

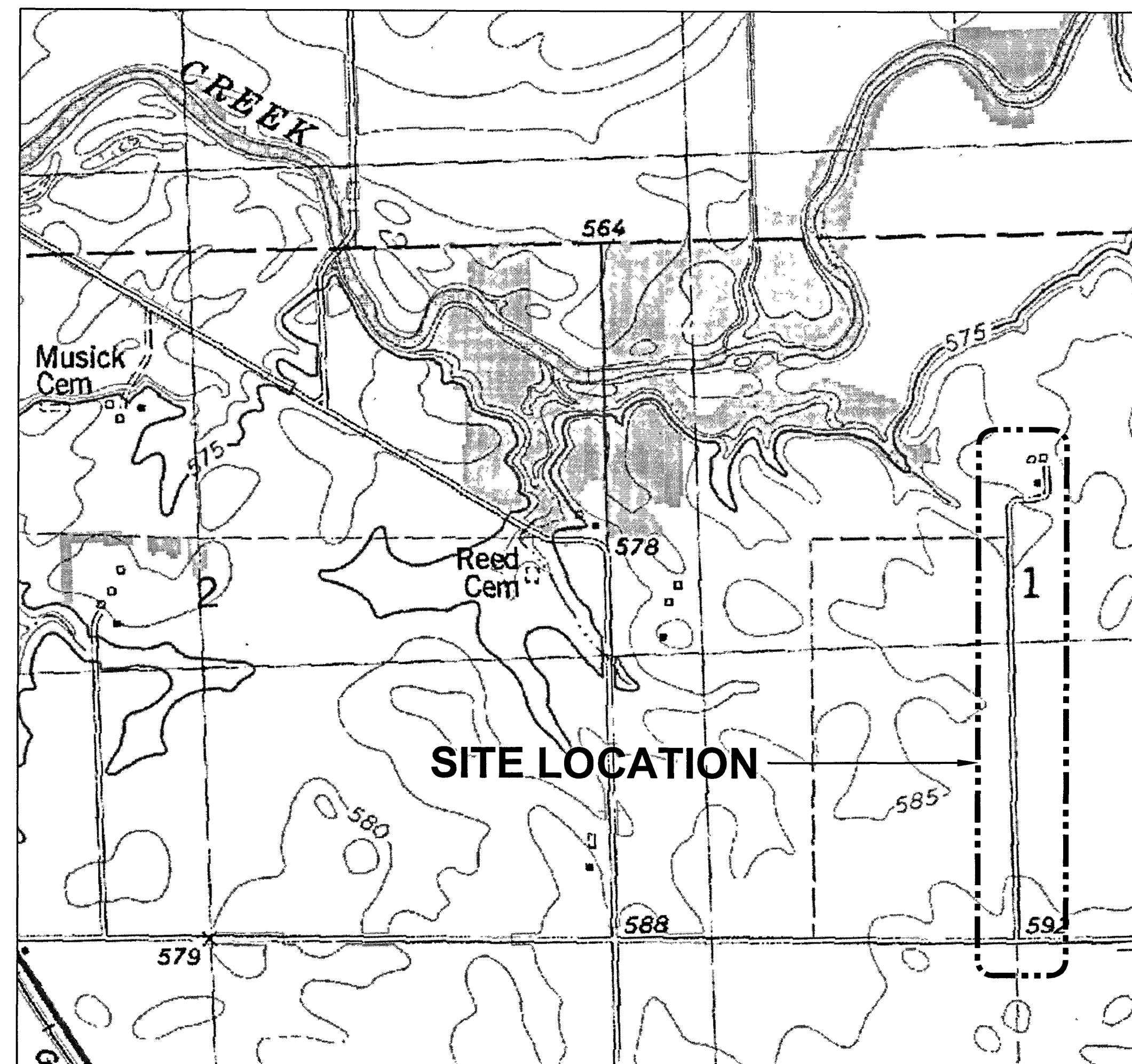
LINCOLN COLLEGE

LINCOLN COLLEGE OUTDOOR CENTER FOR ENVIRONMENTAL EDUCATION

ENTRANCE ROAD IMPROVEMENTS AND NEW PARKING LOT CONSTRUCTION

Section 1, T 20 N, R 3 W, 3rd PM

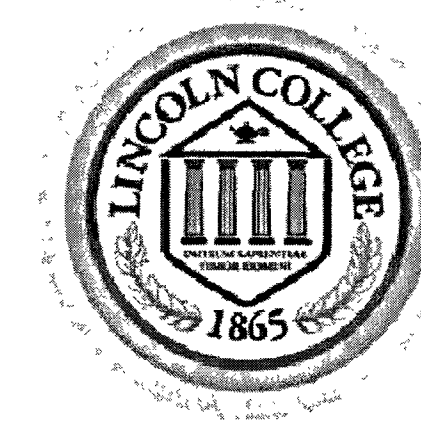
Location Map



Index of Drawings

- | | |
|-----|-----------------------------------|
| | COVER |
| 1 | LEGEND & NOTES |
| 2 | ENTRANCE ROAD PLAN & PROFILE |
| 3 | PARKING LOT AREA SITE PLAN |
| 4-5 | CROSS SECTIONS |
| 6 | EARTHWORK VOLUME TABLES & DETAILS |

Owner



LINCOLN COLLEGE
300 KEOKUK STREET
LINCOLN, ILLINOIS 62656
(217) 732-3155

Project No: 0110186.00

Design Firm Registration #184001856

Date: 22-February-2012

2709 McGraw Dr. - Bloomington, Illinois 61704 - Phone: (309) 663-8435 / Fax: (309) 663-1571

File No: 24-8701

\\paul-files [P:\pauler\cust\1\2009\0094920 01--fisher high school ph 1.mxd reesj.dwg\sheet\0096020 01--CO LEGEND & NOTES.DWG] DATE: 07/11/2011 | Time: 15:06 |

General Notes:

1. THIS CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS ACCOMPANYING THESE PLANS AND THE FOLLOWING SPECIFICATIONS:

1.1. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY, 1, 2007, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION".

1.2. "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2007, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION".

1.3. "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", LATEST EDITION.

1.4. "ILLINOIS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", LATEST EDITION.

1.5. "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", 5TH EDITION, DATED MAY, 1996.

1.6. "REQUIREMENTS OF THE COUNTY OF LOGAN".

2. CONTACT J.U.L.I.E. 1-800-892-0123 FOR UTILITY LOCATE IN ADVANCE OF ANY CONSTRUCTION WORK.

3. THE CONTRACTOR SHALL COORDINATE WITH THE PROPER UTILITY THE RELOCATION OF ANY FACILITY DESIGNATED ON THE PLANS OR DEEMED NECESSARY TO BE RELOCATED BY THE UTILITY IN ORDER TO COMPLETE CONSTRUCTION OF THE PROJECT.

Demolition Notes:

1. THE EXISTING TOPOGRAPHIC INFORMATION INDICATED FOR THIS PROJECT IS BASED ON A TOPOGRAPHIC SURVEY PREPARED BY FARNSWORTH GROUP, INC. ON 10/5/2010 WITH A SUPPLEMENTAL TOPO SURVEY CONDUCTED ON 10/22/2010. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE TOPOGRAPHIC INFORMATION INDICATED ON THE DRAWINGS AND SHALL DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING DATA, ABOVE OR BELOW GROUND, SHOWN OR NOT SHOWN, PRIOR TO CONSTRUCTION. DISCREPANCIES IN EXISTING TOPOGRAPHIC DATA SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY FOR REVIEW. COSTS TO VERIFY EXISTING TOPOGRAPHIC INFORMATION SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
2. ALL DEMOLITION AND CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE OWNER AND LOGAN COUNTY TO MINIMIZE DISRUPTION OF THE NORMAL DAILY FUNCTIONING OF THE INDIVIDUAL BUSINESSES OR FARMING OPERATIONS ADJACENT TO THE PROJECT AREA.
3. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO OTHER AREAS ADJACENT TO NEW CONSTRUCTION OR AREAS WHERE VARIOUS SYSTEM CONNECTIONS OR EXTENSIONS ARE REQUIRED. DAMAGE TO EXISTING FEATURES ADJACENT TO THE PROJECT LIMITS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
4. DISPOSAL OF REMOVED MATERIAL...

Storm Sewer Notes:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE FOLLOWING:

1.1. IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION

1.2. LOGAN COUNTY REQUIREMENTS
2. STORM SEWER MATERIALS INSTALLED SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

PIPE CULVERT
 - PRECOATED GALVANIZED COURRUGATED STEEL PIPE IN ACCORDANCE WITH ARTICLE 1006.01 OF THE STANDARD SPECIFICATIONS
 - PIPE CULVERTS INSTALLED IN ACCORDANCE WITH SECTION 542 OF THE STANDARD SPECIFICATIONS.POLYNYL CHLORIDE (PVC) PIPE: ASTM D3034 (SDR-PR)
 - MINIMUM SDR RATING 26 (SDR-26) BELL & SPIGOT FOR ELASTOMERIC JOINTS, MIN. CELL CLASS 1254 B OR C
 - JOINTS: ASTM D3212
 - FITTINGS: SAME AS PIPE
 - GASKET: ASTM F477 ELASTOMERIC SEAL.
4. ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE MAINTAINED IN SERVICE AND BE REPLACED WITH RECYCLED HDPE PIPE STORM SEWER OF APPROPRIATE SIZE AND SLOPE.

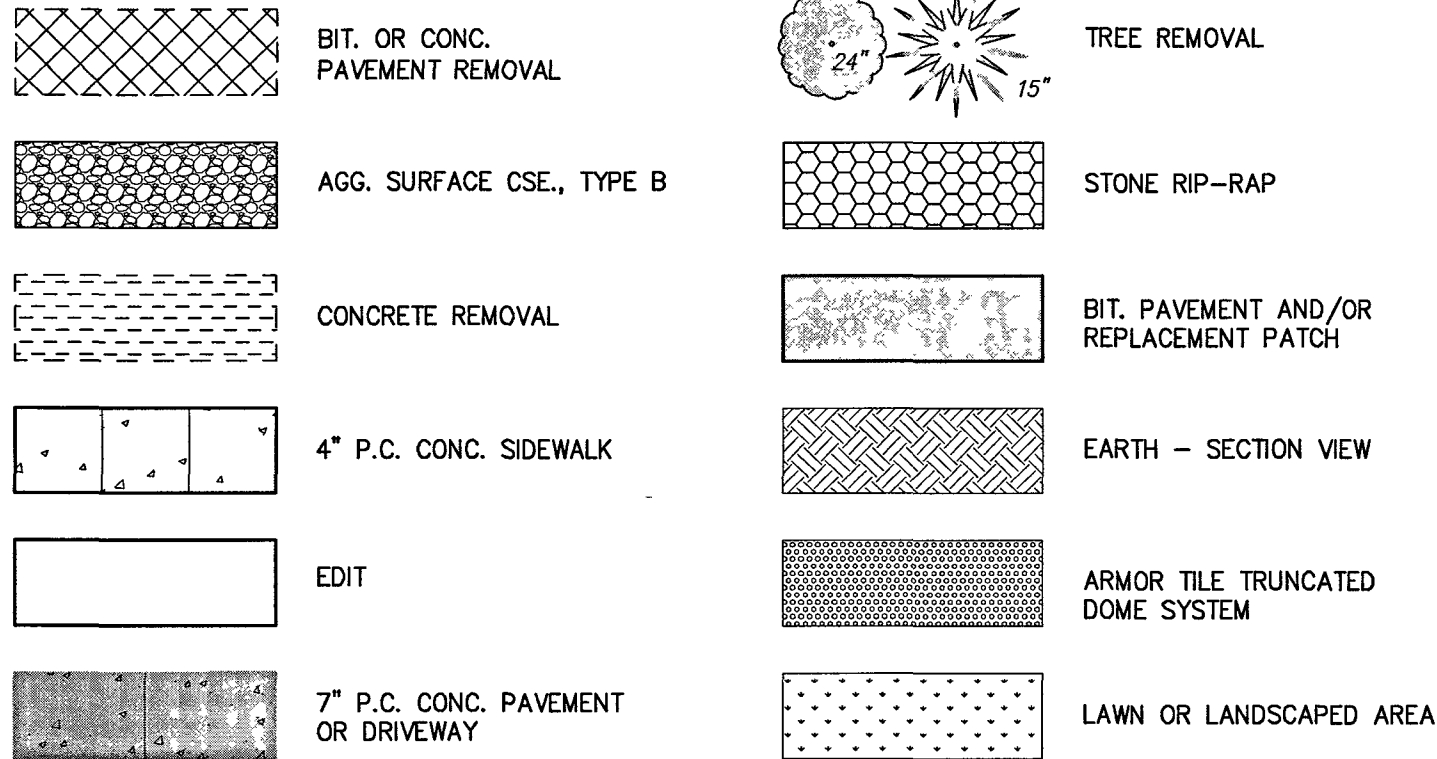
Erosion Control Notes:

1. ALL FILL AREAS SHALL BE STRIPPED OF ALL TOPSOIL PRIOR TO PLACING EMBANKMENT MATERIAL. LAWN AREAS THAT HAVE RECEIVED EMBANKMENT MATERIAL SHALL RECEIVE AT LEAST 6" OF TOPSOIL AS THE FINAL COURSE OF FILL IN PREPARATION FOR SEEDING OPERATIONS. ALL LAWN AREAS DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED AND RESTORED TO THE SATISFACTION OF THE OWNER.
2. EMBANKMENT MATERIAL SHALL BE PLACED IN ACCORDANCE WITH THE SOILS REPORT.
3. TEMPORARY SILTATION PROTECTION SHALL BE CONSTRUCTED AS STRAW BALE CHECK DAMS AROUND ALL EXISTING AND PROPOSED INLETS AND MANHOLES AND SILT FILTER FENCE WHERE INDICATED ON THE PLANS TO PROTECT FROM SILTATION ONTO ADJACENT PROPERTY AND ROADWAYS.
4. PERMANENT STABILIZATION SHALL INCLUDE THE SEEDING OF LAWN AREAS DISTURBED AND PAVED SURFACE COURSE FOR ROADWAYS AND PARKING. ALL PERMANENT SEEDING SHALL TAKE PLACE IMMEDIATELY FOLLOWING FINAL GRADING OPERATIONS IN ANY COMPLETED AREA WITHIN THE CONSTRUCTION LIMITS.
5. NO CONSTRUCTION WASTE MATERIALS WILL BE BURIED ON SITE. ALL TRASH AND CONSTRUCTION DEBRIS WILL BE HAULED TO THE LOCAL MUNICIPAL DUMP AND DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL SOLID WASTE MANAGEMENT REGULATIONS.
6. THE CONTRACTOR SHALL PROVIDE SOLID WASTE COLLECTION DURING CONSTRUCTION TO MINIMIZE POLLUTION.
7. ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. THE OWNER WILL BE RESPONSIBLE FOR MAINTAINING THESE PROCEDURES DURING CONSTRUCTION.
8. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE IEPA "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST EDITION, THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2007, AND THE ILLINOIS URBAN MANUAL.
9. A MINIMUM OF 6 INCHES OF TOPSOIL SHALL BE INSTALLED OR RESTORED TO ALL DISTURBED AREAS THAT WILL BE SEEDDED.
10. PERMANENT GROUND COVER SHALL BE IN ACCORDANCE WITH THE LANDSCAPING PLAN.
11. FERTILIZER SHALL BE APPLIED AT THE FOLLOWING RATES:

11.1. STARTER FERTILIZER 18-11-18, 5 LBS PER 1000 SQ.FT.
12. THE CONTRACTOR SHALL INSPECT THE EROSION CONTROL SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF THE NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES AND THE STORM WATER POLLUTION PREVENTION PLAN PREPARED FOR THIS PROJECT.
13. ADDITIONAL EROSION CONTROL REQUIREMENTS ARE INDICATED IN THE STORM WATER POLLUTION PREVENTION PLAN PREPARED FOR THIS PROJECT.
14. TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED ON THE FIRST DAY OF CONSTRUCTION ACTIVITIES. ALL BARE SOIL SURFACES NOT IN MAJOR CONSTRUCTION AREAS SHALL BE TEMPORARILY SEEDDED WITHIN 7 DAYS, WEATHER AND SOIL CONDITIONS PERMITTING, IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL OF PRACTICE STANDARD 865.
15. AREAS HAVING SLOPES GREATER THAN 25% SHALL BE STABILIZED IN ACCORDANCE WITH ONE OF THE FOLLOWING TWO METHODS:

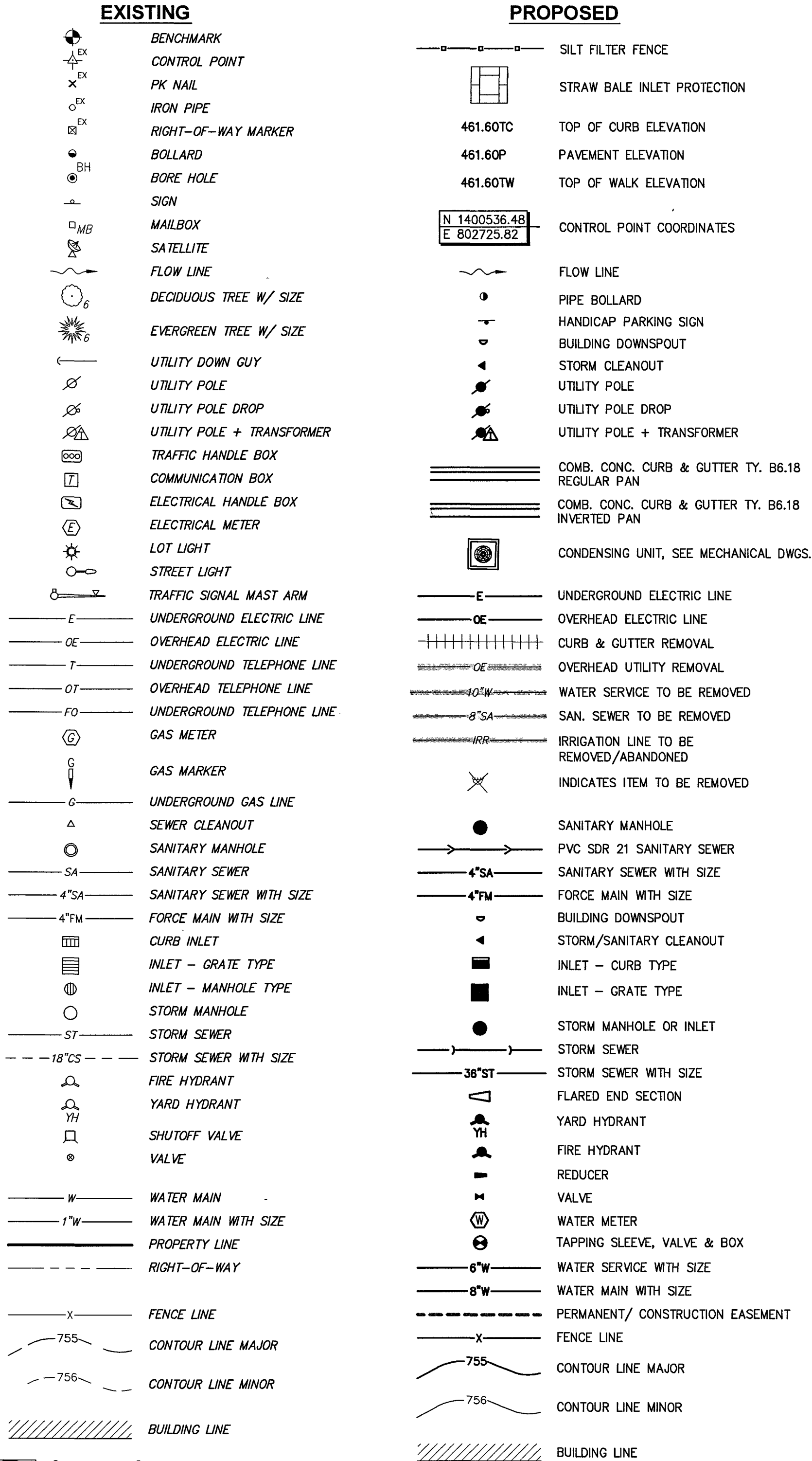
15.1. SODDING

15.2. EROSION CONTROL BLANKET SHALL BE 100% STRAW WITH LIGHTWEIGHT PHOTODEGRADABLE POLYPROPYLENE THREAD WITH STITCHING 1.5 INCHES ON CENTER. MATERIAL SHALL MEET FHWA FP-03 CATEGORIES, TYPE 2.C SHORT-TERM (UP TO 12 MONTHS) EQUAL TO S75 AS MANUFACTURED BY NORTH AMERICAN GREEN, EVANSVILLE, INDIANA OR APPROVED EQUAL. EROSION CONTROL BLANKET SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.



Hatch Legend

Scale: Not To Scale



Legend

Scale: Not To Scale

ENGINEERS

ARCHITECTS

SURVEYORS

SCIENTISTS

Farnsworth
GROUP

2709 McGRAW DRIVE
BLOOMINGTON, ILLINOIS 61704
(309) 663-8435 / (309) 663-1571 Fax

www.f-w.com

ISSUE:

Date: Description



PROJECT:

Lincoln College

Lincoln College
Outdoor Center for
Environmental
Education

Lincoln, Illinois

Date:

9-22-12

Design/Drawn:

-

Approved:

JMG

Book No.:

-

SHEET TITLE:

LEGEND & NOTES

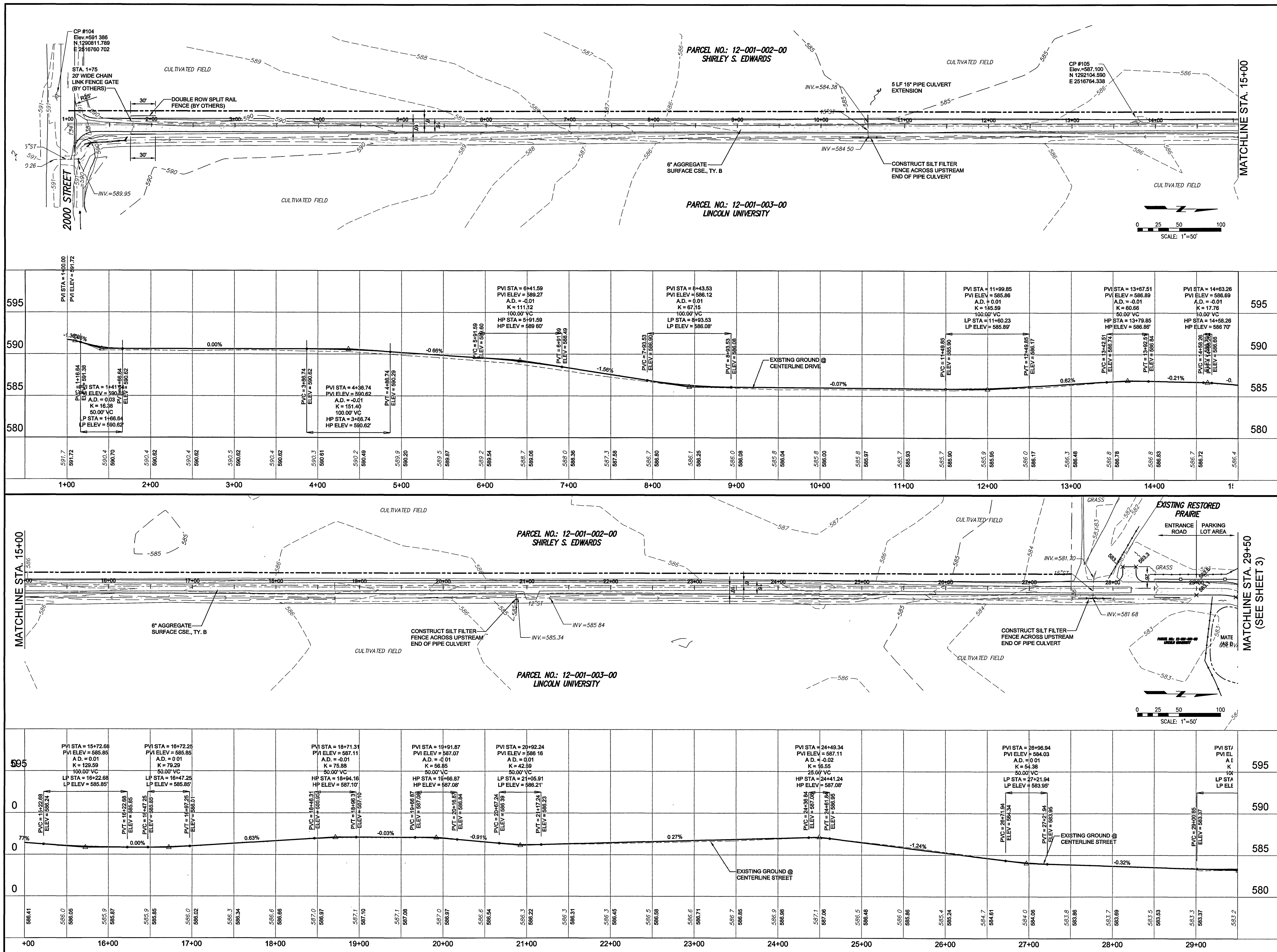
SHEET NUMBER:

1

OF

Project No.:

0110186.00



2709 MCGRAW DRIVE
BLOOMINGTON, ILLINOIS 61704
(309) 663-8435 / (309) 663-1571 Fax
www.f-w.com

#	Date.	Description
---	-------	-------------



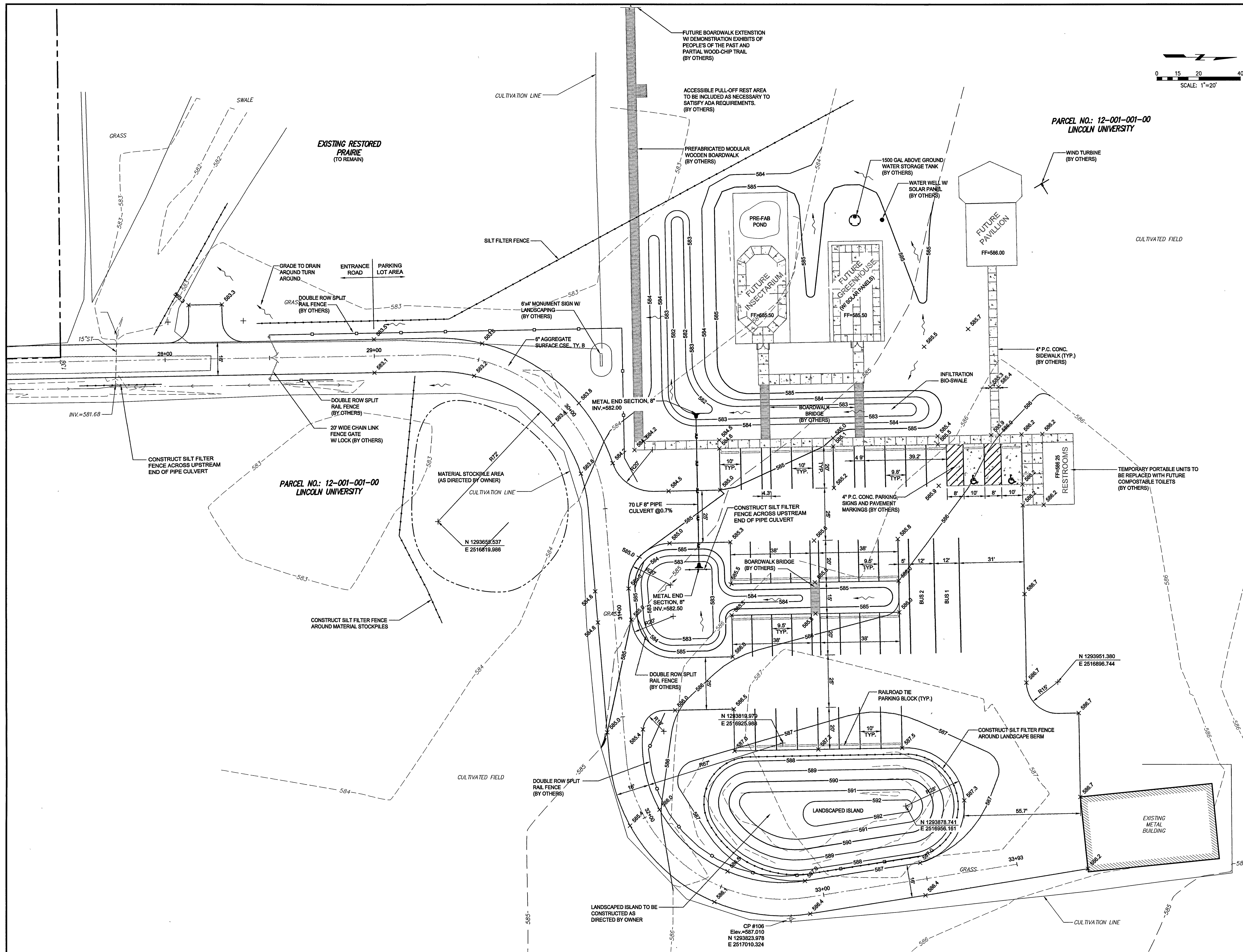
**Lincoln College
Outdoor Center for
Environmental
Education**

Date:	9-22-12
Design/Drawn:	jmg
Reviewed:	JMG
Book No.:	2074

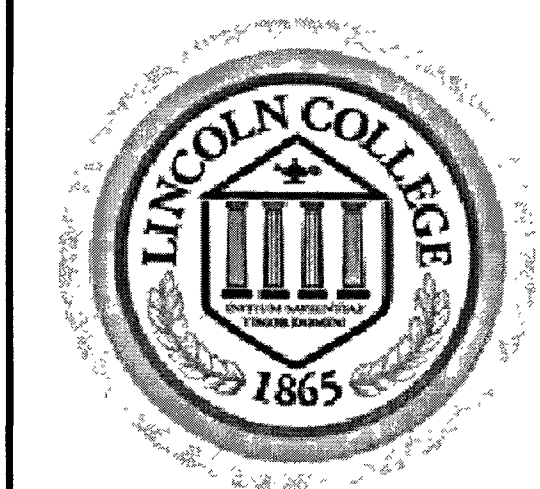
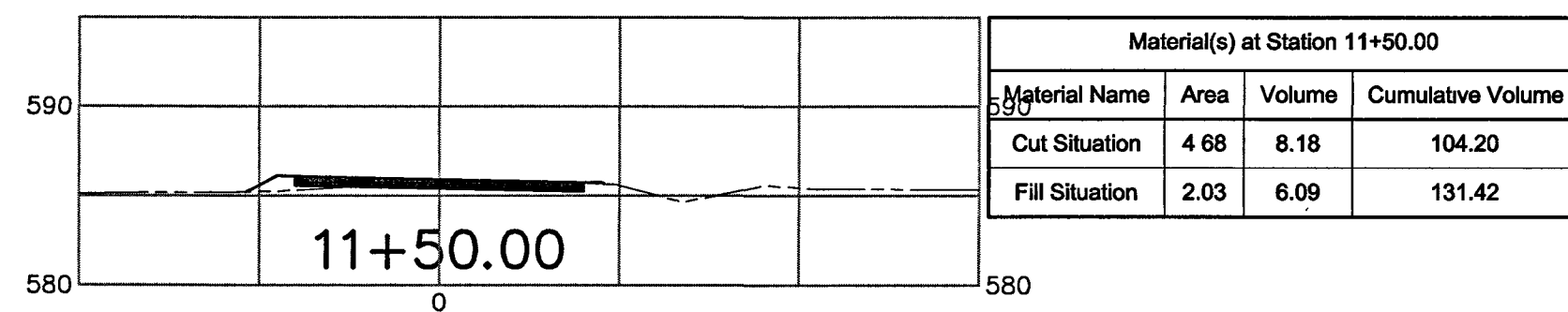
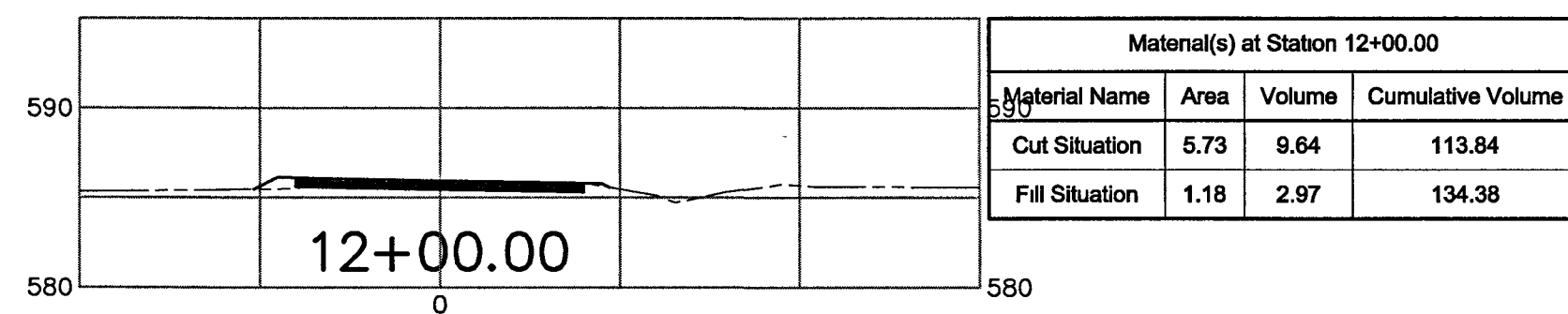
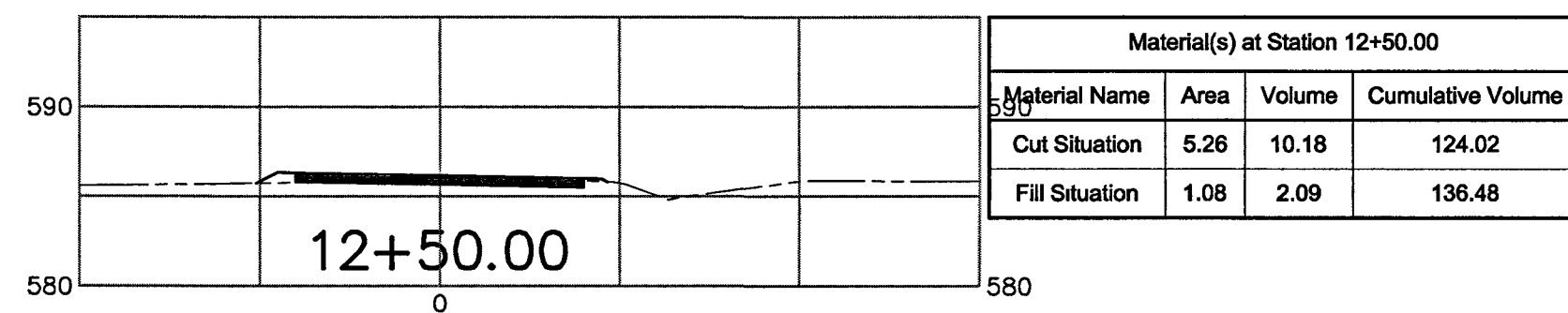
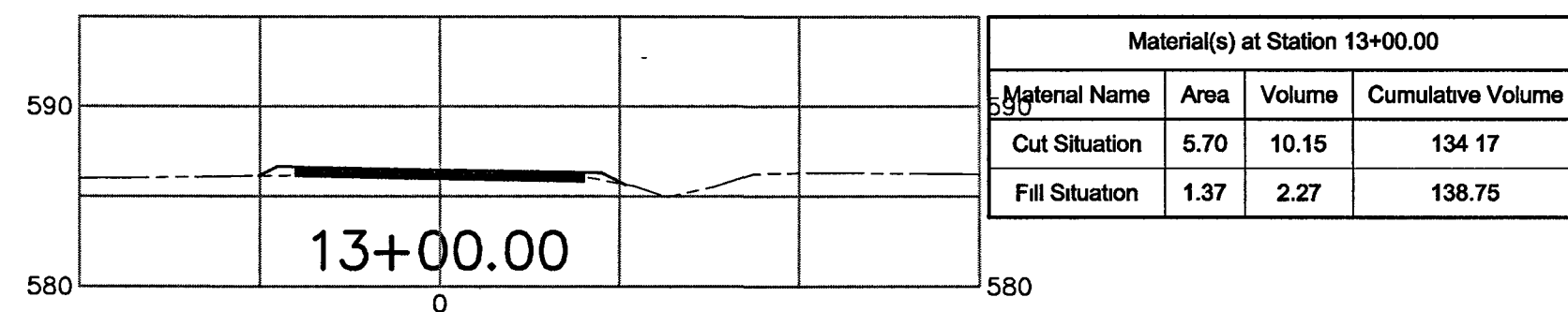
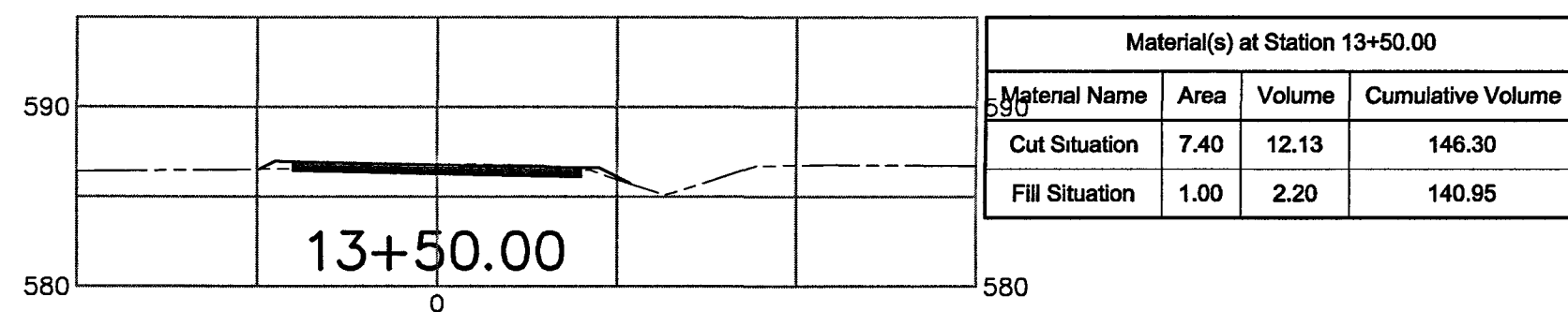
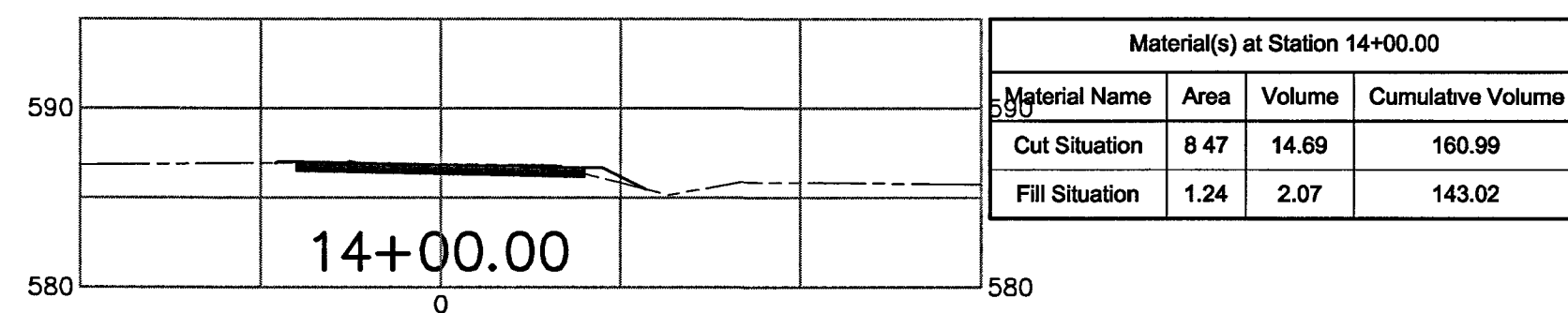
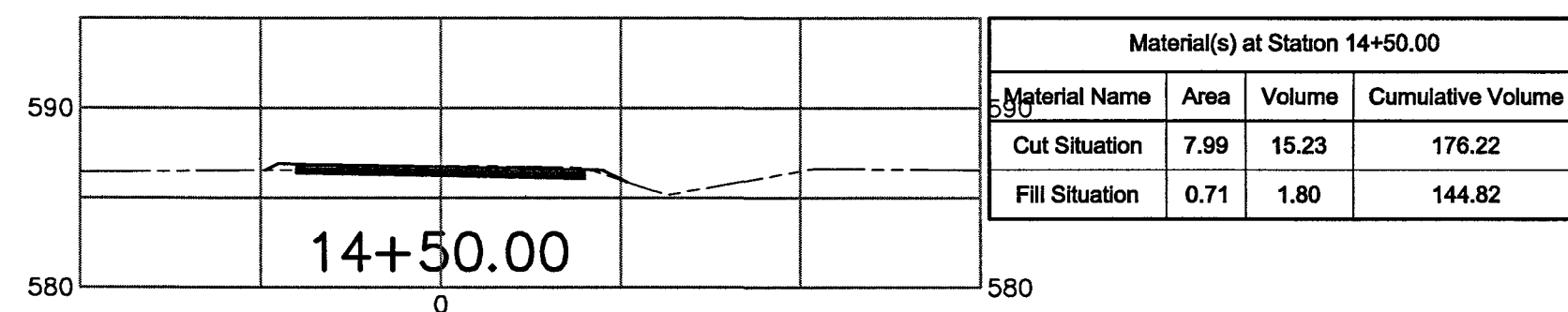
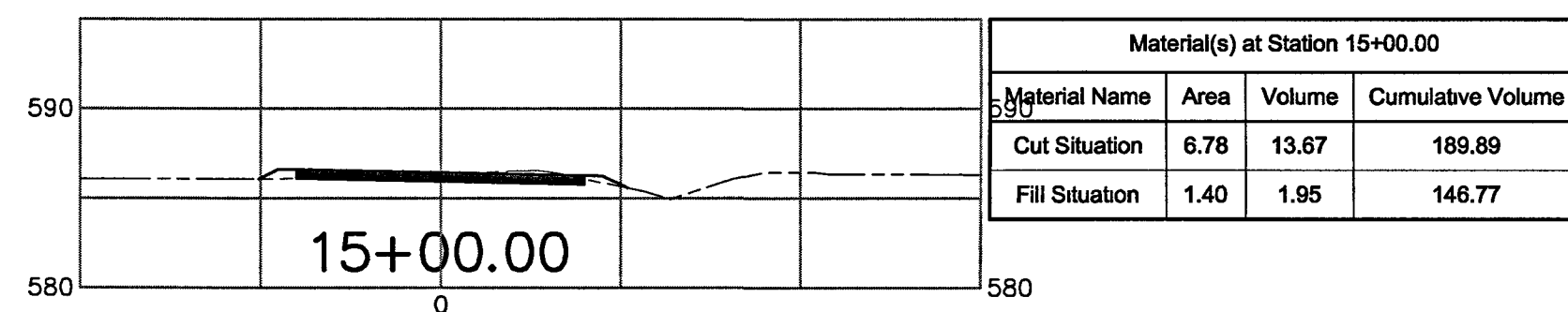
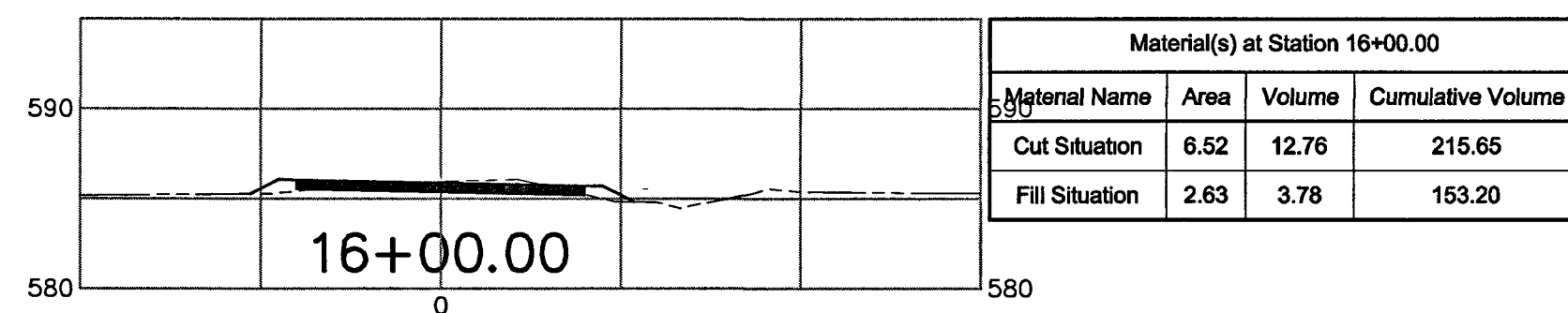
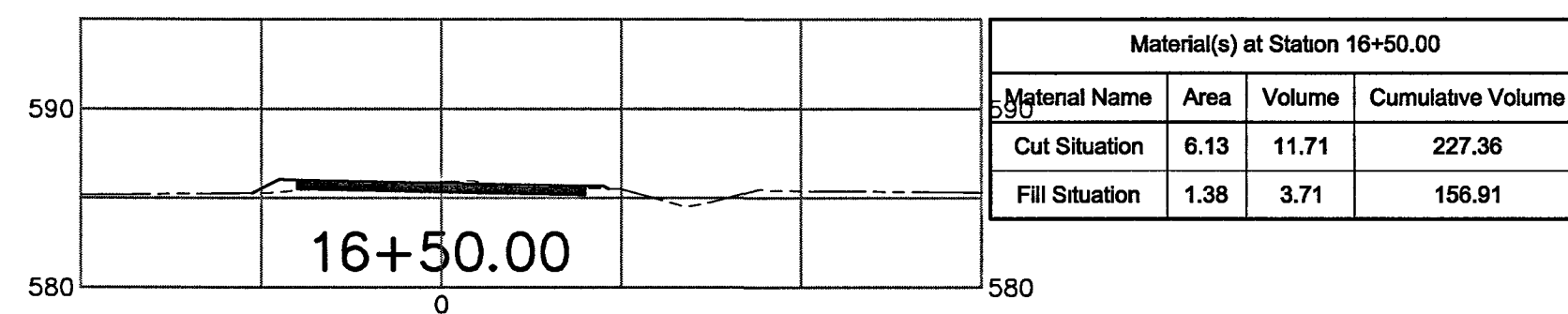
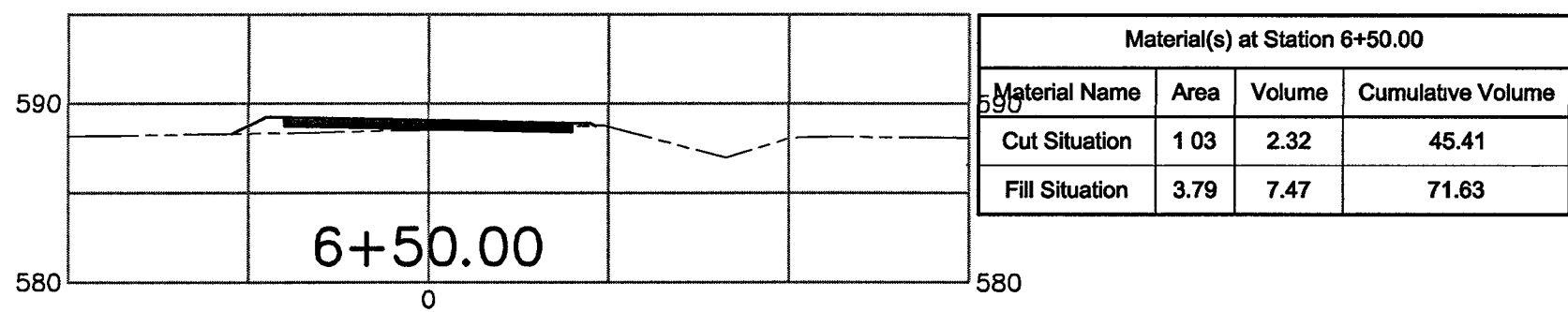
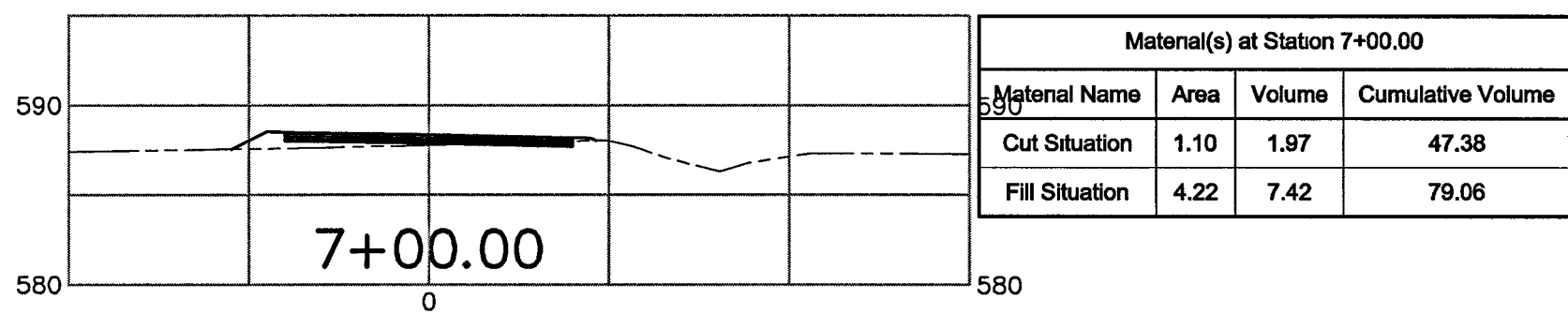
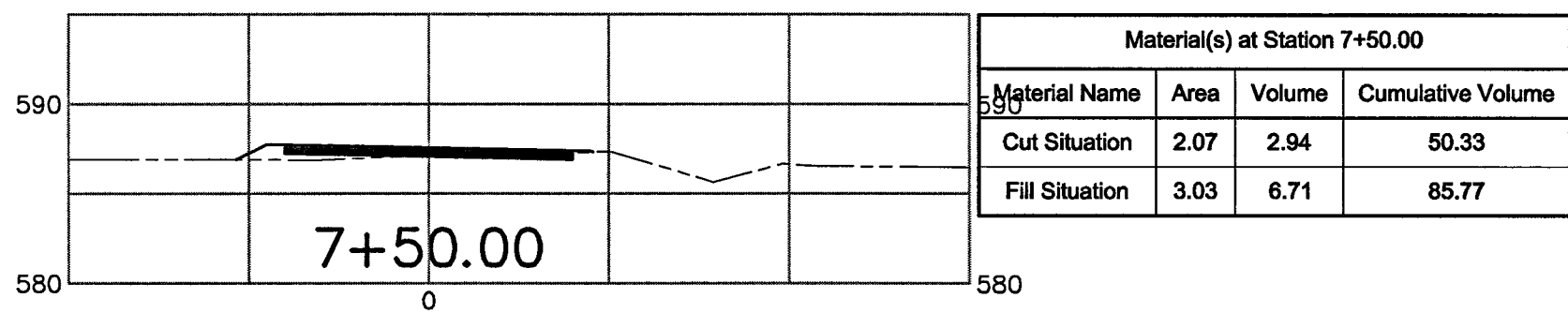
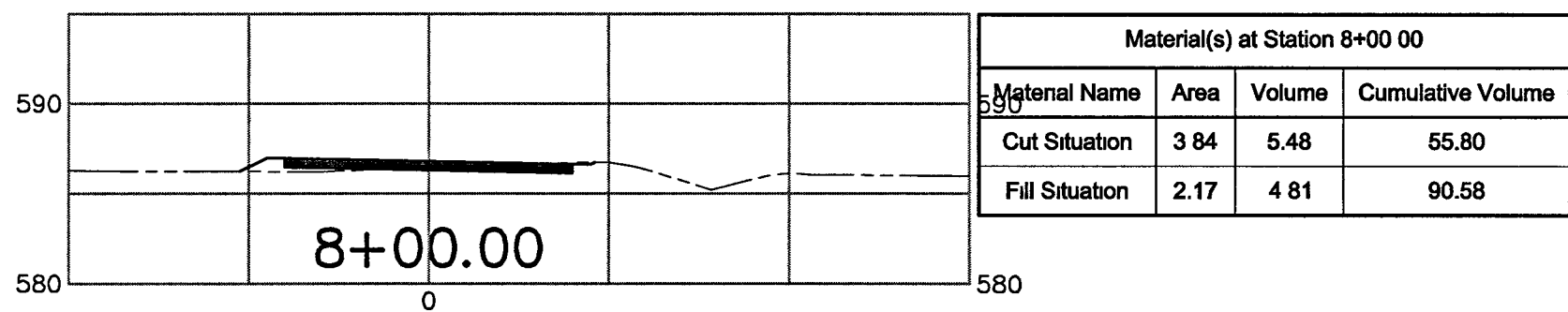
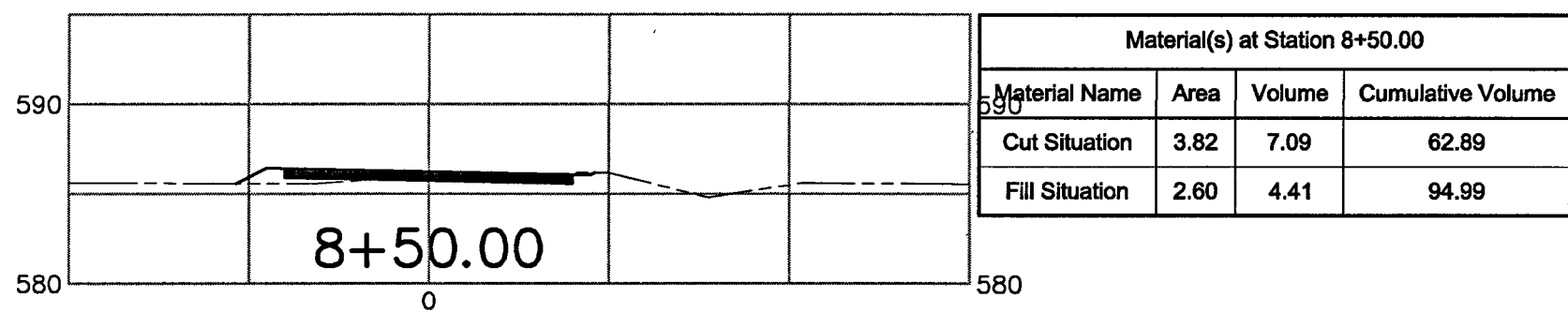
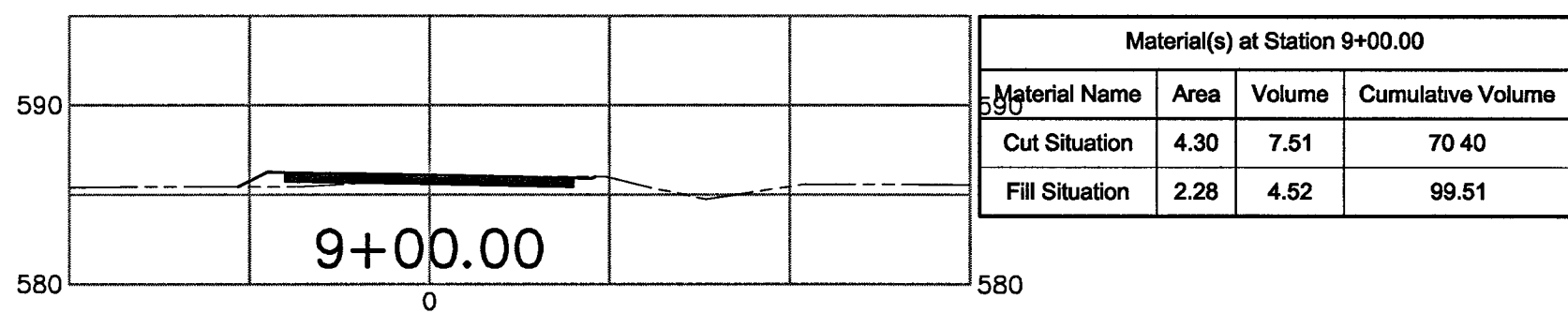
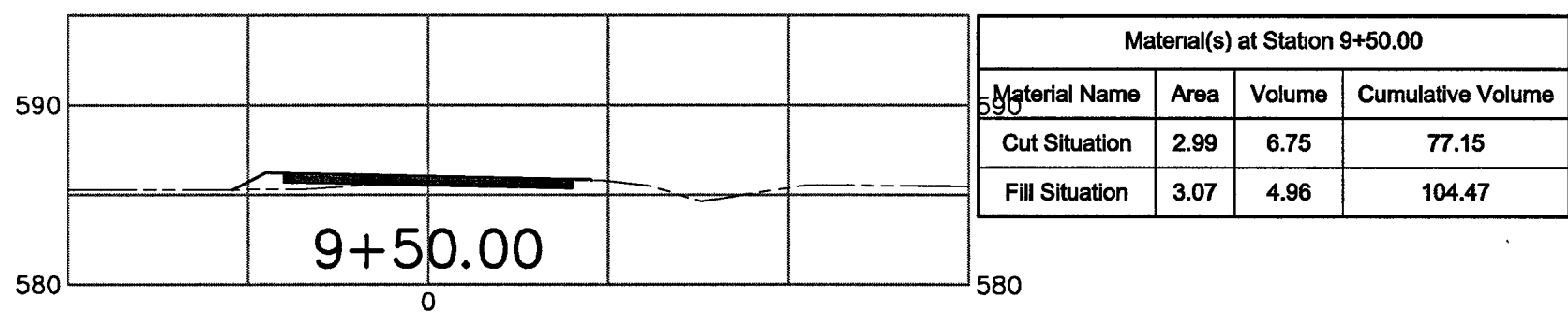
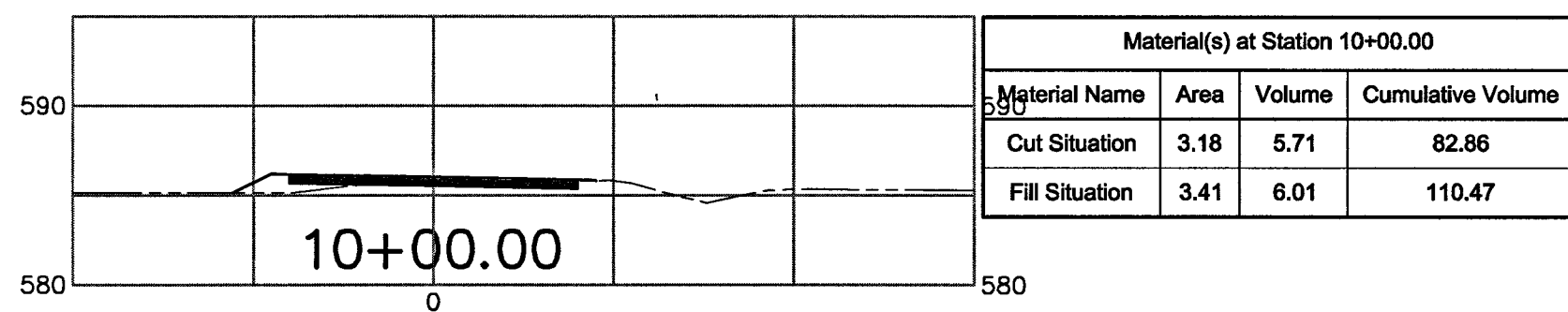
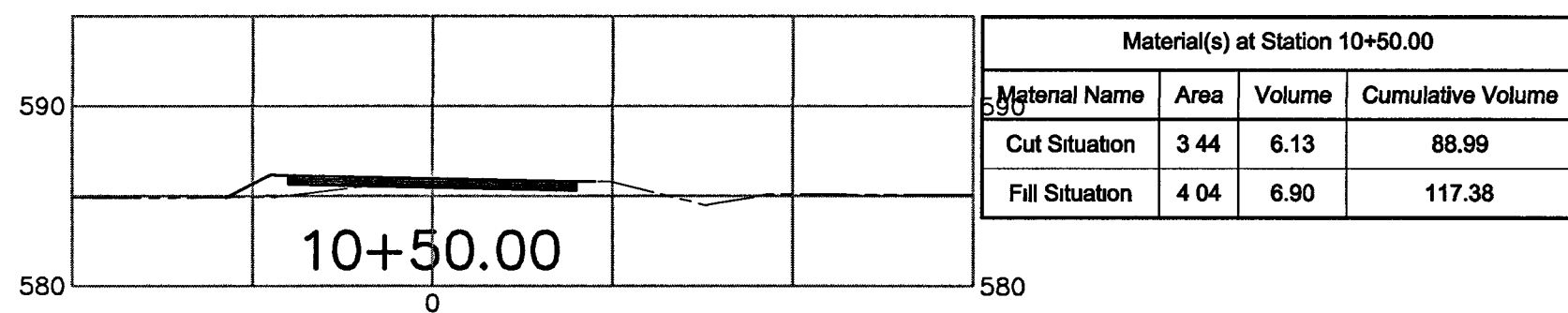
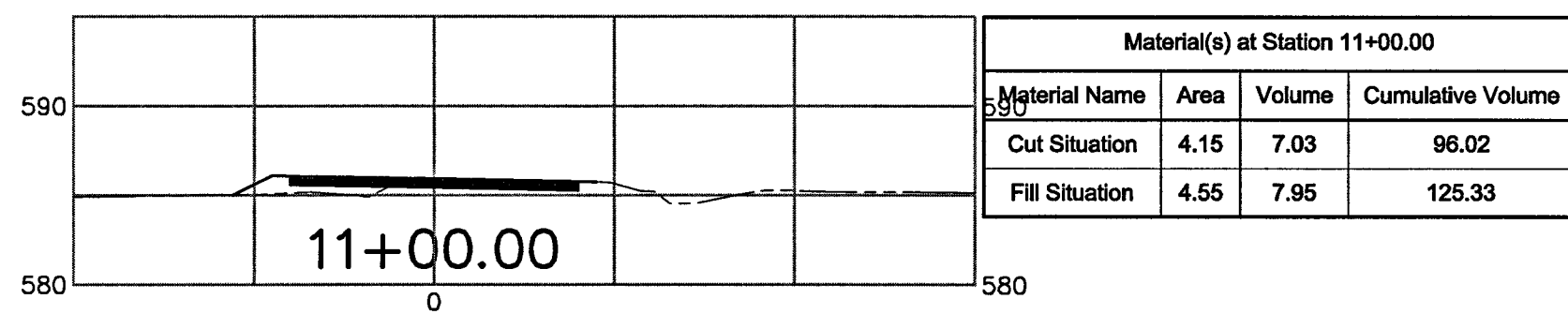
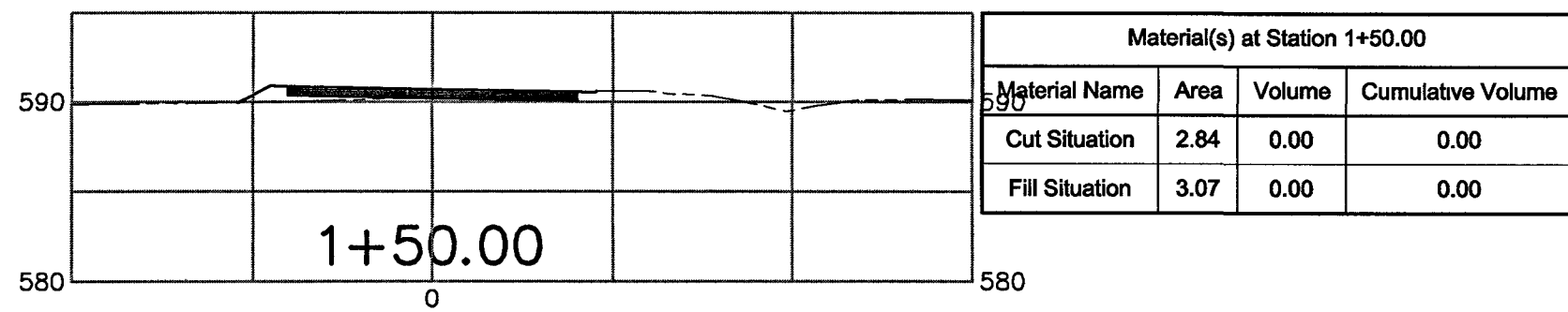
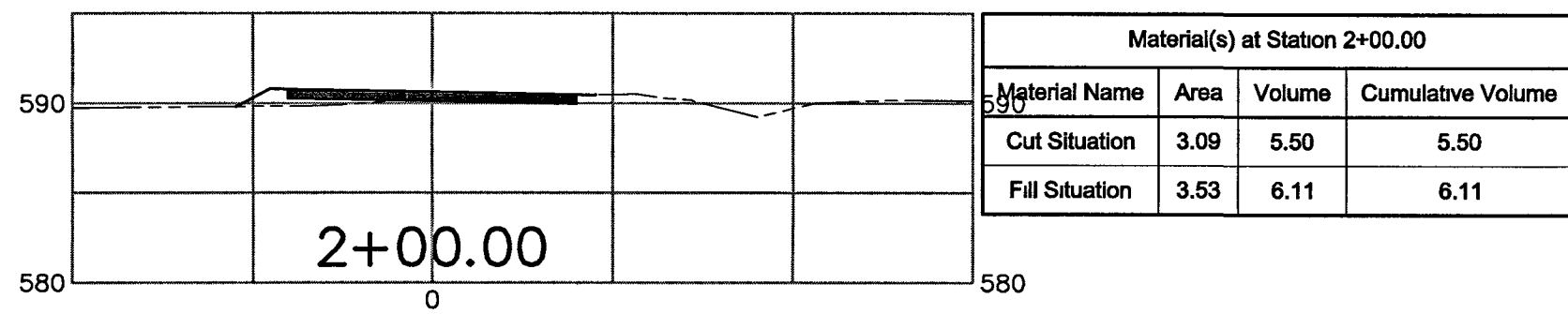
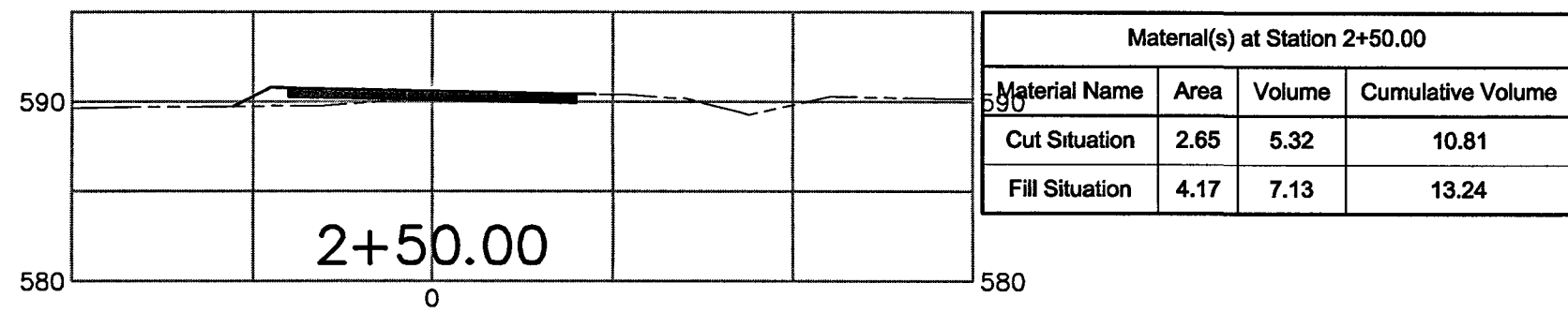
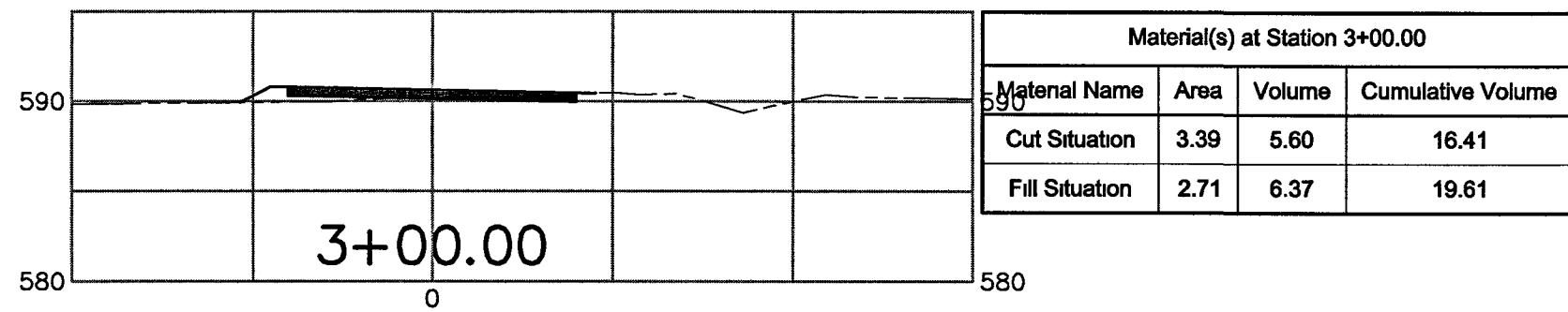
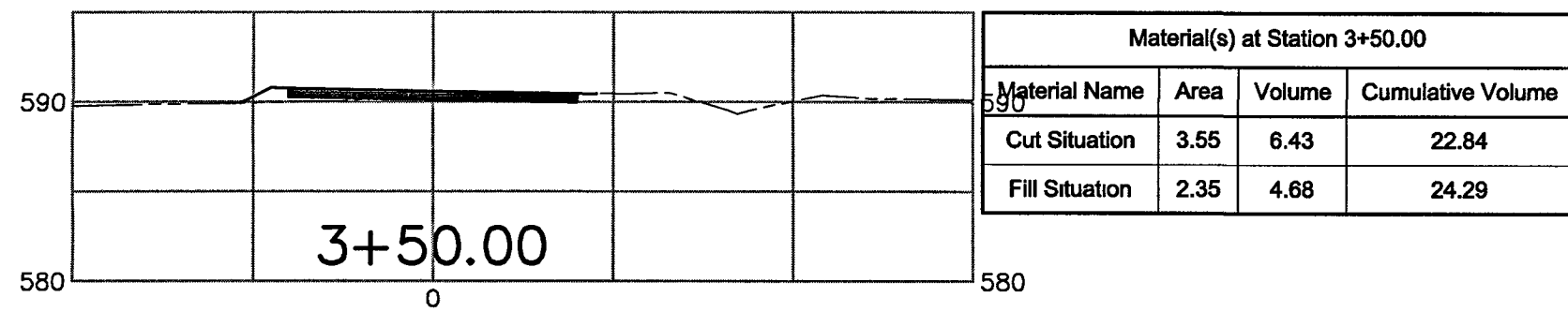
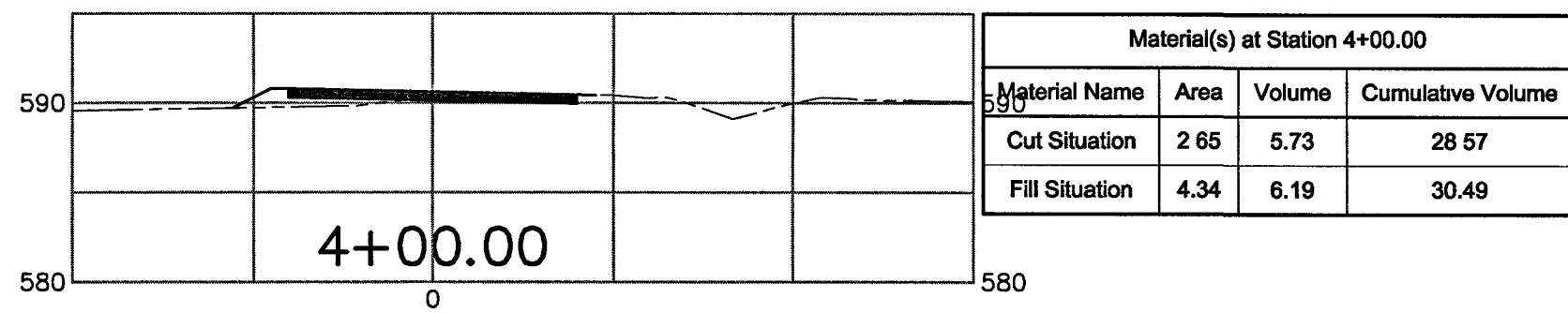
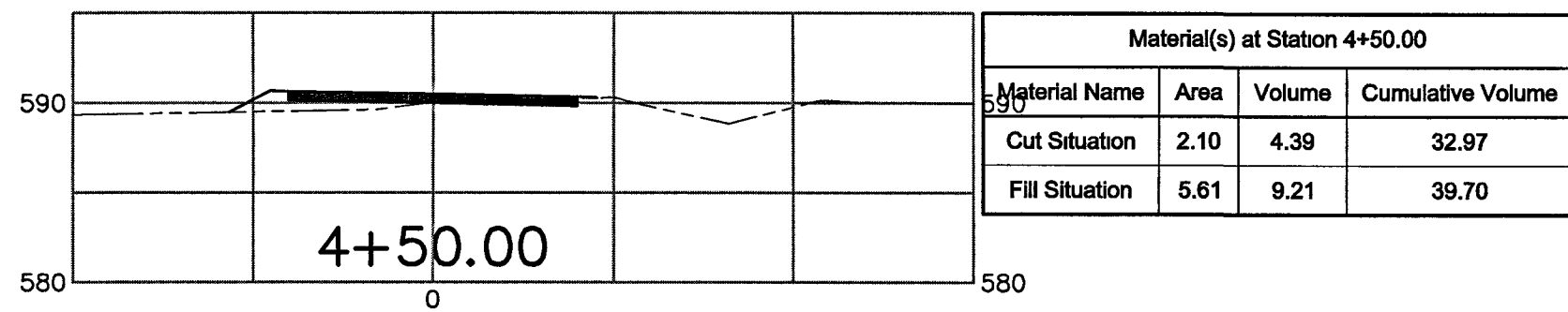
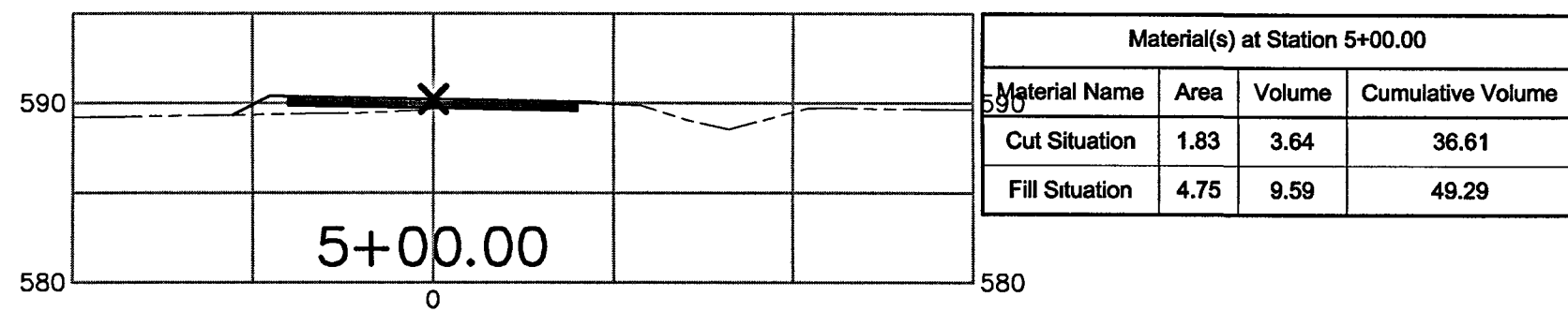
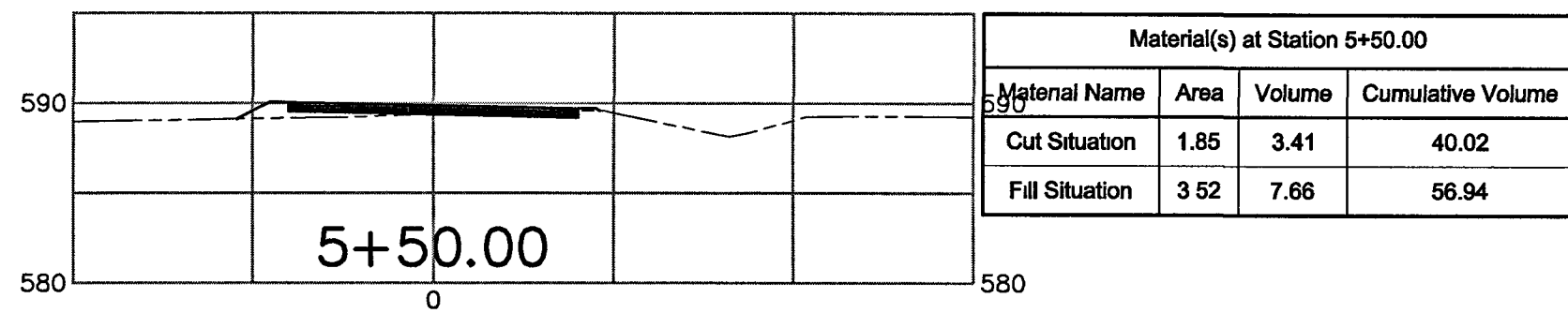
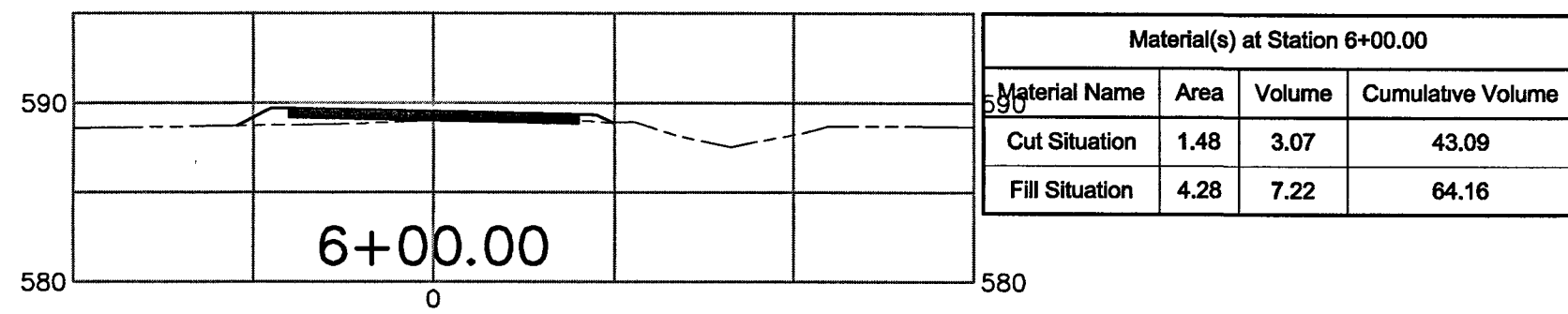
PARKING LOT AREA SITE PLAN

3

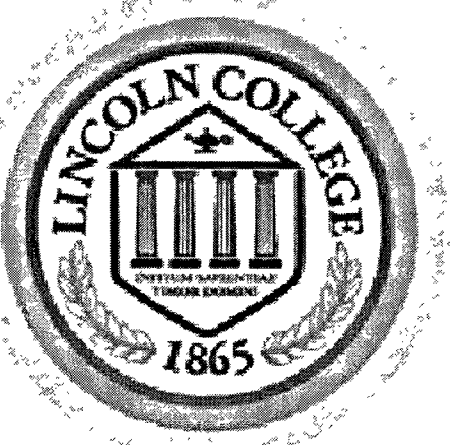
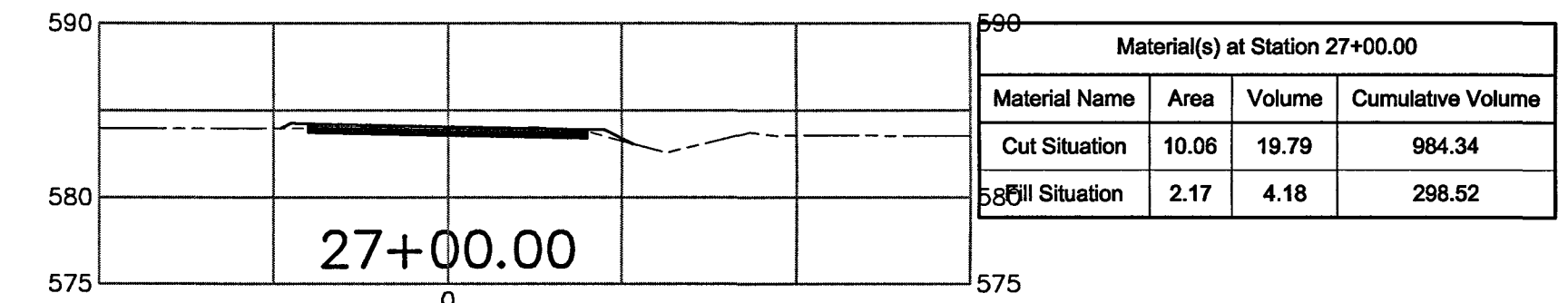
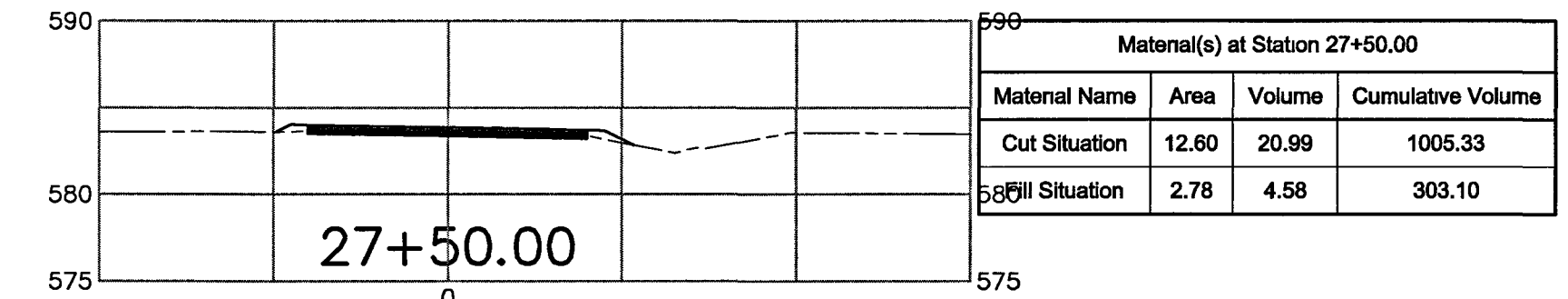
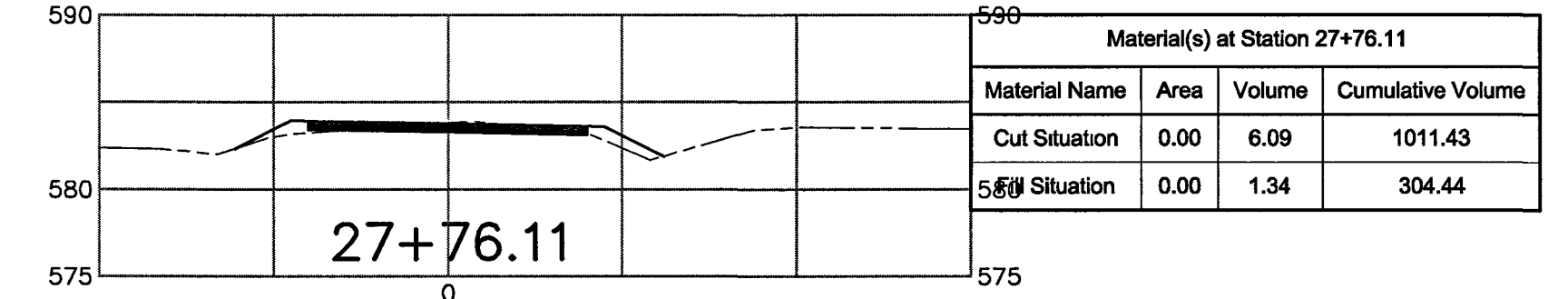
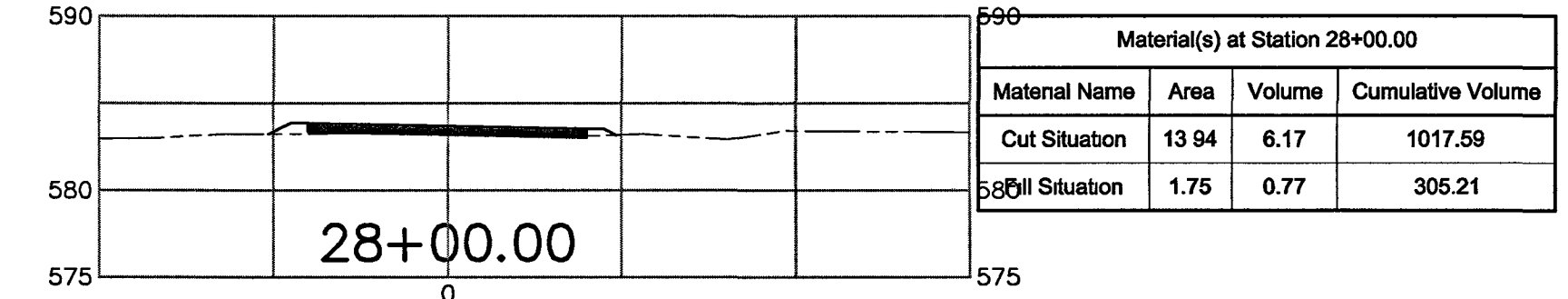
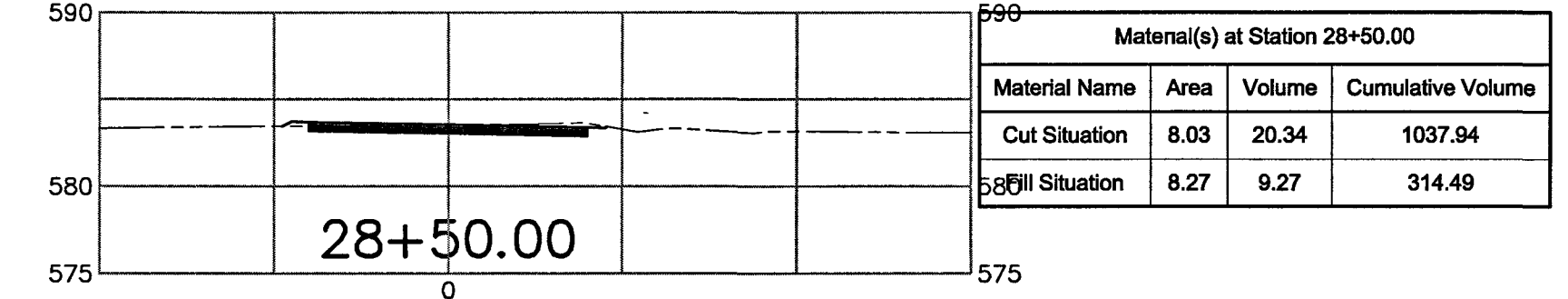
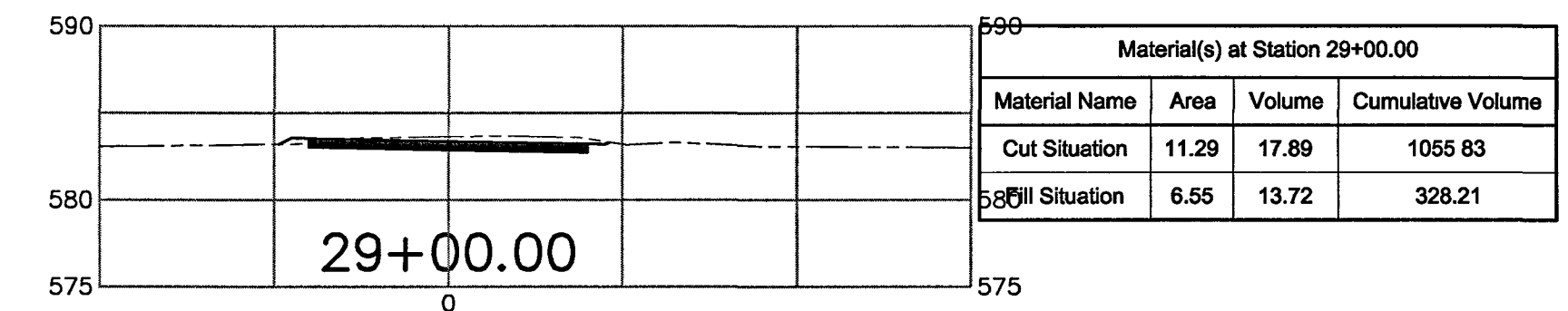
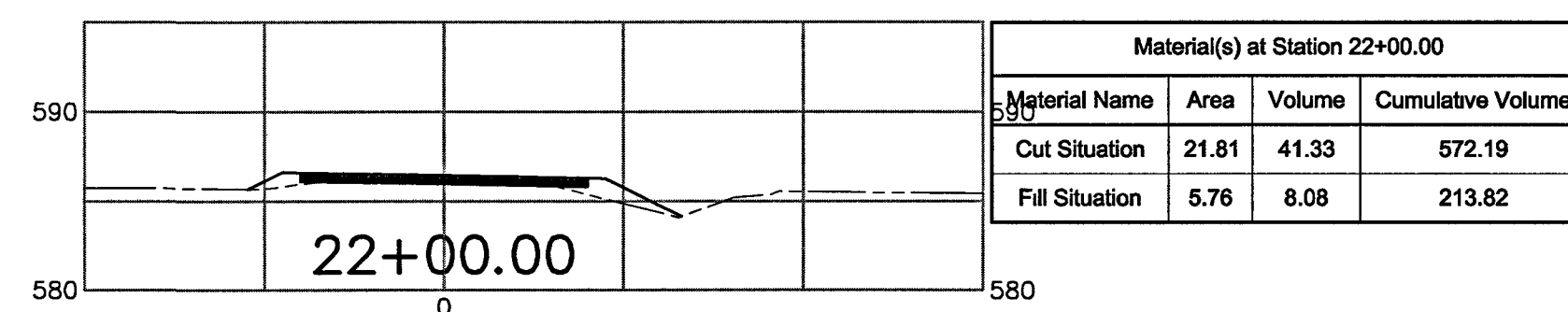
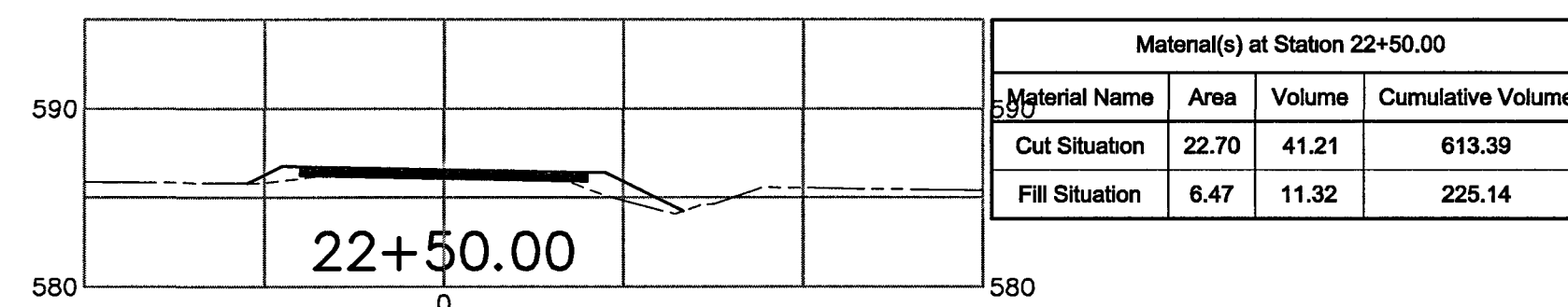
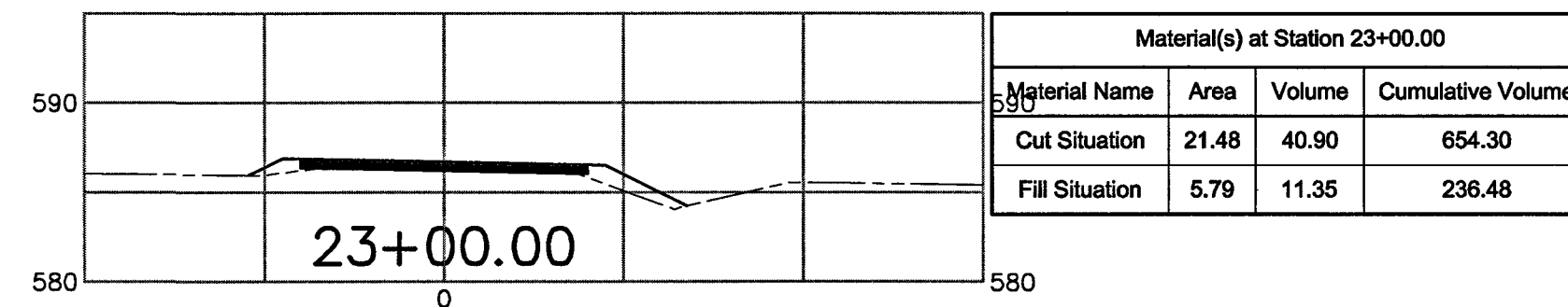
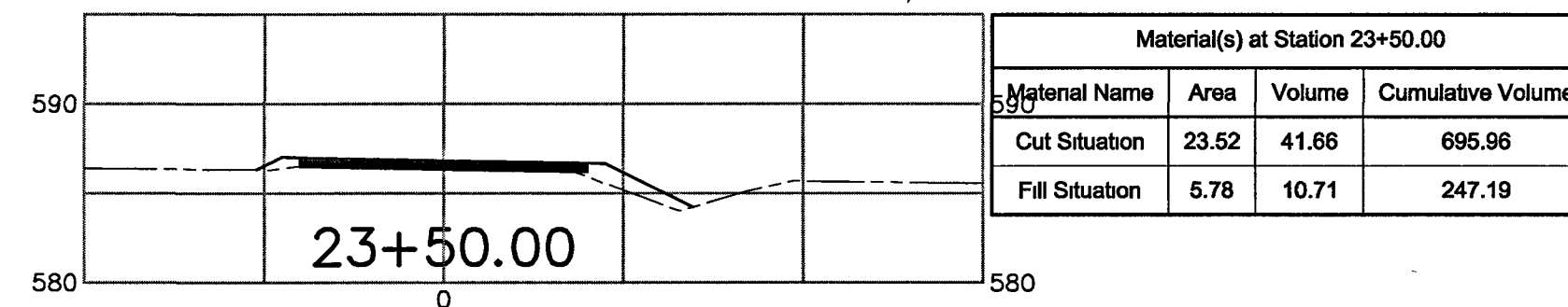
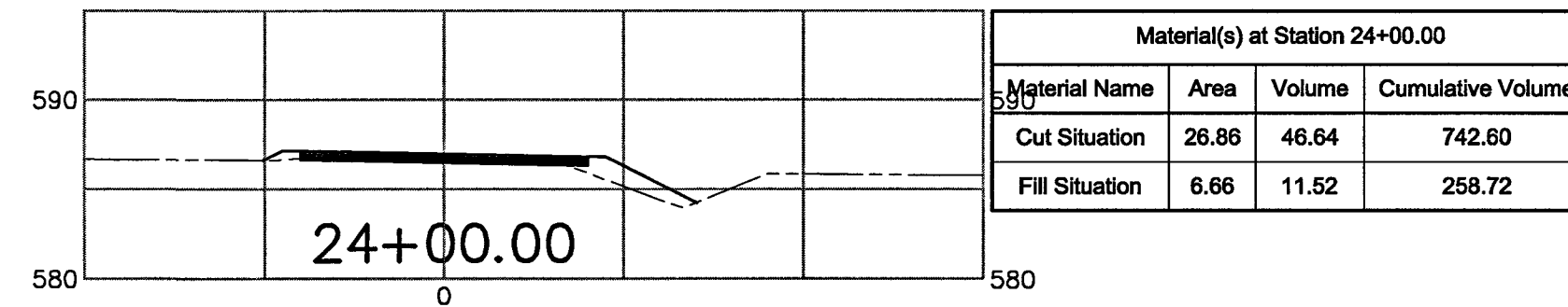
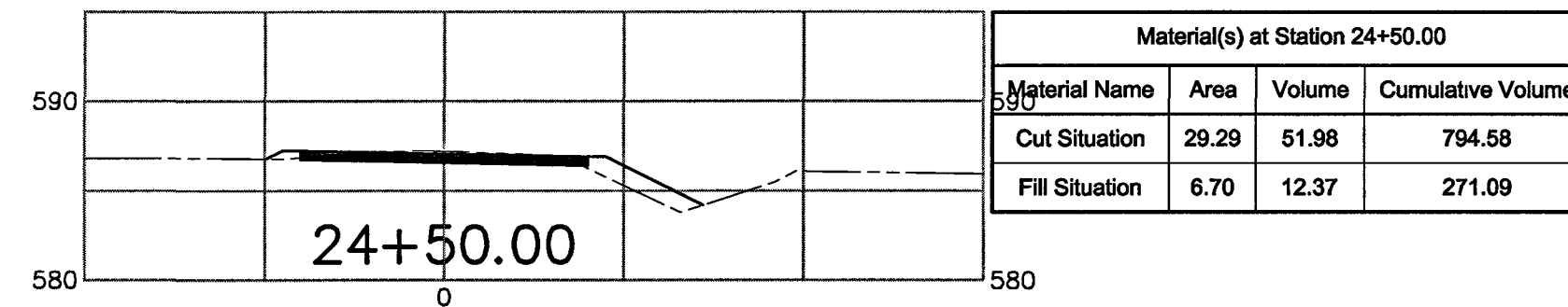
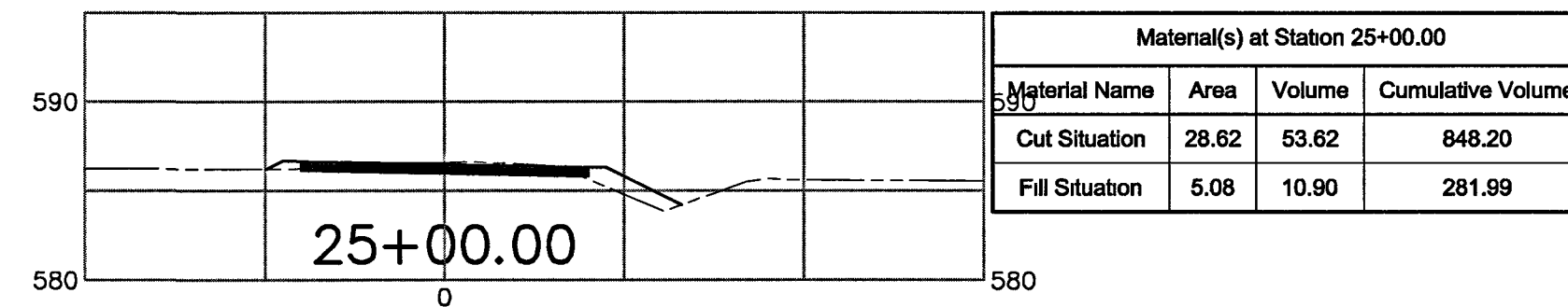
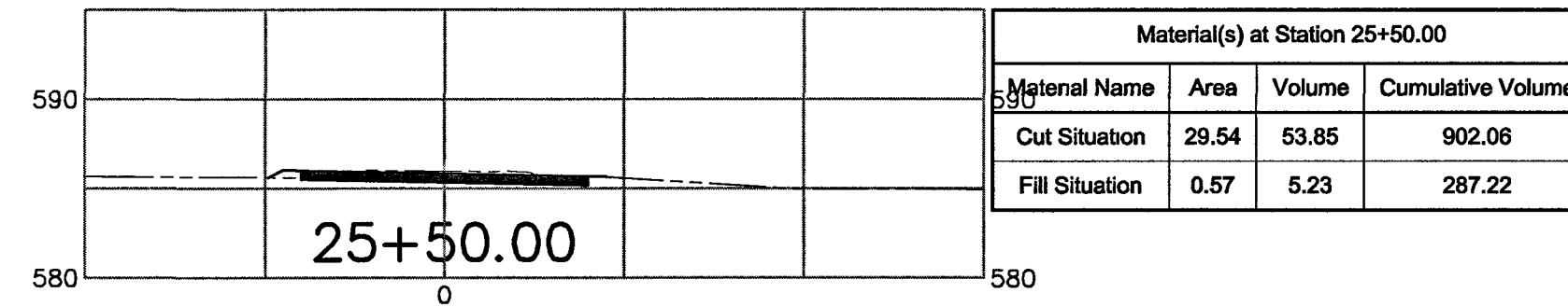
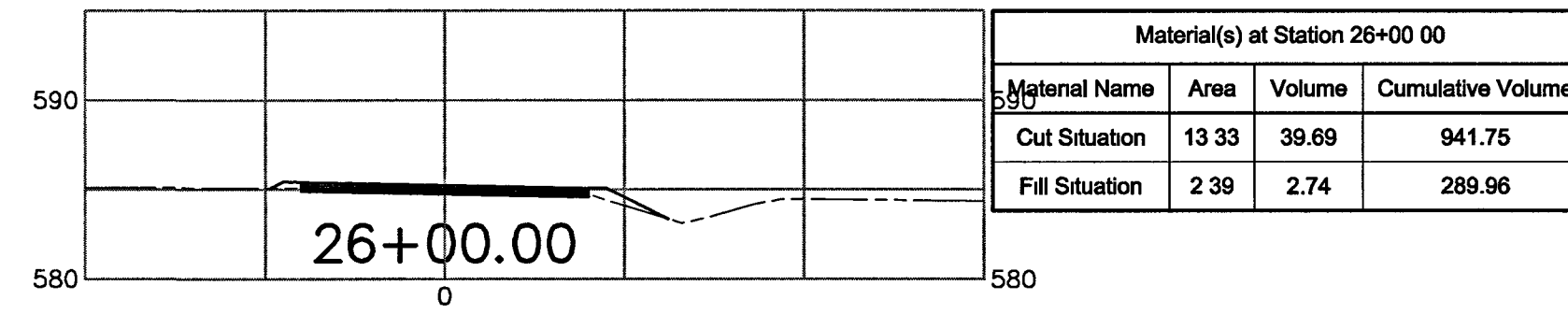
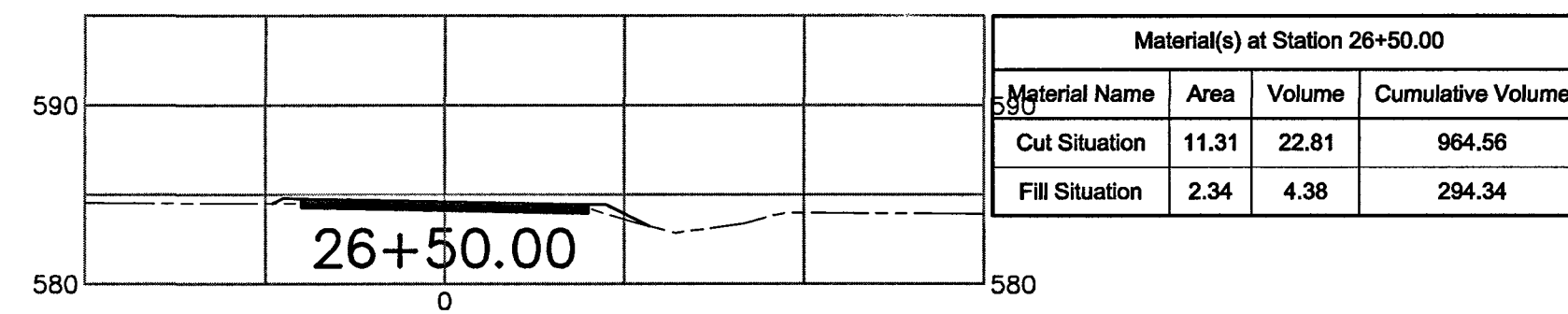
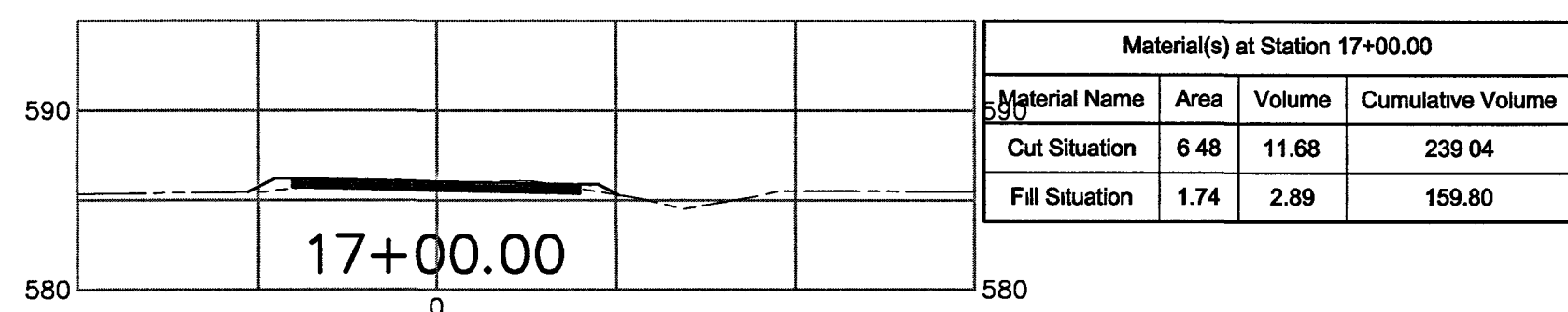
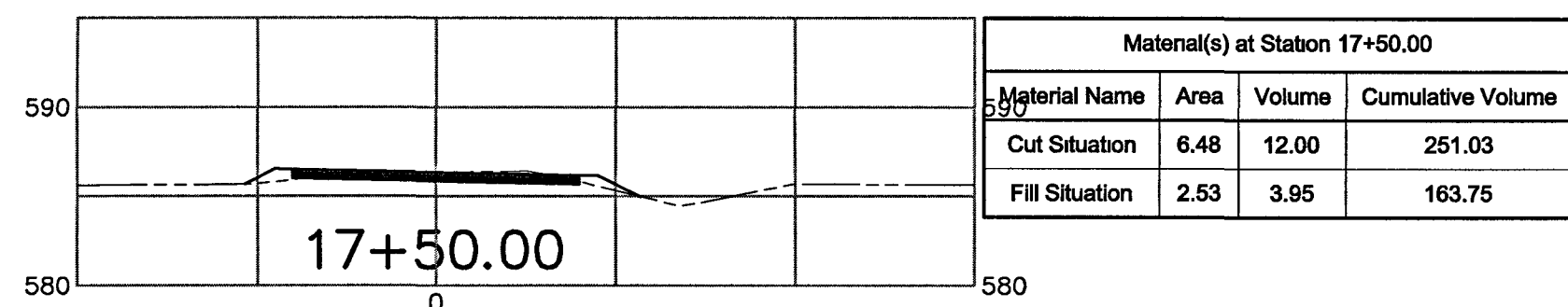
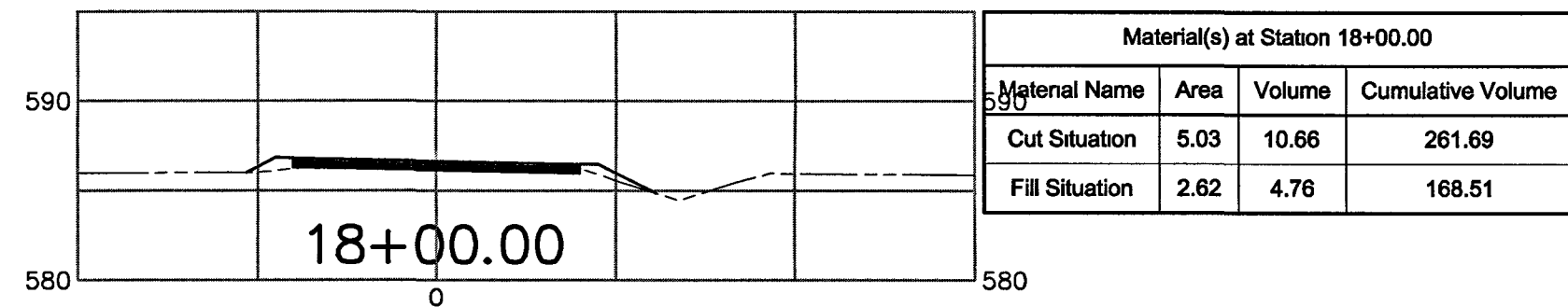
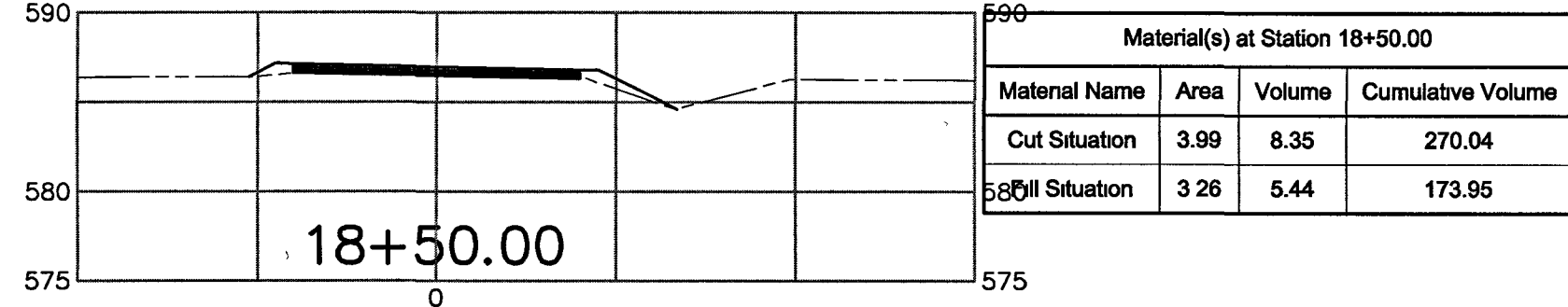
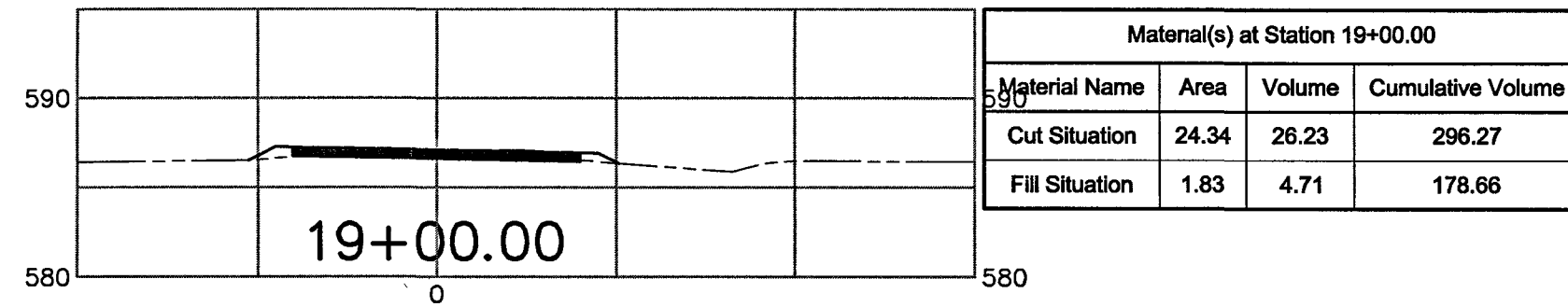
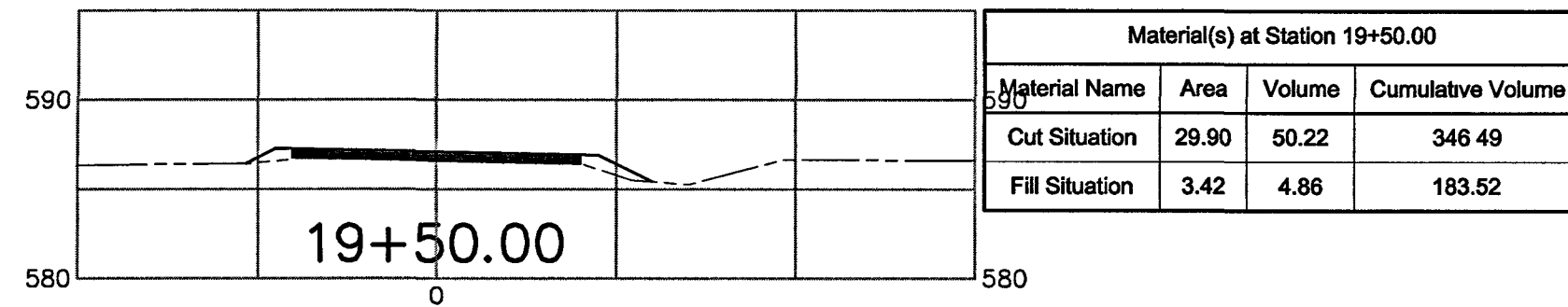
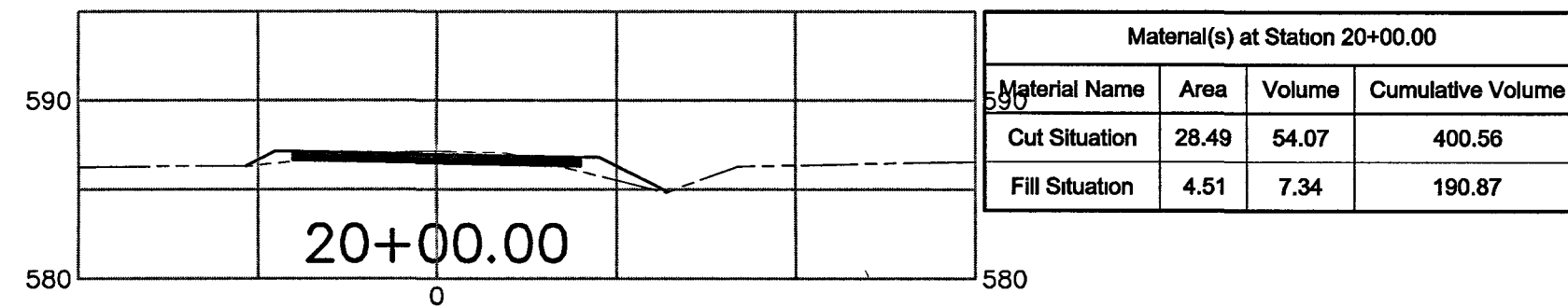
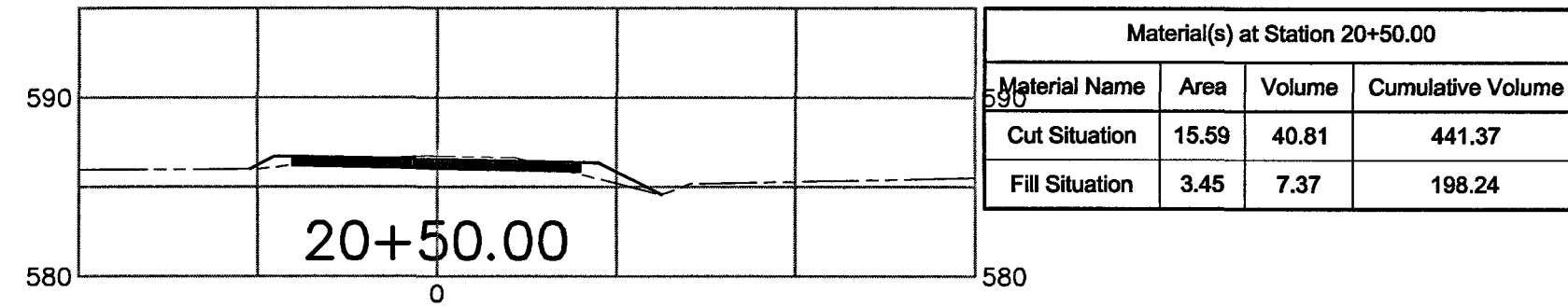
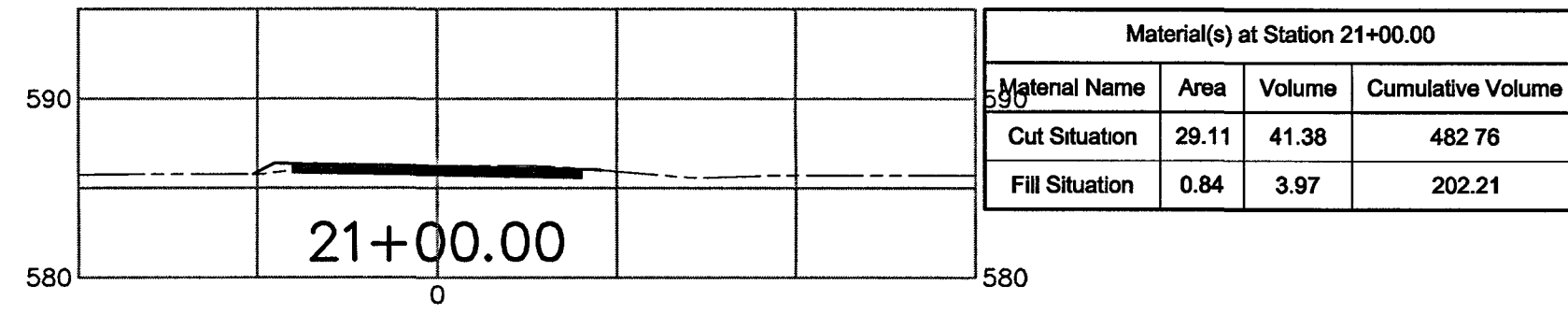
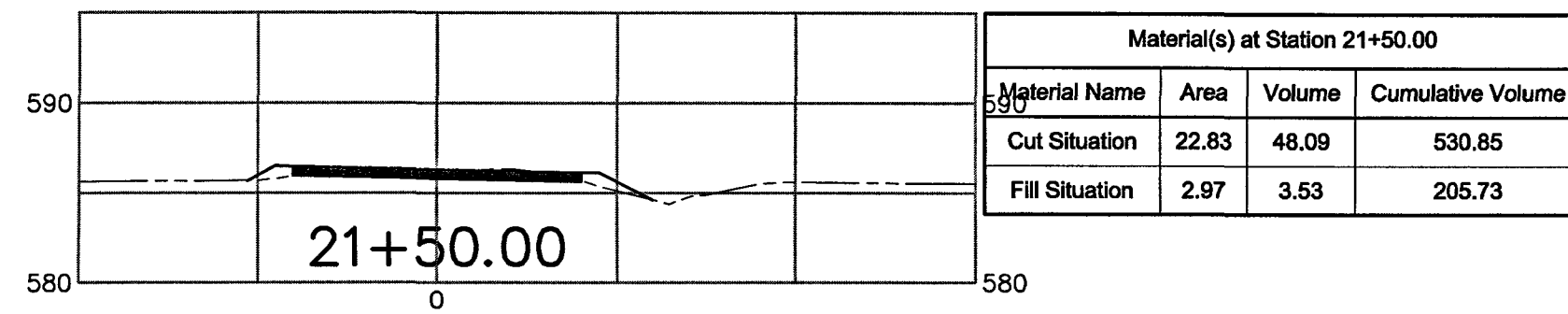
Project No.: 0110186.00



Xref Files
I:\gsd\l\p\Lincoln College\2011\0110186 00-Musiel & Pappas Post\Veg\Constructs\0110186 00-XC Civil.dwg | 12/15/2012 10:32 AM |

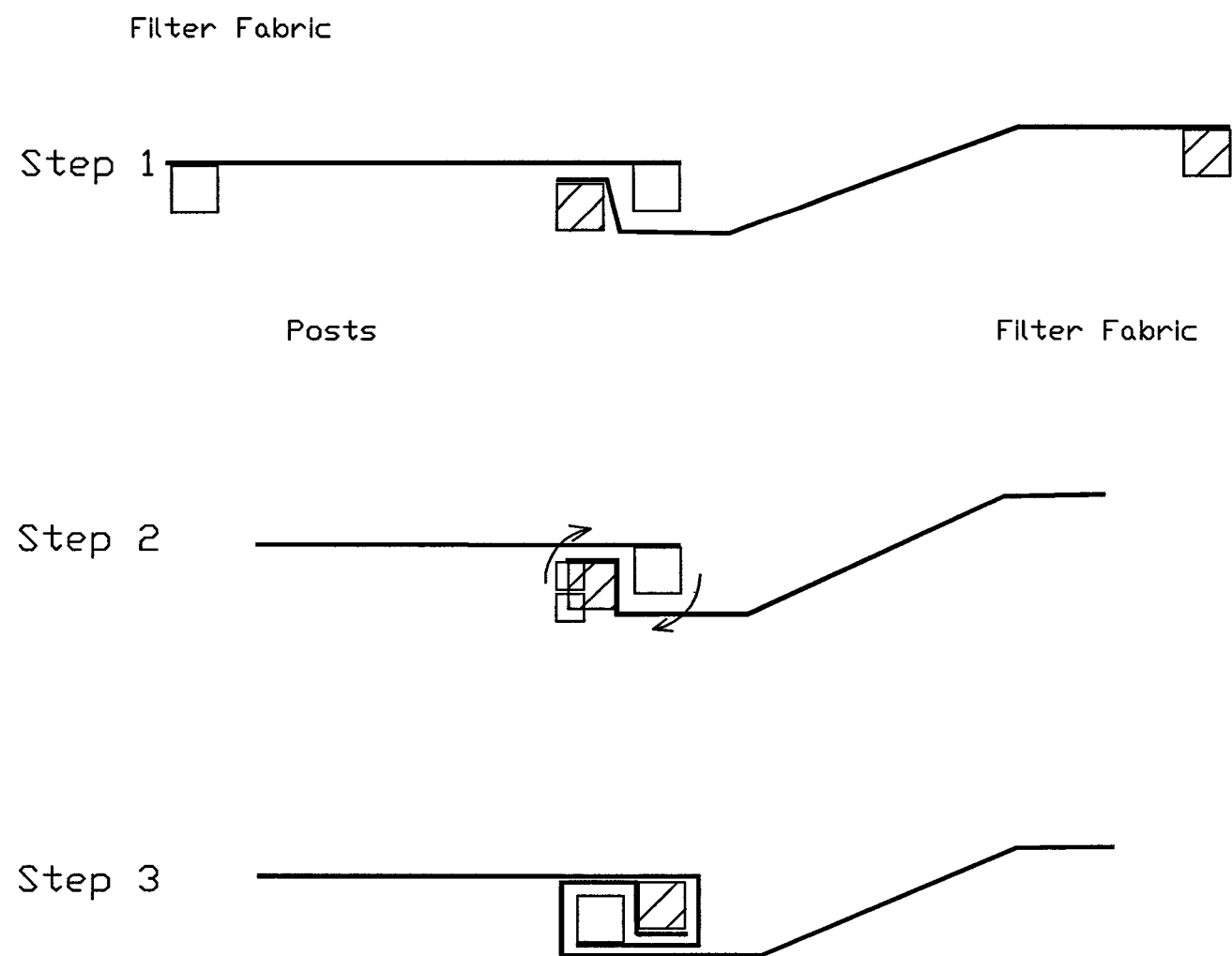


Xref Files
I:\plant\1\Lincoln College\2011\0110186 00-Musiel & Peoples Post\Draw\Constructs\0110186 00-CC Civil.dwg | 2/15/2012 10:32 AM |



Xref Files
I:\gsd\1\p\Lincoln College\2011\010106 00-Musard & Peoples Part\Eng\Constructs\010106 00-XC Civil.dwg | 2/15/2012 10:32 AM |

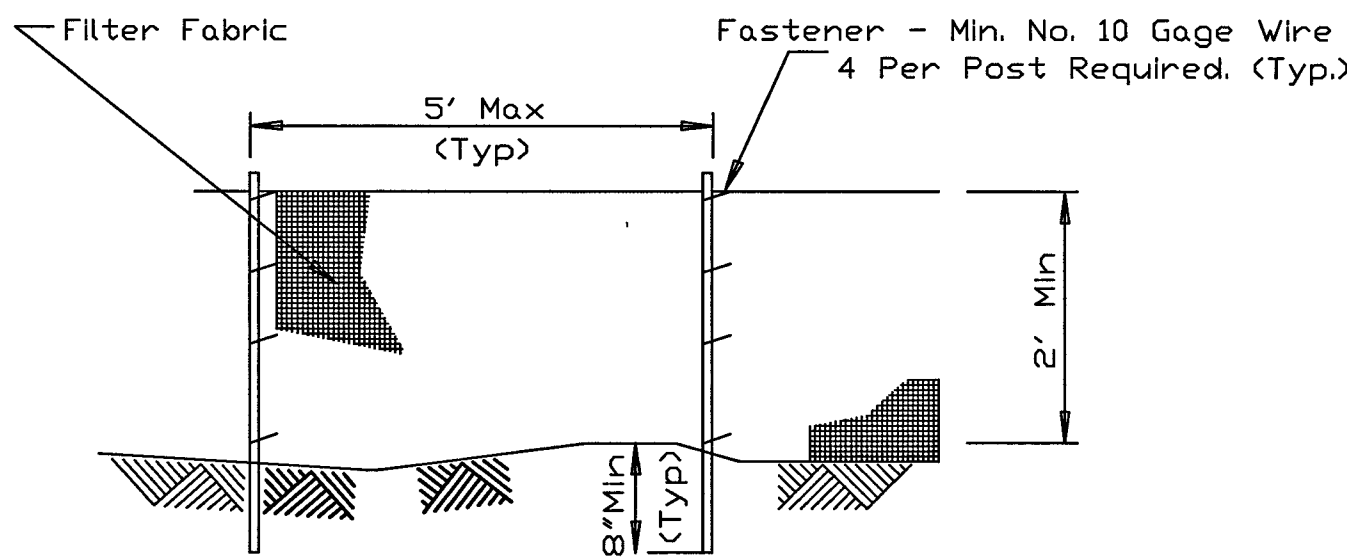
PERIMETER BARRIER - SILT FENCE DETAIL



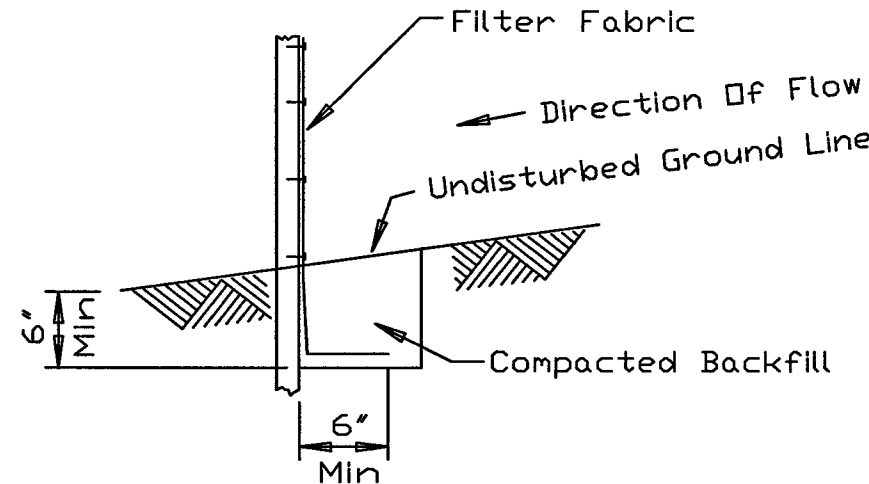
ATTACHING TWO SILT FENCES

- NOTES:
1. Place the end post of the second fence inside the end post of the first fence.
 2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
 3. Drive both posts a minimum of 18 inches into the ground and bury the flap.

PERIMETER BARRIER - SILT FENCE DETAIL



ELEVATION



FABRIC ANCHOR DETAIL

- NOTES:
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
 2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class with equivalent opening size of at least 30 for nonwoven and 50 for woven.
 3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

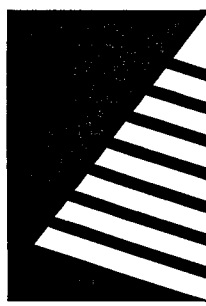
Total Volume Table							
Station	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
1+50.00	2.84	3.07	0.00	0.00	0.00	0.00	0.00
2+00.00	3.09	3.53	5.50	6.11	5.50	6.11	-0.62
2+50.00	2.65	4.17	5.32	7.13	10.81	13.24	-2.43
3+00.00	3.39	2.71	5.60	6.37	16.41	19.61	-3.20
3+50.00	3.55	2.35	6.43	4.68	22.84	24.29	-1.46
4+00.00	2.65	4.34	5.73	6.19	28.57	30.49	-1.92
4+50.00	2.10	5.61	4.39	9.21	32.97	39.70	-6.74
5+00.00	1.83	4.75	3.64	9.59	36.61	49.29	-12.68
5+50.00	1.85	3.52	3.41	7.66	40.02	56.94	-16.93
6+00.00	1.48	4.28	3.07	7.22	43.09	64.16	-21.07
6+50.00	1.03	3.79	2.32	7.47	45.41	71.63	-26.23
7+00.00	1.10	4.22	1.97	7.42	47.38	79.06	-31.67
7+50.00	2.07	3.03	2.94	6.71	50.33	85.77	-35.45
8+00.00	3.84	2.17	5.48	4.81	55.80	90.58	-34.78
8+50.00	3.82	2.60	7.09	4.41	62.89	94.99	-32.10
9+00.00	4.30	2.28	7.51	4.52	70.40	99.51	-29.11
9+50.00	2.99	3.07	6.75	4.96	77.15	104.47	-27.32
10+00.00	3.18	3.41	5.71	6.01	82.86	110.47	-27.61
10+50.00	3.44	4.04	6.13	6.90	88.99	117.38	-28.38
11+00.00	4.15	4.55	7.03	7.95	96.02	125.33	-29.30

Total Volume Table							
Station	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
11+50.00	4.68	2.03	8.18	6.09	104.20	131.42	-27.21
12+00.00	5.73	1.18	9.64	2.97	113.84	134.38	-20.54
12+50.00	5.26	1.08	10.18	2.09	124.02	136.48	-12.45
13+00.00	5.70	1.37	10.15	2.27	134.17	138.75	-4.58
13+50.00	7.40	1.00	12.13	2.20	146.30	140.95	5.35
14+00.00	8.47	1.24	14.69	2.07	160.99	143.02	17.97
14+50.00	7.99	0.71	15.23	1.80	176.22	144.82	31.40
15+00.00	6.78	1.40	13.67	1.95	189.89	146.77	43.12
15+50.00	7.26	1.46	13.00	2.64	202.89	149.42	53.47
16+00.00	6.52	2.63	12.76	3.78	215.65	153.20	62.45
16+50.00	6.13	1.38	11.71	3.71	227.36	156.91	70.45
17+00.00	6.48	1.74	11.68	2.89	239.04	159.80	79.23
17+50.00	6.48	2.53	12.00	3.95	251.03	163.75	87.28
18+00.00	5.03	2.62	10.66	4.76	261.69	168.51	93.18
18+50.00	3.99	3.26	8.35	5.44	270.04	173.95	96.09
19+00.00	24.34	1.83	26.23	4.71	296.27	178.66	117.61
19+50.00	29.90	3.42	50.22	4.86	346.49	183.52	162.97
20+00.00	28.49	4.51	54.07	7.34	400.56	190.87	209.70
20+50.00	15.59	3.45	40.81	7.37	441.37	198.24	243.14
21+00.00	29.11	0.84	41.38	3.97	482.76	202.21	280.55

Total Volume Table							
Station	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
21+50.00	22.83	2.97	48.09	3.53	530.85	205.73	325.12
22+00.00	21.81	5.76	41.33	8.08	572.19	213.82	358.37
22+50.00	22.70	6.47	41.21	11.32	613.39	225.14	388.26
23+00.00	21.48	5.79	40.90	11.35	654.30	236.48	417.81
23+50.00	23.52	5.78	41.66	10.71	695.96	247.19	448.76
24+00.00	26.86	6.66	46.64	11.52	742.60	258.72	483.88
24+50.00	29.29	6.70	51.98	12.37	794.58	271.09	523.49
25+00.00	28.62	5.08	53.62	10.90	848.20	281.99	566.21
25+50.00	29.54	0.57	53.85	5.23	902.06	287.22	614.84
26+00.00	13.33	2.39	39.69	2.74	941.75	289.96	651.79
26+50.00	11.31	2.34	22.81	4.38	964.56	294.34	670.21
27+00.00	10.06	2.17	19.79	4.18	984.34	298.52	685.83
27+50.00	12.60	2.78	20.99	4.58	1005.33	303.10	702.23
27+78.11	0.00	0.00	6.09	1.34	1011.43	304.44	706.98
28+00.00	13.94	1.75	6.17	0.77	1017.59	305.21	712.38
28+50.00	8.03	8.27	20.34	9.27	1037.94	314.49	723.45
29+00.00	11.29	6.55	17.89	13.72	1055.83	328.21	727.62

- PARKING LOT AREA EARTHWORK BEGINS AT STA. 29+00 AND EXTENDS TO NORTH:
- CUT VOLUME IN THIS AREA IS 550 CY
 - SUITABLE EXCAVATED MATERIAL TO BE USED FOR BACKFILL ALONG SIDES OF ROADWAY AS NECESSARY AND CONSTRUCTION OF LANDSCAPED ISLAND AS DIRECTED BY OWNER.
 - REMAINING EXCAVATED MATERIAL TO BE STOCKPILED OR SPREAD IN FIELD ON OWNER'S PROPERTY AS DIRECTED BY OWNER.

ENGINEERS
ARCHITECTS
SURVEYORS
SCIENTISTS



Farnsworth
GROUP

2709 MCGRAW DRIVE
BLOOMINGTON, ILLINOIS 61704
(309) 663-8435 / (309) 663-1571 Fax
www.f-w.com

ISSUE:

Date. Description:



PROJECT:

Lincoln College

Lincoln College
Outdoor Center for
Environmental
Education

Lincoln, Illinois

Date: 9-22-12

Design/Drawn: jmg

Reviewed: JMG

Book No.: 2074

SHEET TITLE:

EARTHWORK VOLUME
TABLES & DETAILS

SHEET NUMBER:

6

SHEET

OF

Project No.: 0110186.00