

CITRUS COUNTY SOLID WASTE MANAGEMENT DIVISION

CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CONSTRUCTION DRAWINGS

CITRUS COUNTY, FLORIDA

APRIL 2010

BOARD OF COUNTY COMMISSIONERS

Dennis Damato, Commissioner, District 1
Gary Bartell, Commissioner, District 2
Joe Meek, Commissioner, District 3
John Thrumston, Commissioner, District 4
Winn Webb, Commissioner, District 5

COUNTY ADMINISTRATOR

Brad Thorpe

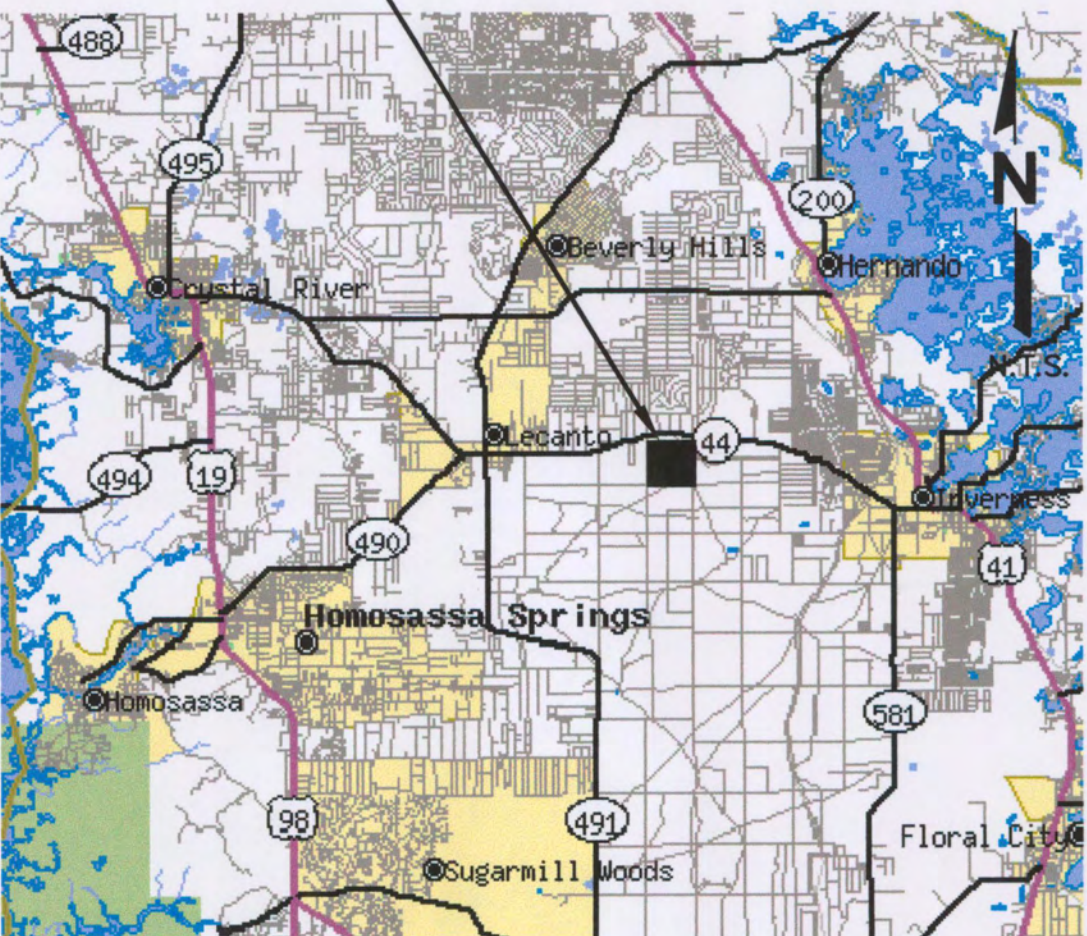
PUBLIC WORKS DEPARTMENT

Glenn W. McCracken, Director

SOLID WASTE MANAGEMENT DIRECTOR

Casey Stephens

PROJECT LOCATION



LOCATION MAP

DRAWING INDEX

DRAWING NO.	DRAWING TITLE
1	COVER SHEET
2	EXISTING FACILITY SITE PLAN (TOPOGRAPHIC SURVEY DATE 04/08/09)
3	DEMOLITION PLAN
4	SITE GRADING PLAN
5	SITE GRADING CONTROL POINTS PLAN
6	SITE GRADING CONTROL POINTS TABLE
7	SECTIONS
8	LEACHATE COLLECTION SYSTEM DETAILS
9	LEACHATE COLLECTION SYSTEM DETAILS
10	LEACHATE COLLECTION SYSTEM DETAILS
11	LEACHATE COLLECTION SYSTEM AND STORMWATER DETAILS
12	LINER AND TRENCH SYSTEM DETAILS
13	STORMWATER PUMP STATION DEMOLITION DETAILS
14	STORMWATER IMPOUNDMENT DEMOLITION DETAILS
15	STORMWATER MISCELLANEOUS DEMOLITION DETAILS
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17	STORMWATER BOX CULVERT DETAILS
18	LEACHATE ELECTRICAL SYSTEM EQUIPMENT LOCATION
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22	BIAXIAL GEOGRID AS-BUILT PANEL LAYOUT
23	UNIAXIAL GEOGRID AS-BUILT PANEL LAYOUT

BERGLUND CONSTRUCTION SERVICES, LLC SURVEY

1 OF 3	EXISTING SITE AS-BUILT PLAN
2 OF 3	EXISTING SITE AS-BUILT CONTROL POINT PLAN
3 OF 3	EXISTING SITE AS-BUILT CONTROL POINT TABLE
4	SITE GRADING AND DRAINAGE AS-BUILT PLAN
5	SITE GRADING CONTROL POINTS AS-BUILT PLAN
5.1	OFF-SITE GRADING CONTROL POINTS AS-BUILT PLAN
6	SITE GRADING CONTROL POINTS AS-BUILT TABLE
6.1	OFF-SITE GRADING CONTROL POINTS AS-BUILT TABLE
8	LEACHATE COLLECTION SYSTEM AS-BUILT PLAN
8.1	LEACHATE COLLECTION SYSTEM AS-BUILT PLAN

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
4041 PARK OAKS BLVD., SUITE 100
TAMPA, FLORIDA 33610
PH (813) 621-0080 FAX NO. (813) 623-6757
WWW.SCSENGINEERS.COM
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004892

SCS PROJECT NO. 09207049.06

RECORD DRAWING SET
THIS RECORD DRAWING SET HAS BEEN PREPARED
BASED ON INFORMATION PROVIDED BY OTHERS.
THE ENGINEER HAS NOT VERIFIED THE ACCURACY
OF THIS INFORMATION AND SHALL NOT BE
RESPONSIBLE FOR ANY ERRORS OR OMISSIONS
WHICH MAY BE INCORPORATED HEREIN AS A
RESULT.
SCS ENGINEERS Date: APRIL 2011

ISSUED FOR BID SET - 4/11/10.
REVISED PER ADDENDUM NO. 1 - 4/23/10.
CONFORMED SET - 6/22/10.

RECORD DRAWING SET - 4/8/11.
REVISED OR ADDED PER RAI NO. 1 - 5/6/11.

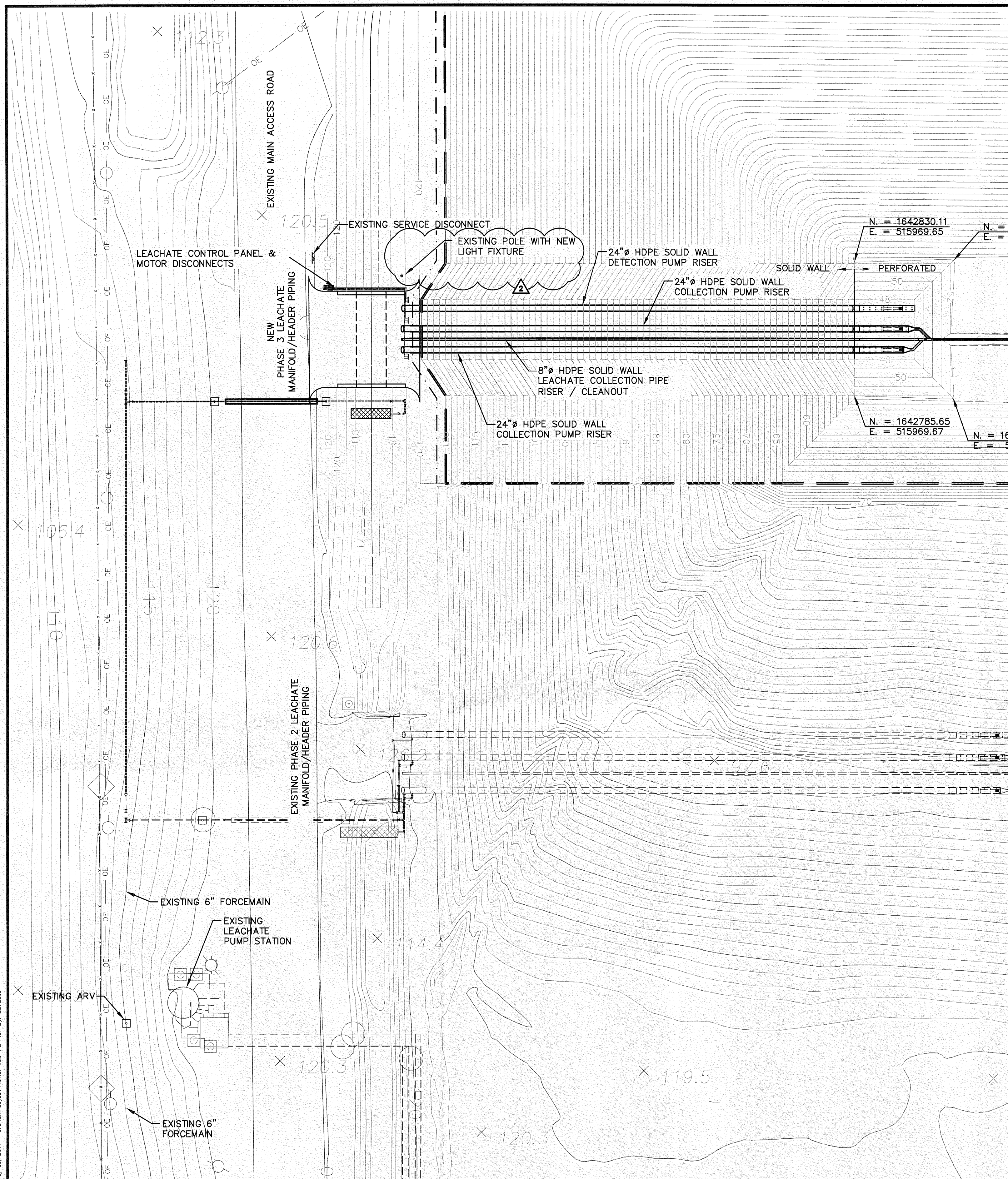
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DATE: APRIL 8, 2011

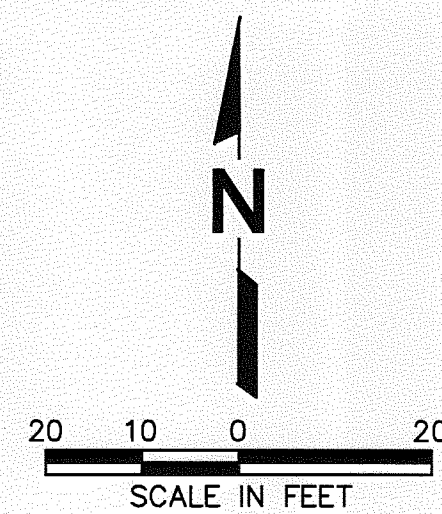
FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
JUN 10 2011
SOUTHWEST DISTRICT
TAMPA

DOMINIQUE H. BRAMLETT
LICENSE
JUN 10 2011
DOMINIQUE H. BRAMLETT, P.E.
LICENSE NO. 61829

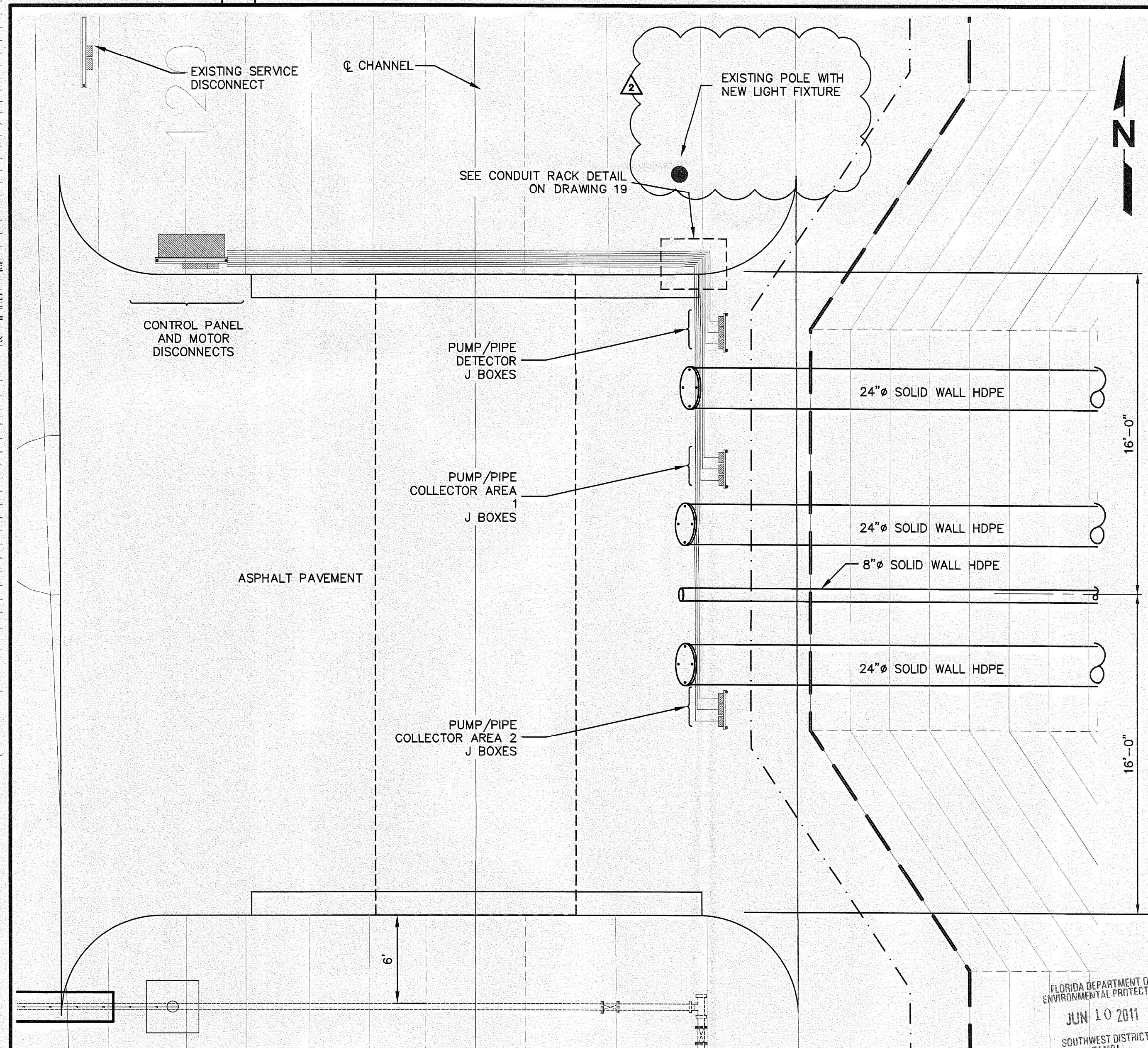
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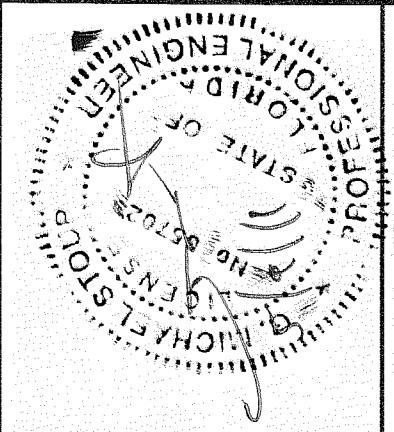
COLLECTION HEADER, SUMP, AND RISER PLAN
SCALE" 1" = 20'



RECORD DRAWING
DATE: APRIL 8, 2011



LEACHATE MANIFOLD /HEADER PHASE 3 AREA DETAIL
SCALE" 1" = 4'



G. MICHAEL STOUP
HT/DCR Engineering, Inc.
5912-A Breckenridge Pkwy.
Tampa, FL 33610
Phone: 813.418.3340
P.E. Number 65702

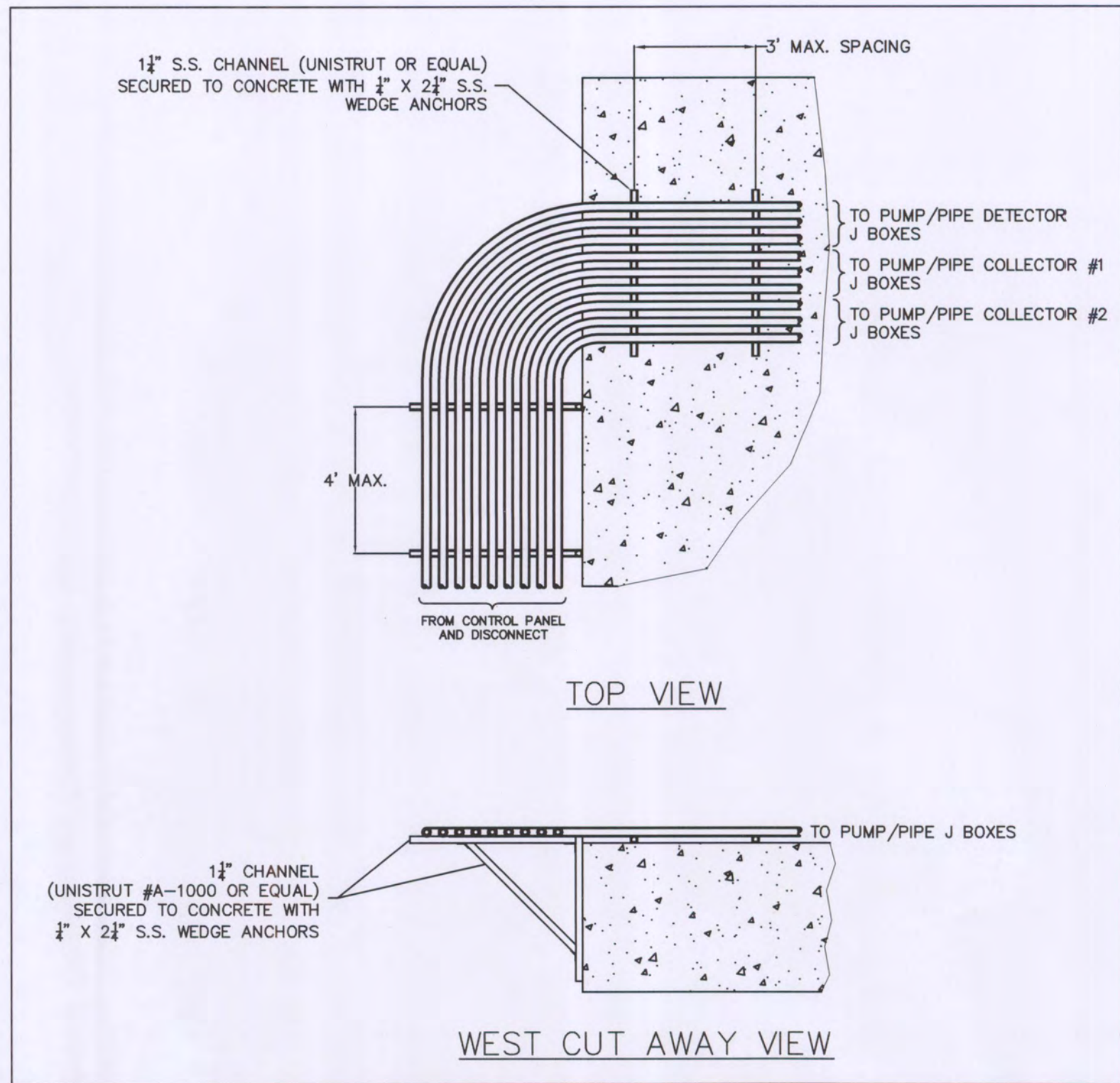
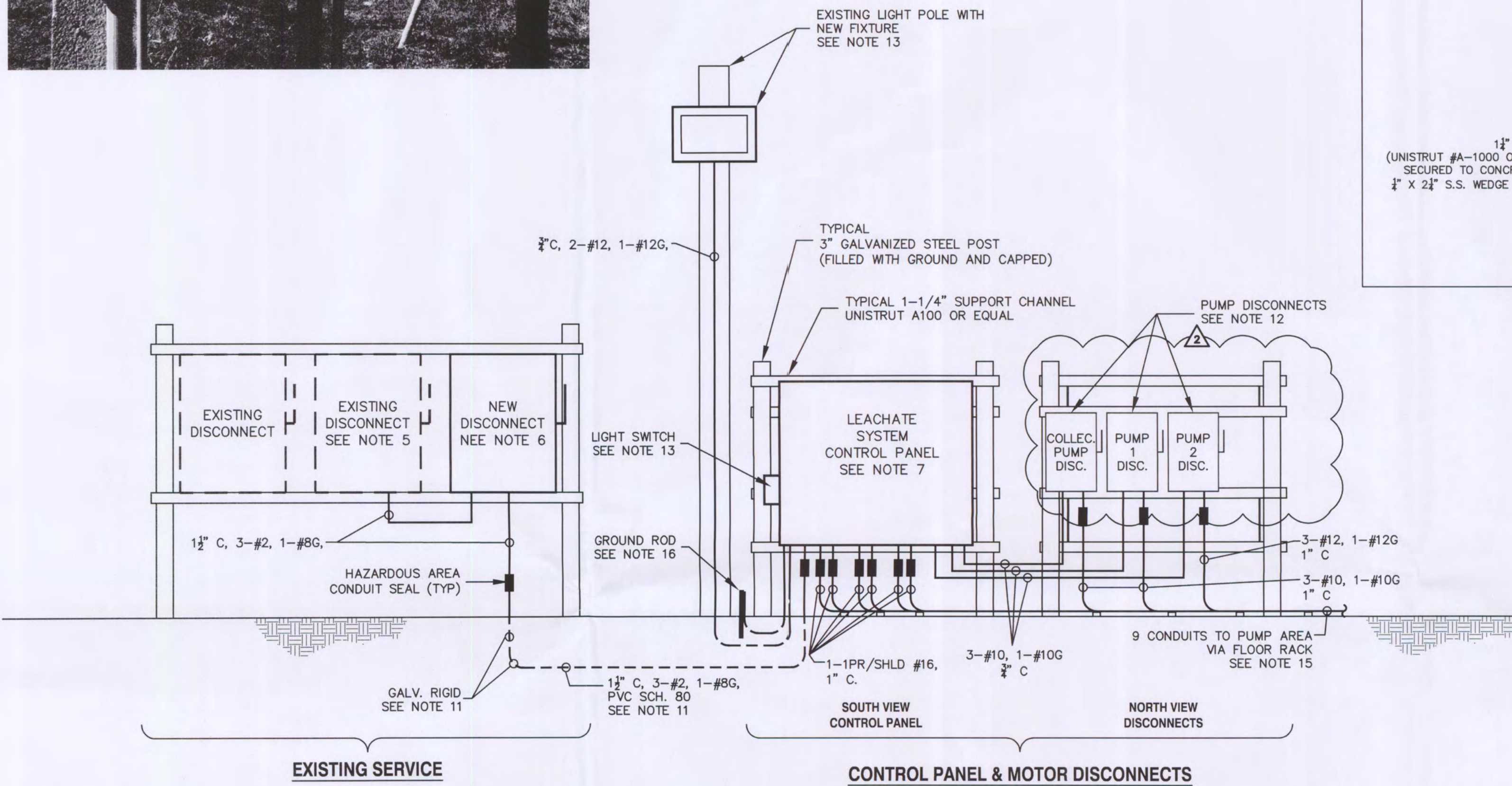
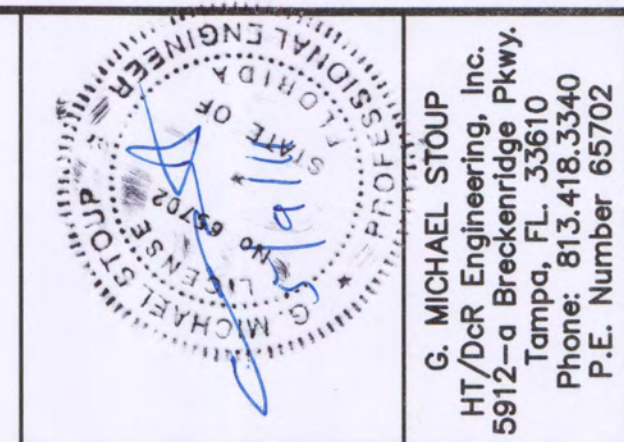
BY		DESCRIPTION	
BY		DATE	REV
TTR		5/6/11	Δ
TTR		4/5/11	Δ
DHB		6/22/10	Δ
SGO		4/11/10	Δ

PROJECT TITLE	LEACHATE ELECTRICAL SYSTEM EQUIPMENT LOCATION
PROJECT TITLE	CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CONSTRUCTION DRAWINGS

CLIENT	CITRUS COUNTY SOLID WASTE MANAGEMENT DIVISION CITRUS COUNTY, FLORIDA
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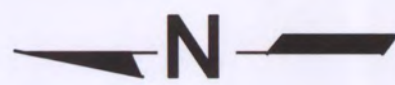
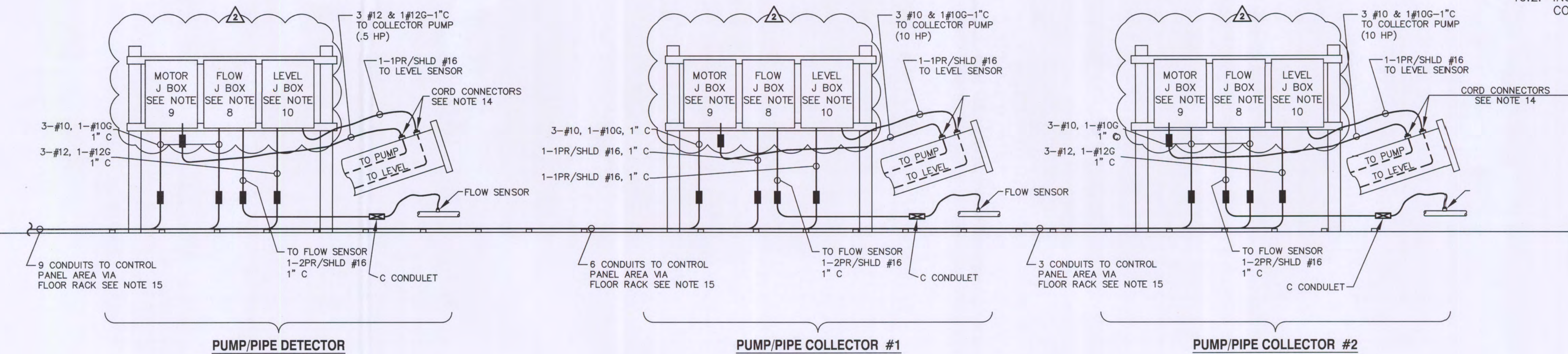
SCS ENGINEERS	STEARNIS, CONRAD AND SCHMIDT CONSULTING ENGINEERS
4041 PARK OAKS BLVD., SUITE 100, TAMPA, FL 33610	813 871-0080 FAX 813 823-6767
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004892	PROJ. NO. 09207049.06
DWN. BY: AV	CHK. BY: SGO
APP. BY: -	

CADD FILE:	HT/DCR E18
DATE:	APRIL 2010
SCALE:	AS SHOWN
DRAWING NO.	18 of 21



NOTES:

- ELECTRICAL CONTRACTOR TO BE AWARE OF METHANE GAS HAZARD DURING CONSTRUCTION AND TAKE SUITABLE PRECAUTIONS.
- ALL ELECTRICAL EQUIPMENT AT PUMPS ARE TO BE EXPLOSION PROOF AND UL LISTED FOR HAZARDOUS LOCATIONS CLASS 1, GROUP D, DIV 1.
- E.C. = ELECTRICAL CONTRACTOR
- FBO = FURNISHED BY OTHERS
- EXISTING DISCONNECT:
 - E.C. SHALL REPLACE THE PRIMARY LUGS WITH A DOUBLE LUG KIT, SQUARE D PART NUMBER CL20F.
 - ELECTRICAL CONTRACTOR TO COORDINATE WITH THE POWER COMPANY FOR THE DISCONNECTION AND RECONNECTION OF PRIMARY FEEDERS.
 - E.C. SHALL PROVIDE AND INSTALL A LAMICOID NAME PLATE, BLACK WITH WHITE LETTERS, DESCRIPTION "LEACHATE PUMP STATION PHASE 2"
- NEW DISCONNECT:
 - PROVIDED AND INSTALLED BY E.C.
 - NEW 100 AMP, 3 ϕ , 600 VOLTS, NEMA 4X, S.S. DISCONNECT SHALL BE SQUARE MODEL H363DX.
 - FUSES SHALL BE 100 AMPS CLASS "R"
 - PROVIDE AND INSTALL A LAMICOID NAME PLATE, BLACK WITH WHITE LETTERS, DESCRIPTION "LEACHATE PUMP STATION PHASE 3"
- LEACHATE CONTROL PANEL FBO INSTALLATION BY E.C.
- FLOW J BOX FBO INSTALLATION BY E.C.
 - REQUIRES 1-2PR. TWISTED SHIELDED CABLE
- MOTOR J BOX FBO INSTALLATION BY E.C.
- LEVEL J BOX FBO INSTALLATION BY E.C.
 - REQUIRES 1-2PR. TWISTED SHIELDED CABLE (INTRINSICALLY SAFE CIRCUITS).
 - INSTALL AND LABEL INTRINSICALLY SAFE CIRCUITS PER NEC ARTICLE 504.
- CONDUITS;
 - ALL UNDER GROUND CONDUITS FROM ELBOW SHALL BE PVC SCH 80.
 - CONDUIT STUB-UPS AT PANELS AND JUNCTION BOXES SHALL BE RIGID GALV. STEEL.
 - ALL CONDUITS ABOVE GROUND SHALL BE SUPPORTED USING UNISTRUT WITH CLAMPS.
- PUMP DISCONNECTS 30 AMPS, 3 ϕ , 600 VOLTS, NEMA 4X S.S., NON-FUSIBLE, SQUARE D #HU361DS
- E.C. SHALL PROVIDE AND INSTALL A LAMICOID NAME PLATE BLACK WITH WHITE LETTERS ON EACH OF THE DISCONNECT.
- EXISTING POLE WITH LIGHT FIXTURE LIGHT:
 - LIGHT FIXTURE METAL HALIDE, 250 WATTS, 120 VOLTS, HUBBELL #MVK-025H-268 WITH POLE MOUNTING KIT #404I
 - APPROXIMATE FIXTURE MOUNTING HEIGHT 25'
 - LIGHT SWITCH WILL BE PROVIDED WITH CONTROL PANEL E.C. TO WIRE.
- MOTORS & LEVELS WILL BE FURNISHED AND INSTALLED BY OTHERS.
 - MOTOR AND LEVEL WILL BE PROVIDED WITH CABLE, E.C. SHALL PROVIDE "Q2" TYPE "SR" CORD CONNECTORS, DRILL PIPE TO PROPER SIZE, AND INSTALL.
- CONDUIT SUPPORT RACK;
 - E.C. TO DETERMINE BEST ROUTING.
 - SEE RACK DETAILS FOR ADDITIONAL INFORMATION
- GROUND ROD:
 - E.C. TO PROVIDE AND INSTALL ONE COPPERCLAD 3/4" X 20' GROUND ROD.
 - INSTALL A #4 STRANDED BARE COPPER FROM GROUND ROD TO CONTROL PANEL.



LEACHATE MANIFOLD/HEADER AREA
NOT TO SCALE

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
JUN 10 2011
SOUTHWEST DISTRICT
TAMPA

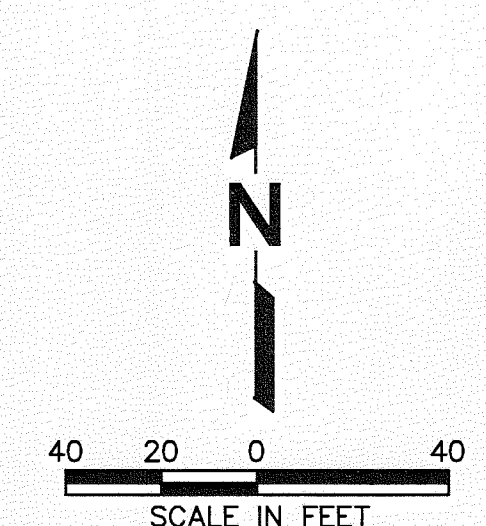
RECORD DRAWING
DATE: APRIL 8, 2011

DRAWING TITLE
LEACHATE ELECTRICAL SYSTEM
RISER DIAGRAM & NOTES
PROJECT TITLE
CENTRAL LANDFILL
PHASE 3 EXPANSION PROJECT
CONSTRUCTION DRAWINGS
CLIENT
CITRUS COUNTY
SOLID WASTE MANAGEMENT DIVISION
CITRUS COUNTY, FLORIDA

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
404 PARK OAKS BLVD, SUITE 100, TAMPA, FL 33610
813 821-0080 FAX 813 823-6757
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004882
PROJ. NO. 09207049.06
TOWN: BY: AV
CHK. BY: SGO
APP. BY: -

CADD FILE:
HT/DCR E19
DATE:
APRIL 2010
SCALE:
AS SHOWN
DRAWING NO.

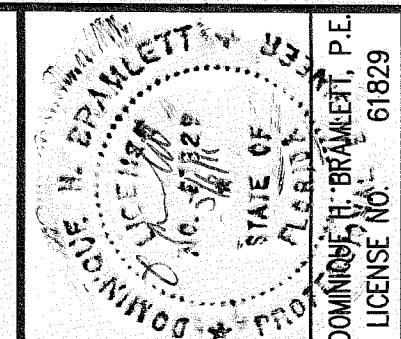
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<u>LEGEND</u>	
+++++	EXTRUSION WELD
-----	FUSION WELD
P-43	PRIMARY PANEL NUMBER
R59	REPAIR NUMBER
DP13	DESTRUCTIVE SAMPLE NUMBER
○	REPAIR
▲	DESTRUCTIVE SAMPLE
⊕	BOOT AROUND 24" HDPE PIPE

RECORD DRAWING
DATE: APRIL 8, 2011

REV	DATE	DESCRIPTION	BY
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△			
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△	5/6/11	REVISED PER R.A.I. NO. 1	DHB
△	4/8/11	DRAWING ADDED FOR THE RECORD	DHB



 APPROX. LIMIT OF PANEL

DATE: MAY 6, 2011

[illegible]

DRAWING NO.

22 of 21

**CENTRAL LANDFILL
33 EXPANSION PROJECT
CONSTRUCTION DRAWINGS**

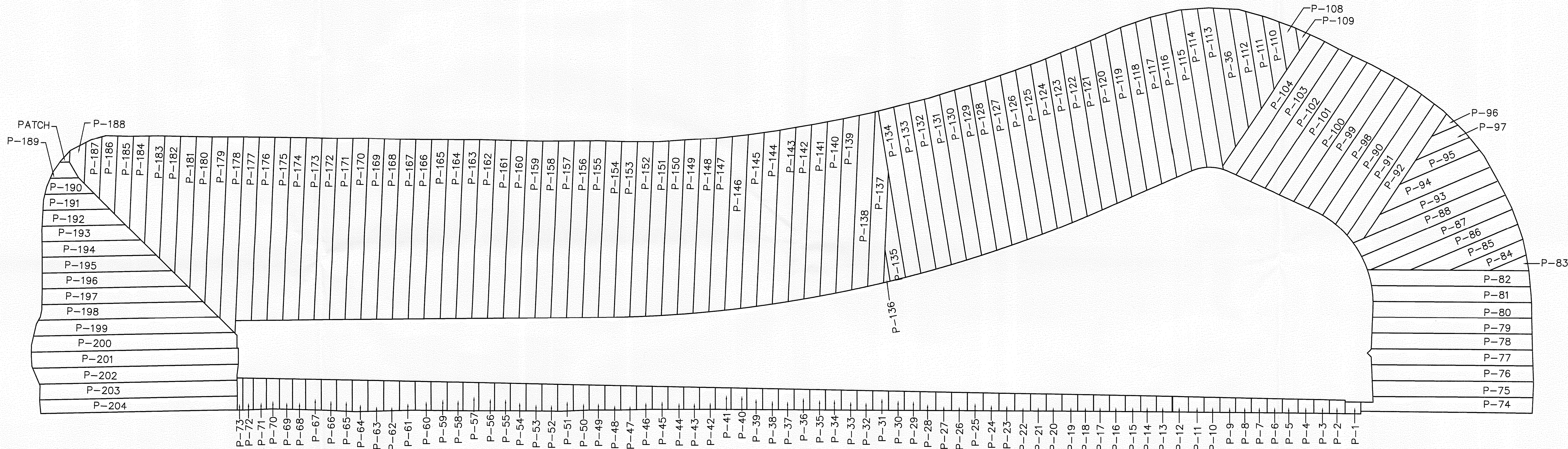
CITRUS COUNTY
SOLID WASTE MANAGEMENT DIVISION
CITRUS COUNTY, FLORIDA

CLIENT

DOMINIQUE H. BRUNETT, P.E.
LICENSE NO. 61829

REV	DATE	DESCRIPTION	BY
△			
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△	5/6/11	DRAWING ADDED FOR THE RECORD PER R.A.I. NO. 1	DHB
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LEGEND

- P-71 PANEL IDENTIFICATION NUMBER
- APPROX. LIMIT OF PANEL

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
JUN 10 2011
SOUTHWEST DISTRICT
TAMPA

RECORD DRAWING
DATE: MAY 6, 2011

SCS ENGINEERS STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS 4041 PARK OAKS BLVD., SUITE 100, TAMPA, FL 33610 813 621-0080 FAX 813 623-6757 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004982 PROJ. NO. 09207049.06 CHKD. BY: DHB APP. BY: CEH		CLIENT CITRUS COUNTY SOLID WASTE MANAGEMENT DIVISION CITRUS COUNTY, FLORIDA		DRAWING TITLE UNIAXIAL GEOGRID AS-BUILT PANEL LAYOUT PROJECT TITLE CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CONSTRUCTION DRAWINGS		REV △ △ △ △ △	DATE 5/6/11	DESCRIPTION DRAWING ADDED FOR THE RECORD	BY DHB	DATE 5/6/11	PER R.A.I. NO. 1	DHB	6/8/29
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