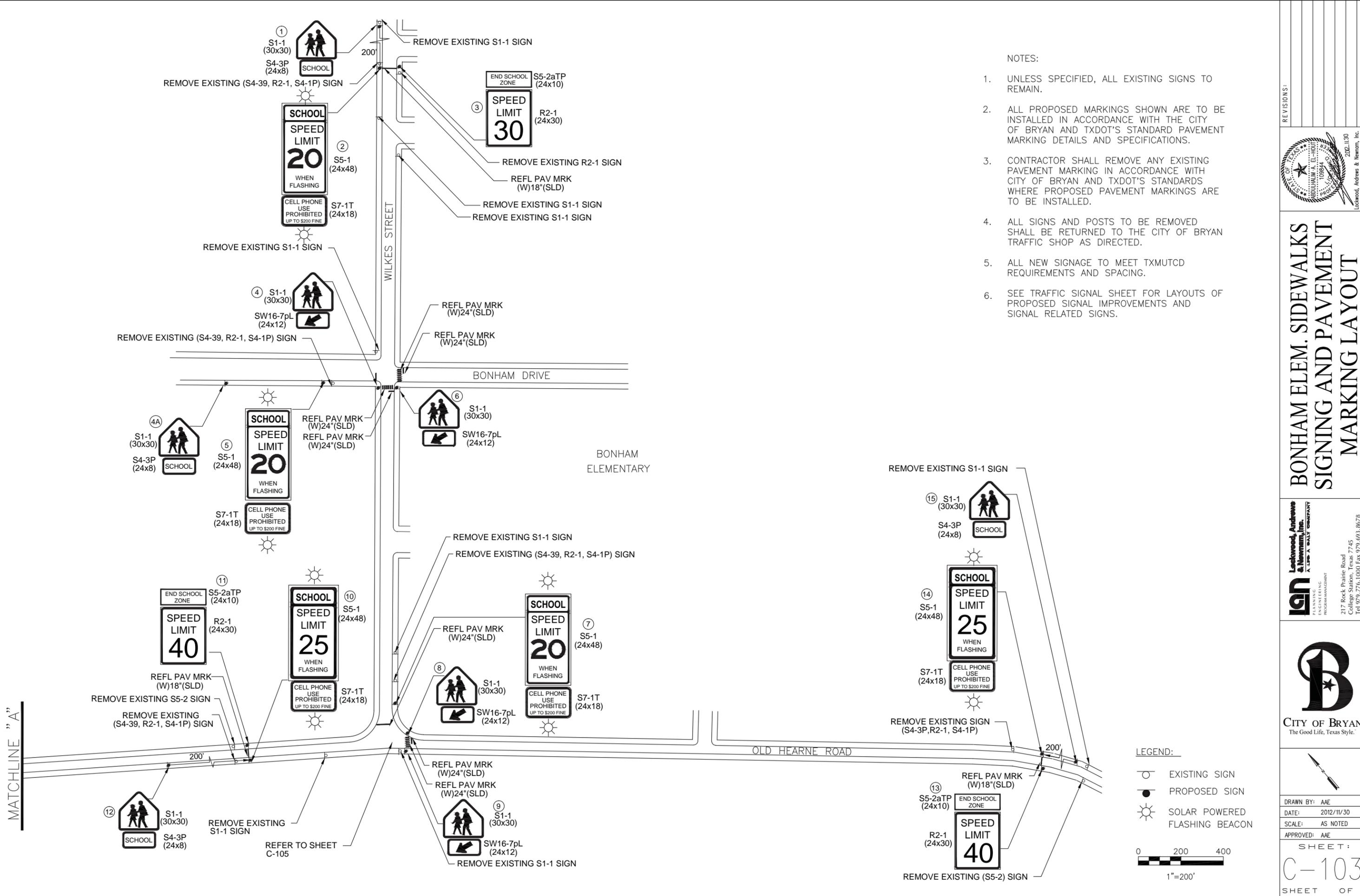
**CITY OF BRYAN**  
 The Good Life, Texas Style.

DRAWN BY: KJL  
 DATE: 2012/12/03  
 SCALE: AS NOTED  
 APPROVED: JCR

SHEET:  
**C-102**

Drawing Name: I:\20-11256-000\4-0-production\4-01-drawings\Civil\Bonham\C-102\_MAO1.dwg Date Plotted : Dec 03, 2012 - 2:26pm By: KJLEBLANC

Drawing Name: L:\120-11256-000\4-0-Production\Traffic\COB\_SRTS\_90%\_BONHAM\_TRAFFIC\_DESIGN.dwg

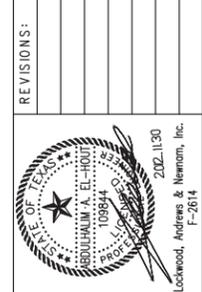


- NOTES:
1. UNLESS SPECIFIED, ALL EXISTING SIGNS TO REMAIN.
  2. ALL PROPOSED MARKINGS SHOWN ARE TO BE INSTALLED IN ACCORDANCE WITH THE CITY OF BRYAN AND TXDOT'S STANDARD PAVEMENT MARKING DETAILS AND SPECIFICATIONS.
  3. CONTRACTOR SHALL REMOVE ANY EXISTING PAVEMENT MARKING IN ACCORDANCE WITH CITY OF BRYAN AND TXDOT'S STANDARDS WHERE PROPOSED PAVEMENT MARKINGS ARE TO BE INSTALLED.
  4. ALL SIGNS AND POSTS TO BE REMOVED SHALL BE RETURNED TO THE CITY OF BRYAN TRAFFIC SHOP AS DIRECTED.
  5. ALL NEW SIGNAGE TO MEET TXMUTCD REQUIREMENTS AND SPACING.
  6. SEE TRAFFIC SIGNAL SHEET FOR LAYOUTS OF PROPOSED SIGNAL IMPROVEMENTS AND SIGNAL RELATED SIGNS.

LEGEND:

- EXISTING SIGN
- PROPOSED SIGN
- SOLAR POWERED FLASHING BEACON

0 200 400  
1"=200'



# BONHAM ELEM. SIDEWALKS SIGNING AND PAVEMENT MARKING LAYOUT

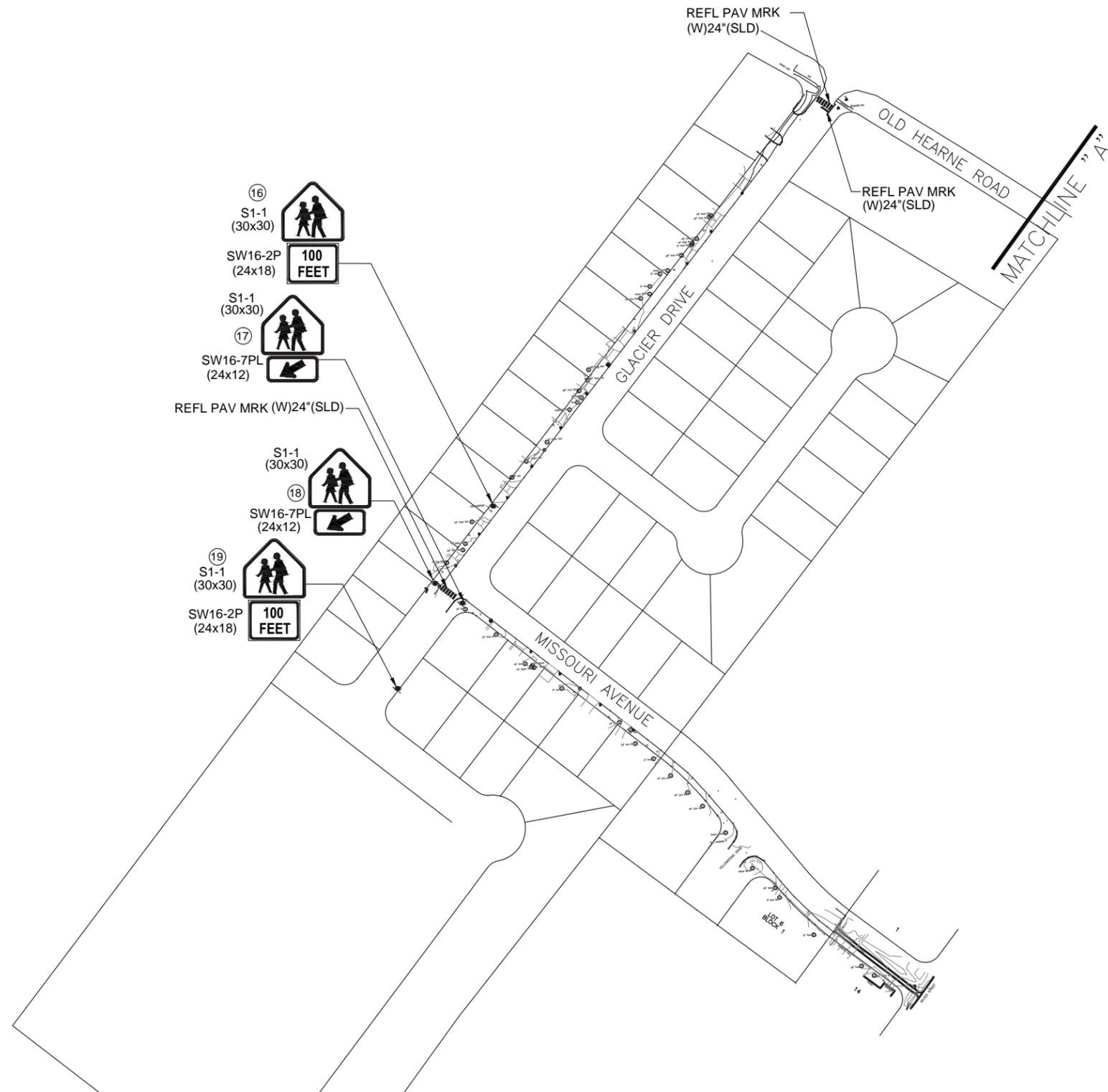
**Lockwood, Andrews & Newnam, Inc.**  
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DRAWN BY: AAE  
DATE: 2012/11/30  
SCALE: AS NOTED  
APPROVED: AAE  
SHEET:  
**C-103**  
SHEET OF

Drawing Name: L:\120-11256-000\4-0-Production\4-01-Drawings\Traffic\COB\_SRTS\_90%\_BONHAM\_TRAFFIC\_DESIGN.dwg

Date Plotted : Nov 29, 2012 - 6:57pm By: AHELHOUT

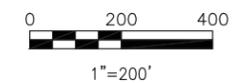


NOTES:

1. UNLESS SPECIFIED, ALL EXISTING SIGNS TO REMAIN.
2. ALL PROPOSED MARKINGS SHOWN ARE TO BE INSTALLED IN ACCORDANCE WITH THE CITY OF BRYAN AND TXDOT'S STANDARD PAVEMENT MARKING DETAILS AND SPECIFICATIONS.
3. CONTRACTOR SHALL REMOVE ANY EXISTING PAVEMENT MARKING IN ACCORDANCE WITH CITY OF BRYAN AND TXDOT'S STANDARDS WHERE PROPOSED PAVEMENT MARKINGS ARE TO BE INSTALLED.
4. ALL SIGNS AND POSTS TO BE REMOVED SHALL BE RETURNED TO THE CITY OF BRYAN TRAFFIC SHOP AS DIRECTED.
5. ALL NEW SIGNAGE TO MEET TXMUTCD REQUIREMENTS AND SPACING.
6. SEE TRAFFIC SIGNAL SHEET FOR LAYOUTS OF PROPOSED SIGNAL IMPROVEMENTS AND SIGNAL RELATED SIGNS.

LEGEND:

- EXISTING SIGN
- PROPOSED SIGN
- SOLAR POWERED FLASHING BEACON



REVISIONS:



**BONHAM ELEM. SIDEWALKS  
SIGNING AND PAVEMENT  
MARKING LAYOUT**

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ENGINEERING  
PROGRAMMANAGEMENT  
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College Station, Texas 7745  
Tel 979.776.1000 Fax 979.693.8678



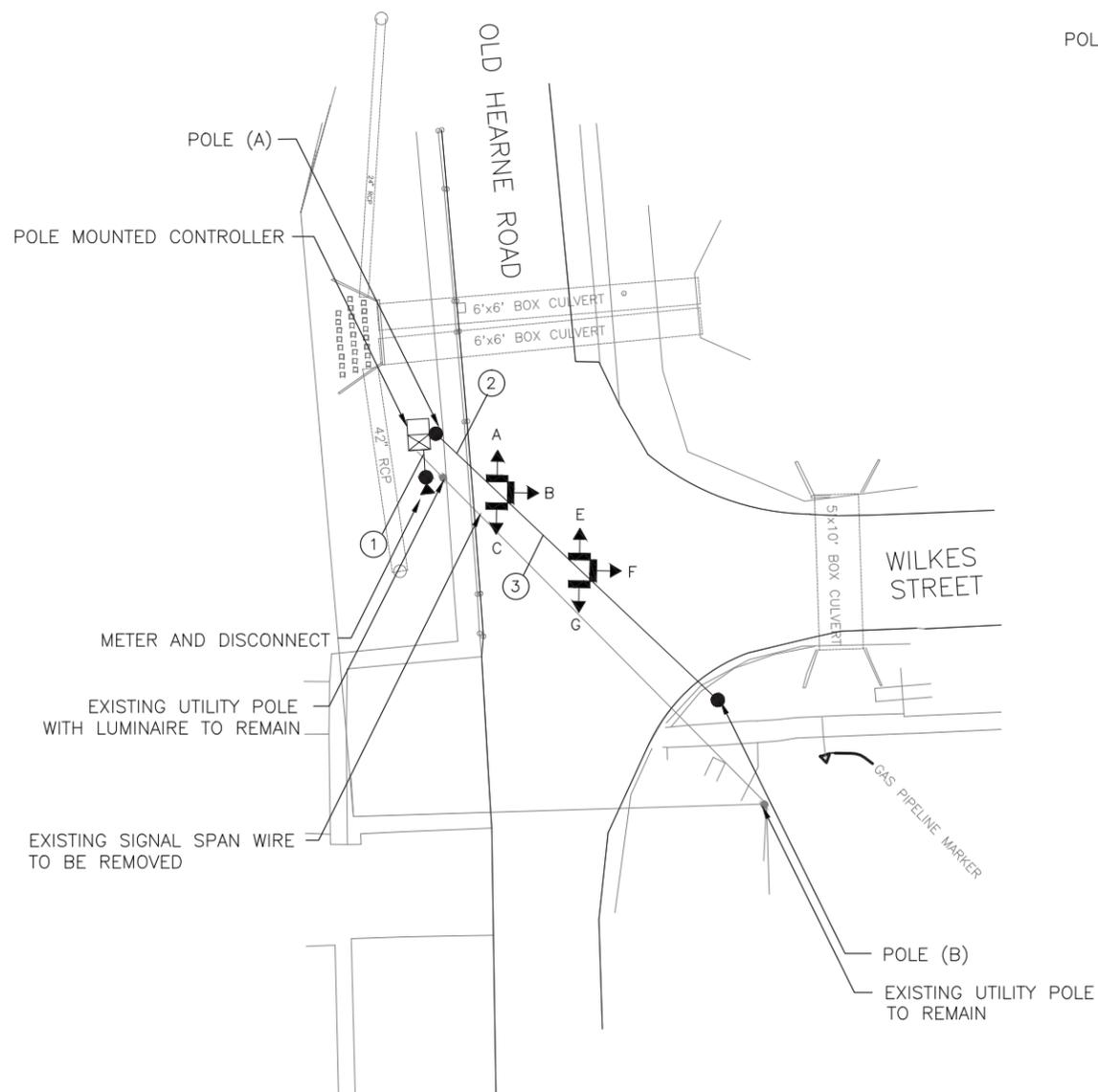
DRAWN BY: AAE  
DATE: 2012/11/30  
SCALE: AS NOTED  
APPROVED: AAE  
SHEET :  
**C-104**  
SHEET OF

RUN	LENGTH OF RUN	ELECTRICAL CONDUCTOR		CONDUIT	TRAFFIC SIGNAL CABLE
		ELEC CONDR (NO.6) INSUL	ELEC CONDR (NO.6) BARE	TRENCH 2" CONDUIT	TRAF SIG CBL (TYA) (7 COND) (12 AWG)
1	13	2	1	1	
2	A				2
3	A				1

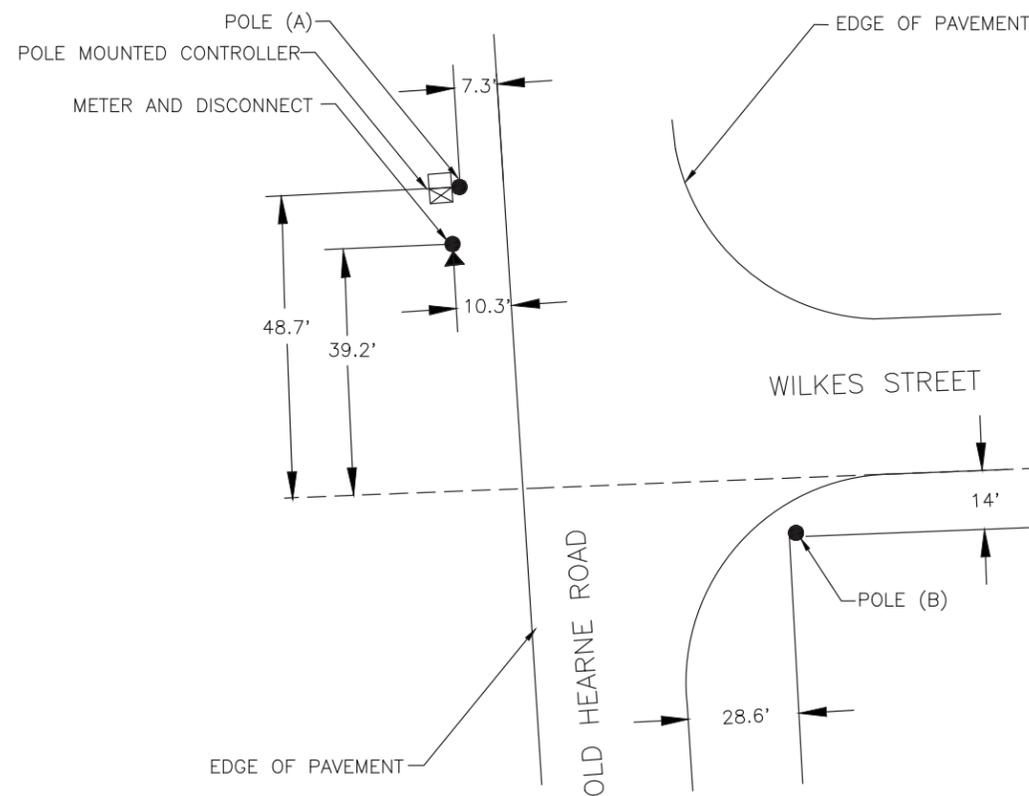
\*A = AERIAL

ELECTRICAL SERVICE DATA									
ELECTRICAL SERVICE DESCRIPTION(SEE ED(4))	SERVICE CONDUIT SIZE (RMC)	SERVICE CONDUCTORS NO./SIZE	SAFETY SWITCH AMPS	MAIN DISCONNECT CKT. BRK. POLE/AMP	TWO-POLE CONTACTOR AMPS ***	PANELBD./LOADCENTER AMP RATING (MIN)	CIRCUIT NO.	BRANCH CKT. BRK. POLE/AMPS	KVA LOAD
TY D(120/240)070(NS)AL(N)SP(0)	1 1/4"	3/#4	N/A	20/70	30	100	T.S.	1P/50	<7.1

PROPOSED LAYOUT



POLES LOCATION (NTS)



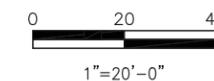
NOTES:

1. THE LOCATION OF UNDERGROUND UTILITIES IS APPROXIMATE.
2. CALL THE "TEXAS ONE CALL" LOCATOR AT 1-800-245-4545, 48 HRS BEFORE BEGINNING ANY EXCAVATION.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING UTILITIES ADJACENT TO WORK AREA.
4. ALL SIGNAL HEADS SHALL HAVE BACKPLATES.

LEGEND OF PROPOSED SYMBOLS

- ▲ SIGNAL HEAD
- STRAIN POLE (26')
- ☒ SIGNAL CONTROLLER
- ⊕ METER AND DISCONNECT
- Ⓝ RUN LABEL

SIGNAL LEGEND

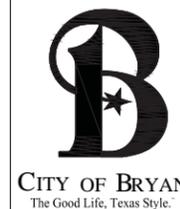


REVISIONS:



BONHAM ELEM. SIDEWALKS  
WILKES STREET AT  
OLD HEARNE ROAD

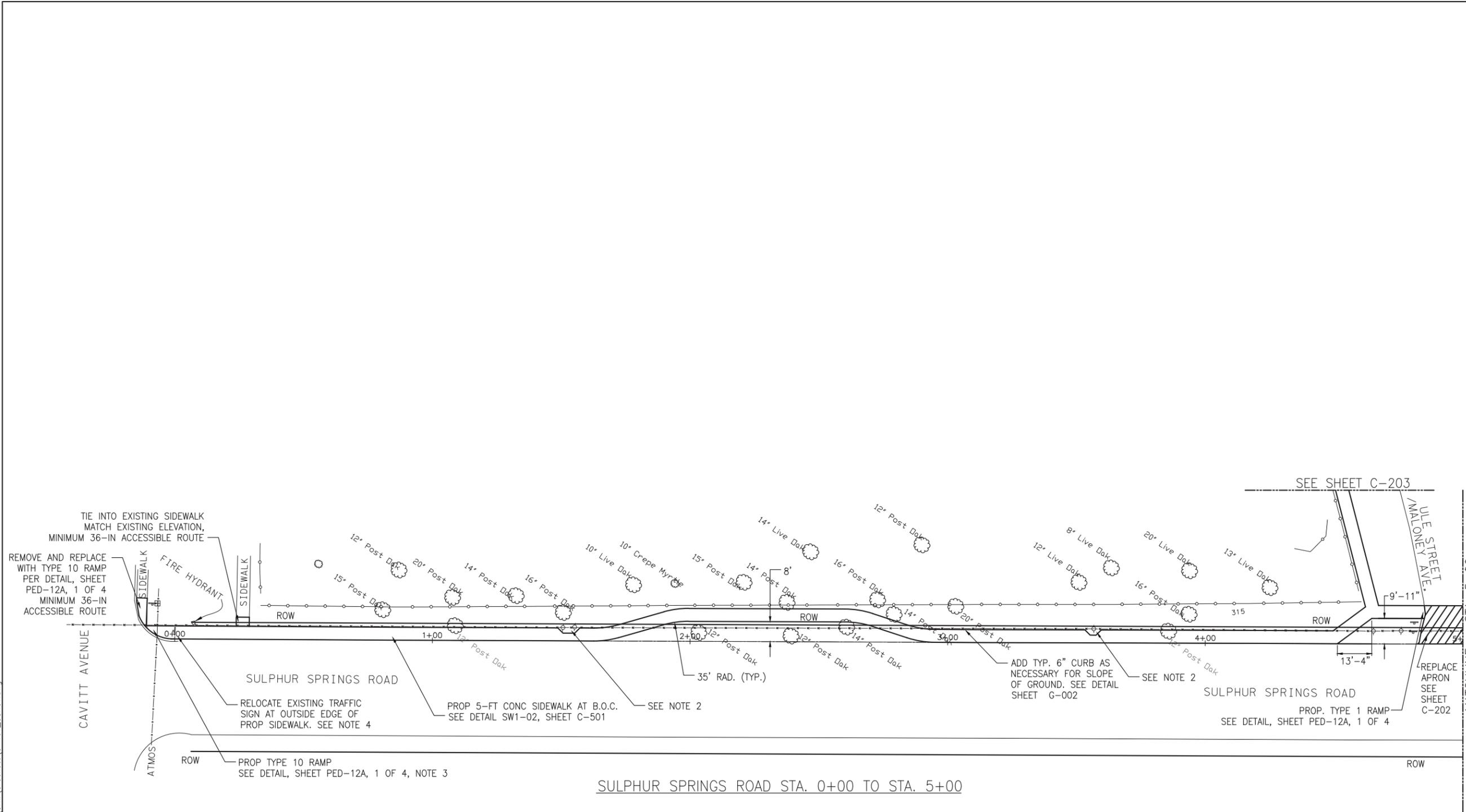
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DRAWN BY: AAE  
DATE: 2012/11/30  
SCALE: AS NOTED  
APPROVED: AAE

SHEET:  
C-106  
SHEET OF

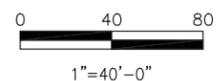
Drawing Name: I:\20-11256-000\4-0-production\4-01-drawings\Civil\Crockett\C-01-SSR01.dwg



SULPHUR SPRINGS ROAD STA. 0+00 TO STA. 5+00

GENERAL NOTES

1. REMOVE CURB AS NECESSARY FOR INSTALLATION OF PROPOSED RAMP AND SIDEWALK AT ALL DRIVEWAY AND ROADWAY CROSSINGS. WHERE REMOVED, PROVIDE CURB RETURN WITH ROLL FACE DIMINISHING AT EDGE OF PROPOSED SIDEWALK.
2. NARROW PROP. SIDEWALK IF/AS NECESSARY TO PROVIDE A MINIMUM 36-IN ACCESSIBLE ROUTE AROUND EXISTING POWER POLE. TEXAS ACCESSIBILITY STANDARD GOVERNS PED-12A.
3. REMOVE EXISTING RAMP AND SIDEWALK AS NECESSARY TO CONSTRUCT TYPE 10 RAMP, FLUSH LANDING, PER DETAIL SHEET PED-12A, 1 OF 4. REGRADE AS NECESSARY TO MAINTAIN POSITIVE DRAINAGE.
4. SEE SHEETS C-204 THROUGH C-207 FOR PROP CROSSWALK AND SIGNAGE IMPROVEMENTS.
5. ROOT GRUB/REMOVAL MAY BE REQUIRED ALONG PROPOSED SIDEWALK ROUTE WHERE TREES/SHRUBS HAVE BEEN REMOVED. NO SEPARATE PAY.



REVISIONS:




**CROCKETT ELEM. SIDEWALKS**  
**SULPHUR SPRINGS ROAD**  
**STA. 0+00 TO STA. 5+00**

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**LAN**  
 PLANNING  
 ENGINEERING  
 PROGRAM MANAGEMENT

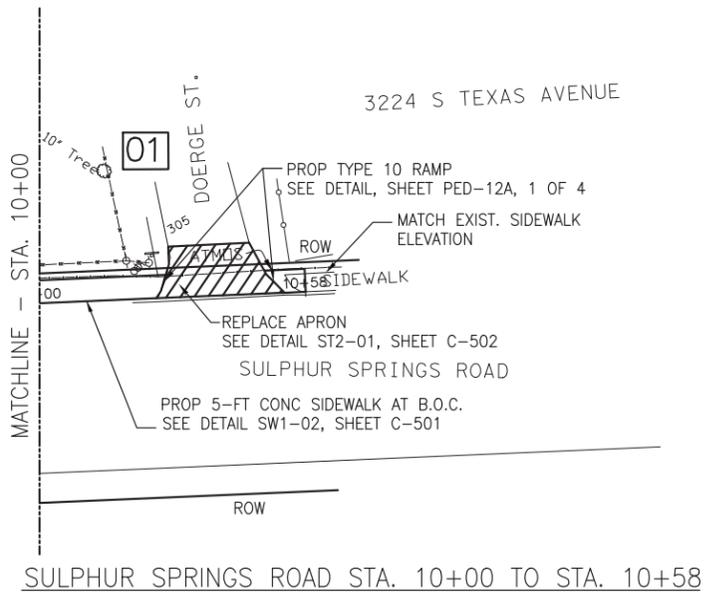
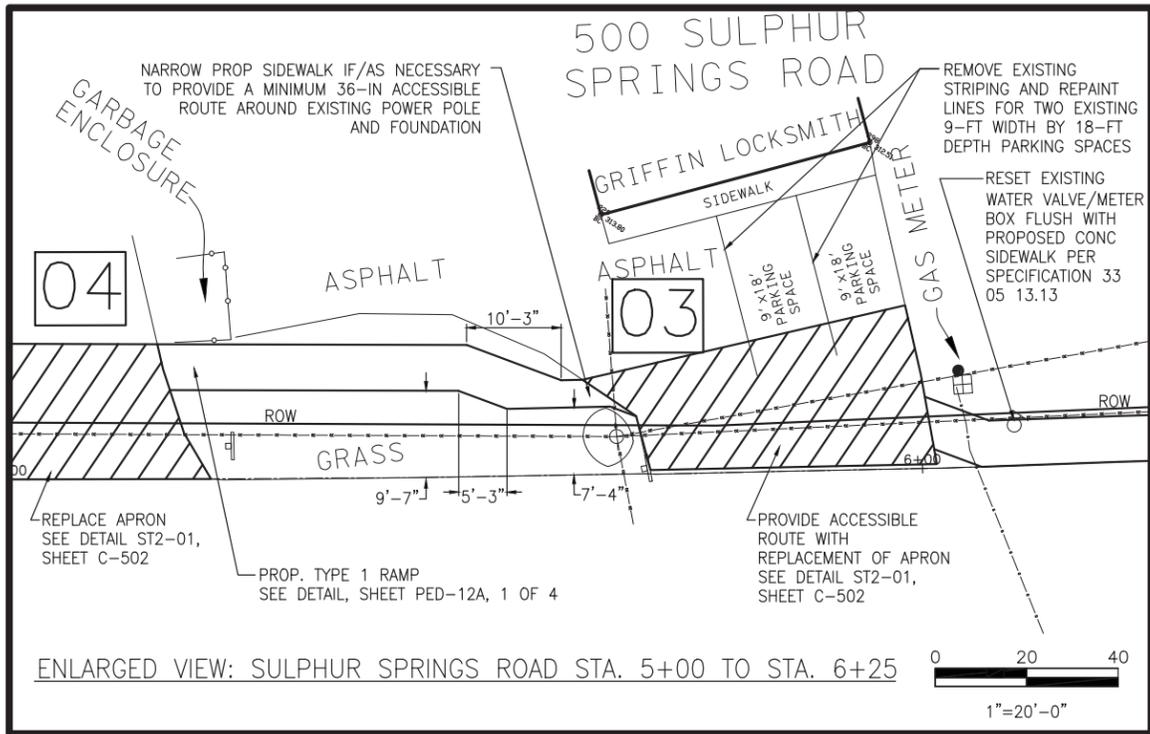
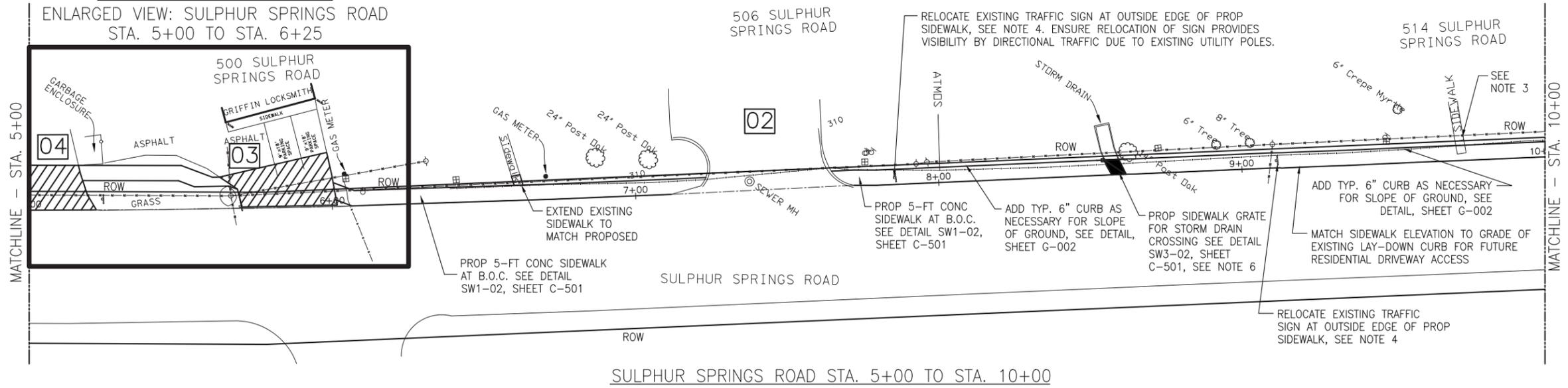
217 Rock Prairie Road  
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 Tel 979.776.1000 Fax 979.693.8678



DRAWN BY: KJL  
 DATE: 2012/11/28  
 SCALE: AS NOTED  
 APPROVED: JCR

SHEET:  
**C-201**

SEE DETAILED NOTES BELOW  
ENLARGED VIEW: SULPHUR SPRINGS ROAD  
STA. 5+00 TO STA. 6+25



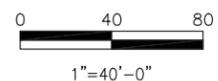
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**GENERAL NOTES**

1. REMOVE CURB AS NECESSARY FOR INSTALLATION OF PROPOSED RAMP AND SIDEWALK AT ALL DRIVEWAY AND ROADWAY CROSSINGS. WHERE REMOVED, PROVIDE CURB RETURN WITH ROLL FACE DIMINISHING AT EDGE OF PROPOSED SIDEWALK.
2. DRIVEWAY TABLE, THIS SHEET, FOR INDEX WITH IDENTIFICATION OF PROPOSED REMOVAL AND REPLACEMENT OF EXISTING DRIVEWAYS TO PROVIDE ACCESSIBLE ROUTE AT SIDEWALK. DRIVEWAYS DESIGNATED HEREON BY NUMBER. SEE SIDEWALK NOTES, SHEET G-001, FOR SPECIFIC DIRECTION BASED ON ACTION NOTED IN TABLE.
3. DEMO EXISTING SIDEWALK AS NECESSARY TO ACCOMMODATE PROP SIDEWALK. REMOVE SUFFICIENT LENGTH (BUT NOT BEYOND RIGHT OF WAY) TO TIE EXISTING INTO PROPOSED AT NO SLOPE GREATER THAN 1:12.
4. SEE SHEETS C-204 THROUGH C-207 FOR PROP CROSSWALK AND SIGNAGE IMPROVEMENTS.
5. ROOT GRUB/REMOVAL MAY BE REQUIRED ALONG PROPOSED SIDEWALK ROUTE WHERE TREES/SHRUBS HAVE BEEN REMOVED. NO SEPARATE PAY.
6. REMOVE AND REPLACE EXISTING DRAIN STRUCTURE ONLY TO LIMITS NECESSARY TO PROVIDE PROPOSED GRATE.

**DRIVEWAY TABLE**

IDENTIFICATION NUMBER	ADDRESS	APPROX LOCATION	WIDTH	DEPTH	SLOPE	COMMENT	ACTION
01	DOERGE STREET	10+39	20.3	06.3	4.1%	Street	REPLACE APRON
02	506 SULPHUR SPRINGS ROAD	7+42	37.2	12.1	4.6%	Driveway	REMOVE & REPLACE
03	500 SULPHUR SPRINGS ROAD	5+87	37.9	11.0	9.3%	Driveway	REMOVE & REPLACE
04	ULE STREET/MALONEY AVENUE	5+05	31.2	14.9	3.4%	Street	REPLACE APRON



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**CROCKETT ELEM. SIDEWALKS**  
**SULPHUR SPRINGS ROAD**  
**STA. 5+00 TO STA. 10+58**

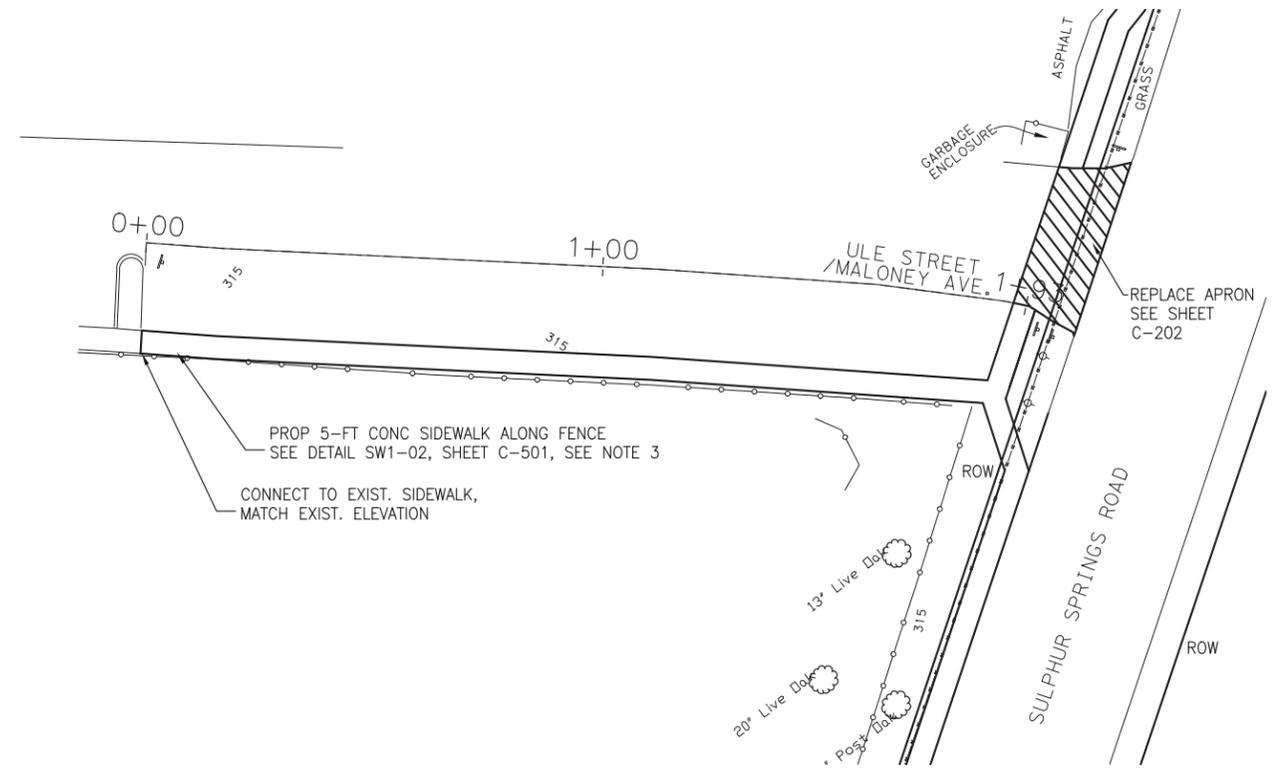
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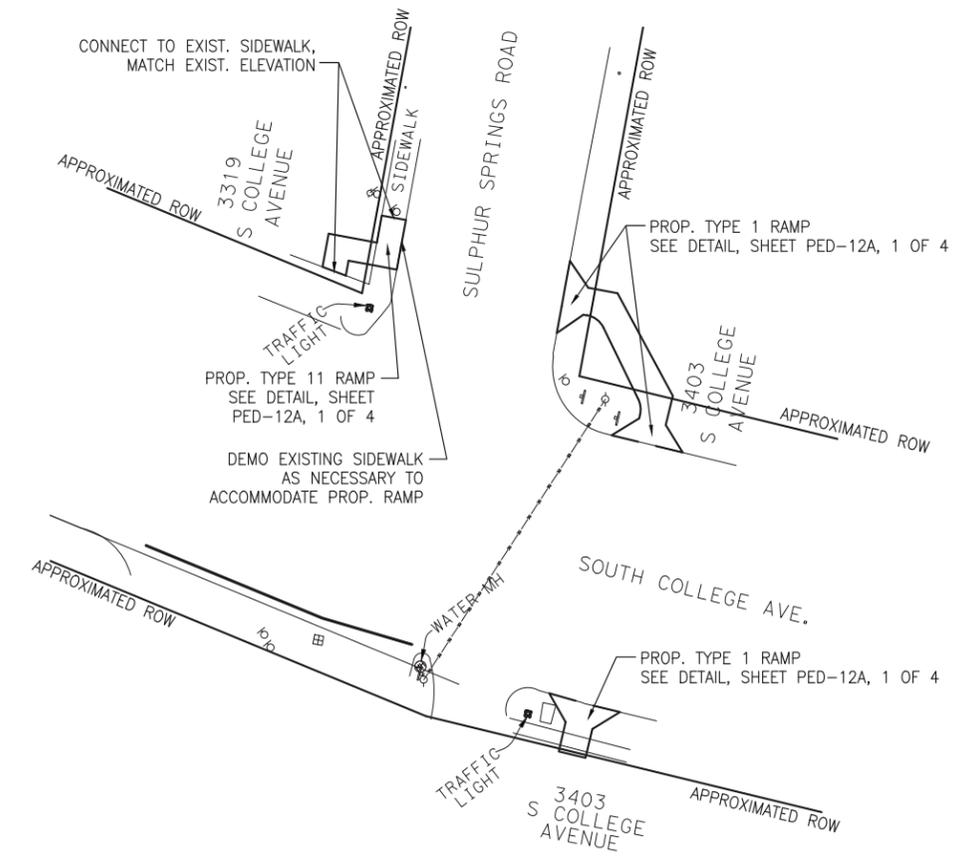
DRAWN BY: KJL  
DATE: 2012/11/28  
SCALE: AS NOTED  
APPROVED: JCR

SHEET:  
**C-202**

Drawing Name: I:\20-11256-000\4-0-production\4-0-drawings\Civil\Crockett\C-101\_USMA01.dwg



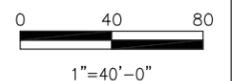
ULE STREET/MALONEY AVENUE STA. 0+00 TO STA. 1+93



SOUTH COLLEGE & SULPHUR SPRINGS INTERSECTION

**GENERAL NOTES**

1. REMOVE CURB AS NECESSARY FOR INSTALLATION OF PROPOSED RAMP AND SIDEWALK AT ALL DRIVEWAY AND ROADWAY CROSSINGS. WHERE REMOVED, PROVIDE CURB RETURN WITH ROLL FACE DIMINISHING AT EDGE OF PROPOSED SIDEWALK.
2. SEE SHEETS C-204 THROUGH C-207 FOR PROP CROSSWALK AND SIGNAGE IMPROVEMENTS.
3. FENCE SHALL NOT BE REMOVED TO ACCOMMODATE CONSTRUCTION WITHOUT PRIOR APPROVAL OF PROPERTY OWNER.
4. ROOT GRUB/REMOVAL MAY BE REQUIRED ALONG PROPOSED SIDEWALK ROUTE WHERE TREES/SHRUBS HAVE BEEN REMOVED. NO SEPARATE PAY.



REVISIONS:


**CROCKETT ELEM. SIDEWALKS**  
**ULE STREET STA. 0+00 TO STA 1+93**  
**SOUTH COLLEGE & SULPHUR SPRINGS**

**IGN**  
 Lockwood, Andrews & Newnam, Inc.  
 A L.L. A. SULLY COMPANY  
 PLANNING  
 ENGINEERING  
 PROGRAM MANAGEMENT  
 217 Rock Prairie Road  
 College Station, Texas 77445  
 Tel 979.776.1000 Fax 979.693.8678

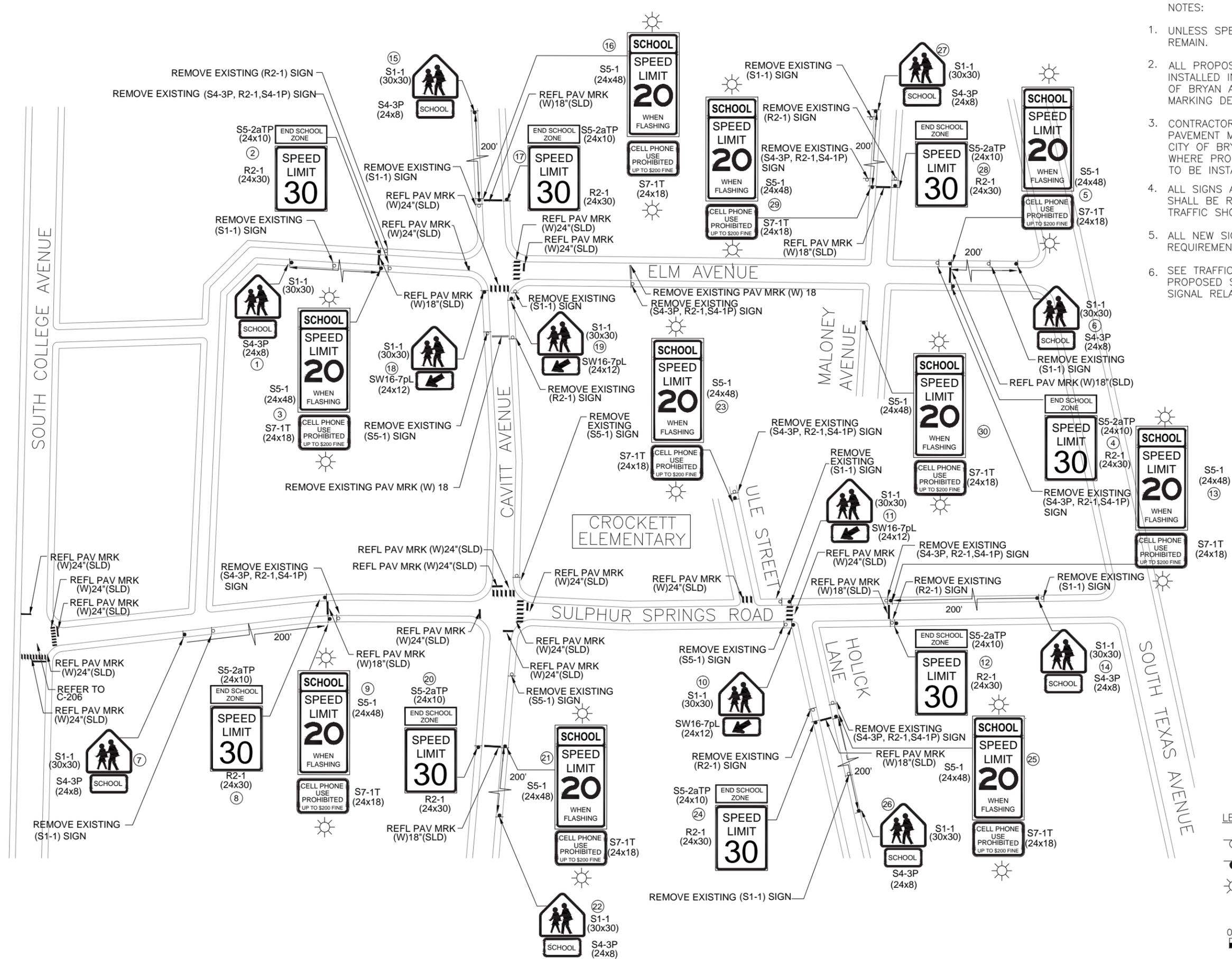


DRAWN BY: KJL  
 DATE: 2012/11/28  
 SCALE: AS NOTED  
 APPROVED: JCR

SHEET:  
**C-203**

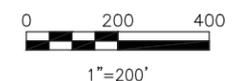
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Date Plotted : Nov 29, 2012 - 7:02pm By: AHELHOUT



- NOTES:
1. UNLESS SPECIFIED, ALL EXISTING SIGNS TO REMAIN.
  2. ALL PROPOSED MARKINGS SHOWN ARE TO BE INSTALLED IN ACCORDANCE WITH THE CITY OF BRYAN AND TXDOT'S STANDARD PAVEMENT MARKING DETAILS AND SPECIFICATIONS.
  3. CONTRACTOR SHALL REMOVE ANY EXISTING PAVEMENT MARKING IN ACCORDANCE WITH CITY OF BRYAN AND TXDOT'S STANDARDS WHERE PROPOSED PAVEMENT MARKINGS ARE TO BE INSTALLED.
  4. ALL SIGNS AND POSTS TO BE REMOVED SHALL BE RETURNED TO THE CITY OF BRYAN TRAFFIC SHOP AS DIRECTED.
  5. ALL NEW SIGNAGE TO MEET TXMUTCD REQUIREMENTS AND SPACING.
  6. SEE TRAFFIC SIGNAL SHEET FOR LAYOUTS OF PROPOSED SIGNAL IMPROVEMENTS AND SIGNAL RELATED SIGNS.

- LEGEND:
- EXISTING SIGN
  - PROPOSED SIGN
  - SOLAR POWERED FLASHING BEACON



REVISIONS:



**CROCKETT ELEM. SIDEWALKS  
SIGNING AND PAVEMENT  
MARKING LAYOUT**

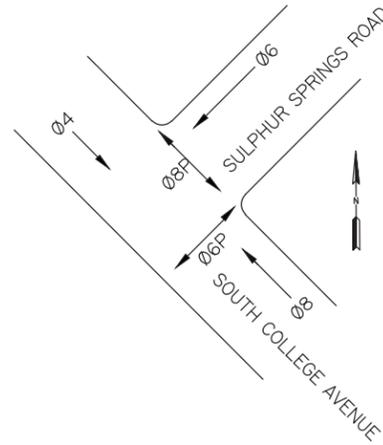
**Lockwood, Andrews & Newnam, Inc.**  
 A L.A.S. A. S.A.F.E. COMPANY  
 PLANNING  
 ENGINEERING  
 PROGRAM/MANAGEMENT  
 217 Rock Prairie Road  
 College Station, Texas 7745  
 Tel 979.776.1000 Fax 979.693.8678



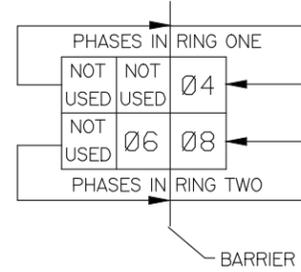
DRAWN BY: AAE  
 DATE: 2012/11/30  
 SCALE: AS NOTED  
 APPROVED: AAE  
 SHEET :  
**C-204**  
 SHEET OF

RUN	LENGTH OF RUN	ELECTRICAL CONDUCTOR ELEC CONDR (NO. 6) BARE	CONDUIT				TRAFFIC SIGNAL CABLE	
			TRENCH		BORE		TRAF SIG CBL (TYC) (2 COND) (14 AWG)	TRAF SIG CBL (TYA) (5 COND) (12 AWG)
			4"	2"	4"	2"		
1	1						4	4
2	8							
3	83						3	3
4	16							
5	18							
6	61							
7	10							

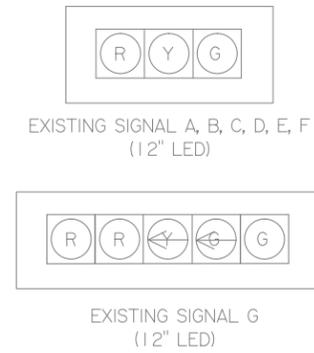
PHASE SEQUENCING



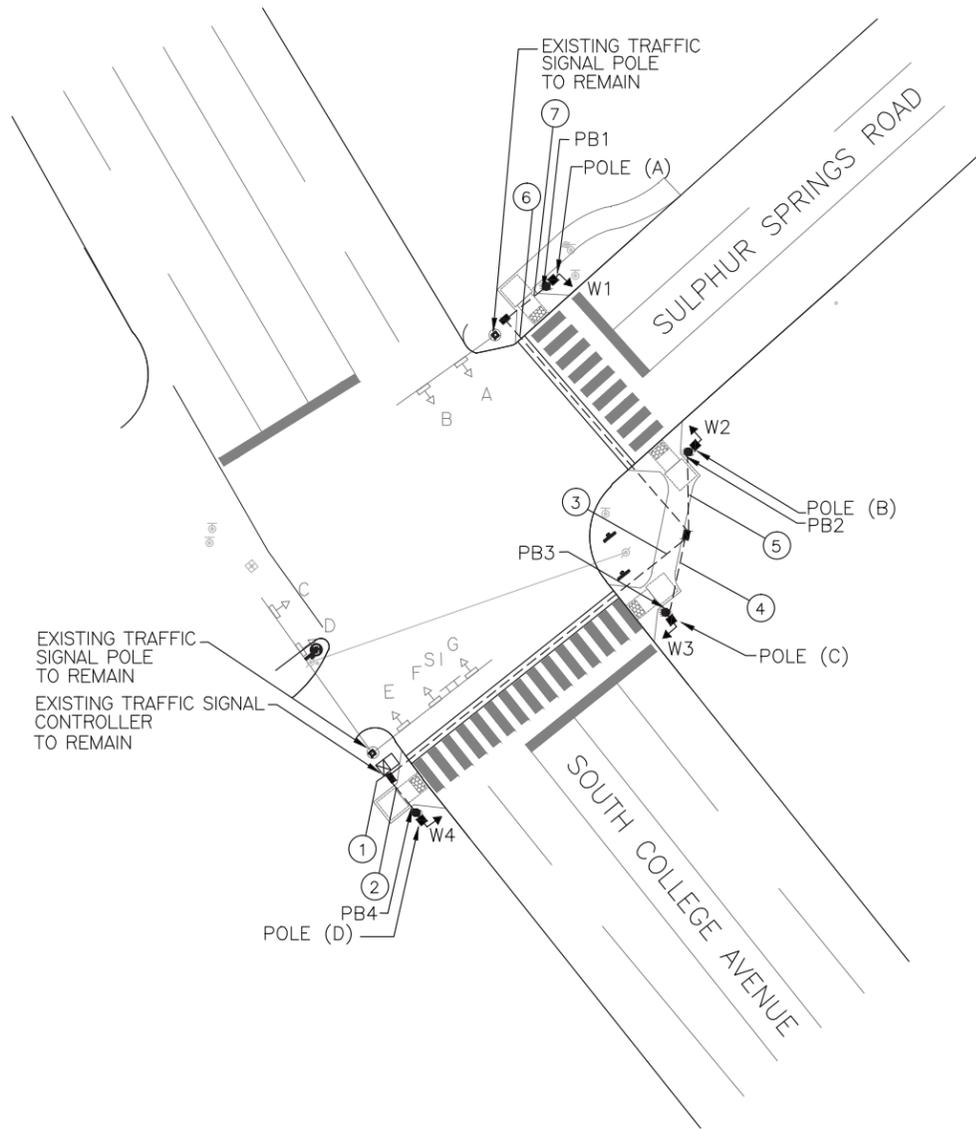
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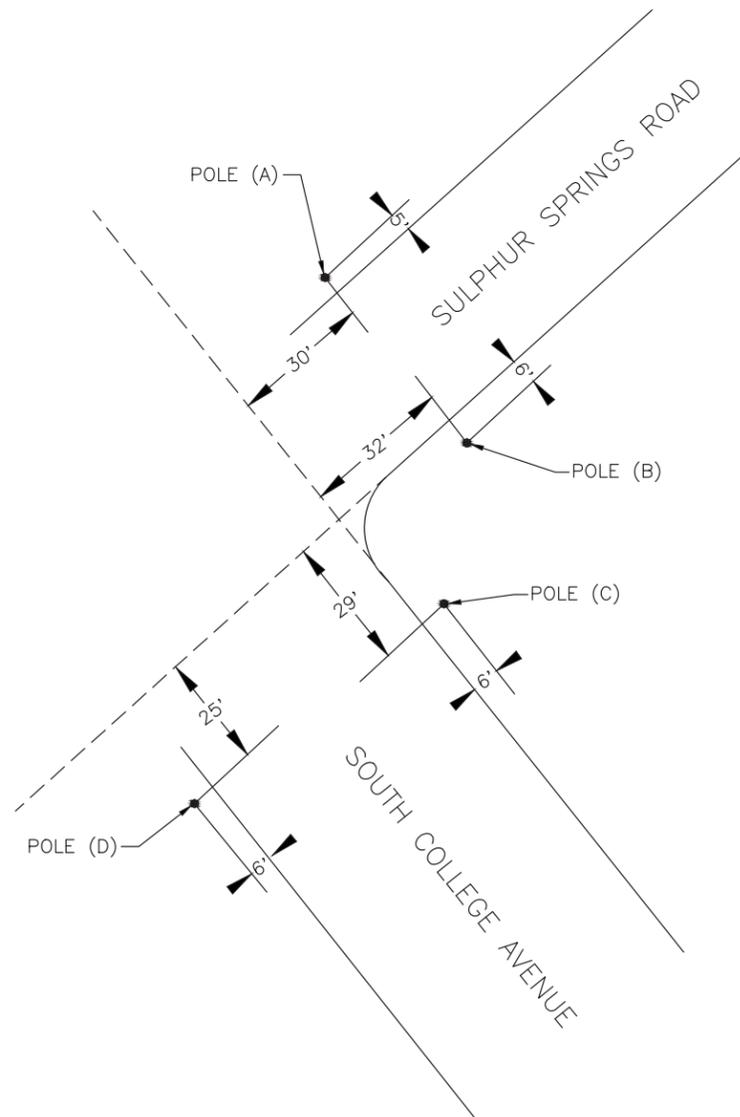
SIGNAL LEGEND



PROPOSED LAYOUT



POLE LOCATION (NTS)



W1, W2, W3, W4



R10-3eL (9x15)

PB2, PB4



R10-3eR (9x15)

PB1, PB3

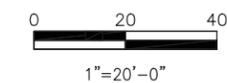
2-WIRE POLARA NAVIGATOR PUSH BUTTON STATIONS

NOTES:

1. THE LOCATION OF UNDERGROUND UTILITIES IS APPROXIMATE.
2. CALL THE "TEXAS ONE CALL" LOCATOR AT 1-800-245-4545, 48 HRS BEFORE BEGINNING ANY EXCAVATION.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING UTILITIES ADJACENT TO WORK AREA.
4. SIGNAL OPERATION SHALL BE MONITORED AFTER CONSTRUCTION AND MODIFIED AS NECESSARY.
5. ALL SIGNAL HEADS SHALL HAVE BACKPLATES.

LEGEND OF PROPOSED SYMBOLS

- EXISTING TRAFFIC SIGNAL CONTROLLER
- EXISTING SIGNAL HEAD
- EXISTING SIGNAL POLE AND MAST ARM
- EXISTING MOUNTED SIGN
- PROPOSED PEDESTAL
- PEDESTRIAN SIGNAL HEAD
- PULL BOX
- RUN LABEL



REVISIONS:



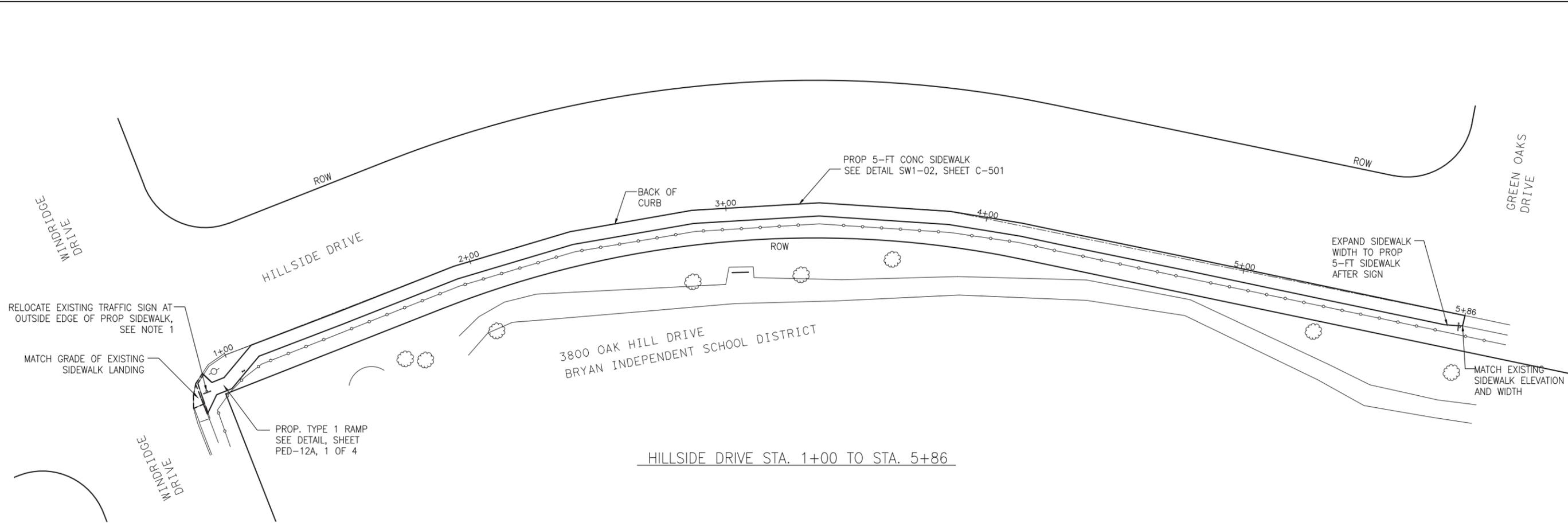
**CROCKETT ELEM. SIDEWALKS  
SULPHUR SPRINGS AT  
S. COLLEGE AVENUE**

**Lockwood, Andrews & Neumann, Inc.**  
A LSA A SALLY COMPANY  
PLANNING  
ENGINEERING  
PROGRAM MANAGEMENT  
217 Rock Prairie Road  
College Station, Texas 77445  
Tel 979.776.1000 Fax 979.693.8678



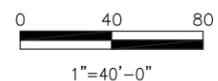
DRAWN BY: AAE  
DATE: 2012/11/30  
SCALE: AS NOTED  
APPROVED: AAE  
SHEET:  
**C-206**  
SHEET OF

Drawing Name: I:\20-11256-000\4-0-production\4-01-drawings\Civil\Johnson C-101\_HSD01.dwg



**GENERAL NOTES**

- 1. SEE SHEETS C-304 THROUGH C-308 FOR PROP CROSSWALK AND SIGNAGE IMPROVEMENTS.



REVISIONS:


Lockwood, Andrews & Newnam, Inc.  
F-2614

**JOHNSON ELEM. SIDEWALKS**  
**HILLSIDE DRIVE**  
**STA. 0+00 TO STA. 5+86**

**Lockwood, Andrews & Newnam, Inc.**  
 A LEE A. SALEY COMPANY

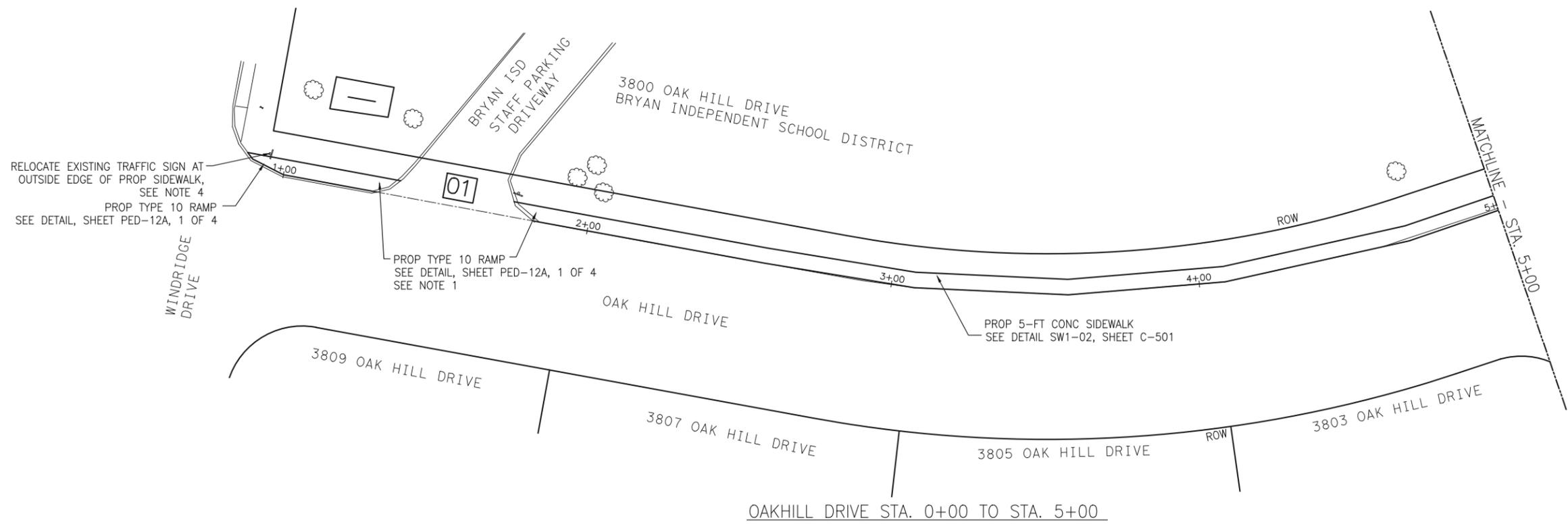
217 Rock Prairie Road  
 College Station, Texas 77445  
 Tel 979.776.1000 Fax 979.693.8678

**CITY OF BRYAN**  
 "The Good Life, Texas Style."

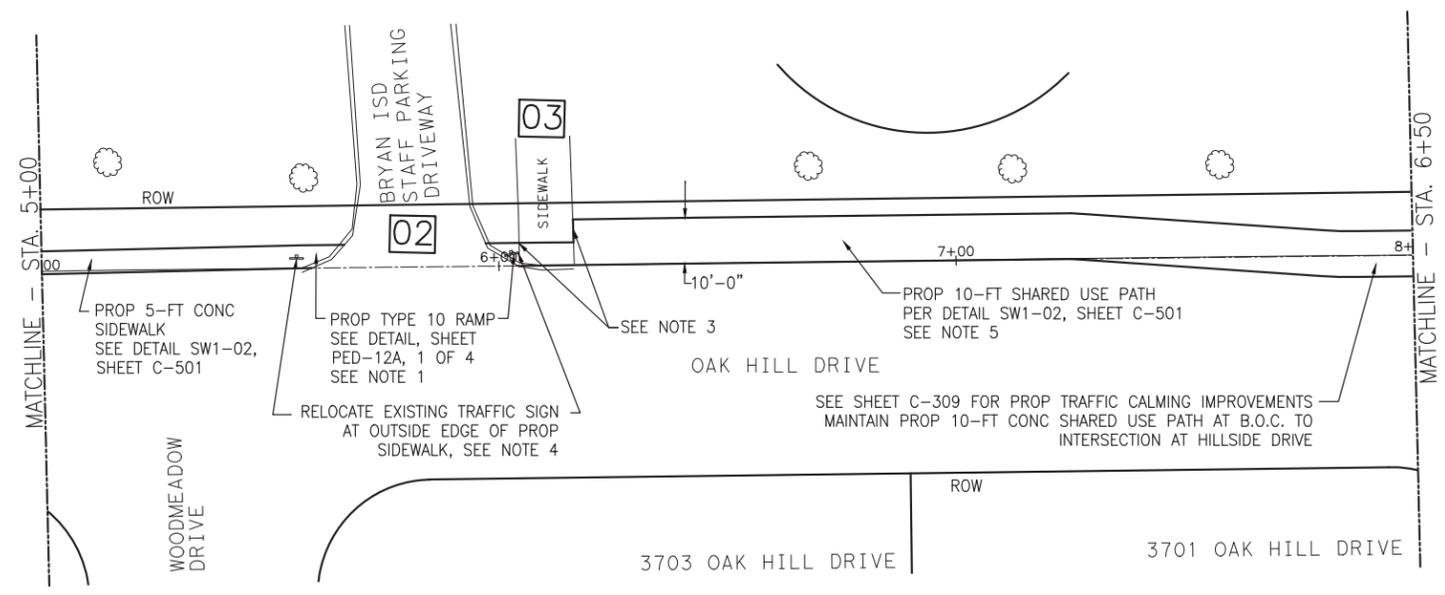
DRAWN BY:	KJL
DATE:	2012/11/28
SCALE:	AS NOTED
APPROVED:	JCR

SHEET:  
**C-301**

Drawing Name: I:\20-11256-000\4-0-production\4-01-drawings\Civil\Johnson\C-101\_OH01.dwg



OAKHILL DRIVE STA. 0+00 TO STA. 5+00



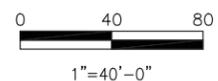
OAKHILL DRIVE STA. 5+00 TO STA. 6+50

**GENERAL NOTES**

1. REMOVE CURB AS NECESSARY FOR INSTALLATION OF PROPOSED RAMP AND SIDEWALK AT ALL DRIVEWAY AND ROADWAY CROSSINGS. WHERE REMOVED, PROVIDE CURB RETURN WITH ROLL FACE DIMINISHING AT EDGE OF PROPOSED SIDEWALK.
2. DRIVEWAY TABLE, THIS SHEET, FOR INDEX WITH IDENTIFICATION OF PROPOSED REMOVAL AND REPLACEMENT OF EXISTING DRIVEWAYS TO PROVIDE ACCESSIBLE ROUTE AT SIDEWALK. DRIVEWAYS DESIGNATED HEREON BY NUMBER. SEE SIDEWALK NOTES, SHEET G-001, FOR SPECIFIC DIRECTION BASED ON ACTION NOTED IN TABLE.
3. DEMO EXISTING SIDEWALK AS NECESSARY TO ACCOMMODATE PROP SIDEWALK, TIE INTO EXISTING SIDEWALK WITH SLOPE PER ACCESSIBILITY STANDARDS WITH LENGTH AS NECESSARY FOR RISE/RUN (MAY REQUIRE TEMPORARY CONSTRUCTION EASEMENT IF PAST ROW).
4. SEE SHEETS C-304 THROUGH C-308 FOR PROP CROSSWALK AND SIGNAGE IMPROVEMENTS.
5. PROVIDE TRANSITION FROM EXISTING SIDEWALK TO PROP 10-FT SHARED USE PATH OVER 200 LINEAR FEET. COMMENCE TRANSITION ALONG OAK HILL DRIVE AND TRANSITION TO RAMP AT INTERSECTION OF OAK HILL DRIVE AND HILLSIDE DRIVE. REGRADE AS NECESSARY OUTSIDE SIDEWALK LIMITS TO MAINTAIN POSITIVE DRAINAGE.
6. ROOT GRUB/REMOVAL MAY BE REQUIRED ALONG PROPOSED SIDEWALK ROUTE WHERE TREES/SHRUBS HAVE BEEN REMOVED. NO SEPARATE PAY.

**DRIVEWAY TABLE**

IDENTIFICATION NUMBER	ADDRESS	APPROX LOCATION	WIDTH	DEPTH	SLOPE	COMMENT	ACTION
01	3800 OAK HILL DRIVE	1+50	30.3	12.8	4.9%	Bryan ISD Driveway	REMOVE & REPLACE
02	3800 OAK HILL DRIVE	5+80	25.3	13.0	4.2%	Bryan ISD Driveway	REMOVE & REPLACE
03	3800 OAK HILL DRIVE	6+10	11.9	13.0	9.3%	Sidewalk	REMOVE & REPLACE



REVISIONS:


**JOHNSON ELEM. SIDEWALKS  
OAK HILL DRIVE  
STA. 0+00 TO STA. 6+50**

217 Rock Prairie Road  
College Station, Texas 77445  
Tel 979.776.1000 Fax 979.693.8678

**CITY OF BRYAN**  
The Good Life, Texas Style.

DRAWN BY: KJL  
DATE: 2012/11/28  
SCALE: AS NOTED  
APPROVED: JCR

SHEET:  
**C-302**

Drawing Name: I:\20-11256-000\4-0-production\4-01-drawings\Civil\Johnson C-102\_04D02.dwg

REVISIONS:


**JOHNSON ELEM. SIDEWALKS**  
**OAK HILL DRIVE**  
**STA. 6+50 TO STA. 16+97**

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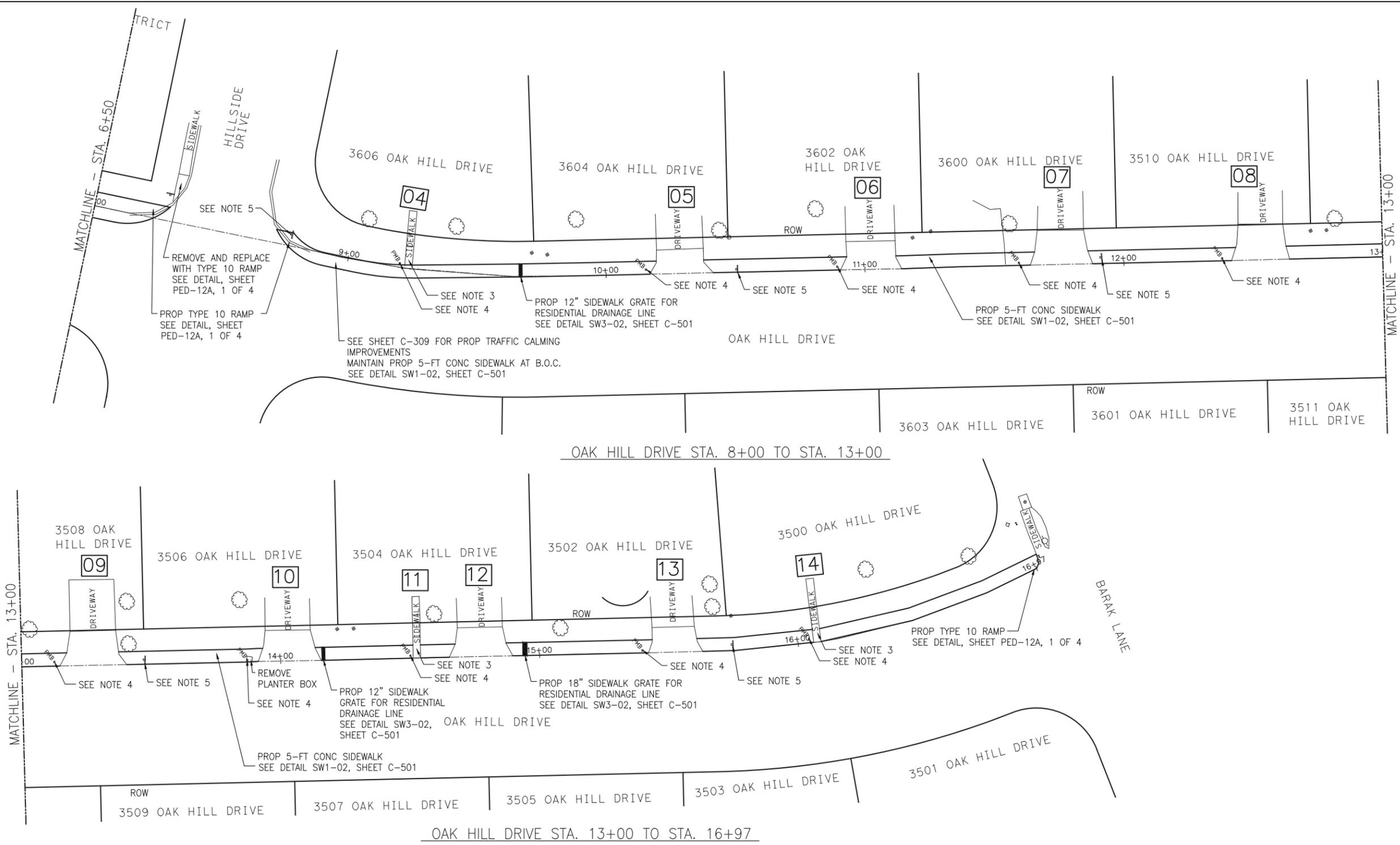
PLANNING  
 ENGINEERING  
 PROGRAM MANAGEMENT

217 Rock Prairie Road  
 College Station, Texas 77445  
 Tel 979.776.1000 Fax 979.693.8678

**CITY OF BRYAN**  
 The Good Life, Texas Style.

DRAWN BY: KJL  
 DATE: 2012/11/28  
 SCALE: AS NOTED  
 APPROVED: JCR

SHEET:  
**C-303**

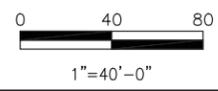


**GENERAL NOTES**

1. REMOVE CURB AS NECESSARY FOR INSTALLATION OF PROPOSED RAMP AND SIDEWALK AT ALL DRIVEWAY AND ROADWAY CROSSINGS. WHERE REMOVED, PROVIDE CURB RETURN WITH ROLL FACE DIMINISHING AT EDGE OF PROPOSED SIDEWALK.
2. SEE DRIVEWAY TABLE, THIS SHEET, FOR INDEX WITH IDENTIFICATION OF PROPOSED REMOVAL AND REPLACEMENT OF EXISTING DRIVEWAYS TO PROVIDE ACCESSIBLE ROUTE AT SIDEWALK. DRIVEWAYS DESIGNATED HEREON BY NUMBER. SEE SIDEWALK NOTES, SHEET G-002, FOR SPECIFIC DIRECTION BASED ON ACTION NOTED IN THE TABLE.
3. DEMO EXISTING SIDEWALK AS NECESSARY TO ACCOMMODATE PROP SIDEWALK. REMOVE SUFFICIENT LENGTH (BUT NOT BEYOND RIGHT OF WAY) TO TIE EXISTING INTO PROPOSED AT NO SLOPE GREATER THAN 1:12.
4. RELOCATE EXISTING POST MAILBOX (PMB) PER SEE DETAIL, SHEET G-002.
5. SEE SHEETS C-304 THROUGH C-308 FOR PROP CROSSWALK AND SIGNAGE IMPROVEMENTS.
6. ROOT GRUB/REMOVAL MAY BE REQUIRED ALONG PROPOSED SIDEWALK ROUTE WHERE TREES/SHRUBS HAVE BEEN REMOVED. NO SEPARATE PAY.

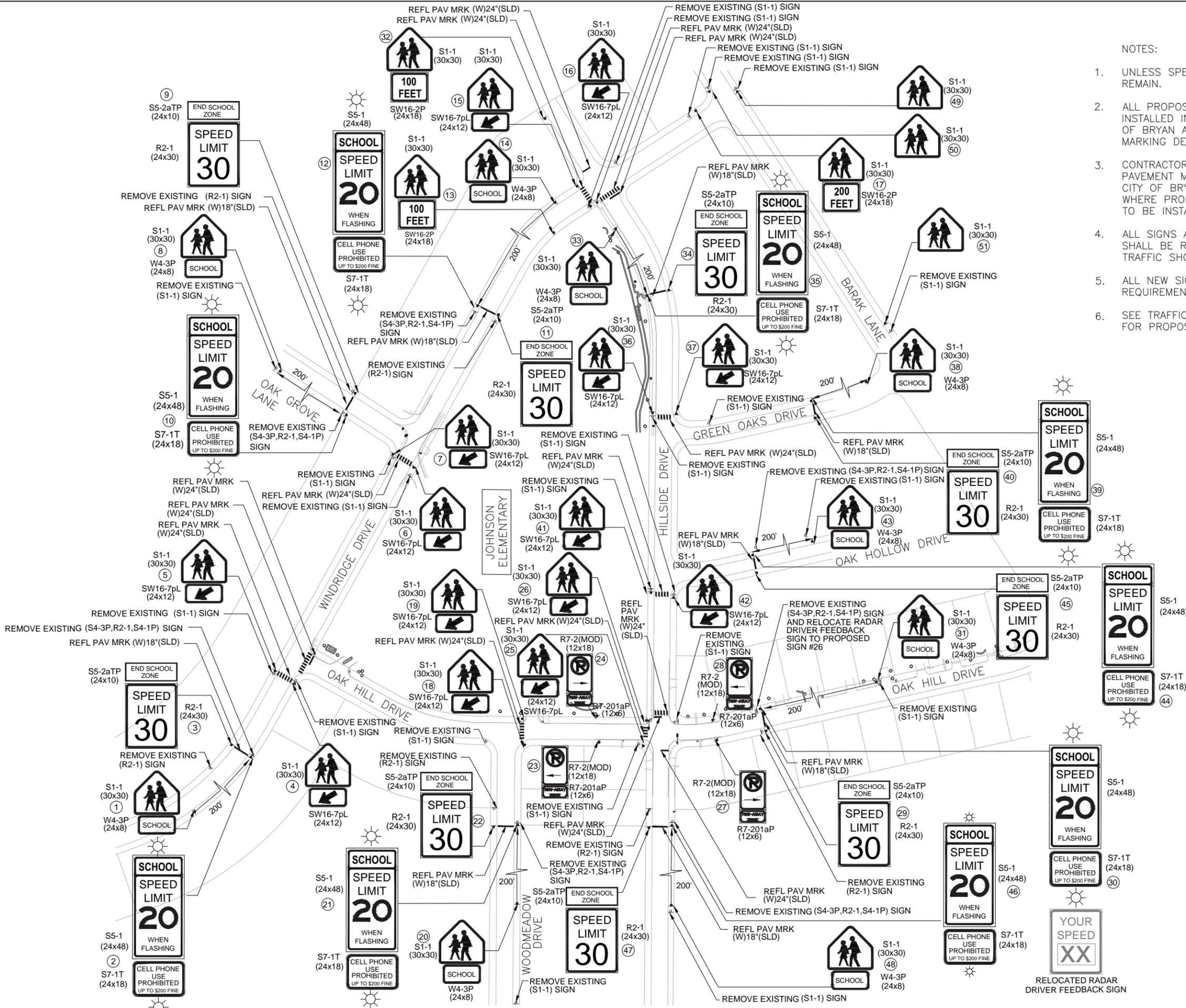
**DRIVEWAY TABLE**

DRIVEWAY NO.	DRIVEWAY NAME	DRIVEWAY TYPE	PROPOSED ACTION	REMARKS
04	3606 OAK HILL DRIVE	DRIVEWAY	REPLACE	
05	3604 OAK HILL DRIVE	DRIVEWAY	REPLACE	
06	3602 OAK HILL DRIVE	DRIVEWAY	REPLACE	
07	3600 OAK HILL DRIVE	DRIVEWAY	REPLACE	
08	3510 OAK HILL DRIVE	DRIVEWAY	REPLACE	
09	3508 OAK HILL DRIVE	DRIVEWAY	REPLACE	
10	3506 OAK HILL DRIVE	DRIVEWAY	REPLACE	
11	3504 OAK HILL DRIVE	DRIVEWAY	REPLACE	
12	3502 OAK HILL DRIVE	DRIVEWAY	REPLACE	
13	3500 OAK HILL DRIVE	DRIVEWAY	REPLACE	
14	3501 OAK HILL DRIVE	DRIVEWAY	REPLACE	



Drawing Name: L:\20-11256-000\4-0-Production\Traffic\COB\_SRTS\_90%\_JOHNSON\_TRAFFIC\_DESIGN.dwg

Date Plotted : Nov 29, 2012 - 7:05pm By: AHELHOUT



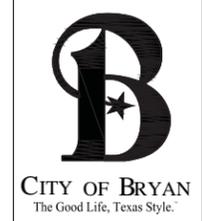
- NOTES:
1. UNLESS SPECIFIED, ALL EXISTING SIGNS TO REMAIN.
  2. ALL PROPOSED MARKINGS SHOWN ARE TO BE INSTALLED IN ACCORDANCE WITH THE CITY OF BRYAN AND TXDOT'S STANDARD PAVEMENT MARKING DETAILS AND SPECIFICATIONS.
  3. CONTRACTOR SHALL REMOVE ANY EXISTING PAVEMENT MARKING IN ACCORDANCE WITH CITY OF BRYAN AND TXDOT'S STANDARDS WHERE PROPOSED PAVEMENT MARKINGS ARE TO BE INSTALLED.
  4. ALL SIGNS AND POSTS TO BE REMOVED SHALL BE RETURNED TO THE CITY OF BRYAN TRAFFIC SHOP AS DIRECTED.
  5. ALL NEW SIGNAGE TO MEET TXMUTCD REQUIREMENTS AND SPACING.
  6. SEE TRAFFIC ILLUMINATION SHEET LAYOUT FOR PROPOSED ILLUMINATION IMPROVEMENTS.

REVISIONS:

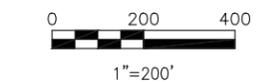


**JOHNSON ELEM. SIDEWALKS  
SIGNING AND PAVEMENT  
MARKING LAYOUT**

**Lockwood, Andrews & Newnam, Inc.**  
A LEE A SUTLEY COMPANY  
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217 Rock Prairie Road  
College Station, Texas 7745  
Tel 979.776.1000 Fax 979.693.8678



- LEGEND:
- EXISTING SIGN
  - PROPOSED SIGN
  - ☀ SOLAR POWERED FLASHING BEACON

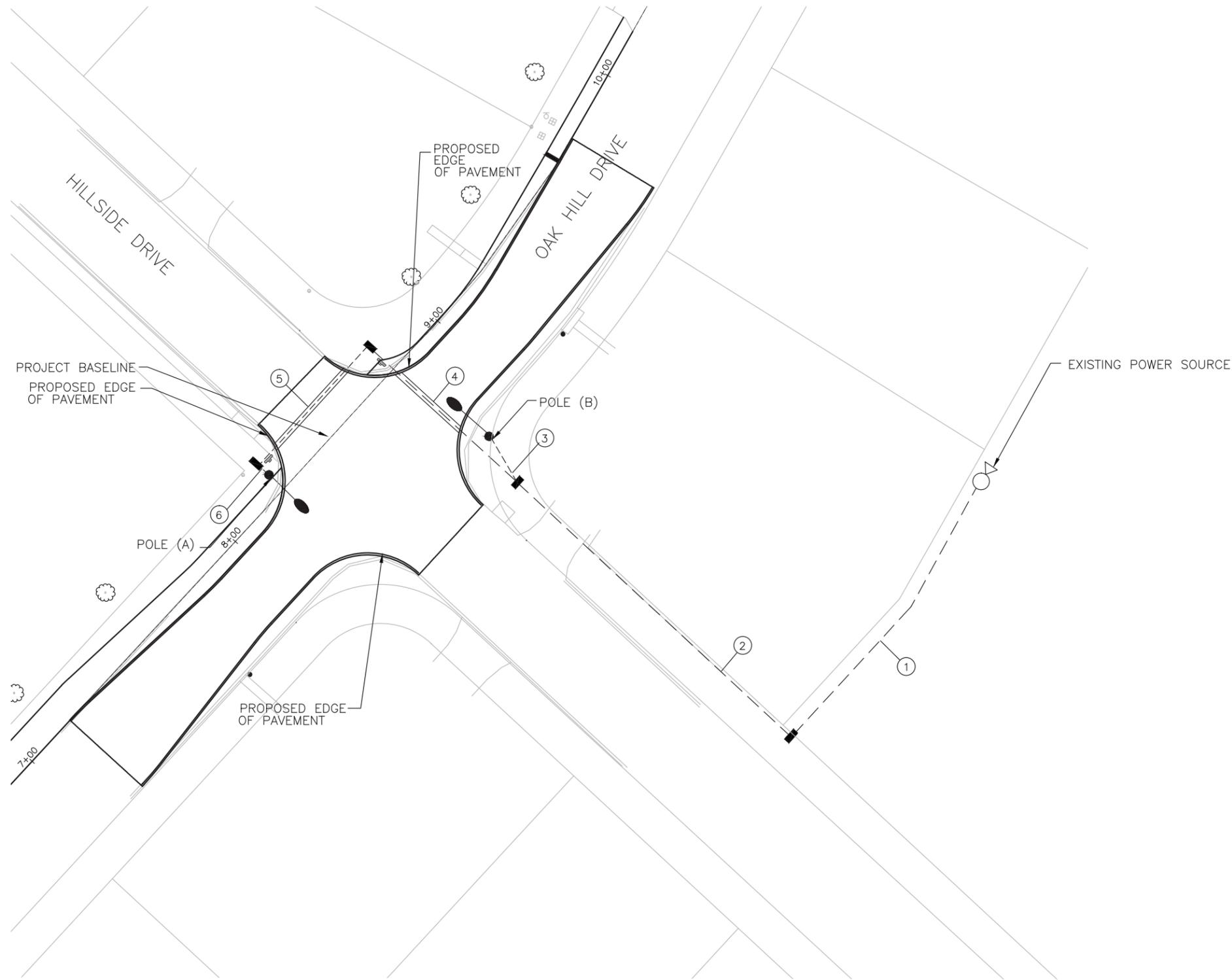


DRAWN BY: AAE  
DATE: 2012/11/30  
SCALE: AS NOTED  
APPROVED: AAE  
SHEET :  
**C-304**  
SHEET OF

Drawing Name: L:\120-11256-000\4-0-Production\Traffic\COB\_SRTS\_90\4-01-Drawings\Traffic\4-01-Drawings\Traffic\COB\_SRTS\_90\JOHNSON\_TRAFFIC\_DESIGN.dwg

Date Plotted : Nov 29, 2012 - 7:08pm By: AHELHOUT

PROPOSED ILLUMINATION LAYOUT



ELECTRIC CHART

RUN	LENGTH OF RUN	CONDUIT		ILLUMINATION
		TRENCH	BORE	3 XHHW 1C #8
		PVC SCHEDULE 40 2"	2"	
1	106	1		1
2	123	1		1
3	17	1		2
4	64		1	1
5	56		1	1
6	8	1		1

POLES LOCATIONS

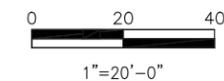
POLE	STATION	OFFSET
POLE A	8+83.2	6.83 LT
POLE B	8+24.0	38.8 RT

NOTES:

- CALL THE "TEXAS ONE CALL" LOCATOR AT 1-800-245-4545, 48 HRS BEFORE BEGINNING ANY EXCAVATION.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING UTILITIES ADJACENT TO WORK AREA.

LEGEND OF PROPOSED SYMBOLS

- EXISTING POLE
- PROPOSED ILLUMINATION POLE
- PROPOSED LUMINARIE
- PULL BOX
- Ⓝ RUN LABEL
- ⊗ EXISTING METER AND DISCONNECT



REVISIONS:



**JOHNSON ELEM. SIDEWALKS  
HILLSIDE AT OAKHILL  
PROPOSED LAYOUT**

**Lockwood, Andrews & Newnam, Inc.**  
A LEE A SUTLEY COMPANY

ENGINEERING  
PROGRAM MANAGEMENT

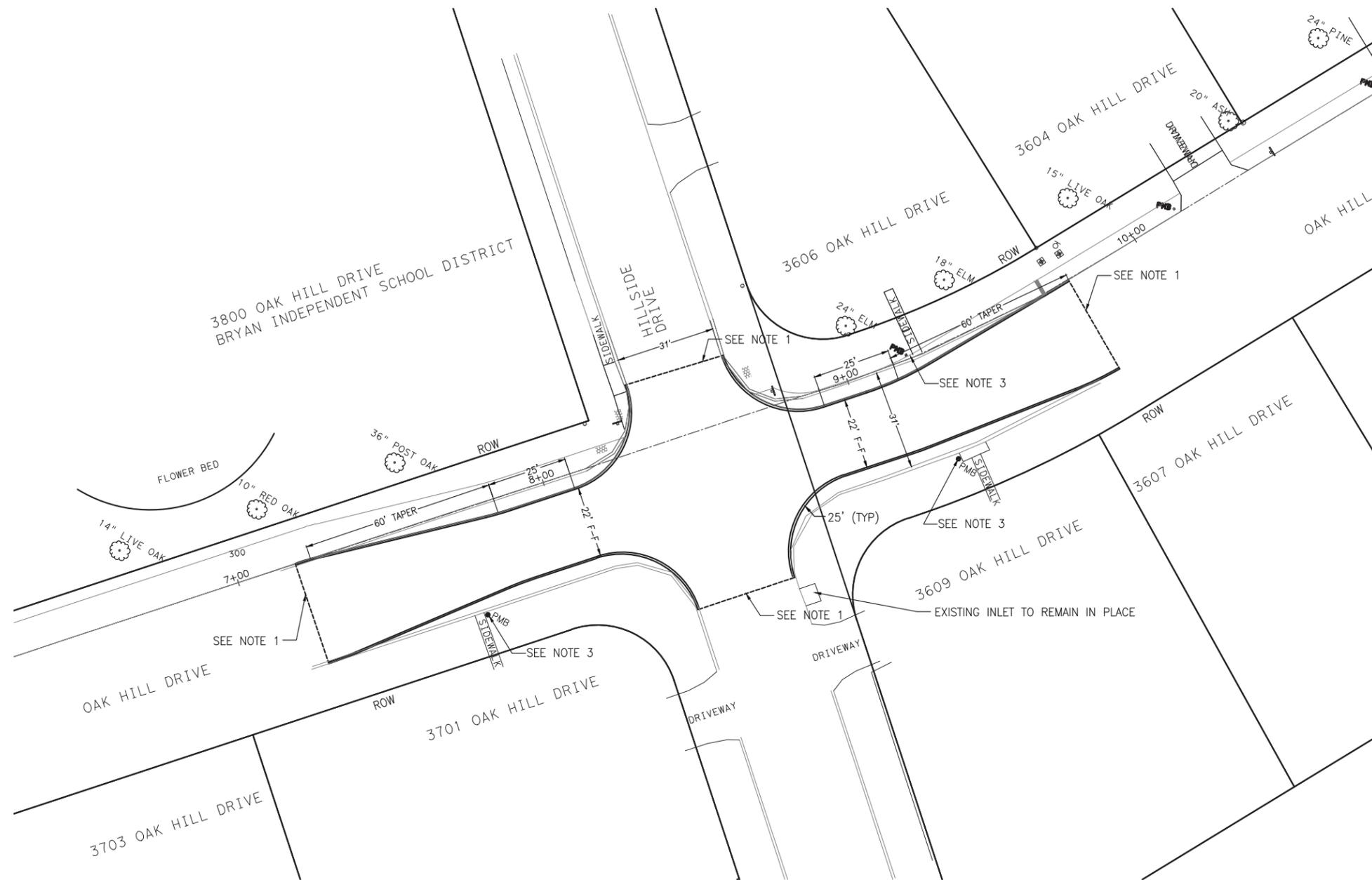
217 Rock Prairie Road  
College Station, Texas 7745  
Tel 979.776.1000 Fax 979.693.8678



DRAWN BY: AAE  
DATE: 2012/11/30  
SCALE: AS NOTED  
APPROVED: AAE

SHEET:  
**C-307**  
SHEET OF

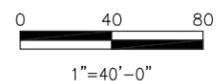
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Date Plotted : Nov 28, 2012 - 6:40pm By: KJLEBLANC



OAKHILL DRIVE AND HILLSIDE DRIVE INTERSECTION

NOTES

1. SAWCUT EXISTING CONCRETE CURB AND PAVEMENT, REMOVE EXISTING PAVEMENT AS NECESSARY TO RECONSTRUCT OAK HILL DRIVE/HILLSIDE DRIVE INTERSECTION.
2. NARROW PAVEMENT SECTION OF OAK HILL DRIVE TO 22' FACE OF CURB TO FACE OF CURB. PROVIDE TAPER OF 60 LINEAR FEET BETWEEN EXISTING AND PROPOSED SECTION AND A MINIMUM OF 25 LINEAR FEET OF NARROWED SECTION PRIOR TO END RETURN OF PROPOSED CONCRETE CURB.
3. FOR NARROWED PAVEMENT SECTION, MATCH EXISTING PAVEMENT TYPE, LINE, ELEVATION, AND GRADE. TIE IN TO EXISTING PAVEMENT PER DETAIL ST4-04, SHEET C-502. RESTORE DISTURBED AREAS WITH SOLID SOD PER SPECIFICATION 32 92 23 AND CONSTRUCT PROP SIDEWALK/SHARED USE PATH PER SHEET C-302 AND C-303. REMOVE AND REPLACE POST MAILBOXES AFFECTED BY IMPROVEMENTS PER DETAIL, SHEET G-002.
4. SEE SHEET C-304 THROUGH C-308 FOR PROPOSED ADJUSTMENTS TO ROADWAY SIGNAGE.
5. MATCH EXISTING STRIPING THROUGH PROPOSED INTERSECTION IMPROVEMENTS WHERE APPLICABLE.



REVISIONS:


**JOHNSON ELEM. SIDEWALKS  
TRAFFIC CALMING AT  
OAK HILL & HILLSIDE**

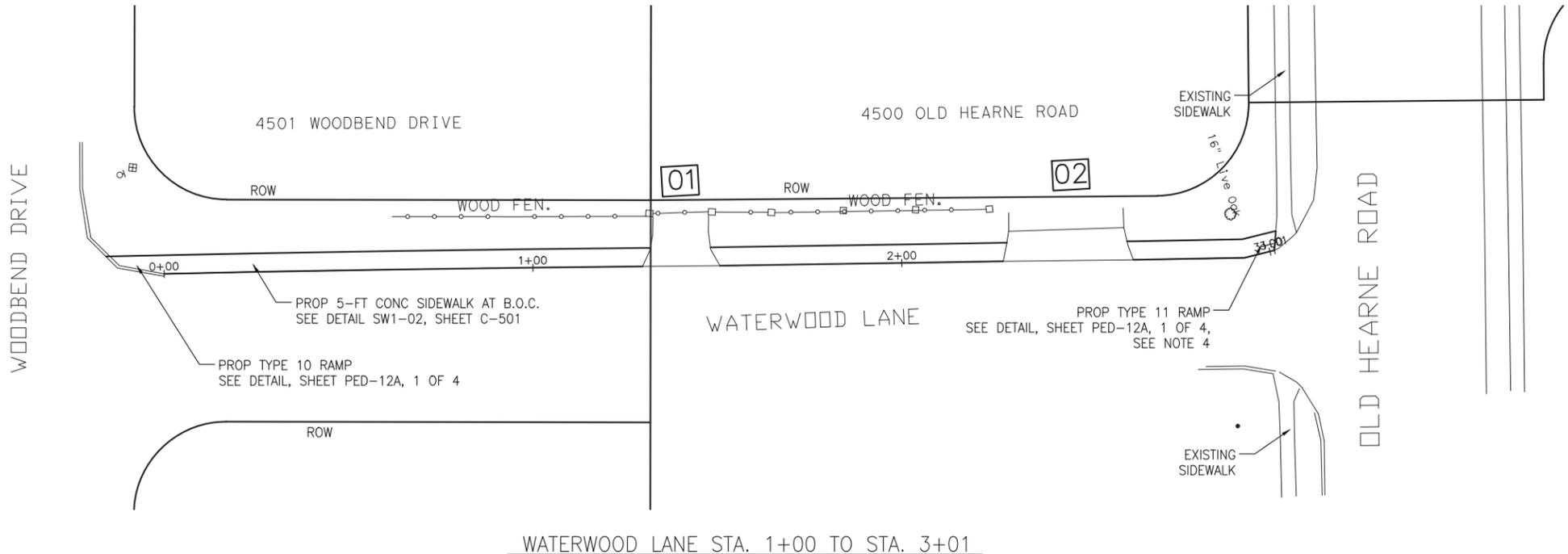
**Lockwood, Andrews & Newnam, Inc.**  
A L.A.A. SALLY COMPANY  
217 Rock Prairie Road  
College Station, Texas 77445  
Tel 979.776.1000 Fax 979.693.8678

**CITY OF BRYAN**  
The Good Life, Texas Style.

DRAWN BY: KJL  
DATE: 2012/11/28  
SCALE: AS NOTED  
APPROVED: JCR

SHEET:  
**C-309**

Drawing Name: I:\20-11256-000\4-0-production\4-01-drawings\Civil\Navarro\C-101\_WWL01.dwg



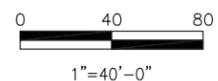
WATERWOOD LANE STA. 1+00 TO STA. 3+01

**GENERAL NOTES**

1. REMOVE CURB AS NECESSARY FOR INSTALLATION OF PROPOSED RAMP AND SIDEWALK AT ALL DRIVEWAY AND ROADWAY CROSSINGS. WHERE REMOVED, PROVIDE CURB RETURN WITH ROLL FACE DIMINISHING AT EDGE OF PROPOSED SIDEWALK.
2. SEE DRIVEWAY TABLE, THIS SHEET, FOR INDEX WITH IDENTIFICATION OF PROPOSED REMOVAL AND REPLACEMENT OF EXISTING DRIVEWAYS TO PROVIDE ACCESSIBLE ROUTE AT SIDEWALK. DRIVEWAYS DESIGNATED HEREON BY NUMBER. SEE SIDEWALK NOTES, SHEET G-001, FOR SPECIFIC DIRECTION BASED ON ACTION NOTED IN THE TABLE.
3. SEE SHEETS C-406 THROUGH C-409 FOR PROP CROSSWALK AND SIGNAGE IMPROVEMENTS.
4. REMOVE EXISTING RAMP AND SIDEWALK AS NECESSARY TO CONSTRUCT TYPE 11 RAMP, FLUSH LANDING, PER DETAIL. REGRADE AS NECESSARY TO MAINTAIN POSITIVE DRAINAGE.
5. ROOT GRUB/REMOVAL MAY BE REQUIRED ALONG PROPOSED SIDEWALK ROUTE WHERE TREES/SHRUBS HAVE BEEN REMOVED. NO SEPARATE PAY.

**DRIVEWAY TABLE**

IDENTIFICATION NUMBER	ADDRESS	APPROX LOCATION	WIDTH	DEPTH	SLOPE	COMMENT	ACTION
01	4501 WOODBEND DRIVE	1+40	15.0	13.5	2.2%	Driveway	REMOVE & REPLACE
02	4500 OLD HEARNE ROAD	2+45	31.1	13.6	9.5%	Driveway	REMOVE & REPLACE



REVISIONS:


**NAVARRO ELEM. SIDEWALKS  
WATERWOOD LANE  
STA. 0+00 TO STA. 3+01**

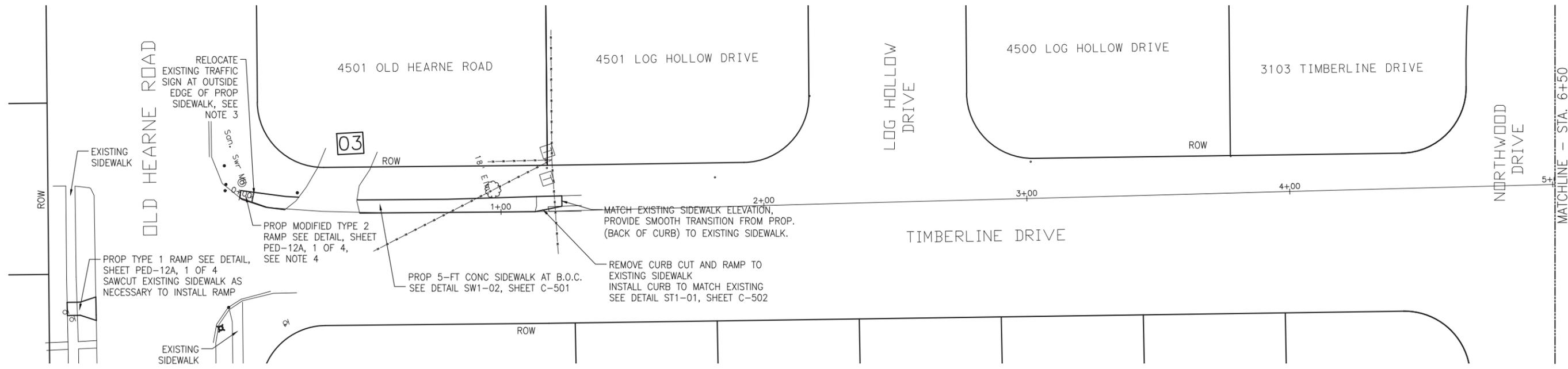
217 Rock Prairie Road  
College Station, Texas 7745  
Tel 979.776.1000 Fax 979.693.8678

**CITY OF BRYAN**  
The Good Life, Texas Style.

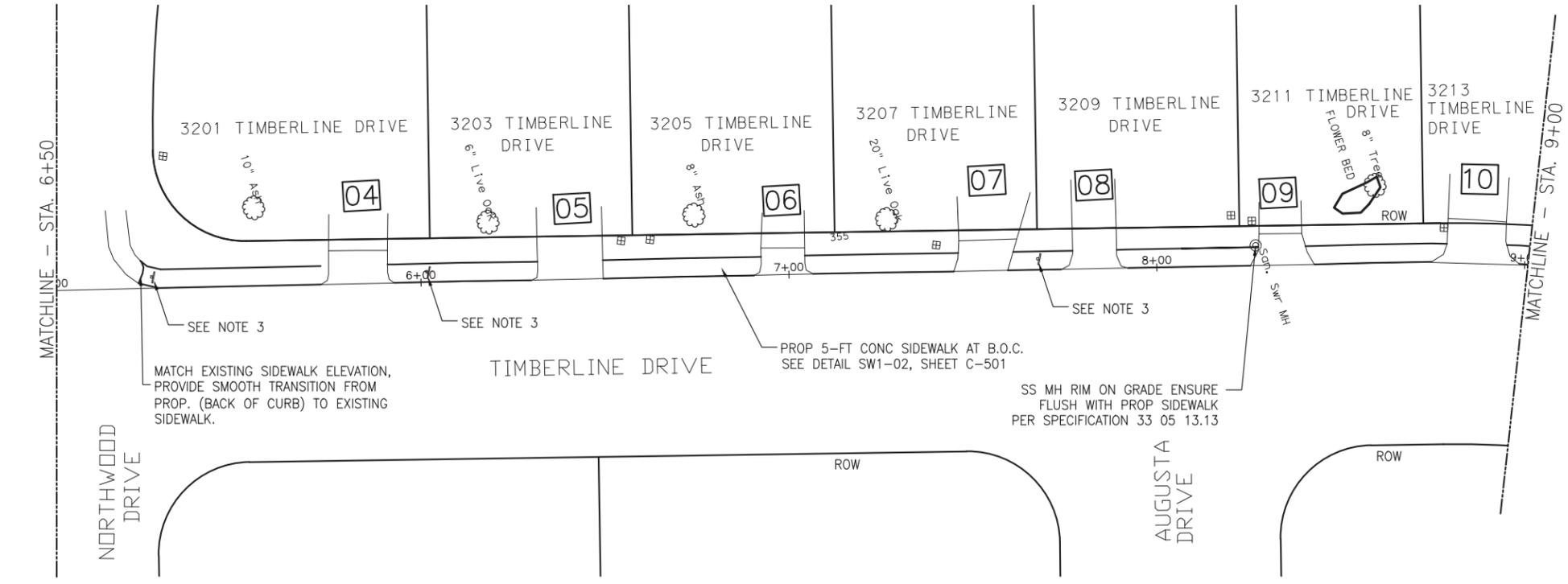
DRAWN BY: KJL  
DATE: 2012/12/03  
SCALE: AS NOTED  
APPROVED: JCR

SHEET:  
**C-401**

Drawing Name: I:\20-11256-000\4-0-production\4-01-drawings\Civil\Navarro\C-102\_TL.D01.dwg



TIMBERLINE DRIVE STA. 0+00 TO STA. 5+00



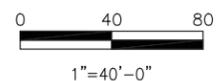
TIMBERLINE DRIVE STA. 6+50 TO STA. 9+00

**GENERAL NOTES**

- REMOVE CURB AS NECESSARY FOR INSTALLATION OF PROPOSED RAMP AND SIDEWALK AT ALL DRIVEWAY AND ROADWAY CROSSINGS. WHERE REMOVED, PROVIDE CURB RETURN WITH ROLL FACE DIMINISHING AT EDGE OF PROPOSED SIDEWALK.
- SEE DRIVEWAY TABLE, THIS SHEET, FOR INDEX WITH IDENTIFICATION OF PROPOSED REMOVAL AND REPLACEMENT OF EXISTING DRIVEWAYS TO PROVIDE ACCESSIBLE ROUTE AT SIDEWALK. DRIVEWAY DESIGNATED HEREON BY NUMBER. SEE SIDEWALK NOTES, SHEET G-001, FOR SPECIFIC DIRECTION BASED ON ACTION NOTED IN THE TABLE.
- RELOCATE EXISTING TRAFFIC SIGN AT OUTSIDE EDGE OF PROP SIDEWALK. SEE SHEETS C-406 THROUGH C-409 FOR PROP CROSSWALK AND SIGNAGE IMPROVEMENTS.
- MODIFIED TYPE 2 RAMP PER DETAIL ON SHEET PED-12A, 1 OF 4 BUT TO BE CONSTRUCTED WITH ONE (1) APPROACH/RAMP ONLY.
- ROOT GRUB/REMOVAL MAY BE REQUIRED ALONG PROPOSED SIDEWALK ROUTE WHERE TREES/SHRUBS HAVE BEEN REMOVED. NO SEPARATE PAY.

**DRIVEWAY TABLE**

IDENTIFICATION NUMBER	ADDRESS	APPROX LOCATION	WIDTH	DEPTH	SLOPE	COMMENT	ACTION
03	4501 OLD HEARNE ROAD	0+32	19.9	18.1	5.7%	Driveway	REMOVE & REPLACE
04	3201 TIMBERLINE DRIVE	5+82	16.0	11.8	9.7%	Driveway	REMOVE & REPLACE
05	3203 TIMBERLINE DRIVE	6+39	17.7	11.7	10.5%	Driveway	REMOVE & REPLACE
06	3205 TIMBERLINE DRIVE	6+95	11.7	11.2	11.0%	Driveway	REMOVE & REPLACE
07	3207 TIMBERLINE DRIVE	7+51	16.5	10.9	6.4%	Driveway	REMOVE & REPLACE
08	3209 TIMBERLINE DRIVE	7+82	11.9	11.1	5.2%	Driveway	REMOVE & REPLACE
09	3211 TIMBERLINE DRIVE	8+33	11.6	10.6	2.6%	Driveway	REMOVE & REPLACE
10	3213 TIMBERLINE DRIVE	8+85	15.9	11.6	2.7%	Driveway	REMOVE & REPLACE



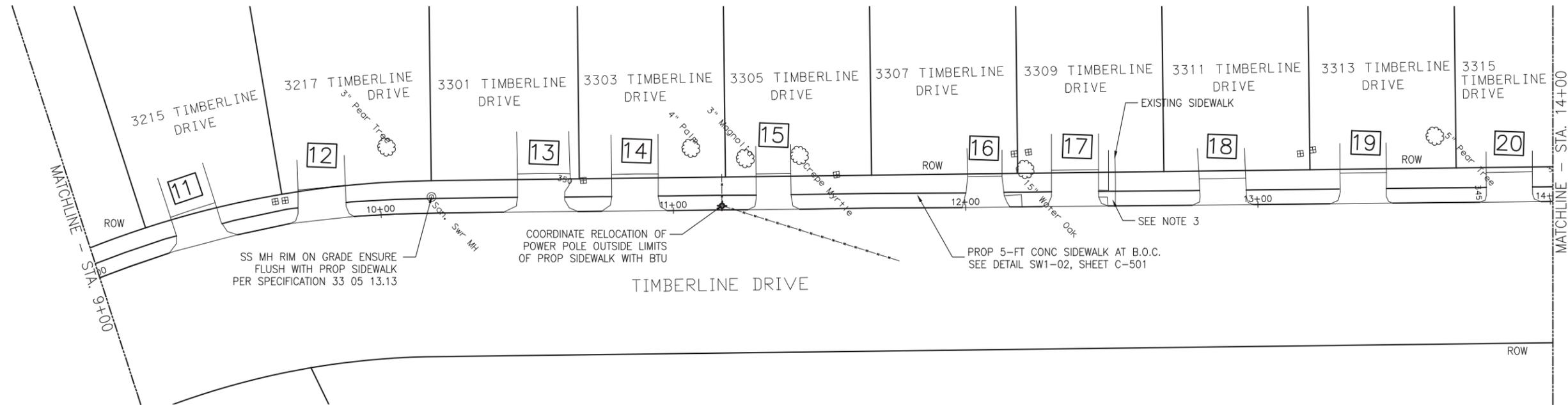
REVISIONS:


**NAVARRO ELEM. SIDEWALKS  
TIMBERLINE DRIVE  
STA. 0+00 TO STA. 9+00**

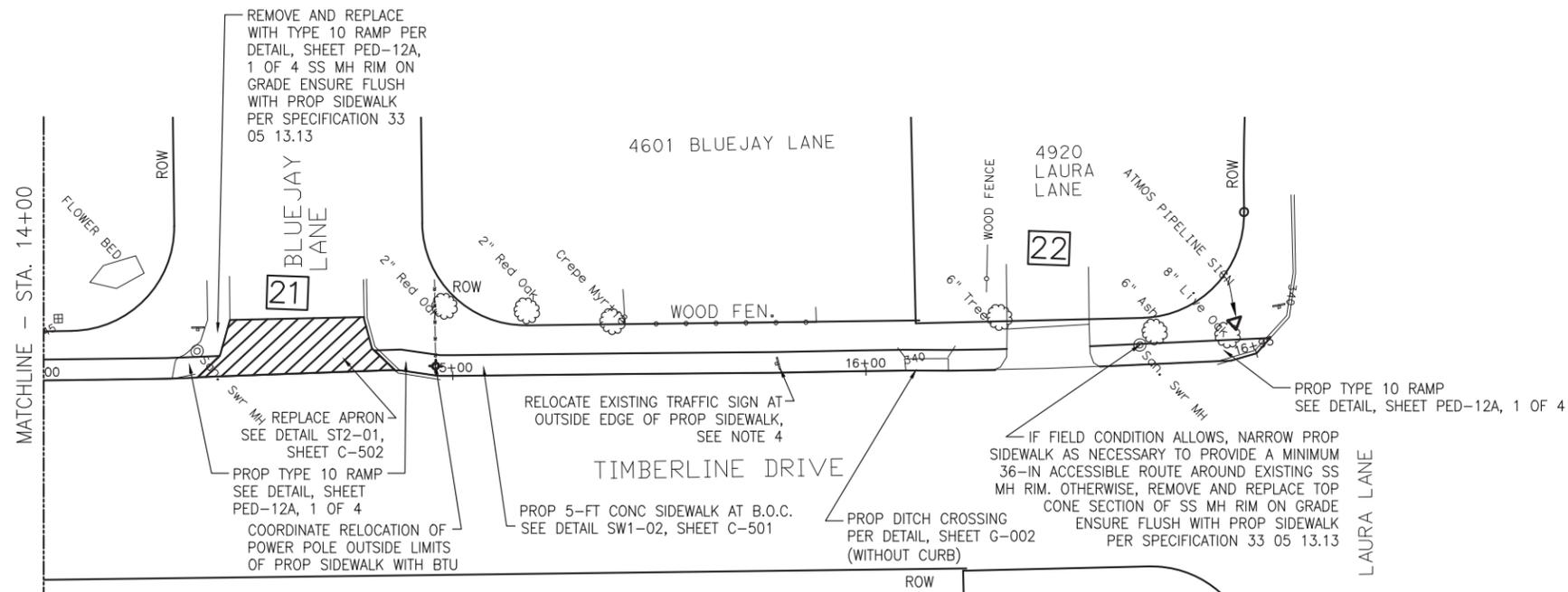
DRAWN BY: KJL  
DATE: 2012/12/03  
SCALE: AS NOTED  
APPROVED: JCR

SHEET:  
**C-402**

Drawing Name: I:\20-11256-000\4-0-production\4-01-drawings\Civil\Navarro\C-102\_TL01.dwg



TIMBERLINE DRIVE STA. 9+00 TO STA. 14+00



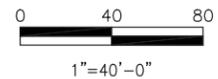
TIMBERLINE DRIVE STA. 14+00 TO STA. 16+95

GENERAL NOTES

1. REMOVE CURB AS NECESSARY FOR INSTALLATION OF PROPOSED RAMP AND SIDEWALK AT ALL DRIVEWAY AND ROADWAY CROSSINGS. WHERE REMOVED, PROVIDE CURB RETURN WITH ROLL FACE DIMINISHING AT EDGE OF PROPOSED SIDEWALK.
2. SEE DRIVEWAY TABLE, THIS SHEET, FOR INDEX WITH IDENTIFICATION OF PROPOSED REMOVAL AND REPLACEMENT OF EXISTING DRIVEWAYS TO PROVIDE ACCESSIBLE ROUTE AT SIDEWALK. DRIVEWAY DESIGNATED HEREON BY NUMBER. SEE SIDEWALK NOTES, SHEET G-001, FOR SPECIFIC DIRECTION BASED ON ACTION NOTED IN THE TABLE.
3. DEMO EXISTING SIDEWALK AS NECESSARY TO ACCOMMODATE PROP SIDEWALK. REMOVE SUFFICIENT LENGTH (BUT NOT BEYOND RIGHT OF WAY) TO TIE EXISTING INTO PROPOSED AT NO SLOPE GREATER THAN 1:12.
4. SEE SHEETS C-406 THROUGH C-409 FOR PROP CROSSWALK AND SIGNAGE IMPROVEMENTS.
5. ROOT GRUB/REMOVAL MAY BE REQUIRED ALONG PROPOSED SIDEWALK ROUTE WHERE TREES/SHRUBS HAVE BEEN REMOVED. NO SEPARATE PAY.

DRIVEWAY TABLE

DRIVEWAY NO.	ADDRESS	EXISTING	PROPOSED	REMARKS
11	3215 TIMBERLINE DRIVE	EXIST	REPL	REPLACE APRON SEE DETAIL ST2-01, SHEET C-502
12	3217 TIMBERLINE DRIVE	EXIST	REPL	REPLACE APRON SEE DETAIL ST2-01, SHEET C-502
13	3301 TIMBERLINE DRIVE	EXIST	REPL	REPLACE APRON SEE DETAIL ST2-01, SHEET C-502
14	3303 TIMBERLINE DRIVE	EXIST	REPL	REPLACE APRON SEE DETAIL ST2-01, SHEET C-502
15	3305 TIMBERLINE DRIVE	EXIST	REPL	REPLACE APRON SEE DETAIL ST2-01, SHEET C-502
16	3307 TIMBERLINE DRIVE	EXIST	REPL	REPLACE APRON SEE DETAIL ST2-01, SHEET C-502
17	3309 TIMBERLINE DRIVE	EXIST	REPL	REPLACE APRON SEE DETAIL ST2-01, SHEET C-502
18	3311 TIMBERLINE DRIVE	EXIST	REPL	REPLACE APRON SEE DETAIL ST2-01, SHEET C-502
19	3313 TIMBERLINE DRIVE	EXIST	REPL	REPLACE APRON SEE DETAIL ST2-01, SHEET C-502
20	3315 TIMBERLINE DRIVE	EXIST	REPL	REPLACE APRON SEE DETAIL ST2-01, SHEET C-502
21	BLUEJAY LANE	EXIST	REPL	REPLACE APRON SEE DETAIL ST2-01, SHEET C-502
22	LAURA LANE	EXIST	REPL	REPLACE APRON SEE DETAIL ST2-01, SHEET C-502



REVISIONS:



NAVARRO ELEM. SIDEWALKS  
TIMBERLINE DRIVE  
STA. 9+00 TO STA. 16+95

**Lockwood, Andrews & Newman, Inc.**  
A LEA-A SALLY COMPANY  
PLANNING  
ENGINEERING  
PROGRAM MANAGEMENT  
217 Rock Prairie Road  
College Station, Texas 77445  
Tel 979.776.1000 Fax 979.693.8678

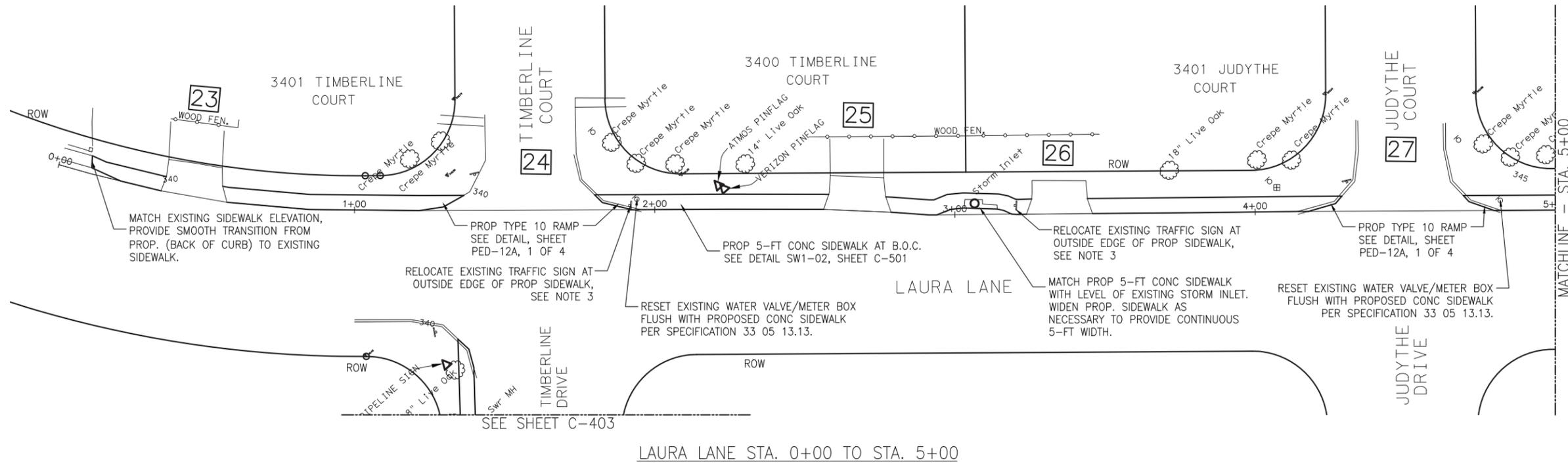


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DATE: 2012/12/03  
SCALE: AS NOTED  
APPROVED: JCR

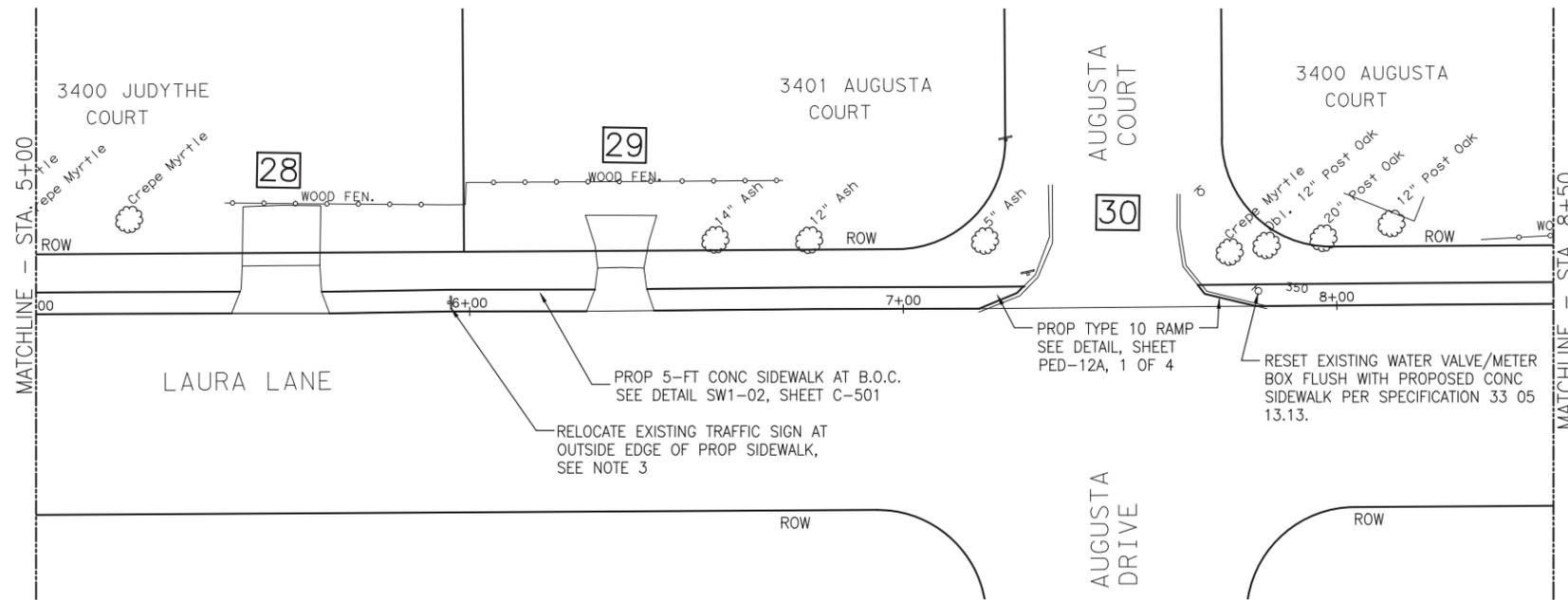
SHEET:

C-403

Drawing Name: I:\20-11256-000\4-0-production\4-01-drawings\Civil\Navarro\C-104\_LL01.dwg



Laura Lane Sta. 0+00 to Sta. 5+00



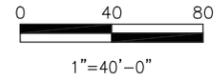
Laura Lane Sta. 5+00 to Sta. 8+50

**GENERAL NOTES**

1. REMOVE CURB AS NECESSARY FOR INSTALLATION OF PROPOSED RAMP AND SIDEWALK AT ALL DRIVEWAY AND ROADWAY CROSSINGS. WHERE REMOVED, PROVIDE CURB RETURN WITH ROLL FACE DIMINISHING AT EDGE OF PROPOSED SIDEWALK.
2. SEE DRIVEWAY TABLE, THIS SHEET, FOR INDEX WITH IDENTIFICATION OF PROPOSED REMOVAL AND REPLACEMENT OF EXISTING DRIVEWAYS TO PROVIDE ACCESSIBLE ROUTE AT SIDEWALK. DRIVEWAYS DESIGNATED HEREON BY NUMBER. SEE SIDEWALK NOTES, SHEET G-001, FOR SPECIFIC DIRECTION BASED ON ACTION NOTED IN THE TABLE.
3. SEE SHEETS C-406 THROUGH C-409 FOR PROP CROSSWALK AND SIGNAGE IMPROVEMENTS.
4. ROOT GRUB/REMOVAL MAY BE REQUIRED ALONG PROPOSED SIDEWALK ROUTE WHERE TREES/SHRUBS HAVE BEEN REMOVED. NO SEPARATE PAY.

**DRIVEWAY TABLE**

IDENTIFICATION NUMBER	ADDRESS	APPROX LOCATION	WIDTH	DEPTH	SLOPE	COMMENT	ACTION
23	3401 TIMBERLINE COURT	0+46	18.0	11.0	8.5%	Driveway	REMOVE & REPLACE
24	TIMBERLINE COURT	1+63	30.3	17.3	0.6%	Street	NONE
25	3400 TIMBERLINE COURT	2+67	17.8	12.6	6.8%	Driveway	REMOVE & REPLACE
26	3401 JUDYTHE COURT	3+35	18.0	11.1	3.2%	Driveway	REMOVE & REPLACE
27	JUDYTHE COURT	4+49	29.9	26.3	0.2%	Street	NONE
28	3400 JUDYTHE COURT	5+56	17.9	13.9	8.4%	Driveway	REMOVE & REPLACE
29	3401 AUGUSTA COURT	6+35	11.8	13.8	8.7%	Driveway	REMOVE & REPLACE
30	AUGUSTA COURT	7+48	30.4	23.7	0.0%	Street	NONE



REVISIONS:


Lockwood, Andrews & Newnam, Inc.  
200\_1130  
F-2614

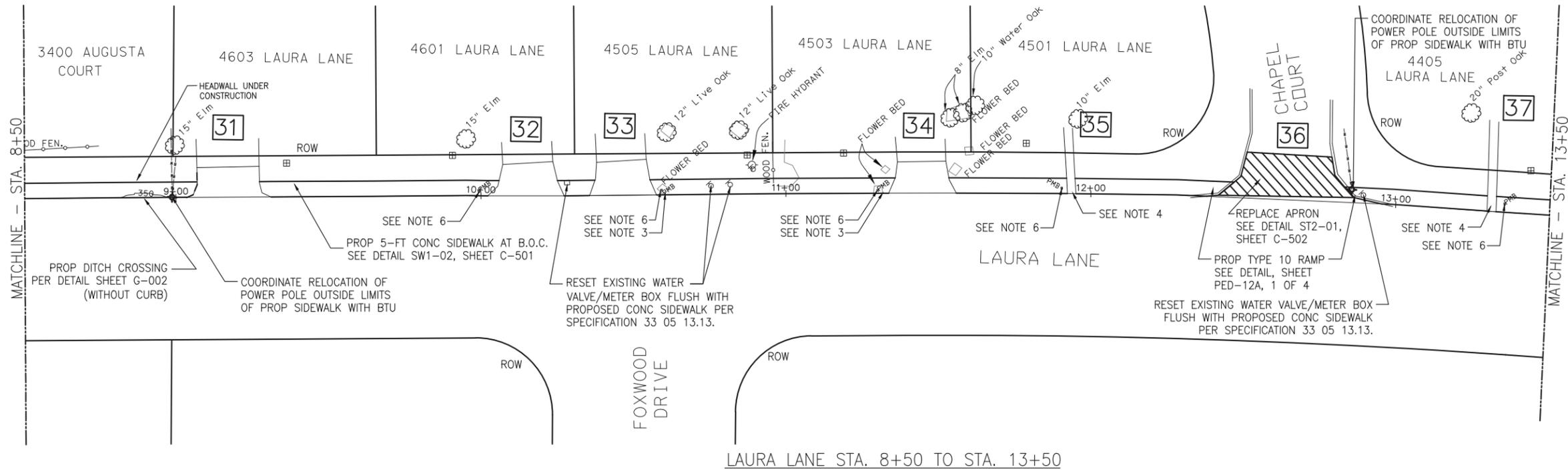
**NAVARRO ELEM. SIDEWALKS**  
**LAURA LANE**  
**STA. 0+00 TO STA. 8+50**

Lockwood, Andrews & Newnam, Inc.  
A L.A. SULLY COMPANY  
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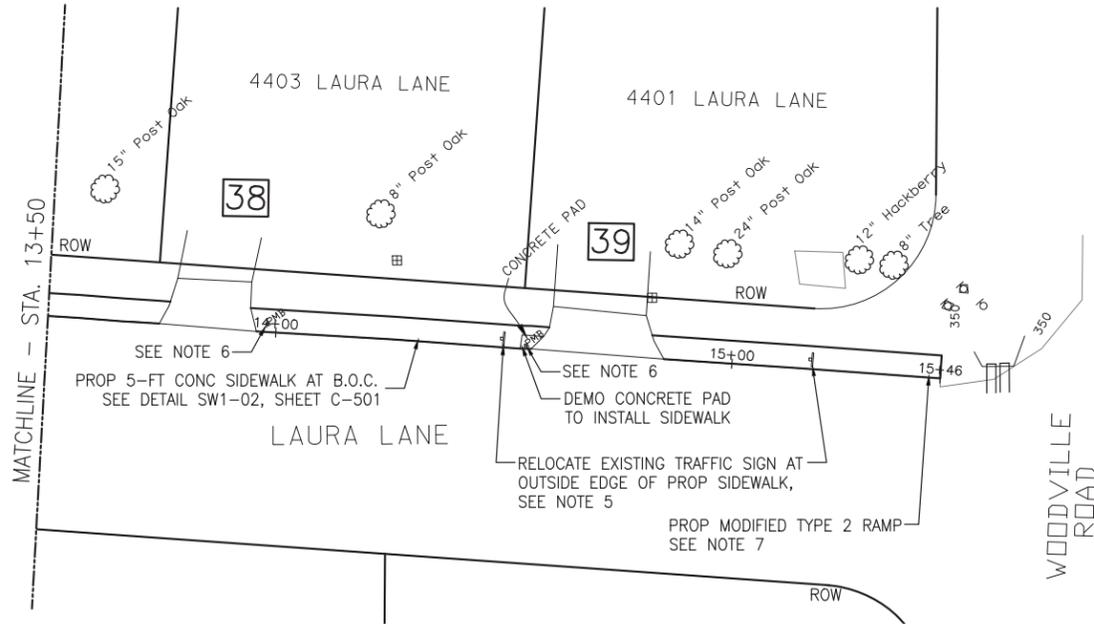


DRAWN BY: KJL  
DATE: 2012/11/28  
SCALE: AS NOTED  
APPROVED: JCR

SHEET:  
**C-404**



LAURA LANE STA. 8+50 TO STA. 13+50



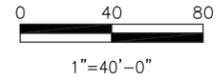
LAURA LANE STA. 13+50 TO STA. 15+46

**GENERAL NOTES**

1. REMOVE CURB AS NECESSARY FOR INSTALLATION OF PROPOSED RAMP AND SIDEWALK AT ALL DRIVEWAY AND ROADWAY CROSSINGS. WHERE REMOVED, PROVIDE CURB RETURN WITH ROLL FACE DIMINISHING AT EDGE OF PROPOSED SIDEWALK.
2. SEE DRIVEWAY TABLE, THIS SHEET, FOR INDEX WITH IDENTIFICATION OF PROPOSED REMOVAL AND REPLACEMENT OF EXISTING DRIVEWAYS TO PROVIDE ACCESSIBLE ROUTE AT SIDEWALK. DRIVEWAYS DESIGNATED HEREON BY NUMBER. SEE SIDEWALK NOTES, SHEET G-001, FOR SPECIFIC DIRECTION BASED ON ACTION NOTED IN THE TABLE.
3. REMOVE FLOWER BED.
4. DEMO EXISTING SIDEWALK AS NECESSARY TO ACCOMMODATE PROP SIDEWALK. REMOVE SUFFICIENT LENGTH (BUT NOT BEYOND RIGHT OF WAY) TO TIE EXISTING INTO PROPOSED AT NO SLOPE GREATER THAN 1:12.
5. SEE SHEETS C-406 THROUGH C-409 FOR PROP CROSSWALK AND SIGNAGE IMPROVEMENTS.
6. RELOCATE EXISTING POST MAILBOX (PMB) PER DETAIL, SHEET G-002.
7. MODIFIED TYPE 2 RAMP PER DETAIL ON SHEET PED-12A, 1 OF 4 BUT TO BE CONSTRUCTED WITH ONE (1) APPROACH/RAMP ONLY.
8. ROOT GRUB/REMOVAL MAY BE REQUIRED ALONG PROPOSED SIDEWALK ROUTE WHERE TREES/SHRUBS HAVE BEEN REMOVED. NO SEPARATE PAY.

**DRIVEWAY TABLE**

IDENTIFICATION NUMBER	ADDRESS	APPROX LOCATION	WIDTH	DEPTH	SLOPE	COMMENT	ACTION
31	4603 LAURA LANE	9+18	20.5	13.4	10.2%	Driveway	REMOVE & REPLACE
32	4601 LAURA LANE	10+15	16.4	13.5	11.7%	Driveway	REMOVE & REPLACE
33	4505 LAURA LANE	10+45	16.3	13.6	10.8%	Driveway	REMOVE & REPLACE
34	4503 LAURA LANE	11+45	16.1	13.5	13.2%	Driveway	REMOVE & REPLACE
35	4501 LAURA LANE	11+95	02.8	13.3	2.3%	Sidewalk	REMOVE & REPLACE
36	CHAPEL COURT	12+65	25.5	20.2	12.2%	Street	REPLACE APRON
37	4405 LAURA LANE	13+30	02.9	13.4	1.6%	Sidewalk	NONE
38	4403 LAURA LANE	13+75	16.2	13.5	12.7%	Driveway	REMOVE & REPLACE
39	4401 LAURA LANE	14+70	20.4	13.3	11.0%	Driveway	REMOVE & REPLACE



REVISIONS:


**NAVARRO ELEM. SIDEWALKS  
LAURA LANE  
STA. 8+50 TO STA. 15+46**

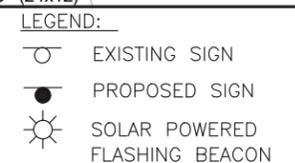
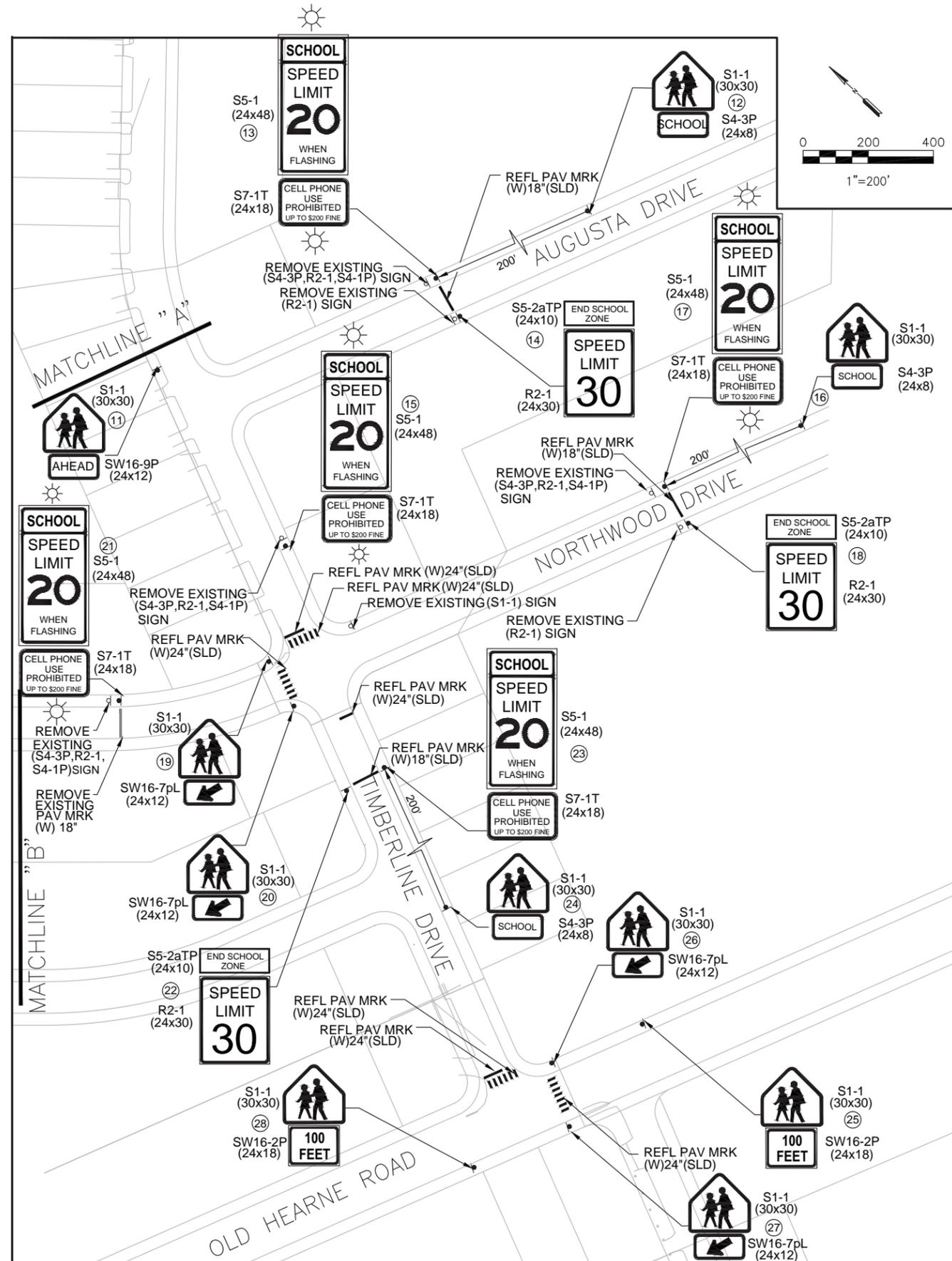
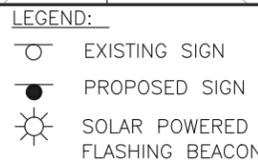
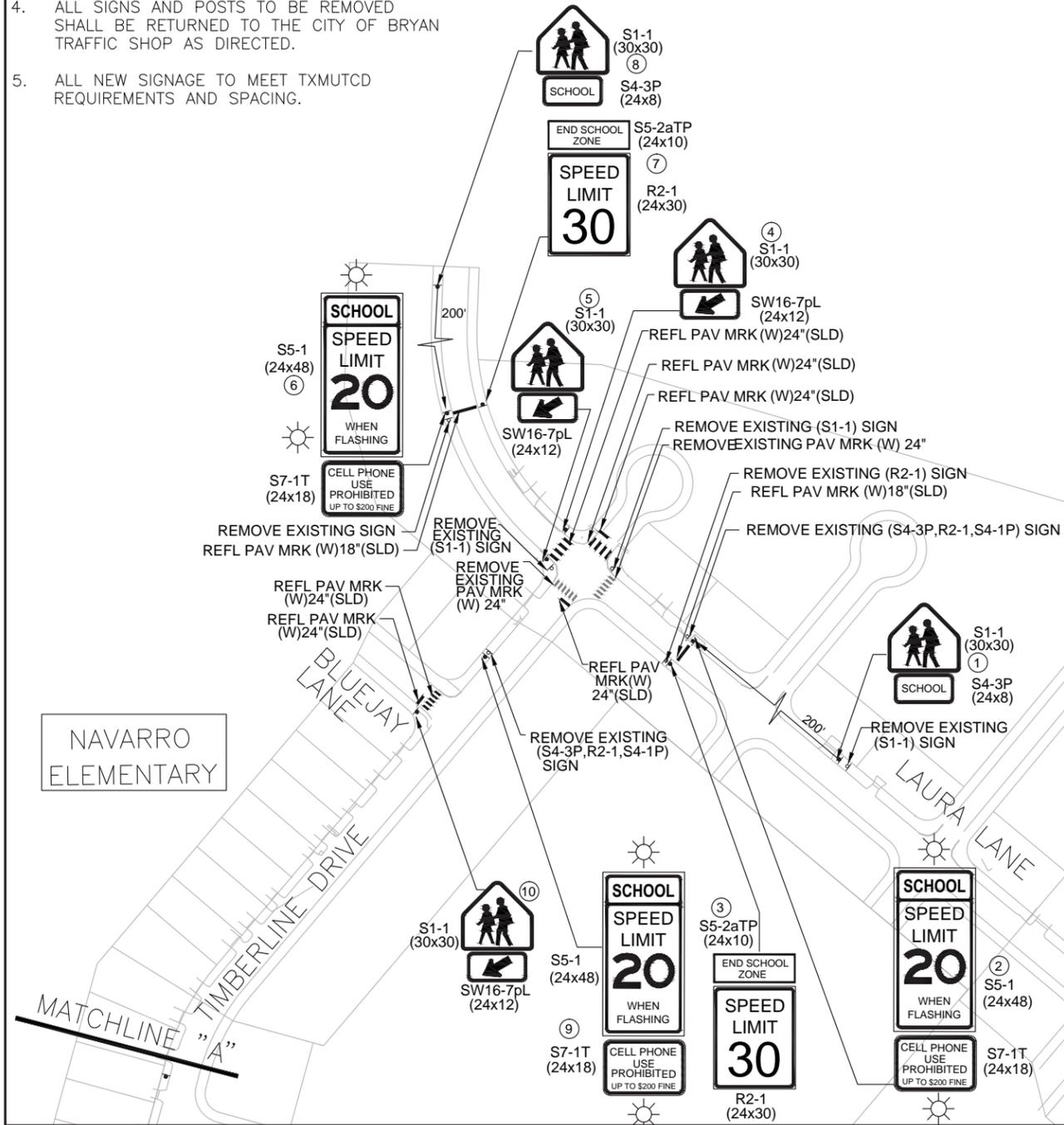
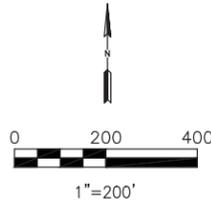
DRAWN BY: KJL  
DATE: 2012/11/28  
SCALE: AS NOTED  
APPROVED: JCR

SHEET:  
**C-405**

Drawing Name: I:\20-11256-000\4-0-production\4-01-drawings\Civil\Navarro\C-104\_LL01.dwg Date Plotted : Nov 28, 2012 - 6:40pm By: KJLEBLANC

NOTES:

1. UNLESS SPECIFIED, ALL EXISTING SIGNS TO REMAIN.
2. ALL PROPOSED MARKINGS SHOWN ARE TO BE INSTALLED IN ACCORDANCE WITH THE CITY OF BRYAN AND TXDOT'S STANDARD PAVEMENT MARKING DETAILS AND SPECIFICATIONS.
3. CONTRACTOR SHALL REMOVE ANY EXISTING PAVEMENT MARKING IN ACCORDANCE WITH CITY OF BRYAN AND TXDOT'S STANDARDS WHERE PROPOSED PAVEMENT MARKINGS ARE TO BE INSTALLED.
4. ALL SIGNS AND POSTS TO BE REMOVED SHALL BE RETURNED TO THE CITY OF BRYAN TRAFFIC SHOP AS DIRECTED.
5. ALL NEW SIGNAGE TO MEET TXMUTCD REQUIREMENTS AND SPACING.



Drawing Name: L:\120-11256-000\4-0-Production\Drawings\Traffic\COB\_SRTS\_90% NAVARRO\_TRAFFIC DESIGN.dwg

Date Plotted : Nov 29, 2012 - 7:10pm By: AHELHOUT

REVISIONS:



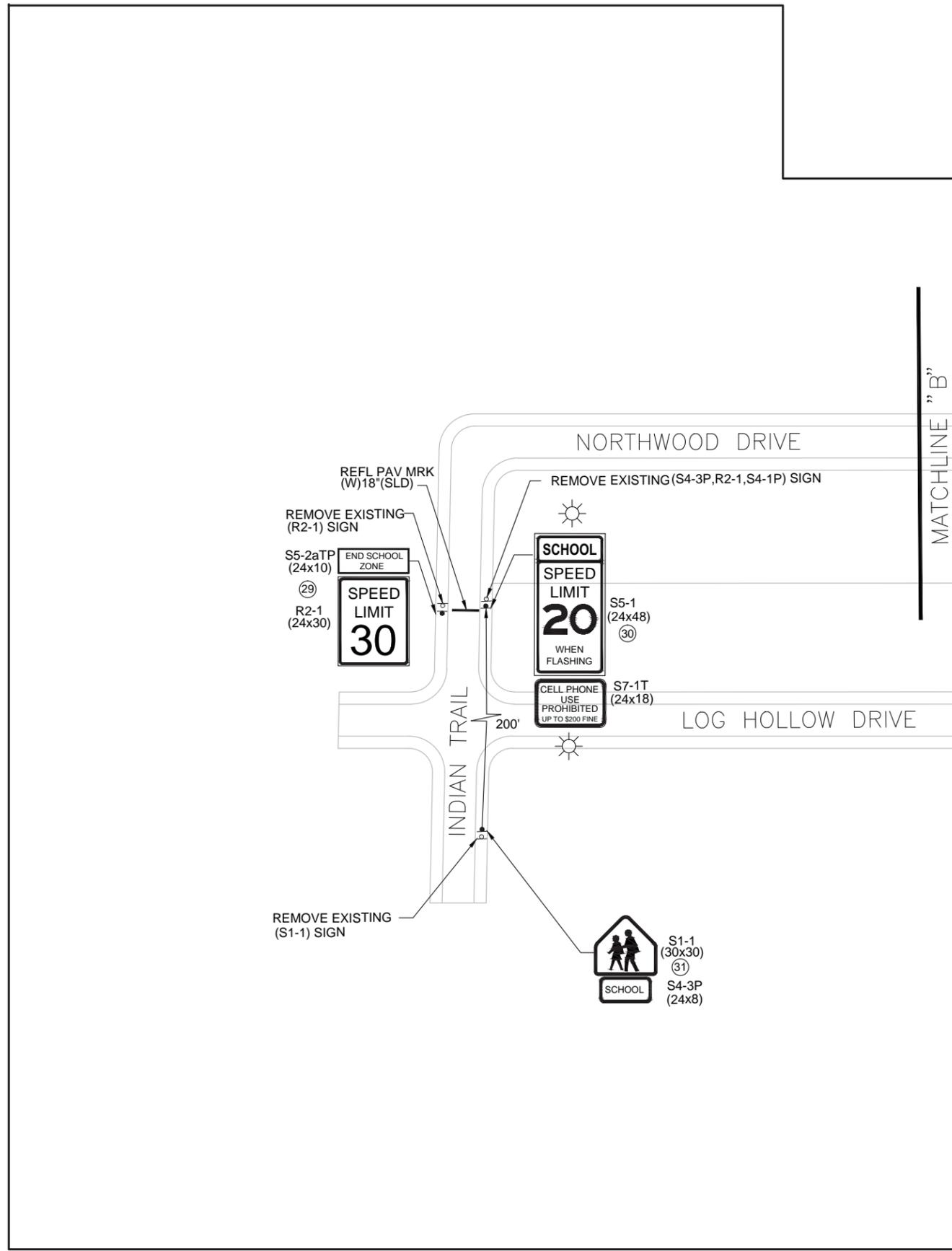
# NAVARRO ELEM. SIDEWALKS SIGNING AND PAVEMENT MARKING LAYOUT

**Lockwood, Andrews & Neumann, Inc.**  
A LEA-A SALLY COMPANY  
PLANNING  
ENGINEERING  
PROGRAM MANAGEMENT  
217 Rock Prairie Road  
College Station, Texas 7745  
Tel 979.776.1000 Fax 979.693.8678



DRAWN BY: AAE  
DATE: 2012/11/30  
SCALE: AS NOTED  
APPROVED: AAE  
SHEET:  
**C-406**  
SHEET OF

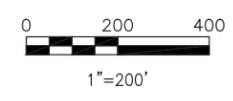
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- NOTES:
1. UNLESS SPECIFIED, ALL EXISTING SIGNS TO REMAIN.
  2. ALL PROPOSED MARKINGS SHOWN ARE TO BE INSTALLED IN ACCORDANCE WITH THE CITY OF BRYAN AND TXDOT'S STANDARD PAVEMENT MARKING DETAILS AND SPECIFICATIONS.
  3. CONTRACTOR SHALL REMOVE ANY EXISTING PAVEMENT MARKING IN ACCORDANCE WITH CITY OF BRYAN AND TXDOT'S STANDARDS WHERE PROPOSED PAVEMENT MARKINGS ARE TO BE INSTALLED.
  4. ALL SIGNS AND POSTS TO BE REMOVED SHALL BE RETURNED TO THE CITY OF BRYAN TRAFFIC SHOP AS DIRECTED.
  5. ALL NEW SIGNAGE TO MEET TXMUTCD REQUIREMENTS AND SPACING.

LEGEND:

-  EXISTING SIGN
-  PROPOSED SIGN
-  FLASHING BEACON



REVISIONS:



**NAVARRO ELEM. SIDEWALKS  
SIGNING AND PAVEMENT  
MARKING LAYOUT**

**Lockwood, Andrews & Newnam, Inc.**  
A L.A. SALLY COMPANY  
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PROGRAM MANAGEMENT  
217 Rock Prairie Road  
College Station, Texas 7745  
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DRAWN BY: AAE  
DATE: 2012/11/30  
SCALE: AS NOTED  
APPROVED: AAE  
SHEET:  
**C-407**  
SHEET OF