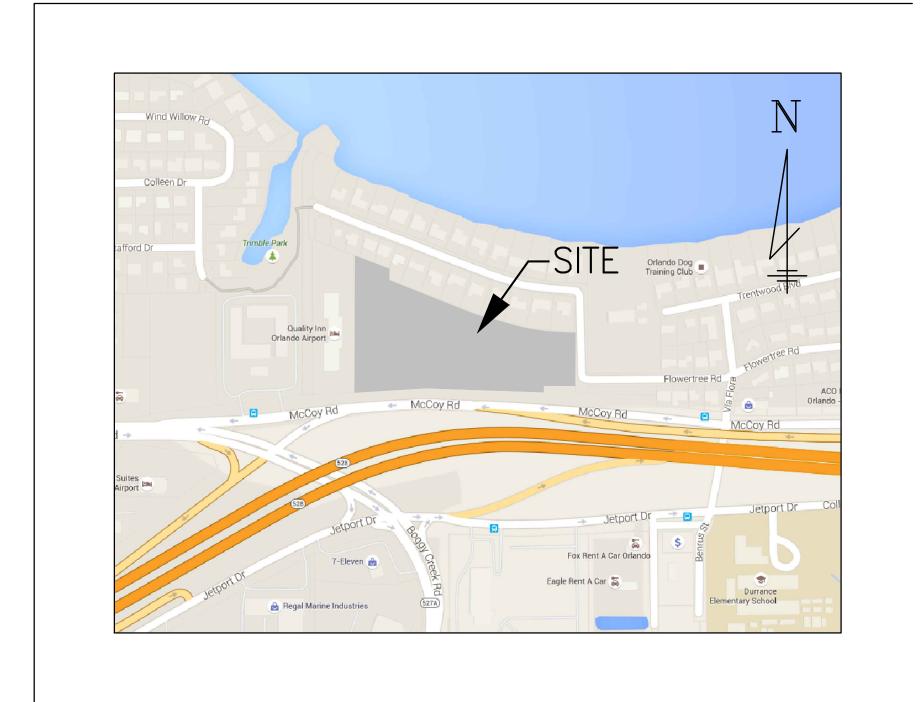
## Site Plan:

# AIRPORT PARKING McCoy Road

2635 Mccoy Road Belle Isle, Florida 32809



#### LEGAL DESC.: property appraisers records

COMM SE COR GOVERNMENT LOT 5 RUN S 89 DEG W ALONG S LINE OF SAID LOT 5 60 FT N 200 FT FOR POB RUN N 249.20 FT TO SE COR LOT 1 CONWAY SHORES TH N 85 DEG W 119.88 FT N 81 DEG W 112.42 FT TH N 76 DEG W 112.42 FT N 72 DEG W 112.F42 FT N 69 DEG W 47.18 FT N 68 DEG W 412.65 FT N 53.56 FT N 68 DEG W 389.5 FT S 733.82 FT N 88 DEG E 124.75 FT ELY 518.62 FT S 87 DEG E 448.98 FT N 27.53 FT E 150 FT TO POB (LESS W 200 FT THEREOF) IN SEC 30-23-30

#### LEGAL DESCRIPTION: by surveyor

PART OF LOTS 1 AND 2, BLOCK 5, AMENDED PLAT OF BLOCKS 5 & 6, G & H, AND A PORTION OF BLOCK 8, WILDMERE, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 3, PAGE 60, OF THE PUBLIC RECORDS OF SEMINOLE COUNTY, FLORIDA, BEING DESCRIBED AS FOLLOWS:

FROM THE NORTHWEST CORNER OF SAID LOT 1, RUN SOUTH 30.00 FEET ALONG THE WEST LINE OF SAID LOT 1, TO THE SOUTH RIGHT OF WAY LINE OF STATE ROAD 434, FOR A POINT OF BEGINNING: THENCE CONTINUE SOUTH 200.00 FEET; THENCE RUN S.66°18'00"E., 137.70 FEET; THENCE RUN NORTH 269.58 FEET TO THE SOUTH RIGHT OF WAY LINE OF STATE ROAD 434; THENCE RUN N.89°38'55"W. ALONG SAID RIGHT OF WAY LINE 101.00 FEET; THENCE RUN S.00°21'05"W. 15.00 FEET; THENCE RUN N.89°38'55"W. 25.00 FEET TO THE POINT OF BEGINNING.

### VICINITY MAP

NOT TO SCALE

PARCEL I.D.

30-23-30-0000-00-005

#### DEVELOPMENT SUMMARY

CONSTRUCT A 328 VEHICLE PARKING LOT TO PROVIDE AIRPORT PARKING AND SHUTTLE TRANSPORTATION

#### PROJECT DIRECTORY

PROPERTY OWNER:

Thirumala Propertys LLC 10644 Lago Bella Drive Orlando, Florida 32832 Ph. (321) 356-7308

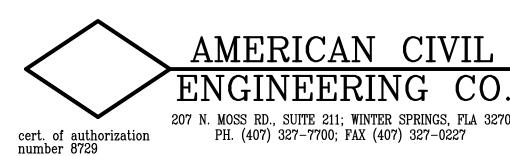
SURVEYOR:

VisionLand ServiceS, Inc. PO Box 941186 Maitland, Florida 32794 Ph. (888) 399-8474

**ENGINEER:** 

John Herbert, P.E. American Civil Engineering Co. 207 N. Moss Road, Suite 211 Winter Springs, Florida 32708 Ph. (407) 327-7700 Fax (407) 327-0227

|       | INDEX OF SHEETS                        |
|-------|--|
| SHEET | DESCRIPTION                            |
| 1     | COVER SHEET                            |
| 2     | SURVEY COVER SHEET & SURVEY WITH TREES |
| 3     | DEVELOPMENT PLAN                       |
| 4     | GEOMETRY PLAN                          |
| 5     | P/G/D PLAN                             |
| 6     | TYPICAL SECTIONS                       |
| 7     | SITE CONSTRUCTION DETAILS              |
| 8     | LANDSCAPE PLAN                         |
| 9     | GENERAL NOTES                          |
|       |  |
|       |  |
|       |  |
|       |  |
|       |  |
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Site Plan:

## Airport Parking McCoy Road

2635 Mccoy Road Belle Isle, Florida 32809

Plans issued for:

COVER SHEET site plan

☐ final review ☐ construction

rev. date: 03/08/18 ☐ record drawings

project no. 15165 sheet number

# BOUNDABY

MASSET

## LEGAL DESCRIPTION:

# **ABBREVIATION** SYMBOL LEGEND:

C/L - DENOTES CENTERLINE

P.O.B. - DENOTES POINT OF BEGINNING

P.O.C. - DENOTES POINT OF COMMENCEMENT

O.R. - DENOTES OFFICIAL RECORDS BOOK

ELEV. - DENOTES ELEVATION

P.C. - DENOTES POINT OF CURVATURE P.C.C. - DENOTES POINT OF COMPOUND CURVATURE P.T. — DENOTES POINT OF TANGENCY
W.L. — DENOTES UNDERGROUND WATER LINE INV. - DENOTES INVERT
C - DENOTES CHORD R28E – DENOTES RANGE 28 EAST PGS. – DENOTES PAGES (M) - DENOTES DISTANCE MEASURED IN THE FIELD I.D. - DENOTES IDENTIFICATION EP - DENOTES EDGE OF PAVEMENT C.B. - DENOTES CHORD BEARING T24S - DENOTES TOWNSHIP 24 SOUTH

DENOTES UNDERGROUND ELECTRICAL LINES
 DENOTES UNDERGROUND CABLE T.V. LINES

P.B. — DENOTES PLAT BOOK

(A) — DENOTES ACTUAL

(D) — DENOTES DESCRIPTION

PG. DENOTES PAGE

- DENOTES OVERHEAD UTILITY LINES

- DENOTES UNDERGROUND RECLAIM WATER LINE

DENOTES HANDICAP PARKING SPACE
DENOTES CONCRETE DENOTES SANITARY SEWER MANHOLE DENOTES FLOOD LIGHT

DENOTES FIRE HYDRANT
DENOTES LIGHT POLE DENOTES FLORIDA DEPARTMENT OF TRANSPORTATION

DENOTES GAS VALVE

DENOTES STORM DRAINAGE MANHOLE DENOTES WATER VALVE

W. C. ELLIOTT, P.S.M.
PROFESSIONAL SURVEYOR & MAPPER
FLORIDA REGISTRATION NO. 5599

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REV. DATE

OWN HEREON ARE RELATIVE TO THE OF GOVERNMENT LOT 5, SECTION 30, TOWAS BEING SB9'42'04"W AS SHOWN (PER THE DESCRIPTION). GAL DESCRIPTION" HEREON PER THE PUBLIC RECORDS OF POLK COUNTY, FLORIDA

PREPARED FOR:

Feb 19,2018 — 1:38pm C: □Jobs □546—jde—001 2635 mccoy road orlando □SURVEY □546—JDE—001 □dwg □546—JDE—001 new trees.dwg

K L E Surveying and Mapping, Inc.

239 WASHINGTON AVENUE LAKE MARY, FLORIDA 32746
PH. No. (407) 402–2331
LICENSED BUSINESS REGISTRATION No. 7899

BOUNDARY SURVEY

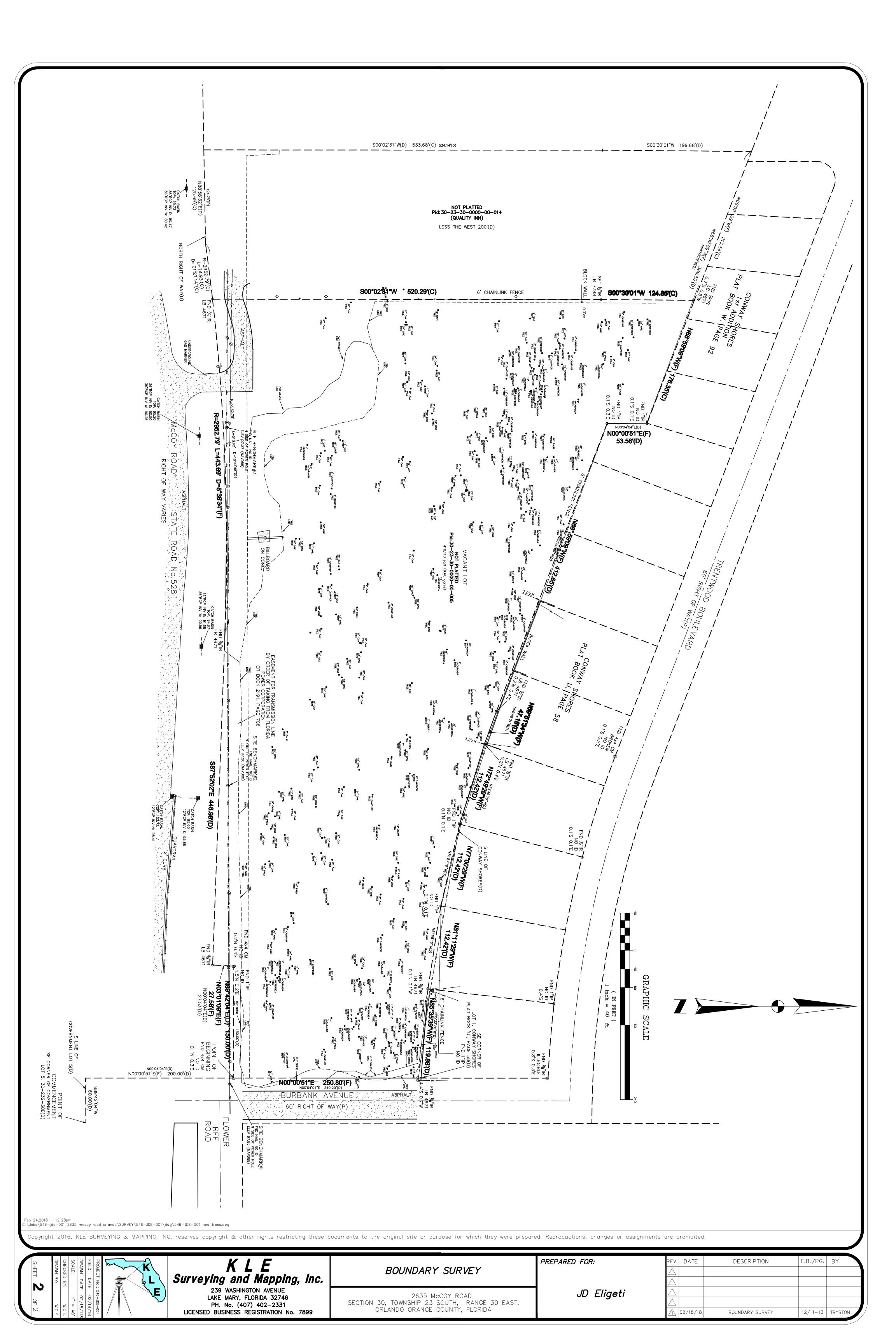
2635 McCOY ROAD SECTION 30, TOWNSHIP 23 SOUTH, RANGE 30 EAST, ORLANDO ORANGE COUNTY, FLORIDA

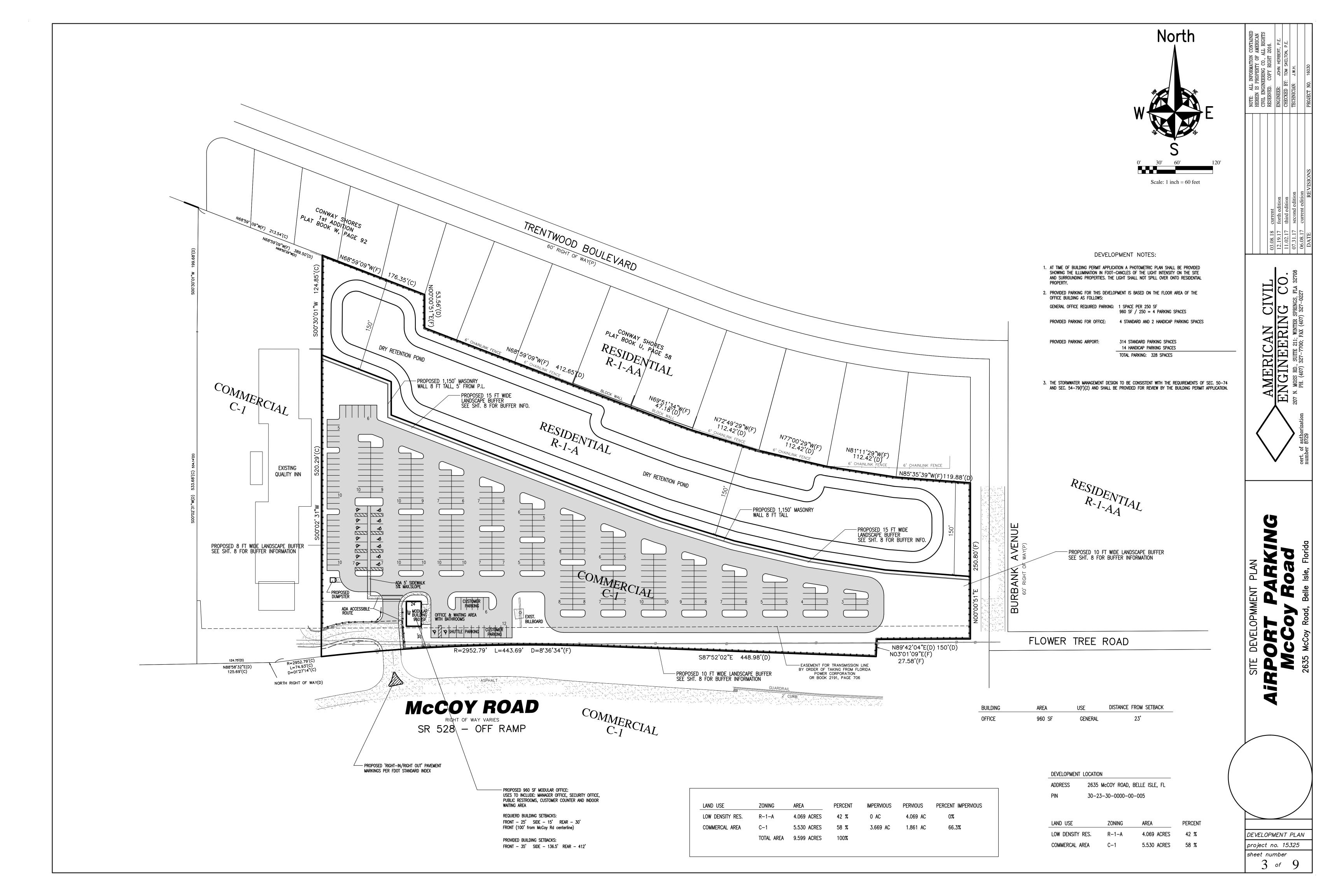
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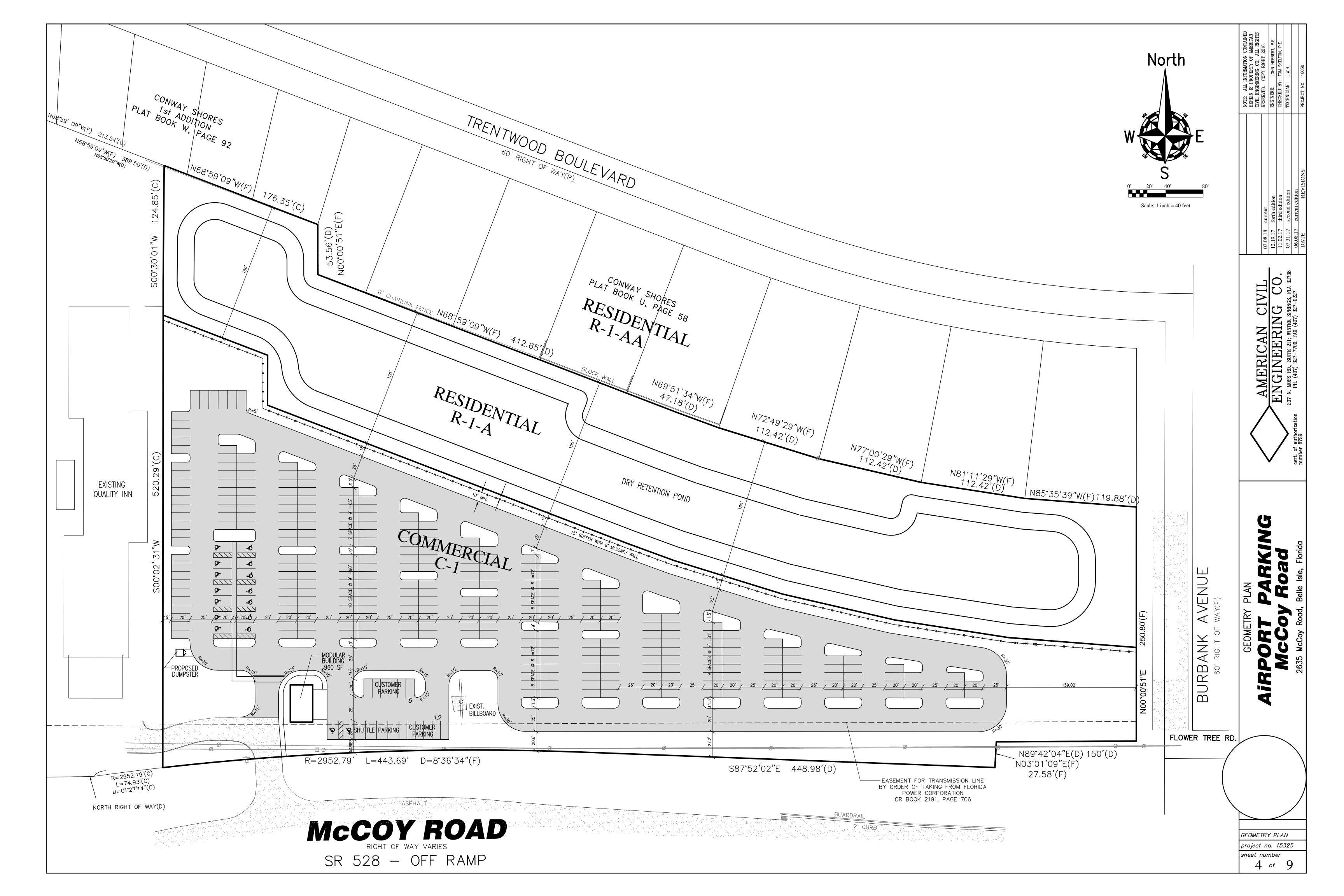
12/11-13 | TRYSTON BOUNDARY SURVEY

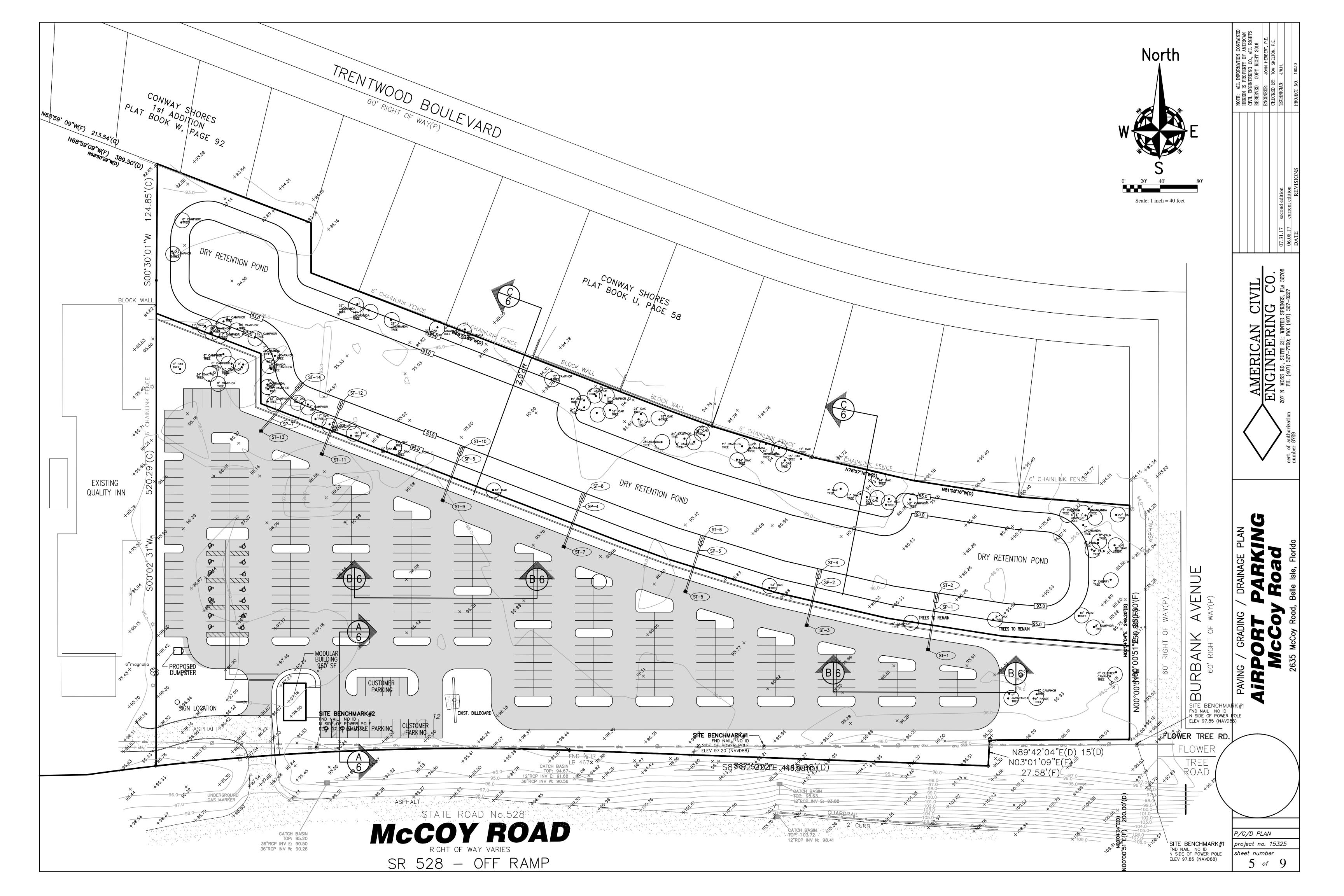
DESCRIPTION

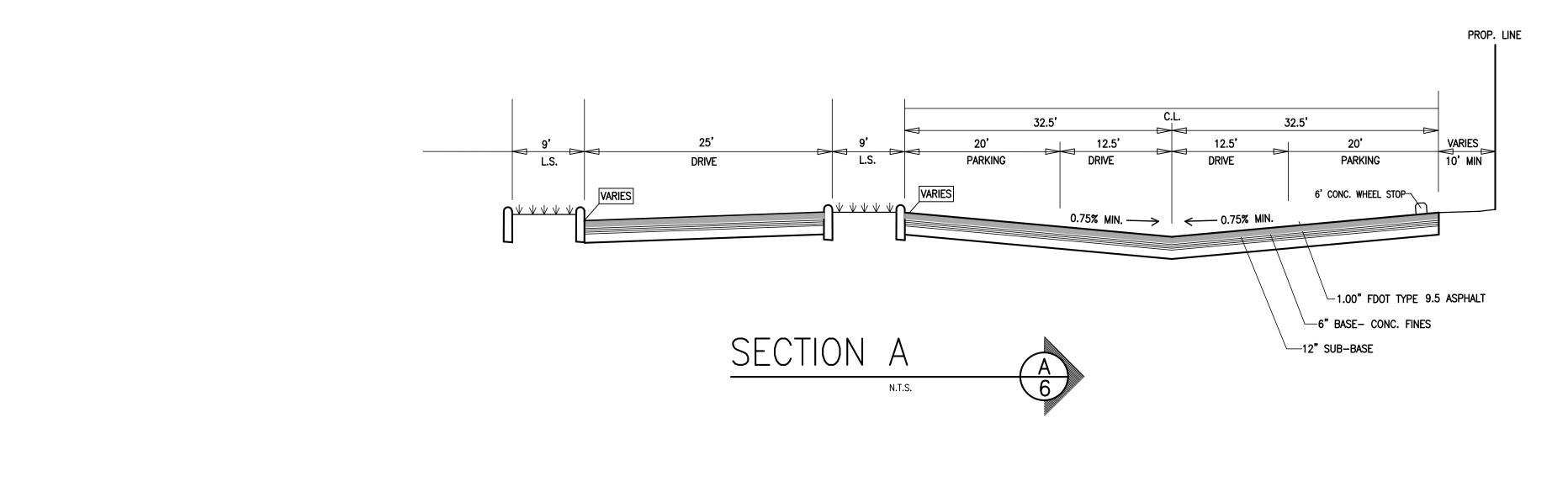
F.B./PG.

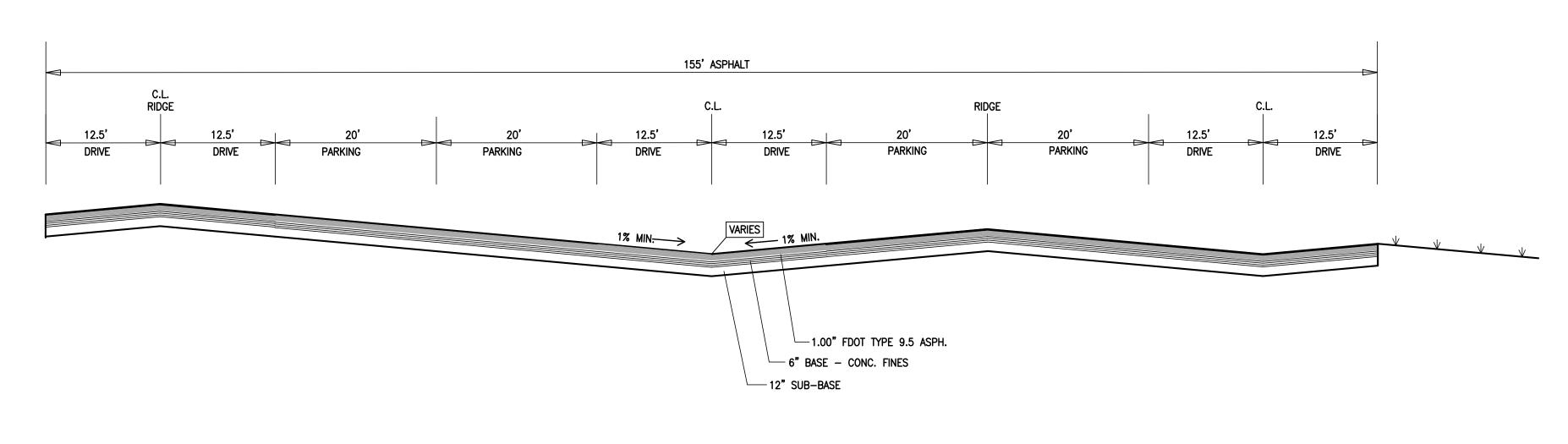




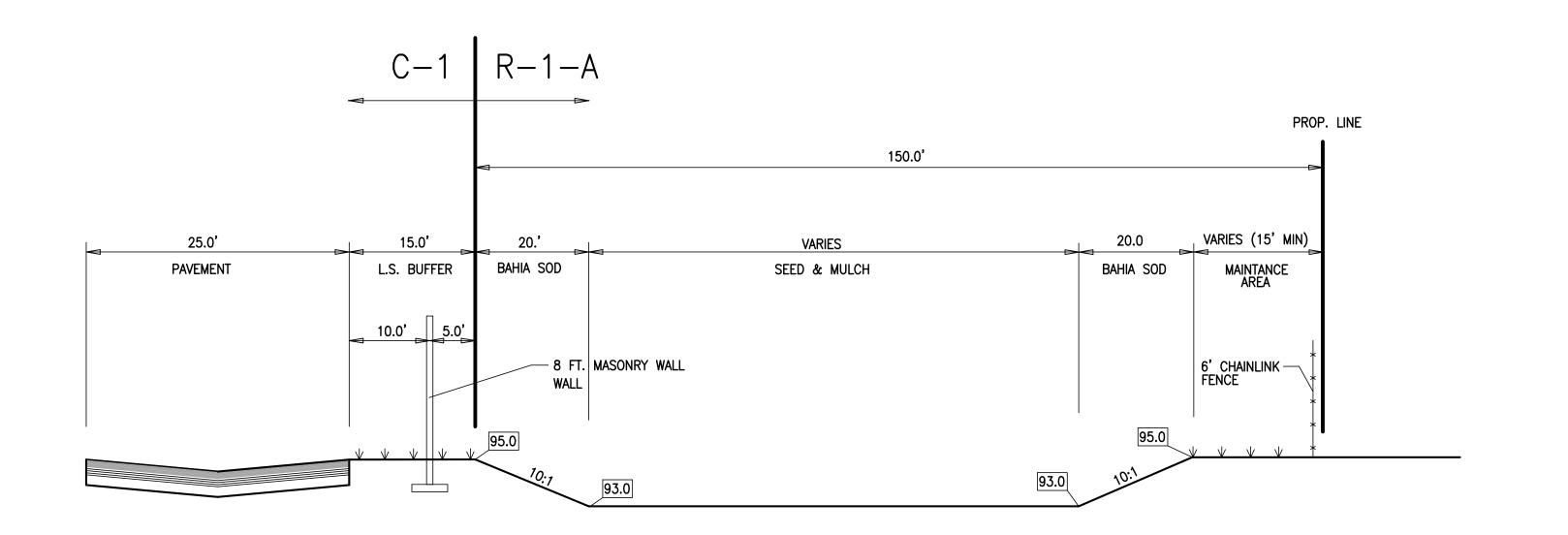












#### PAVING SPECIFICATIONS - ASPHALT SURFACE/CONCRETE FINES BASE:

SPECIFICATIONS FOR THE PARKING AREA AND DRIVES ARE AS FOLLOWS: SUB-BASE REQUIREMENTS: FOR RECYCLED CONCRETE FINES

A). COMPACT TO 98% OF AASHTO T-180 FOR TOP 12", MIN. 40% LBR

B). STABILIZE TOP 6" TO 75 PSI FLORIDA BEARING VALUE UNDER CURBS.

BASE REQUIREMENTS: CONCRETE FINES (BASE THICKNESS = 6" A). COMPACTED TO 98% OF MAX. DENSITY AS DETERMINED BY AASHTO T-180

SURFACE COURSE: 1.00" FDOT ASPHALT CONCRETE TYPE 9.5

SECTION C

N.T.S.

PORT PARKING McCoy Road

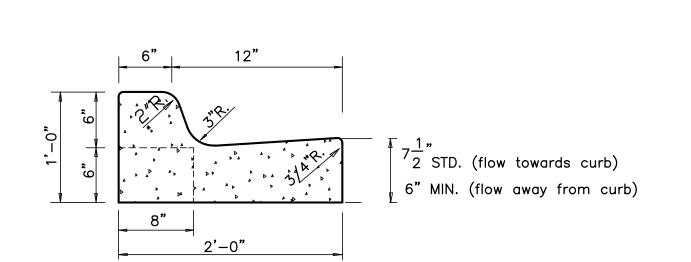
SECTIONS

sections

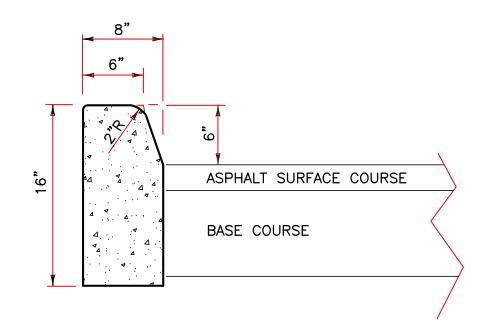
project no. 15325

sheet number

6 of 9

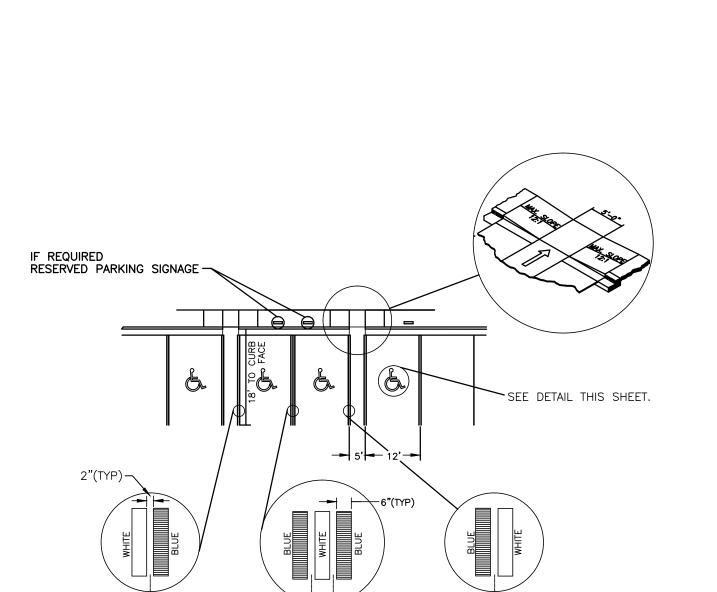


18" TYPE F CURB DETAIL



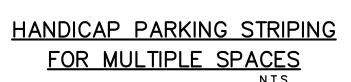
TYPE D — STANDARD

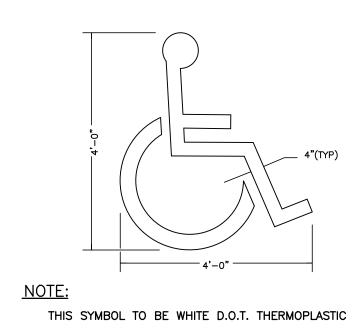
#### **CURB DETAILS**



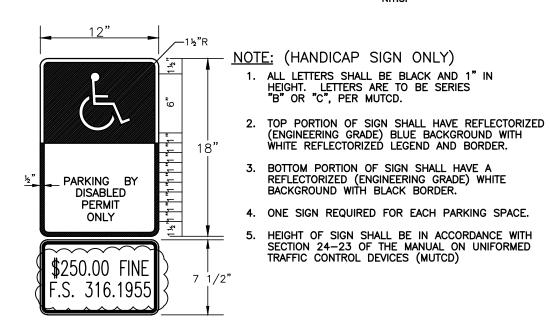
1. EACH SUCH PARKING SPACE SHALL BE CONSPICUOUSLY
OUTLINED IN BLUE PAINT, AND SHALL BE POSTED AND MAINTAINED
WITH A PERMANENT, ABOVE GRADE SIGN BEARING THE INTERNATIONAL
SYMBOL OF ACCESSIBILITY, OR THE CAPTION "PARKING BY DISABLED
PERMIT ONLY." OR BEARING BOTH SUCH SYMBOL AND CAPTION. SUCH SIGNS SHALL NOT BE OBSCURED BY A VEHICLE
PARKED IN THE SPACE. ALL HANDICAPPED PARKING SPACES MUST BE
SIGNED AND MARKED IN ACCORDANCE WITH THE STANDARDS ADOPTED BY THE DEPARTMENT OF TRANSPORTATION.

2. FL DOT RECOMMENDS MEASURING PARKING SPACE WIDTH FROM CENTER TO CENTER BETWEEN BLUE AND WHITE STRIPES.

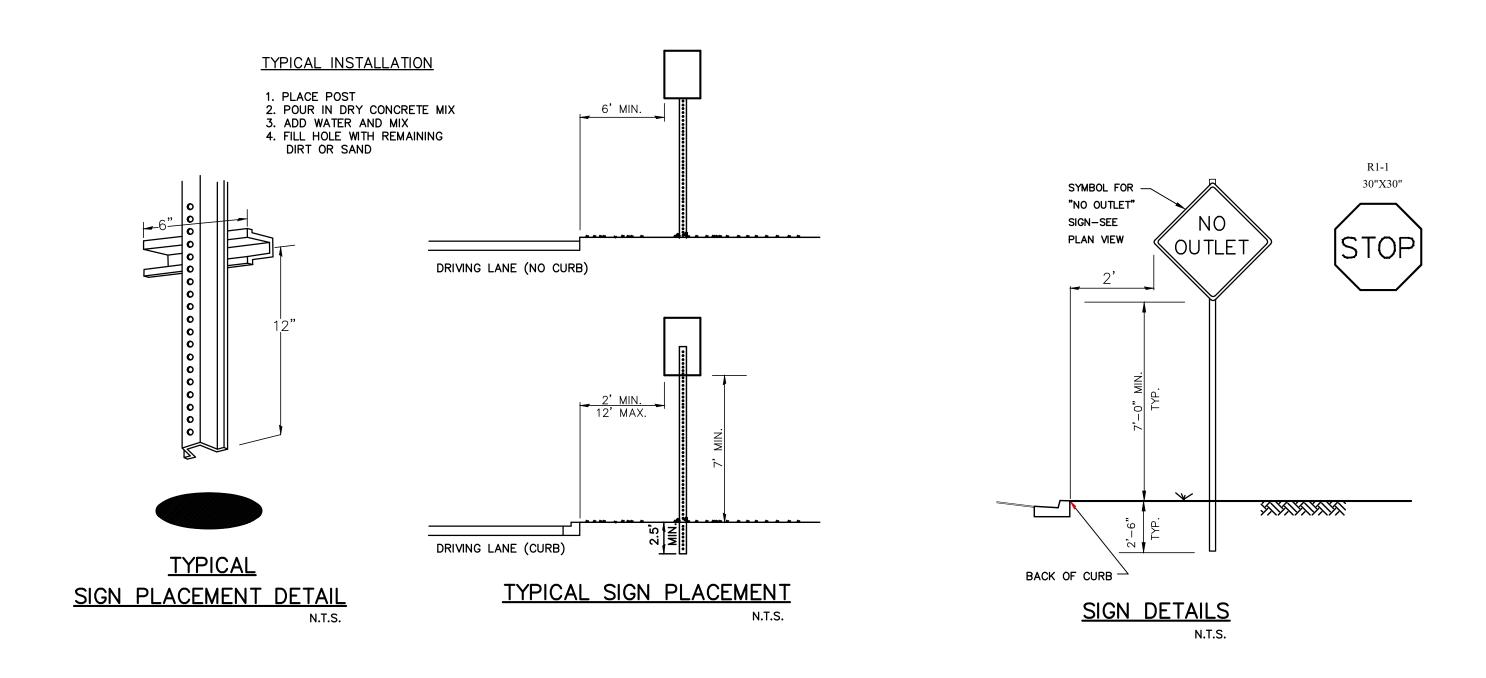


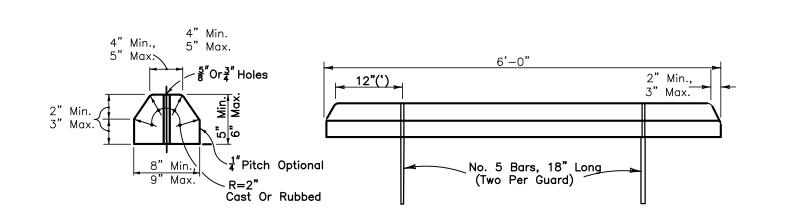


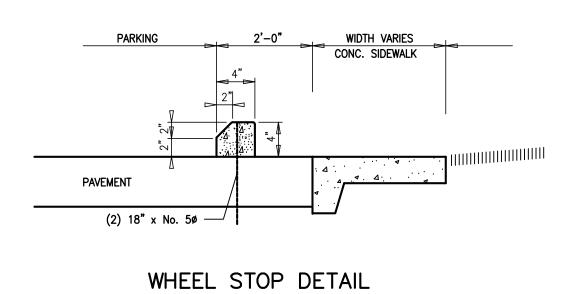
#### TYPICAL PAVEMENT SYMBOL FOR HANDICAPPED PARKING

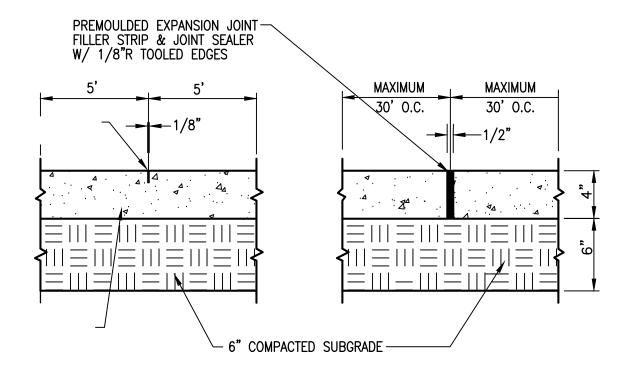


TYPICAL RESERVED PARKING **SIGNAGE** 









NOTES: 1. A THICKENED EDGE SHALL BE PROVIDED BETWEEN SIDEWALK AND DRIVEWAYS OR PARKING LOT. 2. SLOPE CONC. SIDEWALKS AWAY FROM BUILDINGS TO PROVIDE POSITIVE DRAINAGE.

3. PROVIDE 1% CROSS SLOPE ON CONC. WALKS TYP.

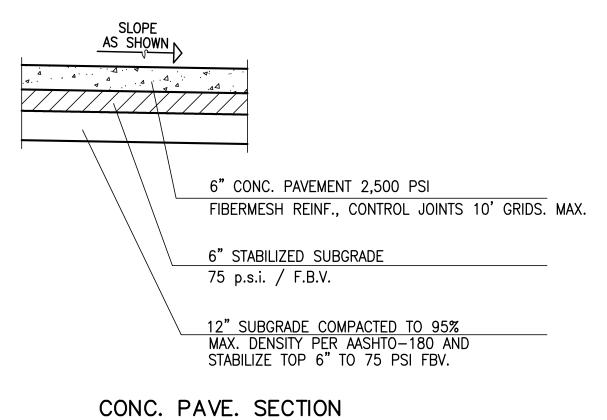
4. PROVIDE CONTROL JOINTS @ INTERVALS EQUAL TO SIDEWALK WIDTH (W).

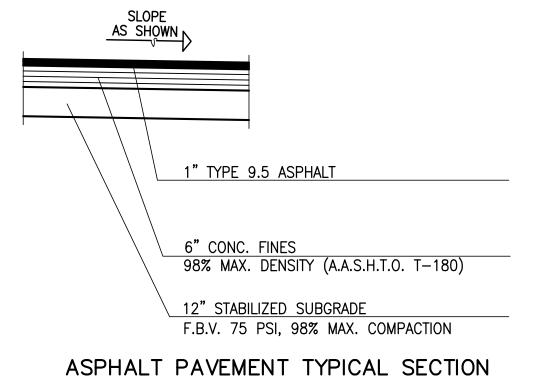
5. PROVIDE PREMOLDED EXPANSION JOINT WHERE CONC. WALK ABUTS BLDG., POLES, AND OTHER CONC. WALKS. 6. REINFORCED CONCRERTE WTH FIBERMESH OR 6-6X10X10 WWF

- PROPOSED 'NON-FLUSH' PAVEMENT

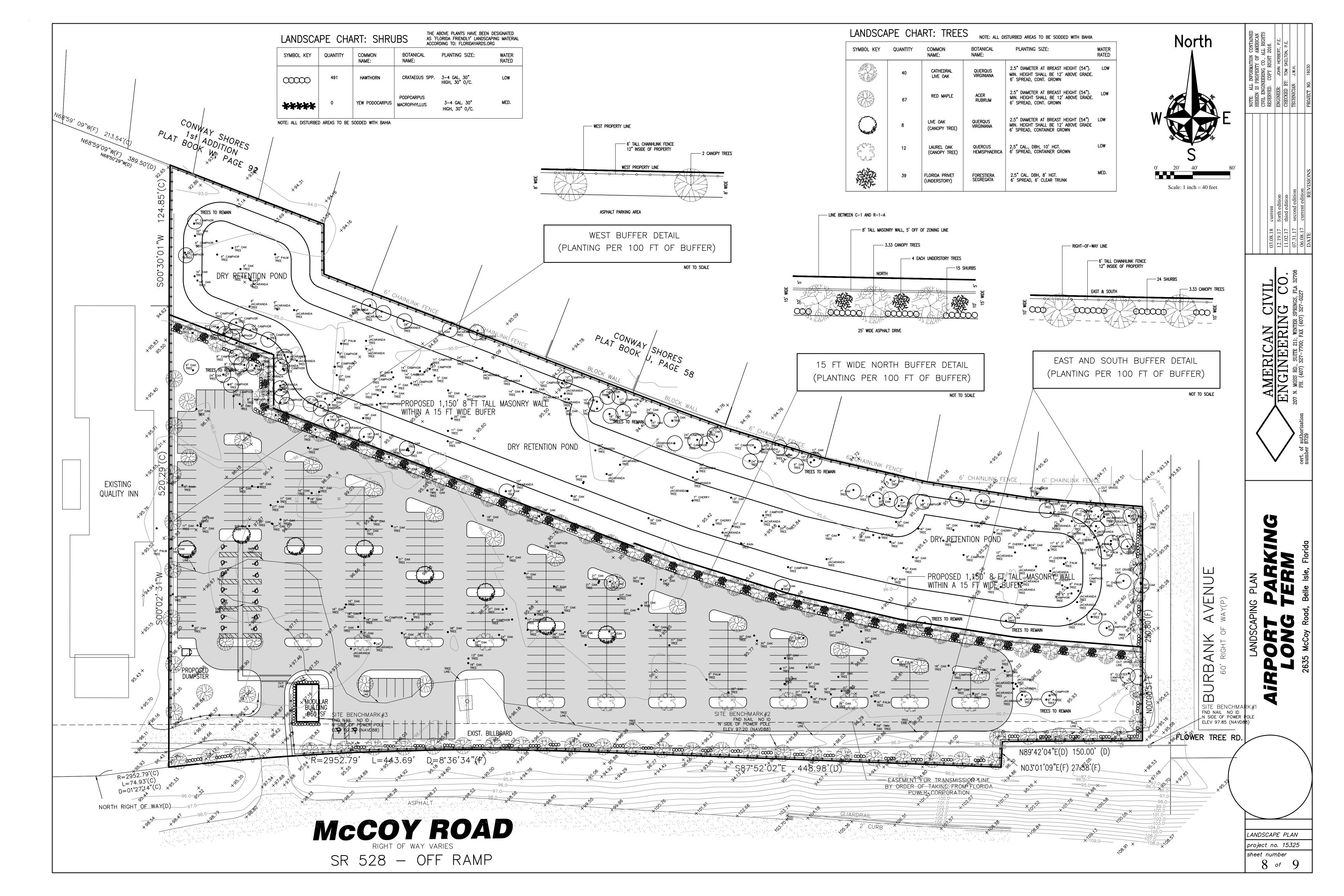
\_\_ 1/2" RAD.

CONCRETE SIDEWALK DETAIL





SECTIONS project no. 15325 sheet number of



#### SEC. A GENERAL CONSTRUCTION NOTES:

- 1. THE FOLLOWING GENERAL NOTES APPLY TO ALL CONSTRUCTION AS DEPICTED ON THE SITE
- 2. ALL PROPOSED SITE CONSTRUCTION SHALL BE PURSUANT TO INFORMATION SHOWN ON THESE PLANS AS APPROVED BY THE GOVERNING AUTHORITIES.
- 3. ALL CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE STATE, FEDERAL AND LOCAL CODES. ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT THEIR EXPENSE UNLESS PREVIOUSLY OBTAINED BY THE OWNER. IT WILL BE THE RESPONSIBILITY OF OF THE CONTRACTOR TO INSURE THAT ALL REQUIRED PERMITS ARE OBTAINED AND IN HAND AT THE JOB SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. CONTRACTOR SHALL ABIDE BY ALL CONDITIONS CONTAINED THERE IN.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING A VISUAL INSPECTION OF THE SITE PRIOR TO BIDDING AND ACCEPTING THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEMOLITION OF ALL UNDERGROUND AND ABOVE GROUND STRUCTURES THAT WILL NOT BE INCORPORATED WITH THE NEW FACILITIES. SHOULD ANY DISCREPANCIES EXIST WITH THE PLANS THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE PROEJCT ENGINEER AND REQUESTING A CLARIFICATION OF THE PLANS PRIOR TO DEMOLITION.
- ANY PROPOSED FIELD CHANGES WHICH SUBSTANTIALLY DEVIATE FROM THIS PLAN SHALL BE APPROVED BY THE GOVERNING AUTHORITIES AND THE ENGINEER PRIOR TO THE CHANGE TO MADE IN THE FIELD.
- 6. ALL WORK AND MATERIALS FURNISHED SHALL BE IN REASONABLE CONFORMITY WITH THE LINES, GRADES, GRADING SECTIONS, CROSS SECTIONS, DIMENSIONS, MATERIAL REQUIREMENTS AND TESTING REQUIREMENTS THAT ARE SPECIFIED IN THE CONTRACT, PLANS OR SPECIFICATIONS.
- 7. ANY DISCREPANCY BETWEEN THE CONSTRUCTION INFORMATION SHOWN ON THE PLANS AND THE ACTUAL FIELD CONDITIONS SHALL IMMEDIATELY BE BROUGHT TO THE ENGINEER'S ATTENTION. FAILURE TO DO SO AND TO CONTINUE CONSTRUCTION WITHOUT WRITTEN NOTIFICATION SHALL MAKE THE CONTRACTOR COMPLETELY LIABLE FOR WHATEVER ACTIONS AND/OR ERRORS THAT MAY SUBSEQUENTLY ARISE.
- 8. ALL IMPROVEMENTS SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH INFORMATION SHOWN ON THESE PLANS. ANY CONFLICTS WHICH RESULT IN CHANGES TO THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING PRIOR FOR REVIEW AND APPROVAL PRIOR TO FIELD CHANGES. MINOR ADJUSTMENTS CAUSED BY VARYING FIELD CONDITIONS, INCLUDING CHANGES AND DEPTHS OF BERMS AND SWALES MAY BE MADE WITH THE APPROVAL OF THE ENGINEER IF THE BASIC DESIGN INTENT IS MET.
- 9. THE INTENT AND/OR INTERPRETATION OF THESE CONSTRUCTION PLANS IF REQUIRED, SHALL BE MADE BY THE ENGINEER OF RECORD. ANY NEED BY THE CONTRACTOR FOR FOR INTERPRETATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER UPON DISCOVERY. NO A.D.A. TRAVEL ROUTES SHALL EXCEED A 5% SLOPE. NO A.D.A. PARKING SPACE SHALL EXCEED A 2% SLOPE IN ANY DIRECTION. DRIVEWAYS CONNECTING TO EXISTING ROADS/STREETS TO PROPOSED SITE PAVING AREAS SHALL NOT EXCEED AN 8% SLOPE. VERTICAL CURVES SHALL HAVE A LENGTH OF 20 FT. MIN. AT CREST AND SAG LOCATIONS.
- 10. ALL HORIZONTAL LAYOUT FOR SITE CONSTRUCTION SHALL BE BASED ON THE APPROVED PLAN AND/OR PLAT, AND PERFORMED BY QUALIFIED PERSONNEL.
- 11. ALL ELEVATIONS REFER TO THE DATUM AS INDICATED ON THE SURVEY (BY OTHERS).
- 12. THE CONTRACTOR SHALL TAKE CARE DURING THE CONSTRUCTION TO AVOID DISTURBING ANY EXISTING SURVEY MONUMENTS. ANY MONUMENT DISTURBED BY THE CONTRACTOR SHALL BE RESET AT THE CONTRACTOR'S EXPENSE BY THE PROJECT SURVEYOR.
- 13. THE CONTRACTOR SHALL HIRE A PROFESSIONAL TESTING LABORATORY AS NECESSARY TO PERFORM ALL TESTS REQUIRED BY THIS CONSTRUCTION.
- 14. THE CONTRACTOR SHALL NOTIFY AMERICAN CIVIL ENGINEERING COMPANY 24 HOURS IN ADVANCE PRIOR TO ANY TESTING AND SUPPLY THE ENGINEER WITH REQUIRED TEST RESULTS.
- 15. THE DESIGN AND ENGINEERING OF THIS PROJECT IS BASED ON INFORMATION SUPPLIED BY OTHERS. EASEMENTS OR OTHER ENCUMBRANCES, WHICH MAY EXIST AND NOT SHOW ON THE SURVEY ARE NOT THE RESPONSIBILITY OF THE ENGINEER.
- 16. EXITING SOILS CONDITIONS WHICH DIFFER FROM THE SOILS REPORT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AT TIME OF DISCOVERY.
- 17. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS CONTROLLING POLLUTION OF THE ENVIRONMENT AND EROSION/SEDIMENT CONTROL.
- 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPE BUFFER AND RETENTION AND DETENTION FACILITIES UNTIL THE WORK HAS BEEN ACCEPTED BY THE OWNER. ALL DISTURBED AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION.
- 19. ANY FUEL STORAGE AREAS SHALL HAVE PRIOR OWNERS APPROVAL AND APPROPRIATE MEASURES SHALL BE TAKEN TO INSURE PROTECTION OF GROUNDWATER AND SOIL RESOURCES.
- 20. SITE WORK PERFORMED ON THIS PROEJCT SHALL INTERFACE SMOOTHLY WITH OTHER WORK BEING PERFORMED ON SITE BY OTHER CONTRACTORS TO COORDINATE AND SCHEDULE HIS ACTIVITIES, WHEN AND WHERE NECESSARY WITH OTHER CONTRACTORS AND UTILITY COMPANIES.
- 21. THE INFORMATION ON THESE CONSTRUCTION PLANS ARE SUBJECT TO APPROVAL BY THE CITY, COUNTY, STATE AND FEDERAL AGENCIES. ALL WORK SHALL BE PURSUANT TO APPROVED PLANS AND ISSUED PERMITS.
- 22. ALL CONSTRUCTION DEBRIS AND OTHER WASTE MATERIAL SHALL BE DISPOSED OF OFF—SITE IN ACCORDANCE WITH APPLICABLE REGULATIONS.
- 23. THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND UTILITIES ARE NOT GUARANTEED AND AND SHALL BE INVESTIGATED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO INSTALLATION OF UNDERGROUND PIPES, FOOTERS OR EXCAVATION. THE ENGINEER ASSUMES NO

RESPONSIBILITY FOR ACCURACY OF LOCATION OF EXISTING UTILITIES SHOWN OR NOT SHOWN

- SHOWN ON THESE PLANS. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE ALL NECESSARY ARRANGEMENTS FOR ANY RELOCATIONS OF THESE UTILITIES WITH THE OWNER OF THE UTILITY.

  24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL COST WHICH MAY OCCUR DUE TO
- 24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL COST WHICH MAY OCCUR DUE TO TO ANY DAMAGES CAUSED BY THE CONTRACTOR TO EXISTING UTILITY STRUCTURES OR PROPERTY. THE CONTRACTOR SHALL COVER THE ENTIRE COSTS OF ALL REPAIRS AND/OR REPLACEMENT.
- 25. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN AREAS OF BURIED UTILITIES AND SHALL PROVIDE AT LEAST 48 HOURS NOTICE TO THE VARIOUS AFFECTED UTILITY COMPANIES IN ORDER TO PERMIT MARKING THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES IN ADVANCE OF CONSTRUCTION, BY CALLING "SUNSHINE" AT 1-800-432-4770 OR 811. THE CONTRACTOR IS IS RESPONSIBLE FOR CONTACTING ALL UTILITIES NOT INCLUDED IN THE "SUNSHINE" PROGRAM.
- 26. CHAPTER 77-153 OF THE FLORIDA STATUTES REQUIRES THAT AN EXCAVATOR NOTIFY ALL GAS UTILITIES A MINIMUM OF TWO WORKING DAYS PRIOR TO EXCAVATING. MAPS SHOW ONLY THE APPROXIMATE LOCATION OF GAS MAINS AND DO NOT SHOW SERVICE LINES. THE ONLY SAFE AND CORRECT WAY TO LOCATE EITHER MAINS OR SERVICE LINES IS BY AN ON-SITE INSPECTION BY THE THE RESPECTIVE GAS COMPANY PERSONNEL. THEREFORE, EXCAVATORS ARE INSTRUCTED TO CONTACT THE RESPECTIVE GAS COMPANY TWO WORKING DAYS BEFORE ENTERING A CONSTRUCTION AREA.
- 27. THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE UTILITY COMPANIES OF THE PROPOSED START OF WORK IN ACCORDANCE WITH THEIR STANDARD REQUIREMENTS; INCLUDING BUT NOT LIMITED TO WATER, SEWER, ELECTRIC POWER, TELEPHONE, GAS AND CABLE TV COMPANIES. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL UNDERGROUND CONDUITS (INCLUDING IRRIGATION) PRIOR TO SUB-BASE CONSTRUCTION.
- 28. UPON NOTICE FROM THE CONTRACTOR THAT CONSTRUCTION IS COMPLETE AND READY FOR ACCEPTANCE, THE ENGINEER SHALL MAKE FINAL INSPECTION AND NOTIFY THE CONTRACTOR AND OWNER OF ANY INCOMPLETE AND/OR DEFECTIVE WORK. THE CONTRACTOR SHALL CORRECT ALL SUCH ITEMS TO THE SATISFACTION OF THE ENGINEER AND OWNER. ALL REGULATORY AND GOVERNMENTAL AGENCIES WHICH REQUIRE FINAL INSPECTIONS SHALL HAVE BEEN CONTACTED BY THE CONTRACTOR AND HAVE INSPECTED AND APPROVED THE PROJECT PRIOR TO ACCEPTANCE BY THE OWNER.
- 29. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE APPROVED PLANS AND PERMITS AT THE CONSTRUCTION SITE. THE PLANS SHALL BE KEPT IN GOOD ORDER
- 30. THE CONTRACTOR SHALL PROVIDE COMPLETE "AS—BUILT" INFORMATION TO THE ENGINEER RELATIVE TO THE LOCATION OF ALL WATER LINES, WATER SERVICES, VALVES, SEWER LINES, SEWER SERVICES, STORM LINES, INVERTS OF STRUCTURES, FINAL RETENTION AREAS, FINISH PAVEMENT GRADES AND CONSTRUCTION BENCH MARKS FOR VERIFICATION. THE "AS—BUILT" RECORDS SHALL BE KEPT AT THE JOB SITE AND UPDATED AS THE PROJECT PROGRESSES. ONE (1) SET OF AS—BUILT PLANS ARE TO BE PROVIDED TO THE ENGINEER.
- 31. ENGINEER TO PROVIDE RECORD DRAWINGS AND CERTIFICATIONS TO THE ISSUED PERMITS.

48 HOURS BEFORE DIGGING

CALL TOLL FREE

OF FLORIDA, INC.

1-800-432-4770 SUNSHINE STATE ONE CALL

#### SEC. B EARTHWORK:

- EXISTING TOPOGRAPHY AND CONTOURS ARE BASED ON THE SURVEY (BY OTHERS).
   A GEOTECHNICAL SOILS REPORT HAS BEEN PREPARED FOR THIS PROJECT.
   CONFLICT BETWEEN INFORMATION WITHIN THE REPORT AND THESE CONSTRUCTION
   PLANS SHALL BE REPORTED TO THE ENGINEER UPON DISCOVERY. THE
- CONTRACTOR SHALL REVIEW THE SOILS REPORT PRIOR TO BIDDING.

  3. THE CONTRACTOR SHALL READ AND ADHERE TO ALL RECOMMENDATIONS CONTAINED IN THE SOILS REPORT.
- 4. EXISTING TREES, PLANTS AND SHRUBS WHICH ARE MARKED OR DESIGNATED AS PART OF THE LANDSCAPING SHALL BE CAREFULLY PROTECTED DURING CONSTRUCTION. WHERE TREES, PLANTS OR SHRUBS ARE ADJACENT TO THE CONSTRUCTION CARE SHALL BE TAKEN TO PROTECT AND RESTORE THE ORIGINAL CONDITIONS OF THE VEGETATION.
- 5. DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE AND PROPER SOIL EROSION CONTROL MEASURES, AS NECESSARY.
- 6. ALL SITE CLEARING AND GRUBBING SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 110 OF FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD
- SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

  7. ALL EXCAVATION AND EMBANKMENT SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 120 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. LATEST EDITION.
- 8. ALL FILL AREAS GREATER THAN 12 INCHES IN HEIGHT SHALL BE COMPACTED IN 12 INCH LIFTS (MEASURE PRIOR TO COMPACTION) TO 98% MAXIMUM DENSITY PER A.A.S.H.T.O. T-180.
- 9. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED UNLESS OTHERWISE NOTED ON THESE PLANS. ALL GRASSING SHALL BE PERFORMED IN ACCOR– DANCE WITH SECTION 570 OF FLORIDA DEPARTMENT OF TRANSPIRATION SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- 10. ALL DESIGNATED AREAS TO BE SODDED PER THE PLANS, SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 575 OF THE F.D.O.T. SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- 11. THE CONTRACTOR SHALL NOT COMPACT, STABILIZE, OR CONSTRUCT BASE COURSE WITHIN LANDSCAPE ISLANDS OR MEDIANS.
- 12. FINISH FLOOR ELEVATIONS ARE TYPICALLY 6 INCHES ABOVE DESIGN FINISHED GRADE AT OUTSIDE PERIMETER OF BUILDINGS EXCEPT AT ENTRIES AND WHERE OTHERWISE SHOWN ON THE GRADING PLAN.
- 13. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO CONTROL DUST, MUD AND EROSION DURING CONSTRUCTION AND SHALL PROTECT ALL ADJACENT PROPERTIES AND RIGHTS—OF—WAY FROM DAMAGE BY EROSION, SEDIMENTATION OR OTHER POTENTIAL CONSTRUCTION RELATED DUST.
- 14. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE EXISTING SITE AND SOIL CONDITIONS AND DETERMINE IF ANY OFF—SITE MATERIALS WILL NEED TO BE IMPORTED TO ACHIEVE THE GRADES SPECIFIED ON THE PLANS.
- 15. ALL EXCESS FILL FROM THE SITE SHALL BE STOCKPILED BY THE CONTRACTOR, IN A LOCATION DETERMINED BY THE OWNER OR THE OWNER'S REPRESENTATIVE AND THE FNGINFFR.
- 16. ALL AREAS INDICATED SHALL BE COMPLETELY CLEAR OF ALL TIMBER, BRUSH, STUMPS ROOTS, GRASS, WEEDS, RUBBISH, AND ALL OTHER DEBRIS AND OBSTRUCTIONS RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE GROUND.
- 17. PRIOR TO BID PREPARATION, THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE OVERALL SITE CONDITIONS AND PERFORM ADDITIONAL INVESTIGATIONS AS DETERMINED NECESSARY TO UNDERSTAND THE LIMIT AND DEPTH OF EXPECTED ORGANIC SILT PEAT AREAS, ADEQUACY OF EXISTING MATERIALS AS FILL, DEWATERING REQUIREMENTS, CLEAN FILL REQUIRED FROM OFF-SITE AND MATERIALS TO BE DISPOSED OF OFF-SITE, ALL OF WHICH WILL AFFECT PRICING. ANY DELAY, INCONVENIENCE OR EXPENSE CAUSED TO THE CONTRACTOR DUE TO INADEQUATE INVESTIGATION OF EXISTING CONDITIONS SHALL BE INCIDENTAL TO THE CONTRACT, AND NO EXTRA COMPENSATION WILL BE ALLOWED. THE MATERIALS ANTICIPATED TO BE ENCOUNTERED DURING CONSTRUCTION MAY REQUIRE DRYING PRIOR TO USE AS BACKFILL, AND THE CONTRACTOR MAY HAVE TO IMPORT MATERIALS, AT NO EXTRA COST, FROM OFF-SITE TO MEET THE REQUIREMENTS FOR COMPACTION AND PROPER FILL.

#### SEC. C DRAINAGE:

- ALL DRAINAGE RELATED CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH ST. JOHNS RIVER WATER MANAGEMENT DISTRICT PERMIT ISSUED FOR THIS PROJECT.
   ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION
- 3. THE ABOVE F.D.O.T. CONSTRUCTION DETAILS ARE HEREBY INCORPORATED THESE PLANS BY REFERENCE.
- 4. PIPE LENGTHS SHOWN REPRESENT SCALED DIMENSIONS BETWEEN CENTER-LINES OF DRAINAGE STRUCTURES AND FROM END OF HEADWALLS AND MITERED END SECTIONS. BIDDERS SHALL ADJUST FOR PIPE LENGTHS WHEN BIDDING MITERED END SECTIONS.
- 5. ALL STORMWATER DRAINAGE PIPES SHALL BE REINFORCED CONCRETE PIPE (ASTM C-76, CLASS III) UNLESS NOTED OTHERWISE.

#### SEC. D PAVING:

- ALL PAVEMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH F.D.O.T. CURRENT CONSTRUCTION SPECIFICATIONS.
- 2. ALL PAVING SURFACES IN INTERSECTIONS AND ADJACENT SECTIONS SHALL BE GRADED TO DRAIN POSITIVELY IN THE DIRECTION SHOWN BY THE FLOW ARROWS ON THE PLANS AND TO PROVIDE A SMOOTHLY TRANSITIONED DRIVING SURFACE FOR VEHICLES WITH NO SHARP BREAKS IN GRADE, AND NO UNUSUALLY STEEP OR REVERSE CROSS SLOPES. APPROACHES TO INTERSECTIONS AND ENTRANCE AND EXIT GRADES TO INTERSECTIONS WILL HAVE TO BE ADJUSTED IN THE FIELD TO INSURE A SMOOTH AND UNIFORM CONNECTION. IN THESE AREAS, IT MAY ALSO BECOME ADVISABLE TO MAKE MINOR FIELD ADJUSTMENTS IN PAVEMENT GRADES TO ACCOMPLISH GRADE TRANSITIONS.
- 3. IT MAY BE NECESSARY TO FIELD ADJUST PAVEMENT ELEVATIONS TO PRESERVE THE ROOT SYSTEMS OF TREES SHOWN TO BE SAVED. THE CONTRACTOR IS TO COORDINATE WITH THE ENGINEER PRIOR TO ANY ELEVATION CHANGES.
- 4. PRIOR TO CONSTRUCTING CONCRETE PAVEMENT, THE CONTRACTOR IS TO SUBMIT A PROPOSED JOINTING PATTERN TO THE ENGINEER FOR APPROVAL.
- 5. THE CONTRACTOR IS TO PROVIDE A 1/2" BITUMINOUS EXPANSION JOINT MATERIAL AT ABUTMENT OF CONCRETE AND ANY STRUCTURE.
- 6. ALL ON-SITE PAVEMENT MARKINGS SHALL BE MADE WITH NON-THERMOPLASTIC PAINT TO FDOT STANDARD SPECIFICATIONS. PARKING STALL STRIPING TO BE 4" WIDE.
- 7. THE CONTRACTOR IS TO INSTALL EXTRA BASE MATERIAL WHEN THE DISTANCE BETWEEN THE PAVEMENT ELEVATION AND THE TOP OF THE PIPE OR BELL IS LESS THAN 12 INCHES. SEE "EXTRA BASE FOR CROSS CULVERTS UNDER FLEXIBLE PAVEMENT DETAIL."
- 8. CURBING SHALL BE CONSTRUCTED WHERE NOTED ON THE CONSTRUCTION PLANS. CONCRETE FOR CURBS SHALL BE DEPARTMENT OF TRANSPORTATION CLASS "I" CONCRETE WITH A 28-DAY COMPRESSION STRENGTH OF 3000 PSI. ALL CURBS SHALL HAVE SAW CUT CONTRACTION JOINTS AND SHALL BE CONSTRUCTED AT INTERVALS NOT TO EXCEED 10'-0" ON CENTER. CONSTRUCTION OF CURBS SHALL BE IN CONFORMANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 520 AND DETAILS PROVIDED ON THE CONSTRUCTION PLANS.
- 9. PAVEMENT MARKINGS AND SIGNAGE SHALL BE PROVIDED AS SHOWN ON THE CONSTRUCTION PLANS AND SHALL MEET THE REQUIREMENTS OF THE OWNER/OPERATOR. SIGNAGE SHALL BE IN CONFORMANCE WITH MUTCD (LATEST EDITION). A 14 DAY PAVEMENT CURING TIME WILL BE PROVIDED PRIOR TO APPLICATION OF THE PAVEMENT MARKINGS. REFLECTIVE PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH FDOT INDEX NO. 17352.
- 10. A MINIMUM OF 2-WAY TRAFFIC SHALL BE MAINTAINED IN THE WORK SITE AREA.
  ALL CONSTRUCTION WARNING SIGNAGE SHALL BE IN PLACE PRIOR TO COMMENCEMENT
  OF CONSTRUCTION AND BE MAINTAINED THROUGHOUT CONSTRUCTION. ACCESS SHALL
  BE CONTINUOUSLY MAINTAINED FOR ALL PROPERTY OWNERS SURROUNDING THE WORK AREA.
  LIGHTED WARNING DEVICES ARE TO BE OPERATIONAL PRIOR TO DUSK EACH NIGHT DURING

#### SEC. E EROSION CONTROL:

- APPROVED EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY CLEARING, GRADING, EXCAVATION, FILLING OR OTHER LAND DISTURBING ACTIVITIES, EXCEPT THOSE OPERATIONS NEEDED TO INSTALL SUCH MEASURES OR UNDERGROUND UTILITIES INSTALLATIONS.
- 2. DURING CONSTRUCTION, THE CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO INSURE AGAINST POLLUTING, SILTING OR DISTURBING TO SUCH AN EXTENT AS TO CAUSE AN INCREASE IN TURBIDITY TO THE EXISTING DRAINAGE SYSTEM AND ADJACENT WATER BODIES AND WETLANDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL PERMIT CONDITIONS RELATED TO SUCH MEASURES. METHODS MAY INCLUDE BUT ARE NOT LIMITED TO, FLOATING SILT BARRIERS, SEDIMENTATION BASINS, SEDIMENT CHECK DAMS, SILT FENCES, SYNTHETIC BAILS. THE MEASURES SHOWN ON THESE PLANS SHALL BE CONSIDERED MINIMUM AND SHALL NOT DEVIATE THE CONTRACTOR FROM THE RESPONSIBILITY TO IMPLEMENT ANY MEASURES NECESSARY TO PROVIDE PROTECTION, EROSION, SEDIMENTATION AND TURBIDITY.

- 3. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE F.D.O.T. MANUAL FOR EROSION CONTROL (LATEST ED.)
- 4. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND NEEDED REPAIRS OR MAINTENANCE SHALL BE COMPLETED BEFORE WORK STOPS FOR THE DAY.
- 5. TEMPORARY SEDIMENT TRAPS ARE ACCEPTABLE IF THE INLET IS PROPERLY SCREENED WITH SYNTHETIC BALES AND LOW ENOUGH IN ELEVATION FOR FOR RUNOFF TO ENTER THE STRUCTURE.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONTINUOUSLY
  MAINTAINED BY THE CONTRACTOR DURING THE CONSTRUCTION PHASE OF THIS
  PROJECT UNTIL ACCEPTED BY THE OWNER.
- PROJECT UNTIL ACCEPTED BY THE OWNER.

  7. FAILURE TO PROPERLY INSTALL AND MAINTAIN EROSION CONTROL PRACTICES COULD
- RESULT IN CONSTRUCTION BEING SUSPENDED BY THE ENGINEER.

  8. SEDIMENT BARRIERS SHALL MEET D.O.T STANDARDS.
- 9. EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION BY THE ENGINEER OF RECORD.
- 10. ALL SEEDING FOR TEMPORARY STABILIZATION SHALL BE DONE AS EACH AREA IS MADE READY. CONSTRUCTION SEQUENCE TO MINIMIZE EROSION AND SEDIMENTATION AT STORM—WATER DISCHARGE POINTS:
- A. CONTRACTOR TO INSTALL FDOT TYPE III SILT FENCES AT SITE DISCHARGE POINTS.

  B. CONTRACTOR TO CONSTRUCT POND AND CONNECTING DRAINAGE AND OUTFALL PIPES
- AT INITIAL STAGES OF CONSTRUCTION.

  C. ALL GRADING OPERATIONS SHALL BE PERFORMED WITHOUT DELAY, PAUSE OR SUSPENDED (CONTINUOUS OPERATION) UNTIL PROPOSED GRADES ARE MET. ALL EXPOSED EARTH SHALL BE SEEDED AND MULCHED OR SODDED SOON AFTER AFTER GRADING IS COMPLETED.
- 11. EROSION CONTROL PLAN ANY MODIFICATIONS TO THIS PLAN MUST BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REPRESENTING THE CONTRACTOR. THE MODIFICATIONS MUST BE APPROVED BY THE ENGINEER OF RECORD AND IF SIGNIFICANT, THE PERMITTING AGENCY. NO CONTRACT DELAYS WILL BE ALLOWED FOR SUCH MODIFICATIONS OR APPROVALS.
- 12. OUTFALL PROTECTION PROJECT PIPE OR DITCH DISCHARGES INTO OFF—SITE OUTFALLS SHALL BE INSPECTED DAILY FOR POSSIBLE SEDIMENT BUILDUP OR EROSION. OUTFALLS SHALL BE PROTECTED THROUGH USE OF ENVIRONMENTAL CONTROL FEATURES AS NECESSARY TO CONTAIN ANY SEDIMENT ENTERING THE IMMEDIATE AREA OF THE PROJECT. ANY SEDIMENT BUILDUP OR TRANSPORT OFF—SITE SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMEDY. THE CONTRACTOR SHALL USE APPROPRIATE MEASURES AS DIRECTED BY THE PROJECT ENGINEER FOR OUTFALL PROTECTION.
- 13. SLOPE PROTECTION ANY DISTURBED OR REWORKED SLOPES 3:1 OR GREATER IN SLOPE SHALL BE ADEQUATELY PROTECTED FROM EROSION THROUGH THE USE OF TEMPORARY SODDING UNTIL PERMANENTLY STABILIZED. SUCH SLOPES SHALL NOT BE LEFT UNPROTECTED MORE THAN 24 HOURS OR PRIOR TO ANTICIPATED RAINFALL
- 14. SYNTHETIC HAY BALES SHALL BE PLACED AT THE BASE OF ANY SLOPE WHERE A RAINFALL EVENT COULD ERODE A SLOPE AND TRANSPORT SEDIMENTS OFF SITE.

  BALES SHALL BE DOUBLE STAKED IN ACCORDANCE WITH FDOT STANDARDS. IF EROSION DEPOSITS REACH THE NEAR THE TOP OF EXISTING BALES THEN SEDIMENTS SHOULD BE REMOVED, ANY DAMAGED OR INEFFECTIVE BALES ARE TO BE REPLACED. THE EXACT LOCATION OF BALE INSTALLATIONS SHALL BE AS DIRECTED BY THE CONSTRUCTION SUPERINTENDENT.
- 15. A. BACK OF SIDEWALK OR MEDIAN INLETS THESE SHALL BE PROTECTED FROM SEDIMENT INTAKE UNTIL PROJECT IS COMPLETE. ELEVATION OF GROUND OUTSIDE INLET TOP SHALL NOT BE HIGHER THAN INLET TOP. SOCK PIPE SHALL BE INSTALLED AROUND INLET TOP. A SECOND ROW OF SOCK PIPE SHALL BE PLACED AROUND INLET APPROXIMATELY 4 "OUTSIDE FIRST ROW. BETWEEN ROWS THERE SHALL BE A DEPRESSIONS TO ACT AS A SEDIMENT BASIN. COMPLETED INLETS IN PAVED AREAS SHALL ALSO BE PROTECTED WITH A SINGLE LINE OF SOCK PIPE TO PREVENT SEDIMENT INTAKE FROM OTHER AREAS.
- B. CURB INTAKES THESE INLETS SHALL BE PROTECTED FROM SEDIMENT INTAKE UNTIL THE PROJECT IS COMPLETE. A SILT FENCE (TYPE III) SHALL BE PLACED AROUND THE OF THE BACK INLET IMMEDIATELY ADJACENT TO THE EDGE OF THE THE INLET. ALL EXPOSED SLOPED MATERIAL ADJACENT TO THE INLET SHALL BE BE COVERED WITH EROSION CONTROL SOD TO MINIMIZE SEDIMENT ENTERING THE NEW INLET.
- 16. STOCKPILED MATERIALS SHALL NOT BE LEFT IN EROSION PRONE AREAS TO NEXT TO A KNOWN WETLAND.
- 17. DAILY INSPECTION OF ALL EROSION CONTROL MEASURES AND CONDITIONS OF ADJACENT PROPERTIES SHALL BE PERFORMED BY THE CONTRACTOR. ANY AREAS OF CONCERN SHALL BE NOTED AND CORRECTED. ANY SIGNIFICANT EROSION AREAS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD.

#### SEC. F DRY POND & SWALE RETENTION AREAS:

- 1. THE CONTRACTOR SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL SYSTEMS FOR CONFORMANCE WITH THE SITE CONSTRUCTIONS PLANS AND FIELD CHANGES. BANKS AND SLOPES OF RETENTION PONDS SHALL ALSO BE CHECKED AFTER RAINFALL EVENTS FOR EROSION PROBLEMS.
- 2. THE CONTRACTOR SHALL REPAIR ALL EROSION AND SEDIMENT CONTROL SYSTEMS AS REQUIRED FOR CONTINUED FUNCTION. RE-GRADE IF REQUIRED, TO MAINTAIN DESIGN CONFIGURATION. ADD SOD AND SILT FENCES AS REQUIRED TO PREVENT SOIL AND SILT FROM EXITING THE SITE.
- 3. MOW RETENTION AREAS REGULARLY TO MAINTAIN WEED OVERGROWTH AND PROMOTE TURF GROWTH.
- 4. INSPECT RETENTION AREAS PERIODICALLY FOR ACCUMULATION OF DEBRIS AND TRASH. PROPERLY DISPOSE OF ALL DEBRIS AND TRASH IN RETENTION AREAS AND CONVEYANCE SWALES.
- 5. INSPECT RETENTION AREA BOTTOMS FOR DEPOSITS OF SAND AND/OR SILT AND REMOVE.6. PERCOLATION PERFORMANCE SHALL BE EVALUATED YEARLY FOR EACH DRY RETENTION
- . PERCOLATION PERFORMANCE SHALL BE EVALUATED YEARLY FOR EACH DRY RETENTION AREA. THE RETENTION AREAS SHALL PERCOLATE THE DESIGN WATER QUALITY VOLUME WITHIN 72 HOURS OF THE END OF RAINFALL EVENT. BOTTOM MAINTENANCE SHALL BE PERFORMED AS REQUIRED BY EXERCISING THE FOLLOWING PROCEDURE:
- A. REMOVE 4 TO 6 INCHES OF RETENTION AREA BOTTOM MATERIAL AND SCARIFY.
- B. REPLACE EXCAVATED MATERIAL WITH CLEAN SAND MATERIAL TO DESIGN GRADE AND SEED AND MULCH OR COVER WITH NON-MUCK GROWN SOD.

#### SEC. G WORKS IN PUBLIC RIGHT-OF-WAY:

- 1. ALL LOCAL, STATE AND FEDERAL ORDINANCES, POLICIES AND/OR OTHER REGULATIONS REGARDING TRAFFIC AND PEDESTRIAN TEMPORARY BARRICADES, LIGHTS, SIGNALS, SIGNAGE ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. SAFE AND CONVENIENT MEANS OF ACCESS AND EGRESS TO ALL PARTS OF THE PROJECT SHALL BE MAINTAINED BY THE CONTRACTOR.
- 2. PRIOR TO COMMENCING WORK THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL BARRICADES, WARNING SIGNS, AND MARKINGS FOR HAZARDS AND THE CONTROL OF TRAFFIC IN REASONABLE CONFORMITY WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS OR AS DIRECTED BY F.D.OT. AND LOCAL TRAFFIC ENGINEER SUCH AS TO EFFECTIVELY PREVENT ACCIDENTS IN ALL PLACES WHERE THE WORK CAUSES OBSTRUCTIONS TO THE NORMAL TRAFFIC OR CONSTITUTES IN ANY WAY A HAZARD TO THE PUBLIC.
- 3. THE CONTRACTOR SHALL CONTROL HIS OPERATIONS AND THOSE OF HIS SUBCONTRACTORS AND ALL SUPPLIERS TO ASSURE THE LEAST INCONVENIENCE TO THE TRAVELING PUBLIC. THE CONTRACTOR SHALL MAINTAIN FREE AND UNOBSTRUCTED MOVEMENT OF VEHICULAR TRAFFIC AND SHALL LIMIT HIS OPERATIONS FOR THE SAFETY AND CONVENIENCE OF THE TRAVELING PUBLIC. UNDER ALL CIRCUMSTANCES, SAFETY SHALL BE THE MOST IMPORTANT CONSIDERATION.
- 4. THE CONTRACTOR SHALL COMPLY WITH ALL LEGAL LOAD RESTRICTIONS IN THE HAULING OF MATERIALS IN PUBLIC ROADS BEYOND THE LIMITS OF THE WORK. A SPECIAL PERMIT WILL NOT RELIEVE THE CONTRACTOR OF LIABILITY FOR THE DAMAGE WHICH MAY RESULT FROM THE MOVING OF MATERIAL AND EQUIPMENT.
- 5. ALL STRIPING SHALL BE THERMOPLASTIC AND SHALL MEET THE REQUIREMENTS OF FDOT SPECIFICATIONS AND SUPPLEMENTS.
- 6. REFLECTIVE PAVEMENT MARKERS SHALL MEET THE REQUIREMENTS OF FDOT SPECIFICATIONS AND SUPPLEMENTS.7. ALL SIGNS WITHIN FDOT RIGHT-OF-WAY SHALL MEET THE REQUIREMENTS OF FDOT
- SPECIFICATIONS AND SUPPLEMENTS.

  8. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH CURRENT

FDOT STANDARDS.

- 9. STRIPING WITHIN FDOT RIGHT-OF-WAY SHALL BE PLACED IN ACCORDANCE WITH FDOT STANDARD INDEX NO. 17346.
- 10. SIGNS WITHIN FDOT RIGHT-OF-WAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT STANDARD INDEX NO. 11860 AND SHALL BE PLACED IN ACCORDANCE WITH FDOT STANDARD INDEX NO. 17302.
- SIGNING AND STRIPING WITHIN FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
   ALL WORK PERFORMED WITHIN THE FLORIDA DEPARTMENT OF TRANSPORTATION
- ALL WORK PERFORMED WITHIN THE FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY SHALL CONFORM TO:

  A.) FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD
- AND BRIDGE CONSTRUCTION LATEST EDITION.

  B.) FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS FOR STREETS AND HIGHWAYS ON STATE MAINTAINED SYSTEMS. (AKA: STANDARD INDEX) COMPLIANCE WITH ALL APPLICABLE FDOT INDEXES IS REQUIRED.
- 13. THE MAINTENANCE OF TRAFFIC IS TO BE PER APPLICABLE FDOT INDEX DESIGN.

#### SEC. H SAFETY:

- 1. DURING THE CONSTRUCTION AND/ OR MAINTENANCE OF THIS PROJECT. ALL SAFETY REGULATIONS ARE TO BE ENFORCED BY THE CONTRACTOR. THE CONTRACTOR OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR THE CONTROL AND SAFETY OF THE TRAVELING PUBLIC AND THE SAFETY OF HIS PERSONNEL. LABOR SAFETY REGULATIONS SHALL CONFORM TO THE PROVISIONS SET FORTH BY CURRENT OSHA STANDARDS.
- 2. THE MINIMUM STANDARDS AS SET FORTH IN THE CURRENT EDITION OF THE STATE OF FLORIDA MANUAL ON TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS.
- 3. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY AND ENFORCE ALL APPLICABLE SAFETY REGULATIONS. THE ABOVE INFORMATION HAS BEEN PROVIDED FOR THE CONTRACTOR'S INFORMATION ONLY AND DOES NOT IMPLY THAT THE OWNER OR ENGINEER WILL INSPECT AND/OR ENFORCE SAFETY REGULATIONS.

#### SEC. L DEMOLITION:

- 1, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND LICENSES FOR PERFORMING THE DEMOLITION WORK AND SHALL FURNISH A COPY OF SAME TO THE ENGINEER PRIOR TO COMMENCING THE WORK. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE PERMITS.
- 2. THE CONTRACTOR SHALL MODIFY ALL UTILITY COMPANIES OR LOCAL AUTHORITIES FURNISHING GAS, WATER, ELECTRICAL, TELEPHONE, OR UTILITY/SEWER SERVICE. SO THEY CAN REMOVE, RELOCATE, DISCONNECT, CAP OR PLUG THEIR EQUIPMENT IN ORDER TO FACILITATE DEMOLITION.
- 3. THE CONTRACTOR SHALL PROTECT ALL UTILITIES AND OTHER IMPROVEMENTS SHOWN ON THESE PLANS AND ALL OTHER UTILITIES AND OTHER IMPROVEMENT NOT SHOWN. THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR REPAIRS OF UTILITIES AND OTHER IMPROVEMENTS DAMAGED DURING CONSTRUCTION AND SHALL MAINTAIN SUFFICIENT PROTECTION TO ALL UTILITIES REQUIRED TO PROTECT THEM FROM DAMAGE AND TO PROTECT THE PUBLIC DURING CONSTRUCTION.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL TREES, STRUCTURES, AND UTILITIES NOT MARKED FOR REMOVAL OR DEMOLITION AND SHALL PROMPTLY REPAIR ANY DAMAGE AS DIRECTED BY THE ENGINEER AT NO COST TO THE OWNER.
- 5. THE CONTRACTOR TO REMOVE ALL BUILDING STRUCTURES MARKED FOR DEMOLITION WHICH INCLUDES ALL FOOTERS ASSOCIATED WITH THE STRUCTURE, SEPTIC SYSTEMS AND WATER LINES TO THE METER LOCATION, LATERALS TO THE RIGHT-OF-WAY LINE (CAP PRIOR TO BACKFILLING THE TRENCH), AND ALL UNDERGROUND ELECTRICAL WIRING NOT ASSOCIATED WITH THE APPROPRIATE POWER COMPANY.
- 6. THE CONTRACTOR SHALL REMOVE ALL PAVING MARKED FOR DEMOLITION WHICH INCLUDES ALL ASPHALT, CONCRETE, BASE, GRAVEL, BRICK AND SIDEWALK.
- 7. THE CONTRACTOR SHALL REMOVE ALL TREES MARKED FOR REMOVAL WHICH INCLUDES THE ROOTS ASSOCIATED WITH THE TREE. THE TREES NOT MARKED FOR REMOVAL SHALL BE PROTECTED IN ACCORDANCE WITH THE TREE PROTECTION DETAILS.
- 8. THE CONTRACTOR IS TO REMOVE ALL UNSALVAGEABLE MATERIALS AND YARD WASTE FROM THE SITE IMMEDIATELY AND DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.
- 9. THE CONTRACTOR SHALL SAW-CUT A SMOOTH STRAIGHT EDGE ON ANY PAVEMENT PROPOSED FOR DEMOLITION PRIOR TO ITS REMOVAL TO ENSURE THAT THE EDGE OF THE INTERFACE BETWEEN OLD AND NEW PAVEMENT IS STRAIGHT, UNIFORM AND EVEN IN ELEVATION.

#### SEC I LINDEDCROLIND LITHITIES.

- SEC. I UNDERGROUND UTILITIES:

  1. THE ENGINEER RESERVES THE RIGHT TO REQUIRE THE CONTRACTOR TO UNCOVER, RETEST AND/OR PERFORM ANY ACTION NECESSARY TO ENSURE THAT THE IMPROVEMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND
- 2. THE CONTRACTOR SHALL COORDINATE ALL BACKFILL OPERATIONS WITH THE PROJECT SOILS ENGINEER AND SUBMIT TEST REPORTS TO ENGINEER PRIOR TO BEGINNING WORK ON THE NEXT ITEM OF WORK, I.E. SUBGRADE PRIOR TO CURB.
- THE CONTRACTOR SHALL RECOGNIZE AND ABIDE BY ALL OSHA EXCAVATION SAFETY STANDARDS, INCLUDING THE FLORIDA TRENCH SAFETY ACT (90-96, LAWS OF FLORIDA). ANY MATERIAL, CONSTRUCTION METHODS, OR MATERIAL COST TO COMPLY WITH THESE LAWS SHALL BE INCIDENTAL TO THE CONTRACT.
   FLORIDA LAW (533.851) REQUIRES THAT PERSONS MAKING EXCAVATIONS IN
- PUBLIC OR PRIVATE STREETS, ALLEYS, RIGHT—OF—WAY OR UTILITY EASEMENTS WITH HAND TOOLS OR POWER EQUIPMENT MUST FIRST OBTAIN INFORMATION ON THE THE LOCATION OF UNDERGROUND GAS PIPE LINES. THE CONTRACTOR SHALL NOTIFY THE GAS UTILITY A MINIMUM OF 48 HOUR AND A MAXIMUM OF 5 DAYS PRIOR TO EXCAVATION.
- 5. ALL WORK SHALL SHALL BE OPEN TO AND SUBJECT TO INSPECTION.
  6. THE CONTRACTOR SHALL COORDINATE THE INSTALLATIONS OF UTILITY CONDUITS (SLEEVES) UNDER PAVED AREAS WITH EACH UTILITY COMPANY PRIOR TO BASE
- 7. ALL DEWATERING COSTS ASSOCIATED WITH THE INSTALLATION AND CONSTRUCTION OF THE UNDERGROUND UTILITIES; STORMWATER PIPES AND MANHOLES; SANITARY SEWER MAINS, FORCE MAINS, MANHOLES, AND LIFT STATIONS; AND STORMWATER MANAGEMENT SYSTEMS SHALL BE INCLUDED AS PART OF THE CONSTRUCTION BID

#### SEC. J SANITARY SEWER SYSTEM:

- ALL SEWER COLLECTION SYSTEM RELATED ITEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH LOCAL STANDARDS, THE FLORIDA DEPARTMENT
- OF ENVIRONMENTAL PROTECTION, AND HEALTH DEPT. REQUIREMENTS.

  2. IF UNSUITABLE MATERIAL IN THE VICINITY OF SANITARY SEWER LINES ARE FOUND DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHO WILL DIRECT THE CONTRACTOR TO REMOVE THE UNSUITABLE MATERIAL AND PREPARE THE TRENCH AND INSTALL THE SEWER LINES IN
- ACCORDANCE WITH ASTM D-2321.

  3. ALL SANITARY SEWER MAINS AND LATERALS WITH IN THE R.O.W. SHALL HAVE A MINIMUM OF 36 INCHES OF COVER.
- 4. PRIOR TO COMMENCING WORK WHICH REQUIRES CONNECTING NEW WORK TO EXISTING LINES OR APPURTENANCES, THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF EXISTING CONNECTION POINT AND NOTIFY OWNER'S ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
- ALL SANITARY SEWER COVERS SHALL BE TRAFFIC RATED FOR H-20 LOADING.
   THE CONTRACTOR SHALL PROVIDE CERTIFIED UTILITY RECORD DRAWINGS, SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR. THE RECORD DRAWINGS SHALL SHOW FINAL GRADES AND LOCATIONS ON ALL SANITARY SEWER MAINS AND SERVICES. THE CONTRACTOR SHALL PROVIDE ONE (1) COPY

7. THE CONTRACTOR SHALL PERFORM AN INFILTRATION/EXFILTRATION TEST ON

OF THE CERTIFIED RECORD DRAWINGS TO THE ENGINEER.

OF ALL PARTIES IS THE CONTRACTOR'S RESPONSIBILITY.

JURISDICTION. SAID TESTS ARE TO BE CERTIFIED BY THE TESTING COMPANY. COORDINATION AND NOTIFICATION OF ALL PARTIES IS THE CONTRACTOR'S RESPONSIBILITY.

8. ALL FORCEMAINS SHALL BE SUBJECT TO A HYDROSTATIC PRESSURE TEST IN ACCORDANCE WITH THE REGULATORY AGENCY HAVING JURISDICTION. SAID TESTS ARE TO BE CERTIFIED BY THE ENGINEER OF RECORD AND SUBMITTED

THE REGULATORY AGENCY FOR APPROVAL. COORDINATION AND NOTIFICATION

ALL GRAVITY SEWER IN ACCORDANCE WITH THE REGULATION AGENCY HAVING

#### SEC. K WATER DISTRIBUTION:

- ALL WATER DISTRIBUTION SYSTEM RELATED ITEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LOCAL UTILITIES PROVIDER REQUIREMENTS, FLORIDA DEPT. OF ENVIRONMENTAL PROTECTION, AND HEALTH DEPT. REQUIREMENTS.
- ALL MATERIALS FURNISHED BY THE CONTRACTOR UNDER THIS SECTION
- SHALL BE NEW, HIGH GRADE AND FREE FROM DEFECTS.

  3. PRESSURE AND LEAKAGE TESTS FOR NEWLY—INSTALLED WATER DISTRIBUTION SYSTEM PRESSURE PIPES AND APPURTENANCES SHALL BE PERFORMED
- IN CONFORMANCE WITH F.D.E.P AND LOCAL UTILITIES PROVIDER.

  4. ALL WATER LINES SHALL BE INSTALLED IN A DRY TRENCH.
- 5. PRESSURE AND LEAKAGE TESTS FOR NEWLY—INSTALLED WATER DISTRIBUTION SYSTEM PRESSURE PIPES AND APPURTENANCES SHALL BE PERFORMED IN CONFORMANCE WITH CITY, COUNTY AND FDOT STANDARDS. POTABLE WATER TEST PRESSURES SHALL BE 150 PSI; DURATION OF TESTS IS TO BE 2 HOURS. TESTS TO BE CONDUCTED PURSUANT TO AWWA C605 DUCTILE IRON PIPE AND 90% OF THAT ALLOWABLE LEAKAGE FOR PVC PIPE.
- DISINFECT POTABLE WATER MAINS IN ACCORDANCE WITH AWWA C651 STANDARD PROCEDURES FOR DISINFECTING WATER MAINS.
- STANDARD PROCEDURES FOR DISINFECTING WATER MAINS.

  7. ALL PVC PIPE MUST BEAR THE NSF LOGO FOR POTABLE WATER USE.
- 8. PRIOR TO THE CONNECTION TO ANY EXISTING MAIN, THE PROPOSED WATER MAIN SHALL BE DISINFECTED, HAVE ENGINEER APPROVED PRESSURE TESTING AND HAVE FDEP CLEARANCE. REFER TO FDEP PERMIT FOR ANY ADDITIONAL PROJUBEMENTS.
- 9. THE WATERMAINS SHALL BE INSTALLED AS NOTED ON THE PLANS. WHERE APPLICABLE, A SEPARATION BETWEEN WATERMAINS, SEWER, RE-USE OR STORM PIPES SHALL MEET OR EXCEED THE REQUIREMENTS OF F.D.E.P.

#### LEGEND

PROPERTY LINE

LOT LINE

PROPOSED BUILDING

---- SETBACK LINE

WATER SURFACE

PROPOSED EDGE OF PAVEMENT (EOP)

PROPOSED 6"X16" CONC. CURB

PROPOSED TYPE F CURB

PROPOSED ASPHALT PAVEMENT

PROPOSED GRAVEL/SHELL PAVEMENT

SANITARY SEWER MAIN

PROPOSED 24" MAIMI CURB

PROPOSED CONCRETE PAVING

SANITARY MANHOLE

POTABLE WATER MAIN

SINGLE WATER SERVICE

DOUBLE WATER SERVICE

STORM RUNOFF DIRECTION

STORM DRAINAGE PIPE

TEMPERARY SILT FENCE

O0.00 PROPOSED FINISHED GRADE

■ PROPOSED FDOT TYPE C INLET

PROPOSED FDOT TYPE D INLET

CURB INLET TYPE P-1

CURB INLET TYPE P-2

CURB INLET TYPE P-3

CURB INLET TYPE P-4

STORM JUNCTION BOX

CONTROL STRUCTURE

CONCRETE FLUME W/ RUBBLE RIP RAP

WINGED CONCRETE ENDWALL

PROPOSED STOP SIGN

PROPOSED HANDICAPED SPACE

VIL 03.08.18 current

CO. 12.19.17 forth edition
11.02.17 third edition
07.31.17 second edition
06.08.17 current edition
DATE REVISIONS

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GENERAL NOTES

project no. 15100

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