NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

MSLA 1-D LANDFILL

SITE IMPROVEMENTS PROJECT

KEARNY, NEW JERSEY

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18	SOIL EROSION AND SEDIMENT CONTROL PLAN
19	SOIL EROSION AND SEDIMENT CONTROL DETAILS
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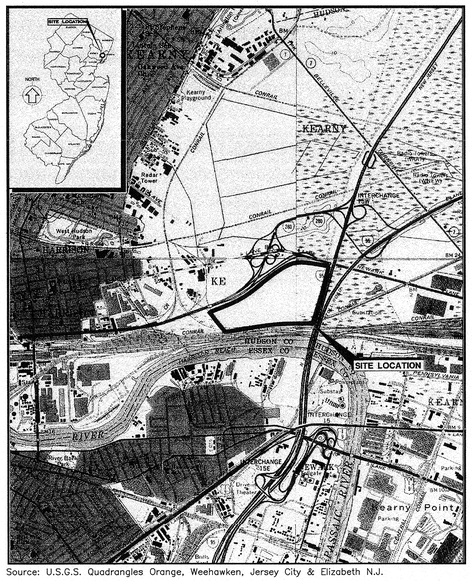
21A Additional TYPE B Aggregate



Source: U.S.G.S. Quadrangles Orange, Weehawken, Jersey City & Elizabeth N.J.

LOCATION PLAN

SCALE: 1"=2000'

– RECORD Drawings –

No.	DATE	REVISION
C		
B		
A	04/03/09	ISSUED FOR CONSTRUCTION

CHRISTOPHER E. CORLISS

N.J. PROFESSIONAL ENGINEER
LIC. NO. GE044822
CERTIFICATE OF AUTHORIZATION
24GA27933700

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

MSLA 1–D LANDFILL, KEARNY, NEW JERSEY

SITE IMPROVEMENTS PROJECTS

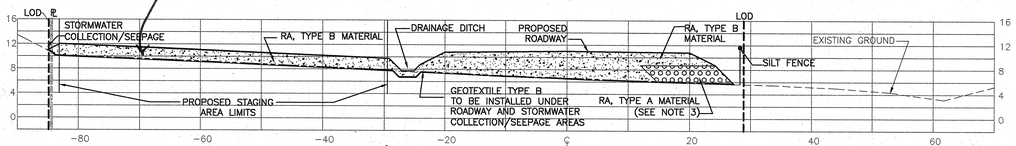
TITLE SHEET

THE LOUIS BERGER GROUP, INC.
412 MOUNT KEMBLE AVE
MORRISTOWN, NEW JERSEY

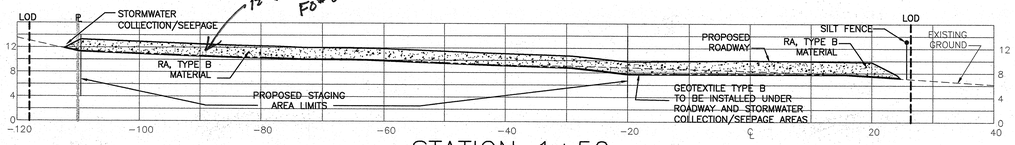
DRAWN BY: CEM
CHECKED BY: DM
APPROVED BY: CEC

SCALE: AS SHOWN | DATE: APRIL 03, 2009 | PROJECT NO.: JG 4515 | SHEET NO.: 1 OF 21

THE LOUIS BERGER GROUP INC., FLORHAM PARK, NJ CADD FILE: I:\DRAWINGS\GRAPHICS\CADDTEMP\NJDEP\MSLA\Phase 1–Roadway\Final Plan Sheets for Contractor – Addendum 1 & 2 incorporated\Sheet 1 – Title Sheet.dwg



STATION 0+00



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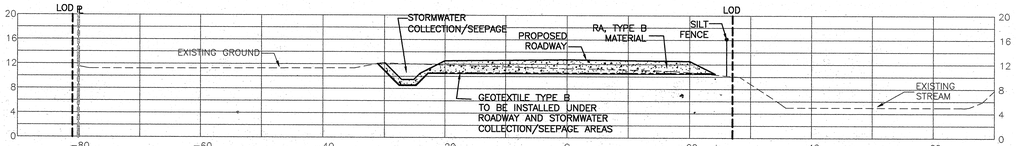

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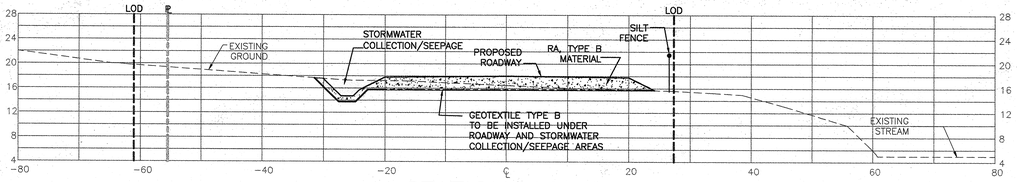

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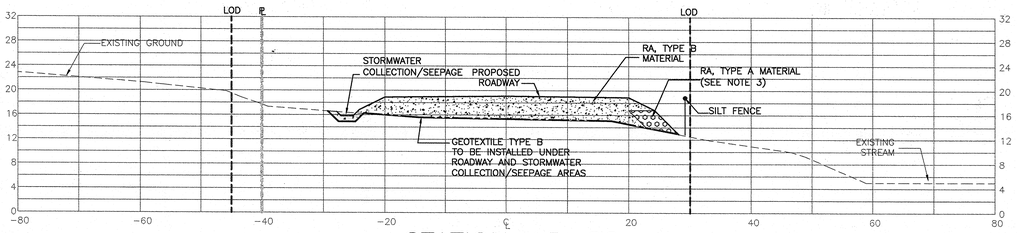

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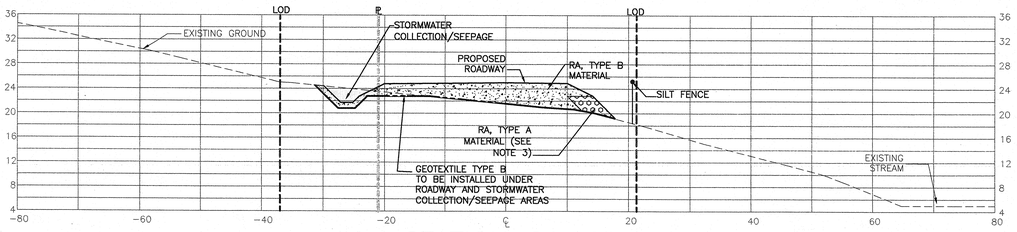

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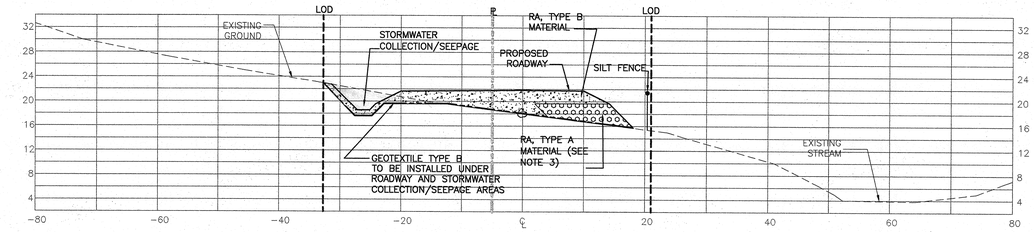

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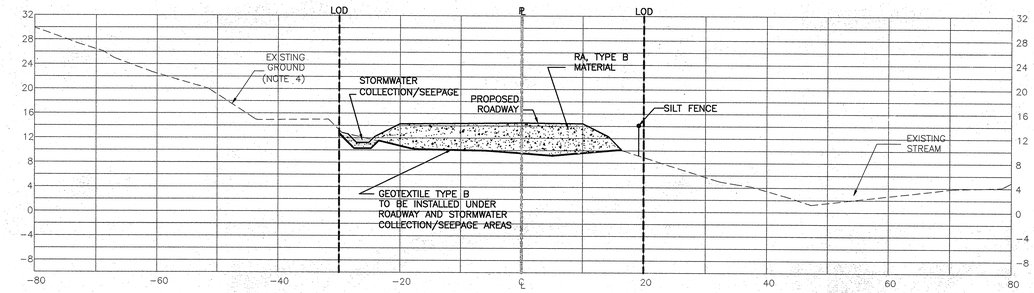
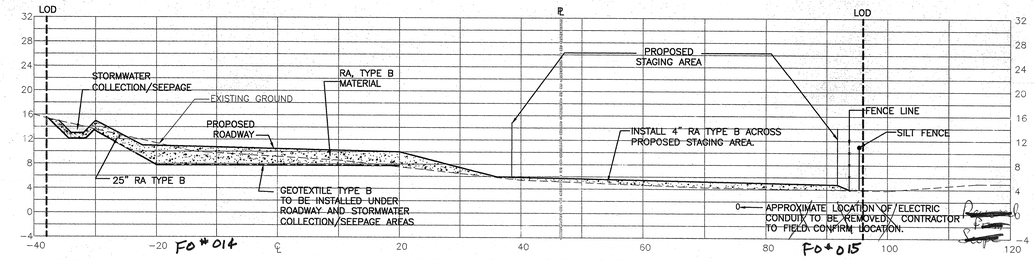
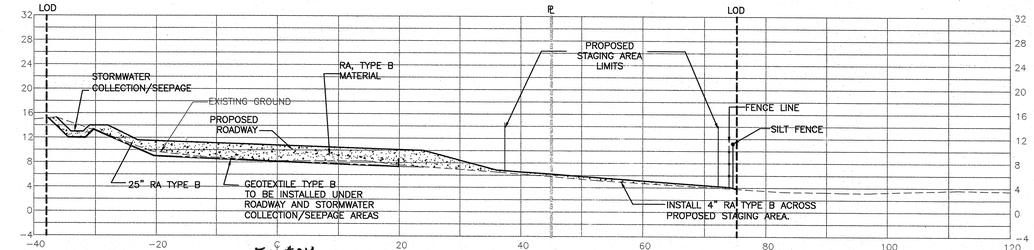


STATION 30+00



STATION 35+00*



STATION 37+00*

LEGEND:

GEOTEXTILE TYPE B
PROPERTY BOUNDARY
LIMIT OF DISTURBANCE

NOTES:

1. CONTRACTOR SHALL STAGE WORK SO THAT ABANDONED 12" GAS LINE IS REMOVED AND 6" PENN ENERGY GAS LINE IS RELOCATED BEFORE ROADWAY IS INSTALLED IN THESE AREAS.
2. CONTRACTOR SHALL START FILLING OF ROADWAY MATERIAL ALONG THE ROADWAY BASELINE AND SHALL AVOID FILLING MATERIAL TO CREATE STEEP SIDESLOPE.
3. CONTRACTOR SHALL INSTALL 6" OF RA TYPE B MATERIAL ON SEPARATION FABRIC PRIOR TO PLACEMENT OF TYPE A MATERIAL.
4. EXISTING GROUND BETWEEN STATIONS 28+50 AND 37+00 IS NOT ACCURATE DUE TO FILLING SINCE SURVEY.
5. PROPOSED CROSS-SECTIONS DO NOT DEPICT EXISTING FENCE LINE TO BE REMOVED AS SHOWN ON THE PLAN SHEETS.

*NOTE:
EXISTING GRADES DEPICTED ON STATION 30+00 THROUGH STATION 37+00 ARE BASED ON SURVEY PERFORMED ON 01/03/2008 AND DO NOT REFLECT TOPOGRAPHY DEPICTED ON ALL SITE PLANS.

0 5 10 20 30
SCALE IN FEET 1"=10'
HORIZONTAL AND VERTICAL

No.	DATE	REVISION
C		
B		
A	04/03/09	ISSUED FOR CONSTRUCTION

CHRISTOPHER E. CORLISS
N.J. PROFESSIONAL ENGINEER
LIC. NO. GE044822
CERTIFICATE OF AUTHORIZATION
24GA27933700

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
MSLA 1-D LANDFILL, KEARNY, NEW JERSEY
SITE IMPROVEMENTS PROJECT

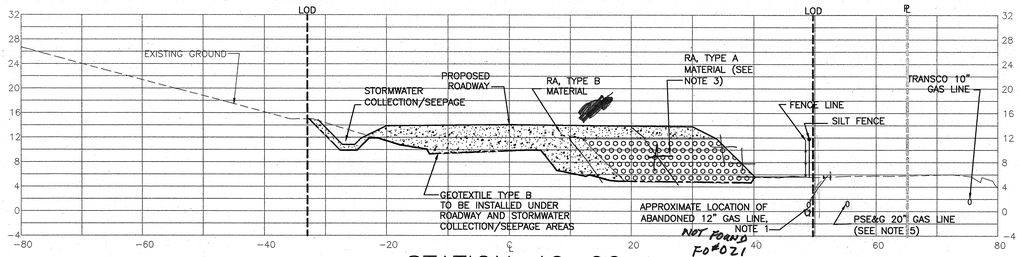
CROSS SECTIONS STA. 0+00 TO 37+00

THE LOUIS BERGER GROUP, INC.
412 MOUNT KEMBLE AVE
MORRISTOWN, NEW JERSEY

DRAWN BY: CEM
CHECKED BY: DM
APPROVED BY: CEC

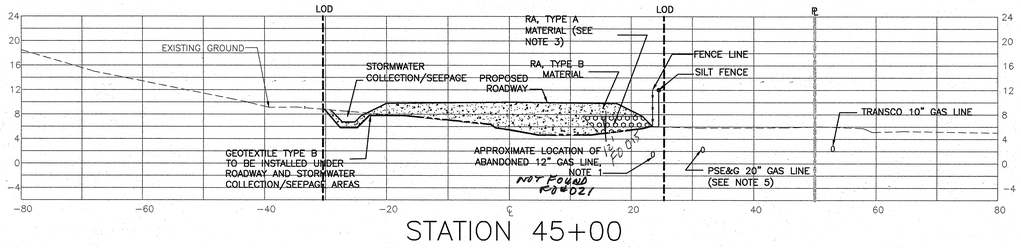
SCALE: 1" = 10'
DATE: APRIL 03, 2009
PROJECT NO.: JG 4515
SHEET NO.: 15 OF 21

THE LOUIS BERGER GROUP INC., FLORHAM PARK, NJ CADD FILE: C:\Documents and Settings\jgries\Local Settings\Temporary Internet Files\Content.Outlook\JX1NUOMC\Sheet 15-17 - Cross Sections Revised 060209.dwg

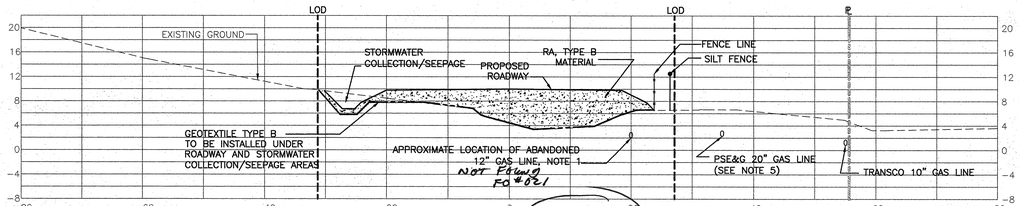


STATION 40+00

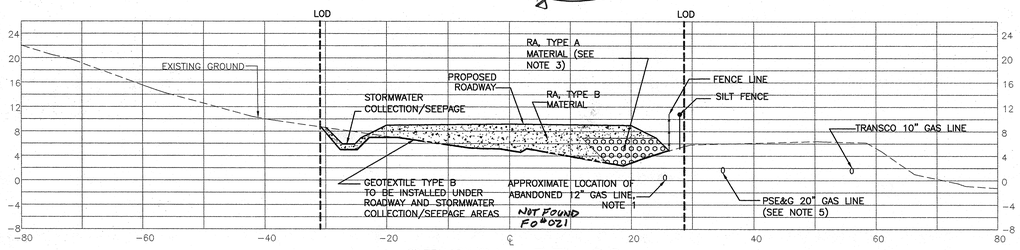
FO#018



STATION 45+00



STATION 50+00



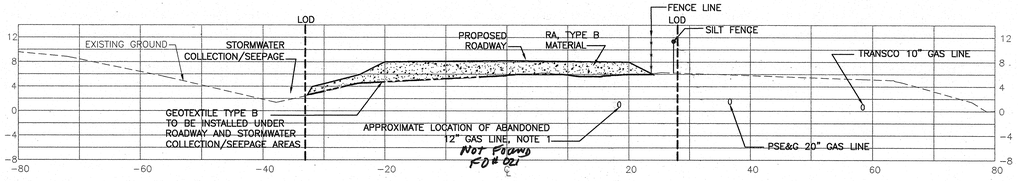
STATION 55+00

LEGEND:

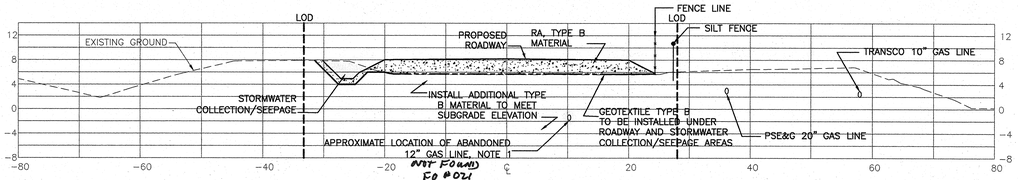
GEOTEXTILE TYPE B
PROPERTY BOUNDARY
LIMIT OF DISTURBANCE

NOTES:

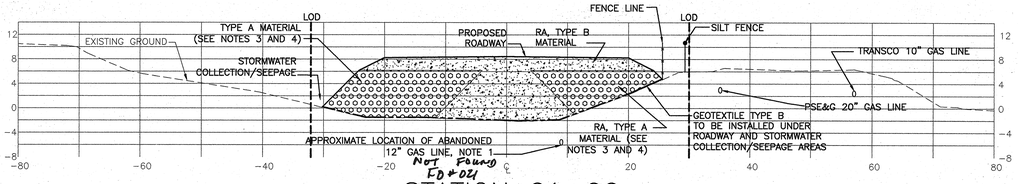
1. CONTRACTOR SHALL STAGE WORK SO THAT ABANDONED 12" GAS LINE IS REMOVED AND 6" PENN ENERGY GAS LINE IS RELOCATED BEFORE ROADWAY IS INSTALLED IN THESE AREAS.
2. CONTRACTOR SHALL START FILLING OF ROADWAY MATERIAL ALONG THE ROADWAY BASELINE AND SHALL AVOID FILLING MATERIAL TO CREATE STEEP SIDESLOPE.
3. CONTRACTOR SHALL INSTALL 6" OF RA TYPE B MATERIAL ON SEPARATION FABRIC PRIOR TO PLACEMENT OF TYPE A MATERIAL.
4. WHEN ROADWAY FILL THICKNESS MEETS OR EXCEEDS 5.5 FEET, CONTRACTOR SHALL USE RA, TYPE A MATERIAL AS DEPICTED ON STATION 61+00 CROSS SECTION. RA, TYPE A SHALL NOT BE PLACED WITHIN 3 FEET OF THE ROADWAY BASELINE.
5. THE 12" GAS PIPELINE TO BE REMOVED IS CLOSE TO THE 20" ACTIVE GAS PIPELINE BETWEEN STATIONS 35+00 AND 55+00. CONTRACTOR SHALL PERFORM 12" GAS PIPELINE REMOVAL OPERATIONS WITH EXTREME CARE IN THIS AREA TO PREVENT DAMAGE TO 20" ACTIVE PIPELINE (REFER TO SPECIFICATIONS FOR SELECT BACKFILL AND COMPACTION REQUIREMENTS).
6. THE THICKNESS OF RA TYPE A MATERIAL WILL VARY BETWEEN STATIONS 60+00 AND 63+00.
7. RA, TYPE A MATERIAL SHALL NOT BE USED AT STATION 50+00.



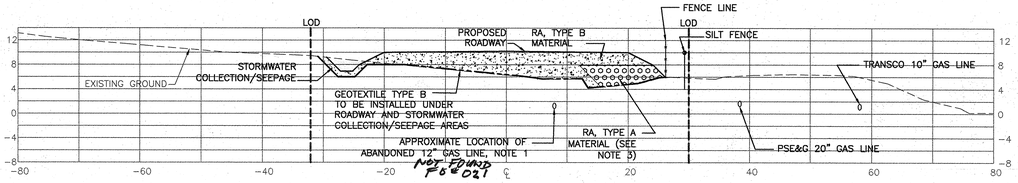
STATION 59+00



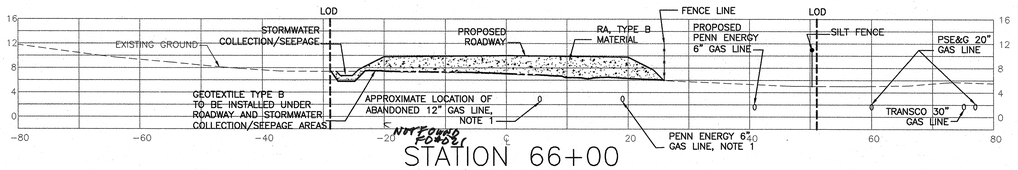
STATION 60+00



STATION 61+00



STATION 62+00



STATION 66+00

5-6 | 0 | 4.5

0 5 10 20 30

SCALE IN FEET 1"=10'
HORIZONTAL AND VERTICAL

No.	DATE	REVISION
C		
B	06/02/09	REV. STATION 61+00 & NOTE 7 ADDITION
A	04/03/09	ISSUED FOR CONSTRUCTION

CHRISTOPHER E. CORLISS

N.J. PROFESSIONAL ENGINEER
LIC. NO. GE044822
CERTIFICATE OF AUTHORIZATION
24GA27933700

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

MSLA 1-D LANDFILL, KEARNY, NEW JERSEY

SITE IMPROVEMENTS PROJECT

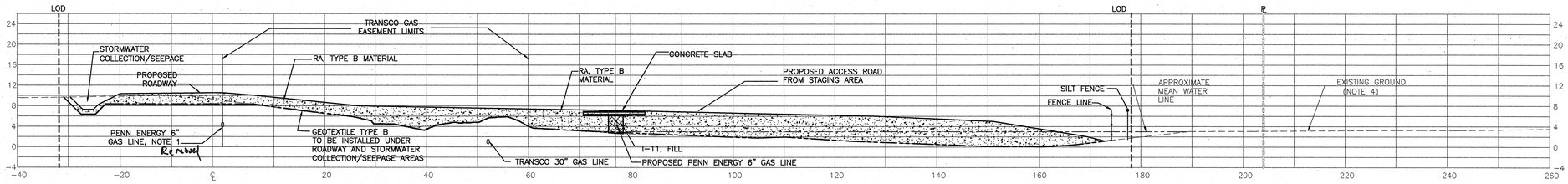
CROSS SECTIONS STA. 40+00 TO 66+00

THE LOUIS BERGER GROUP, INC.
412 MOUNT KEMBLE AVE
MORRISTOWN, NEW JERSEY

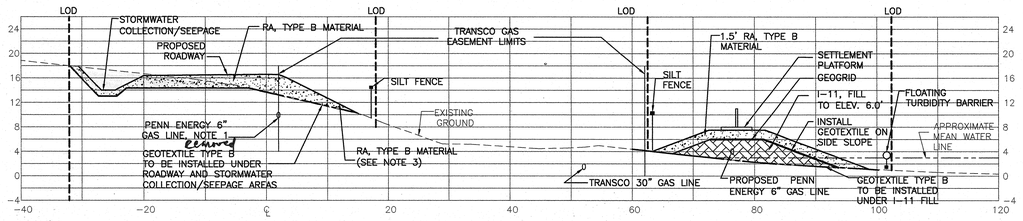
DRAWN BY: CEM
CHECKED BY: DM
APPROVED BY: CEC

SCALE: 1" = 10'
DATE: APRIL 03, 2009
PROJECT NO.: JG 4515
SHEET NO.: 16 OF 21

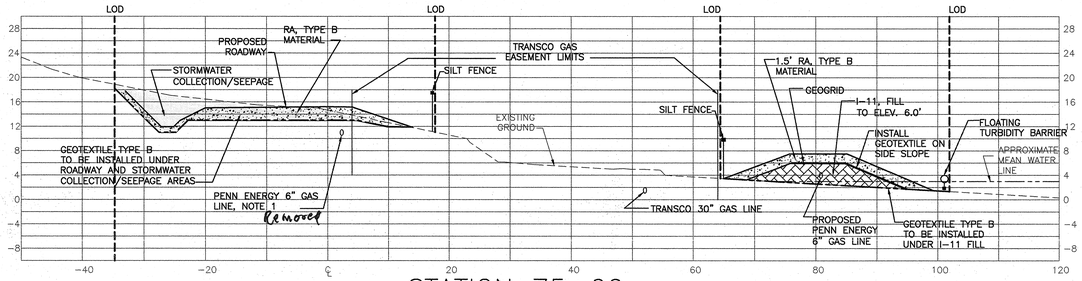
THE LOUIS BERGER GROUP INC., FLORHAM PARK, NJ OADD FILE: C:\Documents and Settings\ljlocci\Local Settings\Temporary Internet Files\Content.Outlook\3TNUOMEA\Sheet 15-17 - Cross Sections Revised 060209.dwg



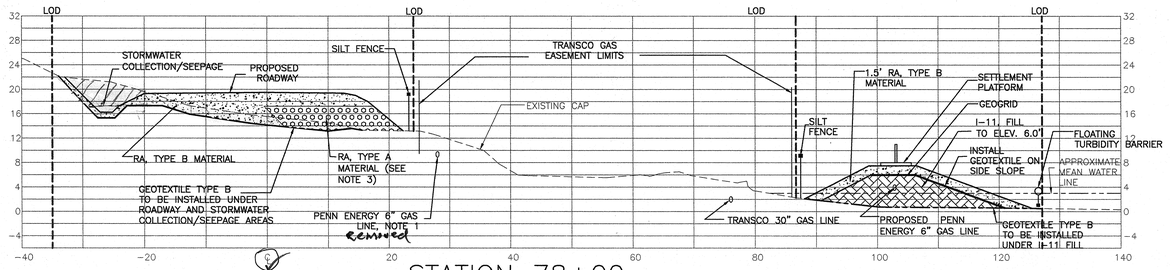
STATION 67+00



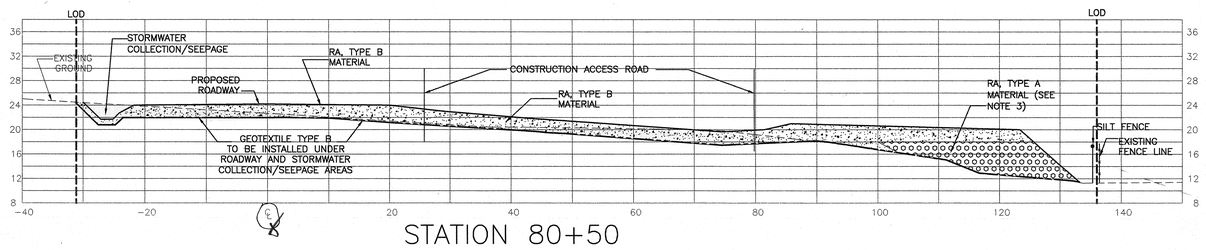
STATION 70+00



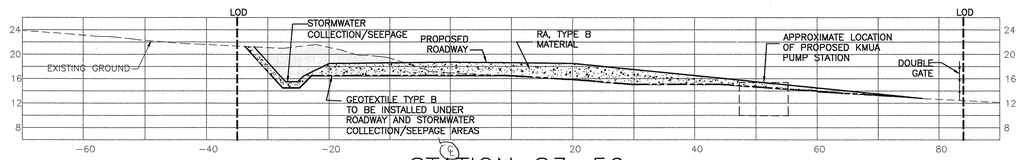
STATION 75+00



STATION 78+00



STATION 80+50



STATION 83+50

LEGEND:

- GEOTEXTILE TYPE B
- PROPERTY BOUNDARY
- LIMIT OF DISTURBANCE

NOTES:

1. CONTRACTOR SHALL STAGE WORK SO THAT ABANDONED 12" GAS LINE IS REMOVED AND 6" PENN ENERGY GAS LINE IS RELOCATED BEFORE ROADWAY IS INSTALLED IN THESE AREAS.
2. CONTRACTOR SHALL START FILLING OF ROADWAY MATERIAL ALONG THE ROADWAY BASELINE AND SHALL AVOID FILLING MATERIAL TO CREATE STEEP SIDESLOPE.
3. CONTRACTOR SHALL INSTALL 6" OF RA TYPE B MATERIAL ON SEPARATION FABRIC PRIOR TO PLACEMENT OF TYPE A MATERIAL.
4. I-11 FILL SHALL BE INSTALLED TO FINAL ELEVATION (EL. 7.5) DEPICTED ON CROSS SECTION AND MONITORED FOR A PERIOD OF ONE MONTH. INTERIM FILL OF I-11 IS NOT DEPICTED ON ANY PLAN OR CROSS SECTION FOR CLARITY PURPOSES. CONTRACTOR SHALL WAIT ONE MONTH PRIOR TO INSTALLATION OF NEW GAS PIPE. AFTER GAS PIPE INSTALLATION, CONTRACTOR SHALL INSTALL GEOGRID AS SHOWN ON THE PLANS AND CROSS SECTIONS. EXCESS I-11 FILL SHALL BE PLACED IN THE WASTE RELOCATION AREA. NO SEPARATE PAYMENT WILL BE MADE FOR DOUBLE HANDLING OF I-11 MATERIAL.
5. TO PROVIDE STABILITY TO THE GAS PIPELINE FILL AREA, CONTRACTOR SHALL INSTALL GEOGRID TO DEPTHS AS DIRECTED BY THE ENGINEER.
6. GEOGRID SHALL BE INSTALLED TO A WIDTH OF 12.5 FEET CENTERED OVER AND ALONG THE 6" GAS PIPELINE, AND THE GEOGRID SHALL BE INSTALLED BELOW THE GEOTEXTILE, TYPE B.

0 5 10 20 30

SCALE IN FEET 1"=10'
HORIZONTAL AND VERTICAL

No.	DATE	REVISION
C		
B	07/28/09	REV. STATION 70+00 & NOTE 6 ADDITION
A	04/03/09	ISSUED FOR CONSTRUCTION

CHRISTOPHER E. CORLISS
N.J. PROFESSIONAL ENGINEER
LIC. NO. GE044822
CERTIFICATE OF AUTHORIZATION
24GA27933700

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

MSLA 1-D LANDFILL, KEARNY, NEW JERSEY

SITE IMPROVEMENTS PROJECT

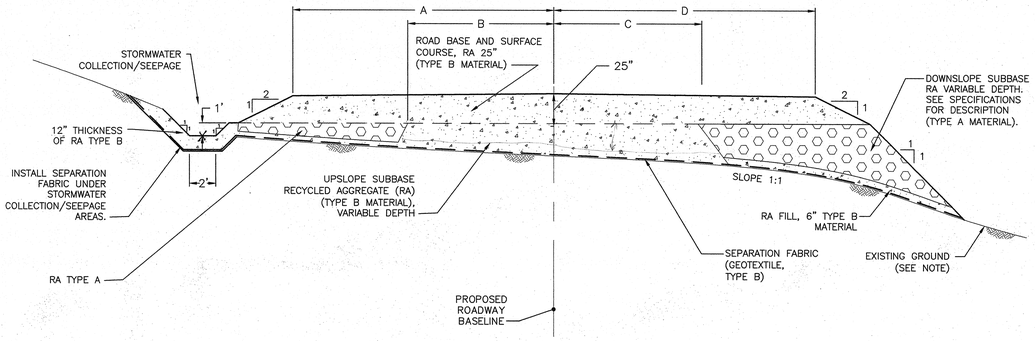
CROSS SECTIONS STA. 67+00 TO 83+50

THE LOUIS BERGER GROUP, INC.
412 MOUNT KEMBLE AVE
MORRISTOWN, NEW JERSEY

DRAWN BY:	CEM
CHECKED BY:	DM
APPROVED BY:	CEC

SCALE:	DATE:	PROJECT NO.:	SHEET NO.:
1" = 10'	APRIL 03, 2009	JG 4515	17 OF 21

THE LOUIS BERGER GROUP INC., FLORHAM PARK, NJ CADD FILE: C:\Documents and Settings\jglenn\Local Settings\Temporary Internet Files\Content.Outlook\V1HUOMEA\Sheet 15-17 - Cross Sections Revised 060209.dwg Aug 27, 2009



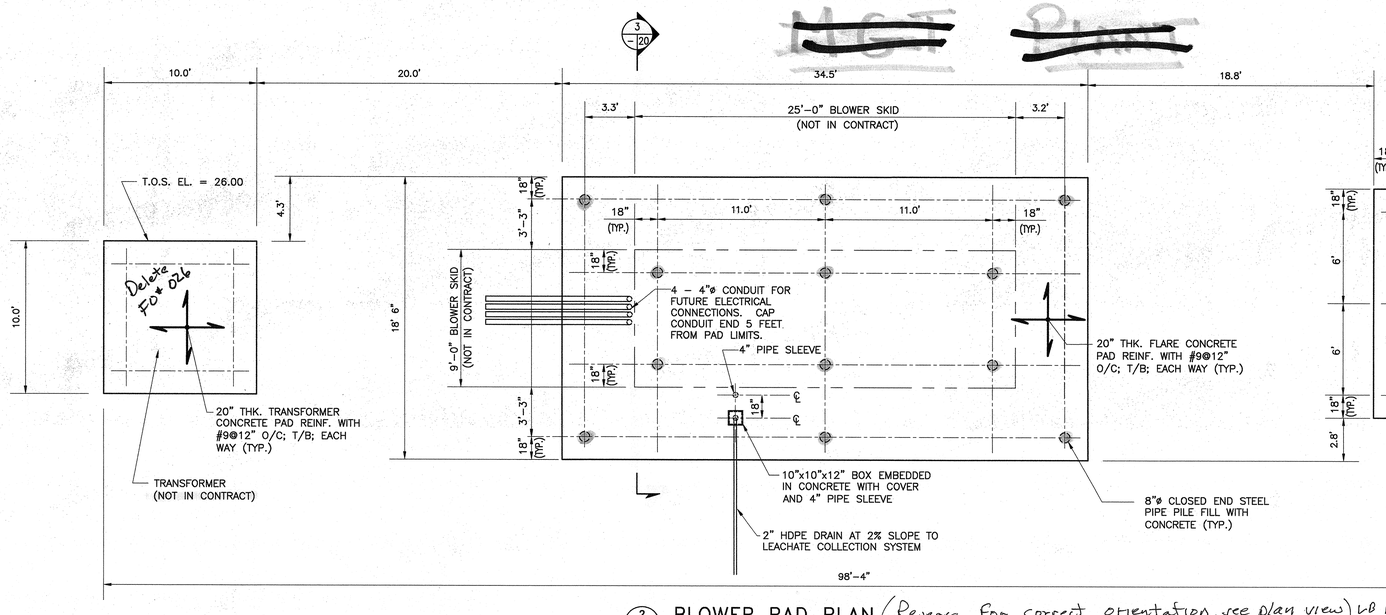
STATION	A	B	C	D
0+00	20.0	–	12.0	20.0
1+00	106.9	–	–	20.0
2+00	107.9	–	–	20.0
3+00	97.0	–	–	20.0
4+00	86.4	–	–	20.0
5+00	20.0	–	–	20.0
6+00	20.0	–	–	20.0
7+00	20.0	–	–	20.0
8+00	20.0	–	20.0	20.0
9+00	20.0	–	–	20.0
10+00	20.0	–	–	20.0
11+00	20.0	–	–	20.0
12+00	20.0	–	–	20.0
13+00	20.0	–	–	20.0
14+00	20.0	–	–	20.0
15+00	20.0	–	20.0	20.0
16+00	20.0	–	20.0	20.0
16+50	20.0	–	20.0	20.0
17+00	20.0	–	–	10.0
18+00	20.0	–	–	10.0
19+00	20.0	–	–	10.0
20+00	20.0	–	10.0	10.0
21+00	20.0	–	–	10.0
22+00	20.0	–	–	10.0
23+00	20.0	–	3.0	10.0
24+00	20.0	–	3.0	10.0
25+00	20.0	–	3.0	10.0
26+00	20.0	–	3.0	10.0
27+00	20.0	–	3.0	10.0
28+00	20.0	–	–	10.0
29+00	20.0	–	3.0	10.0

STATION	A	B	C	D
30+00	20.0	–	–	10.0
31+00	20.0	–	–	10.0
32+00	20.0	–	3.0	40.0
33+00	20.0	–	3.0	10.0
33+50	20.0	–	7.0	20.0
34+00	20.0	–	3.0	50.9
34+50	20.0	–	–	88.2
35+00	20.0	–	–	96.1
35+50	20.0	–	–	105.6
36+00	20.0	–	–	80.3
36+50	20.0	–	–	75.2
37+00	20.0	–	–	68.5
37+50	20.0	–	–	65.5
38+00	20.0	–	10.0	52.7
39+00	20.0	–	3.0	36.0
40+00	20.0	–	12.0	30.0
41+00	20.0	3.0	3.0	20.3
42+00	20.0	3.0	3.0	20.0
43+00	20.0	–	–	18.4
44+00	20.0	–	4.0	18.3
45+00	20.0	–	3.0	17.3
46+00	20.0	–	3.5	16.4
47+00	20.0	–	6.0	15.4
48+00	20.0	–	3.0	15.1
49+00	20.0	–	–	17.0
50+00	20.0	–	12.0	18.2
51+00	20.0	–	3.0	19.0
52+00	20.0	–	–	19.2
53+00	20.0	–	3.0	19.4
54+00	20.0	–	11.0	19.6
55+00	20.0	–	12.0	19.8

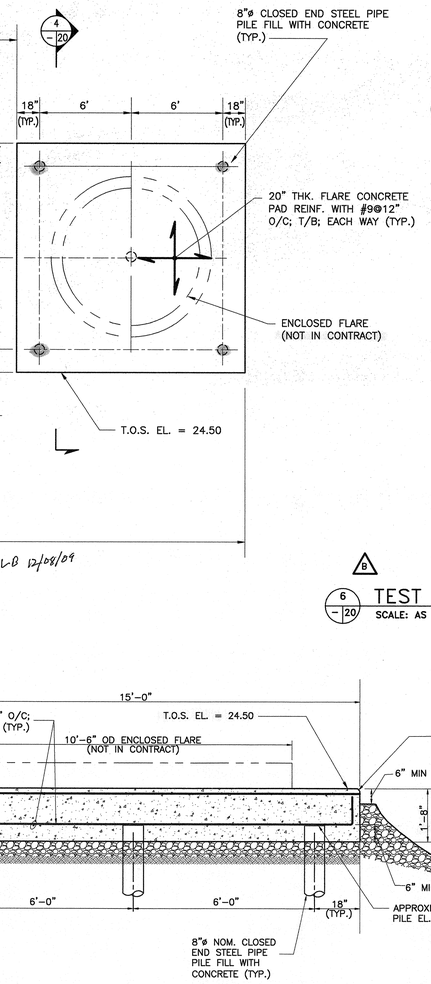
STATION	A	B	C	D
56+00	20.0	–	–	20.0
57+00	20.0	–	–	20.0
58+00	20.0	–	18.5	20.0
59+00	20.0	–	–	20.0
60+00	20.0	–	–	20.0
61+00	20.0	3.0	12.0	20.0
62+00	20.0	–	13.0	20.0
63+00	20.0	–	–	20.0
64+00	20.0	–	12.0	20.0
65+00	20.0	–	5.0	20.0
66+00	20.0	–	–	20.0
67+00	20.0	–	–	160.0
68+00	20.0	–	–	2.0
68+50	20.0	–	–	2.0
69+00	20.0	–	–	2.0
70+00	20.0	–	–	2.0
71+00	20.0	–	–	2.5
72+00	20.0	–	–	2.5
73+00	20.0	–	–	2.5
74+00	20.0	–	–	2.5
75+00	20.0	–	–	4.0
76+00	20.0	–	–	4.0
77+00	20.0	–	–	8.0
78+00	20.0	–	3.0	10.0
79+00	20.0	–	3.0	20.0
79+50	20.0	–	7.5	20.0
80+00	33.0	–	24.0	81.0
81+00	20.0	–	–	87.5
82+00	20.0	–	20.0	32.0
83+00	20.0	–	–	20.0
84+00	20.0	–	3.0	20.0
85+00	20.0	–	3.0	20.0

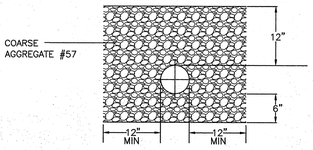
NOTES:
1. "–" INDICATES NO RA TYPE A MATERIAL PROPOSED AT SECTION.

1/20 TYPICAL CROSS SECTION
SCALE: N.T.S.



2/20 BLOWER PAD PLAN (Reverse for correct orientation, see plan view) LB 12/08/09
SCALE: 1" = 4'

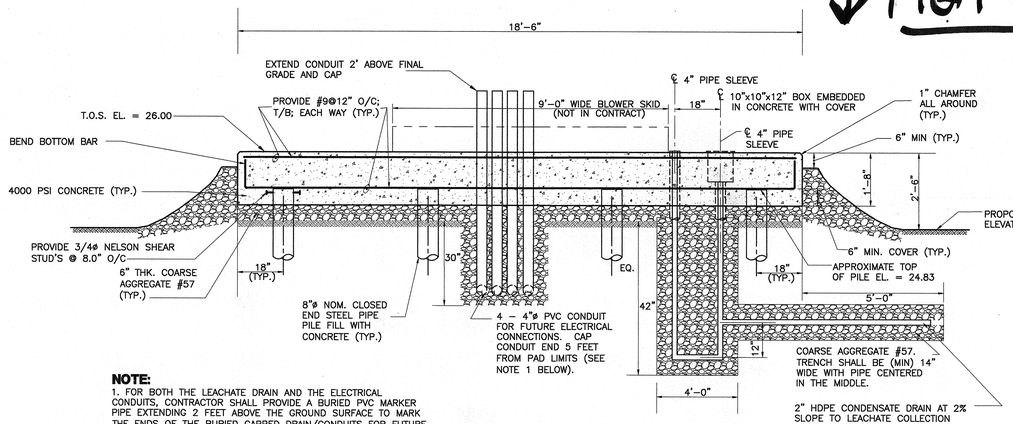




5/20 CONDENSATE PIPE/ELECTRICAL CONDUIT DETAIL
SCALE: AS NOTED

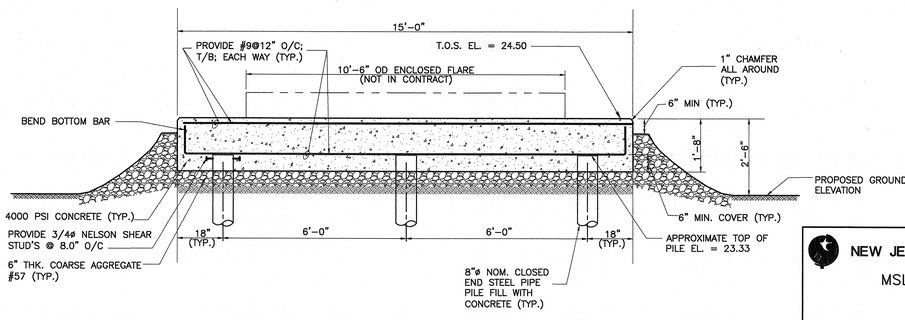
B 6/20 TEST STATION & MAGNESIUM RIBBON ANODE INSTALLATION
SCALE: AS NOTED

MGT PLANT



NOTE:
1. FOR BOTH THE LEACHATE DRAIN AND THE ELECTRICAL CONDUITS, CONTRACTOR SHALL PROVIDE A BURIED PVC MARKER PIPE EXTENDING 2 FEET ABOVE THE GROUND SURFACE TO MARK THE ENDS OF THE BURIED CAPPED DRAIN/CONDUITS FOR FUTURE REFERENCE.

3/20 BLOWER PAD ELEVATION
SCALE: N.T.S



No.	DATE	REVISION
C		
B	06/02/09	REV. – ANODE DETAIL
A	04/03/09	ISSUED FOR CONSTRUCTION

CHRISTOPHER E. CORLISS
N.J. PROFESSIONAL ENGINEER
LIC. NO. GE044822
CERTIFICATE OF AUTHORIZATION
24GA27933700

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

MSLA 1–D LANDFILL, KEARNY, NEW JERSEY

SITE IMPROVEMENTS PROJECT

CONSTRUCTION DETAILS

THE LOUIS BERGER GROUP, INC.
412 MOUNT KEMBLE AVE
MORRISTOWN, NEW JERSEY

DRAWN BY: CEM
CHECKED BY: DM
APPROVED BY: CEC

SCALE: AS SHOWN
DATE: APRIL 03, 2009
PROJECT NO.: JG 4515
SHEET NO.: 20 OF 21

THE LOUIS BERGER GROUP INC., FLORHAM PARK, NJ CADD FILE: I:\DRAWINGS\GRAPHICS\CADDTEMP\NJDEP\MSLA\Phase 1–Roadway\Revised–9/25\submission\Sheets 22–24 – Details.dwg

THE LOUIS BERGER GROUP INC., FLORHAM PARK, NJ CADD FILE: I:\DRAWINGS\GRAPHICS\CADDTEMP\NJDEP\MSLA\Phase 1-Roadway\Final Plan Sheets for Contractor - Addendum 1 & 2 incorporated\Sheet 8 - Site Operations.dwg

PLAN NOTES:

1. EXISTING TOPOGRAPHY AND SITE FEATURES BASED ON ROBINSON AERIAL SURVEYS, INC. SURVEY DATED JULY 2000 AND McCUMSEY-PETRY SURVEY OCTOBER 2000.
2. PROPERTY LINES DEPICTED TO THE WEST OF BLOCK 285, LOT 1A AND LOT 1B ARE BASED ON SURVEY PLAN TITLED "ACCESS ROAD, MSLA 1-D SITE, KEARNY, NEW JERSEY" DATED MAY 17,2007, PREPARED BY BANC3, INC., P.C. PROPERTY LINES DEPICTED TO THE EAST OF BLOCK 285, LOT 1A AND LOT 1B ARE BASED ON SURVEY PLAN TITLED "MUNICIPAL SANITARY LANDFILL AUTHORITY LANDFILL SITE 1-D" DATED JULY 27, 2000, PREPARED BY MCCUMSEY-PETRY, A DIVISION OF RCC DESIGN, INC.
3. THE HORIZONTAL COORDINATE SYSTEM AS SHOWN IN THIS CONTRACT IS THE NEW JERSEY STATE PLANE COORDINATE SYSTEM 1983. ALL ELEVATIONS SHOWN ARE IN ~~NATIONAL GEODETIC VERTICAL DATUM (NGVD) OF 1929.~~ NAD 83

SUGGESTED CONSTRUCTION SEQUENCE: SEE FO #022

1. ✓ INSTALL TEMPORARY SOIL EROSION CONTROLS.
2. INSTALL UTILITY PROTECTIVE MEASURES (INCLUDING BUT NOT LIMITED TO MARKING, PROTECTIVE FENCING, CONCRETE CROSSING SLABS, AND COORDINATING WITH PSE&G TO RELOCATE EXISTING UTILITY POLE).
3. ✓ CLEAR AND GRUB WITHIN LIMITS OF DISTURBANCE.
4. REMOVE 12" GAS PIPELINE.
5. INSTALL FENCING AND GATES.
6. FILL EAST POND AREA AND MONITOR SETTLEMENTS BEFORE PROCEEDING WITH NEW 6" GAS PIPELINE INSTALLATION. BEGIN CONSTRUCTION OF NORTHERN AND SOUTHERN PERIMETER ACCESS ROAD.
7. INSTALL NEW 6" GAS PIPELINE AND CONNECT TO GAS PLANT AND PSE&G PIPELINE. REMOVE EXISTING 6" PENN ENERGY PLANT GAS PIPELINE.
8. CONSTRUCT LANDFILL PERIMETER ACCESS ROAD.
9. CONSTRUCT CONCRETE PADS FOR GAS BLOWER AND FLARE.
10. ESTABLISH VEGETATION.
11. REMOVE SOIL EROSION CONTROLS.

0 50 100 200 300
SCALE IN FEET 1"=100'

NOTES:

1. PSE&G WILL LOCATE THE 12" GAS PIPELINE TO BE REMOVED ANDWILL DRILL HOLES IN IT TO VENT. CONTRACTOR IS RESPONSIBLE TO CUT AND CAP THE PIPELINE AT LOCATIONS SHOWN ON THE DRAWINGS. PSE&G WILL NOT CUT AND PLUG THE ENDS.
2. THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION (NJDEP) WILL OBTAIN ACCESS AGREEMENTS FOR ACCESS ROAD PRIOR TO ONSET OF CONSTRUCTION.
3. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FENCE.
4. THE CONTRACTOR SHALL CLEAR AND GRUB AREAS WITHIN LIMITS OF DISTURBANCE. THE CONTRACTOR IS NOT PERMITTED TO ACCESS AREAS BEYOND THE LIMITS OF DISTURBANCE.
5. THE CONTRACTOR SHALL INSTALL BLAZE ORANGE SECURITY FENCING ALONG TRANSCO EASEMENT ON SOUTH AND EAST PORTIONS OF THE SITE. REFER TO SPECIFICATIONS FOR MATERIAL DETAILS.
6. ITEMS SHOWN ON THIS SHEET ARE PROVIDED FOR AN OVERALL VIEW. DETAILS ARE AS SHOWN ELSEWHERE.
7. CONSTRUCTION TRAFFIC WILL BE REQUIRED TO ENTER THE SITE FROM THE ROUTE I-280 EASTBOUND RAMP TO HARRISON AVE AND TURN RIGHT INTO THE PROPOSED ACCESS DRIVEWAY IMMEDIATELY FOLLOWING THE GAS PLANT DRIVEWAY. EXITING SITE TRAFFIC WILL BE REQUIRED TO TURN RIGHT ONTO HARRISON AVE. REFER TO THE REQUIRED TRAFFIC FLOW PATTERNS DEPICTED ON PLANS.
8. PERMANENT FENCING SHALL BE PROVIDED ON THE WEST SIDE OF THE LANDFILL, ON THE SOUTH SIDE ALONG THE NORTHERN EDGE OF THE TRANSCO EASEMENT AND AT THE NORTHEAST ENTRANCE TO THE SITE. REFER TO ROADWAY PLANS FOR CLARITY ON THE LOCATIONS OF PROPOSED FENCING.
9. EXISTING ACCESS ROADS TO TOP OF LANDFILL (WASTE RELOCATION AREA) ARE OVERGROWN WITH VEGETATION.
10. THE CONTRACTOR SHALL INSTALL TEMPORARY FENCING AROUND THE TRAILERS IN THE STAGING AREA.
11. THE STORMWATER COLLECTION/SEEPAGE TRENCH THAT ANGLES INTO THE LANDFILL SHALL HAVE RA TYPE B MATERIAL BETWEEN STATIONS 5+00 AND 4+00.

No.	DATE	REVISION
C		
B	06/23/09	ADDENDUM 2 REVISIONS INCORPORATED
A	04/03/09	ISSUED FOR CONSTRUCTION

CHRISTOPHER E. CORLISS
N.J. PROFESSIONAL ENGINEER
LIC. NO. GE044822
CERTIFICATE OF AUTHORIZATION
24GA27933700

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
MSLA 1-D LANDFILL, KEARNY, NEW JERSEY
SITE IMPROVEMENTS PROJECTS

INITIAL SITE OPERATIONS

THE LOUIS BERGER GROUP, INC.
412 MOUNT KEMBLE AVE
MORRISTOWN, NEW JERSEY

DRAWN BY:	CEM
CHECKED BY:	DM
APPROVED BY:	CEC

SCALE:	DATE:	PROJECT NO.:	SHEET NO.:
1" = 100'	APRIL 03, 2009	JG 4515	8 OF 21