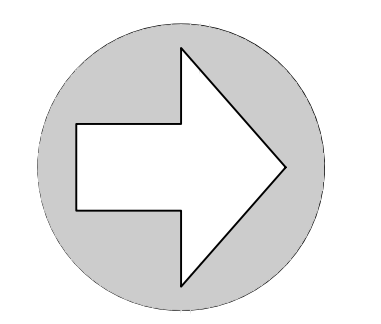


TOPOGRAPHIC SURVEY NOTES:

1. NORTH, THE GRID, AND THE COORDINATES SHOWN HEREON ARE REFERENCED TO THE NORTH ZONE OF THE FLORIDA STATE PLANE COORDINATE SYSTEM, NAD 83, 2011 ADJUSTMENT.
2. ELEVATIONS ARE TO NORTH AMERICAN VERTICAL DATUM OF 1988.
3. THIS TOPOGRAPHIC SURVEY WAS PREPARED BY PHOTOGAMMETRIC AND LIDAR METHODS. SEE THE ATTACHED REPORT FOR MAP ACCURACY AND SURVEYOR'S SIGNATURE AND SEAL.
4. FLIGHT DATE: 8/23/22

LEGEND	
	EXISTING CONTOUR ELEVATION
	EXISTING MONITORING WELL
	CURRENT WORKING AREA



NORTH
SCALE: 1" = 100'
0 50 100 200
GRAPHIC SCALE

No.	Date	Comment

THE REPA HAS BEEN ORIGINALLY BEING AND SEALED BY SERGIO J. REYES, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Professional Engineer of Record:

Sergio J. Reyes, P.E. 47311
Engineer Certificate No.

Project No: 16-141

Project phase: COUNTY SUBMITTAL

Project title:

**WATSON C & D FACILITY
ALACHUA COUNTY,
FLORIDA**

Sheet title:
EXISTING CONDITIONS

Designed: SJR Sheet No.:

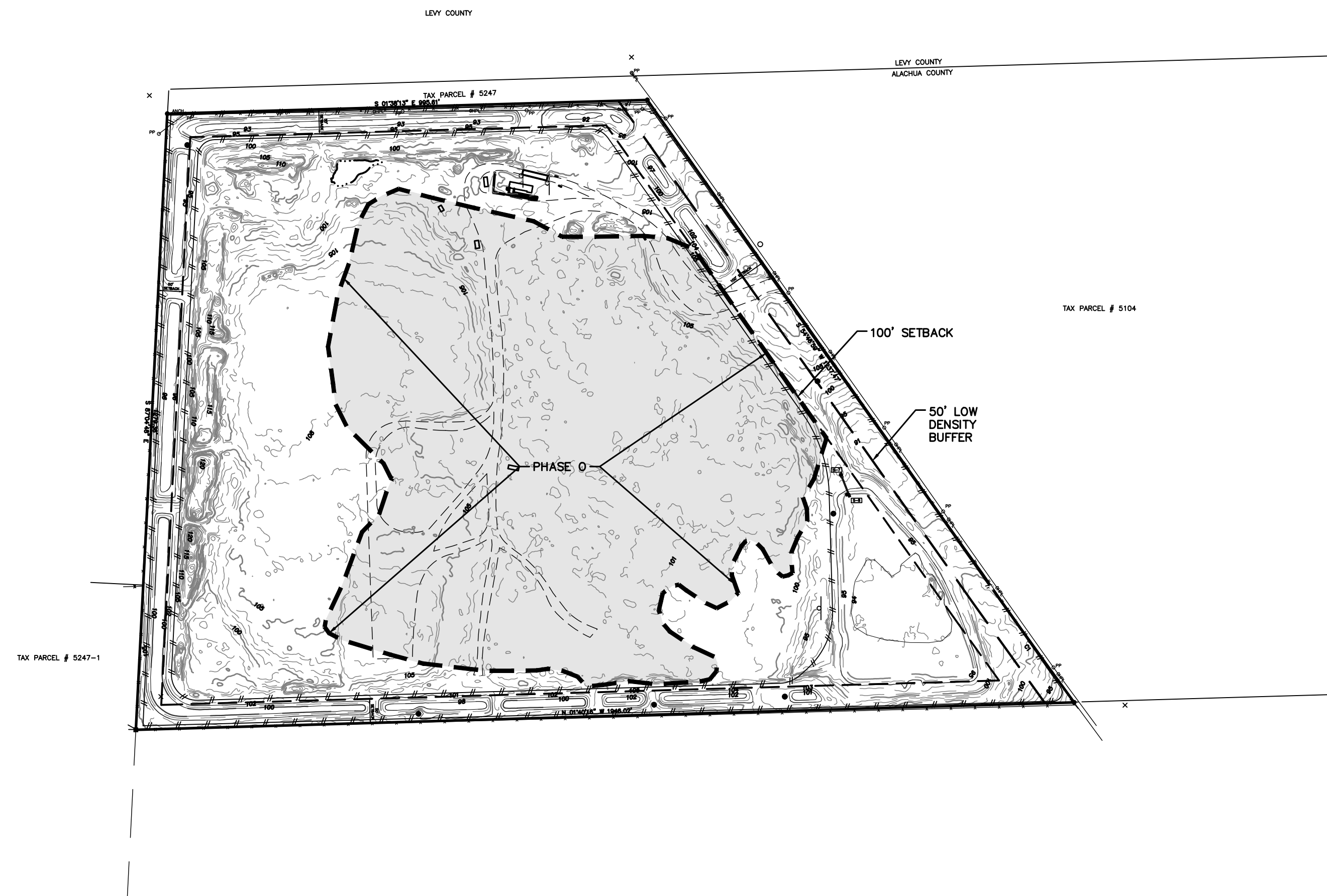
Drawn: STG/DHS

Checked: TAR

Date: 06/05/23

C100

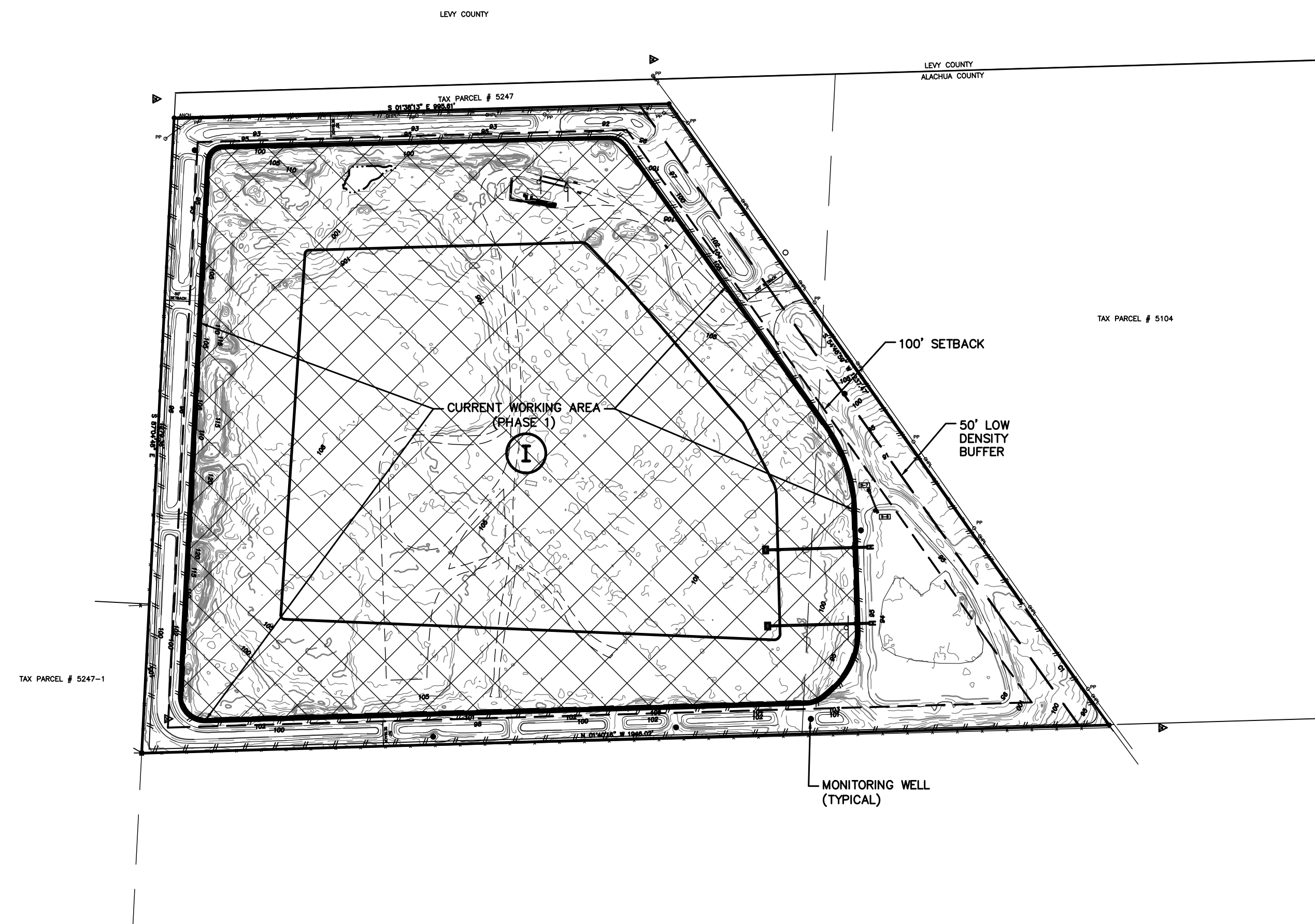
\\server3\engprojects\Watson C & D\Plans\Plan Sets\2023 - County Site & DEP Permit Plan\W161411.dwg, C100 - EXIST COND. 5/22/2023 9:20:15 AM, TAR



**PHASE 0
(COMPLETED)
AREA BELOW GRADE**

NOTES

- EXISTING DISPOSAL UNITS**
THE FACILITY IS STILL WORKING IN PHASE 0, WHICH IS FILLING THE DISPOSAL AREA UP TO NATURAL GRADE.
- PHASING PLAN**
PHASE 0:
THE BASIC FILLING PLAN IS TO FILL PHASE 0 TO NATURAL GRADE AND START MOVING CLOCKWISE FILLING AREAS, LEAVING THE EXISTING HAULING ROUTE INTACT.
FILLING TO NATURAL GRADE WILL START ON THE NORTH SIDE. ONCE NATURAL GRADE HAS BEEN REACHED, A CAP OF 6" WILL BE PLACED ON TOP. ONCE EACH AREA HAS BEEN FILLED TO NATURAL GRADE A CAP OF 6" WILL BE PLACED ON TOP.
ALL AREAS WILL BE FILLED WITH CONSTRUCTION AND DEMOLITION MATERIAL AS DEFINED IN 62.701 AND WILL HAVE A MAXIMUM SLOPE OF 4:1.
PRIOR TO PLACING FILL ABOVE THE NATURAL GRADE, THE 6" CLAY CAP WILL BE PLACED AND GRADED THROUGHOUT ENTIRE PHASE 0.



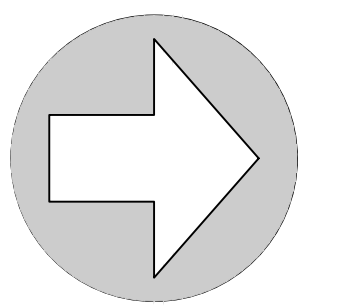
**PHASE 1
(CURRENT WORKING AREA)
AREA ABOVE GRADE**

NOTES

- PROPOSED DISPOSAL UNITS**
UNDER THE CURRENT PERMIT CONDITIONS THE PROPOSED DISPOSAL AREA IS PHASE 1.
- PHASING PLAN**
FINAL COVER:
ONCE PHASE 1 CAPPED, ADDITIONAL MATERIAL WILL BE PLACED ON THE TOP AND GRADED IN ACCORDANCE WITH THE FINAL GRADING PLAN.
STORMWATER FACILITIES:
ALL THE PERIMETER STORMWATER FACILITIES ARE ALREADY CONSTRUCTED WITH PHASE 0.
SUBGRADE:
THE 6" CLAY CAP SUBGRADE WILL BE PLACED AND GRADED THROUGHOUT THE ENTIRE PHASE 0 PRIOR TO THE START OF ANY ABOVE NATURAL GRADE FILLING (COMPLETED).
RECLAMATION PLAN
ALLOW COMPLETION OF FILL ACTIVITIES IN THIS PHASE, THE EXPOSED AREAS WILL BE GRASSED BY SEEDING AND OR SOODING. THE APPROPRIATE GRASSING METHOD WILL BE DETERMINED BY THE FACILITY AT THE TIME OF PLACEMENT AND SHALL OCCUR WITHIN 180 DAYS OF THE PHASE CEASING TO RECEIVE WASTE.



EB 2389
720 S.W. 2nd Ave., South Tower, Suite 300
GAINESVILLE, FLORIDA 32601
TEL: 352.373.3541
www.edafl.com mail@edafl.com



NORTH

SCALE: 1" = 200'



GRAPHIC SCALE

No.	Date	Comment

THIS PLAN HAS BEEN ORIGINALLY RECORDED AND SEALED BY SERGIO J. REYES, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Professional Engineer of Record:

Sergio J. Reyes, P.E. 47311
Engineer Certificate No.

Project No: 16-141

Project phase: COUNTY SUBMITTAL

Project title:

WATSON C & D FACILITY
ALACHUA COUNTY,
FLORIDA

Sheet title:
DISPOSAL AREAS AND PHASING
PLAN

Designed: SJR Sheet No.:

Drawn: STG/DHS

Checked: TAR

Date: 06/05/23

C110

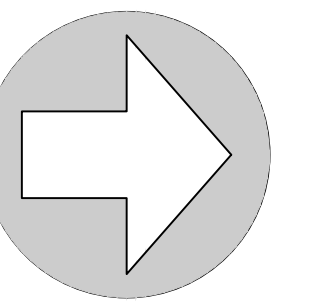
\\server3\engprojects\Watson C & D\Plans\Plan Sets\2023 - County Site & DEP Permit Plan\W161411.dwg, C200 - AERIAL, 5/22/2023 9:20:23 AM, TAR



NOTE:
SITE AERIAL PHOTOGRAPH PROVIDED BY PICKETT SURVEYING 2022
SURROUNDING AERIAL PHOTOGRAPH MICROSOFT 2023



EB 2389
720 S.W. 2nd Ave, South Tower, Suite 300
GAINESVILLE, FLORIDA 32601
TEL: (352) 373-3541
www.eda.com mail@eda.com



NORTH

SCALE: 1" = 200'



GRAPHIC SCALE

No.	Date	Comment

THIS ITEM HAS BEEN CAREFULLY REVIEWED AND SEALED BY SERGIO J. REYES, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Professional Engineer of Record:

Sergio J. Reyes, P.E. 47311
Engineer Certificate No.

Project No: 16-141

Project phase: COUNTY SUBMITTAL

Project title:

WATSON C & D FACILITY
ALACHUA COUNTY,
FLORIDA

Sheet title:
AERIAL PHOTOGRAPH

Designed: SJR Sheet No.:

Drawn: STG/DHS

Checked: TAR

Date: 06/05/23

C200

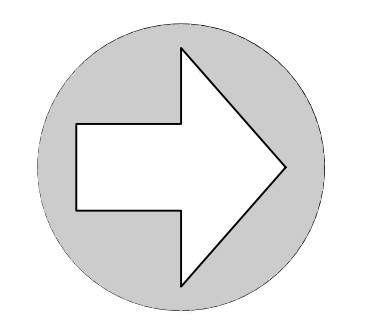
LEVY COUNTY

LEVY COUNTY
ALACHUA COUNTY

NOTES:
1. SEE SHEET C3.00 FOR CROSS SECTIONS.

STORMWATER STRUCTURE SCHEDULE

S-1 TYPE C INLET FDOT INDEX 232 TOP EL.=136.75 N. INV.=131.50	S-4 TYPE C INLET FDOT INDEX 232 TOP EL.=136.60 N. INV.=131.50	S-7 MITTERED END SECTION FDOT INDEX 273 INV.=95.00
S-2 TYPE P-8 MANHOLE FDOT INDEX 200 TOP EL.=99.50 N. INV.=95.15 N. INV.=95.15	S-5 TYPE P-8 MANHOLE FDOT INDEX 200 TOP EL.=99.50 N. INV.=95.15 N. INV.=95.15	S-8 MITTERED END SECTION FDOT INDEX 273 INV.=94.00
S-3 TYPE U-CONCRETE ENDWALL FDOT INDEX 261 INV.=94.00	S-6 TYPE U-CONCRETE ENDWALL FDOT INDEX 261 INV.=94.00	



SCALE: 1" = 80'
0 40 80 160
GRAPHIC SCALE

No.	Date	Comment

THE PLAN HAS BEEN DIGITALLY REPRODUCED AND SEALED BY SERGIO J. REYES, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Professional Engineer of Record:

Sergio J. Reyes, P.E. 47311
Engineer Certificate No.

Project No: 16-141

Project phase: COUNTY SUBMITTAL

Project title:

WATSON C & D FACILITY
ALACHUA COUNTY,
FLORIDA

Sheet title:

PROPOSED SITE PLAN

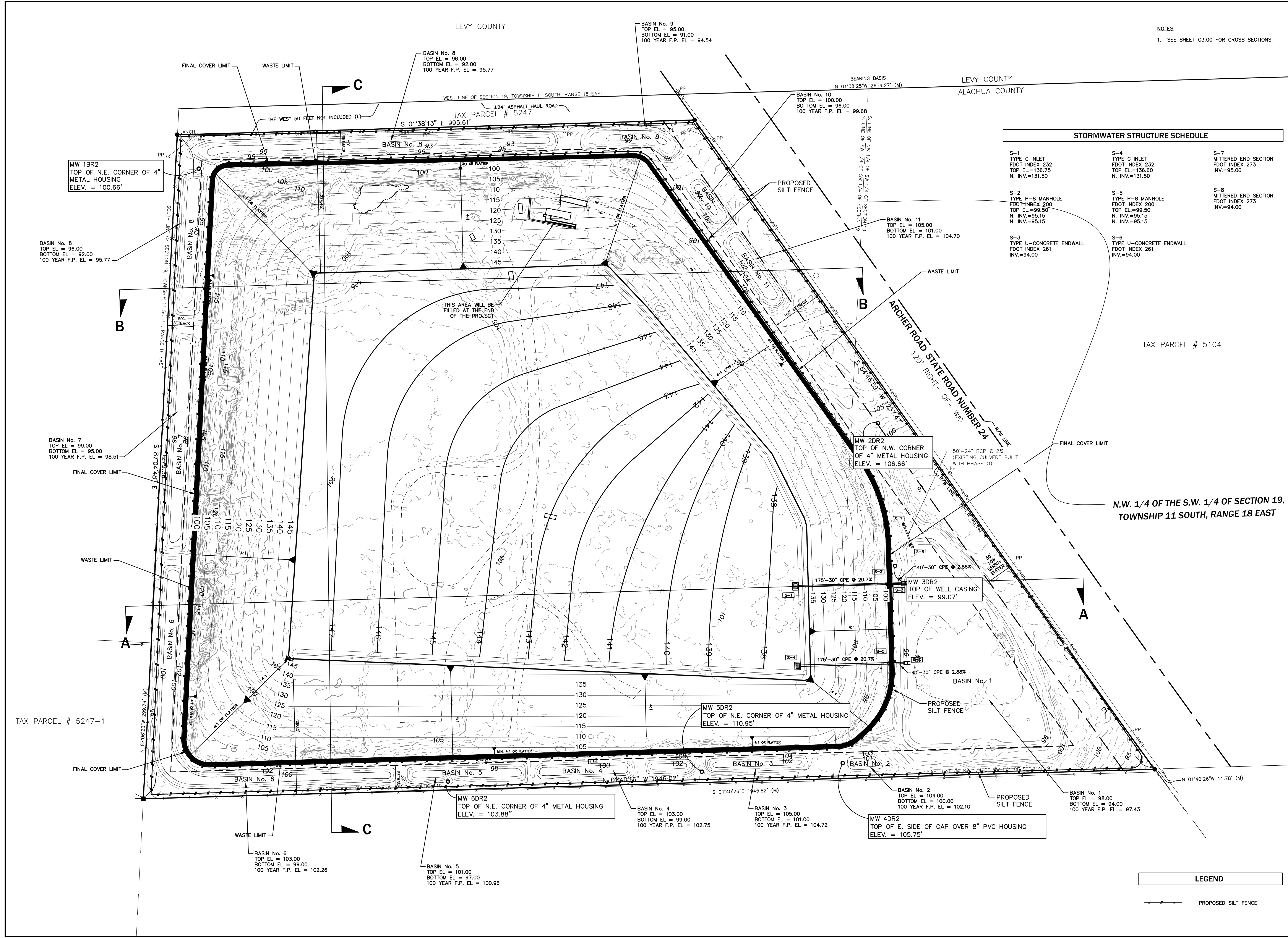
Designed: SJR Sheet No.:

Drawn: STG/DHS

Checked: TAR

Date: 06/05/23

C210



\\server3\engprojects\Watson C & D\Plans\Plan Sets\2023 - County Site & DEP Permit Plan\W161411.dwg, C210 - SITE PLAN, 5/22/2023 9:20:31 AM, TAR

LEVY COUNTY

LEVY COUNTY
ALACHUA COUNTY

WEST LINE OF SECTION 19, TOWNSHIP 11 SOUTH, RANGE 18 EAST

±24' ASPHALT HAUL ROAD

TAX PARCEL # 5247

S 01°38'13" E 995.61'

THE WEST 50 FEET NOT INCLUDED (L)

BEARING BASIS
N 01°38'25" W 2654.27' (M)

S. LINE OF NW 1/4 OF SW 1/4 OF SECTION 19
N. LINE OF SW 1/4 OF SW 1/4 OF SECTION 19

MW 1BR2
TOP OF N.E. CORNER OF 4" METAL HOUSING
ELEV. = 100.66'

SCALE

SCALE HOUSE

PROPOSED SILT FENCE

HAUL ROAD

CURRENT WORKING AREA (PHASE 1)

SHIPPING CONTAINER

MW 2DR2
TOP OF N.W. CORNER OF 4" METAL HOUSING
ELEV. = 106.66'

50'-24" RCP @ 2%
(EXISTING CULVERT BUILT WITH PHASE 0)

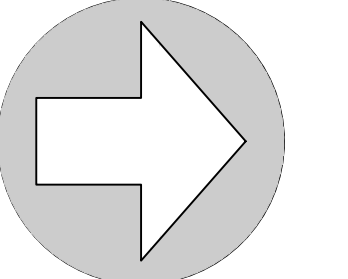
ARCHER ROAD STATE ROAD NUMBER 24
120' RIGHT-OF-WAY

TAX PARCEL # 5104

N.W. 1/4 OF THE S.W. 1/4 OF SECTION 19,
TOWNSHIP 11 SOUTH, RANGE 18 EAST



EB 2389
720 S.W. 2nd Ave., South Tower, Suite 300
GAINESVILLE, FLORIDA 32601
TEL. (352) 373-3541
www.edafl.com mailed@edafl.com



NORTH

SCALE: 1" = 80'



GRAPHIC SCALE

No.	Date	Comment

THE PERMITS HAS BEEN DIGITALLY SIGNED AND SEALED BY SERGIO J. REYES, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Professional Engineer of Record:

Sergio J. Reyes, P.E. 47311
Engineer Certificate No.

Project No: 16-141

Project phase: COUNTY SUBMITTAL

Project title: WATSON C & D FACILITY ALACHUA COUNTY, FLORIDA

Sheet title: EROSION AND SEDIMENTATION CONTROL PLAN AND SITE PLAN

Designed: SJR Sheet No.:

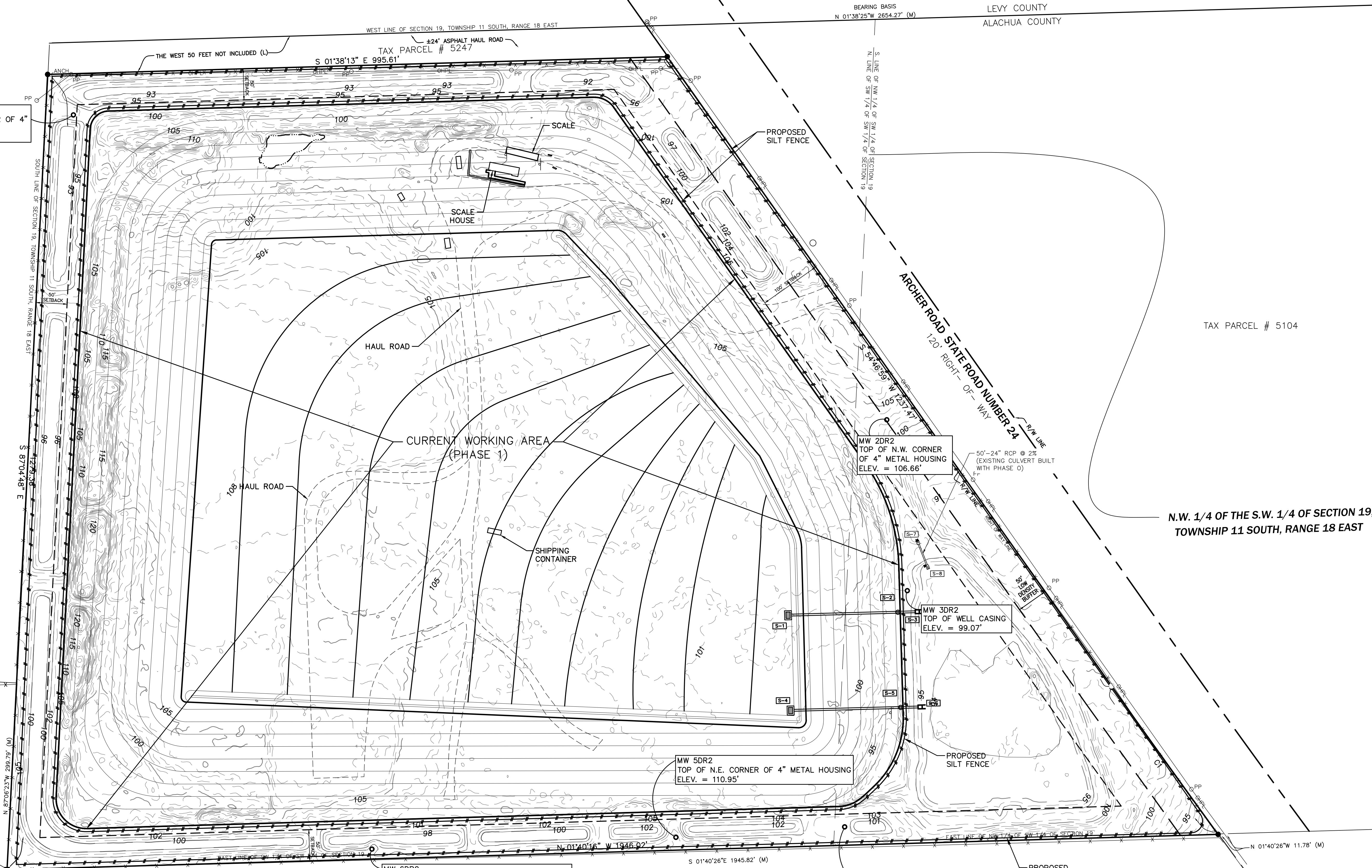
Drawn: STG/DHS

Checked: TAR

Date: 06/05/23

C220

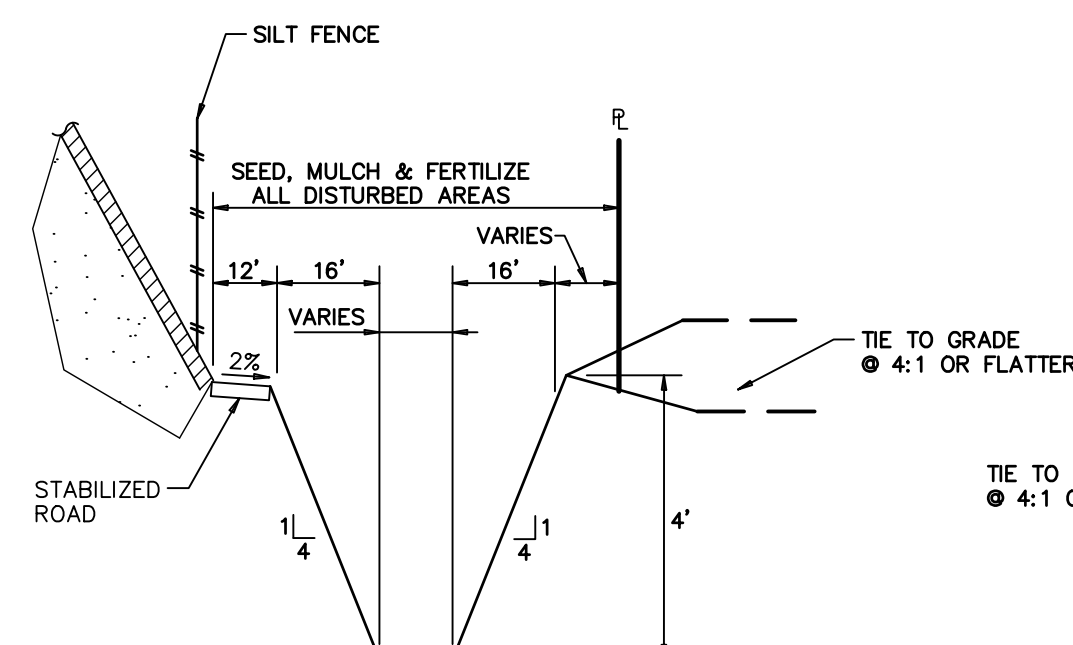
TAX PARCEL # 5247-1



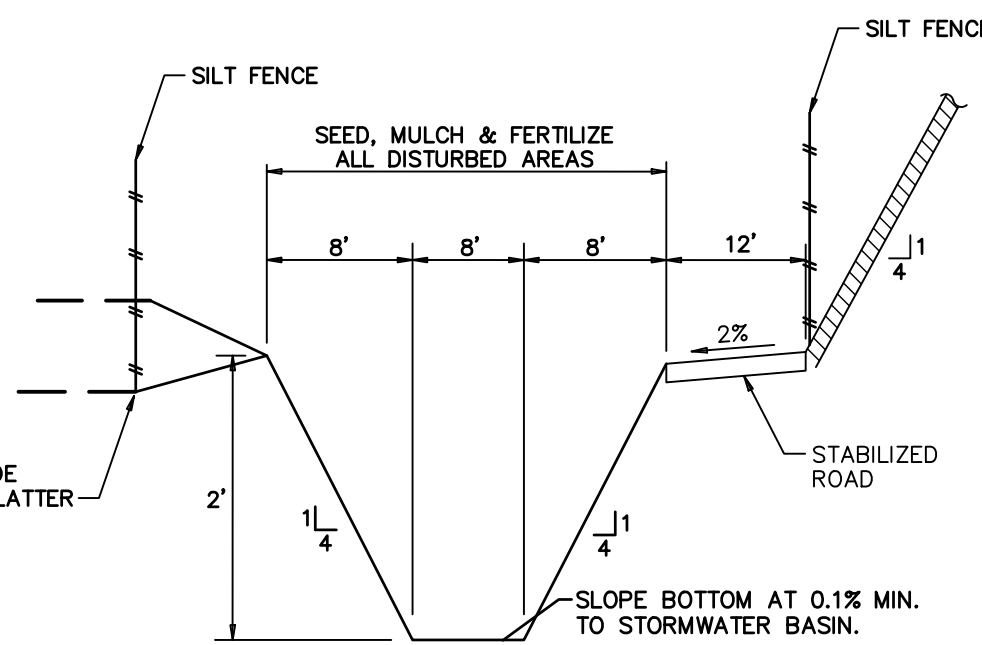
LEGEND

--- PROPOSED SILT FENCE

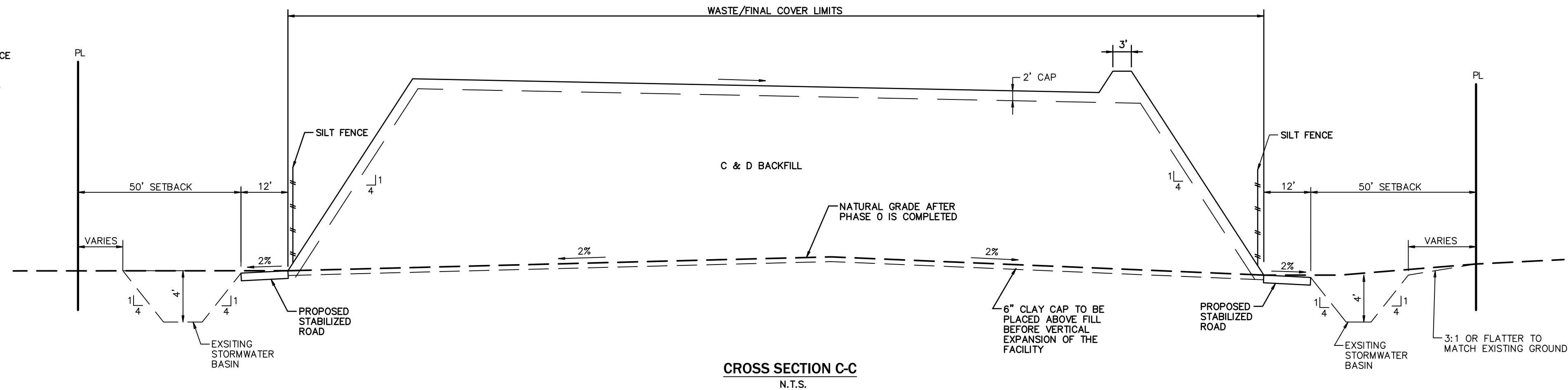
\\server3\engprojects\Watson C & D\Plans\Plan Sets\2023 - County Site & DEP Permit Plan\W161411.dwg, C220 EROSION AND SEDIMENTATION CONTROL PLAN, 5/22/2023 9:20:35 AM, TAR



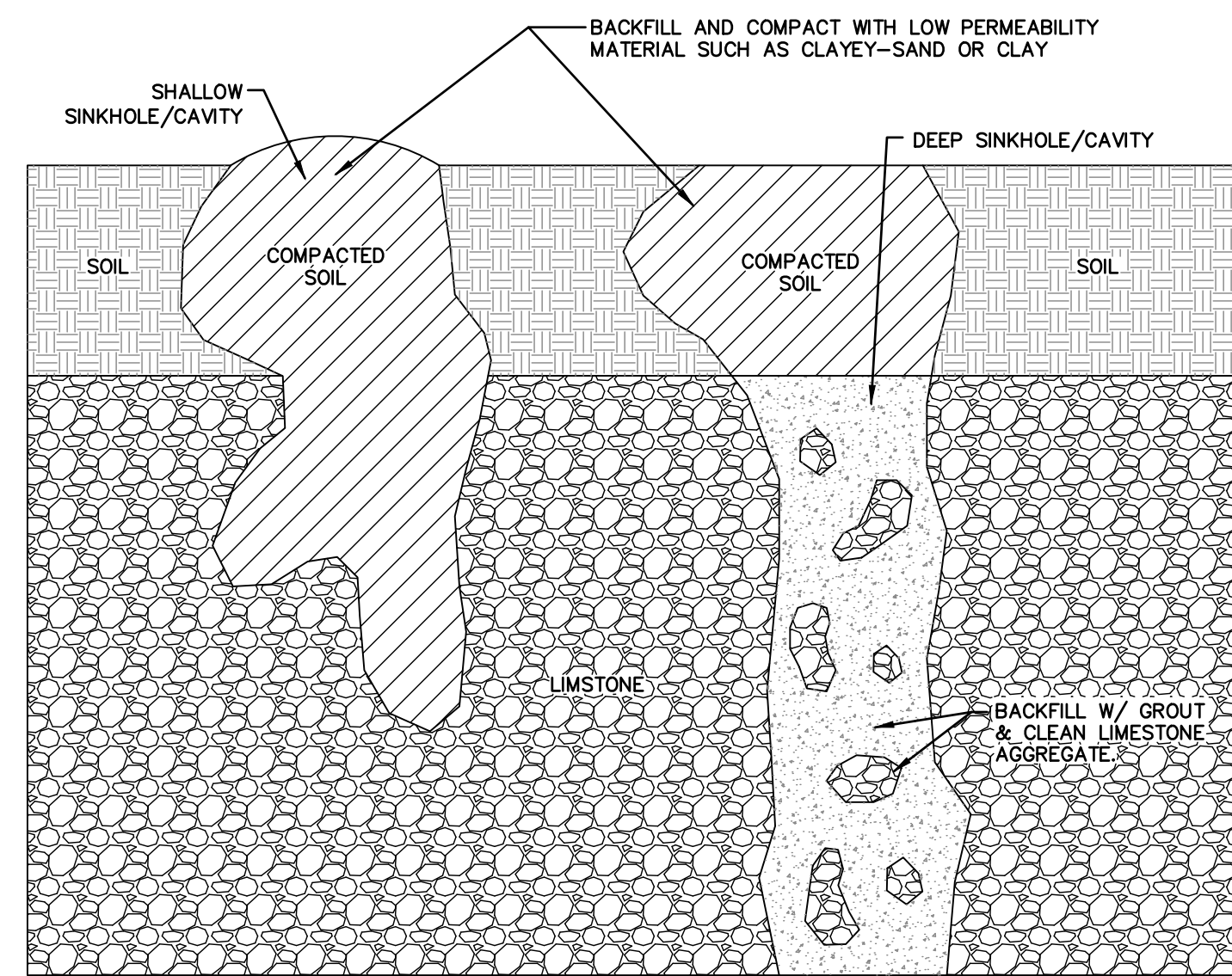
PERIMETER BASIN
H: 1"=30', V: 1"=3'



CONVEYANCE SWALE
N.T.S.

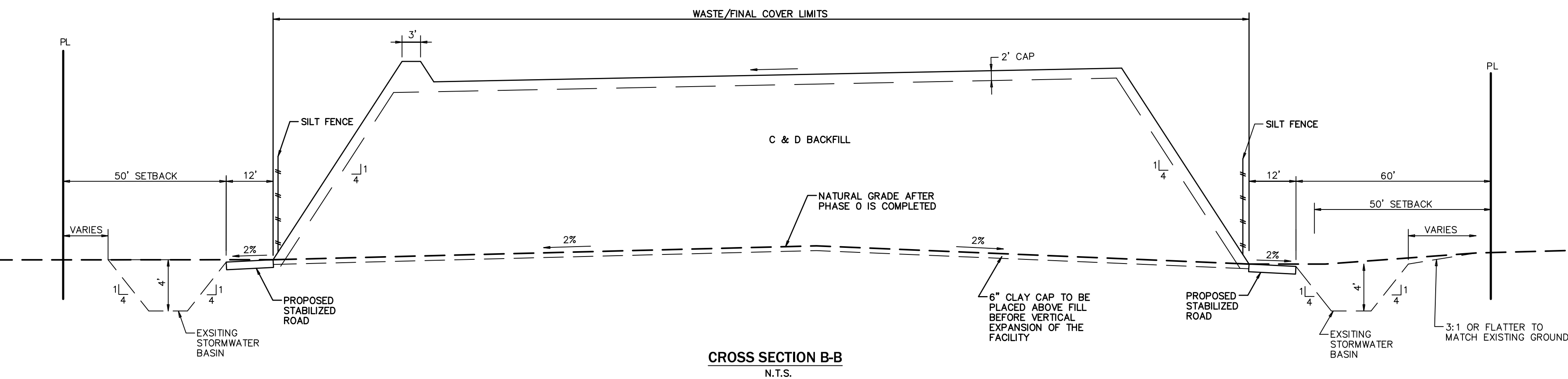


CROSS SECTION C-C
N.T.S.

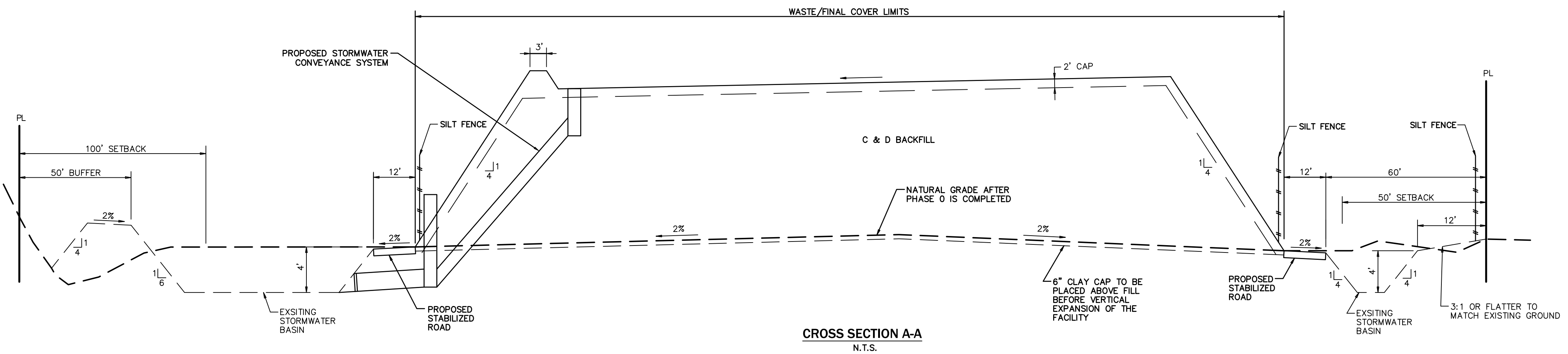


SECTION VIEW

SHALLOW AND DEEP SINKHOLE/CAVITY MAINTENANCE REPAIR DETAIL
N.T.S.



CROSS SECTION B-B
N.T.S.



CROSS SECTION A-A
N.T.S.

EROSION & SEDIMENTATION CONTROL NOTES

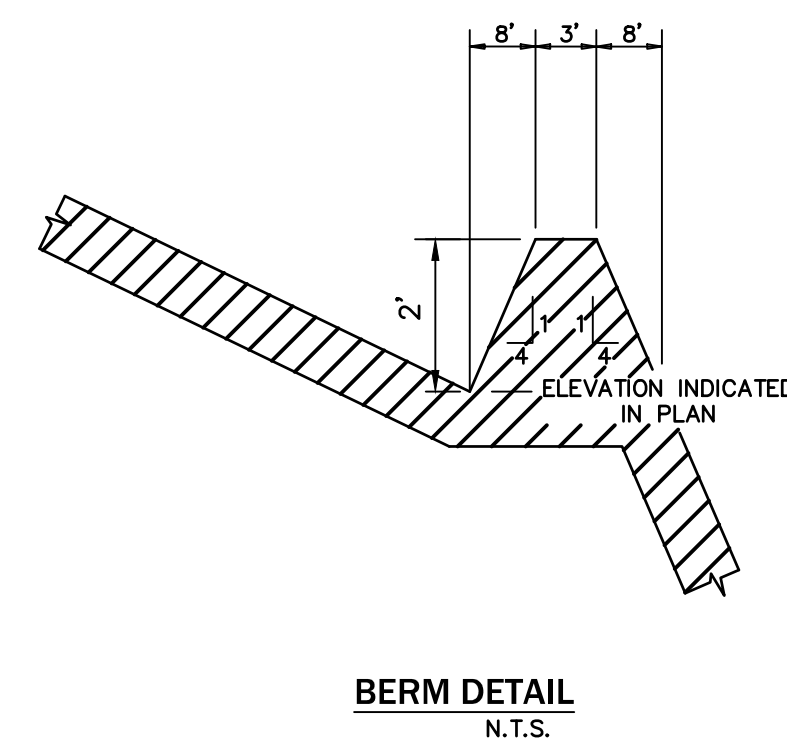
- SILT FENCING AND/OR STAKED HAYBALES SHALL BE CONSTRUCTED WHERE SHOWN ON THE DRAWINGS PRIOR TO STARTING CONSTRUCTION.
- ALL STORMDRAIN INLETS SHALL BE PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH F.D.O.T. INDEX 102.
- THE STORMPIPE SYSTEM SHALL BE FLUSHED OUT TO REMOVE ALL ACCUMULATED DEBRIS AND SEDIMENT UPON COMPLETION OF CONSTRUCTION.
- THE DRAINAGE BASIN BOTTOM SHALL BE SCRAPED CLEAN OF ALL ACCUMULATED SEDIMENT UPON COMPLETION OF CONSTRUCTION AFTER THE STORMDRAIN SYSTEM IS COMPLETELY FLUSHED OUT.
- ALL DISTURBED AREAS IN THE CONSTRUCTION AREA SHALL BE COMPLETELY GRASSED BY COMPLETION OF CONSTRUCTION. EVIDENCE OF GROWTH MUST BE PRESENT PRIOR TO FINAL RELEASE. SEASONAL GRASSES (I.E. WINTER RYE, SUMMER MILLET) SHALL BE USED AS NECESSARY.
- TEMPORARY SEEDING WILL TAKE PLACE IN ALL FILL AREAS.
- STOCK PILING AND/OR STORAGE OF MATERIAL DURING CONSTRUCTION SHALL NOT IMPEDE STORMWATER FLOW AND SHALL NOT CAUSE EROSION.

MAINTENANCE NOTES

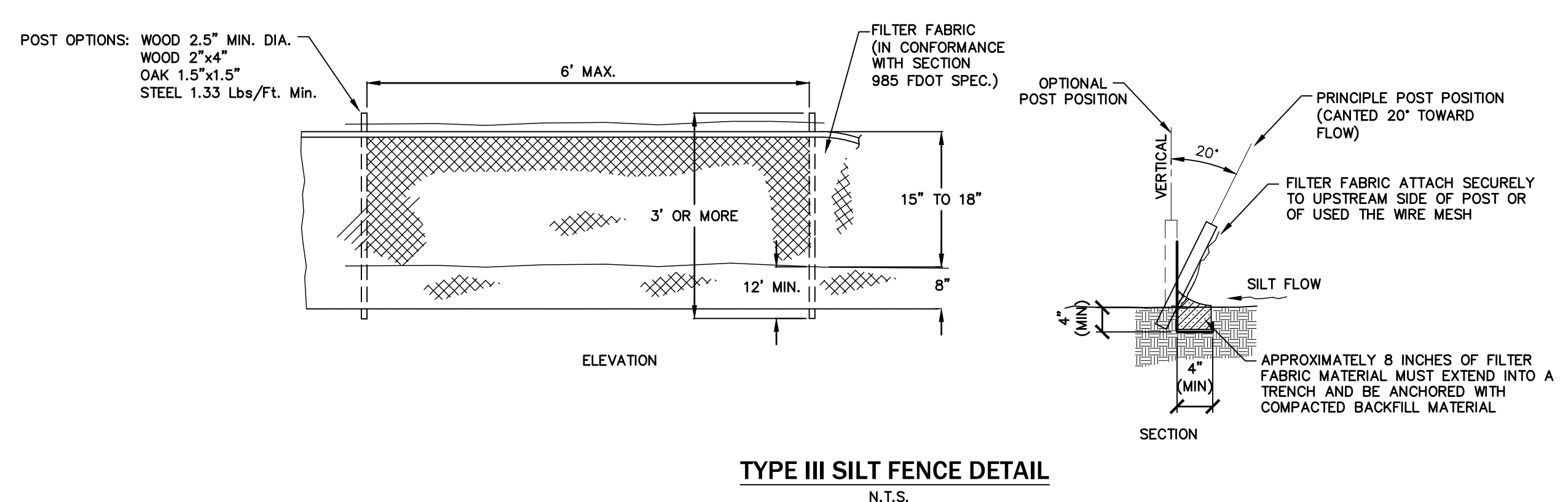
- MAINTENANCE RESPONSIBILITY:**
WATSON C & D, L.L.C., INC. WILL BE THE ENTITY RESPONSIBLE FOR THE MAINTENANCE OF THE EXISTING STORMWATER MANAGEMENT SYSTEM.
- MAINTENANCE PLAN:**
 - BASINS SHALL BE MOWED REGULARLY TO AVOID EXCESSIVE VEGETATIVE GROWTH. MOWING SCHEDULE SHOULD BE MONTHLY DURING WINTER MONTHS AND MORE FREQUENTLY (BIWEEKLY) DURING SUMMER MONTHS.
 - BASIN SHALL BE CLEANED OUT ANNUALLY OF ANY ACCUMULATED SEDIMENTATION BUILDUP. IF THE BASINS ARE SHOWING EXCESSIVE SEDIMENTATION ACCUMULATION AT THE BASIN BOTTOM, THE BASIN BOTTOM SHALL BE SCRAPED CLEAN MORE OFTEN AS THE CONDITION DICTATES.
 - BASIN SIDE SLOPES SHALL BE MAINTAINED WITH A GOOD STAND OF GRASS. SEASONAL GRASSES SHALL BE PLANTED TO AVOID EROSION (WINTER RYE, SUMMER MILLET).
 - BASIN THAT DO NOT DRAWDOWN PROPERLY AND MAINTAIN STANDING WATER FOR AN EXTENDED PERIOD OF TIME MAY REQUIRE REMEDIAL ACTION. THE ENGINEER SHALL BE NOTIFIED TO HELP COORDINATE REMEDIAL ACTION IN THE EVENT THIS OCCURS.

BASIN LIMEROCK OUTCROP/SINKHOLE CONSTRUCTION NOTES

- IN THE EVENT THAT LIMEROCK OUTCROP IS ENCOUNTERED DURING CONSTRUCTION OF THE RETENTION BASINS, THE FOLLOWING TREATMENT SHALL BE PERFORMED. THE LIMEROCK OUTCROP SHALL BE EXCAVATED TO AN ELEVATION OF THREE (3) FEET BELOW THE DESIGN BASIN BOTTOM. THE EXCAVATED AREA SHALL BE BACKFILLED TO THE DESIGN BASIN BOTTOM ELEVATION WITH CLAYEY-SAND/SAND-CLAY (AASHTO SOIL GROUP A-2) SOILS. A MIXTURE OF THE BACKFILL MATERIAL SHALL BE PLACED IN SIX INCH LIFTS AND ROLLED WITH HEAVILY LOADED RUBBER Tired EQUIPMENT. THE SUWANEE RIVER WATER MANAGEMENT DISTRICT, THE ALACHUA COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT AND THE ALACHUA COUNTY PUBLIC WORKS DEPARTMENT SHALL BE NOTIFIED WHEN LIMEROCK OUTCROPS ARE ENCOUNTERED AND PRIOR TO COMMENCING REMEDIAL ACTION.
- IN THE EVENT THAT ANY KARST FEATURES SUCH AS SOLUTION CAVITIES, CHIMNEYS OR SINKHOLES APPEAR IN THE RETENTION BASIN, THE FOLLOWING ACTIONS SHALL BE REQUIRED:
 - THE CIVIL ENGINEER, THE SRWMD MANAGEMENT DISTRICT, THE ALACHUA COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT AND THE ALACHUA COUNTY PUBLIC WORKS DEPARTMENT SHALL BE NOTIFIED WHEN THE FEATURE IS ENCOUNTERED PRIOR TO REMEDIAL ACTION.
 - A LICENSED GEOTECHNICAL ENGINEERING FIRM SHALL BE RETAINED TO EVALUATE THE SIGNIFICANCE OF THE FEATURE AND TO DETERMINE THE REMEDIAL ACTION NECESSARY. SEE SHALLOW AND DEEP SINKHOLE/CAVITY MAINTENANCE REPAIR DETAIL.
 - THE GEOTECHNICAL ENGINEERING FIRM SHALL BE REQUIRED TO MONITOR THE REMEDIAL WORK AND SEND A SUMMARY REPORT UPON REPAIR COMPLETION TO THE CIVIL ENGINEER, THE SRWMD, THE ALACHUA COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT AND THE ALACHUA COUNTY PUBLIC WORKS DEPARTMENT.



BERM DETAIL
N.T.S.



TYPE III SILT FENCE DETAIL
N.T.S.



EB 2389
720 S.W. 2nd Ave. South Tower, Suite 300
GAINESVILLE, FLORIDA 32601
TEL: 352.373.3541
www.edafl.com mail@edafl.com

SCALES:
AS SHOWN

No.	Date	Comment

THE SEAL HAS BEEN ORIGINALLY BEIGNED AND SEALED BY SERGIO J. REYES, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Professional Engineer of Record:

Sergio J. Reyes, P.E. 47311
Engineer Certificate No.

Project No: 16-141

Project phase: COUNTY SUBMITTAL

Project title: WATSON C & D FACILITY ALACHUA COUNTY, FLORIDA

Sheet title: TYPICAL CROSS SECTIONS

Designed: SJR	Sheet No.:
Drawn: STG/DHS	C300
Checked: TAR	
Date: 06/05/23	