

CFN # 108778257, Page1 of 2 Recorded 08/06/2009 at 12:40 PM

<u>DEDICA TION</u>

STATE OF FLORIDA SS KNOW ALL MEN BY THESE PRESENTS: That <u>JAMES G. FARRIS AND SHIRLEY J. FARRIS</u>, COUNTY OF BROWARD owners of the lands described in and shown as included in this plat, have caused said lands to be subdivided and platted as shown hereon, said plat to be known as "FARRIS — MARGATE PLAT", being a replat of a portion of Tract 43, Block 93 and a portion of Tract 5, Block 94, THE PALM BEACH FARMS COMPANY PLAT NO. 3, recorded in Plat Book 2, Pages 45 — 54, Palm Beach County Records, being in Section 30, Township 48 South, Range 42 East, Broward County, Florida.

The additional thoroughfare dedication is hereby dedicated to the public for roads and road related purposes. Easements, as shown hereon, are hereby dedicated to the public for purposes as indicated.

| INI WITNIESS WHEREOF Wa hara | into set our hands in the City of Tompano Beach, Cou | inter of Remarks |
|--|--|---|
| | | |
| Witness (as to both): M. Alex | andle Name of witness printed M. ALEXANDER | James G. Farrris: June G. Huis |
| Witness (as to both): M. Ale | | Shirley J. Farris Shuley J. Jan |
| <u>ACKNOWLEDGMENT</u> | | |
| STATE OF FLORIDA SS The COUNTY OF BROWARD SS by Jo | foregoing instrument was acknowledged before me this mes G. Farris and Shirley J. Farris. | s 15 day of Alloper, 20 |
| They are: | | |
| [X] personally known to me [] have produced | or, as identification, | |
| [x] did take and oath. | | Carolyn B. Applegate Commission # DD402626 |

"FARIS - MARGATE CORNER PLAT"

A REPLAT OF A PORTION OF TRACT 43, BLOCK 93 AND A PORTION OF TRACT 5, BLOCK 94,
TOGETER WITH ADJACENT ROAD RESERVATIONS
"THE PALM BEACH FARMS COMPANY'S PLAT NO. 3"
(PLAT BOOK 2, PAGES 45 - 54, PALM BEACH COUNTY RECORDS),
SECTION 30, TOWNSHIP 48 SOUTH, RANGE 42 EAST,
CITY OF MARGATE, BROWARD COUNTY, FLORIDA
OCTOBER, 2008

| CITY OF MARGATE PLANNING AND ZONING BOARD | | |
|--|--|--|
| THIS IS TO CERTIFY: That the City Planning and Zoning Board of Margate, Florida, has plat | hereby approved and accepted to # _P_08) | his |
| By: | Feb. 2009. | |
| CITY COMMISSION | | Margate |
| STATE OF FLORIDA SS THIS IS TO CERTIFY: That this plat has been accepted and COUNTY OF BROWARD ST THE CITY OF MARGATE, FLORIDA, in and by RESOLUTION NO. this $2l^{\frac{57}{2}}$ day of $\frac{1}{2}$ day of $\frac{1}{2}$ and $\frac{1}{2}$, $\frac{1}{2}$. | approved for record by the CITY <u>11-389</u> , adopted by the s | COMMISSION OF aid City Commission, |
| No building permits shall be issued for the construction, expansion, and/or conversion developer provides this municipality with written confirmation from Broward County that not due. | | |
| By: _ fa / Dayed MeLean, Mayor, this _ 4th _ day of | February , 20 09. | City Engineer's CA |
| CITY ENGINEER'S SIGNATURE | | Sed: F |
| | 0 09. | |
| By: | | |
| | | |
| BROWARD COUNTY ENVIRONMENTAL PROTECTION AND GROWTH MANAGEMENT DEPARTMEN | <u>'T</u> | |
| This plat is approved and accepted for record this _29th day of July, | | |
| 2009. By: Dal vs. Don't Director / Designee | | Robert P. Legg. Gr. |
| BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING SERVICES DIVISION | | |
| This plat has been approved and accepted for record. | | |
| By: Rolt P. Legg, Jr. (date) Professional Surveyor and Mapper Florida Registration Number: LS 4030 By: Carl C Richard Tornese Director Professional Engineer Florida Registration Number 4026 | 1/29/09 (date) | Richard Tornese Acting Engineers |
| BROWARD COUNTY PLANNING COUNCIL | | |
| THIS IS TO CERTIFY: That the Broward County Planning Council approved this plat sub | | cation of |
| right-of-way for trafficways this 20^{TH} day of November, 20 08 By: | | lanning Council of the |
| above date and is approved and accepted for record this 4day of Wewt | 20.09. | |
| By: By: Executive Director or Designee | | |
| BROWARD COUNTY FINANCE AND ADMINISTRATIVE SERVICES DEPARTMENT — COUNTY REC | CORDS DIVISION — MINUTES SECTI | <u>YON</u> |
| THIS IS TO CERTIFY: That this plat complies with the provisions of Chapter 177, FLORI | 'DA STATUTES, and was accepted | for record by the Board of County |
| Commissioners of Broward County, Florida, this 14 day of April , 2009 | ATTEST BERTHA HENRY - COUN | ITY ADMINISTRATOR |
| Commissioners of Broward County, Florida, this 14 day of April , 2009. By: Deputy By: By: By: | J. J | _ Mayor — Broward County, Florida. |
| BROWARD COUNTY FINANCE AND ADMINISTRATIVE SERVICES DEPARTMENT — COUNTY REC | CORDS DIVISION — RECORDING SE | CTION |
| This plat filed for record this 6th day of AU FUST, 20 09, in BOOK | | 2/, record verified. |
| ATTEST: BERTHA HENRY - COUNTY ADMINISTRATOR By: Many C. Will | ions Deputy | COMANISS. |
| SURVEYOR'S CERTIFICATE | | S. CPEATED |
| STATE OF FLORIDA SS I HEREBY CERTIFY: That the attached plat is a true and COUNTY OF BROWARD subdivided and platted under my responsible direction and applicable requirements of Chapter 177, Part 1, FLORIDA STATUTES, and further that the in accordance with Section 177.091 of said Chapter 177, on this 30th day of are referenced to NATIONAL GEODETIC VERTICAL DATUM OF 1929 and were established. | supervision, that the survey dat ne PERMANENT REFERENCE MONUI July , 2009. | Ha shown complies with the Count of Cou |
| Ocean Survey for Third Order Vertical Control. This plat conforms to all applicable sections. | · · · · · · · · · · · · · · · · · · · | |
| This plat dated at Fort Lauderdale, Florida, this <u>7th</u> day of <u>October, 2008</u> . | | COMMISS. |
| | | S: CREATED |

PREPARED BY: McLAUGHLIN ENGINEERING CO.

400 N.E. 3rd AVENUE

FORT LAUDERDALE

FLORIDA 33301

TEL. (954) 763-7611

FAX (954) 763-7615

Certificate of Authorization Number: LB 285

400 Northeast 3rd Avenue Fort Lauderdale, Florida 33301

Gerald A. McLaughlin

State of Florida.

SURVEY FILE NO. 08-3-

Registered Land Surveyor No. 5269

for McLAUGHLIN ENGINEERING COMPANY

McL JOB NO. U-4697

25' ROAD RESERVATION (P.B. 2, PG.'S 45 TO 54, P.B.C.R.) CFN #108778257 A PORTION OF TRACT 43, BLOCK 93 Page2 of 2 THE PALM BEACH FARMS COMPANY'S PLAT NO.3 (P.B. 2, PG.'S 45 TO 54, P.B.C.R.) 200.00' (TOTAL) FOUND P.R.M. NAIL W/MCL CAP N89°12'00"E -50' ACCESS OPENING A PORTION OF TRACT 43, BLOCK 93 (RESRICTED TO RIGHT THE PALM BEACH FARMS COMPANY'S PLAT NO.3 TURNS ONLY) (P.B. 2, PG.'S 45 TO 54, P.B.C.R.) - SOUTH LINE, TRACT 43, BLOCK 93 \$ 589°18'23"W PARCEL "A" 37,721 SQUARE FEET 0.8660 ± ACRES 50' ROAD RESERVATION (P.B. 2, PG.'S 45 TO 54, P.B.C.R.) NOW VACATED (O.R. 2822, PG. 992, B.C.R. & O.R. 24084, PG. 198, B.C.R.) - ADDITIONAL RIGHT-OF-WAY DEDICATION BY THIS PLAT (2,279 SQUARE FEET) - NORTH LINE, TRACT 5, BLOCK 94 A PORTION OF TRACT 5, BLOCK 94 THE PALM BEACH FARMS COMPANY'S PLAT NO.3 (P.B. 2, PG.'S 45 TO 54, P.B.C.R.) POINT OF BEGINNING N89°12'00"E 3' RIGHT-OF-WAY-195.00' (P.R.M. TO P.R.M.) N89 12'00"E (P.B. 83, RG. 48, B.C.R.) -NORTH R/W LINE (BASIS OF BEARINGS) 200.00' (TOTAL) S89°12'00"W NAIL W/McL CAP 100' RIGHT-OF-WAY (DEED BOOK 333, PG. 329, B.C.R., - 100' RIGHT-OF-WAY DEED BOOK 361, PG. 507, B.C.R. & DEED BOOK 341, PG. 302, B.C.R.) (DEED BOOK 361, PG. 507, B.C.R.) 6' UTILITY EASEMENT (P.B. 39, PG. 1, B.C.R.) - SOUTH LINE, SECTION 30-48+42 & BASELINE OF SURVEY COCONUT CREEK PARKWAY SOUTHWEST CORNER (HAMMONDVILLE ROAD - FORMER STATE ROAD #814) SECTION 30-48-42 SET NAIL W/MCL CAR RIGHT-OF-WAY PER FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY MAP, SECTION 86130-2506, SHEET 2 OF 9, LAST DATED 8-22-89 / (R/W MAP BOOK 1, PG. 12, B.C.R., R/W MAP BOOK 1, PG. 12, B.C.R. & R/W MAP BOOK 11, PG. 50, B.C.R.) 1 10' ROADWAY, DRAINAGE & UTILITY EASEMENT (P.B. 110, PG. 19, B.C.R.) 45' ACCESS OPENING NON-VEHICULAR ACCESS LINE RESTRICTED TO RIGHT TURNS ONLY (P.B. 110, PG. 19, B.C.R.) (P.B. 110, PG. 19, B.C.R.) 8' X 14' BUS SHELTER EASEMENT AREA OF PERMANENT ACCESS ÉASEMENT (O.R. 37852, PG. 621, B.C.R.) (O.R. 34609, PG.533, B.C.R.) TRACT "A", BRANDON-FARRIS DEVELOPMENTS PLAT NO. 2 (P.B. 110, PG. 19, B.C.R.) LEGAL DESCRIPTION - 12' UTILITY EASEMENT (P.B. 39, PG. 1, B.C.R.) — A portion of Tract 43, Block 93; AND a portion of Tract 5, Block 94; AND ALSO adjacent road reservations, All as shown on THE PALM BEACH FARMS COMPANY'S PLAT NO. 3, according to the plat thereof, as recorded in Plat Book 2, Pages 45 to 54, of the public records of Palm Beach County, Florida, more fully described as follows: Commencing at the Southwest corner of Section 30, Township 48 South, Range 42 East, Broward County Florida; thence North 00°41'37" West, on the West line of said Section 30, a distance of 50.00 feet; thence North 89°12'00" East, on a line 50.00 feet North of and parallel with the South line of said Section 30, a distance of 95.51 feet to the Point of Beginning; thence North 00°41'37" West, on the East right-of-way line of State Road #7 (U.S. #441), being a line 95.51 feet East of and parallel with the said West line of Section 30, a distance of 200.00 feet; thence North 89°12'00" East, a distance of 200.00 feet; thence South 00°41'37" East, a distance of 200.00 feet; thence South 89°12'00" West, on the North right-of-way line of Coconut Creek Parkway (Hammondville Road - State Road #814), being a line 50.00 feet North of and parallel with the said South line of Section 30, a distance of 200.00 feet to the Point of Beginning. Said lands situate, lying and being in the City of Margate, Broward County, Florida and containing 40,000 square feet or 0.9183 acres more or less. - MARGATE CORNER PLAT" RIGHT-OF-WAY NOTE: 1) Right-of-Way for State Road No. A REPLAT OF A PORTION OF TRACT 43, BLOCK 93 AND 7 not specifically delineated in R/W Map Book 4, Page 27, B.C.R.

A PORTION OF TRACT 5, BLOCK 94, TOGETHER WITH ADJACENT ROAD RESERVATIONS "THE PALM BEACH FARMS COMPANY'S PLAT NO. 3" (PLAT BOOK 2, PAGES 45 - 54, PALM BEACH COUNTY RECORDS), SECTION 30, TOWNSHIP 48 SOUTH, RANGE 42 EAST, CITY OF MARGATE, BROWARD COUNTY, FLORIDA OCTOBER, 2008

GRAPHIC SCALE

(IN FEET)

1 inch = 30 ft.

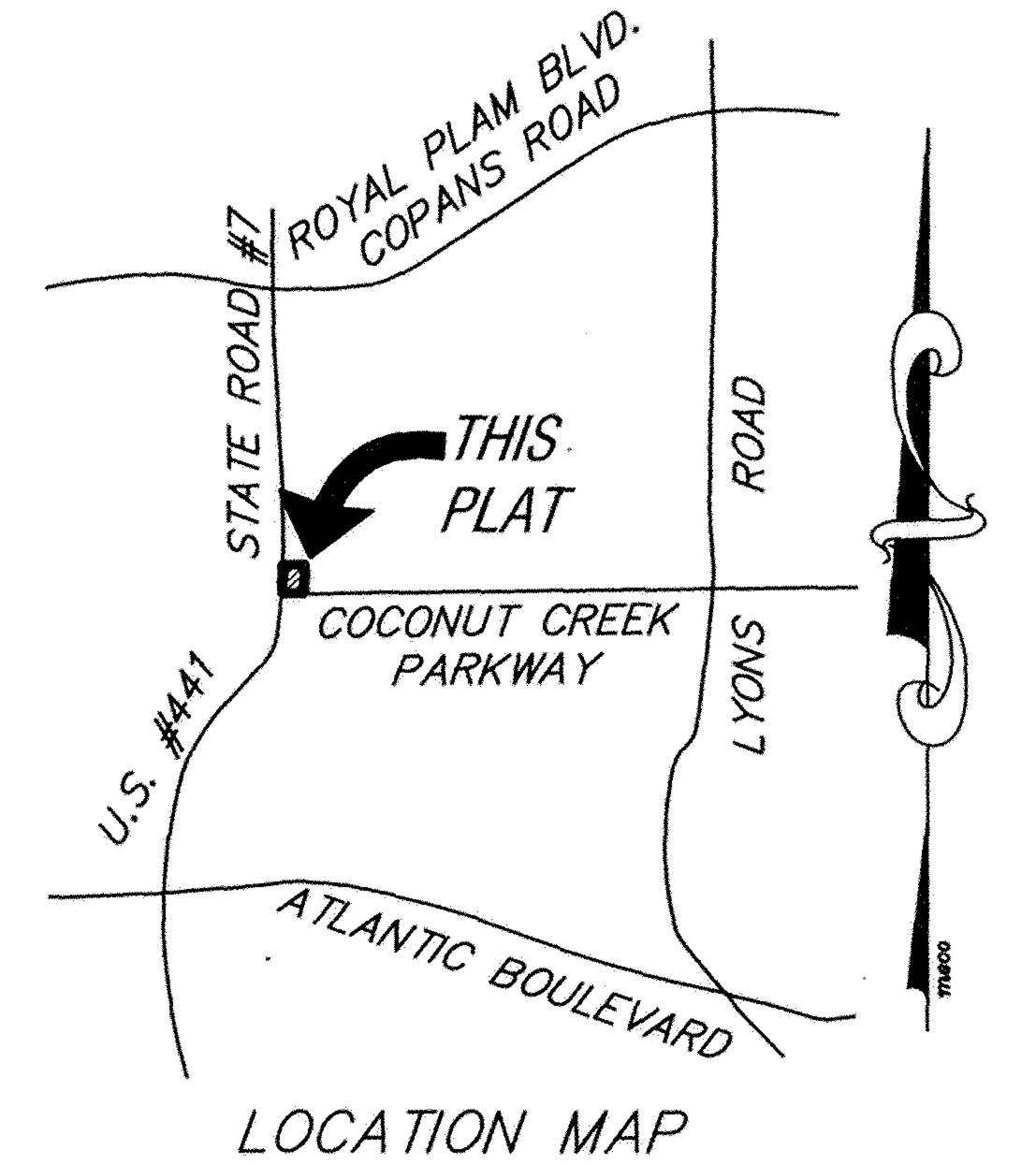
400 N.E. 3rd AVENUE

FORT LAUDERDALE

1) Right-of-Way for State Road No. 814 not specifically delineated in R/W Map Book 7, Page 50, B.C.R.

1) Right-of-Way for State Road No. 7 not specifically delineated in O.R. 6082, Page 312, B.C.R.

FLORIDA 33301



NOT TO SCALE

TEL. (954) 763-7611

FAX (954) 763-7615

SHEET 2 OF 2 SHEETS

THE FOLLOWING NOTE IS REQUIRED BY THE BROWARD COUNTY SURVEYOR PURSUANT TO CHAPTER 177.091, SUBSECTION(28), FLORIDA STATUTES:

Platted utility easements are also easements for the construction, installation, maintenance, and operation of cable television services; provided, however, no such construction, installation, maintenance, and operation of cable television services shall interfere with the facilities and service's of an electric, telephone, gas, or other public utility. In the event a cable television company damages the facilities of a public utility, it shall be solely responsible for the damages. This note does not apply to private easements granted to or obtained by a particular electric, telephone, gas or other public utility. Such construction, installation, maintenance, and operation shall comply with the National Electric Safety Code as adopted by the Florida Public Service Commission.

PLAT RESTRICTION:

This plat is restricted to 8,500 square feet of Commercial use and 13,000 square feet of Office use. Banks and drive-thru facilities are not permitted and commercial/retail uses are not permitted in the office use without the approval of the Board of County Commissioners who shall review and address these uses for increased impacts.

Any structure within this plat must comply with Section IV D.1.f., Development Review Requirements, of the Broward County Land Use Plan, regarding hazards to air navigation.

This note is required by Chapter\5, Article IX, Broward County Code of Ordinances, and may be amended by approval of the Broward County Board of County Commissioners. The notation and any amendments thereto are solely indicating the approved development level for property located within the plat and do not operate as a restriction in favor of property owner including an owner or owners of property within this plat who took title to the property with reference to this plat.

SURVEYOR'S NOTES:

_____NOTICE: This plat, as recorded in its graphic form, is the official depiction of the subdivided lands described herein and will in no circumstances be supplanted in authority by any other graphic or digital form of the plat. There may be additional restrictions that are not recorded on this plat that may be found in the public records of Broward County, Florida.

Reference Bench Mark: Broward County Bench Mark #3008; "X" Cut in the North edge of Southern Bell Manhole on the West side of State Road #7, at the end of Coconut Creek Parkway in front of address #1303 State Road #7.

Bench Mark Elevation = 13.32 (Bench Mark Elevation is referenced to the National Geodetic Vertical Datum of 1929)

- Bearings shown refer to an assumed meridian and assume the North parallel with the South line of Section 30-48-42) as South 89"12'00" West, by found monuments as shown hereon.

> If a building permit for a principal building (excluding dry models, sales and construction offices) and first inspection approval are not issued by April 14, 2014, which date is five (5) years from the date of approval of this plat by Broward County, then the County's finding of adequacy shall expire and no additional building permits shall be issued until such time as Broward County makes a subsequent finding that the application satisfies the adequacy requirements set forth within the Broward County Land Development Code. The owner of the property shall be responsible for providing evidence to Broward County from the appropriate governmental entity, documenting compliance with this requirement within the above referenced time frame; and / or

If Project water lines, sewer lines, drainage and the rock base for internal roads are not installed by <u>April 14, 2014</u>, which date is five (5) years from the date of approval of this plat by Broward County, then the County's finding of adequacy shall expire and no additional building permits shall be issued until such time as Broward County makes a subsequent finding that the application satisfies the adequacy requirements set forth within the Broward County Land Development Code. This requirement may be satisfied for a phase of the project, provided a phasing plan has been approved by Broward County. The owner of the property shall be responsible for providing evidence to Broward County from the appropriate governmental entity, documenting compliance with this requirement within the above referenced time

<u>LEGEND</u>

• P.R.M. - indicates Permanent Reference Monument (4"x4"x24" Concrete monument w/brass disk stamped "McLaughlin Eng. Co."-L.B. 285)

NO. - indicates number SQ. FT. — indicates square feet B.M. ELEV. - indicates Bench Mark Elevation L.B. - indicates Licensed Business Number

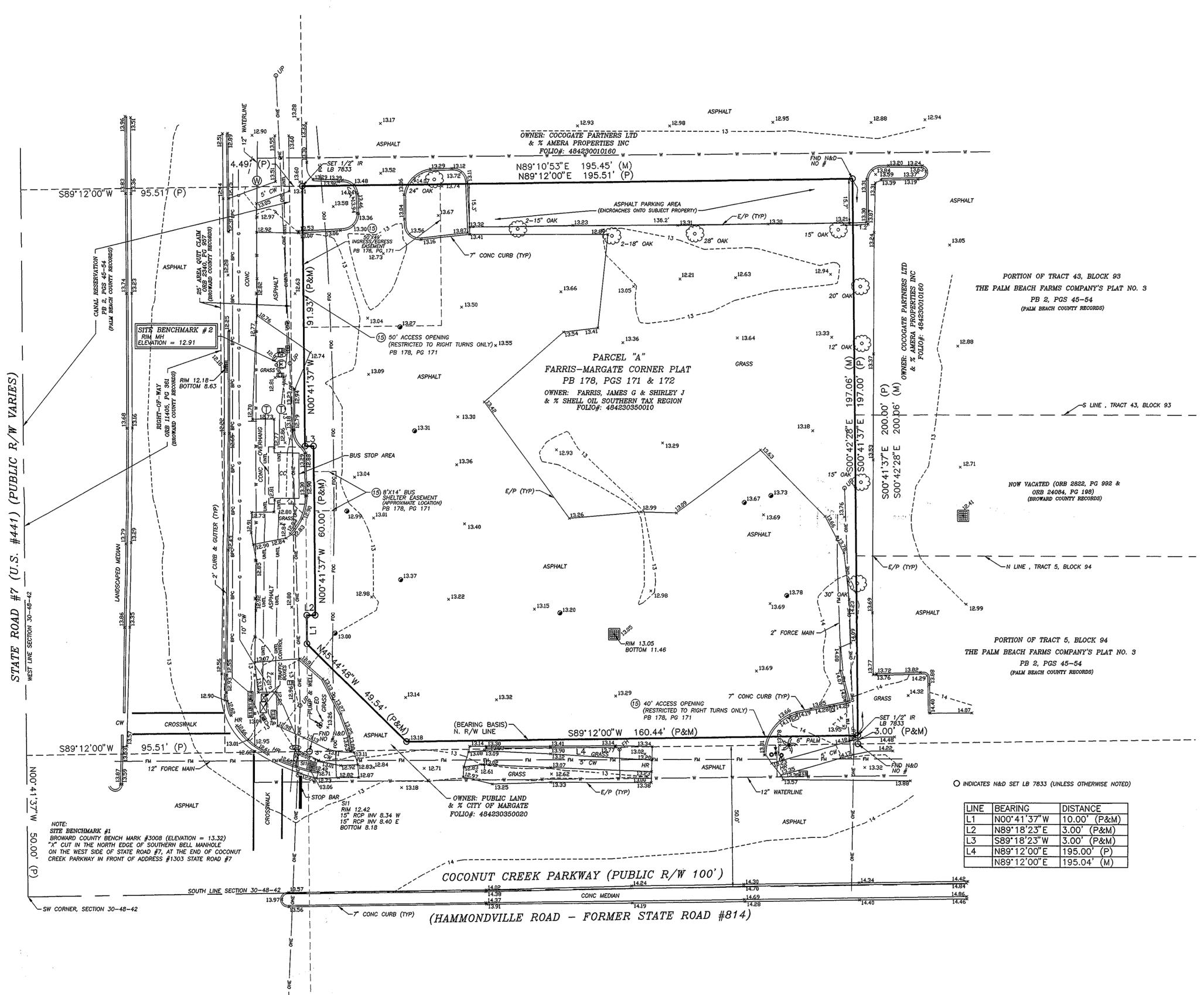
P.B. PG. - indicates Plat Book & Page B.C.R. - indicates Broward County Records - indicates centerline of Right - of - way O.R., PG., - indicates Official Record, Page

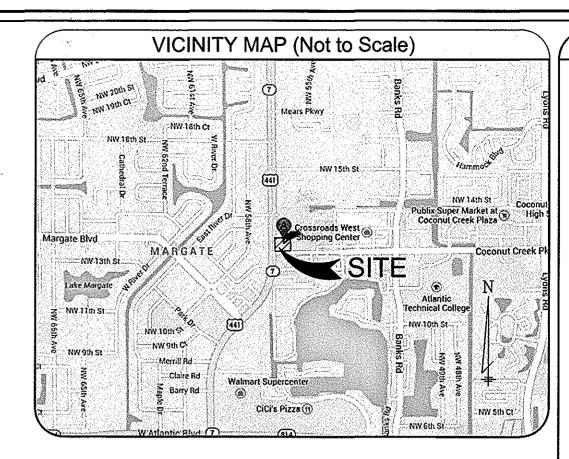
P.B.C.R. - indicates Palm Beach County Records O P.R.M. NAIL w/McL Cap - indicates Nail with McLaughlin Engineering Co. Cap 1 HHHA indicates Non-Vehicular Access Line

McL JOB NO. U-4697 SURVEY FILE NO. 08-3-068

PREPARED BY: McLAUGHLIN ENGINEERING CO.

BOUNDARY & TOPOGRAPHIC SURVEY





DESCRIPTION:

PARCEL A, FARRIS - MARGATE CORNER PLAT, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 178, PAGES 171 AND 172, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

SCHEDULE B-2 EXCEPTIONS NOTES:

10. INTENTIONALLY DELETED.

11. INTENTIONALLY DELETED.

12. ORDINANCE NO. 2007-30 RECORDED IN OFFICIAL RECORDS BOOK 44650, PAGE 1429, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA. (AFFECTS SUBJECT PROPERTY, BLANKET IN NATURE)

13. ORDINANCE NO. 2007-29 RECORDED IN OFFICIAL RECORDS BOOK 44650, PAGE 1467, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA. (AFFECTS SUBJECT PROPERTY, BLANKET IN NATURE)

14. INTENTIONALLY DELETED.

15. RESTRICTIONS, DEDICATIONS, CONDITIONS, RESERVATIONS, EASEMENTS AND OTHER MATTERS AS SET FORTH AND/OR SHOWN ON THE PLAT OF FARRIS — MARGATE CORNER PLAT, RECORDED IN PLAT BOOK 178, PAGES 171 AND 172, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, BUT OMITTING ANY COVENANTS OR RESTRICTIONS, IF ANY, BASED UPON RACE, COLOR, RELIGION, SEX, SEXUAL ORIENTATION, FAMILIAL STATUS, MARITAL STATUS, DISABILITY, HANDICAP, NATIONAL ORIGIN, ANCESTRY, OR SOURCE OF INCOME, AS SET FORTH IN APPLICABLE STATE OR FEDERAL LAWS, EXCEPT TO THE EXTENT THAT SAID COVENANT OR RESTRICTION IS PERMITTED BY APPLICABLE LAW. (AFFECTS SUBJECT PROPERTY: AS SHOWN HEREON)

GENERAL SURVEY NOTES:

1. BEARING STRUCTURE BASED ON THE MONUMENTED NORTH RIGHT OF WAY LINE OF COCONUT CREEK PARKWAY; BEING: S89"12'00"W PER PLAT BOOK 178, PAGE 171 PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

2. THIS SURVEY REFLECTS ONLY MATTERS OF RECORD AS PROVIDED BY THE CLIENT OR CLIENTS REPRESENTATIVE.

3. THIS SURVEY WAS MADE ON THE GROUND. THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

4. THIS SITE LIES IN SHADED ZONE "X", BASED ON FLOOD INSURANCE RATE MAP NO. 12011C0355H, CITY OF MARGATE, FLORIDA AND HAVING AN EFFECTIVE DATE OF AUGUST 18, 2014.

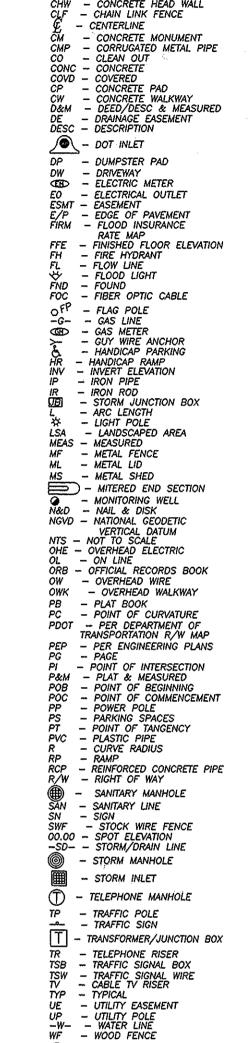
5. ACCORDING TO FLORIDA STATUTES, CHAPTER 472.025, A LAND SURVEYOR SHALL NOT AFFIX HIS SEAL OR NAME TO ANY PLAN OR DRAWING WHICH DEPICTS WORK WHICH HE IS NOT LICENSED TO PERFORM OR WHICH IS BEYOND HIS PROFESSION OR SPECIALTY THEREIN. THEREFORE, WE ARE UNABLE TO CERTIFY AS TO MUNICIPAL ZONING COMPLIANCE, INTERPRETATION OF ZONING CODES OR THE DETERMINATION OF VIOLATIONS THEREOF.

6. THIS SURVEY MADE WITH BENEFIT OF COMMITMENT FOR TITLE NO. 2061-3243753, EFFECTIVE: SEPTEMBER 28, 2014, ISSUED BY FIRST AMERICAN TITLE INSURANCE COMPANY.

7. ELEVATIONS ARE BASED ON BENCHMARK DESIGNATION #3008, BEING: 13.32 FEET, (NGVD 29), PUBLISHED BY THE HIGHWAY CONSTRUCTION & ENGINEERING DIVISION OF BROWARD COUNTY, FLORIDA.

CERTIFIED TO:

Branch Banking and Trust Company, a North Carolina banking corporation; James G. Farris; Shirley J. Farris; GrayRobinson, P.A.; Alston & Bird LLP; First American Title Insurance Company



LEGEND

- CALCULATED
- CALCULATED & MEASURED
- CENTRAL ANGLE
- CONCRETE BLOCK WALL

ADDRESS:

W - WATERLINE MANHOLE
→ - WATER VALVE
- WATER METER
- NUMBER

— EASEMENT NUMBER

5700 Coconut Creek Parkway Margate, FL 33063

Job Information JOB NO. 900992 CF NO. BC178-171 FIELD DATE: 10-06-14 SCALE: 1"=20' DRAWN BY: PJT

| | Revisions | |
|----------|--------------------------------------|-----|
| Date: | Description | Ву: |
| 10-15-14 | Added Title Commitment | PJT |
| 10-27-14 | Revised per revised Title Commitment | RCJ |
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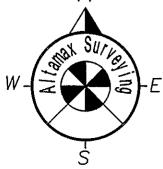
Altamax Surveying

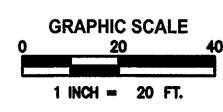
910 Belle Avenue, Suite 1140 Casselberry:::151,,32708 Phone:: 4070,677,-0200 Licensed Susiness No. 7833 www.aitama.surveying.com

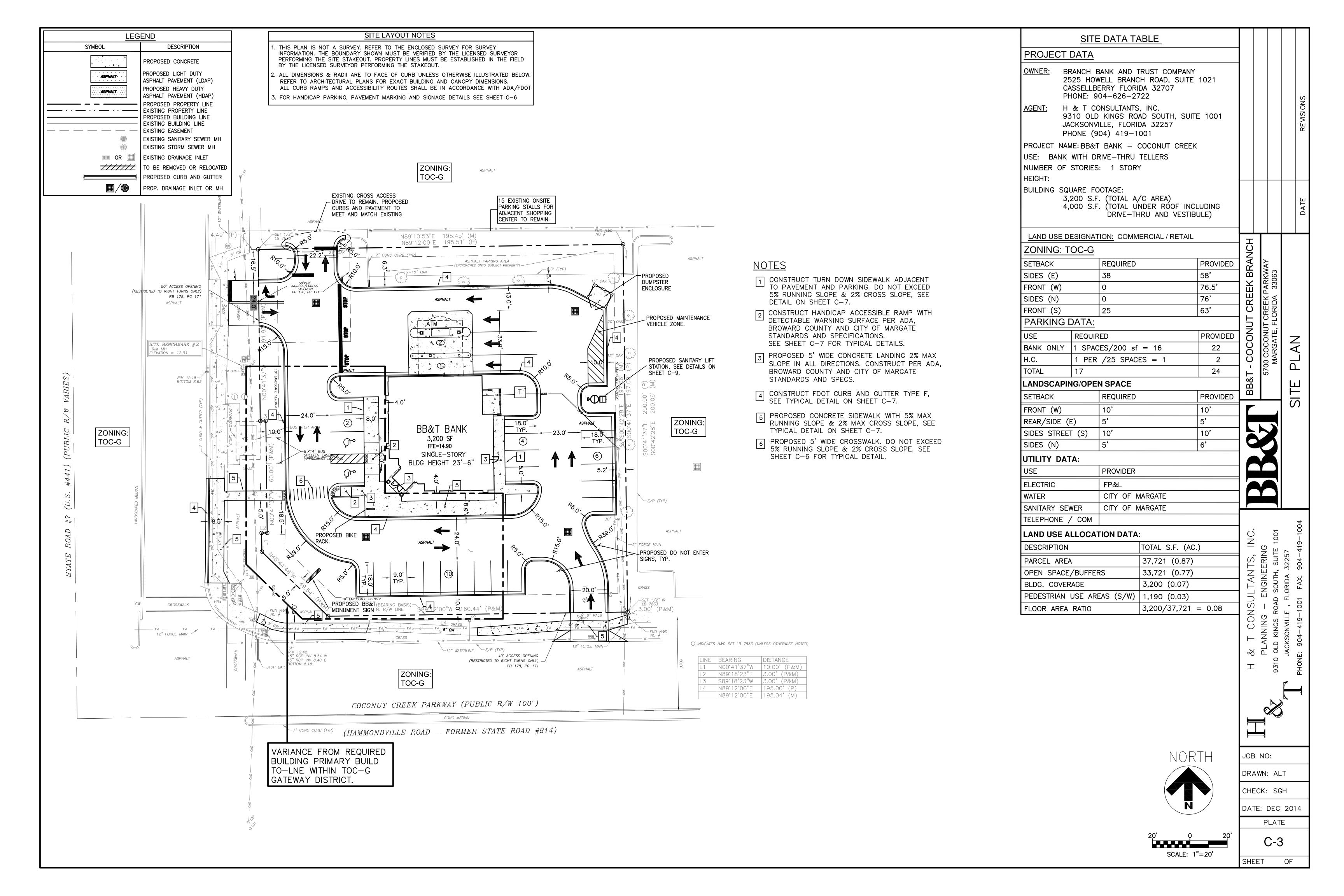
Robert C. Johnson PSM 5551

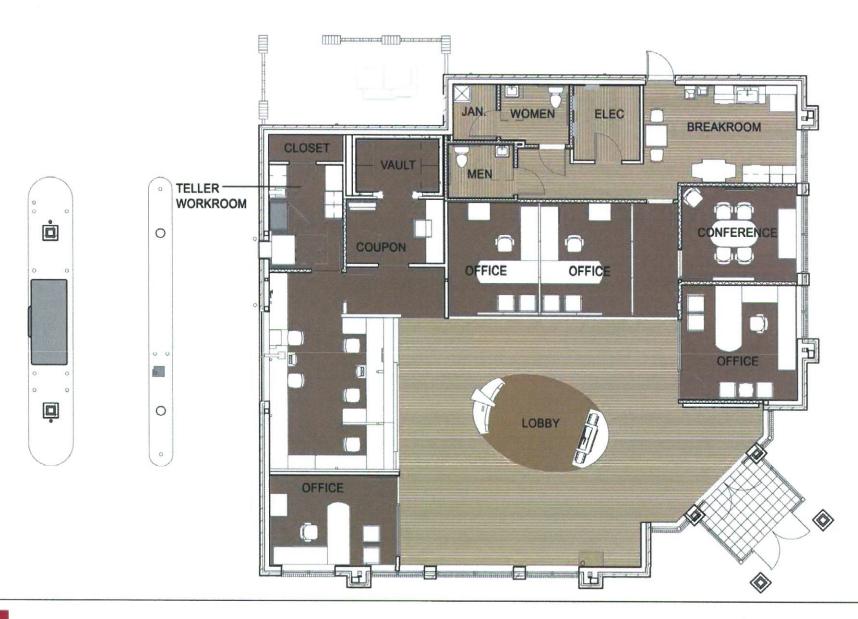
NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF THIS FLORIGA DEEPSED SURVEYOR AND MAPPER.

SHEET 1 OF 1













F O R :

BRANCH BANKING & TRUST 2525 HOWELL BRANCH ROAD, STE 1021 CASSELLBERRY, FLORIDA 32707

PROJECT:

BB&T BANK - COCONUT CREEK 5700 COCONUT CREEK PARKWAY MARGATE, FLORIDA 33063

DESCRIPTION:

PARCEL I.D. NO.: 4842-30-35-0010

PARCEL A, FARRIS MARGATE CORNER PLAT ACCORDING TO THE PLAT THEROF AS RECORDED IN PLAT BOOK 178, PAGES 171 AND 172, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

SAID LANDS SITUATE, LYING AND BEING IN THE CITY OF MARGATE, BROWARD COUNTY, FLORIDA AND CONTAINING 37,721 SQUARE FEET OR 0.866 ACRES MORE OR LESS.

UTILITY COMPANIES

SANITARY SEWER FORCE LINE: CITY OF MARGATE DEPT. OF ENVIRONMENTAL & ENGINEERING SERVICES CONTACT: KELLY McATEE, P.E. (954) 972 - 0828 901 NW 66th AVENUE, SUITE A MARGATE, FLORIDA 33063

ELECTRIC: FLORIDA POWER AND LIGHT CO. CONTACT: BARRY THOMPSON PHONE: (954) 956-2028 392 U.S. 17, EAST PALATKA, FL 32131 STORM WATER:
SOUTH FLORIDA WATER
MANAGEMENT DISTRICT
PHONE: 1-800-432-2045
3301 GUN CLUB ROAD,
WEST PALM BEACH, FL 33406

DRAINAGE DISTRICT:
COCOMAR WATER CONTROL
DISTRICT - BROWARD COUNTY
PHONE: 954-831-0753
CONTACT: CARL ARCHIE







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<u>ARCHITECTURAL</u>

A5.1 ELEVATIONS

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FARRIS - MARGATE CORNER PLAT BOUNDARY & TOPOGRAPHIC SURVEY

PREPARED BY:

H&T CONSULTANTS, INC.

PLANNING - ENGINEERING

9310 OLD KINGS ROAD SOUTH, SUITE 1001 JACKSONVILLE, FLORIDA 32257 TELEPHONE (904) 419-1001, FAX (904) 419-1004

ENGINEERS SIGNATURE STANLEY HILL, P.E. FLORIDA P.E. NO. 51207

DATE: OCT/31/2014

GENERAL NOTES:

- EXISTING FEATURES AND BOUNDARY INFORMATION BASED ON A SURVEY BY: ALTAMAX SURVEYING, 910 BELLE AVENUE, SUITE 1140 CASSELBERRY, FL 32708, WWW.ALTAMAXSURVEYING.COM, PHONE: 407-677-0200
- 2. ALL WORK PERFORMED AND MATERIALS USED WITHIN THE FDOT'S RIGHT-OF-WAYS IF APPLICABLE SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FDOT'S "DESIGN STANDARDS". ALL AREAS DISTURBED BY THE CONSTRUCTION EFFORT WITHIN SAID RIGHT-OF-WAYS SHALL BE RESODDED TO MATCH THE EXISTING SURROUNDING GRASS COVER.
- ALL DIMENSIONS ARE TO FACE OF CURB OR FACE OF SIDEWALK UNLESS OTHERWISE NOTED.
- 4. ALL TRAFFIC SIGNS AND MARKINGS SHALL BE IN ACCORDANCE WITH THE U.S. DEPARTMENT OF TRANSPORTATION MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION
- 5. SEE ARCHITECTURAL DRAWINGS FOR CONSTRUCTION DETAILS AND DIMENSIONS OF BUILDINGS.
- FOR CONCRETE SIDEWALK JOINT LAYOUT UNDER ROOF LINE REFER TO ARCHITECTURAL DRAWINGS.
- 7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL CABLES AND UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY BREAK IN UNDERGROUND CABLES AND/OR UTILITIES SHALL IMMEDIATELY BE REPAIRED AT THE CONTRACTORS EXPENSE.
- 8. FDOT STANDARD REFERS TO FDOT LATEST "ENGLISH UNIT" VERSION OF "FDOT DESIGN STANDARDS" MANUAL
- 9. NEW SPOT ELEVATIONS REFER TO PROPOSED TOP OF PAVEMENT UNLESS INDICATED OTHERWISE ON THESE DRAWINGS.
- 10. ALL CONCRETE WORK SHALL CONFORM TO AC1 318-89, "STANDARD BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE." ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS. PROVIDE 3/4" CHAMFER AT ALL EXPOSED CONCRETE EDGES.
- 11. REINFORCING STEEL SHALL BE BILLET STEEL CONFORMING TO ASTM A615, GRADE 60. UNLESS INDICATED OTHERWISE, MINIMUM SPLICE LENGTH SHALL BE 40 BAR DIAMETERS WHERE CONT. (CONTINUOUS) IS INDICATED ON PLANS.
- 12. THE CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING STRUCTURES, IMPROVEMENTS, UTILITIES, PROPERTY LINES, EASEMENTS AND SETBACKS, AND CONFIRM ALL PROPOSED DIMENSIONS AND ELEVATIONS PRIOR TO COMMENCING CONSTRUCTION OR ORDERING MATERIALS.
- 13. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION FOR VERIFICATION AND LOCATION OF ALL UTILITIES (ELECTRIC, GAS, TELEPHONE, ETC.).
- 14. SHOULD THE SURFACE OR SUBSURFACE CONDITIONS BE FOUND TO VARY FROM WHAT IS SHOWN ON THESE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IN WRITING.
- 15. AS-BUILT DRAWINGS SHALL BE FURNISHED TO THE ENGINEER IN ACCORDANCE WITH THE SPECIFICATIONS AND REQUIREMENTS NOTED ON THIS SHEET.
- 16. GRADES SHOWN ON PLANS ARE FINISHED GRADES UNLESS OTHERWISE NOTED.
- 17. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING WITHIN 7 DAYS OF COMPLETION OF THE PROJECT, STATING THAT THE DRAINAGE SYSTEM IS COMPLETE AND READY FOR INPECTION AND CERTIFICATION BY THE ENGINEER.
- 18. DO NOT SCALE THESE DRAWINGS. USE DIMENSIONS ONLY.
- 19. THE CONTRACTOR SHALL USE NECESSARY MEANS AND METHODS TO CONTROL SURFACE AND GROUNDWATER DURING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO SURFACE GRADING, DEWATERING TRENCHES WITH SUMP PUMP, WELL POINTING, ETC. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ACTUAL AND LIKELY DEPTHS TO GROUNDWATER AND THE WATER CONTROL NECESSARY TO MEET MOISTURE AND DENSITY REQUIREMENTS FOR THE NATIVE OR IMPORTED SOILS.
- 20. THE CONTRACTOR SHALL OBTAIN APPROVAL OF THE ENGINEER AND OWNER PRIOR TO THE EXPORT OF SOILS FROM THE SITE. ANY REMOVAL OF SOIL WITHOUT WRITTEN APPROVAL FROM THE ENGINEER AND OWNER SHALL BE DONE AT THE CONTRACTORS RISK.
- 21. ALL ON SITE EASEMENTS MUST BE APPROVED AND RECORDED PRIOR TO ISSUANCE OF COS OR TCOs.
- 22. ALL CONSTRUCTION AND STOCKPILED VEGETATIVE DEBRIS AND FILL WILL BE REMOVED FROM THE SITE, IN THE EVENT A CONSTRUCTION SITE IS ABANDONED PRIOR TO PROJECT COMPLETION.
- 23. ALL IMPROVEMENTS ARE TO BE OWNED AND MAINTAINED BY THE PROPERTY OWNER AND WILL NOT BE DEDICATED TO THE PUBLIC OR MAINTAINED BY THE PUBLIC.
- 24. ALL FIRE PREVENTION MEASURES AND PROVISIONS SHALL BE IN ACCORDANCE WITH THE FLORIDA FIRE PREVENTION CODE, 2010 EDITION (FFPC 2010 Ed).

AS-BUILT REQUIREMENTS:

- 1. THE CONTRACTOR SHALL PROVIDE COMPLETE AS-BUILT INFORMATION TO THE ENGINEER IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
- 2. AS-BUILT DRAWINGS SHALL BE PREPARED IN AUTOCAD FORMAT BY A REGISTERED LAND SURVEYOR, AND SHALL BE IN CONFORMANCE WITH ALL AUTHORITIES HAVING JURISDICTION. FIVE SET OF SIGNED BLUEPRINTS AND A SET OF AUTOCAD 2004 DRAWING FILES OF THE PROJECT SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.
- 3. PROVIDE BUILDING LOCATIONS, FINISHED FLOOR ELEVATIONS, PAVEMENT GRADES AND ALL UNDERGROUND FACILITIES.
- 4. PROVIDE SPECIAL DETAIL DRAWINGS AT LOCATIONS WHERE INSTALLATIONS WERE NOT AS SHOWN ON CONTRACT DRAWINGS DUE TO FIELD CONDITIONS OR WHERE REQUIRED FOR
- 5. PROVIDE LOCATION, ELEVATION AND DESCRIPTION OF BENCHMARK(S).
- 6. LOCATE AND PROVIDE ELEVATIONS OF ALL STRUCTURES. LOCATION OF ALL STRUCTURES SHALL BE FROM (2) DIRECTIONS.
- 7. LOCATE ALL PIPES AND PROVIDE THEIR SIZE, ELEVATION, LENGTH AND TYPE.

UTILITY NOTES:

- 1. WHERE WATER MAIN IS LAID UNDER DITCHES, CULVERTS OR OTHER PIPELINES WITHOUT FITTINGS. THE MAXIMUM DEFLECTION AT ANY JOINT SHALL NOT EXCEED 50% OF THE MAXIMUM DEFLECTION RECOMMENDED BY THE MANUFACTURER OF THE PIPE FURNISHED. UNLESS OTHERWISE SHOWN ON DRAWINGS.
- 2. ALL NEW PIPE SHALL HAVE A MINIMUM DEPTH OF COVER OF 36 INCHES MEASURED FROM THE TOP OF THE PIPE TO THE GROUND SURFACE, EXCEPT AS OTHERWISE NOTED ON DRAWINGS. VERTICAL AND HORIZONTAL ALIGNMENT MAY BE ADJUSTED TO MEET ADVERSE FIELD CONDITIONS UPON APPROVAL BY THE ENGINEER.
- 3. WHERE WATER AND SEWER MAINS CROSS WITH LESS THAN 18" OF VERTICAL CLEARANCE. OR 10 FEET OF HORIZONTAL CLEARANCE, A 20-FOOT SECTION OF DUCTILE IRON SEWER PIPE SHALL BE CENTERED AT THE POINT OF CROSSING. THE CONTRACTOR IS TO FIELD VERIFY SEPARATION.
- 4. WHEN A WATER OR SEWER MAIN CROSSES A STORM DRAINAGE LINE A MINIMUM OF EIGHTEEN (18) INCHES OF VERTICAL SEPARATION IS REQUIRED OR A 20-FOOT SECTION OF DUCTILÈ IRON PIPE SHALL BE CENTERED AT THE POINT OF CROSSING.

UTILITY NOTES (CONT.):

- 5. ALL WORK PERFORMED WITHIN PUBLIC RIGHT-OF-WAY REQUIRES A SEPARATE PERMIT ISSUED BY GOVERNING AUTHORITY.
- 6. WATER MAINS TO BE PRESSURE TESTED TO 150 PSI FOR A TWO (2) HOUR PERIOD IN ACCORDANCE WITH STANDARDS AND SPECIFICATIONS BY THE CITY OF MARGATE UTILITIES DEPARTMENT, WHO SHALL BE NOTIFIED AT LEAST 24 HOURS IN ADVANCE.
- 7. ALL D.I. FITIINGS SHALL BE THIN CEMENT LINED. THE LINING SHALL COMPLY WITH ANSI STANDARD A21.4 (AWWA C104-95, LATEST "CEMENT-MORTAR LINING FOR DUCTILE IRON PIPE AND FITTINGS FOR WATER". ALL BOLTS, NUTS, STUDS AND OTHER UNCOATED PARTS OF JOINTS FOR UNDERGROUND INSTALLATION SHALL BE COATED WITH ASPHALT OR COAL-TAR PRIOR TO BACKFILLING. ALL FITTINGS SHALL BE MECHANICALLY RESTRAINED.
- 8. ALL WATER AND SEWER CONSTRUCTION WITHIN THE THE CITY OF MARGATE SHALL BE PERFORMED BY AN UNDERGROUND UTILITY CONTRACTOR LICENSED UNDER THE PROVISIONS OF CHAPTER 489 OF THE FLORIDA STATUTES.
- 9. WATER SERVICE LINES TAP TO METERS TO BE POLYETHYLENE TUBING IN ACCORDANCE WITH AWWA C901-96 SPECIFICATIONS. WATER SERVICE LINES FROM METERS TO BACKFLOW PREVENTERS TO BE SCHEDULE 80 PVC. ALL OTHER WATER SERVICE LINES ARE TO BE SCHEDULE 40 PVC.
- 10. AS-BUILT DRAWINGS SHALL BE PREPARED BY AND BE SIGNED BY E.O.R. AND BE IN ACCORDANCE WITH THE THE CITY OF MARGATE REQUIREMENTS.
- 11. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STRUCTURES AND MATERIALS TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION AND CONSTRUCTION.
- 12. ALL WATER MAINS SHALL BE DESINFECTED AND BACTERIOLOGICALLY TESTED IN ACCORDANCE WITH DEPARTMENT OF ENVIRONMENTAL PROTECTION REQUIREMENTS. DISINFECTION TESTING SHALL COMPLY WITH A.W.W.A.C-651-92.
- 13. THE CONTRACTOR SHALL FOLLOW THE PROVISIONS OF FLORIDA STATUTE 386 IF ANY WATER LINE IS BROKEN OR WATER SYSTEM IS SHUT OFF DURING CONSTRUCTION. FLORIDA STATUTE 386 STATES THAT THE HRS FOR THE CITY OF MARGATE PUBLIC HEALTH UNIT DIRECTOR (OR HIS DESIGNEE) OR THE SUBJECT SUPPLIER OF WATER WILL ISSUE A BOIL WATER/BOTTLED WATER NOTICE FOR ALL AFFECTED CUSTOMERS OF THE PUBLIC WATER SUPPLY SYSTEM WHEN AN INTERRUPTION IN SERVICE OCCURS (WHICH RESULTS IN A COMPROMISE OF THE SYSTEM INTEGRITY WHEN THE HEALTH OR LIFE OF AN INDIVIDUAL, OR THE HEALTH OR LIVES OF INDIVIDUALS MAY BE THREATENED OR IMPAIRED OR BY WHICH DISEASE MAY BE CAUSED) OR WHEN A HISTORY OF UNSATISFACTORY BACTERIOLOGICAL SAMPLES RESULT OR WHEN THE SYSTEM PRESSURE DROPS BELOW 20 PSI. THIS BOIL WATER/BOTTLED WATER NOTICE WILL BE LIFTED BY THE HRS THE CITY OF MARGATE PUBLIC HEALTH UNIT DIRECTOR (OR HIS DESIGNEE) WHEN THE SYSTEM PRESSURE AND INTEGRITY ARE INTACT AND, SUBSEQUENTLY, TWO CONSECUTIVE DAYS OF SATISFACTORY MICROBIOLOGICALS ARE DOCUMENTED THROUGH CERTIFIED DRINKING WATER LABORATORY ANALYSIS RESULTS. IN THE CASE WHERE THE SUPPLIER OF WATER ISSUES THE BOIL WATER/BOTTLED WATER NOTICE, THE THE CITY OF MARGATE PUBLIC HEALTH UNIT SHALL BE NOTIFIED AS SOON AS POSSIBLE AND PREFERABLY IN ADVANCE OF THE EVENT. (THE CONTRACTOR SHALL PROVIDE BOTTLED WATER)
- 14. GRAVITY SEWER PIPES SHALL BE ASTM D-3034 SDR 35, UNLESS OTHERWISE INDICATED ON PLANS.
- 15. SEWER LINES ARE DESIGNED TO FINISHED GRADE AND SHALL BE PROTECTED FROM DAMAGE UNTIL ALL WORK IS COMPLETED.
- 16. CONTRACTOR SHALL PROVIDE FOR ALL STORAGE OF MATERIALS AND EQUIPMENT. MATERIALS AND SUPPLIES SHALL BE PLACED THAT ENDANGERMENT OR RESTRICTION OF VEHICULAR OR PEDESTRIAN TRAFFIC WILL NOT OCCUR.
- 17. IF SOLVENT CONTAMINATION IS FOUND IN THE PIPE TRENCH INTENDED FOR A PROPOSED PLASTIC WATER MAIN, THE CONTRACTOR SHALL STOP WORK AND THE PROPER AUTHORTIES NOTIFIED. WITH APPROVAL OF THE PERMITTING AGENCY, DUCTILE IRON PIPE, FITTINGS AND SOLVENT RESISTANT GASKET MATERIAL SUCH AS FLUOROCARBON SHALL BE USED IN THE CONTAMINATED AREA: THE DUCTILE IRON PIPE SHALL EXTEND AT LEAST 100 FEET BEYOND ANY SOLVENT NOTED. ANY CONTAMINATED SOIL THAT IS EXCAVATED SHALL BE PLACED ON AN IMPERMEABLE MAT AND COVERED WITH A WATER PROOF COVERING. THE PROPER AUTHORITIES WILL BE NOTIFIED AND THE CONTAMINATED SOIL HELD FOR PROPER DISPOSAL
- 18. VERTICAL AND HORIZONTAL CHANGES IN WATER MAIN ALIGNMENT AND ALL BENDS, TEES AND VALVES SHALL BE RESTRAINED WITH MECHANICAL JOINT RESTRIANER GLANDS, "MEGALUG" RESTRAINER GLANDS OR APPROVED EQUAL.
- 19. ALL WATER, SEWER AND FIRE LINE CONSTRUCTION, MATERIALS AND APPRUTANCES SHALL BE IN ACCORDANCE WITH THE CITY OF MARGATE UTILITIES DETAILS, STANDARDS, SPECIFICATIONS AND REQUIREMENTS.
- 20. SANITARY SEWER CLEANOUTS TO BE PLACED AS SHOWN ON THE ENGINEERING PLANS.
- 21. NO WATER METER BOXES TO BE PLACED IN SIDEWALK OR DRIVEWAYS.
- 22. ALL FITTINGS TO BE RESTRAINED.
- 23. ALL DISTURBED AREAS TO BE SODDED.
- 24. FIRE HYDRANTS MAY BE UTILIZED TO BLOW-OFF AND FLUSH THE MAINS. HOWEVER, SAMPLE POINTS MUST BE TAKEN AS NOTED ON F.D.E.P. WATER PERMIT.
- 25. CONTRACTOR TO SUPPLY AND INSTALL NECESSARY BENDS/FITTINGS (TO BE RESTRAINED) TO ALLOW DEFLECTION OF PROPOSED DOMESTIC WATERMAIN AROUND SANITARY SEWER MAINS AND LATERALS. CONTRACTOR TO MAINTAIN 18" VERTICAL SEPARATION AT CROSSINGS.
- 26. CONTRACTOR TO SUPPLY AND INSTALL NECESSARY BENDS/FITTINGS (TO BE RESTRAINED) TO ALLOW DEFLECTION OF PROPOSED WATERMAIN AROUND PROPOSED STORM SEWER MAINS CONTRACTOR TO MAINTAIN 6" VERTICAL SEPARATION AT CROSSINGS.
- 27. ALL FIRE HYDRANTS TO FACE STREET/DRIVE.
- 28. ALL FIRE HYDRANTS TO BE PLACED 6' FROM EDGE OF PAVEMENT.
- 29. TAP CONNECTION TO ANY CITY OF MARGATE WATERMAIN WILL REQUIRE A CITY OF MARGATE UTILITIES PERMIT.
- 30. THE CITY OF MARGATE UTILITIES DEPARTMENT TO OPERATE POTABLE WATER VALVE AT ALL TIE IN LOCATIONS. ANY REQUEST FOR WATER TO BE TURNED ON OR OFF MUST BE COORDINATED THROUGH THE OUC.
- 31. COPY OF HRS PERMIT WILL BE PROVIDED TO THE CITY OF MARGATE UPON RECIEPT
- 32. CONTRACTOR TO COMPLY WITH THE CITY ORDINANCES FOR STORM WATER POLLUTION PREVENTION AND BEST MANAGEMENT PRACTICES.
- 33. CONTRACTOR TO CONSTRUCT CONCRETE PAD UNDER REDUCED PRESSURE BACKFLOW PREVENTERS.
- 34. ALL SANITARY SEWER CLEANOUTS IN PAVEMENT AREAS TO BE CAST IRON.
- 35. ALL SANITARY SEWER CLEANOUT PLUGS TO HAVE FLUSH. (RECESSED)
- 36. ALL SANITARY SEWER LATERALS TO BE PVC SDR-35.
- 37. ALL FIRE HYDRANT ASSEMBLIES TO BE RESTRAINED.
- 38. CONTRACTOR TO PROVIDE 12 GAUGE TRACKING WIRE ON ALL NON-METALLIC WATER AND SEWER MAINS AND SERVICES.

UTILITY NOTES (CONT.):

- 39. A CITY OF MARGATE RIGHT-OF-WAY USE PERMIT IS REQUIRED WHEN WORKS ARE TO BE PERFORMED IN SUCH ROW.
- 40. CONTRACTOR TO PROVIDE AND MAINTAIN SIGNAGE FOR SIDEWALK CLOSURE AS PER THE ORANGE COUNTY REQUIREMENTS AND FDOT REQUIREMENTS DURING INSTALLATION OF WATERMAIN, SANITARY SEWER FORCEMAIN, SIDEWALK
- 41. FDEP WATER AND WASTEWATER PERMITS ALONG WITH THE CITY'S UTILITIES CONSTRUCTION PERMITS ARE REQUIRED.
- 42. A MINIMUM OF 3 FEET CLEARANCE ON ALL VALVES METER BOXES WITH TREES AND PLANTS. FIRE HYDRANTS SHALL HAVE A MINIMUM CLEARANCE OF 7'-6" AT ITS FRONT AND SIDES AND A 4' MIN. CLEARANCE AT THE

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ABBREVIATIONS & SYMBOLS

- BOTTOM OF BANK
- BACK OF CURB
- BI K BLOCK BACK FLOW PREVENTER
- BENCHMARK
- BURIED POWER CABLE CALCULATED
- C&M CALCULATED & MEASURED
- CONCRETE BLOCK WALL COVERED CONCRETE
- CONCRETE FLUME
- CONCRETE HEAD WALL CHAIN LINK FENCE
- CENTERLINE
- CONCRETE MONUMENT
- CORRUGATED METAL PIPE CO
- CLEAN OUT CONC CONCRETE
- COVD COVERED CONCRETE PAD CONCRETE WALKWAY
- D&M — DEED/DESC & MEASURED
- DRAINAGE EASEMENT
- DESC DESCRIPTION DUMPSTER PAD
- DRIVEWAY
- ELECTRICAL BOX ESMT - EASEMENT EDGE OF PAVEMENT - FLOOD INSURANCE RATE MAP
- FFE FINISHED FLOOR ELEVATION FIRE HYDRANT
- FIRE DEPARTMENT CONNECTION FLOOD LIGHT
- FOUND
- FIBER OPTIC CABLE FLAG POLE
- GAS LINE GAS METER
- GUY WIRE ANCHOR - HANDICAP PARKING
- HANDICAP RAMP INVERT ELEVATION – IRON PIPE
- IRON ROD - STORM JUNCTION BOX
- ARC LENGTH LIGHT POLE
- LANDSCAPED AREA MEAS — MEASURED
- METAL FENCE — METAL LID
- METAL SHED ĺ MITERED END SECTION
- MONITORING WELL
- NAIL & DISK NGVD - NATIONAL GEODETIC
- VERTICAL DATUM NOT TO SCALE
- OVERHEAD ELECTRIC ON LINE
- OFFICIAL RECORDS BOOK
- OW OVERHEAD WIRE – OVERHEAD WALKWAY
- PR– PLAT BOOK
- POINT OF CURVATURE PDOT - PER DEPARTMENT OF TRANSPORTATION
- PER ENGINEERING PLANS PAGE
- POINT OF INTERSECTION P&M - PLAT & MEASURED
- POB POINT OF BEGINNING POINT OF COMMENCEMENT
- POWER POLE
- PARKING SPACES
- POINT OF TANGENCY PLASTIC PIPE
- CURVE RADIUS RAMP
- RCPREINFORCED CONCRETE PIPE
- R/W RIGHT OF WAY
- SANITARY MANHOLE SANITARY LINE SAN
- SIGN SWF - STOCK WIRE FENCE 00.00 - SPOT ELEVATION
- -SD- STORM/DRAIN LINE
- STORM MANHOLE -T- - UNDERGROUND TELEPHONE
- STORM CATCH BASIN
- TOP OF BANK
- TRAFFIC POLE TRAFFIC SIGN
- TRANSFORMER/JUNCTION BOX TR - TELEPHONE RISER - TRAFFIC SIGNAL BOX TSB
- TSW TRAFFIC SIGNAL WIRE CABLE TV RISER
- TYPICAL UTILITY EASEMENT UTILITY POLE
- WATER LINE -W-WF - WOOD FENCE
- WETLAND FLAG WOOD SHED
- WATER VALVE
- $-\!\!\otimes\!\!-$ WATER METER NUMBER

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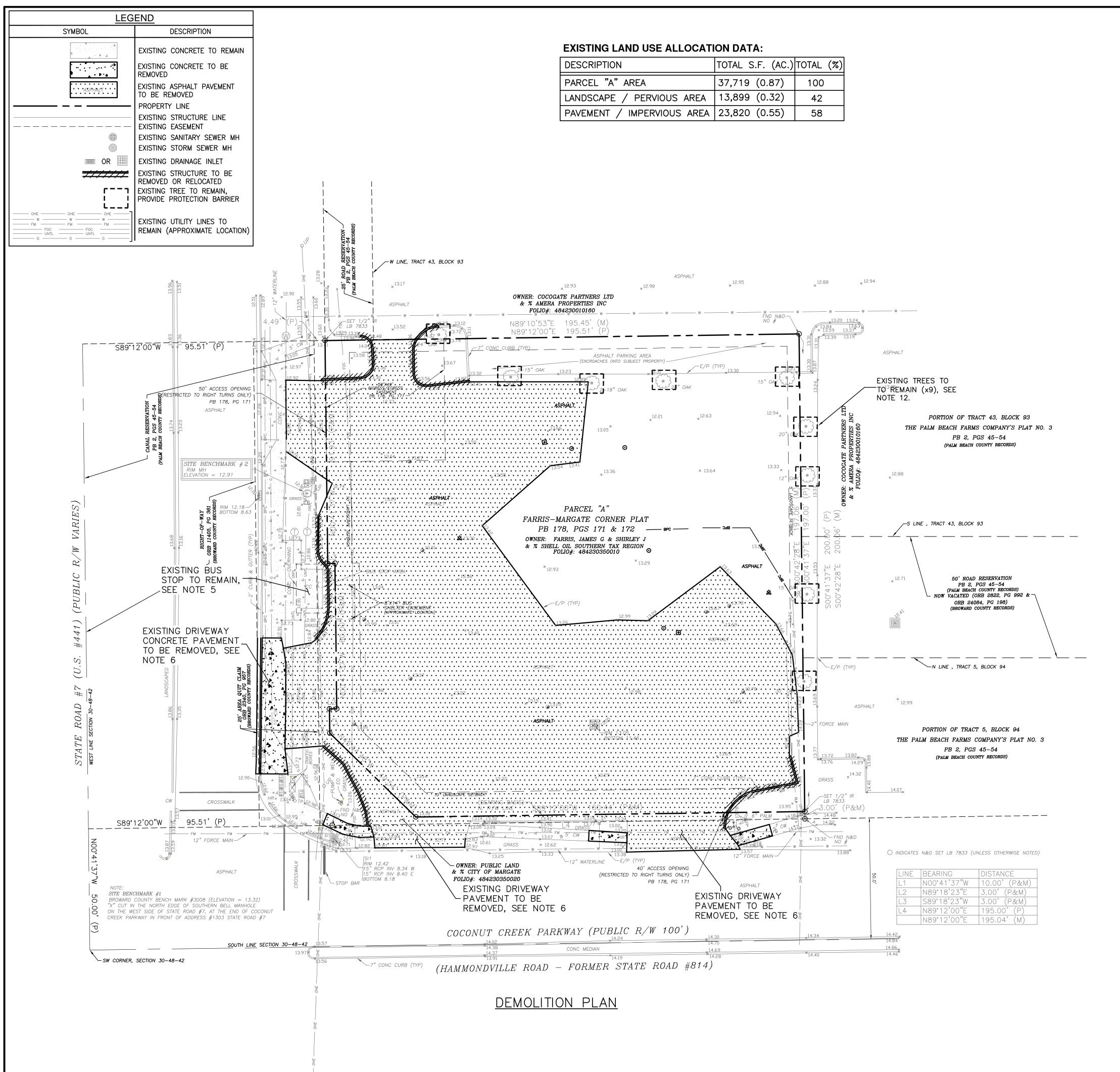
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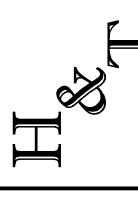


DEMOLITION NOTES:

- 1. CONTRACTOR SHALL OBTAIN ADVANCE APPROVAL FROM PROJET ENGINEERS FOR DIMENSIONS AND LIMITS OF DEMOLITION AND REMOVAL WORKS.
- 2. EROSION & SEDIMENTATION CONTROL PLAN SHOWN ON SHEETS C-10 AND C-11 SHALL BE IMPLANTED AT PROJECT SITE PRIOR TO THE DEMOLITION WORKS AND SHALL BE MAINTAINED AT ALL TIMES DURING PROJECT CONSTRUCTION.
- 3. CONTRACTOR SHALL LOCATE AND REMOVE EXISTING STRUCTURES AND UTILITIES (BOTH ABOVE AND BELOW GRADE) WITHIN DEVELOPMENT AREAS, AS SHOWN ON THIS PLAN. STAKE AND FLAG LOCATION OF UNDERGROUND UTILITIES.
- 4. DO NOT USE DROP HAMMER NEAR EXISTING UNDERGROUND UTILITIES OR OTHER SENSITIVE STRUCTURES.
- 5. PROTECT ADJACENT PUBLIC AND PRIVATE PROPERTY, STRUCTURES, TREES, PLANTS, PAVEMENT, UTILITIES AND ANY OTHER ITEMS DESIGNETED TO REMAIN.
- 6. WHERE EXISTING PAVEMET, CURB, GUTTER OR CONCRETE SLAB IS TO REMAIN, MAKE STRAIGHT SAW CUTS INTO THE EXISTING STRUCTURE TO PROVIDE A CLEAN BREAK PRIOR TO REMOVAL. DO NOT BRAKE CONCRETE PAVEMENT OR BASE WITH DROP HAMMER UNLESS CONCRETE OR BASE HAS BEEN CUT TO A MINIMUM DEPTH OF 2 INCHES.
- 7. REMOVE SIDEWALKS AND CURBS TO NEAREST EXISTING DUMMY, EXPANSION OR CONSTRUCTION JOINT.
- 8. WHERE EXISTING END OF STORM DRAIN PIPE OR END SEWER IS TO REMAIN, INSTALL 8" THICK MANSORY PLUG IN PIPE END PRIOR TO BACKFILL.
- 9. REMOVE ALL DEBRIS FROM SITE IN ACCORDANCE WITH CITY OF MARGATE REQUIREMENTS FOR WASTE METERIAL DISPOSAL
- 10. CONTRACTOR SHALL IMMEDIATLY REPAIR ANY DAMAGE TO EXISTING STRUCTURES MADE DURING DEMOLITION/CONSTRUCTION OPERATIONS. DAMAGED ITEMS SHALL BE RESTORED TO A CONDITION EQUAL OR BETTER THAN THE ACTUAL.
- 11. ALL STRUCTURES AND ITEMS WHITIN THE HATCHED AREA SHALL BE DEMOLISHED AND REMOVED, UNLESS OTHERWISE NOTED IN THIS PLAN. ASSOCIATED APPURTENANCES, SUCH AS PIPES, WIRES, CONDUITS, UNDERGROUND UTILITIES, ETC. SHALL ALSO BE REMOVED WITHIN THE AREA.
- 12. EXISTING TREES BE PROTECTED AND/OR RELOCATED ARE SHOWN IN LANDSCAPE PLANS. SEE SHEET L-1 FOR ADDITIONAL INFORMATION ON PROPOSED SCHEME AND POCEDURES TO BE CARRIED OUT WITH EXISTING TREES AND SHRUB.
- 13. CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT, THROUGH THE CITY'S OFFICE OF THE CITY ENGINEER BRANCH, PRIOR ANY WORK INTO, UPON, OVER, OR UNDER THE CITY'S RIGHT—OF—WAY. ENCROACHMENT PERMIT COVERS TUNNELS, VAULTS, PEDESTRIAN WALKWAYS, BASEMENTS, TIEBACKS, RAILROAD SPURS, PIPELINES, HIGH AND LOW VOLTAGE CIRCUITS, CABLES, CONDUITS, SIGNS, TANKS, BALCONIES, CANOPIES, ETC. FOR THESE PURPOSES THE RIGHT—OF—WAY IS DEFINED AS THE ENTIRE WIDTH BETWEEN THE BOUNDARY LINES OF EVERY STREET WAY WHICH IS HELD BY THE CITY IN FEE OR BY EASEMENT OR DEDICATION; THE TERM 'PUBLIC STREET' SHALL INCLUDE ANY DESIGNATED STATE OR FEDERAL HIGHWAY OR ROAD OR ANY DESIGNATED COUNTY ROAD WHICH IS UNDER THE ADMINISTRATIVE CONTROL OF THE CITY FOR MAINTENANCE, REPAIR OR VEHICULAR TRAFFIC CONTROL PURPOSES.
- 14. CONTRACTOR SHALL OBTAIN A DEMOLITION (DEMO) PERMIT FROM THE CITY OF MARGATE PRIOR ANY DEMOLITION WORK. A DEMO PERMIT IS REQUIRED FOR THE DEMOLITION OF ANY STRUCTURE OR BUILDING REGARDLESS OF WHETHER IT IS A COMMERCIAL OR A RESIDENTIAL PROPERTY. A BUILDING DEMO PERMIT REQUIRES THE REMOVAL OF ALL CONSTRUCTION MATERIALS FROM THE JOBSITE INCLUDING THE BUILDING SLAB (WITH CERTAIN EXCEPTIONS IF APPROVED BY THE BUILDING OFFICIAL). THE SITE MUST BE LEFT FREE OF DEBRIS AND BE LEVEL WITHIN THE BOUNDARIES OF THE PROPERTY. A DEMO PERMIT DOES NOT AUTHORIZE WORK LOCATED IN THE RIGHT—OF—WAY SUCH AS, "SIDEWALKS, DRIVEWAYS, CURBS, OR ACCESSIBILITY RAMPS." DEPENDING ON THE NOISE LEVEL AND DURATION OF THE DEMOLITION, A NOISE PERMIT MAY BE REQUIRED BY THE DEMOLITION CONTRACTOR.



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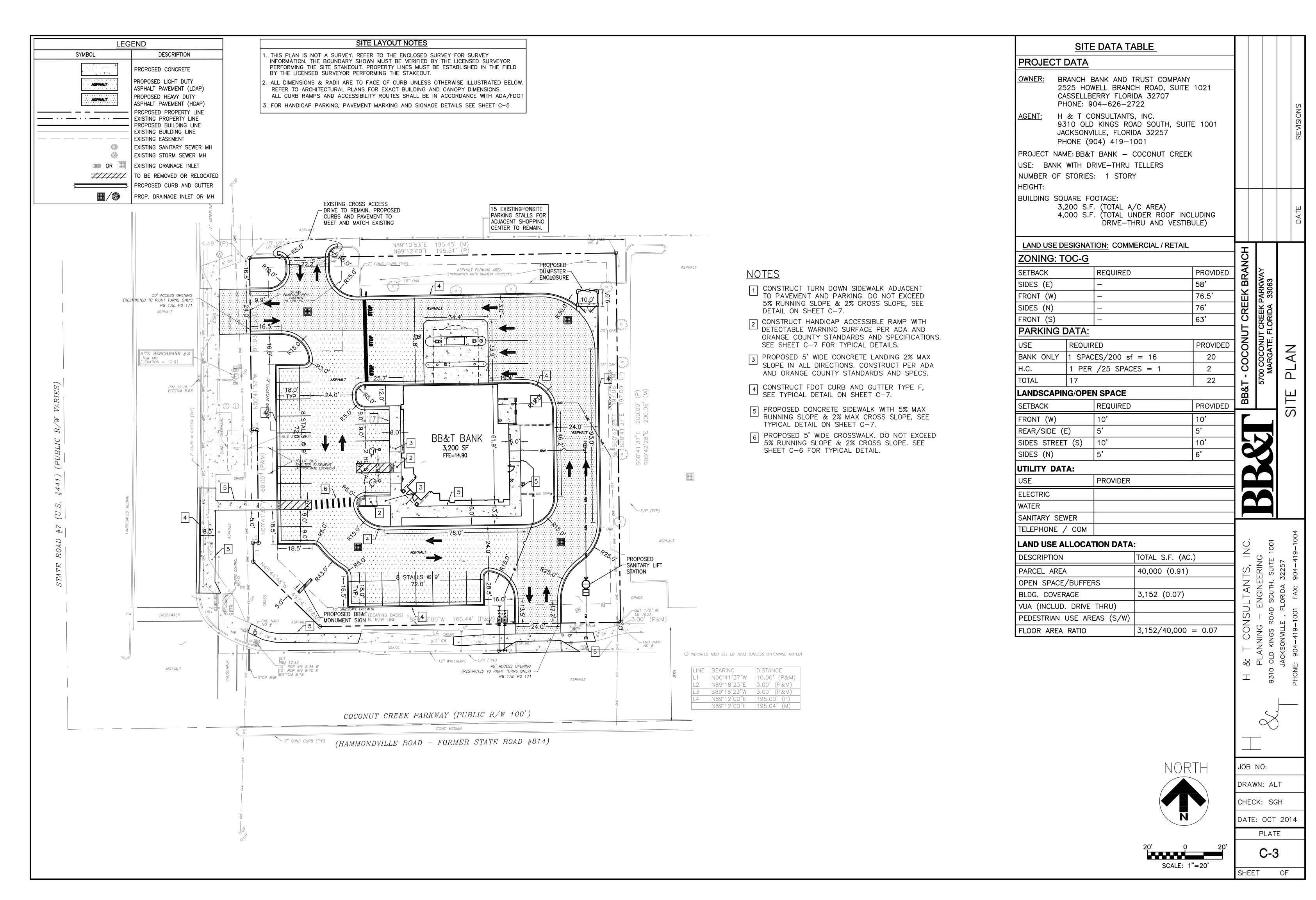
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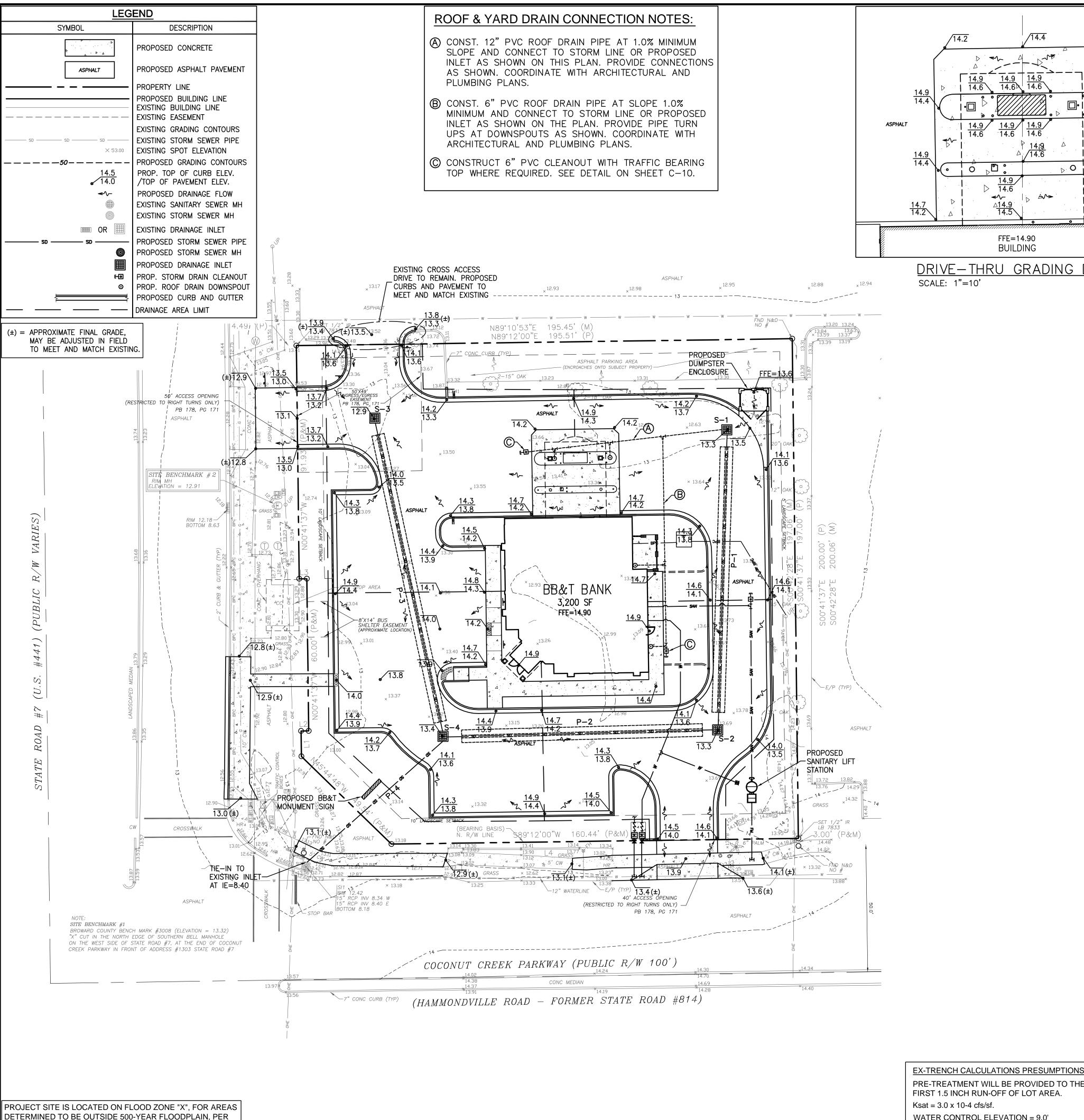
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FEMA FIRM MAP NUMBER 12011C0355H, PANEL 355H, DATED

AUGUST 18, 2014

D 0 : FFE=14.90 BUILDING

DRIVE-THRU GRADING DETAIL

WATER CONTROL ELEVATION = 9.0'

| | DRAINAGE ST | RUCTUR | E TABI | _E | | |
|-----------|-----------------------|------------------------|------------|-----------|-----------|---------------|
| STRUCTURE | TYPE | GRATE/RIM ELEVATION | | INVERT E | | |
| S-1 | TYPE "C" INLET | 13.30 | NORTH — | EAST - | WEST - | SOUTH 8.80 |
| S-2 | TYPE "C" INLET | 13.30 | 8.80 | _ | 8.80 | - |
| S-3 | TYPE "C" INLET | 12.90 | - | _ | _ | 8.80 |
| S-4 | TYPE "C" INLET & WEIR | 13.40 | 8.80 | 8.80 | _ | 8.80 |
| SI1 | EXISTING INLET | 12.42 | 8.40 | *8.40 | *8.34 | *8.18 |
| - | 1 | - | ı | - | _ | _ |
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* EXISTING STORM SEWER INVERT ELEVATIONS TO BE VERIFIED BY CONTRACTOR BEFORE COMMENCING WORK.

STORM PIPE TABLE

- P-1 CONST. 105 L.F. OF EXFILTRATION TRENCH W/15" HDPE PERFORATED PIPE AND 10 L.F. W/15" HDPE NON-PERFORATED PIPE @ S=0%
- P-2 CONST. 95 L.F. OF EXFILTRATION TRENCH W/15" HDPE PERFORATED PIPE AND 10 L.F. W/15" HDPE NON-PERFORATED PIPE @ S=0%
- P-3 CONST. 115 L.F. OF EXFILTRATION TRENCH W/15" HDPE PERFORATED PIPE AND 10 L.F. W/15" HDPE NON-PERFORATED PIPE @ S=0%
- P-4 73 L.F. OF 15" HDPE NON-PERFORATED PIPE @ S=0.55%

DRAINAGE NOTES:

- 1. DRAINAGE STRUCTURES SHALL BE CONSTRUCTED PER FDOT STANDARDS AND SPECIFICATIONS, INDEXES 200, 201, 232 & 234 AND CITY OF MARGATE STANDARD DRAWINGS AND SPECIFICATIONS. (ALL STRUCTURES AND TOPS SHALL BE TRAFFIC
- 2. STORM DRAIN PIPES SHALL BE INSTALLED USING BEDDING AND TRENCHING TYPE "A", PER CITY OF MARGATE STANDARD DETAILS, UNLESS OTHERWISE INDICATED BY THE ENGINEER. SEE STANDARD DETAIL ON SHEET C-10.
- 3. ALL HDPE STORM PIPE CONNECTIONS AND JOINTS SHALL HAVE PREMIMUM WATER TIGHT COUPLER CONNECTIONS AND BE WRAPPED WITH FILTER CLOTH SEE PIPE CONNECTION DETAIL ON DETAIL SHEET C-10.
- 4. INSTALL SKIMMERS TYPE 1 ON STRUCTURES S-1, S-2, S-3 AND S-4 AT BOTH PIPE OPENINGS (INLET AND OUTLET PIPES) PER FDOT INDEX NO. 241.

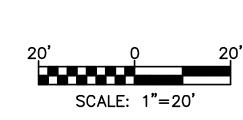
EROSION CONTROL NOTES:

- 1. ALL AREAS DISTURBED AND LEFT FOR MORE THAN 30 DAYS MUST BE SEEDED AND MULCHED UNLESS OTHERWISE NOTED. CONTRACTOR MUST MAINTAIN NEWLY GRADED AREAS AND REPAIR AREAS WHERE SETTLING AND EROSION HAVE OCCURRED.
- 2. CONTRACTOR MUST PROVIDE ALL MATERIALS AND TAKE WHATEVER MEANS NECESSARY TO PREVENT THE EROSION OF AND DEPOSIT OF SEDIMENT ON ADJACENT AND DOWNSTREAM PROPERTIES. CONTRACTOR MUST IMPLEMENT AND PROVIDE SUITABLE EROSION CONTROL MEASURES (I.E. SEDIMENTATION BARRIERS, HAYBALES, SILTATION CURTAINS, TEMPORARY DETENTION DISTILLING BASINS, ETC.) TO ENSURE THE CONTROL OF STORMWATER RUNOFF. THIS PLAN DESCRIBES THE MINIMUM AMOUNT OF EROSION PROTECTION REQUIRED BY PROPOSED ACTIVITIES. IN THE EVENT OF UNFORSEEN EROSION, OTHER MEASURES OF EROSION CONTROL (EROSION CONTROL ACTIVITIES SUCH AS THOSE LISTED ABOVE) WILL BE REQUIRED.
- 3. TURBIDITY BARRIERS MUST BE INSTALLED AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATERBODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST REMAIN IN PLACE AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND SOILS ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED. THEREAFTER THE PERMITTEE WILL BE RESPONSIBLE FOR THE REMOVAL OF THE BARRIERS.
- 4. PERMANENT VEGETATIVE COVER MUST BE ESTABLISHED ON ALL EXPOSED LAND SURFACES WITHIN ONE YEAR FROM THE DATE THE CONSTRUCTION IS COMPLETE.
- 5. CONTRACTOR SHALL PLACE SILT FENCE ALONG PROPERTY LINE AROUND THE ENTIRE SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION. SEE SHEETS C-12 AND C-13 FOR ADDITIONAL DETAILS ON EROSION CONTROL.

| PREVIOUS LAND USE ALLOCATION DATA: | | | | | |
|------------------------------------|------------------|-----------|--|--|--|
| DESCRIPTION | TOTAL S.F. (AC.) | TOTAL (%) | | | |
| PARCEL "A" AREA | 37,719 (0.87) | 100 | | | |
| PAVEMENT / IMPERVIOUS AREA | 30,994 (0.71) | 82 | | | |
| LANDSCAPE / PERVIOUS AREA | 6,725 (0.16) | 18 | | | |
| | | | | | |

| PROPOSED LAND USE ALLOCATION DATA: | | | | | |
|------------------------------------|------------------|-----------|--|--|--|
| DESCRIPTION | TOTAL S.F. (AC.) | TOTAL (%) | | | |
| PARCEL "A" AREA | 37,719 (0.87) | 100 | | | |
| BUILDING & DRIVE-THRU AREA | 7,200 (0.17) | 20 | | | |
| PAVEMENT & SIDEWALK AREAS | 22,829 (0.52) | 60 | | | |
| TOTAL IMPERVIOUS AREAS | 30,029 (0.69) | 79 | | | |
| LANDSCAPE / PERVIOUS AREA | 7,690 (0.18) | 21 | | | |





C-4 SHEET

JOB NO:

DRAWN: ALT

CHECK: SGH

DATE: OCT-31-14

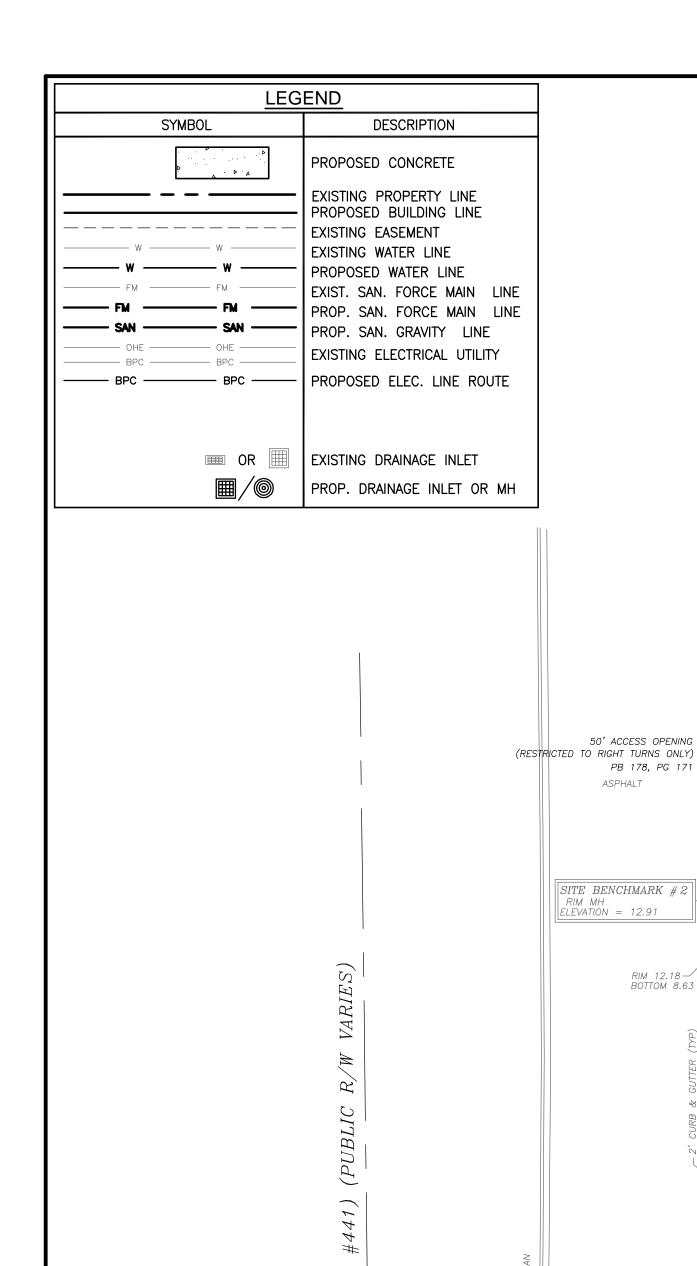
PLATE

OF

ING.

CONSULTANTS, NING - ENGINEERIN

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PB 178, PG 171

ASPHALT

CROSSWALK

12" FORCE MAIN-

ASPHALT

UTILITY COMPANIES

N89°10'53"E 195.45' (M)

PROPOSED LIFTSTATION

ELECTRICAL PANEL.

CONST. 4" SDR 35 PVC SAN. CLEANOUT.

INV. EL. = 9.9 BB&T BANK

3,200 SF 4" SAN.

FFE=14.90 SERVICE

1" WATER

A . A . A . A . . A .

40' ACCESS OPENING

PB 178, PG 171

(RESTRICTED TO RIGHT TURNS ONLY) -

AND IRRIGATION SERVICE

CONNECTIONS SEE DETAIL

"A" THIS SHEET

PROPOSED POTABLE WATER

SERVICE

TOP EL. = 14.8

PROP. 1-1/2" WATER SERVICE. —

UTILITIES STANDARDS AND

REQUIREMENTS.

EXISTING FIRE

7" CONC CURB (TYP) (HAMMONDVILLE ROAD - FORMER STATE ROAD #814)

HYDRANT

MONUMENT SIGN (BEARING BASIS)
N. R/W LINE

CONSTRUCT. PER CITY OF MARGATE

\$89°12'00"W 160.44

COCONUT CREEK PARKWAY (PUBLIC R/W 100')

ASPHALT PARKING AREA

WATER & SANITARY SEWER: CITY OF MARGATE DEPT. OF ENVIRONMENTAL & ENGINEERING SERVICES CONTACT: KELLY McATEE, P.E. (954) 972 - 0828901 NW 66th AVENUE, SUITE A

BUS STOP AREA

|SI1 |RIM 12.42 |15" RCP INV 8.34 W |15" RCP INV 8.40 E |BOTTOM 8.18

8'X14' BUS
SHELTER EASEMENT
(APPROXIMATE LOCATION)

MARGATE, FLORIDA 33063 ELECTRIC: FLORIDA POWER AND LIGHT CO. CONTACT: BARRY THOMPSON PHONE: (954) 956-2028

392 U.S. 17. EAST PALATKA. FL 32131

NOTE: GC SHALL FEILD VERIFY ALL EXISTING UTILITY STORM WATER: AND STORM SEWER INVERT ELEVATIONS AND LOCATIONS, SOUTH FLORIDA WATER BEFORE COMMENCING WORK. GC SHALL NOTIFY THE MANAGEMENT DISTRICT PHONE: 1-800-432-2045 ENGINEER OF ANY DISCREPANCIES. 3301 GUN CLUB ROAD, WEST PALM BEACH, FL 33406

PROPOSED

+ELECTRICAL TRANSFORMER

CONNECT TO EXISTING 12" SAN. FORCE MAIN LINE WITH 12"X2" DOUBLE STRAP

SADDLE WITH 2" CORP STOP.

CONSTRUCT PER CITY OF MARGATE STANDARDS AND REQUIREMENTS.

PROPOSED ELEC. SERVICE. SEE

CONST. 4" SDR 35 PVC SAN.

TOP TO BE TRAFFIC BEARING.

MARGATE STANDARDS AND REQUIREMENTS.

CONSTRUCTION.

PROPOSED SANITARY SEWER

(S) 2" FORCEMAIN INV=10.25

LINE TO BE REMOVED.

SÉE SHEET C-9 FOR DETAILS.

PROPOSED 3/4" WATER LINE BRANCH SERVICE AND WATER

HOSE BIB WITH VACUUM BREAKER. CONSTRUCT PER CITY OF

-EXISTING ONSITE 2" SAN. FORCE MAIN

PLUG AND ABANDON IN PLACE EXISTING 2"

GC SHALL LOCATE AND CLOSE EXISTING 2"

SANITARY FORCE MAIN AND CONNECTION.

SANITARY FORCE MAIN VALVE PRIOR TO

CONSTRUCT 2" SDR 21 PVC SANITARY

OTHERWISE. CONSTRUCT PER CITY OF

FORCE MAIN. PROPOSED FORCE MAIN SHALL

PAVEMENT/GRADE, AND 1' (MIN) CLEARENCE

MARGATE STANDARDS AND REQUIREMENTS.

HAVE 3' (MIN) COVER FROM TOP OF EXISTING

BETWEEN EXISTING UTILITIES, UNLESS STATED

NOTE: FOR CITY OF MARGATE UTILITY DETAILS.

NOTES, SPECIFICATIONS AND REQUIREMENTS

SEE DETAIL SHEET C-8 AND 8A.

– CONST. 72 LF 6" SDR 35 PVC SAN.

SEWER SERVICE @

LIFT STATION.

-(N) 6" INV= 8.79

S=1.0% MIN.

ELEC. DWG FOR DETAILS.

CLEANOUT.

TOP EL. = 14.5

INV. EL. = 9.51

ASPHALT

CONST. 41LF 6"SDR 35

PVC SAN.

SERVICE @

S=1.0% MIN.

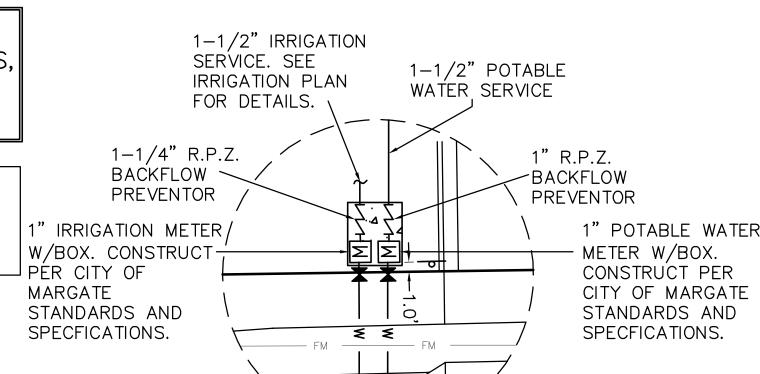
SEWER

PROPOSED

DUMPSTER'

ENCLOSURE

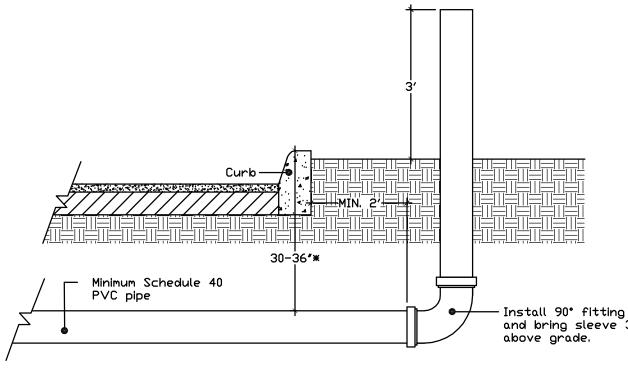
NOTE: GC AND ELEC. SUB CONTRACTOR TO CONTACT & COORDINATE WITH THE CITY OF MARGATE UTILITIES DEPT. AND FPL PRIOR TO CONSTRUCTION.



CONNECT TO EXISTING 12" WATER LINE W/ 12" X 1" DOUBLE STRAP SADDLE _W/ 1" CORP STOP. GC SHALL COORDINATE WITH CITY OF MARGATE AND CONSTRUCT PER CITY OF MARGATE STANDARDS AND REQUIREMENTS.

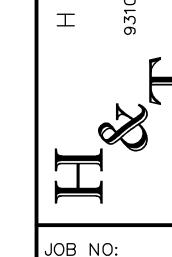
DETAIL "A"

NTS



SITE UTILITY NOTES:

- CONTRACTOR TO COORDINATE LOCATIONS OF UNDERGROUND IRRIGATION SLEEVING PRIOR TO PAVING. SEE LANDSCAPE AND IRRIGATION
- CONTRACTOR TO SUPPLY AND INSTALL ALL TEMS AND PERFORM WORK NOT COVERED BY UTILITY COMPANIES, VERIFY INSTALLATION PROCESS AND REQUIREMENTS WITH UTILITY
- 3. CONTRACTOR TO COORDINATE LOCATIONS OF UNDERGROUND CONDUIT FOR SITE LIGHTING
- OF MARGATE UTILITIES (SANITARY & WATER) PRIOR TO CONSTRUCTION AND AGAIN PRIOR TO
- 6. ALL UTILITY CROSSINGS SHALL MAINTAIN A MIN. OF 12" CLEARENCE, CONSTRUCT PER THE CITY OF MARGATE UTILITIES SPECIFICATIONS AND



DRAWN: ALT

CHECK: SGH

DATE: OCT 2014

PLATE

C-5

OF

SHEET

& T CONSULTANTS, INC.
PLANNING – ENGINEERING
OLD KINGS ROAD SOUTH, SUITE 1001
ACKSONVILLE, FLORIDA 32257

BRANCH

CREEK

COCONUT

BB&

F



SCALE: 1"=20'

*If edge of pavement is not curbed, sleeve shall be 30-36" below pavement. SLEEVE INSTALLATION DETAIL

PLANS.

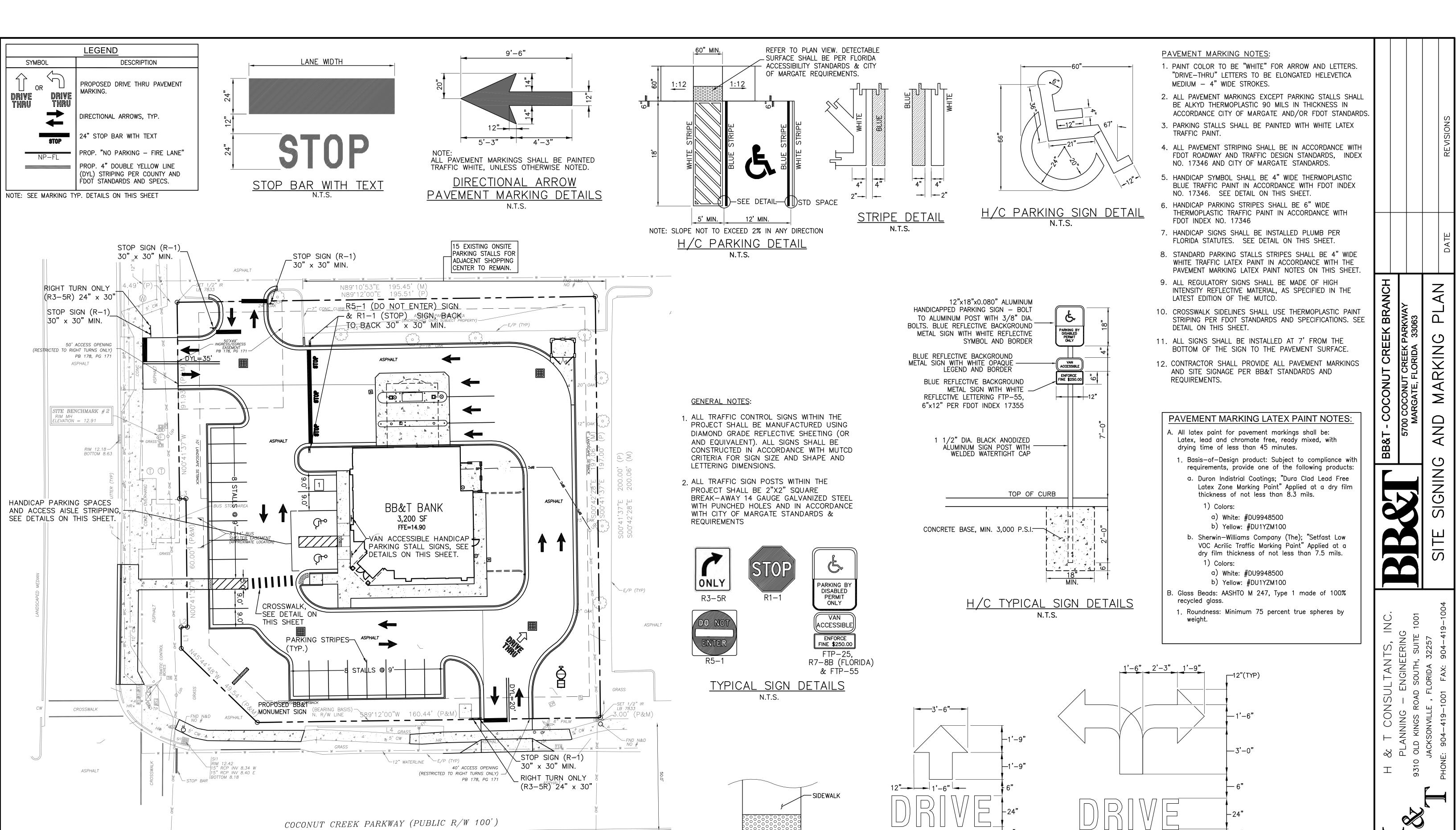
COMPANIES.

PRIOR TO PAVING. SEE SITE LIGHTING PLANS.

4. CONTRACTOR TO CONTACT THE OPERATOR/CITY TYING NTO DISTRICT FACILITIES.

5. ALL UTILITY CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF MARGATE STANDARDS AND REQUIREMENTS.

REQUIREMENTS.



12" SOLID WHITE STRIPE -

CROSSWALK DETAIL NOT TO SCALE

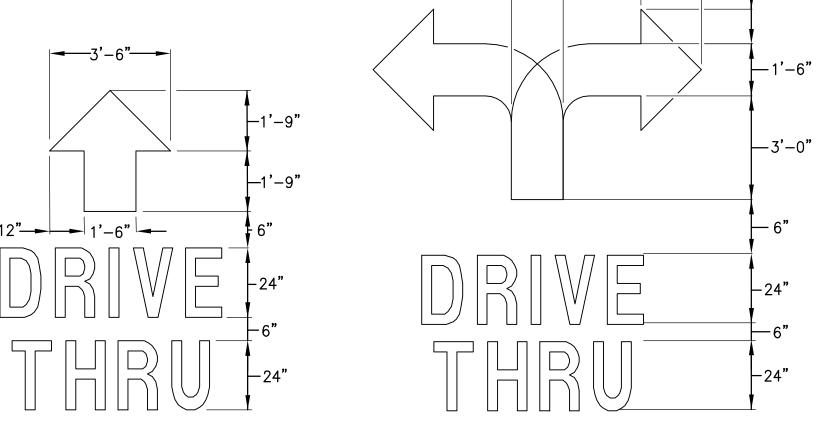
ADA CROSSWALK STRIPING SHALL

BE IN ACCORDANCE WITH THE CITY OF MARGATE STANDARDS

AND REQUIREMENTS.

CONC MEDIAN

CONC CURB (TYP) (HAMMONDVILLE ROAD - FORMER STATE ROAD #814)



DRIVE-THRU PAVEMENT MARKING DETAILS



SCALE: 1"=20'

SHEET 6 OF

JOB NO:

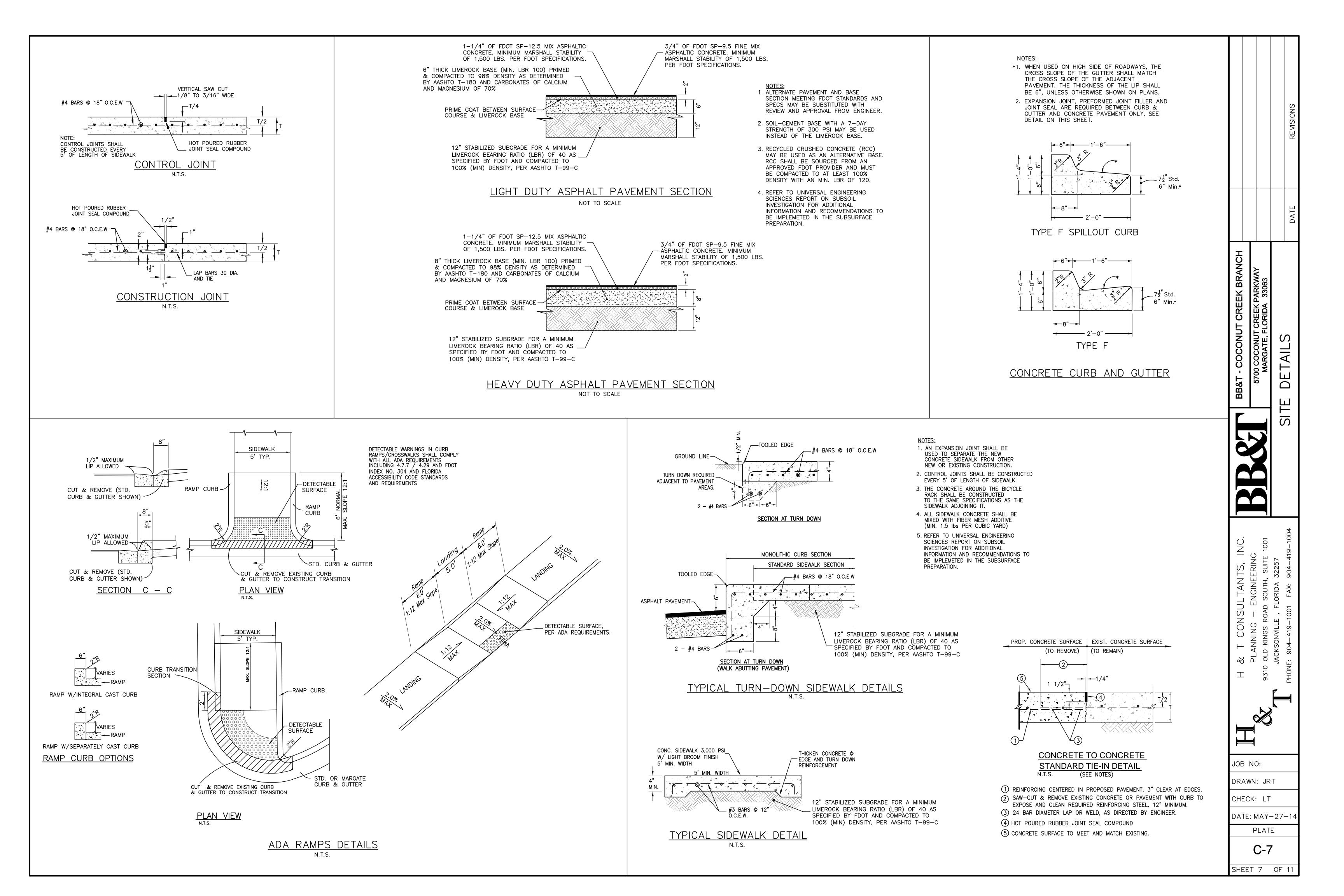
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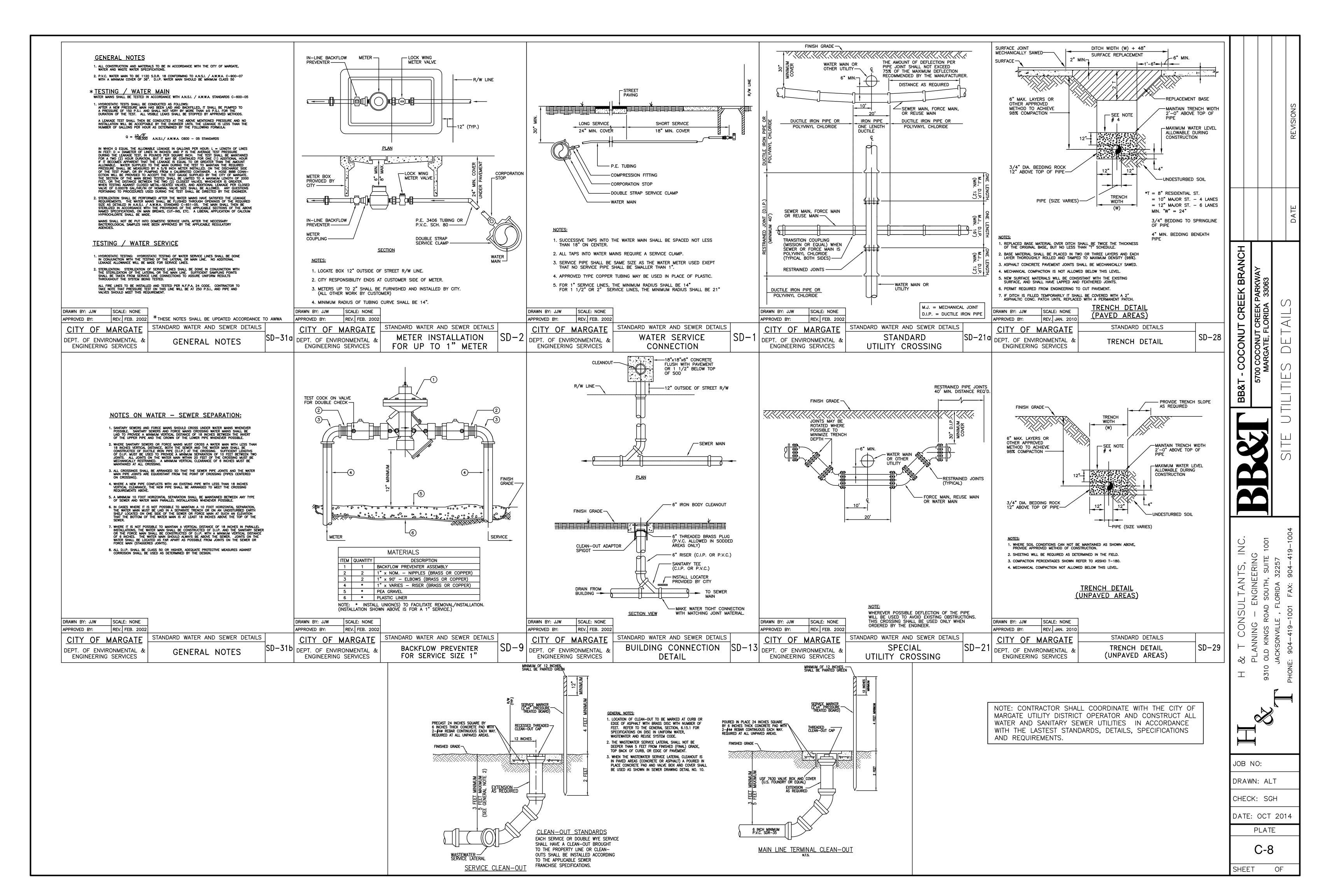
CHECK: SGH

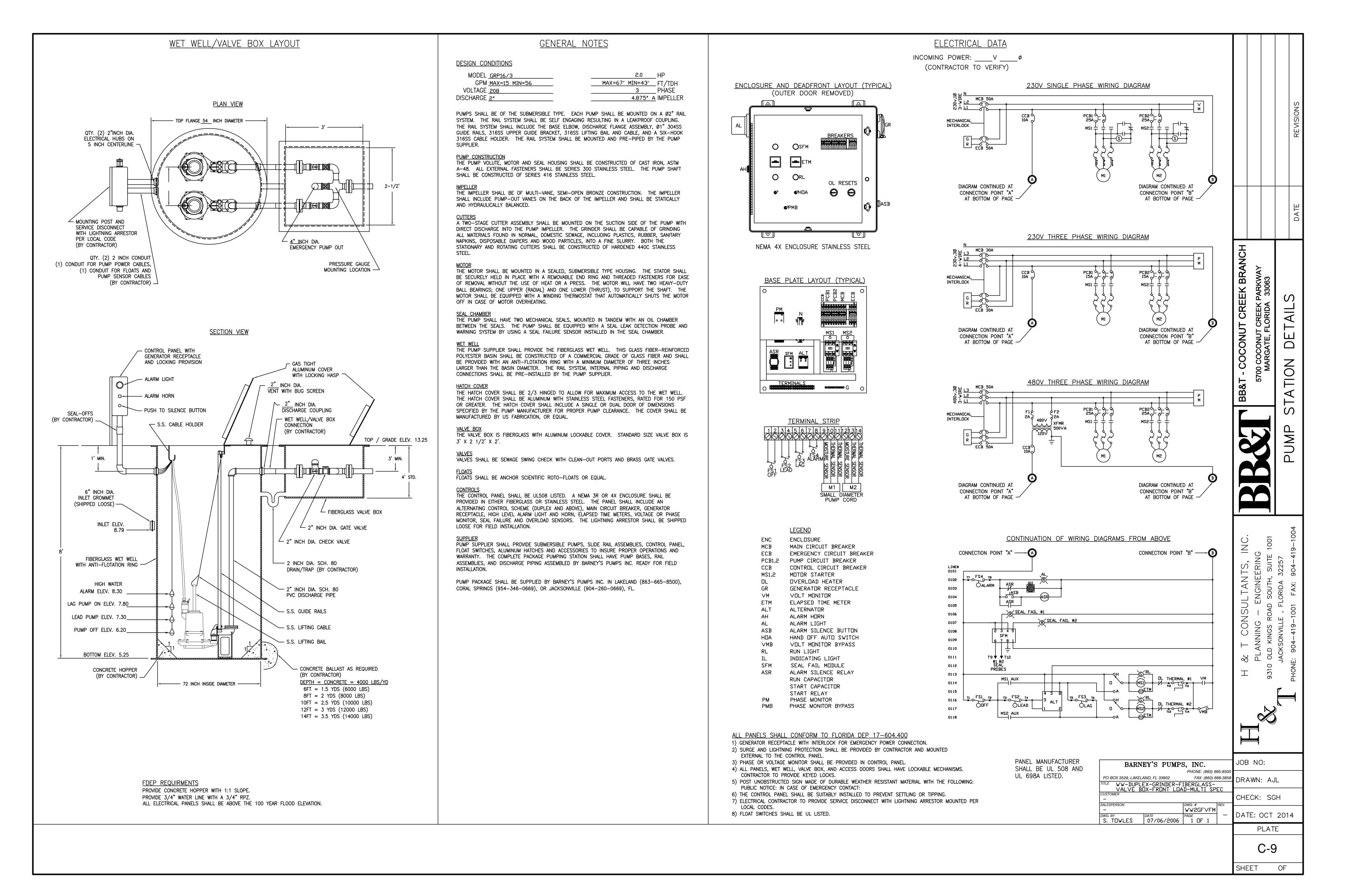
DATE: OCT 2014

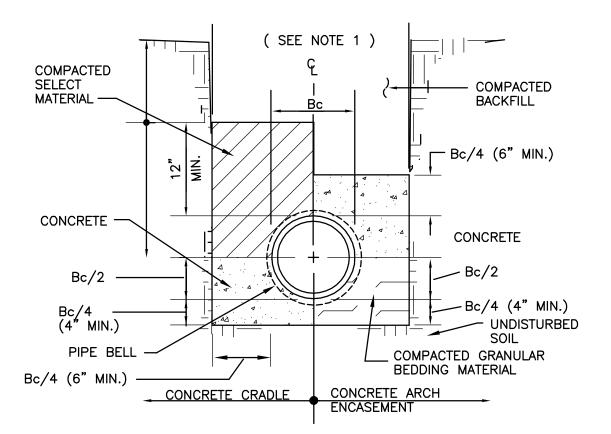
PLATE

C-6

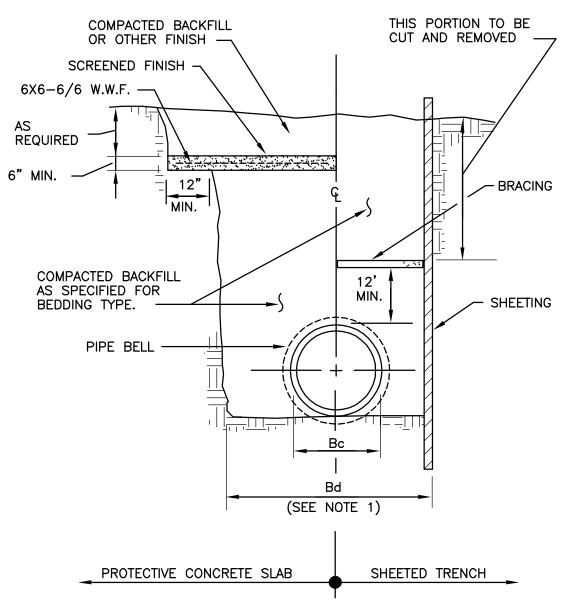


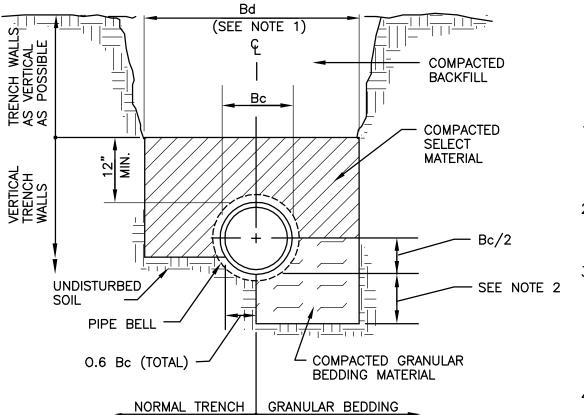






CLASS "A" BEDDING-SPECIAL CONDITIONS





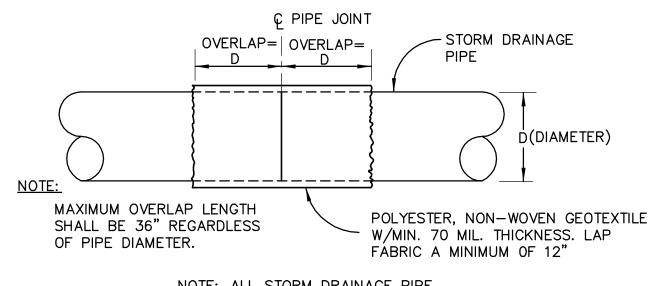
CLASS "B" BEDDING-NORMAL CONDITIONS

BEDDING AND TRENCHING NOTES

SPECIAL DETAIL

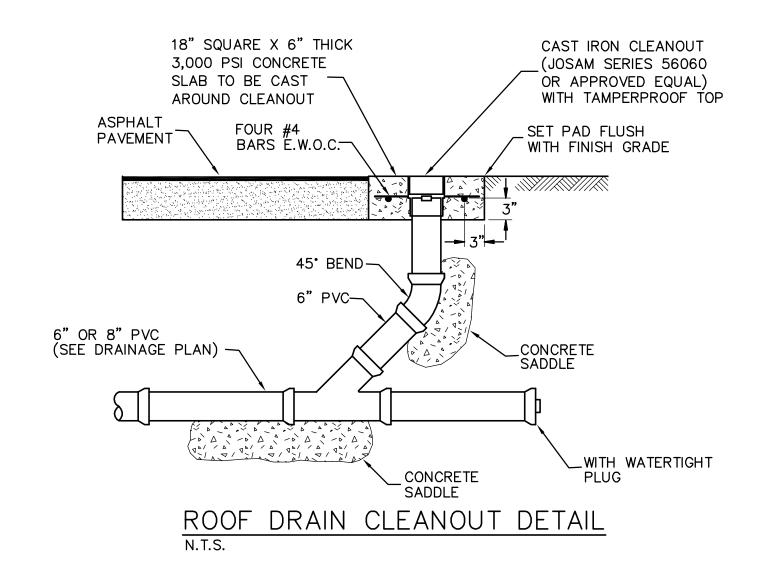
- Bc = PIPE O.D. Bd = TRENCH WIDTH AT TOP OF PIPE
- Bd = Bc + 24"Bd = MAX. DIM. OF BELL + 8" (UNSHEETED TRENCH) MAX. DIM. OF BELL + 12" (SHEETED TRENCH)
- DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL BE AS REQUIRED TO REACH SUITABLE FOUNDATION FOR NON— CUSHIONING MATERIAL, DEPTH SHALL BE 6" BELOW BOTTOM OF UTILITY.
- SHEETING SHALL BE DRIVEN BELOW THE UTILITY INVERT
 IF REQUIRED FOR LATERAL SUPPORT OR UNSUITABLE MATERIAL REMOVAL. WHERE DRIVEN BELOW PIPE INVERT, SHEETING SHALL BE CUT OFF A MINIMUN OF 12" ABOVE TOP OF PIPE, OR HIGHER AS AUTHORIZED BY THE ENGINEER, AND LEFT IN PLACE. IN NO CASE SHALL SHEETING LEFT IN PLACE EXTEND HIGHER THAN 30" BELOW SURFACE GRADE UNLESS SPECIFICALLY APPROVED. BRACING SHALL BE APPROVED AS REQUIRED.
- PROTECTIVE CONCRETE SLABS ARE REQUIRED WHENEVER DEPTH OF COVER IS LESS THAN 36" AND IF APPROVED BY THE
- 5. BACKFILL TO BE COMPACTED TO 98% DENSITY OF AASHTO T180 MOTIFIED PROCTOR IN AREAS TO BE PAVED AND 95% AT ALL OTHERS.

PIPE BEDDING & TRENCHING DETAILS FOR NON-PERFORATED PIPE

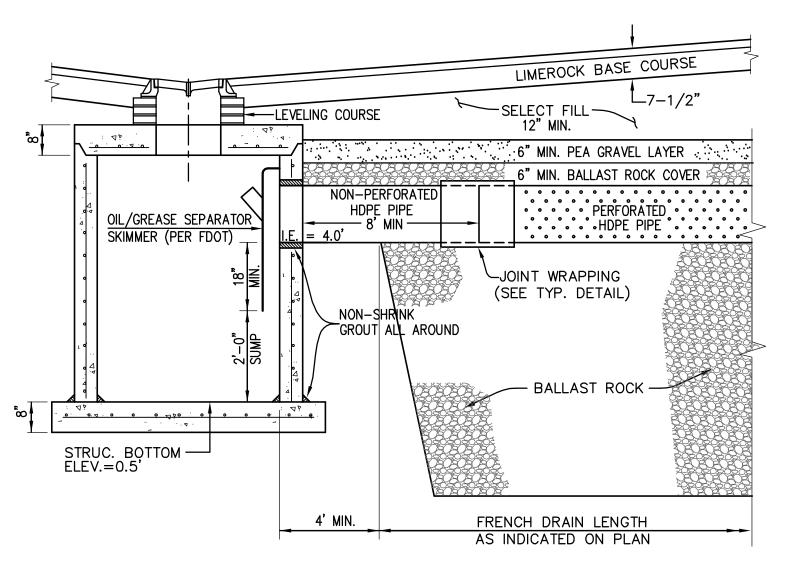


NOTE: ALL STORM DRAINAGE PIPE JOINTS SHALL BE WRAPPED WITH FILTER FABRIC.

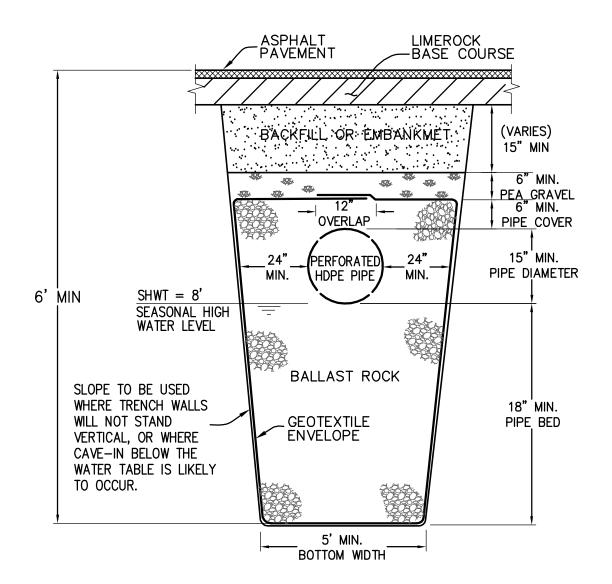
JOINT WRAPPING DETAIL



- 1. WOVEN GEOTEXTILE FABRIC (AT EACH SIDE, TOP AND BOTTOM) SHALL BE USED IN SANDY OR FILLED AREAS. USE TYPE D-3 PER FDOT INDEX 199.
- 2. WASH DOWN THE BALLAST ROCK WITH CLEAN WATER AFTER ROCK HAS BEEN PLACED TO THE PROPER ELEVATION TO ALLOW FOR INITIAL SETTLEMENT THAT MAY OCCUR. ADD ADDITIONAL BALLAST ROCK TO RESTORE ROCK TO THE PROPER ELEVATION IN ACCORDANCE WITH THE DETAILS.
- 3. SEE FDOT INDEX 241 FOR OUTLET PIPE SKIMMER DETAILS.



LONGITUDINAL SECTION



CROSS SECTION

EXFILTRATION TRENCH TYPICAL DETAILS
N.T.S.



C-10

JOB NO:

SCALE: 1"=20'

JUT CREEK BRANCH
UT CREEK PARKWAY
., FLORIDA 33063

LANNING – ENGINEERING

SLD KINGS ROAD SOUTH, SUITE 1001

ACKSONVILLE, FLORIDA 32257

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DRAWN: ALT CHECK: SGH DATE: OCT-31-14 PLATE

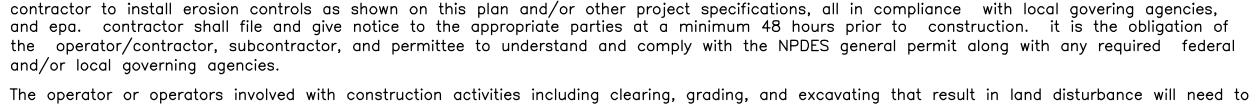
SHEET OF

| | | STORM WATER POL | LUTION PREVENTION PLAN | | | |
|---|---|--|---|---|---|--------------------------------|
| OWNER'S REQUIREMENTS | | CONTRA | ACTOR'S REQUIREMENTS | | | |
| SITE DESCRIPTION | GENERAL | STABILIZATION PRACTICES EROSION AND SEDIMENT CONTROLS(cont.) | OTHER CONTROLS | HAZARDOUS PRODUCTS | MAINTENANCE/INSPECTION PROCEDURES(cont) | _ |
| PROJECT NAME AND LOCATION: BB&T - COCONUT CREEK BRANCH 5700 COCONUT CREEK PARKWAY | THE CONTRACTOR SHALL AT A MINIMUM IMPLEMENT THE CONTRACTOR'S REQUIREMENTS OUTLINED BELOW AND THOSE MEASURES SHOWN ON THE EROSION | 4(cont) CONSTRUCTED ON UNDISTURBED SOIL AND THE AREA BELOW THE LEVEL LIP IS STABILIZED. THE WATER SHOULD NOT BE ALLOWED TO RECONCENTRATE AFTER RELEASE. LEVEL SPREADER SHALL BE CONSTRUCTED IN ACCORDANCE TO CITY STANDARD DETAIL D-914. | WASTE DISPOSAL WASTE MATERIALS | THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS. | * SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND. | |
| MARGATE, FLORIDA 33063 OWNER NAME AND ADDRESS: | AND TURBIDITY CONTROL PLAN. IN ADDITION THE CONTRACTOR SHALL UNDERTAKE ADDITIONAL MEASURES REQUIRED TO BE IN COMPLIANCE WITH APPLICABLE PERMIT CONDITIONS AND STATE WATER QUALITY STANDARDS. DEPENDING ON THE NATURE | 5. STOCKPILING MATERIAL: NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE INTO ANY ADJACENT WATER BODY OR STORM WATER | ALL WASTE MATERIALS EXCEPT LAND CLEARING DEBRIS SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT | * PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE. * ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION. | * THE SEDIMENT BASINS WILL BE INSPECTED FOR THE DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES 10 | |
| BRANCH BANK & TRUST CO. 2525 HOWELL BRANCH ROAD, SUITE 1021 CASSELLBERRY FLORIDA 32707 | OF MATERIALS AND METHODS OF CONSTRUCTION THE CONTRACTOR MAY BE REQUIRED TO ADD FLOCCULANTS TO THE RETENTION SYSTEM PRIOR TO PLACING THE SYSTEM INTO OPERATION. | COLLECTION FACILITY. 6. EXPOSED AREA LIMITATION: THE SURFACE AREA OF OPEN, RAW ERODIBLE SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR | REGULATIONS. THE DUMPSTER WILL BE EMPTIED AS NEEDED AND THE TRASH WILL BE HAULED TO A STATE APPROVED LANDFILL. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT | * IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE | PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB, WHICHEVER COMES FIRST. | |
| DESCRIPTION: CONSTRUCT NEW BUILDING AND PARKING LOT. | SEQUENCE OF MAJOR ACTIVITIES: | EXCAVATION AND FILLING OPERATIONS SHALL NOT EXCEED 10 ACRES. THIS REQUIREMENT MAY BE WAIVED FOR LARGE PROJECTS WITH AN EROSION CONTROL PLAN WHICH DEMONSTRATES THAT OPENING OF | PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED AT THE CONSTRUCTION SITE BY THE CONSTRUCTION SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES | PRODUCT SPECIFIC PRACTICES THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE: | * DIVERSION DIKES/SWALES WILL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED. | |
| PROVIDE NEW SMS AS REQUIRED TO ACCOMMODATE IMPROVEMENTS PER AUTHORITIES WITH JURISDICTION. SOIL DISTURBING ACTIVITIES WILL INCLUDE: SITE CLEARING, GRADING, EXCAVATIONS, CONSTUCTION OF FACILITY | THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS: 1. INSTALL STABILIZED 9. INSTALL STORM SEWER, | ADDITIONAL AREAS WILL NOT SIGNIFICANTLY AFFECT OFF-SITE DEPOSIT OF SEDIMENTS. 7. INLET PROTECTION: INLETS AND CATCH BASINS WHICH DISCHARGE | THE DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED. | PETROLEUM PRODUCTS | * TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH. | |
| RUNOFF CURVE NUMBERS: 1. PRE-CONSTRUCTION = 76 | CONSTRUCTION ENTRANCE AND IRRIGATION. 2. INSTALL SILT FENCES AND HAY BALES AS REQUIRED INSTALL PERMANENT OFFICIAL PERMANENT | DIRECTLY OFF-SITE SHALL BE PROTECTED FROM SEDIMENT-LADEN STORM RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET. | HAZARDOUS WASTE ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE | ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED | * A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. A COPY OF THE REPORT FORM TO BE COMPLETED BY THE INSPECTOR IS ATTACHED. | |
| 2. DURING CONSTRUCTION = 743. POST-CONSTRUCTION = 86 | 3. CLEAR AND GRUB FOR DIVERSION SWALES/DIKES AND SEDIMENT BASIN SEEDING/SOD AND PLANTING 11. REMOVE ACCUMULATED SEDIMENT FROM BASINS | 8. TEMPORARY SEEDING: AREAS OPENED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPATED TO BE RE-EXCAVATED OR DRESSED AND RECEIVE FINAL GRASSING TREATMENT WITHIN 30 DAYS SHALL BE SEEDED | MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES AND THE SITE SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR | CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. | THE REPORTS WILL BE KEPT ON SITE DURING CONSTRUCTION AND AVAILABLE UPON REQUEST TO THE OWNER, ENGINEER OR ANY FEDERAL, STATE OR LOCAL AGENCY APPROVING SEDIMENT AND AND EROSION PLANS, OR STORM WATER MANAGEMENT PLANS. | |
| SOILS: 55% - POMPANO FINE SAND (0% TO 5% SLOPES) 45% - UDORTHENTS (0% TO 5% SLOPES) | 4. CONSTRUCT SEDIMENTATION BASIN 12. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE 5. CONTINUE CLEARING AND SITE IS STABILIZED, REMOVE ANY | WITH A QUICK GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS PLANTED AND WILL NOT LATER COMPETE WITH THE PERMANENT GRASSING. | SEEING THAT THESE PRACTICES ARE FOLLOWED. SANITARY WASTE | FERTILIZERS FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS | THE REPORTS SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED AND THE NOTICE OF | A ANC |
| SITE MAPS: * SEE USDA SCS, CITY OF MARGATE SOIL SURVEY * SEE USGS QUADRANGLE MAP ", FLORIDA" * SEE ATTACHED EROSION & TURBIDITY CONTROL PLAN FOR | GRUBBING TEMPORARY DIVERSION 6. STOCK PILE TOP SOIL IF REQUIRED SWALES/DIKES AND RESEED/SOD AS REQUIRED | 9. TEMPORARY SEEDING AND MULCHING: SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN PARAGRAPH 8 ABOVE SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES | ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NEEDED TO PREVENT POSSIBLE SPILLAGE. THE WASTE WILL BE COLLECTED AND DEPOSED OF IN ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL | RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED AREA. THE CONTENTS OF ANY | TERMINATION IS SUBMITTED THE REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE. | :K BR. 33063 |
| TEMPORARY STABILIZATION PRACTICES, AND TURBIDITY BARRIERS * SEE GENERAL NOTES FOR REQUIRMENTS FOR TEMPORARY AND PERMANENT STABILIZATION. | 7. PERFORM PRELIMINARY GRADING ON SITE AS REQUIRED 8. STABILIZE DENUDED AREAS AND | LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDED AREA ADEQUATE TO PREVENT MOVEMENT OF SEED AND MULCH. 10. TEMPORARY GRASSING: THE SEEDED OR SEEDED AND MULCHED AREA(S) | REGULATIONS FOR SANITARY SEWER OR SEPTIC SYSTEMS. OFFSITE VEHICLE TRACKING | PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS. | * THE SITE SUPERINTENDENT WILL SELECT UP TO THREE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT. | CREE SREEK P ORIDA |
| SITE AREA: 1. TOTAL AREA OF SITE = 0.87 AC 2. TOTAL AREA TO BE DISTURBED = 0.87 AC | STOCKPILES AS SOON AS PRACTICABLE | SHALL BE ROLLED AND WATERED OR HYDROMULCHED OR OTHER SUITABLE METHODS IF REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER. | A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEPT DAILY TO REMOVE ANY EXCESS | PAINTS ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT | * PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE | NUT ONUT O |
| NAME OF RECEIVING WATERS: CITY OF MARGATE CANAL C-14, NORTH OF THE PROJECT SITE | AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE SILT FENCES | TEMPORARY GRASSING SHALL BE THE SAME MIX & AMOUNT REQUIRED FOR PERMANENT GRASSING IN THE CONTRACT SPECIFICATIONS. 11. TEMPORARY REGRASSING: IF, AFTER 14 DAYS FROM SEEDING, THE | MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN. | REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS. | RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE. SUPERINTENDENT. THEY WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND | COCO MARG |
| | AND HAY BALES, STABILIZED CONSTRUCTION ENTRANCE AND SEDIMENT BASIN WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. STABILIZATION MEASURES SHALL BE | TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75 PERCENT GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATIVE COVER. | INVENTORY FOR POLLUTION PREVENTION PLAN | CONCRETE TRUCKS | SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER. NON-STORM WATER DISCHARGES | 8T - C 878 - NC 1 NC |
| CONTROLS THIS PLAN UTILIZES BEST MANAGEMENT PRACTICES TO CONTROL | 1 | 12. MAINTENANCE: ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO | THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION: | CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE. | IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD: | BB V TEF |
| EROSION AND TURBIDITY CAUSED BY STORM WATER RUN OFF. AN EROSION AND TURBIDITY PLAN HAS BEEN PREPARED TO INSTRUCT THE CONTRACTOR ON PLACEMENT OF THESE CONTROLS. IT IS THE CONTRACTORS RESPONSIBILITY | AREA, THAT AREA WILL BE STABILIZED PERMANENTLY IN ACCORDANCE | FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND CONSTRUCTED. 13. PERMANENT EROSION CONTROL: THE EROSION CONTROL FACILITIES OF THE PROJECT SHOULD BE DESIGNED TO MINIMIZE THE IMPACT ON THE | ☐ Concrete ☐ Fertilizers ☐ Wood | SPILL CONTROL PRACTICES IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT | NONE CONTRACTOR'S CERTIFICATION | |
| TO INSTALL AND MAINTAIN THE CONTROLS PER PLAN AS WELL AS ENSURING THE PLAN IS PROVIDING THE PROPER PROTECTION AS REQUIRED BY FEDERAL, STATE AND LOCAL LAWS. REFER TO "CONTRACTORS RESPONSIBILITY" FOR A | AND THE EARTH DIKE/SWALES WILL BE REGRADED/REMOVED AND STABILIZED IN ACCORDANCE WITH THE EROSION & TURBIDITY CONTROL PLAN. | OFFSITE FACILITIES. 14. PERMANENT SEEDING: ALL AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION WILL, AS A MINIMUM, BE SEEDED. THE SEEDING MIX MUST | Asphalt | PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP: | I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE FDEP GENERIC PERMIT THAT AUTHORIZES THE STORM WATER | |
| VERBAL DESCRIPTION OF THE CONTROLS THAT MAY BE IMPLEMENTED. STORM WATER MANAGEMENT | CONTROLS | PROVIDE BOTH LONG-TERM VEGETATION AND RAPID GROWTH SEASONAL VEGETATION. SLOPES STEEPER THAN 4:1 SHALL BE SEEDED AND MULCHED OR SODDED. | | MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED ON SITE AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP | DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION. | |
| PROJECT STORM WATER DRAINAGE WILL BE PROVIDED BY STANDARD INLET COLLECTION SYSTEM, CONVEYANCE AND DISCHARGE TO PRIVATE RETENTION | | STRUCTURAL PRACTICES | SPILL PREVENTION | SUPPLIES. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT | | |
| POND. AREAS WHICH ARE NOT TO BE CONSTRUCTED ON, BUT WILL BE REGRADED SHALL BE STABILIZED IMMEDIATELY AFTER GRADING IS COMPLETE, WHEN CONSTRUCTION IS COMPLETE, A TOTAL OF 0.95 ACRES WILL HAVE BEEN | IT IS THE CONTRACTORS RESPONSIBILITY TO IMPLEMENT THE EROSION AND TURBIDITY CONTROLS AS SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN. IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO ENSURE THESE | TEMPORARY DIVERSION DIKE: TEMPORARY DIVERSION DIKES MAY BE USED TO DIVERT RUNOFF THROUGH A SEDIMENT-TRAPPING FACILITY. AND IT SHALL BE CONSTRUCTED IN ACCORDANCE TO D-914. | MATERIAL MANAGEMENT PRACTICES | IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, | | |
| REGRADED & 0.11 ACRES LEFT UNDISTURBED. THE SITE DISCHARGES TO A MASTER STORM WATER SYSTEM. WHERE PRACTICAL, TEMPORARY SEDIMENT BASINS WILL BE USED TO INTERCEPT SEDIMENT BEFORE ENTERING THE | CONTROLS ARE PROPERLY INSTALLED, MAINTAINED AND FUNCTIONING PROPERLY TO PREVENT TURBID OR POLLUTED WATER FROM LEAVING THE PROJECT SITE. | 2. TEMPORARY SEDIMENT TRAP: A SEDIMENT TRAP SHALL BE INSTALLED IN AN DRAINAGEWAY AT A STORM DRAIN INLET OR AT OTHER POINTS OF | THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF. | GLOVES, GOGGLES, LIQUID ABSORBENT (i.e. KITTY LITTER OR EQUAL), SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE. | CONTRACTOR ONTRACTOR | 40 |
| PERMANENT STORMWATER BASIN. THE STORMWATER SYSTEM IS DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH BY THE DEPARTMENT OF | THE CONTRACTOR WILL ADJUST THE EROSION AND TURBIDITY CONTROLS SHOWN ON THE EROSON AND TURBIDITY CONTROL PLAN AND ADD ADDITIONAL CONTROL MEASURES, AS REQUIRED, TO ENSURE THE SITE MEETS ALL FEDERAL, STATE AND | DISCHARGE FROM A DISTURBED AREA. THE FOLLOWING SEDIMENT TRAPS MAY BE CONSTRUCTED EITHER INDEPENDANTLY OR IN CONJUNCTION WITH A TEMPORARY DIVERSION | GOOD HOUSEKEEPING | ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL | SPONSIBL SUB-C SUB-C SUB-C | INC. |
| ENVIRONMENTAL PROTECTION FOR THIS TYPE OF DEVELOPMENT AT THE TIME IT WAS CONSTRUCTED. | LOCAL EROSION AND TURBIDITY CONTROL REQUIREMENTS. THE FOLLOWING BEST MANAGEMENT PRACTICES WILL BE IMPLEMENTED BY THE CONTRACTOR AS REQUIRED BY THE EROSION AND TURBIDITY CONTROL PLAN AND AS REQUIRED | DIKE: 1. BLOCK & GRAVEL SEDIMENT FILTER - THIS PROTECTION IS | THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT. | WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE. | | TS, ERING SUITE 32257 |
| TIMING OF CONTROLS/MEASURES | TO MEET THE EROSION AND TURBIDITY REQUIREMENTS IMPOSED ON THE PROJECT SITE BY THE REGULATORY AGENCIES. | APPLICABLE WHERE HEAVY FLOWS AND/OR WHERE AN OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE. REFER TO D-902 FOR CONSTRUCTION OF A | * AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB. | SPILL OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE OF THE SPILL. | | TAN VGINE OUTH, SRIDA |
| REFER TO "CONTRACTORS RESPONSIBILITY" FOR THE TIMING OF CONTROL/MEASURES. | STABILIZATION PRACTICES EROSION AND SEDIMENT CONTROLS | CURB INLET SEDIMENT FILTER, AND D-904 FOR CONSTRUCTION OF A DROP INLET SEDIMENT FILTER. | * ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY | THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP | ADDRESS NLL SUBS | USUL - EN OAD S |
| CERTIFICATION OF COMPLIANCE WITH | 1. HAY BALE BARRIER: HAY BALE BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE | 2. GRAVEL SEDIMENT TRAP - THIS PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES & UNPROTECTED | MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE. | THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE | IRACTOR & . | CON NING INGS R |
| FEDERAL, STATE AND LOCAL REGULATIONS IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS RELATED TO STORM | FOLLOWING LIMITATIONS: A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT. | AREAS. REFER TO D-903 FOR CONSTRUCTION OF CURB INLET & DROP SEDIMENT TRAP. | * PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL. | OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE/SHE WILL DESIGNATE AT LEAST ONE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE | BUSINES OF CONT | & T PLAN OLDKI JACKSC |
| WATER MANAGEMENT AND EROSION AND TURBIDITY CONTROLS, THE FOLLOWING PERMITS HAVE BEEN OBTAINED. DEP STANDARD GENERAL STORMWATER PERMIT NO.: | B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES. C. WHERE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS. | 3. DROP INLET SEDIMENT TRAP - THIS PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (S $<$ 5%) AND WHERE SHEET OR OVERLAND FLOWS (Q $<$ 0.5 CFS) ARE TYPICAL. THIS METHOD | * SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER. | INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IF | | 9310 PHONE |
| DEP NPDES PERMIT NO.: | D. EVERY EFFORT SHOULD BE MADE TO LIMIT THE USE OF STRAW BALE BARRIERS CONSTRUCTED IN LIVE STREAMS OR IN SWALES WHERE THERE IS THE POSSIBILITY OF A WASHOUT. IF NECESSARY, MEASURES SHALL BE TAKEN TO PROPERLY ANCHOR BALES TO INSURE | SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS SUCH AS IN STREET OR HIGHWAY MEDIANS. REFER TO D-905 FOR CONSTRUCTION OF HAY BALE & FABRIC SEDIMENT FILTER. | * WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER. | APPLICABLE, IN THE OFFICE TRAILER ONSITE. | | |
| OWNER'S CERTIFICATION I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL | II | 4. OUTLET PROTECTION: APPLICABLE TO THE OUTLETS OF ALL PIPES AND PAVED CHANNEL SECTIONS WHERE THE FLOW COULD CAUSE EROSION & SEDIMENT PROBLEM TO THE RECEIVING WATER BODY. SILT FENCES & | * MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED. | MAINTENANCE/INSPECTION PROCEDURES EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES | NATURE | |
| ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION | BALE BARRIER. ALSO REFER TO STANDARD DETAILS AND REQUIREMENT FOR PROPER LOCATION, MATERIAL & USAGE. | HAY BALES ARE TO BE INSTALLED IMMEDIATELY DOWNSTREAM OF THE DISCHARING STRUCTURE AS SHOWN ON THE OUTLET PROTECTION DETAIL. | * THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE MATERIALS ONSITE RECEIVE PROPER USE AND DISPOSAL. | THE FOLLOWING ARE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS. | | |
| SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR | 2. FILTER FABRIC BARRIER: FILTER FABRIC BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS: | 5. SEDIMENT BASIN: WILL BE CONSTRUCTED AT THE COMMON DRAINAGE LOCATIONS THAT SERVE AN AREA WITH 10 OR MORE DISTURBED ACRES AT ONE TIME, THE PROPOSED STORM WATER PONDS (OR TEMPORARY | | * NO MORE THAN 10 ACRES OF THE SITE WILL BE DENUDED AT ONE TIME WITHOUT WRITTEN PERMISSION FROM THE ENGINEER. | | DRAWN: JRT |
| GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE | A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT. B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES. | PONDS) WILL BE CONSTRUCTED FOR USE AS SEDIMENT BASINS. THESE SEDIMENT BASINS MUST PROVIDE A MINIMUM OF 3,600 CUBIC FEET OF | | * ALL CONTROL MEASURES WILL BE INSPECTED BY THE SUPERINTENDENT, THE PERSON RESPONSIBLE FOR THE DAY TO DAY SITE OPERATION OR SOMEONE APPOINTED BY THE SUPERINTENDENT, AT LEAST ONCE A WEEK AND | | DESIGN: JRT |
| INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. | REFER TO STANDARD DETAILS FOR PROPER CONSTRUCTION OF THE FILTER FABRIC BARRIER. 3. BRUSH BARRIER WITH FILTER FABRIC: BRUSH BARRIER MAY BE USED | STORAGE PER ACRE DRAINED UNTIL FINAL STABILIZATION OF THE SITE. THE 3,600 CUBIC FEET OF STORAGE AREA PER ACRE DRAINED DOES NOT APPLY TO FLOWS FROM OFFSITE AREAS AND FLOWS FROM ONSITE AREAS | | SOMEONE APPOINTED BY THE SUPERINTENDENT, AT LEAST ONCE A WEEK AND FOLLOWING ANY STORM EVENT OF 0.25 INCHES OR GREATER. * ALL TURBIDITY CONTROL MEASURES WILL BE MAINTAINED IN GOOD WORKING | NOTE: SITE CONTRACTOR SHALL APPLY FOR AND OBTAIN | CHECK: LT |
| SIGNED: | BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WHERE ENOUGH RESIDUE MATERIAL IS AVAILABLE ON SITE. 4. LEVEL SPREADER: A LEVEL SPREADER MAY BE USED WHERE SEDIMENT- | THAT ARE EITHER UNDISTURBED OR HAVE UNDERGONE FINAL STABILIZATION WHERE SUCH FLOWS ARE DIVERTED AROUND BOTH THE DISTURBED AREA AND THE SEDIMENT BASIN. ANY TEMPORARY SEDIMENT | | ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT. | A GENERIC PERMIT FROM THE FDEP AND PERFORM ALL REQUIREMENTS AND TASKS THEREOF. | DATE: OCT-31-14 PLATE |
| DATED: | FREE STORM RUNOFF IS INTERCEPTED AND DIVERTED AWAY FROM THE GRADED AREAS ONTO UNDISTURBED STABILIZED AREAS. THIS PRACTICE | BASINS CONSTRUCTED MUST BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL FILL. ALL SEDIMENT COLLECTED IN PERMANENT OR TEMPORARY SEDIMENT TRAPS | | * BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE. | | C-11 |
| | APPLIES ONLY IN THOSE SITUATIONS WHERE THE SPREADER CAN BE | MUST BE REMOVED UPON FINAL STABILIZATION. | | | | SHEET OF |

| NPDES LEGEND | | | | |
|--------------|-------------------------------|--|--|--|
| SYMBOL | DESCRIPTION | | | |
| X—(FF)—X | FILTER FABRIC FENCE | | | |
| IPB | INLET PROTECTION BARRIER | | | |
| CIP | CURB INLET PROTECTION BARRIER | | | |
| sc H | CONSTRUCTION EXIT — TYPE 3 | | | |
| стw | CONCRETE TRUCK WASHOUT AREA | | | |

NOTES

- 1. CONTRACTOR MUST ESTABLISH AN APPROPRIATE "CONCRETE TRUCK WASHOUT AREA".
- 2. ALL ON-SITE IMPROVEMENTS ARE TO BE OWNED AND MAINTAINED BY THE PROPERTY OWNER AND WILL NOT BE DEDICATED TO THE PUBLIC OR MAINTAINED BY THE PUBLIC.



implement pollutant control measures identified on this sheet (C-8A) and must comply with the requirements of NPDES General Permit and any local governing agency having jurisdiction concerning erosion and sedimentation control, along with any additional documents or amendments thereto:

Post a signed copy of the construction site notice and/or NOI at the construction site in a location where it is readily available for viewing by the general public, local, state, and federal authorities, prior to commencing construction activities, and maintain the notice in that location until completion of the construction activity

EXECUTION:

SPECIFICATIONS:

- 1. Construct rock pads for construction entrance/exit. This will be the first construction work on the project.
- 2. Install sediment barriers down slope from construction activities that disturb site soil;
- 3. Construct rock surface for temporary parking;
- 4. A rock filter dam will be placed at the outfall of any proposed detention/storm water quality pond as temporary outfall protection and provide filtration of larger soil particles.
- 5. Clear and grub the improvement areas. Sediment barriers will already be in place down slope;
- 6. Excavation and embankment to form drainage channels;
- 7. Excavation and embankment to form the building pad and pavement areas;
- x 8. Underground Utilities Sediment barriers will be utilized as required to bound the down slope side of utility construction and soil stockpiles;
- 9. Final Grading Sediment barriers will be maintained down slope from disturbed soil during this operation;
- 10. Completion of on—site stabilization. (Contractor must obtain a minimum of 70% vegetation or the minimum requirement by local governing acency.)

The actual schedule for implementing pollutant control measures will be determined by project construction progress. Down slope protective measures must always be in place before soil is disturbed.

PURPOSE

The purpose of this procedure is to control erosion in order to reduce negative impacts on water and air quality. Proactive measures will address ongoing maintenance of a facility's site as well as provide for future construction and repairs to the site. Policy provisions will include restoring eroded soil areas and eliminating conditions that result in erosion or sedimentation.

1. SCOPE

This policy applies to all future construction activities and infrastructure repairs at the facility site in an effort to control erosion and sedimentation.

2. PERFORMANCE MATRIX

The plan must meet the following objectives:

- Prevent loss of soil during construction by stormwater runoff and/or wind A. erosion, including protecting topsoil by stockpiling for reuse.
- Prevent sedimentation of storm sewer or receiving streams.
- C. Prevent polluting the air with dust and particular matter.
- Building operations and maintenance activity will be logged to ensure that plan D. has been followed.

3. GOALS

Establish an erosion and sediment control policy that conforms to set practices set by the US EPA or other more stringent municipal standards. Provide a method for tracking and documenting that the policies have been followed.

4. PROCEDURE AND STRATEGIES

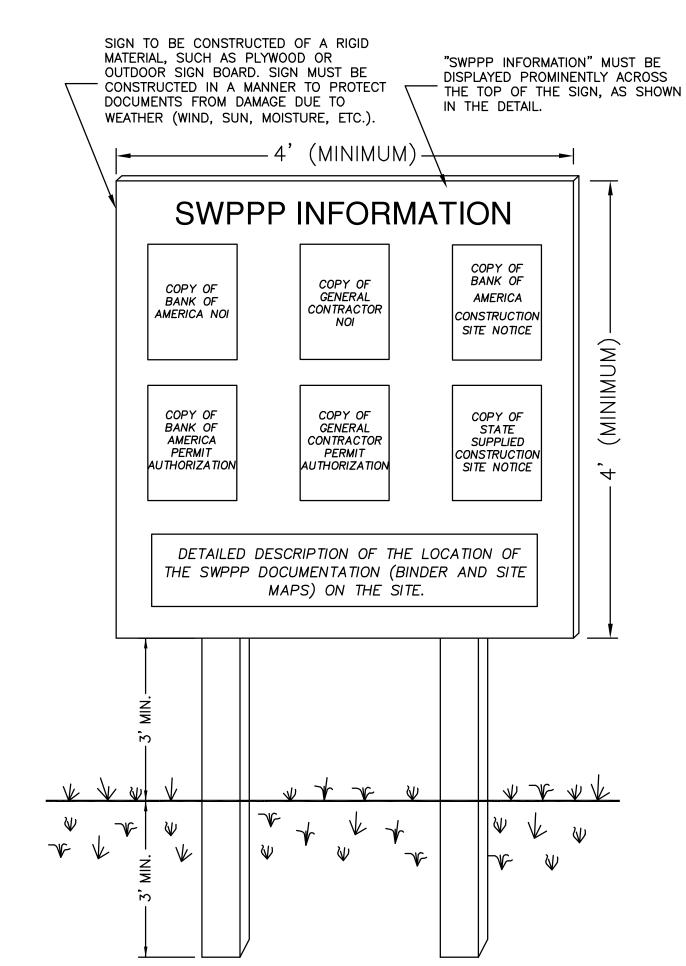
Procedure and strategies include a policy that mandates implementation of erosion and sediment control techniques and requires the techniques' inclusion into contract documents for any construction projects carried out on site. Consider employing strategies that address temporary and permanent landscaping issues and changes; erosion caused by pedestrian traffic; and stormwater overflow. Ongoing identification and elimination of these causes of erosion on sites are important components of addressing erosion and sedimentation.

5. RESPONSIBLE PARTY

A facility manager will be responsible for the ongoing implementation and will sign off the facility sedimentation and erosion policy.

6. TIME PERIOD

The duration of a facility's operations under current owner and operator.



NOTES:

- 1) THE SWPPP INFORMATION SIGN MUST BE LOCATED NEAR THE CONSTRUCTION EXIT OF THE SITE, SUCH THAT IT IS ACCESSIBLE AND VIEWABLE BY THE GENERAL PUBLIC, BUT NOT OBSTRUCTING VIEWS AS TO CAUSE A SAFETY HAZARD.
- 2) ALL POSTED DOCUMENTS MUST BE MAINTAINED IN A CLEARLY READABLE CONDITION AT ALL TIMES THROUGHOUT CONSTRUCTION AND UNTIL THE NOTICE—OF—TERMINATION (NOT) IS FILED FOR THE PERMIT.
- 3) CONTRACTOR SHALL POST OTHER STORM WATER AND/OR EROSION AND SEDIMENT CONTROL RELATED PERMITS ON THE SIGN AS REQUIRED BY THE GOVERNING AGENCY.
- 4) SIGN SHALL BE LOCATED OUTSIDE OF PUBLIC RIGHT-OF-WAY AND EASEMENTS UNLESS APPROVED BY THE GOVERNING AGENCY.
- 5) CONTRACTOR IS RESPONSIBLE FOR ENSURING STABILITY OF THE SWPPP INFORMATION SIGN.

SWPPP INFORMATION SIGN NTS

NORTH

PLATE

C-12

JOB NO:

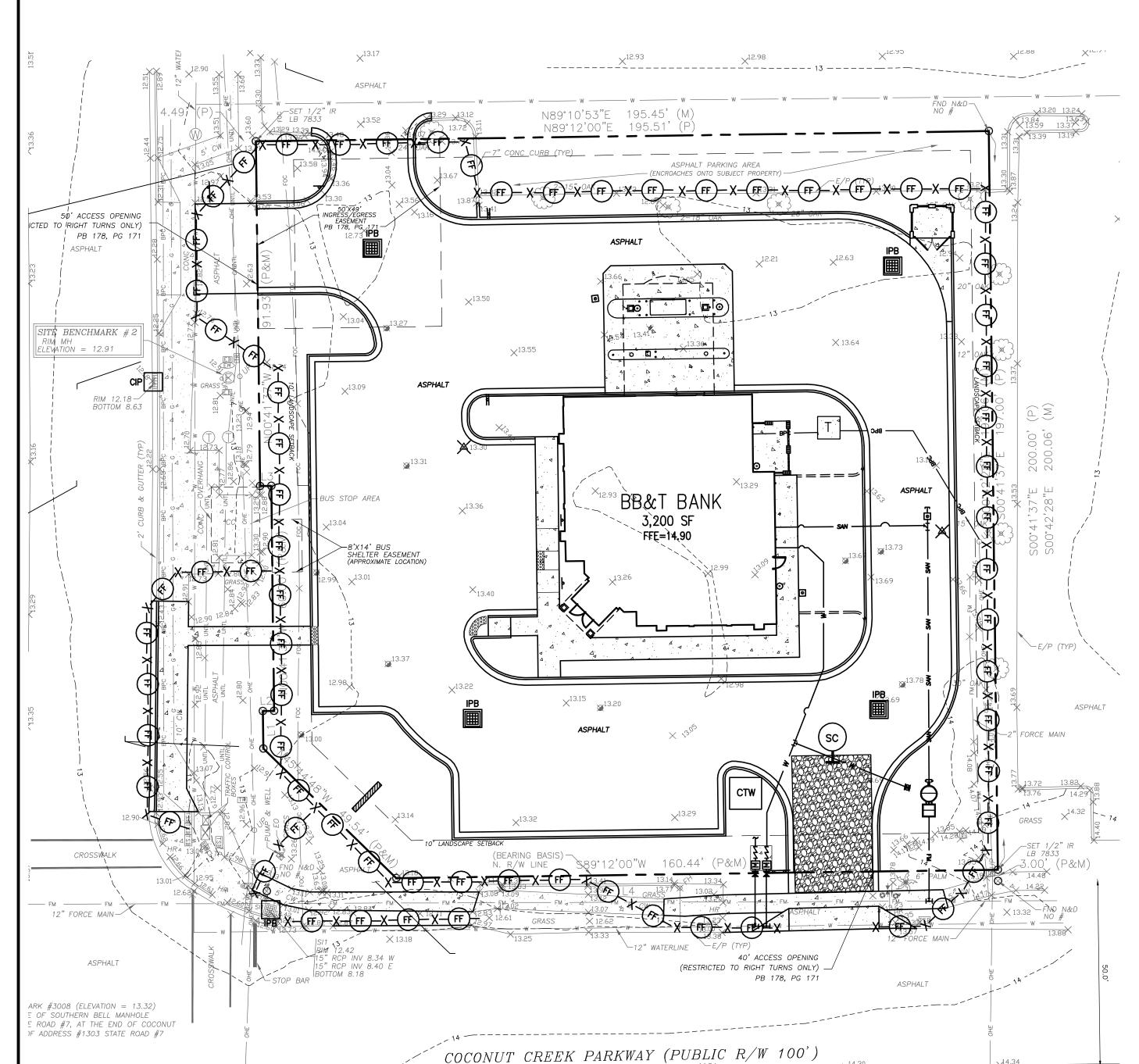
DRAWN: JRT

CHECK: LT

NSULTANTS, INC. - ENGINEERING

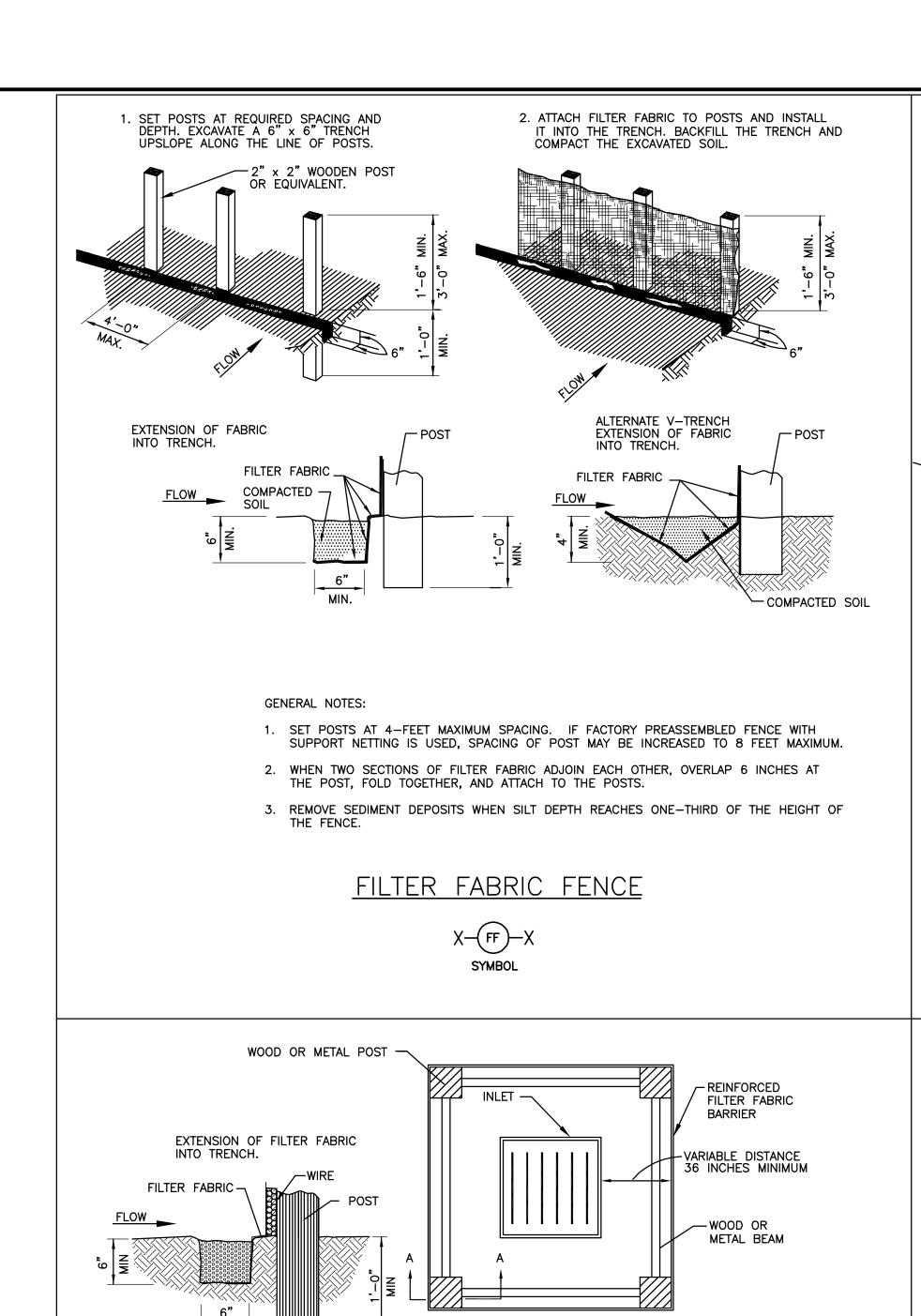
SHEET OF

20' 0 20' SCALE: 1"=20'



~7" CONC CURB (TYP) /TILLICANDIZITE DOAD FODMED STATE ROAD #814)

PLAN



<u>PLAN</u>

WATTLE STAKED

WITH 2 STAKES PER

BALE OR WEIGHTED

WITH SANDBAGS -

L VARIES

1/3 L

METAL BEAM

SEE REINFORCED FILTER FABRIC BARRIER DETAIL FOR REINFORCED FILTER FABRIC BARRIER REQUIREMENTS

TYPICALLY STRAW BALES ARE NOT RECOMMENDED FOR INLET PROTECTION BARRIERS.

INLET PROTECTION BARRIERS

SYMBOL

WOOD OR METAL POST-

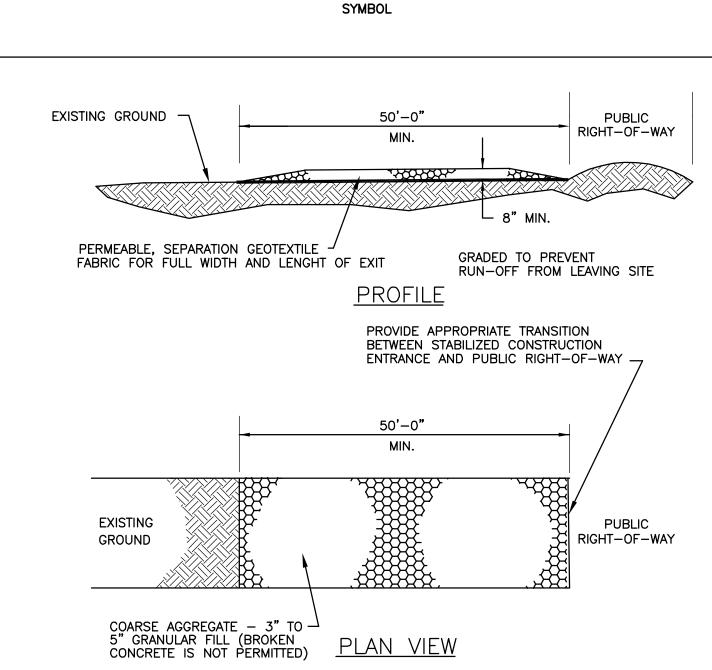
SECTION A-A

SECTION A-A

OR WEIGH DOWN

WITH SANDBAGS

COMPACTED SOIL



INLET SOCK DETAIL

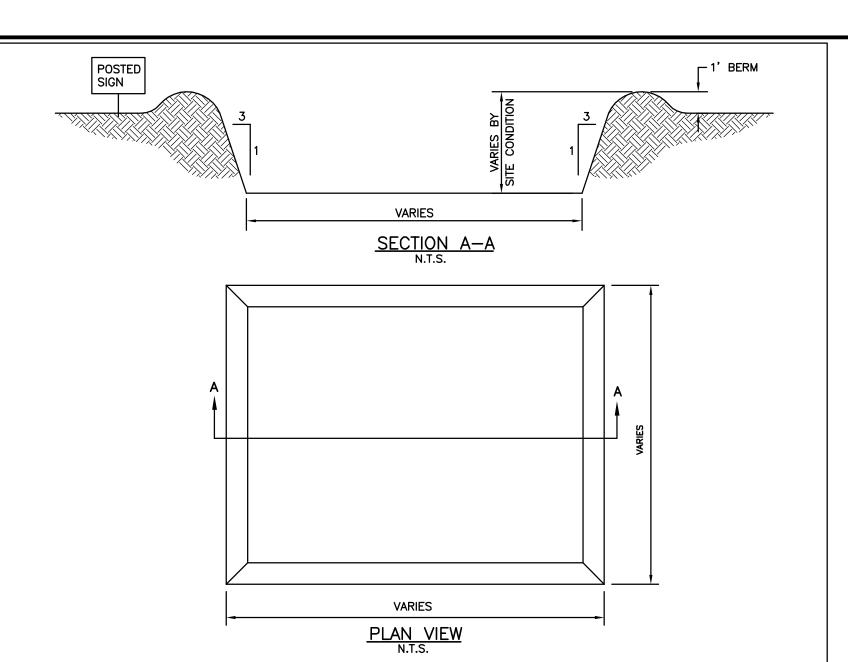
CIP

GENERAL NOTES:

- 1. MINIMUM LENGTH IS AS SHOWN ON CONSTRUCTION DRAWINGS OR 50 FEET, WHICHEVER IS MORE.
- ALL POINTS OF INGRESS OR EGRESS.
- 3. UNLESS SHOWN ON THE CONSTRUCTION DRAWINGS, STABILIZATION FOR OTHER AREAS WILL HAVE THE
- 4. WHEN SHOWN ON THE CONSTRUCTION DRAWINGS, WIDEN OR LENGTHEN STABILIZED AREA TO ACCOMMODATE A TRUCK WASHING AREA. PROVIDE OUTLET SEDIMENT TRAP FOR THE TRUCK WASHING
- 6. PERIODICALLY TURN AGGREGATE TO EXPOSE A CLEAN DRIVING SURFACE.
- -CEMENT STABILIZED SOIL: COMPACTED CEMENT STABILIZED SOIL, LIMESTONE AGGREGATE, OR OTHER FILL MATERIAL IN AN APPLICATION OF THICKNESS OF 8 INCHES. -WOOD MATS: OAK OR OTHER HARDWOOD TIMBERS PLACED EDGE TO EDGE AND ACROSS SUPPORT WOODEN BEAMS WHICH ARE PLACED ON TOP OF EXISTING SOIL IN AN APPLICATION THICKNESS OF 6

STABILIZED CONSTRUCTION ACCESS





GENERAL NOTES:

- 1. POST A SIGN READING "CONCRETE WASH OUT PIT" NEXT TO THE PIT.
- 2. VERBALLY INSTRUCT THE CONCRETE TRUCK DRIVERS WHERE THE PIT IS AND TO WASH OUT THEIR TRUCKS IN THE PIT AND NO WHERE ELSE.
- 3. UNPON THE CONCRETE SETTING UP (CURING, DRYING OUT), THE CONCRETE WASTE SHALL BE REMOVED FROM THE PROJECT SITE AND DISPOSED OF PROPERLY BY THE CONTRACTOR. AFTER REMOVAL OF THE CONCRETE WASTE, THE WASH OUT PIT SHALL BE FILLED WITH CLEAN FILL MATERIAL AND COMPACTED TO IN-SITU CONDITIONS, OR AS DIRECTED BY THE PROJECT SPECIFICATIONS.
- 4. CONCRETE WASH OUT PITS SHALL NOT BE LOCATED DIRECTLY ADJACENT TO, NOR AT ANY TIME DRAIN INTO THE STORM SEWER SYSTEM OR ANY OTHER SWALE, DITCH, OR WATERWAY.
- 5. CONSTRUCT ENTRY ROAD AND BOTTOM OF WASHOUT AREA TO SUPPORT EXPECTED LOADINGS FROM

CONCRETE TRUCK WASHOUT AREA

CTW SYMBOL

POLLUTION PREVENTION NOTES:

- EROSION AND SEDIMENT CONTROL BMPS IN ADDITION TO THOSE PRESENTED ON THE PLANS AND OUTLINED IN THE EROSION AND SEDIMENT CONTROL PLAN (ECP), BEST MANAGEMENT PRACTICES (BMP PLAN, OR STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE IMPLEMENTED AS NECESSARY TO PREVENT TURBID DISCHARGES FROM FLOWING ONTO ADJACENT PROPERTIES OR ROADWAYS, OFF SITE STORM WATER CONVEYANCES OR RECEIVING WATERS, OR ON SITE WETLANDS AND SURFACE WATERS. BMPS SHALL BE DESIGNED, INSTALLED, AND MAINTAINED BY THE SITE OPERATOR TO ENSURE THAT OFF SITE SURFACE WATER QUALITY REMAINS CONSISTENT WITH STATE AND LOCAL REGULATIONS. [THE OPERATOR IS THE ENTITY THAT OWNS OR OPERATES THE CONSTRUCTION ACTIVITY AND HAS AUTHORITY TO CONTROL THOSE ACTIVITIES AT THE PROJECT NECESSARY TO ENSURE COMPLIANCE.]
- OFF SITE SURFACE WATER DISCHARGES, DISCHARGES TO THE MS4, OR DISCHARGES TO ONSITE WETLANDS OR SURFACE WATERS WITH TURBIDITY IN EXCESS OF 29 NEPHELOMETRIC TURBIDITY UNITS (NTUS) ABOVE BACKGROUND LEVEL SHALL BE IMMEDIATELY CORRECTED. SUCH INCIDENTS SHALL BE REPORTED TO AIR & WATER QUALITY WITHIN 24 HOURS OF THE OCCURRENCE (PH: 941.861.5000; FAX: 941.861.0986). THE REPORT SHALL INCLUDE THE CAUSE OF THE DISCHARGE AND CORRECTIVE ACTIONS TAKEN.
- THE OPERATOR SHALL ENSURE THAT ADJACENT PROPERTIES ARE NOT IMPACTED BY WIN EROSION, OR EMISSIONS OF UNCONFINED PARTICULATE MATTER IN ACCORDANCE WITH RULE 62-296.320 (4)(C)1, F.A.C., BY TAKING APPROPRIATE MEASURES TO STABILIZE AFFECTED AREAS.
- FUEL AND OTHER PETROLEUM PRODUCT SPILLS THAT ENTER STORM WATER DRAINS OR WATER BODIES, OR FUEL AND OTHER PETROLEUM PRODUCT SPILLS THAT ARE IN EXCESS OF 25 GALLONS SHALL BE CONTAINED, CLEANED UP, AND IMMEDIATELY REPORTED TO AIR & WATER QUALITY (PH: 941.861.5000; FAX: 941.861.0986). SMALLER GROUND SURFACE SPILLS SHALL BE CLEANED UP AS SOON AS PRACTICAL.
- IN CONTAMINATED SOIL AND/OR GROUNDWATER IS DISCOVERED DURING DEVELOPMENT OF THE SITE, ALL ACTIVITY IN THE VICINITY OF THE CONTAMINATION SHALL IMMEDIATELY CEASE, AND AIR & WATER QUALITY SHALL BE CONTACTED (PH: 941.861.5000; FAX: 941.861.0986).
- NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM:
 - NPDES CONSTRUCTION GENERIC PERMIT COVERAGE SHALL BE OBTAINED AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION COMMENCEMENT IN ACCORDANCE WITH RULE 62.621.300(4)(A), F.A.C.
 - · A COPY OF THE CERTIFIED NPDES NOI, OR A COPY OF THE FDEP COVERAGE CONFIRMATION LETTER SHALL BE POSTED AT THE SITE IN ACCORDANCE WITH CITY OF ORLANDO CODES
 - THE SWPPP SHALL BE CERTIFIED IN ACCORDANCE WITH RULE 62-621.300(4)(A)PART V.D.6, F.A.C., AND A COPY OF THE CERTIFIED DOCUMENT SHALL BE SUBMITTED TO AIR & QUALITY AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION PER CITY OF ORLANDO CODE.
 - A COPY OF THE SWPPP, AND COPIES OF THE INSPECTION AND MAINTENANCE RECORDS SHALL BE MAINTAINED AT THE PROJECT SITE, AND SHALL BE READILY AVAILABLE TO CITY OR STATE INSPECTORS PER THE CITY OF ORLANDO CODE.
- THE DISCHARGE OF GROUNDWATER PRODUCED THROUGH DEWATERING, TO SURFACE WATERS, OR TO ANY PORTION OF THE MS4 WILL REQUIRE SEPARATE PERMITTING FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP). PERMIT(S) SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF DEWATERING. ANALYTICAL RESULTS FROM PRE-DISCHARGE TESTING SHALL BE PROVIDED TO AIR & WATER QUALITY PURSUANT TO REQUIREMENTS OF THE CITY OF ORLANO CODES.

ANTS, ING

ANNING -OLD



JOB NO:

DRAWN: JRT

CHECK: LT

DATE: OCT-31-14 PLATE

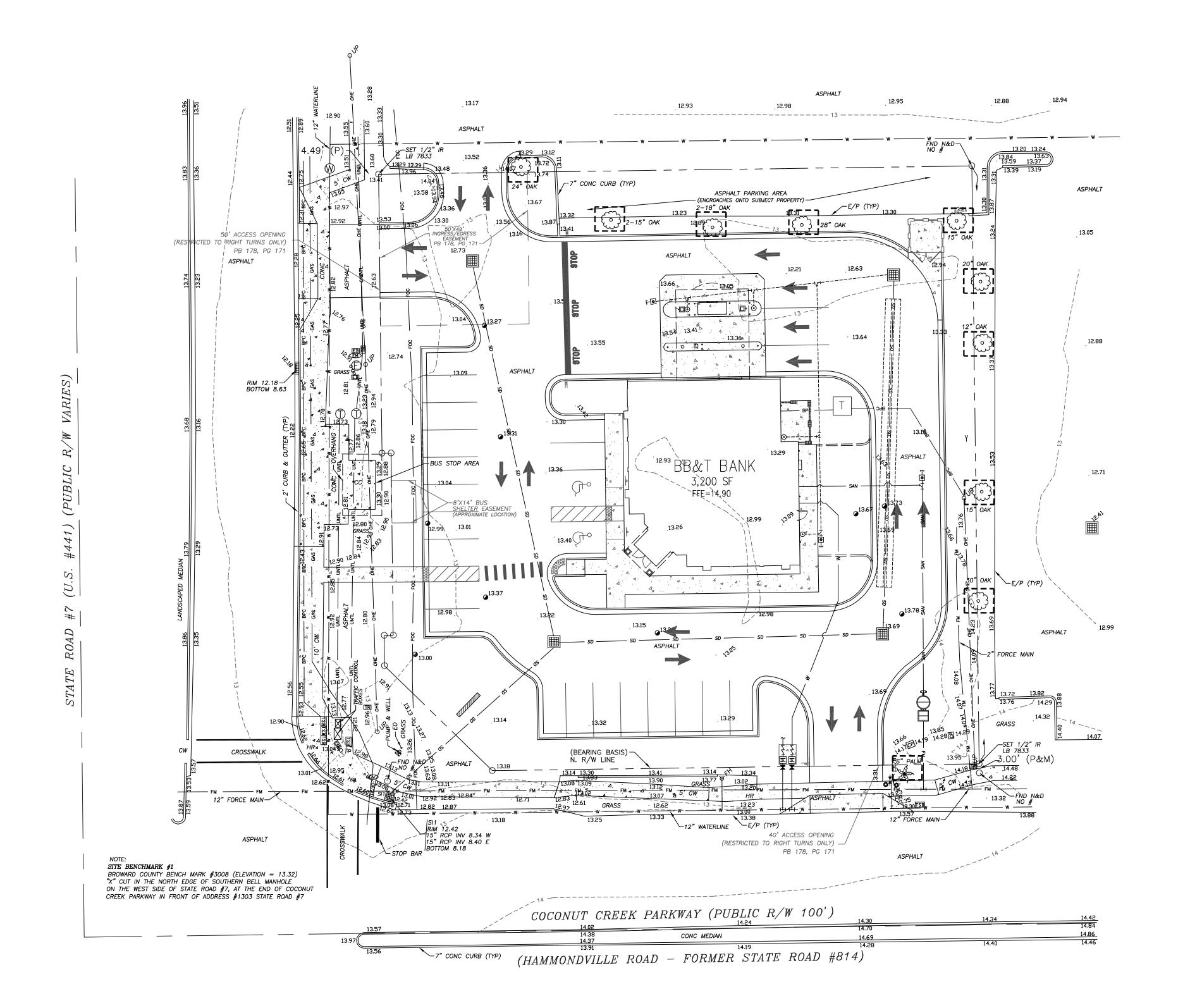
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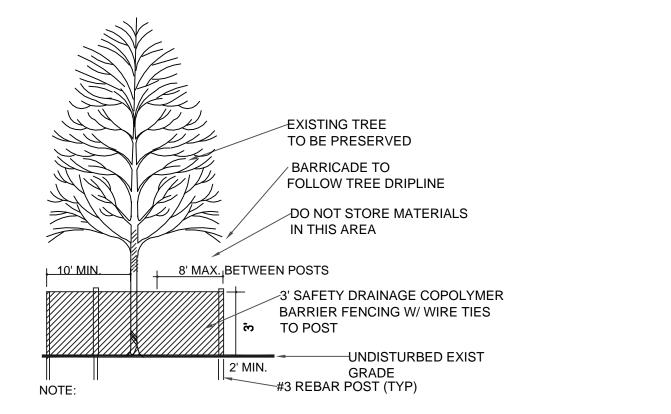
- SAND BAGS

 $^{f L}$ FILTER FABRIC ON TOP OF GRATE $^{f LL}$

(TUCKED UNDER EDGES)

- 2. CONSTRUCT AND MAINTAIN CONSTRUCTION EXIT WITH CONSTANT WIDTH ACROSS ITS LENGTH, INCLUDING
- SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED CONSTRUCTION EXIT.
- 5. PROVIDE PERIODIC TOP DRESSING WITH ADDITIONAL COARSE AGGREGATE TO MAINTAIN THE REQUIRED DEPTH OR WHEN SURFACE BECOMES PACKED WITH MUD.
- 7. ALTERNATIVE METHODS OF CONSTRUCTION INCLUDE -STEEL MATS: PERFORATED MATS PLACED ACROSS PERPENDICULAR SUPPORT MEMBERS.





1) THE TEMPORARY BARRIER SHALL BE AT LEAST THREE (3') FEET HIGH. SHALL BE PLACED AT LEAST TEN (10') AWAY FROM THE BASE OF ANY TREE. SHALL INCLUDE AT LEAST FIFTY (50) PERCENT OF THE AREA UNDER THE DRIPLINE OF ANY PROTECTED TREE OR TREES. THE BARRIER SHALL BE CONSIT OF EITHER A WOOD FENCE OR WITH 2X4 POSTS PLACED A MAXIMUM OF EIGHT (8) FEET APART WITH A 2X4 MINIMUM TOP RAIL. OR A TEMPORARY WIRE MESH FENCE, OR OTHER SIMILAR BARRIER WHICH WILL LIMIT ACCESS TO THE PROTECTED AREA. 2) TREE PROTECTION, PRE-CONSTRUCTION BARRIERS: PRIOR TO ANY CLEARING AND

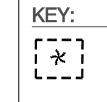
GRUBBING, BARRIERS SHALL BE ERECTED ALONG THE "LIMITS OF CONSTRUCTION" AS SHOWN ON THE LANDSCAPE PLANS TO PROTECT EXISTING TREES TO REMAIN.

3) PRIOR TO FINAL INSPECTION AND ACCEPTANCE BY OWNER, PRUNE REMAINING TREES TO REMOVE DEAD, DAMMAGED OR RUBBING LIMBS TO ESTABLISH A UNIFORM SHAPE AND TO CLEAR FOR PEDESTRIAN AND VEHICULAR TRAFFIC.

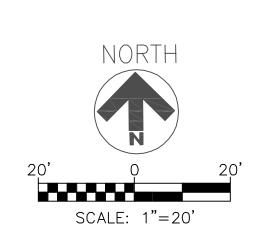
TREE BARRICADE APPROVAL: OBTAIN CITY APPROVAL OF TREE BARRICADES BEFORE BEGINNING CLEARING OPERATIONS OR SITE DEVELOPMENT.

TREE PROTECTION DETAIL

NOT TO SCALE



TREES TO REMAIN WITH TREE PROTECTION BARRIER. SEE DETAIL THIS SHEET.





PHONE: (904) 476-9692 2621 SUNRISE RIDGE LANE, JACKSONVILLE, FLORIDA 32211 E-MAIL: AKLANDPLANNING@COMCAST.NET Kristoffer Reed RLA #LA6667112

| A & K LAN | _ | | & DESIG |
|-----------|-----|----|---------|
| | Inc | C. | |

DRAWN: K.S.R. CHECK: LT DATE: 10/29/14 PLATE L-1

OF

& T CONSULTANTS, INC. PLANNING – ENGINEERING 10 OLD KINGS ROAD SOUTH, SUITE 1001 JACKSONVILLE, FLORIDA 32257

9310

JOB NO: 2014.34

CONC CURB (TYP) (HAMMONDVILLE ROAD - FORMER STATE ROAD #814)

CITY CODE REQUIREMENTS

NORTH PERIMETER BUFFER I CANOPY TREE / 75 L.F. & NO MORE THAN 30% SOD 170 L.F. = 3 CANOPY TREES REQUIRED 3 CANOPY TREES PROVIDED

SOUTH PERIMETER BUFFER I CANOPY TREE / 40 L.F. & NO MORE THAN 50% SOD 135 L.F. = 4 CANOPY TREES REQUIRED 3 CANOPY TREES & I CATEGORY 2 TREE PROVIDED (OHE)

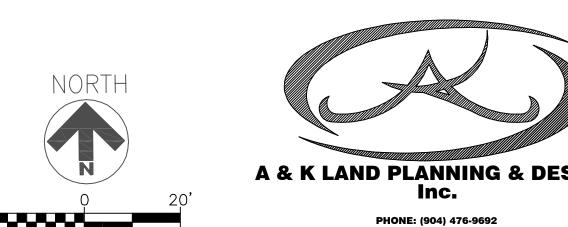
EAST PERIMETER BUFFER I CANOPY TREE / 75 L.F. & NO MORE THAN 50% SOD 197 L.F. = 3 CANOPY TREES REQUIRED OR I CATEGORY 3 TREE / 12 L.F. DUE TO OHE I CANOPY TREES PROVIDED & 7 CATEGORY 3 TREES PROVIDED (OHE)

WEST PERIMETER BUFFER I CANOPY TREE / 40 L.F. & NO MORE THAN 50% SOD 180 L.F. = 5 CANOPY TREES REQUIRED OR 15 CATEGORY 3 TREE / 12 L.F. DUE TO OHE I CANOPY TREES PROVIDED & 13 CATEGORY 3 TREES PROVIDED (OHE)

20 S.F. FOR EACH PARKING SPACE 22 SPACES X 20 S.F. = 440 S.F. I SHADE TREE PER 200 S.F. = 3 TREES

CANOPY TREE REQUIREMENT FOR LOT 12% $37,719 \times 12\% = 4,527 \text{ S.F.}$ CATEGORY I TREE = 300 S.F. CATEGORY | TREE = 15 REQUIRED 7 CANOPY TREES PROVIDED & 31 CATEGORY 3 TREES PROVIDED

FLORIDA FRIENDLY LANDSCAPE PLAN



SCALE: 1"=20'



2621 SUNRISE RIDGE LANE, JACKSONVILLE, FLORIDA 32211

E-MAIL: AKLANDPLANNING@COMCAST.NET Kristoffer Reed RLA #LA6667112

& T CONSULTANTS, INC. PLANNING - ENGINEERING OLD KINGS ROAD SOUTH, SUITE 1001

JOB NO: 2014.34

DRAWN: K.S.R.

DATE: 10/29/14

PLATE

L-2

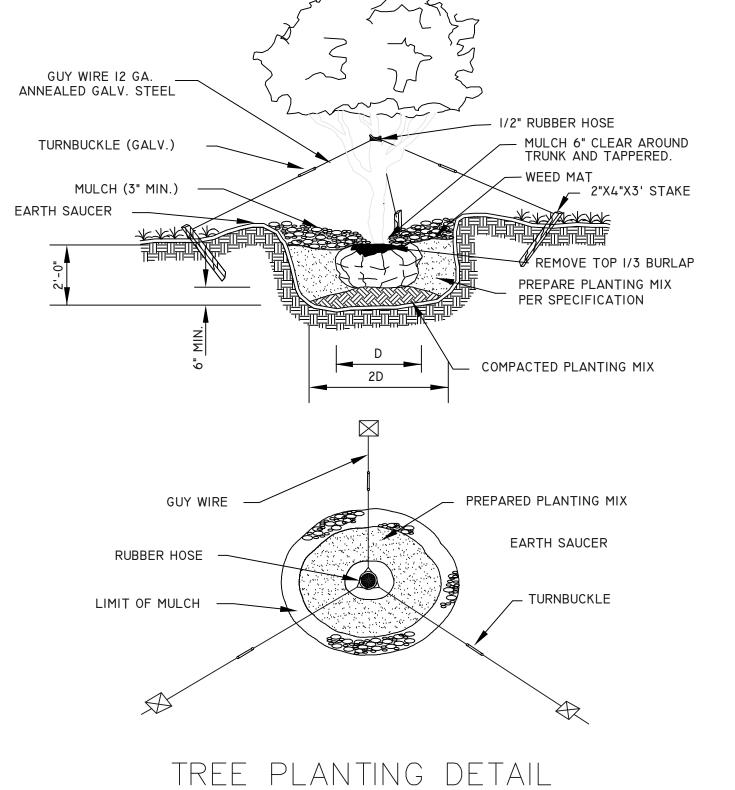
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CHECK: LT

General Notes and Specifications

- 1. Prior to construction the landscape contractor shall be responsible for locating all underground utilities and shall avoid damage to all utilities during the course of the work. The landscape contractor is responsible for repairing any and all damage to utilities, structures, site appurtenances, etc., which occurs as a result of the landscape construction.
- 2. When conditions detrimental to plant growth are encountered, such as rubble fill, adverse drainage conditions or obstructions, notify owner's representative
- 3. All plants must be healthy, vigorous material, free of pests and disease.
- 4. All trees, palms, and shrubs shall be highest grade
- Dept. of Agriculture and Consumer Services. 5. All plant material must be approved by the Landscape Architect before the plant material is installed.
- 6. Any changes to the plant material (size, type, etc..), irrigation or any other deviations from the plans must be approved by the Landscape Architect prior to the change being implemented by the contractor. The contractor
- must provide written proof of authorization for any changes. 7. All plants to be field grown or container grown as indicated on plant list. Store plants in shade and protect from weather. If plants cannot be planted immediately upon delivery, properly protect them with soil, wet peat moss, or,in a manner acceptable to owner's rep. Do not remove container grown stock from containers until planting time. Protect roots of plant from drying or other possible injury. Keep plant ball moist at all times.
- 8. All plants shall be triangular spaced.
- 9. Obtain agronomic soils test for all planting areas and tree pits prior to excavation of tree pits. Tests shall be performed by an approved soils testing laboratory and shall include fertility and suitability analysis with written recommendations for soil amendments, fertilizer and chemical conditioner application rates for soil preparation, planting backfill mix, and post maintenance fertilization program. Submit a copy of soils report to owner's rep. and landscape architect.
- 10. Add soil amendments as recommended by soil test in quantities necessary to bring soil mixture to pH rating of between 5.5 and 6.0. Minerals used for pH correction shall be commercially produced for this purpose.
- 11. All plants and planting areas must be completely mulched as specified with four (4) inches of organic mulch. Provide 4" minimum clearance of mulch from all shrub trunks and 6" minimum clearance from all tree trunks.
- 12. The landscape contractor is responsible for verifying all quantities shown on these plans, before pricing the work.
- 13. The planting shall be done in accordance with acceptable horticultural practices. This is to include proper planting mix, plant and tree pit preparation, pruning, staking or guying, wrapping, spraying, fertilization, planting, and adequate maintenance throughout the required maintenance period.
- 14. The landscape contractor is responsible for fully maintaining all planting (including but not limited to: pruning, watering, fertilizing, cultivating, weeding, mowing, mulching, tightening and repairing of guys, resetting plants to proper grade or upright position, restoration of plant squcer, and furnishing and applying such sprays as necessary to keep free of insects and diseases. The landscape contractor's responsibility for maintenance (exclusive of replacement within the guarantee period) shall terminate one year from the date of final acceptance by owner and landscape architect.
- 15. All trees, palms, shrubs and plant material shall be warranted for a period of one year after date of completion and acceptance of the entire project. Final acceptance of all landscaping under this contract shall constitute the beginning of the guarantee period. Replace, in accordance with the drawings and specifications, all plants that are dead or, as determined by the owner's representative, are in an unhealthy or unsightly condition, and have lost their natural shape due to dead branches, or other causes due to the contractor's negligence. Furnish and plant replacements which comply with requirements shown and specified. Warrant all replacement plants for one year after installation. The cost of such replacement(s) is at the contractor's expense.
- 16. All plants are subject to approval by the owner's representative. Prior to planting, all trees and palms must be approved by the owner or owner's rep. 17. Standards set forth in "American Standard for Nursery Stock" represent guideline
- specifications only and shall constitute minimum quality requirements for plant 18. At the conclusion of this planting, if the owner's rep. or owner has reason to believe that the plants are not of the specified grade, he will request a re-grading
- or inspection, and such evidence will be the basis for requesting replacement of plants and for legal or other action according to law, should this become necessary.
- 19. All planting beds to be treated with pre-emergent weed control prior to planting.
- 20. Contractor is to check the site weekly to insure all plant material is healthy and well watered.
- 21. All disturbed areas to be sodded.

LAWN AREA PAVEMENT (TYPICAL) SOIL AND ROOT LAYER -TOPSOIL AS SPECIFIED -1/2" "EDGER" SMOOTH, CLEAN & PARALLEL TO PAVEMENT FINISHED GRADE ROUGH GRADE CULTIVATED SOIL UNDISTURBED SOIL INSTALL SOD SUCH THAT TOP OF SOIL & ROOT LAYER IS LEVEL WITH TOP OF PAVEMENT SOD DETAIL



PLANTING SCHEDULE:

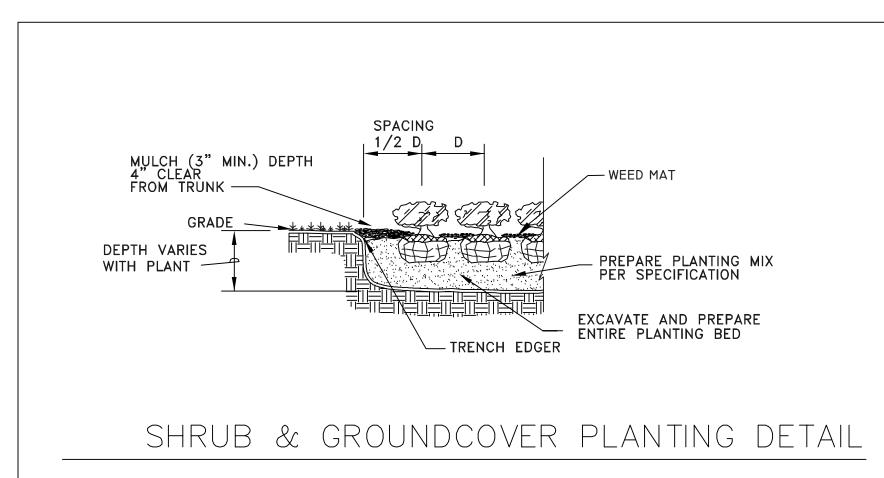
| QTY | KEY | BOTANICAL NAME | COMMON NAME | GRADE | HEIGHT | SPREAD | REMARKS |
|-------------------------------------|-----------------------|---|---|--|---|--|--|
| rees: | | | | | | | |
| 8 | CE | CONOCARPUS ERECTUS | SILVER BUTTONWOOD | FLA.#1 | 10'HT. | 6'SPD. | STANDARD 12' HT. x 5' SPREAD, 5' CLEAR TRUNK |
| 16 | CS | CALLISTEMON SP. | BOTTLEBRUSH | FLA.#1 | 10′HT. | 6′SPD. | STANDARD 12' HT. × 5' SPREAD, 5' CLEAR TRUNK |
| 2 | IC | ILEX CASSINE | DAHOON HOLLY | FLA.#1 | 10′HT. | 6′SPD. | FULL TO GROUND |
| 7 | QV | QUERCUS VIRGINIANA | LIVE DAK | FLA.#1 | 15′ HT □.A. | 8' SPD. | 4" CAL. MIN., 5' CLEAR TRUNK |
| 5 | RS | ROYSTONIA SP. | ROYAL PALM | FLA.#1 | _ | _ | 12' - 14' GW, STRAIGHT |
| SHRUBS | & GROUN | ID COVER: | | | | | |
| | & GROUN | ID COVER: AGAPANTHUS AFRICANUS | AGAPANTHUS | FLA.#1 | 12″HT. | 12″SPD. | FULL PLANT, 1 GAL., 24″ o.c. |
| | | | AGAPANTHUS AFRICAN IRIS | FLA.#1 FLA.#1 | 12″HT. 12″HT. | 12"SPD. 12"SPD. | FULL PLANT, 1 GAL., 24″ o.c. FULL PLANT, 1 GAL., 24″ o.c. |
| 445 | AA | AGAPANTHUS AFRICANUS | | | | | |
| 445 255 | AA DI | AGAPANTHUS AFRICANUS DIETES IRIDIOIDES | AFRICAN IRIS | FLA.#1 | 12"HT. | 12"SPD. | FULL PLANT, 1 GAL., 24" o.c. |
| 445 255 32 | AA DI IVS | AGAPANTHUS AFRICANUS DIETES IRIDIDIDES ILEX VOMITORIA 'SCHILLINGS' | AFRICAN IRIS SCHILLINGS HOLLY | FLA.#1 FLA.#1 | 12"HT. 12"HT. | 12″SPD. 12″SPD. | FULL PLANT, 1 GAL., 24″ o.c. FULL PLANT @ 2′ D.C., 3 GAL. |
| 445 255 32 27 | AA DI IVS LM | AGAPANTHUS AFRICANUS DIETES IRIDIOIDES ILEX VOMITORIA 'SCHILLINGS' LIRIOPE MUSCARI | AFRICAN IRIS SCHILLINGS HOLLY LIRIOPE | FLA.#1 FLA.#1 FLA.#1 | 12"HT. 12"HT. 12"HT. | 12"SPD. 12"SPD. 12"SPD. | FULL PLANT, 1 GAL., 24″ o.c. FULL PLANT @ 2′ D.C., 3 GAL. FULL PLANT, 1 GAL., 24″ o.c. |
| 445 255 32 27 27 | AA DI IVS LM LMV | AGAPANTHUS AFRICANUS DIETES IRIDIDIDES ILEX VOMITORIA 'SCHILLINGS' LIRIOPE MUSCARI LIRIOPE MUSCARI 'VARIEGATA' | AFRICAN IRIS SCHILLINGS HOLLY LIRIOPE AZTEC GRASS | FLA.#1 FLA.#1 FLA.#1 FLA.#1 | 12"HT. 12"HT. 12"HT. 12"HT. | 12"SPD. 12"SPD. 12"SPD. 12"SPD. | FULL PLANT, 1 GAL., 24" o.c. FULL PLANT @ 2' D.C., 3 GAL. FULL PLANT, 1 GAL., 24" o.c. FULL PLANT, 1 GAL., 24" o.c. |
| 445 255 32 27 27 216 | AA DI IVS LM LMV MC | AGAPANTHUS AFRICANUS DIETES IRIDIDIDES ILEX VOMITORIA 'SCHILLINGS' LIRIOPE MUSCARI LIRIOPE MUSCARI 'VARIEGATA' MUHLENBERGIA CAPILLARIS | AFRICAN IRIS SCHILLINGS HOLLY LIRIOPE AZTEC GRASS MUHLY GRASS | FLA.#1 FLA.#1 FLA.#1 FLA.#1 FLA.#1 | 12"HT. 12"HT. 12"HT. 12"HT. 24"HT | 12"SPD. 12"SPD. 12"SPD. 12"SPD. 24"SPD. | FULL PLANT, 1 GAL., 24" o.c. FULL PLANT @ 2' D.C., 3 GAL. FULL PLANT, 1 GAL., 24" o.c. FULL PLANT, 1 GAL., 24" o.c. FULL PLANT @ 3' D.C., 3 GAL. |

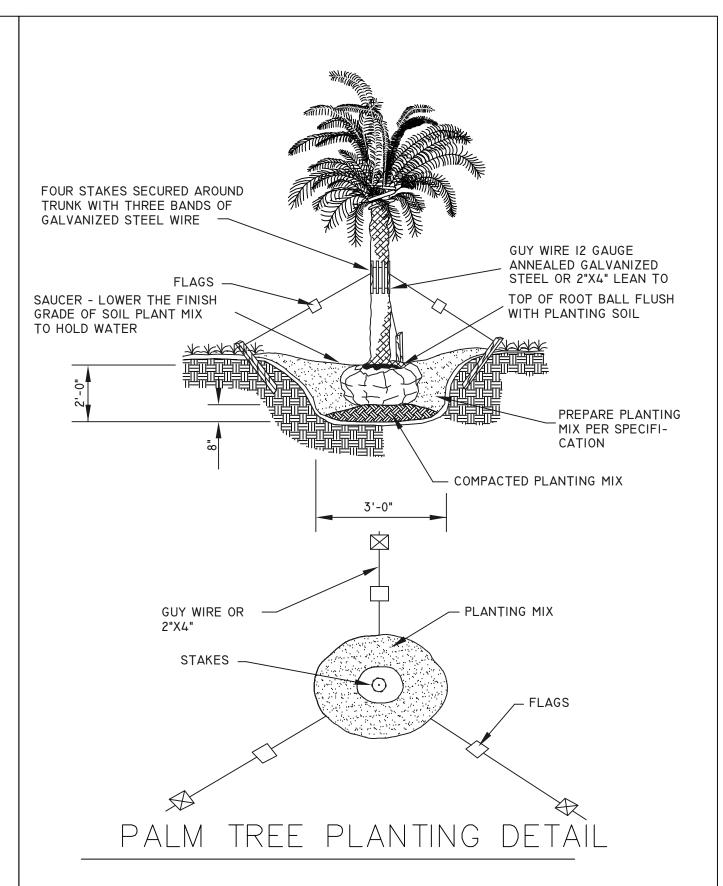
GENERAL NOTES AND SPECIFICATIONS

1. CONTRACTOR TO VERIFY ALL QUANTITIES

T.B.D. SQ. FT. SOD - ST.AUGUSTINE 'FLORITAM' VARIETY

2. ALL PLANT MATERIAL TO BE FLORIDA #1





A & K LAND PLANNING & DESIGN

PHONE: (904) 476-9692

2621 SUNRISE RIDGE LANE, JACKSONVILLE, FLORIDA 32211

E-MAIL: AKLANDPLANNING@COMCAST.NET

Kristoffer Reed RLA #LA6667112

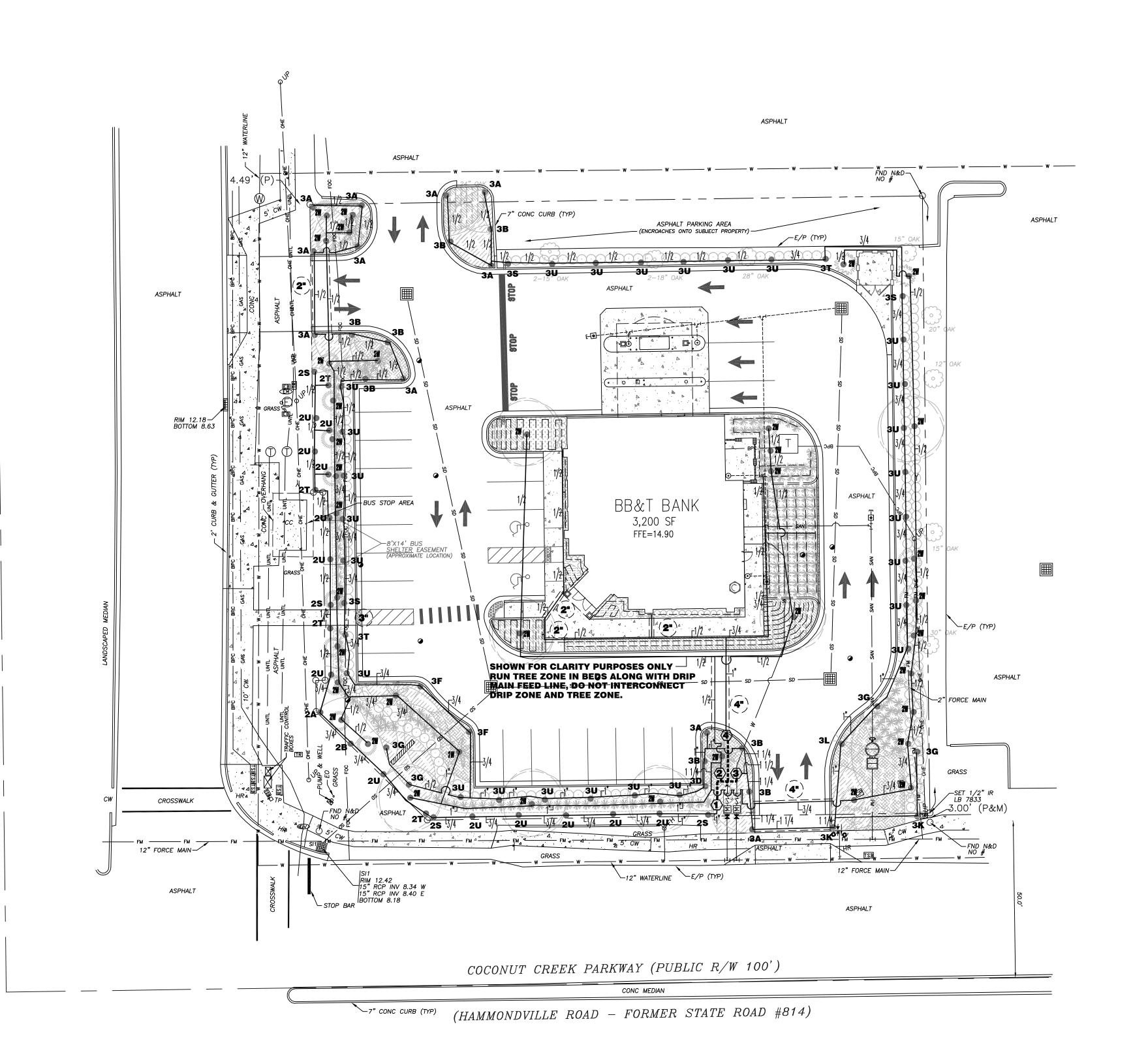
C T CONSULTANTS, INC.
PLANNING - ENGINEERING
DLD KINGS ROAD SOUTH, SUITE 1001

JOB NO: 2014.34 DRAWN: K.S.R.

CHECK: LT

PLATE _-3

DATE: 10/29/14



VALVE SCHEDULE

| | - | | | _ | |
|------|-------|---------|------|----------|-------|
| ZONE | GPM | IN / HR | PSI | RUN TIME | TYPE |
| 1 | 8.26 | 0.45 | 40.0 | 45 MIN | LAWN |
| 2 | 19.00 | 0.45 | 40.0 | 20 min | TREE |
| 3 | 25.02 | 0.45 | 40.0 | 45 MIN | SHRUB |
| 4 | 9.87 | 0.45 | 40.0 | 45 MIN | DRIP |

RUN TIME BASED ON 3/4" PER HOUR

SPRINKLER LIST

| | | *************************************** | | | | |
|-----------|------------|---|-----------------------|--------|--------|------------------------|
| QUANTITY | I.D. | MANUFACTURER | SPECIFICATION | P.S.I. | G.P.M. | IN/HR RADIUS |
| INST 6" F | OP-U | P SPRINKLER | | | | |
| 1 | 2A | Hunter | PROS-06-CV-MP1000-90 | 40 | 0.19 | 0.45 ADJUSTABLE |
| 1 | 2B | Hunter | PROS-06-CV-MP1000-180 | 40 | 0.74 | 0.45 ADJUSTABLE |
| 4 | 25 | Hunter | PROS-06-CV-MPLCS515 | 40 | 0.22 | 0.45 |
| 3 | 2T | Hunter | PROS-06-CV-MPRCS515 | 40 | 0.22 | 0.45 RIGHT |
| 14 | 2U | Hunter | PROS-06-CV-MPSS530 | 40 | 0.44 | 0.45 SIDE |
| 38 | 2W | Hunter | PCB-10 | 40 | 1.00 | 0.45 BUBBLER |
| INST 12" | POP-l | JP SPRINKLER | | | | |
| 11 | 3A | Hunter | INST-12-CV-MP1000-90 | 40 | 0.19 | 0.45 ADJUSTABLE |
| 8 | 3B | Hunter | INST-12-CV-MP1000-180 | 40 | 0.39 | 0.45 ADJUSTABLE |
| 1 | 3D | Hunter | INST-06-CV-MP1000-270 | 40 | 0.57 | 0.45 ADJUSTABLE |
| 2 | 3F | Hunter | INST-12-CV-MP2000-90 | 40 | 0.40 | 0.45 ADJUSTABLE |
| 4 | 3 G | Hunter | INST-12-CV-MP2000-180 | 40 | 0.74 | 0.45 ADJUSTABLE |
| 2 | 3K | Hunter | INST-12-CV-MP3000-90 | 40 | 0.86 | 0.45 ADJUSTABLE |
| 1 | 3L | Hunter | INST-12-CV-MP3000-180 | 40 | 1.82 | 0.45 ADJUSTABLE |
| 3 | 35 | Hunter | INST-12-CV-MPLCS515 | 40 | 0.22 | 0.45 |
| 2 | 3T | Hunter | INST-12-CV-MPRCS515 | 40 | 0.22 | 0.45 RIGHT |
| 25 | 3U | Hunter | INST-12-CV-MPSS530 | 40 | 0.44 | 0.45 SIDE |

CONTRACTOR TO VERIFY ALL QUANTITIES

SCALE: 1"=20'



PHONE: (904) 476-9692 8787 SOUTHSIDE BLVD. #511, JACKSONVILLE, FLORIDA 32256 E-MAIL: AKLANDPLANNING@COMCAST.NET Kristoffer Reed RLA #LA6667112

& T CONSULTANTS, INC. PLANNING – ENGINEERING 10 OLD KINGS ROAD SOUTH, SUITE 1001 JACKSONVILLE, FLORIDA 32257

JOB NO: 2014.34 DRAWN: K.S.R.

CHECK: LT

DATE: 10/29/14 PLATE

L-4OF



Irrigation Contractor shall be responsible for all applicable fees and permits.

All Pipe and Wire under paving shall be placed in Schedule 40 P.V.C. Sleeves for the full pavement coverage length and shall be at least 24" below grade.

Mainlines shall be buried to provide a minimum cover of 18", while all Lateral lines shall have a minimum of 12".

The Contractor should take care to reroute piping as necessary to avoid plant or tree roots.

All Sprinklers shall be site adjusted to prevent water

overthrow onto building surfaces and walkways. All Control Wiring to be 14/1 U.F. direct burial.

Install a "MiniClik" rain sensor device. Verify location with Owners Representative.

Install Backflow Preventer in an inconspicuous location such as shrubbery. Location shown for graphic clarity purposes only.

Contractor responsible for 100% irrigation coverage All irrigation risers to be painted black

Mainline location shown for graphic clarity purposes only. Valve box location shown for graphic clarity purposes only.

Irrigation system designed to not exceed 5 feet per second flow through any piping. Any deviation from design upon installation shall be done so as to not exceed 5' per

second through any piping as well.

LEGEND I.D. DESCRIPTION

SPECIFICATION

M WATER SOURCE 1" Irrigation Only Water Meter Wilkins 950XLT— 1" or equal LOCATIONS SHOWN FOR CLARITY ONLY BACKFLOW DEVICE

(2") == SLEEVING

© CONTROLLER

Schedule 40 PVC, 2" Minimum

Hunter series PC— 600 series. 6 Zone Install with Mini—Clik rain sensor. SOLENOID VALVE Hunter series ICV—151G—B (1 1/2" valve)

All valves to have reclaimed water ID handle (#561205) Location shown for graphic clarity

31 🌑 IRRIGATION HEAD Hunter series

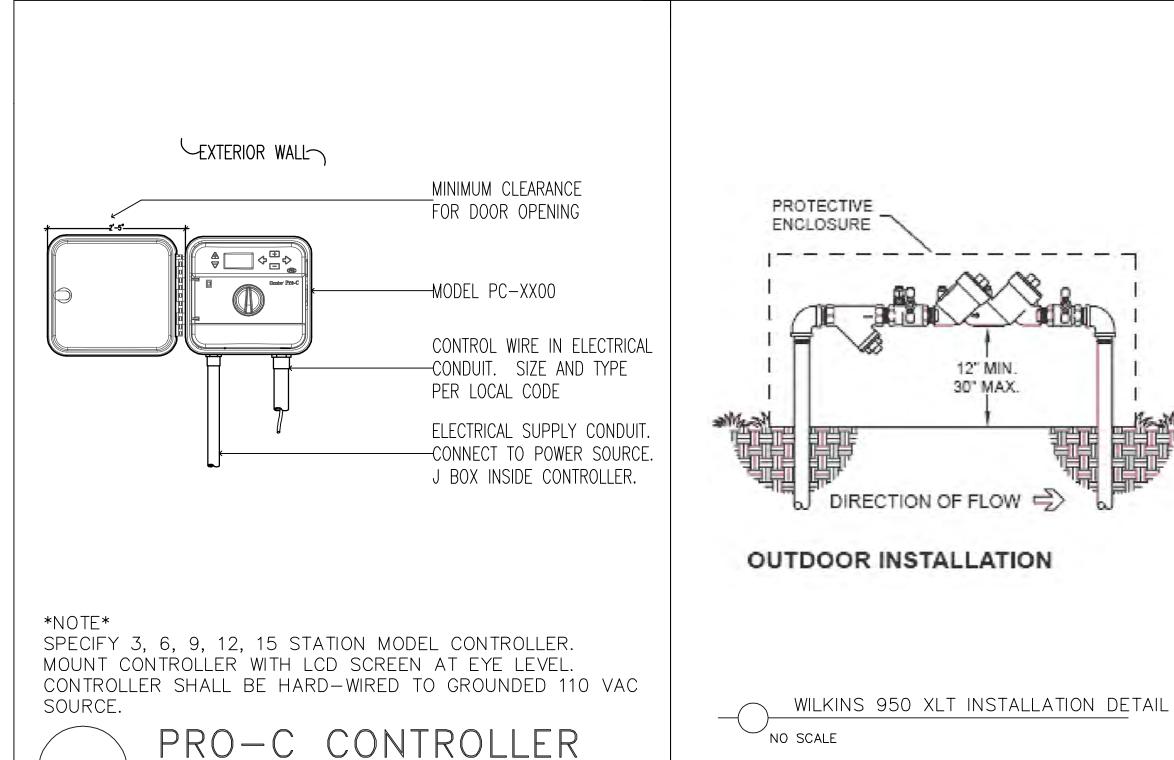
Pro - MPR Series

SDR 13.5 1/2" and 3/4" lines SDR 26 for all 1" and larger lateral lines PIPE AND PIPE SIZE

Irrigation mainline, Schedule 40 PVC pipe

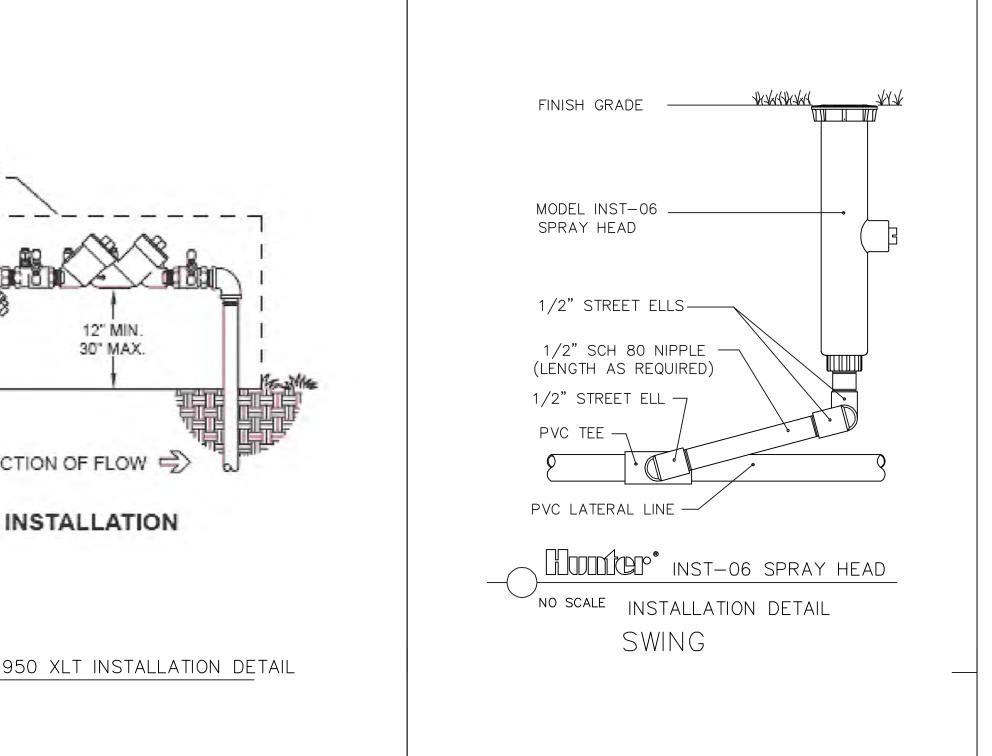
MAINLINE 1 1/2" size.

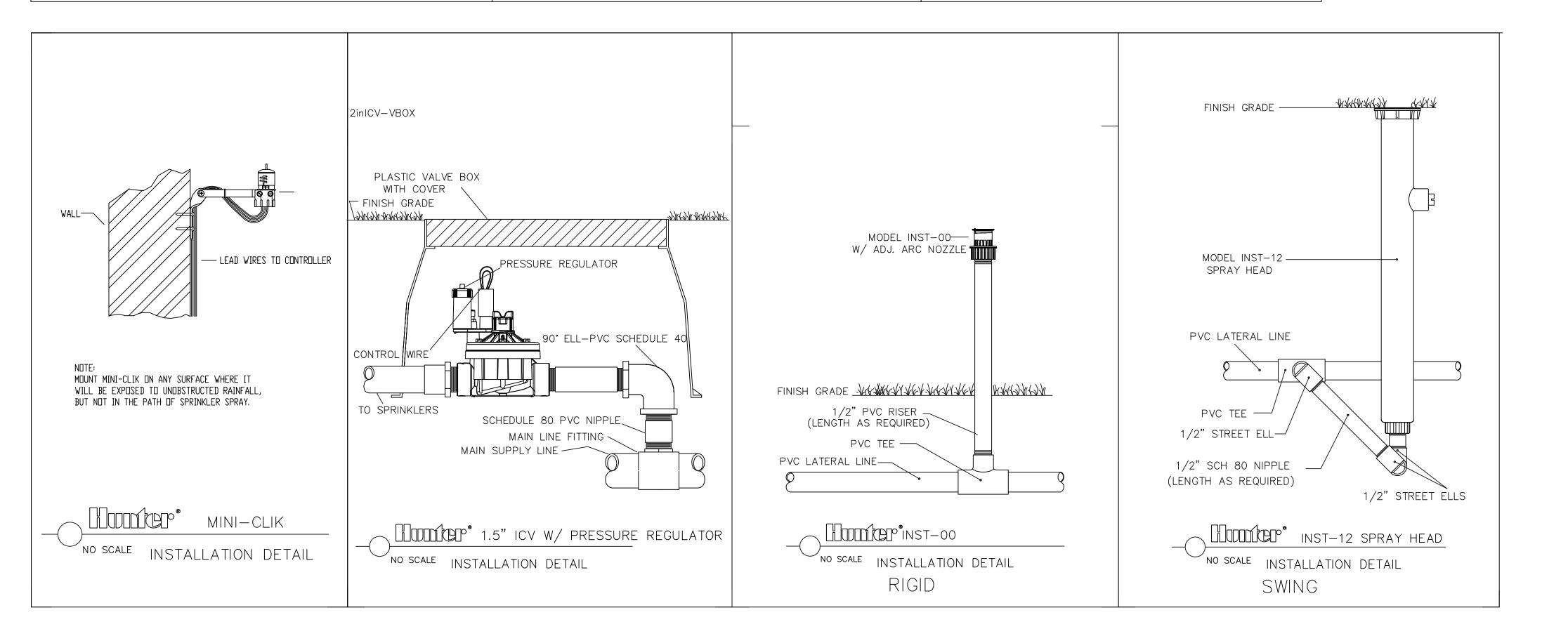
PLD ESD - 1.0 - 18 - 250 --- DRIP LINE install with air relief valve and flush valve

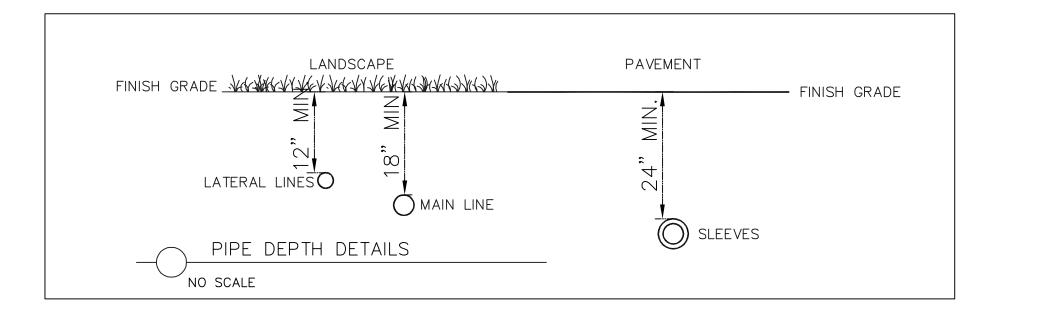


Muniter IRRIGATION DETAIL

NO SCALE









Kristoffer Reed RLA #LA6667112



DATE: 10/29/14

PLATE

L-5

OF







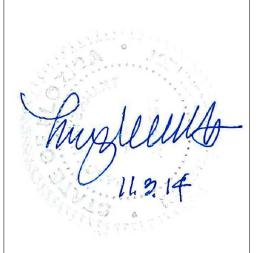
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ISSUE FOR

FOR CONSTRUCTIOON

11.10.2014

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PROJECT MANAGER
Richard B. Salmon, LEED AP
DESIGN TEAM

PRINCIPAL IN CHARGE
Nancy Everhart, AIA, LEED AP

PROJECT NAME

BB&T BRANCH BANK -COCONUT CREEK

5700 COCONUT CREEK PARKWAY MARGATE, FL 33063

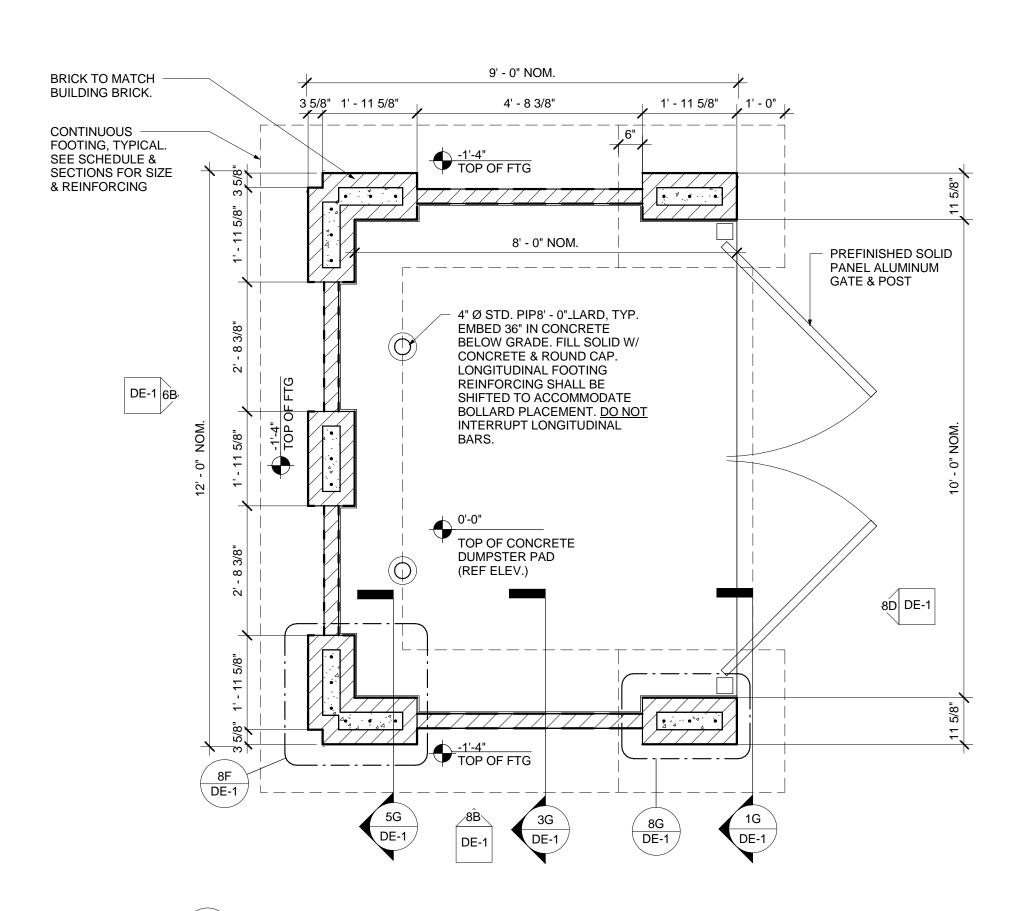
JECT NO.

123.9419.00

SHEET TITLE ELEVATIONS

R

1 1



| WALL DESIGN SCHEDULE | | | | | | | | |
|----------------------|-------|-------|-------|---------------|--------------|-----|--------------|----|
| Α | В | С | D | E | F | G | н | J |
| 3'-0" | 1'-4" | 8'-0" | (8)#5 | #5 @ 10" O.C. | #5 @ 6" O.C. | 36" | #5 @ 6" O.C. | 8" |

FOOTING REINF. TO

PLACEMENT OF GATE

LONGITUDINAL BARS.

ACCOMMODATE

POST. <u>DO NOT</u> INTERRUPT

3" CLR TYP

1C DUMPSTER SCREEN WALL PLAN

\ DE-1 \/ 1/2" = 1'-0"

SEE SECTION 5G THIS SHEET FOR ALL ITEMS

SLAB, DRIVE OR

SITE DRAWINGS.

LANDSCAPING PER

TYPICAL CONCRETE

FOOTING. SEE SECTION

SIZE & REINFORCEMENT

MINIMUM FOOTING WIDTH AT GATE POST EMBEDMENT

1G SECTION 1

DE-1 / 3/4" = 1'-0"

5G & SCHEDULE THIS

SHEET FOR TYPICAL

AT THICKENED GATE

ADDITIONAL

TRANSVERSE &

BARS TO MATCH

IN SECTION 5G.

POST FOOTING PROVIDE

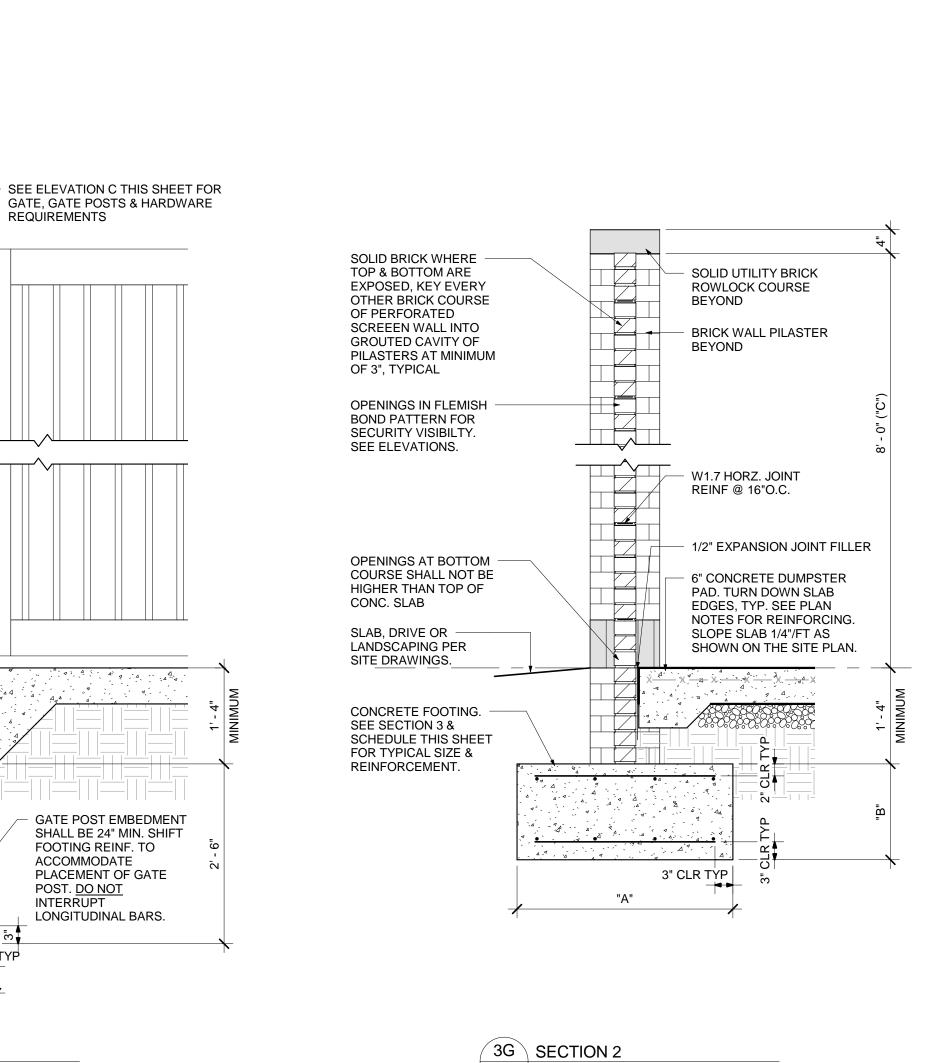
LONGITUDINAL BOTTOM

REINFORCING AS NOTED

SCHEDULED BOTTOM

HEREIN.

NOT NOTED OR SHOWN



DUMPSTER SCREEN WALL PLAN NOTES

TOP OF DUMPSTER PAD

REFERENCE WORK POINT

1. ELEVATIONS ARE INDICATED THUS ON PLAN:

2. THE DUMPSTER PAD SHALL BE A 6-INCH THICK

SUB-BASE MATERIAL. COORDINATE SUBGRADE

CONCRETE SLAB, REINFORCED WITH 6X6-W2.9XW2.9

PREPARATION REQUIREMENTS WITH SOILS REPORT.

3. ALL FOOTINGS ARE TO BE FOUNDED ON RESIDUAL

CAPACITY OF 2000 PSF. ACCEPTABLE SOIL BEARING

PRESSURE IS TO BE VERIFIED BY AN INDEPENDENT

4. GC SHALL COORDINATE THE TOP OF FOOTING

SITE GRADING PLAN PRIOR TO FABRICATION OF

5. EXCAVATIONS FOR FOOTINGS SHALL BE

ELEVATION WITH PLAN, SECTIONS, ELEVATIONS AND

MAINTAINED IN A DRY CONDITION UNTIL CONCRETE IS PLACED. WHENEVER POSSIBLE, THE EXCAVATION

SHALL BE MADE, THE BEARING SURFACE INSPECTED, AND THE CONCRETE PLACED IN THE SAME DAY.

ENTRAINED HAVING A 28-DAY COMPRESSIVE STRENGTH

7. ALL REINFORCING STEEL SHALL CONFORM TO ASTM

REINFORCING STEEL 30XBAR DIAMETERS. WELDED WIRE

(INCLUDING WELDED WIRE FABRIC) SHALL BE SECURELY

6. ALL CAST-IN-PLACE CONCRETE SHALL BE AIR-

OF 3000 PSI AND A WATER-CEMENT RATIO NOT

ADMIXTURES, SLUMP, TESTS, FORMWORK AND WORKMANSHIP, REMOVAL OF FORMS, RE-SHORING,

THE PROJECT SPECIFICATIONS.

SHALL BE 2000 PSI.

LOADS.

EXCEEDING 0.45. FOR CONCRETE MATERIALS, MIX

CURING, HARDENING AND PROTECTING, FINISHING, CLEANING AND PATCHING, SEE THE REQUIREMENTS OF

A615. GRADE 60. UNLESS OTHERWISE NOTED. LAP

FABRIC SHALL CONFORM TO ASTM A185. LAP ONE

HALF MESH DIMENSION, PLUS END EXTENSIONS OF WIRES NOT LESS THAN 6". ALL REINFORCING STEEL

TIED AND ANCHORED IN PALCE TO PREVENT

DISLOCATION DURING THE PLACING OPERATION.

8. BRICK TO MATCH THAT USED AT BUILDING. NET

AREA COMPRESSIVE STRENGTH OF CLAY MASONRY

(f'm) FOR BRICK USED AT DUMPSTER SCREEN WALLS

9. REFER TO STRUCTURAL DRAWINGS FOR DESIGN

TESTING LABORATORY AT THE TIME FOOTING

EXCAVATIONS ARE MADE.

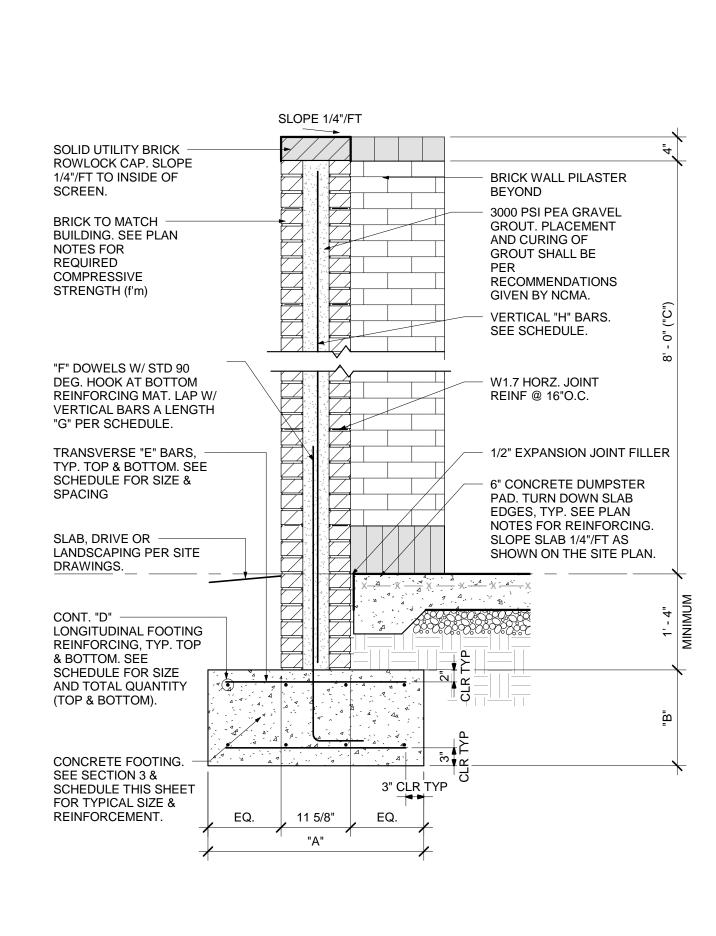
REINFORCING STEEL.

SOIL OR STRUCTURAL FILL HAVING A MINIMUM BEARING

WELDED WIRE FABRIC, PLACED 2" CLEAR FROM TOP OF

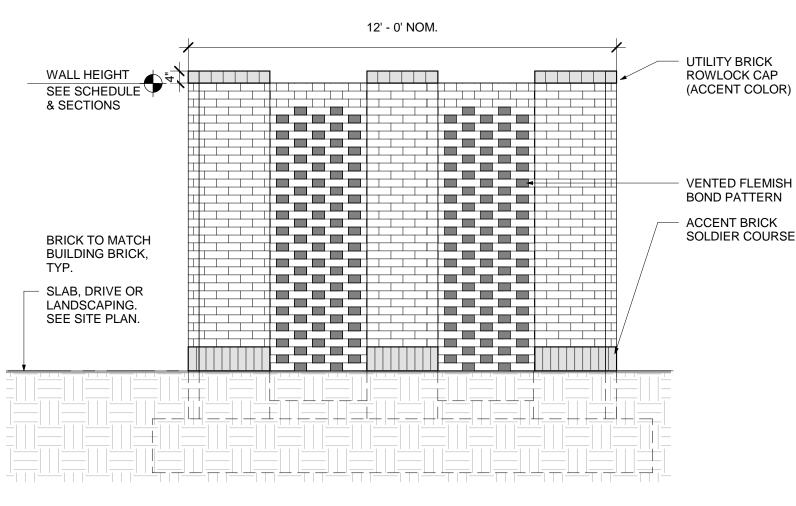
SLAB. PLACE SLAB OVER A 4" MINIMUM OF COMPACTED

ELEVATION

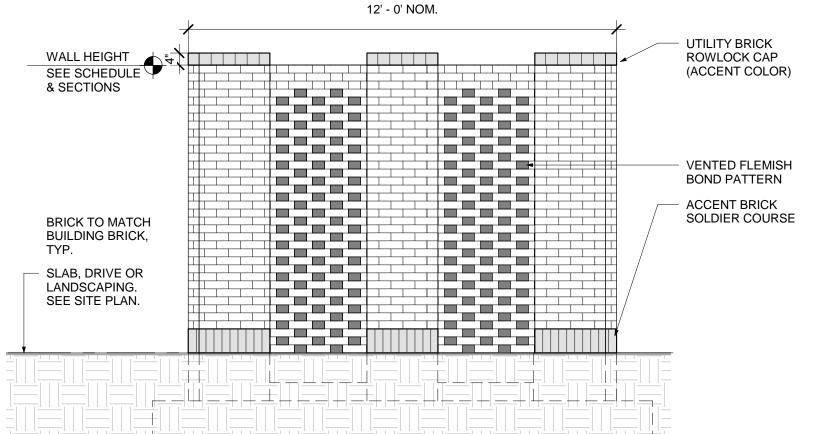


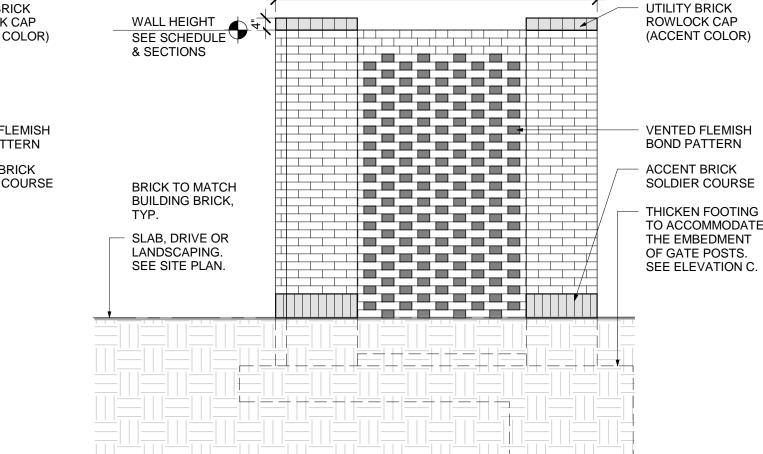
5G SECTION 3

DE-1 / 3/4" = 1'-0"



6B ELEVATION A



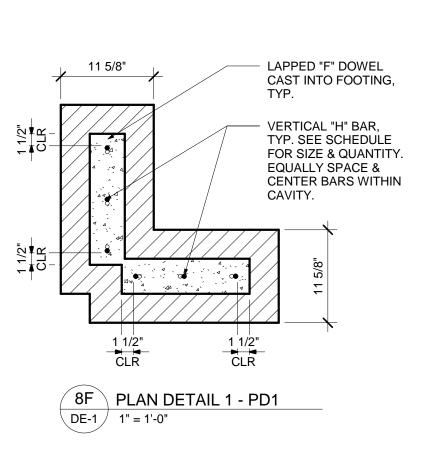


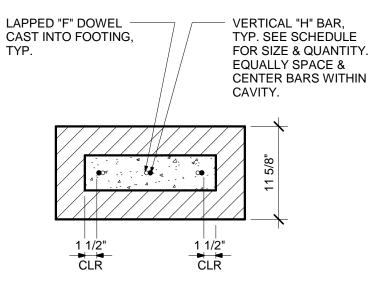
9' - 0" NOM.

8B ELEVATION B 12' - 0" NOM. LOCKABLE FLIP LATCH AND UTILITY BRICK WALL HEIGHT SEE SCHEDULE DROP ROD BY GATE SUPPLIER **ROWLOCK CAP** (ACCENT COLOR) & SECTIONS ALUMINUM TUBE FRAME STEEL POST: 6X2X1/8", ALLOY 6063, HSS4X4X3/16, POWDER POWDER COATED COATED TO MATCH GATE ALUMINUM TUBE 2X2X1/8", ALLOY 6063, **ALUMINUM PANELS:** POWDER COATED 0.09 " ALLOY 5052, POWDER COATED BRICK TO MATCH HINGES: AMERISTAR BUILDING BRICK, HB518. WELD TO POST AND BOLT TO GATE SLAB, DRIVE OR LANDSCAPING. SEE SITE PLAN. ACCENT BRICK -SOLDIER COURSE THICKEN FOOTING GATE COLOR TO TO ACCOMMODATE MATCH EXTERIOR THE EMBEDMENT HOLLOW METAL OF GATE POSTS. HM-1 FINISH -SEE PLAN & REFER TO SECTION 1. EXTERIOR FINISH SCHEDULE IN

> 8D ELEVATION C \ DE-1 \/ 3/8" = 1'-0"

PROJECT MANUAL





8G PLAN DETAIL 2 - PD2
DE-1 1" = 1'-0"

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FOR CONSTRUCTIOON

ISSUE DATE 11.10.2014



Nancy Everhart, AIA, LEED AP PROJECT MANAGER Richard B. Salmon, LEED AP DESIGN TEAM

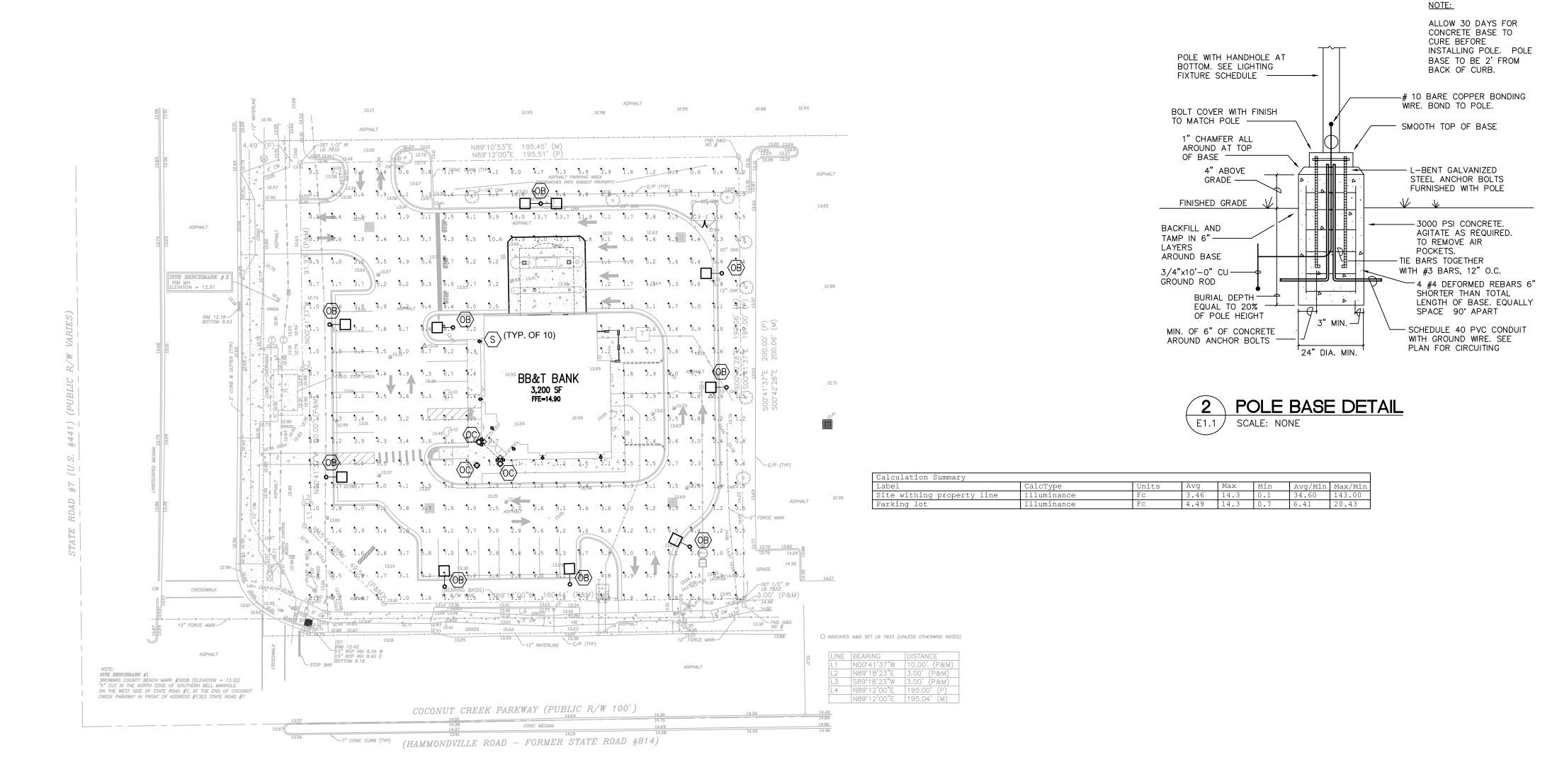
BB&T BRANCH BANK -COCONUT CREEK

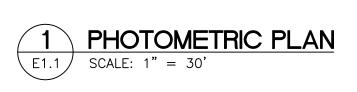
5700 COCONUT CREEK PARKWAY MARGATE, FL 33063

123.9419.00

DUMPSTER SCREEN **DETAILS**

DE-1

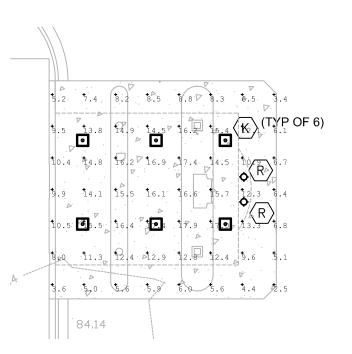




NOTE:

ALL LIGHTING WILL BE POSITIONED SO THAT IT DOES NOT ADVERSELY AFFECT ADJACENT PROPERTIES OR ROADWAY TRAFFIC.

ALL POLES TO BE SET BACK 2' FROM BACK OF CURB.







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BBST

ELECTRICAL ENGINEER

MARTIN O. MOBLEY, PE

LITTLE DIVERSIFIED

ARCHITECTURAL CONSULTING, INC.

5815 WESTPARK DRIVE

CHARLOTTE, NC 28217

FLORIDA LICENSE No. 57848

FLORIDA COA No. 00008157

PHONE NUMBER 704-561-4603



FOR CONSTRUCTION

| ISSUE_ | DATE | |
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PRINCIPAL IN CHARGE
Martin Mobley, PE
PROJECT MANAGER
Richard Salmon, LEED AP BD+C
DESIGN TEAM
Lee Brooks, LC
PROJECT NAME

BB&T BRANCH BANK Coconut Creek 5700 Coconut Creek Margate, FL 33063

123.9419.00

PHOTOMETRIC PLAN

E1.1

Columbia LIGHTING

FEATURES

Horizontal or vertical lamp position

Ballast housing is made of aluminum for maximum hea

Ballast accessible from below

HH22 LENSED PROJECT INFORMATION

CONSTRUCTION Housing constructed of code gauge steel. Power foor is constructed of 18 gauge steel and is secured with (2) ¼ turn fasteners. The power door contains for the power foor Wired with core and coil ballasts and are SCWA. aximum heat dissipation. The housing is riveted ether for maximum rigidity. Standard door frame CEILING COMPATIBILITY is constructed of cold rolled steel and is retained in fixture with two sturdy cam latches and T-hinges. The door can be installed from either side. Consult your Columbia representative for availability of luminaire is available to fit most standard eiling types as shown at left. For information or compatibility with specific ceilings, contact Choice of tempered glass or acrylic lens with temperec glass your Columbia representative. All luminaires are provided as standard with integral T-Bar clips.

 Uses EISA compliant pulse start metal halide technolog All units are static and cannot be used for supply or

EXAMPLE HH22-P400G-FSTG73-S-QT277 ORDERING INFORMATION HH 22 - P MODEL LAMPTYPE CEILINGTYPE SIZE LAMP WATTS DOOR

250 250 Watt

350 350 Watt **400** 400 Watt¹

RA Regressed Aluminum

© 2012 Columbia Lighting, a division of Hubbell Lighting, Inc. Because of continuing product in provement programs, Columbia Lighting reserves the right to change specifications without notice. 701 Millennium Bird. Greenville, SC 29607 / Tel 864.678.1000 / Tech Support 864.678.1668 / Webste www.columbialighting.com

TYPE 'R'

10" Lensed Ellipsoidal One Lamp MH Downlights 1061M D28 or BT28 MH Lamp 120V or 277V For conversion to millimeters

LAMP:
One (1) 175W ED28 or BT28 coated pulse start metal halide lamp. Enclosed rated. halide downlight that provides superior brightness and glare control. This luminaire is ideal for a wide variety of high ceiling Lamp furnished by others. SOCKET: Mogul base porcelain socket with nickel plated screw shell. applications including commercial, retail INSTALLATION: Universal adjustable mounting bracket Diecast aluminum plaster flange and hea accommodate 11/2" or 3/4" lathing channel or 1/2" EMT (by others), or Prescolite 24" bar hangers (B24 or B6). sink. .050" spun aluminum diffuse Alzak upper reflector, Prewired J-box. Thermal LABELS: REFLECTOR: High purity aluminum Alzak refector. Self-trim standard. Painted white self-trim

cone with white polypropylene trim ring.

Thermally protected electronic ballas

included with housing. Accessible from

Protective glass lens.

BALLAST:

CATALOG NUMBER:

1061M175EB 10°, (1) 175W ED28 or BT28 MH enclosed fixture

protected. Non-IC rated. EISA complain 9-3/16" 10-3/4"

27-5/16"

Requires field adjustment for 2 x 2 installation

EXAMPLE: 1061M175EB 836LBC B6 □ 120V □ 277V

notice, specifications or materials that in our opinion will not alter the function of Web: www.prescolite.com • Tech Support: (888) 777-4832

TYPE 'OA & OB'

A LITHONIA LIGHTING FEATURES & SPECIFICATIONS CONTOUR CONSTRUCTION — Rugged, die-cast, soft corner aluminum housing with 0.12' nominal wall thickness. Die-cast door frame has impact-resistant, tempered, glass lens that is fully gasketed rs attach with tool-less fasteners and are rotatable and interchangeable. ELECTRICAL SYSTEM — Ballast: High pressure sodium: 70-150W is high reactance, high power factor. Constant wattage autotransformer for 200-400W. Metal halide: 70-150W is high reactance, high power factor and is standard with pulse-start ignitor technology. "SCWA" not required. Constant wattage autotransformer for 175-400W. Super CWA (pulse start ballast), 88% efficient and EISA legislation compliant, is required for metal halide 151-400W (SCWA option) for US shipments only. CSA, NOM or INTL required for probe start shipments outside of the US. Pulse-start ballast (SCWA) required for 200W, 320W, or 350W. Ballast is 100% factory-tested. HPS: 70W-400W 20' to 35' Mounting Depth: 7-1/8" (18.1 cm) LISTING — ULListed (standard). CSA Certified (see Options). UL listed for 25°C ambient and wet locations. IP65 rated in accordance with standard IEC 529.

*Weight as configured in example below. example below. Specifications subject to change without notice.

ORDERING INFORMATION For shortest lead times, configure product using standard options (shown in bold). Example: KAD 400M R3 TB SCWA SPD04 LPI Type Length¹⁰ (blank) Magnetic ballast SF Single fuse 120, 277, 347V¹³

SPD Square pole Constant wattage pole pole O9 9" arm pole isolated⁹

Type Length¹⁰ (blank) Magnetic ballast SF Single fuse 120, 277, 347V¹³

SF Single fuse 120, 277, 347V¹³

DF Double fuse 208, 240, 480¹³

PD Power tray¹⁴

PER NEMA byvist-lock DWH White ORSTD ORS time delay15 DBL Black DAD12P Degree arm (pole)¹¹ NOTE:Forshipments INTL Available for MH probe 150MHC Distribution Hydroformed reflectors PE3 NEMA twist-lock PE (347V) PE4 NEMA twist-lock PE (480V) PE7 NEMA twist-lock PE (277) SC Shortening cap for PER option R5S IES type V square <u>Segmented reflectors</u>⁶ SR2 IES type II asymmetric⁵ VG Vandal guard SR3 IES type III asymmetric5

optics.

Tenon Mounting Slipfitter

Max allowable wattage lamp included.

Number of fixtures

Must be ordered with SCWA.

Reduced jacket ED28 required for SR2. SR3 and SR4SC optics.

House-side shield available.

See www.lthorias.com/archolors for additional color options.

Must be ordered as an accessory.

See www.lthorias.com/archolors for additional color options.

Must be specified.

Segmented reflectors not available with QRSTD.

Must specify CWI for use in Canada.

Max allowable wattage lamp included.

May be ordered as an accessory.

See www.lthorias.com/archolors for additional color options.

Additional color options.

2-3/8° T20-190 T20-280° T20-290° T20-320° T20-390° T20-390° T25-390° T25-Note: Bronzelite reserves the right to modify the above details to reflect changes in the cost of materials &/or production &/or design without prior notice. BRONZELITE - GENLYTE GROUP+100 Craftway • Littlestown, PA 17340 • Ph. (800) 273-1569 • Fax (717) 359-9545 • www.bronzelite.com ISO 9001:2000 Registered

PROJECT NAME:

by one stainless steel fastener.

.125" wall thickness.

FIXTURE COLUMN: Extruded aluminum, 6" diameter with

FIXTURE BASE: Heavy-duty cast aluminum with three hole

is secured to base with stainless steel locking screw.

gaskets for positive sealing of optical chamber.

without house side shield or conical specular aluminum

SOCKETS: Sockets for incandescent and HID are all 4KV

fluorescent are high temperature plastic: 26 watt is GX24Q-3,

BRONZELITE RF6 BOLLARD AREA/WALKWAY SPECIFICATION SHEET

Stylish and slim, the Bronzelite R6 bollards provide powerful yet cost

effective solutions to driveway and walkway lighting needs. The glass

refractor optics - Type 5 with or without house side shield - direct light

outward for maximum spacing. The cone optics provide an efficient,

All optical systems are protected by a clear acrylic lens and will

Series includes the Dome (D) and Flat (F) style head assembly.

bolt pattern using 3/8"-16 UNC x 8" galvanized steel anchor Dark Green (DGRN) finishes are thermoset polyester powder

bolts and twist-lock feature for easy fixture mounting. Column coat. Verde (VRD) finish hand-rubbed over a black thermoset

LENS: Single-piece clear acrylic with high temperature silicone CERTIFICATION: UL Listed to U.S. and Canadian safety

OPTIC ASSEMBLY: Borosilicate Type 5 glass refractor with or bonded to the aluminum substrate.

accommodate sources up to 100 watt incandescent and 100 watt HID.

The glass refractors and louvers will also accommodate up to 42 watt

PL-T compact fluorescent. Available in 24", 30" and 38" heights, the R6

multi-tap. Ballast for 28W PL-C compact fluorescent are core

ant CraftStone™ finishes (Limestone or Sandstone) which are

Copyright Genlyte Group, BRONZELITE Division 2005 RF6-Rev4

fluorescent are electronic, universal voltage 120-277V, 50 or

FINISH: Black (BLK), White (WHT), Dark Bronze (DB) and

FIXTURE TYPE: PROJECT NAME:_ DIMENSIONS ORDERING LOGIC - RF6 BOLLARD S=Sandstone BL=Black WH=White 5=Type V Refractor **208**=208 **24**=24" **5S**=Type V Refractor with House Side Shield **208**=208 **24**=24° **240**=240 **30**=30° DG=Dark Green SL=Silver 70W Metal Halide E17 35W High Pressure Sodium E17 RF6035HPS 50W High Pressure Sodium E17 70W High Pressure Sodium E17 RF6070HPS 100W High Pressure Sodium E17 Medium (120) () Medium () () GX24Q-3 (120) () GX32D-3 100W Incandescent A21 (5,5S) (5,5S) 26W Fluorescent PLT GX24Q-3* RF6026F 28W Fluorescent PLC28 GX32D-3*

TYPE 'OC'

PROJECT NOTES Note: Bronzelite reserves the right to modify the above details to reflect changes in the cost of materials &/or production &/or design without prior notice.

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RF6042F

(5,58)

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42W Fluorescent PLT GX24Q-4*

NOTE: Lamp not included.

ISO 9001:2000 Registered

TYPE 'S'

Wall luminaires for light in two directions

Housing: One piece die-cast aluminum for direct attachment to a BEGA 538 small opening witing box.

Enclosure: Tempered clear glass, %e" thick, retained by one piece die-cast BEGA Product: aluminum step baffle frame, 'slot' focusing prism, secured by stainless steel screws threaded into stainless steel inserts. Internal full, semi-specular reflector. Fully gasketed for weather tight operation using molded silicone rubber Color: Electrical: Lampholders: Incandescent are double contact bayonet, stainless steel, rated 600 V. Available in 120 V only. Finish: Available in five standard BEGA colors: Black (BLK), White (WHT), Bronze (BRZ); Silver (SLV); Eurocoa™ (URO). To specify, add appropriate suffix to catalog number. Custom colors supplied on special order.



BEGA-US 1000 BEGA Way, Carpinteria, CA 93013 (805)684-0533 FAX (805)566-9474 www.bega-us.com

LIGHT FIXTURE SCHEDULE TOTAL FIXTURE MANUFACTURER WATTAGE DETAILS DESCRIPTION BALLASTS (NO SUBSTITUTIONS) COLUMBIA: SQHH-22-P100-G- | PROVIDE OPTIONAL DROPPED PYRAMIDAL DIFFUSER LENS. FS-DP-QT-120-G2 INSTALL WITH 1 ADDITIONAL GASKET TO LIMIT INSECT INTRUSION. 2'X2' HID LAY-IN 1 M100/U HIGH POWER FACTOR 120V PRESCOLITE: 1061M175EB 836L | RECESSED METAL HALIDE DOWNLIGHT 1 M175/U VERTICALLY MOUNTED LAMP. CLEAR ALZAK REFLECTOR. ELECTRONIC BALLAST | 120V 210W DAMP LOCATION LABEL. TWO HEAD METAL HALIDE MOUNTED ATOP 25' ALUM. POLE. TWO HEAD SHOEBOX WITH 25'-0" SQUARE STRAIGHT LITHONIA: KAD 400M R3 208 SPD ALUMINUM POLE. POLE SHALL BE RATED FOR 100 MPH WIND. HIGH POWER FACTOR 208V M400/U/BT-28 976W AT 90° OR 180°. ROTATE OPTICS AS FINISH: DARK BRONZE SHOWN ON PLAN. ONE HEAD METAL HALIDE MOUNTED ATOP 25' ALUM. POLE. AT 90' OR 180'. ROTATE OPTICS AS ONE HEAD SHOEBOX WITH 25'-0" SQUARE STRAIGHT LITHONIA: KAD 400M R4 208 SPD ALUMINUM POLE. POLE SHALL BE RATED FOR 100 MPH WIND. HIGH POWER FACTOR | 208V 488W M400/U/BT-28 FINISH: DARK BRONZE SHOWN ON PLAN. ALLOY ALUMINUM HOUSING. CLEAR LENS. BRONZELITE: RF6070MH DB 5 | HIGH POWER FACTOR | 120V OC 6" ROUND BOLLARD 1 70W MH 88W BRONZE FINISH. WET LOCATION LABEL. DIE-CAST ALUMINUM HOUSING. TEMPERED CLEAR GLASS EXTERIOR WALL SCONCE 1 100W T4 DCB LENS. SEMI-SPECULAR REFLECTOR. BLACK FINISH. |ELECTRONIC BALLAST | 120V 6610-538-BK WET LOCATION LABEL. FIXTURE NOTES:

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PHONE NUMBER 704-561-4603



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| PROJEC: | | | | | |

Martin Mobley, PE Richard Salmon, LEED AP BD+C DESIGN TEAM Lee Brooks, LC

PROJECT NAME ____ BB&T BRANCH BANK Coconut Creek 5700 Coconut Creek Margate, FL 33063

PROJECT_NUMBER____ 123.9419.00

LIGHTING SCHEDULE