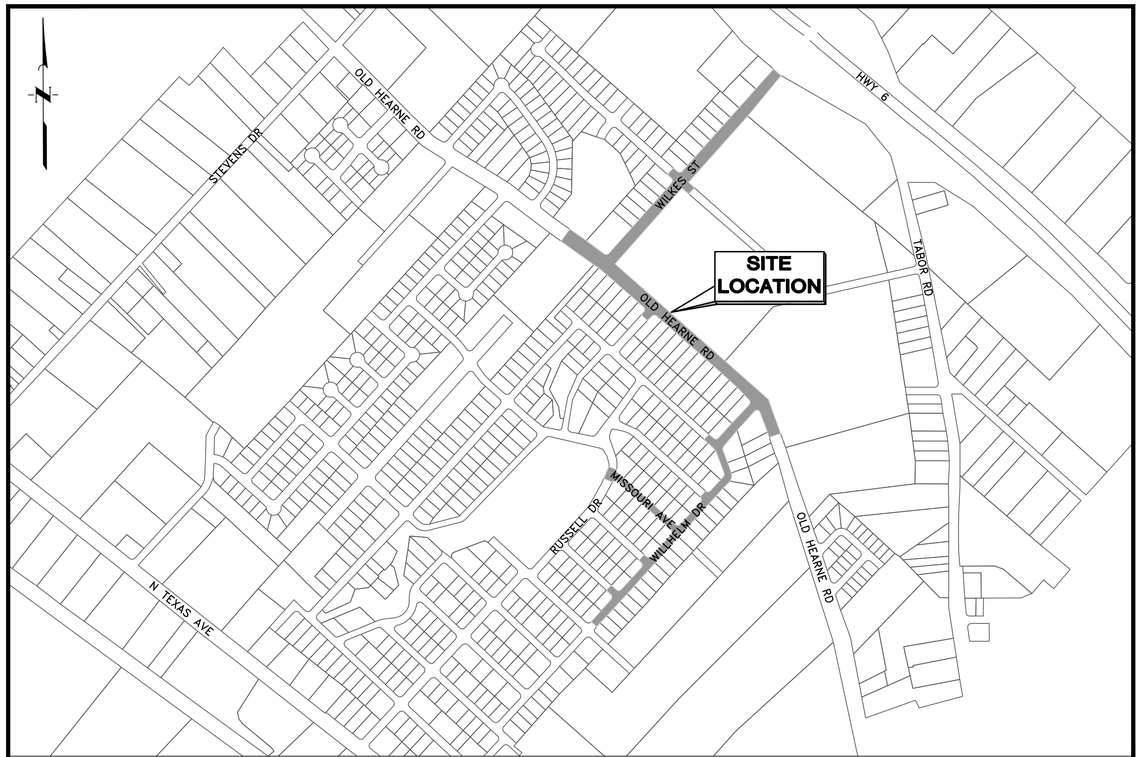
CITY OF BRYAN

OLD HEARNE ROAD-WILKES STREET
RECONSTRUCTION & DRAINAGE IMPROVEMENTS

CITY OF BRYAN PROJECT No. 332/411/425/611-DE-1211
JC Job No. C0011-0017

CITY OF BRYAN
The Good Life, Texas Style.™



VICINITY MAP
SCALE: N.T.S.

JANUARY 2016

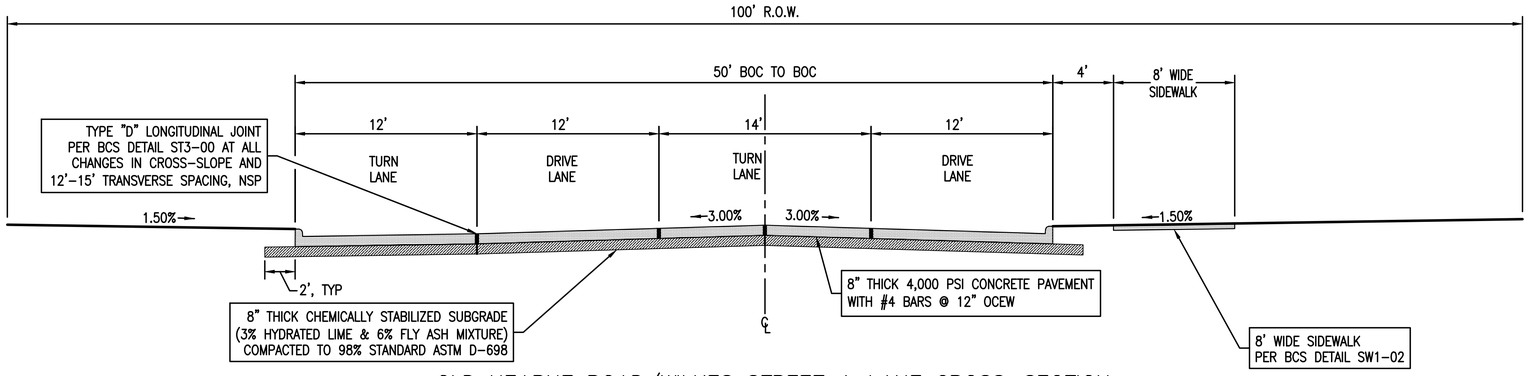
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 •
979.731.8000

1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB

STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

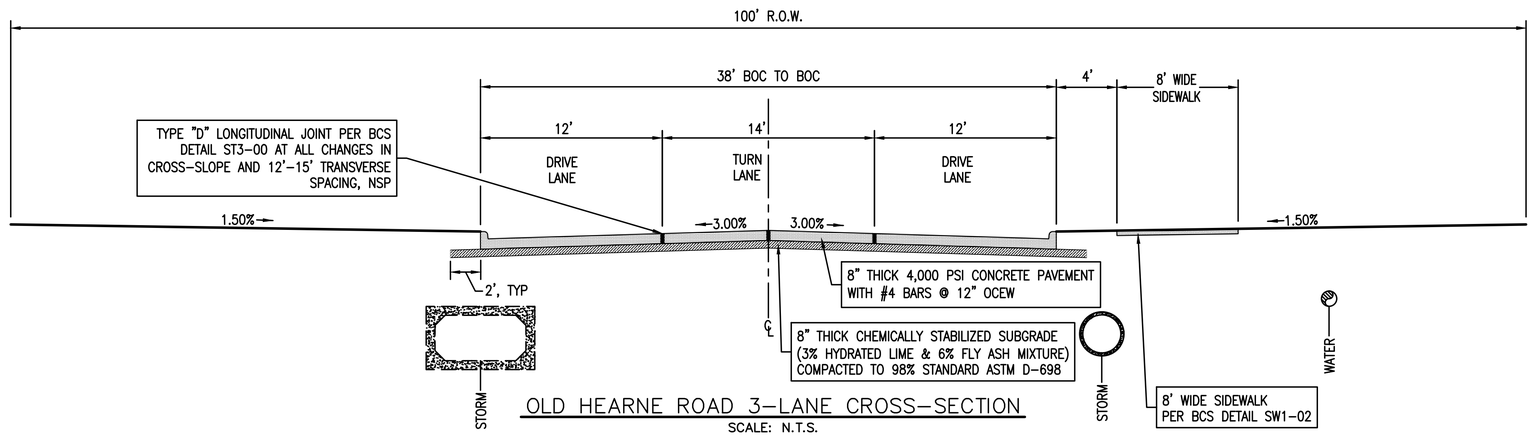
JONES & CARTER Inc. JOB No. C0011-0017 – (OLD HEARNE ROAD – WILKES STREET)

S:\J-&&\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Cover & Overview.dwg Jan 14, 2016 - 9:34pm CCC2



OLD HEARNE ROAD/WILKES STREET 4-LANE CROSS-SECTION

SCALE: N.T.S.

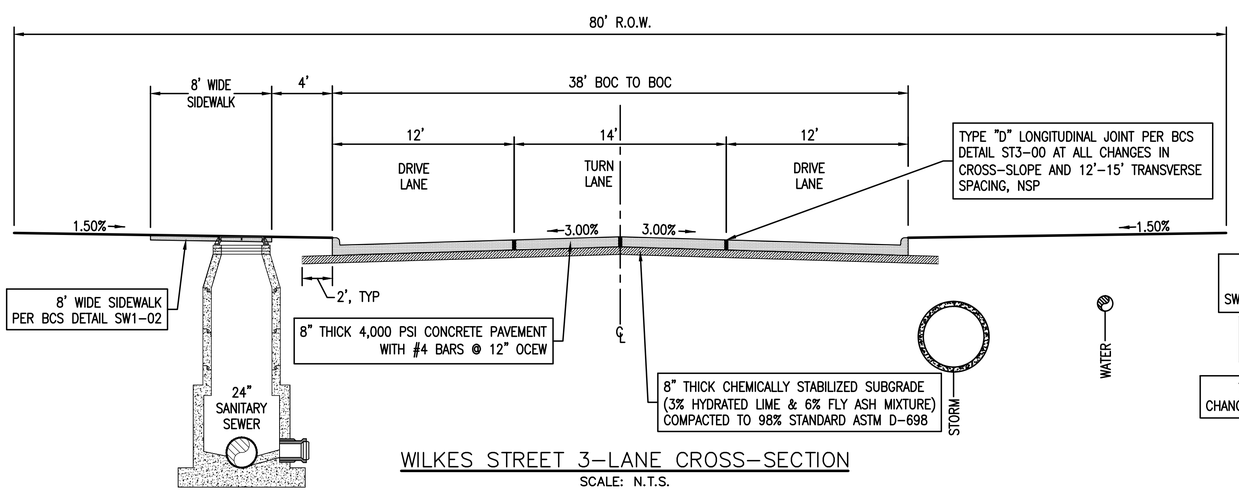


OLD HEARNE ROAD 3-LANE CROSS-SECTION

SCALE: N.T.S.

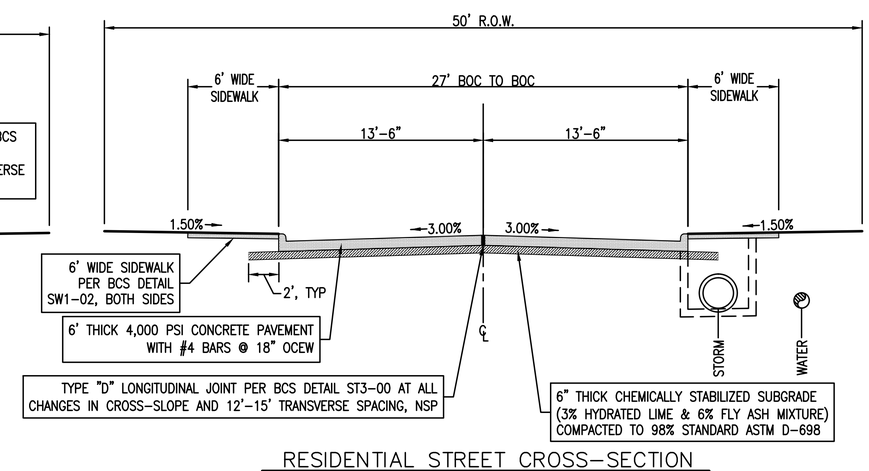
PAVING NOTES:

1. CONTRACTOR SHALL CONFIRM PERCENTAGES OF LIME/FLY ASH ADMIXTURE PRIOR TO PLACEMENT WITH SPECIFIC LABORATORY TEST TO BE PERFORMED AT THE TIME OF CONSTRUCTION.
2. CHEMICALLY STABILIZED SUBGRADE TO BE COMPACTED TO 98% STANDARD ASTM D-698 AT A MOISTURE CONTENT OF OPTIMUM TO +4% OF OPTIMUM.
3. LONGITUDINAL TYPE "D" JOINTS ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. ACTUAL LOCATIONS SHALL BE PER BCS STANDARD DETAILS, MAXIMUM OF 15' SPACING AND AT ALL CHANGES IN CROSS-SLOPES.
4. TRANSVERSE CONTRACTION JOINTS SHALL BE SPACED AT INTERVALS OF 12'-15' WITH EXPANSION JOINTS SPACED AT MAXIMUM INTERVALS OF 60'.



WILKES STREET 3-LANE CROSS-SECTION

SCALE: N.T.S.



RESIDENTIAL STREET CROSS-SECTION

SCALE: N.T.S.

	DATE	REVISIONS	APP.
1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD-WILKES STREET REHABILITATION

CROSS SECTIONS & UTILITY ASSIGNMENTS

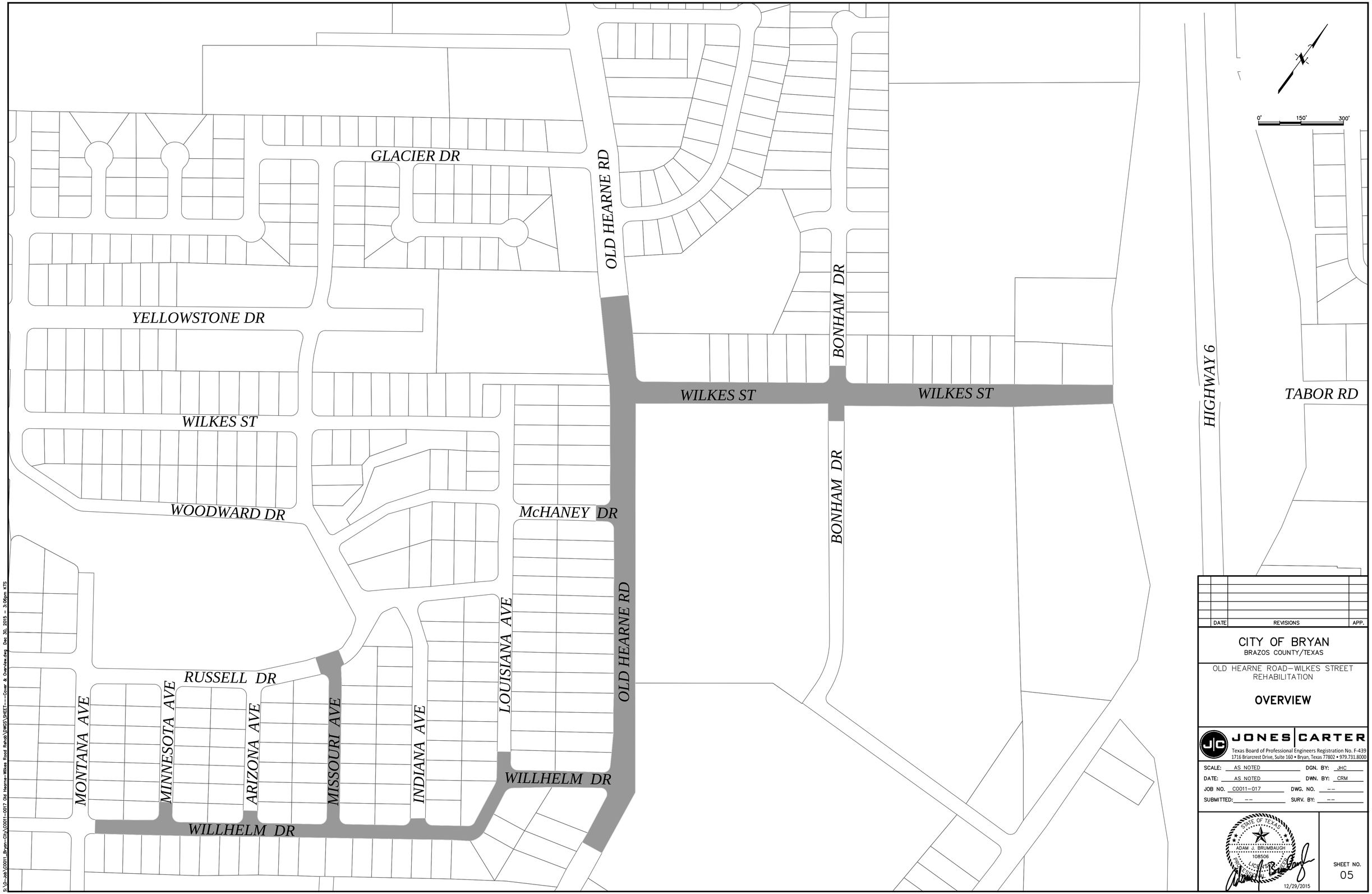
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011-0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

SHEET NO.
04

S:\JC-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWG\SHEET---Cover & Overview.dwg Jan 14, 2016 - 9:39pm CCC2



DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY/TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

OVERVIEW

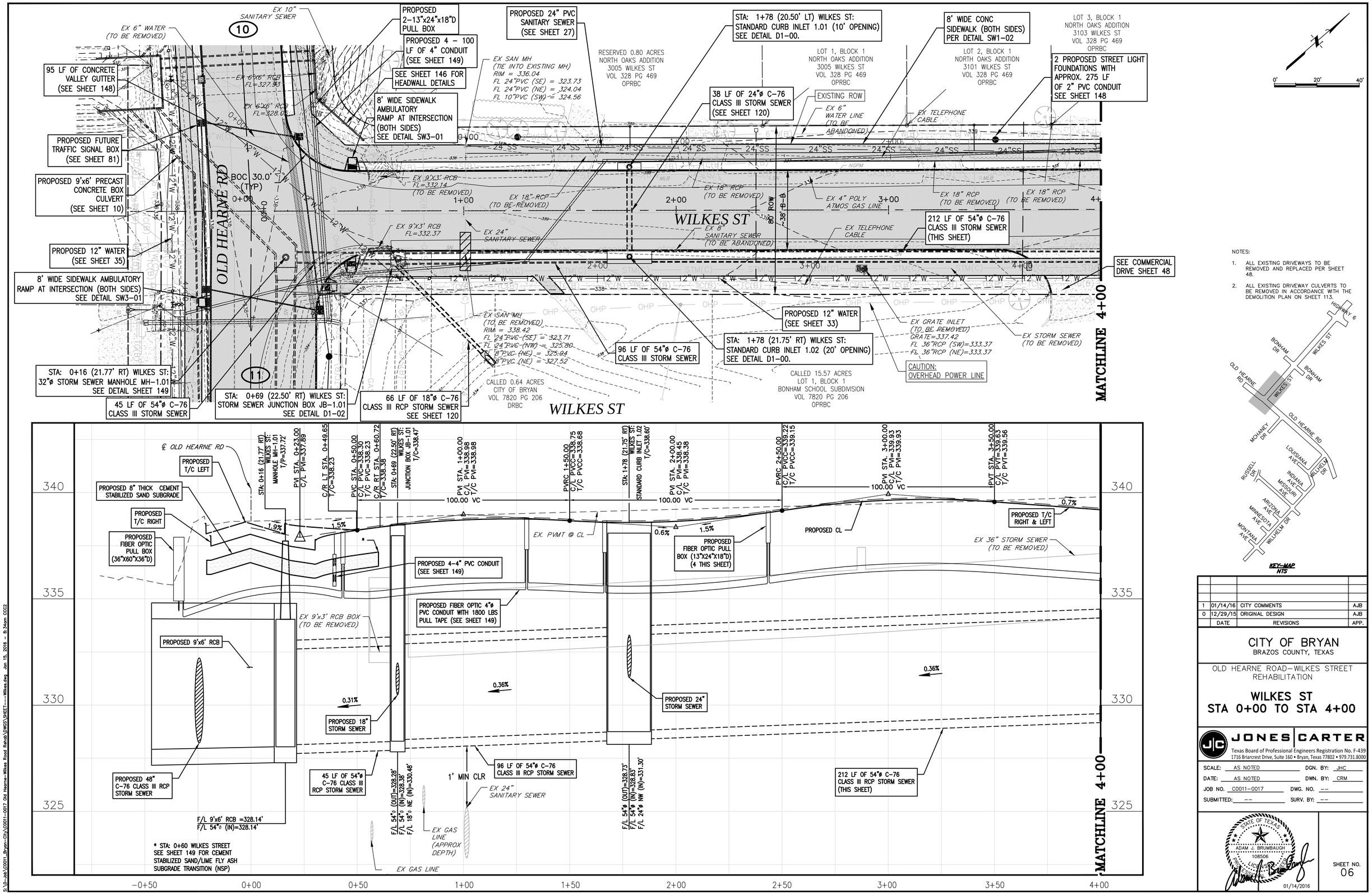
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
05

S:\Jc-Job\C0011_Bryan-City\C0011-017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Cover & Overview.dwg Dec 30, 2015 - 3:06pm KTS



1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

WILKES ST
STA 0+00 TO STA 4+00

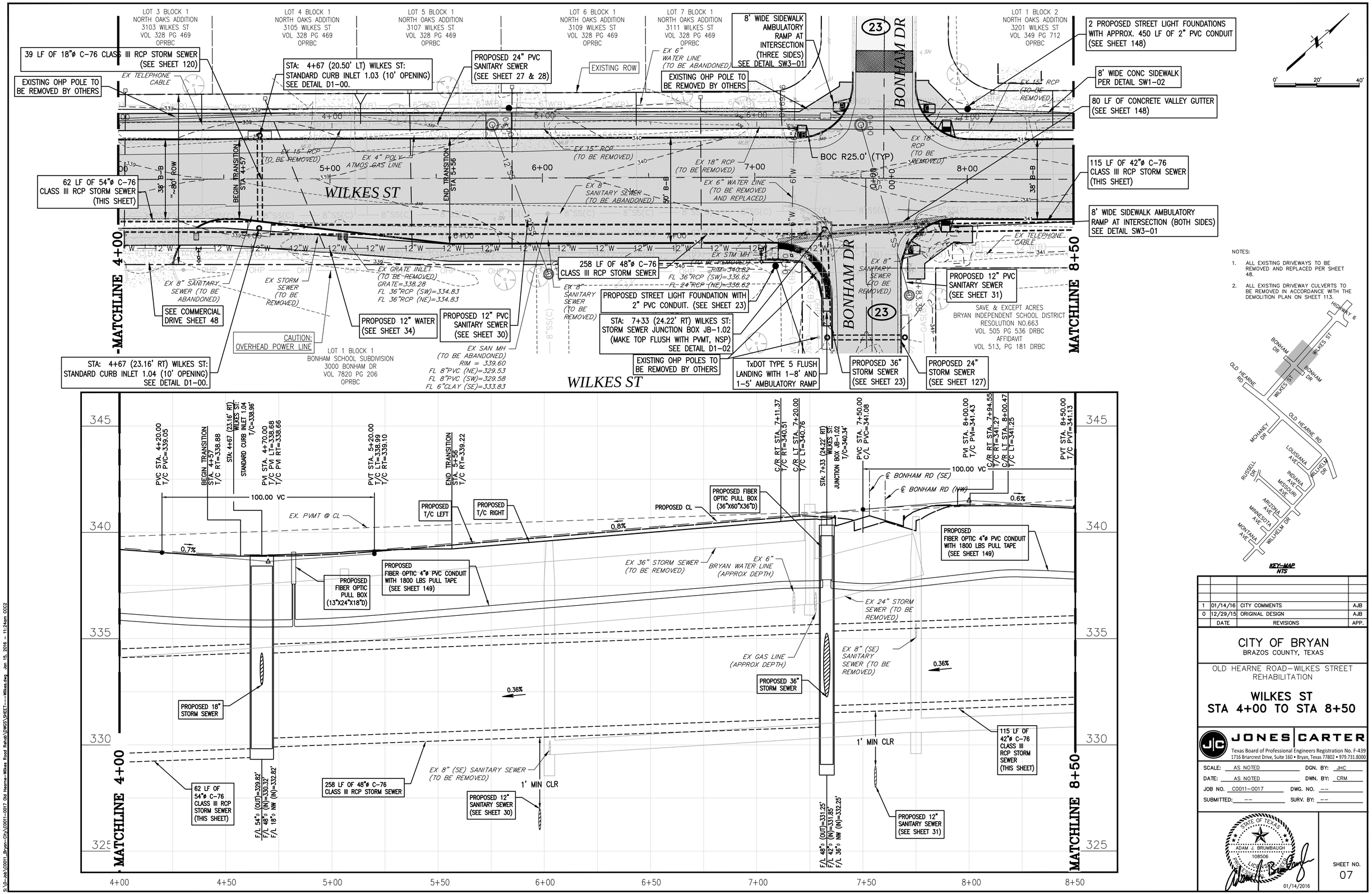
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

SHEET NO. 06

S:\Jc-lab\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET----Wilkes.dwg Jan 15, 2016 - 8:34am CC2



1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

WILKES ST
STA 4+00 TO STA 8+50

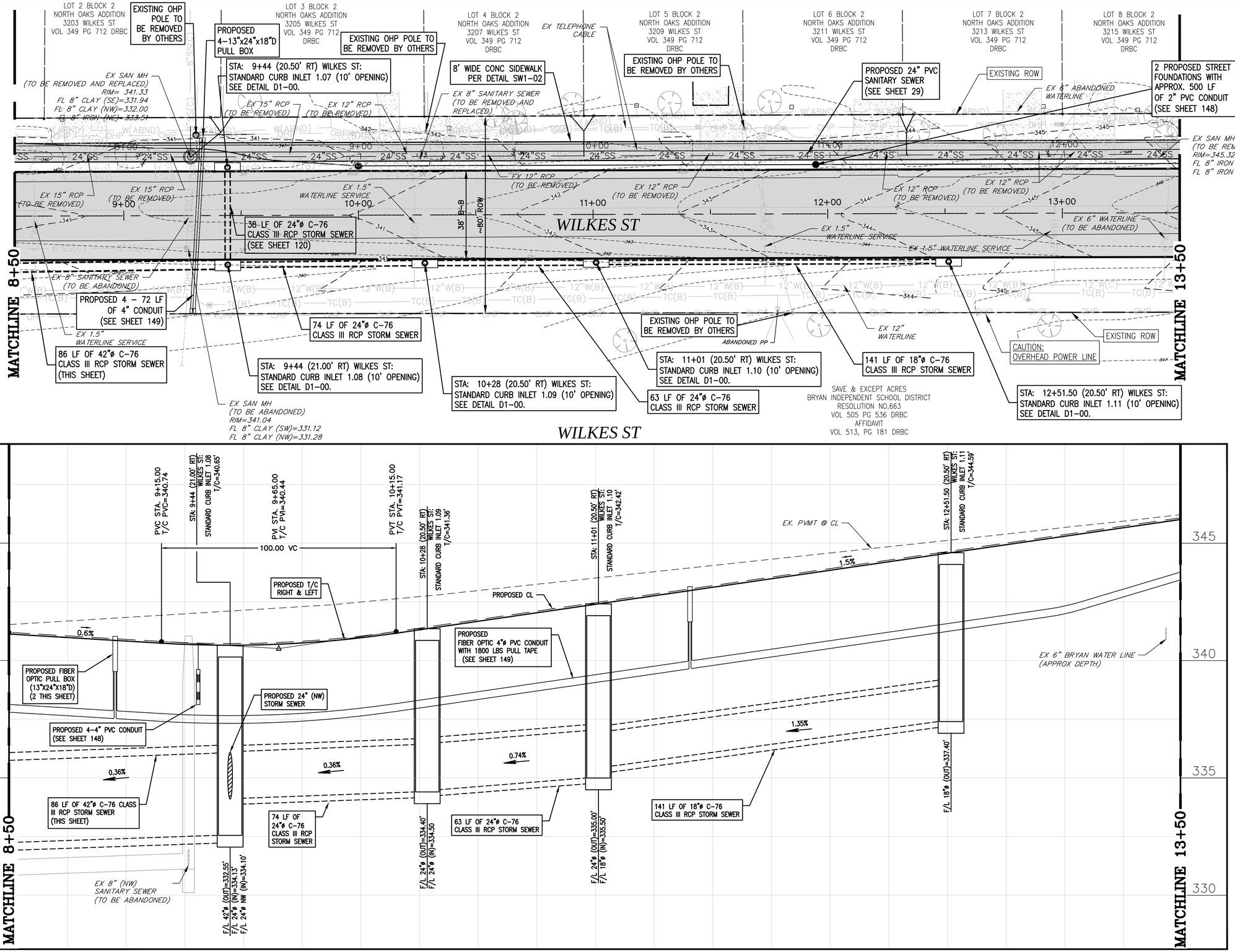
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011-0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS ADAM J. BRUMBAUGH 108506 LICENSED PROFESSIONAL ENGINEER 01/14/2016

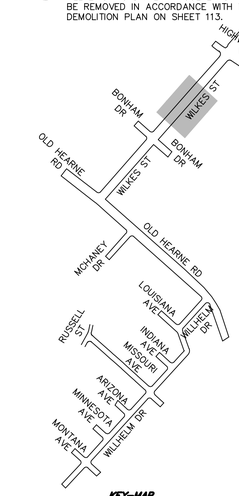
SHEET NO. 07

S:\O-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Wilkes.dwg Jan 15, 2016 - 11:24am CCC2



NOTES:

1. ALL EXISTING DRIVEWAYS TO BE REMOVED AND REPLACED PER SHEET 48.
2. ALL EXISTING DRIVEWAY CULVERTS TO BE REMOVED IN ACCORDANCE WITH THE DEMOLITION PLAN ON SHEET 113.



KEY-MAP NTS

DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

WILKES ST
STA 8+50 TO STA 13+50

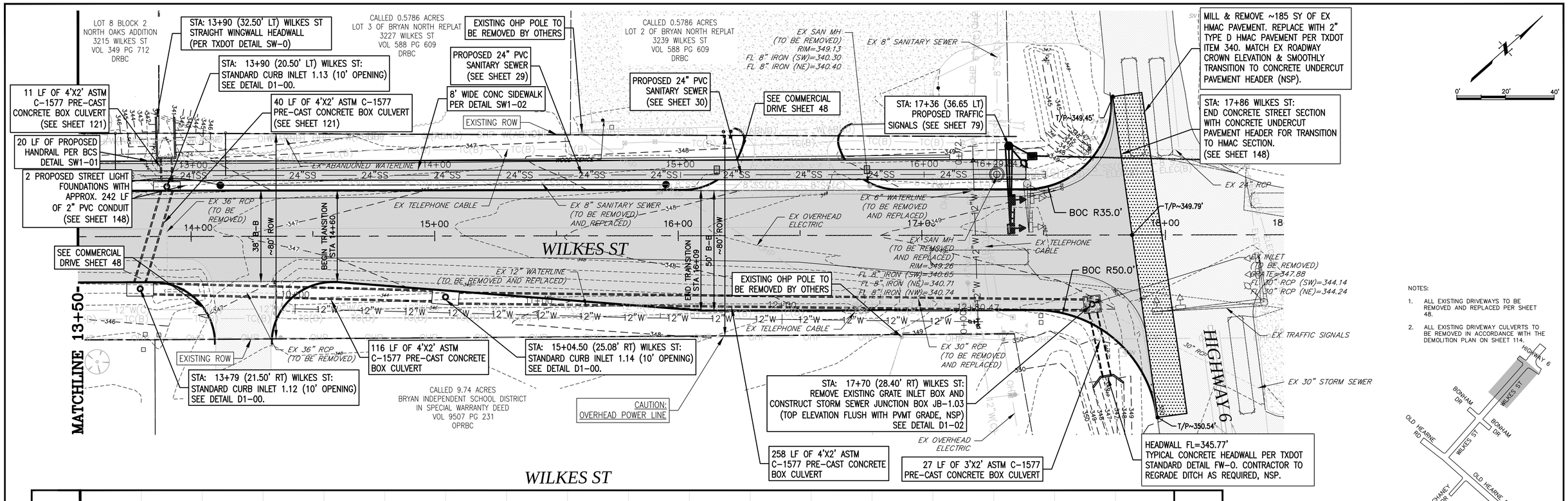
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011-0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
PROFESSIONAL ENGINEER
12/29/2015

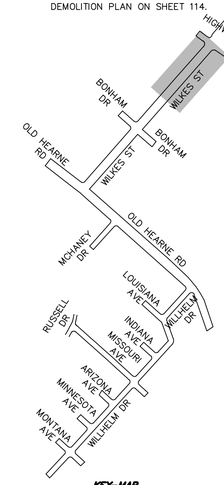
SHEET NO.
08

\\JCCS\shared\J0-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Wilkes.dwg Jan 04, 2016 - 8:18pm JHC



NOTES:

1. ALL EXISTING DRIVEWAYS TO BE REMOVED AND REPLACED PER SHEET 48.
2. ALL EXISTING DRIVEWAY CULVERTS TO BE REMOVED IN ACCORDANCE WITH THE DEMOLITION PLAN ON SHEET 114.



KEY-MAP
NTS

1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET
REHABILITATION

WILKES ST
STA 13+50 TO STA 17+86

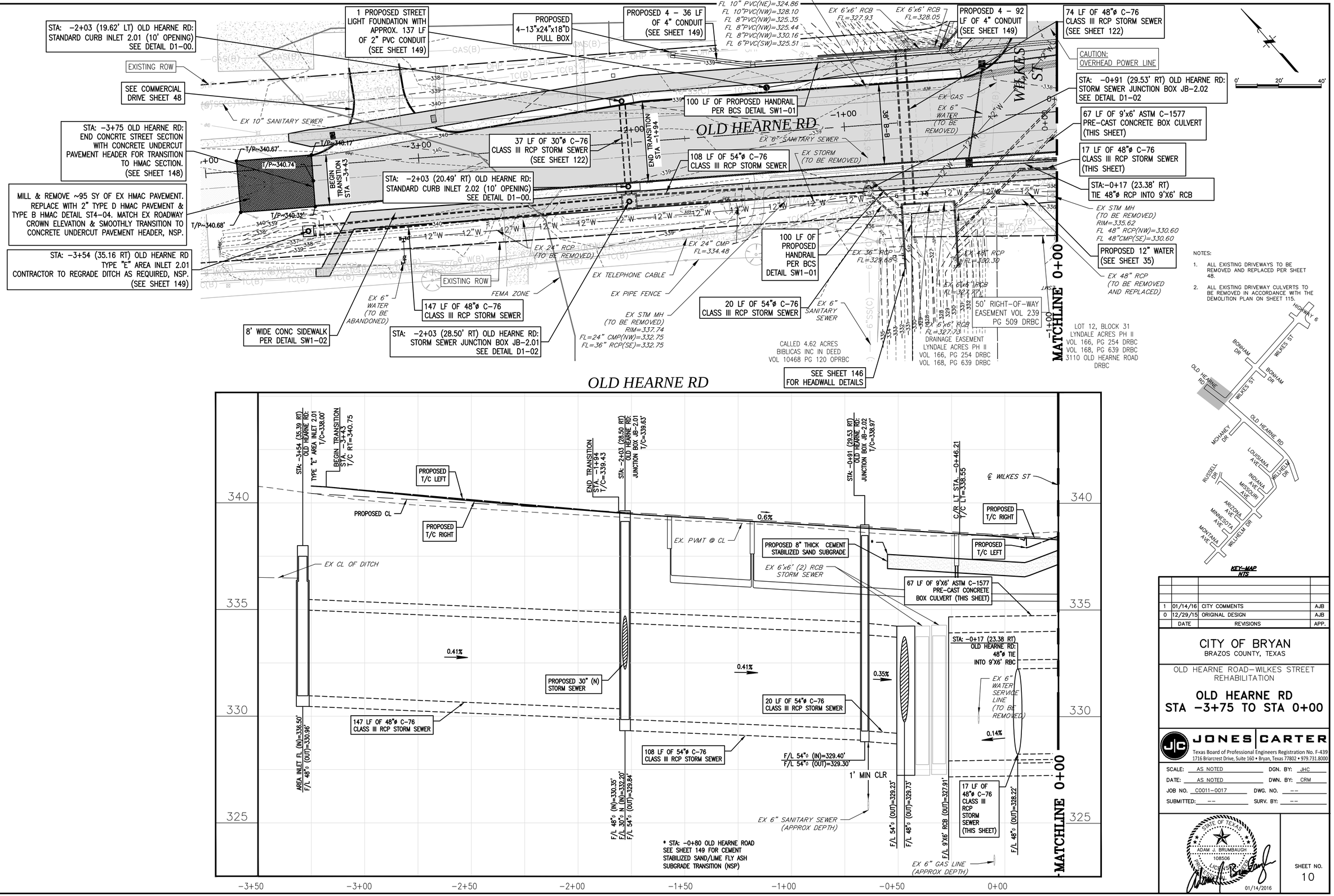
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

SHEET NO.
09

S:\Jc-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET----Wilkes.dwg Jan 15, 2016 - 8:36am CCC2



1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

OLD HEARNE RD
STA −3+75 TO STA 0+00

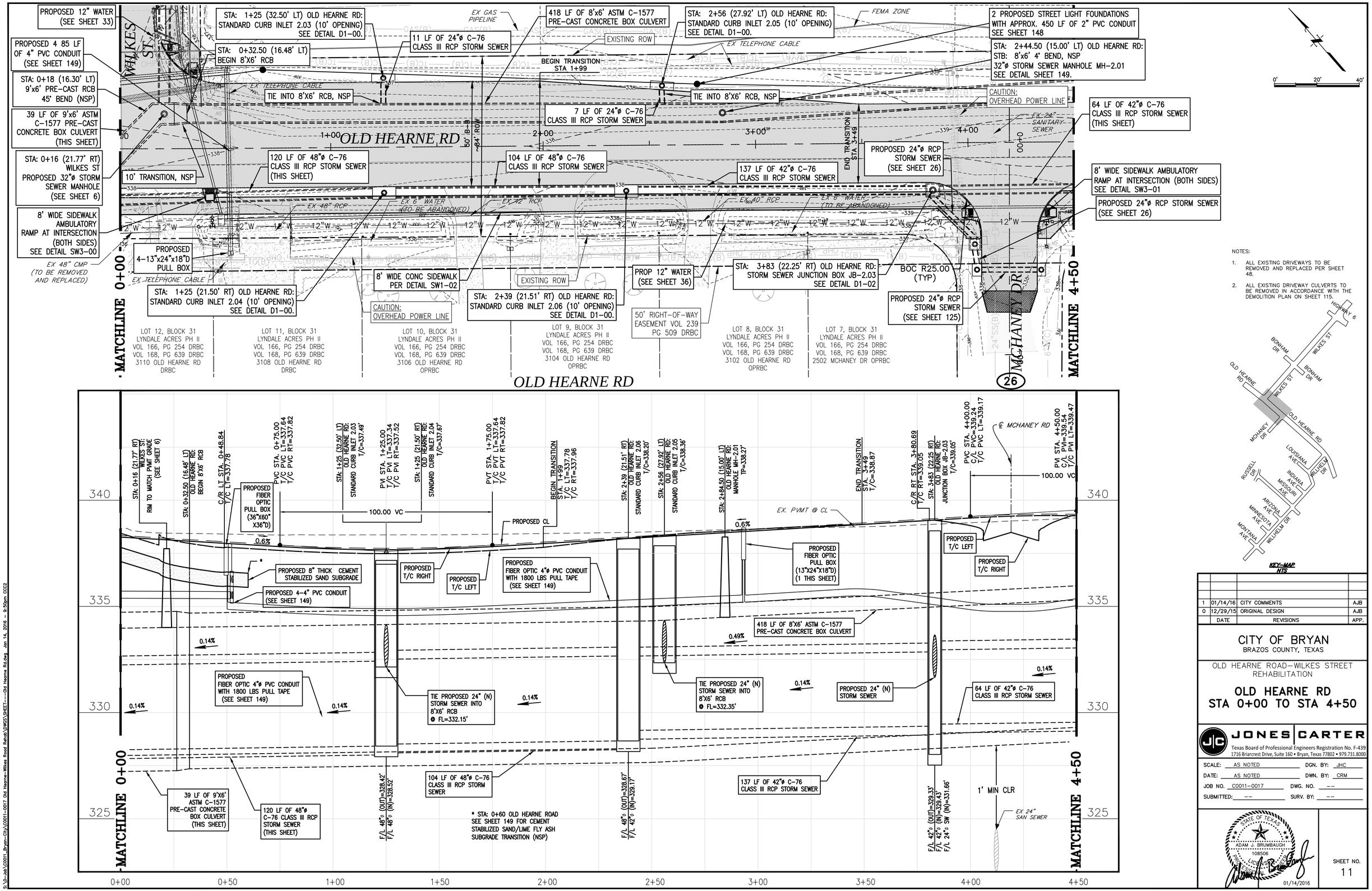
JONES|CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011-0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS ADAM J. BRUMBAUGH 108506 LICENSED PROFESSIONAL ENGINEER
01/14/2016

SHEET NO. 10

S:\Jobs\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Old Hearne Rd.dwg Jan 15, 2016 - 8:38am CCC2



1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

OLD HEARNE RD STA 0+00 TO STA 4+50

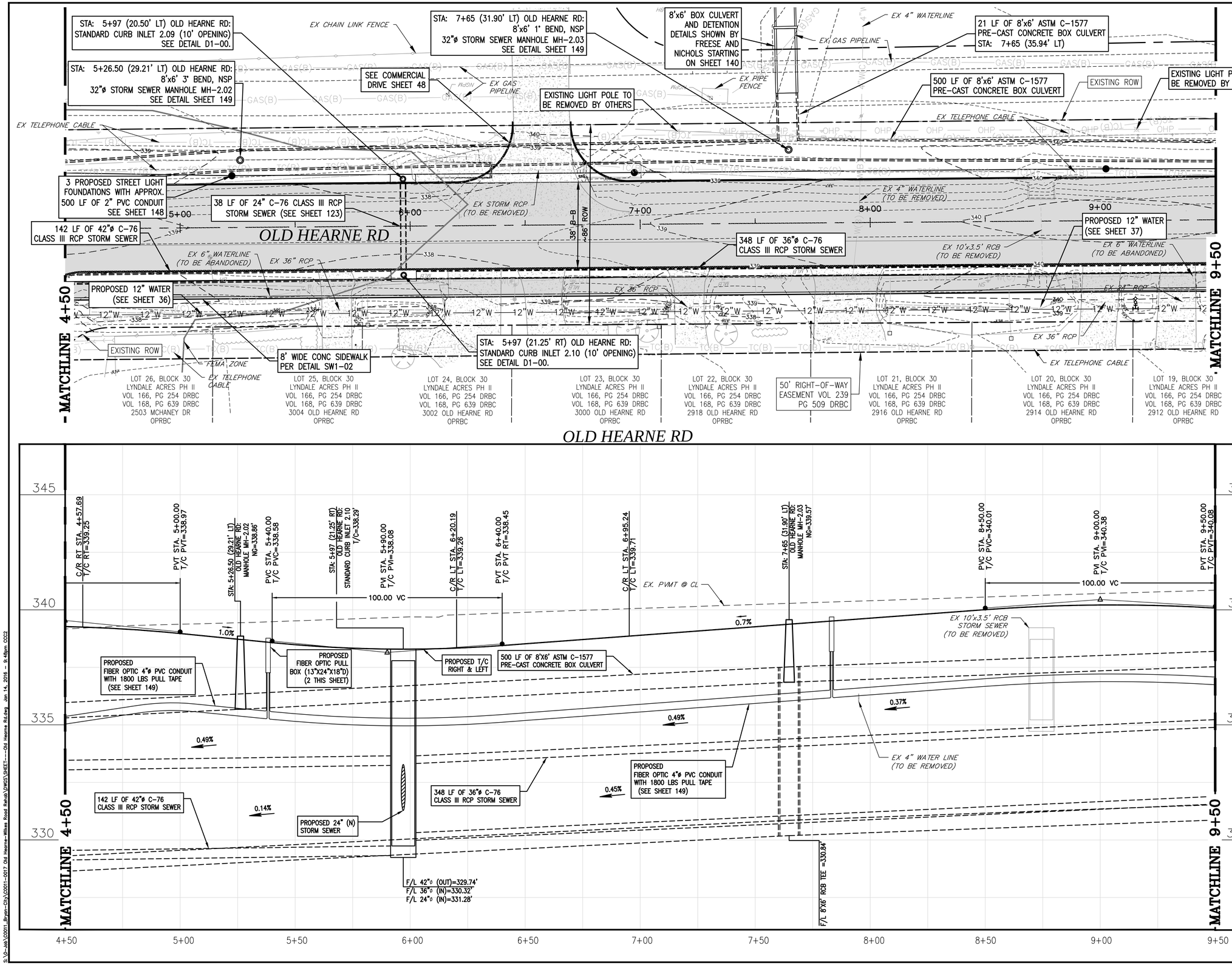
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED
DGN. BY: JHC
DATE: AS NOTED
DWN. BY: CRM
JOB NO. C0011-0017
DWG. NO. --
SUBMITTED: --
SURV. BY: --

STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED PROFESSIONAL ENGINEER
01/14/2016

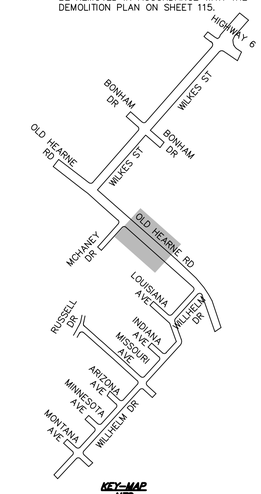
SHEET NO.
11

S:\JC-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET----Old Hearne Rd.dwg Jan 14, 2016 - 9:50pm CCC2



NOTES:

1. ALL EXISTING DRIVEWAYS TO BE REMOVED AND REPLACED PER SHEET 48.
2. ALL EXISTING DRIVEWAY CULVERTS TO BE REMOVED IN ACCORDANCE WITH THE DEMOLITION PLAN ON SHEET 115.



KEY-MAP
NTS

1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

OLD HEARNE ROAD STA 4+50 TO STA 9+50

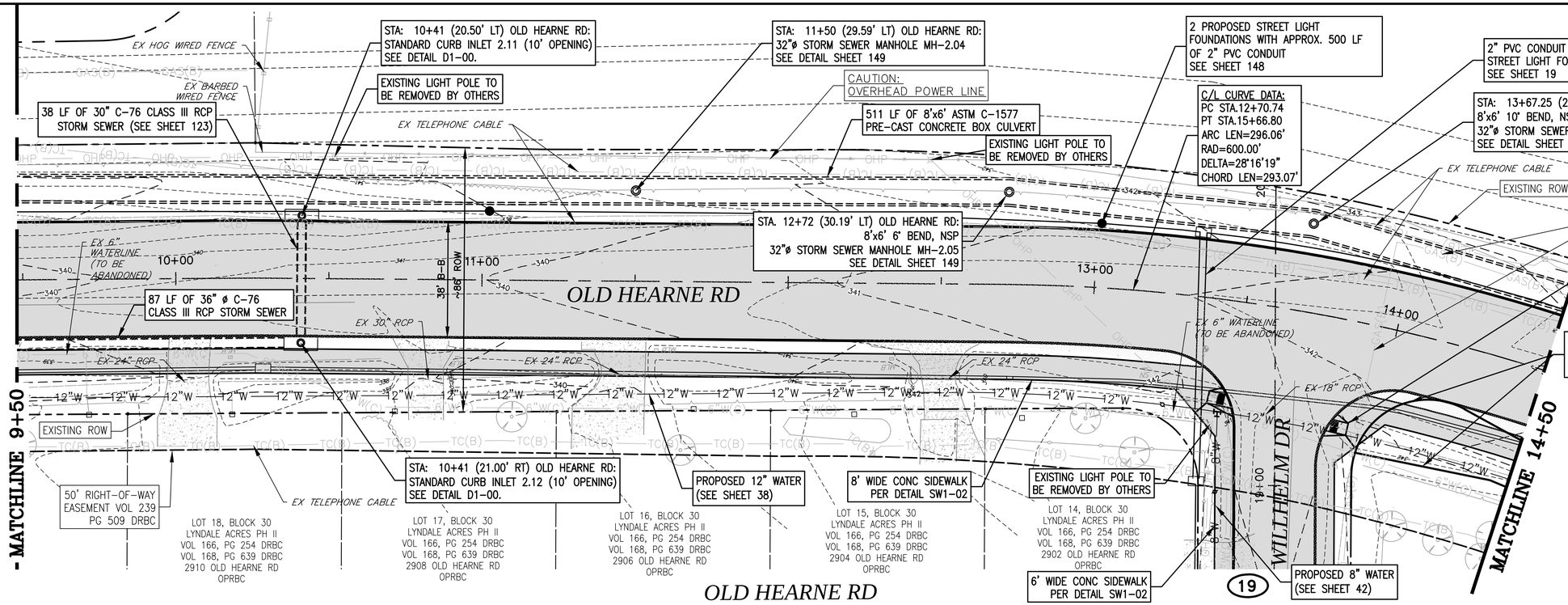
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011-0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
PROFESSIONAL LICENSE
01/14/2016

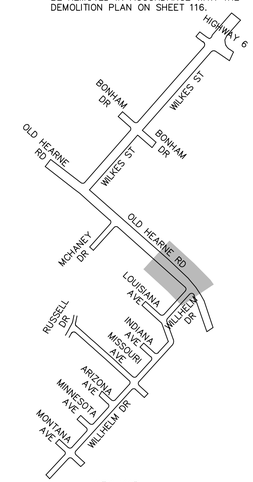
SHEET NO.
12

S:\Jc-lab\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET----Old Hearne Rd.dwg Jan 14, 2016 - 9:48pm CCC2

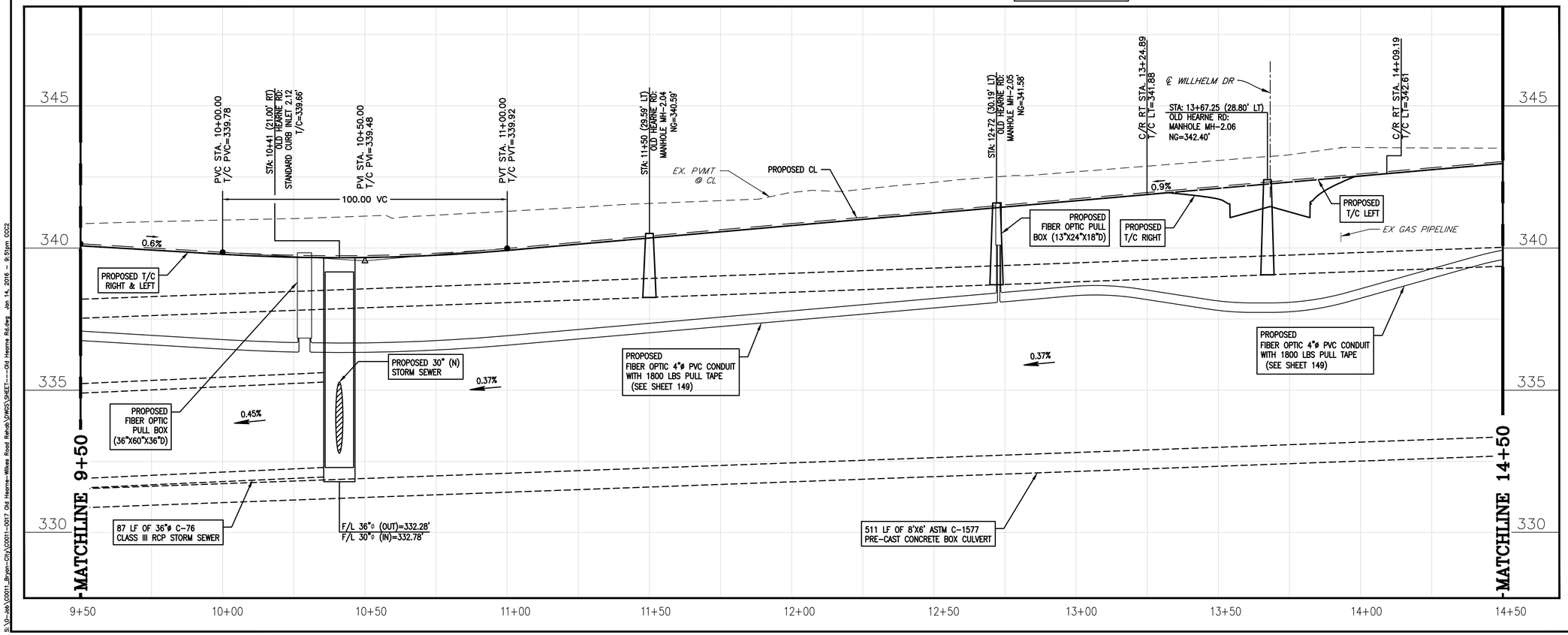


NOTES:

1. ALL EXISTING DRIVEWAYS TO BE REMOVED AND REPLACED PER SHEET 48.
2. ALL EXISTING DRIVEWAY CULVERTS TO BE REMOVED IN ACCORDANCE WITH THE DEMOLITION PLAN ON SHEET 116.



KEY-MAP NTS



1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

OLD HEARNE RD STA 9+50 TO 14+50

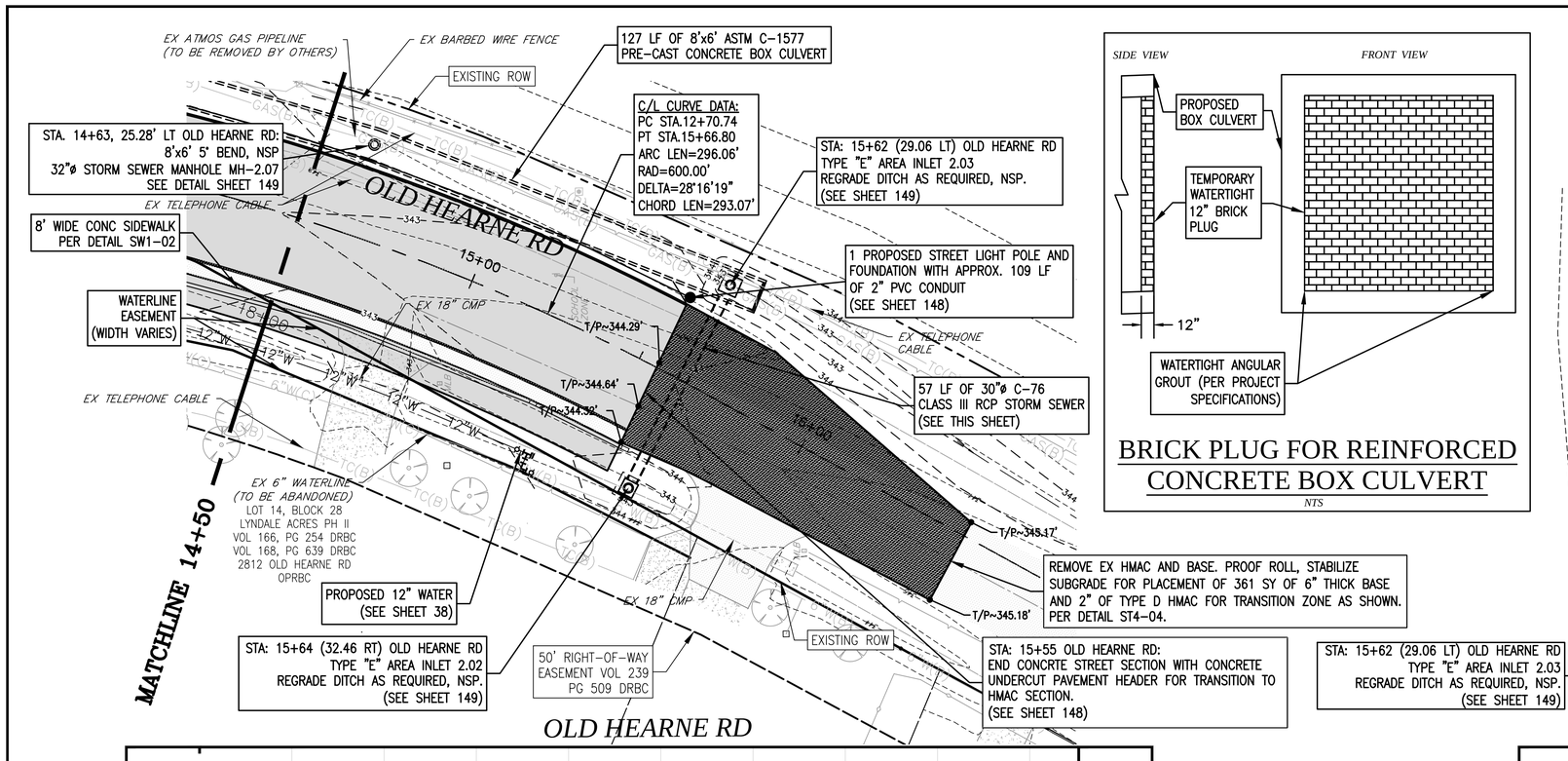
JONES|CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

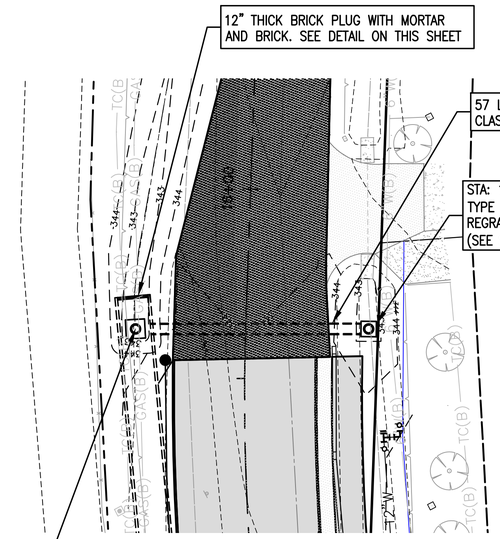
SHEET NO.
13

S:\Jc-Job\C0011_Bryan-CH\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET----Old Hearne Rd.dwg Jan 14, 2016 - 9:51pm CCC2



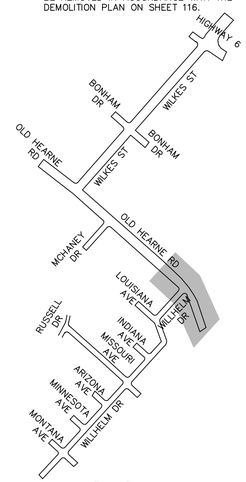
BRICK PLUG FOR REINFORCED CONCRETE BOX CULVERT

NTS

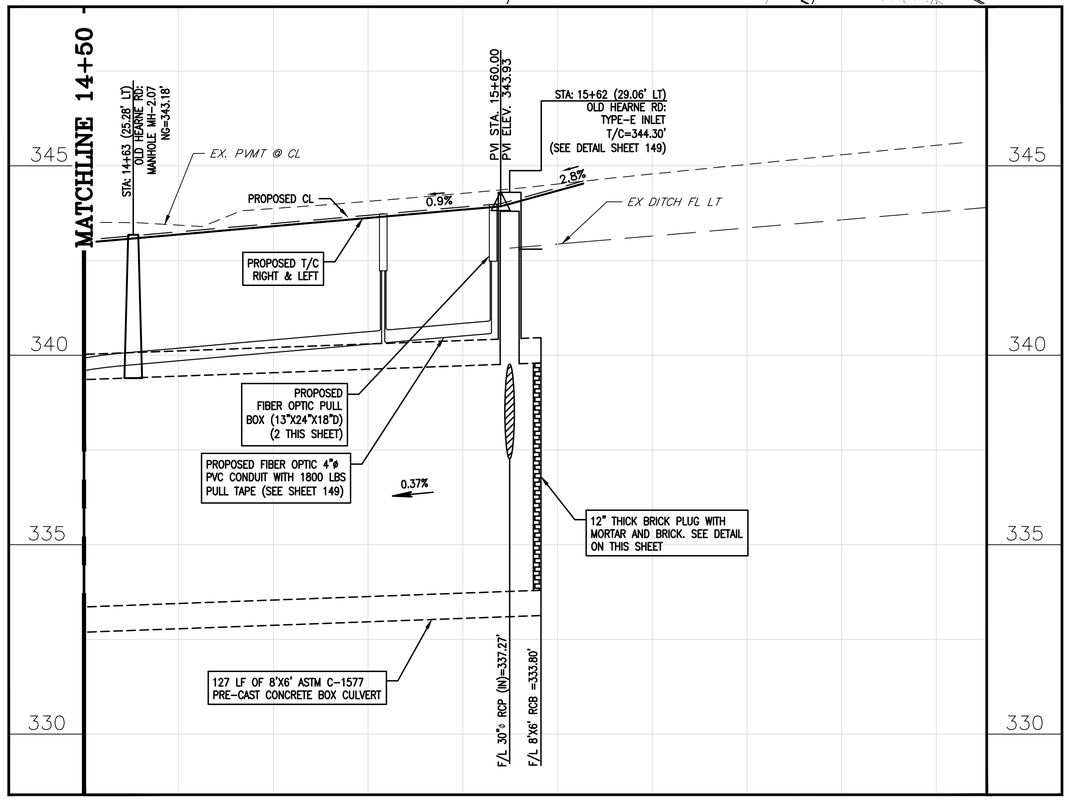


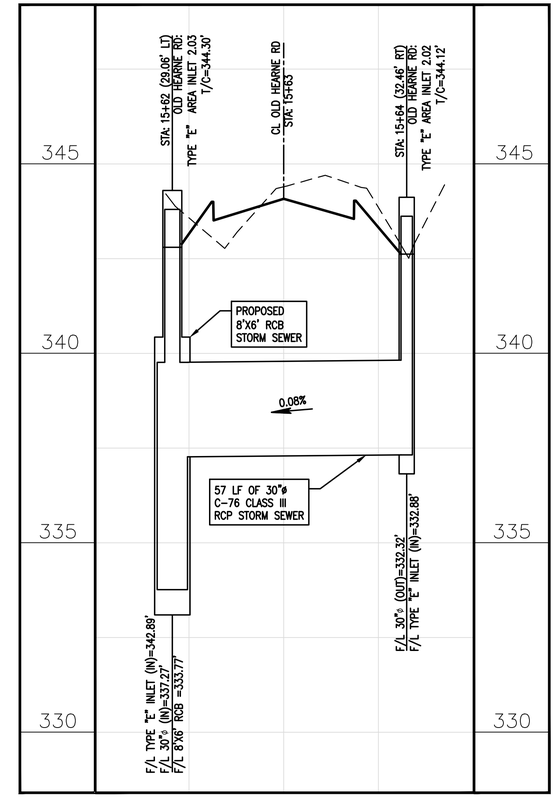
NOTES:

1. ALL EXISTING DRIVEWAYS TO BE REMOVED AND REPLACED PER SHEET 48.
2. ALL EXISTING DRIVEWAY CULVERTS TO BE REMOVED IN ACCORDANCE WITH THE DEMOLITION PLAN ON SHEET 116.



KEY-MAP
NTS





1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

OLD HEARNE RD STA 14+50 TO 16+51

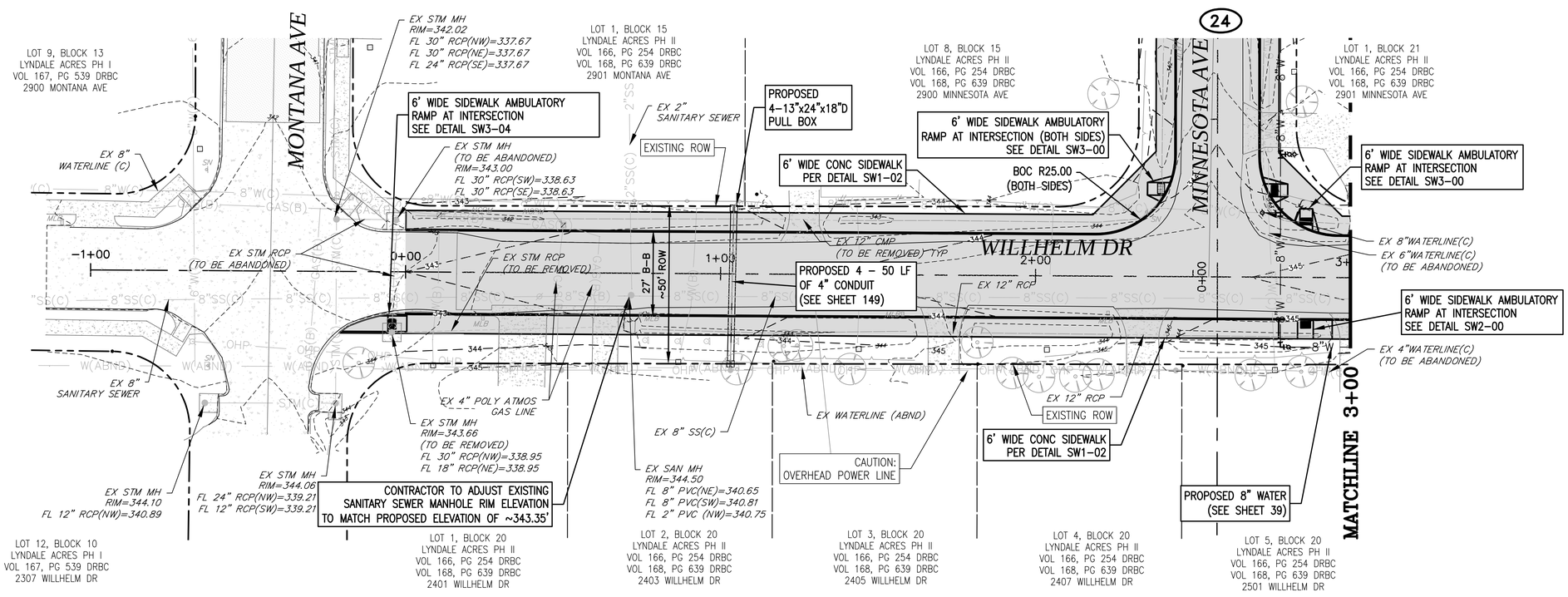
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011-0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

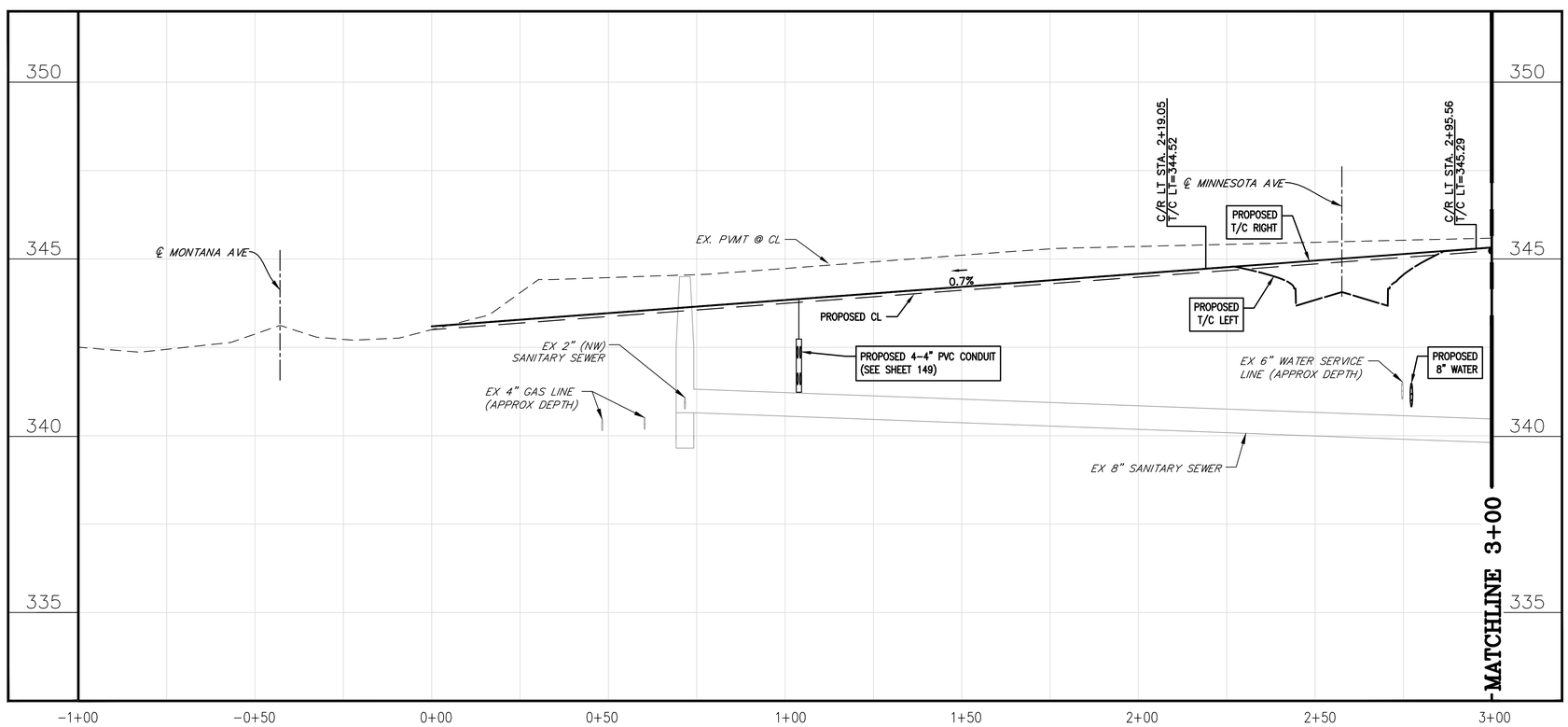
STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

SHEET NO.
14

S:\Jc-job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Old Hearne Rd.dwg Jan 14, 2016 - 9:54pm CC22

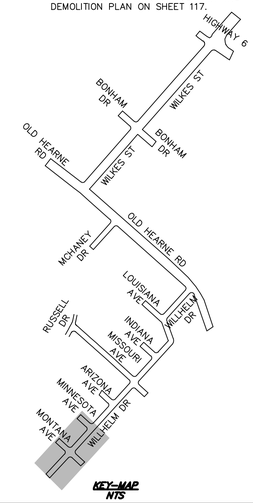


WILLHELM DR



NOTES:

1. ALL EXISTING DRIVEWAYS TO BE REMOVED AND REPLACED PER SHEET 50.
2. ALL EXISTING DRIVEWAY CULVERTS TO BE REMOVED IN ACCORDANCE WITH THE DEMOLITION PLAN ON SHEET 117.



1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

WILLHELM DR
STA 0+00 TO 3+00

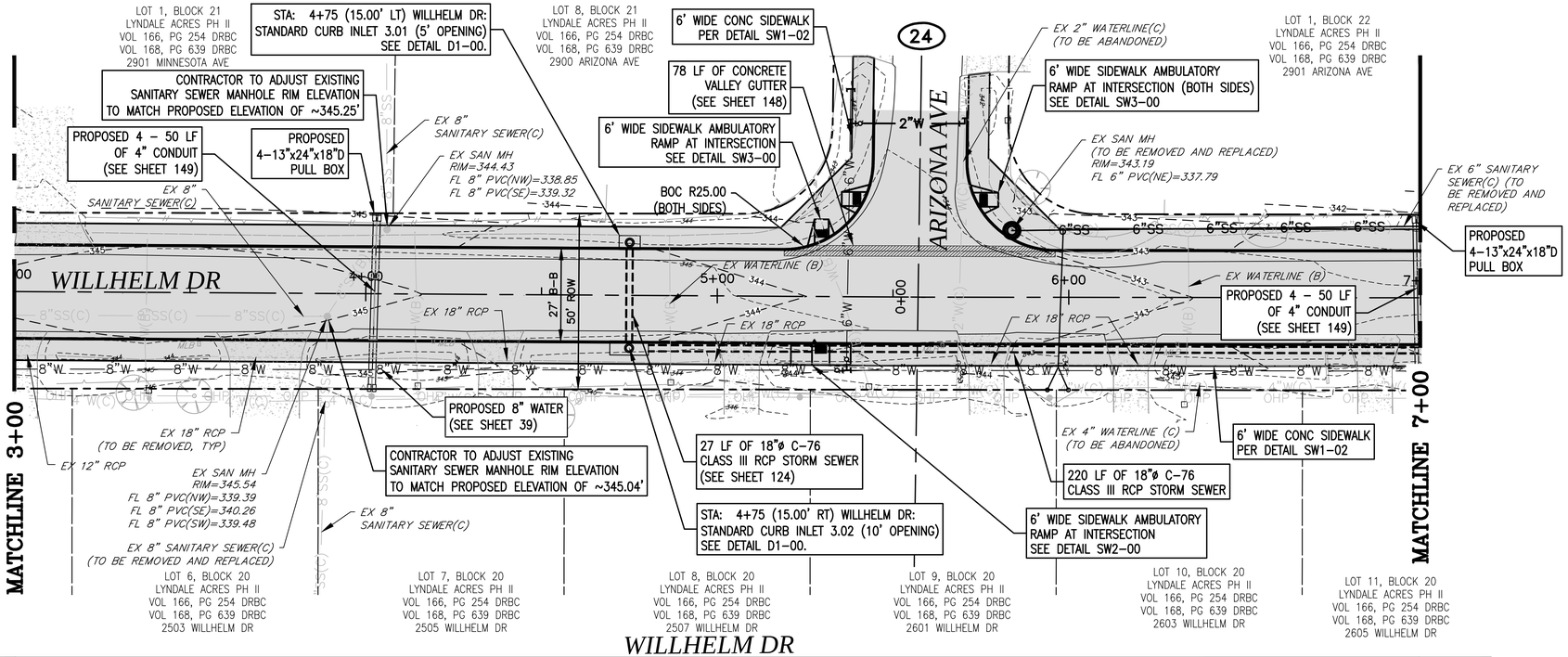
JONES|CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

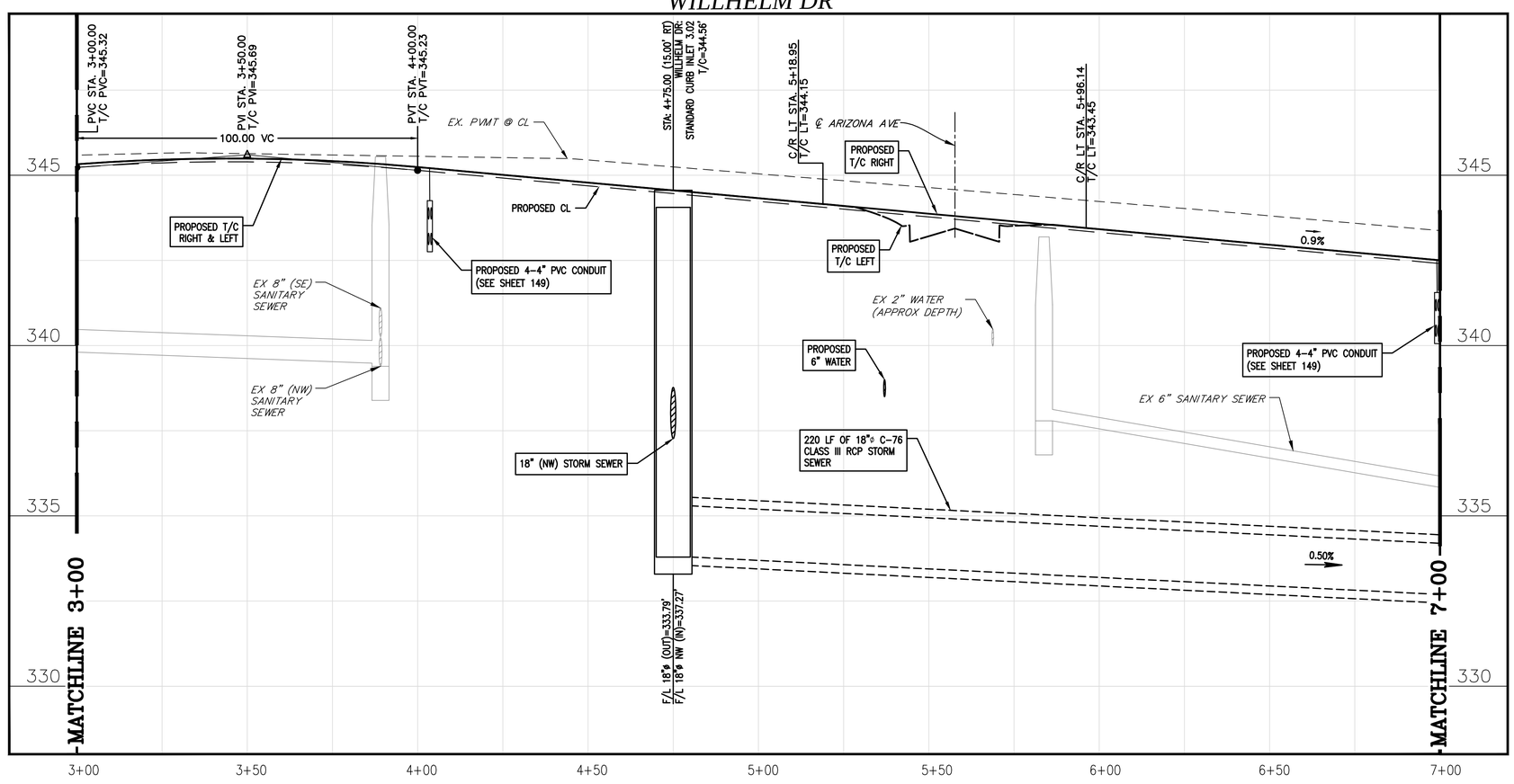
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED PROFESSIONAL ENGINEER
01/14/2016

SHEET NO.
15

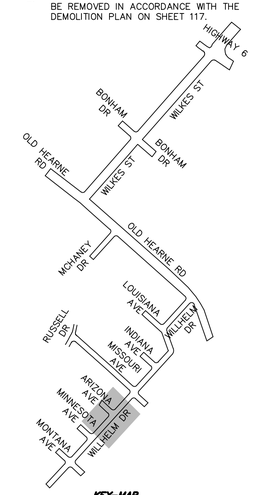
S:\C-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Willhelm Rd.dwg Jan 14, 2016 - 9:57pm CCC2





NOTES:

1. ALL EXISTING DRIVEWAYS TO BE REMOVED AND REPLACED PER SHEET 50.
2. ALL EXISTING DRIVEWAY CULVERTS TO BE REMOVED IN ACCORDANCE WITH THE DEMOLITION PLAN ON SHEET 117.



KEY-MAP
NTS

1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET
REHABILITATION

WILLHELM DR
STA 3+00 TO 7+00

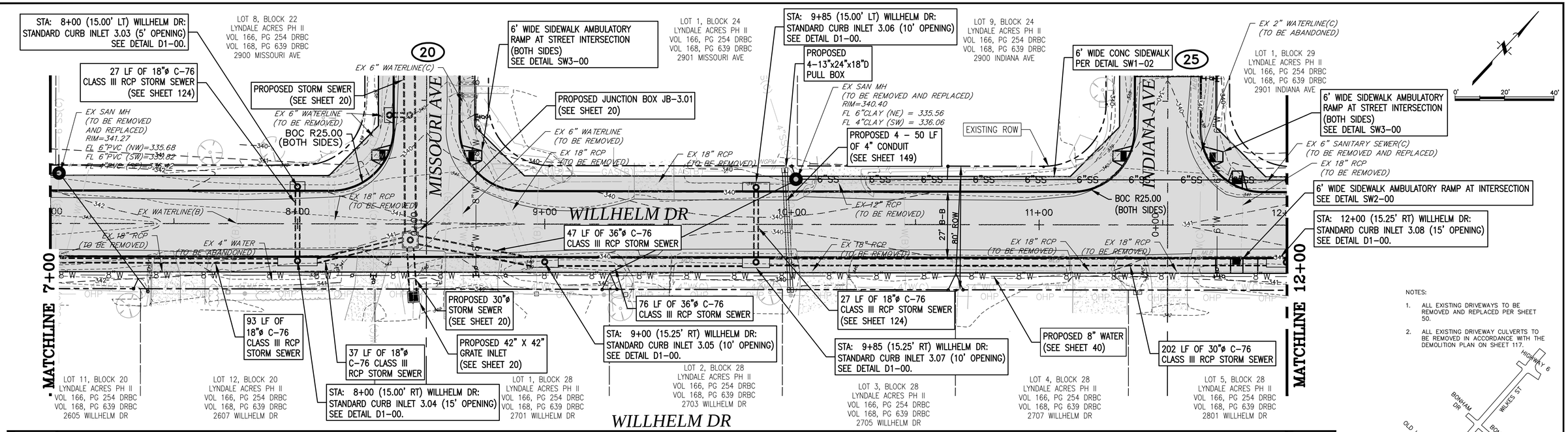
JONES|CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

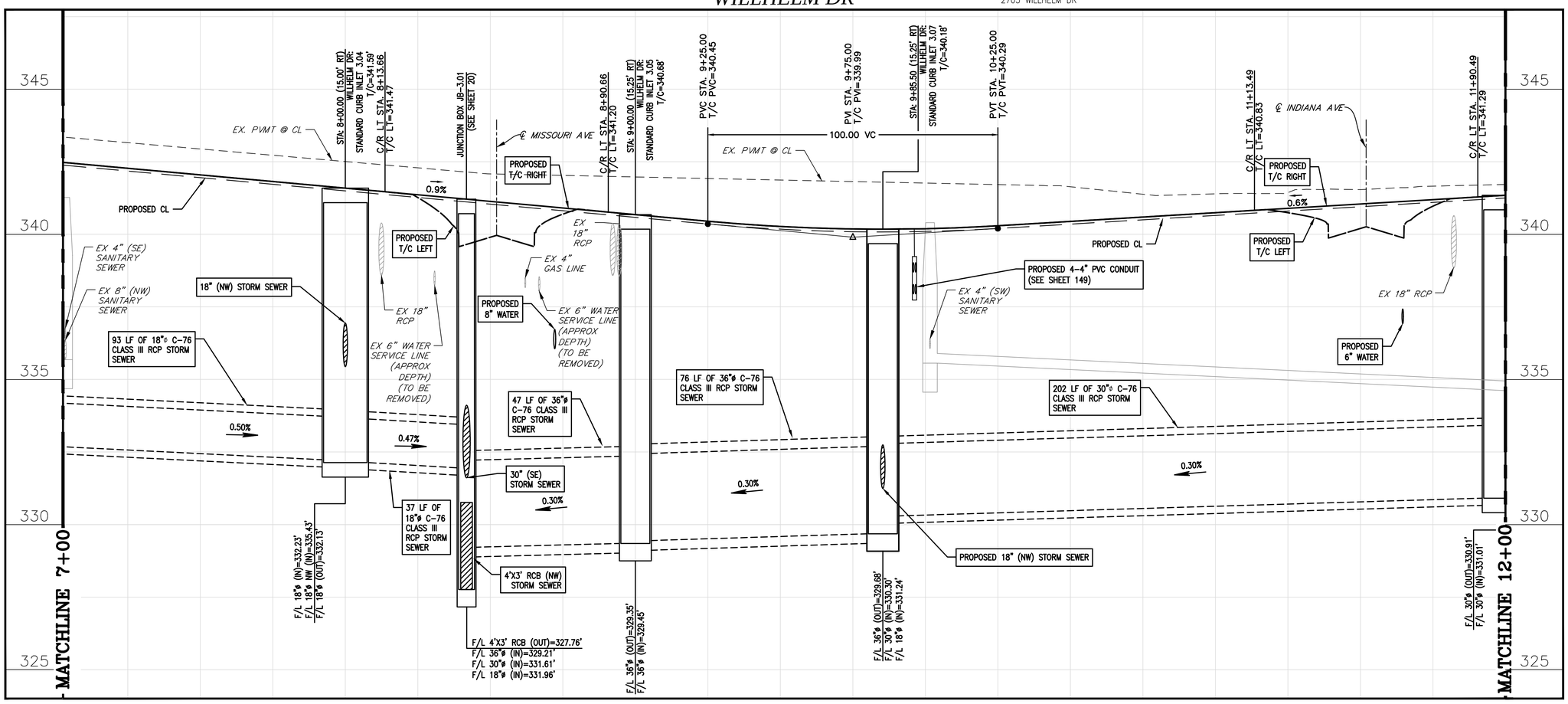
SHEET NO.
16

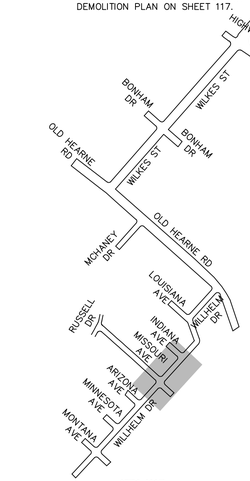
S:\Cl-Job\C0011_Bryan-CIP\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Willhelm Rd.dwg Jan 14, 2016 - 9:58am CCC2



NOTES:

1. ALL EXISTING DRIVEWAYS TO BE REMOVED AND REPLACED PER SHEET 50.
2. ALL EXISTING DRIVEWAY CULVERTS TO BE REMOVED IN ACCORDANCE WITH THE DEMOLITION PLAN ON SHEET 117.





KEY-MAP NTS

1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

WILLHELM DR
STA 7+00 TO 12+00

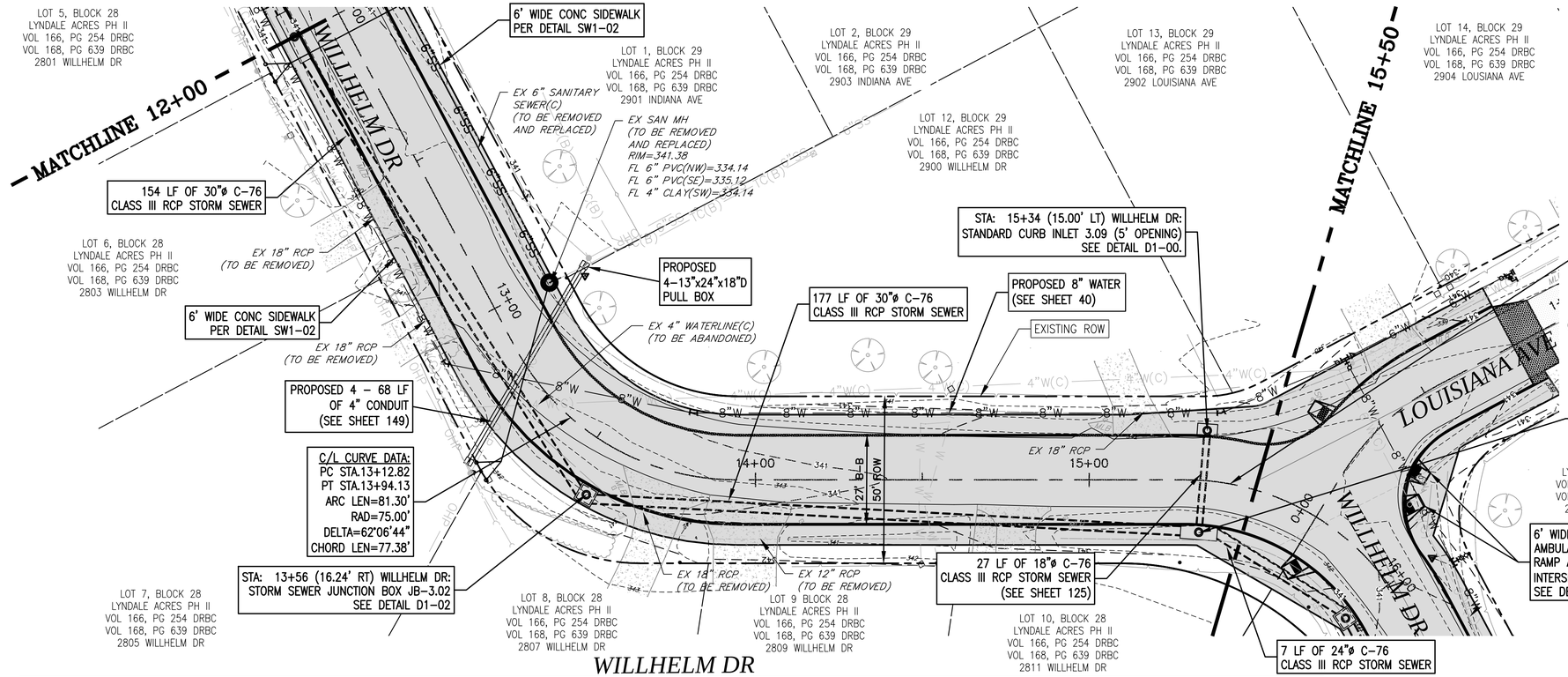
JONES|CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

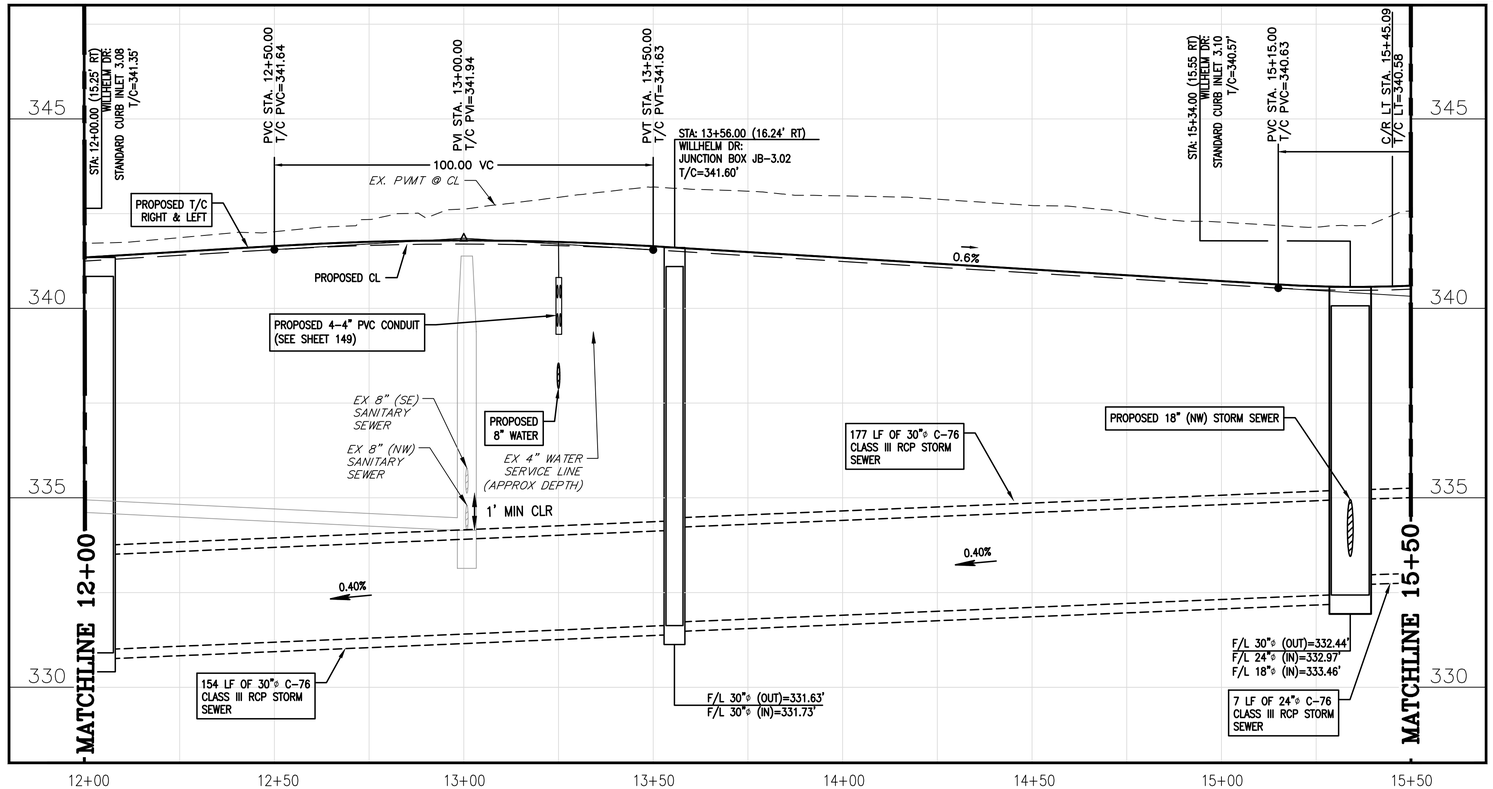
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS ADAM J. BRUMBAUGH 108506 LICENSED PROFESSIONAL ENGINEER
01/14/2016

SHEET NO. 17

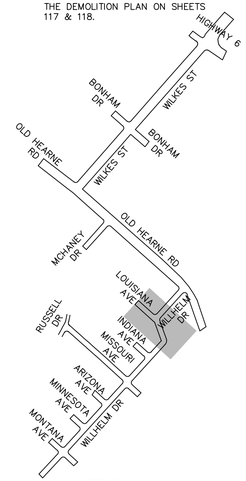
S:\Jobs\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Willhelm Rd.dwg Jan 15, 2016 - 8:06am CCC2





NOTES:

1. ALL EXISTING DRIVEWAYS TO BE REMOVED AND REPLACED PER SHEET 50.
2. ALL EXISTING DRIVEWAY CULVERTS TO BE REMOVED IN ACCORDANCE WITH THE DEMOLITION PLAN ON SHEETS 117 & 118.



KEY-MAP
NTS

1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET
REHABILITATION

WILLHELM DR
STA 12+00 TO 15+50

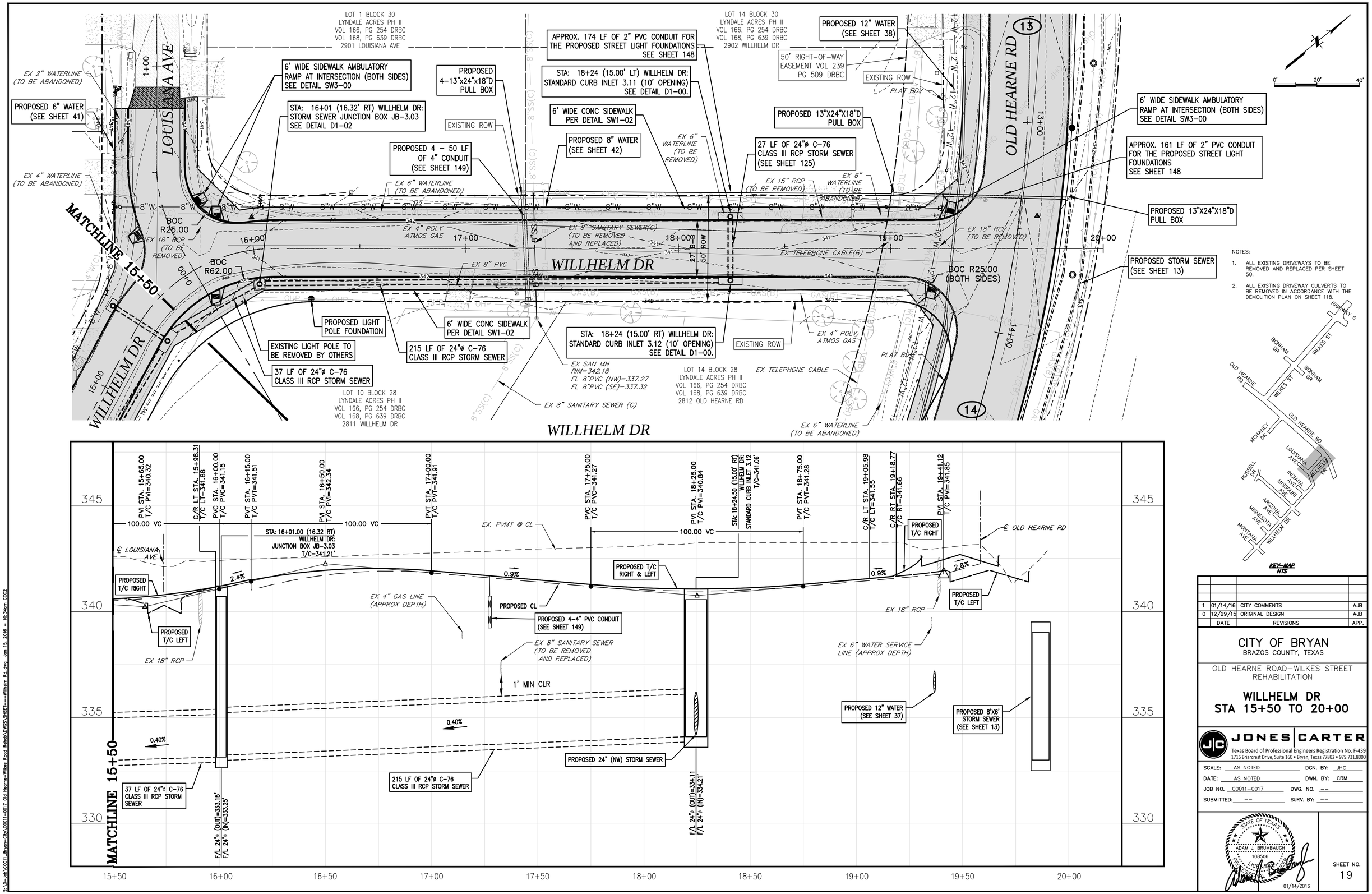
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011-0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

SHEET NO.
18

S:\JC-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Willhelm Rd.dwg Jan 14, 2016 - 10:01pm CCC2



1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

WILLHELM DR
STA 15+50 TO 20+00

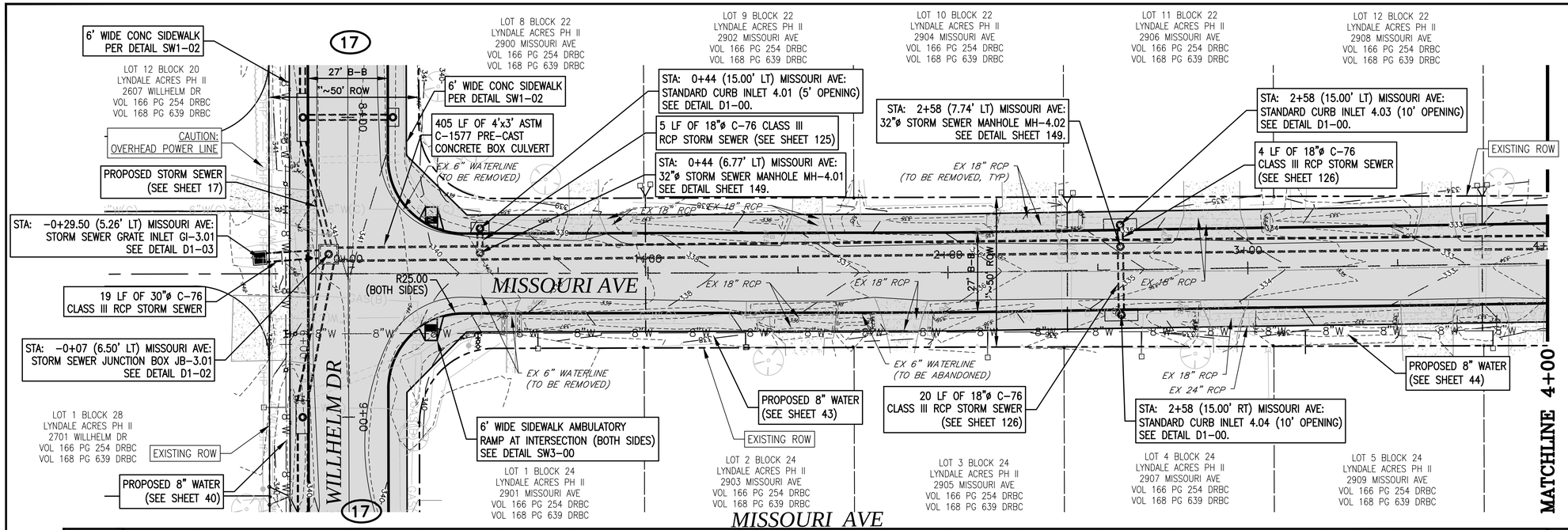
JONES|CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

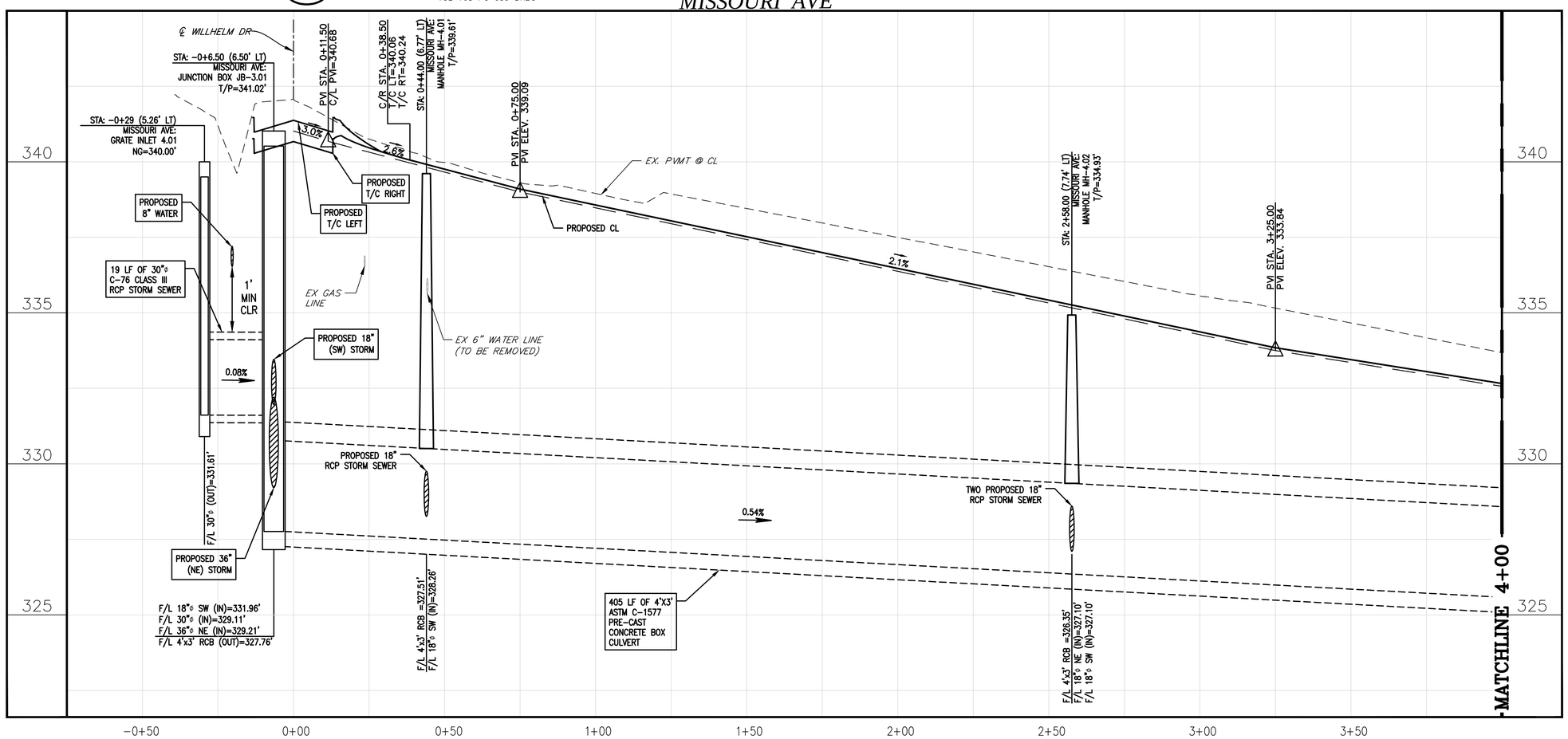
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

SHEET NO.
19

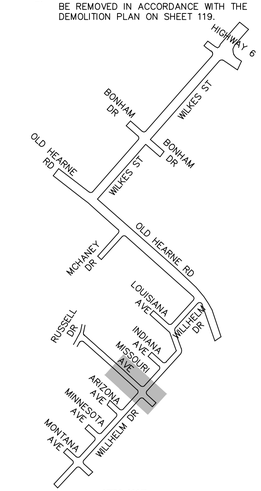
S:\Jc-Job\C0011_Bryan-CIV\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Willhelm Rd.dwg Jan 15, 2016 - 10:34am CCC2





NOTES:

1. ALL EXISTING DRIVEWAYS TO BE REMOVED AND REPLACED PER SHEET 50.
2. ALL EXISTING DRIVEWAY CULVERTS TO BE REMOVED IN ACCORDANCE WITH THE DEMOLITION PLAN ON SHEET 119.



KEY-MAP
NTS

1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

MISSOURI AVE
STA 0+00 TO STA 4+00

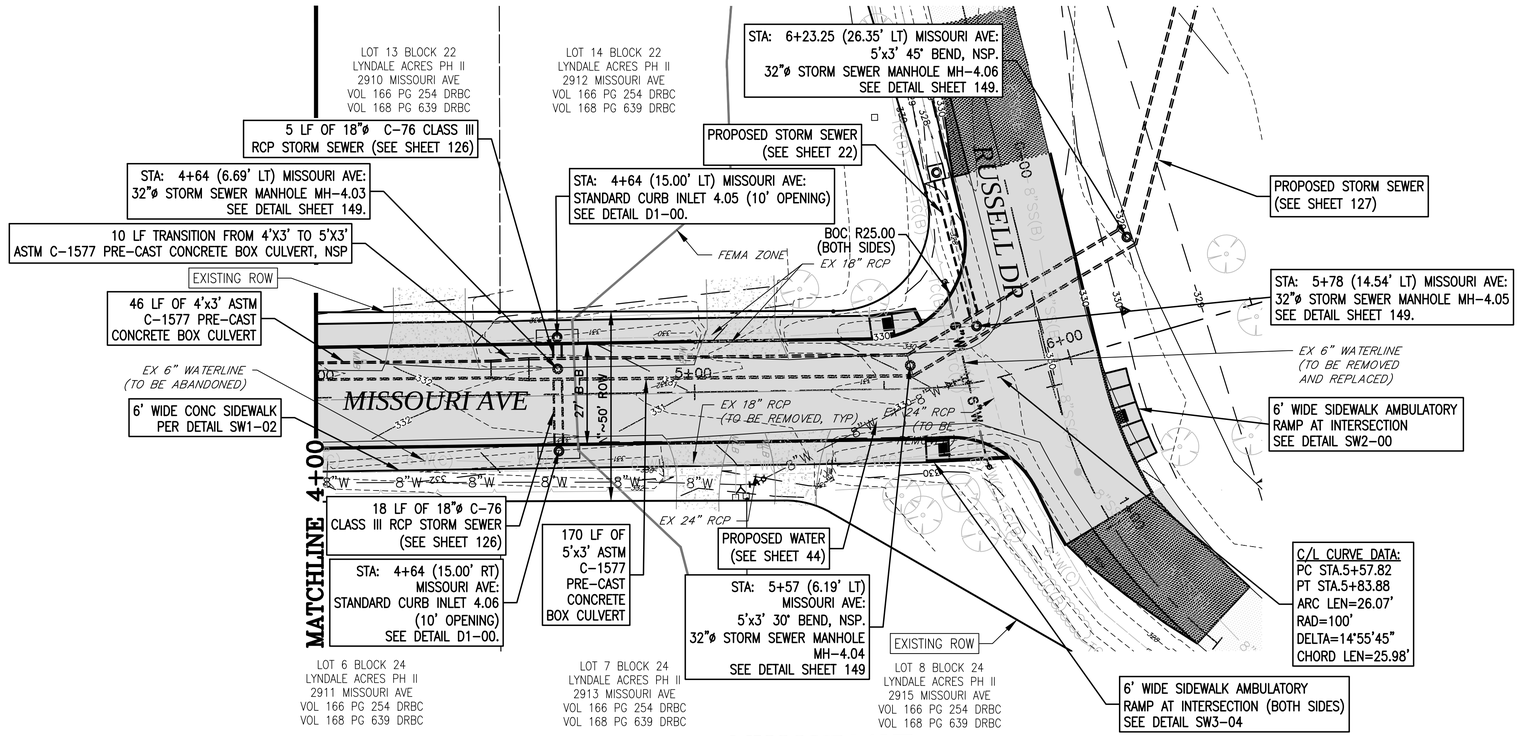
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CMR
JOB NO. C0011–0017 DWG. NO.
SUBMITTED: -- SURV. BY:

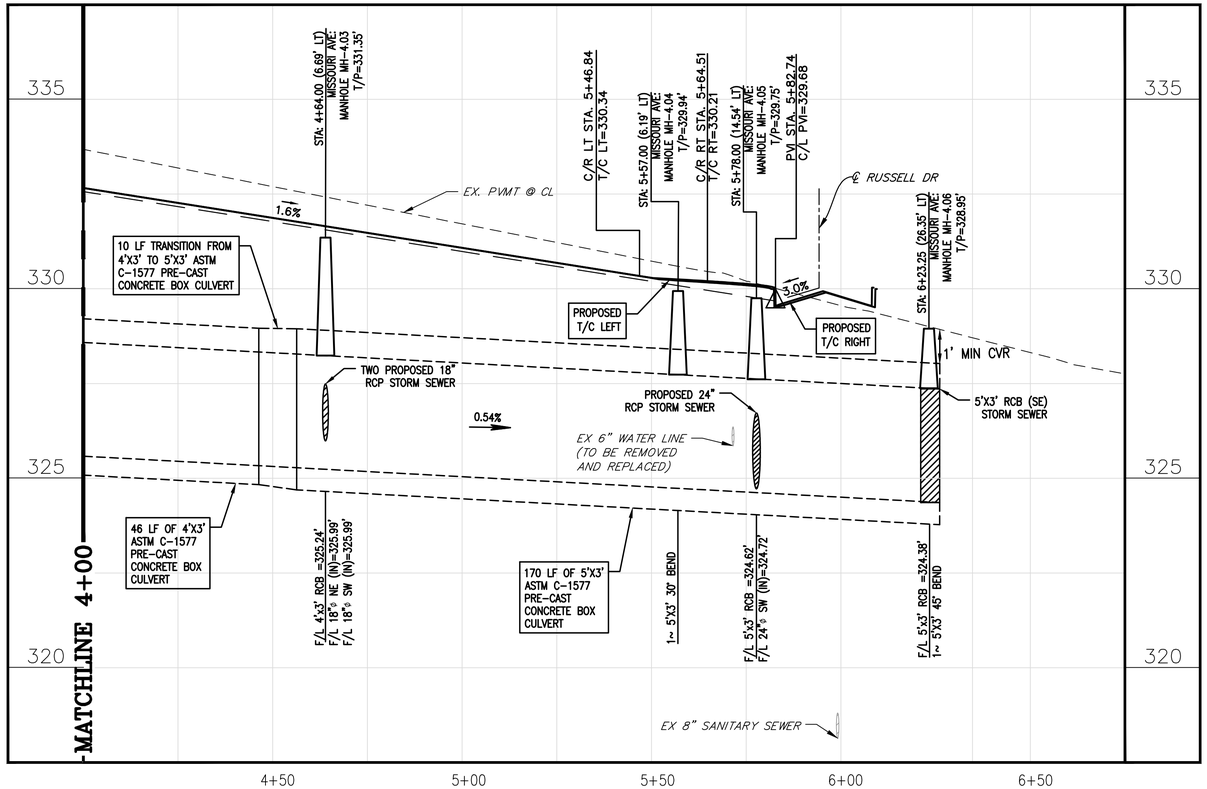
STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

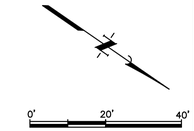
SHEET NO.
20

S:\Jc-lab\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Missouri.dwg Jan 15, 2016 - 8:01am CCC2



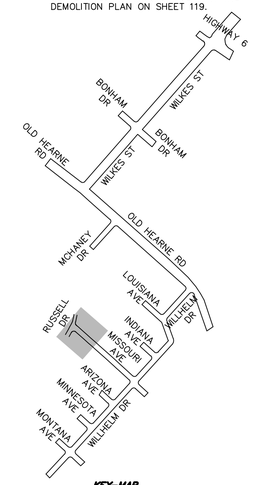
MISSOURI AVE





NOTES:

1. ALL EXISTING DRIVEWAYS TO BE REMOVED AND REPLACED PER SHEET 50.
2. ALL EXISTING DRIVEWAY CULVERTS TO BE REMOVED IN ACCORDANCE WITH THE DEMOLITION PLAN ON SHEET 119.



KEY-MAP
NTS

1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET
REHABILITATION

MISSOURI AVE
STA 4+00 TO STA 6+50

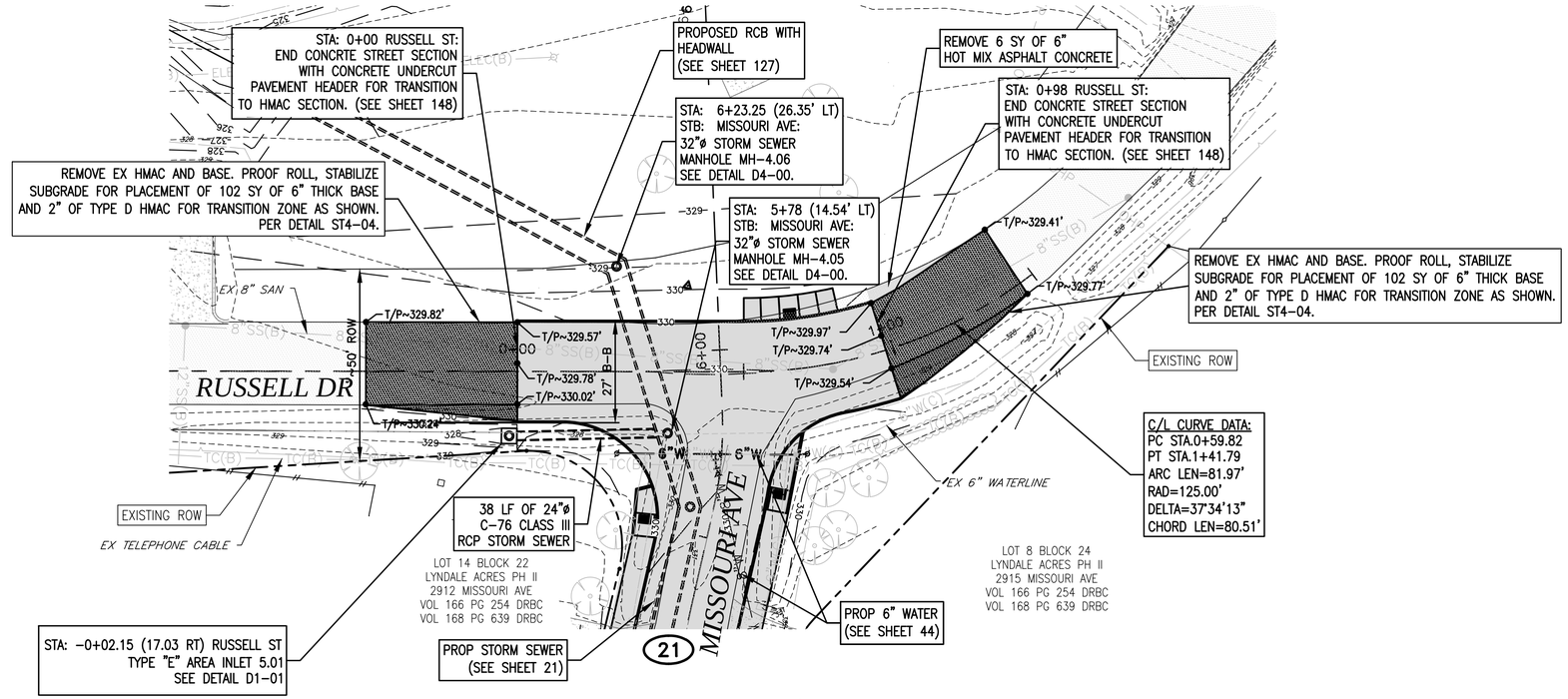
JONES|CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

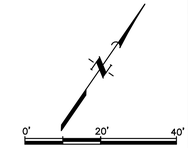
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CMR
JOB NO. C0011–0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

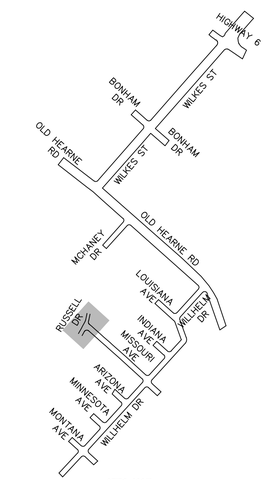
STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

SHEET NO.
21

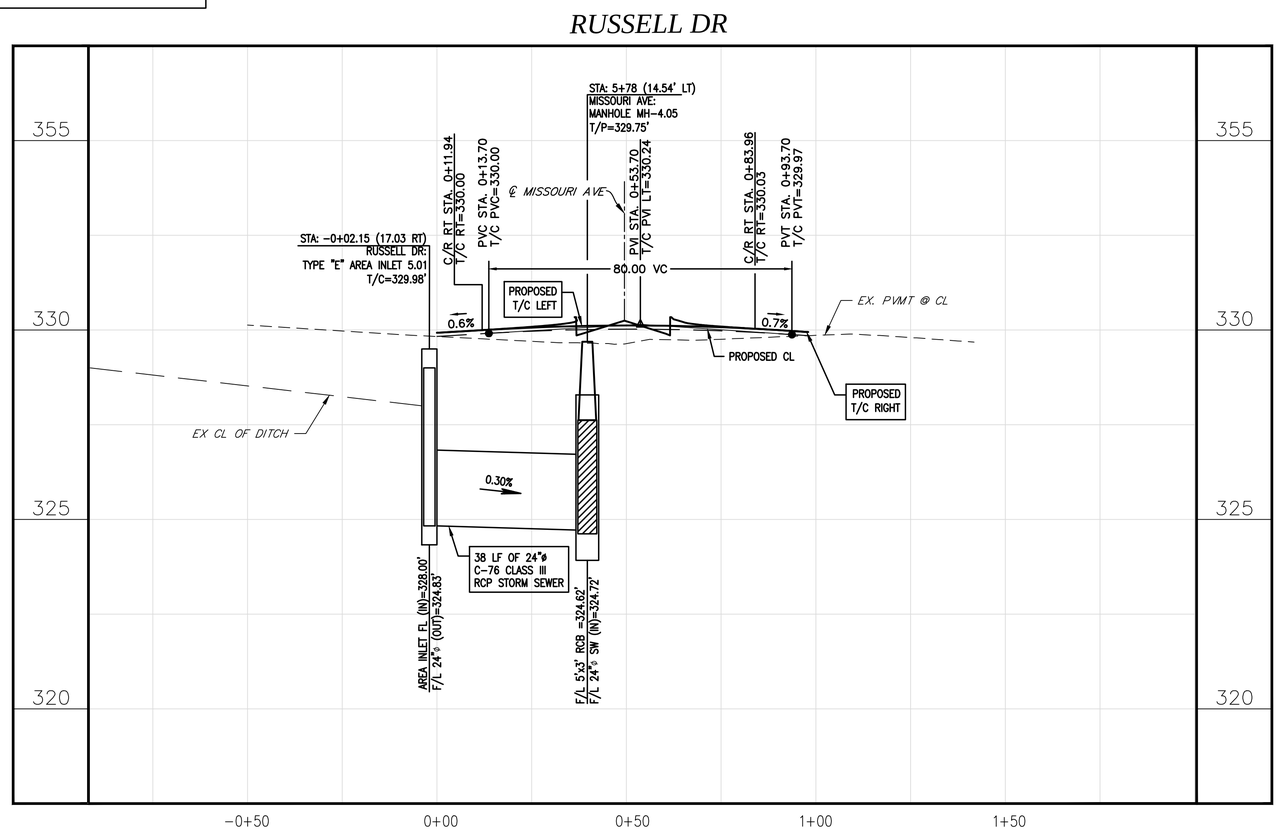
S:\Cl-Job\C0011_Bryan-CIV\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Missouri.dwg Jan 14, 2016 - 10:06pm CCC2







KEY-MAP
NTS



1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET
REHABILITATION

RUSSELL DR
STA –0+60 TO STA 1+42

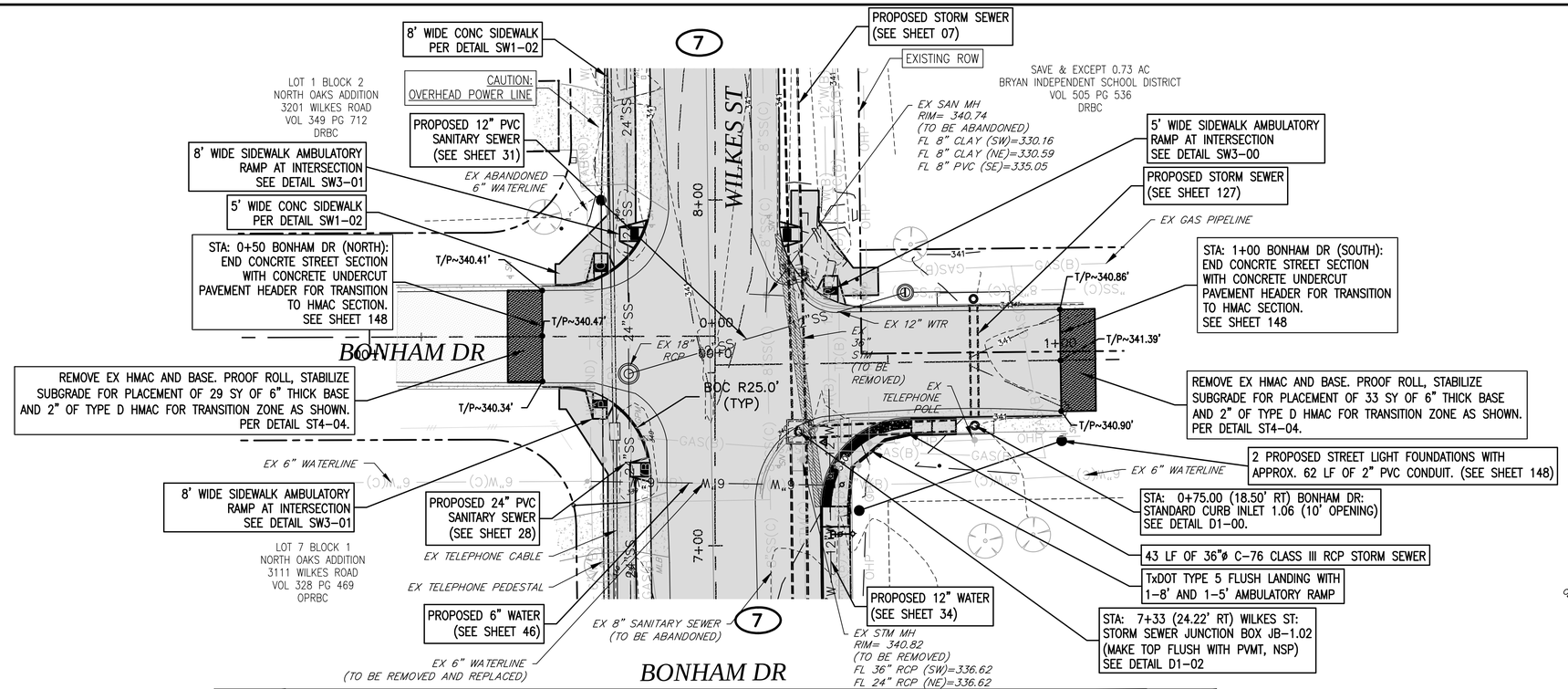
JONES|CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

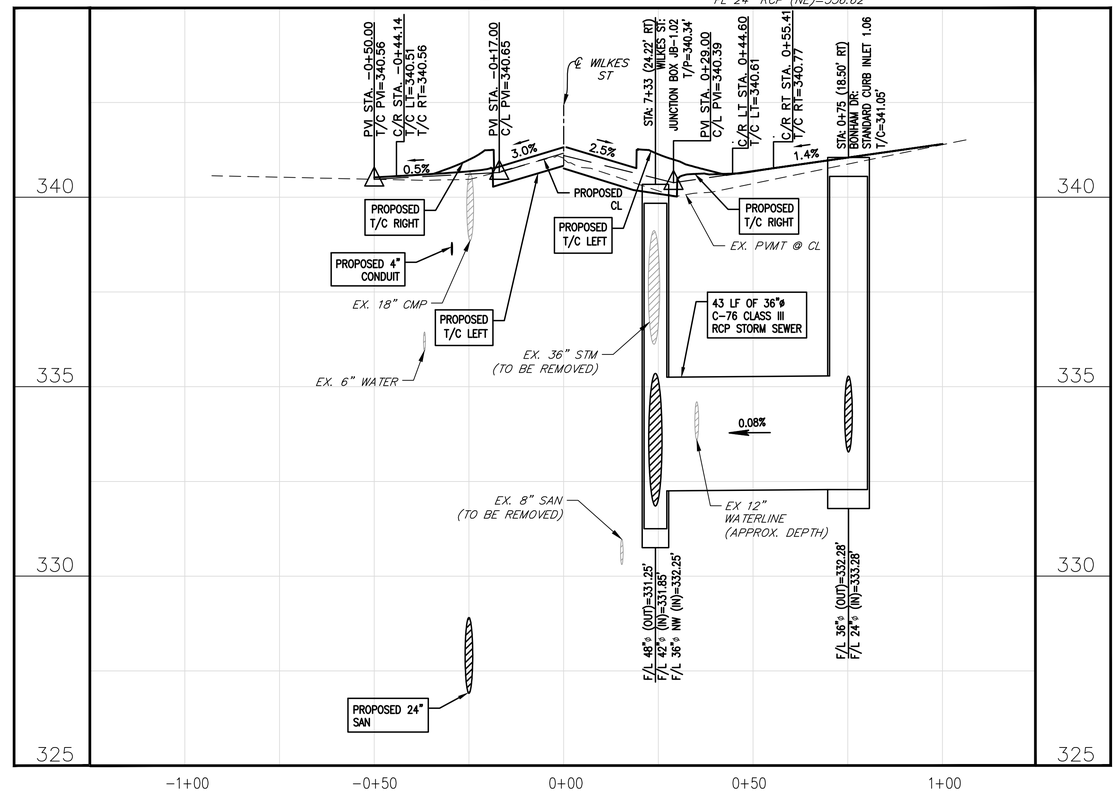
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CMR
JOB NO. C0011–0017 DWG. NO.
SUBMITTED: -- SURV. BY:

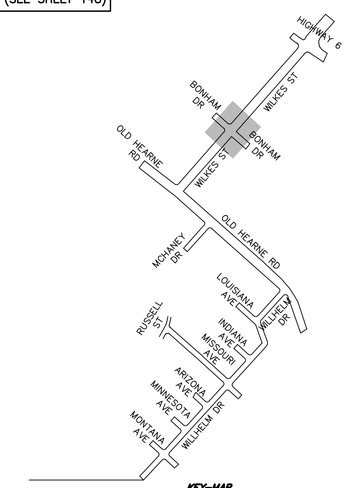
STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
PROFESSIONAL LICENSED
01/14/2016

SHEET NO.
22

S:\Cl-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Russell.dwg Jan 14, 2016 - 10:08pm CCC2







DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

BONHAM DR
STA 0+00 TO 0+85 &
STA 0+00 TO 1+00

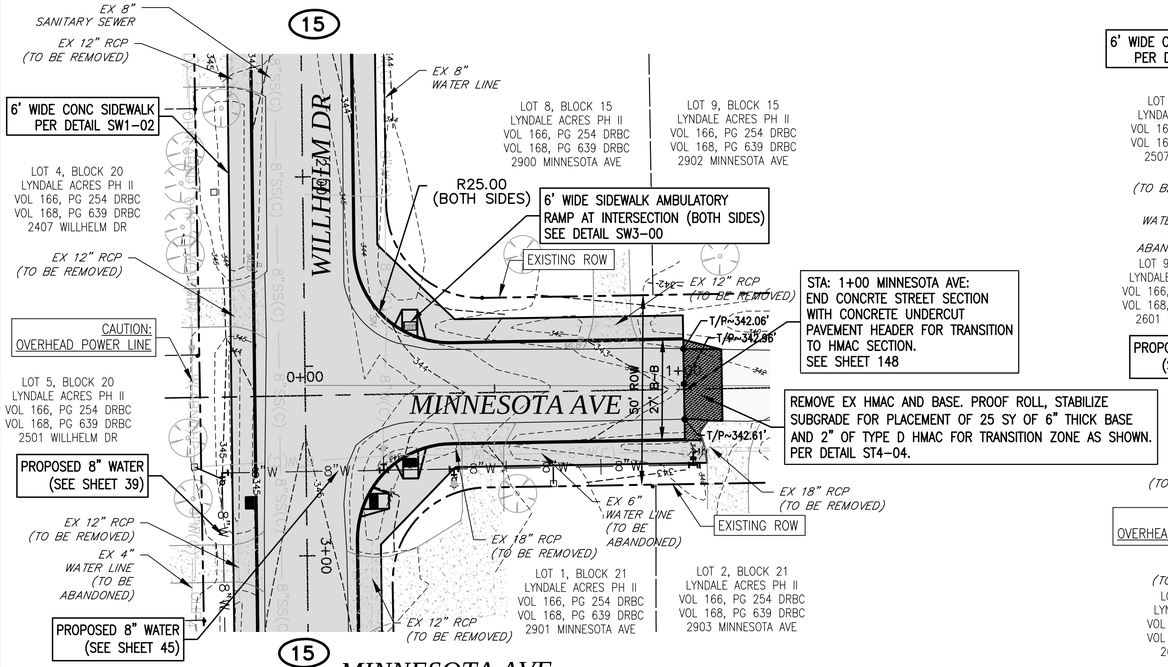
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

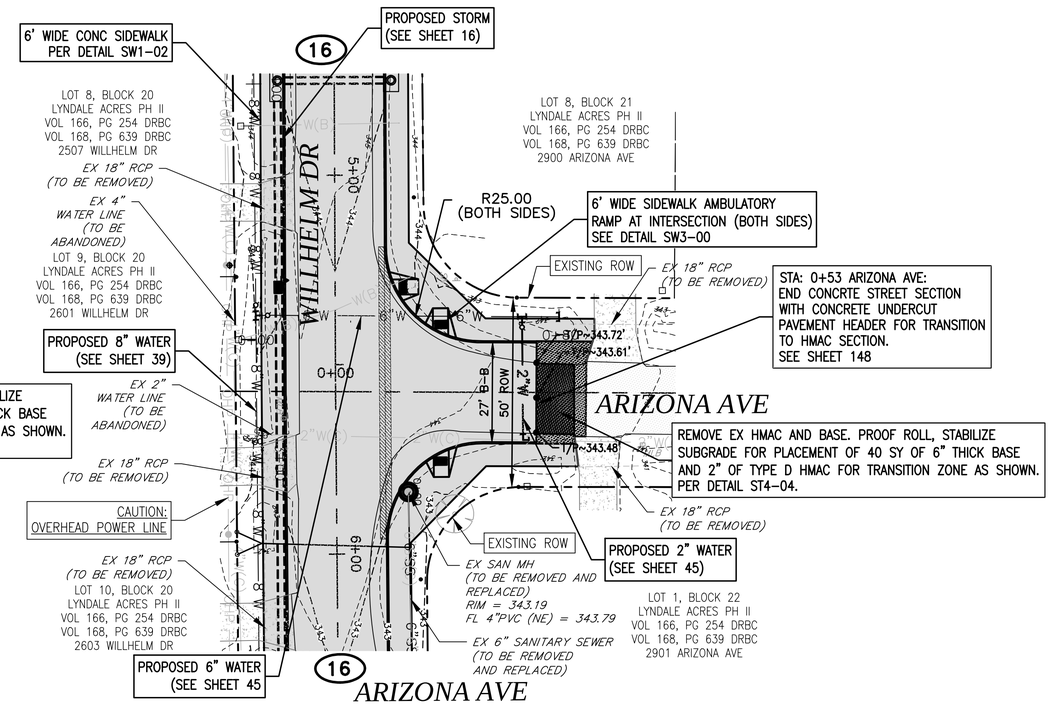
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011-0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

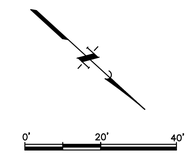
STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
23

\\JCCS\where1\O-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Bonham Dr.dwg Jan 04, 2016 - 10:07am JHC

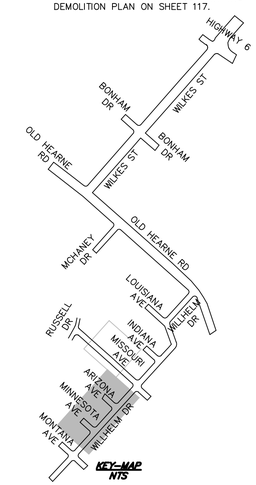


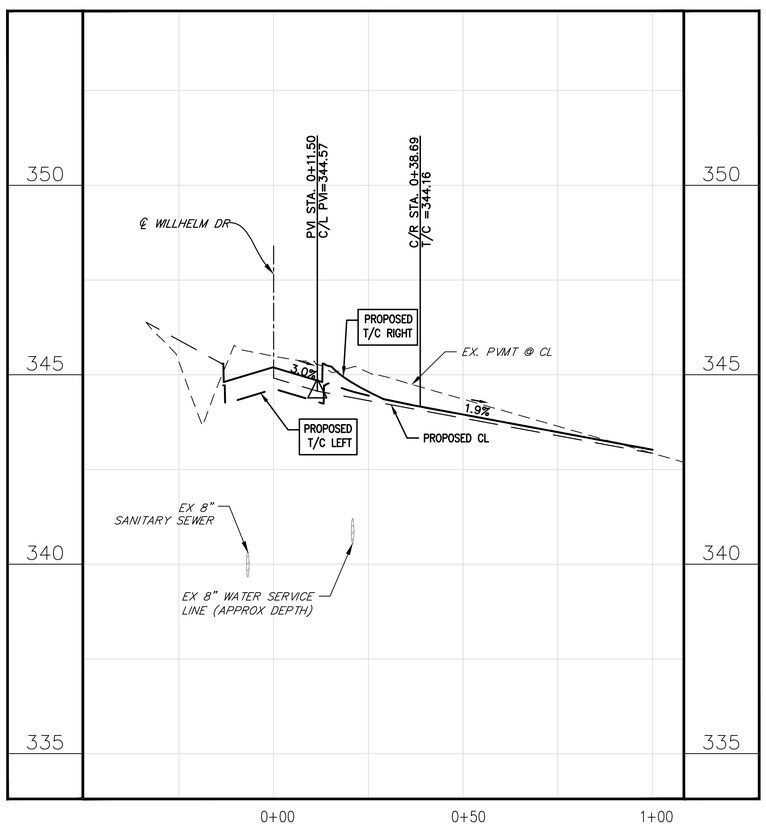


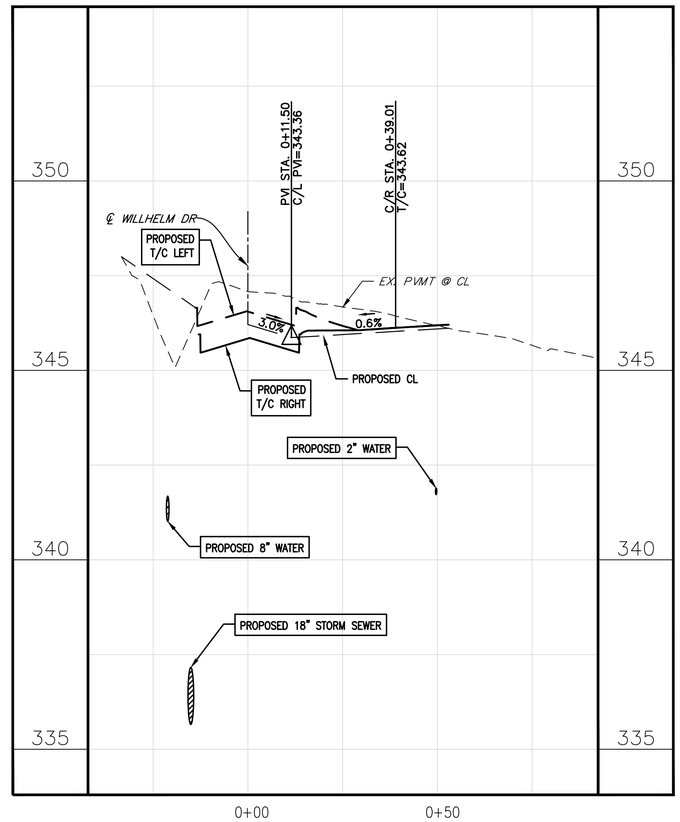


NOTES:

1. ALL EXISTING DRIVEWAYS TO BE REMOVED AND REPLACED PER SHEET 50.
2. ALL EXISTING DRIVEWAY CULVERTS TO BE REMOVED IN ACCORDANCE WITH THE DEMOLITION PLAN ON SHEET 117.







1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

MINNESOTA AVE & ARIZONA AVE
STA 0+00 TO 1+00 & STA 0+00 TO 0+60

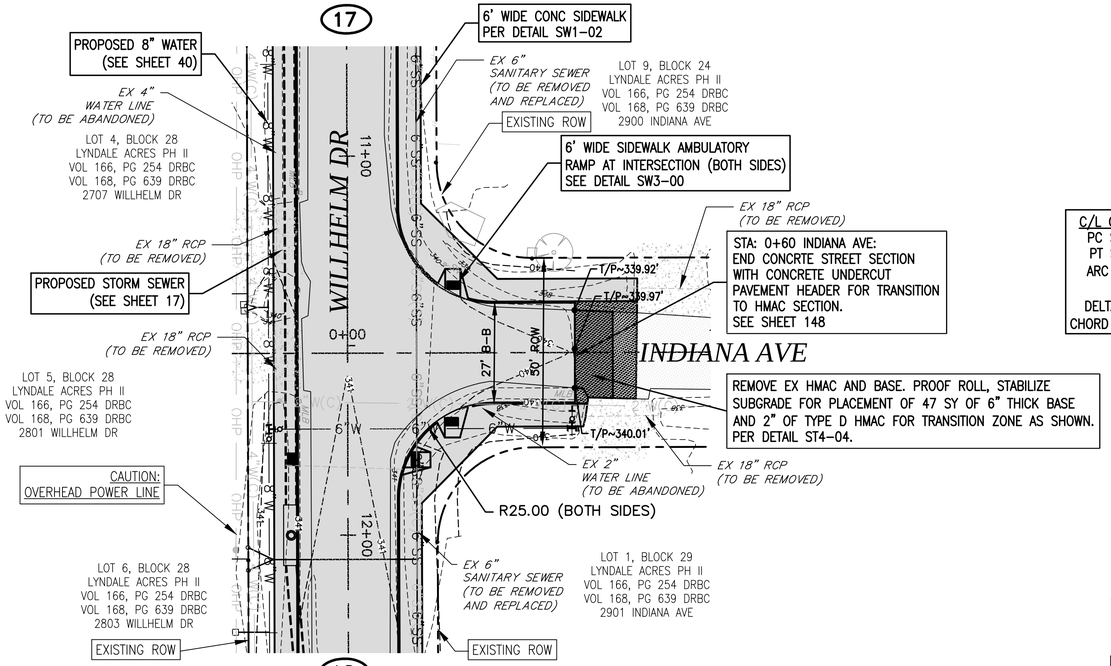
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

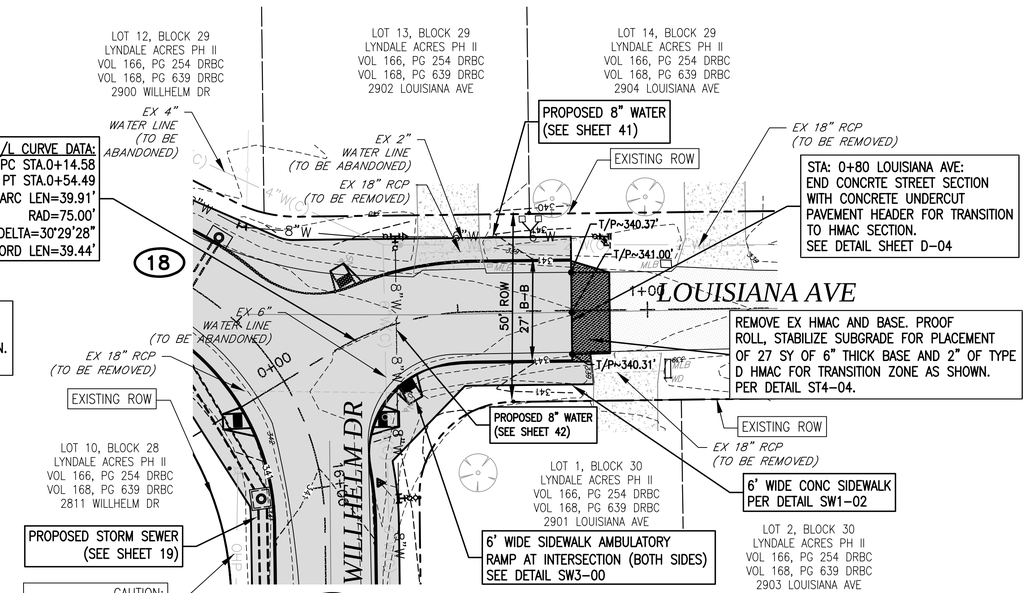
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CMR
JOB NO. C0011–0017 DWG. NO.
SUBMITTED: -- SURV. BY: --

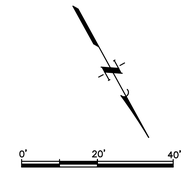
STATE OF TEXAS
ADAM J. BRUMBAUGH
PROFESSIONAL LICENSE 108506
01/14/2016

SHEET NO.
24

S:\Co-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET----Short roads.dwg Jan 14, 2016 - 10:11pm CCC2

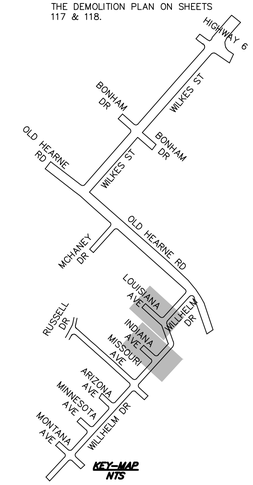


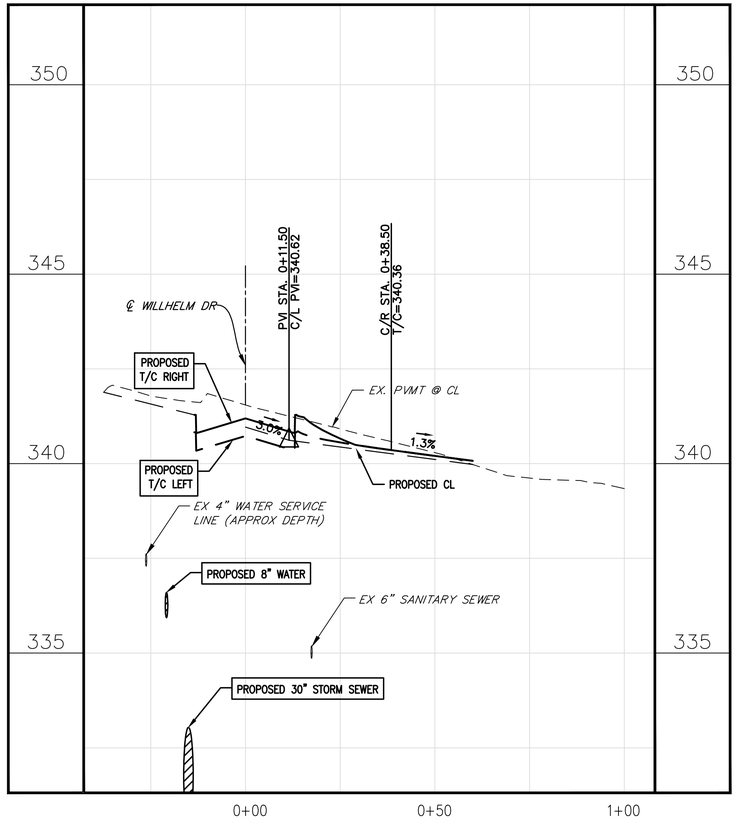


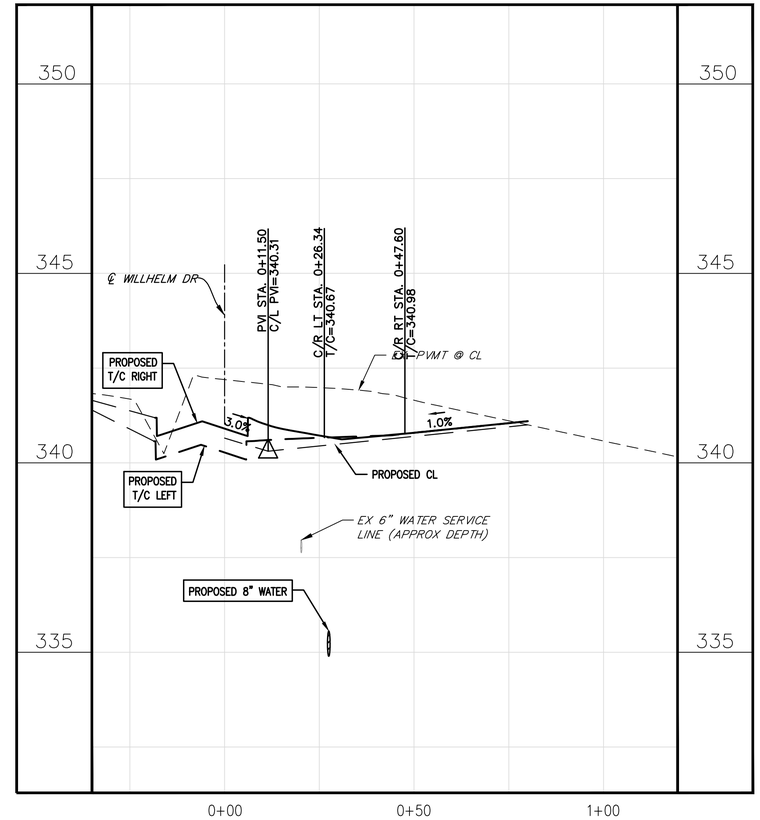


NOTES:

1. ALL EXISTING DRIVEWAYS TO BE REMOVED AND REPLACED PER SHEET 50.
2. ALL EXISTING DRIVEWAY CULVERTS TO BE REMOVED IN ACCORDANCE WITH THE DEMOLITION PLAN ON SHEETS 117 & 118.







1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

INDIANA AVE & LOUISIANA AVE
STA 0+00 TO 0+40 &
STA 0+00 TO 1+00

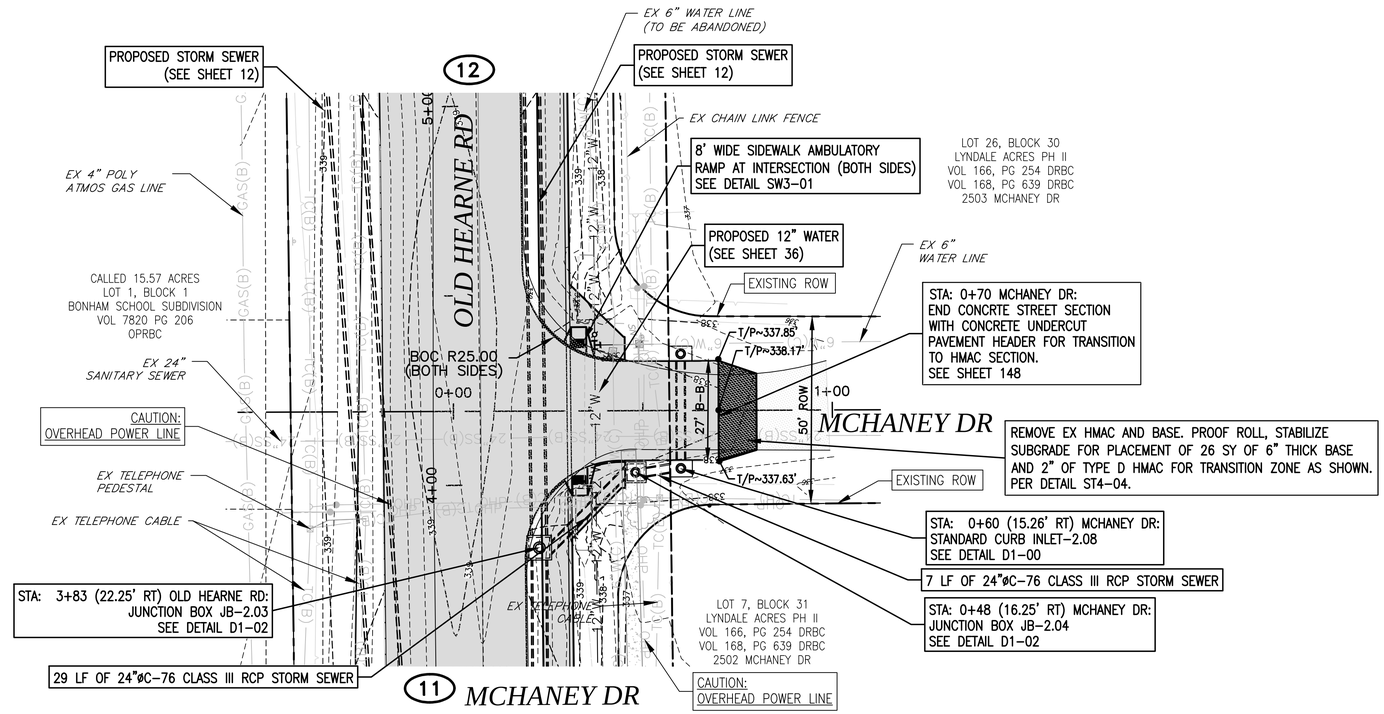
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

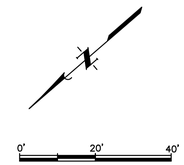
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CMR
JOB NO. C0011-0017 DWG. NO.
SUBMITTED: -- SURV. BY: --

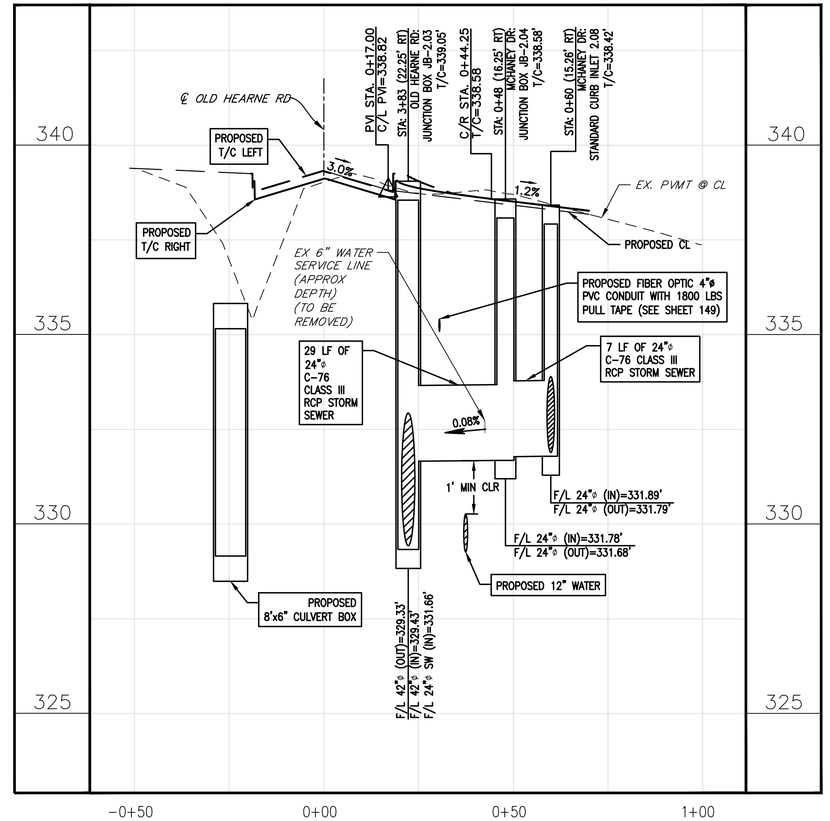
STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

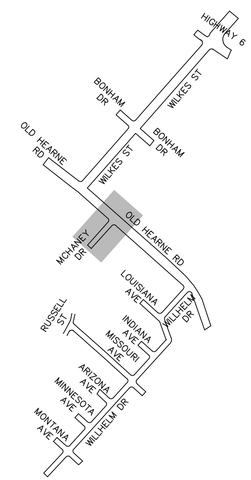
SHEET NO.
25

S:\Jc-job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET----Short roads.dwg Jan 14, 2016 - 10:13pm CCC2









KEY-MAP
NTS

DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

MCHANEY DR
STA 0+00 TO STA 1+00

JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED
DGN. BY: JHC
DATE: AS NOTED
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JOB NO. C0011-0017
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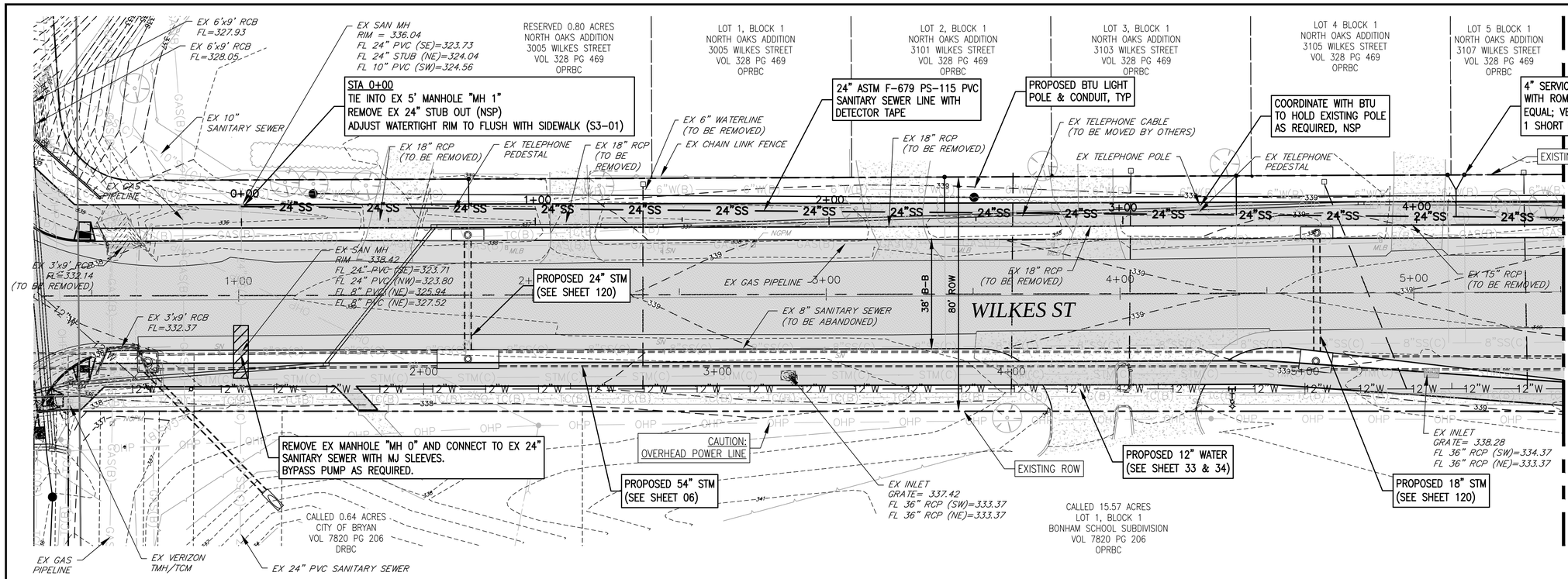
SUBMITTED: --
SURV. BY: --

STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
12/29/2015

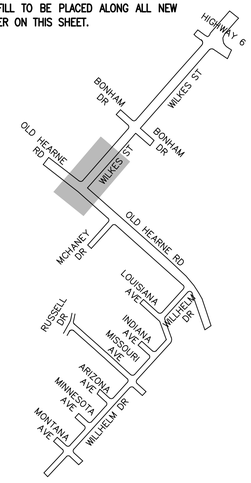
SHEET NO.
26

\\JCCS\where1\0-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Short roads.dwg Jan 04, 2016 - 10:18am JHC



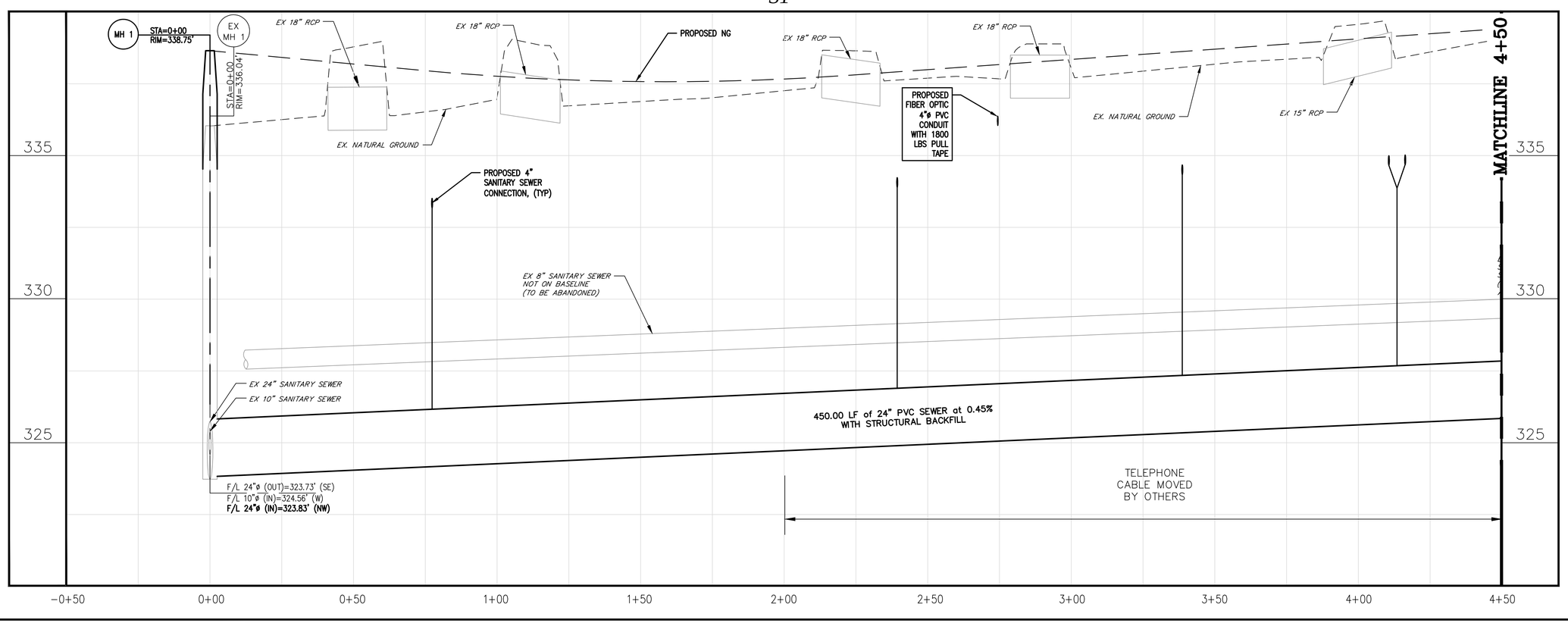
PLAN NOTES:

1. BY-PASS PUMPING TO BE PAID IN LUMP SUM PER BID ITEM AS REQUIRED.
2. THE LOCATION OF EXISTING SEWER SERVICES ARE UNKNOWN. CONTRACTOR TO LOCATE EXISTING SEWER SERVICE LINES AND RELOCATE SINGLE AND DOUBLE SERVICE RECONNECTS AS REQUIRED.
3. CONTRACTOR TO REMOVE AND REPLACE EX CULVERTS, DRIVEWAYS, ETC AS REQUIRED TO MAINTAIN ACCESS AND DRAINAGE DURING CONSTRUCTION.
4. CONNECTION INTO A LINE OR INTO A MANHOLE WILL BE PAID FOR WITH THE SAME SERVICE RECONNECT BID ITEM.
5. ALL SERVICE RECONNECTS INTO THE 24" LINE ON THE NORTH SIDE OF WILKES TO BE PAID FOR AS SHORT SERVICES, ALL ON THE SOUTH SIDE TO BE PAID AS LONG SERVICES. TIE IN TO INCLUDE ROMAC CB SEWER SADDLE OR APPROVED.
6. STRUCTURAL BACKFILL TO BE PLACED ALONG ALL NEW 24" SANITARY SEWER ON THIS SHEET.



KEY-MAP NTS

"S1"



1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD-WILKES STREET REHABILITATION

SANITARY SEWER BASELINE "S1" STA 0+00 TO STA 4+50

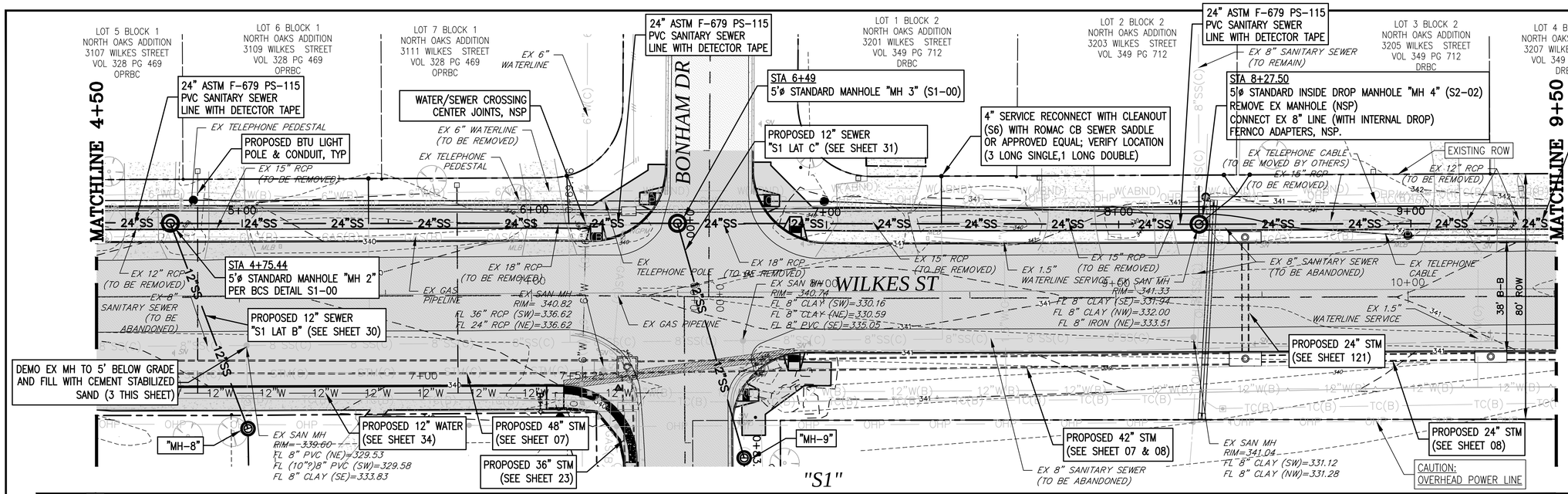
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011-0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS
STEVE E. DUNCAN
83252
PROFESSIONAL ENGINEER
01/14/2016

SHEET NO.
27

S:\Jc-lab\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Sanitary Sewer.dwg Jan 14, 2016 - 10:15pm CCC2



PLAN NOTES:

1. BY-PASS PUMPING TO BE PAID IN LUMP SUM PER BID ITEM AS REQUIRED.
2. THE LOCATION OF EXISTING SEWER SERVICES ARE UNKNOWN. CONTRACTOR TO LOCATE EXISTING SEWER SERVICE LINES AND RELOCATE SINGLE AND DOUBLE SERVICE RECONNECTS AS REQUIRED.
3. CONTRACTOR TO REMOVE AND REPLACE EX CULVERTS, DRIVEWAYS, ETC AS REQUIRED TO MAINTAIN ACCESS AND DRAINAGE DURING CONSTRUCTION.
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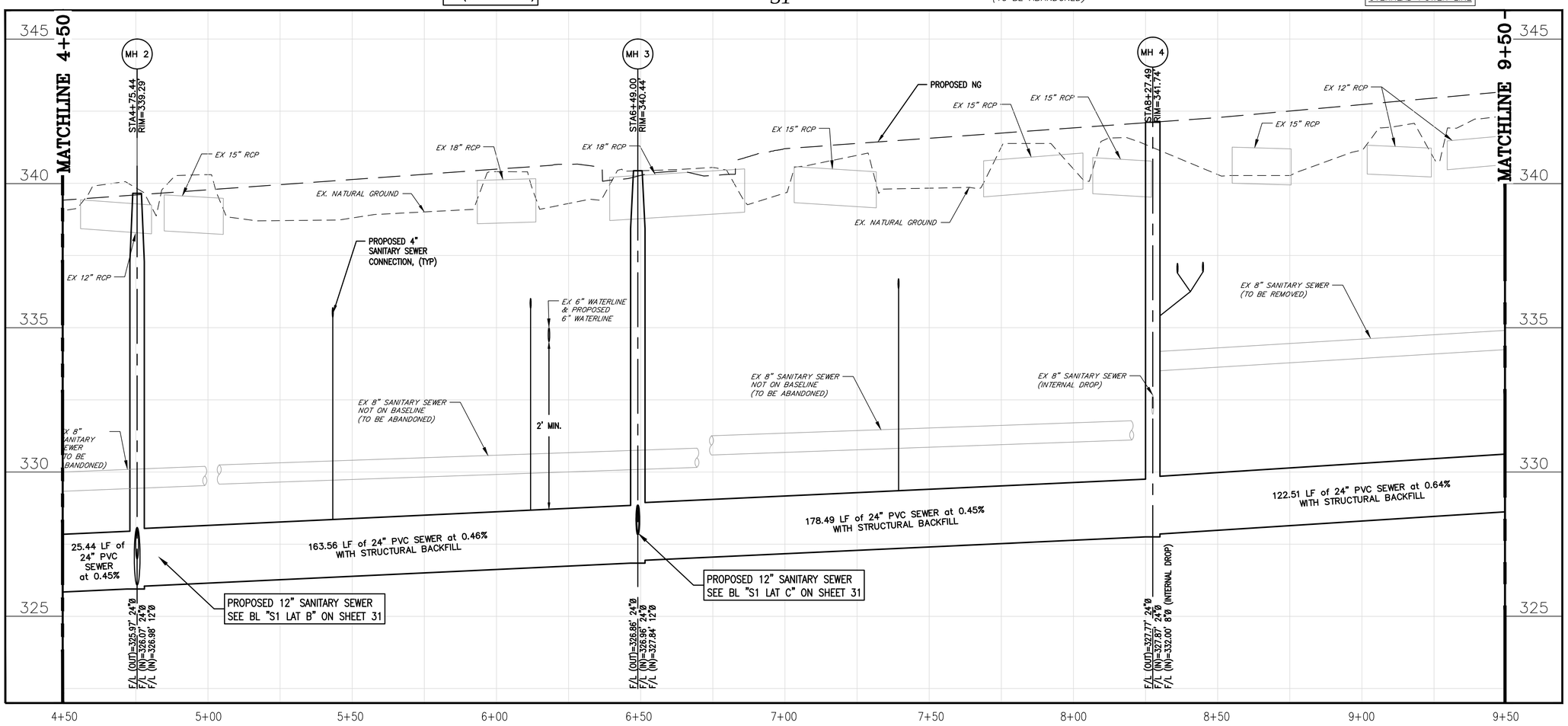
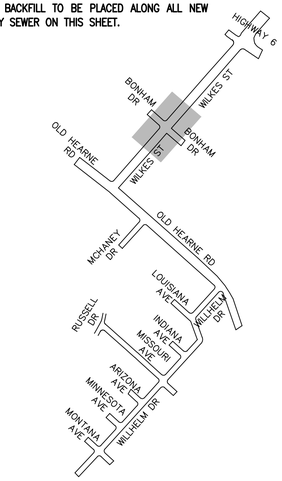
6. STRUCTURAL BACKFILL TO BE PLACED ALONG ALL NEW 24" SANITARY SEWER ON THIS SHEET.





KEY-MAP
NTS

1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET
REHABILITATION

SANITARY SEWER
BASELINE "S1"
STA 4+50 TO STA 9+50

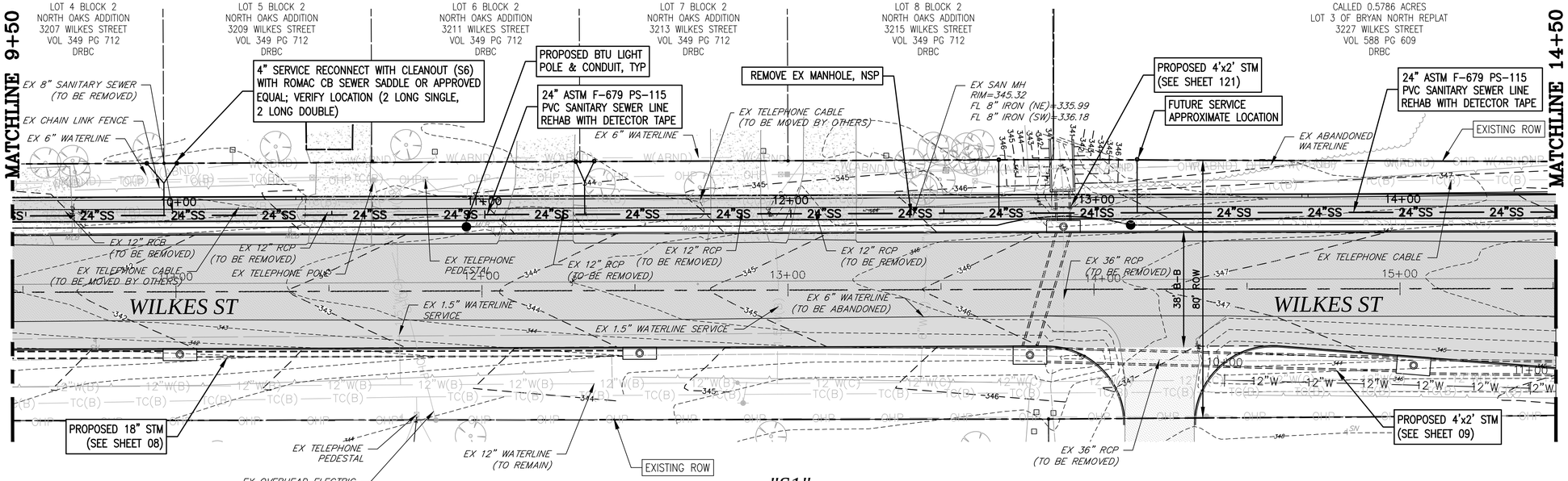
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

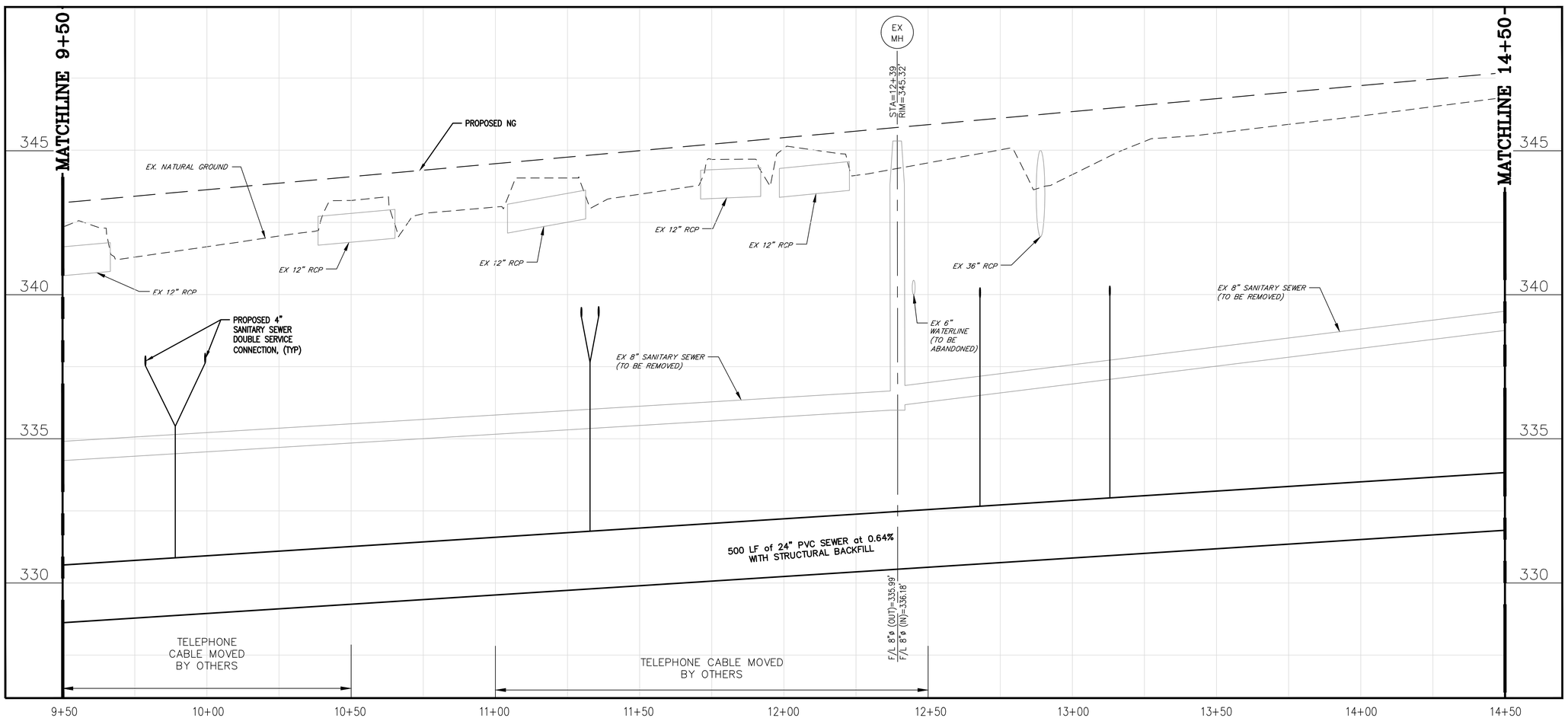
STATE OF TEXAS
STEVE E. DUNCAN
83252
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

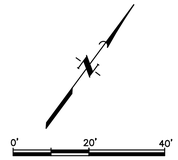
SHEET NO.
28

S:\O-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Sanitary Sewer.dwg Jan 14, 2016 - 10:17pm CCC2



"S1"





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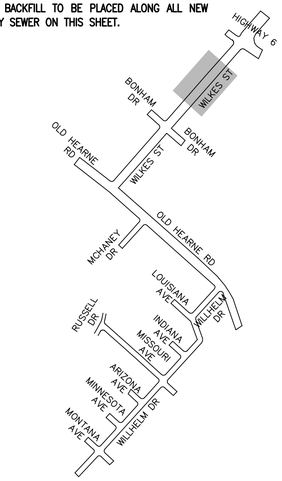

KEY-MAP
NTS

1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

SANITARY SEWER BASELINE "S1" STA 9+50 TO STA 14+50

JONES|CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
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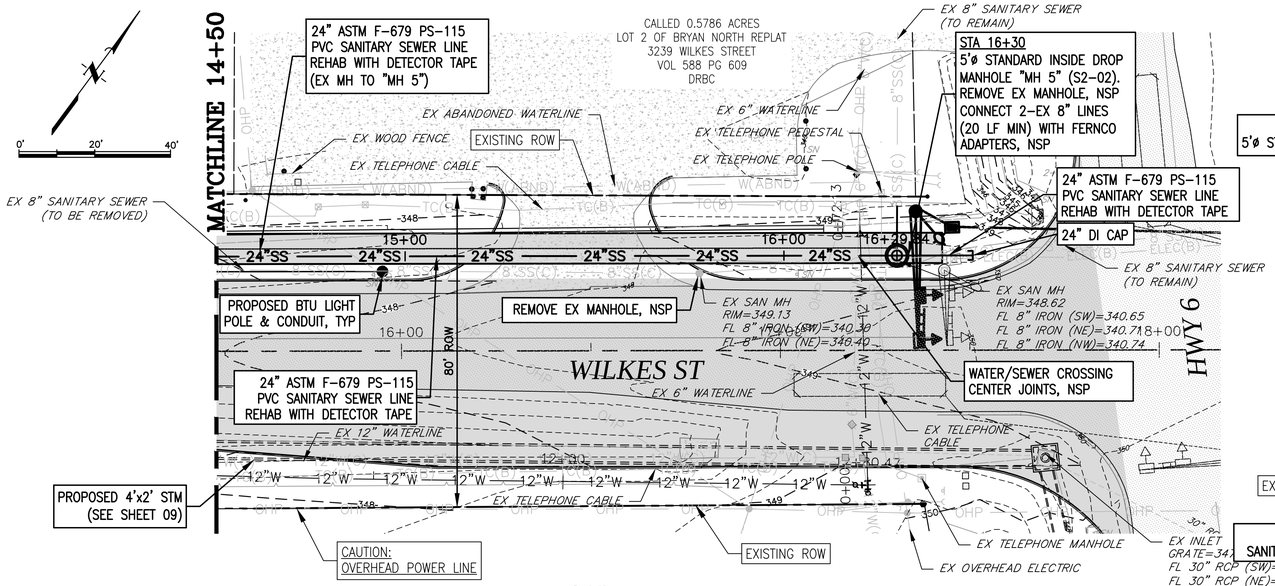
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS
STEVE E. DUNCAN
83252
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

SHEET NO.
29

S:\0-Jobs\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Sanitary Sewer.dwg Jan 14, 2016 - 10:18am CCC2



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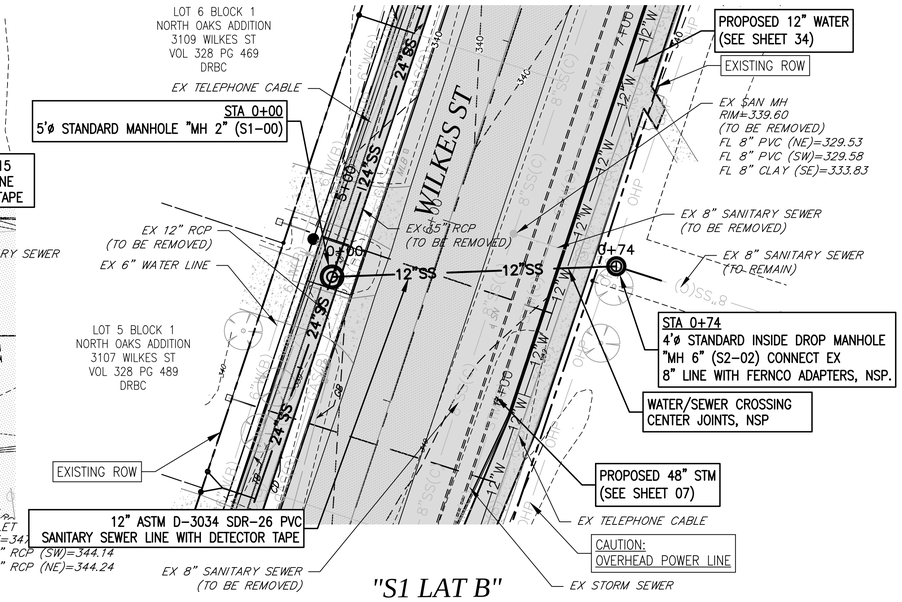

"S1 LAT B"

PLAN NOTES:

1. BY-PASS PUMPING TO BE PAID IN LUMP SUM PER BID ITEM AS REQUIRED.
2. THE LOCATION OF EXISTING SEWER SERVICES ARE UNKNOWN. CONTRACTOR TO LOCATE EXISTING SEWER SERVICE LINES AND RELOCATE SINGLE AND DOUBLE SERVICE RECONNECTS AS REQUIRED.
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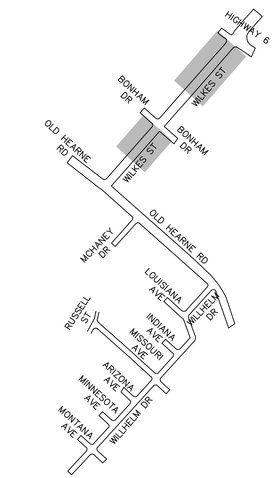
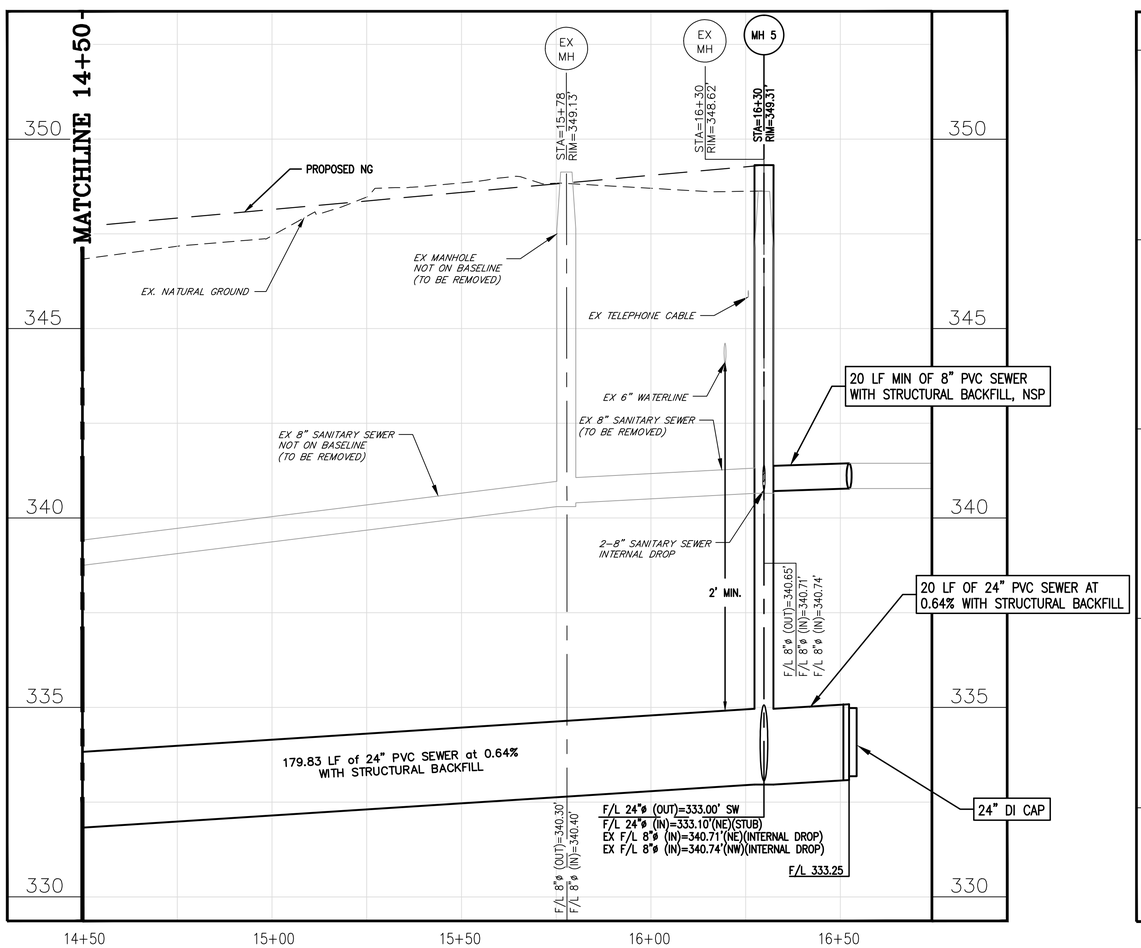
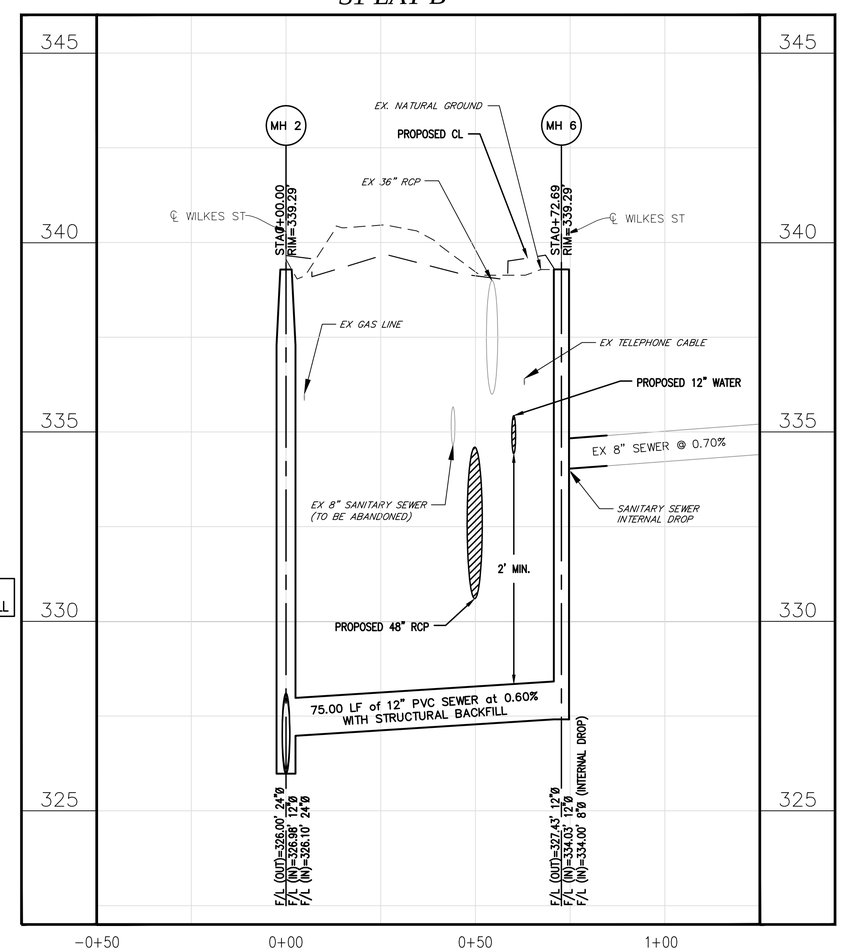


KEY-MAP NTS





DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD-WILKES STREET REHABILITATION
SANITARY SEWER
BASELINE "S1
STA 14+50 TO STA 16+30"
BASELINE "S1 LAT B"

JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
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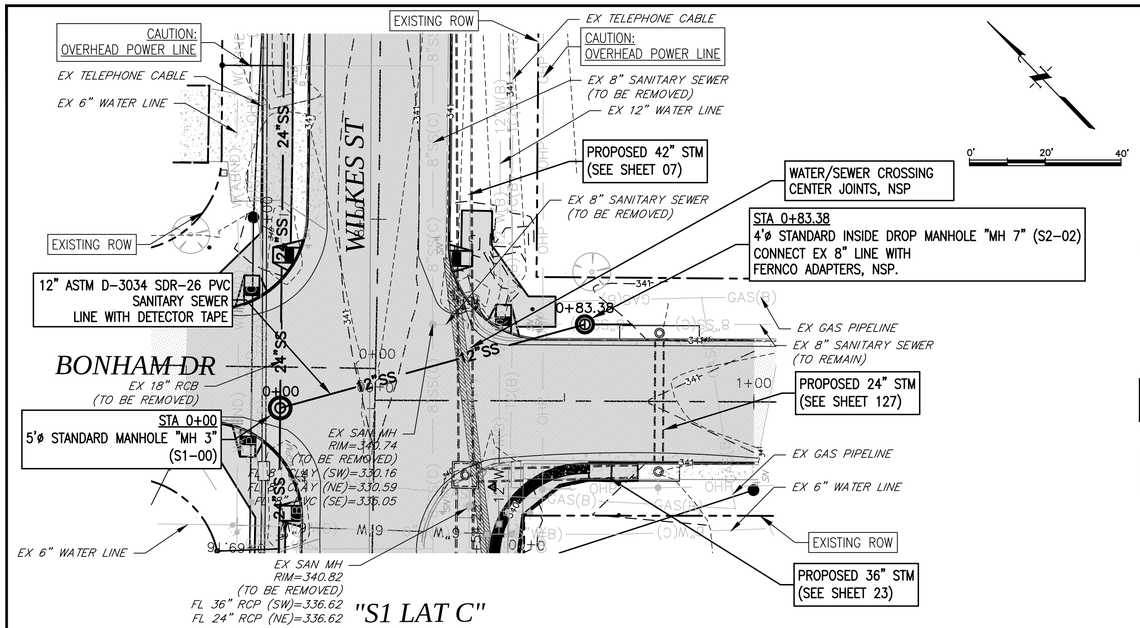
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS
STEVE E. DUNCAN
83252
LICENSED
PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
30

\\JCCS\where\Jc-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Sanitary Sewer.dwg Jan 04, 2016 - 10:38am JHC



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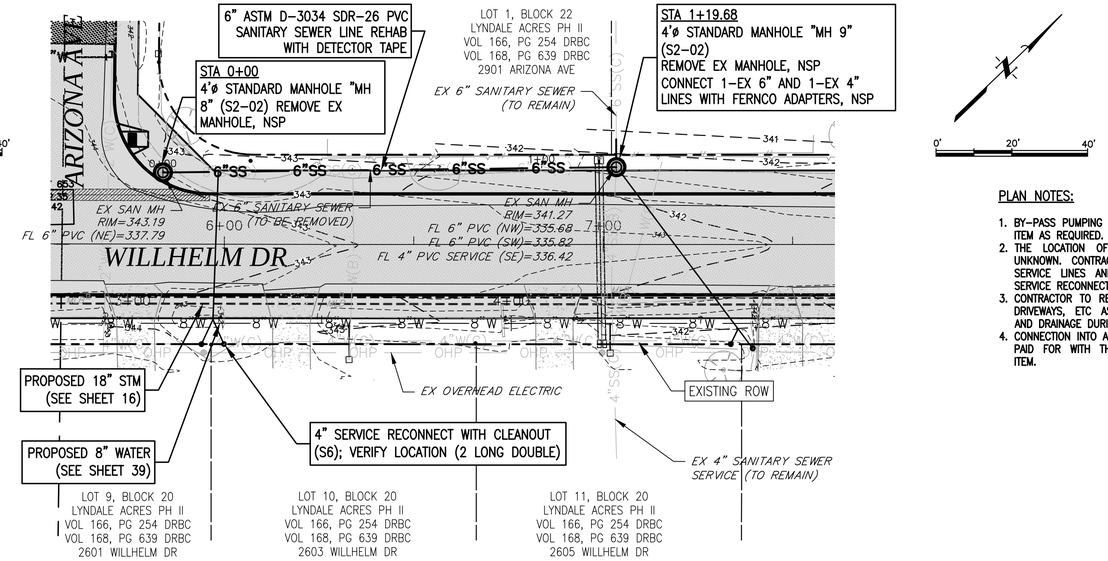

"S3 LAT D"

PLAN NOTES:

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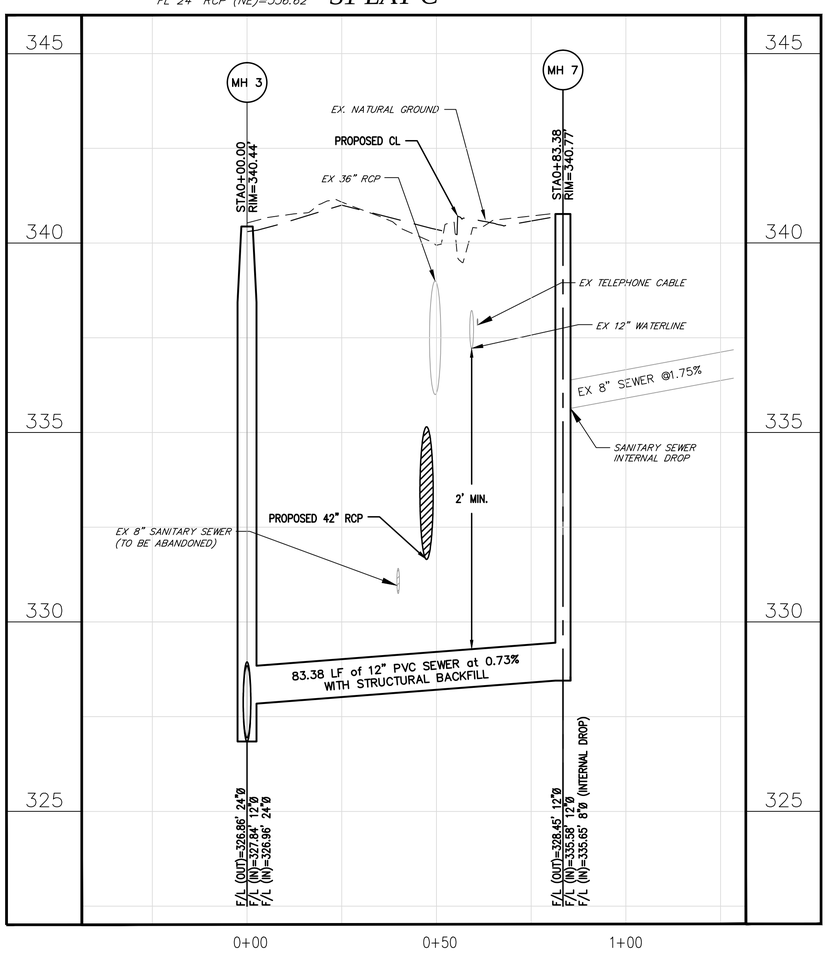

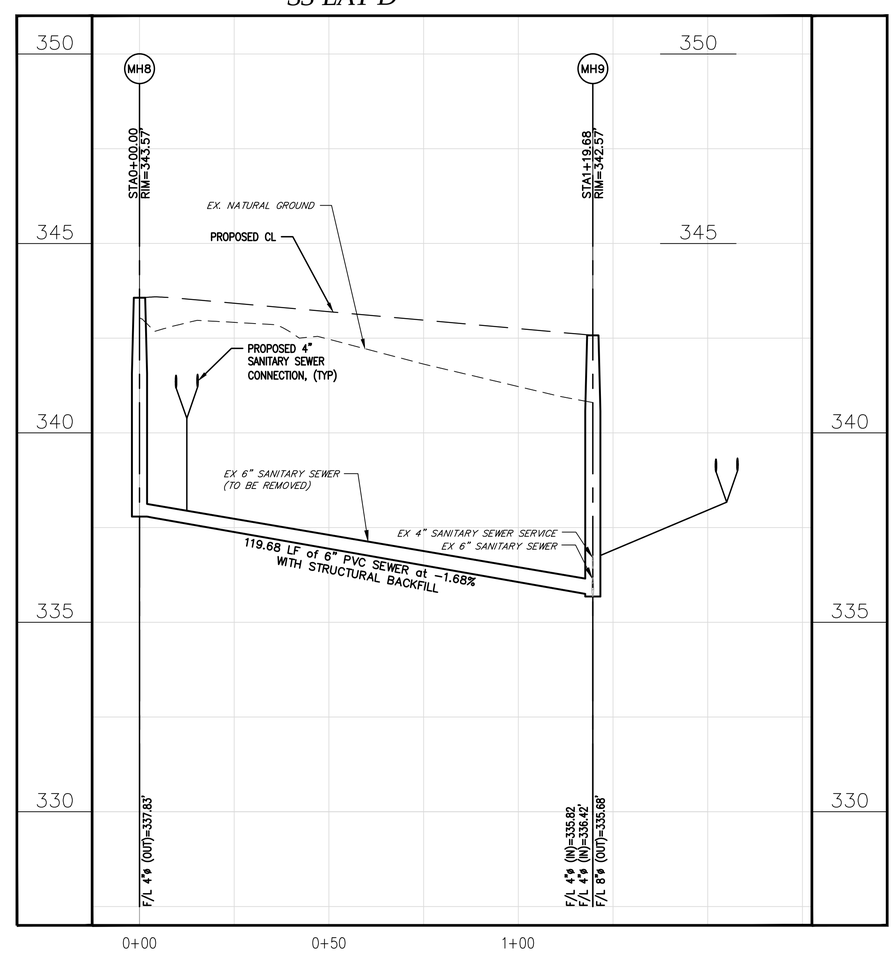

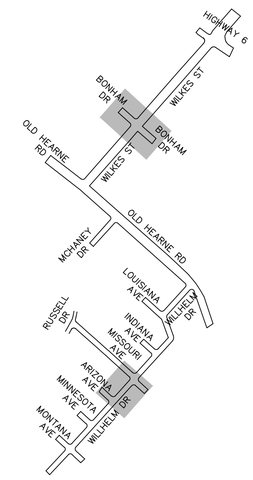

KEY-MAP
NTS

1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD-WILKES STREET REHABILITATION

SANITARY SEWER
BASELINE "S1 LAT C"
BASELINE "S3 LAT D"

JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
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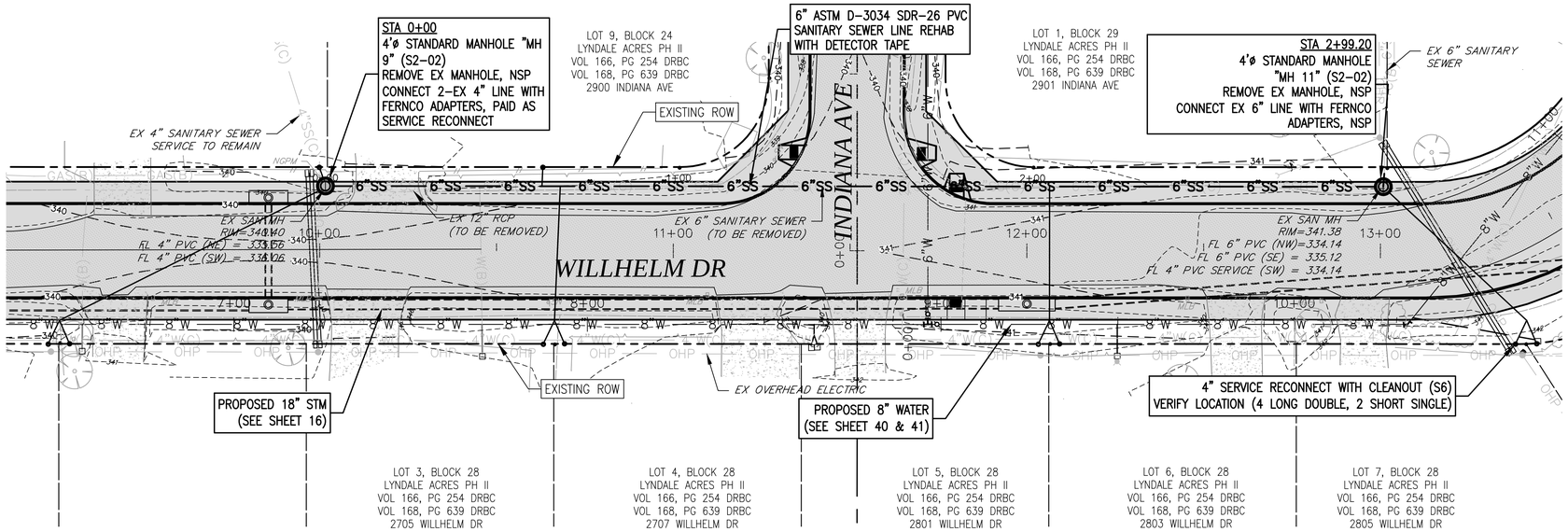
SUBMITTED: -- SURV. BY: --

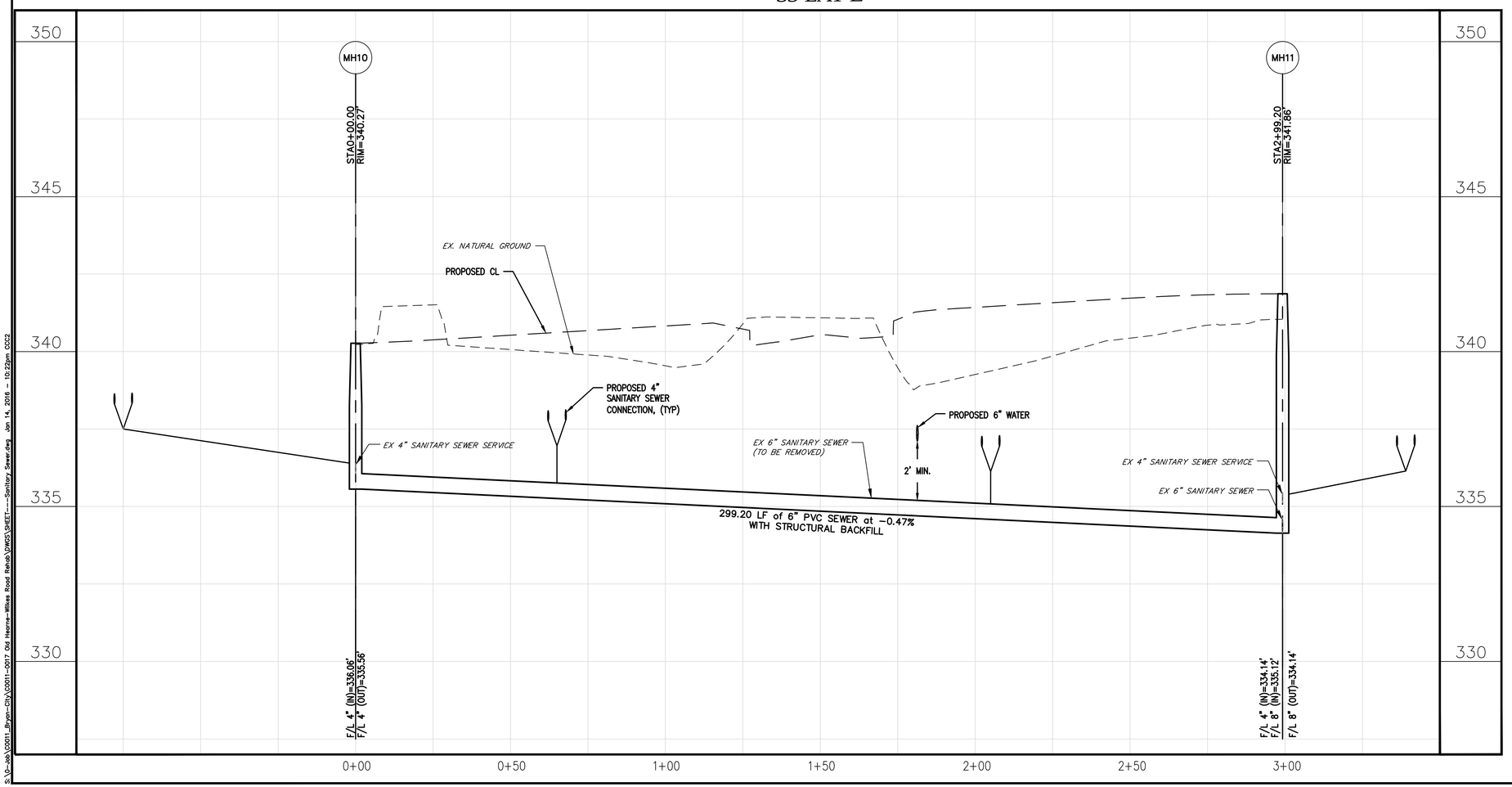
STATE OF TEXAS
STEVE E. DUNCAN
83252
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

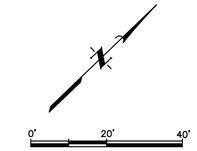
SHEET NO.
31

S:\Jc-lab\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Sanitary Sewer.dwg Jan 14, 2016 - 10:21pm CCC2



"S3 LAT E"





PLAN NOTES:

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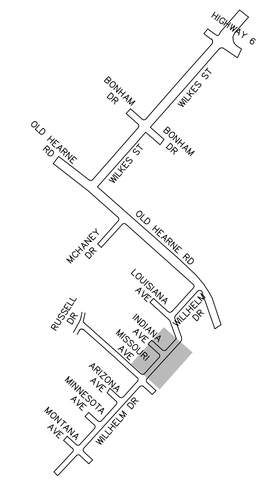

KEY-MAP
NTS

	DATE	REVISIONS	APP.
1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD-WILKES STREET REHABILITATION

SANITARY SEWER BASELINE "S3 LAT E"

JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
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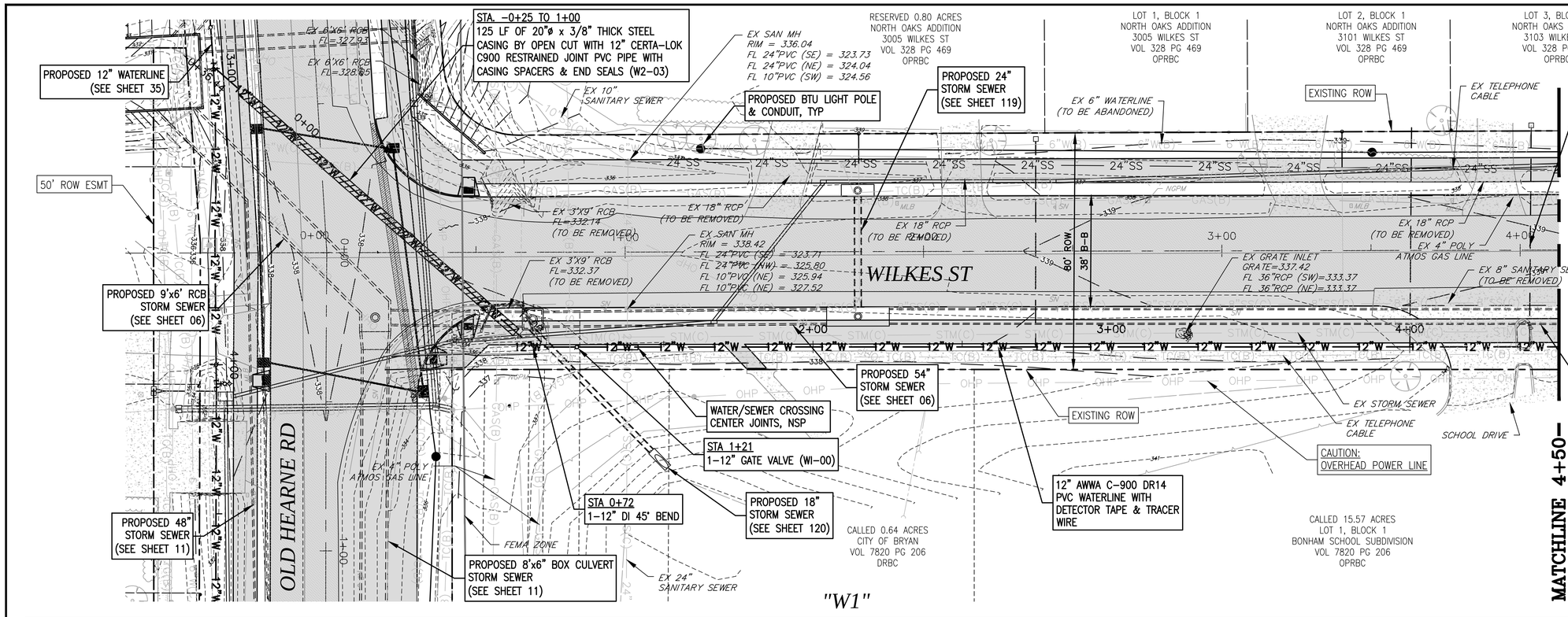
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS
STEVE E. DUNCAN
83252
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

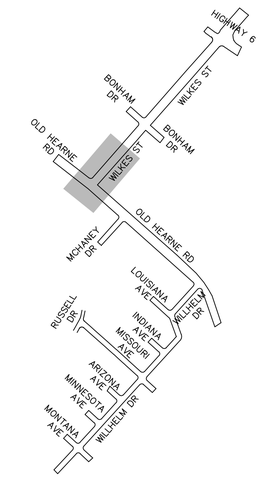
SHEET NO.
32

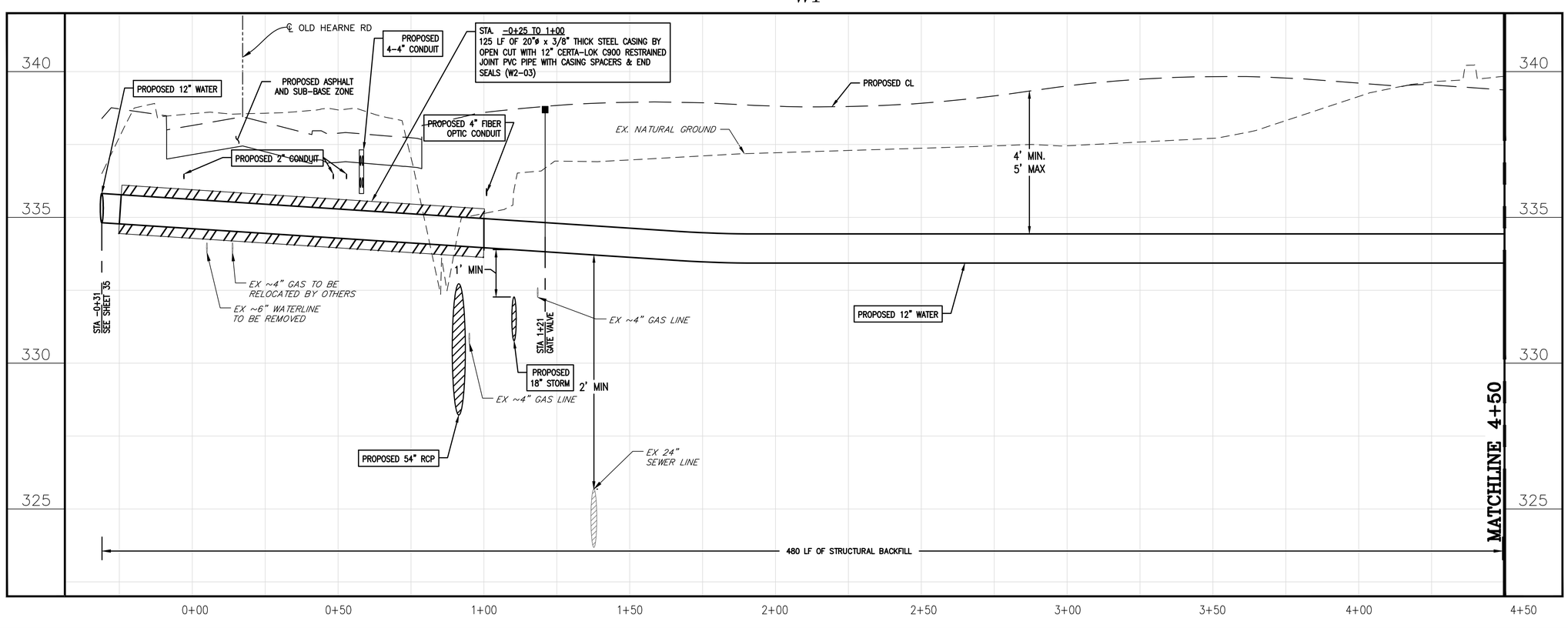
S:\Jc-lab\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWG\SHEET---Sanitary Sewer.dwg Jan 14, 2016 - 10:22pm CC22



PLAN NOTES:

1. VERIFY LOCATION OF EXISTING WATER LINES AND ADJUST ALIGNMENT AND DEPTH AS REQUIRED TO KEEP EXISTING LINES IN SERVICE.
2. CONTRACTOR TO REMOVE AND REPLACE EX CULVERTS, DRIVEWAYS, ETC AS REQUIRED TO MAINTAIN ACCESS AND DRAINAGE DURING CONSTRUCTION.
3. IF THE EXISTING WATER METER BOX IS ROUND, THE CONTRACTOR SHALL REPLACE IT WITH A METER BOX AND LID PROVIDED BY THE CITY, NSP.
4. CONTRACTOR TO TAKE SPECIAL CARE TO PROTECT EXISTING WATER METER SENSORS AND WIRING.





1	01/14/16	CITY COMMENTS	AJB
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	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

WATERLINE
BASELINE "W1"
STA 0+00 TO STA 4+50

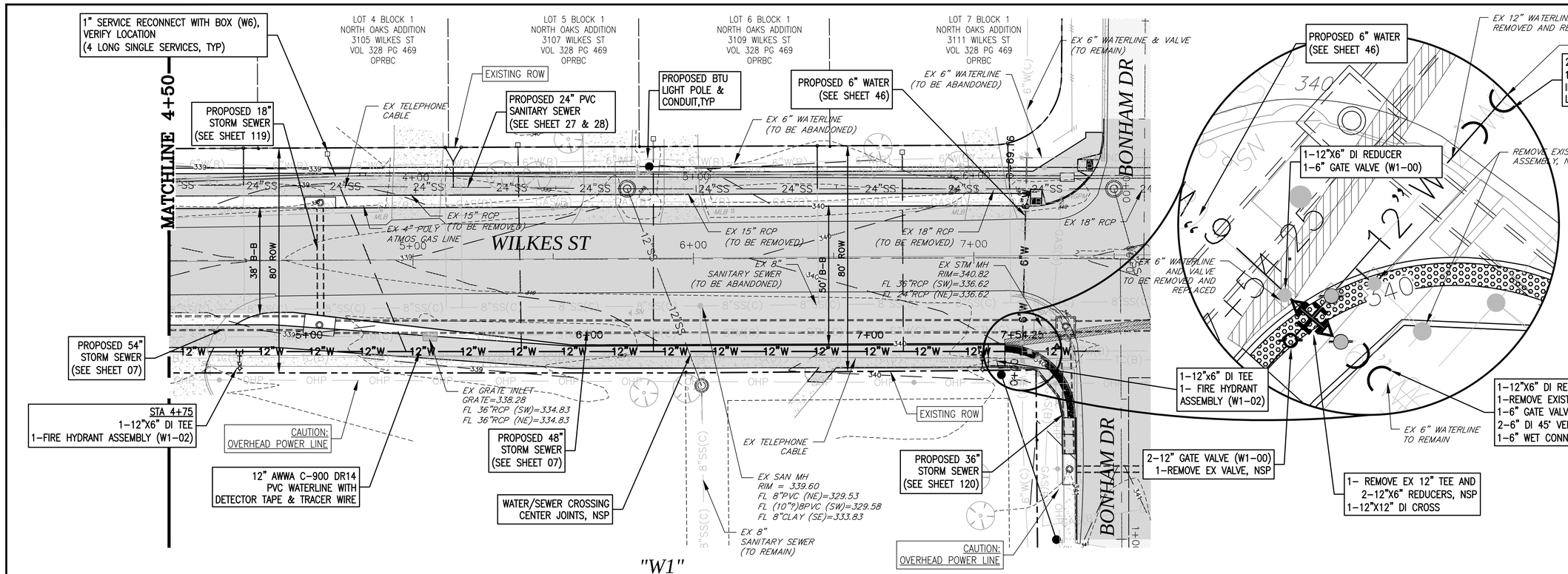
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CMR
JOB NO. C0011-0017 DWG. NO.
SUBMITTED: -- SURV. BY:

STATE OF TEXAS
STEVE E. DUNCAN
83252
PROFESSIONAL ENGINEER
01/14/2016

SHEET NO.
33

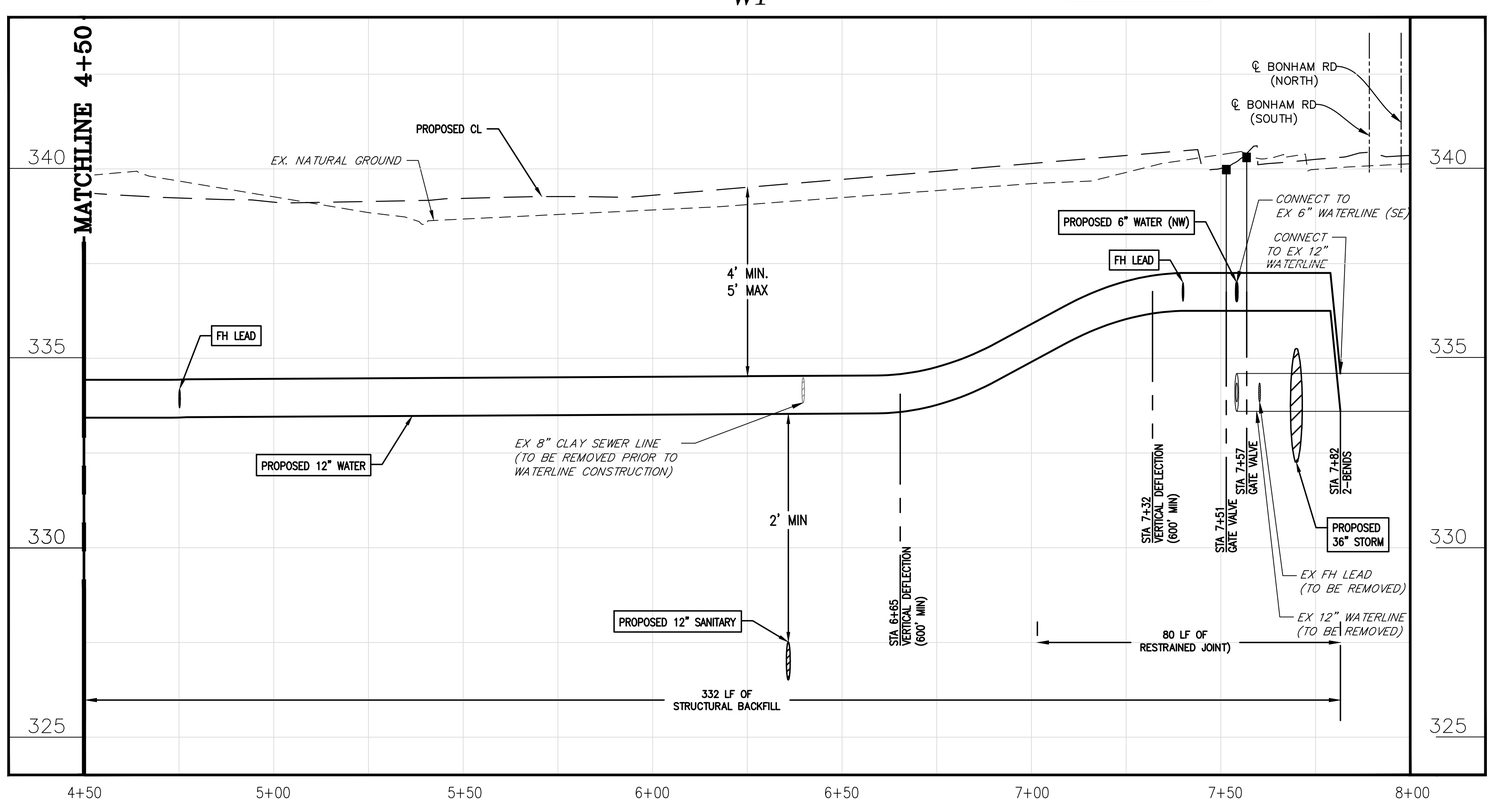
S:\JC-Jobs\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Waterline.dwg Jan 14, 2016 - 10:25am CCC2

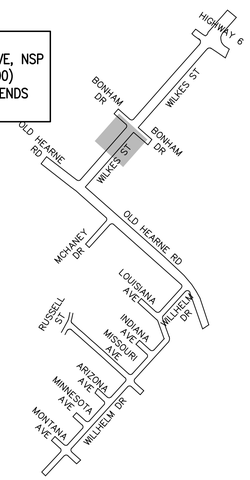


PLAN NOTES:

1. VERIFY LOCATION OF EXISTING WATER LINES AND ADJUST ALIGNMENT AND DEPTH AS REQUIRED TO KEEP EXISTING LINES IN SERVICE.
2. CONTRACTOR TO REMOVE AND REPLACE EX CULVERTS, DRIVEWAYS, ETC AS REQUIRED TO MAINTAIN ACCESS AND DRAINAGE DURING CONSTRUCTION.
3. IF THE EXISTING WATER METER BOX IS ROUND, THE CONTRACTOR SHALL REPLACE IT WITH A METER BOX AND LID PROVIDED BY THE CITY, NSP.
4. CONTRACTOR TO TAKE SPECIAL CARE TO PROTECT EXISTING WATER METER SENSORS AND WIRING.

"W1"





KEY MAP NTS

DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

WATERLINE BASELINE "W1" STA 4+50 TO STA 8+00

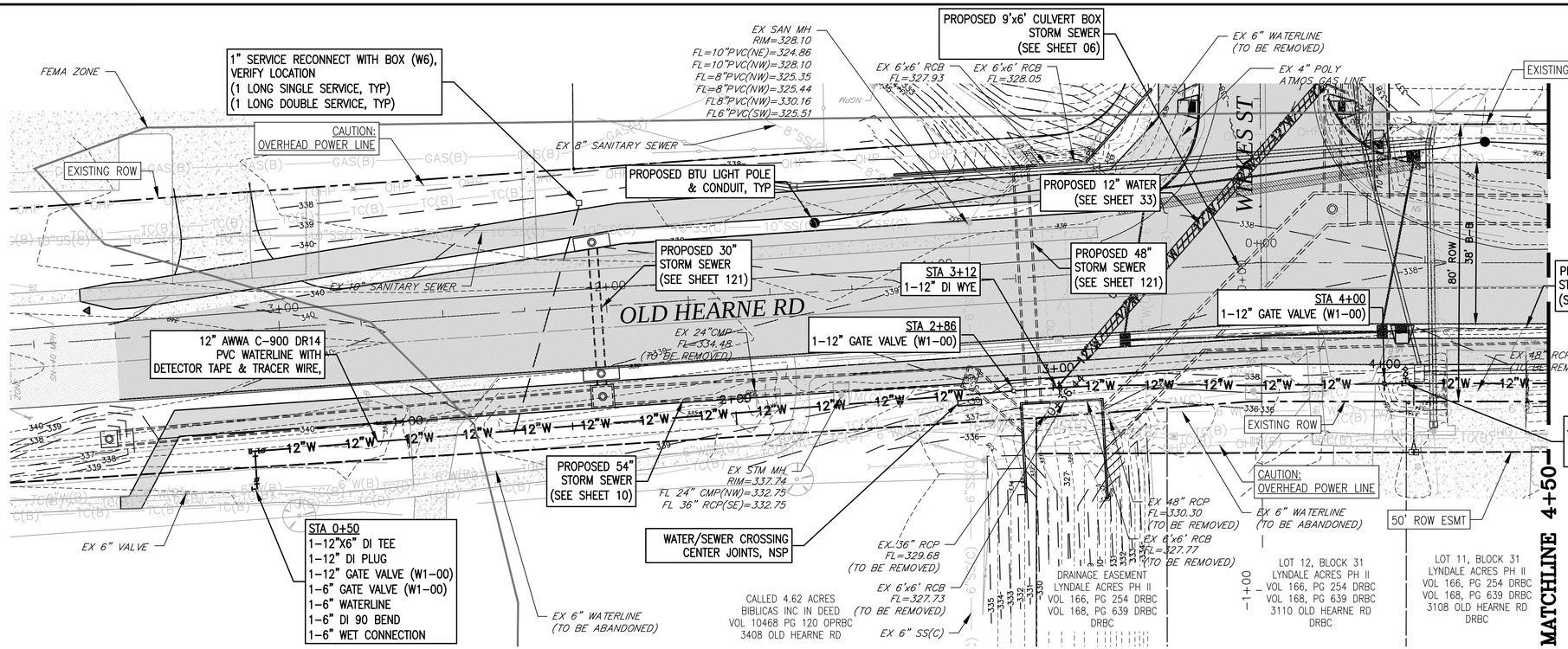
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CMR
JOB NO. C0011-0017 DWG. NO.
SUBMITTED: -- SURV. BY:

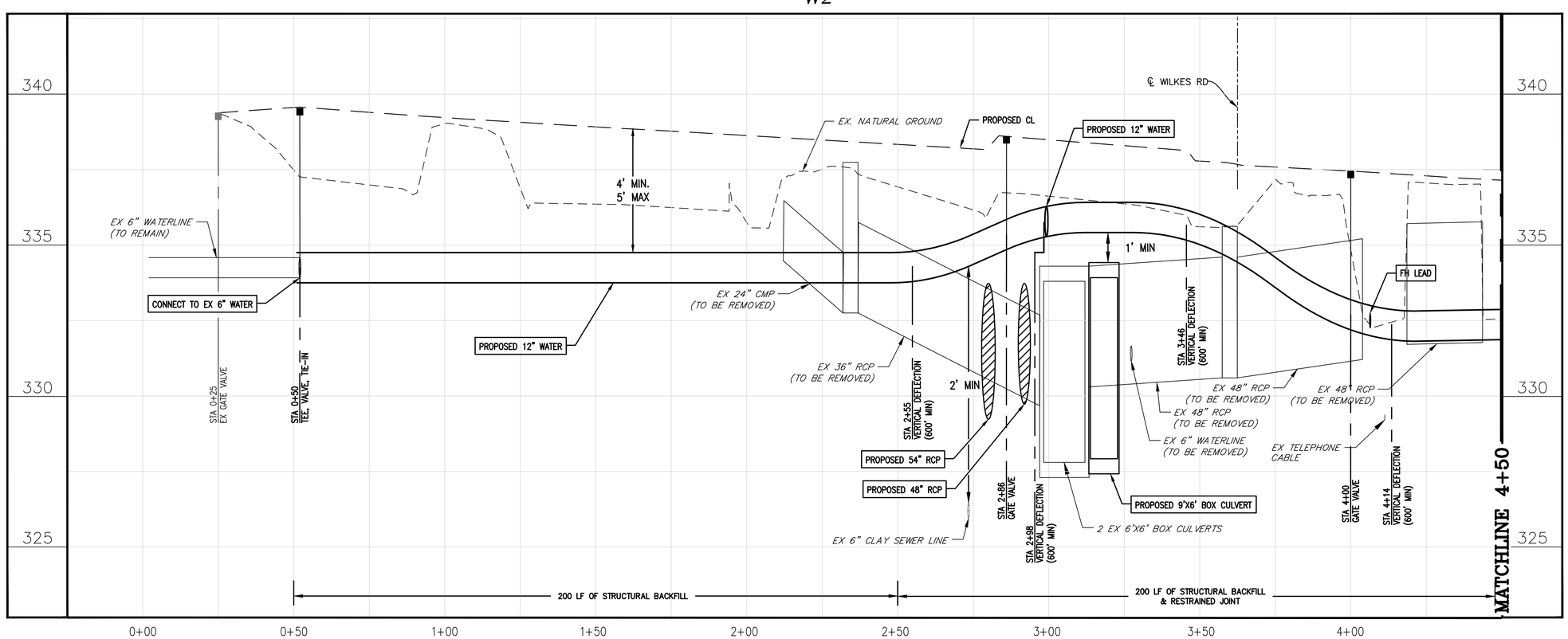
STATE OF TEXAS
STEVE E. DUNCAN
83252
LICENSED PROFESSIONAL ENGINEER
12/29/2015

SHEET NO. 34

\\JCCS\where1\O-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Waterline.dwg Jan 04, 2016 - 11:15pm JHC



"W2"



PLAN NOTES:

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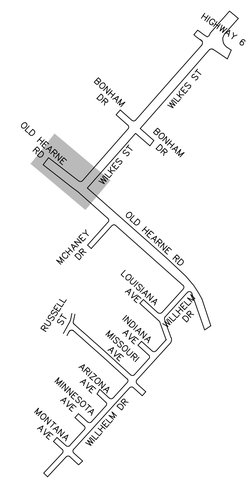

KEY-MAP NTS

DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION
WATERLINE BASELINE "W2" STA 0+00 TO STA 4+50

JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
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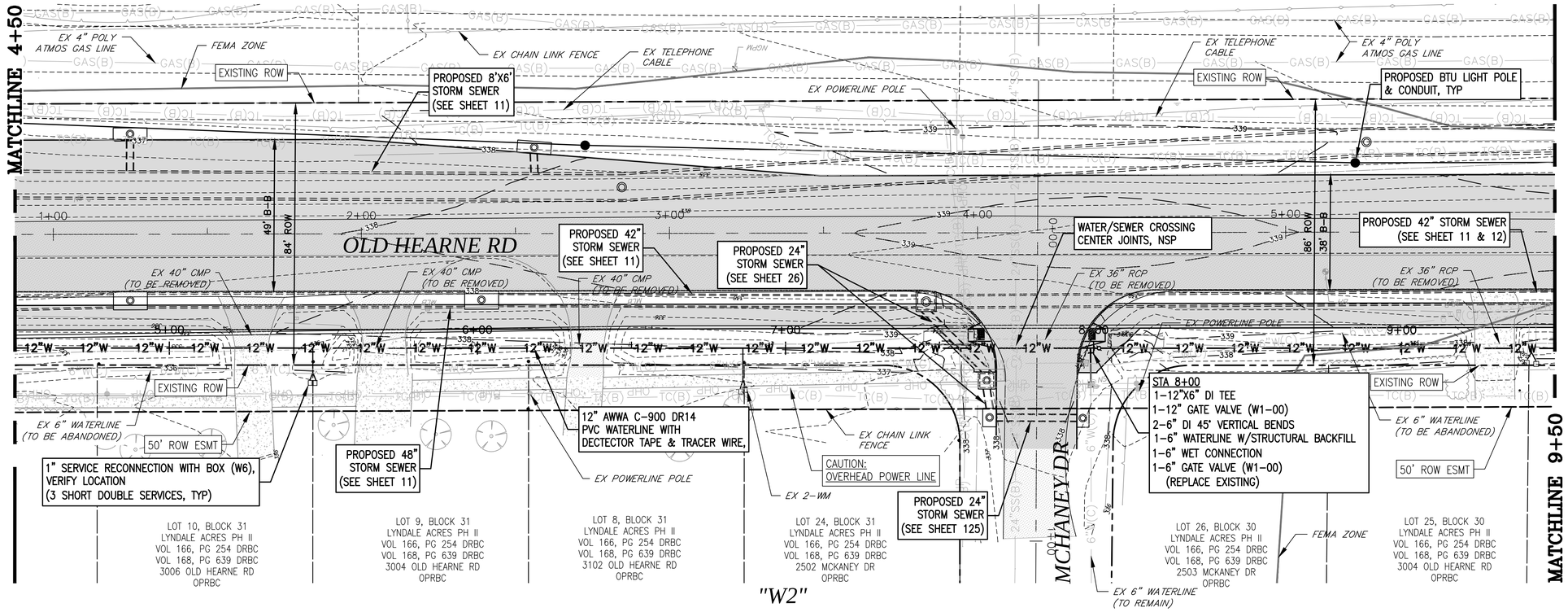
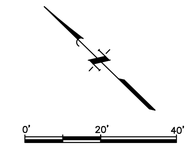
JOB NO. C0011-0017 DWG. NO.
SUBMITTED: -- SURV. BY:

STATE OF TEXAS
STEVE E. DUNCAN
83252
LICENSED PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
35

\\JCCS\share1\0-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Waterline.dwg Jan 04, 2016 - 11:15pm JHC





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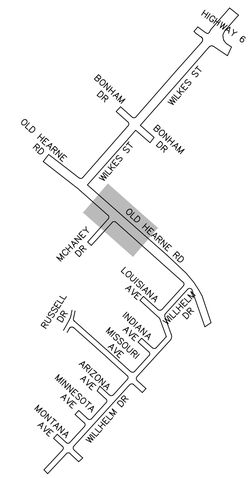
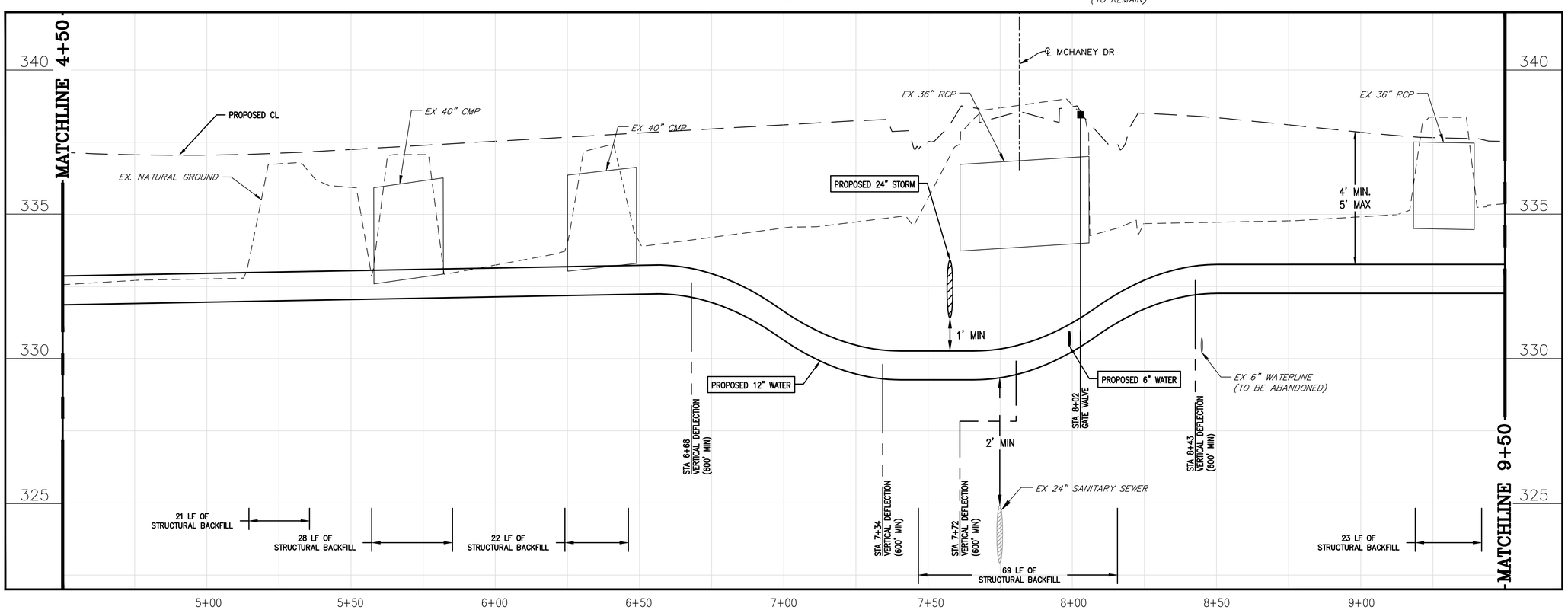


KEY-MAP
NTS



1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

WATERLINE
BASELINE "W2"
STA 4+50 TO STA 9+50

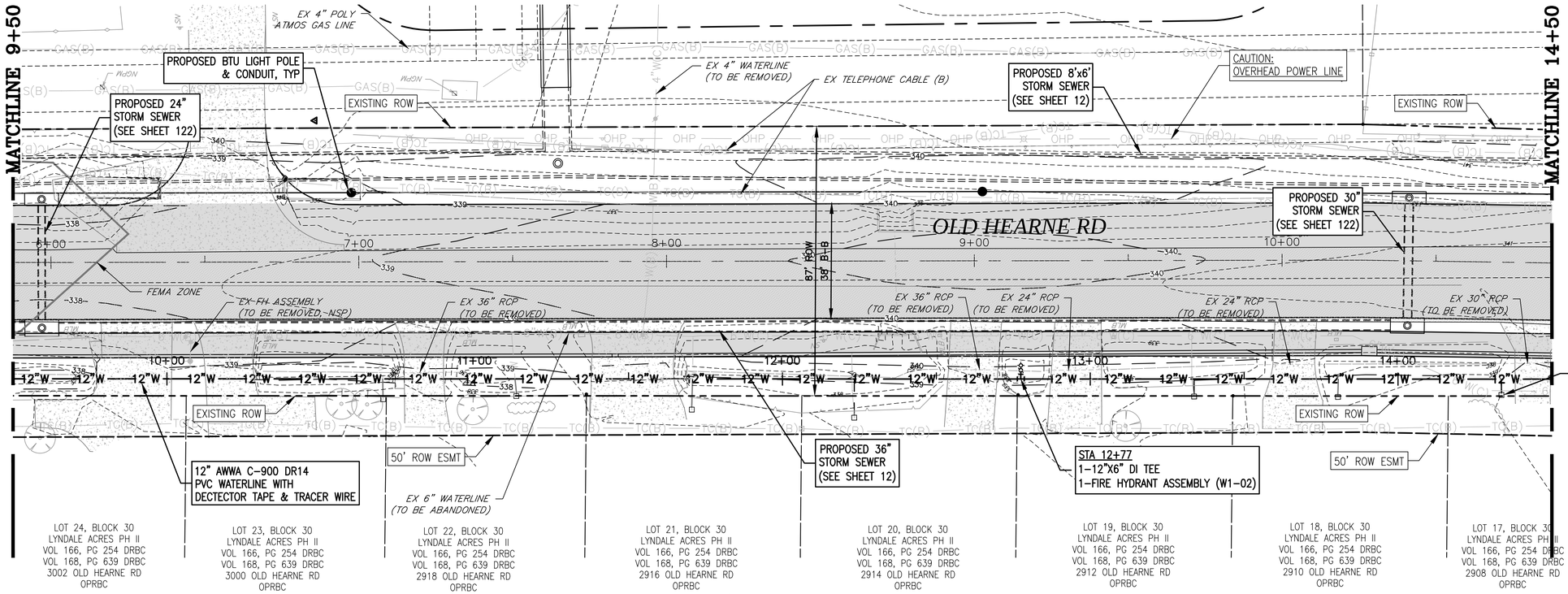
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CMR
JOB NO. C0011–0017 DWG. NO.
SUBMITTED: -- SURV. BY:

STATE OF TEXAS
STEVE E. DUNCAN
83252
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

SHEET NO.
36

S:\Co-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Waterline.dwg Jan 14, 2016 - 10:27pm CCC2



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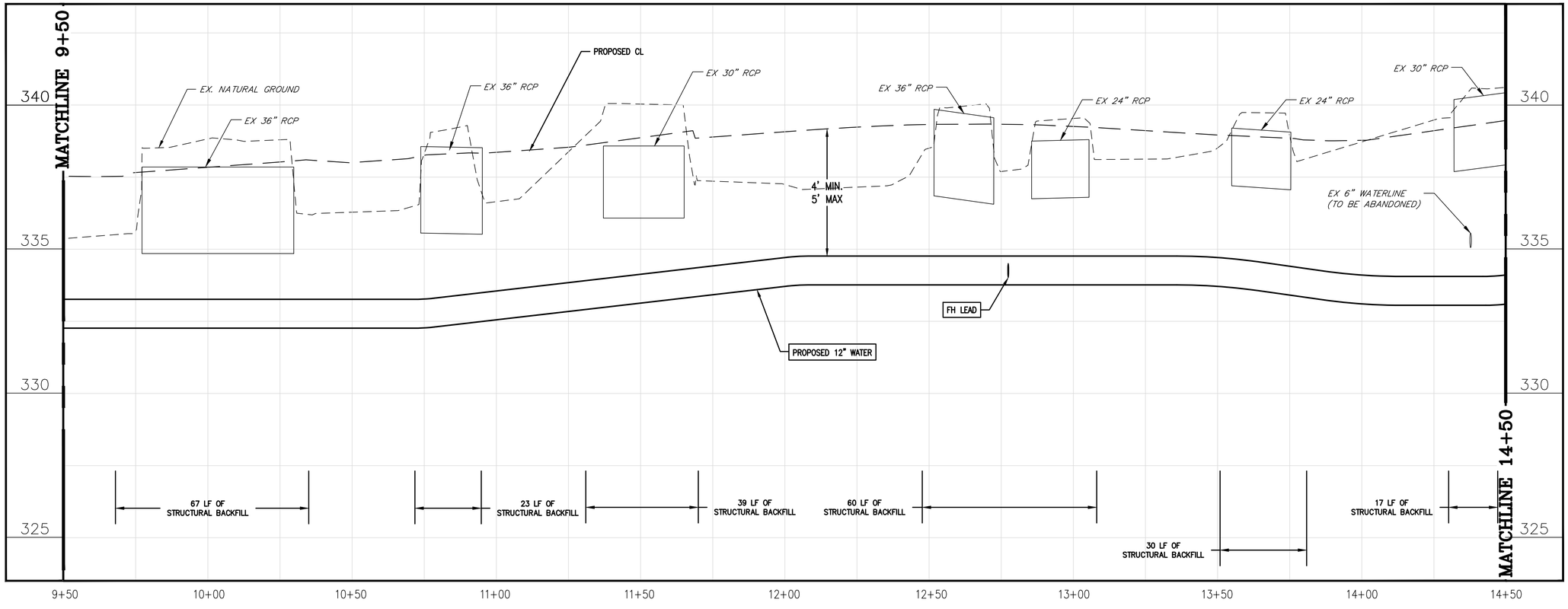

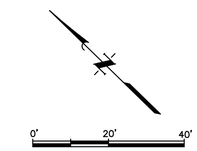

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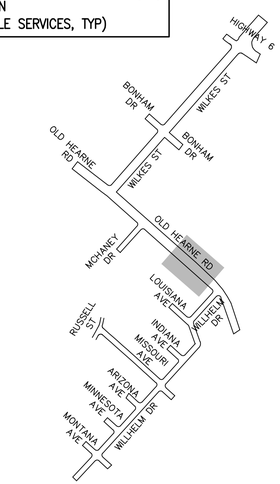


KEY-MAP NTS

DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

WATERLINE BASELINE "W2" STA 9+50 TO STA 14+50

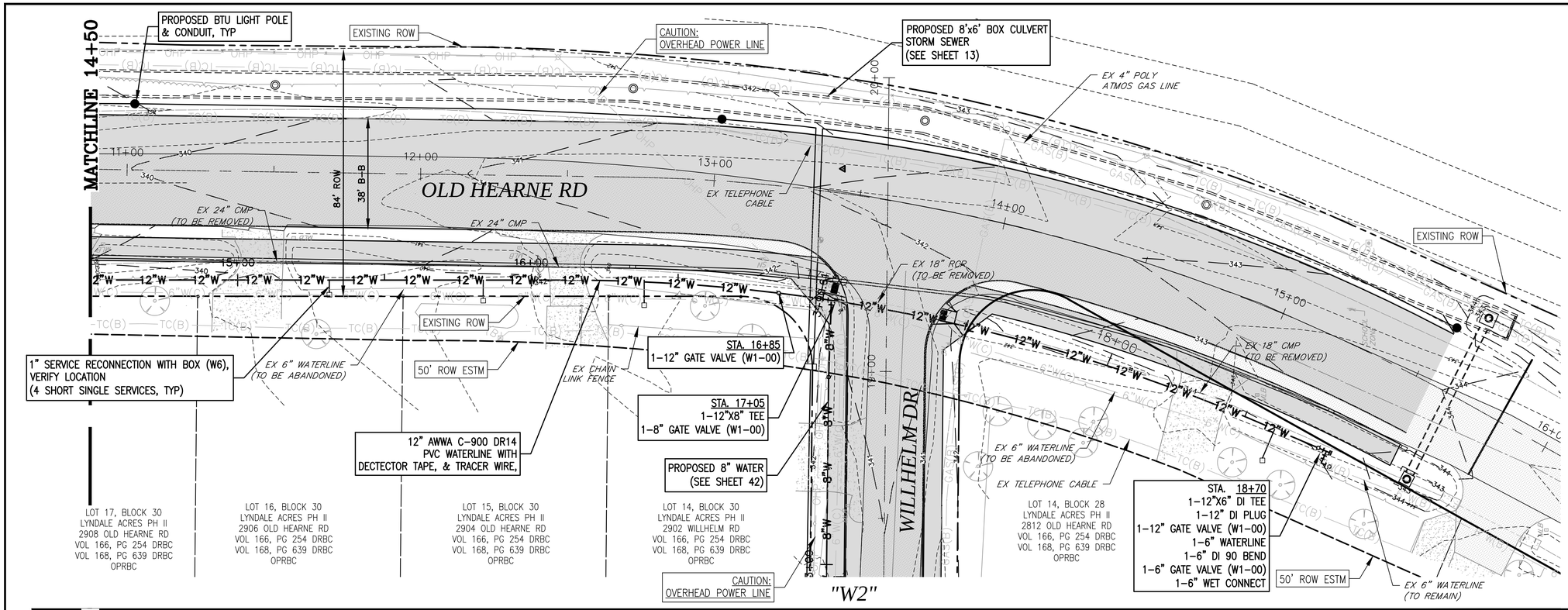
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

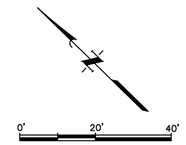
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CMR
JOB NO. C0011-0017 DWG. NO.
SUBMITTED: -- SURV. BY:

STATE OF TEXAS
STEVE E. DUNCAN
83252
LICENSED
PROFESSIONAL ENGINEER
12/29/2015

SHEET NO. 37

\\JCCS\share1\0-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Waterline.dwg Jan 04, 2016 - 11:16pm JHC





PLAN NOTES:

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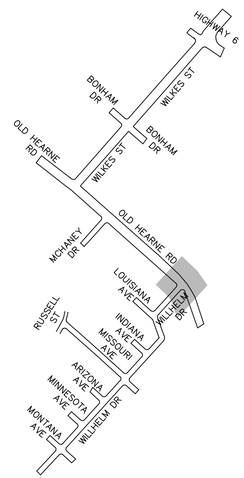
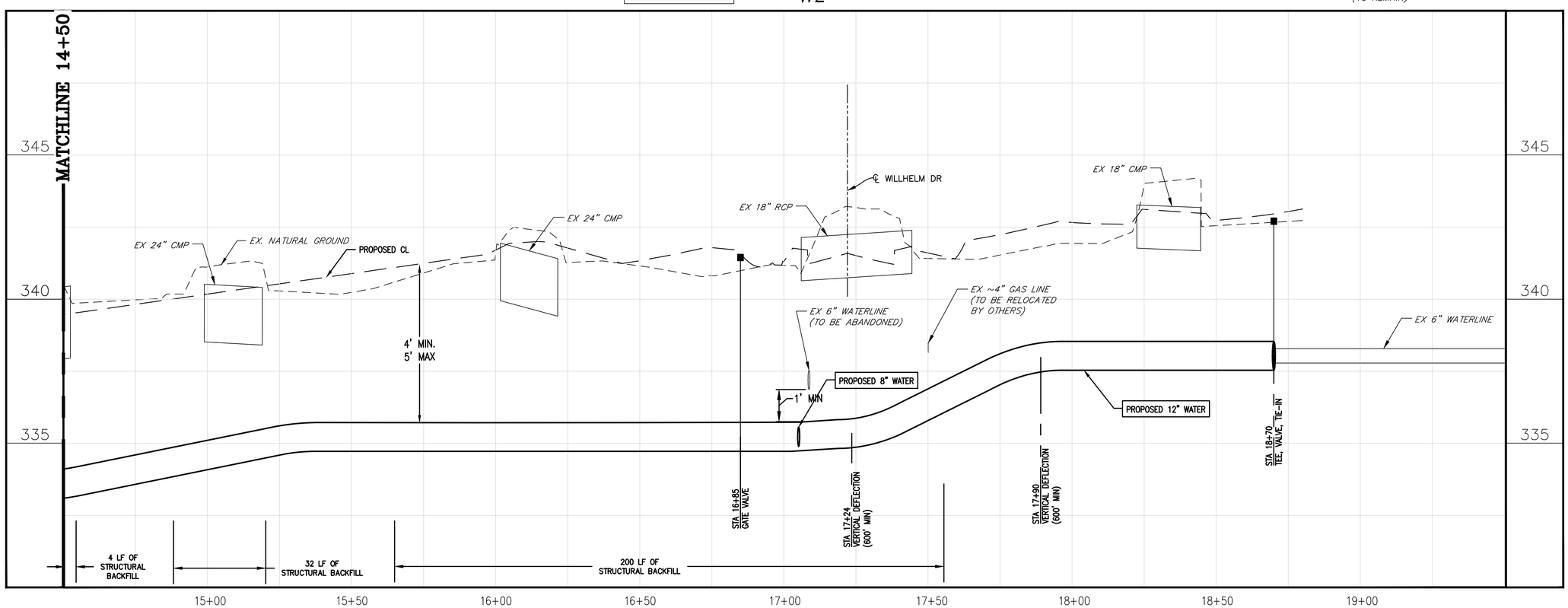




DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

WATERLINE
BASELINE "W2"
STA 14+50 TO STA 18+70

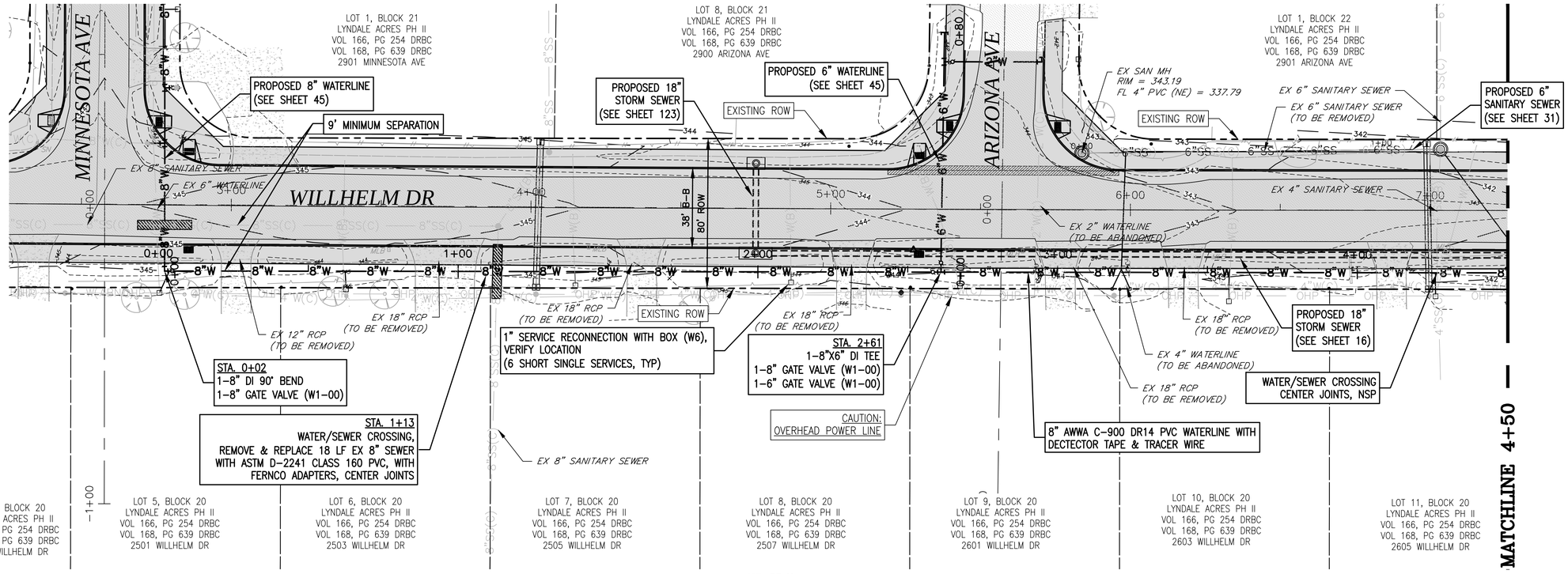
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CMR
JOB NO. C0011–0017 DWG. NO.
SUBMITTED: -- SURV. BY:

STATE OF TEXAS
STEVE E. DUNCAN
83252
LICENSED
PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
38

\\JCCS\share1\G-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Waterline.dwg Jan 04, 2016 - 11:16pm JHC



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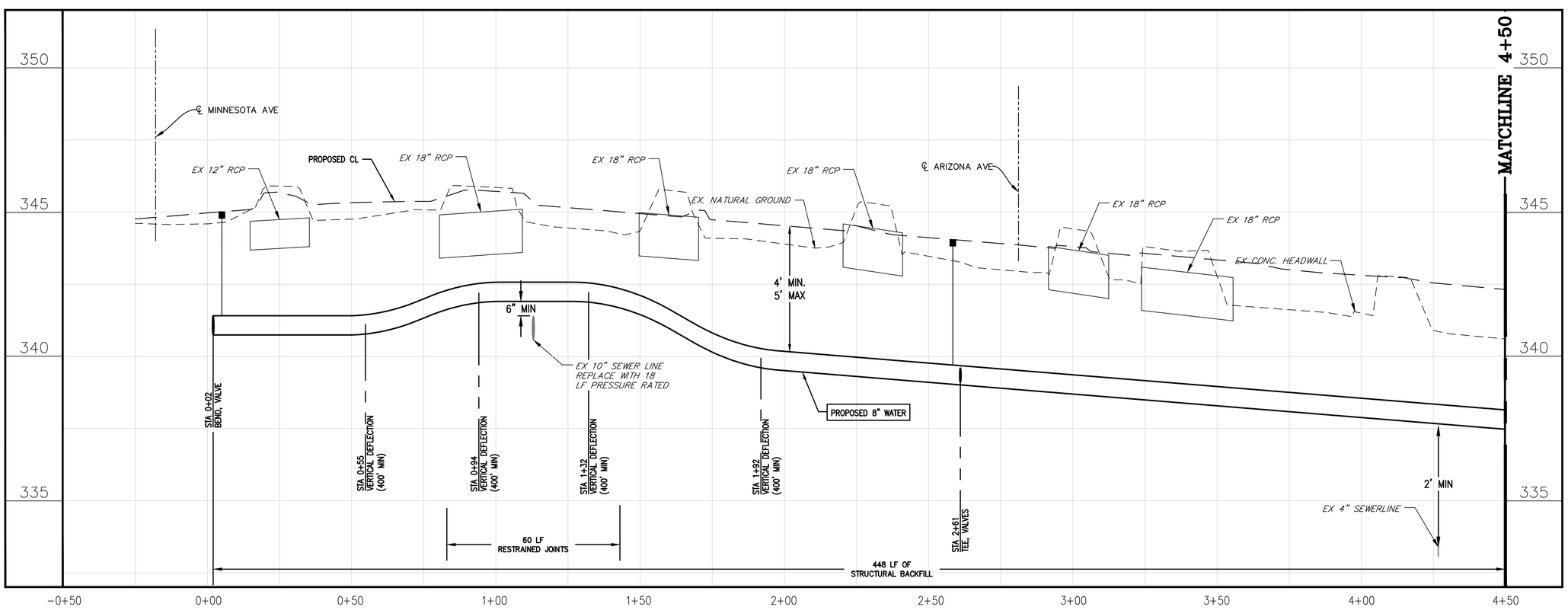

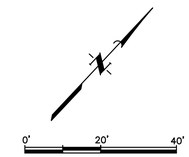

PLAN NOTES:

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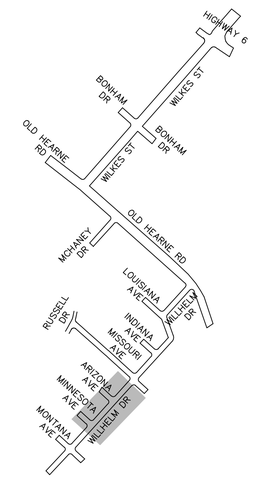


KEY-MAP
NTS

1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

WATERLINE
BASELINE "W3"
STA 0+00 TO STA 4+50

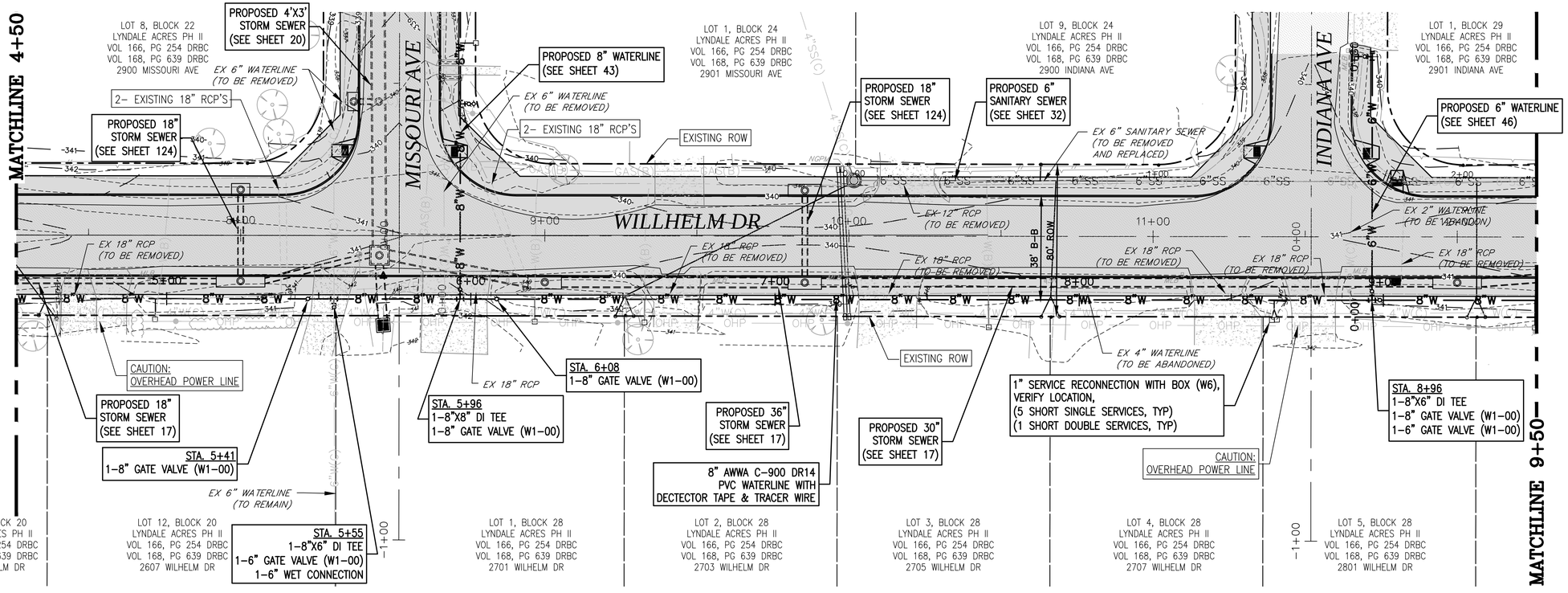
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CMR
JOB NO. C0011–0017 DWG. NO.
SUBMITTED: -- SURV. BY:

STATE OF TEXAS
STEVE E. DUNCAN
83252
PROFESSIONAL ENGINEER
01/14/2016

SHEET NO.
39

S:\Jc-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Waterline.dwg Jan 15, 2016 - 11:26am CCC2



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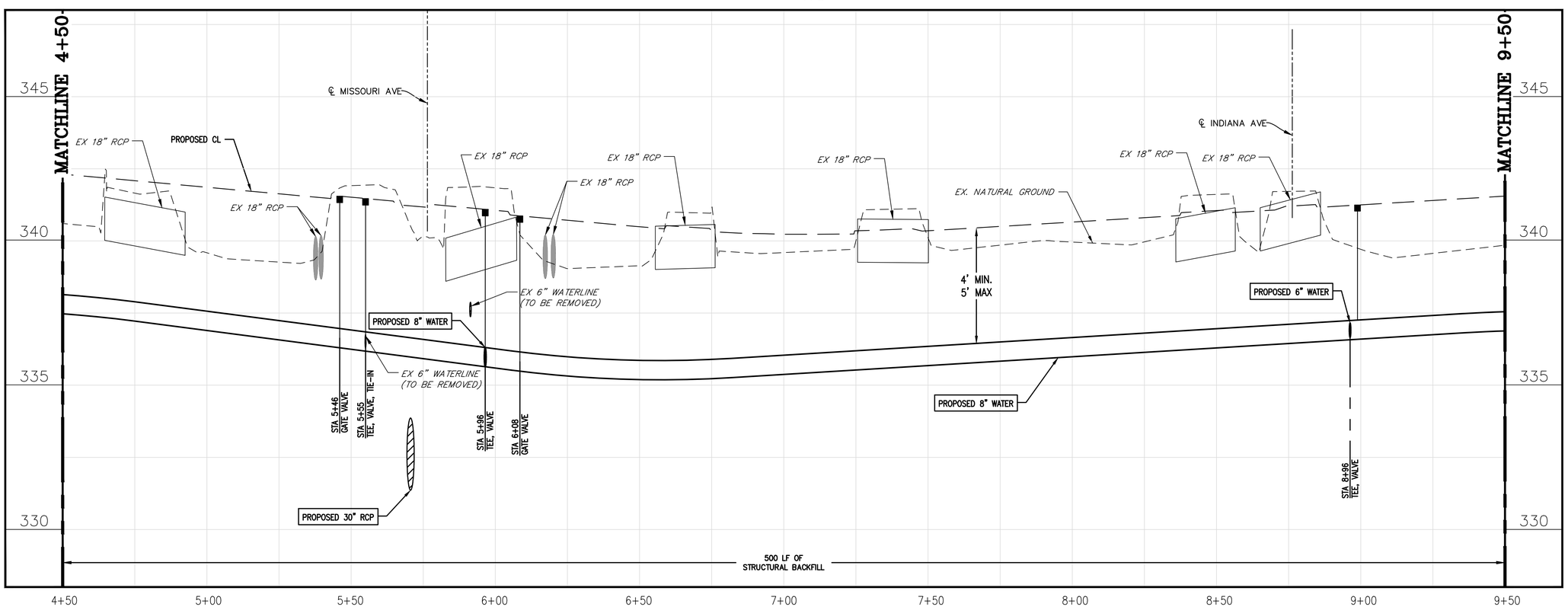

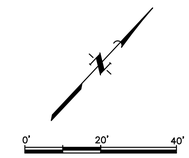

PLAN NOTES:

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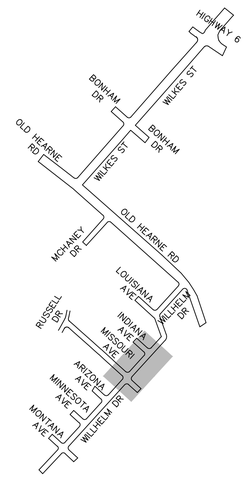

KEY-MAP
NTS

1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD-WILKES STREET REHABILITATION

WATERLINE
BASELINE "W3"
STA 4+50 TO STA 9+50

JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

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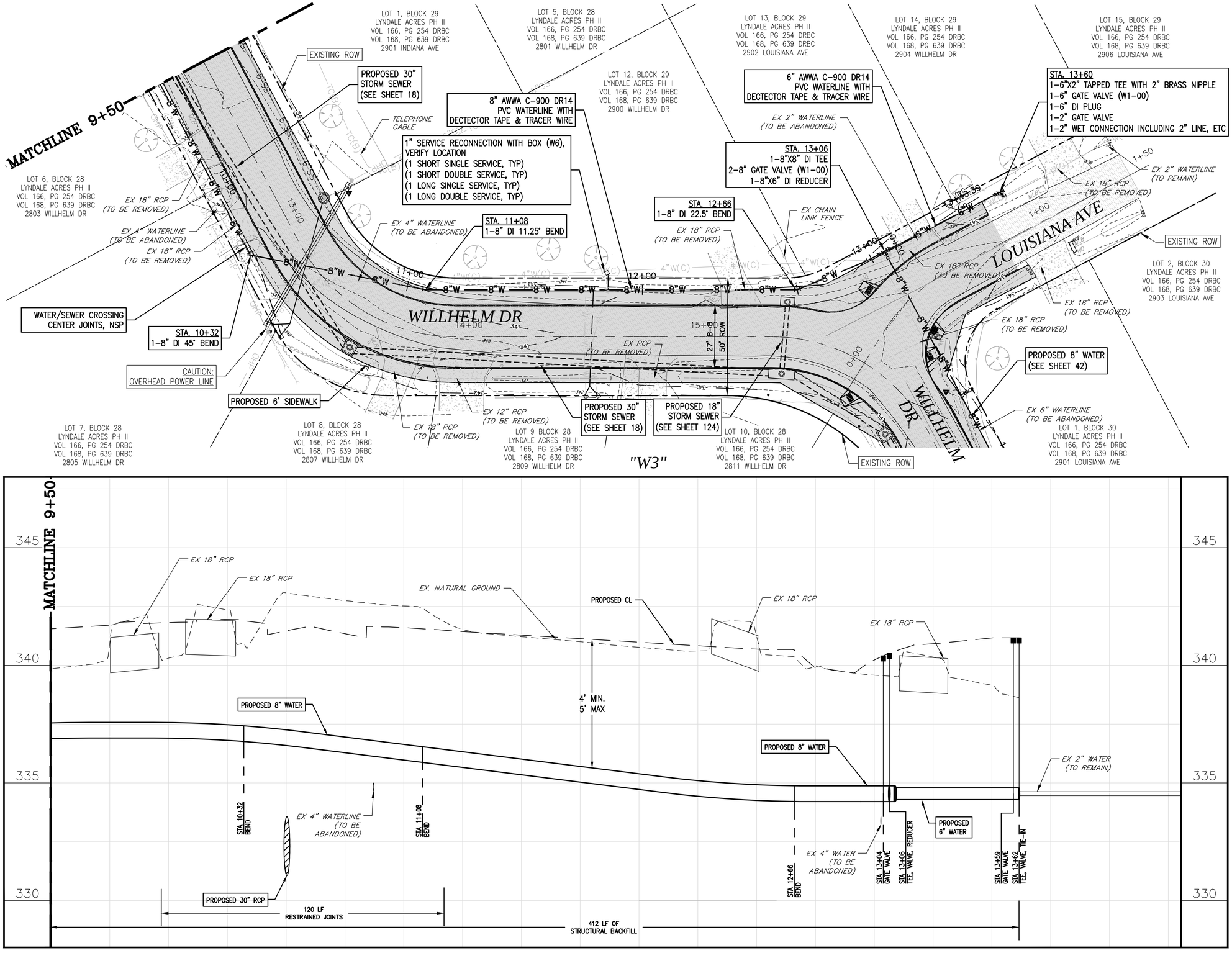
STATE OF TEXAS
STEVE E. DUNCAN
83252
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

SHEET NO.
40

S:\Jc-lab\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Waterline.dwg Jan 15, 2016 - 11:29am CCC2



0' 20' 40'

PLAN NOTES:

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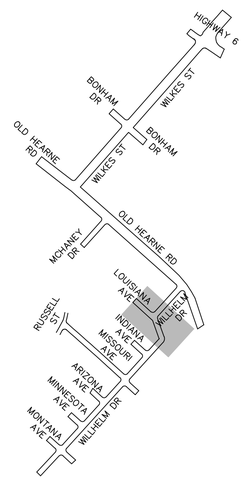

KEY-MAP
NTS

DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

WATERLINE BASELINE "W3" STA 9+50 TO STA 13+60

JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
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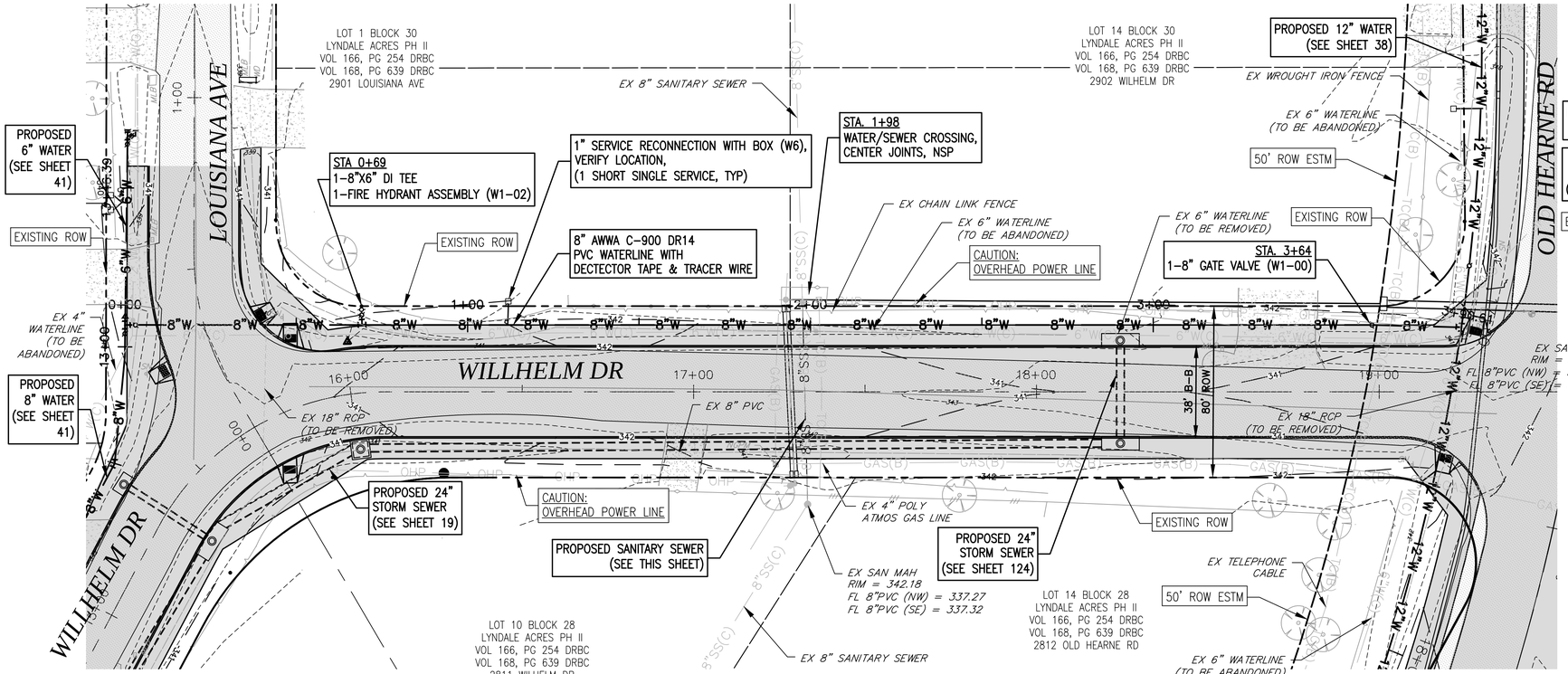
SUBMITTED: -- SURV. BY:

STATE OF TEXAS
STEVE E. DUNCAN
83252
LICENSED
PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
41

\\JCCS\where\O-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Waterline.dwg Jan 04, 2016 - 11:16pm JHC



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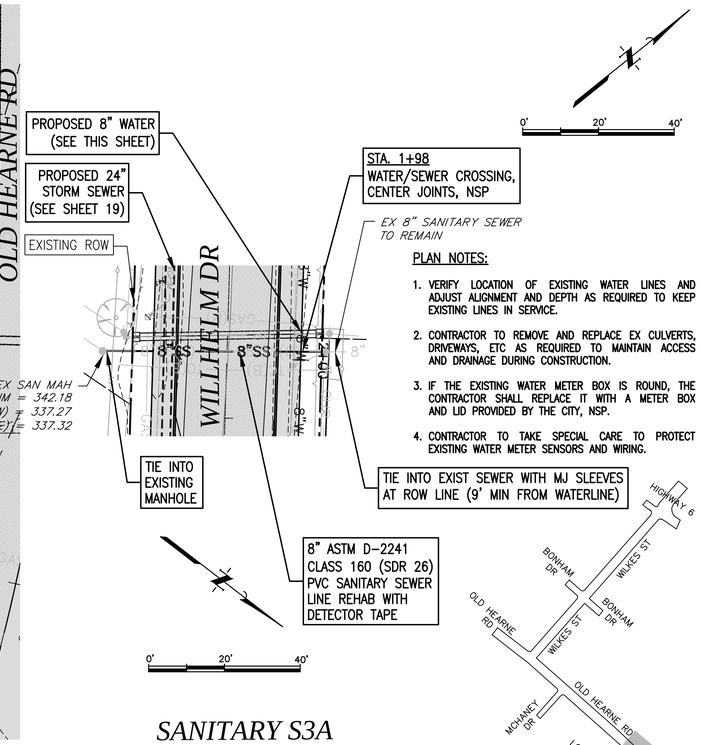

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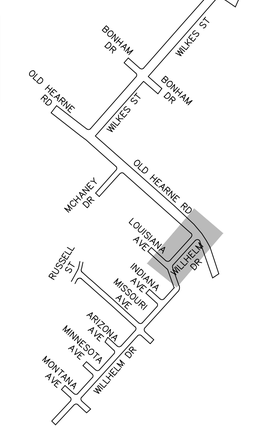
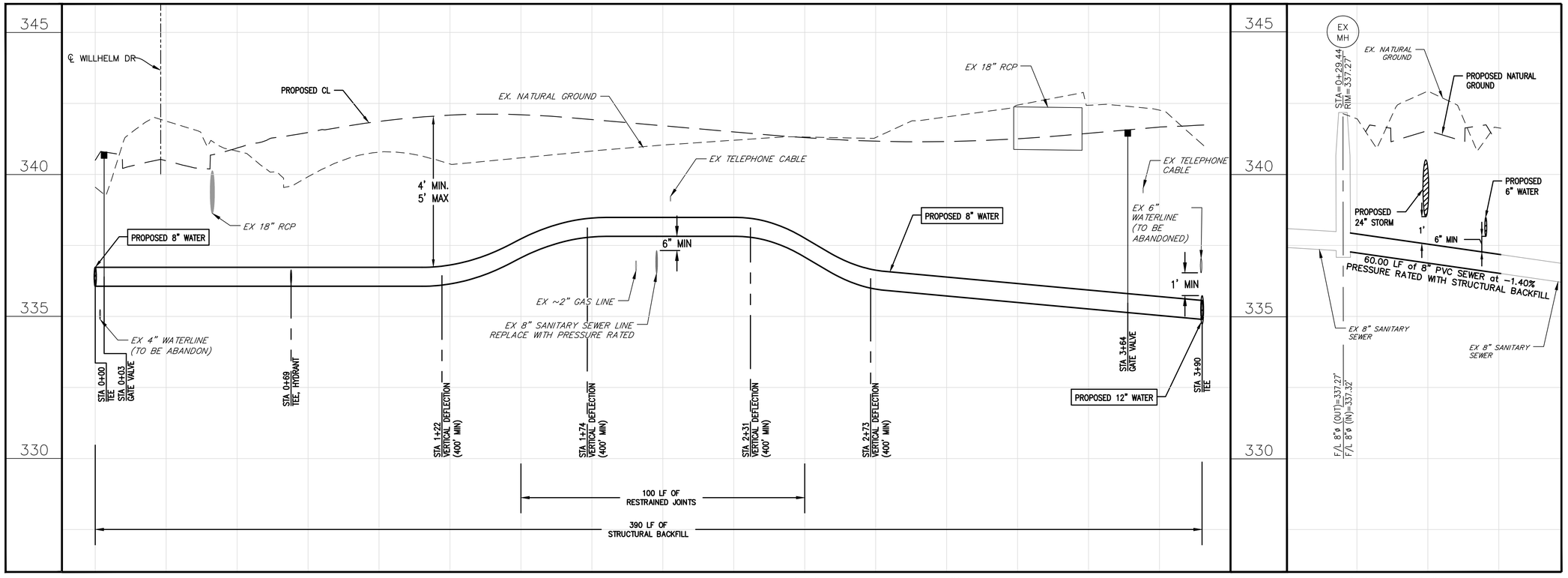
SANITARY S3A



KEY-MAP
NTS



NO.	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET
REHABILITATION
WATERLINE
BASELINE "W3A"
STA 0+00 TO STA 3+91
SANITARY BASELINE S3A

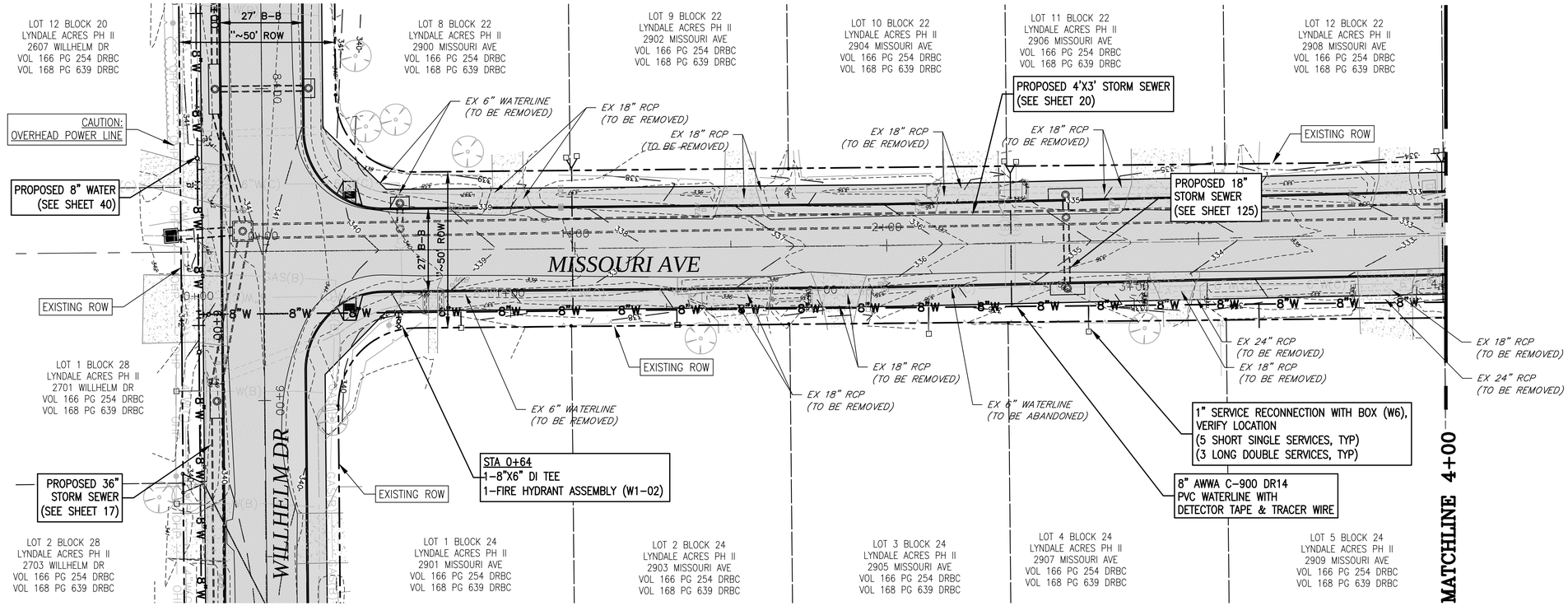
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

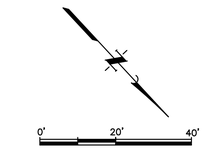
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CMR
JOB NO. C0011-0017 DWG. NO.
SUBMITTED: -- SURV. BY:

STATE OF TEXAS
STEVE E. DUNCAN
83252
LICENSED
PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
42

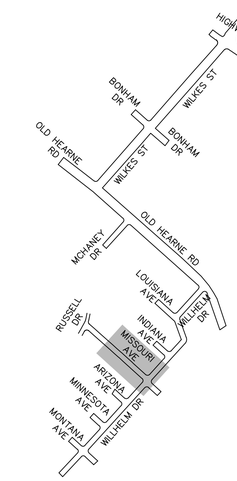
\\JCCS\share1\J-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Waterline.dwg Jan 04, 2016 - 11:17pm JHC





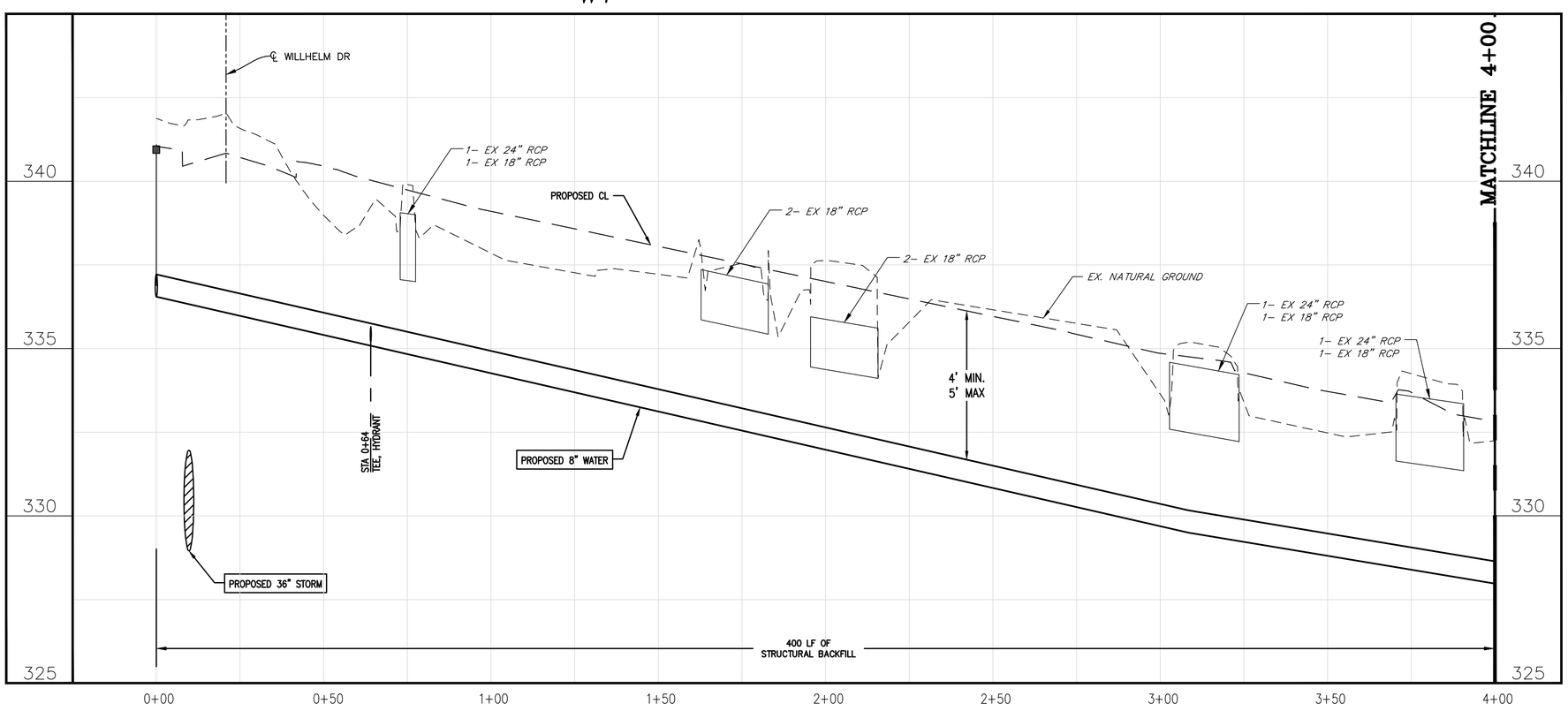
PLAN NOTES:

1. VERIFY LOCATION OF EXISTING WATER LINES AND ADJUST ALIGNMENT AND DEPTH AS REQUIRED TO KEEP EXISTING LINES IN SERVICE.
2. CONTRACTOR TO REMOVE AND REPLACE EX CULVERTS, DRIVEWAYS, ETC AS REQUIRED TO MAINTAIN ACCESS AND DRAINAGE DURING CONSTRUCTION.
3. IF THE EXISTING WATER METER BOX IS ROUND, THE CONTRACTOR SHALL REPLACE IT WITH A METER BOX AND LID PROVIDED BY THE CITY, NSP.
4. CONTRACTOR TO TAKE SPECIAL CARE TO PROTECT EXISTING WATER METER SENSORS AND WIRING.



KEY-MAP
NTS

"W4"



DATE	REVISIONS	APP.
1 01/14/16	CITY COMMENTS	AJB
0 12/29/15	ORIGINAL DESIGN	AJB

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET
REHABILITATION
WATERLINE
BASELINE "W4"
STA 0+00 TO STA 4+00

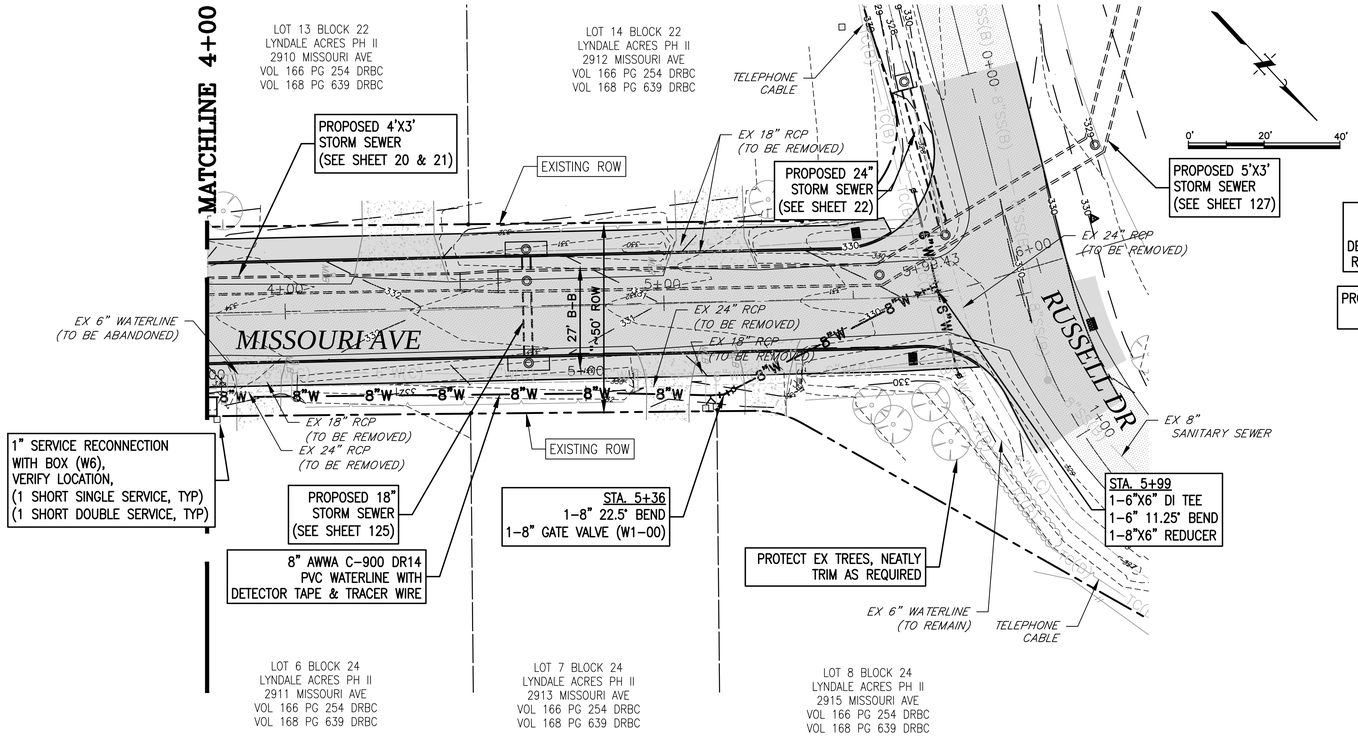
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

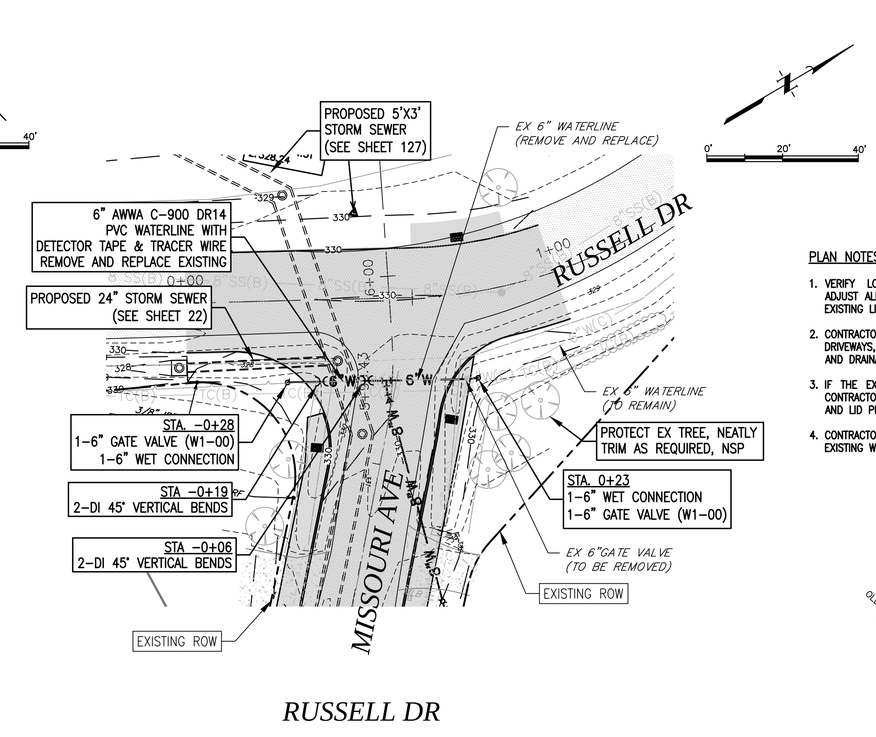
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CMR
JOB NO. C0011–0017 DWG. NO.
SUBMITTED: -- SURV. BY:

STATE OF TEXAS
STEVE E. DUNCAN
83252
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

SHEET NO.
43

S:\Jc-lab\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Waterline.dwg Jan 15, 2016 - 7:47am CCC2





PLAN NOTES:

1. VERIFY LOCATION OF EXISTING WATER LINES AND ADJUST ALIGNMENT AND DEPTH AS REQUIRED TO KEEP EXISTING LINES IN SERVICE.
2. CONTRACTOR TO REMOVE AND REPLACE EX CULVERTS, DRIVEWAYS, ETC AS REQUIRED TO MAINTAIN ACCESS AND DRAINAGE DURING CONSTRUCTION.
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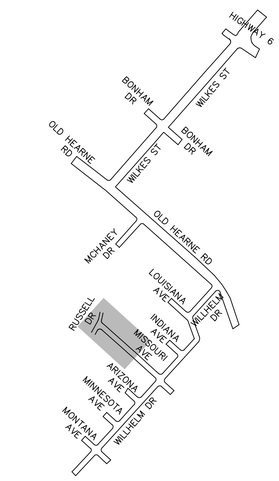
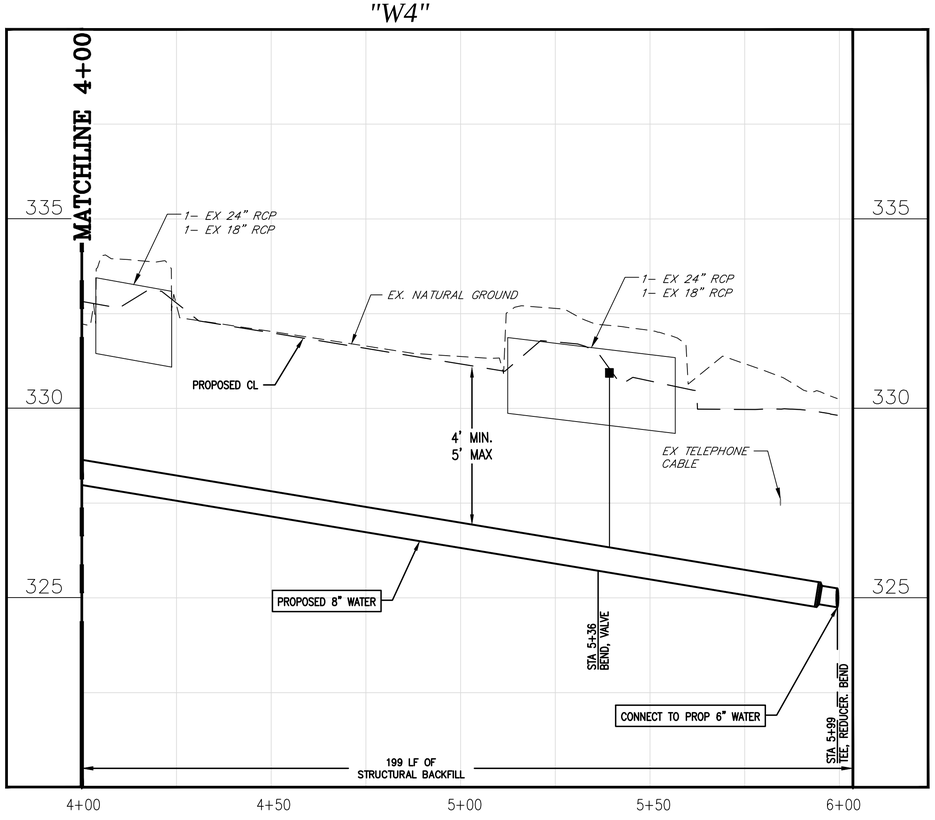
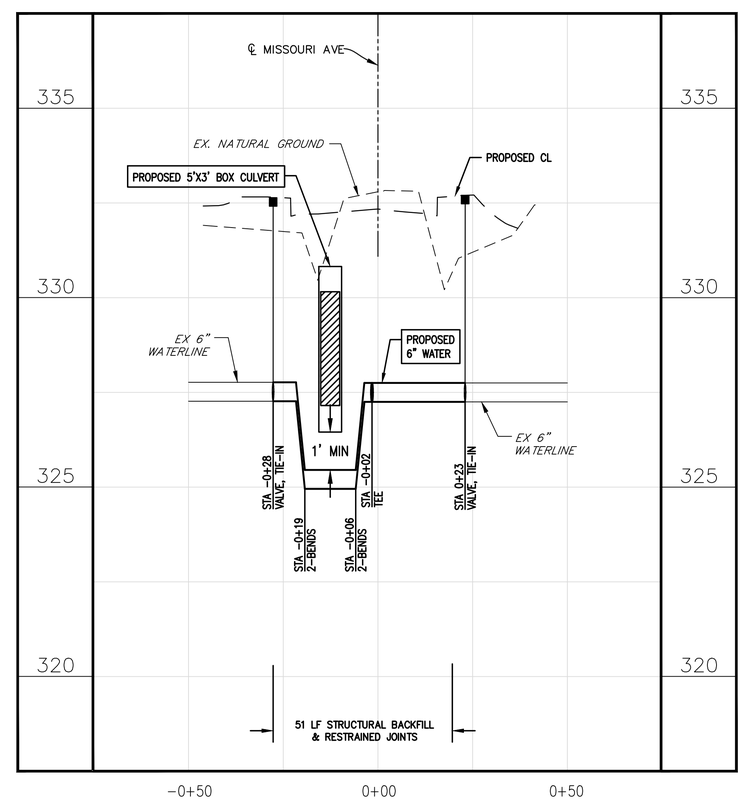


KEY-MAP NTS

"W4"





1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION
WATERLINE
BASELINE "W4"
STA 4+00 TO STA 6+00

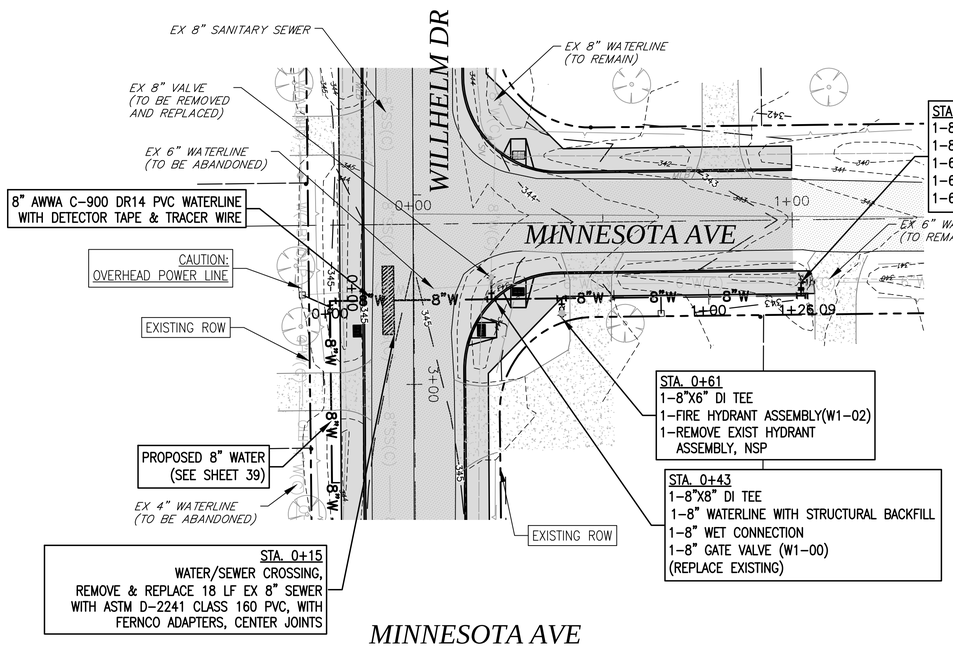
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CMR
JOB NO. C0011–0017 DWG. NO.
SUBMITTED: -- SURV. BY:

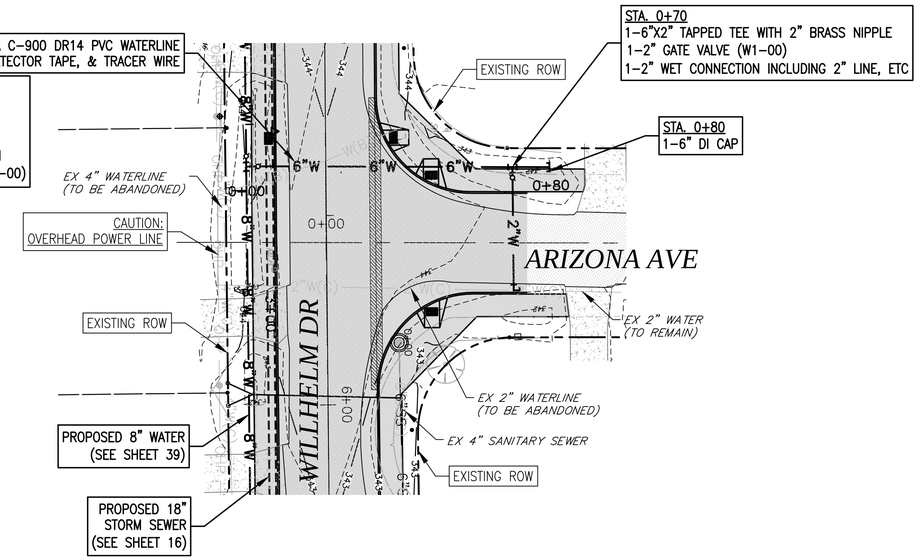
STATE OF TEXAS
STEVE E. DUNCAN
83252
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

SHEET NO.
44

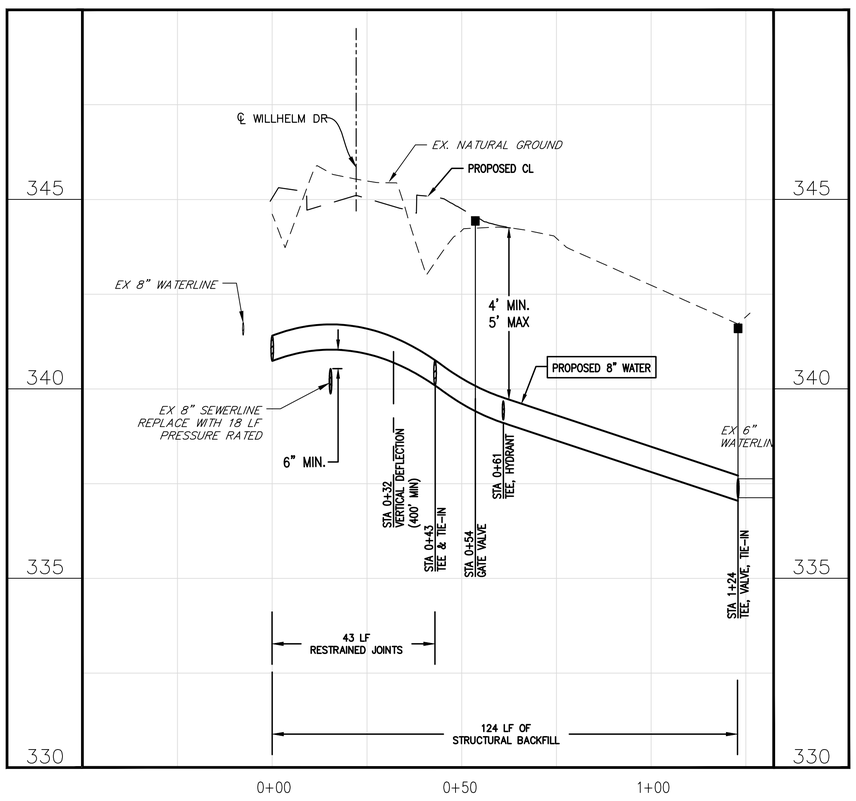
S:\Jc-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Waterline.dwg Jan 14, 2016 - 10:42pm CCC2

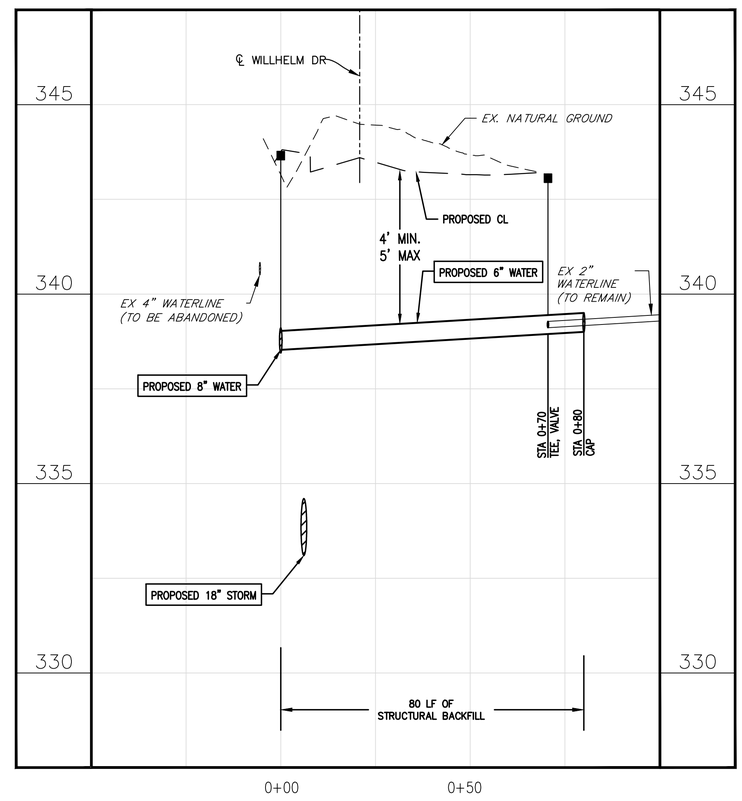


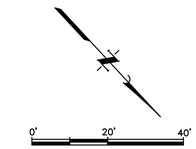
MINNESOTA AVE



ARIZONA AVE







PLAN NOTES:

1. VERIFY LOCATION OF EXISTING WATER LINES AND ADJUST ALIGNMENT AND DEPTH AS REQUIRED TO KEEP EXISTING LINES IN SERVICE.
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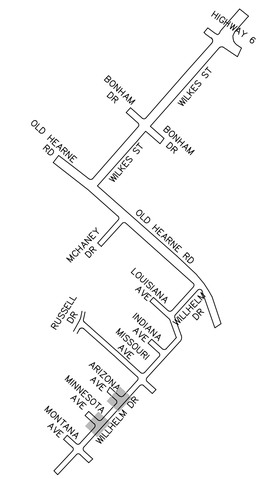


KEY-MAP
NTS

1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

MINNESOTA AVE & ARIZONA AVE WATERLINE CROSS SECTION

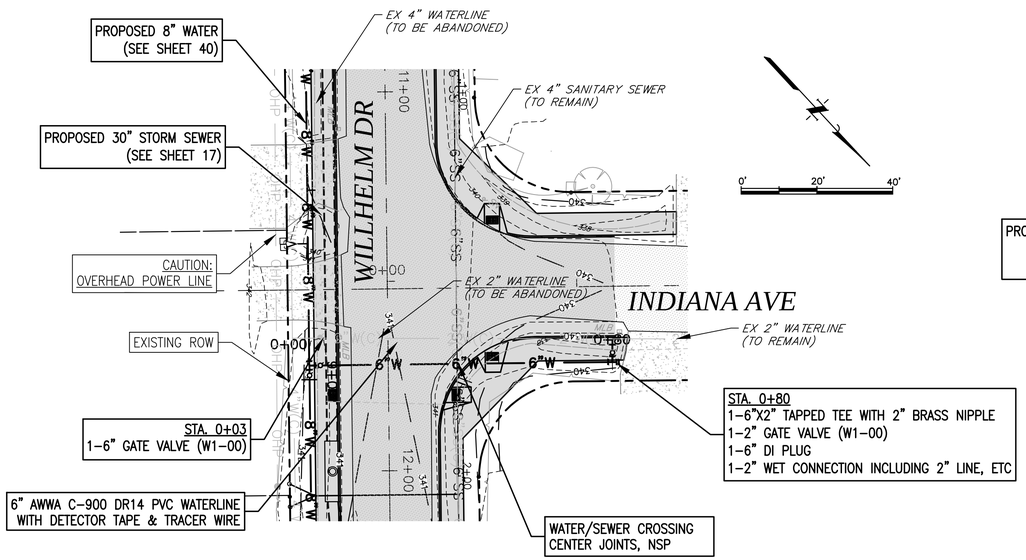
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

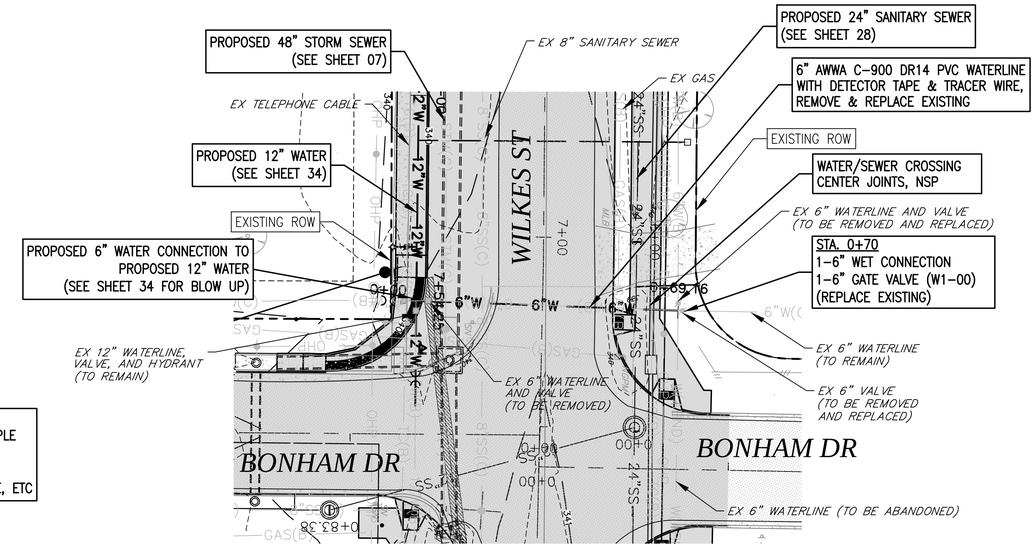
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CMR
JOB NO. C0011-0017 DWG. NO.
SUBMITTED: -- SURV. BY:

STATE OF TEXAS
STEVE E. DUNCAN
83252
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

SHEET NO.
45

S:\Jc-lab\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Waterline.dwg Jan 14, 2016 - 10:44am CCC2





PLAN NOTES:

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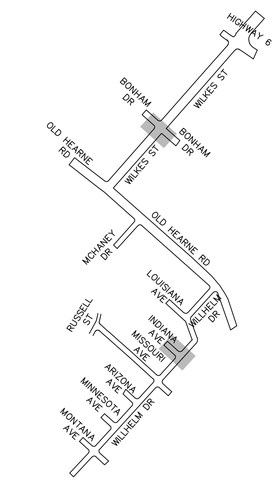
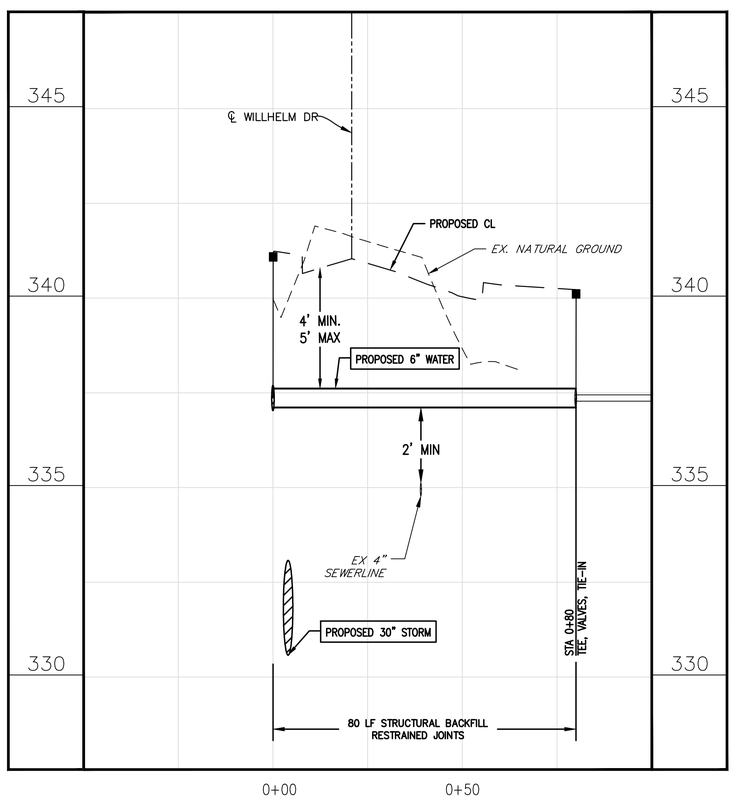


KEY-MAP
NTS

INDIANA AVE



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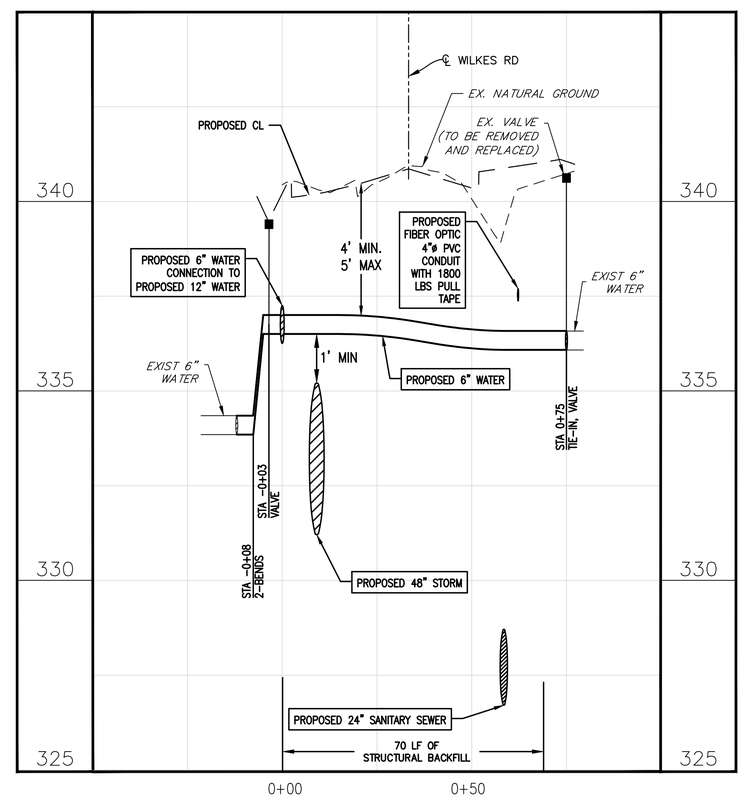
(STA 7+54)



DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

INDIANA AVE & WILKES ST WATERLINE CROSS SECTION

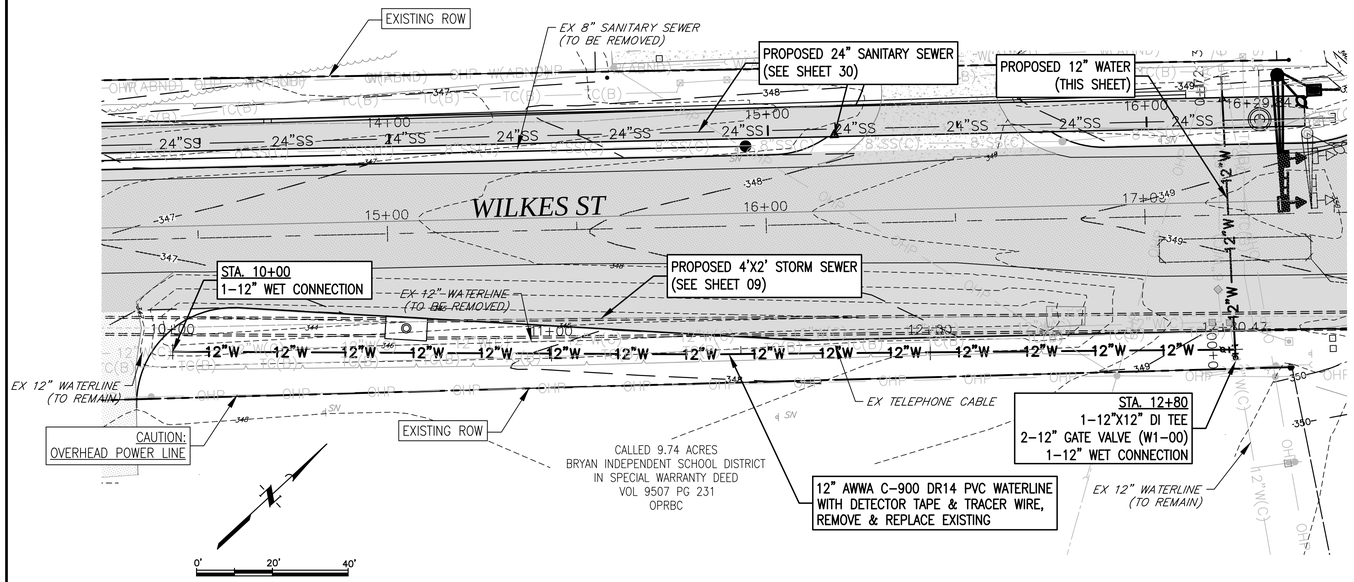
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED
DGN. BY: JHC
DATE: AS NOTED
DWN. BY: CMR
JOB NO. C0011-0017
DWG. NO.
SUBMITTED: --
SURV. BY:

STATE OF TEXAS
STEVE E. DUNCAN
83252
LICENSED PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
46

\\JCCS\where1\O-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Waterline.dwg Jan 04, 2016 - 11:18am JHC



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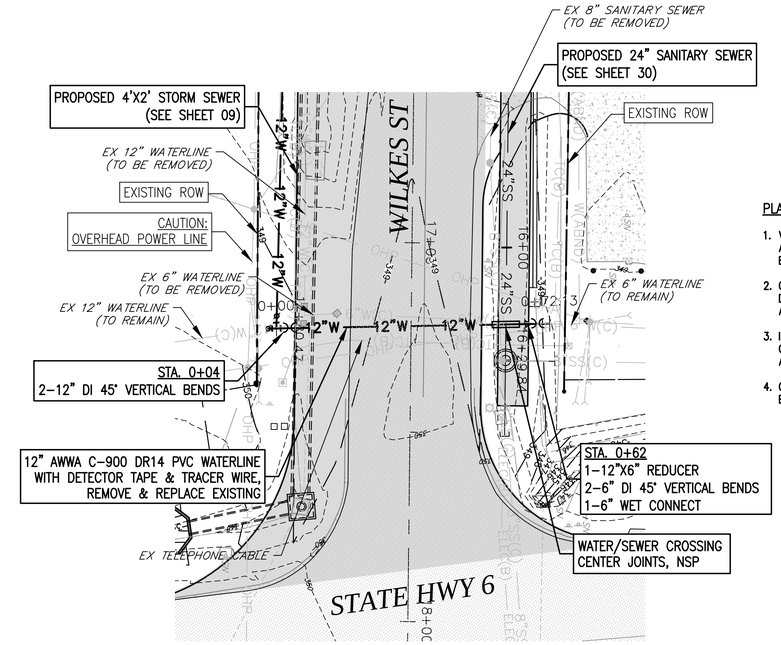
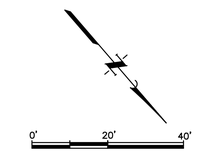


WILKES ST
(STA 12+80)



PLAN NOTES:

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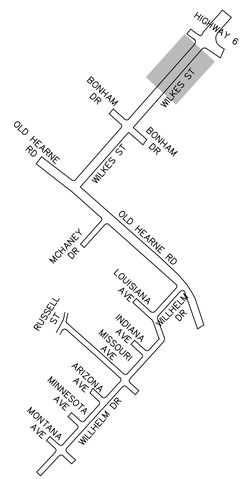
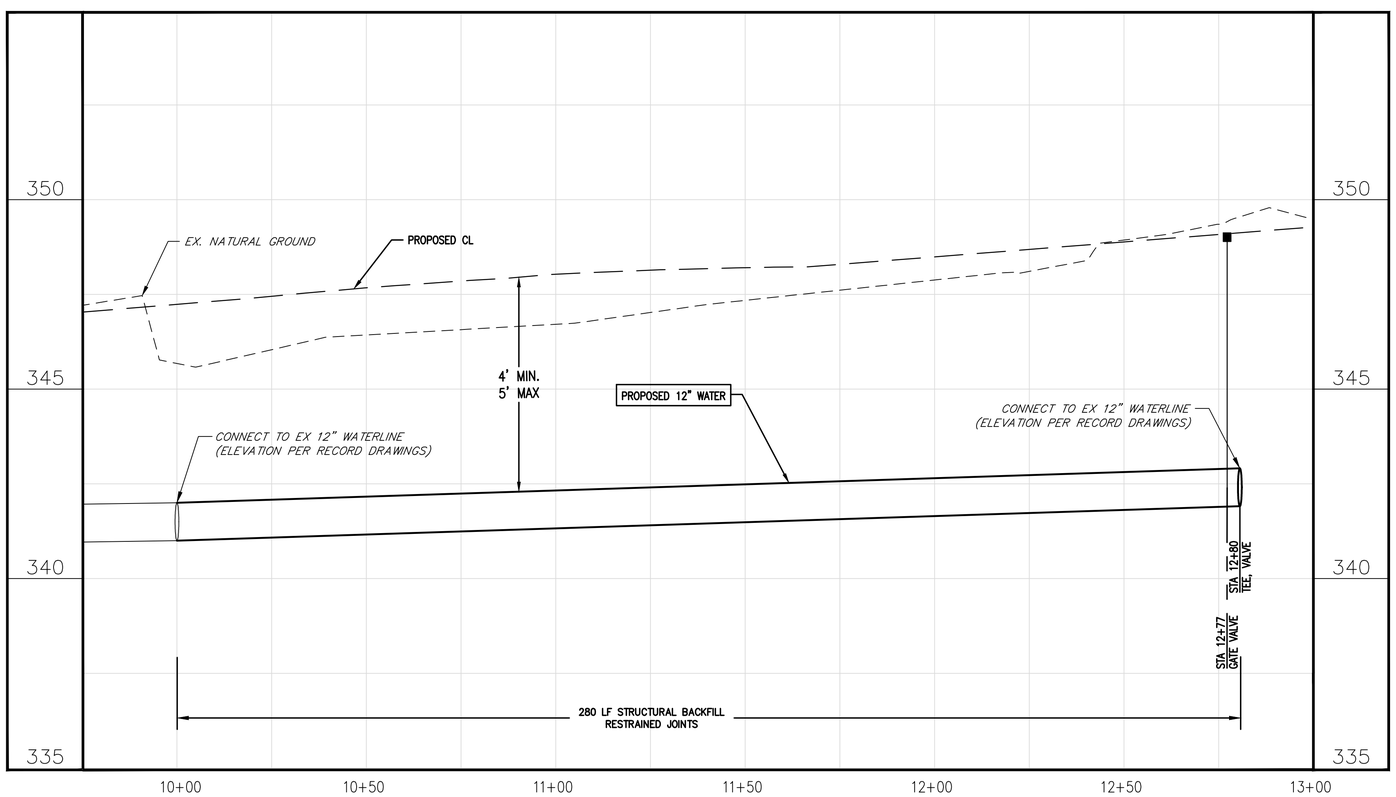
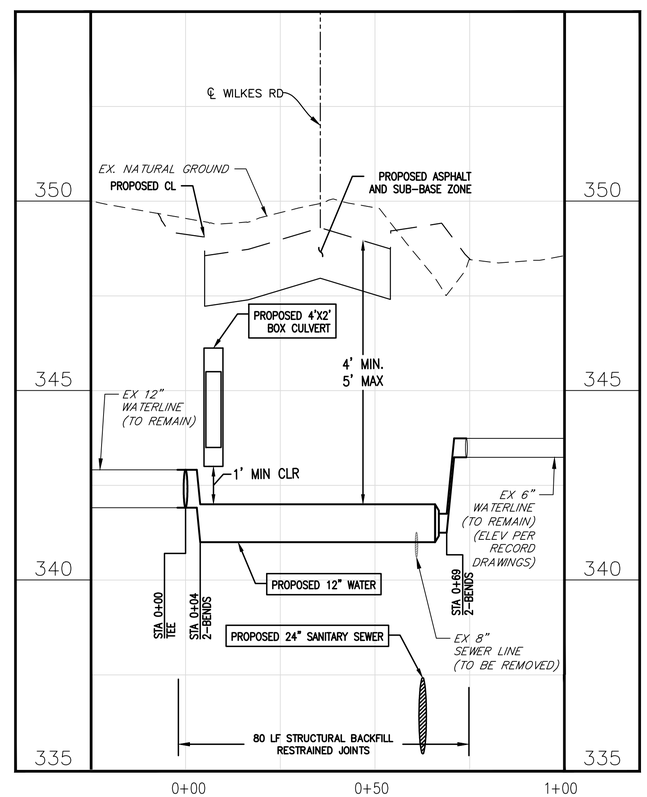


KEY-MAP
NTS





DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

WILKES ST
WATERLINE CROSS SECTION

JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

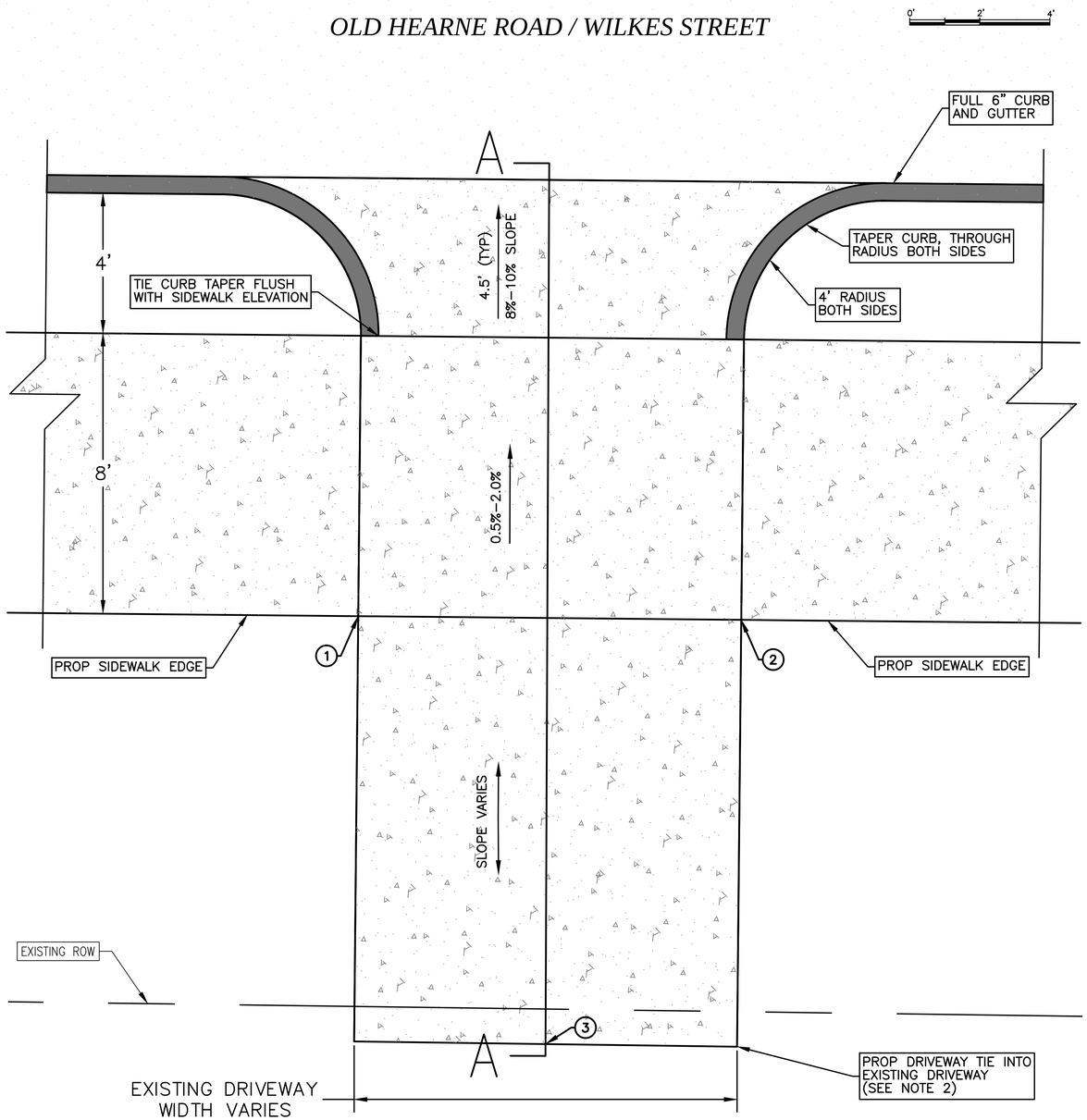
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CMR
JOB NO. C0011-0017 DWG. NO.
SUBMITTED: -- SURV. BY:

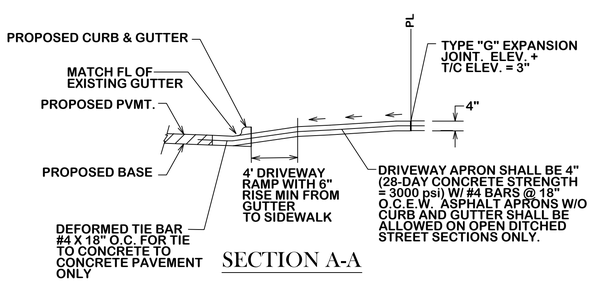
STATE OF TEXAS
STEVE E. DUNCAN
83252
LICENSED
PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
47

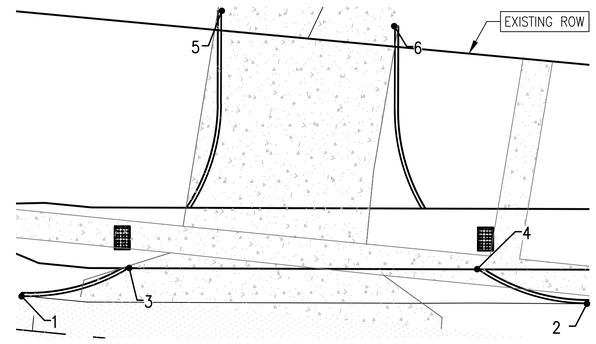
\\JCCS\share1\0-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Waterline.dwg Jan 04, 2016 - 11:18am JHC

OLD HEARNE ROAD / WILKES STREET

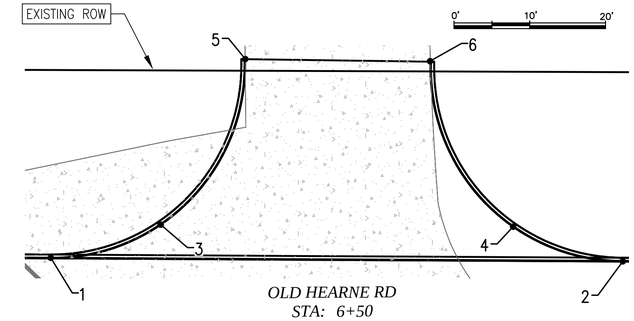




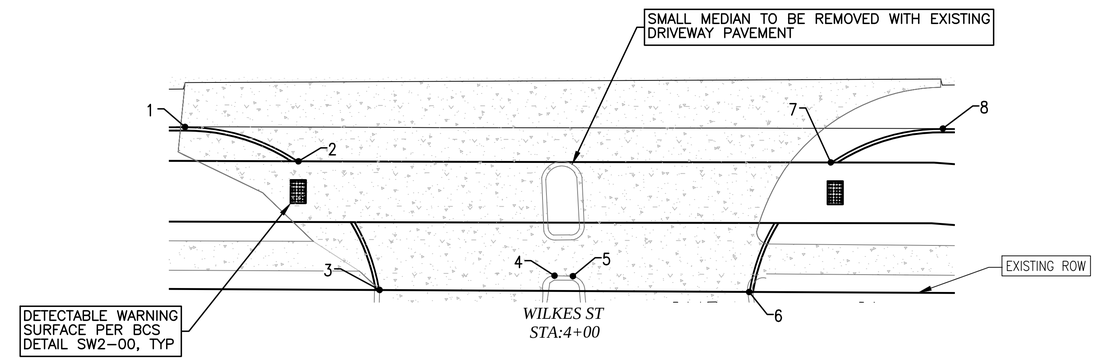
SECTION A-A



OLD HEARNE RD
STA: -3+15



OLD HEARNE RD
STA: 6+50



WILKES ST
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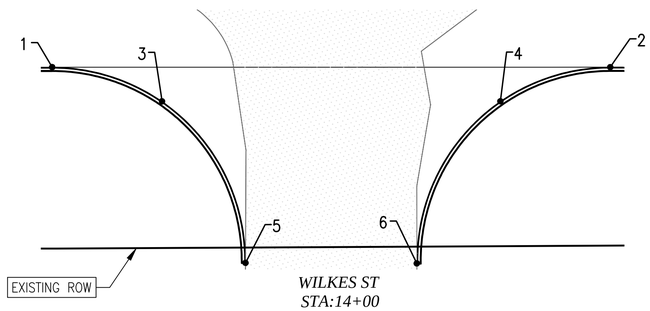
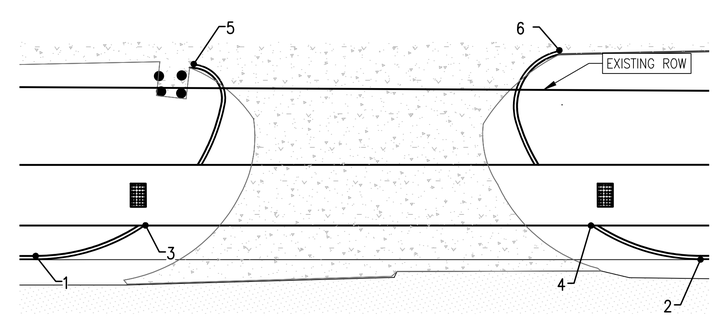


WILKES ST
STA:14+00



WILKES ST
STA:16+50

NOTE:

1. REFER TO SHEET 49 FOR ADDITIONAL DRIVEWAY DETAILS.
2. DRIVEWAY TO TIE INTO EXISTING CONSTRUCTION/CONTROL JOINT. DRIVEWAY SLOPE NOT TO EXCEED 13%

	DATE	REVISIONS	APP.
1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

OLD HEARNE ROAD & WILKES STREET DRIVEWAY DETAIL 1

JONES|CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

SHEET NO.
48

S:\Jc-job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Driveway Detail & Table.dwg Jan 15, 2016 - 11:51am CCC2

RESIDENTIAL DRIVEWAYS

	OLD HEARNE BASELINE		
DRIVEWAY	STATION	LONGITUDINAL SLOPE	AREA (SF)
01	-2+57	-9.46%	280
02	0+26	-7.50%	460
03	0+69	-6.69%	925
04	1+65	-5.09%	455
05	2+08	-5.74%	690
06	2+73	-5.93%	470
07	5+68	-3.01%	490
08	6+25	-2.41%	1085
09	6+59	-2.77%	635
10	7+21	-3.69%	500
11	7+90	-4.82%	1070
12	8+99	-3.94%	595
13	9+33	-5.15%	630
14	10+03	-1.71%	720
15	10+82	0.80%	430
16	11+42	2.27%	880
17	12+52	2.48%	640
18	14+85	1.94%	720

DRIVEWAY	OLD HEARNE BASELINE		
01	POINT	STATION, OFFSET	ELEVATION
	1	-2+62.36 , 31.00' RT	T/P=340.12'
	2	-2+51.43 , 31.00' RT	T/P=340.03'
	3	-2+56.31 , 43.16' RT	T/P=338.91'
02	POINT	STATION, OFFSET	ELEVATION
	1	0+20.70 , 31.00' RT	T/P=338.28'
	2	0+32.34 , 31.00' RT	T/P=338.21'
	3	0+24.86 , 56.87' RT	T/P=336.31'
03	POINT	STATION, OFFSET	ELEVATION
	1	0+56.74 , 31.00' RT	T/P=338.06'
	2	00+80.59 , 31.00' RT	T/P=337.92'
	3	0+66.82 , 56.71' RT	T/P=336.28'
04	POINT	STATION, OFFSET	ELEVATION
	1	1+58.76 , 31.00' RT	T/P=337.87'
	2	1+70.41 , 31.00' RT	T/P=337.93'
	3	1+64.61 , 56.52' RT	T/P=336.60'
05	POINT	STATION, OFFSET	ELEVATION
	1	1+98.56 , 31.00' RT	T/P=338.1'
	2	2+16.45 , 31.00' RT	T/P=338.2'
	3	2+05.54 , 56.45' RT	T/P=336.68'

DRIVEWAY	OLD HEARNE BASELINE		
06	POINT	STATION, OFFSET	ELEVATION
	1	2+66.79 , 31.00' RT	T/P=338.5'
	2	2+78.61 , 31.00' RT	T/P=338.58'
	3	2+71.49 , 56.32' RT	T/P=337.04'
07	POINT	STATION, OFFSET	ELEVATION
	1	5+61.39 , 31.00' RT	T/P=338.54'
	2	5+74.24 , 31.00' RT	T/P=338.47'
	3	5+66.70 , 55.75' RT	T/P=337.76'
08	POINT	STATION, OFFSET	ELEVATION
	1	6+10.17 , 31.00' RT	T/P=338.44'
	2	6+39.18 , 31.00' RT	T/P=338.58'
	3	6+23.56 , 55.65' RT	T/P=337.9'
09	POINT	STATION, OFFSET	ELEVATION
	1	6+50.64 , 31.00' RT	T/P=338.67'
	2	6+67.39 , 31.00' RT	T/P=338.79'
	3	6+57.49 , 55.58' RT	T/P=338.03'
10	POINT	STATION, OFFSET	ELEVATION
	1	7+14.79 , 31.00' RT	T/P=339.14'
	2	7+27.94 , 31.00' RT	T/P=339.24'
	3	7+20.77 , 55.46' RT	T/P=338.29'

DRIVEWAY	OLD HEARNE BASELINE		
11	POINT	STATION, OFFSET	ELEVATION
	1	7+75.34 , 31.00' RT	T/P=339.59'
	2	8+04.17 , 31.00' RT	T/P=339.8'
	3	7+86.79 , 55.33' RT	T/P=338.51'
12	POINT	STATION, OFFSET	ELEVATION
	1	8+90.87 , 31.00' RT	T/P=340.33'
	2	9+06.77 , 31.00' RT	T/P=340.35'
	3	8+97.51 , 55.12' RT	T/P=339.39'
13	POINT	STATION, OFFSET	ELEVATION
	1	9+24.30 , 31.00' RT	T/P=340.32'
	2	9+41.28 , 31.00' RT	T/P=340.26'
	3	9+31.24 , 55.06' RT	T/P=339.05'
14	POINT	STATION, OFFSET	ELEVATION
	1	9+93.63 , 31.00' RT	T/P=339.95'
	2	10+13.14 , 31.00' RT	T/P=339.85'
	3	10+01.93 , 54.92' RT	T/P=339.49'
15	POINT	STATION, OFFSET	ELEVATION
	1	10+76.42 , 31.00' RT	T/P=339.89'
	2	10+87.80 , 31.00' RT	T/P=339.96'
	3	10+81.10 , 55.12' RT	T/P=340.11'

DRIVEWAY	OLD HEARNE BASELINE		
16	POINT	STATION, OFFSET	ELEVATION
	1	11+29.80 , 31.00' RT	T/P=340.31'
	2	11+53.29 , 31.00' RT	T/P=340.52'
	3	11+43.59 , 55.43' RT	T/P=341.'
17	POINT	STATION, OFFSET	ELEVATION
	1	12+43.70 , 31.00' RT	T/P=341.3'
	2	12+59.47 , 31.00' RT	T/P=341.44'
	3	12+47.96 , 56.05' RT	T/P=341.97'
18	POINT	STATION, OFFSET	ELEVATION
	1	14+74.44 , 31.02' RT	T/P=343.32'
	2	14+93.76 , 31.02' RT	T/P=343.49'
	3	14+84.81 , 58.62' RT	T/P=343.94'

	WILKES BASELINE		
DRIVEWAY	STATION	LONGITUDINAL SLOPE	AREA (SF)
01	13+14	-6.40%	405
02	12+83	-6.26%	385
03	12+21	-2.43%	440
04	11+55	1.69%	410
05	10+48	9.15%	820
06	10+13	9.17%	200
07	8+84	5.74%	410
08	8+19	-0.33%	650
09	7+05	-2.66%	270
10	5+96	4.26%	260
11	5+70	4.02%	370
12	5+02	3.49%	370
13	3+88	-6.68%	430
14	3+23	-9.83%	615
15	2+12	3.64%	270
16	1+57	3.48%	345

DRIVEWAY	WILKES BASELINE		
01	POINT	STATION, OFFSET	ELEVATION
	1	13+22.42 , 31.00' LT	T/P=345.76'
	2	13+05.15 , 31.00' LT	T/P=345.51'
	3	13+14.02 , 41.32' LT	T/P=344.97'
02	POINT	STATION, OFFSET	ELEVATION
	1	12+91.22 , 31.00' LT	T/P=345.31'
	2	12+74.83 , 31.00' LT	T/P=345.07'
	3	12+82.82 , 41.28' LT	T/P=344.54'
03	POINT	STATION, OFFSET	ELEVATION
	1	12+30.31 , 31.00' LT	T/P=344.42'
	2	12+11.33 , 31.00' LT	T/P=344.15'
	3	12+21.01 , 41.2' LT	T/P=344.03'
04	POINT	STATION, OFFSET	ELEVATION
	1	11+63.76 , 31.00' LT	T/P=343.46'
	2	11+46.00 , 31.00' LT	T/P=343.20'
	3	11+54.43 , 41.11' LT	T/P=343.49'

DRIVEWAY	WILKES BASELINE		
05	POINT	STATION, OFFSET	ELEVATION
	1	10+65.44 , 31.00' LT	T/P=342.03'
	2	10+29.70 , 31.00' LT	T/P=341.51'
	3	10+49.08 , 40.98' LT	T/P=342.71'
06	POINT	STATION, OFFSET	ELEVATION
	1	10+17.56 , 31.00' LT	T/P=341.34'
	2	10+08.98 , 31.00' LT	T/P=341.22'
	3	10+12.88 , 40.93' LT	T/P=342.19'
07	POINT	STATION, OFFSET	ELEVATION
	1	8+92.65 , 31.00' LT	T/P=341.01'
	2	8+74.72 , 31.00' LT	T/P=341.12'
	3	8+84.06 , 40.76' LT	T/P=341.62'
08	POINT	STATION, OFFSET	ELEVATION
	1	8+33.70 , 31.00' LT	T/P=341.34'
	2	8+03.97 , 31.00' LT	T/P=341.39'
	3	8+20.22 , 40.68' LT	T/P=341.41'

DRIVEWAY	WILKES BASELINE		
09	POINT	STATION, OFFSET	ELEVATION
	1	7+10.27 , 31.00' LT	T/P=340.82'
	2	6+98.34 , 31.00' LT	T/P=340.72'
	3	7+03.46 , 39.18' LT	T/P=340.55'
10	POINT	STATION, OFFSET	ELEVATION
	1	6+01.76 , 31.00' LT	T/P=339.91'
	2	5+89.66 , 31.00' LT	T/P=339.81'
	3	5+95.94 , 39.10' LT	T/P=340.21'
11	POINT	STATION, OFFSET	ELEVATION
	1	5+78.28 , 31.00' LT	T/P=339.72'
	2	5+60.84 , 31.00' LT	T/P=339.57'
	3	5+68.34 , 39.09' LT	T/P=339.96'
12	POINT	STATION, OFFSET	ELEVATION
	1	5+10.94 , 31.00' LT	T/P=339.16'
	2	4+93.46 , 31.00' LT	T/P=339.07'
	3	5+02.36 , 39.04' LT	T/P=339.39'

DRIVEWAY	WILKES BASELINE		
13	POINT	STATION, OFFSET	ELEVATION
	1	3+97.70 , 31.00' LT	T/P=339.35'
	2	3+77.27 , 31.00' LT	T/P=339.50'
	3	3+88.43 , 38.96' LT	T/P=338.88'
14	POINT	STATION, OFFSET	ELEVATION
	1	3+34.71 , 31.00' LT	T/P=339.78'
	2	3+11.01 , 31.00' LT	T/P=339.81'
	3	3+23.43 , 43.83' LT	T/P=338.55'
15	POINT	STATION, OFFSET	ELEVATION
	1	2+18.80 , 31.00' LT	T/P=338.91'
	2	2+05.97 , 31.00' LT	T/P=338.82'
	3	2+12.80 , 38.60' LT	T/P=339.14'
16	POINT	STATION, OFFSET	ELEVATION
	1	1+65.50 , 31.00' LT	T/P=338.75'
	2	1+48.89 , 31.00' LT	T/P=338.82'
	3	1+55.45 , 38.48' LT	T/P=339.05'

COMMERCIAL DRIVEWAYS

	OLD HEARNE BASELINE		
DRIVEWAY	STATION	LONGITUDINAL SLOPE	AREA (SF)
01	-3+15	-8.99%	1205
02	6+57.5	9.64%	970

DRIVEWAY	OLD HEARNE BASELINE		
01	POINT	STATION, OFFSET	ELEVATION
	1	-3+51.90 , 4.88' LT	T/P=340.24'
	2	-2+77.56 , 11.15' LT	T/P=339.68'
	3	-3+39.02 , 9.41' LT	T/P=T/C=340.72'
	4	-2+91.44 , 13.87' LT	T/P=T/C=340.31'
	5	-3+28.55 , 32.17' LT	T/P=338.58'
	6	-3+04.78 , 33.17' LT	T/P=338.18'

DRIVEWAY	OLD HEARNE BASELINE		
02	POINT	STATION, OFFSET	ELEVATION
	1	6+19.79 , 18.50' LT	T/P=337.85'
	2	6+95.24 , 18.50' LT	T/P=338.37'
	3	6+33.36 , 23.00' LT	T/P=338.36'
	4	6+81.67 , 23.00' LT	T/P=338.70'
	5	6+44.79 , 44.00' LT	T/P=340.04'
	6	6+70.24 , 44.00' LT	T/P=340.09'

	WILKES BASELINE		
DRIVEWAY	STATION	LONGITUDINAL SLOPE	AREA (SF)
03	3+85	4.27%	1256
04	4+15	6.23%	
05	14+21	6.84%	905
06	16+46	2.10%	1325

DRIVEWAY	WILKES BASELINE		
03	POINT	STATION, OFFSET	ELEVATION
	1	3+51.17 , 18.50' RT	T/P=339.07'
	2	3+66.14 , 23.00' RT	T/P=339.15'
	3	3+76.50 , 37.93' RT	T/P=339.60'
	4	4+00.06 , 38.01' RT	T/P=339.86'

DRIVEWAY	WILKES BASELINE		
04	POINT	STATION, OFFSET	ELEVATION
	5	4.02.37 , 38.07' RT	T/P=339.89'
	6	4+26.02 , 38.10' RT	T/P=339.97'
	7	4+36.38 , 23.00' RT	T/P=338.75'
	8	4+51.17 , 18.50' RT	T/P=338.41'

DRIVEWAY	WILKES BASELINE		
05	POINT	STATION, OFFSET	ELEVATION
	1	13+84.51 , 18.50' RT	T/P=346.04'
	2	14+58.18 , 18.50' RT	T/P=346.72'
	3	13+99.03 , 23.00' RT	T/P=346.56'
	4	14+43.73 , 23.00' RT	T/P=346.91'
	5	14+10.06 , 44.42' RT	T/P=347.60'
	6	14+32.68 , 44.33' RT	T/P=347.98'

DRIVEWAY	WILKES BASELINE		
06	POINT	STATION, OFFSET	ELEVATION
	1	16+02.36 , 18.50' LT	T/P=347.82'
	2	16+90.09 , 18.50' LT	T/P=348.50'
	3	16+16.82 , 23.00' LT	T/P=348.03'
	4	16+75.62 , 23.00' LT	T/P=348.48'
	5	16+23.21 , 44.21' LT	T/P=348.51'
	6	16+71.54 , 46.09' LT	T/P=348.88'

DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

OLD HEARNE ROAD & WILKES STREET DRIVEWAY TABLE 1

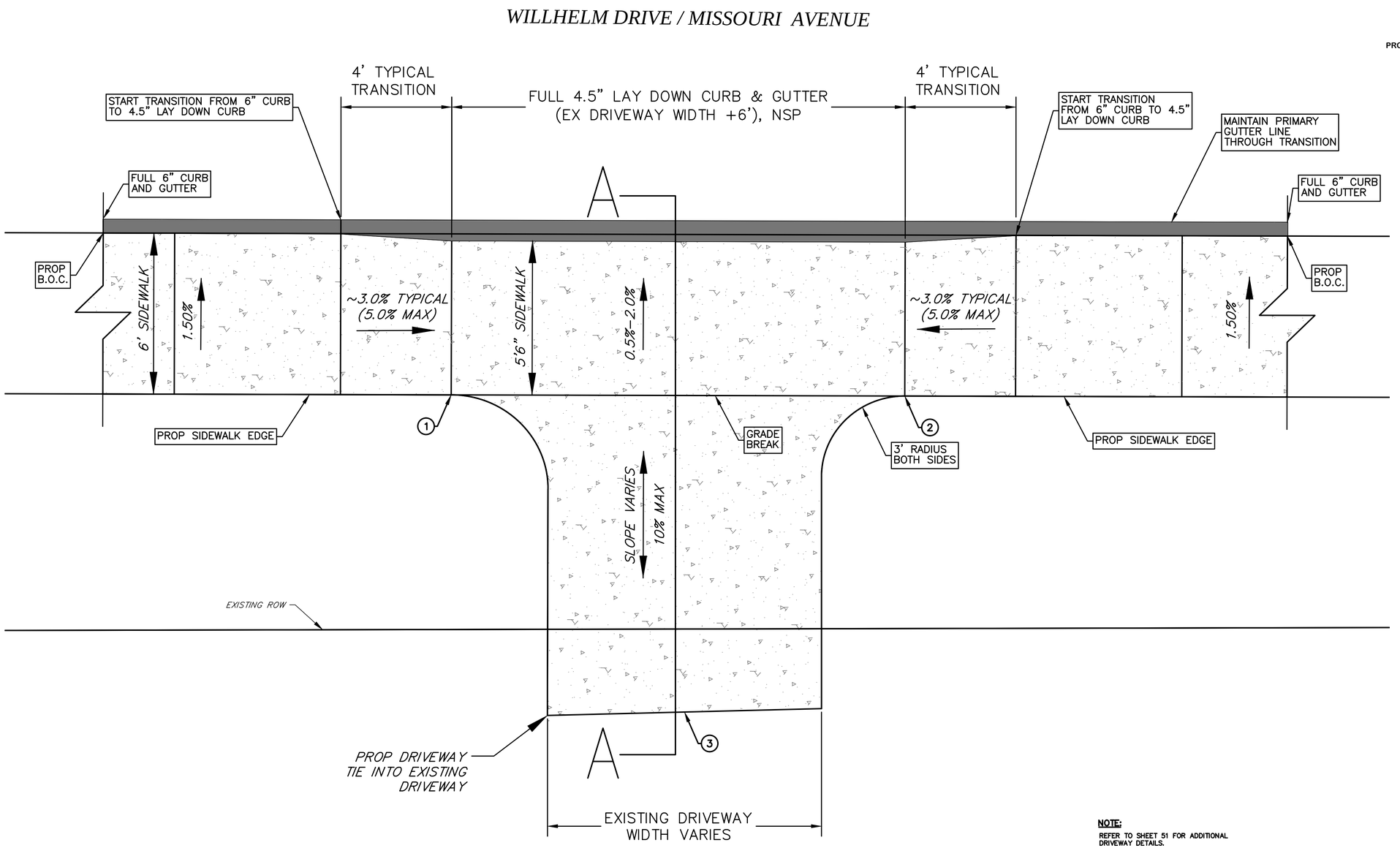
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

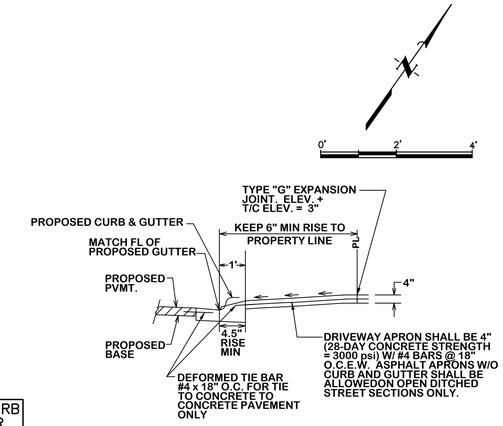
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. ––
SUBMITTED: –– SURV. BY: ––

STATE OF TEXAS
ADAM J. BRUNBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
49

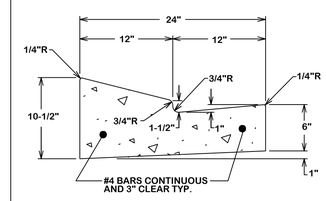
\\JCCS\where\JC-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET----Driveway Detail & Table.dwg Dec 29, 2015 - 11:14pm JHC





SECTION A-A
WITH LAYDOWN CURB

NOTE:
TYPE "G" EXPANSION JOINTS IN CURB & GUTTER SHALL BE SPACED AT A MAXIMUM DISTANCE OF 40' APART AND AT ALL RADIUS POINTS, P.T.'S AND P.C.'S. TYPE "B" CONTRACTION JOINTS IN CURB & GUTTER SHALL BE SPACED AT A MAXIMUM DISTANCE OF 10' APART.



24" LAY DOWN
GUTTER SECTION

ST1-00

NOTE:
REFER TO SHEET 51 FOR ADDITIONAL DRIVEWAY DETAILS.

DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

WILLHELM DRIVE
MISSOURI AVENUE
DRIVEWAY DETAIL 2

JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
50

\\JCCS\where1\O-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Driveway Detail & Table.dwg Dec 29, 2015 - 11:14pm JHC

	MISSOURI BASELINE		
DRIVEWAY	STATION	LONGITUDINAL SLOPE	AREA (SF)
01	0+79	2.41%	150
02	1+52	12.11%	230
03	1+53	6.65%	150
04	1+85	11.04%	150
05	2+27	9.89%	255
06	2+88	7.15%	360
07	2+92	9.93%	140
08	3+60	10.68%	285
09	3+63	9.21%	240
10	3+92	8.65%	230
11	4+30	10.07%	670
12	5+00	9.49%	300
13	5+12	10.20%	405
14	5+26	9.85%	290

DRIVEWAY	MISSOURI BASELINE			DRIVEWAY	MISSOURI BASELINE		
01	POINT	STATION, OFFSET	ELEVATION	08	POINT	STATION, OFFSET	ELEVATION
	1	0+86.56 , 19.51' LT	T/P=338.82'		1	3+48.15 , 19.51' RT	T/P=333.45'
	2	0+70.72 , 19.51' LT	T/P=339.18'		2	3+71.11 , 19.51' RT	T/P=333.09'
	3	0+79.18 , 24.01' LT	T/P=339.09'		3	3+59.62 , 27.34' RT	T/P=334.11'
02	POINT	STATION, OFFSET	ELEVATION	09	POINT	STATION, OFFSET	ELEVATION
	1	1+42.74 , 19.51' RT	T/P=337.64'		1	3+71.23 , 19.51' LT	T/P=333.09'
	2	1+61.58 , 19.51' RT	T/P=337.25'		2	3+55.44 , 19.51' LT	T/P=333.34'
	3	1+52.11 , 27.52' RT	T/P=338.41'		3	3+63.91 , 33.04' LT	T/P=334.45'
03	POINT	STATION, OFFSET	ELEVATION	10	POINT	STATION, OFFSET	ELEVATION
	1	1+61.15 , 19.51' LT	T/P=337.26'		1	3+83.59 , 19.51' RT	T/P=332.89'
	2	1+45.31 , 19.51' LT	T/P=337.59'		2	4+01.12 , 19.51' RT	T/P=332.61'
	3	1+53.63 , 24.06' LT	T/P=337.72'		3	3+92.53 , 29.33' RT	T/P=333.6'
04	POINT	STATION, OFFSET	ELEVATION	11	POINT	STATION, OFFSET	ELEVATION
	1	1+77.75 , 19.51' RT	T/P=336.91'		1	4+42.79 , 19.51' LT	T/P=331.96'
	2	1+91.78 , 19.51' RT	T/P=336.62'		2	4+17.82 , 19.51' LT	T/P=332.35'
	3	1+85.04 , 26.48' RT	T/P=337.52'		3	4+30.90 , 32.19' LT	T/P=333.43'
05	POINT	STATION, OFFSET	ELEVATION	12	POINT	STATION, OFFSET	ELEVATION
	1	2+39.30 , 19.51' LT	T/P=335.62'		1	4+91.71 , 19.51' RT	T/P=331.18'
	2	2+15.50 , 19.51' LT	T/P=336.12'		2	5+08.92 , 19.51' RT	T/P=330.91'
	3	2+26.89 , 24.76' LT	T/P=336.40'		3	5+01.44 , 35.70' RT	T/P=332.57'
06	POINT	STATION, OFFSET	ELEVATION	13	POINT	STATION, OFFSET	ELEVATION
	1	3+00.76 , 19.51' LT	T/P=334.33'		1	5+24.45 , 19.51' LT	T/P=330.67'
	2	2+76.0 , 19.51' LT	T/P=334.85'		2	5+00.54 , 19.51' LT	T/P=331.04'
	3	2+89.26 , 29.98' LT	T/P=335.32'		3	5+11.81 , 33.17' LT	T/P=332.26'
07	POINT	STATION, OFFSET	ELEVATION	14	POINT	STATION, OFFSET	ELEVATION
	1	2+85.18 , 19.51' RT	T/P=334.65'		1	5+17.62 , 19.51' RT	T/P=330.77'
	2	2+99.05 , 19.51' RT	T/P=334.36'		2	5+34.66 , 19.51' RT	T/P=330.5'
	3	2+92.62 , 25.07' RT	T/P=335.05'		3	5+26.22 , 35.23' RT	T/P=332.18'

	WILLHELM BASELINE		
DRIVEWAY	STATION	LONGITUDINAL SLOPE	AREA (SF)
01	0+37.1	10.46%	424
02	0+63.5	11.31%	219
03	1+26.4	7.52%	135
04	1+71.	9.65%	250
05	2+34.2	11.28%	250
06	3+01.8	9.96%	210
07	3+08.9	-4.98%	200
08	3+71.5	9.76%	365
09	4+37.2	9.96%	230
10	5+07.1	12.38%	250
11	5+76.7	11.25%	250
12	6+17.7	9.80%	205
13	6+87.2	7.48%	165
14	7+51.8	-3.55%	310
15	8+25.3	5.84%	180
16	8+70.3	10.60%	450
17	9+43.2	9.91%	255
18	9+44.2	5.98%	215
19	10+12.8	10.25%	395
20	10+19.2	9.56%	340
21	11+24.7	9.76%	395
22	11+52.8	9.69%	275
23	12+59.2	8.49%	220
24	12+95.2	9.64%	230
25	13+73.7	9.56%	310
26	13+96.8	12.67%	440
27	14+74.1	10.42%	465
28	15+11.8	10.60%	250
29	18+70.5	12.93%	445
	MINNESOTA BASELINE		
30	0+46.5	6.10%	165
31	0+81.4	-8.76%	180
	LOUISIANA BASELINE		
32	0+49.3	-7.11%	240

DRIVEWAY	WILLHELM BASELINE			DRIVEWAY	WILLHELM BASELINE			DRIVEWAY	WILLHELM BASELINE			DRIVEWAY	WILLHELM BASELINE		
01	POINT	STATION, OFFSET	ELEVATION	10	POINT	STATION, OFFSET	ELEVATION	19	POINT	STATION, OFFSET	ELEVATION	28	POINT	STATION, OFFSET	ELEVATION
	1	0+26.66 , 19.51' RT	T/P=343.27'		1	4+99.14 , 19.51' RT	T/P=344.31'		1	10+00.28 , 19.51' RT	T/P=340.17'		1	15+21.07 , 20.13' LT	T/P=340.58'
	2	0+47.55 , 19.51' RT	T/P=343.42'		2	5+15.04 , 19.51' RT	T/P=344.16'		2	10+25.31 , 19.51' RT	T/P=340.27'		2	15+02.75 , 19.51' LT	T/P=340.68'
	3	0+36.92 , 38.63' RT	T/P=345.34'		3	5+07.31 , 34.12' RT	T/P=346.04'		3	10+13.03 , 31.34' RT	T/P=341.42'		3	15+12.51 , 30.0' LT	T/P=341.73'
02	POINT	STATION, OFFSET	ELEVATION	11	POINT	STATION, OFFSET	ELEVATION	20	POINT	STATION, OFFSET	ELEVATION	29	POINT	STATION, OFFSET	ELEVATION
	1	0+56.41 , 19.51' RT	T/P=343.49'		1	5+68.72 , 19.51' RT	T/P=343.67'		1	10+31.28 , 19.51' LT	T/P=340.31'		1	18+85.03 , 19.51' LT	T/P=341.34'
	2	0+70.48 , 19.51' RT	T/P=343.59'		2	5+84.65 , 19.51' RT	T/P=343.53'		2	10+07.03 , 19.51' LT	T/P=340.19'		2	18+55.87 , 19.51' LT	T/P=341.12'
	3	0+64.38 , 34.72' RT	T/P=345.26'		3	5+76.75 , 33.53' RT	T/P=345.18'		3	10+19.88 , 29.39' LT	T/P=341.18'		3	18+70.93 , 30.32' LT	T/P=342.62'
03	POINT	STATION, OFFSET	ELEVATION	12	POINT	STATION, OFFSET	ELEVATION	21	POINT	STATION, OFFSET	ELEVATION	DRIVEWAY	MINNESOTA BASELINE		
	1	1+34.16 , 19.51' LT	T/P=344.06'		1	6+09.78 , 19.51' RT	T/P=343.3'		1	11+10.67 , 19.51' RT	T/P=340.78'	30	POINT	STATION, OFFSET	ELEVATION
	2	1+18.57 , 19.51' LT	T/P=343.95'		2	6+25.65 , 19.51' RT	T/P=343.15'		2	11+40.70 , 19.51' RT	T/P=340.96'		1		
	3	1+26.53 , 22.58' LT	T/P=344.24'		3	6+17.96 , 29.34' RT	T/P=344.19'		3	11+24.96 , 28.34' RT	T/P=341.73'		2	0+54.97 , 19.51' RT	T/P=343.83'
04	POINT	STATION, OFFSET	ELEVATION	13	POINT	STATION, OFFSET	ELEVATION	22	POINT	STATION, OFFSET	ELEVATION		3	0+46.78 , 24.03' RT	T/P=344.26'
	1	1+63.08 , 19.51' RT	T/P=344.28'		1	6+79.23 , 19.51' RT	T/P=342.66'		1	11+40.70 , 19.51' RT	T/P=340.96'	31	POINT	STATION, OFFSET	ELEVATION
	2	1+78.95 , 19.51' RT	T/P=344.4'		2	6+95.10 , 19.51' RT	T/P=342.52'		2	11+62.96 , 19.51' RT	T/P=341.1'		1	0+89.23 , 19.51' LT	T/P=343.19'
	3	1+71.07 , 30.20' RT	T/P=345.37'		3	6+87.20 , 25.34' RT	T/P=344.03'		3	11+53.04 , 28.34' RT	T/P=341.89'		2	0+73.52 , 19.51' LT	T/P=343.6'
05	POINT	STATION, OFFSET	ELEVATION	14	POINT	STATION, OFFSET	ELEVATION	23	POINT	STATION, OFFSET	ELEVATION		3	0+81.48 , 27.0' LT	T/P=342.68'
	1	2+24.07 , 19.51' RT	T/P=344.73'		1	7+38.05 , 19.51' RT	T/P=342.13'		1	12+49.0 , 19.51' RT	T/P=341.61'	DRIVEWAY	LOUISIANA BASELINE		
	2	2+24.36 , 19.51' RT	T/P=344.87'		2	7+65.58 , 19.51' RT	T/P=341.88'		2	12+69.47 , 19.51' RT	T/P=341.71'	32	POINT	STATION, OFFSET	ELEVATION
	3	2+34.60 , 32.08' RT	T/P=346.23'		3	7+52.37 , 25.34' RT	T/P=341.79'		3	12+59.10 , 25.34' RT	T/P=342.16'		1	0+58.76 , 19.51' LT	T/P=340.85'
06	POINT	STATION, OFFSET	ELEVATION	15	POINT	STATION, OFFSET	ELEVATION	24	POINT	STATION, OFFSET	ELEVATION		2	0+40.46 , 21.18' LT	T/P=340.71'
	1	2+93.83 , 19.51' RT	T/P=345.25'		1	8+16.73 , 19.51' RT	T/P=341.41'		1	12+85.69 , 19.51' RT	T/P=341.75'		3	0+50.38 , 24.77' LT	T/P=340.39'
	2	3+09.74 , 19.51' RT	T/P=345.36'		2	8+33.82 , 19.51' RT	T/P=341.26'		2	13+04.69 , 19.51' RT	T/P=341.76'				
	3	3+01.94 , 29.57' RT	T/P=346.31'		3	8+25.19 , 25.34' RT	T/P=341.9'		3	12+95.76 , 27.34' RT	T/P=342.52'				
07	POINT	STATION, OFFSET	ELEVATION	16	POINT	STATION, OFFSET	ELEVATION	25	POINT	STATION, OFFSET	ELEVATION				
	1	3+21.06 , 19.51' LT	T/P=345.41'		1	8+56.29 , 19.51' RT	T/P=341.05'		1	13+66.74 , 19.46' RT	T/P=341.51'				
	2				2	8+84.31 , 19.51' RT	T/P=340.79'		2	13+80.72 , 19.36' RT	T/P=341.42'				
	3	3+09.97 , 21.47' LT	T/P=345.26'		3	8+70.12 , 31.34' RT	T/P=342.18'		3	13+73.70 , 34.02' RT	T/P=342.87'				
08	POINT	STATION, OFFSET	ELEVATION	17	POINT	STATION, OFFSET	ELEVATION	26	POINT	STATION, OFFSET	ELEVATION				
	1	3+58.59 , 19.51' RT	T/P=345.45'		1	9+32.85 , 19.51' RT	T/P=340.36'		1	13+86.68 , 19.44' RT	T/P=341.39'				
	2	3+84.30 , 19.51' RT	T/P=345.33'		2	9+53.48 , 19.51' RT	T/P=340.23'		2	14+09.28 , 19.51' RT	T/P=341.25'				
	3	3+71.97 , 29.24' RT	T/P=346.35'		3	9+43.11 , 27.34' RT	T/P=341.06'		3	13+96.96 , 32.62' RT	T/P=342.99'				
09	POINT	STATION, OFFSET	ELEVATION	18	POINT	STATION, OFFSET	ELEVATION	27	POINT	STATION, OFFSET	ELEVATION				
	1	4+29.21 , 19.51' RT	T/P=345.95'		1	9+55.22 , 19.51' LT	T/P=340.22'		1	14+61.55 , 19.51' RT	T/P=340.93'				
	2	4+45.14 , 19.51' RT	T/P=344.8'		2	9+33.21 , 19.51' LT	T/P=340.35'		2	14+86.72 , 19.51' RT	T/P=340.78'				
	3	4+37.56 , 31.92' RT	T/P=346.11'		3	9+44.66 , 23.66' LT	T/P=340.52'		3	14+74.12 , 34.96' RT	T/P=342.46'				

DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

WILLHELM DRIVE & MISSOURI AVENUE DRIVEWAY TABLE 2

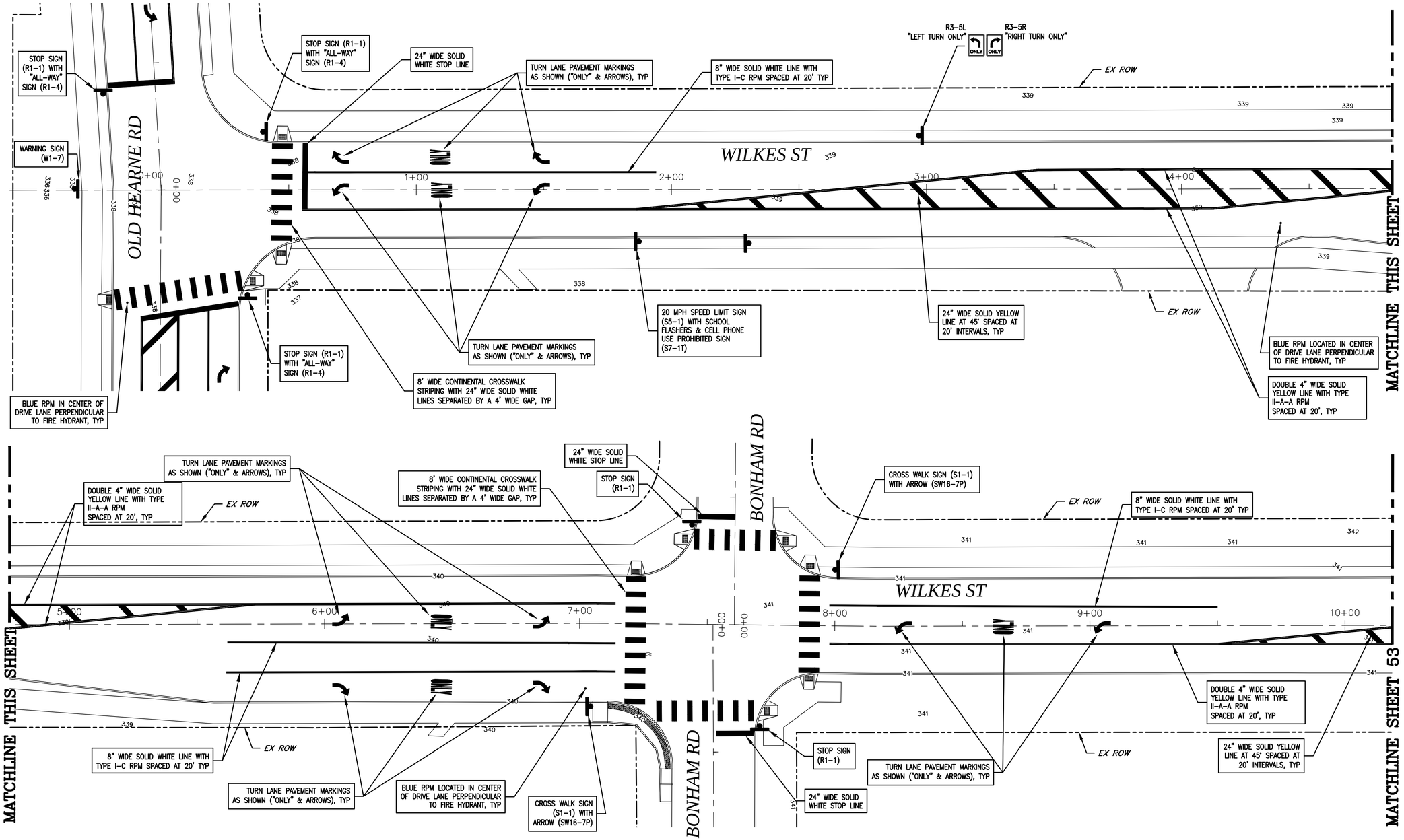
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

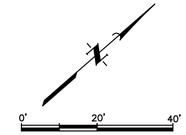
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

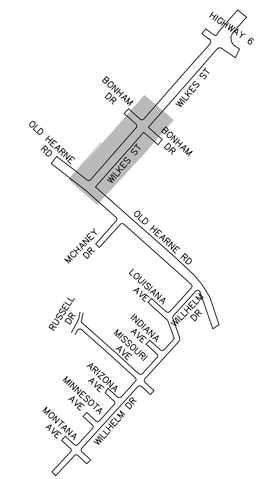
STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
51

\\JCCS\shared\JO-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET----Driveway Detail & Table.dwg Dec 29, 2015 - 11:14pm JHC







KEY-MAP
NTS

LEGEND

36"x36" R1-1 STOP SIGN	STOP	R1-4 "ALL WAY" SIGN	ALL WAY	SW16-9P "AHEAD" SIGN	AHEAD
R1-2 YIELD SIGN	YIELD	W1-7 SIGN		S5-2aTP "END SCHOOL ZONE" SIGN	END SCHOOL ZONE
W1-2R CURVE RIGHT AHEAD		S7-1T CELL PHONE PROHIBITED SIGN	CELL PHONE USE PROHIBITED UP TO 1000 FEET	W1-4 WARNING SIGN	
R2-1 SPEED LIMIT SIGN	SPEED LIMIT 40	S5-1 SCHOOL	SCHOOL SPEED LIMIT 20 WHEN FLASHING	S1-1 CROSS WALK AND SW16-7P ARROW	
S4-1 (MODIFIED)	7:00 AM TO 4:00 PM MONDAY THRU FRIDAY				

STRIPING & SIGNAGE NOTES:

1. ALL PAVEMENT MARKINGS AND SIGNS SHALL BE INSTALLED ACCORDING TO THE MOST RECENT TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD).
2. ALL WORK SHALL COMPLY WITH CITY OF BRYAN SPECIFICATIONS AND DETAILS.
3. SEE DETAILS SHEETS FOR TXDOT STANDARD PAVEMENTS MARKINGS AND RPMS.
4. ALL PROPOSED STREET SIGNS SHALL BE NEW AND ARE TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.
5. ALL SIGNS SHALL HAVE HIGH INTENSITY PRIZMATIC RETROREFLECTIVE SHEETING.
6. ALL PROPOSED SIGN SUPPORTS ON OLD HEARNE ROAD AND WILKES STREET SHALL BE TxDOT'S TRIANGULAR SLIP BASE ASSEMBLY WITH 3"ø ANODIZED BRONZE POST MEETING CITY OF BRYAN STREETSCAPE SPECIFICATIONS.
7. ALL LINES AND PAVEMENT MARKINGS SHALL BE TYPE I (THERMOPLASTIC) WITH TYPE I GLASS BEADS.

DATE	REVISIONS	APP.
1 01/14/16	CITY COMMENTS	AJB
0 12/29/15	ORIGINAL DESIGN	AJB

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION
WILKES ST STRIPING AND SIGNAGE PLAN (I)

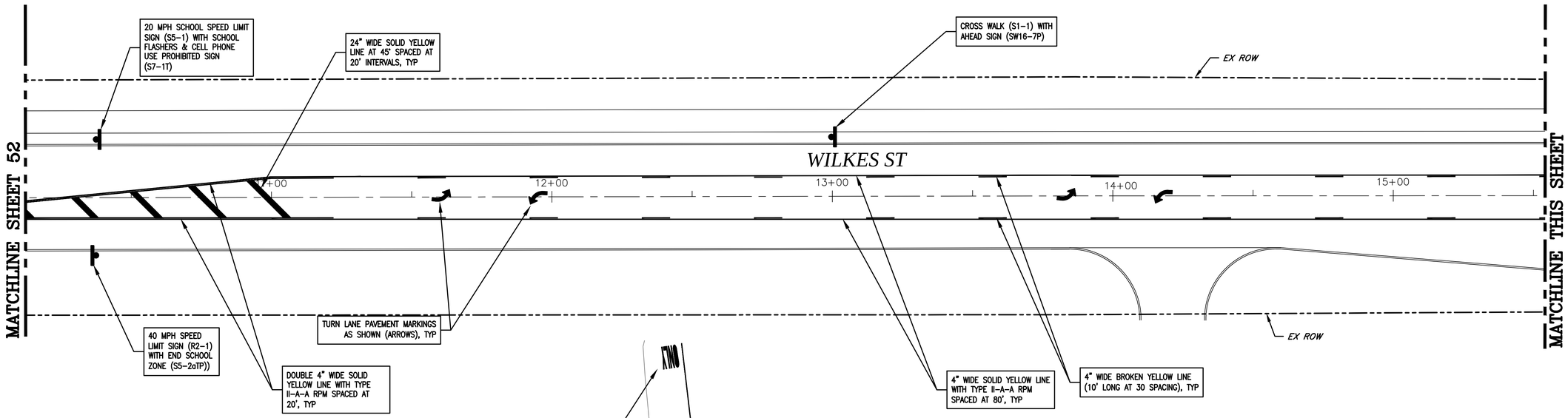
JONES|CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

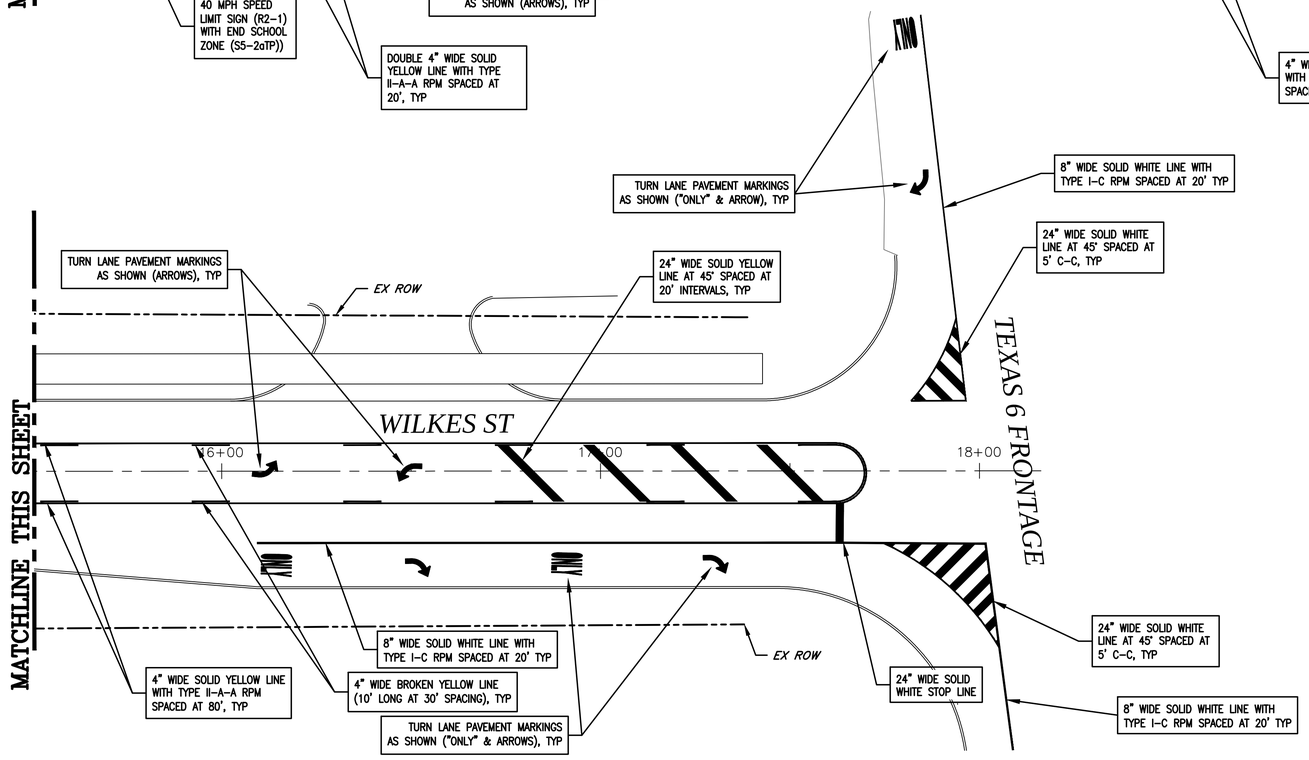
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011-0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

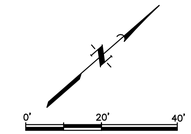
STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

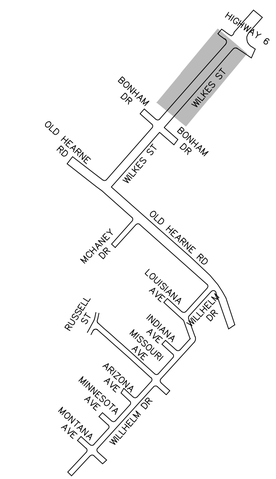
SHEET NO.
52

S:\JC-lab\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Striping and Signage Plan.dwg Jan 14, 2016 - 10:50am CCC2









KEY-MAP
NTS

LEGEND

36"x36" R1-1 STOP SIGN	STOP	R1-4 "ALL WAY" SIGN	ALL WAY	SW16-9P "AHEAD" SIGN	AHEAD
R1-2 YIELD SIGN	YIELD	W1-7 SIGN		S5-2aTP "END SCHOOL ZONE" SIGN	END SCHOOL ZONE
W1-2R CURVE RIGHT AHEAD		S7-1T CELL PHONE PROHIBITED SIGN	CELL PHONE USE PROHIBITED UP TO $200 FINE	W1-4 WARNING SIGN	
R2-1 SPEED LIMIT SIGN	SPEED LIMIT 40	S5-1 SCHOOL	SCHOOL SPEED LIMIT 20 WHEN FLASHING	S1-1 CROSS WALK AND SW16-7P ARROW	
S4-1 (MODIFIED)	7:30 AM TO 4:30 PM MONDAY THRU FRIDAY				

STRIPING & SIGNAGE NOTES:

1. ALL PAVEMENT MARKINGS AND SIGNS SHALL BE INSTALLED ACCORDING TO THE MOST RECENT TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD).
2. ALL WORK SHALL COMPLY WITH CITY OF BRYAN SPECIFICATIONS AND DETAILS.
3. SEE DETAILS SHEETS FOR TXDOT STANDARD PAVEMENTS MARKINGS AND RPMS.
4. ALL PROPOSED STREET SIGNS SHALL BE NEW AND ARE TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.
5. ALL SIGNS SHALL HAVE HIGH INTENSITY PRIZMATIC RETROREFLECTIVE SHEETING.
6. ALL PROPOSED SIGN SUPPORTS ON OLD HEARNE ROAD AND WILKES STREET SHALL BE TxDOT'S TRIANGULAR SLIP BASE ASSEMBLY WITH 3"ø ANODIZED BRONZE POST MEETING CITY OF BRYAN STREETSCAPE SPECIFICATIONS.
7. ALL LINES AND PAVEMENT MARKINGS SHALL BE TYPE I (THERMOPLASTIC) WITH TYPE I GLASS BEADS.

DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION
WILKES ST STRIPING AND SIGNAGE PLAN (II)

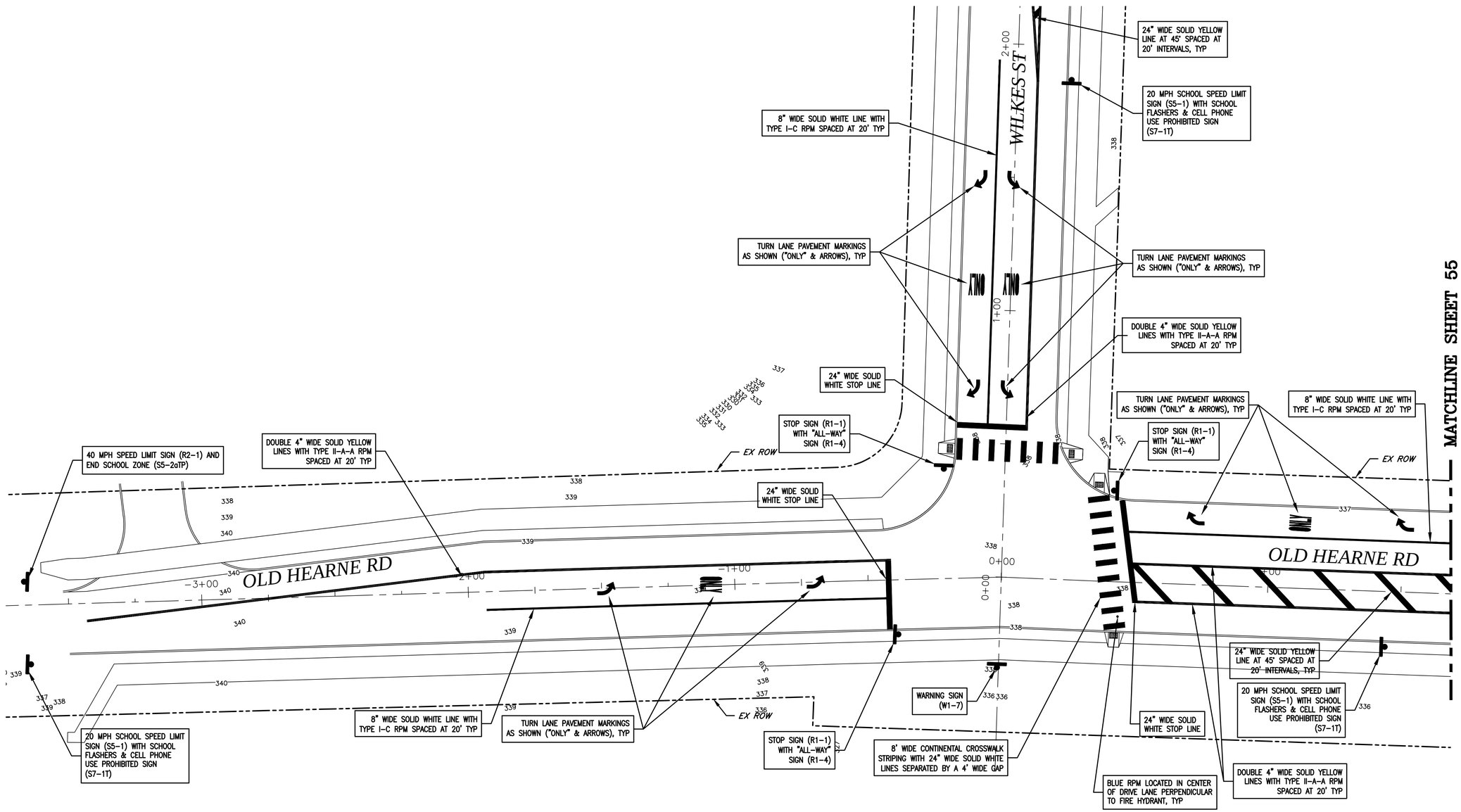
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

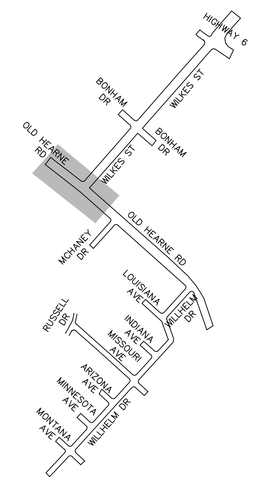
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011-0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
53

\\JCCS\shared\J0-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET----Striping and Signage Plan.dwg Jan 04, 2016 - 4:34pm JHC





KEY-MAP
NTS

LEGEND

36"x36" R1-1 STOP SIGN	STOP	R1-4 "ALL WAY" SIGN	ALL WAY	SW16-9P "AHEAD" SIGN	AHEAD
R1-2 YIELD SIGN	YIELD	W1-7 SIGN		S5-2aTP "END SCHOOL ZONE" SIGN	END SCHOOL ZONE
W1-2R CURVE RIGHT AHEAD		S7-1T CELL PHONE PROHIBITED SIGN	CELL PHONE USE PROHIBITED UP TO 5000 FINE	W1-4 WARNING SIGN	
R2-1 SPEED LIMIT SIGN	SPEED LIMIT 40	S5-1 SCHOOL	SCHOOL SPEED LIMIT 20 WHEN FLASHING	S1-1 CROSS WALK AND SW16-7P ARROW	
S4-1 (MODIFIED)	7:00 AM TO 4:00 PM MONDAY THRU FRIDAY				

STRIPING & SIGNAGE NOTES:

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7. ALL LINES AND PAVEMENT MARKINGS SHALL BE TYPE I (THERMOPLASTIC) WITH TYPE I GLASS BEADS.

	DATE	REVISIONS	APP.
1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION
OLD HEARNE RD STRIPING AND SIGNAGE PLAN (I)

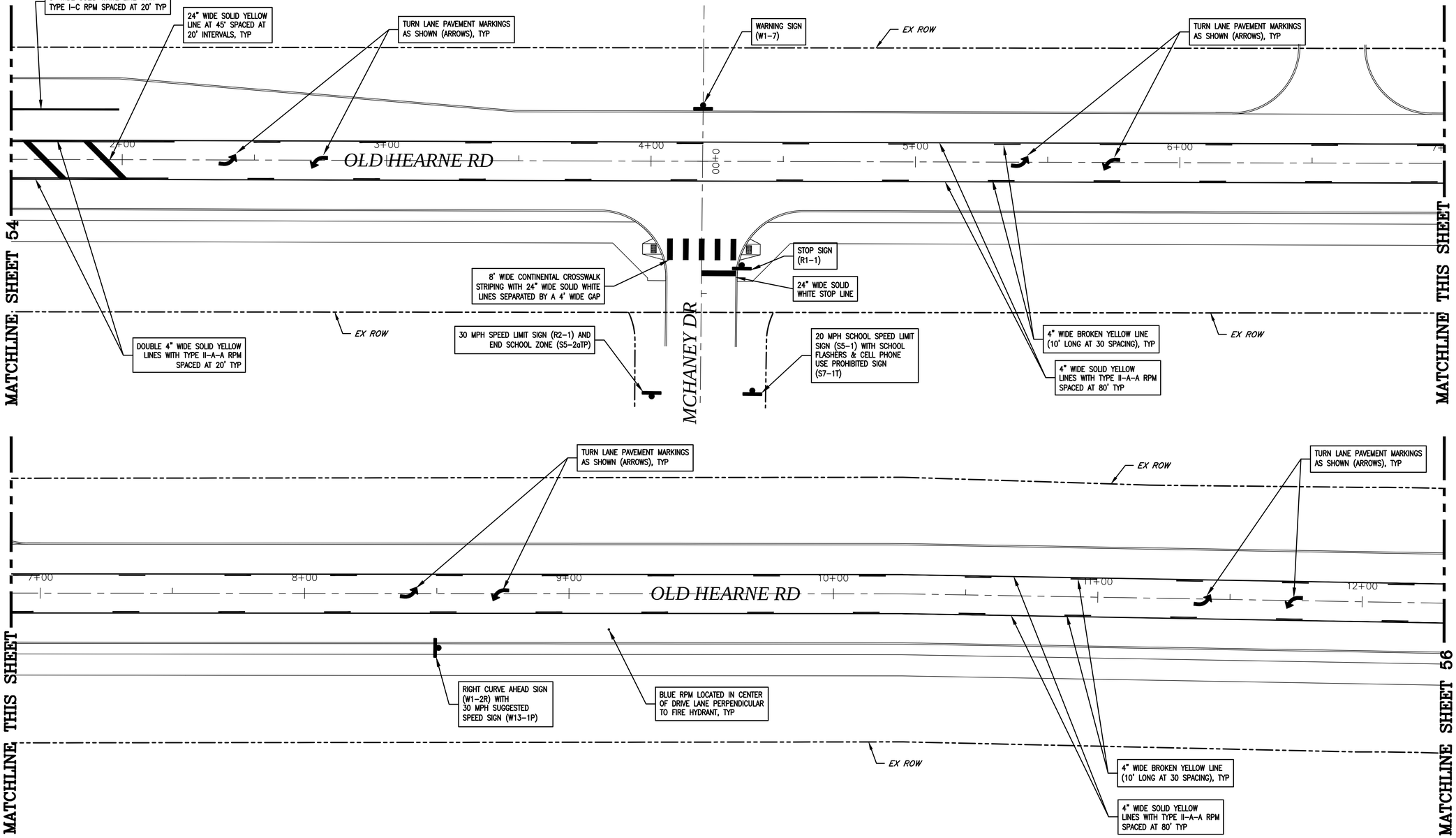
JONES|CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

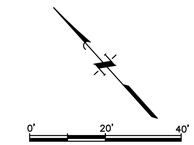
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011-0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

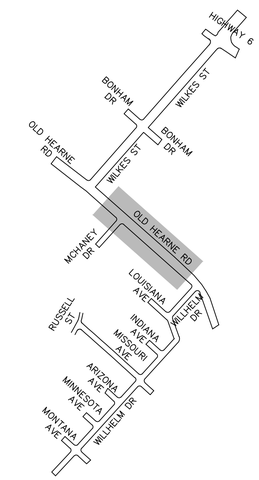
STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

SHEET NO.
54

S:\Jc-lab\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET----Striping and Signage Plan.dwg Jan 14, 2016 - 10:52am CCC2







KEY-MAP
NTS

LEGEND

36"x36" R1-1 STOP SIGN	STOP	R1-4 "ALL WAY" SIGN	ALL WAY	SW16-9P "AHEAD" SIGN	AHEAD
R1-2 YIELD SIGN	YIELD	W1-7 SIGN		S5-2aTP "END SCHOOL ZONE" SIGN	END SCHOOL ZONE
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R2-1 SPEED LIMIT SIGN	SPEED LIMIT 40	S5-1 SCHOOL	SCHOOL SPEED LIMIT 20 WHEN FLASHING	S1-1 CROSS WALK AND SW16-7P ARROW	
S4-1 (MODIFIED)	7:30 AM TO 4:30 PM MONDAY THRU FRIDAY				

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DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION
OLD HEARNE RD STRIPING AND SIGNAGE PLAN (II)

JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
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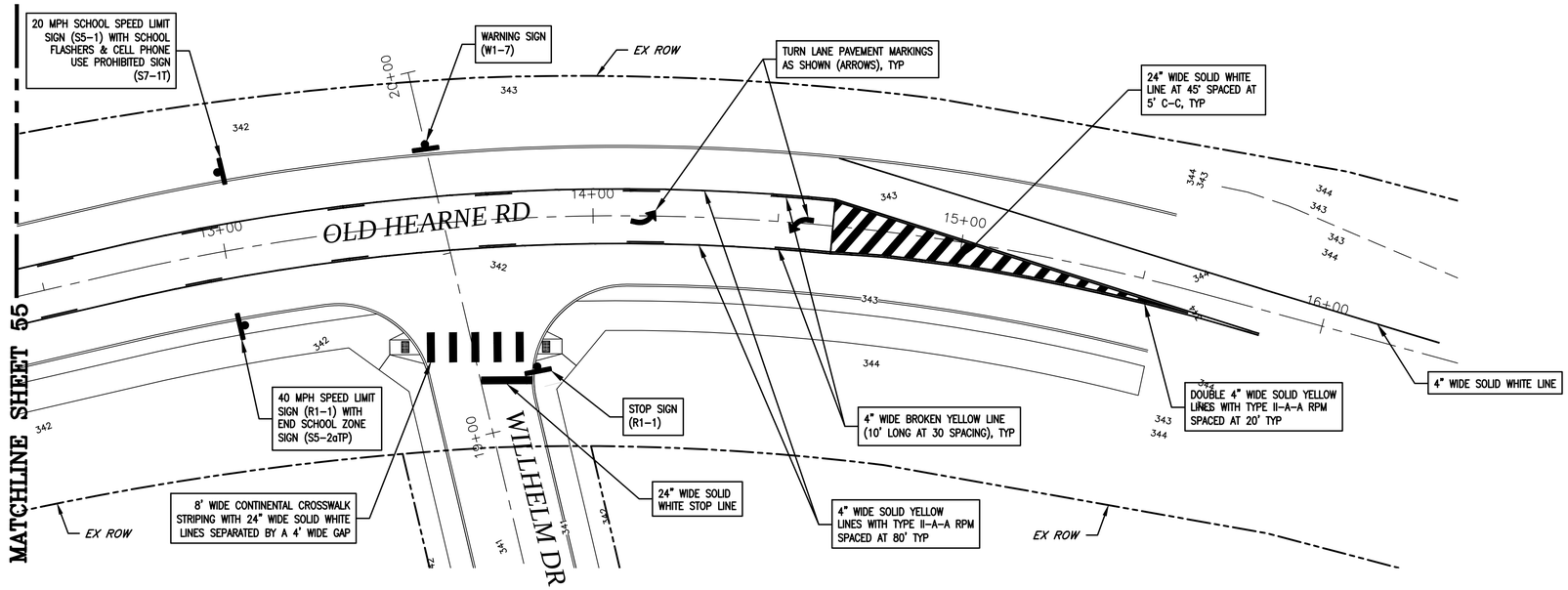
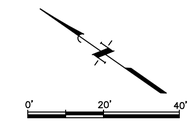
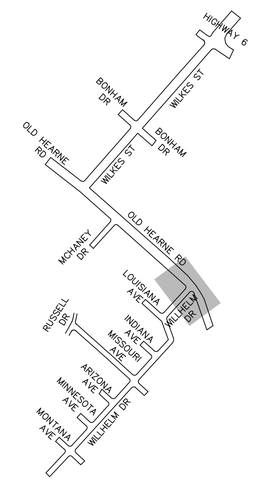
STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
55

\\JCCS\where\Jc-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET----Striping and Signage Plan.dwg Jan 04, 2016 - 4:34pm JHC







KEY-MAP
NTS

LEGEND

36"x36" R1-1 STOP SIGN	STOP	R1-4 "ALL WAY" SIGN	ALL WAY	SW16-9P "AHEAD" SIGN	AHEAD
R1-2 YIELD SIGN	YIELD	W1-7 SIGN		S5-2aTP "END SCHOOL ZONE" SIGN	END SCHOOL ZONE
W1-2R CURVE RIGHT AHEAD		S7-1T CELL PHONE PROHIBITED SIGN	CELL PHONE USE PROHIBITED UP TO 5000 FINE	W1-4 WARNING SIGN	
R2-1 SPEED LIMIT SIGN	SPEED LIMIT 40	S5-1 SCHOOL	SCHOOL SPEED LIMIT 20 WHEN FLASHING	S1-1 CROSS WALK AND SW16-7P ARROW	
S4-1 (MODIFIED)	7:00 AM TO 4:00 PM MONDAY THRU FRIDAY				

STRIPING & SIGNAGE NOTES:

1. ALL PAVEMENT MARKINGS AND SIGNS SHALL BE INSTALLED ACCORDING TO THE MOST RECENT TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD).
2. ALL WORK SHALL COMPLY WITH CITY OF BRYAN SPECIFICATIONS AND DETAILS.
3. SEE DETAILS SHEETS FOR TXDOT STANDARD PAVEMENTS MARKINGS AND RPMS.
4. ALL PROPOSED STREET SIGNS SHALL BE NEW AND ARE TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.
5. ALL SIGNS SHALL HAVE HIGH INTENSITY PRIZMATIC RETROREFLECTIVE SHEETING.
6. ALL PROPOSED SIGN SUPPORTS ON OLD HEARNE ROAD AND WILKES STREET SHALL BE TxDOT'S TRIANGULAR SLIP BASE ASSEMBLY WITH 3"ø ANODIZED BRONZE POST MEETING CITY OF BRYAN STREETSCAPE SPECIFICATIONS.
7. ALL LINES AND PAVEMENT MARKINGS SHALL BE TYPE I (THERMOPLASTIC) WITH TYPE I GLASS BEADS.

	DATE	REVISIONS	APP.
1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION
OLD HEARNE RD STRIPING AND SIGNAGE PLAN (III)

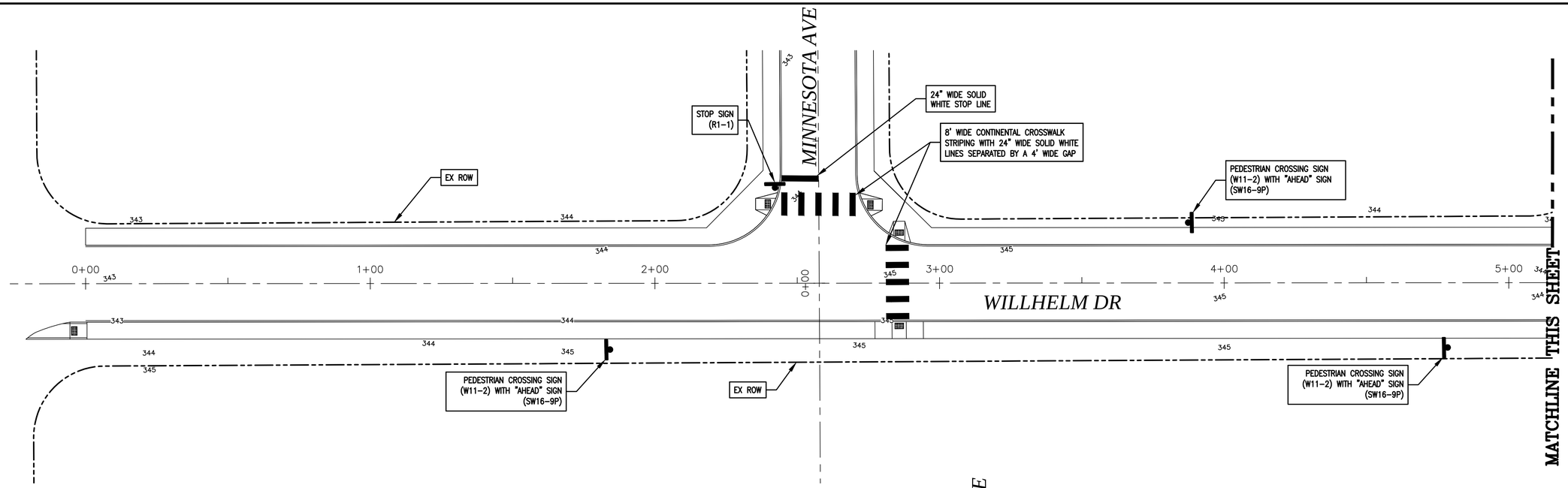
JONES|CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

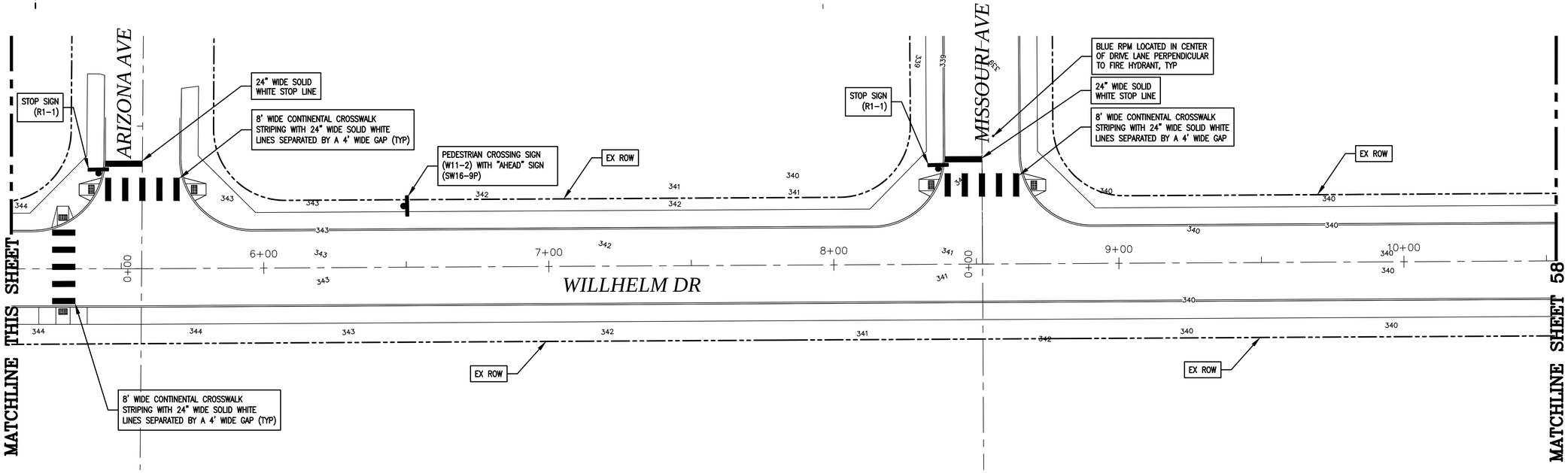
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. ––
SUBMITTED: –– SURV. BY: ––

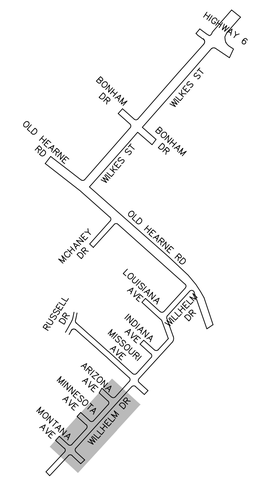
STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

SHEET NO.
56

S:\JC-lab\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Striping and Signage Plan.dwg Jan 14, 2016 - 10:53am CCC2







KEY-MAP
NTS

LEGEND

36"x36" R1-1 STOP SIGN	STOP	R1-4 "ALL WAY" SIGN	ALL WAY	SW16-9P "AHEAD" SIGN	AHEAD
R1-2 YIELD SIGN	YIELD	W1-7 SIGN		S5-2aTP "END SCHOOL ZONE" SIGN	END SCHOOL ZONE
W1-2R CURVE RIGHT AHEAD		S7-1T CELL PHONE PROHIBITED SIGN	CELL PHONE USE PROHIBITED IF NO SIGN FOUND	W1-4 WARNING SIGN	
R2-1 SPEED LIMIT SIGN	SPEED LIMIT 30	S5-1 SCHOOL	SCHOOL SPEED LIMIT 20 WHEN FLASHING	W11-2 PEDESTRIAN CROSSING SIGN	
S4-1 (MODIFIED)	7:00 AM TO 4:00 PM MONDAY THRU FRIDAY				

STRIPING & SIGNAGE NOTES:

1. ALL PAVEMENT MARKINGS AND SIGNS SHALL BE INSTALLED ACCORDING TO THE MOST RECENT TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD).
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5. ALL SIGNS SHALL HAVE HIGH INTENSITY PRIZMATIC RETROREFLECTIVE SHEETING.
6. ALL PROPOSED SIGN SUPPORTS ON WILLHELM DRIVE SHALL BE TxDOT'S TRIANGULAR SLIP BASE ASSEMBLY WITH 3"ø ANODIZED BRONZE POST MEETING CITY OF BRYAN STREETSCAPE SPECIFICATIONS.
7. ALL LINES AND PAVEMENT MARKINGS SHALL BE TYPE I (THERMOPLASTIC) WITH TYPE I GLASS BEADS.

	DATE	REVISIONS	APP.
1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION
WILLHELM DR STRIPING AND SIGNAGE PLAN (I)

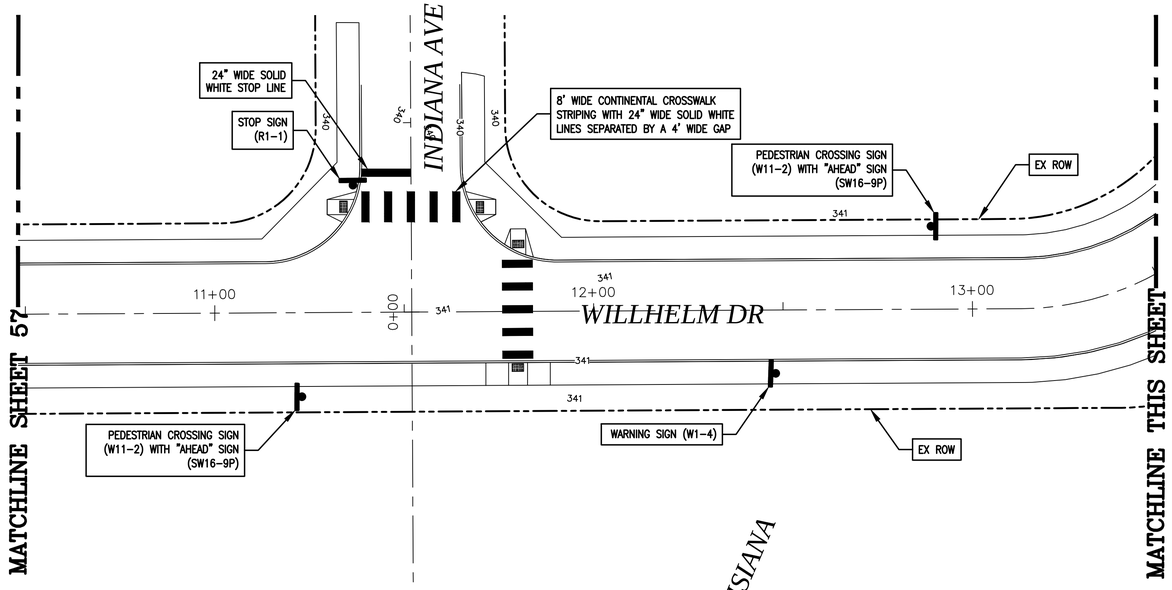
JONES|CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

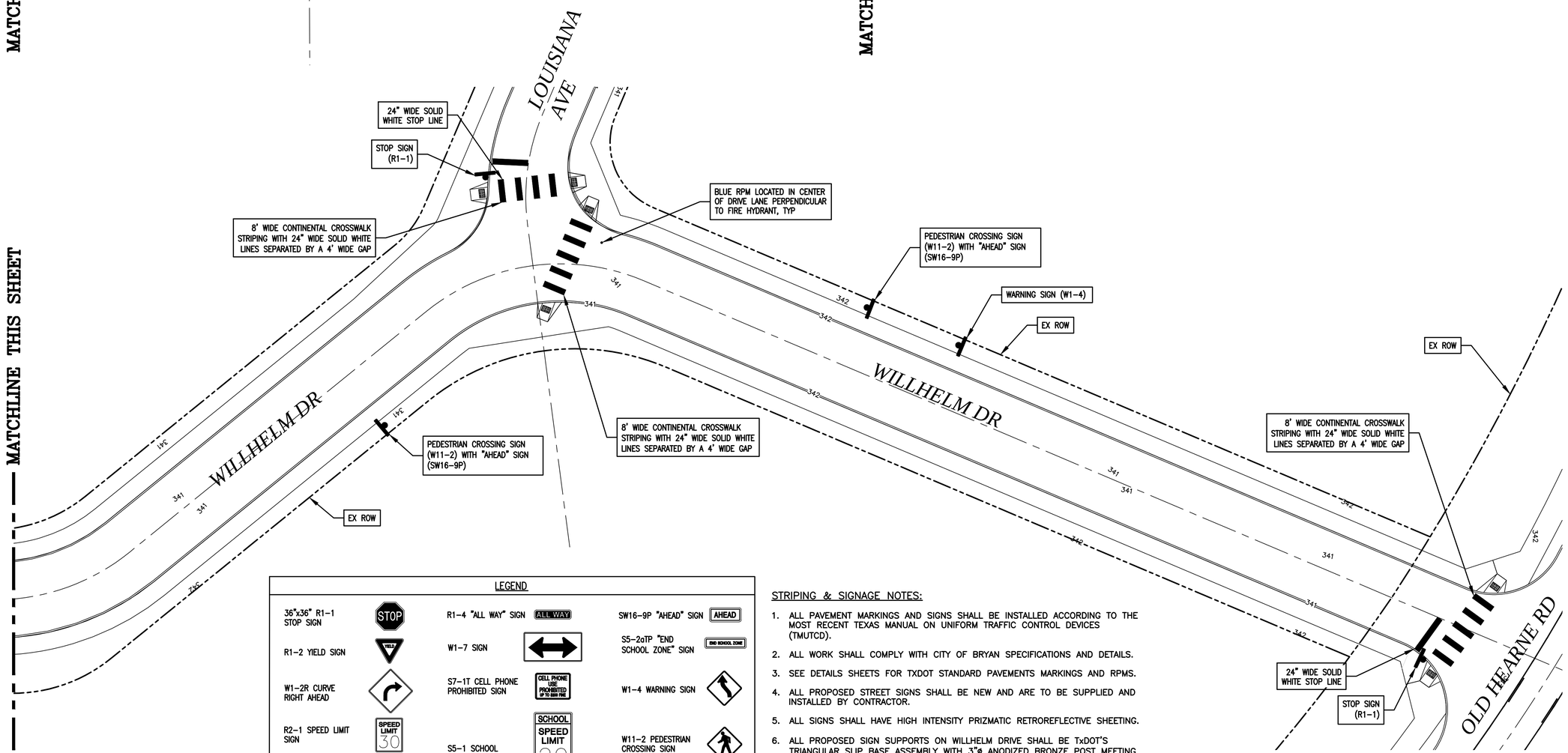
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

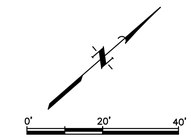
STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

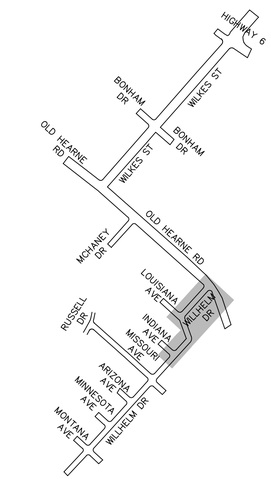
SHEET NO.
57

S:\Jobs\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Striping and Signage Plan.dwg Jan 14, 2016 - 10:56pm CCC2









KEY-MAP
NTS

LEGEND

36"x36" R1-1 STOP SIGN	STOP	R1-4 "ALL WAY" SIGN	ALL WAY	SW16-9P "AHEAD" SIGN	AHEAD
R1-2 YIELD SIGN	YIELD	W1-7 SIGN		S5-2aTP "END SCHOOL ZONE" SIGN	END SCHOOL ZONE
W1-2R CURVE RIGHT AHEAD		S7-1T CELL PHONE PROHIBITED SIGN	CELL PHONE USE PROHIBITED UP TO $500 FINE	W1-4 WARNING SIGN	
R2-1 SPEED LIMIT SIGN	SPEED LIMIT 30	S5-1 SCHOOL	SCHOOL SPEED LIMIT 20 WHEN FLASHING	W11-2 PEDESTRIAN CROSSING SIGN	
S4-1 (MODIFIED)	300 AM TO 400 PM MONDAY THRU FRIDAY				

STRIPING & SIGNAGE NOTES:

1. ALL PAVEMENT MARKINGS AND SIGNS SHALL BE INSTALLED ACCORDING TO THE MOST RECENT TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD).
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3. SEE DETAILS SHEETS FOR TXDOT STANDARD PAVEMENTS MARKINGS AND RPMS.
4. ALL PROPOSED STREET SIGNS SHALL BE NEW AND ARE TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.
5. ALL SIGNS SHALL HAVE HIGH INTENSITY PRIZMATIC RETROREFLECTIVE SHEETING.
6. ALL PROPOSED SIGN SUPPORTS ON WILLHELM DRIVE SHALL BE TxDOT'S TRIANGULAR SLIP BASE ASSEMBLY WITH 3"ø ANODIZED BRONZE POST MEETING CITY OF BRYAN STREETSCAPE SPECIFICATIONS.
7. ALL LINES AND PAVEMENT MARKINGS SHALL BE TYPE I (THERMOPLASTIC) WITH TYPE I GLASS BEADS.

1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION
WILLHELM DR STRIPING AND SIGNAGE PLAN (II)

JONES|CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

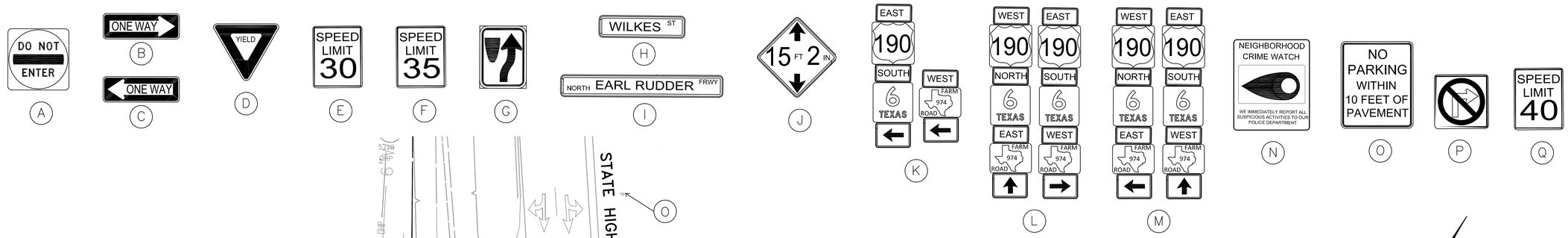
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. ––
SUBMITTED: –– SURV. BY: ––

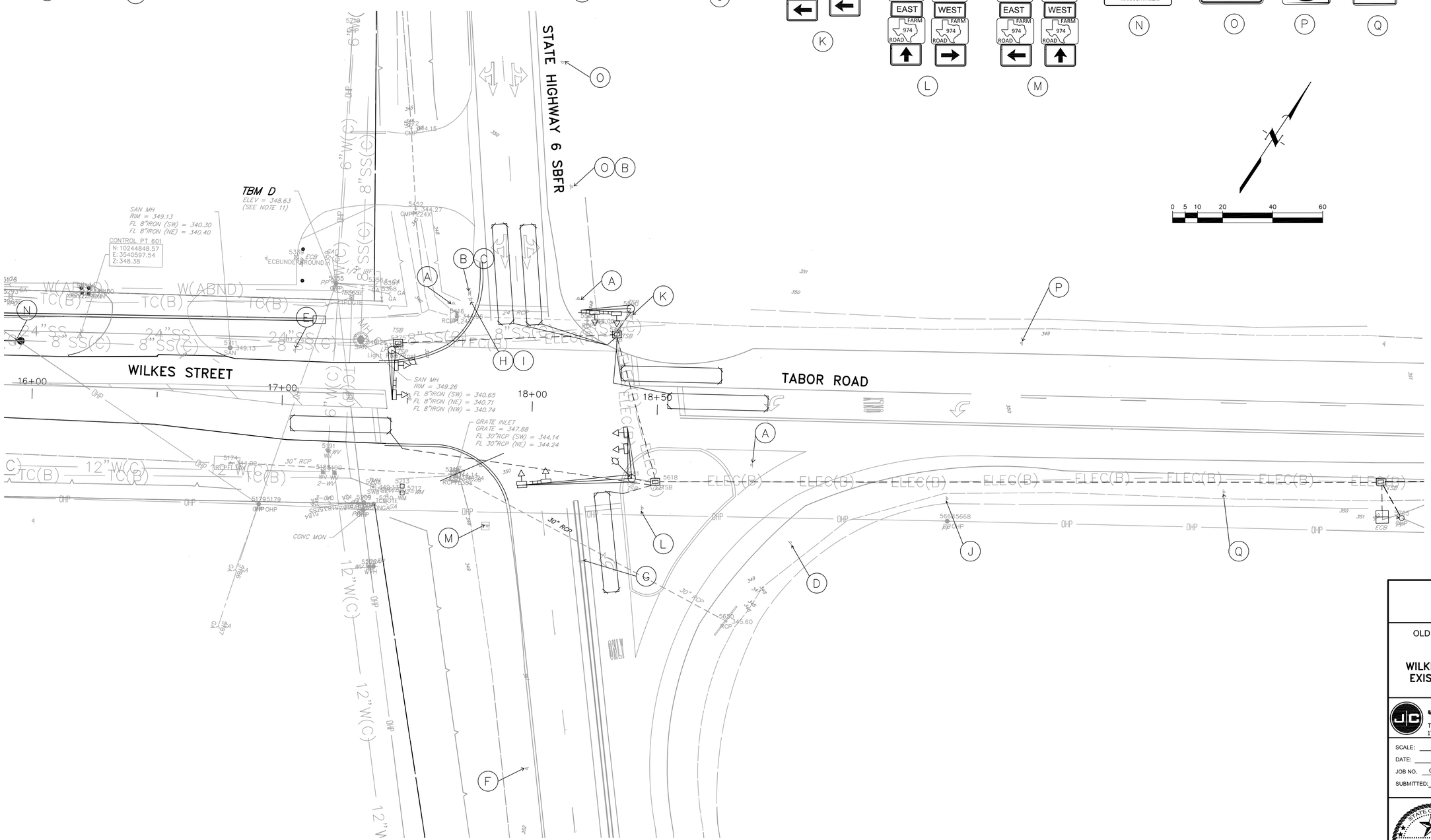
STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

SHEET NO.
58

S:\Co-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET----Striping and Signage Plan.dwg Jan 14, 2016 - 10:58am CCZ

EXISTING SIGN LEGEND





CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD-WILKES STREET REHABILITATION

WILKES STREET AT SH 6 SBFR EXISTING CONDITIONS LAYOUT

JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE:	AS NOTED	DGN. BY:	CWW
DATE:	AS NOTED	DWN. BY:	DAL
JOB NO.	C0011-017	DWG. NO.	--
SUBMITTED:	--	SURV. BY:	--

STATE OF TEXAS
COLBY W. WRIGHT
96717
LICENSED
PROFESSIONAL ENGINEER
P.E. FOR 12/31/2015

SHEET NO.
78

POLE INSTALLATION CHART

POLE #	POLE
1*	EXISTING STEEL POLE W/ 20' MAST ARM, LUMINAIRE
2	EXISTING STEEL POLE W/ 20' MAST ARM
3	EXISTING STEEL POLE W/ DUAL MAST ARM (20', 44'), LUMINAIRE
4	**PROPOSED STEEL POLE W/ 36' MAST ARM, LUMINAIRE**
5	EXISTING SERVICE METER

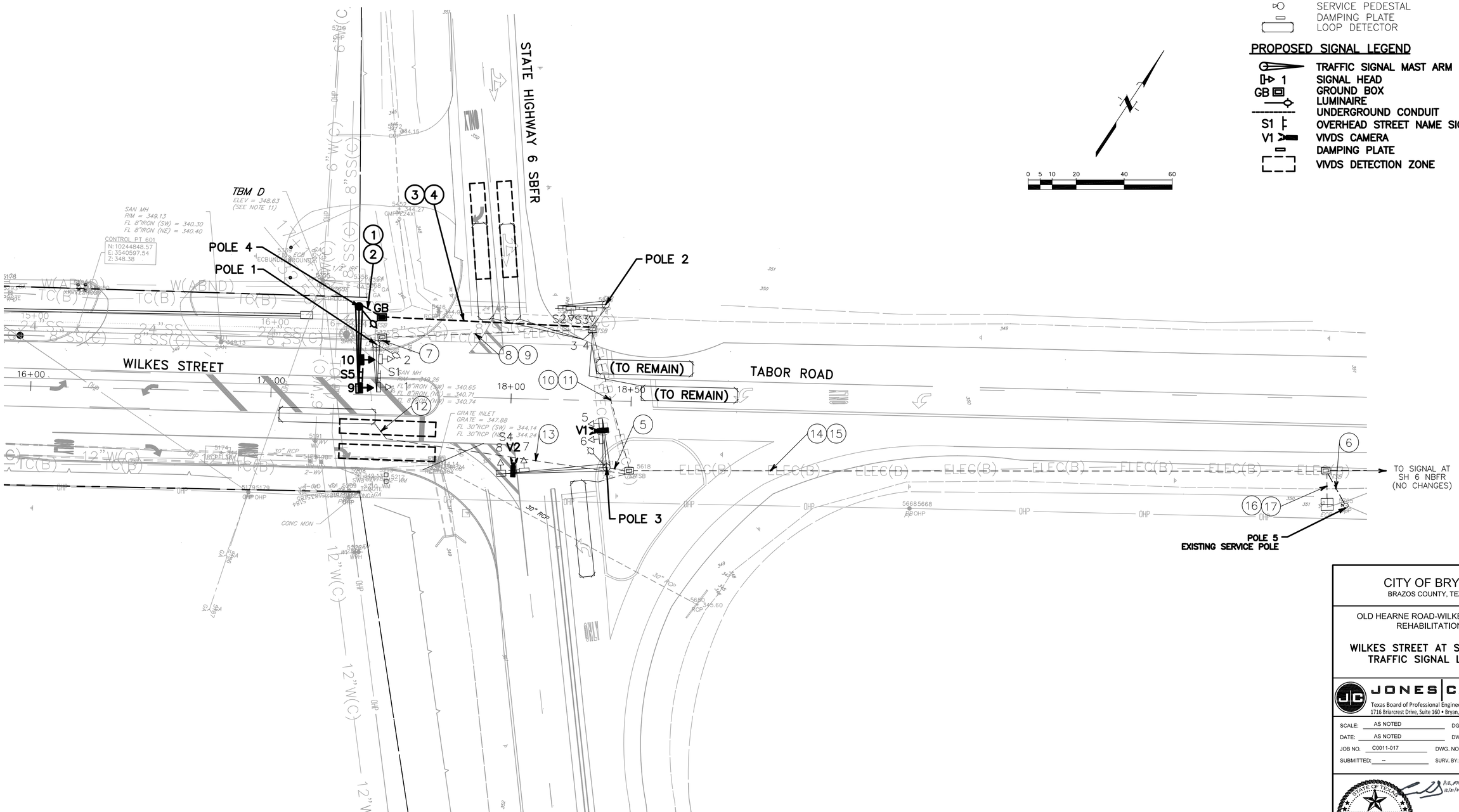
*** = REMOVE**

EXISTING SIGNAL LEGEND

- TRAFFIC SIGNAL MAST ARM
- 1 SIGNAL HEAD
- GROUND BOX
- LUMINAIRE
- UNDERGROUND CONDUIT
- OVERHEAD STREET NAME SIGN
- GROUND MOUNTED SIGNAL CONTROLLER
- SERVICE PEDESTAL
- DAMPING PLATE
- LOOP DETECTOR

PROPOSED SIGNAL LEGEND

- **TRAFFIC SIGNAL MAST ARM**
- **1 SIGNAL HEAD**
- **GB GROUND BOX**
- **LUMINAIRE**
- **UNDERGROUND CONDUIT**
- **S1 OVERHEAD STREET NAME SIGN**
- **V1 VIVDS CAMERA**
- **DAMPING PLATE**
- **VIVDS DETECTION ZONE**



CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD-WILKES STREET REHABILITATION

WILKES STREET AT SH 6 SBFR TRAFFIC SIGNAL LAYOUT

JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

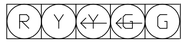
SCALE:	AS NOTED	DGN. BY:	CWW
DATE:	AS NOTED	DWN. BY:	DAL
JOB NO.	C0011-017	DWG. NO.	--
SUBMITTED:	--	SURV. BY:	--

STATE OF TEXAS
COLBY W. WRIGHT
96717
LICENSED
PROFESSIONAL ENGINEER

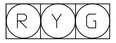
P.E. STAMP 12/31/2015

SHEET NO.
79

EXISTING SIGNAL HEADS



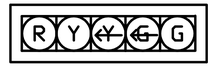
5 SECTION
HORIZONTAL SIGNAL
HEAD: 1
(TO BE REMOVED)



3 SECTION
HORIZONTAL SIGNAL
HEAD: 2
(TO BE REMOVED)

3 SECTION
HORIZONTAL SIGNAL
HEAD: 3, 4, 5, 6, 7, 8
(TO REMAIN)

PROPOSED SIGNAL HEADS



5 SECTION HORIZONTAL SIGNAL W\BACKPLATE HEAD: 9

3 SECTION HORIZONTAL SIGNAL W\BACKPLATE HEAD: 10

EXISTING MAST ARM SIGN

S1
(TO BE REMOVED)

S2, S4
(TO REMAIN)

S3
(TO REMAIN)

PROPOSED MAST ARM SIGN

S5
R10–12
30"x36"

CONDUIT AND CABLE CHART

RUN NO.	ITEM 618 SIZE/TYPE CONDUIT (FT)								ITEM 684 SIG CABLE (EA)				ITEM 688 DETECTORS	ITEM 6002 VIVDS	ITEM 620 ELECTRICAL CONDUCTORS (EA)						LENGTH OF RUN (FT)	RUN NO.
									TY-A		TY-C											
	4" PVC TRENCHED (EXIST)	**4" PVC TRENCHED (PROP)**	4" PVC BORED (EXIST)	**4" PVC BORED (PROP)**	1 1/2" PVC TRENCHED (EXIST)	**2" PVC TRENCHED (PROP)**	1 1/2" PVC BORED (EXIST)	**2" PVC BORED (PROP)**	7/C #12 AWG (EXIST) (EA)	**7/C #12 AWG (PROP) (EA)**	2/C #14 AWG (EXIST) (EA)	**2/C #14 AWG (PROP) (EA)**	1/C #14 AWG (EXIST) (EA)	**VIVDS COMMUNICATION CABLE (COAXIAL) (PROP) (FT)**	1/C #6 XHHW WIRE (EXIST) (EA)	1/C #6 BARE WIRE (EXIST) (EA)	1/C #8 XHHW WIRE (EXIST) (EA)	**1/C #8 XHHW WIRE (PROP) (EA)**	1/C #8 BARE WIRE (EXIST) (EA)	**1/C #8 BARE WIRE (PROP) (EA)**		
1		**15**								**2**										**1**	15	**1**
2								**15**										**2**		**1**	15	**2**
3				**90**						**2**										**1**	90	**3**
4								**90**										**2**		**1**	90	**4**
5	10								2					**2**			2			**1**	10	**5**
6					20										2	1	2	**2**		**1**	20	**6**
7	5								2								2		1		5	7
8			90						2												90	8
9							90										2		1		90	9
10			65						3	**2**	3									**1**	65	10
11							65										2	**2**	1		65	11
12					10								2								10	12
13							105				1										105	13
14			295						5	**2**	5	**2**		**2**						**1**	295	14
15							295										2	**2**	2		295	15
16	20								5	**2**	5	**2**		**2**						**1**	20	16
17	20								4		3				2	2					20	17
TOTAL	55	**15**	450	**90**	30	**0**	555	**105**	2060	970	1935	630	20	650	80	60	970	970	750	620		

WIRE INSIDE POLES AND ARMS (FT)

POLE NO.	ITEM 684 SIG CABLE	ITEM 620 ELECTRICAL CONDUCTORS	ITEM 6002 VIVDS
	7/C #12 AWG (PROP) (EA)	**1/C #8 XHHW WIRE (PROP) (EA)**	**VIVDS COMMUNICATION CABLE (COAXIAL) (PROP) (FT)**
3			**60**
4	**100**	**70**	
5		**50**	
TOTAL	**100**	**120**	**60**

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD-WILKES STREET REHABILITATION

WILKES STREET AT SH 6 SBFR TRAFFIC SIGNAL DETAILS

JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: CWW
DATE: AS NOTED DWN. BY: DAL
JOB NO. C0011-017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS
COLBY W. WRIGHT
96717
LICENSED
PROFESSIONAL ENGINEER

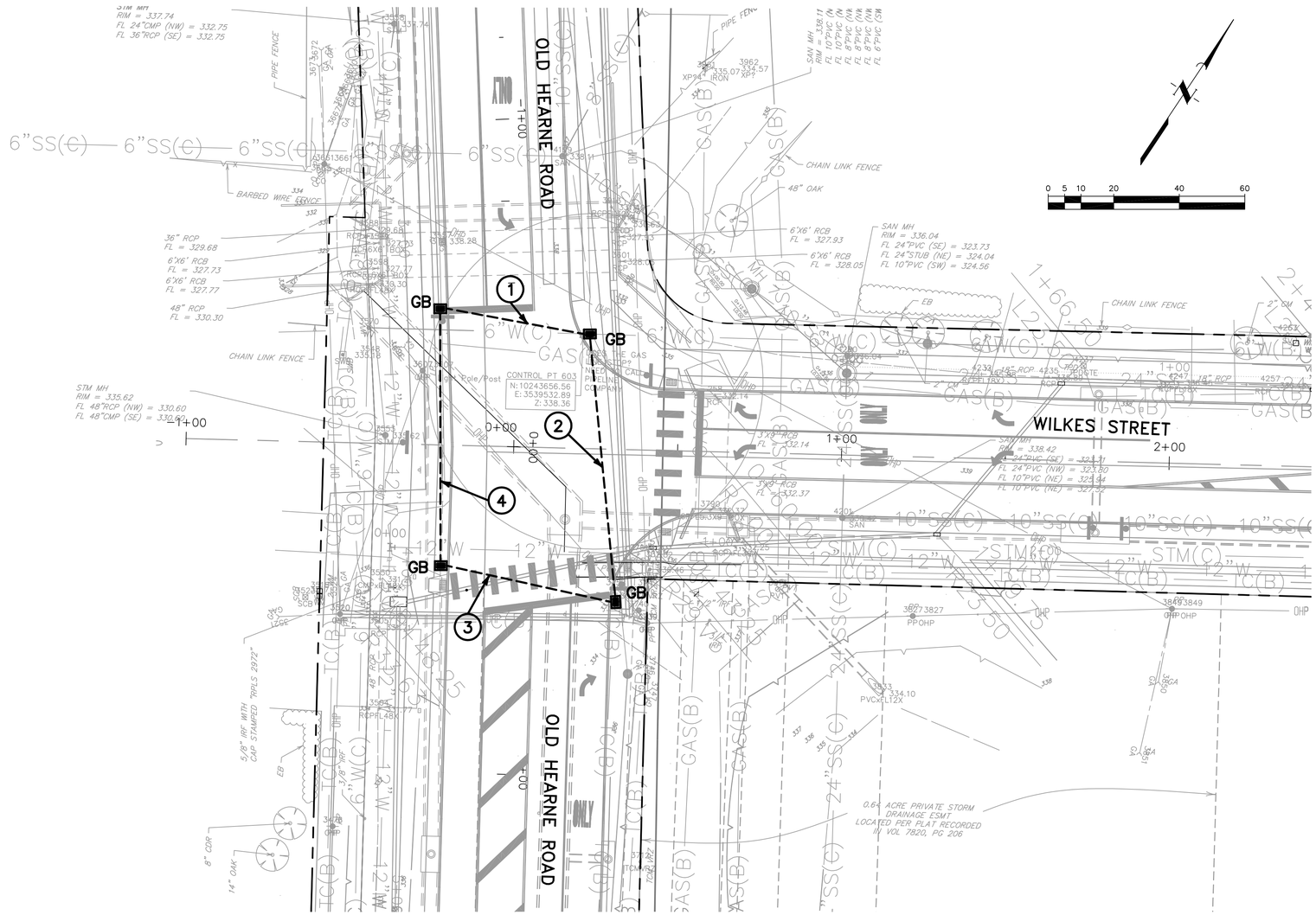
P.E. PTBE
12/21/2025

SHEET NO.
80

CONDUIT AND CABLE CHART		
	ITEM 618 SIZE/TYPE CONDUIT (FT)	
RUN NO.	4" PVC BORED (PROP)	2" PVC BORED (PROP)
1	55	55
2	85	85
3	55	55
4	80	80
TOTAL	275	275

PROPOSED SIGNAL LEGEND

GB ▣ GROUND BOX
---------- UNDERGROUND CONDUIT



CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD-WILKES STREET REHABILITATION

WILKES STREET AT OLD HEARNE ROAD TRAFFIC SIGNAL LAYOUT

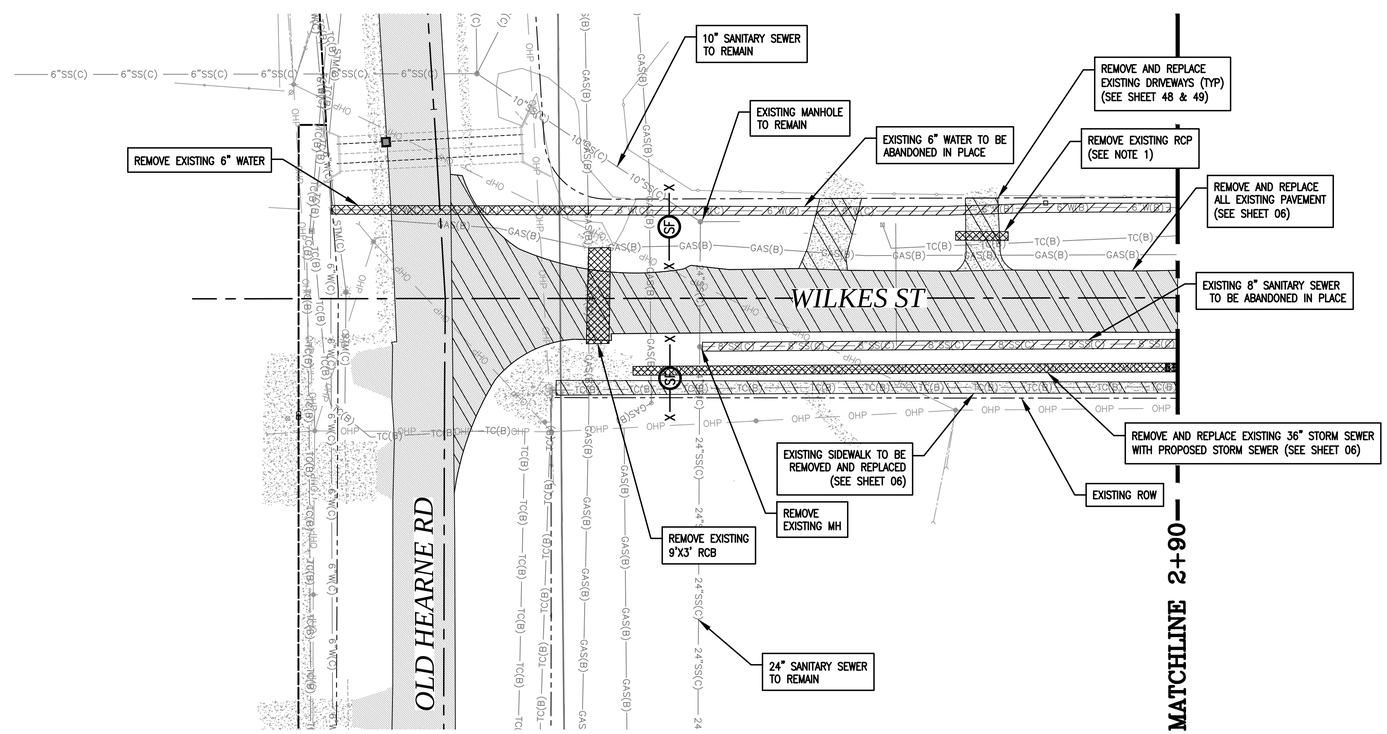
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

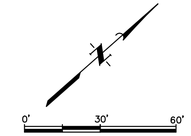
SCALE:	AS NOTED	DGN. BY:	CWW
DATE:	AS NOTED	DWN. BY:	DAL
JOB NO.	C0011-017	DWG. NO.	--
SUBMITTED:	--	SURV. BY:	--

STATE OF TEXAS
COLBY W. WRIGHT
96717
LICENSED PROFESSIONAL ENGINEER

P.E. FOE 12/21/2015

SHEET NO.
81



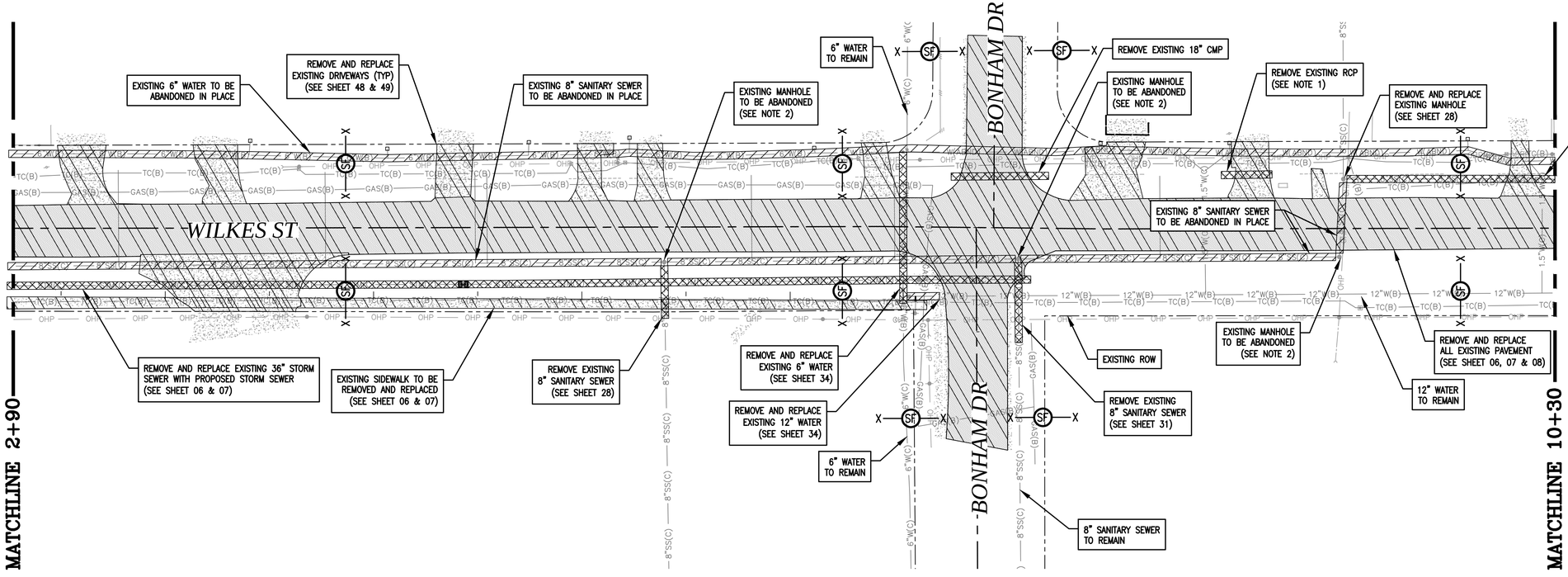


LEGEND:

- REMOVE EXISTING UTILITIES
- ABANDON EXISTING UTILITIES
- REMOVE AND REPLACE EXISTING PAVEMENT
- X—(SF)—X SILT FENCING

NOTES:

1. ALL EXISTING RCP'S TO BE REMOVED PRIOR TO CONSTRUCTION OF NEW DRIVEWAYS.
2. EXISTING MANHOLE TO BE ABANDONED. REMOVE 4' BELOW FINISH GRADE AND BACKFILL WITH CEMENT STABILIZED SAND.



1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION
WILKES ST DEMOLITION/ EROSION CONTROL (I)

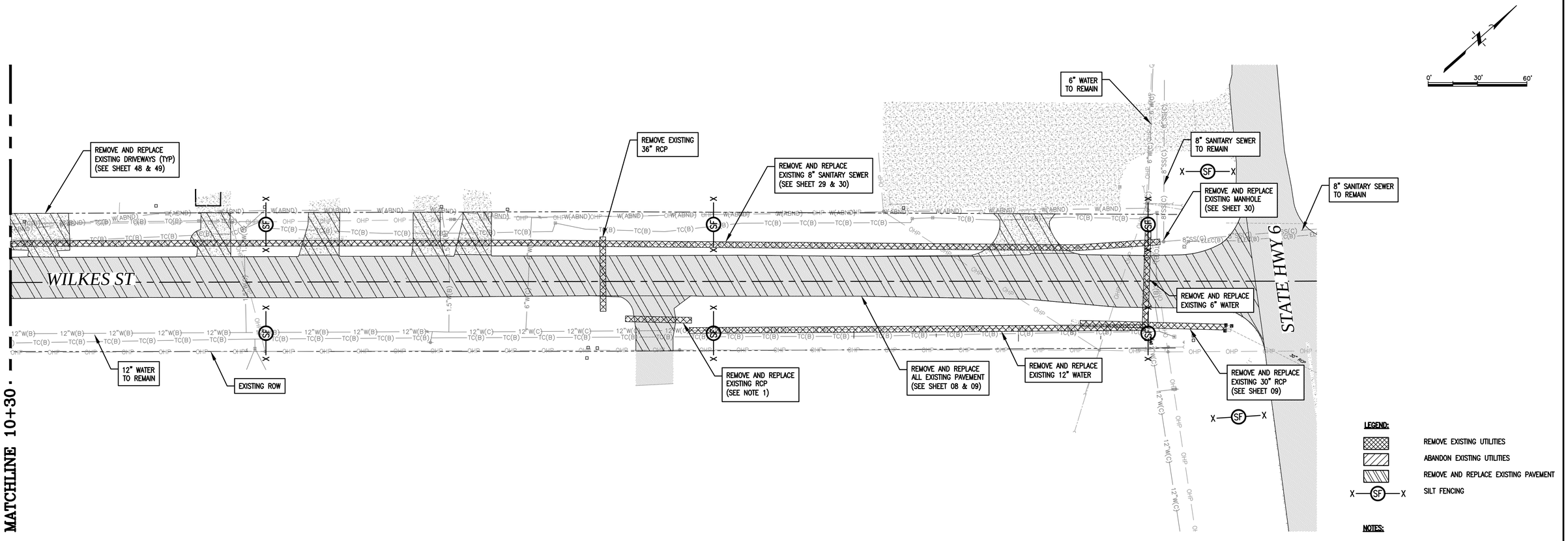
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. ––
SUBMITTED: –– SURV. BY: ––

STATE OF TEXAS
STEVE E. DUNCAN
83252
PROFESSIONAL ENGINEER
01/14/2016

SHEET NO.
113

S:\JC-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Demolition - Erosion Control Plan.dwg Jan 15, 2016 - 12:36pm CCC2



LEGEND:

- REMOVE EXISTING UTILITIES
- ABANDON EXISTING UTILITIES
- REMOVE AND REPLACE EXISTING PAVEMENT
- X—SF—X SILT FENCING

NOTES:

1. ALL EXISTING RCP'S TO BE REMOVED PRIOR TO CONSTRUCTION OF NEW DRIVEWAYS.
2. EXISTING MANHOLE TO BE ABANDONED. REMOVE 4' BELOW FINISH GRADE AND BACKFILL WITH CEMENT STABILIZED SAND.

DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION
WILKES ST DEMOLITION/ EROSION CONTROL (II)

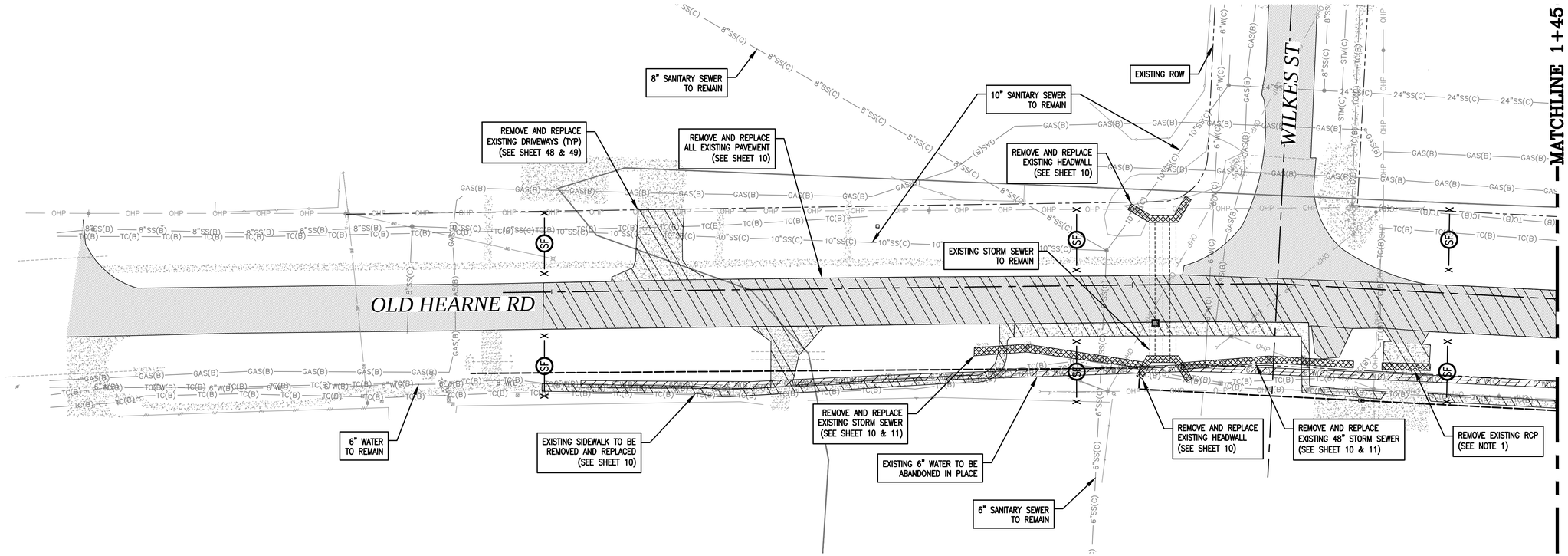
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

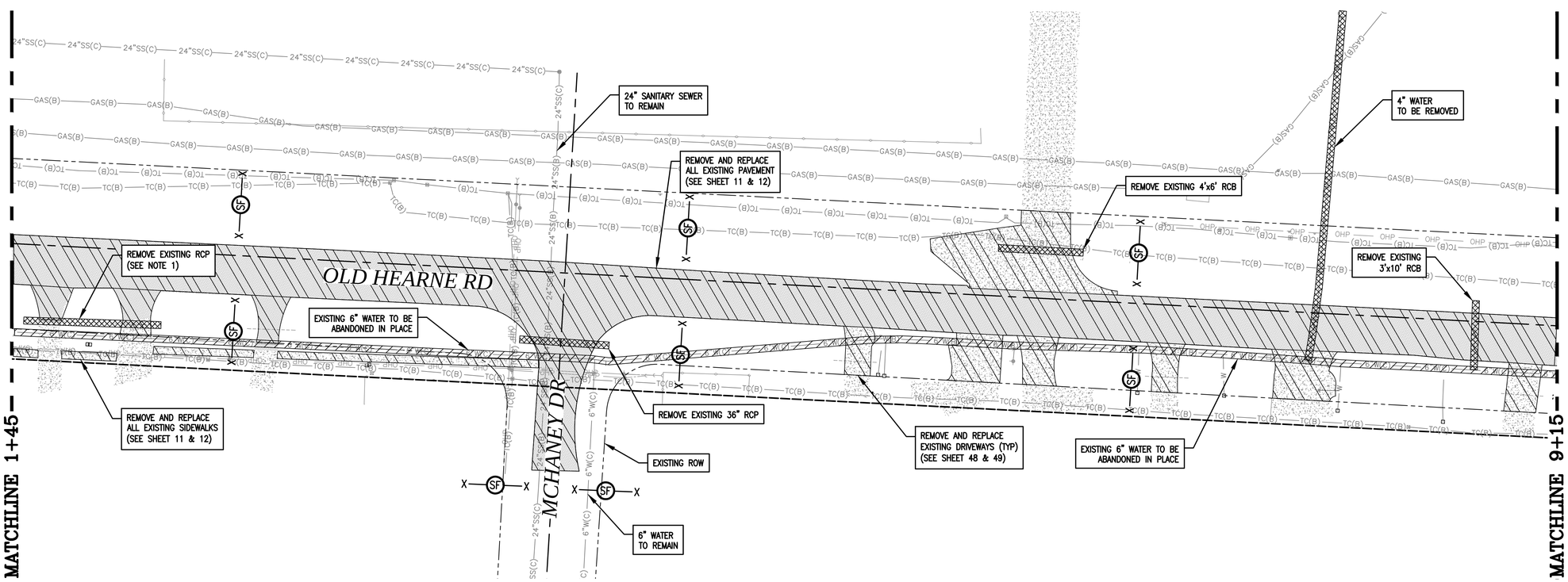
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS
STEVE E. DUNCAN
83252
PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
114

\\JCCS\shared\JO-Jobs\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Demolition - Erosion Control Plan.dwg Dec 30, 2015 - 6:48am JHC





LEGEND:

- REMOVE EXISTING UTILITIES
- ABANDON EXISTING UTILITIES
- REMOVE AND REPLACE EXISTING PAVEMENT
- X—SF—X SILT FENCING

NOTES:

1. ALL EXISTING RCP'S TO BE REMOVED PRIOR TO CONSTRUCTION OF NEW DRIVEWAYS.

DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

OLD HEARNE RD DEMOLITION/ EROSION CONTROL (I)

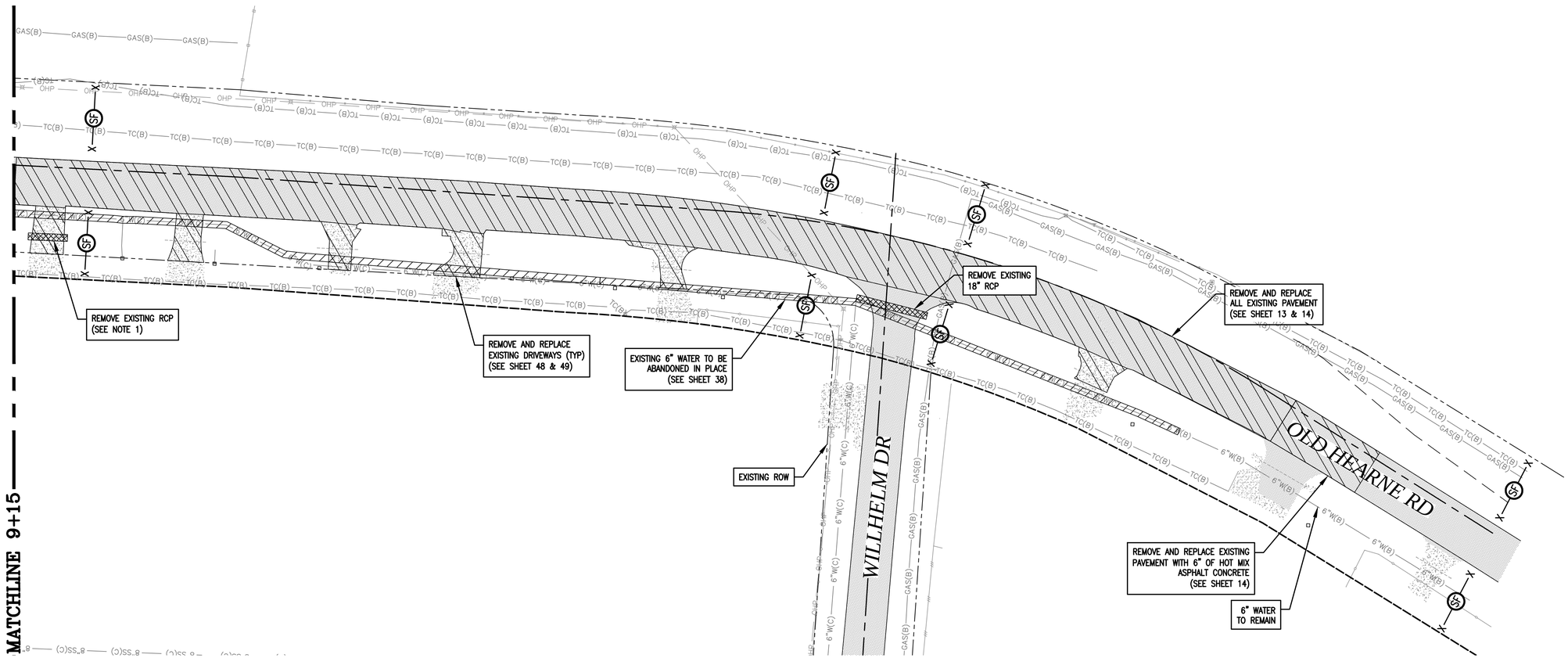
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

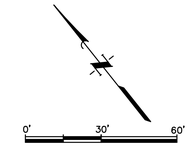
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS
STEVE E. DUNCAN
83252
LICENSED
PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
115

\\JCCS\shares\0-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Demolition - Erosion Control Plan.dwg Dec 30, 2015 - 6:48am JHC





LEGEND:

- REMOVE EXISTING UTILITIES
- ABANDON EXISTING UTILITIES
- REMOVE AND REPLACE EXISTING PAVEMENT
- X—(SF)—X SILT FENCING

NOTES:

1. ALL EXISTING RCP'S TO BE REMOVED PRIOR TO CONSTRUCTION OF NEW DRIVEWAYS.

	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

OLD HEARNE RD DEMOLITION/ EROSION CONTROL (II)

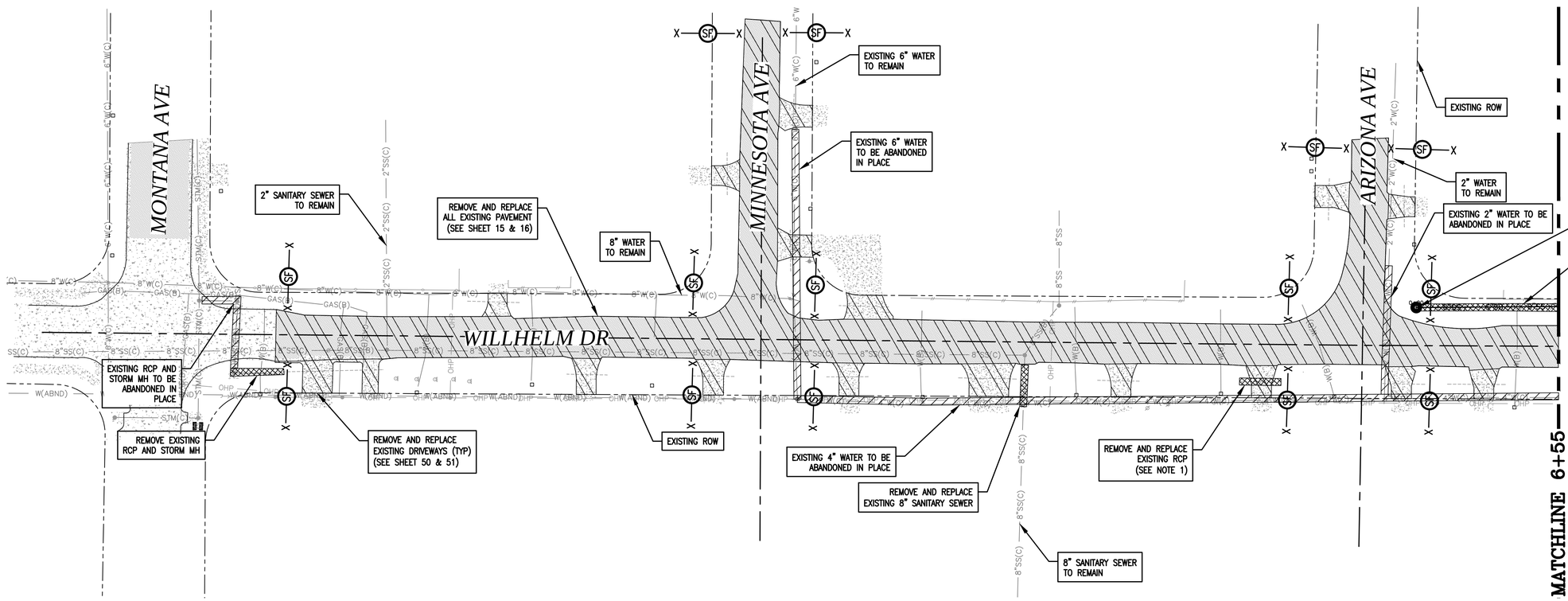
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

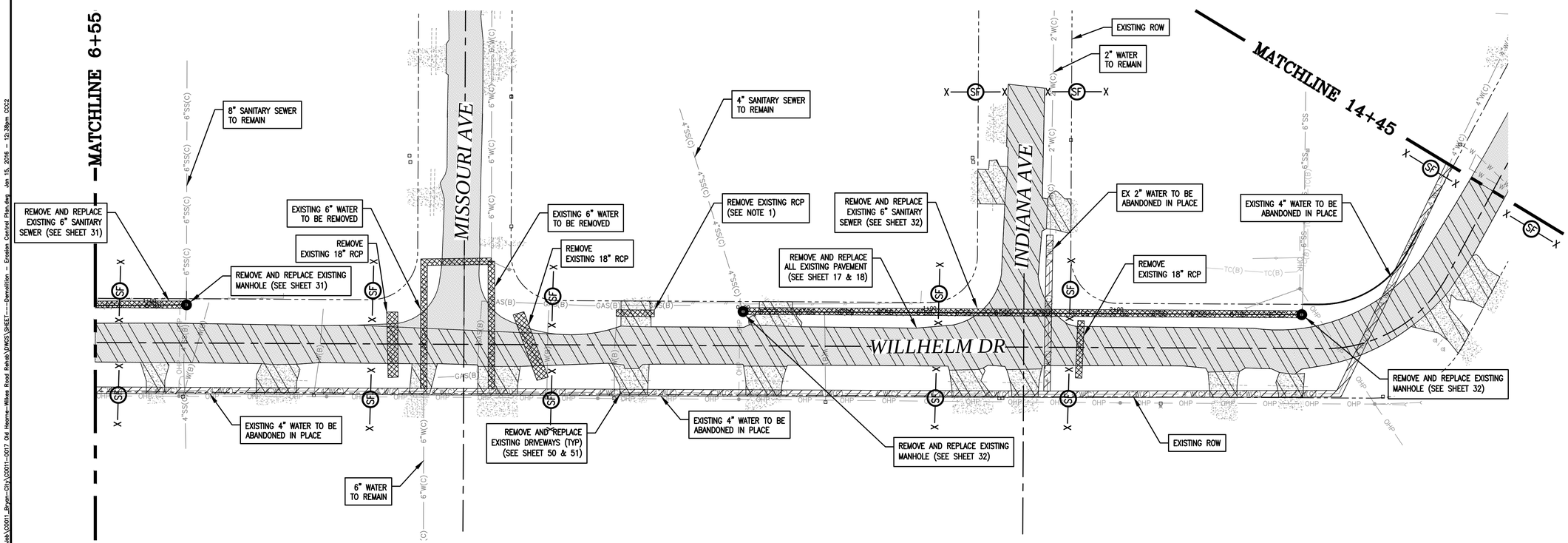
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. ––
SUBMITTED: –– SURV. BY: ––

STATE OF TEXAS
STEVE E. DUNCAN
83252
LICENSED PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
116

\\JCCS\where1\O-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Demolition - Erosion Control Plan.dwg Dec 30, 2015 - 6:48am JHC





LEGEND:

- REMOVE EXISTING UTILITIES
- ABANDON EXISTING UTILITIES
- REMOVE AND REPLACE EXISTING PAVEMENT
- X—SF—X SILT FENCING

NOTES:

1. ALL EXISTING RCP'S TO BE REMOVED PRIOR TO CONSTRUCTION OF NEW DRIVEWAYS.

	DATE	REVISIONS	APP.
1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION
WILLHELM DR DEMOLITION/ EROSION CONTROL (I)

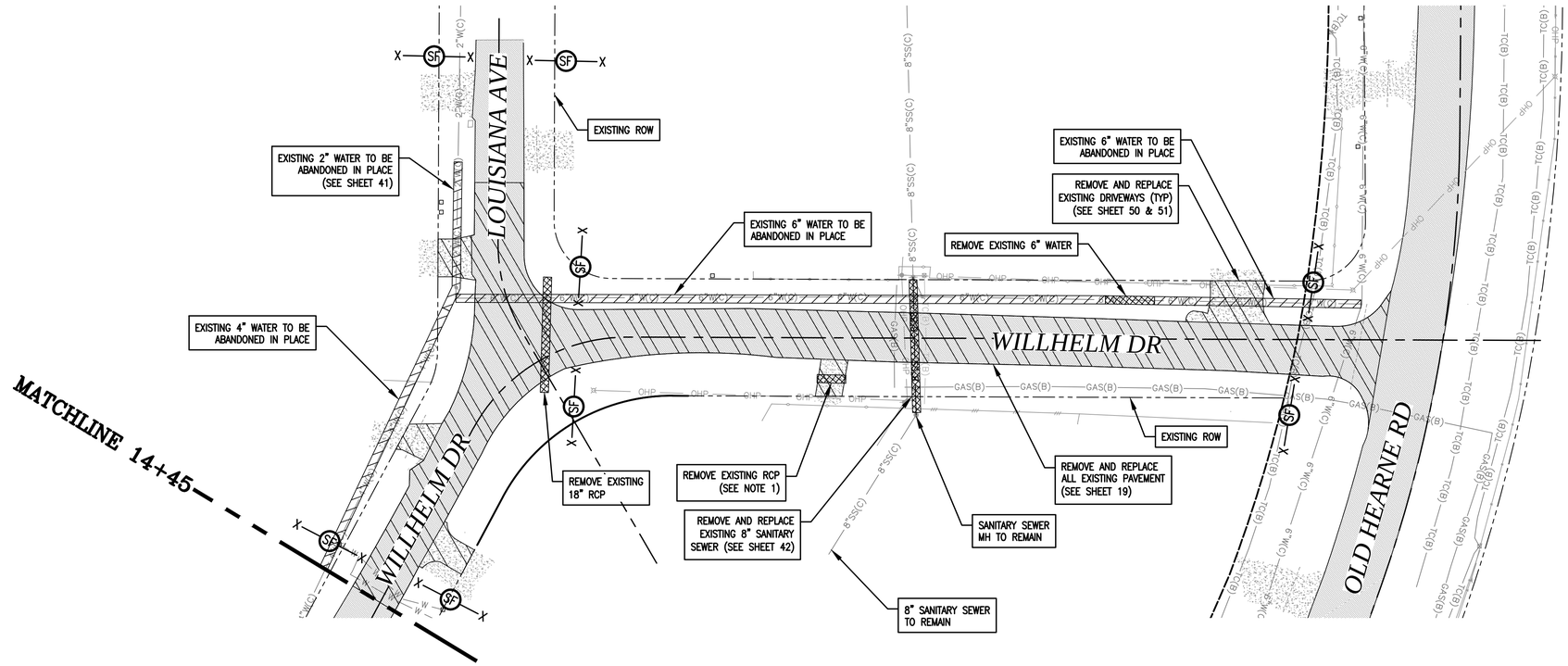
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

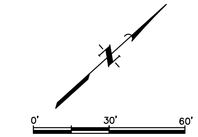
SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. ––
SUBMITTED: –– SURV. BY: ––

STATE OF TEXAS
STEVE E. DUNCAN
83252
PROFESSIONAL LICENSED
01/14/2016

SHEET NO.
117

S:\JC-lab\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Demolition - Erosion Control Plan.dwg Jan 15, 2016 - 12:39pm CCC2





LEGEND:

- REMOVE EXISTING UTILITIES
- ABANDON EXISTING UTILITIES
- REMOVE AND REPLACE EXISTING PAVEMENT
- X—(SF)—X SILT FENCING

NOTES:

1. ALL EXISTING RCP'S TO BE REMOVED PRIOR TO CONSTRUCTION OF NEW DRIVEWAYS.

DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITION

WILLHELM DR DEMOLITION/ EROSION CONTROL (II)

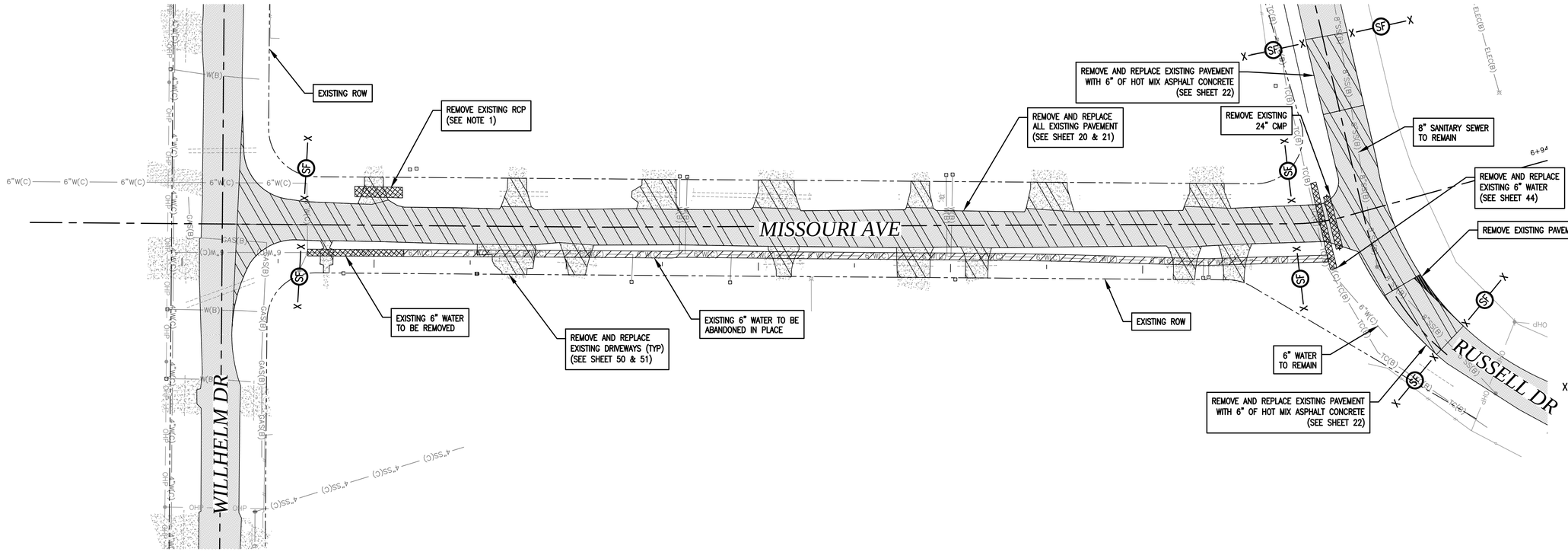
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. ––
SUBMITTED: –– SURV. BY: ––

STATE OF TEXAS
STEVE E. DUNCAN
83252
LICENSED
PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
118

\\JCS\where\0-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Demolition - Erosion Control Plan.dwg Dec 30, 2015 - 6:49am JHC



LEGEND:

- REMOVE EXISTING UTILITIES
- ABANDON EXISTING UTILITIES
- REMOVE AND REPLACE EXISTING PAVEMENT
- X—SF—X SILT FENCING

NOTES:

1. ALL EXISTING RCP'S TO BE REMOVED PRIOR TO CONSTRUCTION OF NEW DRIVEWAYS.

	DATE	REVISIONS	APP.
1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITION

MISSOURI AVE DEMOLITION/ EROSION CONTROL

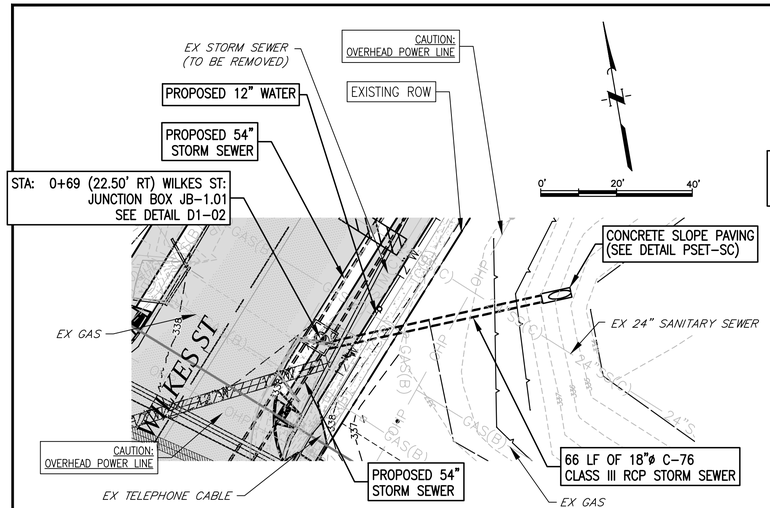
JONES|CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

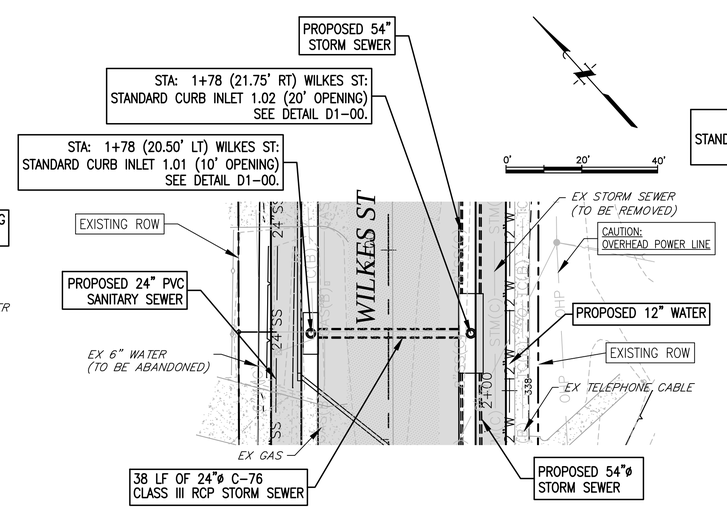
STATE OF TEXAS
STEVE E. DUNCAN
83252
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

SHEET NO.
119

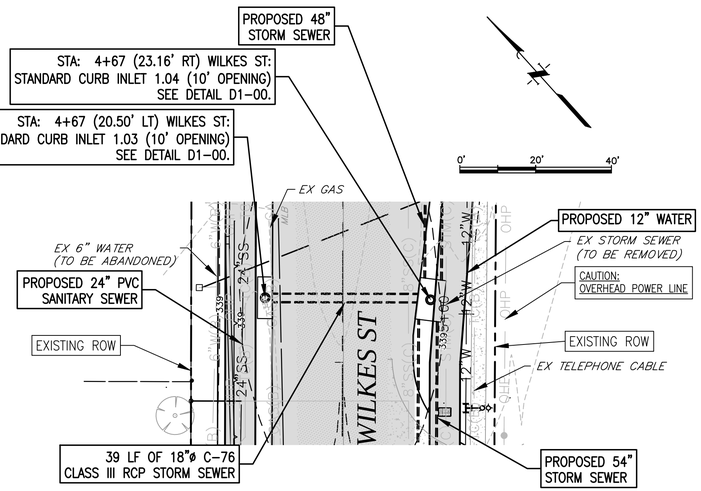
S:\Jc-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Demolition - Erosion Control Plan.dwg Jan 15, 2016 - 12:39pm CCC2



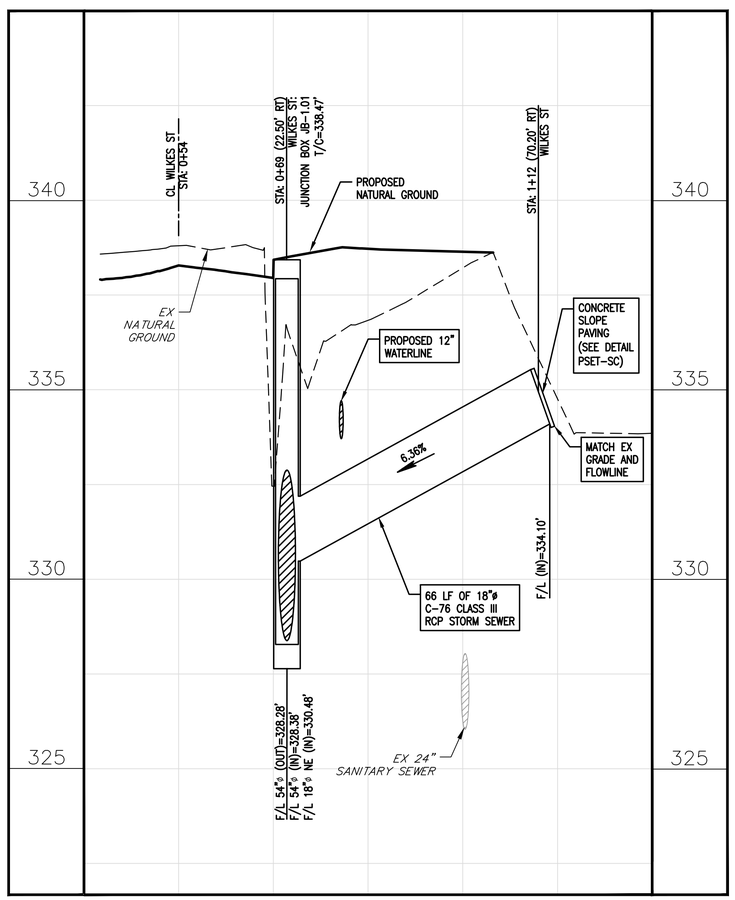
WILKES ST
STA: 0+69

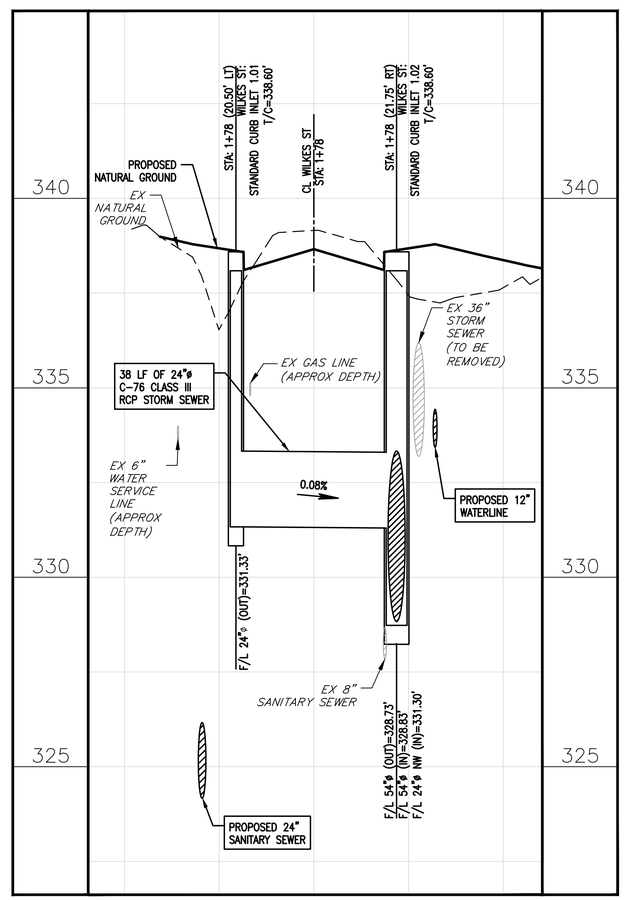


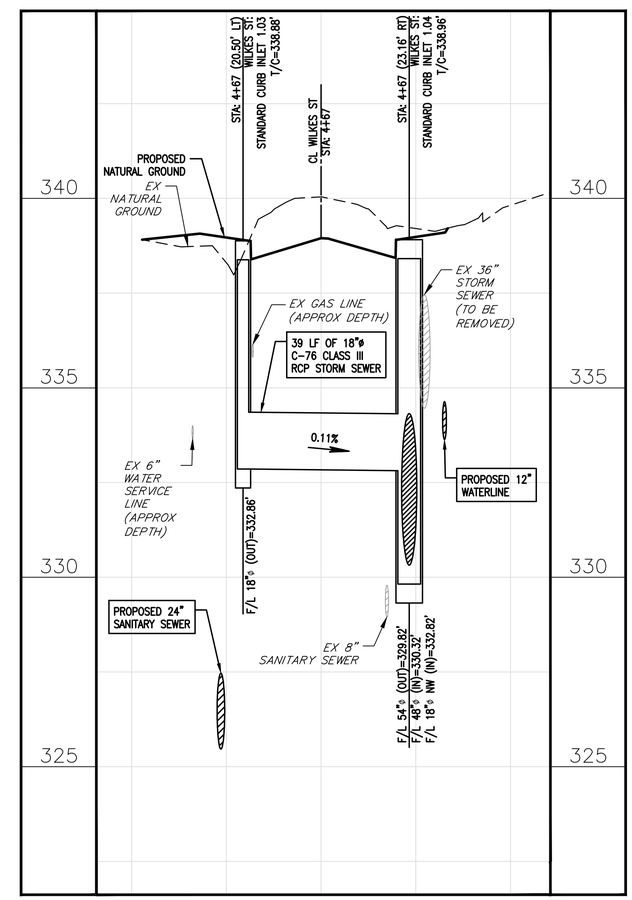
WILKES ST
STA: 1+78

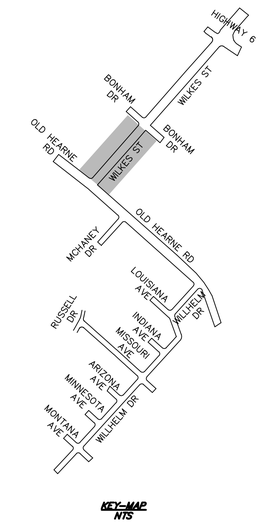


WILKES ST
STA: 4+67









KEY-MAP
NTS

1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB
	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION
WILKES ST CULVERT CROSS–SECTION (I)

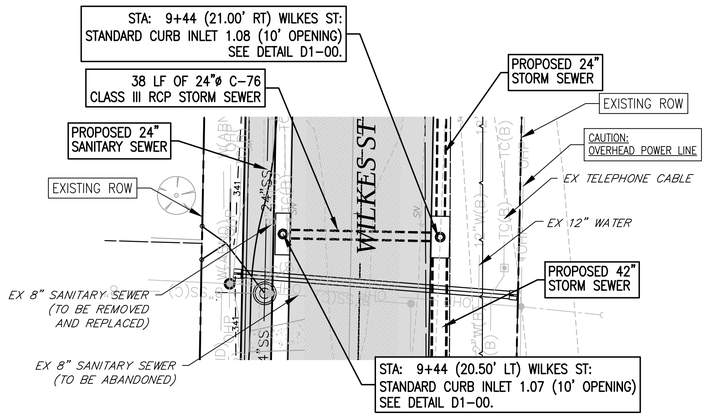
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

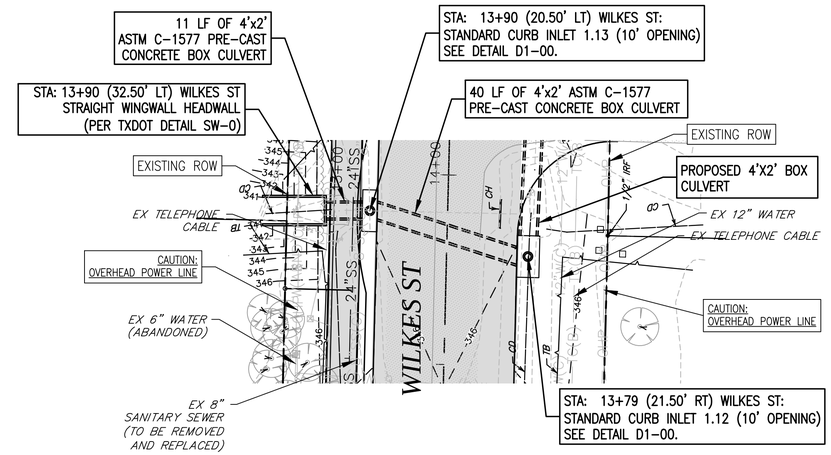
STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

SHEET NO.
120

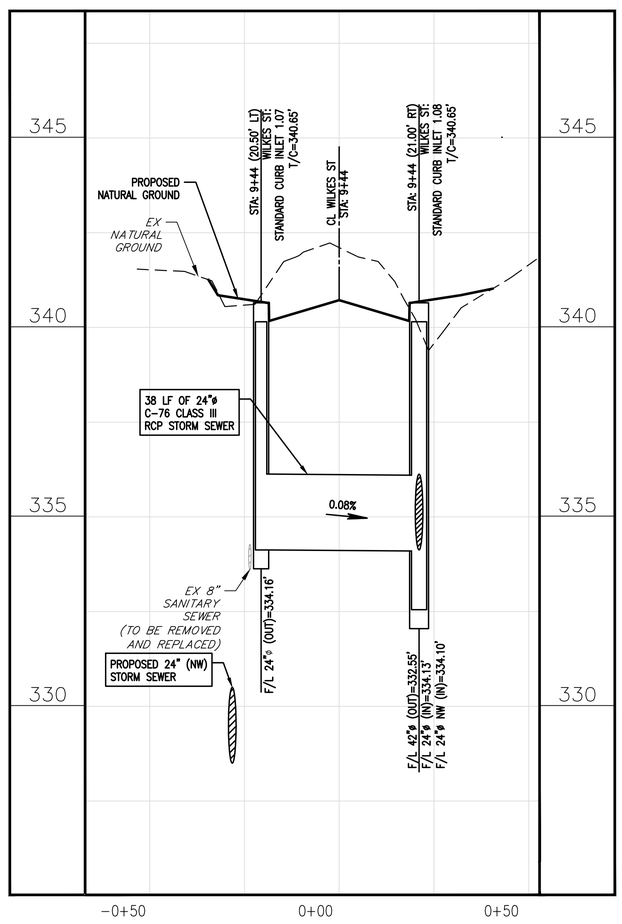
S:\JC-lab\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Culvert Cross Sections.dwg Jan 15, 2016 - 9:28am CCC2

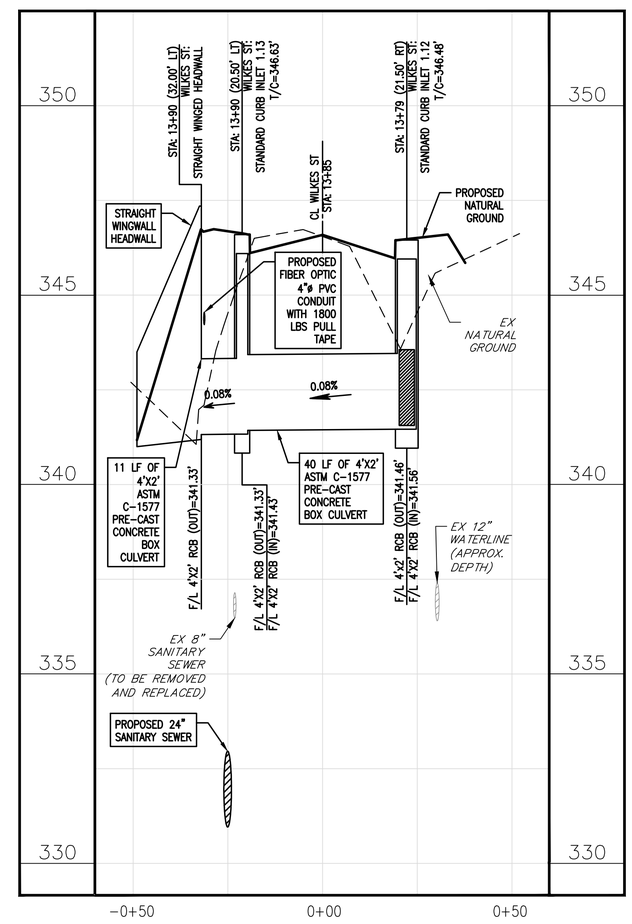


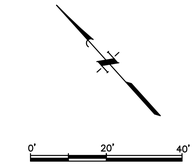
WILKES ST
STA: 9+44

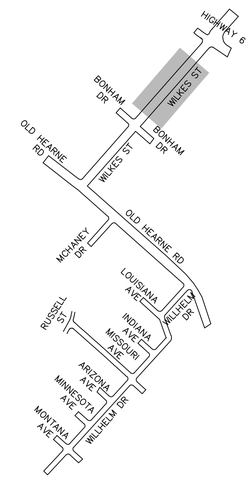


WILKES ST
STA: 13+85









KEY-MAP
NTS

DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET
REHABILITATION
WILKES ST
CULVERT CROSS-SECTION
(II)

JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
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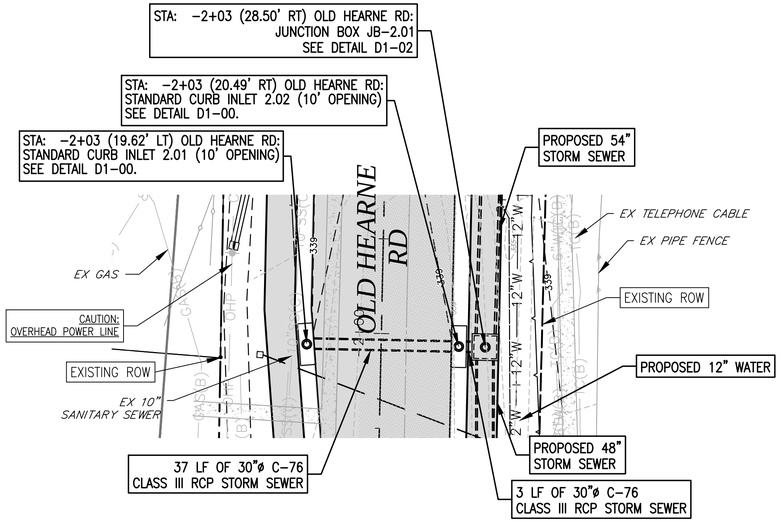
SUBMITTED: -- SURV. BY: --

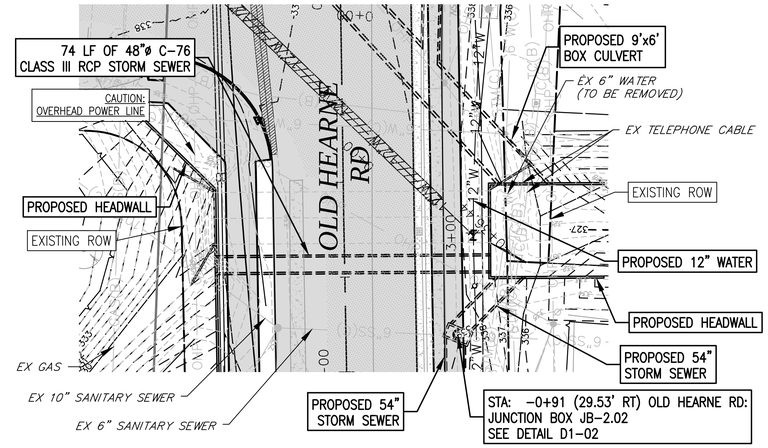
STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
121

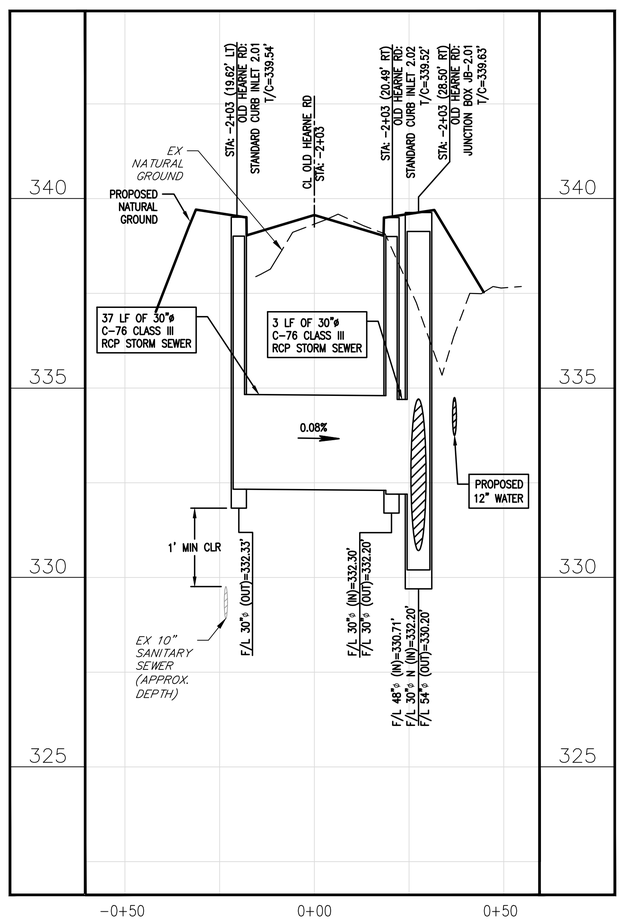
\\JCCS\where1\O-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET----Culvert Cross Sections.dwg Jan 05, 2016 - 12:46am JHC

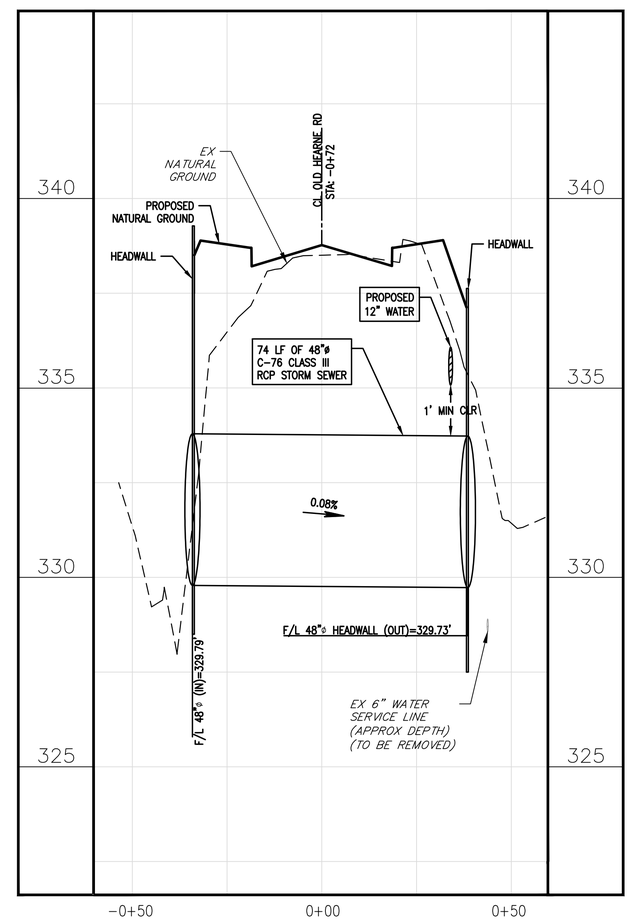


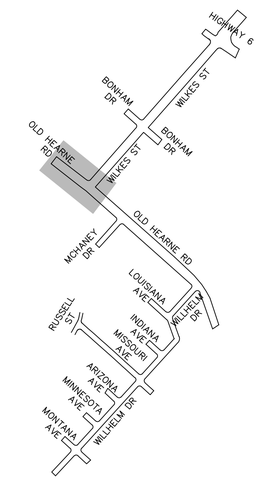
OLD HEARNE RD
STA: -2+03



OLD HEARNE RD
STA: -0+72







KEY-MAP
NTS

DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

WILKES ST & OLD HEARNE RD CULVERT CROSS–SECTION

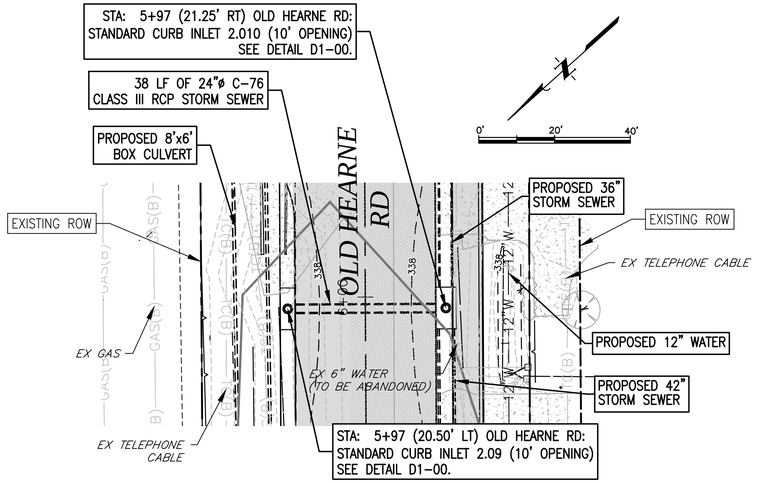
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

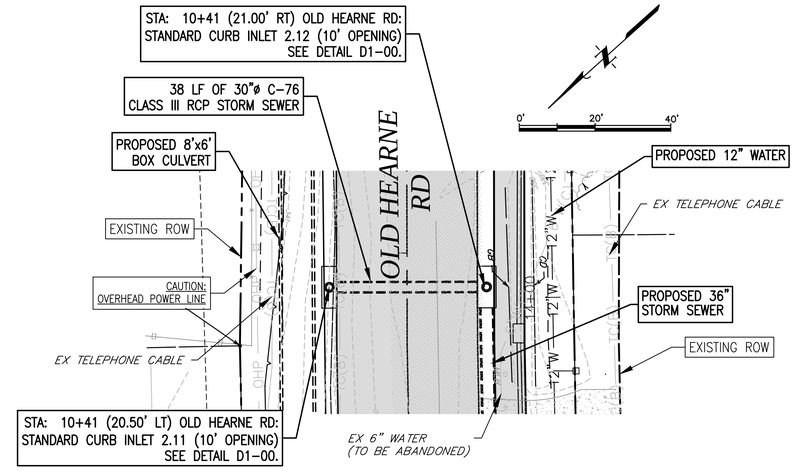
STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
122

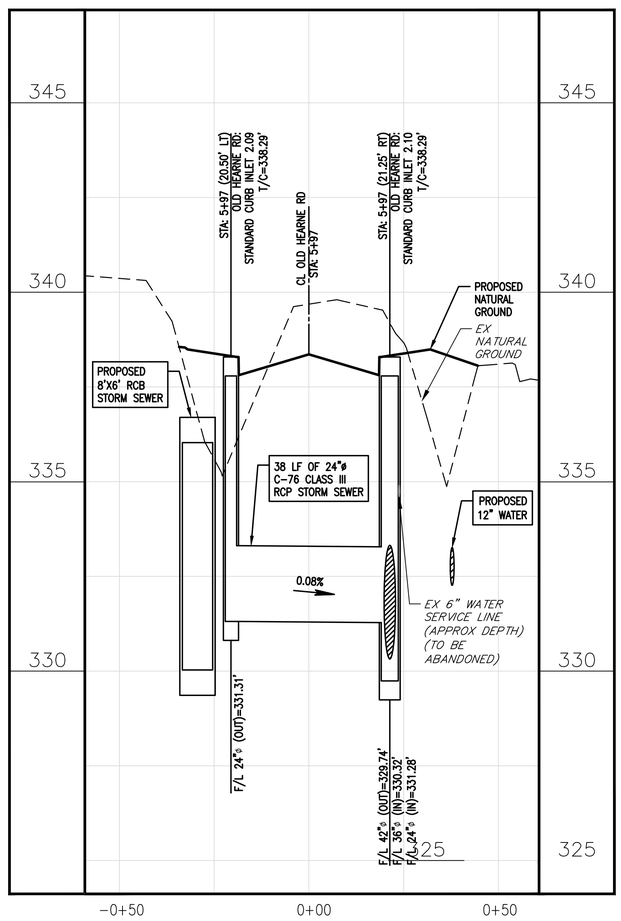
\\JCCS\where1\0-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Culvert Cross Sections.dwg Jan 05, 2016 - 12:46am JHC

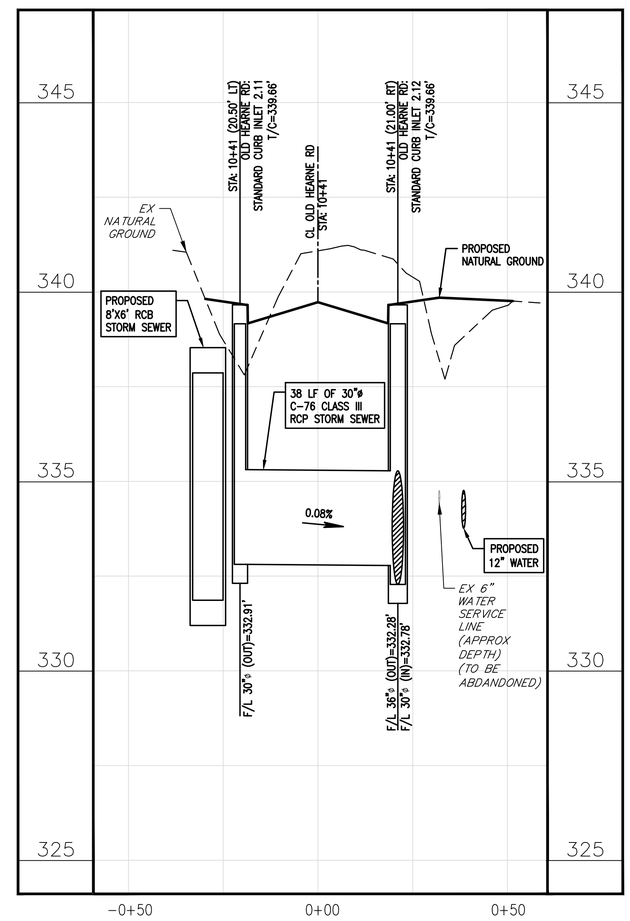


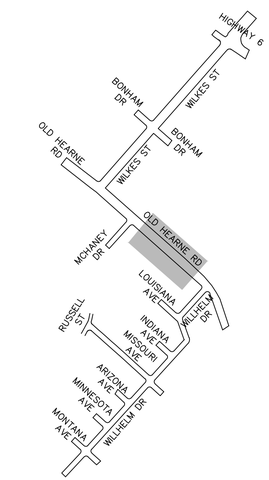
OLD HEARNE RD
STA: 5+97



OLD HEARNE RD
STA: 10+41







KEY-MAP
NTS

DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET
REHABILITATION

OLD HEARNE RD
CULVERT CROSS–SECTION
(II)

JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
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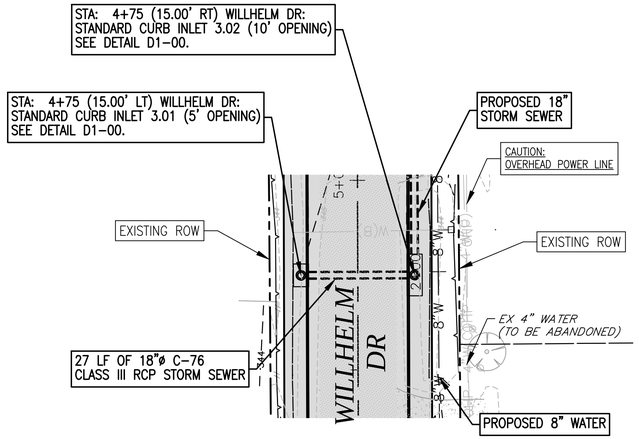
SUBMITTED: -- SURV. BY: --

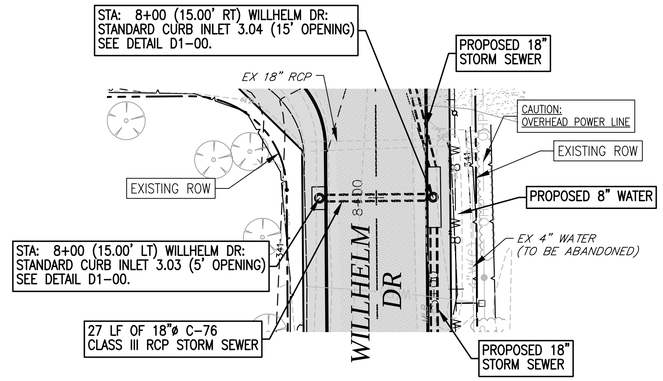
STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
123

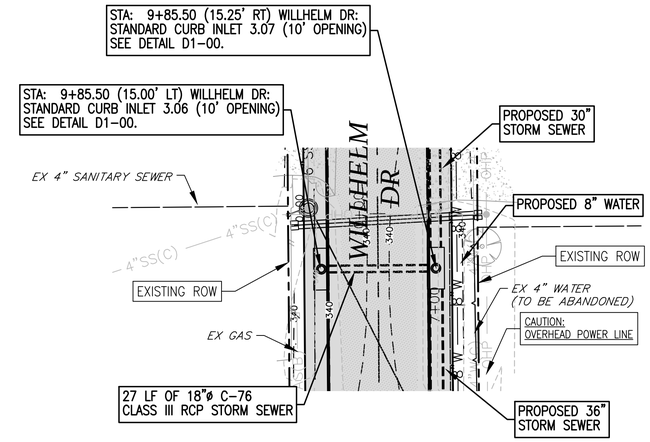
\\JCCS\where\Jc-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Culvert Cross Sections.dwg Jan 05, 2016 - 12:46am JHC



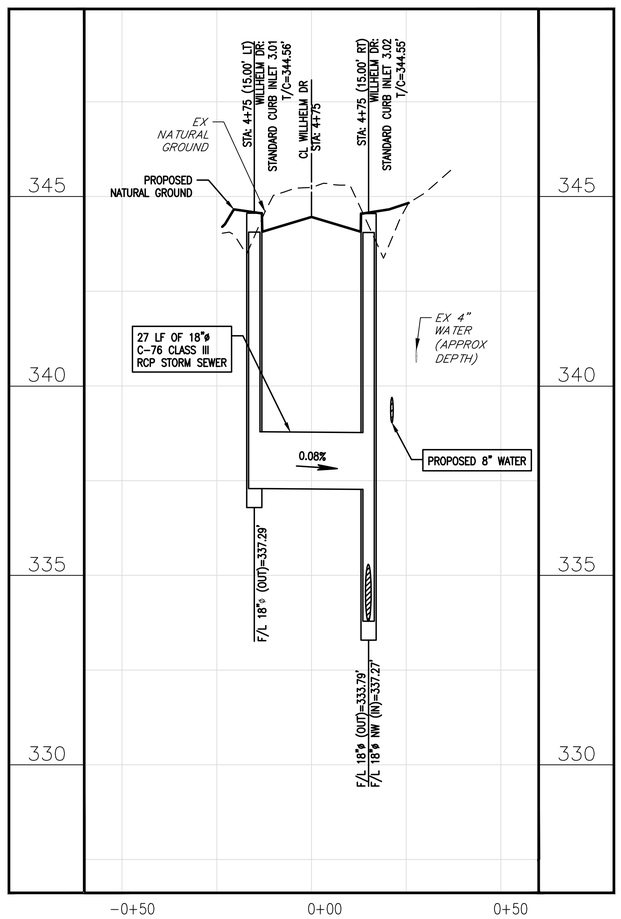
WILLHELM DR
STA: 4+75

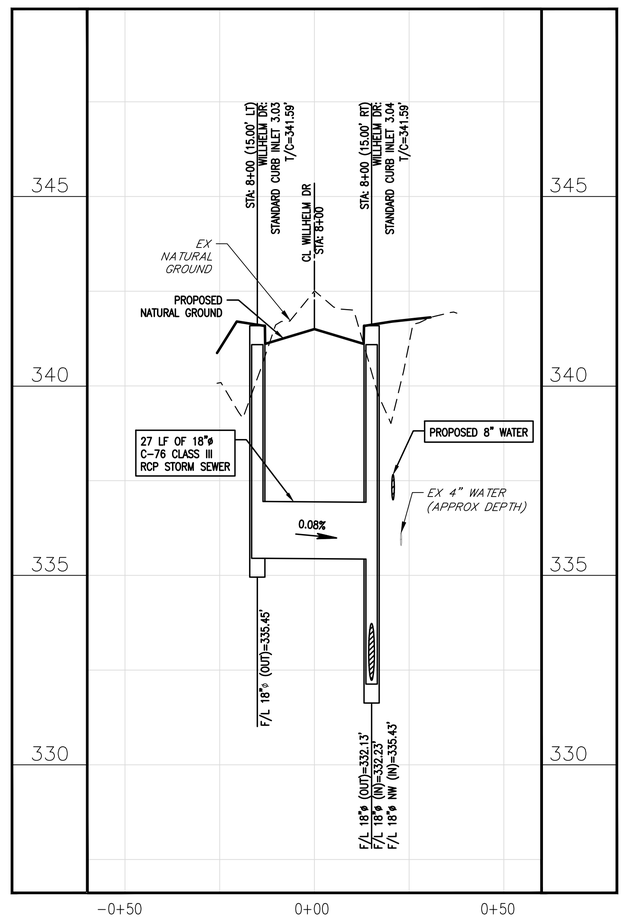


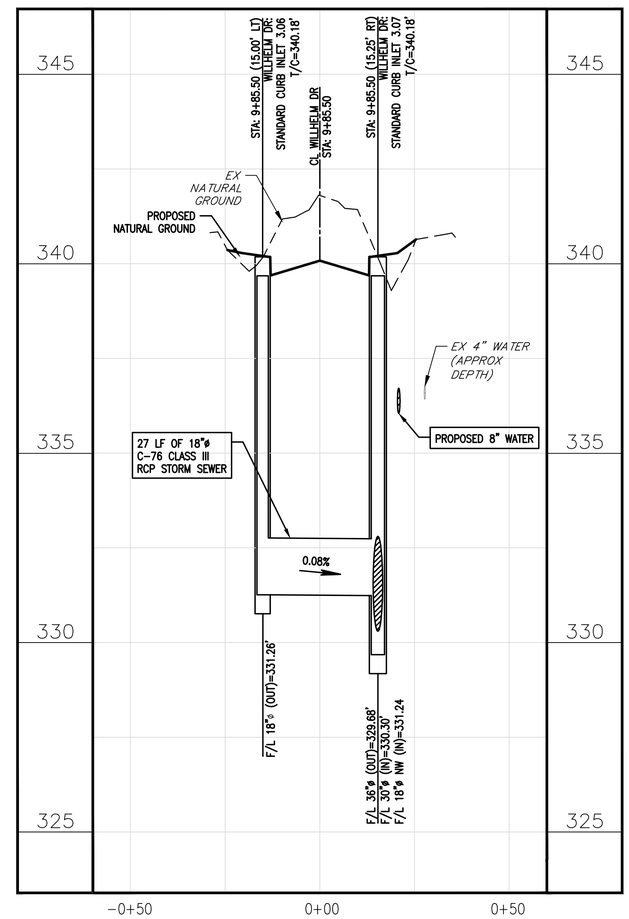
WILLHELM DR
STA: 8+00

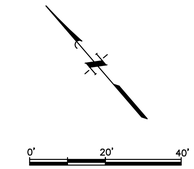


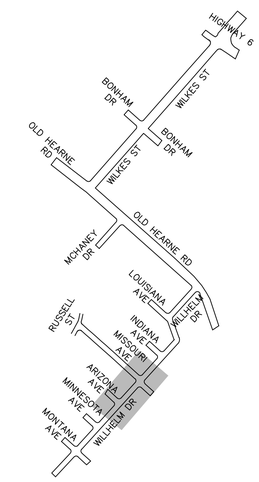
WILLHELM DR
STA: 9+85.50











KEY-MAP
NTS

DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET
REHABILITATION
WILLHELM DR
CULVERT CROSS–SECTION
(I)

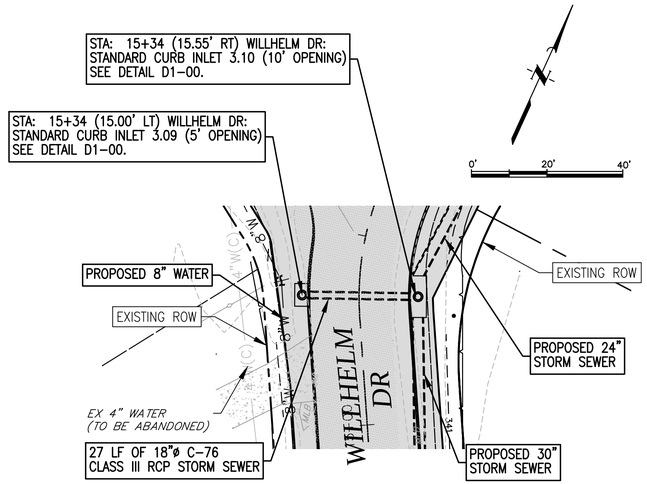
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011-0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

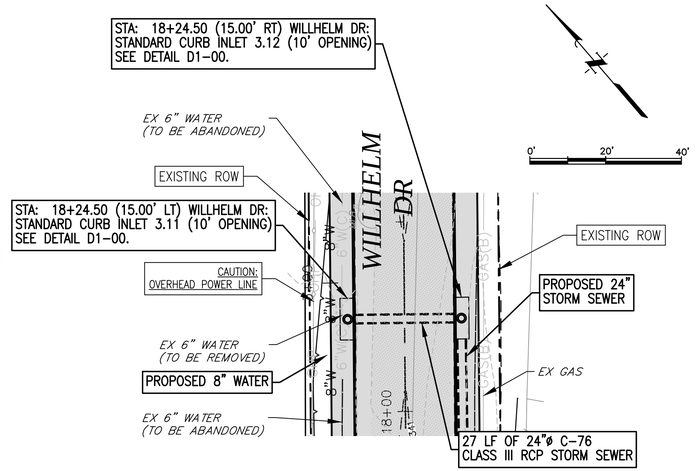
STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
124

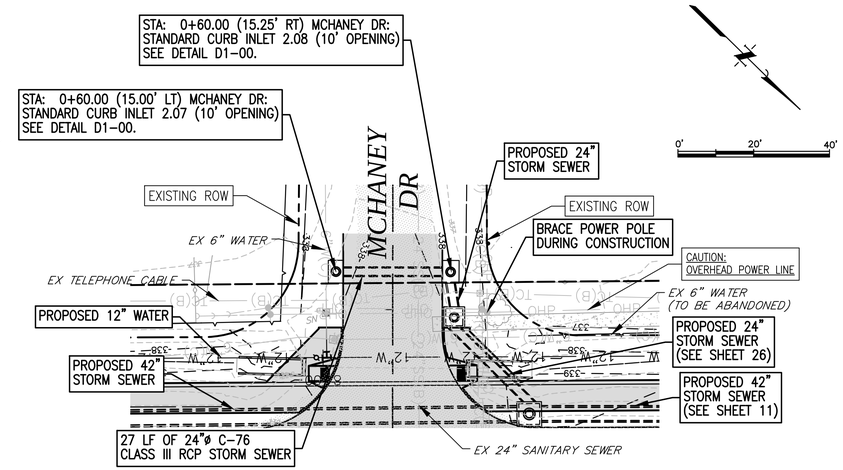
\\JCCS\where\Jc-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Culvert Cross Sections.dwg Jan 05, 2016 - 12:47am JHC



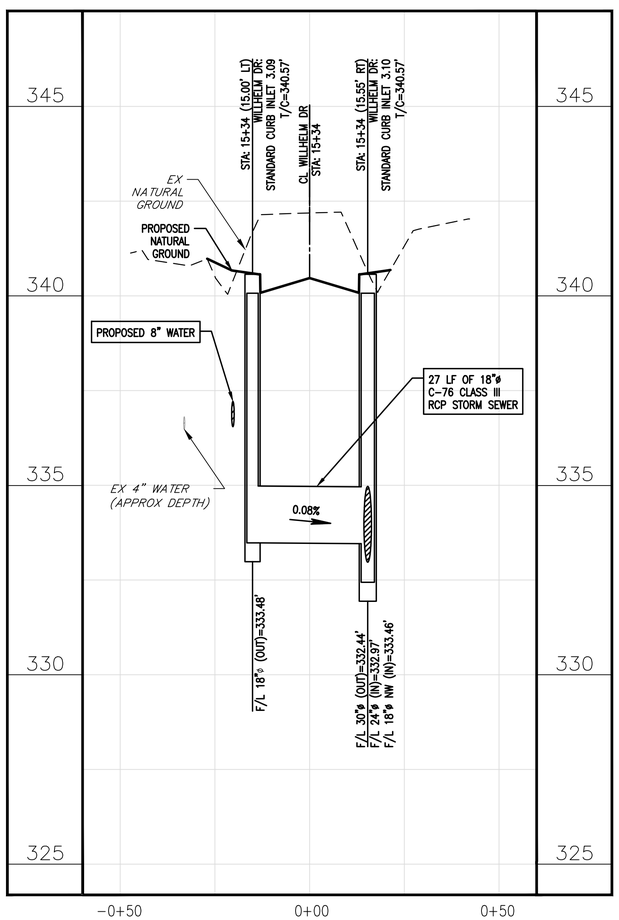
WILLHELM DR
STA: 15+34

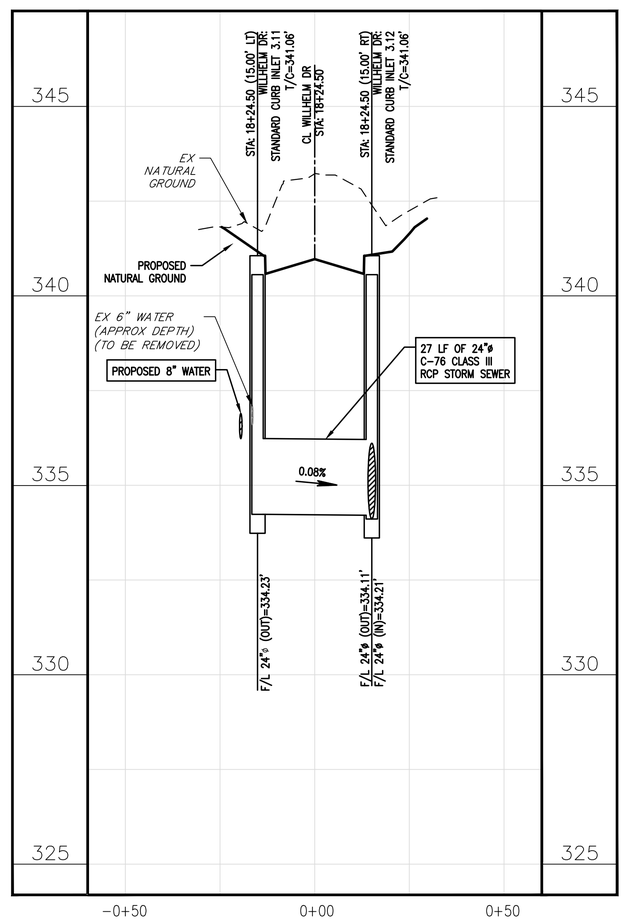


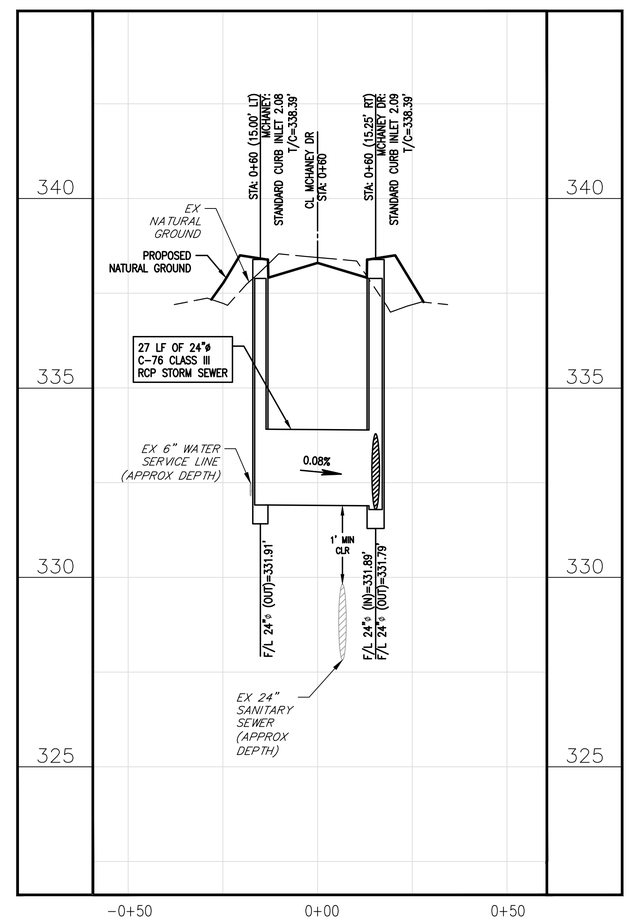
WILLHELM DR
STA: 18+24.50

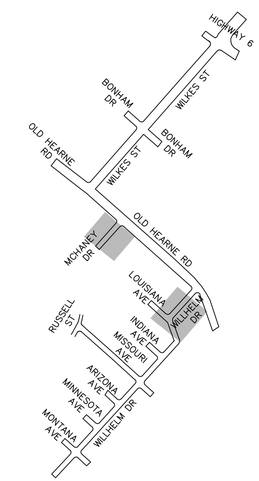


MCHANEY DR
STA: 0+60









KEY-MAP
NTS

DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

WILLHELM DR & MCHANEY DR CULVERT CROSS-SECTION (II)

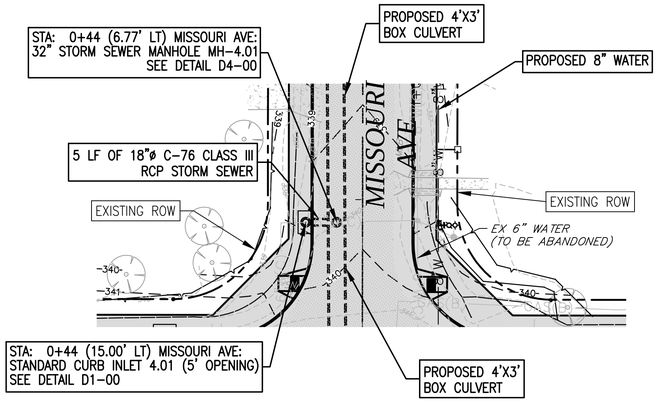
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011-0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

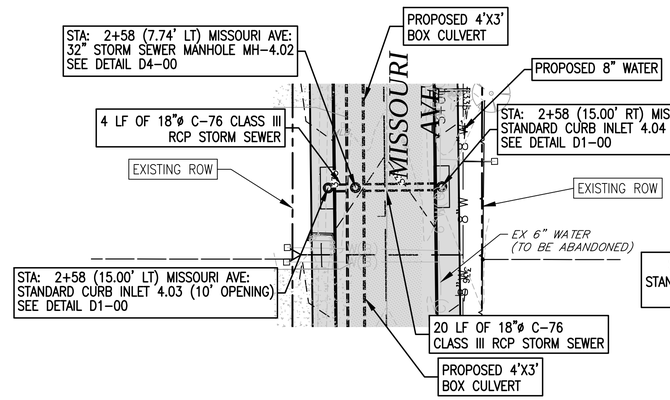
STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
125

\\JCCS\where\O-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET----Culvert Cross Sections.dwg Jan 05, 2016 - 12:47am JHC



MISSOURI AVE
STA: 0+44



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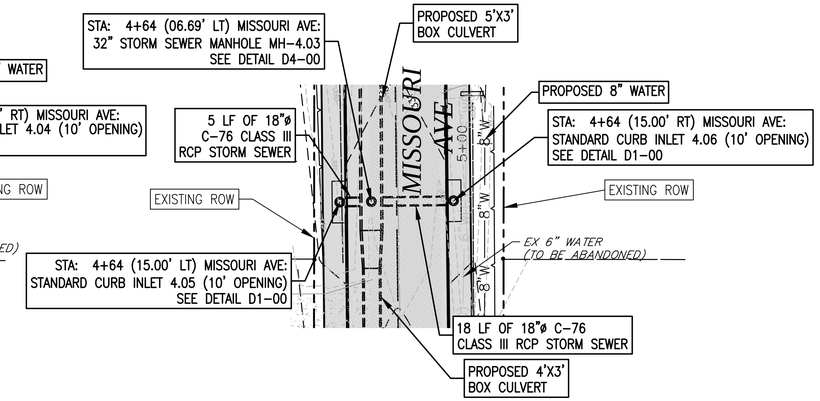
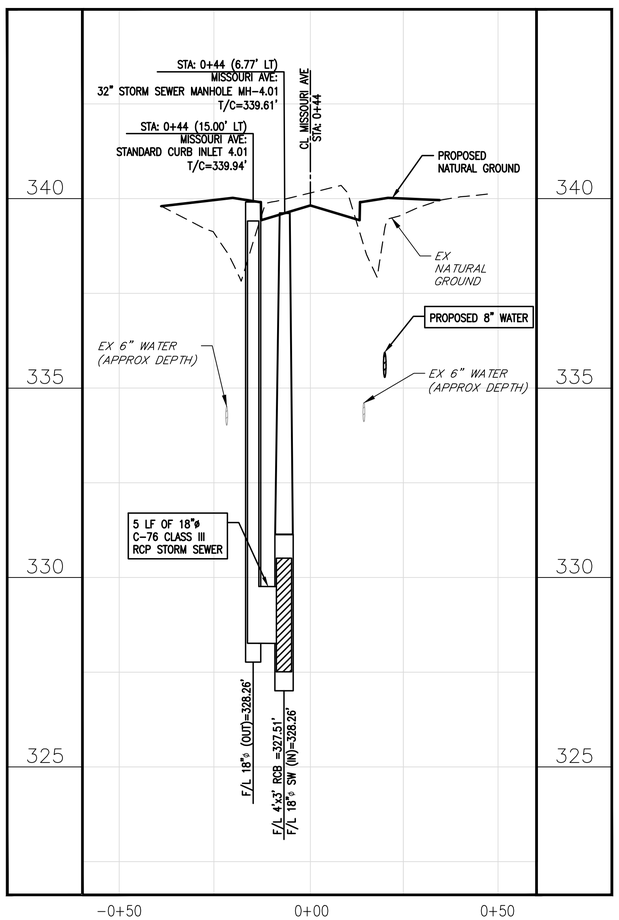
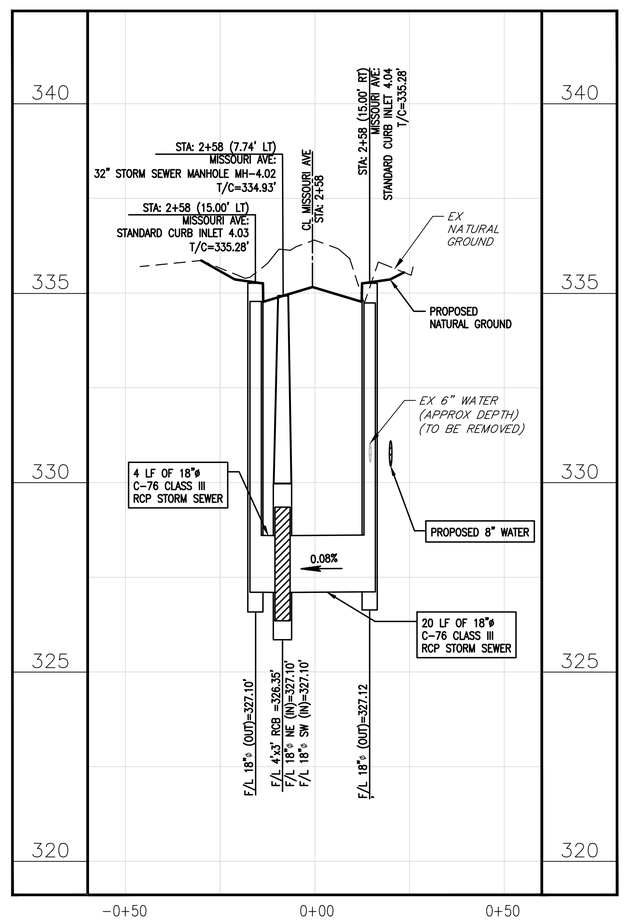
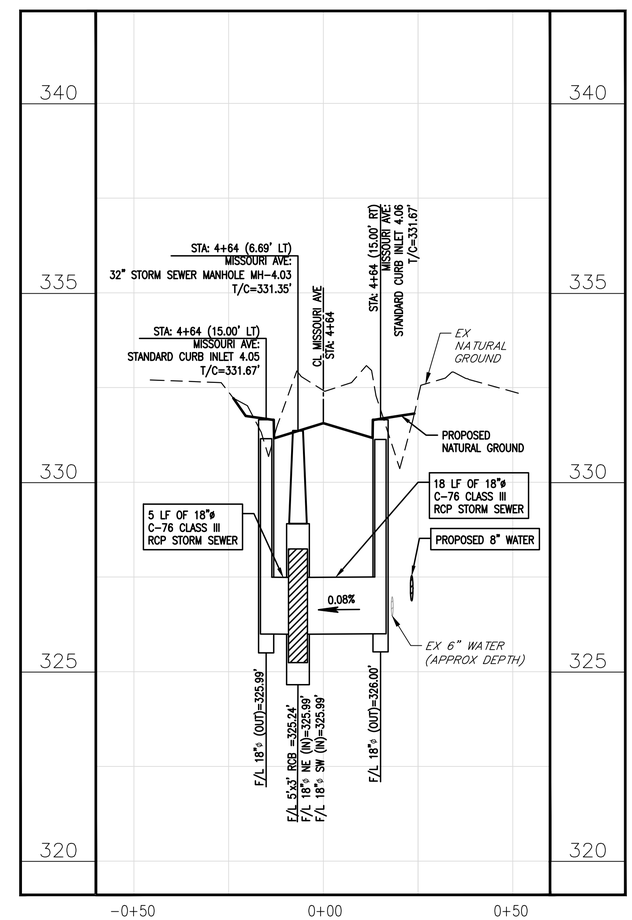
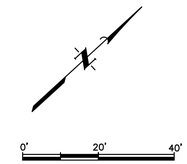


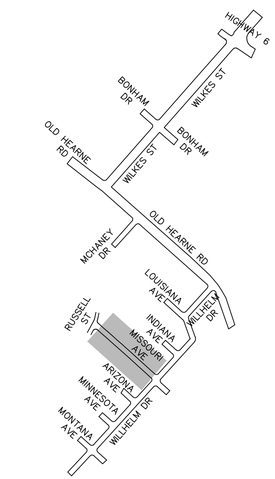
MISSOURI AVE
STA: 4+64











KEY-MAP
NTS

DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

MISSOURI AVE CULVERT CROSS-SECTION

JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
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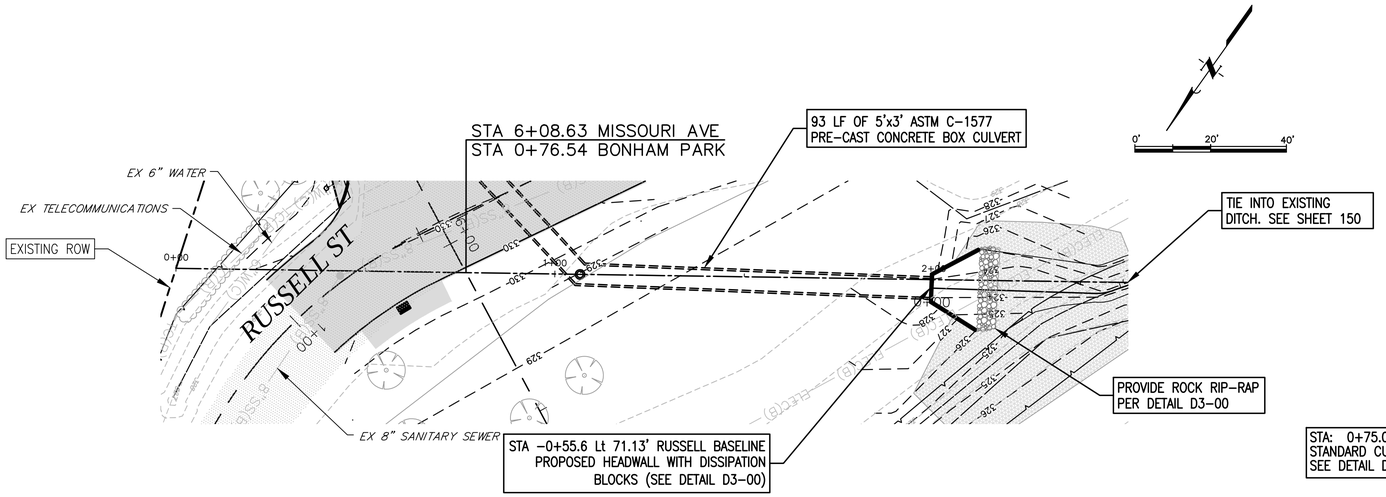
JOB NO. C0011-0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

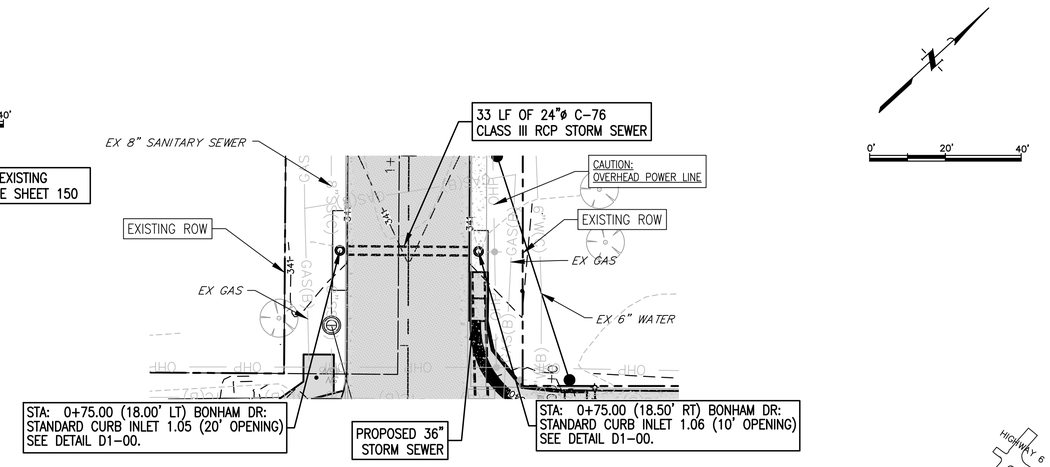
STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
126

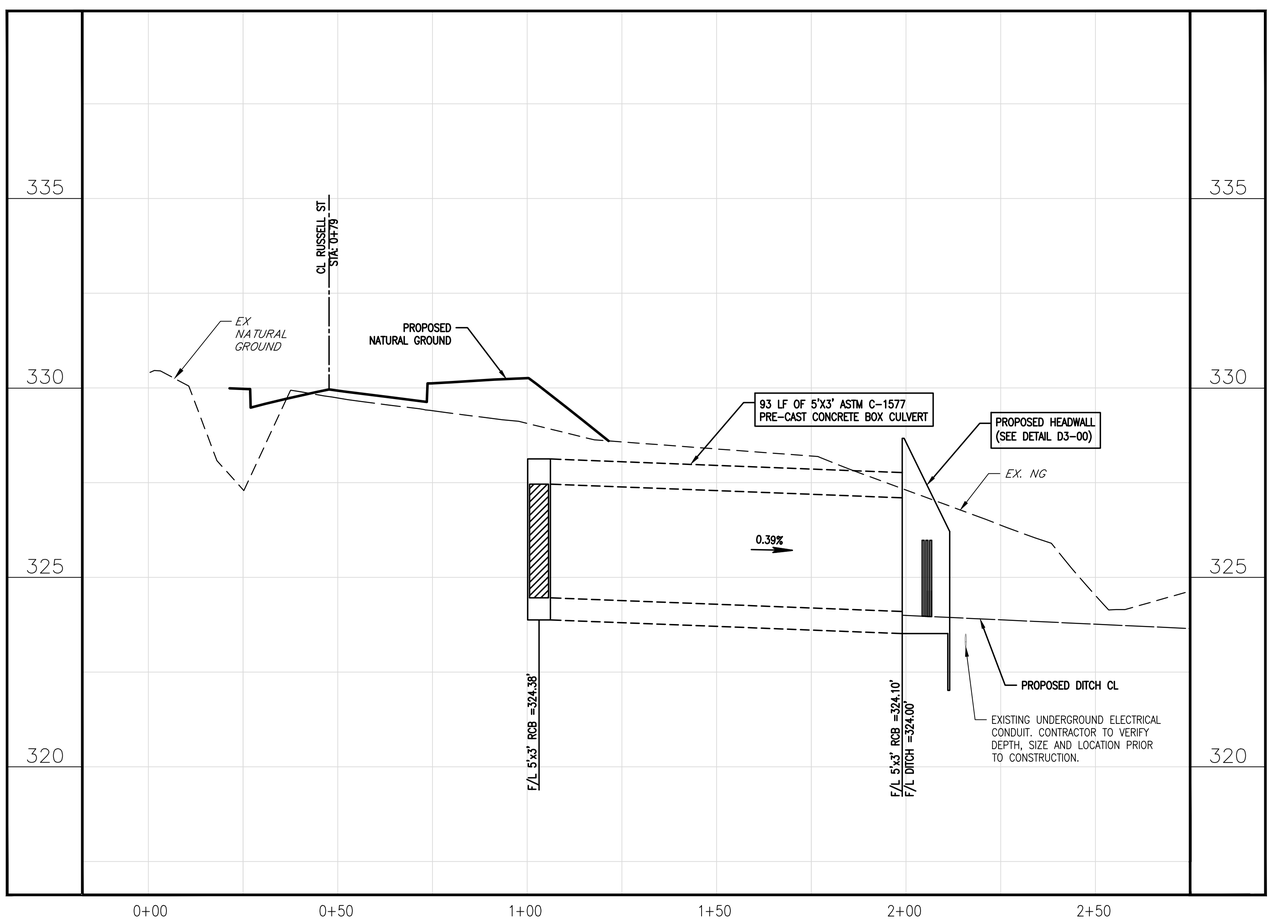
\\JCCS\where1\J0-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET----Culvert Cross Sections.dwg Jan 05, 2016 - 12:47am JHC

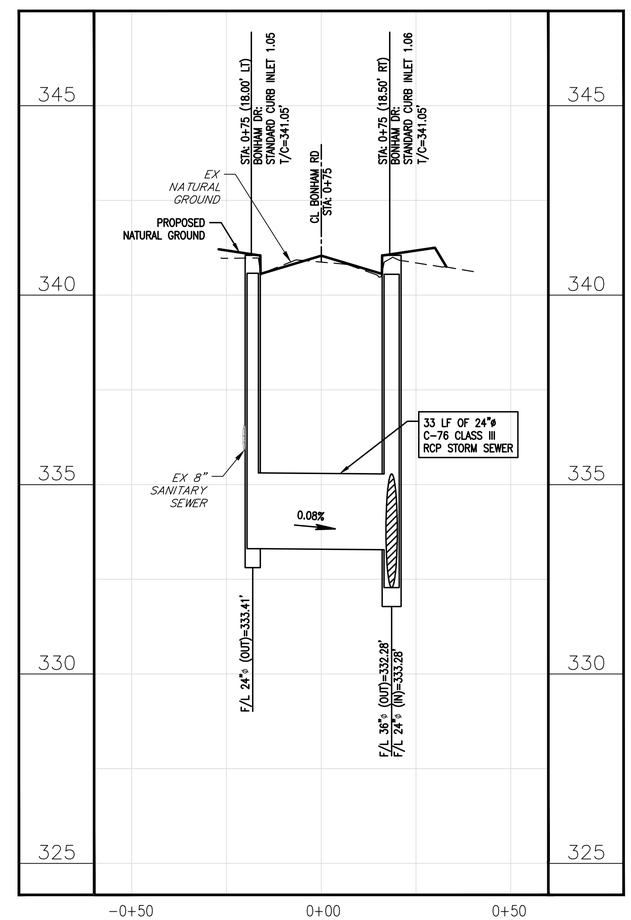


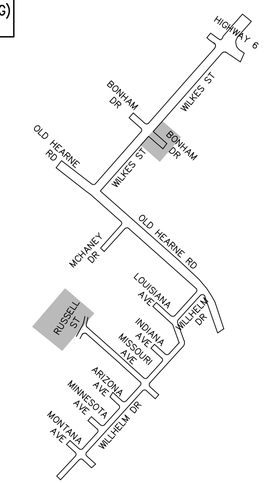
BONHAM PARK
STA: 0+00 to 2+50



BONHAM DR
STA: 0+75







KEY-MAP
NTS

	DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET
REHABILITATION

BONHAM DR & PARK
CULVERT CROSS-SECTION

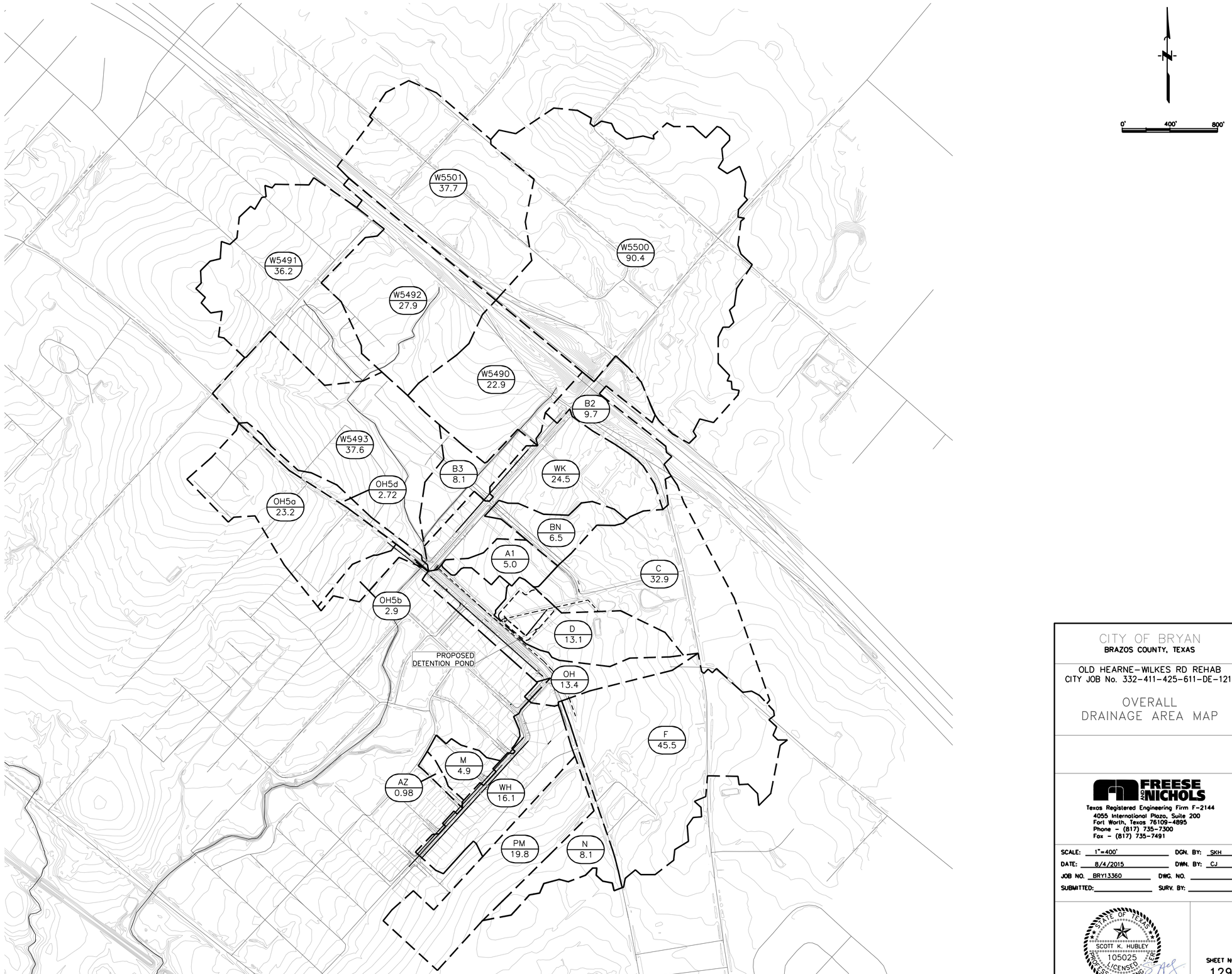
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE:	AS NOTED	DGN. BY:	JHC
DATE:	AS NOTED	DWN. BY:	CRM
JOB NO.	C0011–0017	DWG. NO.	--
SUBMITTED:	--	SURV. BY:	--

STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
127

\\JCGS\where1\0-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Culvert Cross Sections.dwg Jan 05, 2016 - 12:47am JHC



LEGEND

- ANALYSIS POINT
- W5500 / 93.1 — DRAINAGE AREA ID / DRAINAGA AREA (AC)
- DRAINAGE BOUNDARY
- EXISTING STORM DRAIN
- 2' CONTOURS
- PROPOSED DETENTION POND

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE-WILKES RD REHAB
CITY JOB No. 332-411-425-611-DE-1211

OVERALL
DRAINAGE AREA MAP

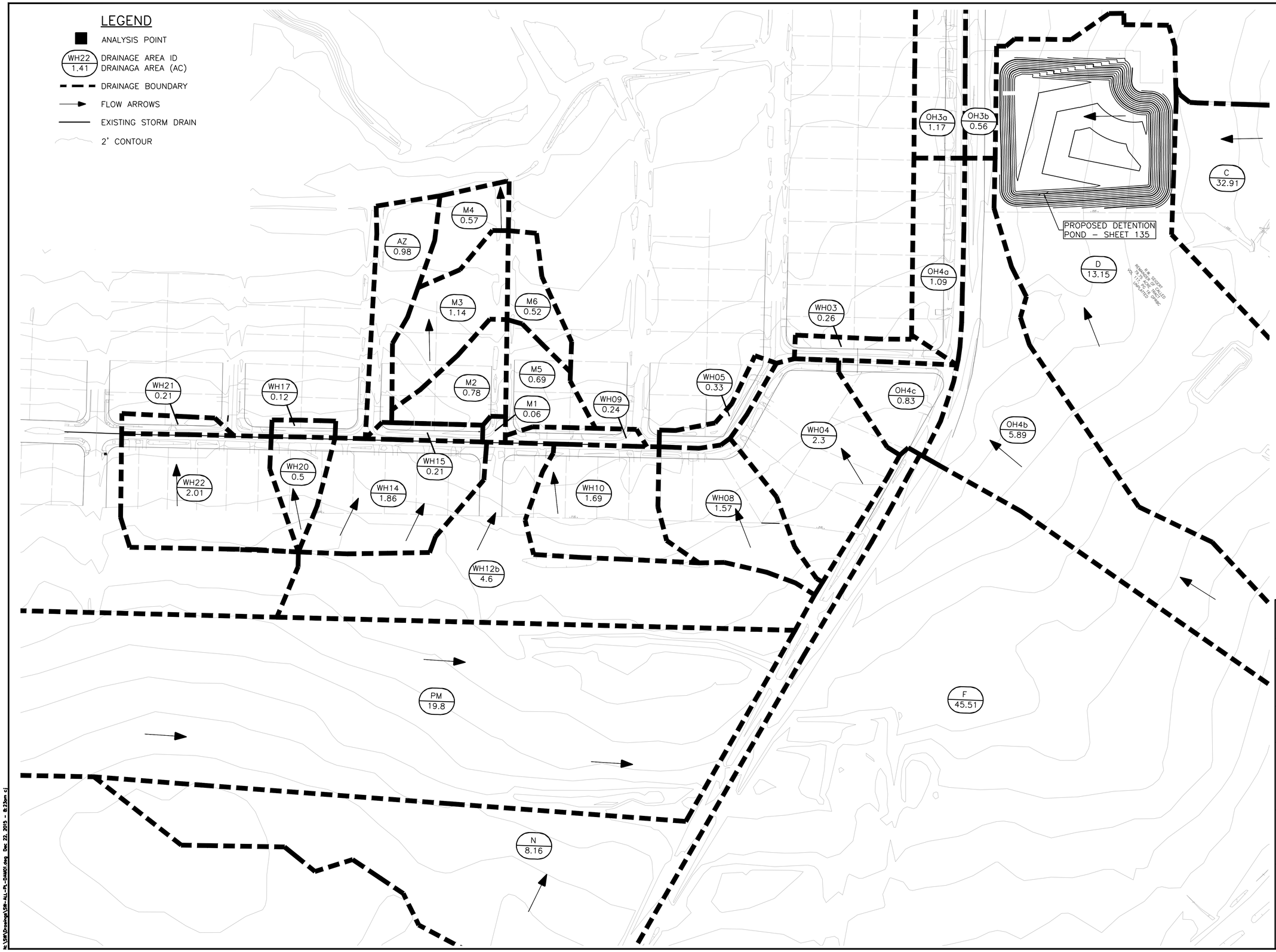
FREESE AND NICHOLS
Texas Registered Engineering Firm F-2144
4055 International Plaza, Suite 200
Fort Worth, Texas 76109-4895
Phone - (817) 735-7300
Fax - (817) 735-7491

SCALE: 1"=400' DGN. BY: SKH
DATE: 8/4/2015 DWN. BY: CJ
JOB NO. BRY13360 DWG. NO.
SUBMITTED: SURV. BY:

STATE OF TEXAS
SCOTT K. HUBLEY
105025
LICENSED
PROFESSIONAL ENGINEER
Dec 22 2015 10:19 AM

SHEET NO.
129

N:\SW\Drawings\SW-ALL-PL-ODAM1.dwg Dec 22, 2015 - 8:23am cj



NOTE:

DRAINAGE AREA "PM" REPRESENTS PROPOSED PORTERS MEADOW DEVELOPMENT, WHICH ALTERS EXISTING TOPOGRAPHY TO DRAIN TOWARD OLD HEARNE.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE–WILKES RD REHAB
CITY JOB No. 332–411–425–611–DE–1211

INLET LEVEL
DRAINAGE AREA MAP

FREESE AND NICHOLS
Texas Registered Engineering Firm F–2144
4055 International Plaza, Suite 200
Fort Worth, Texas 76109–4895
Phone – (817) 735–7300
Fax – (817) 735–7491

SCALE:	1" = 100'	DGN. BY:	SKH
DATE:	8/4/2015	DWN. BY:	CJ
JOB NO.	BRY13360	DWG. NO.	--
SUBMITTED:	--	SURV. BY:	--

STATE OF TEXAS
SCOTT K. HUBLEY
105025
LICENSED
PROFESSIONAL ENGINEER
Dec 22 2015 10:19 AM

SHEET NO.
130

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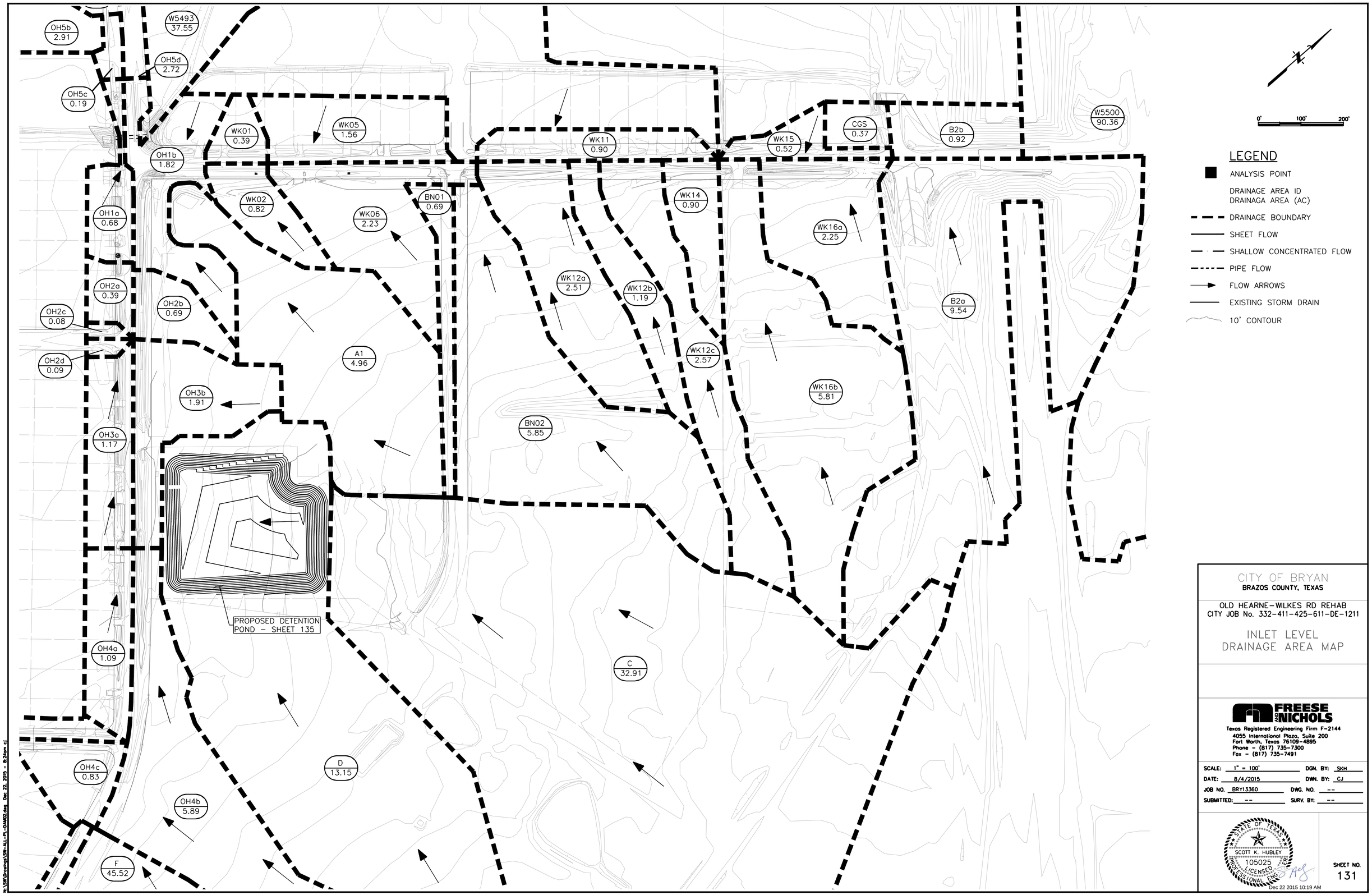


CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE–WILKES RD REHAB
CITY JOB No. 332–411–425–611–DE–1211

INLET LEVEL
DRAINAGE AREA MAP

FREESE AND NICHOLS
Texas Registered Engineering Firm F–2144
4055 International Plaza, Suite 200
Fort Worth, Texas 76109–4895
Phone – (817) 735–7300
Fax – (817) 735–7491

SCALE:	1" = 100'	DGN. BY:	SKH
DATE:	8/4/2015	DWN. BY:	CJ
JOB NO.	BRY13360	DWG. NO.	--
SUBMITTED:	--	SURV. BY:	--

STATE OF TEXAS
SCOTT K. HUBLEY
105025
LICENSED
PROFESSIONAL ENGINEER

Dec 22 2015 10:19 AM

SHEET NO.
131

h:\SPA\Drawings\SPA-ALL-PL-DAM02.dwg Dec 22, 2015 - 8:24am cj

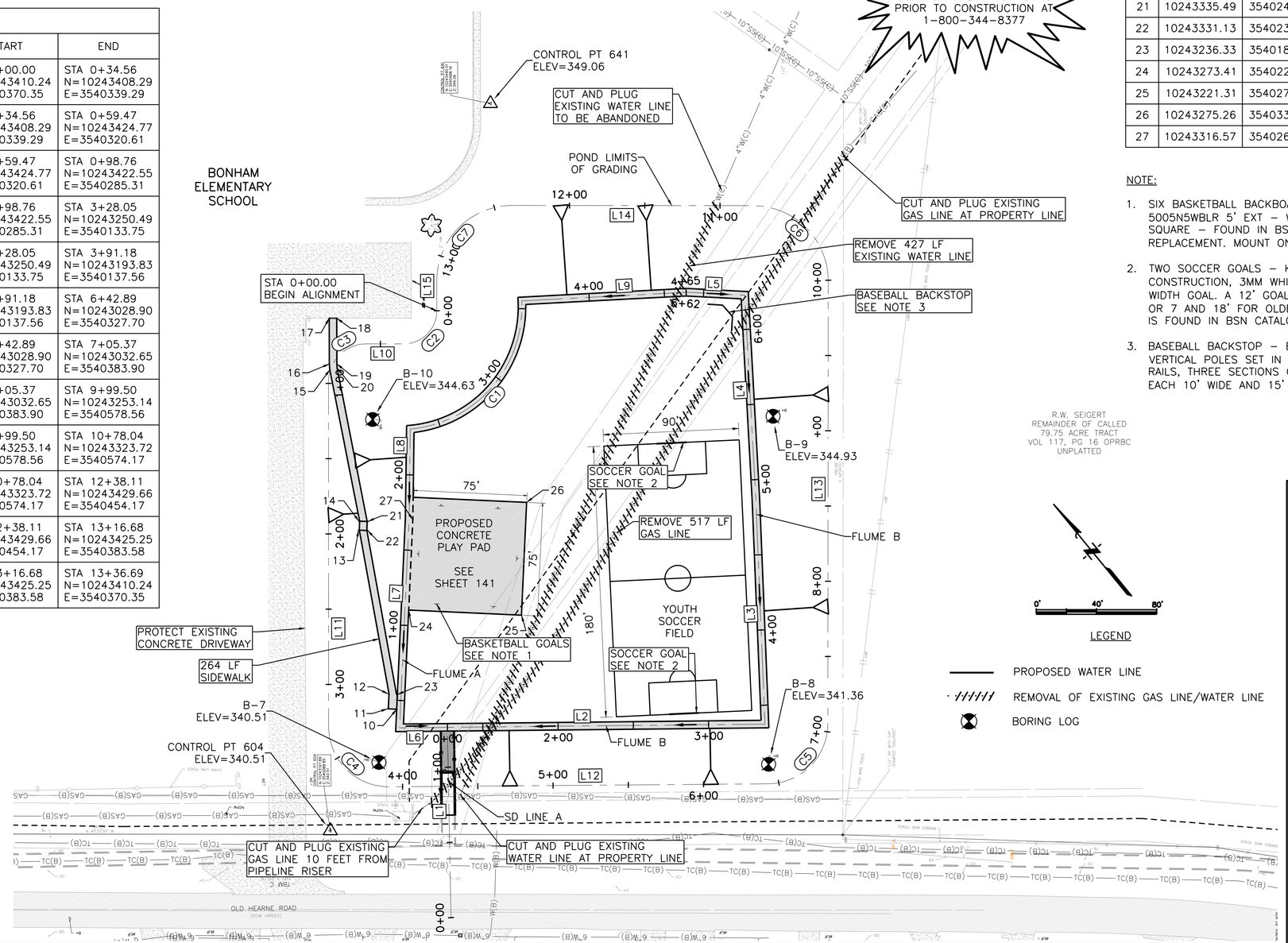
SD LINE A – FLUME B						
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION	Δ	START	END
L1	126.451		N40° 17' 16.23"E		STA 0+00.00 N=10243101.48 E=3540110.88	STA 1+26.45 N=10243197.94 E=3540192.64
L2	211.015		S49° 12' 14.70"E		STA 1+26.45 N=10243197.94 E=3540192.64	STA 3+37.47 N=10243060.07 E=3540352.39
L3	149.218		N39° 03' 46.91"E		STA 3+37.47 N=10243060.07 E=3540352.39	STA 4+86.68 N=10243175.93 E=3540446.42
L4	136.034		N38° 14' 49.31"E		STA 4+86.68 N=10243175.93 E=3540446.42	STA 6+22.72 N=10243282.76 E=3540530.64
L5	38.898		N45° 38' 30.12"W		STA 6+22.72 N=10243282.76 E=3540530.64	STA 6+61.62 N=10243309.96 E=3540502.83

FLUME A						
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION	Δ	START	END
L6	31.784		N49° 12' 14.80"W		STA 0+00.00 N=10243197.94 E=3540192.64	STA 0+31.78 N=10243218.70 E=3540168.58
L7	139.423		N44° 00' 04.03"E		STA 0+31.78 N=10243218.70 E=3540168.58	STA 1+71.21 N=10243318.99 E=3540265.44
L8	59.227		N42° 07' 01.82"E		STA 1+71.21 N=10243318.99 E=3540265.44	STA 2+30.43 N=10243362.93 E=3540305.16
C1	124.734	81.427	N82° 24' 12.45"E	88°	STA 2+30.43 N=10243362.93 E=3540305.16	STA 3+55.17 N=10243377.85 E=3540417.06
L9	109.389		S51° 38' 07.67"E		STA 3+55.17 N=10243377.85 E=3540417.06	STA 4+64.56 N=10243309.96 E=3540502.83

POND LIMITS OF GRADING						
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION	Δ	START	END
C2	34.560	22.000	S86° 24' 35.52"W	90°	STA 0+00.00 N=10243410.24 E=3540370.35	STA 0+34.56 N=10243408.29 E=3540339.29
L10	24.914		N48° 35' 12.70"W		STA 0+34.56 N=10243408.29 E=3540339.29	STA 0+59.47 N=10243424.77 E=3540320.61
C3	39.286	25.000	S86° 23' 40.45"W	90°	STA 0+59.47 N=10243424.77 E=3540320.61	STA 0+98.76 N=10243422.55 E=3540285.31
L11	229.286		S41° 22' 33.60"W		STA 0+98.76 N=10243422.55 E=3540285.31	STA 3+28.05 N=10243250.49 E=3540133.75
C4	63.138	40.000	S3° 50' 34.54"E	90°	STA 3+28.05 N=10243250.49 E=3540133.75	STA 3+91.18 N=10243193.83 E=3540137.56
L12	251.708		S49° 03' 42.67"E		STA 3+91.18 N=10243193.83 E=3540137.56	STA 6+42.89 N=10243028.90 E=3540327.70
C5	62.482	40.000	N86° 11' 20.36"E	89°	STA 6+42.89 N=10243028.90 E=3540327.70	STA 7+05.37 N=10243032.65 E=3540383.90
L13	294.129		N41° 26' 23.39"E		STA 7+05.37 N=10243032.65 E=3540383.90	STA 9+99.50 N=10243253.14 E=3540578.56
C6	78.540	50.000	N3° 33' 36.61"W	90°	STA 9+99.50 N=10243253.14 E=3540578.56	STA 10+78.04 N=10243323.72 E=3540574.17
L14	160.073		N48° 33' 36.61"W		STA 10+78.04 N=10243323.72 E=3540574.17	STA 12+38.11 N=10243429.66 E=3540454.17
C7	78.569	50.000	S86° 25' 23.56"W	90°	STA 12+38.11 N=10243429.66 E=3540454.17	STA 13+16.68 N=10243425.25 E=3540383.58
L15	20.009		S41° 24' 23.73"W		STA 13+16.68 N=10243425.25 E=3540383.58	STA 13+36.69 N=10243410.24 E=3540370.35

CONTROL POINT TABLE			
PNT	NORTHING	EASTING	ELEVATION
604	10243197.89	3540088.89	340.51
641	10243490.01	3540488.16	349.06

TABLE OF SOIL BORINGS				
PNT	DESCRIPTION	ELEVATION	NORTHING	EASTING
1	B–10	344.63	10243384.28	3540290.58
2	B–7	340.51	10243210.53	3540143.07
3	B–8	341.36	10243038.40	3540336.48
4	B–9	344.93	10243209.93	3540491.57



CAUTION!!!

EXISTING OVERHEAD ELECTRICAL LINES IN AREA CONTACT UTILITY 48 HOURS PRIOR TO CONSTRUCTION

CAUTION!!!

EXISTING GAS MAIN IN AREA CONTACT UTILITY 48 HOURS PRIOR TO CONSTRUCTION AT 1–800–344–8377

POINT TABLE				
PNT	NORTHING	EASTING	ELEVATION	DESCRIPTION
10	10243229.27	3540175.31	331.29	EDGE OF RAMP
11	10243233.47	3540170.96	331.31	EDGE OF RAMP
12	10243240.62	3540177.87	331.33	EDGE OF RAMP
13	10243335.26	3540234.98	338.21	EDGE OF RAMP
14	10243339.61	3540239.10	338.21	EDGE OF RAMP
15	10243427.83	3540291.13	0.00	EDGE OF RAMP
16	10243430.97	3540293.40	0.00	EDGE OF RAMP
17	10243453.80	3540313.51	344.87	TIE–IN
18	10243450.49	3540317.26	344.95	TIE–IN
19	10243427.67	3540297.15	0.00	EDGE OF RAMP
20	10243425.47	3540295.57	0.00	EDGE OF RAMP
21	10243335.49	3540243.46	338.21	EDGE OF RAMP
22	10243331.13	3540239.33	338.21	EDGE OF RAMP
23	10243236.33	3540182.13	331.34	EDGE OF RAMP
24	10243273.41	3540224.89	331.62	EDGE OF PLAY PAD
25	10243221.31	3540278.84	0.00	EDGE OF PLAY PAD
26	10243275.26	3540330.94	0.00	EDGE OF PLAY PAD
27	10243316.57	3540266.57	331.92	EDGE OF PLAY PAD

NOTE:

1. SIX BASKETBALL BACKBOARDS, RIMS, AND GOALS – MACGREGOR 5005N5WBLR 5' EXT – WHITE BACKBOARD WITH SHOOTER'S SQUARE – FOUND IN BSN CATALOG – WITH HEAVY DUTY RIM REPLACEMENT. MOUNT ON 4 1/2" OD GALVANIZED STEEL POST.
2. TWO SOCCER GOALS – KWIK GOAL – 3" ROUND ALUMINUM CONSTRUCTION, 3MM WHITE NET, 4 GROUND ANCHORS – 18' WIDTH GOAL. A 12' GOAL IS RECOMMENDED THROUGH AGE 6 OR 7 AND 18' FOR OLDER CHILDREN. 6.5' H BY 18.5' W GOAL IS FOUND IN BSN CATALOG, ITEM 1291094.
3. BASEBALL BACKSTOP – BUILT IN PLACE – 4" NOMINAL VERTICAL POLES SET IN CONCRETE, 2" NOMINAL HORIZONTAL RAILS, THREE SECTIONS OF 9 GAUGE GALVANIZED WOVEN WIRE, EACH 10' WIDE AND 15' TALL FOR A TOTAL SIZE OF 30' X 15'.

LEGEND

- PROPOSED WATER LINE
- REMOVAL OF EXISTING GAS LINE/WATER LINE
- BORING LOG

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE–WILKES RD REHAB
CITY JOB No. 332–411–425–611–DE–1211

SITE PLAN AND HORIZONTAL CONTROL

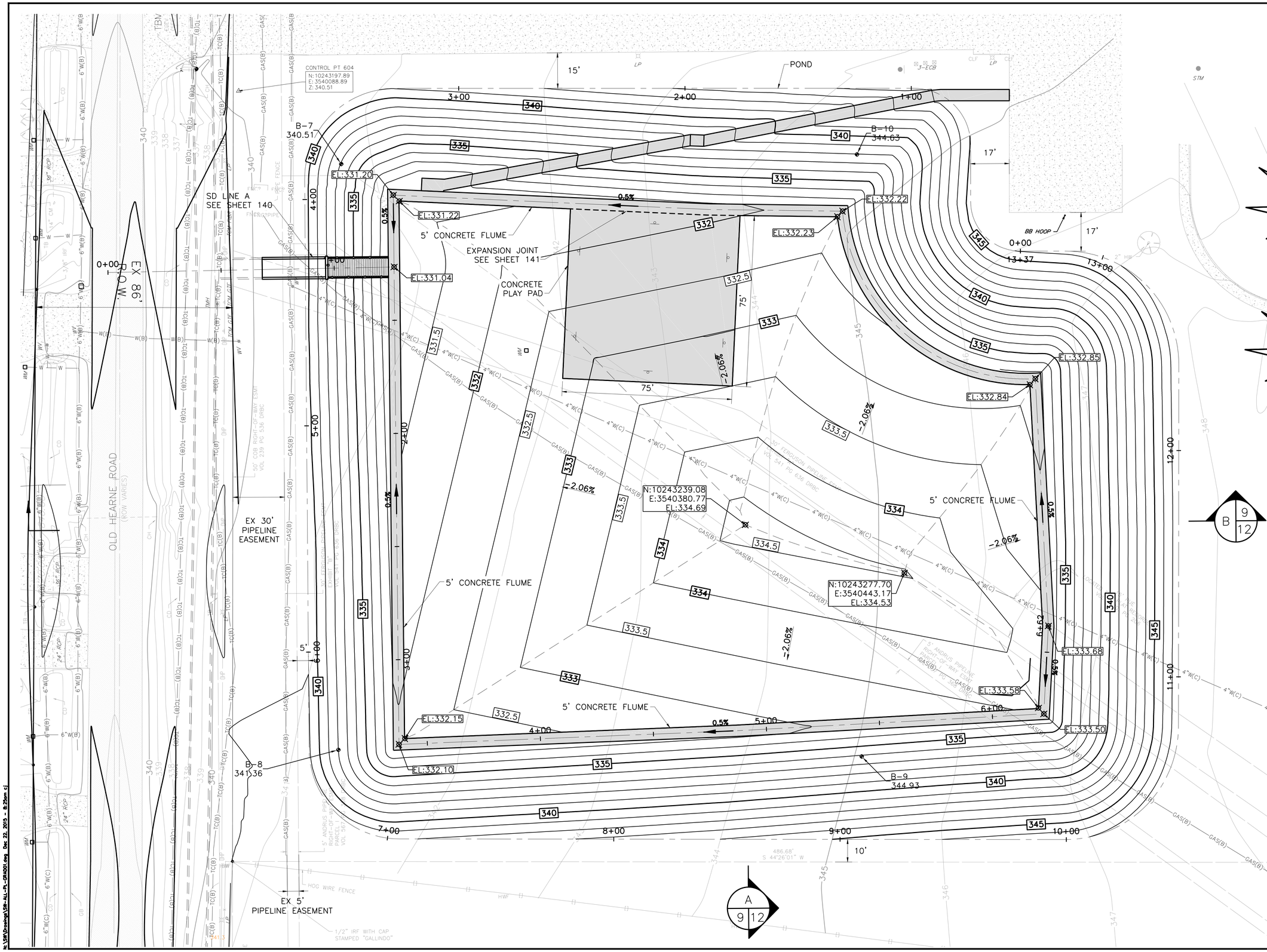
FREESE AND NICHOLS
Texas Registered Engineering Firm F–2144
4055 International Plaza, Suite 200
Fort Worth, Texas 76109–4895
Phone – (817) 735–7300
Fax – (817) 735–7491

SCALE:	1" = 30'	DGN. BY:	SKH
DATE:	8/4/2015	DWN. BY:	CJ
JOB NO.	BRY13360	DWG. NO.	--
SUBMITTED:	--	SURV. BY:	--

STATE OF TEXAS
105025
SCOTT K. HUBLEY
LICENSED
PROFESSIONAL ENGINEER
Dec 22 2015 10:19 AM

SHEET NO.
135

N:\SWD\Designs\SW-ALL-PL-HOR201.dwg Dec 22, 2015 - 8:25am cj



CAUTION!!!
EXISTING OVERHEAD ELECTRICAL LINES IN AREA CONTACT UTILITY 48 HOURS PRIOR TO CONSTRUCTION

CAUTION!!!
EXISTING GAS MAIN IN AREA CONTACT UTILITY 48 HOURS PRIOR TO CONSTRUCTION AT 1-800-344-8377

NOTES:

1. HALF FOOT CONTOURS ARE SHOWN ON POND FLOOR FOR MORE ACCURATE REPRESENTATION PURPOSES ONLY.
2. CONCRETE PLAY PAD SHALL BE CONSTRUCTED ON-GRADE CONSISTENT WITH FINE GRADING.
3. BORING B-8 ENCOUNTERED LOOSE, DARK BROWN CLAYEY SAND 2-3.5 FEET BELOW EXISTING GROUND. IF THIS LOOSE SAND IS ENCOUNTERED IN THE POND EXCAVATION SLOPE, THE CONTRACTOR SHALL REMOVE THE SOIL TO A DEPTH OF AT LEAST 2 FEET FROM PROPOSED GRADE AND REPLACE WITH EXCAVATED CLAY (CLASSIFICATION CH OR CL) IN ORDER TO PROVIDE A COMPETENT SLOPE.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE-WILKES RD REHAB
CITY JOB No. 332-411-425-611-DE-1211

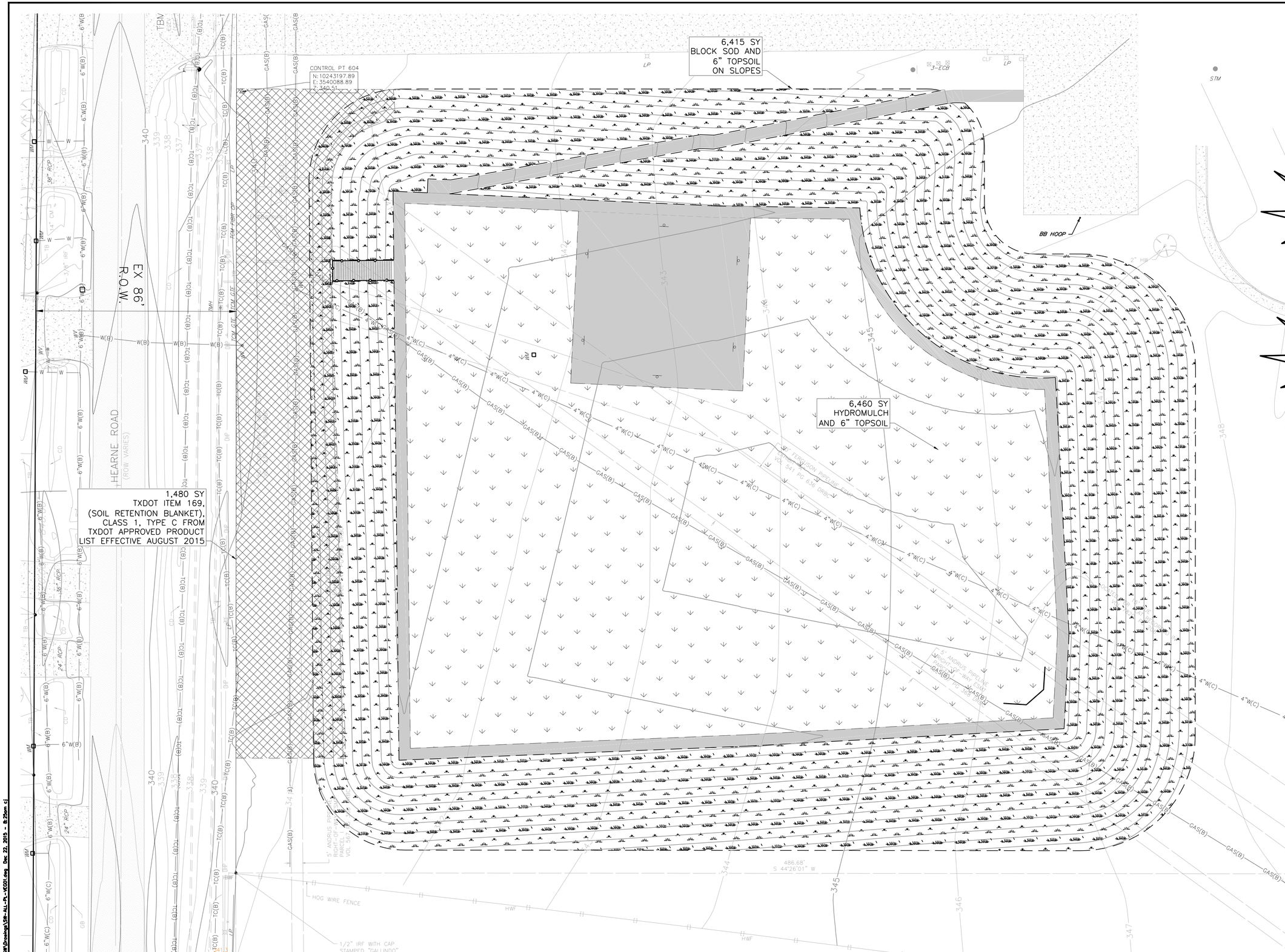
DETENTION POND GRADING PLAN

FREESE AND NICHOLS
Texas Registered Engineering Firm F-2144
4055 International Plaza, Suite 200
Fort Worth, Texas 76109-4895
Phone - (817) 735-7300
Fax - (817) 735-7491

SCALE:	1" = 20'	DGN. BY:	SKH
DATE:	8/4/2015	DWN. BY:	CJ
JOB NO.	BRY13360	DWG. NO.	--
SUBMITTED:	--	SURV. BY:	--

STATE OF TEXAS
SCOTT K. HUBLEY
105025
LICENSED
PROFESSIONAL ENGINEER
Dec 22 2015 10:19 AM

SHEET NO.
136



0' 20' 40'

CAUTION!!!
EXISTING OVERHEAD ELECTRICAL LINES IN AREA CONTACT UTILITY 48 HOURS PRIOR TO CONSTRUCTION

CAUTION!!!
EXISTING GAS MAIN IN AREA CONTACT UTILITY 48 HOURS PRIOR TO CONSTRUCTION AT 1-800-344-8377

LEGEND

- TURF REINFORCEMENT MATTING
- BLOCK SOD
- HYDROMULCH

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE-WILKES RD REHAB
CITY JOB No. 332-411-425-611-DE-1211

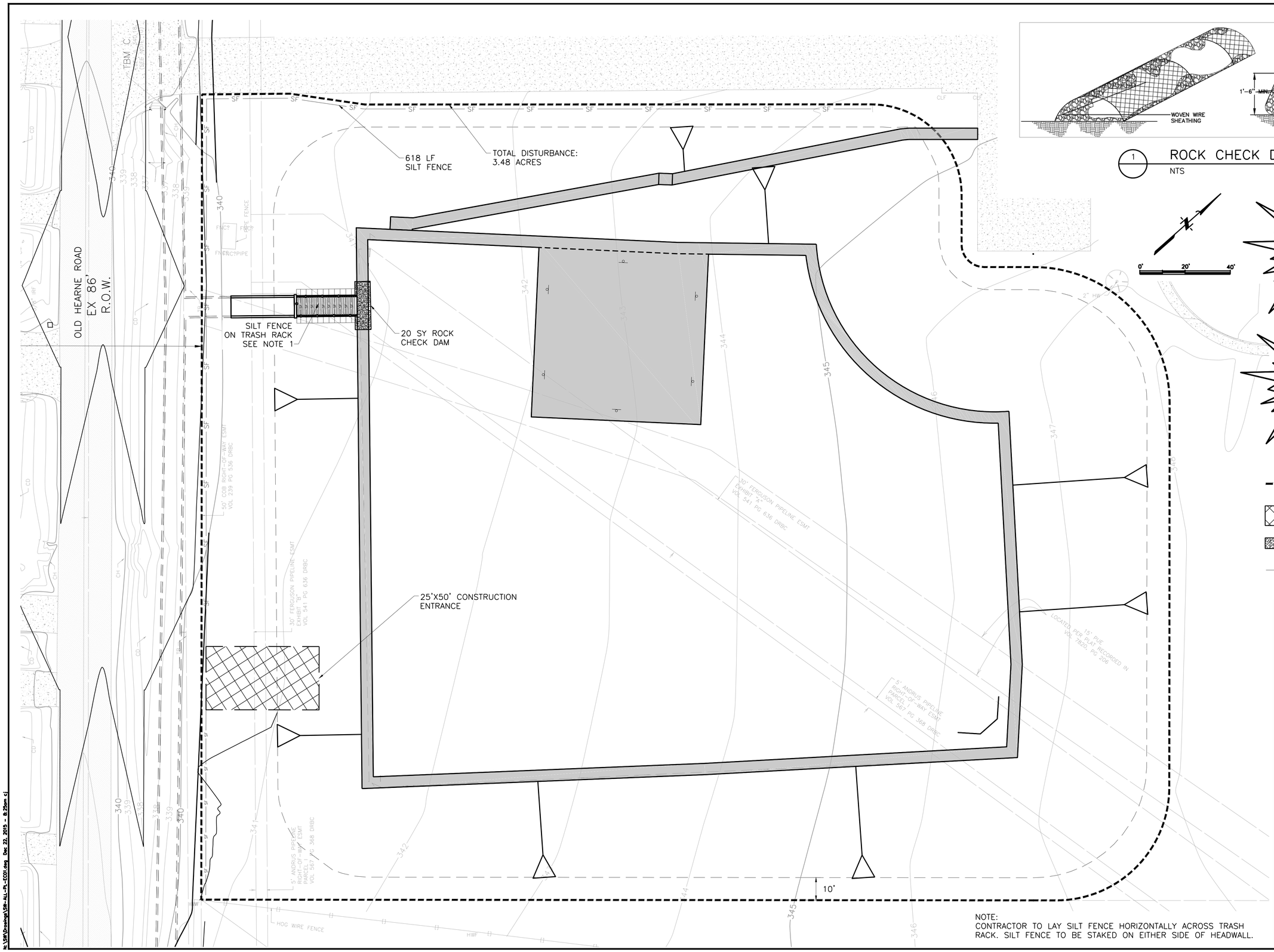
VEGETATION PLAN

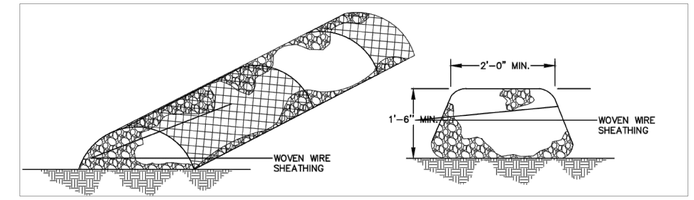
FREESE AND NICHOLS
Texas Registered Engineering Firm F-2144
4055 International Plaza, Suite 200
Fort Worth, Texas 76109-4895
Phone - (817) 735-7300
Fax - (817) 735-7491

SCALE:	1" = 20'	DGN. BY:	SKH
DATE:	8/4/2015	DWN. BY:	CJ
JOB NO.	BRY13360	DWG. NO.	--
SUBMITTED:	--	SURV. BY:	--

STATE OF TEXAS
SCOTT K. HUBLEY
105025
LICENSED
PROFESSIONAL ENGINEER
Dec 22 2015 10:19 AM

SHEET NO.
137





1 ROCK CHECK DAM

NTS

CAUTION!!!

EXISTING OVERHEAD ELECTRICAL LINES IN AREA CONTACT UTILITY 48 HOURS PRIOR TO CONSTRUCTION

CAUTION!!!

EXISTING GAS MAIN IN AREA CONTACT UTILITY 48 HOURS PRIOR TO CONSTRUCTION AT 1-800-344-8377

LEGEND

- DISTURBED AREA/LIMITS OF CONSTRUCTION
- CONSTRUCTION ENTRANCE
- ROCK CHECK DAM
- SF — SILT FENCE

NOTE:
CONTRACTOR TO LAY SILT FENCE HORIZONTALLY ACROSS TRASH RACK. SILT FENCE TO BE STAKED ON EITHER SIDE OF HEADWALL.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE-WILKES RD REHAB
CITY JOB No. 332-411-425-611-DE-1211

EROSION CONTROL PLAN

FREESE AND NICHOLS
Texas Registered Engineering Firm F-2144
4055 International Plaza, Suite 200
Fort Worth, Texas 76109-4895
Phone - (817) 735-7300
Fax - (817) 735-7491

SCALE:	1" = 20'	DGN. BY:	SKH
DATE:	8/4/2015	DWN. BY:	CJ
JOB NO.	BRY13360	DWG. NO.	--
SUBMITTED:	--	SURV. BY:	--

STATE OF TEXAS
SCOTT K. HUBLEY
105025
LICENSED
PROFESSIONAL ENGINEER

Dec 22 2015 10:19 AM

SHEET NO.
138

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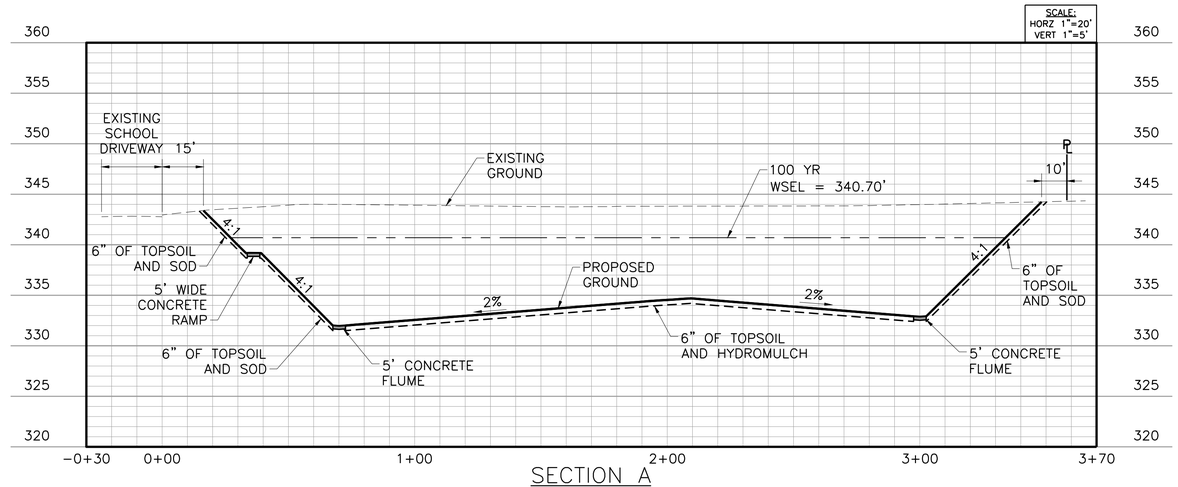
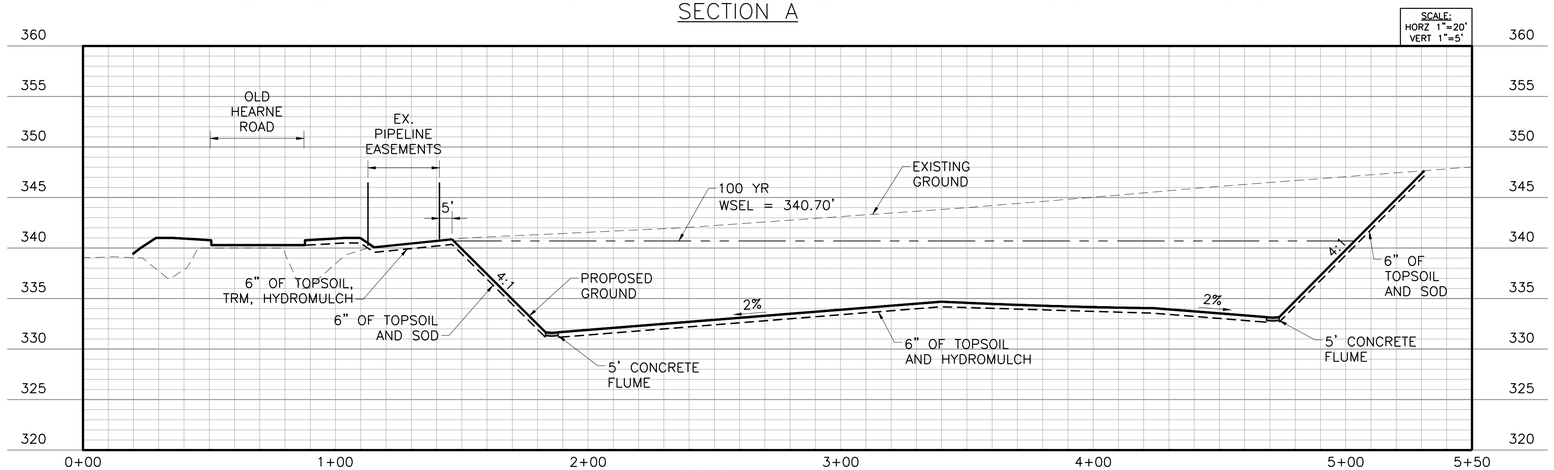


SECTION A



SECTION B

HORIZONTAL
0 20' 40'
SCALE IN FEET

VERTICAL
0 5' 10'
SCALE IN FEET

EARTHWORK QUANTITIES

TOTAL CUT= 36,130 CY
TOTAL FILL= 0 CY
NET= 36,130 CY CUT

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE-WILKES RD REHAB
CITY JOB No. 332-411-425-611-DE-1211

DETENTION BASIN
CROSS SECTIONS

FREESE AND NICHOLS
Texas Registered Engineering Firm F-2144
4055 International Plaza, Suite 200
Fort Worth, Texas 76109-4895
Phone - (817) 735-7300
Fax - (817) 735-7491

SCALE: _____ DGN. BY: SKH
DATE: 8/4/2015 DWN. BY: CJ
JOB NO. BRY13360 DWG. NO. _____
SUBMITTED: _____ SURV. BY: _____

STATE OF TEXAS
SCOTT K. HUBLEY
105025
LICENSED
PROFESSIONAL ENGINEER
Dec 22 2015 10:19 AM

SHEET NO.
139

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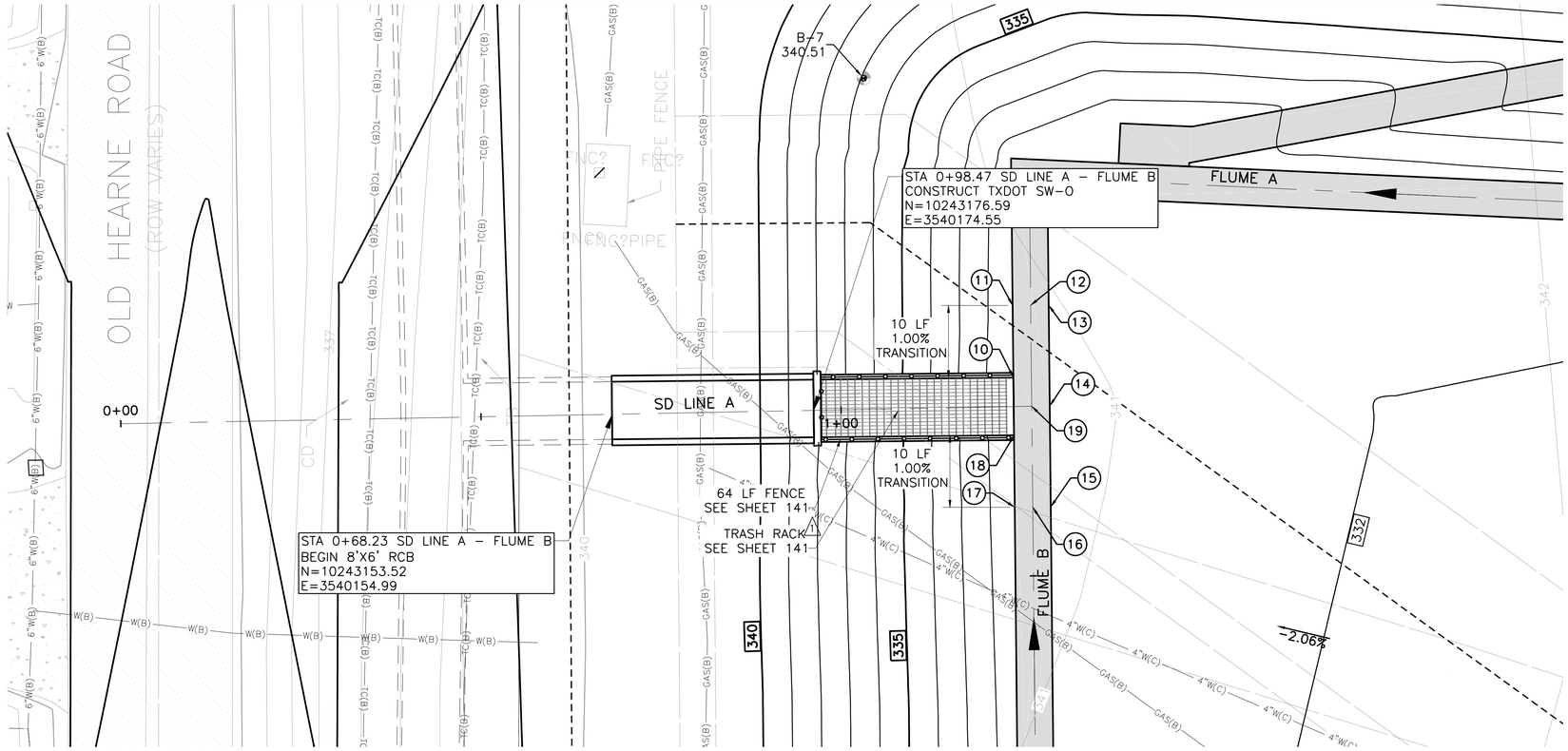
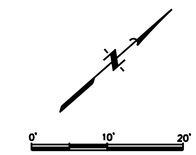


POINT TABLE				
PNT	NORTHING	EASTING	ELEVATION	DESCRIPTION
10	10243198.66	3540187.98	331.04	BEGIN 1.00% TRANSITION
11	10243205.19	3540180.41	331.14	END 1.00% TRANSITION
12	10243207.08	3540182.05	331.09	FLUME FLOWLINE
13	10243208.98	3540183.68	331.14	EDGE OF FLOWLINE
14	10243199.83	3540194.28	331.10	EDGE OF FLOWLINE
15	10243190.68	3540204.88	331.15	EDGE OF FLUME
16	10243188.79	3540203.24	331.10	FLUME FLOWLINE
17	10243186.90	3540201.61	331.15	END 1.00% TRANSITION
18	10243193.43	3540194.04	331.04	BEGIN 1.00% TRANSITION
19	10243197.94	3540192.64	331.04	FLUME FLOWLINE

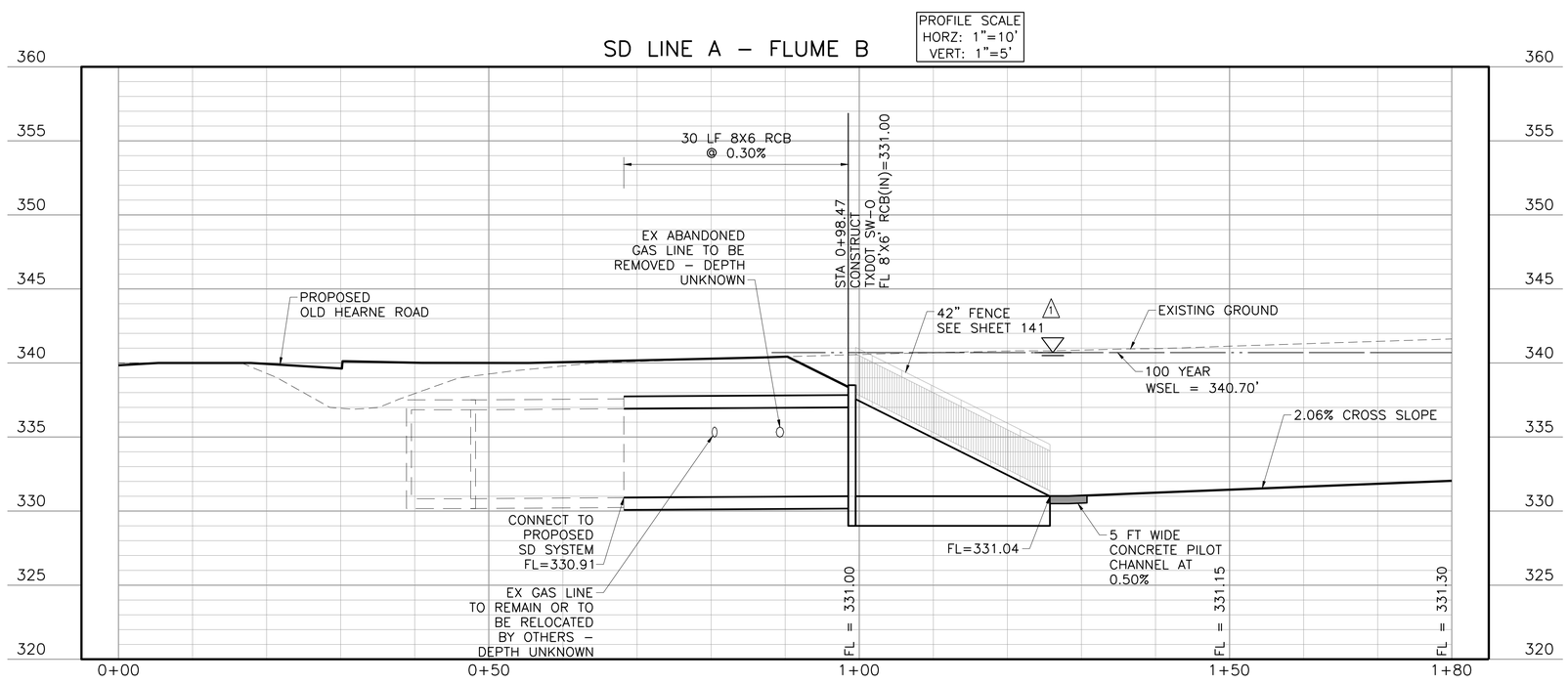


CAUTION!!!
EXISTING OVERHEAD ELECTRICAL LINES IN AREA CONTACT UTILITY 48 HOURS PRIOR TO CONSTRUCTION

CAUTION!!!
EXISTING GAS MAIN IN AREA CONTACT UTILITY 48 HOURS PRIOR TO CONSTRUCTION AT 1-800-344-8377

SD LINE A – FLUME B

PROFILE SCALE
HORZ: 1"=10'
VERT: 1"=5'



1 01/14/16: CITY COMMENTS
0 12/22/15: ORIGINAL DESIGN

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE-WILKES RD REHAB
CITY JOB No. 332-411-425-611-DE-1211

POND
INLET-OUTLET
STRUCTURE

FREESE AND NICHOLS
Texas Registered Engineering Firm F-2144
4055 International Plaza, Suite 200
Fort Worth, Texas 76109-4895
Phone – (817) 735-7300
Fax – (817) 735-7491

SCALE: 1" = 10'
DGN. BY: SKH
DATE: 8/4/2015
DWN. BY: CJ
JOB NO. BRY13360
DWG. NO. --
SUBMITTED: --
SURV. BY: --

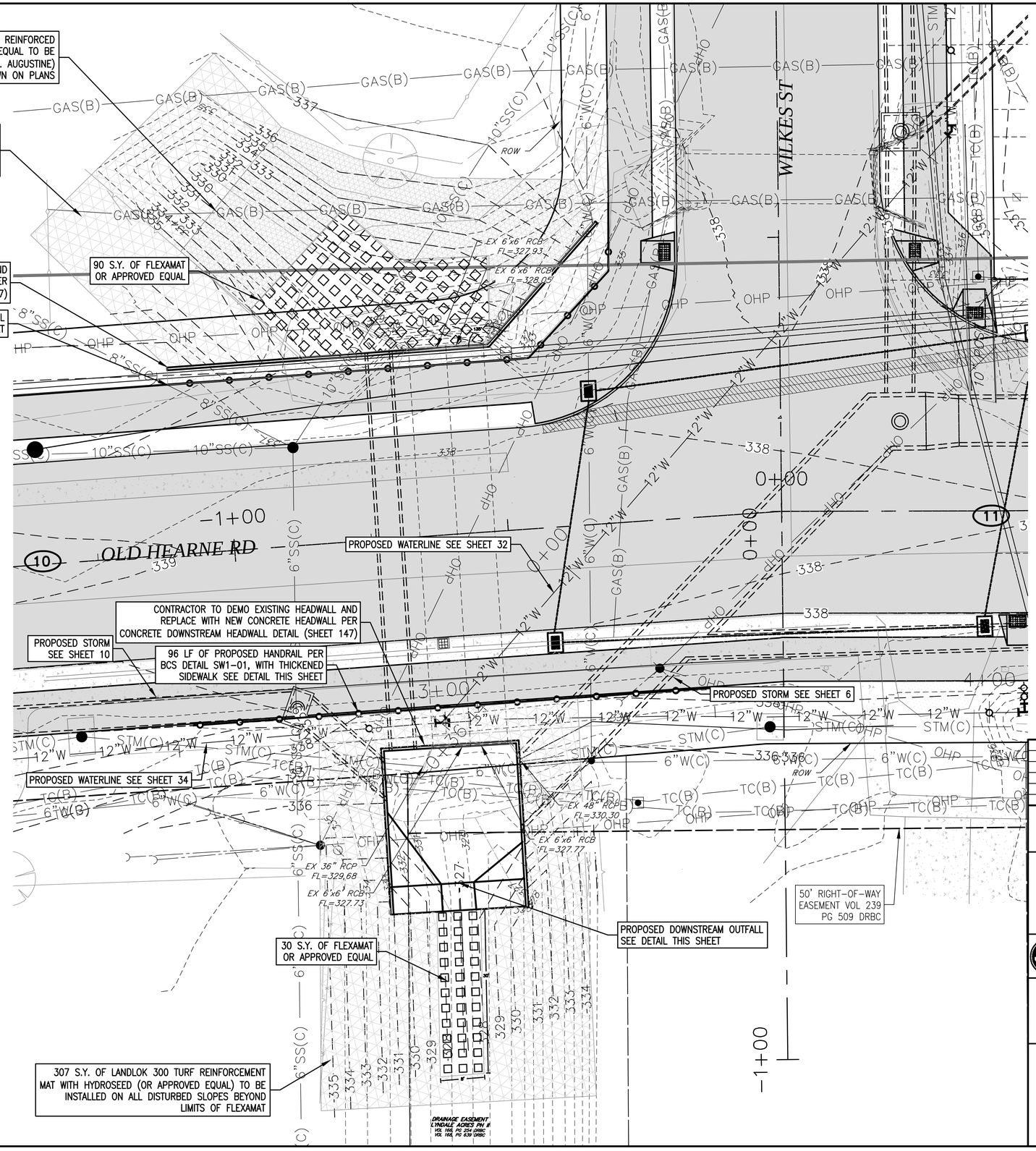
STATE OF TEXAS
SCOTT K. HUBLEY
105025
LICENSED
PROFESSIONAL ENGINEER
Jan 14 2016 4:59 PM

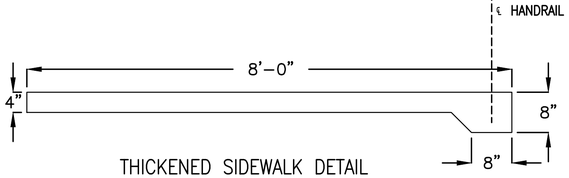
SHEET NO.
140

N:\SW\Drawings\SW-ALL-PP-PONDOI.dwg Jan 14, 2016 - 3:47pm cj

PLAN NOTES:

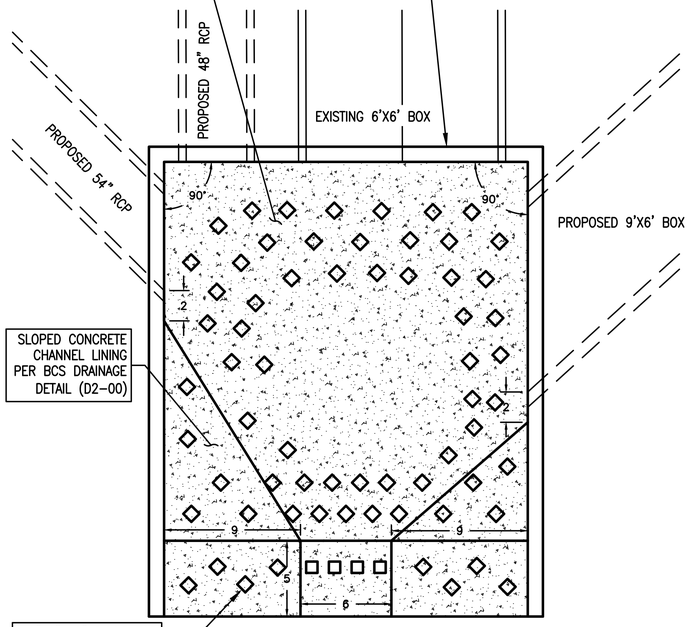
1. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND COORDINATE ADJUSTMENTS WITH ENGINEER.
2. THE CONTRACTOR SHALL FOLLOW THE GENERAL INTENT OF THE GRADING PLAN SHOWN FOR DRAINAGE DISCHARGES. MINOR ADJUSTMENTS TO THE LINE AND GRADES SHOWN MAY BE REQUIRED TO MATCH EXISTING GROUND CONDITIONS AT TIME OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE TO FILED DETERMINE THE ADJUSTMENTS, IF REQUIRED, AND IT IS CONSIDERED SUBSIDIARY THE DRAINAGE IMPROVEMENTS.





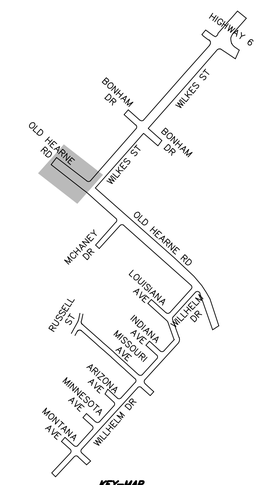
THICKENED SIDEWALK DETAIL

NTS



DOWNSTREAM OUTFALL DETAIL

NTS



KEY-MAP
NTS

DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

OLD HEARNE RD Headwall Plan View

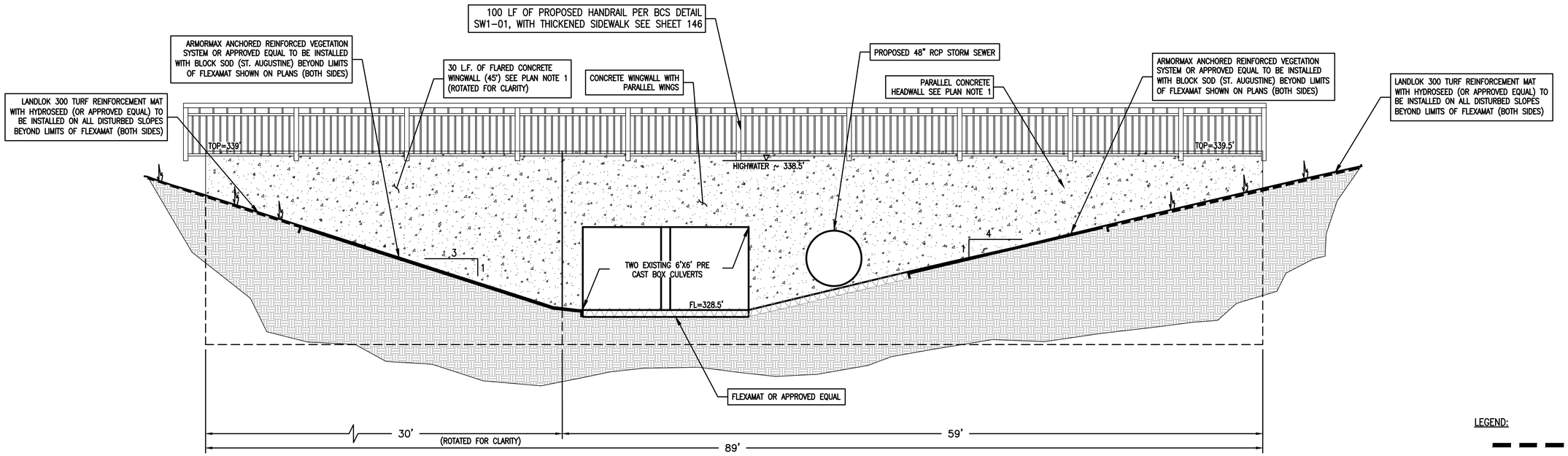
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: TEG
JOB NO. C0011-0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
146

\\JCCS\where\Jc-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET----Old Hearne Rd Headwalls.dwg Jan 05, 2016 - 11:38am JHC

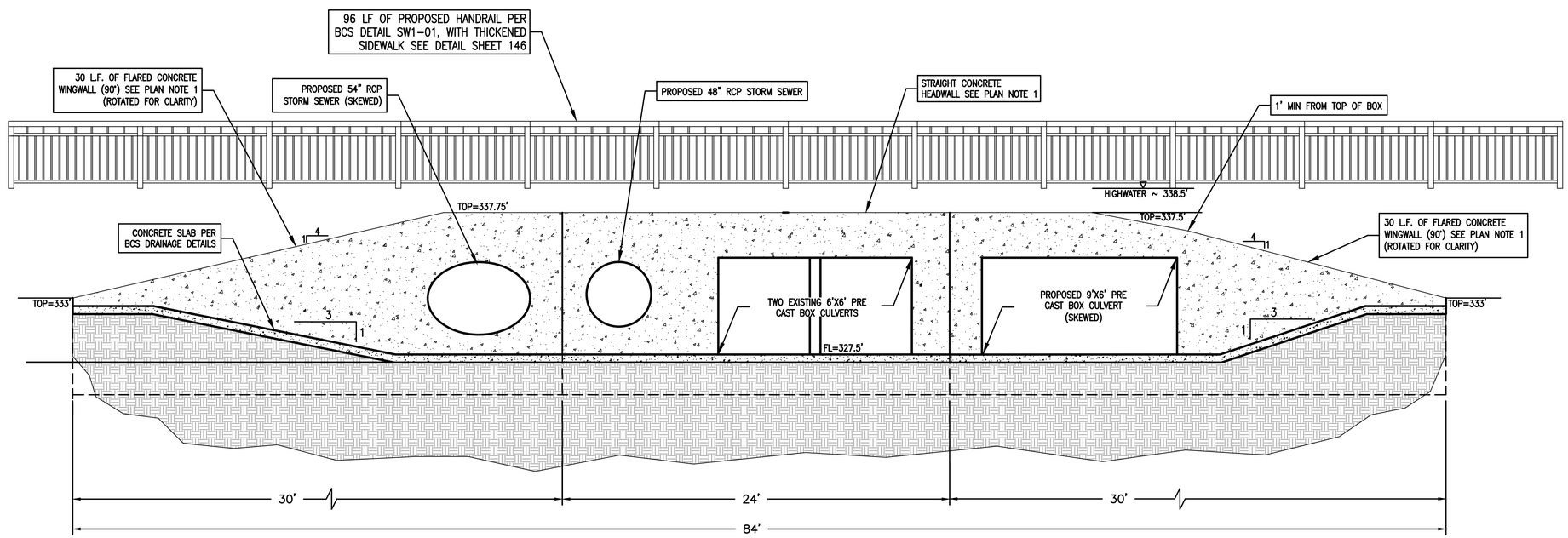


UPSTREAM END ELEVATION

NTS

LEGEND:

- LANDLOK 300 (WITH HYDROSEED)
- ARMORMAX (WITH BLOCK SOD)
- FLEXAMAT



DOWNSTREAM END ELEVATION

NTS

PLAN NOTES:

1. SEE TXDOT DETAILS FOR CAST-IN-PLACE CONCRETE PARALLEL AND STRAIGHT WINGWALLS.
2. THE CONTRACTOR SHALL FOLLOW THE GENERAL INTENT OF THE GRADING PLAN SHOWN FOR DRAINAGE DISCHARGES. MINOR ADJUSTMENTS TO THE LINE AND GRADES SHOWN MAY BE REQUIRED TO MATCH EXISTING GROUND CONDITIONS AT TIME OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE TO FILED DETERMINE THE ADJUSTMENTS, IF REQUIRED, AND IT IS CONSIDERED SUBSIDIARY THE DRAINAGE IMPROVEMENTS.

	DATE	REVISIONS	APP.
1	01/14/16	CITY COMMENTS	AJB
0	12/29/15	ORIGINAL DESIGN	AJB

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

OLD HEARNE RD Headwall Profile View

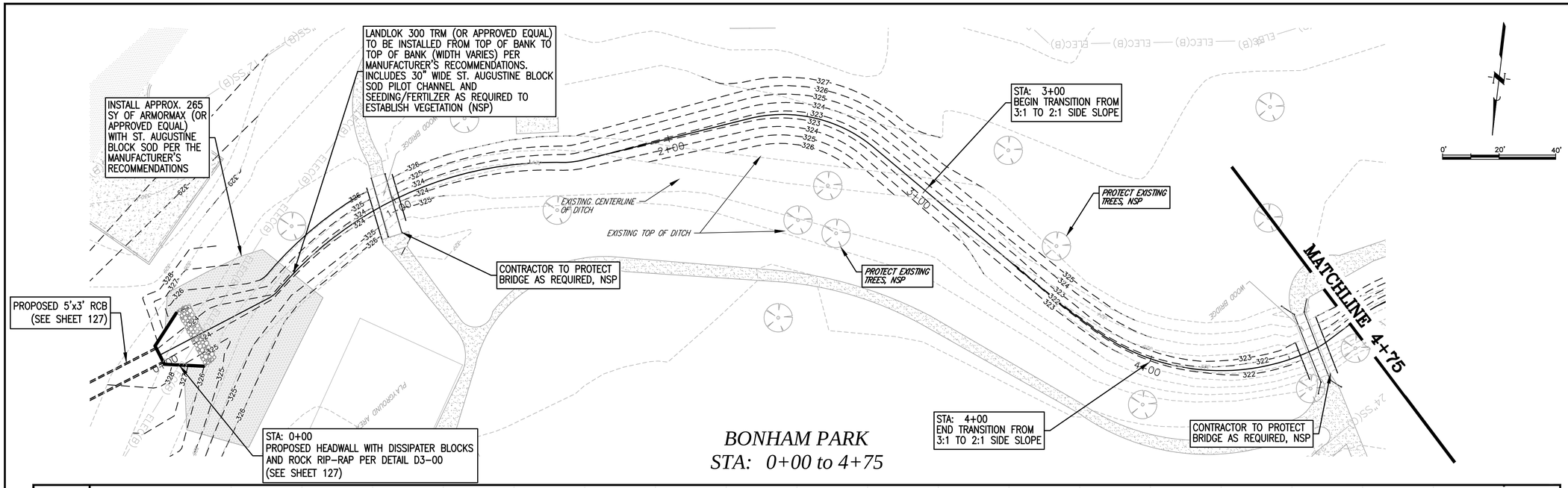
JONES|CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: TEG
JOB NO. C0011-0017 DWG. NO. --
SUBMITTED: -- SURV. BY: --

STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
01/14/2016

SHEET NO.
147

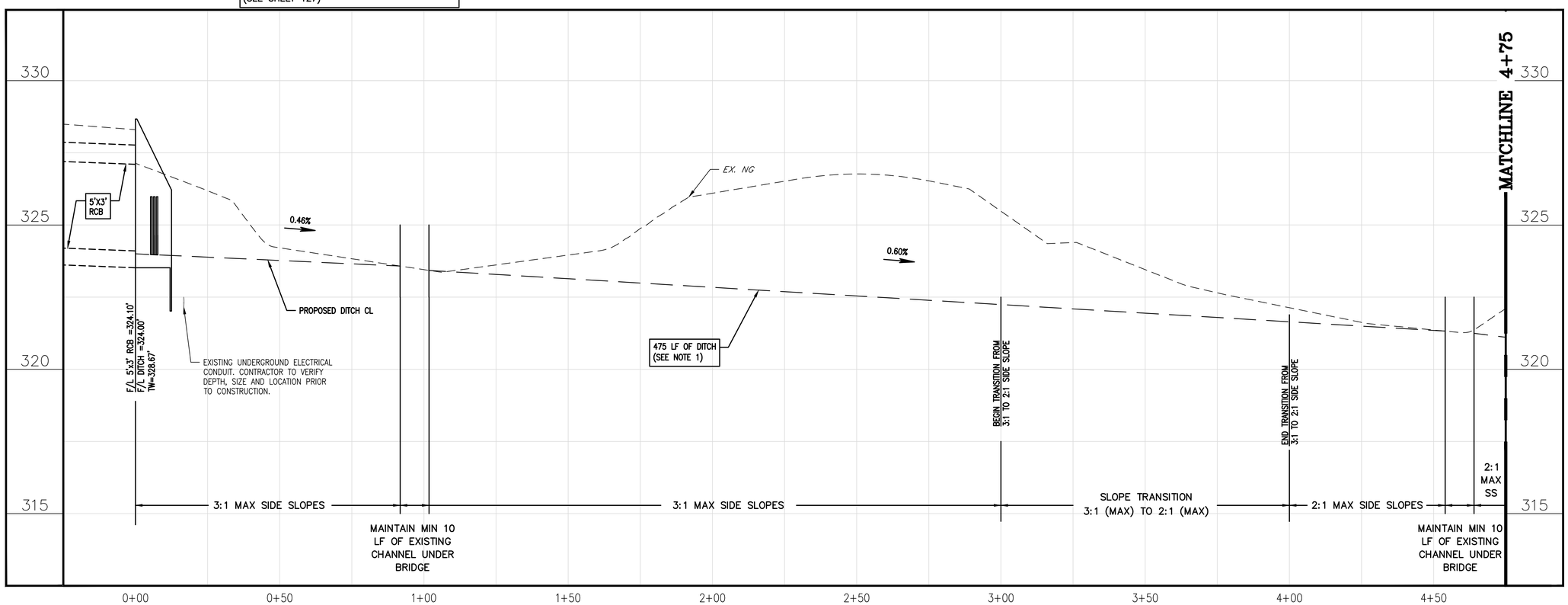
S:\0-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Old Hearne Rd Headwalls.dwg Jan 15, 2016 - 10:20am CCC2

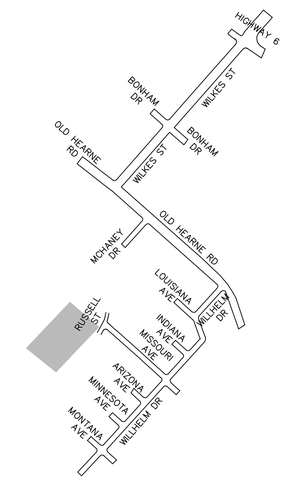


BONHAM PARK
STA: 0+00 to 4+75

NOTES:

1. THE DITCH ALIGNMENT IS SUBJECT TO CHANGE BY THE CONTRACTOR, WITH APPROVAL FROM THE ENGINEER, TO AVOID LARGE TREES OR OTHER SIGNIFICANT FEATURES.
2. CONTRACTOR TO PROTECT EXISTING BRIDGES, INCLUDING EMBANKMENT AND FOOTINGS. NSP
3. REFER TO PROPEX PROJECT RECOMMENDATION LETTER IN PROJECT SPECIFICATION APPENDIX FOR ADDITIONAL INSTALLATION DETAILS.
4. CONTRACTOR TO COORDINATE WITH TURF REINFORCEMENT MAT MANUFACTURER, OWNER AND ENGINEER PRIOR TO CONSTRUCTION.
5. TRM TO BE INSTALLED ON ALL DISTURBED DITCH SURFACES FROM TOP OF BANK TO TOP OF BANK PER MANUFACTURER'S SPECIFICATIONS AS SHOWN ON PLANS.





KEY-MAP
NTS

DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

BONHAM PARK
DITCH PLAN & PROFILE
0+00 TO 4+75

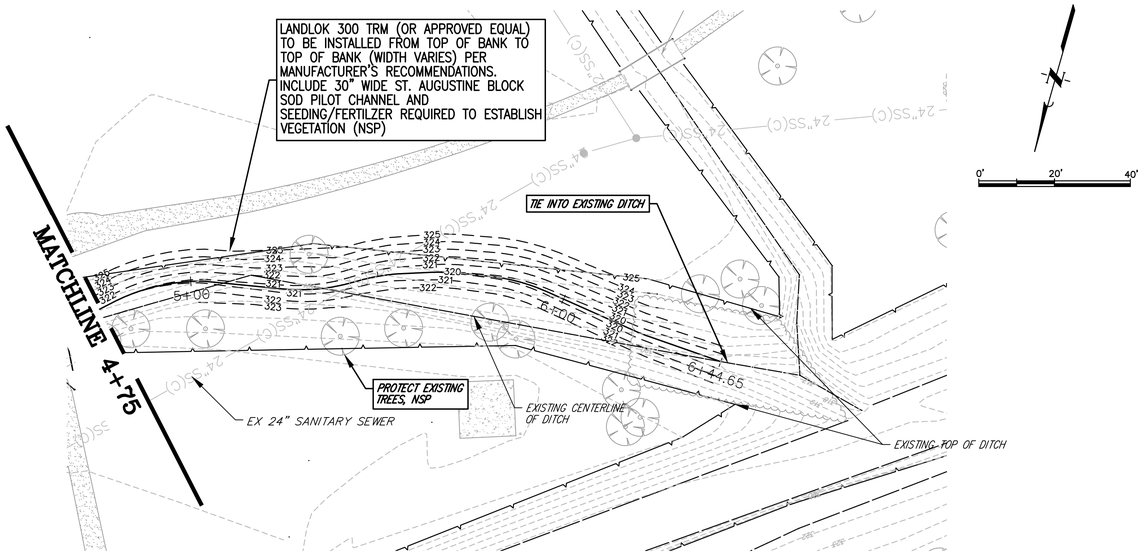
JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED DGN. BY: JHC
DATE: AS NOTED DWN. BY: CRM
JOB NO. C0011–0017 DWG. NO. ––
SUBMITTED: –– SURV. BY: ––

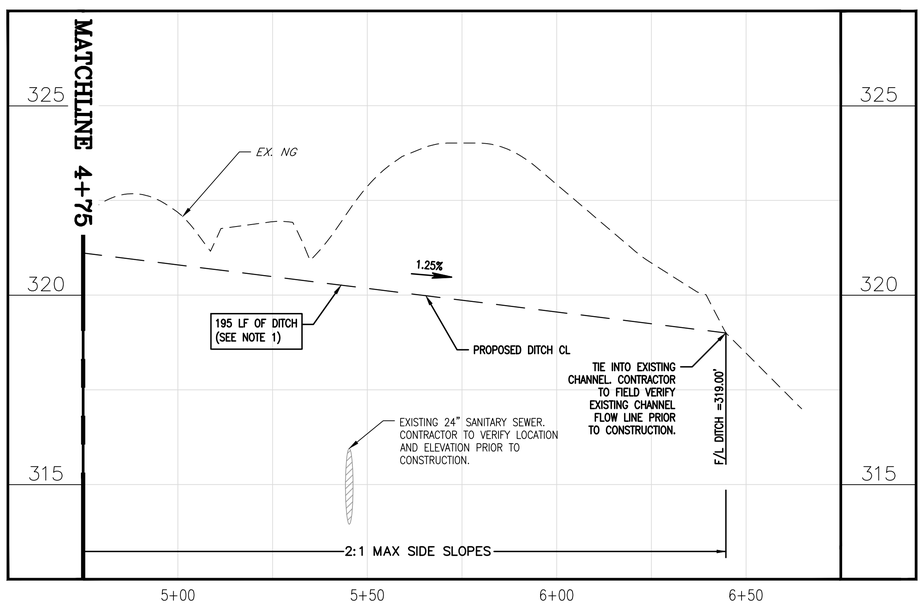
STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
12/29/2015

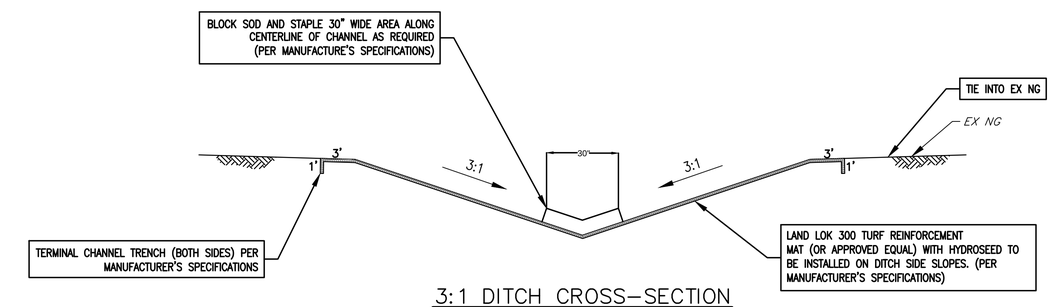
SHEET NO.
150

\\JCCS\share1\0-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Bonham Park Ditch.dwg Jan 05, 2016 - 11:16am JHC

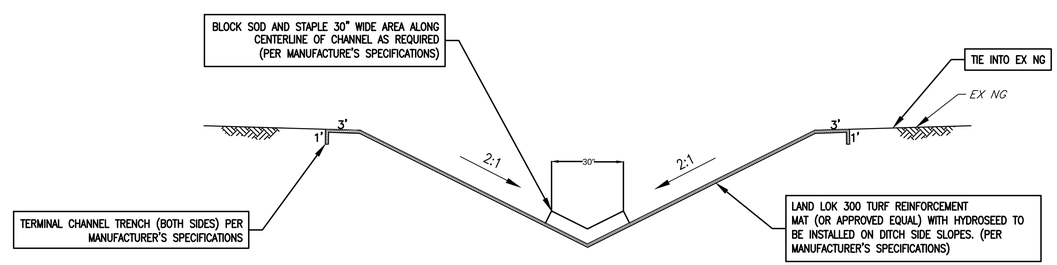


BONHAM PARK
STA: 4+75 to 6+50





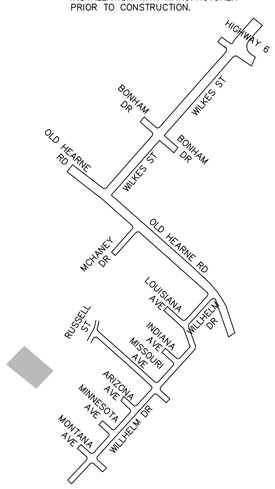
3:1 DITCH CROSS-SECTION
SCALE: N.T.S.



2:1 DITCH CROSS-SECTION
SCALE: N.T.S.

NOTES:

1. THE DITCH ALIGNMENT IS SUBJECT TO CHANGE BY THE CONTRACTOR, WITH APPROVAL FROM THE ENGINEER, TO AVOID LARGE TREES OR OTHER SIGNIFICANT FEATURES.
2. CONTRACTOR TO PROTECT EXISTING BRIDGES, INCLUDING EMBANKMENT AND FOOTINGS. NSP
3. REFER TO PROPEX PROJECT RECOMMENDATION LETTER IN PROJECT SPECIFICATION APPENDIX FOR ADDITIONAL INSTALLATION DETAILS.
4. CONTRACTOR TO COORDINATE WITH TURF REINFORCEMENT MAT MANUFACTURER, OWNER AND ENGINEER PRIOR TO CONSTRUCTION.
5. TRM TO BE INSTALLED ON ALL DISTURBED DITCH SURFACES FROM TOP OF BANK TO TOP OF BANK PER MANUFACTURER'S SPECIFICATIONS AS SHOWN ON PLANS.
6. THE CROSS SECTIONS PROVIDED ON THIS SHEET ARE FOR REFERENCE ONLY. CONTRACTOR TO COORDINATE CHANNEL AND SLOPE MAT REINFORCEMENT INSTALLATION WITH MANUFACTURER PRIOR TO CONSTRUCTION.



KEY-MAP
NTS

DATE	REVISIONS	APP.

CITY OF BRYAN
BRAZOS COUNTY, TEXAS

OLD HEARNE ROAD–WILKES STREET REHABILITATION

BONHAM PARK
DITCH PLAN & PROFILE II
4+75 TO 6+50

JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
1716 Briarcrest Drive, Suite 160 • Bryan, Texas 77802 • 979.731.8000

SCALE: AS NOTED — DGN. BY: JHC
DATE: AS NOTED — DWN. BY: CRM
JOB NO. C0011–0017 — DWG. NO. --
SUBMITTED: -- — SURV. BY: --

STATE OF TEXAS
ADAM J. BRUMBAUGH
108506
LICENSED
PROFESSIONAL ENGINEER
12/29/2015

SHEET NO.
151

\\JCCS\where\0-Job\C0011_Bryan-City\C0011-0017 Old Hearne-Wilkes Road Rehab\DWGS\SHEET---Bonham Park Ditch.dwg Jan 05, 2016 - 1:16pm JHC