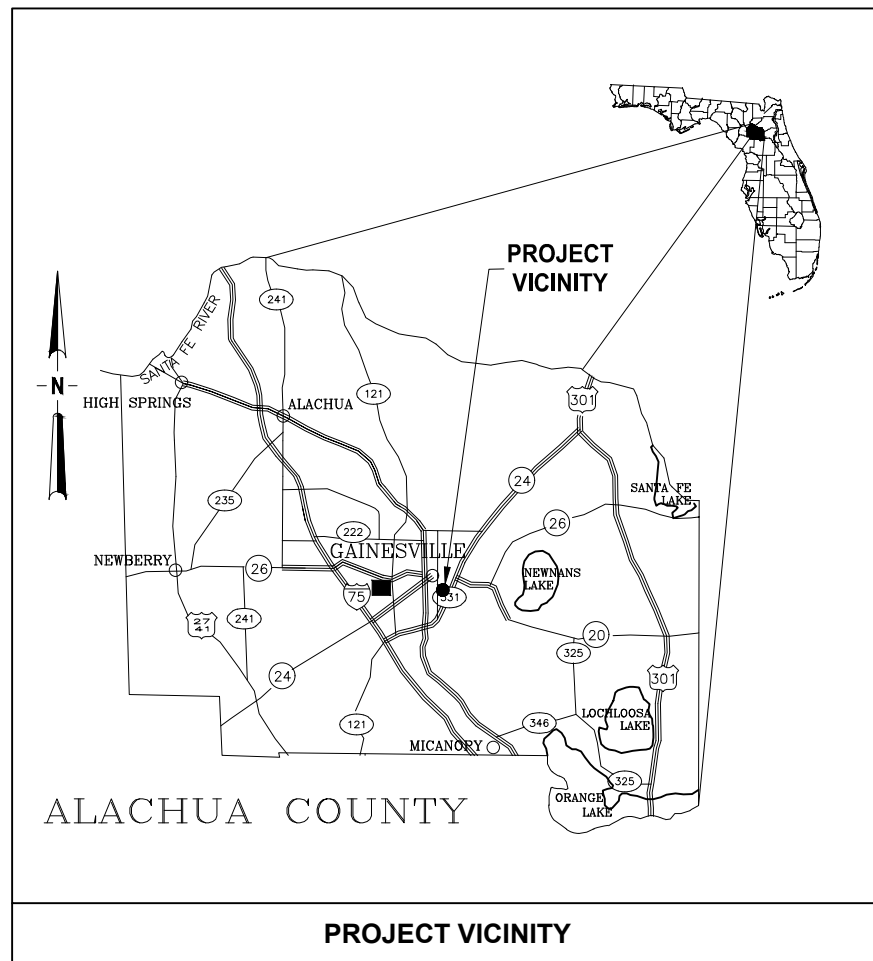


GAINESVILLE REGIONAL UTILITIES

DRYING BED SOLIDS HANDLING



PREPARED FOR:

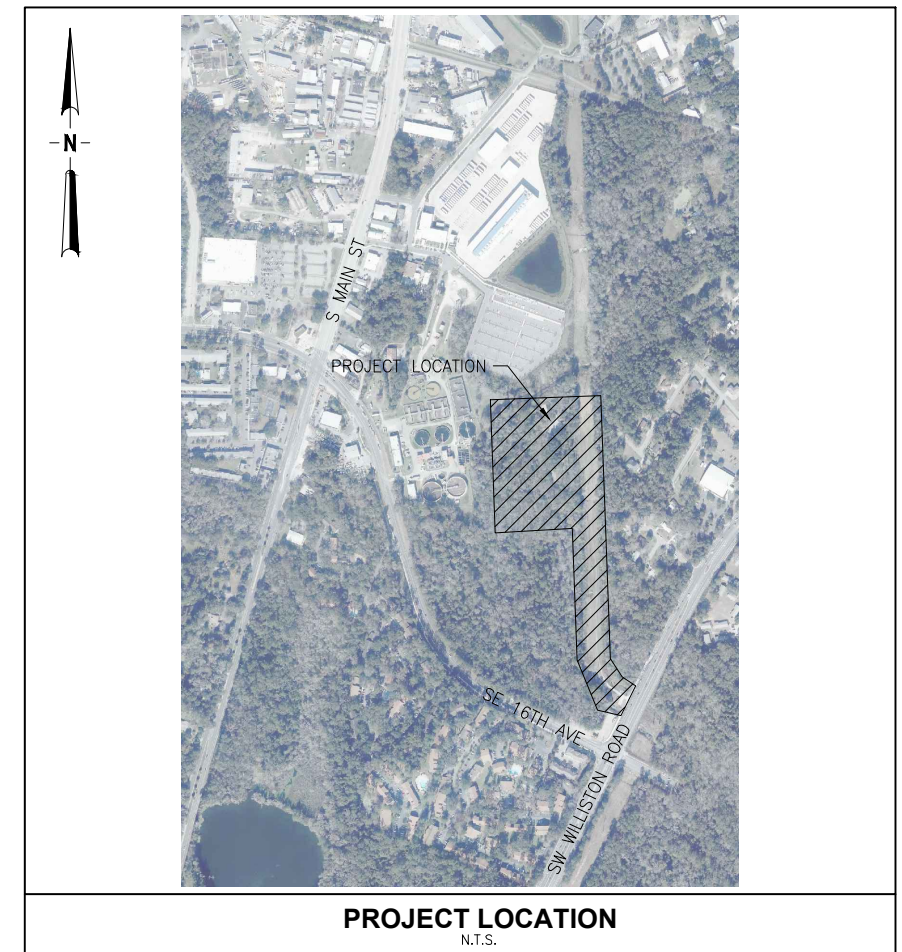


GAINESVILLE REGIONAL UTILITIES

PREPARED BY:



CERTIFICATE OF AUTHORIZATION #1841
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821



22x34

LAST SAVED: 3/26/2020 8:52 AMBY:MHOFFMAN PLOTTED:3/26/2020 08:53 AMBY:MIKE HOFFMAN

PROJECT NO: 07125-070-01

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ABBREVIATIONS

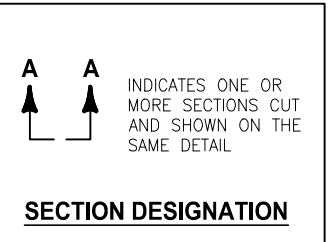
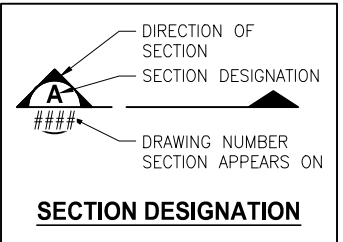
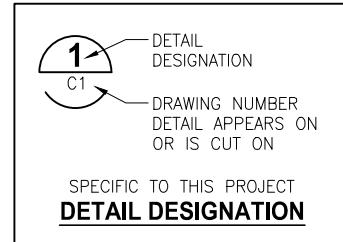
ABBREV	ABBREVIATION	LF	LINEAR FEET
AD	ALGEBRAIC DIFFERENCE	LP	LOW POINT
AIP	ABANDONED IN PLACE	MAX	MAXIMUM
ALUM	ALUMINUM	MES	MITERED END SECTION
APP	APPROVE, APPROVED	MFR	MANUFACTURER
APPROX	APPROXIMATE	MH	MANHOLE
BLD	BLIND	MIN	MINIMUM
BLDG	BUILDING	MISC	MISCELLANEOUS
BM	BENCH MARK	N	NORTHING, NORTH
BTM	BOTTOM	N/A	NOT APPLICABLE
BVCE	BEGINNING OF VERTICAL CURVE ELEV	NE	NORTHEAST
BVCS	BEGINNING OF VERTICAL CURVE STA	NFPA	NATIONAL FIRE PREVENTION ASSOCIATION
CI	CAST IRON	NOT IN CONTRACT	NUMBER
CFM	CUBIC FEET PER MINUTE	NIC	NOMINAL
CFR	CODE OF FEDERAL REGULATIONS	No	NOT TO SCALE
CFS	CUBIC FEET PER SECOND	NOM	NORTHWEST
CLR	CLEARANCE	NTS	NORMAL WATER LEVEL
CNG	COMPRESSED NATURAL GAS	NW	NUMBER DESIGNATION ON CENTER
CNTRL	CONTROL	NWL	OUTSIDE DIAMETER
COM	COMMUNICATION, TELEPHONE/DATA	#	OVERHEAD ELECTRIC
CONC	CONCRETE	OC	OPPOSITE
CONT	CONTINUOUS	OD	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
C/M	CONSTRUCTION MONUMENT	OHE	PLAIN END
C/O	CLEANOUT	OPP	PROPERTY LINE
CTRD	CENTERED	OSHA	POINT OF INTERSECTION
DBI	DITCH BOTTOM INLET	PE	PUSH ON JOINT
DHWL	DESIGN HIGH WATER LEVEL	PL	PRESSURE REDUCING VALVE
DIP	DUCTILE IRON PIPE	PL	POUNDS PER SQUARE INCH
DIA	DIAMETER	PIV	POLYVINYL CHLORIDE
DWG	DRAWING	POJ	POINT OF VERTICAL INTERSECTION
E	EASTING, EAST	PRV	RADIUS
EA	EASEMENT	PSI	REINFORCED CONCRETE PIPE
EAS	EASEMENT	PVC	REFERENCE (INFORMATION OBTAINED FROM DRAWINGS BY OTHERS)
ELEC	ELECTRICAL	PVI	REQUIRED
EL, ELEV	ELEVATION	R	RIGHT OF WAY
EG	EXISTING GRADE	RCP	SLOPE
EOP	EDGE OF PAVEMENT	REF	SANITARY SEWER
EQ	EQUAL	REQ	SCHEDULE
EVCE	END OF VERTICAL CURVE ELEV	R/W	SDR
EVCS	END OF VERTICAL CURVE STA	S	STANDARD DIMENSION RATIO
EW	EACH WAY	SAN	SQUARE FEET
EXIST, EX	EXISTING	SCH	SOUTHEAST
EXP	EXPOSED	SDR	SHEET
*F	DEGREES FAHRENHEIT	SE	SIMILAR
FDEP	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION	SF	SPECIFICATIONS, SPECIFIED
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION	SHT	SUPER PAVE
FG	FINISHED GRADE	SIM	SQUARE
FH	FIRE HYDRANT	SP	STAINLESS STEEL
FIG	FIGURE	SPEC	STATION
FIN	FINISHED	SQ	STANDARD
FJ	FLANGED JOINT	SST, S.S.	STEEL
FLEX	FLEXIBLE	STA	SIDEWALK
FLG	FLANGE	STD	SOUTHWEST
FM	FORCE MAIN	STL	TEMPORARY BENCH MARK
FT	FOOT	S/W	TEMPORARY
GAL	GALLON	SW	THICK
GR	GRADE	TBM	TO
GV	GATE VALVE	TEMP	TOP OF
H	HORIZONTAL	THK	TOP OF BERM
HDPE	HIGH DENSITY POLYETHYLENE	TOB	TOE OF SLOPE
HP	HIGH POINT	TOS	TYPICAL
HT	HEIGHT	TYP	UNDERWRITER'S LABORATORIES
HW	HIGH WATER LEVEL	UL	UNDERGROUND ELECTRIC
IE	INVERT ELEVATION	UGE	VERTICAL
IN	INCH	V	VERTICAL CURVE
INV	INVERT	VC	WEST
K	K-VALUE	W	WEIGHT
LBR	LIMEROCK BEARING RATIO	WGT	WATER MAIN
LBS	POUNDS	WM	WETLAND
		WTLD	

LEGEND

	MATCHLINE
	RIGHT-OF-WAY BOUNDARY
	TEMPORARY CONSTRUCTION EASEMENT
	PROPERTY LINES
	LIMITS OF CONSTRUCTION
	SILT FENCE
	TURBIDITY BARRIER
	EASEMENT
	DITCH BOTTOM
	EG CONTOUR
	FG CONTOUR
	FENCELINE
	TREE BARRICADE
	WETLAND
	REINFORCED CONCRETE PIPE (RCP)
	DITCH BOTTOM INLET
	MANHOLE, STORM
	MANHOLE, SAN
	MITERED END SECTION
	HEADWALL
	EXISTING WALL
	STRUCTURE/PIPE DESIGNATION
	LIMITS OF FULL DEPTH CONSTRUCTION
	LIMITS OF MILLING AND RESURFACING
	CONCRETE
	RIPRAP
	DEMOLISH IMPERVIOUS SURFACE
	ELECTRIC POLE
	PROJECT BENCHMARK
	BORING
	TREE AND 2/3 OF DRIPZONE (1.25 FT*DBH)
	TREE REMOVAL
	PROPOSED SIGN
	DRAWING DESIGNATION
	EG SPOT ELEVATION
	FG SPOT ELEVATION
	STORMWATER/SURFACE WATER FLOW
	SLOPE DIRECTION/INDICATOR

DRAWING INDEX

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GENERAL	
G01	COVER SHEET
G02	ABBREVIATIONS, LEGEND, AND DRAWING INDEX
G03	GENERAL NOTES
G04	KEY MAP
G05	EXISTING CONDITIONS
G06	EXISTING CONDITIONS
G07	EXISTING CONDITIONS
G08	EXISTING CONDITIONS
G09	EXISTING CONDITIONS
ACCESS ROAD: CIVIL	
AC01	ACCESS ROAD-TYPICAL SECTIONS
AC02	ACCESS ROAD-PLAN AND PROFILE
AC03	ACCESS ROAD-PLAN AND PROFILE
AC04	ACCESS ROAD-PLAN AND PROFILE
AC05	ACCESS ROAD-PLAN AND PROFILE
AC06	ACCESS ROAD-PLAN AND PROFILE
AC07	ACCESS ROAD-CROSS SECTIONS
AC08	ACCESS ROAD-CROSS SECTIONS
AC09	ACCESS ROAD-CROSS SECTIONS
AC10	ACCESS ROAD-CROSS SECTIONS
AC11	ACCESS ROAD-CROSS SECTIONS
AC12	ACCESS ROAD-CROSS SECTIONS
AC13	ACCESS ROAD-CROSS SECTIONS
DRYING BED SITE: DEMO	
DD01	DRYING BED SITE-DEMOLITION PLAN
DD02	DRYING BED SITE-DEMOLITION PLAN
DRYING BED SITE: CIVIL	
DC01	DRYING BED SITE-SITE PLAN
DC02	DRYING BED SITE-GRADING AND UTILITY PLAN
DC03	DRYING BED SITE-CIVIL DETAILS



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DESIGNED	MHOFFMAN
DRAWN	MHOFFMAN
CHECKED	AGOODDEN
BY	
APPRD	

JonesEdmunds

CERTIFICATE OF AUTHORIZATION #1841
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

**GAINESVILLE REGIONAL UTILITIES
DRYING BED SOLIDS HANDLING**

**ABBREVIATIONS, LEGEND, AND
DRAWING INDEX**

APPROVED BY:	TBD	PROJECT NO:	07125-070-01	DATE:	
P.E. #	#	INDEX NO:		DWG NO:	G02


GENERAL NOTES

1. TOPOGRAPHIC SURVEY PROVIDED BY DEGROVE SURVEYORS INC, A FLORIDA LICENSED PROFESSIONAL LAND SURVEYOR. DATED FEBRUARY 6, 2020.
2. VERTICAL DATUM IS BASED TO THE NORTH AMERICAN VERTICAL DATUM (NAVD 1988).
3. HORIZONTAL DATUM IS BASED ON FLORIDA STATE PLANE NORTH, NAD83 (2011).
4. ALL STATIONING AND OFFSETS ARE REFERENCED TO THE CONSTRUCTION BASELINE.
5. NAIL AND DISC AND X-CUT WERE INSTALLED, AS SHOWN ON THE DRAWINGS, TO PROVIDE HORIZONTAL AND VERTICAL CONTROL FOR CONSTRUCTION. CONTRACTOR SHALL VERIFY THE ACCURACY OF THE PROVIDED SURVEY INFORMATION TO HIS/HER SATISFACTION. CONTRACTOR IS SOLELY RESPONSIBLE FOR PROPER VERTICAL AND HORIZONTAL ALIGNMENT OF CONSTRUCTED FACILITIES, PIPELINES, AND FINISHED GRADE. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR RESTORING PROPERTY CORNERS AND LAND MARKERS WHICH MAY BE DISTURBED BY CONSTRUCTION. ALL STAKING SHALL BE PERFORMED BY A FLORIDA LICENSED SURVEYOR.
6. CONTRACTOR SHALL RETAIN ON THE WORK SITE COPIES OF ANY PERMITS REQUIRED FOR CONSTRUCTION.
7. ALTHOUGH MEASUREMENTS MAY BE SHOWN ON THE DRAWINGS, CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ALL MATERIAL QUANTITIES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
8. CONTRACTOR SHALL PROVIDE AN "AS-BUILT" SURVEY AT THE COMPLETION OF THE PROJECT. THE AS-BUILTS SHALL BE PREPARED BY A FLORIDA LICENSED SURVEYOR AND SHALL BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMITTAL TO THE ENGINEER.
9. CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY WHEN CONFLICTS BETWEEN DRAWINGS AND ACTUAL CONDITIONS ARE DISCOVERED DURING WORK.
10. FIELD CONDITIONS MAY NECESSITATE SLIGHT ALIGNMENT AND GRADE DEVIATION OF THE PROPOSED IMPROVEMENTS TO AVOID OBSTACLES, AS REQUIRED. CONTRACTOR SHALL CONSTRUCT THE PROPOSED FACILITIES TO THE REQUIRED DEVIATION AS APPROVED BY THE ENGINEER WITHOUT INCREASE IN THE CONTRACT PRICE OR TIME.
11. NO DISTURBANCE SHALL BE ALLOWED OUTSIDE OF THE LIMITS OF CONSTRUCTION SHOWN ON THE PLANS UNLESS APPROVED BY THE ENGINEER, OR SPECIFICALLY NOTED ON THE PLANS.
12. ALL REFERENCED FDOT STANDARD PLANS (FY2020-2021) AND SPECIFICATIONS (JANUARY 2020) CAN BE FOUND AT:
[HTTP://WWW.FDOT.GOV/DESIGN/STANDARDPLANS/DEFAULT.SHTM](http://www.fdot.gov/design/standardplans/default.shtm)
[HTTPS://WWW.FDOT.GOV/PROGRAMMANAGEMENT/IMPLEMENTED/SPECBOOKS/DEFAULT.SHTM](https://www.fdot.gov/programmanagement/implemented/specbooks/default.shtm)
13. IT IS THE RESPONSIBILITY OF CONTRACTOR TO BECOME FAMILIAR WITH THE OSHA EXCAVATION SAFETY STANDARDS AND TO ABIDE BY THEM AS COVERED UNDER THE FLORIDA TRENCH SAFETY ACT (LAWS OF FLORIDA 90-96) EFFECTIVE OCTOBER 1, 1990.
14. EXISTING DRAINAGE STRUCTURES AND CULVERTS WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
15. ALL AREAS INSIDE AND OUTSIDE THE PROJECT LIMITS, WHICH ARE DISTURBED AS A RESULT OF THE PROJECT CONSTRUCTION, SHALL BE RESTORED TO ORIGINAL OR DESIGN GRADE AS APPLICABLE AT THE CONTRACTOR'S EXPENSE, UNLESS OTHERWISE APPROVED BY THE PROJECT ENGINEER. THE CONTRACTOR SHALL REPLACE ALL EXISTING PAVING, STABILIZED EARTH, PIPING, DITCHING, FENCES, SIGNS AND OTHER IMPROVEMENTS WITH THE SAME TYPE OF MATERIAL THAT WAS REMOVED OR DAMAGED DURING CONSTRUCTION, AS A RESULT OF CONSTRUCTION, OR AS DIRECTED BY THE ENGINEER WITHOUT INCREASE IN THE CONTRACT PRICE OR TIME.
16. CONTRACTOR SHALL SOD ALL DISTURBED AREAS. SOD VARIETY SHALL MATCH EXISTING TYPE AND BE CERTIFIED WEED FREE. ALL SOD ON SLOPES GREATER THAN 3:1 SHALL BE STAKED. CONTRACTOR SHALL FERTILIZE AND THOROUGHLY WATER ALL SOD AT TIME OF PLANTING AND UNTIL MATERIAL IS ESTABLISHED.
17. CONTRACTOR SHALL CLEAR AND GRUB CONSTRUCTION AREAS BEFORE ANY NEW MATERIAL IS PLACED. ALL AREAS TO RECEIVE ANY NEW MATERIAL SHALL BE STRIPPED OF ALL VEGETATION AND TOPSOIL PRIOR TO PLACING CLEAN FILL OR OTHER NEW MATERIAL.
18. CONTRACTOR SHALL CLEAR ALL EXCAVATION AND FILL AREAS AND REMOVE ALL UNSATISFACTORY MATERIAL IN ACCORDANCE WITH FDOT STANDARD PLAN 120-002. UNSUITABLE MATERIAL FROM WITHIN THE PROJECT SHALL BE DISPOSED OF OFF SITE BY THE CONTRACTOR.
19. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING SUITABILITY OF ANY SOIL TO BE USED AS EMBANKMENT MATERIAL IN ACCORDANCE WITH FDOT STANDARD PLAN 120-001. SUITABLE MATERIAL FROM WITHIN THE PROJECT SHALL BE USED FOR FILL AS SHOWN ON CROSS SECTIONS.
20. CONTRACTOR SHALL REMOVE AND REPLACE ALL NEW CONCRETE DAMAGED BY VANDALISM OR ANY OTHER CAUSE PRIOR TO ACCEPTANCE OF THE WORK.
21. ALTHOUGH EXISTING UTILITIES WERE INVESTIGATED DURING DESIGN, THERE IS NO GUARANTEE THAT ALL EXISTING OVERHEAD AND UNDERGROUND UTILITIES WERE DISCOVERED AND SHOWN ON THE PLANS. CONTRACTOR SHALL FIELD LOCATE AND VERIFY EXISTING UTILITIES, (SIZE, MATERIAL OF CONSTRUCTION, ELEVATION, ETC.) ESPECIALLY AT CONNECTING POINTS, PRIOR TO START OF CONSTRUCTION, AND SHOP DRAWING PREPARATION AND SUBMITTAL. CONTRACTOR SHALL INCLUDE CONSIDERATION OF SUCH UTILITIES IN PLANNING AND PRIOR TO EXECUTION OF WORK. CONTRACTOR SHALL INCLUDE FIELD MEASUREMENTS ON SHOP DRAWINGS.
22. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN BASED ON INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE DRAWINGS BUT ARE NOT PURPORTED TO BE ABSOLUTELY CORRECT. THERE MAY BE OTHER IMPROVEMENTS, UTILITIES, ETC WHICH ARE WITHIN THE PROJECT AREA. CONTRACTOR SHALL VERIFY, PRIOR TO CONSTRUCTION, THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES (WHETHER OR NOT SHOWN ON THE DRAWINGS) AFFECTING THE PROPOSED WORK.
23. CONTRACTOR SHALL NOTIFY UTILITY OWNERS THROUGH "SUNSHINE STATE ONE CALL OF FLORIDA, INC." (1-800-432-4770) AT LEAST TWO BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION ON THE JOB SITE.
24. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES, STRUCTURES, AND PROPERTY ON AND ADJACENT TO THE SITE CAUSED BY CONSTRUCTION ACTIVITIES.
25. CONTRACTOR SHALL COORDINATE CONSTRUCTION SCHEDULE WITH INDIVIDUAL COMPANIES CONCERNING RELOCATION OF UTILITIES AND ANY ADDITIONAL RELOCATIONS RESULTING FROM CONFLICTS NOT DELINEATED ON THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING, RELOCATING, AND BYPASSING OF ALL PUBLIC AND PRIVATELY OWNED UTILITIES PER THE BID DOCUMENTS. UTILITY SEPARATION REQUIREMENTS SHALL BE IN ACCORDANCE WITH COSA UTILITY DEPARTMENT STANDARD DETAILS.
26. CONTRACTOR IS RESPONSIBLE FOR BRACING, SHORING, OR PROVIDING OTHER MEANS NECESSARY TO PROTECT AND SUPPORT EXISTING UTILITIES EXPOSED OR UNEXPOSED DURING CONSTRUCTION. IN ORDER TO COMPLETE WORK THE CONTRACTOR SHALL DEWATER, HAND EXCAVATE, SHORE-UP TRENCHES, STABILIZE UTILITIES INCLUDING UTILITY POLES, AND PROVIDE SHEET PILING AT NO ADDITIONAL COST TO THE OWNER.
27. CONTRACTOR SHALL HAND EXCAVATE WHEN CONSTRUCTION IS WITHIN 2 FEET OF EXISTING UTILITIES.
28. CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH FDOT STANDARD PLAN INDEX 102 SERIES AND THE TECHNICAL SPECIFICATIONS. ONE TRAFFIC LANE MUST BE MAINTAINED AT ALL TIMES WITH USE OF FLAGGER IF NECESSARY. LANE CLOSURE HOURS SHALL BE BETWEEN 9 AM TO 4 PM ON WEEKDAYS. TRAFFIC LANES MUST BE OPEN FOR TRAFFIC AT THE CLOSE OF WORKDAYS. ALL SIGNING, BARRICADES, LIGHTING, AND FLAGGERS SHALL BE INCLUDED IN THE LUMP SUM COST. MAINTAIN PEDESTRIAN AND VEHICULAR ACCESS TO ALL ABUTTING PROPERTIES AND COORDINATE SUCH ACCESS WITH PROPERTY OWNERS.
29. THE CONTRACTOR SHALL HAVE A CERTIFIED FDOT TEMPORARY TRAFFIC CONTROL SPECIALIST ON-CALL 24 HOURS A DAY AND ON-SITE DURING WORK HOURS TO MANAGE THE MOT.
30. THE CONTRACTOR SHALL SAWCUT ALL EXISTING PAVEMENT TO PROVIDE A STABLE CONSTRUCTION JOINT FOR WIDENING AND RECONSTRUCTION. THE CONTRACTOR SHALL MILL THE FULL DEPTH WIDENING AREA TO EXCAVATE EXISTING SOIL. ALL WIDENING AREAS SHALL BE A MINIMUM WIDTH OF 2'.
31. ALL REINFORCED CONCRETE PIPE SHALL BE CLASS III.
32. ALL PIPE JOINTS AND PIPE PLUGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT STANDARD PLAN 430-001.
33. PIPE TRENCH AND BACKFILL REQUIREMENTS SHALL BE IN ACCORDANCE WITH FDOT REQUIREMENTS. COMPACTED DENSITY SHALL BE NOT LESS THAN 95% OF THE MAXIMUM DENSITY OBTAINED USING THE MODIFIED PROCTOR METHOD.
34. ADJUST WATER VALVES, SANITARY SEWER FORCE MAIN VALVES, WATER METER BOXES, AND SANITARY SEWER CLEANOUTS TO PROPOSED GRADE IN ACCORDANCE WITH GRU STANDARD DETAILS. THERE IS NO SEPARATE PAYMENT FOR THIS WORK, IT IS INCIDENTAL TO PAVING AND GRADING OPERATIONS.
35. ALL MANHOLES SHALL BE CONCRETE IN ACCORDANCE WITH FDOT STANDARD PLANS 425-001 AND 425-010. ALL CONFLICT MANHOLES SHALL BE CONCRETE IN ACCORDANCE WITH FDOT STANDARD PLANS 425-080.
36. ALL MITERED END SECTIONS SERVICING CROSS DRAINS SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLAN 430-021 AND ALL MITERED END SECTIONS SERVICING SIDE DRAINS SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLAN 430-022. ALL MITERED END SECTIONS SHALL HAVE A 4:1 SLOPE.
37. ALL DITCH BOTTOM INLETS SHALL BE CONCRETE WITH STEEL GRATES IN ACCORDANCE WITH FDOT STANDARD PLANS 425-052 AND 425-053. ALL WEEP HOLES SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLAN 425-001.
38. CONTRACTOR SHALL COMPLY WITH FDOT REGULATIONS FOR INSTALLATION AND INSPECTION OF ALL DRAINAGE STRUCTURES AND PIPES.
39. AFTER COMPLETION OF STORM SEWER PIPE INSTALLATION AND PRIOR TO PAVING THE CONTRACTOR SHALL INSPECT ALL STORM SEWER PIPES INSTALLED ON THIS PROJECT UTILIZING TELEVISION CAMERAS AND FDOT SPECIFICATION 430-4.8. THE CONTRACTOR SHALL SUPPLY ALL SUCH VIDEO TAPES TO GRU. ANY INSTALLATIONS DETERMINED BY THE ENGINEER TO BE SUBSTANDARD SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
40. ALL WORK FOR THIS PROJECT SHALL MEET OR EXCEED CITY OF GAINESVILLE AND GRU STANDARDS AND SPECIFICATIONS. ANY CONSTRUCTION ACTIVITIES NOT COVERED CITY OF GAINESVILLE AND GRU SPECIFICATIONS OR STANDARDS SHALL REFER TO THE FY 2020-21 FDOT STANDARD PLANS AND THE 2020 FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
41. CONTRACTOR SHALL REMOVE LITTER AND MOW PER THE 2020 FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 107-1. LITTER REMOVAL SHALL BE AS NEEDED BUT NO LESS THAN ONCE PER MONTH OR AS DIRECTED BY THE ENGINEER. IF REQUIRED, THE CONTRACTOR SHALL PROVIDE AN APPROPRIATE TRASH CONTAINER SUCH AS A DUMPSTER OR ROLL OFF. CONTRACTOR OR SUBCONTRACTORS SHALL NOT LITTER THE PROJECT AREA WITH PERSONAL TRASH. SUCH TRASH SHALL BE PICKED UP AND PROPERLY DISPOSED OF DAILY. NO TRASH SHALL BE PERMANENTLY DUMPED ON SITE.
42. THE CONTRACTOR SHALL MOW GRASSED AREAS WHEN THE GRASS IS GREATER THAN 6 INCHES IN HEIGHT OR ONCE PER MONTH UNTIL FINAL COMPLETION. THE ENGINEER MAY CHANGE FREQUENCY DEPENDING ON SITE CONDITIONS.
43. THE CONTRACTOR SHALL PROVIDE A FLORIDA CERTIFIED GEOTECHNICAL ENGINEERING FIRM FOR QUALITY CONTROL TESTING INCLUDING BUT NOT LIMITED TO: SUBGRADE AND BASE DENSITY, ASPHALT DENSITY, TEMPERATURE AND CORES, CONCRETE SLUMP, TEMPERATURE, AIR AND TEST CYLINDERS, LBR, PROCTORS, DRILL SHAFTS, ETC. THE CONTRACTOR SHALL NOTIFY CITY OF GAINESVILLE AND GRU OF QUALITY CONTROL TESTING LOCATION AND TIME AT LEAST 1 BUSINESS DAY PRIOR. THE CONTRACTOR SHALL ALSO PROVIDE THE CITY OF GAINESVILLE AND GRU A COPY OF ANY TEST RESULTS WITHIN 1 BUSINESS DAY OF RECEIPT.
44. THE CONTRACTOR SHALL DISPOSE OF ALL EXCAVATED MATERIAL LEGALLY.
45. THE CONTRACTOR SHALL NOT USE THE RIGHT-OF-WAY TO STAGE EQUIPMENT OR STORE MATERIAL. THE CONTRACTOR MUST PROVIDE THEIR OWN STAGING AREA.
46. PAVEMENT STRIPING SHALL BE PROVIDED IN ACCORDANCE WITH FDOT STANDARD PLAN 711-001.
47. REFLECTIVE PAVEMENT MARKERS SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH FDOT STANDARD PLAN 706-001.
48. BLUE REFLECTIVE PAVEMENT MARKERS SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH FDOT TRAFFIC ENGINEERING MANUAL.
49. ALL DIRECTIONAL ARROWS SHALL BE PLACED AS ONE SEGMENT.
50. ALL PAVEMENT MARKINGS ARE TO BE LEAD-FREE, NON-SOLVENT BASED THERMOPLASTIC PER FDOT STD SPECIFICATION 711. IMMEDIATELY AFTER PAVING THE ROADWAY IT SHALL BE STRIPED WITH PAINTED PAVEMENT MARKINGS PER FDOT STD SPECIFICATION 710 BEFORE THE APPLICATION OF THERMOPLASTIC. THERMOPLASTIC SHALL ONLY BE APPLIED AFTER THE PAVED AREAS HAVE CURED FOR 14 DAYS.
51. ALIGNMENT OF PROPOSED PAVEMENT MARKINGS SHALL MATCH EXISTING PAVEMENT MARKINGS AT PAVEMENT MARKING LIMITS OF CONSTRUCTION.
52. ALL EXISTING AND PROPOSED SIGNS SHALL BE RESET TO MEET 6' CLEARANCE FROM THE EDGE OF TRAVEL WAY OR 2' CLEARANCE FROM THE FACE OF CURB PER FDOT STANDARD PLAN 700-101.
53. ALL WATER MAIN WORK SHALL BE IN ACCORDANCE WITH GRU STANDARDS.
54. TREES NOT MARKED FOR DEMO SHALL BE PROTECTED AND PRESERVED IN ACCORDANCE WITH SEC 30-8.9 OF CITY OF GAINESVILLE CODE OF ORDINANCES.

Y:\07125-GRU\PROJECTS\070-01-DRYING-BED-SOLIDS-HANDLING\CAD\DWGS\GENERAL\07125070-003.DWG
 3/26/2020 8:24 AM MHOFFMAN

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DESIGNED	MHOFFMAN			
DRAWN	MHOFFMAN			
CHECKED	AGOODEN			
LTR.	DATE	REVISIONS	BY	APPRD.



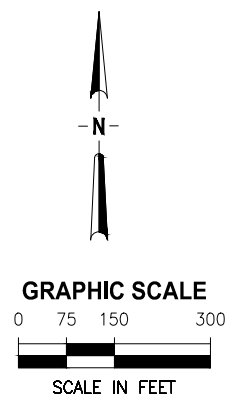
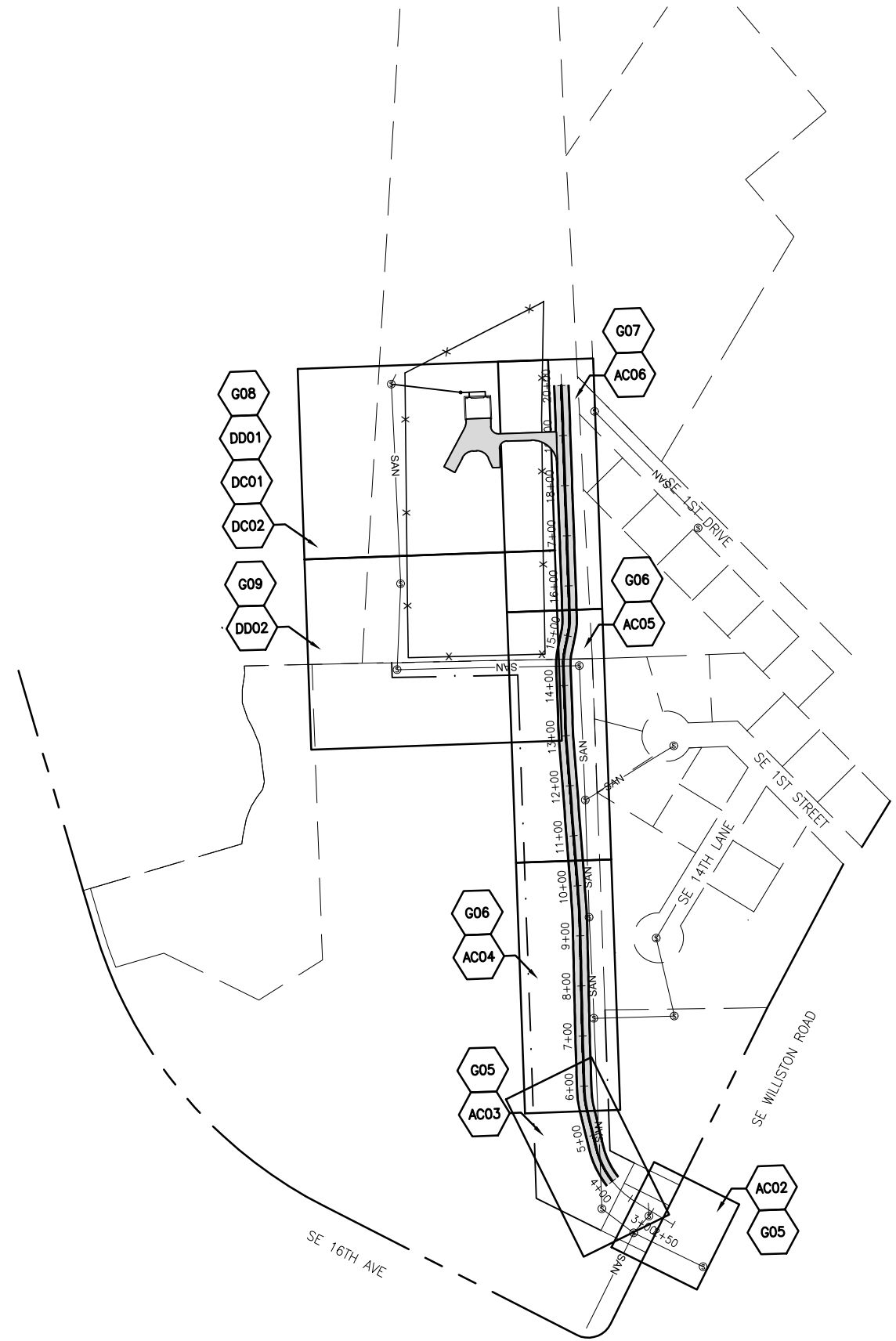
JonesEdmunds
 CERTIFICATE OF AUTHORIZATION #1841
 730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

GAINESVILLE REGIONAL UTILITIES
DRYING BED SOLIDS HANDLING

GENERAL NOTES

APPROVED BY:	TBD	PROJECT NO:	07125-070-01	DATE:	
P.E. #		INDEX NO:		DWG NO:	G03

Y:\07125-GRU\PROJECTS\070-01-DRYING-BED-SOLIDS-HANDLING\CAD\DWGS\GENERAL\07125070-G04.DWG



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LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED	MHOFFMAN
DRAWN	MHOFFMAN
CHECKED	AGOODDEN

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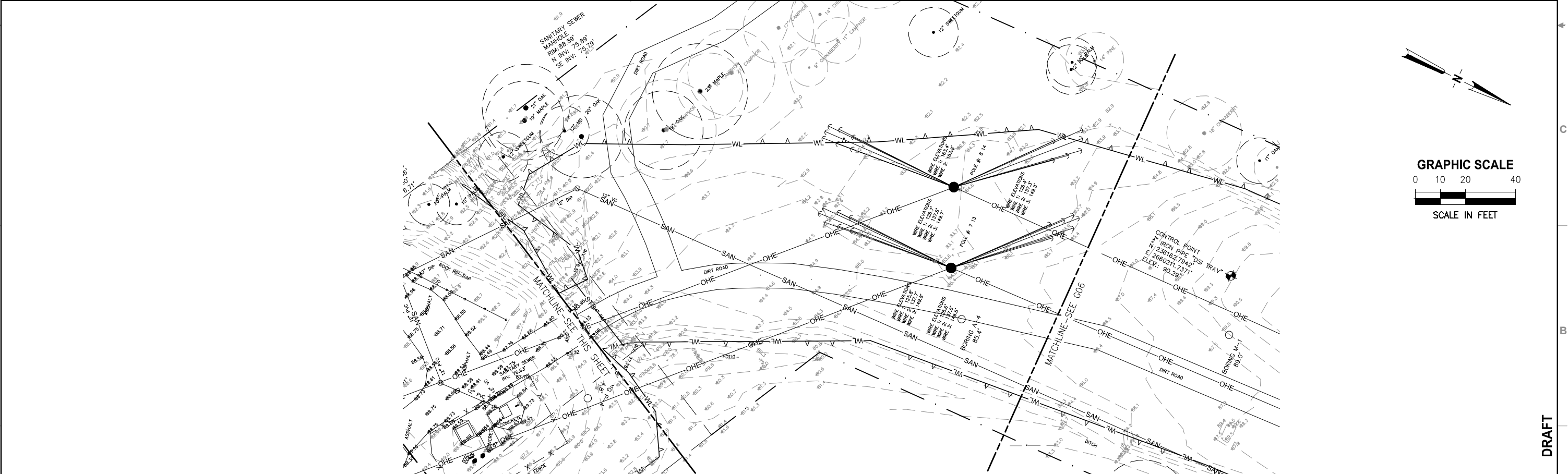
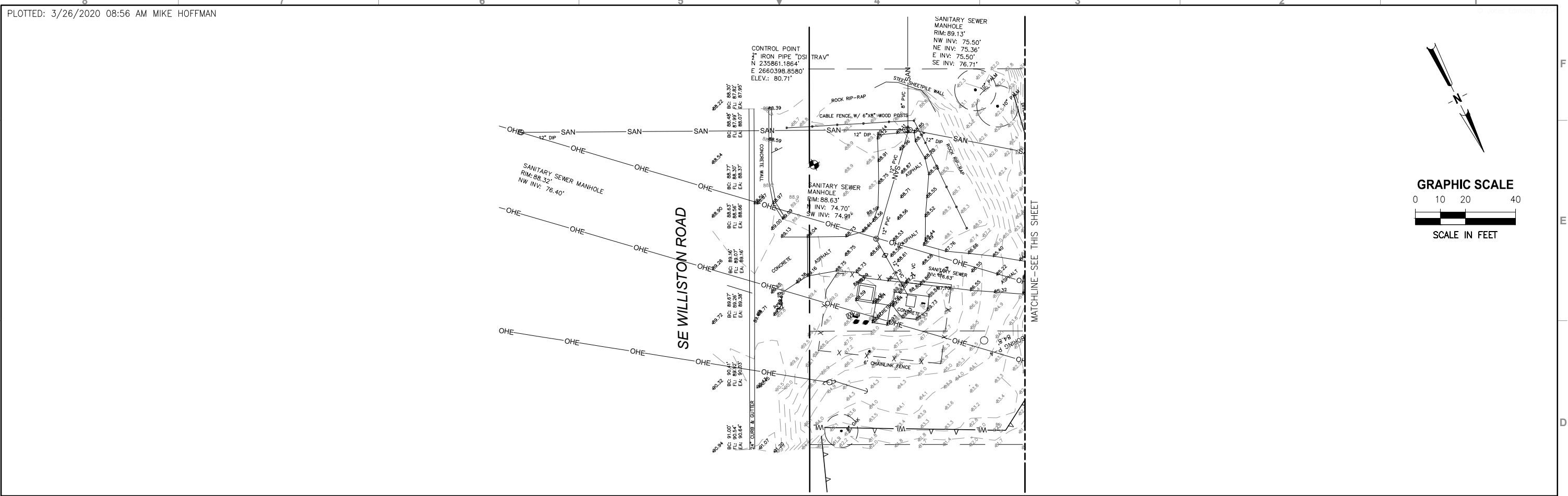
**GAINESVILLE REGIONAL UTILITIES
 DRYING BED SOLIDS HANDLING**

KEY MAP

APPROVED BY:	TBD
P.E. #	

PROJECT NO:	07125-070-01	DATE:	
INDEX NO:		DWG NO:	G04

Y:\07125-GRU\PROJECTS\070-01-DRYING-BED-SOLIDS-HANDLING\CAD\DWGS\GENERAL\07125070-EX.DWG



LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED	MHOFFMAN
DRAWN	MHOFFMAN
CHECKED	AGOODDEN

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 730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

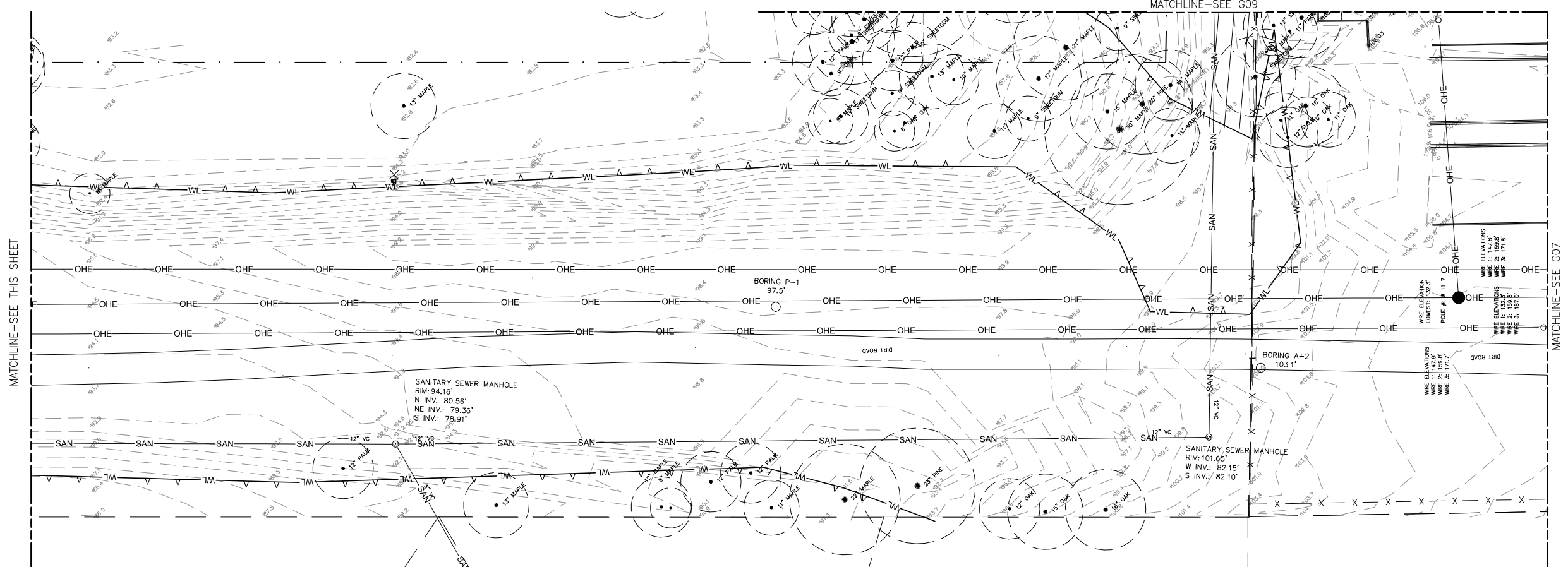
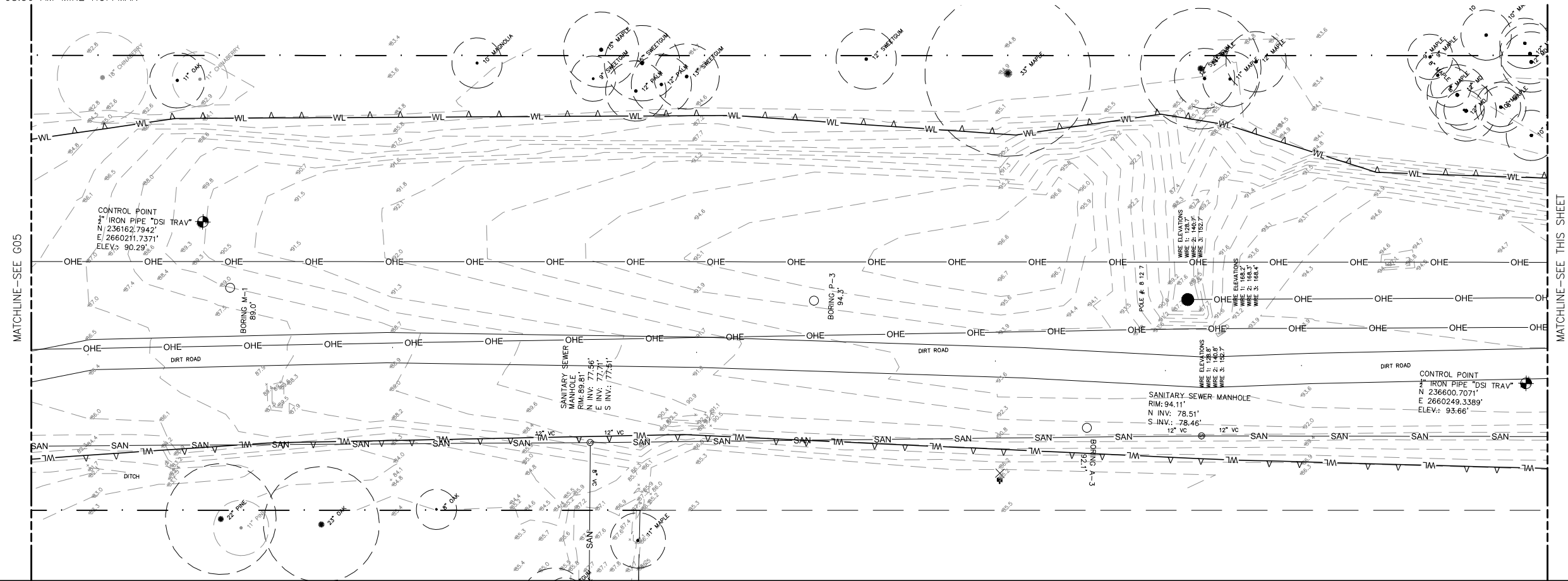
**GAINESVILLE REGIONAL UTILITIES
 DRYING BED SOLIDS HANDLING**

EXISTING CONDITIONS

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PROJECT NO:	07125-070-01	DATE:	
INDEX NO:		DWG NO:	G05

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DRAWN	MHOFFMAN
CHECKED	AGOODDEN

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 730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

**GAINESVILLE REGIONAL UTILITIES
 DRYING BED SOLIDS HANDLING**

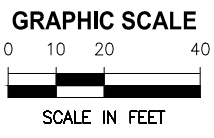
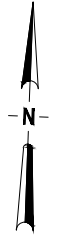
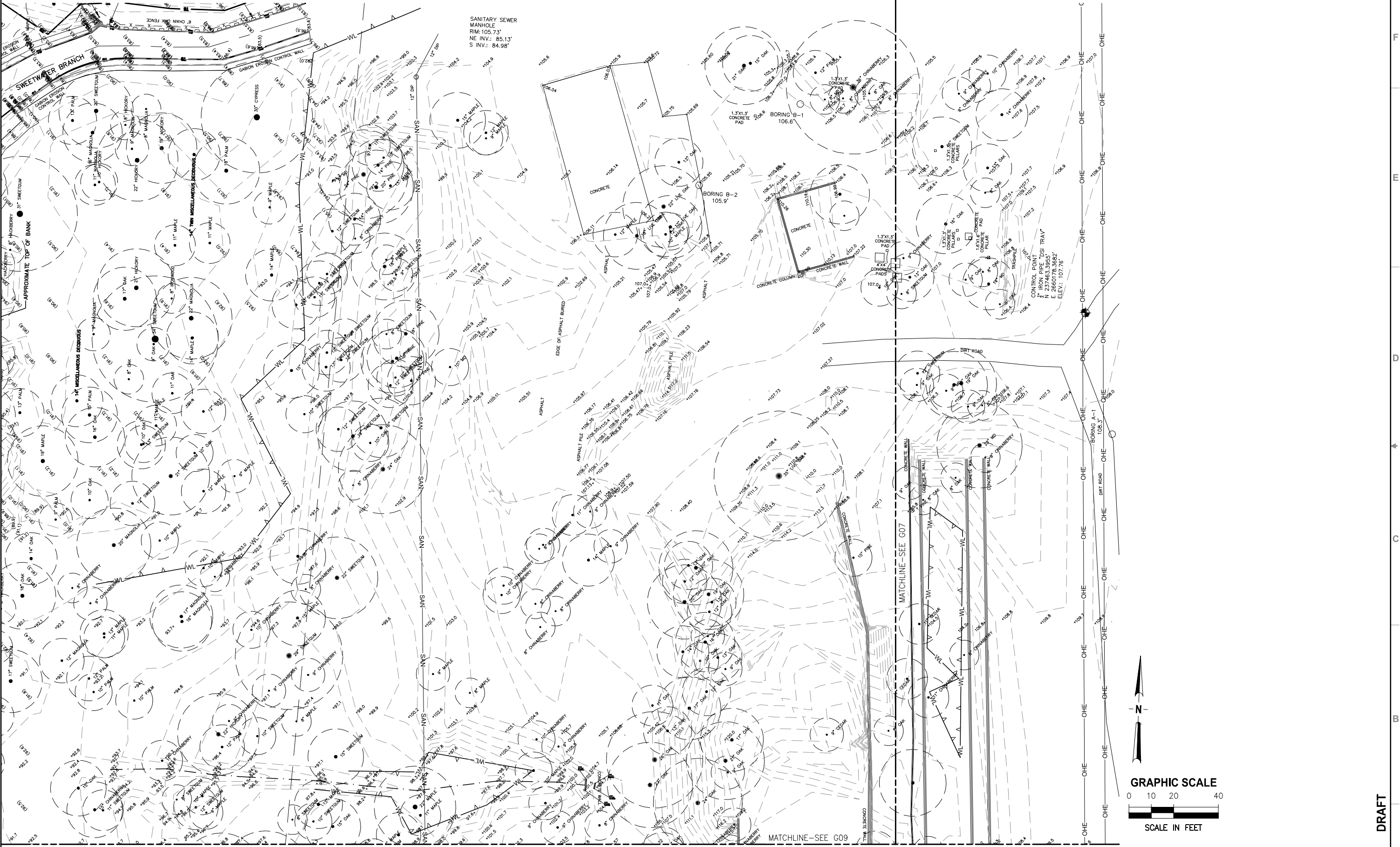
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P.E. #	

PROJECT NO:	07125-070-01	DATE:	
INDEX NO:		DWG NO:	G06

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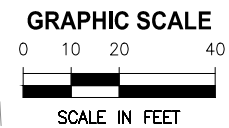
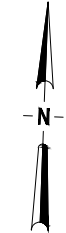
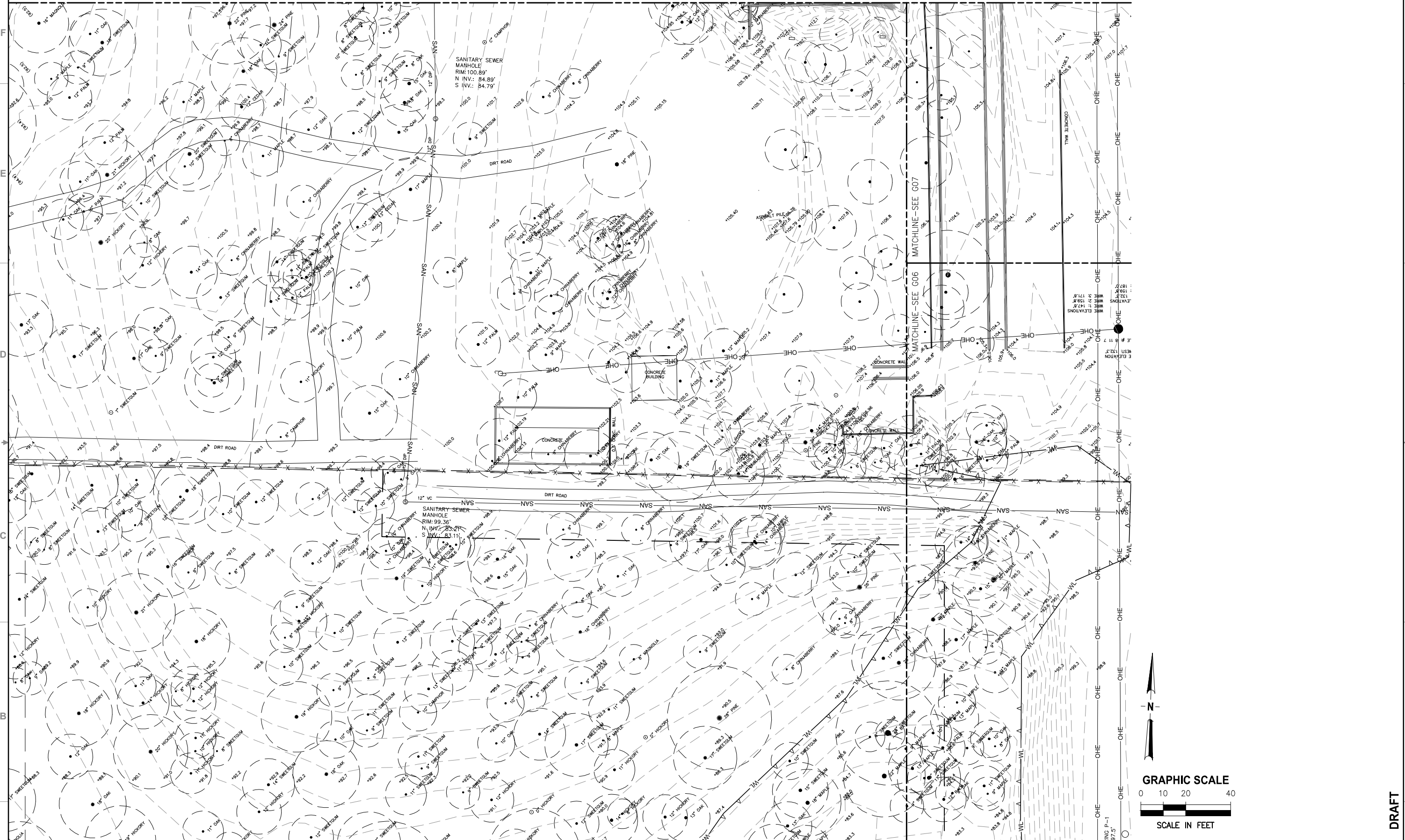
**GAINESVILLE REGIONAL UTILITIES
 DRYING BED SOLIDS HANDLING**

EXISTING CONDITIONS

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P.E. #	

PROJECT NO:	07125-070-01	DATE:	
INDEX NO:		DWG NO:	G08

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CHECKED	AGOODEN

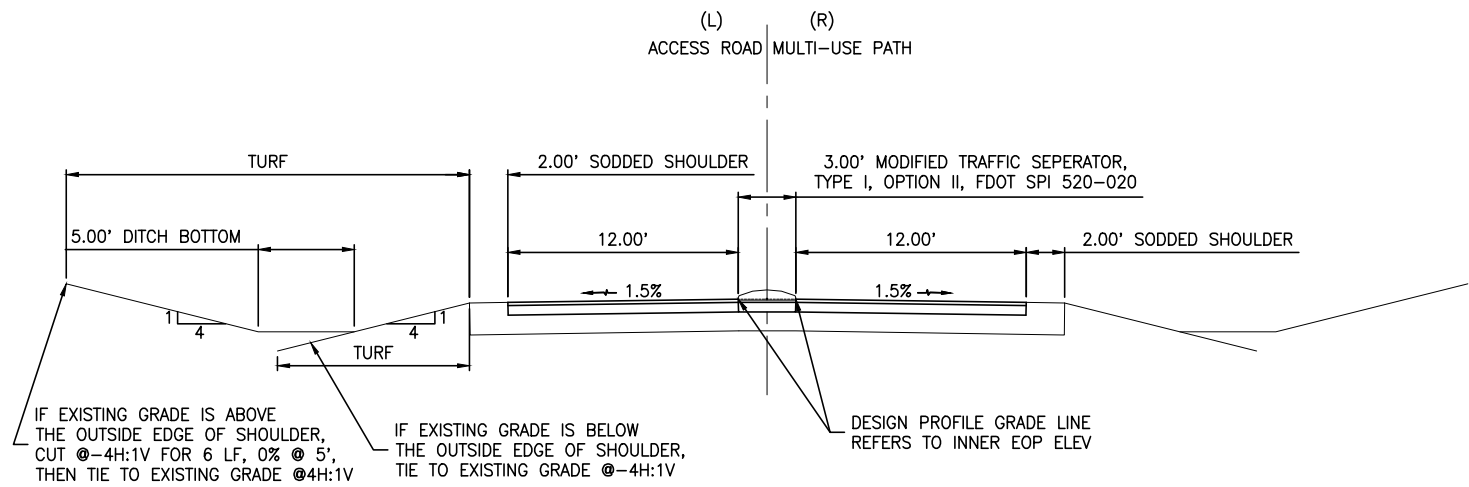
JonesEdmunds
CERTIFICATE OF AUTHORIZATION #1841
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

**GAINESVILLE REGIONAL UTILITIES
DRYING BED SOLIDS HANDLING**

EXISTING CONDITIONS

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PROJECT NO:	07125-070-01	DATE:	
INDEX NO:		DWG NO:	G09



TYPICAL ACCESS ROAD AND MULTI-USE PATH SECTION

NTS
 PAVEMENT SECTION
 2" SP-9.5
 6" LIMEROCK BASE (LBR 100)
 12" TYPE B STABILIZATION (LBR 40)

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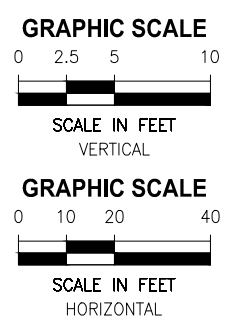
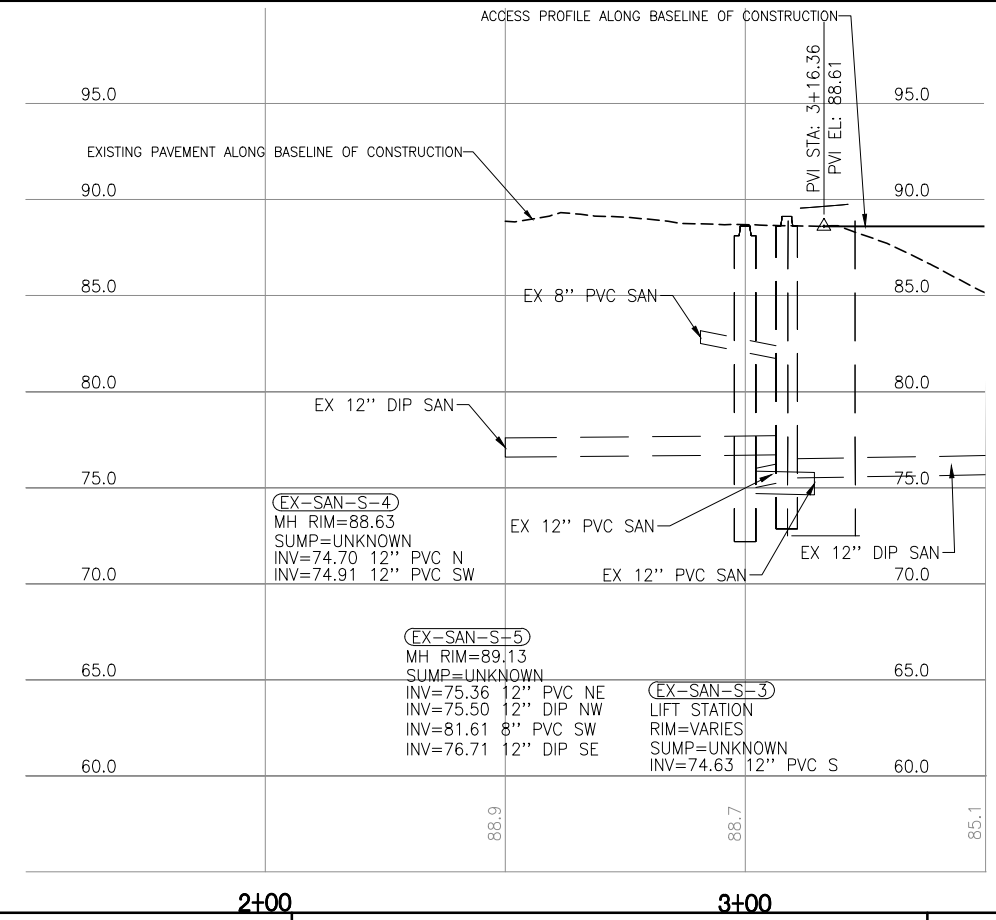
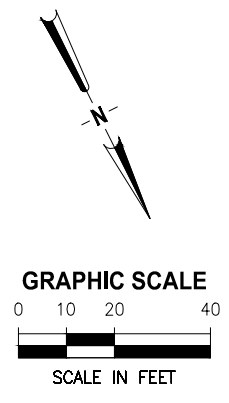
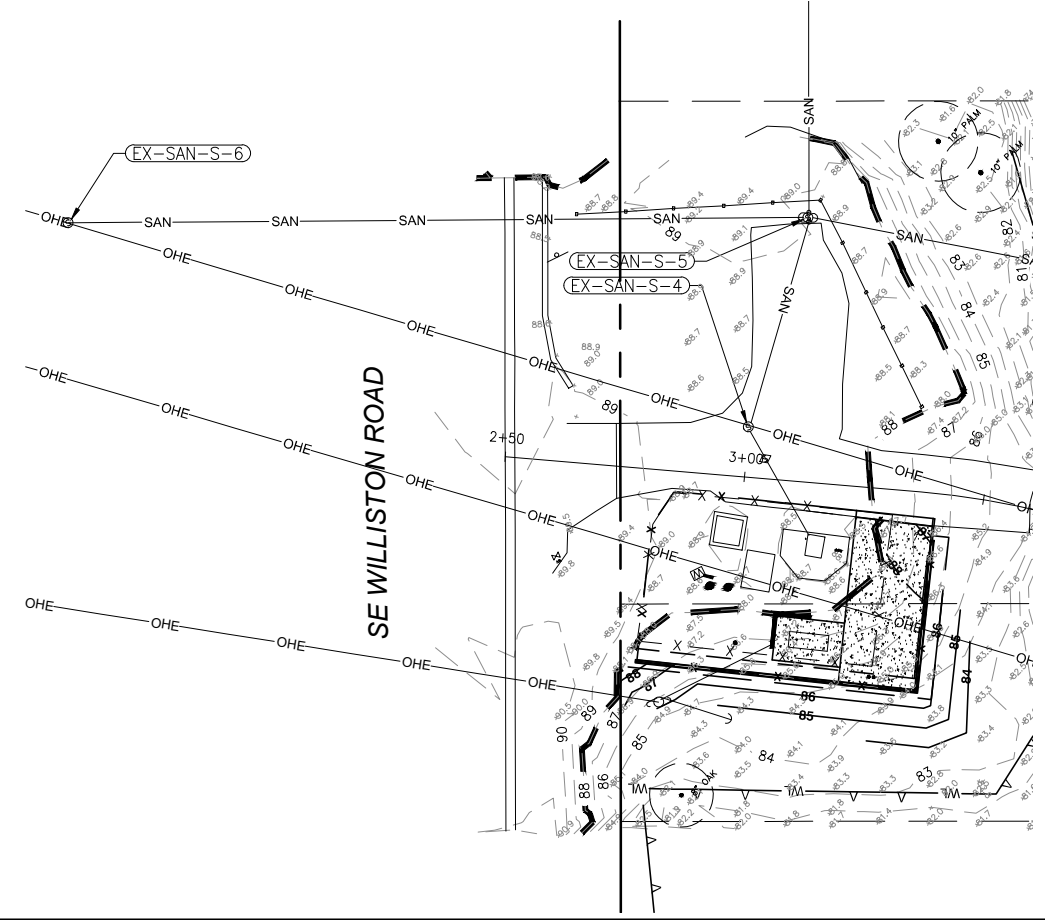


**GAINESVILLE REGIONAL UTILITIES
 DRYING BED SOLIDS HANDLING**

ACCESS ROAD-TYPICAL SECTIONS

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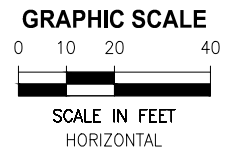
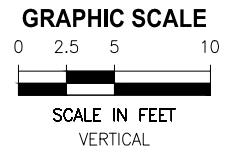
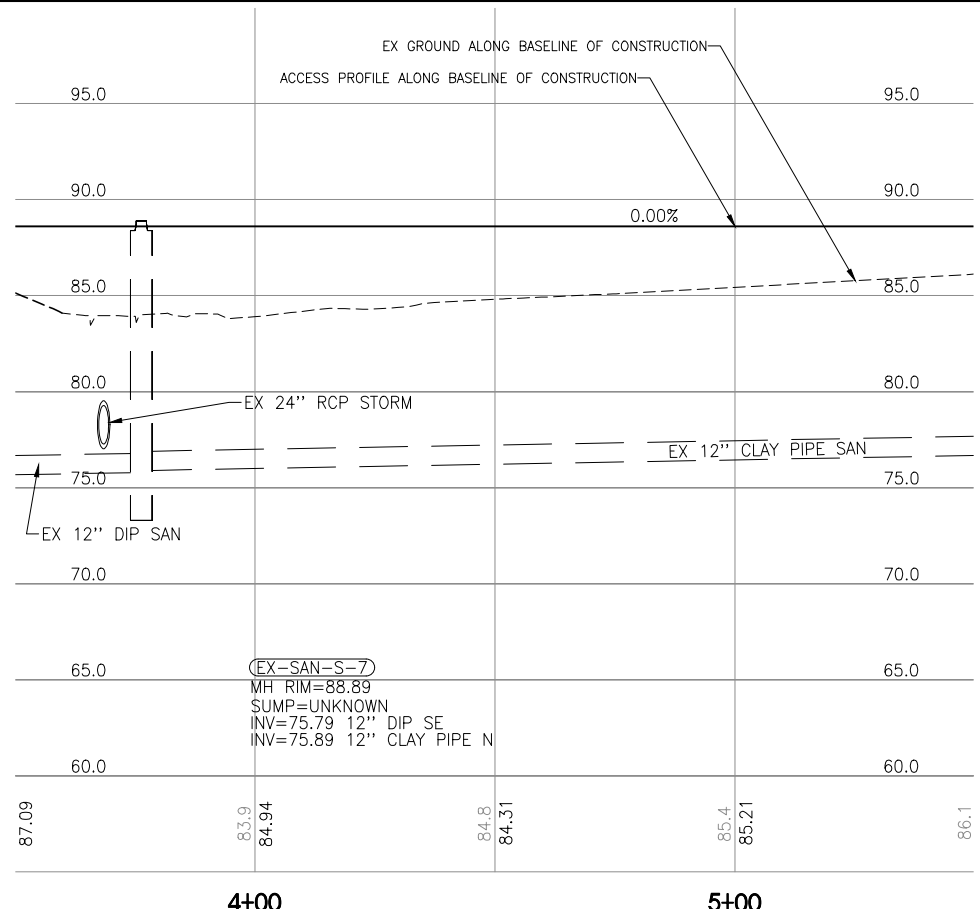
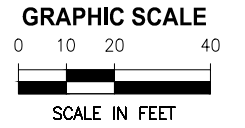
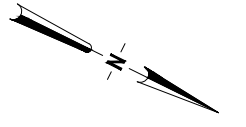
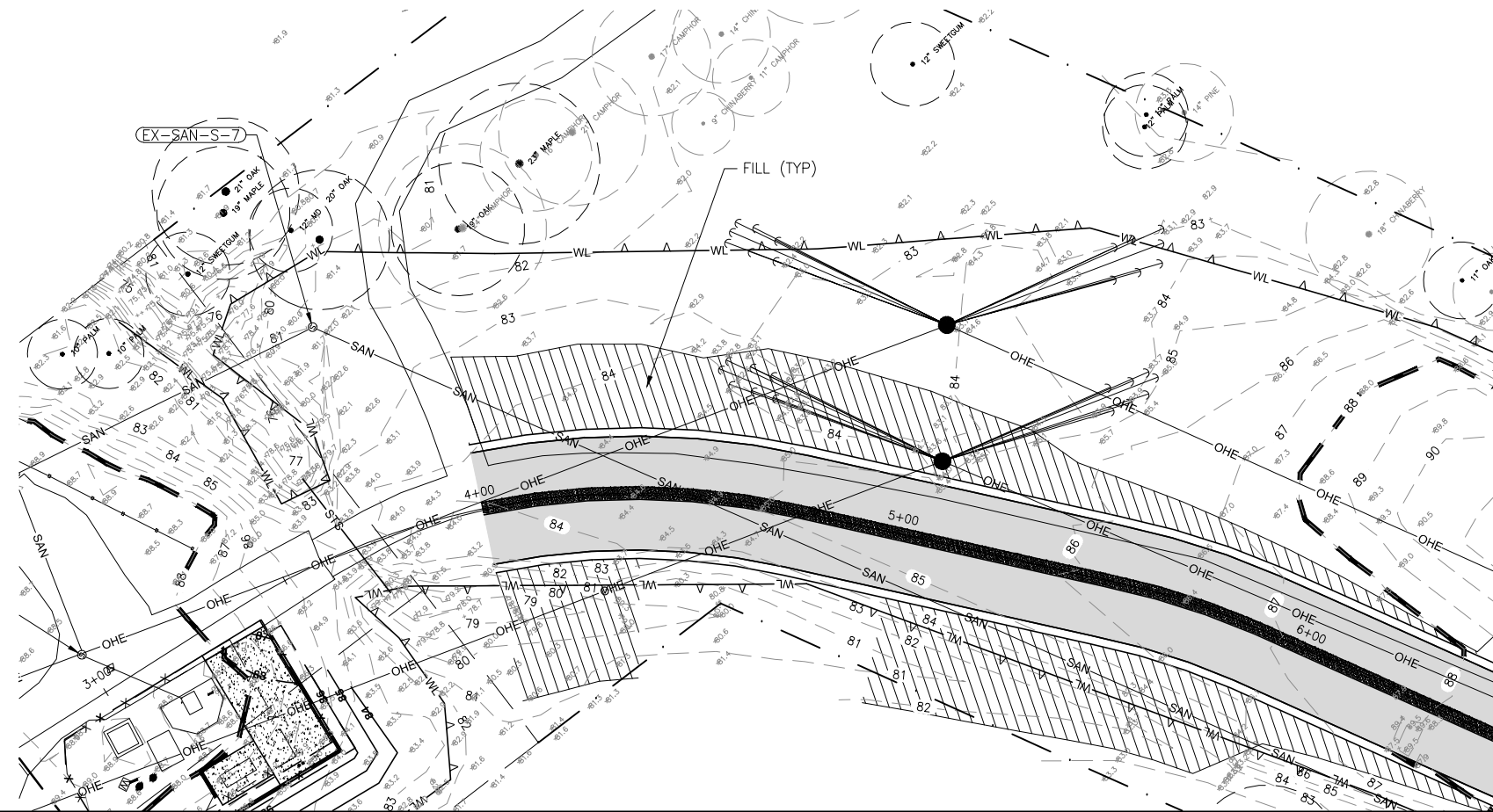
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**GAINESVILLE REGIONAL UTILITIES
 DRYING BED SOLIDS HANDLING**

ACCESS ROAD-PLAN AND PROFILE

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PROJECT NO:	07125-070-01	DATE:	
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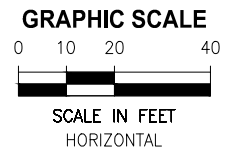
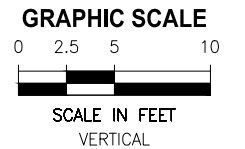
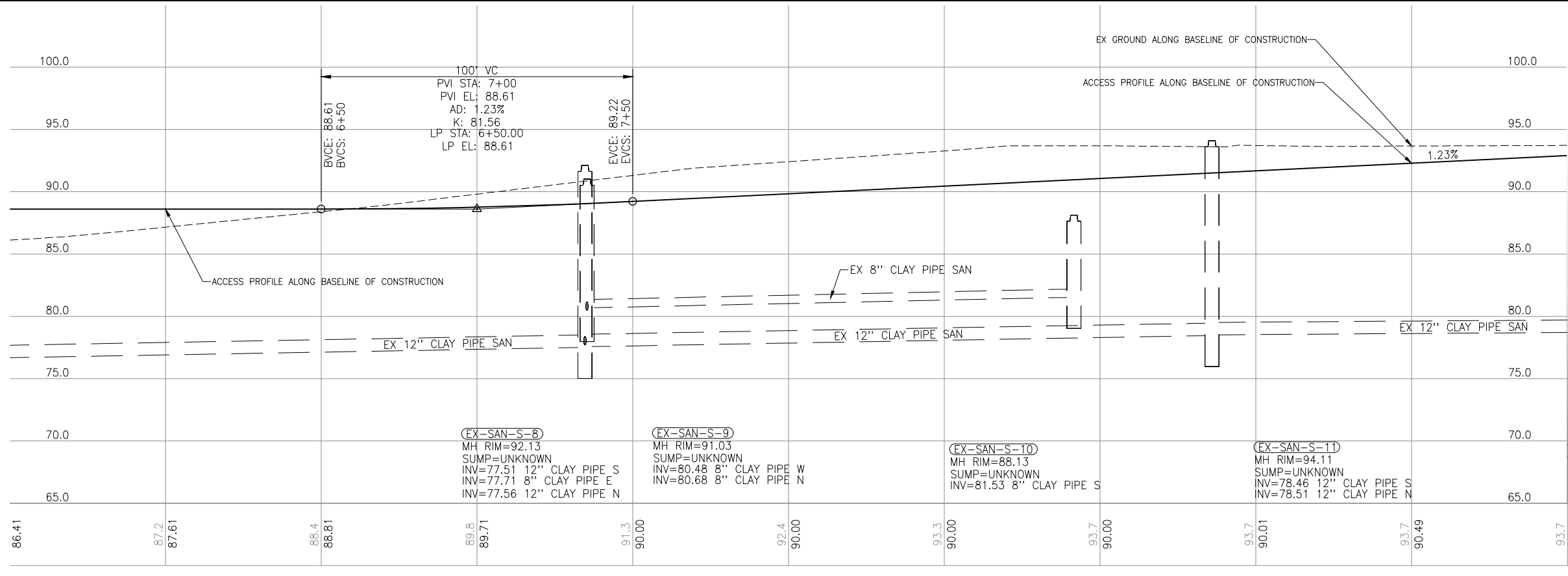
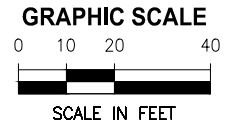
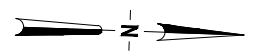
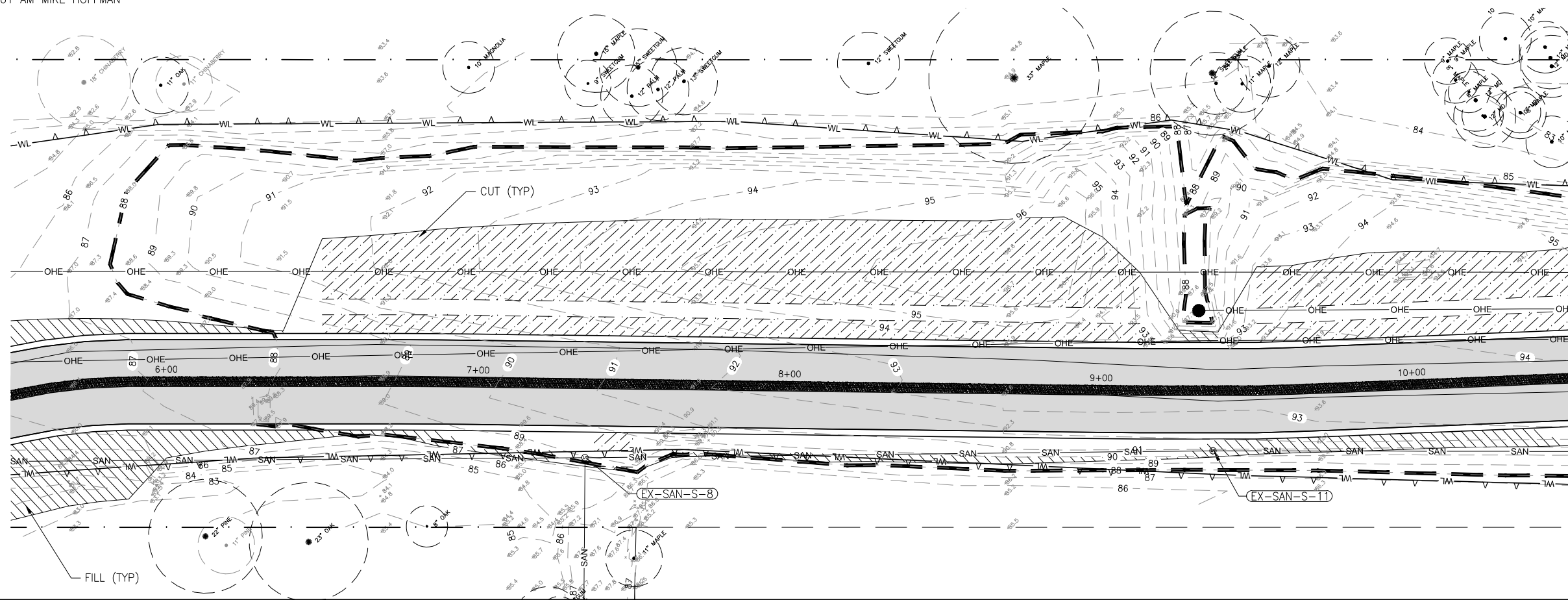
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GAINESVILLE REGIONAL UTILITIES
DRYING BED SOLIDS HANDLING

ACCESS ROAD-PLAN AND PROFILE

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LTR.	DATE
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APPRD.	

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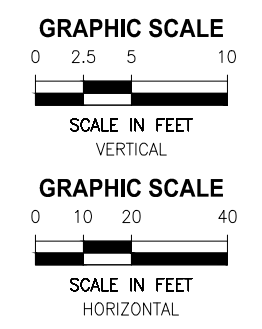
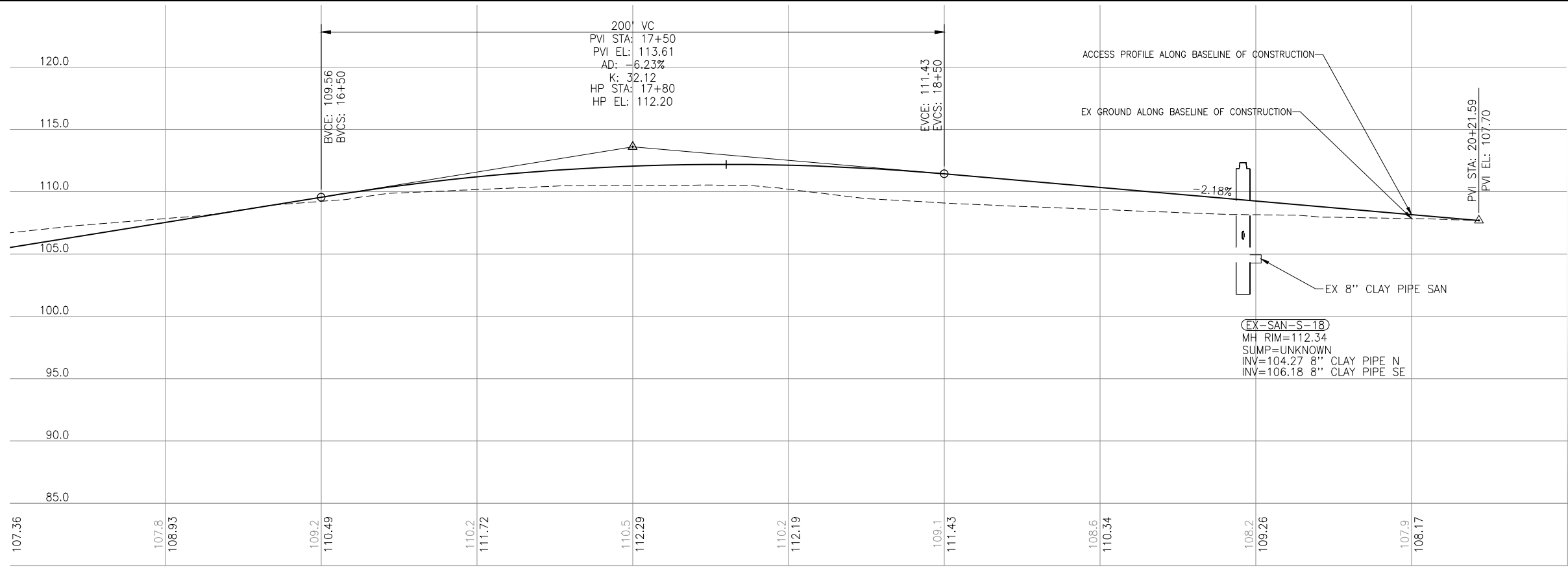
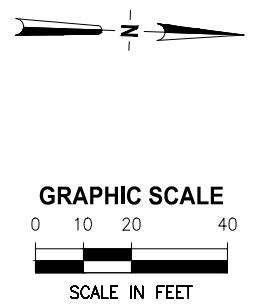
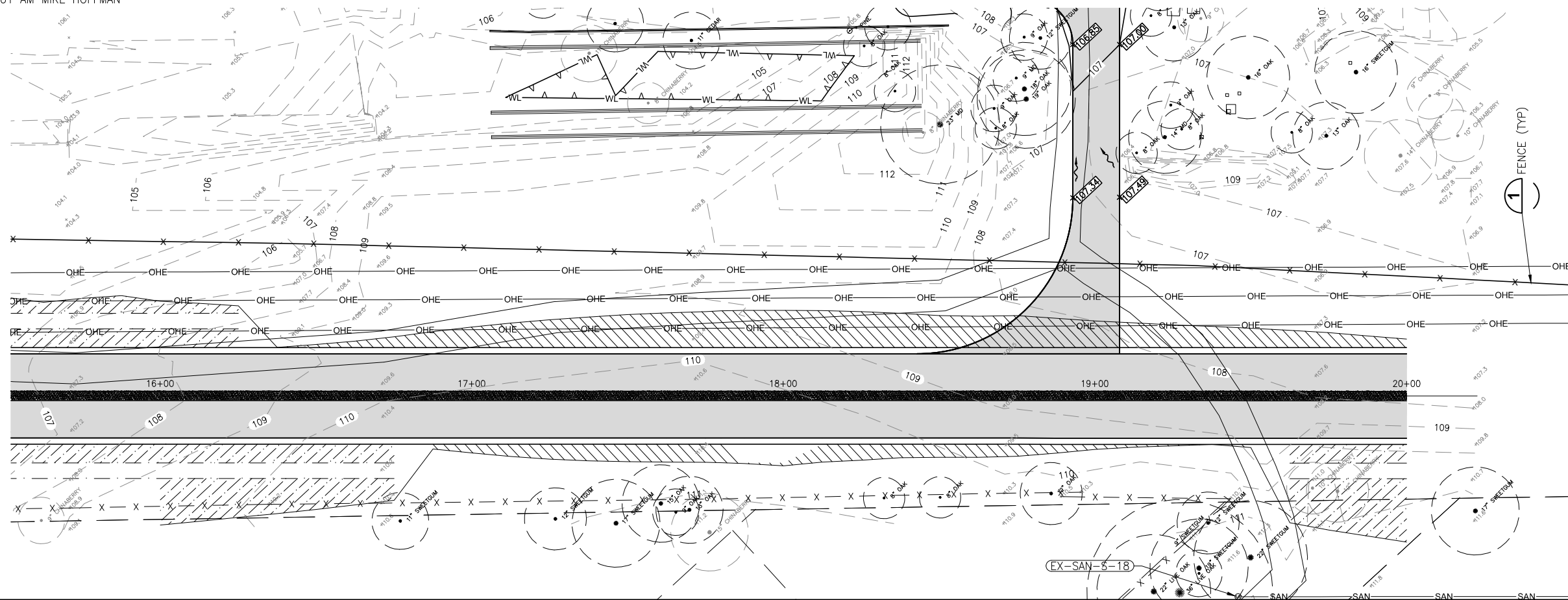
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GAINESVILLE REGIONAL UTILITIES
DRYING BED SOLIDS HANDLING

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INDEX NO:		DWG NO:	AC04



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GAINESVILLE REGIONAL UTILITIES
DRYING BED SOLIDS HANDLING

ACCESS ROAD-PLAN AND PROFILE

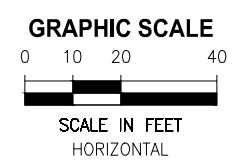
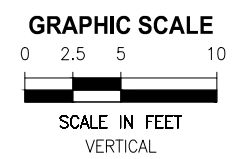
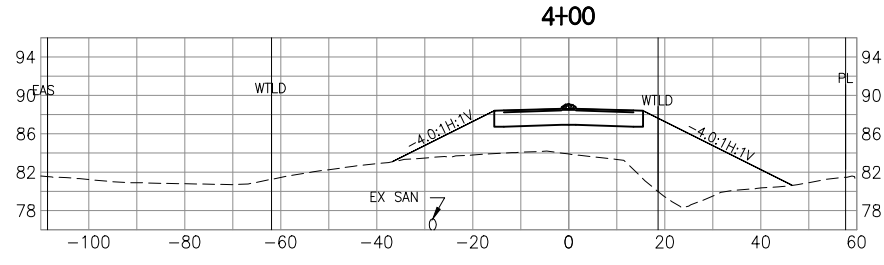
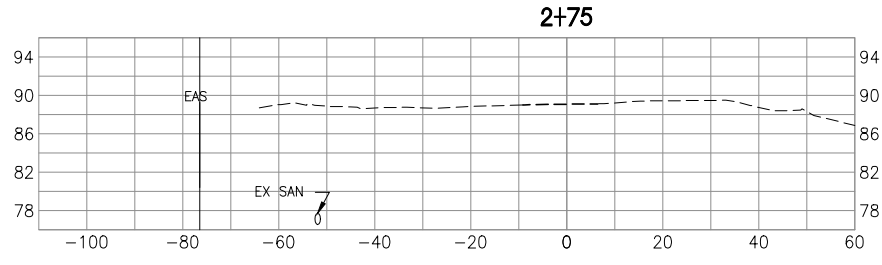
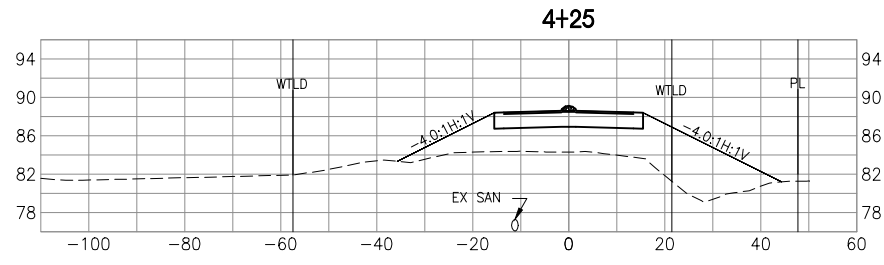
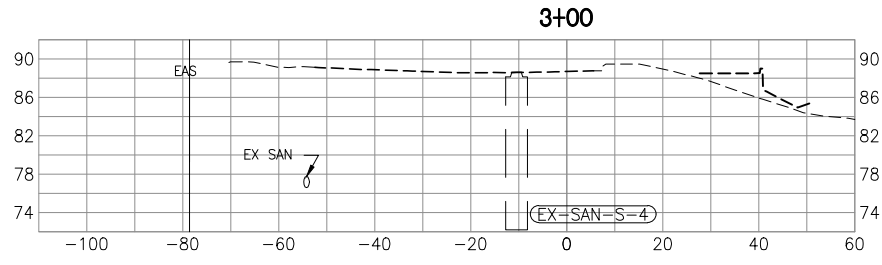
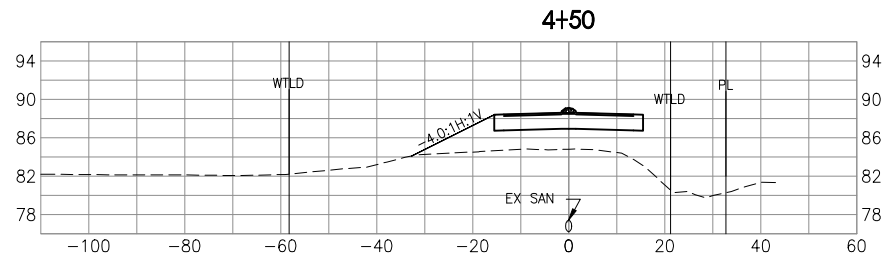
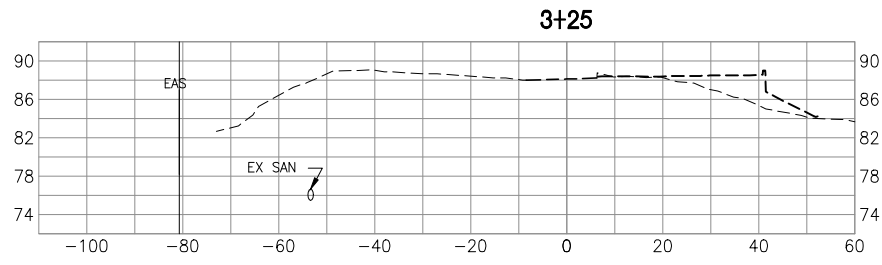
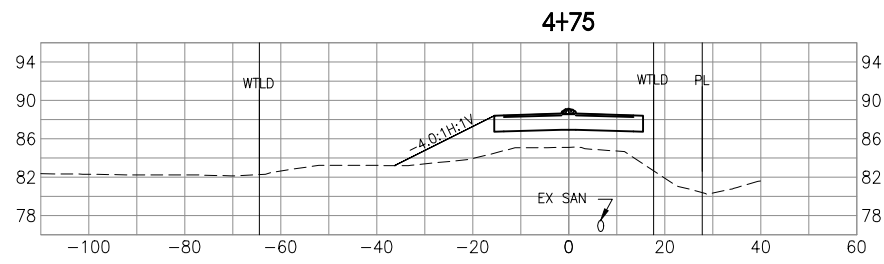
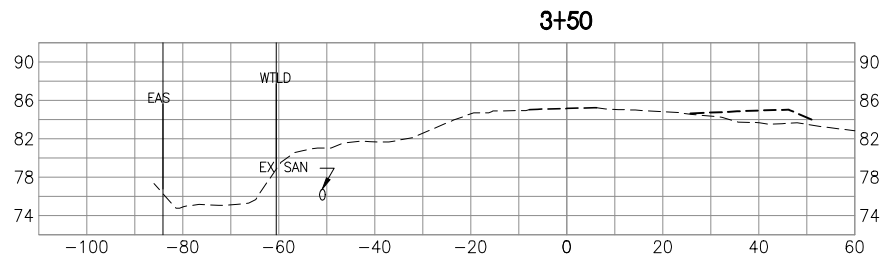
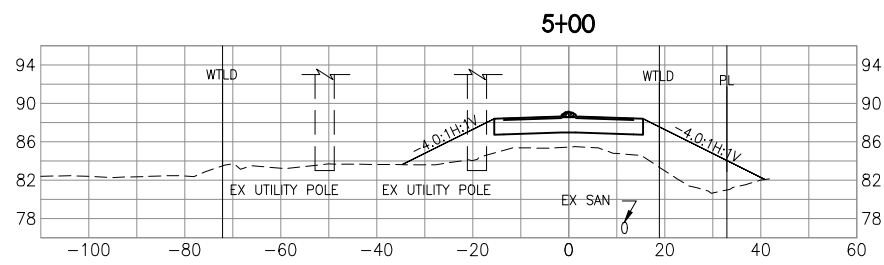
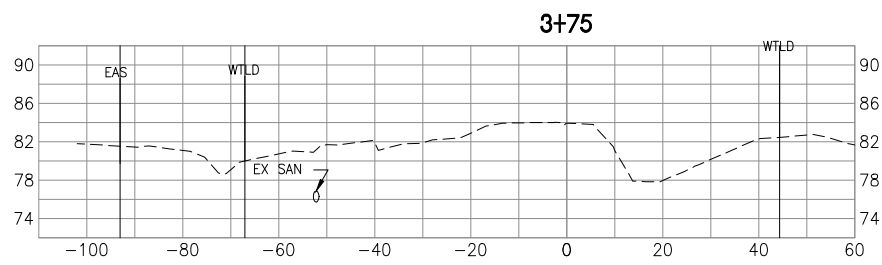
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PROJECT NO:	07125-070-01	DATE:	
INDEX NO:		DWG NO:	AC06

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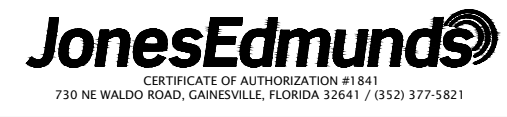
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 EXISTING UTILITIES, WHERE
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 BEEN FIELD VERIFIED AND
 THEREFORE NOT SHOWN.



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 CHECKED: AGOODDEN



GAINESVILLE REGIONAL UTILITIES
DRYING BED SOLIDS HANDLING

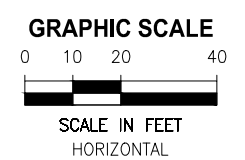
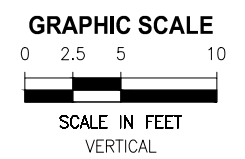
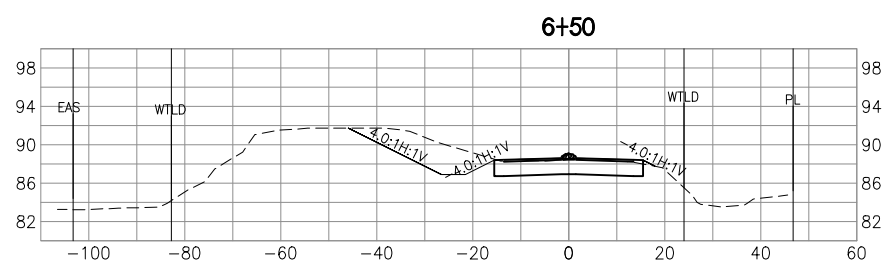
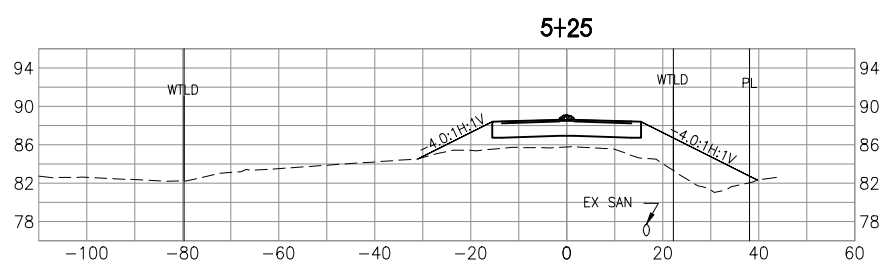
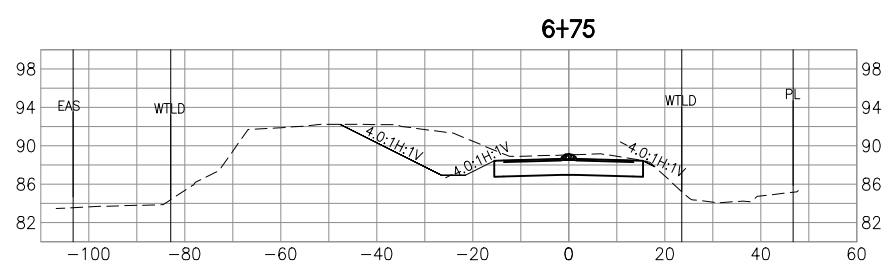
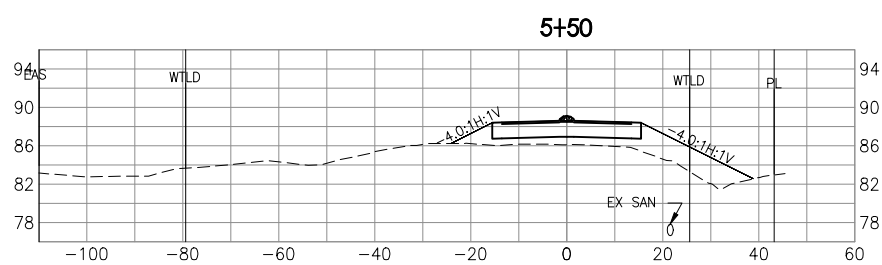
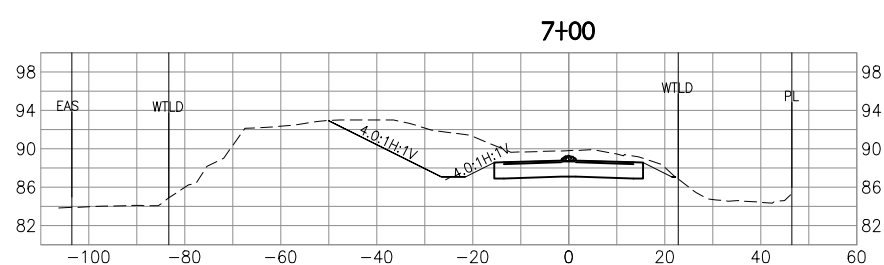
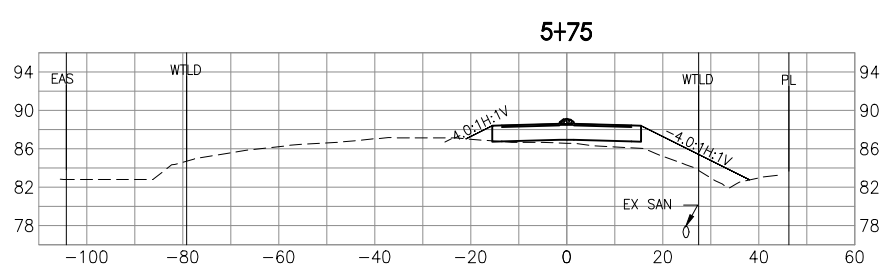
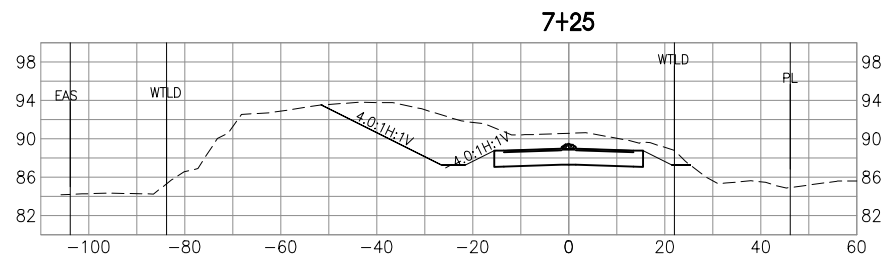
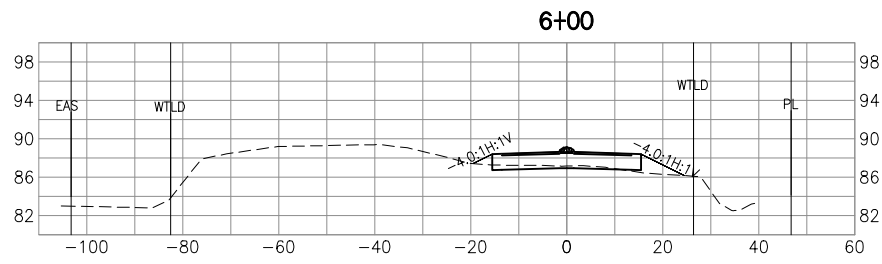
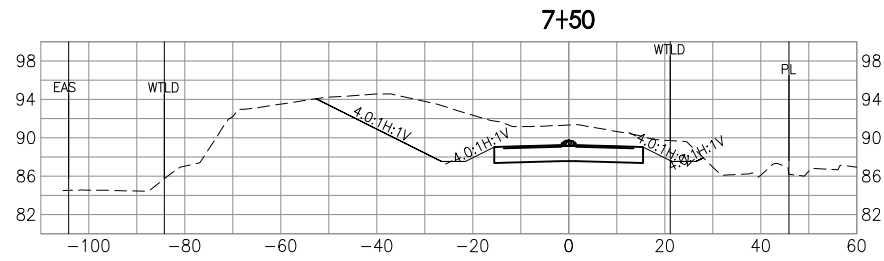
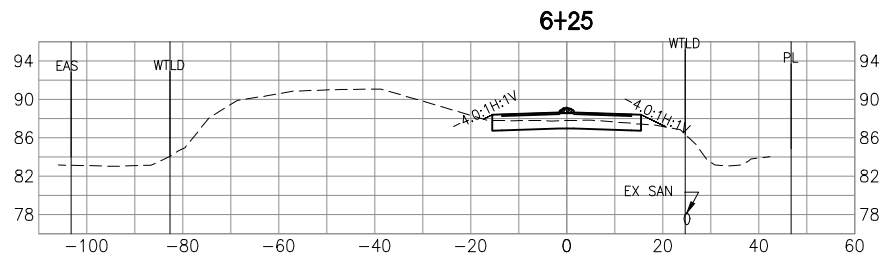
ACCESS ROAD-CROSS SECTIONS

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PROJECT NO:
 07125-070-01
 DATE:
 INDEX NO:
 DWG NO:
 AC07

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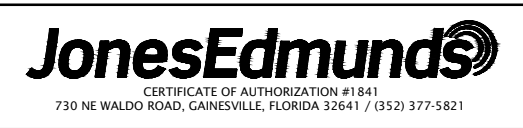
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GAINESVILLE REGIONAL UTILITIES
DRYING BED SOLIDS HANDLING

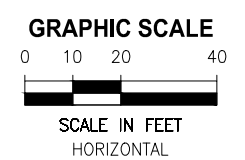
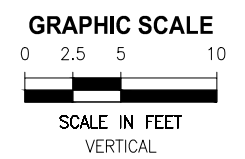
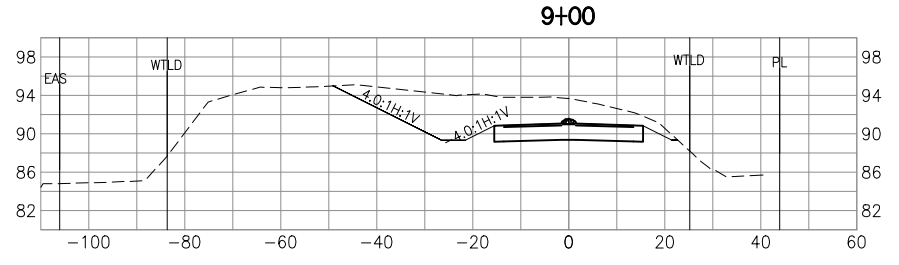
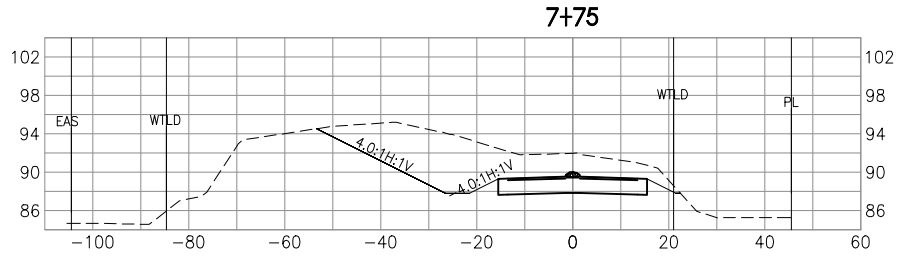
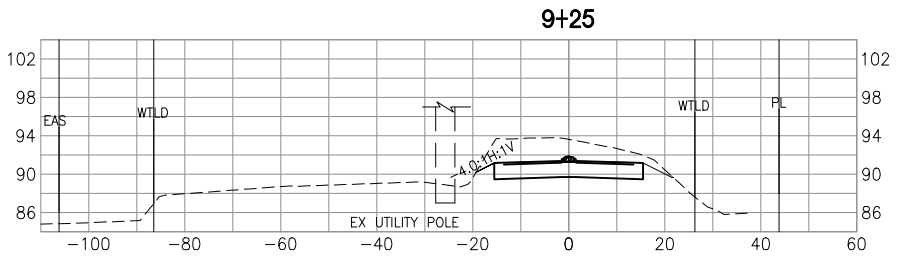
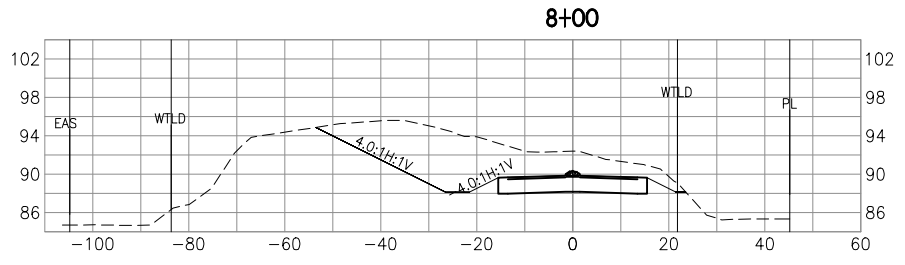
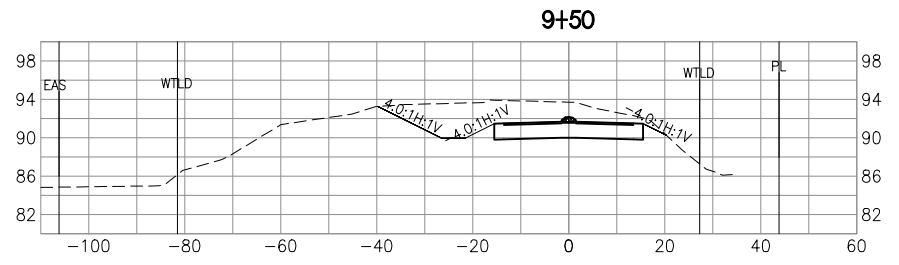
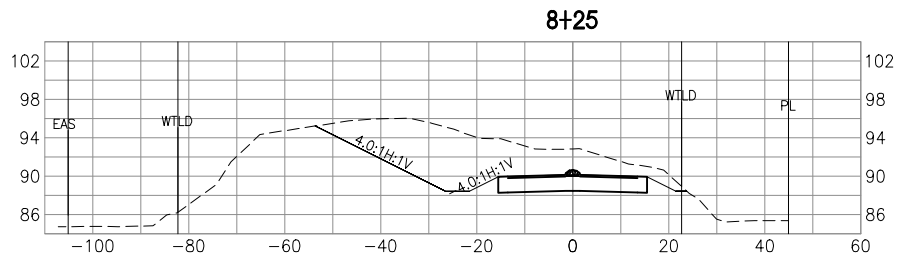
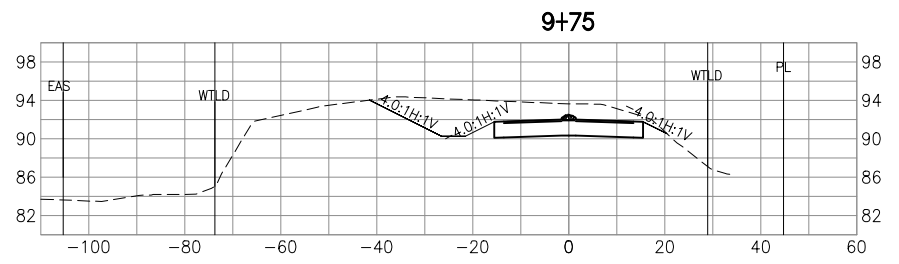
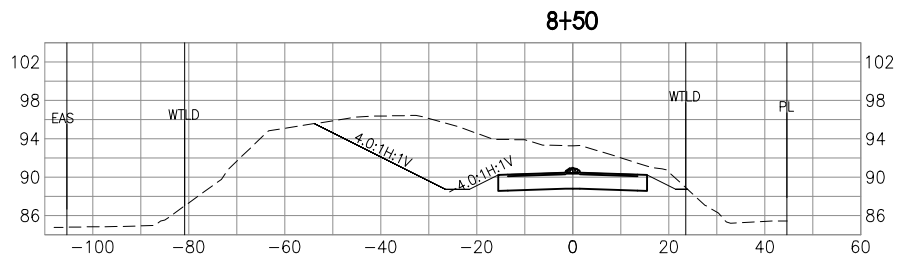
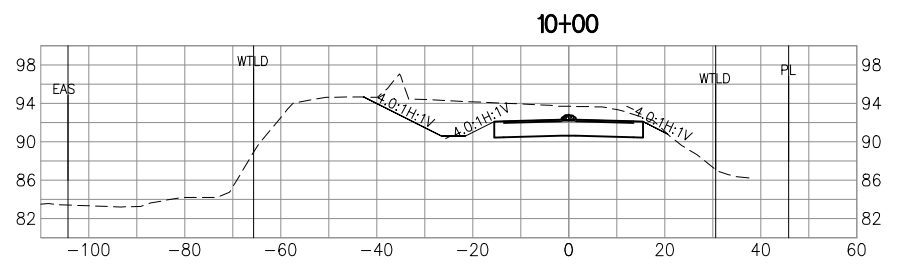
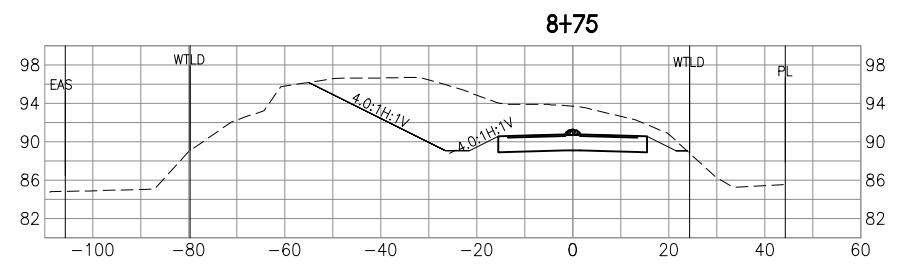
ACCESS ROAD-CROSS SECTIONS

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 P.E. #

PROJECT NO:
 07125-070-01
 INDEX NO:
 DATE:
 DWG NO:
 AC08

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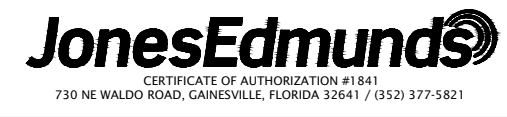
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DESIGNED: MHOFFMAN
 DRAWN: MHOFFMAN
 CHECKED: AGOODDEN



GAINESVILLE REGIONAL UTILITIES
DRYING BED SOLIDS HANDLING

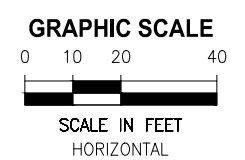
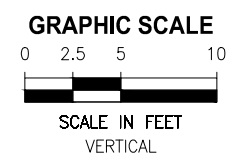
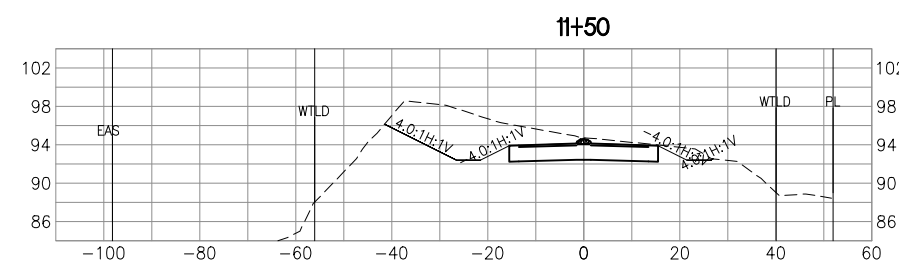
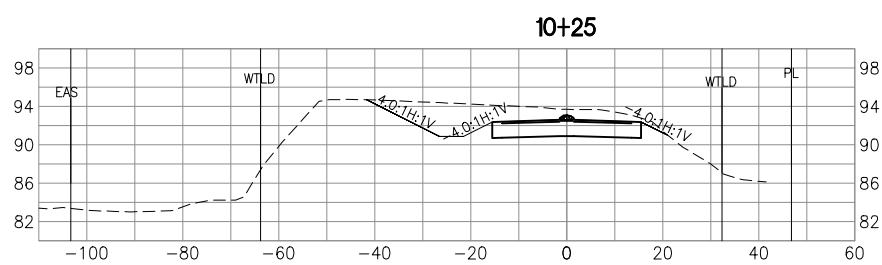
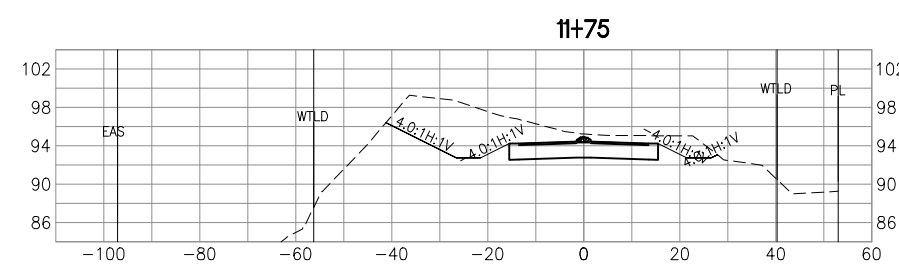
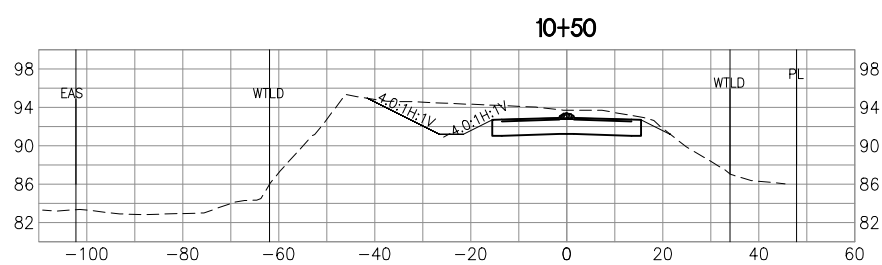
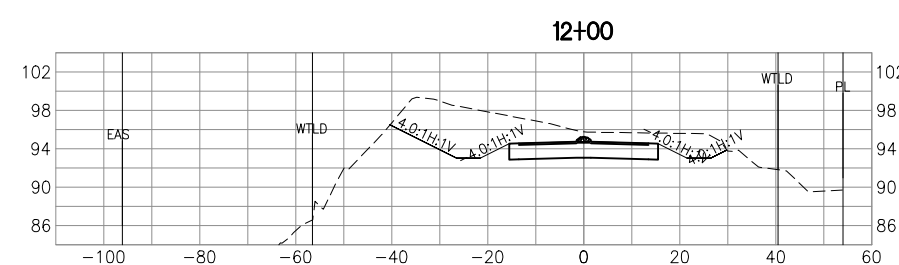
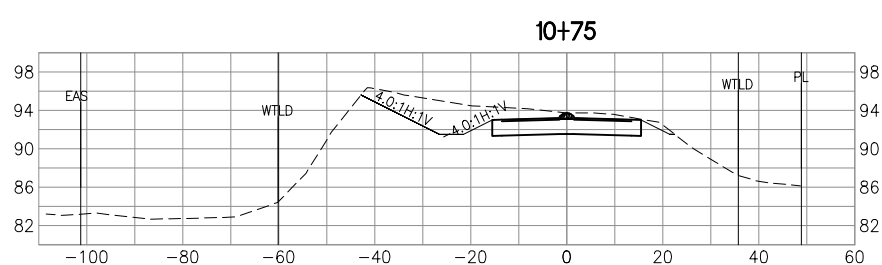
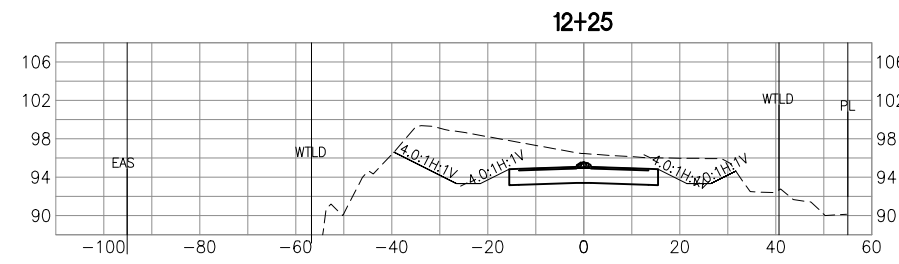
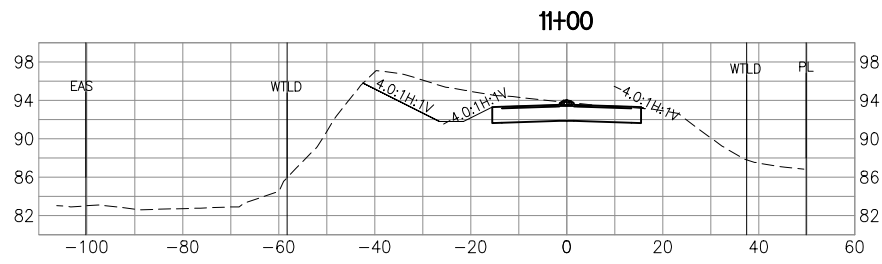
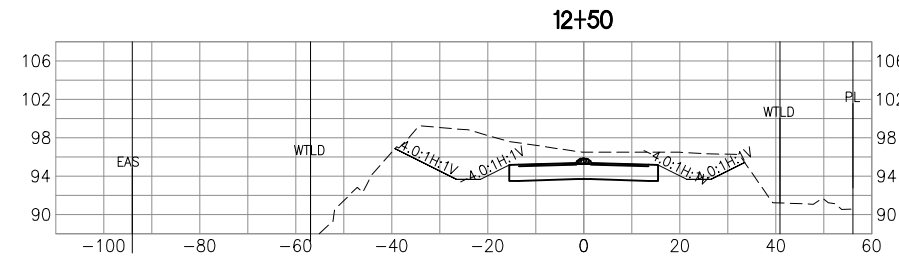
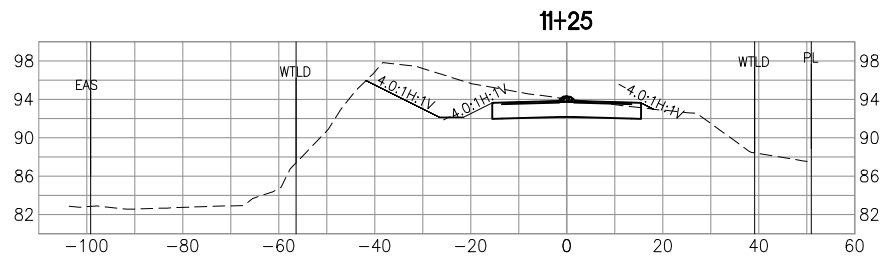
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 P.E. #

PROJECT NO:
 07125-070-01
 DATE:
 INDEX NO:
 DWG NO:
 AC09

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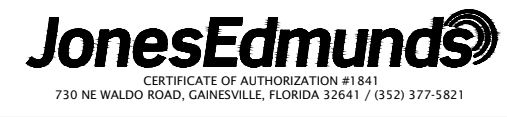
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LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED: MHOFFMAN
 DRAWN: MHOFFMAN
 CHECKED: AGOODDEN



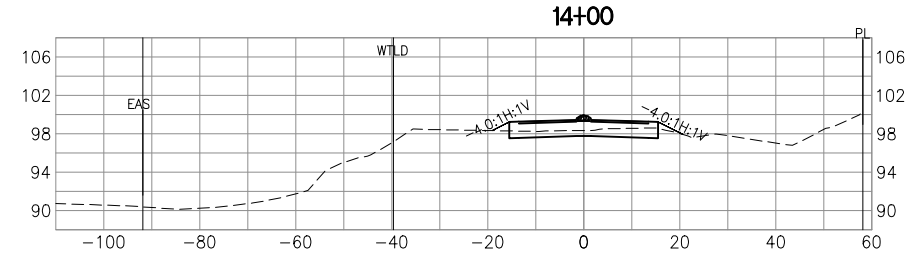
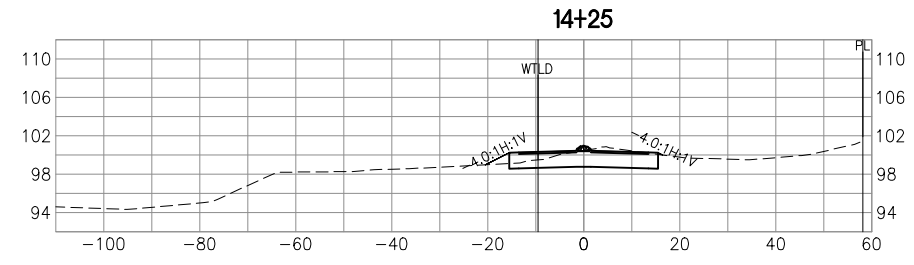
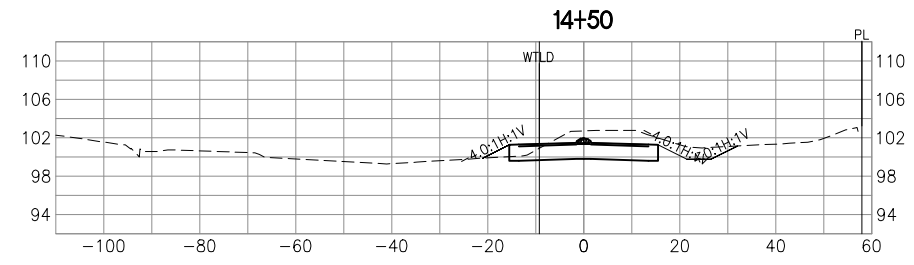
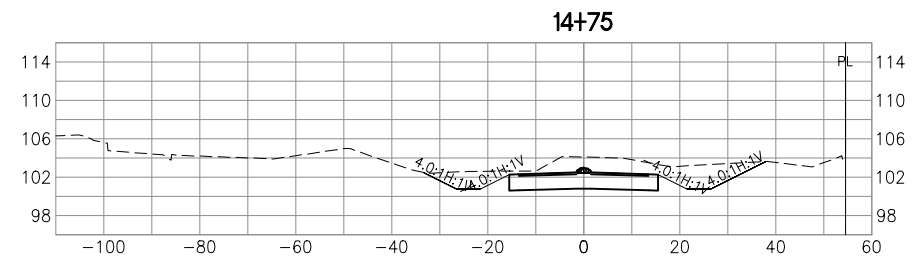
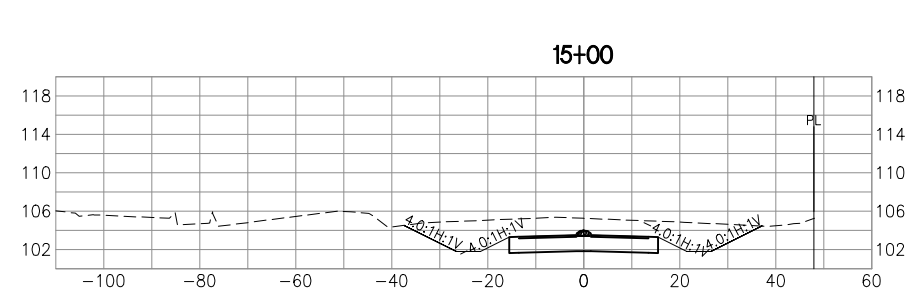
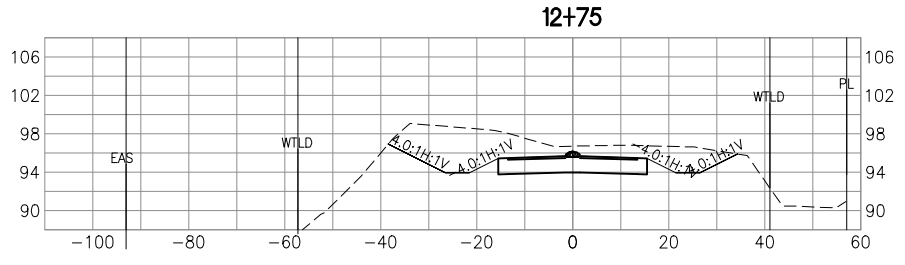
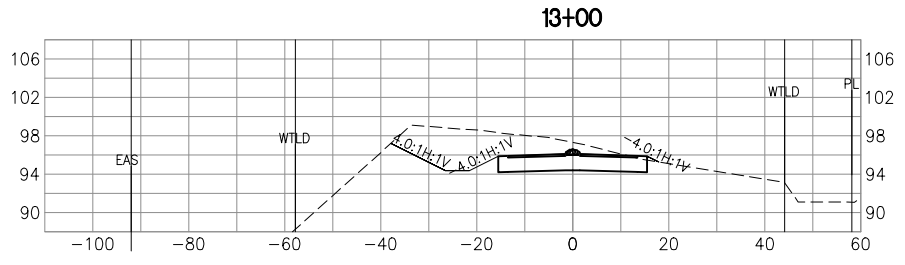
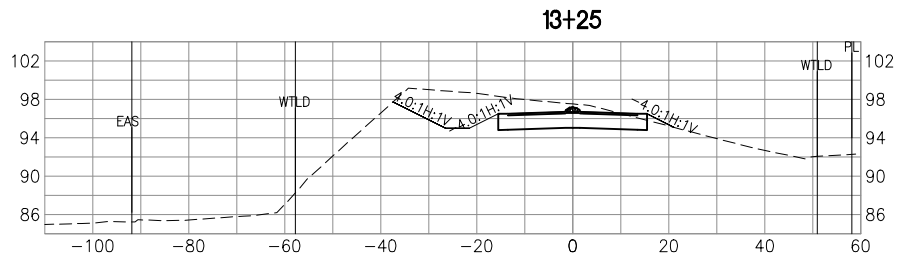
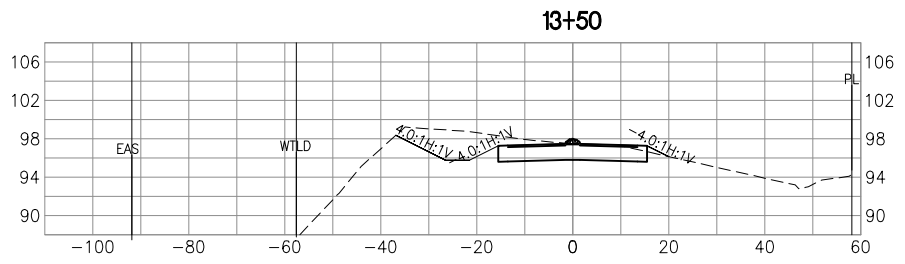
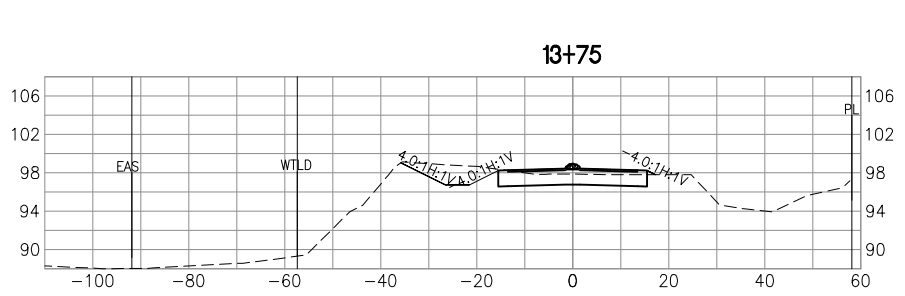
GAINESVILLE REGIONAL UTILITIES
DRYING BED SOLIDS HANDLING

ACCESS ROAD-CROSS SECTIONS

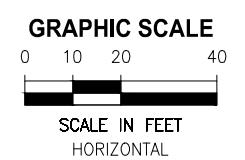
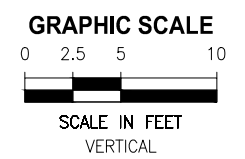
APPROVED BY:
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 P.E. #

PROJECT NO:
 07125-070-01
 DATE:
 INDEX NO:
 DWG NO:
 AC10

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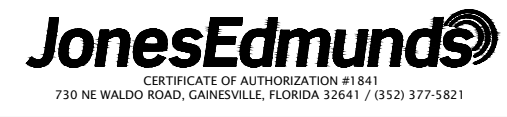
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LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED: MHOFFMAN
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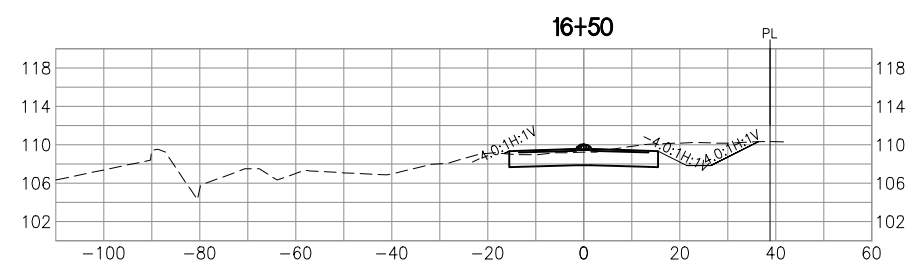
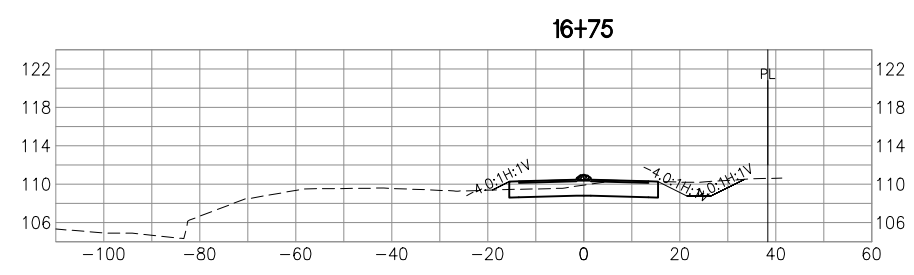
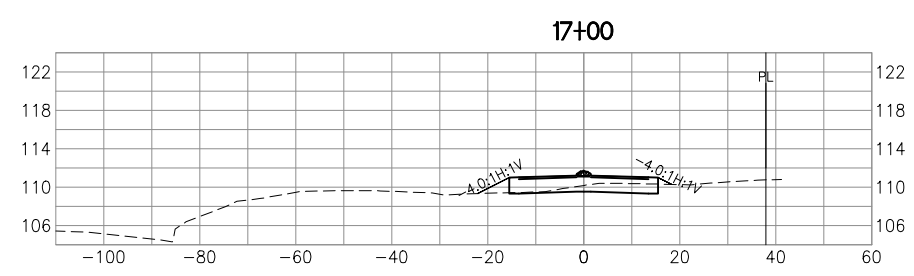
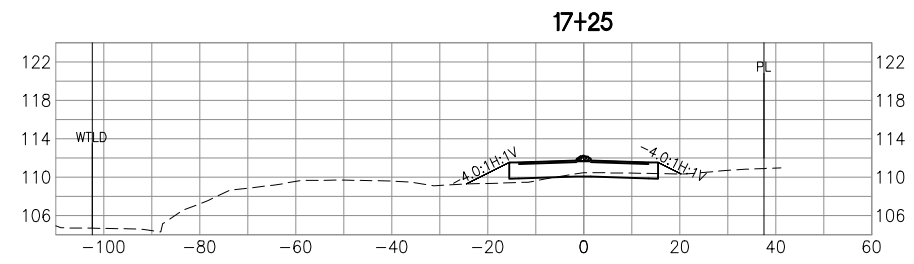
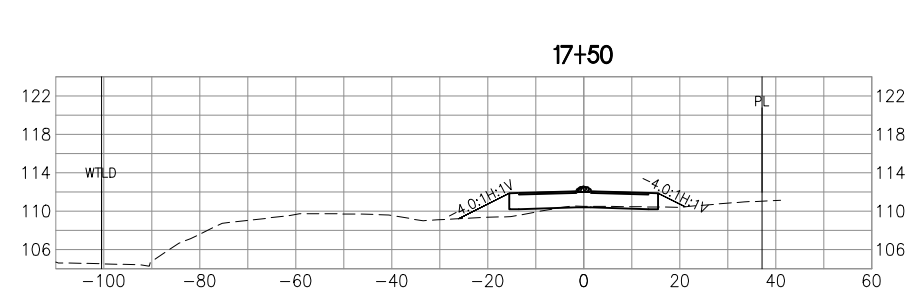
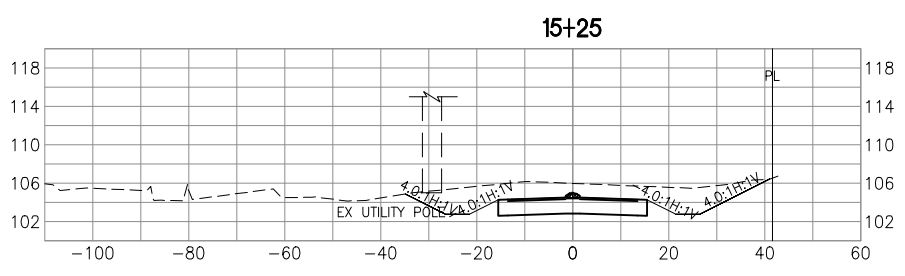
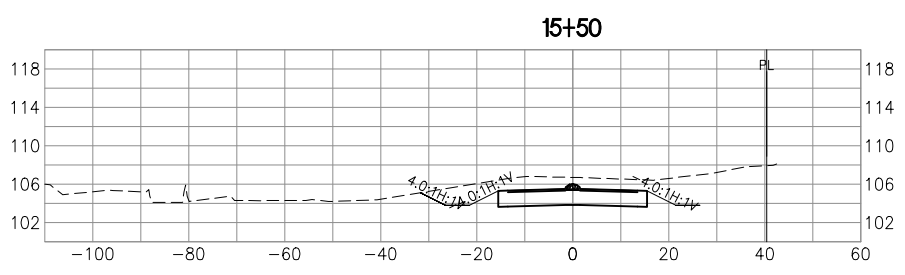
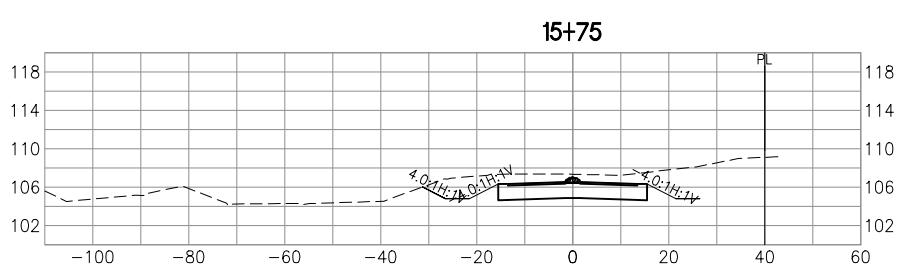
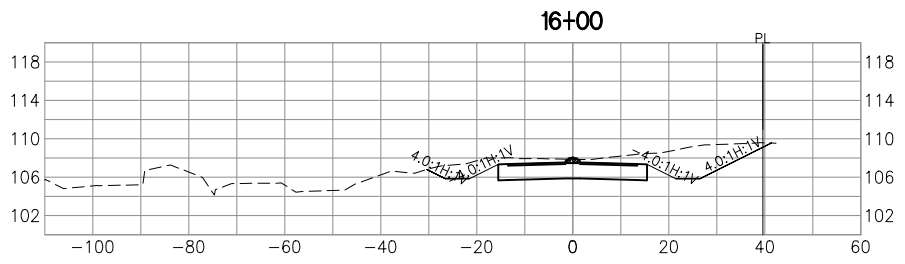
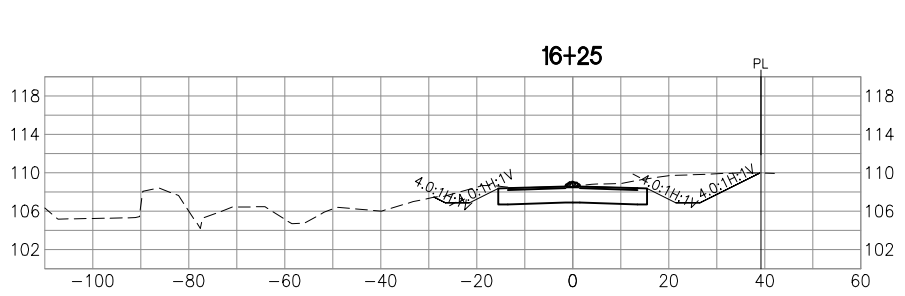
GAINESVILLE REGIONAL UTILITIES
DRYING BED SOLIDS HANDLING

ACCESS ROAD-CROSS SECTIONS

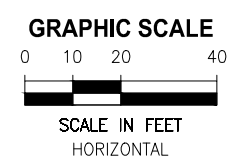
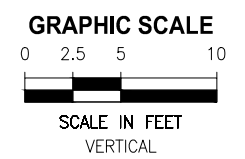
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PROJECT NO:
 07125-070-01
 DATE:
 INDEX NO:
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DESIGNED: MHOFFMAN
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 CHECKED: AGOODDEN

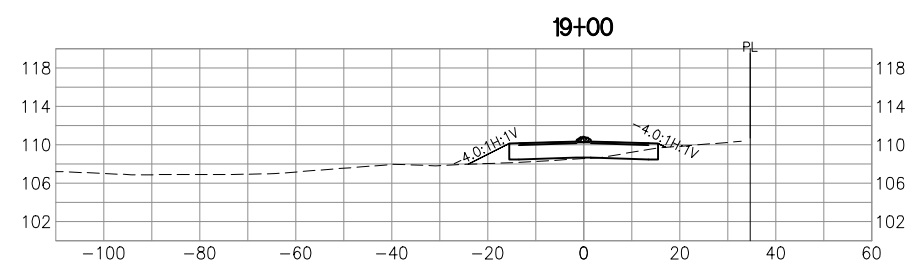
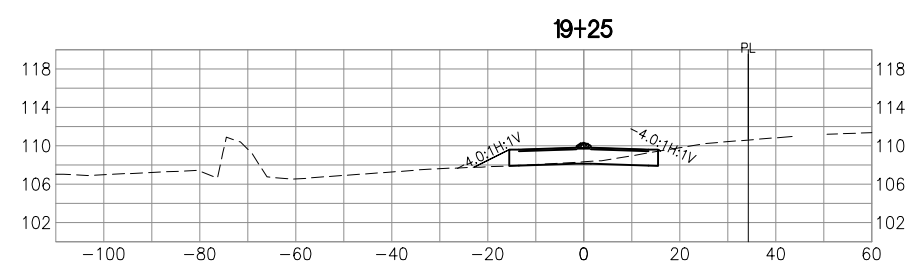
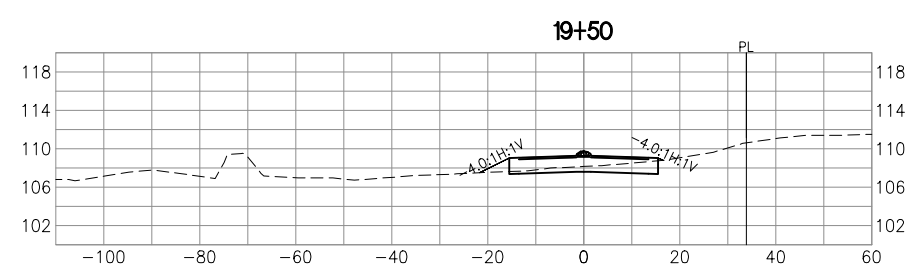
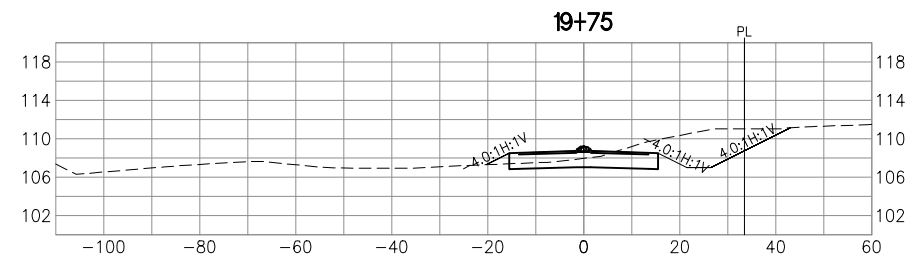
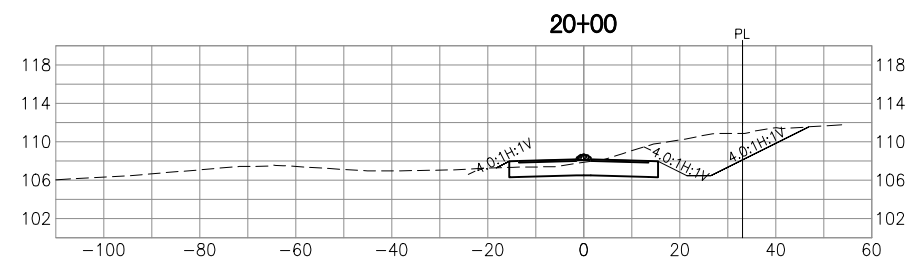
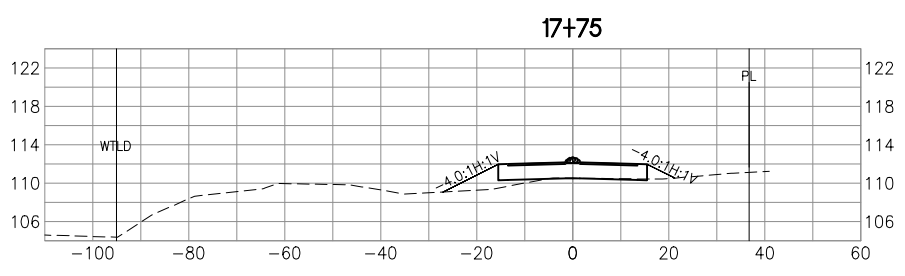
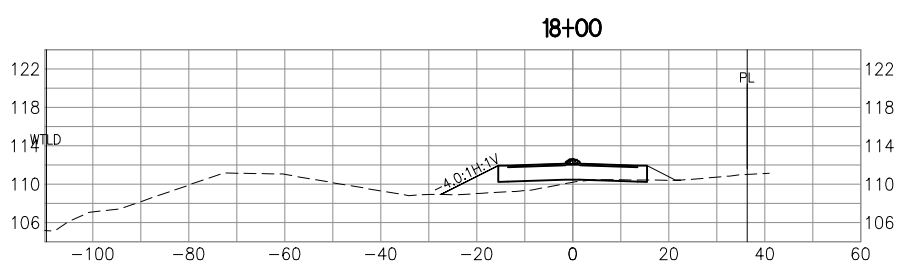
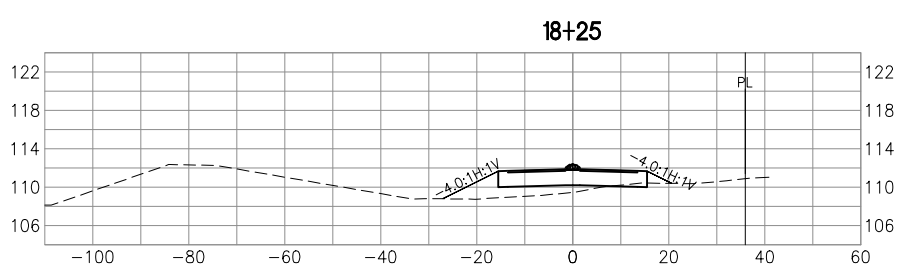
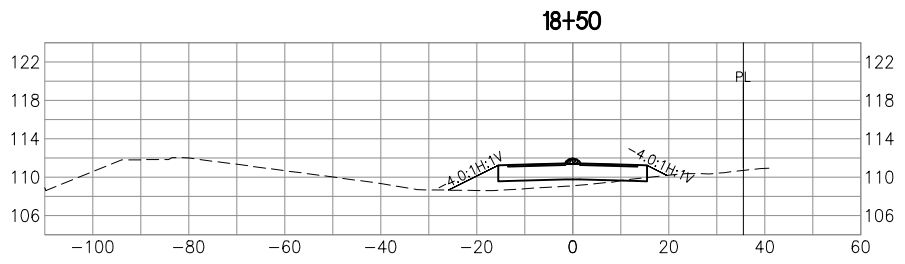
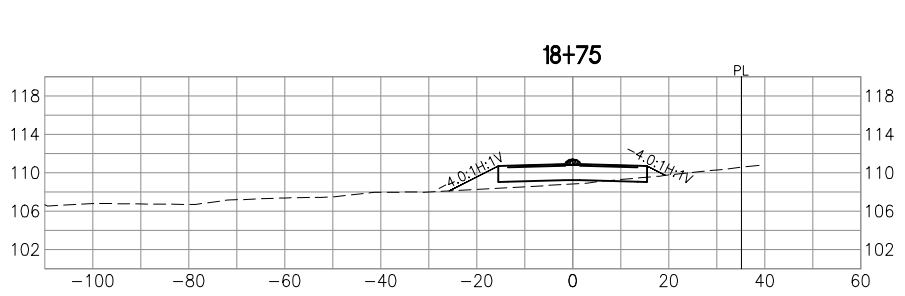
JonesEdmunds
 CERTIFICATE OF AUTHORIZATION #1841
 730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

**GAINESVILLE REGIONAL UTILITIES
 DRYING BED SOLIDS HANDLING**

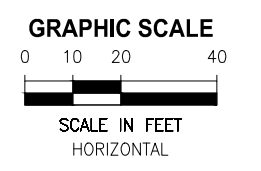
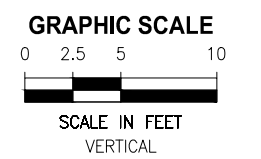
ACCESS ROAD-CROSS SECTIONS

APPROVED BY:
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 P.E. #

PROJECT NO:
 07125-070-01
 DATE:
 INDEX NO:
 DWG NO:
 AC12



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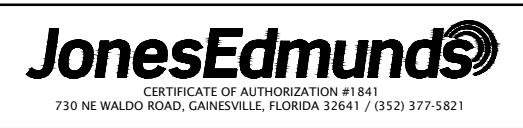


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LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED: MHOFFMAN
 DRAWN: MHOFFMAN
 CHECKED: AGOODDEN



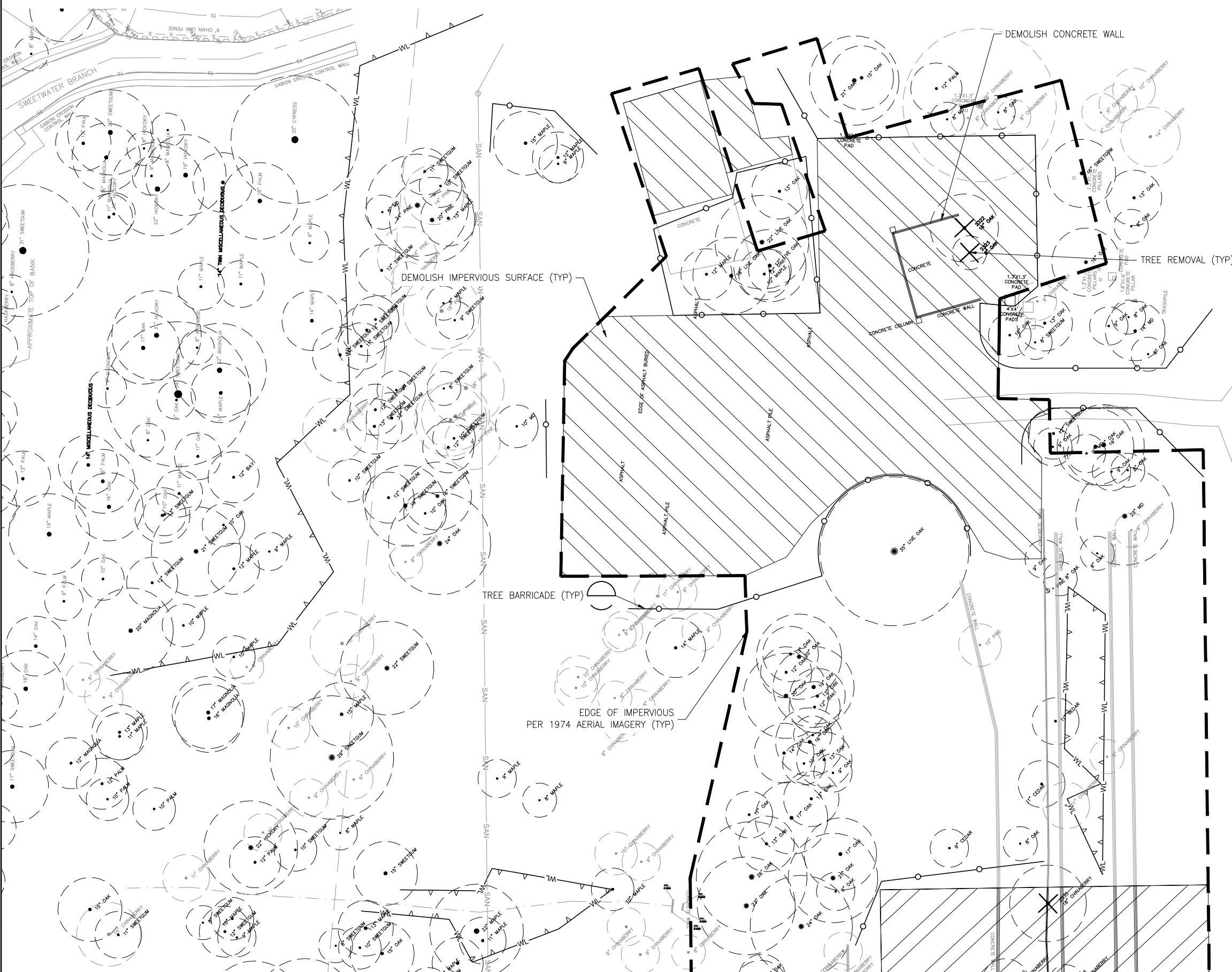
GAINESVILLE REGIONAL UTILITIES
DRYING BED SOLIDS HANDLING

ACCESS ROAD-CROSS SECTIONS

APPROVED BY:
 TBD
 P.E. #

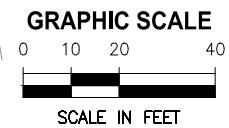
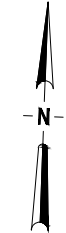
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 DATE:
 INDEX NO:
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 AC13

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 3/26/2020 7:51 AM MHOFFMAN



REGULATED TREE DEMO			
POINT	DBH SPECIES	NORTHING	EASTING
2322	16" OAK	237512.38	2660066.76
2914	12" PALM	237138.62	2660088.83
2323	8" OAK	237502.86	2660069.09

UNREGULATED TREE DEMO			
POINT	DBH SPECIES	NORTHING	EASTING
2871	8" CHINABERRY	237178.34	2660119.15
2967	11" CHINABERRY	237049.95	2659983.34
2583	8" CHINABERRY	237220.45	2660116.84
2575	9" CHINABERRY	237183.73	2660108.11
2535	18" CHINABERRY	237250.70	2660108.74
2578	9" CHINABERRY	237198.31	2660130.75
2570	9" CHINABERRY	237203.65	2660071.48
2946	10" PINE	237087.13	2660052.34
2562	11" CHINABERRY	237219.48	2660093.26
2573	8" CHINABERRY	237205.46	2660089.97
2576	11" CHINABERRY	237199.25	2660113.80
3512	" CHINABERRY	237043.04	2660077.07
2872	10" CHINABERRY	237168.37	2660119.75
2941	9" CHINABERRY	237107.81	2660094.87
2877	11" CHINABERRY	237179.12	2660079.18
2942	10" CHINABERRY	237085.09	2660086.16
2878	11" CHINABERRY	237190.18	2660067.06
3551	9" CHINABERRY	237072.66	2660115.69
2911	11" CHINABERRY	237151.58	2660050.63
3552	9" CHINABERRY	237068.42	2660139.19
2912	8" CHINABERRY	237148.61	2660059.99
2915	14" CHINABERRY	237147.99	2660113.46
3513	8" CHINABERRY	237048.90	2660060.49
2937	24" CHINABERRY	237098.42	2660125.03
2938	12" CHINABERRY	237090.66	2660124.32
2939	12" CHINABERRY	237083.85	2660122.69
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2879	11" CHINABERRY	237190.78	2660058.07
2943	9" CHINABERRY	237097.86	2660084.21
2944	12" CHINABERRY	237117.63	2660073.53
2945	9" CHINABERRY	237117.71	2660058.20
3014	8" CHINABERRY	237107.32	2659982.64
3020	11" CHINABERRY	237046.84	2660007.52
3550	9" CHINABERRY	237072.75	2660103.75
3013	10" CHINABERRY	237111.72	2659978.92
3011	9" CHINABERRY	237105.93	2659972.57
3012	16" CHINABERRY	237106.01	2659978.17
2963	10" CHINABERRY	237061.67	2660001.89



LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED	MHOFFMAN
DRAWN	MHOFFMAN
CHECKED	AGOODFEN

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 CERTIFICATE OF AUTHORIZATION #1841
 730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

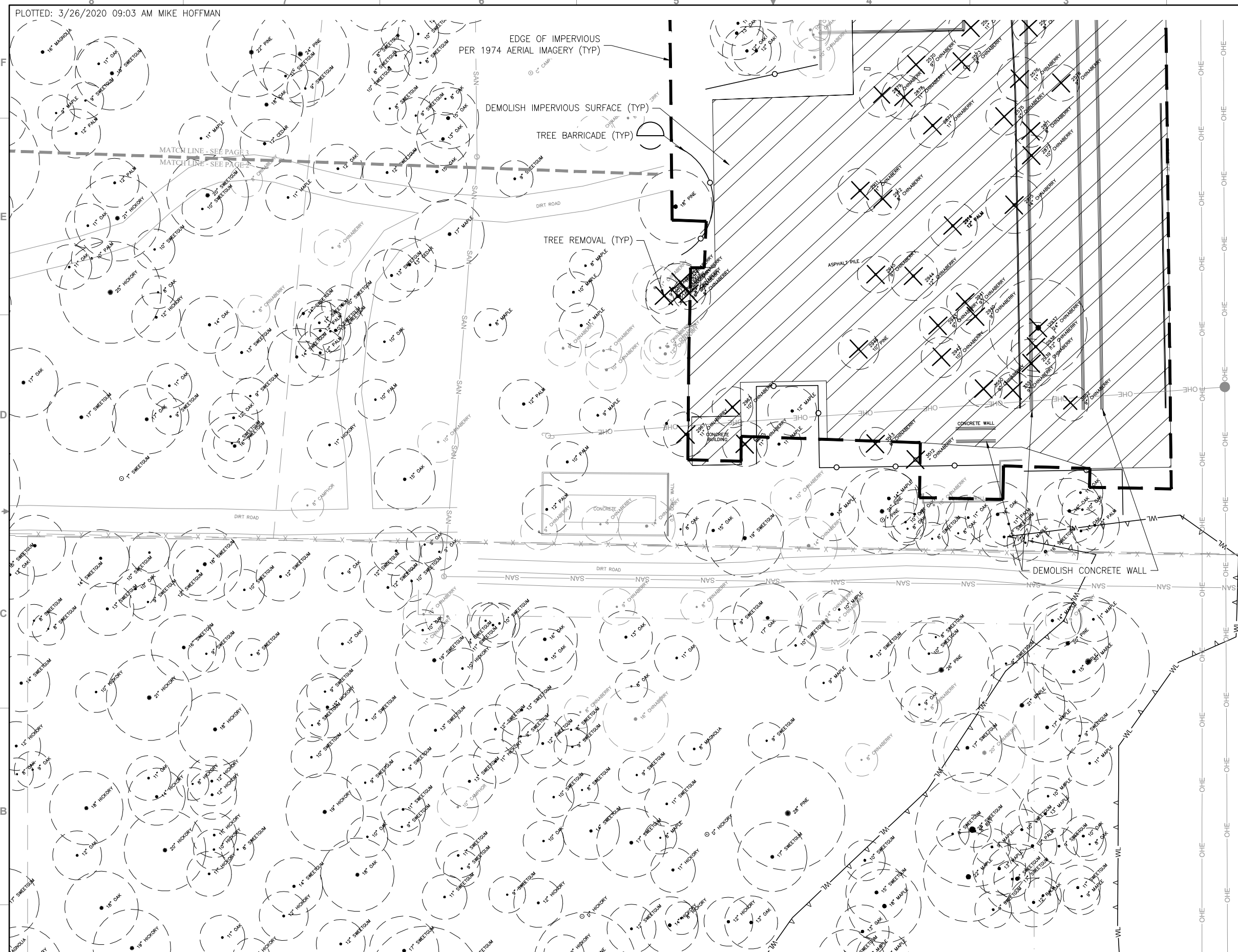
**GAINESVILLE REGIONAL UTILITIES
 DRYING BED SOLIDS HANDLING**

DRYING BED SITE-DEMOLITION PLAN

APPROVED BY:	PROJECT NO:	DATE:
TBD	07125-070-01	
P.E. #	INDEX NO:	DWG NO:
		DD01

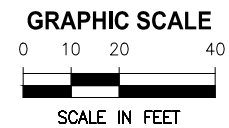
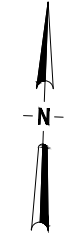
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REGULATED TREE DEMO			
POINT	DBH SPECIES	NORTHING	EASTING
2322	16" OAK	237512.38	2660066.76
2914	12" PALM	237138.62	2660088.83
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UNREGULATED TREE DEMO			
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2575	9" CHINABERRY	237183.73	2660108.11
2535	18" CHINABERRY	237250.70	2660108.74
2578	9" CHINABERRY	237198.31	2660130.75
2570	9" CHINABERRY	237203.65	2660071.48
2946	10" PINE	237087.13	2660052.34
2562	11" CHINABERRY	237219.48	2660093.26
2573	8" CHINABERRY	237205.46	2660089.97
2576	11" CHINABERRY	237199.25	2660113.80
3512	" CHINABERRY	237043.04	2660077.07
2872	10" CHINABERRY	237168.37	2660119.75
2941	9" CHINABERRY	237107.81	2660094.87
2877	11" CHINABERRY	237179.12	2660079.18
2942	10" CHINABERRY	237085.09	2660086.16
2878	11" CHINABERRY	237190.18	2660067.06
3551	9" CHINABERRY	237072.66	2660115.69
2911	11" CHINABERRY	237151.58	2660050.63
3552	9" CHINABERRY	237068.42	2660139.19
2912	8" CHINABERRY	237148.61	2660059.99
2915	14" CHINABERRY	237147.99	2660113.46
3513	8" CHINABERRY	237048.90	2660060.49
2937	24" CHINABERRY	237098.42	2660125.03
2938	12" CHINABERRY	237090.66	2660124.32
2939	12" CHINABERRY	237083.85	2660122.69
2940	9" CHINABERRY	237102.19	2660099.35
2879	11" CHINABERRY	237190.78	2660058.07
2943	9" CHINABERRY	237097.86	2660084.21
2944	12" CHINABERRY	237117.63	2660073.53
2945	9" CHINABERRY	237117.71	2660058.20
3014	8" CHINABERRY	237107.32	2659982.64
3020	11" CHINABERRY	237046.84	2660007.52
3550	9" CHINABERRY	237072.75	2660103.75
3013	10" CHINABERRY	237111.72	2659978.92
3011	9" CHINABERRY	237105.93	2659972.57
3012	16" CHINABERRY	237106.01	2659978.17
2963	10" CHINABERRY	237061.67	2660001.89



LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED	MHOFFMAN
DRAWN	MHOFFMAN
CHECKED	AGOODFEN

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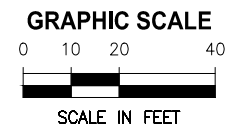
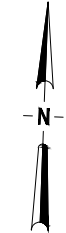
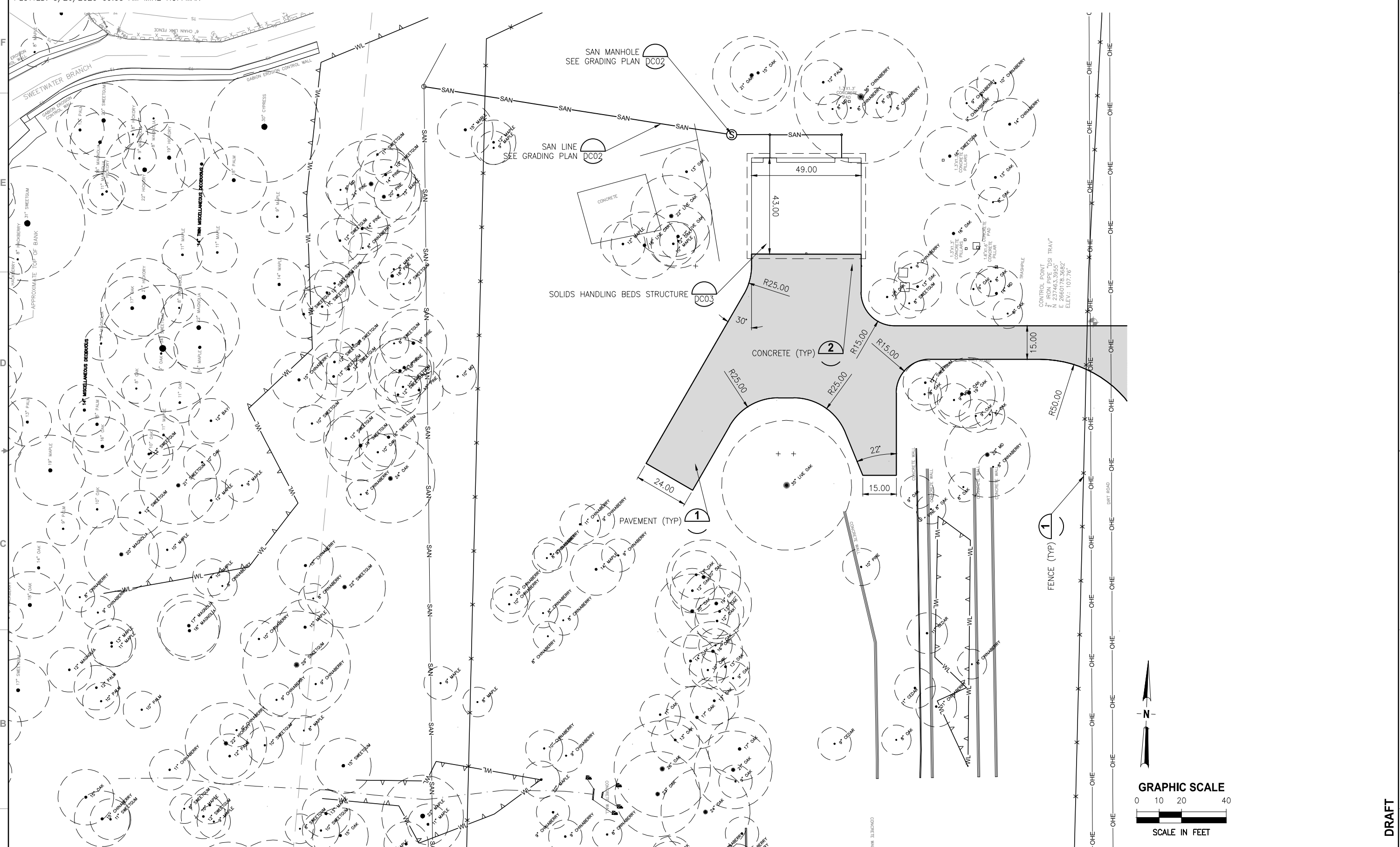
GAINESVILLE REGIONAL UTILITIES
DRYING BED SOLIDS HANDLING

DRYING BED SITE-DEMOLITION PLAN

APPROVED BY:	PROJECT NO:	DATE:
TBD	07125-070-01	
P.E. #	INDEX NO:	DWG NO:
		DD02

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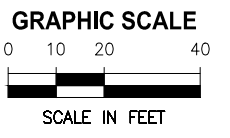
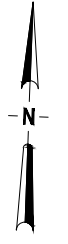
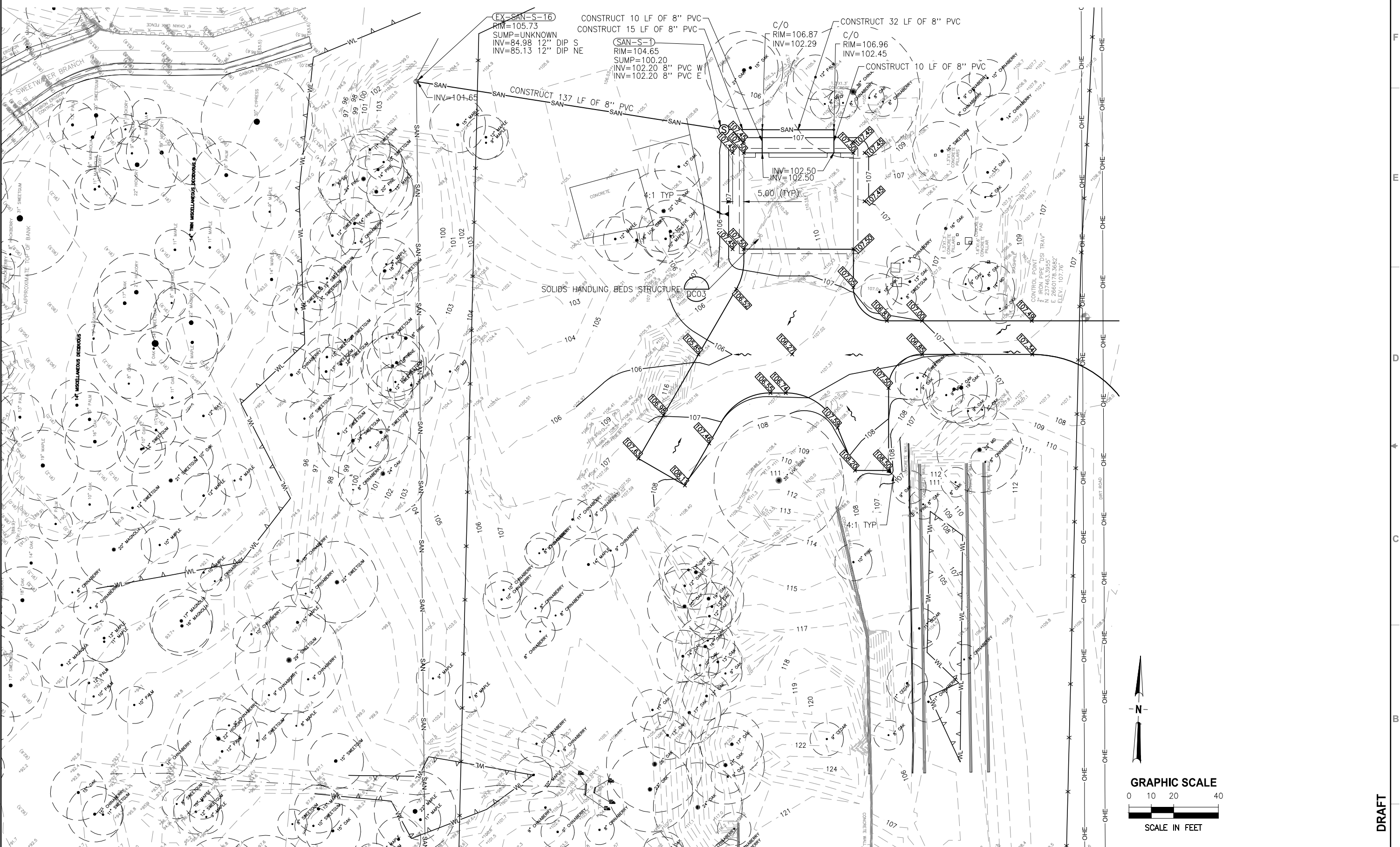
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DRYING BED SOLIDS HANDLING**

DRYING BED SITE-SITE PLAN

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		DC01

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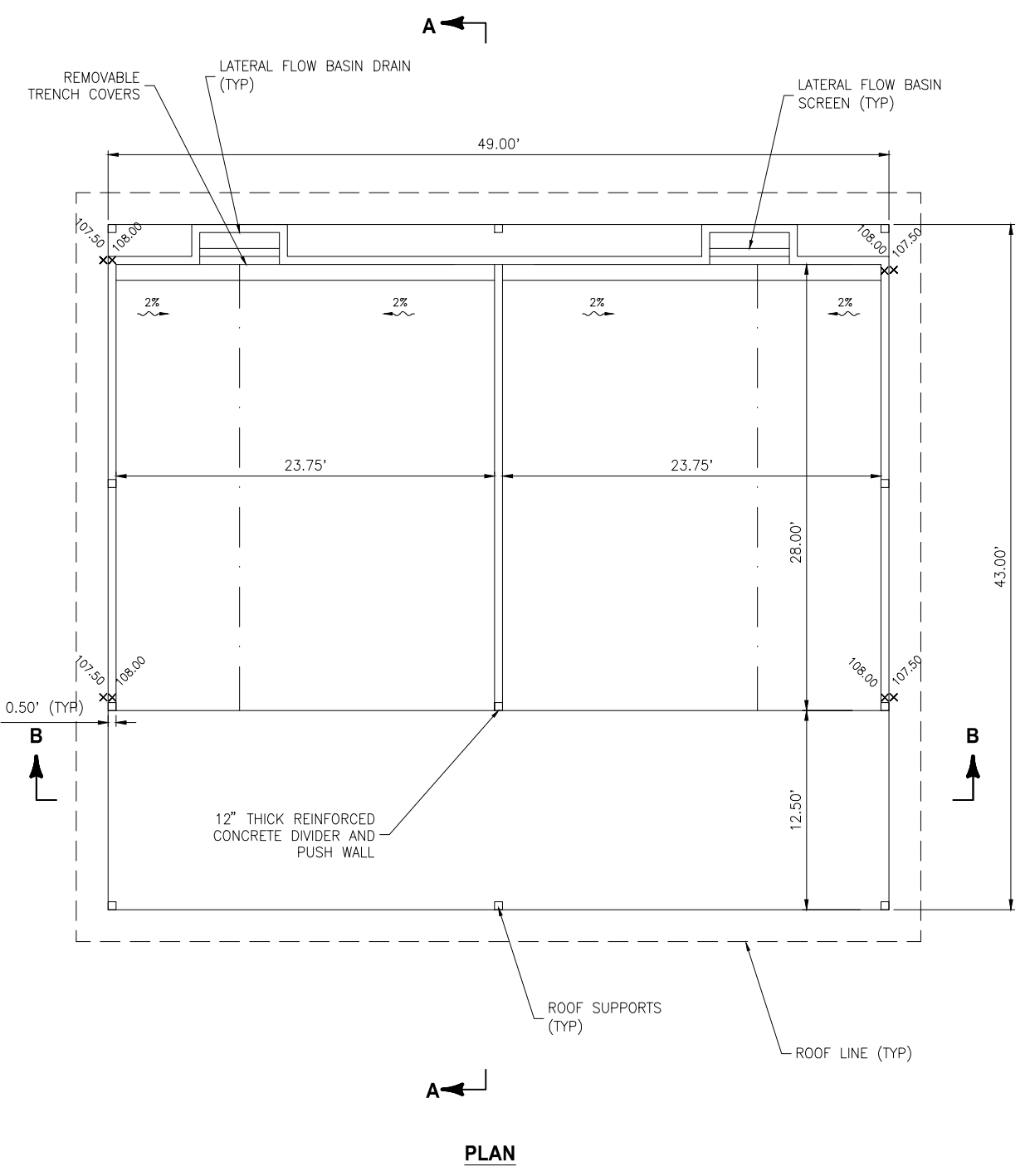
**GAINESVILLE REGIONAL UTILITIES
 DRYING BED SOLIDS HANDLING**

**DRYING BED SITE-GRADING AND UTILITY
 PLAN**

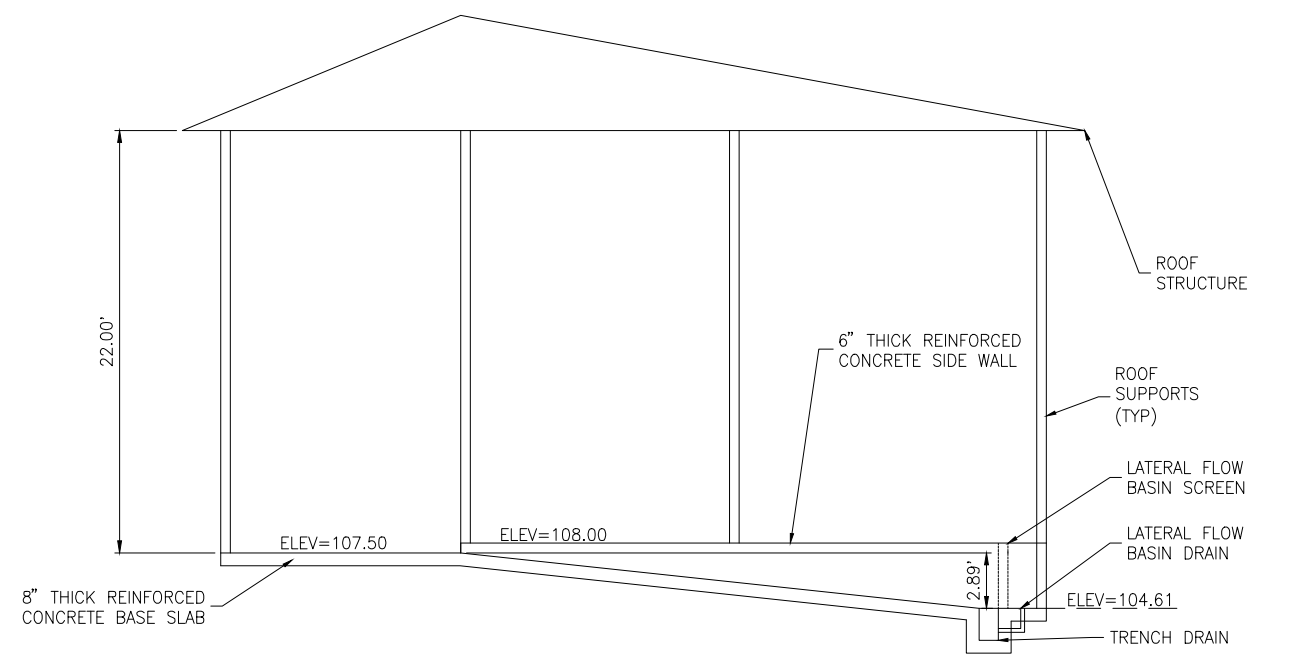
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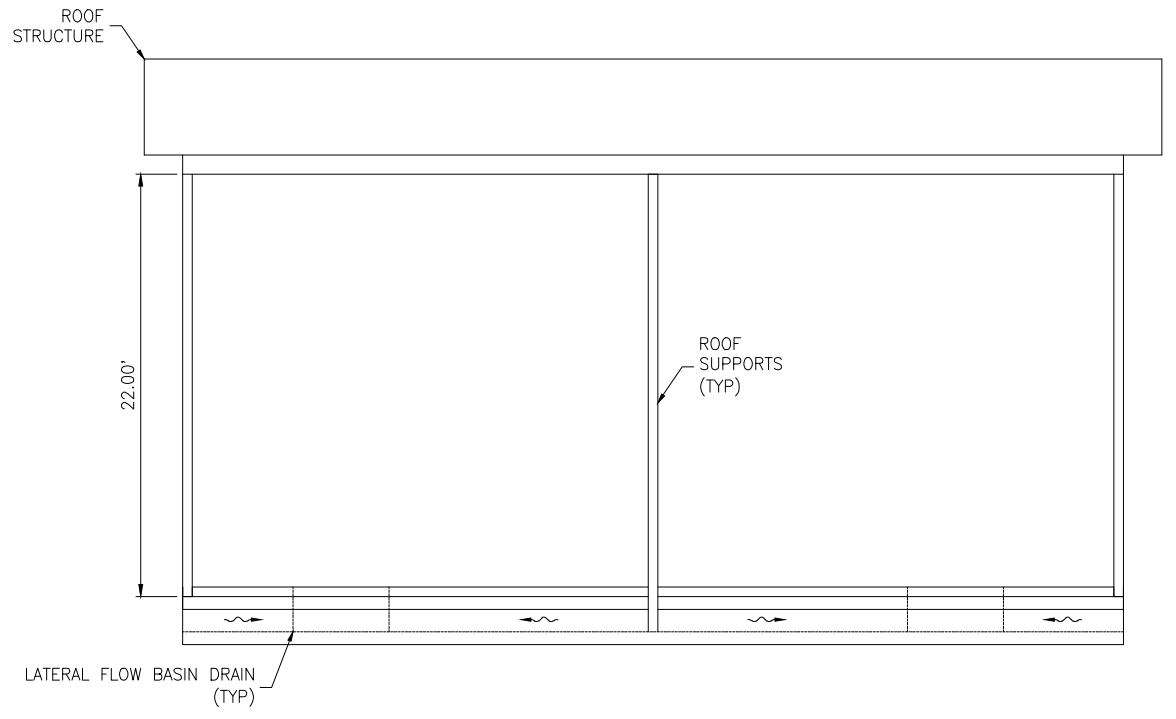
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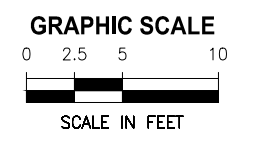
PLAN



SECTION A-A



SECTION B-B



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LTR.	DATE
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**GAINESVILLE REGIONAL UTILITIES
 DRYING BED SOLIDS HANDLING**

DRYING BED SITE-CIVIL DETAILS

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PROJECT NO:
 07125-070-01
 DATE:
 INDEX NO:
 DWG NO:
 DC03