CITY OF BRYAN JOB #611-DE-1021 - PARKER AVENUE - PHASE II RECONSTRUCTION

CONSTRUCTION PLANS FOR

CITY OF BRYAN

The Good Life, Texas Style.

P.O. BOX 1000 BRYAN, TEXAS 77805

PARKER AVENUE PHASE II RECONSTRUCTION

CITY OF BRYAN JOB #611-DE-1021

JULY, 2011

MAYOR & CITY COUNCIL

Jason P. Bienski.....Mayor
Ann Horton.....Mayor Pro Tem
Al Saenz.....City Council
Paul Madison.....City Council
Richard Cortez.....City Council
Art Hughes.....City Council
Mike Southerland.....City Council
Chuck Konderla.....City Council

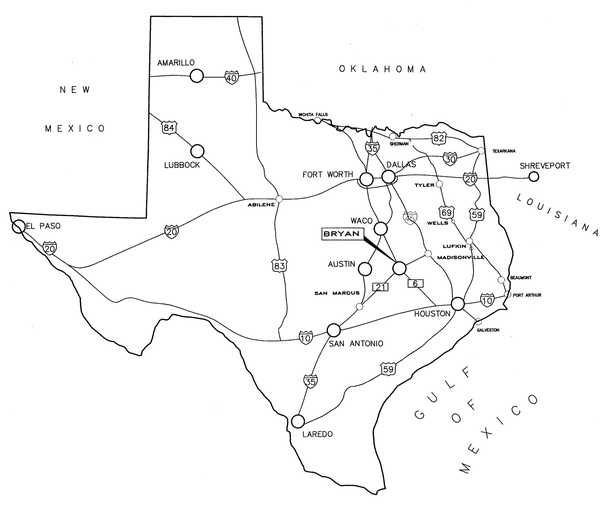
CITY ADMINISTRATION & STAFF

Kean Register.....Interim City Manager
Jayson Barfknecht, Ph. D., P.E.....Director of Public Works
W. Paul Kaspar, P.E.....City Engineer
Mark Robertson, E.I.T.....Project Manager

DRAWING INDEX

NO	TITLE
-	Cover
C1.0	Project Notes And Information
C1.1	Existing Conditions And Demolition Plan
C1.2	Existing Conditions And Demolition Plan
C1.3	Existing Conditions And Demolition Plan
C2.1	Project Layout-Parker Ave. Sta. 0+00-Sta. 5+43.32
C2.2	Project Layout-Parker Ave. Sta. 5+43.32-Sta. 11+73.13
C2.3	Project Layout-Parker Ave. Sta. 11+73.13-Sta. 16+18.28
C2.4	Project Layout-21st Street Sta. 0+00-Sta. 3+17.76
C3.1	Water Plan And Profile
C3.2	Water Plan And Profile
C3.3	Water Plan And Profile
C3.4	Water Plan And Profile - 21st Street
C3.5	Water Plan And Profile - Pruitt Street
C4.1	Sanitary Sewer Plan And Profile
C4.2	Sanitary Sewer Plan And Profile
C4.3	Sanitary Sewer Plan And Profile
C4.4	Sanitary Sewer Plan And Profile
C4.5	Sanitary Sewer Plan And Profile
C4.6	Sanitary Sewer Plan And Profile
C5.1	Plan/Profile Sta: 0+00 - 5+43.32
C5.2	Plan/Profile Sta: 5+43.32 - 11+73.13
C5.3	Plan/Profile Sta: 11+73.13 - 16+18.28
C5.4	Plan/Profile - 21st Street
C5.5	Plan/Profile - Crossings
C5.6	Plan/Profile - Crossings
C6.1	Project Details
C6.2	Traffic Control Plan
D	Drainage
S	Sewer
ST	Street
SWPP	Storm Water Pollution Prevention
W	Water

PROJECT LOCATION MAP



Submitted: _____
Goodwin-Lasiter, Inc.

Date: 6-30-2011

STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER

PREPARED BY:

G-L

GOODWIN-LASITER, INC.

ENGINEERS ▪ ARCHITECTS
SURVEYORS

3600 STATE HWY 6 S., SUITE 102 ▪ COLLEGE STATION, TEXAS 77845 ▪ (979) 696-6767 ▪ ctex@goodwinlasiter.com
1609 S. CHESTNUT ST., SUITE 202 ▪ LUFKIN, TEXAS 75901 ▪ (936) 637-4900 ▪ admin@goodwinlasiter.com

D:\600\600059\600059 - COVER.DWG 2010/12/01 @ 10:41

CITY OF BRYAN JOB #611-DE-1021 - PARKER AVENUE - PHASE II RECONSTRUCTION

1. CONSTRUCTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE CITY OF BRYAN AND THESE SPECIFICATIONS/PLANS.

2. CONTRACTOR SHALL VISIT THE CONSTRUCTION LOCATION AND FAMILIARIZE THEMSELVES WITH THE WORKING CONDITIONS (TRAFFIC, CLEARING, PROPOSED/EXISTING UTILITIES, PAVING, DRAINAGE) OF THE SITE BEFORE BIDDING.

3. CONTRACTOR IS TO DETERMINE ALL QUANTITIES OF WORK PRIOR TO BIDDING TO PROVIDE A COMPLETE AND APPROVED PROJECT TO THE CITY.

4. THE CONTRACTOR IS REQUIRED TO ATTEND A PRE-CONSTRUCTION MEETING WITH CITY ENGINEER, CITY INSPECTOR AND CONSULTING ENGINEER PRIOR TO STARTING WORK. NO WORK IS TO BE PERFORMED UNTIL THIS MEETING IS COMPLETED AND A WRITTEN NOTICE TO PROCEED IS ISSUED BY THE CITY ENGINEER TO THE CONTRACTOR. MONTHLY CONSTRUCTION MEETINGS ON SITE DURING CONSTRUCTION ARE ALSO TO BE SCHEDULED WITH THE CITY ENGINEER AND INSPECTOR.

5. IN THE ABSENCE OF SPECIFIC REQUIREMENTS FOR ANY WORK, CONTRACTOR SHALL COORDINATE WITH CITY ENGINEER AND INSPECTOR. PROCEEDING WITHOUT PROPER DIRECTION FROM THESE PARTIES WILL BE AT THE CONTRACTORS SOLE RISK. CONTRACTORS ARE NOT TO PROCEED WITH ANY WORK WITHOUT PROPER AUTHORIZATION OF THE CITY ENGINEER'S OFFICE.

6. CONTRACTOR TO MAINTAIN SITE IN "FIRST CLASS" NEAT CONDITION. WORK SITE SHALL BE CLEANED UP AT END OF EACH DAY.

7. CONTRACTOR SHALL COORDINATE SEQUENCE OF CONSTRUCTION WITH CITY ENGINEER AND INSPECTOR & ADJUST TRAFFIC CONTROL SIGNS AS NECESSARY.

8. CONTRACTOR SHALL VERIFY LOCATION & DEPTH OF ALL EXISTING UTILITIES AND SERVICE LINES PRIOR TO EXCAVATING FOR UTILITY PLACEMENT. LOCATING METHODS INCLUDE, BUT ARE NOT LIMITED TO: LOCATING SERVICES, "POT HOLING" WITH WATER, SPOT DIGGING, ETC.

9. CONTRACTOR TO PROTECT UTILITIES FROM DAMAGE DURING CONSTRUCTION. CONTRACTOR SHALL REPAIR DAMAGES RESULTING FROM THEIR ACTIVITIES. COSTS FOR REPAIRS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

10. CONTRACTOR SHALL NOTIFY THE CITY ENGINEER'S OFFICE IMMEDIATELY WHERE UNKNOWN UTILITIES ARE ENCOUNTERED IN CONSTRUCTION.

11. CONTRACTOR TO COORDINATE WORK WITH THE FOLLOWING UTILITY COMPANIES, AGENCIES, AND THE CITY:
WATER & SEWER . . . . . CITY OF BRYAN . . . . . (979)209-5900
GAS . . . . . DEVON GAS . . . . . (979)779-4460
ATMOS GAS . . . . . (979)774-2540/(979)255-4511
TELEPHONE . . . . . VERIZON . . . . . (800)344-8377
ELECTRIC. . . . . BTU . . . . . (979)821-5700
CABLE . . . . . SUDDENLINK . . . . . (979)693-8885
COMMUNICATIONS CABLE . . . . . AT&T . . . . . (800)245-4545

12. CONTRACTOR TO CONTACT UTILITY, PIPELINE COMPANIES FORTY-EIGHT (48) HOURS IN ADVANCE OF WORK IN THE VICINITY OF THEIR LINES. TEXAS ONE CALL SYSTEM IS ENCOURAGED.

13. CONTRACTOR TO MAINTAIN CLEARANCE OF ALL EXISTING UTILITIES AS REQUIRED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) AND THESE PLANS.

14. REMOVE AND DISPOSE OF ALL MATERIALS AND STRUCTURES THAT ARE TO BE DEMOLISHED AND NOT NOTED FOR SALVAGE TO CONTRACTOR DESIGNATED DISPOSAL AREA. EXISTING PAVEMENT, CURBS, VEGETATION, CULVERTS, GRAVEL ROADWAY AND DRAINAGE RELATED STRUCTURES WITHIN RIGHT-OF-WAY ARE TO BE REMOVED COMPLETELY. THIS WORK SHALL BE DONE IN ACCORDANCE W/TxDOT STANDARD SPECIFICATION 100 "PREPARING R.O.W."

15. CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING THE TRAFFIC PLAN. PROVIDE PROPER SIGNING FOR CONSTRUCTION, SAFETY, AND ROUTING OF TRAFFIC. POSITIONING AND CONTENT OF SIGNS, BARRICADES AND FLAGGING SHALL BE IN ACCORDANCE WITH THE CURRENT TEXAS MUTCD.

16. CONTRACTOR TO PROVIDE BARRICADES, SIGNS, AND LIGHTING AROUND ALL OPEN CUTS ALONG STREETS IN ACCORDANCE WITH THE TEXAS MUTCD.

17. A FIELD SET OF AS-BUILT DRAWINGS SHOULD BE MAINTAINED BY THE CONTRACTOR FOR TRANSFER TO PERMANENT RECORD DRAWINGS. THESE DRAWINGS SHOULD INCLUDE MEASUREMENTS FROM EACH UNIT INSTALLED TO TWO PERMANENT OBJECTS. UTILITY SERVICE LOCATIONS SHOULD ALSO BE DOCUMENTED. AS-BUILTS ARE TO BE SUBMITTED TO DESIGN ENGINEER WITH FINAL PAY APPLICATION TO THE CITY ENGINEER. PROJECT WILL NOT BE CLOSED OUT UNTIL CONTRACTOR HAS PROVIDED THESE FIELD SET(S) TO THE CITY ENGINEER'S OFFICE.

18. CONTRACTOR TO STORE MATERIALS AT LOCATION(S) APPROVED BY & COORDINATED WITH THE OWNER. EQUIPMENT IS TO BE STORED OVERNIGHT AT LOCATIONS SO AS NOT TO BLOCK STREETS OR DRIVES. MATERIALS ARE TO BE PROTECTED FROM DAMAGE BY THE ELEMENTS.

19. CONTRACTOR TO MAINTAIN ADEQUATE SITE DRAINAGE FACILITIES AS REQUIRED DURING CONSTRUCTION. PROTECT EXCAVATIONS FROM FLOODING DUE TO GROUNDWATER INFILTRATION AND RUN-OFF. INSURE THAT NO DRAINAGE ON OR OFF THE SITE IS BLOCKED BY PROPOSED CONSTRUCTION.

20. CONSTRUCTION AREAS ARE TO BE CLEARED/GRUBBED COMPLETELY OF TREES, BRUSH, STUMPS, ROOTS, PIPES, PAVEMENT AND ALL RUBBISH. COST OF CLEARING TO COMPLETE ALL IMPROVEMENTS TO BE INCLUDED IN BID TO THE CITY.

21. CONTRACTOR TO BE RESPONSIBLE FOR STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND EROSION CONTROL DURING AND AFTER CONSTRUCTION. CONTRACTOR SHALL INSTALL EROSION AND SILT CONTROL MEASURES AS REQUIRED DURING CONSTRUCTION AND SHALL REMOVE TEMPORARY MEASURES WHEN PERMANENT COVER IS ESTABLISHED. SILT FENCING IS TO BE PLACED DOWNSTREAM OF THE PROJECT TO KEEP SILT OFF OF PRIVATE PROPERTY. OTHER LOCATIONS MAY BE REQUIRED TO HAVE SILT FENCING. CONTRACTOR IS TO COORDINATE W/ CITY INSPECTOR.

22. CONTRACTOR IS RESPONSIBLE FOR O.S.H.A. ESTABLISHED TRENCH SAFETY AS DESCRIBED IN THE FEDERAL REGISTER 29 CFR PART 1926 FOR EXCAVATION EXCEEDING 5'. A TRENCH SAFETY PLAN SHOULD BE PREPARED AND A "COMPETENT PERSON" APPOINTED PRIOR TO ANY AND ALL EXCAVATING OPERATIONS EXCEEDING 5' DEPTH. THE PLAN IS TO BE PREPARED AND SEALED BY A REGISTERED TEXAS PROFESSIONAL ENGINEER AND SHALL BE SUBMITTED TO THE CITY OF BRYAN PRIOR TO ANY EXCAVATION ON THE PROJECT. A BID ITEM IS PROVIDED FOR TRENCH SAFETY AND CONFINED SPACE PLAN.

23. EXISTING GRADES SHALL BE RE-ATTAINED AND PROPOSED GRADES SHALL BE ATTAINED BY SHAPING BACKFILL MATERIAL BY CUT AND FILL OPERATIONS. FILL OPERATIONS ARE TO BE ACCOMPLISHED BY PLACING MATERIAL IN 6-INCH (LOOSE MEASURE) LIFTS AND 98% DENSITY AS DETERMINED BY ASTM D698 (STANDARD PROCTOR), AS NOTED IN DETAILS. CONTRACTORS (BIDDERS) ARE TO PERFORM THEIR OWN QUANTITIES DETERMINATION PRIOR TO BIDDING. ALL EARTHWORK TO BE INCLUDED IN BID.

24. SELECT BORROW MATERIAL SHALL HAVE A PLASTICITY INDEX (PI) OF 4 TO 15 UNLESS NOTED OTHERWISE BY THE GEOTECHNICAL REPORT

25. CONTRACTORS ARE TO COORDINATE THE HOLDING/SUPPORT OF UTILITY POLES WHERE NECESSARY TO FACILITATE CONSTRUCTION. ALL COORDINATION WITH UTILITY COMPANIES IS TO BE INCLUDED WITH BID ITEMS FOR WORK TO BE PERFORMED.

26. CULVERTS DISTURBED/DAMAGED BY CONSTRUCTION ARE TO BE RESET/REPLACED AT NO ADDITIONAL COST.

27. ALL EARTHENED AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE REGRADED. HYDROMULCHING IS REQUIRED IN ALL AREAS OF PROJECT. THIS WORK SHALL BE DONE AS OUTLINED IN THE SPECIFICATION.

28. CONTRACTOR TO VERIFY COORDINATE POINTS AND BENCH MARKS PRIOR TO COMMENCING WORK.

29. FIELD LOCATE ALL SERVICE LINES PRIOR TO CONSTRUCTION. REPORT DISCREPANCIES TO INSPECTOR & CONSULTING ENGINEER. ADJUSTMENTS MAY BE REQUIRED.

30. CONCRETE DESIGN, MATERIALS, AND WORKMANSHIP TO CONFORM TO THE CURRENT EDITION OF THE FOLLOWING STANDARDS UNLESS OTHERWISE MODIFIED ON THE DRAWINGS IN THE SPECIFICATIONS:
ACI 318-02 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
ACI 315-99 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT"
NCTCOG STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

31. THE FOLLOWING CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL, UNLESS OTHERWISE SHOWN:
3" - CONCRETE CAST DIRECTLY AGAINST THE GROUND
2" - FORMED SURFACES OR TOP OF FINISHED SURFACES

32. LAP REINFORCING STEEL IN ACCORDANCE WITH ACI 318-02 (CLASS B).

33. EXCESS DIRT FROM ROADWAY SHALL BE DISPOSED OF BY THE CONTRACTOR.

34. FINISHED GRADES TO BE SLOPED TO PROVIDE PROPER DRAINAGE.

35. STREET CONSTRUCTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE CITY OF BRYAN AND THESE SPECIFICATIONS/PLANS.

36. PAVEMENT TIE-INS TO EXISTING PAVEMENT TO BE SUBSIDIARY TO THE PERTINENT BID ITEMS.

37. COORDINATE CONSTRUCTION CLOSELY WITH CITY TO ASSURE NO CONFLICTS BETWEEN GRADING, DRAINAGE AND PAVING IMPROVEMENTS.

38. PROPOSED PAVEMENT ELEVATIONS SHOWN ARE TOP OF FINISHED PAVEMENT (TP), OR CURB (TC) AS NOTED. PROPOSED FLOWLINE ELEVATIONS ARE NOTED (FL). PROPOSED TOP OF WALL ELEVATIONS ARE NOTED (TW).

39. PROVIDE EXPANSION JOINTS AND CONTROL JOINTS IN ACCORDANCE WITH CITY OF BRYAN STANDARD SPECIFICATION AND DETAILS. CURB AND GUTTER SHALL HAVE 1/2" PREMOLDED OR 3/4" REDWOOD OR CYPRESS EXPANSION JOINT AND SHALL HAVE GROOVED CONTROL JOINTS AT 10 FT. MAXIMUM ALL JOINTS WILL BE SEALED.

40. ALL FORMS MUST BE WELL STAKED AND THOROUGHLY BRACED SO THAT TAMPING OF MATERIALS WILL NOT DISTURB THEM OR MOVE THEM OUT OF LINE.

41. CARE MUST BE TAKEN THAT THE CURB AND GUTTER SHALL NOT SHOW TROWEL MARKS, HIGH SPOTS, SAGS OR HORIZONTAL DEFLECTIONS AND ANY SECTION SHOWING SAME AFTER BEING FINISHED WILL BE CONDEMNED BY THE CITY OF BRYAN AND MUST BE REPLACED BY THE CONTRACTOR.

42. THE COMPLETED CONCRETE PAVEMENT SHALL BE CURED BY A METHOD APPROVED BY THE CITY OF BRYAN. LIQUID MEMBRANE CURING COMPOUND WHICH COMPLIES WITH THE "STANDARD SPECIFICATIONS FOR LIQUID MEMBRANE FORMING COMPOUNDS FOR CURING CONCRETE", ASTM C309 TYPE 2 WHITE PIGMENTED MAY BE USED.

43. CUT/FILL SHEETS ARE REQUIRED. CONTRACTOR IS TO HAVE CUT/FILL SHEETS PREPARED AND SEALED BY A REGISTERED PUBLIC LAND SURVEYOR (RPLS) OR A TEXAS PROFESSIONAL ENGINEER (P.E.) CONSTRUCTION IS NOT TO BEGIN UNTIL FINAL CUT SHEETS HAVE BEEN SUBMITTED TO INSPECTOR.

44. CONTRACTOR SHALL REMOVE & DISPOSE OF ALL EXISTING VALVES & WATER SYSTEM APPURTENCES AND/OR ABANDONED DUE TO NEW SYSTEM. COORDINATE & VERIFY WITH INSPECTOR AND WATER SERVICES PERSONNEL PRIOR TO REMOVAL.

PROJECT NOTES 7

45. CONTRACTOR SHALL PROVIDE MEANS FOR TESTING, FLUSHING, & RELATED ITEMS FOR PROJECT. COST ARE INCIDENTAL & SHOULD BE INCLUDED IN RELATED BID ITEMS.

46. PRIVATE WATER SERVICES & SANITARY SEWER SERVICES SHALL BE PERFORMED BY A LISCENSED PLUMBER. PRIVATE WATER SERVICE IS ALL ITEMS ON THE CUSTOMER SIDE OF THE METER. PRIVATE SANITARY SEWER INCLUDES ANY CONNECTION TO PRIVATE PLUMBING & ANYTHING WITHIN 5' OFF THE STRUCTURE.

PROJECT NOTES CONTINUED 6

1. UTILITY CONSTRUCTION AND MATERIALS SHALL MEET THE REQUIREMENTS OF THESE PLANS, JOINT BRYAN/COLLEGE STATION DESIGN GUIDELINES, SPECIFICATIONS AND DETAILS AND TCEQ.

2. CONTRACTOR AND HIS SUPPLIER TO SUPPLY & INSTALL FITTINGS AS DESIGNED. ANY ADDITIONAL FITTING REQUIRED BUT NOT NOTED ON PLANS BUT NECESSARY FOR CONSTRUCTION WILL BE CONSIDERED SUBSIDIARY. CONTRACTOR TO MAKE THEIR OWN DETERMINATION FOR SUBSIDIARYITENS. COST TO BE INCLUDED IN PIPE BIDS.

3. CONTRACTOR IS TO COORDINATE BACKFILLING OF ALL ITEMS TO BE CONSTRUCTED WITH THE CITY OF BRYAN ENGINEERING DEPARTMENT. ALL UTILITIES TO BE TESTED IN ACCORDANCE WITH PROJECT SPECIFICATIONS. TESTS TO BE COORDINATED WITH & WITNESSED BY THE CITY INSPECTOR.

4. EMBEDMENT REQUIREMENTS NOTED ON THESE PLANS ARE TO BE STRICTLY ADHERED TO.

5. CONTRACTOR SHALL COORDINATE ALL MAIN AND SERVICE CONNECTIONS WITH THE CITY OF BRYAN AND INDIVIDUAL PROPERTY OWNERS (WHERE NECESSARY). CONTRACTOR WILL GIVE 72 HOUR NOTICE TO CUSTOMERS FOR BREAK IN WATER SERVICE.

6. SANITARY SEWER GRAVITY LINE TO BE SDR 26 (HEAVY WALL) PVC AND CONFORM TO ASTM D2241 (AS APPROVED BY THE CITY OF BRYAN). SEPARATION REQUIREMENT TO ADHERE TO ITCEQ (RE:DETAIL).

8. WATERLINE TO BE PVC (POLYVINYL CHLORIDE) AND CONFORM TO ASTM D2241. PIPE 6" AND 8" IN DIAMETER TO BE C-900 PVC. SERVICE LINES SHALL BE 1" OR 1-1/2" COPPER. PVC PIPE JOINTS TO HAVE SINGLE GASKET BELL TYPE JOINTS. PROVIDE 48" MINIMUM COVER FOR WATERLINES UNLESS NOTED.

9. GATE VALVES TO BE SAME SIZE AS LINE IN WHICH INSTALLED UNLESS NOTED. PROVIDE IRON BODIED RESILIENT SEAT GATE VALVES.

10. FITTINGS TO BE DUCTILE IRON CONFORMING TO AWWA C110 AND ANSI A21 10 FOR 2 INCHES IN DIAMETER AND LARGER.

11. NOTIFY PROPERTY OWNERS 72 HOURS IN ADVANCE OF INTERRUPTION OF WATER SERVICES. WATER SERVICES SHALL NOT BE INTERRUPTED TO ANY RESIDENCE OR BUSINESS FOR LONGER THAN A SIX HOUR PERIOD.

12. CITY WILL SHUT OFF WATER ONLY IF ABSOLUTELY NECESSARY FOR CONTRACTOR TO MAKE TIE-INS. CONTRACTOR WILL GIVE 72 HOUR NOTICE TO CITY. CLOSE COORDINATION IS REQUIRED TO ALLOW CITY SUFFICIENT TIME TO NOTIFY CUSTOMERS WATER WILL BE SHUT-OFF. CITY WILL SHUT WATER OFF ONLY ONCE. CONTRACTOR TO HAVE SUFFICIENT STAFF AND ALL REQUIRED MATERIALS ON SITE PRIOR TO BEGINNING OF WORK AND SYSTEM SHUT DOWN. ALL TIE-INS ARE TO BE COMPLETED WITHIN A 6 HOUR PERIOD.

13. ALL NECESSARY ADJUSTMENTS TO UTLITY RELATED ITEMS (IE: WATER METERS, VALVE BOXES, GAS METERS, VALVE BOXES, MONITORING WELLS, MANHOLES, ETC.) ARE TO BE SUBSIDIARY. COSTS TO BE INCLUDED IN BID.

14. CONTRACTOR IS RESPONSIBLE FOR FINDING ALL SANITARY SEWER SERVICES. PRELIMINARY INVESTIGATION WILL ALSO CONFIRM ADDITIONAL SERVICES THAT ARE NECESSARY WHICH ARE NOT SHOWN IN PLANS.

15. VERIFY LOCATION AND GRADE OF SANITARY SEWER TIE-INS PRIOR TO CONSTRUCTION.

16. A LICENSED PLUMBER IS REQUIRED FOR ALL WORK RELATED TO WATER AND SANITARY SEWER SERVICES THAT IS ON PRIVATE PROPERTY.

17. ALL MANHOLES ARE TO BE ADJUSTED FOR TEMPORARY & FINAL GRADES SO THAT TRAFFIC CAN PASS DURING ALL PHASES OF CONSTRUCTION. COSTS SHALL BE INCLUDED IN MANHOLE BIDS.

18. CONTRACTOR TO LOCATE ALL INTERCONNECT LOCATIONS PRIOR TO CONSTRUCTION. LINES TO BE CUT, DISCONNECTED & CAPPED AS NOTED IN PLANS.

19. ALL WATER METER BOXES AND TOPS ARE TO BE REMOVED & DISPOSED OF. NEW METER BOXES AND TOPS ARE TO BE FURNISHED & INSTALLED BY CONTRACTOR.

UTILITY NOTES 5

Existing

SS	SANITARY SEWER (SIZE SHOWN)
W	WATER LINE (SIZE SHOWN)
G	NATURAL GAS LINE
UGE	UNDERGROUND ELECTRIC LINE
UGT	UNDERGROUND TELEPHONE LINE
FOC	UNDERGROUND FIBER OPTIC CABLE
E	OVERHEAD ELECTRIC
T	OVERHEAD TELEPHONE
	CHAINLINK FENCE
	BARBED WIRE FENCE
	WOOD FENCE
	FIRE HYDRANT
WV	WATER VALVE
	SANITARY SEWER MANHOLE
CO	SANITARY SEWER CLEANOUT
PP	POWER POLE
WM	WATER METER
TBX	TELEPHONE BOX
GM	GAS METER
TP	TELEPHONE POLE
GV	GAS VALVE
AC	AIR CONDITION UNIT
MB	MAILBOX
BM#2	BENCH MARK
	CONTROL POINT
	ASPHALT
	BRICK PAVERS
	GRAVEL
	CONCRETE

Proposed

	STANDARD FIRE HYDRANT ASSEMBLY
	MANHOLE
	CLEANOUT (SEWER)
8"SS	8" SEWERLINE
	SEWER SERVICE TRANSFER
X LST	LONG SERVICE TRANSFER
X SST	SHORT SERVICE TRANSFER
	SANITARY SEWER FURNCO
	RIGHT-OF-WAY
8"W	WATERLINE (SIZE NOTED)
	WATER SERVICE TRANSFER
ST	STORM SEWERLINE
	STORM SEWER INLET
	SIGN
WV	GATE VALVE
	CONCRETE SIDEWALK PAVEMENT
WM	WATER METER

LEGEND 4

Bench Mark List

NO.	DESCRIPTION	COORDINATES	ELEVATION
20214	RAILROAD SPIKE IN POWER POLE AT THE SOUTHWEST CORNER OF THE 26TH STREET AND PARKER AVENUE INTERSECTION	N 10230937.44 E 3540598.53	373.16
20567	RAILROAD SPIKE IN POWER POLE AT THE NORTHEAST CORNER OF THE 27TH STREET AND PARKER AVENUE INTERSECTION	N 10230648.87 E 3540633.54	373.28
20567	RAILROAD SPIKE IN POWER POLE AT THE NORTHEAST CORNER OF THE 27TH STREET AND PARKER AVENUE INTERSECTION	N 10230648.87 E 3540633.54	373.28
20567	RAILROAD SPIKE IN POWER POLE AT THE NORTHEAST CORNER OF THE 27TH STREET AND PARKER AVENUE INTERSECTION	N 10230648.87 E 3540633.54	373.28

Control Point List

NO.	DESCRIPTION	COORDINATES	ELEVATION
27	1/2" IRON ROD AT NORTHWEST CORNER OF WMJ BRYAN AND PARKER AVENUE INTERSECTION	N 10231368.59 E 3540636.36	360.16
26	1/2" IRON ROD AT SOUTHWEST CORNER OF 24TH STREET AND PARKER AVENUE INTERSECTION	N 10231608.12 E 3540647.37	352.40
15486	1/2" IRON ROD IN THE SOUTHEAST CORNER OF 22ND STREET AND PARKER AVENUE INTERSECTION	N 10232294.61 E 3540762.64	350.71
15491	1/2" IRON ROD SET IN THE SOUTHEAST CORNER OF THE 21ST STREET AND PARKER AVENUE INTERSECTION	N 10232617.39 E 3540793.60	351.85
15494	MAGNAIL SET IN PAVEMENT IN THE SOUTHEAST CORNER OF THE PRUITT STREET AND PARKER AVENUE INTERSECTION	N 10232961.75 E 3540814.00	350.25
34601	60D NAIL SET IN THE SOUTHEAST CORNER OF THE MLK STREET AND PARKER AVENUE INTERSECTION	N 10233251.27 E 3540842.94	351.69
12004	1/2" IRON ROD SET IN THE SOUTHEAST CORNER OF THE 23RD STREET AND PARKER AVENUE INTERSECTION	N 10233251.27 E 3540842.94	351.69

BENCHMARK LIST 3

TEXAS ONE CALL SYSTEM
1-800-245-4545
STOP-CALL BEFORE YOU DIG!

NOTE: CONTRACTOR SHALL NOTIFY ONE CALL SYSTEM AND SHALL NOTIFY ANY OTHER UTILITIES WHICH ARE SUSPECTED IN THE PROJECT AREA WHO MAY NOT SUBSCRIBE TO THE TEXAS ONE CALL SYSTEM.

UTILITY LOCATING SERVICE 2

VICINITY MAP 1

1"=200'

NO.	DATE	ISSUED FOR
1	12/10	REVIEW
2	3/11	REVIEW
3	7/1/11	Bid

GOODWIN-LASITER, INC
ENGINEERS - ARCHITECTS
SURVEYORS
TBPE FIRM REGISTRATION #413
1609 S. CHESTNUT ST., SUITE 202 • LUFKIN, TEXAS 75901 • (936) 637-4900 • admin@goodwinlasiter.com
3600 STATE HWY. 6 SOUTH., SUITE 102 • COLLEGE STATION, TEXAS 77845 • (979) 696-6767 • ctex@goodwinlasiter.com

©2011 ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT FROM GOODWIN-LASITER, INC.

DRAWN BY:	APPV'D BY:	PLOT SCALE:
RCT	JSR	1:1

D:\600\600059\600059-C1.0-Project Notes & Information-Map.dwg - June 29, 2011 - 11:

STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

Parker Avenue - Phase II Reconstruction
City of Bryan
Bryan, Texas
Project Notes and Information

CONTRACT NO. 600059

SHEET NO.

C1.0

NO.	DATE	ISSUED FOR
1	12/10	Review
2	3/11	Review
3	7/1/11	Bid

GOODWIN-LASITER, INC
ENGINEERS - ARCHITECTS
SURVEYORS
TBPE FIRM REGISTRATION #413
1609 S. CHESTNUT ST., SUITE 202 ■ LUFKIN, TEXAS 75901 ■ (936) 637-4900 ■ admin@goodwinlasiter.com
3600 STATE HWY. 6 SOUTH., SUITE 102 ■ COLLEGE STATION, TEXAS 77845 ■ (979) 696-6767 ■ ctex@goodwinlasiter.com

©2011 ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT FROM GOODWIN-LASITER, INC.

D:\600\600059\600059-C1.1-C1.3-Existing Conditions & Demolition Plan.dwg

DRAWN BY:	APPVD BY:	PLOT SCALE:
DKE	JIR	1:1

STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

Parker Avenue - Phase II Reconstruction
City of Bryan
Bryan, Texas
Existing Conditions And Demoilition Plan

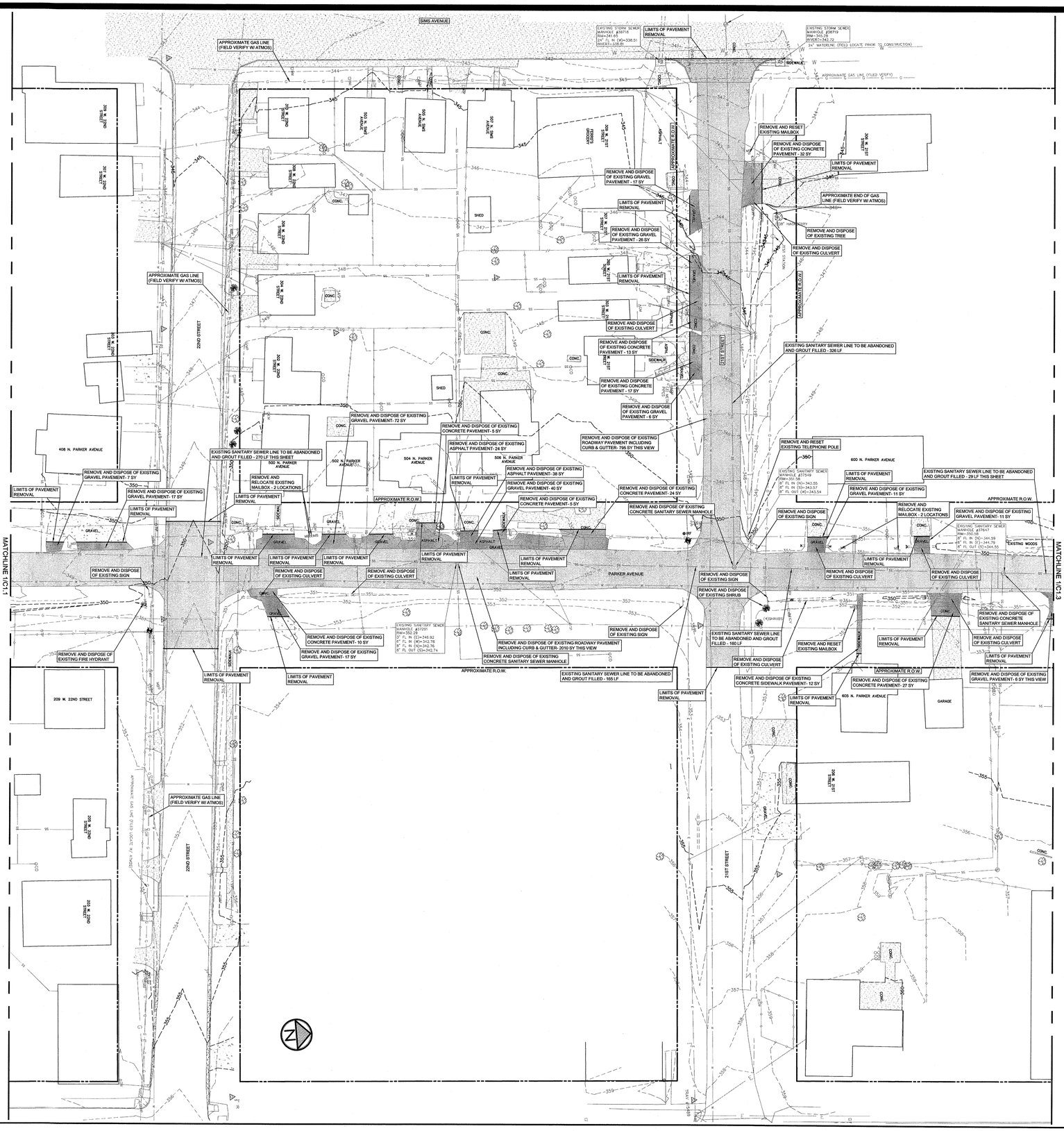
CONTRACT NO. 600059

SHEET NO.

C1.1

Parker Avenue

1"=30'-0" | 1



Parker Avenue

1"=30'-0" | 1

NO.	DATE	ISSUED FOR
1	12/10	Review
2	3/11	Review
3	7/1/11	Bid

GOODWIN-LASITER, INC
ENGINEERS - ARCHITECTS
SURVEYORS
TBPE FIRM REGISTRATION #4413
1609 S. CHESTNUT ST., SUITE 202 ■ LUFKIN, TEXAS 75901 ■ (936) 637-4900 ■ admin@goodwinlasiter.com
3600 STATE HWY. 6 SOUTH., SUITE 102 ■ COLLEGE STATION, TEXAS 77845 ■ (979) 696-6767 ■ ctex@goodwinlasiter.com

©2011 ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT FROM GOODWIN-LASITER, INC.

D:\600\600059\600059-C1.1-C1.3-Existing Conditions & Demolition Plan.dwg – Tue 2:

DRAWN BY:	APV'D BY:	PLOT SCALE:
DKE	JJR	1:1

STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

Parker Avenue - Phase II Reconstruction

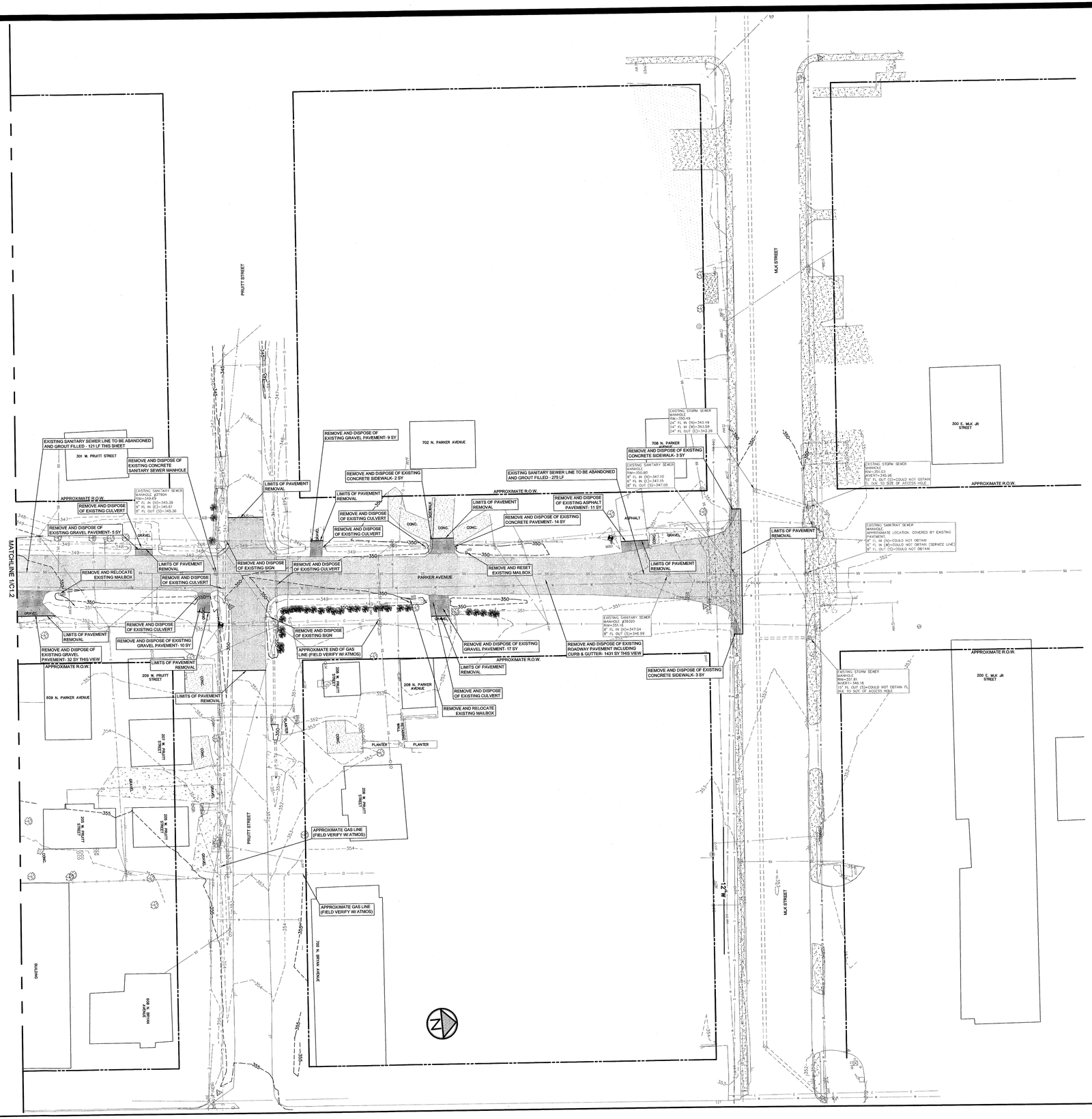
City of Bryan
Bryan, Texas

Existing Conditions And Demolition Plan

CONTRACT NO. 600059

SHEET NO.

C1.2



NO.	DATE	ISSUED FOR
1	12/10	Review
2	3/11	Review
3	7/1/11	Bid

GOODWIN-LASITER, INC
ENGINEERS - ARCHITECTS
SURVEYORS
TBPE FIRM REGISTRATION #413
1609 S. CHESTNUT ST., SUITE 202 ■ LUFKIN, TEXAS 75901 ■ (936) 637-4900 ■ admin@goodwinlasiter.com
3600 STATE HWY. 6 SOUTH., SUITE 102 ■ COLLEGE STATION, TEXAS 77845 ■ (979) 696-6767 ■ ctex@goodwinlasiter.com

©2011 ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT FROM GOODWIN-LASITER, INC.

D:\600\600059\600059-C1.1-C1.3-Existing Conditions & Demolition Plan.dwg -

PLOT SCALE: 1:1
PLOT DATE: JUL 6, 2011
AUTHOR: DKE
FILE: DKE

STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

Parker Avenue - Phase II Reconstruction

City of Bryan
Bryan, Texas

Existing Conditions And Demoilition Plan

CONTRACT NO. 600059

SHEET NO.

C1.3

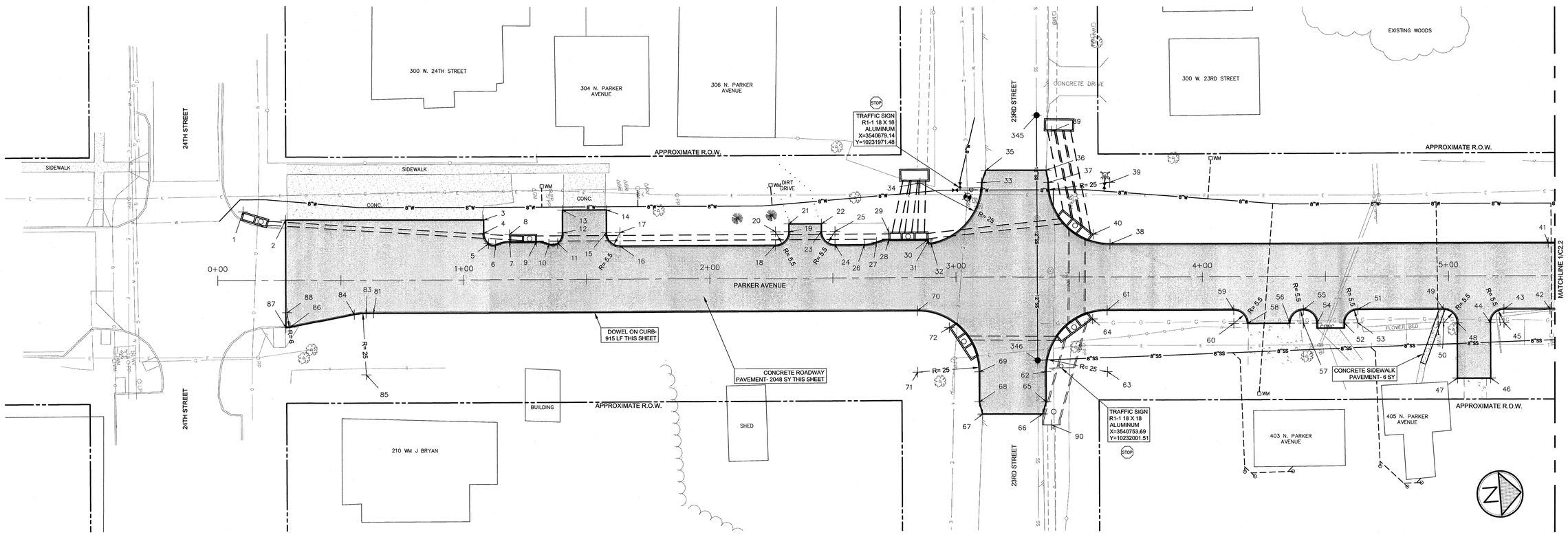
1"=30'-0"

1

Parker Avenue

COORDINATE TABLE										
Number	Northing	Easting	Full Desc	Number	Northing	Easting	Full Desc	STA	Northing	Easting
1	10231675.8641	3540662.2054	INLET	47	10232161.54	3540772.40	BACK OF CURB	0+00	10231663.207	3540689.135
2	10231692.8195	3540667.1204	EDGE OF PAVEMENT	48	10232163.4128	3540749.9795	BACK OF CURB	1+00	10231762.860	3540697.458
3	10231773.0083	3540673.8180	BACK OF CURB	49	10232158.3897	3540744.0408	BACK OF CURB	2+00	10231862.513	3540705.781
4	10231772.5586	3540679.2019	BACK OF CURB	50	10232157.9319	3540749.5217	RADIUS OF CURVE	3+00	10231962.166	3540714.105
5	10231774.1765	3540683.5746	BACK OF CURB	51	10232123.6111	3540741.1360	BACK OF CURB	4+00	10232061.819	3540722.428
6	10231777.0514	3540684.3393	BACK OF CURB	52	10232117.6724	3540746.1591	BACK OF CURB	5+00	10232161.472	3540730.751
7	10231782.7803	3540683.5656	BACK OF CURB	53	10232123.1533	3540746.8169	RADIUS OF CURVE			
8	10231783.0299	3540680.5760	INLET	54	10232106.5499	3540745.2301	BACK OF CURB			
9	10231793.7421	3540684.4812	BACK OF CURB	55	10232101.5268	3540739.2914	BACK OF CURB			
10	10231798.6469	3540685.8954	BACK OF CURB	56	10232095.5881	3540744.3146	BACK OF CURB			
11	10231802.2252	3540685.9175	BACK OF CURB	57	10232101.0690	3540744.7723	RADIUS OF CURVE			
12	10231804.5463	3540681.8736	BACK OF CURB	58	10232078.3887	3540742.8780	BACK OF CURB			
13	10231805.3157	3540672.6615	BACK OF CURB	59	10232073.3656	3540736.9393	BACK OF CURB			
14	10231823.0898	3540674.1460	BACK OF CURB	60	10232072.9078	3540742.4202	RADIUS OF CURVE			
15	10231822.3203	3540683.3581	BACK OF CURB	61	10232022.1278	3540732.6598	BACK OF CURB			
16	10231827.3435	3540689.2968	BACK OF CURB	62	10231995.1338	3540755.4922	BACK OF CURB			
17	10231827.8013	3540683.8159	RADIUS OF CURVE	63	10232020.0470	3540757.5730	RADIUS OF CURVE			
18	10231890.2649	3540694.5522	BACK OF CURB	64	10232015.9005	3540735.7722	INLET			
19	10231896.2036	3540689.5291	BACK OF CURB	65	10231994.1210	3540767.6179	BACK OF CURB			
20	10231890.7226	3540689.0713	RADIUS OF CURVE	66	10231992.2909	3540772.4824	PAVEMENT LIMITS			
21	10231896.4681	3540686.3619	BACK OF CURB	67	10231968.0783	3540770.4601	PAVEMENT LIMITS			
22	10231909.6204	3540687.4867	BACK OF CURB	68	10231967.2179	3540765.3709	BACK OF CURB			
23	10231909.3581	3540690.6278	BACK OF CURB	69	10231968.2306	3540753.2452	BACK OF CURB			
24	10231914.3812	3540696.5665	BACK OF CURB	70	10231945.3992	3540726.2511	BACK OF CURB			
25	10231914.8390	3540691.0856	RADIUS OF CURVE	71	10231943.3174	3540751.1644	RADIUS OF CURVE			
26	10231926.27	3540697.56	BACK OF CURB	72	10231957.6922	3540734.2415	INLET			
27	10231931.26	3540696.97	BACK OF CURB	73	NOT USED					
28	10231936.33	3540696.39	BACK OF CURB	74	NOT USED					
29	10231936.59	3540693.31	INLET	75	NOT USED					
30	10231952.2761	3540697.7226	BACK OF CURB	76	NOT USED					
31	10231952.2237	3540698.3500	BACK OF CURB	77	NOT USED					
32	10231953.3132	3540699.4289	BACK OF CURB	78	NOT USED					
33	10231975.9032	3540676.6179	BACK OF CURB	79	NOT USED					
34	10231950.9899	3540674.5371	RADIUS OF CURVE	80	NOT USED					
35	10231978.0668	3540671.7812	PAVEMENT LIMITS	81	10231725.1215	3540707.8530	BACK OF CURB			
36	10232002.3605	3540673.8103	PAVEMENT LIMITS	82	NOT USED					
37	10232002.8095	3540678.8652	BACK OF CURB	83	10231722.0977	3540707.6004	BACK OF CURB			
38	10232025.6419	3540705.8593	BACK OF CURB	84	10231717.2294	3540707.6695	BACK OF CURB			
39	10232027.7227	3540680.9460	RADIUS OF CURVE	85	10231720.0168	3540732.5137	RADIUS OF CURVE			
40	10232019.1540	3540701.4170	INLET	86	10231690.8629	3540710.6278	BACK OF CURB			
41	10232203.1019	3540720.6812	BACK OF CURB	87	10231689.1867	3540710.6157	BACK OF CURB			
42	10232201.4994	3540747.6414	BACK OF CURB	88	10231690.1939	3540704.6652	RADIUS OF CURVE			
43	10232182.7866	3540746.0785	BACK OF CURB	89	10232005.9917	3540658.1404	STORM SEWER			
44	10232176.8479	3540751.1016	BACK OF CURB	90	10231995.4336	3540777.1763	STORM SEWER			
45	10232182.3288	3540751.5594	RADIUS OF CURVE	345	10232000.4402	3540651.1750	MANHOLE			
46	10232174.98	3540773.52	BACK OF CURB	346	10231992.2070	3540750.5651	MANHOLE			

APPROXIMATE QUANTITY TABLE		
NO.	ITEM	AMOUNT THIS VIEW
1	CONCRETE ROADWAY PAVEMENT	2048 SY
2	DOWEL ON CURB	915 LF
3	TRAFFIC SIGN R1-1 18 X 18 ALUMINUM (STOP)	2 EA
4	SIDEWALK PAVEMENT	6 SY



Parker Avenue

1"=20'-0"

1

NO.	DATE	ISSUED FOR
1	12/10	Review
2	3/11	Review
3	7/1/11	Bid

GOODWIN-LASITER, INC
ENGINEERS - ARCHITECTS
SURVEYORS
TBPE FIRM REGISTRATION #419
1609 S. CHESTNUT ST., SUITE 202 ■ LUFKIN, TEXAS 75901 ■ (936) 637-4900 ■ admin@goodwinlasiter.com
3600 STATE HWY. 6 SOUTH., SUITE 102 ■ COLLEGE STATION, TEXAS 77845 ■ (979) 696-6767 ■ ctex@goodwinlasiter.com

©2011 ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT FROM GOODWIN-LASITER, INC.

D:\600\600059\600059-C2.1-C2.4-Site Plan.dwg - June 29, 2011 - 1:12pm

DRAWN BY:	APPVD BY:	PLOT SCALE:
DKE	JJR	1:1

STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

Parker Avenue - Phase II Reconstruction

City of Bryan
Bryan, Texas

Project Layout-Parker Ave. Sta. 0+00-Sta. 5+43.32

CONTRACT NO.
600059

SHEET NO.

C2.1

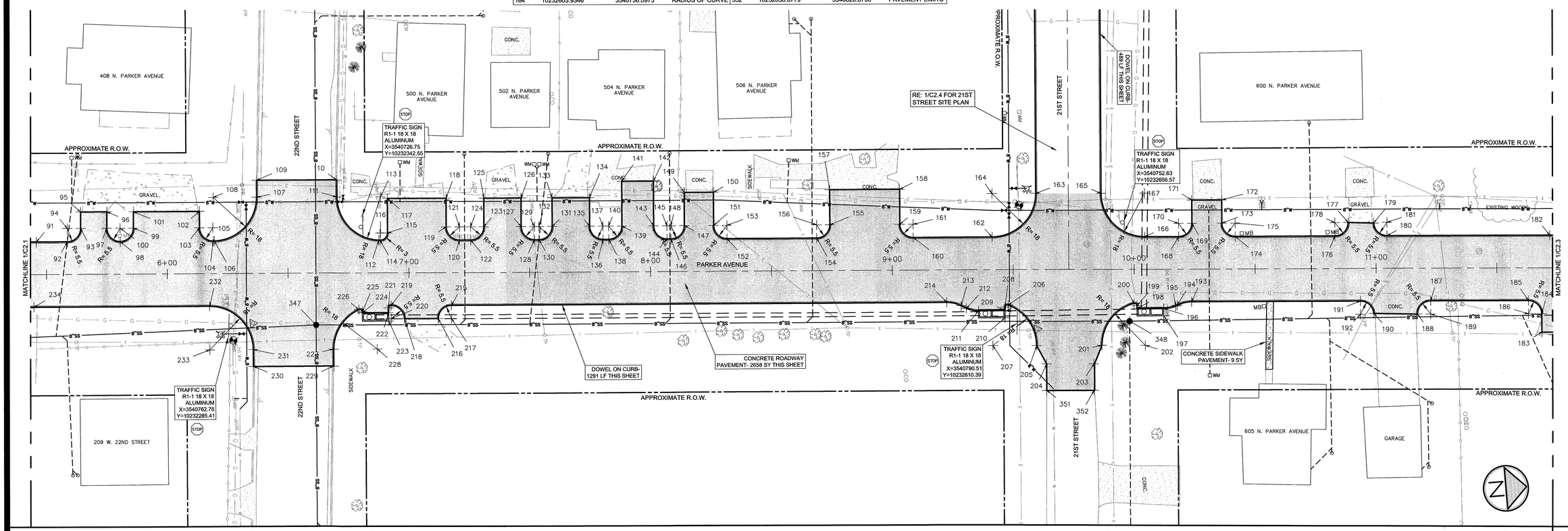
COORDINATE TABLE

Number	Northing	Easting	Full Desc
91	10232208.2755	3540721.1134	BACK OF CURB
92	10232221.0741	3540722.1823	BACK OF CURB
93	10232227.0128	3540717.1592	BACK OF CURB
94	10232221.5318	3540716.7014	RADIUS OF CURVE
95	10232227.5785	3540710.3660	BACK OF CURB
96	10232238.4036	3540711.2902	BACK OF CURB
97	10232237.8379	3540718.0633	BACK OF CURB
98	10232242.8610	3540724.0020	BACK OF CURB
99	10232248.7997	3540718.9769	BACK OF CURB
100	10232243.3188	3540718.5211	RADIUS OF CURVE
101	10232249.3654	3540712.2057	BACK OF CURB
102	10232276.6303	3540714.4830	BACK OF CURB
103	10232276.0646	3540721.2562	BACK OF CURB
104	10232281.2139	3540727.1999	BACK OF CURB
105	10232281.5459	3540721.7099	RADIUS OF CURVE
106	10232281.7123	3540727.2408	BACK OF CURB
107	10232300.7361	3540710.7718	BACK OF CURB
108	10232282.7985	3540709.2736	RADIUS OF CURVE
109	10232301.3186	3540703.7975	BACK OF CURB
110	10232334.4049	3540706.5610	BACK OF CURB
111	10232333.8223	3540713.5367	BACK OF CURB
112	10232349.5284	3540732.8965	BACK OF CURB
113	10232351.7606	3540715.0346	RADIUS OF CURVE
114	10232350.0465	3540732.9401	BACK OF CURB
115	10232353.4047	3540730.2126	BACK OF CURB
116	10232350.4151	3540729.9629	RADIUS OF CURVE
117	10232354.5985	3540715.9190	BACK OF CURB
118	10232378.7818	3540717.9388	BACK OF CURB
119	10232377.7950	3540729.7530	BACK OF CURB
120	10232382.8181	3540735.6917	BACK OF CURB
121	10232383.2759	3540730.2107	RADIUS OF CURVE
122	10232387.4106	3540736.0752	BACK OF CURB
123	10232393.3493	3540731.0521	BACK OF CURB
124	10232387.8683	3540730.5943	RADIUS OF CURVE
125	10232394.3360	3540719.2379	BACK OF CURB
126	10232409.7641	3540720.5265	BACK OF CURB
127	10232408.7774	3540732.3407	BACK OF CURB
128	10232413.8005	3540738.2794	BACK OF CURB
129	10232414.2583	3540732.7985	RADIUS OF CURVE
130	10232415.6463	3540738.4336	BACK OF CURB
131	10232421.5850	3540733.4104	BACK OF CURB
132	10232416.1041	3540732.9526	RADIUS OF CURVE
133	10232422.5718	3540721.5963	BACK OF CURB
134	10232438.0263	3540722.8871	BACK OF CURB
135	10232437.0396	3540734.7012	BACK OF CURB
136	10232442.0627	3540740.6399	BACK OF CURB
137	10232442.5205	3540735.1590	RADIUS OF CURVE
138	10232444.4159	3540740.8365	BACK OF CURB
139	10232450.3546	3540735.8134	BACK OF CURB
140	10232444.8737	3540735.3556	RADIUS OF CURVE
141	10232451.8982	3540717.3321	BACK OF CURB
142	10232464.9625	3540718.4233	BACK OF CURB
143	10232463.4189	3540736.9045	BACK OF CURB
144	10232468.4420	3540742.8432	BACK OF CURB
145	10232468.8998	3540737.3623	RADIUS OF CURVE
146	10232470.0942	3540742.9812	BACK OF CURB
147	10232476.0329	3540737.9581	BACK OF CURB
148	10232470.5520	3540737.5003	RADIUS OF CURVE
149	10232477.1765	3540724.2660	BACK OF CURB
150	10232489.2267	3540725.2725	BACK OF CURB
151	10232488.0831	3540738.9645	BACK OF CURB
152	10232493.1063	3540744.9032	BACK OF CURB
153	10232493.5640	3540739.4223	RADIUS OF CURVE
154	10232530.0765	3540747.9911	BACK OF CURB
155	10232536.0152	3540742.9680	BACK OF CURB
156	10232530.5343	3540742.5102	RADIUS OF CURVE
157	10232537.2246	3540728.4883	BACK OF CURB
158	10232566.0539	3540730.8962	BACK OF CURB
159	10232564.8445	3540745.3759	BACK OF CURB
160	10232569.8677	3540751.3146	BACK OF CURB
161	10232570.3254	3540745.8337	RADIUS OF CURVE
162	10232602.4364	3540754.0348	BACK OF CURB
163	10232621.8732	3540737.5828	BACK OF CURB
164	10232603.9346	3540736.0973	RADIUS OF CURVE
165	10232648.7771	3540739.8589	BACK OF CURB
166	10232665.2178	3540759.2785	BACK OF CURB
167	10232666.7160	3540741.3409	RADIUS OF CURVE
168	10232679.2493	3540760.4504	BACK OF CURB
169	10232685.1880	3540755.4273	BACK OF CURB
170	10232679.7071	3540754.9695	RADIUS OF CURVE
171	10232685.99	3540745.84	BACK OF CURB
172	10232698.32	3540746.87	BACK OF CURB
173	10232697.52	3540756.46	BACK OF CURB
174	10232702.54	3540762.40	BACK OF CURB
175	10232703.00	3540756.92	RADIUS OF CURVE
176	10232743.6335	3540765.8280	BACK OF CURB
177	10232749.5763	3540760.7533	BACK OF CURB
178	10232744.0913	3540760.3471	RADIUS OF CURVE
179	10232760.0274	3540761.9484	BACK OF CURB
180	10232765.0664	3540767.6181	BACK OF CURB
181	10232765.5242	3540762.1372	RADIUS OF CURVE
182	10232832.2561	3540773.2300	BACK OF CURB
183	10232825.48	3540812.85	BACK OF CURB
184	10232826.1068	3540805.3296	BACK OF CURB
185	10232821.0836	3540799.3909	BACK OF CURB
186	10232820.6258	3540804.8718	RADIUS OF CURVE
187	10232780.7149	3540796.0191	BACK OF CURB
188	10232774.7761	3540801.0433	BACK OF CURB
189	10232780.2571	3540801.5001	RADIUS OF CURVE
190	10232756.7975	3540799.2222	BACK OF CURB
191	10232751.7571	3540793.6005	BACK OF CURB
192	10232751.2993	3540799.0814	RADIUS OF CURVE
193	10232682.1954	3540787.7905	BACK OF CURB
194	10232676.1679	3540788.7211	BACK OF CURB
195	10232675.4922	3540788.9986	BACK OF CURB
196	10232670.4265	3540789.5783	BACK OF CURB
197	10232670.2117	3540792.5706	INLET
198	10232659.4547	3540788.7909	BACK OF CURB
199	10232659.5591	3540787.4711	BACK OF CURB
200	10232658.3881	3540786.4032	BACK OF CURB
201	10232643.5926	3540802.6127	BACK OF CURB
202	10232661.5288	3540804.1271	RADIUS OF CURVE
203	10232639.5934	3540809.9178	PAVEMENT LIMITS
204	10232620.1090	3540808.2904	PAVEMENT LIMITS
205	10232616.6862	3540800.3654	BACK OF CURB
206	10232606.5901	3540782.6818	BACK OF CURB
207	10232598.7473	3540798.8834	RADIUS OF CURVE
208	10232605.1579	3540783.4987	BACK OF CURB
209	10232605.0419	3540784.8860	BACK OF CURB
210	10232604.7917	3540787.8755	INLET
211	10232594.0803	3540783.9685	BACK OF CURB
212	10232589.1755	3540782.5542	BACK OF CURB
213	10232587.1397	3540781.2872	BACK OF CURB
214	10232581.3462	3540779.3672	BACK OF CURB
215	10232377.1308	3540762.3107	BACK OF CURB
216	10232371.1921	3540767.3338	BACK OF CURB
217	10232376.6731	3540767.7916	RADIUS OF CURVE
218	10232357.2772	3540766.1716	BACK OF CURB
219	10232352.2541	3540760.2329	BACK OF CURB
220	10232351.7963	3540765.7138	RADIUS OF CURVE
221	10232351.1743	3540761.1462	BACK OF CURB
222	10232351.0093	3540763.1216	BACK OF CURB
223	10232350.7174	3540766.6094	INLET
224	10232340.0476	3540762.2041	BACK OF CURB
225	10232340.0818	3540761.7949	BACK OF CURB
226	10232338.7426	3540760.7722	BACK OF CURB
227	10232326.9735	3540776.1840	BACK OF CURB
228	10232344.9110	3540777.6822	RADIUS OF CURVE
229	10232326.3909	3540783.1598	BACK OF CURB
230	10232293.2569	3540780.3923	BACK OF CURB
231	10232293.8396	3540773.4166	BACK OF CURB
232	10232277.4002	3540753.9809	BACK OF CURB
233	10232275.9020	3540771.9184	RADIUS OF CURVE
234	10232204.9408	3540747.9269	BACK OF CURB
347	10232320.6647	3540765.6229	MANHOLE
348	10232655.9213	3540793.6239	MANHOLE
351	10232619.1643	3540819.2498	PAVEMENT LIMITS
352	10232638.6779	3540820.8796	PAVEMENT LIMITS

STA	Northing	Easting
6+00	10232261.125	3540739.075
7+00	10232360.778	3540747.398
8+00	10232460.431	3540755.721
9+00	10232560.084	3540764.044
10+00	10232659.737	3540772.368
11+00	10232759.390	3540780.691

APPROXIMATE QUANTITY TABLE

NO.	ITEM	AMOUNT THIS VIEW
1	CONCRETE ROADWAY PAVEMENT	2658 SY
2	DOWEL ON CURB	1291 LF
3	TRAFFIC SIGN R1-1 18 X 18 ALUMINUM (STOP)	4 EA
4	SIDEWALK PAVEMENT	9 SY



Parker Avenue

1"=20'-0"

1

NO.	DATE	ISSUED FOR
1	12/10	Review
2	3/11	Review
3	7/1/11	Bid

G-L
GOODWIN-LASITER, INC
ENGINEERS - ARCHITECTS
SURVEYORS
TBPE FIRM REGISTRATION #413
1609 S. CHESTNUT ST., SUITE 202 ■ LUFKIN, TEXAS 75901 ■ (936) 637-4900 ■ admin@goodwinlasiter.com
3600 STATE HWY. 6 SOUTH., SUITE 102 ■ COLLEGE STATION, TEXAS 77845 ■ (979) 696-6767 ■ ctex@goodwinlasiter.com

©2011 ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT FROM GOODWIN-LASITER, INC.

D:\600\600059\600059-C2.1-C2.4-Site Plan.dwg – June 29, 2011 – 2:47pm

DRAWN BY:	APPVD BY:	PLOT SCALE:
DKE	JR	1:1

STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

Parker Avenue - Phase II Reconstruction
City of Bryan
Bryan, Texas
Project Layout-Parker Ave. Sta. 5+43.32-Sta. 11+79.13

CONTRACT NO.
600059

SHEET NO.
C2.2

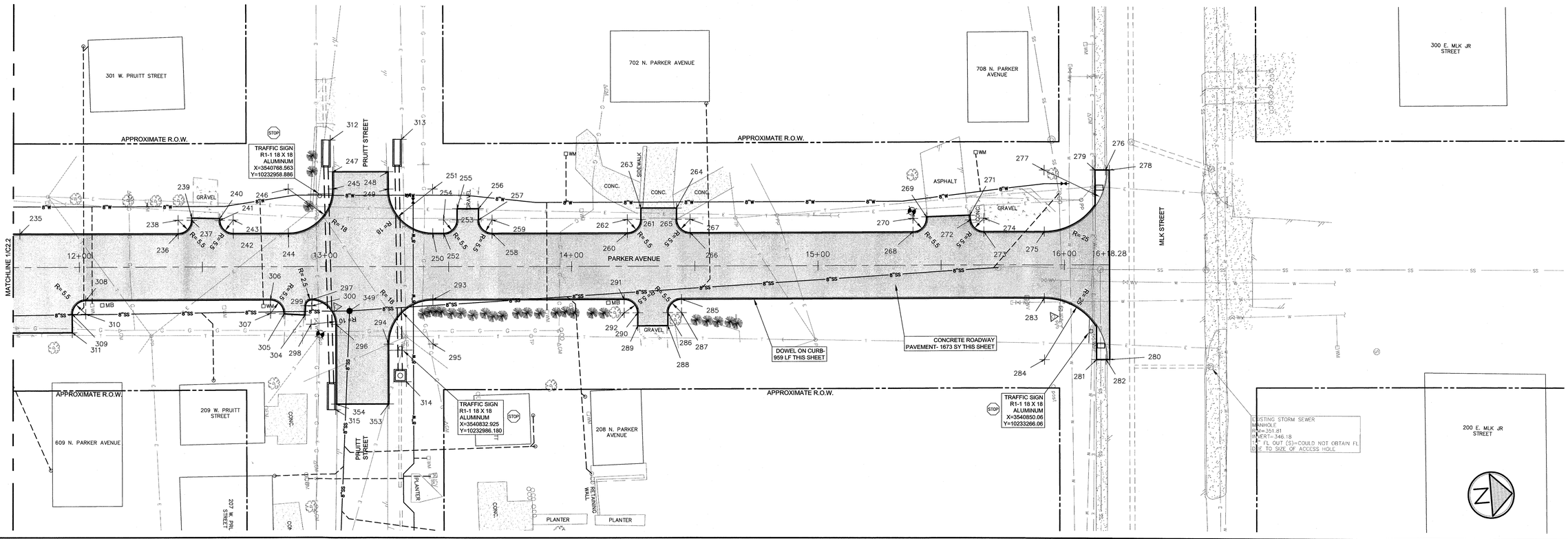
COORDINATE TABLE

Number	Northing	Easting	Full Desc	Number	Northing	Easting	Full Desc
235	10232836.1057	3540773.5515	BACK OF CURB	277	10233252.6867	3540783.2585	RADIUS OF CURVE
236	10232900.2225	3540778.9068	BACK OF CURB	278	10233279.0947	3540785.4648	PAVEMENT LIMITS
237	10232906.1538	3540773.9645	BACK OF CURB	279	10233273.3092	3540784.9793	PAVEMENT LIMITS
238	10232900.6803	3540773.4258	RADIUS OF CURVE	280	10233272.6408	3540862.1938	PAVEMENT LIMITS
239	10232906.2475	3540773.0121	BACK OF CURB	281	10233267.2920	3540861.7450	PAVEMENT LIMITS
240	10232917.5529	3540774.2544	BACK OF CURB	282	10233271.1461	3540862.0686	BACK OF CURB
241	10232917.5097	3540774.9472	BACK OF CURB	283	10233248.3136	3540835.0743	BACK OF CURB
242	10232922.5412	3540780.7709	BACK OF CURB	284	10233246.2328	3540859.9876	RADIUS OF CURVE
243	10232922.9990	3540775.2900	RADIUS OF CURVE	285	10233101.6175	3540822.8219	BACK OF CURB
244	10232944.8745	3540782.6362	BACK OF CURB	286	10233095.6788	3540827.8450	BACK OF CURB
245	10232964.3102	3540766.1969	BACK OF CURB	287	10233101.1597	3540828.3028	RADIUS OF CURVE
246	10232946.3726	3540764.6987	RADIUS OF CURVE	288	10233095.2406	3540833.0915	BACK OF CURB
247	10232964.8928	3540759.2212	BACK OF CURB	289	10233083.0489	3540832.0732	BACK OF CURB
248	10232987.3857	3540761.0998	BACK OF CURB	290	10233083.4871	3540826.8267	BACK OF CURB
249	10232986.8031	3540768.0755	BACK OF CURB	291	10233078.4639	3540820.8880	BACK OF CURB
250	10233003.2425	3540787.5113	BACK OF CURB	292	10233078.0061	3540826.3689	RADIUS OF CURVE
251	10233004.7407	3540769.5737	RADIUS OF CURVE	293	10233001.0188	3540814.4196	BACK OF CURB
252	10233007.6449	3540787.8790	BACK OF CURB	294	10232981.5831	3540830.8589	BACK OF CURB
253	10233013.5836	3540782.8558	BACK OF CURB	295	10232999.5206	3540832.3571	RADIUS OF CURVE
254	10233008.1027	3540782.3981	RADIUS OF CURVE	296	10232960.8595	3540821.0756	BACK OF CURB
255	10233013.9582	3540778.3715	BACK OF CURB	297	10232952.1116	3540810.3423	BACK OF CURB
256	10233022.6188	3540779.0948	BACK OF CURB	298	10232950.8922	3540820.2677	RADIUS OF CURVE
257	10233022.2443	3540783.5792	BACK OF CURB	299	10232949.3306	3540812.4792	BACK OF CURB
258	10233027.2674	3540789.5179	BACK OF CURB	300	10232951.8067	3540812.8236	RADIUS OF CURVE
259	10233027.7252	3540784.0370	RADIUS OF CURVE	301	NOT USED		
260	10233082.0746	3540794.0956	BACK OF CURB	302	NOT USED		
261	10233086.0133	3540789.0724	BACK OF CURB	303	NOT USED		
262	10233082.5324	3540788.6146	RADIUS OF CURVE	304	10232948.8027	3540816.2744	BACK OF CURB
263	10233088.3967	3540784.4830	BACK OF CURB	305	10232940.3091	3540815.0931	BACK OF CURB
264	10233102.7849	3540785.7246	BACK OF CURB	306	10232935.3093	3540808.9313	BACK OF CURB
265	10233102.4049	3540790.2745	BACK OF CURB	307	10232934.8515	3540814.4122	RADIUS OF CURVE
266	10233107.4280	3540796.2132	BACK OF CURB	308	10232860.4773	3540802.6811	BACK OF CURB
267	10233107.8858	3540790.7322	RADIUS OF CURVE	309	10232854.5386	3540807.7043	BACK OF CURB
268	10233197.6360	3540803.7476	BACK OF CURB	310	10232860.0196	3540808.1621	RADIUS OF CURVE
269	10233203.5916	3540798.1097	BACK OF CURB	311	10232853.91	3540815.23	BACK OF CURB
270	10233198.0938	3540798.2667	RADIUS OF CURVE	312	10232965.0153	3540746.2967	SAFETY END TREATMENT
271	10233221.1629	3540798.9724	BACK OF CURB	313	10232993.8529	3540748.3978	SAFETY END TREATMENT
272	10233221.2648	3540800.9446	BACK OF CURB	314	10232987.4166	3540846.6667	JUNCTION BOX
273	10233226.2997	3540806.1417	BACK OF CURB	315	10232957.8654	3540855.5068	SAFETY END TREATMENT
274	10233226.7575	3540800.6607	RADIUS OF CURVE	349	10232966.8299	3540816.0908	MANHOLE
275	10233250.6058	3540808.1718	BACK OF CURB	353	10232979.5643	3540855.0290	BACK OF CURB
276	10233277.5999	3540785.3393	BACK OF CURB	354	10232958.1729	3540853.2423	BACK OF CURB

STA	Northing	Easting
12+00	10232859.043	3540789.014
13+00	10232958.696	3540797.338
14+00	10233058.349	3540805.661
15+00	10233158.002	3540813.984
16+00	10233257.655	3540822.308
16+18.28	10233275.868	3540823.829

APPROXIMATE QUANTITY TABLE

NO.	ITEM	AMOUNT THIS VIEW
1	CONCRETE ROADWAY PAVEMENT	1673 SY
2	DOWEL ON CURB	959 LF
3	TRAFFIC SIGN R1-1 18 X 18 ALUMINUM (STOP)	3 EA



Parker Avenue

1"=20'-0" | 1

NO.	DATE	ISSUED FOR
1	12/10	Review
2	3/11	Review
3	7/1/11	Bid

GOODWIN-LASITER, INC
ENGINEERS - ARCHITECTS
SURVEYORS
TBPE FIRM REGISTRATION #419

1609 S. CHESTNUT ST., SUITE 202 ▪ LUFKIN, TEXAS 75901 ▪ (936) 637-4900 ▪ admin@goodwinlasiter.com
3600 STATE HWY. 6 SOUTH., SUITE 102 ▪ COLLEGE STATION, TEXAS 77845 ▪ (979) 696-6767 ▪ ctex@goodwinlasiter.com

©2011 ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT FROM GOODWIN-LASITER, INC.

DRAWN BY: DKE | APPV'D BY: JJR | PLOT SCALE: 1:1

D:\600\600059\600059-C2.1-C2.4-Site Plan.dwg – June 29, 2011 – 2:48pm

STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

Parker Avenue - Phase II Reconstruction
City of Bryan
Bryan, Texas
Project Layout-Parker Ave. Sta. 11 + 73.13- Sta. 16+18.28

CONTRACT NO. 600059

SHEET NO.

C2.3

COORDINATE TABLE						
Number	Northing	Easting	Full Desc	STA	Northing	Easting
316	10232621.8732	3540737.5828	BACK OF CURB	0+00	10232658.895	3540453.435
317	10232628.9896	3540651.4450	BACK OF CURB	1+00	10232650.661	3540553.095
318	10232623.7616	3540645.4979	BACK OF CURB	2+00	10232642.427	3540652.756
319	10232623.5083	3540650.9921	RADIUS OF CURVE	3+00	10232634.194	3540752.416
320	10232630.0868	3540569.7240	BACK OF CURB	3+17.76	10232632.732	3540770.112
321	10232636.1556	3540564.7083	BACK OF CURB			
322	10232630.6743	3540564.2555	RADIUS OF CURVE			
323	10232636.2677	3540563.3510	BACK OF CURB			
324	10232631.2393	3540557.4168	BACK OF CURB			
325	10232630.7864	3540562.8981	RADIUS OF CURVE			
326	10232637.4218	3540482.5833	BACK OF CURB			
327	10232643.3560	3540477.5548	BACK OF CURB			
328	10232637.8747	3540477.1020	RADIUS OF CURVE			
329	10232625.5411	3540451.5259	BACK OF CURB			
330	10232618.4409	3540475.4964	RADIUS OF CURVE			
331	10232625.5722	3540450.6788	PAVEMENT LIMITS			
332	10232691.6236	3540456.1412	PAVEMENT LIMITS			
333	10232691.5466	3540457.1959	BACK OF CURB			
334	10232670.2564	3540479.8733	BACK OF CURB			
335	10232695.1716	3540481.9317	RADIUS OF CURVE			
336	10232667.6587	3540511.3164	BACK OF CURB			
337	10232672.6872	3540517.2506	BACK OF CURB			
338	10232673.1400	3540511.7693	RADIUS OF CURVE			
339	10232678.1685	3540517.7035	BACK OF CURB			
340	10232676.0790	3540542.9946	BACK OF CURB			
341	10232670.5977	3540542.5417	BACK OF CURB			
342	10232664.6635	3540547.5702	BACK OF CURB			
343	10232670.1448	3540548.0230	RADIUS OF CURVE			
344	10232648.7771	3540739.8589	BACK OF CURB			
350	10232651.3373	3540616.0610	MANHOLE			
355	10232625.9750	3540619.0583	BACK OF CURB			
356	10232628.1211	3540619.2356	BACK OF CURB			
357	10232628.6975	3540612.2594	BACK OF CURB			
358	10232626.5514	3540612.0821	BACK OF CURB			
359	10232628.4093	3540615.7475	RADIUS OF CURVE			
360	10232627.6969	3540598.4306	BACK OF CURB			
361	10232629.8430	3540598.6079	BACK OF CURB			
362	10232630.4193	3540591.6317	BACK OF CURB			
363	10232628.2733	3540591.4544	BACK OF CURB			
364	10232630.1312	3540595.1198	RADIUS OF CURVE			
365	10232632.8001	3540538.5243	BACK OF CURB			
366	10232634.7933	3540538.6890	BACK OF CURB			
367	10232635.3697	3540531.7127	BACK OF CURB			
368	10232633.3765	3540531.5481	BACK OF CURB			
369	10232635.0815	3540535.2009	RADIUS OF CURVE			

APPROXIMATE QUANTITY TABLE		
NO.	ITEM	AMOUNT THIS VIEW
1	CONCRETE ROADWAY PAVEMENT	1008 SY
2	DOWEL ON CURB	489 LF

NO.	DATE	ISSUED FOR
1	12/10	Review
2	3/11	Review
3	7/1/11	Bid

D:\600\600059\600059-C2.1-C2.4-Site Plan.dwg – June 29, 2011 – 2:40pm

G-L
GOODWIN-LASITER, INC
ENGINEERS - ARCHITECTS
SURVEYORS
TBPE FIRM REGISTRATION #413
1609 S. CHESTNUT ST., SUITE 202 • LUFKIN, TEXAS 75901 • (936) 637-4900 • admin@goodwinlasiter.com
3600 STATE HWY. 6 SOUTH., SUITE 102 • COLLEGE STATION, TEXAS 77845 • (979) 696-6767 • ctex@goodwinlasiter.com

©2011 ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT FROM GOODWIN-LASITER, INC.

DRAWN BY:	APPR'D BY:	PLOT SCALE:
DKE	JJR	1:1

STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

Parker Avenue - Phase II Reconstruction
City of Bryan
Bryan, Texas
Project Layout-21st Street Sta. 0+00-Sta. 3+17.76

CONTRACT NO. 600059

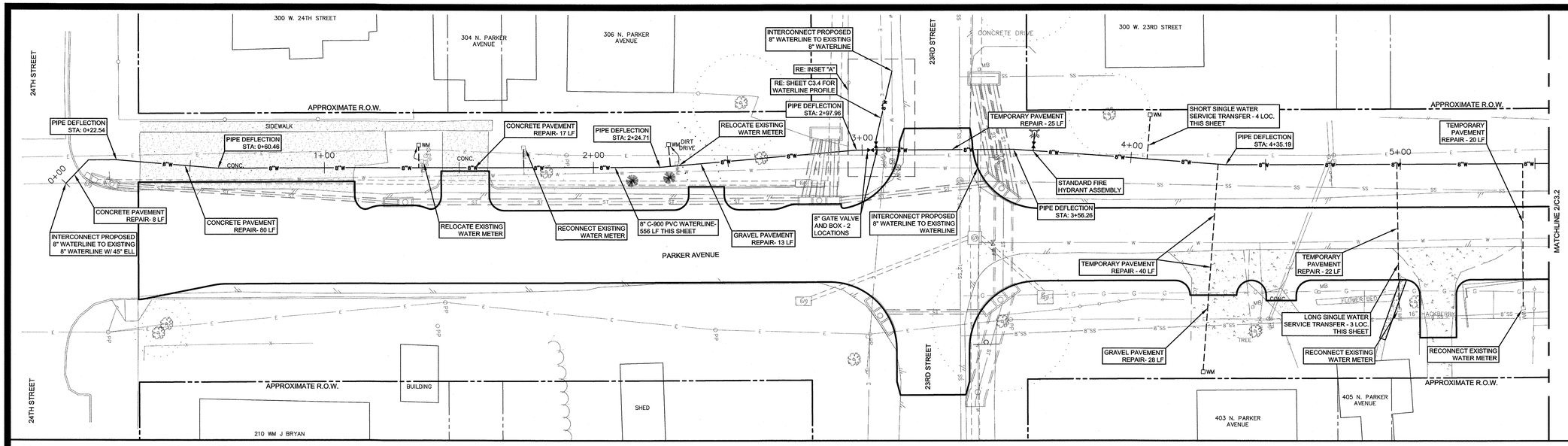
SHEET NO.

C2.4

21st Street

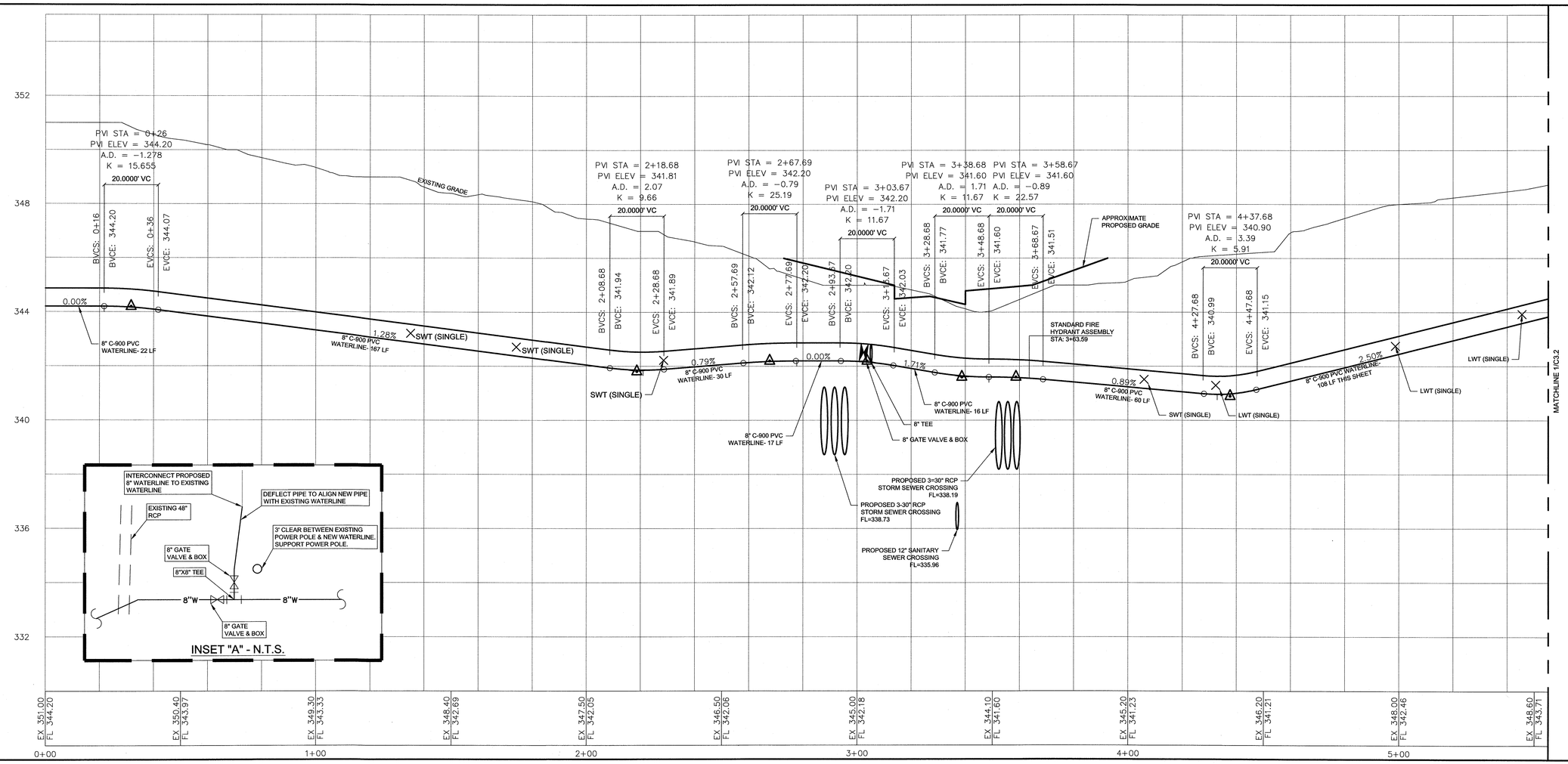
1"=20'-0"

1



Parker Avenue - Water Plan

1"=20'-0" | 2



APPROXIMATE QUANTITY TABLE		
NO.	ITEM	AMOUNT THIS VIEW
1	8" C-900 PVC WATERLINE	593 LF
2	8" GATE VALVE & BOX	2 LOC
3	WATER SERVICE LINE	228 LF
4	TEMPORARY PAVEMENT REPAIR	107 LF
5	CONCRETE PAVEMENT REPAIR	105 LF
6	GRAVEL PAVEMENT REPAIR	41 LF
7	RELOCATE EXISTING WATER METER	2 LOC
8	SHORT (SINGLE) WATER SERVICE TRANSFER	4 LOC
9	LONG (SINGLE) WATER SERVICE TRANSFER	3 LOC
10	STANDARD FIRE HYDRANT ASSEMBLY	1 LOC

Parker Avenue - Water Profile

Horizontal 1"=20'-0", Vertical 1"=2'-0" | 1

NO.	DATE	ISSUED FOR
1	12/10	Review
2	3/11	Review
3	7/1/11	Bid

D:\600\600059\600059-C3.1-C3.5-Water Plan.dwg - June 28, 2011 - 2:25pm

GOODWIN-LASITER, INC
ENGINEERS - ARCHITECTS
SURVEYORS
TBPE FIRM REGISTRATION #413
1609 S. CHESTNUT ST., SUITE 202 ■ LUFKIN, TEXAS 75901 ■ (936) 637-4900 ■ admin@goodwinlasiter.com
3600 STATE HWY. 6 SOUTH., SUITE 102 ■ COLLEGE STATION, TEXAS 77845 ■ (979) 696-6767 ■ cstx@goodwinlasiter.com

©2011 ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT FROM GOODWIN-LASITER, INC.

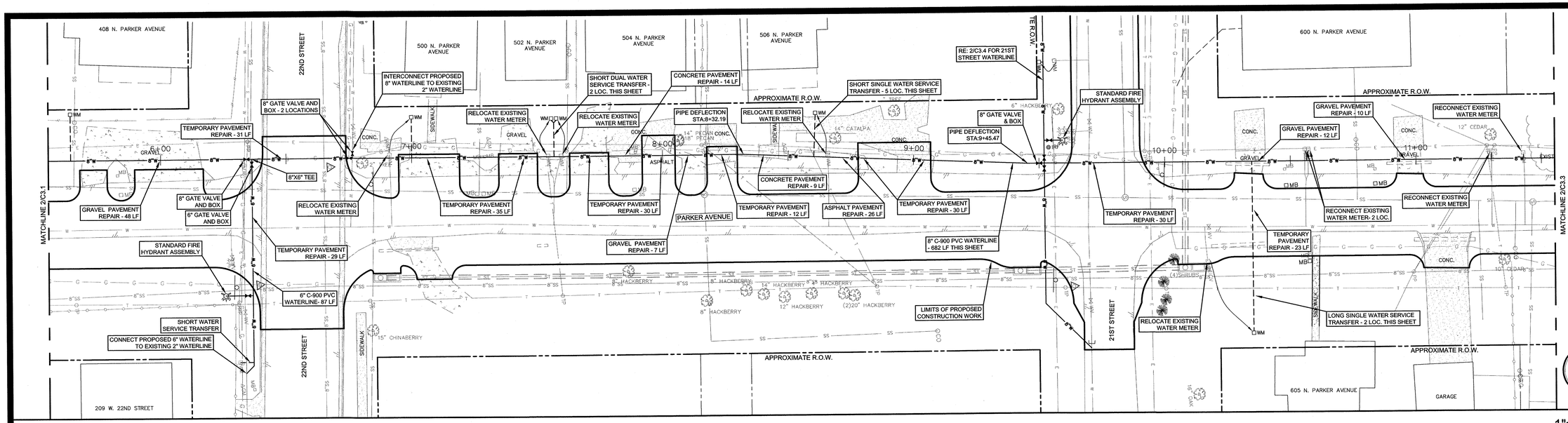
DRAWN BY: DKE | APV'D BY: JTR | PLOT SCALE: 1:1

STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

Parker Avenue - Phase II Reconstruction
City of Bryan
Bryan, Texas
Water Plan and Profile

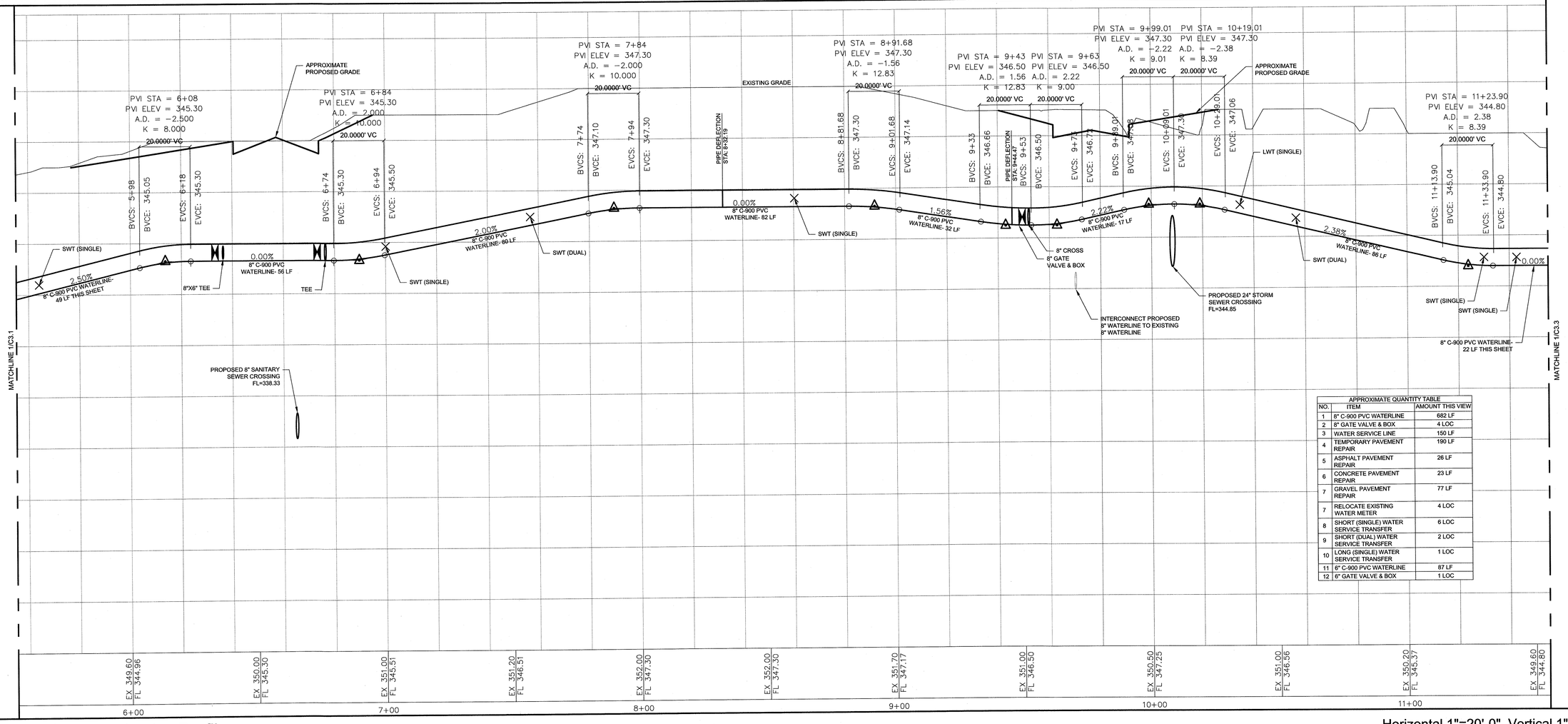
CONTRACT NO. 600059

SHEET NO.
C3.1



Parker Avenue - Water Plan

1"=20'-0" | 2



APPROXIMATE QUANTITY TABLE		
NO.	ITEM	AMOUNT THIS VIEW
1	8" C-900 PVC WATERLINE	682 LF
2	8" GATE VALVE & BOX	4 LOC
3	WATER SERVICE LINE	150 LF
4	TEMPORARY PAVEMENT REPAIR	190 LF
5	ASPHALT PAVEMENT REPAIR	26 LF
6	CONCRETE PAVEMENT REPAIR	23 LF
7	GRAVEL PAVEMENT REPAIR	77 LF
7	RELOCATE EXISTING WATER METER	4 LOC
8	SHORT (SINGLE) WATER SERVICE TRANSFER	6 LOC
9	SHORT (DUAL) WATER SERVICE TRANSFER	2 LOC
10	LONG (SINGLE) WATER SERVICE TRANSFER	1 LOC
11	8" C-900 PVC WATERLINE	87 LF
12	6" GATE VALVE & BOX	1 LOC

Parker Avenue - Water Profile

Horizontal 1"=20'-0", Vertical 1"=2'-0" | 1

NO.	DATE	ISSUED FOR
1	12/10	Review
2	3/11	Review
3	7/1/11	Bid

D:\600\600059\600059-C3.1-C3.5-Water Plan.dwg – June 29, 2011 – 8:26am

GOODWIN-LASITER, INC
ENGINEERS - ARCHITECTS
SURVEYORS
TBPE FIRM REGISTRATION #413
1609 S. CHESTNUT ST., SUITE 202 ■ LUFKIN, TEXAS 75901 ■ (936) 637-4900 ■ admin@goodwinlasiter.com
3600 STATE HWY. 6 SOUTH., SUITE 102 ■ COLLEGE STATION, TEXAS 77845 ■ (979) 696-6767 ■ ctex@goodwinlasiter.com

©2011 ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT FROM GOODWIN-LASITER, INC.

DRAWN BY: DKE | APPV'D BY: JJR | PLOT SCALE: 1:1

STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

Parker Avenue - Phase II Reconstruction

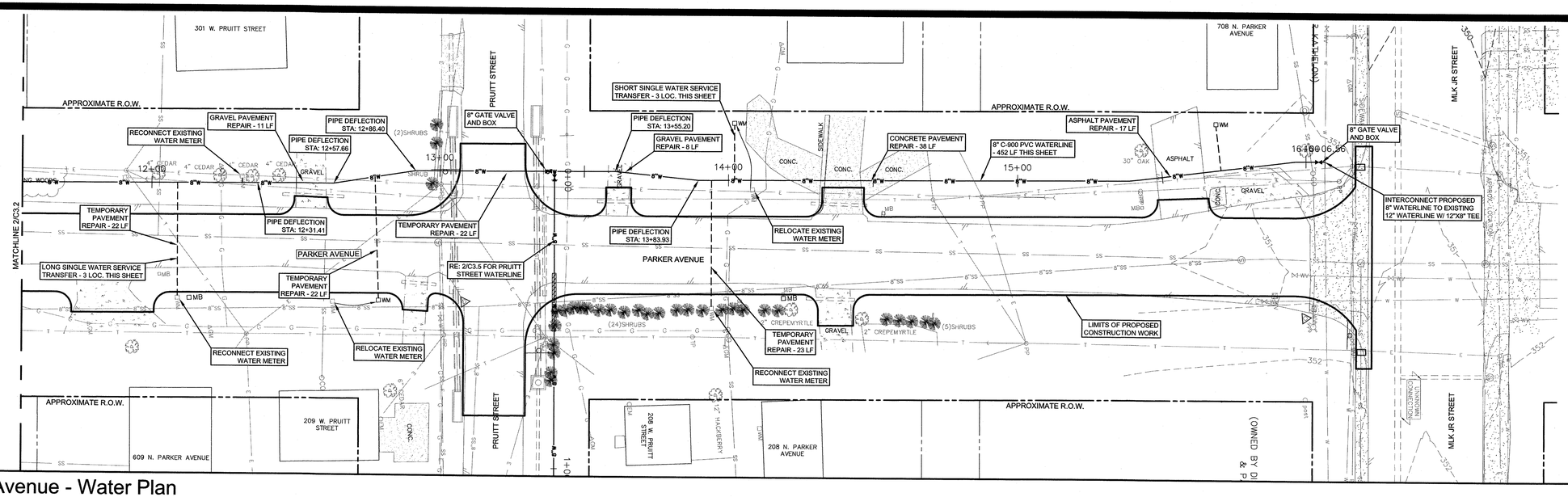
City of Bryan
Bryan, Texas

Water Plan and Profile

CONTRACT NO. 600059

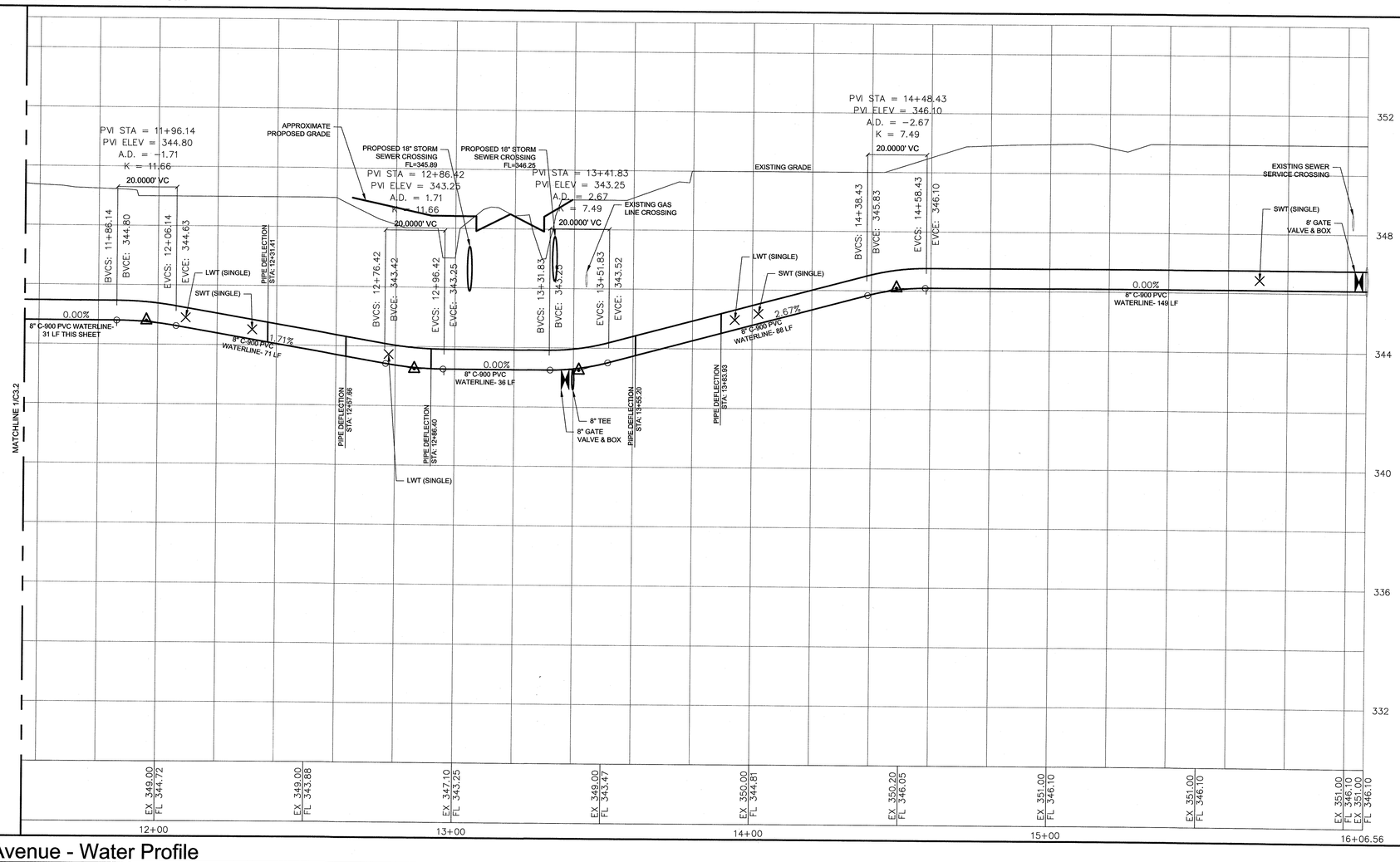
SHEET NO.

C3.2



Parker Avenue - Water Plan

1"=20'-0" | 2



APPROXIMATE QUANTITY TABLE		
NO.	ITEM	AMOUNT THIS VIEW
1	8" C-900 PVC WATERLINE	452 LF
2	8" GATE VALVE & BOX	2 LOC
3	WATER SERVICE LINE	161 LF
4	TEMPORARY PAVEMENT REPAIR	89 LF
5	ASPHALT PAVEMENT REPAIR	17 LF
6	CONCRETE PAVEMENT REPAIR	38 LF
7	GRAVEL PAVEMENT REPAIR	19 LF
8	RELOCATE EXISTING WATER METER	2 LOC
9	SHORT (SINGLE) WATER SERVICE TRANSFER	3 LOC
10	LONG (SINGLE) WATER SERVICE TRANSFER	3 LOC

Parker Avenue - Water Profile

Horizontal 1"=20'-0", Vertical 1"=2'-0" | 1

NO.	DATE	ISSUED FOR
1	12/10	Review
2	3/11	Review
3	7/1/11	Bid

GOODWIN-LASITER, INC
ENGINEERS - ARCHITECTS
SURVEYORS
TBPE FIRM REGISTRATION #413
1609 S. CHESTNUT ST., SUITE 202 ■ LUFKIN, TEXAS 75901 ■ (936) 637-4900 ■ admin@goodwinlasiter.com
3600 STATE HWY. 6 SOUTH., SUITE 102 ■ COLLEGE STATION, TEXAS 77845 ■ (979) 696-6767 ■ cten@goodwinlasiter.com

COPY: ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT FROM GOODWIN-LASITER, INC.

D:\600\600059\600059-C3.1-C3.5-Water Plan.dwg – June 28, 2011 – 9:16pm

DRAWN BY: DKE | APPV'D BY: JJR | PLOT SCALE: 1:1

STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

Parker Avenue - Phase II Reconstruction

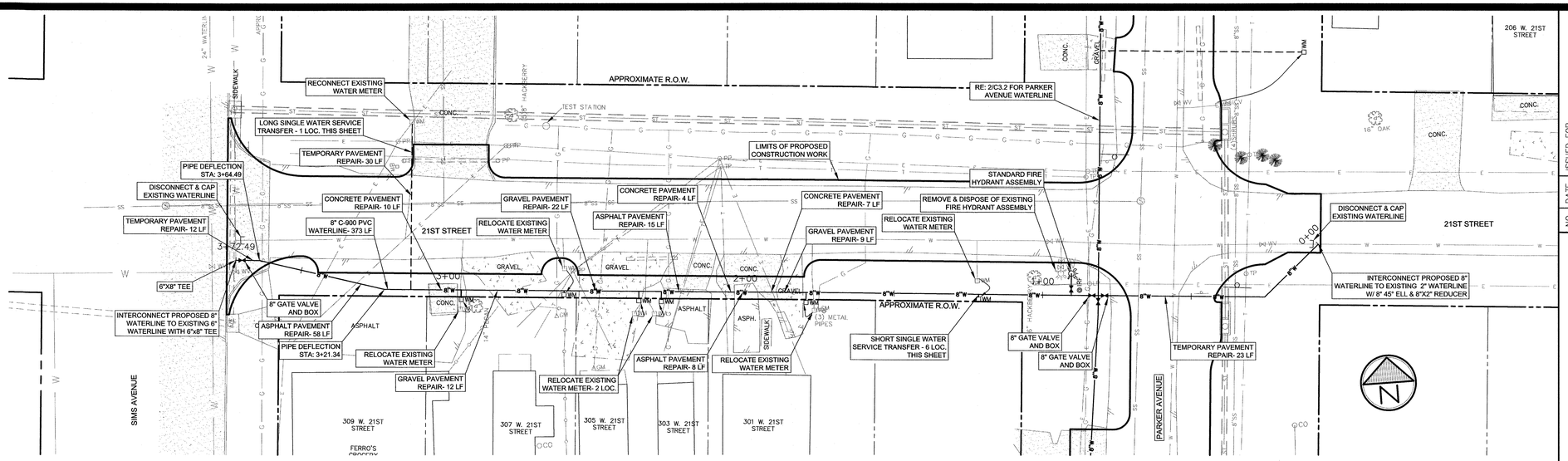
City of Bryan
Bryan, Texas

Water Plan and Profile

CONTRACT NO. 600059

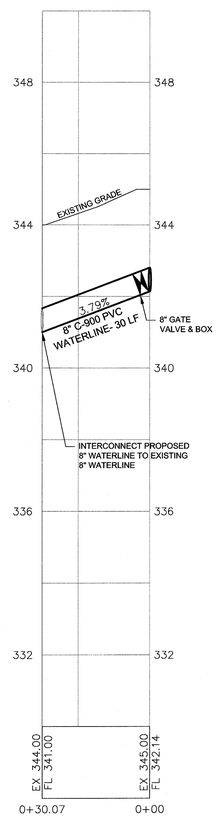
SHEET NO.

C3.3



21st Street - Water Plan

1"=20'-0" | 2

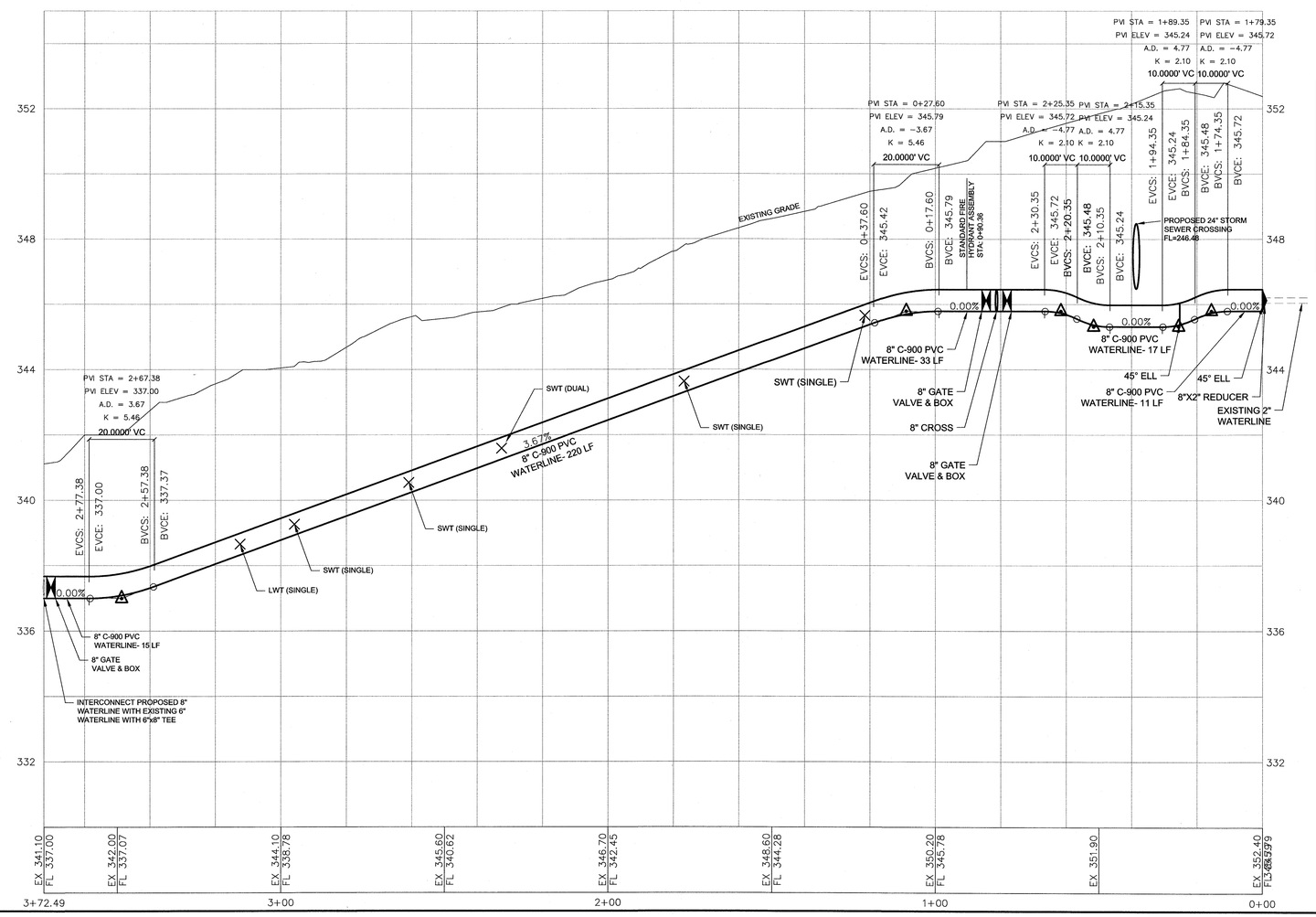


NOTE: PLAN VIEW ON SHEET 2/C3.1

Horizontal 1"=20'-0"

23rd Street - Water Profile

Vertical 1"=2'-0" | 3



APPROXIMATE QUANTITY TABLE		
NO.	ITEM	AMOUNT THIS VIEW
1	8" C-900 PVC WATERLINE	373 LF
2	8" GATE VALVE & BOX	3 LOC
2	WATER SERVICE LINE	68 LF
3	TEMPORARY PAVEMENT REPAIR	65 LF
4	ASPHALT PAVEMENT REPAIR	81 LF
5	CONCRETE PAVEMENT REPAIR	21 LF
6	GRAVEL PAVEMENT REPAIR	43 LF
7	RELOCATE EXISTING WATER METER	6 LOC
8	SHORT (SINGLE) WATER SERVICE TRANSFER	6 LOC
9	LONG (SINGLE) WATER SERVICE TRANSFER	1 LOC

21st Street - Water Profile

Horizontal 1"=20'-0", Vertical 1"=2'-0" | 1

NO.	DATE	ISSUED FOR
1	12/10	Review
2	3/11	Review
3	7/1/11	Bid

D:\1600\600059\600059-C3.1-C3.5-Water Plan.dwg – June 29, 2011 – 9:43am

GOODWIN-LASITER, INC
ENGINEERS - ARCHITECTS
SURVEYORS
TBPE FIRM REGISTRATION #413
1609 S. CHESTNUT ST., SUITE 202 • LUFKIN, TEXAS 75901 • (936) 637-4900 • admin@goodwinlasiter.com
3600 STATE HWY. 6 SOUTH., SUITE 102 • COLLEGE STATION, TEXAS 77845 • (979) 696-6767 • ctex@goodwinlasiter.com

©2011 ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT FROM GOODWIN-LASITER, INC.

FLOOR SCALE: 1:1
APPVD BY: JJR
DRAWN BY: DKE

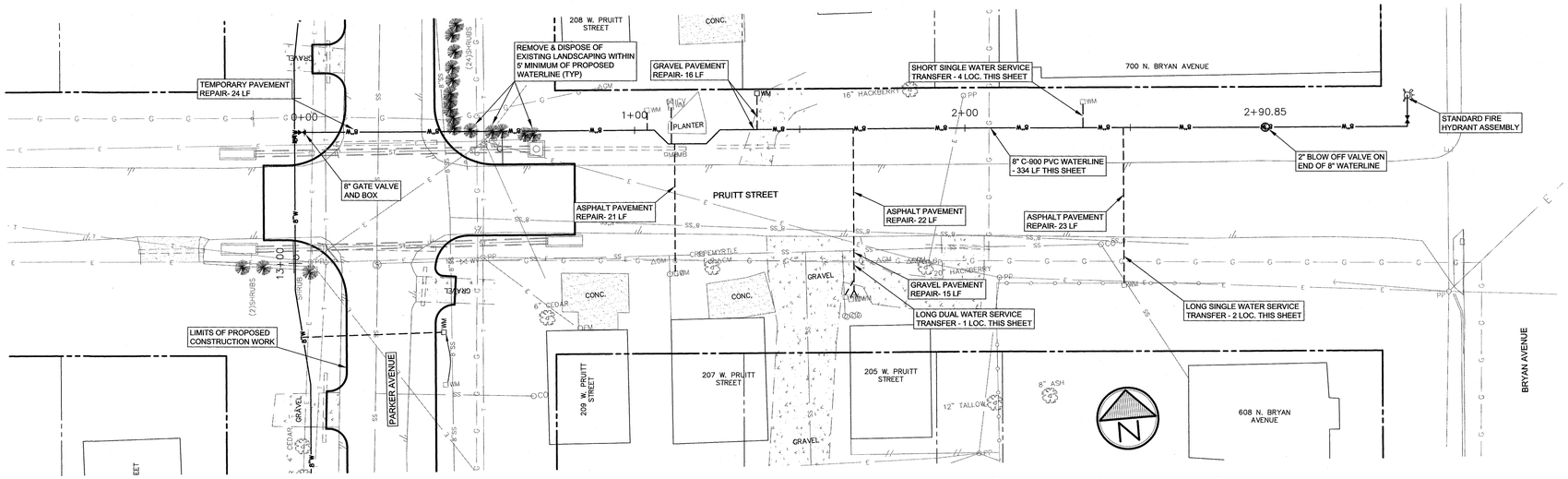
STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

Parker Avenue - Phase II Reconstruction
City of Bryan
Bryan, Texas
Water Plan and Profile - 21st Street

CONTRACT NO. 600059

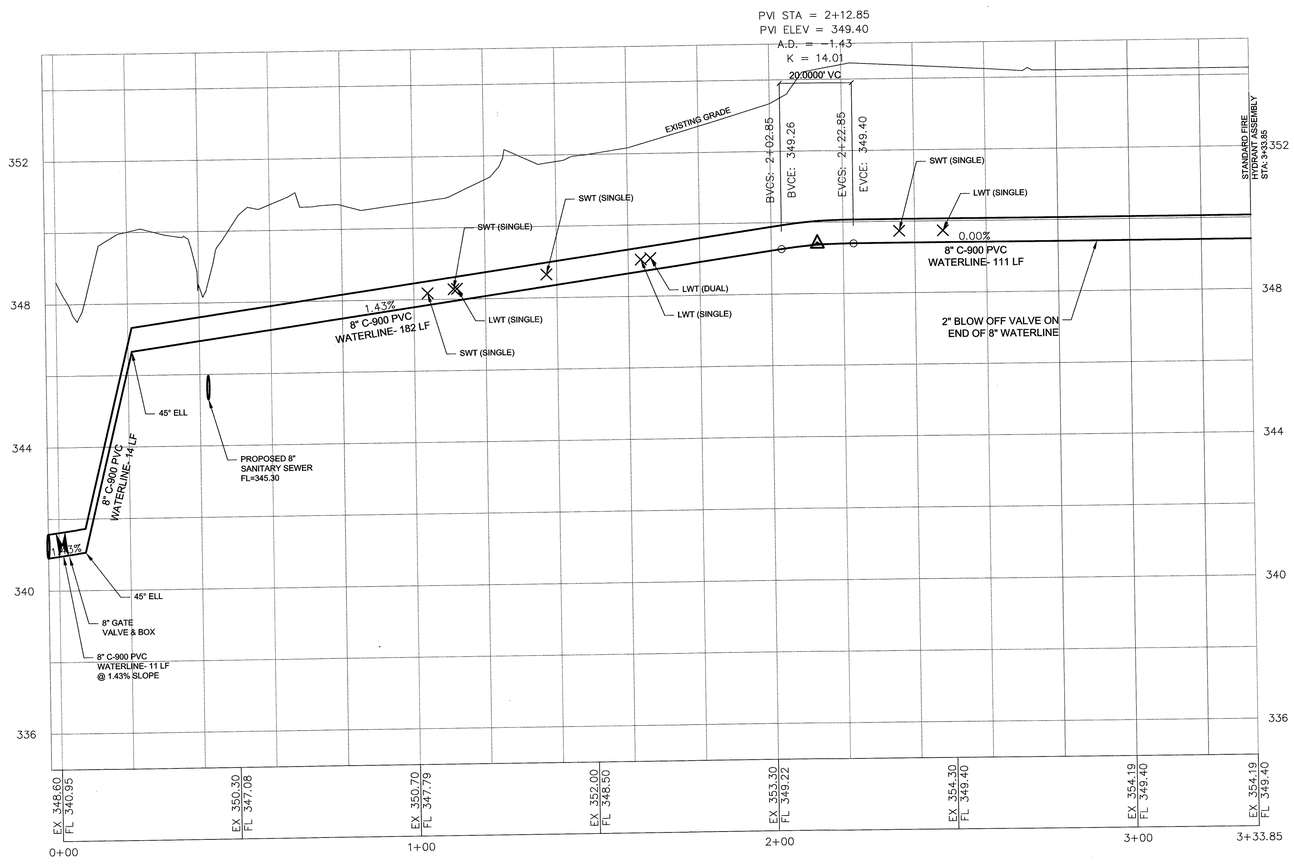
SHEET NO.

C3.4



1"=20'-0" | 2

Pruitt Street - Water Plan



APPROXIMATE QUANTITY TABLE		
NO.	ITEM	AMOUNT THIS VIEW
1	8" C-900 PVC WATERLINE	334 LF
2	8" GATE VALVE & BOX	1 LOC
3	WATER SERVICE LINE	178 LF
4	TEMPORARY PAVEMENT REPAIR	24 LF
5	ASPHALT PAVEMENT REPAIR	66 LF
6	GRAVEL PAVEMENT REPAIR	31 LF
7	SHORT (SINGLE) WATER SERVICE TRANSFER	4 LOC
8	LONG (SINGLE) WATER SERVICE TRANSFER	2 LOC
9	LONG (DUAL) WATER SERVICE TRANSFER	1 LOC
10	2" BLOW OFF VALVE ON END OF 8" WATERLINE	1 LOC

Horizontal 1"=20'-0", Vertical 1"=2'-0" | 1

Pruitt Street - Water Profile

NO.	DATE	ISSUED FOR
1	12/10	Review
2	3/11	Review
3	7/1/11	Bid

D:\600\600059\600059-C3.1-C3.5-Water Plan.dwg – June 29, 2011 – 9:46am

GOODWIN-LASITER, INC
ENGINEERS - ARCHITECTS
SURVEYORS
TBPE FIRM REGISTRATION #413
1609 S. CHESTNUT ST., SUITE 202 ■ LUFKIN, TEXAS 75901 ■ (936) 637-4900 ■ admin@goodwinlasiter.com
3600 STATE HWY. 6 SOUTH., SUITE 102 ■ COLLEGE STATION, TEXAS 77845 ■ (979) 696-6767 ■ cstn@goodwinlasiter.com

©2001 ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. ALL INFORMATION, DATA, DESIGNS, PLANS, OR SPECIFICATIONS ARE THE PROPERTY OF GOODWIN-LASITER, INC.

DRAWN BY: DOC | APPV'D BY: JR | PLOT SCALE: 1:1

STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

Parker Avenue - Phase II Reconstruction

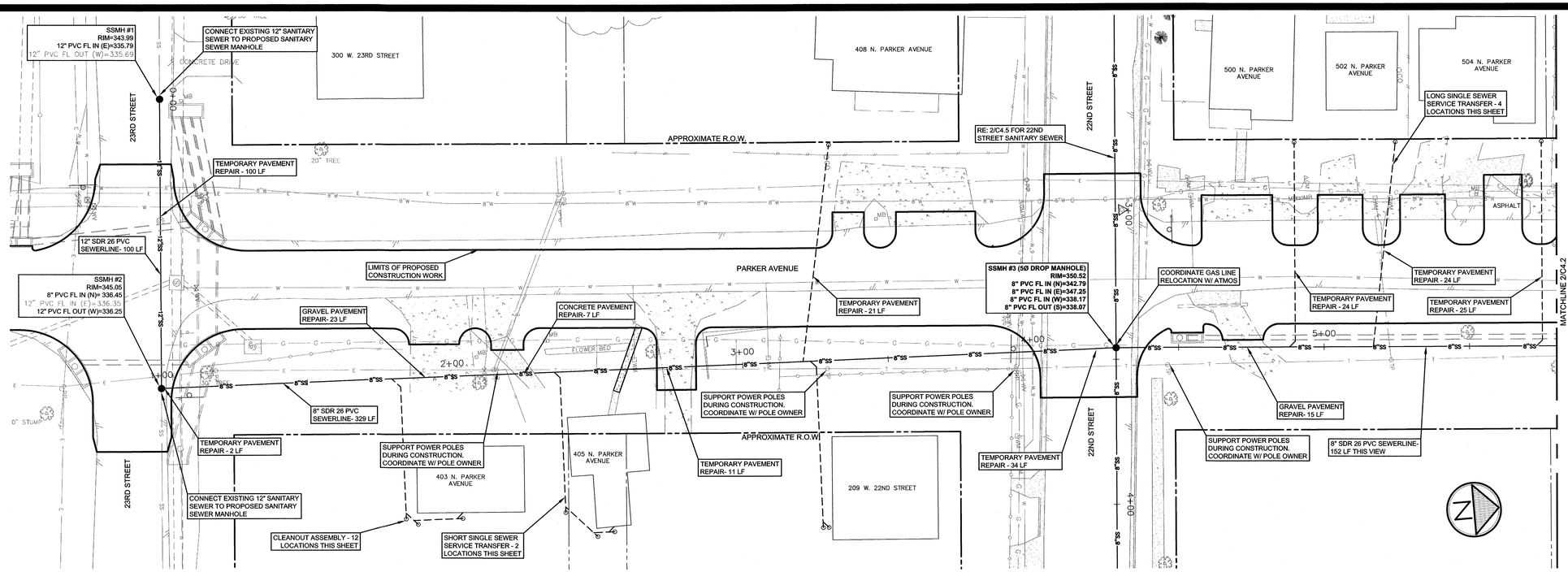
City of Bryan
Bryan, Texas

Water Plan and Profile - Pruitt Street

CONTRACT NO. 600059

SHEET NO.

C3.5

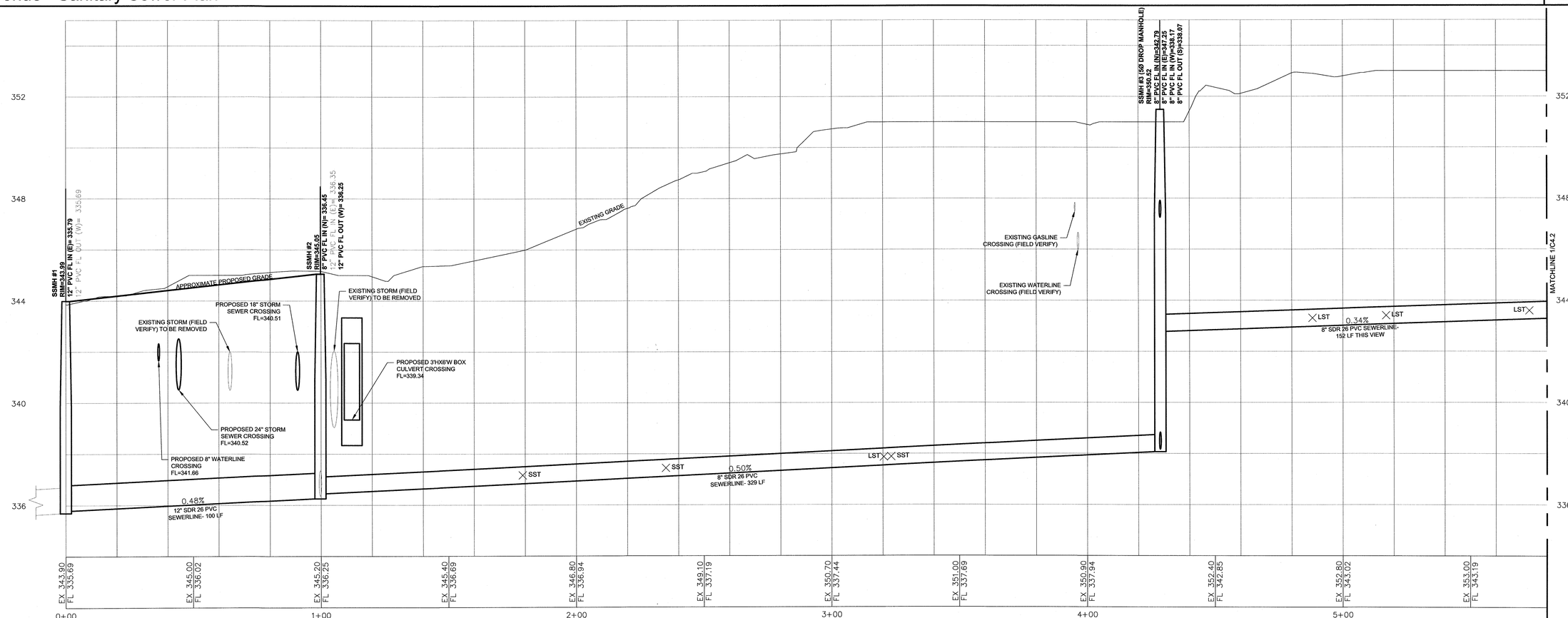


Parker Avenue - Sanitary Sewer Plan

1"=20'-0" | 2

APPROXIMATE QUANTITY TABLE		
NO.	ITEM	AMOUNT THIS VIEW
1	8" SDR 26 PVC SEWERLINE	481 LF
2	12" SDR 26 PVC SEWERLINE	100 LF
3	SANITARY SEWER MANHOLE	2 EA
4	CLEANOUT ASSEMBLY	12 LOC
5	TEMPORARY PAVEMENT REPAIR	241 LF
6	LONG SINGLE SEWER SERVICE TRANSFER	4 LOC
7	SHORT SINGLE SEWER SERVICE TRANSFER	2 LOC
8	4" SANITARY SEWER SERVICE LINE	500 LF
9	CONNECT EXISTING 12" SANITARY SEWER TO PROPOSED SANITARY SEWER MANHOLE	2 LOC
10	GRAVEL PAVEMENT REPAIR	38 LF
11	CONCRETE PAVEMENT REPAIR	7 LF
12	SANITARY SEWER DROP MANHOLE	1 EA

NOTES (TYPICAL ALL SHEETS):
1. SANITARY SEWER SERVICE LINES TO AVOID BEING PLACED BENEATH CONCRETE AND/OR ASPHALT PAVEMENT.
2. WATER METERS SHALL BE RELOCATED AS NEEDED SO THAT THEY ARE NOT ON TOP OF NEW SEWER SERVICES. METERS SHALL BE A MINIMUM OF 2' CLEAR OF SERVICE LINE.



Parker Avenue - Sanitary Sewer Profile

Horizontal 1"=20'-0", Vertical 1"=2'-0" | 1

NO.	DATE	ISSUED FOR
1	12/10	Review
2	3/1/11	Review
3	7/1/11	Bid

D:\600\600059\600059-C4.1-C4.6-Sanitary Sewer Plan.dwg – June 29, 2011 – 2:00c

GOODWIN-LASITER, INC
ENGINEERS - ARCHITECTS
SURVEYORS
TBPE FIRM# REGISTRATION #4413
1609 S. CHESTNUT ST., SUITE 202 ■ LUFKIN, TEXAS 75901 ■ (936) 637-4300 ■ admin@goodwinlasiter.com
3600 STATE HWY. 6 SOUTH., SUITE 102 ■ COLLEGE STATION, TEXAS 77845 ■ (979) 696-6767 ■ cs@goodwinlasiter.com

©2011 ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT FROM GOODWIN-LASITER, INC.

PLOT SCALE: 1:1 | DRAWN BY: DKE | APPV'D BY: JJR

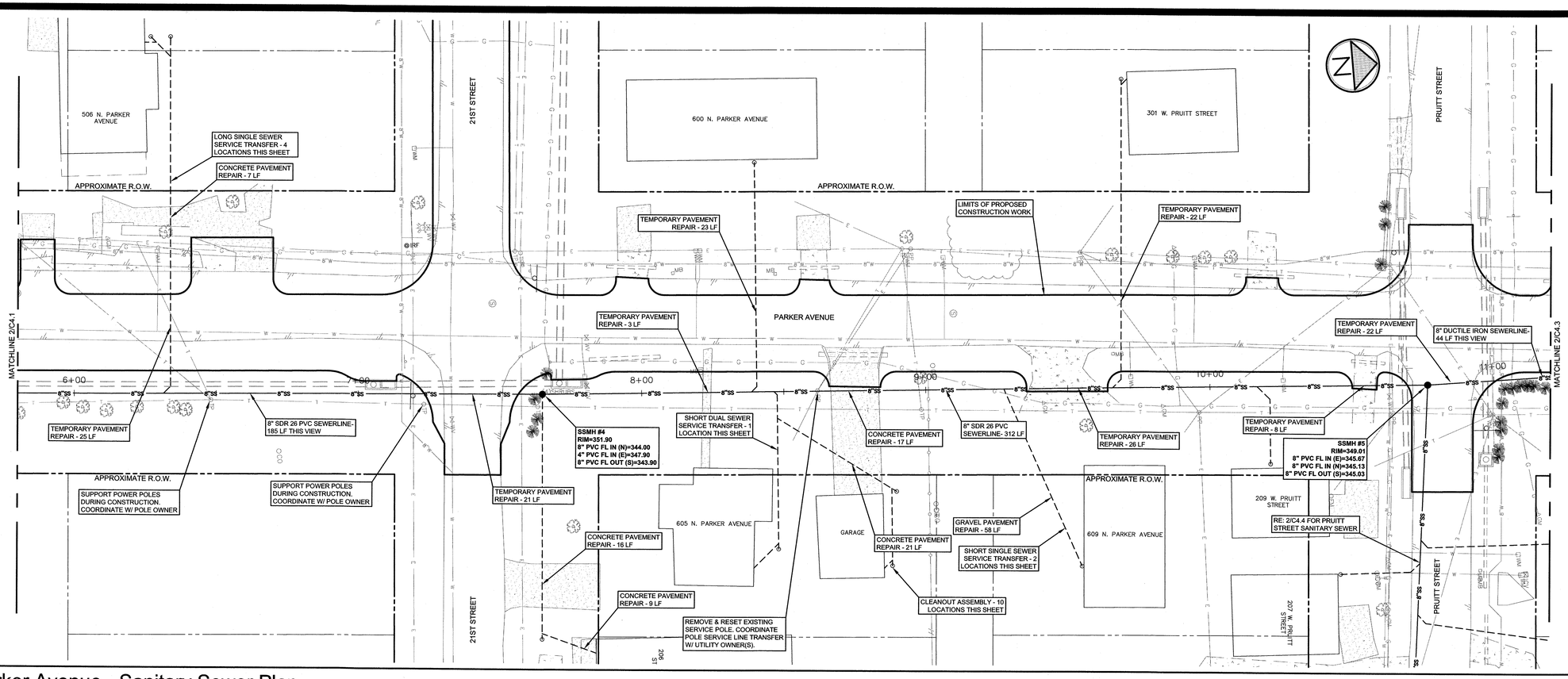
STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

Parker Avenue - Phase II Reconstruction
City of Bryan
Bryan, Texas
Sanitary Sewer Plan and Profile

CONTRACT NO. 600059

SHEET NO.

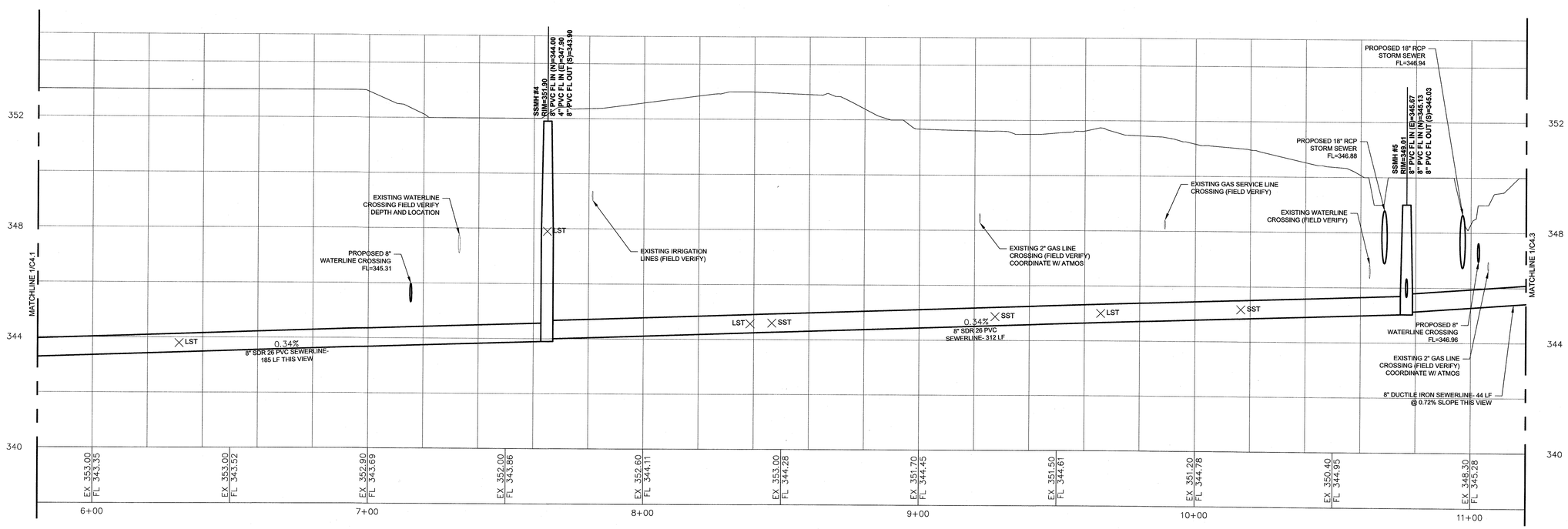
C4.1



APPROXIMATE QUANTITY TABLE		
NO.	ITEM	AMOUNT THIS VIEW
1	8" SDR 26 PVC SEWERLINE	497 LF
2	SANITARY SEWER MANHOLE	2 EA
3	CLEANOUT ASSEMBLY	10 LOC
4	TEMPORARY PAVEMENT REPAIR	150 LF
5	LONG SINGLE SEWER SERVICE TRANSFER	4 LOC
6	SHORT SINGLE SEWER SERVICE TRANSFER	2 LOC
7	4" SANITARY SEWER SERVICE LINE	690 LF
8	GRAVEL PAVEMENT REPAIR	58 LF
9	CONCRETE PAVEMENT REPAIR	70 LF
10	SHORT DUAL SEWER SERVICE TRANSFER	1 LOC
11	8" DUCTILE IRON SEWERLINE	44 LF

Parker Avenue - Sanitary Sewer Plan

1"=20'-0" | 2



Parker Avenue - Sanitary Sewer Profile

Horizontal 1"=20'-0", Vertical 1"=2'-0" | 1

NO.	DATE	ISSUED FOR
1	12/10	Review
2	3/11	Review
3	7/1/11	Bid

GOODWIN-LASITER, INC
ENGINEERS - ARCHITECTS
SURVEYORS
TBPE FIRM REGISTRATION #413
1609 S. CHESTNUT ST., SUITE 202 • LUFKIN, TEXAS 75901 • (936) 637-4900 • admin@goodwinlasiter.com
3600 STATE HWY. 6 SOUTH., SUITE 102 • COLLEGE STATION, TEXAS 77845 • (979) 696-6767 • cteix@goodwinlasiter.com

©2011 ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT FROM GOODWIN-LASITER, INC.

D:\600\600059\600059-C4.1-C4.6-Sanitary Sewer Plan.dwg - June 29, 2011 - 2:10a

DRAWN BY: DKE | APPVD BY: JRT | PLOT SCALE: 1:1

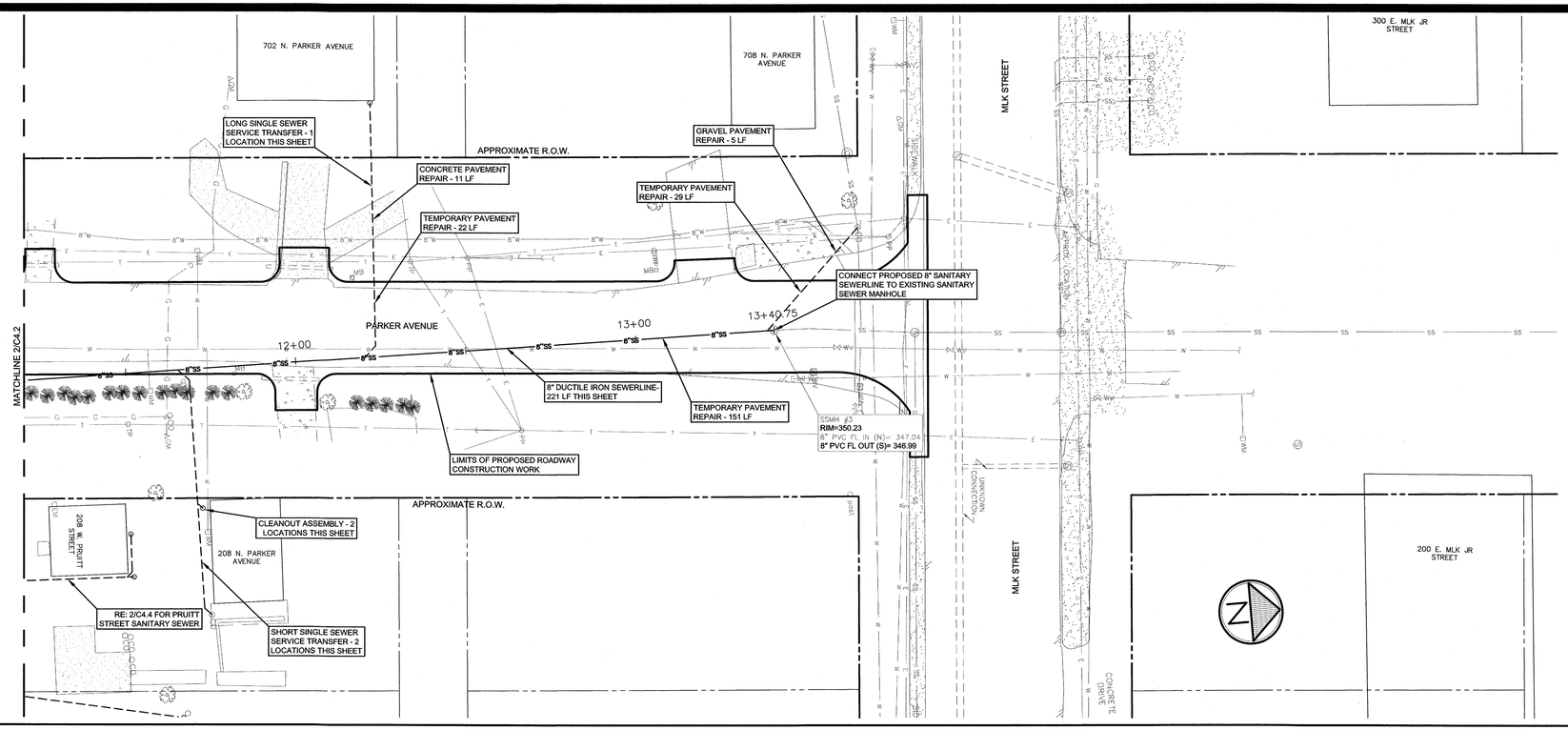
STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

Parker Avenue - Phase II Reconstruction
City of Bryan
Bryan, Texas
Sanitary Sewer Plan and Profile

CONTRACT NO. 600059

SHEET NO.

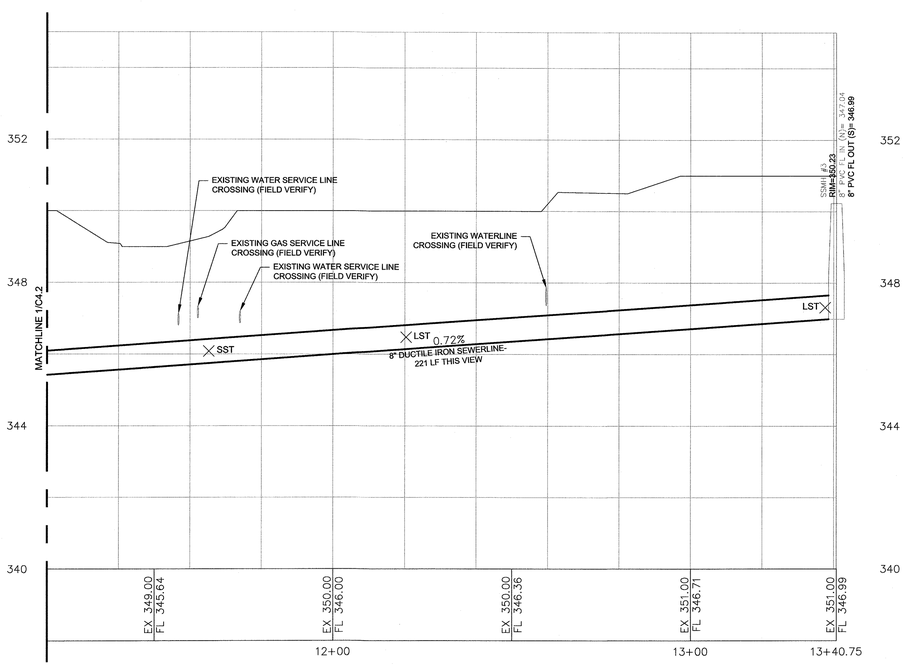
C4.2



APPROXIMATE QUANTITY TABLE		
NO.	ITEM	AMOUNT THIS VIEW
1	8" DUCTILE IRON SEWERLINE	221 LF
2	CLEANOUT ASSEMBLY	2 LOC
3	TEMPORARY PAVEMENT REPAIR	202 LF
4	LONG SINGLE SEWER SERVICE TRANSFER	1 LOC
5	SHORT SINGLE SEWER SERVICE TRANSFER	2 LOC
6	4" SANITARY SEWER SERVICE LINE	193 LF
7	CONNECT PROPOSED 8" SANITARY SEWERLINE TO EXISTING SANITARY SEWER MANHOLE	1 LOC
8	CONCRETE PAVEMENT REPAIR	11 LF
9	GRAVEL PAVEMENT REPAIR	5 LF

Parker Avenue - Sanitary Sewer Plan

1"=20'-0" | 2



Parker Avenue - Sanitary Sewer Profile

Horizontal 1"=20'-0", Vertical 1"=2'-0" | 1

NO.	DATE	ISSUED FOR
1	12/10	Review
2	3/11	Review
3	7/1/11	Bid

D:\600\600059\600059-C4.1-C4.6-Sanitary Sewer Plan.dwg – June 29, 2011 –

GOODWIN-LASITER, INC
ENGINEERS • ARCHITECTS
SURVEYORS
TBPE FIRM REGISTRATION #413
1609 S. CHESTNUT ST., SUITE 202 • LUFKIN, TEXAS 75901 • (936) 637-4900 • admin@goodwinlasiter.com
3600 STATE HWY. 6 SOUTH, SUITE 102 • COLLEGE STATION, TEXAS 77845 • (979) 696-6767 • ctexas@goodwinlasiter.com

©2011 ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT FROM GOODWIN-LASITER, INC.

DRAWN BY: JPR | APPV'D BY: JPR | PLOT SCALE: 1:1 | DATE:

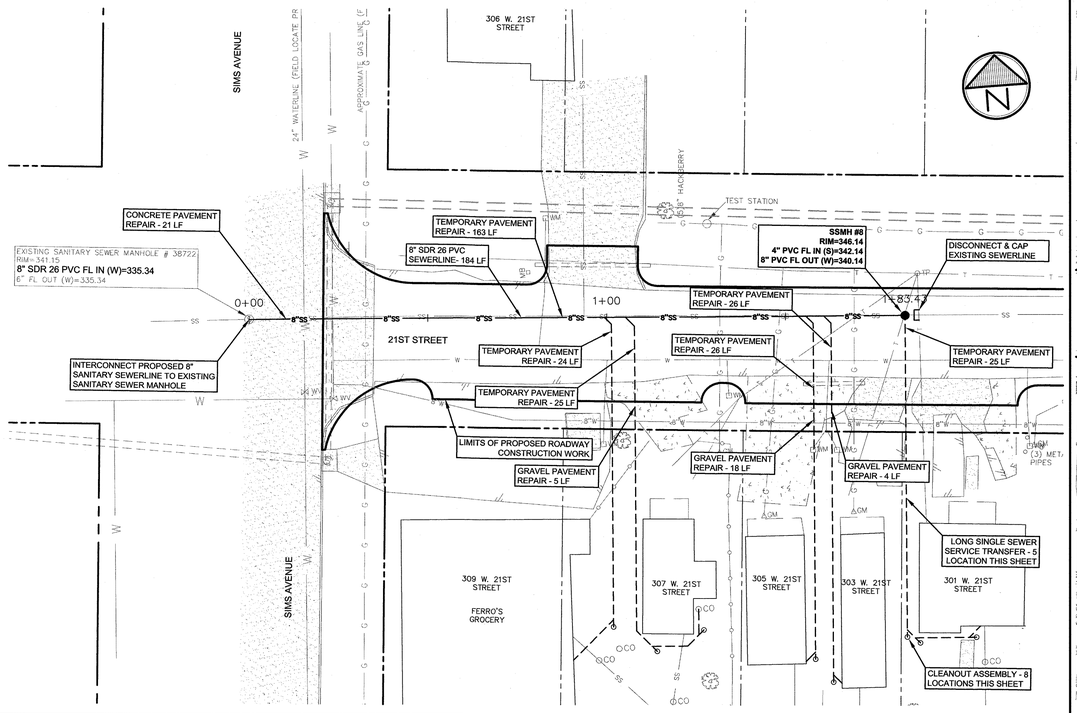
STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

Parker Avenue - Phase II Reconstruction
City of Bryan
Bryan, Texas
Sanitary Sewer Plan and Profile

CONTRACT NO. 600059

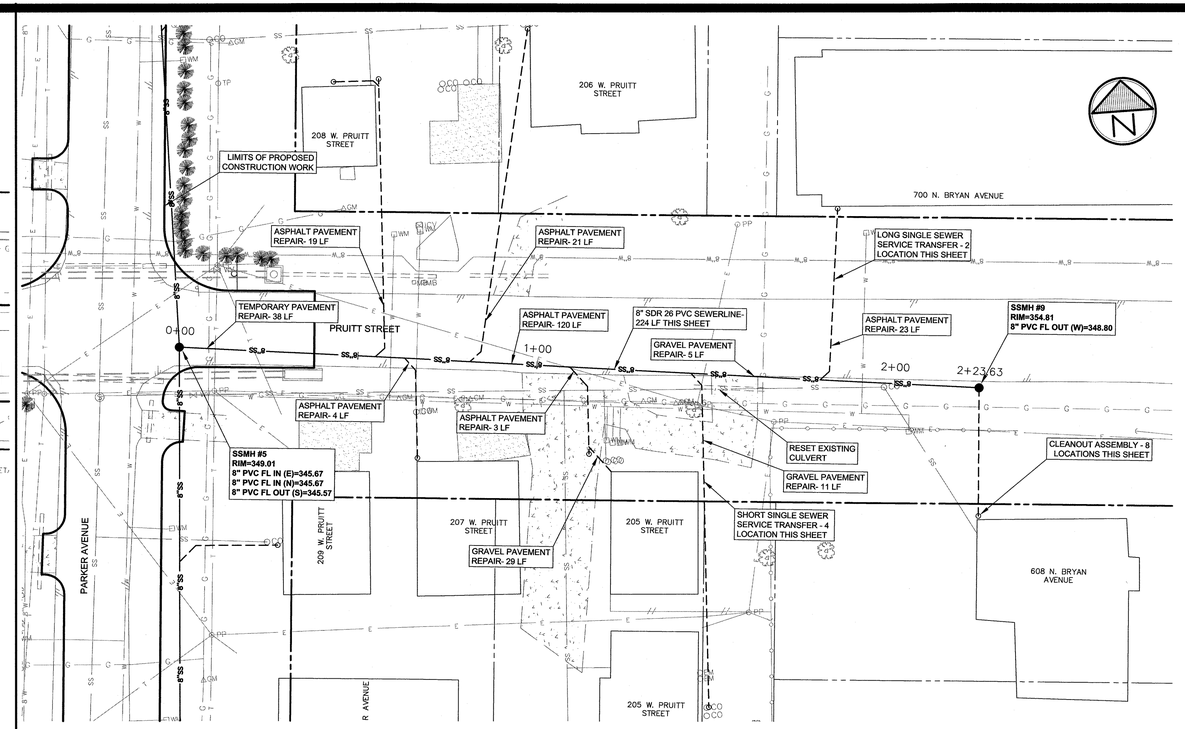
SHEET NO.

C4.3



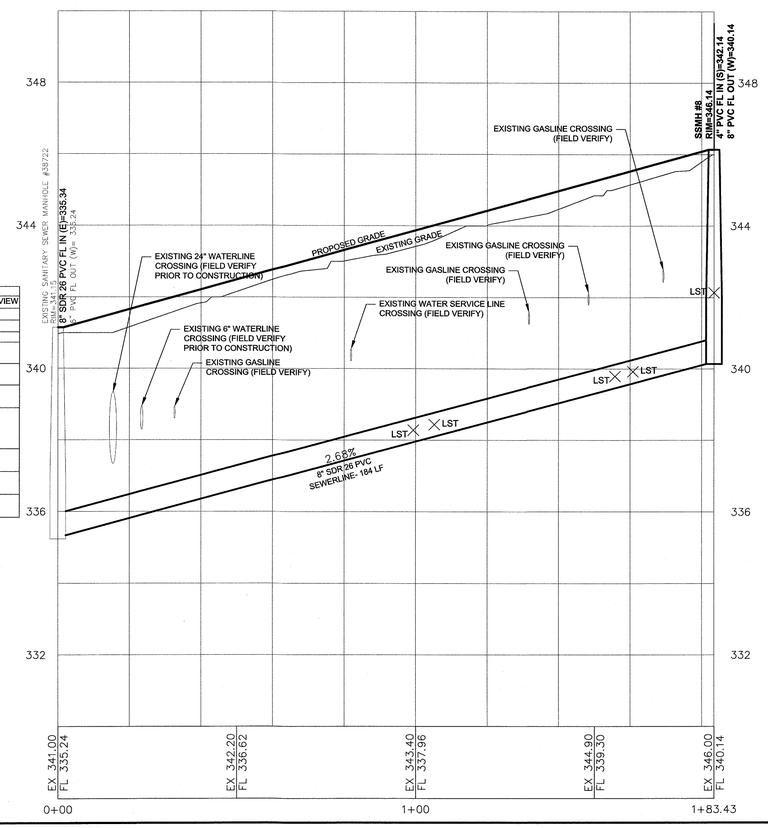
21st Street - Sanitary Sewer Plan

1"=20'-0" | 4



Pruitt Street - Sanitary Sewer Plan

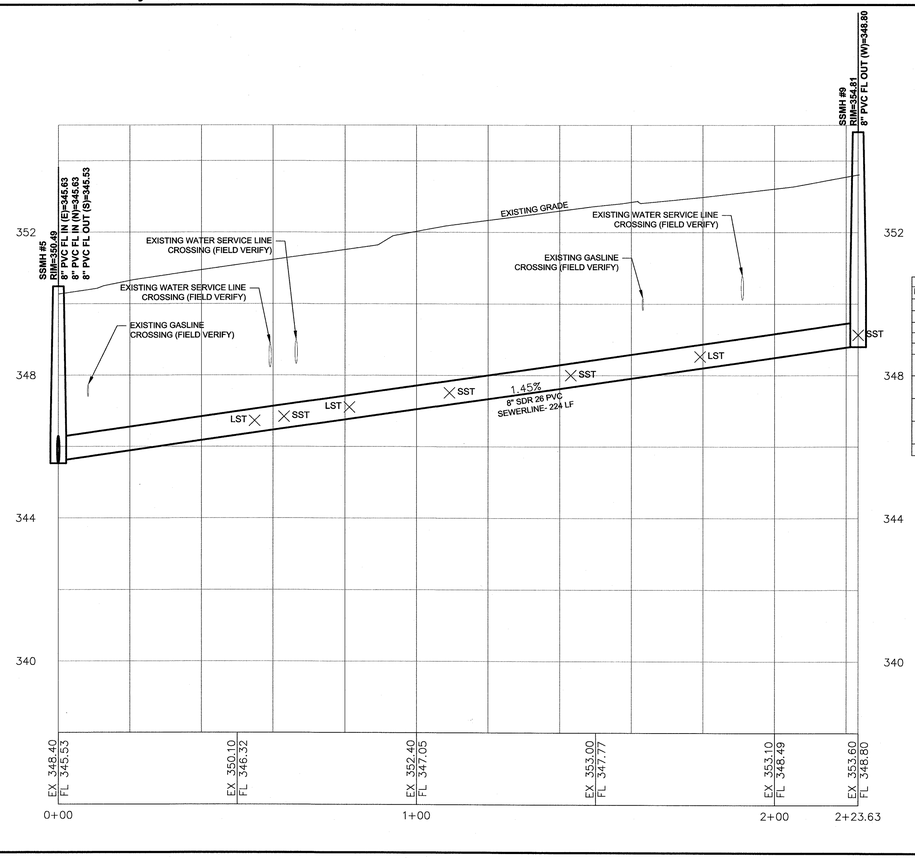
1"=20'-0" | 2



APPROXIMATE QUANTITY TABLE		
NO.	ITEM	AMOUNT THIS VIEW
1	8" SDR 26 PVC SEWERLINE	184 LF
2	SANITARY SEWER MANHOLE	1 EA
3	CLEANOUT ASSEMBLY	8 LOC
4	TEMPORARY PAVEMENT REPAIR	289 LF
5	LONG SINGLE SEWER SERVICE TRANSFER	5 LOC
6	4" SANITARY SEWER SERVICE LINE	548 LF
7	CONNECT PROPOSED 8" SANITARY SEWERLINE TO EXISTING SANITARY SEWER MANHOLE	1 LOC
8	CONCRETE PAVEMENT REPAIR	21 LF
9	GRAVEL PAVEMENT REPAIR	27 LF
10	DISCONNECT & CAP EXISTING SEWERLINE	1 LOC

21st Street - Sanitary Sewer Profile

Horizontal 1"=20'-0", Vertical 1"=2'-0" | 3



APPROXIMATE QUANTITY TABLE		
NO.	ITEM	AMOUNT THIS VIEW
1	8" SDR 26 PVC SEWERLINE	224 LF
2	SANITARY SEWER MANHOLE	1 EA
3	CLEANOUT ASSEMBLY	8 LOC
4	GRAVEL PAVEMENT REPAIR	46 LF
5	ASPHALT PAVEMENT REPAIR	190 LF
6	LONG SINGLE SEWER SERVICE TRANSFER	3 LOC
7	SHORT SINGLE SEWER SERVICE TRANSFER	4 LOC
8	4" SANITARY SEWER SERVICE LINE	432 LF
9	TEMPORARY PAVEMENT REPAIR	38 LF
10	RESET EXISTING CULVERT	1 LOC

Pruitt Street - Sanitary Sewer Profile

Horizontal 1"=20'-0", Vertical 1"=2'-0" | 1

NO.	DATE	ISSUED FOR
1	12/10	Review
2	3/11	Review
3	7/1/11	Bid

GOODWIN-LASITER, INC
ENGINEERS - ARCHITECTS
SURVEYORS
TBPE FIRM REGISTRATION #413
1609 S. CHESTNUT ST., SUITE 202 • LUFKIN, TEXAS 75901 • (936) 637-4900 • admin@goodwinlasiter.com
3600 STATE HWY. 6 SOUTH., SUITE 102 • COLLEGE STATION, TEXAS 77845 • (979) 696-6767 • ctexas@goodwinlasiter.com

©2011 ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT FROM GOODWIN-LASITER, INC.

D:\600\600059\600059-C4.1-C4.6-Sanitary Sewer Plan.dwg – June 29, 2011 – 2:22c

SCALE	DRAWN BY:	APPVD BY:
1:1	DKE	JRR

STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

Parker Avenue - Phase II Reconstruction

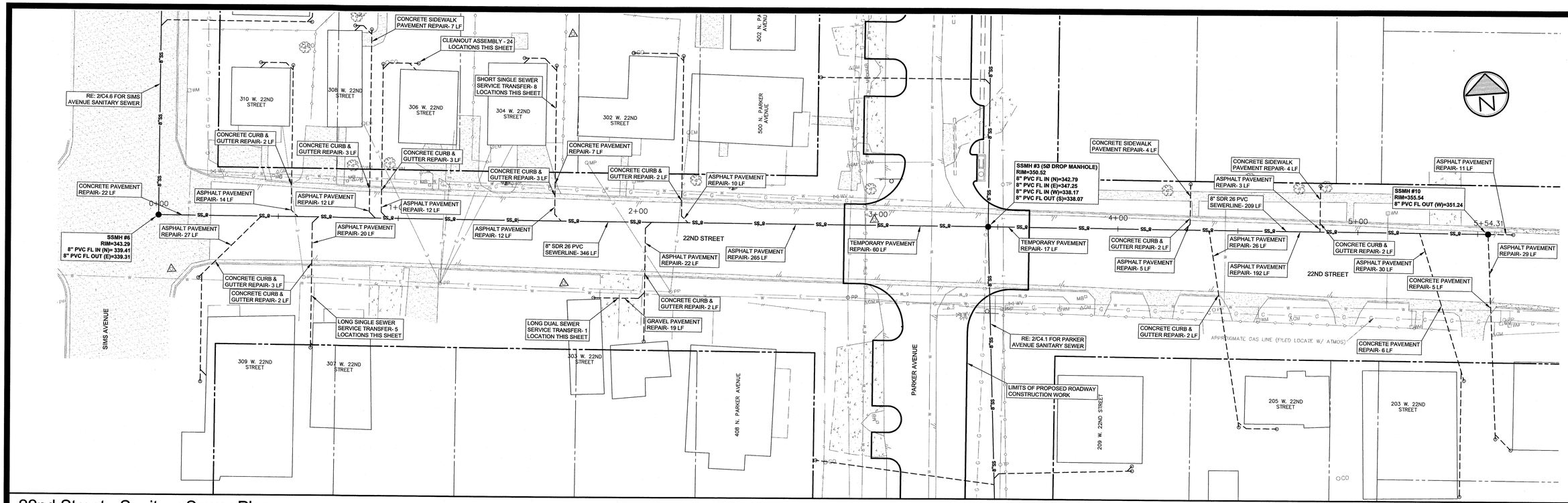
City of Bryan
Bryan, Texas

Sanitary Sewer Plan and Profile

CONTRACT NO. 600059

SHEET NO.

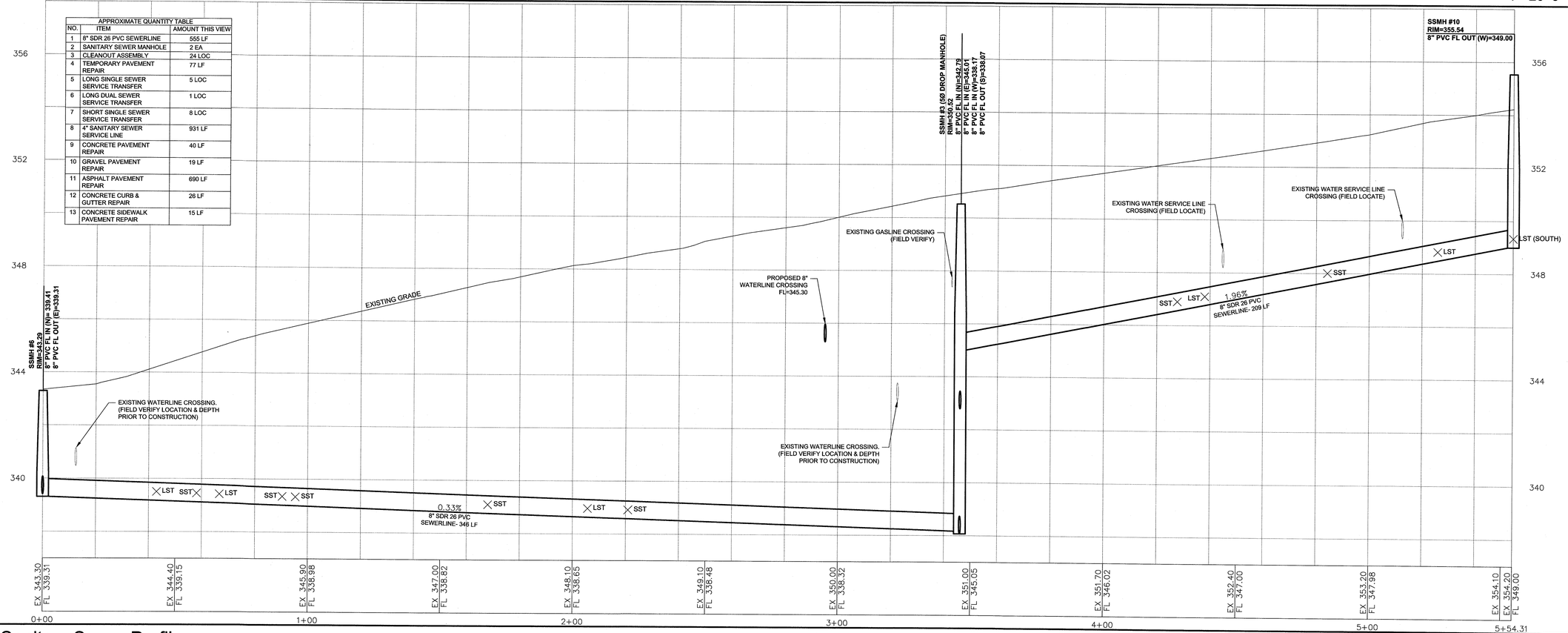
C4.4



22nd Street - Sanitary Sewer Plan

1"=20'-0" | 2

APPROXIMATE QUANTITY TABLE		
NO.	ITEM	AMOUNT THIS VIEW
1	8" SDR 26 PVC SEWERLINE	555 LF
2	SANITARY SEWER MANHOLE	2 EA
3	CLEANOUT ASSEMBLY	24 LOC
4	TEMPORARY PAVEMENT REPAIR	77 LF
5	LONG SINGLE SEWER SERVICE TRANSFER	5 LOC
6	LONG DUAL SEWER SERVICE TRANSFER	1 LOC
7	SHORT SINGLE SEWER SERVICE TRANSFER	8 LOC
8	4" SANITARY SEWER SERVICE LINE	931 LF
9	CONCRETE PAVEMENT REPAIR	40 LF
10	GRAVEL PAVEMENT REPAIR	19 LF
11	ASPHALT PAVEMENT REPAIR	690 LF
12	CONCRETE CURB & GUTTER REPAIR	26 LF
13	CONCRETE SIDEWALK PAVEMENT REPAIR	15 LF



22nd Street - Sanitary Sewer Profile

Horizontal 1"=20'-0" Vertical 1"=2'-0" | 1

NO.	DATE	ISSUED FOR
1	12/10	Review
2	3/11	Review
3	7/1/11	Bid

D:\600\600059\600059-C4.1-C4.6-Sanitary Sewer Plan.dwg - June 29, 2011 - 7:29

GOODWIN-LASITER, INC
ENGINEERS - ARCHITECTS
SURVEYORS
TBPE FIRM REGISTRATION #413
1609 S. CHESTNUT ST., SUITE 202 • LUFKIN, TEXAS 75901 • (936) 637-4900 • admin@goodwinlasiter.com
3600 STATE HWY. 6 SOUTH, SUITE 102 • COLLEGE STATION, TEXAS 77845 • (979) 696-6767 • ctex@goodwinlasiter.com

©2011 ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT FROM GOODWIN-LASITER, INC.

DRAWN BY: DKE | APPVD BY: JRT | PLOT SCALE: 1:1

STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

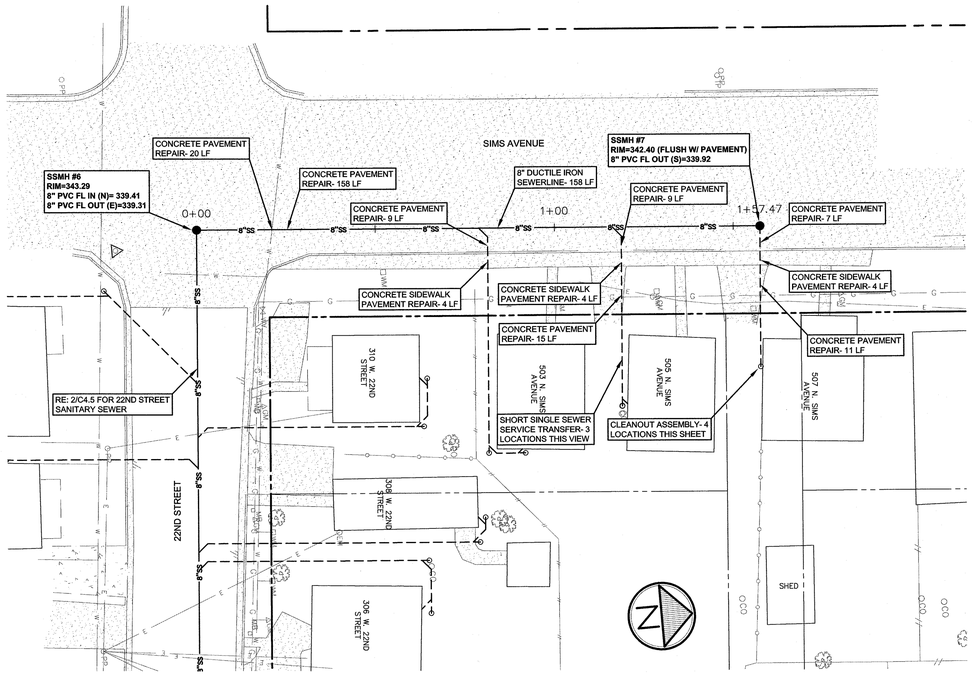
Parker Avenue - Phase II Reconstruction

City of Bryan
Bryan, Texas

Sanitary Sewer Plan and Profile

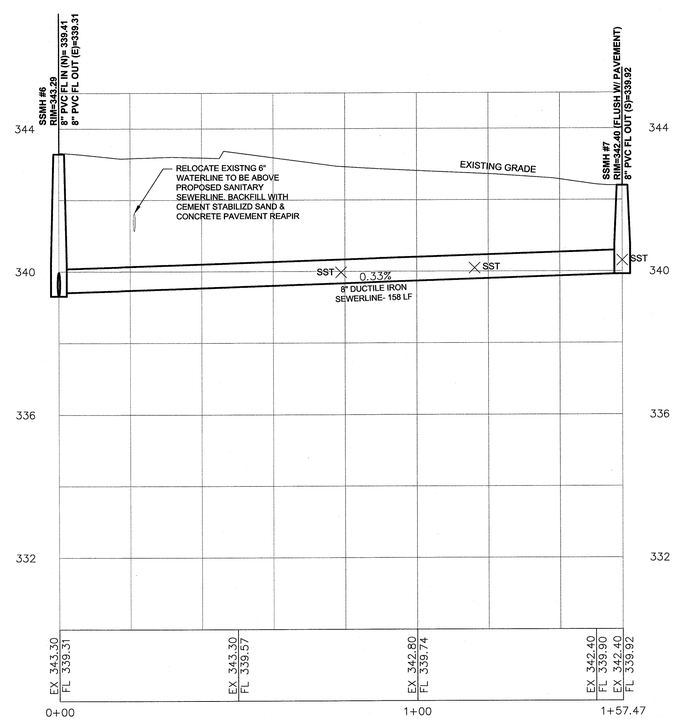
CONTRACT NO. 600059

SHEET NO. C4.5



APPROXIMATE QUANTITY TABLE		
NO.	ITEM	AMOUNT THIS VIEW
1	8" DUCTILE IRON SEWERLINE	158 LF
2	SANITARY SEWER MANHOLE	1 EA
3	CLEANOUT ASSEMBLY	4 LOC
4	SHORT SINGLE SEWER SERVICE TRANSFER	3 LOC
5	4" SANITARY SEWER SERVICE LINE	169 LF
6	CONCRETE PAVEMENT REPAIR	229 LF
7	CONCRETE SIDEWALK PAVEMENT REPAIR	12 LF

Sims Avenue - Sanitary Sewer Plan 1"=20'-0" 2



Sims Avenue - Sanitary Sewer Profile Horizontal 1"=20'-0", Vertical 1"=2'-0" 1

NO.	DATE	ISSUED FOR
1	12/10	Review
2	3/11	Review
3	7/1/11	Bid

GOODWIN-LASITER, INC
ENGINEERS - ARCHITECTS
SURVEYORS
TBPE FIRM REGISTRATION #4113
1609 S. CHESTNUT ST., SUITE 202 ■ LUFKIN, TEXAS 75901 ■ (936) 637-4900 ■ admin@goodwinlasiter.com
3600 STATE HWY. 6 SOUTH., SUITE 102 ■ COLLEGE STATION, TEXAS 77845 ■ (979) 696-6767 ■ cte@goodwinlasiter.com

COPYRIGHT: ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT FROM GOODWIN-LASITER, INC.

D:\600\600059\600059-C4.1-C4.6-Sanitary Sewer Plan.dwg - June 29, 2011 -

DRAWN BY:	APPV'D BY:	PLOT SCALE:
DKE	JR	1:1

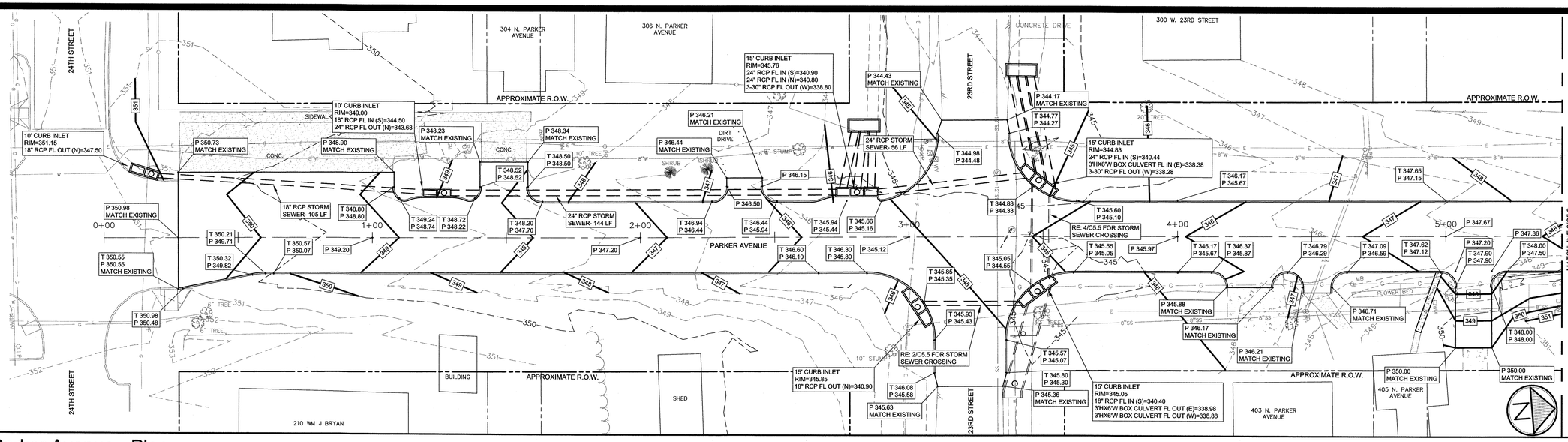
STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

Parker Avenue - Phase II Reconstruction
City of Bryan
Bryan, Texas
Sanitary Sewer Plan and Profile

CONTRACT NO. 600059

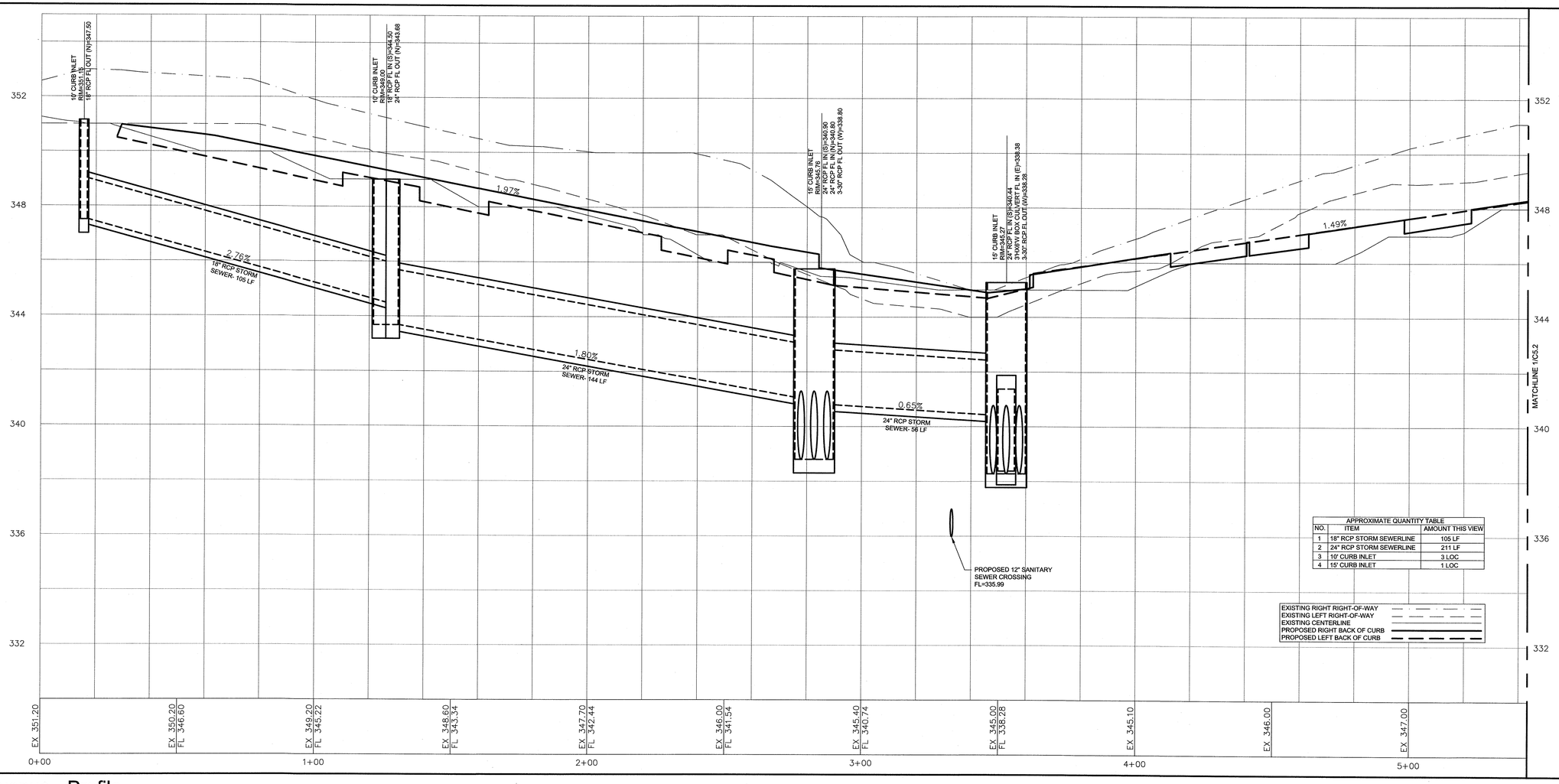
SHEET NO.

C4.6



Parker Avenue - Plan

1"=20'-0" | 2



APPROXIMATE QUANTITY TABLE		
NO.	ITEM	AMOUNT THIS VIEW
1	18" RCP STORM SEWERLINE	105 LF
2	24" RCP STORM SEWERLINE	211 LF
3	10' CURB INLET	3 LOC
4	15' CURB INLET	1 LOC

EXISTING RIGHT RIGHT-OF-WAY
EXISTING LEFT RIGHT-OF-WAY
EXISTING CENTERLINE
PROPOSED RIGHT BACK OF CURB
PROPOSED LEFT BACK OF CURB

Parker Avenue - Profile

Horizontal 1"=20'-0", Vertical 1"=2'-0" | 1

NO.	DATE	ISSUED FOR
1	12/10	Review
2	3/11	Review
3	7/1/11	Bid

GOODWIN-LASITER, INC
ENGINEERS • ARCHITECTS
SURVEYORS
TBPE FIRM REGISTRATION #413
1609 S. CHESTNUT ST., SUITE 202 • LUFKIN, TEXAS 75901 • (936) 637-4900 • admin@goodwinlasiter.com
3600 STATE HWY. 6 SOUTH., SUITE 102 • COLLEGE STATION, TEXAS 77845 • (979) 696-0767 • clark@goodwinlasiter.com

©2011 ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT FROM GOODWIN-LASITER, INC.

D:\600\600059\600059-C5.1-C5.6-Plan Profile.dwg – June 29, 2011 – 11:31am

DRAWN BY: DKE | APPROVED BY: JJR | PLOT SCALE: 1:1

STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

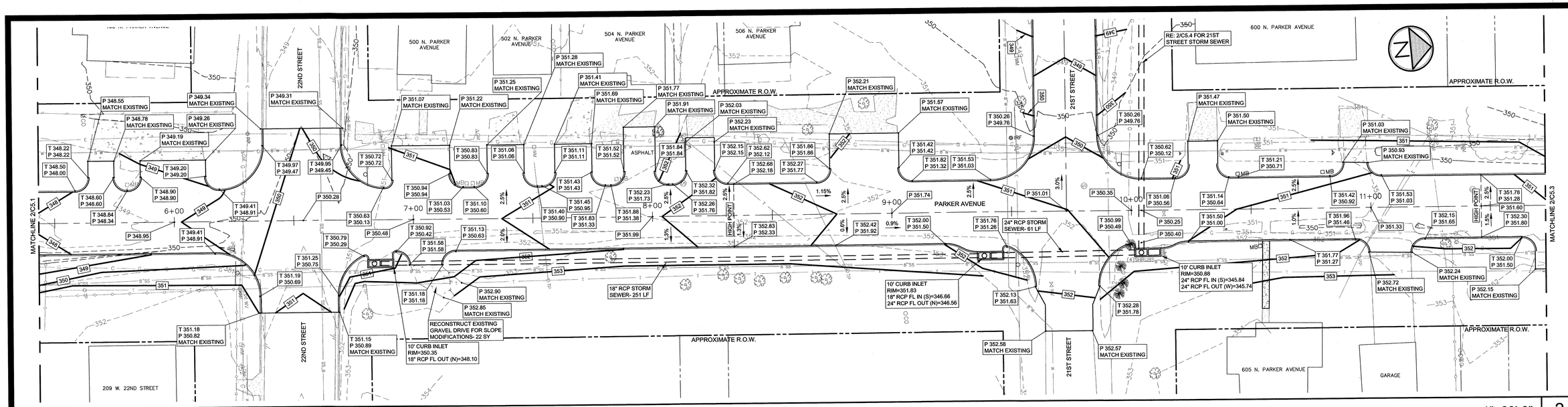
Parker Avenue - Phase II Reconstruction

City of Bryan
Bryan, Texas
Plan/Profile Sta: 0+00 - 5+43.32

CONTRACT NO. 600059

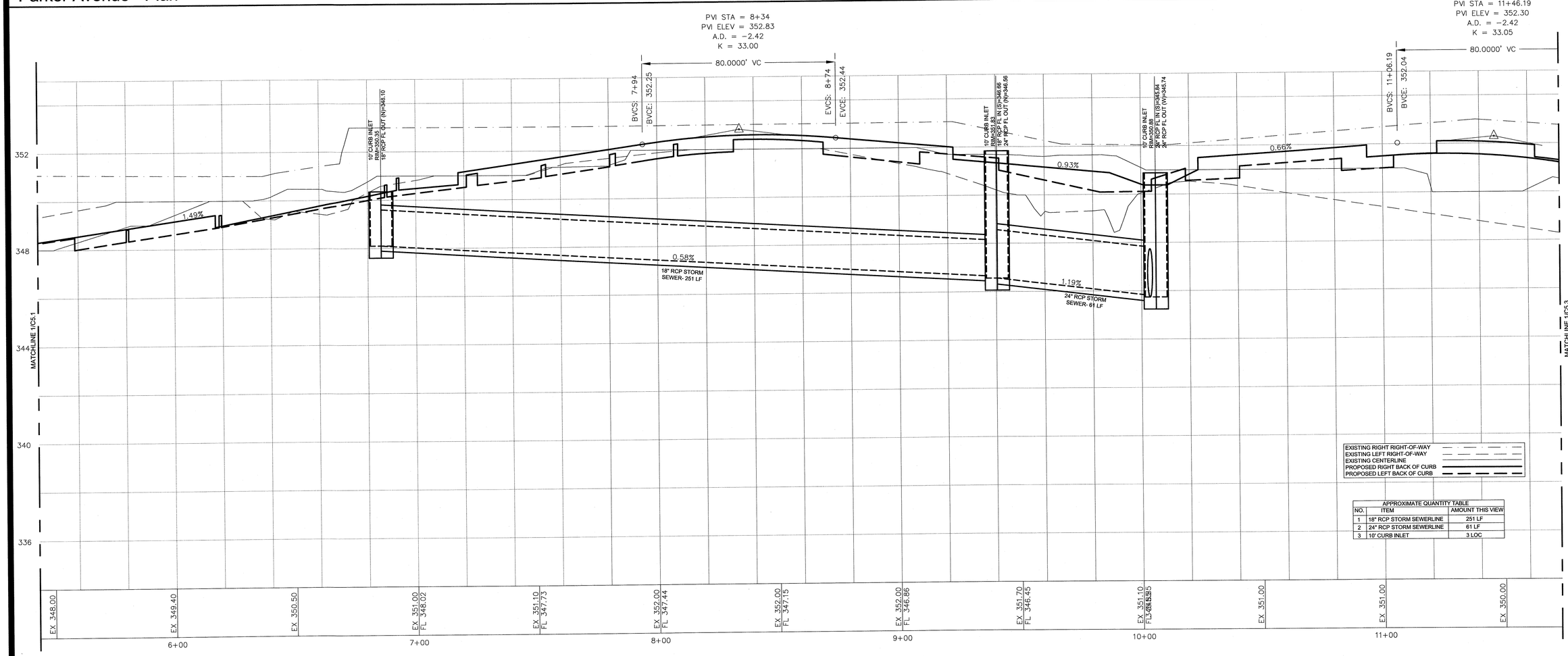
SHEET NO.

C5.1



Parker Avenue - Plan

1"=20'-0" | 2



APPROXIMATE QUANTITY TABLE

NO.	ITEM	AMOUNT THIS VIEW
1	18" RCP STORM SEWERLINE	251 LF
2	24" RCP STORM SEWERLINE	61 LF
3	10' CURB INLET	3 LOC

Parker Avenue - Profile

Horizontal 1"=20'-0", Vertical 1"=2'-0" | 1

NO.	DATE	ISSUED FOR
1	12/10	Review
2	3/11	Review
3	7/1/11	Bid

GOODWIN-LASITER, INC
ENGINEERS - ARCHITECTS
SURVEYORS
TBPE FIRM REGISTRATION #413
1609 S. CHESTNUT ST., SUITE 202 ■ LUFKIN, TEXAS 75901 ■ (936) 637-4900 ■ admin@goodwinlaiter.com
3600 STATE HWY. 6 SOUTH., SUITE 102 ■ COLLEGE STATION, TEXAS 77845 ■ (979) 696-6767 ■ clex@goodwinlaiter.com

D:\600\600059\600059-C5.1-C5.6-Plan Profile.dwg – June 29, 2011 – 1:54pm

©2011 ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT FROM GOODWIN-LASITER, INC.

DRAWN BY: DKE | APPV'D BY: JJR | PLOT SCALE: 1:1

STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

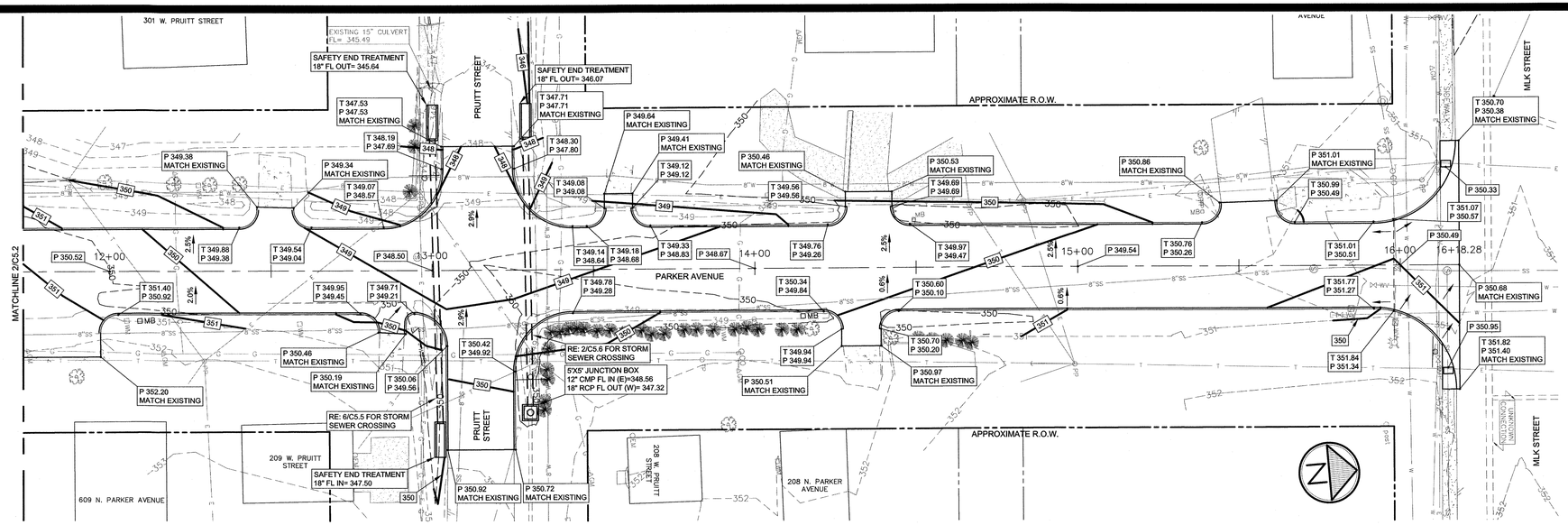
Parker Avenue - Phase II Reconstruction

City of Bryan
Bryan, Texas
Plan/Profile Sta: 5+43.32 - 11+73.13

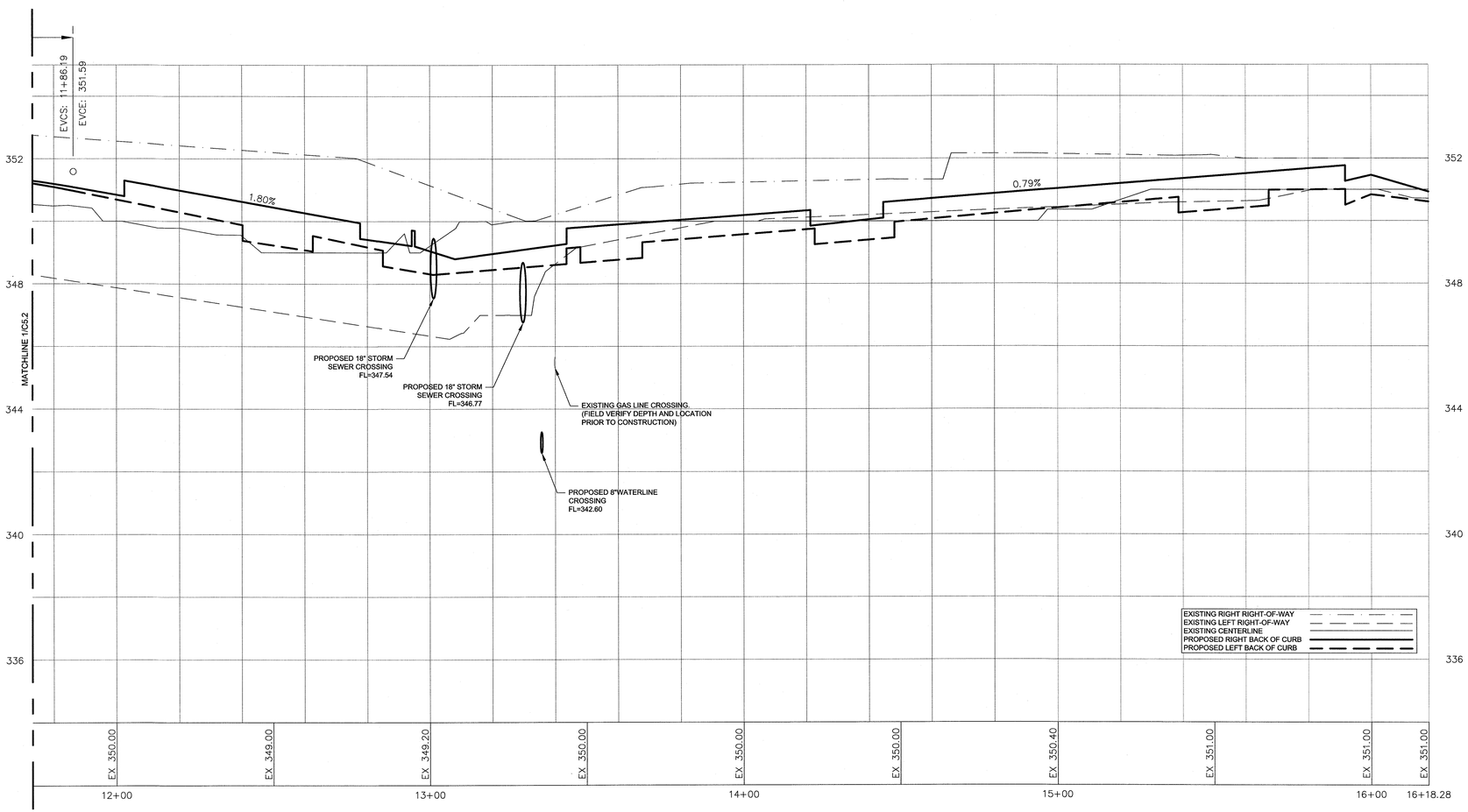
CONTRACT NO. 600059

SHEET NO.

C5.2



Parker Avenue - Plan 1"=20'-0" 2



Parker Avenue - Profile Horizontal 1"=20'-0", Vertical 1"=2'-0" 1

NO.	DATE	ISSUED FOR
1	12/10	Review
2	3/11	Review
3	7/1/11	Bid

D:\600\600059\600059-C5.1-C5.6-Plan Profile.dwg – June 29, 2011 – 1:59pm

GOODWIN-LASITER, INC
ENGINEERS • ARCHITECTS
SURVEYORS
TBPE FIRM REGISTRATION #413
1609 S. CHESTNUT ST., SUITE 202 ■ LUFKIN, TEXAS 75901 ■ (936) 637-4800 ■ admin@goodwinlasiter.com
3600 STATE HWY. 6 SOUTH., SUITE 102 ■ COLLEGE STATION, TEXAS 77845 ■ (979) 696-6767 ■ cs@goodwinlasiter.com

©2011 ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT FROM GOODWIN-LASITER, INC.

DRAWN BY: DKE	APPVD BY: JR	PLOT SCALE: 1:1

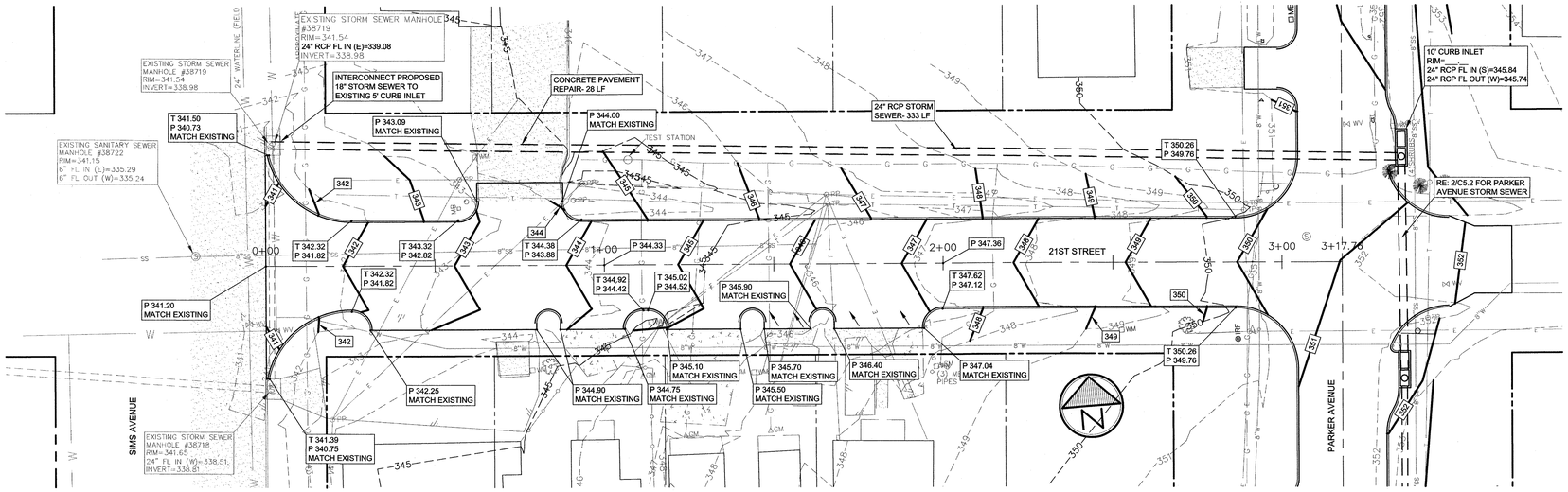
STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

Parker Avenue - Phase II Reconstruction
City of Bryan
Bryan, Texas
Plan/Profile Sta: 11 + 73.13 - 16 + 18.28

CONTRACT NO. 600059

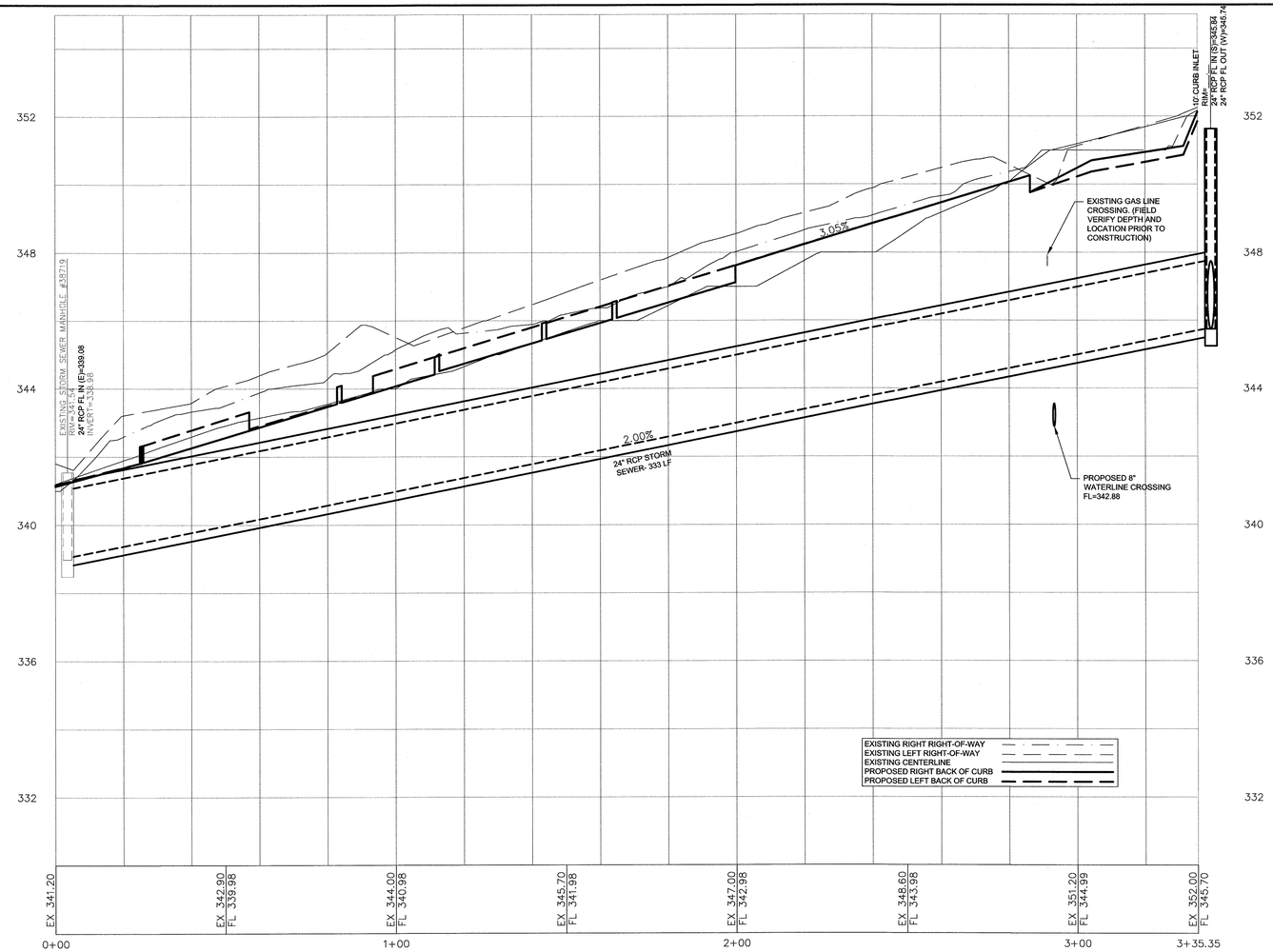
SHEET NO.

C5.3



21st Street - Plan

1"=20'-0" | 2



APPROXIMATE QUANTITY TABLE		
NO.	ITEM	AMOUNT THIS VIEW
1	24" RCP STORM SEWERLINE	333 LF

21st Street - Profile

Horizontal 1"=20'-0", Vertical 1"=2'-0" | 1

NO.	DATE	ISSUED FOR
1	12/10	Review
2	3/11	Review
3	7/1/11	Bid

D:\600\600059\600059-C5.1-C5.6-Plan Profile.dwg – June 29, 2011 – 2:40pm

GOODWIN-LASITER, INC
ENGINEERS • ARCHITECTS
SURVEYORS
TBPE FIRM REGISTRATION #4413
1609 S. CHESTNUT ST., SUITE 202 ■ LUFKIN, TEXAS 75901 ■ (936) 637-4900 ■ admin@goodwinlasiter.com
3600 STATE HWY. 6 SOUTH., SUITE 102 ■ COLLEGE STATION, TEXAS 77845 ■ (979) 696-6767 ■ cs@goodwinlasiter.com

©2011 ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT FROM GOODWIN-LASITER, INC.

DRAWN BY: DKC | APPV'D BY: JTR | PLOT SCALE: 1:1

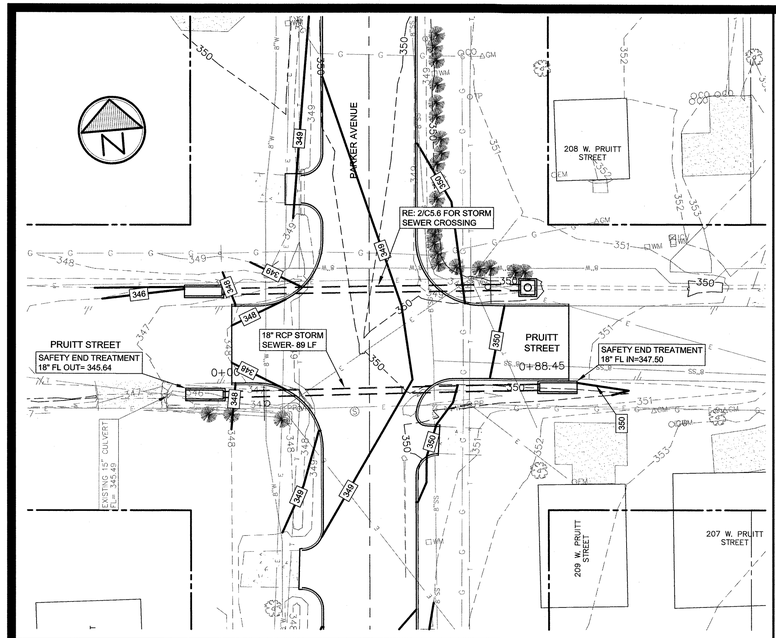
STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

Parker Avenue - Phase II Reconstruction
City of Bryan
Bryan, Texas
Plan/Profile - 21st Street

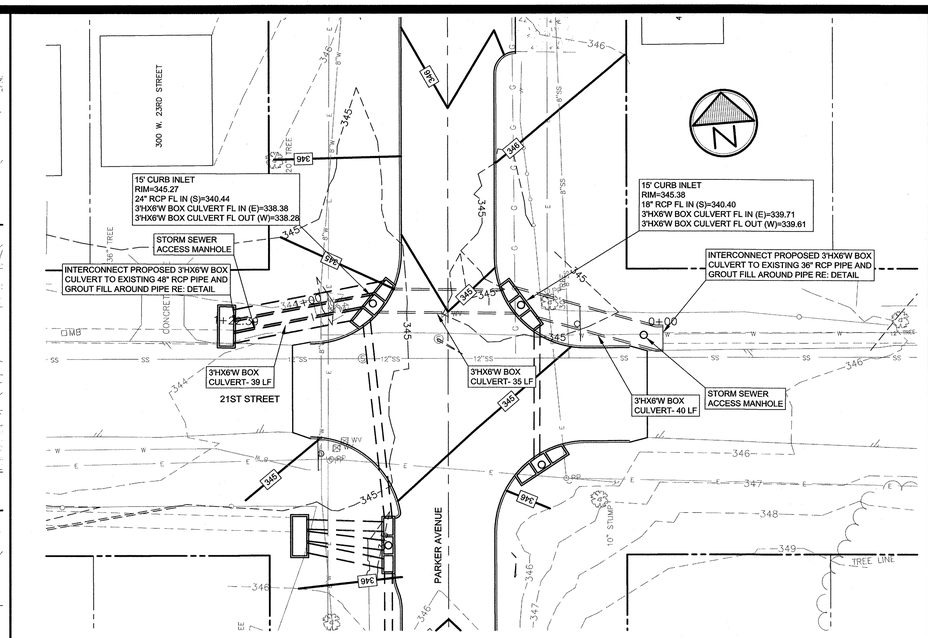
CONTRACT NO. 600059

SHEET NO.

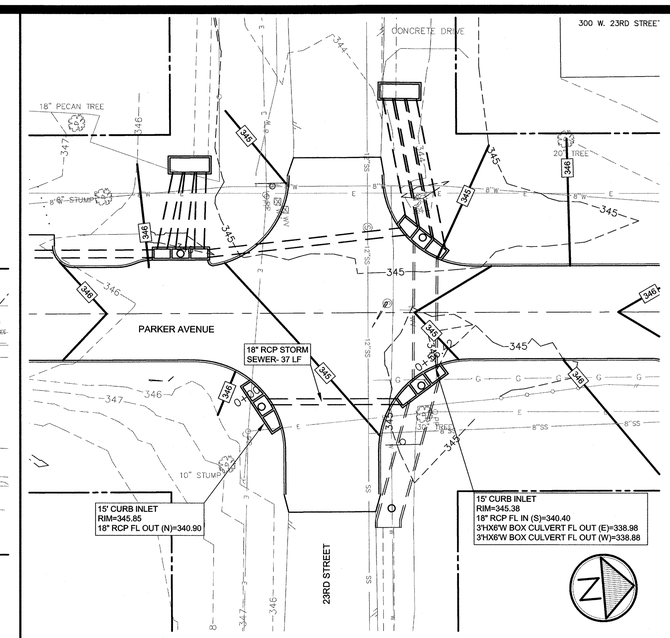
C5.4



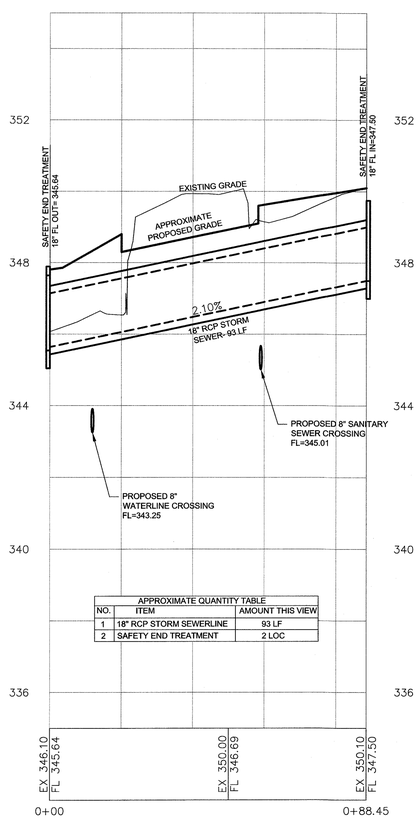
Parker Avenue - Plan 1"=20'-0" 6



Parker Avenue - Plan 1"=20'-0" 4

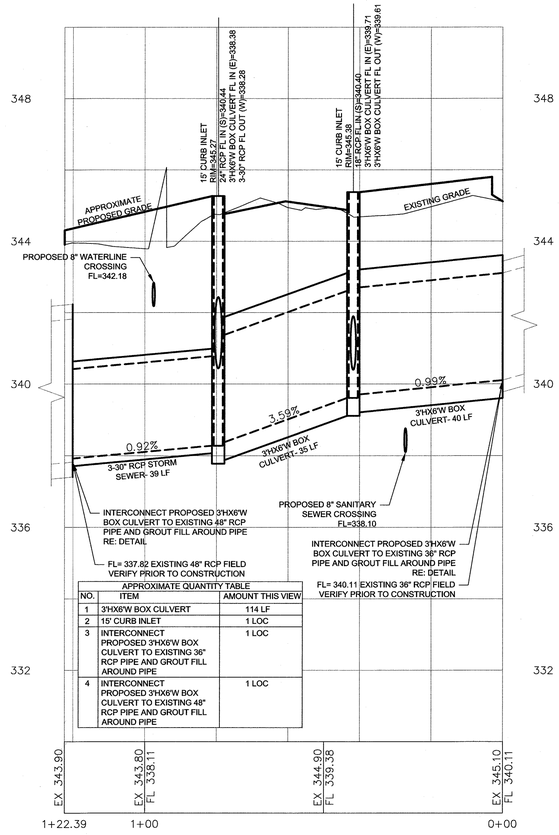


Parker Avenue - Plan 1"=20'-0" 2



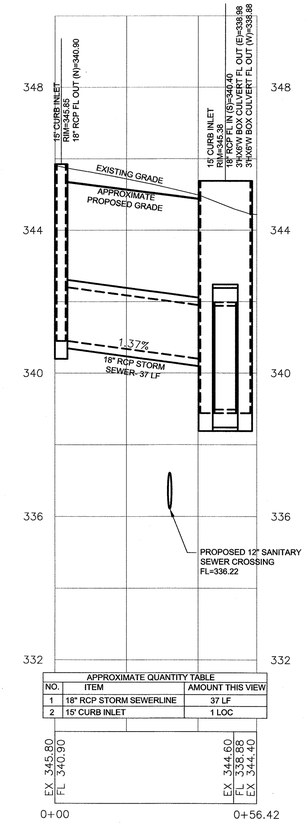
APPROXIMATE QUANTITY TABLE		
NO.	ITEM	AMOUNT THIS VIEW
1	18" RCP STORM SEWERLINE	93 LF
2	SAFETY END TREATMENT	2 LOC

Parker Avenue - Profile Horizontal 1"=20'-0", Vertical 1"=2'-0" 5



APPROXIMATE QUANTITY TABLE		
NO.	ITEM	AMOUNT THIS VIEW
1	3'HX6'W BOX CULVERT	114 LF
2	15' CURB INLET	1 LOC
3	INTERCONNECT PROPOSED 3'HX6'W BOX CULVERT TO EXISTING 36" RCP PIPE AND GROUT FILL AROUND PIPE	1 LOC
4	INTERCONNECT PROPOSED 3'HX6'W BOX CULVERT TO EXISTING 48" RCP PIPE AND GROUT FILL AROUND PIPE	1 LOC

Parker Avenue - Profile Horizontal 1"=20'-0", Vertical 1"=2'-0" 3



APPROXIMATE QUANTITY TABLE		
NO.	ITEM	AMOUNT THIS VIEW
1	18" RCP STORM SEWERLINE	37 LF
2	15' CURB INLET	1 LOC

Parker Avenue - Profile Horizontal 1"=20'-0", Vertical 1"=2'-0" 1

NO.	DATE	ISSUED FOR
1	12/10	Review
2	3/11	Review
3	7/1/11	Bid

GOODWIN-LASITER, INC
ENGINEERS - ARCHITECTS
SURVEYORS
TBPE FIRM REGISTRATION #413
1609 S. CHESTNUT ST., SUITE 202 ■ LUFKIN, TEXAS 75901 ■ (936) 637-4900 ■ admin@goodwinlasiter.com
3600 STATE HWY. 6 SOUTH., SUITE 102 ■ COLLEGE STATION, TEXAS 77845 ■ (979) 696-6767 ■ clex@goodwinlasiter.com

D:\600\600059\600059-C5.1-C5.6-Plan Profile.dwg – June 29, 2011 – 3:14pm

©2011 ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT FROM GOODWIN-LASITER, INC.

DRAWN BY: DKE | APPVD BY: JTR | PLOT SCALE: 1:1

STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

Parker Avenue - Phase II Reconstruction
City of Bryan
Bryan, Texas
Plan/Profile - Crossings

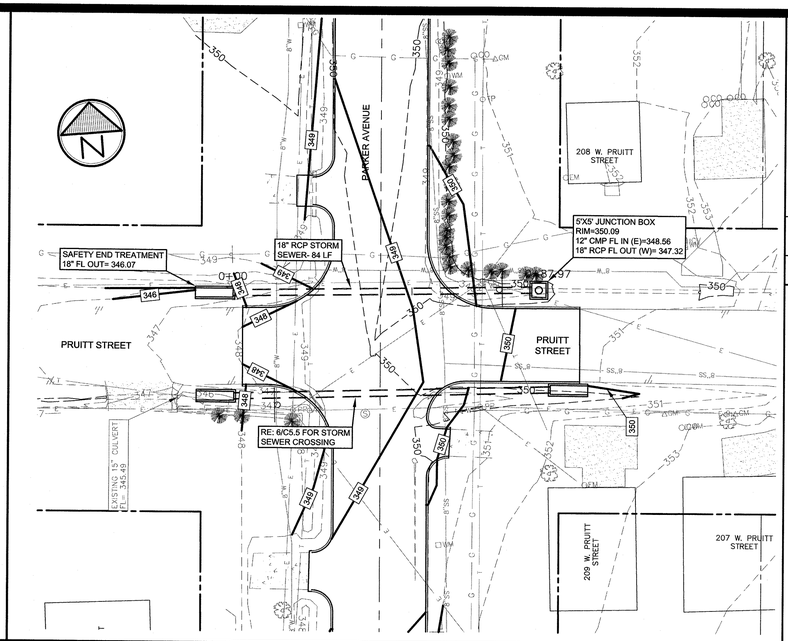
CONTRACT NO. 600059

SHEET NO.

C5.5

Not Used

N.T.S. | 4

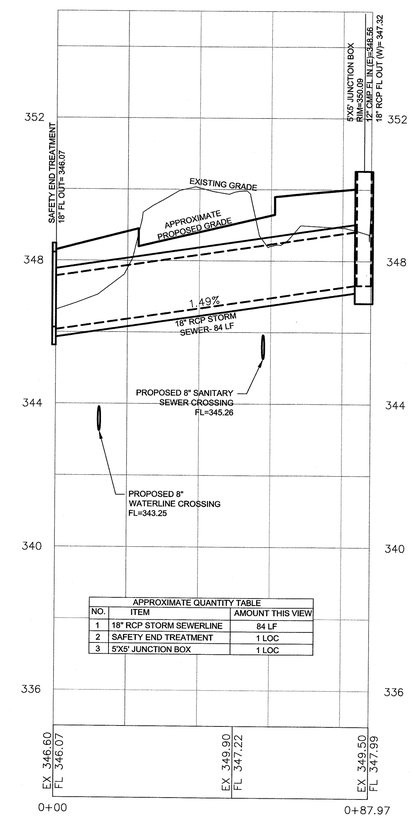


Parker Avenue - Plan

1"=20'-0" | 2

Not Used

N.T.S. | 3



APPROXIMATE QUANTITY TABLE		
NO.	ITEM	AMOUNT THIS VIEW
1	18" RCP STORM SEWERLINE	84 LF
2	SAFETY END TREATMENT	1 LOC
3	5'X5' JUNCTION BOX	1 LOC

Parker Avenue - Profile

Horizontal 1"=20'-0", Vertical 1"=2'-0" | 1

NO.	DATE	ISSUED FOR
1	12/10	Review
2	3/11	Review
3	7/1/11	Bid

D:\600\600059\600059-C5.1-C5.6-Plan Profile.dwg – June 29, 2011 – 3:17pm

GOODWIN-LASITER, INC
ENGINEERS • ARCHITECTS
SURVEYORS
TBPE FIRM REGISTRATION #413
1609 S. CHESTNUT ST., SUITE 202 • LUFKIN, TEXAS 75901 • (936) 637-4900 • admin@goodwinlasiter.com
3600 STATE HWY. 6 SOUTH., SUITE 102 • COLLEGE STATION, TEXAS 77845 • (979) 696-6767 • c-ter@goodwinlasiter.com

©2011 ALL RIGHTS RESERVED BY GOODWIN-LASITER, INC. UNAUTHORIZED USE OR REPRODUCTION OF THIS DOCUMENT WITHOUT CONSENT FROM GOODWIN-LASITER, INC.

DRAWN BY: DKE | APP'D BY: JR | PLOT SCALE: 1:1

STATE OF TEXAS
JOHN RUSK
87884
LICENSED PROFESSIONAL ENGINEER
6/30/2011

Parker Avenue - Phase II Reconstruction
City of Bryan
Bryan, Texas
Plan/Profile - Crossings

CONTRACT NO. 600059

SHEET NO.

C5.6