

CONTRACT PLANS COMPONENTS

SITE PLANS

INDEX OF PLANS

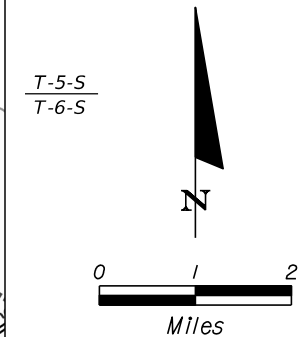
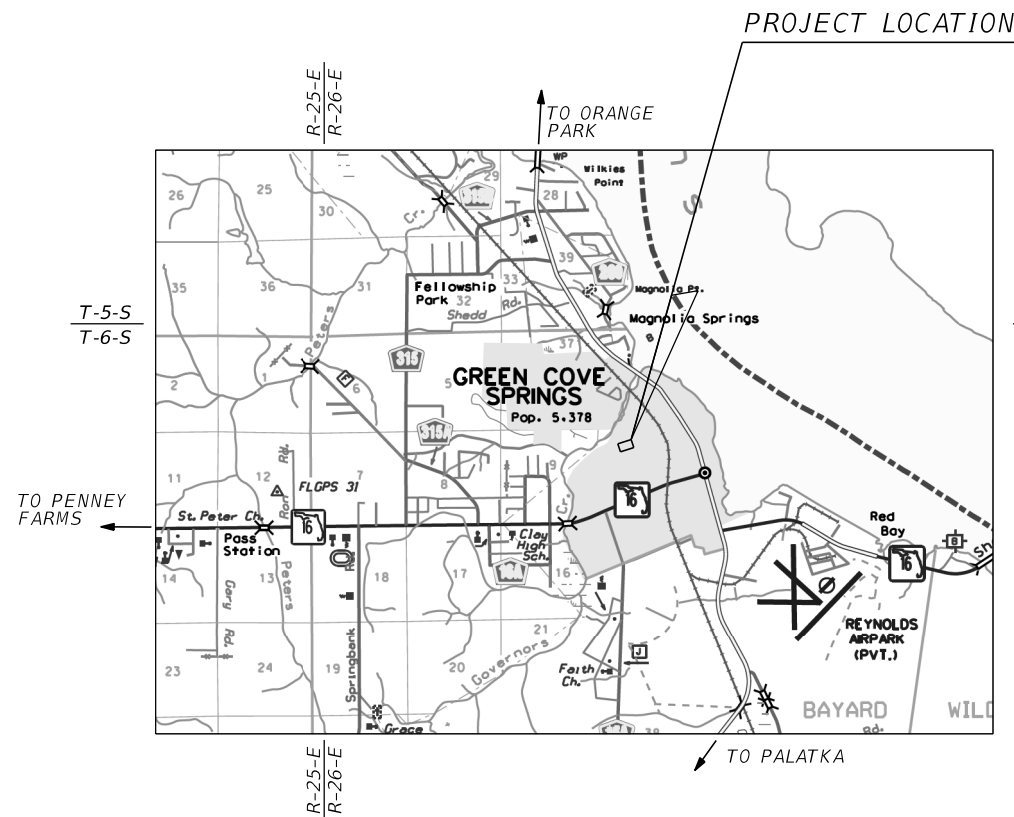
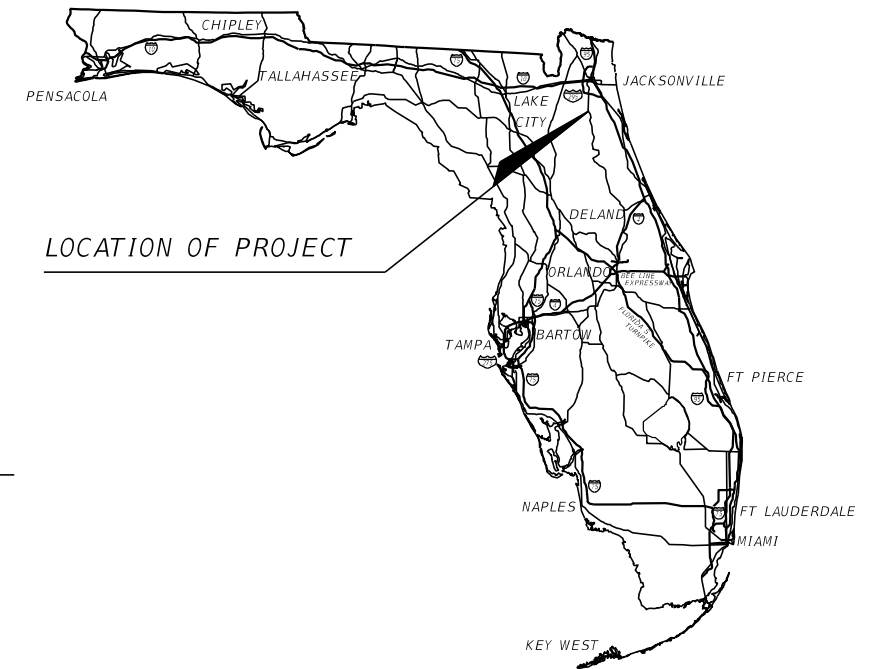
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CLAY COUNTY, FLORIDA



GREEN COVE SPRINGS AUGUSTA SAVAGE ARTS & COMMUNITY CENTER PICKLEBALL COURTS

COUNTY CONTRACT NO. 2020/2021-228



PLANS PREPARED BY:
 GAI CONSULTANTS, INC.
 12574 FLAGLER CENTER BLVD - SUITE 202
 JACKSONVILLE, FLORIDA 32258

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

PREPARED FOR
 CITY OF GREEN COVE SPRINGS
MIKE NULL
 ASSISTANT CITY MANAGER

PREPARED FOR
 COUNTY ENGINEERING DEPARTMENT
RICHARD SMITH P.E.
 DIRECTOR OF ENGINEERING

ENGINEER OF RECORD: RITA BANHUNYADI, P.E.

P.E. NO.: 77892

COMMISSIONERS

- | | |
|-------------------|------------------------|
| MIKE CELLA | DISTRICT 1 |
| ALEXANDRA COMPERE | DISTRICT 2 |
| JIM RENNINGER | DISTRICT 3, VICE CHAIR |
| BETSEY CONDON | DISTRICT 4, CHAIR |
| KRISTEN BURKE | DISTRICT 5 |

REVISIONS

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

HOWARD WANAMAKER

COUNTY MANAGER

TARA S. GREEN

CLERK OF COURT

RICHARD SMITH P.E.

DIRECTOR OF ENGINEERING

GOVERNING STANDARD PLANS:
 St. Johns River Managment District ERP Handbook (2018)
 Florida Department of Transportation, FY2021-2022 Standard Plans

SHEET NO.

1

1. CLAY COUNTY ENGINEERING DIVISION REQUIRES TWENTY-FOUR HOUR (24-HR) NOTICE ON ALL MEETINGS AND OR TESTING PROCEDURES.

2. ALL CONSTRUCTION PROJECTS 1 ACRE OR MORE IN SIZE SHALL BE REQUIRED TO ABIDE BY THE PROVISIONS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND SUBMITTING THE NPDES "NOTICE OF INTENT" (NOI) AND "NOTICE OF TERMINATION" (NOT) TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) HAVING JURISDICTION OVER THE NPDES PROGRAM. THE CONTRACTOR SHALL KEEP ONSITE COPIES OF THE SWPPP, NOI, AND SJR WATER MANAGEMENT DISTRICT PERMITS.

3. ALL DISTURBED AREA SHALL BE SODDED TO THE DISCRETION AND APPROVAL OF THE CLAY COUNTY ENGINEERING DIVISION.

4. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO EXCAVATION AND TAKE ALL MEASURES NECESSARY TO PROTECT UTILITIES DURING CONSTRUCTION. SHOULD ANY UTILITY LINE OR COMPONENT BECOME DAMAGED OR REQUIRE RELOCATION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE RESPONSIBLE UTILITY COMPANY, THE ENGINEER, AND THE COUNTY.

CALL BEFORE YOU DIG 1-800-432-4770

- CALL 800-432-4770 TWO FULL BUSINESS DAYS BEFORE DIGGING. CALL TEN DAYS BEFORE DIGGING WHEN DIGGING UNDER WATER LINES.

- CALL 904.269-6359 (CLAY COUNTY SIGNAL & MAINTENANCE DIVISION) TWO FULL BUSINESS DAYS BEFORE DIGGING.

- WAIT THE REQUIRED TIME FOR BURIED UTILITIES TO BE LOCATED AND MARKED.

- PROTECT THE MARKS DURING YOUR PROJECT. IF MARKS DESTROYED, CALL AGAIN.

- DIG SAFELY, USING EXTREME CAUTION WHEN DIGGING WITHIN 24 INCHES ON EITHER SIDE OF THE MARKS TO AVOID HITTING THE BURIED UTILITY LINES.

UTILITY CONTACTS:

COMPANY	CONTACT	TELEPHONE NUMBER
AT&T/DISTRIBUTION	PK PATEL	(904) 727-1568
COMCAST CABLE COMMUNICATIONS	JAMES GRAHAM	(904) 380-6341
CLAY ELECTRIC AUTHORITY	ANGELA BELL	(357) 473-8000 EXT. 8205
CLAY COUNTY UTILITY AUTHORITY	KEVIN LEDBETTER, PE	(904) 213-2453

5. BEFORE WORKING IN EXISTING COUNTY RIGHTS-OF-WAY, THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN A RIGHT-OF-WAY PERMIT. THE PERMIT CAN BE OBTAINED AT THE CLAY COUNTY ENGINEERING DIVISION, 477 HOUSTON STREET, 3 FLOOR, GREEN COVE SPRINGS, FLORIDA.

6. ALL SWALE SECTIONS AND PONDS ARE TO BE SODDED WITHIN 7 DAYS OF THEIR FINAL GRADING.

7. ANY OFFSITE SWALES OR DITCHES IMPACTED BY THE DEVELOPMENT, THE CONTRACTOR SHALL RE-GRADE AND RESTORE, TO OBTAIN POSITIVE DRAINAGE.

8. A COPY OF THE CONTRACTORS' GENERAL LICENSE AND THE UNDERGROUND UTILITY LICENSE SHALL BE PROVIDED TO THE ENGINEER AT THE TIME OF THE PRECONSTRUCTION CONFERENCE.

9. APPLICABLE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT (SJRWMD) PERMIT, FDEP GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES, US ARMY CORP OF ENGINEERS, AND A FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) PERMIT SHALL BE SECURED BY THE COUNTY PRIOR TO CONSTRUCTION. NO WORK SHALL BEGIN WITHOUT ALL APPLICABLE PERMITS ON FILE.

10. WHERE DEWATERING FOR CONSTRUCTION IS REQUIRED, CONTRACTOR SHALL APPLY FOR AND OBTAIN APPLICABLE PERMITS PRIOR TO CONSTRUCTION.

11. ALL STORM PIPES SHALL BE VIDEOED PRIOR TO A FINAL INSPECTION. ALL DATA SHALL BE RECORDED IN HIGH QUALITY DVD FORMAT WITH SOUND OR ANY EQUIPMENT APPROVED BY THE ENGINEERING DIVISION. (REF. FDOT LATEST STANDARD SPECIFICATIONS).

12. A MINIMUM FIVE (5) DAYS' NOTICE SHALL BE GIVEN TO THE ENGINEER FOR SCHEDULING THE FINAL INSPECTION.

13. AT THE FINAL INSPECTION, A LETTER OF COMPLIANCE SHALL BE PROVIDED AND SIGNED BY THE STATE OF FLORIDA REGISTERED PROFESSIONAL ENGINEER OF RECORD FOR THE PROJECT. THE LETTER SHALL STATE THAT ACCORDING TO THE PROVIDED AS-BUILT SURVEY AND VISUAL INSPECTION THE PROJECT HAS BEEN SUBSTANTIALLY BUILT IN ACCORDANCE OF THE APPROVED DESIGN PLANS AND AGENCY PERMITS. IT SHALL BE PROVIDED TO THE COUNTY ENGINEER.

14. ALL SOIL AND DEBRIS TRACKED OUT OF THE PROJECT SHALL BE CLEANED IN ACCORDANCE WITH THE APPROVED SWPPP AND AT THE DISCRETION OF THE CLAY COUNTY ENGINEERING DIVISION.

15. PRIOR TO ANY INSPECTION OR TESTING ALL PIPELINE STRUCTURES, ROADWAY, ETC. SHALL BE CLEANED.

EROSION CONTROL

16. PURSUANT TO CONSERVATION ELEMENT OF THE COMPREHENSIVE PLAN, SECTION 1.9.1, ONE OR MORE EROSION CONTROL MEASURES SHALL BE USED DURING CONSTRUCTION, AS REQUESTED BY THE CLAY COUNTY ENGINEERING DIVISION. THESE MAY INCLUDE, BUT NOT LIMITED TO, ITEMS SUCH AS TEMPORARY GRASS COVER, SEDIMENT BASINS OR PONDS, MULCHING, EMPORARY FENCES, DIVERSION CHANNELS, AND HAY BALES.

17. PURSUANT TO COMPREHENSIVE PLAN POLICY 1.9.1 OF THE CONSERVATION ELEMENT, SCHEDULING OF THE CONSTRUCTION SHALL BE GIVEN SPECIAL CONSIDERATION TO MINIMIZE EXPOSURE OF BARE SOIL. THE CONTRACTOR SHALL FORMULATE A CONSTRUCTION SCHEDULE TO BE GIVEN TO THE COUNTY REPRESENTATIVE.

18. THE GOVERNING PUBLICATION FOR EROSION CONTROL IS THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER AND EROSION CONTROL MANUAL LATEST EDITION.

19. THE CONTACTOR SHALL CHECK EACH DAY TO ENSURE THAT ALL EROSION CONTROL DEVICES ARE IN PLACE AND WORKING PROPERLY.

20. ALL EROSION CONTROL MEASURES SHALL BE IN COMPLIANCE WITH THE RULES, REGULATIONS AND STANDARDS OF THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT, THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, AND THE UNITED STATES ARMY CORPS OF ENGINEERS AND THE CLAY COUNTY REGULATIONS AND ORDINANCES.

21. THE CONTRACTOR SHALL TAKE WHATEVER MEANS NECESSARY TO PREVENT THE EROSION OF SOIL AND DEPOSITION OF THE SEDIMENT ON ADJACENT AND DOWNSTREAM PROPERTIES AND ROADWAYS.

22. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF CONSTRUCTION. SEDIMENT CONTROL CONSISTS OF SILT FENCING, HAY BALES, AND FLOATING TURBIDITY BARRIERS. EROSION CONTROL CONSISTS OF SEEDING AND MULCHING, SODDING, MATTING, PLACEMENT OF COARSE AGGREGATE, AND TEMPORARY PAVING.

23. THE CONTRACTOR SHALL RESPOND TO EROSION AND SEDIMENT CONTROL MAINTENANCE WITHIN 24-HOURS OF BEING INFORMED BY CLAY COUNTY, UNLESS THE SITUATION REQUIRES AN IMMEDIATE RESPONSE. THE CONTRACTOR WILL THEN RESPOND IMMEDIATELY AFTER NOTIFICATION BY THE COUNTY. THE CONTACTOR'S EROSION CONTROL INSPECTOR SHALL BE A QUALIFIED STORMWATER MANAGEMENT INSPECTOR BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION.

24. THE CONTRACTOR SHALL BE REQUIRED TO INCORPORATE PERMANENT EROSION CONTROL MEASURES AT THE EARLIEST PRACTICAL TIME SO AS TO MINIMIZE THE NEED FOR TEMPORARY CONTROLS.

25. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADDITIONAL EROSION CONTROLS MEASURES AS DETERMINED BY THE COUNTY OR THE CONTRACTOR TO ENSURE QUALITY CONTROL.

26. ALL DISTURBED AREAS SHALL BE GRASSED WITHIN 7 DAYS OF THE INITIAL DISTURBANCE. TYPES OF GRASSING SHALL BE AS FOLLOWS: SODDING IS REQUIRED FOR AROUND ALL DRAINAGE STRUCTURES, RETENTION/DETENTION AREAS, SWALES, DITCHES, AND WHERE 4:1 SLOPE ARE EXCEEDED. SEED AND MULCH MAY BE USED AT ALL OTHER LOCATIONS UNLESS SPECIFICALLY CALLED OUT FOR ON THESE DRAWINGS. THERE SHALL BE A STANDING ROW OF GRASS AT THE TIME OF FINAL ACCEPTANCE. IF SEED AND MULCH HAS BEEN USED AND HAS NOT TAKEN, SOD WILL BE REQUIRED OR ESTABLISHED GRASS.

27. THE CONTRACTOR SHALL INSPECT AND REPORT TO THE COUNTRY ENGINEER AND TO THE ENGINEER OF RECORD ON THE CONDITION OF EROSION AND SEDIMENT CONTROL METHODS EVERY WEEK AND AFTER 1/2 INCH OF RAIN DURING CONSTRUCTION. THE CONTRACTOR SHALL REMOVE ANY SEDIMENT BUILD UP AND REPAIR OR REINSTALL ANY DAMAGED CONTROL MEASURES.

28. THE COUNTY REQUIRES BACKGROUND TESTING OF LOCAL WATERWAY PRIOR TO BEGIN OF CONSTRUCTION AND ADDITIONAL PERIODIC TESTING DURING CONSTRUCTION FOR WATER QUALITY AND CONFORMITY WITH CLAY COUNTY STANDARDS.

DRAINAGE

29. ALL EXISTING DRAINAGE STRUCTURES SHALL REMAIN UNLESS OTHERWISE NOTED.

30. DATUM IS NAVD88

AS-BUILT REQUIREMENTS

GENERAL

1. SUBMIT TWO (2) SIGNED AND SEALED SETS OF PRINTS AND ONE DIGITAL COPY (AUTOCAD FORMAT; PLEASE DO NOT USE REFERENCE FILES) WITH THE DESIGN INFORMATION (ELEVATIONS, PIPE LENGTHS, STATIONING, ETC.) LINED THROUGH (~~29-48~~) AND THE AS-BUILT INFORMATION PLACED ADJACENT TO IT.

NOTE: A LICENSED SURVEYOR SHALL USE THE ORIGINAL PAVING AND DRAINAGE SHEET(S) SPECIFICALLY FOR AS-BUILT INFORMATION. THE DRAWING(S) ARE TO BE ON 11" x 17" or 24" x 36" SHEET(S) AND CONTAIN THE FOLLOWING IN ADDITION TO THE AS-BUILT INFORMATION:

- PROJECT AS IT APPEARS ON PLAT
- PROJECT/DEVELOPMENT NUMBER
- STREET NAMES
 - o ALL COMMERCIAL SITES SHALL SHOW THE SITE PHYSICAL ADDRESS IN THE TITLE BLOCK
 - o DESIGN INFORMATION FOR ALL AS-BUILT INFORMATION PROVIDED LINED THROUGH
- NORTH ARROW
- SCALE
- SHOW AND LABEL ALL SURVEY-LINES USED FOR LOCATIONS

2. THE WORDS 'AS-BUILT' IN AT LEAST ONE-INCH HIGH LETTERS

3. MATERIAL CERTIFICATION STATEMENT SIGNED BY THE CONTRACTOR

4. SIGNED ENGINEER'S CERTIFICATION STATEMENT

5. INFORMATION PERTAINING TO BENCHMARK(S) (LOCATION, ELEVATION, AND REFERENCE TYPE)

6. SHOW STATE PLANE COORDINATE (NAD. 83) REFERENCES ON AT LEAST FOUR (4) BOUNDARY CORNERS AND ON ALL PRM(S) (ONE POSITION, TO BE KNOWN AS THE "NORTHING" SHALL GIVE THE POSITION IN A NORTH AND SOUTH DIRECTION; THE OTHER TO BE KNOWN AS THE 'EASTING' SHALL GIVE THE POSITION IN AN EAST AND WEST DIRECTION, REF. F.S. CH. 177.151) FOR PLATS AND AS-BUILTS.

BENCHMARKS

1. PERMANENT BENCHMARKS, ESTABLISHED IN NAVD88, ARE TO BE SITUATED AS TO FACILITATE LOW GRADING(I.E. TOP OF METAL CURB HOODS, MANHOLE RIMS, ETC.) AT LEAST TWO (2) PERMANENT BENCHMARKS SHALL BE ESTABLISHED WITHIN A SUBDIVISION OR IN EACH PHASE OF A SUBDIVISION AND LOCATED SO THAT NO LOR IS MORE THAN ONE THOUSAND FEET (1,000') FROM A BENCHMARK. EACH BENCHMARK TO BE REFERENCED BY STATION.

DRAINAGE

1. DISCHARGE STRUCTURES: STRUCTURE IDENTIFICATION NUMBER, TYPE, LOCATIONS (LATITUDE AND LONGITUDE), DIMENSIONS AND ELEVATIONS OF ALL, INCLUDING WEIRS, BLEEDERS, ORIFICES, PIPES, AND OIL AND GREASE SKIMMERS.

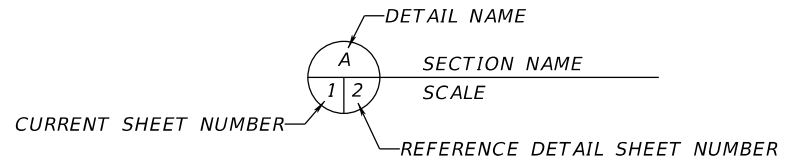
2. SIDE BANK: LOCATIONS, DIMENSIONS AND ELEVATIONS OF ALL, INCLUDING INLETS, MANHOLES, PIPES, CONNECTIONS TO CONTROL STRUCTURES AND POINTS OF DISCHARGE TO RECEIVING WATERS.

3. STORAGE AREAS FOR TREATMENT AND ATTENUATION: STORAGE AREA IDENTIFICATION NUMBER, DIMENSIONS, ELEVATIONS, CONTOURS OR CROSS-SECTIONS OF ALL, SUFFICIENT TO DETERMINE STAGE-STORAGE RELATIONSHIPS OF THE STORAGE AREA.

4. SYSTEM GRADING: DIMENSIONS, ELEVATIONS, CONTOURS, FINAL GRADES OR CROSS-SECTIONS TO DETERMINE CONTRIBUTING DRAINAGE AREAS, FLOW DIRECTIONS AND CONVEYANCE OF RUNOFF TO THE SYSTEM DISCHARGE POINTS.

5. CONVEYANCE: IDENTIFICATION NUMBER, TYPE, LOCATIONS, DIMENSIONS, AND INVERTS OF ALL PIPES.

6. BENCHMARKS: LOCATION AND DESCRIPTION (MINIMUM OF ONE PER MAJOR WATER CONTROL STRUCTURE).



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

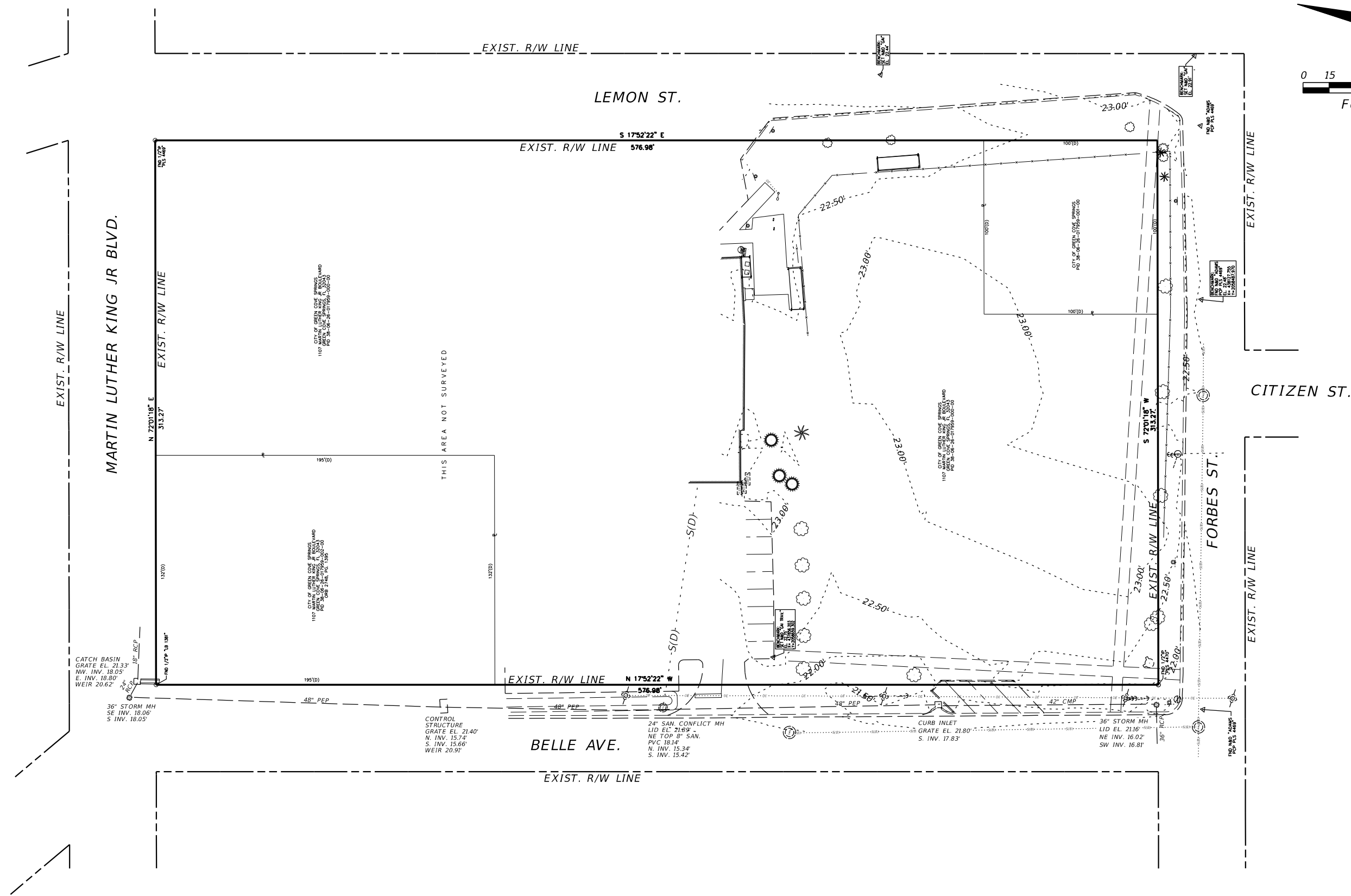
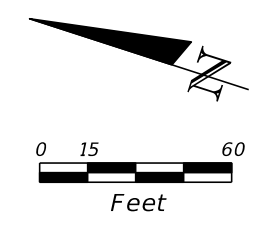
RITA BANHUNYADI, P.E.
 P.E. LICENSE NUMBER 77892
 GAI CONSULTANTS, INC.
 12574 FLAGLER CENTER BLVD - SUITE 202
 JACKSONVILLE, FL 32258

PREPARED FOR

**CLAY COUNTY
 ENGINEERING DEPARTMENT
 AND PUBLIC WORKS**

GENERAL NOTES

SHEET
 NO.
 2



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RITA BAHUNYADI, P.E.
 P.E. LICENSE NUMBER 77892
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 JACKSONVILLE, FL 32258

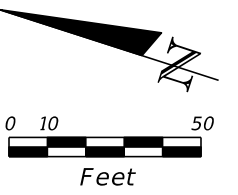
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EXISTING CONDITIONS










SHEET NO.
 3

EXIST. R/W LINE

LEMON ST.



LEGEND

-  CURB REMOVAL
-  GRAVEL WALKWAY REMOVAL
-  ASPHALT REMOVAL
-  TREE TO BE REMOVED
-  TREE TO REMAIN
-  SILT FENCE
-  INLET PROTECTION
-  LOD (LIMIT OF DISTURBANCE)
-  EXIST. 0.5' CONTOUR

THOMAS HOGANS
MEMORIAL GYMNASIUM/
LEARNING RESOURCE
CENTER

PARKING LOT

BELLE ST.

CITIZEN ST.

FORBES ST.

MARTIN LUTHER KING JR. BLVD.

EXIST. R/W LINE

EXIST. R/W LINE

EXIST. R/W LINE

EXIST. R/W LINE

EXIST. R/W LINE

EXIST. R/W LINE

EXIST. R/W LINE

DUGOUT

DUGOUT

EXIST. FENCE
TO REMAIN
SILT FENCE
(SEE DETAIL SHEET)

EXIST. FENCE
TO REMAIN

SILT FENCE
(SEE DETAIL SHEET)

LOD
1.41 Ac

SILT FENCE
(SEE DETAIL SHEET)

EXIST. TREES
TO REMAIN

EXIST. TREE
TO BE REMOVED

EXIST. TREE
TO REMAIN

REMOVE AND REPLACE
EXISTING SIGN

REMOVE 30 LF OF
CURB & GUTTER

EXIST. TREE
TO REMAIN

SILT FENCE
(SEE DETAIL SHEET)

INLET PROTECTION
(SEE DETAIL SHEET)

SILT FENCE
(SEE DETAIL SHEET)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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P.E. LICENSE NUMBER 77892
GAI CONSULTANTS, INC.
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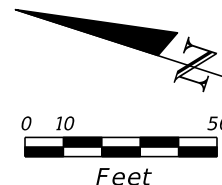
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DEMOLITION PLAN

SHEET
NO.
4

EXIST. R/W LINE

LEMON ST.



LEGEND

- DRAINAGE DIVIDE (EXISTING)
- PROJECT BOUNDARY
- EXISTING 0.1' CONTOUR
- FLOW ARROW

MARTIN LUTHER KING JR. BLVD.

THOMAS HOGANS
MEMORIAL GYMNASIUM/
LEARNING RESOURCE
CENTER

PROJECT BOUNDARY AREA
1.386 Ac (60374.16 SF)

PARKING LOT

DUGOUT

BASIN 4
0.263 Ac

BASIN 3
0.432 Ac

BASIN 1
0.656 Ac

BASIN 2
0.035 Ac

CITIZEN ST.

FORBES ST.

BELLE ST.

REVISIONS			
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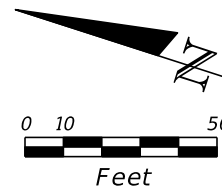
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PRE-DEVELOPMENT
DRAINAGE MAP

SHEET
NO.
5

EXIST. R/W LINE

LEMON ST.



EXIST. R/W LINE

LEGEND

- - - DRAINAGE DIVIDE (PROPOSED)
- - - PROJECT BOUNDARY
- - - PROPOSED 0.5' CONTOUR
- - - EXISTING 0.5' CONTOUR
- ↘ FLOW ARROW

THOMAS HOGANS
MEMORIAL GYMNASIUM/
LEARNING RESOURCE
CENTER

POST-BASIN 1
1.386 Ac

PARKING LOT

CITIZEN ST.

FORBES ST.

BELLE ST.

EXIST. R/W LINE

EXIST. R/W LINE

MARTIN LUTHER KING JR. BLVD.

EXIST. R/W LINE

EXIST. R/W LINE

EXIST. R/W LINE

EXIST. R/W LINE

REVISIONS			
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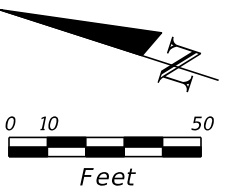
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**POST-DEVELOPMENT
DRAINAGE MAP**

SHEET
NO.
6

EXIST. R/W LINE

LEMON ST.



S-1
CONST. 15" NYLOPLAST YARD DRAIN
SEE SECTION DETAILS (1)
TOP EL. 22.00'
15" INV. 19.75'

S-2
CONST. 15" NYLOPLAST YARD DRAIN
SEE SECTION DETAILS (1)
TOP EL. 22.00'
15" INV. 19.60'

S-3
CONST. CONTROL STRUCTURE
TOP EL. 22.60'
18" (NE) INV. 19.50'
18" (NW) INV. 19.50'

S-4
CONST. MANHOLE TYPE P-8
FDOT INDEX 425-001
TOP EL. 21.52'
18" (SE) INV. 19.25'
18" (NW) INV. 20.25'

S-5
CONST. 18" WINGED
CONC. ENDWALL (45°)
SEE SECTION DETAILS (1)
FDOT INDEX 430-040
18" OUTFALL EL. 20.00'

P-1
INSTALL 52 LF OF
15" ADS HP STORM

P-1A
INSTALL
18" x 15" ADS HP STORM
REDUCER (INV. EL. 19.55')

P-1B
INSTALL
18" ADS HP STORM 90°
BEND (INV. EL. 19.52')

P-2
INSTALL 14 LF OF
18" ADS HP STORM

P-3
INSTALL 111 LF OF
18" ADS HP STORM

P-4
INSTALL 82 LF OF
18" ADS HP STORM

THOMAS HOGANS
MEMORIAL GYMNASIUM/
LEARNING RESOURCE
CENTER

PARKING LOT

COURT SURFACE
X:437920.81
Y:2058652.84
EL. 23.10'

8' TALL FENCE
(TYPICAL AROUND
PERIMETER)

COURT SURFACE
X:437865.34
Y:2058629.98
EL. 23.70'

EXIST. R/W LINE

REGRADE DITCH AND
CONSTRUCT RIP-RAP
SEE SECTION DETAILS (1)

BACKFILL 17.0 SY OF DRIVEWAY TRENCH
W/ 6" COMPACTED LIMEROCK BASE &
12" STABILIZED SUBRAGE

RECONSTRUCT 75 SY OF
DRIVEWAY W/ 1.5" THICK
ASPHALT SP 9.5
(RESTORE PAVEMENT MARKINGS)

BELLE ST.

NOTE:
CONTRACTOR TO FIELD VERIFY
EXISTING UNDERGROUND
UTILITIES BEFORE INSTALLATION
OF PROPOSED DRAINAGE PIPE.

DUGOUT

POND BOTTOM
X:438114.46
Y:2058707.87
EL. 22.00'

POND BOTTOM
X:438109.37
Y:2058709.96
EL. 22.00'

POND BOTTOM
X:437946.55
Y:2058642.89
EL. 22.00'

POND BOTTOM
X:438003.49
Y:2058504.67
EL. 22.00'

SWMF AREAS
EL. 22.0 - 28159.15 SF
EL. 22.5 - 31611.11 SF

COURT SURFACE
X:437989.38
Y:2058486.41
EL. 23.10'

TEMPORARY
CONSTRUCTION
ENTRANCE
(SEE DETAIL SHEET)

RECONSTRUCT 30 LF
OF CONC. CURB

COURT SURFACE
X:437933.90
Y:2058463.55
EL. 23.70'

EXIST. R/W LINE

CITIZEN ST.

EXIST. R/W LINE

MARTIN LUTHER KING JR. BLVD.

EXIST. R/W LINE

EXIST. R/W LINE

EXIST. R/W LINE

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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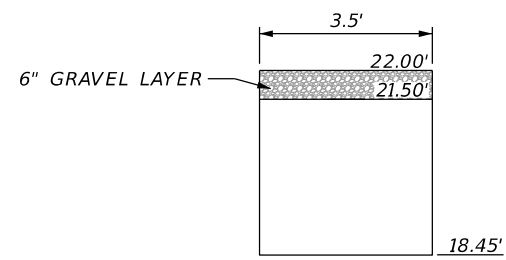


PREPARED FOR
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ENGINEERING DEPARTMENT
AND PUBLIC WORKS**

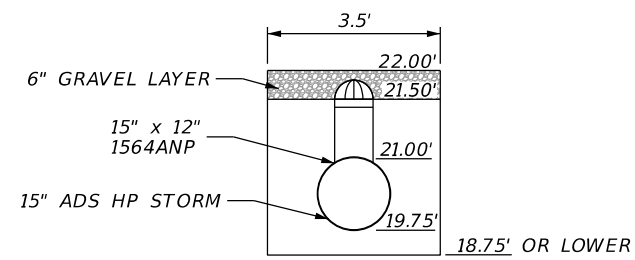
SITE AND DRAINAGE PLAN

SHEET
NO.

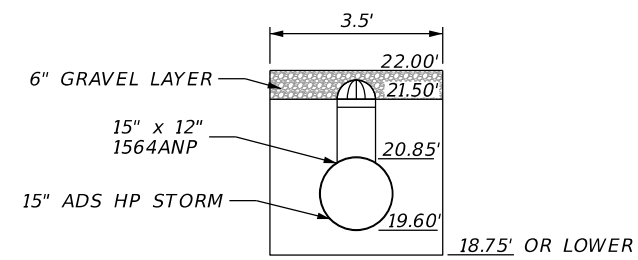
7



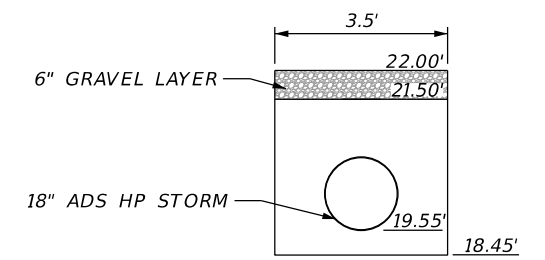
A
SECTION DETAIL
8 | 7
N.T.S.



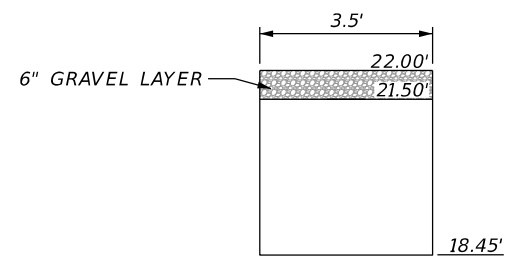
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S-1 SECTION DETAIL
8 | 7
N.T.S.



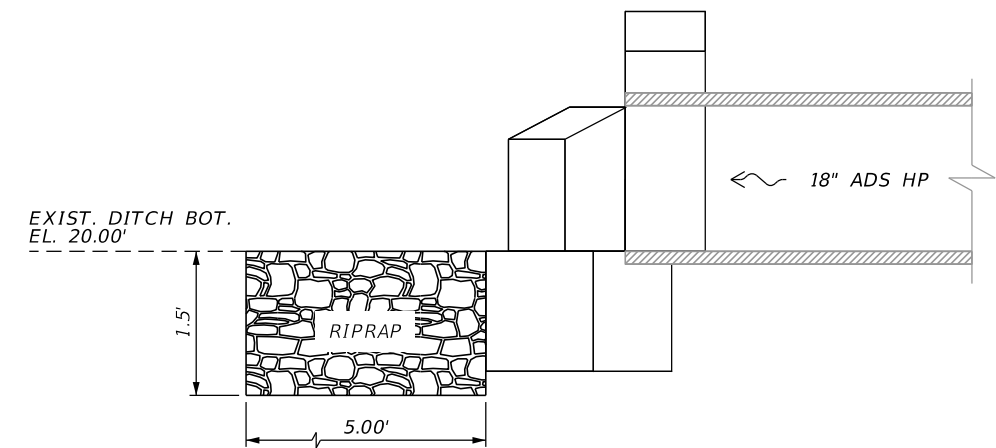
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S-2 SECTION DETAIL
8 | 7
N.T.S.



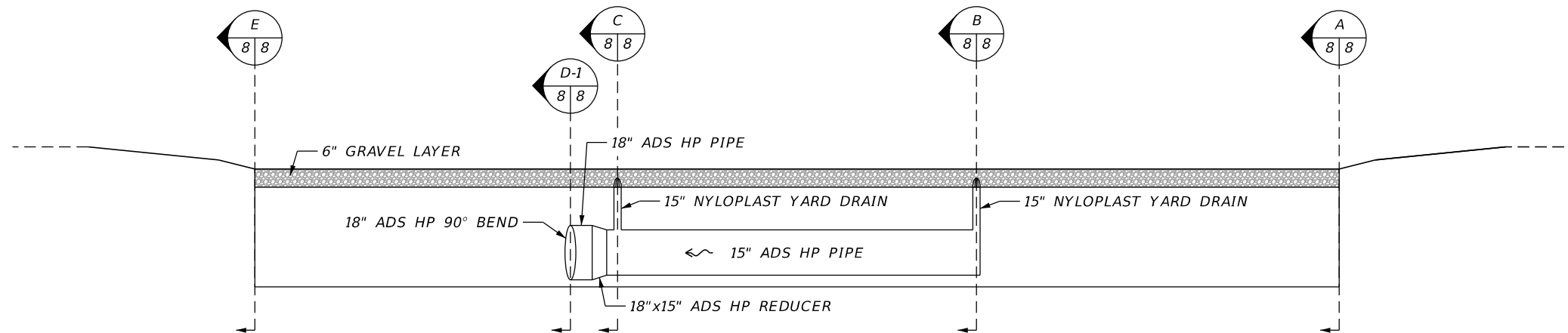
D-1
SECTION DETAIL
8 | 7
N.T.S.




E
SECTION DETAIL
8 | 7
N.T.S.

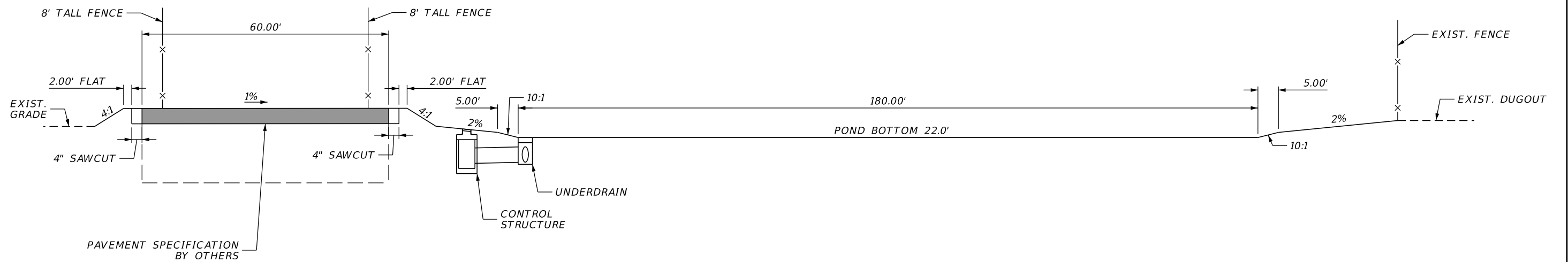


S-5 (CONC. WINGED ENDWALL 45°) SECTION DETAIL
N.T.S.



F
SECTION DETAIL
7 | 9
N.T.S.

REVISIONS				RITA BAHUNYADI, P.E. P.E. LICENSE NUMBER 77892 GAI CONSULTANTS, INC. 12574 FLAGLER CENTER BLVD - SUITE 202 JACKSONVILLE, FL 32258	 PREPARED FOR CLAY COUNTY ENGINEERING DEPARTMENT AND PUBLIC WORKS	SECTION DETAILS (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				8



F
9/7 SECTION DETAIL
N.T.S.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RITA BANHUYADI, P.E
P.E. LICENSE NUMBER 77892
GAI CONSULTANTS, INC.
12574 FLAGLER CENTER BLVD - SUITE 202
JACKSONVILLE, FL 32258

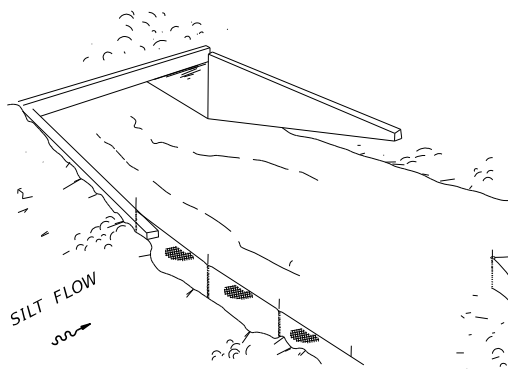


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SECTION DETAILS (2)

SHEET
NO.

9



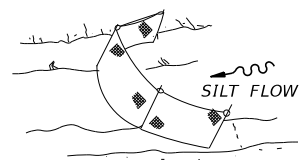
TYPE III SILT FENCE

NOTES:

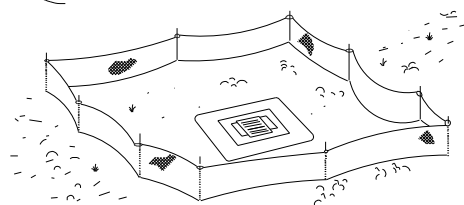
- DO NOT DEPLOY IN A MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.

SILT FENCE APPLICATIONS

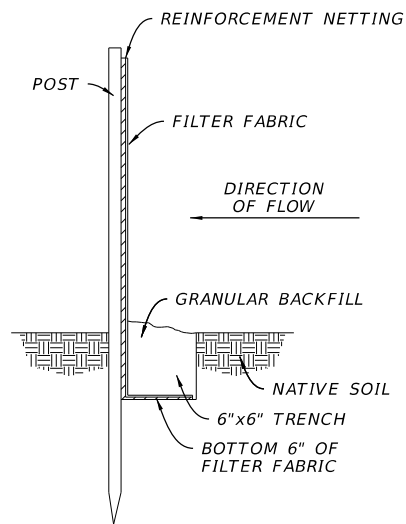
SCALE: NTS



TYPE III SILT FENCE

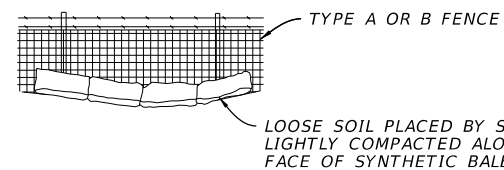


TYPE III SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS



SILT BARRIER DETAIL

SCALE: NTS

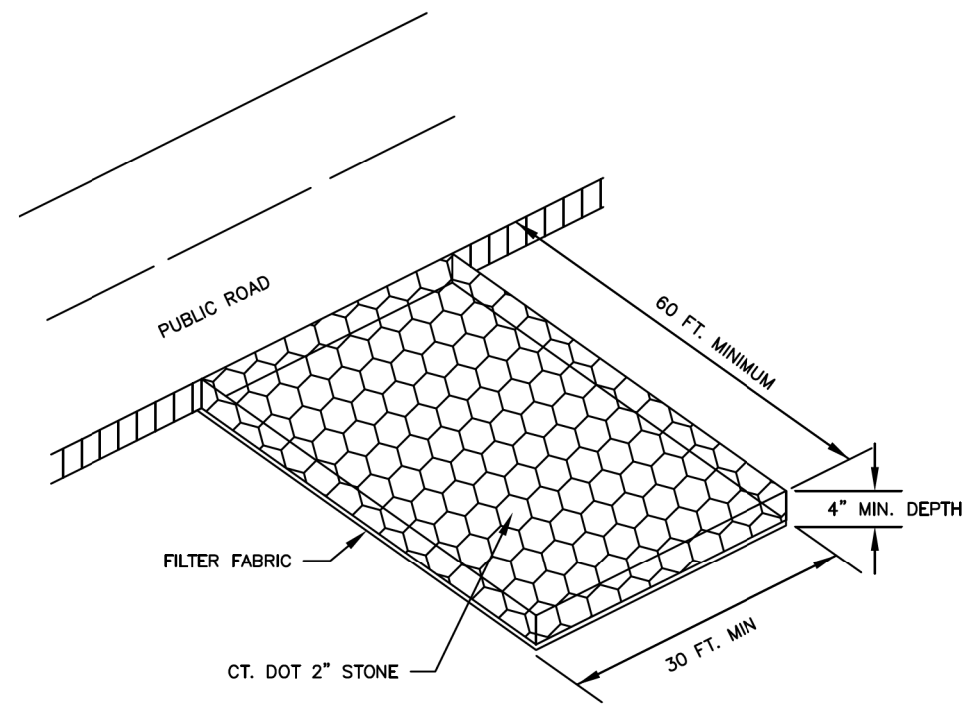


NOTES:

- SYNTHETIC BALES TO BE STAKED AT THE DIRECTION OF THE ENGINEER

SYNTHETIC BALES BACKED BY FENCE

SCALE: NTS

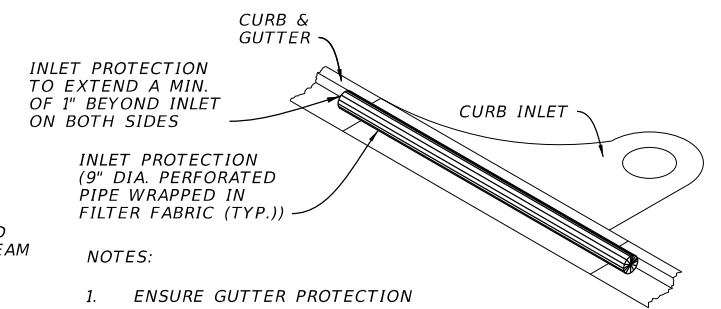


NOTE:

CONTRACTOR IS RESPONSIBLE FOR REGULAR MAINTENANCE OF THE ANTI-TRACKING PAD THROUGHOUT CONSTRUCTION. ROADS ARE TO BE FREE OF TRACKED DIRT, MUD & DEBRIS.

CONSTRUCTION ENTRANCE DETAIL

SCALE: NTS



INLET PROTECTION TO EXTEND A MIN. OF 1' BEYOND INLET ON BOTH SIDES

INLET PROTECTION (9" DIA. PERFORATED PIPE WRAPPED IN FILTER FABRIC (TYP.))

NOTES:

- ENSURE GUTTER PROTECTION EXTENDS A MIN. OF 1' BEYOND CURB INLET.

INLET PROTECTION

SCALE: NTS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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12574 FLAGLER CENTER BLVD - SUITE 202
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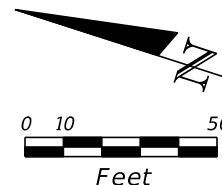
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DETAIL SHEET

SHEET NO.
10



EXIST. R/W LINE

LEMON ST.



EXIST. R/W LINE

LEGEND

-  PULLBOX
-  CONDUIT

NOTES:

1. CONTRACTOR TO FIELD VERIFY POINT OF CONNECTION FOR CONDUIT TO BUILDING
2. LIGHT POLES TO BE FURNISHED AND INSTALLED BY OTHERS

THOMAS HOGANS
MEMORIAL GYMNASIUM/
LEARNING RESOURCE
CENTER

PARKING LOT

EXIST. R/W LINE

BELLE ST.

EXIST. R/W LINE

MARTIN LUTHER KING JR. BLVD.

EXIST. R/W LINE

EXIST. R/W LINE

EXIST. R/W LINE

EXIST. R/W LINE

CITIZEN ST.

EXIST. R/W LINE

DUGOUT

DUGOUT

INSTALL 521 LF OF CONDUIT

INSTALL (1) PULLBOX

INSTALL (1) PULLBOX

INSTALL (1) PULLBOX

INSTALL (1) PULLBOX

INSTALL (1) PULLBOX

INSTALL (1) PULLBOX

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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LIGHTING PLAN

SHEET NO.
11