

STATE OF TEXAS §  
 COUNTY OF NUECES §

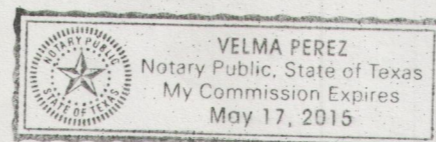
I, Harry Morgan Spear, III, manager of Spear Consolidated, Ltd. hereby certify that I am the owner of the land embraced within the boundaries of Lot 1, Block 1 of Spear Subdivision, shown hereon, that I have had said land surveyed and subdivided as shown, that the streets and easements shown are hereby dedicated, or if not previously dedicated, are hereby dedicated to the public use forever, and that this plat was made for the purposes of description and dedication on this 1st day of MAY, 2014.

Harry Morgan Spear, III  
 Owner  
 Harry Morgan Spear, III  
 Manager, Spear Consolidated, Ltd.

STATE OF TEXAS §  
 COUNTY OF NUECES §

This instrument was acknowledged before me by Harry Morgan Spear, III, manager of Spear Consolidated, Ltd. and attests that he is acting in his official capacity as manager of Spear Consolidated, Ltd. and with the authority to act on behalf of Spear Consolidated, Ltd. on this 1st day of MAY, 2014.

Velma Perez  
 Notary Public In and For  
 The State of Texas  
 My Commission Expires \_\_\_\_\_



I, Kirk Raymond, Registered Professional Land Surveyor No. 4957, have prepared the foregoing map from a survey made on the ground under my direction and it is true and correct to the best of my knowledge, information, and belief. I have been engaged under contract to set all Lot and Block corners as shown hereon and to complete such work with due and reasonable diligence consistent with sound professional practice.

Given Under My Hand and Seal this the 1st day of MAY, 2014.

Kirk Raymond  
 Kirk Raymond, R.P.L.S. 4957



STATE OF TEXAS §  
 COUNTY OF NUECES §

This final plat of the herein described property was approved by the Department of Development Services of the City of Corpus Christi, Texas.

This the \_\_\_ day of \_\_\_, 2014.

Renee T. Couture, P.E.  
 Development Services Engineer

STATE OF TEXAS §  
 COUNTY OF NUECES §

This final plat of the herein described property was approved on behalf of the City of Corpus Christi, Texas by the Planning Commission on this \_\_\_ day of \_\_\_, 2014.

Mark E. Van Vleck, P.E.  
 Secretary

Philip J. Ramirez, A.I.A., LEED AP  
 Chairman

STATE OF TEXAS §  
 COUNTY OF NUECES §

I, Diana T. Barrera, Clerk of the County Court in and for said County, do hereby certify that the foregoing instrument dated the \_\_\_ day of \_\_\_, 2014 with its certificate of authentication, was filed for record in my office the \_\_\_ day of \_\_\_, 2014 at \_\_\_ o'clock \_\_\_ M., and duly recorded the \_\_\_ day of \_\_\_, 2014 at \_\_\_ o'clock \_\_\_ M. in the Map Records of said county in Volume \_\_\_ Page \_\_\_, Instrument Number \_\_\_\_\_.

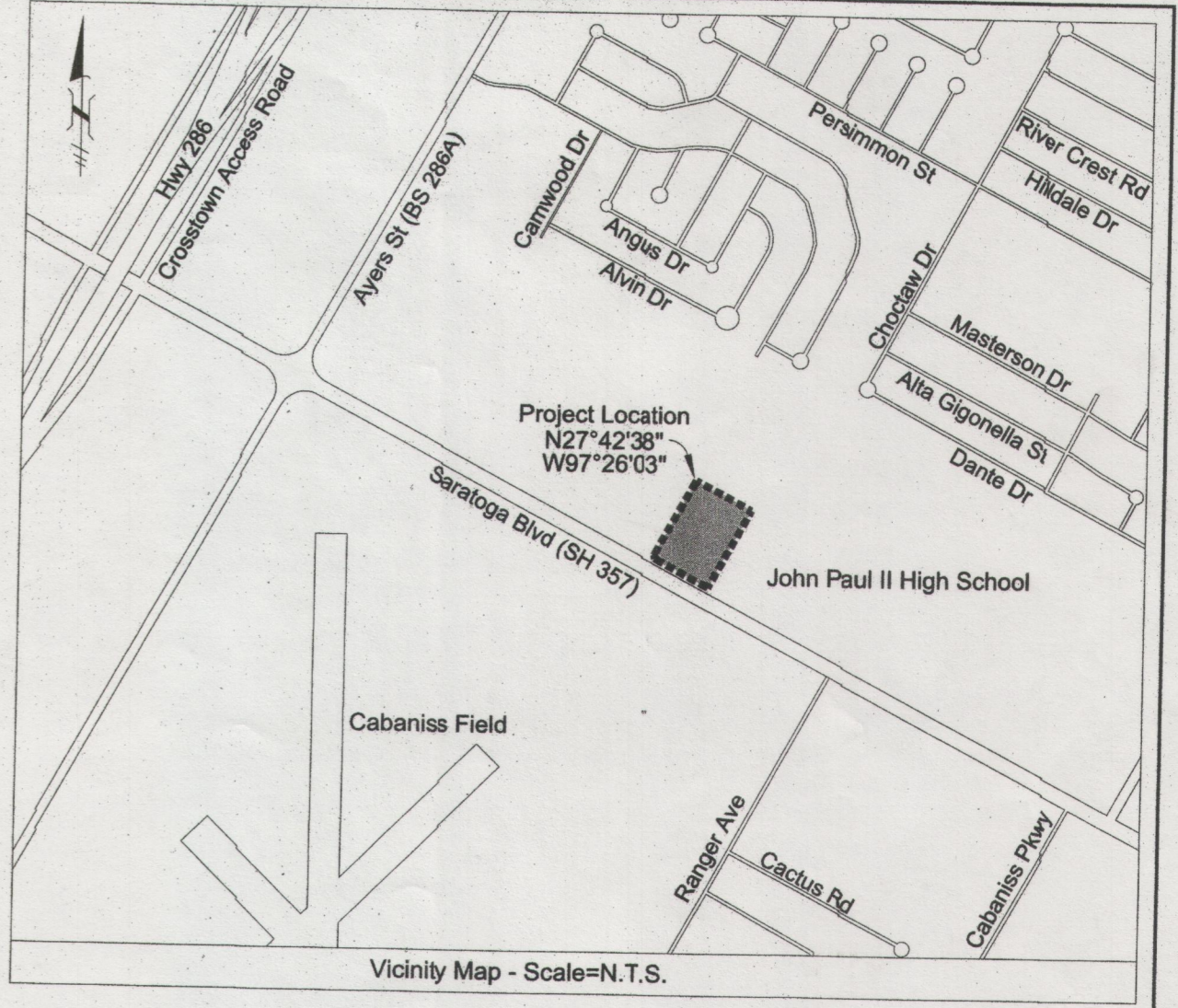
Witness my hand and seal of the County Court in and for said County at office in Corpus Christi, Nueces County, Texas, the day and year last written.

No. \_\_\_\_\_  
 Filed for Record

Diana T. Barrera, Clerk  
 County Clerk  
 Nueces County, Texas

at \_\_\_ O'clock \_\_\_ M.  
 \_\_\_, 2014

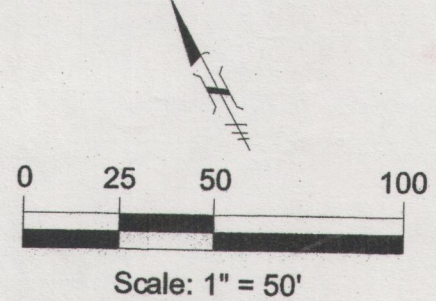
By: \_\_\_\_\_  
 Deputy



- Notes:
- Bearings are based on the Texas State Plane Coordinate System, South Zone 4205 using GPS observations collected at the site.
  - The subject property lies within Zone "C", areas determined to be outside the 500 year flood plain, according to the FEMA Flood Insurance Rate Map for the City of Corpus Christi, Nueces and Kleberg Counties Panel Nos. 485464 0283 C and 485464 2080 C dated July 18, 1985.
  - The receiving water for the storm water runoff from this property is the Oso Creek. The TCEQ has not classified the aquatic life use for the Oso Creek, but it is recognized as an environmentally sensitive area. The Oso Creek flows directly into Oso Bay. The TCEQ has classified the aquatic life use for the Oso Bay as "Exceptional" and "Oyster Waters" and categorized the receiving water as "Contact Recreation" use.
  - If any lot is developed with residential uses, compliance with the public open space regulations will be required during the building permit phase.
  - Property must comply with TxDOT Traffic Access Management Plan.
  - Total platted area is 4.07 acres.
  - Iron rods are set at all property corners, parent tract corners are noted.
  - The yard requirements shown are a requirement of the Unified Development Code and are subject to change as the zoning may change.

- Legend
- IRS Set 1/2" Iron Rod
  - IRF Found Iron Rod
  - IPF Found Iron Pipe
  - M.R.N.C.T. Map Records Nueces County Texas
  - R = Record Measurement

LINE TABLE		
NUM	BEARING	DISTANCE
L1	N16°36'04"W	21.12'



**FINAL PLAT OF  
 SPEAR SUBDIVISION,  
 Block 1, Lot 1**  
 Being a Replat of 4.07 Acres out of  
 Part of Lot 5, Section 8, of  
 Bohemian Colony Lands Subdivision,  
 Shown on a Plat recorded in Volume A, Page 48,  
 Map Records, Nueces County, Texas,

JANUARY, 2014

SURVEYOR/ENGINEER:  
 GOODWIN LASITER, INC.  
 4077 CROSS PARK DRIVE  
 SUITE 100  
 BRYAN, TEXAS 77802  
 TBPLS FIRM# 10110901

OWNER:  
 SPEAR CONSOLIDATED, LTD.  
 361-883-5588  
 225 SOUTH CARANCAHUA STREET  
 CORPUS CHRISTI, TEXAS 78401  
 TBPE FIRM# 413

JOB NO: 651902

5-1-14

**APPLICATION FOR WATERLINE REIMBURSEMENT**

We, Spear Consolidated, LTD, a Texas Limited Partnership, 225 S. Carancahua, Corpus Christi, Texas 78401, owners and developers of proposed Spear Subdivision Block 1, Lot 1, hereby request reimbursement of \$84,536.35 for the installation of the Water Grid Main in conjunction with said lot, as provided for by City Ordinance No. 17092. \$84,536.35 is the construction cost, including 9.3% Engineering and Surveying, in excess of the lot/acreage fee, as shown by the cost supporting documents attached herewith.

*Harry Morgan Spear Jr.*  
Harry Morgan Spear Jr., Manager  
Spear GP, L.L.C.  
Managing Partner, Spear Consolidated Ltd.

4/23/14  
Date

THE STATE OF TEXAS §

COUNTY OF NUECES §

This instrument was acknowledged before me on 4/23, 2014, by Harry Morgan Spear Jr., Managing Partner, of Spear Consolidated, Ltd, a Texas Limited Partnership, on behalf of the said partnership.

*Irene Garcia*  
Notary Public in and for the State of Texas



*Martha G. Spear*  
Martha G. Spear, Manager  
Spear GP, L.L.C  
Managing Partner, Spear Consolidated Ltd.

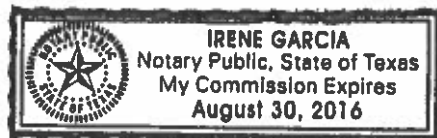
4-23-14  
Date

THE STATE OF TEXAS §

COUNTY OF NUECES §

This instrument was acknowledged before me on 4-23, 2014, by Martha G. Spear, Managing Partner, of Spear Consolidated, Ltd, a Texas Limited Partnership, on behalf of the said partnership.

*Irene Garcia*  
Notary Public in and for the State of Texas



**CERTIFICATION**

The information submitted with this application for reimbursement has been reviewed and determined to be correct. Reimbursement is subject to:

- (a) Sufficiency of funds in the Grid and Arterial Main Trust Fund, and
- (b) Appropriation and approval by the City Council.

  
Development Services Engineer

5-5-14  
(Date)

**APPLICATION FOR WATERLINE CREDIT**

We, Spear Consolidated, LTD, a Texas Limited Partnership, 225 S. Carancahua, Corpus Christi, Texas 78401, owners and developers of proposed Spear Subdivision Block 1, Lot 1, hereby apply for \$5,856.73 credit towards the water lot/acreage fee for the installation of the Water Grid Main as provided for by City Ordinance No. 17092. \$84,536.35 is the construction cost, including 9.3% Engineering and Surveying, as shown by the cost supporting documents attached herewith.

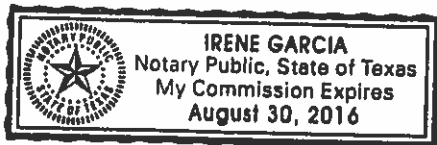
Harry Morgan Spear Jr.  
Harry Morgan Spear Jr., Manager  
Spear GP, L.L.C.  
Managing Partner, Spear Consolidated Ltd.

4/23/14  
Date

THE STATE OF TEXAS §

COUNTY OF NUECES §

This instrument was acknowledged before me on 4/23, 2014, by Harry Morgan Spear Jr., Managing Partner, of Spear Consolidated, a Texas Limited Partnership, on behalf of the said partnership.



Irene Garcia  
Notary Public in and for the State of Texas

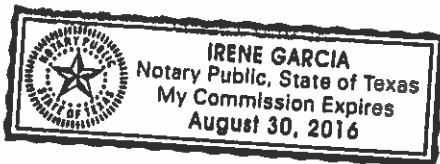
Martha G. Spear  
Martha G. Spear, Manager  
Spear GP, L.L.C.  
Managing Partner, Spear Consolidated Ltd.

4-23-14  
Date

THE STATE OF TEXAS §

COUNTY OF NUECES §

This instrument was acknowledged before me on 4/23, 2014 by Martha G. Spear, Managing Partner, of Spear Consolidated, a Texas Limited Partnership, on behalf of the said partnership.



Irene Garcia  
Notary Public in and for the State of Texas

CONSTRUCTION PLANS  
FOR

# Spear Consolidated, LTD

CORPUS CHRISTI, TEXAS 78415

## SPEAR SUBDIVISION UTILITY EXTENSIONS

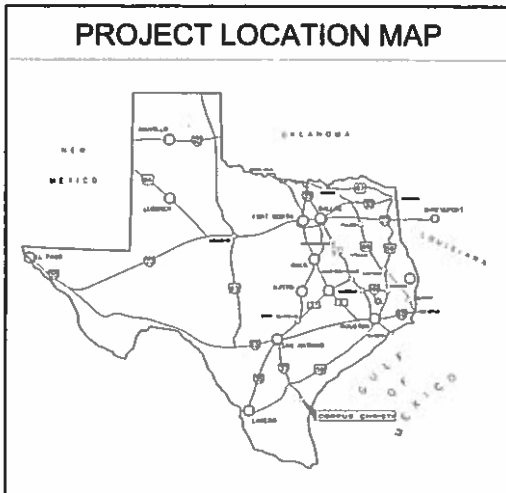
FEBRUARY 2014


SPEAR CONSOLIDATED, LTD - SPEAR SUBDIVISION UTILITY EXTENSIONS

SPEAR CONSOLIDATED, LTD - SPEAR SUBDIVISION UTILITY EXTENSIONS

Digitally signed by Renee  
Caudery  
DN: c=United States,  
ou=Development Services,  
ou=City of Corpus Christi,  
email=Renee.Caudery@cityofcc.org,  
serial=1025  
Date: 2014.01.04 11:25:38  
+0500

Drawing Index	
No.	Sheet Title
-	Cover Sheet
C1.0	Project Notes & Information
C1.1	Utility Overall
C2.1	Waterline Plan and Profile Sta. 0+00 - Sta. 6+00
C2.2	Waterline Plan and Profile Sta. 6+00 - Sta. 11+80.81
C2.3	Waterline Plan and Profile Sta. 0+00 - Sta. 5+50.19
C3.1	Sanitary Sewer Plan and Profile Sta. 0+00 - Sta. 6+00
C3.2	Sanitary Sewer Plan and Profile Sta. 6+00 - Sta. 8+08.07
C4.1	Storm Sewer Plan and Profile Sta. 0+00 - Sta. 8+00
C4.2	Storm Sewer Plan and Profile Sta. 8+00 - Sta. 7+82.51
C5.1	Project Details
C5.2	Project Details
C5.3	Project Details



SUBMITTED:   
Chad Emmet, P.E.  
Goodwin-Lasiter, Inc.

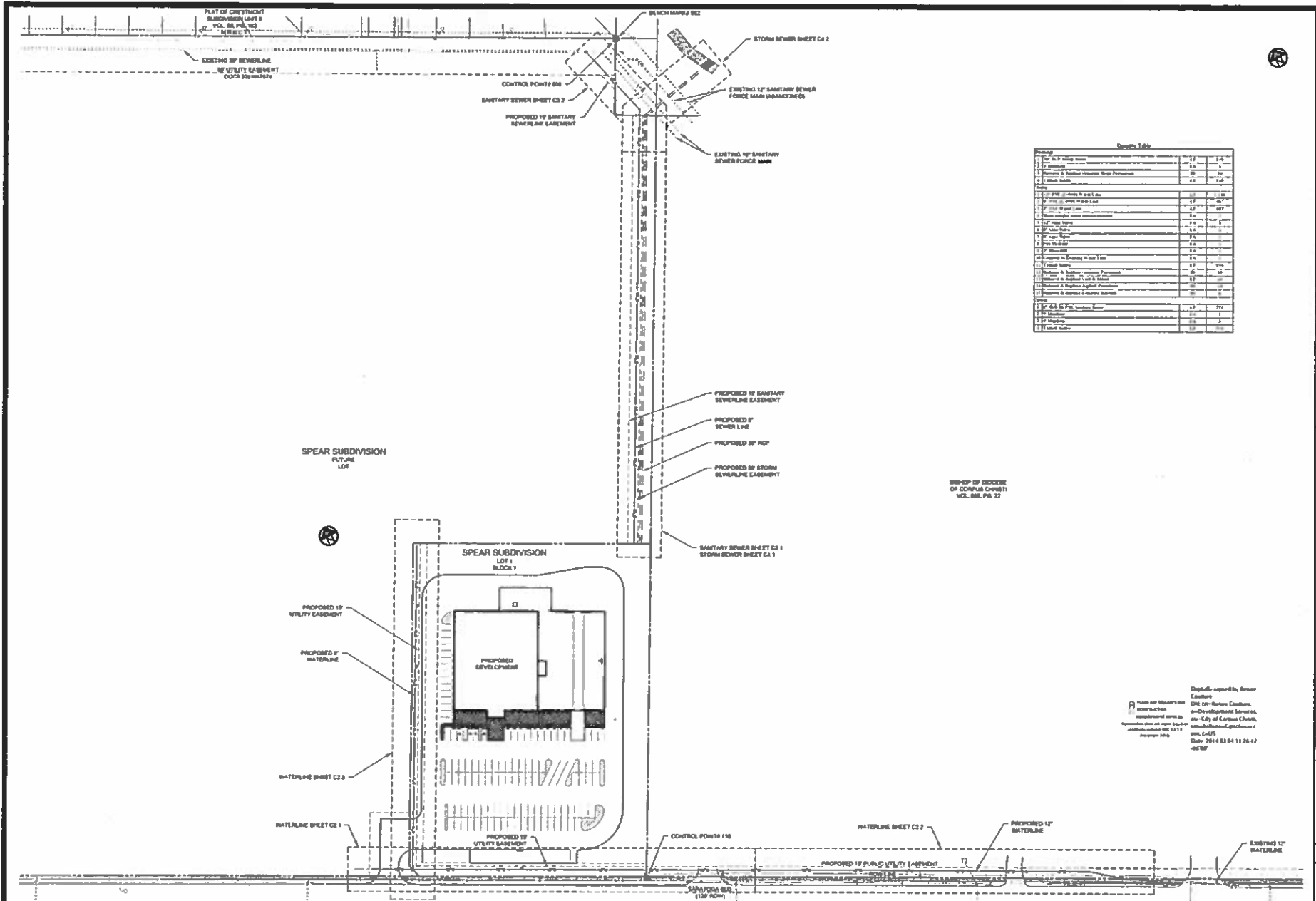
DATE: 2/27/14



PREPARED BY







Quantity Table

NO.	DESCRIPTION	QUANTITY	UNIT
1	Sanitary Sewer Force Main	2.0	LINE
2	Storm Sewer Force Main	2.0	LINE
3	Sanitary Sewer Manhole	2	NO.
4	Storm Sewer Manhole	2	NO.
5	Sanitary Sewer Pipe	120	LINEAL FEET
6	Storm Sewer Pipe	120	LINEAL FEET
7	Sanitary Sewer Manhole Chamber	2	NO.
8	Storm Sewer Manhole Chamber	2	NO.
9	Sanitary Sewer Manhole Cover	2	NO.
10	Storm Sewer Manhole Cover	2	NO.
11	Sanitary Sewer Manhole Inlet	2	NO.
12	Storm Sewer Manhole Inlet	2	NO.
13	Sanitary Sewer Manhole Outlet	2	NO.
14	Storm Sewer Manhole Outlet	2	NO.
15	Sanitary Sewer Manhole Vent	2	NO.
16	Storm Sewer Manhole Vent	2	NO.
17	Sanitary Sewer Manhole Vent Cap	2	NO.
18	Storm Sewer Manhole Vent Cap	2	NO.
19	Sanitary Sewer Manhole Vent Pipe	2	NO.
20	Storm Sewer Manhole Vent Pipe	2	NO.

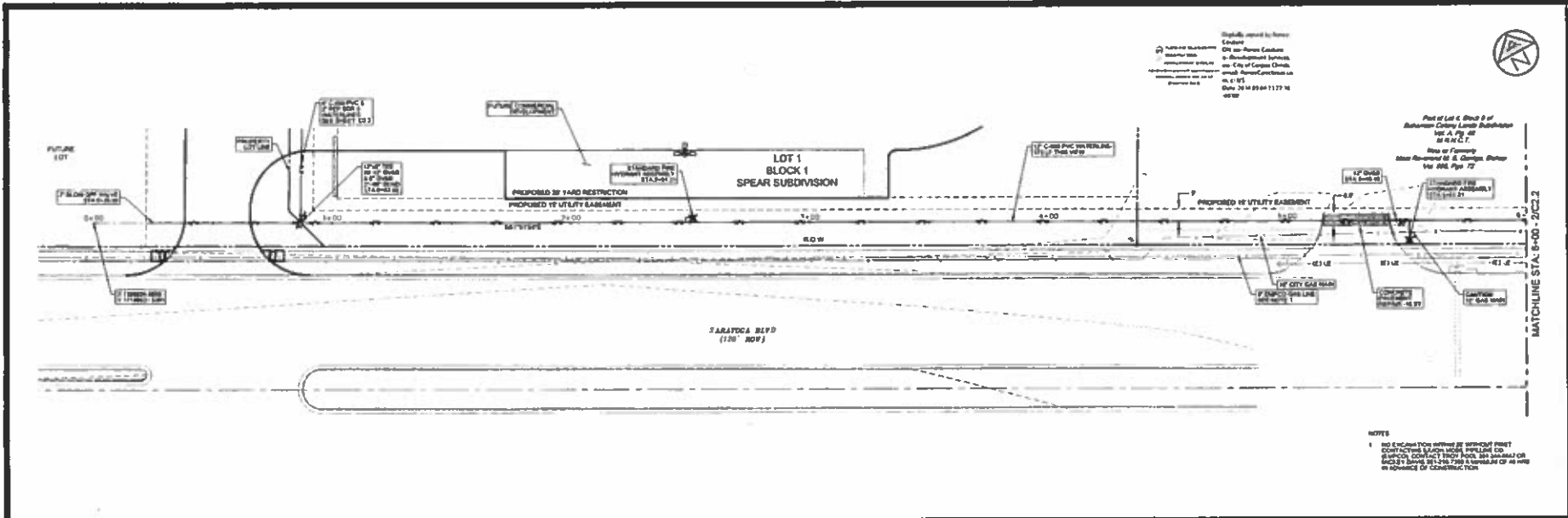
Digitally signed by Arnez Castillo  
DN: cn=Arnez Castillo, o=Development Services, ou=City of Corpus Christi, email=arnez.castillo@cityofcc.com, c=US  
Date: 2014.03.04 11:20:42 -0600

Spear Subdivision Utility Extensions  
Spear Consolidated, LTD  
Corpus Christi, Texas  
Utility Overall

CONTRACT NO. 690059  
SHEET NO.

C1.1

Exhibit 3



Standards adopted by reference:  
 Engineer: [Signature]  
 City of Corpus Christi  
 Department of Public Works  
 Date: 2014 09 04 11:27:16  
 4878

Part of Lot 4, Block 8 of  
 Subdivision Colony Lakes Subdivision  
 Vol. 4, Pgs. 88  
 18 01 01 C.T.  
 Also in Former  
 Atlas Re-recorded M. S. Gordon, Owner  
 Vol. 686, Page 72

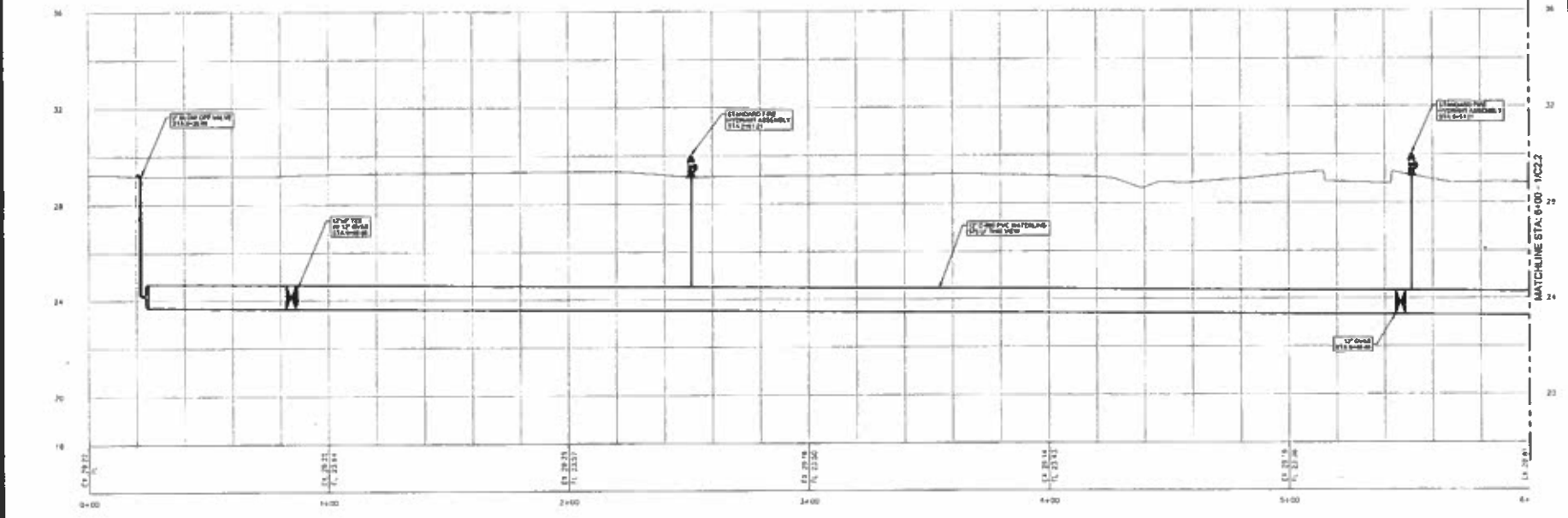
NOTES  
 1. No extension from existing at street front.  
 CONTRACTOR SHALL VERIFY ALL UTILITIES AND  
 DEPT. OF PUBLIC WORKS SHALL BE CONTACTED FOR  
 ALL UTILITIES TO BE EXTENDED OR AS NOTED  
 BY CONTRACTOR.

DATE	REVISION	BY
10/27/14	1	GLS
11/10/14	2	GLS
11/10/14	3	GLS
11/10/14	4	GLS
11/10/14	5	GLS
11/10/14	6	GLS
11/10/14	7	GLS
11/10/14	8	GLS
11/10/14	9	GLS
11/10/14	10	GLS



Waterline Plan Sta. 0+00 - Sta. 6+00

Scale: 1" = 20'-0"



Waterline Profile Sta. 0+00 - Sta. 6+00

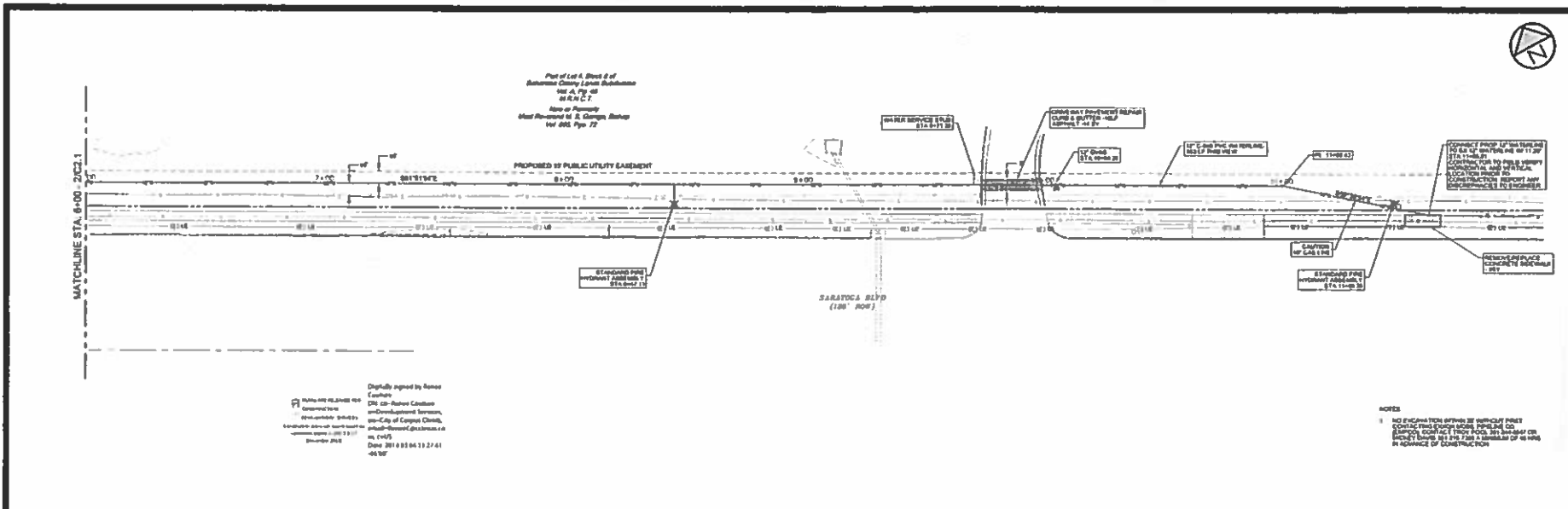
Scale: Horizontal 1" = 20'-0", Vertical 1" = 2'-0"

Spear Subdivision Utility Extensions  
 Spear Consolidated, LTD  
 Corpus Christi, Texas  
 Waterline Plan and Profile Sta. 0+00 - Sta. 6+00

CONTRACT NO. 698059  
 SHEET NO.

C2.1

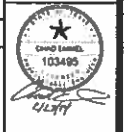




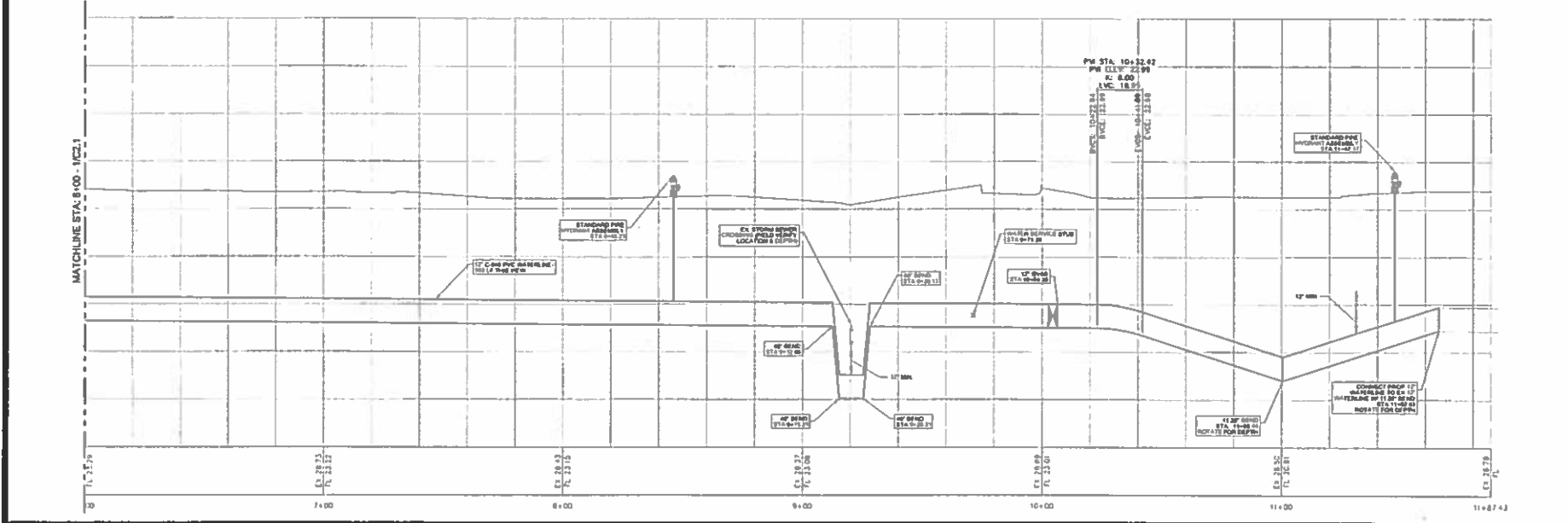
Digitally signed by Renee  
 E-mail: [rene@glslab.com](mailto:rene@glslab.com)  
 DN: cn=Renee Calabrese,  
 o=Goodwin Labster BTRONG,  
 ou=Engineering Services,  
 email=rene@glslab.com,  
 postal=Dallas, TX 75241,  
 c=US

NOTES  
 1. NO ENCUMBRANCE OTHER THAN EXISTING RECORD DRAWINGS SHALL BE SHOWN. FIELD SURVEY SHALL BE CONDUCTED TO VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES TO BE DELETED OR SHOWN IN ACCORDANCE WITH THE SPECIFICATIONS.

DATE		DESCRIPTION
1	11/11/11	ISSUED FOR PERMIT
2	11/11/11	ISSUED FOR PERMIT
3	11/11/11	ISSUED FOR PERMIT
4	11/11/11	ISSUED FOR PERMIT
5	11/11/11	ISSUED FOR PERMIT
6	11/11/11	ISSUED FOR PERMIT
7	11/11/11	ISSUED FOR PERMIT
8	11/11/11	ISSUED FOR PERMIT
9	11/11/11	ISSUED FOR PERMIT
10	11/11/11	ISSUED FOR PERMIT

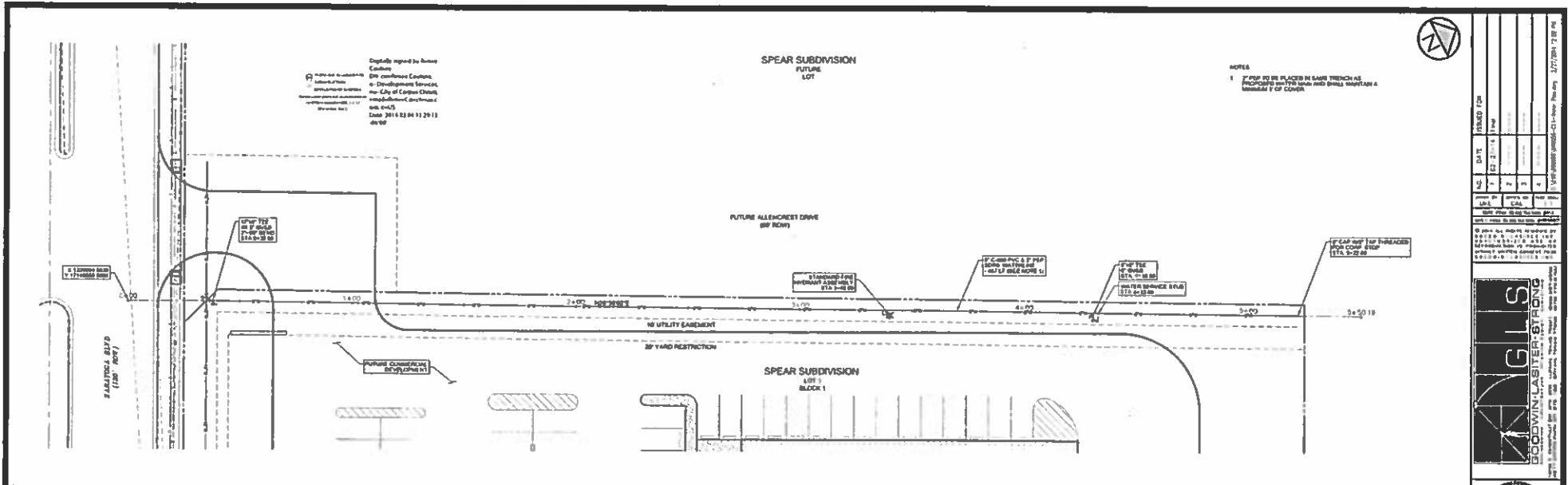


Waterline Plan Sta. 6+00 - Sta. 11+90.59 Horizontal 1"=20'-0", Vertical 1"=2'-0" 2

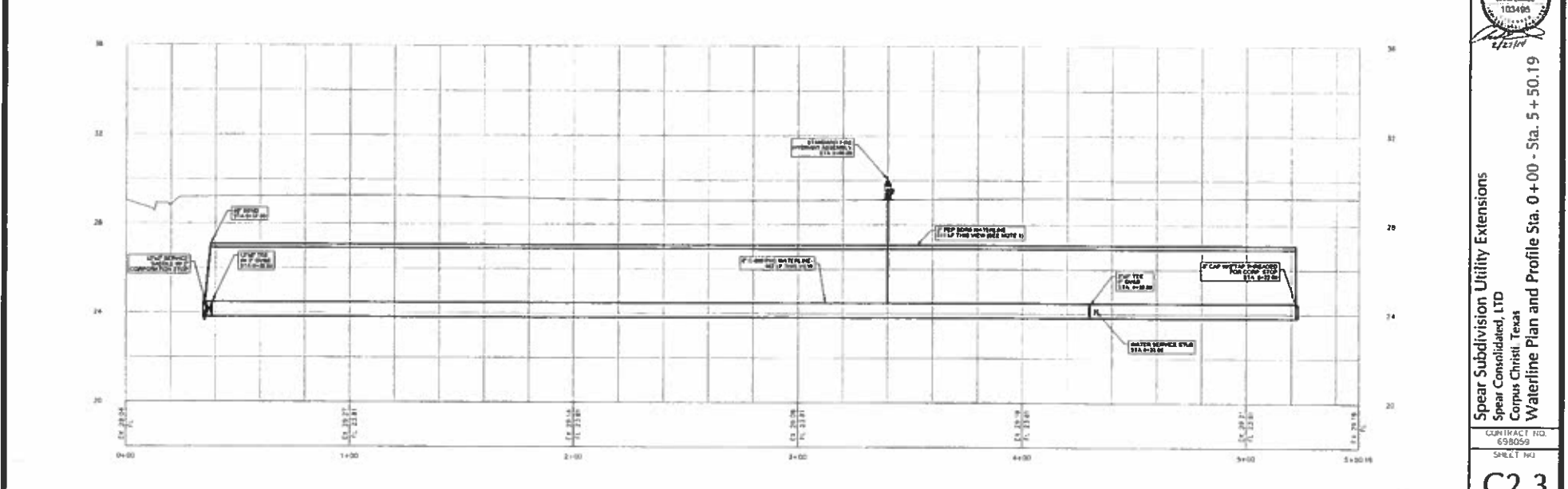


Waterline Profile Sta. 6+00 - Sta. 11+90.59 Horizontal 1"=20'-0", Vertical 1"=2'-0" 1

Spear Subdivision Utility Extensions  
 Spear Consolidated, LTD  
 Corpus Christi, Texas  
 Waterline Plan and Profile Sta. 6+00 - Sta. 11 + 80.81  
 CONTRACT NO. 698059  
 SHEET NO. C2.2

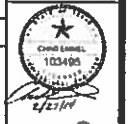


Waterline Plan Sta. 0+00 - Sta. 5+50.19 1'-20'-0" 2



Waterline Profile Sta. 0+00 - Sta. 5+50.19 Horizontal 1'-20'-0", Vertical 1'-2'-0" 1

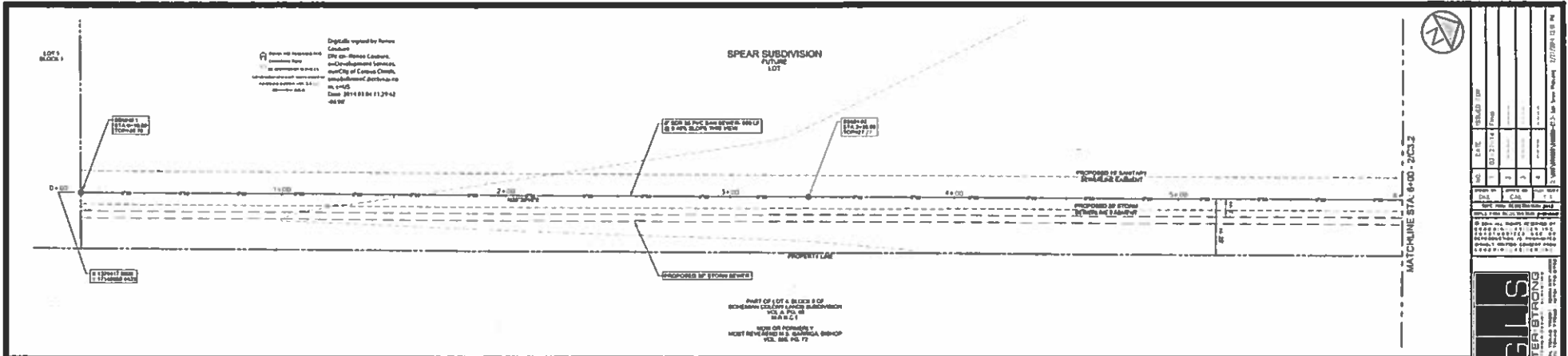
DATE	2/1/14
BY	...
CHECKED	...
SCALE	AS SHOWN
PROJECT	...
SHEET NO.	C2.3
TOTAL SHEETS	...
DESIGNED BY	...
DRAWN BY	...
CHECKED BY	...
DATE	2/1/14



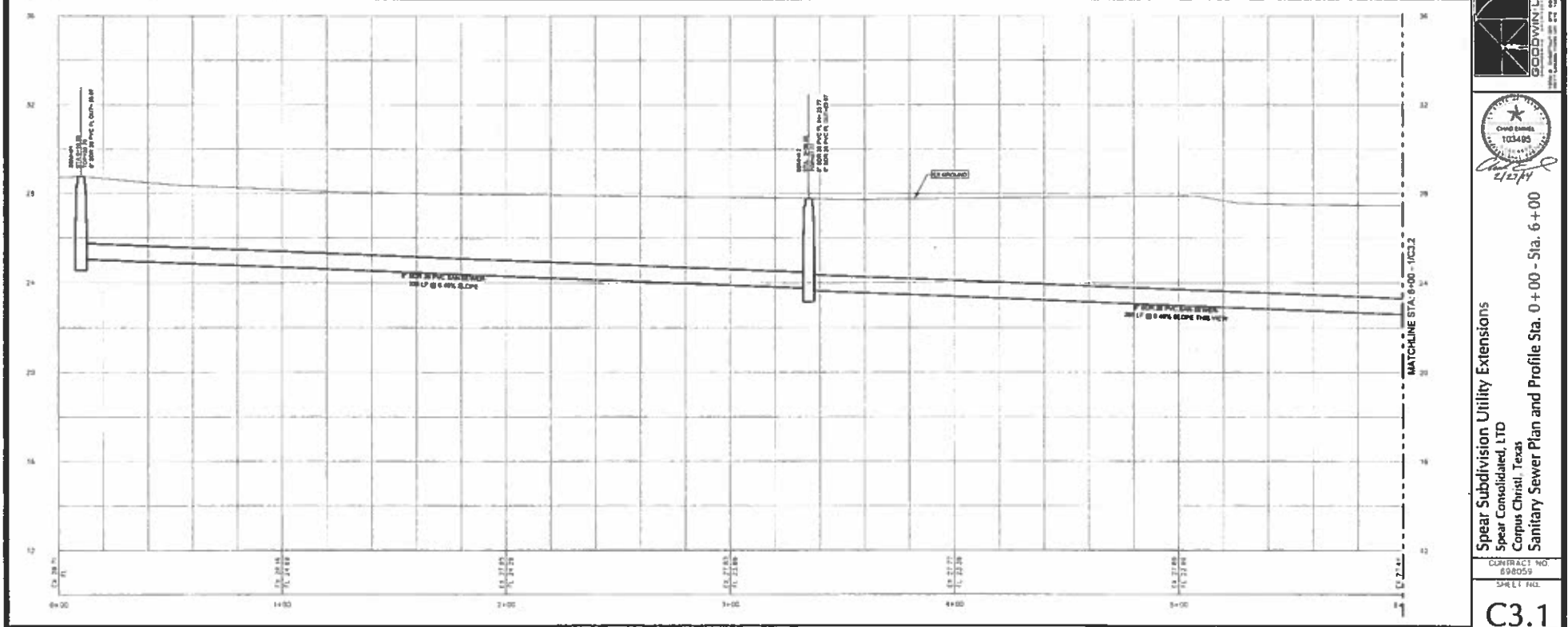
Spear Subdivision Utility Extensions  
 Spear Consolidated, LTD  
 Corpus Christi, Texas  
 Waterline Plan and Profile Sta. 0+00 - Sta. 5+50.19

CONTRACT NO. 698059  
 SHEET NO.

**C2.3**



Sanitary Sewer Plan Sta. 0+00 - Sta. 6+00 1"=20'-0" 2



Sanitary Sewer Profile Sta. 0+00 - Sta. 6+00 Horizontal 1"=20'-0", Vertical 1"=2'-0" 1

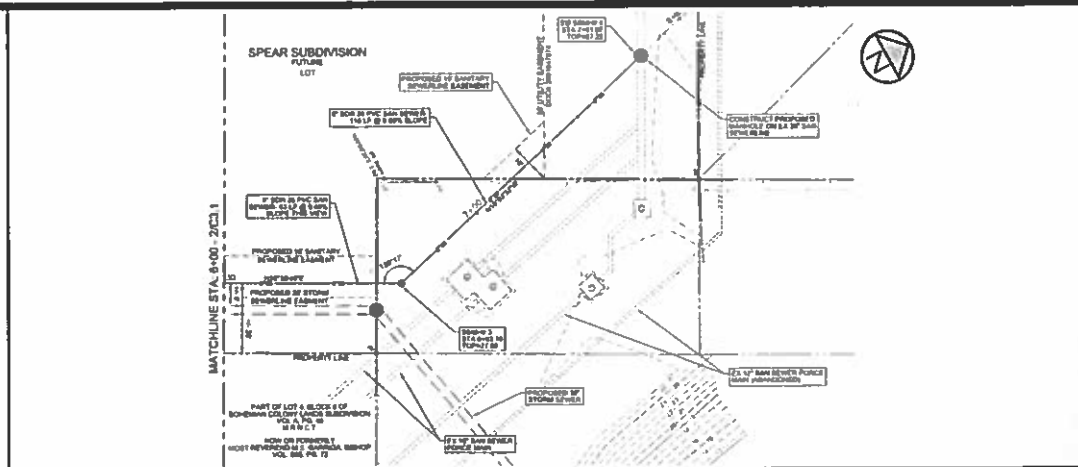
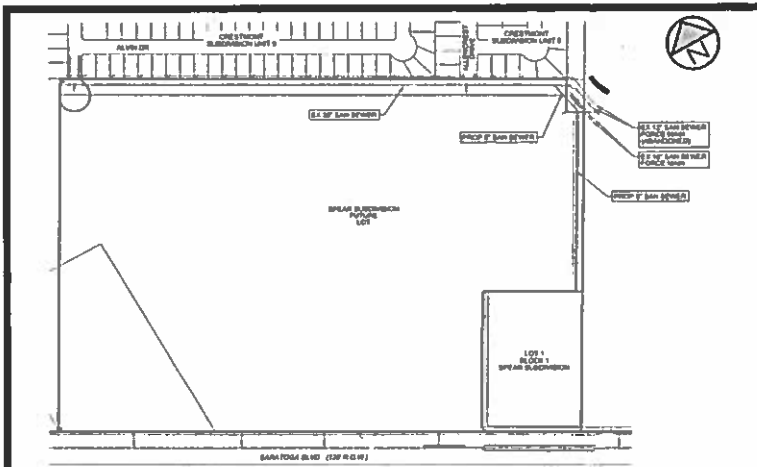
DATE	REVISION	BY	CHKD
03-27-14	1	...	...
03-27-14	2	...	...
03-27-14	3	...	...
03-27-14	4	...	...
03-27-14	5	...	...

**GILS**  
**GOODWIN LASTER & STRONG**  
 ENGINEERS, ARCHITECTS & PLANNERS  
 1000 ...  
 ...

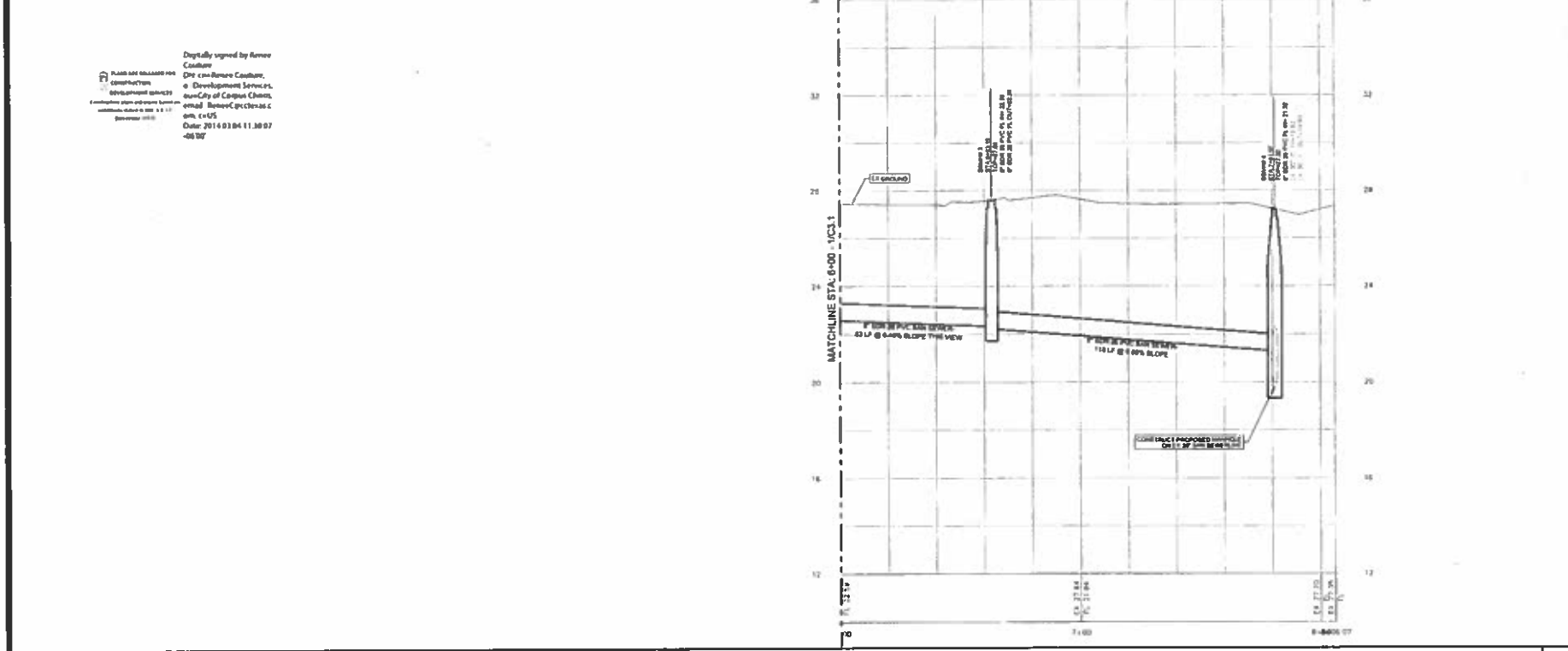


Spear Subdivision Utility Extensions  
 Spear Consolidated, LTD  
 Corpus Christi, Texas  
 Sanitary Sewer Plan and Profile Sta. 0+00 - Sta. 6+00

CONTRACT NO. 090055  
 SHEET NO. C3.1



Sanitary Sewer Map r-200'-0" 3 Sanitary Sewer Plan Sta. 6+00 - Sta. 8+06.07 r-20'-0" 2



Sanitary Sewer Profile Sta. 6+00 - Sta. 8+06.07 Horizontal r-20'-0", Vertical 1'-2'-0" 1

Digitally signed by Renee  
Caudrey  
DN: cn=Renee Caudrey,  
o=Development Services,  
ou=City of Corpus Christi,  
email=ReneeC@cityofcc.org,  
c=US  
Date: 2014.03.04 11:38:07  
-06'00'

NO.	DATE	ISSUED FOR
1	02-27-14	Final
2		
3		
4		
5		

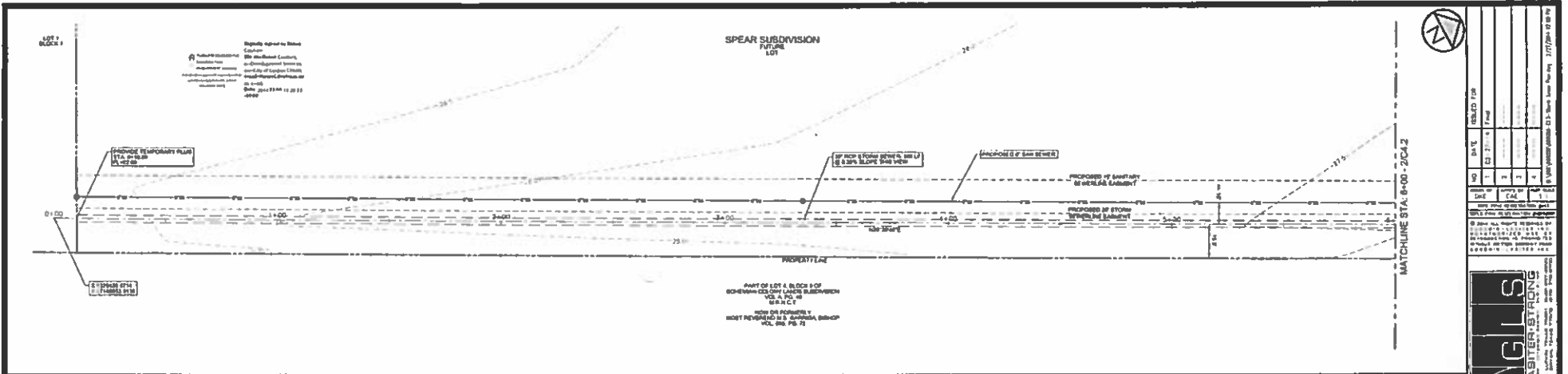
1. THIS PLAN, SPECIFICATIONS AND CONTRACT DOCUMENTS SHALL BE OPEN TO PUBLIC INSPECTION AT THE OFFICE OF THE ENGINEER DURING NORMAL BUSINESS HOURS.



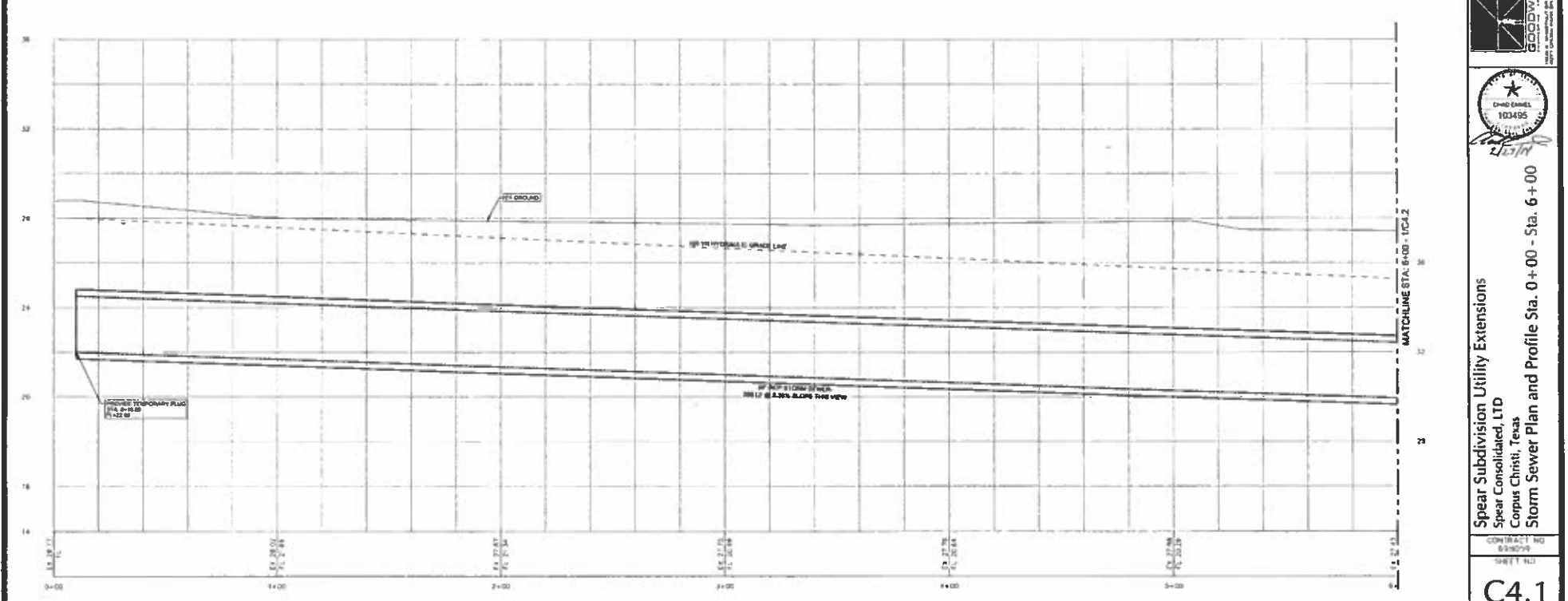
Spear Subdivision Utility Extensions  
Spear Consolidated, LTD  
Corpus Christi, Texas  
Sanitary Sewer Plan and Profile Sta. 6 + 00 - Sta. 8 + 06.07

CONTRACT NO. 690059  
SHEET NO.

C3.2



Storm Sewer Plan Sta. 0+00 - Sta. 6+00 1'-20'-0" 2



Storm Sewer Profile Sta. 0+00 - Sta. 6+00 Horizontal 1'-20'-0", Vertical 1'-2'-0" 1

DATE	REVISION	BY
12/27/11	1	PLM
12/27/11	2	PLM
12/27/11	3	PLM
12/27/11	4	PLM
12/27/11	5	PLM

**GLS**  
**GOODWINLABITERSTRONG**  
 ENGINEERS, ARCHITECTS & PLANNERS  
 1000 GULFVIEW DRIVE, SUITE 200  
 HOUSTON, TEXAS 77057  
 PHONE: 281.416.1000  
 FAX: 281.416.1001  
 WWW.GLS-ENGINEERS.COM

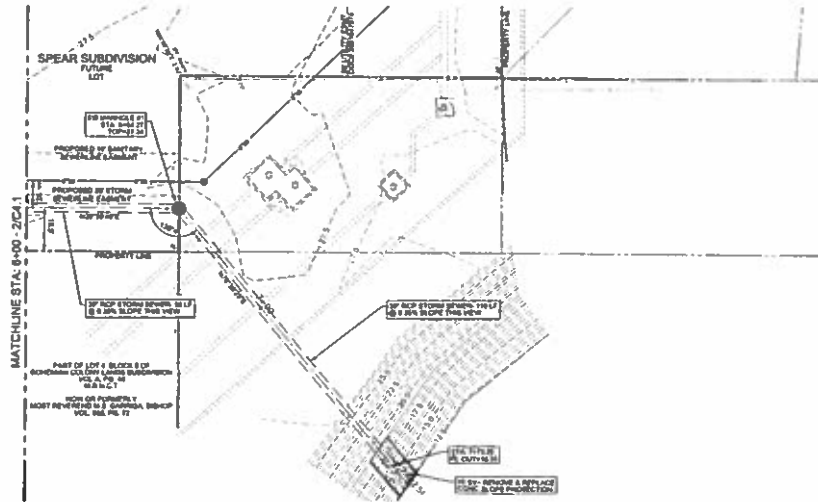


Spear Subdivision Utility Extensions  
 Spear Consolidated, LTD  
 Corpus Christi, Texas  
 Storm Sewer Plan and Profile Sta. 0+00 - Sta. 6+00

CONTRACT NO. 559099  
 SHEET NO.

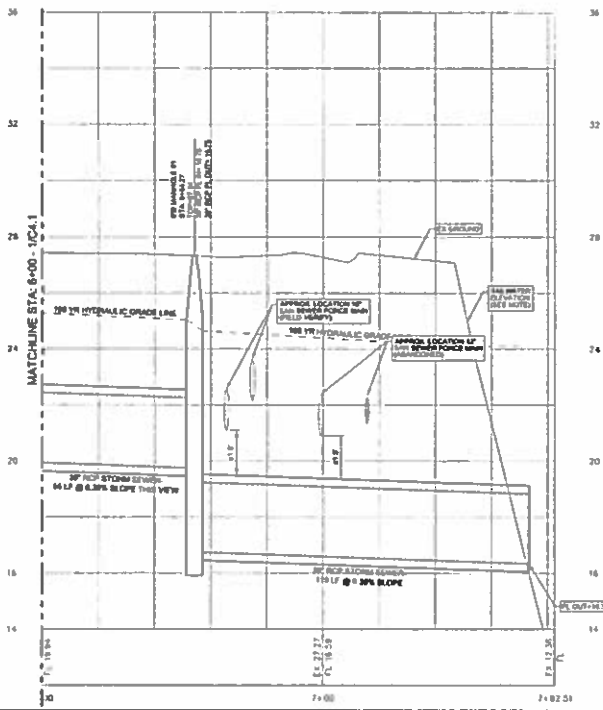
**C4.1**

Digitally signed by Steven  
Cofford  
DN: cn=Steven Cofford,  
o=Environmental Services,  
ou=City of Corpus Christi,  
email=steven.cofford@cityofcc.com,  
c=US  
Date: 2014.01.11 10:14  
-05'07'



Storm Sewer Plan Sta. 6+00 - Sta. 7+82.51

1'-20'-0" 2



NOTE  
THE CALCULATED TIME OF CONCENTRATION FOR  
LOT 4, BLOCK 8 OF SPEAR SUBDIVISION, TYPE 1, AND  
THE 100-YEAR HYDRAULIC GRADE LINE IS 1.5 HOURS.  
THE 200-YEAR HYDRAULIC GRADE LINE IS 1.5 HOURS.  
THE 100-YEAR HYDRAULIC GRADE LINE IS 1.5 HOURS.  
THE 200-YEAR HYDRAULIC GRADE LINE IS 1.5 HOURS.  
THE 100-YEAR HYDRAULIC GRADE LINE IS 1.5 HOURS.  
THE 200-YEAR HYDRAULIC GRADE LINE IS 1.5 HOURS.

Storm Sewer Profile Sta. 6+00 - Sta. 7+82.51

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

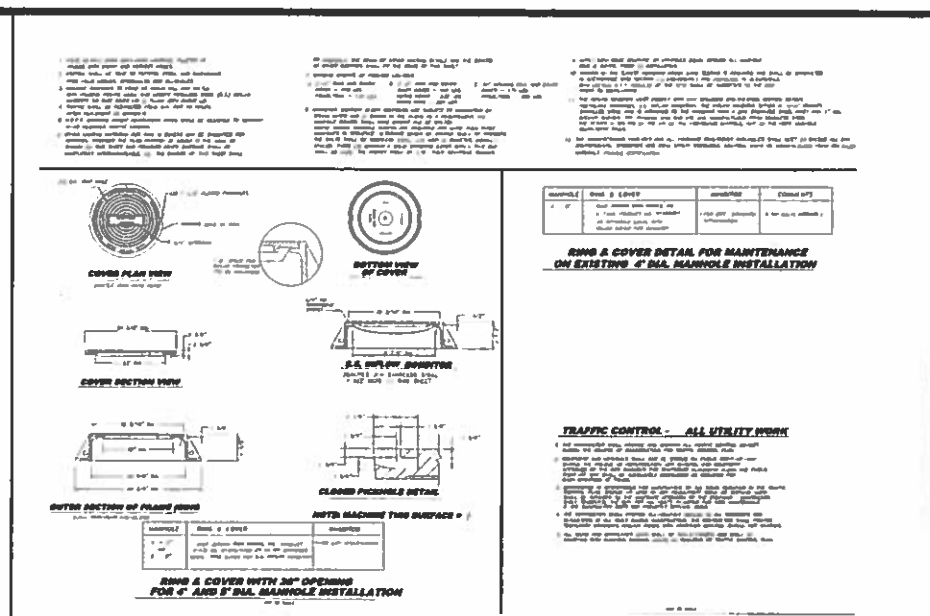
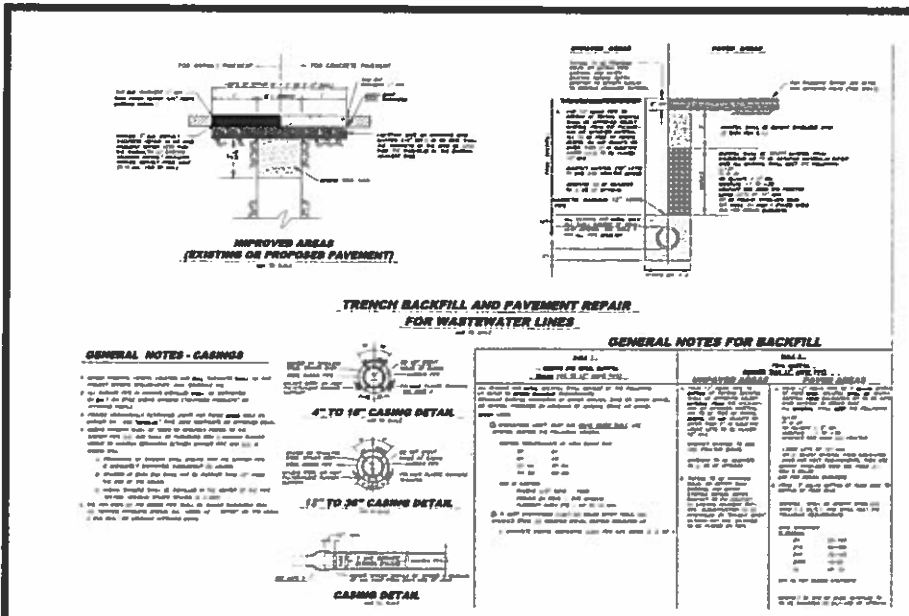
NO.	DATE	BY	CHKD BY
1	01-27-14	SC	SC
2			
3			
4			
5			



Spear Subdivision Utility Extensions  
Spear Consolidated, LTD  
Corpus Christi, Texas  
Storm Sewer Plan and Profile Sta. 6 + 00 - Sta. 7 + 82.51

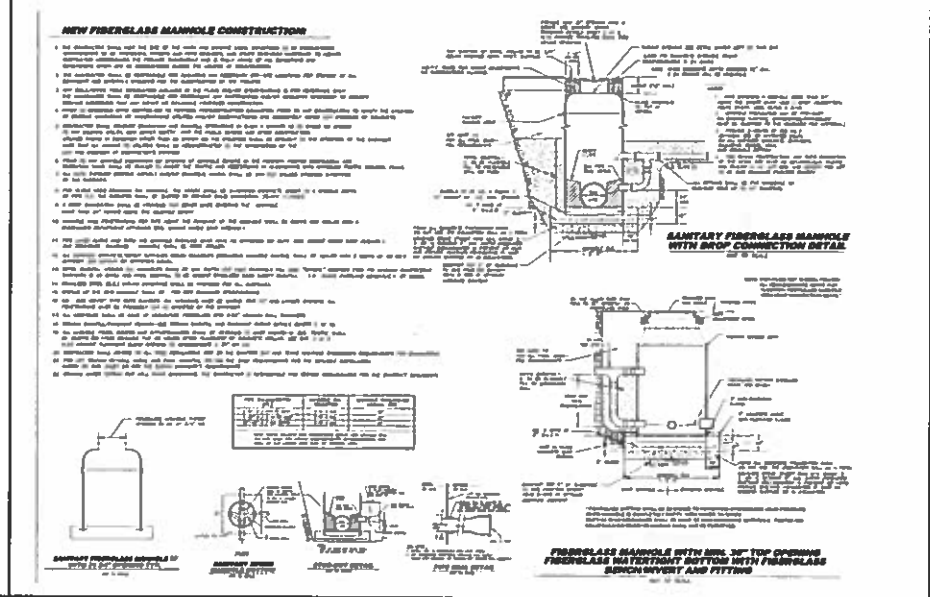
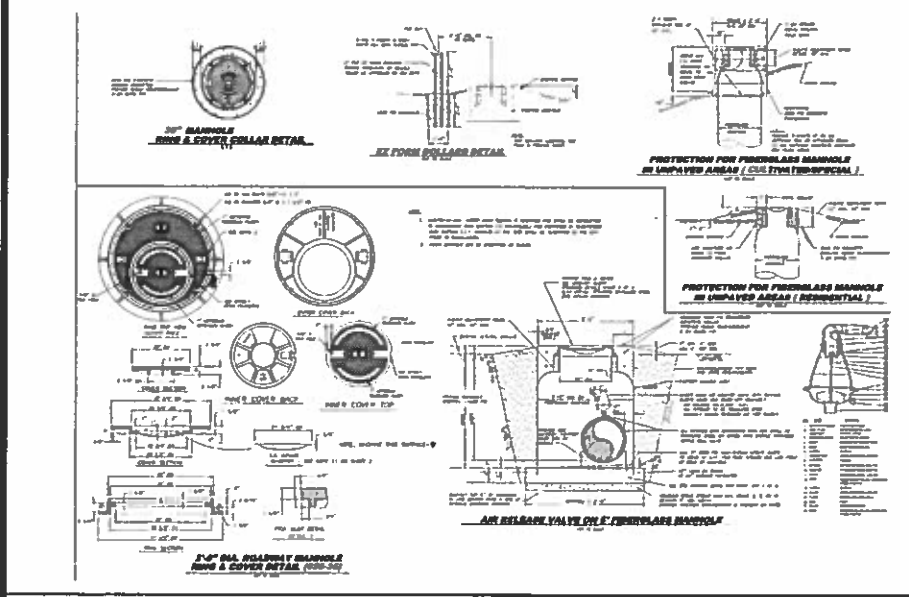
CONTRACT NO.  
690059

SHEET NO.  
C4.2



Pavement Repair Details NTS 4

Ring and Cover Details NTS 2



Manhole Surface Protection NTS 3

Manhole Installation NTS 1

DATE: 12/27/17  
 DRAWN BY: [Name]  
 CHECKED BY: [Name]  
 PROJECT: [Name]  
 SHEET NO. [Number]  
 TOTAL SHEETS: [Number]

**GLS**  
**GOODWIN-LABITER-STRONG**

Spear Subdivision Utility Extensions  
 Spear Consolidated, LTD  
 Corpus Christi, Texas  
 Project Details

CONTRACT NO. 638059  
 SHEET NO. [Number]


**C5.1**

### WATER DISTRIBUTION SYSTEM GENERAL NOTES

1. Materials and construction shall be in accordance with the latest editions of the specifications for the work shown. All materials shall be of the highest quality and shall be approved by the Engineer before use.
2. All work shall be done in accordance with the approved plans and specifications. All work shall be done in a neat and workmanlike manner.
3. All work shall be done in accordance with the approved plans and specifications. All work shall be done in a neat and workmanlike manner.
4. All work shall be done in accordance with the approved plans and specifications. All work shall be done in a neat and workmanlike manner.
5. All work shall be done in accordance with the approved plans and specifications. All work shall be done in a neat and workmanlike manner.


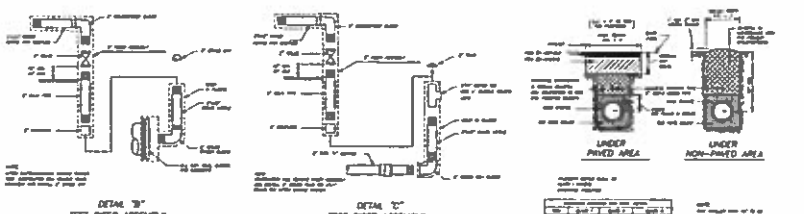
### SEPARATION OF WATER AND SANITARY SEWER LINES

1. The minimum separation between water and sanitary sewer lines shall be 10 feet.
2. Where the separation is less than 10 feet, the water line shall be installed in a separate trench with a concrete cover.



### INTERLINE MINIMUM COVER REQUIREMENTS

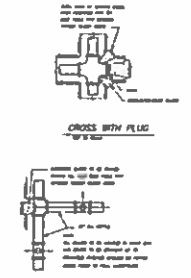
1. The minimum cover over interline connections shall be 18 inches.
2. The cover shall be made of concrete or steel.
3. The cover shall be set in a concrete base.

### DETAIL "B" TEST RISER ASSEMBLY

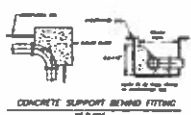
### DETAIL "C" TEST RISER ASSEMBLY

### DETAIL "D" TEST RISER ASSEMBLY CONNECTION



### CROSS WITH PLUG

### TYPICAL PLAN OF VALVE & THRUST BLOCK LOCATIONS



### CONCRETE SUPPORT BEHIND FITTING

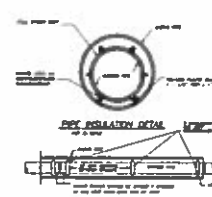
Valve Size	Concrete Support Width	Concrete Support Depth
1/2"	12"	12"
3/4"	12"	12"
1"	12"	12"
1 1/4"	12"	12"
1 1/2"	12"	12"
2"	12"	12"
2 1/2"	12"	12"
3"	12"	12"
3 1/2"	12"	12"
4"	12"	12"
4 1/2"	12"	12"
5"	12"	12"
6"	12"	12"
8"	12"	12"
10"	12"	12"

DATE	ISSUED FOR
NO.	BY
REV.	BY
DATE	BY

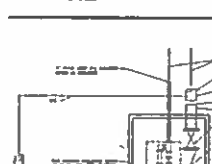


Standard Water Details N.T.S. 4

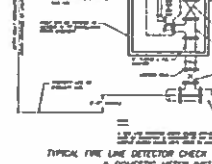
Standard Water Details N.T.S. 2




### CASING SPACERS



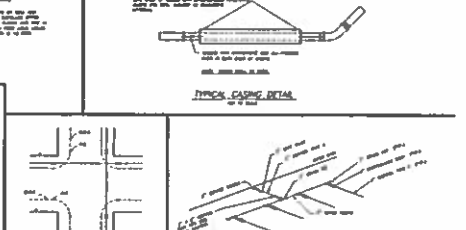
### PIPE INSULATION DETAIL



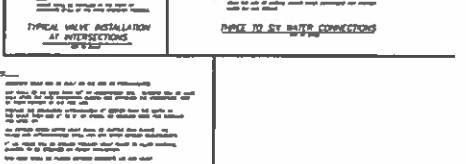
### INSULATOR SPACING DETAIL



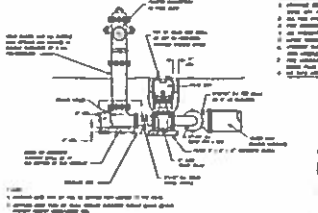
### TYPICAL VALVE INSTALLATION AT INTERSECTION



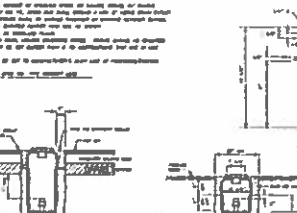
### PIPE TO SIX VALVE CONNECTION



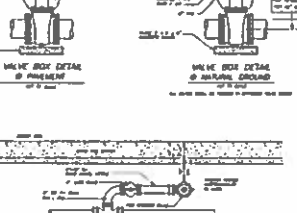
### TYPICAL FIRE HYDRANT ASSEMBLY DETAIL



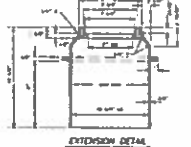
### FIRE HYDRANT ASSEMBLY DETAIL




### VALVE BOX DETAIL @ MANHOLE




### VALVE BOX DETAIL @ RETAINING GROUND



### EXTENSION DETAIL



### ROCK NOTCH



### LID DETAIL

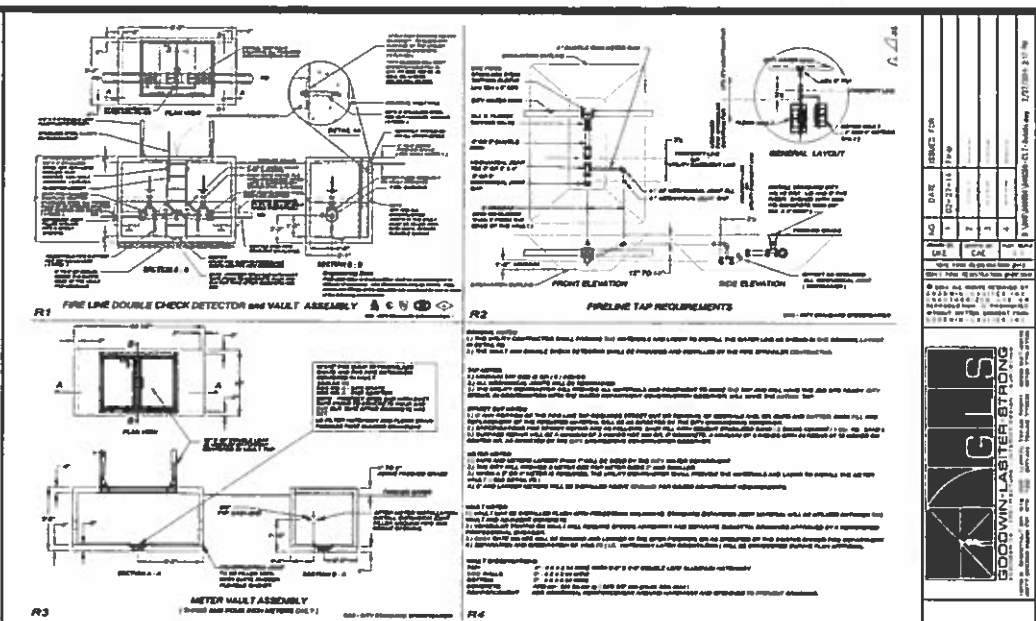
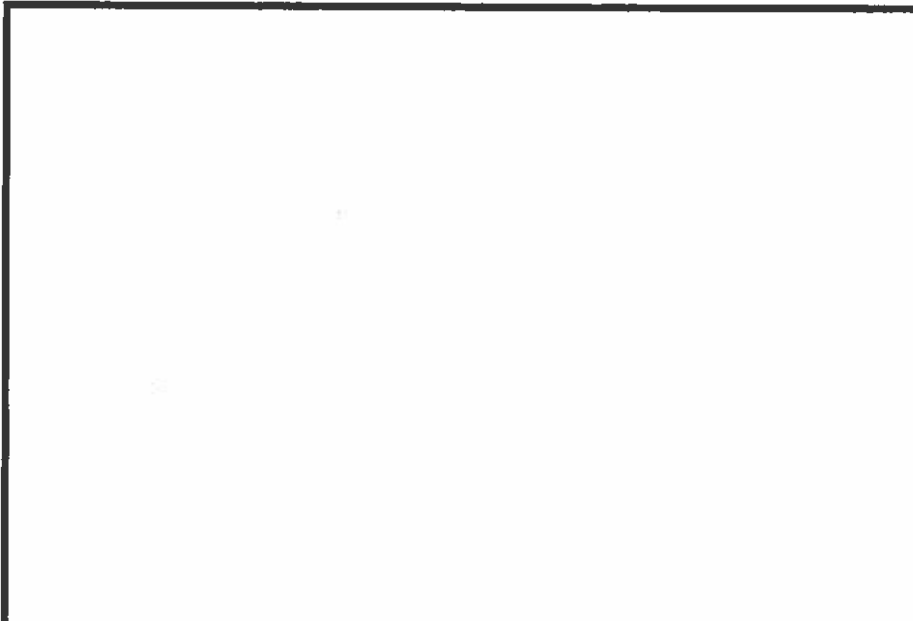
Standard Water Details N.T.S. 3

Standard Water Details N.T.S. 1

Spear Subdivision Utility Extensions  
Spear Consolidated, LTD  
Corpus Christi, Texas  
Project Details

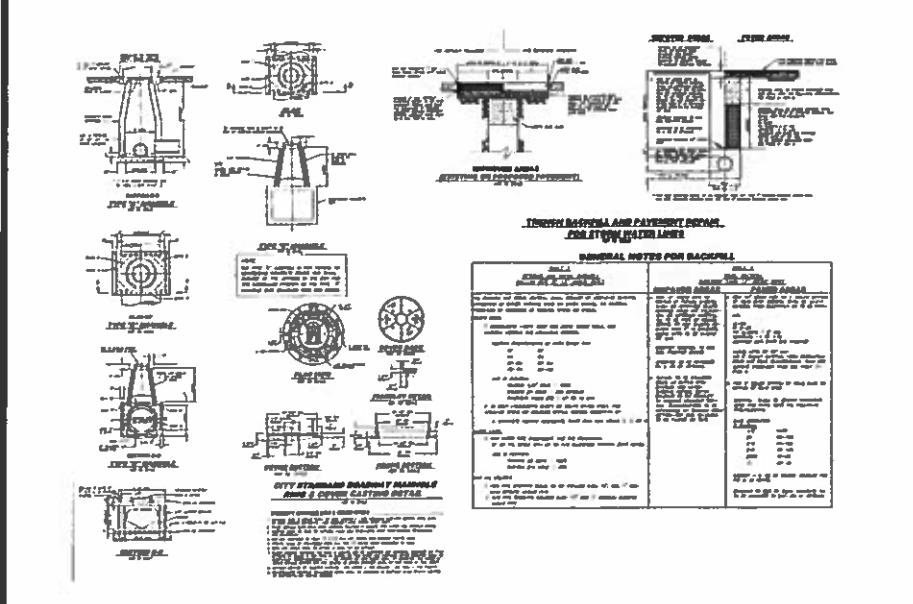
CONTRACT NO. 698059  
SHEET NO. C5.2



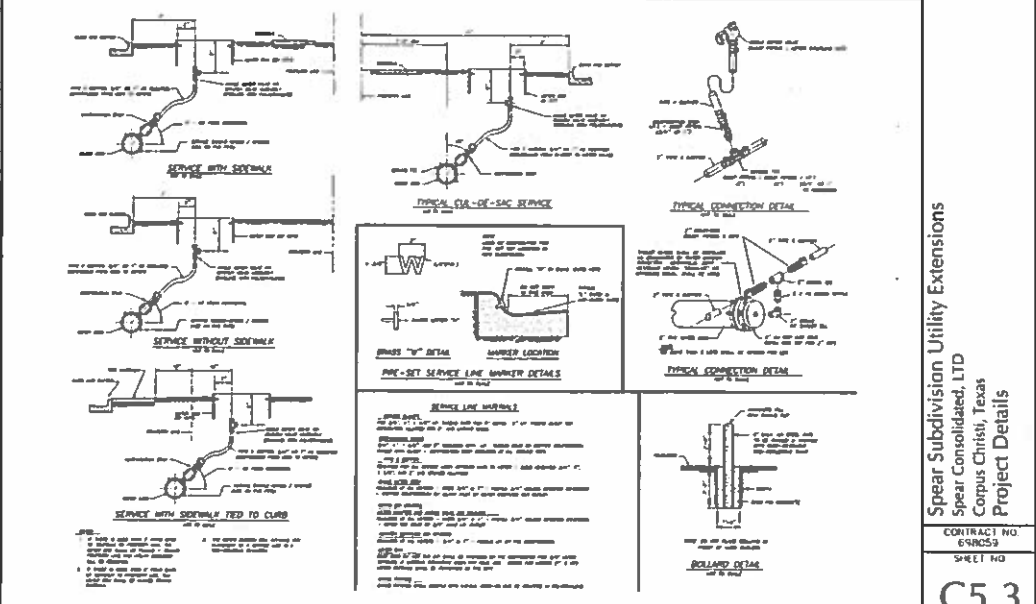


Not Used 4

Standard Water Details N.T.S. 2



Standard Storm Water Details N.T.S. 3



Standard Water Details N.T.S. 1

NO.	DATE	REVISION
1	02-21-11	1
2		2
3		3
4		4

LOG: \_\_\_\_\_  
 LMS: \_\_\_\_\_  
 CAC: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 PROJECT: \_\_\_\_\_  
 SHEET NO.: \_\_\_\_\_  
 TOTAL SHEETS: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 APPROVED BY: \_\_\_\_\_  
 TITLE: \_\_\_\_\_

**AGLS**  
**GOODWIN-LABIER-STRONG**  
 Spear Subdivision Utility Extensions  
 Spear Consolidated, LTD  
 Corpus Christi, Texas  
 Project Details

CONTRACT NO. 649059  
 SHEET NO.

C5.3



**GOODWIN - LASITER - STRONG**  
 ENGINEERS ARCHITECTS INTERIORS SURVEYORS  
 4077 CROSS PARK DRIVE, SUITE 100  
 BRYAN, TEXAS 77845  
 979-776-9700 FAX 979-776-3838

Project: **Spear Subdivision Utility Extension**

**Total Project Cost Estimate**

Date: March 25, 2014

GLS # 698059

Page 1 of 2

**CONSTRUCTION COST ESTIMATES**

Item	Description	Qty	Unit	Unit Price	Total
<b>General Items</b>					
1	Storm Water Pollution Prevention Plan	1	LS	\$1,200.00	\$1,200.00
2	Site Cleanup & Seeding	1	LS	\$1,500.00	\$1,500.00
<b>Sub-Total.....</b>					<b>\$2,700.00</b>
<b>Drainage</b>					
1	30" RCP Storm Sewer	819	LF	\$130.00	\$106,470.00
2	5' Manhole	1	EA	\$6,000.00	\$6,000.00
3	Remove & Replace Concrete Slope Protection	19	SY	\$25.00	\$475.00
4	Trench Safety	819	LF	\$1.00	\$819.00
<b>Sub - Total.....</b>					<b>\$112,945.00</b>
<b>Water</b>					
1	12" PVC (C-900) Water Line	1,138	LF	\$45.00	\$51,210.00
2	12" Gate Valve	3	EA	\$3,500.00	\$10,500.00
3	Fire Hydrant	5	EA	\$3,500.00	\$17,500.00
4	Connect to Existing Water Line	1	EA	\$300.00	\$300.00
5	Trench Safety	974	LF	\$1.00	\$974.00
6	Remove & Replace Concrete Pavement	18	SY	\$50.00	\$900.00
7	Remove & Replace Curb & Gutter	10	LF	\$25.00	\$250.00
8	Remove & Replace Asphalt Pavement	14	SY	\$45.00	\$630.00
9	Remove & Replace Concrete Sidewalk	8	SY	\$50.00	\$400.00
<b>TOTAL FOR 12" WATERLINE AND RELATED ITEMS.....</b>					<b>\$82,664.00</b>
1	8" PVC (C-900) Water Line	487	LF	\$35.00	\$17,045.00
2	2" PEP Water Line	487	LF	\$7.50	\$3,652.50
3	Short (single) water service transfer	2	EA	\$400.00	\$800.00
4	8" Gate Valve	1	EA	\$2,000.00	\$2,000.00
5	6" Gate Valve	1	EA	\$1,800.00	\$1,800.00
6	2" Blow Off	1	EA	\$500.00	\$500.00
<b>TOTAL FOR 8" WATERLINE AND RELATED ITEMS.....</b>					<b>\$25,797.50</b>
<b>Sub - Total.....</b>					<b>\$108,461.50</b>
<b>Sewer</b>					
1	8" SDR 26 PVC Sanitary Sewer	771	LF	\$44.00	\$33,924.00
2	5' Manhole	1	EA	\$6,000.00	\$6,000.00
3	4' Manhole	3	EA	\$5,000.00	\$15,000.00
4	Trench Safety	771	LF	\$1.00	\$771.00
<b>Sub - Total.....</b>					<b>\$55,695.00</b>
<b>Construction Cost Estimate SUBTOTAL.....</b>					<b>\$279,801.50</b>
<b>Design Survey and Engineering Design.....</b>					<b>\$24,000.00</b>
<b>TOTAL PROJECT COST ESTIMATE @ 110%.....</b>					<b>\$334,181.65</b>



**GOODWIN - LASITER - STRONG**  
 ENGINEERS ARCHITECTS INTERIORS SURVEYORS  
 4077 CROSS PARK DRIVE, SUITE 100  
 BRYAN, TEXAS 77845  
 979-776-9700 FAX 979-776-3838

Project: **Spear Subdivision 12" Water Extension**  
**Project Cost Estimate**

Date: March 25, 2014

GLS # 698059

Page 1 of 1

**CONSTRUCTION COST ESTIMATES**

Item	Description	Qty	Unit	Unit Price	Total
<b>12" Waterline Extension</b>					
1	12" PVC (C-900) Water Line	1,138	LF	\$45.00	\$51,210.00
2	12" Gate Valve	3	EA	\$3,500.00	\$10,500.00
3	Fire Hydrant	5	EA	\$3,500.00	\$17,500.00
4	Connect to Existing Water Line	1	EA	\$300.00	\$300.00
5	Trench Safety	974	LF	\$1.00	\$974.00
6	Remove & Replace Concrete Pavement	18	SY	\$50.00	\$900.00
7	Remove & Replace Curb & Gutter	10	LF	\$25.00	\$250.00
8	Remove & Replace Asphalt Pavement	14	SY	\$45.00	\$630.00
9	Remove & Replace Concrete Sidewalk	8	SY	\$50.00	\$400.00
<b>TOTAL FOR 12" WATERLINE AND RELATED ITEMS.....</b>					<b>\$82,664.00</b>
<b>Engineering Design Fee.....</b>					<b>\$7,729.08</b>
<b>TOTAL 12" Water Main Extension.....</b>					<b>\$90,393.08</b>
<b>Less Lot Acreage Fee.....</b>					<b>\$5,856.73</b>
<b>Waterline Reimbursement.....</b>					<b>\$84,536.35</b>



DISCLOSURE OF INTERESTS

City of Corpus Christi Ordinance 17112, as amended, requires all persons or firms seeking to do business with the City to provide the following information. Every question must be answered. If the question is not applicable, answer with "NA".

NAME: SPEAR CONSOLIDATED, LTD

STREET: 2255. CARANCAHUA CITY: CORPUS CHRISTI, TX ZIP: 78401

FIRM is: [ ] Corporation [X] Partnership [ ] Sole Owner [ ] Association [ ] Other

DISCLOSURE QUESTIONS

If additional space is necessary, please use the reverse side of this page or attach separate sheet.

1. State the names of each "employee" of the City of Corpus Christi having an "ownership interest" constituting 3% or more of the ownership in the above named "firm".

Name Job Title and City Department (if known)
N/A N/A

2. State the names of each "official" of the City of Corpus Christi having an "ownership interest" constituting 3% or more of the ownership in the above named "firm".

Name Title
N/A N/A

3. State the names of each "board member" of the City of Corpus Christi having an "ownership interest" constituting 3% or more of the ownership in the above named "firm".

Name Board, Commission, or Committee
MORGAN SPEAR BOARD OF ADJUSTMENT

4. State the names of each employee or officer of a "consultant" for the City of Corpus Christi who worked on any matter related to the subject of this contract and has an "ownership interest" constituting 3% or more of the ownership in the above named "firm".

Name Consultant
N/A N/A

CERTIFICATE

I certify that all information provided is true and correct as of the date of this statement, that I have not knowingly withheld disclosure of any information requested; and that supplemental statements will be promptly submitted to the City of Corpus Christi, Texas as changes occur.

Certifying Person: MORGAN SPEAR (Print)

Title: MANAGING PARTNER

Signature of Certifying Person: Morgan Spear

Date: 4/9/14

## DEFINITIONS

- a. "Board Member". A member of any board, commission or committee appointed by the City Council of the City of Corpus Christi, Texas.
- b. "Employee". Any person employed by the City of Corpus Christi, Texas, either on a full or part time basis, but not as an independent contractor.
- c. "Firm". Any entity operated for economic gain, whether professional, industrial or commercial and whether established to produce or deal with a product or service, including but not limited to, entities operated in the form of sole proprietorship, as self-employed person, partnership, corporation, joint stock company, joint venture, receivership or trust and entities which, for purposes of taxation, are treated as non-profit organizations.
- d. "Official". The Mayor, members of the City Council, City Manager, Deputy City Manager, Assistant City Managers, Department and Division Heads and Municipal Court Judges of the City of Corpus Christi, Texas.
- e. "Ownership Interest". Legal or equitable interest, whether actually or constructively held, in a firm, including when such interest is held through an agent, trust, estate or holding entity. "Constructively held" refers to holding or control established through voting trusts, proxies or special terms of venture or partnership agreements.
- f. "Consultant". Any person or firm, such as engineers and architects, hired by the City of Corpus Christi for the purpose of professional consultation and recommendation.