

# ST. ARMANDS CIRCLE PEDESTRIAN ENHANCEMENTS

FOR  
CITY OF SARASOTA

IN  
SECTION 26, TOWNSHIP 36 S., RANGE 17 E.  
CITY OF SARASOTA, FLORIDA

JUNE 2007

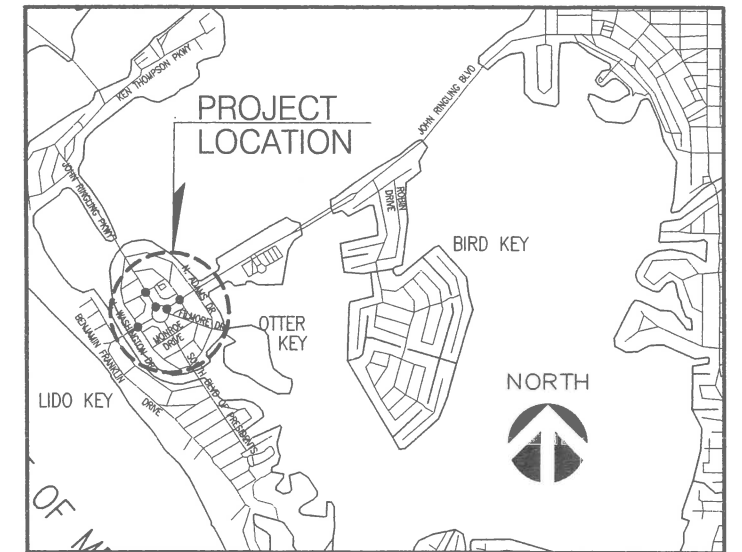


CITY OF SARASOTA

MAYOR - LOU ANN PALMER  
VICE MAYOR - KELLY M. KIRCHNER  
COMMISSIONERS - FREDD "GLOSSIE" ATKINS  
RICHARD CLAPP  
KEN SHELIN  
CITY MANAGER - V. PETER SCHNEIDER  
DIRECTOR PUBLIC WORKS - WILLIAM HALLISEY



PROJECT No. 60518.01

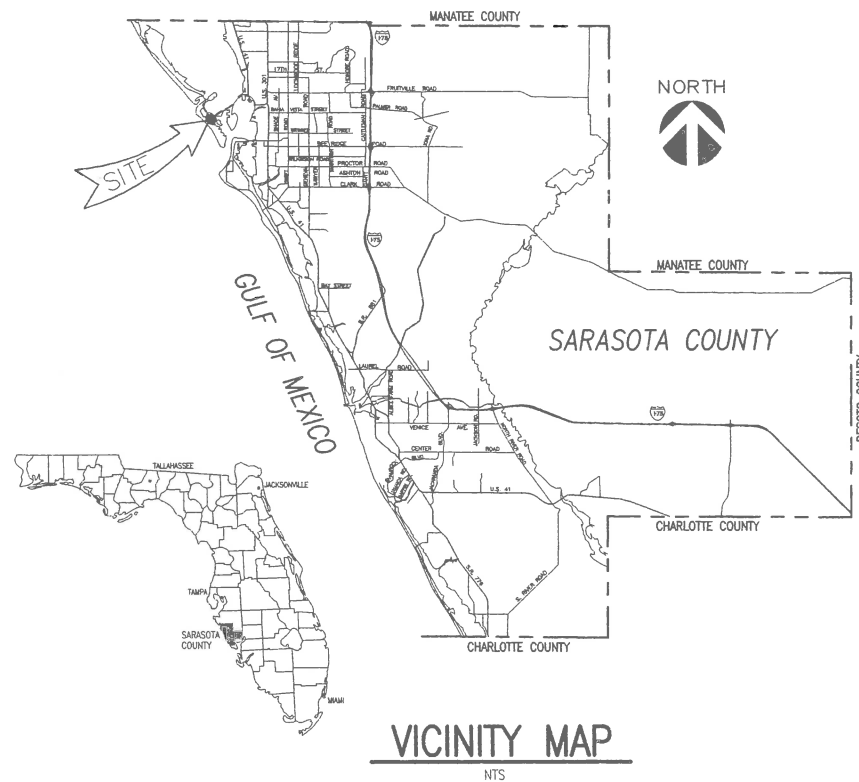


LOCATION MAP  
NTS

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VICINITY MAP  
NTS

### CLIENT:

CITY OF SARASOTA  
PUBLIC WORKS DEPARTMENT  
1761 12TH STREET  
SARASOTA, FLORIDA 34236  
PHONE: (941) 954-4180  
FAX: (941) 954-4174

### GENERAL CONTRACTOR:

LOVIN CONSTRUCTION  
6204 33rd STREET EAST  
BRADENTON, FLORIDA 34203  
PHONE: (941) 755-4312  
FAX: (941) 758-7184

### CIVIL ENGINEER/SURVEYOR

BASKERVILLE-DONOVAN, INC.  
6000 CATTLERIDGE DR, SUITE 300  
SARASOTA, FLORIDA 34232  
PHONE: (941) 316-0411  
FAX: (941) 316-9201

### LANDSCAPE ARCHITECT:

SOLINKO DESIGN ASSOCIATES, LLC  
8051 N. TAMiami TRAIL, SUITE D5  
SARASOTA, FLORIDA 34243  
PHONE: (941) 355-7110  
FAX: (941) 355-7114

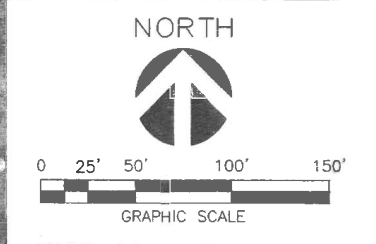


48 HOURS BEFORE YOU DIG  
CALL SUNSHINE  
1-800-432-4770  
IT'S THE LAW IN FLORIDA  
FL STATUTE 553.851 (1979) REQUIRES  
MIN. OF 2 DAYS AND MAX. OF 5 DAYS  
NOTICE BEFORE YOU EXCAVATE.

ATTENTION IS DIRECTED TO THE FACT THAT THESE  
PLANS MAY HAVE BEEN REDUCED IN SIZE BY  
REPRODUCTION. THIS MUST BE CONSIDERED WHEN  
OBTAINING SCALED DATA.

JAMES G. SCHOTSCH, P.E. FL. P.E. NO. 49571  
DATE: \_\_\_\_\_ E.B. # 0000340

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**BASKERVILLE-DONOVAN, INC.**  
 INNOVATIVE INFRASTRUCTURE SOLUTIONS  
 6000 CANTLENDER DR., SUITE 300  
 SARASOTA, FLORIDA 34236 - (941) 318-0411  
 ENGINEERING BUSINESS: EP-0000840

CITY OF SARASOTA  
 PUBLIC WORKS DEPARTMENT

NO.	DATE	APPR.	REVISION/ACTION TAKEN

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NOT RELEASED FOR CONSTRUCTION

PROJECT NO: **60518.01**  
 DESIGNED BY: JGS  
 DRAWN BY: EG  
 CHK'D BY:  
 PROJ. MGR: JGS  
 DATE: 06/2007

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JAMES G. SCHOTSCH  
 P.E. NO. 49571

ST. ARMAND'S CIRCLE  
 PEDESTRIAN ENHANCEMENTS  
**AERIAL PHOTO**  
**C-01**

**GENERAL NOTES:**

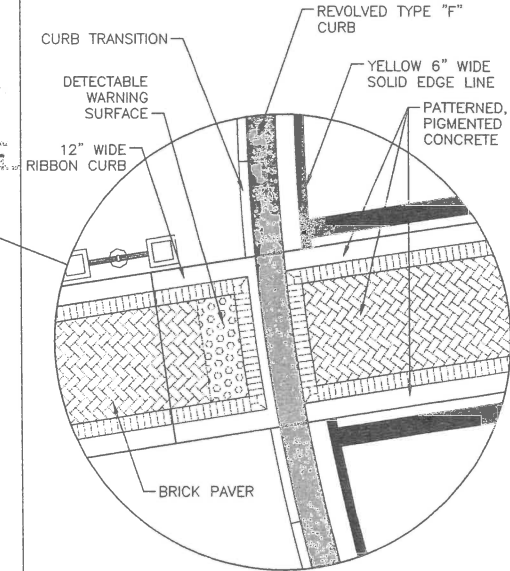
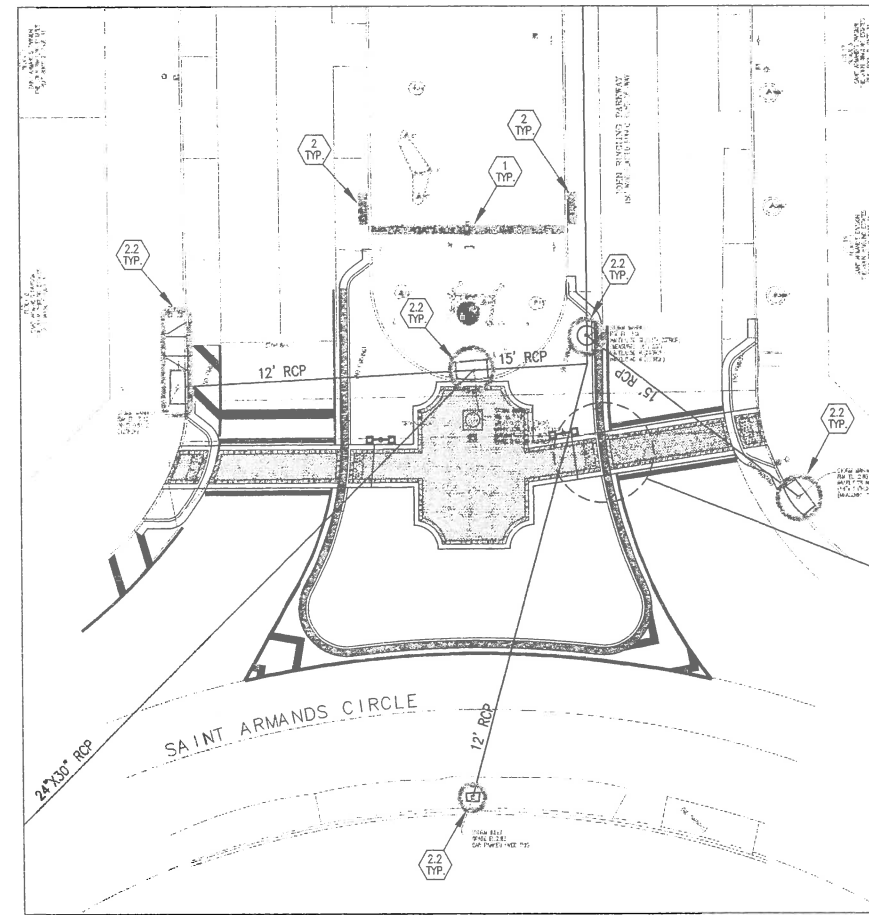
1. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING RIGHT-OF-WAY CONSTRUCTION PERMITS FROM THE THE CITY OF SARASOTA ENGINEERING DEPARTMENT PRIOR TO ANY CONSTRUCTION WITHIN THE RIGHT-OF-WAY.
2. CONSTRUCTION EQUIPMENT TO BE PLACED ON THE CONSTRUCTION SITE ONLY.
3. ALL CONSTRUCTION SHALL CONFORM TO CITY OF SARASOTA ENGINEERING AND PUBLIC WORKS STANDARDS.
4. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS SHOWN ON THE PLANS AND REVIEW ALL FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION. SHOULD DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO OBTAIN THE ENGINEER'S CLARIFICATION BEFORE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
5. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, STORM DRAINS, UTILITIES AND OTHER FACILITIES TO REMAIN AND SHALL REPAIR ANY DAMAGES DUE TO HIS CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE OWNER.
6. THE CONTRACTOR SHALL USE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND POWER LINES.
7. THE CONTRACTOR SHALL CALL SUNSHINE STATE ONE CALL (1-800-432-4770) A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION FOR UTILITY LOCATES.
8. THE CONTRACTOR SHALL IMMEDIATELY HAVE ANY DAMAGES TO EXISTING WATER, GAS, POWER AND TELEPHONE MAINS AND SERVICES CAUSED BY CONSTRUCTION ACTIVITIES REPAIRED.
9. ALL RESTORATION WORK PERFORMED THROUGHOUT THE PROJECT SHALL CONFORM TO EXISTING LINES AND GRADES UNLESS OTHERWISE NOTED.
10. THE CONTRACTOR SHALL PROVIDE ANY NECESSARY DEWATERING DURING THE LENGTH OF THE PROJECT.
11. AT THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL CLEAN OUT ALL EXISTING STORM DRAINS AND STRUCTURES WITHIN THE PROJECT LIMITS.
12. THE CONTRACTOR SHALL MAKE ALL STREETS FULLY PASSABLE AT THE END OF EACH WORK DAY. NO OPEN TRENCHES WILL BE PERMITTED OVERNIGHT, WEEKENDS OR HOLIDAYS.
13. ALL SURVEY MARKERS (BOTH VERTICAL AND HORIZONTAL) WITHIN THE GENERAL VICINITY, SHALL BE CONTINUOUSLY PROTECTED. ANY MARKERS DISTURBED OR DAMAGED SHALL BE REPLACED BY A PROFESSIONAL SURVEYOR MAPPER AND CERTIFIED TO THE CITY ENGINEER PRIOR TO FINAL ACCEPTANCE.
14. CONTRACTOR SHALL REMOVE AND RELOCATE/REPLACE ALL EXISTING FENCES WITH-IN EXISTING RIGHT-OF-WAY LIMITS. FENCES SHALL BE RELOCATED/REPLACED AT THE EXISTING RIGHT-OF-WAY LINE AT NO ADDITIONAL COST THE THE OWNER.

**CONSTRUCTION NOTES:**

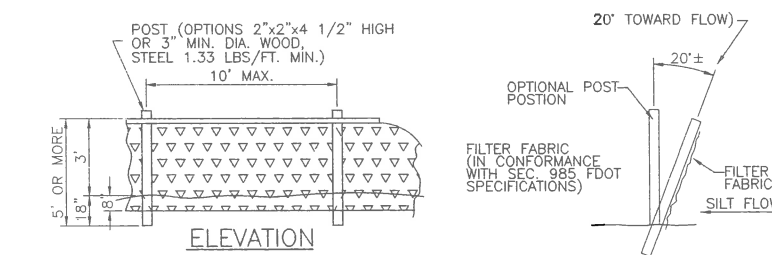
1. THE LOCATION OF EXISTING UTILITIES SHOWN HEREON IS BASED ON THE BEST AVAILABLE INFORMATION AS PROVIDED BY THE ASSOCIATED UTILITY OWNER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS DURING CONSTRUCTION TO CONTROL EROSION AND PREVENT THE TRANSPORT OF SEDIMENT TO SURFACE, STORM DRAINS AND/OR ADJACENT PROPERTIES. SILT SCREENS, HAY BALES AND/OR FILTER FABRIC, OR OTHER APPROVED MEANS, SHALL BE EMPLOYED. SODDING AND/OR SEEDING SHALL BE ACCOMPLISHED AS SOON AS PRACTICAL AFTER EXCAVATION AND GRADING IS COMPLETE.
3. ALL PROPOSED DRAINAGE PIPE SHALL BE CONCRETE, AS SPECIFIED, UNLESS OTHERWISE NOTED. CONCRETE PIPE SHALL BE RCP CLASS III AND FURNISHED AND INSTALLED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS, 430-7 AND 941.
4. PAVED INVERTS WITHIN THE DRAINAGE STRUCTURES SHALL BE PROVIDED TO PRECLUDE PONDED WATER.
5. LAY SOD AROUND ALL INLETS, MITERED ENDWALLS, HEADWALLS, SWALES, SLOPES, ADJACENT TO EDGE OF PAVEMENT AND ADJACENT TO BACK OF CURB AS SHOWN IN DETAILS OR AS DIRECTED BY THE ENGINEER.
6. CONTRACTOR SHALL REPORT ALL OFF-SITE SURFACE WATER DISCHARGES HAVING TURBIDITY IN EXCESS OF 29 NTUS (NEPHELOMETRIC TURBIDITY UNITS) ABOVE BACKGROUND LEVEL TO THE CITY OF SARASOTA ENGINEERING DEPARTMENT WITHIN 24 HOURS OF OCCURRENCE. NOTIFICATION SHALL INCLUDE CAUSE OF THE PROBLEM, CORRECTIVE MEASURES TAKEN, AND INSTALLATION OF ADDITIONAL CONTROLS NOT SHOWN ON THE APPROVED CONSTRUCTION PLAN.
7. CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES ARE NOT IMPACTED BY WIND EROSION FROM THE CONSTRUCTION SITE BY TAKING ADEQUATE MEASURES TO STABILIZE THE AFFECTED AREAS.
8. FUEL OR OTHER PETROLEUM PRODUCT SPILLS IN EXCESS OF 25 GALLONS AND GENERATED FROM CONSTRUCTION OPERATIONS, OR THOSE THAT ENTER STORM WATER DRAINAGE WAYS OR WATER BODIES, SHALL BE CONTAINED, CLEANED UP AND REPORTED IMMEDIATELY TO THE CITY OF SARASOTA PUBLIC WORKS DEPARTMENT. SMALLER SURFACE SPILLS SHALL BE CLEANED UP AS SOON AS PRACTICAL, IN ACCORDANCE WITH INDUSTRY STANDARDS.
9. CONTRACTOR SHALL PROVIDE ENGINEER SIGNED AND SEALED AS-BUILT SURVEY DRAWINGS PREPARED BY A PROFESSIONAL SURVEYOR AND MAPPER REGISTERED IN THE STATE OF FLORIDA. THE DRAWINGS SHALL INDICATE HORIZONTAL AND VERTICAL DIMENSIONAL DATA SO THAT CONSTRUCTED IMPROVEMENTS MAY BE LOCATED AND DELINEATED SO THE ENGINEER OF RECORD CAN DETERMINE IF THE IMPROVEMENTS WERE CONSTRUCTED IN CONFORMANCE WITH THE APPROVED CONSTRUCTION PLANS. AS-BUILT DRAWINGS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE RULING AGENCY.
10. ALL SURFACE WATER DISCHARGES FROM THE PROPERTY SHALL COMPLY WITH THE STATE WATER QUALITY STANDARDS CONTAINED IN DEPARTMENT OF ENVIRONMENTAL PROTECTION RULES, CHAPTER 62-302, FLORIDA ADMINISTRATIVE CODE (F.A.C.) AND THE WATER POLLUTION CONTROL CODE (SARASOTA COUNTY ORDINANCE NO. 96-020, AS AMENDED).
11. URING PIPE INSTALLATION, THE CONTRACTOR SHALL IMMEDIATELY BACKFILL THE TRENCH AFTER EACH SECTION OF PIPE IS INSTALLED. MAXIMUM OPEN TRENCH LENGTH SHALL BE 40 FEET.
12. MINIMUM DEPTH OF COVER OVER ANY REQUIRED WATER MAINS SHALL BE 36". NO ADDITIONAL PAYMENTS SHALL BE MADE TO CONTRACTOR FOR INSTALLING LINES AT GREATER THAN 36" COVER OVER PIPE.
13. CONSTRUCTION MUST COMPLY WITH THE "FAIR HOUSING ACT DESIGN MANUAL", "FLORIDA ACCESSIBILITY CODE", AND THE "AMERICANS WITH DISABILITIES ACT," WHERE APPLICABLE.
14. HANDICAP RAMPS: TO BE CONSTRUCTED PER THE ADJACENT DETAIL AND EMBOSSED PER CITY OF SARASOTA EDCM. SAW CUTTING GROOVES IN RAMPS IS NON-CONFORMING AND IS NOT ALLOWED. CURB RAMPS AND SIDE FLARES SHALL COMPLY TO THE "FLORIDA ACCESSIBILITY CODE" 4.3.5, 4.6.3, 4.7, 4.7.1 AND FIGURES 11-13. DETECTABLE WARNING TEXTURES ON WALKING SURFACES SHALL CONSIST OF EXPOSED AGGREGATE CONCRETE, CUSHIONED SURFACES MADE OF RUBBER OR PLASTIC, RAISED STRIPS, OR GROOVES. TEXTURES SHALL CONTRAST WITH THAT OF SURROUNDING SURFACE. RAISED STRIPS OR GROOVES SHALL COMPLY WITH FIG. 40a AND 40b.GROOVES MAY BE USED INDOORS ONLY (4.29.2(i)).
15. ALL ROADWAYS AND DRAINAGE STRUCTURES ARE REQUIRED TO BE 3000 PSI CONCRETE MINIMUM.
16. SIDEWALKS ARE TO HAVE EXPANSION JOINTS AT A MAXIMUM SPACING OF 50 FEET; AND CONTRACTION JOINTS AT INTERVALS EQUAL TO THE WIDTH OF THE SLAB, BUT NOT MORE THAN TEN FEET. NO JOINTS SHALL BE CLOSER THAN FOUR FEET.
17. ANY EXISTING UNSUITABLE OR ORGANIC SOIL MATERIAL SHALL BE REMOVED FROM UNDER ROADWAY AND FIVE FEET BEHIND CURB AND FROM UNDER BUILDING PADS AND FIVE FEET OUTSIDE OF BUILDING PADS. A GEOTECHNICAL ENGINEER SHALL INDICATE THE REMOVAL DEPTH AND SHALL VERIFY THAT ORGANIC AND OTHER UNSUITABLE MATERIAL HAVE BEEN REMOVED.
18. FILL UNDER ROADWAYS AND BUILDING PADS SHALL BE PLACED IN APPROPRIATE LIFTS. COMPACTION OF SOIL MATERIAL UNDER PROPOSED BUILDINGS AND ROADWAYS SHALL BE 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO METHOD T-180.
19. CONTRACTOR SHALL COORDINATE WITH THE CITY OF SARASOTA FOR ALL COMPACTION DENSITY TESTING; THE CITY OF SARASOTA SHALL PERFORM ALL COMPACTION DENSITY TESTING. ANY UNSATISFACTORY OR FAILING TEST AREAS SHALL BE RE-COMPACTED BY THE CONTRACTOR UNTIL DENSITY TESTS PASS, AT NO ADDITIONAL EXPENSE TO THE OWNER.
20. FORTUITOUS FINDS: DURING A PROPERTY INSPECTION, IF ANY HISTORICAL OR ARCHAEOLOGICAL FINDS ARE OBSERVED, ALL WORK SHALL CEASE IN THE AREA. THE DEVELOPER, OWNER, CONTRACTOR, OR AGENT THEREOF MUST NOTIFY THE DEPARTMENT OF HISTORICAL RESOURCES IMMEDIATELY IF HISTORIC OR PREHISTORIC ARTIFACTS, REMAINS, OR FEATURES ARE FOUND DURING CONSTRUCTION. EXAMPLES MAY INCLUDE FRAGMENTS OF STONE TOOLS, SHELL TOOLS, POTTERY, GLASS, BOTTLES, ANIMAL BONES, BUILDING FOUNDATIONS, SHELL MOUNDS, OR SAND MOUNDS. THE DEPARTMENT WILL ASSESS THE SIGNIFICANCE OF THE FINDS IN A TIMELY MANNER.
21. UNMARKED HUMAN BURIALS: IF ANY HUMAN SKELETAL REMAINS ARE FOUND, ALL WORK IN THE AREA MUST STOP, AND THE NEAREST LAW ENFORCEMENT OFFICE SHOULD BE CONTACTED IMMEDIATELY BY THE CONTRACTOR. ACCORDING TO STATE LAW (F.S. 872.05), IT IS UNLAWFUL TO DAMAGE OR DESTROY A HUMAN BURIAL. THE DEPARTMENT OF HISTORICAL RESOURCES MUST ALSO BE NOTIFIED.
22. CONTRACTOR SHALL PROVIDE A MAINTENANCE OF TRAFFIC PLAN THAT SHALL BE SIGNED, SEALED AND IN ACCORDANCE WITH FDOT STANDARD INDICES.
23. ALL LANDSCAPING, SIGNAGE, LIGHTING, PAINT MARKINGS AND ACCESS AT CURBS, GUTTERS, SIDEWALKS AND INTERSECTIONS WILL CONFORM TO THE CITY OF SARASOTA EDCM STANDARDS AND ACCESSIBILITY REQUIREMENTS, THE LATEST ADA REQUIREMENTS AND COMPLIANCE WITH APPLICABLE ORDINANCES AND REGULATIONS OF THE CITY OF SARASOTA.

**BEST MANAGEMENT PRACTICES (BMP) GUIDELINES:**

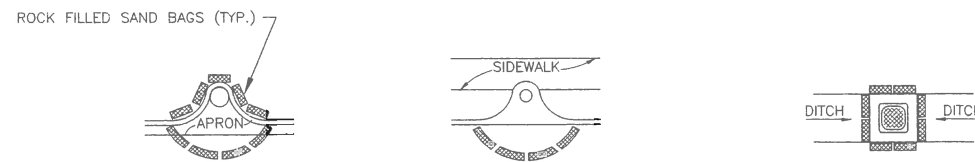
1. BEST MANAGEMENT PRACTICES DEVICES SHALL BE USED TO ADDRESS EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH THE CITY OF SARASOTA EDCM, PART 2, EROSION AND SILTATION CONTROL.
2. THE PLAN INDICATES TYPICAL BEST MANAGEMENT PRACTICES DEVICE LOCATIONS. REFER TO BMP DETAILS FOR DETAILED PLACEMENT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY BMP DEVICES THROUGHOUT THE DURATION OF CONSTRUCTION OR AS INSTRUCTED BY THE ENGINEER.
4. ALL GRASSING BY EITHER SEED OR SOD SHALL BE INSTALLED AS SOON AS PRACTICAL UPON THE COMPLETION OF FINAL GRADING OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL GRASSING IN A HEALTHY GROWING ENVIRONMENT UNTIL FINAL ACCEPTANCE AND CERTIFICATION.
5. THE CONTRACTOR, SHALL BE RESPONSIBLE TO SAFELY STORE EQUIPMENT, FUEL, OIL AND OTHER HAZARDOUS SUBSTANCES FROM CONTAMINATING THE STORM WATER MANAGEMENT AND COLLECTION SYSTEMS AND PRESERVATION AREAS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOR WIND AND DUST DURING ALL PHASE OF CONSTRUCTION BY USE OF WATER TRUCKS, WIND FENCING OR OTHER APPROVED DEVICES.



**PAVER BRICK DETAIL**  
SCALE: 1"=5'



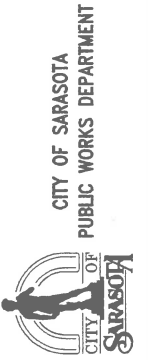
**DEVICE 1**  
**TYPICAL SILT FENCE**



**DEVICE 2**  
**PROTECTION AROUND INLETS OR SIMILAR STRUCTURES**

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JAMES G. SCHOTSCH  
P.E. NO. 49571



NO.	DATE	APPR.	REVISION/ACTION TAKEN

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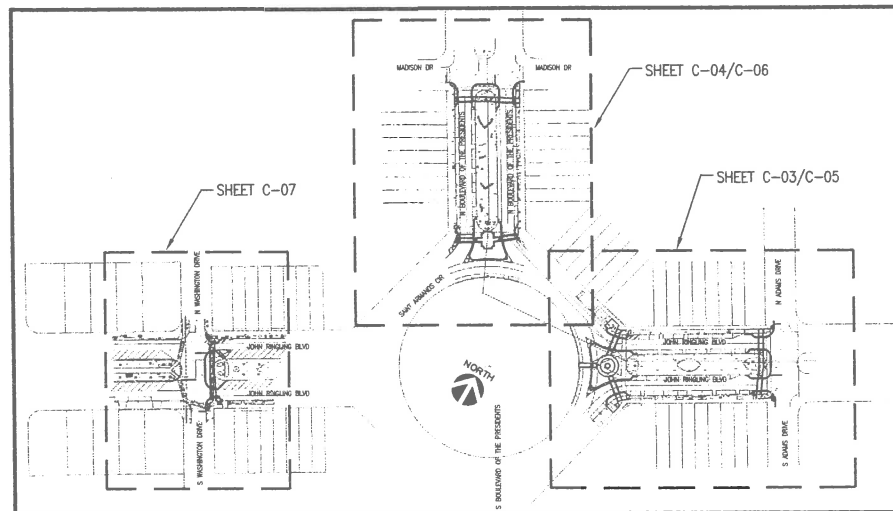
PROJECT NO: **60518.01**  
 DESIGNED BY: JGS  
 DRAWN BY: EG  
 CHKD BY: JGS  
 PROJ. MGR: JGS  
 DATE: 06/2007

**ST. ARMANDS CIRCLE PEDESTRIAN ENHANCEMENTS**

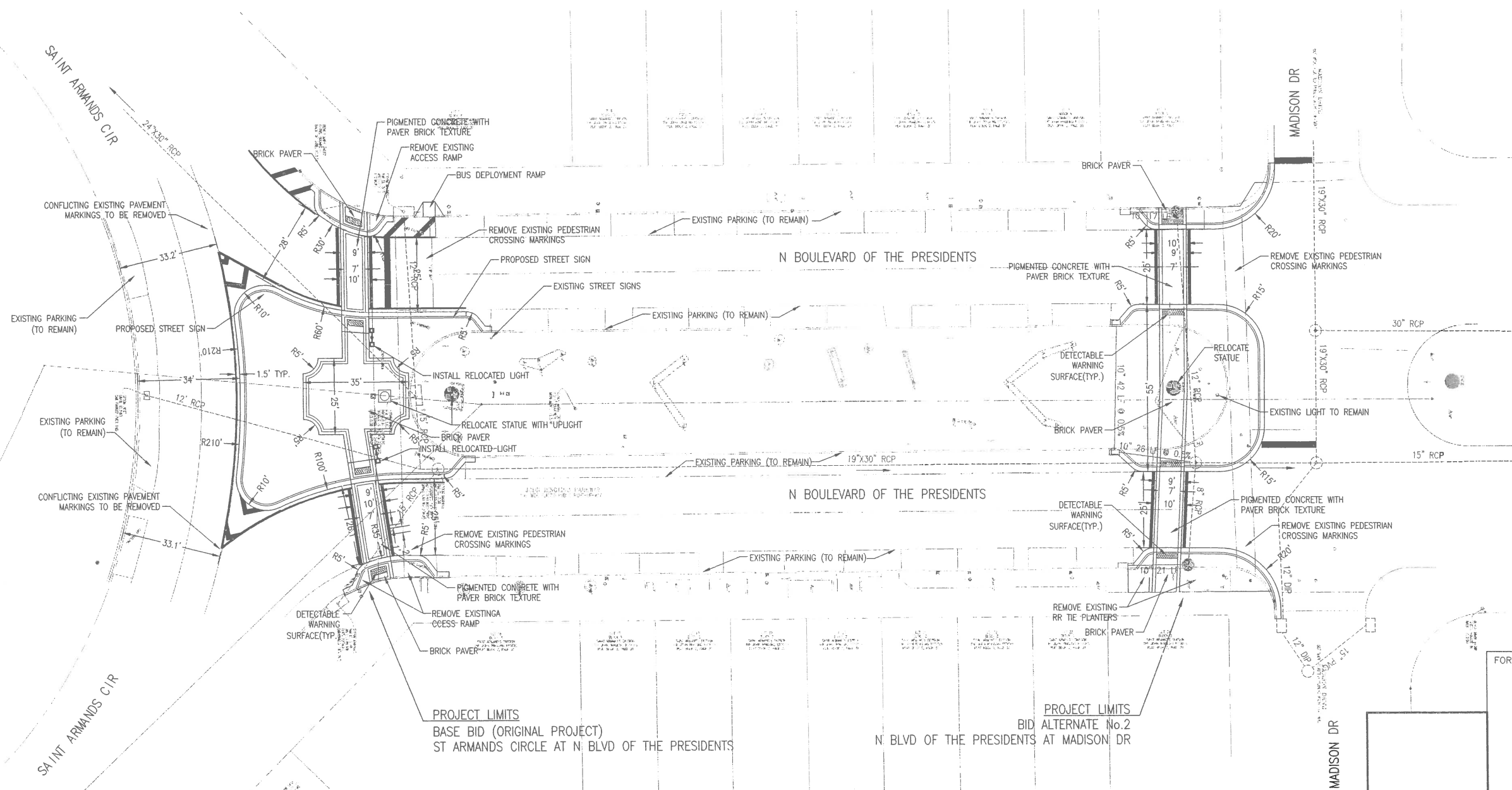
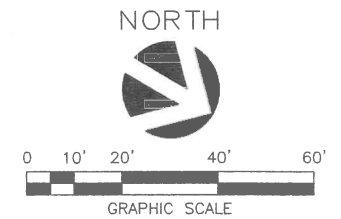
**BEST MANAGEMENT PRACTICES PLAN AND GENERAL NOTES**



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SITE PLAN KEY



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JAMES G. SCHOTSCH  
P.E. NO. 49571

PROJECT NO:	DESIGNED BY:	DRAWN BY:	CHK'D BY:	PROJ. MGR:	DATE:
60518.01	JGS	EG	JGS	JGS	06/2007

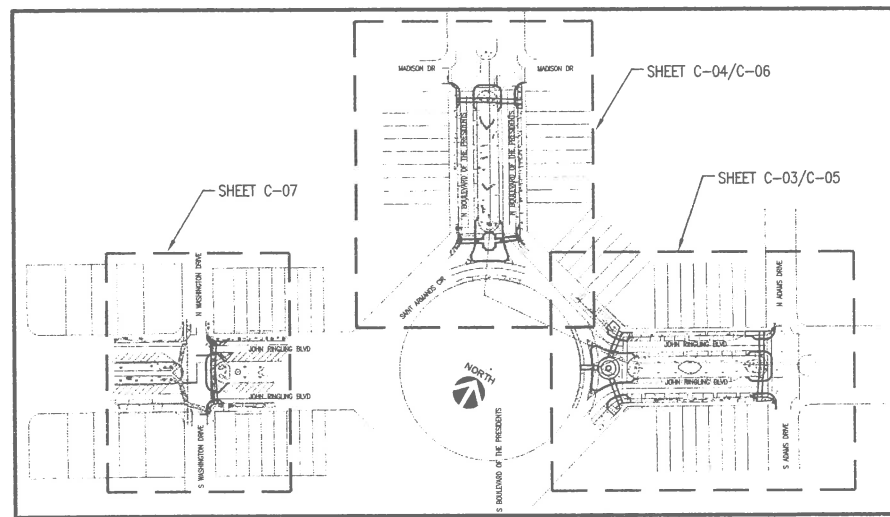
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ST. ARMAND'S CIRCLE  
PEDESTRIAN ENHANCEMENTS  
**SITE PLAN**

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SITE PLAN KEY

**CONSTRUCTION NOTES:**

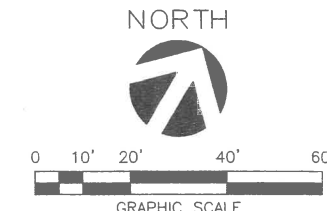
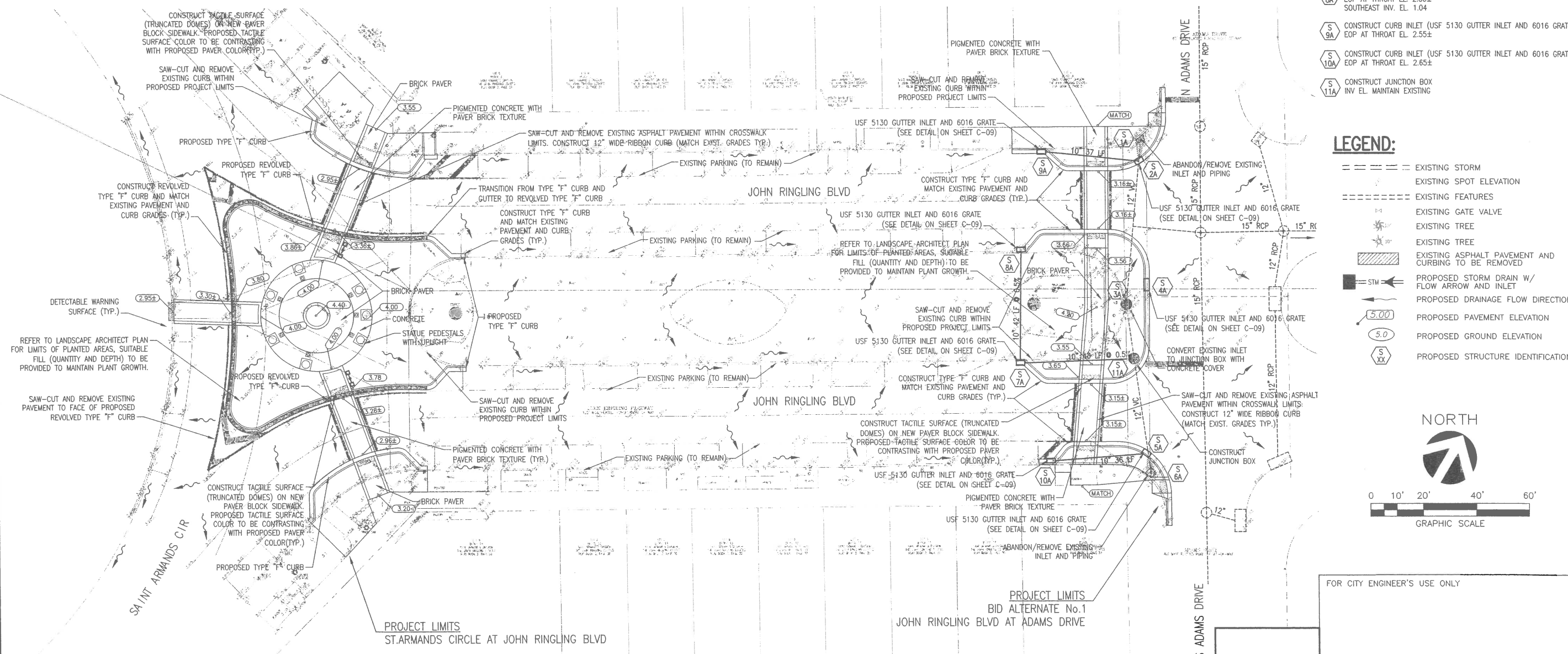
1. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, STORM DRAINS, UTILITIES, AND OTHER FACILITIES TO REMAIN AND SHALL REPAIR ANY DAMAGES DUE TO HIS CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE OWNER.
2. THE CONTRACTOR SHALL CONSTRUCT SILT SCREENS, HAY BALES OR OTHER APPROVED DEVICES PRIOR TO CONSTRUCTION TO PREVENT ADVERSE OFFSET IMPACT OF STORM WATER QUALITY AND QUANTITY. REFER TO B.M.P. PLAN AND DETAILS.
3. THE CONTRACTOR SHALL NOTIFY SUNSHINE STATE ONE-CALL (1-800-432-4770) PRIOR TO COMMENCING WITH CONSTRUCTION.
4. PROPOSED FINISHED GRADE IN UNPAVED AREAS REPRESENTS TOP OF SOD. CONTRACTOR SHALL ALLOW 2" FOR SOD PLACEMENT.
5. THE CONTRACTOR SHALL COORDINATE WITH THE LANDSCAPE PLANS FOR EXACT LOCATION OF LANDSCAPE ELEMENTS.
6. ALL RESTORATION WORK PERFORMED THROUGHOUT THE PROJECT SHALL CONFORM TO EXISTING LINES AND GRADES UNLESS OTHERWISE NOTED.
7. THE CONTRACTOR TO ENSURE FILL MATERIAL USED WITHIN PROPOSED MEDIAN LIMITS BE SUITABLE FOR HEALTHY PLANT GROWTH. FILL SHALL NOT CONTAIN CLAY MATERIAL OR OTHER UNSUITABLE MATERIAL THAT WOULD PROHIBIT HEALTHY PLANT GROWTH.
8. THE CONTRACTOR SHALL COORDINATE WITH THE LANDSCAPE PLANS FOR BENCHES, RECEPTACLES, LIGHTING AND OTHER HARDSCAPE FEATURES.

**STRUCTURE TABULATION-"A":**

- S 1A EXISTING STORM INLET  
REMOVE EXISTING INLET AND PIPING
- S 2A CONSTRUCT CURB INLET (USF 5130 GUTTER INLET AND 6016 GRATE)  
EOP AT THROAT EL. 3.05±  
INV. EL. MAINTAIN EXISTING
- S 3A EXISTING STORM INLET  
REMOVE EXISTING INLET AND CONSTRUCT JUNCTION BOX OVER EXISTING PIPES  
TOP RING & COVER EL. 2.40±  
EXISTING INV. EL. 0.40
- S 4A CONSTRUCT CURB INLETOVER EXISTING STORM PIPE (USF 5130 GUTTER INLET AND 6016 GRATE)  
EOP AT THROAT EL. 2.75±  
INV. EL. MAINTAIN EXISTING
- S 5A CONSTRUCT CURB INLET (USF 5130 GUTTER INLET AND 6016 GRATE)  
EOP AT THROAT EL. 3.10±  
INV. EL. MAINTAIN EXISTING
- S 6A EXISTING STORM INLET  
REMOVE EXISTING INLET AND PIPING
- S 7A CONSTRUCT CURB INLET (USF 5130 GUTTER INLET AND 6016 GRATE)  
EOP AT THROAT EL. 3.00±  
NORTHEAST INV. EL. 0.73  
NORTHWEST INV. EL. 0.83
- S 8A CONSTRUCT CURB INLET (USF 5130 GUTTER INLET AND 6016 GRATE)  
EOP AT THROAT EL. 2.80±  
SOUTHEAST INV. EL. 1.04
- S 9A CONSTRUCT CURB INLET (USF 5130 GUTTER INLET AND 6016 GRATE)  
EOP AT THROAT EL. 2.55±
- S 10A CONSTRUCT CURB INLET (USF 5130 GUTTER INLET AND 6016 GRATE)  
EOP AT THROAT EL. 2.65±
- S 11A CONSTRUCT JUNCTION BOX  
INV. EL. MAINTAIN EXISTING

**LEGEND:**

- EXISTING STORM
- EXISTING SPOT ELEVATION
- EXISTING FEATURES
- EXISTING GATE VALVE
- EXISTING TREE
- EXISTING TREE
- EXISTING ASPHALT PAVEMENT AND CURBING TO BE REMOVED
- PROPOSED STORM DRAIN W/ FLOW ARROW AND INLET
- PROPOSED DRAINAGE FLOW DIRECTION
- PROPOSED PAVEMENT ELEVATION
- PROPOSED GROUND ELEVATION
- PROPOSED STRUCTURE IDENTIFICATION



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ENGINEERING BUSINESS: BB-0000540

**CITY OF SARASOTA**  
PUBLIC WORKS DEPARTMENT  
CITY OF SARASOTA

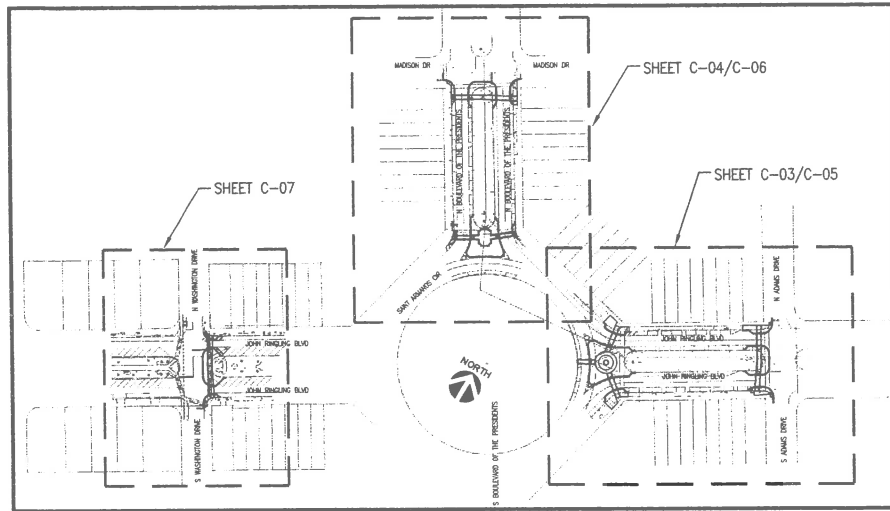
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ST. ARMANDS CIRCLE  
PEDESTRIAN ENHANCEMENTS  
**PAVING, GRADING AND DRAINAGE PLAN**

**C-05**

JAMES G. SCHOTSCH  
P.E. NO. 49571



SITE PLAN KEY

**CONSTRUCTION NOTES:**

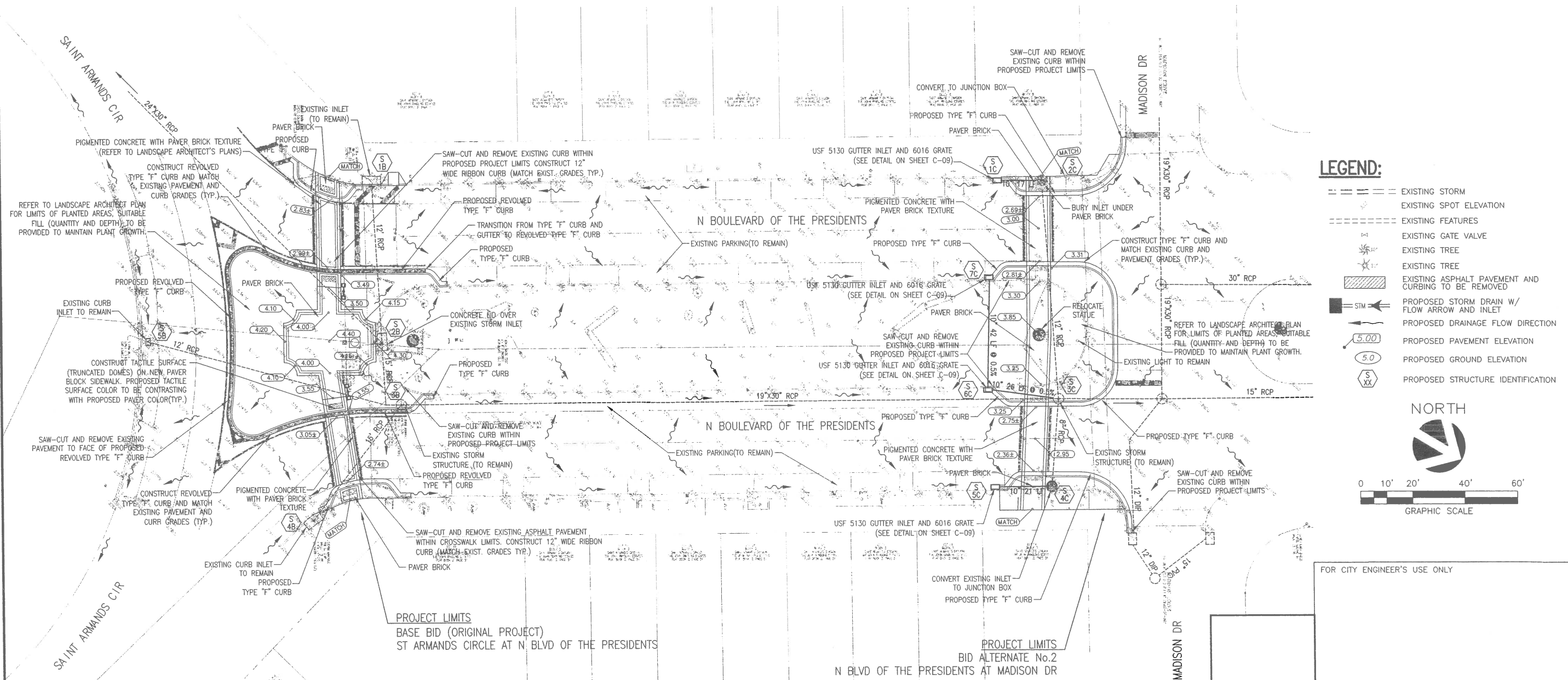
1. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, STORM DRAINS, UTILITIES, AND OTHER FACILITIES TO REMAIN AND SHALL REPAIR ANY DAMAGES DUE TO HIS CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE OWNER.
2. THE CONTRACTOR SHALL CONSTRUCT SILT SCREENS, HAY BALES OR OTHER APPROVED DEVICES PRIOR TO CONSTRUCTION TO PREVENT ADVERSE OFFSET IMPACT OF STORM WATER QUALITY AND QUANTITY. REFER TO B.M.P. PLAN AND DETAILS.
3. THE CONTRACTOR SHALL NOTIFY SUNSHINE STATE ONE-CALL (1-800-432-4770) PRIOR TO COMMENCING WITH CONSTRUCTION.
4. PROPOSED FINISHED GRADE IN UNPAVED AREAS REPRESENTS TOP OF SOD. CONTRACTOR SHALL ALLOW 2" FOR SOD PLACEMENT.
5. THE CONTRACTOR SHALL COORDINATE WITH THE LANDSCAPE PLANS FOR EXACT LOCATION OF LANDSCAPE ELEMENTS.
6. ALL RESTORATION WORK PERFORMED THROUGHOUT THE PROJECT SHALL CONFORM TO EXISTING LINES AND GRADES UNLESS OTHERWISE NOTED.
7. THE CONTRACTOR TO ENSURE FILL MATERIAL USED WITHIN PROPOSED MEDIAN LIMITS BE SUITABLE FOR HEALTHY PLANT GROWTH. FILL SHALL NOT CONTAIN CLAY MATERIAL OR OTHER UNSUITABLE MATERIAL THAT WOULD PROHIBIT HEALTHY PLANT GROWTH.
8. THE CONTRACTOR SHALL COORDINATE WITH THE LANDSCAPE PLANS FOR BENCHES, RECEPTACLES, LIGHTING AND OTHER HARDSCAPE FEATURES.

**STRUCTURE TABULATION—"B":**

- S 1B EXISTING STORM INLET (TO REMAIN)
- S 2B EXISTING STORM INLET (TO REMAIN)
- S 3B EXISTING STORM STRUCTURE (TO REMAIN)
- S 4B EXISTING CURB INLET (TO REMAIN)
- S 5B EXISTING CURB INLET (TO REMAIN)

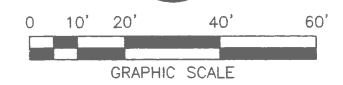
**STRUCTURE TABULATION—"C":**

- S 1C CONSTRUCT CURB INLET (USF 5130 GUTTER INLET AND 6016 GRATE) EOP AT THROAT EL. 2.49± INV. EL. MATCH STRUCTURE S-2C
- S 2C EXISTING STORM INLET REMOVE EXISTING INLET AND CONSTRUCT JUNCTION BOX OVER EXISTING PIPES TOP RING & COVER EL. 2.40±
- S 3C EXISTING STORM STRUCTURE (TO REMAIN) RAISE MANHOLE TO BACK OF CURB ELEVATION EXISTING TOP RING & COVER EL. 2.70± EXISTING INV. EL. 0.40 SOUTH INV. EL. 0.50
- S 4C EXISTING STORM INLET REMOVE EXISTING INLET AND CONSTRUCT JUNCTION BOX OVER EXISTING PIPES TOP RING & COVER EL. 2.30±
- S 5C CONSTRUCT CURB INLET (USF 5130 GUTTER INLET AND 6016 GRATE) EOP AT THROAT EL. 2.30± INV. EL. MAINTAIN EXISTING
- S 6C CONSTRUCT CURB INLET (USF 5130 GUTTER INLET AND 6016 GRATE) EOP AT THROAT EL. 2.50± NORTH INV. EL. 0.63 WEST INV. EL. 0.73
- S 7C CONSTRUCT CURB INLET (USF 5130 GUTTER INLET AND 6016 GRATE) EOP AT THROAT EL. 2.50± EAST INV. EL. 0.94



**LEGEND:**

- EXISTING STORM
- EXISTING SPOT ELEVATION
- EXISTING FEATURES
- ⊕ EXISTING GATE VALVE
- ☼ EXISTING TREE
- ☼ EXISTING TREE
- ▨ EXISTING ASPHALT PAVEMENT AND CURBING TO BE REMOVED
- SIM → PROPOSED STORM DRAIN W/ FLOW ARROW AND INLET
- (5.00) → PROPOSED DRAINAGE FLOW DIRECTION
- 5.00 PROPOSED PAVEMENT ELEVATION
- 5.0 PROPOSED GROUND ELEVATION
- S XX PROPOSED STRUCTURE IDENTIFICATION



FOR CITY ENGINEER'S USE ONLY

**BASKERVILLE-DONOVAN, INC.**  
 INNOVATIVE INFRASTRUCTURE SOLUTIONS  
 1900 MAIN STREET, SUITE 301  
 SARASOTA, FLORIDA 34236 - (941) 316-6411  
 ENGINEERING BUSINESS: EB-0000540

**CITY OF SARASOTA**  
 PUBLIC WORKS DEPARTMENT

NO.	DATE	APPR.	REVISION/ACTION TAKEN

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**NOT CONSTRUCTION FOR CONSTRUCTION**

PROJECT NO: 60518.01  
 DESIGNED BY: JGS  
 DRAWN BY: EG  
 CHK'D BY: JGS  
 PROJ. MGR: JGS  
 DATE: 06/2007

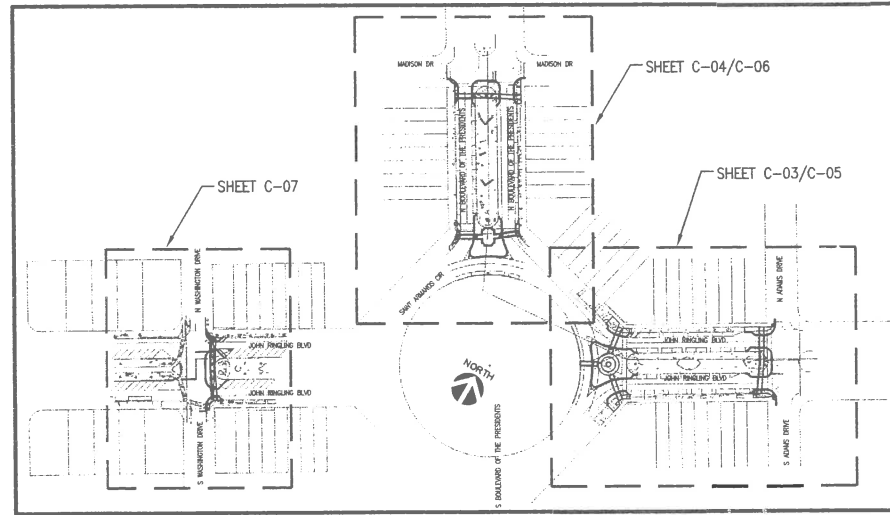
**ST. ARMANDS CIRCLE PEDESTRIAN ENHANCEMENTS PAVING, GRADING AND DRAINAGE PLAN**

**C-06**

M:\605 - City of Sarasota\60518.01 St. Armands\Acad\PlanSet\C-05 & C-06 PGD Plan.dwg, Oct 01, 2007 - 8:13:38AM, agreatic

JAMES G. SCHOTSCHE  
 P.E. NO. 49571

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SITE PLAN KEY

**CONSTRUCTION NOTES:**

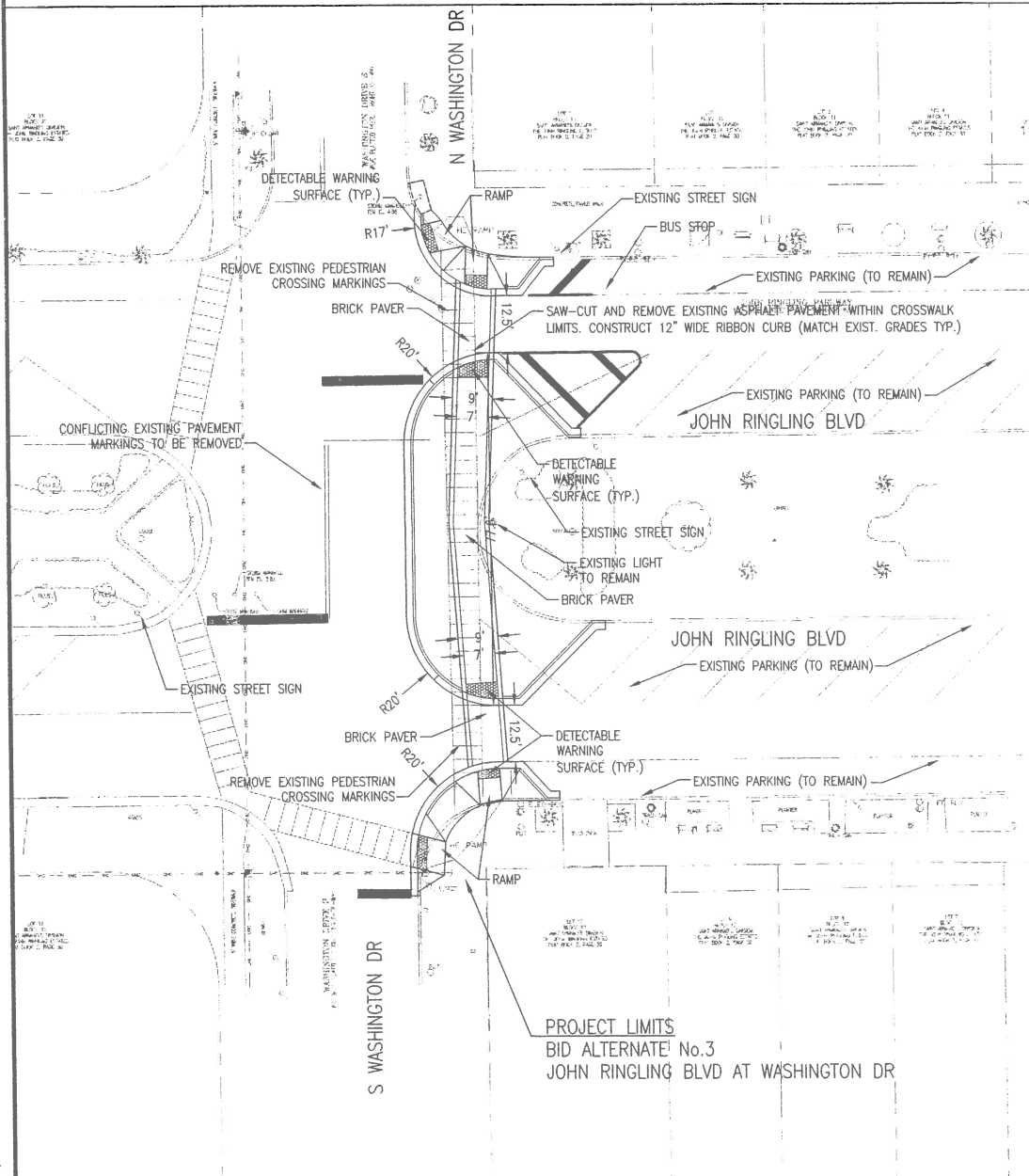
1. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, STORM DRAINS, UTILITIES, AND OTHER FACILITIES TO REMAIN AND SHALL REPAIR ANY DAMAGES DUE TO HIS CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE OWNER.
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8. THE CONTRACTOR SHALL COORDINATE WITH THE LANDSCAPE PLANS FOR BENCHES, RECEPTACLES, LIGHTING AND OTHER HARDSCAPE FEATURES.

**STRUCTURE TABULATION - "D":**

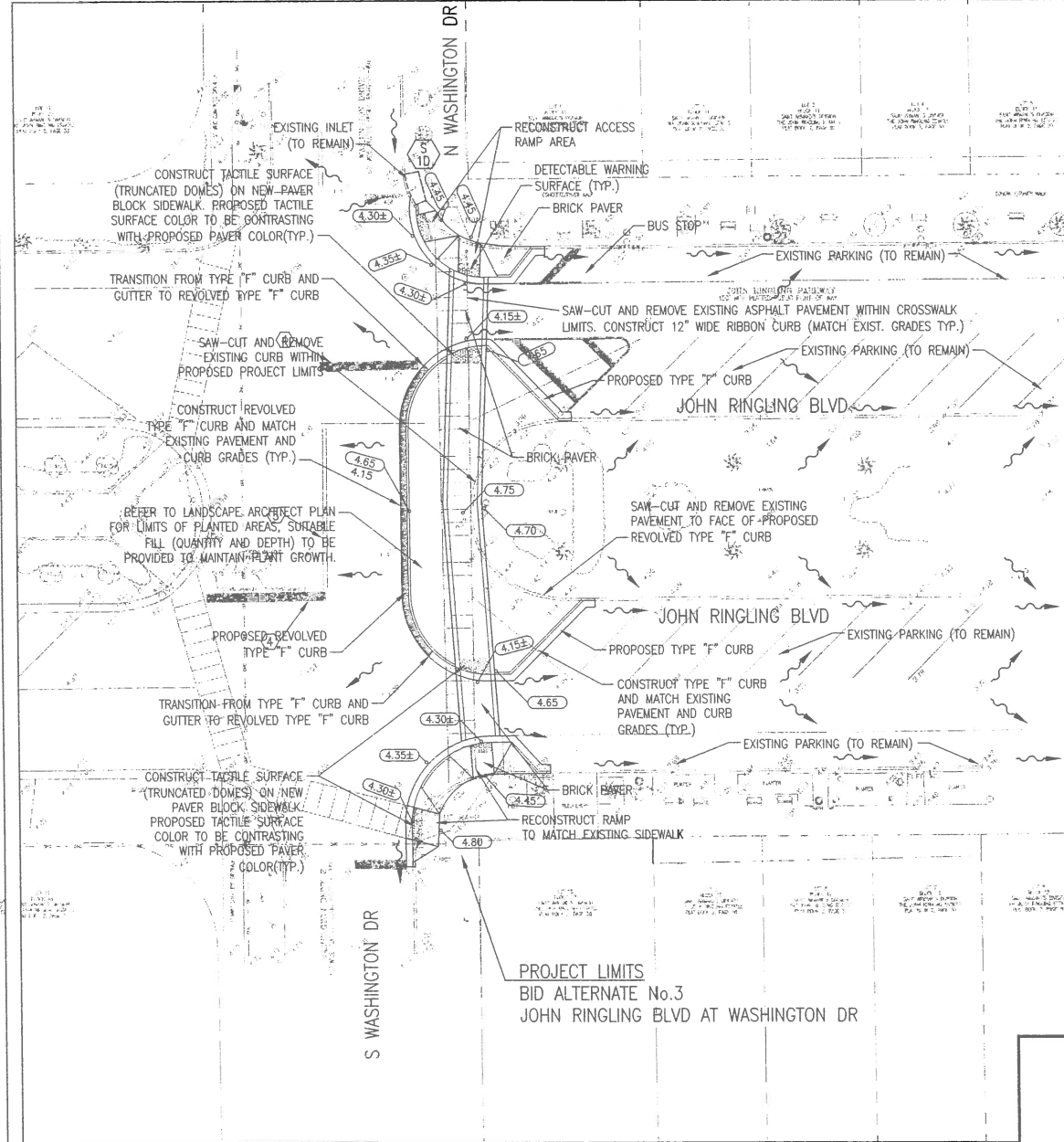
(S 10) EXISTING STORM INLET TO REMAIN

**LEGEND:**

- EXISTING STORM
- EXISTING SPOT ELEVATION
- - - - EXISTING FEATURES
- ⊗ EXISTING GATE VALVE
- ⊗ EXISTING TREE
- ⊗ EXISTING TREE
- ▨ EXISTING ASPHALT PAVEMENT AND CURBING TO BE REMOVED
- STM EXISTING ASPHALT PAVEMENT AND CURBING TO BE REMOVED
- PROPOSED STORM DRAIN W/ FLOW ARROW AND INLET
- PROPOSED DRAINAGE FLOW DIRECTION
- 5.00 PROPOSED PAVEMENT ELEVATION
- 5.0 PROPOSED GROUND ELEVATION
- S XX PROPOSED STRUCTURE IDENTIFICATION



SITE PLAN



PAVING, GRADING AND DRAINAGE PLAN

FOR CITY ENGINEER'S USE ONLY

JAMES G. SCHOTSCH  
P.E. NO. 49571

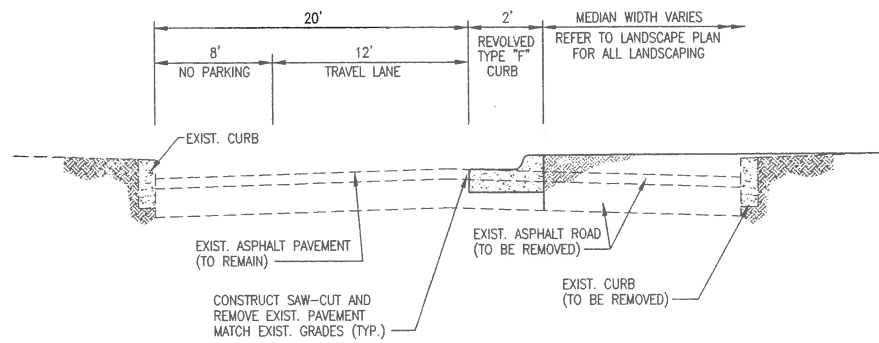
NO.	DATE	APPR.	REVISION/ACTION TAKEN

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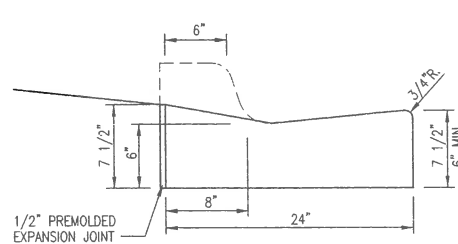
PROJECT NO: 60518.01  
DESIGNED BY: JGS  
DRAWN BY: EG  
CHK'D BY: JGS  
PROJ. MGR: JGS  
DATE: 06/2007

ST. ARMAND'S CIRCLE  
PEDESTRIAN ENHANCEMENTS  
**SITE PLAN AND PAVING,  
GRADING AND DRAINAGE PLAN  
- ALTERNATE No.3 -**

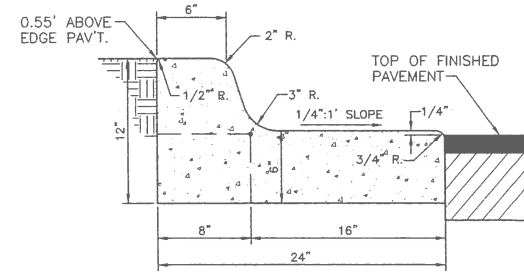




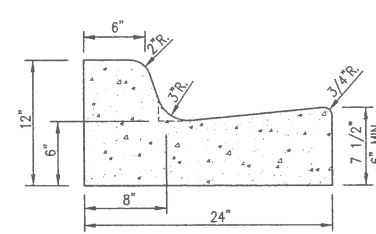
**TYPICAL SECTION A-A**  
N.T.S.



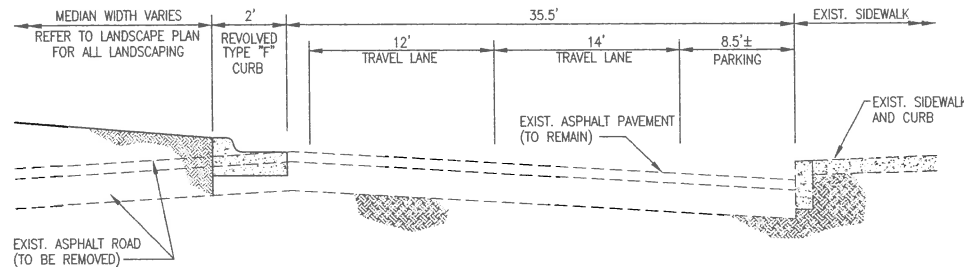
**FIG. ST-3  
MODIFIED DROP CURB**  
N.T.S.



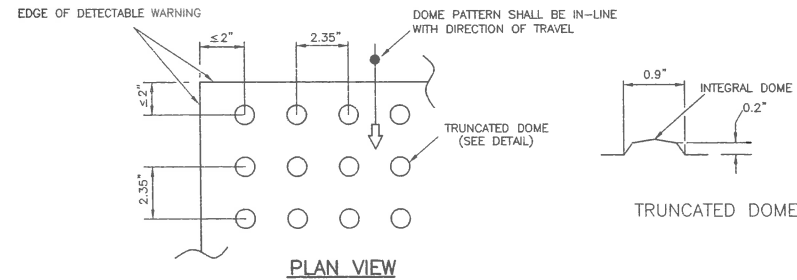
**MEDIAN CURB  
REVOLVED TYPE "F" CURB**  
N.T.S.



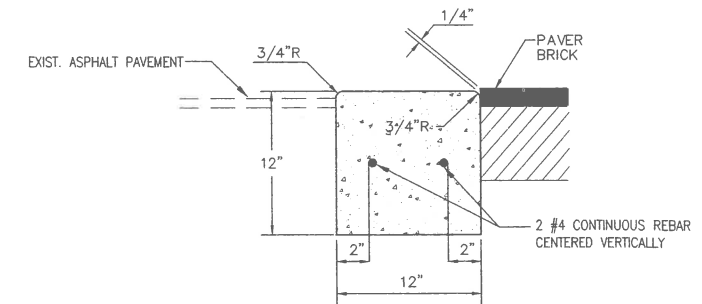
**FIG. ST-3  
TYPE "F" CURB & GUTTER**  
N.T.S.



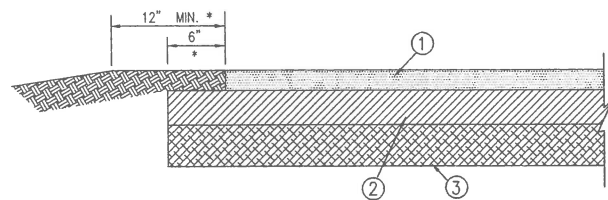
**TYPICAL SECTION B-B**  
N.T.S.



**DETECTABLE WARNING**  
N.T.S.



**RIBBON CURB**  
N.T.S.



**PAVING COURSES**

- ① ASPHALTIC CONCRETE WEARING SURFACE, 1-1/2" THICK, TYPE S-1 IN ACCORDANCE WITH F.D.O.T. SECTION 331.
- ② BASE, MIN. 7" THICK LIMESTONE COMPACTED TO 98% DENSITY AS DETERMINED BY AASHTO T-180, IN ACCORDANCE WITH F.D.O.T. SECTION 200.  
OR  
BASE, MIN. 7" THICK CRUSHED CONCRETE (GRADED AGGREGATE), COMPACTED TO 98% DENSITY AS DETERMINED BY AASHTO T-180, IN ACCORDANCE WITH F.D.O.T. SECTION 204.
- ③ STABILIZED SUBGRADE, 8" THICK, TYPE 'B' STABILIZATION (MIN. LBR 40) 98% T-180, IN ACCORDANCE WITH F.D.O.T. SECTION 160.

**\*NOTE:**

BASE EXTENSION AND MINIMUM SHOULDER WIDTH TO BE OMITTED IN PRESENCE OF CURBING.

NO.	DATE	APPR.	REVISION/ACTION TAKEN

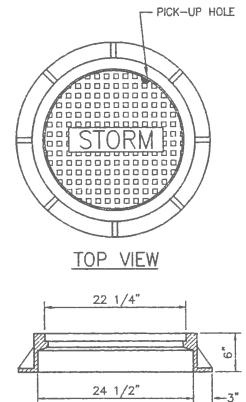
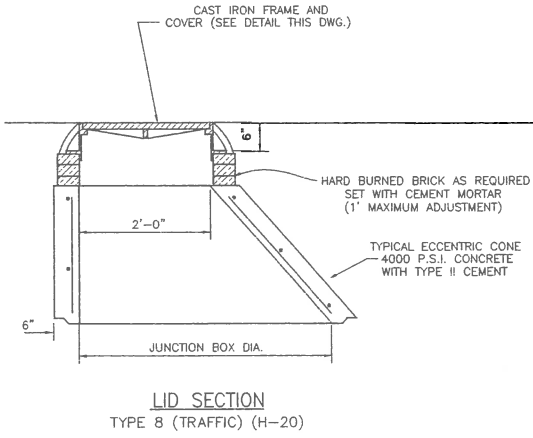
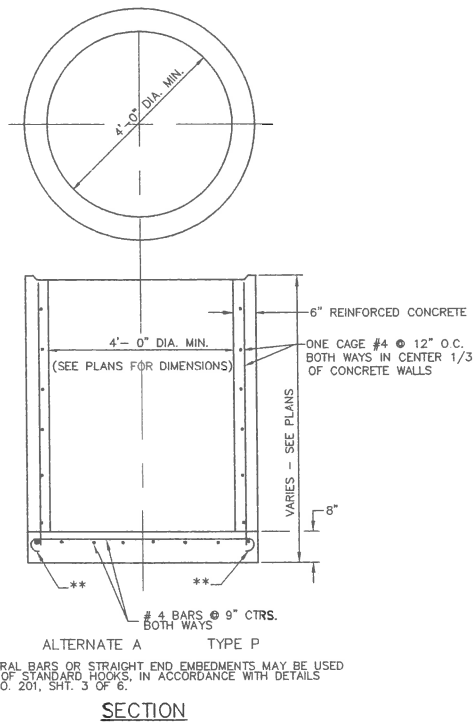
PROJECT NO: <b>60518.01</b>	DESIGNED BY: JGS	DRAWN BY: EG	PROJ. MGR: JGS	DATE: 06/2007
<small>This drawing is the property of BASKERVILLE-DONOVAN, INC. and is not to be used on any other project and is to be returned upon request.</small>				NOT RELEASED FOR CONSTRUCTION BY: _____ DATE: _____

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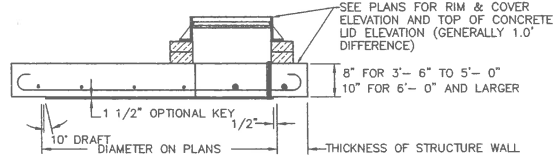
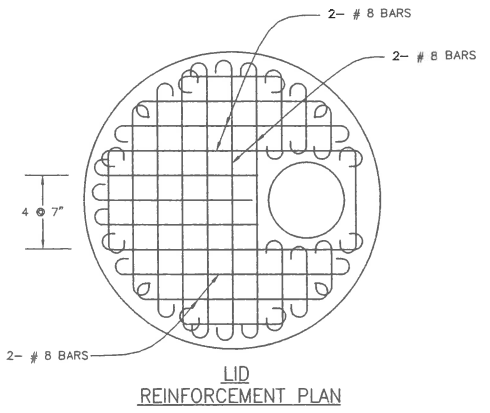
JAMES G. SCHOTSCH  
P.E. NO. 49571

**ST. ARMAND'S CIRCLE  
PEDESTRIAN ENHANCEMENTS  
PAVING, GRADING AND  
DRAINAGE DETAILS**

- NOTE:
- (1) ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF AT LEAST 4000 P.S.I. @ 28 DAYS.
  - (2) REINFORCING SHOWN IS THE MINIMUM REQUIRED. IF DIMENSIONS OF BOX REQUIRES ADDITIONAL REINFORCING, IN ORDER TO CARRY DESIGN LOADS, MANUFACTURER SHALL PROVIDE ADDITIONAL REINFORCING AS REQUIRED.

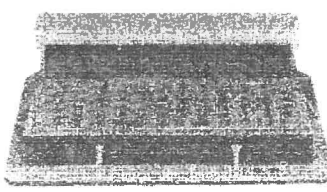
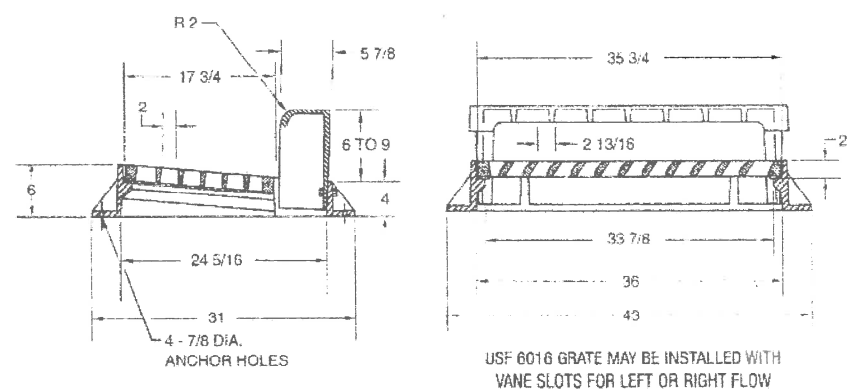


**STANDARD JUNCTION BOX**



ALL REINFORCEMENT NO. 6 BARS EXCEPT 6- # 8 BARS SHOWN. BARS SPACED @ 6" CENTERS BOTH WAYS EXCEPT MIDDLE BARS @ 7" CENTERS. ALL BARS WITH A.C.I. STANDARD HOOKS CANTED APPROX. 45°, OR EMBEDDED IN ACCORDANCE WITH THE SLAB REINFORCEMENT DETAIL SHOWN UNDER OPTIONAL CONSTRUCTION JOINTS, SHT. 3 OF 6. EXCEPT ALL # 8 BARS AND # 6 BARS AROUND MANHOLE OPENING SHALL BE HOOKED.

**USF 5130 CURB & GUTTER INLET FRAME, HOOD AND GRATE SERIES**



USF 5130-6016  
FLORIDA D.O.T.  
CURB INLET TYPE 9  
STANDARD

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**BASKERVILLE-DONOVAN, INC.**  
INNOVATIVE INFRASTRUCTURE SOLUTIONS  
1000 MAIN STREET, SUITE 301  
SARASOTA, FLORIDA 34236 - (941) 316-0411  
ENGINEERING BUSINESS: EB-0000340

**CITY OF SARASOTA**  
PUBLIC WORKS DEPARTMENT

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BY DATE

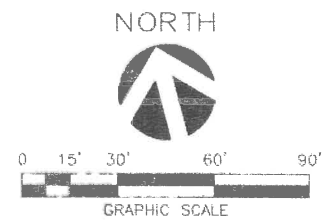
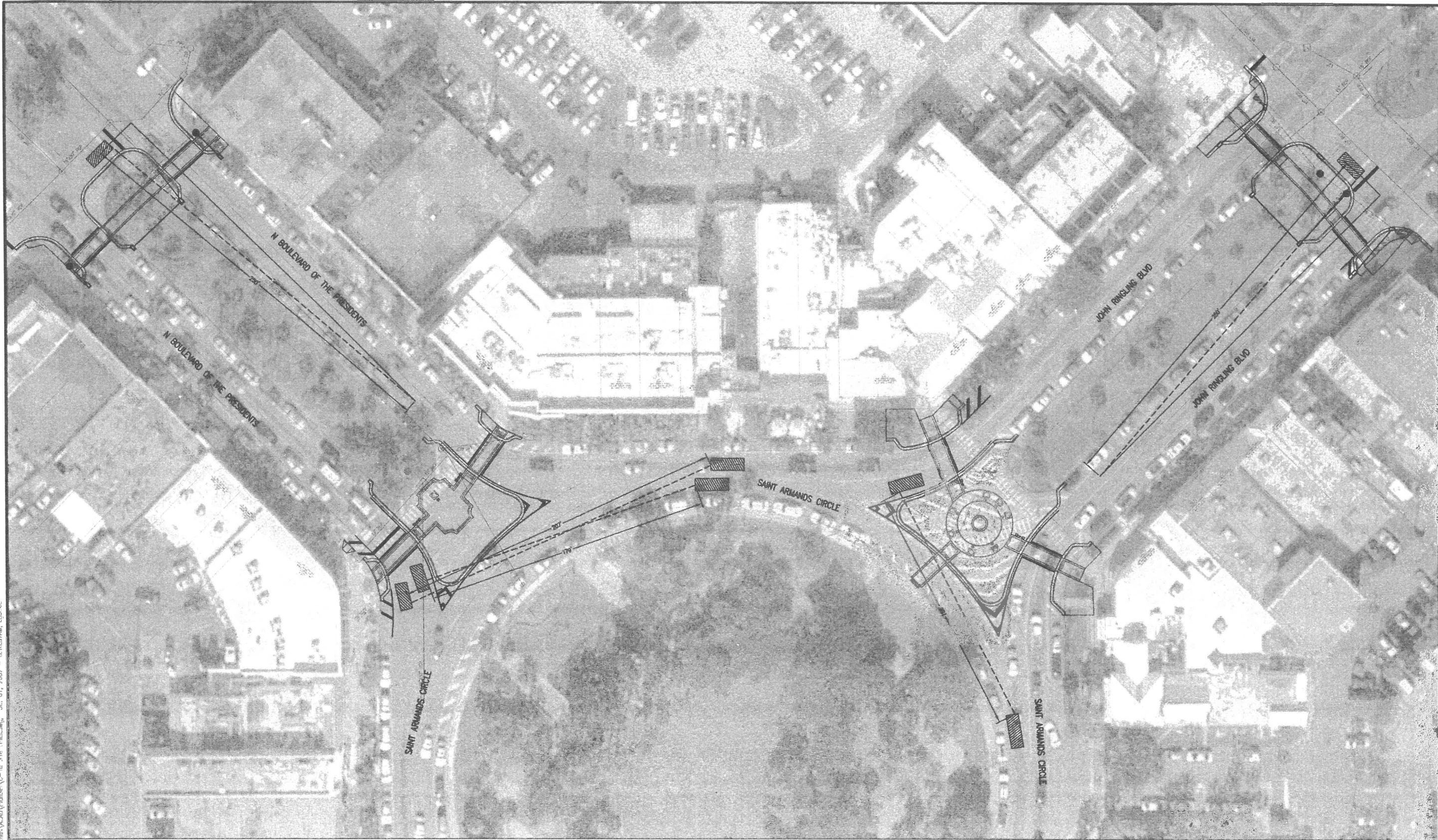
PROJECT NO: 60518.01  
DESIGNED BY: JGS  
DRAWN BY: EG  
CHK'D BY: JGS  
PROJ. MGR: JGS  
DATE: 06/2007

ST. ARMAND'S CIRCLE  
PEDESTRIAN ENHANCEMENTS  
PAVING, GRADING AND  
DRAINAGE DETAILS

C-09

JAMES G. SCHOTSCH  
P.E. NO. 49571

C:\City of Sarasota\60518.01 St Armands\CAD\Drawings\C-10 Site Line.dwg, Oct 01, 2007 - 8:18:37AM, eprinc



JAMES G. SCHOTTSCH  
P.E. NO. 45571

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ST. ARMAND'S CIRCLE  
PEDESTRIAN ENHANCEMENTS  
SITE LINES

C-10

PROJECT NO: 60518.01  
DESIGNED BY: JCS  
DRAWN BY: EG  
CHK'D BY: JCS  
PLOT. MGR: JCS  
DATE: 06/2007

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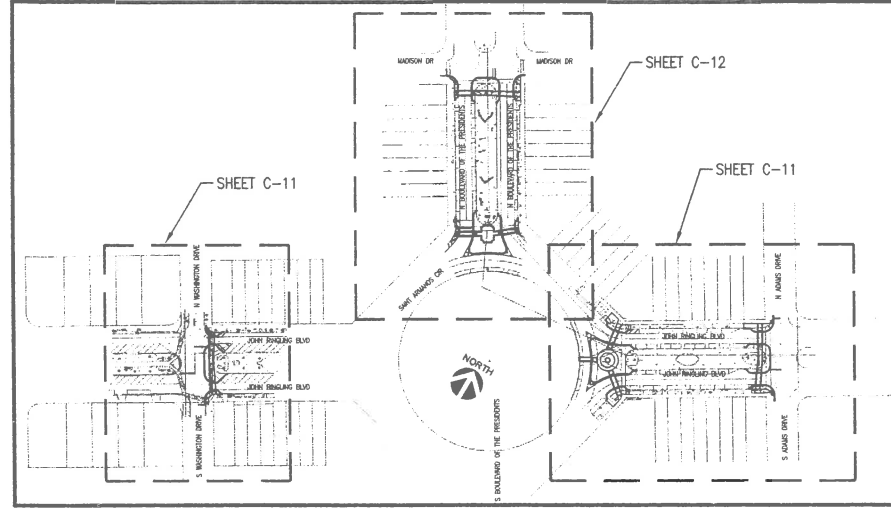
NO.	DATE	APPR.	REVISION/ACTION TAKEN



CITY OF SARASOTA  
PUBLIC WORKS DEPARTMENT

**BASKERVILLE-DONOVAN, INC.**  
INNOVATIVE INFRASTRUCTURE SOLUTIONS  
SARASOTA, FLORIDA 34238 - (941) 316-0411  
ENGINEERING BUSINESS: EI-0000540

M:\605 - City of Sarasota\60518.01 St. Armands\ACAD\PlanSet\C-11 & C-12 Signs.dwg, Oct 01, 2007 - 8:20:26AM, egckck



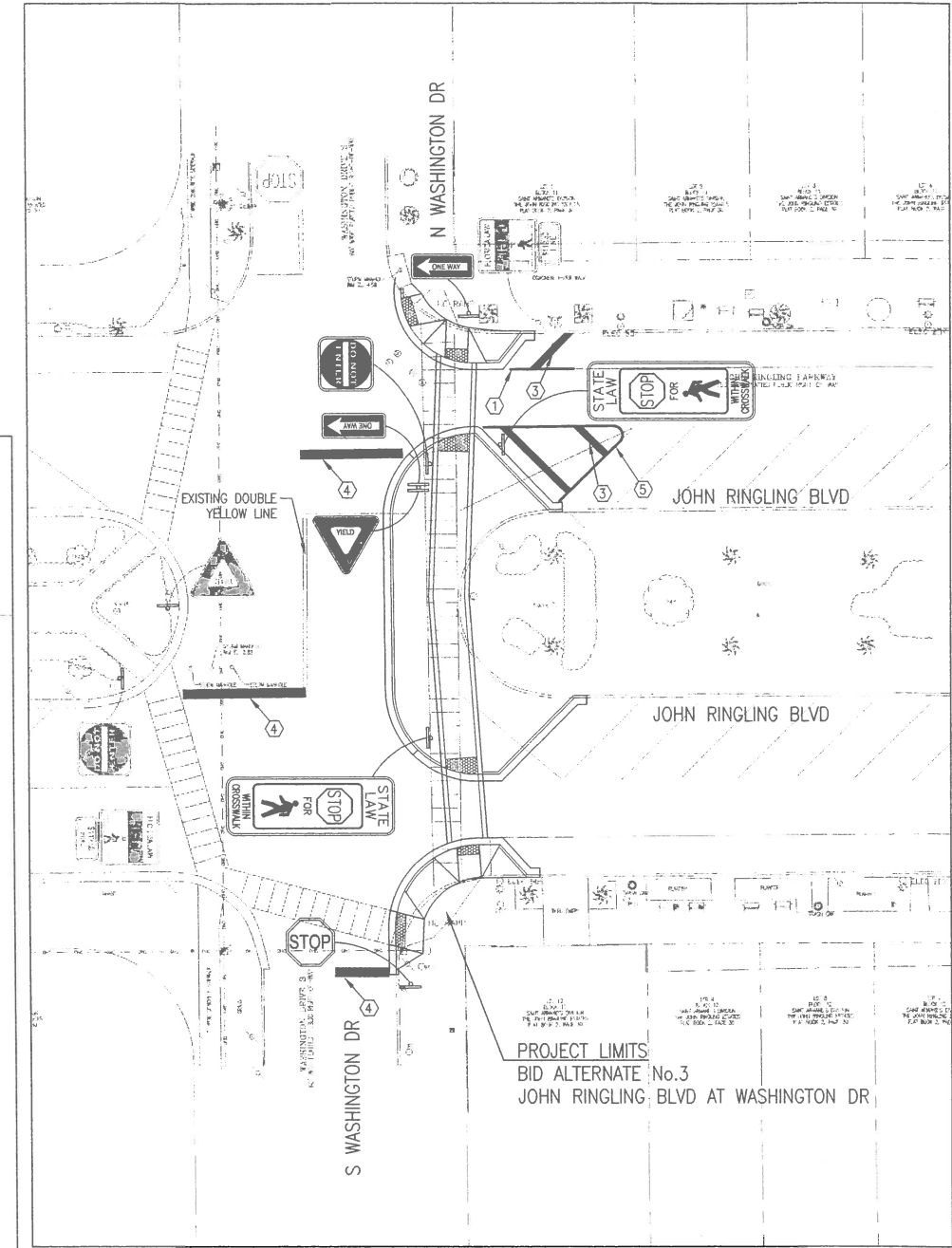
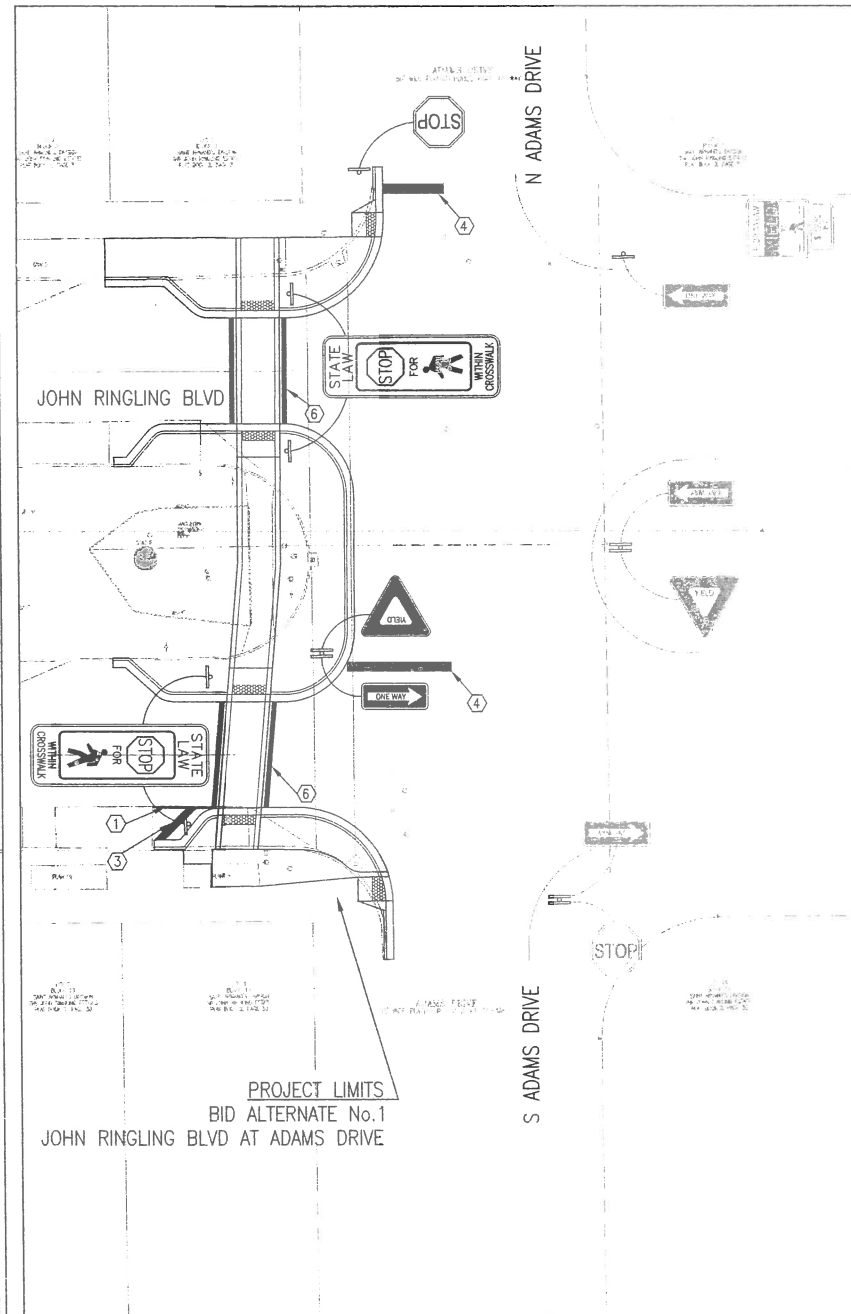
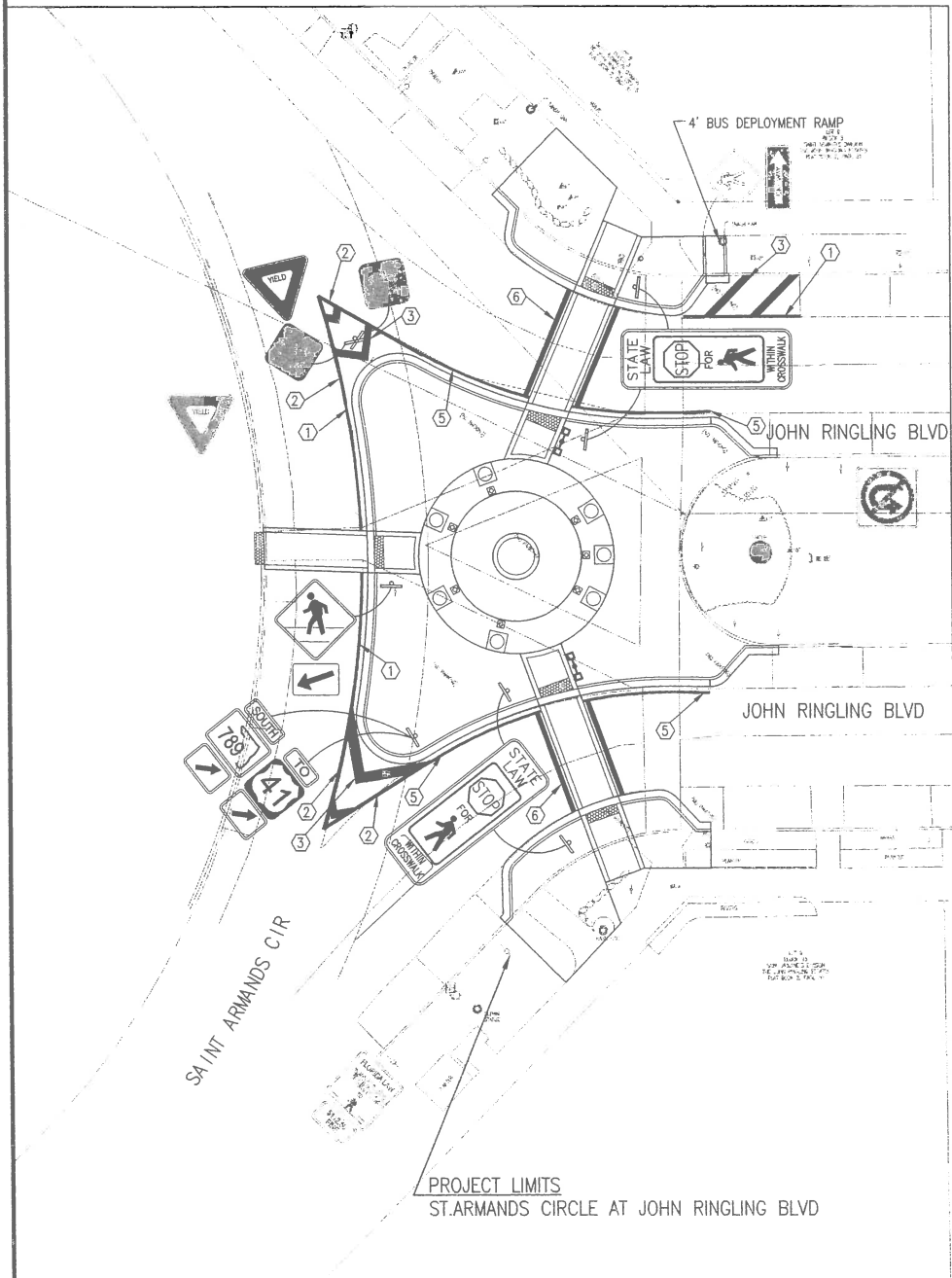
SITE PLAN KEY

**PAVEMENT MARKING AND SIGN LEGEND**

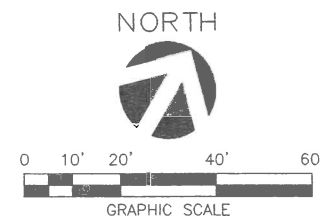
- ① ——— WHITE - 6" WIDE SOLID EDGE LINE
- ② ——— WHITE - 8" WIDE SOLID EDGE LINE
- ③ ——— WHITE - 18" WIDE SOLID STRIPE
- ④ ——— WHITE - 24" WIDE SOLID STOP BAR
- ⑤ ——— YELLOW - 6" WIDE SOLID EDGE LINE
- ⑥ ——— WHITE - 12" WIDE SOLID STRIPE

**PAVEMENT MARKING AND SIGNAGE NOTES**

1. ALL STRIPING SHALL BE ALKYD THERMOPLASTIC AND SHALL CONFORM WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE F.D.O.T. STANDARD INDEX DRAWINGS FOR SUCH.
2. ALL EXISTING PAVEMENT MARKINGS SHALL REMAIN UNLESS OTHERWISE NOTED.
3. ALL RELOCATED/PROPOSED SIGNS SHALL BE DESIGNED FOR 80 MPH WIND LOADING.
4. ALL SIGN FACE MATERIAL SHALL MEET F.D.O.T. SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2000) AND SUPPLEMENTS THERETO.
5. ALL SIGNAGE SHALL INCLUDE THE PROPER ERECTION AND HARDWARE (POSTS, BRACKETS, ETC.) IN CONFORMANCE WITH THE F.D.O.T. STANDARDS INDEX DRAWINGS. PROPOSED SIGN BASES SHALL BE CONSISTENT WITH EXISTING FACILITIES.
6. CONTRACTOR TO COORDINATE WITH ENGINEER, FDOT INSPECTOR AND CITY PROJECT MANAGER FOR RELOCATION OF ALL EXISTING SIGNS.



**NOTE:**  
THE SIGNS DEPICTED ON THIS PLAN ARE RELEVANT TO PEDESTRIAN AND VEHICLE SAFETY CONCERNS. ADDITIONAL SIGNS OF AN INFORMATIONAL NATURE, THAT ARE EXISTING AND NEED TO BE RELOCATED, ARE TO BE PLACED BY FIELD DETERMINATION WITH THE AGREEMENT OF THE CITY REPRESENTATIVE, THE CONTRACTOR AND THE ENGINEER.



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JAMES G. SCHOTSCHE  
P.E. NO. 49571



NO.	DATE	APPR.	REVISION/ACTION TAKEN

PROJECT NO: **60518.01**  
 DESIGNED BY: JGS  
 DRAWN BY: EG  
 CHK'D BY: JGS  
 PROJ. MGR: JGS  
 DATE: 06/2007

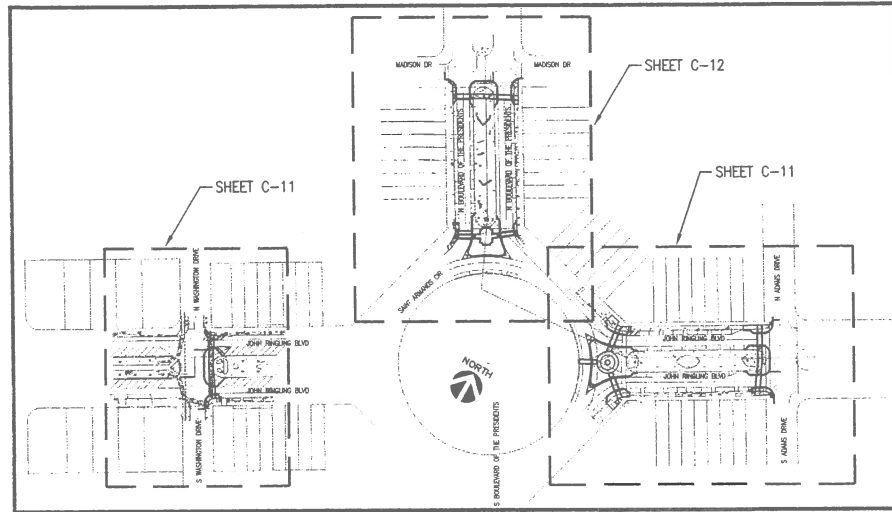
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**NOT RELEASED FOR CONSTRUCTION**

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

ST. ARMAND'S CIRCLE  
PEDESTRIAN ENHANCEMENTS  
**SIGNAGE AND PAVEMENT MARKING PLAN**

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SITE PLAN KEY

**PAVEMENT MARKING AND SIGN LEGEND**

- ① WHITE - 6" WIDE SOLID EDGE LINE
- ② WHITE - 8" WIDE SOLID EDGE LINE
- ③ WHITE - 18" WIDE SOLID STRIPE
- ④ WHITE - 24" WIDE SOLID STOP BAR
- ⑤ YELLOW - 6" WIDE SOLID EDGE LINE
- ⑥ WHITE - 12" WIDE SOLID STRIPE

**PAVEMENT MARKING AND SIGNAGE NOTES**

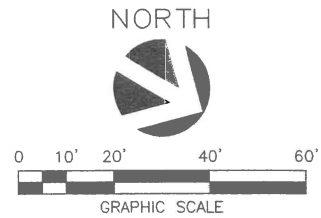
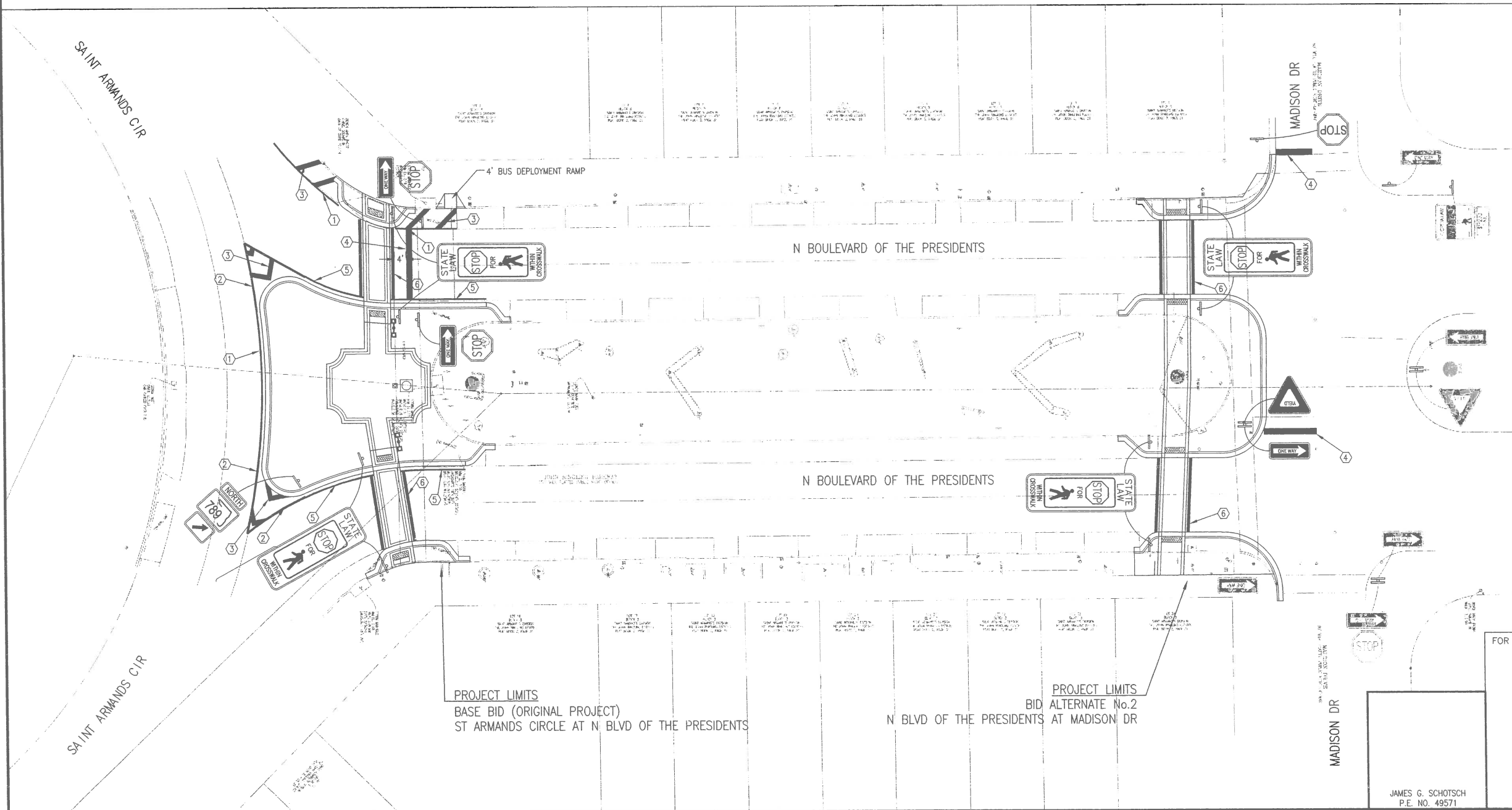
1. ALL STRIPING SHALL BE ALKYD THERMOPLASTIC AND SHALL CONFORM WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE F.D.O.T. STANDARD INDEX DRAWINGS FOR SUCH.
2. ALL EXISTING PAVEMENT MARKINGS SHALL REMAIN UNLESS OTHERWISE NOTED.
3. ALL RELOCATED/PROPOSED SIGNS SHALL BE DESIGNED FOR 80 MPH WIND LOADING.
4. ALL SIGN FACE MATERIAL SHALL MEET F.D.O.T. SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2000) AND SUPPLEMENTS THERETO.
5. ALL SIGNAGE SHALL INCLUDE THE PROPER ERECTION AND HARDWARE (POSTS, BRACKETS, ETC.) IN CONFORMANCE WITH THE F.D.O.T. STANDARDS INDEX DRAWINGS. PROPOSED SIGN BASES SHALL BE CONSISTENT WITH EXISTING FACILITIES.
6. CONTRACTOR TO COORDINATE WITH ENGINEER, FDOT INSPECTOR AND CITY PROJECT MANAGER FOR RELOCATION OF ALL EXISTING SIGNS.

**COUNT OF SIGNS TO BE INSTALLED:**

1 EXIST.	1 EXIST.	6 EXIST.
3 EXIST.	1 EXIST.	4 EXIST.
2 EXIST.	18 NEW	5 EXIST.
3 EXIST.		2 EXIST.
1 NEW		

NOTE: SUBDUED SIGNS INDICATED EXISTING SIGNS IN PLACE

NOTE: THE SIGNS DEPICTED ON THIS PLAN ARE RELEVANT TO PEDESTRIAN AND VEHICLE SAFETY CONCERNS. ADDITIONAL SIGNS OF AN INFORMATIONAL NATURE, THAT ARE EXISTING AND NEED TO BE RELOCATED, ARE TO BE PLACED BY FIELD DETERMINATION WITH THE AGREEMENT OF THE CITY REPRESENTATIVE, THE CONTRACTOR AND THE ENGINEER.



PROJECT LIMITS  
BASE BID (ORIGINAL PROJECT)  
ST ARMANDS CIRCLE AT N BLVD OF THE PRESIDENTS

PROJECT LIMITS  
BID ALTERNATE No.2  
N BLVD OF THE PRESIDENTS  
AT MADISON DR

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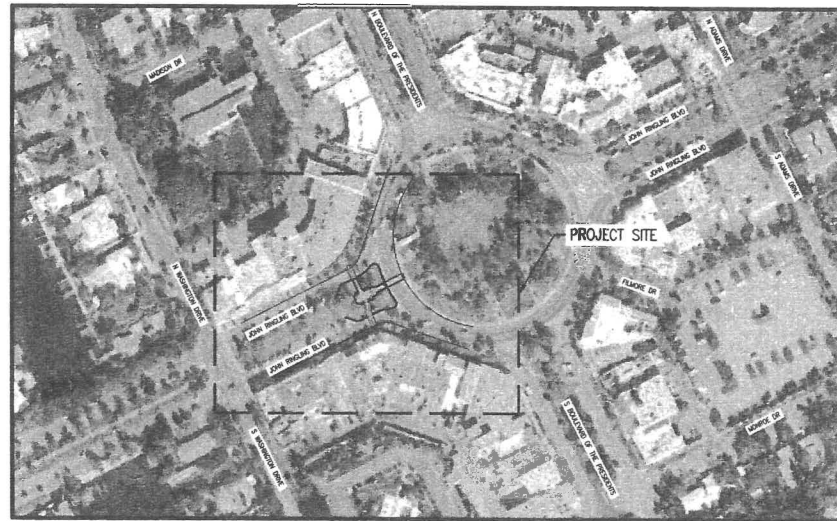
JAMES G. SCHOTSCH  
P.E. NO. 49571

NO.	DATE	APPR.	REVISION/ACTION TAKEN

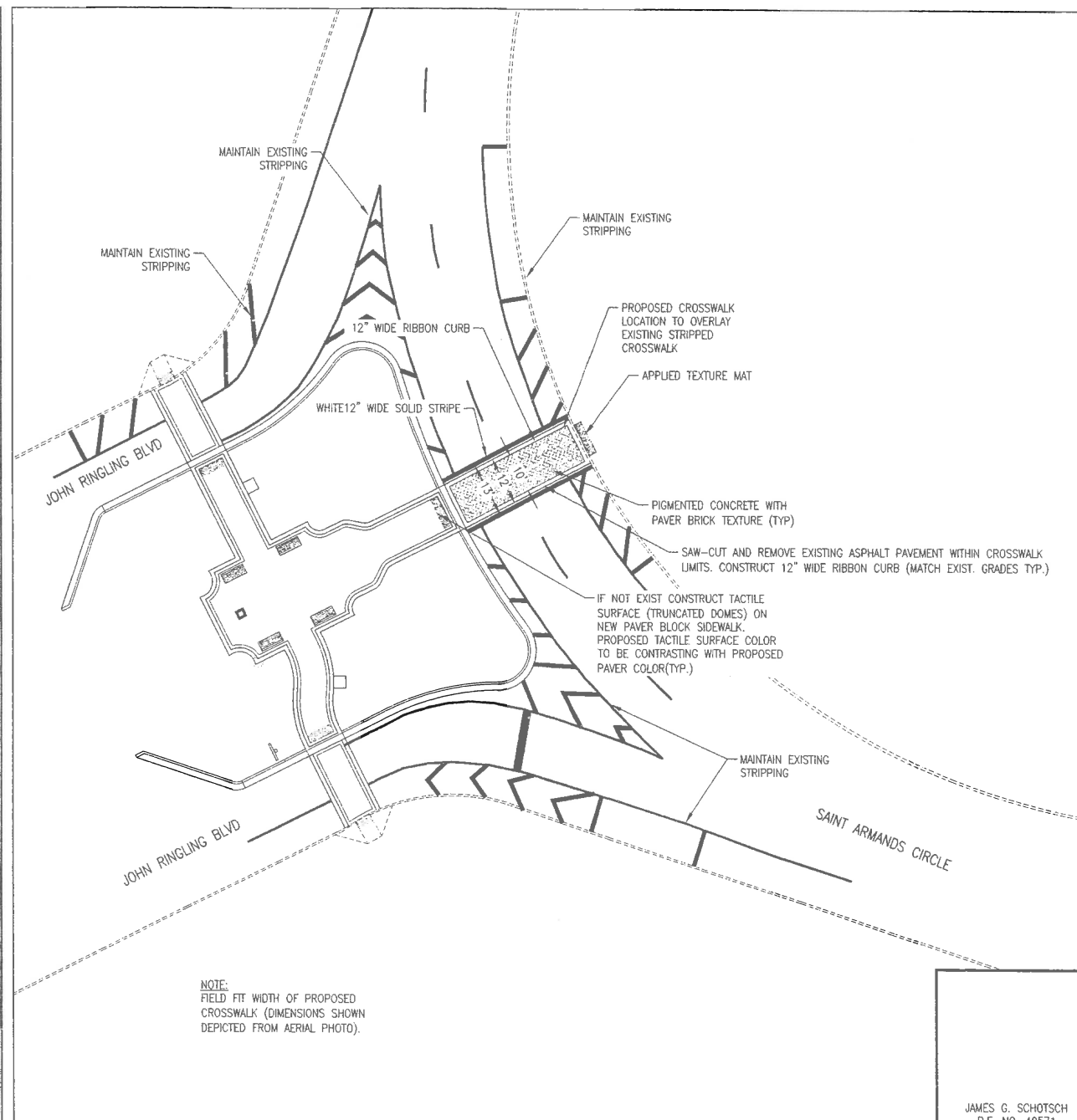
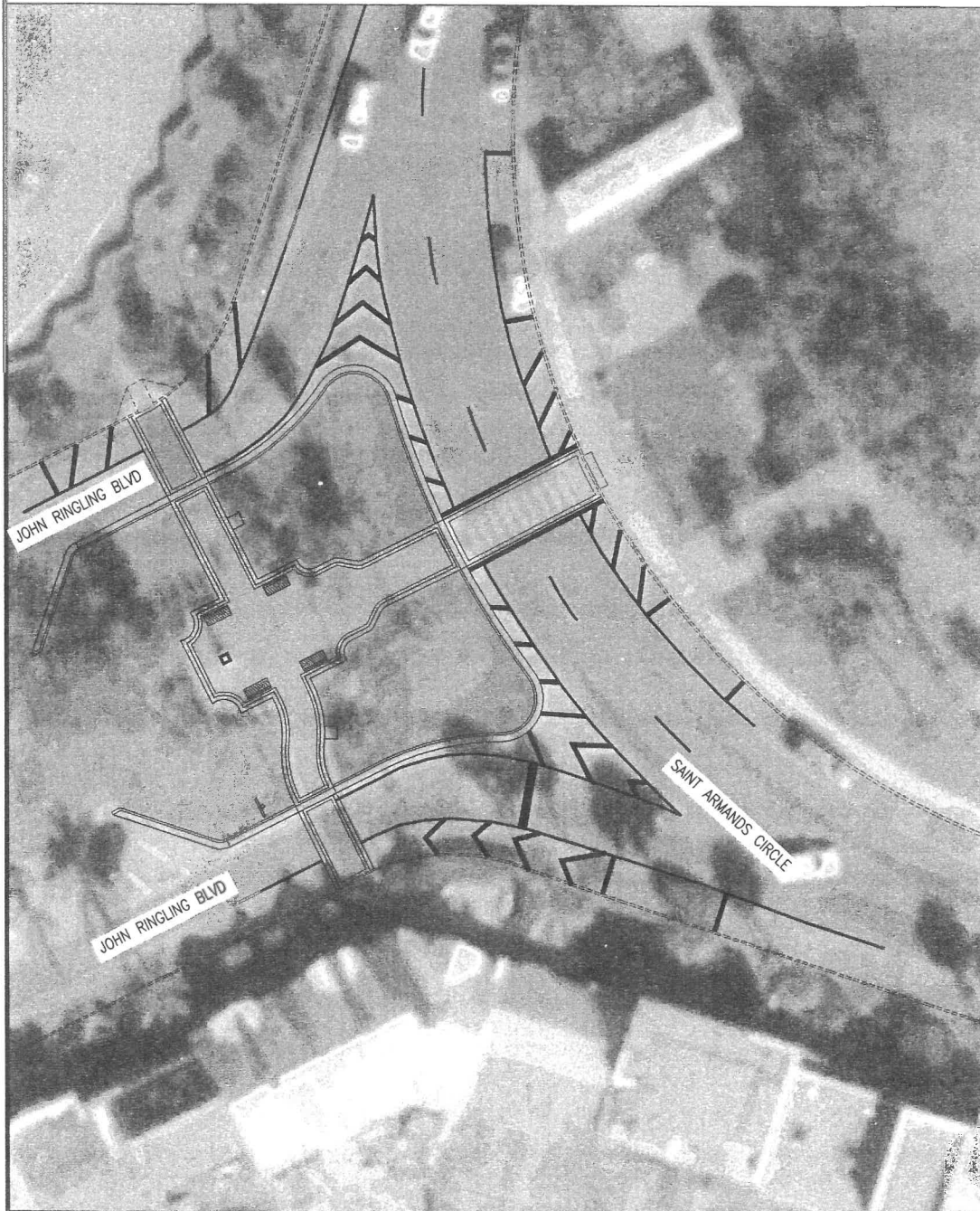
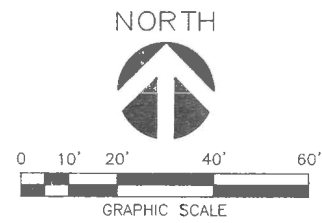
PROJECT NO: 60518.01  
DESIGNED BY: JGS  
DRAWN BY: EG  
CHK'D BY: JGS  
PROJ. MGR: JGS  
DATE: 06/2007

ST. ARMAND'S CIRCLE  
PEDESTRIAN ENHANCEMENTS  
**SIGNAGE AND PAVEMENT  
MARKING PLAN**

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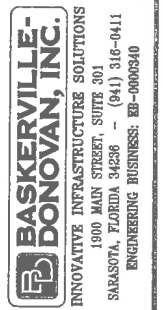


VICINITY MAP



JAMES G. SCHOTSCH  
P.E. NO. 49571

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PROJECT NO: 60518.01  
 DESIGNED BY: JGS  
 DRAWN BY: EG  
 CHKD BY: JGS  
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ST. ARMAND'S CIRCLE  
PEDESTRIAN ENHANCEMENTS  
-ADDENDUM-  
SITE PLAN

C-13