Leon County

Board of County Commissioners

301 South Monroe Street, Tallahassee, Florida 32301
(850) 606-5302 www.leoncountyfl.gov

Purchasing Division
2284 Miccosukee Road
Tallahassee, Florida 32308
(850) 606-1600

May 25, 2010

RE: Bid Title: Construction of Leon County Public Library Eastside Branch
Bid No: BC-06-08-10-33
Opening Date: Tuesday, June 8, 2010 at 2:00 PM

ADDENDUM #2

Dear Vendor:

This letter serves as Addendum #2 for the above referenced project.

1. The attached Addendum 2, page 1-18, from the Architect shall be added to the bid documents as stated therein.

2. The Letter of Agreement between the City of Tallahassee and Leon County for the sewer lift station is attached for the information regarding the connection to the library.

3. The address of the Eastside Branch Library is 1709 Pedrick Road.

4. Page 15 of the Invitation to Bid, section titled "Permits" is amended to ready "Leon County will pay for the building permits that the Contractor will secure. Any other permits necessary are to be paid by the Contractor."

Acknowledgment of this addendum is required as part of your bid submittal. Failure to acknowledge this addendum may result in rejection of your bid.

Should you have any questions, feel free to call me at (850) 606-1600.

Sincerely,

Keith M. Roberts
Purchasing Director

JOHNSON PETERSON Architects

Date: May 25, 2010
To: John Ward
Construction Manager
Leon County Facilities Management

Project Name: Leon County Library
Eastside Branch

Addendum #2

From: Johnson Peterson Architects, Inc.
Copied: John Ward, Construction Manager Leon County Facilities Management
Douglas Barkley & Barry Pujol , Barkley Engineering
Homer Ooten, Ooten and Associates
Roger Walsh, R. E. Walsh Engineering, Inc.
Peter Okonkwo, Spectra Engineering

Modifications to Project Manual:

Architectural:

APM1: ***Reference 07410 Part 2 Products, 2:01, A -*** *MBCI BattenLok Roofing Panels is an acceptable manufacturer.*

APM2: ***Reference 08800 Part 2 Products, 2:01, A –*** *Guardian Sunguard is an acceptable manufacturer.*

APM3: ***Reference 01800 Part 1 Submittals, C LEED Submittals –*** *LEED for New Construction and Major Renovation 2009 Project Score Sheet. See attachment.*

APM4: ***Reference 01800 Part 1 Submittals, C LEED Submittals –*** *Credits the General Contractor is responsible for when submitting during construction. See attachment.*

Modification to Drawings:

Architectural:

A1: ***Reference Architectural Sheet A4.1. –*** *The chair-rail profile detail has been added to sheet A4.1. See attached revision, architectural sheet A4.1 detail 8 in addendum 1.*

A2: ***Reference Architectural Sheet A5.3. –*** *The door schedule has been modified to identify door elevations. See attachment.*

A3: ***Reference Architectural Sheet A5.3. –*** *The door schedule has been modified to clarify wood double doors. See attachment.*

A4: ***Reference Architectural Sheet A5.3. –*** *The A-Style Frameless Glass Door (Door Elevation 6) height has been modified to reflect the interior storefront mullion height of 7'-8". See attachment.*

A7: ***Reference Architectural Sheet A3.1 detail 1 and Architectural Sheet A4.3 details 2, 6 &7 -*** *Spray insulation shall be applied to the underside of the mezzanine for noise reduction. See attached drawings from addendum #1.*

Structural:

S1: ***Reference Structural Sheet S-4.5, detail A. –*** *The length of the carriage bolts has been clarified.*

Civil:

C1: ***Reference Civil Sheets C-1, C1.1-R, C1.2-R, C2.0-R, C3.0-R, C3.1-R, C4.0-R, C4.1-R, C5.0-R, C6.0-R, C7.0-R & C8.0-R. –*** *Attached are the correct Civil sheets issued at the time of bid.*

C2: ***Reference Civil Sheets C2.0-R. –*** *Provide a temporary 6'-0" chain link construction fence along the limits of construction and the west property line for the duration of project/construction.*

Updated 4.24.2010

LEED for New Construction and Major Renovation 2009
Project Scorecard

Project Name: **Leon County Eastside Library**
Project Address:

Yes	?	No			
12	0	14	**Sustainable Sites**	26	Points

Y			Prereq 1	**Construction Activity Pollution Prevention**	Required
1			Credit 1	**Site Selection**	1
		5	Credit 2	**Development Density & Community Connectivity**	5
		1	Credit 3	**Brownfield Redevelopment**	1
		6	Credit 4.1	**Alternative Transportation,** Public Transportation Access	6
1			Credit 4.2	**Alternative Transportation,** Bicycle Storage & Changing Rooms	1
3			Credit 4.3	**Alternative Transportation,** Low-Emitting & Fuel-Efficient Vehicles	3
		2	Credit 4.4	**Alternative Transportation,** Parking Capacity	2
1			Credit 5.1	**Site Development,** Protect or Restore Habitat	1
1			Credit 5.2	**Site Development,** Maximize Open Space	1
1			Credit 6.1	**Stormwater Design,** Quantity Control	1
1			Credit 6.2	**Stormwater Design,** Quality Control	1
1			Credit 7.1	**Heat Island Effect,** Non-Roof	1
1			Credit 7.2	**Heat Island Effect,** Roof	1
1			Credit 8	**Light Pollution Reduction**	1

Yes	?	No			
4	0	6	**Water Efficiency**	10	Points

Y			Prereq 1	**Water Use Reduction,** 20% Reduction	Required
2			Credit 1.1	**Water Efficient Landscaping,** Reduce by 50%	2
2			Credit 1.2	**Water Efficient Landscaping,** No Potable Use or No Irrigation	2
		2	Credit 2	**Innovative Wastewater Technologies**	2
		4	Credit 3	**Water Use Reduction**	2 to 4
				30% Reduction	2
				35% Reduction	3
				40% Reduction	4

31	0	4	**Energy & Atmosphere**	35 Points

Y			Prereq 1	**Fundamental Commissioning of the Building Energy Systems**	Required
Y			Prereq 2	**Minimum Energy Performance:** 10% New Bldgs or 5% Existing Bldg Renovations	Required
Y			Prereq 3	**Fundamental Refrigerant Management**	Required
19			Credit 1	**Optimize Energy Performance**	1 to 19
				12% New Buildings or 8% Existing Building Renovations	1
				14% New Buildings or 10% Existing Building Renovations	2
				16% New Buildings or 12% Existing Building Renovations	3
				18% New Buildings or 14% Existing Building Renovations	4
				20% New Buildings or 16% Existing Building Renovations	5
				22% New Buildings or 18% Existing Building Renovations	6
				24% New Buildings or 20% Existing Building Renovations	7
				26% New Buildings or 22% Existing Building Renovations	8
				28% New Buildings or 24% Existing Building Renovations	9
				30% New Buildings or 26% Existing Building Renovations	10
				32% New Buildings or 28% Existing Building Renovations	11
				34% New Buildings or 30% Existing Building Renovations	12
				36% New Buildings or 32% Existing Building Renovations	13
				38% New Buildings or 34% Existing Building Renovations	14
				40% New Buildings or 36% Existing Building Renovations	15
				42% New Buildings or 38% Existing Building Renovations	16
				44% New Buildings or 40% Existing Building Renovations	17
				46% New Buildings or 42% Existing Building Renovations	18
				X 48% New Buildings or 44% Existing Building Renovations	19
7			Credit 2	**On-Site Renewable Energy**	1 to 7
				1% Renewable Energy	1
				3% Renewable Energy	2
				5% Renewable Energy	3
				7% Renewable Energy	4
				9% Renewable Energy	5
				11% Renewable Energy	6
				X 13% Renewable Energy	7
2			Credit 3	**Enhanced Commissioning**	2
		2	Credit 4	**Enhanced Refrigerant Management**	2
3			Credit 5	**Measurement & Verification**	3
		2	Credit 6	**Green Power**	2

LEED for New Construction and Major Renovation 2009
Project Scorecard

Project Name: **Leon County Eastside Library**
Project Address:

Yes	?	No		
6	1	7	**Materials & Resources**	14 Points

Y			Prereq 1	**Storage & Collection of Recyclables**	Required
		3	Credit 1	**Building Reuse**	1 to 3
			Credit 1.1	Maintain 55% of Existing Walls, Floors & Roof	1
			Credit 1.2	Maintain 75% of Existing Walls, Floors & Roof	2
			Credit 1.3	Maintain 95% of Existing Walls, Floors & Roof	3
		1	Credit 1.4	**Building Reuse,** Maintain 50% of Interior Non-Structural Elements	1
1			Credit 2.1	**Construction Waste Management,** Divert 50% from Disposal	1
1			Credit 2.2	**Construction Waste Management,** Divert 75% from Disposal	1
		1	Credit 3.1	**Materials Reuse,** 5%	1
		1	Credit 3.2	**Materials Reuse,** 10%	1
1			Credit 4.1	**Recycled Content,** 10% (post-consumer + ½ pre-consumer)	1
1			Credit 4.2	**Recycled Content,** 20% (post-consumer + ½ pre-consumer)	1
1			Credit 5.1	**Regional Materials,** 10% Extracted, Processed & Manufactured Regionally	1
1			Credit 5.2	**Regional Materials,** 20% Extracted, Processed & Manufactured Regionally	1
	1		Credit 6	**Rapidly Renewable Materials**	1
		1	Credit 7	**Certified Wood**	1

Yes	?	No		
10	2	3	**Indoor Environmental Quality**	15 Points

Y			Prereq 1	**Minimum IAQ Performance**	Required
Y			Prereq 2	**Environmental Tobacco Smoke (ETS) Control**	Required
1			Credit 1	**Outdoor Air Delivery Monitoring**	1
		1	Credit 2	**Increased Ventilation**	1
1			Credit 3.1	**Construction IAQ Management Plan,** During Construction	1
1			Credit 3.2	**Construction IAQ Management Plan,** Before Occupancy	1
1			Credit 4.1	**Low-Emitting Materials,** Adhesives & Sealants	1
1			Credit 4.2	**Low-Emitting Materials,** Paints & Coatings	1
1			Credit 4.3	**Low-Emitting Materials,** Flooring Systems	1
1			Credit 4.4	**Low-Emitting Materials,** Composite Wood & Agrifiber Products	1
	1		Credit 5	**Indoor Chemical & Pollutant Source Control**	1
1			Credit 6.1	**Controllability of Systems,** Lighting	1
1			Credit 6.2	**Controllability of Systems,** Thermal Comfort	1
		1	Credit 7.1	**Thermal Comfort,** Design	1
		1	Credit 7.2	**Thermal Comfort,** Verification	1
1			Credit 8.1	**Daylight & Views,** Daylight 75% of Spaces	1
	1		Credit 8.2	**Daylight & Views,** Views for 90% of Spaces	1

Yes	?	No		
3	3	0	**Innovation & Design Process**	6 Points

1			Credit 1.1	**Innovation in Design:** Provide Specific Title	1
1			Credit 1.2	**Innovation in Design:** Provide Specific Title	1
	1		Credit 1.3	**Innovation in Design:** Provide Specific Title	1
	1		Credit 1.4	**Innovation in Design:** Provide Specific Title	1
	1		Credit 1.5	**Innovation in Design:** Provide Specific Title	1
1			Credit 2	**LEED® Accredited Professional**	1

Yes	?	No		
3	1	0	**Regional Priority Credits**	4 Points

1			Credit 1.1	**Regional Priority Credit:** Region Defined	1
1			Credit 1.2	**Regional Priority Credit:** Region Defined	1
1			Credit 1.3	**Regional Priority Credit:** Region Defined	1
	1		Credit 1.4	**Regional Priority Credit:** Region Defined	1

Yes	?	No		
69	7	34	**Project Totals (Certification Estimates)**	110 Points

Not Certified

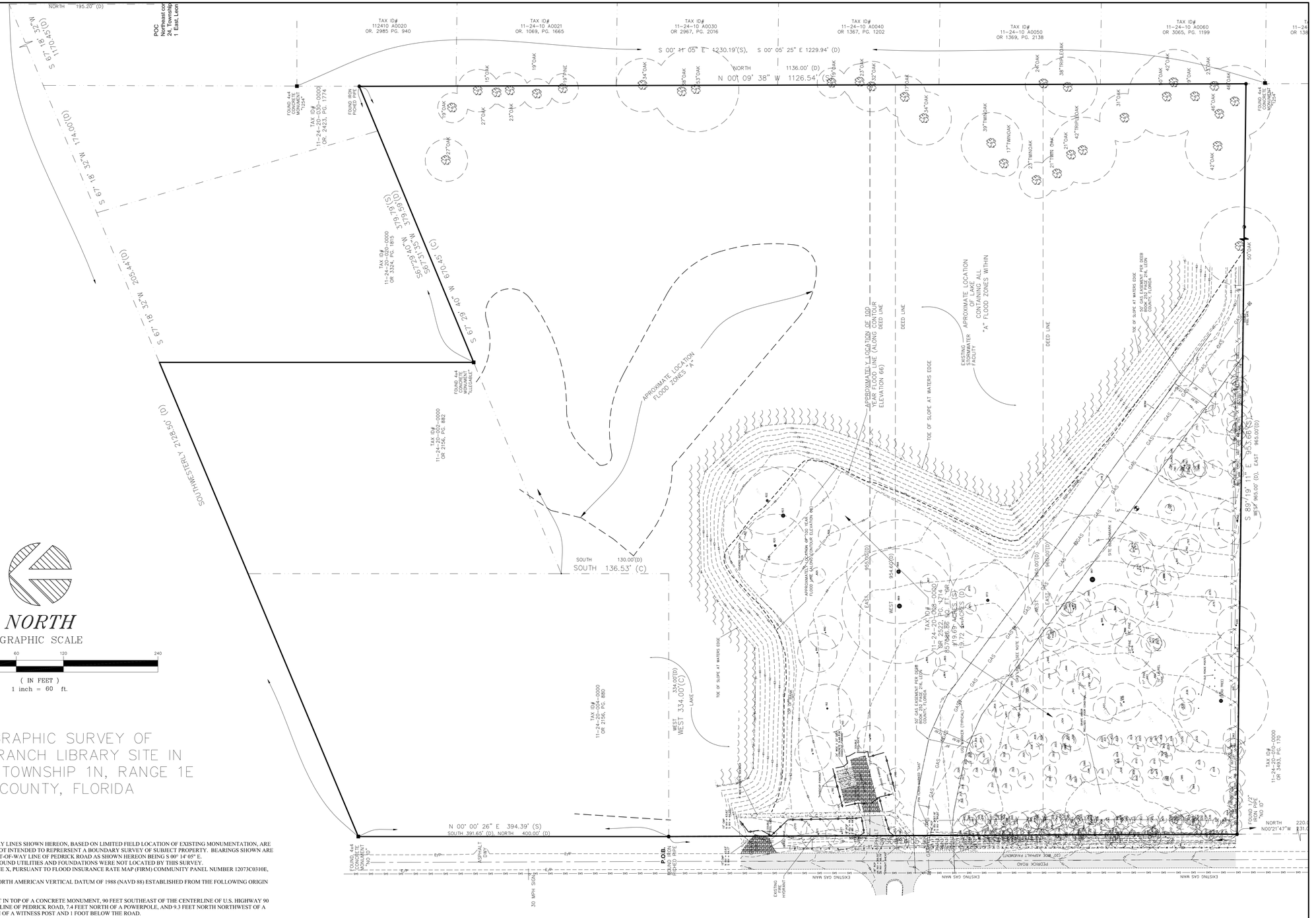
Certified: 40-49 points **Silver:** 50-59 points **Gold:** 60-79 points **Platinum:** 80+ points

The following credits are to be submitted during the construction review:

- SSp1: Construction Activity Pollution Prevention
- SSc5.2: Site Development- Protect or Restore Habitat
- SSc7.1: Heat Island Effect- Non-Roof
- EAp1: Fundamental Commissioning of the Building Energy Systems
- EAc3: Enhanced Commissioning
- EAc5: Measurement & Verification
- MRc2: Construction Waste Management
- MRc4: Recycled Content
- MRc5: Regional Materials
- MRc6: Rapidly Renewable Materials
- IEQc3.1: Construction IAQ Management Plan- During Construction
- IEQc3.2: Construction IAQ Management Plan- Before Occupancy
- IEQc4.1: Low-Emitting Materials- Adhesives and Sealants
- IEQc4.2: Low-Emitting Materials- Paints and Coatings
- IEQc4.3: Low-Emitting Materials- Flooring Systems
- IEQc4.4: Low-Emitting Materials- Composite Wood and Agrifiber Products

Of the credits listed above, the Contractor is directly responsible for filling out the letter templates and providing requested documentation for those listed below. The credits not listed below will be filled out my other persons; however information on installed materials and/or initials may be requested from the Contractor:

- SSp1: Construction Activity Pollution Prevention
- MRc2: Construction Waste Management
- MRc4: Recycled Content
- MRc5: Regional Materials
- MRc6: Rapidly Renewable Materials
- IEQc3.1: Construction IAQ Management Plan- During Construction
- IEQc3.2: Construction IAQ Management Plan- Before Occupancy
- IEQc4.1: Low-Emitting Materials- Adhesives and Sealants
- IEQc4.2: Low-Emitting Materials- Paints and Coatings
- IEQc4.3: Low-Emitting Materials- Flooring Systems
- IEQc4.4: Low-Emitting Materials- Composite Wood and Agrifiber Products



NORTH

GRAPHIC SCALE

60 0 30 60 120 240

(IN FEET)
1 inch = 60 ft.

TOPOGRAPHIC SURVEY OF EASTSIDE BRANCH LIBRARY SITE IN SECTION 24, TOWNSHIP 1N, RANGE 1E LEON COUNTY, FLORIDA

SURVEYORS' NOTES:

1. PARCEL BOUNDARY AND RIGHT-OF-WAY LINES SHOWN HEREON, BASED ON LIMITED FIELD LOCATION OF EXISTING MONUMENTATION, ARE FOR INFORMATION ONLY AND ARE NOT INTENDED TO REPRESENT A BOUNDARY SURVEY OF SUBJECT PROPERTY. BEARINGS SHOWN ARE ASSUMED, BASED ON THE EAST RIGHT-OF-WAY LINE OF PEDRICK ROAD AS SHOWN HEREON BEING S 00° 14' 05" E.
2. EXCEPT AS SHOWN HEREON, UNDERGROUND UTILITIES AND FOUNDATIONS WERE NOT LOCATED BY THIS SURVEY.
3. SUBJECT PROPERTY LIES IN FLOOD ZONE X, PURSUANT TO FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL NUMBER 12073C0310E, LAST REVISED MARCH 16, 2005.
4. ELEVATIONS SHOWN ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) ESTABLISHED FROM THE FOLLOWING ORIGIN BENCH MARK:
   STATION: LEO 109
   DESCRIPTION: BENCHMARK DISK SET IN TOP OF A CONCRETE MONUMENT, 90 FEET SOUTHEAST OF THE CENTERLINE OF U.S. HIGHWAY 90 EAST, 35.4 FEET EAST OF THE CENTERLINE OF PEDRICK ROAD, 7.4 FEET NORTH OF A POWERPOLE, AND 9.3 FEET NORTH NORTHWEST OF A FENCELINE. MARK IS 1.3 FEET NORTH OF A WITNESS POST AND 1 FOOT BELOW THE ROAD.
   ELEVATION: 71.60 FEET
5. SITE BENCHMARKS ARE DESCRIBED AS FOLLOWS:
   BENCHMARK #1 - 5/8 IRON ROD AND CAP STAMPED LB 6816, 309.4'± NORTH OF THE SOUTH PROPERTY LINE AND 270.9'±EAST OF PEDRICK ROAD.
   BENCHMARK #2 - 5/8 IRON ROD AND CAP STAMPED LB 6816, 132.6'± NORTH OF THE SOUTH PROPERTY LINE AND 436.3'± EAST OF PEDRICK ROAD.
6. THE RIGHT-OF-WAY SHOWN FOR PEDRICK ROAD IS BASED ON EXISTING MONUMENTATION FOUND AND LOCATED BY THIS SURVEY.
7. THE GAS LINE SHOWN HEREON IS A LINE CONNECTING EXISTING "UNDERGROUND GAS LINE" WARNING MARKERS LOCATED BY THIS SURVEY. THE ACTUAL UNDERGROUND POSITION OF THE GAS LINE WAS NOT LOCATED BY THIS SURVEY AND MAY VARY FROM THE SURFACE MARKERS.
8. FENCES SHOWN ON THIS SURVEY WERE UNDER CONSTRUCTION AT THE TIME FIELD WORK WAS PERFORMED AND MAY VARY FROM THOSE SHOWN.
9. TREE DESCRIPTIONS ARE NOT GUARANTEED. CONSULT A BIOLOGIST FOR EXACT TREE DESCRIPTIONS.
10. ALL MEASUREMENTS SHOWN ARE IN U.S. FEET

LEGEND / ABBREVIATIONS

- FOUND IRON PIPE (AS NOTED)
- FOUND PINCHED IRON PIPE (AS NOTED)
- WOOD RAIL FENCE
- FIELD FENCE
- CONTOUR LINE
- GAS LINE
- WATER LINE
- BURIED TELEPHONE LINE
- GUY ANCHOR
- POWER POLE
- WATER VALVE
- FIRE HYDRANT
- SINGLE SUPPORT SIGN
- DOUBLE SUPPORT SIGN
- SPOT ELEVATION

LB = LISCENSED BUSINESS
NO-ID = NO IDENTIFICATION
UGL = UNDERGROUND GAS LINE

W.Lanier Mathews, II
Professional Surveyor & Mapper
Florida Certificate Number 4783

Date Signed

SURVEY MAP AND REPORT OR THE COPIES THEREOF ARE NOT VAILD WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

JOHNSON PETERSON
ARCHITECTS
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JPA – PM DOUG SHULER
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DRAWN	PHASE	CHECK	DATE
Author	ASD	I JOHNSON	05/28/09
T.W.	80% CD	PCO	11/25/09
T.W.	100% CD	PCO	01/15/10
T.W.	BID DOC	PCO	03/24/10

REVISIONS

#	DATE	COMMENTS

LEON COUNTY BRANCH LIBRARY – EASTSIDE LIBRARY

BID DOCUMENT

OVERALL TOPOGRAPHIC SURVEY

GENESIS GROUP
Engineers • Landscape Architects • Planners • Surveyors
2507 CALLAWAY ROAD, SUITE 100
TALLAHASSEE, FLORIDA 32303
(850) 224-4400 (850) 681-3600 FAX
FL LC 0000329, FL LB 0006816, FL EB 0007811

C1.1–R

EASTSIDE BRANCH LIBRARY TREES REMOVED

TREE NO.	TREE SIZE	TREE NAME	TREE NO.	TREE SIZE	TREE NAME	TREE NO.	TREE SIZE	TREE NAME
185	11"	OAK	517	04"	LAUREL OAK	671	06"	LAUREL OAK
186	18"	PINE	518	04"	LAUREL OAK	672	10"	LAUREL OAK
316	06"	LAUREL OAK	519	09"	LAUREL OAK	673	13"	PINE
317	06"	LAUREL OAK	520	05"	LAUREL OAK	674	23"	PINE
318	06"	WATER OAK	521	06"	LAUREL OAK	775	08"	LAUREL OAK
319	07"	LAUREL OAK	522	12"	LAUREL OAK	776	10"	LAUREL OAK
320	06"	CHERRY	523	13"	PINE	780	10"	LAUREL OAK
321	10"	CHERRY	584	06"	WATER OAK	781	26"	PINE
322	06"	CHERRY	585	16"	CHERRY	782	08"	LAUREL OAK
323	06"	LAUREL OAK	586	06"	LAUREL OAK	783	06"	CHERRY
324	06"	WATER OAK	587	06"	LAUREL OAK	784	09"	LAUREL OAK
326	06"	CHERRY	593	07"	LAUREL OAK	785	10"	LAUREL OAK
327	07"	LAUREL OAK	594	08"	CHERRY	786	07"	LAUREL OAK
328	07"	WATER OAK	595	07"	LAUREL OAK	788	06"	LAUREL OAK
366	14"	LAUREL OAK	596	07"	CHERRY	789	07"	LAUREL OAK
367	15"	PINE	597	07"	LAUREL OAK	792	18"	LAUREL OAK
380	12"	WATER OAK	598	10"	LAUREL OAK	793	14"	PINE
382	14"	LAUREL OAK	599	07"	CHERRY	795	18"	PINE
395	14"	PINE	601	06"	CHERRY	796	06"	LAUREL OAK
398	10"	LAUREL OAK	602	06"	LAUREL OAK	879	18"	PINE
400	12"	LAUREL OAK	604	06"	CHERRY	880	08"	LAUREL OAK
401	09"	WATER OAK	605	06"	CHERRY	881	18"	PINE
402	11"	LAUREL OAK	606	14"	CHERRY	882	14"	PINE
403	05"	LAUREL OAK	607	07"	CHERRY	886	18"	PINE
404	07"	WATER OAK	608	07"	LAUREL OAK	925	08"	LAUREL OAK
405	12"	LAUREL OAK	609	07"	LAUREL OAK	926	09"	CHERRY
406	06"	LAUREL OAK	610	07"	LAUREL OAK	927	13"	CHERRY
407	06"	WATER OAK	611	08"	LAUREL OAK	928	09"	CHERRY
408	06"	WATER OAK	613	06"	CHERRY	929	06"	LAUREL OAK
409	04"	WATER OAK	614	06"	LAUREL OAK	930	08"	CHERRY
410	07"	WATER OAK	615	08"	CHERRY	931	08"	CHERRY
411	04"	CHERRY	616	07"	LAUREL OAK	932	14"	CHERRY
436	07"	WATER OAK	617	06"	CHERRY	933	07"	CHERRY
437	13"	LAUREL OAK	618	06"	LAUREL OAK	934	12"	LAUREL OAK
438	04"	WATER OAK	619	07"	LAUREL OAK	937	15"	LAUREL OAK
439	05"	WATER OAK	620	08"	LAUREL OAK	938	24"	OAK
440	10"	PINE	621	08"	LAUREL OAK	939	14"	LAUREL OAK
441	10"	LAUREL OAK	622	07"	CHERRY	941	15"	WATER OAK
447	20"	WATER OAK	623	06"	CHERRY	942	14"	PINE
448	14"	WATER OAK	624	06"	CHERRY	943	12"	WATER OAK
457	08"	LAUREL OAK	625	07"	CHERRY	944	14"	PINE
458	09"	LAUREL OAK	626	07"	LAUREL OAK	945	13"	LIVE OAK
459	08"	PINE	627	06"	LAUREL OAK	946	15"	LAUREL OAK
471	04"	WATER OAK	628	06"	LAUREL OAK	947	11"	LAUREL OAK
472	08"	LAUREL OAK	629	06"	LAUREL OAK	948	11"	CHERRY
473	07"	LAUREL OAK	630	13"	LAUREL OAK	950	15"	WATER OAK
474	06"	CHERRY	632	14"	LAUREL OAK	951	15"	PINE
475	05"	WATER OAK	633	06"	LAUREL OAK	955	14"	PINE
476	13"	LAUREL OAK	635	60"	LIVE OAK	958	18"	PINE
477	07"	LAUREL OAK	636	10"	LAUREL OAK	960	6"	WATER OAK
478	12"	LAUREL OAK	637	08"	LAUREL OAK	961	07"	WATER OAK
479	07"	CHERRY	638	14"	LAUREL OAK	962	08"	LAUREL OAK
480	05"	WATER OAK	662	10"	LAUREL OAK	963	07"	CHERRY
481	06"	CHERRY	663	11"	PINE	964	22"	PINE
515	21"	LAUREL OAK	668	19"	PINE	965	10"	LAUREL OAK
516	16"	LAUREL OAK	670	08"	LAUREL OAK			

EASTSIDE BRANCH LIBRARY TREES PRESERVED

TREE NO.	TREE SIZE	TREE NAME	TREE NO.	TREE SIZE	TREE NAME	TREE NO.	TREE SIZE	TREE NAME
070	14"	GUM	393	09"	LAUREL OAK	693	05"	CHERRY
071	22"	PINE	394	05"	WATER OAK	694	13"	WATER OAK
077	21"	PINE	396	08"	LAUREL OAK	695	09"	CHERRY
180	16"	PINE	397	07"	PINE	696	13"	LAUREL OAK
181	23"	PINE	399	07"	LAUREL OAK	697	05"	LAUREL OAK
182	31"	PINE	434	06"	WATER OAK	698	07"	CHERRY
183	14"	PINE	435	05"	WATER OAK	702	13"	LAUREL OAK
184	17"	PINE	442	08"	LAUREL OAK	703	19"	LAUREL OAK
187	09"	OAK	443	08"	LAUREL OAK	704	07"	LAUREL OAK
188	07"	CHERRY	444	05"	WATER OAK	705	06"	LAUREL OAK
286	05"	CHERRY	445	05"	WATER OAK	706	18"	CHERRY
287	08"	PINE	446	06"	CHERRY	707	05"	LAUREL OAK
288	10"	WATER OAK	449	08"	CHERRY	708	10"	CHERRY
289	08"	LAUREL OAK	450	04"	WATER OAK	710	10"	LAUREL OAK
290	10"	WATER OAK	451	04"	WATER OAK	711	07"	CHERRY
291	07"	LAUREL OAK	452	04"	WATER OAK	712	14"	LAUREL OAK
292	09"	LAUREL OAK	453	17"	WATER OAK	715	07"	LAUREL OAK
293	06"	WATER OAK	454	06"	LAUREL OAK	716	08"	LAUREL OAK
294	15"	LAUREL OAK	455	07"	WATER OAK	717	06"	LAUREL OAK
295	10"	WATER OAK	456	07"	LAUREL OAK	718	15"	CHERRY
296	06"	WATER OAK	524	06"	LAUREL OAK	719	06"	CHERRY
297	09"	WATER OAK	525	06"	LAUREL OAK	772	08"	PINE
298	04"	WATER OAK	526	07"	LAUREL OAK	773	07"	PINE
299	08"	WATER OAK	527	04"	LAUREL OAK	774	08"	PINE
300	06"	WATER OAK	528	12"	LAUREL OAK	777	11"	LAUREL OAK
301	08"	WATER OAK	529	07"	LAUREL OAK	778	09"	LAUREL OAK
302	05"	WATER OAK	530	15"	LAUREL OAK	794	25"	PINE
303	36"	LAUREL OAK	531	04"	LAUREL OAK	819	55"	LIVE OAK
325	08"	CHERRY	532	07"	LAUREL OAK	820	34"	LIVE OAK
346	09"	WATER OAK	533	05"	LAUREL OAK	821	08"	DOGWOOD
347	06"	LAUREL OAK	534	04"	LAUREL OAK	822	43"	LIVE OAK
348	06"	LAUREL OAK	535	05"	LAUREL OAK	823	56"	LIVE OAK
349	05"	WATER OAK	536	13"	LAUREL OAK	824	14"	DOGWOOD
350	10"	LAUREL OAK	537	05"	LAUREL OAK	825	10"	PECAN
352	07"	WATER OAK	538	04"	LAUREL OAK	864	16"	PINE
353	08"	CHERRY	539	06"	CHERRY	865	13"	LAUREL OAK
354	08"	CHERRY	540	06"	CHERRY	866	16"	LAUREL OAK
355	06"	WATER OAK	541	07"	CHERRY	867	11"	WATER OAK
356	07"	WATER OAK	542	04"	LAUREL OAK	868	56"	LIVE OAK
357	10"	WATER OAK	543	05"	LAUREL OAK	869	69"	LIVE OAK
358	06"	WATER OAK	544	06"	LAUREL OAK	870	07"	DOGWOOD
359	04"	WATER OAK	545	08"	LAUREL OAK	871	07"	DOGWOOD
360	11"	LIVE OAK	546	07"	LAUREL OAK	872	24"	LAUREL OAK
361	08"	LAUREL OAK	547	05"	LAUREL OAK	873	53"	LIVE OAK
362	07"	WATER OAK	548	06"	CHERRY	874	06"	LAUREL OAK
363	05"	WATER OAK	549	08"	PINE	875	22"	PINE
364	12"	PINE	550	04"	LAUREL OAK	876	06"	LAUREL OAK
365	07"	WATER OAK	551	09"	LAUREL OAK	877	07"	LAUREL OAK
368	05"	WATER OAK	552	12"	LAUREL OAK	878	18"	PINE
369	06"	LAUREL OAK	553	07"	LAUREL OAK	884	17"	WATER OAK
370	08"	WATER OAK	554	04"	LAUREL OAK	885	29"	PINE
371	09"	WATER OAK	555	08"	LAUREL OAK	891	25"	PINE
372	05"	WATER OAK	556	12"	LAUREL OAK	892	22"	PINE
373	07"	CHERRY	557	08"	WATER OAK	915	12"	LAUREL OAK
374	05"	WATER OAK	558	07"	LAUREL OAK	916	09"	LAUREL OAK
375	07"	WATER OAK	559	10"	CHERRY	917	09"	WATER OAK
376	12"	LAUREL OAK	560	13"	CHERRY	918	06"	CHERRY
377	06"	WATER OAK	561	12"	LAUREL OAK	919	07"	WATER OAK
378	07"	GUM	562	14"	LIVE OAK	920	06"	WATER OAK
379	08"	WATER OAK	634	06"	LAUREL OAK	921	08"	LAUREL OAK
381	06"	CHERRY	641	04"	CHERRY	922	06"	LAUREL OAK
383	04"	WATER OAK	645	24"	LAUREL OAK	924	06"	CHERRY
384	06"	WATER OAK	649	25"	OAK	954	10"	LAUREL OAK
385	18"	PINE	675	08"	CHERRY	959	12"	WATER OAK
386	07"	WATER OAK	676	07"	LAUREL OAK	960	06"	WATER OAK
387	28"	OAK	683	30"	LAUREL OAK	961	07"	WATER OAK
388	12"	LAUREL OAK	684	05"	LAUREL OAK	962	08"	LAUREL OAK
389	16"	LAUREL OAK	685	04"	LAUREL OAK	963	07"	CHERRY
390	08"	LAUREL OAK	686	08"	LAUREL OAK	964	22"	PINE
391	04"	WATER OAK	687	10"	LAUREL OAK	965	10"	LAUREL OAK
392	06"	WATER OAK	691	05"	LAUREL OAK	966	07"	WATER OAK

EASTSIDE BRANCH LIBRARY TREES TABULATION TABLE

Development Area:	7.85	ACRES

TREES DEBITS

Diameter (DBH) Tree Removed (Inches)	Minimum Replacement Tree Debits	Number of Trees Removed	Calculated Debits for Trees
Trees Removed			
2-3	1	0	0
4-6	2	48	96
7-12	4	76	304
13-18	6	38	228
19-24	8	6	48
25-30	10	1	10
31-36	16	0	0
37-42	20	0	0
43-48	24	0	0
49-60	28	0	0
Over 60	40	1	40
	Total Trees Removed:	170	↓
		Total Tree Debits:	726

TREES CREDITS

Diameter (DBH) Tree Preserved (Inches)	Minimum Replacement Tree Credits	Number of Trees Preserved	Calculated Credits for Trees
Trees Preserved			
2-3	1	0	0
4-6	2	69	138
7-12	4	97	388
13-18	6	24	144
19-24	8	9	72
25-30	10	6	60
31-36	16	3	48
37-42	20	0	0
43-48	24	1	24
49-60	28	4	112
Over 60	40	2	80
	Total Trees Preserved:	215	↓
		Total Tree Credits:	1066

Total Number of Trees Removed:	170	Total Number of Trees Preserved:	215
Total Number of Debits:	726	Total Number of Credits:	1066
Reforestation: (7.85 Acres x 40) =	314 Debits	Replanting:	0

Total Preservation Credits:	Total Replanting Credits		Total Replacement Debits	Reforestation Requirements
1066	0	≥	726	0

LEGEND

- CB — = LIMITS OF CONSTRUCTION
- EF — = GAS LINE EASEMENT BARRIER FENCING
- FF — = SILT FENCE
- TB — = TREE BARRICADE
- IP — / ▭ = INLET PROTECTION
- ▭ = EXISTING ASPHALT
- (X) = EXISTING TREES TO BE REMOVED

NORTH

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

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T.W.	BID DOC	PCO	03/24/10

REVISIONS

#	DATE	COMMENTS
1	4-07-10	GROWTH MANAGEMENT 4.6.10 COMMENTS

LEON COUNTY BRANCH LIBRARY – EASTSIDE LIBRARY

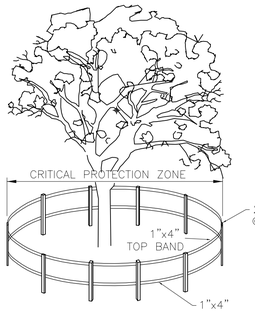
BID DOCUMENT

DEMOLITION, TREES TABULATION

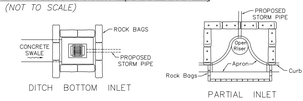
C1.2-R

SEQUENCE OF CONSTRUCTION

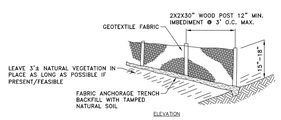
1. First construct tree protection barricades and sedimentation / erosion controls, where applicable, and then clearly "Flag" the limits of clearing. Construction activity shall not commence until the sediment controls have been inspected and approved by the County Environmental Inspector. Additional measures may be required by engineer and or County environmental inspector.
2. Clear the remaining portion of the site and create diversion channels to direct stormwater flow to the Pond. Where needed, construct check dams of hay bales. Dams shall be used to trap sediment before it reaches the POND. Also any area that is disturbed in steep sloping areas shall be sodded soon after grading to prevent any erosion.
3. Construct sanitary sewer, stormwater system, utilities and other site improvements in accordance with the approved plans.
4. Construct landscape in accordance with the approved plans, Sod all disturbed areas unless specified, on the plans, to be seeded and mulched. Disturbed areas include any part of the site that has been altered from its natural or original condition.
5. The Existing master SWWF Operating Permit shall be updated upon completion of construction; File sealed Record Drawings and the Stormwater Compliance Report with the County's Environmental Division.
6. Contractor will be responsible for notifying the NWFWMD of construction commencement, and resubmitting as-built plans to NWFWMD. as-built plans to NWFWMD to transfer permit from construction phase to operations.
7. Contractor to maintain and ensure smooth traffic flow within the site and affected streets.
8. Erosion/silt control measures shown on the plans are at a minimum. Contractor to provide additional or adequate erosion / silt control measures as may be required on the site.
9. All excavation must be done with extreme caution to prevent damage to existing vegetation and underground utilities. Any damage to existing active utilities must be repaired at the Contractor's expense and to the Owner's satisfaction. The Contractor must field verify the condition prior to excavation. The contractor is responsible for coordinating with the Owner, utility companies, and also using all available method to determine exact location of utilities.
10. As part of the demolition, the contractor shall remove all exotic/invasive plants to the east and south of the property as called for in the Landscape Plan.
11. At such time as the applicant has completed construction of all required improvements, he shall furnish to the County "As-Built" plans and profiles prepared by a licensed land surveyor or engineer on material, designated by the County, twenty four inches by thirty six inches in size on which drawings shall show the actual location of all streets, culverts, head walls, drains, manholes, catch basins, sidewalks, curbs and the location of utilities and all other pertinent information such as culvert and drain grades, sewer grades, sidewalk and curb grades and elevation of any that do not conform to those shown on the plans and profiles previously approved by the governing body.



TREE BARRICADE DETAIL (FDOT TYPE V)
SCALE: (NOT TO SCALE)



PROTECTION AROUND INLETS
(NOT TO SCALE)



CONSTRUCTION PLAN NOTES FOR INVASIVE/EXOTIC CONTROL

1) PRIOR TO APPLICATION OF HERBICIDES AND OTHER INVASIVE/EXOTIC TREATMENT/REMOVAL ACTIVITIES, POST SIGNS ADJACENT TO PUBLIC USE AREAS TO NOTIFY CITIZENS ABOUT THE PENDING TREATMENT ACTIVITY.

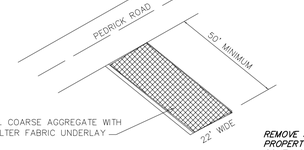
2) BEGIN MANAGEMENT IN ALL NATURAL AREAS, BUFFER AREAS, AND LANDSCAPE AREAS AS IDENTIFIED ON THE PERMIT PLAN MAP AND CONSISTENT WITH THE APPROVED VEGETATION MANAGEMENT PLAN (VMP).
   a) CUT TREES AND LARGE WOODY SHRUBS (CONTAINERIZE MULCH) AND TREAT STUMPS AS SPECIFIED IN VMP TABLE.
   b) TREAT ALL SMALLER SHRUB AND HERBACEOUS VEGETATION AS SPECIFIED IN VMP TABLE.
   c) PULL SEEDLINGS BY HAND.

3) MONITOR SITE 1-2 MONTHS AFTER INITIAL TREATMENT. COORDINATE REQUIREMENTS FOR SECOND CONTROL/TREATMENT WITH JILL WEISMAN (LCGEM, PHN 606-1376).

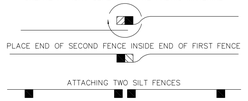
4) CONDUCT SECOND CONTROL/TREATMENT (LATE SUMMER IDEAL).

5) TWO WEEKS AFTER SECOND TREATMENT (LONGER IF RECOMMENDED BY ANY APPLIED HERBICIDE EXPOSURE LIMITATION INSTRUCTIONS), PLANT ADDITIONAL TREES, SHRUBS AND GROUNDCOVER TO MEET REQUIRED PLANTING DENSITIES AS SPECIFIED IN PLANS.

6) REMOVE POSTED HERBICIDE APPLICATION SIGNS ONCE POTENTIAL EXPOSURE TO APPLIED HERBICIDES IS MINIMAL.



GRAVEL CONSTRUCTION
TWO PEDRICK ROAD CONSTRUCTION ENTRANCES
(NOT TO SCALE) ENTRANCE DETAIL



SILT FENCE DETAIL (ES*BMP 1.06)
N.T.S.
* REFER TO ES BMP 1.06 "FLORIDA DEVELOPMENT MANUAL -GUIDE TO SOUND LAND AND WATER MANAGEMENT"

EROSION CONTROL NOTES:

1. THE LOCATION OF SEDIMENTATION AND EROSION CONTROL MEASURES ARE PRELIMINARY AND MAY BE MODIFIED DURING CONSTRUCTION. ADDITIONAL MEASURES SHALL BE PROVICED BY THE CONTRACTOR AS NEEDED.
2. **NO INSTALLATION, CONSTRUCTION, EXCAVATION, OR DEMOLITION WORK SHALL BE PERFORMED WITHIN THE EASEMENT AREA ON WEEKENDS OR HOLIDAYS UNLESS OWNER AGREES TO REIMBURSE FGT FOR ITS COST, INCLUDING OVERTIME COSTS, ASSOCIATED WITH INSPECTION DURING THOSE PERIODS.**
3. **THE DEVELOPER OR CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY CONSTRUCTION FENCE ALONG THE EASEMENT BOUNDARIES FOR THE ENTIRE LENGTH OF THE PROPOSED WORK AREA TO PRESERVE AND PROTECT THE PIPELINE(S). THE FENCE MUST BE MAINTAINED FOR THE DURATION OF THE DEVELOPMENT OR CONSTRUCTION ACTIVITY. ACCESS ACROSS FGT'S EASEMENT WILL BE GRANTED AT SPECIFIC LOCATIONS FOR VEHICLE AND EQUIPMENT TRAFFIC ONCE A WHEEL LOAD CALCULATION HAS BEEN COMPLETED. ADDITIONAL COVER OR MATTING MAY BE REQUIRED. ANY CHANGES TO THIS REQUIREMENT MUST BE APPROVED IN WRITING BY FGT PRIOR TO START OF WORK**
4. TYPE IV SILT FENCE TO BE USED WHERE LARGE SEDIMENT LOADS ARE ANTICIPATED. SUGGESTED USE IS WHERE FILL SLOPE IS 1:2 OR STEEPER AND LENGTH OF SLOPE EXCEED 25 FEET. AVOID USE WHERE THE DETAINED WATER MAY BACK INTO TRAVEL LANES OR OFF THE RIGHT OF WAY.
5. DO NOT CONSTRUCT SILT FENCES ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE AT UPLAND LOCATIONS AND, WHEN APPLICABLE, TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.
6. WHERE USED AS SLOPE PROTECTION, SILT FENCE IS TO BE CONSTRUCTED ON 0% LONGITUDINAL GRADE TO AVOID CHANNELIZING RUNOFF ALONG THE LENGTH OF THE FENCE.
7. SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE. (LF).
8. THE EROSION AND SEDIMENT CONTROLS SHOWN ON THE PLANS ARE THE MINIMUM REQUIRED. ADDITIONAL MEASURES MAY BE REQUIRED BY THE ENVIRONMENTAL INSPECTOR TO CONTROL SEDIMENTS.

GRAVEL ENTRANCE NOTES:

1. THE PEDRICK ROAD CONSTRUCTION ACCESS SHALL BE STABILIZED USING FDOT SIZE #1 MINIMUM THICKNESS OF COARSE AGGREGATE.
2. IF SIZE #1 IS NOT AVAILABLE, THE NEXT AVAILABLE SMALLER SIZE AGGREGATE MAY BE SUBSTITUTED WITH APPROVAL OF THE ENGINEER.
2. FILTER FABRIC TYPE D-1, FDOT INDEX 199, SHALL BE UTILIZED.
3. AGGREGATE SHALL BE APPLIED IMMEDIATELY AFTER GRADING OR THE COMPLETION OF UTILITY CONSTRUCTION WITHIN THE RIGHT OF WAY.

LEGEND

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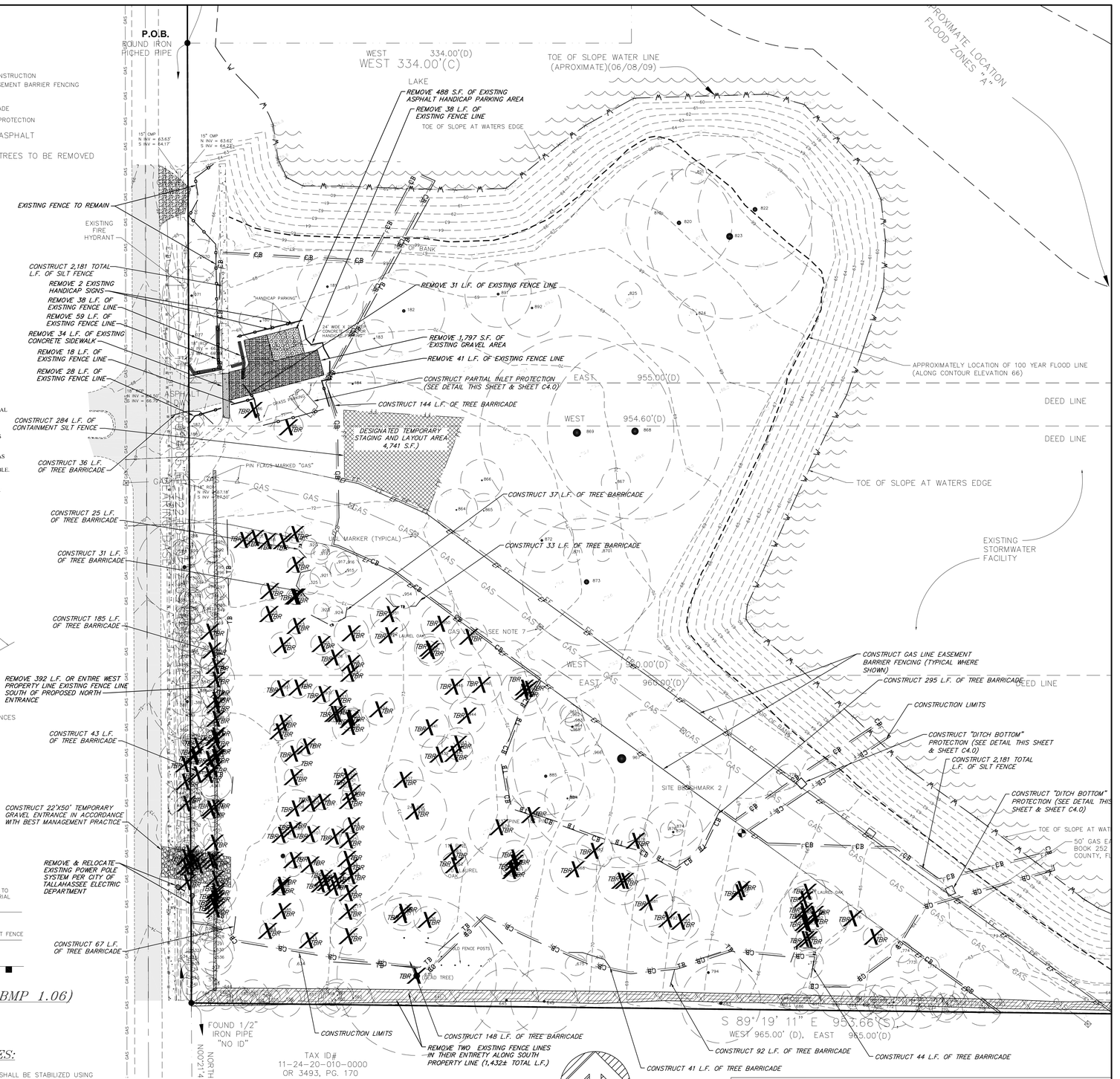
- ▭ = EXISTING ASPHALT
- (X) = EXISTING TREES TO BE REMOVED



GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

NORTH

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T.W.	100% CD	PCO	01/15/10
T.W.	BID DOC	PCO	03/24/10

REVISIONS

#	DATE	COMMENTS
1	3-29-10	GROWTH MANAGEMENT
2	4-07-10	GROWTH MANAGEMENT 4.6.10 COMMENTS

LEON COUNTY BRANCH LIBRARY – EASTSIDE LIBRARY

BID DOCUMENT

DEMOLITION, SEDIMENTATION & EROSION CONTROL

THIS PLAN IS NOT VALID FOR CONSTRUCTION UNLESS SIGNED AND SEALED BY THE ENGINEER OF RECORD.

PETER C. EKONKWO, P.E. DATED
FLA. REGISTRATION NO. 51459

C2.0-R

HATCH LEGEND:

- = 6' WIDE CONCRETE SIDEWALK/MISCELLANEOUS (COORDINATE SAW CUTS/CONTROL JOINTS WITH ARCH SHEET A1.0)
- = ADA HANDICAP RAMP STRIPPING
- = CONCRETE PAVEMENT/DRIVE
- = CONCRETE PAVERS
- = DESIGNATED LANDSCAPE ISLANDS
- = PROPOSED BUILDING
- = 5 HYBRID PARKING SPACES (CONCRETE)
- = TYPE F CURB (TYP.)(TO BE CONSTRUCTED)
- = TYPE E CURB (AROUND TWO INTERIOR ISLANDS ONLY AS CALLED OUT)(TO BE CONSTRUCTED)

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)

1 inch = 40 ft.

GENERAL NOTE:

1. ALL SIGNAGE SHALL BE CONSTRUCTED IN ACCORDANCE WITH SHEET A0.2.
2. ALL SIDEWALK SHALL BE BUILT TO MEET FDOT AND ADA STANDARDS.

IMPERVIOUS AREA DATA
EXISTING IMPERVIOUS AREA: 2,497.97 S.F. OR 0.297 ACRE
EXISTING IMPERVIOUS AREA REMOVED: 1,547.68 S.F. OR 0.035 ACRE
PROPOSED IMPERVIOUS AREA: 69,395.60 S.F. OR 1.576 ACRE
TOTAL NEW IMPERVIOUS AREA PROPOSED: 68,669.97 S.F. OR 1.576 ACRE
6.466% OF TOTAL SITE

NORTH

Eastside Library Site Data Table

ZONING OF PROPOSED SITE:	RESIDENTIAL PRESERVATION (RP)		
PARCEL ID NUMBERS:	11-24-20-002-000-0, 11-24-20-004-000-0, 11-24-20-008-000-0		
TOTAL ACREAGE OF SITE:	1,073,318.40	24.640	100%
PROPOSED BUILDING HEIGHT:	35 FEET		
FLOOR AREA RATIO:	0.012		
PROPOSED BUILDING AREA:	13,200 SQUARE FEET		
BUILDING SETBACKS:		REQUIRED	PROVIDED
	FRONT	25 FEET	64.74'
	REAR	25 FEET	714.77'
	SIDES	15 FEET	184.88' (Right)
UTILITY PROVIDER: CITY OF TALLAHASSEE			
PARKING STANDARDS (PER 10-7.545(B), LDC)			
REGULAR SPACES REQUIRED: PER PARKING STUDY = 66 TO 88 REGULAR SPACES + 9 PARK PARKINGS			
PARKING SPACES PROVIDED: 92 REGULAR (INCLUDING PARK PARKING)			
HANDICAPPED SPACES REQUIRED: 4 HANDICAP SPACES			
HANDICAPPED SPACES PROVIDED: 5 SPACES			
BICYCLE PARKING REQUIRED: 0.10 PER REQUIRED PARKING SPACE = 10.0 SPACES			
BICYCLE PARKING PROPOSED: 10.0 SPACES (PER PARKING SPACES PROVIDED)			
PRE-DEVELOPMENT (EXISTING)	***SQUARE FOOTAGE***	***ACREAGE***	***% OF SITE***
BUILDING AREA:	0.00	0.000	0.00%
ASPHALT HANDICAP PARKING AREA (To Be Removed):	487.62	0.011	0.05%
CONCRETE AREA (To Be Removed):	161.42	0.004	0.02%
CONCRETE AREA (Conc. Sidewalk) (To Remain):	950.29	0.022	0.09%
GRAVEL AREA (50% Impervious) (To Be Removed):	898.64	0.021	0.08%
TOTAL EXISTING IMPERVIOUS:	**2,497.97**	**0.057**	**0.23%**
TOTAL EXISTING IMPERVIOUS (To Be Removed):	**1,547.68**	**0.036**	**0.14%**
TOTAL EXISTING IMPERVIOUS (To Remain):	**950.29**	**0.022**	**0.09%**
POND	547,286.29	12.564	50.99%
TOTAL PONDS AREA (EXISTING):	547,286.29	12.564	50.99%
POST-DEVELOPMENT (PROPOSED)	***SQUARE FOOTAGE***	***ACREAGE***	***% OF SITE***
BUILDING AREA:	13,200.00	0.303	1.23%
"POURED SURFACE" & PLAZA AREAS:	1,994.44	0.046	0.19%
MECHANICAL FACILITY:	300.00	0.007	0.03%
CURB & GUTTER:	4,717.20	0.108	0.44%
CONCRETE PAVEMENT AREA:	43,090.11	0.989	4.01%
GRASS PAVERS AREA:	725.63	0.017	0.07%
CONC. (Bike Parking, Dumpster, Arctect. Sidewalk):	4,417.93	0.101	0.41%
EXISTING IMPERVIOUS (To Remain):	950.29	0.022	0.09%
TOTAL PROPOSED IMPERVIOUS AREA:	**69,395.60**	**1.593**	**6.47%**
EXISTING POND	**547,286.29**	**12.564**	**50.99%**
NATURAL AREA:	**183,714.79**	**4.218**	**17.12%**
LANDSCAPE/OTHER AREAS:	**272,921.72**	**6.265**	**25.43%**

PARKING STANDARD ANALYSIS AND RECOMMENDATION:

A PARKING STUDY OF SEVERAL BRANCH LIBRARIES IN FLORIDA WAS CONDUCTED IN AN EFFORT TO DETERMINE WHAT NUMBER OF PARKING SPACES ARE NEEDED FOR THE EASTSIDE BRANCH LIBRARY. THE LIBRARIES STUDIED INCLUDE BARTAIN TRAIL BRANCH LIBRARY, IN ST JOHN'S COUNTY, FLORIDA; PONTE VEDRA BRANCH LIBRARY, IN ST JOHN'S COUNTY, FLORIDA; WILLOW BRANCH LIBRARY, IN DUVAL COUNTY, FLORIDA; AND BEACHES BRANCH LIBRARY, IN DUVAL COUNTY, FLORIDA. AVERAGE BUILDING SQUARE FEET FOR THE LIBRARIES VARIES. INFORMATION RECEIVED FROM THE FACILITIES TEND TO SHOW THAT THE PARKING NEEDS OF THESE BRANCH LIBRARIES, PARTICULARLY THE HIGHLY USED LIBRARIES IS ONE (1) PARKING PER 150 SQUARE FEET TO ONE (1) PARKING PER 200 SQUARE FEET.

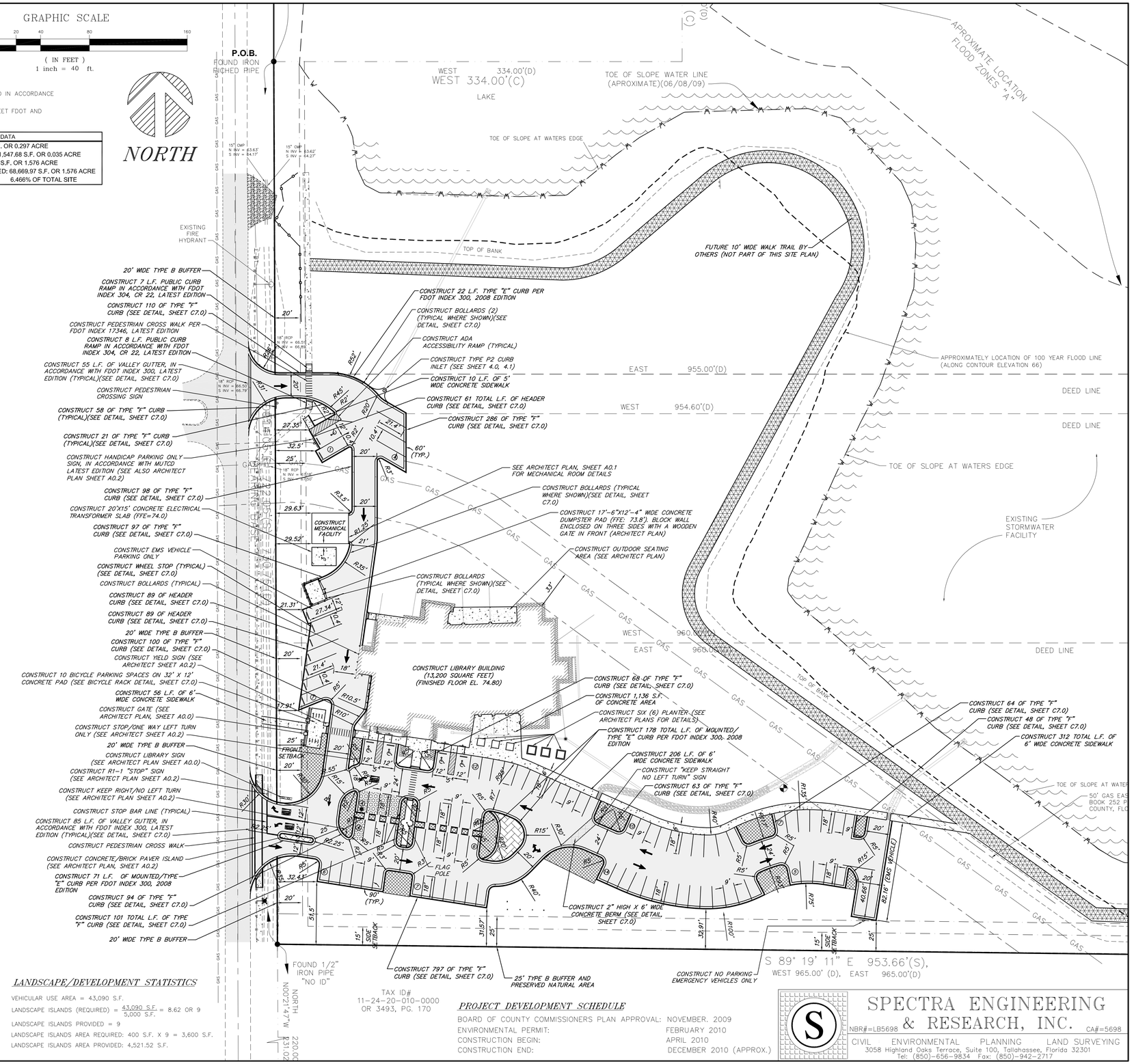
ALSO, A STUDY OF THE NEW NORTHEAST BRANCH LIBRARY AND THE B.L. PERRY BRANCH LIBRARY SHOWS THAT BETWEEN FIVE (500) HUNDRED TO SEVEN (700) HUNDRED PEOPLE PER DAY USE THE BRANCH LIBRARIES. MAXIMUM NUMBER OF PEOPLE PER HOUR RANGE FROM ONE (100) TO ONE HUNDRED–TWENTY (120) WITH AN AVERAGE OF TWO–FOUR (2–4) PEOPLE PER CAR.

THE EASTSIDE BRANCH LIBRARY WILL ALSO SERVE AS A COMMUNITY PARK. THE USE OF THE SITE AS A PARK AND POTENTIAL WALK TRAIL ALSO INCREASES THE NEED FOR ADDITIONAL PARKING. SOME EXISTING PARKING AREAS BEING USED FOR THE PARK WILL BE DEMOLISHED AS PART OF THE PROJECT. SOME OF THE LOST PARKING AREAS WILL BE REPLACED TO THE NORTHERN AREA. IT IS ANTICIPATED THAT SOME OF THE PARKING SPACES BEING PROVIDED FOR THE LIBRARY WILL ALSO BE USED FOR THE PARK. FURTHERMORE, IN EVALUATING THE BRANCH LIBRARIES, THE ONES WITHIN WALKING DISTANCES TO RESIDENTIAL SUBDIVISIONS AND SCHOOLS ALSO SHOW INCREASED USE AND INCREASES TRAFFIC FLOW.

THEREFORE, APPLYING THIS SITUATION TO THE EASTSIDE BRANCH LIBRARY, THE PARKING NEED WILL BE BETWEEN PARKING ONE (1) PER 150 SQUARE FEET TO ONE (1) PARKING PER 200 SQUARE FEET OF BUILDING AREA.

THEREFORE, FOR THE PROPOSED 13,200 SQUARE FEET LIBRARY, THE PARKING NEED WILL BE BETWEEN 66 REGULAR PARKING TO 88 REGULAR PARKING SPACES. THE PARKING NEED FOR THE COMMUNITY PARK WILL REQUIRE ADDITIONAL 9 PARKING SPACES.

THEREFORE, THE TOTAL REGULAR PARKING OF 92 SPACES PROVIDED WILL BE ADEQUATE TO SERVE THE EASTSIDE BRANCH LIBRARY AND THE COMMUNITY PARK.



LANDSCAPE/DEVELOPMENT STATISTICS

VEHICULAR USE AREA = 43,090 S.F.

LANDSCAPE ISLANDS (REQUIRED) = 43,090 S.F. = 8.62 OR 9 5,000 S.F.

LANDSCAPE ISLANDS PROVIDED = 9

LANDSCAPE ISLANDS AREA REQUIRED: 400 S.F. X 9 = 3,600 S.F.

LANDSCAPE ISLANDS AREA PROVIDED: 4,521.52 S.F.

PROJECT DEVELOPMENT SCHEDULE

BOARD OF COUNTY COMMISSIONERS PLAN APPROVAL:	NOVEMBER. 2009
ENVIRONMENTAL PERMIT:	FEBRUARY 2010
CONSTRUCTION BEGIN:	APRIL 2010
CONSTRUCTION END:	DECEMBER 2010 (APPROX.)

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DRAWN	PHASE	CHECK	DATE
Author	ASD	JOHNSON	05/28/09
T.W.	80% CD	PCO	11/25/09
T.W.	100% CD	PCO	01/15/10
T.W.	BID DOC	PCO	03/24/10

REVISIONS

#	DATE	COMMENTS
1	1-4-10	11-18-09 DRC COMMENTS
2	2-4-10	02-01-10 GAS COMPANY
3	2-9-10	GROWTH MANAGEMENT
4	4-07-10	GROWTH MANAGEMENT 4.6.10 COMMENTS
	4-21-10	RELOCATION OF DUMPSTER AREA PER CLIENT

LEON COUNTY BRANCH LIBRARY – EASTSIDE LIBRARY

BID DOCUMENT

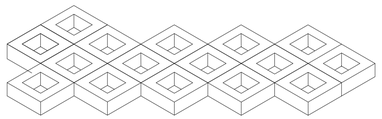
SITE & GEOMETRY PLAN

THIS PLAN IS NOT VALID FOR CONSTRUCTION UNLESS SIGNED AND SEALED BY THE ENGINEER OF RECORD.

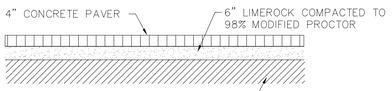
PETER C. OKONKWO, P.E. DATED
FLA. REGISTRATION NO. 51459

C3.0–R

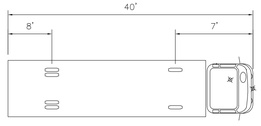
= CONCRETE PAVERS



Concrete Pavers (NTS)
Center of pavers to be filled with fins
grade soil/sand



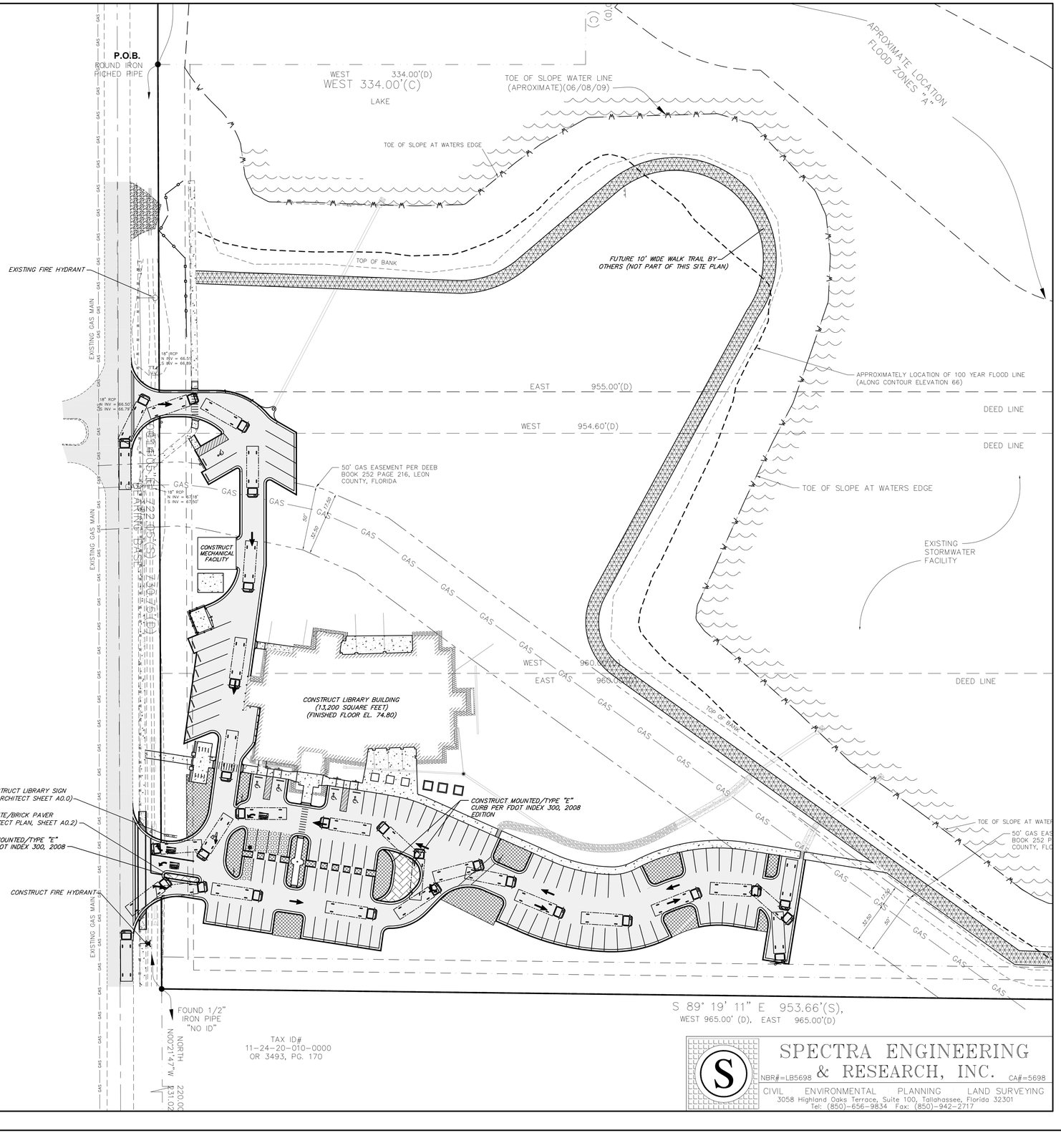
TYPICAL CONCRETE "PAVERS SECTION
SCALE: NTS



TYPICAL 40' FIRE TRUCK
N.T.S.

NORTH
GRAPHIC SCALE

40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.



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T.W.	100% CD	PCO	01/15/10
T.W.	BID DOC	PCO	03/24/10

REVISIONS

#	DATE	COMMENTS
1	02-12-10	COT FIRE DEPARTMENT

LEON COUNTY BRANCH LIBRARY – EASTSIDE LIBRARY

BID DOCUMENT

EMS ACCESS ROUTE LAYOUT

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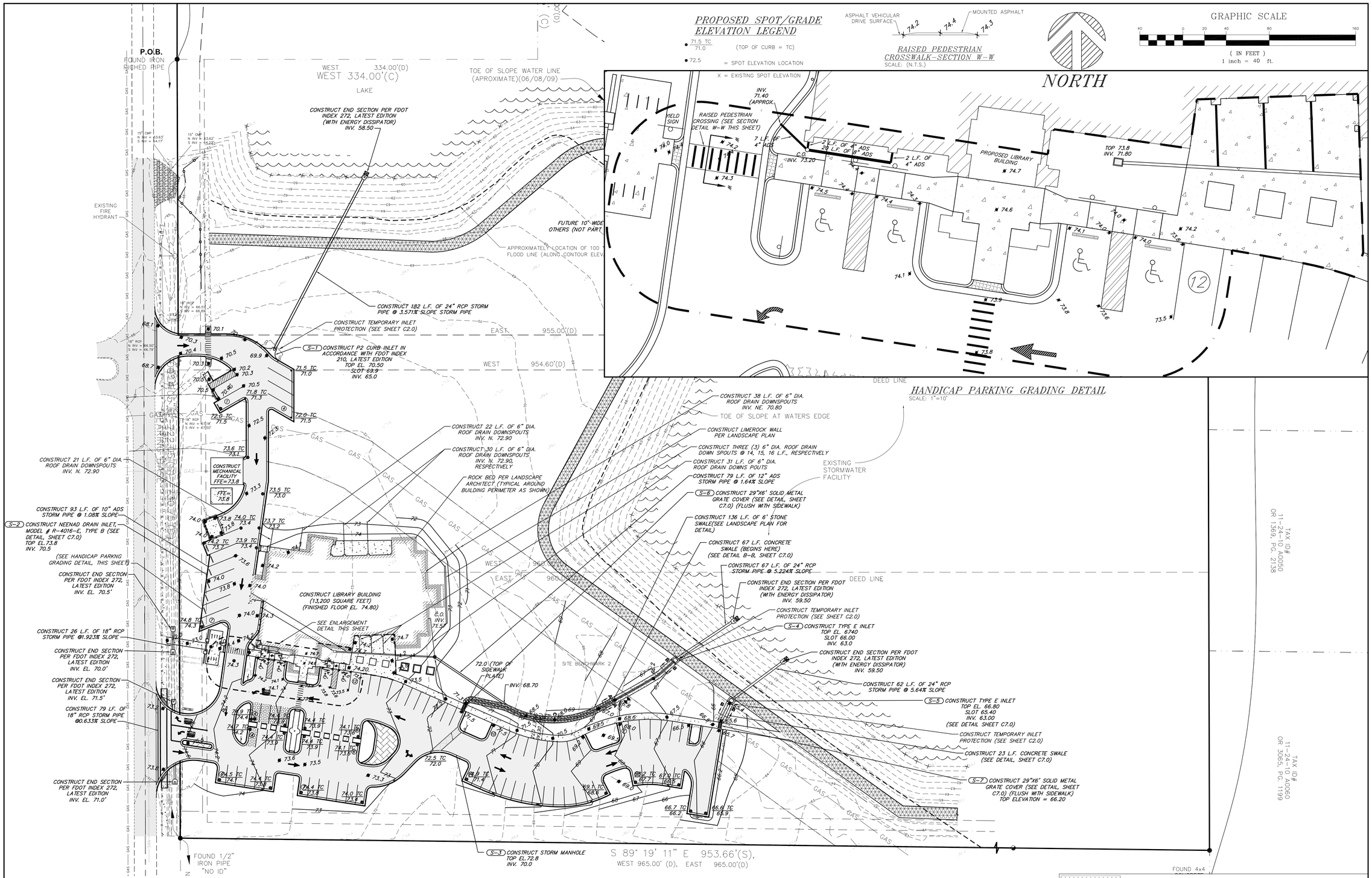
PETER C. OKONKWO, P.E. DATED
FLA. REGISTRATION NO. 51459

C3.1-R



NOTES:

1. EXISTING REGIONAL STORMWATER FACILITY HAS AVAILABLE CAPACITY TO SERVE THE PROPOSED EASTSIDE BRANCH LIBRARY ACCORDING TO LEON COUNTY PUBLIC WORKS DEPARTMENT
2. CONTRACTOR TO TRANSITION GRADES IN ALL BACK OF CURB OR SIDEWALKS TO EXISTING GRADE AT A MINIMUM OF 4:1 SLOPE. ALL AREAS SHALL BE SODDED.

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REVISIONS

#	DATE	COMMENTS
1	3-29-10	GROWTH MANAGEMENT
2	4-07-10	GROWTH MANAGEMENT 4.6.10 COMMENTS

LEON COUNTY BRANCH LIBRARY – EASTSIDE LIBRARY

BID DOCUMENT

DRAINAGE & GRADING PLAN (WITHOUT TREES)

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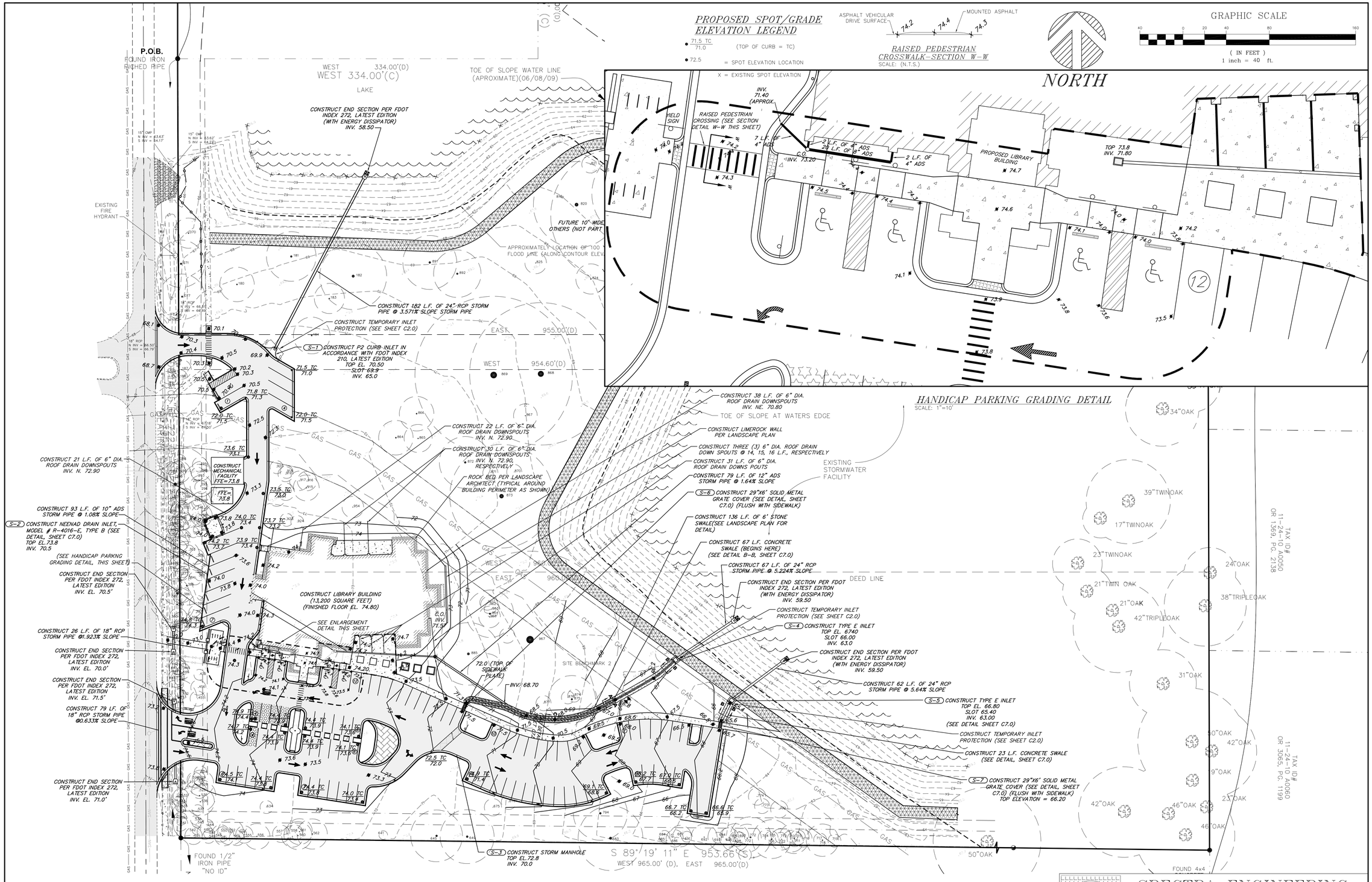
PETER C. OKONKWO, P.E. DATED
FLA. REGISTRATION NO. 51459

C4.0-R



PROPOSED SPOT/GRADE ELEVATION LEGEND

- 71.5 TC / 71.0 (TOP OF CURB = TC)
- 72.5 = SPOT ELEVATION LOCATION
- X = EXISTING SPOT ELEVATION

RAISED PEDESTRIAN CROSSWALK–SECTION W–W

SCALE: (N.T.S.)

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

HANDICAP PARKING GRADING DETAIL

SCALE: 1"=10'

NOTE:
EXISTING REGIONAL STORMWATER FACILITY HAS AVAILABLE CAPACITY TO SERVE THE PROPOSED EASTSIDE BRANCH LIBRARY ACCORDING TO LEON COUNTY PUBLIC WORKS DEPARTMENT

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LEON COUNTY BRANCH LIBRARY – EASTSIDE LIBRARY

BID DOCUMENT

DRAINAGE & GRADING PLAN (WITH TREES)

PETER C. OKONKWO, P.E. DATED
FLA. REGISTRATION NO. 51459

C4.1–R

SEWER FLOW CALCULATIONS

BUILDING (EASTSIDE BRANCH LIBRARY)

TOTAL ESTIMATED EMPLOYEES = 10 STAFF

TOTAL ESTIMATED NUMBER OF LIBRARY USE = 150 PEOPLE

AVERAGE FLOW BASED ON 60 GPCD

TOTAL AVERAGE DAILY FLOW = 160 X 60 = 9,600 GPD

PEAK HOUR FLOW (BASED ON 300% AND 18 HOURS USE) = 1,600 GALLONS

WATER DEMAND FLOW CALCULATIONS

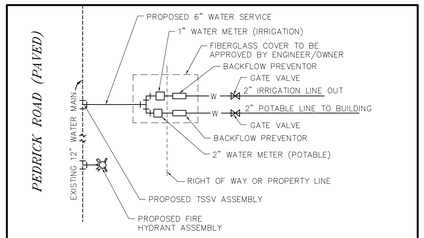
NUMBER OF SERVICE CONNECTION = 1

AVERAGE ESTIMATED NUMBER OF PEOPLE = 160

AVERAGE DAILY WATER DEMAND = 70 GPCD (BRANCH LIBRARY)

TOTAL DAILY WATER DEMAND FOR SERVICE CONNECTION = 11,200 GPD

TOTAL MAXIMUM DAY WATER DEMAND = 16,800 GPD (150% MULTIPLIER)



WATER METER DETAIL

NOTE: CONTRACTOR TO CONTACT CITY OF TALLAHASSEE WATER DEPARTMENT FOR LOCATION AND COORDINATION OF WATER METERS PRIOR TO INSTALLING WATER LINES.

FIRE FLOW CALCULATIONS

CONSTRUCTION FACTOR = $C_i = 18F(A_i)^{0.5}$
$C_i = 18(1.5)(13,200)^{0.5} = 3,102.10$
CONSTRUCTION CLASS1 (FRAME) F=1.5
EFFECTIVE AREA= 13,200 S.F.
EXPOSURE FACTOR (1+(X+P)i)
(1+(X+P)i) = (1+(0.10+0) = 1.10
OCCUPANCY FACTOR (C-3 COMBUSTIBLE) = 1.0
NEEDED FIRE FLOW = (Ci)(Oi)(X+P)i
NFF = 3,102.10 x 1.0 x 1.10 = 3,412.31
NFF = 3,412.31 ROUND NEAREST 500 GPM = 3,500 GPM

F = CONSTRUCTION CLASS COEFFICIENT	F =	1.50
Ai = EFFECTIVE AREA IN S.F.	Ai =	13,200
Ci = CONSTRUCTION FACTOR	Ci =	3,102.10
Xi = EXPOSURE FACTOR	Xi =	1.10
Pi = COMMUNICATION FACTOR	Pi =	0.00
Oi = OCCUPANCY FACTOR	Oi =	1.00

NOTE:
REQUIRED FIREFLOW PROVIDED BY TWO HYDRANTS: ONE EXISTING AND ONE PROPOSED. BOTH ARE AT 2,000 GPM = 4,000 GPM.

UTILITY NOTES:

1. MINIMUM GROUND COVER OVER WATER MAINS TO BE 36" MINIMUM GROUND COVER OVER SANITARY SEWER TO BE 36" MINIMUM GROUND COVER OVER GAS LINES TO BE 36"
2. WATER AND SEWER LINES SHALL MAINTAIN A HORIZONTAL SEPARATION OF 10', OR A VERTICAL OF 18". WHEN THIS IS NOT POSSIBLE CONCRETE ENCASEMENT OF PIPE FOR A DISTANCE OF 10' EACH SIDE OF THE SEWER MAIN SHALL BE USED. IN LIEU OF THE CONCRETE ENCASEMENT, DUCTILE IRON PIPE MAY BE MAINTAINED WITH ALL OTHER UTILITIES.
3. WHERE REQUIRED, WATER MAINS MAY BE DEFLECTED TO PROVIDE 12" MIN. HORIZONTAL CLEARANCE BETWEEN MAIN, STORM STRUCTURE, AND DRAIN.
4. NOTIFY THE OWNER AND THE ENGINEERS 72 HOURS PRIOR TO MAKING ALL CONNECTIONS TO EXISTING WATER MAINS.
5. BACTERIOLOGICAL SAMPLING PERFORMED BY THE CONTRACTOR.
6. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION IN CASE OF CONFLICTS OF NEW CONSTRUCTION WITH EXISTING UTILITIES, CONTRACTOR SHALL NOTIFY ENGINEER TO RESOLVE SUCH CONFLICTS PRIOR TO CONTINUING CONSTRUCTION.
7. SEALED MANHOLE COVER TO BE USED FOR MANHOLES IN PAVED ROAD SUFACE COLD TAR EPOXY TO BE APPLIED INSIDE AND OUTSIDE OF CONCRETE MANHOLES. MANHOLES IN NON-PAVED AREAS SUSCEPTABLE TO WATER INFLOW SHALL HAVE A SEALED MANHOLE COVER AND BE ELEVATED 6"-12" ABOVE SURROUNDING SURFACE.
8. LIGHTING SHALL BE DIRECTED TO NOT SHINE ON OFF-SITE RESIDENTIAL PROPERTIES. THE LIGHTING PLAN SHALL CLEARLY IDENTIFY THAT THE PROPOSED LIGHT FIXTURES ARE DESIGNED WITH RECESSED BULBS AND/OR FILTERS. THE HEIGHT OF LIGHT FIXTURES IN THE PARKING AREA SHOULD NOT EXCEED 18 FEET FROM GRADE.

FIRE DEPARTMENT NOTES:

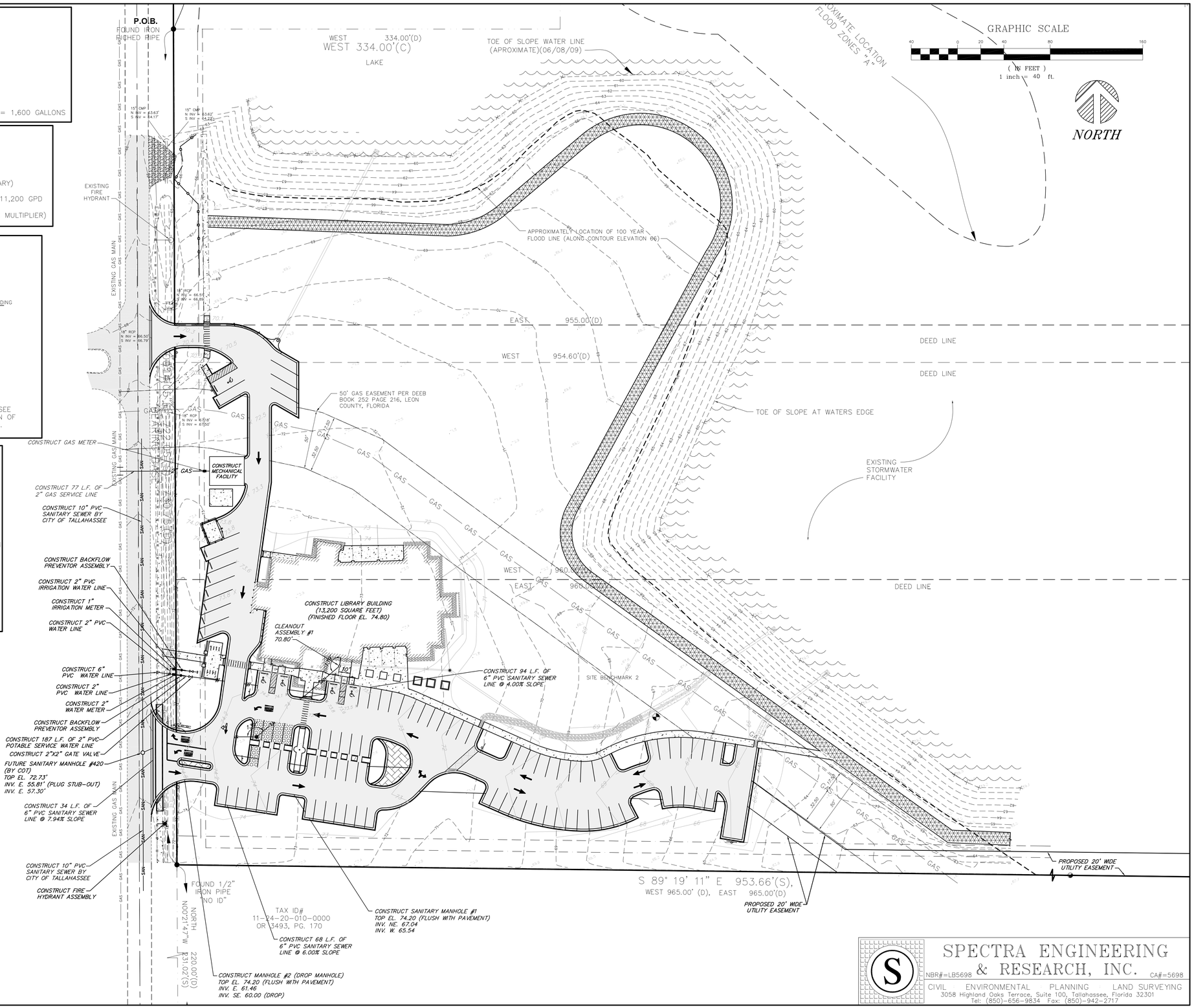
DEPTH OF FIRE MAIN PIPING (TO TOP OF PIPE):

36" MINIMUM UNDER DRIVING SURFACES
30" MINIMUM UNDER NON-DRIVING SURFACES

FIRE MAIN PIPING SHALL NOT BE COVERED UNTIL INSPECTED BY THE TALLAHASSEE FIRE DEPARTMENT.

FIRE HYDRANTS SHALL BE A MINIMUM OF 18" ABOVE GRADE MEASURED TO THE STEAMER NOZZLE.

STEAMER NOZZLE TO FACE ROADWAY OR NEAREST POINT OF FIRE DEPARTMENT APPARATUS ACCESSIBILITY WHEN PLACED IN SERVICE.



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Author	ASD	JOHNSON	05/28/09
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T.W.	100% CD	PCO	01/15/10
T.W.	BID DOC	PCO	03/24/10

REVISIONS

#	DATE	COMMENTS
1	1-4-10	11-18-09 DRC COMMENTS
1	3-29-10	GROWTH MANAGEMENT
2	4-13-10	CITY UTILITIES DEPARTMENT COMMENTS

LEON COUNTY BRANCH LIBRARY - EASTSIDE LIBRARY

BID DOCUMENT

UTILITIES PLAN

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PETER C. OKONKWO, P.E. DATED
FLA. REGISTRATION NO. 51459

C5.0-R

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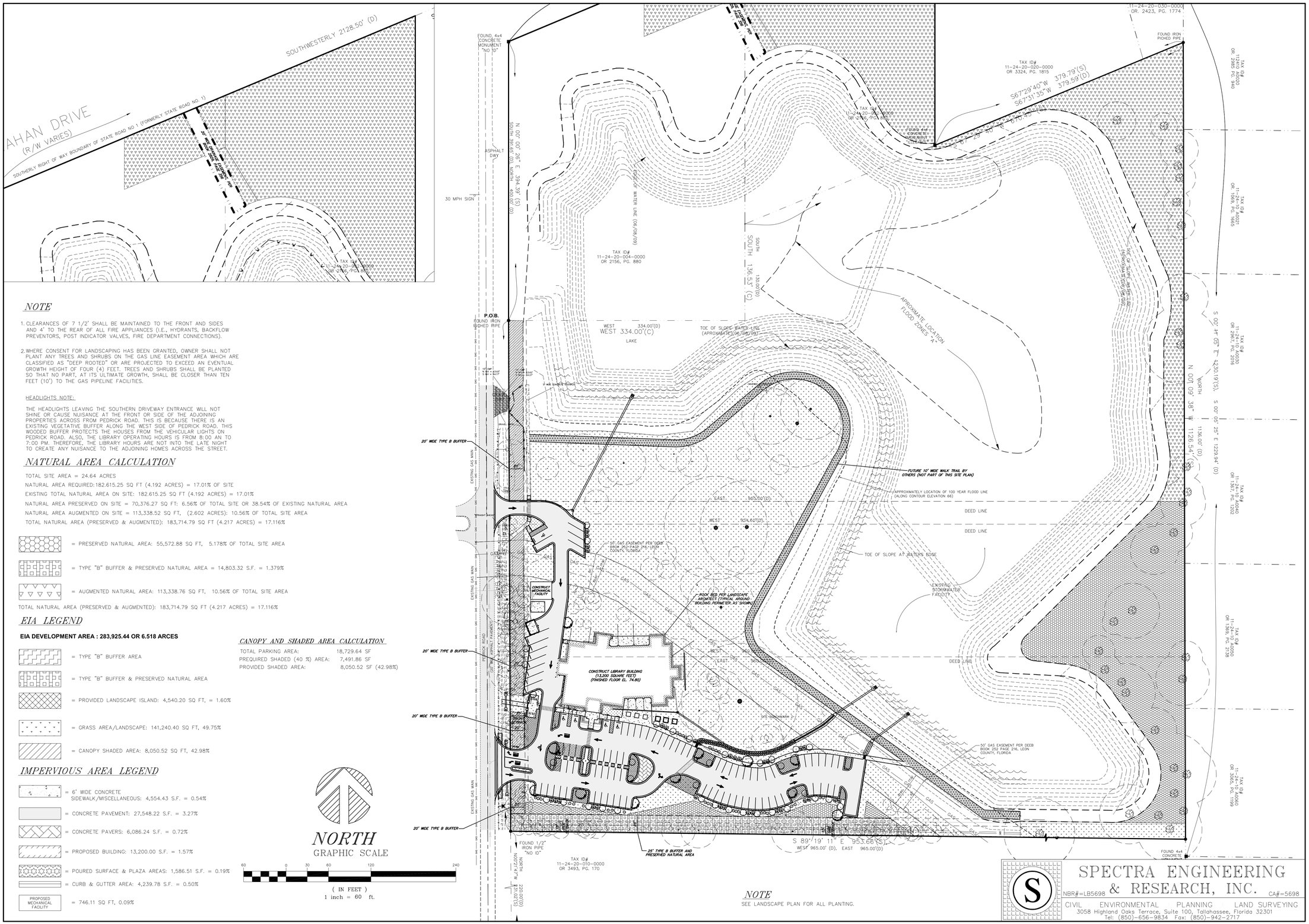

NOTE

1. CLEARANCES OF 7 1/2' SHALL BE MAINTAINED TO THE FRONT AND SIDES AND 4' TO THE REAR OF ALL FIRE APPLIANCES (I.E., HYDRANTS, BACKFLOW PREVENTORS, POST INDICATOR VALVES, FIRE DEPARTMENT CONNECTIONS).
2. WHERE CONSENT FOR LANDSCAPING HAS BEEN GRANTED, OWNER SHALL NOT PLANT ANY TREES AND SHRUBS ON THE GAS LINE EASEMENT AREA WHICH ARE CLASSIFIED AS "DEEP ROOTED" OR ARE PROJECTED TO EXCEED AN EVENTUAL GROWTH HEIGHT OF FOUR (4) FEET. TREES AND SHRUBS SHALL BE PLANTED SO THAT NO PART, AT ITS ULTIMATE GROWTH, SHALL BE CLOSER THAN TEN FEET (10') TO THE GAS PIPELINE FACILITIES.

HEADLIGHTS NOTE:

THE HEADLIGHTS LEAVING THE SOUTHERN DRIVEWAY ENTRANCE WILL NOT SHINE OR CAUSE NUISANCE AT THE FRONT OR SIDE OF THE ADJOINING PROPERTIES ACROSS FROM PEDRICK ROAD. THIS IS BECAUSE THERE IS AN EXISTING VEGETATIVE BUFFER ALONG THE WEST SIDE OF PEDRICK ROAD. THIS WOODED BUFFER PROTECTS THE HOUSES FROM THE VEHICULAR LIGHTS ON PEDRICK ROAD. ALSO, THE LIBRARY OPERATING HOURS IS FROM 8:00 AN TO 7:00 PM. THEREFORE, THE LIBRARY HOURS ARE NOT INTO THE LATE NIGHT TO CREATE ANY NUISANCE TO THE ADJOINING HOMES ACROSS THE STREET.

NATURAL AREA CALCULATION

TOTAL SITE AREA = 24.64 ACRES
NATURAL AREA REQUIRED:182,615.25 SQ FT (4.192 ACRES) = 17.01% OF SITE
EXISTING TOTAL NATURAL AREA ON SITE: 182,615.25 SQ FT (4.192 ACRES) = 17.01%
NATURAL AREA PRESERVED ON SITE = 70,376.27 SQ FT: 6.56% OF TOTAL SITE OR 38.54% OF EXISTING NATURAL AREA
NATURAL AREA AUGMENTED ON SITE = 113,338.52 SQ FT, (2.602 ACRES): 10.56% OF TOTAL SITE AREA
TOTAL NATURAL AREA (PRESERVED & AUGMENTED): 183,714.79 SQ FT (4.217 ACRES) = 17.116%

= PRESERVED NATURAL AREA: 55,572.88 SQ FT, 5.178% OF TOTAL SITE AREA

= TYPE "B" BUFFER & PRESERVED NATURAL AREA = 14,803.32 S.F. = 1.379%

= AUGMENTED NATURAL AREA: 113,338.76 SQ FT, 10.56% OF TOTAL SITE AREA

TOTAL NATURAL AREA (PRESERVED & AUGMENTED): 183,714.79 SQ FT (4.217 ACRES) = 17.116%

EIA LEGEND

EIA DEVELOPMENT AREA : 283,925.44 OR 6.518 ARCES

= TYPE "B" BUFFER AREA

= TYPE "B" BUFFER & PRESERVED NATURAL AREA

= PROVIDED LANDSCAPE ISLAND: 4,540.20 SQ FT, = 1.60%

= GRASS AREA/LANDSCAPE: 141,240.40 SQ FT, 49.75%

= CANOPY SHADED AREA: 8,050.52 SQ FT, 42.98%

CANOPY AND SHADED AREA CALCULATION

TOTAL PARKING AREA:	18,729.64 SF
PREQUIRED SHADED (40 %) AREA:	7,491.86 SF
PROVIDED SHADED AREA:	8,050.52 SF (42.98%)

IMPERVIOUS AREA LEGEND

= 6' WIDE CONCRETE SIDEWALK/MISCELLANEOUS: 4,554.43 S.F. = 0.54%

= CONCRETE PAVEMENT: 27,548.22 S.F. = 3.27%

= CONCRETE PAVERS: 6,086.24 S.F. = 0.72%

= PROPOSED BUILDING: 13,200.00 S.F. = 1.57%

= POURED SURFACE & PLAZA AREAS: 1,586.51 S.F. = 0.19%

= CURB & GUTTER AREA: 4,239.78 S.F. = 0.50%

PROPOSED MECHANICAL FACILITY = 746.11 SQ FT, 0.09%

NORTH
GRAPHIC SCALE

60 0 30 60 120 240

(IN FEET)
1 inch = 60 ft.

NOTE

SEE LANDSCAPE PLAN FOR ALL PLANTING.

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REVISIONS

#	DATE	COMMENTS
1	12-17-09	GROWTH MANAGEMENT
2	1-4-10	11-18-09 DRC COMMENTS
3	12-21-09	GROWTH MANAGEMENT
4	01-26-10	GROWTH MANAGEMENT
5	01-27-10	GROWTH MANAGEMENT

LEON COUNTY BRANCH LIBRARY – EASTSIDE LIBRARY

BID DOCUMENT

ENVIRONMENTAL LAYOUT

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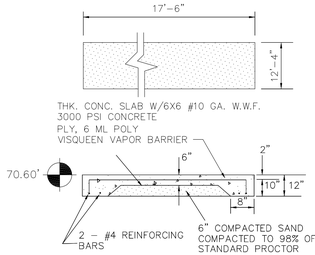
PETER C. OKONKWO, P.E. DATED
FLA. REGISTRATION NO. 51459

C6.0-R

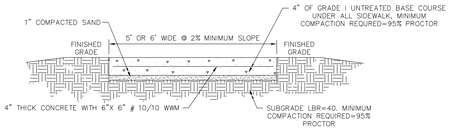


SECTION A-A

CONCRETE DUMPSTER PAD DETAIL

N.T.S.

(THIS DETAIL SHOULD BE COOR. WITH ARCH SHEET A0.0)

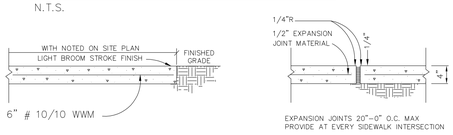


NOTES:

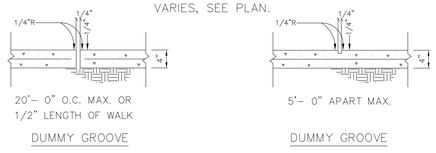
1. EDGE SIDEWALK WITH 3/8" RADIUS EDGING TOOL. ROUND EDGES AT EXPANSION JOINTS TO A RADIUS OF 3/8".
2. USE FINE HAIR BROOM TO FINISH WALKS ON GRADES UNDER 6% OVER 6% USE ROUGH HAIR BROOM.
3. CONCRETE SHALL BE A MINIMUM OF 3000 PSI.

TYPICAL SIDEWALK DETAIL

N.T.S.



WALK SECTION NOTES: WALK SLOPE VARIES, SEE PLAN. EXPANSION JOINT



SIDEWALK DETAIL

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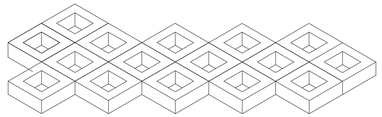
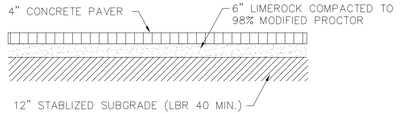
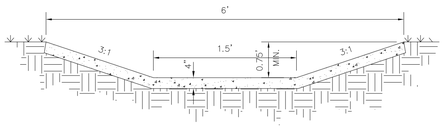


Concrete Pavers (NTS)
Center of pavers to be filled with fins grade soil/sand



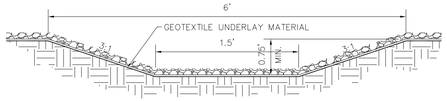
TYPICAL CONCRETE "PAVERS SECTION

SCALE: NTS



CONCRETE SWALE DETAIL-SECTION B-B

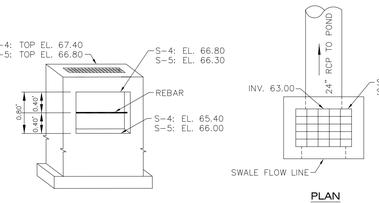
SCALE: (N.T.S.)



STONE SWALE DETAIL-SECTION A-A

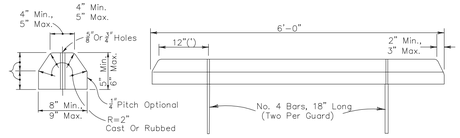
SCALE: (N.T.S.)

(WITH GEOTEXTILE UNDERLAY) (SEE LANDSCAPE PLAN FOR DETAIL)



PLAN

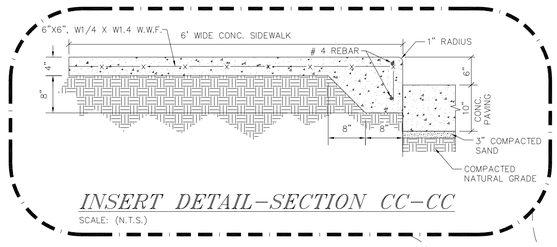
TYPE E INLET DETAIL FOR STRUCTURES S-4 & S-5, SHEETS C4.0 & C4.1



CONCRETE BUMPER GUARD

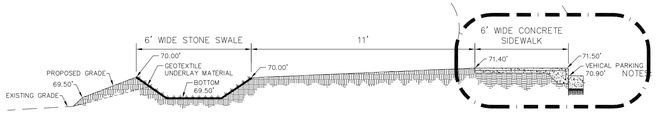
N.T.S.

(SEE FDOT INDEX 300, CURRENT EDITION)



INSERT DETAIL-SECTION CC-CC

SCALE: (N.T.S.)

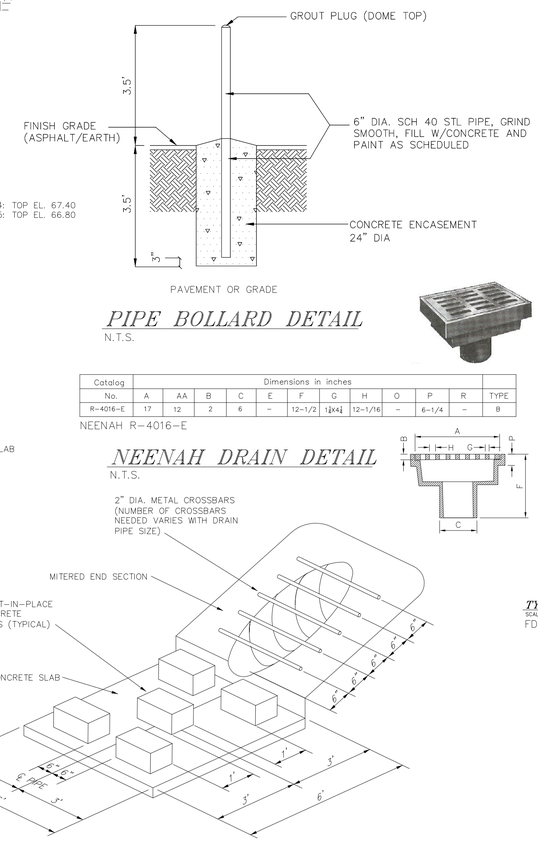


SECTION C-C

SCALE: (N.T.S.)

INSERT CC-CC ABOVE

N.T.S.



PIPE BOLLARD DETAIL

N.T.S.

Catalog No.	Dimensions in inches											
	A	AA	B	C	E	F	G	H	O	P	R	TYPE
R-4016-E	17	12	2	6	–	12-1/2	1¾x4¾	12-1/16	–	6-1/4	–	B

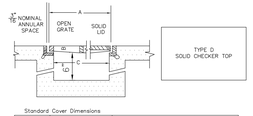
NEENAH R-4016-E

NEENAH DRAIN DETAIL

N.T.S.

MITERED END SECTION WITH ENERGY DISSIPATOR

NOT TO SCALE

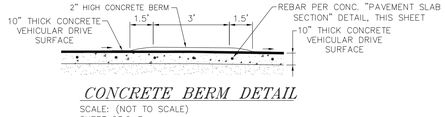


Catalog No.	Dimensions in inches				Weight per lineal foot (without frame)				
	A	B	C		Type A	Type D	Type I	Type P	Frame
R-4991-JX	29	1.5	27		71	79	74	–	12

NEENAH R-4991 JX
TRENCH FRAMES WITH GRATED OR SOLID COVERS

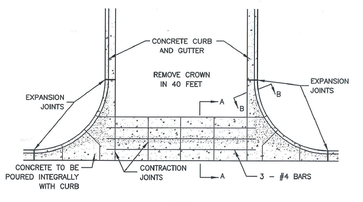
NOT TO SCALE

TRENCH DRAIN DETAIL/NOTES

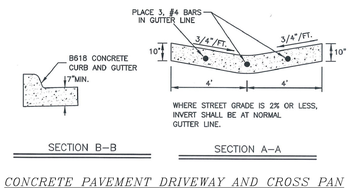


CONCRETE BERM DETAIL

SCALE: (NOT TO SCALE)
SHEET C3.0-R



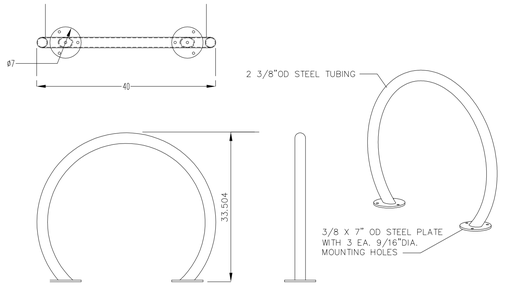
PLAN

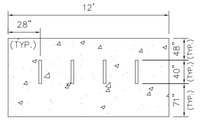


SECTION B-B SECTION A-A

CONCRETE PAVEMENT DRIVEWAY AND CROSS PAN

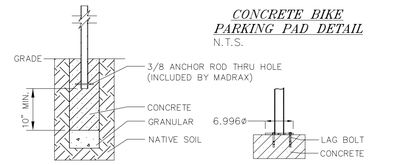
N.T.S.





CONCRETE BIKE PARKING PAD DETAIL

N.T.S.



1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. CONSULTANT TO SELECT COLOR(FINISH), SEE MANUFACTURER'S SPECIFICATIONS.
3. SEE SITE PLAN FOR LOCATION OR CONSULT OWNER.

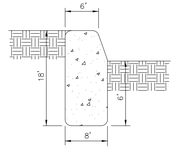
BICYCLE PARKING RAKE DETAIL

PRODUCT: ORN-2-IG(SF)
DESCRIPTION: ORION BIKE RACK 2 3/8"OD TUBING
2 BIKE, SURFACE OR IN GROUND MOUNT

MADRAX
A DIVISION OF TRILARY, INC.
1080 UNIEK DRIVE
WAUNAKEE, WI 53597
P(800) 448-7931, P(608) 849-1080
F(608) 849-1081
WWW.MADRAX.COM

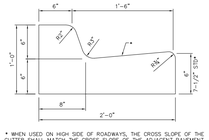
TYPE "E" CURB DETAIL

SCALE: N.T.S.
FDOT INDEX 300, 2009 EDITION



TYPICAL HEADER CURB

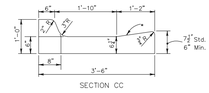
SCALE: NTS
FDOT INDEX 300



* WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS.

TYPICAL TYPE "F" CURB & GUTTER DETAIL

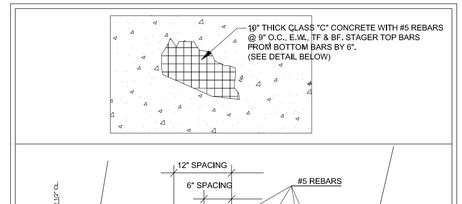
SCALE: NOT TO SCALE
FDOT INDEX 300

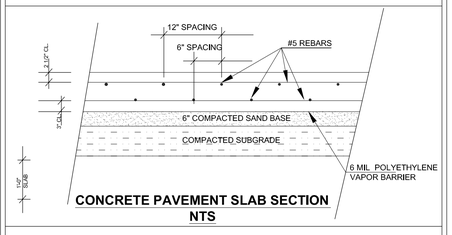


SECTION CC

VALLEY GUTTER

N.T.S.
FDOT INDEX 300





CONCRETE PAVEMENT SLAB SECTION
NTS

EARTHWORK
1. CONCRETE SHALL BE PLACES AS SOON AS PRACTICAL AFTER SOIL PREPARATION AND COMPACTION SO AS NOT TO ALLOW THE ELEMENTS OR CONSTRUCTION ACTIVITY TO DISTURB THE PREPARED AREA.
2. UNDER NO CIRCUMSTANCES WILL DIGGING, TUNNELING OR TRENCHING BE ALLOWED AT OR NEAR ANY CONCRETE STRUCTURE WHICH MIGHT ACT TO UNDERMINE THE STRUCTURE.

CONCRETE
1. ALL CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH SPECIFICATION ACI RECOMMENDATIONS
2. ALL CONCRETE SHALL BE DESIGNED TO SECURE A STRENGTH OF 4000 PSI AT 28 DAYS IN SLABS
3. ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A-615 GRADE 60 (Fy=60KSI)
4. ALL CONCRETE SHALL BE CONSOLIDATED BY USE OF A MECHANICAL VIBRATOR OTHER MEANS APPROVED BY THE ENGINEER.
5. ALL CONCRETE REINFORCEMENT SHALL BE DETAILED, FABRICATED, LABELED, SUPPORTED AND SPACED IN FORMS AND SECURED IN PLACE IN ACCORDANCE WITH THE PROCEDURES AND REQUIREMENTS OUTLINES IN THE LATEST EDITION OF THE "BUILDING CODE REQUIREMENT FOR REINFORCES CONRET," ACI 318-02 AND THE "MANUALS OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES," ACI 315 LATEST EDITION.
6. ALL BARS SPLICES AND DOWELS SHALL LAP 30 BAR DIAMETERS (MIN.) UNLESS REQUIRED OTHERWISE BY CODE
7. ALL HORIZONTAL BARS IN FOOTINGS AND WALLS SHALL BE LAPPED AT CORNER.
8. PROVIDE ALL JOINTS (EXPANSION, CONSTRUCTION, TRANSVERSE, ETC) SHALL BE IN ACCORDANCE WITH FDOT INDEX NO. 305, DESIGN STANDARDS, 2008 EDITION.

CONCRETE PAVEMENT SECTION

SPECTRA ENGINEERING & RESEARCH, INC.
NBR#=LB5698 CA#=5698
CIVIL ENVIRONMENTAL PLANNING LAND SURVEYING
3058 Highland Oaks Terrace, Suite 100, Tallahassee, Florida 32301
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JPA PROJECT #0614.001
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T.W.	100% CD	PCO	01/15/10
T.W.	BID DOC	PCO	03/24/10

REVISIONS

#	DATE	COMMENTS
1	3-29-10	GROWTH MANAGEMENT
2	4-07-10	GROWTH MANAGEMENT 4.6.10 COMMENTS

LEON COUNTY BRANCH LIBRARY - EASTSIDE LIBRARY

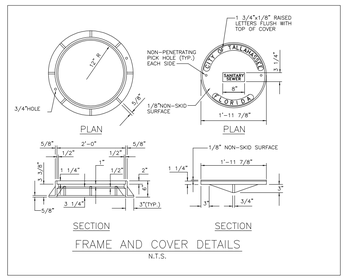
BID DOCUMENT

MISCELLANEOUS DETAILS

THIS PLAN IS NOT VALID FOR CONSTRUCTION UNLESS SIGNED AND SEALED BY THE ENGINEER OF RECORD.

PETER C. OKONKWO, P.E. DATED
FLA. REGISTRATION NO. 51459

C7.0-R

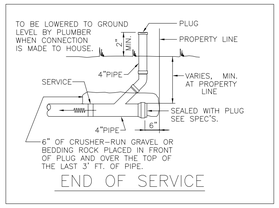


FRAME AND COVER DETAILS

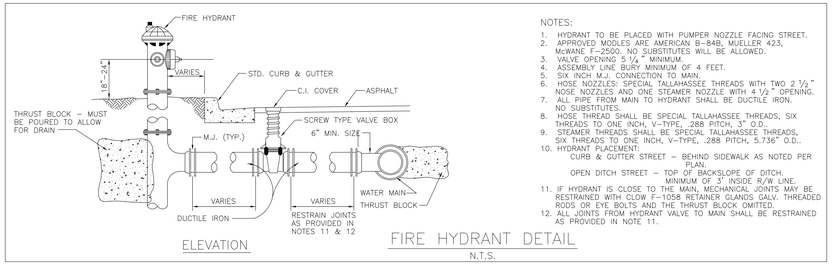
N.T.S.

GENERAL NOTES:

1. PRECAST MANHOLE SECTIONS AND GRADE RINGS SHALL BE MANUFACTURED IN ACCORDANCE WITH THE LATEST EDITION OF ASTM SPECIFICATIONS C-478 AND C-76 WITH 4000 P.S.I. CONCRETE, TYPE II CEMENT. STANDARD WALL THICKNESS SHALL BE 5" WITH A SINGLE LAYER OF 6 X 6, 4/4 WELDED WIRE FABRIC (0.192" WIRE DIA.) FOR ALL MANHOLES.
2. CONCRETE TOP SLABS, WHERE REQUIRED, SHALL BE CAPABLE OF SUPPORTING THE OVERBURDEN PLUS A LIVE LOAD EQUIVALENT TO AASHTO H-20 LOADING.
3. PRE-MOULDED POLYURETHANE COMPRESSION JOINTS ON ALL INFLUENT AND EFFLUENT ADAPTERS MEET OR EXCEED ASTM. SPECIFICATIONS C-425.
4. ALIGN TOP OPENING WITH CENTER LINE OF EFFLUENT LINE FROM MANHOLE.
5. ALIGN STEPS VERTICALLY OVER CENTER LINE OF EFFLUENT LINE FROM MANHOLE.
6. SEE SPECIFICATION FOR COMPACTION REQUIREMENTS OF TYPE "D" BACKFILL.
7. MANHOLE STEPS SHALL BE DRIVEN INTO PRECAST 3 ⅝ " DEEP, TAPERED HOLE, 16" ON CENTER VERTICALLY.
8. MANHOLE "LIFT HOLES" SHALL BE A MAXIMUM OF 3 ½ " DEEP.



END OF SERVICE



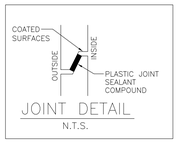
ELEVATION

FIRE HYDRANT DETAIL

N.T.S.

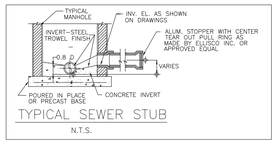
NOTES:

1. HYDRANT TO BE PLACED WITH PUMPER NOZZLE FACING STREET.
2. APPROVED MODELS ARE AMERICAN B-848, MUELLER 423, McWANE F-2500. NO SUBSTITUTES WILL BE ALLOWED.
3. VALVE OPENING 5 ¼ " MINIMUM.
4. ASSEMBLY LINE BURY MINIMUM OF 4 FEET.
5. SIX INCH M.J. CONNECTION TO MAIN.
6. HOSE NOZZLES: SPECIAL TALLAHASSEE THREADS WITH TWO 2 ½ " NOSE NOZZLES AND ONE STEAMER NOZZLE WITH 4 ½ " OPENING.
7. ALL PIPE FROM MAIN TO HYDRANT SHALL BE DUCTILE IRON. NO SUBSTITUTES.
8. HOSE THREAD SHALL BE SPECIAL TALLAHASSEE THREADS, SIX THREADS TO ONE INCH, V-TYPE, .288 PITCH, 5" O.D.
9. STEAMER THREADS SHALL BE SPECIAL TALLAHASSEE THREADS, SIX THREADS TO ONE INCH, V-TYPE, .288 PITCH, 5.736" O.D..
10. HYDRANT PLACEMENT:
    CURB & GUTTER STREET - BEHIND SIDEWALK AS NOTED PER PLAN.
    OPEN DITCH STREET - TOP OF BACKSLOPE OF DITCH, MINIMUM OF 3' INSIDE R/W LINE.
11. IF HYDRANT IS CLOSE TO THE MAIN, MECHANICAL JOINTS MAY BE RESTRAINED WITH CLOW F-1058 RETAINER GLANDS GALV. THREADED RODS OR EYE BOLTS AND THE THRUST BLOCK OMITTED.
12. ALL JOINTS FROM HYDRANT VALVE TO MAIN SHALL BE RESTRAINED AS PROVIDED IN NOTE 11.



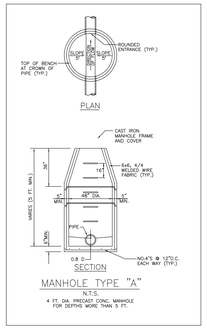
JOINT DETAIL

N.T.S.



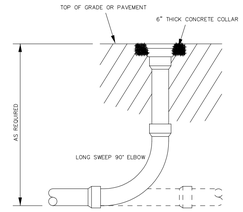
TYPICAL SEWER STUB

N.T.S.



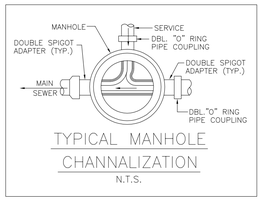
MANHOLE TYPE "A"

N.T.S.



SANITARY SEWER CLEAN-OUT

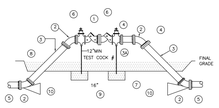
NOTE: CONCRETE COLLAR TO BE USED IN PAVED AREAS ONLY



TYPICAL MANHOLE CHANNALIZATION

N.T.S.

DOUBLE CHECK ASSEMBLY (DC) SINGLE SERVICE 6",8"

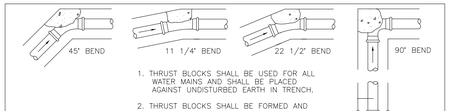


MATERIALS

ITEM	QUANT	DESCRIPTION
1	1	6",8" DOUBLE CHECK VALVE
2	4	6",8" BEND - 45
3	2	6",8" ADAPTER,C.I.,(72"LONG)
3A	1	6",8" ADAPTER,C.I.,(24"LONG) OPTIONAL
4	3	6",8" ADAPTER,FLANGE,D.I.P.
5	2	6",8" ADAPTER,FLANGE,P.V.C.
6	2	6",8" GATE VALVE,C.I.,RESILIENT SEAT
7	1 or2	2" IRON PIPE/CONCRETE FOUNDATION
8	*	PEA GRAVEL
9	*	PLASTIC LINER
10	2	REACTION BLOCK

NOTE: Find adjust and cut item 3 to the proper length. Do not interchange items 4&5

The device shall be installed within 5 feet of the water meter on the main line out of the meter box



1. THRUST BLOCKS SHALL BE USED FOR ALL WATER MAINS AND SHALL BE PLACED AGAINST UNDISTURBED EARTH IN TRENCH.
2. THRUST BLOCKS SHALL BE FORMED AND POURED IN SUCH A MANNER TO AVOID COVERING OR PROHIBITING ACCESS TO PIPE JOINTS.
3. MINIMUM OF 2500 P.S.I. CONCRETE WILL BE USED.

PLAN

REQUIRED THRUST BLOCK AREAS*

BEARING AREA TABLE (SQUARE FEET)

PIPE SIZE	TEE or PLUG	90° BEND	45° BEND	22 ½° BEND	11 ¼° BEND
4"	1.0	1.5	1.0	1.0	1.0
6"	2.5	3.0	2.0	1.0	1.0
8"	4.0	5.5	3.0	2.0	1.0
10"	6.0	8.0	4.5	3.0	1.5
12"	8.5	11.5	6.5	4.0	2.0
14"	11.0	16.0	9.0	5.0	2.5
16"	15.0	20.0	11.0	6.0	3.0
18"	17.0	24.0	13.0	7.0	3.5
20"	22.0	31.0	17.0	8.0	4.0
24"	31.0	44.0	24.0	12.0	6.0

*BASED ON 150 P.S.I. TEST PRESSURE

THE FIGURES IN THIS TABLE ARE BASED ON 2,500 POUNDS PER SQUARE FOOT SOIL BEARING AGAINST UNDISTURBED TRENCH WALL AND ARE TO REPRESENT THE MINIMUM VERTICAL PROJECTED AREA OF THE REACTION BLOCK IN A PLANE PERPENDICULAR TO A LINE BISECTING THE INCLUDED ANGLE OF THE FITTING.

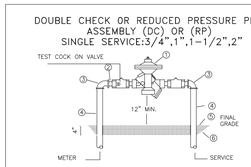
REACTION BLOCKING AS SPECIFIED IN THIS CHART SHALL BE AT ALL THRUST POINTS UNLESS OTHERWISE SPECIFIED IN THE PLANS. RESTRAINED JOINTS MAY BE USED IN LIEU OF THRUST BLOCKING IF IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND SHALL BE USED WHEN CALLED FOR BY THE PLANS.

ALL REACTION BLOCKING AND RESTRAINED JOINTING MUST BE LEFT OPEN UNTIL INSPECTED BY THE CITY INSPECTOR.

THRUST BLOCK DETAILS

N.T.S.

DOUBLE CHECK OR REDUCED PRESSURE PRINCIPLE ASSEMBLY (DC) OR (RP) SINGLE SERVICE:3/4",1",1-1/2",2"



MATERIALS

ITEM	QUANT	DESCRIPTION
1	1	2" BACKFLOW PREVENTION ASSEMBLY
2	2	2"XNOM. NIPPLES-BRASS OR GALVANIZED
3	2	2"x 90 ELBOWS-GALVANIZED OR COPPER
4	2	2"XVARIES WIDER-GALVANIZED OR TYPE L HARD COPPER
5	2	PEA GRAVEL
6	*	PLASTIC LINER

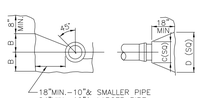
NOTE: Installation shown above is for a 6" service. Change pipe materials accordingly for service size.

The device shall be installed within 5 feet of the water meter on the main line out of the meter box.

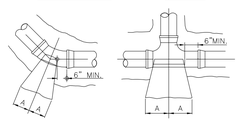
ADJUSTMENT RING DETAIL

N.T.S.

NOTE:
MAXIMUM NUMBER IS THREE (TOTAL=18")



BEND TEES



PLAN BENDS

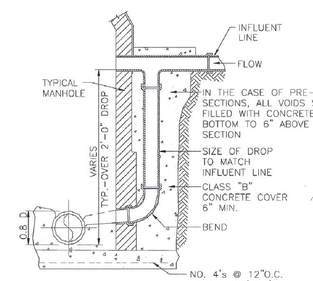
PLAN TEES

PLUGS

THRUST BLOCK DETAILS

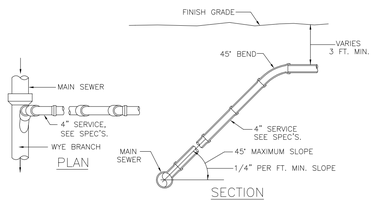
N.T.S.

SOIL	SIZE	1/4 BEND A	1/4 BEND B	1/8 BEND A	1/8 BEND B	1/16,1/32 BENDS A	1/16,1/32 BENDS B	TEE A	TEE B	TEE C	PLUG D
2000 PSF	4"	16"	10"	9"	10"	6"	8"	10"	12"	10"	21"



TYPICAL CONNECTION FOR DROP MANHOLE

N.T.S.

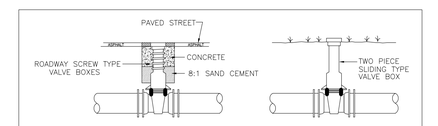


TYPICAL SERVICE CONNECTION

N.T.S.

GENERAL NOTES: (FOR CONTRACTOR)

1. FOR ALL WATER METERS 3" AND LARGER, CONTRACTOR/DEVELOPER IS REQUIRED TO BUILD A VAULT PER CITY OF TALLAHASSEE SPECIFICATIONS.
2. WATER MAIN SHALL BE CONSTRUCTUED ON NORTH OR EAST OF STREET CENTERLINE UNLESS APPROVED OTHERWISE.
3. WATER SERVICE SHALL BE LOCATED AT THE CENTER OF THE FRONT LOT LINE, MINIMUM OF 10' BETWEEN SANITARY SEWER AND WATER SERVICES.
4. MATERIALS APPROVED FOR WATER MIAN CONSTRUCTION INCLUDE:
   A. 4" P.V.C. (AWWA C900) CLASS 200 OR D.I.P. 200 P.S.I.
   B. 6" - 10" P.V.C. (U.L. APPROVED, AWWA C900) CLASS 150
      DUCTILE IRON (AWWA C151) CLASS 50
   C. 12" - 16" DUCTILE IRON (AWWA C151) CLASS 50
5. INSTALLATION SHALL BE IN ACCORDANCE WITH AWWA C-600 (CAST IRON), AND THE MANUFACTURER'S RECOMMENDED INSTALLATION PRACTICE.
6. ALL WATER LINES SHALL BE PRESSURE TESTED AND DISINFECTED IN ACCORDANCE WITH AWWA C-601-81 UNDER THE SUPERVISION OF CITY INSPECTORS.
7. ALL TAPS SHALL BE MADE WITH THE SYSTEM UNDER LINE PRESSURE AND TESTED TO 150 P.S.I..
8. ALL TAPS ON P.V.C. SHALL BE MADE WITH APPROVED TAPPING SADDLES OR TAPPING SLEEVES AND VAVLES. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR TAPS.
9. ON CONSTRUCTION INVOLVING NON-METALLIC PIPE, 14 GUAGE, THHN INSULATED, SOLID COPPER WIRE SHALL BE LAID IN THE PIPE TRENCH, WIRE SHALL BE CONTINUOUS FROM VALVE BOX TO VALVE BOX, WRAPPED TWO TIMES AROUND EACH JOINT OF PIPE AND EXTENDED INSIDE EACH VALVE BOX TO ENABLE LOCATION DEVICES TO BE ATTACHED WITHOUT DIGGING UP THE VAVLE BOX. ALL SERVICE LATERALS TO HAVE WIRE CONNECTED TO THE MAIN WIRE AND WRAPPED AROUND THE SERVICE PIPING OF TUBING. ALL WIRE CONNECTIONS SHALL BE MADE WITH COMMERCIAL CONNECTORS AND SEALED AGAINST MOISTURE WITH SCOTCH E-Z SEAL NO. 2200 ELECTRICAL INSULATING PAD WITH VINYL BACKING.
10. "AS BUILT PLANS" WILL BE DELIVERD TO SYSTEMS PLANNING DIVISION PRIOR TO JOB ACCEPTANCE. THIS SHALL INDICATE LOCATIONS OF ALL SERVICES WITH RESPECT TO LOT CORNERS, LOCATIONS AND TYPES OF ALL FITTINGS, LOCATIONS OF ALL VALVES AND DEAD END RUNS WITH THREE (3) TIES TO PHYSICAL FEATURES (LOT CORNERS, TREES, ETC.), PIPE AND SERVICE MATERIALS USED, AND METHOD OF MARKING PIPE AND SERVICES (I.E. WIRE AND E.M.S. LOCATORS)
11. CONTRACTOR SHALL COORDINATE WITH CITY WATER SUPERINTENDENT, REGARDING CONNECTION TO EXISTING CITY WATER SYSTEM WITH MINIMUM FO 48 HOURS NOTIFICATION PRIOR TO TIE IN.
12. IN NO CASE SHALL ANY LEAD BE USED IN THE SYSTEM.
13. UPON COMPLETION OF WORK, ALL VALVES TO BE FULLY OPENED UNDER THE SUPERVISION OF CITY INSPECTOR, ANY VALVES LEFT CLOSED WILL BE NOTED ON AS BUILT DRAWING.



IN PAVED AREA W/ADJUSTABLE BOX

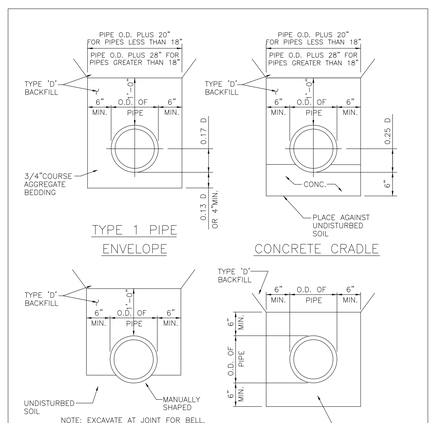
IN UNPAVED AREA

TYPICAL VALVE DETAILS

N.T.S.

NOTES:

1. FOR NEW CONSTRUCTION, CONSTRUCT VALVE WITH TOP 12 INCHES BELOW PROPOSED STREET GRADE. AFTER FINAL PAVING, CUT SMOOTH, CIRCULAR HOLE AROUND VALVE AND ADJUST TO FLUSH WITH FINISH PAVEMENT. BACKFILL WITH 8:1 SAND/CEMENT MIX TO 6" BELOW GRADE; THEN 5 ½ " WITH 2800 P.S.I. CONCRETE; TOP OUT WITH 2 ½ " OF S-1 ASPHALT SURFACE COURSE AND SMOOTH TO MATCH EXISTING FINISH PAVEMENT.
2. FOLLOW SIMILAR PROCEDURE FOR VALVE ADJUSTMENT AFTER CONSTRUCTION IN EXISTING STREET PAVEMENT OF RESURFACING.
3. CONCRETE CRADLE REQUIRED ON 16" AND LARGER VALVES.



PIPE TRENCH DETAILS

N.T.S.

SPECTRA ENGINEERING & RESEARCH, INC.
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CIVIL ENVIRONMENTAL PLANNING LAND SURVEYING
3058 Highland Oaks Terrace, Suite 100, Tallahassee, Florida 32301
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REG# AA001215
JPA PROJECT #0614.001
JPA - PM DOUG SHULER
dshuler@jparchitects.com

DRAWN	PHASE	CHECK	DATE
Author	ASD	I JOHNSON	05/28/09
T.W.	80% CD	PCO	11/25/09
T.W.	100% CD	PCO	01/15/10
T.W.	BID DOC	PCO	03/24/10

REVISIONS

#	DATE	COMMENTS
1	3-29-10	GROWTH MANAGEMENT

LEON COUNTY BRANCH LIBRARY - EASTSIDE LIBRARY

BID DOCUMENT

WATER AND SEWER DETAILS

THIS PLAN IS NOT VALID FOR CONSTRUCTION UNLESS SIGNED AND SEALED BY THE ENGINEER OF RECORD.

PETER C. OKONKWO, P.E. DATED
FLA. REGISTRATION NO. 51459

C8.0-R

DOOR SCHEDULE

Door Schedule

Door Number	Room	Door Type	Elevation Number	Height	Width	Thickness	Door Finish	Glass	Frame	Frame Finish	Hardware	Closer	Comments
100A	Automatic Doors		7	Varies	MFG	MFG	Anodized Med. Bronze	Yes	MFG	Anodized Med. Bronze	MFG		
100B	Automatic Doors		7	Varies	MFG	MFG	Anodized Med. Bronze	Yes	MFG	Anodized Med. Bronze	MFG		
102A	Collections	Hollow Metal	3	7'-0"	3'-0"	1 3/4"	Paint	No	Hollow Metal	Paint	1	Yes	See detail 1&4/A5.3
102B	Collections	Hollow Metal	3	7'-0"	3'-0"	1 3/4"	Paint	No	Hollow Metal	Paint	1	Yes	See detail 1&4/A5.3
103	Women Restroom	Solid Core Wood	1	7'-0"	3'-0"	1 3/4"	Stain	No	Hollow Metal	Paint	6	Yes	See detail 1&4/A5.3
104	Men Restroom	Solid Core Wood	1	7'-0"	3'-0"	1 3/4"	Stain	No	Hollow Metal	Paint	6	Yes	See detail 1&4/A5.3
104A	Janitors Closet	Solid Core Wood	1	7'-0"	3'-0"	1 3/4"	Stain	No	Hollow Metal	Paint	5		
105	IT Room	Solid Core Wood	1	7'-0"	3'-0"	1 3/4"	Stain	No	Hollow Metal	Paint	5	Yes	See detail 1&4/A5.3
106A	Park Restroom	Hollow Metal	3	7'-0"	3'-0"	1 3/4"	Paint	No	Hollow Metal	Paint	2	Yes	
106B	Park Restroom	Hollow Metal	3	7'-0"	3'-0"	1 3/4"	Paint	No	Hollow Metal	Paint	2	Yes	
107A	Meeting Room	Solid Core Wood	2	7'-0"	3'-0"	1 3/4"	Stain	Yes	Hollow Metal	Paint	2	Yes	See detail 1&4/A5.3
107B	Staff Work Area	Solid Core Wood	1	7'-0"	3'-0"	1 3/4"	Stain	No	Hollow Metal	Paint	2	Yes	See detail 1&4/A5.3
107C	Meeting Room	Storefront Entrance	5	7'-0"	MFG	MFG	Anodized Med. Bronze	Yes	Aluminum	Anodized Med. Bronze	4	Yes	
107D	Meeting Room - Kitchen	Solid Core Wood	2A	7'-0"	3'-0"	1 3/4"	Stain	No	Hollow Metal	Paint	5		See detail 1&4/A5.3
108	Chair Storage	Solid Core Wood	2A	7'-0"	3'-0"	1 3/4"	Stain	No	Hollow Metal	Paint	3		See detail 1&4/A5.3
109	Office	Solid Core Wood	1	7'-0"	3'-0"	1 3/4"	Stain	No	Hollow Metal	Paint	2		
111A	Staff Work Area	Solid Core Wood	1	7'-0"	3'-0"	1 3/4"	Stain	No	Hollow Metal	Paint	2	Yes	See detail 1&4/A5.3 - Card Reader
111B	Staff Work Area	Hollow Metal	4	7'-0"	3'-0"	1 3/4"	Paint	No	Hollow Metal	Paint	1	Yes	Card Reader
112	Staff Rest Area	Solid Core Wood	1	7'-0"	3'-0"	1 3/4"	Stain	No	Hollow Metal	Paint	8	Yes	Card Reader
113	Staff/EMS Restroom/Shower	Solid Core Wood	1	7'-0"	3'-0"	1 3/4"	Stain	No	Hollow Metal	Paint	7	Yes	
115	Supply Room	Solid Core Wood	1	7'-0"	3'-0"	1 3/4"	Stain	No	Hollow Metal	Paint	5		
116	Teen Room	All Glass Entrance	6	7'-0"	MFG	MFG	Glass	Yes	MFG	Anodized Med. Bronze	MFG	Yes	
116C	Circulation	Storefront Entrance	5	7'-0"	MFG	MFG	Anodized Med. Bronze	Yes	Aluminum	Anodized Med. Bronze	4	Yes	Card Reader
118A	EMS Station	Hollow Metal	3	7'-0"	3'-0"	1 3/4"	Paint	No	Hollow Metal	Paint	8	Yes	Card Reader
118B	EMS Station	Solid Core Wood	1	7'-0"	3'-0"	1 3/4"	Stain	No	Hollow Metal	Paint	8	Yes	Card Reader
119A	Electrical Room	Solid Core Wood	1	7'-0"	3'-0"	1 3/4"	Stain	No	Hollow Metal	Paint	5		
119B	Storage Room	Solid Core Wood	1	7'-0"	3'-0"	1 3/4"	Stain	No	Hollow Metal	Paint	5		

DOOR HARDWARE SCHEDULE - BASIS OF DESIGN

HARDWARE SET #1 EXTERIOR ENTRANCE HARDWARE FINISH

DOORS 111B, 102A, 102B, SHALL HAVE:

3 HINGES - 5 KNUCKLE BALL BEARING 4 1/2"x 4 1/2"	613
HIGH - DOME FLOOR STOP	613
CONCEALED VERTICAL ROD DEVICE	613
LATCH - NIGHT LATCH (VON DUPRIN 9827NL)	613
CYLINDER - RIM	613
ADA BUMPER THRESHOLD (HAGER 4775)	MIL
EXTRUDED ALUM. DOOR HEAD DRIP EDGE	MIL
DOOR SWEEP W/ INTEGRATED ALUM. DOOR HEAD DRIP EDGE	MIL
KICK DOWN DOOR HOLDER, ONLY ON DOOR 111B	613

HARDWARE SET #2 ENTRANCE HARDWARE FINISH

DOORS 109, 106A, 106B, 107A, 107B, 111A, SHALL HAVE:

3 HINGES - 5 KNUCKLE BALL BEARING 4 1/2"x 4 1/2"	613
CYLINDER 6 PIN	613
HIGH - DOME FLOOR STOP	613
DESIGN - AL-SERIES - JUPITER AL40S (SCHLAGE OR SIM.)	613
LATCH - SQUARE CORNER	613
STRIKE - T-STRIKE	613

HARDWARE SET #3 PASSAGE HARDWARE FINISH

DOORS 108, SHALL HAVE:

3 HINGES - 5 KNUCKLE BALL BEARING 4 1/2"x 4 1/2"	613
HIGH - DOME FLOOR STOP	613
DESIGN - AL-SERIES - JUPITER AL40S (SCHLAGE OR SIM.)	613
LATCH - SQUARE CORNER	613
STRIKE - T-STRIKE	613

HARDWARE SET #4 STOREFRONT FINISH

DOORS 016C, 107C SHALL HAVE:

BASIS OF DESIGN: KAWNEER , STANDARD 190 ENTRANCE HARDWARE	
ALL HARDWARE FINISH	613
PULLS/PANIC - DOR-O-MATIC, FALCON 1990	613

HARDWARE SET #5 STOREROOM HARDWARE FINISH

DOORS 104A, 105, 107D, 115, 119A, 119B, SHALL HAVE:

3 HINGES - 5 KNUCKLE BALL BEARING 4 1/2"x 4 1/2"	613
HIGH - DOME FLOOR STOP	613
DESIGN - AL-SERIES - JUPITER AL40S (SCHLAGE OR SIM.)	613
LATCH - SQUARE CORNER	613
STRIKE - T-STRIKE	613

HARDWARE SET #6 PUSH PULL HARDWARE FINISH

DOORS 103, 104, SHALL HAVE:

4" x 16" PUSH PLATE	613
2 1/4" x 8 3/4" x 3/4" DOOR PULL	613
HIGH - DOME FLOOR STOP	613
KICK DOWN DOOR HOLDER	613
3 HINGES - 5 KNUCKLE BALL BEARING 4 1/2"x 4 1/2"	613

HARDWARE SET #7 RESTROOM HARDWARE FINISH

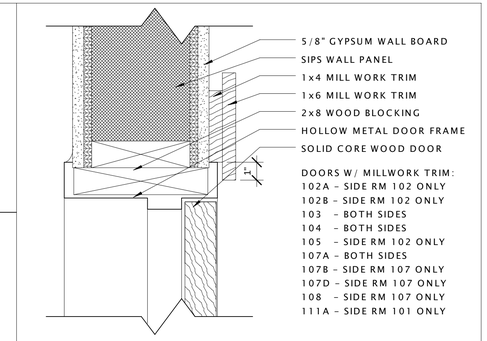
DOORS 113, SHALL HAVE:

3 HINGES - 5 KNUCKLE BALL BEARING 4 1/2"x 4 1/2"	613
HIGH - DOME FLOOR STOP	613
DESIGN - AL-SERIES - JUPITER AL40S (SCHLAGE OR SIM.)	613
LATCH - SQUARE CORNER	613

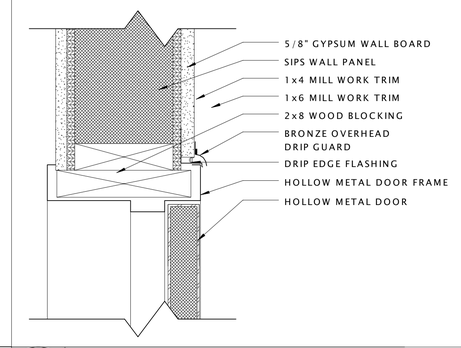
HARDWARE SET #8 ENTRANCE HARDWARE FINISH

DOORS 112, 118B, SHALL HAVE:

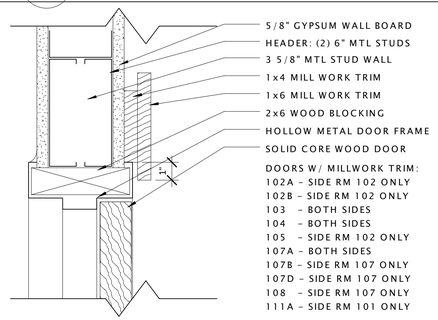
3 HINGES - 5 KNUCKLE BALL BEARING 4 1/2"x 4 1/2"	613
CYLINDER 6 PIN	613
HIGH - DOME FLOOR STOP	613
DESIGN - AL-SERIES - JUPITER AL40S (SCHLAGE OR SIM.)	613
LATCH - SQUARE CORNER	613
STRIKE - T-STRIKE	613
DESIGN - B-SERIES - B660 DEADLOCK (SCHLAGE OR SIM.)	613



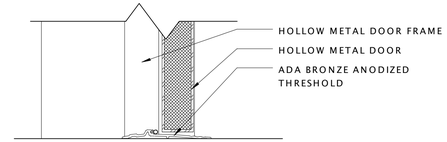
1 A5.3 — INTERIOR DOOR DTL @ SIPS
3" = 1'-0"



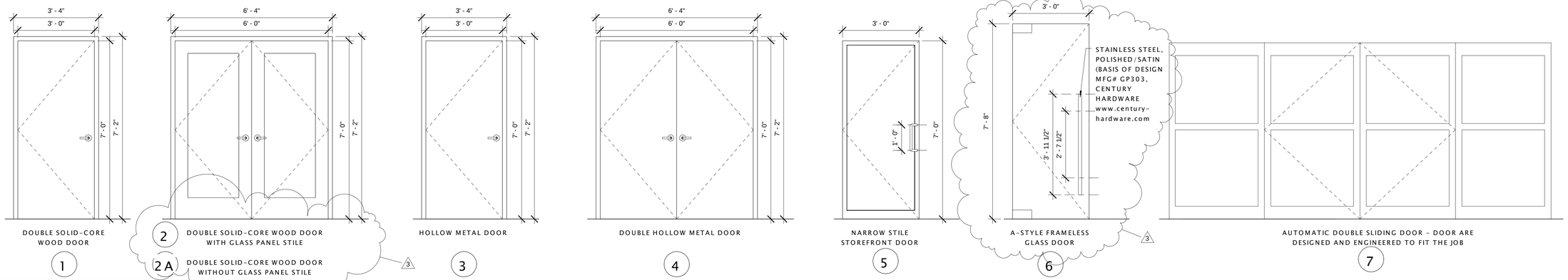
2 A5.3 — EXTERIOR DOOR DETAIL
3" = 1'-0"



4 A5.3 — INTERIOR DOOR DTL @ MTL STUD
3" = 1'-0"



3 A5.3 — EXTERIOR THRESHOLD
3" = 1'-0"



5.1 A5.3 — DOOR ELEVATIONS
1/2" = 1'-0"

JOHNSON PETERSON ARCHITECTS
930 THOMASVILLE RD. STE. 1
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850.224.9797 FAX
www.jparchitects.com
REG# AA001215
JPA PROJECT #0614.001
JPA - PM DOUG SHULER
dshuler@jparchitects.com

DRAWN	PHASE	CHECK	DATE
DSHULER	DD	IJOHNSON	07.20.09
DSHULER	50%CD	IJOHNSON	09.22.09
DSHULER	80%CD	IJOHNSON	11.25.09
DSHULER	100%CDR	IJOHNSON	01.11.10
DSHULER	100%CD	IJOHNSON	02.24.10

REVISIONS

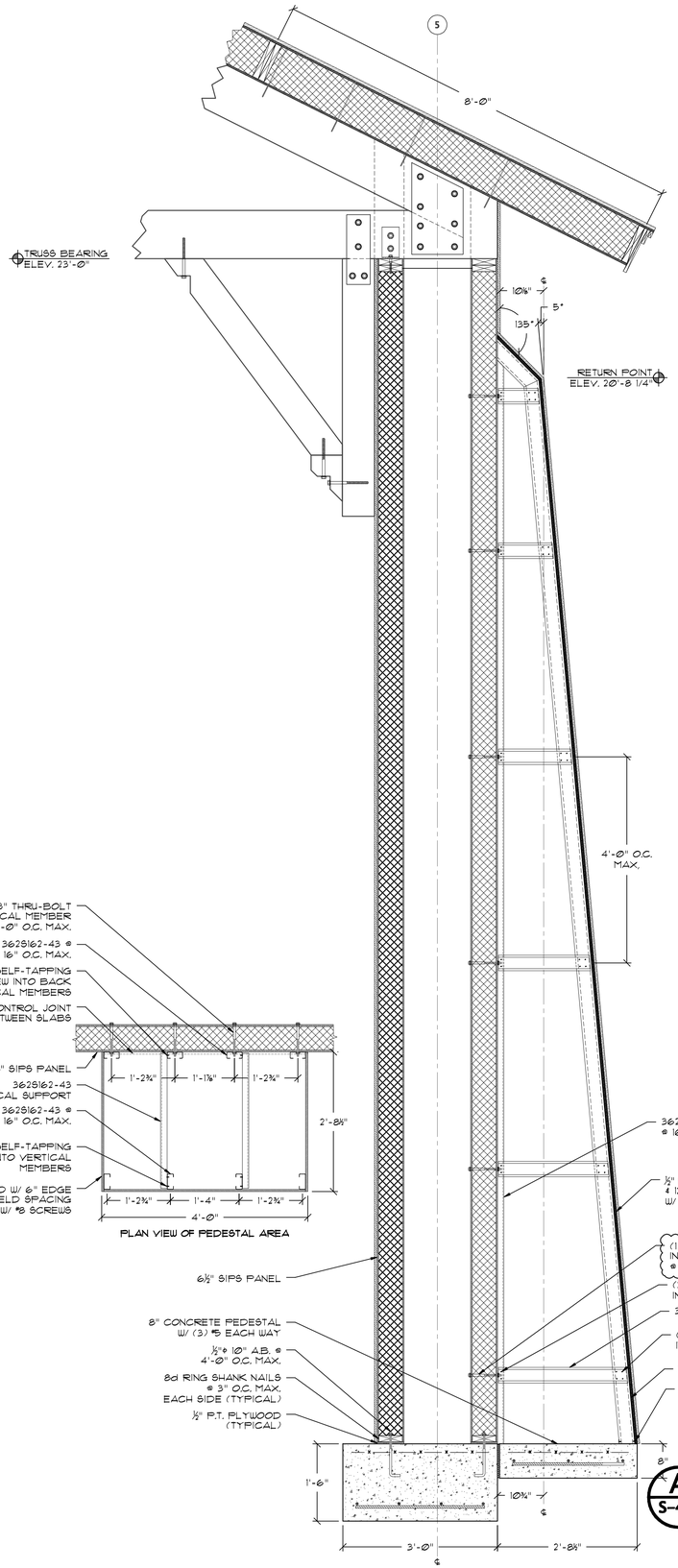
#	DATE	COMMENTS
1	04/22/10	LEON COUNTY COMMENTS
2	05/19/10	ADDENDUM #1
3	05/25/10	ADDENDUM #2

LEON COUNTY - EASTSIDE BRANCH LIBRARY

100% CONSTRUCTION DOCUMENTS

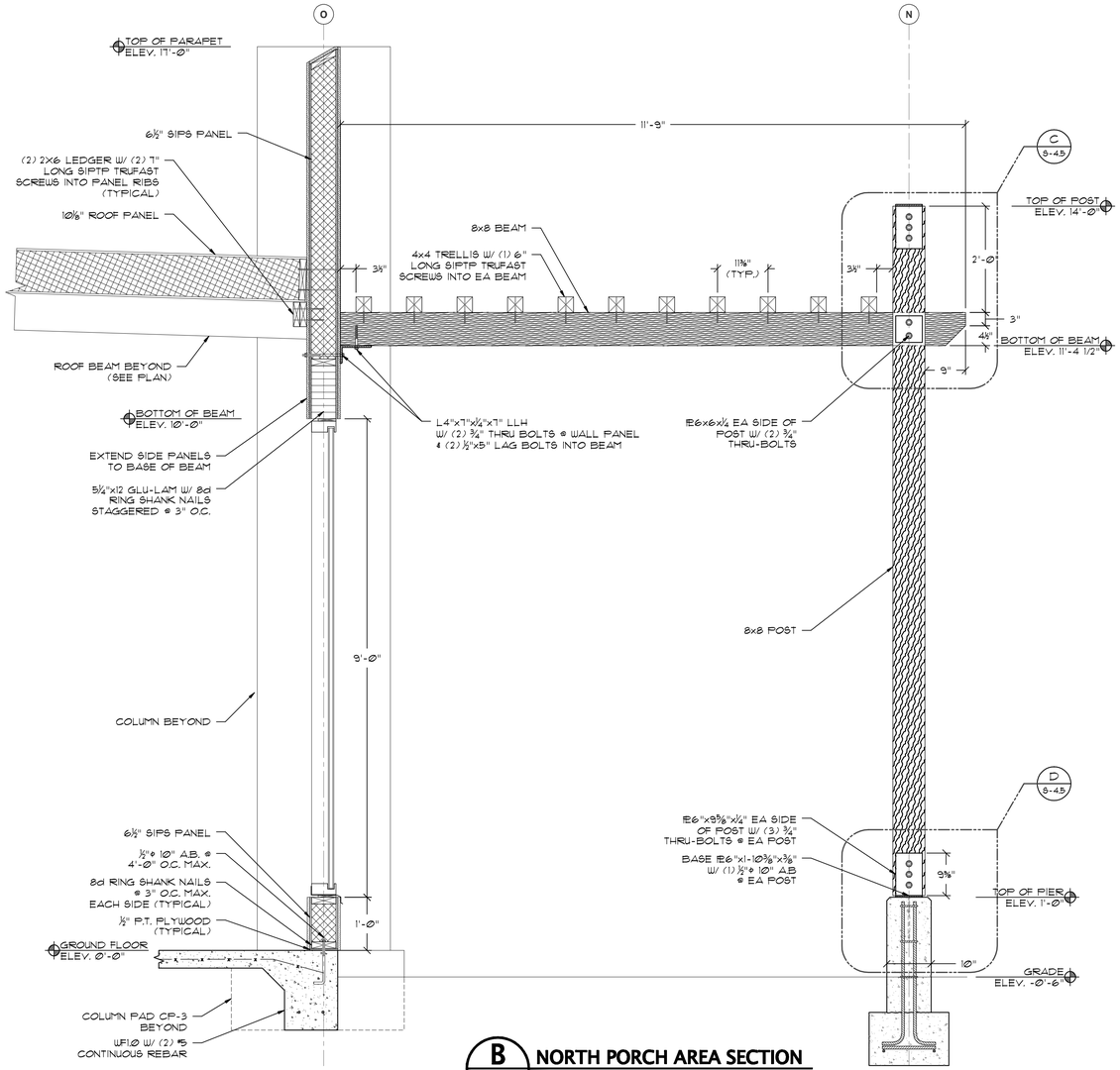
DOOR & WINDOW DETAILS

A5.3

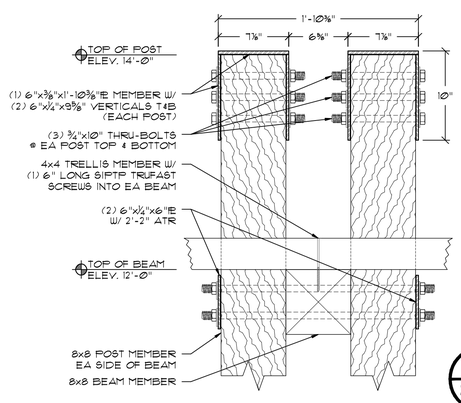


PLAN VIEW OF PEDESTAL AREA

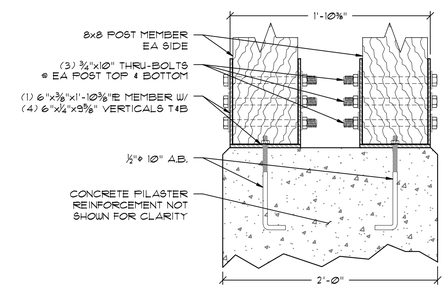
A S-4.5 TYPICAL EXTERIOR WALL WITH VERTICAL SUPPORT
SCALE 3/4"=1'-0"



B S-4.5 NORTH PORCH AREA SECTION
SCALE 3/4"=1'-0"



C S-4.5 TRELLIS COLUMN TOP SECTION
SCALE 3/4"=1'-0"



D S-4.5 TRELLIS COLUMN BOTTOM SECTION
SCALE 3/4"=1'-0"

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ARCHITECTS
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TALLAHASSEE, FL 32303
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www.jparchitects.com
REG. # AA001215

DRAWN	PHASE	CHECK	DATE
GMC	DD	D.BARKLEY	7-20-09
GMC	50% CD	D.BARKLEY	9-22-09
GRS	80% CD	D.BARKLEY	11-25-09
GRS	100% CDR	D.BARKLEY	01-11-10
GRS	100% CD	D.BARKLEY	02-24-10

REVISIONS

#	DATE	COMMENTS
2	05-25-10	ADDENDUM

LEON COUNTY EASTSIDE BRANCH LIBRARY

100% CONSTRUCTION DOCUMENTS

Barkley
CONSULTING ENGINEERS, INC.
Structural & Civil Engineers
3494 MARTIN HURST RD.
TALLAHASSEE, FLORIDA 32312
OFFICE 850-297-0440
FAX 850-297-0697
BCEI #08-00863

Douglas R. Barkley M.S., P.E.
FL PE. # 49090

WALL SECTIONS

S-4.5

City of Tallahassee
Your Own Utilities℠

Talgov.com/you

Water Resources Engineering 300 S. Adams Street, B-26 Tallahassee, FL 32301 850-891-4YOU (4968)

February 8, 2010

Mr. Parwez Alam
County Administrator
C/o Leon County Facilities Management Division
1907 South Monroe St.
Tallahassee, Florida 32301

Re: Eastside Branch Library
Location: 1709 Pedrick Road
Tax ID No: 11-24-20-002-0000, 11-24-20-004-0000, 11-24-20-008-0000
LSP09-0036
(Outside City Limits)

Dear Mr. Alam:

As a follow-up to a conversation with your representative, Peter Okonkwo of Spectra Engineering and Research, Inc., regarding development of the above project, the agreement between Leon County, Florida, a charter county and political subdivision of the State of Florida (the "developer" or "Developer") and the City of Tallahassee, a Florida municipal corporation (the "City") regarding the installation of City utilities is outlined below.

Electric:

The City of Tallahassee Electric Utility will serve your commercial development. The City will pay for and install the necessary transformer(s) and primary cable. A qualified contractor, approved by the Power Engineering Division, must be used to install the conduit system including transformer pads and secondary pedestals per City Electric's specification. The developer will pay for and install the primary conduit system with pull string. The developer will install the transformer pad. These items will be installed to City specifications, will be inspected prior to completion, and will be solely dedicated to City Electric Utility use. It will be the developer's responsibility to install equipment physical protection where deemed necessary by the Electric Utility.

The developer will also pay for and install the entire secondary system including conduit, cable and connectors according to the National Electric Code and any applicable City of Tallahassee building codes. The developer will pay all cut-in fees, deposits, etc., associated with temporary, as well as permanent, electric service at the rates which are in effect at the time the services are requested.

To coordinate design and installation of the electrical facilities, the developer's engineer shall contact the Electric Utility's Project Engineer, Eric Marshall (850-891-5013). The developer's

engineer shall also furnish and deliver to the Electric Utility an electronic copy (AutoCAD format) along with two sets of final building construction plans and water/sewer construction plans, stamped and signed approved by the Water Utility. The above-mentioned plans are to be delivered to the Power Engineering Division, located at 2602 Jackson Bluff Road, Tallahassee, Florida 32304. Plans shall include at a minimum the following:

- Approved site plan
- Architectural plan
- Electric Riser diagram (one-line diagram)
- Electric loads

Upon receipt of the noted plans, Power Engineering will design the electric service. Plans will be reviewed for permitting approval and will be marked with the electrical design and with applicable comments. One set of permitted plans will be returned to the developer and shall be kept on the construction site for the duration of the project.

The City will supply single-phase, 120/240-volt electric service, with three-phase, 277/480 volts, or 120/208 volts electric service available to the qualified applicant. In all cases, the Electric Utility will make the final determination, as to the secondary voltage, predicated on the size of the electric service and the electric system's voltage availability.

Prior to construction of any portion of the electric system, the developer shall properly locate and mark the water and sewer mains and services along with properly marking property corners and right-of-way (ROW) lines. The developer will also be responsible for insuring that these markings are maintained throughout construction. In addition, prior to construction of the utility systems, all easements shall be cleared and graded to within four inches (4") of the final grade.

The developer should coordinate the water and sewer installations to avoid a conflict during the installation of the electric system. It is the developer's responsibility to familiarize himself with the utility location guide and take steps to assure that during the installation of the electric system, the water and sewer lines and services are not damaged. The City will not be responsible for damage to other utilities which are not marked or which are marked incorrectly. The construction schedule should be planned such that all electric facilities are installed prior to natural gas lines, telephone lines, cable television lines, sidewalks, and final paving. The City will not be responsible for damage to any of these utilities, sidewalks or to paving if they are installed prior to the electric system.

The applicant should make their landscape designer aware that tall growing trees shall be planted such that upon reaching maturity the branches will not interfere with any overhead electric facilities. In addition, landscaping within twenty feet of overhead electric facilities shall be of a species that reaches a maximum height of fifteen feet or less. Examples of such trees are Tree Sparkleberry, Fringe Tree, Washington Hawthorne, Possum Haw, Japanese Magnolia var. "Blood Good", May Hawthorne (Mayhaw), Red Buckeye, Crepe Myrtles, (Choose from the

following varieties: "acoma"-white; "catawba"-purple; "sioux"-pink; "tonto"-red; "yuma"-lavender.), "Star" Magnolia, Chickasaw Plum, Yellow Anise, Burford Holly, Nelly R Stevens Holly, Weeping Yaupon Holly, Tea Olive, Wax Myrtle, Salt Bush And Confederate Rose. The landscape designer should also maintain a minimum of three feet clearance on sides and ten feet clearance at each access door of any pad mount electric utility equipment. The applicant may contact the Electric Utility Forester, Perry Odom (891-5181), for an extended listing of permissible trees.

Easements will be required for all primary facilities installed upon the developer's property. Such easement will typically be twenty feet wide and run parallel with the conduit lines. Easements adjacent to and parallel with the ROW are typical ten feet in width. Easements will also include the area beneath and within four feet of the side of any equipment pads. It is the developer's responsibility to provide a copy of these executed and recorded easements to the Electric Utility at the above address. Permanent power will not be connected until all easements are complete.

Prior to completion of the permanent underground electric distribution system, the developer may request the Electric Utility install a temporary service for construction purposes. Included in the written request shall be indication of the developer's willingness to compensate the City for any expenditures for labor and vehicle time required for the installation and removal of the requested overhead service.

Should the density or type of occupancy change or grade change after installation of the electric facilities and, in so doing, require that the City modify its system, all related costs would be borne by the developer or person or firm requesting such change. The requesting party will also bear the full cost of relocation in the event of property lines marked incorrectly, parking areas, etc., which necessitate future relocation.

Gas Utility:

The Gas Utility has infrastructure adjacent to the proposed development with ample capacity to provide service. A Request for Gas Service is required before design and installation can proceed. Gas Service request forms are available at the City's web site (**http://www.talgov.com**), or by contacting Vicki O'Neil (850-891-5569).

Water Resources Engineering:

Sanitary sewer to the proposed Library will be served by a gravity main to be constructed under Pedrick Road in conjunction with the sanitary sewer in Mahan Drive. The gravity sewer will connect to a proposed pump station in a proposed easement within the Morningside Baptist Church property. The gravity main will be built by a City contractor at the City's expense. The pump station and the necessary force main will be built by the developer and refunded by the City as described in the "Exceptions" portion of this letter. The developer shall coordinate

closely with the City's contractor during construction of any sewer work within Pedrick Road. If timing of the gravity sewer main construction is such that the developer will need to connect prior to the completion of the City work, this Letter of Agreement may be amended to allow the developer to build a portion of the gravity main needed for connection.

The developer will have plans prepared by a registered engineer for the proposed water and sewer systems. These plans will be approved and permitted by the Manager of Water Resources Engineering or his/her designee and, where applicable, the Florida Department of Environmental Protection, prior to construction being initiated. It is the responsibility of the developer's engineer to secure these approvals, along with any applicable road permits.

The developer will assume the responsibility for the design, construction and funding of all potable water, reuse water (if applicable) and sewer lines to the development. Forty-eight hours prior to any construction being initiated, the developer's utility contractor shall notify the Manager of Water Resources Engineering of his intent to proceed in order that City inspection personnel can be scheduled to handle the project. In addition, all streets and easements shall be cleared and graded to within 4" of the final grade prior to construction of the utility system.

Upon completion of construction, and prior to acceptance by the City, the developer/contractor/engineer will be required to (1) furnish certified as-builts on both water and sewer systems; (2) bring all manholes, valve boxes, etc., to finish grade; (3) supply all easements deemed necessary to operate and maintain the water, sewer and electric systems; (4) furnish a Certification of Developer; (5) furnish a Certification of Developer's Engineer; (6) furnish a Certification of Contractor, and (7) pay the necessary fees as outlined in Sections 21-86, 21-151 and 21-282 of the City Code.

Water and sewer mains and services are the responsibility of the developer, until such time as formally accepted by the City. Prior to acceptance, the developer will be responsible for providing all field utility locations, in accordance with utility location standards, as established by the American Public Works Association. The developer will be responsible for any damages to the water and sewer system caused by the installation of any other utilities.

To adhere to ROW management guidelines, and to ensure the correct utility installation location, prior to construction commencement of any portion of the utility systems, an accurate location of existing and proposed utilities must be established. During the pre-construction meeting, the developer will provide assurance of such markings, not only of the utility mains and services, but ROW lines, backs of curbs, sidewalks, property (lot) corners, and any easement boundaries. The developer will be responsible for ensuring that these markings are maintained throughout construction. The developer may also be required to further establish location of electric transformers, or special meter placement, as may be directed by the City.

Should the density or type occupancy change and, in so doing, require that the City rebuild the water or sewer, this cost will be borne by the developer, or the person, or firm requesting the service.

Traffic Control and Street Markings:

The developer will be responsible for the design and installation of all traffic control devices. The developer will have prepared by a registered engineer signing, pavement markings, and signal plans as appropriate. The design and installation will be in accordance with the requirements and specification of the City of Tallahassee, State of Florida and the Manual on Uniform Traffic Control Devices. The design shall include all street name signs, traffic control signs, pavement markings and traffic signals, if required. All signs must be high intensity reflective material. The STOP signs must be 30-inch minimum. Temporary marking can be in paint with the final traffic control markings to be installed using thermoplastic materials at 90 mils thick. Sight distance requirements are to be maintained at intersections (no obstructions between 30 inches and 84 inches, and grow through landscaping is unacceptable).

ADA Requirements:

Prior to acceptance of subdivision or development infrastructure, the Engineer of Record must submit to the City Engineer, or designee, a letter certifying the construction of all components of any Public Accessible Route within the public ROW, meet the current requirements of Florida Building Code, Chapter 11, ADAAG, and FDOT-Roadway and Traffic Design Standards. Special attention should be given to sidewalk longitudinal slopes, cross slopes, clearances and handicap ramp construction. A Public Accessible Route includes sidewalks, bicycle/pedestrian paths, and any driveway apron that the pedestrian route crosses. The driveway is considered as part of the accessible route.

Preconstruction Conference:

Before any construction activity begins on site, the Developer's Engineer of Record shall schedule a Preconstruction Conference at a suitable in-door location. This conference will be followed by an on-site meeting between the Environmental Inspector and the Contractor's Superintendent, and the Stormwater Control Officer for the project. The following participants shall be invited: the Developer, the Contractor, City of Tallahassee Departments (Water Resources Engineering, Electric, and Gas), other utilities (phone/cable, etc.) and other interested parties (Leon County Growth Management). A 72-hour (3 working days) notice of the meeting shall be provided to all participants. The Engineer of Record shall be responsible for the minutes of the meeting to be recorded and copies furnished to all who attended.

The developer shall provide shop drawings and construction submittals approved by developer's engineer to Water Resources Engineering (attention Jerry Walden) at least one week prior to holding the preconstruction meeting. Failure to provide submittals in a timely manner could lead

to cancellation of the preconstruction meeting and/or the postponement of any water or sewer construction. Water Resources Engineering may not accept any construction that proceeds without a pre-construction meeting, and removal of unacceptable materials may be required. Water Resources Engineering inspection staff shall not be responsible for approving submittals.

Warranty:

A two-year warranty of workmanship and materials will be required from the developer prior to, and as a condition of, acceptance of the systems by the City. The warranty will begin once the final acceptance letter has been issued by Water Resources Engineering.

Easements:

The developer will be required to furnish all easements necessary to operate and maintain the utility systems.

Permits:

The developer will be required to obtain all applicable permits prior to construction. If any construction is to be done by City forces, copies of the permits must be provided, to the appropriate utility departments, prior to initiation of construction. This would include, but not be limited to: tree, ROW, utility, Florida Department of Environmental Protection, Florida Department of Transportation, City of Tallahassee environmental permit, and applicable Leon County permits, as well as other applicable governmental permits.

Inspection Fees:

The City shall collect the required inspection fees of $0.28 per foot of water main and $1.52 per foot of sewer main installed in accordance with Section 21.66(c) of the City Code.

Refunds:

As this development is located outside the City Limits, it does not qualify for on-site refunding. Off-site refunding is discussed in the Exceptions section of this letter.

Bidding Requirements:

In order to qualify for the refunds, the developer must competitively bid the approved water and sewer work. Prior to bidding, the construction plans, applicable permits, bid form and engineer's construction cost estimate (bid units predetermined by the Project Engineer) must be approved by the Manager of Water Resources Engineering.

1. The bid form and engineer's estimate of cost shall describe, in detail, all refundable and non-refundable water and sewer expense.

2. The developer shall make every effort to receive competitive pricing from at least three appropriately licensed contractors.

3. All bids shall be sealed and shall have no alternations and/or contain any irregularities. The Leon County Office of Purchasing will administer bids to include advertisement subscribing to normal Leon County procedures (Demand Star) and will also handle and open all bids in accordance with Leon County Purchasing Policies (this will include MWSBE policies and Leon County local bid preference ordinance).

4. Bids meeting the requirements will be opened in the presence of a representative of the Manager of Water Resources Engineering unless prior arrangements have be made with said representative. Opening of all bids will be in conformance with the time and place designated in the advertisement.

5. The lowest competitive, sealed bid meeting the requirements of the City of Tallahassee, and in the best interest of the City of Tallahassee, will form the basis for determining the amount of eligible water and sewer construction expenses and the potential refund amounts for water and sewer.

6 In no case shall the developer execute a contract for the water and sewer work prior to the bidding procedure being completed. Should this situation occur, water and sewer expenses of the development shall be ineligible for refunds.

7 Any changes to the proposed approved water and sewer contract, which effectively increase or decrease the amount of the units to be installed, the unit costs of the refundable or non-refundable items, or the amounts to be refunded by the City, shall be approved by the City, in writing, prior to the work being initiated.

8. The bidder shall complete the proposal forms, with unit or lump sum prices, for all bid items including alternates, and carry out all extensions. In the event of any discrepancy in the entries for any bid item, the unit price entry shall govern and be used in the extension to obtain a corrected bid item price proposal and total price proposal.

City's Right to Set Off:

Notwithstanding any other terms of this agreement, the parties agree that the City shall have the right to set-off, against any refunds or other payment which may become due hereunder to the developer, his successors, or assigns, the amount of any indebtedness to the City that the developer may now, or hereafter, have regardless of the nature of that indebtedness.

Solid Waste:

No comments.

Exceptions:

Electric:

1. Power for the sewer lift station will be determined when final construction plans are submitted to the City Electric Project Manger at 2602 Jackson Bluff Road, Tallahassee, Florida

Water Resources Engineering:

1. A licensed underground utility contractor shall perform the utility installation.
2. Approved Water/Sewer Concept Plan prepared by Spectra Engineering & Research, Inc. and dated 12/23/2009, is hereby incorporated as part of this Letter of Agreement.
3. It the developer constructs the sewer taps, the tap fees will be waived.
4. The City will refund the developer for the cost of all incidental labor, equipment, and materials incurred in the construction or installation of the following after acceptance of the water and sewer system (as per the approved concept plan dated 12/23/09):
    a. Construction of the Lift station as shown on the approved Concept plan. The City must approve final design and all shop drawings.
    b. 2,286 feet of 6" PVC force main from proposed lift station to a point shown on the approved Concept Plan on Pedrick Road.
    c. Two sanitary manholes south of Crosswinds Drive on Pedrick Road.
    d. 486 Liner Feet of 8" PVC sanitary line along Pedrick Road south of Crosswinds Drive.
5. Processing of refunds will take place upon completion and acceptance from the City for the water and sewer construction. The City will give no partial refunds.

General:

The requirements of the preliminary plat or conditions placed on this development by the approving authority, if applicable, shall take precedence over the terms of this agreement. Any conditions or restrictions placed on this project by the Planning Commission, as part of the platting process, or any revisions to the preliminary plat that may occur, may substantially change the terms of this agreement and make it null and void.

In addition to the above provisions relating to the installation of utilities, roadways, etc., it is further understood that the individual, or corporate officer, executing this agreement on behalf of the developer is legally authorized to do so and should any utility refunds accrue, as a result of this development, the individual, company, partnership or corporation named in the agreement is the proper legal entity to receive same.

The developer shall not be permitted to assign his interest in any refunds or other payments, which may become due hereunder from the City until the subject project has been fully completed and has been accepted by the City. Any attempt to so assign the developer's interest shall be of no effect.

This agreement will expire on February 9, 2011.

Should this agreement expire prior to the developer contracting for the installation of the water and sewer lines, the agreement will either be extended, or modified, to reflect the policies and/or ordinances in effect at that time.

Should the agreement expire prior to the developer completing the subdivision improvements, the City will honor the refunding agreement, as it relates only to the water and sewer lines that are under contract prior to the expiration date.

The execution of this agreement by the City of Tallahassee does not constitute a development approval or a final development order and does not create any basis for vested status to either commence or continue development.

I trust this outlines our agreements and should you have any questions, please advise. Please indicate acceptance of this by signing both copies where indicated and returning both copies to me for execution by the City. We will return to you a fully executed copy for your records.

Developer:	Leon County c/o Tom Brantley	Engineer:	Peter Okonkwo
Telephone:	606-5000	Telephone:	656-9834
Fax:	606-5303	Fax:	942-2717

Sincerely,

WATER RESOURCES ENGINEERING

John Buss, P.E.
Manager

Approved:
City of Tallahassee

2/25/10

Ricardo Fernandez Date
Assistant City Manager

Approved:
Owner/Developer

(for) Parwez Alam 2.19.10

Parwez Alam Date
County Administrator
Leon County Board of County Commissioners

APPROVED AS TO FORM:

Office of the County Attorney
Leon County, Florida

By: _____, for
Herbert W.A. Thiele
County Attorney

SEWER FLOW CALCULATIONS

BUILDING (EASTSIDE BRANCH LIBRARY)

TOTAL ESTIMATED EMPLOYEES = 10 STAFF

TOTAL ESTIMATED NUMBER OF LIBRARY USE = 150 PEOPLE

AVERAGE FLOW BASED ON 60 GPCD

TOTAL AVERAGE DAILY FLOW = 160 X 60 = 9,600 GPD

PEAK HOUR FLOW (BASED ON 300% AND 18 HOURS USE) = 1,600 GALLONS

WATER DEMAND FLOW CALCULATIONS

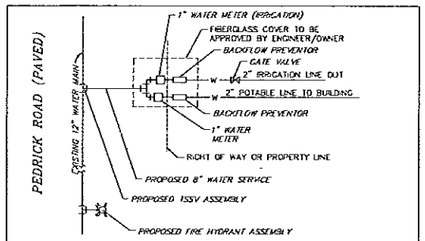
NUMBER OF SERVICE CONNECTION = 1

AVERAGE ESTIMATED NUMBER OF PEOPLE = 160

AVERAGE DAILY WATER DEMAND = 70 GPCD (BRANCH LIBRARY)

TOTAL DAILY WATER DEMAND FOR SERVICE CONNECTION = 11,200 GPD

TOTAL MAXIMUM DAY WATER DEMAND = 16,800 GPD (150% MULTIPLIER)



WATER METER DETAIL

NOTE: CONTRACTOR TO CONTACT CITY OF TALLAHASSEE WATER DEPARTMENT FOR LOCATION AND COORDINATION OF WATER METERS PRIOR TO INSTALLING WATER LINES.

FIRE FLOW CALCULATIONS

CONSTRUCTION FACTOR = $C_i = 18F(A_i)^{0.5}$
$C_i = 18(1.5)(13,200)^{0.5} = 3,102.10$
CONSTRUCTION CLASS1 (FRAME) F=1.5
EFFECTIVE AREA= 13,200 S.F.
EXPOSURE FACTOR $(1+(X+P)i)$
$(1+(X+P)i) = (1+(0.10+0) = 1.10$
OCCUPANCY FACTOR (C-3 COMBUSTIBLE) = 1.0
NEEDED FIRE FLOW = $(Ci)(Oi)(X+P)i$
NFF = 3,102.10 x 1.0 x 1.10 = 3,412.31
NFF = 3,412.31 ROUND NEAREST 500 GPM = 3,500 GPM

F = CONSTRUCTION CLASS COEFFICIENT	F =	1.50
Ai = EFFECTIVE AREA IN S.F.	Ai =	13,200
Ci = CONSTRUCTION FACTOR	Ci =	3,102.10
Xi = EXPOSURE FACTOR	Xi =	1.10
Pi = COMMUNICATION FACTOR	Pi =	0.00
Oi = OCCUPANCY FACTOR	Oi =	1.00

NOTE:
REQUIRED FIREFLOW PROVIDED BY TWO HYDRANTS: ONE EXISTING AND ONE PROPOSED, BOTH ARE AT 2,000 GPM = 4,000 GPM.

LEGEND
—FM— = FORCEMAIN LINE
—SAN— = SEWER LINE
—W— = WATER LINE

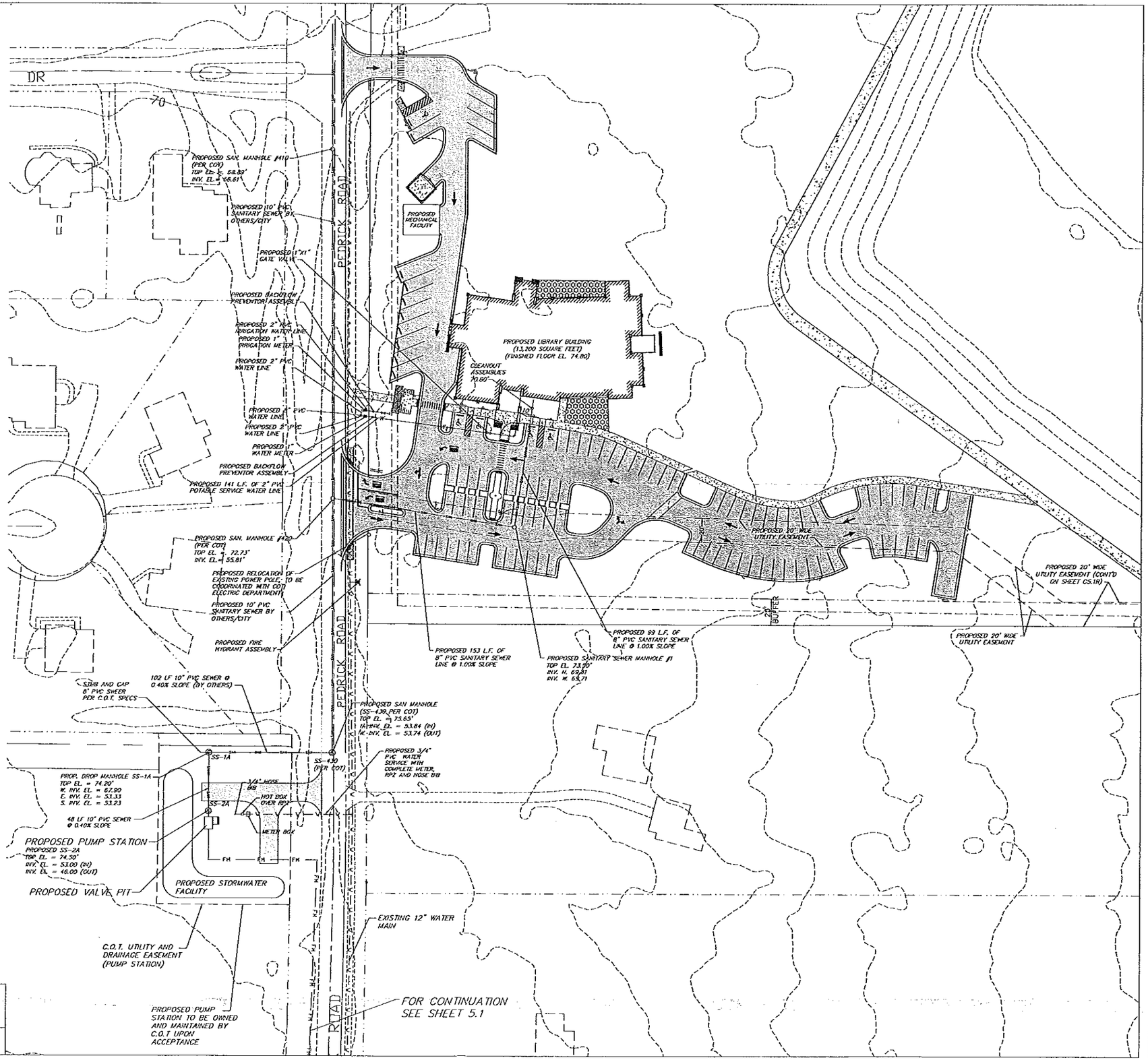
UTILITY NOTES:

1. MINIMUM GROUND COVER OVER WATER MAINS TO BE 36"
MINIMUM GROUND COVER OVER SANITARY SEWER TO BE 36"
MINIMUM GROUND COVER OVER GAS LINES TO BE 36"
2. WATER AND SEWER LINES SHALL MAINTAIN A HORIZONTAL SEPARATION OF 10', OR A VERTICAL OF 18", WHEN THIS IS NOT POSSIBLE CONCRETE ENCASEMENT OF PIPE FOR A DISTANCE OF 10' EACH SIDE OF THE SEWER MAIN SHALL BE USED IN LIEU OF THE CONCRETE ENCASEMENT, DUCTILE IRON PIPE MAY BE MAINTAINED WITH ALL OTHER UTILITIES
3. WHERE REQUIRED, WATER MAINS MAY BE DEFLECTED TO PROVIDE 12" MIN. HORIZONTAL CLEARANCE BETWEEN MAIN, STORM STRUCTURE, AND DRAIN.
4. NOTIFY THE OWNER AND THE ENGINEERS 72 HOURS PRIOR TO MAKING ALL CONNECTIONS TO EXISTING WATER MAINS.
5. BACTERIOLOGICAL SAMPLING PERFORMED BY THE CONTRACTOR.
6. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION IN CASE OF CONFLICTS OF NEW CONSTRUCTION WITH EXISTING UTILITIES, CONTRACTOR SHALL NOTIFY ENGINEER TO RESOLVE SUCH CONFLICTS PRIOR TO CONTINUING CONSTRUCTION.
7. SEALED MANHOLE COVER TO BE USED FOR MANHOLES IN PAVED ROAD SURFACE COLD TAR EPOXY TO BE APPLIED INSIDE AND OUTSIDE OF CONCRETE MANHOLES MANHOLES IN NON-PAVED AREAS SUSCEPTIBLE TO WATER INFLOW SHALL HAVE A SEALED MANHOLE COVER AND BE ELEVATED 6"-12" ABOVE SURROUNDING SURFACE.

NORTH

GRAPHIC SCALE
(IN FEET)
1 inch = 40 ft.

SPECTRA ENGINEERING & RESEARCH, INC.
NURF=L85698 CA#=5698
CIVIL * ENVIRONMENTAL * PLANNING * LAND SURVEYING
3058 Highland Oaks Terrace, Suite 100, Tallahassee, Florida 32301
Tel: (850)-656-9834 Fax: (850)-942-2717



JOHNSON PETERSON
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930 THOMASVILLE RD. STE. 1
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850.224.9797 FAX
www.jparchitects.com
REG# AA001215
JPA PROJECT #0614.001
JPA – PM DOUG SHULER
dshuler@jparchitects.com

DRAWN	PHASE	CHECK	DATE
SAM	ASD	PCO	11/24/09

REVISIONS

#	DATE	COMMENTS

LEON COUNTY BRANCH LIBRARY – EASTSIDE LIBRARY

UTILITY CONCEPT PLAN

SPECTRA REVISIONS

#	DATE	COMMENTS

C5.0R

GRAPHIC SCALE

(IN FEET)
1 inch = 100 ft.

PATCH LINE B-B

2286 LF ± OF 6" PVC FORCE MAIN

PROPOSED PUMP STATION

PROPOSED WET PIT

PROPOSED DRY PIT

NOTE:

THIS UTILITY CONCEPT PLAN IS PREPARED UTILIZING EXISTING INFORMATION FROM CITY OF TALLAHASSEE GROWTH MANAGEMENT AND UTILITY DIVISION, SITE VISIT, DISCUSSION AND SUGGESTIONS WITH DIFFERENT STAKE HOLDERS.

THIS DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION. THE FINAL DESIGN AND CONFIGURATION MAY VARY DEPENDING ON VERIFIED FIELD CONDITIONS AND OTHER PARAMETERS.

LEGEND

—FM— = FORCEMAIN LINE
—SAN— = SEWER LINE
—W— = WATER LINE

PATCH LINE B-B

2286 LF ± OF 6" PVC FORCE MAIN

500 S.F. OPEN CUT & PATCH PER FDOT INDEX #307

JACK AND BORE / DIRECTIONAL BORE APPROX. 140 L.F. OF 6" SANITARY SEWER FORCEMAIN BELOW CPZ OF EXISTING OAK TREE 500 S.F.

PLANTATION

500 S.F. OPEN CUT & PATCH PER FDOT INDEX #307

GRAPHIC SCALE

(IN FEET)
1 inch = 100 ft.

JACK AND BORE / DIRECTIONAL BORE APPROX. 100 L.F. OF 6" SANITARY SEWER FORCEMAIN BELOW CPZ OF EXISTING OAK TREE

2285 LF ± OF 6" PVC FORCE MAIN

PROPOSED SSMH DATA TO BE SUPPLIED DURING DESIGN

CROSSWINDS DRIVE

500 S.F. OPEN CUT & PATCH PER FDOT INDEX #307

211 LF OF 8" PVC @ GRAVITY

PROPOSED SSMH DATA TO BE SUPPLIED DURING DESIGN

EXISTING SEWER MANHOLE TOP EL. = 85.41 INV. EL. = 71.03

EXIST. SEWER MANHOLE TOP EL. = 91.12 INV. EL. = 83.11

275 LF OF 8" PVC @ GRAVITY

EXISTING SSMH TOP EL. = 93.22 EXIST. INV. EL. = 85.61 PROP. INV. EL. = (TBD)

NORTH

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JPA - PM DOUG SHULER
dshuler@jparchitects.com

DRAWN	PHASE	CHECK	DATE
SAM	ASD	PCO	11/24/09

REVISIONS

#	DATE	COMMENTS

LEON COUNTY BRANCH LIBRARY - EASTSIDE LIBRARY

UTILITY CONCEPT PLAN

SPECTRA REVISIONS

#	DATE	COMMENTS

C5.1R