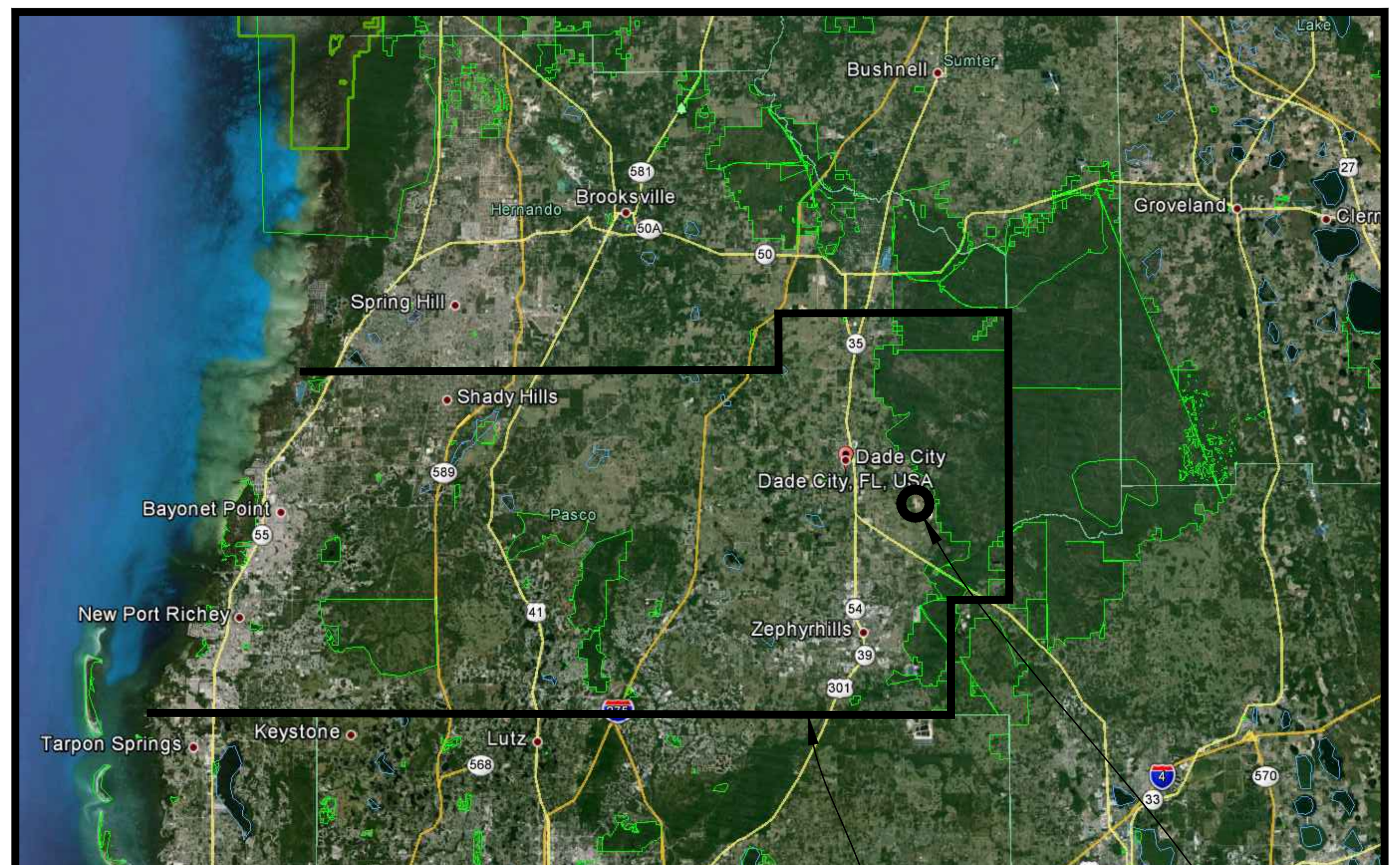
ENTERPRISE ROAD CLASS III LANDFILL
RECYCLING & DISPOSAL FACILITY
CELL 17 AND VERTICAL EXPANSION CONSTRUCTION PERMIT

LOCATED:
DADE CITY, PASCO COUNTY, FLORIDA

SUBMITTED TO:
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



PASCO COUNTY, FLORIDA

ENTERPRISE ROAD RECYCLING & DISPOSAL FACILITY
CLASS III LANDFILL

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COUNTY LOCATION MAP

Sheet Number	Sheet Title
C0.00	COVER SHEET
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C0.02	AERIAL SITE PLAN
C0.03	SITE PLAN
C0.04	CELL FLOOR GRADING PLAN
C1.00	PHASING PLAN SEQUENCE NO. 1
C1.01	PHASING PLAN SEQUENCE NO. 1 SECTIONS
C1.10	PHASING PLAN SEQUENCE NO. 2
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C2.00	PHASING PLAN SEQUENCE NO. 3 OVERALL LANDFILL VERTICAL EXPANSION
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C4.00	CLOSURE DETAILS
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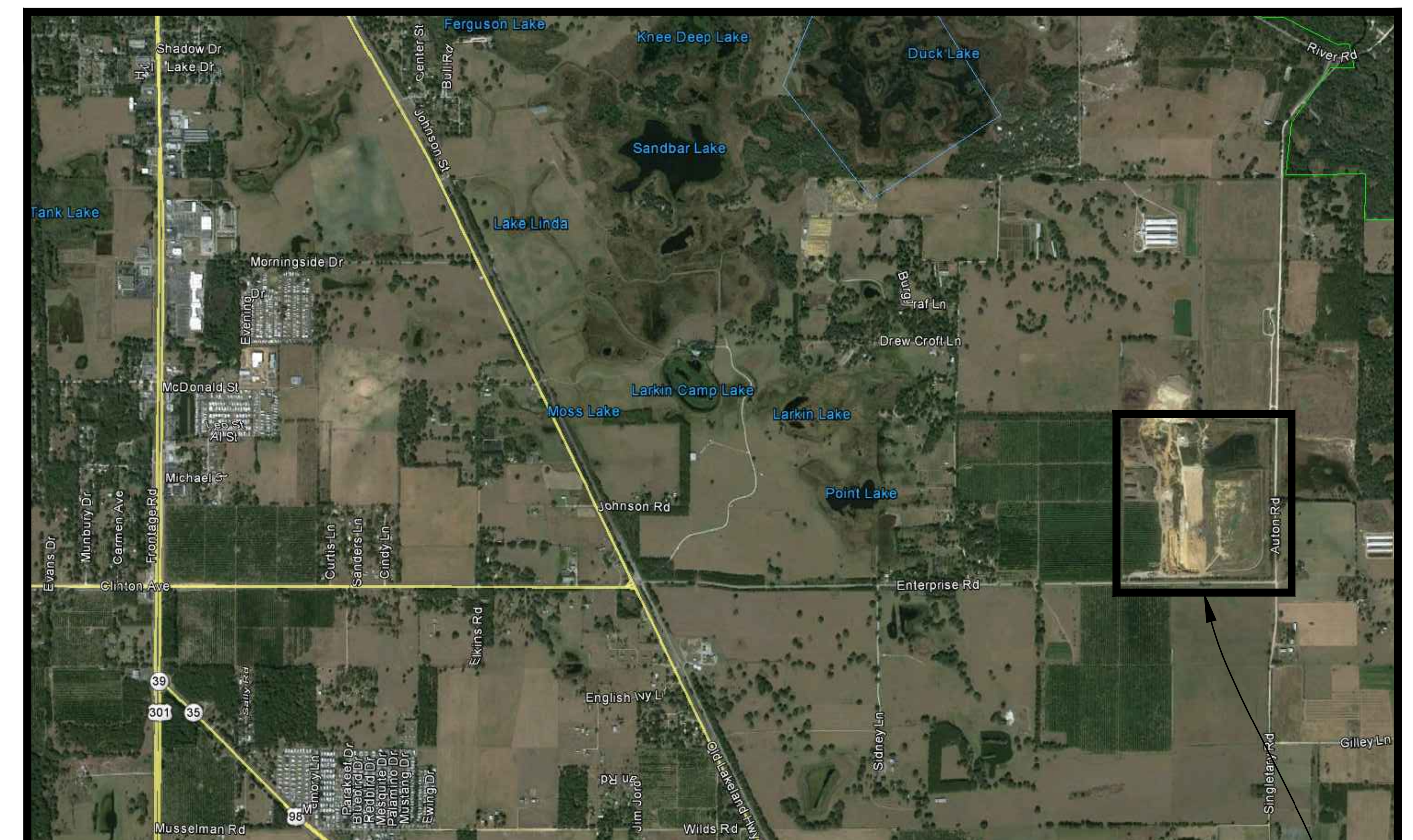

ENTERPRISE ROAD RECYCLING & DISPOSAL FACILITY
CLASS III LANDFILL

N

VICINITY MAP

NO.	DATE	REVISION DESCRIPTION	BY
1	4/1/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB
2	5/15/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB

Locklear & Associates
4140 NW 37th Place, Suite A
Gainesville, Florida 32606
Phone: 352.672.6867 Fax: 352.692.5390
Certificate of Authorization No. 30066

PROJECT TITLE:
PERMIT PLANS
ENTERPRISE ROAD CLASS III
RECYCLING & DISPOSAL FACILITY
CELL 17 AND VERTICAL EXPANSION CONSTRUCTION PERMIT
DADE CITY, PASCO COUNTY, FLORIDA

LISA J BAKER LICENSE No. 74652 STATE OF FLORIDA PROFESSIONAL ENGINEER

DESIGNED BY	LJB
DRAWN BY	MAF
CHECKED BY	JDL
APPROVED BY	LJB

SHEET TITLE:
COVER SHEET

PROJECT NO.: 02000-217-17
SCALE: AS SHOWN
DATE: JANUARY 2019
DRAWING: C0.00

REVIEW ONLY-NOT FOR CONSTRUCTION

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GENERAL NOTES

1. ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929, UNLESS OTHERWISE NOTED.
2. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE PERMITTING AGENCY IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED AT THE SITE.
3. CONTRACTOR SHALL CERTIFY IN WRITING TO THE ENGINEER OF RECORD THE ACCURACY OF ALL SURVEY AND OTHER GRADING DATA PRIOR TO BEGINNING WORK.
4. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. THERE MAY BE OTHER IMPROVEMENTS, UTILITIES, ETC. WHICH ARE WITHIN THE PROJECT AREA. THE 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 PLANS) AFFECTING THE WORK.
5. CONTRACTOR SHALL TAKE WHATEVER MEANS NECESSARY TO PROTECT EXISTING PIPING, MONITORING WELLS/PIEZOMETERS FROM DAMAGE DURING CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE PIPING, MONITORING WELLS/PIEZOMETERS DAMAGED DURING CONSTRUCTION WITH EQUIVALENT MATERIALS AND CONSTRUCTION METHODS AS APPROVED BY FACILITY OWNER AT NO ADDITIONAL COST TO THE OWNER.
6. FIELD CONDITIONS MAY NECESSITATE SLIGHT ALIGNMENT AND GRADE DEVIATION OF THE PROPOSED CONSTRUCTION TO AVOID OBSTACLES, AS ORDERED BY THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
7. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH EXISTING PASCO COUNTY DESIGN AND CONSTRUCTION STANDARDS UNLESS THOSE STANDARDS CONFLICT WITH THESE CONTRACT DOCUMENTS IN WHICH CASE THESE CONTRACT DOCUMENTS SHALL GOVERN. SUCH CONFLICTS SHALL BE BROUGHT TO THE PROFESSIONAL'S ATTENTION IMMEDIATELY.
8. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH PREVAILING FEDERAL, STATE, LOCAL AND OTHER APPLICABLE REGULATIONS.
9. CONSTRUCTION MONUMENTS FOR VERTICAL AND HORIZONTAL CONTROL HAVE BEEN PROVIDED AT THE PROJECT SITE.
10. PRIOR TO BEGINNING EARTHWORK, THE CONTRACTOR SHALL PROVIDE STORMWATER AND EROSION CONTROL PLANS TO PREVENT PONDING AND CONTROL EROSION AND RUNOFF. NO PONDING OF WATER SHALL BE ALLOWED. THE CONTRACTOR SHALL USE WHATEVER MEANS NECESSARY TO PREVENT EROSION AND SHALL BE RESPONSIBLE FOR ALL WORK, INCLUDING PROVIDING EQUIPMENT, LABOR, FILL, ETC NECESSARY TO REMEDIATE AND/OR RESTORE ALL AREAS IMPACTED BY EROSION.
11. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BECOME FAMILIAR WITH THE OSHA EXCAVATION SAFETY STANDARDS AND TO ABIDE BY THEM.
12. THE CONTRACTOR SHALL PROVIDE ALL WARNING SIGNALS, SIGNS, LIGHTS, AND FLAG PERSON AS REQUIRED BY DOT IN THE "MANUAL ON TRAFFIC CONTROL & SAFE PRACTICES."
13. ALL PIPING SHALL HAVE MINIMUM COVER OF 24" UNLESS OTHERWISE NOTED.
14. WHERE IT IS NECESSARY TO DEFLECT PIPE EITHER HORIZONTALLY OR VERTICALLY, PIPE DEFLECTION SHALL NOT EXCEED 75% OF THE MANUFACTURER'S RECOMMENDED DEFLECTION ANGLE. MINIMUM PIPE RADIUS SHALL BE A MINIMUM OF 25% GREATER THAN THE MANUFACTURER'S RECOMMENDED MINIMUM RADIUS.
15. CONTAMINATED STORMWATER, DEWATERING DISCHARGE, LEACHATE, CONTAMINATED SOILS, OR EXCAVATED WASTE SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE LANDFILL OPERATIONS.
16. CONTRACTOR SHALL VERIFY ALL CLEARANCES PRIOR TO CONSTRUCTION.
17. THE CONTRACTOR SHALL MAINTAIN A CLEAR PATH FOR ALL SURFACE WATER DRAINAGE STRUCTURES AND DITCHES DURING ALL PHASES OF CONSTRUCTION AND SHALL UTILIZE WHATEVER MEANS NECESSARY TO MANAGE STORMWATER SUCH THAT IMPACT TO CONSTRUCTION IS MINIMIZED. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF DAMAGE DUE TO STORMWATER.
18. NO DISTURBANCE SHALL BE ALLOWED OUTSIDE OF THE AREAS SHOWN ON THE FINAL GRADING PLAN UNLESS APPROVED BY THE ENGINEER, OR SPECIFICALLY NOTED ON THE PLANS.
22. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ENVIRONMENTAL PROTECTION DURING THE LIFE OF THE CONTRACT. THE CONTRACTOR'S OPERATIONS SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS PERTAINING TO WATER, AIR, SOLID WASTE, HAZARDOUS WASTE MATERIALS, OILY SUBSTANCES, AND NOISE POLLUTION. THE CONTRACTOR SHALL IMPLEMENT EROSION AND SEDIMENTATION CONTROL MEASURES AS NECESSARY TO COMPLY WITH THESE REGULATIONS FOR BOTH TEMPORARY AND PERMANENT CONSTRUCTION.
23. THE CONTRACTOR SHALL COMPLY WITH ALL TERMS, CONDITIONS, AND REQUIREMENTS OF ALL APPLICABLE PERMITS, INCLUDING FDEP PERMITS FOR THE SITE.
24. THE CONTRACTOR SHALL REPLACE ALL EXISTING PAVING, LANDFILL COVER MATERIAL, ACCESS ROADS, PIPES, STABILIZED EARTH, 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.
25. THE CONTRACTOR SHALL BE AWARE THAT THERE MAY BE SOME UTILITY CONFLICTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ANY AND ALL EXISTING UTILITIES ON THIS PROJECT WITHOUT INCREASE IN THE CONTRACT PRICE OR TIME.
26. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY WHEN CONFLICTS BETWEEN DRAWINGS AND ACTUAL CONDITIONS ARE DISCOVERED.
27. THE CONTRACTOR SHALL COMPLY WITH ALL TERMS, CONDITIONS, AND REQUIREMENTS OF ALL APPLICABLE PERMITS, INCLUDING FDEP AND WATER MANAGEMENT DISTRICT PERMITS FOR THE SITE.

GRADING NOTES

1. ALL AREAS WITHIN AND AROUND THE LIMITS OF CONSTRUCTION SHALL BE MAINTAINED AS NEEDED TO CONTROL EROSION DURING THE LENGTH OF THE PROJECT.
2. FILL ELEVATIONS SHALL BE SUCH THAT INTERMEDIATE AND FINAL COVER DESIGN ELEVATIONS SHALL BE ACHIEVED ON ALL SLOPES.

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CELL 17 AND VERTICAL EXPANSION CONSTRUCTION PERMIT
DADE CITY, PASCO COUNTY, FLORIDA

LISA J. BAKER LICENSE No. 74652 STATE OF FLORIDA PROFESSIONAL ENGINEER

DESIGNED BY	LJB
DRAWN BY	MAF
CHECKED BY	JDL
APPROVED BY	LJB

SHEET TITLE:
GENERAL NOTES AND ABBREVIATIONS

PROJECT NO.: 02000-217-17
SCALE: AS SHOWN
DATE: JANUARY 2019
DRAWING: C0.01

REVIEW ONLY-NOT FOR CONSTRUCTION

NORTH

0 150 300
GRAPHIC SCALE

LEGEND

—x—x—x—x—	PERIMETER FENCE
——— — — ———	PROPERTY BOUNDARY
—·—·—·—	LANDFILL FOOTPRINT (AT BUILD OUT)
— — — — —	LANDFILL CELLS

NOTES:

1. PROPERTY BOUNDARY SURVEY CONDUCTED BY SIMMONS & BEALL, INC. 3-30-2001, PROVIDED BY ANGELO'S AGGREGATE MATERIALS.
2. CLASS III LANDFILL PERMITTED AND FUTURE CELL LAYOUT PER NOVEMBER 2006 ANGELO'S RECYCLED MATERIALS ENTERPRISE RECYCLING & DISPOSAL FACILITY (AS AMENDED FEBRUARY 2008 AND JANUARY 2010 BY JONES EDMUNDS, AS AMENDED MARCH 2013 BY KELNER ENGINEERING AND 2015 AND 2016 BY LOCKLEAR & ASSOCIATES).
3. 2017 ORTHOIMAGERY (AERIAL) IS BEING PROVIDED BY THE FDOT WEBSITE AND IS THE MOST RECENT AERIAL VERSION AVAILABLE FOR DOWNLOAD IN A MR.SID FILE FORMAT (SID).

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LISA J BAKER
LICENSE
No. 74652
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DESIGNED BY	LJB
DRAWN BY	MAF
CHECKED BY	JDL
APPROVED BY	LJB

SHEET TITLE:
AERIAL SITE PLAN

PROJECT NO.: 02000-217-17
SCALE: AS SHOWN
DATE: JANUARY 2019
DRAWING: C0.02

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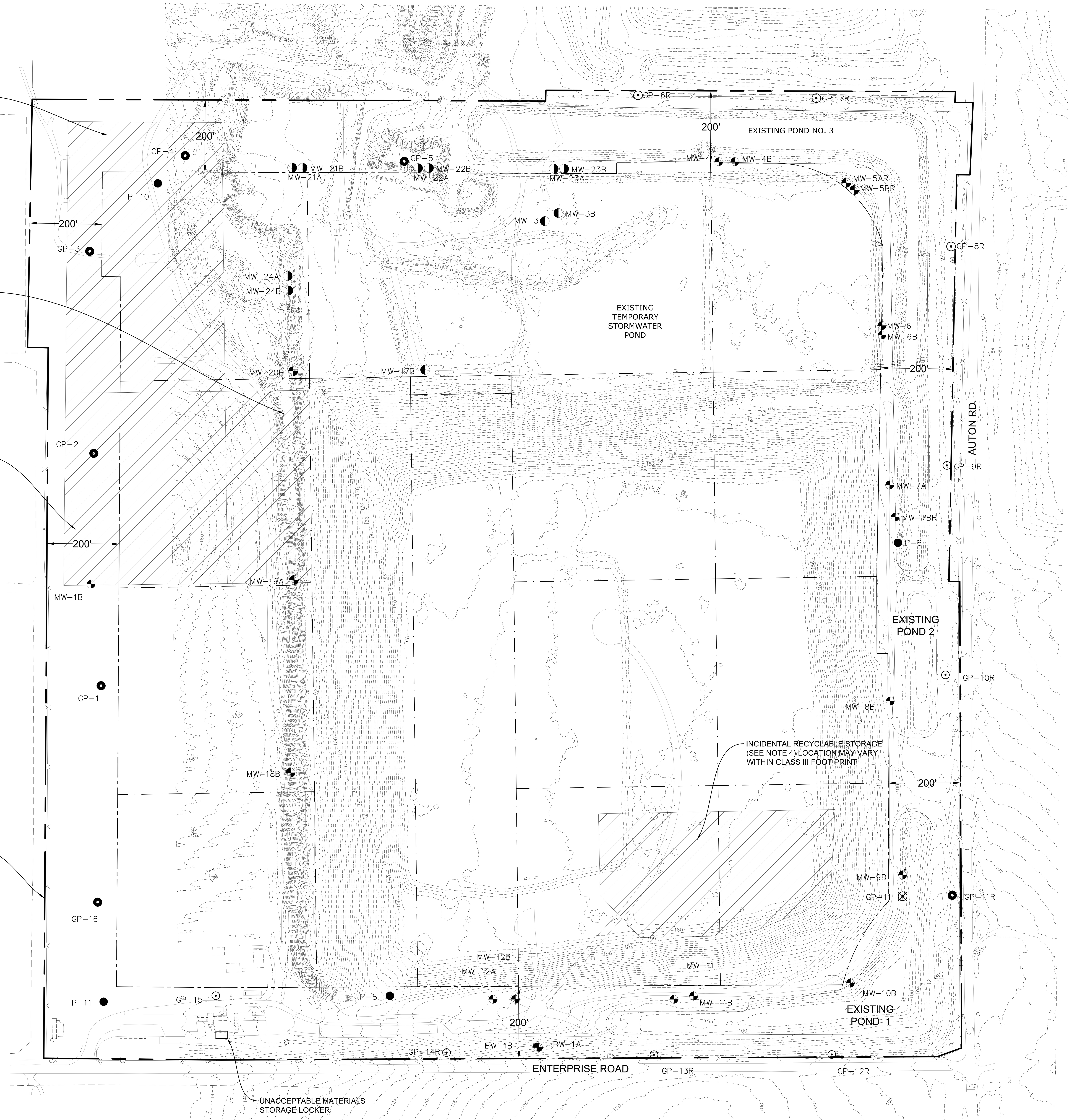

LEGEND

	PERIMETER FENCE
	PROPERTY BOUNDARY
	LANDFILL FOOTPRINT (AT BUILD OUT)
	LANDFILL CELLS
	EXISTING CONTOURS
	SPECIAL WASTE MANAGEMENT AREA

LEGEND

MW-3B	MONITORING WELL LOCATION
MW-22B	MONITORING WELL TO BE ABANDONED
MW-5BR	MONITORING WELL TO BE INSTALLED
GP-1	GAS PROBE LOCATION
GP-8	GAS PROBE TO BE ABANDONED
GP-8R	FUTURE GAS PROBE LOCATION
P-11	PIEZOMETER WELL LOCATION

NOTES:

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2. CLASS III LANDFILL PERMITTED AND FUTURE CELL LAYOUT PER NOVEMBER 2006 ANGELO'S RECYCLED MATERIALS ENTERPRISE RECYCLING & DISPOSAL FACILITY (AS AMENDED FEBRUARY 2008 AND JANUARY 2010 BY JONES EDMUNDS, AS AMENDED MARCH 2013 BY KELNER ENGINEERING, AND AS AMENDED 2015 AND 2016 BY LOCKLEAR & ASSOCIATES).
3. TOPOGRAPHIC SURVEY BY PICKETT SURVEYING & PHOTOGRAMMETRY, DATED 10/01/18.
4. TEMPORARY STORAGE OF UNACCEPTABLE MATERIALS AND INCIDENTAL RECYCLABLES WITHIN THE LANDFILL FOOTPRINT AND NEAR WORKING FACE MAY BE PROVIDED AS FOLLOWS:

TYPE	MAX. QTY	STORAGE
INCIDENTAL RECYCLABLES		
FERROUS METAL	500 CY	ROLL-OFF OR PILE
ALUMINUM	300 CY	ROLL-OFF OR PILE
STAINLESS STEEL	300 CY	ROLL-OFF OR PILE
COPPER	25 CY	TRASH PAIL, ROLL-OFF OR PILE
ASPHALT	300 CY	ROLL-OFF OR PILE
CONCRETE / RUBBLE	300 CY	ROLL-OFF OR PILE
ELECTRONICS	8 CY	COVERED DUMPSTER
UNACCEPTABLE MATERIALS		
PAINT, BATTERIES, SOLVENTS, ELECTRONICS, OILS, ETC.	40 CY	ROLL-OFF OR PILE AT WORKING FACE, REMOVED DAILY TO STORAGE LOCKER
CLASS I WASTE	20 CY	COVERED DUMPSTERS

5. CONCRETE PROCESSING AREA WILL BE RELOCATED WHEN EXCAVATION OPERATIONS MOVE TO THIS AREA.

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DADE CITY, PASCO COUNTY, FLORIDA

LISA J. BAKER LICENSE No. 74652 STATE OF FLORIDA PROFESSIONAL ENGINEER

DESIGNED BY	LJB
DRAWN BY	MAF
CHECKED BY	JDL
APPROVED BY	LJB

SHEET TITLE:
SITE PLAN

PROJECT NO.:	02000-217-17
SCALE:	AS SHOWN
DATE:	JANUARY 2019
DRAWING:	C0.03

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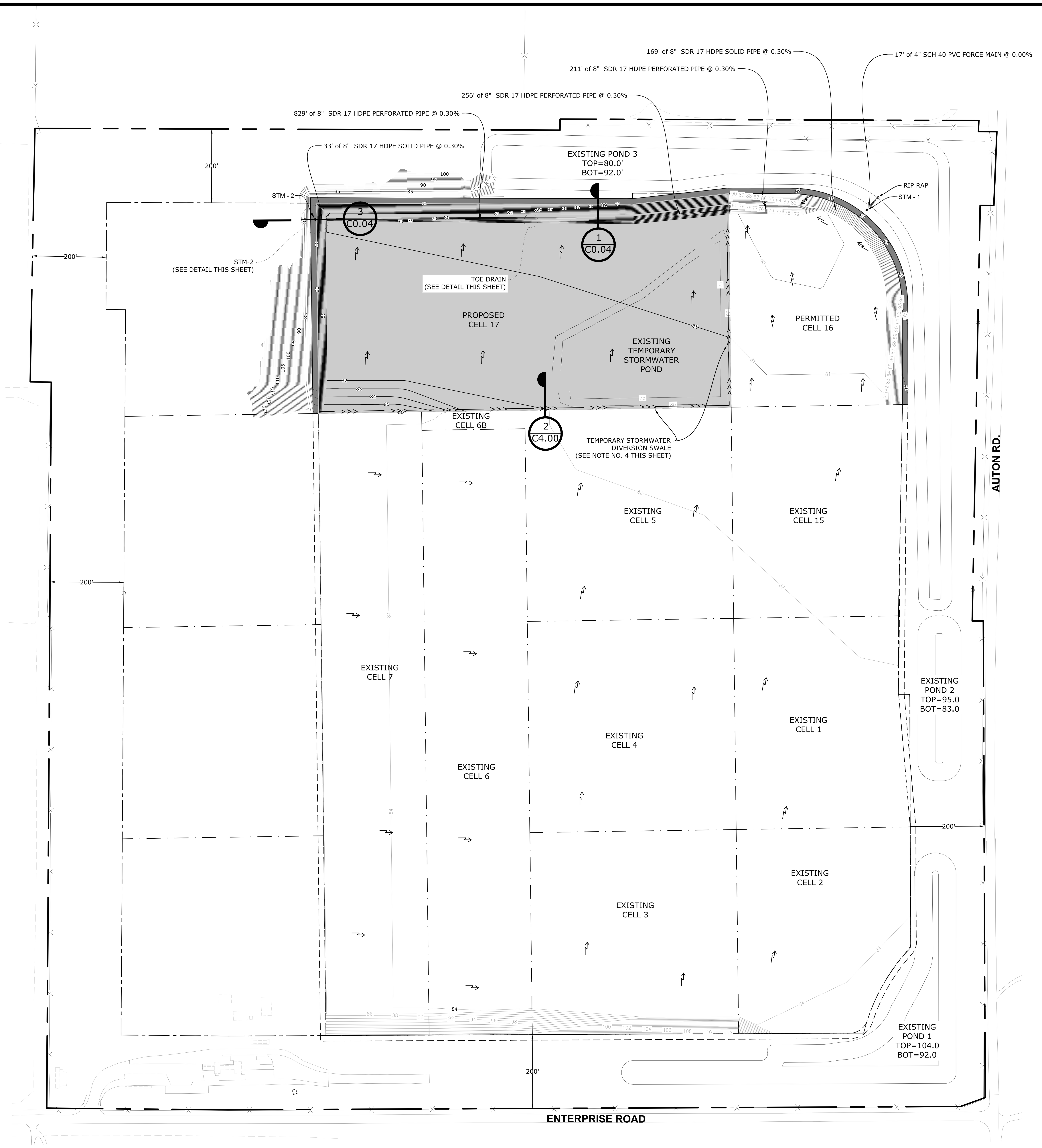
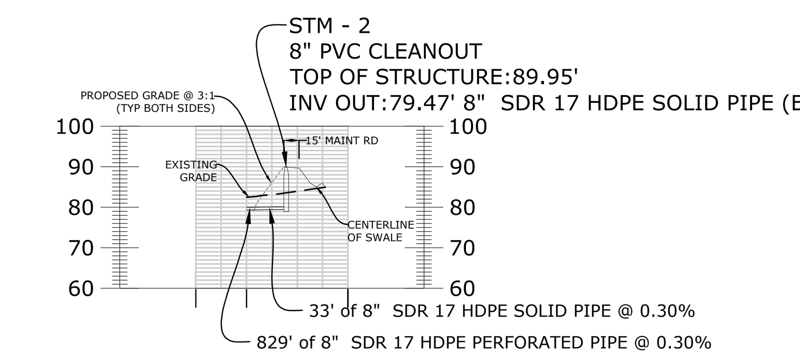
STORM SEWER STRUCTURE TABLE			
STRUCTURE NAME:	DETAILS:	NORTHING	EASTING
STORM SEWER STM - 1	LEACHATE COLLECTION WETWELL (SEE DETAIL ON C4.10) FINISH GRADE RIM EL = 91.92' INV IN = 74.98' 8" SDR 17 HDPE SOLID PIPE SUMP EL = 72.00' INV OUT = 88.50' 4" SCH 40 PVC FORCE MAIN	1,454,654.80	613,925.38
STORM SEWER STM - 2	8" PVC CLEANOUT FINISH GRADE RIM EL = 89.95' INV OUT = 79.47' 8" SDR 17 HDPE SOLID PIPE	1,454,629.15	612,432.13



LEGEND

- PERIMETER FENCE
- PROPERTY BOUNDARY
- LANDFILL FOOTPRINT (AT BUILD OUT)
- LANDFILL CELLS
- 90 EXISTING CLAY LAYER CONTOURS
- 90 PROPOSED CLAY LAYER CONTOURS
- DIRECTIONAL FLOW ARROW
- FLOOR GRADING CLAY AREA (SHADED)

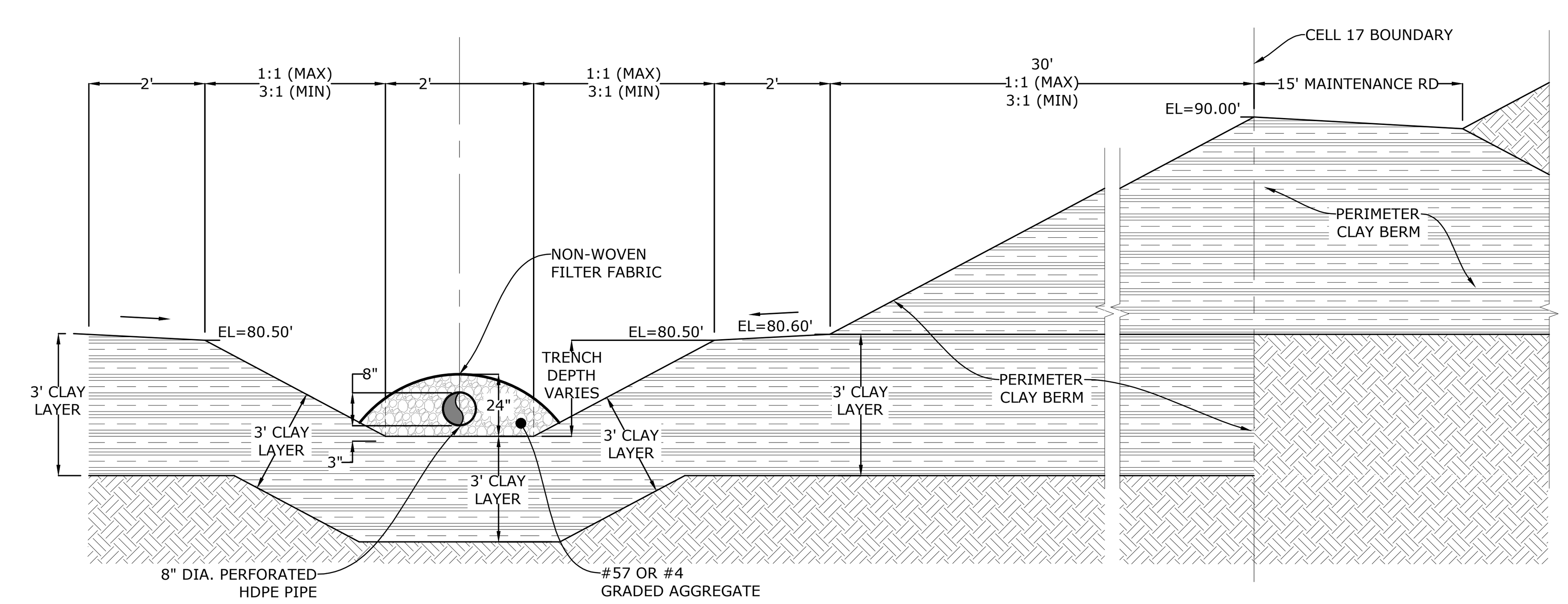


DETAIL STM-2 3 C0.04

N.T.S.

NOTES:

1. PROPOSED CONTOURS REPRESENT THE TOP OF CLAY (3' BARRIER LAYER) ELEVATION.
2. TOPOGRAPHIC SURVEY BY PICKETT SURVEYING & PHOTOGRAMMETRY, DATED 10/01/2018.
3. CONSTRUCTION AND FILLING OF CELL 16 AND POND NO. 3 (PREVIOUSLY PERMITTED, CONSTRUCTION IN PROGRESS.
4. TEMPORARY STORMWATER DIVERSION SWALE. CONTRACTOR SHALL GRADE TEMPORARY SWALE FOR POSITIVE DRAINAGE TOWARD EXISTING TEMPORARY STORMWATER POND. TEMPORARY SWALE SHALL BE REMOVED AND FILLED WITH CLAY ONCE INITIAL WASTE LIFT REACHES THE SWALE FROM THE NORTH.
5. CONSTRUCTION AND FILLING OF CELL 17.
6. TEMPORARY STORMWATER DIVERSION SWALE. CONTRACTOR SHALL GRADE TEMPORARY SWALE FOR POSITIVE DRAINAGE ALONG THE SOUTHERN CELL BOUNDARY OF CELL 17 AND RUN NORTH ALONG THE WESTERN BOUNDARY OF CELL 16. TEMPORARY SWALE SHALL BE REMOVED AND FILLED WITH CLAY ONCE INITIAL WASTE LIFT REACHES THE SWALE FROM THE NORTH.



TOE DRAIN 1 C0.04

N.T.S.

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CELL 17 AND VERTICAL EXPANSION CONSTRUCTION PERMIT
DADE CITY, PASCO COUNTY, FLORIDA

LISA J. BAKER LICENSE No. 74652 STATE OF FLORIDA PROFESSIONAL ENGINEER

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APPROVED BY	LJB

SHEET TITLE:
CELL FLOOR GRADING PLAN

PROJECT NO.: 02000-217-17
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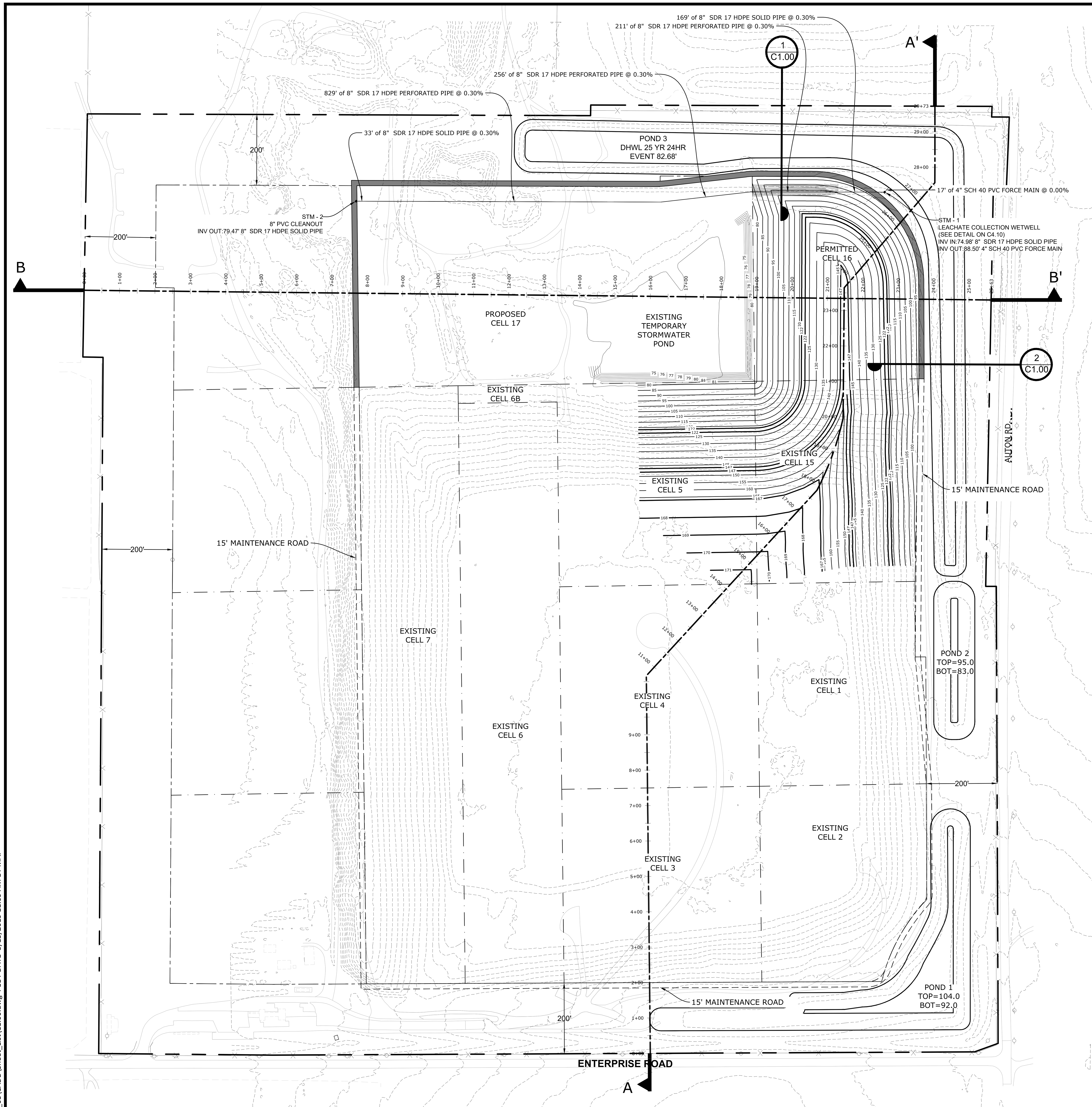
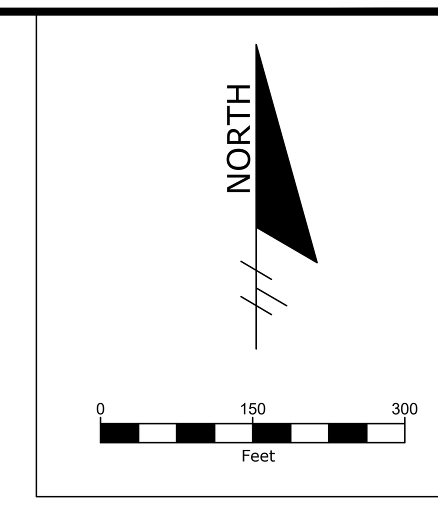


STORM SEWER STRUCTURE TABLE

STRUCTURE NAME:	DETAILS:	NORTHING	EASTING
STORM SEWER STM - 1	LEACHATE COLLECTION WETWELL (SEE DETAIL ON C4.10) FINISH GRADE RIM EL = 91.92' INV IN = 74.98' 8" SDR 17 HDPE SOLID PIPE SUMP EL = 72.00' INV OUT = 88.50' 4" SCH 40 PVC FORCE MAIN	1,454,654.80	613,925.38
STORM SEWER STM - 2	8" PVC CLEANOUT FINISH GRADE RIM EL = 89.95' INV OUT = 79.47' 8" SDR 17 HDPE SOLID PIPE	1,454,629.15	612,432.13

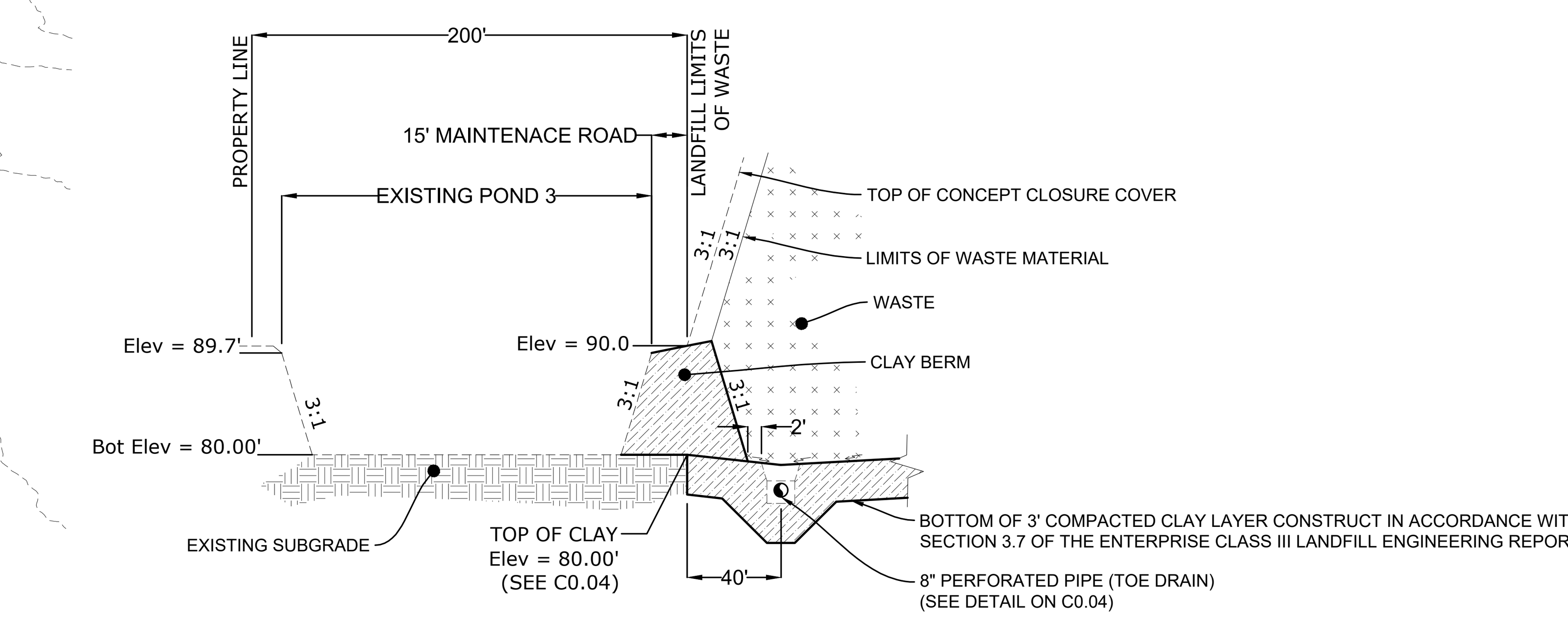


LEGEND

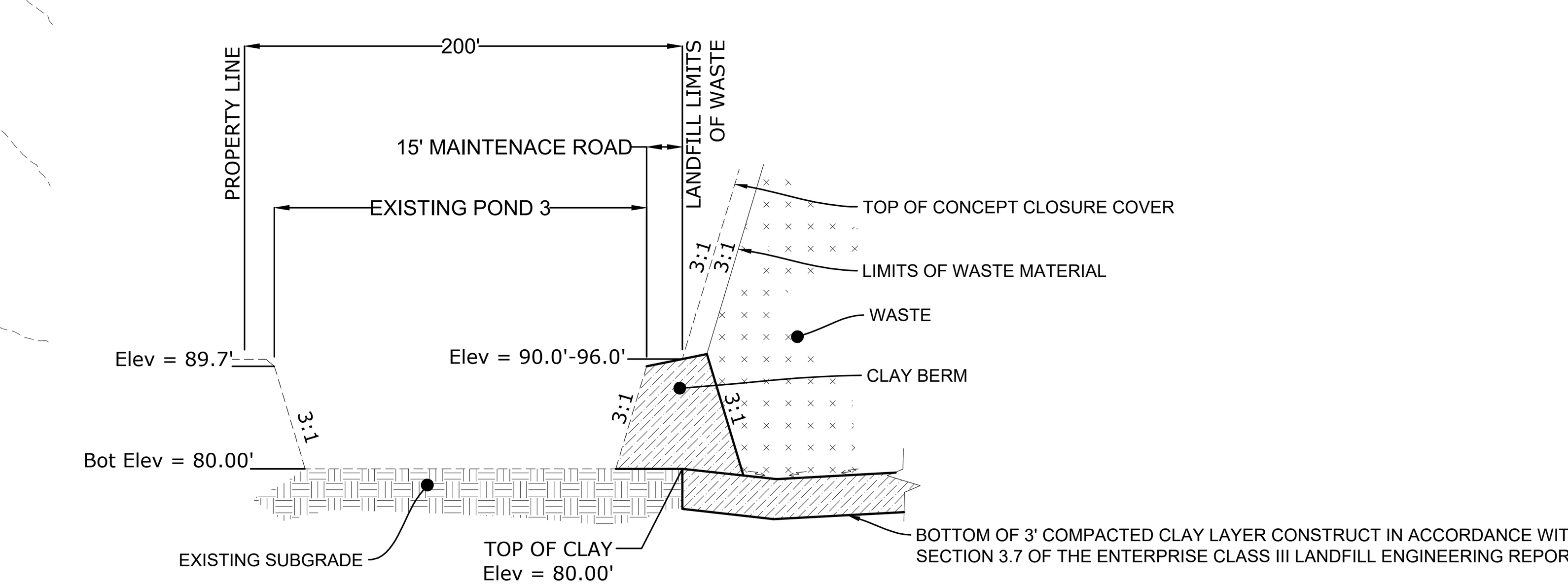
- PERIMETER FENCE
- PROPERTY BOUNDARY
- LANDFILL FOOTPRINT (AT BUILD OUT)
- LANDFILL CELLS
- 90 EXISTING CONTOURS
- 10+00 CROSS SECTION STATIONS

NOTES:

1. CONTOURS REPRESENT TOP OF WASTE. FILL ELEVATIONS SHALL BE SUCH THAT FINAL COVER DESIGN ELEVATIONS SHALL BE ACHIEVED ON ALL SLOPES.
2. TOPOGRAPHIC SURVEY BY PICKETT SURVEYING & PHOTOGRAMMETRY, DATED 10/01/18.



1 / C1.00 **EXISTING NORTH BERM DETAIL CELL 16**
SCALE: N.T.S.



2 / C1.00 **EXISTING EAST BERM DETAIL CELL 16**
SCALE: N.T.S.

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SHEET TITLE:
PHASING PLAN SEQUENCE NO. 1

PROJECT NO.: 02000-217-17
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DRAWING: C1.00

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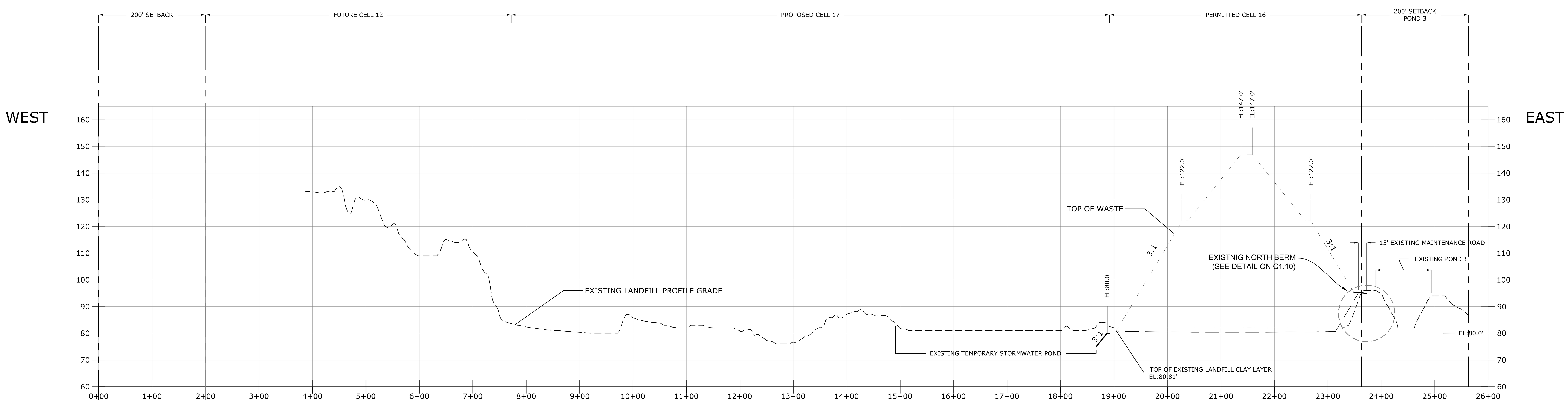
SCALES:
HORIZONTAL 1"=100'
VERTICAL 1"= 20'

SECTION A-A'
HORIZ: 1"=150'
VERT: 1"=5'



SECTION B-B'
HORIZ: 1"=150'
VERT: 1"=5'

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SHEET TITLE:
PHASING PLAN SEQUENCE NO. 1 SECTIONS

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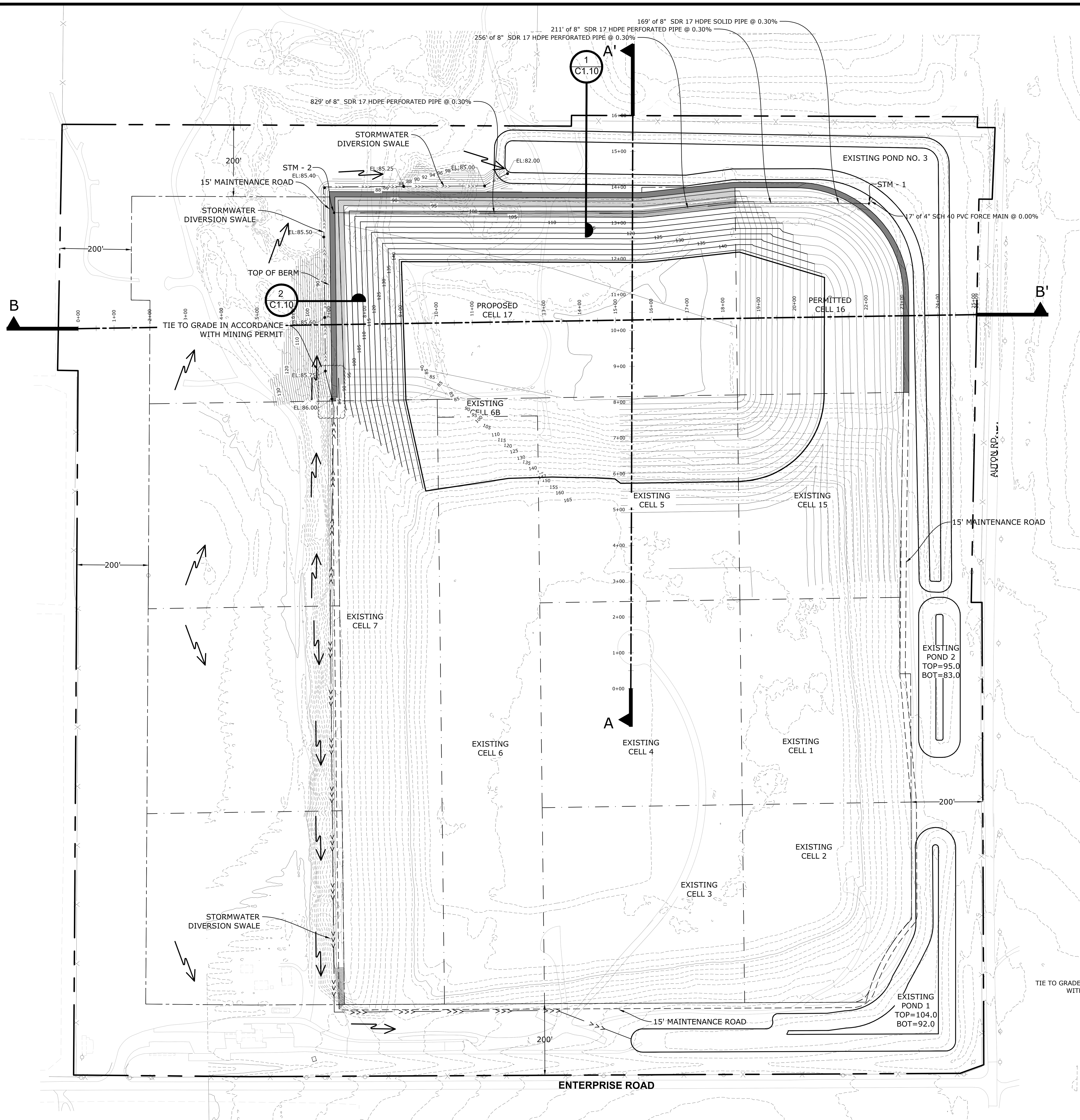
DATE: JANUARY 2019
DRAWING: C1.01

REVIEW ONLY-NOT FOR CONSTRUCTION



LEGEND

— x — x — x —	PERIMETER FENCE
	PROPERTY BOUNDARY
	LANDFILL FOOTPRINT (AT BUILD OUT)
	LANDFILL CELLS
90	EXISTING CONTOURS
>>> >>> >>>	TEMPORARY STORMWATER DIVERSION SWALE
	DIRECTIONAL FLOW ARROW
10+00	CROSS SECTION STATIONS

NORTH

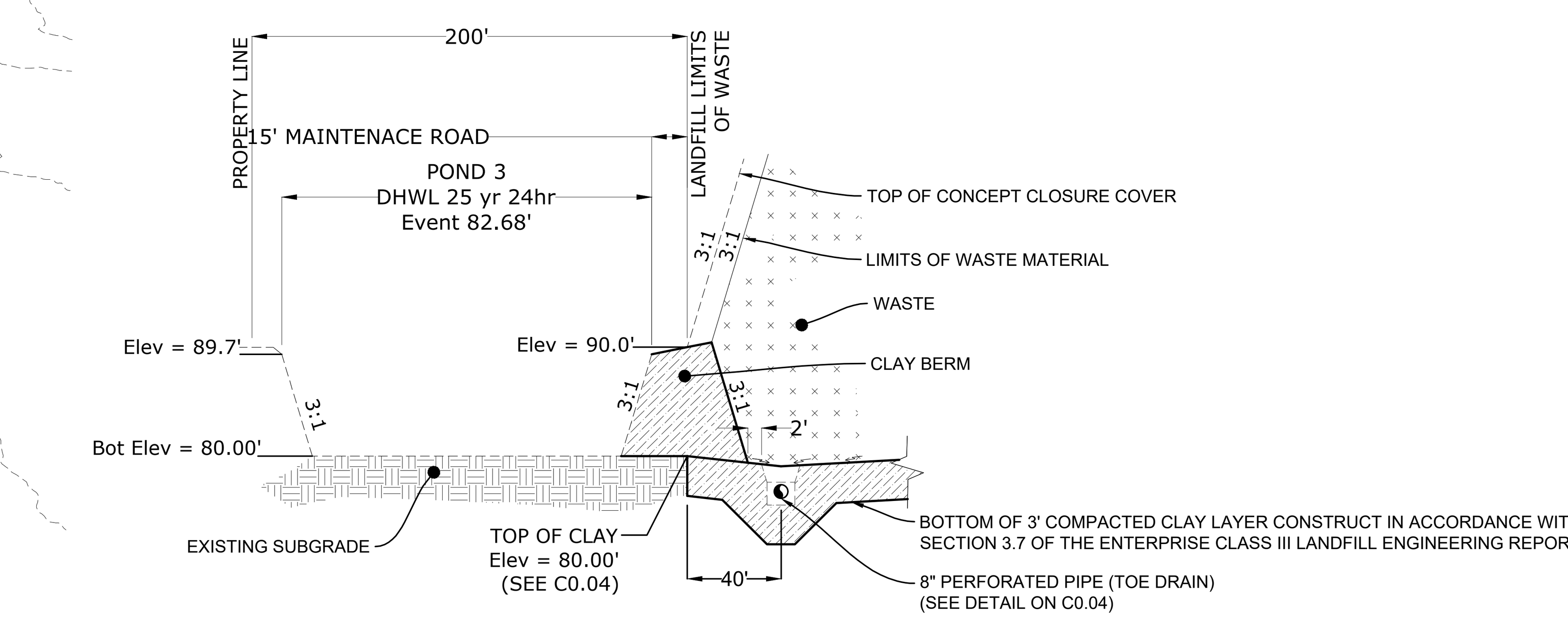
0 150 300
Feet

STORM SEWER STRUCTURE TABLE

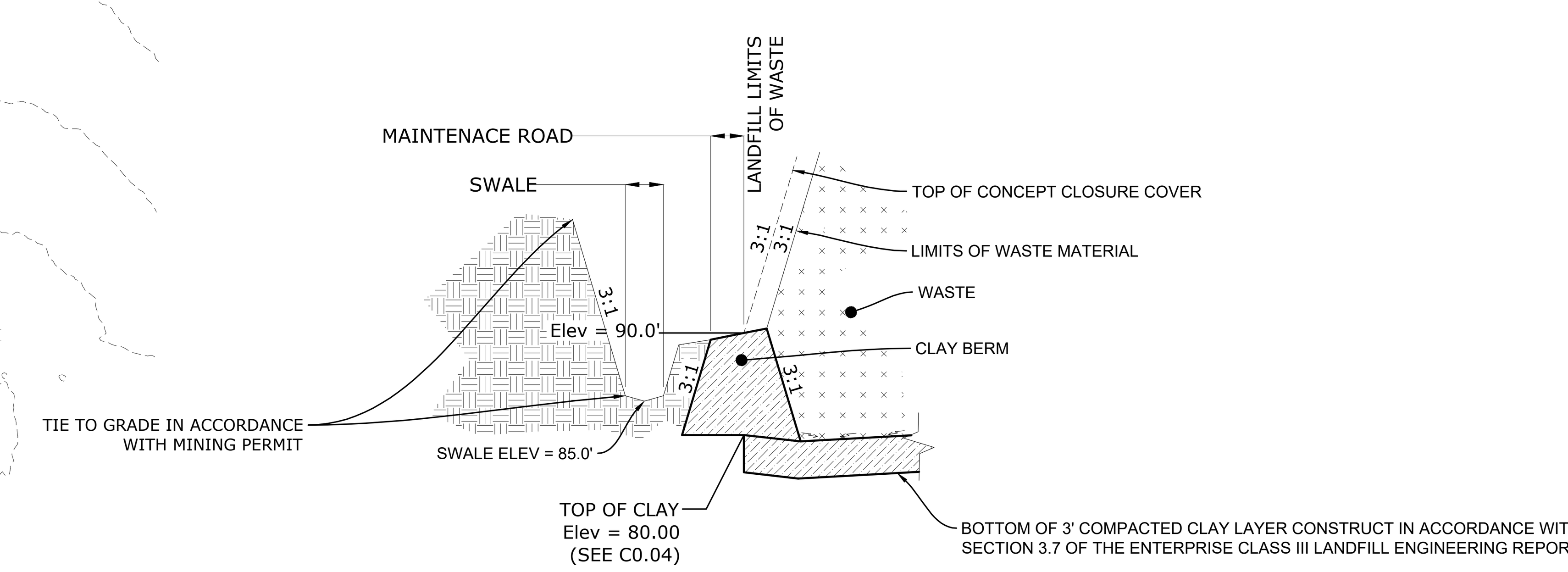
STRUCTURE NAME:	DETAILS:	NORTHING	EASTING
STORM SEWER STM - 1	LEACHATE COLLECTION WETWELL (SEE DETAIL ON C4.10) FINISH GRADE RIM EL = 91.92' INV IN = 74.98' 8" SDR 17 HDPE SOLID PIPE SUMP EL = 72.00' INV OUT = 88.50' 4" SCH 40 PVC FORCE MAIN	1,454,654.80	613,925.38
STORM SEWER STM - 2	8" PVC CLEANOUT FINISH GRADE RIM EL = 89.95' INV OUT = 79.47' 8" SDR 17 HDPE SOLID PIPE	1,454,629.15	612,432.13

NOTES:

1. CONTOURS REPRESENT TOP OF WASTE. FILL ELEVATIONS SHALL BE SUCH THAT FINAL COVER DESIGN ELEVATIONS SHALL BE ACHIEVED ON ALL SLOPES.
2. TOPOGRAPHIC SURVEY BY PICKETT SURVEYING & PHOTOGRAMMETRY, DATED 10/01/18.
3. PRIOR TO WASTE BEING DISPOSED IN CELL 16, BACKFILL THE CELL 17 TEMPORARY DIVERSION SWALE WITH COMPACTED CLAY TO DRAIN TO NORTH.
4. CELL 17 CLAY LAYER TO BE CONSTRUCTED IN ACCORDANCE WITH SECTION 3.7 OF ENTERPRISE CLASS III LANDFILL ENGINEERING REPORT.



1 C1.10 PROPOSED NORTH BERM DETAIL CELL 17
SCALE: N.T.S.



2 C1.10 PROPOSED WEST BERM DETAIL CELL 17
SCALE: N.T.S.

NO.	DATE	REVISION DESCRIPTION	BY
1	4/1/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB
2	5/15/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB

Locklear & Associates
4140 NW 37th Place, Suite A
Gainesville, Florida 32606
Phone: 352.672.6867 Fax: 352.692.5390
Certificate of Authorization No. 30066

PROJECT TITLE:
PERMIT PLANS
ENTERPRISE ROAD CLASS III
RECYCLING & DISPOSAL FACILITY
CELL 17 AND VERTICAL EXPANSION CONSTRUCTION PERMIT
DADE CITY, PASCO COUNTY, FLORIDA

LISA J. BAKER LICENSE No. 74652 STATE OF FLORIDA PROFESSIONAL ENGINEER

DESIGNED BY	LJB
DRAWN BY	MAF
CHECKED BY	JDL
APPROVED BY	LJB

SHEET TITLE:
PHASING PLAN SEQUENCE NO. 2

PROJECT NO.: 02000-217-17
SCALE: AS SHOWN
DATE: JANUARY 2019
DRAWING: C1.10

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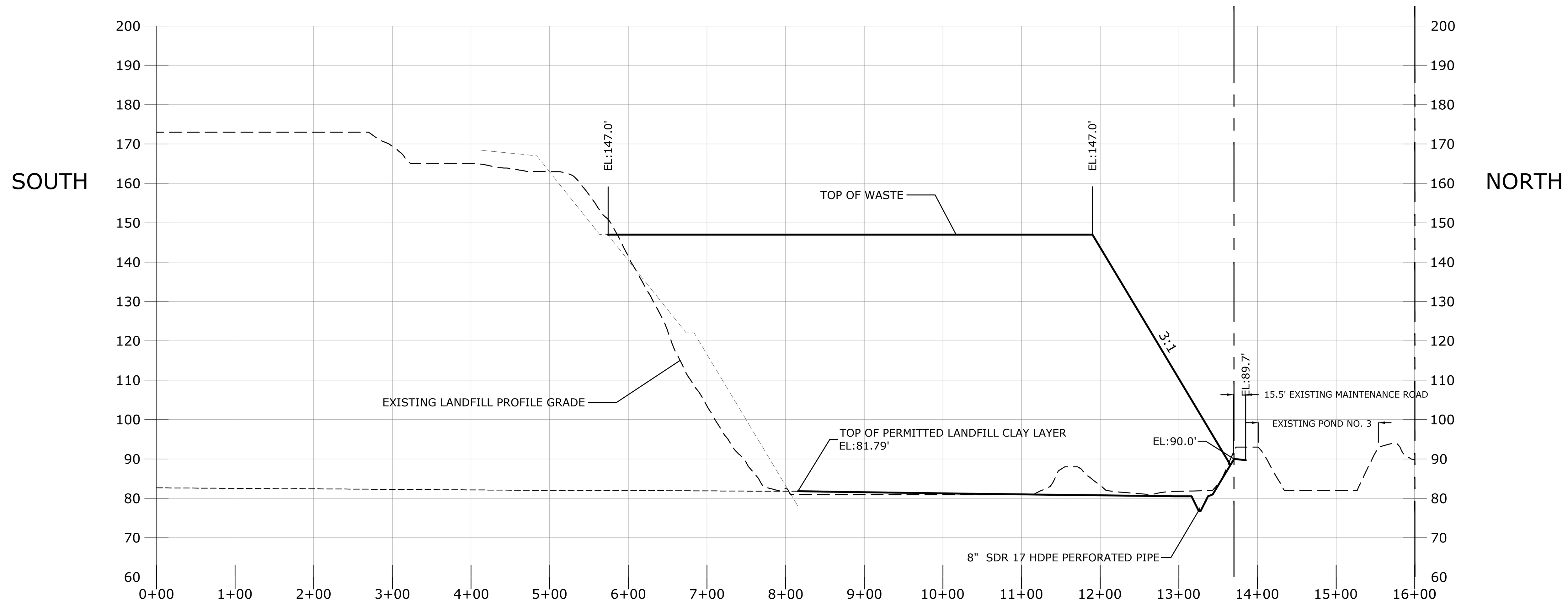
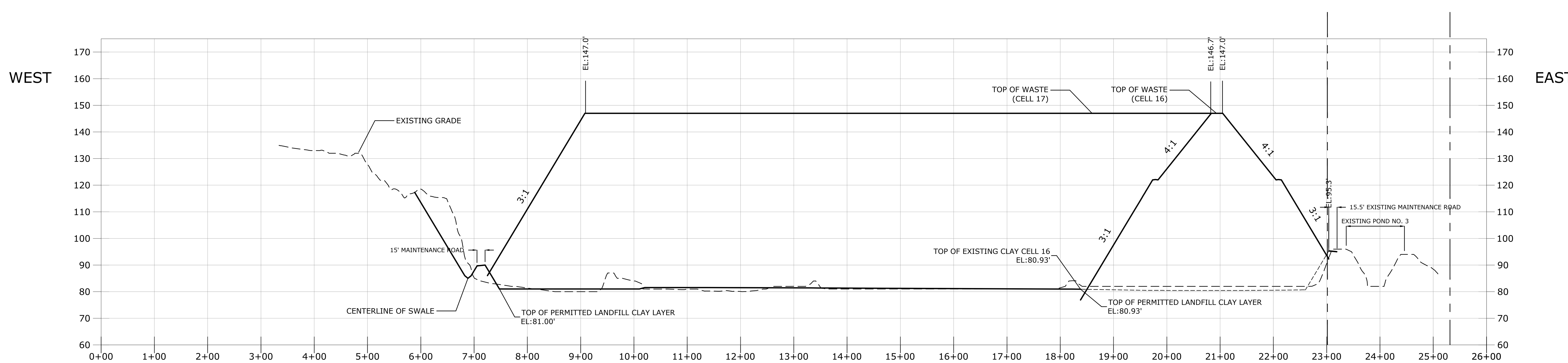
REVIEW ONLY-NOT FOR CONSTRUCTION

SCALES:
HORIZONTAL 1"=100'
VERTICAL 1"= 20'



SECTION A-A'
HORIZ: 1"=150'
VERT: 1"=5'



SECTION B-B'
HORIZ: 1"=150'
VERT: 1"=5'

NO.	DATE	REVISION DESCRIPTION	BY
1	4/1/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB
2	5/15/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB

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DADE CITY, PASCO COUNTY, FLORIDA

LISA J. BAKER LICENSE No. 74652 STATE OF FLORIDA PROFESSIONAL ENGINEER

DESIGNED BY	LJB
DRAWN BY	MAF
CHECKED BY	JDL
APPROVED BY	LJB

SHEET TITLE:
PHASING PLAN SEQUENCE NO. 2 SECTIONS

PROJECT NO.: 02000-217-17
SCALE: AS SHOWN
DATE: JANUARY 2019
DRAWING: C1.11

REVIEW ONLY-NOT FOR CONSTRUCTION

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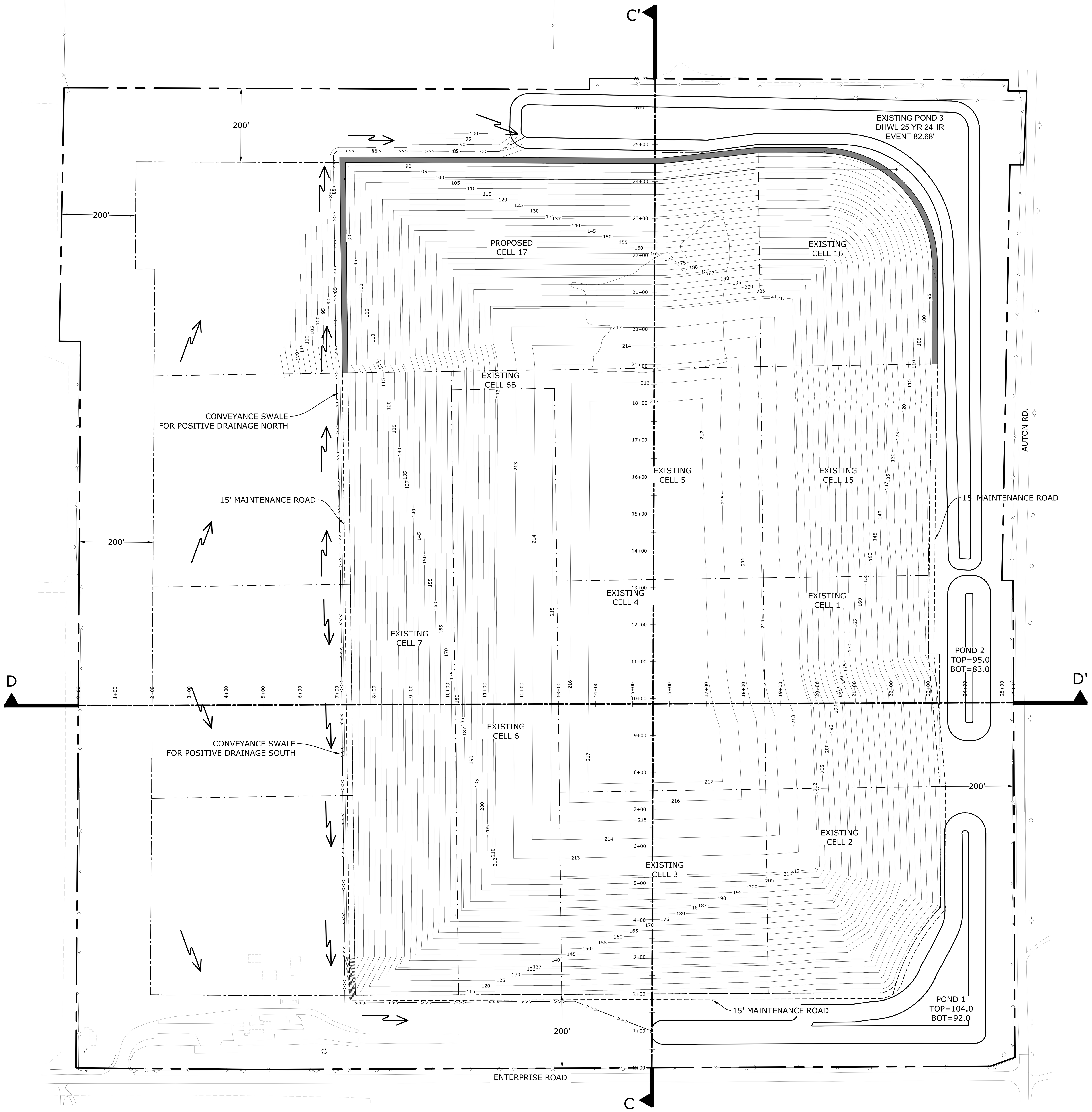
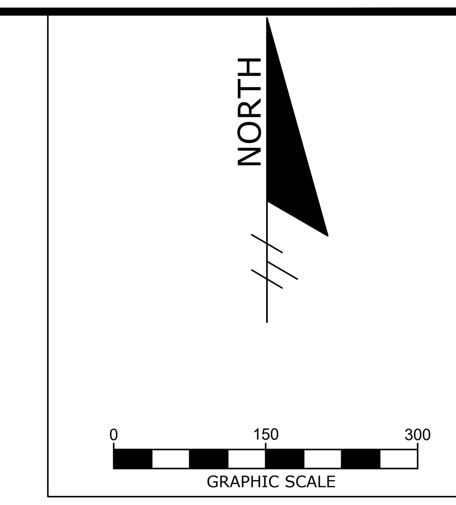


LEGEND

—x—x—	PERIMETER FENCE
— — —	PROPERTY BOUNDARY
—·—·—	LANDFILL FOOTPRINT (AT BUILD OUT)
-·-·-	LANDFILL CELLS
----90----	EXISTING CONTOURS
—>>>—	CONVEYANCE SWALE
→	DIRECTIONAL FLOW ARROW
10+00	CROSS SECTION STATIONS



NOTES:

1. CONTOURS REPRESENT TOP OF WASTE. FILL ELEVATIONS SHALL BE SUCH THAT FINAL COVER DESIGN ELEVATIONS SHALL BE ACHIEVED ON ALL SLOPES
2. PRIOR TO WASTE BEING DISPOSED IN PROPOSED CELLS, BACKFILL TEMPORARY DIVERSION SWALE WITH COMPACTED CLAY.
3. LANDFILL FINAL COVER PER DETAIL 3, SHEET C4.00.
4. TOPOGRAPHIC SURVEY BY PICKETT SURVEYING & PHOTOGRAMMETRY, DATED 10/01/18.
5. FINAL COVER CONSTRUCTION TO BE IN ACCORDANCE WITH SECTION 7.1 OF THE ENTERPRISE RECYCLING & DISPOSAL FACILITY RECLAMATION & CLOSURE PLAN.
6. THE FACILITY'S OVERALL STORMWATER MANAGEMENT SYSTEM IS GOVERNED BY THE MINING OPERATIONS AND ERP PERMITS. GRADES AND ELEVATION VARY BASED ONGOING MINING OPERATIONS AND TOPOGRAPHY. A DETAILED DESIGN THAT WILL TIE THE CONCEPTUAL CLOSURE PLAN INTO THE FACILITY'S STORMWATER MANAGEMENT SYSTEM WILL BE SUBMITTED AT THE TIME OF CLOSURE.

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NO.	DATE	REVISION DESCRIPTION	BY
1	4/1/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB
2	5/15/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB

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RECYCLING & DISPOSAL FACILITY
CELL 17 AND VERTICAL EXPANSION CONSTRUCTION PERMIT
DADE CITY, PASCO COUNTY, FLORIDA

LISA J BAKER LICENSE No. 74652 STATE OF FLORIDA PROFESSIONAL ENGINEER

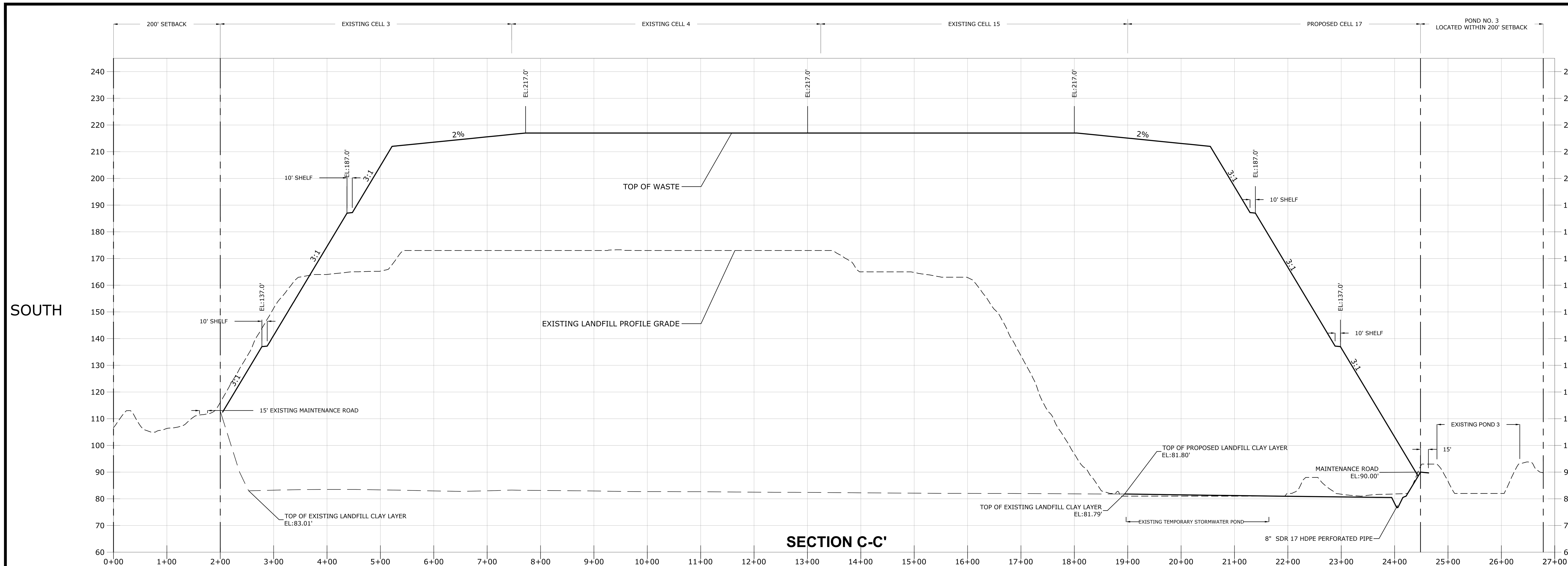
DESIGNED BY	LJB
DRAWN BY	MAF
CHECKED BY	JDL
APPROVED BY	LJB

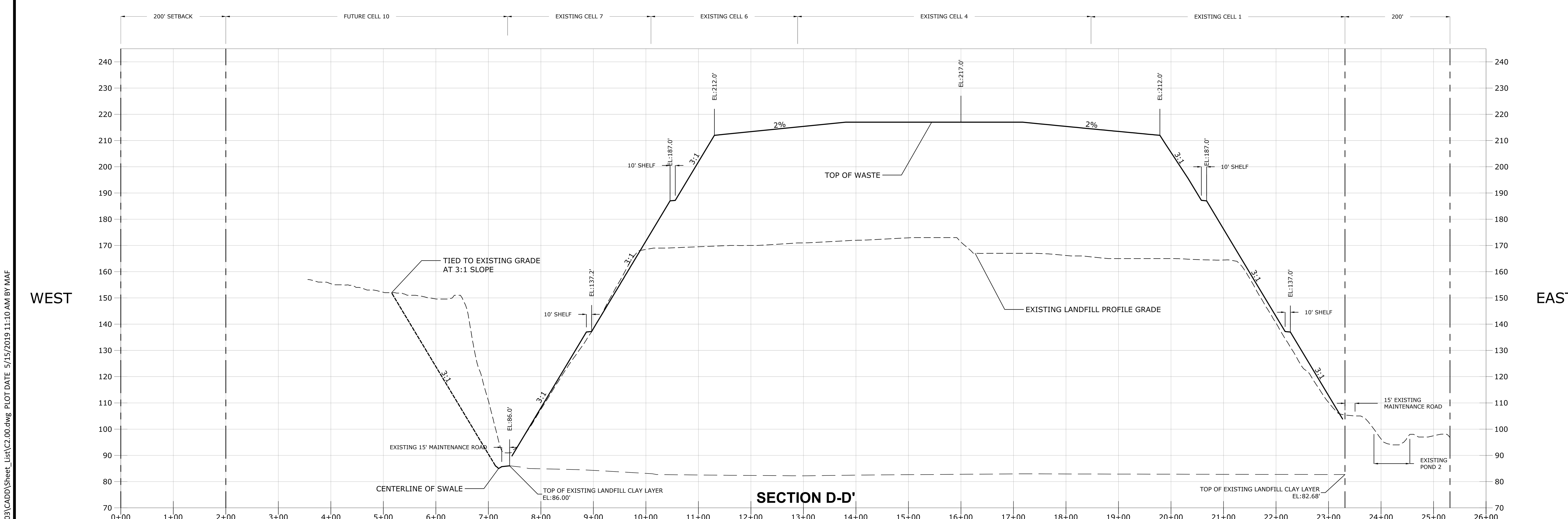
SHEET TITLE:
PHASING PLAN SEQUENCE NO. 3 OVERALL LANDFILL VERTICAL EXPANSION

PROJECT NO.: 02000-217-17
SCALE: AS SHOWN
DATE: JANUARY 2019
DRAWING: C2.00

REVIEW ONLY-NOT FOR CONSTRUCTION

SCALES:
HORIZONTAL 1"=100'
VERTICAL 1"= 20'





NO.	DATE	REVISION DESCRIPTION	BY
1	4/1/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB
2	5/15/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB

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DADE CITY, PASCO COUNTY, FLORIDA

LISA J. BAKER LICENSE No. 74652 STATE OF FLORIDA PROFESSIONAL ENGINEER

DESIGNED BY	LJB
DRAWN BY	MAF
CHECKED BY	JDL
APPROVED BY	LJB

SHEET TITLE:
PHASING PLAN SEQ NO 3 OVERALL LANDFILL VERT EXPANSION SECT

PROJECT NO.: 02000-217-17
SCALE: AS SHOWN
DATE: JANUARY 2019
DRAWING: C2.10

REVIEW ONLY-NOT FOR CONSTRUCTION

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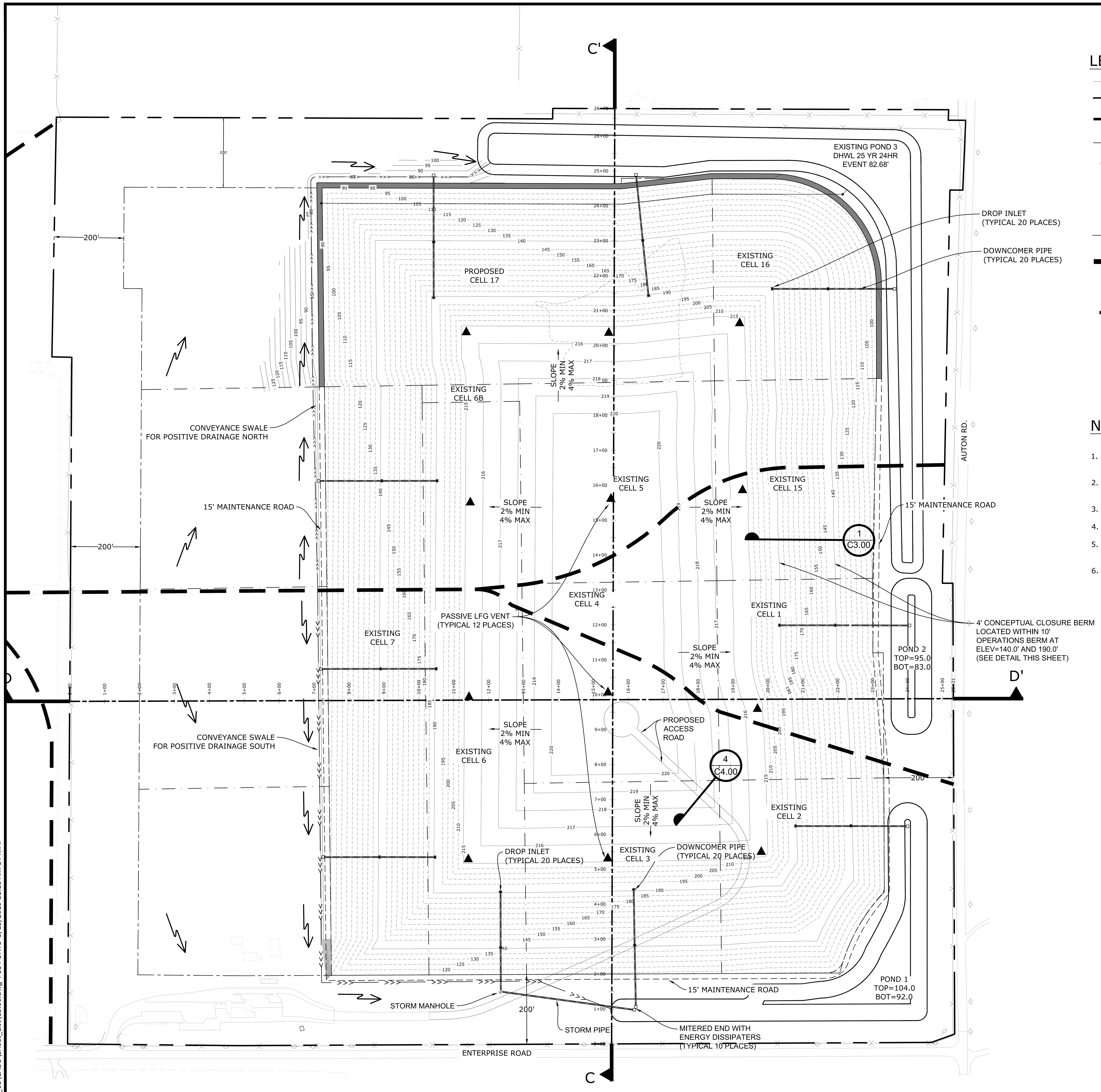
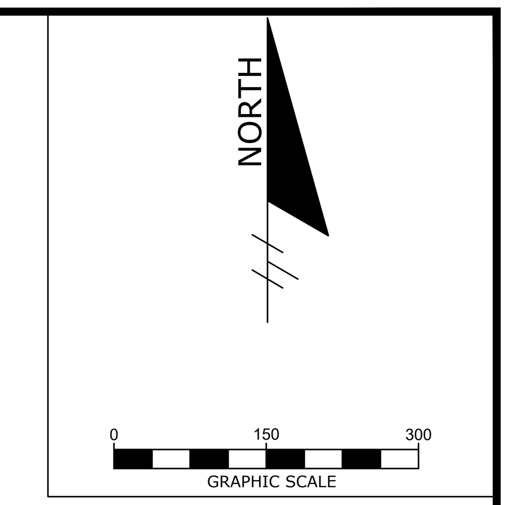


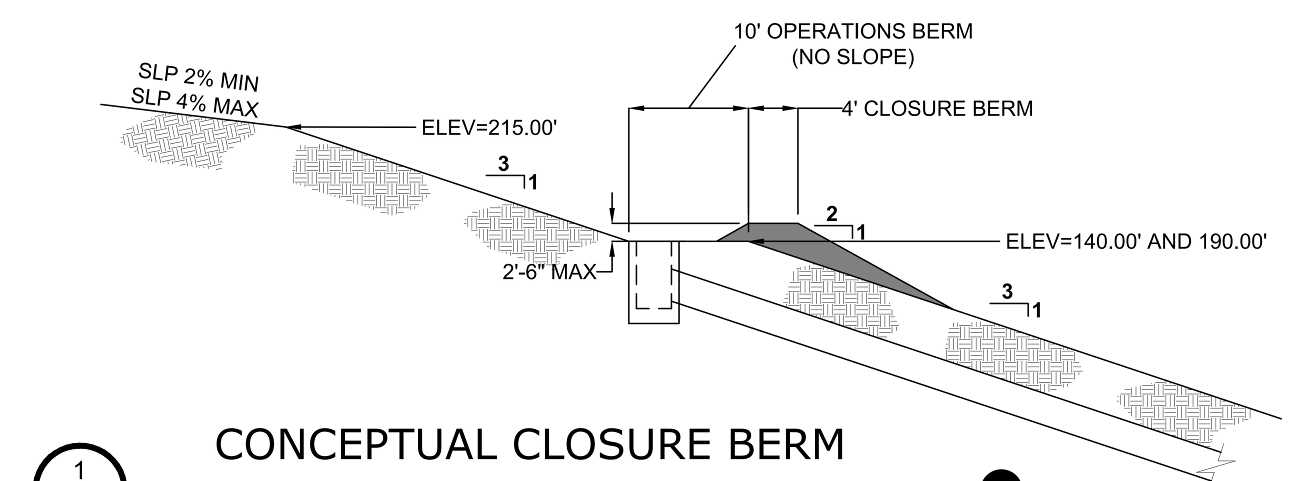
LEGEND

- PERIMETER FENCE
- PROPERTY BOUNDARY
- LANDFILL FOOTPRINT (AT BUILD OUT)
- LANDFILL CELLS
- EXISTING CONTOURS
- DIRECTIONAL FLOW ARROW
- 10+00 CROSS SECTION STATIONS
- CONVEYANCE SWALE
- DRAINAGE DIVIDE
- PASSIVE LFG VENT
- STORMWATER CONVEYANCE SYSTEM (DOWNCOMER PIPE; DROP INLET; MITERED END WITH ENERGY DISSIPATERS)



NOTES:

1. CONTOURS REPRESENT FINAL COVER. FILL ELEVATIONS SHALL BE SUCH THAT FINAL COVER DESIGN ELEVATIONS SHALL BE ACHIEVED ON ALL SLOPES
2. PRIOR TO WASTE BEING DISPOSED IN PROPOSED CELLS, BACKFILL TEMPORARY DIVERSION SWALE WITH COMPACTED CLAY.
3. LANDFILL FINAL COVER PER DETAIL 3, SHEET C4.00.
4. TOPOGRAPHIC SURVEY BY PICKETT SURVEYING & PHOTOGRAMMETRY, DATED 10/01/18.
5. FINAL COVER CONSTRUCTION TO BE IN ACCORDANCE WITH SECTION 7.1 OF THE ENTERPRISE RECYCLING & DISPOSAL FACILITY RECLAMATION & CLOSURE PLAN.
6. THE FACILITY'S OVERALL STORMWATER MANAGEMENT SYSTEM IS GOVERNED BY THE MINING OPERATIONS AND ERP PERMITS. GRADES AND ELEVATION VARY BASED ONGOING MINING OPERATIONS AND TOPOGRAPHY. A DETAILED DESIGN THAT WILL TIE THE CONCEPTUAL CLOSURE PLAN INTO THE FACILITY'S STORMWATER MANAGEMENT SYSTEM WILL BE SUBMITTED AT THE TIME OF CLOSURE.



1 / C3.00 CONCEPTUAL CLOSURE BERM

SCALE: N.T.S.

NO.	DATE	REVISION DESCRIPTION	BY
1	4/1/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB
2	5/15/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB

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DADE CITY, PASCO COUNTY, FLORIDA

LISA J. BAKER LICENSE No. 74652 STATE OF FLORIDA PROFESSIONAL ENGINEER

DESIGNED BY	LJB
DRAWN BY	MAF
CHECKED BY	JDL
APPROVED BY	LJB

SHEET TITLE:
PHASING PLAN SEQUENCE NO. 4 CONCEPTUAL CLOSURE

PROJECT NO.: 02000-217-17
SCALE: AS SHOWN
DATE: JANUARY 2019
DRAWING: C3.00

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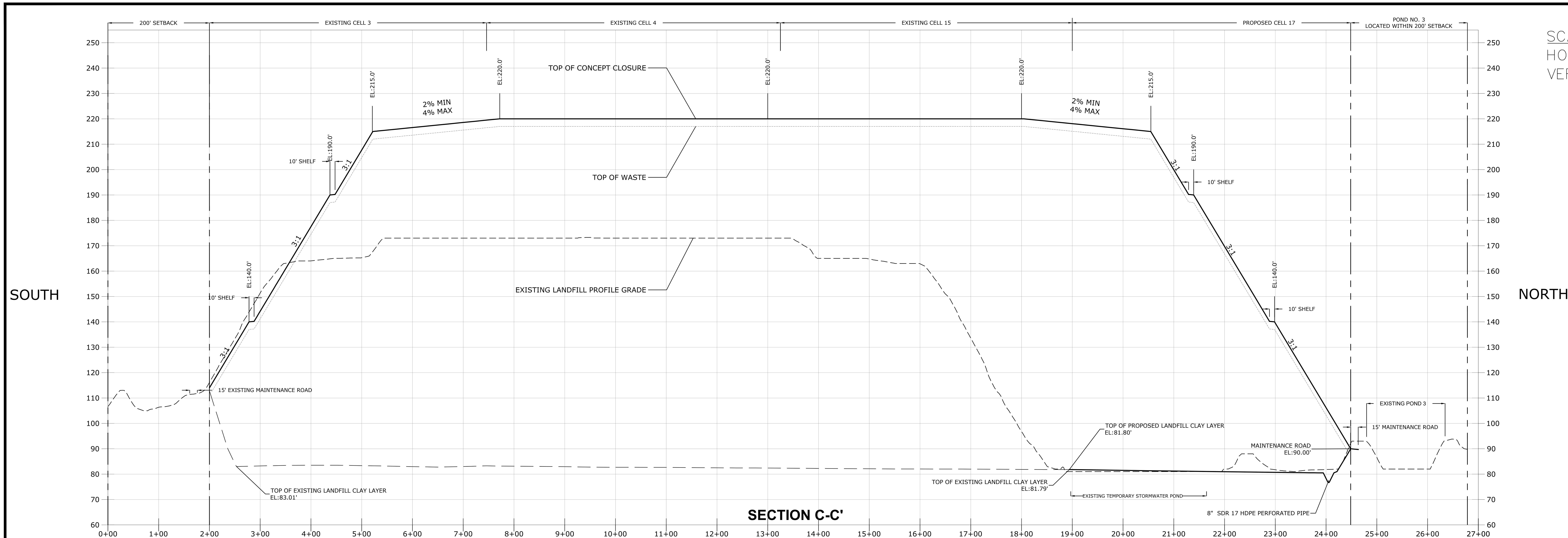
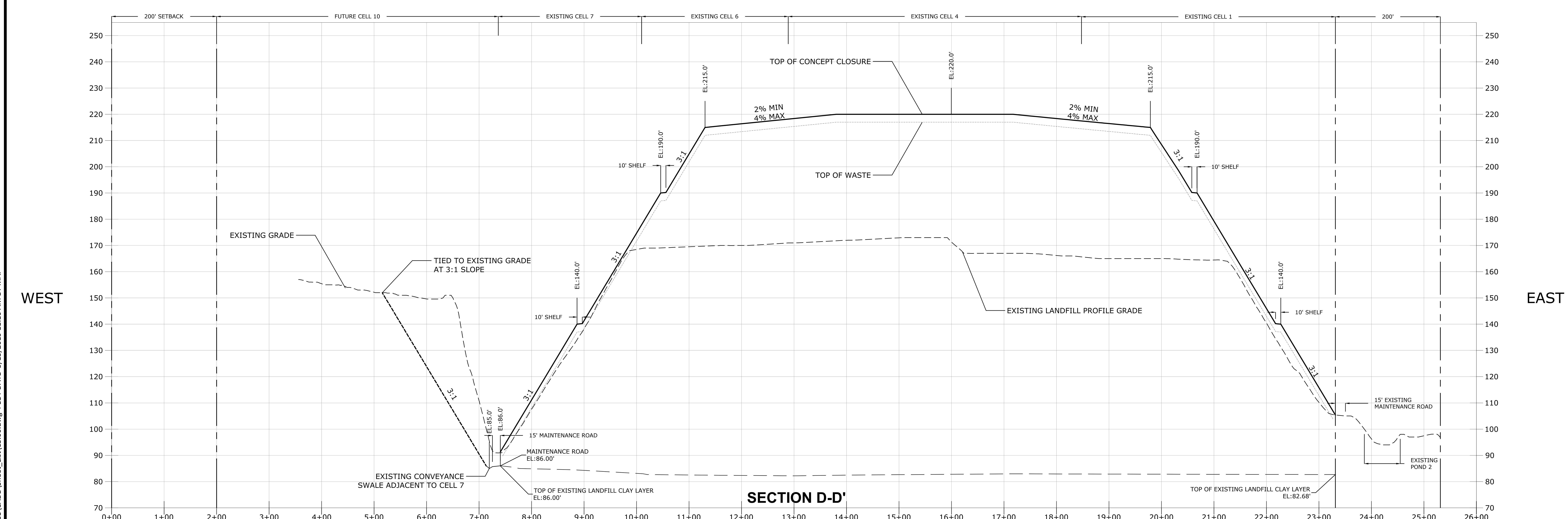
REVIEW ONLY-NOT FOR CONSTRUCTION

SCALES:
HORIZONTAL 1"=100'
VERTICAL 1"= 20'



SECTION C-C'



SECTION D-D'

NO.	DATE	REVISION DESCRIPTION	BY
1	4/1/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB
2	5/15/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB

Locklear & Associates

4140 NW 37th Place, Suite A
Gainesville, Florida 32606
Phone: 352.672.6867 Fax: 352.692.5390
Certificate of Authorization No. 30066

PROJECT TITLE:
PERMIT PLANS
ENTERPRISE ROAD CLASS III
RECYCLING & DISPOSAL FACILITY
CELL 17 AND VERTICAL EXPANSION CONSTRUCTION PERMIT
DADE CITY, PASCO COUNTY, FLORIDA

LISA J. BAKER LICENSE No. 74652 STATE OF FLORIDA PROFESSIONAL ENGINEER

DESIGNED BY	LJB
DRAWN BY	MAF
CHECKED BY	JDL
APPROVED BY	LJB

SHEET TITLE:
PHASING PLAN SEQUENCE NO. 4 CONCEPTUAL CLOSURE SECTIONS

PROJECT NO.:	02000-217-17
SCALE:	AS SHOWN
DATE:	JANUARY 2019
DRAWING:	C3.10

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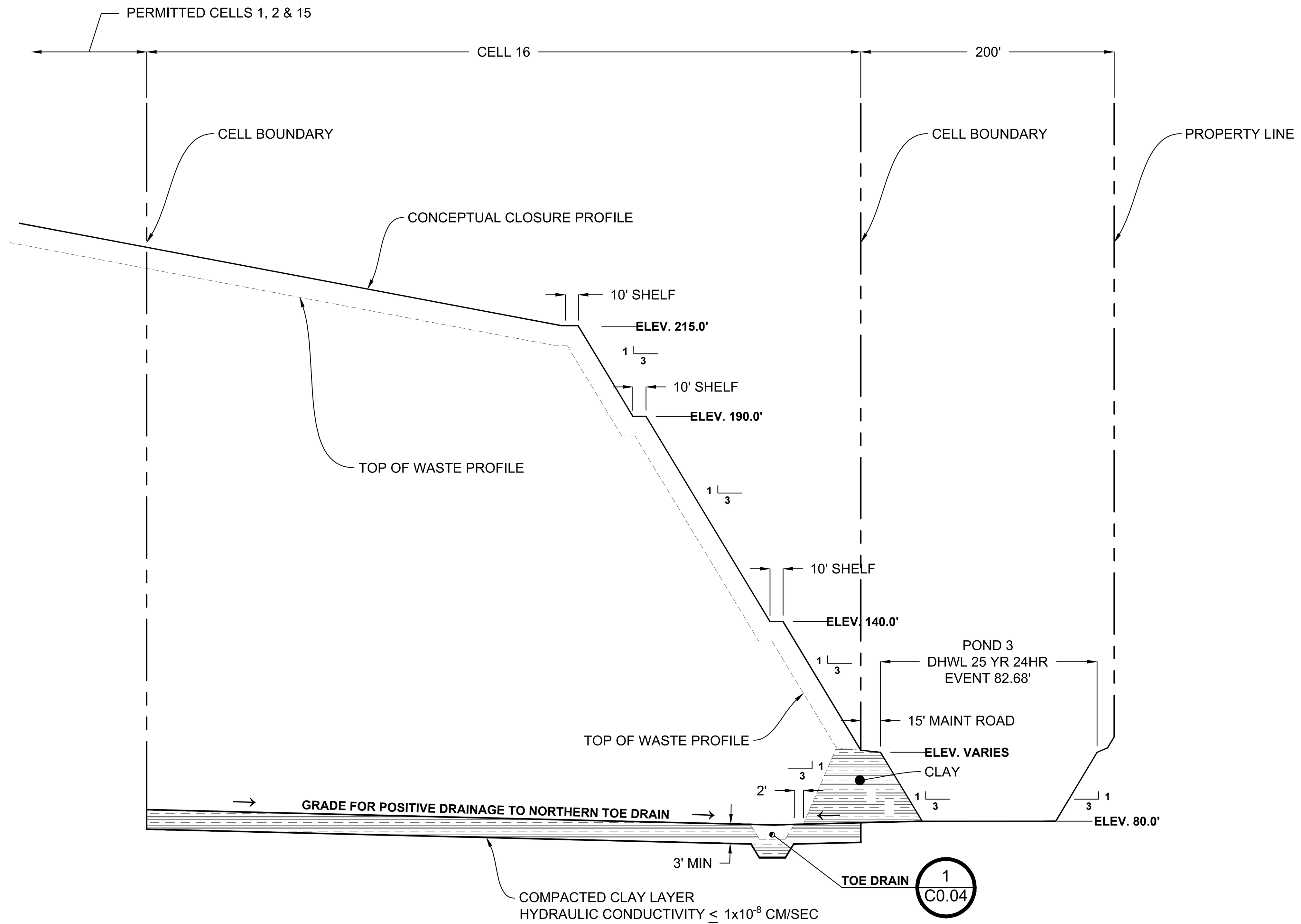
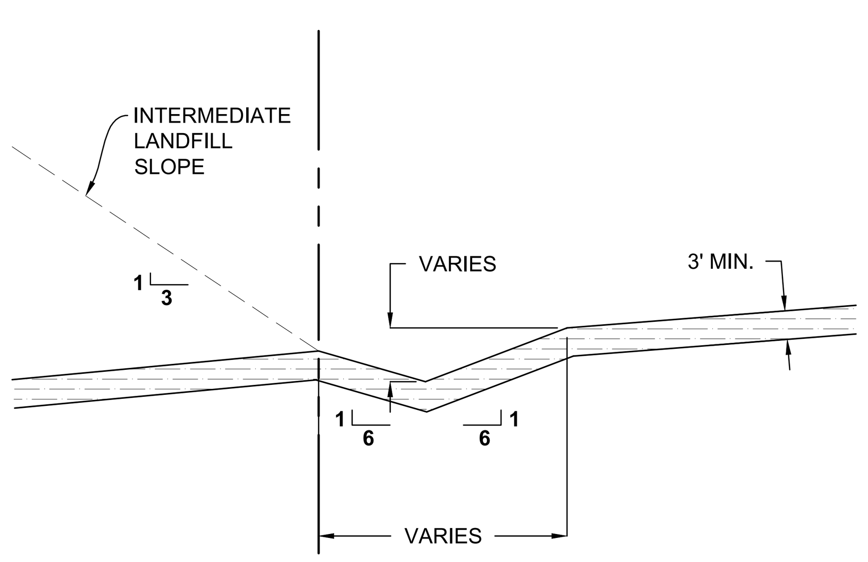


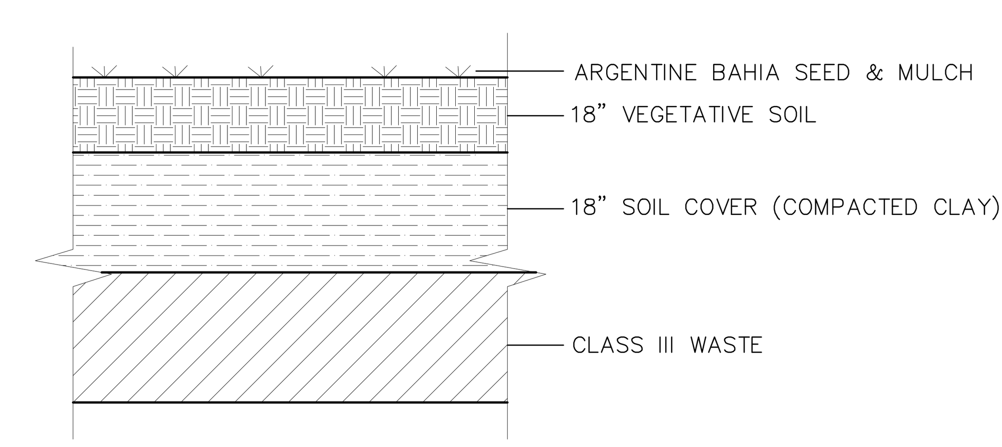
1
C4.00
TYPICAL DISPOSAL AREA DETAIL CELLS 16 & 17
SCALE: N.T.S.



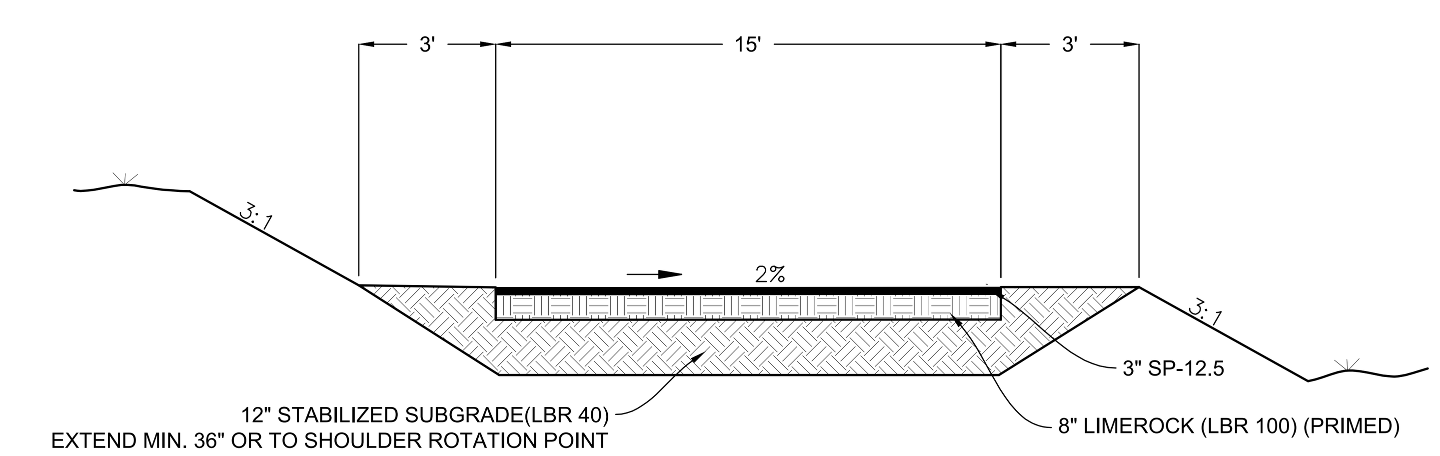
2
C4.00
TEMPORARY STORMWATER DIVERSION SWALE DETAIL
SCALE: N.T.S.

NOTES:

1. FOR CELL 17 THE TEMPORARY DIVERSION SWALE IS CONSTRUCTED PRIOR TO WASTE ACCEPTANCE WITHIN CELL.
2. PRIOR TO WASTE BEING DISPOSED OF ON THE PREVIOUS INTERMEDIATE SLOPE THE TEMPORARY SWALE IS BACKFILLED AND COMPACTED WITH CLAY TO PROVIDE A CONTINUOUS CLAY BARRIER LAYER.
3. CLAY BARRIER LAYER TO BE CONSTRUCTED IN ACCORDANCE WITH SECTION 3.7 OF THE ENTERPRISE CLASS III LANDFILL ENGINEERING REPORT.
4. STEP BACK AND SCARIFY EXISTING CLAY LAYER IN 12" LIFTS PRIOR TO CONSTRUCTION NEW CLAY LAYER ADJACENT TO EXISTING.
5. FINAL COVER CONSTRUCTION TO BE IN ACCORDANCE WITH SECTION 7.1 OF THE ENTERPRISE RECYCLING & DISPOSAL FACILITY RECLAMATION & CLOSURE PLAN.



3
C4.00
TYPICAL FINAL COVER
SCALE: N.T.S.



4
C4.00
ACCESS ROAD TYPICAL SECTION
SCALE: N.T.S.

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NO.	DATE	REVISION DESCRIPTION	BY
1	4/1/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB
2	5/15/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB

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DADE CITY, PASCO COUNTY, FLORIDA

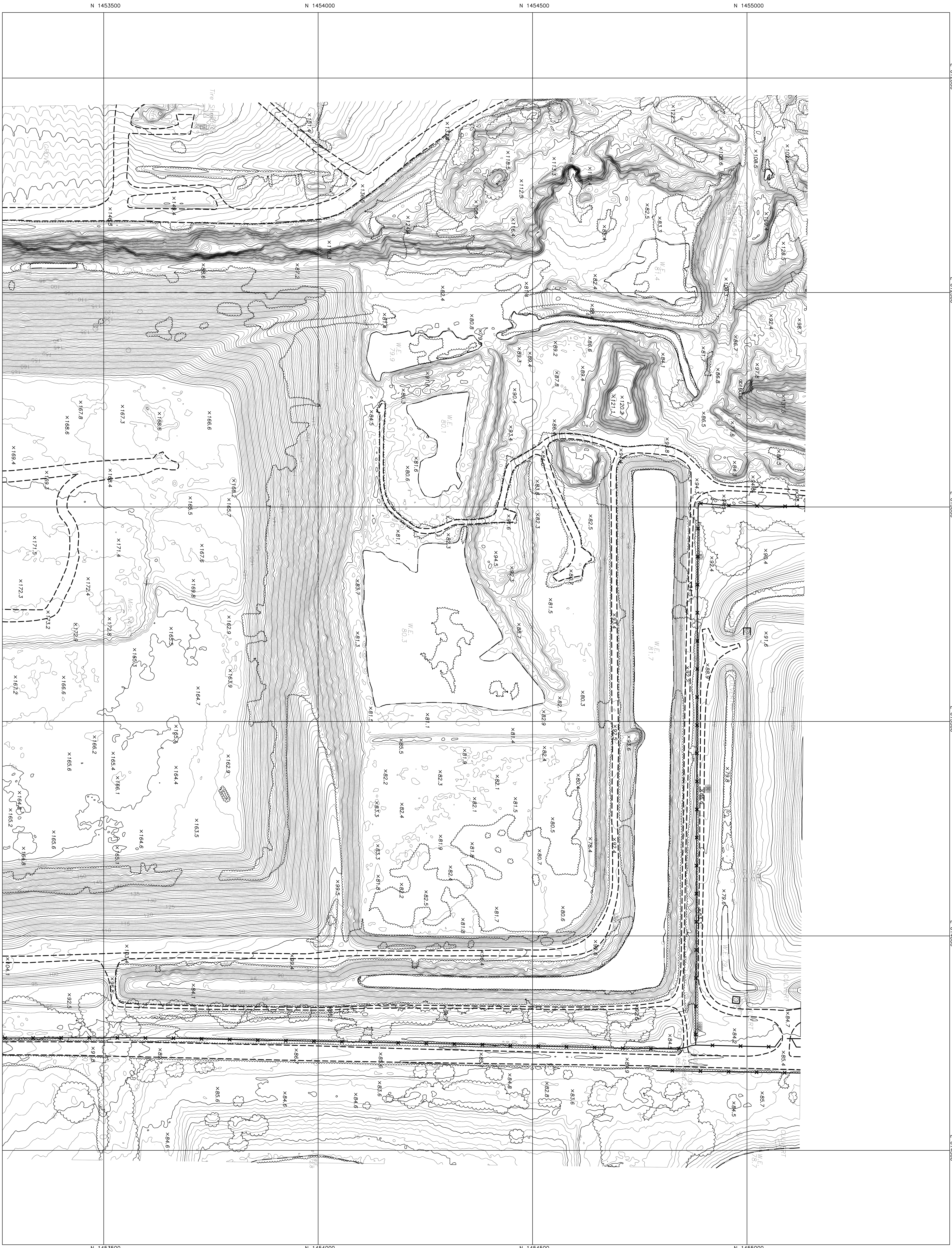
LISA J. BAKER LICENSE No. 74652 STATE OF FLORIDA PROFESSIONAL ENGINEER

DESIGNED BY	LJB
DRAWN BY	MAF
CHECKED BY	JDL
APPROVED BY	LJB

SHEET TITLE:
CLOSURE DETAILS

PROJECT NO.: 02000-217-17
SCALE: AS SHOWN
DATE: JANUARY 2019
DRAWING: C4.00

REVIEW ONLY-NOT FOR CONSTRUCTION



SURVEYOR's NOTES:

1.) North, the grid, and the coordinates shown hereon are referenced to the West Zone of the Florida State Plane Coordinate System, NAD 83, 1990 adjustment

2.) Elevations are to National Geodetic Vertical Datum of 1929.

3.) This topographic survey was prepared using photogrammetric and LiDAR methods. See the attached report for map accuracy and surveyor's signature and seal. This map is limited to those features visible on aerial imagery.

(THESE FEATURES ARE REPRESENTED BY SYMBOLS NOT TO SCALE)

- CONTROL
- PT# TARGET NUMBER
- N NORTHING
- E EASTING
- EL ELEVATION
- UTILITY POLE
- LIGHT POLE
- TRAFFIC LIGHT
- SIGN
- POST
- FLAG
- MAIL BOX
- GUYWIRE
- CATCH BASIN
- VALVE
- ELECTRICAL
- AIR CONDITIONER
- MISCELLANEOUS SYMBOL
- CULVERT
- MANHOLE
- HYDRANT
- TREE
- PALM
- SHRUB

LEGEND:

(THESE FEATURES ARE TO SCALE)

- CURB
- PAVED ROAD
- CONCRETE SURFACE
- UNPAVED ROAD
- FENCE
- GUARDRAIL
- WALL
- RAILROAD
- STRUCTURE
- TREE LINE
- SHRUB LINE
- PIPELINE
- RECREATION
- EDGE OF GROVE
- EDGE OF WATER

(THESE INFORMATIVE LABELS ARE NOT SCALE DEPENDENT)

- W.E. WATER ELEVATION
- × 120.1 SPOT ELEVATION
- MISC MISCELLANEOUS

NORTH

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

ACCURACY STATEMENT: The following stated plus or minus tolerances encompass a minimum of 90% of the difference between photogrammetrically measured values and ground truth of all well-identified features. Mapped features meet or exceed the Florida Standards of Practice.

VERTICAL: Contours have been measured to an estimated vertical positional accuracy of 0.5'. Spot elevations and well-identified features have been measured to an estimated vertical positional accuracy of 0.25'

HORIZONTAL: Well-identified features have been measured to an estimated horizontal positional accuracy of 1.66'.

MAP PLOTTING: This map is intended to be displayed at a scale of 1" = 50' (1:600) or smaller.

MEASUREMENT METHODS: This map is limited to those features visible on aerial imagery.

LIMITATIONS: This mapping should be used for preliminary design work only and should not replace an actual field survey where the required accuracy is greater than the accuracy stated in this report. No responsibility is assumed for areas outside the contracted scope.

9/17/18

T. JEFFREY YOUNG, PSM, CP — SURVEY DATE
FLORIDA REGISTRATION NO. 5440
PICKETT AND ASSOCIATES, INC.

No.	DATE	APPROVED	REVISION
O.R.	10/1/18	TJY	ORIGINAL RELEASE

TOPOGRAPHIC SURVEY

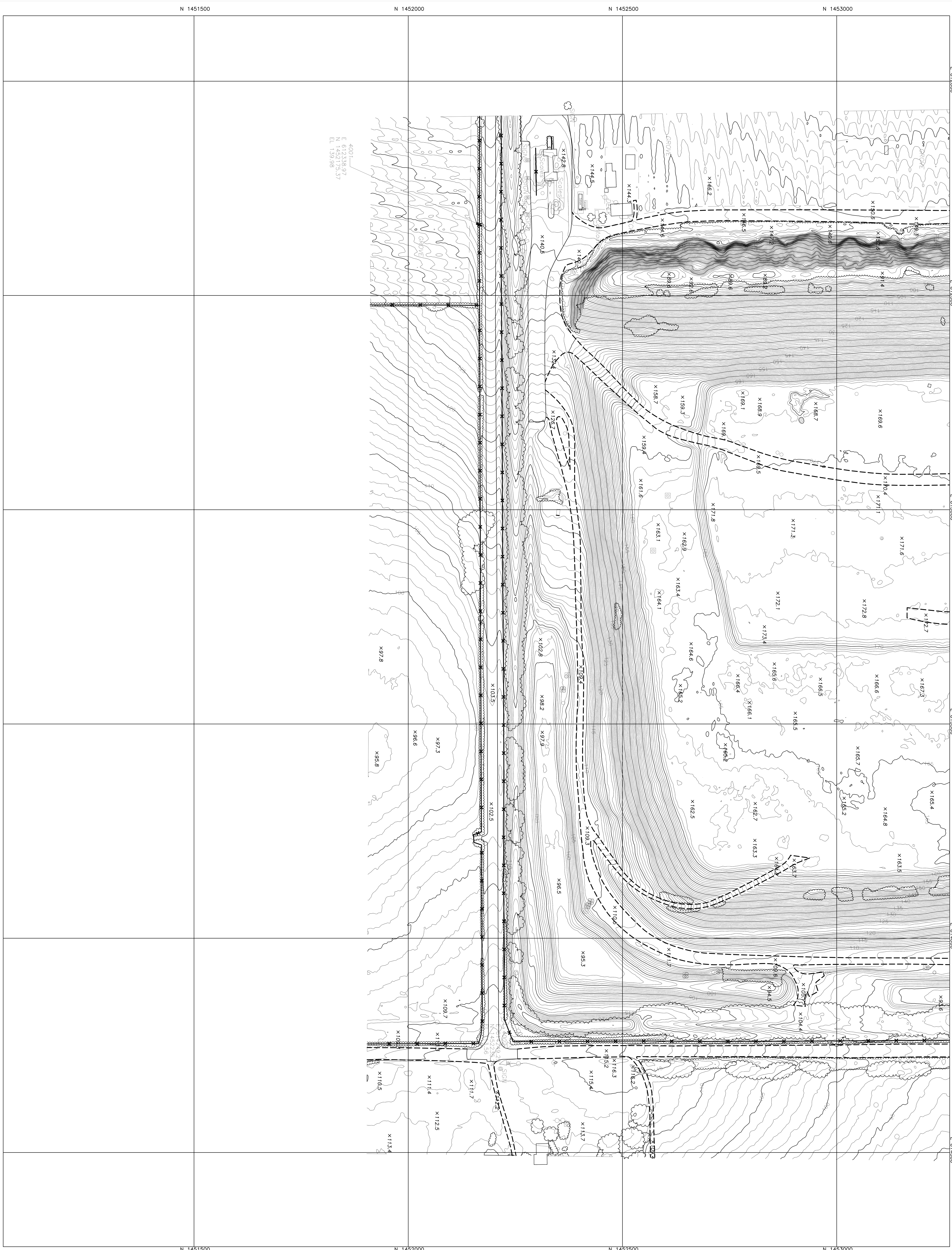
ENTERPRISE ROAD LANDFILL

PREPARED FOR: ANGELO'S RECYCLED MATERIALS

PICKETT
SURVEYING • ENGINEERING
PICKETT AND ASSOCIATES, INC.
475 SOUTH FIRST AVENUE BARTOW, FLORIDA 33830
PHONE: (863)-533-9095
FAX: (863)-534-1464
LICENSED BUSINESS No. LB364

Horiz. Scale: 1" = 100'	Edited by: RP	Compiled by: PL	Flight Date: 9/17/18
Contour Interval: 1'			Drawing Name: 14094-9.DWG

PROJECT No. 14094-9
DRAWING No. LD-6398
No. 1 OF 2



SURVEYOR's NOTES:

1.) North, the grid, and the coordinates shown hereon are referenced to the West Zone of the Florida State Plane Coordinate System, NAD 83, 1990 adjustment

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(THESE FEATURES ARE REPRESENTED BY SYMBOLS NOT TO SCALE)

- △ CONTROL
- PT# TARGET NUMBER
- N NORTHING
- E EASTING
- EL ELEVATION
- UTILITY POLE
- LIGHT POLE
- TRAFFIC LIGHT
- SIGN
- POST
- FLAG
- MAIL BOX
- GUYWIRE
- CATCH BASIN
- VALVE
- ELECTRICAL
- AIR CONDITIONER
- MISCELLANEOUS SYMBOL
- CULVERT
- MANHOLE
- HYDRANT
- TREE
- PALM
- SHRUB

LEGEND:

(THESE FEATURES ARE TO SCALE)

- CURB
- PAVED ROAD
- CONCRETE SURFACE
- UNPAVED ROAD
- FENCE
- GUARDRAIL
- WALL
- RAILROAD
- STRUCTURE
- TREE LINE
- SHRUB LINE
- PIPELINE
- RECREATION
- EDGE OF GROVE
- EDGE OF WATER

(THESE INFORMATIVE LABELS ARE NOT SCALE DEPENDENT)

- W.E. WATER ELEVATION
- ×120.1 SPOT ELEVATION
- MISC MISCELLANEOUS

NORTH

1
2

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

ACCURACY STATEMENT: The following stated plus or minus tolerances encompass a minimum of 90% of the difference between photogrammetrically measured values and ground truth of all well-identified features. Mapped features meet or exceed the Florida Standards of Practice.

VERTICAL: Contours have been measured to an estimated vertical positional accuracy of 0.5'. Spot elevations and well-identified features have been measured to an estimated vertical positional accuracy of 0.25'

HORIZONTAL: Well-identified features have been measured to an estimated horizontal positional accuracy of 1.66'.

MAP PLOTTING: This map is intended to be displayed at a scale of 1" = 50' (1:600) or smaller.

MEASUREMENT METHODS: This map is limited to those features visible on aerial imagery.

LIMITATIONS: This mapping should be used for preliminary design work only and should not replace an actual field survey where the required accuracy is greater than the accuracy stated in this report. No responsibility is assumed for areas outside the contracted scope.

No.	DATE	APPROVED	REVISION
O.R.	10/1/18	TJY	ORIGINAL RELEASE

THIS MAP AND ATTACHED REPORT ARE NOT FULL AND COMPLETE WITHOUT THE OTHER AND ARE NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

SEE PAGE 1 FOR THE SIGNATURE AND THE ORIGINAL RAISED SEAL

TOPOGRAPHIC SURVEY

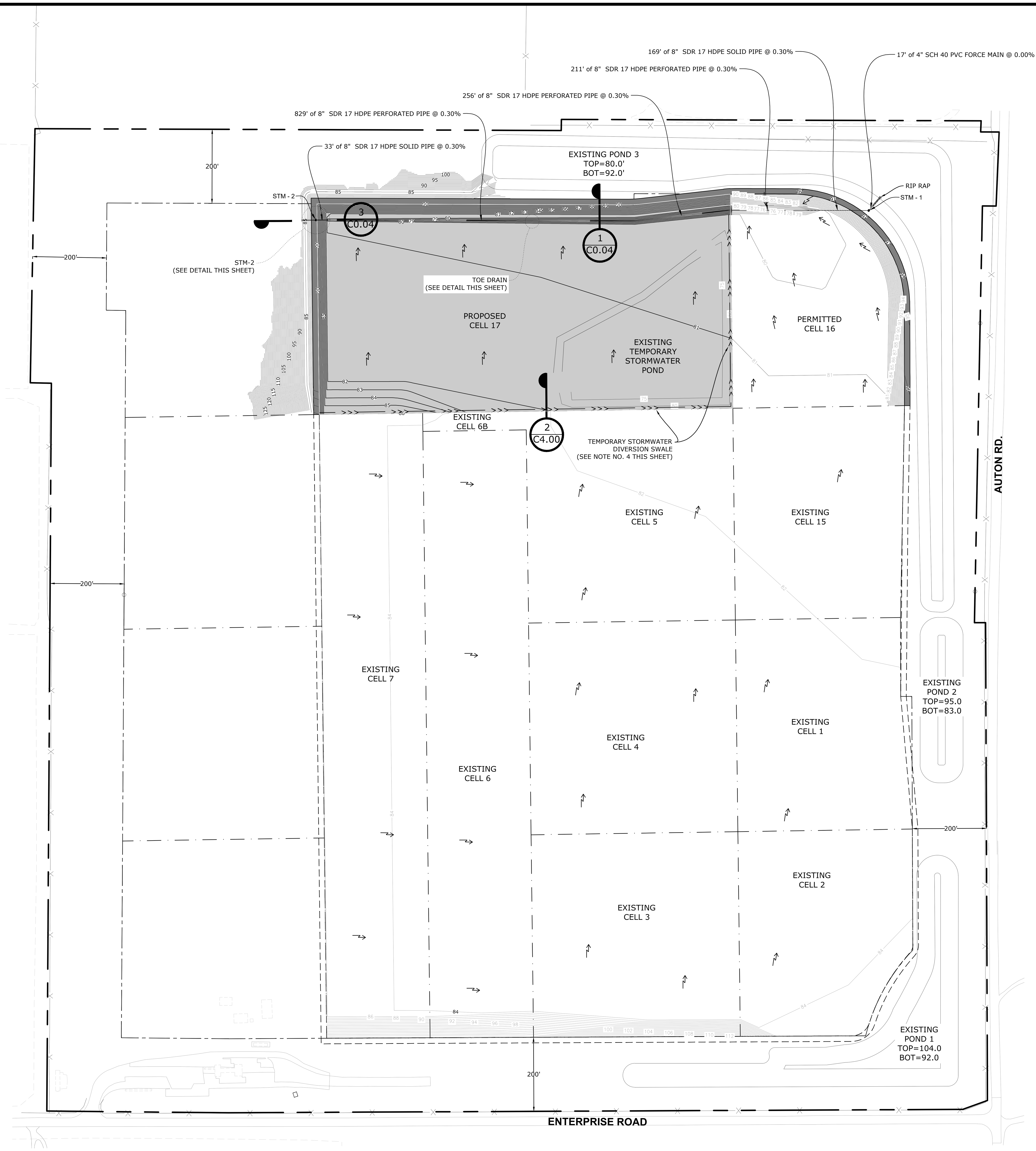
ENTERPRISE ROAD LANDFILL

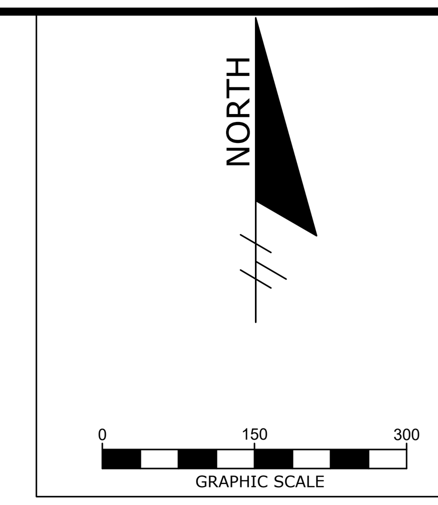
PREPARED FOR: ANGELO'S RECYCLED MATERIALS

PICKETT
SURVEYING • ENGINEERING
PICKETT AND ASSOCIATES, INC.
475 SOUTH FIRST AVENUE BARTOW, FLORIDA 33830
PHONE: (863)-533-9095
FAX: (863)-534-1464
LICENSED BUSINESS No. LB364

Horiz. Scale: 1" = 100'
Contour Interval: 1'
Edited by: RP
Compiled by: PL
Flight Date: 9/17/18
Drawing Name: 14094-9.DWG

PROJECT No. 14094-9
DRAWING No. LD-6398
No. 2 OF 2

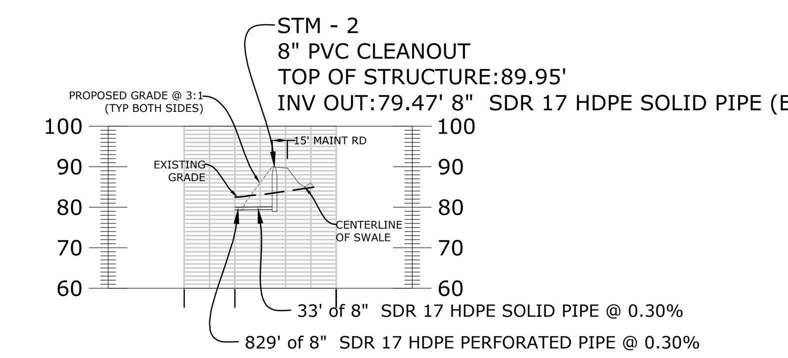




STORM SEWER STRUCTURE TABLE			
STRUCTURE NAME:	DETAILS:	NORTHING	EASTING
STORM SEWER STM - 1	LEACHATE COLLECTION WETWELL (SEE DETAIL ON C4.10) FINISH GRADE RIM EL = 91.92' INV IN = 74.98' 8" SDR 17 HDPE SOLID PIPE SUMP EL = 72.00' INV OUT = 88.50' 4" SCH 40 PVC FORCE MAIN	1,454,654.80	613,925.38
STORM SEWER STM - 2	8" PVC CLEANOUT FINISH GRADE RIM EL = 89.95' INV OUT = 79.47' 8" SDR 17 HDPE SOLID PIPE	1,454,629.15	612,432.13

LEGEND

X	PERIMETER FENCE
	PROPERTY BOUNDARY
	LANDFILL FOOTPRINT (AT BUILD OUT)
	LANDFILL CELLS
90	EXISTING CLAY LAYER CONTOURS
90	PROPOSED CLAY LAYER CONTOURS
	DIRECTIONAL FLOW ARROW
	FLOOR GRADING CLAY AREA (SHADED)



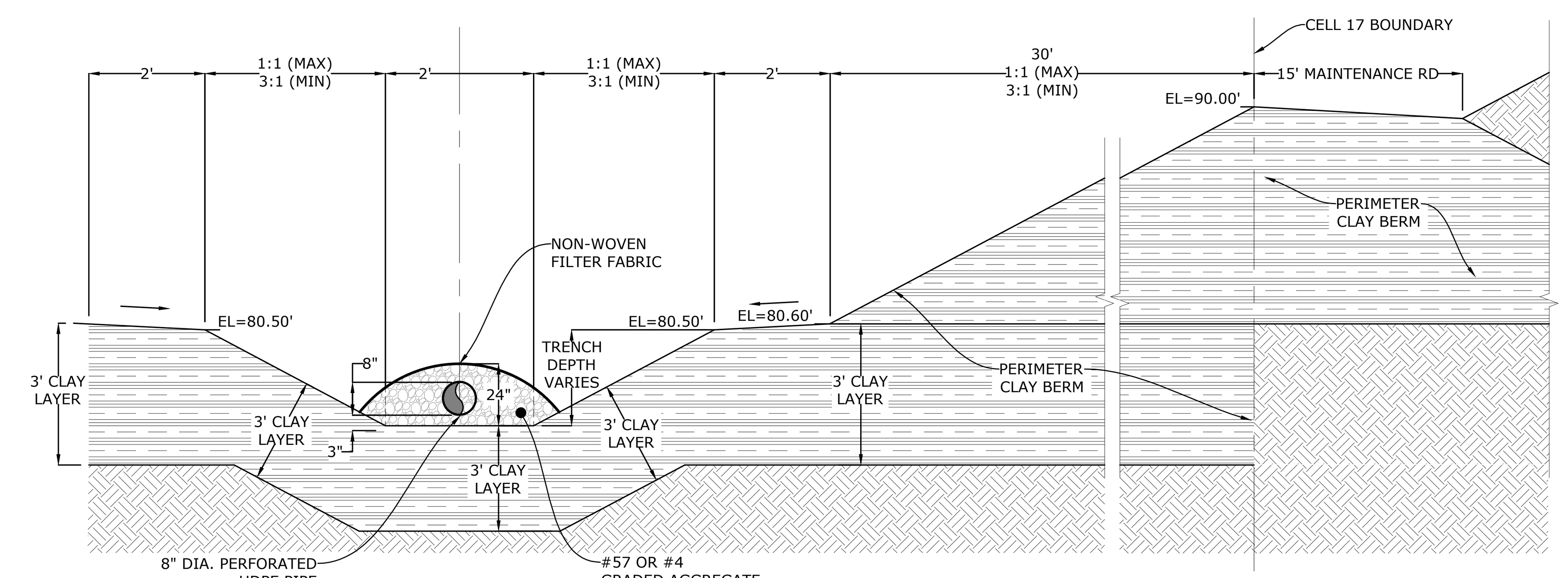
DETAIL STM-2

N.T.S.

3
C0.04

NOTES:

1. PROPOSED CONTOURS REPRESENT THE TOP OF CLAY (3' BARRIER LAYER) ELEVATION.
2. TOPOGRAPHIC SURVEY BY PICKETT SURVEYING & PHOTOGRAMMETRY, DATED 10/01/2018.
3. CONSTRUCTION AND FILLING OF CELL 16 AND POND NO. 3 (PREVIOUSLY PERMITTED, CONSTRUCTION IN PROGRESS.
4. TEMPORARY STORMWATER DIVERSION SWALE. CONTRACTOR SHALL GRADE TEMPORARY SWALE FOR POSITIVE DRAINAGE TOWARD EXISTING TEMPORARY STORMWATER POND. TEMPORARY SWALE SHALL BE REMOVED AND FILLED WITH CLAY ONCE INITIAL WASTE LIFT REACHES THE SWALE FROM THE NORTH.
5. CONSTRUCTION AND FILLING OF CELL 17.
6. TEMPORARY STORMWATER DIVERSION SWALE. CONTRACTOR SHALL GRADE TEMPORARY SWALE FOR POSITIVE DRAINAGE ALONG THE SOUTHERN CELL BOUNDARY OF CELL 17 AND RUN NORTH ALONG THE WESTERN BOUNDARY OF CELL 16. TEMPORARY SWALE SHALL BE REMOVED AND FILLED WITH CLAY ONCE INITIAL WASTE LIFT REACHES THE SWALE FROM THE NORTH.



TOE DRAIN

N.T.S.

1
C0.04

NO.	DATE	REVISION DESCRIPTION	BY
1	4/1/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB
2	5/15/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB

Locklear & Associates
4140 NW 37th Place, Suite A
Gainesville, Florida 32606
Phone: 352.672.6867 Fax: 352.692.5390
Certificate of Authorization No. 30066

PROJECT TITLE:
PERMIT PLANS
ENTERPRISE ROAD CLASS III
RECYCLING & DISPOSAL FACILITY
CELL 17 AND VERTICAL EXPANSION CONSTRUCTION PERMIT
DADE CITY, PASCO COUNTY, FLORIDA

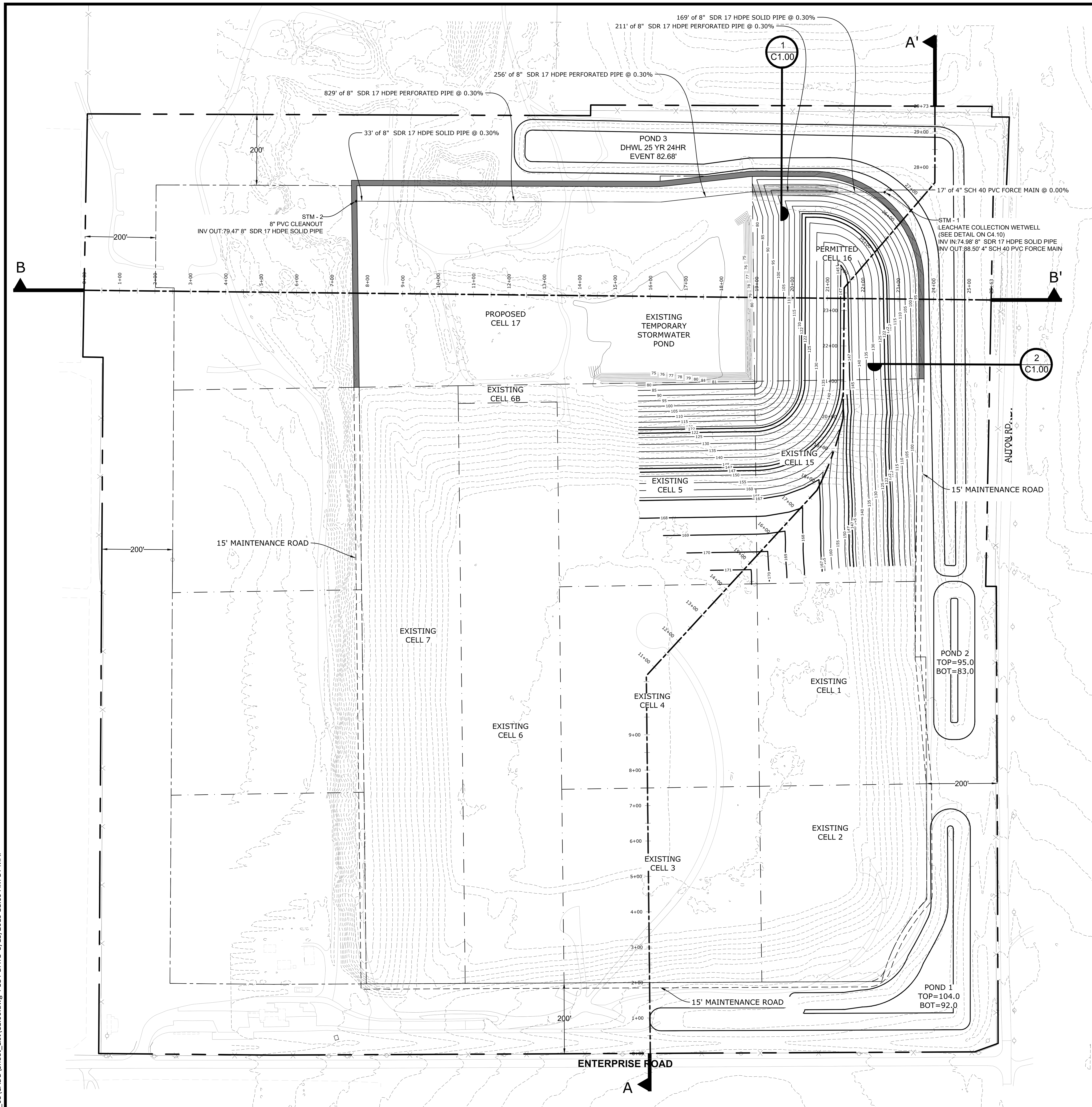
LISA J. BAKER LICENSE No. 74652 STATE OF FLORIDA PROFESSIONAL ENGINEER

DESIGNED BY	LJB
DRAWN BY	MAF
CHECKED BY	JDL
APPROVED BY	LJB

SHEET TITLE:
CELL FLOOR GRADING PLAN

PROJECT NO.: 02000-217-17
SCALE: AS SHOWN
DATE: JANUARY 2019
DRAWING: C0.04

REVIEW ONLY-NOT FOR CONSTRUCTION



STORM SEWER STRUCTURE TABLE			
STRUCTURE NAME:	DETAILS:	NORTHING	EASTING
STORM SEWER STM - 1	LEACHATE COLLECTION WETWELL (SEE DETAIL ON C4.10) FINISH GRADE RIM EL = 91.92' INV IN = 74.98' 8" SDR 17 HDPE SOLID PIPE SUMP EL = 72.00' INV OUT = 88.50' 4" SCH 40 PVC FORCE MAIN	1,454,654.80	613,925.38
STORM SEWER STM - 2	8" PVC CLEANOUT FINISH GRADE RIM EL = 89.95' INV OUT = 79.47' 8" SDR 17 HDPE SOLID PIPE	1,454,629.15	612,432.13

NORTH

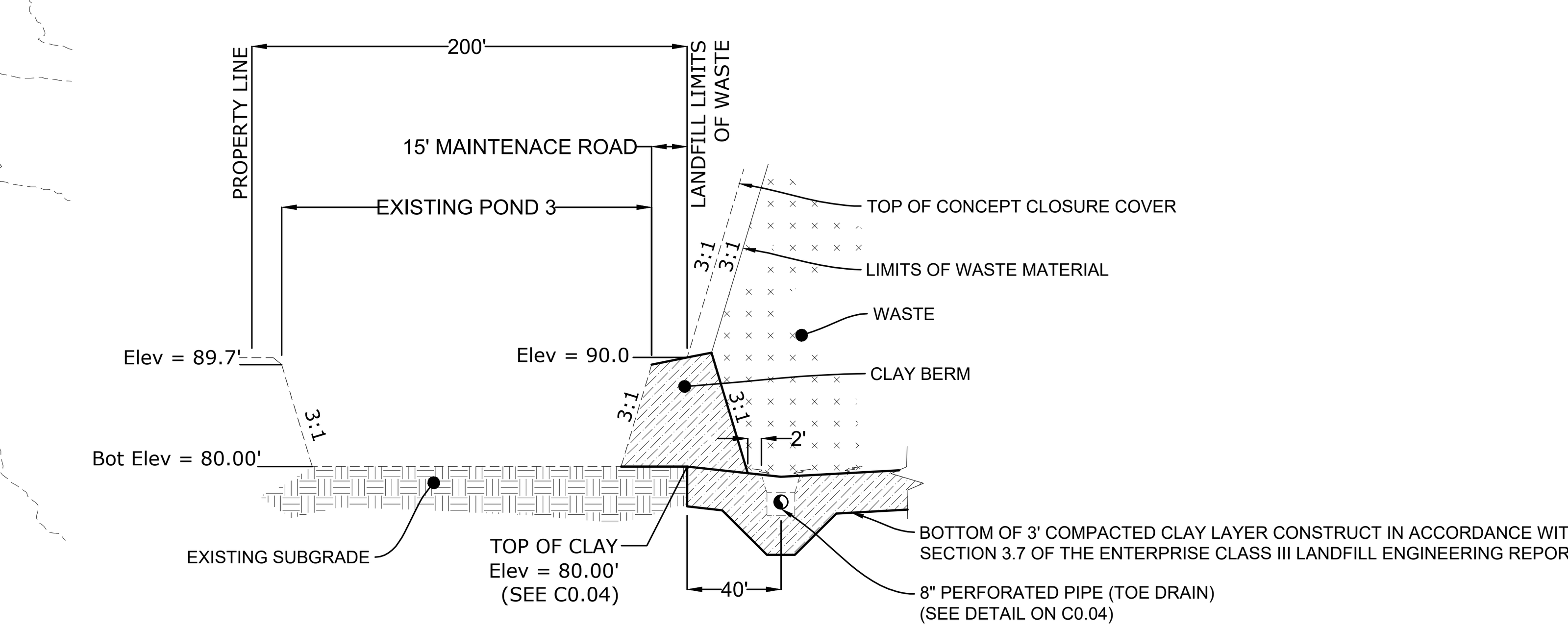
0 150 300
Feet

LEGEND

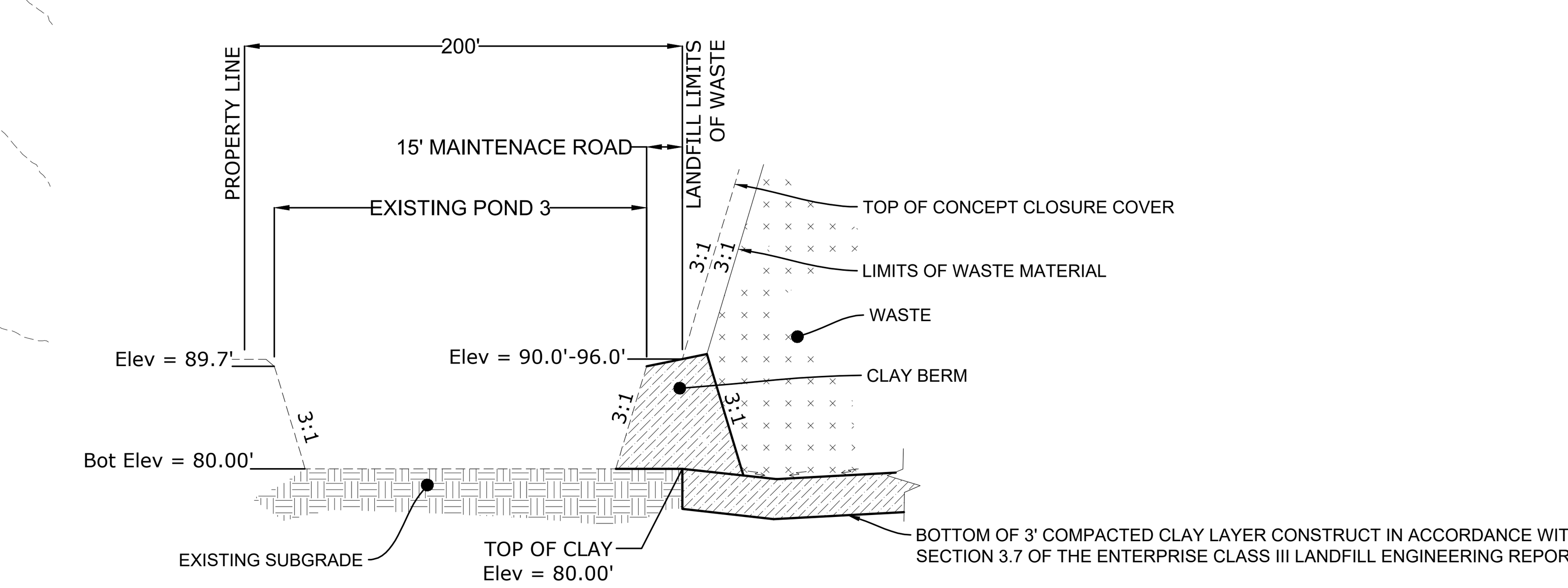
x x	PERIMETER FENCE
	PROPERTY BOUNDARY
	LANDFILL FOOTPRINT (AT BUILD OUT)
	LANDFILL CELLS
90	EXISTING CONTOURS
10+00	CROSS SECTION STATIONS

NOTES:

1. CONTOURS REPRESENT TOP OF WASTE. FILL ELEVATIONS SHALL BE SUCH THAT FINAL COVER DESIGN ELEVATIONS SHALL BE ACHIEVED ON ALL SLOPES.
2. TOPOGRAPHIC SURVEY BY PICKETT SURVEYING & PHOTOGRAMMETRY, DATED 10/01/18.



1
C1.00
EXISTING NORTH BERM DETAIL CELL 16
SCALE: N.T.S.



2
C1.00
EXISTING EAST BERM DETAIL CELL 16
SCALE: N.T.S.

NO.	DATE	REVISION DESCRIPTION	BY
1	4/1/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB
2	5/15/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB

Locklear & Associates
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PROJECT TITLE:
PERMIT PLANS
ENTERPRISE ROAD CLASS III
RECYCLING & DISPOSAL FACILITY
CELL 17 AND VERTICAL EXPANSION CONSTRUCTION PERMIT
DADE CITY, PASCO COUNTY, FLORIDA

LISA J. BAKER
LICENSE
No. 74652
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DESIGNED BY	LJB
DRAWN BY	MAF
CHECKED BY	JDL
APPROVED BY	LJB

SHEET TITLE:
PHASING PLAN SEQUENCE NO. 1

PROJECT NO.: 02000-217-17
SCALE: AS SHOWN
DATE: JANUARY 2019
DRAWING: C1.00

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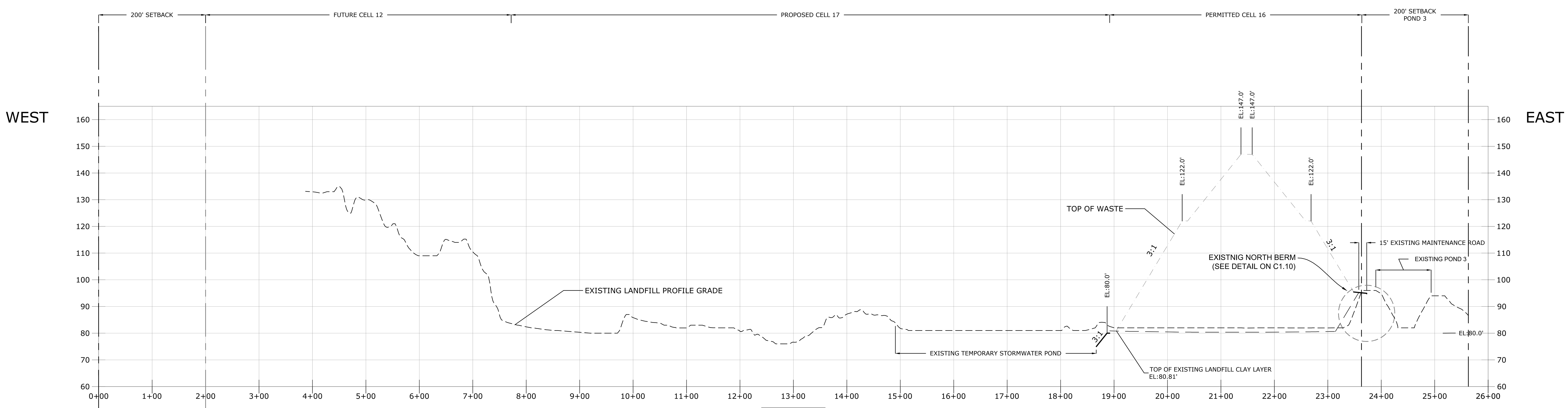
REVIEW ONLY-NOT FOR CONSTRUCTION

SCALES:
HORIZONTAL 1"=100'
VERTICAL 1"= 20'

SECTION A-A'
HORIZ: 1"=150'
VERT: 1"=5'



SECTION B-B'
HORIZ: 1"=150'
VERT: 1"=5'

NO.	DATE	REVISION DESCRIPTION	BY
1	4/1/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB
2	5/15/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB

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RECYCLING & DISPOSAL FACILITY
CELL 17 AND VERTICAL EXPANSION CONSTRUCTION PERMIT
DADE CITY, PASCO COUNTY, FLORIDA

LISA J. BAKER LICENSE No. 74652 STATE OF FLORIDA PROFESSIONAL ENGINEER

DESIGNED BY	LJB
DRAWN BY	MAF
CHECKED BY	JDL
APPROVED BY	LJB

SHEET TITLE:
PHASING PLAN SEQUENCE NO. 1 SECTIONS

PROJECT NO.: 02000-217-17
SCALE: AS SHOWN
DATE: JANUARY 2019
DRAWING: C1.01

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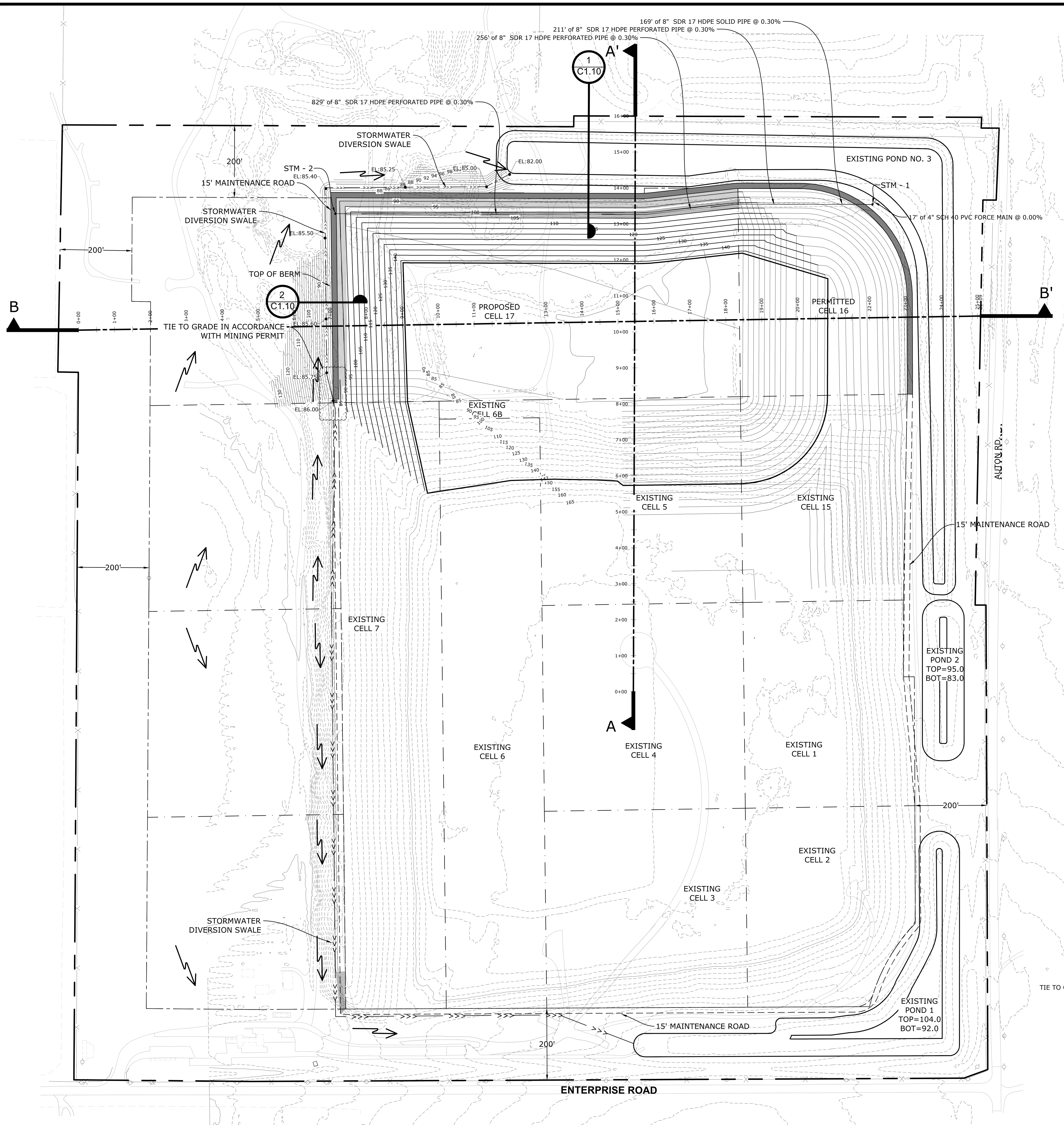


LEGEND

- PERIMETER FENCE
- PROPERTY BOUNDARY
- LANDFILL FOOTPRINT (AT BUILD OUT)
- LANDFILL CELLS
- EXISTING CONTOURS
- TEMPORARY STORMWATER DIVERSION SWALE
- DIRECTIONAL FLOW ARROW
- 10+00 CROSS SECTION STATIONS

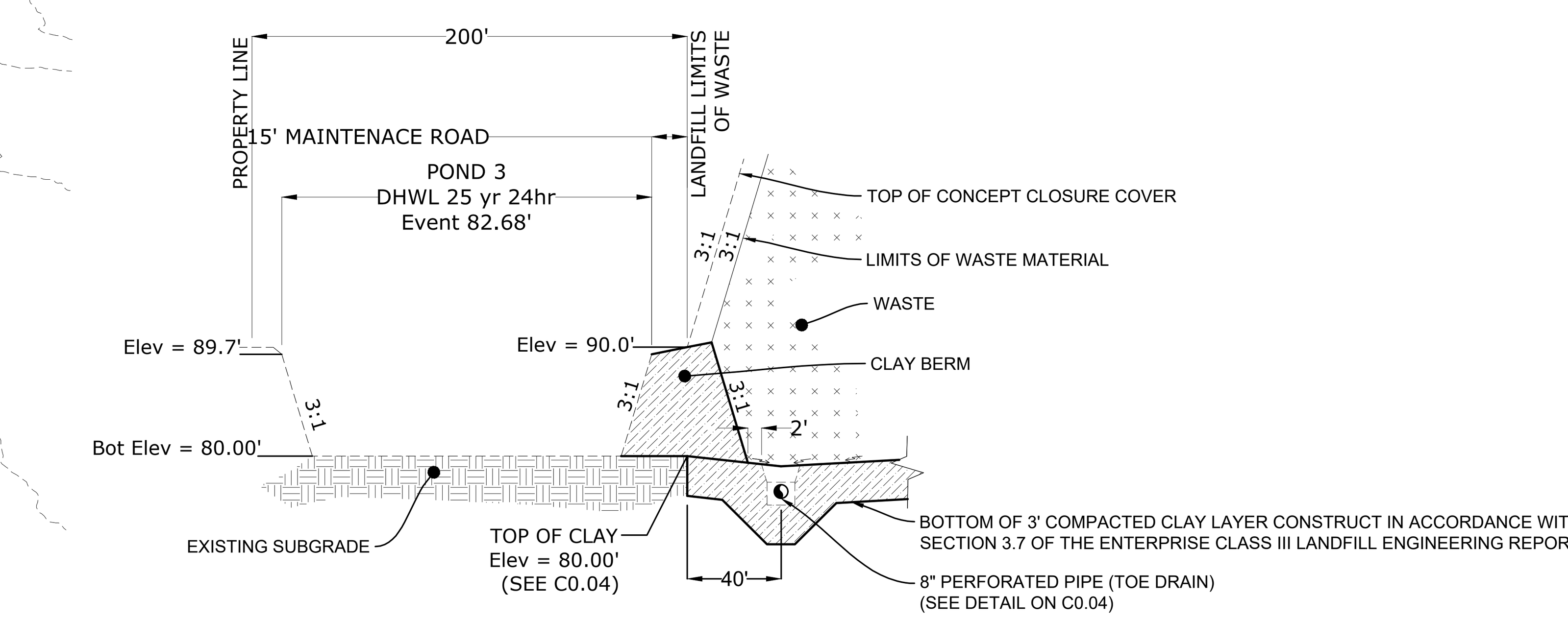
NORTH

0 150 300
Feet

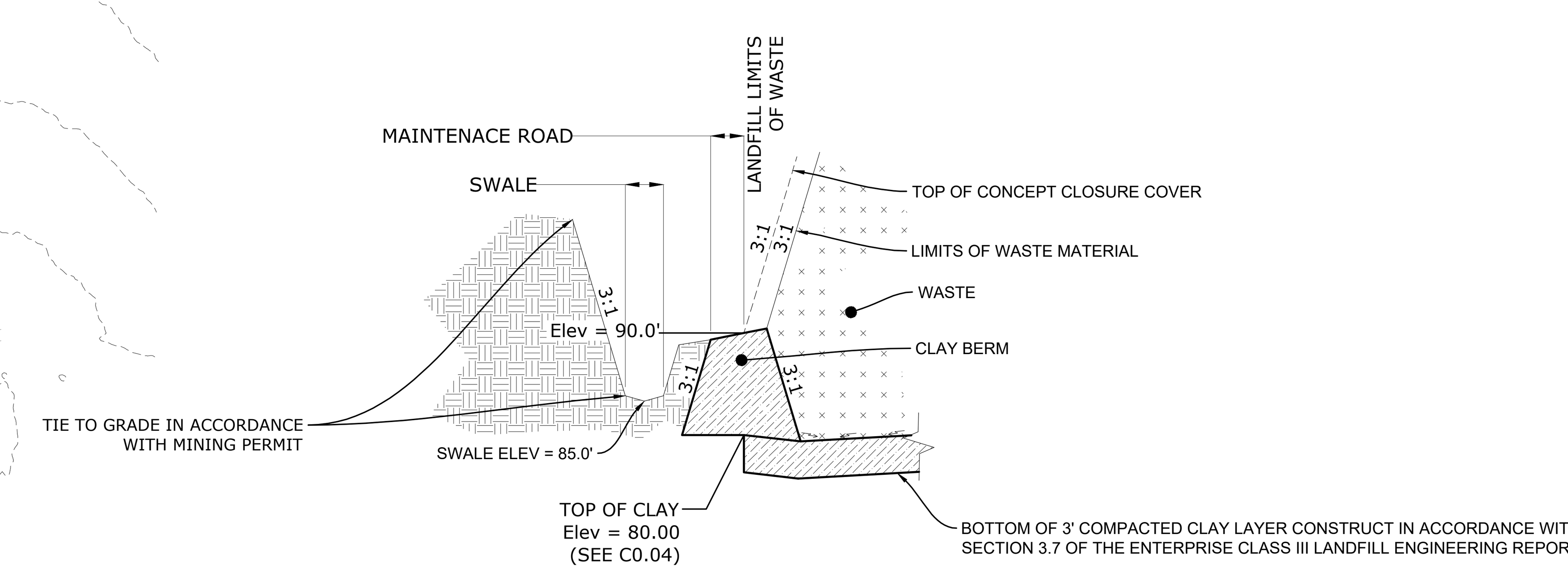
STORM SEWER STRUCTURE TABLE			
STRUCTURE NAME:	DETAILS:	NORTHING	EASTING
STORM SEWER STM - 1	LEACHATE COLLECTION WETWELL (SEE DETAIL ON C4.10) FINISH GRADE RIM EL = 91.92' INV IN = 74.98' 8" SDR 17 HDPE SOLID PIPE SUMP EL = 72.00' INV OUT = 88.50' 4" SCH 40 PVC FORCE MAIN	1,454,654.80	613,925.38
STORM SEWER STM - 2	8" PVC CLEANOUT FINISH GRADE RIM EL = 89.95' INV OUT = 79.47' 8" SDR 17 HDPE SOLID PIPE	1,454,629.15	612,432.13

NOTES:

1. CONTOURS REPRESENT TOP OF WASTE. FILL ELEVATIONS SHALL BE SUCH THAT FINAL COVER DESIGN ELEVATIONS SHALL BE ACHIEVED ON ALL SLOPES.
2. TOPOGRAPHIC SURVEY BY PICKETT SURVEYING & PHOTOGRAMMETRY, DATED 10/01/18.
3. PRIOR TO WASTE BEING DISPOSED IN CELL 16, BACKFILL THE CELL 17 TEMPORARY DIVERSION SWALE WITH COMPACTED CLAY TO DRAIN TO NORTH.
4. CELL 17 CLAY LAYER TO BE CONSTRUCTED IN ACCORDANCE WITH SECTION 3.7 OF ENTERPRISE CLASS III LANDFILL ENGINEERING REPORT.



1 C1.10 PROPOSED NORTH BERM DETAIL CELL 17
SCALE: N.T.S.



2 C1.10 PROPOSED WEST BERM DETAIL CELL 17
SCALE: N.T.S.

NO.	DATE	REVISION DESCRIPTION	BY
1	4/1/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB
2	5/15/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB

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Phone: 352.672.6867 Fax: 352.692.5390
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PROJECT TITLE:
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ENTERPRISE ROAD CLASS III
RECYCLING & DISPOSAL FACILITY
CELL 17 AND VERTICAL EXPANSION CONSTRUCTION PERMIT
DADE CITY, PASCO COUNTY, FLORIDA

LISA J BAKER LICENSE No. 74652 STATE OF FLORIDA PROFESSIONAL ENGINEER

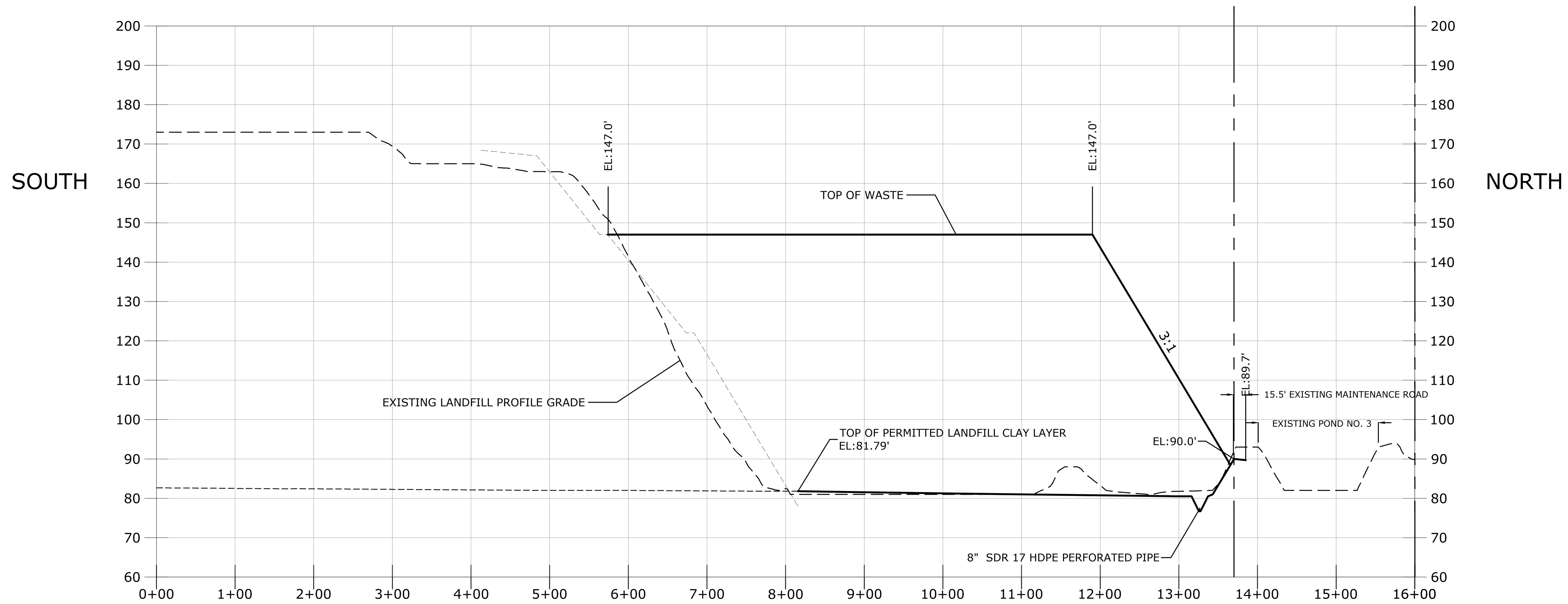
DESIGNED BY	LJB
DRAWN BY	MAF
CHECKED BY	JDL
APPROVED BY	LJB

SHEET TITLE:
PHASING PLAN SEQUENCE NO. 2

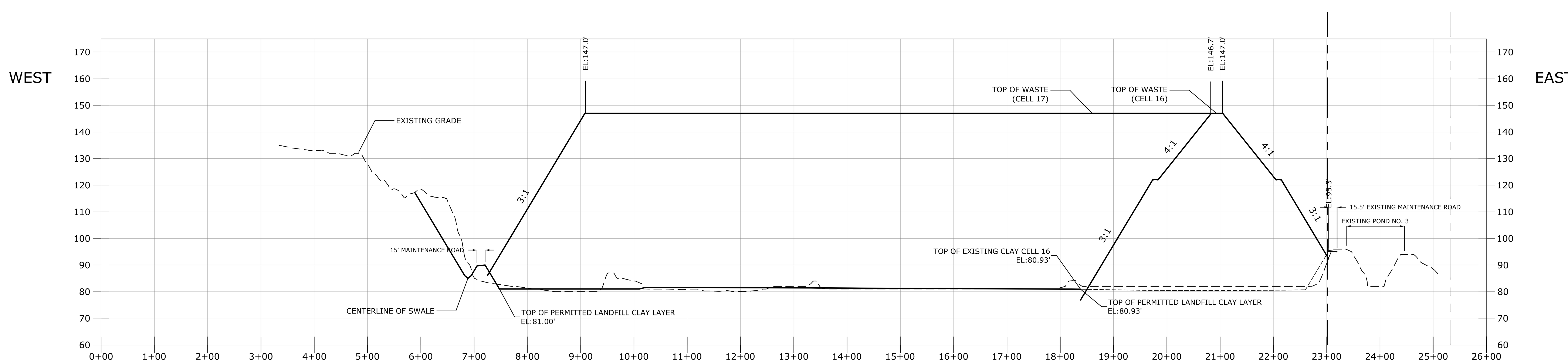
PROJECT NO.: 02000-217-17
SCALE: AS SHOWN
DATE: JANUARY 2019
DRAWING: C1.10

REVIEW ONLY-NOT FOR CONSTRUCTION

SCALES:
HORIZONTAL 1"=100'
VERTICAL 1"= 20'



SECTION A-A'
HORIZ: 1"=150'
VERT: 1"=5'



SECTION B-B'
HORIZ: 1"=150'
VERT: 1"=5'

NO.	DATE	REVISION DESCRIPTION	BY
1	4/1/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB
2	5/15/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB

Locklear & Associates
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Certificate of Authorization No. 30066

PROJECT TITLE:
PERMIT PLANS
ENTERPRISE ROAD CLASS III
RECYCLING & DISPOSAL FACILITY
CELL 17 AND VERTICAL EXPANSION CONSTRUCTION PERMIT
DADE CITY, PASCO COUNTY, FLORIDA

LISA J. BAKER LICENSE No. 74652 STATE OF FLORIDA PROFESSIONAL ENGINEER

DESIGNED BY	LJB
DRAWN BY	MAF
CHECKED BY	JDL
APPROVED BY	LJB

SHEET TITLE:
PHASING PLAN SEQUENCE NO. 2 SECTIONS

PROJECT NO.: 02000-217-17
SCALE: AS SHOWN
DATE: JANUARY 2019
DRAWING: C1.11

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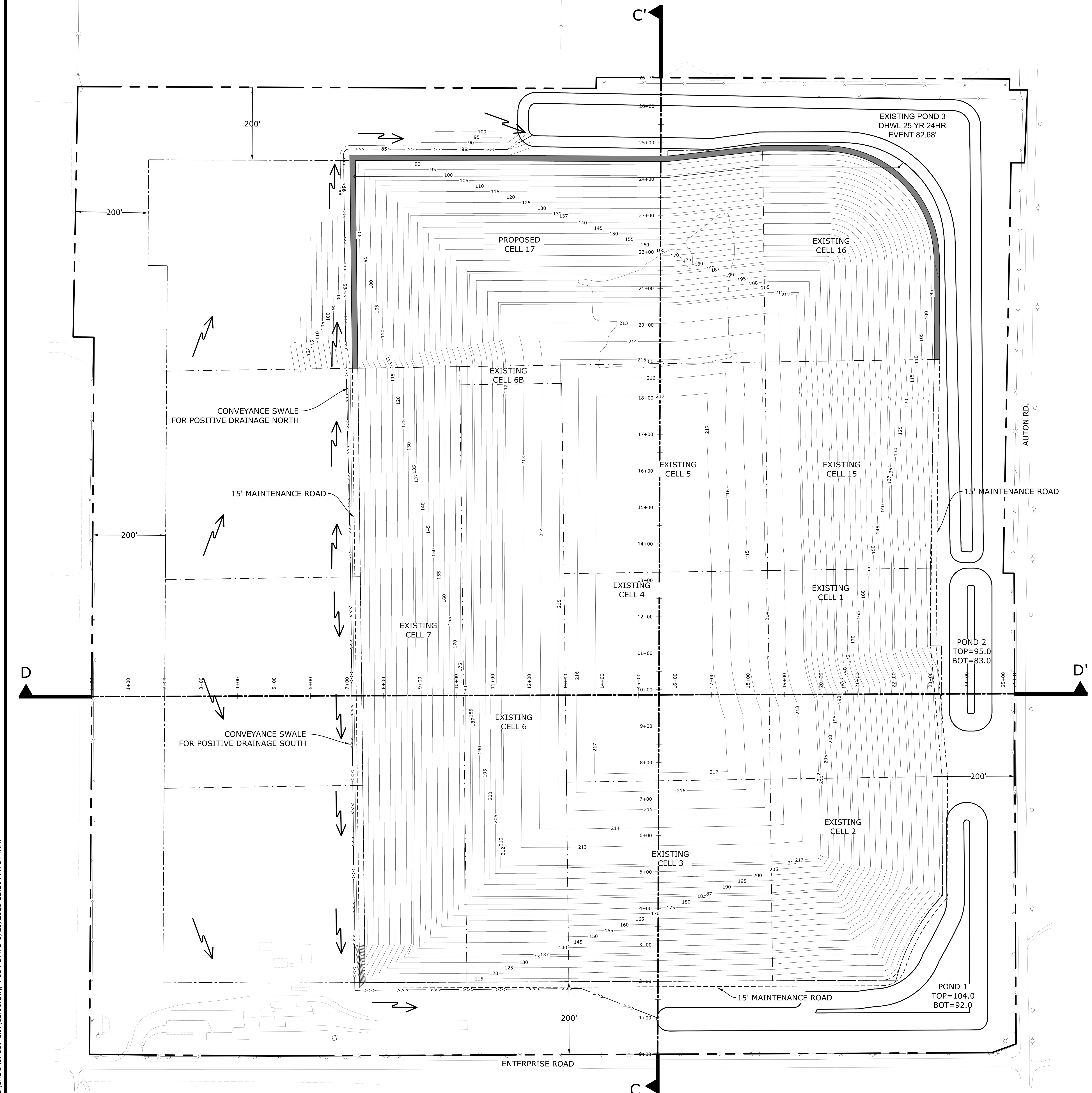

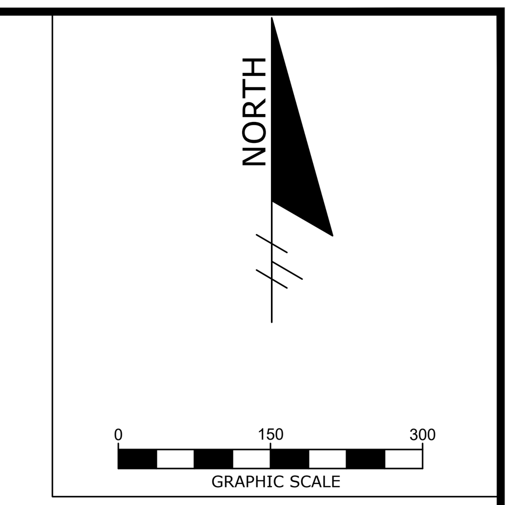

LEGEND

—x—x—	PERIMETER FENCE
— — —	PROPERTY BOUNDARY
—·—·—	LANDFILL FOOTPRINT (AT BUILD OUT)
—·—·—	LANDFILL CELLS
----90----	EXISTING CONTOURS
—>>—>>—>>—	CONVEYANCE SWALE
	DIRECTIONAL FLOW ARROW
10+00	CROSS SECTION STATIONS

NOTES:

1. CONTOURS REPRESENT TOP OF WASTE. FILL ELEVATIONS SHALL BE SUCH THAT FINAL COVER DESIGN ELEVATIONS SHALL BE ACHIEVED ON ALL SLOPES
2. PRIOR TO WASTE BEING DISPOSED IN PROPOSED CELLS, BACKFILL TEMPORARY DIVERSION SWALE WITH COMPACTED CLAY.
3. LANDFILL FINAL COVER PER DETAIL 3, SHEET C4.00.
4. TOPOGRAPHIC SURVEY BY PICKETT SURVEYING & PHOTOGRAMMETRY, DATED 10/01/18.
5. FINAL COVER CONSTRUCTION TO BE IN ACCORDANCE WITH SECTION 7.1 OF THE ENTERPRISE RECYCLING & DISPOSAL FACILITY RECLAMATION & CLOSURE PLAN.
6. THE FACILITY'S OVERALL STORMWATER MANAGEMENT SYSTEM IS GOVERNED BY THE MINING OPERATIONS AND ERP PERMITS. GRADES AND ELEVATION VARY BASED ONGOING MINING OPERATIONS AND TOPOGRAPHY. A DETAILED DESIGN THAT WILL TIE THE CONCEPTUAL CLOSURE PLAN INTO THE FACILITY'S STORMWATER MANAGEMENT SYSTEM WILL BE SUBMITTED AT THE TIME OF CLOSURE.

NO.	DATE	REVISION DESCRIPTION	BY
1	4/1/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB
2	5/15/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB

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4140 NW 37th Place, Suite A
Gainesville, Florida 32606
Phone: 352.672.6867 Fax: 352.692.5390
Certificate of Authorization No. 30066

PROJECT TITLE:
PERMIT PLANS
ENTERPRISE ROAD CLASS III
RECYCLING & DISPOSAL FACILITY
CELL 17 AND VERTICAL EXPANSION CONSTRUCTION PERMIT
DADE CITY, PASCO COUNTY, FLORIDA

LISA J BAKER LICENSE No. 74652 STATE OF FLORIDA PROFESSIONAL ENGINEER

DESIGNED BY	LJB
DRAWN BY	MAF
CHECKED BY	JDL
APPROVED BY	LJB

SHEET TITLE:
PHASING PLAN SEQUENCE NO. 3 OVERALL LANDFILL VERTICAL EXPANSION

PROJECT NO.: 02000-217-17
SCALE: AS SHOWN
DATE: JANUARY 2019
DRAWING: C2.00

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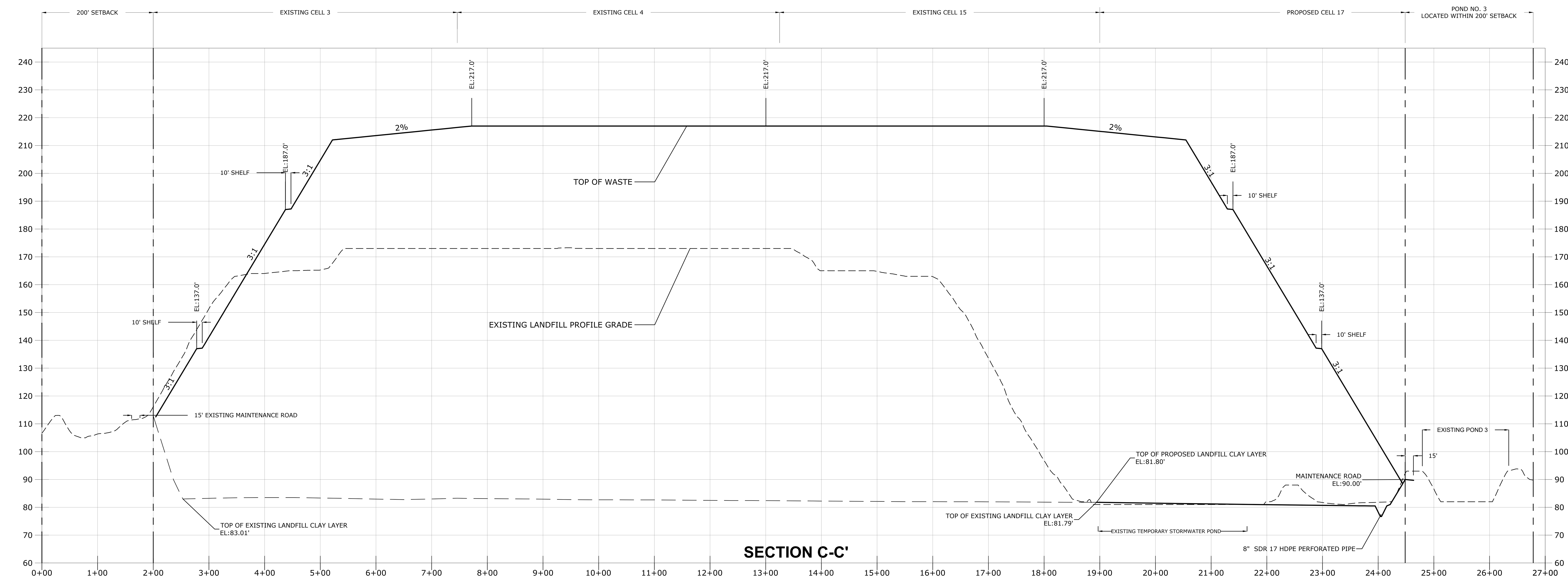
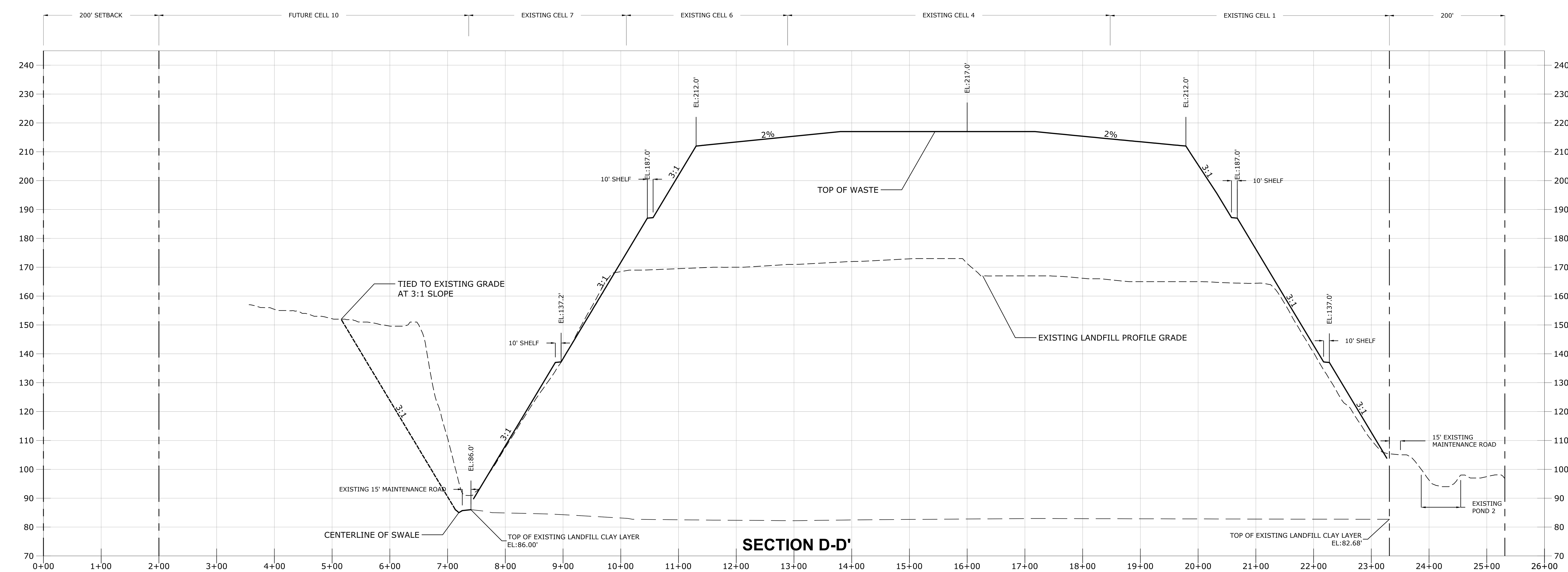
REVIEW ONLY-NOT FOR CONSTRUCTION

SCALES:
HORIZONTAL 1"=100'
VERTICAL 1"= 20'





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NO.	DATE	REVISION DESCRIPTION	BY
1	4/1/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB
2	5/15/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB

Locklear & Associates
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Certificate of Authorization No. 30066

PROJECT TITLE:
PERMIT PLANS
ENTERPRISE ROAD CLASS III
RECYCLING & DISPOSAL FACILITY
CELL 17 AND VERTICAL EXPANSION CONSTRUCTION PERMIT
DADE CITY, PASCO COUNTY, FLORIDA

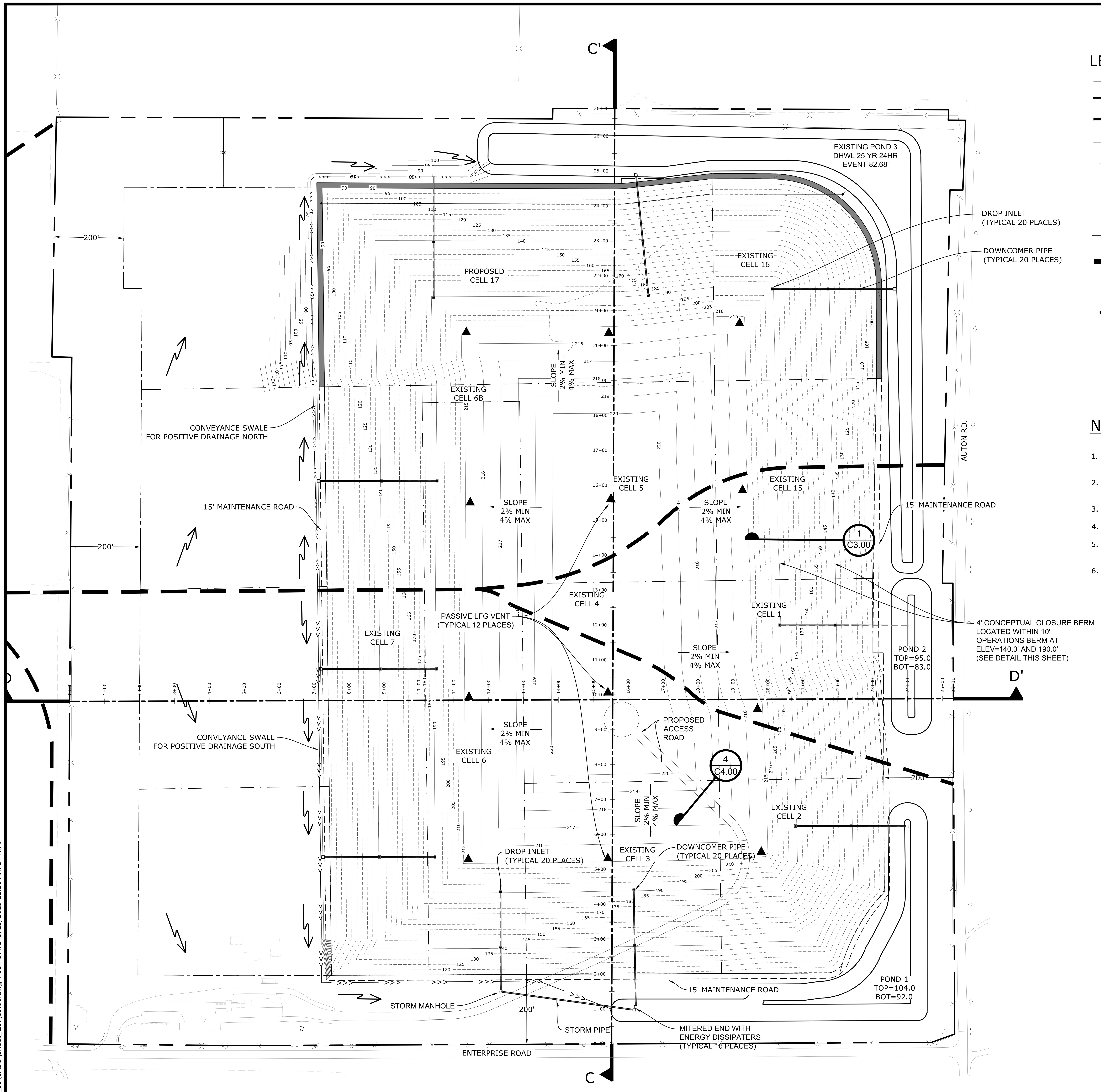
LISA J. BAKER LICENSE No. 74652 STATE OF FLORIDA PROFESSIONAL ENGINEER

DESIGNED BY	LJB
DRAWN BY	MAF
CHECKED BY	JDL
APPROVED BY	LJB

SHEET TITLE:
PHASING PLAN SEQ NO 3 OVERALL LANDFILL VERT EXPANSION SECT

PROJECT NO.: 02000-217-17
SCALE: AS SHOWN
DATE: JANUARY 2019
DRAWING: C2.10

REVIEW ONLY-NOT FOR CONSTRUCTION

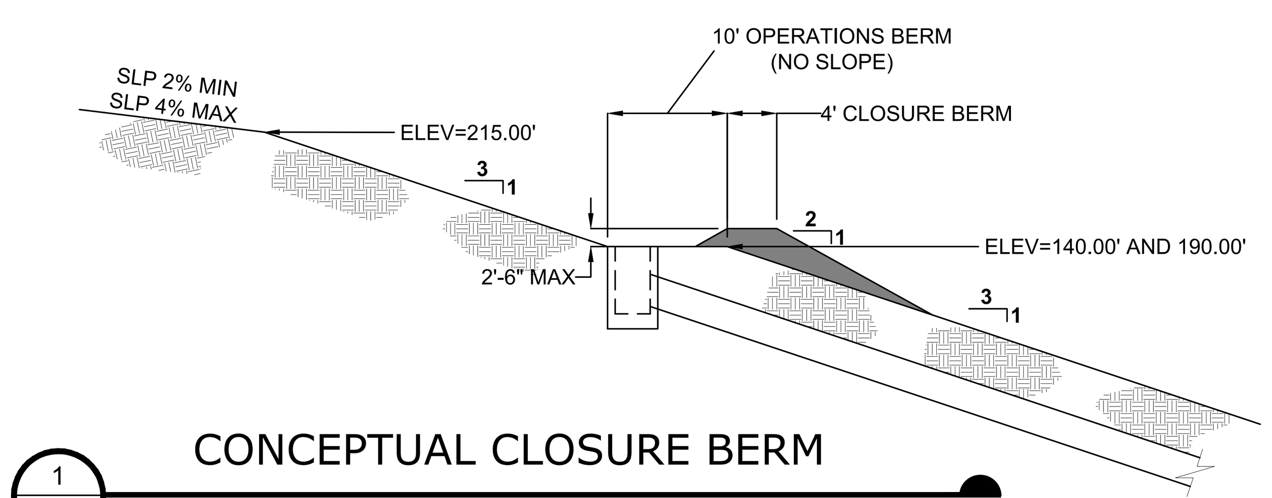


LEGEND

- PERIMETER FENCE
- PROPERTY BOUNDARY
- LANDFILL FOOTPRINT (AT BUILD OUT)
- LANDFILL CELLS
- EXISTING CONTOURS
- DIRECTIONAL FLOW ARROW
- 10+00 CROSS SECTION STATIONS
- CONVEYANCE SWALE
- DRAINAGE DIVIDE
- PASSIVE LFG VENT
- STORMWATER CONVEYANCE SYSTEM (DOWNCOMER PIPE; DROP INLET; MITERED END WITH ENERGY DISSIPATERS)

NOTES:

1. CONTOURS REPRESENT FINAL COVER. FILL ELEVATIONS SHALL BE SUCH THAT FINAL COVER DESIGN ELEVATIONS SHALL BE ACHIEVED ON ALL SLOPES
2. PRIOR TO WASTE BEING DISPOSED IN PROPOSED CELLS, BACKFILL TEMPORARY DIVERSION SWALE WITH COMPACTED CLAY.
3. LANDFILL FINAL COVER PER DETAIL 3, SHEET C4.00.
4. TOPOGRAPHIC SURVEY BY PICKETT SURVEYING & PHOTOGRAMMETRY, DATED 10/01/18.
5. FINAL COVER CONSTRUCTION TO BE IN ACCORDANCE WITH SECTION 7.1 OF THE ENTERPRISE RECYCLING & DISPOSAL FACILITY RECLAMATION & CLOSURE PLAN.
6. THE FACILITY'S OVERALL STORMWATER MANAGEMENT SYSTEM IS GOVERNED BY THE MINING OPERATIONS AND ERP PERMITS. GRADES AND ELEVATION VARY BASED ONGOING MINING OPERATIONS AND TOPOGRAPHY. A DETAILED DESIGN THAT WILL TIE THE CONCEPTUAL CLOSURE PLAN INTO THE FACILITY'S STORMWATER MANAGEMENT SYSTEM WILL BE SUBMITTED AT THE TIME OF CLOSURE.



CONCEPTUAL CLOSURE BERM

1 C3.00 SCALE: N.T.S.

NO.	DATE	REVISION DESCRIPTION	BY
1	4/1/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB
2	5/15/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB

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CELL 17 AND VERTICAL EXPANSION CONSTRUCTION PERMIT
DADE CITY, PASCO COUNTY, FLORIDA

LISA J. BAKER LICENSE No. 74652 STATE OF FLORIDA PROFESSIONAL ENGINEER

DESIGNED BY	LJB
DRAWN BY	MAF
CHECKED BY	JDL
APPROVED BY	LJB

SHEET TITLE:
PHASING PLAN SEQUENCE NO. 4 CONCEPTUAL CLOSURE

PROJECT NO.: 02000-217-17
SCALE: AS SHOWN
DATE: JANUARY 2019
DRAWING: C3.00

REVIEW ONLY-NOT FOR CONSTRUCTION

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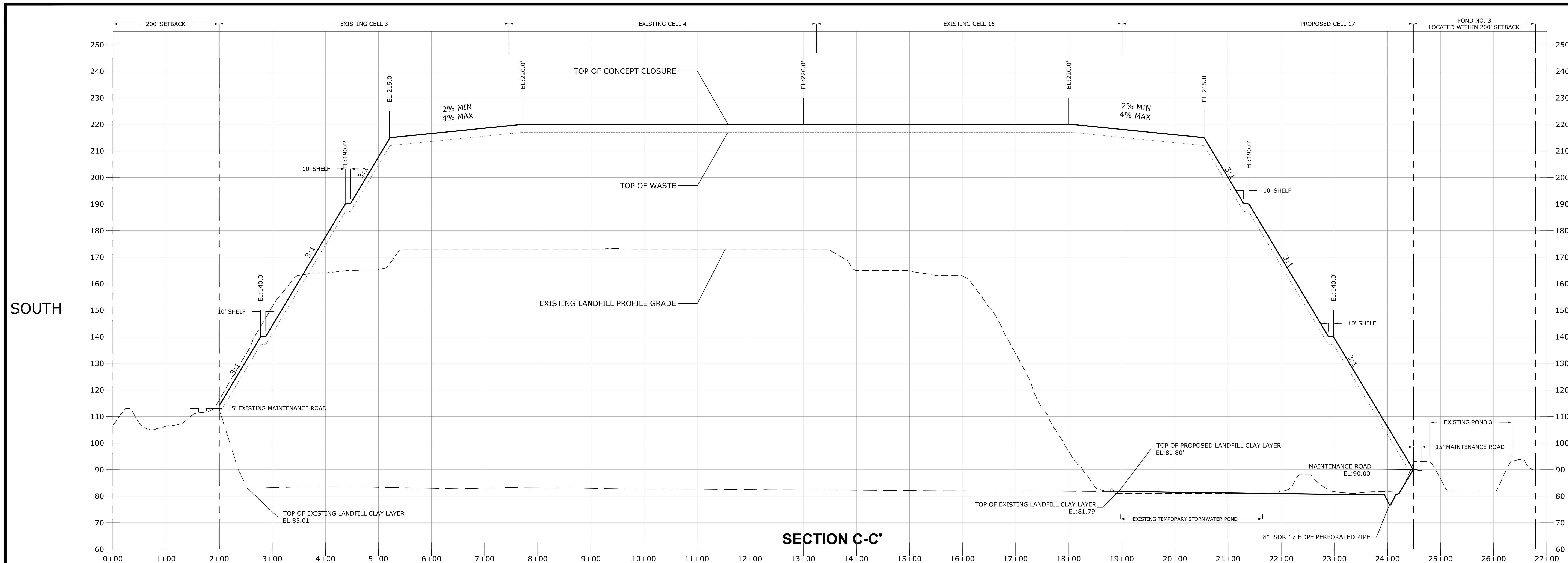
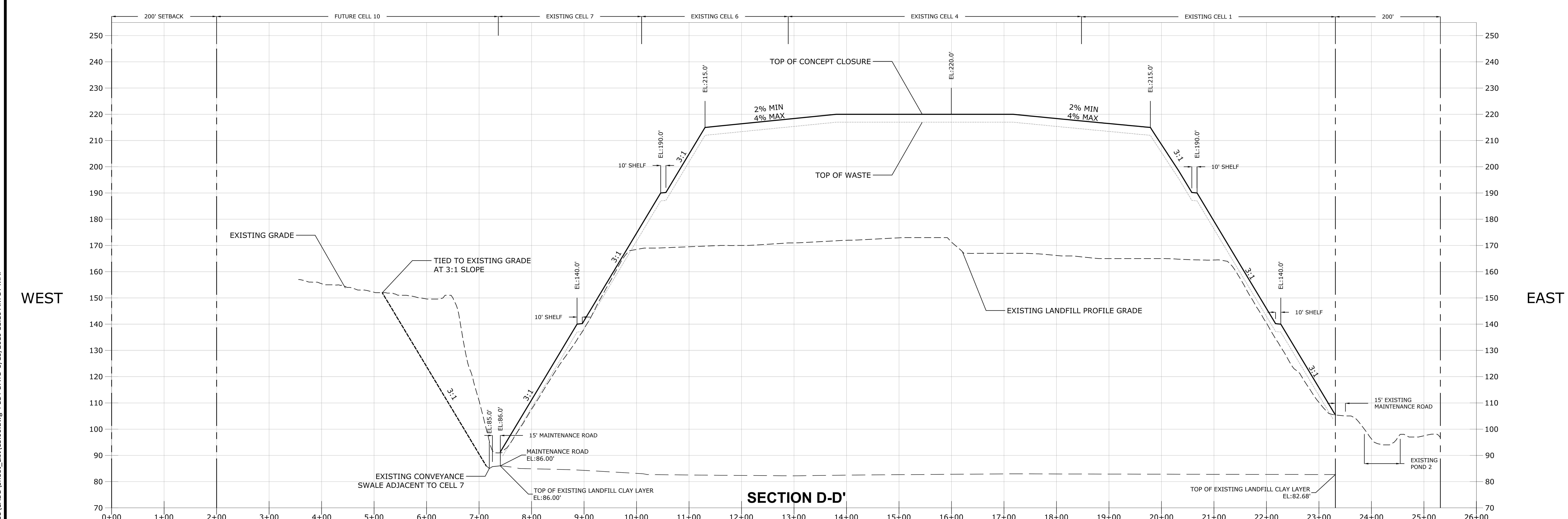
SCALES:
HORIZONTAL 1"=100'
VERTICAL 1"= 20'





NO.	DATE	REVISION DESCRIPTION	BY
1	4/1/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB
2	5/15/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB

Locklear & Associates
4140 NW 37th Place, Suite A
Gainesville, Florida 32606
Phone: 352.672.6867 Fax: 352.692.5390
Certificate of Authorization No. 30066

PROJECT TITLE:
PERMIT PLANS
ENTERPRISE ROAD CLASS III
RECYCLING & DISPOSAL FACILITY
CELL 17 AND VERTICAL EXPANSION CONSTRUCTION PERMIT
DADE CITY, PASCO COUNTY, FLORIDA

LISA J. BAKER LICENSE No. 74652 STATE OF FLORIDA PROFESSIONAL ENGINEER

DESIGNED BY	LJB
DRAWN BY	MAF
CHECKED BY	JDL
APPROVED BY	LJB

SHEET TITLE:
PHASING PLAN SEQUENCE NO. 4 CONCEPTUAL CLOSURE SECTIONS

PROJECT NO.: 02000-217-17
SCALE: AS SHOWN
DATE: JANUARY 2019
DRAWING: C3.10

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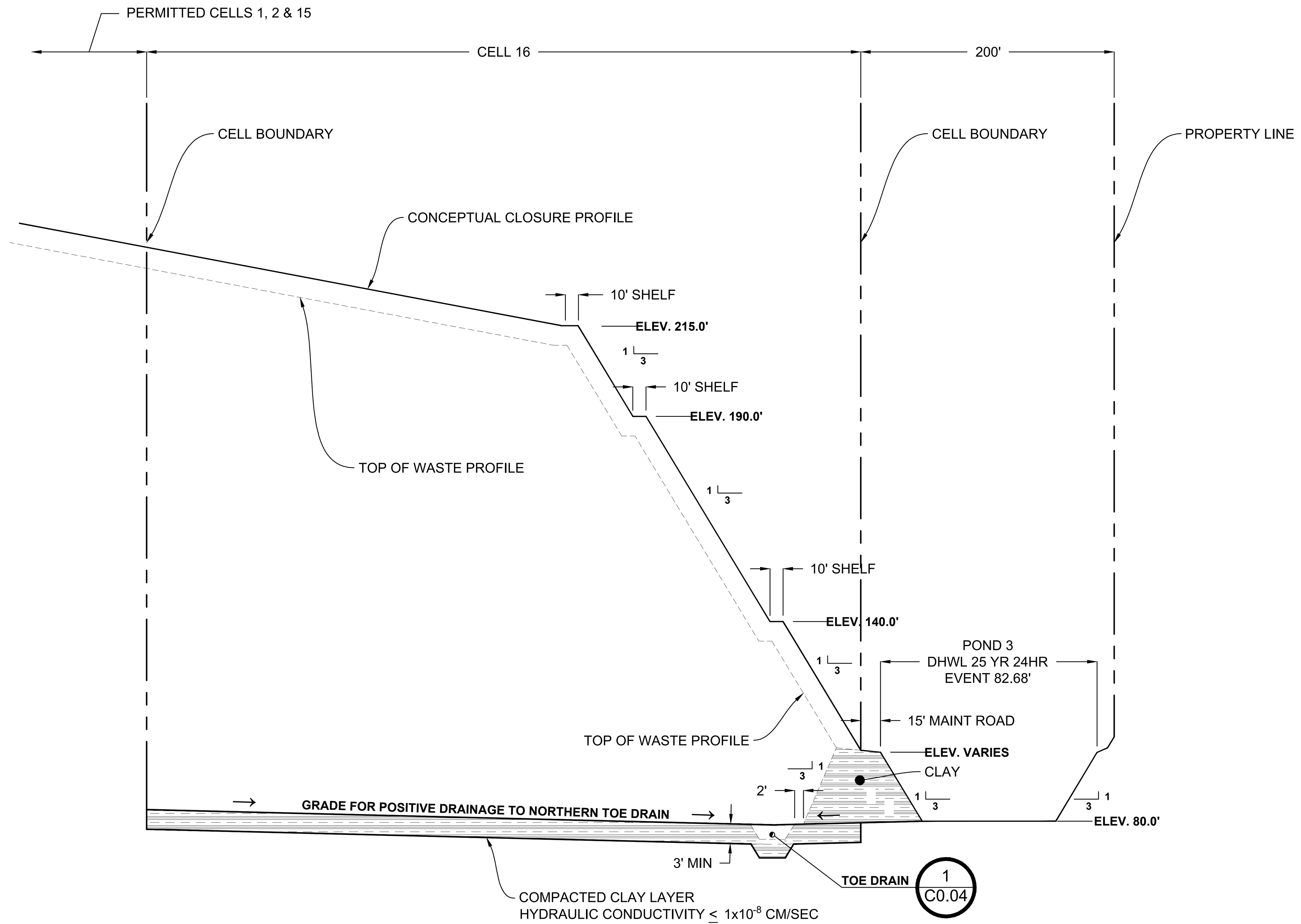
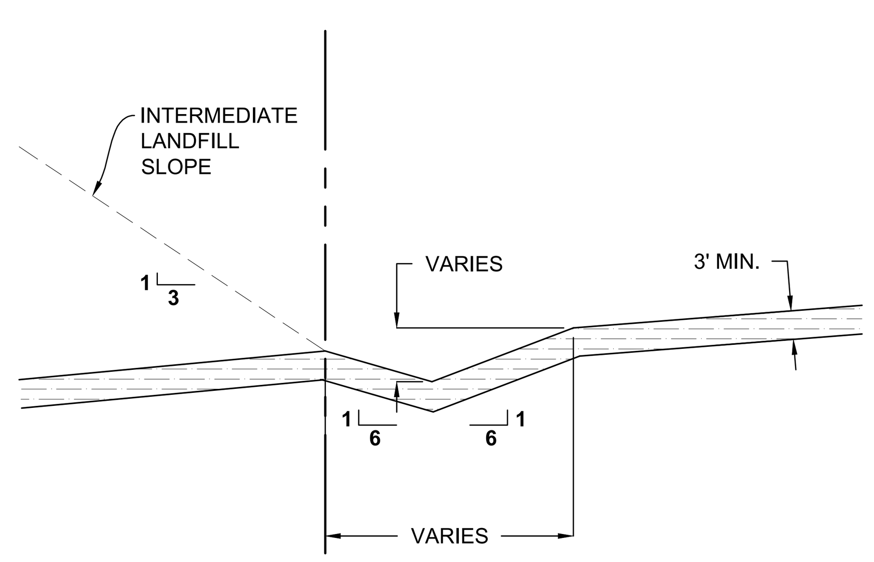
REVIEW ONLY-NOT FOR CONSTRUCTION



1 C4.00 TYPICAL DISPOSAL AREA DETAIL CELLS 16 & 17

SCALE: N.T.S.

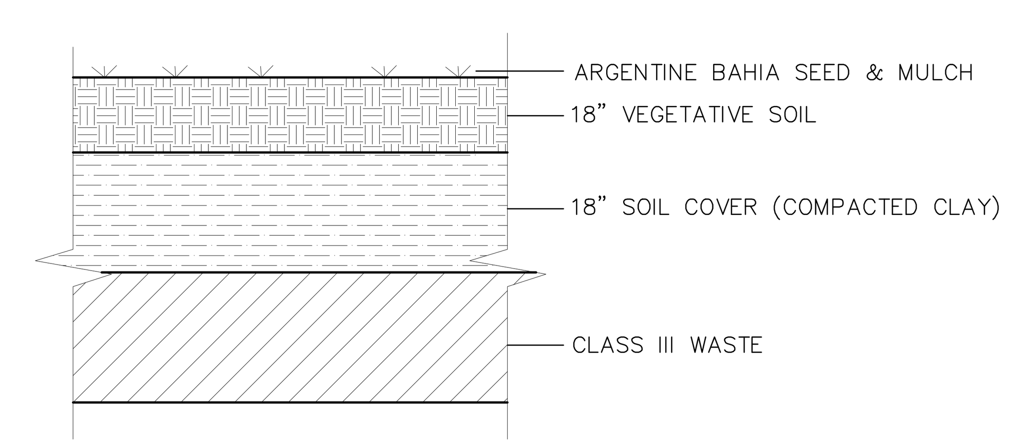


NOTES:

1. FOR CELL 17 THE TEMPORARY DIVERSION SWALE IS CONSTRUCTED PRIOR TO WASTE ACCEPTANCE WITHIN CELL.
2. PRIOR TO WASTE BEING DISPOSED OF ON THE PREVIOUS INTERMEDIATE SLOPE THE TEMPORARY SWALE IS BACKFILLED AND COMPACTED WITH CLAY TO PROVIDE A CONTINUOUS CLAY BARRIER LAYER.
3. CLAY BARRIER LAYER TO BE CONSTRUCTED IN ACCORDANCE WITH SECTION 3.7 OF THE ENTERPRISE CLASS III LANDFILL ENGINEERING REPORT.
4. STEP BACK AND SCARIFY EXISTING CLAY LAYER IN 12" LIFTS PRIOR TO CONSTRUCTION NEW CLAY LAYER ADJACENT TO EXISTING.
5. FINAL COVER CONSTRUCTION TO BE IN ACCORDANCE WITH SECTION 7.1 OF THE ENTERPRISE RECYCLING & DISPOSAL FACILITY RECLAMATION & CLOSURE PLAN.

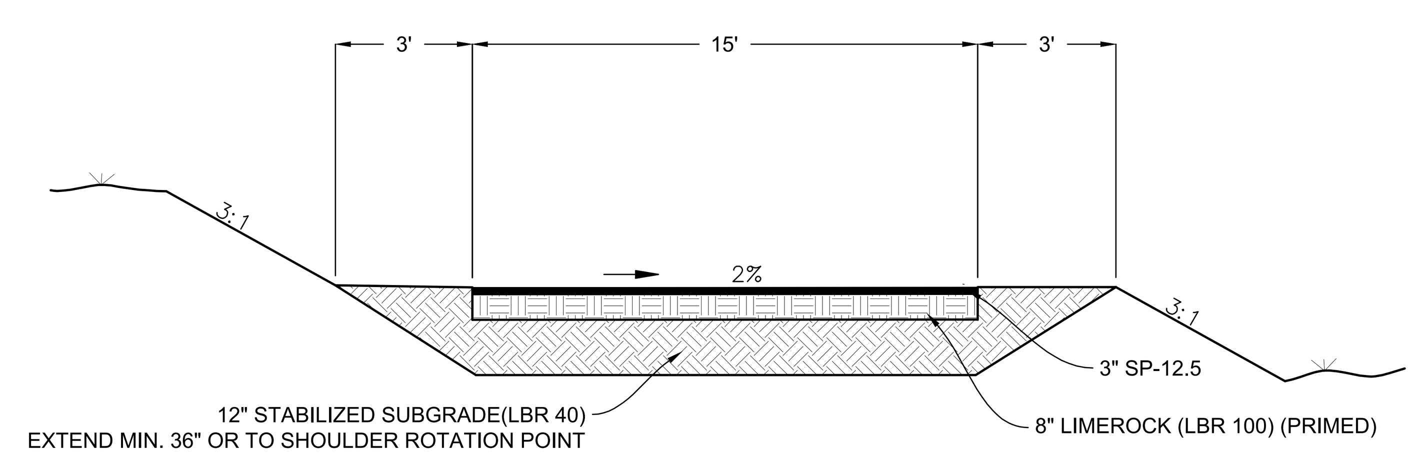
2 C4.00 TEMPORARY STORMWATER DIVERSION SWALE DETAIL

SCALE: N.T.S.



3 C4.00 TYPICAL FINAL COVER

SCALE: N.T.S.



4 C4.00 ACCESS ROAD TYPICAL SECTION

SCALE: N.T.S.

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NO.	DATE	REVISION DESCRIPTION	BY
1	4/1/2019	RAI 1 SUPPLEMENTAL INFORMATION	LJB
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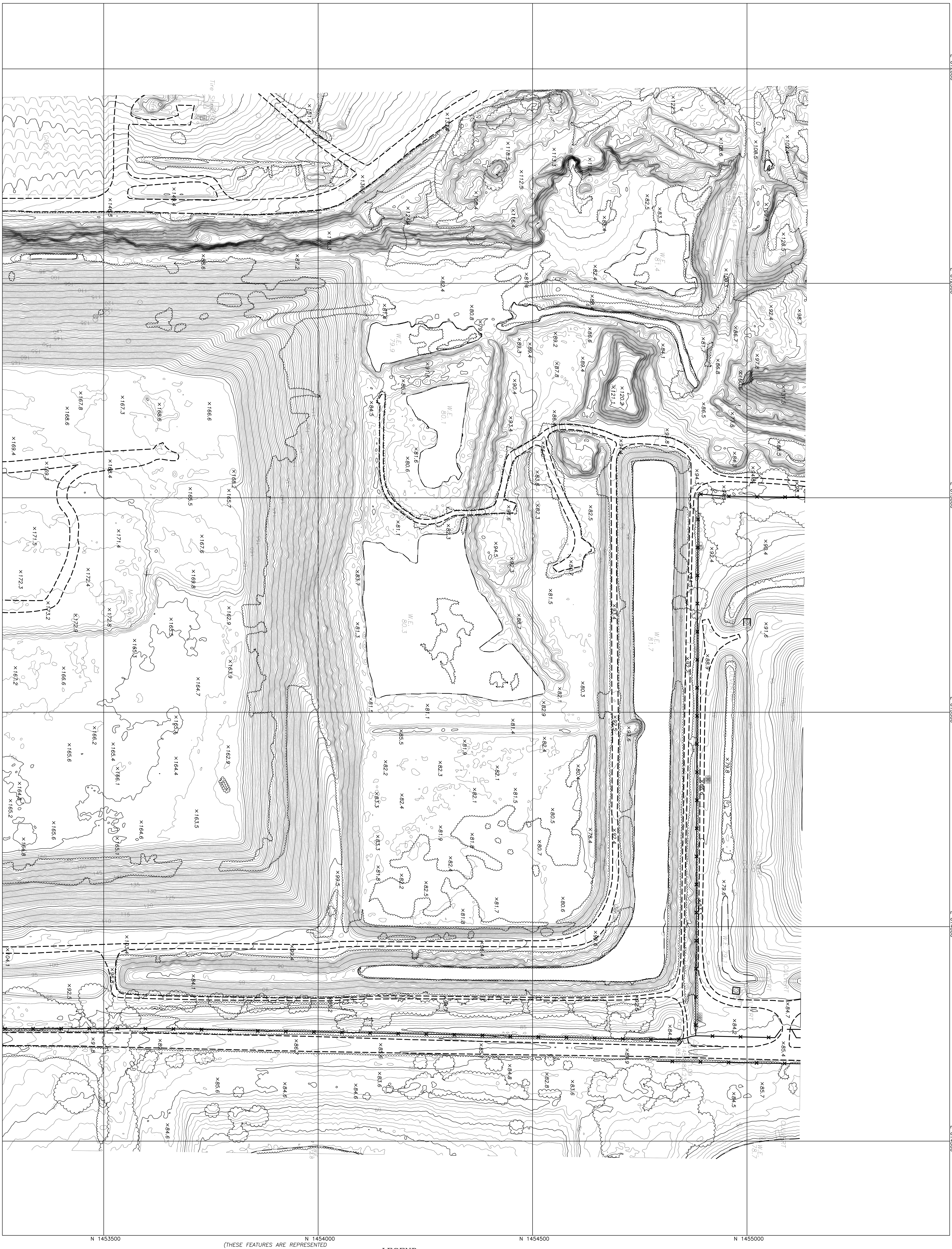
DESIGNED BY	LJB
DRAWN BY	MAF
CHECKED BY	JDL
APPROVED BY	LJB

SHEET TITLE:
CLOSURE DETAILS

PROJECT NO.: 02000-217-17
SCALE: AS SHOWN
DATE: JANUARY 2019
DRAWING: C4.00

REVIEW ONLY-NOT FOR CONSTRUCTION



SURVEYOR's NOTES:

1.) North, the grid, and the coordinates shown hereon are referenced to the West Zone of the Florida State Plane Coordinate System, NAD 83, 1990 adjustment

2.) Elevations are to National Geodetic Vertical Datum of 1929.

3.) This topographic survey was prepared using photogrammetric and LiDAR methods. See the attached report for map accuracy and surveyor's signature and seal. This map is limited to those features visible on aerial imagery.

(THESE FEATURES ARE REPRESENTED BY SYMBOLS NOT TO SCALE)

- CONTROL
- PT# TARGET NUMBER
- N NORTHING
- E EASTING
- EL ELEVATION
- UTILITY POLE
- LIGHT POLE
- TRAFFIC LIGHT
- SIGN
- POST
- FLAG
- MAIL BOX
- GUYWIRE
- CATCH BASIN
- VALVE
- ELECTRICAL
- AIR CONDITIONER
- MISCELLANEOUS SYMBOL
- CULVERT
- MANHOLE
- HYDRANT
- TREE
- PALM
- SHRUB

LEGEND:

(THESE FEATURES ARE TO SCALE)

- CURB
- PAVED ROAD
- CONCRETE SURFACE
- UNPAVED ROAD
- FENCE
- GUARDRAIL
- WALL
- RAILROAD
- STRUCTURE
- TREE LINE
- SHRUB LINE
- PIPELINE
- RECREATION
- EDGE OF GROVE
- EDGE OF WATER

(THESE INFORMATIVE LABELS ARE NOT SCALE DEPENDENT)

- W.E. WATER ELEVATION
- ×120.1 SPOT ELEVATION
- MISC MISCELLANEOUS

NORTH

1
2

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

ACCURACY STATEMENT: The following stated plus or minus tolerances encompass a minimum of 90% of the difference between photogrammetrically measured values and ground truth of all well-identified features. Mapped features meet or exceed the Florida Standards of Practice.

VERTICAL: Contours have been measured to an estimated vertical positional accuracy of 0.5'. Spot elevations and well-identified features have been measured to an estimated vertical positional accuracy of 0.25'

HORIZONTAL: Well-identified features have been measured to an estimated horizontal positional accuracy of 1.66'.

MAP PLOTTING: This map is intended to be displayed at a scale of 1" = 50' (1:600) or smaller.

MEASUREMENT METHODS: This map is limited to those features visible on aerial imagery.

LIMITATIONS: This mapping should be used for preliminary design work only and should not replace an actual field survey where the required accuracy is greater than the accuracy stated in this report. No responsibility is assumed for areas outside the contracted scope.

9/17/18
T. JEFFREY YOUNG, PSM, CP — SURVEY DATE
FLORIDA REGISTRATION NO. 5440
PICKETT AND ASSOCIATES, INC.

No.	DATE	APPROVED	REVISION
O.R.	10/1/18	TJY	ORIGINAL RELEASE

PICKETT
SURVEYING • ENGINEERING
PICKETT AND ASSOCIATES, INC.
475 SOUTH FIRST AVENUE BARTOW, FLORIDA 33830
PHONE: (863)-533-9095
FAX: (863)-534-1464
LICENSED BUSINESS No. LB364

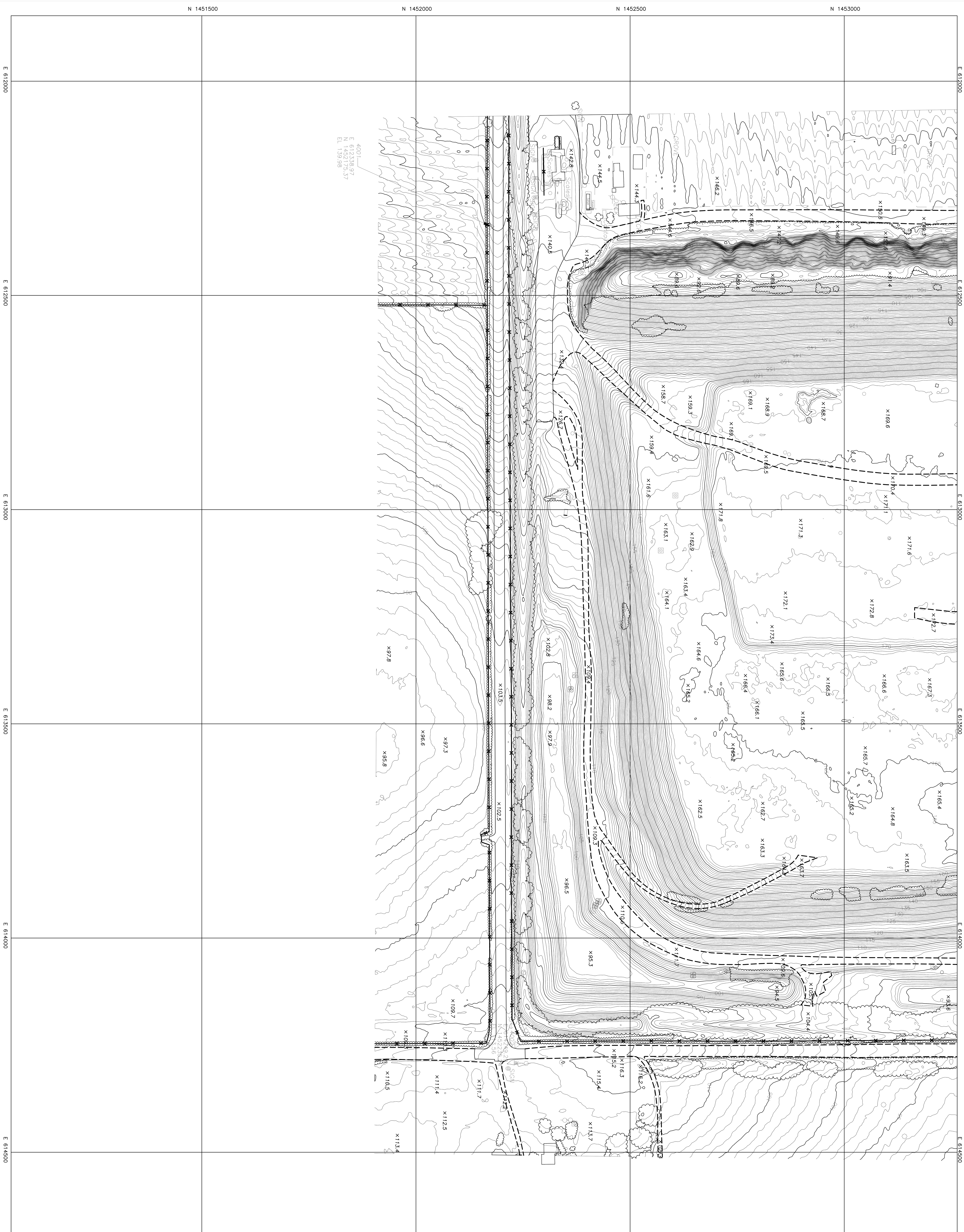
Horiz. Scale: 1" = 100' | Edited by: RP | Compiled by: PL | Flight Date: 9/17/18
Contour Interval: 1' | Drawing Name: 14094-9.DWG

TOPOGRAPHIC SURVEY

ENTERPRISE ROAD LANDFILL

PREPARED FOR: ANGELO'S RECYCLED MATERIALS

PROJECT No. 14094-9
DRAWING No. LD-6398
No. 1 OF 2



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LEGEND:

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- EDGE OF GROVE
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(THESE INFORMATIVE LABELS ARE NOT SCALE DEPENDENT)

- W.E. WATER ELEVATION
- × 120.1 SPOT ELEVATION
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1
2

NORTH

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THIS MAP AND ATTACHED REPORT ARE NOT FULL AND COMPLETE WITHOUT THE OTHER AND ARE NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

SEE PAGE 1 FOR THE SIGNATURE AND THE ORIGINAL RAISED SEAL

No.	DATE	APPROVED	REVISION
O.R.	10/1/18	TJY	ORIGINAL RELEASE

TOPOGRAPHIC SURVEY

ENTERPRISE ROAD LANDFILL

PREPARED FOR: ANGELO'S RECYCLED MATERIALS

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Horiz. Scale: 1" = 100' | Edited by: RP | Compiled by: PL | Flight Date: 9/17/18
Contour Interval: 1' | Drawing Name: 14094-9.DWG

PROJECT No. 14094-9 | No. 2 OF 2
DRAWING No. LD-6398