

CAPITAL IMPROVEMENT DEPARTMENT

RIO VISTA TERRACE SUBDIVISION RECONSTRUCTION PHASE II

UNDERGROUND UTILITIES AND STREETS

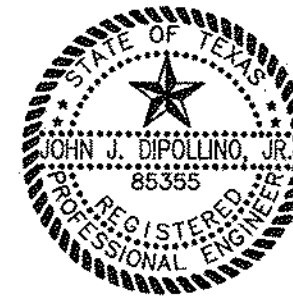
CITY OF SAN MARCOS

HAYS COUNTY, TEXAS

SUBMITTED BY:

JOHN J. DIPOLLINO, P.E. NO. 85355
ENGINEER OF RECORD

7/15/09
DATE



REVIEWED AND APPROVED BY:
THE CITY OF SAN MARCOS

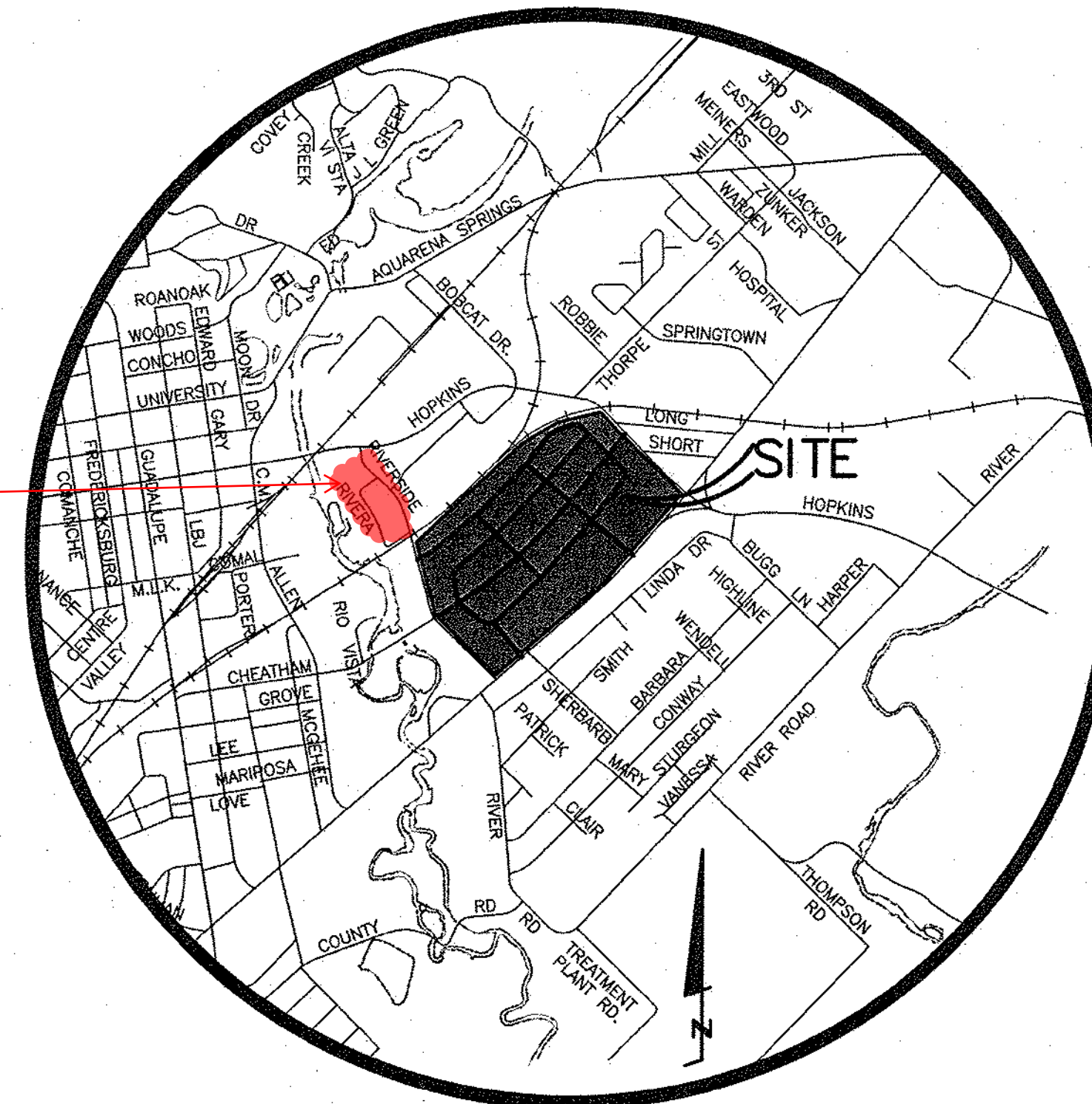
TOM TAGGART
DIRECTOR OF PUBLIC SERVICES

10/22/09
DATE

DAVID HEALEY
DIRECTOR OF CAPITAL IMPROVEMENTS

10/22/09
DATE

This is the location of
the current project.



VICINITY MAP

OWNER / DEVELOPER

CITY OF SAN MARCOS
630 EAST HOPKINS
SAN MARCOS, TX 78666
(512) 393-8130

LIST OF CONTACTS

CITY OF SAN MARCOS
CAPITAL IMPROVEMENTS DEPARTMENT
STEVE GUJARDO, PE (210) 508-3567

INSPECTION SERVICES:
AUTOMATED INSPECTION SERVICE 512/353-7728

INSPECTION SERVICES:
HAYS COUNTY ENGINEERING DEPARTMENT
JERRY BORCHERING, P.E.

PUBLIC SERVICE DEPARTMENT
TONY SALINAS 512/393-8024
LLOYD JAUREZ 512/393-8029

SAN MARCOS ELECTRIC UTILITY CO.
RONNIE LACAZE 512/393-8300

BYRN AND ASSOCIATES, INC.
JAMES E. BYRN, P.E. 512/396-2270

CENTURY TELEPHONE
KERRY ELLIS 512/754-5223

TIME WARNER
BETTY MERITT 512/485-6358

GRANDE COMMUNICATIONS
BRENT BRIGHT 512/220-4800

CENTERPOINT ENERGY ENTEX GAS
HUGH FITZWATER 512/392-6673
FAX 512/392-6606

TXDOT
DON NYLAND, P.E. 512/282-2113

SHEET INDEX

GENERAL
G-1 TITLE SHEET
G-2 GENERAL CONSTRUCTION NOTES
G-3 CITY OF SAN MARCOS
CONSTRUCTION REQUIREMENTS
G-4 SITE BENCH MARK PLAN
G-5 TRAFFIC CONTROL PLAN

ENVIRONMENTAL
E-1 ENVIRONMENTAL PROTECTION DETAILS

WASTEWATER
WW-1 WASTEWATER SYSTEM INDEX
WW-2 LINE A PLAN AND PROFILE
1+00 - 5+00
WW-3 LINE A PLAN AND PROFILE
5+00 - 10+00
WW-4 LINE A PLAN AND PROFILE
10+00 - 15+00
WW-5 LINE A PLAN AND PROFILE
15+00 - 20+00
WW-6 LINE A PLAN AND PROFILE
20+00 - 25+00
WW-7 LINE A PLAN AND PROFILE
25+00 - 30+00
WW-8 LINE A PLAN AND PROFILE
30+00 - END
WW-9 LINE A1 PLAN AND PROFILE
1+00 - END
WW-10 LINE A2 PLAN AND PROFILE
1+00 - 5+00
WW-11 NOT USED

WW-12 NOT USED
WW-13 LINE A3 PLAN AND PROFILE
1+00 - 5+00
WW-14 LINE A3 PLAN AND PROFILE
5+00 - 10+00
WW-15 LINE A3 PLAN AND PROFILE
10+00 - END
WW-16 LINE A6.2 PLAN AND PROFILE
1+00 - 5+00
WW-17 LINE A6.2 PLAN AND PROFILE
5+00 - END
WW-18 LINE A5 PLAN AND PROFILE
1+00 - 5+00
WW-19 LINE A5 PLAN AND PROFILE
5+00 - 10+00
WW-20 LINE A5 PLAN AND PROFILE
10+00 - 15+00
WW-21 LINE A5 PLAN AND PROFILE
15+00 - END
WW-22 LINE A5.1 PLAN AND PROFILE
1+00 - 5+00
WW-23 NOT USED
WW-24 LINE A5.2 PLAN AND PROFILE
1+00 - 5+00
WW-25 LINE A5.2 PLAN AND PROFILE
5+00 - END
WW-26 LINE A5.3 PLAN AND PROFILE
1+00 - 5+00
WW-27 LINE A6 PLAN AND PROFILE
1+00 - 5+00
WW-28 LINE A6 PLAN AND PROFILE
5+00 - 10+00
WW-29 NOT USED

WW-30 LINE A6.1 PLAN AND PROFILE
1+00 - 5+00
WW-31 LINE A6.1 PLAN AND PROFILE
5+00 - END
WW-32 LINE A7 PLAN AND PROFILE
1+00 - 5+00
WW-33 LINE A7 PLAN AND PROFILE
5+00 - END
WW-34 NOT USED
WW-35 NOT USED
WW-36 LINE A7.2 PLAN AND PROFILE
1+00 - 5+00
WW-37 NOT USED
WW-38 LINE A8 PLAN AND PROFILE
1+00 - 5+00
WW-39 LINE A8 PLAN AND PROFILE
5+00 - END
WW-40 LINE A9 PLAN AND PROFILE
1+00 - 5+00
WW-41 LINE A9 PLAN AND PROFILE
5+00 - END
WW-42 LINE A10 PLAN AND PROFILE
1+00 - 5+00
WW-43 LINE B PLAN AND PROFILE
1+00 - 5+00
WW-44 LINE B PLAN AND PROFILE
5+00 - 10+00

WATER
WA-1 8" WATER MAIN SHEET INDEX
12" WATER MAIN SHEET INDEX
WA-2 GENERAL WATER SYSTEM PLAN
WA-3 SOUTH WATER SYSTEM PLAN
WA-4 SOUTH CENTRAL WATER SYSTEM PLAN
WA-5 NORTH CENTRAL WATER SYSTEM PLAN
WA-6 NORTH WATER SYSTEM PLAN
WA-7 CHEATHAM STREET WATER PLAN AND PROFILE
1+00 - 5+00
WA-8 CHEATHAM STREET WATER PLAN AND PROFILE
5+00 - 10+00
WA-9 CHEATHAM STREET WATER PLAN AND PROFILE
10+00 - 15+00
WA-10 CHEATHAM STREET WATER PLAN AND PROFILE
15+00 - 20+00
WA-11 CHEATHAM STREET WATER PLAN AND PROFILE
20+00 - 25+00
WA-12 CHEATHAM STREET WATER PLAN AND PROFILE
25+00 - 30+00
WA-13 CHEATHAM STREET WATER PLAN AND PROFILE
30+00 - 34+00
WA-14 CHEATHAM STREET WATER PLAN AND PROFILE
34+00 - END
WA-15 RIVERSIDE WATER PLAN AND PROFILE
1+00 - 5+00
WA-16 RIVERSIDE WATER PLAN AND PROFILE
5+00 - 10+00
WA-17 RIVERSIDE WATER PLAN AND PROFILE
10+00 - 15+00
WA-18 NOT USED

WA-19 IH 35 WATER LINE
PLAN AND PROFILE 1+00 - 5+00
WA-20 IH 35 WATER LINE
PLAN AND PROFILE 5+00 - 10+00
WA-21 WATER LINE OFFSITE
PLAN AND PROFILE 10+00 - END

GENERAL DRAINAGE CALCULATIONS
DR-1 PROPOSED CHANNEL AND STORM DRAIN
LAYOUT AND INDEX
DR-2 EXISTING DRAINAGE BASINS AND CALCULATIONS
DR-3A PROPOSED DRAINAGE BASINS AND CALCULATIONS
DR-3B PROPOSED DRAINAGE BASINS AND CALCULATIONS
DR-3C PROPOSED DRAINAGE BASINS AND CALCULATIONS
DR-3D PROPOSED DRAINAGE BASINS AND CALCULATIONS
DR-4 PROPOSED CHANNEL, RIVERSIDE CULVERT,
AND POND CALCULATIONS

CHANNEL
CH-1ALT CHANNEL PLAN AND PROFILE 1+00 - 5+00
(ALTERNATE)
CH-1 CHANNEL PLAN AND PROFILE 1+00 - 5+00
CH-2 CHANNEL PLAN AND PROFILE 5+00 - 10+00
CH-3 CHANNEL PLAN AND PROFILE 10+00 - 15+00
CH-4 CHANNEL PLAN AND PROFILE 15+00 - 20+00
CH-5 CHANNEL PLAN AND PROFILE 20+00 - 25+00
CH-6 CHANNEL PLAN AND PROFILE 25+00 - 30+00
CH-7 CHANNEL PLAN AND PROFILE 30+00 - END

POND (ALTERNATE)
PD-1ALT POND PLAN (ALTERNATE)
PD-2ALT POND DETAILS (ALTERNATE)

STREETS AND DRAINAGE
ST-1 CHEATHAM STREET
PLAN AND PROFILE BEGINNING - 1+00
ST-2ALT CHEATHAM STREET (ALTERNATE)
PLAN AND PROFILE 1+00 - 5+00
ST-2 CHEATHAM STREET
PLAN AND PROFILE 1+00 - 5+00
ST-3 CHEATHAM STREET
PLAN AND PROFILE 5+00 - 10+00
ST-4 CHEATHAM STREET
PLAN AND PROFILE 10+00 - 15+00
ST-5 CHEATHAM STREET
PLAN AND PROFILE 15+00 - 20+00
ST-6ALT CHEATHAM STREET (ALTERNATE)
PLAN AND PROFILE 20+00 - 25+00
ST-6 CHEATHAM STREET
PLAN AND PROFILE 20+00 - 25+00
ST-7 CHEATHAM STREET
PLAN AND PROFILE 25+00 - 29+00

STREETS AND DRAINAGE
ST-8 CHEATHAM STREET
PLAN AND PROFILE 29+00 - END
ST-9 RIVERSIDE
PLAN AND PROFILE 1+00 - 5+00
ST-10 RIVERSIDE
PLAN AND PROFILE 5+00 - 9+00
ST-11 RIVERSIDE
PLAN AND PROFILE 9+00 - END
ST-12 NOT USED
ST-13 HAYNES
PLAN AND PROFILE 1+00 - 5+00
ST-14 HAYNES
PLAN AND PROFILE 5+00 - 10+00
ST-15 HAYNES
PLAN AND PROFILE 10+00 - 15+00
ST-16 HAYNES
PLAN AND PROFILE 15+00 - 20+00
ST-17 HAYNES
PLAN AND PROFILE 20+00 - 25+00
ST-18 HAYNES
PLAN AND PROFILE 25+00 - 28+00
ST-19 HAYNES
PLAN AND PROFILE 28+00 - END
ST-20 FIELD STREET
PLAN AND PROFILE 1+00 - 5+00
ST-21 FIELD STREET
PLAN AND PROFILE 5+00 - 10+00
ST-22 FIELD STREET
PLAN AND PROFILE 10+00 - 15+00
ST-23 FIELD STREET
PLAN AND PROFILE 15+00 - 20+00
ST-24 FIELD STREET
PLAN AND PROFILE 20+00 - 25+00
ST-25 FIELD STREET
PLAN AND PROFILE 25+00 - END
ST-26 SYCAMORE STREET
PLAN AND PROFILE 1+00 - 5+00
ST-27 SYCAMORE STREET
PLAN AND PROFILE 5+00 - 10+00
ST-28 SYCAMORE STREET
PLAN AND PROFILE 10+00 - 15+00
ST-29 SYCAMORE STREET
PLAN AND PROFILE 15+00 - 20+00
ST-30 SYCAMORE STREET
PLAN AND PROFILE 20+00 - 25+00
ST-31 SYCAMORE STREET
PLAN AND PROFILE 25+00 - 28+00
ST-32 SYCAMORE STREET
PLAN AND PROFILE 28+00 - END
ST-33 MCKINNON STREET
PLAN AND PROFILE 1+00 - 5+00
ST-34 MCKINNON STREET
PLAN AND PROFILE 5+00 - 10+00
ST-35 MCKINNON STREET
PLAN AND PROFILE 10+00 - END
ST-36 RIO VISTA STREET
PLAN AND PROFILE 1+00 - 5+00
ST-37 RIO VISTA STREET
PLAN AND PROFILE 5+00 - 10+00
ST-38 RIO VISTA STREET
PLAN AND PROFILE 10+00 - END
ST-39 ROBERTS STREET
PLAN AND PROFILE 1+00 - END
ST-40 MISCELLANEOUS DRAINAGE SYCAMORE STREET
PLAN AND PROFILE 1+00 - END

STRIPING AND SIGNAGE
SS-1 SOUTH STRIPING AND SIGNAGE PLAN
SS-2 SOUTH CENTRAL STRIPING
AND SIGNAGE PLAN
SS-3 NORTH CENTRAL STRIPING
AND SIGNAGE PLAN
SS-4 NORTH STRIPING AND SIGNAGE PLAN

DETAILS
DET-1 EROSION CONTROL AND TRAFFIC SAFETY DETAILS
DET-2 WASTEWATER DETAILS, I
DET-3 WASTEWATER DETAILS, II
DET-4 WATER DETAILS, I
DET-5 WATER DETAILS, II
DET-6 STREET CROSS SECTIONS
DET-7 STREET DETAILS
DET-8 DRAINAGE DETAILS
DET-9A DRAINAGE DETAILS
DET-9B TROTT WING WALLS AND DRAINAGE DETAILS
DET-10 STRIPING AND SIGNAGE DETAILS
DET-11 BICYCLE STRIPING AND SIGNAGE DETAILS

BYRN & ASSOCIATES, INC.
ENGINEERS SURVEYORS

P.O. BOX 1433
1115 HWY 80 EAST
SAN MARCOS, TEXAS
78667-1433
PHONE 512-396-2270
FAX 512-392-2945

RIO VISTA SUBDIVISION RECONSTRUCTION, PHASE II
SAN MARCOS, TEXAS
UNDERGROUND UTILITIES
AND STREETS

SHEET NUMBER	DESIGNED BY:	WATSON	JOB NUMBER
G-1	DRAWN BY:	WATSON	25588 -08-4
	CHECKED BY:	JOHN J. DIPOLLINO	
	APPROVED BY:	JOHN J. DIPOLLINO	
	PROJECT FILE:	08\25588\4 ENG	
OF 140 SHEETS	DRAWING:	1 G-1TITL	