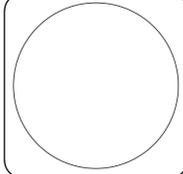


**CORZO
CASTELLA
CARBALLO
THOMPSON
SALMAN**

**Architects
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3996 N.W. 9th Avenue
Ft. Lauderdale, FL 33309
Voice: 954.565.2113 Fax: 954.567.4079
AAC002142 EBO005022



Jeffrey S. Crews, PE

**ALSDORF PARK
BOAT RAMP**
2901 NORTHEAST 14th STREET
POMPANO BEACH, FLORIDA

JOB NUMBER

216700166

FILE No. :

DRAWN : M.O.A
REVIEWED : J.S.C.
CHECKED : J.S.C.

DATE : **8/25/14**

ISSUE/REVISIONS

- ▲ 8/25/14 DRC Comm.
- ▲ 3/23/15 Planning/Zoning

SHEET TITLE

SURVEY

SHEET NUMBER

SU-1

Note:
1. All Elevations Shown On This Sheet Are Based On
North America Vertical Datum Of 1988, (N.A.V.D)

NORTHEAST 14th STREET (STATE ROAD NO. 844)

PERPETUAL R/W EASEMENT TO CITY
O.R.B. 2461, PAGE 899

SOUTH LINE OF
SE ¼ OF NW ¼ OF SE ¼
SEC. 30-48-43

SOUTH LINE OF
SW ¼ OF NE ¼ OF SE ¼
SEC. 30-48-43

EAST LINE OF
SE ¼ OF NW ¼ OF SE ¼
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WEST LINE OF
SE ¼ OF NW ¼ OF SE ¼
SEC. 30-48-43

9.84 ACRES NET

1418
4.838
set irc lb 4644

2-708
set irc lb 4644

4.609
set nail

5.786
set cm

SITE BENCHMARK
ELEVATION=4.14'
NAVD 88

EXISTING CANAL

INTRACOASTAL WATERWAY

CENTERLINE CHANNEL

STANDARD CHANNEL LIMITS

STANDARD CHANNEL LIMITS

FND NAIL
0.43' E
0.83' S

WITNESS LB
506
SET IRC
9.05' FROM TRUE
CORNER

FND NAIL
564'07.12' W
14.88' FROM TRUE
CORNER

SET IRON ROD
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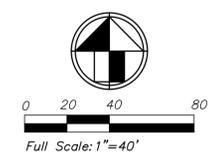
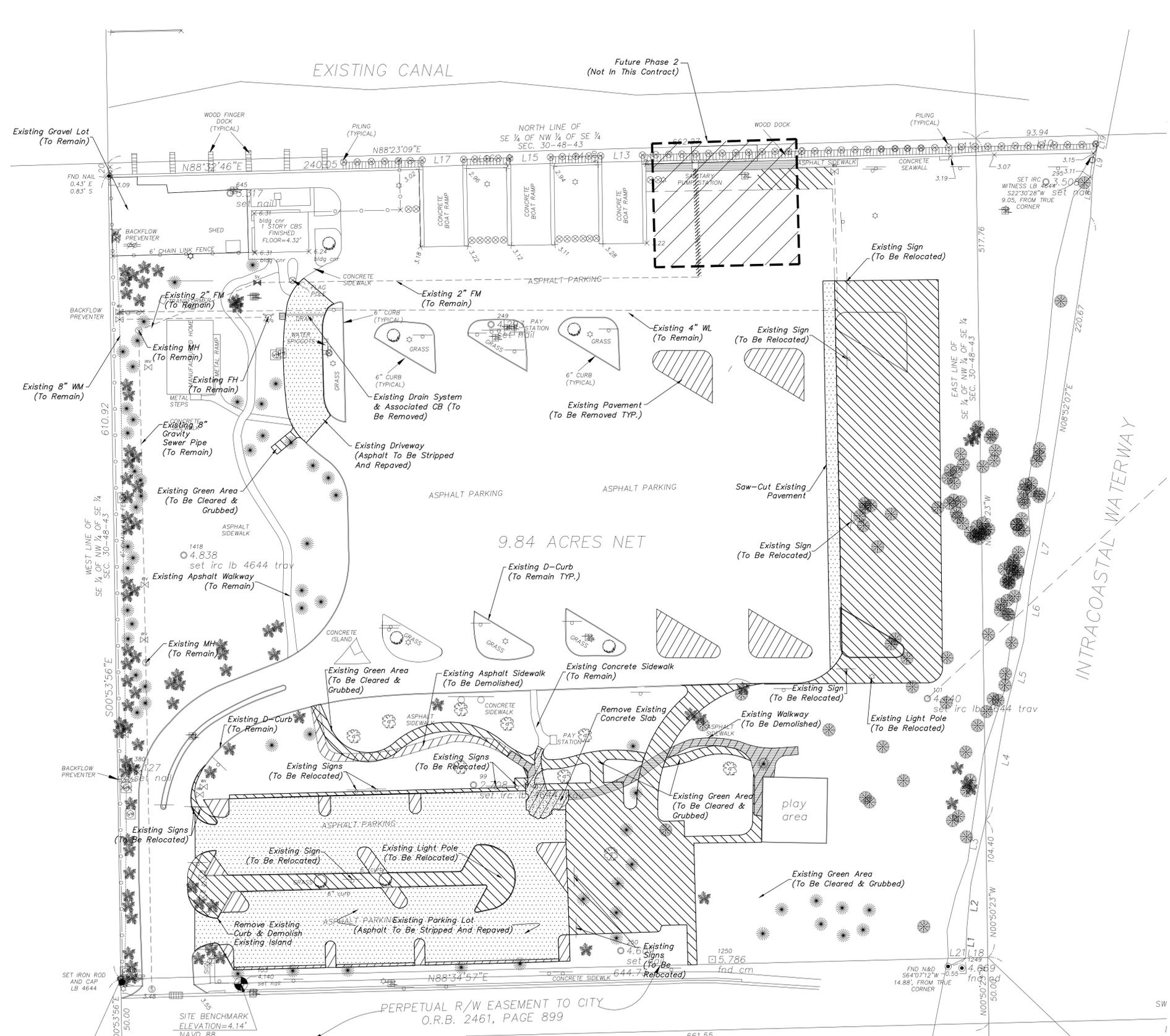
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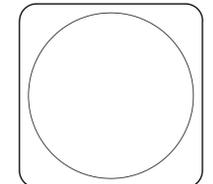
Notes:
See Landscape Plans For
Disposition Of All Existing Trees.

LEGEND

	Remove Pavement And Limerock
	Clearing And Grubbing
	Strip Asphalt And Repave



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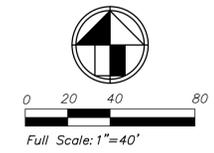


Jeffrey S. Crews, PE

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BOAT RAMP**
2901 NORTHEAST 14th STREET
POMPANO BEACH, FLORIDA

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SHEET TITLE
DEMOLITION PLAN
SHEET NUMBER
D-1



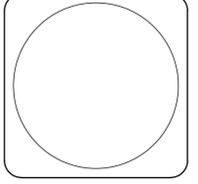
LEGEND

-  New Pavement Construction
-  New Asphalt On Reworked Limerock
-  New Sidewalk
-  New Catch Basin

DATA TABLE			
PROJECT LIMIT	IMPERVIOUS	1.93 Acre	2.89 Acre
	PERVIOUS	0.96 Acre	
PARCEL DATA	IMPERVIOUS	56%	9.84 Acre
	PERVIOUS	44%	
SITE ZONING	PR (Parks And Recreation)		
EXISTING PARKING	TRAILER PARKING	80	169
	REGULAR PARKING	85	
	HANDICAP	4	
PROPOSED PARKING	TRAILER PARKING	108	163
	REGULAR PARKING	56	
	HANDICAP	4	



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SHEET TITLE

SITE PLAN

SHEET NUMBER

C-1

GENERAL NOTES AND SPECIFICATIONS

I. APPLICABLE CODES:

- A. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY OF POMPANO BEACH DEPARTMENT OF PUBLIC WORKS BROWARD COUNTY, AND ALL OTHER LOCAL, STATE AND NATIONAL CODES WHERE APPLICABLE.
- B. ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER AND IN STRICT COMPLIANCE WITH ALL THE REQUIREMENTS OF FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, AND ALL STATE AND LOCAL SAFETY AND HEALTH REGULATIONS.
- C. ALL ELEVATIONS SHOWN ON THE CONSTRUCTION DRAWINGS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988, (N.A.V.D.), UNLESS OTHERWISE NOTED.
- D. THE CITY OF POMPANO BEACH HAS A NOISE ORDINANCE WHICH WILL NOT PERMIT CONSTRUCTION WORK BEYOND ACCEPTABLE NOISE LEVELS BEFORE 7.00 AM IN THE MORNING.

II. PRECONSTRUCTION RESPONSIBILITIES:

- A. THE CONTRACTOR SHALL OBTAIN A SUNSHINE STATE CERTIFICATION NUMBER AT LEAST 48 HOURS PRIOR TO BEGINNING AN EXCAVATION, CALL 1-800-432-4770.
- B. ALL CONSTRUCTION EASEMENTS TO BE SECURED PRIOR TO CONSTRUCTION. (IF REQUIRED)
- C. LOCATION OF EXISTING FACILITIES AS SHOWN ON CONSTRUCTION DRAWINGS ARE DRAWN FROM AVAILABLE RECORDS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE FACILITIES SHOWN OR FOR ANY FACILITY NOT SHOWN. VERIFY, IF POSSIBLE, THE ELEVATIONS AND LOCATION OF EXISTING FACILITIES PRIOR TO CONSTRUCTION. IF AN EXISTING FACILITY IS FOUND TO CONFLICT WITH THE PROPOSED CONSTRUCTION UPON EXCAVATION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD SO THAT APPROPRIATE MEASURES CAN BE TAKEN TO RESOLVE THE PROBLEM.
- D. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL APPLICABLE PERMIT(S) PRIOR TO START OF CONSTRUCTION.

III. INSPECTIONS:

- A. THE CONTRACTOR SHALL NOTIFY THE CITY, THE ENGINEER OF RECORD AND ANY OTHER GOVERNMENTAL AGENCIES HAVING JURISDICTION AT LEAST 1 BUSINESS DAY PRIOR TO BEGINNING CONSTRUCTION AND PRIOR TO THE INSPECTION OF THE FOLLOWING ITEMS, WHERE APPLICABLE:
 - 1. CLEARING AND GRUBBING
 - 2. DEMOLITION
 - 3. CONCRETE WORK
 - 4. ASPHALT PAVEMENT
 - 5. STRIPING
 - 6. FINAL

IV. SHOP DRAWINGS:

- A. PRIOR TO THEIR CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE CITY AND THE ENGINEER OF RECORD FOR THE FOLLOWING ITEMS: CONCRETE MIX DESIGN, ASPHALT MIX DESIGN, PAVEMENT MARKINGS LANDSCAPING COMPONENTS.

V. TEMPORARY FACILITIES:

- A. TEMPORARY FACILITIES – IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES AND ELECTRICITY AS NEEDED.

VI. PROJECT CLOSEOUT:

- A. CLEANING UP –
 - 1. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER, AND UPON FINAL CLEAN-UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE SWEEPED BROOM CLEAN.
 - 2. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY HIS WORK, EQUIPMENT, OR EMPLOYEES, TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS. TO THAT END, THE CONTRACTORS SHALL DO AS REQUIRED, ALL NECESSARY HIGHWAY, DRIVEWAY, WALK AND LANDSCAPING WORK. SUITABLE MATERIALS AND METHODS SHALL BE USED FOR SUCH RESTORATIONS.
 - 3. WHERE MATERIALS OR DEBRIS HAS WASHED OR FLOWED INTO, OR HAVE BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND SATISFACTORILY DISPOSED OF DURING THE PROGRESS OF THE WORK, AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION.
- B. ALL PROPERTY MONUMENTS OR PERMANENT REFERENCES, REMOVED OR DESTROYED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED BY A STATE OF FLORIDA REGISTERED LAND SURVEYOR AT THE CONTRACTORS EXPENSE.

- C. ALL UNPAVED SURFACES SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED BEFORE THE CONSTRUCTION.

D. PROJECT RECORD DOCUMENTS –

- 1. DURING THE DAILY PROGRESS OF THE JOB, THE CONTRACTOR SHALL RECORD ON HIS SET OF CONSTRUCTION DRAWINGS THE EXACT LOCATION, LENGTH AND ELEVATION OF ANY FACILITY NOT BUILT EXACTLY ACCORDING TO PLANS.
- 2. THE CONTRACTOR SHALL SUBMIT PROGRESS PHOTOS MONTHLY DURING CONSTRUCTION. CONTRACTOR SHALL INCLUDE PRE-CONSTRUCTION AND POST CONSTRUCTION PHOTOS.
- 3. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD TWO COMPLETE SETS OF ALL "AS-BUILT" CONTRACT DRAWINGS. THESE SHALL BE MARKED TO SHOW "AS-BUILT" CONSTRUCTION CHANGES AND DIMENSIONS, LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS. AS-BUILTS WILL BE REQUIRED FOR UTILITIES, DRAINAGE AND GRADING, ELECTRICAL, FINISHED ASPHALT AND LIMEROCK BASE.

VII. EARTHWORK

A. GENERAL SITE EARTHWORK.

- 1. ALL UNSUITABLE MATERIALS, SUCH AS MUCK, HARDPAN, ORGANIC MATERIAL AND OTHER DELETERIOUS MATERIAL AS CLASSIFIED BY AASHTO M-145 FOUND WITHIN THE PROPOSED FULL ASPHALT RECONSTRUCTION AREAS, SHALL BE REMOVED DOWN TO SUITABLE MATERIAL AND REPLACED WITH THE SPECIFIED FILL MATERIAL.

B. MATERIAL.

- 1. IMPORTED BACKFILL SHALL BE A SAND, OR SAND-ROCK MIXTURE ROCK SIZES LESS THAN 3" IN DIAMETER OR AS PERMITTED BY THE ENGINEER. THIS MATERIAL SHALL BE CLASSIFIED AS A-1, A-3, OR A-2-4 IN ACCORDANCE WITH AASHTO M-145.

VIII. CONSTRUCTION:

A. GENERAL:

- 1. ALL CONSTRUCTION SHALL BE PERFORMED BY MEANS AND METHODS IN ACCORDANCE WITH SOUND TECHNIQUES AS IS CONSIDERED STANDARD IN THE INDUSTRY THROUGHOUT SOUTH FLORIDA. SPECIALTY CONSTRUCTION TECHNIQUES SHALL BE APPROVED BY THE ENGINEER.
- 2. COORDINATE WITH CITY FOR THE SCHEDULING OF ALL WORK TO BE PERFORMED BY CITY WORK FORCES, IF APPLICABLE.
- 3. COORDINATE THE MODIFICATION OR RELOCATION OF ALL UTILITY VALVES, ELECTRICAL JUNCTION BOXES, CATCH BASINS, ETC. WITH THE CITY OF POMPANO BEACH UTILITY DEPARTMENT. PROVIDE 48 HOURS NOTICE TO THE DEPARTMENT PRIOR TO ANY WORK REQUIRING THEIR INVOLVEMENT.
- 4. ALL SIDEWALKS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2% A MINIMUM CROSS SLOPE OF 0.5%, AND A MAXIMUM LONGITUDINAL SLOPE OF 5%.

B. MATERIALS

- 1. CONCRETE USED FOR SIDEWALK AND CURBING SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 psi @ 28 DAYS.
- 2. LIMEROCK BASE SHALL BE FDOT APPROVED LIMEROCK MAT'L WITH MINIMUM LBR VALUE OF 100 AND MINIMUM CARBONATE CONTENT OF 70 PERCENT.
- 3. STABILIZED SUBGRADE TO HAVE MINIMUM LBR VALUE OF 40.
- 4. TRAFFIC STRIPES TO BE FDOT APPROVED PAINT TRAFFIC WHITE AND YELLOW.

C. FIELD QUALITY CONTROL:

- 1. THE CONTRACTOR SHALL PERFORM QUALITY CONTROL TESTING ON MATERIALS TO ENSURE THAT THEY MEET THE MINIMUM REQUIREMENTS OF THESE CONTRACT DOCUMENTS. THE CONTRACTOR WILL ENGAGE AND PAY FOR A QUALIFIED INDEPENDENT TESTING AGENCY TO PERFORM FIELD QUALITY-CONTROL TESTING FOR CONCRETE AND EARTHWORK. THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING ALL TESTING AS NEEDED WITH THE CONTRACTOR, THE OWNER, THE ENGINEER OR ARCHITECT AND THE TESTING AGENCY.
- 2. ALLOW TESTING AGENCY TO INSPECT AND TEST SUB GRADES AND EACH FILL OR BACKFILL LAYER. PROCEED WITH SUBSEQUENT EARTHWORK ONLY AFTER TEST RESULTS FOR PREVIOUSLY COMPLETED WORK COMPLY WITH REQUIREMENTS
- 3. TESTING AGENCY WILL TEST COMPACTING OF SOILS IN PLACE ACCORDING TO ASTM D 1557, ASTM D 2167, ASTM D 2922, AND ASTM D 2937, AS APPLICABLE. TESTS WILL BE PERFORMED AT THE SUBGRADE AND AT EACH COMPACTED FILL AND BACKFILL LAYER, AT LEAST ONE TEST FOR EVERY 2000 SQ. FT. (186 SQ. M) OR LESS OF PAVED AREA OR SIDEWALK SLAB AND AT LEAST ONE TEST FOR EVERY 100' OF CURB AND GUTTER, BUT IN NO CASE FEWER THAN THREE TESTS
- 4. WHEN TESTING AGENCY REPORTS THAT SUBGRADES, FILLS, OR BACKFILLS HAVE NOT ACHIEVED DEGREE OF COMPACTION SPECIFIED, SCARIFY AND MOISTEN OR AERATE, OR REMOVE AND REPLACE SOIL TO DEPTH REQUIRED; RECOMPACT AND RETEST UNTIL SPECIFIED COMPACTION IS OBTAINED.

- 5. TESTS FOR CONCRETE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM). TESTS SHALL CONFORM TO THE FOLLOWING:

- A. NOT LESS THAN FOUR SPECIMENS SHALL BE MADE FOR EACH STANDARD TEST, NOR LESS THAN ONE TEST FOR EACH 50 CUBIC YARDS OF CONCRETE USED, NOR LESS THAN ONE TEST FOR EACH DAY THAT CONCRETE IS CAST.
- B. SPECIMENS SHALL BE MADE AND CURED IN ACCORDANCE WITH THE STANDARD METHOD OF MAKING AND CURING CONCRETE COMPRESSION AND FLEXURE TEST SPECIMENS IN THE FIELD, ASTM C31-84.
- C. SPECIMENS SHALL BE TESTED IN ACCORDANCE WITH THE STANDARD METHOD OF TEST FOR COMPRESSION STRENGTH OF MOLDED CONCRETE CYLINDERS, ASTM C39-84. REPORTS TO THE ENGINEER SHALL BE SUBMITTED FOR EACH TEST PERFORMED.
- D. TEST CYLINDERS TAKEN OFF TRUCK-MIXED CONCRETE SHALL BE TAKEN AT THE APPROXIMATE ONE-QUARTER POINT AND THE THREE-QUARTER POINT OF THE LOAD.

D. INSTALLATION:

- 1. LIMEROCK BASE TO BE COMPACTED TO A MINIMUM OF 98% OF THE MAXIMUM DRY DENSITY IN ACCORDANCE WITH AASHTO T-180.
- 2. STABILIZED SUBGRADE TO BE COMPACTED TO A MINIMUM OF 98% OF THE MAXIMUM DRY DENSITY IN ACCORDANCE WITH AASHTO T-180.
- 3. SIDEWALK SUBGRADE TO BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY IN ACCORDANCE WITH AASHTO T-180.

VIII. MAINTENANCE OF TRAFFIC

- 1. PROVIDE MAINTENANCE OF TRAFFIC OPERATIONS THROUGHOUT THE DURATION OF DEMOLITION AND RECONSTRUCTION FOR ANY GIVEN SECTION OF ROADWAY/PARKING LOT.
- 2. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH PROJECT PLANS, THE FLORIDA DOT, ROADWAY AND TRAFFIC DESIGN STANDARD INDEXES (600 SERIES)(LATEST EDITION), THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS MINIMUM CRITERIA.
- 3. FOR GENERAL MOT REQUIREMENTS AND ADDITIONAL INFORMATION REFER TO SERIES NO. 600, ROADWAY AND TRAFFIC DESIGN STANDARDS.
- 4. THE CONTRACTOR SHALL SUBMIT A MAINTENANCE OF TRAFFIC (MOT) CONTROL PLAN TO THE ENGINEER FOR APPROVAL. THE MOT SUBMITTAL SHALL ESTABLISH THE INTENDED SCHEDULE OF TRAFFIC DISRUPTIONS, AS WELL AS THE INTENDED PLAN FOR TRAFFIC CONTROL. THE TRAFFIC CONTROL PLAN SHALL INDICATE THE INTENDED TRAFFIC CONTROL DEVICES, SPACING, SIGNAGE, ETC. AS NECESSARY TO FULLY DESCRIBE THE INTENDED MOT SETUP. THE MOT SUBMITTAL SHALL BE MADE IN A TIMELY FASHION TO ALLOW FOR APPROVAL TO BE OBTAINED 72 HOURS PRIOR TO THE COMMENCEMENT OF WORK. SUBMITTAL MATERIAL SHALL INCLUDE SKETCHES, CALCULATIONS, AND OTHER DATA REQUIRED BY THE ENGINEER.
- 5. SIGN ASSEMBLY LOCATIONS SHOWN ON THE PLANS WHICH ARE IN CONFLICT WITH LIGHTING, UTILITIES, DRIVEWAYS, WHEELCHAIR RAMPS, OR OTHER PHYSICAL BARRIERS MAY BE ADJUSTED SLIGHTLY AS DIRECTED BY THE ENGINEER.
- 6. THE FIRST TWO WARNING SIGNS, EACH SIDE, SHALL HAVE AN 18"x18" (MIN) ORANGE FLAG AND A TYPE B LIGHT ATTACHED AND OPERATING AT ALL TIMES.
- 7. ALL SIGNS SHALL BE POST MOUNTED AS REQUIRED BY THE FDOT STANDARD INDEX.
- 8. THE ALTERATION OF TRAFFIC TRAVEL WAYS TO CREATE A WORK ZONE SHALL NOT COMMENCE UNTIL ALL LABOR AND MATERIAL ARE AVAILABLE FOR THE CONSTRUCTION IN THAT ZONE.
- 9. ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.
- 10. NO TRENCHES OR HOLES NEAR WALKWAYS, IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHT-TIME HOURS WITHOUT EXPRESS PERMISSION OF THE CITY OF POMPANO BEACH PUBLIC WORKS DEPARTMENT.
- 11. THE CONTRACTOR SHALL ADHERE TO LIMITED WORK HOURS AS ESTABLISHED BY THE CITY OF POMPANO BEACH. THE HOURS THAT ARE ALLOWABLE FOR WORK OPERATIONS WILL BE ESTABLISHED AT THE PRE-BID MEETING.

VIII. PROJECT PHASING

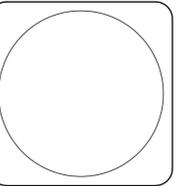
- 1. MINIMUM TWO BOATS RAMP AND FOUR ROWS OF PARKING MUST REMAIN OPEN TO TRAFFIC AT ALL TIMES.
- 2. THE CONTRACTOR MUST MAINTAIN ACCESS TO THE GENERAL PARKING AREA THROUGHOUT THE CONSTRUCTION DURATION. HOWEVER, SPECIFIC AREAS CAN BE SHUT DURING CONSTRUCTION AS NEEDED. THE CONTRACTOR SHALL SUBMIT A PHASING PLAN FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK.
- 3. THE CONTRACTOR SHALL PHASE THE DEMOLITION AND RECONSTRUCTION WORK TO LIMIT THE DURATION OF TIME THAT INDIVIDUAL SECTIONS OF SIDEWALK ARE OUT OF SERVICE. DEMOLITION SHALL BE LIMITED TO THE AMOUNT OF NEW CONSTRUCTION THAT CAN BE REPLACED WITHIN A MAXIMUM OF TWO WEEKS.



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Jeffrey S. Crews, PE

**ALSDORF PARK
BOAT RAMP**

2901 NORTHEAST 14th STREET
POMPANO BEACH, FLORIDA

JOB NUMBER

216700166

FILE No. :

DRAWN : M.O.A
REVIEWED : J.S.C.
CHECKED : J.S.C.

DATE : 8/25/14

ISSUE/REVISIONS

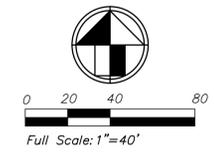
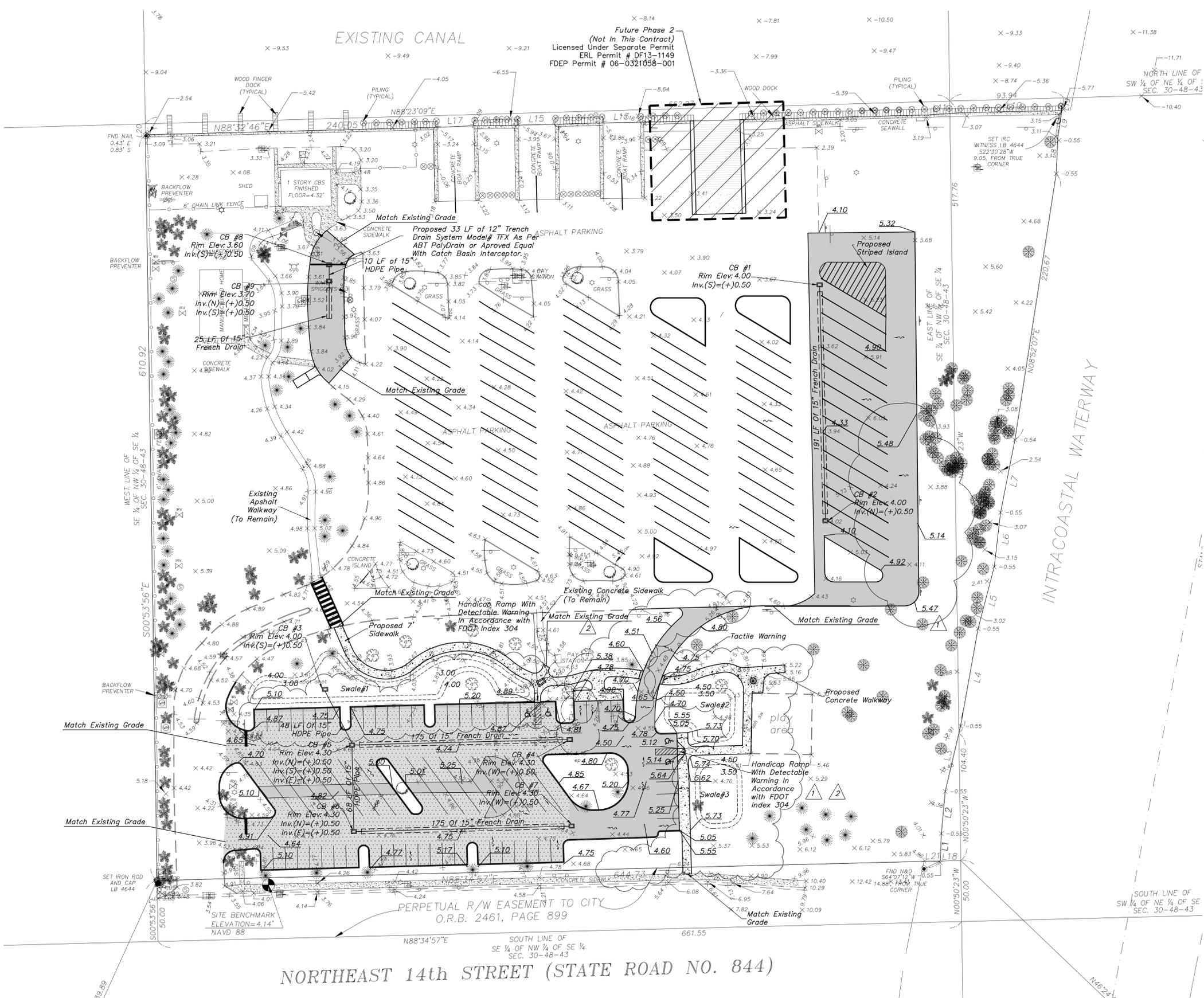
- Δ 8/25/14 DRC Comm.
- Δ 3/23/15 Planning/Zoning

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

C-2

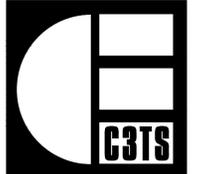


LEGEND

-  New Pavement Construction
-  Pavement Resurfacing *
On Existing Limerock
-  New Sidewalk
-  New Catch Basin
-  New Elevation

* Rework Limerock To Create New Slopes & Grades

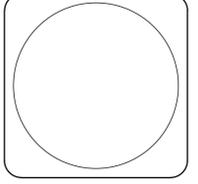
- Note:
1. All Elevations Shown On This Sheet Are Based On North America Vertical Datum Of 1988, (N.A.V.D.)
 2. Sidewalk Elevations Shall Be 1" Above Adjacent Ground Elevation. Sidewalk Cross Slope Shall Be Maximum 2% And Maximum 5% Longitudinal



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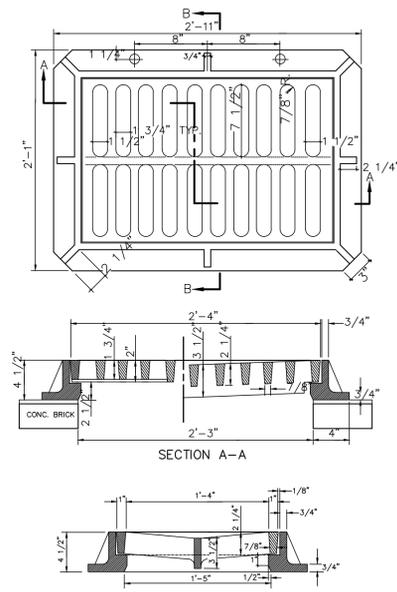
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SHEET TITLE
**PAVING, GRADING,
AND DRAINAGE**

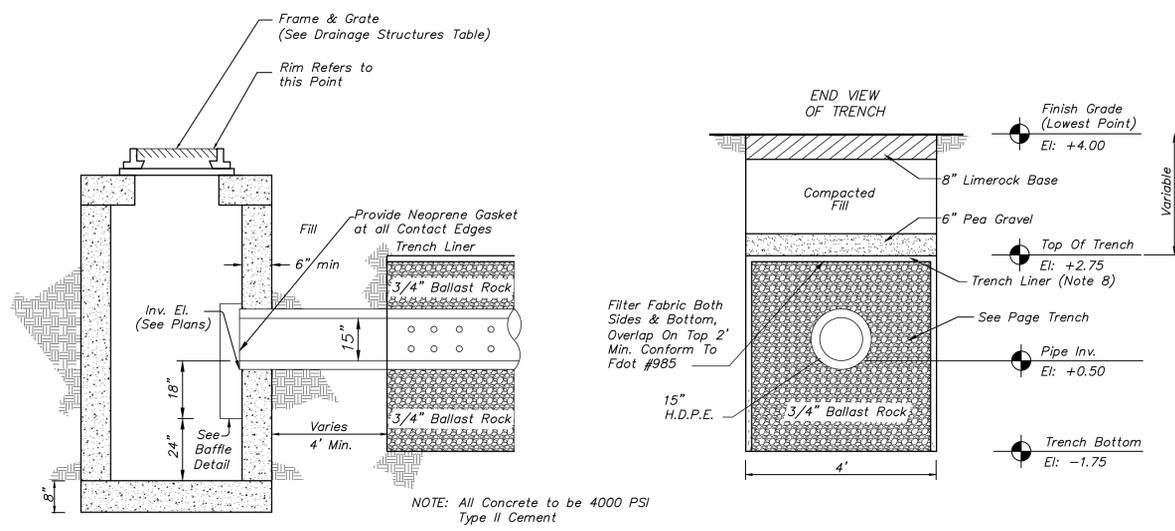
SHEET NUMBER
C-3



SECTION A-A
SECTION B-B
CAST IRON FRAME & GRATE

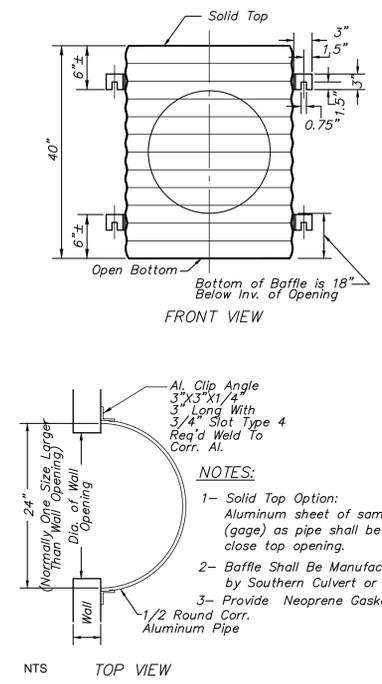
STRUCTURE No.	INLET TYPE	FRAME AND GRATE	RIM ELEV.	INVERTS				POLLUTION BAFFLES			
				N	S	E	W	N	S	E	W
CB #1	Type 'C'	USF 4105-6224	4.00	-	0.5	-	-	-	Yes	-	-
CB #2	Type 'C'	USF 4105-6224	4.00	0.5	-	-	-	Yes	-	-	
CB #3	Type 'C'	USF 4105-6224	4.00	-	0.5	-	-	-	-	-	
CB #4	Type 'C'	USF 4105-6224	4.30	-	-	-	-	-	-	Yes	
CB #5	*	USF 4105-6224	4.30	0.5	0.5	0.5	-	-	-	Yes	
CB #6	*	USF 4105-6224	4.30	0.5	-	0.5	-	-	-	Yes	
CB #7	Type 'C'	USF 4105-6224	4.30	-	-	-	0.5	-	-	Yes	
CB #8	**	-	3.70	-	0.5	-	-	-	-	-	
CB #9	Type 'C'	USF 4105-6224	3.70	0.5	0.5	-	-	-	Yes	-	

* 36"X36" Modified Type 'C' Catch Basin
** Polydrain Basin Or Approved Equal



- NOTE: All Concrete to be 4000 PSI Type II Cement
- NOTES:
1. Pipe Shall be Perforated Corrugated H.D.P.E. Pipe Manufactured By Advanced Drainage Systems, Inc. or Approved Equal
 2. Pipes Shall Terminate 2 Feet from End of Trench or Connect to Additional Catch Basin As Required.
 3. Presumed Average Wet Season Water Levels = 0.5 INAVD
 4. Cover Pipe Ends With ADS, Inc. Approved HDPE Screens.
 5. Ballast Rock Shall be Fresh Water Washed and Free of Deleterious Matter.
 6. Sides Ends And Top Of Trench To Be Lined With Mirafi 700X Filter Fabric Or Equal. Overlap Trench Lining Material A Minimum of Three (3) Feet at Top.
 7. All ADS Connections To Structures Must Have "ADS Water Stop"
 8. All Grates Shall Have Bolt & Chain According To City Specs.

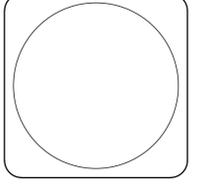
MANHOLE AND EXFILTRATION TRENCH DETAIL



POLLUTION RETARDANT BAFFLE DETAIL



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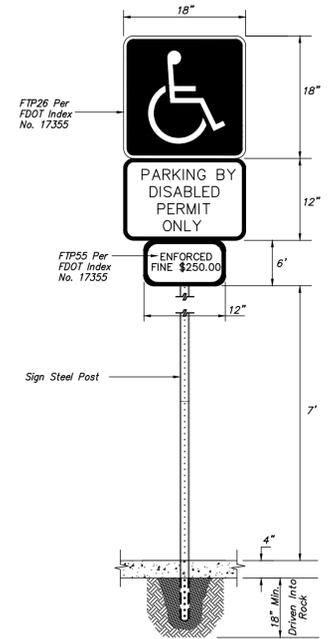
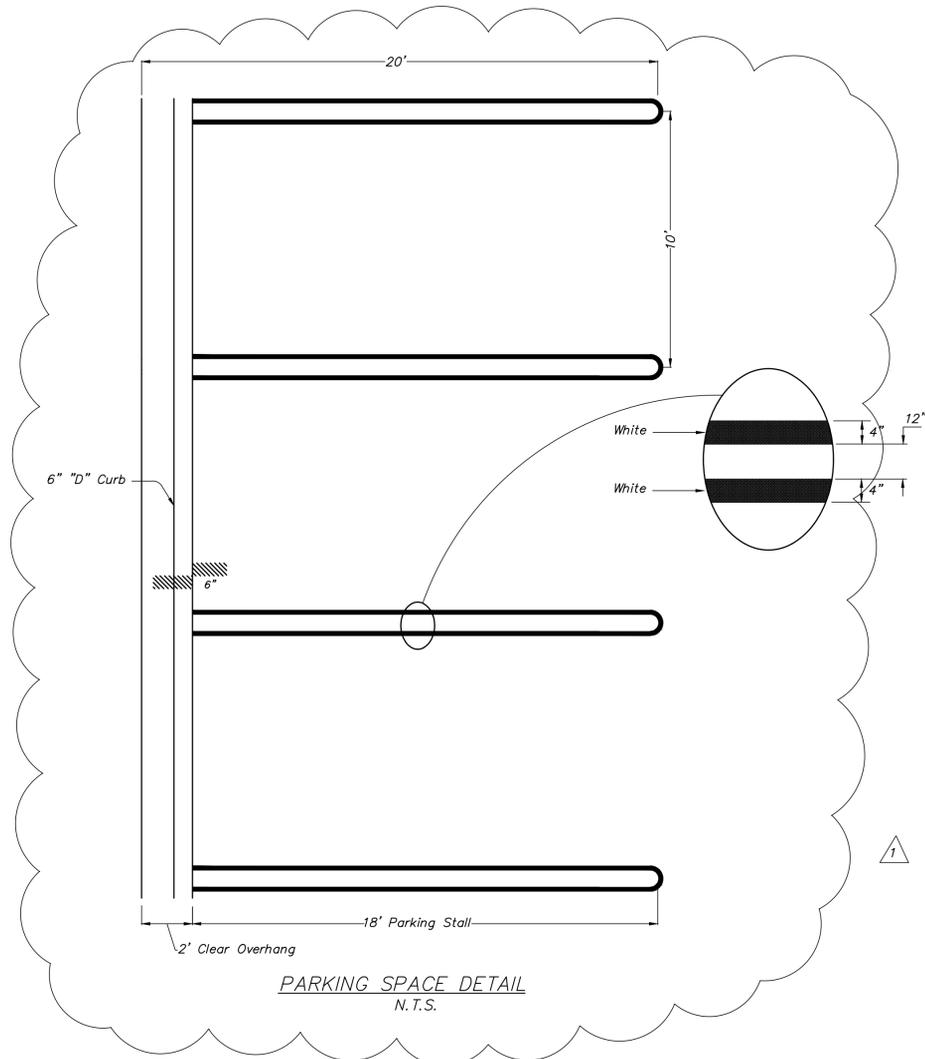
Jeffrey S. Crews, PE

ALSDORF PARK
BOAT RAMP
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POMPANO BEACH, FLORIDA

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216700166
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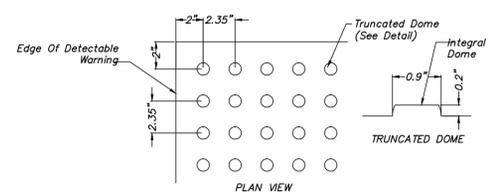
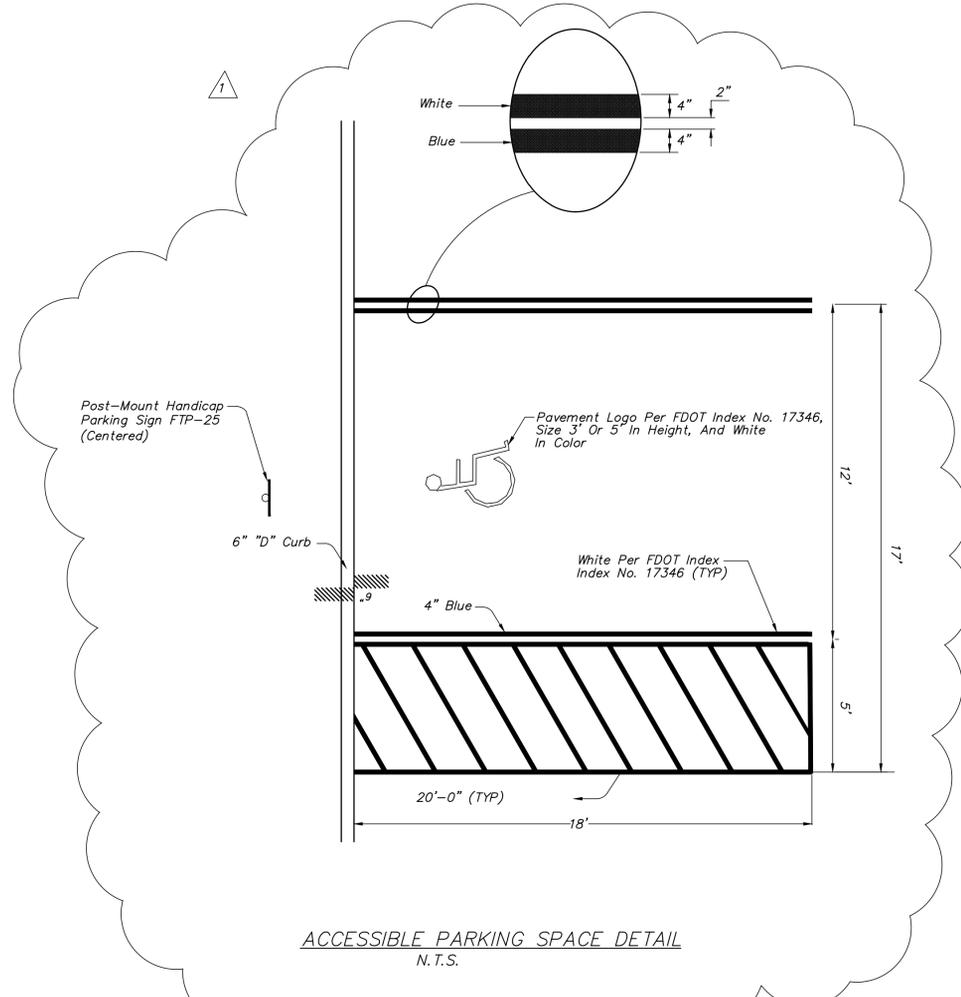
DATE : 8/25/14
ISSUE/REVISIONS
▲ 8/25/14 DRC Comm.
▲ 3/23/15 Planning/Zoning

SHEET TITLE
PAVING, GRADING
AND DRAINAGE
DETAILS
SHEET NUMBER
C-4



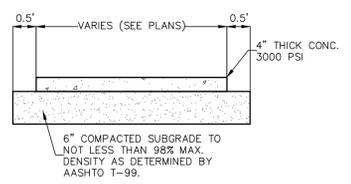
NOTE:

- Top portion of FTP-26 shall have a reflective blue background with white reflective symbol and border.
- Bottom portion shall have a reflective white background with black opaque legend and border.
- Min. 7" from top of pavement to bottom of sign. (Typ.)



NOTES:

- Tactile Warning Shall Be Yellow Colored To Meet ADA Requirements
- Tactile Warning Shall Extend A Minimum Of 36" Away From Hazardous Area



1. TOOLED JOINTS TO OCCUR AT INTERVALS EQUAL TO WIDTH OF SIDEWALK (5' O.C. MAX.)

2. SIDEWALK TO HAVE BROOM FINISH PERPENDICULAR TO PATH OF TRAVEL.

3. EXPANSION JOINT WITH PREFORMED COMPOUND EVERY 20' O.C.

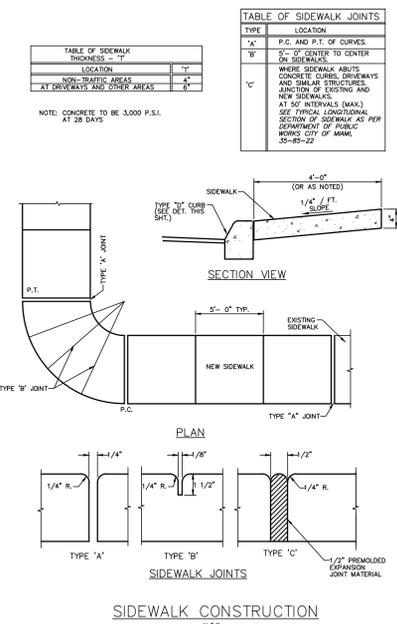
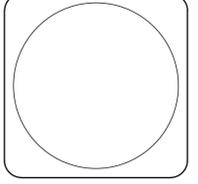


TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
"X"	P.C. AND P.T. OF CURVES
"Y"	2'-0" CENTER TO CENTER DR. SIDEWALKS
"Z"	WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS AND SIMILAR STRUCTURES
"V"	SECTION 16.03.01.01 AND NEW SIDEWALKS (MAX.) AT 50' INTERVALS (MAX.) SEE TYPICAL LONGITUDINAL SECTION OF SIDEWALK AS PER DEPARTMENT OF PUBLIC WORKS CITY OF MIAMI 35-85-22

NOTE: CONCRETE TO BE 3,000 P.S.I. AT 28 DAYS



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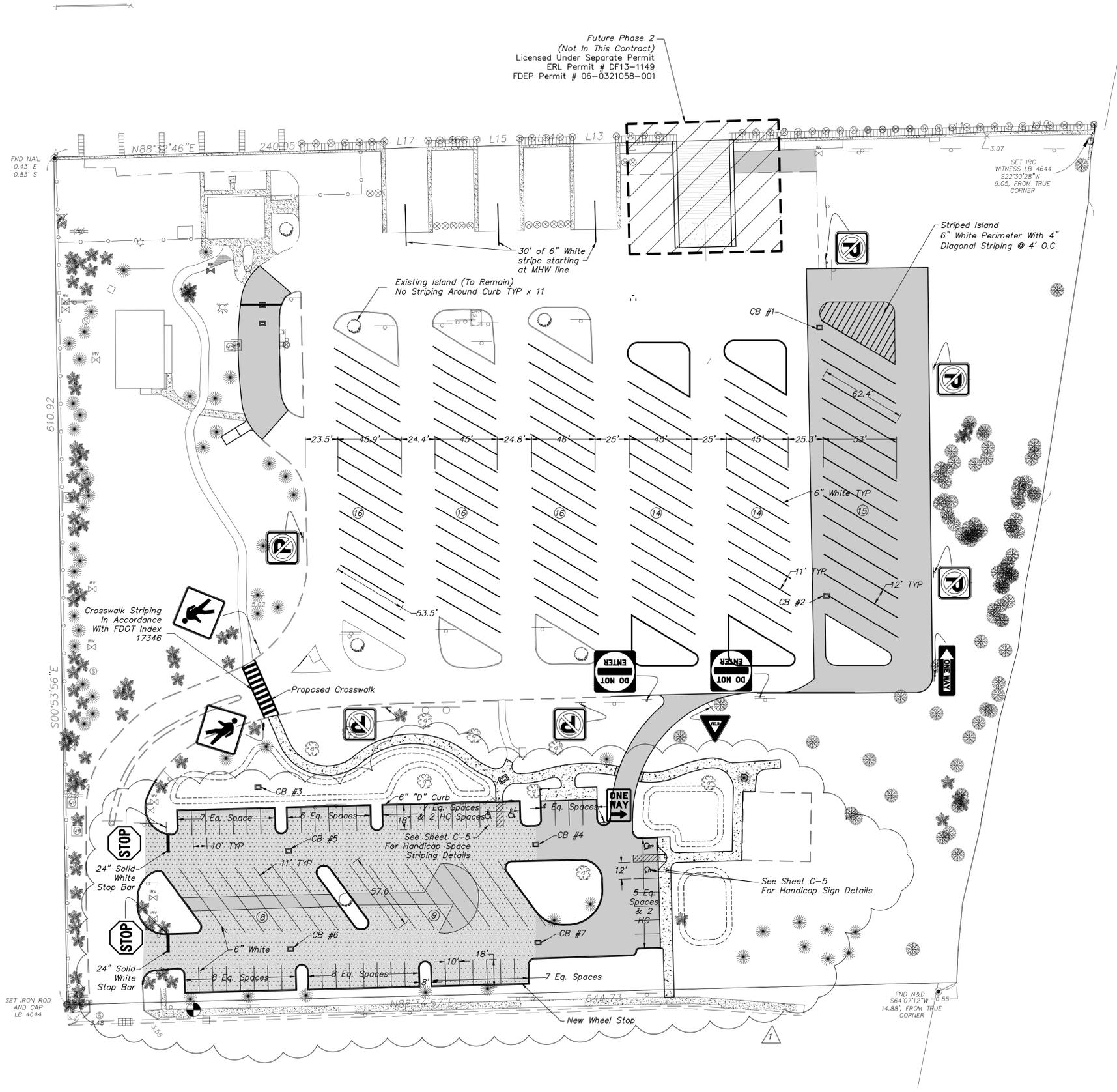
DATE : 8/25/14

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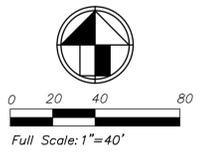
1/ 8/25/14 DRC Comm.

2/ 3/23/15 Planning/Zoning

SHEET TITLE
PAVING AND
GRADING DETAILS
SHEET NUMBER
C-5



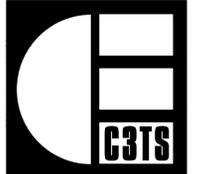
Future Phase 2
(Not In This Contract)
Licensed Under Separate Permit
ERL Permit # DF13-1149
FDEP Permit # 06-0321058-001



LEGEND

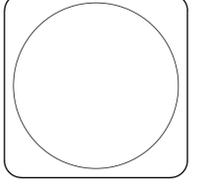
-  New Pavement Construction
-  Pavement Resurfacing
-  New Sidewalk
-  New Catch Basin
-  -8 Eq. Space
-  Number Of Parking Spaces

Note:
1. Passenger Vehicular Spaces Shall Have Double Striping In Accordance With City Standards See Detail Sheet C-5



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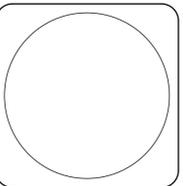
SHEET TITLE
STRIPING PLAN
SHEET NUMBER
C-6



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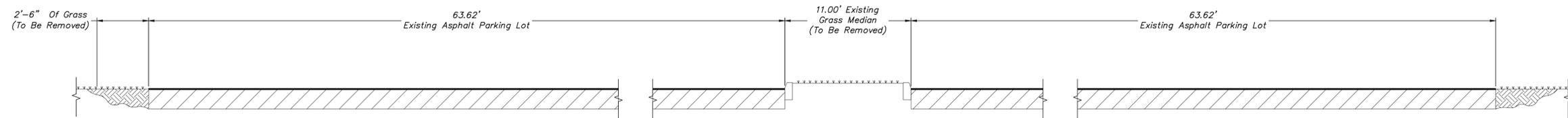
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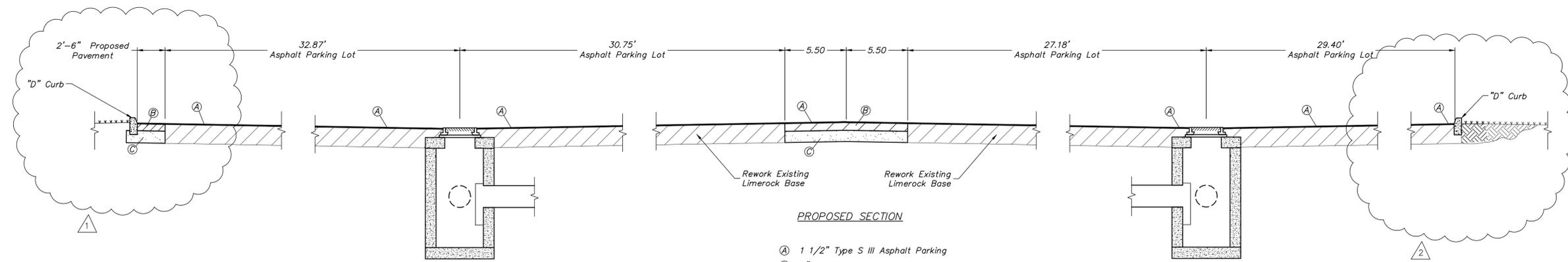
TYPICAL SECTIONS

SHEET NUMBER

C-7



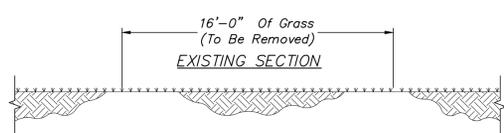
EXISTING SECTION



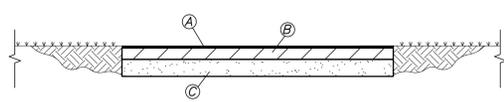
PROPOSED SECTION

- Ⓐ 1 1/2" Type S III Asphalt Parking
- Ⓑ 8" Limerock Base
- Ⓒ 12" Compacted Subgrade

Ⓐ PARKING LOT SECTION N.T.S.



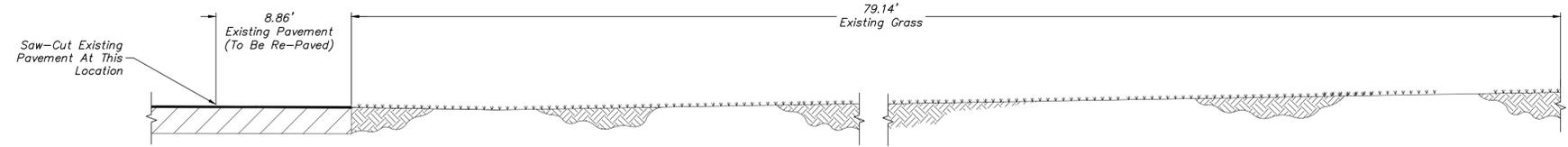
EXISTING SECTION



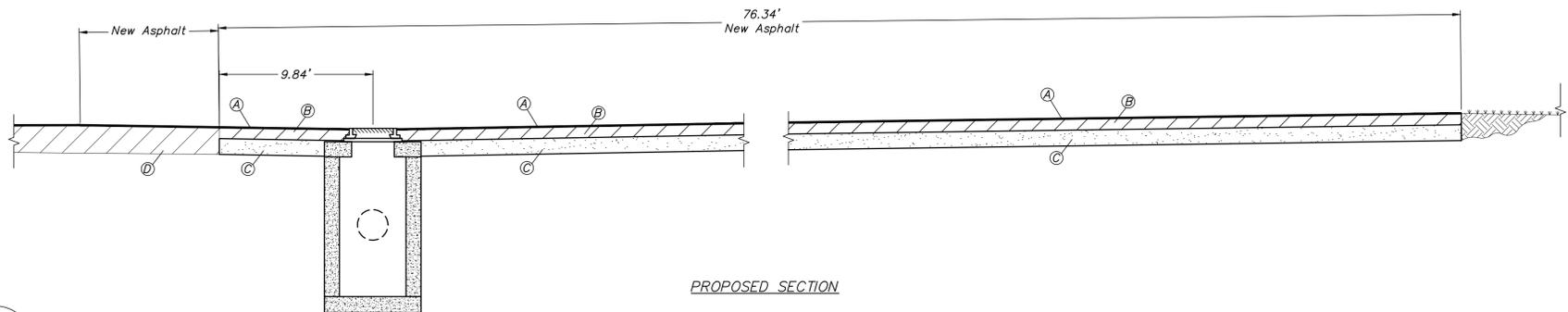
PROPOSED SECTION

- Ⓐ 1 1/2" Type S III Asphalt Parking
- Ⓑ 8" Limerock Base
- Ⓒ 12" Compacted Subgrade

Ⓑ DRIVEWAY SECTION N.T.S.



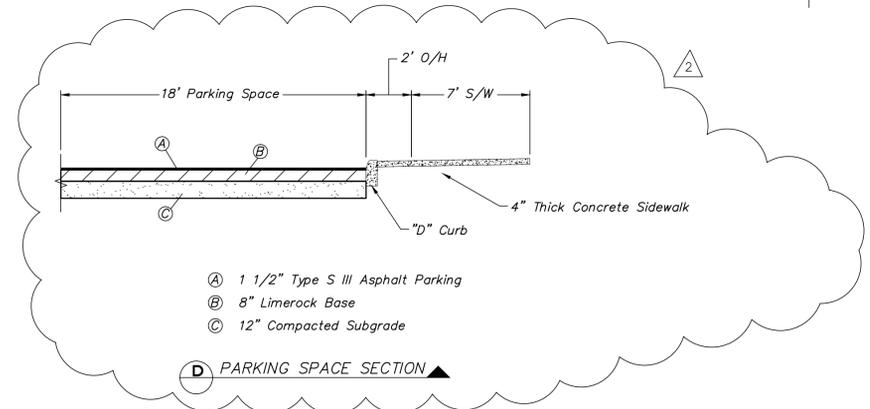
EXISTING SECTION



PROPOSED SECTION

- Ⓐ 1 1/2" Type S III Asphalt Parking
- Ⓑ 8" Limerock Base
- Ⓒ 12" Compacted Subgrade
- Ⓓ Existing Base (To Remain)

Ⓒ PARKING LOT SECTION



- Ⓐ 1 1/2" Type S III Asphalt Parking
- Ⓑ 8" Limerock Base
- Ⓒ 12" Compacted Subgrade

Ⓓ PARKING SPACE SECTION

NPDES
Stormwater Pollution Prevention Plan (SWPPP)

THE CONTRACTOR IS REQUIRED TO ADHERE TO THE REQUIREMENT OF THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES). THE CONTRACTOR SHALL INSTITUTE BEST MANAGEMENT PRACTICES (BMPs) TO ENSURE COMPLIANCE WITH THE NPDES PROGRAM AND TO MINIMIZE THE IMPACT TO PUBLIC STORMWATER FACILITIES. A NOTICE OF INTENT (NOI) SHALL BE FILED PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES.

PRIOR TO CONSTRUCTION, A SILT FENCE IN ACCORDANCE WITH FDOT INDEX 102 (LATEST VERSION) TYPE III SILT FENCE WILL BE ERECTED ALONG OF THE PERIMETER OF THE CONSTRUCTION SITE AS SHOWN.

ALL EXISTING CATCH BASINS WILL HAVE THEIR INLETS PROTECTED BY THE INSTALLATION OF FILTER FABRIC INTO THE FRAME AND GRATE.

THIS SILT FENCING AND FILTER FABRIC WILL REMAIN IN PLACE DURING THE ENTIRE DURATION OF CONSTRUCTION.

CONTRACTOR WILL BRACE ALL EXISTING LANDSCAPING TO REMAIN PRIOR TO BEGINNING ANY WORK AND WILL ENSURE THEIR STABILIZATION THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS. EXISTING SOD DISTURBED BY CONSTRUCTION THAT IS NOT AFFECTED BY PROPOSED GRADING WILL BE RESTORED TO ITS ORIGINAL STATE UPON COMPLETION OF CONSTRUCTION. SODDED SLOPES STEEPER THAN 4 HORIZONTAL TO 1 VERTICAL WILL BE PEGGED.

ALL WASTE GENERATED FROM THE CONSTRUCTION SHALL BE DISCARDED IN ACCORDANCE WITH ALL APPLICABLE STATE, LOCAL, AND FEDERAL REGULATIONS. CONTRACTOR IS TO OBTAIN ALL APPLICABLE CODES AND BECOME FAMILIAR WITH STATE, LOCAL AND FEDERAL REGULATIONS PRIOR TO BEGINNING CONSTRUCTION. REGULATIONS CAN BE FOUND, BUT NOT LIMITED TO, DEPARTMENT OF ENVIRONMENTAL RESOURCE MANAGEMENT AND DEPARTMENT OF ENVIRONMENTAL PROTECTION.

TO ENSURE THAT OFF-SITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST IS MINIMIZED, CONTRACTOR IS TO PUT INTO PRACTICE THE METHODS DETAILED IN FDOT INDEX 106 (LATEST VERSION).

DUST GENERATED FROM CONSTRUCTION WILL BE MINIMIZED.

AT ANY TIME DURING CONSTRUCTION THAT THE SILT FENCING IS DISTURBED, THE SILT FENCING WILL BE RESTORED TO ITS ORIGINAL STATE WITHIN 24 HOURS. AT NO TIME DURING CONSTRUCTION SHALL WORK BE PERFORMED WITHOUT THE INTEGRITY OF THE SILT FENCING SECURED.

A QUALIFIED INSPECTOR, PROVIDED BY THE OPERATOR, SHALL INSPECT ALL POINTS OF DISCHARGE INTO SURFACE WATER. THE INSPECTION WILL OCCUR AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER. INSPECTION INCLUDES THE WRITTEN RECORDING OF THE CONDITION OF ALL DISCHARGE POINTS, INTEGRITY OF SILT FENCING, DAILY DUST CONTROL MEASURES, VEHICULAR TRAFFIC AND CONSTRUCTION MATERIAL STORAGE AND DISPOSAL. WRITTEN RECORD OF ALL INSPECTIONS WILL BE STORED BY THE OPERATOR DURING CONSTRUCTION.

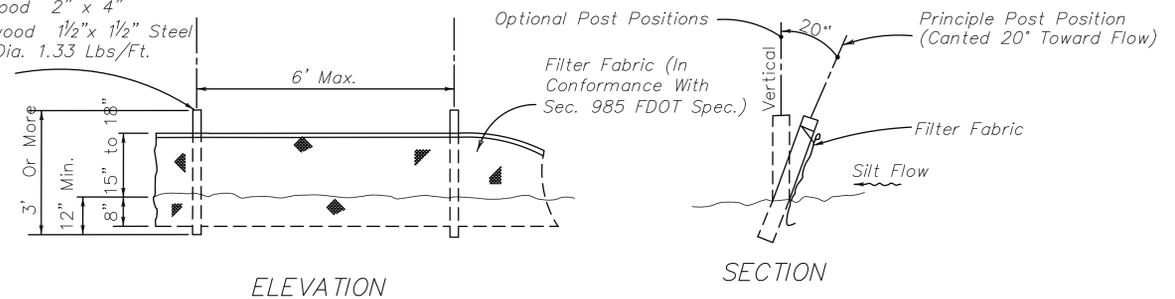
THE INSPECTION REPORT WILL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING INFORMATION: NAME AND QUALIFICATION OF PERSONNEL MAKING THE INSPECTION, DATE OF INSPECTION, RAINFALL DATA, MAJOR OBSERVATIONS RELATING TO THE SWPPP, ACTIONS TAKEN BY CONTRACTOR AND ANY INCIDENT OF NONCOMPLIANCE WITH PERMIT. WHERE AN INSPECTION DOES NOT IDENTIFY ANY INCIDENT OF NONCOMPLIANCE, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE SWPPP AND THE PERMIT.

THE PERMITTEE SHALL RETAIN A COPY OF THE SWPPP AND ALL REPORTS, RECORDS AND DOCUMENTATION REQUIRED BY THE PERMIT AT THE CONSTRUCTION SITE, OR AN APPROPRIATE ALTERNATIVE LOCATION AS SPECIFIED IN THE NOTICE OF INTENT, FROM THE DATE OF PROJECT INITIATION TO THE DATE OF FINAL STABILIZATION. THE PERMITTEE SHALL RETAIN COPIES OF SWPPP AND ALL REPORTS REQUIRED BY THIS PERMIT, AND RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THE PERMIT, FOR A PERIOD OF AT LEAST THREE (3) YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED.

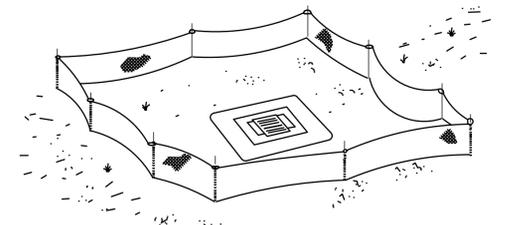
Post Options:

Softwood 2 1/2" Diam.
Softwood 2" x 4"

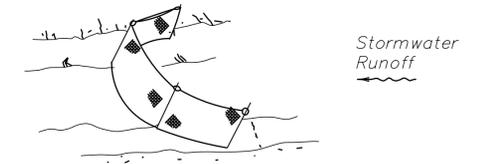
Hardwood 1 1/2" x 1 1/2" Steel
Min. Dia. 1.33 Lbs/Ft.
Min.)



TYPE III SILT FENCE



Type III Silt Fence Protection
Around Ditch Bottom Inlets.



Note: Spacing for Type III Fence to be in
accordance with Index 102, Sheet 3 of 3

Type III Silt Fence

Do not deploy in a manner that silt fences will act as a dam across permanent flowing watercourses. Silt fences are to be used at upland locations and turbidity barriers used at permanent bodies of water.

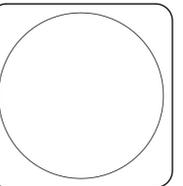
SILT FENCE APPLICATIONS



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Jeffrey S. Crews, PE

ALSDORF PARK
BOAT RAMP

2901 NORTHEAST 14th STREET
POMPANO BEACH, FLORIDA

JOB NUMBER

216700166

FILE No. :

DRAWN : M.O.A

REVIEWED : J.S.C.

CHECKED : J.S.C.

DATE : 8/25/14

ISSUE/REVISIONS

Δ 8/25/14 DRC Comm.

Δ 3/23/15 Planning/Zoning

SHEET TITLE

SWPPP GENERAL
NOTES

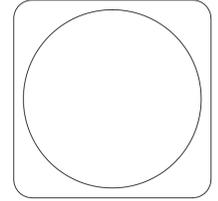
SHEET NUMBER

SWP-1



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Harry L. Belton, RLA

**ALSDORF PARK
BOAT RAMP**

2901 NORTHEAST 14th STREET
POMPANO BEACH, FLORIDA

JOB NUMBER
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FILE No. :

DRAWN : J.L.K.
REVIEWED: D.W.L.
CHECKED : H.L.B.

DATE : **8/25/14**

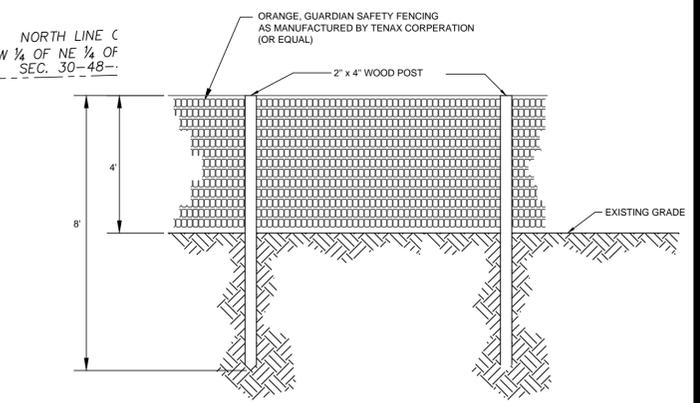
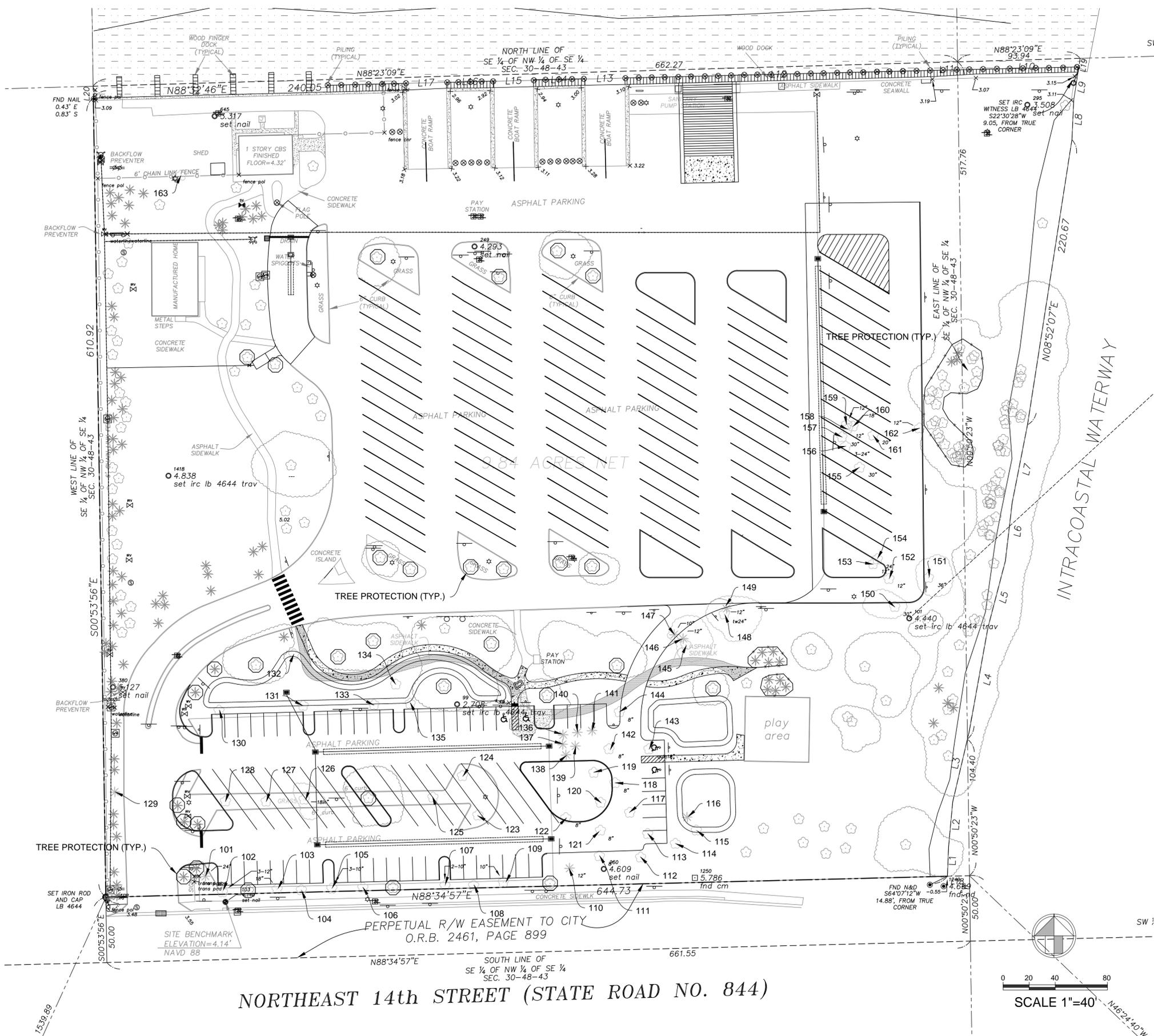
ISSUE/REVISIONS

△ 8/25/14 DRC Comm.
△ 8/25/14 Planning/Zoning

SHEET TITLE
**TREE
DISPOSITION
PLAN**

SHEET NUMBER

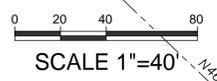
L-1



TREE PROTECTION BARRIER

THIS BARRIER SHALL BE PLACED AROUND TREES OR PALMS DESIGNATED TO REMAIN, AT A DISTANCE OF SIX FEET FROM THE TRUNK OR 25% OF THE DISTANCE TO DRIP LINE OF THE TREE, WHICHEVER IS GREATER. CONTRACTOR IS RESPONSIBLE TO MAINTAIN TREES DURING CONSTRUCTION TO REMAIN IN A HEALTHY CONDITION.

TREE DISPOSITION TABLE				
TREE #	BOTANICAL NAME	COMMON NAME	SIZE	DISPOSITION
101	BISMARCKIA NOBILIS	BISMARCK PALM	8' CT	REMOVE
102	SCHEFFLERA ACTINOPHYLLA	UMBRELLA TREE	12" DBH	REMOVE
103	SCHEFFLERA ACTINOPHYLLA	UMBRELLA TREE	18" DBH	REMOVE
104	CORDIA SEBESTANA	ORANGE GEIGER	1.5" DBH	REMOVE
105	SCHEFFLERA ACTINOPHYLLA	UMBRELLA TREE	10" DBH	REMOVE
106	CORDIA SEBESTANA	ORANGE GEIGER	2" DBH	REMOVE
107	SCHEFFLERA ACTINOPHYLLA	UMBRELLA TREE	8" DBH	REMOVE
108	CORDIA SEBESTANA	ORANGE GEIGER	1.5" DBH	REMOVE
109	SCHEFFLERA ACTINOPHYLLA	UMBRELLA TREE	8" DBH	REMOVE
110	SABAL PALMETTO	SABAL PALM	12' CT	RELOCATE
111	BURSERIA SIMARUBA	GUMBO LIMBO	8" DBH	RELOCATE
112	QUERCUS VIRGINIANA	LIVE OAK	6" DBH	RELOCATE
113	QUERCUS VIRGINIANA	LIVE OAK	6" DBH	RELOCATE
114	QUERCUS VIRGINIANA	LIVE OAK	6" DBH	RELOCATE
115	QUERCUS VIRGINIANA	LIVE OAK	6" DBH	RELOCATE
116	COCOS NUCIFERA	COCONUT PALM	24' CT	RELOCATE
117	QUERCUS VIRGINIANA	LIVE OAK	6" DBH	RELOCATE
118	BURSERIA SIMARUBA	GUMBO LIMBO	8" DBH	RELOCATE
119	BURSERIA SIMARUBA	GUMBO LIMBO	8" DBH	RELOCATE
120	BURSERIA SIMARUBA	GUMBO LIMBO	8" DBH	RELOCATE
121	BURSERIA SIMARUBA	GUMBO LIMBO	8" DBH	RELOCATE
122	BURSERIA SIMARUBA	GUMBO LIMBO	8" DBH	RELOCATE
123	QUERCUS VIRGINIANA	LIVE OAK	6" DBH	RELOCATE
124	QUERCUS VIRGINIANA	LIVE OAK	6" DBH	RELOCATE
125	QUERCUS VIRGINIANA	LIVE OAK	6" DBH	RELOCATE
126	BUCIDA BUCERAS	BLACK OLIVE	18" DBH	REMOVE
127	QUERCUS VIRGINIANA	LIVE OAK	6" DBH	RELOCATE
128	QUERCUS VIRGINIANA	LIVE OAK	6" DBH	RELOCATE
129	ROYSTONIA REGIA	ROYAL PALM	20' GW	REMOVE
130	QUERCUS VIRGINIANA	LIVE OAK	6" DBH	RELOCATE
131	QUERCUS VIRGINIANA	LIVE OAK	6" DBH	RELOCATE
132	CALLISTEMON VIMINALIS	BOTTLEBRUSH	12" DBH	REMOVE
133	QUERCUS VIRGINIANA	LIVE OAK	6" DBH	REMOVE
134	QUERCUS VIRGINIANA	LIVE OAK	6" DBH	RELOCATE
135	QUERCUS VIRGINIANA	LIVE OAK	6" DBH	RELOCATE
136	PTYCHOSPERMA ELEGANS	SOLITAIRE PALM	14' GW	RELOCATE
137	PTYCHOSPERMA ELEGANS	SOLITAIRE PALM	10' GW	RELOCATE
138	PTYCHOSPERMA ELEGANS	SOLITAIRE PALM	14' GW	RELOCATE
139	PTYCHOSPERMA ELEGANS	SOLITAIRE PALM	10' GW	RELOCATE
140	PTYCHOSPERMA ELEGANS	SOLITAIRE PALM	14' GW	RELOCATE
141	PTYCHOSPERMA ELEGANS	SOLITAIRE PALM	14' GW	RELOCATE
142	BURSERIA SIMARUBA	GUMBO LIMBO	8" DBH	RELOCATE
143	BURSERIA SIMARUBA	GUMBO LIMBO	8" DBH	RELOCATE
144	BURSERIA SIMARUBA	GUMBO LIMBO	8" DBH	RELOCATE
145	CASUARINA EQUISETIFOLIA	AUSTRALIAN PINE	36" DBH	REMOVE
146	SABAL PALMETTO	SABAL PALM	8' CT	REMOVE
147	SABAL PALMETTO	SABAL PALM	14' CT	REMOVE
148	CASUARINA EQUISETIFOLIA	AUSTRALIAN PINE	24" DBH	REMOVE
149	SABAL PALMETTO	SABAL PALM	14' CT	REMOVE
150	CASUARINA EQUISETIFOLIA	AUSTRALIAN PINE	30" DBH	REMOVE
151	CASUARINA EQUISETIFOLIA	AUSTRALIAN PINE	36" DBH	REMOVE
152	CASUARINA EQUISETIFOLIA	AUSTRALIAN PINE	12" DBH	REMOVE
153	CASUARINA EQUISETIFOLIA	AUSTRALIAN PINE	10" DBH	REMOVE
154	CASUARINA EQUISETIFOLIA	AUSTRALIAN PINE	24" DBH	REMOVE
155	CASUARINA EQUISETIFOLIA	AUSTRALIAN PINE	30" DBH	REMOVE
156	CASUARINA EQUISETIFOLIA	AUSTRALIAN PINE	24" DBH	REMOVE
157	CASUARINA EQUISETIFOLIA	AUSTRALIAN PINE	30" DBH	REMOVE
158	CASUARINA EQUISETIFOLIA	AUSTRALIAN PINE	12" DBH	REMOVE
159	CASUARINA EQUISETIFOLIA	AUSTRALIAN PINE	12" DBH	REMOVE
160	CASUARINA EQUISETIFOLIA	AUSTRALIAN PINE	18" DBH	REMOVE
161	CASUARINA EQUISETIFOLIA	AUSTRALIAN PINE	20" DBH	REMOVE
162	CASUARINA EQUISETIFOLIA	AUSTRALIAN PINE	12" DBH	REMOVE
163	SCHEFFLERA ACTINOPHYLLA	UMBRELLA TREE	12" DBH	REMOVE

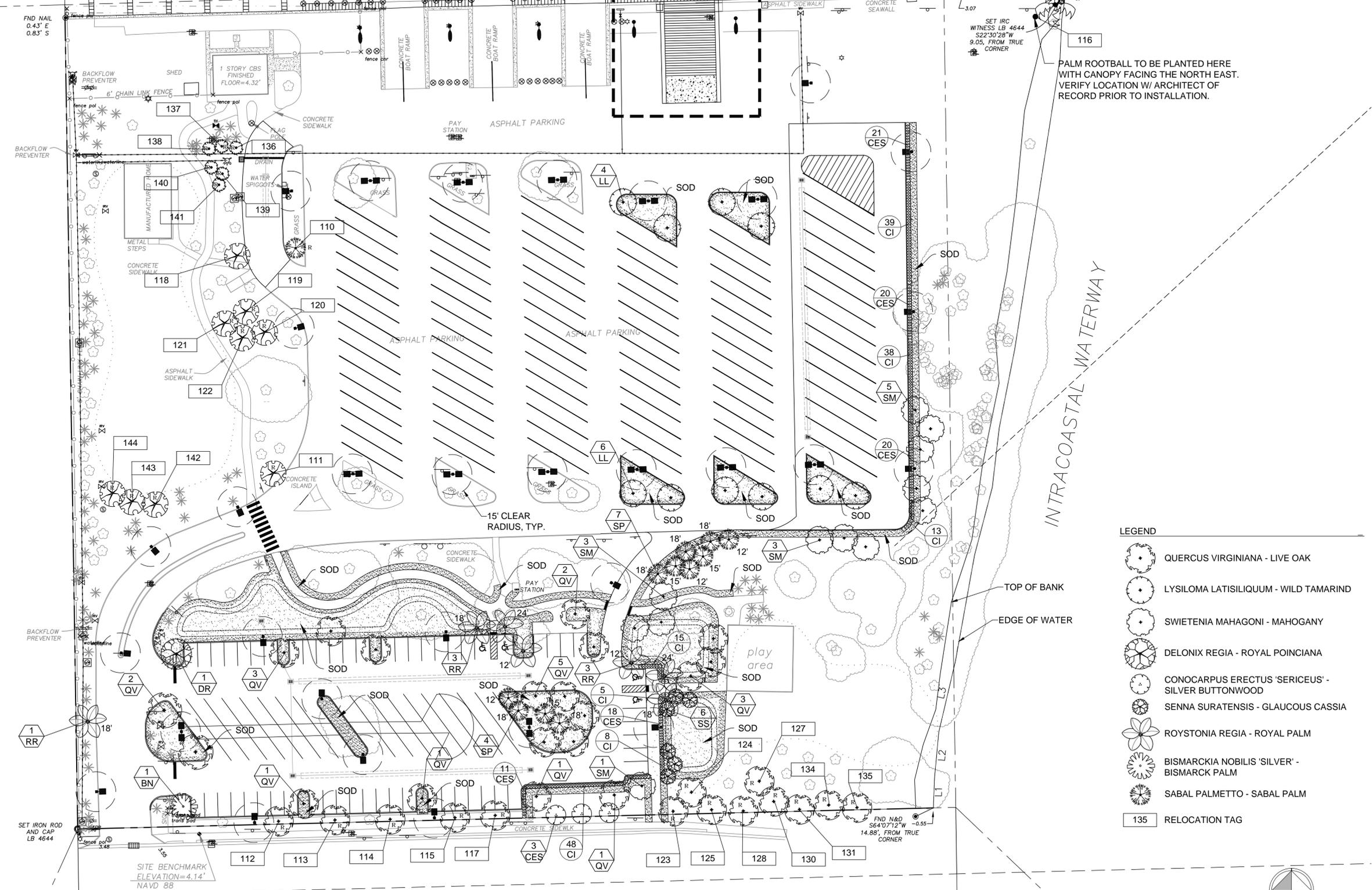


NORTHEAST 14th STREET (STATE ROAD NO. 844)

EXISTING CANAL

PHASE 2 (NOT IN CONTRACT)

NORTH LINE OF SE 1/4 OF NW 1/4 OF SE 1/4 SEC. 30-48-43



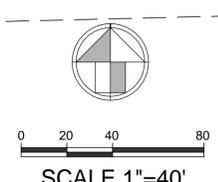
INTRACOASTAL WATERWAY

TOP OF BANK

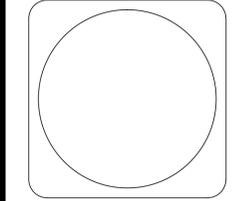
EDGE OF WATER

NORTHEAST 14th STREET (STATE ROAD NO. 844)

- LEGEND**
- QUERCUS VIRGINIANA - LIVE OAK
 - LYSILOMA LATISILIQUUM - WILD TAMARIND
 - SWIETENIA MAHAGONI - MAHOGANY
 - DELONIX REGIA - ROYAL POINCIANA
 - CONOCARPUS ERECTUS 'SERICEUS' - SILVER BUTTONWOOD
 - SENNA SURATENSIS - GLAUCOUS CASSIA
 - ROYSTONIA REGIA - ROYAL PALM
 - BISMARCKIA NOBILIS 'SILVER' - BISMARCK PALM
 - SABAL PALMETTO - SABAL PALM
 - 135 RELOCATION TAG



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Harry L. Belton, RLA

**ALSDORF PARK
BOAT RAMP**
2901 NORTHEAST 14th STREET
POMPANO BEACH, FLORIDA

JOB NUMBER
216700166
FILE No. :
DRAWN : J.L.K.
REVIEWED : D.W.L.
CHECKED : H.L.B.

DATE : 8/25/14
ISSUE/REVISIONS

△	8/25/14	DRC Comm.
△	8/25/14	Planning/Zoning

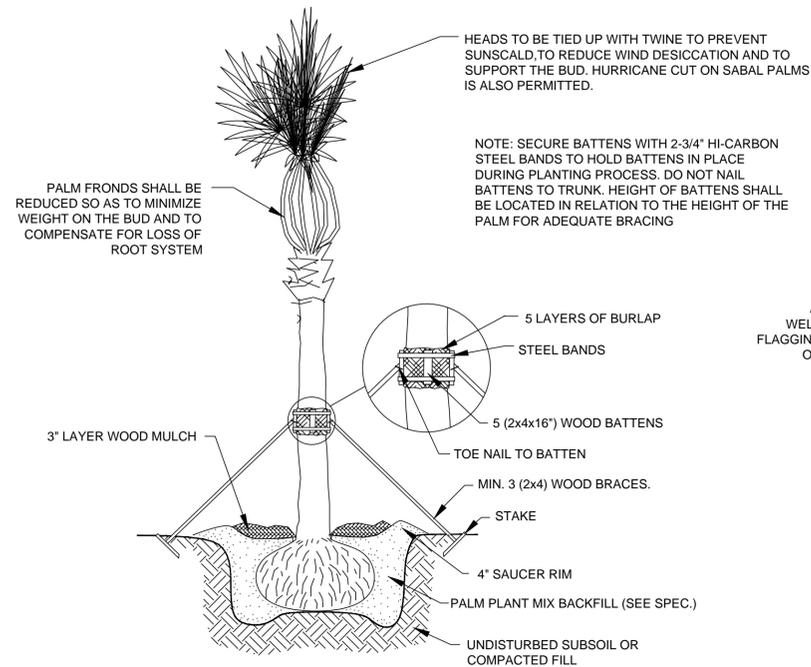
SHEET TITLE
**LANDSCAPE
PLAN**
SHEET NUMBER
L-2

LANDSCAPE NOTES

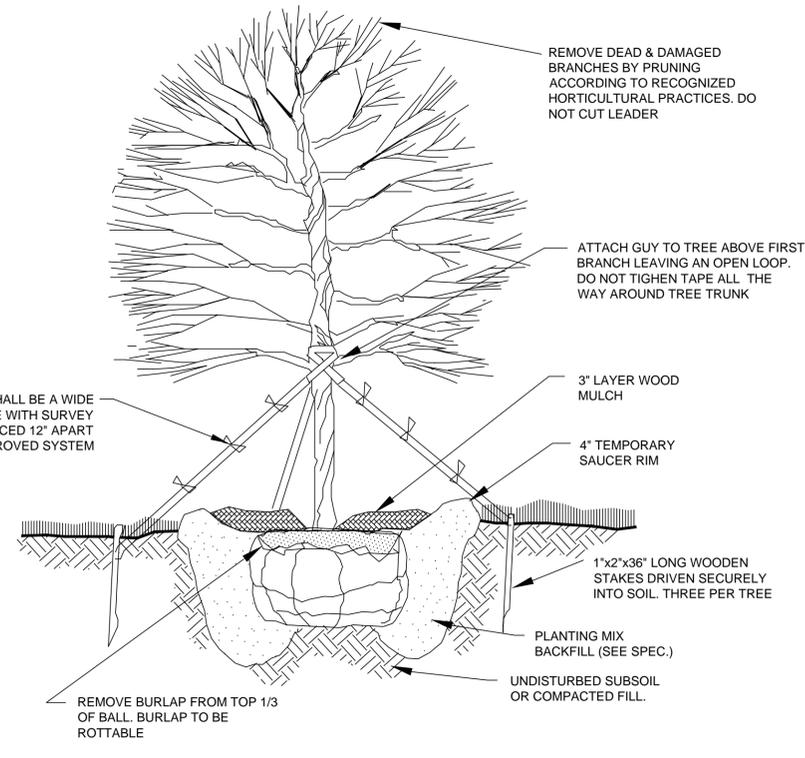
- ALL PLANTING TO CONFORM TO ALL APPLICABLE CODES AND ORDINANCES OF THE CITY OF POMPANO BEACH.
- ABOVE AND BELOW GRADE UTILITY LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORK. IF UTILITY CONFLICTS BECOME EVIDENT, THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER FOR ANY NECESSARY ADJUSTMENTS. WHEN WORKING IN AREAS WHERE UTILITIES ARE KNOWN TO EXIST, UTILITY LOCATIONS MAY NEED TO STAKED BY A SURVEYOR OR UTILITY COMPANY. THE CONTRACTOR HAS THE OPTION TO CALL 'SUNSHINE ONE CALL' AT 1-800-432-4770 TO SCHEDULE LOCATION OF UTILITIES THAT SUBSCRIBE TO THEIR SERVICE.
- THE CONTRACTOR SHALL REMOVE ALL LIMEROCK, LOOSEN COMPACTED SUBGRADE, AND BACKFILL WITH PLANTING MIX, IN ALL PARKING LOT ISLANDS BEFORE INSTALLING ANY PLANT MATERIAL.
- IT WILL BE THE SOLE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO INSURE THAT ALL NEW PLANTING RECEIVE ADEQUATE WATER DURING INSTALLATION AND THROUGHOUT THE PLANT WARRANTEE PERIODS. DEEP WATERING OF ALL NEW PLANTS AND ANY SUPPLEMENTARY WATERING THAT MAY BE REQUIRED TO AUGMENT NATURAL RAINFALL OR SITE IRRIGATION IS MANDATORY TO INSURE PROPER PLANT DEVELOPMENT AND SHALL BE PROVIDED AS PART OF THIS CONTRACT. THE LANDSCAPE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES ON THIS PROJECT.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR HOLDING THE FINE GRADING OF PLANTING AREAS TO INSURE AT LEAST 3% POSITIVE DRAINAGE AWAY FROM BUILDINGS AND INTO TURF AREAS, PONDS, STREETS OR OTHER DRAINAGE WAYS. TURF AND PLANTING BEDS SHALL MEET SIDEWALKS AND FLATWORK AT 2" BELOW THE FLATWORK.
- ROOT PRUNE PROTECTED TREES ON THE SIDE OF THE TREE TOWARDS PROPOSED PAVING OR EARTHWORK. PRUNING OF EXISTING TREES AS FIELD DIRECTED BY OWNER'S REPRESENTATIVE SHALL BE CONDUCTED UNDER THE DIRECT SUPERVISION OF A CERTIFIED ARBORIST IN THE FIELD.
- LANDSCAPE CONTRACTOR SHALL REPAIR, RELOCATE AND/OR REPLACE ANY DAMAGED OR REMOVED LANDSCAPE AFFECTED BY CONSTRUCTION AND NOT DELINEATED ON THE DEMOLITION PLANS. CONTRACTOR SHALL OBTAIN APPROVAL FROM OWNER'S REPRESENTATIVE PRIOR TO ANY REMEDIATION LANDSCAPE EFFORTS.
- DIMENSIONS SHOWN ON THE PLANS SHALL SUPERSEDE SCALED DIMENSIONS, IF NECESSARY THE CONTRACTOR SHALL REQUEST IN WRITING A CLARIFICATION OF DIMENSIONS FROM THE PROJECT ENGINEER.
- CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER OF ANY QUANTITY DISCREPANCIES BETWEEN SCHEDULE AND PLAN PRIOR TO CONSTRUCTION.
- SOD TO INCLUDE ALL DISTURBED AREAS THAT ARE NOT LANDSCAPED OR HARDSCAPED. CONTRACTOR SHALL CONFIRM SOD QUANTITY PRIOR TO BID.
- PLANT MATERIAL SHALL MEET OR EXCEED ALL SPECIFICATIONS REGARDING SIZING. IT MAY BE NECESSARY TO EXCEED SOME OF THE SPECIFICATIONS TO MEET THE MINIMUM REQUIREMENTS OF OTHERS.

RELOCATION NOTES

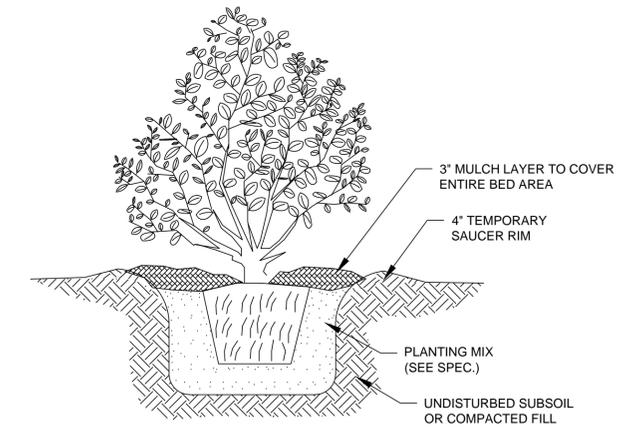
- ATTACH TREE IDENTIFICATION TAGS THAT MATCH THE PLAN NUMBERS. SUBMIT A SHOP DRAWING OF THE TAGGING METHOD TO THE LANDSCAPE ARCHITECT BEFORE THE PRE-CONSTRUCTION MEETING.
- INSTALL TREES WITHIN 24 HOURS OF REMOVAL FROM THEIR ORIGINAL LOCATION TO LOCATIONS PROVIDED IN THE PLANS.
- WATER THE ROOT ZONES TO FIELD CAPACITY FOR 5 CONTINUOUS DAYS BEFORE ROOT PRUNING.
- ROOT PRUNE 8 WEEKS BEFORE RELOCATION.
- ROOT PRUNE WITH EQUIPMENT TO SEVER ROOTS. ENSURE ROOTS ARE NOT TORN OR PULLED APART. SUBMIT ROOT PRUNING PROCEDURES BEFORE THE PRECONSTRUCTION MEETING.
- FORM A ROOTBALL SIZE IN COMPLIANCE WITH FLORIDA GRADES AND STANDARDS FLORIDA NUMBER ONE OR BETTER.
- MAINTAIN THE SOIL MOISTURE AT FIELD CAPACITY THROUGHOUT THE 8 WEEKS.
- BRACE ROOT PRUNED TREES AWAITING RELOCATION.
- MAINTAIN TREES IN A HEALTHY AND VIGOROUS CONDITION DURING INSTALLATION AND THROUGHOUT THE PLANT ESTABLISHMENT PERIOD. REPLACE TREES THAT DO NOT MEET THIS REQUIREMENT WITH THE SAME SPECIES, SIZE, AND QUALITY, OR BETTER.
- BRACE TREE ONCE RELOCATED PER DETAILS THIS SHEET.



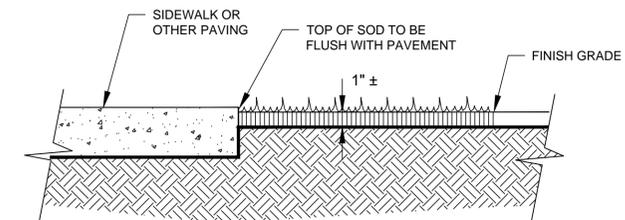
SINGLE TRUNK PALM
N.T.S.



TYPICAL TREE PLANTING
N.T.S.



TYPICAL SHRUB PLANTING
N.T.S.



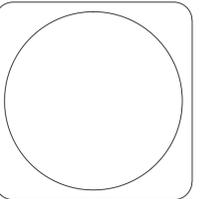
TYPICAL SOD PLANTING
N.T.S.

PLANT LIST					
KEY	SCIENTIFIC NAME	COMMON NAME	QTY.	SIZE	REMARKS
PALMS					
BN	BISMARCKIA NOBILIS 'SILVER'	BISMARCK PALM	1	8' CLEAR TRUNK	
RR	ROYSTONIA REGIA	ROYAL PALM	7	12'-24' GREY WOOD	HTS. AS NOTED ON PLAN
SP	SABAL PALMETTO	SABAL PALM	11	12'-18' CLEAR TRUNK	HTS. AS NOTED ON PLAN
TREES					
CES	CONOCARPUS ERECTUS 'SERICEUS'	SILVER BUTTONWOOD	3	10' HT. x 5' SPR.	1 1/2" CALIPER - STANDARD
DR	DELONIX REGIA	ROYAL POINCIANA	1	14' HT. x 6' SPR.	2" CALIPER
LL	LYSILOMA LATISILIQUUM	WILD TAMARIND	10	12' HT. x 6' SPR.	2" CALIPER
QV	QUERCUS VIRGINIANA	LIVE OAK	19	16' HT. x 6' SPR.	2 1/2" CALIPER
SS	SENNA SURATENSIS	GLAUCOUS CASSIA	6	10' HT. x 5' SPR.	1 1/2" CALIPER
SM	SWIETENIA MAHAGONI	MAHOGANY	12	14' HT. x 6' SPR.	2 1/2" CALIPER
SHRUBS					
CES	CONOCARPUS ERECTUS 'SERICEUS'	SILVER BUTTONWOOD	91	18" HT. x 16" SPR.	24" O.C.
CI	CHRYSOBALANUS ICACO 'RED TIP'	RED TIP COCOPLUM	166	18" HT. x 16" SPR.	24" O.C.
TURF					
SOD	STENOTAPHRUM SECUNDATUM	ST. AUGUSTINE 'FLORATAM'	3260 SY		



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BOAT RAMP**
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POMPANO BEACH, FLORIDA

JOB NUMBER

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CHECKED : H.L.B.

DATE : 8/25/14

ISSUE/REVISIONS

△ 8/25/14 DRG Comm.
△ 8/25/14 Planning/Zoning

SHEET TITLE

LANDSCAPE
NOTES + DETAILS

SHEET NUMBER

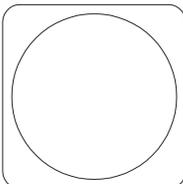
L-3



**GORZO
CASTELLA
CARBALLO
THOMPSON
SALMAN**

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Jeffrey S. Crews, PE

**ALSDORF PARK
BOAT RAMP**
2901 NORTHEAST 14th STREET
POMPANO BEACH, FLORIDA

JOB NUMBER
1628-013
FILE No. :

DRAWN : V.J.F.
REVIEWED : V.J.F.
CHECKED : V.J.F.

DATE : 10-29-13

ISSUE/REVISIONS

6/19/14	NEW SITE BASE
8/25/14	COORDINATION
4/09/15	P&Z REVIEW

SHEET TITLE

**SITE PHOTOMETRIC
PLAN**

SHEET NUMBER

PH-01



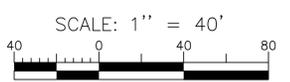
- PHOTOMETRIC NOTES:**
1. PARKING LOT CALCULATION POINTS ARE IN THE CENTER OF A 10' x 10' GRID IN A HORIZONTAL PLANE AT GRADE WITH METERS FACING UP.
 2. HORIZONTAL SPILL CALCULATION POINTS ARE IN A HORIZONTAL PLANE AT GRADE. VERTICAL SPILL POINTS ARE IN A VERTICAL PLANE WHERE SHOWN AT 3' ABOVE GRADE WITH METERS FACING INTO THE PROPERTY. METERS LOCATED AS SHOWN.
 3. ALL CALCULATIONS ARE MAINTAINED ILLUMINATION VALUES AND INCLUDE LIGHT LOSS DEPRECIATION FACTORS FOR DIRT, LAMP LUMENS AND TILT (IF APPLICABLE) FOR THE LAMPS AND FIXTURES SHOWN.
 4. CALCULATIONS DO NOT CONSIDER THE EFFECT OF BUILDINGS, TREES AND OTHER LANDSCAPING, ETC.
 5. THE PHOTOMETRIC PLAN IS FOR SITE APPROVAL AND IS NOT INTENDED AS AN ELECTRICAL CONSTRUCTION DRAWING.
 6. THE SYMBOL FOR POLE & FIXTURE IS SHOWN LARGER THAN ACTUAL FOR CLARITY.
 7. LIGHTING STANDARDS TO WITHSTAND WIND LOADING PER FLORIDA BUILDING CODE.
 8. CALCULATIONS ARE THE PRODUCT OF THE FIXTURES AND LOCATIONS INDICATED; CHANGES MAY AFFECT LIGHTING LEVELS AND REQUIRE RE-SUBMISSION AND APPROVAL OF PHOTOMETRIC CALCULATIONS.

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Max/Min
Entrance Road	Illuminance	Fc	2.51	6.5	1.0	6.50
Front Parking	Illuminance	Fc	2.64	9.7	1.2	8.08
Main Parking	Illuminance	Fc	2.76	12.6	1.1	11.45
Ramp 1	Illuminance	Fc	3.34	5.2	1.7	3.06
Ramp 2	Illuminance	Fc	3.39	5.2	1.8	2.89
Ramp 3	Illuminance	Fc	3.06	4.7	1.5	3.13
Ramp 4 (new)	Illuminance	Fc	2.55	4.8	1.1	4.36
Service Road	Illuminance	Fc	3.95	6.0	2.9	2.07
Spill Light	Illuminance	Fc	N.A.	0.2	0.0	N.A.
Spill South	Illuminance	Fc	0.28	0.6	0.1	N.A.
Spill Vertical	Illuminance	Fc	N.A.	0.4	0.0	N.A.

Luminaire Schedule

Symbol	Qty	Label	Arrangement	Lumens/Lamp	LfF	Description
□	9	A	SINGLE	38000	0.684	AS2 400M SR3 (PULSE START
□	12	B	BACK-BACK	38000	0.684	AS2 400M SR3 (PULSE START
□	5	C	SINGLE	25000	0.684	AS2 250M SR3 (PULSE START
□	4	C1	SINGLE	25000	0.684	AS2 250M SR3 IS (PULSE ST
□	1	C2	BACK-BACK	25000	0.684	AS2 250M SR5 (PULSE START
□	5	D	SINGLE	31000	0.680	125 40M SC R3 DG



Photometric data provided by the lighting manufacturer. Construction Consultants of Florida, Inc. makes no warranty, either expressed or implied, as to the accuracy of the photometric data, nor shall Construction Consultants be liable for the use of such data.

ELECTRICAL ENGINEER:
**CONSTRUCTION
CONSULTANTS OF
FLORIDA, Inc.**
EB 5351

CONSULTING ENGINEERS
1445 S.W. 21st Avenue
Fort Lauderdale, Florida
(954) 584-7904

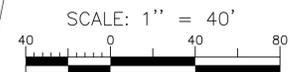
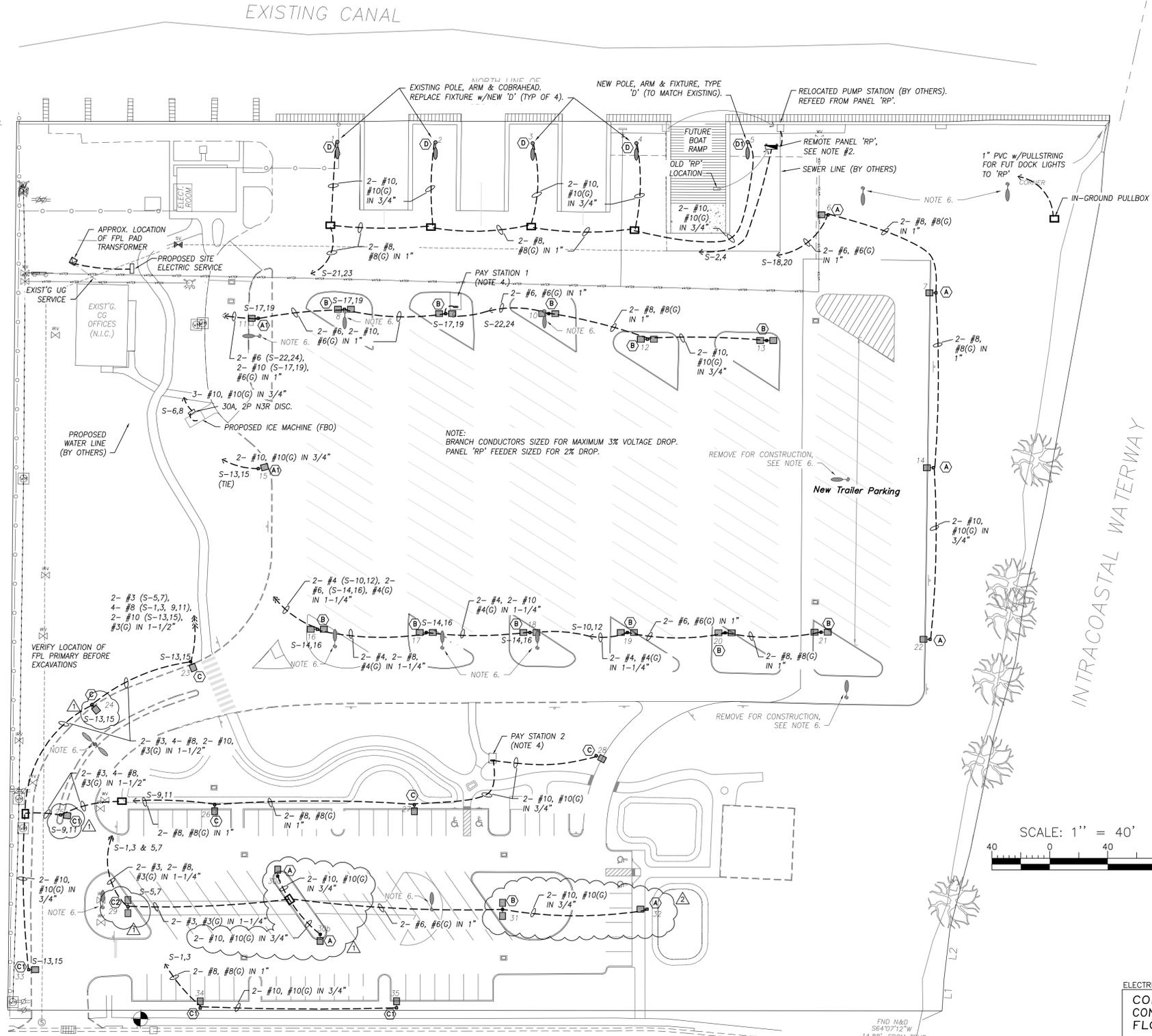
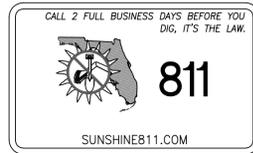
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ELECTRICAL LEGEND

- | | | | |
|--|--|--|-------------------------------|
| | DUPLEX RECPT. | | 3 WIRES (ARROW = HR) |
| | DBL-DUPLEX RECPT. | | EQ. GRND. WIRE |
| | UG PULL BOX | | S.P. SWITCH |
| | SQ. CONC. POLE | | WALL J-BOX |
| | RND. CONC. POLE | | MICROPHONE OUTLET |
| | ARM & (2) FIXTURES | | A.F.G. ABOVE FINISHED GRADE |
| | SINGLE SHOEBOX | | E.C. EMPTY CONDUIT |
| | SINGLE LUMINAIRE | | E.W.C. ELECTRIC WATER COOLER |
| | FLOOD LIGHT | | GFI GROUND FAULT PROT. |
| | POST TOP FIXTURE (ARROW INDICATES ORIENTATION) | | N.I.C. NOT IN CONTRACT |
| | STEP LITE | | O.L. OVERALL LENGTH |
| | BOLLARD | | U.O.N. UNLESS OTHERWISE NOTED |
| | WELL LIGHT | | WP WEATHERPROOF |
| | | | (A) FIXTURE TYPE |

ELECTRIC SCOPE:

- FURNISH AND INSTALL NEW PARKING LOT ELECTRIC SERVICE AND LIGHTING, AS SHOWN, INCLUDING UNDERGROUND CONDUITS & WIRING, TERMINATIONS, ETC.
- REMOVE EXISTING REMOTE PANEL & RACK, FEED FROM NEW SERVICE AND MAKE SAFE. PROVIDE NEW PANEL & RACK, FEED FROM NEW SERVICE.
- CONNECT PUMP-OUT STATION (RELOCATED BY OTHERS) FROM NEW REMOTE PANEL 'RP'. 3-#10, #10(G) IN 3/4".
- CONNECT EXISTING LIGHTING AT (2) PAY STATIONS TO NEAREST NEW LIGHT CIRCUIT (EA. STATION HAS ONE (2L/18W/15) FL FIXTURE). REPLACE BALLAST FOR 240V OPERATION, IF NECESSARY. (PAY STATIONS ARE SOLAR POWERED).
- CONSTRUCT ELECTRIC WIRING TO PROPOSED ICE MACHINE, AS INDICATED, VERIFY IN FIELD.
- PRIOR TO THE COMPLETION OF THE JOB, REMOVE AND DISPOSE OF EXISTING PARKING LOT LIGHTING, NOT REUSED OR PREVIOUSLY REMOVED FOR CONSTRUCTION. DISCONNECT AND MAKE SAFE EXISTING PARKING LOT LIGHTING CIRCUITS AT SOURCE.
- DO NOT COMBINE CIRCUITS IN CONDUITS MORE THAN AS SHOWN.
- PORTIONS OF PARKING LOT ASPHALT TO BE RESURFACED; CUT AND REPAIR ANY ASPHALT NOT INCLUDED IN RESURFACING, AS REQUIRED.



ELECTRICAL ENGINEER:

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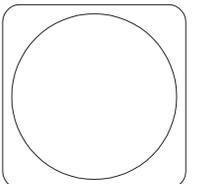
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Jeffrey S. Crews, PE

ALSDORF PARK BOAT RAMP
2901 NORTHEAST 14th STREET
POMPANO BEACH, FLORIDA

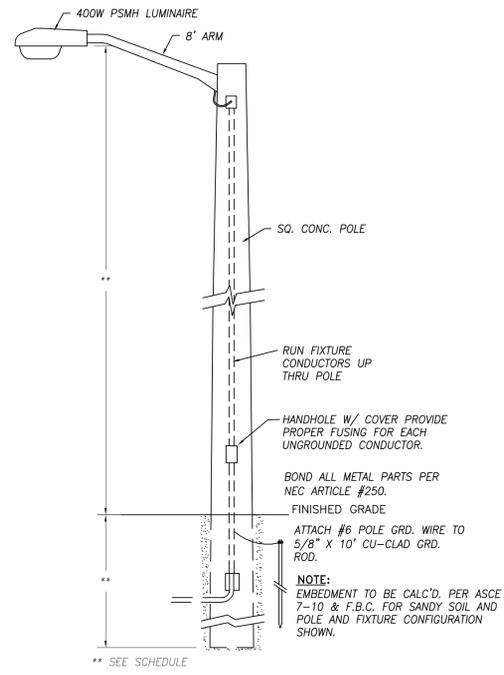
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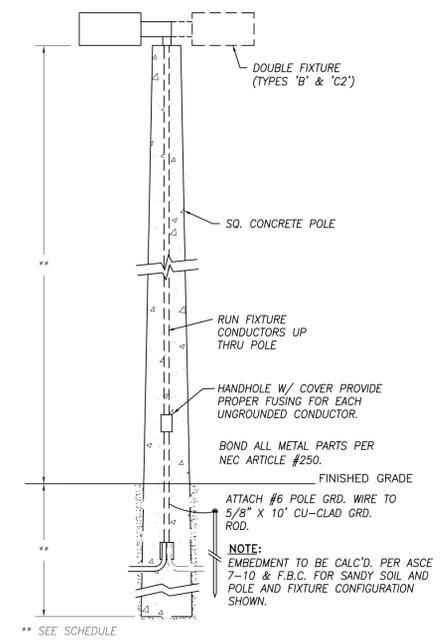
ISSUE/REVISIONS

6/19/14	NEW SITE BASE
1 8/25/14	COORDINATION
2 4/09/15	P&Z REVIEW

SHEET TITLE
SITE ELECTRIC
SHEET NUMBER
E-01



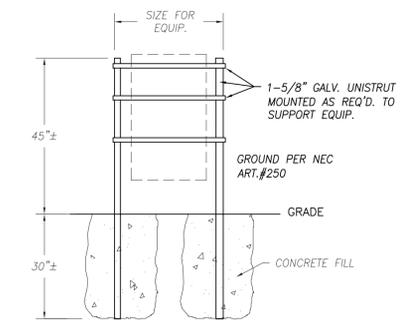
RAMP LIGHT POLE
(N.T.S.)



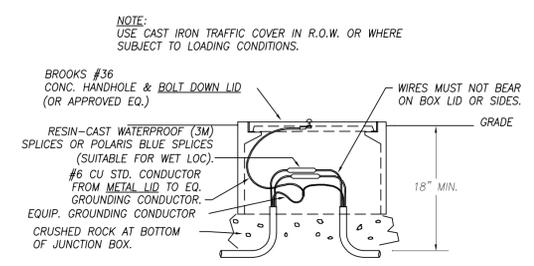
POLE DETAIL
(N.T.S.)

QTY	POLE #	MANUFACTURER / CATALOG NO.	MOUNTING	LAMP	VOLT	EPA	REMARKS
5	A	ACUTY CUT-OFF LUMINAIRE AS2.400M.SR3.240	30" AFG (42' CONC. POLE)	400W PSMH	240	1.2	SQ. CONC. POLE (TYP)
2	A1	SAME AS 'A' BUT 20' MTG HGT.	20" AFG (30' CONC. POLE)	"	"	"	"
12	B	ACUTY DBL CUT-OFF (2@180'), (2) AS2.400M.SR3.240	40" AFG (55' CONC. POLE)	(2) 400W PSMH	"	2.4	2 FIXTURES @180'.
5	C	ACUTY CUT-OFF LUMINAIRE, AS2.250M.SR3.240	20" AFG (30' CONC. POLE)	250W PSMH	"	1.2	"
5	C1	ACUTY CUT-OFF LUMINAIRE, AS2.250M.SR3.240.HS	20" AFG (30' CONC. POLE)	250W PSMH	"	1.2	TYPE 'C' w/HOUSE SIDE SHLD.
1	C2	ACUTY DBL CUT-OFF (2@180'), (2) AS2.250M.SR3.240	20" AFG (30' CONC. POLE)	(2) 250W PSMH	"	2.4	2 FIXTURES @180'.
4	D	AMERICAN ELECTRIC LTG.: 125.40M.RN.240.R3.DG	20" AFG (EXIST'G. POLE)	400W PSMH	"	1.3	MOUNT ON EXIST'G ARM/POLE
1	D1	AMERICAN ELECTRIC LTG.: 125.40M.RN.240.R3.DG	20" AFG (30' CONC. POLE)	400W PSMH	"	1.3 + ARM	SQ. CONC. POLE & 8' ARM

NOTE:
1. POLE LOCATIONS ARE APPROXIMATE, SEE LTG. MANUFACTURER'S DRAWING(S). CONTRACTOR TO COORDINATE POLE LOCATIONS WITH SITE PLAN, SITE ELECTRIC PLAN AND SITE CONDITIONS.
2. POLE LENGTHS SHOWN ARE NOMINAL; CONTRACTOR/SUPPLIER TO FURNISH WINDLOAD CALCULATIONS SHOWING COMPLIANCE WITH FBC FOR STRENGTH AND EMBEDMENT AND REQUIREMENTS HEREIN.

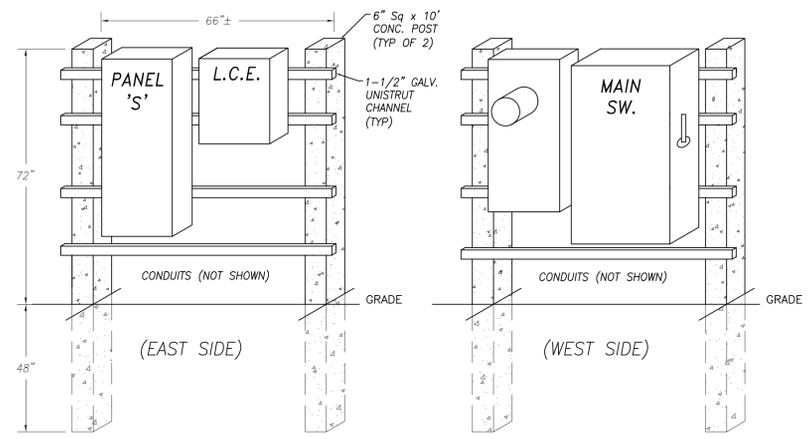


REMOTE PANEL SUPPORT RACK
(N.T.S.)



CONCRETE HANDHOLE (TYP.)
(N.T.S.)

HANDHOLE ENCLOSURES PER NEC#314.30. CONDUCTORS & SPLICES SHALL BE SUITABLE FOR WET LOCATIONS (314.30(C))



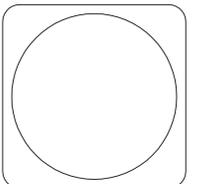
SERVICE SUPPORT RACK
(N.T.S.)



CORZO
CASTELLA
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ISSUE/REVISIONS		
6/19/14	NEW SITE BASE	
1 8/25/14	COORDINATION	

ELECTRICAL ENGINEER:

CONSTRUCTION
CONSULTANTS of
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SHEET TITLE

POLE, HANDHOLE
and MISC. DETAILS

SHEET NUMBER

E-02

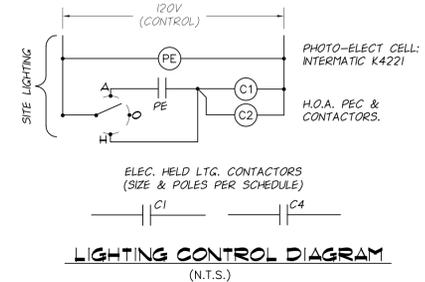
GENERAL ELECTRICAL NOTES:

- ELECTRIC RUNS SHOWN ARE DIAGRAMMATIC, ACTUAL ROUTING SHALL BE COORDINATED WITH FIELD CONDITIONS AND OTHER TRADES. DO NOT SCALE ELECTRICAL DRAWINGS.
- ALL CONDUITS SHALL BE 1/2" MINIMUM ABOVE GRADE (3/4" UNDERGROUND) UNLESS OTHERWISE NOTED (UON).
- ALL WIRE SHALL BE THHN/THWN COPPER, MINIMUM SIZE #12 (UON). ALUMINUM CONDUCTORS ARE NOT PERMITTED.
- NAMEPLATES SHALL BE PROVIDED AT ALL MAINS AND SWITCHES AND OTHER CONTROL DEVICES WHERE THE LOAD CONTROLLED IS NOT READILY APPARENT.
- CONTRACTOR SHALL BALANCE LOADS ACROSS ALL SYSTEM PHASE LEGS AND ON SINGLE PHASE, 3-WIRE SYSTEMS.
- ALL MATERIALS, EQUIPMENT AND INSTALLATIONS SHALL COMPLY WITH THE LATEST EDITION OF THE FLORIDA BUILDING CODE (FBC) AND THE 2011 NATIONAL ELECTRICAL CODE (NEC).
- ELECTRICAL WORK SHALL BE PERFORMED BY A LICENSED AND INSURED ELECTRICAL CONTRACTOR. CONTRACTOR SHALL PROVIDE EVIDENCE OF PROPERTY DAMAGE AND PUBLIC LIABILITY INSURANCES.
- CONDUITS SHALL BE RUN CONCEALED IN ALL FINISHED AREAS. EXPOSED CONDUITS SHALL BE RUN NEAT AND EITHER PARALLEL OR PERPENDICULAR TO WALLS & CEILINGS.
- EMT MAY BE USED ABOVE GRADE AND OUT OF WEATHER WHEN PERMITTED BY CODE. SCH 40 PVC MAY BE USED UNDERGROUND (UG), WHERE NOT SUBJECT TO PHYSICAL DAMAGE, HEAT OR SUNLIGHT.
- EXPOSED EXTERIOR CONDUIT SHALL BE RIGID METAL (RMC) OR INTERMEDIATE METAL CONDUIT (IMC). SCH 80 PVC MAY BE USED WHERE NOT SUBJECT TO PHYSICAL DAMAGE.
- ALL EXPOSED TRANSITIONS FROM UNDERGROUND PVC SHALL BE RMC OR IMC CONDUIT FROM 18" BELOW GRADE INCLUDING NINETY° WHERE A RACEWAY ENTERS A BUILDING FROM UNDERGROUND, IT SHALL BE SEALED PER NEC INCLUDING SPARES.
- ALL ELECTRICAL EQUIPMENT ENCLOSURES SHALL BE ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL.
- OBTAIN ENGINEERS' APPROVAL PRIOR TO PENETRATING STRUCTURAL MEMBERS.
- IN THE EVENT FIELD CONDITIONS DIFFER FROM CONTRACT DOCUMENTS, FIELD CONDITIONS SHALL GOVERN.
- THE CONTRACTOR SHALL IMMEDIATELY REPAIR ANY DAMAGE CAUSED TO EXISTING FACILITIES.
- MISC. ITEMS OBVIOUSLY REQUIRED FOR A COMPLETE AND OPERATING SYSTEM BUT NOT SPECIFICALLY CALLED FOR ON THE DRAWINGS OR IN THE SPECIFICATIONS SHALL BE PROVIDED BY THE CONTRACTOR AT NO EXTRA COST TO THE OWNER. (NUTS, BOLTS, MASONRY ANCHORS, CONDUIT AND EQUIP. SUPPORTS, DRILLING, WELDING, SCAFFOLDING, CRANE SERVICE, ETC.)
- GROUND ALL SYSTEMS AND EQUIPMENT PER NEC #250.
- ANY EXTERIOR RECEPTACLES SHOWN ON THESE PLANS SHALL BE 20 AMP, WEATHER RESISTANT, SIDE WIRED WITH WP ENCLOSURES WITH "EXTRA DUTY" SAFETY COVER PER NEC #408.9(B).
- ALL DISCONNECT SWITCHES SHALL BE SIZED FOR THE LOAD SERVED AND SHALL BE HP RATED, HEAVY DUTY (UON).
- PANELS, PANELBOARDS, SWITCHBOARDS, MOTOR CONTROL CENTERS, ETC. SHALL HAVE COPPER BUS AND SHALL BE MARKED AS REQUIRED BY NEC 110-16, 110.24 AND 408.4(B).
- ALL FUSES SHALL BE CURRENT LIMITING (UON). USE TIME DELAY FOR MOTOR CIRCUITS AND NON-TD FOR MAINS.
- VERIFY EQUIPMENT CURRENT INTERRUPTING RATINGS FOR ALL EQUIPMENT PRIOR TO CONSTRUCTION.
- CLOSELY COORDINATE ALL SERVICE ENTRANCE WORK WITH ELECTRIC UTILITY COMPANY.
- CLOSELY COORDINATE TELEPHONE SERVICE WORK WITH TELEPHONE UTILITY COMPANY.
- UPON COMPLETION OF WORK, CONTRACTOR SHALL FULLY INSTRUCT OWNER'S REPRESENTATIVE IN COMPLETE OPERATION OF ALL ELECTRICAL SYSTEMS.
- CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A MINIMUM OF ONE YEAR FROM DATE OF ACCEPTANCE.
- PROVIDE A FUSE HOLDER AND FUSE IN THE PRIMARY SIDE OF EACH UNGROUNDED CONDUCTOR OF ALL BALLASTS OR TRANSFORMERS. HOLDERS IN POLES SHALL BE BUSSMAN "HEB" SERIES, OR EO.
- ALL UNDERGROUND CONDUITS SHALL BE BURIED WITH A MINIMUM OF 18" COVER AND 24" UNDER PAVEMENT. FPL SERVICES SHALL BE 24" MINIMUM.
- DISTANCE BETWEEN PULL BOXES SHALL NOT EXCEED 400' AND MAY BE INSTALLED WHERE REQUIRED BY CONTRACTOR FOR EASE OF INSTALLATION.
- ALL METAL JUNCTION BOXES AND PULL BOXES SHALL BE GROUNDED.
- ALL ABOVE GROUND WP JUNCTION BOXES SHALL BE GALVANIZED NEMA 3R.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND LOCATE ALL EXISTING UG FACILITIES INCLUDING ELECTRIC POWER, TELEPHONE, CATV, WATER, SEWER, GAS, FLOOD/STORM DRAINAGE, IRRIGATION OR ANY EXISTING UG SYSTEM PRIOR TO ANY EXCAVATIONS.
- TRENCHES SHALL BE BACKFILLED AND TAMPED TO ORIGINAL DENSITY.
- RESTORE ALL EXCAVATED & TRENCHED AREAS TO ORIGINAL CONDITIONS, INCLUDING SOD, PAVING, PLANTINGS, ETC.
- BEFORE FINAL PAYMENT THE CONTRACTOR SHALL PROVIDE TO THE OWNER A COMPLETE SET OF AS-BUILT DRAWINGS. THESE DRAWINGS SHALL INCLUDE MEASUREMENTS OF UG CONDUITS AND PULL BOXES MEASURED TO PERMANENT STRUCTURES OR LANDMARKS.
- ALL H.I.D. LAMPS SHALL INCLUDE MINIMUM 1 YEAR WARRANTY.
- SUBMIT SHOP DRAWINGS SEALED BY A FLORIDA REGISTERED ENGINEER ON ALL LIGHTING STANDARDS, CERTIFYING STANDARDS TO WITHSTAND WIND LOADING PER FBC WITHOUT DAMAGE.
- IN THE EVENT THAT LIGHTING STANDARDS TO BE INSTALLED CONFLICT WITH EXISTING FACILITIES OBTAIN ENGINEER'S APPROVAL PRIOR TO INSTALLATION.

TYPE Sqd 'NO' (OR EQ.) SERVICE 120/240V, 1Ø,3W MOUNTING N3R POLE 42				PANEL S				MAIN BUS 400 AMP NEUTRAL FULL MAIN LUGS ONLY AIC 22,000			
BKR	COND.	WIRE	REMARKS	CKT #	VA		CKT #	REMARKS	WIRE	COND.	BKR
					A	B					
20/2	*	#8	PARKING LTS FRONT	1	310	10000	2	REMOTE PANEL	#4/0	2"	100/2
				3			4				
20/2	*	#3	PARKING LTS FRONT	5	1510	1500	6	ICE MACHINE	#10	3/4"	20/2
				7			8				
20/2	*	#8	PARKING LTS FRONT	9	645	1440	10	PARKING LTS (SE)	#4	*	20/2
				11			12				
20/2	*	#10	PARKING LTS ENTRY	13	705	1440	14	PARKING LTS (SW)	#6	*	20/2
				15			16				
20/2	*	#10	PARKING LTS (NW)	17	1225	960	18	PARKING LTS (E)	#6	*	20/2
				19			20				
20/2	*	#8	PARKING LTS (RAMPS)	21	1200	1440	22	PARKING LTS (NE)	#6	*	20/2
				23			24				
20/2	-	-	SPACE	25	2500	200	26	LTG CONTROL	#12	1/2"	20/1
				27			28	WP GFI RECEPT.	#12	1/2"	20/1
				29			30	SPACE	-	-	-
				31			32				
				33			34				
				35			36				
				37			38				
				39			40	SURGE PROTECTION	(INCL)	(INCL)	20/2
				41			42				
TOTAL CONNECTED LOAD: 50150 VA					25075	25075					
CONTINUOUS AT 25%: 5438											
TOTAL COMPUTED LOAD: 55588 VA (232 AMPS, 120/240V, 1Ø)											
FEEDER: 3- 350 kcmil IN 3" C.											* SEE E-01 FOR SIZE

1. WIRE SHOWN FOR LIGHTING CIRCUITS IS HOME RUN (FROM CONTACTOR TO FIRST POLE); USE #12 THWN FROM BREAKER TO CONTACTOR.

TYPE Sqd 'NO' (OR EQ.) SERVICE 120/240V, 1Ø,3W MOUNTING N3R POLE 18				PANEL RP (REMOTE PANEL)				MAIN BUS 100 AMP NEUTRAL FULL MAIN LUGS ONLY AIC 10,000			
BKR	COND.	WIRE	REMARKS	CKT #	VA		CKT #	REMARKS	WIRE	COND.	BKR
					A	B					
30/2	3/4"	#10	PUMP-OUT STATION	1	1000	2000	2	TEMPORARY POWER	-	-	60/2
				3			4				
20/2	-	-	DOCK LIGHTS	5	500	2000	6	SPARE	-	-	20/2
				7			8				
20/2	-	-	SPARE	9	2000	2000	10	SPARE	-	-	20/2
				11			12				
-	-	-	SPACE	13			14	SPACE	-	-	-
				15			16				
				17			18				
TOTAL CONNECTED LOAD: 19000 VA					9500	9500					
25% LARGEST MOTOR: 500											
TOTAL COMPUTED LOAD: 19500 VA (81 AMPS, 120/240V, 1Ø)											
FEEDER: 3- #4/0, #2(G) IN 2-1/2" C.											

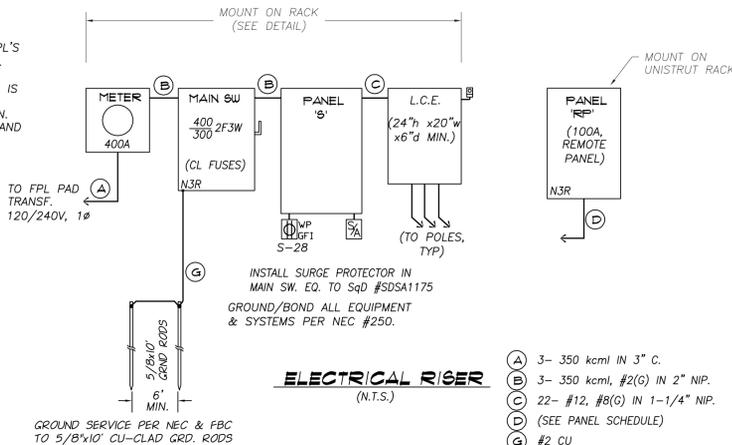


LTG. CONTACTOR SCHEDULE

Sch.	LC*	AMP/POLE	LOAD	CKT.
1	1	30/12	SITE LIGHTING	S-1,3, 9,11, 13,15, 10,12, & 17,19
2	2	30/12	SITE LIGHTING	S-5,7, 14,16, 18,20, 22,24, & 21,23

ALL CONTACTORS SHALL BE EQUAL TO Sqd CLASS 8903, TYPE L, ELECT. HELD, OPEN TYPE, WITH 120V COIL, MOUNT IN LTG. CONTROL ENCLOSURE (LCE). H.O.A. (HAND, OFF, AUTO) SWITCHES ARE EQUAL TO Sqd #K549BH1 w/ KN260BP LEGEND PLATE, MOUNT INSIDE LCE (FOR MAINTENANCE). P/E CELLS SHALL BE EQUAL TO INTERMATIC #K4200 SERIES AND SHALL FACE NORTH AND BE LOCATED AWAY FROM (OR SHIELDED) FROM ARTIFICIAL LIGHT SOURCES. LTG. CONTROL ENCLOSURE SHALL BE UL LISTED, N3R, HINGED AND LOCKED WITH BACK PANEL FOR MOUNTING EQUIP. MOUNT A GROUND BUS IN THE LCE TO COLLECT AND TERMINATE EQUIP. GROUNDING CONDUCTORS.

AVAILABLE FAULT CURRENT AT SECONDARY OF FPL'S TRANSF. IS ESTIMATED TO BE 21,110 AMPS(sym). CALC'D. AFC AT MAIN SW. IS 16,300 AMPS(sym). LET-THRU CURRENT FOR 300A FUSETRON FUSES IS 12,000 AMPS. BASED ON WIRING, DISTANCES AND FUSES SHOWN. MAIN SW. SHALL HAVE REJ. CLIPS & CL FUSES AND PANEL 'S' SHALL BE RATED 22,000 AMPS(sym). (FAULT DATA FURNISHED BY FPL).



ELECTRICAL ENGINEER:

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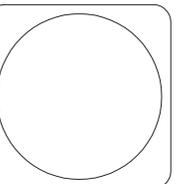
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ISSUE/REVISIONS

6/19/14 NEW SITE BASE

SHEET TITLE

ELECTRIC NOTES, SCHEDULES and RISERS

SHEET NUMBER

E-03