

DESIGN DEVELOPMENT PHASE

Ryan Street Streetscape Project



City of Lake Charles
Project No. P.08.SI.0

Prepared By:

DWJ

D. W. Jessen & Associates, LLC

Civil and Consulting Engineers Lake Charles, Louisiana

440 Kirby Street Lake Charles, LA 70601
Phone: (337)433-0561 Fax: (337)433-5842

D. W. Jessen, Jr., P.E., P.L.S.
C.E. La. Reg. No. 21449 P.L.S. La. Reg. No. 4646



MOORE PLANNING GROUP, LLC
LANDSCAPE ARCHITECTS ■ SITE PLANNERS
301 Jackson Street Suite, 304 Alexandria, LA 71301
Phone: (318) 445-2825 Fax: (318) 443-2349

LECHTENBERG

Consulting

ELECTRICAL, MECHANICAL, & PROJECT ENGINEERING

Approved

Walt Jessen
DW Jessen & Associates, LLC

Date

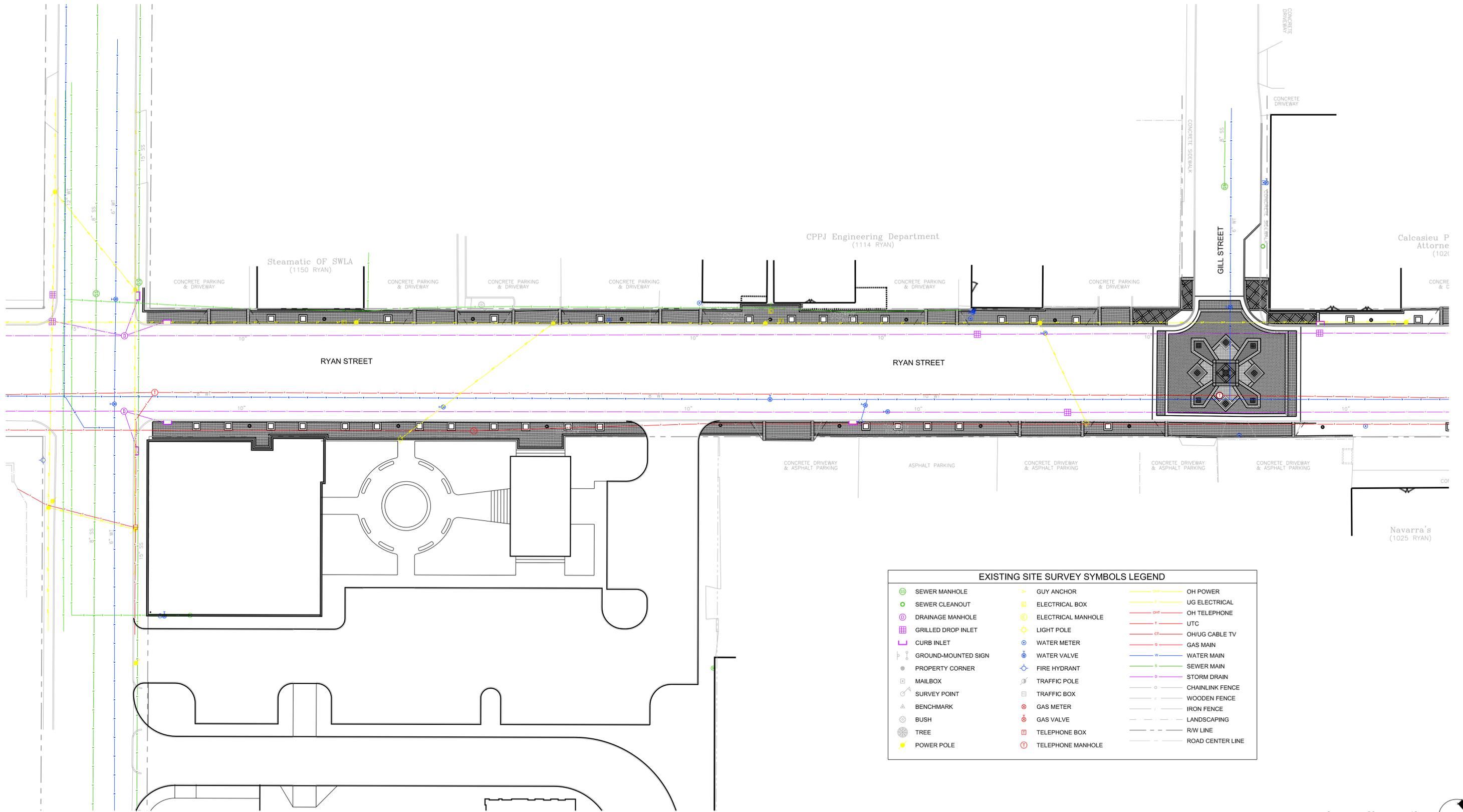
Owner
City of Lake Charles

Date

Submitted: February 4, 2009

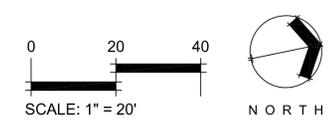
Perspective Sketch





EXISTING SITE SURVEY SYMBOLS LEGEND

SEWER MANHOLE	GUY ANCHOR	OH POWER
SEWER CLEANOUT	ELECTRICAL BOX	UG ELECTRICAL
DRAINAGE MANHOLE	ELECTRICAL MANHOLE	OH TELEPHONE
GRILLED DROP INLET	LIGHT POLE	UTC
CURB INLET	WATER METER	OH/UG CABLE TV
GROUND-MOUNTED SIGN	WATER VALVE	GAS MAIN
PROPERTY CORNER	FIRE HYDRANT	WATER MAIN
MAILBOX	TRAFFIC POLE	SEWER MAIN
SURVEY POINT	TRAFFIC BOX	STORM DRAIN
BENCHMARK	GAS METER	CHAINLINK FENCE
BUSH	GAS VALVE	WOODEN FENCE
TREE	TELEPHONE BOX	IRON FENCE
POWER POLE	TELEPHONE MANHOLE	LANDSCAPING
		R/W LINE
		ROAD CENTER LINE

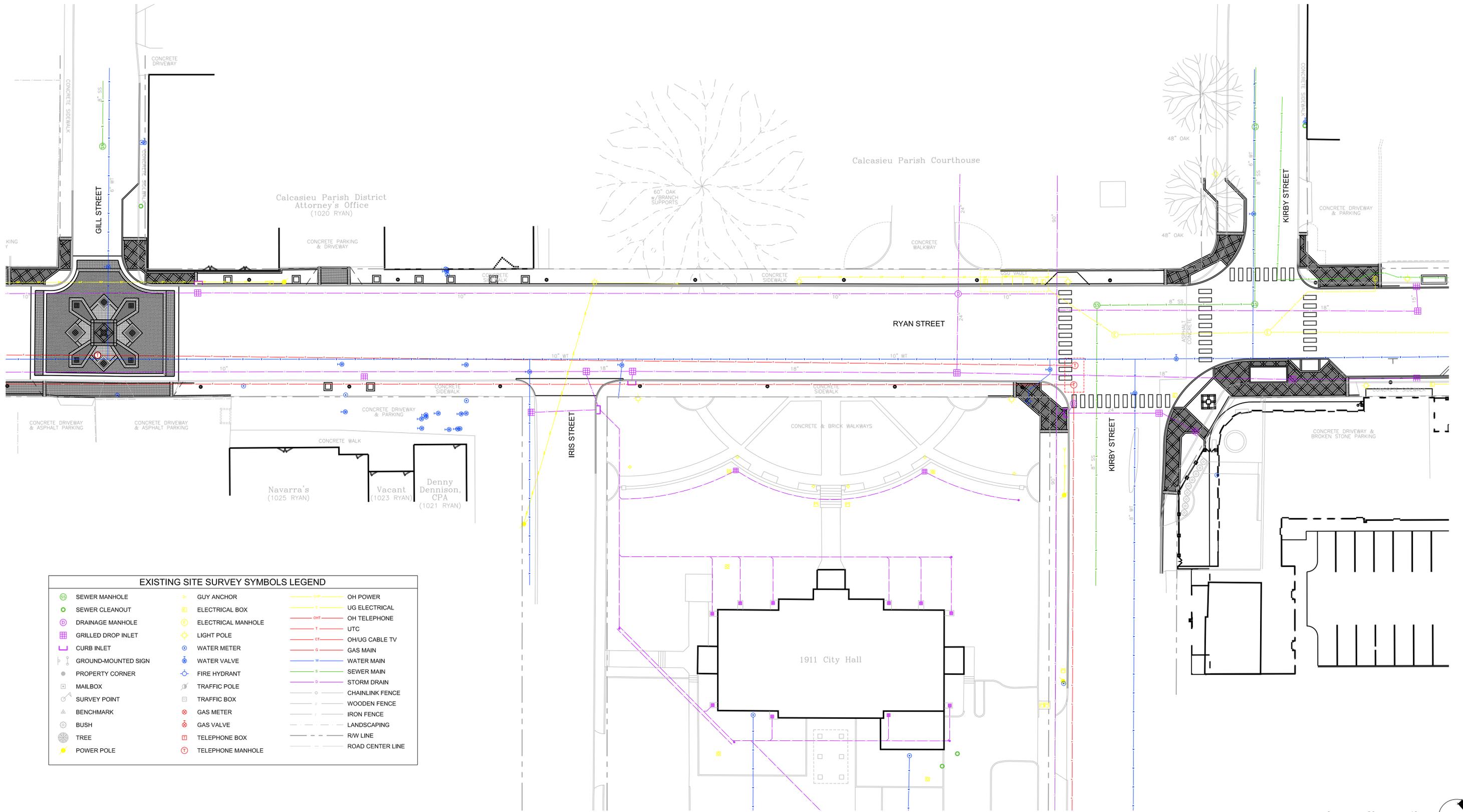


Clarence Street To Gill Street Ryan Street Streetscape Project - Design Development Phase

City of Lake Charles, Louisiana

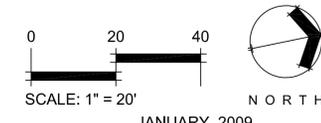
DWJ
D. W. Jessen & Associates, LLC
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 440 Kirby Street - Lake Charles, LA 70601
 Phone: (337)433-0561 Fax: (337)433-5842
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Moore Planning Group, LLC
 LANDSCAPE ARCHITECTS • SITE PLANNERS
 301 Jackson St., Suite 304 • Alexandria, LA 71301
 Phone: 318-445-2825 • Fax: 318-443-2349



EXISTING SITE SURVEY SYMBOLS LEGEND

	SEWER MANHOLE		GUY ANCHOR		OH POWER
	SEWER CLEANOUT		ELECTRICAL BOX		UG ELECTRICAL
	DRAINAGE MANHOLE		ELECTRICAL MANHOLE		OH TELEPHONE
	GRILLED DROP INLET		LIGHT POLE		UTC
	CURB INLET		WATER METER		OH/UG CABLE TV
	GROUND-MOUNTED SIGN		WATER VALVE		GAS MAIN
	PROPERTY CORNER		FIRE HYDRANT		WATER MAIN
	MAILBOX		TRAFFIC POLE		SEWER MAIN
	SURVEY POINT		TRAFFIC BOX		STORM DRAIN
	BENCHMARK		GAS METER		CHAINLINK FENCE
	BUSH		GAS VALVE		WOODEN FENCE
	TREE		TELEPHONE BOX		IRON FENCE
	POWER POLE		TELEPHONE MANHOLE		LANDSCAPING
					R/W LINE
					ROAD CENTER LINE



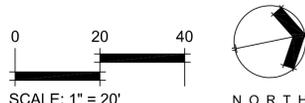
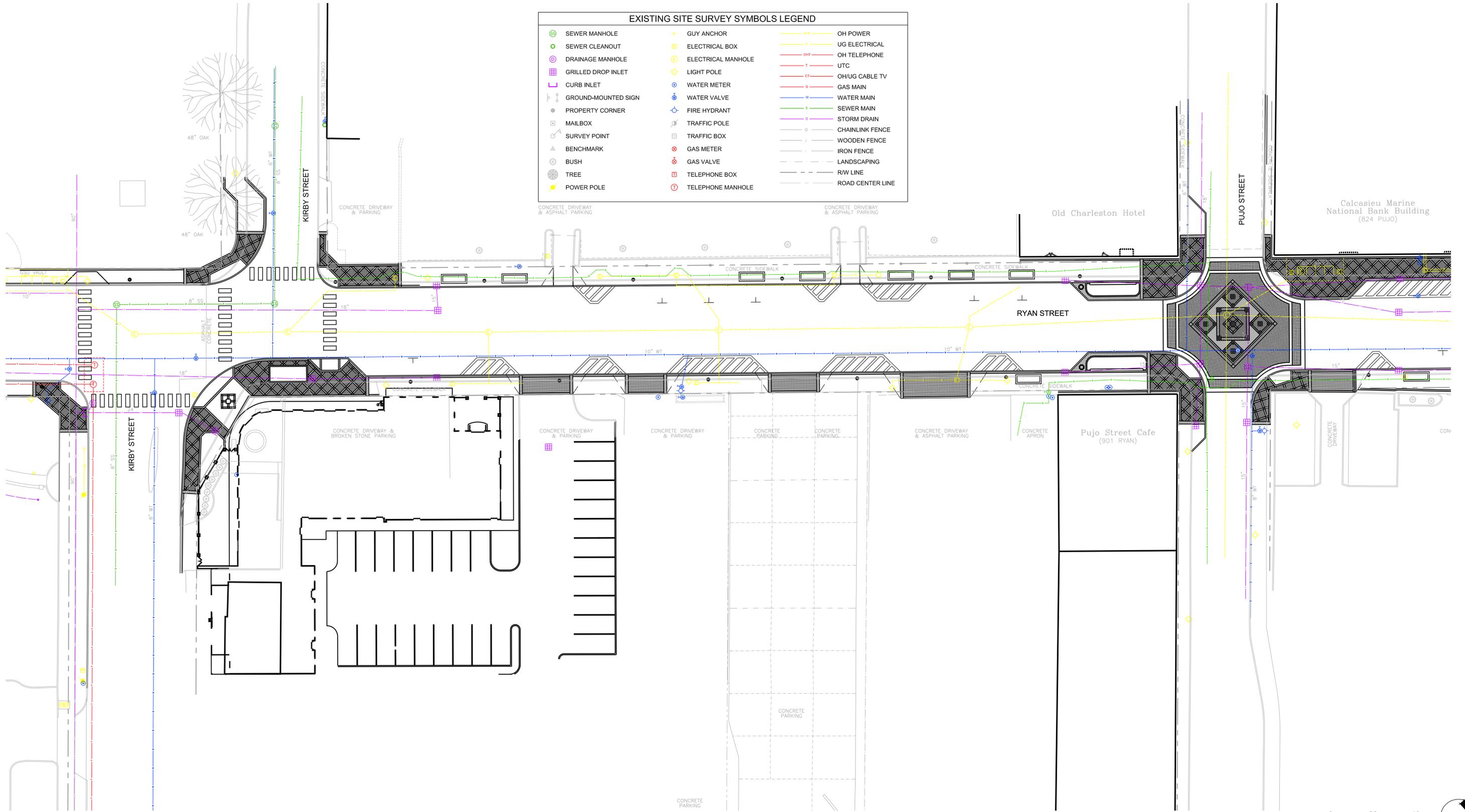
Gill Street To Kirby Street Ryan Street Streetscape Project - Design Development Phase

City of Lake Charles, Louisiana

DWJ
D. W. Jessen & Associates, LLC
 Civil and Consulting Engineers - Lake Charles, Louisiana
 440 Kirby Street Lake Charles, LA 70601
 Phone: (337)433-0561 Fax: (337)433-5842
 D. W. Jessen, Jr., P.E., P.L.S.
 C.E. La. Reg. No. 21149 P.L.S. La. Reg. No. 4646

Moore Planning Group, LLC
 LANDSCAPE ARCHITECTS • SITE PLANNERS
 301 Jackson St., Suite 304 • Alexandria, LA 71301
 Phone: 318-445-2825 • Fax: 318-443-2349

EXISTING SITE SURVEY SYMBOLS LEGEND			
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	SEWER CLEANOUT		UG ELECTRICAL
	DRAINAGE MANHOLE		OH TELEPHONE
	GRILLED DROP INLET		UTC
	CURB INLET		OH/UG CABLE TV
	GROUND-MOUNTED SIGN		GAS MAIN
	PROPERTY CORNER		WATER MAIN
	MAILBOX		SEWER MAIN
	SURVEY POINT		STORM DRAIN
	BENCHMARK		CHAINLINK FENCE
	BUSH		WOODEN FENCE
	TREE		IRON FENCE
	POWER POLE		LANDSCAPING
	GUY ANCHOR		R/W LINE
	ELECTRICAL BOX		ROAD CENTER LINE
	ELECTRICAL MANHOLE		
	LIGHT POLE		
	WATER METER		
	WATER VALVE		
	FIRE HYDRANT		
	TRAFFIC POLE		
	TRAFFIC BOX		
	GAS METER		
	GAS VALVE		
	TELEPHONE BOX		
	TELEPHONE MANHOLE		



Kirby Street To Pujo Street Ryan Street Streetscape Project - Design Development Phase

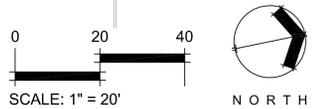
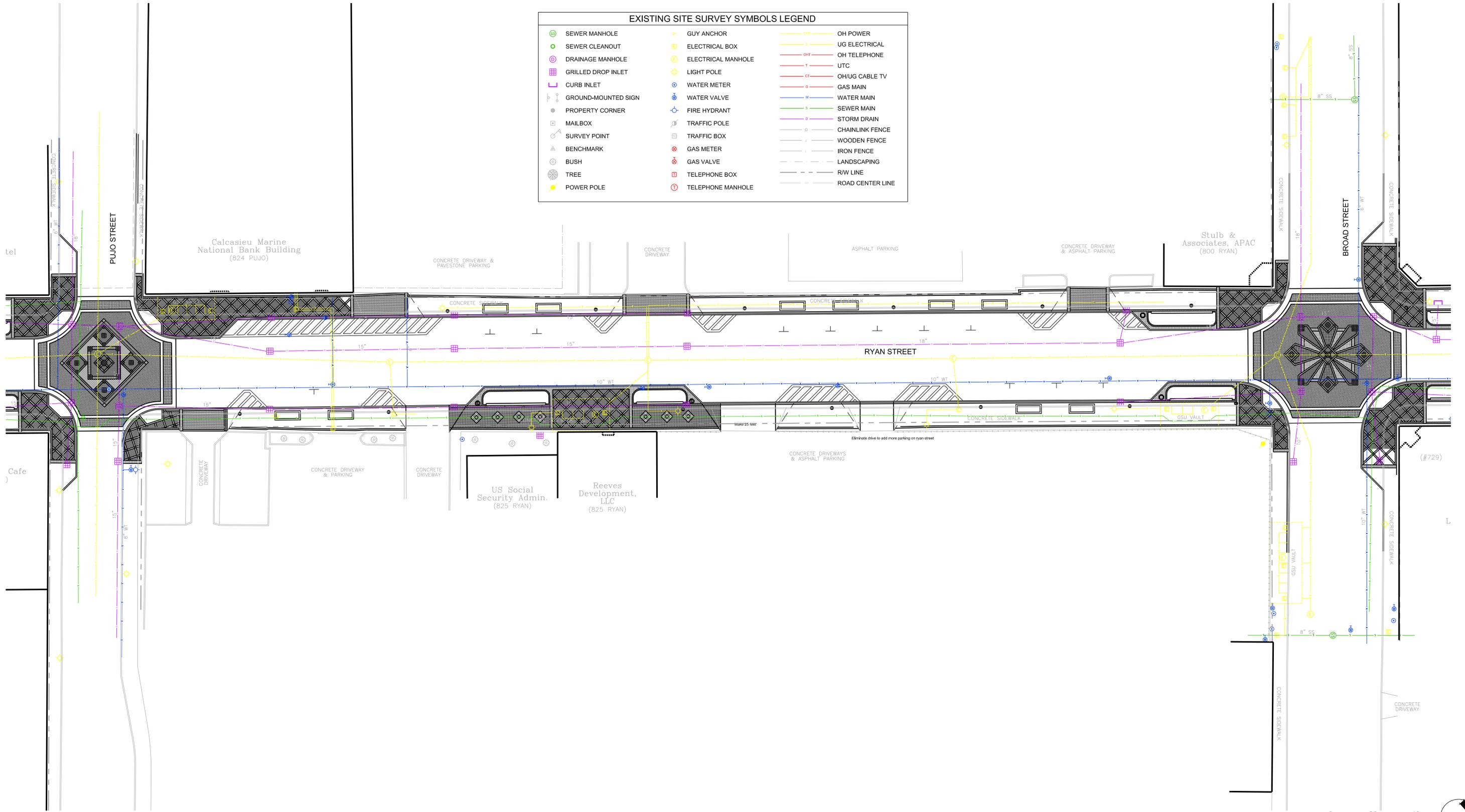
City of Lake Charles, Louisiana

DWJ
 D. W. Jessen & Associates, LLC
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 440 Kirby Street Lake Charles, LA 70601
 Phone: (337)433-0561 Fax: (337)433-5842
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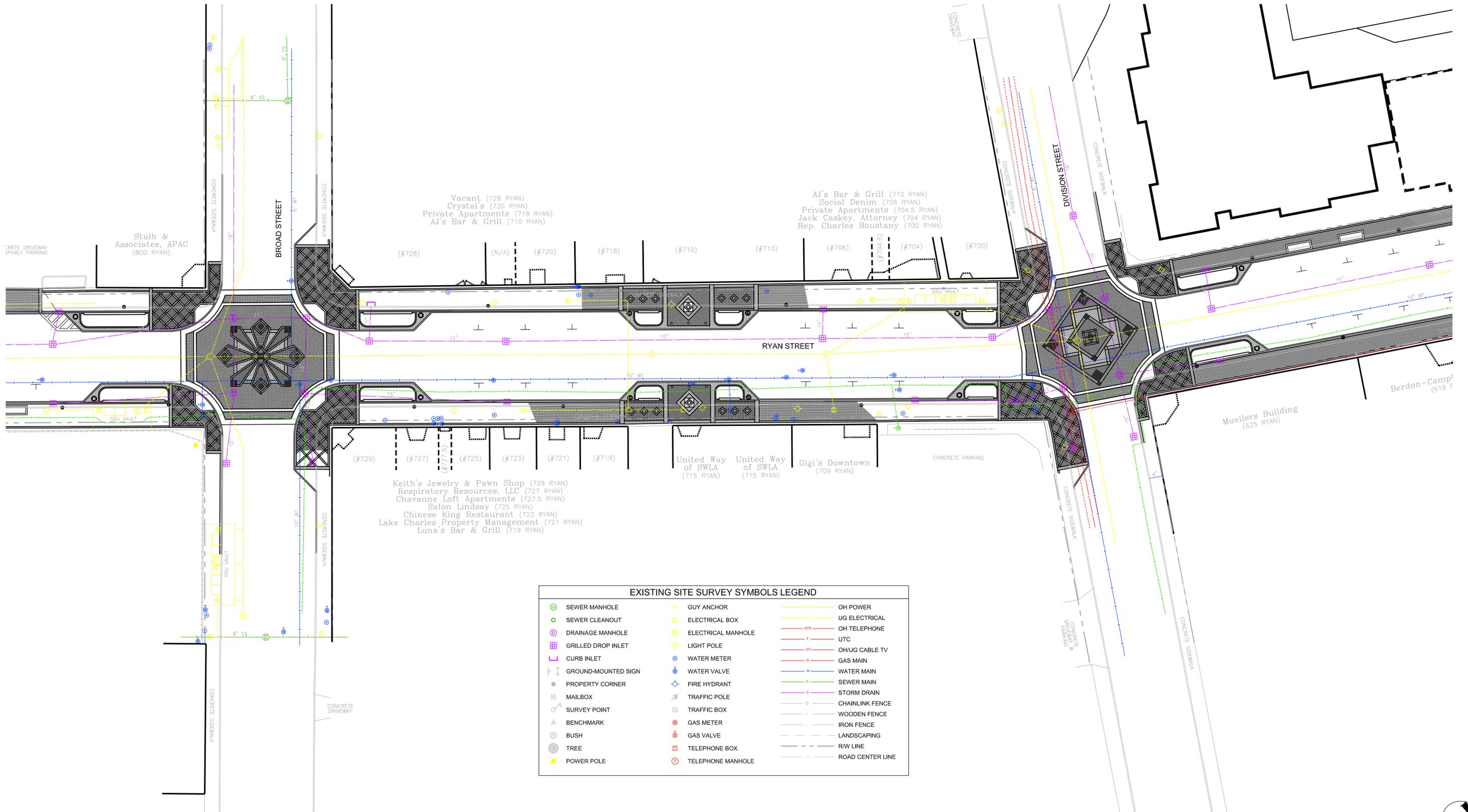
JANUARY, 2009

Moore Planning Group, LLC
 LANDSCAPE ARCHITECTS • SITE PLANNERS
 301 Jackson St., Suite 304 • Alexandria, LA 71301
 Phone: 318-445-2825 • Fax: 318-443-2349

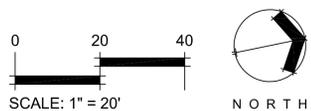
EXISTING SITE SURVEY SYMBOLS LEGEND			
	SEWER MANHOLE		OH POWER
	SEWER CLEANOUT		UG ELECTRICAL
	DRAINAGE MANHOLE		OH TELEPHONE
	GRILLED DROP INLET		UTC
	CURB INLET		OH/UG CABLE TV
	GROUND-MOUNTED SIGN		GAS MAIN
	PROPERTY CORNER		WATER MAIN
	MAILBOX		SEWER MAIN
	SURVEY POINT		STORM DRAIN
	BENCHMARK		CHAINLINK FENCE
	BUSH		WOODEN FENCE
	TREE		IRON FENCE
	POWER POLE		LANDSCAPING
	GUY ANCHOR		R/W LINE
	ELECTRICAL BOX		ROAD CENTER LINE
	ELECTRICAL MANHOLE		
	LIGHT POLE		
	WATER METER		
	WATER VALVE		
	FIRE HYDRANT		
	TRAFFIC POLE		
	TRAFFIC BOX		
	GAS METER		
	GAS VALVE		
	TELEPHONE BOX		
	TELEPHONE MANHOLE		



Pujo Street To Broad Street Ryan Street Streetscape Project - Design Development Phase

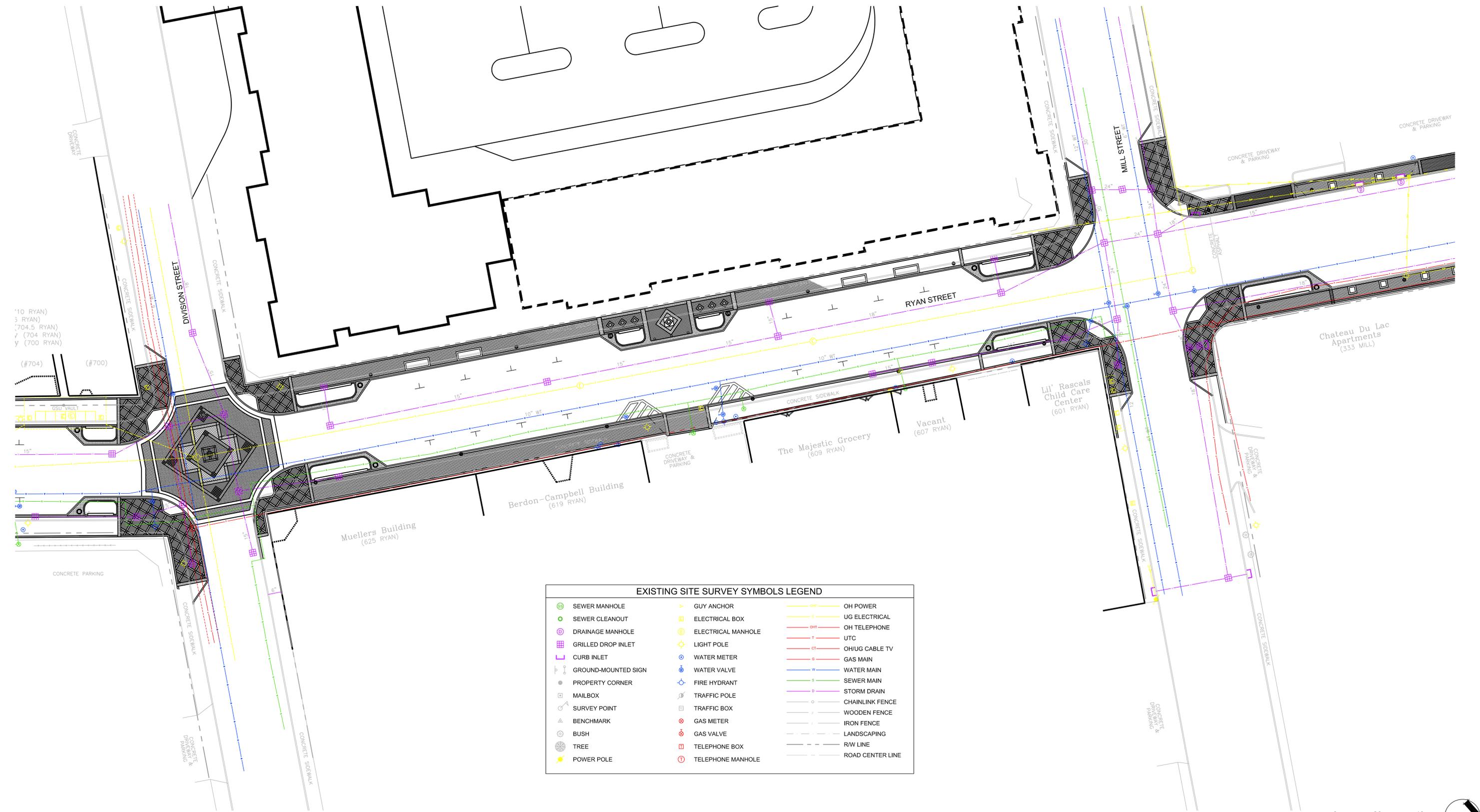


Broad Street To Division Street Ryan Street Streetscape Project - Design Development Phase



DWJ
D. W. Jessen & Associates, LLC
 Civil and Consulting Engineers • Lake Charles, Louisiana
 440 Kirby Street • Lake Charles, LA 70601
 Phone: (337)433-0561 • Fax: (337)433-5842
 D. W. Jessen, Jr., P.E., P.L.S.
 C.E. La. Reg. No. 21149 • P.L.S. La. Reg. No. 4646

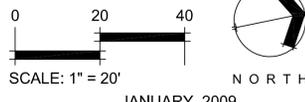
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 LANDSCAPE ARCHITECTS • SITE PLANNERS
 301 Jackson St., Suite 304 • Alexandria, LA 71301
 Phone: 318-445-2825 • Fax: 318-443-2349



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 3 RYAN)
 (704.5 RYAN)
 7 (704 RYAN)
 y (700 RYAN)

(#704) (#700)

EXISTING SITE SURVEY SYMBOLS LEGEND			
	SEWER MANHOLE		OH POWER
	SEWER CLEANOUT		UG ELECTRICAL
	DRAINAGE MANHOLE		OH TELEPHONE
	GRILLED DROP INLET		UTC
	CURB INLET		OH/UG CABLE TV
	GROUND-MOUNTED SIGN		GAS MAIN
	PROPERTY CORNER		WATER MAIN
	MAILBOX		SEWER MAIN
	SURVEY POINT		STORM DRAIN
	BENCHMARK		CHAINLINK FENCE
	BUSH		WOODEN FENCE
	TREE		IRON FENCE
	POWER POLE		LANDSCAPING
	GUY ANCHOR		RW LINE
	ELECTRICAL BOX		ROAD CENTER LINE
	ELECTRICAL MANHOLE		
	LIGHT POLE		
	WATER METER		
	WATER VALVE		
	FIRE HYDRANT		
	TRAFFIC POLE		
	TRAFFIC BOX		
	GAS METER		
	GAS VALVE		
	TELEPHONE BOX		
	TELEPHONE MANHOLE		

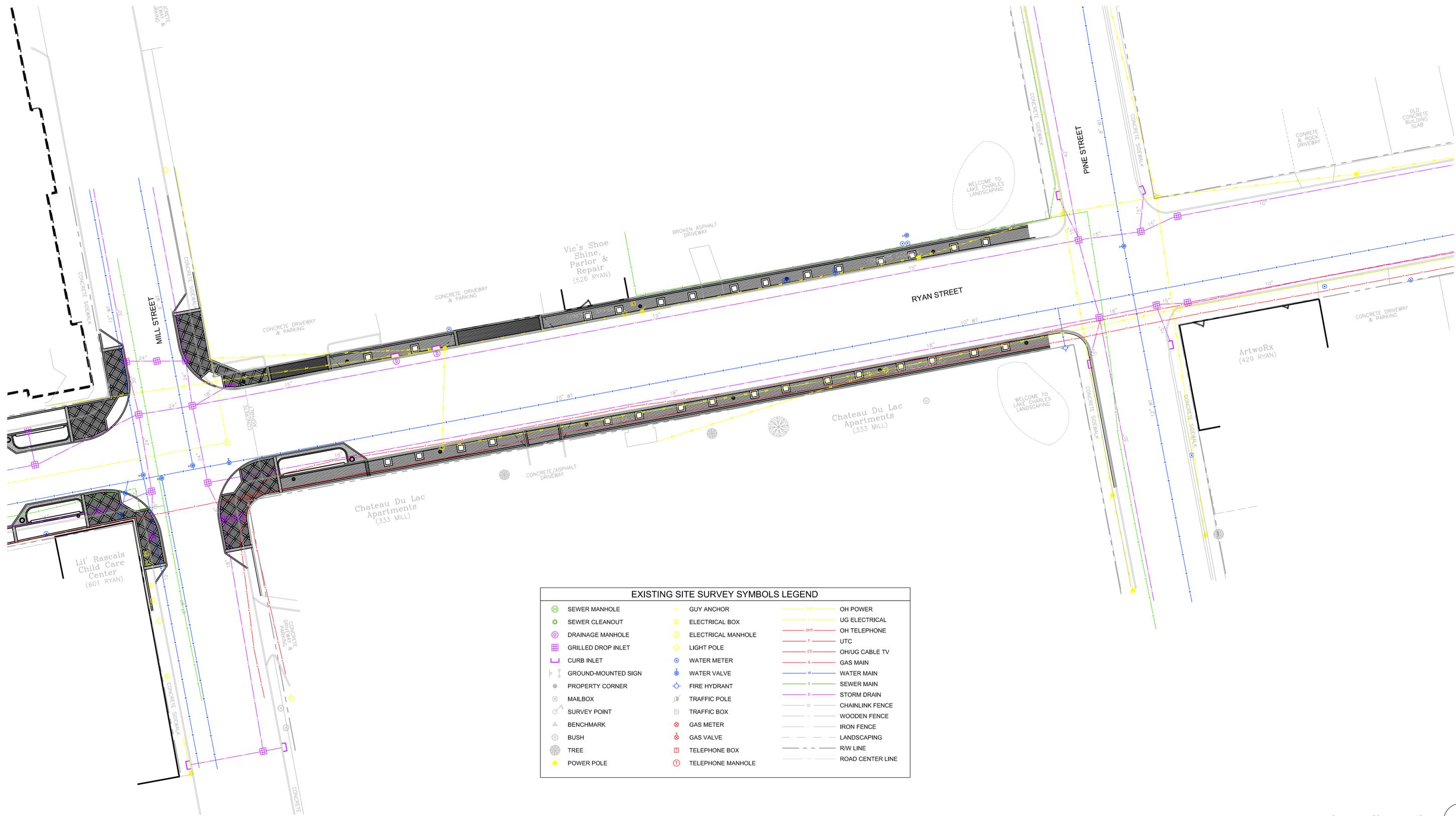


Division Street To Mill Street Ryan Street Streetscape Project - Design Development Phase

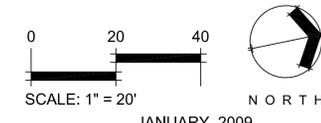
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 440 Kirby Street Lake Charles, LA 70601
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 C.E. La. Reg. No. 21119 P.L.S. La. Reg. No. 4646

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 LANDSCAPE ARCHITECTS • SITE PLANNERS
 301 Jackson St., Suite 304 • Alexandria, LA 71301
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	MAILBOX		SEWER MAIN
	SURVEY POINT		STORM DRAIN
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	BUSH		WOODEN FENCE
	TREE		IRON FENCE
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	GUY ANCHOR		RW LINE
	ELECTRICAL BOX		ROAD CENTER LINE
	ELECTRICAL MANHOLE		
	LIGHT POLE		
	WATER METER		
	WATER VALVE		
	FIRE HYDRANT		
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	TRAFFIC BOX		
	GAS METER		
	GAS VALVE		
	TELEPHONE BOX		
	TELEPHONE MANHOLE		

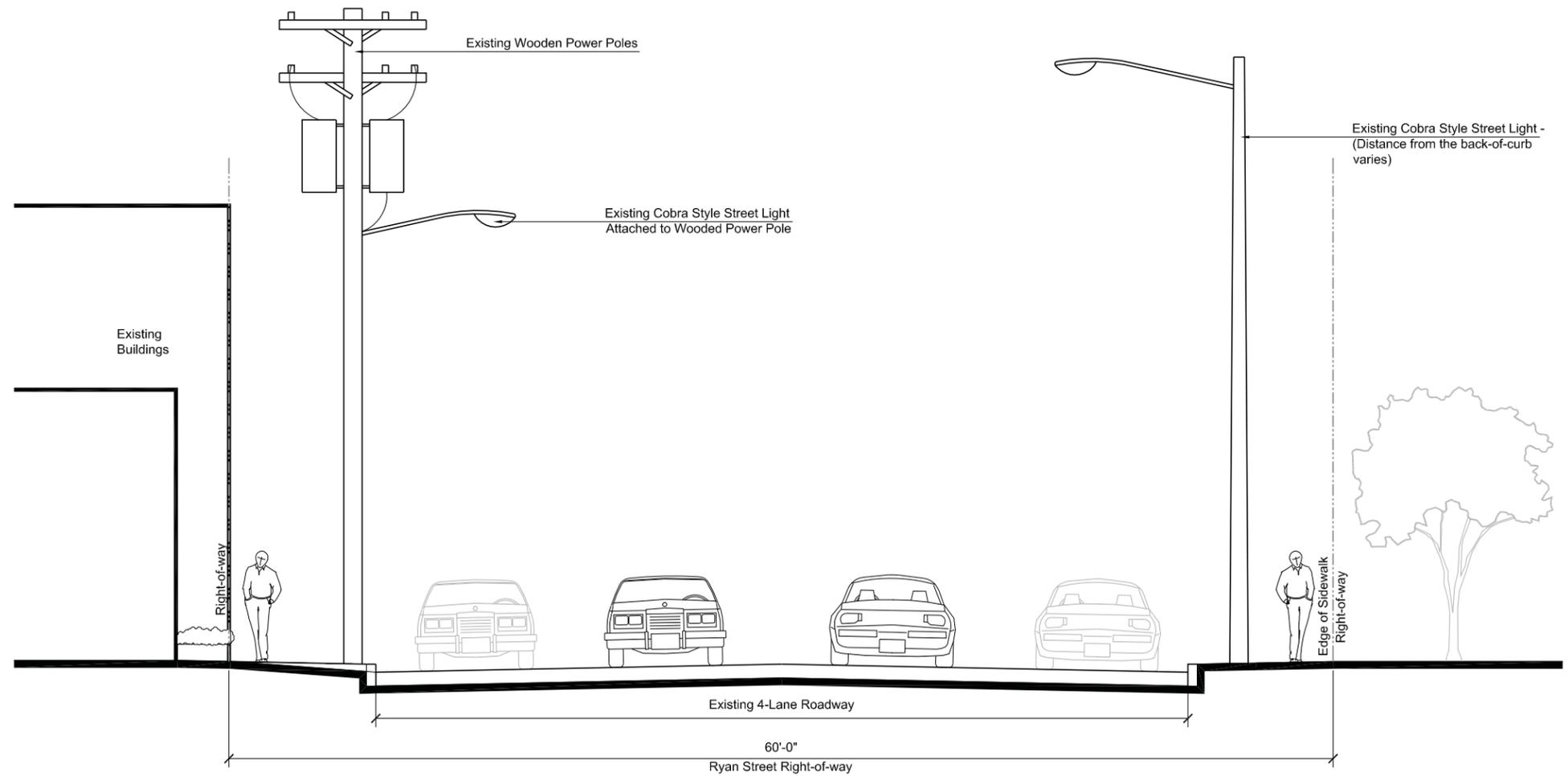
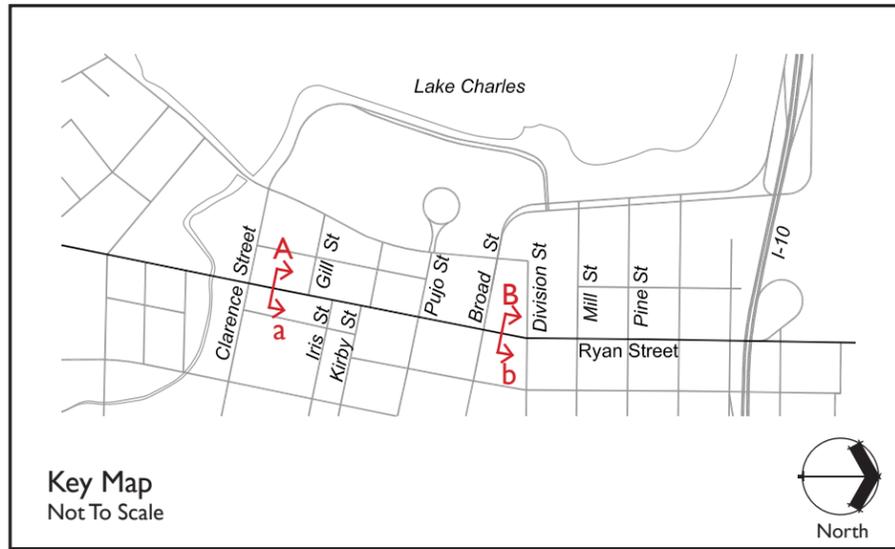


Mill Street To Pine Street Ryan Street Streetscape Project - Design Development Phase

DWJ
D. W. Jessen & Associates, LLC
 Civil and Consulting Engineers - Lake Charles, Louisiana
 440 Kirby Street Lake Charles, LA 70601
 Phone: (337)433-0561 Fax: (337)433-5842
 D. W. Jessen, Jr., P.E., P.L.S.
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Typical Cross Sections

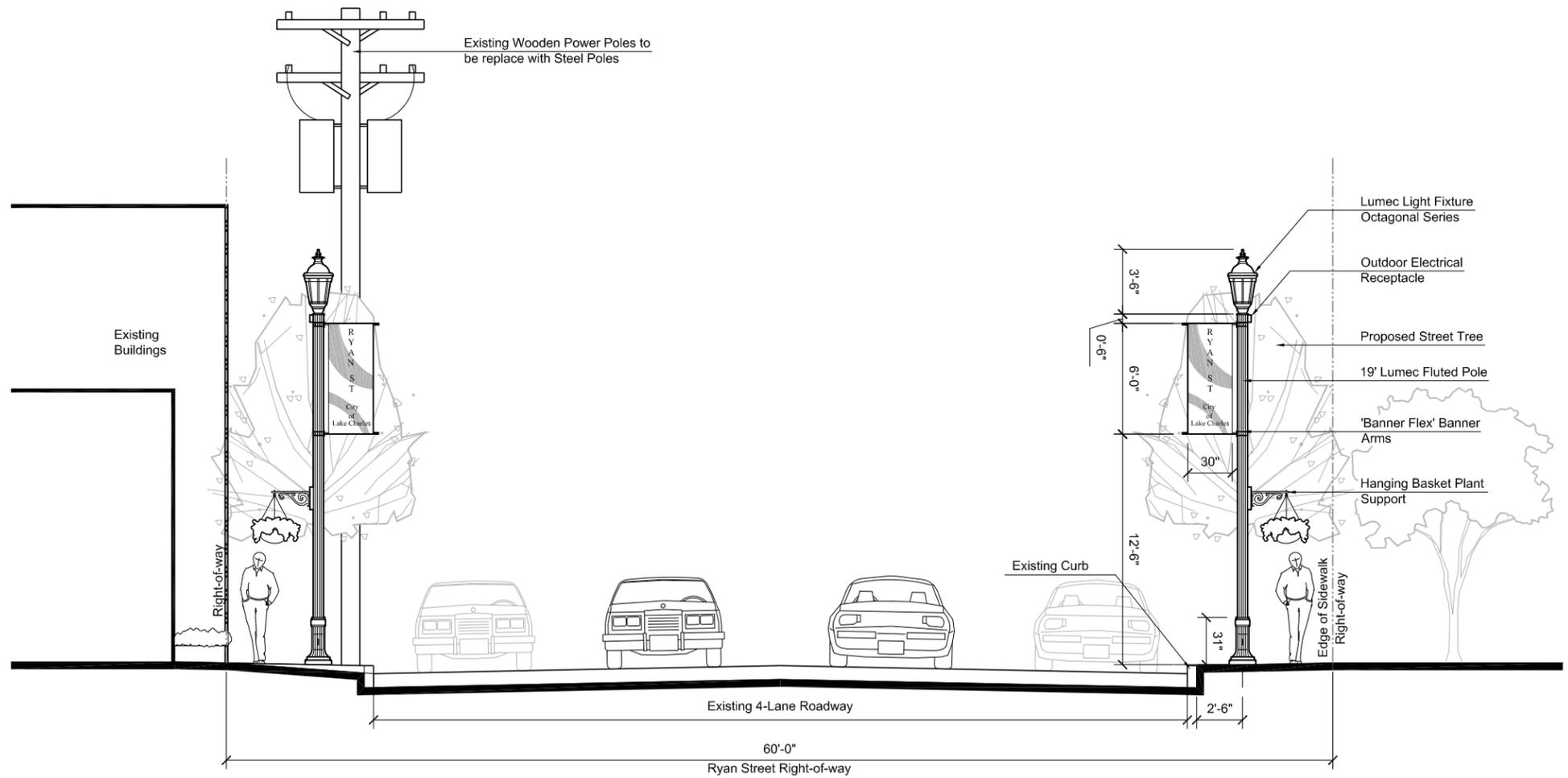
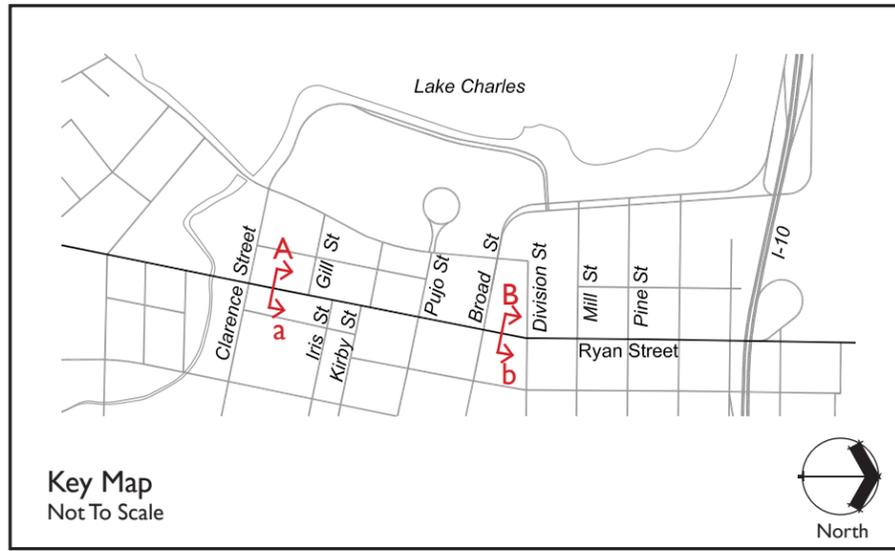


EXISTING CONDITIONS

Section Aa - Midblock Between Clarence St. and Gill St.

Scale: 1/8" = 1'-0"

Typical Cross Sections

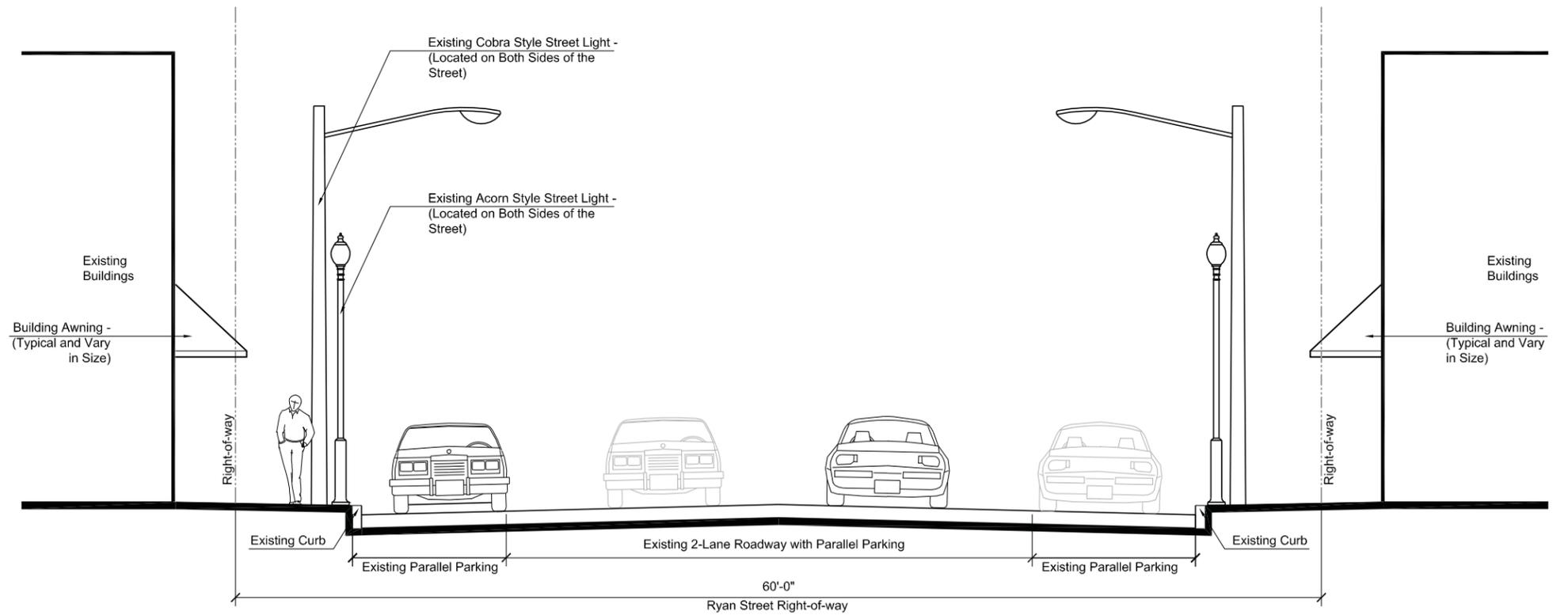
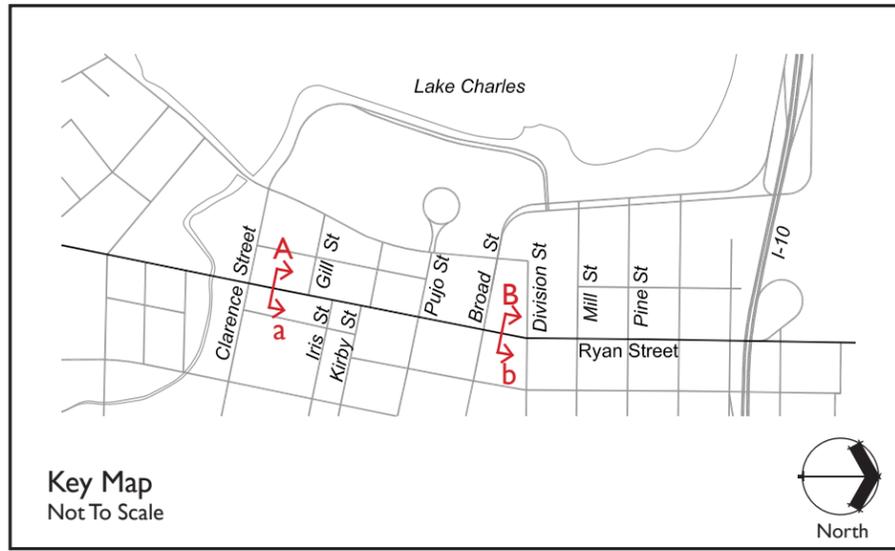


PROPOSED IMPROVEMENTS

Section Aa - Midblock Between Clarence St. and Gill St.

Scale: 1/8" = 1'-0"

Typical Cross Sections

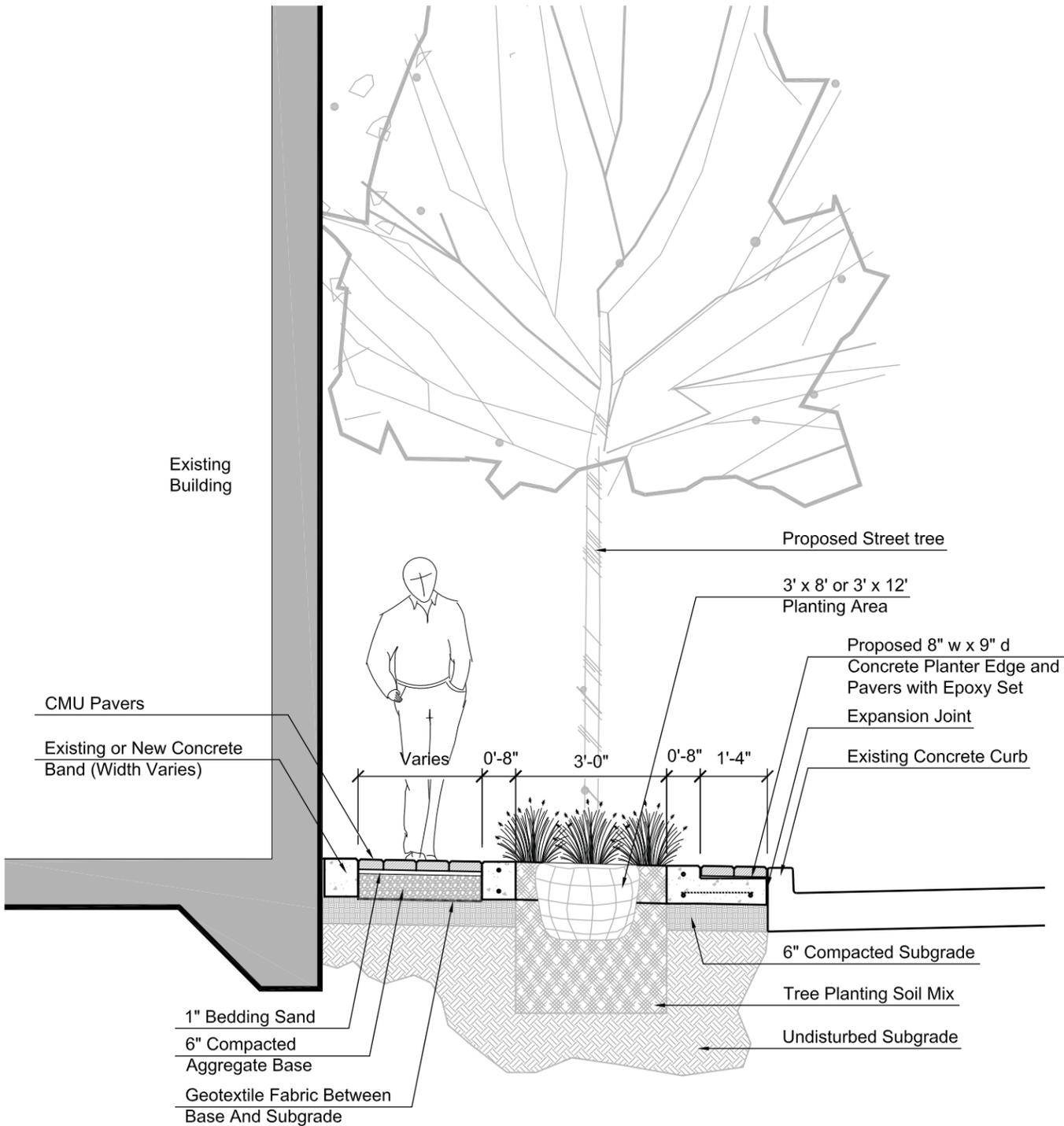


EXISTING CONDITIONS

Section Bb - Midblock Between Broad St. and Division St.

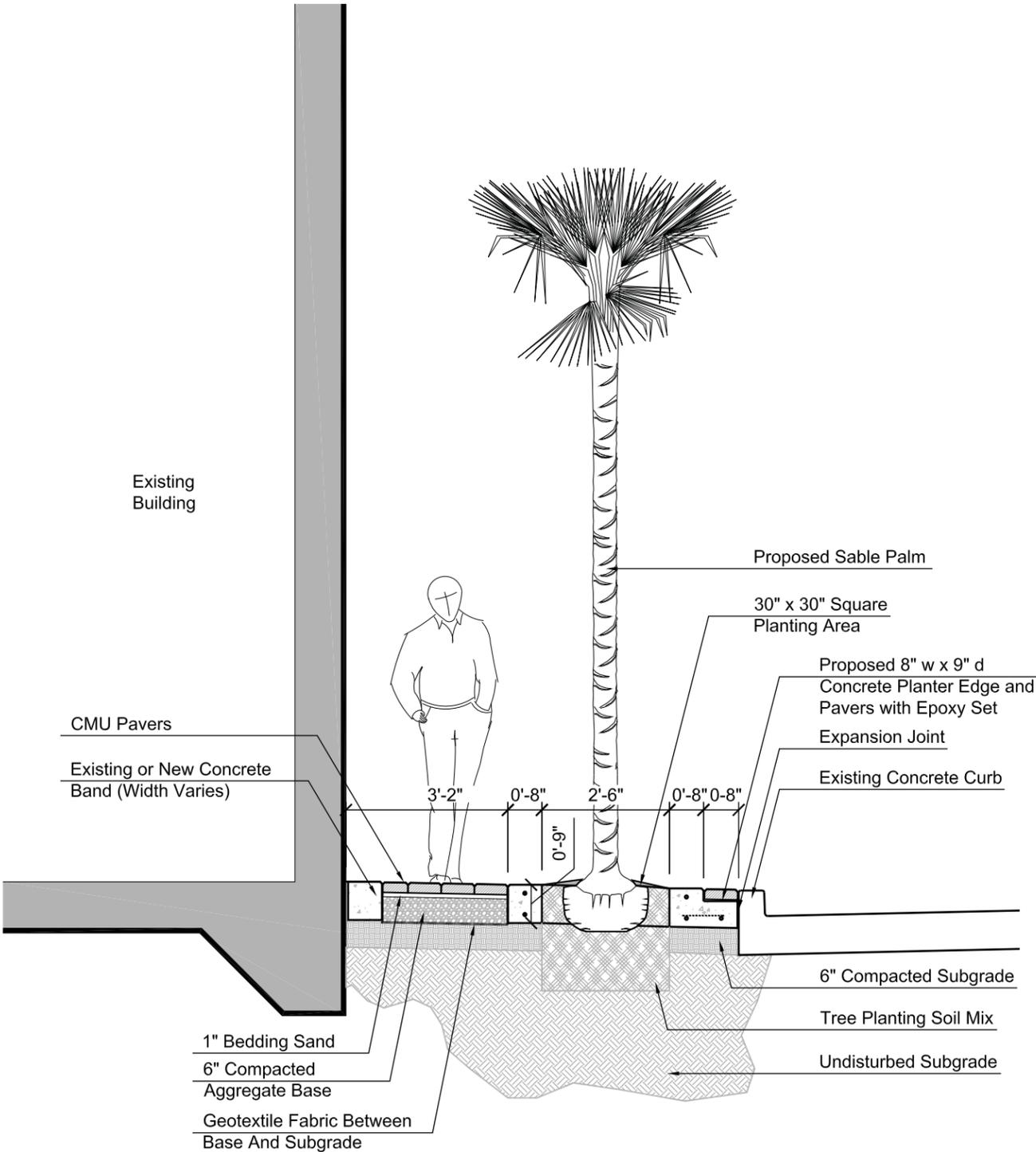
Scale: 1/8" = 1'-0"

Typical Cross Sections



Typical Sidewalk Section with Tree Well

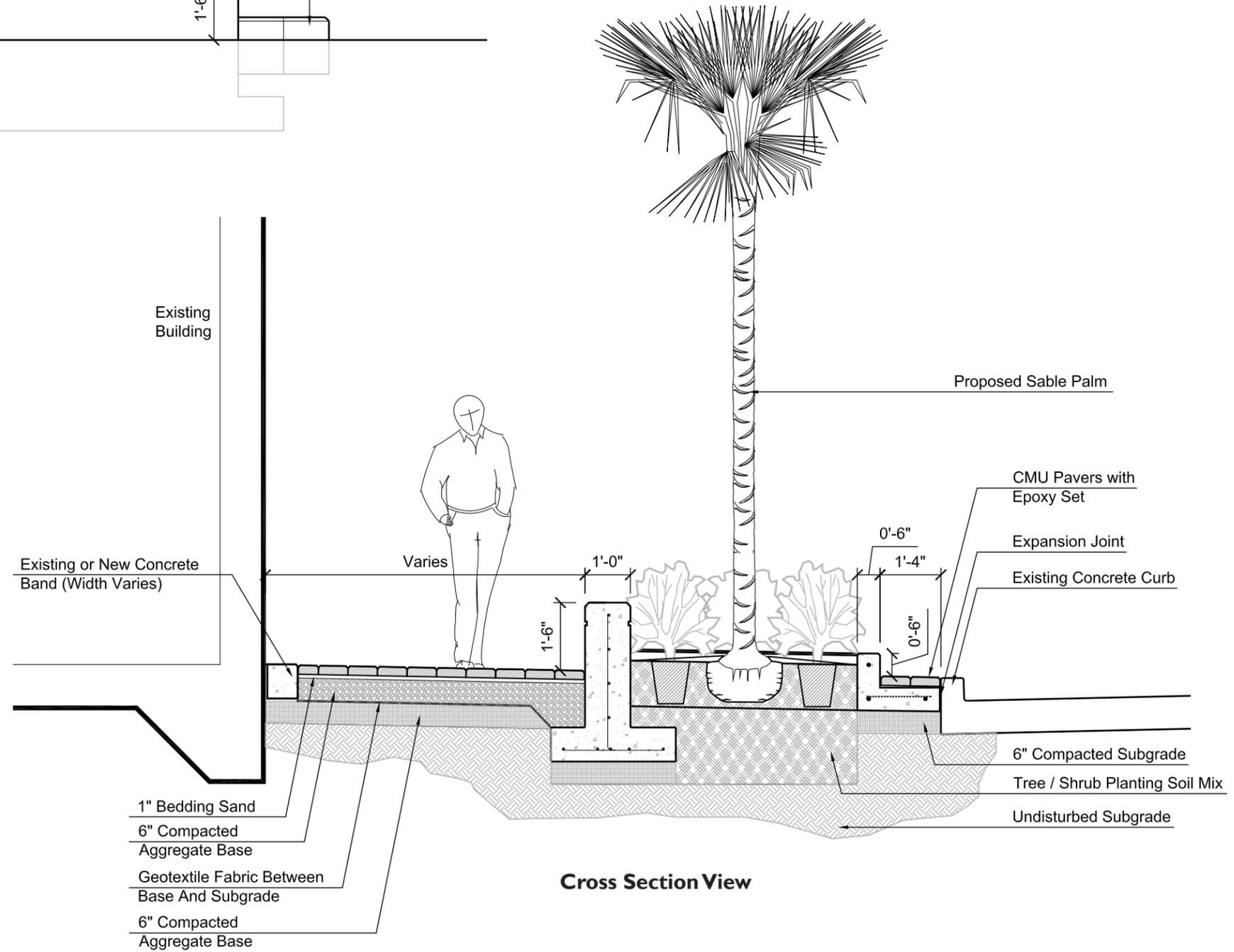
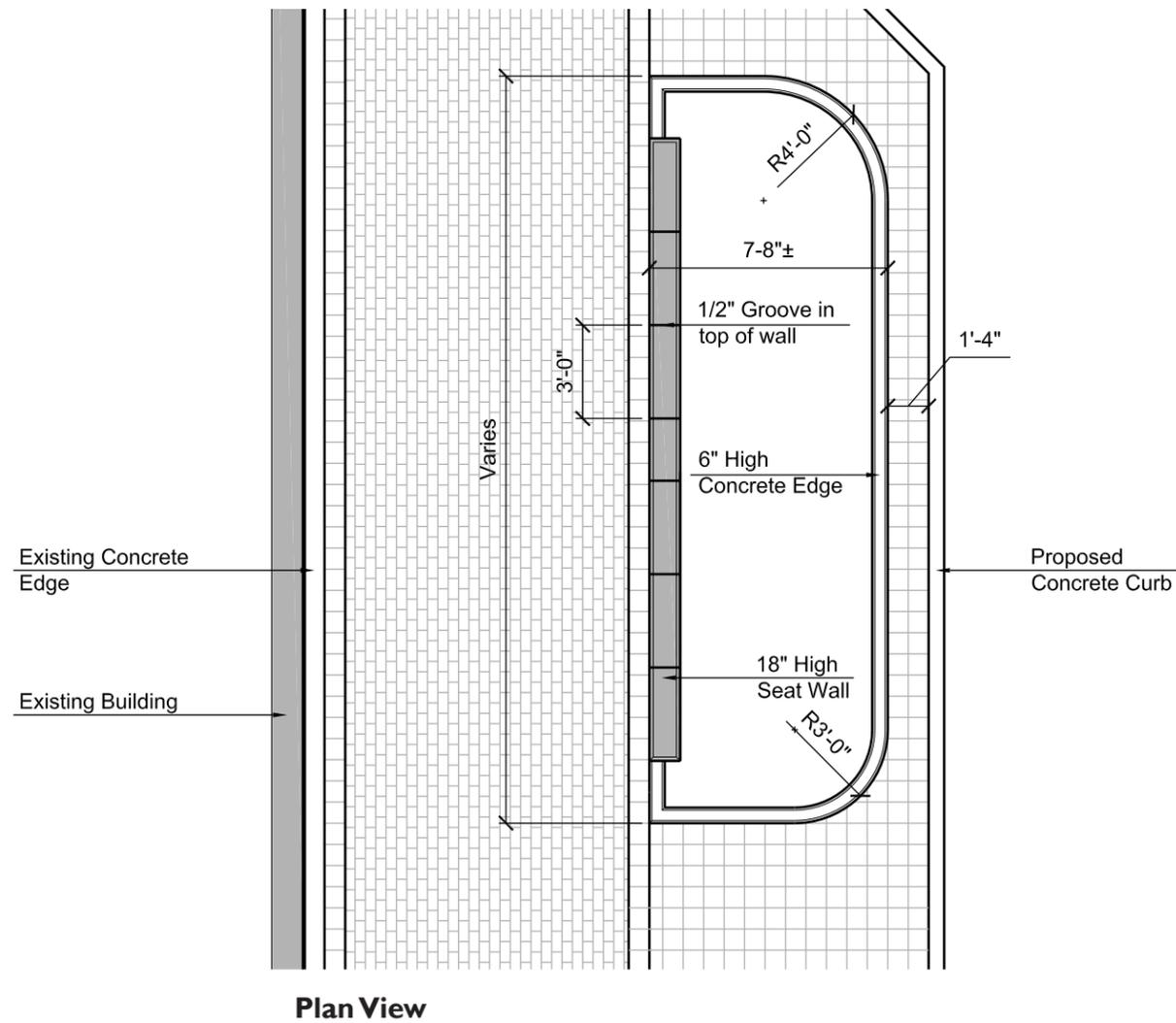
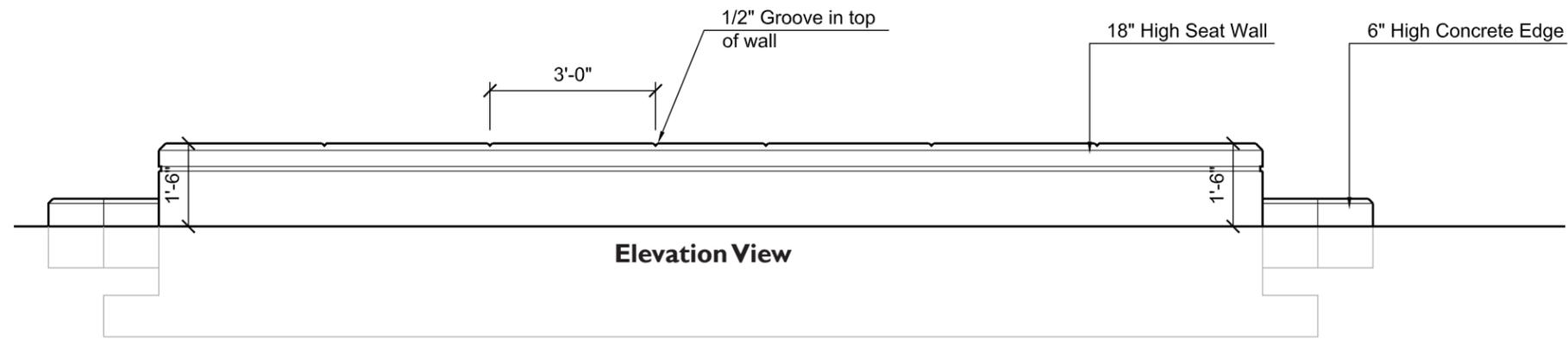
Not To Scale



Typical Sidewalk Section with Palm Well

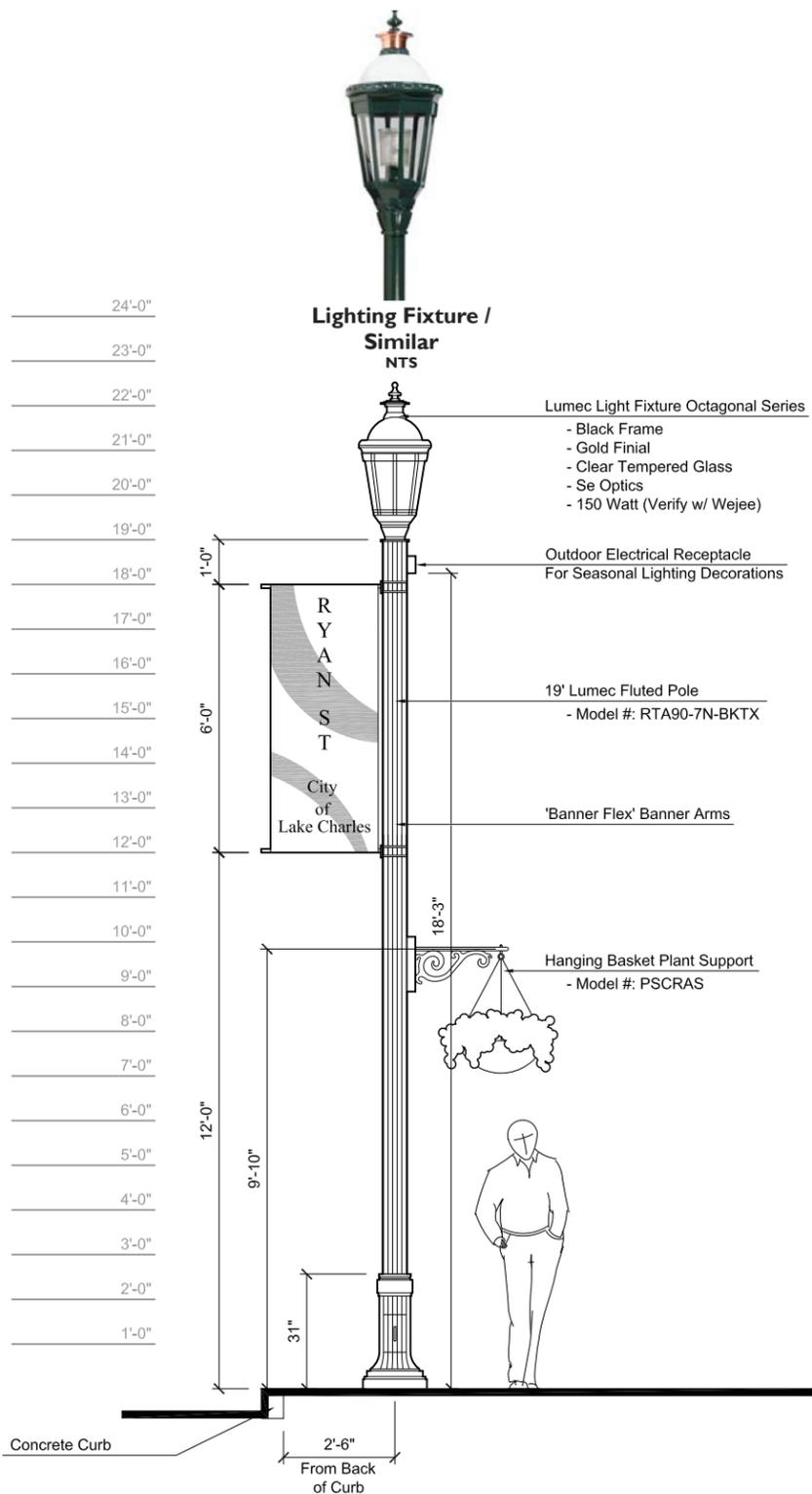
Not To Scale

Typical Cross Sections



Typical Sidewalk Planter with Seat Wall

Not To Scale



Proposed Lumec Street Light Pole and Fixture

Scale: 1/4" = 1'-0"



Proposed Traffic Signal Poles



CS-138 Bench
CS-158 Backless Bench
Length: 4' or 6' (1.2 or 1.8 meters), 19 horizontal metal rods, Surface mount

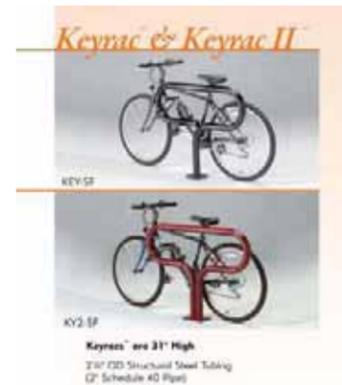
CS-138 Bench
CS-158 Backless Bench
Length: 4' or 6' (1.2 or 1.8 meters), 19 rods, Surface mount
Options: Interlocking slats

Model No. CS-138

Proposed Victor Stanley Bench and Litter Receptacle



Model No. SD-42



Madrax Keyrac II Series Model No. KY2-SF-PS

Proposed Bike Rack

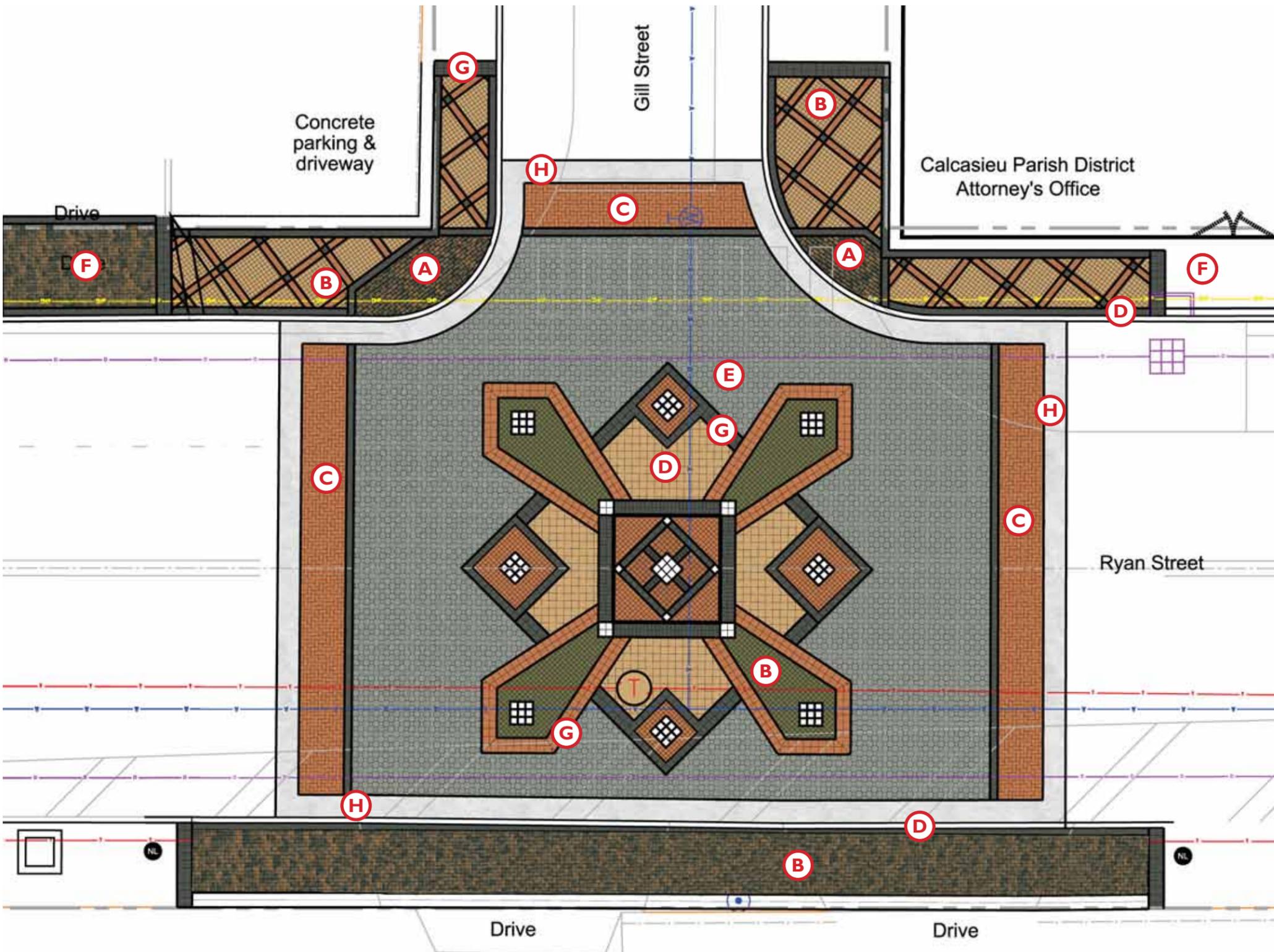
BENTLEY ROOM
Fine Dining







Key Intersection Enlargements



Proposed Pavestone CMU Pavers

- (A) ADA - Truncated Dome Paver
- (B) Holland Stone II
- (C) Holland Stone - 90 Degree Herringbone
- (D) City Stone - 8" x 8"
- (E) Uni-Anchorlock
- (F) Running Bond Pattern
- (G) Holland Stone - Double Stacked
- (H) Concrete Edge

Pavestone Colors



Antique Red



Buff



Charcoal



Forest Blend



River Red

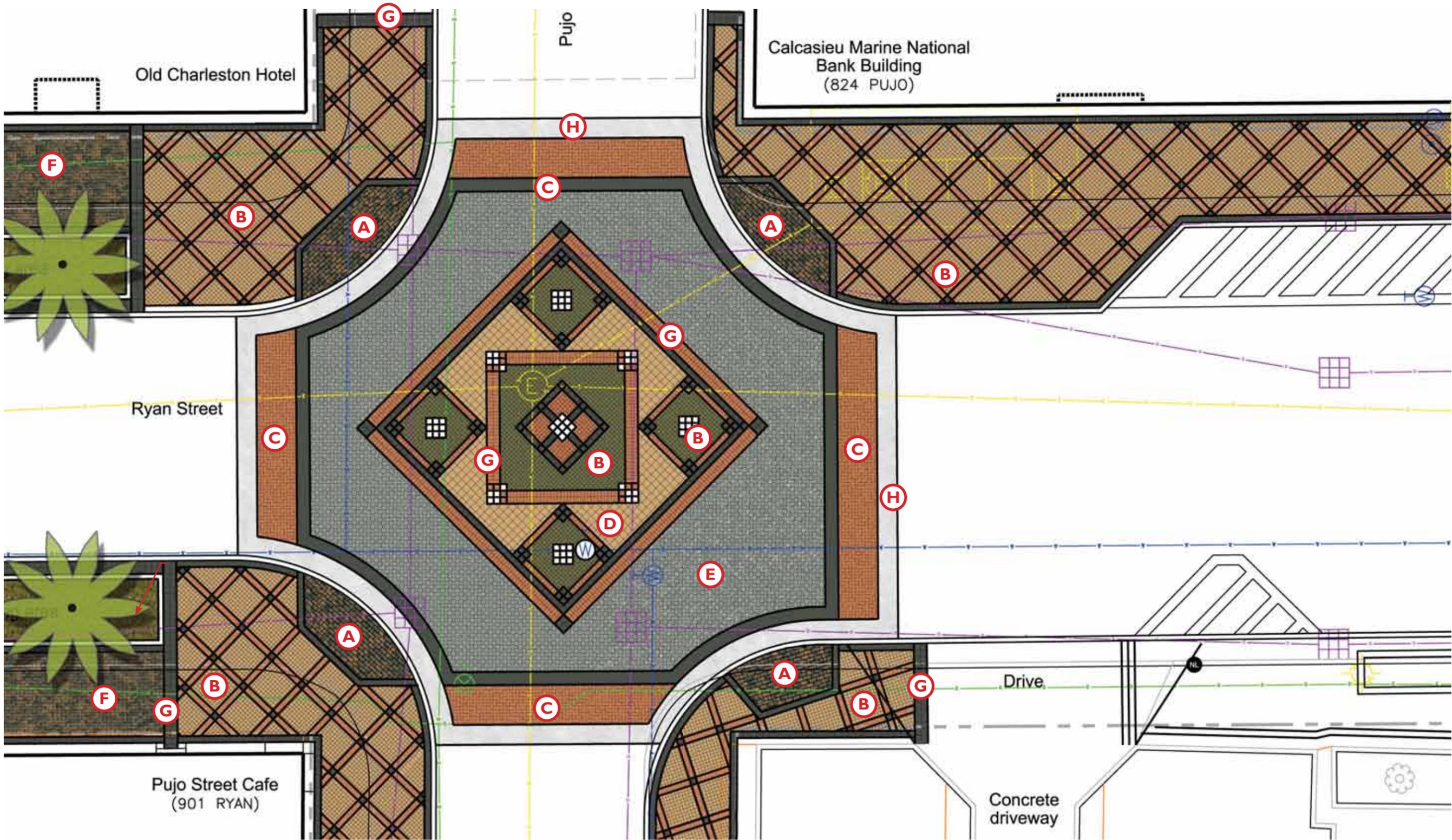


Limestone

Enlargement I: Ryan Street and Gill Street Intersection Concept

Scale: 1" = 10'

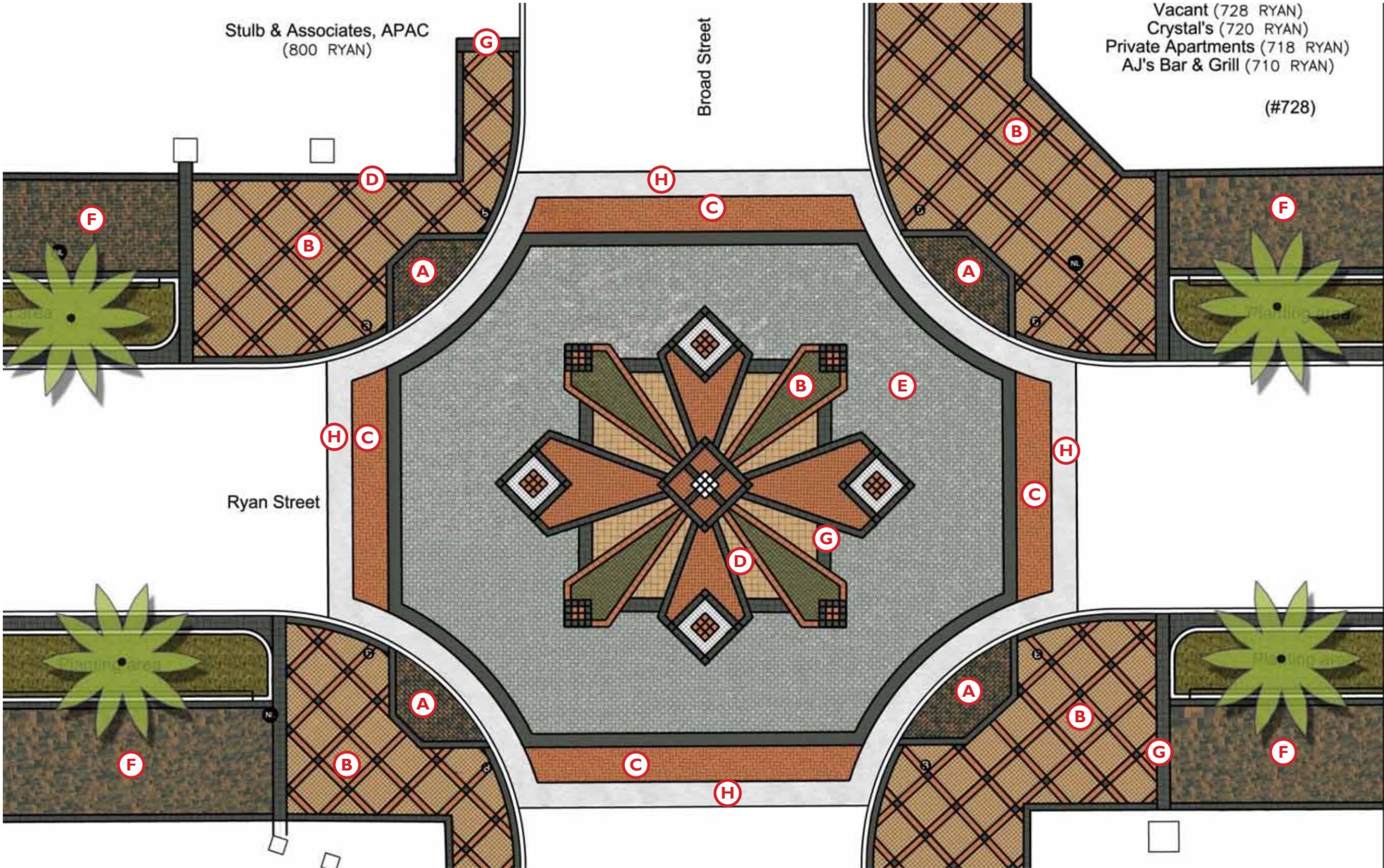
Key Intersection Enlargements



Enlargement 2: Ryan Street and Pujo Street Intersection Concept

Scale: 1" = 10'

Key Intersection Enlargements



Enlargement 3: Ryan Street and Broad Street Intersection Concept

Scale: 1" = 10'

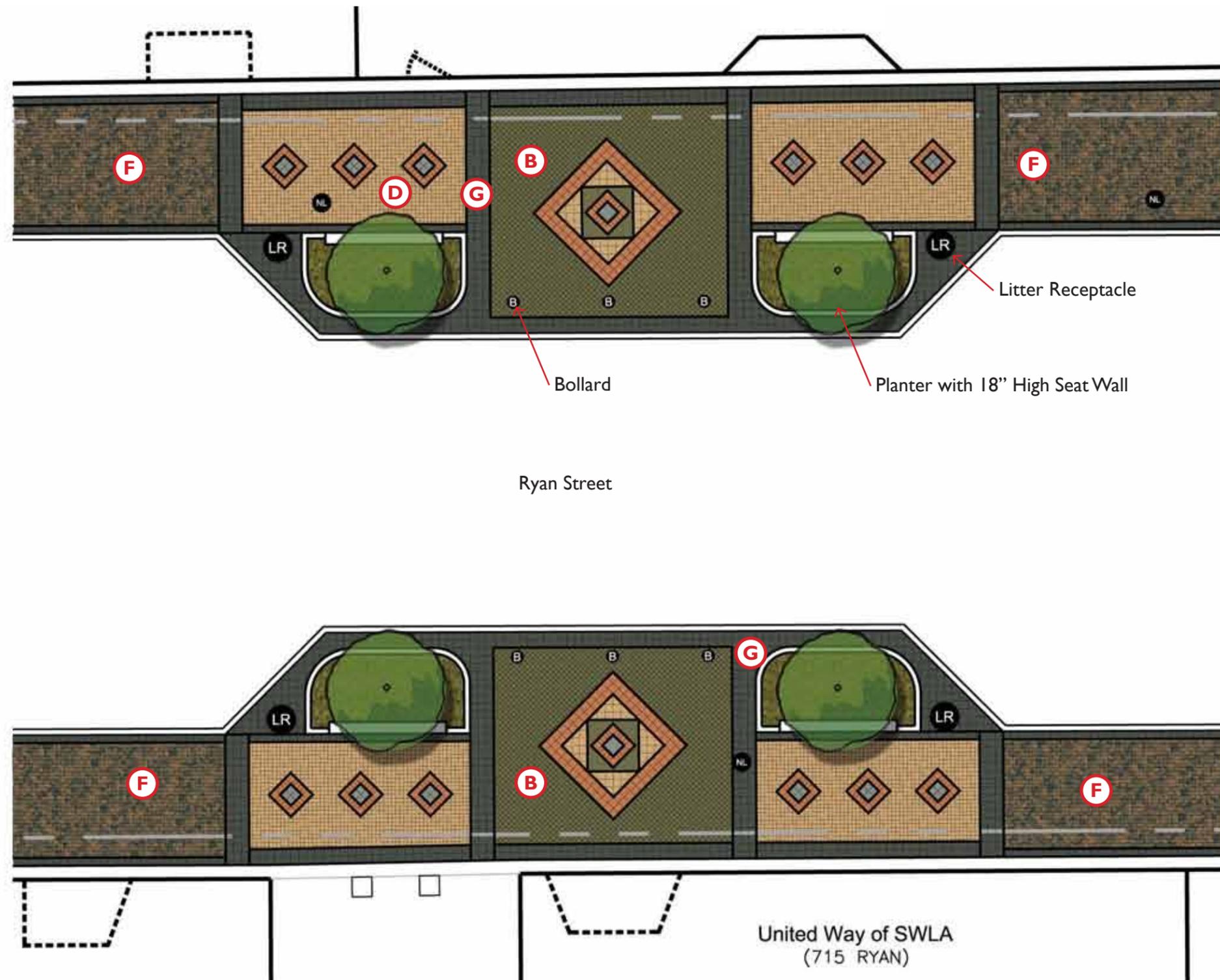
Key Intersection Enlargements



Enlargement 4: Ryan Street and Division Street Intersection

Scale: 1" = 10'

Mid Block Enlargement



Enlargement: Typical Mid Block Crossing

Scale: 1" = 10'

Proposed Plant Material



**Bald Cypress -
Taxodium distichum**



**Drake Elm -
Ulmus parvifolia 'Drake'**



**Willow Oak -
Quercus phellos**

Street Trees



**Lantana -
Lantana Camara**



**Aztec Grass -
Ophiopogon intermedius
'Aztec'**



**Daylily -
Hemerocallis fulva**



**Agapanthus -
Agapanthus africanus**



Liriope - Liriope Muscari



**Dwarf Fountain Grass -
Pennisetum alopecuroides
'Hamelin'**

Groundcovers



Street Pole Hanging Baskets - Examples



**Crape Myrtle -
Lagerstoemia indica**

Flowering Tree



**Windmill Palm -
Trachycarpus Fortunei**

Accent Palm



**Indian Hawthorn -
Raphiolepis indica**



**Carissa Holly -
Ilex cornuta 'Carissa'**



**Dwarf Azalea -
Rhododendron obtusum**

Small / Medium Shrubs