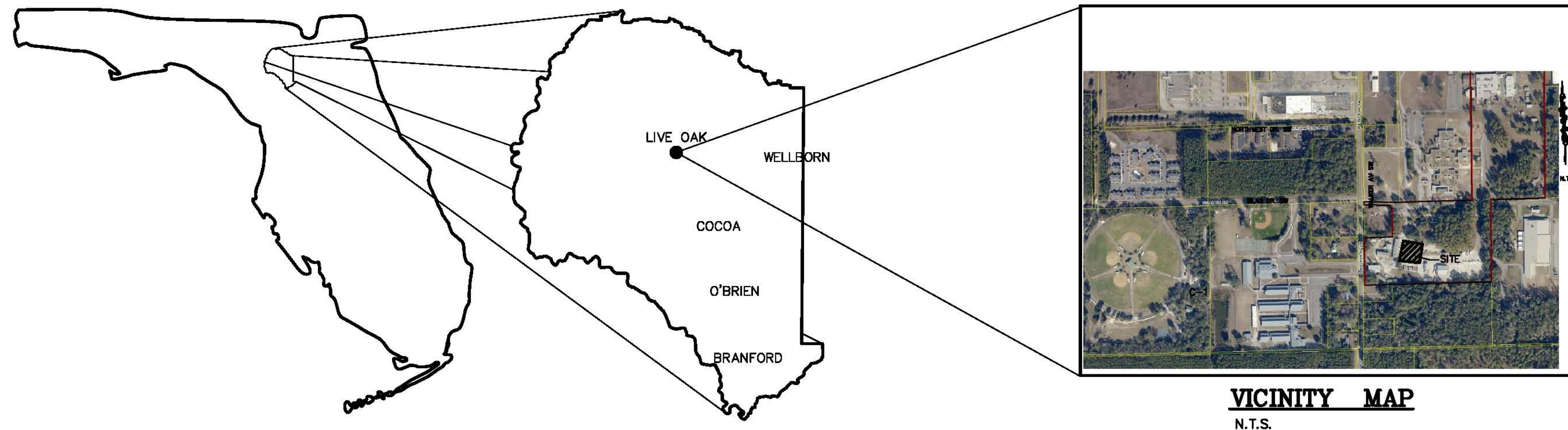


S.C.S.B. TRANSPORTATION BUILDING

LIVE OAK, SUWANNEE COUNTY, FLORIDA



PAVING AND DRAINAGE NOTES:

- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO **FLORIDA DOT SPECIFICATIONS**.
- ALL CONCRETE PIPE UNDER PAVING WITH LESS THAN 24" COVER SHALL BE CLASS IV RCP.
 - WRAP ALL PIPE JOINTS PER FLORIDA DOT INDEX 280.
 - ROUND RCP PIPE SHALL HAVE BELL AND SPIGOT GASKET JOINTS.
 - MITER ENDS SHALL BE A 4:1 SLOPE, CONSTRUCTED PER F.D.O.T. SPECIFICATION
- ALL DISTURBED UNPAVED AREAS NOT OTHERWISE LANDSCAPED SHALL BE SEEDED & MULCHED U.N.O. AND WATERED TO ESTABLISH A HEALTHY STAND OF GRASS.
- ALL PAVED AREAS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DESIGNATED PAVING DETAILS.
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS (LOWEST TEST SINGLE CYLINDER).

SITE CONTRACTOR'S RESPONSIBILITIES:

- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, AND EQUIPMENT NECESSARY AND INCIDENTAL TO THE CONSTRUCTION. HE SHALL OBTAIN AND PAY FOR ALL PERMITS AND OFFICIAL INSPECTIONS REQUIRED BY THE UTILITY AUTHORITY AND OTHER OFFICIAL FEES IN CONNECTION WITH THE WORK. CONTRACTOR SHALL ARRANGE A PRE-CONSTRUCTION CONFERENCE WITH THE UTILITY AUTHORITY AS REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- SITE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN THE REQUIRED PERMITS FOR DEWATERING & SHALL BE RESPONSIBLE FOR MONITORING & CONTROLLING TURBIDITY FROM DEWATERING OR STORM WATER RUNOFF DURING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR CHECKING ACTUAL SITE CONDITIONS & SHALL FIELD VERIFY LOCATIONS, CONDITIONS, & SIZES OF ALL EXISTING WATER LINES, SEWER LINES, MANHOLES, WATER ROUTES, GAS & ELECTRIC LINES, TELEPHONE, CABLE, FIBER OPTIC, ETC, BEFORE STARTING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE TO COORDINATE BETWEEN CIVIL, MECHANICAL, ARCHITECTURAL, ELECTRICAL AND FIRE PROTECTION. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER DURING LAYOUT AND LONG BEFORE COMMENCING PLACEMENT.
- THE CONTRACTOR SHALL SUPPLY TO THE ENGINEER REPRODUCIBLE AS-BUILT DRAWINGS WITH THE FOLLOWING INFORMATION PREPARED BY A FLORIDA REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S OWN EXPENSE:

BUILDING STRUCTURES: LOCATION, DIMENSIONS, AND FINISHED FLOOR ELEVATION OF ALL BUILDING STRUCTURES.

STORM STRUCTURES: LOCATION, GRADE ELEV., RIM ELEV., INVERT ELEV., DISTANCES BETWEEN CENTERS OF ALL DRAINAGE STRUCTURES.

STORM PIPE: LOCATION, MATERIAL, SIZE, LENGTH, INVERTS, AND SLOPES OF ALL STORM DRAIN PIPES.

GRADING: PAVING ELEV. AT ALL POINTS SHOWN ON THE PLANS, BOTTOM AND PERIMETER LOCATIONS AND ELEVATIONS OF ALL RETENTION AREAS AND SWALES

SANITARY SEWER MANHOLE: LOCATION, RIM ELEV., INVERT ELEV., DISTANCE BETWEEN MANHOLES.

SANITARY SEWER PIPE: LOCATION @ 50' INTERVALS, MATERIAL, SIZE, LENGTH, INVERTS, & SLOPES OF ALL SANITARY SEWER PIPES AND CLEAN OUTS.

WATER LINES: SHOWN FROM POINT OF CONNECTION TO THE EXISTING MAIN. LOCATION OF NEW MAIN BETWEEN PROPERTY LINE OR EASEMENT LINES @ 50' INTERVALS, WATER MAIN MATERIALS & DISTANCE FROM STRUCTURES, DISTANCE FROM HYDRANT TO HYDRANT VALVE, PERTINENT EASEMENT INFORMATION, AT LEAST 2 TIES TO ALL UNDERGROUND FITTINGS & VALVES FROM PERMANENT POINTS.

NOTE: CERTIFICATION PLACED ON THE AS-BUILT DRAWING SHALL INCLUDE: BASIS OF HORIZONTAL AND VERTICAL CONTROL, STATEMENT THAT

DRAWINGS WERE CHECKED IN THE FIELD AND ARE A TRUE REPRESENTATION OF IMPROVEMENTS. THE DRAWINGS SHALL BEAR THE STATEMENT "AS-BUILT DRAWING". AS-BUILTS ARE TO BE CREATED FROM ACTUAL FIELD LOCATIONS OF THE NEWLY CONSTRUCTED SITE.

- CONTRACTOR SHALL CONTACT PROJECT ENGINEER TO INSPECT ALL RETENTION AREAS PRIOR TO SODDING.

- RETENTION AREAS: DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING ALL WET RETENTION AREAS ARE SECURED & TEMPORARILY FENCED AT ALL TIMES AND AT THE END OF EACH WORK DAY. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR WILL INSTALL A PERMANENT FENCE TO SECURE ALL WET RETENTION AREAS

TRENCH EXCAVATION:

WHERE TRENCH EXCAVATION EXCEEDS 5 FEET IN DEPTH, THE FOLLOWING SHALL BE REQUIRED.

- OSHA STANDARD 29 CFR, SECTION 1926.650 SUBPART P, ALSO NOW A PART OF LAWS OF FLORIDA CHAPTER 90-96.
- CONTRACTOR SHALL PROVIDE WRITTEN ASSURANCE OF COMPLIANCE WITH THIS LAW.
- A SEPARATE COST ITEM IDENTIFYING THE COST OF COMPLIANCE.
- A TRENCH SAFETY SYSTEM SHALL BE DESIGNED BY THE CONTRACTOR.

EXCAVATION:

ALL EXCAVATION SHALL BE DONE IN ACCORDANCE WITH THE FLORIDA TRENCH SAFETY ACT AND OSHA CODE OF REGULATION PART 1926 DATED JULY 1,1990 OR LATEST REVISION. A TRENCH SHALL BE OPENED SO THAT THE PIPE CAN BE INSTALLED TO THE ALIGNMENT AND DEPTH REQUIRED. IT SHALL BE EXCAVATED ONLY SO FAR IN ADVANCE OF PIPE LAYING AS NECESSARY. THE TRENCH SHALL BE EXCAVATED TO THE DEPTH REQUIRED SO AS TO PROVIDE A UNIFORM AND CONTINUOUS BEARING SUPPORT FOR THE PIPE ON UNDISTURBED GROUND. BELL HOLES SHALL BE PROVIDED AT EACH JOINT TO PERMIT JOINING TO BE MADE AND INSPECTED PROPERLY.

SHEETING AND BRACING:

OPEN CUT TRENCHES SHALL BE SHEETED AND BRACED AS REQUIRED BY FLORIDA TRENCH SAFETY ACT, OSHA CODE OF REGULATIONS PART 1926 DATED JULY 1990 OR LATEST REVISION AND MAY BE NECESSARY TO PROTECT LIFE, PROPERTY, OR THE WORK. TRENCH BRACING MAY BE REMOVED AFTER THE BACKFILLING HAS BEEN COMPLETED OR HAS BEEN BROUGHT UP TO SUCH AN ELEVATION AS TO PERMIT ITS SAFE REMOVAL. THE USE OF A TRENCHING BOX MAY BE USED IN PLACE OF SHEETING AND BRACING AS LONG AS SAID BOX IS IN COMPLIANCE WITH ABOVE REFERENCED OSHA CODE.

WATER DISTRIBUTION NOTES

NOTE: ALL WATER DISTRIBUTION CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF LIVE OAK TECHNICAL SPECIFICATIONS FOR CONSTRUCTION OF WATER DISTRIBUTION SYSTEMS (LATEST EDITION).

SANITARY SEWER

NOTE: ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF LIVE OAK UTILITY STANDARDS & SPECIFICATIONS FOR CONSTRUCTION OF SANITARY SEWER SYSTEMS (LATEST EDITION).

EARTHWORK

- REFER TO PROJECT GEOTECHNICAL REPORT ON ALL PROJECT EARTHWORK FILL & COMPACTION.
- REFER TO CITY OF LIVE OAK UTILITY TECHNICAL SPECIFICATIONS FOR UTILITY EARTHWORK.
- CONTRACTOR SHALL FENCE ALL EXCAVATED AREAS (RETENTION PONDS, DITCHES, TRENCHES, ETC.) UNTIL BACK FILLING TO GRADE OR PERMANENT FENCING IS INSTALLED.

NOTE

CONTRACTOR MUST CALL FOR UTILITY LOCATIONS 48 HOURS PRIOR TO CONSTRUCTION.

CONTRACTOR SHALL FIELD VERIFY LOCATION, SIZE, TYPE, ETC. OF ALL EXISTING STRUCTURES UTILITIES (ABOVE AND BELOW GROUND) AND ALL OTHER EXISTING CONDITIONS PRIOR TO CONSTRUCTION.

CONTACT:
SUNSHINE UTILITY LOCATES 1-800-432-4770
LIVE OAK UTILITIES 1-904-364-2276

CURB = = 24" STOP BAR
SETBACK LINE = = 30" STOP SIGN
EASEMENT LINE =
PROPERTY LINE =
DRAINAGE ARROW =
INLET =
EXISTING ELEV. = TO MATCH EXISTING
FINISH ELEV. = ME
= 24" STOP BAR
= 30" STOP SIGN
= SEWER CLEAN OUT
= GATE VALVE
= FIRE HYDRANT
= MANHOLE
= MITERED END
= WATER METER

LEGEND

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STEVEN W. MONROE PE #61778

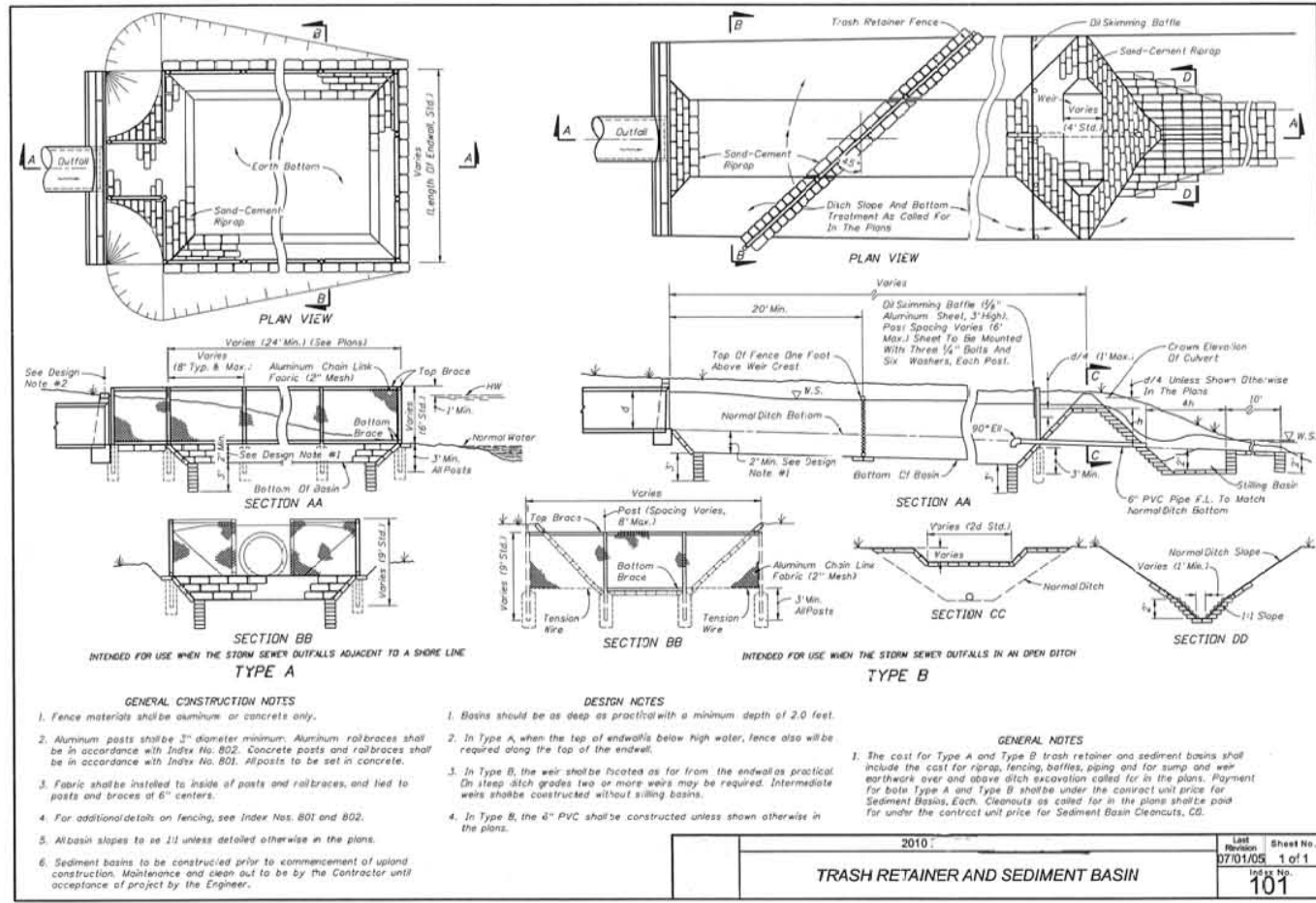
SIGNATURE
MAY 28, 2014
DATE

- C-0 COVER SHEET & NOTES
- C-1 EROSION & SEDIMENTATION PLAN/FDOT INDEX
- C-2 EXISTING OVERALL SITE
- C-3 SITE PLAN
- C-4 DRAINAGE, GRADING & UTILITIES PLAN
- C-5 DETAILS
- C-5A DETAILS & SECTIONS
- C-6 SURVEY

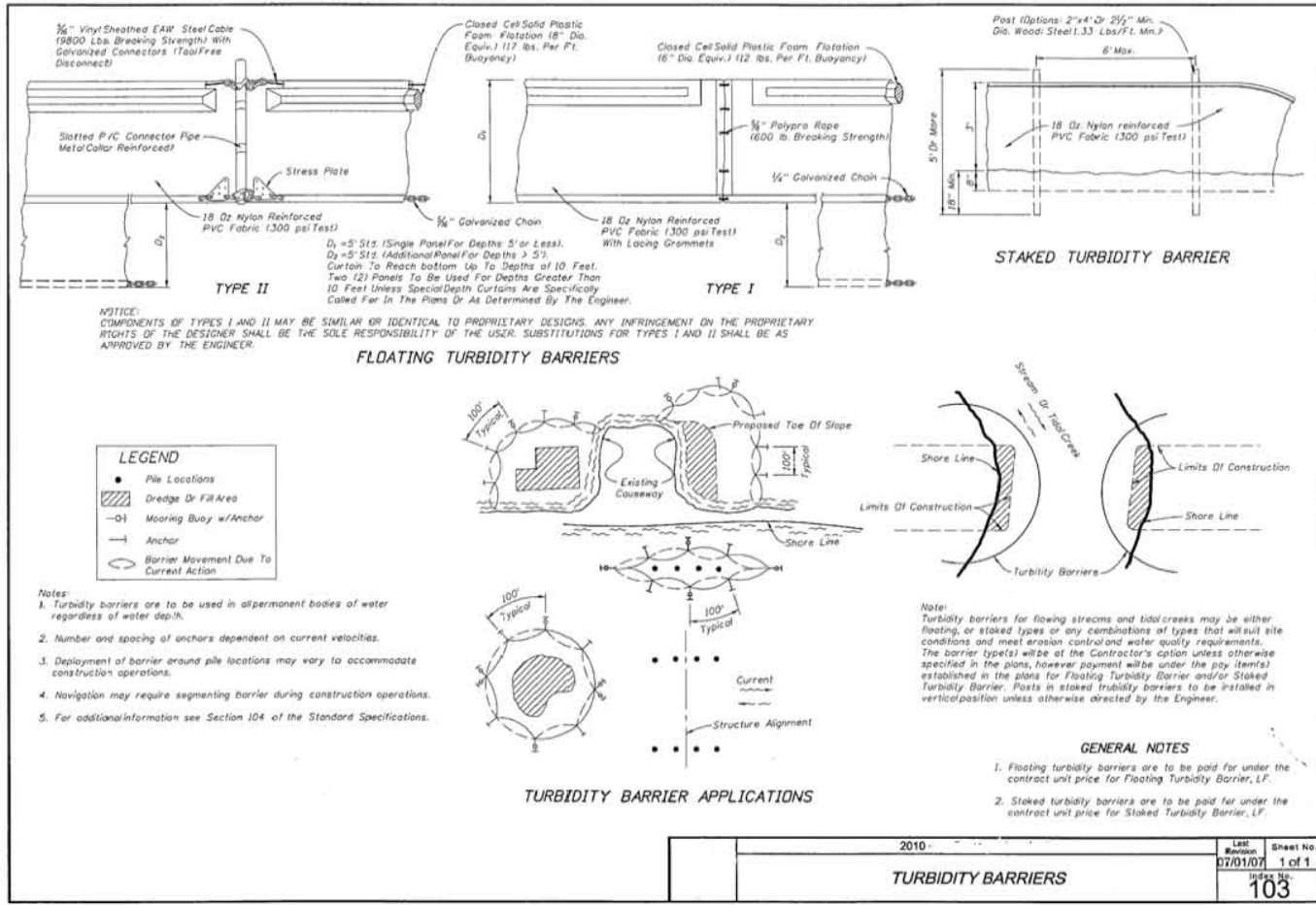
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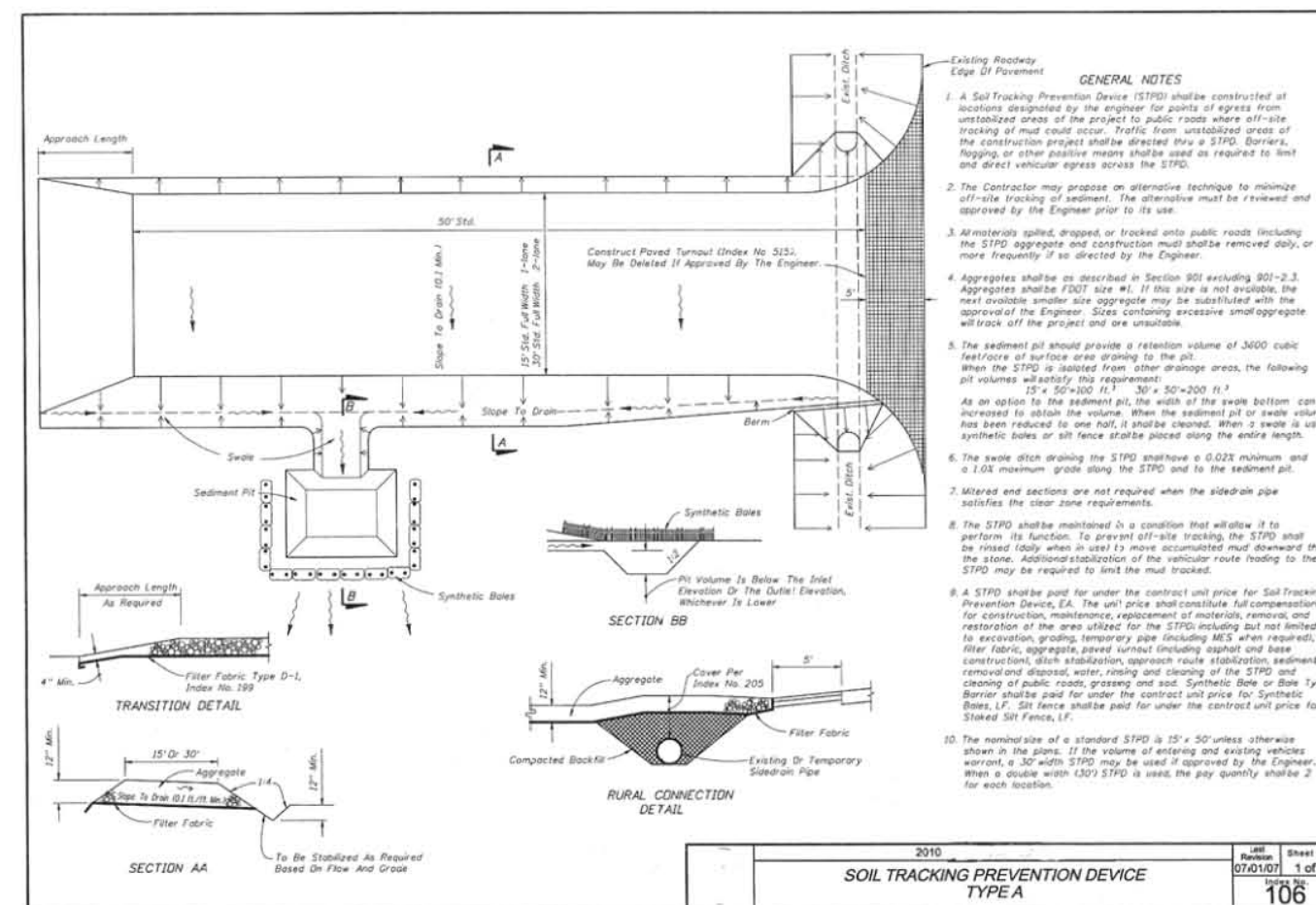
| PROJECT NAME: S.C.S.B. TRANSPORTATION BUILDING | | | | | | | | | |
|--|---------|-----------|---------------|-------------|------|----------|-------------|-----------------------|--|
| SHEET DESCRIPTION: COVER SHEET & NOTES | | | | | | | | | |
| DRAWING SCALE: N.T.S. | | | | | | | | | |
| ISSUE: 4-16-14 | | DRAWN: KB | | CHECKED: SM | | APPR: SM | | PROJECT NUMBER: 31402 | |
| REV. | DATE | BY | DESCRIPTION | REV. | DATE | BY | DESCRIPTION | SHEET 1 OF 8 | |
| 1 | 5/28/14 | SM | REV. PER SRWD | | | | | C-0 | |



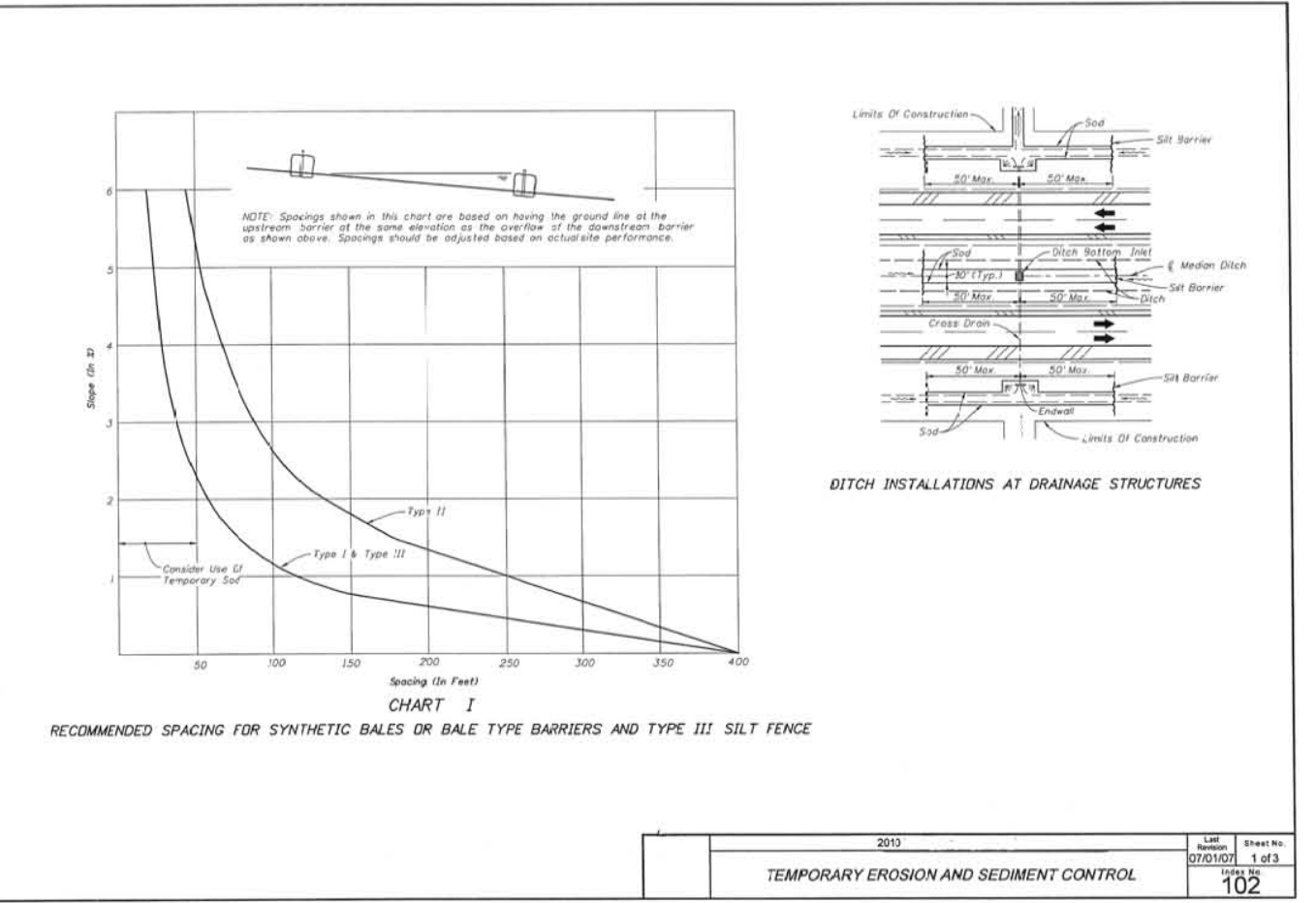
FDOT INDEX 101 PAGE 1 OF 1



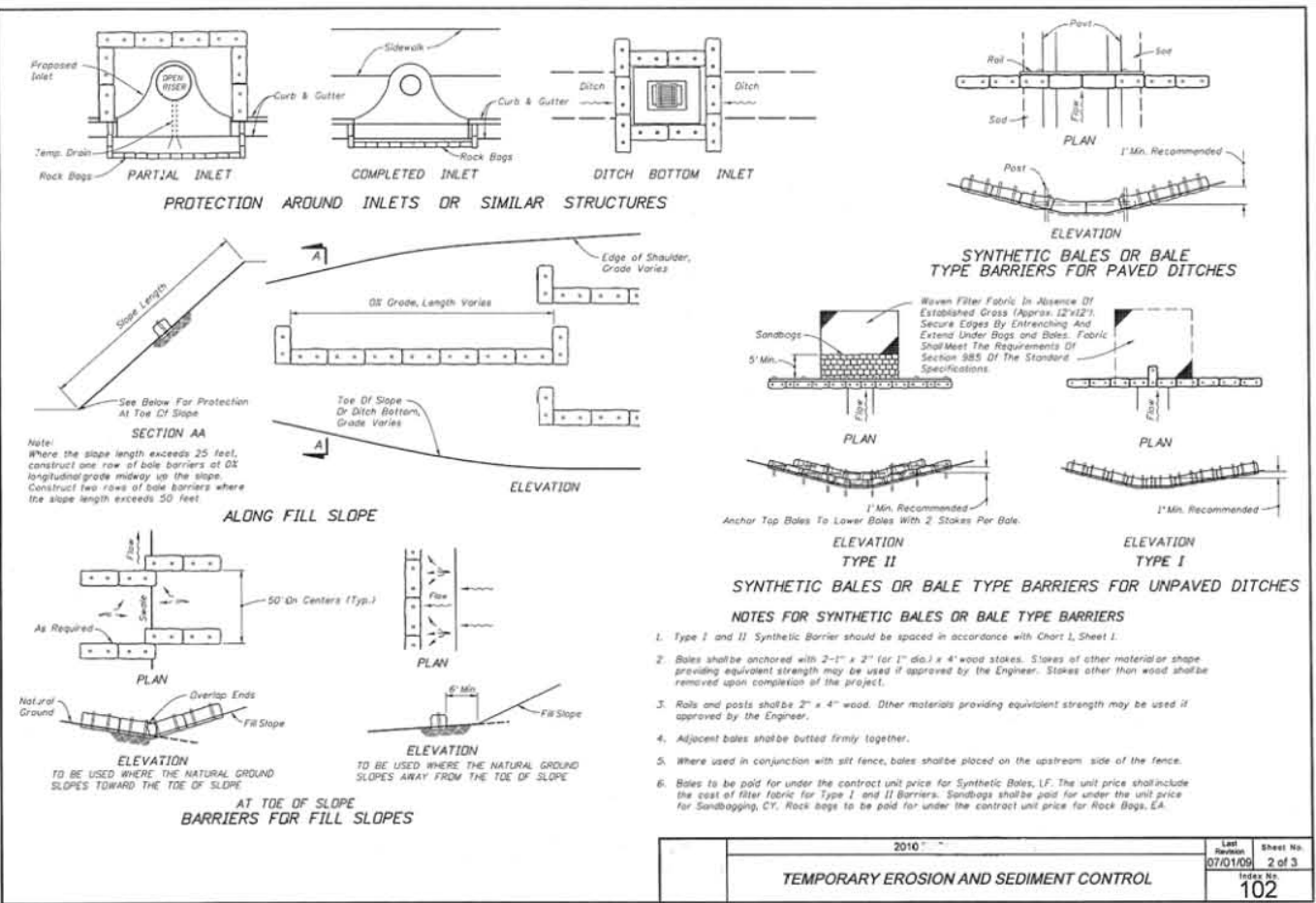
FDOT INDEX 103 PAGE 1 OF 1



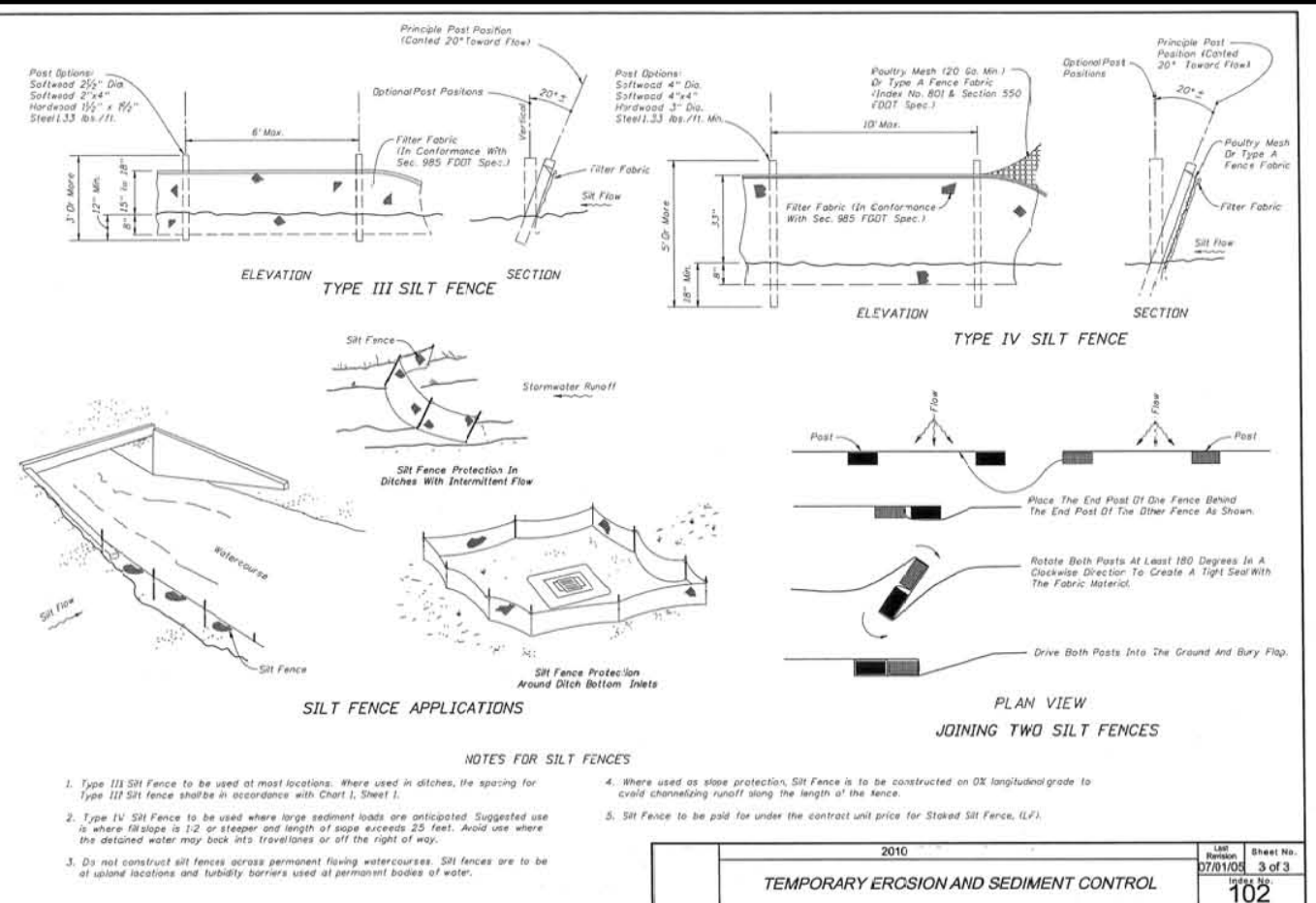
FDOT INDEX 106 PAGE 1 OF 1



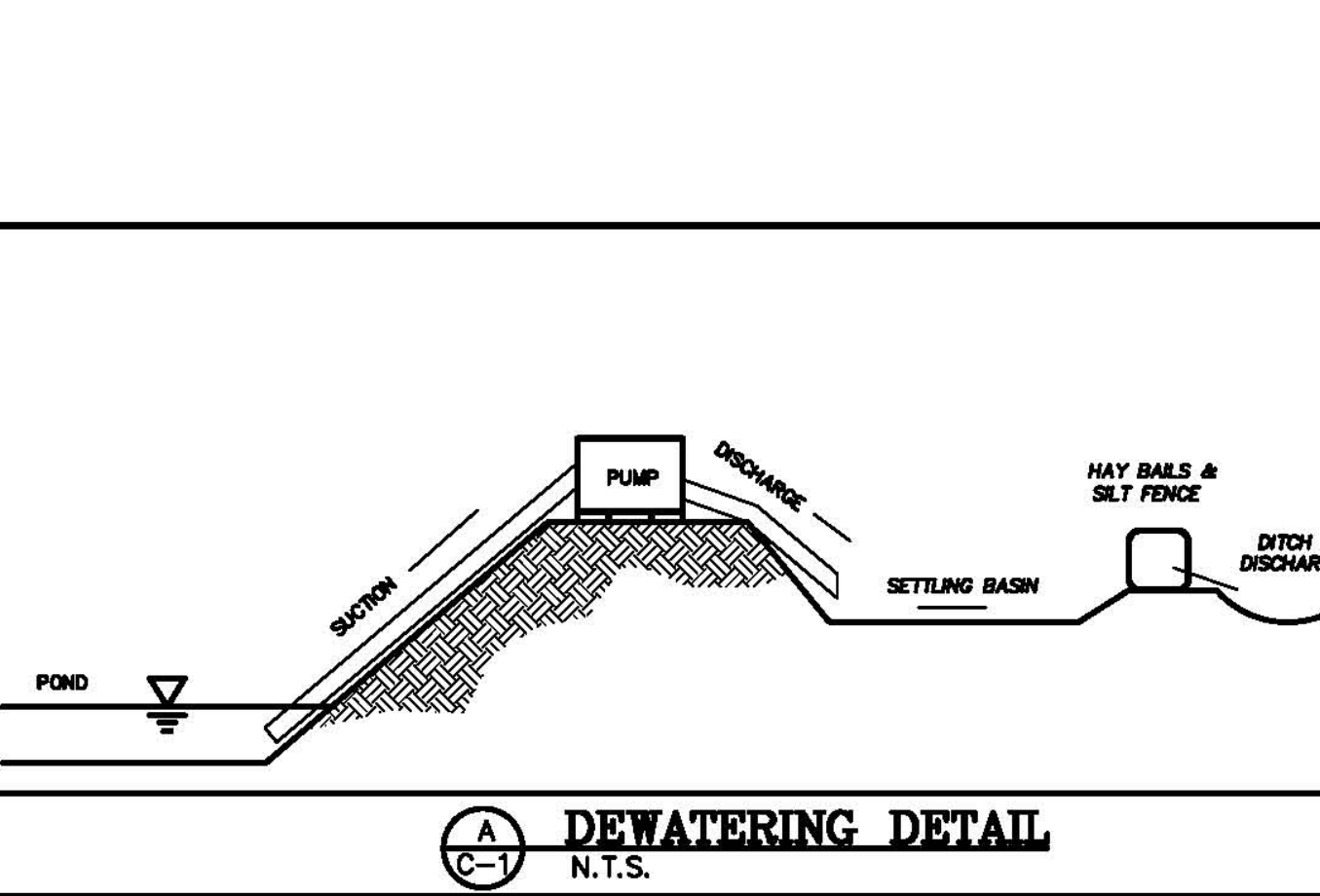
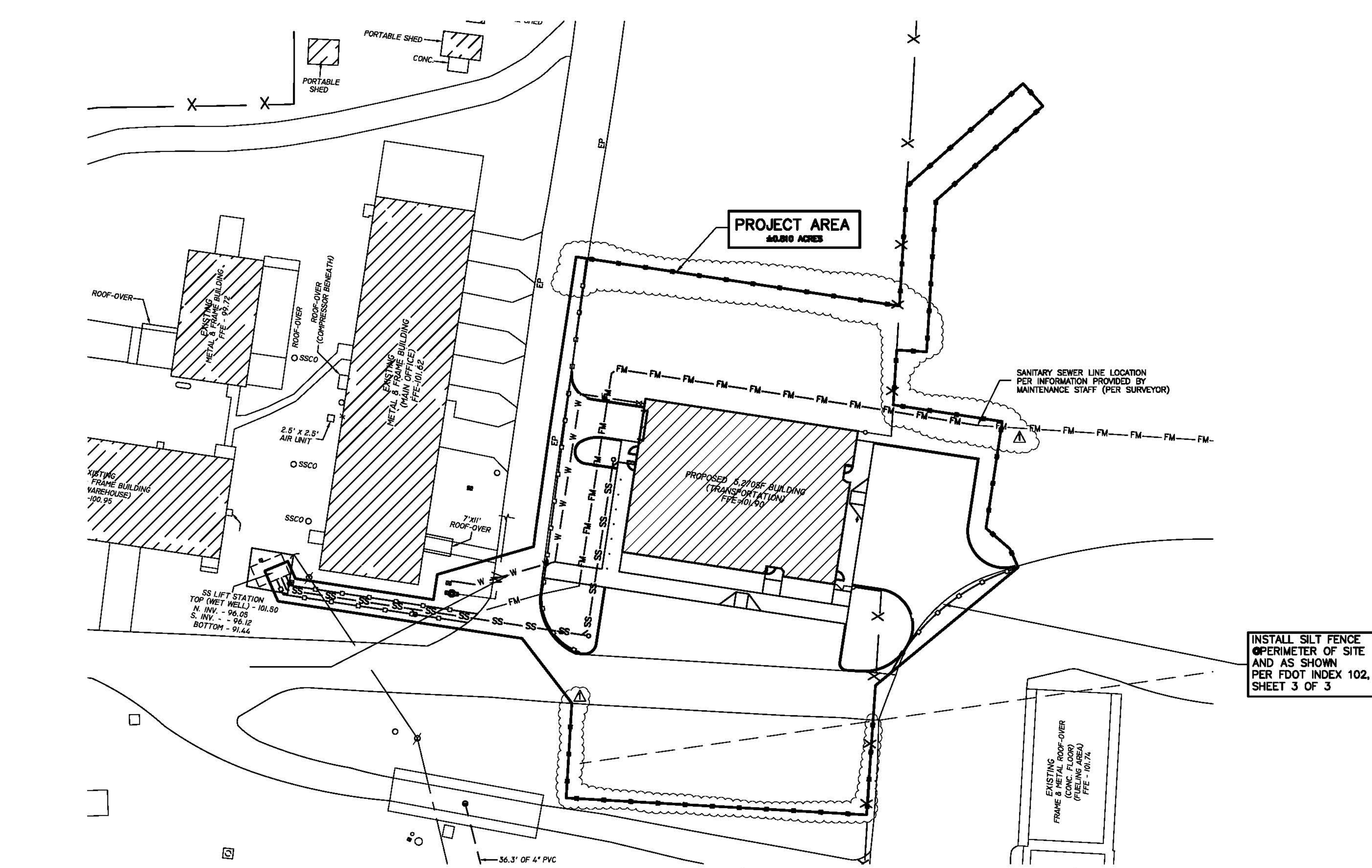
FDOT INDEX 102 PAGE 1 OF 3



FDOT INDEX 102 PAGE 2 OF 3



FDOT INDEX 102 PAGE 3 OF 3



NOTE
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CONTRACTOR SHALL FIELD VERIFY LOCATION, SIZE, TYPE, ETC. OF ALL EXISTING STRUCTURES UTILITIES (ABOVE AND BELOW GROUND) AND ALL OTHER EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
CONTACT:
SUNSHINE UTILITY LOCATES 1-800-432-4770
LIVE OAK UTILITIES 1-804-364-2278

LEGEND
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ENGINEERS CERTIFICATION
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STEVEN W. MONROE PE #61778
SIGNATURE _____ DATE MAY 28, 2014

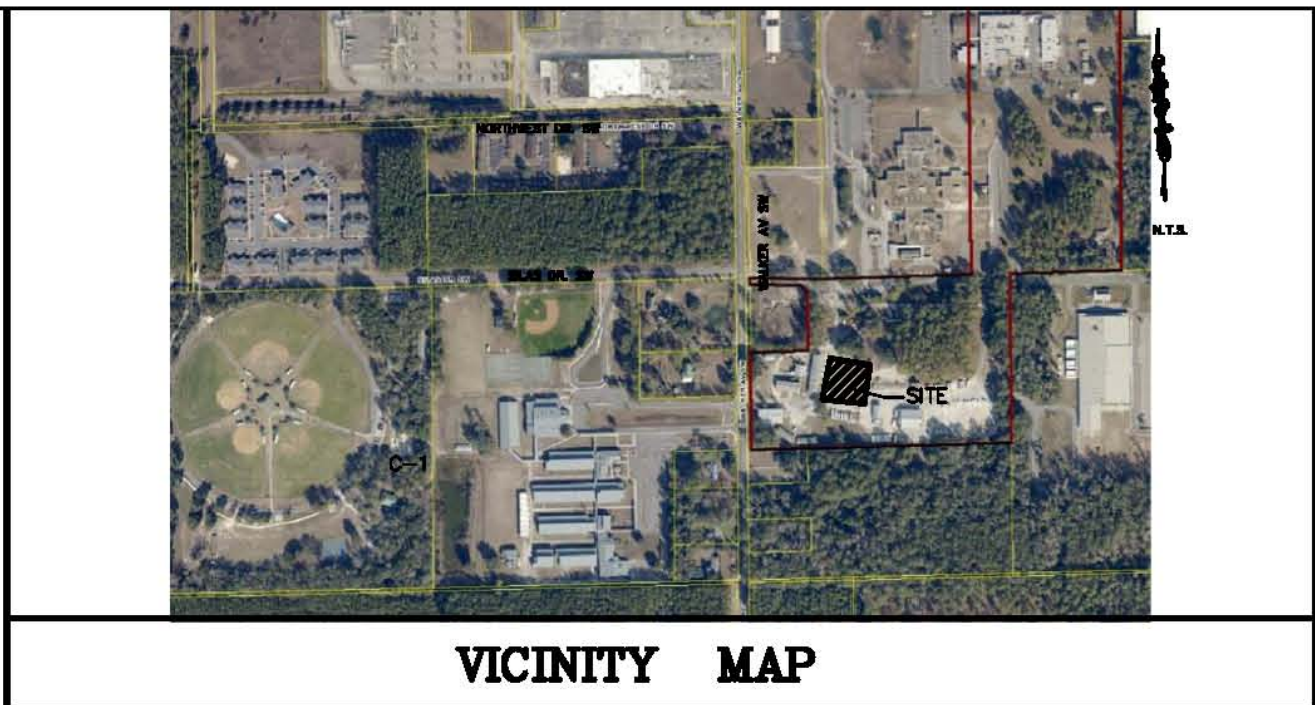
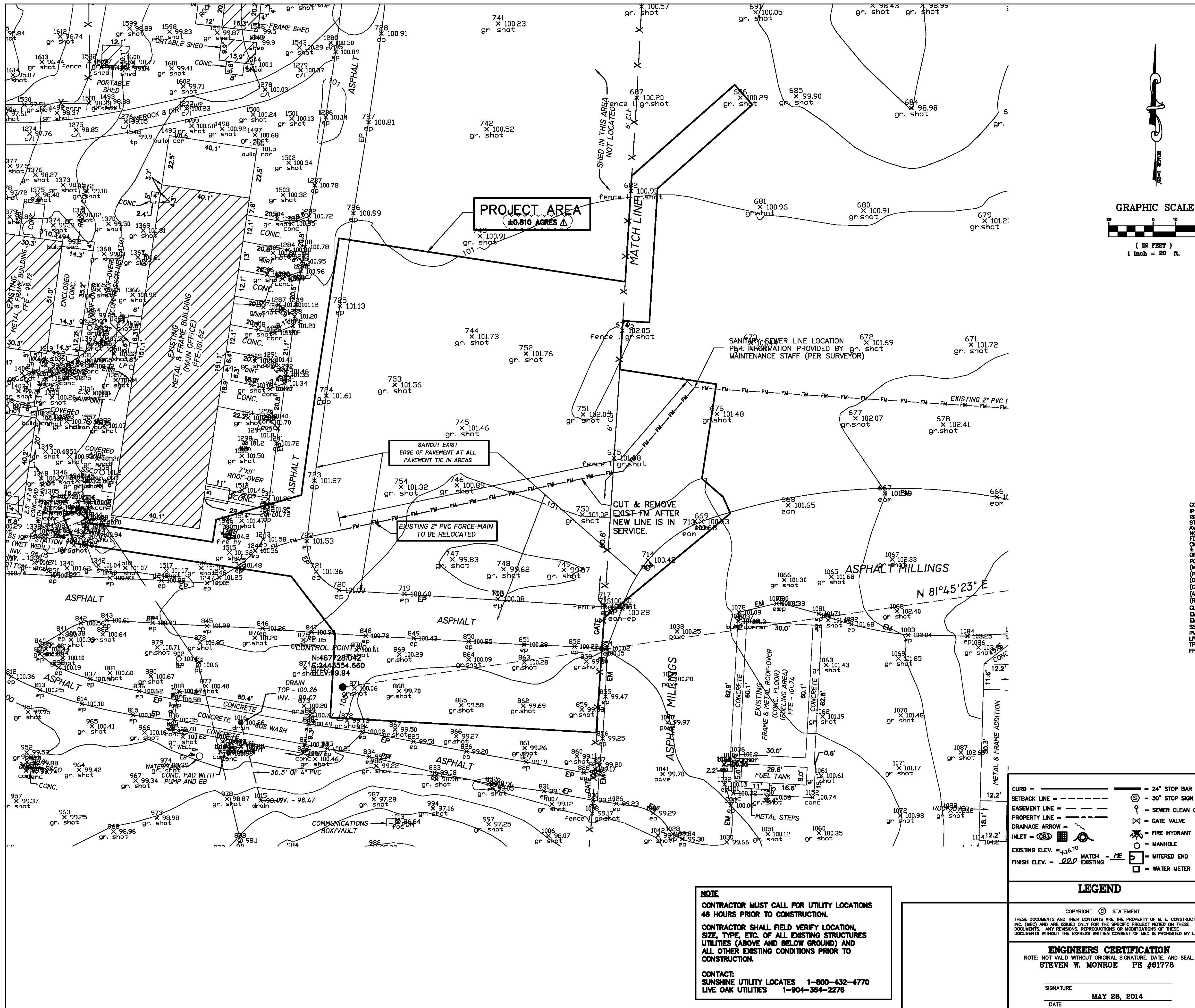
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Mid-Florida Engineering Consultants, dba
7607 Coral Drive, West Melbourne, FL 32904
(321)723-5961 Fax (321)651-1952 Eng.# 7219 Gen. Contr.# 2379
www.mecconstruction.com CGC 019528

PROJECT NAME: **S.C.S.B. TRANSPORTATION BUILDING**

SHEET DESCRIPTION: **EROSION & SEDIMENTATION PLAN** DRAWING SCALE: **1"=30'**

ISSUE: 4-16-14 DRAWN: KB CHECKED: SM APPR: SM
REV. DATE BY DESCRIPTION PROJECT NUMBER: **31402** SHEET 2 OF 8
A 5/28/14 SM REV. PER SWMM C-1



**SPECIAL PURPOSE SURVEY TO SHOW
EXISTING CONDITIONS AT THE
SUWANNEE COUNTY SCHOOL
MAINTENANCE COMPOUND
IN
THE SOUTHWEST 1/4 OF
SECTION 26
TOWNSHIP 02 SOUTH, RANGE 13 EAST
SUWANNEE COUNTY, FLORIDA.**

- LEGEND & NOTES**
- N467828.614
E2444235.040
ELEV98.33
- DENOTES 1/2" REBAR WITH CAP SET, STAMPED "OPS PT. L.B. # 7170".
 - SS-----SS-- DENOTES BURIED SANITARY SEWER FORCE-MAIN.
 - X-----X-----X DENOTES EXISTING FENCE HEIGHT VARIES.
 - 101-----101----- DENOTES CONTOUR LINE BASED ON NAVD88.
- 1) FENCE, ROAD AND OVERHEAD ELECTRIC DIMENSIONS
MAY NOT BE TO SCALE.
- 2) BEARINGS AND COORDINATES BASED ON NAD83 (CONTROL--
T4, RESET, SUWANNEE COUNTY, FLORIDA, ZONE: FLORIDA, NORTH).
- 3) CONTOURS AND ELEVATIONS BASED ON NAVD88 (CONTROL--
T4, RESET, SUWANNEE COUNTY, FLORIDA)
- 4) NO UNDERGROUND IMPROVEMENTS LOCATED BY THIS SURVEY.
EXCEPT AS SHOWN.
- 5) DISTANCES MEASURED IN U.S. FEET.

- ABBREVIATIONS**
- CONC. - CONCRETE
IP - IRON PIPE
REB. - REBAR
ST. - STREET
AVE. - AVENUE
NO ID - NO IDENTIFICATION
FM - FINISHED FLOOR ELEVATION
CM - CONCRETE MONUMENT
Z - MORE OR LESS
ORB - OFFICIAL RECORDS BOOK
PG - PAGE(S)
(M) - MEASURED
(C) - CALCULATED
(A) - ACTUAL
(R) - RECORD
CLF - CHAIN LINK FENCE
EM - EDGE OF MILLINGS
EMLR - EDGE OF MILLINGS AND LUMEROCK
SSCO - SANITARY SEWER CLEANOUT
PVC - POLYVINYLCHLORIDE
LP - LIGHT POLE
TP - TELEPHONE PEDESTAL
FFE - FINISHED FLOOR ELEVATION
- O/S - OFFSET
DOT - FLORIDA DEPARTMENT OF TRANSPORTATION
P.C. - POINT OF CURVATURE
P.T. - POINT OF TANGENCY
P.I. - POINT OF INTERSECTION
P.R.C. - POINT OF REVERSE CURVATURE
P.C.C. - POINT OF COMPOUND CURVATURE
R/W - RIGHT-OF-WAY
P.C.P. - PERMANENT CONTROL POINT
P.R.M. - PERMANENT REFERENCE MONUMENT
EP - EDGE OF PAVEMENT
EG - EDGE OF GRADE
C&G - CURB AND GUTTER
ST. MH - STORM MANHOLE
SS. MH - SANITARY SEWER MANHOLE
ELEV. - ELEVATION
B.M. - BENCHMARK
C - CENTERLINE
EMB - ELECTRIC METER BOX
EB - ELECTRIC BOX
FOM - FIBER OPTIC MARKER
CMES - CONCRETE MITERED SECTION

- TREE LEGEND:**
- ☼ = CABBAGE PALMS (10'-12')
- OTHER TREE SPECIES & SIZES ARE AS LABELED
- X = TBR = = TO BE REMOVED
- REL = = TO BE RELOCATED

- LEGEND**
- CURB = = 24" STOP BAR
- SETBACK LINE = = 30" STOP SIGN
- EASEMENT LINE = = SEWER CLEAN OUT
- PROPERTY LINE = = GATE VALVE
- DRAINAGE ARROW = = FIRE HYDRANT
- INLET = = MANHOLE
- EXISTING ELEV. = 100.70
- FINISH ELEV. = 100.70
- EXISTING = MATCH = MITERED END
- WATER METER

NOTE

CONTRACTOR MUST CALL FOR UTILITY LOCATIONS
48 HOURS PRIOR TO CONSTRUCTION.

CONTRACTOR SHALL FIELD VERIFY LOCATION,
SIZE, TYPE, ETC. OF ALL EXISTING STRUCTURES
UTILITIES (ABOVE AND BELOW GROUND) AND
ALL OTHER EXISTING CONDITIONS PRIOR TO
CONSTRUCTION.

CONTACT:
SUNSHINE UTILITY LOCATES 1-800-432-4770
LIVE OAK UTILITIES 1-804-384-2276

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SIGNATURE _____ DATE _____

STEVEN W. MONROE PE #61778

MAY 28, 2014

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DRAWINGS TO DEPICT EXISTING TOPOGRAPHY AND IMPROVEMENTS.

MEC
Mid-Florida Engineering Consultants, dba
7607 Coral Drive, West Melbourne, FL 32904
(321)725-5961 Fax (321)951-1852 Eng.# 7218 Gen. Contr.# 2379
www.mecconstruction.com C/C# 019528

PROJECT NAME: **S.C.S.B. TRANSPORTATION BUILDING**

SHEET DESCRIPTION: **EXISTING SITE & DEMO PLAN** DRAWING SCALE: **1"=40'**

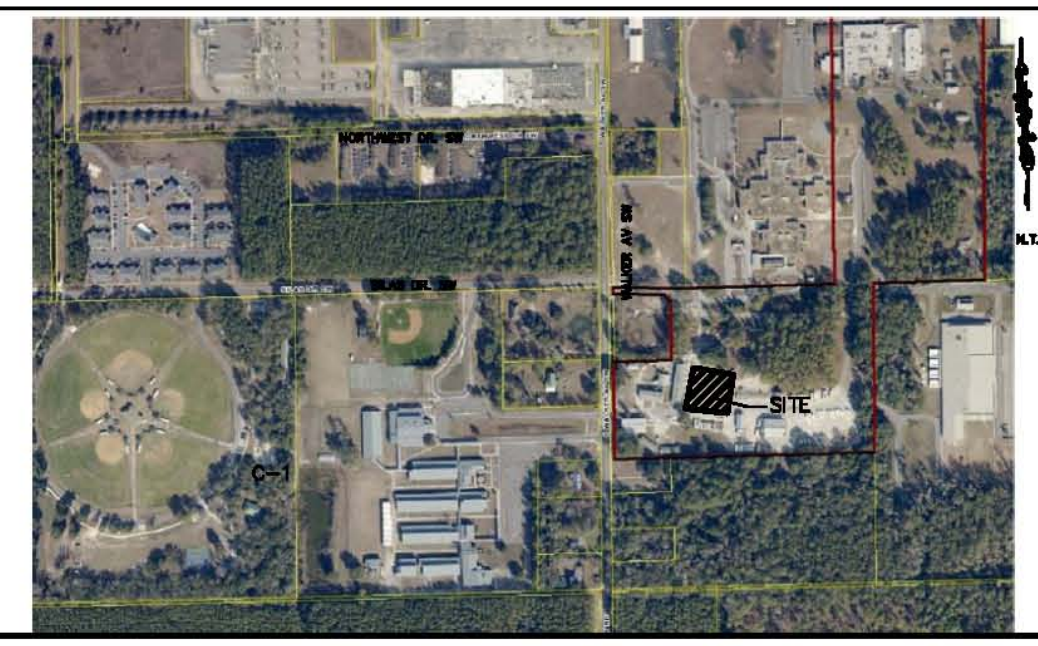
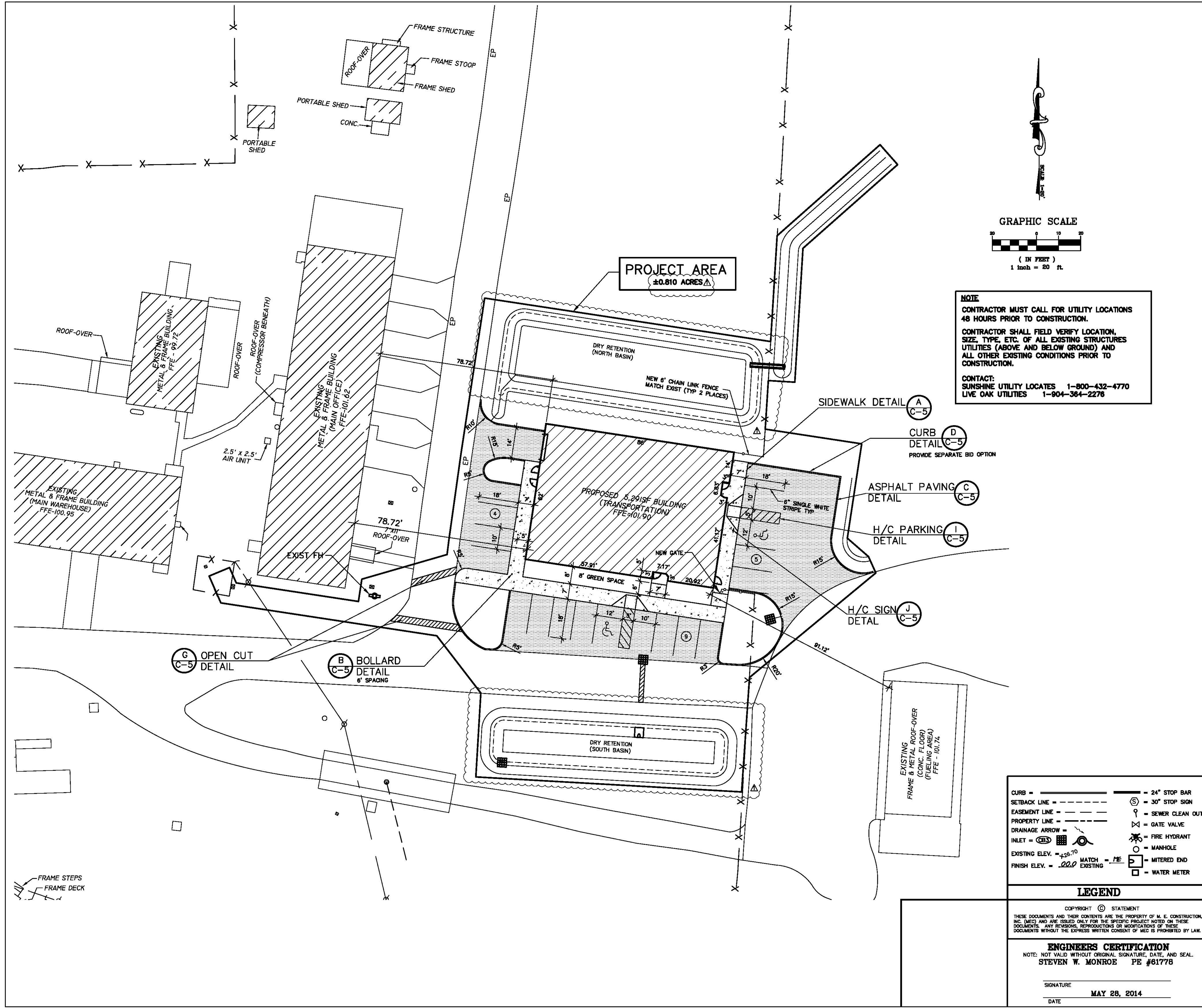
ISSUE: 4-18-14

| REV. | DATE | BY | DESCRIPTION |
|------|---------|----|----------------|
| 1 | 5/28/14 | SM | REV. PER SRMMD |

PROJECT NUMBER: **31402** SHEET 3 OF 3

DRAWN: KB CHECKED: SM APPR: SM

C-2



VICINITY MAP

GENERAL STATEMENT: CONSTRUCT A NEW 5,270SF (1) STORY TRANSPORTATION BUILDING WITH ASSOCIATED PARKING & PAVING. CONNECT NEW BUILDING TO EXISTING UTILITIES.

OWNER: SUWANNEE CO. SCHOOL BOARD
702 2nd STREET N.W.
LIVE OAK, FLORIDA 32060
PHONE: (386) 364-2801
FAX: (386) 364-2835

ARCHITECT: ARCHITECT RZK,
861 BREVARD AVENUE
CORAL GABLES, FL 33134
PHONE: (305) 361-8039
FAX: (305) 361-8872
CONTACT: MR. JOHN ZWICK

ENGINEER: MID-FLORIDA ENGINEERING
CONSULTANTS
7807 CORAL DRIVE
WEST MELBOURNE, FL 32904
PHONE: (321) 723-5861
FAX: (321) 951-1952
CONTACT: MR. STEVEN W. MONROE, P.E.

PROPOSED CONSTRUCTION TYPE: TYPE IIB ORDINARY CONSTRUCTION, UNPROTECTED, UNSPRINKLED, PRE-ENGINEERED METAL BUILDING.

ESTIMATED COMPLETION DATE: SUMMER/FALL 2014

| Project Area: | (sf) | (acres) |
|---------------|--------|---------|
| Project Area | 35,274 | 0.810 |
| Total | 35,274 | 0.810 |

| Existing Impervious Areas: (to be removed) | (sf) | (acres) | (%) |
|--|------|---------|-----|
| Buildings | 0 | 0.000 | 0.0 |
| Paving | 0 | 0.000 | 0.0 |
| Sidewalks | 0 | 0.000 | 0.0 |
| Future | 0 | 0.000 | 0.0 |
| Total Impervious | 0 | 0.000 | 0.0 |

| Proposed Impervious Areas: | (sf) | (acres) | (%) |
|----------------------------|--------|---------|------|
| Buildings | 5,291 | 0.121 | 15.0 |
| Paving | 6,550 | 0.150 | 18.6 |
| Sidewalks | 1,786 | 0.041 | 5.1 |
| Future | 0 | 0.000 | 0.0 |
| Total Impervious | 13,627 | 0.313 | 38.6 |

| Pervious Areas: | (sf) | (acres) | (%) |
|-----------------|--------|---------|------|
| | 21,647 | 0.497 | 61.4 |

- NOTES:**
1. CITY OF LIVE OAK UTILITY CONNECTION AUTHORIZATION REQUIRED FOR WATER & SEWER.
 2. SUWANNEE RIVER WATER MANAGEMENT DISTRICT STORMWATER PERMIT REQUIRED.
 3. ALL SIDE SLOPES GREATER THAN 4:1 SHALL BE SODDED.
 4. WATER FOR FIRE FIGHTING PURPOSES SHALL BE AVAILABLE PRIOR TO COMBUSTIBLES BEING BROUGHT ON SITE.
 5. LANDSCAPING (OR ANY OBSTRUCTION) SHALL NOT BE LOCATED WITHIN 7.5 FEET OF FRONT OR SIDE & 4 FEET TO REAR OF ANY FIRE HYDRANT AND/OR FIRE DEPARTMENT CONNECTION.
 6. ALL DIMENSIONS SHOWN ARE TO FACE OF CURB.
 7. PROJECT IS NOT A PRE-K THROUGH GRADE FIVE FACILITY.

FIRE FLOW CALCULATION:

TOTAL FLOOR AREA = 5,291 SF
CONSTRUCTION TYPE = NON-COMBUSTIBLE, C = 0.8
BASE GPM REQUIRED:
 $F = 18C\sqrt{A}$ $F = 18(0.8)\sqrt{5,291} = 1,047$ GPM
OCCUPANCY CLASSIFICATION = LIGHT (-15%), GROUP "B"
SUBTOTAL = 890 GPM
HAZARD CHARGE:
EXPOSURE DISTANCES: NORTH = N/A
EAST = 61'-100' +10%
SOUTH = N/A
WEST = 61'-100' +10%
TOTAL = 20%
SUBTOTAL 890 GPM x (1.20) = 1,068 GPM TOTAL REQUIRED

NUMBER OF HYDRANTS REQUIRED = 1
NUMBER OF EXISTING HYDRANTS AVAILABLE = 1
NUMBER OF HYDRANTS PROPOSED = 0

FIRE FLOW CALCULATIONS

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| | |
|-------------------------|-----------------|
| CURB = | 24" STOP BAR |
| SETBACK LINE = | 30" STOP SIGN |
| EASEMENT LINE = | SEWER CLEAN OUT |
| PROPERTY LINE = | GATE VALVE |
| DRAINAGE ARROW = | FIRE HYDRANT |
| INLET = | MANHOLE |
| EXISTING ELEV. = 426.70 | MITERED END |
| FINISH ELEV. = 426.70 | WATER METER |

LEGEND

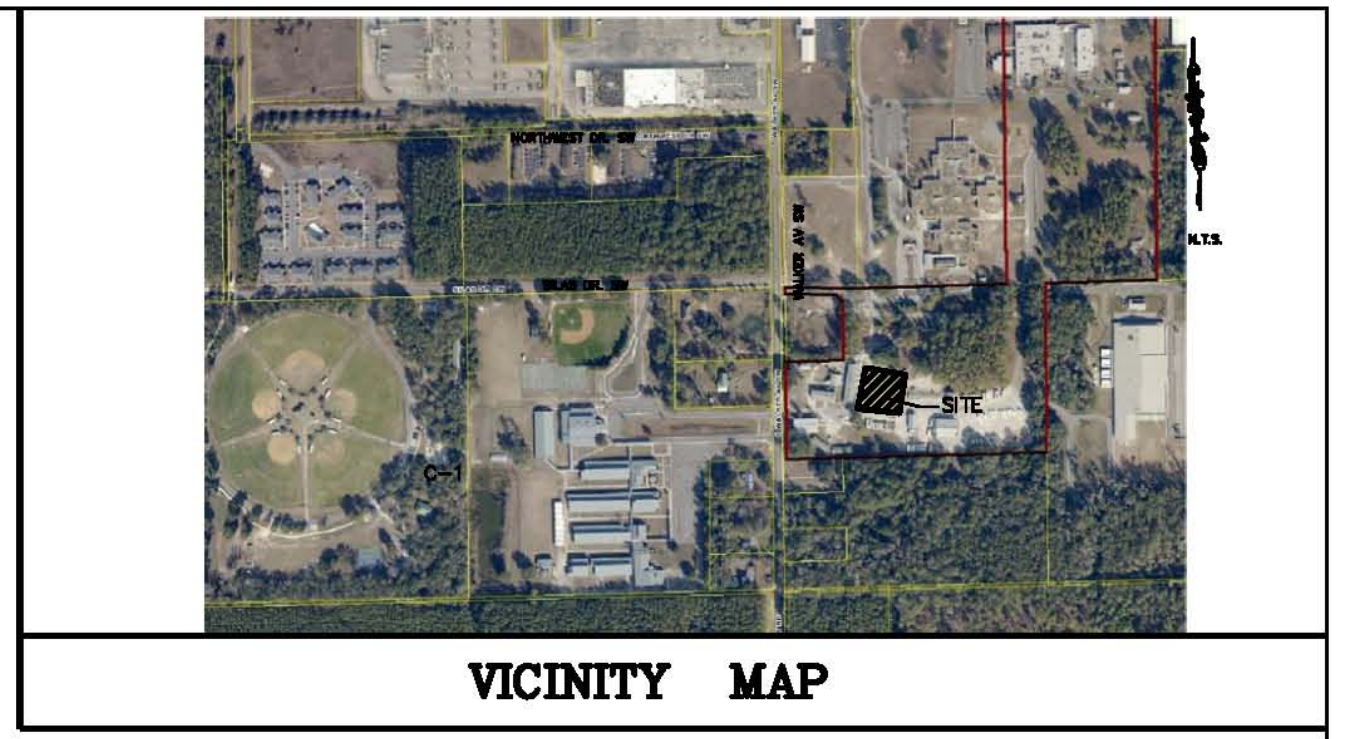
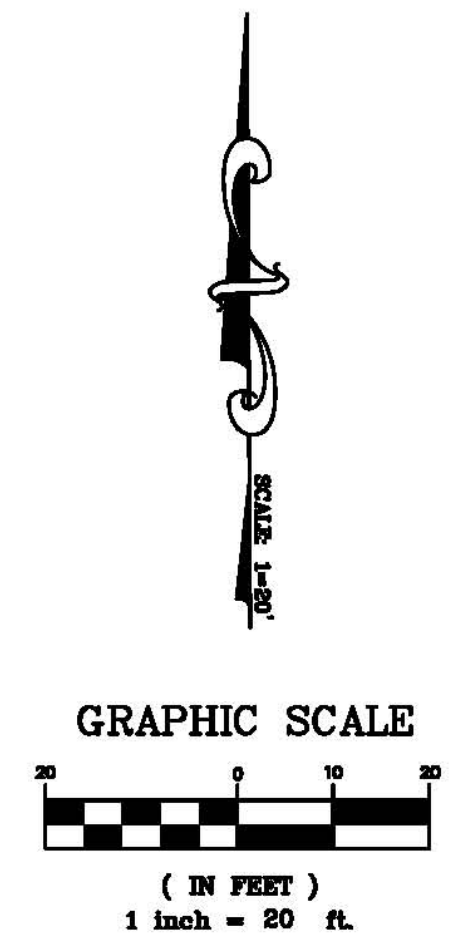
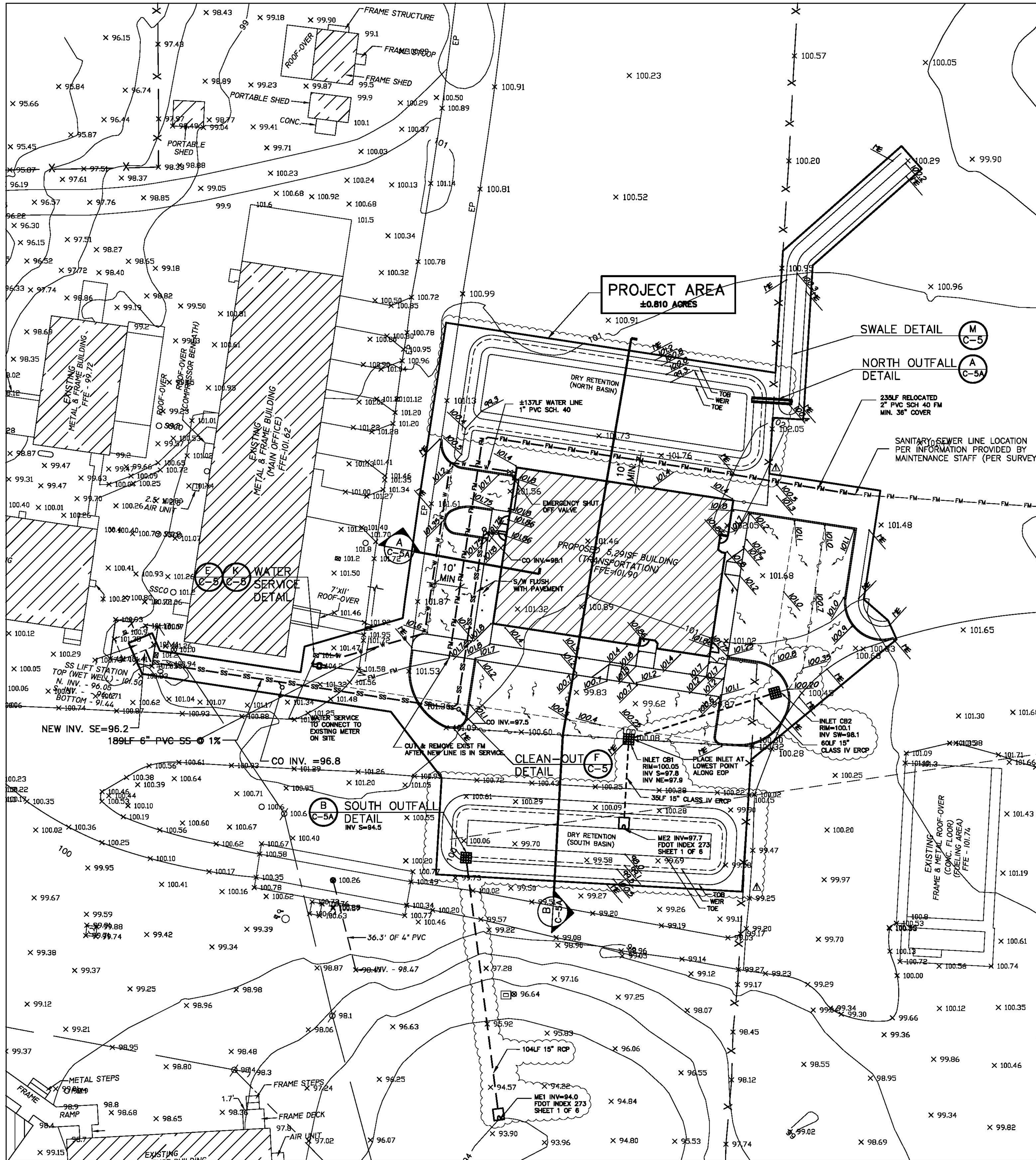
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STEVEN W. MONROE PE #61778

SIGNATURE
DATE
MAY 28, 2014

| PROJECT NAME: S.C.S.B. TRANSPORTATION BUILDING | | | |
|--|--------------------------|--------------|-------------|
| SHEET DESCRIPTION: SITE PLAN | | | |
| DRAWING SCALE: 1"=20' | | | |
| ISSUE: 4-16-14 | REV. DATE BY DESCRIPTION | DRAWN: KB | CHECKED: SM |
| REV. DATE BY DESCRIPTION | PROJECT NUMBER: 31402 | SHEET 4 OF 8 | |
| REV. DATE BY DESCRIPTION | REV. PER SRWD | C-3 | |



NORTH BASIN:

Post Condition Area (North Basin / draining to north pond):

| | (sf) | (acres) |
|-------|--------|---------|
| Basin | 14,147 | 0.325 |
| Total | 14,147 | 0.325 |

Proposed Impervious Areas (Treatment Volume):

| | (sf) | (acres) | (%) |
|------------------|-------|---------|------|
| Buildings | 5,291 | 0.121 | 37.4 |
| Paving | 1,533 | 0.035 | 10.8 |
| Sidewalks | 366 | 0.008 | 2.6 |
| future | 0 | 0.000 | 0.0 |
| Total Impervious | 7,190 | 0.165 | 50.8 |

Pervious Areas:

| | | |
|-------|-------|------|
| 6,957 | 0.160 | 49.2 |
|-------|-------|------|

Retention Stage Storage:

| | Elev. (ft) | Area (sf) | (acres) | 'Inc. Volume (cf) | (ac-ft) | 'Storage Volume (cf) | (ac-ft) | DCIA |
|------|------------|-----------|---------|-------------------|---------|----------------------|---------|----------|
| TOB | 101.2 | 4,519 | 0.104 | 1,701 | 0.039 | 6,421 | 0.147 | 31.9 |
| WEIR | 100.8 | 3,985 | 0.091 | 2,823 | 0.065 | 4,720 | 0.108 | Provided |
| TOE | 100.0 | 3,073 | 0.071 | 1,897 | 0.044 | 1,897 | 0.044 | |
| | 99.3 | 2,347 | 0.054 | 0 | 0.000 | 0 | 0.000 | |

Treatment Volume Required

| (cf) | (ac-ft) |
|-------|---------|
| 1,338 | 0.031 |
| 4,720 | 0.108 |

Required
Provided

SOUTH BASIN:

Post Condition Area (South Basin / draining to south pond):

| | (sf) | (acres) |
|-------|--------|---------|
| Basin | 17,152 | 0.394 |
| Total | 17,152 | 0.394 |

Proposed Impervious Areas (Treatment Volume):

| | (sf) | (acres) | (%) |
|------------------|-------|---------|------|
| Buildings | 0 | 0.000 | 0.0 |
| Paving | 5,017 | 0.115 | 29.3 |
| Sidewalks | 1,420 | 0.033 | 8.3 |
| future | 0 | 0.000 | 0.0 |
| Total Impervious | 6,437 | 0.148 | 37.5 |

Pervious Areas:

| | | |
|--------|-------|------|
| 10,715 | 0.246 | 62.5 |
|--------|-------|------|

Retention Stage Storage:

| | Elev. (ft) | Area (sf) | (acres) | 'Inc. Volume (cf) | (ac-ft) | 'Storage Volume (cf) | (ac-ft) | DCIA |
|------|------------|-----------|---------|-------------------|---------|----------------------|---------|----------|
| TOB | 100.5 | 3,382 | 0.078 | 2,859 | 0.066 | 5,312 | 0.122 | 19.7 |
| WEIR | 99.5 | 2,336 | 0.054 | 856 | 0.020 | 2,453 | 0.056 | |
| TOE | 99.1 | 1,946 | 0.045 | 1,596 | 0.037 | 1,596 | 0.037 | Provided |
| | 98.0 | 956 | 0.022 | 0 | 0.000 | 0 | 0.000 | |

Treatment Volume Required

| (cf) | (ac-ft) |
|-------|---------|
| 1,385 | 0.032 |
| 1,596 | 0.037 |

Required
Provided

NOTE
CONTRACTOR MUST CALL FOR UTILITY LOCATIONS 48 HOURS PRIOR TO CONSTRUCTION.
CONTRACTOR SHALL FIELD VERIFY LOCATION, SIZE, TYPE, ETC. OF ALL EXISTING STRUCTURES UTILITIES (ABOVE AND BELOW GROUND) AND ALL OTHER EXISTING CONDITIONS PRIOR TO CONSTRUCTION.

CONTACT:
SUNSHINE UTILITY LOCATES 1-800-432-4770
LIVE OAK UTILITIES 1-904-364-2276

- CURB = ————
SETBACK LINE = - - - - -
EASEMENT LINE = - - - - -
PROPERTY LINE = - - - - -
DRAINAGE ARROW =
INLET =
EXISTING ELEV. =
FINISH ELEV. =
MATCH =
24" STOP BAR
30" STOP SIGN
SEWER CLEAN OUT
GATE VALVE
FIRE HYDRANT
MANHOLE
MITERED END
WATER METER

LEGEND

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NOTE: NOT VALID WITHOUT ORIGINAL SIGNATURE, DATE, AND SEAL.
STEVEN W. MONROE PE #61778

SIGNATURE _____
DATE MAY 28, 2014

SURVEY DATA FOR THIS SITE HAS BEEN PROVIDED BY J. SHERMAN FRIER & ASSOCIATES, INC. JOB # 70-20138, DATED 1-8-14. FOR USE IN THE PROJECT DRAWINGS TO DEPICT EXISTING TOPOGRAPHY AND IMPROVEMENTS.

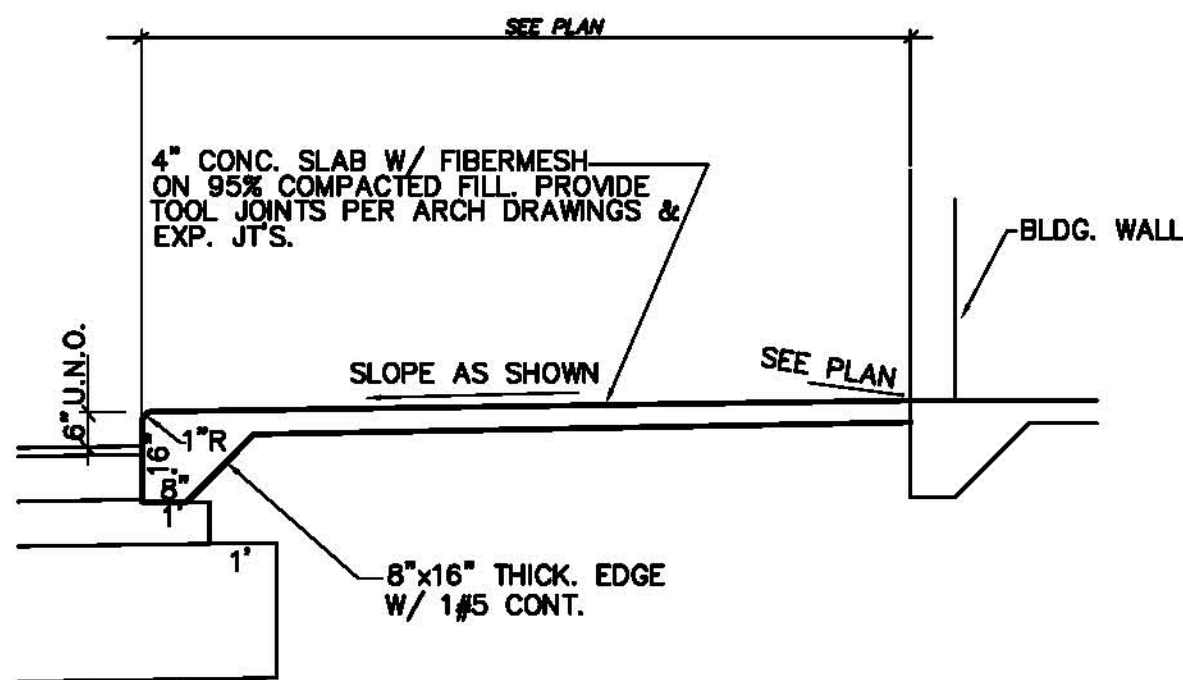
MEC
Mid-Florida Engineering Consultants, dba
7607 Coral Drive, West Melbourne, FL 32904
(321)723-5861 Fax (321)851-1952 Eng.# 7219 Gen. Contr.# 2379
www.mecconstruction.com CGC 019528

PROJECT NAME: **S.C.S.B. TRANSPORTATION BUILDING**

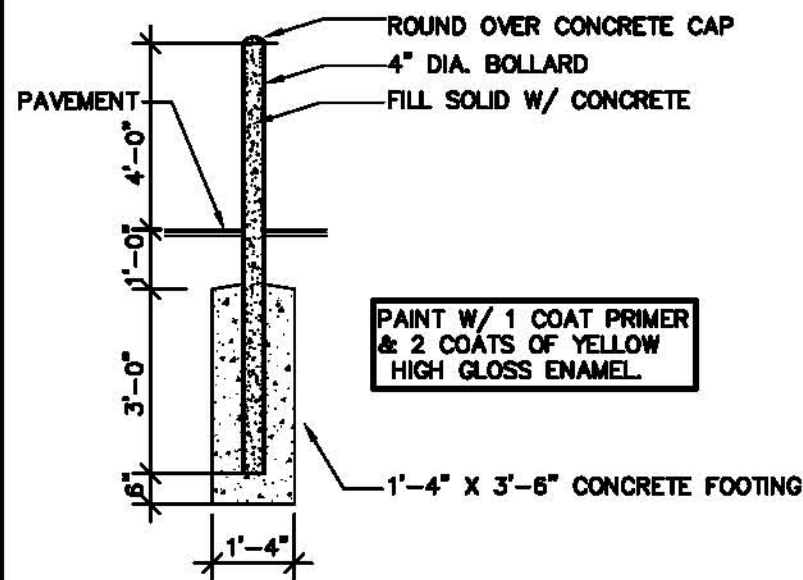
SHEET DESCRIPTION: **DRAINAGE, GRADING & UTILITIES PLAN** DRAWING SCALE: **1"=20'**

ISSUE: 4-16-14
REV. DATE BY DESCRIPTION
A 5/28/14 SM REV. PER SRWMD

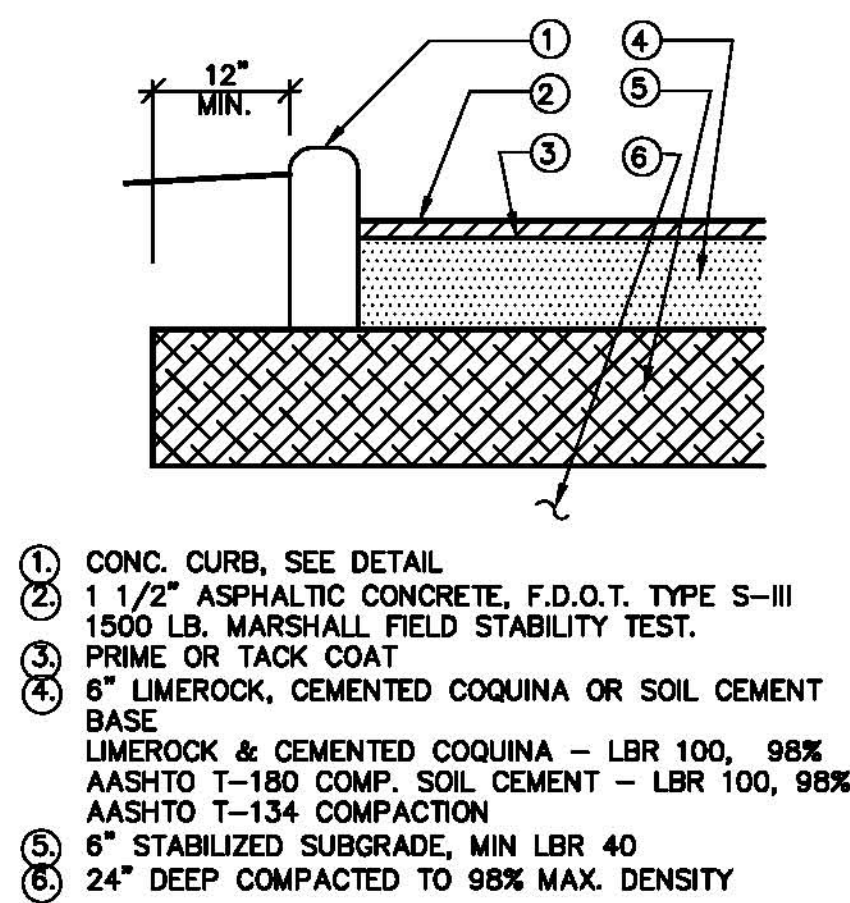
PROJECT NUMBER: **31402** SHEET 5 OF 8
C-4



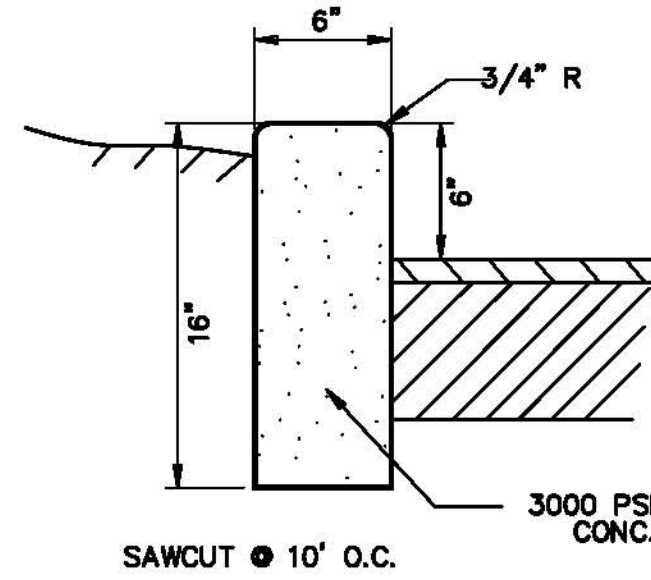
(A) SIDEWALK DETAIL
C-5 N.T.S.



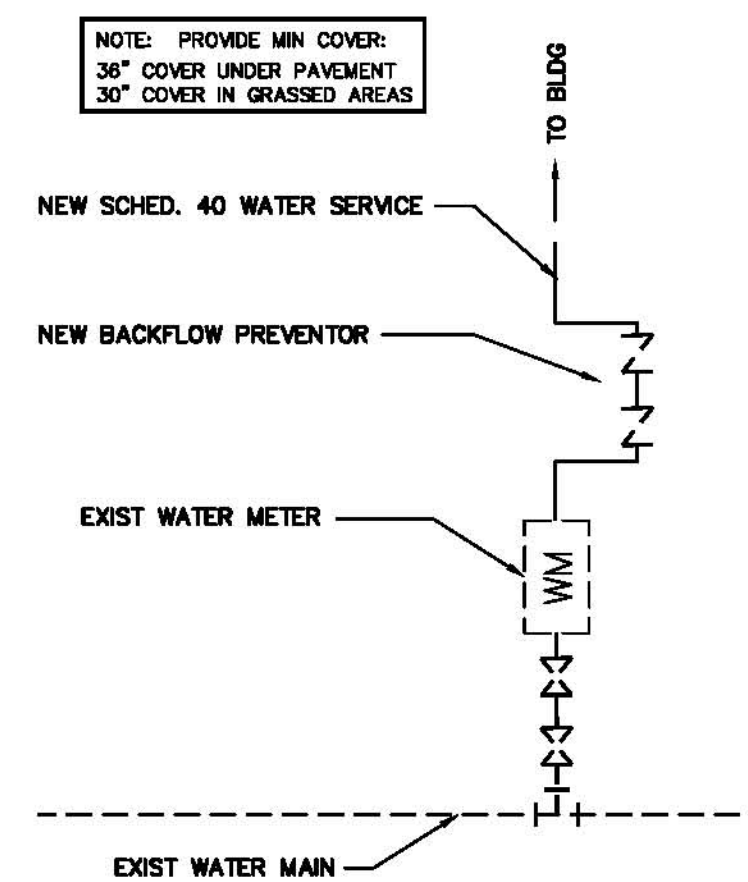
(B) BOLLARD DETAIL
C-5 N.T.S.



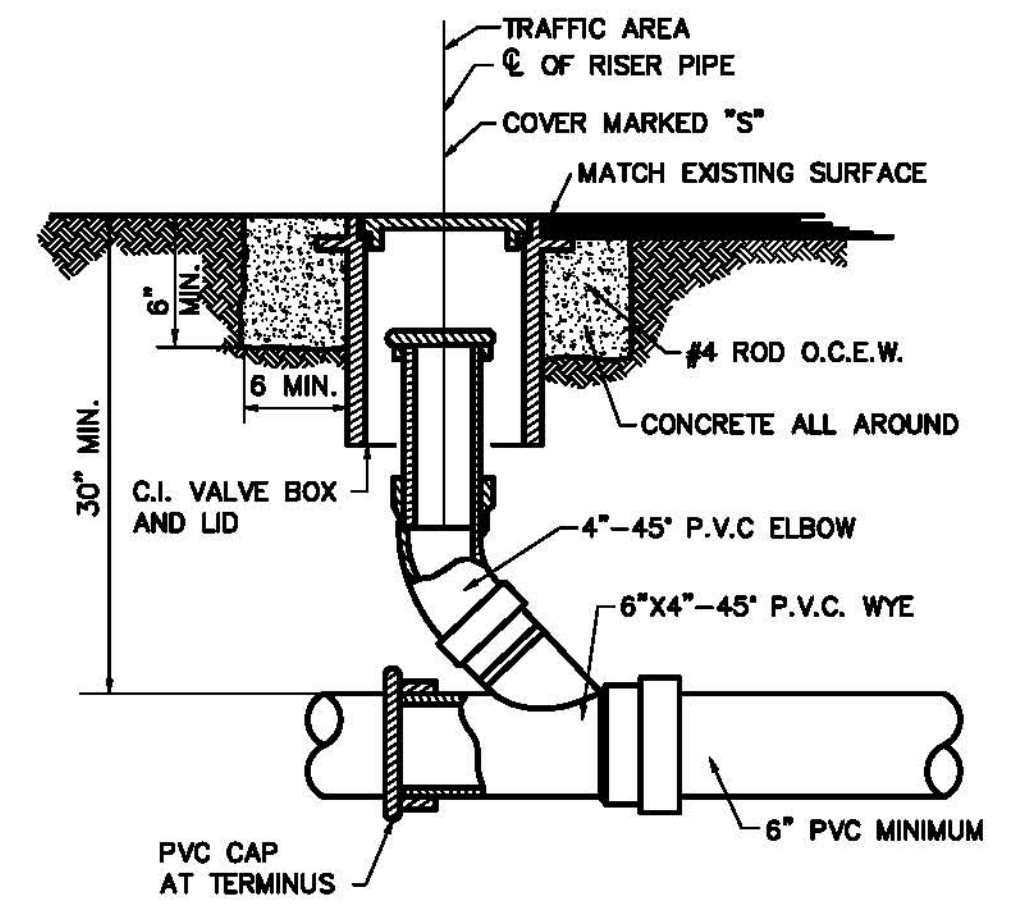
(C) ASPHALT PAVING DETAIL
C-5 N.T.S.



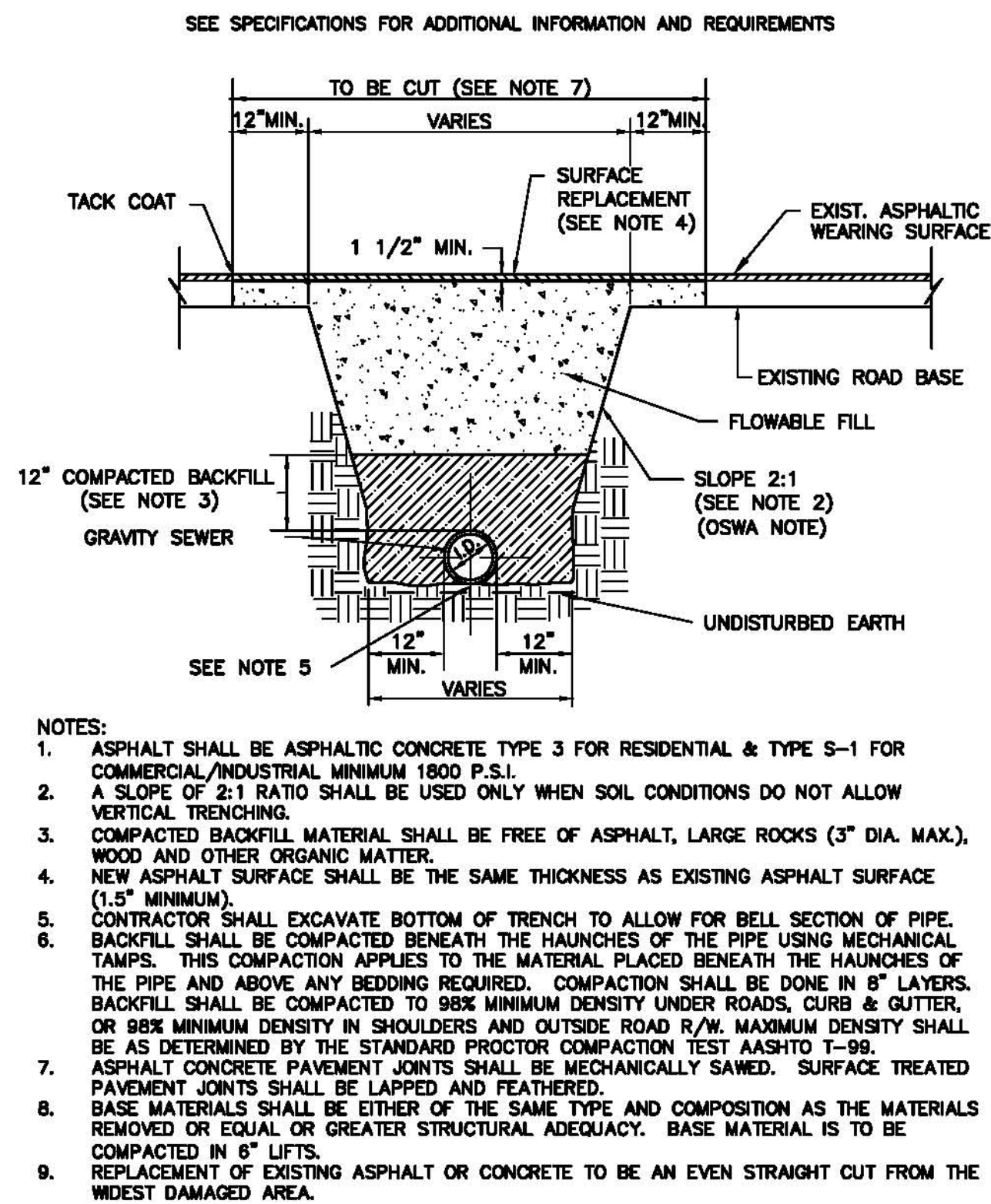
(D) HEADER CURB DETAIL
C-5 N.T.S.



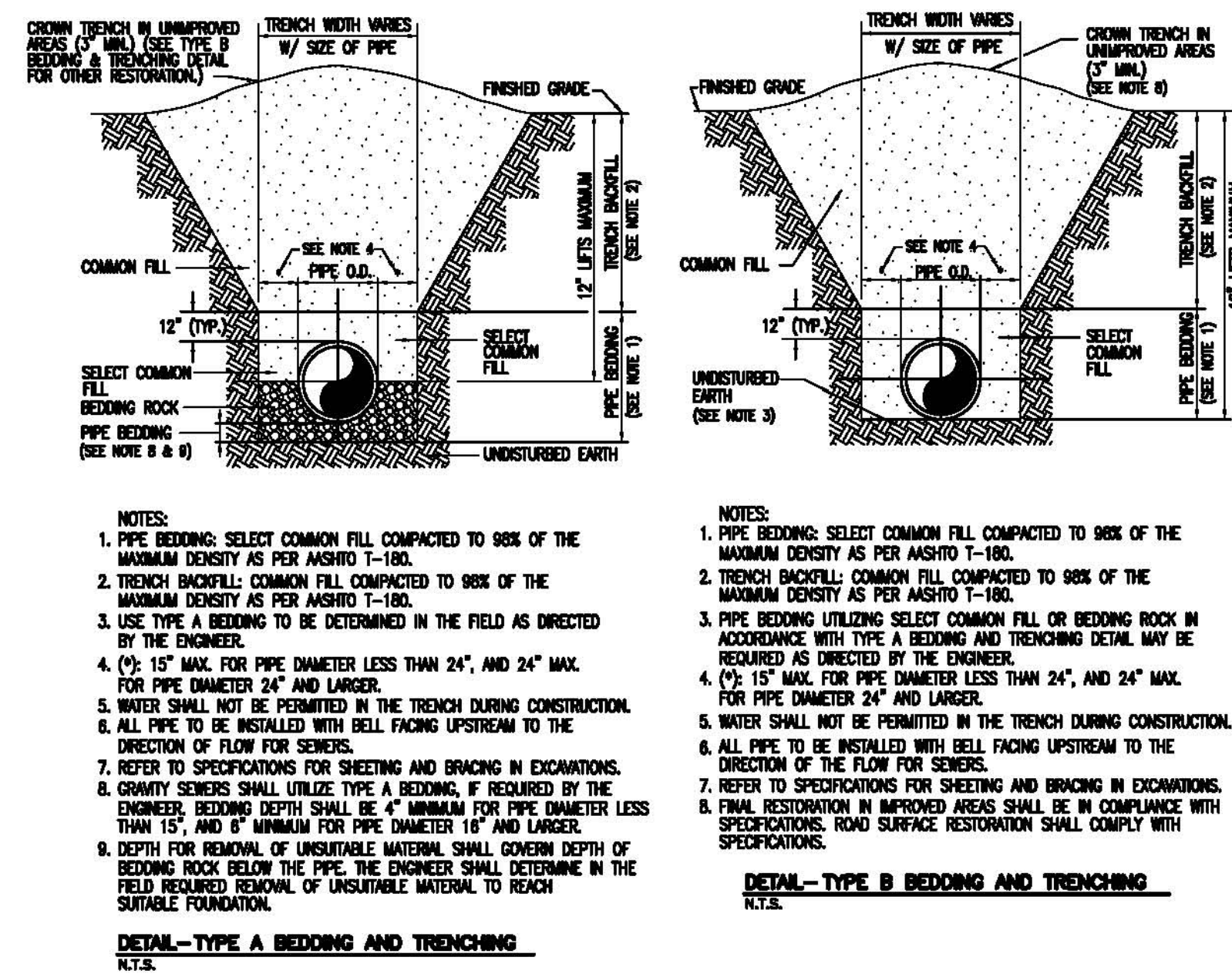
(E) WATER SERVICE DETAIL
C-5 N.T.S.



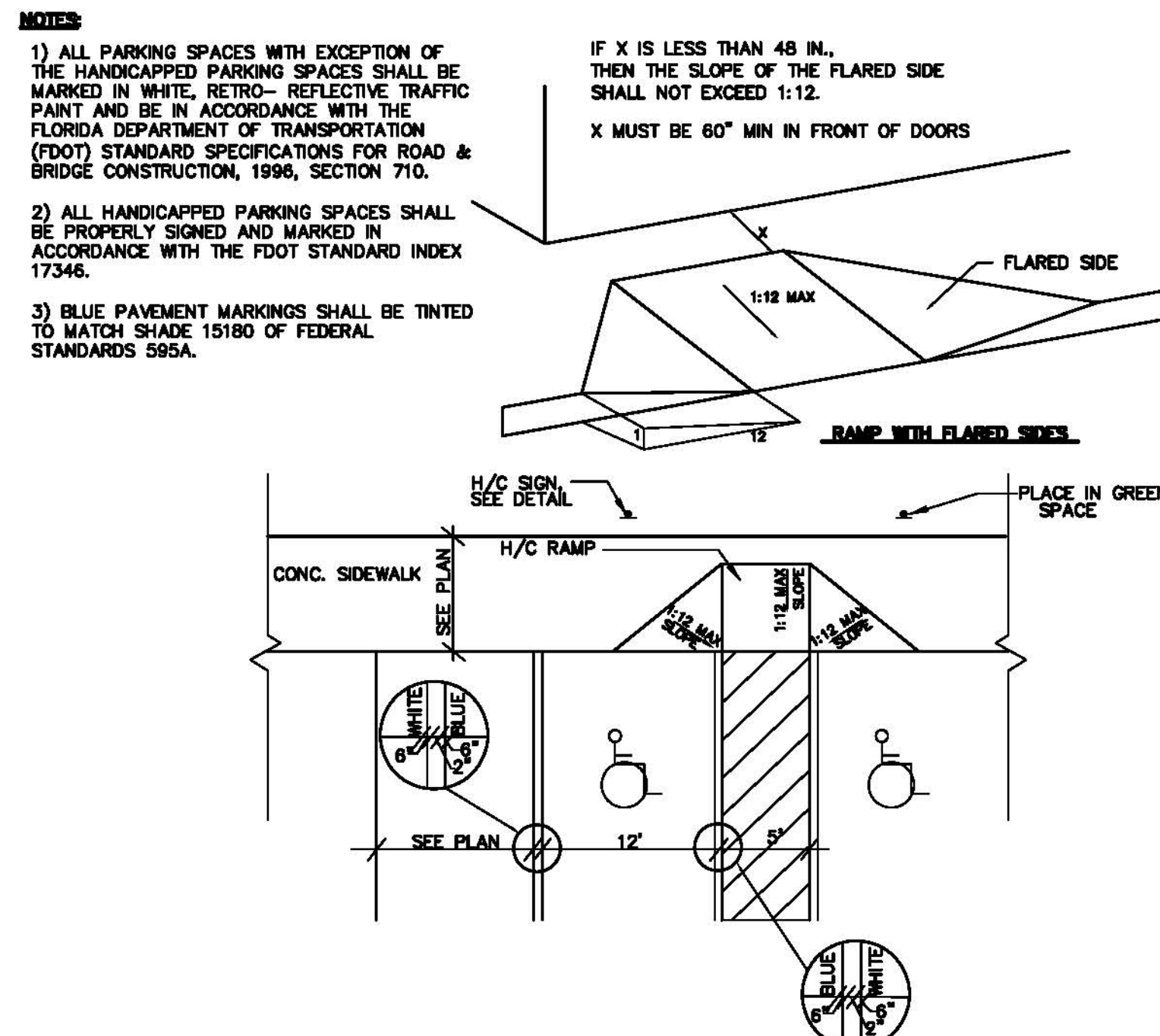
(F) TYP CLEANOUT DETAIL
C-5 N.T.S.



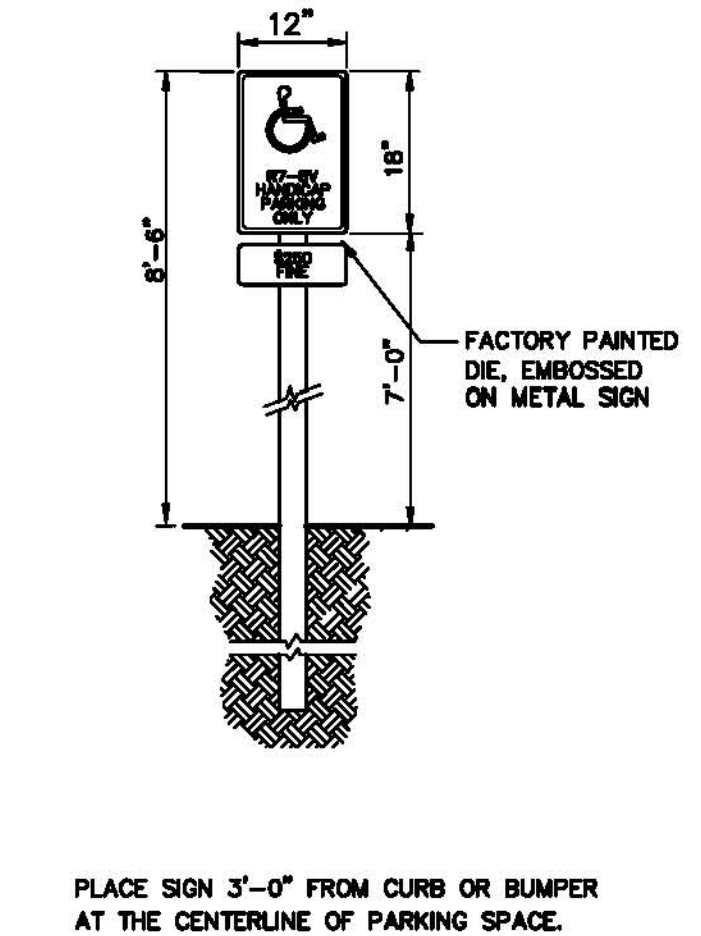
(G) OPEN ROADWAY CUT DETAIL
C-5 N.T.S.



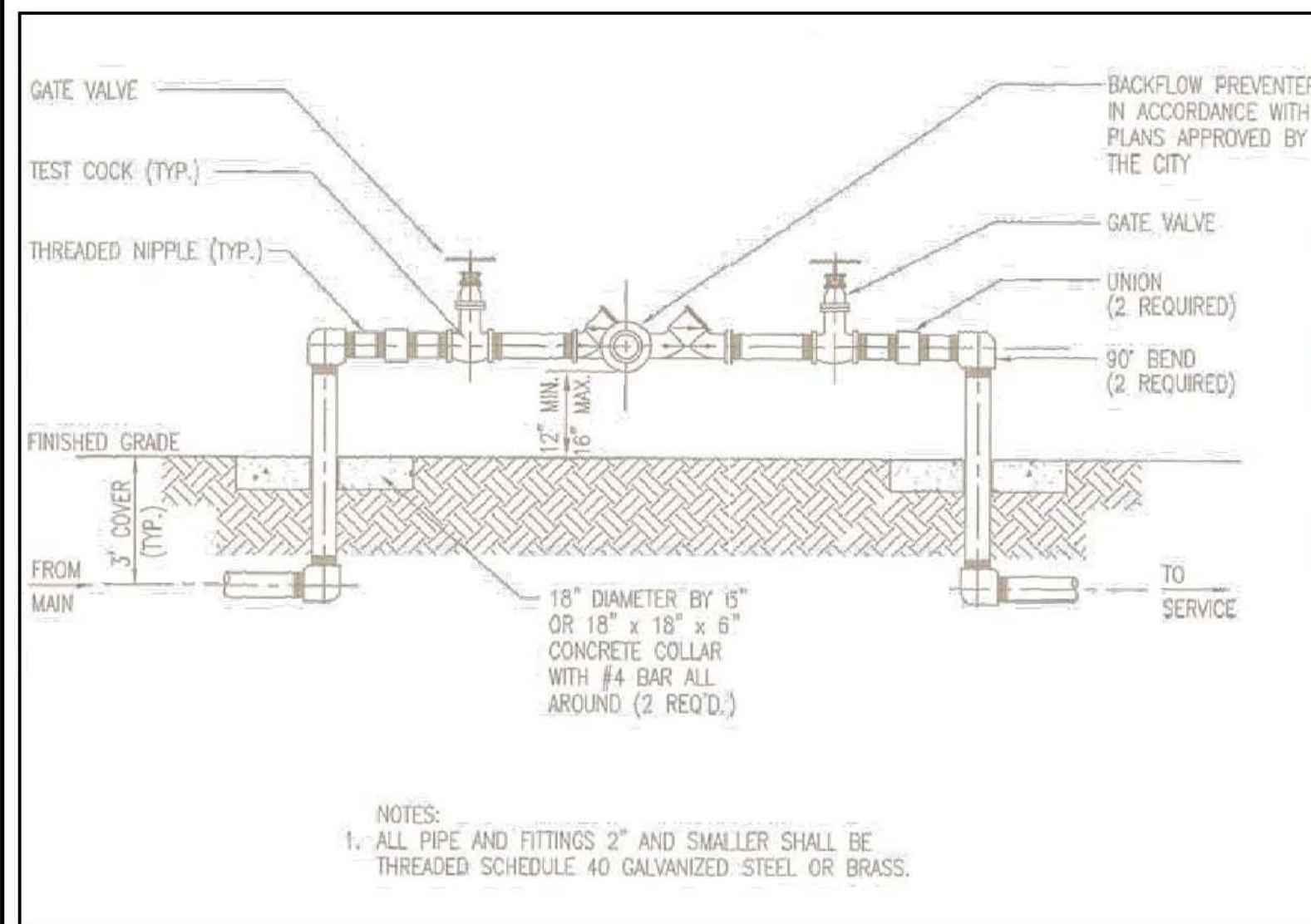
(H) TYP BEDDING & TRENCH DETAILS
C-5 N.T.S.



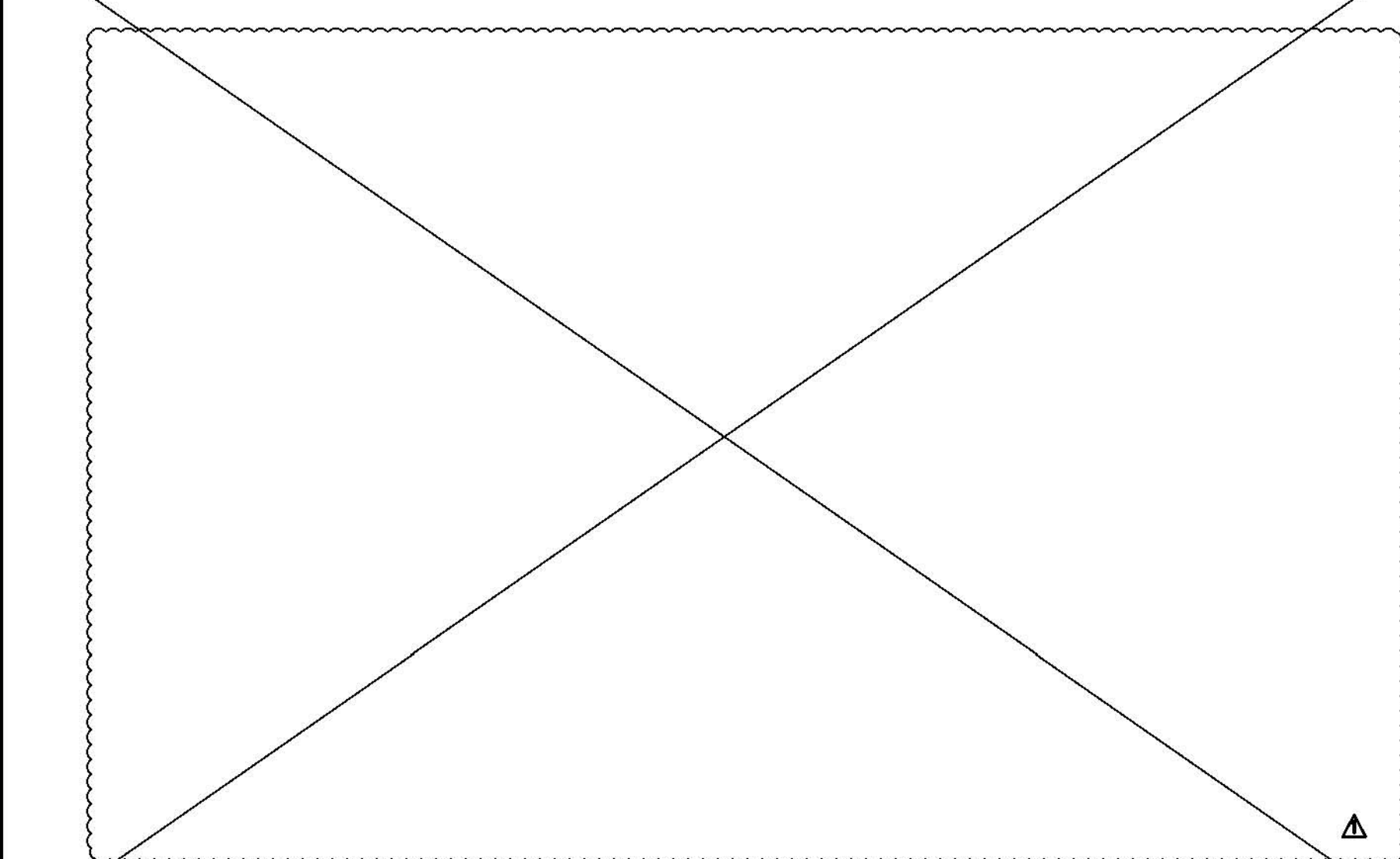
(I) H/C PARKING DETAIL
C-5 N.T.S.



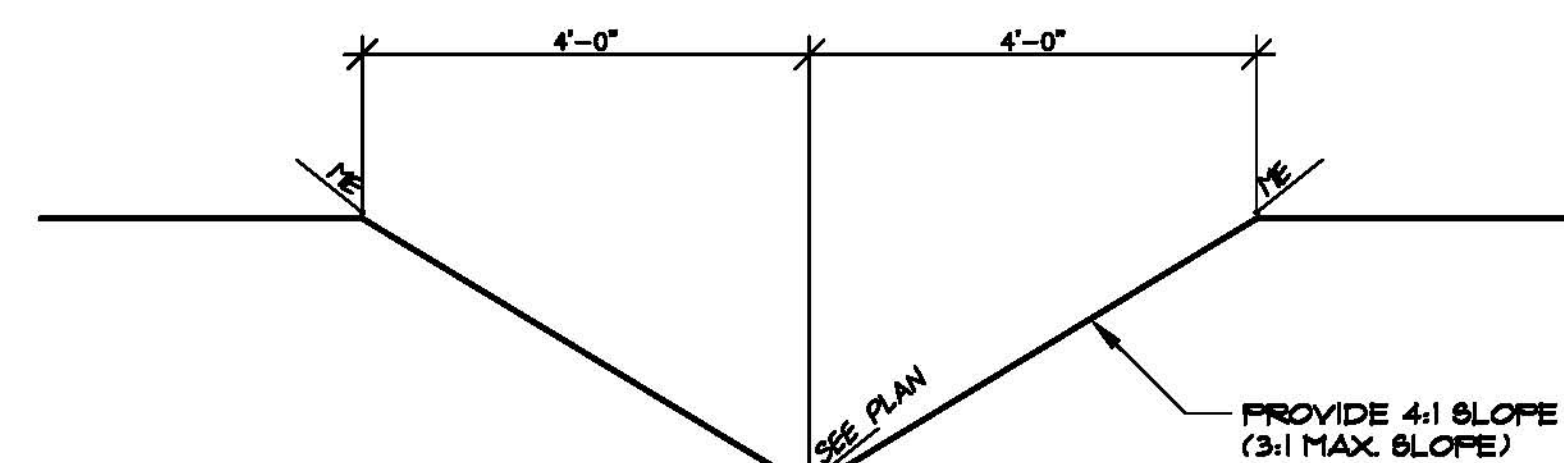
(J) HANDICAP SIGN DETAIL
C-5 N.T.S.



(K) BACKFLOW PREVENTER DETAIL
C-5 SCALE: 1" = 1'



(L) DELETED
C-5 SCALE: 1" = 1'



(M) SWALE SECTION
C-5 SCALE: 1" = 1'

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STEVEN W. MONROE PE #61778

SIGNATURE
DATE MAY 28, 2014

NOTE
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CONTACT:
SUNSHINE UTILITY LOCATES 1-800-432-4770
LIVE OAK UTILITIES 1-804-384-2278



| | | | |
|--|-------------|-----------------------|--------------|
| PROJECT NAME: S.C.S.B. TRANSPORTATION BUILDING | | | |
| SHEET DESCRIPTION: DETAILS | | | |
| DRAWING SCALE: N.T.S. | | | |
| ISSUE: 4-16-14 | BY: SM | CHECKED: SM | APPR: SM |
| REV. DATE | DESCRIPTION | PROJECT NUMBER: 31402 | SHEET 6 OF 6 |
| 5/28/14 | SM | REV. PER SWMD | C-5 |

[illegible]

CAST IRON GRATE NOT MOUNTED ON INLET TYPE D

TYPE C
 Approx. Weight 125 lbs.

HALF SECTION CAST IRON GRATES

TYPE E
 Approx. Weight 145 lbs.

TYPE H (3-GRADE INLET)
 Approx. Weight 155 lbs.

TYPE H (4-GRADE INLET)
 Approx. Weight 165 lbs.

CAST IRON GRATES

TYPE D
 Strap Bars 2" x 1/2"
 Approx. Weight 125 lbs.

TYPE F
 Strap Bars 2" x 1/2"
 Approx. Weight 145 lbs.

TYPE M (3-GRADE INLET)
 Strap Bars 2" x 1/2"
 Approx. Weight 155 lbs.

TYPE M (4-GRADE INLET)
 Strap Bars 2" x 1/2"
 Approx. Weight 165 lbs.

STEEL GRATES

NOTE: Steel Grates are Required to Inlets With Travertine Bars, and the Inlets where Grate Traffic is Anticipated.

- These grates are suitable for Sloped Traffic and are not to be placed in areas where they will be subjected to impact or where they will be subjected to any other abuse or use.
- These grates are not to be placed in areas where they will be subjected to impact or where they will be subjected to any other abuse or use.
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APPROVED

FOOT 204
DESIGN STANDARDS

DITCH BOTTOM INLET TYPES C, D, E AND H

| DATE | REV |
|---------|-----|
| 10/1/10 | 1 |

| DIMENSIONS & QUANTITIES | | | | | | | | | | SINGLE SIZE | | | | CONCRETE (CY) | | | | WOODING (BT) | | | |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|------------------|---------------------|-------------------|----------------------|------------------|---------------------|-------------------|----------------------|------------------|---------------------|-------------------|
| D | A | B | C | E | F | G | H | I | J | Volume Cubic Feet | Weight Pounds | Area Square Feet | Perimeter Feet | Volume Cubic Feet | Weight Pounds | Area Square Feet | Perimeter Feet | Volume Cubic Feet | Weight Pounds | Area Square Feet | Perimeter Feet |
| 12" | 2-10" | 2-10" | 1-12" | 2-10" | 2-10" | 2-10" | 2-10" | 2-10" | 2-10" | 1.17 | 7.20 | 1.00 | 12.57 | 1.17 | 7.20 | 1.00 | 12.57 | 1.17 | 7.20 | 1.00 | 12.57 |
| 14" | 2-10" | 2-10" | 1-12" | 2-10" | 2-10" | 2-10" | 2-10" | 2-10" | 2-10" | 1.31 | 8.16 | 1.13 | 14.14 | 1.31 | 8.16 | 1.13 | 14.14 | 1.31 | 8.16 | 1.13 | 14.14 |
| 16" | 2-10" | 2-10" | 1-12" | 2-10" | 2-10" | 2-10" | 2-10" | 2-10" | 2-10" | 1.45 | 9.12 | 1.25 | 15.71 | 1.45 | 9.12 | 1.25 | 15.71 | 1.45 | 9.12 | 1.25 | 15.71 |
| 18" | 2-10" | 2-10" | 1-12" | 2-10" | 2-10" | 2-10" | 2-10" | 2-10" | 2-10" | 1.59 | 10.08 | 1.37 | 17.28 | 1.59 | 10.08 | 1.37 | 17.28 | 1.59 | 10.08 | 1.37 | 17.28 |
| 20" | 2-10" | 2-10" | 1-12" | 2-10" | 2-10" | 2-10" | 2-10" | 2-10" | 2-10" | 1.73 | 11.04 | 1.49 | 18.85 | 1.73 | 11.04 | 1.49 | 18.85 | 1.73 | 11.04 | 1.49 | 18.85 |
| 22" | 2-10" | 2-10" | 1-12" | 2-10" | 2-10" | 2-10" | 2-10" | 2-10" | 2-10" | 1.87 | 12.00 | 1.61 | 20.42 | 1.87 | 12.00 | 1.61 | 20.42 | 1.87 | 12.00 | 1.61 | 20.42 |
| 24" | 2-10" | 2-10" | 1-12" | 2-10" | 2-10" | 2-10" | 2-10" | 2-10" | 2-10" | 2.01 | 12.96 | 1.73 | 21.99 | 2.01 | 12.96 | 1.73 | 21.99 | 2.01 | 12.96 | 1.73 | 21.99 |
| 26" | 2-10" | 2-10" | 1-12" | 2-10" | 2-10" | 2-10" | 2-10" | 2-10" | 2-10" | 2.15 | 13.92 | 1.85 | 23.56 | 2.15 | 13.92 | 1.85 | 23.56 | 2.15 | 13.92 | 1.85 | 23.56 |
| 28" | 2-10" | 2-10" | 1-12" | 2-10" | 2-10" | 2-10" | 2-10" | 2-10" | 2-10" | 2.29 | 14.88 | 1.97 | 25.13 | 2.29 | 14.88 | 1.97 | 25.13 | 2.29 | 14.88 | 1.97 | 25.13 |
| 30" | 2-10" | 2-10" | 1-12" | 2-10" | 2-10" | 2-10" | 2-10" | 2-10" | 2-10" | 2.43 | 15.84 | 2.09 | 26.70 | 2.43 | 15.84 | 2.09 | 26.70 | 2.43 | 15.84 | 2.09 | 26.70 |

* A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GG, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MM, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NN, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ.

SECTION - WEST PARKING

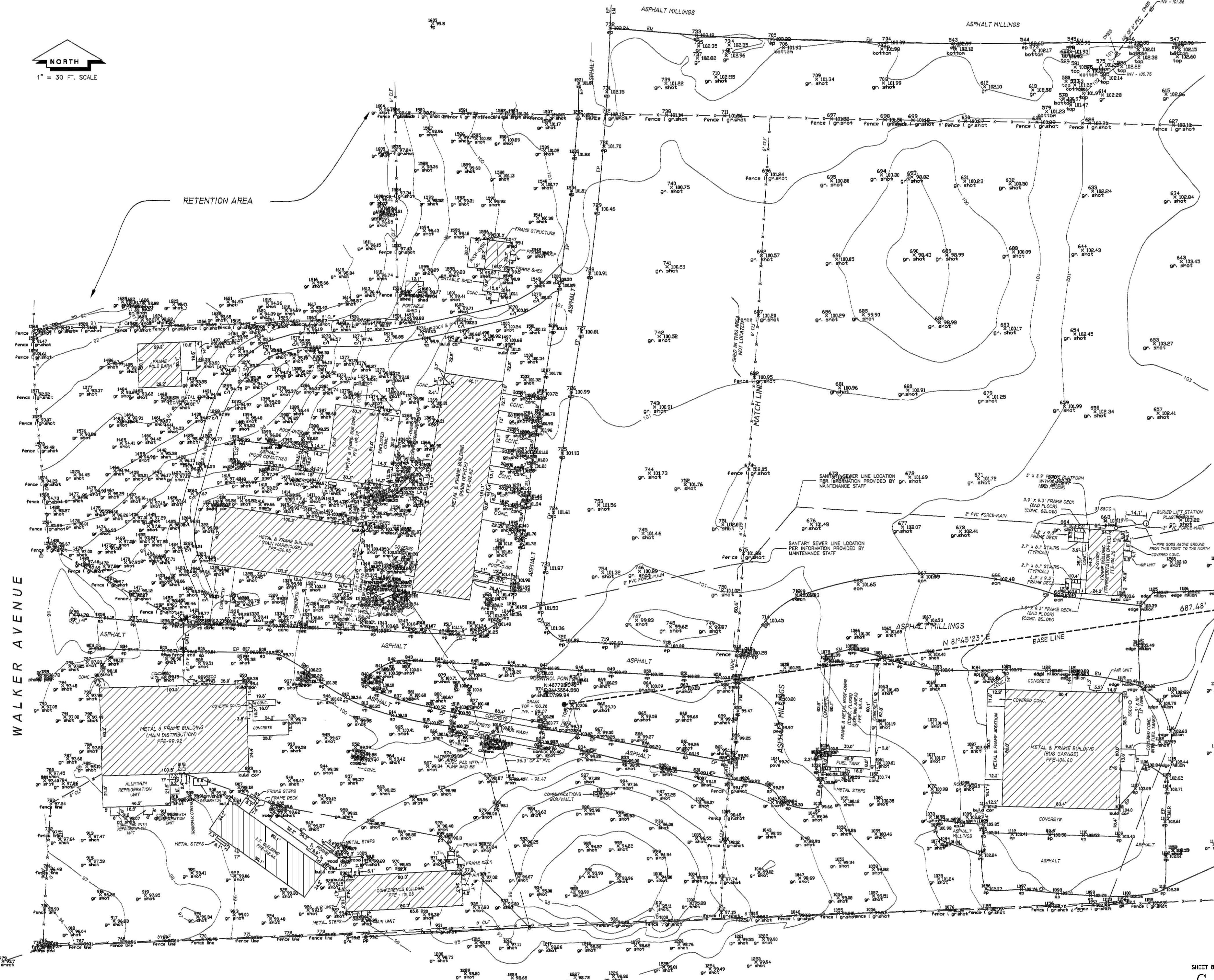
SCALE: VERT - 1" = 4'
 HORZ - 1" = 10'



| | | | | | | | | | |
|---|--|----------------------------------|--|--|--|--------------------------------------|--|------------|--|
| PROJECT NAME: S.C.S.B. TRANSPORTATION BUILDING | | | | | | | | | |
| SHEET DESCRIPTION: DETAILS | | | | | | DRAWING SCALE: N.T.S. | | | |
| ISSUE: 4-16-14 | | | | | | DRAWN: KB CHECKED: SM APPR: SM | | | |
| REV. DATE BY | | DESCRIPTION | | | | PROJECT NUMBER: | | SHEET OF 8 | |
| 1 5/28/14 SM | | REV. PER SRWM-ADDED DETAIL SHEET | | | | 31402 | | C-5A | |
| | | | | | | | | | |
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SPECIAL PURPOSE SURVEY TO SHOW
EXISTING CONDITIONS AT THE
SUWANNEE COUNTY SCHOOL
MAINTENANCE COMPOUND
IN
THE SOUTHWEST 1/4 OF
SECTION 26
TOWNSHIP 02 SOUTH, RANGE 13 EAST
SUWANNEE COUNTY, FLORIDA.



LEGEND & NOTES

- N:457828.014
E:244433.040
ELEV:99.93
- DENOTES 1/2" REBAR WITH CAP SET, STAMPED "GPS PT. L.B. # 7170".
 - SS---SS--- DENOTES BURIED SANITARY SEWER FORCE-MAIN.
 - X-----X-----X DENOTES EXISTING FENCE HEIGHT VARIES.
 - 101---101--- DENOTES CONTOUR LINE BASED ON NAVD83.
- 1) FENCE, ROAD AND OVERHEAD ELECTRIC DIMENSIONS MAY NOT BE TO SCALE.
 - 2) BEARINGS AND COORDINATES BASED ON NAD83 (CONTROL-T4-RESET, SUWANNEE COUNTY, FLORIDA, ZONE: FLORIDA, NORTH).
 - 3) CONTOURS AND ELEVATIONS BASED ON NAVD83 (CONTROL-T4-RESET, SUWANNEE COUNTY, FLORIDA).
 - 4) NO UNDERGROUND IMPROVEMENTS LOCATED BY THIS SURVEY. EXCEPT AS SHOWN.
 - 5) DISTANCES MEASURED IN U.S. FEET.

ABBREVIATIONS

- CONC. - CONCRETE
IP - IRON PIPE
REB. - REBAR
ST. - STREET
AVE. - AVENUE
NO ID - NO IDENTIFICATION
FD - FOUND
CM - CONCRETE MONUMENT
± - MORE OR LESS
ORB - OFFICIAL RECORDS BOOK
PG - PAGE(S)
(M) - MEASURED
(P) - PLAT
(D) - DEED
(C) - CALCULATED
(A) - ACTUAL
(R) - RECORD
CLF - CHAIN LINK FENCE
EM - EDGE OF MILLINGS
EMLR - EDGE OF MILLINGS AND LIMEROCK
SSCO - SANITARY SEWER CLEANOUT
PVC - POLYVINYLCHLORIDE
LP - LIGHT POLE
STP - TELEPHONE PEDESTAL
FFE - FINISHED FLOOR ELEVATION
- O/S - OFFSET
FDOT - FLORIDA DEPARTMENT OF TRANSPORTATION
P.C. - POINT OF CURVATURE
P.T. - POINT OF TANGENCY
P.I. - POINT OF INTERSECTION
P.R.C. - POINT OF REVERSE CURVATURE
P.C.C. - POINT OF COMPOUND CURVATURE
R/W - RIGHT-OF-WAY
P.C.P. - PERMANENT CONTROL POINT
P.R.M. - PERMANENT REFERENCE MONUMENT
± - MORE OR LESS
EG - EDGE OF GRADE
C&G - CURB AND GUTTER
ST. MH - STORM MANHOLE
SS. MH - SANITARY SEWER MANHOLE
ELEV. - ELEVATION
B.M. - BENCHMARK
C - CENTERLINE
EMB - ELECTRIC METER BOX
EB - ELECTRIC BOX
FOM - FIBER OPTIC MARKER
CMES - CONCRETE MITERED SECTION

TIMOTHY B. ALCORN
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. 6332
DATE: JANUARY 8, 2014

"NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER"

SHEET 1 OF 2

FOR: SUWANNEE COUNTY SCHOOL BOARD

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|--|-------------------------|-----------------------------|
| SCALE: 1" = 30' | DATE SURVEYED: 12/19/13 | DATE DRAWN: 01-08-14 |
| REVISED: | APPROVED BY: | DRAWN BY: SH |
| J. SHERMAN FRIER & ASSOCIATES, INC. LAND SURVEYORS 130 W. HOWARD ST. / P.O. BOX 580 PHONE: 386-362-4829 | | |
| CERTIFICATE OF AUTHORIZATION - LB# 7170 LIVE OAK, FL 32084 FAX: 386-362-5270 | | DRAWING NUMBER: 70-2013B |

SHEET 8 OF 8
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