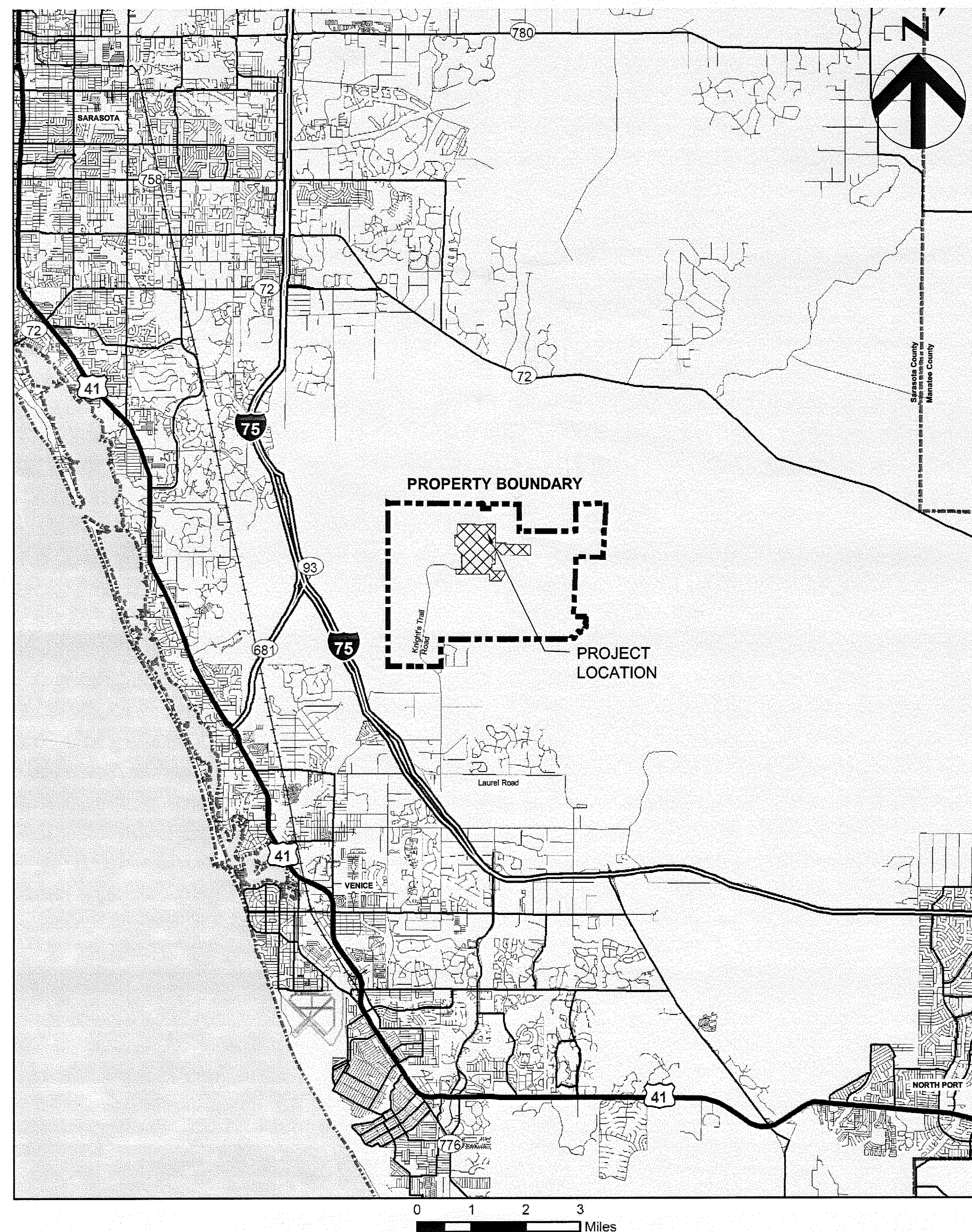




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Permit Drawings For

# Phase I Class I Landfill Closure

## Central County Solid Waste Disposal Complex

Project No. 001916-125174-002

Sarasota County, Florida  
CIP No. 95206

Issued for Permit  
APRIL 2010

REVISED FOR RAI #1  
JULY 2010

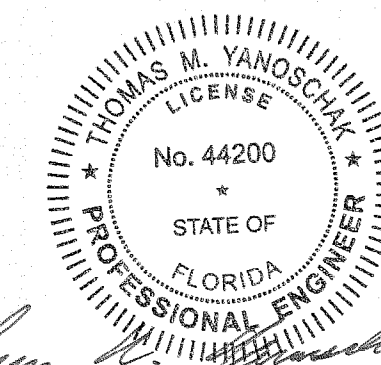
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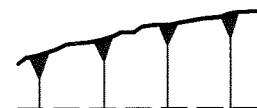

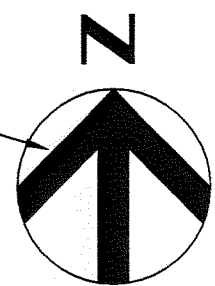


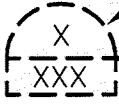
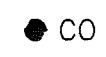

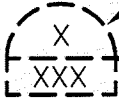


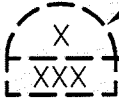







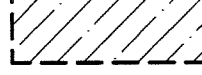


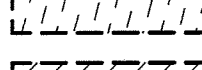


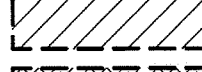





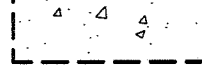










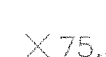


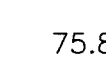



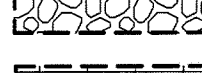

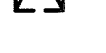
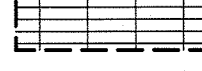




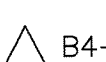
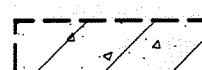


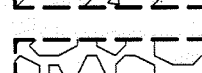

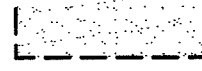

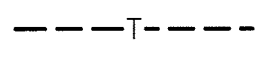
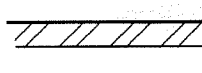

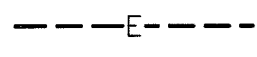


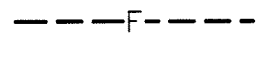


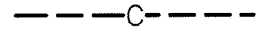
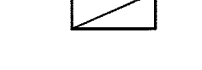


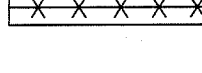


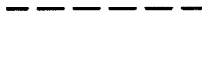

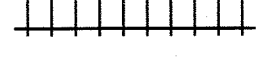


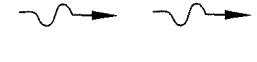


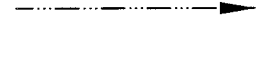










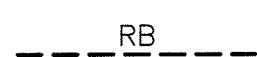





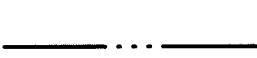

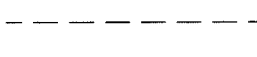







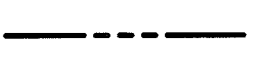



*Thomas M. Yanoschak* 2/15/10

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FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
JUL 16 2010  
SOUTHWEST DISTRICT  
TAMPA

SHEET  
00G-01



| ENGINEERING SYMBOLOGY  |   | GENERAL SYMBOLOGY   |  | ABBREVIATIONS   |  | GENERAL NOTES |  |
|--|---|---|--|---|--|---------------|--|
|                           | EMBANKMENT SLOPE                        |    | EXISTING ELEVATION CONTOUR                       |  |  |               |  |
|                           | VEGETATION (SIZE)                       |    | PROPOSED ELEVATION CONTOUR                       |  | <p>ARROW INDICATES DIRECTION OF PLAN NORTH</p> <p><b>PLAN</b><br/>1/4" = 1'-0"<br/><b>PLAN TITLE</b></p>   |               |  |
|                           | CLEANOUT                                |    | LIMITS OF PROPOSED LINER                         |  | <p>SECTION LETTER</p> <p>FLAG INDICATES DIRECTION OF SECTION CUT</p> <p>SHEET WHERE SECTION IS LOCATED *</p> <p><b>SECTION CUT MARKER</b></p>                              |               |  |
|                           | MANHOLE                                 |    | APPROXIMATE LIMITS OF EXISTING LINER             |  | <p>SECTION LETTER</p> <p>SHEET WHERE SECTION VIEW IS FIRST CUT *</p> <p><b>SECTION</b><br/>3/8" = 1'-0"<br/><b>SECTION TITLE</b></p>                                       |               |  |
|                           | GROUNDWATER MONITORING WELL             |    | ASPHALT (PLAN OR SMALL-SCALE SECTION)            |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL IS LOCATED *</p> <p><b>DETAIL MARKER</b></p>  |               |  |
|                           | PIEZOMETER                              |    | ASPHALT (LARGE-SCALE SECTION)                    |  | <p>FOR REFERENCING DETAILS INCLUDED IN DRAWING SET.</p> <p><b>DETAIL MARKER</b></p>  |               |  |
|                           | WATER SUPPLY WELL                       |    | PROTECTIVE COVER SOIL                            |  | <p>FOR REFERENCING DETAILS BOUND IN SPECIFICATIONS OR SEPARATE VOLUME.</p> <p><b>DETAIL MARKER</b></p>   |               |  |
|                           | LEACHATE MONITORING POINT               |    | INITIAL COVER                                    |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                           | STORMWATER MONITORING STATION           |    | INTERMEDIATE COVER                               |  | <p>* FOR COMMON DETAILS AND SECTIONS OR DETAILS THAT ARE CUT OR CALLED OUT ON MULTIPLE SHEETS, THE SHEET NUMBER IS REPLACED BY A DASH (-).</p> <p><b>DETAIL MARKER</b></p> |               |  |
|                           | GAS PROBE                               |    | CHECKERED PLATE (PLAN)                           |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                           | UTILITY VAULT                           |    | CONCRETE (PLAN AND/OR SECTION)                   |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                           | POWER POLE                              |    | CONCRETE MASONRY (PLAN AND/OR SECTION)           |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                           | TELEPHONE POLE                          |    | SOLID WASTE (SECTION)                            |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                           | FIRE HYDRANT                            |    | FABRIC-FORMED CONCRETE (PLAN)                    |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                           | YARD HYDRANT                            |    | FABRIC-FORMED CONCRETE (SECTION)                 |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                           | EXISTING SPOT ELEVATION                 |    | FINISHED WOOD (SECTION)                          |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                           | FINISHED SPOT ELEVATION                 |    | GRANULAR FILL (SECTION)                          |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                           | HORIZONTAL CONTROL POINT OR BENCHMARK   |    | GRATING (PLAN)                                   |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                           | DOWNGUY                                 |    | GROUT (SECTION)                                  |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                           | SWAMP OR WETLANDS                       |    | PRECAST CONCRETE (PLAN AND/OR SECTION)           |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                           | SURFACE WATER MONITORING STATION        |   | RIPRAP OR RUBBLE (PLAN AND/OR SECTION)           |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
| <b>NOTES:</b><br>1. UTILITIES THAT ARE SUSPENDED ABOVE GRADE ARE DESIGNATED BY THE PREFIX "OH" (OVERHEAD). |   |  | SAND (SECTION)                                   |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                           | TELEPHONE LINE                          |  | TOPSOIL (SECTION)                                |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                          | ELECTRIC LINE                           |  | SOD OR GRASS (SECTION)                           |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                         | FIBER OPTIC                             |  | WOOD - CONTINUOUS (SECTION)                      |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                         | COMMUNICATION                           |  | WOOD BLOCKING (SECTION)                          |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                         | PIPELINE                                |  | GEOSYNTHETIC DRAINAGE LAYER (SECTION)            |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                         | LARGE PIPELINE                          |  | GEOMEMBRANE (SECTION)                            |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                         | RAILROAD                                |  | GEOTEXTILE (SECTION)                             |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                         | DRAINAGE FLOW                           |  | 20 MIL POLYETHYLENE RAIN COVER                   |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                         | NATURAL WATERWAY                        |  | 40 MIL GEOMEMBRANE (LLDPE TEXTURED/SMOOTH)       |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                         | CHAIN LINK FENCE                        |  | 60 MIL GEOMEMBRANE (HDPE TEXTURED)               |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                         | FIELD FENCE                             |  | LEACHATE FORCE MAIN TO OFFSITE WWTP (SEE NOTE 4) |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                         | PROPERTY BOUNDARY                       |   |  |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                         | CENTERLINE                              |   |  |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                         | ROCK BERM                               |   |  |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                         | SILT FENCE                              |   |  |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                         | LIMITS OF CONSTRUCTION                  |   |  |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                         | WATERWAY                                |   |  |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                         | LIMITS OF EASEMENT                      |   |  |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                         | EASEMENT CENTERLINE                     |   |  |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                         | CONSTRUCTION TRAFFIC ROUTE (SEE NOTE 5) |   |  |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                         | EXISTING ROADWAY                        |   |  |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                         | PHASE LIMITS                            |   |  |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |
|                         | ROW                                     |   |  |  | <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL WAS CALLED OUT</p> <p><b>DETAIL</b><br/>3" = 1'-0"<br/><b>DETAIL TITLE</b></p>  |               |  |

|   |  |
|---|--|
| APPROX - APPROXIMATE, APPROXIMATELY                   |  |
| BLDG - BUILDING                                       |  |
| BTM - BOTTOM  |  |
| CB - CATCH BASIN                                      |  |
| CM - CONCRETE MONUMENT                                |  |
| CONC - CONCRETE                                       |  |
| CONT - CONTINUOUS                                     |  |
| CORR - CORRUGATED                                     |  |
| DET - DETAIL  |  |
| DIA - DIAMETER  |  |
| DIM - DIMENSION                                       |  |
| DWG - DRAWING   |  |
| EA - EACH   |  |
| EOL - EDGE OF LINER                                   |  |
| ETC - ET CETERA                                       |  |
| ENCL - ENCLOSE, ENCLOSURE                             |  |
| EL - ELEVATION  |  |
| EQUIP - EQUIPMENT                                     |  |
| EXIST - EXISTING                                      |  |
| FDEP - FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION |  |
| FDOT - FLORIDA DEPARTMENT OF TRANSPORTATION           |  |
| FES - FINISHED END SECTION                            |  |
| FIN - FINISHED  |  |
| FM - FORCE MAIN                                       |  |
| GALV - GALVANIZED                                     |  |
| GCL - GEOSYNTHETIC CLAY LINER                         |  |
| GFRF - GROUT FILLED FIBER REVETMENT                   |  |
| GR - GRADE  |  |
| GDL - GEOSYNTHETIC DRAINAGE LINER                     |  |
| GM - GAS MONITORING LOCATION                          |  |
| GP - GAS PROBE  |  |
| HDPE - HIGH DENSITY POLYETHYLENE                      |  |
| HP - HIGH POINT                                       |  |
| ID - INSIDE DIAMETER                                  |  |
| IE - INVERT ELEVATION                                 |  |
| LF - LINEAL FEET                                      |  |
| LFG - LANDFILL GAS                                    |  |
| LLDPE - LINEAR LOW DENSITY POLYETHYLENE               |  |
| LP - LOW POINT  |  |
| MAX - MAXIMUM   |  |
| MFR - MANUFACTURER                                    |  |
| MH - MANHOLE  |  |
| MIN - MINIMUM   |  |
| MISC - MISCELLANEOUS                                  |  |
| MSL - (ABOVE) MEAN SEAL LEVEL                         |  |
| MT - MOUNT  |  |
| MW - GROUNDWATER MONITORING WELL                      |  |
| N/A - NOT APPLICABLE                                  |  |
| N/AVAIL - NOT AVAILABLE                               |  |
| NGVD - NATIONAL GEODETIC VERTICAL DATUM               |  |
| NIC - NOT IN CONTRACT                                 |  |
| No - NUMBER   |  |
| NP - NONPERFORATED                                    |  |
| NTS - NOT TO SCALE                                    |  |
| OC - ON CENTER  |  |
| OD - OUTSIDE DIAMETER                                 |  |
| OSHA - OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION    |  |
| P - PIEZOMETER  |  |
| PLS - PROFESSIONAL LAND SURVEYOR                      |  |
| PS - PUMP STATION                                     |  |
| R - RADIUS  |  |
| RCP - REINFORCED CONCRETE PIPE                        |  |
| REF - REFERENCE                                       |  |
| REOD - REQUIRED                                       |  |
| SL-SLOPE  |  |
| SCH - SCHEDULE  |  |
| SDR - STANDARD DIMENSION RATIO                        |  |
| SHT - SHEET   |  |
| SIM - SIMILAR   |  |
| SS - STAINLESS STEEL                                  |  |
| STD - STANDARD  |  |
| STL - STEEL   |  |
| STW - STORMWATER MONITORING STATION                   |  |
| TRM - TURF REINFORCEMENT MATTING                      |  |
| TYP - TYPICAL   |  |
| USC&GS - UNITED STATES COASTAL AND GEODETIC SURVEY    |  |
| USGS - UNITED STATES GEOLOGICAL SURVEY                |  |
| WGT - WEIGHT  |  |
| W.E. - WATER ELEVATION                                |  |
| WWTP - WASTE WATER TREATMENT PLANT                    |  |

|   |  |
|---|--|
| 1. THIS IS A STANDARD SHEET SHOWING COMMON SYMBOLLOGY. ALL SYMBOLS ARE NOT NECESSARILY USED ON THIS PROJECT.  |  |
| 2. SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING COMPONENTS OR TO DE-EMPHASIZE PROPOSED IMPROVEMENTS TO HIGHLIGHT SELECTED TRADE WORK. REFER TO CONTEXT OF EACH SHEET FOR USAGE.  |  |
| 3. EXISTING TOPOGRAPHY WITHIN PHASES I THROUGH IV AREAS COMPILED BY KUCERA INTERNATIONAL INC. OF WILLOUGHBY, OHIO USING PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHS DATED JUNE 1, 2009.   |  |
| 4. EXISTING TOPOGRAPHY WITHIN THE FUTURE USE AREAS COMPILED FROM THE CDM CONSTRUCTION PLANS DATED APRIL 1998 AND BY PBS&J LEACHATE FORCEMAIN AND PUMP STATION DRAWING SET DATED JULY 2005.  |  |
| 5. LOCATIONS OF EXISTING PIEZOMETERS, MONITORING WELLS AND STAFF GAUGES OBTAINED FROM SPECIFIC PURPOSE SURVEY BY SARASOTA COUNTY, MARCH 2008. VERIFY LOCATIONS IN FIELD.  |  |
| 6. EXISTING UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN LOCATED FROM THE BEST AVAILABLE SURVEY DATA AND RECORDS AND THEIR LOCATIONS MUST ONLY BE CONSIDERED AS APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES SHOWN ON THE PLANS AND ANY OTHER UTILITIES WHICH MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN THE AREA AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION. CALL FLORIDA SUNSHINE STATE ONE CALL CENTER AT 811. ALL COORDINATION AND REQUIRED UTILITY COMPANY TEMPORARY PROTECTION SHALL BE AT THE CONTRACTOR'S EXPENSE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE UNINTERRUPTION OF SERVICE AND REPLACEMENT OF DAMAGED UTILITES. |  |
| 7. THE CONTRACTOR SHALL RESTORE TO THE OWNER'S SATISFACTION ALL AREAS DISTURBED BY CONSTRUCTION; INCLUDING PERIMETER ROADWAY SURFACES, ROADWAY SHOULDERS AND DITCHES, DRAINAGE STRUCTURES AND OTHER EXISTING FEATURES.  |  |
| 8. HORIZONTAL DATUM IS BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM-WEST ZONE (NAD 83). VERTICAL DATUM IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM (NGVD 88).  |  |
| 9. THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND APPROVALS PRIOR TO COMMENCING WORK.  |  |
| 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL CONDITIONS AND REQUIREMENTS OF ALL PERMITS AND ALL GOVERNING FEDERAL, STATE, AND LOCAL AGENCIES.  |  |
| 11. THESE PLANS ACCOMPANY AND ARE PART OF THE TECHNICAL SPECIFICATIONS. WHEN THESE DRAWINGS AND/OR TECHNICAL SPECIFICATIONS LACK SPECIFICITY, CONSULT THE DESIGN ENGINEER (HDR ENGINEERING, INC.).  |  |
| 12. ANY CONFLICTS BETWEEN THESE PLANS AND THE PERMIT SHOULD BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER (HDR ENGINEERING, INC.).   |  |
| 13. THE CONTRACTOR IS RESPONSIBLE FOR DEWATERING (IF REQUIRED) ALL EXCAVATIONS, FILL AREAS, ETC. IN ORDER TO WORK IN DRY CONDITIONS. REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.  |  |
| 14. ATTENTION IS DIRECTED TO THE FACT THAT AN ACTIVE LANDFILL AND OTHER FACILITIES WILL BE IN OPERATION DURING THE CONSTRUCTION PERIOD. WASTE HAULING TRUCKS WILL BE ACTIVE DURING NORMAL BUSINESS HOURS. THE CONTRACTOR SHALL NOT BLOCK WASTE HAULING OR OTHER LANDFILL ACTIVITIES WITHOUT PRIOR WRITTEN APPROVAL FROM THE OWNER. IF NECESSARY, CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL TO MAINTAIN LANDFILL ACTIVITIES. THE CONTRACTOR IS ADVISED THAT SCALE RECORDS ARE AVAILABLE. UPON REQUEST FROM THE OWNER, WHICH INDICATE HISTORICAL DELIVERIES, BOTH DAILY AND HOURLY, OF WASTE TO THE LANDFILL.  |  |
| 15. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SITE SAFETY ASSOCIATED WITH THE WORK UNDER THIS CONTRACT AND FOR COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL HEALTH AND SAFETY LAWS, CODES, REGULATIONS AND ORDINANCES INCLUDING BUT NOT LIMITED TO THOSE MANDATED BY OSHA AND THE FLORIDA TRENCH SAFETY ACT. CONTRACTOR SHALL ALSO COORDINATE A SITE SAFETY PLAN WITH COUNTY PERSONNEL. THE CONTRACTOR SHALL INCLUDE IN THE TOTAL BID PRICE ALL COSTS FOR COMPLIANCE WITH THESE REGULATIONS.   |  |

| SHEET NAMING CONVENTION |                   |
|-------------------------|-------------------|
| G                       | GENERAL           |
| V                       | SURVEYING/MAPPING |
| X                       | DEMOLITION        |
| C                       | CIVIL             |
| U                       | MULTI-DISCIPLINE  |
| S                       | STRUCTURAL        |
| A                       | ARCHITECTURAL     |
| D                       | PROCESS           |
| M                       | MECHANICAL (HVAC) |
| P                       | PLUMBING          |
| E                       | ELECTRICAL        |
| Y                       | INSTRUMENTATION   |
| LFG                     | LANDFILL GAS      |

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
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SOUTHWEST DISTRICT  
TAMPA

 EXISTING ELEVATION CONTOUR

 PROPOSED ELEVATION CONTOUR

 LIMITS OF PROPOSED LINER

 APPROXIMATE LIMITS OF EXISTING LINER

 ASPHALT (PLAN OR SMALL-SCALE SECTION)

 ASPHALT (LARGE-SCALE SECTION)

 PROTECTIVE COVER SOIL

 INITIAL COVER

 INTERMEDIATE COVER

 CHECKERBOARD PLATE (PLAN)

 CONCRETE (PLAN AND/OR SECTION)

 CONCRETE MASONRY (PLAN AND/OR SECTION)

 SOLID WASTE (SECTION)

 FABRIC-FORMED CONCRETE (PLAN)

 FABRIC-FORMED CONCRETE (SECTION)

 FINISHED WOOD (SECTION)

 GRANULAR FILL (SECTION)

 GRATING (PLAN)

 GROUT (SECTION)

 PRECAST CONCRETE (PLAN AND/OR SECTION)

 RIPRAP OR RUBBLE (PLAN AND/OR SECTION)

 DRAINAGE STONE (SECTION)

 SAND (SECTION)

 TOPSOIL (SECTION)

 SOD OR GRASS (SECTION)

 WOOD - CONTINUOUS (SECTION)

 WOOD BLOCKING (SECTION)

 GEOSYNTHETIC DRAINAGE LAYER (SECTION)

 GEOMEMBRANE (SECTION)

 GEOTEXTILE (SECTION)

 20 MIL POLYETHYLENE RAIN COVER

 40 MIL GEOMEMBRANE (LLDPE TEXTURED/SMOOTH)

 60 MIL GEOMEMBRANE (HDPE TEXTURED)

 LEACHATE FORCE MAIN IDENTIFICATION WWTP (SEE NOTE 4)

 ARROW INDICATES DIRECTION OF PLAN NORTH  
**PLAN**  
1/4" = 1'-0"  
**PLAN TITLE**

 SECTION LETTER  
FLAG INDICATES DIRECTION OF SECTION CUT  
SHEET WHERE SECTION IS LOCATED \*  
**SECTION CUT MARKER**

 SECTION LETTER  
3/8" = 1'-0"  
SHEET WHERE SECTION VIEW IS FIRST CUT \*  
**SECTION**  
**SECTION TITLE**

 DETAIL NUMBER  
SHEET WHERE DETAIL IS LOCATED \*  
**DETAIL MARKER**  
FOR REFERENCING DETAILS INCLUDED IN DRAWING SET.

 XXXXXXXX  
**DETAIL MARKER**  
FOR REFERENCING DETAILS BOUND IN SPECIFICATIONS OR SEPARATE VOLUME.

 DETAIL NUMBER  
3" = 1'-0"  
SHEET WHERE DETAIL WAS CALLED OUT  
**DETAIL**  
**DETAIL TITLE**

\* FOR COMMON DETAILS AND SECTIONS OR DETAILS THAT ARE CUT OR CALLED OUT ON MULTIPLE SHEETS, THE SHEET NUMBER IS REPLACED BY A DASH (-).

 ELEVATION NUMBER  
ARROW INDICATES POINT OF VIEW  
SHEET WHERE ELEVATION IS LOCATED \*  
**SINGLE ELEVATION OR PHOTO MARKER**

 ELEVATION NUMBER  
ARROW INDICATES POINT OF VIEW ELEVATION  
INDICATES SHEET WHERE ELEVATION IS LOCATED  
**MULTIPLE ELEVATION OR PHOTO MARKER**

 ELEVATION IDENTIFICATION NUMBER  
3" = 1'-0"  
SHEET WHERE POINT OF VIEW MARKER CAN BE FOUND \*  
**ELEVATION**  
**ELEVATION TITLE**

APPROX - APPROXIMATE, APPROXIMATELY  
BLDG - BUILDING  
BTM - BOTTOM  
CB - CATCH BASIN  
CM - CONCRETE MONUMENT  
CONC - CONCRETE  
CONT - CONTINUOUS  
CORR - CORRUGATED  
DET - DETAIL  
DIA - DIAMETER  
DIM - DIMENSION  
DWG - DRAWING  
EA - EACH  
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ENCL - ENCLOSE, ENCLOSURE  
EL - ELEVATION  
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FDEP - FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
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GALV - GALVANIZED  
GCL - GEOSYNTHETIC CLAY LINER  
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MSL - (ABOVE) MEAN SEAL LEVEL  
MT - MOUNT  
MW - GROUNDWATER MONITORING WELL  
N/A - NOT APPLICABLE  
N/AVAIL - NOT AVAILABLE  
NGVD - NATIONAL GEODETIC VERTICAL DATUM  
NIC - NOT IN CONTRACT  
No - NUMBER  
NP - NONPERFORATED  
NTS - NOT TO SCALE  
OC - ON CENTER  
OD - OUTSIDE DIAMETER  
OSHA - OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION  
P - PIEZOMETER  
PLS - PROFESSIONAL LAND SURVEYOR  
PS - PUMP STATION  
R - RADIUS  
RCP - REINFORCED CONCRETE PIPE  
REF - REFERENCE  
REQD - REQUIRED  
SL-SLOPE  
SCH - SCHEDULE  
SDR - STANDARD DIMENSION RATIO  
SHT - SHEET  
SIM - SIMILAR  
SS - STAINLESS STEEL  
STD - STANDARD  
STL - STEEL  
STW - STORMWATER MONITORING STATION  
TRM - TURF REINFORCEMENT MATTING  
TYP - TYPICAL  
USC&GS - UNITED STATES COASTAL AND GEODETIC SURVEY  
USGS - UNITED STATES GEOLOGICAL SURVEY  
WGT - WEIGHT  
W.E. - WATER ELEVATION  
WWTP - WASTE WATER TREATMENT PLANT

16. THE CONTRACTOR IS RESPONSIBLE FOR DEVELOPING AND MAINTAINING A SITE AND PERSONNEL SAFETY PROGRAM TO ADDRESS MONITORING OF THE WORK WITHIN AND ADJACENT TO THE EXISTING LANDFILL. REFER TO TECHNICAL SPECIFICATIONS FOR ENVIRONMENTAL CONTROL PROGRAM REQUIREMENTS FOR FURTHER INFORMATION.

17. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION AND ELEVATION OF ALL EXISTING BENCHMARKS. FURTHER, THE CONTRACTOR WILL NEED TO EMPLOY A LICENSED SURVEYOR FOR EXTENDING BOTH HORIZONTAL AND VERTICAL CONTROLS AS NECESSARY TO PERFORM THE WORK UNDER THIS CONTRACT.

18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES, STRUCTURES, OR UTILITIES ABOVE OR BELOW GROUND, CAUSED BY CONSTRUCTION OPERATIONS WHICH HAVE BEEN PREVIOUSLY LOCATED BY THEIR RESPECTIVE OWNERS.

19. THE CONTRACTOR'S WORK SHALL BE SCHEDULED BETWEEN 7:00 AM AND 5:30 PM WITH A MAXIMUM OF 10 HOURS PER DAY AND 5 DAYS PER WEEK. SHOULD THE CONTRACTOR REQUIRE MORE WORK HOURS TO MAINTAIN THE CONTRACT SCHEDULE, A REQUEST SHALL BE SUBMITTED IN WRITING TO THE ENGINEER STATING THE REASONS WHY AND HOW MANY ADDITIONAL HOURS ARE NEEDED. ALSO, THE CONTRACTOR SHALL REQUEST IN WRITING TO THE ENGINEER WITH A MINIMUM OF SEVENTY-TWO (72) HOURS ADVANCE NOTICE, OF ANY PLANS FOR WORKING ON ANY WEEKEND DAYS OR OBSERVED NATIONAL HOLIDAYS. SHOULD THE ENGINEER APPROVE THE REQUEST FOR ADDITIONAL HOURS, THE CONTRACTOR SHALL REIMBURSE THE OWNER FOR ACTUAL COSTS FOR RESIDENT INSPECTION INCURRED DURING THE ADDITIONAL HOURS APPROVED. THE HOURLY RATE FOR THESE ADDITIONAL HOURS WILL BE \$100.00 PER HOUR.

20. THE CONTRACTOR SHALL PROVIDE PROPER WARNING SIGNS, BARRICADES, TEMPORARY FENCING AND OTHER APPROPRIATE SAFETY DEVICES DURING THE EXECUTION OF THE WORK TO PROVIDE PUBLIC PROTECTION AND SAFETY.

21. THE CONTRACTOR SHALL PROVIDE ACCESS FOR TRAFFIC AT ALL TIMES DURING CONSTRUCTION.

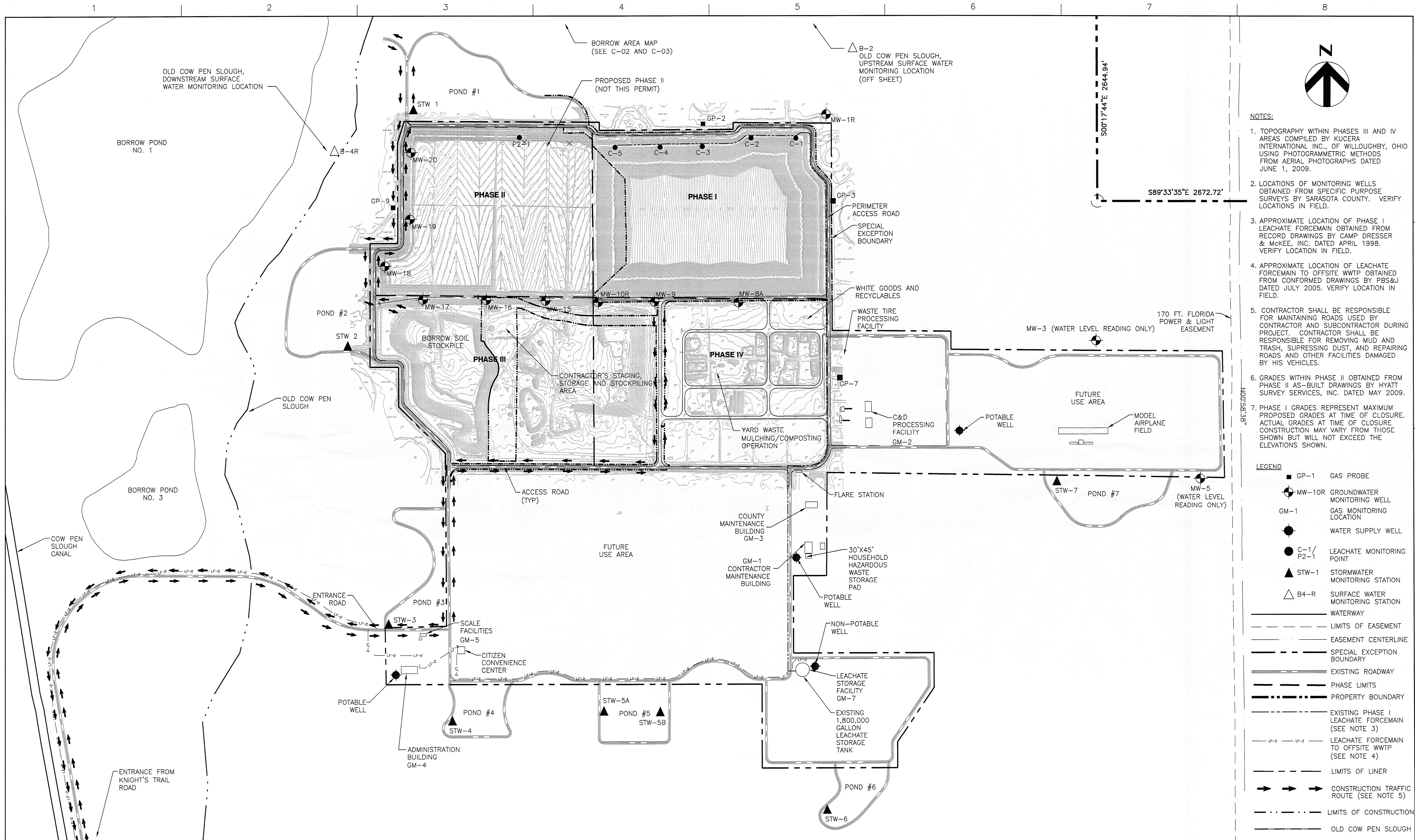
**SHEET NAMING CONVENTION**

|     |                   |
|-----|-------------------|
| G   | GENERAL           |
| V   | SURVEYING/MAPPING |
| X   | DEMOLITION        |
| C   | CIVIL             |
| U   | MULTI-DISCIPLINE  |
| S   | STRUCTURAL        |
| A   | ARCHITECTURAL     |
| D   | PROCESS           |
| M   | MECHANICAL (HVAC) |
| P   | PLUMBING          |
| E   | ELECTRICAL        |
| Y   | INSTRUMENTATION   |
| LFG | LANDFILL GAS      |

 FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
JUL 16 2010  
SOUTHWEST DISTRICT  
TAMPA

|   |                   |                   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |        |                   |   |        |                   |       |      |             |   |  |  |                 |              |             |                 |              |             |          |             |          |            |                |                   |  |  |  |  |  |  |   |  |  |          |       |       |          |        |  |
|---|-------------------|-------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--------|-------------------|---|--------|-------------------|-------|------|-------------|---|--|--|-----------------|--------------|-------------|-----------------|--------------|-------------|----------|-------------|----------|------------|----------------|-------------------|--|--|--|--|--|--|---|--|--|----------|-------|-------|----------|--------|--|
| <div><div><div>HDR</div><div>HDR Engineering, Inc.<br/>2621 Cattleman Rd., Ste. 106<br/>Sarasota, FL 34232-6212<br/>(941) 542-2700<br/>CA00004213</div></div></div> |                   |                   | <table><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td>B</td><td>6/2010</td><td>ISSUED FOR RAI #1</td></tr><tr><td>A</td><td>4/2010</td><td>ISSUED FOR PERMIT</td></tr><tr><td>ISSUE</td><td>DATE</td><td>DESCRIPTION</td></tr></table> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | B | 6/2010 | ISSUED FOR RAI #1 | A | 4/2010 | ISSUED FOR PERMIT | ISSUE | DATE | DESCRIPTION | <table><tr><td>PROJECT MANAGER</td><td>R. SIEMERING</td></tr><tr><td>REVIEWED BY</td><td>T. M. YANOSCHAK</td></tr><tr><td>CIVIL DESIGN</td><td>C. RESTREPO</td></tr><tr><td>DRAWN BY</td><td>L. KARSHNER</td></tr><tr><td>DRAWN BY</td><td>B. JOHNSON</td></tr><tr><td>PROJECT NUMBER</td><td>001916-125174-002</td></tr></table> |  |  | PROJECT MANAGER | R. SIEMERING | REVIEWED BY | T. M. YANOSCHAK | CIVIL DESIGN | C. RESTREPO | DRAWN BY | L. KARSHNER | DRAWN BY | B. JOHNSON | PROJECT NUMBER | 001916-125174-002 | <div><div><div><div>THOMAS M. YANOSCHAK</div><div>FLORIDA</div><div>PROFESSIONAL ENGINEER</div><div>No. 44200</div><div>STATE OF</div><div>FLORIDA</div><div>LICENSE</div></div><div><div>7/15/20</div></div></div><div>THOMAS M. YANOSCHAK, P. E.<br/>CERTIFICATE NO. 44200</div></div> |  |  | <div><div><div><div>SARASOTA</div><div>COUNTY</div></div></div><div>Central County Solid Waste<br/>Disposal Complex<br/>PHASE I CLASS I LANDFILL<br/>CLOSURE<br/>PERMIT DRAWINGS</div><div>FLORIDA</div></div> |  |  | <div>GENERAL NOTES, LEGEND AND ABBREVIATIONS</div> <div><div><div>01"2"</div></div><div><table><tr><td>FILENAME</td><td>SHEET</td></tr><tr><td>SCALE</td><td>AS SHOWN</td></tr><tr><td colspan="2">00G-02</td></tr></table></div></div> |  |  | FILENAME | SHEET | SCALE | AS SHOWN | 00G-02 |  |
|   |                   |                   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |        |                   |   |        |                   |       |      |             |   |  |  |                 |              |             |                 |              |             |          |             |          |            |                |                   |  |  |  |  |  |  |   |  |  |          |       |       |          |        |  |
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| B   | 6/2010            | ISSUED FOR RAI #1 |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |        |                   |   |        |                   |       |      |             |   |  |  |                 |              |             |                 |              |             |          |             |          |            |                |                   |  |  |  |  |  |  |   |  |  |          |       |       |          |        |  |
| A   | 4/2010            | ISSUED FOR PERMIT |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |        |                   |   |        |                   |       |      |             |   |  |  |                 |              |             |                 |              |             |          |             |          |            |                |                   |  |  |  |  |  |  |   |  |  |          |       |       |          |        |  |
| ISSUE   | DATE              | DESCRIPTION       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |        |                   |   |        |                   |       |      |             |   |  |  |                 |              |             |                 |              |             |          |             |          |            |                |                   |  |  |  |  |  |  |   |  |  |          |       |       |          |        |  |
| PROJECT MANAGER   | R. SIEMERING      |                   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |        |                   |   |        |                   |       |      |             |   |  |  |                 |              |             |                 |              |             |          |             |          |            |                |                   |  |  |  |  |  |  |   |  |  |          |       |       |          |        |  |
| REVIEWED BY   | T. M. YANOSCHAK   |                   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |        |                   |   |        |                   |       |      |             |   |  |  |                 |              |             |                 |              |             |          |             |          |            |                |                   |  |  |  |  |  |  |   |  |  |          |       |       |          |        |  |
| CIVIL DESIGN  | C. RESTREPO       |                   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |        |                   |   |        |                   |       |      |             |   |  |  |                 |              |             |                 |              |             |          |             |          |            |                |                   |  |  |  |  |  |  |   |  |  |          |       |       |          |        |  |
| DRAWN BY  | L. KARSHNER       |                   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |        |                   |   |        |                   |       |      |             |   |  |  |                 |              |             |                 |              |             |          |             |          |            |                |                   |  |  |  |  |  |  |   |  |  |          |       |       |          |        |  |
| DRAWN BY  | B. JOHNSON        |                   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |        |                   |   |        |                   |       |      |             |   |  |  |                 |              |             |                 |              |             |          |             |          |            |                |                   |  |  |  |  |  |  |   |  |  |          |       |       |          |        |  |
| PROJECT NUMBER  | 001916-125174-002 |                   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |        |                   |   |        |                   |       |      |             |   |  |  |                 |              |             |                 |              |             |          |             |          |            |                |                   |  |  |  |  |  |  |   |  |  |          |       |       |          |        |  |
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| SCALE   | AS SHOWN          |                   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |        |                   |   |        |                   |       |      |             |   |  |  |                 |              |             |                 |              |             |          |             |          |            |                |                   |  |  |  |  |  |  |   |  |  |          |       |       |          |        |  |
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- NOTES:
1. TOPOGRAPHY WITHIN PHASES III AND IV AREAS COMPILED BY KUCERA INTERNATIONAL INC., OF WILLOUGHBY, OHIO USING PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHS DATED JUNE 1, 2009.
  2. LOCATIONS OF MONITORING WELLS OBTAINED FROM SPECIFIC PURPOSE SURVEYS BY SARASOTA COUNTY. VERIFY LOCATIONS IN FIELD.
  3. APPROXIMATE LOCATION OF PHASE I LEACHATE FORCEMAIN OBTAINED FROM RECORD DRAWINGS BY CAMP DRESSER & MCKEE, INC. DATED APRIL 1998. VERIFY LOCATION IN FIELD.
  4. APPROXIMATE LOCATION OF LEACHATE FORCEMAIN TO OFFSITE WWTP OBTAINED FROM CONFORMED DRAWINGS BY PBS&J DATED JULY 2005. VERIFY LOCATION IN FIELD.
  5. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ROADS USED BY CONTRACTOR AND SUBCONTRACTOR DURING PROJECT. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING MUD AND TRASH, SUPPRESSING DUST, AND REPAIRING ROADS AND OTHER FACILITIES DAMAGED BY HIS VEHICLES.
  6. GRADES WITHIN PHASE II OBTAINED FROM PHASE II AS-BUILT DRAWINGS BY HYATT SURVEY SERVICES, INC. DATED MAY 2009.
  7. PHASE I GRADES REPRESENT MAXIMUM PROPOSED GRADES AT TIME OF CLOSURE. ACTUAL GRADES AT TIME OF CLOSURE CONSTRUCTION MAY VARY FROM THOSE SHOWN BUT WILL NOT EXCEED THE ELEVATIONS SHOWN.

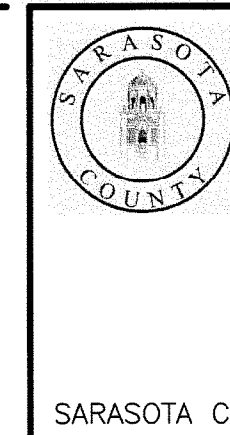
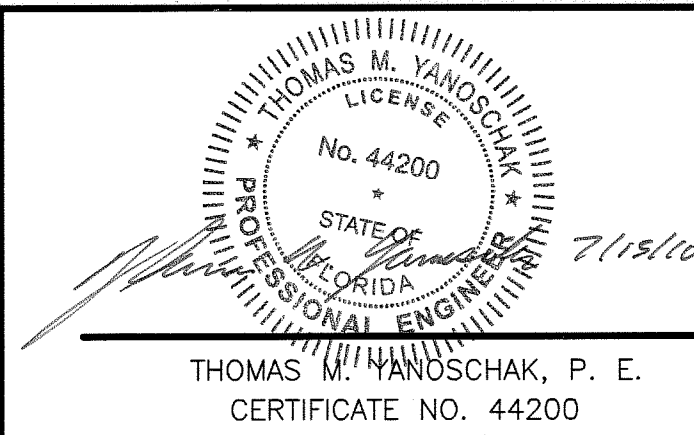
- LEGEND
- GP-1 GAS PROBE
  - MW-10R GROUNDWATER MONITORING WELL
  - GM-1 GAS MONITORING LOCATION
  - WATER SUPPLY WELL
  - C-1/P2-1 LEACHATE MONITORING POINT
  - STW-1 STORMWATER MONITORING STATION
  - B4-R SURFACE WATER MONITORING STATION
  - WATERWAY
  - LIMITS OF EASEMENT
  - EASEMENT CENTERLINE
  - SPECIAL EXCEPTION BOUNDARY
  - EXISTING ROADWAY
  - PHASE LIMITS
  - PROPERTY BOUNDARY
  - EXISTING PHASE I LEACHATE FORCEMAIN (SEE NOTE 3)
  - LEACHATE FORCEMAIN TO OFFSITE WWTP (SEE NOTE 4)
  - LIMITS OF LINER
  - CONSTRUCTION TRAFFIC ROUTE (SEE NOTE 5)
  - LIMITS OF CONSTRUCTION
  - OLD COW PEN SLOUGH



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| B     | 6/2010 | ISSUED FOR RAI #1 |
| A     | 4/2010 | ISSUED FOR PERMIT |

|                 |                   |
|-----------------|-------------------|
| PROJECT MANAGER | R. SIEMERING      |
| REVIEWED BY     | T. M. YANOSCHAK   |
| CIVIL DESIGN    | C. RESTREPO       |
| DRAWN BY        | L. KARSHNER       |
| DRAWN BY        | B. JOHNSON        |
| PROJECT NUMBER  | 001916-125174-002 |



**Central County Solid Waste Disposal Complex**  
**PHASE I CLASS I LANDFILL CLOSURE**  
**PERMIT DRAWINGS**

**OVERALL SITE PLAN AND PHASING PLAN**

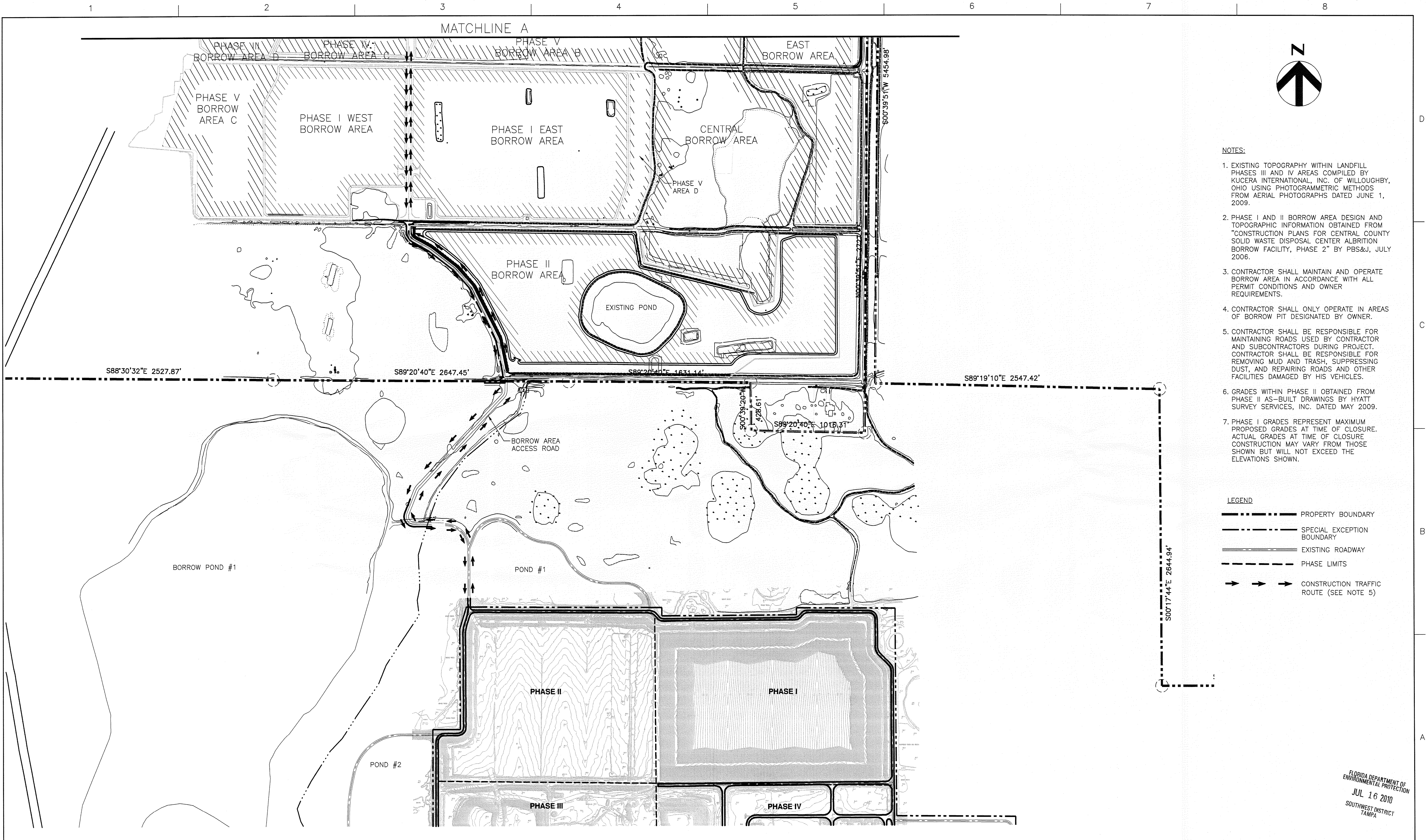
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
JUL 16 2010  
SOUTHWEST DISTRICT TAMPA



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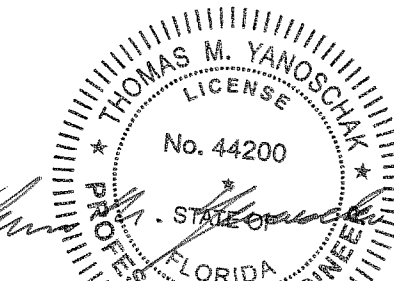


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Sarasota, FL 34232-6212  
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| B     | 6/2010 | ISSUED FOR RAI #1 |
| A     | 4/2010 | ISSUED FOR PERMIT |
| ISSUE | DATE   | DESCRIPTION       |

|                 |                   |
|-----------------|-------------------|
| PROJECT MANAGER | R. SIEMERING      |
| REVIEWED BY     | T. M. YANOSCHAK   |
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| DRAWN BY        | L. KARSHNER       |
| DRAWN BY        | B. JOHNSON        |
| PROJECT NUMBER  | 001916-125174-002 |



THOMAS M. YANOSCHAK, P. E.  
CERTIFICATE NO. 44200

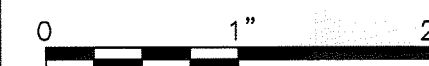


SARASOTA COUNTY

**Central County Solid Waste  
Disposal Complex  
PHASE I CLASS I LANDFILL  
CLOSURE  
PERMIT DRAWINGS**

FLORIDA

**BORROW AREA MAP  
(1 OF 2)**



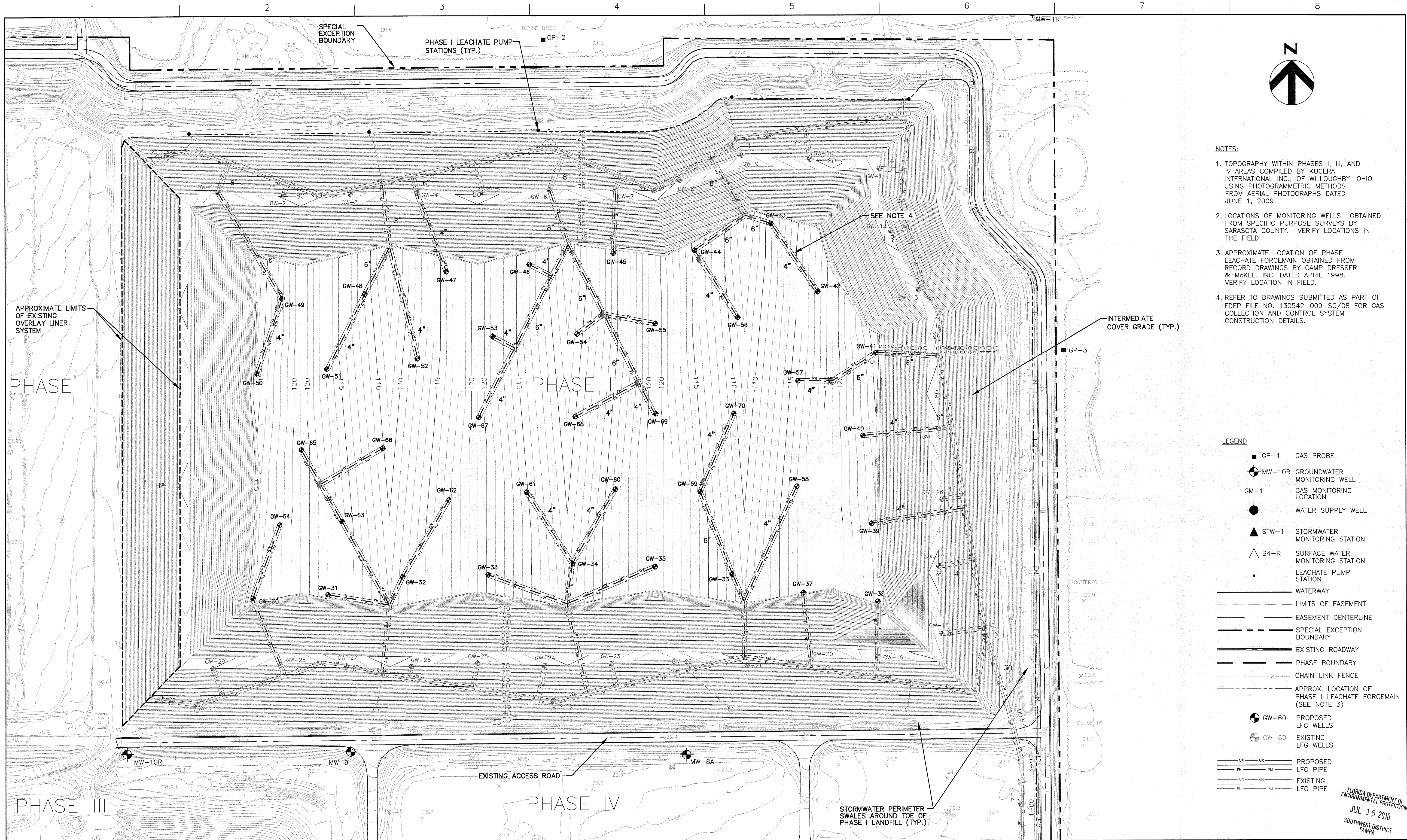
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| SHEET         |
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- NOTES:**
1. TOPOGRAPHY WITHIN PHASES I, III, AND IV AREAS COMPILED BY KUCERA INTERNATIONAL INC., OF WILLOUGHBY, OHIO USING PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHS DATED JUNE 1, 2009.
  2. LOCATIONS OF MONITORING WELLS OBTAINED FROM SPECIFIC PURPOSE SURVEYS BY SARASOTA COUNTY. VERIFY LOCATIONS IN THE FIELD.
  3. APPROXIMATE LOCATION OF PHASE I LEACHATE FORCEMAIN OBTAINED FROM RECORD DRAWINGS BY CAMP DRESSER & MCKEE, INC. DATED APRIL 1998. VERIFY LOCATION IN FIELD.
  4. REFER TO DRAWINGS SUBMITTED AS PART OF FDEP FILE NO. 130542-009-SC/08 FOR GAS COLLECTION AND CONTROL SYSTEM CONSTRUCTION DETAILS.

- LEGEND**
- GP-1 GAS PROBE
  - MW-10R GROUNDWATER MONITORING WELL
  - GM-1 GAS MONITORING LOCATION
  - WATER SUPPLY WELL
  - STW-1 STORMWATER MONITORING STATION
  - B4-R SURFACE WATER MONITORING STATION
  - LEACHATE PUMP STATION
  - WATERWAY
  - LIMITS OF EASEMENT
  - EASEMENT CENTERLINE
  - SPECIAL EXCEPTION BOUNDARY
  - EXISTING ROADWAY
  - PHASE BOUNDARY
  - CHAIN LINK FENCE
  - APPROX. LOCATION OF PHASE I LEACHATE FORCEMAIN (SEE NOTE 3)
  - GW-60 PROPOSED LFG WELLS
  - GW-60 EXISTING LFG WELLS
  - PROPOSED LFG PIPE
  - EXISTING LFG PIPE

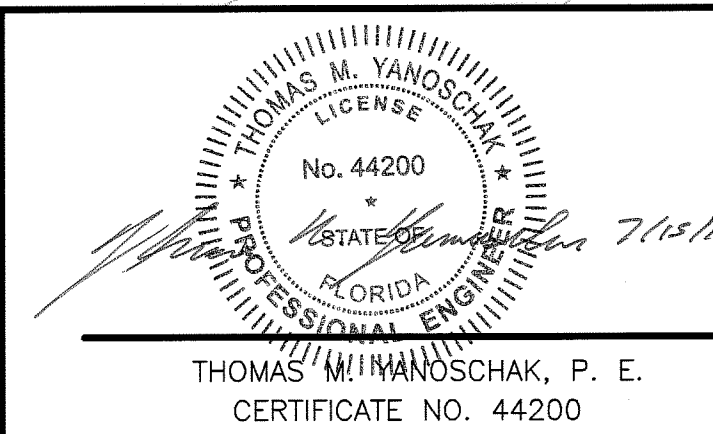
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
JUL 16 2010  
SOUTHWEST DISTRICT  
TAMPA

**HDR**

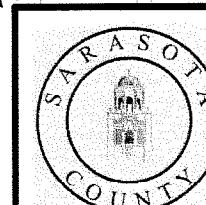
HDR Engineering, Inc.  
2621 Cattlemen Rd., Ste. 106  
Sarasota, FL 34232-0212  
(941) 542-2700  
CA00004213

|       |        |                   |
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| ISSUE | DATE   | DESCRIPTION       |

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|-----------------|-------------------|
| PROJECT MANAGER | R. SIEMERING      |
| REVIEWED BY     | T. M. YANOSCHAK   |
| CIVIL DESIGN    | C. RESTREPO       |
| DRAWN BY        | L. KARSHNER       |
| DRAWN BY        | B. JOHNSON        |
| PROJECT NUMBER  | 001916-125174-002 |



THOMAS M. YANOSCHAK, P. E.  
CERTIFICATE NO. 44200

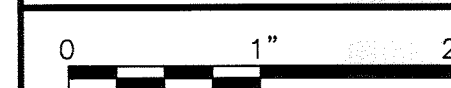


SARASOTA COUNTY

**Central County Solid Waste  
Disposal Complex  
PHASE I CLASS I LANDFILL  
CLOSURE  
PERMIT DRAWINGS**

FLORIDA

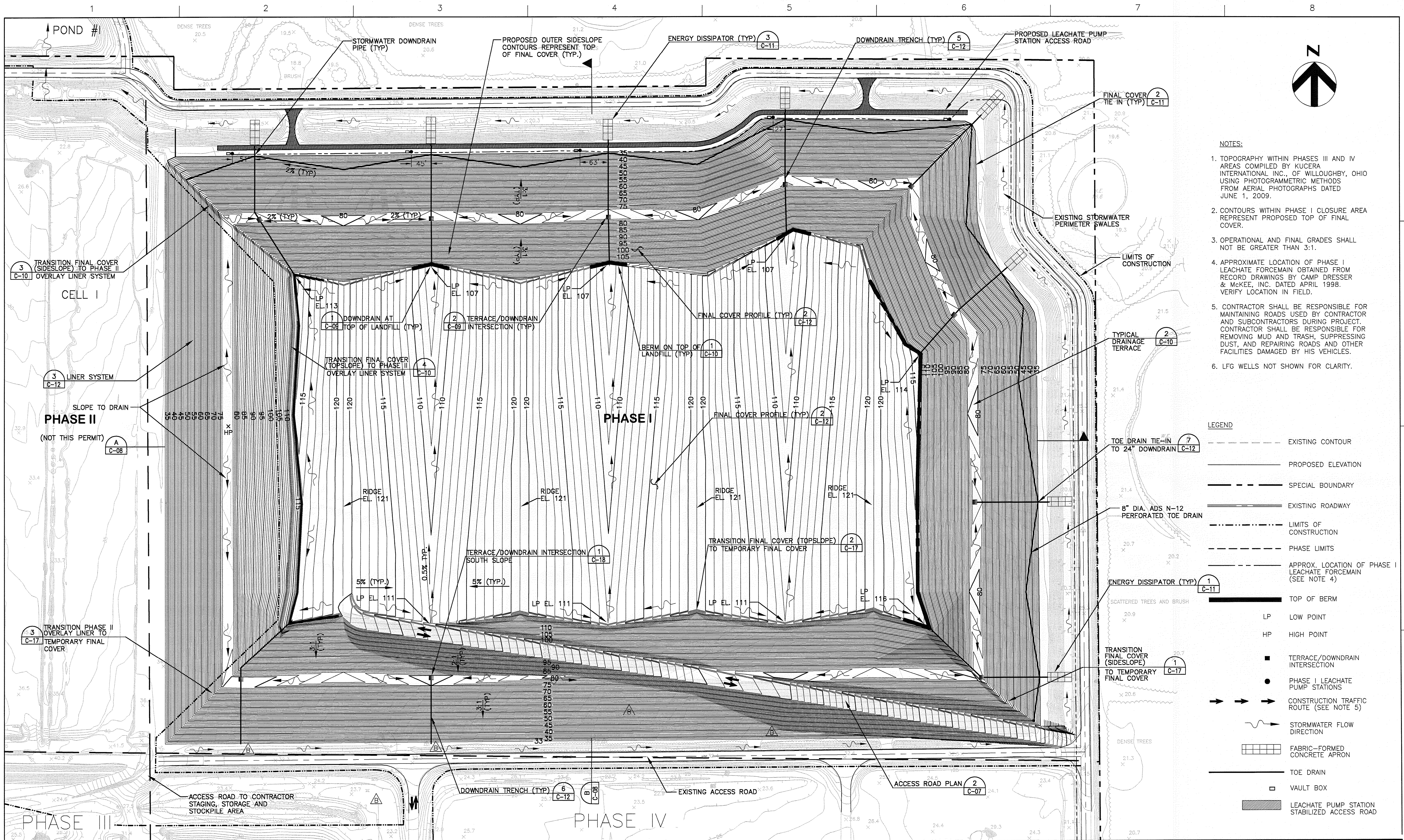
**FUTURE INTERMEDIATE COVER GRADES  
SITE CONDITIONS**



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| SHEET | 00C-04 |
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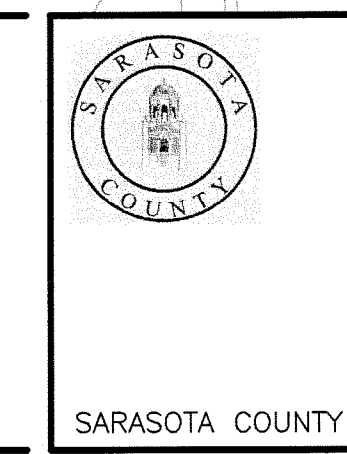
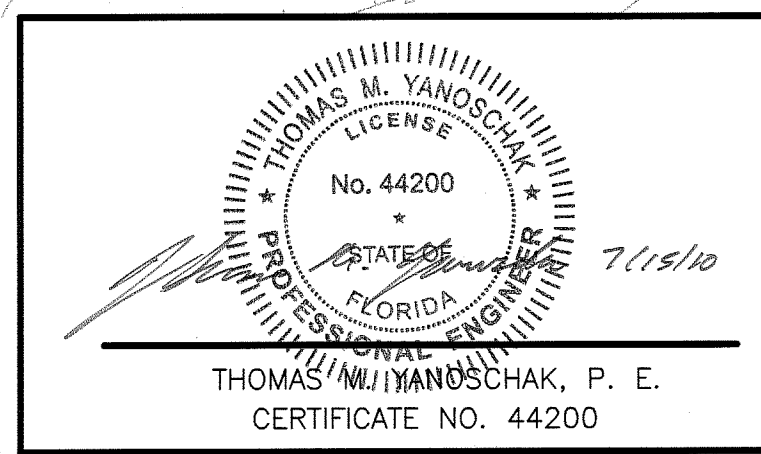
- NOTES:
1. TOPOGRAPHY WITHIN PHASES III AND IV AREAS COMPILED BY KUCERA INTERNATIONAL INC., OF WILLOUGHBY, OHIO USING PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHS DATED JUNE 1, 2009.
  2. CONTOURS WITHIN PHASE I CLOSURE AREA REPRESENT PROPOSED TOP OF FINAL COVER.
  3. OPERATIONAL AND FINAL GRADES SHALL NOT BE GREATER THAN 3:1.
  4. APPROXIMATE LOCATION OF PHASE I LEACHATE FORCEMAIN OBTAINED FROM RECORD DRAWINGS BY CAMP DRESSER & MCKEE, INC. DATED APRIL 1998. VERIFY LOCATION IN FIELD.
  5. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ROADS USED BY CONTRACTOR AND SUBCONTRACTORS DURING PROJECT. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING MUD AND TRASH, SUPPRESSING DUST, AND REPAIRING ROADS AND OTHER FACILITIES DAMAGED BY HIS VEHICLES.
  6. LFG WELLS NOT SHOWN FOR CLARITY.

- LEGEND
- EXISTING CONTOUR
  - PROPOSED ELEVATION
  - SPECIAL BOUNDARY
  - EXISTING ROADWAY
  - LIMITS OF CONSTRUCTION
  - PHASE LIMITS
  - APPROX. LOCATION OF PHASE I LEACHATE FORCEMAIN (SEE NOTE 4)
  - TOP OF BERM
  - LP LOW POINT
  - HP HIGH POINT
  - TERRACE/DOWNDRAIN INTERSECTION
  - PHASE I LEACHATE PUMP STATIONS
  - CONSTRUCTION TRAFFIC ROUTE (SEE NOTE 5)
  - ~ STORMWATER FLOW DIRECTION
  - ▤ FABRIC-FORMED CONCRETE APRON
  - TOE DRAIN
  - VAULT BOX
  - ▨ LEACHATE PUMP STATION STABILIZED ACCESS ROAD



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| ISSUE | DATE   | DESCRIPTION       |

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|-----------------|-------------------|
| PROJECT MANAGER | R. SIEMERING      |
| REVIEWED BY     | T. M. YANOSCHAK   |
| CIVIL DESIGN    | C. RESTREPO       |
| DRAWN BY        | L. KARSHNER       |
| DRAWN BY        | B. JOHNSON        |
| PROJECT NUMBER  | 001916-125174-002 |



**Central County Solid Waste Disposal Complex**  
**PHASE I CLASS I LANDFILL CLOSURE**  
**PERMIT DRAWINGS**

**PHASE I FINAL BUILD-OUT GRADING PLAN**

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
JUL 16 2010  
SOUTHWEST DISTRICT  
TAMPA

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SCALE 1"=100'

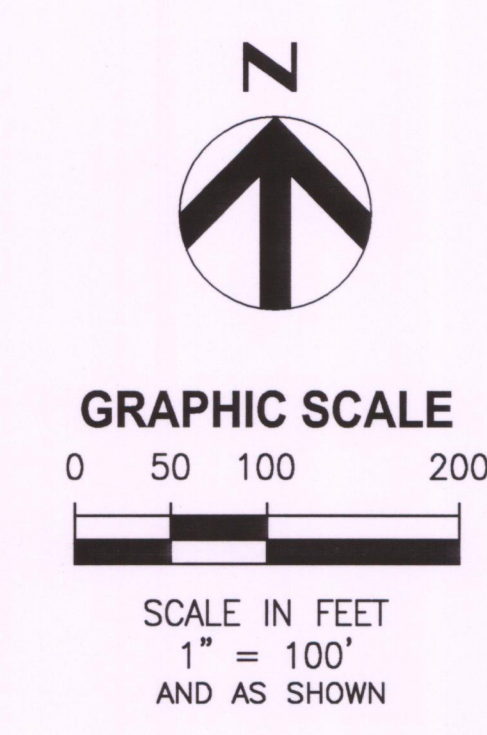
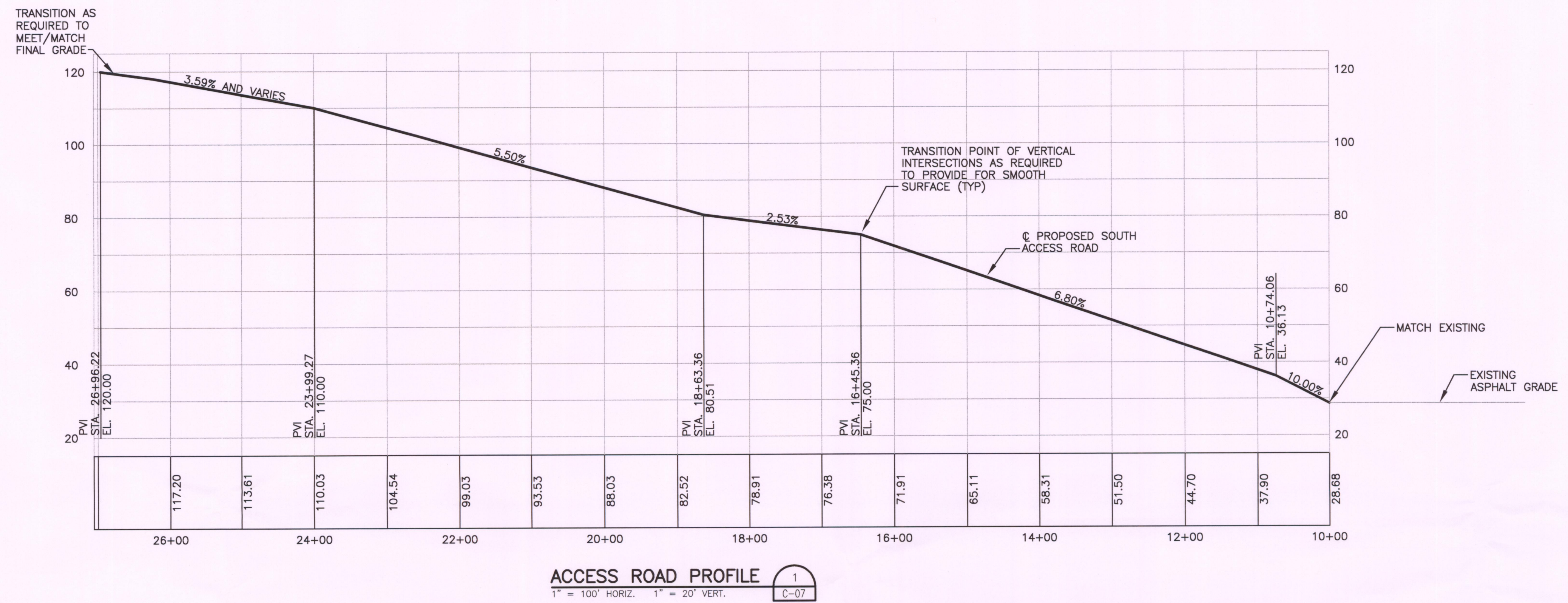
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SHEET  
**00C-05**

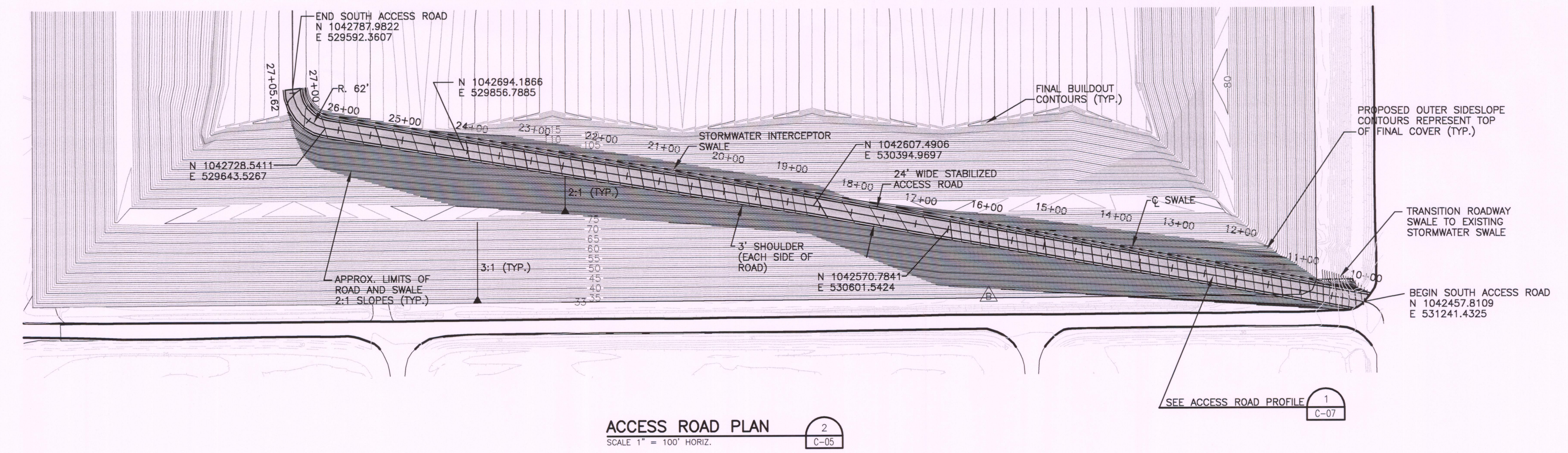






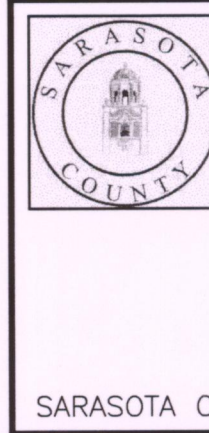
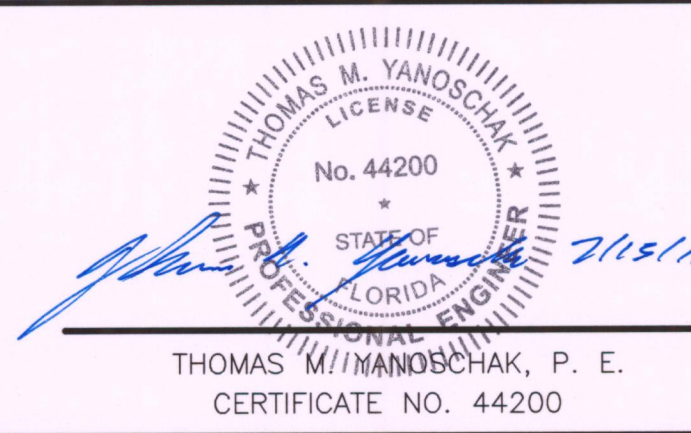


NOTES DELETED WERE NOT APPLICABLE FOR CONSTRUCTION



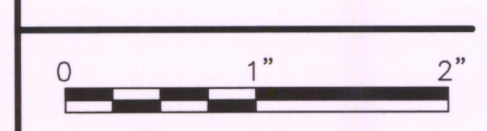
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|-------|--------|-------------------|
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| A     | 4/2010 | ISSUED FOR PERMIT |

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|-----------------|-------------------|
| PROJECT MANAGER | R. SIEMERING      |
| REVIEWED BY     | T. M. YANOSCHAK   |
| CIVIL DESIGN    | C. RESTREPO       |
| DRAWN BY        | L. KARSHNER       |
| DRAWN BY        | B. JOHNSON        |
| PROJECT NUMBER  | 001916-125174-002 |



**Central County Solid Waste Disposal Complex**  
**PHASE I CLASS I LANDFILL CLOSURE**  
**PERMIT DRAWINGS**

**PLAN AND PROFILE**  
**PHASE I ACCESS ROAD**

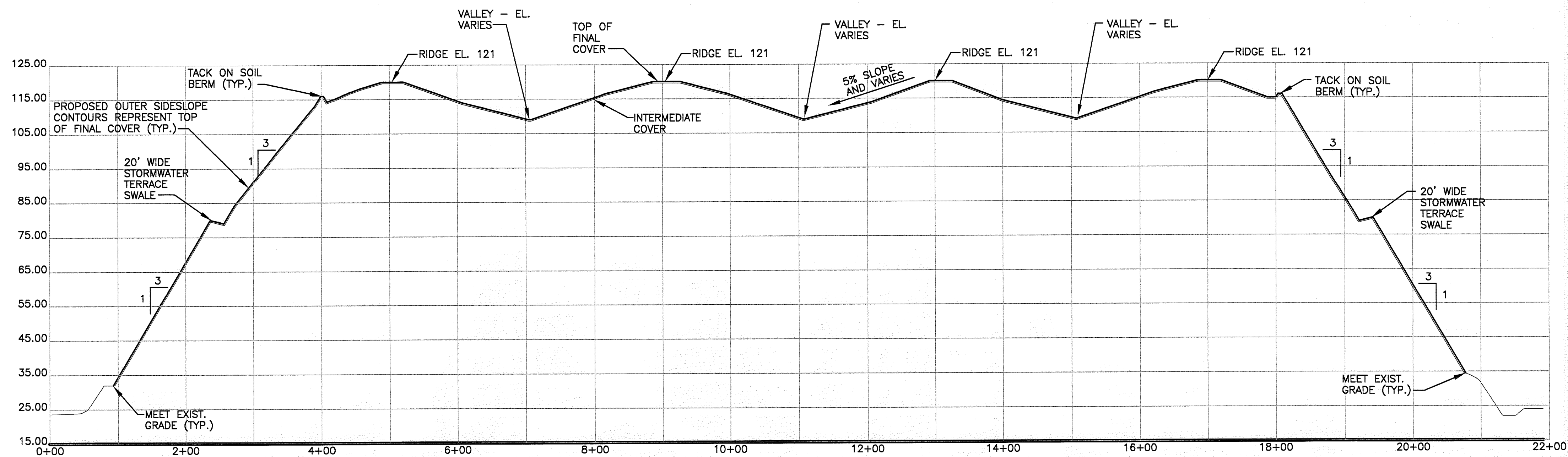


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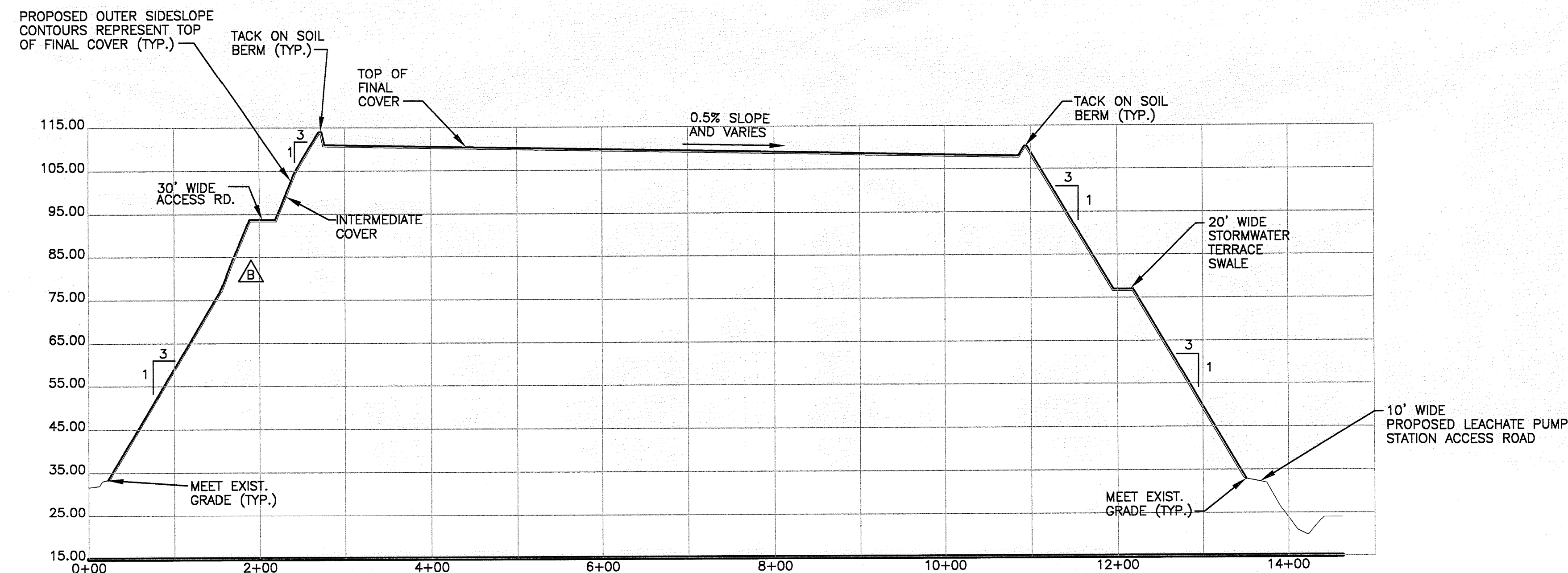
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
JUL 16 2010  
SOUTHWEST DISTRICT  
TAMPA

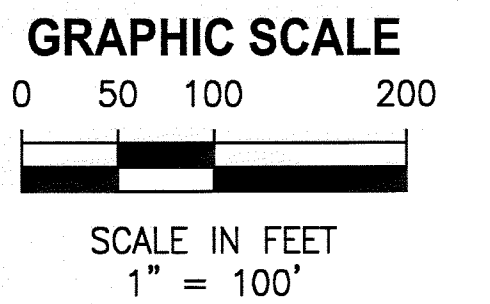




**SECTION A**  
1" = 100' HORIZ. 1" = 10' VERT. C-05



**SECTION B**  
1" = 100' HORIZ. 1" = 10' VERT. C-05



**NOTES:**

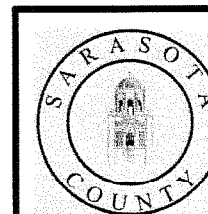
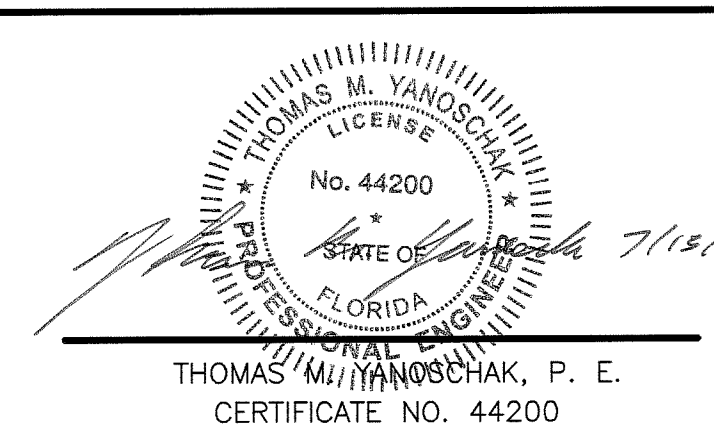
1. TOPOGRAPHY WITHIN PHASES I THROUGH IV AREAS COMPILED BY KUCERA INTERNATIONAL INC., OF WILLOUGHBY, OHIO USING PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHS DATED JUNE 1, 2009.
2. FILLING GRADES AND ELEVATIONS ARE APPROXIMATE, SEE PERMITTED FILLING PLAN PREPARED BY SCS ENGINEERS, DATED MARCH 2004, FOR GRADES AND ELEVATIONS.
3. OPERATIONAL AND FINAL GRADES SHALL NOT BE GREATER THAN 3:1.
4. MAINTAIN OPERATION BERMS AT ALL ACTIVE WORKING FACES TO CONTAIN ALL STORMWATER COMMINGLED WITH WASTE.
5. MAINTAIN POSITIVE DRAINAGE AT ALL TIMES.

**HDR**

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| PROJECT MANAGER | R. SIEMERING      |
| REVIEWED BY     | T. M. YANOSCHAK   |
| CIVIL DESIGN    | C. RESTREPO       |
| DRAWN BY        | L. KARSHNER       |
| DRAWN BY        | B. JOHNSON        |
| PROJECT NUMBER  | 001916-125174-002 |



**Central County Solid Waste  
Disposal Complex  
PHASE I CLASS I LANDFILL  
CLOSURE  
PERMIT DRAWINGS**

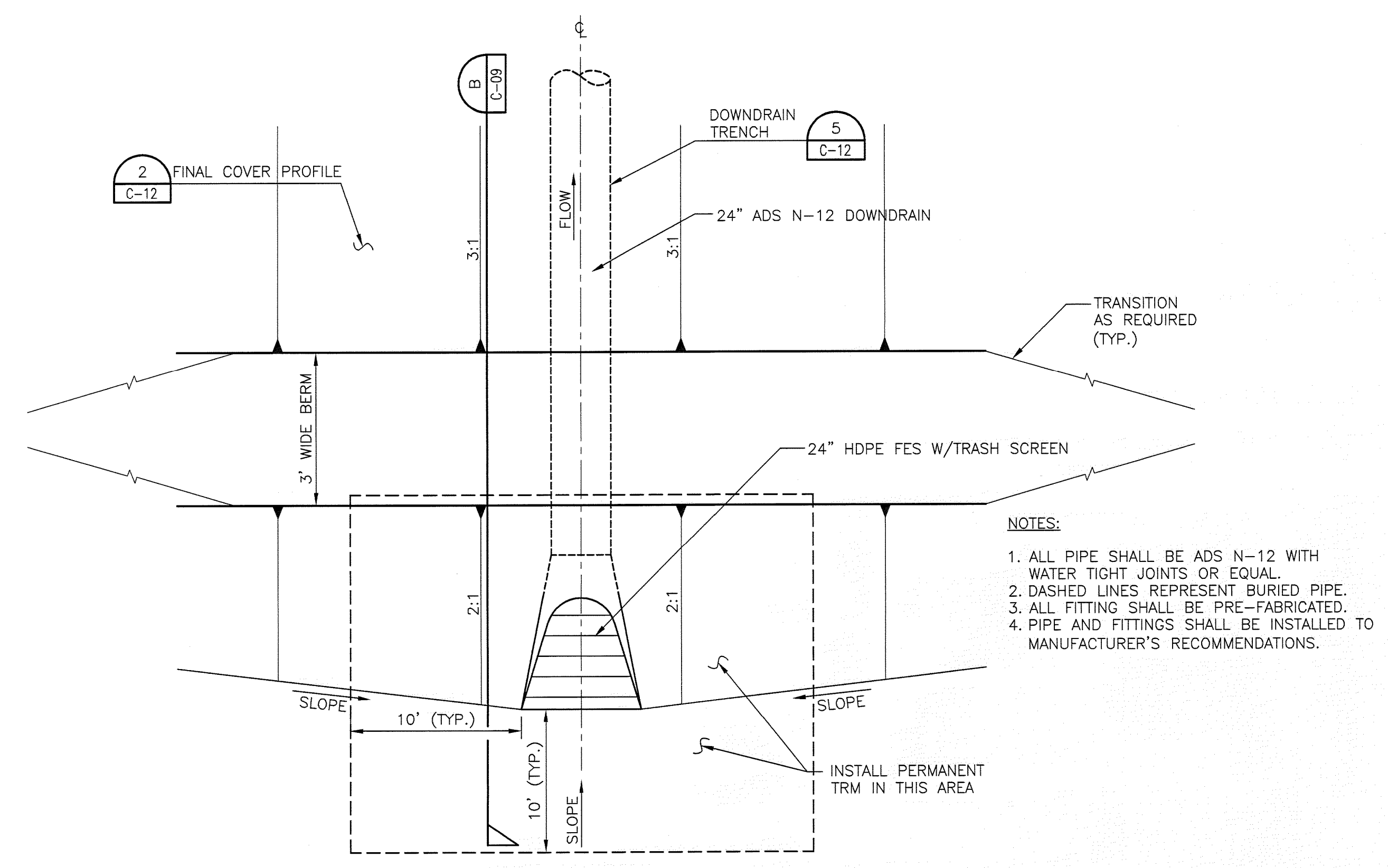
SARASOTA COUNTY

FLORIDA

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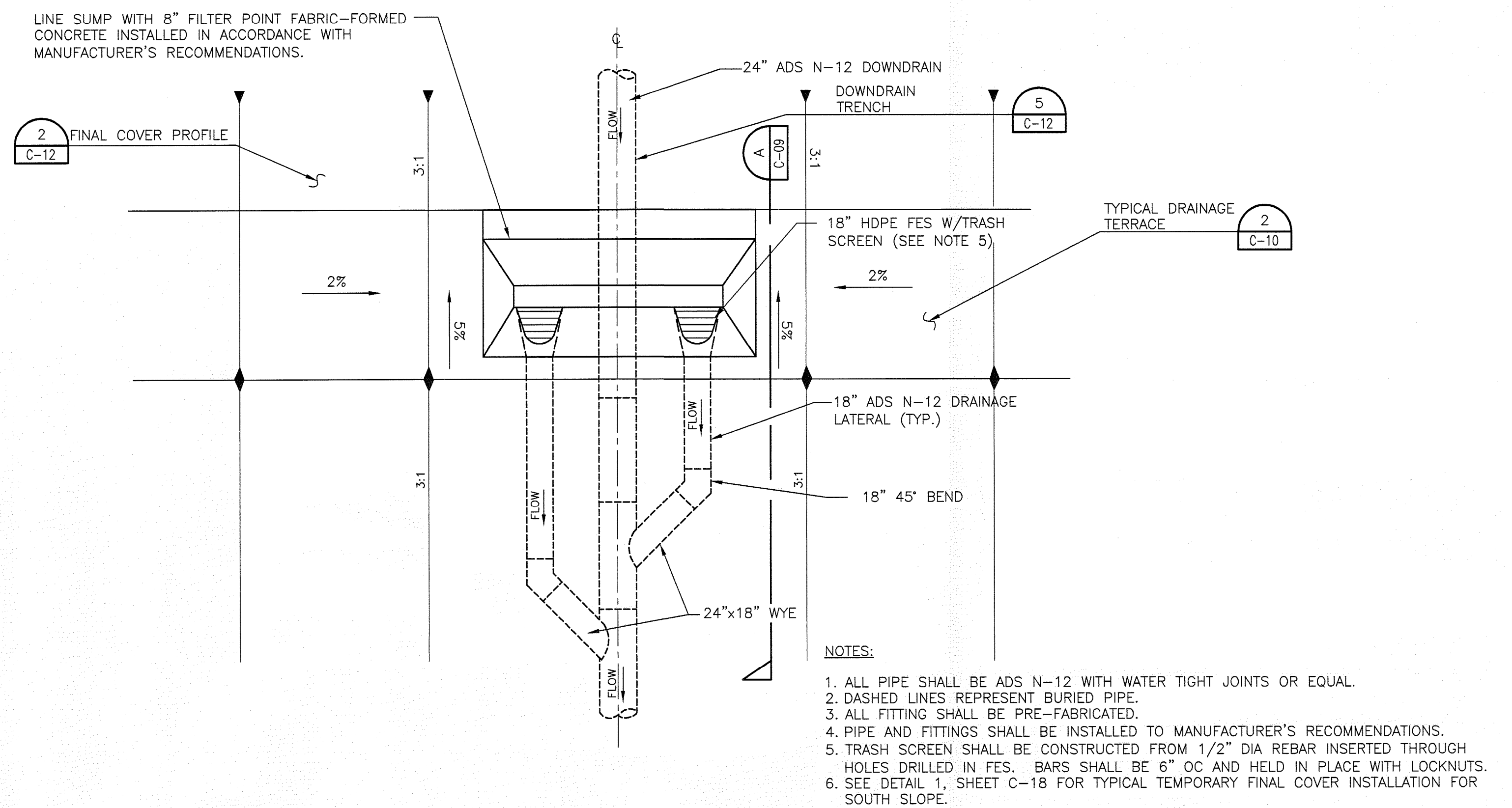
FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
JUL 16 2010  
SOUTHWEST DISTRICT  
TAMPA





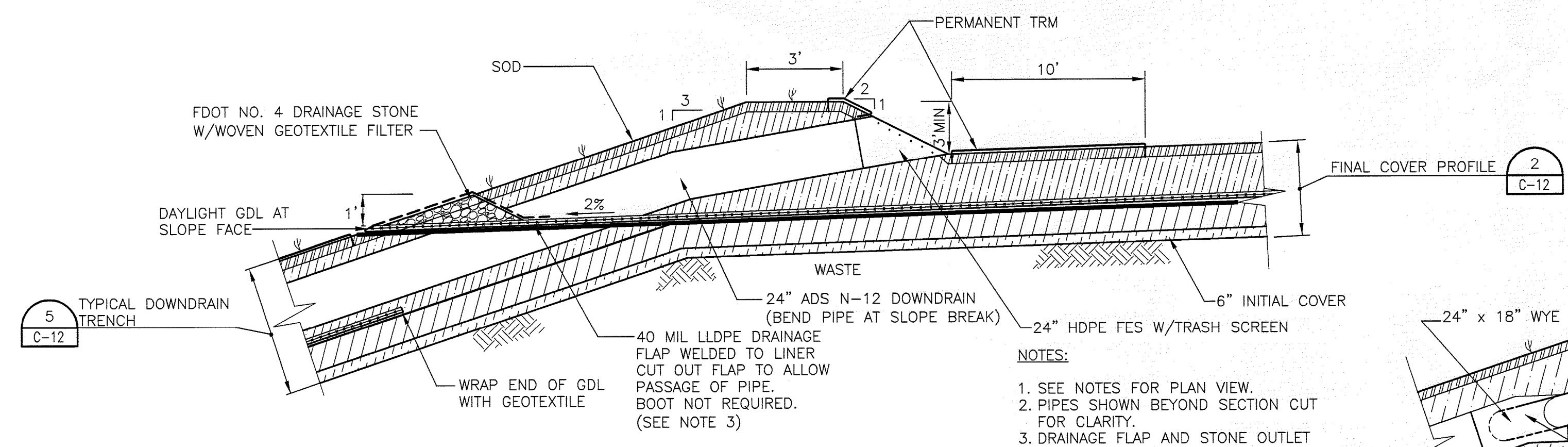
PLAN VIEW

DOWNDRAIN AT TOP OF LANDFILL  
NOT TO SCALE

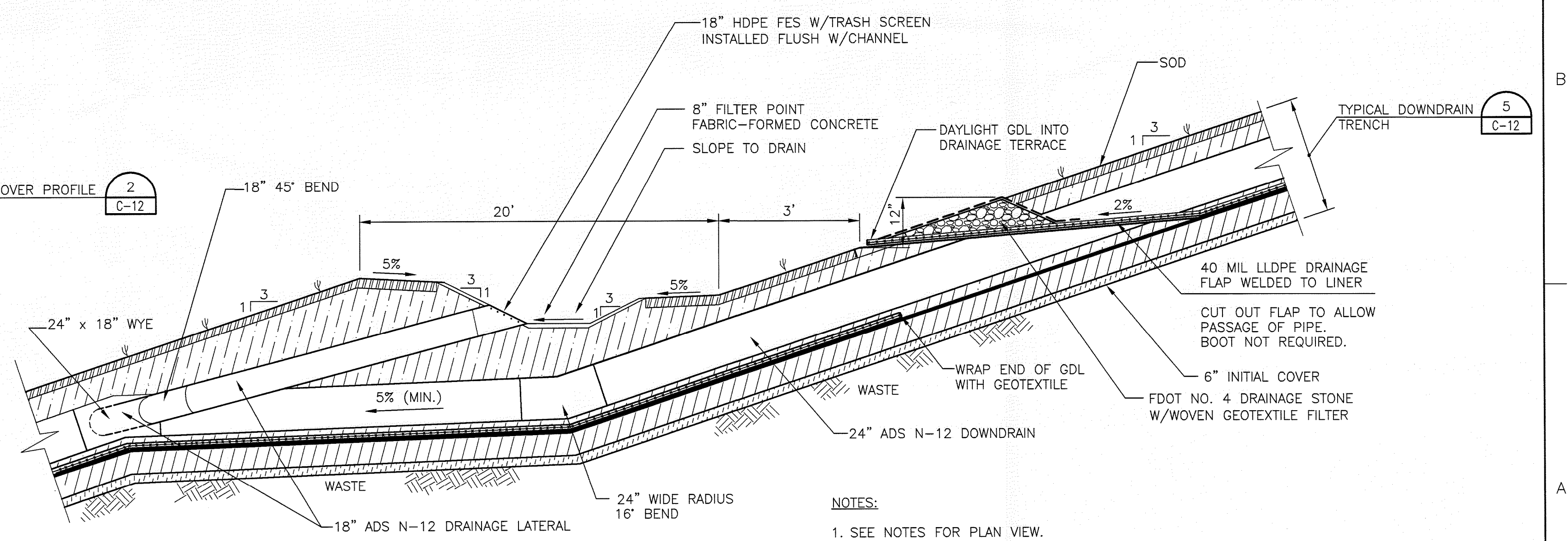


PLAN VIEW

TERRACE / DOWNDRAIN INTERSECTION (NORTH AND EAST SLOPES)  
NOT TO SCALE



SECTION B  
NOT TO SCALE



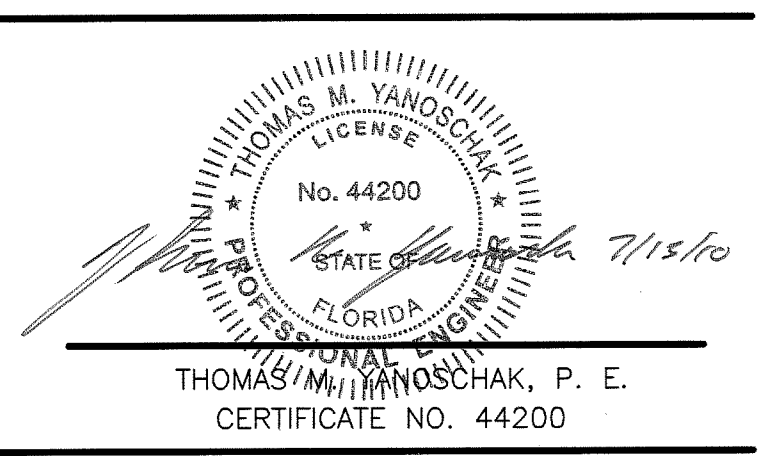
SECTION A  
NOT TO SCALE



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Sarasota, FL 34232-6212  
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CA00004213

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| B     | 6/2010 | ISSUED FOR RAI #1 |
| A     | 4/2010 | ISSUED FOR PERMIT |

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| PROJECT MANAGER | R. SIEMERING      |
| REVIEWED BY     | T. M. YANOSCHAK   |
| CIVIL DESIGN    | C. RESTREPO       |
| DRAWN BY        | L. KARSHNER       |
| DRAWN BY        | B. JOHNSON        |
| PROJECT NUMBER  | 001916-125174-002 |



**Central County Solid Waste Disposal Complex**  
**PHASE I CLASS I LANDFILL CLOSURE**  
**PERMIT DRAWINGS**

SARASOTA COUNTY  
FLORIDA

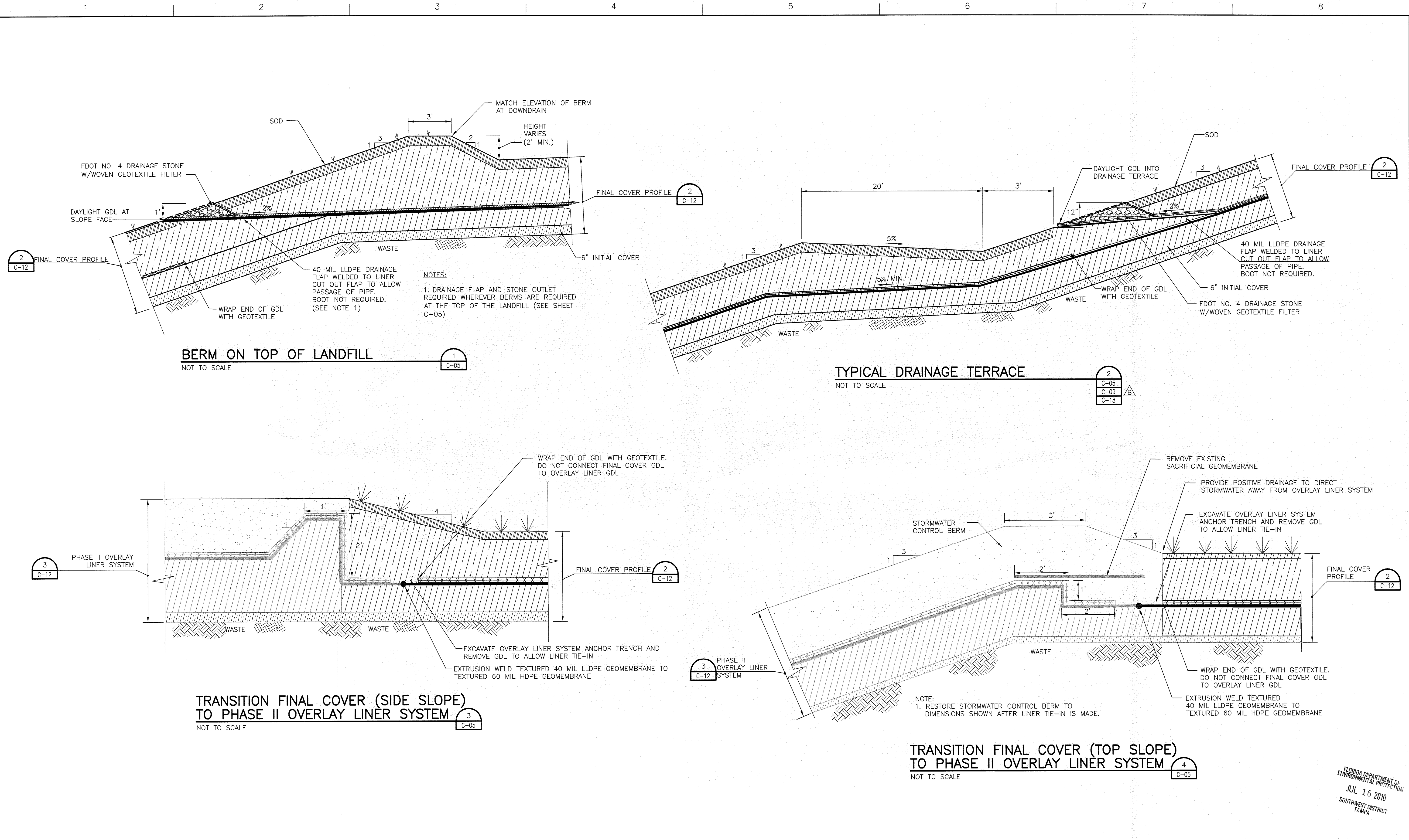
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0 1" 2"

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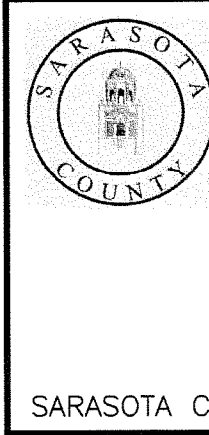
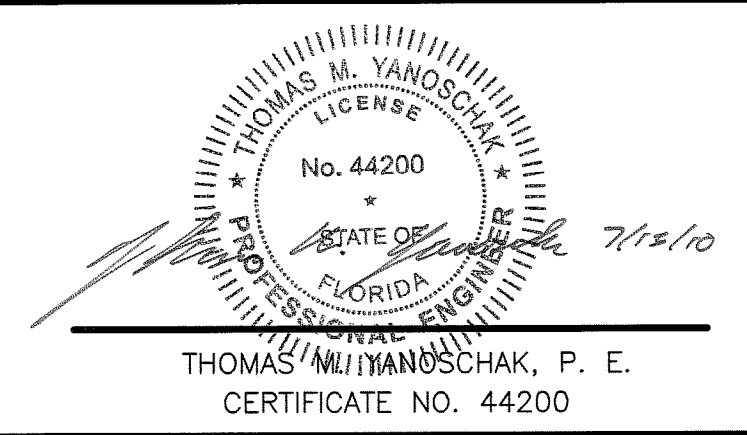
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
JUL 16 2010  
SOUTHWEST DISTRICT TAMPA





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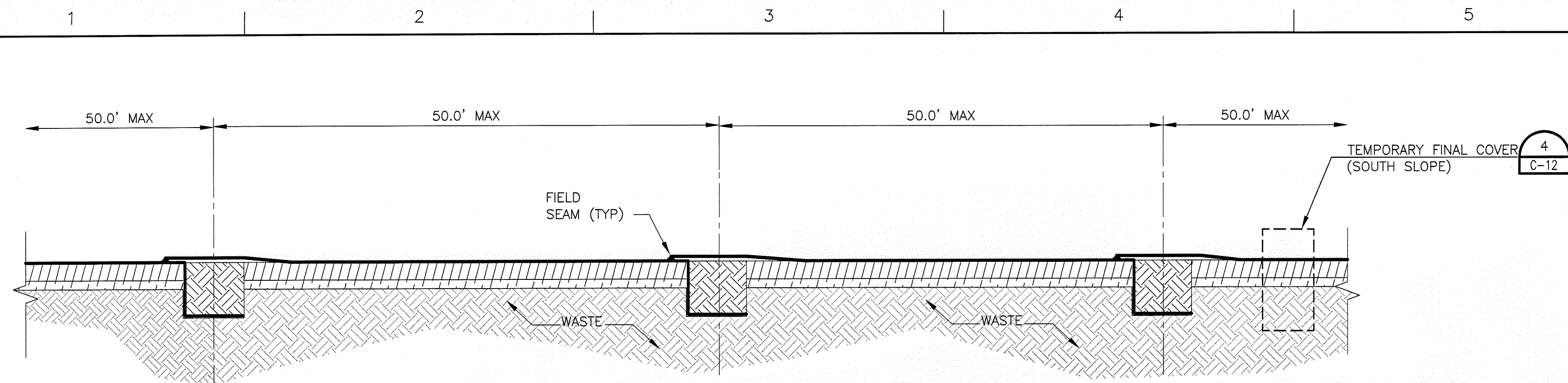


**Central County Solid Waste Disposal Complex**  
**PHASE I CLASS I LANDFILL CLOSURE**  
**PERMIT DRAWINGS**

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JUL 16 2010  
SOUTHWEST DISTRICT  
TAMPA





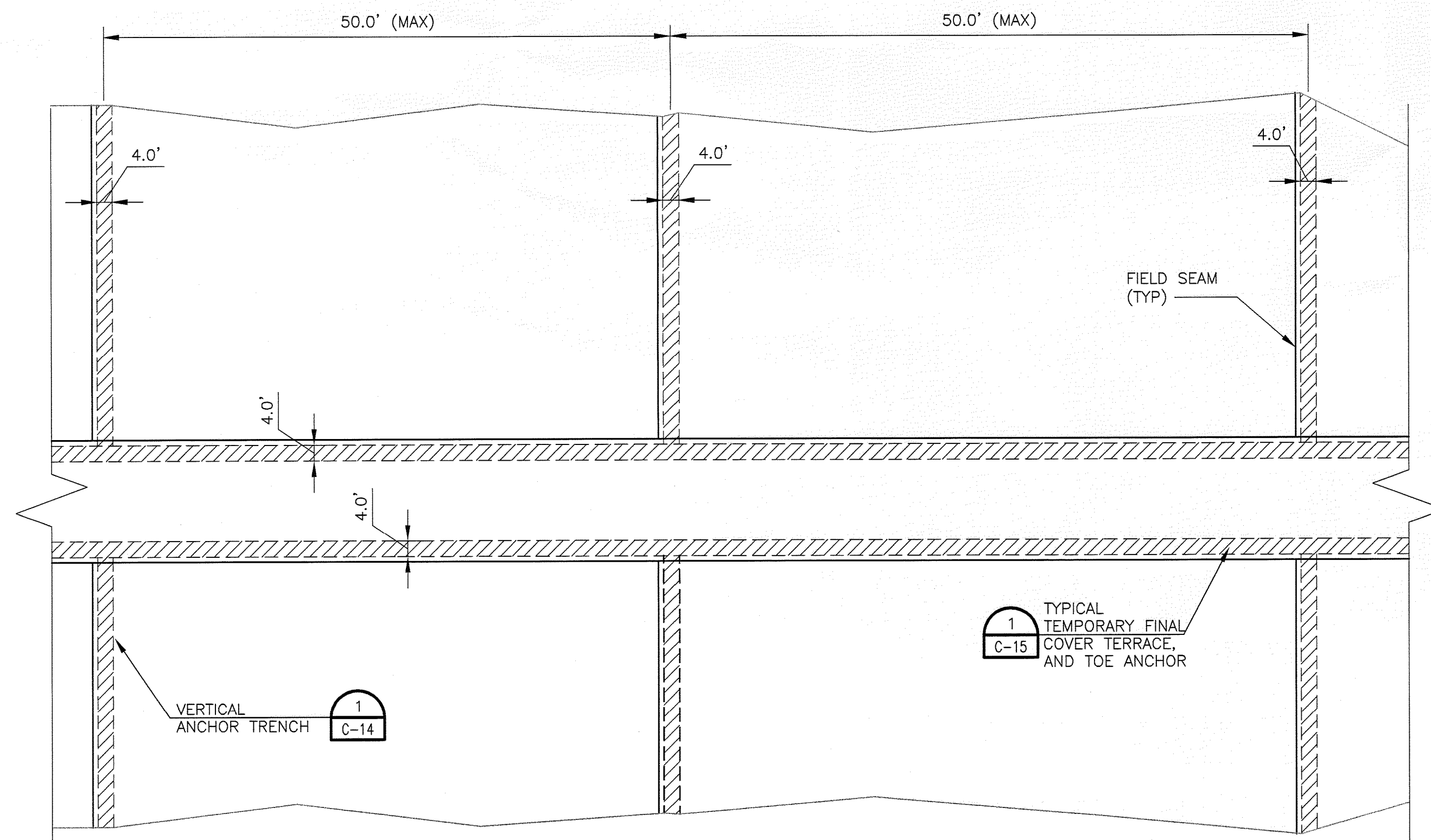
### VERTICAL ANCHOR TRENCH SPACING

N.T.S.

1  
C-13  
C-14

#### NOTES:

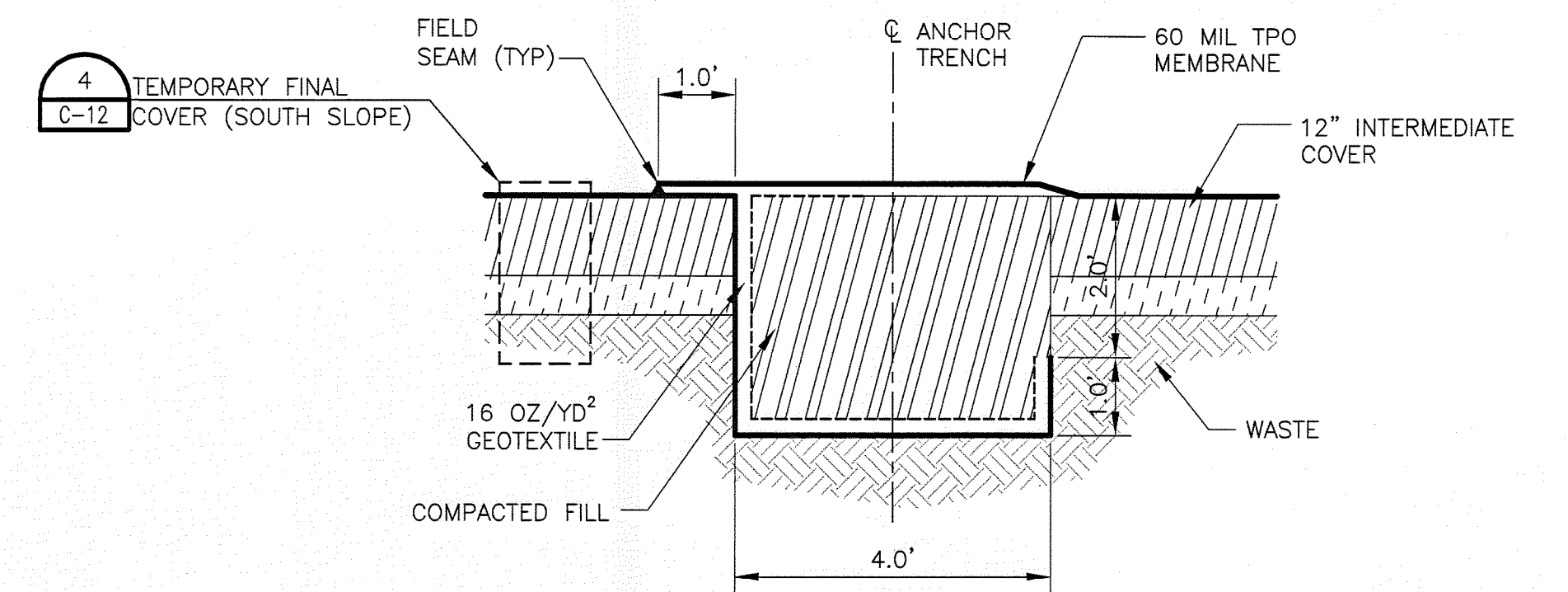
1. MAXIMUM CENTER TO CENTER DISTANCE OF VERTICAL ANCHOR TRENCHES SHALL NOT EXCEED 50 FT. ON 3:1 SIDESLOPES. HORIZONTAL ANCHOR TRENCHES SHOWN IN THE 2:1 SIDESLOPES SHALL NOT EXCEED 25 FT IN THE UPPER 1/3 OF SIDESLOPE AND 32 FT BELOW THE UPPER 1/3 OF THE SIDESLOPE.
2. THE CENTER TO CENTER DIMENSIONS SHOWN ARE CONCEPTUAL AND SUBJECT TO CHANGE BASED ON CONTRACTORS APPROVED PANEL LAYOUT.
3. DURING INSTALLATION OF TEMPORARY FINAL COVER (INCLUDING HORIZONTAL AND VERTICAL TRENCHES) THE CONTRACTOR SHALL MINIMIZE THE AMOUNT OF OPEN TRENCHES FOR ODOR AND STORMWATER CONTROL.
4. CONSTRUCTION ACTIVITIES SHALL BE SEQUENCED TO ALLOW GEOMEMBRANE TO BE PLACED IN THE ANCHOR TRENCH IMMEDIATELY FOLLOWING THE EXCAVATION OF THE ANCHOR TRENCH.
5. AS SOON AS CONSTRUCTION QUALITY ASSURANCE (CQA) PERSONNEL HAVE APPROVED THE DIMENSIONS, ALL OPEN TRENCHES SHALL BE BACKFILLED WITH SOIL AT THE END OF THE DAY.
6. CONTRACTOR SHALL USE CLEAN BACKFILL FOR ANCHORS. ANY SOLID WASTE REMOVED DURING EXCAVATION MUST BE PROPERLY DISPOSED OF IN ADJACENT ACTIVE LANDFILL CELL.
7. WEDGE WELD END OF GEOMEMBRANE PANEL TO BEGINNING OF NEW GEOMEMBRANE PANEL AND CONTINUE DOWNSLOPE. FLAP OF WEDGE WELD TO BE ON TOP IN THE DOWNSLOPE DIRECTION.
8. WELDS CONNECTING DOWNSLOPE SHEETS SHALL BE DOUBLE WEDGE WELDS, AND SHALL HAVE A MINIMUM 10 FT. VERTICAL OFFSET BETWEEN ADJACENT PANEL WELDS.
9. HOT ARC WELDS SHALL BE USED ONLY WHEN WEDGE WELDS ARE NOT FEASIBLE.
10. SEE SHEET 00C-13 FOR PLACEMENT OF TYPE 1, 2, AND 3 ANCHOR TRENCHES FOR VERTICAL ANCHOR TRENCHES.



### TYPICAL ANCHORING PLAN

N.T.S.

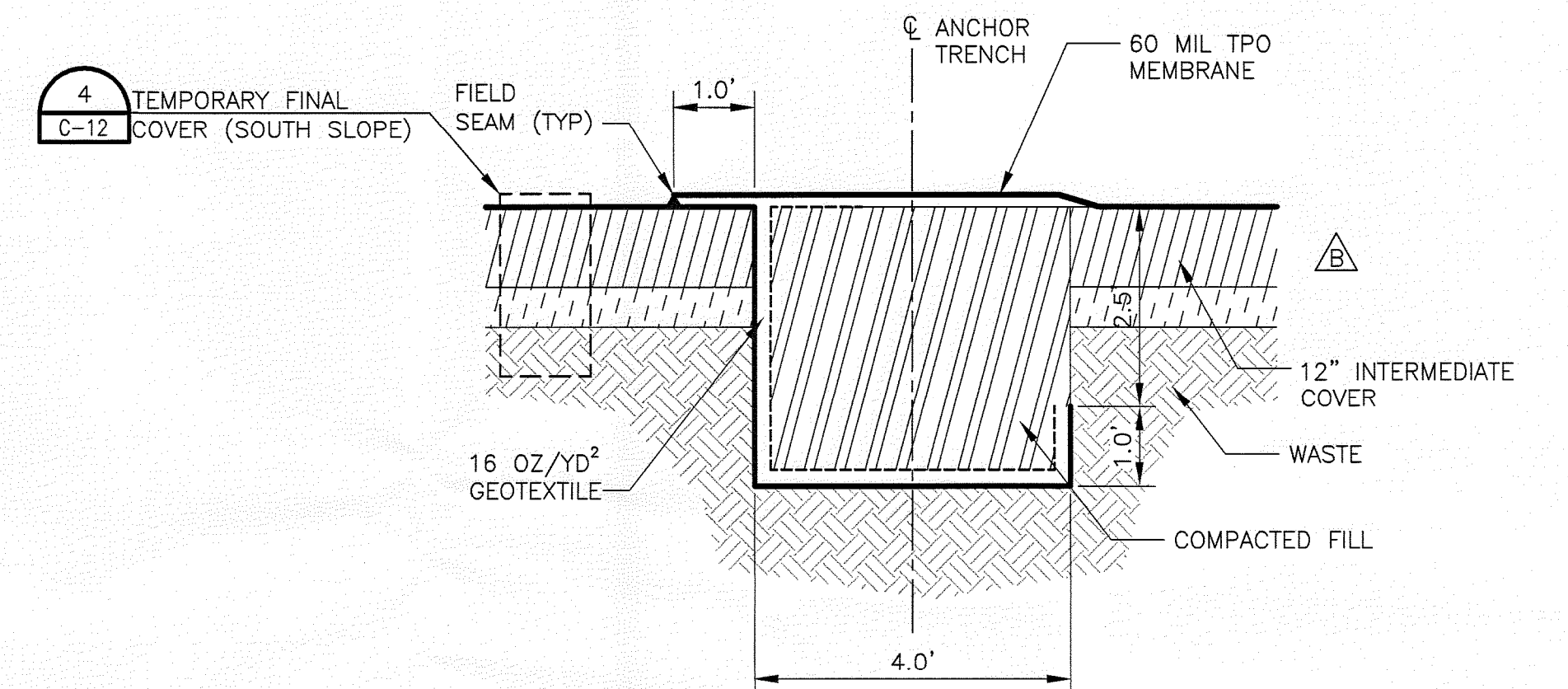
2  
C-14



### ANCHOR TRENCH (TYPE 1) - 3-FT DEPTH

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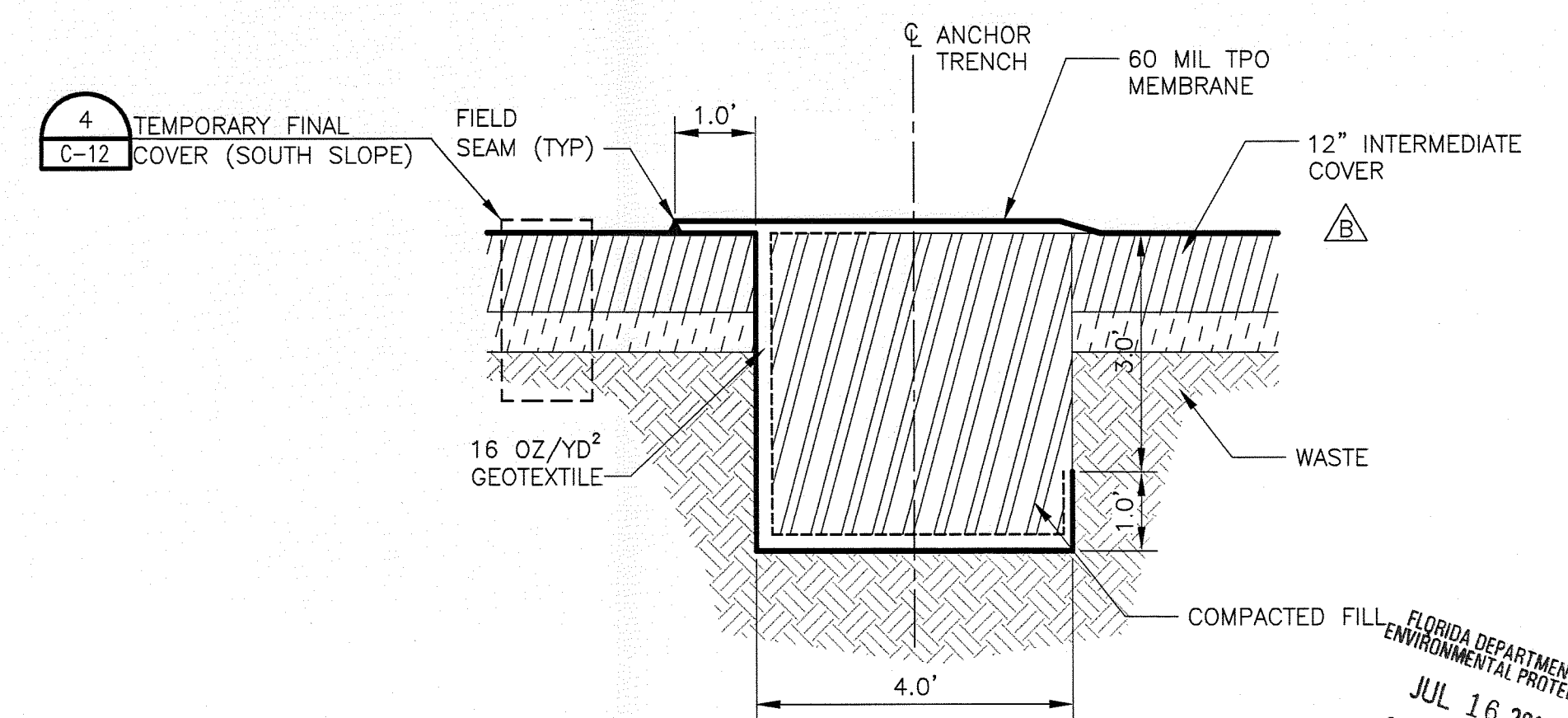
3  
C-13



### ANCHOR TRENCH (TYPE 2) - 3.5-FT DEPTH

N.T.S.

4  
C-13



### ANCHOR TRENCH (TYPE 3) - 4-FT DEPTH

N.T.S.

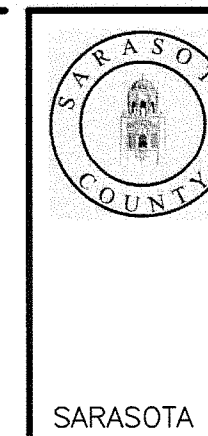
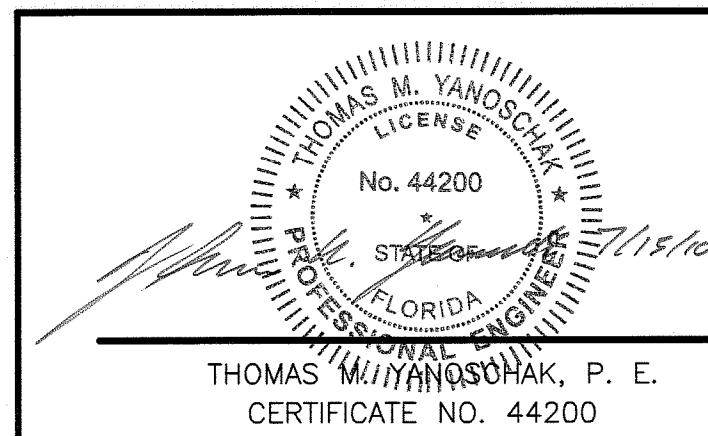
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C-13

**HDR**

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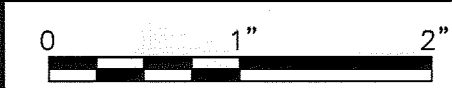
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|-----------------|-------------------|
| PROJECT MANAGER | R. SIEMERING      |
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**Central County Solid Waste  
Disposal Complex  
PHASE I CLASS I LANDFILL  
CLOSURE  
PERMIT DRAWINGS**

FLORIDA

**PHASE I TEMPORARY FINAL COVER  
ANCHOR TRENCH SECTIONS AND DETAILS**



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| SCALE    | N.T.S.     |

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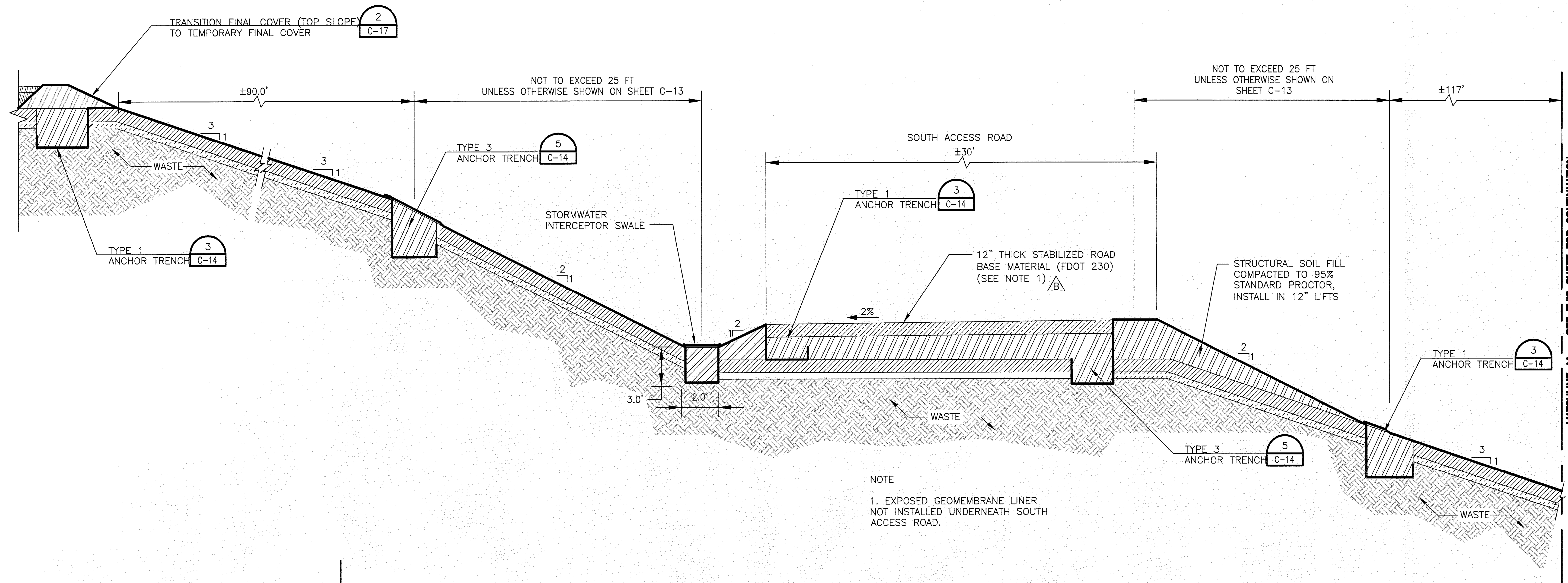
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JUL 16 2010  
SOUTHWEST DISTRICT  
TAMPA



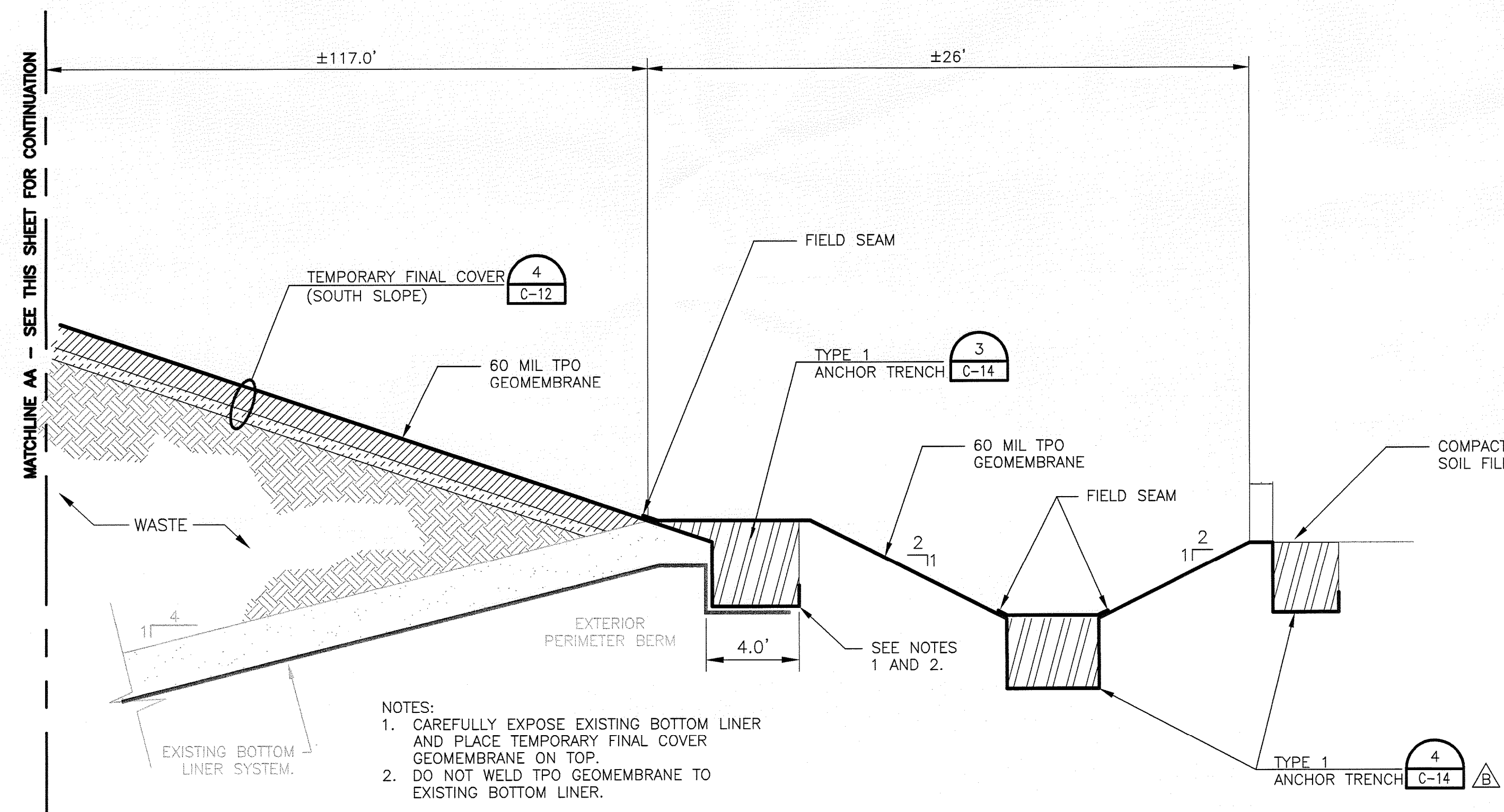




1 2 3 4 5 6 7 8



NOTE  
1. EXPOSED GEOMEMBRANE LINER  
NOT INSTALLED UNDERNEATH SOUTH  
ACCESS ROAD.



TYPICAL TEMPORARY FINAL COVER  
ALONG SOUTH ROAD SIDE SLOPE  
N.T.S.

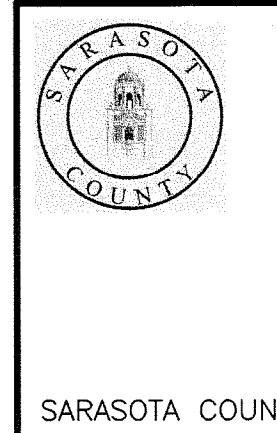
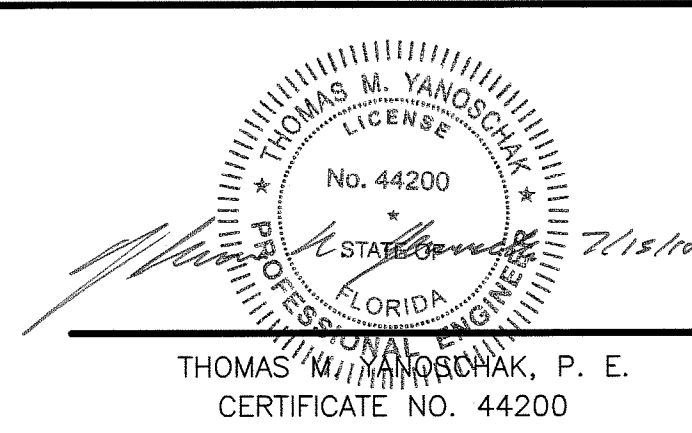
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JUL 13 2010  
SOUTHWEST DISTRICT  
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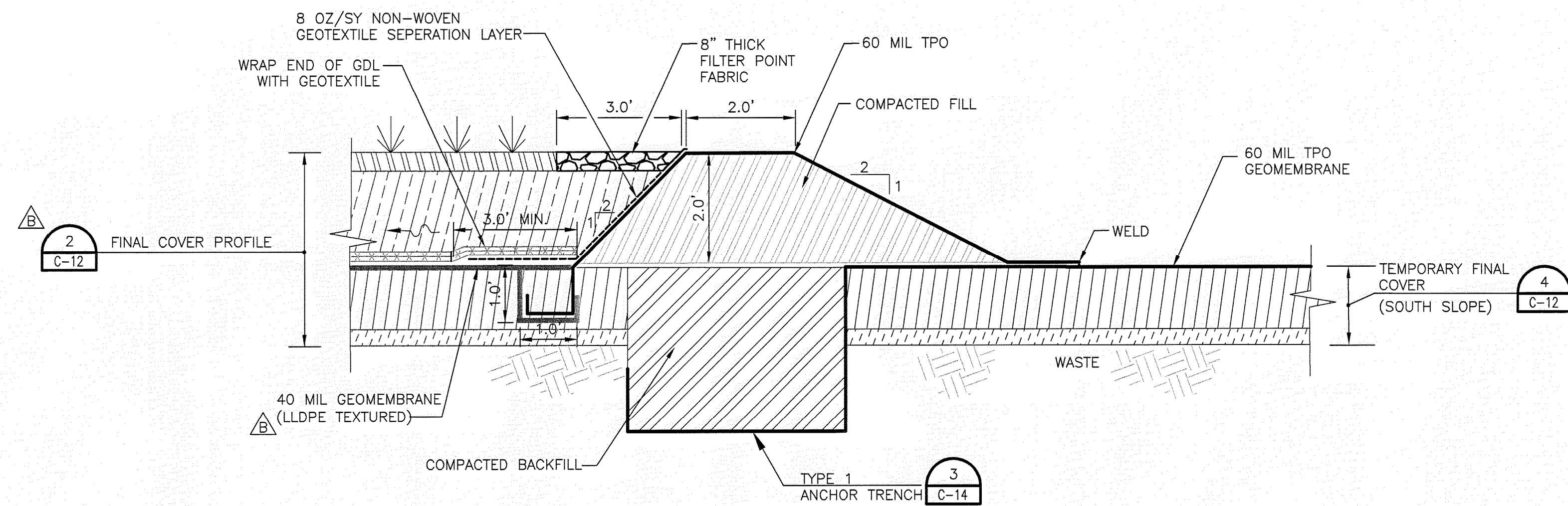
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|-----------------|-------------------|
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| PROJECT NUMBER  | 001916-125174-002 |



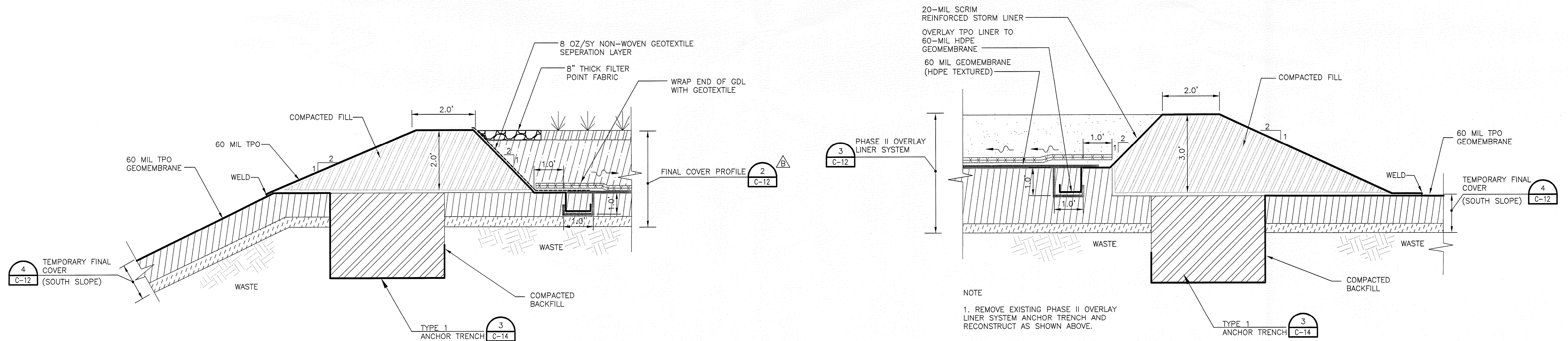
Central County Solid Waste  
Disposal Complex  
PHASE I CLASS I LANDFILL  
CLOSURE  
PERMIT DRAWINGS  
FLORIDA

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|   |          | 00C-16     |





**TRANSITION FINAL COVER (SIDESLOPE)  
TO TEMPORARY FINAL COVER**  
NOT TO SCALE



**TRANSITION FINAL COVER (TOPSLOPE)  
TO TEMPORARY FINAL COVER**  
NOT TO SCALE

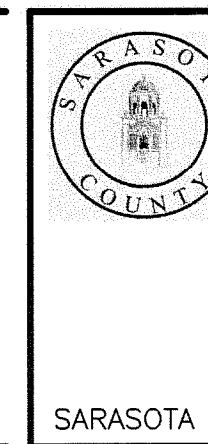
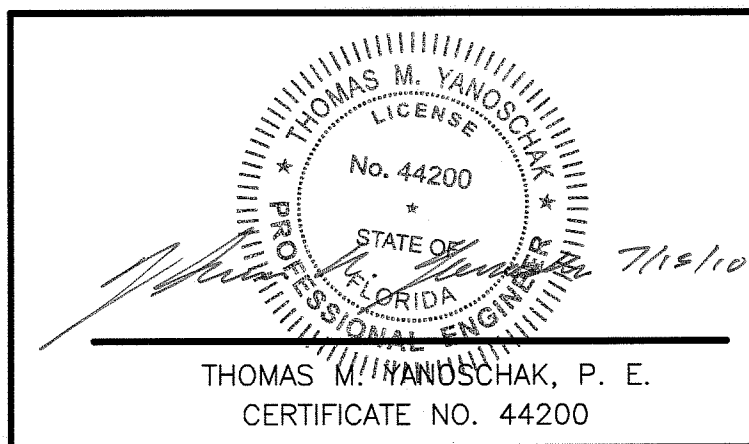
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TO TEMPORARY FINAL COVER**  
NOT TO SCALE

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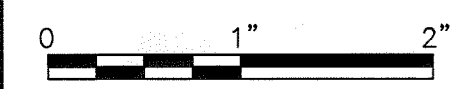
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**Central County Solid Waste  
Disposal Complex  
PHASE I CLASS I LANDFILL  
CLOSURE  
PERMIT DRAWINGS**

**PHASE I TEMPORARY FINAL COVER  
CLOSURE DETAILS**



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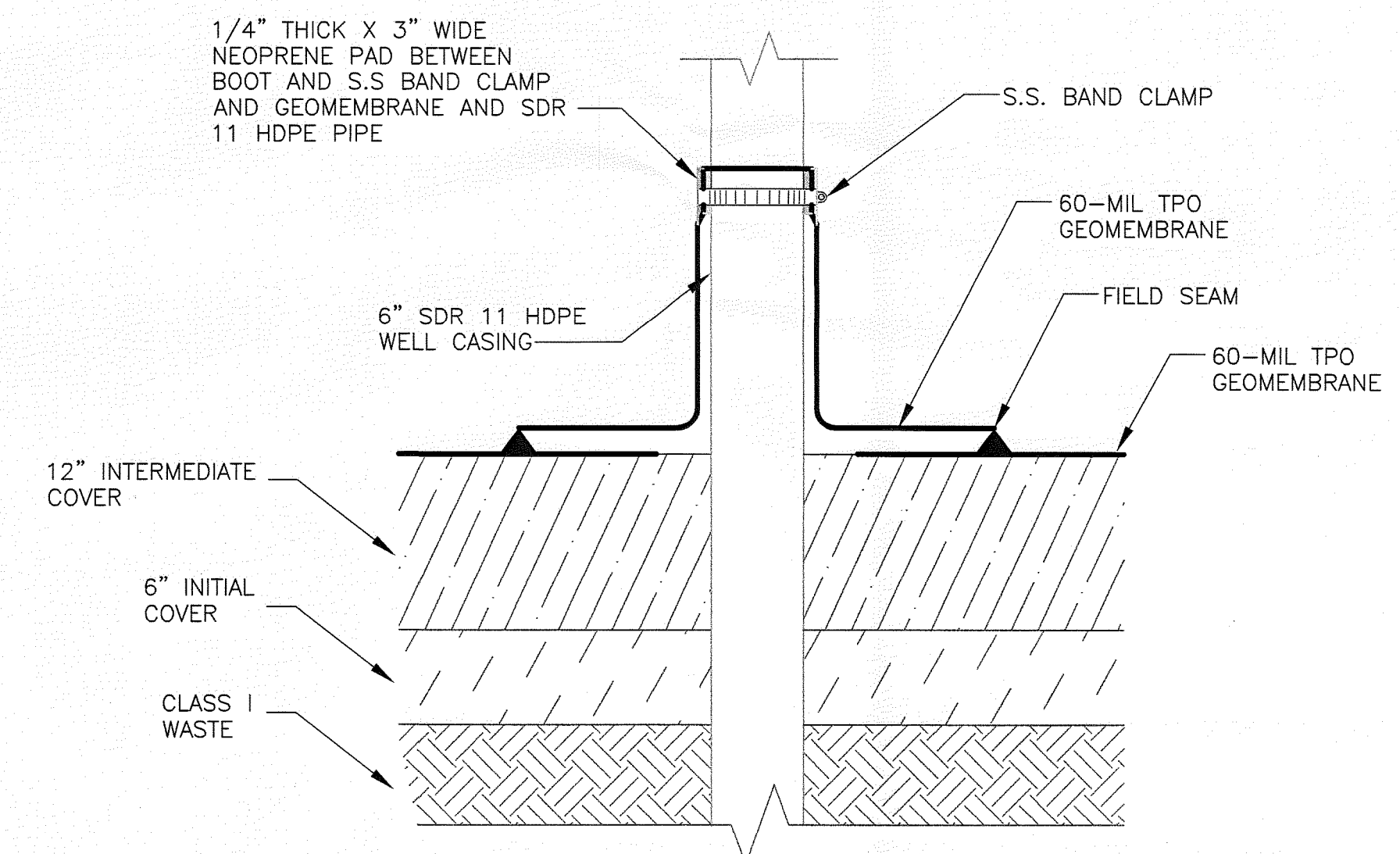
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TAMPA



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SOUTHWEST DISTRICT  
TAMPA





LANDFILL GAS EXTRACTION  
WELL BOOT DETAIL

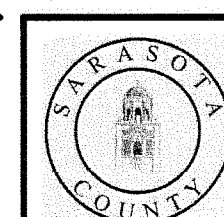
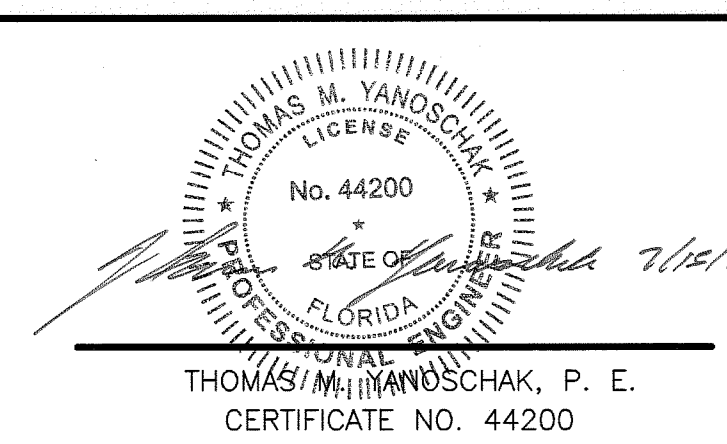
NOT TO SCALE

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JUL 16 2010  
SOUTHWEST DISTRICT  
TAMPA

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**Central County Solid Waste  
Disposal Complex  
PHASE I CLASS I LANDFILL  
CLOSURE  
PERMIT DRAWINGS**

SARASOTA COUNTY

FLORIDA

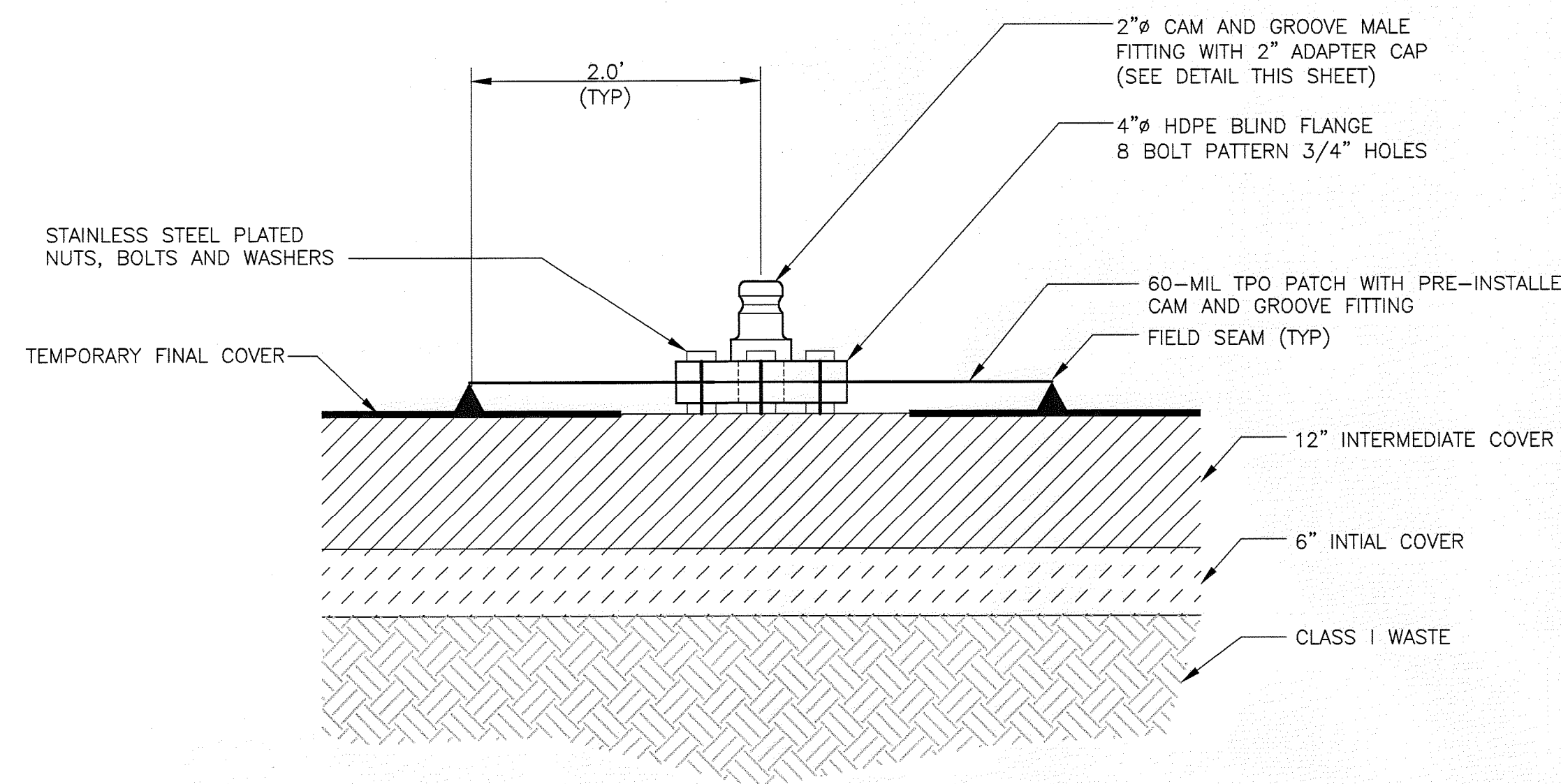
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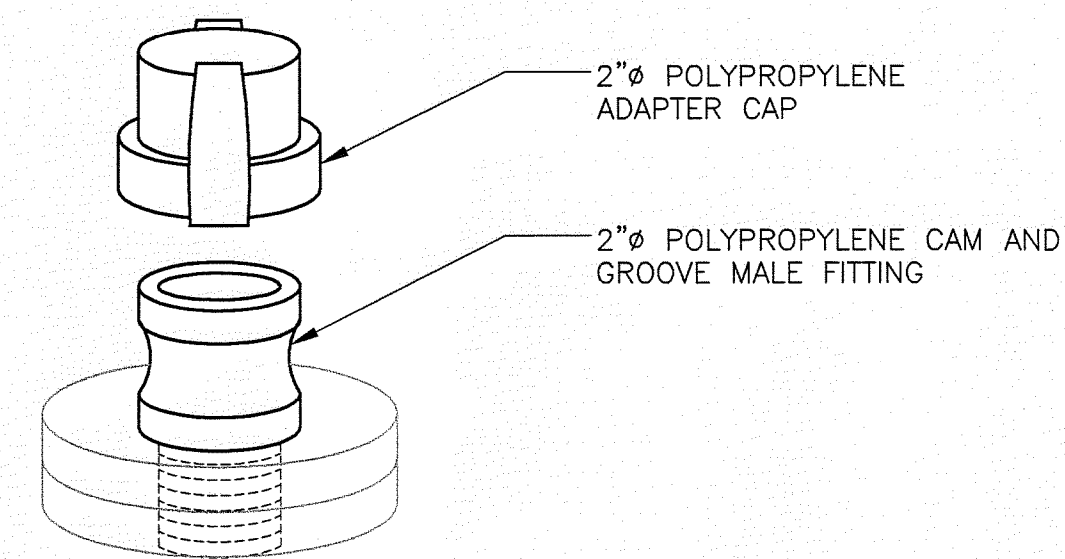
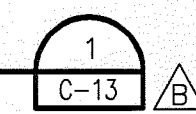
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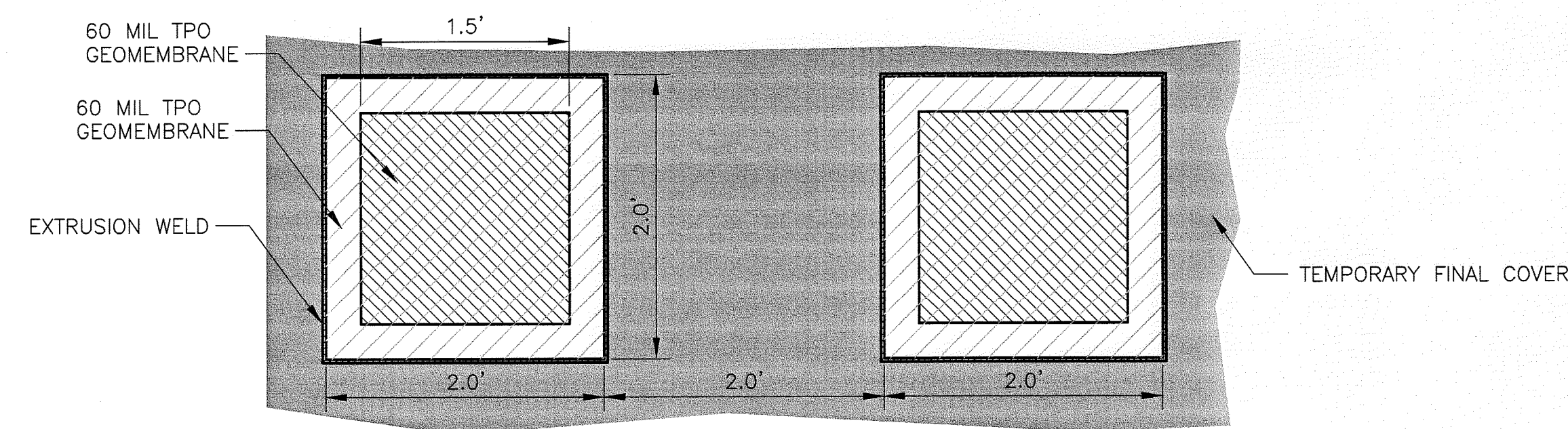
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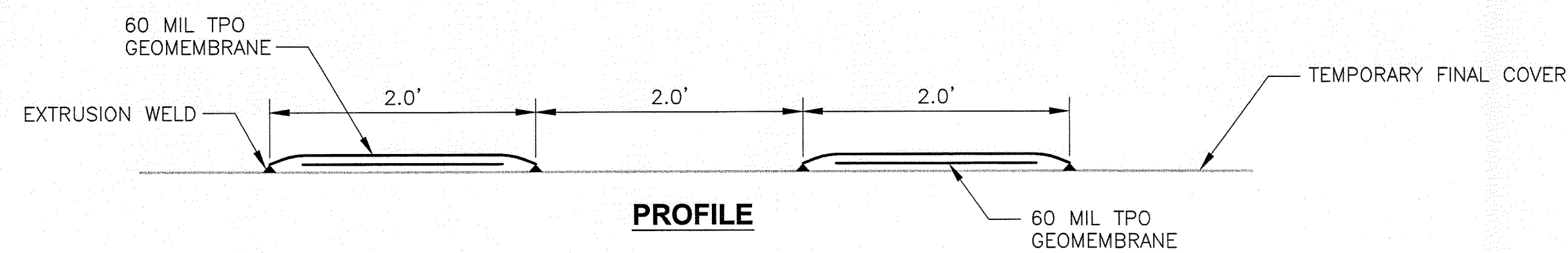


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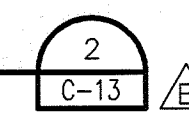
### PLAN



### PROFILE

### GEOMEMBRANE TEST PANELS

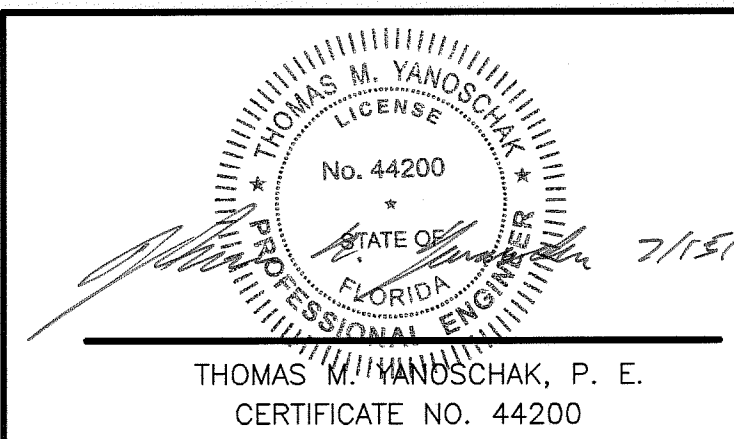
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**Central County Solid Waste  
Disposal Complex  
PHASE I CLASS I LANDFILL  
CLOSURE  
PERMIT DRAWINGS**

SARASOTA COUNTY

FLORIDA

### PHASE I TEMPORARY FINAL COVER CLOSURE DETAILS

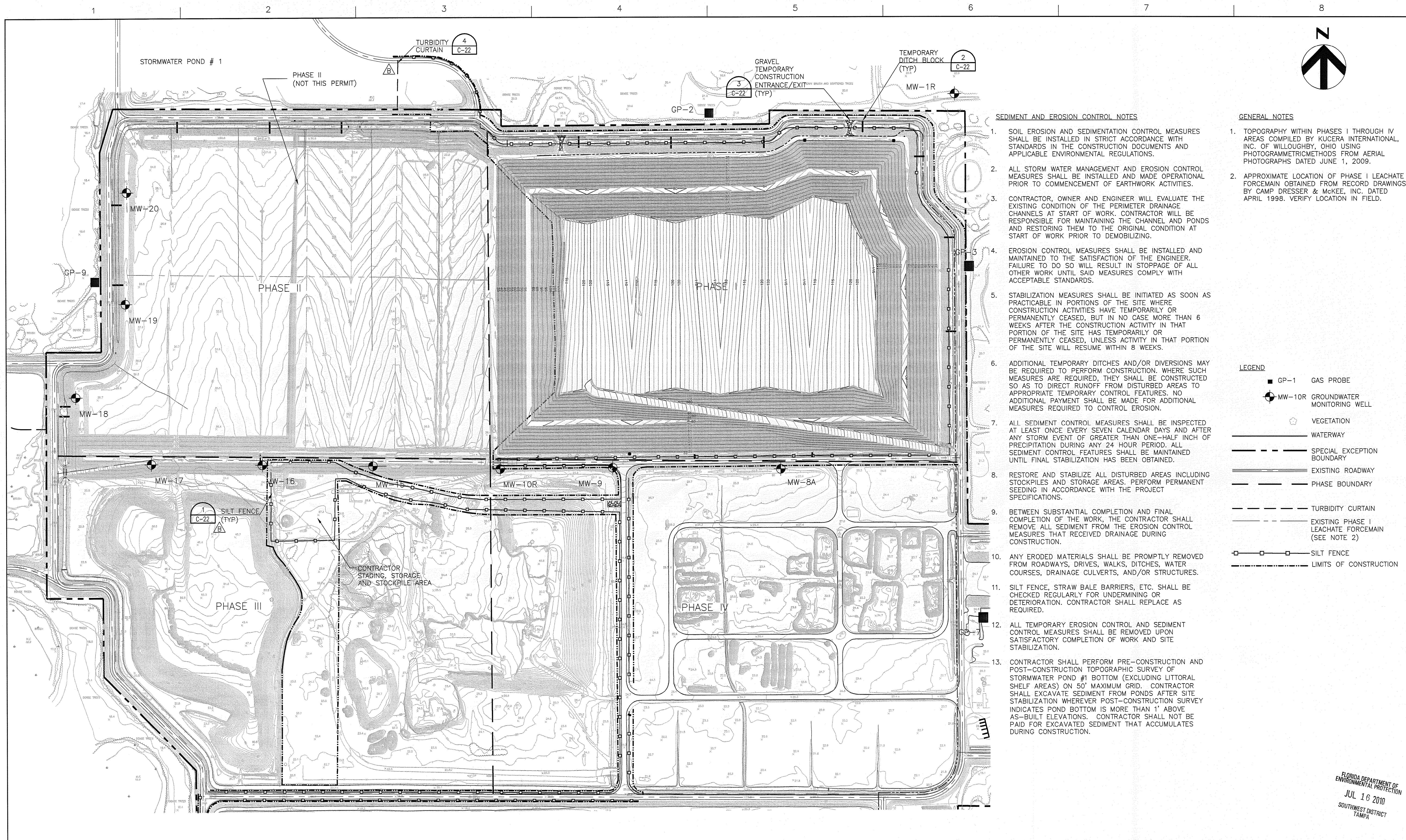


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FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
JUL 16 2010  
SOUTHWEST DISTRICT  
TAMPA





SEDIMENT AND EROSION CONTROL NOTES

1. SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH STANDARDS IN THE CONSTRUCTION DOCUMENTS AND APPLICABLE ENVIRONMENTAL REGULATIONS.
2. ALL STORM WATER MANAGEMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED AND MADE OPERATIONAL PRIOR TO COMMENCEMENT OF EARTHWORK ACTIVITIES.
3. CONTRACTOR, OWNER AND ENGINEER WILL EVALUATE THE EXISTING CONDITION OF THE PERIMETER DRAINAGE CHANNELS AT START OF WORK. CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THE CHANNEL AND PONDS AND RESTORING THEM TO THE ORIGINAL CONDITION AT START OF WORK PRIOR TO DEMOBILIZING.
4. EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED TO THE SATISFACTION OF THE ENGINEER. FAILURE TO DO SO WILL RESULT IN STOPPAGE OF ALL OTHER WORK UNTIL SAID MEASURES COMPLY WITH ACCEPTABLE STANDARDS.
5. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 6 WEEKS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN 8 WEEKS.
6. ADDITIONAL TEMPORARY DITCHES AND/OR DIVERSIONS MAY BE REQUIRED TO PERFORM CONSTRUCTION. WHERE SUCH MEASURES ARE REQUIRED, THEY SHALL BE CONSTRUCTED SO AS TO DIRECT RUNOFF FROM DISTURBED AREAS TO APPROPRIATE TEMPORARY CONTROL FEATURES. NO ADDITIONAL PAYMENT SHALL BE MADE FOR ADDITIONAL MEASURES REQUIRED TO CONTROL EROSION.
7. ALL SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND AFTER ANY STORM EVENT OF GREATER THAN ONE-HALF INCH OF PRECIPITATION DURING ANY 24 HOUR PERIOD. ALL SEDIMENT CONTROL FEATURES SHALL BE MAINTAINED UNTIL FINAL STABILIZATION HAS BEEN OBTAINED.
8. RESTORE AND STABILIZE ALL DISTURBED AREAS INCLUDING STOCKPILES AND STORAGE AREAS. PERFORM PERMANENT SEEDING IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
9. BETWEEN SUBSTANTIAL COMPLETION AND FINAL COMPLETION OF THE WORK, THE CONTRACTOR SHALL REMOVE ALL SEDIMENT FROM THE EROSION CONTROL MEASURES THAT RECEIVED DRAINAGE DURING CONSTRUCTION.
10. ANY ERODED MATERIALS SHALL BE PROMPTLY REMOVED FROM ROADWAYS, DRIVES, WALKS, DITCHES, WATER COURSES, DRAINAGE CULVERTS, AND/OR STRUCTURES.
11. SILT FENCE, STRAW BALE BARRIERS, ETC. SHALL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION. CONTRACTOR SHALL REPLACE AS REQUIRED.
12. ALL TEMPORARY EROSION CONTROL AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED UPON SATISFACTORY COMPLETION OF WORK AND SITE STABILIZATION.
13. CONTRACTOR SHALL PERFORM PRE-CONSTRUCTION AND POST-CONSTRUCTION TOPOGRAPHIC SURVEY OF STORMWATER POND #1 BOTTOM (EXCLUDING LITTORAL SHELF AREAS) ON 50' MAXIMUM GRID. CONTRACTOR SHALL EXCAVATE SEDIMENT FROM PONDS AFTER SITE STABILIZATION WHEREVER POST-CONSTRUCTION SURVEY INDICATES POND BOTTOM IS MORE THAN 1' ABOVE AS-BUILT ELEVATIONS. CONTRACTOR SHALL NOT BE PAID FOR EXCAVATED SEDIMENT THAT ACCUMULATES DURING CONSTRUCTION.

GENERAL NOTES

1. TOPOGRAPHY WITHIN PHASES I THROUGH IV AREAS COMPILED BY KUCERA INTERNATIONAL, INC. OF WILLOUGHBY, OHIO USING PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHS DATED JUNE 1, 2009.
2. APPROXIMATE LOCATION OF PHASE I LEACHATE FORCEMAIN OBTAINED FROM RECORD DRAWINGS BY CAMP DRESSER & McKEE, INC. DATED APRIL 1998. VERIFY LOCATION IN FIELD.

LEGEND

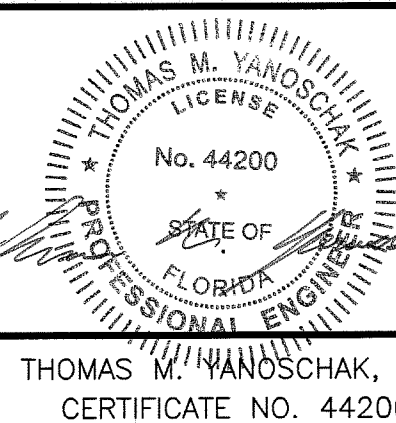
- GP-1 GAS PROBE
- MW-10R GROUNDWATER MONITORING WELL
- VEGETATION
- WATERWAY
- SPECIAL EXCEPTION BOUNDARY
- EXISTING ROADWAY
- PHASE BOUNDARY
- TURBIDITY CURTAIN
- EXISTING PHASE I LEACHATE FORCEMAIN (SEE NOTE 2)
- SILT FENCE
- LIMITS OF CONSTRUCTION

**HDR**

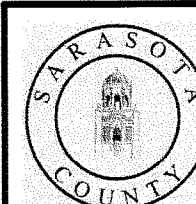
HDR Engineering, Inc.  
2621 Cattlemen Rd., Ste. 106  
Sarasota, FL 34232-6212  
(941) 342-2700  
CA00004213

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| B     | 6/2010 | ISSUED FOR RAI #1 |
| A     | 4/2010 | ISSUED FOR PERMIT |
| ISSUE | DATE   | DESCRIPTION       |

|                 |                   |
|-----------------|-------------------|
| PROJECT MANAGER | R. SIEMERING      |
| REVIEWED BY     | T. M. YANOSCHAK   |
| CIVIL DESIGN    | C. RESTREPO       |
| DRAWN BY        | L. KARSHNER       |
| DRAWN BY        | B. JOHNSON        |
| PROJECT NUMBER  | 001916-125174-002 |



THOMAS M. YANOSCHAK, P. E.  
CERTIFICATE NO. 44200

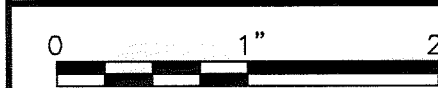


SARASOTA COUNTY

**Central County Solid Waste  
Disposal Complex  
PHASE I CLASS I LANDFILL  
CLOSURE  
PERMIT DRAWINGS**

FLORIDA

**SEDIMENTATION  
AND  
EROSION CONTROL PLAN**

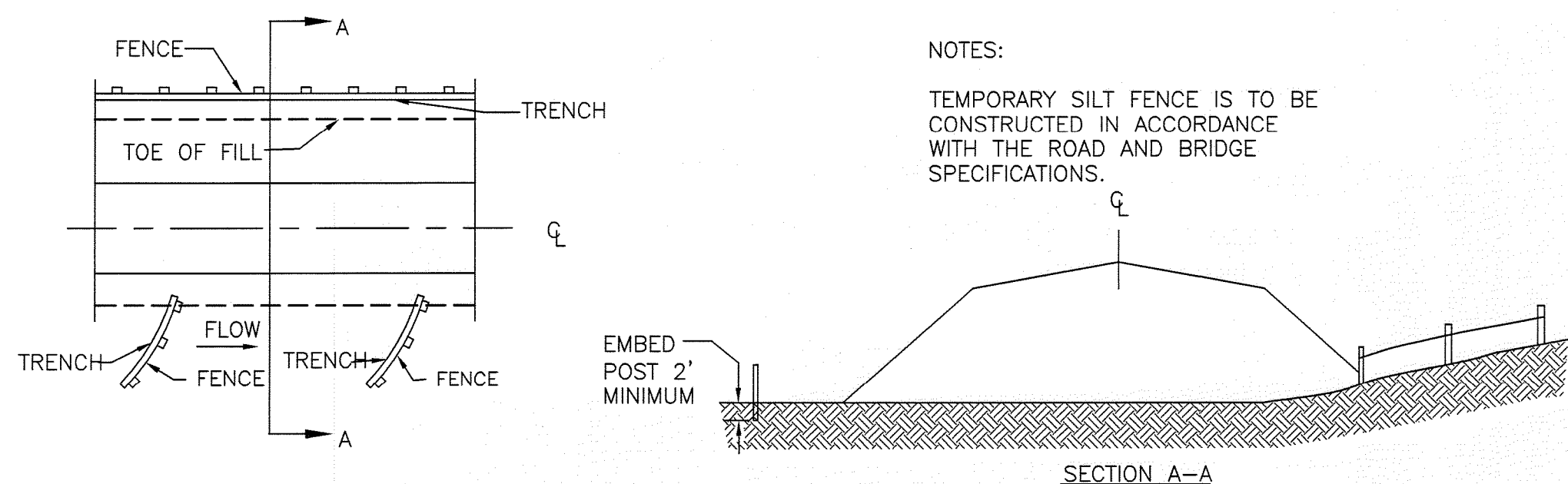


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| SCALE    | 1"=200' |

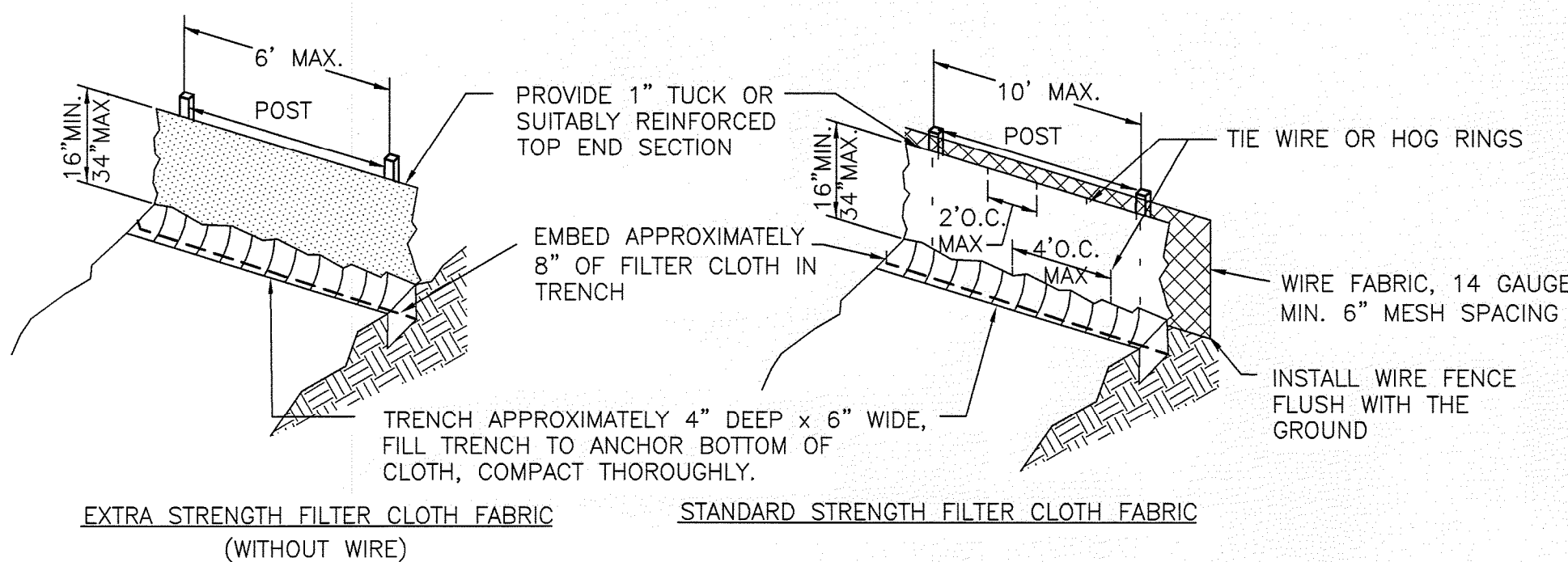
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FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
JUL 16 2010  
SOUTHWEST DISTRICT  
TAMPA





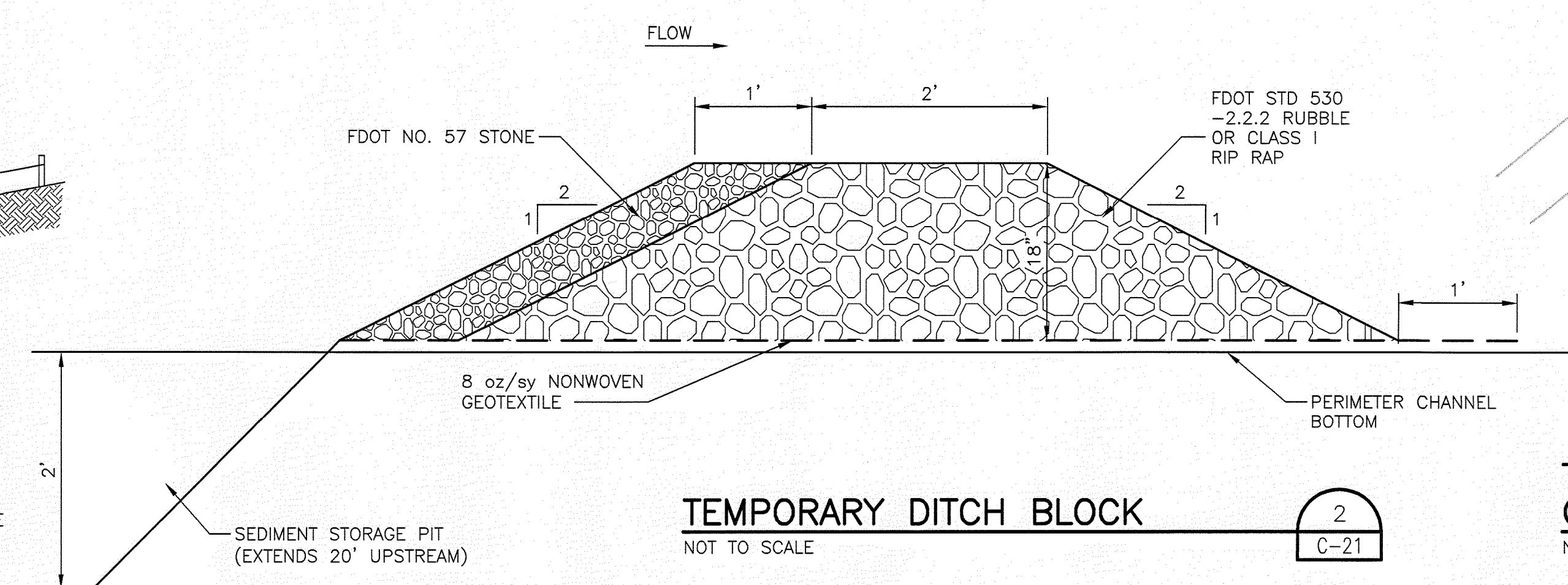
NOTES:  
TEMPORARY SILT FENCE IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE ROAD AND BRIDGE SPECIFICATIONS.



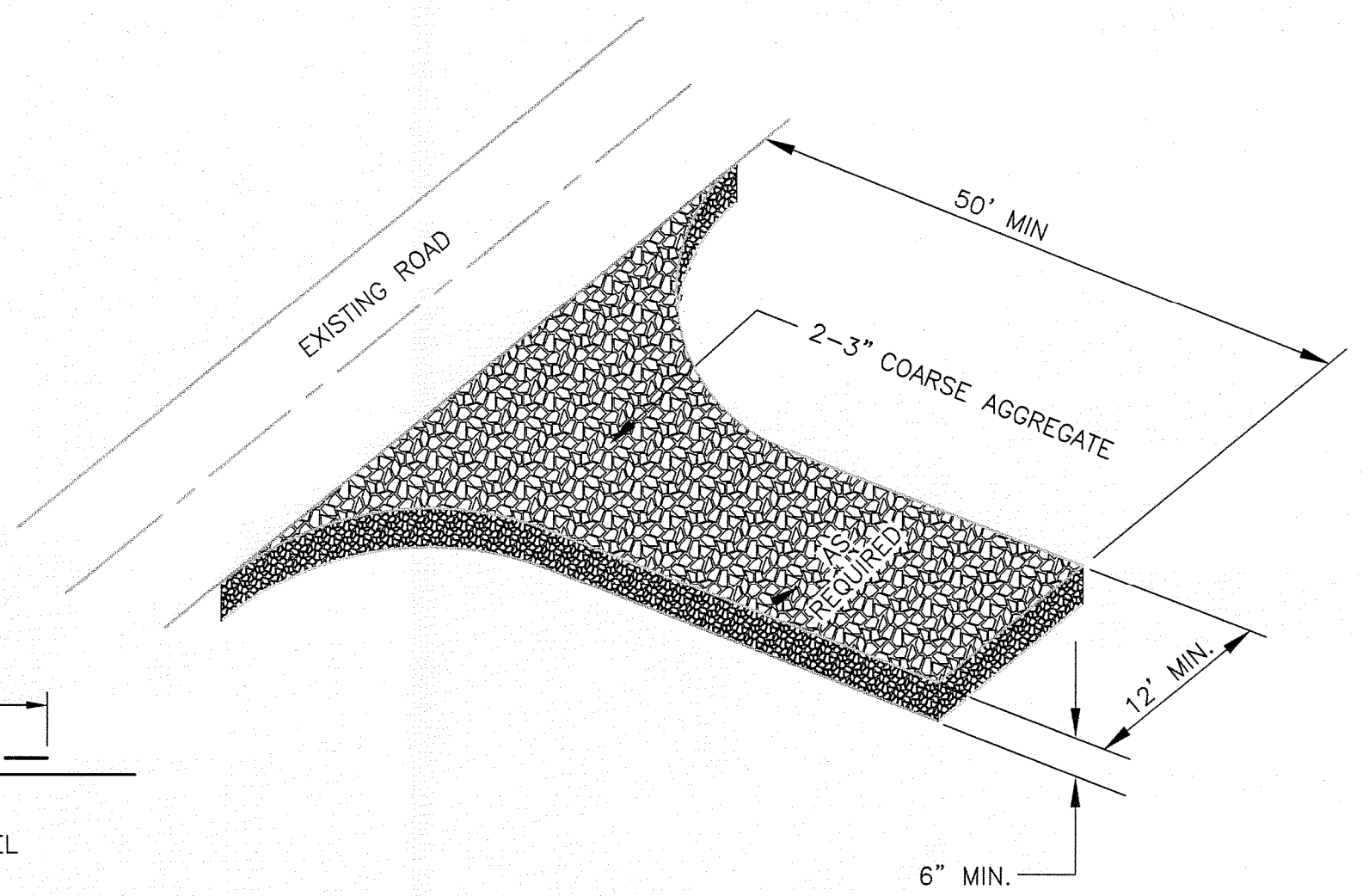
**SILT FENCE**  
NOT TO SCALE

**CONSTRUCTION SPECIFICATIONS**

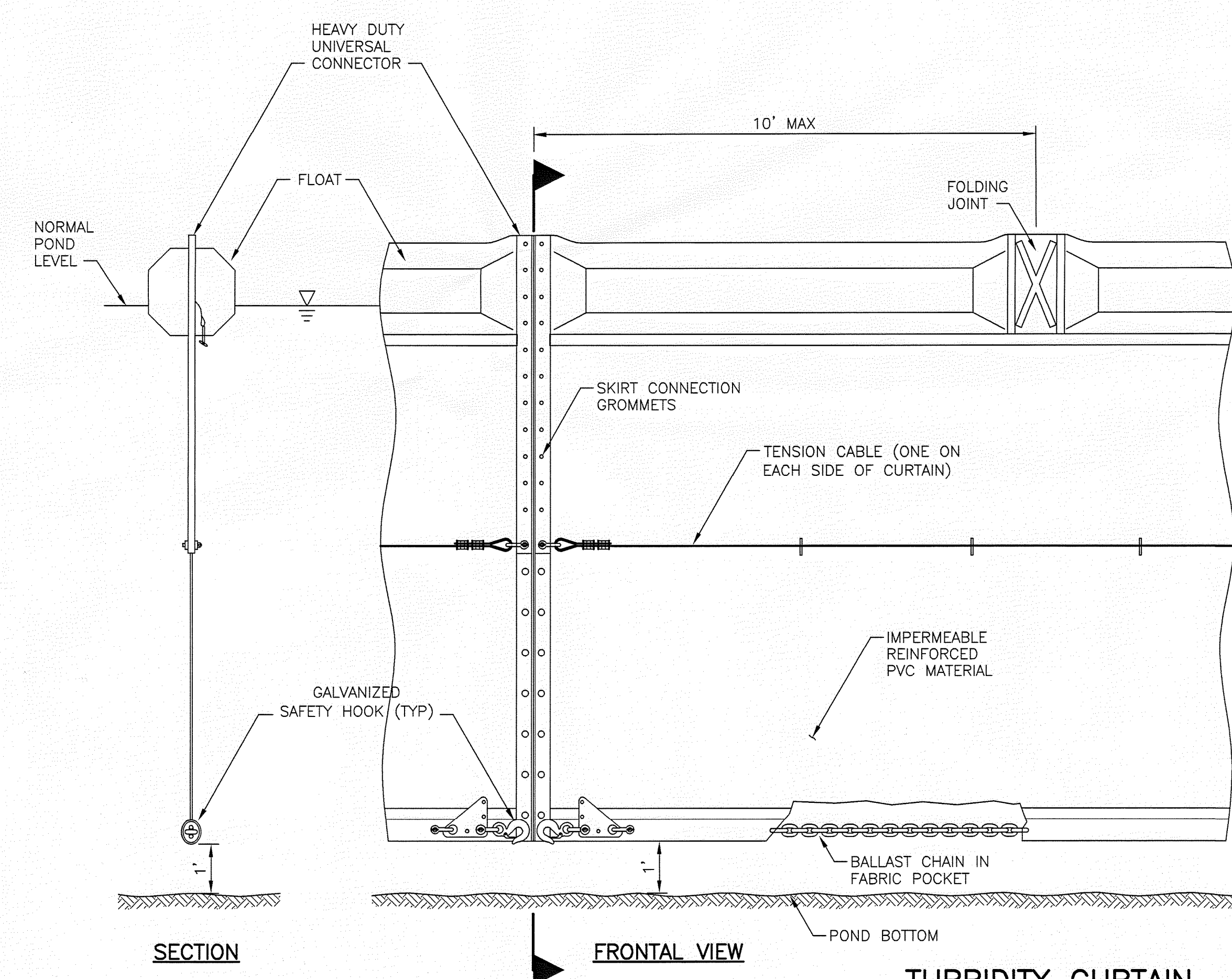
- MATERIALS**
1. SYNTHETIC FILTER FABRIC SHALL BE A PERVIOUS SHEET OF POLYPROPYLENE, NYLON, PLOYESTER, OR ETHYLENE YARN AND SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE FOLLOWING REQUIREMENTS:
- | PHYSICAL PROPERTY                          | TEST                 | REQUIREMENTS  |
|--|----------------------|---|
| FILTERING EFFICIENCY                       | ASTM D-5141          | 75% (MIN)   |
| TENSILE STRENGTH AT 20% (MAX.) ELONGATION* | VTM-52               | EXTRA STRENGTH—50 LBS./LIN. IN. (MIN.)<br>STANDARD STRENGTH—30 LBS./LIN. IN. (MIN.) |
| FLOW RATE                                  | ASTM D-5141          | 0.3 GAL./SQ. FT./MIN.   |
| ULTRAVIOLET RADIATION                      | ASTM D-4355 AND G-28 | 90% (MIN.)  |
- \* REQUIREMENTS REDUCED BY 50% AFTER 6 MONTHS OF INSTALLATION.
2. SYNTHETIC FILTER FABRIC SHALL CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS TO PROVIDE A MINIMUM OF 6 MONTHS OF EXPECTED USABLE CONSTRUCTION LIFE AT A TEMPERATURE RANGE OF 0 F TO 120 F.



**TEMPORARY DITCH BLOCK**  
NOT TO SCALE



**TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT**  
NOT TO SCALE



**TURBIDITY CURTAIN**  
NOT TO SCALE

**NOTES**

1. CONTRACTOR SHALL INSPECT TURBIDITY CURTAIN ACCORDING TO INSPECTION SCHEDULE AND REPAIR ANY OBSERVED DAMAGE.
2. CONTRACTOR SHALL MEASURE SEDIMENT LEVELS IMMEDIATELY UPSTREAM OF CURTAIN AFTER ANY STORM EVENT OF GREATER THAN ONE-HALF INCH OF PRECIPITATION DURING ANY 24 HOUR PERIOD. SEDIMENT SHALL BE REMOVED OR CURTAIN MOVED FURTHER DOWNSTREAM IF SEDIMENT LEVEL REACHES BOTTOM OF CURTAIN.

**TURBIDITY CURTAIN SPECIFICATIONS**

- CURTAIN MATERIAL: IMPERMEABLE REINFORCED PVC  
MIN. TENSILE STRENGTH — 300 LB/IN  
MIN. FABRIC WT. — 13 OZ/SY  
TEAR STRENGTH — 80 LBS  
TENSILE STRENGTH AFTER ABRASION — 200 LB/IN  
RESISTANT TO MARINE GROWTH, ULTRA VIOLET LIGHT, AND MILDEW  
ALL FABRIC SHALL BE HEAT SEALED.
- FLOATS: SOLID, CLOSED-CELL, PLASTIC FOAM SEALED IN FABRIC POCKET.  
PROVIDE BUOYANT RATIO > 5  
MAX. LENGTH 10'
- BALLST CHAIN: NON-CORROSIVE  
2 LB/IN WEIGHT
- TENSION CABLE: GALVANIZED OR STAINLESS STEEL WIRE ROPE
- MOORING: AS RECOMMENDED BY MANUFACTURER FOR PROPOSED APPLICATION

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
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CERTIFICATE NO. 44200  
7/15/10

**Central County Solid Waste Disposal Complex**  
**PHASE I CLASS I LANDFILL CLOSURE**  
**PERMIT DRAWINGS**  
SARASOTA COUNTY  
FLORIDA

**SEDIMENTATION AND EROSION CONTROL DETAILS**

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| FILENAME       | SHEET         |
| SCALE AS SHOWN | <b>00C-22</b> |