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GENERAL LIST OF UTILITIES

WILLIAMS--TRANSCO
99 FARBER ROAD
PRINCETON, NJ 08540
609-936-2400

MCI
7000 WESTON PARKWAY
CARY, NORTH CAROLINA 27513
1-800-840-0338

AT&T COMMUNICATIONS
ONE ATT WAY
BEDMINSTER, NJ 07921
908-221-4191

QWEST COMMUNICATIONS
165 HALSEY STREET
NEWARK, NJ 07102
973-596-1331

KEARNY MUNICIPAL UTILITIES AUTHORITY
39 CENTRAL AVE,
KEARNY, NJ 07032
973-465-5367

KEARNY WATER SERVICE
237 LAUREL AVENUE
KEARNY, NJ 07032
201-991-0723

THE PORT AUTHORITY OF
NEW YORK AND NEW JERSEY
225 PARK AVENUE SOUTH
NEW YORK, NY 10003
212-435-7000

COMCAST CABLE CO
301 SOUTH MAIN ROAD
VINELAND, NJ 08360

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLAZA, T6B
NEWARK, NJ 07102

VERIZON NEW JERSEY
540 BROAD STREET
NEWARK, NJ 07101

PASSAIC VALLEY WATER COMMISSION
1525 MAIN AVENUE
CLIFTON, NJ 07011
973-340-4300

PASSAIC VALLEY SEWERAGE COMMISSIONERS
600 WILSON AVENUE
NEWARK, NJ 07105
973-344-1800

GENERAL NOTES

- EXISTING TOPOGRAPHY AND SITE FEATURES BASED ON ROBINSON AERIAL SURVEYS, INC. SURVEY DATED JULY 2000 AND McCUMSEY-PETRY SURVEY OCTOBER 2000. SITE TOPOGRAPHY UPDATED BASED ON MASER SURVEY DATED JANUARY 2011. ACTUAL ELEVATIONS MAY DIFFER FROM DEPICTED DUE TO SETTLEMENT.
- 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 BANG3, 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.
- EXISTING UTILITY LINES ON HARRISON AVENUE WITHIN THE VICINITY OF KEARNY MUNICIPAL UTILITIES AUTHORITY'S PUMPING STATION HAVE BEEN SUPPLEMENTED WITH EXISTING UTILITY INFORMATION AVAILABLE ON CONSTRUCTION PLAN TITLED "MSLA-1D LANDFILL PUMPING STATION CONTRACT NO. 2006-3, HUDSON COUNTY, NEW JERSEY" DATED AUGUST 2007, PREPARED BY HATCH MOTT MCDONALD. UTILITY LINES DERIVED FROM THIS CONSTRUCTION PLAN ARE CONSIDERED APPROXIMATE.
- CONTRACTOR MUST PROTECT ALL MONITORING WELLS, EXISTING GAS WELLS IDENTIFIED FOR USE WITH THE FUTURE SYSTEM, INCLINOMETERS AND PIEZOMETERS DURING CONSTRUCTION, UNLESS OTHERWISE NOTED.
- HORIZONTAL DATUM = NAD83
- VERTICAL DATUM = NAVD88
- THE CONTRACTOR SHALL TRANSFER ALL HORIZONTAL AND VERTICAL SURVEY CONTROL FROM SURVEY MARKERS (TO BE LOCATED BY THE CONTRACTOR). THE HORIZONTAL AND VERTICAL DATUM SHALL BE THE SAME AS THAT PROVIDED ON THE SURVEY CONTROL DRAWING.
- CONTRACTOR MUST CALL THE NEW JERSEY ONE CALL LINE AND PROVIDE THE NJDEP AND ENGINEER CONFIRMATION BEFORE ANY EXCAVATION OR DIGGING ACTIVITIES.
- INDIVIDUAL DRAWINGS MAY HAVE ADDITIONAL LEGEND SYMBOLS SPECIFIC TO THE GIVEN DRAWING. THESE DRAWINGS WILL CONTAIN A SHEET SPECIFIC LEGEND LISTING.
- THE CONTRACTOR SHALL, DURING CONSTRUCTION OPERATIONS, ADHERE TO ALL CONDITIONS SET FORTH IN THE PERMITS AND ACCESS AGREEMENTS SHOWN IN THE TABLE BELOW.
- VEHICLES, CONSTRUCTION EQUIPMENT AND STOCKPILE/STORAGE AREAS ARE NOT PERMITTED WITHIN THE EXISTING WETLAND AREAS OR BEYOND THE LIMITS OF PROPOSED WORK.
- TOP OF CLAY SHOWN ON ALL SHEETS SHALL BE VERIFIED BY THE CONTRACTOR DURING EXCAVATION FOR BARRIER WALL. BOTTOM OF BARRIER WALL IS TO BE KEYED 3 FEET MINIMUM INTO THE CLAY LAYER. BOTTOM OF BARRIER WALL SHOWN ON ALL SHEETS IS FOR BIDDING PURPOSES ONLY.
- FOLLOWING COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL RESTORE THE SITE. THIS WILL INCLUDE REMOVAL OF ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES, TEMPORARY DEWATERING MEASURES AND ANY OTHER FEATURES NOT SPECIFIED ON PLANS AND SPECIFICATIONS TO THE SATISFACTION OF THE ENGINEER. ANY EXCEPTION TO THESE REQUIREMENTS SHALL BE SUBJECT TO THE WRITTEN AUTHORIZATION OF THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION.
- CONTRACTOR SHALL TAKE ALL NECESSARY ACTIONS TO PROTECT EXISTING DRAINAGE STRUCTURES ON THE SITE AS WELL AS ADJACENT TO THE SITE. THE CONTRACTOR SHALL REPAIR ANY STRUCTURES DAMAGED DURING CONSTRUCTION AS DIRECTED BY THE NJDEP OR ENGINEER AT NO ADDITIONAL COST TO THE NJDEP.
- THE CONTRACTOR SHALL PROTECT ALL WORK AREAS ON SITE AND INSTALL EROSION CONTROL DEVICES AS NEEDED TO PROTECT HIS WORK, AND SHALL BE MAINTAINED AT NO COST TO THE NJDEP.
- VEGETATION AND COVER SHALL BE REMOVED AS NEEDED WITHIN THE LIMITS OF DISTURBANCE. ANY TREES AND TREE PARTS SHALL BE CHIPPED PRIOR TO DISPOSAL. ALL VEGETATION AND CHIPPED MATERIAL SHALL BE SPREAD IN THIN LIFTS NO MORE THAN 4 INCH THICK ON TOP OF THE LANDFILL.
- MANAGEMENT OF EXPOSED WASTE IS THE CONTRACTOR'S RESPONSIBILITY.
- STORMWATER CONTROL IS THE CONTRACTOR'S RESPONSIBILITY. ANY WASHOUT OF THE CONTRACTOR'S WORK SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE NJDEP.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPORT AND DEWATERING EXCAVATIONS INCLUDING ITEMS SUCH AS PUMP STATIONS AND ASSOCIATED PIPE INSTALLATIONS.
- THE CONTRACTOR SHALL OBTAIN ALL OTHER REQUIRED CITY OR COUNTY PERMITS INCIDENTAL TO THE WORK. SEPARATE PAYMENT WILL NOT BE MADE FOR OBTAINING AND COMPLYING WITH SUCH INCIDENTAL PERMITS UNLESS NOTED OTHERWISE IN THESE SPECIFICATIONS.
- AREAS THAT HAVE BEEN GIVEN APPROVAL BY THE ENGINEER FOR GRADING, MAY SETTLE BETWEEN SUBSEQUENT MATERIAL LIFTS. IF GRADING SETTLEMENT OCCURS, THE CONTRACTOR SHALL ALERT THE ENGINEER AND ENGINEER WILL DETERMINE IF DEVIATIONS FROM PROPOSED ELEVATIONS WILL BE ACCEPTABLE. SUBSEQUENT LIFTS WILL BE GOVERNED BY MATERIAL THICKNESS. THE CONTRACTOR WILL NOT BE PERMITTED TO INSTALL MATERIAL OF SUBSEQUENT LIFTS AT GREATER THICKNESSES THAN CONTRACT SPECIFICATIONS, UNLESS APPROVED BY THE ENGINEER.

PERMITS

PERMIT	PERMIT NUMBER	ISSUING AGENCY	EXPIRATION DATE
NJDEP AIR PERMIT	PCP110001	NJDEP	1/16/22
FLOOD HAZARD AREA INDIVIDUAL PERMIT	0907-06-0001.1 FHA 110001	NJDEP	8/23/21
SOIL EROSION AND SEDIMENT CONTROL PLAN CERTIFICATION	212-H-2980	HEP - SCD	9/28/19
NJDEP LANDFILL CLOSURE PLAN APPROVAL	LCC10001	NJDEP	TO BE EXTENDED
TIDELANDS LICENSE	0907-06-0001.1 TDI100001	NJDEP	SEE PERMIT
NJPDES STORMWATER -- INDIVIDUAL CONSTRUCTION PERMIT	NJ0198579	NJDEP	SEE PERMIT
PVSC SEWER CONNECTION ENDORSEMENT	2012191513545	PVSC	N/A

ACCESS AGREEMENTS

BLOCK/LOT	ACCESS/EASEMENT GRANTOR	ALLOWED USE
BLOCK 285, LOT 2A	NJ DEPARTMENT OF TRANSPORTATION	SLURRY WALL CONSTRUCTION
BLOCK 285, LOT 2	TOWN OF KEARNY	LANDFILL CLOSURE CONSTRUCTION



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

LIST OF CONTRACT DRAWINGS
AND GENERAL NOTES



THE LOUIS BERGER GROUP, INC.
412 MOUNT KEMBLE AVE.
MORRISTOWN, NEW JERSEY 07962

DRAWN BY: JK
CHECKED BY: DM
APPROVED BY: CC

SCALE: AS SHOWN
DATE: SEPTEMBER 19, 2013
PROJECT NO.: KT 323P0
SHEET NO.: 2 OF 78

CHRISTOPHER E. CORLISS

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

C		
B	9/09/16	REVISED FOR ADDENDUM 4
A	9/14/12	ISSUED FOR CONSTRUCTION
No.	DATE	REVISION

ITEM NUMBER	DESCRIPTION	UNIT	ESTIMATED QUANTITY	AS-BUILT QUANTITIES	SPEC SECTION
1.4.1	MOBILIZATION	LUMP SUM	1		1.4
1.4.2	TRAFFIC POLICE	ALLOWANCE	\$50,000		1.4
1.5	DEMOBILIZATION	LUMP SUM	1		1.5
1.6	FIELD OFFICE SETUP	LUMP SUM	1		1.6
1.7	FIELD OFFICE MAINTENANCE	MONTH	25		1.7
1.8	INTERNET SERVICE	ALLOWANCE	\$5,000		1.8
1.9.1	ELECTRICITY	ALLOWANCE	\$4,800		1.9
1.9.1A	ELECTRICITY: STATE AND ENGINEER'S TRAILERS	MONTH	24		1.9
1.9.1B	ELECTRICITY: SOUTH PUMP STATION	MONTH	17		1.9
1.9.2	GAS PIPELINE ENGINEERING & INSPECTION	ALLOWANCE	\$5,000		1.9
1.9.3	TRAILER / PERMIT FEES	ALLOWANCE	\$2,500		1.9
1.10.1	SIEVE ANALYSIS (ASTM D422 / AASHTO T27), IF AND WHERE DIRECTED	EACH	20		1.10
1.10.2	RELATIVE DENSITY (ASTM D1556 OR ASTM D698), IF AND WHERE DIRECTED	EACH	20		1.10
1.10.3	MODIFIED PROCTOR (ASTM D1557), IF AND WHERE DIRECTED	EACH	20		1.10
1.10.4	CONCRETE COMPRESSIVE STRENGTH (ASTM C39), IF AND WHERE DIRECTED	EACH	20		1.10
1.10.5	PERMEABILITY (ASTM D2434 / ASTM D5084), IF AND WHERE DIRECTED	EACH	20		1.10
1.10.6	DIRECT SHEAR TESTING BETWEEN SOILS AND GEOSYNTHETICS (ASTM D5321), IF AND WHERE DIRECTED	EACH	20		1.10
1.10.7	OROUT COMPRESSIVE STRENGTH (ASTM C39), IF AND WHERE DIRECTED	EACH	20		1.10
1.10.8	FIELD SEAM DESTRUCTIVE TESTING, IF AND WHERE DIRECTED	EACH	20		1.10
1.10.9	MODIFIED COMBENT TESTING (ASTM D698), IF AND WHERE DIRECTED	EACH	20		1.10
1.10.10	DENSITY (ASTM D2930), IF AND WHERE DIRECTED	EACH	20		1.10
1.10.11	ATTERBERG LIMITS (ASTM D4318), IF AND WHERE DIRECTED	EACH	20		1.10
1.10.12	STANDARD PROCTOR COMPACTION (ASTM D698), IF AND WHERE DIRECTED	EACH	20		1.10
1.10.13	TRIAIAL COMPRESSION (ASTM D4767), IF AND WHERE DIRECTED	EACH	20		1.10
1.10.14	BULK SPECIFIC GRAVITY (ASTM C127), IF AND WHERE DIRECTED	EACH	20		1.10
1.10.15	GEOMEMBRANE TENSILE STRENGTH (ASTM D6693), IF AND WHERE DIRECTED	EACH	20		1.10
1.10.16	GEOMEMBRANE PEEL AND SHEAR STRENGTH (ASTM D6392), IF AND WHERE DIRECTED	EACH	20		1.10
1.11.1	RECORD DRAWINGS	LUMP SUM	\$5,000		1.11
1.11.2	RECORD DRAWINGS (IF NEEDED)	LUMP SUM	1		1.11
2.1.1	SITE CLEARING AND GRUBBING	LUMP SUM	1		2.1
2.1.2	TIRE REMOVAL AND DISPOSAL	EACH	5,000		2.1
2.1.3	WELL ABANDONMENT	LINEAR FOOT	3,500		2.1
2.2.1	EROSION AND SEDIMENTATION CONTROL	MONTH	24		2.2
2.2.2	ADDITIONAL SILT FENCE, IF AND WHERE DIRECTED	LINEAR FOOT	500		2.2
2.2.3	ADDITIONAL STRAW OR HAY BALES, IF AND WHERE DIRECTED	EACH	100		2.2
2.4.1	WASTEFILL AND EARTH EXCAVATION	CUBIC YARD	88,000		2.4
2.4.2	EXCAVATION OF TEST PITS, IF AND WHERE DIRECTED	EACH	20		2.4
2.4.3	WASTEFILL AND EARTH EXCAVATION, IF AND WHERE DIRECTED	CUBIC YARD	15,000		2.4
2.6	SLAG-CB BARRIER WALL	SQUARE FOOT	350,000		2.6
2.7	INSTALLATION OF MONITORING WELL	LINEAR FOOT	420		2.7
2.8.1	MODIFIED FILL, I-13, 6" THICK	SQUARE YARD	390,000		2.8
2.8.2	MODIFIED FILL, I-13, IF AND WHERE DIRECTED	TONS	50,000		2.8
2.9	MODIFICATION OF MONITORING WELLS	LINEAR FOOT			2.9
2.10.1	PERFORATED HDPE LEACHATE PIPE, 8" DIAMETER	LINEAR FOOT	8,600		2.10
2.10.2	LEACHATE CLEAN OUT	EACH	3		2.10
2.10.3	FORCEMAIN HDPE	LINEAR FOOT	3,210		2.10
2.10.4	FORCEMAIN CLEAN OUT	EACH	3		2.10
2.10.5	FORCEMAIN COMBINATION ARV AND FORCEMAIN CLEANOUT	EACH	1		2.10
2.11.1	NORTH PUMP STATION	LUMP SUM	1		2.11
2.11.2	SOUTH PUMP STATION	LUMP SUM	1		2.11
2.11.3	NORTH PUMP STATION - POWER CONNECTION	LUMP SUM	1		2.11
2.11.4	SOUTH PUMP STATION - POWER CONNECTION	LUMP SUM	1		2.11
2.12	GEOMEMBRANE	SQUARE YARD	390,000		2.12
2.13.1	COMPOSITE DRAINAGE NET	SQUARE YARD	390,000		2.13
2.13.2	MODIFIED FILL I-13, 12" THICK	SQUARE YARD	390,000		2.13

NOTE: LINEAR FOOT, SQUARE YARD, SQUARE FOOT AND CUBIC YARD MEASUREMENTS ARE IN THE HORIZONTAL PLANE. REFER TO SPECIFICATIONS.

ITEM NUMBER	DESCRIPTION	UNIT	ESTIMATED QUANTITY	AS-BUILT QUANTITIES	SPEC SECTION
2.13.3	INFILTRATION STRIP DRAIN, 18" WIDE	LINEAR FOOT	28,000		2.13
2.13.4	COMPOSITE DRAINAGE NET, IF AND WHERE DIRECTED	SQUARE YARD	1,000		2.13
2.14.1	GEOTEXTILES, TYPE A, IF AND WHERE DIRECTED	SQUARE YARD			2.14
2.14.2	GEOTEXTILES, TYPE B, IF AND WHERE DIRECTED	SQUARE YARD	13,000		2.14
2.16.1	GAS PIPE, 4" DIAMETER	LINEAR FOOT	8,600		2.16
2.16.2	GAS PIPE, 6" DIAMETER	LINEAR FOOT	4,750		2.16
2.16.3	GAS PIPE, 8" DIAMETER	LINEAR FOOT	9,500		2.16
2.16.4	GAS EXTRACTION WELLS	LINEAR FOOT	2,340		2.16
2.16.5	GAS WELL BOREHOLE ABANDONMENT	LINEAR FOOT	240		2.16
2.16.6	CONDENSATE TRAP	EACH	42		2.16
2.16.7	GAS MONITORING PROBES	EACH	17		2.16
2.17	HDPE BUTTERFLY VALVE	EACH	41		2.17
2.18.1	GAS BLOWER AND FLARE SYSTEM	LUMP SUM	1		2.18
2.18.2	GAS BLOWER AND FLARE SYSTEM - POWER CONNECTION	LUMP SUM	1		2.18
2.20	COARSE AGGREGATE, IF AND WHERE DIRECTED	CUBIC YARD	1,000		2.20
2.21.1	4" RIPRAP	TONS	1,200		2.21
2.21.2	7" RIPRAP	TONS	120		2.21
2.22.1	DOWNPIPE, 12" DIAMETER	LINEAR FOOT			2.22
2.22.2	DOWNPIPE, 18" DIAMETER	LINEAR FOOT	800		2.22
2.22.3	STORMWATER INLET	EACH	19		2.22
2.22.4	STILLING WELL	EACH	7		2.22
2.22.5	STORMWATER DISCHARGE PIPE	LINEAR FOOT	360		2.22
2.22.6	NORTH BASIN - STORMWATER OVERFLOW STRUCTURE	EACH	1		2.22
2.22.7	SOUTH BASIN - STORMWATER OVERFLOW STRUCTURE	EACH	1		2.22
2.22.8	DRAINAGE CULVERT	LINEAR FOOT	340		2.22
2.22.9	CONCRETE WATER CHANNEL	LINEAR FOOT	750		2.22
2.23	GABIONS	CUBIC YARD	2,350		2.23
2.24.1	REVEGETATION	SQUARE YARD	390,000		2.24
2.24.2	TOPSOIL, 6" THICK	SQUARE YARD	390,000		2.24
2.24.3	EROSION CONTROL MATTING	SQUARE YARD	251,100		2.24
2.24.4	SWALE REINFORCEMENT MATTING	SQUARE YARD	28,500		2.24
2.25	CONCRETE PAD FOR COMBUSTION AIR BLOWER	LUMP SUM	1		2.25
2.26.1	ACCESS ROAD, 8" THICK	SQUARE YARD	13,200		2.26
2.26.2	PERIMETER ACCESS ROAD (RA TYPE B REUSE)	SQUARE YARD	27,000		2.26
2.26.3	RE-THIN FILL, IF AND WHERE DIRECTED	TONS	40,000		2.26
2.27.1	NEW INCLINOMETERS	LINEAR FOOT	6		2.27
2.27.2	EXISTING INCLINOMETERS	EACH	6		2.27
2.28	MICROPILES	LINEAR FOOT	550		2.28
2.29.1	CHAIN LINK FENCE WITH BARBED WIRE, 8' HIGH	LINEAR FOOT	255		2.29
2.29.2	CHAIN LINK GATE WITH BARBED WIRE, 10' WIDE	EACH	1		2.29
3.1.1	HEALTH AND SAFETY PLAN	LUMP SUM	1		3.1
3.1.2	IMPLEMENTATION OF HEALTH AND SAFETY PLAN	MONTH	24		3.1
3.2.1	CONSTRUCTION PLAN	LUMP SUM	1		3.2
3.2.2	ADHERENCE TO CONSTRUCTION PLAN	MONTH			3.2
3.3	HAZARDOUS SUBSTANCE CONTAINER REMOVAL AND STAGING	EACH	25		3.3
3.4	HAZARDOUS SUBSTANCE STAGING AREA	MONTH	24		3.4
3.6	CONSTRUCTION EROSION SEDIMENT CONTROL PLAN	LUMP SUM	1		3.6
4.1.1	OPERATION AND MAINTENANCE DURING CONSTRUCTION	MONTH	9		4.1
4.1.2	PVSC AND KMUA DISPOSAL FEES	ALLOWANCE	\$270,000		4.1
4.1.3	PVSC TESTING AND REPORTING	EACH	19		4.1
4.2.1	OPERATION AND MAINTENANCE (YEAR 1)	LUMP SUM	1		4.2
4.2.2	OPERATION AND MAINTENANCE (YEAR 2)	MONTH	12		4.2

CHRISTOPHER E. CORLISS

C		
B	9/09/16	REVISED FOR ADDENDUM 4
A	9/14/12	ISSUED FOR CONSTRUCTION
No.	DATE	REVISION

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



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

ESTIMATE OF QUANTITIES



THE LOUIS BERGER GROUP, INC.
412 MOUNT KEMBLE AVE.
MORRISTOWN, NEW JERSEY 07962

DRAWN BY: JK

CHECKED BY: DM

APPROVED BY: CC

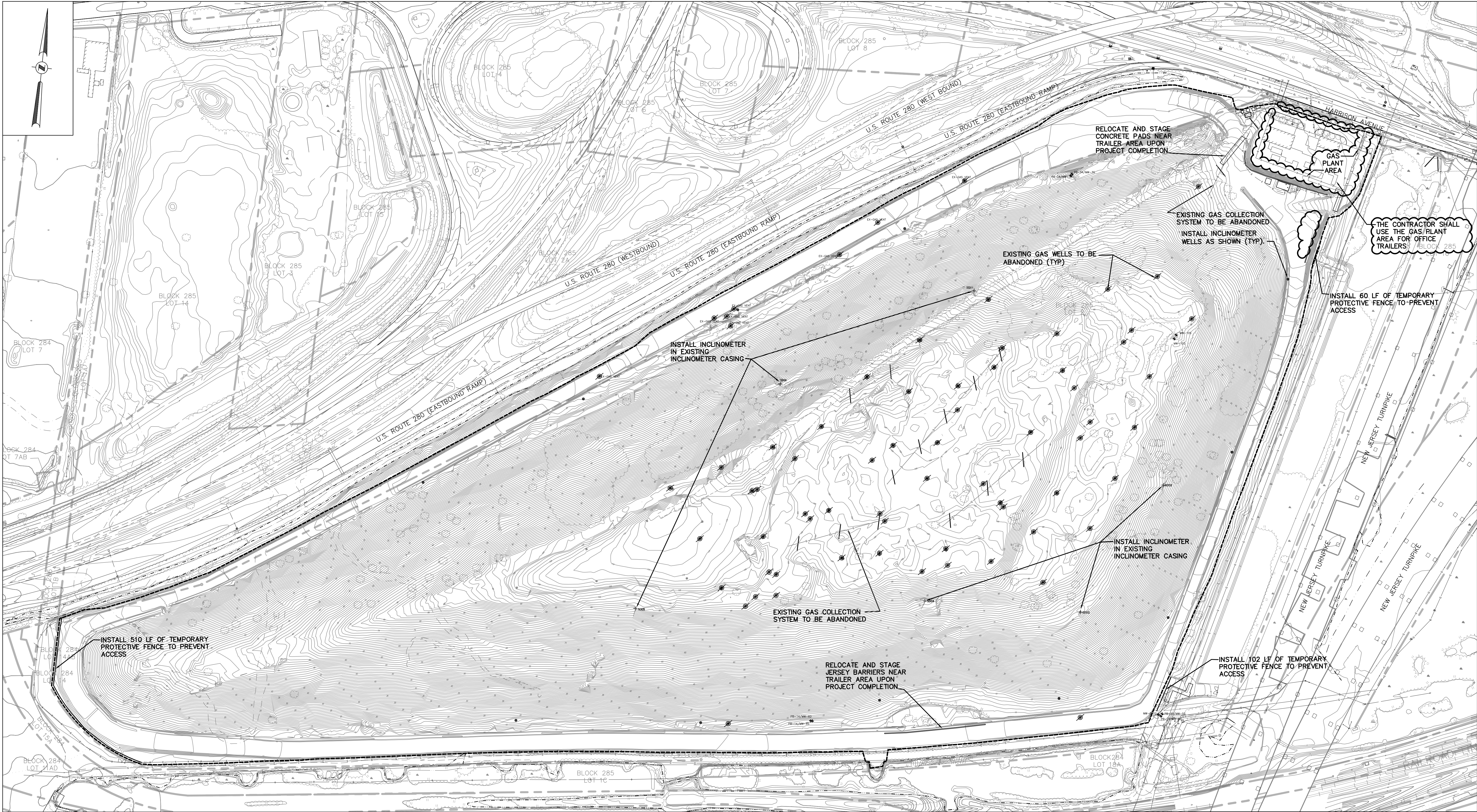
SCALE:
AS SHOWN

DATE:
SEPTEMBER 19, 2013

PROJECT NO.:
KT 323P0

SHEET NO.:
4 OF 78

THE LOUIS BERGER GROUP, INC., MORRISTOWN, NJ CAUD FILE: \\Operations\032\Landfill Design\MSLA-1D\Construction\Phase II - Landfill Closure\Addendum\Drawings\MSLA 1D - Site Operation Plan (Addendum Rev Sept 2016).dwg Sep 09, 2016



SUGGESTED CONSTRUCTION SEQUENCE:

1. INSTALL TEMPORARY SOIL EROSION CONTROLS.
2. INSTALL UTILITY PROTECTIVE MEASURES (INCLUDING BUT NOT LIMITED TO MARKING, ORANGE CONSTRUCTION FENCE NEAR GAS EMBANKMENT ENTRANCE, AND PROTECTIVE FENCING).
3. CLEAR AND GRUB WITHIN LIMITS OF DISTURBANCE.
4. RELOCATE WASTE AND GRADE SITE.
5. INSTALL INCLINOMETERS.
6. CONSTRUCT LEACHATE COLLECTION SYSTEM AND START-UP EXISTING PUMPING STATION FOR PVSC DISCHARGE.
7. INSTALLATION OF BARRIER WALL SHALL BEGIN FROM NORTHWESTERN SIDE AND PROGRESS TO THE EASTERN SIDE, THEN THE SOUTHERN SIDE.
8. INSTALL GROUNDWATER MONITORING WELLS FOR SLURRY WALL GROUNDWATER ELEVATION GRADIENT.
9. INSTALL GAS VENTING SYSTEM.
10. CONSTRUCT LANDFILL CAP.
11. INSTALL PERMANENT STORMWATER CONTROLS.
12. ESTABLISH VEGETATION.
13. REMOVE SOIL EROSION CONTROLS.

NOTES:

1. THE CONTRACTOR SHALL PROVIDE A PRECONSTRUCTION VIDEO TO RECORD THE EXISTING CONDITION OF THE ENTRANCE ROAD, EXISTING ASPHALT AREAS, PERIMETER FENCING, MONITORING WELLS, ALL PERMANENT AND TEMPORARY FACILITIES, AND OTHER SITE FEATURES PRIOR TO INITIATING WORK. ANY DAMAGE TO THE FACILITIES, CAUSED BY THE CONTRACTOR, SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
2. THE CONTRACTOR SHALL CLEAR AND GRUB AREAS WITHIN LIMITS OF DISTURBANCE. THE CONTRACTOR IS NOT PERMITTED TO ACCESS AREAS BEYOND THE LIMITS OF DISTURBANCE.
3. ITEMS SHOWN ON THIS SHEET ARE PROVIDED FOR AN OVERALL VIEW. DETAILS ARE AS SHOWN ELSEWHERE.
4. ALL TRAFFIC WILL BE REQUIRED TO ENTER THE SITE FROM THE ROUTE 1-280 EASTBOUND RAMP/HARRISON AVE AND TURN RIGHT INTO THE PROPOSED ACCESS DRIVEWAY IMMEDIATELY FOLLOWING THE GAS PLANT DRIVEWAY. ALL EXITING SITE TRAFFIC WILL BE REQUIRED TO TURN RIGHT ONTO HARRISON AVE.
5. CONTRACTOR SHALL ESTABLISH ALL STAGING AND STOCKPILE AREAS WITHIN THE LIMIT OF DISTURBANCE.
6. SLURRY WALL CONSTRUCTION SHALL BEGIN NEAR STATION 35+00 AND PROGRESS ALONG THE NORTHWESTERN SIDE OF THE LANDFILL. THIS LEG SHALL BE COMPLETED FIRST BEFORE SLURRY WALL CONSTRUCTION WILL BE PERFORMED ON THE EASTERN OR SOUTHERN LEGS.
7. TEMPORARY PROTECTIVE FENCE SHALL BE INSTALLED ACROSS ENTRANCES TO THE TRANSOCO GAS PIPELINE EMBANKMENT (AS SHOWN). CONTRACTOR SHALL NOT BE PERMITTED TO ACCESS THE GAS PIPELINE EMBANKMENT WITH TRUCKS OR OTHER CONSTRUCTION VEHICLES.
8. EXISTING MONITORING WELLS IDENTIFIED FOR PROTECTION SHALL BE PROTECTED BY CONTRACTOR. AT MINIMUM, THE CONTRACTOR SHALL INSTALL 6 FT HIGH BRIGHTLY-COLORED FLAGS. THE CONTRACTOR IS RESPONSIBLE TO REPAIR ANY WELLS DAMAGED BY HIS OPERATIONS AT NO COST TO THE STATE.
9. CONTRACTOR SHALL ABANDON ALL GAS AND GROUND WATER MONITORING WELLS ON TOP OF LANDFILL IN ACCORDANCE WITH NJDEP REGULATIONS WHERE INDICATED ON THE DRAWINGS.
10. THE CONTRACTOR IS NOT PERMITTED TO ACCESS BLOCK 285, LOT 1C UNLESS WRITTEN PERMISSION IS PROVIDED BY PSE&G, WHICH THE CONTRACTOR SHALL PROVIDE THE NJDEP. ANY POTENTIAL COSTS INCURRED FOR USE OF THIS AREA WILL NOT BE PAID BY THE STATE.



CHRISTOPHER E. CORLISS

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

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

INITIAL SITE OPERATIONS

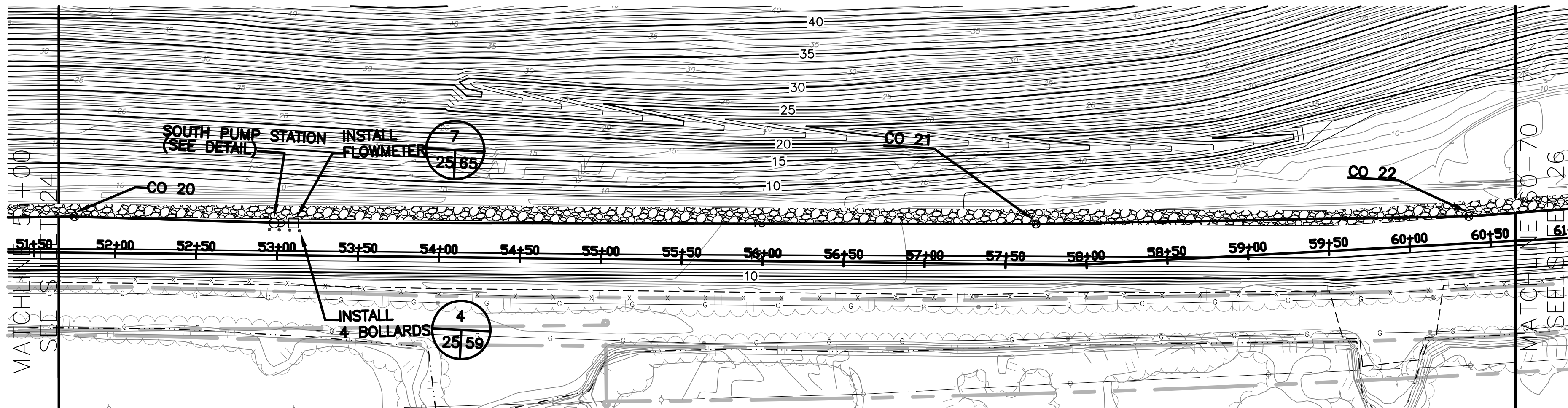


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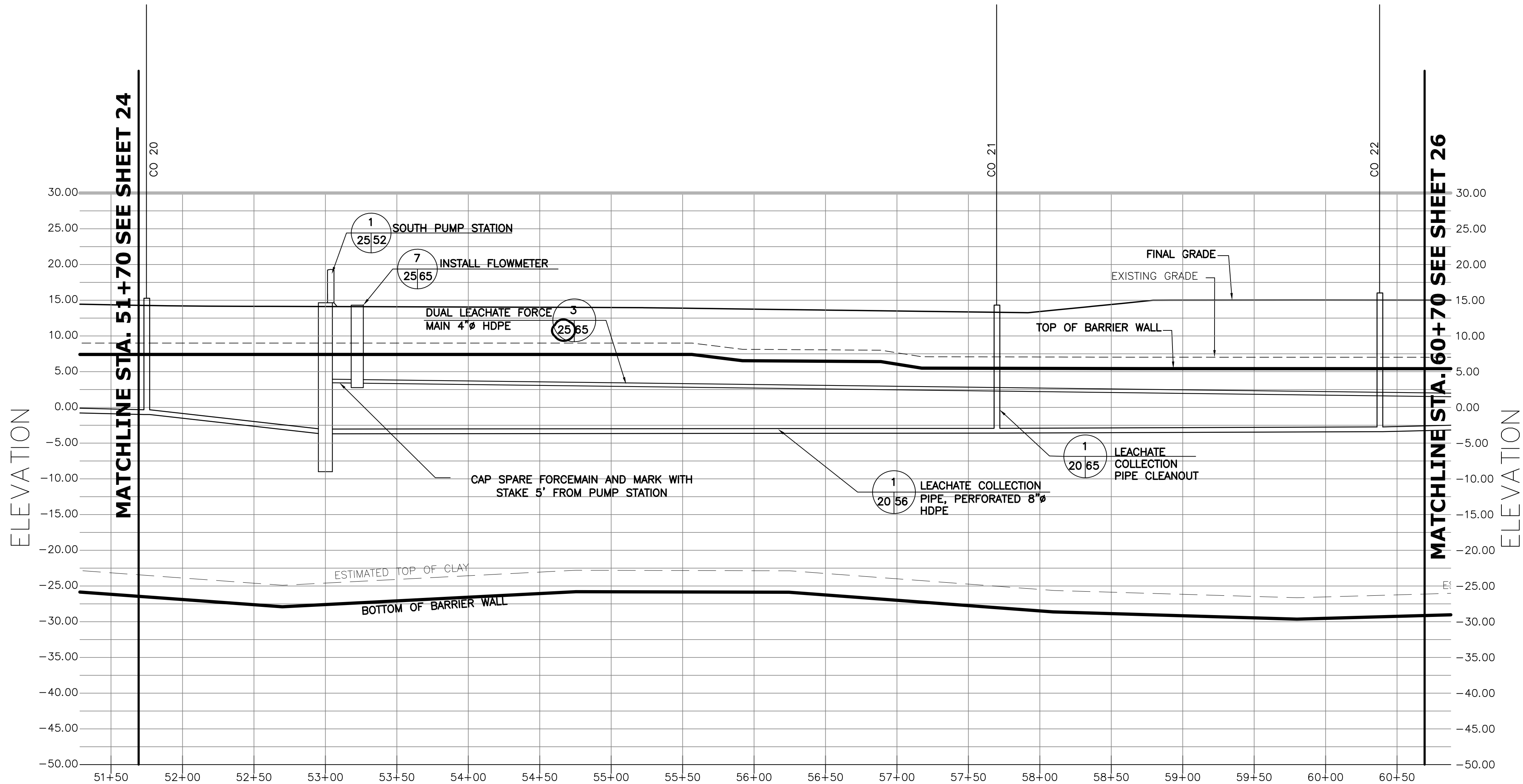
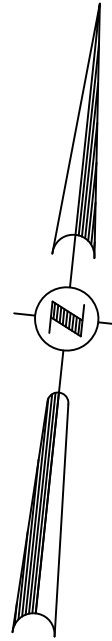
SCALE: AS SHOWN	DATE: SEPTEMBER 19, 2013	PROJECT NO.: KT 323P0	SHEET NO.: 11 OF 78
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APPROVED BY: CC

THE LOUIS BERGER GROUP, INC., MORRISTOWN, NJ CAD FILE: \\mtr-fs-01\VP\Operations\032\Landfill Closure\Addendum\Drawings\MSLA 1-D - Slurry Wall Profile Sheets.dwg Sep 09, 2016



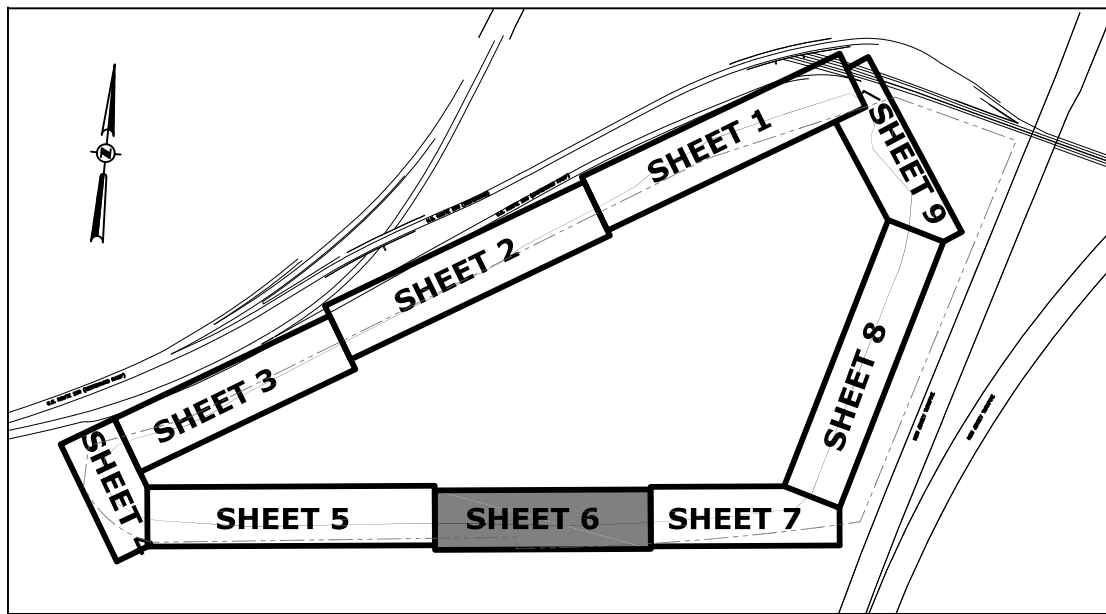
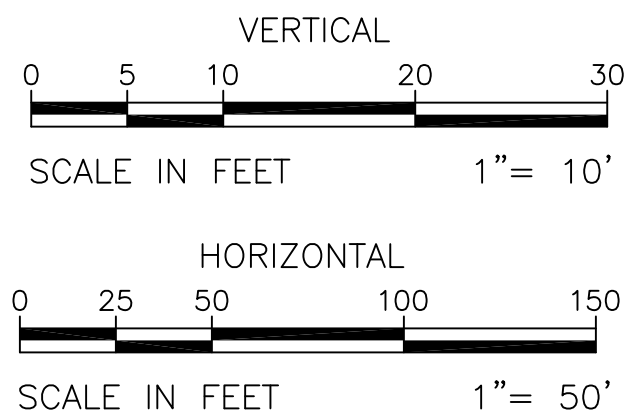
PLAN



PROFILE

- NOTES:
- CONTRACTOR SHALL SEGREGATE AND STOCKPILE THE RECYCLED AGGREGATE EXCAVATED FOR THE SLURRY WALL AND LEACHATE COLLECTION SYSTEM FOR REUSE.

CO	NORTHING	EASTING	INVERT	RIM
20	696372.24	595016.69	-1.0	15.3
SOUTH PS	696380.80	595139.74	-3.7	-
21	696428.26	595607.97	-3.6	14.3
22	696460.17	595873.29	-3.4	16.0



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

BARRIER WALL & LEACHATE SYSTEM PROFILE - STA. 51+70 - 60+70



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KT 323P0

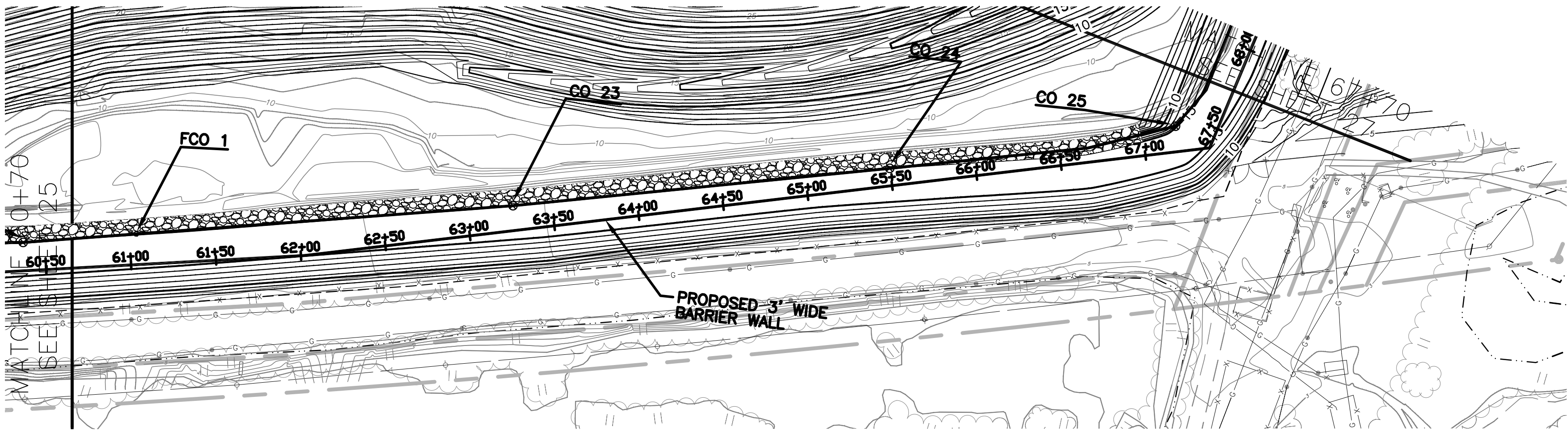
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CHRISTOPHER E. CORLISS

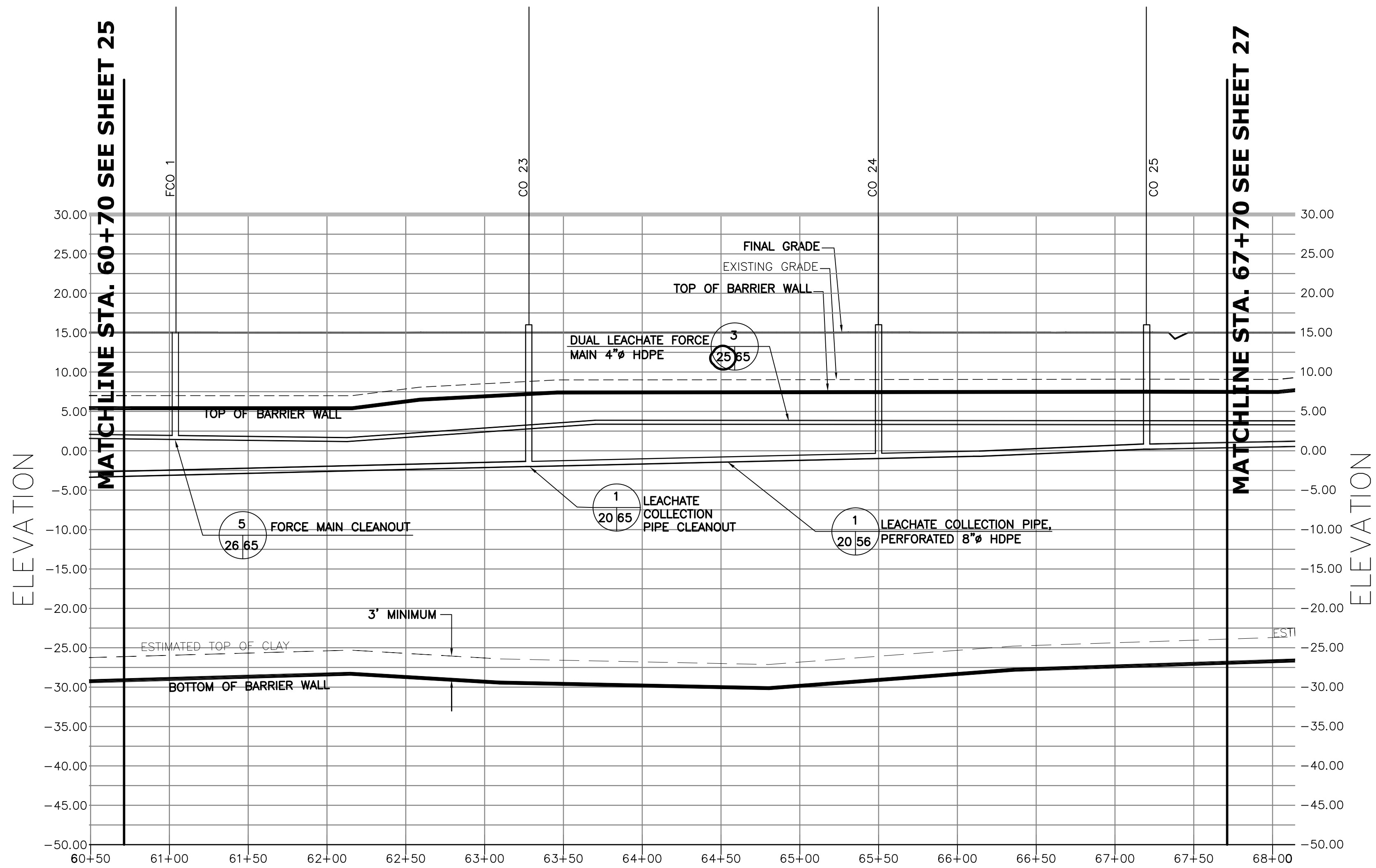
N.J. PROFESSIONAL ENGINEER
LIC. NO. 24GE044822
CERTIFICATE OF AUTHORIZATION
24GA27933700

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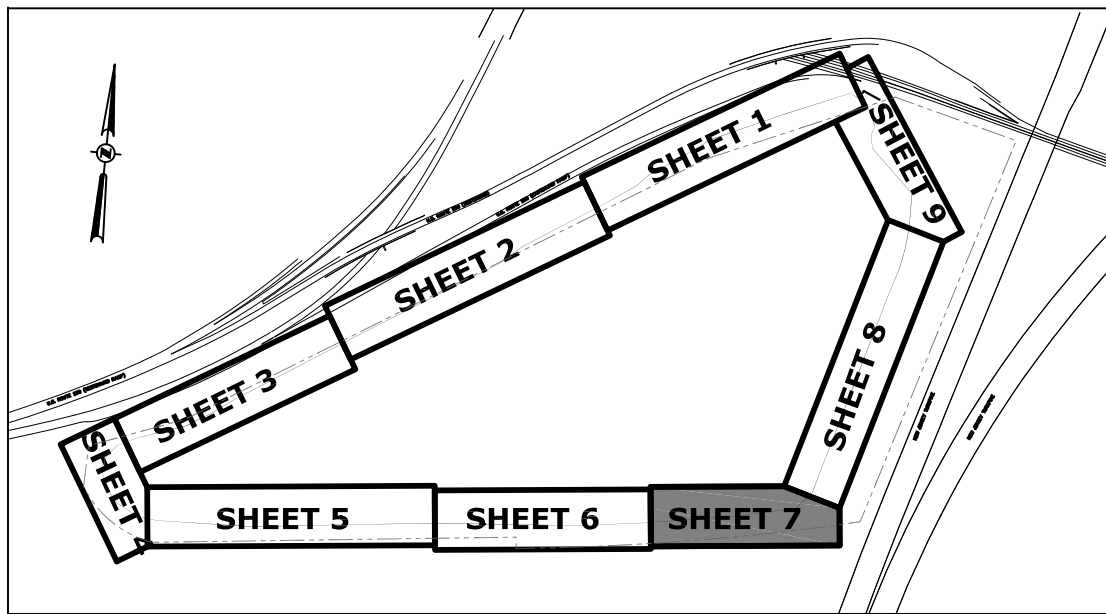


PLAN



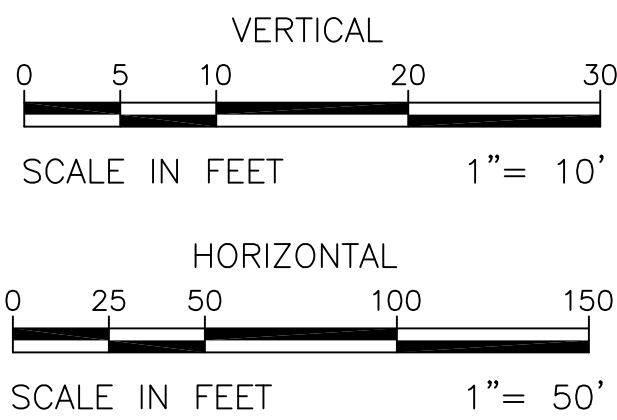
PROFILE

- NOTES:
- CONTRACTOR SHALL SEGREGATE AND STOCKPILE THE RECYCLED AGGREGATE EXCAVATED FOR THE SLURRY WALL AND LEACHATE COLLECTION SYSTEM FOR REUSE.



CO	NORTHING	EASTING	INVERT	RIM
23	696510.99	596157.57	-2.0	16.0
24	696555.39	596375.67	-1.0	16.0
25	696597.18	596540.30	0.2	16.0

FCO	NORTHING	EASTING	INVERT	RIM
1	696472.00	595938.98	1.5	15.0



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

BARRIER WALL & LEACHATE SYSTEM PROFILE - STA. 60+70 - 67+70



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PROJECT NO.:
KT 323P0

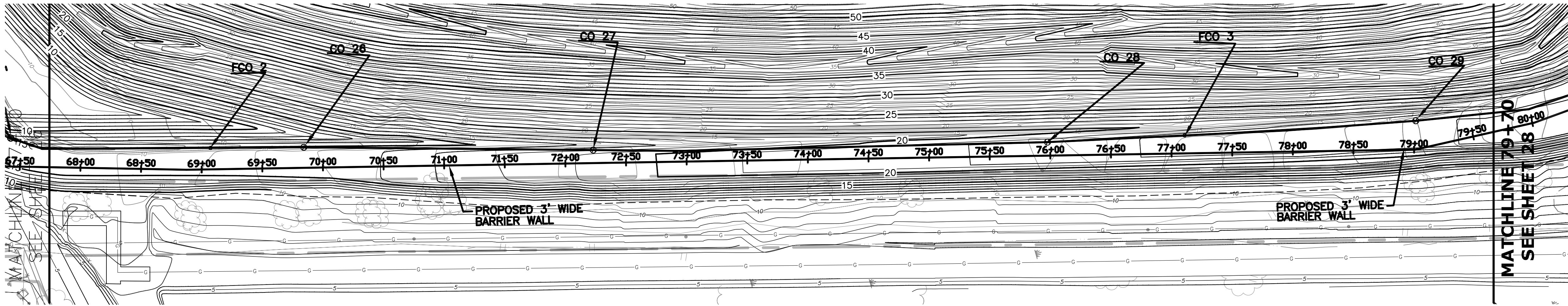
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CHRISTOPHER E. CORLISS

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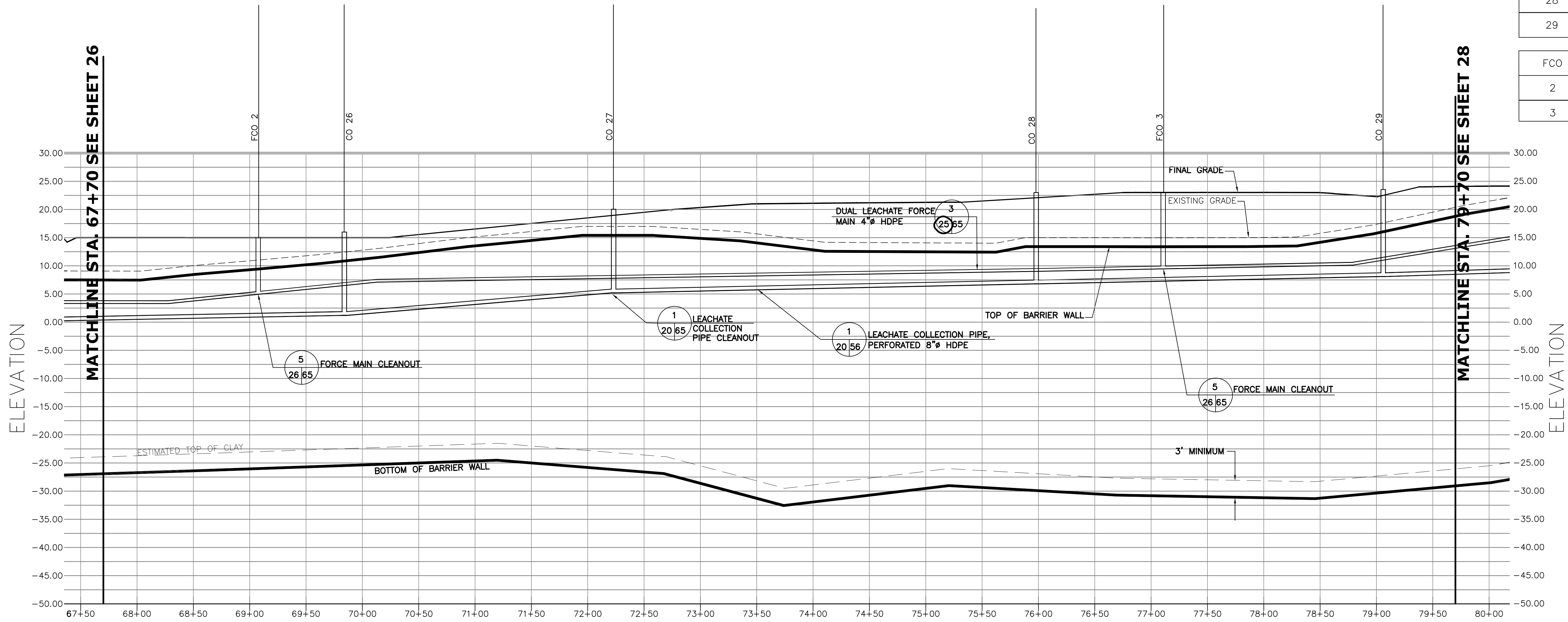
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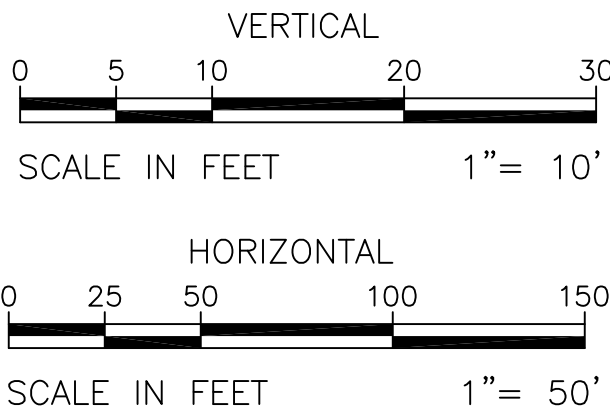
PLAN

CO	NORTHING	EASTING	INVERT	RIM
26	696827.76	596613.30	1.2	16.0
27	697056.86	596680.36	5.2	20.0
28	697419.23	596775.89	6.8	23.0
29	697716.26	596841.46	8.1	23.6

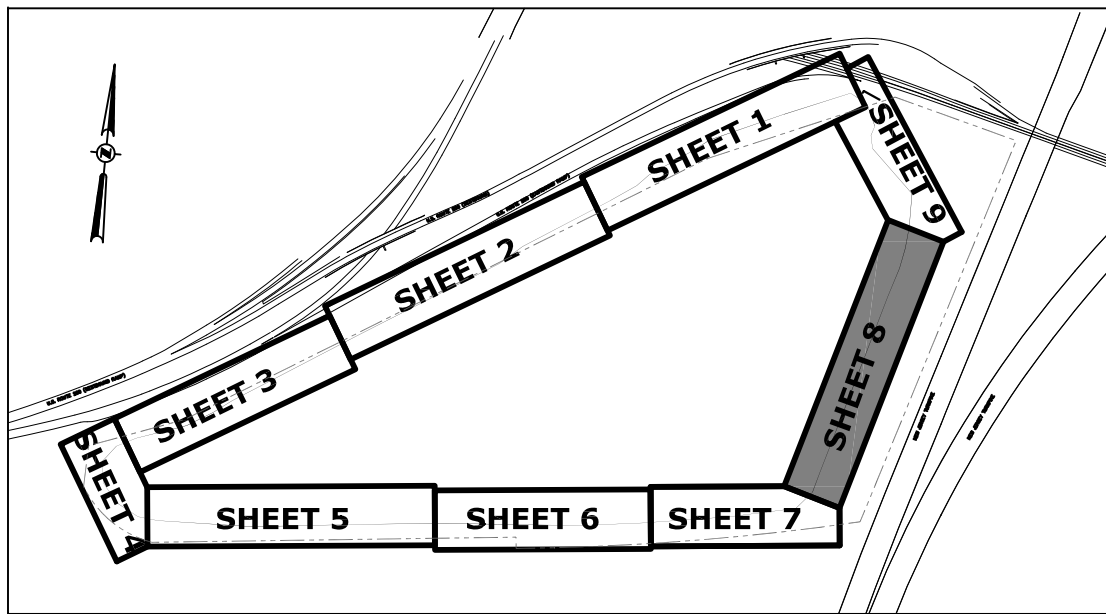
FCO	NORTHING	EASTING	INVERT	RIM
2	696753.60	596592.81	5.0	15.0
3	697529.49	596801.29	9.4	23.0



PROFILE



- NOTES:
- CONTRACTOR SHALL SEGREGATE AND STOCKPILE THE RECYCLED AGGREGATE EXCAVATED FOR THE SLURRY WALL AND LEACHATE COLLECTION SYSTEM FOR REUSE.



No.	DATE	REVISION
C		
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CHRISTOPHER E. CORLISS

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

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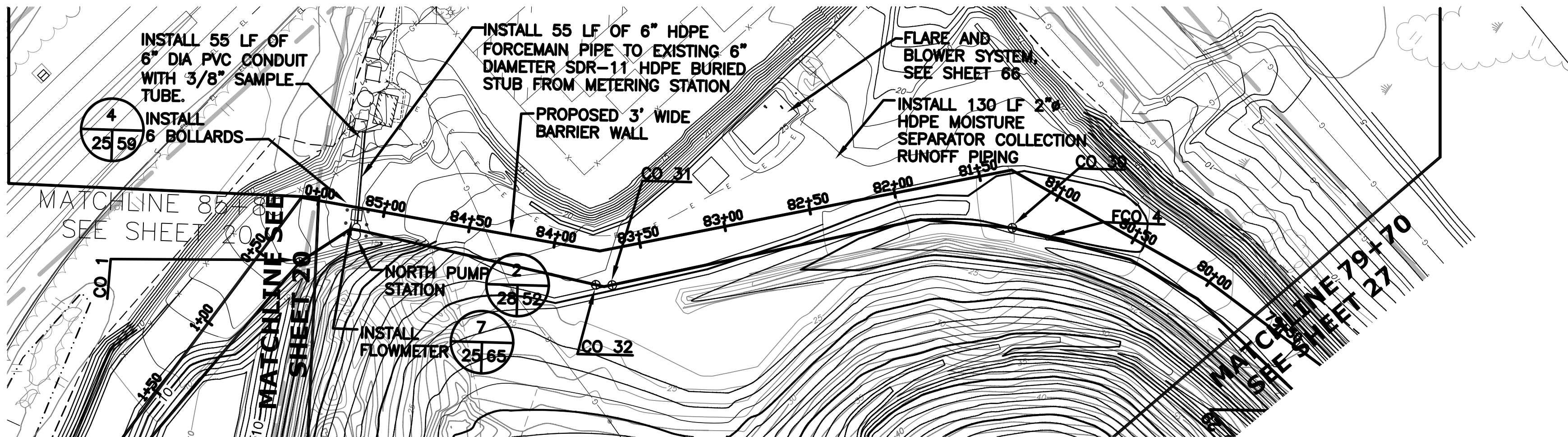
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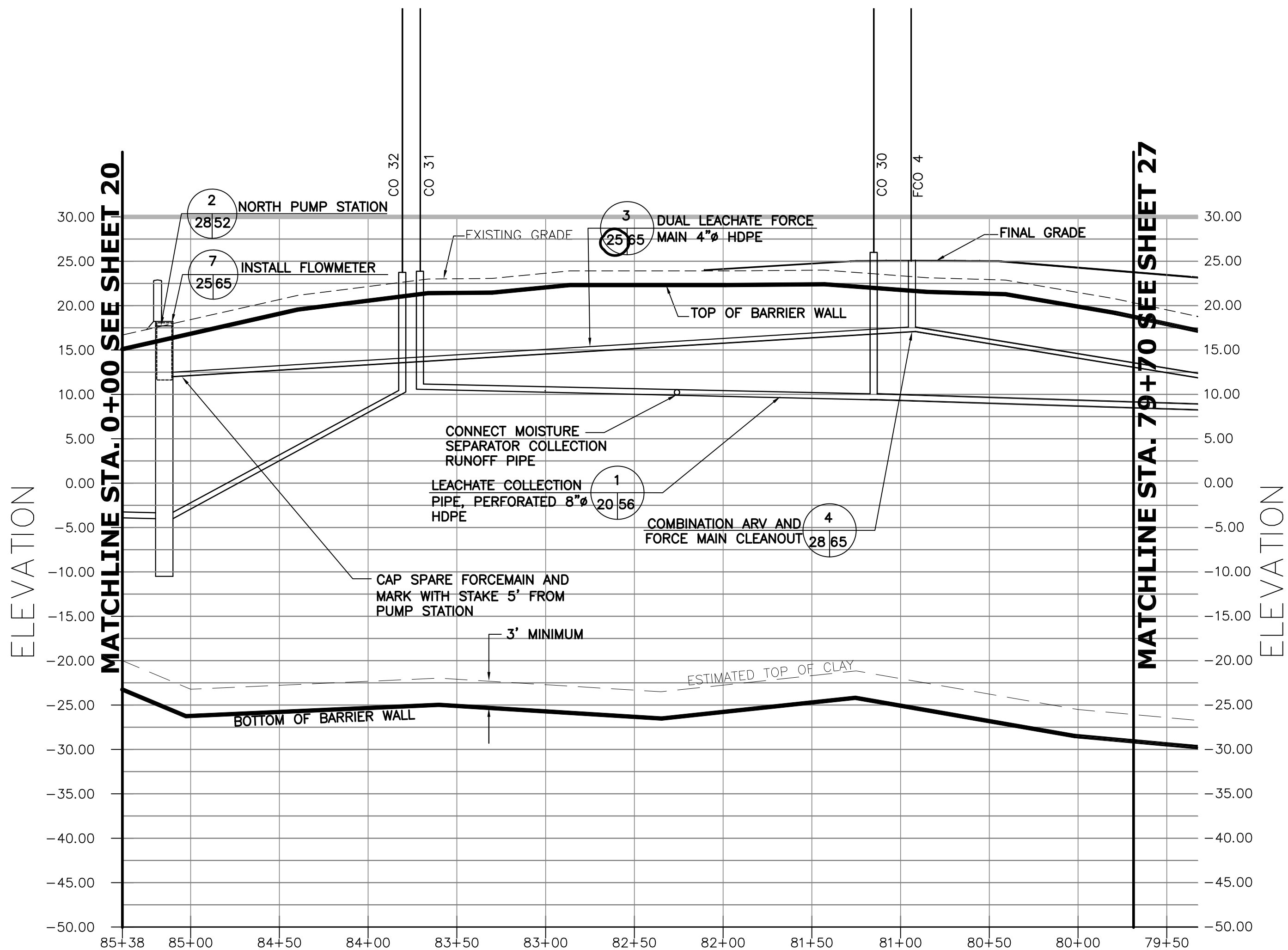
BARRIER WALL & LEACHATE SYSTEM

PROFILE - STA. 67+70 - 79+70

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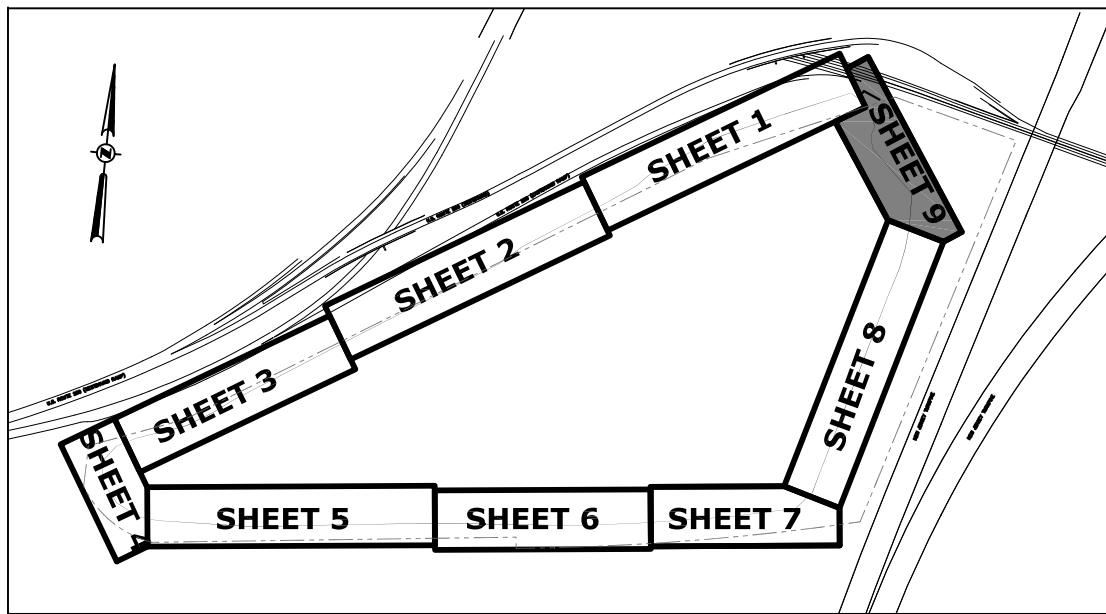


PLAN



PROFILE

NOTES:
1. CONTRACTOR SHALL SEGREGATE AND STOCKPILE THE RECYCLED AGGREGATE EXCAVATED FOR THE SLURRY WALL AND LEACHATE COLLECTION SYSTEM FOR REUSE.



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

**BARRIER WALL & LEACHATE SYSTEM
PROFILE - STA. 79+70 - 0+00**



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APPROVED BY: CC

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