CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	•	LAKE	554	401
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
• (L-20W,R)6,6A & 6		EXT) WRS-1		

SCALE: HORIZ. 1" = 10'
VERT. 1" = 5'

F. A. P. ROUTE 866 (IL ROUTE 83)

STA. 299+00 TO STA. 300+00

FILE: CA2008\824\Xsects\Area_DVXSHT.dgn
DATE: 8/1/2008 13:14

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
CONSULTING ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT
OF TRANSPORTATION

\geo\area1\xsect.pl.dgn 7/28/2008 2:36:22 PM

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	*	LAKE	554	402
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* (L-2(W,R)6,6A & 6		EXT)	WRS-1	

SCALE: HORIZ. 1" = 10'
VERT. 1" = 5'

F. A. P. ROUTE 866 (IL ROUTE 83)

STA. 300+16 TO STA. 301+00

FILE: D:\2008\4024\Syes\Xhras_DVSHT_D.dgn
DATE: 8/7/2008 13:14

STAGE I

STAGE II

EX-C/L

EX-R/W

P-R/W

785.450

785.154

784.778

788.36

788.12

788.81

24"X38" RCP

STAGE I

TOPSOIL EXC.(SQ. FT.)	19.2
UNSUITABLE EXC.(SQ. FT.)	0.0
EARTH EXC.(SQ. FT.)	23.1
EMBANKMENT(SQ. FT.)	7.2
POROUS GRANULAR EMB(SQ. FT.)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT.)	12.9
UNSUITABLE EXC.(SQ. FT.)	0.0
EARTH EXC.(SQ. FT.)	44.8
EMBANKMENT(SQ. FT.)	0.0
POROUS GRANULAR EMB(SQ. FT.)	0.0

300+53.00

301+00.00

300+16.00

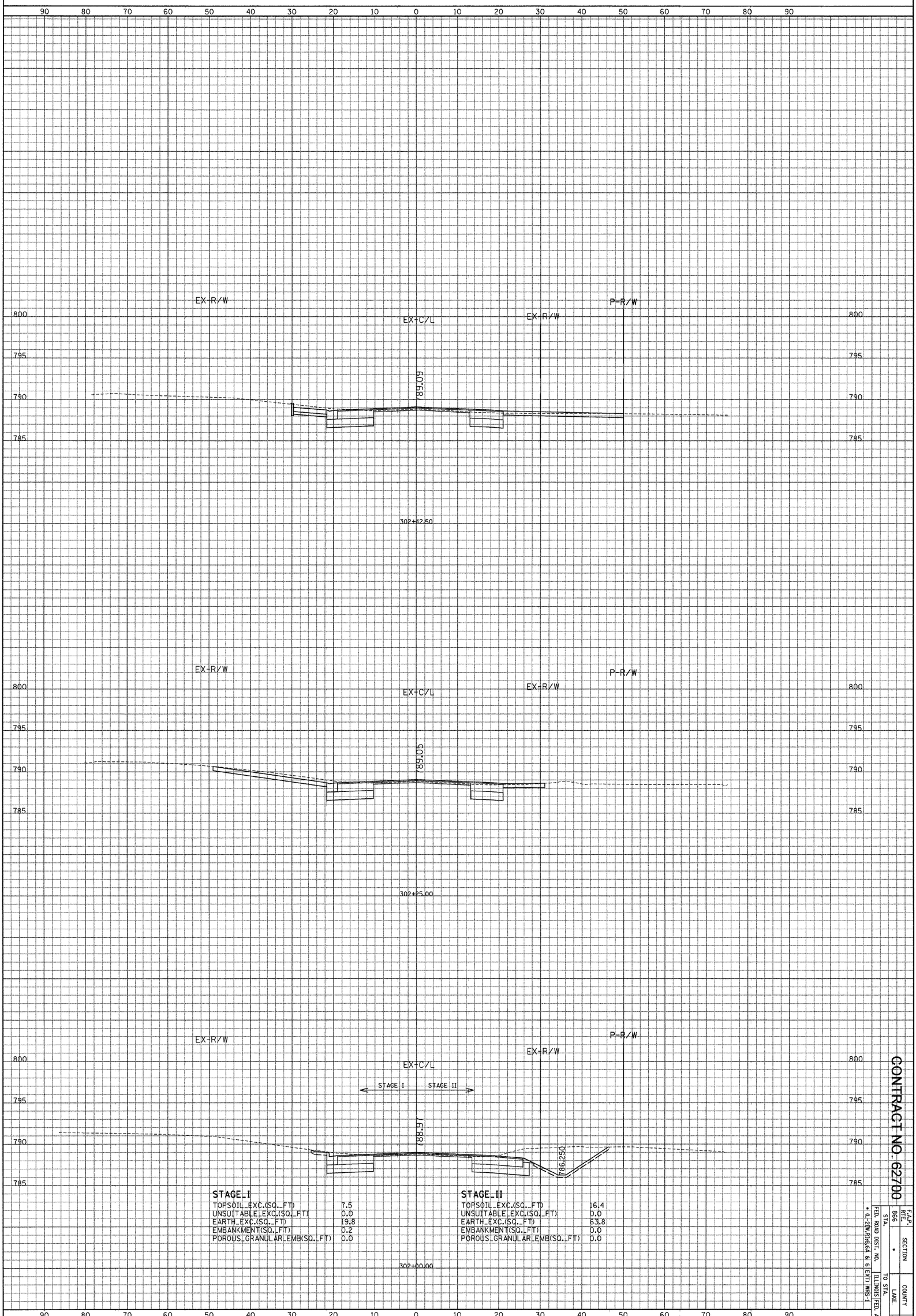
800 795 790 785

0 10 20 30 40 50 60 70 80 90

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT
OF TRANSPORTATION

\gas\Xrefs\P_DVSHT_D.dgn 2/26/2008 2:36:37 PM



STAGE I	
TOPSOIL EXC.(SQ. FT)	7.5
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	19.8
EMBANKMENT(SQ. FT)	0.2
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	16.4
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	63.8
EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEETS	554
SHEET NO.	403

FED. ROAD DIST. NO. ILLINOIS | FED. AID PROJECT
STA. TO STA.
* (L-2PM,P)1&6,4 & 6 EXT) MRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

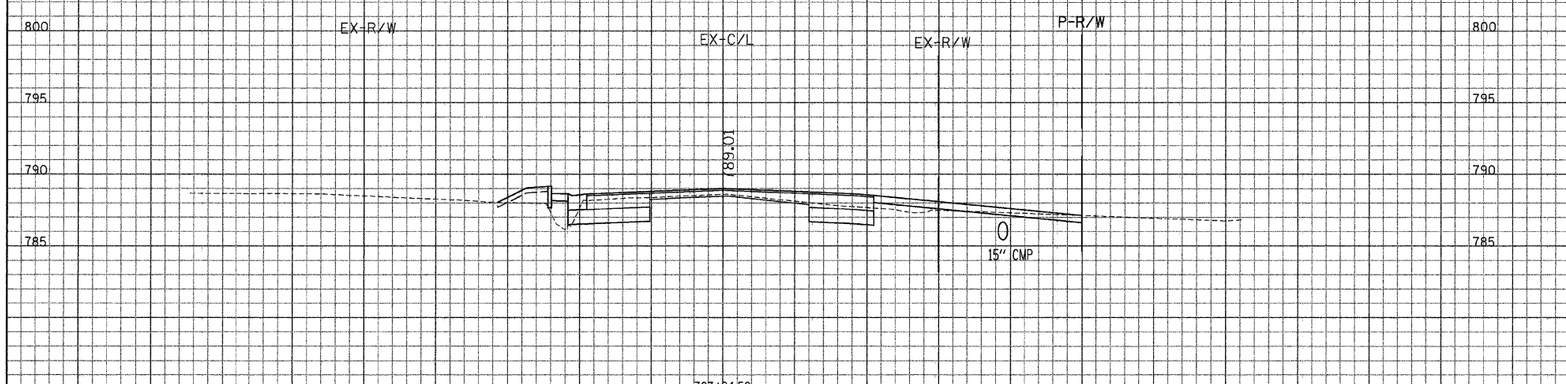
ILLINOIS DEPARTMENT OF TRANSPORTATION

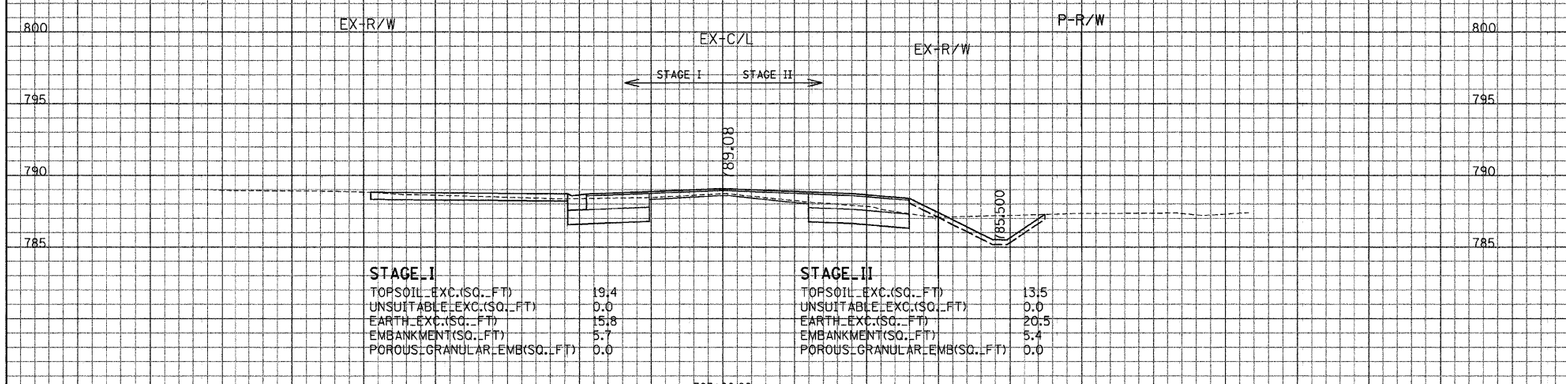
F. A. P. ROUTE 866 (IL ROUTE 83)
STA. 302+00 TO STA. 302+42.50

SCALE: HORIZ. 1" = 10'
VERT. 1" = 5'

FILE: G:\20004024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_E\XSHT_E.dgn 2/28/2008 2:36:46 PM



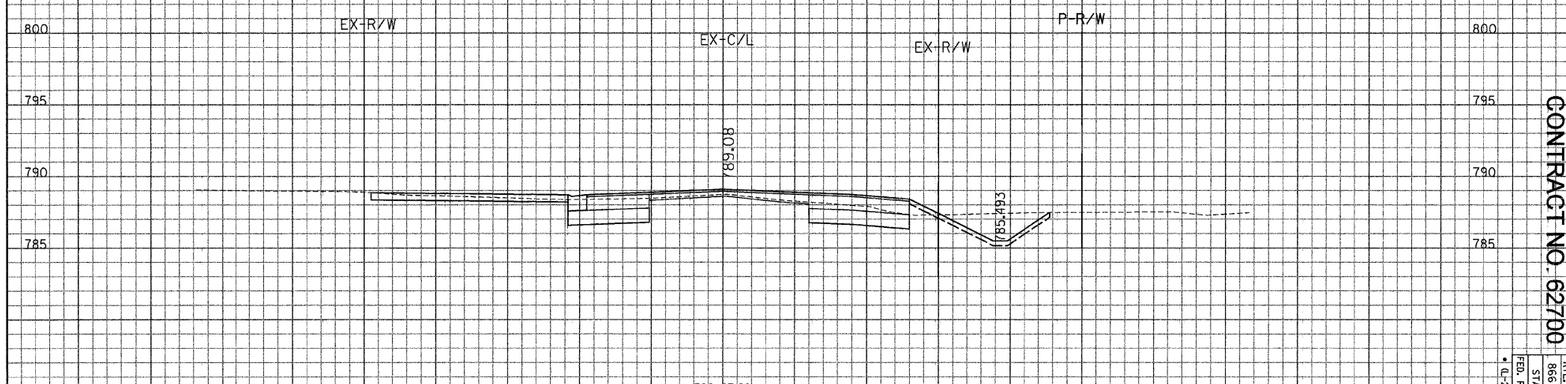


STAGE I

TOPSOIL EXC.(SQ. FT)	19.4
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	15.8
EMBANKMENT(SQ. FT)	5.7
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	13.5
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	20.5
EMBANKMENT(SQ. FT)	5.4
POROUS GRANULAR EMB(SQ. FT)	0.0



CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	•	LAKE	554	404

FED. ROAD DIST. NO. • ILLINOIS FED. AID PROJECT • (L-20W,13&64 & 6 EXT) HRS-1

STA. TO STA.

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

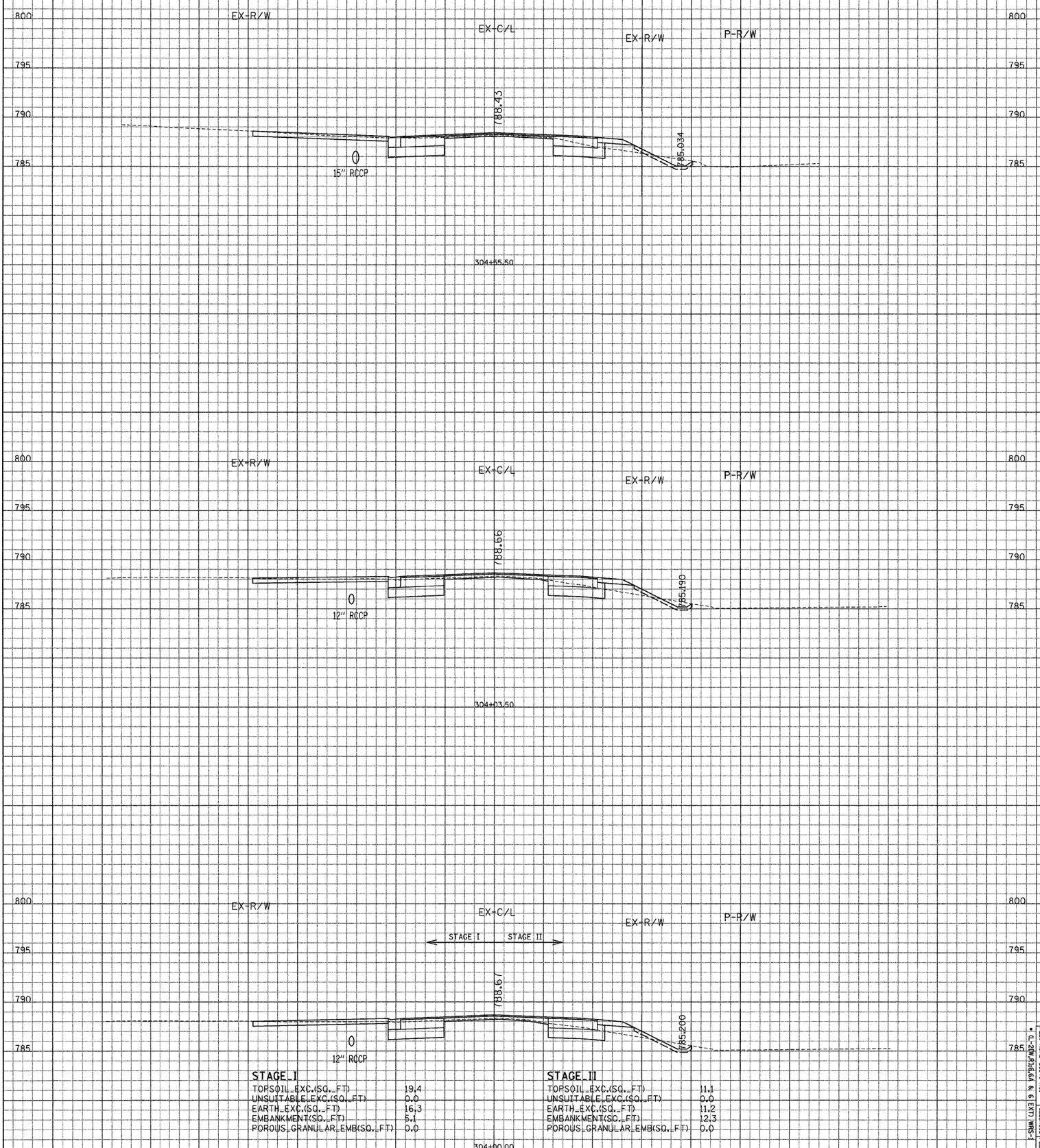
STA. 302+97.60 TO STA. 303+24.50

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\2000\0024_N\geo\Area_DTXSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_DTXSHT_D.cgn 2/28/2008 2:37:01 PM



STAGE I

TOPSOIL EXC.(SQ. FT)	19.4
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	16.3
EMBANKMENT(SQ. FT)	5.1
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	11.1
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	11.2
EMBANKMENT(SQ. FT)	12.3
POROUS GRANULAR EMB(SQ. FT)	0.0

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	•	LAKE	554	405

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

STA. TO STA.

• IL-28M,3x564 & 6 EXT) IMRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

GRAEF ANHALT SCHLOEMER

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

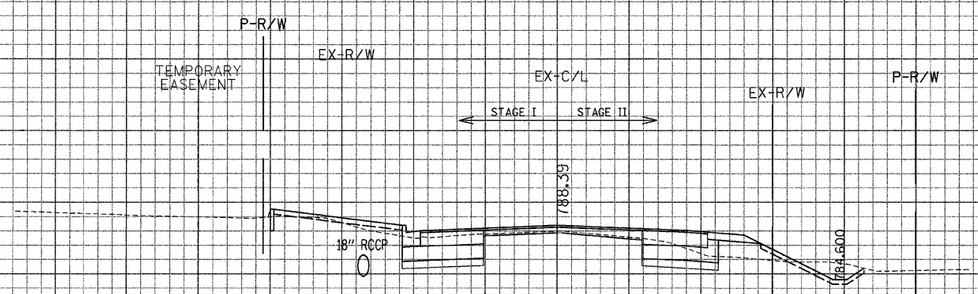
STA. 304+00 TO STA. 304+55.50

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\20004024.N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_D\XSHT_D.dgn 2/28/2008 2:37:10 PM



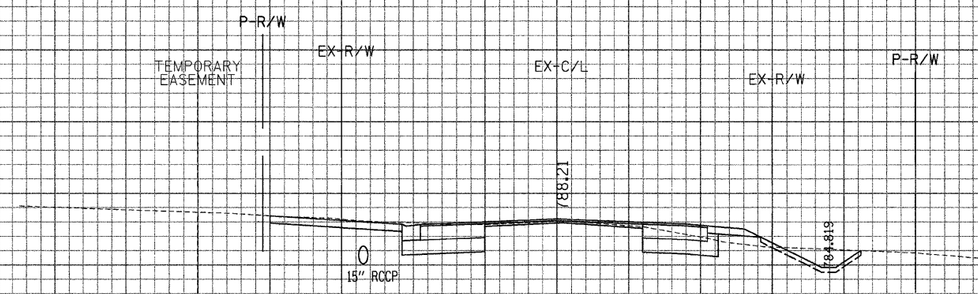
STAGE I

TOPSOIL EXC.(SQ. FT)	14.9
UNSUITABLE EXC.(SQ. FT)	18.6
EARTH EXC.(SQ. FT)	2.4
EMBANKMENT(SQ. FT)	10.9
POROUS GRANULAR EMB(SQ. FT)	5.7

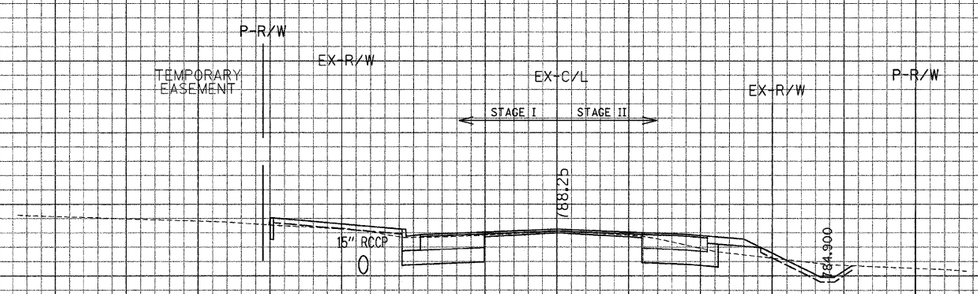
STAGE II

TOPSOIL EXC.(SQ. FT)	15.5
UNSUITABLE EXC.(SQ. FT)	10.2
EARTH EXC.(SQ. FT)	6.3
EMBANKMENT(SQ. FT)	13.4
POROUS GRANULAR EMB(SQ. FT)	5.5

306+00.00



305+27.00



STAGE I

TOPSOIL EXC.(SQ. FT)	15.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	16.5
EMBANKMENT(SQ. FT)	10.4
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	14.6
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	14.0
EMBANKMENT(SQ. FT)	9.2
POROUS GRANULAR EMB(SQ. FT)	0.0

305+00.00

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEET NO.	554
SHEET NO.	406

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

STA. TO STA.

* (L-20W,D,3&6A & 6 EXT) HRS-1

GRAEF ANHALT SCHLOEMER

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

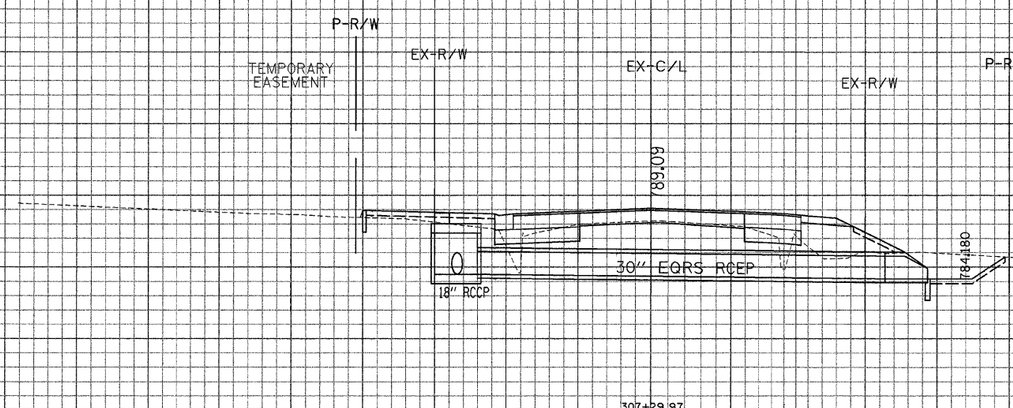
STA. 305+00 TO STA. 306+00

SCALE: HORIZ. 1" = 10'

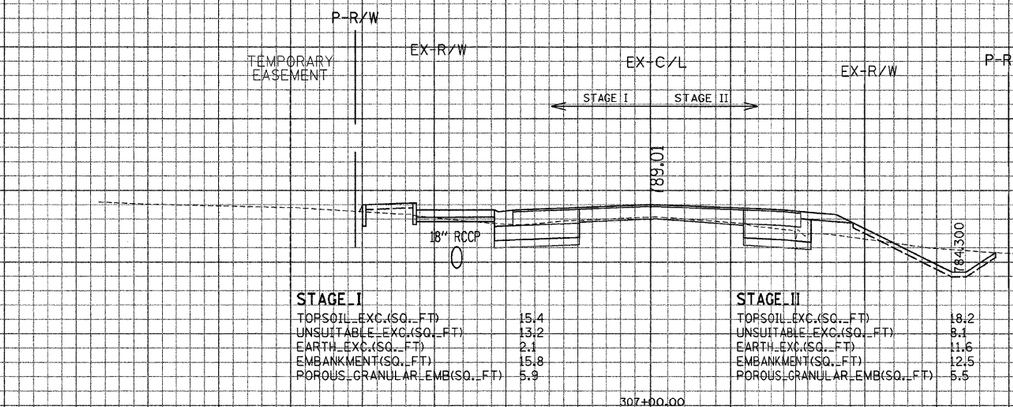
VERT. 1" = 5'

FILE: G:\2000\024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_D\XSHT_D.dgn 2/28/2006 2:37:27 PM

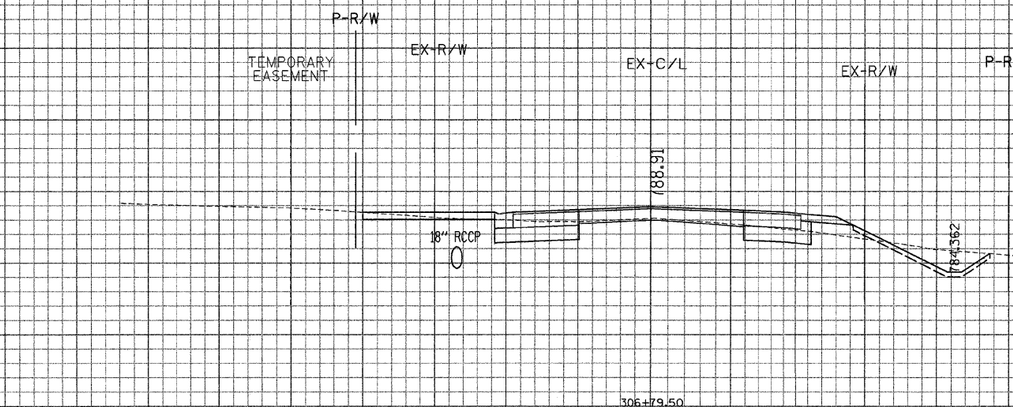


307+29.97



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	15.4	TOPSOIL EXC.(SQ. FT)	18.2
UNSUITABLE EXC.(SQ. FT)	13.2	UNSUITABLE EXC.(SQ. FT)	3.1
EARTH EXC.(SQ. FT)	2.1	EARTH EXC.(SQ. FT)	1.6
EMBANKMENT(SQ. FT)	15.8	EMBANKMENT(SQ. FT)	12.5
POROUS GRANULAR EMB(SQ. FT)	5.9	POROUS GRANULAR EMB(SQ. FT)	5.5

307+00.00



306+79.50

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

STA. 306+79.50 TO STA. 307+30

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
866	*	LAKE	554
FED. ROAD DIST. NO.	STA.	TO STA.	SHEET NO.
ILLINOIS FED. AID PROJECT	* (L-2W,3,3&4 & 6 EXT) HRS-1		407

FILE: G:\2000\4024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_D\XSHT_D.dgn 2/28/2008 2:37:37 PM

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	•	LAKE	554	408
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

• (L-20W,R)6,6A & 6 EXT) WRS-1

SCALE: HORIZ. 1" = 10'
VERT. 1" = 5'

F. A. P. ROUTE 866 (IL ROUTE 83)

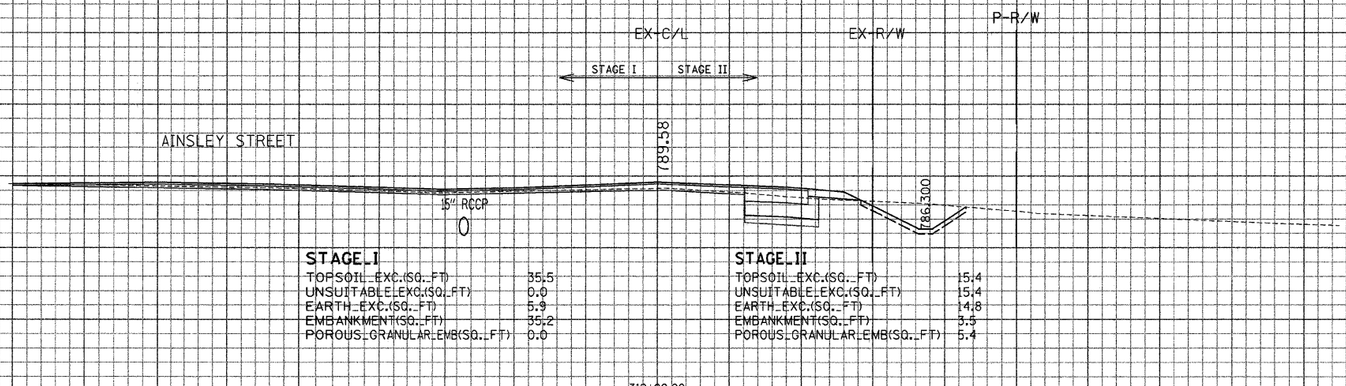
STA. 308+00 TO STA. 309+00

ILLINOIS DEPARTMENT OF TRANSPORTATION

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
CONSULTING ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

FILE: CA-2808-02A.NgasAreas.DWXSHT.D.dgn
DATE: 8th Jan '04 13:14

\ogesAreaD\TSP_D.dgn 2/28/2008 2:37:55 PM



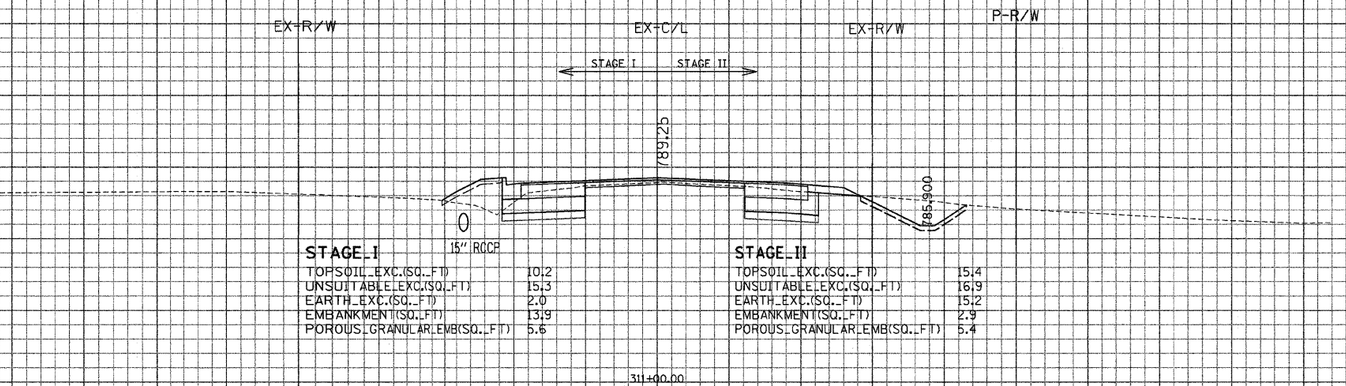
STAGE_I

TOPSOIL_EXC.(SQ._FT)	35.5
UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	5.9
EMBANKMENT(SQ._FT)	35.2
POROUS_GRANULAR_EMB(SQ._FT)	0.0

STAGE_II

TOPSOIL_EXC.(SQ._FT)	15.4
UNSUITABLE_EXC.(SQ._FT)	15.4
EARTH_EXC.(SQ._FT)	14.8
EMBANKMENT(SQ._FT)	3.5
POROUS_GRANULAR_EMB(SQ._FT)	5.4

312+00.00



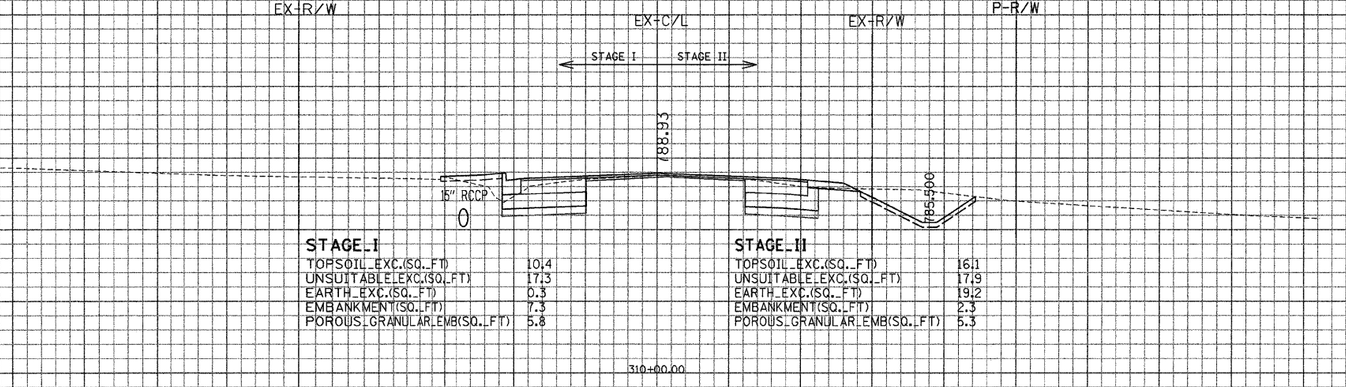
STAGE_I

TOPSOIL_EXC.(SQ._FT)	10.2
UNSUITABLE_EXC.(SQ._FT)	15.3
EARTH_EXC.(SQ._FT)	2.0
EMBANKMENT(SQ._FT)	13.9
POROUS_GRANULAR_EMB(SQ._FT)	5.6

STAGE_II

TOPSOIL_EXC.(SQ._FT)	15.4
UNSUITABLE_EXC.(SQ._FT)	16.9
EARTH_EXC.(SQ._FT)	15.2
EMBANKMENT(SQ._FT)	2.9
POROUS_GRANULAR_EMB(SQ._FT)	5.4

311+00.00



STAGE_I

TOPSOIL_EXC.(SQ._FT)	10.4
UNSUITABLE_EXC.(SQ._FT)	17.3
EARTH_EXC.(SQ._FT)	0.3
EMBANKMENT(SQ._FT)	7.3
POROUS_GRANULAR_EMB(SQ._FT)	5.8

STAGE_II

TOPSOIL_EXC.(SQ._FT)	16.1
UNSUITABLE_EXC.(SQ._FT)	17.9
EARTH_EXC.(SQ._FT)	19.2
EMBANKMENT(SQ._FT)	2.3
POROUS_GRANULAR_EMB(SQ._FT)	5.3

310+00.00

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEETS	554
SHEET NO.	409

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

STA. TO STA.

* (L-20W,B1&6A & 6 EXT) MRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

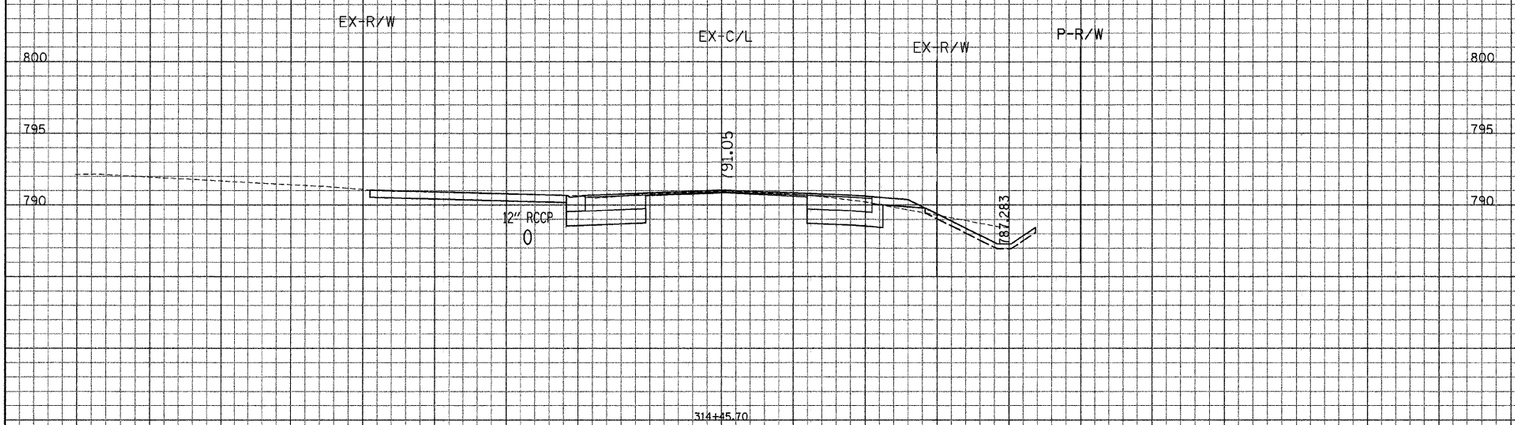
STA. 310+00 TO STA. 312+00

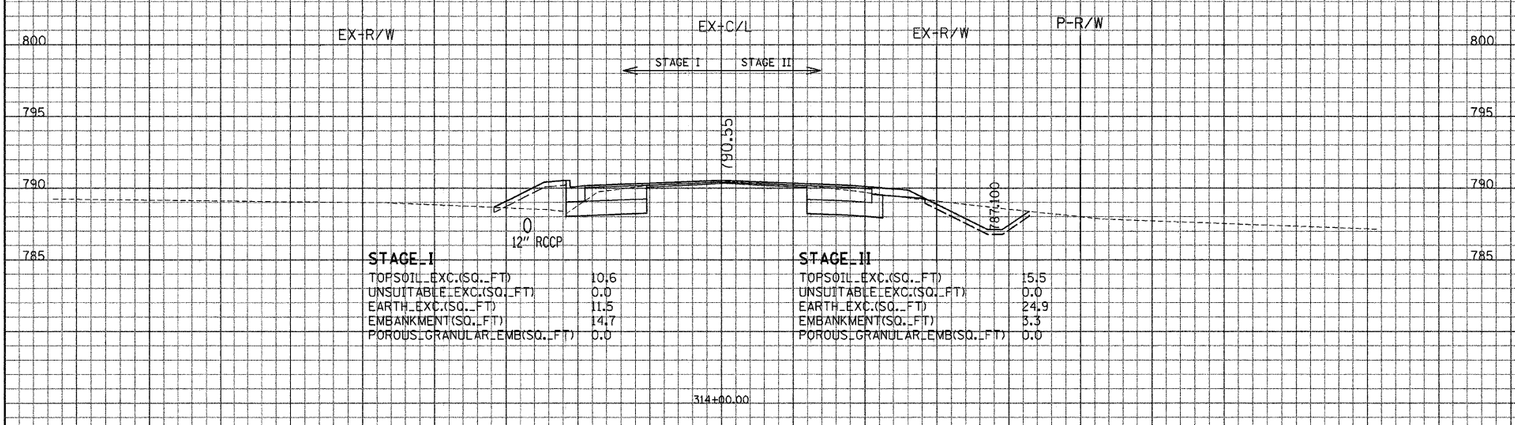
SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\2000\1024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_D\XSHT_D.dgn 2/28/2008 2:36:05 PM



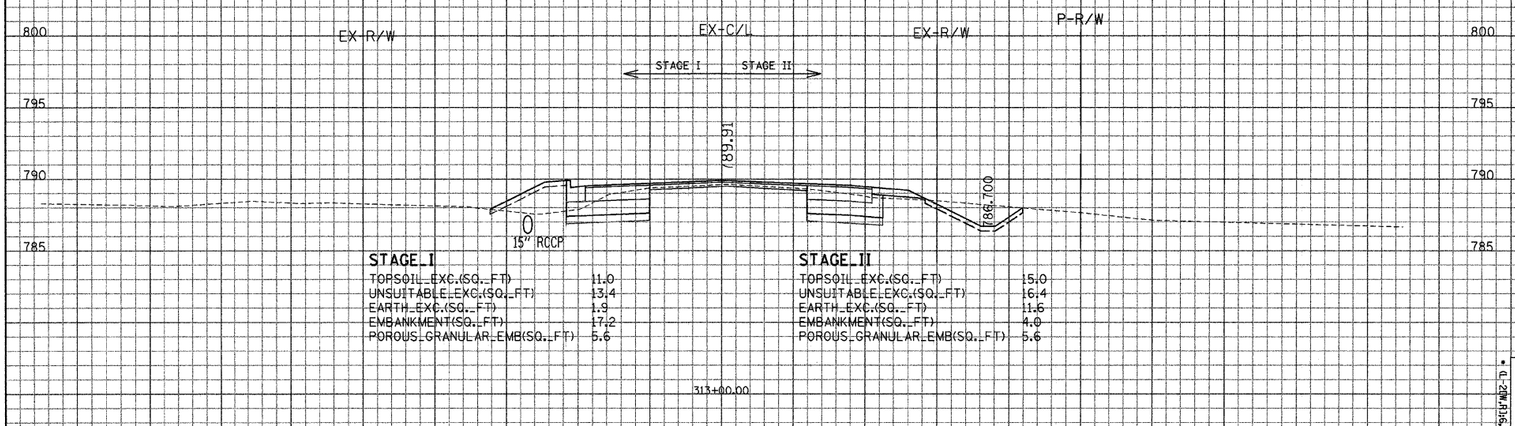


STAGE I

TOPSOIL EXC.(SQ. FT)	10.6
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	11.5
EMBANKMENT(SQ. FT)	14.7
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	15.5
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	24.9
EMBANKMENT(SQ. FT)	3.3
POROUS GRANULAR EMB(SQ. FT)	0.0



STAGE I

TOPSOIL EXC.(SQ. FT)	11.0
UNSUITABLE EXC.(SQ. FT)	13.4
EARTH EXC.(SQ. FT)	1.9
EMBANKMENT(SQ. FT)	17.2
POROUS GRANULAR EMB(SQ. FT)	5.6

STAGE II

TOPSOIL EXC.(SQ. FT)	15.0
UNSUITABLE EXC.(SQ. FT)	16.4
EARTH EXC.(SQ. FT)	11.6
EMBANKMENT(SQ. FT)	4.0
POROUS GRANULAR EMB(SQ. FT)	5.6

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEETS	554
SHEET NO.	410

FED. ROAD DIST. NO. ILLINOIS | FED. AID PROJECT | STA. | TO STA.

* (L-20W,31&64 & 6 EXT) HRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

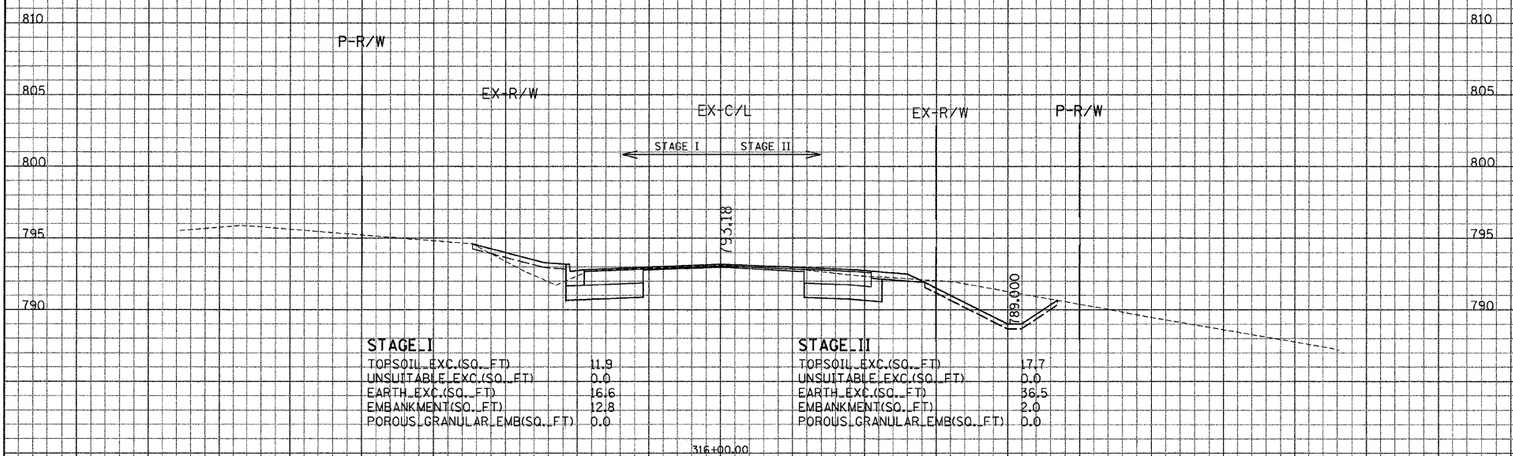
STA. 313+00 TO STA. 314+45.70

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

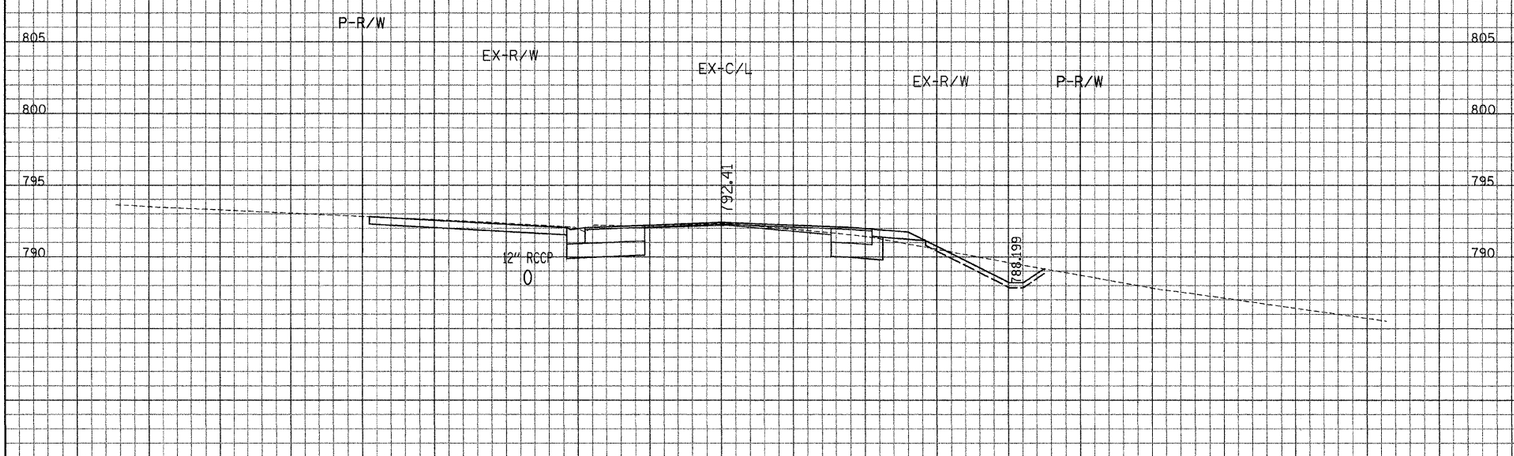
FILE: G:\2000\024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_D\XSHT_D.dgn 2/28/2008 2:36:18 PM

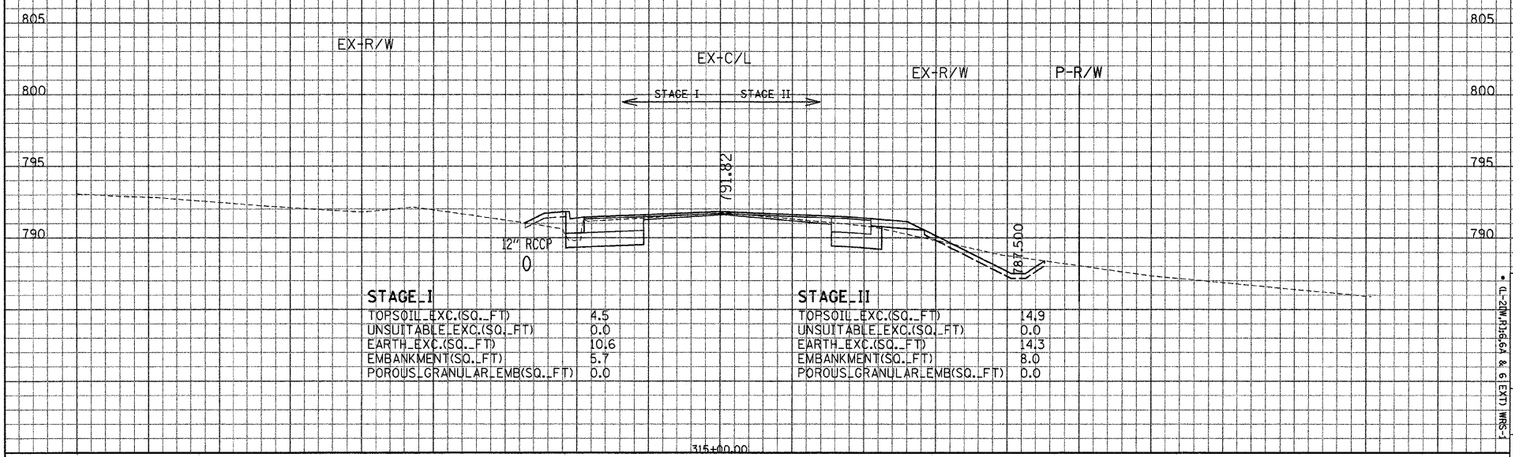


STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	11.9	TOPSOIL EXC.(SQ. FT)	17.7
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	16.6	EARTH EXC.(SQ. FT)	36.5
EMBANKMENT(SQ. FT)	12.8	EMBANKMENT(SQ. FT)	2.0
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

316+00.00



315+46.60



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	4.5	TOPSOIL EXC.(SQ. FT)	14.9
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	10.6	EARTH EXC.(SQ. FT)	14.3
EMBANKMENT(SQ. FT)	5.7	EMBANKMENT(SQ. FT)	8.0
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

315+80.00

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	•	LAKE	554	411

FED. ROAD DIST. NO. • ILLINOIS FED. AID PROJECT
STA. • (L-28W,R3&6A & 6 EXT) HRS-1
TO STA.

GRAEF ANHALT SCHLOEMER and Associates Inc.

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

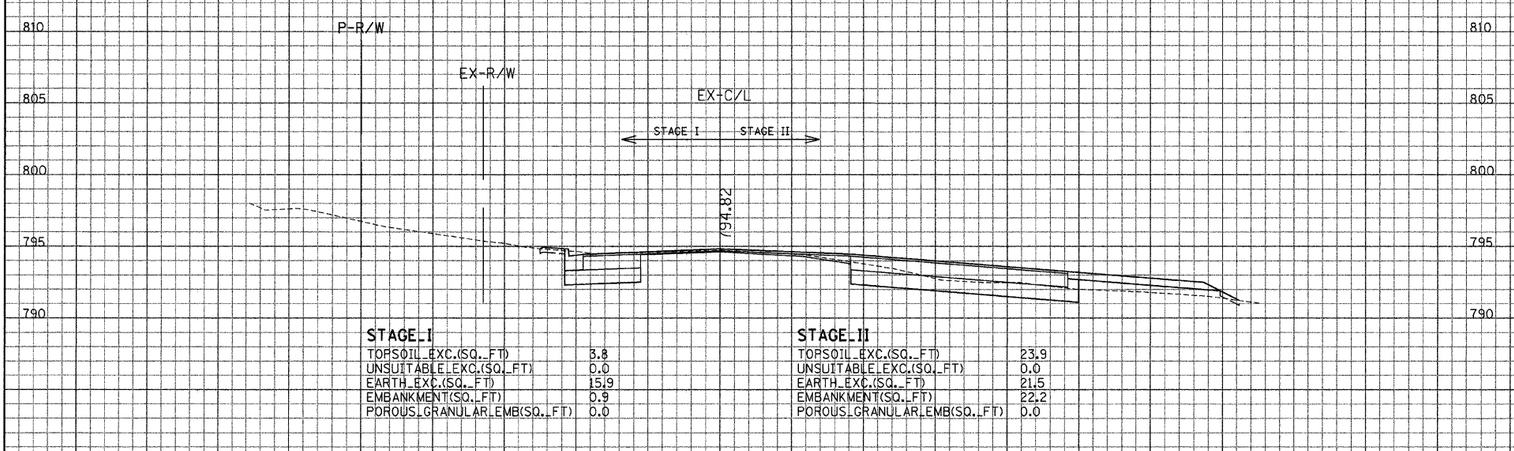
ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)
STA. 315+00 TO STA. 316+00

SCALE: HORIZ. 1" = 10'
VERT. 1" = 5'

FILE: G:\2000#024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_D\XSHT_D.dgn 2/28/2008 2:38:26 PM



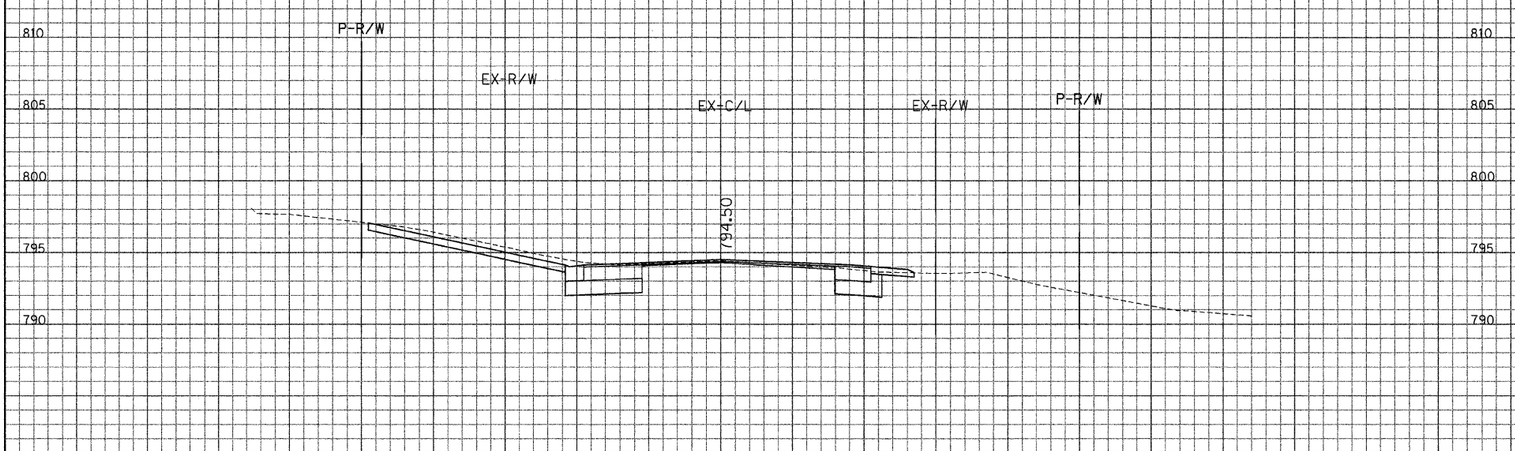
STAGE I

TOPSOIL EXC.(SQ. FT)	3.8
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	15.9
EMBANKMENT(SQ. FT)	0.9
POROUS GRANULAR EMB(SQ. FT)	0.0

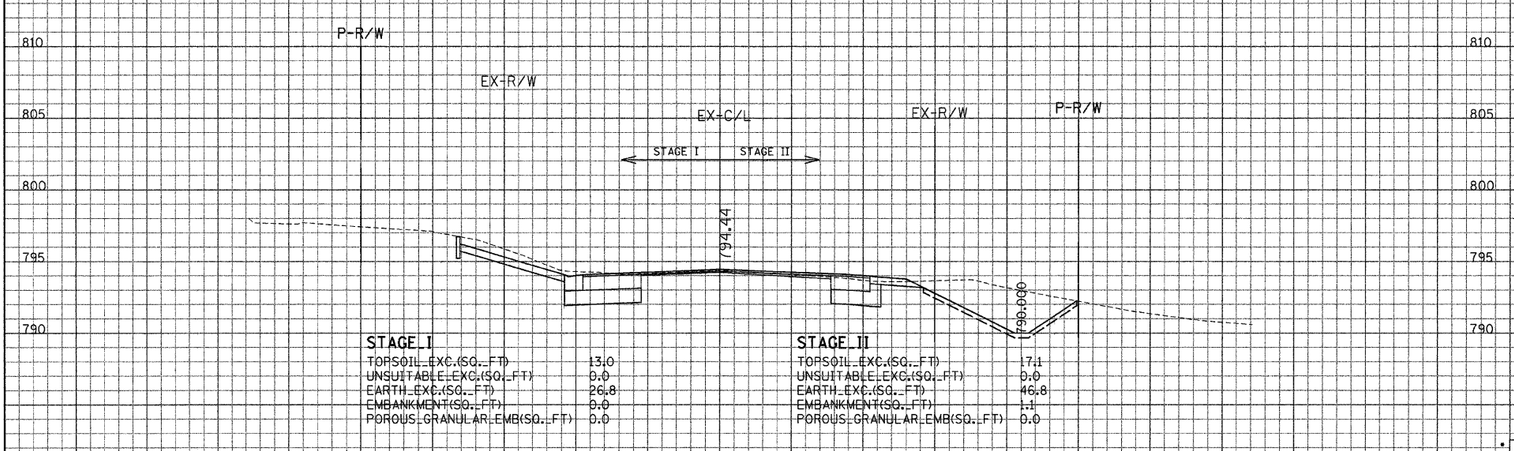
STAGE II

TOPSOIL EXC.(SQ. FT)	23.9
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	21.5
EMBANKMENT(SQ. FT)	22.2
POROUS GRANULAR EMB(SQ. FT)	0.0

317+50.00



317+08.00



STAGE I

TOPSOIL EXC.(SQ. FT)	13.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	26.8
EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	17.1
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	46.8
EMBANKMENT(SQ. FT)	1.1
POROUS GRANULAR EMB(SQ. FT)	0.0

317+00.00

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	•
COUNTY	LAKE
TOTAL SHEETS	554
SHEET NO.	412

FED. ROAD DIST. NO. • STA. • TO STA. • ILLINOIS FED. AID PROJECT • (L-2DW,3&6A & 6 EXT) MRS-1

GRAEF ANHALT SCHLOEMER AND ASSOCIATES INC.
GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

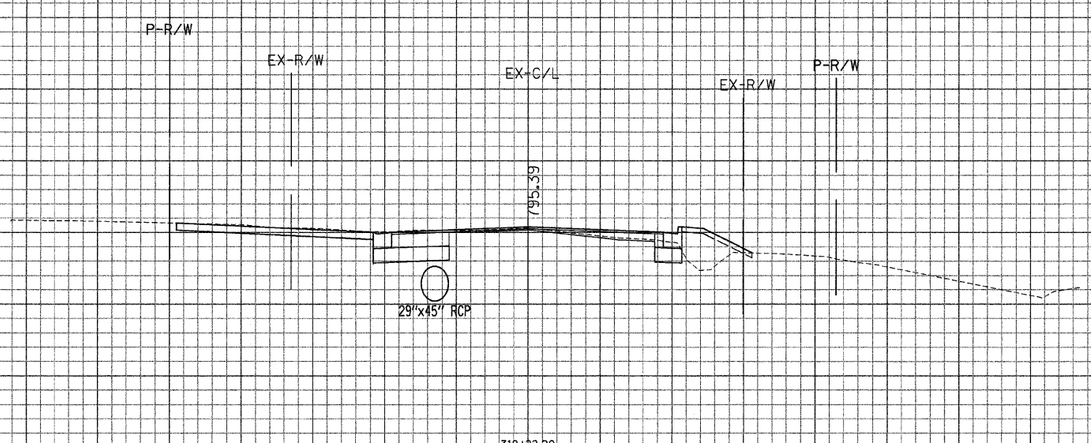
STA. 317+00 TO STA. 317+50

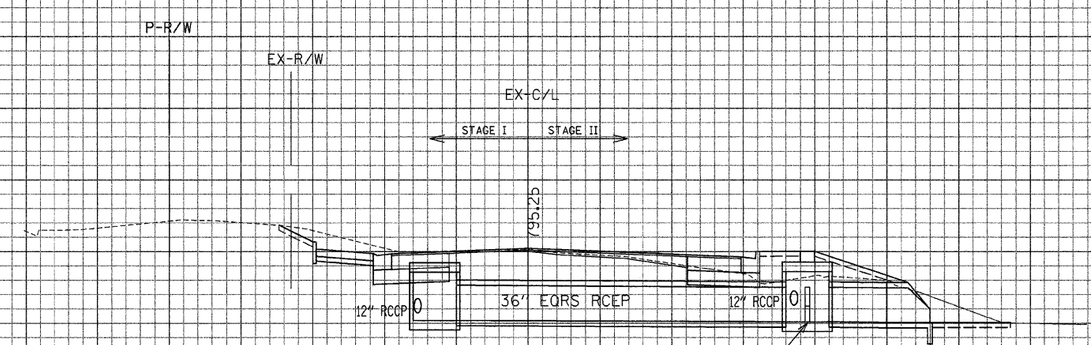
SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\2004024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_D\XSHT_D.dgn 2/28/2008 2:38:42 PM



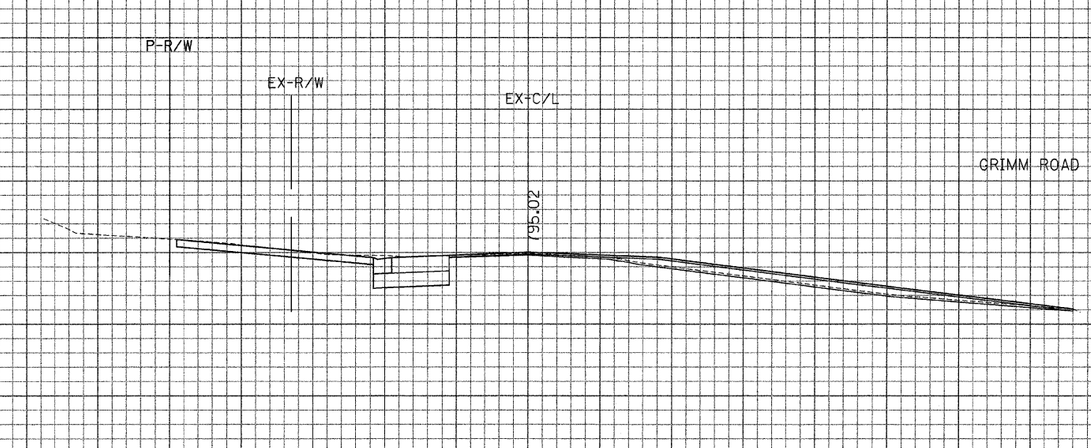


STAGE_I

TOPSOIL_EXC.(SQ._FT)	8.4
UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	29.8
EMBANKMENT(SQ._FT)	0.1
POROUS_GRANULAR_EMB(SQ._FT)	0.0

STAGE_II

TOPSOIL_EXC.(SQ._FT)	21.3
UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	89.7
EMBANKMENT(SQ._FT)	43.2
POROUS_GRANULAR_EMB(SQ._FT)	0.0



CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	•
COUNTY	LAKE
TOTAL SHEETS	554
SHEET NO.	413

FED. ROAD DIST. NO. • | ILLINOIS FED. AID PROJECT • (L-ZOV,D)x6&4 & 6 EXT) IMRS-1

STA. | TO STA.

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

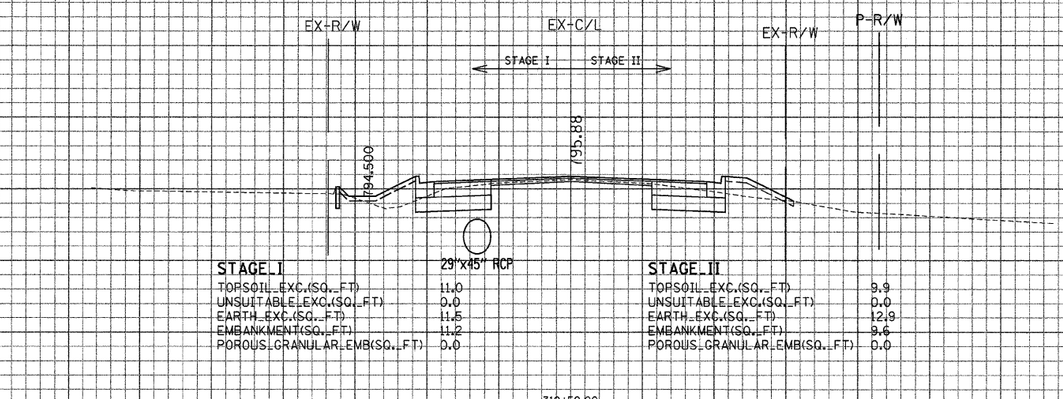
STA. 317+72.40 TO STA. 318+22.20

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\2000\024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

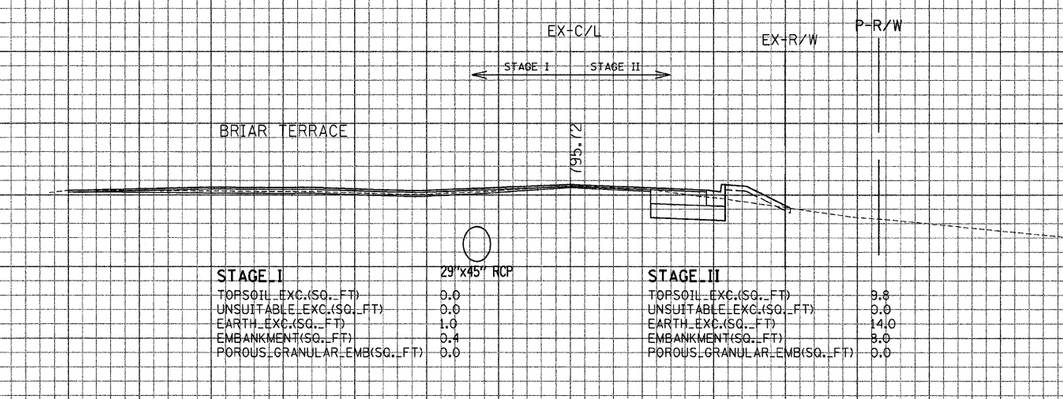
...\geo\Area_D\XSHT_D.dgn 2/28/2008 2:38:49 PM



STAGE I	
TOPSOIL EXC.(SQ. FT)	11.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	11.5
EMBANKMENT(SQ. FT)	11.2
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	9.9
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	12.9
EMBANKMENT(SQ. FT)	9.6
POROUS GRANULAR EMB(SQ. FT)	0.0

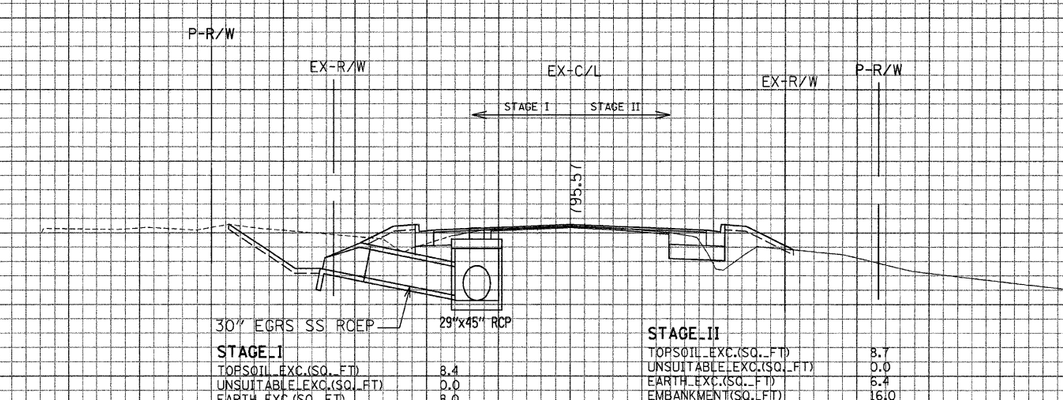
319+50.00



STAGE I	
TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	1.0
EMBANKMENT(SQ. FT)	0.4
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	9.8
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	14.0
EMBANKMENT(SQ. FT)	8.0
POROUS GRANULAR EMB(SQ. FT)	0.0

319+00.00



STAGE I	
TOPSOIL EXC.(SQ. FT)	8.4
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	8.0
EMBANKMENT(SQ. FT)	9.5
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	8.7
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.4
EMBANKMENT(SQ. FT)	16.0
POROUS GRANULAR EMB(SQ. FT)	0.0

318+50.00

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

STA. 318+50 TO STA. 319+50

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEET SHEETS NO.	554 414

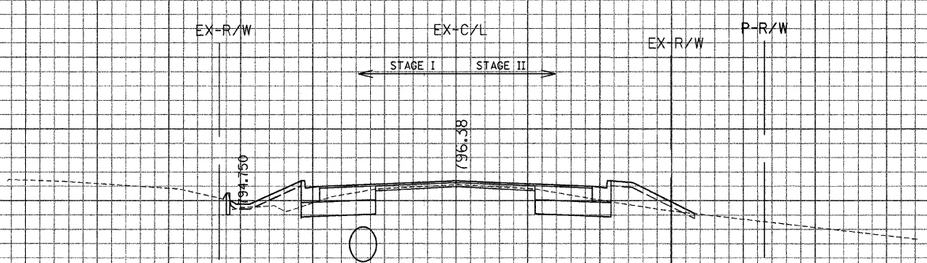
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

STA. TO STA.

* IL-20N,P,1&64 & 6 EXT) MRS-1

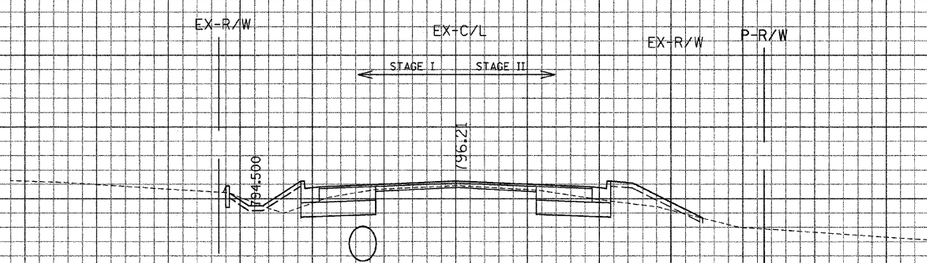
FILE: G:\20004024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_D\XSHT_D.dgn 2/28/2008 2:32:03 PM



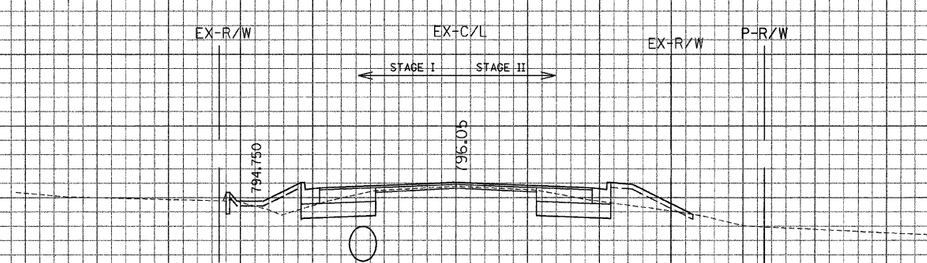
STAGE I	29"x45" RCP	STAGE II	
TOPSOIL EXC.(SQ. FT)	10.6	TOPSOIL EXC.(SQ. FT)	11.1
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	10.5	EARTH EXC.(SQ. FT)	11.3
EMBANKMENT(SQ. FT)	10.3	EMBANKMENT(SQ. FT)	13.6
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

321+00.00



STAGE I	29"x45" RCP	STAGE II	
TOPSOIL EXC.(SQ. FT)	10.6	TOPSOIL EXC.(SQ. FT)	11.6
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	10.9	EARTH EXC.(SQ. FT)	11.4
EMBANKMENT(SQ. FT)	7.3	EMBANKMENT(SQ. FT)	12.8
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

320+50.00



STAGE I	29"x45" RCP	STAGE II	
TOPSOIL EXC.(SQ. FT)	10.6	TOPSOIL EXC.(SQ. FT)	10.9
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	9.7	EARTH EXC.(SQ. FT)	11.6
EMBANKMENT(SQ. FT)	10.4	EMBANKMENT(SQ. FT)	12.5
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

320+00.00

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
866	*	LAKE	554 415

FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT

STA. TO STA.

* (L-20W,R)1&6,4 & 6 EXT) HRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

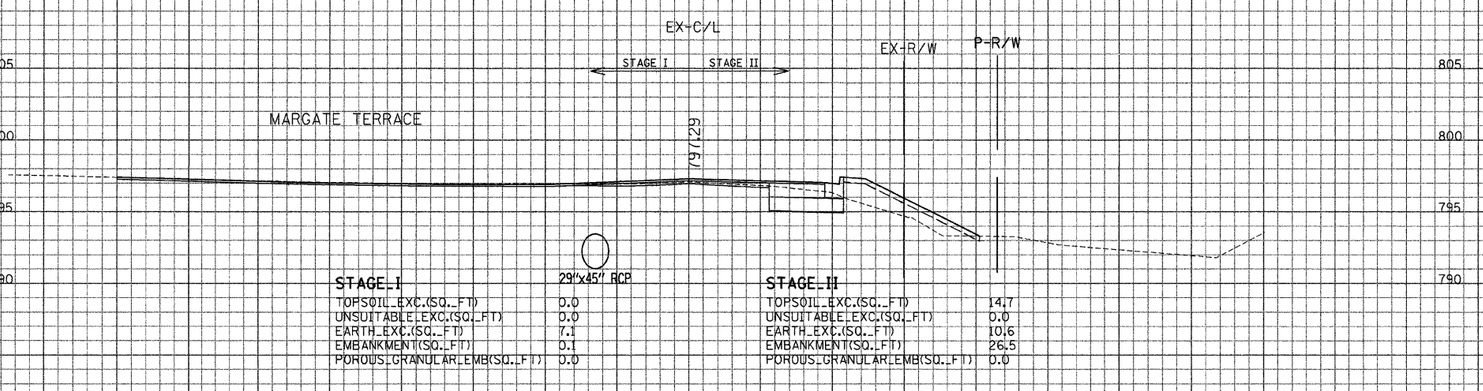
STA. 320+00 TO STA. 321+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

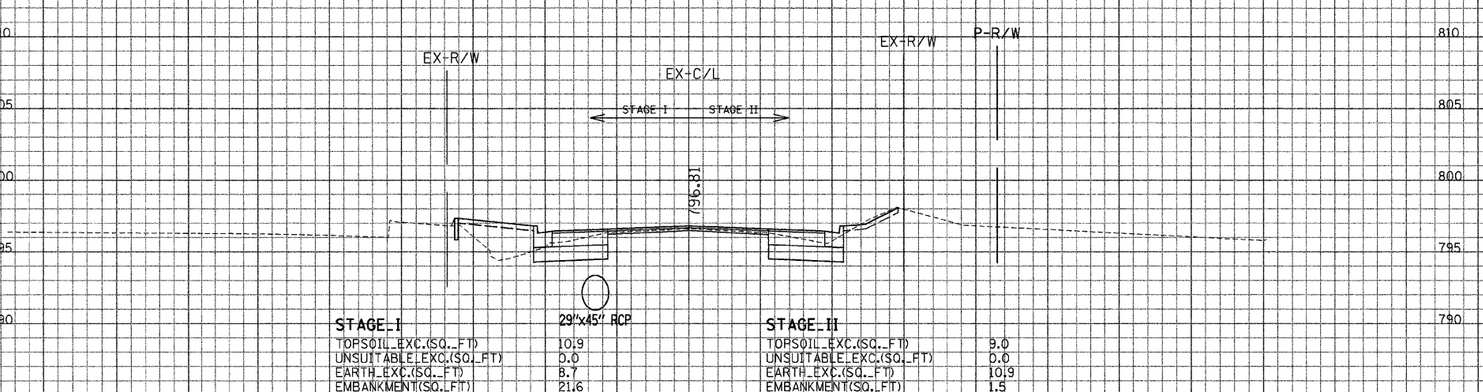
FILE: G:\Z0004024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_D\XSHT_D.dgn 2/28/2008 2:38:13 PM



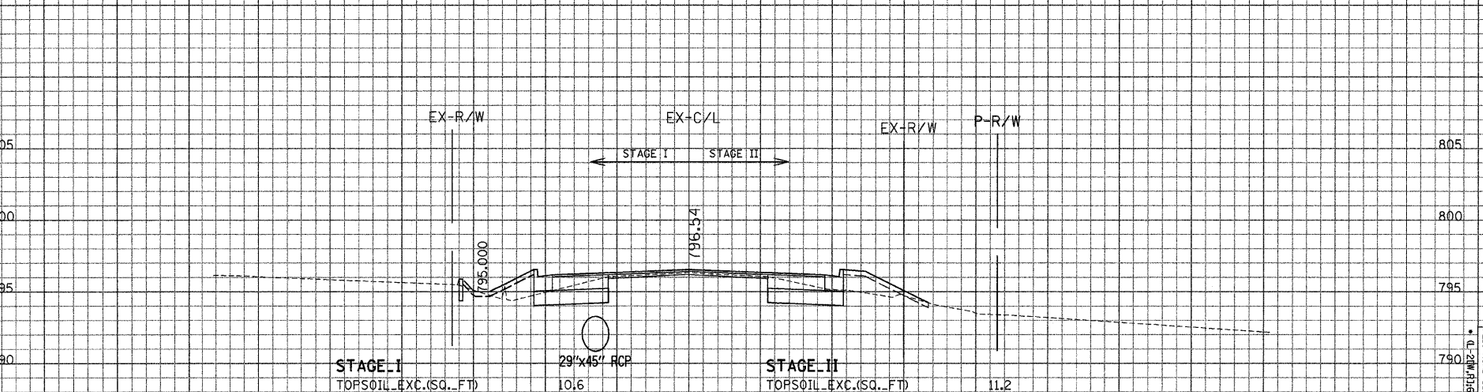
STAGE I	29"x45" RCP	STAGE II	
TOPSOIL EXC.(SQ. FT)	0.0	TOPSOIL EXC.(SQ. FT)	14.7
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	7.1	EARTH EXC.(SQ. FT)	10.6
EMBANKMENT(SQ. FT)	0.1	EMBANKMENT(SQ. FT)	26.5
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

322+50.00



STAGE I	29"x45" RCP	STAGE II	
TOPSOIL EXC.(SQ. FT)	10.9	TOPSOIL EXC.(SQ. FT)	9.0
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	8.7	EARTH EXC.(SQ. FT)	10.9
EMBANKMENT(SQ. FT)	21.6	EMBANKMENT(SQ. FT)	1.5
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

322+00.00



STAGE I	29"x45" RCP	STAGE II	
TOPSOIL EXC.(SQ. FT)	10.6	TOPSOIL EXC.(SQ. FT)	11.2
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	9.8	EARTH EXC.(SQ. FT)	11.2
EMBANKMENT(SQ. FT)	9.6	EMBANKMENT(SQ. FT)	12.3
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

321+50.00

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
866	•	LAKE	554 416

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

STA. TO STA.

• IL-20W,01b,64 & 6 EXT) MRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

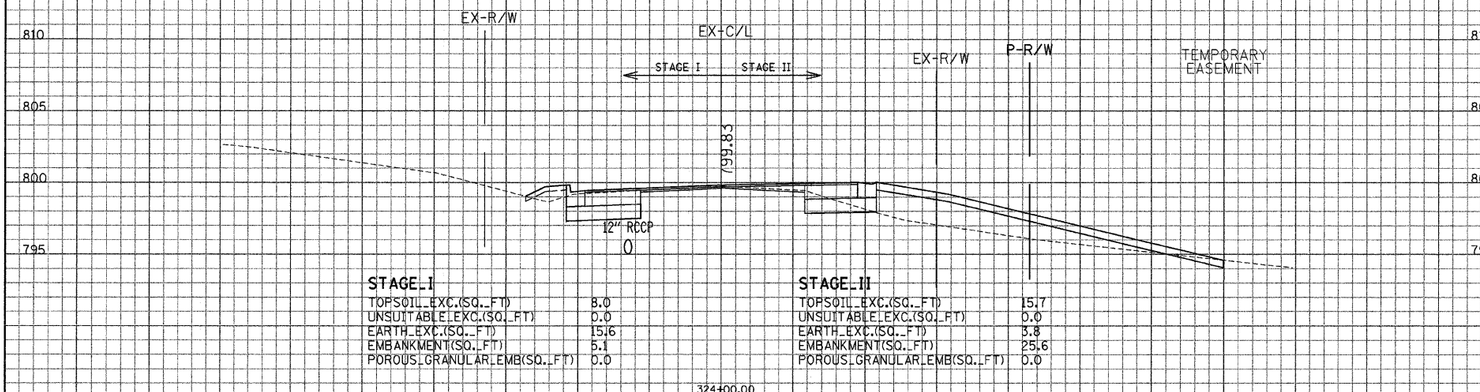
STA. 321+50 TO STA. 322+50

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

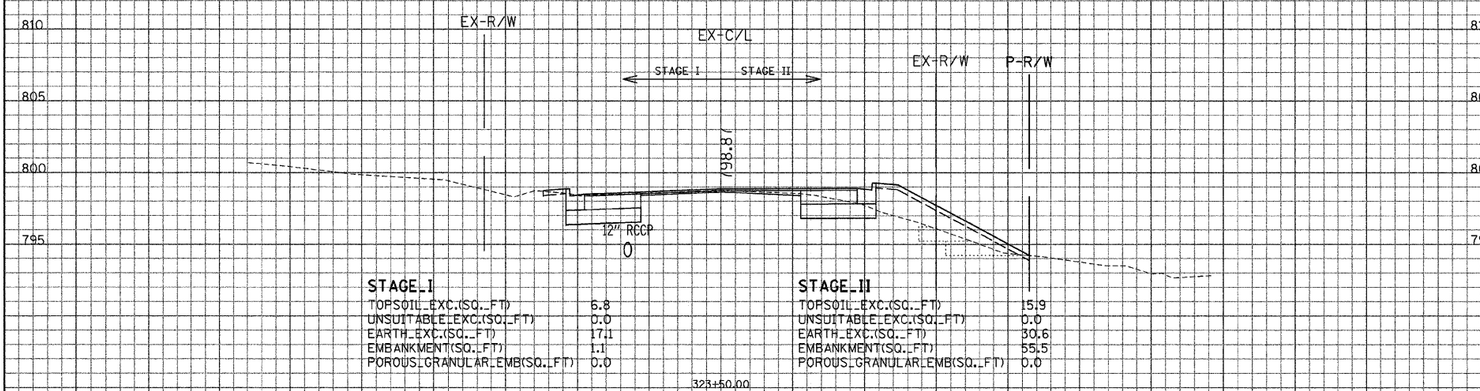
FILE: G:\2004024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_D\XSHT_D.dgn 2/28/2008 2:39:27 PM



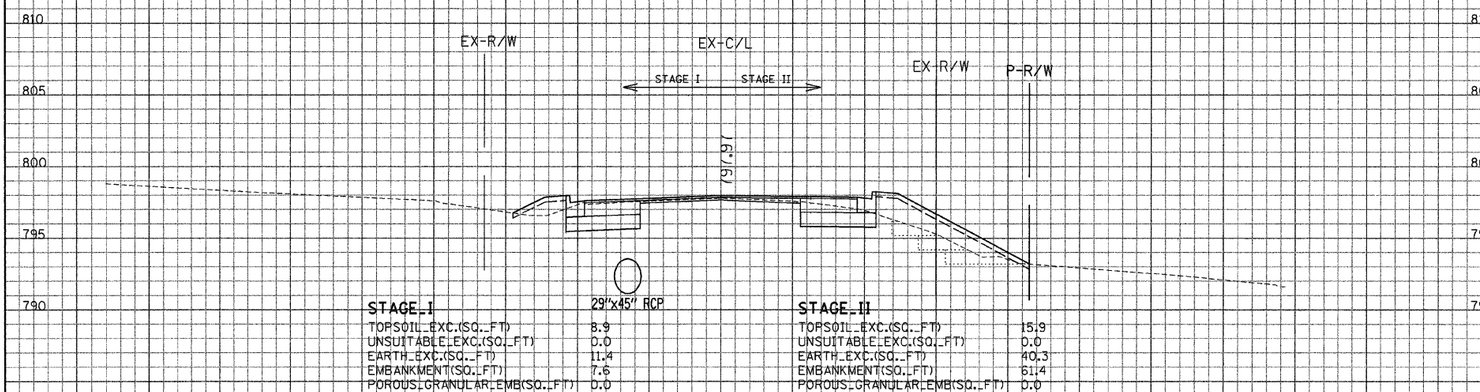
STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	8.0	TOPSOIL EXC.(SQ. FT)	15.7
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	15.6	EARTH EXC.(SQ. FT)	3.8
EMBANKMENT(SQ. FT)	5.1	EMBANKMENT(SQ. FT)	25.6
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

324+00.00



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	6.8	TOPSOIL EXC.(SQ. FT)	15.9
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	17.1	EARTH EXC.(SQ. FT)	30.6
EMBANKMENT(SQ. FT)	1.1	EMBANKMENT(SQ. FT)	55.5
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

323+50.00



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	8.9	TOPSOIL EXC.(SQ. FT)	15.9
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	11.4	EARTH EXC.(SQ. FT)	40.3
EMBANKMENT(SQ. FT)	7.6	EMBANKMENT(SQ. FT)	61.4
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

323+00.00

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEETS	554
SHEET NO.	417

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

STA. TO STA.

* (L-2(M,D)3&64 & 6 EXT) MRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

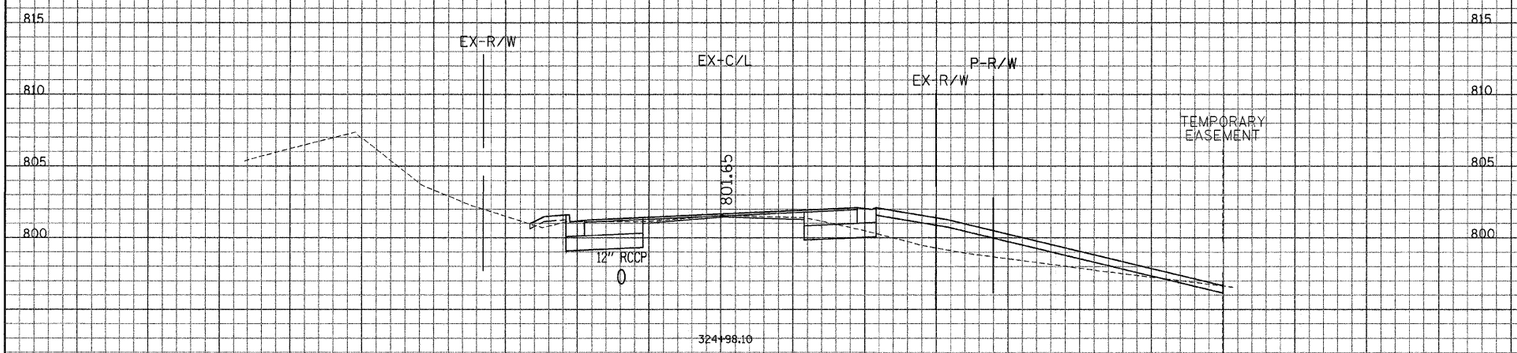
STA. 323+00 TO STA. 324+00

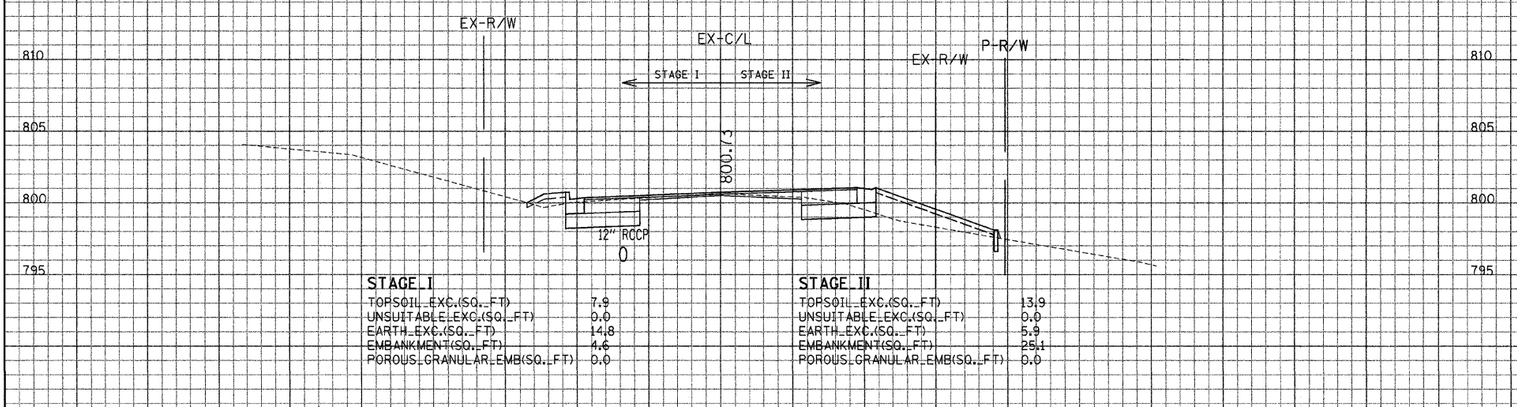
SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\2000\4024_N\geo\Area_D\XSHT_D.dgn
DATE: 05-Jan-04 13:14

...\geo\Area_D\XSHT_D.dgn 2/28/2008 2:39:43 PM



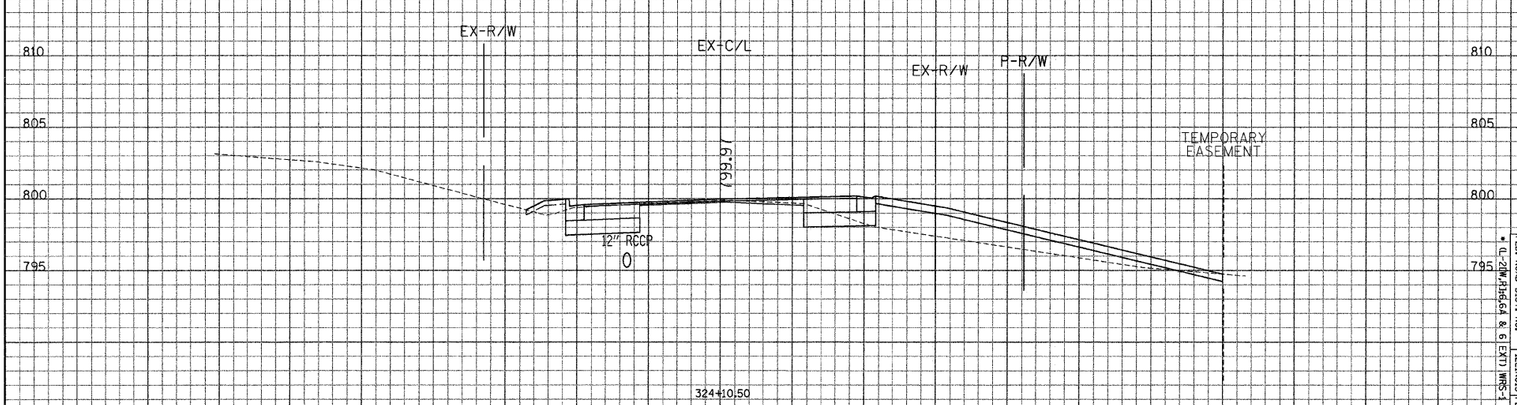


STAGE I

TOPSOIL EXC.(SQ. FT)	7.9
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	14.8
EMBANKMENT(SQ. FT)	4.6
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	13.9
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.9
EMBANKMENT(SQ. FT)	25.1
POROUS GRANULAR EMB(SQ. FT)	0.0



GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

STA. 324+10.50 TO STA. 324+98.10

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	•	LAKE	554	418

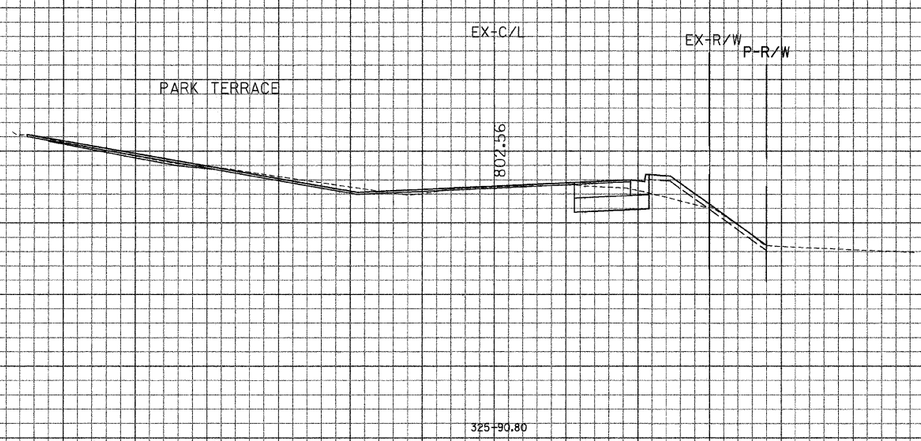
FED. ROAD DIST. NO. ILLINOIS | FED. AID PROJECT

STA. TO STA.

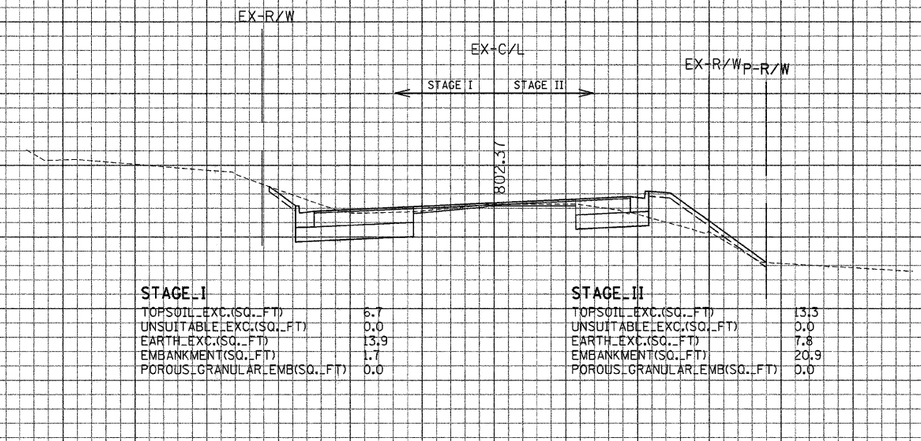
• IL-28W,3b5.64 & 6 EXT) MRS-1

FILE: C:\2000\4024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_D\XSHT_D.dgn 2/26/2008 2:38:52 PM



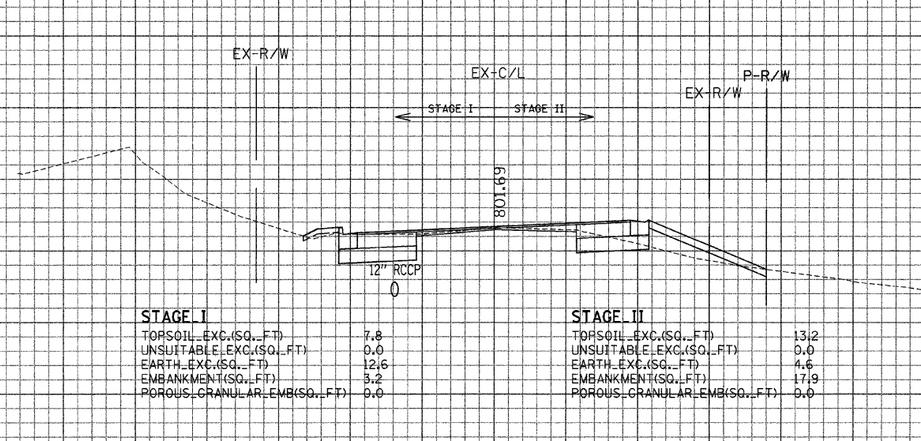
325+90.80



STAGE I	
TOPSOIL EXC.(SQ. FT)	6.7
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	13.9
EMBANKMENT(SQ. FT)	1.7
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	13.3
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	7.8
EMBANKMENT(SQ. FT)	20.9
POROUS GRANULAR EMB(SQ. FT)	0.0

325+50.00



STAGE I	
TOPSOIL EXC.(SQ. FT)	7.8
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	12.6
EMBANKMENT(SQ. FT)	3.2
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	13.2
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	4.6
EMBANKMENT(SQ. FT)	17.9
POROUS GRANULAR EMB(SQ. FT)	0.0

325+00.00

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	*	LAKE	554	419

FED. ROAD DIST. NO. | STA. | TO STA. | ILLINOIS FED. AID PROJECT

* (L-2)M,3)6.64 & 6 EXT) MRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

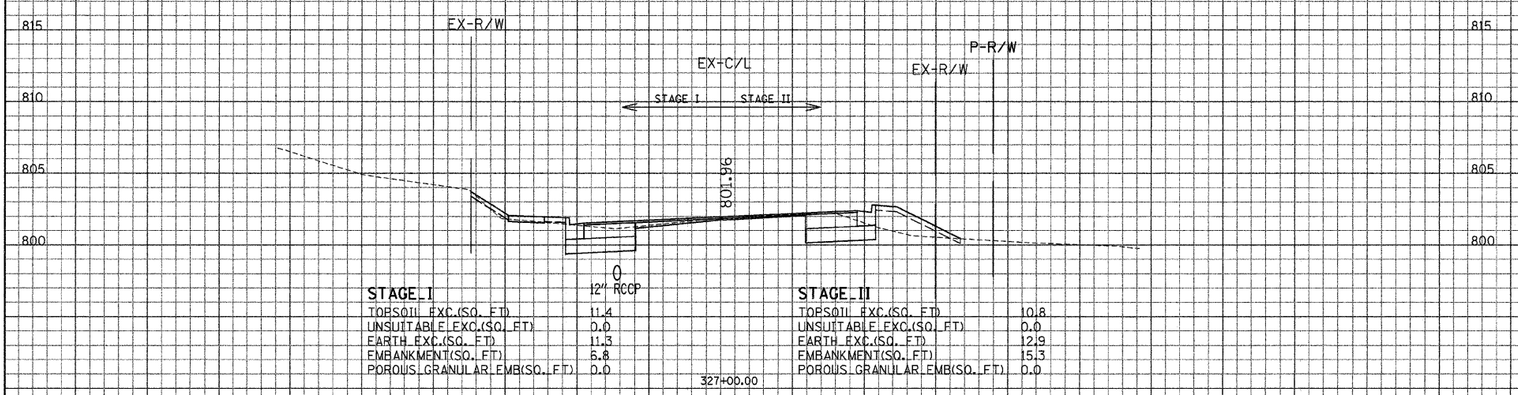
STA. 325+00 TO STA. 325+90.80

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

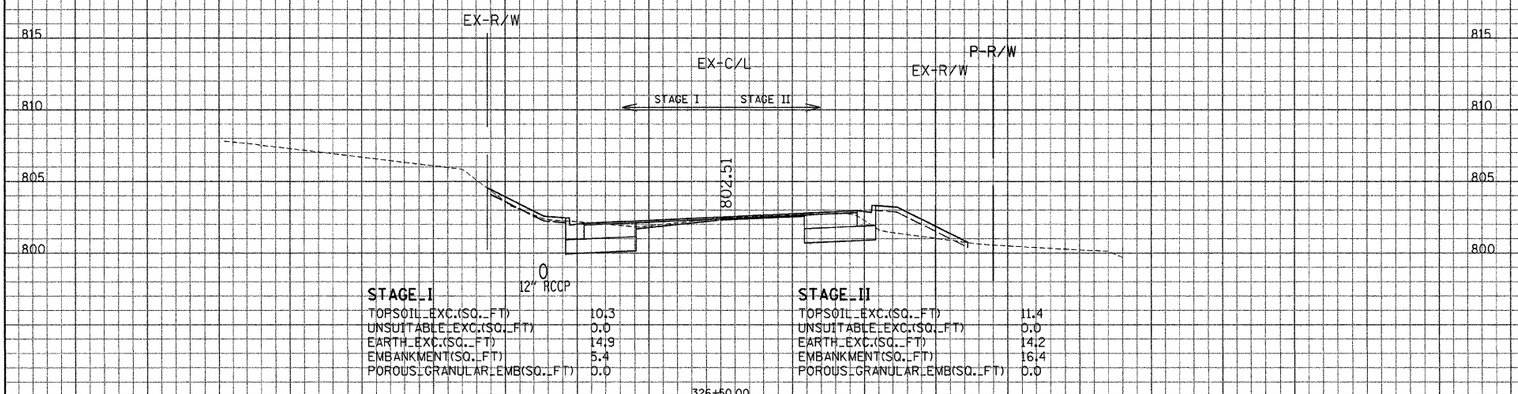
FILE: G:\2000402A_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_D\XSHT_D.dgn 2/28/2008 2:40:08 PM



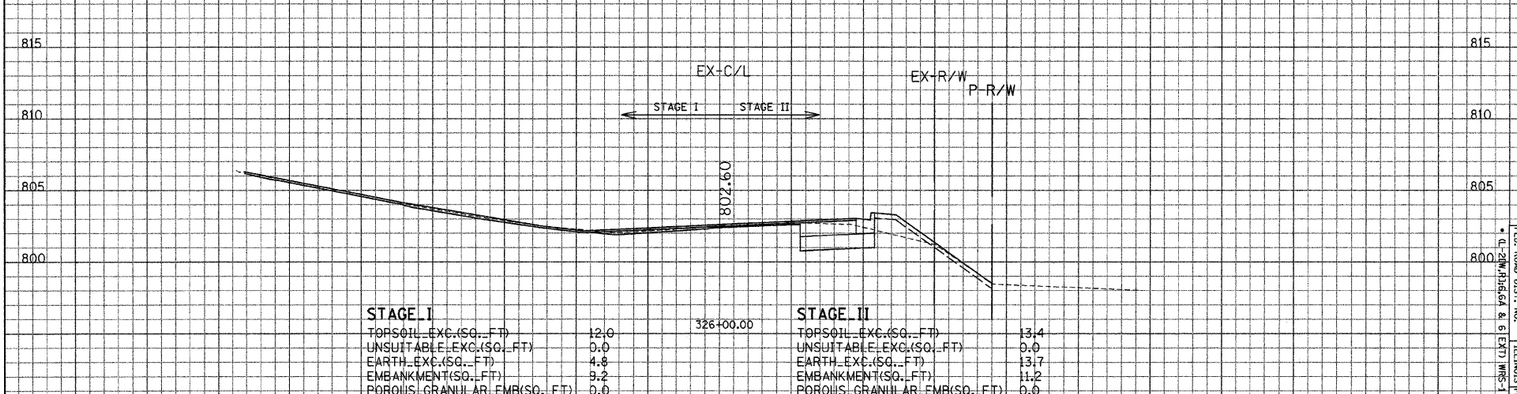
STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	11.4	TOPSOIL EXC.(SQ. FT)	10.8
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	11.3	EARTH EXC.(SQ. FT)	12.9
EMBANKMENT(SQ. FT)	6.8	EMBANKMENT(SQ. FT)	15.3
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

327+00.00



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	10.3	TOPSOIL EXC.(SQ. FT)	11.4
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	14.9	EARTH EXC.(SQ. FT)	14.2
EMBANKMENT(SQ. FT)	5.4	EMBANKMENT(SQ. FT)	16.4
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

326+50.00



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	12.0	TOPSOIL EXC.(SQ. FT)	13.4
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	4.8	EARTH EXC.(SQ. FT)	13.7
EMBANKMENT(SQ. FT)	9.2	EMBANKMENT(SQ. FT)	11.2
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

326+00.00

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	*	LAKE	554	420

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

STA. TO STA.

* (L-20W,R3&6A & 6 EXT) IMRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

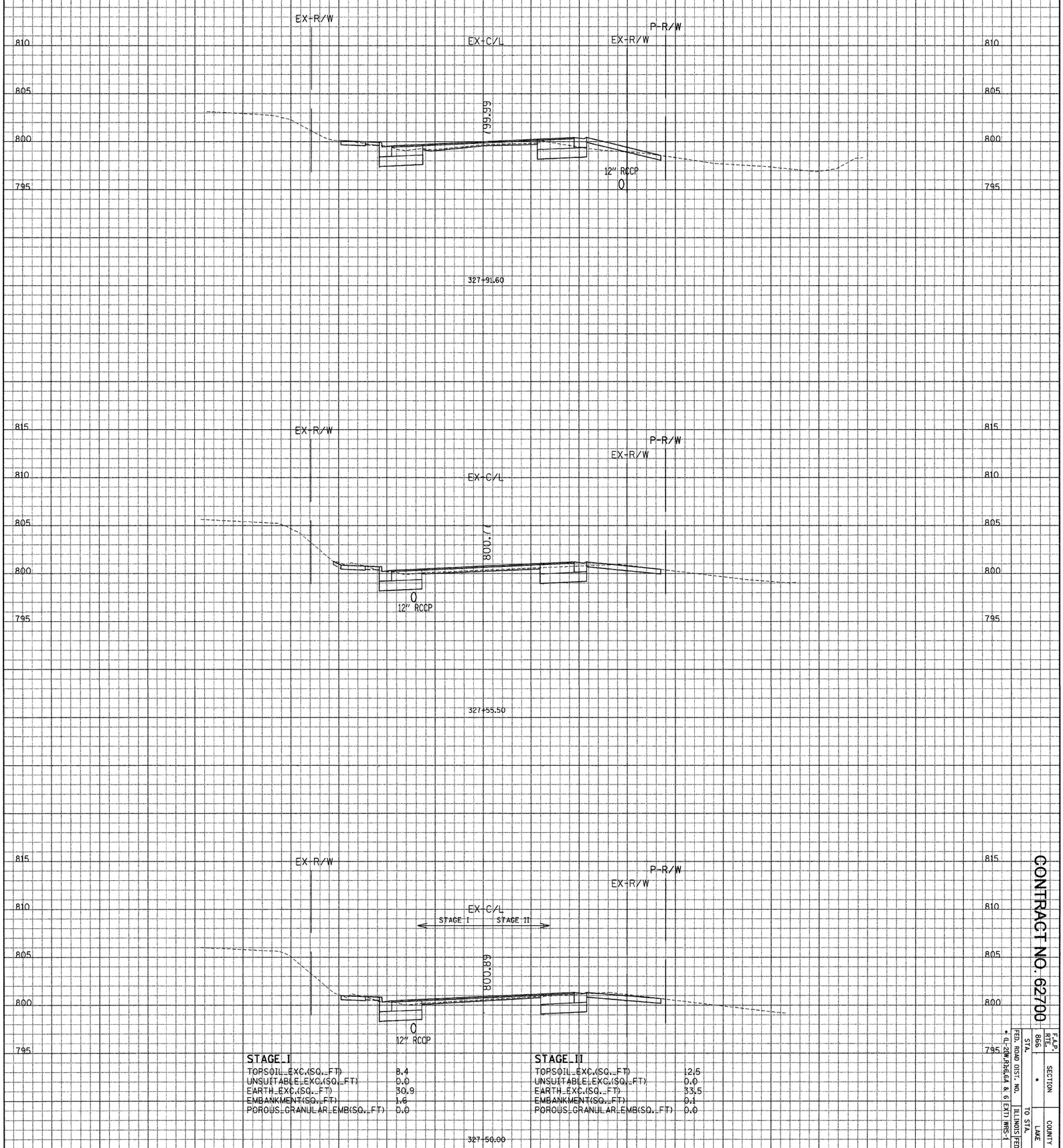
STA. 326+00 TO STA. 327+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\20004024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_D\XSHT_D.dgn 2/28/2008 2:40:17 PM



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	8.4	TOPSOIL EXC.(SQ. FT)	12.5
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	30.9	EARTH EXC.(SQ. FT)	33.5
EMBANKMENT(SQ. FT)	1.6	EMBANKMENT(SQ. FT)	0.1
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEETS	554
SHEET NO.	421

FED. ROAD DIST. NO. * (L-20M,R3&6A & 6 EXT) ILLINOIS FED. AID PROJECT

STA. TO STA. ILLINOIS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

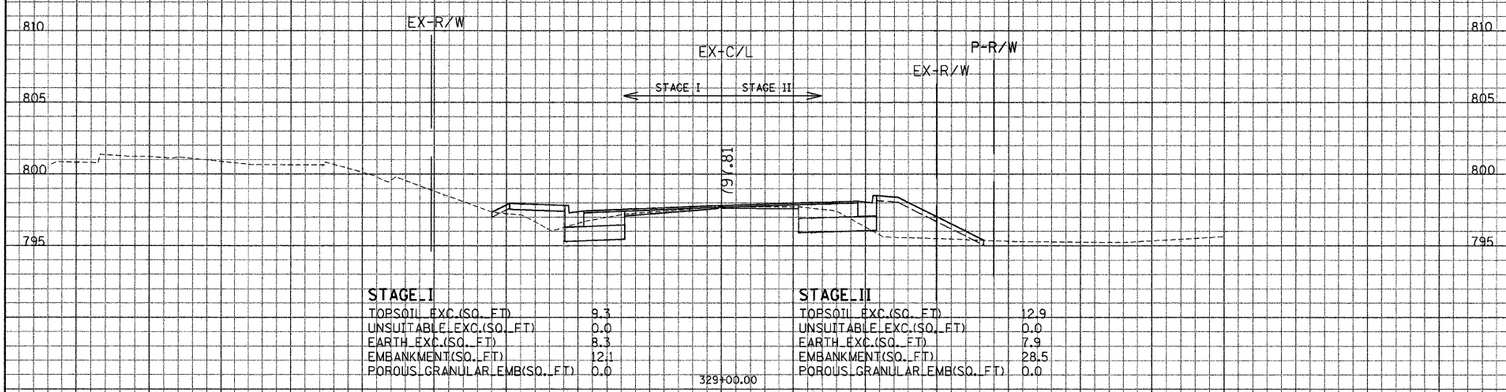
STA. 327+50 TO STA. 327+91.60

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

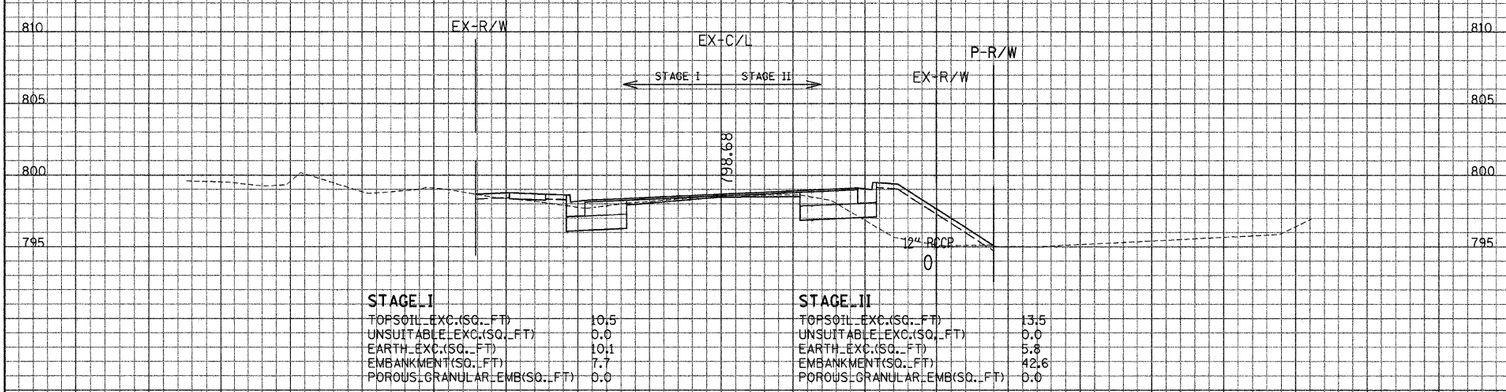
FILE: G:\20020024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_D\XSHT_D.dgn 2/28/2005 2:40:42 PM



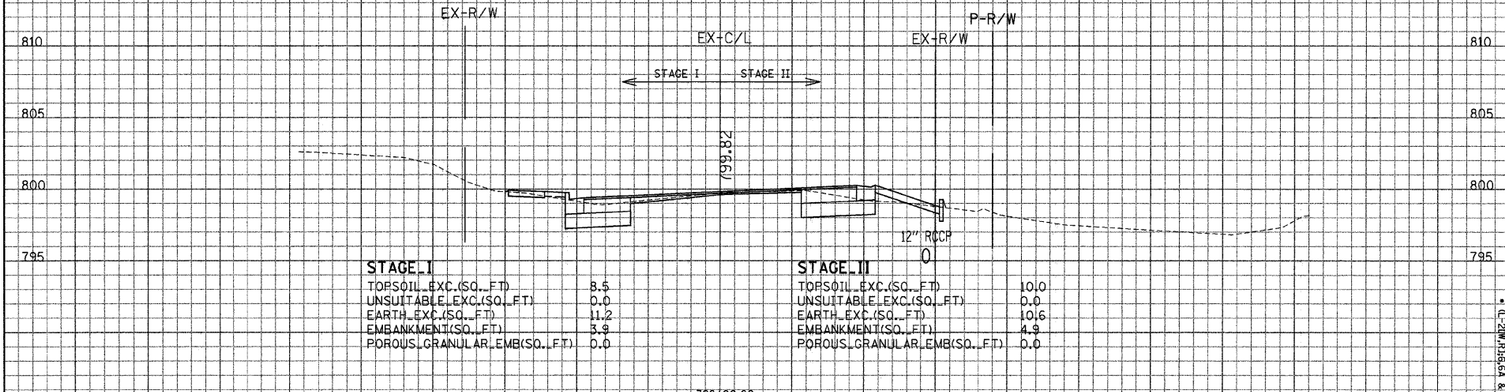
STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	8.3	TOPSOIL EXC.(SQ. FT)	12.9
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	8.3	EARTH EXC.(SQ. FT)	7.9
EMBANKMENT(SQ. FT)	12.1	EMBANKMENT(SQ. FT)	28.5
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

329+00.00



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	10.5	TOPSOIL EXC.(SQ. FT)	13.5
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	10.1	EARTH EXC.(SQ. FT)	5.8
EMBANKMENT(SQ. FT)	7.7	EMBANKMENT(SQ. FT)	42.6
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

328+50.00



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	8.5	TOPSOIL EXC.(SQ. FT)	10.0
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	11.2	EARTH EXC.(SQ. FT)	10.6
EMBANKMENT(SQ. FT)	3.9	EMBANKMENT(SQ. FT)	4.9
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

328+00.00

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET
866	•	LAKE	554
FED. ROAD DIST. NO.	STA.	TO STA.	SHEET NO.
ILLINOIS FED. AID PROJECT			422

• IL-20M,D,3,5,6A & 6 EXT) MRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

GRAEF ANHALT SCHLOEMER and Associates P.C.

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

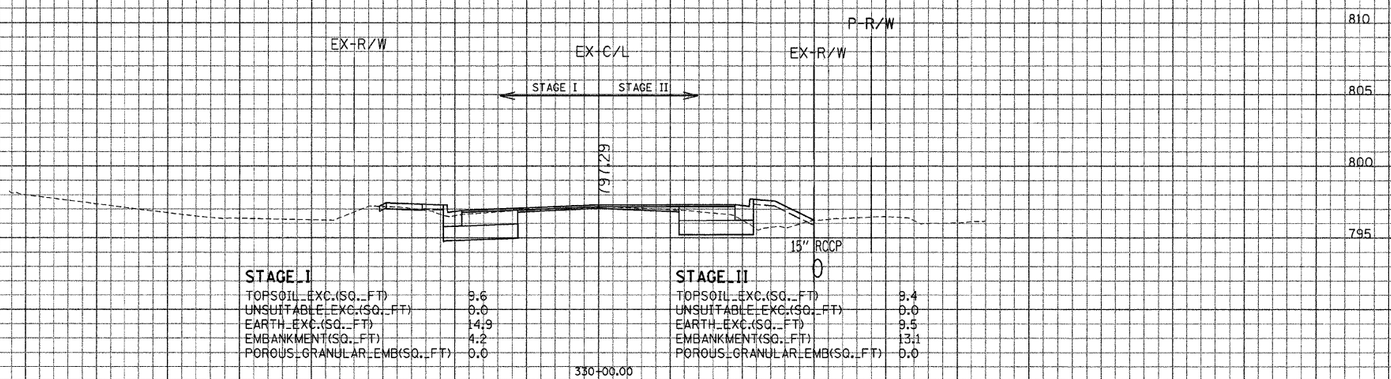
STA. 328+00 TO STA. 329+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\Z0004024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_D\XSHT_D.dgn 2/26/2008 2:40:50 PM



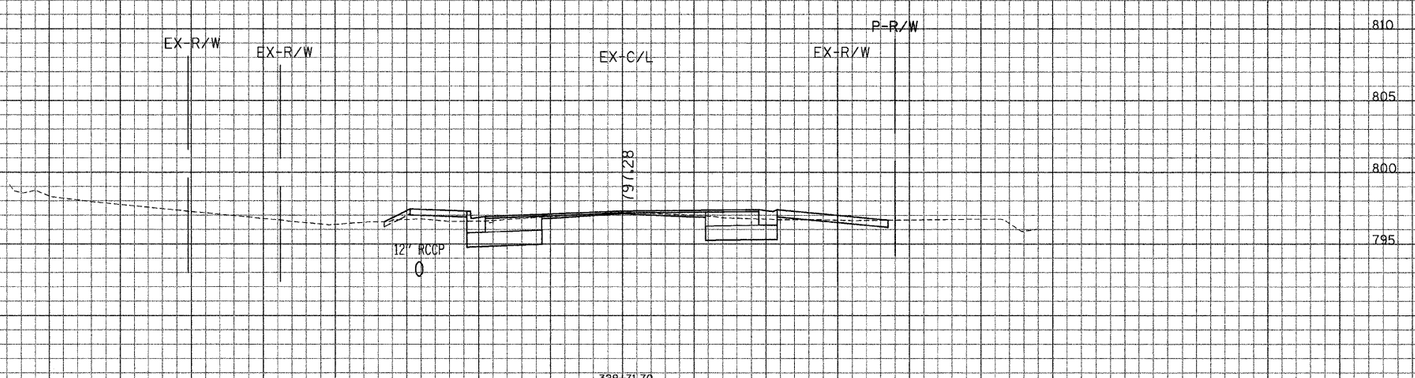
STAGE I

TOPSOIL EXC.(SQ. FT)	9.6
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	14.9
EMBANKMENT(SQ. FT)	4.2
POROUS GRANULAR EMB(SQ. FT)	0.0

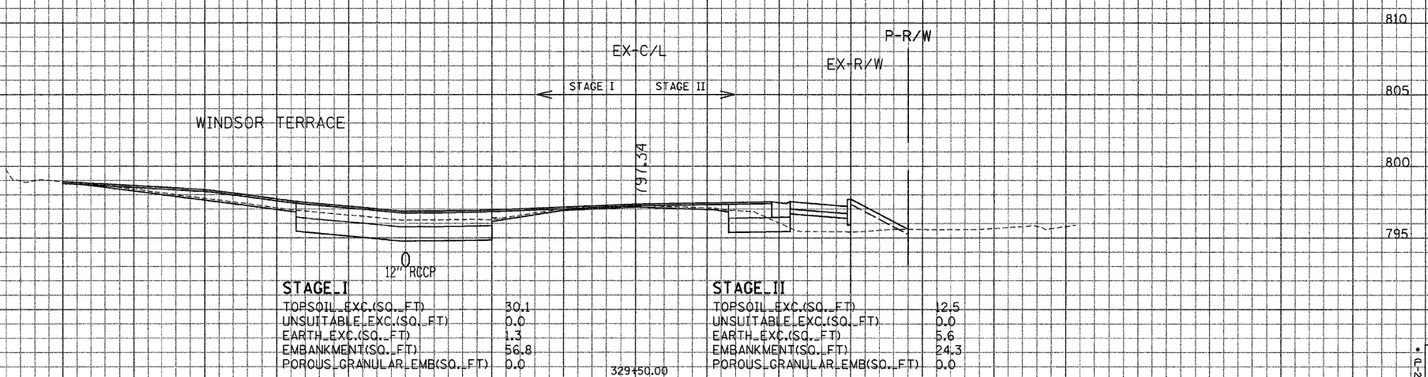
STAGE II

TOPSOIL EXC.(SQ. FT)	9.4
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	9.5
EMBANKMENT(SQ. FT)	13.1
POROUS GRANULAR EMB(SQ. FT)	0.0

330+00.00



329+71.70



STAGE I

TOPSOIL EXC.(SQ. FT)	30.1
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	1.3
EMBANKMENT(SQ. FT)	56.8
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	12.5
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.6
EMBANKMENT(SQ. FT)	24.3
POROUS GRANULAR EMB(SQ. FT)	0.0

329+50.00

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	•
COUNTY	LAKE
TOTAL SHEETS	554
SHEET NO.	423

FED. ROAD DIST. NO. • ILLINOIS FED. AID PROJECT

STA. • TO STA. • (L-28W,3b&6A & 6 EXT) WRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

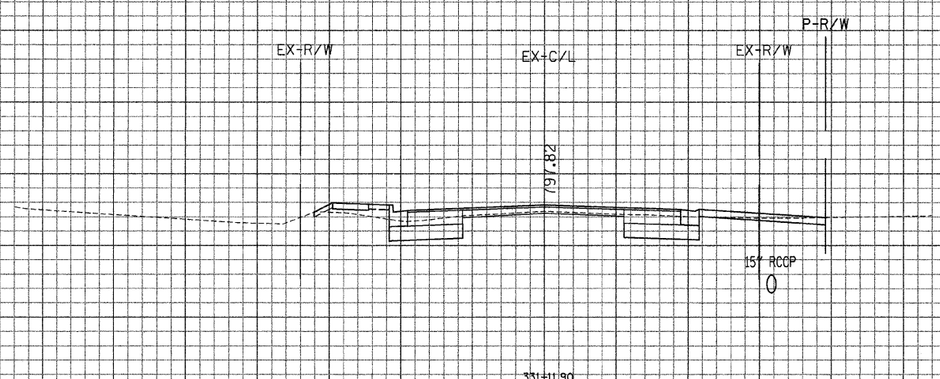
STA. 329+50 TO STA. 330+00

SCALE: HORIZ. 1" = 10'

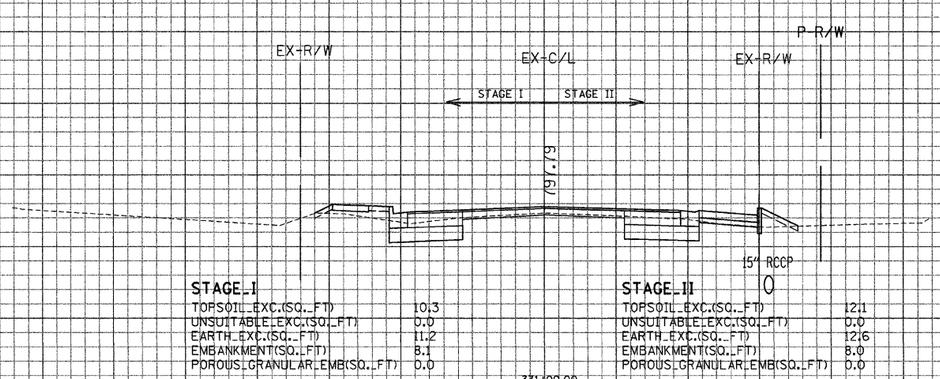
VERT. 1" = 5'

FILE: G:\2020\024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-24 13:14

...\geo\Area_D\XSHT_D.dgn 2/28/2008 2:41:03 PM

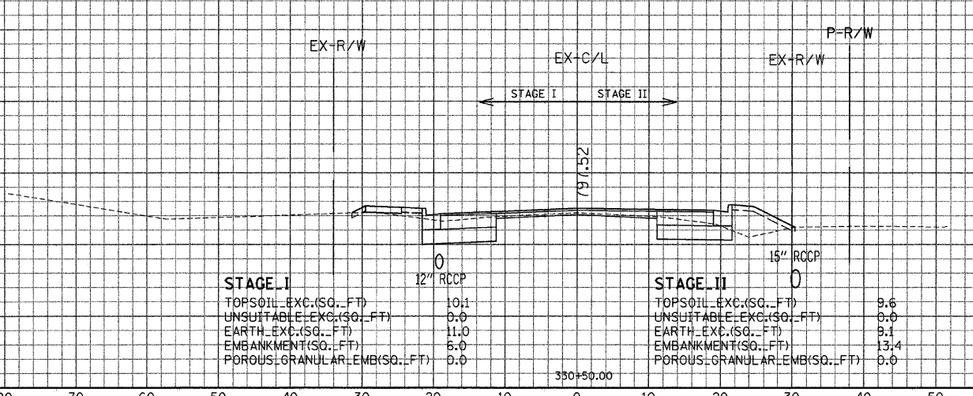


331+11.90



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	10.3	TOPSOIL EXC.(SQ. FT)	12.1
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	11.2	EARTH EXC.(SQ. FT)	12.6
EMBANKMENT(SQ. FT)	8.1	EMBANKMENT(SQ. FT)	8.0
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

331+00.00



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	10.1	TOPSOIL EXC.(SQ. FT)	9.6
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	11.0	EARTH EXC.(SQ. FT)	9.1
EMBANKMENT(SQ. FT)	6.0	EMBANKMENT(SQ. FT)	13.4
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

330+50.00

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEET SHEETS NO.	554 424

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

STA. | TO STA.

* (L-20W,D3+6.64 & 6 EXT) MRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

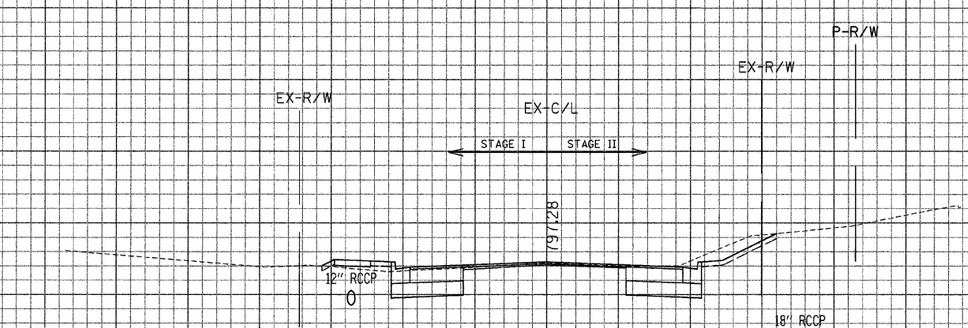
STA. 330+50 TO STA. 331+11.90

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\2000\024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

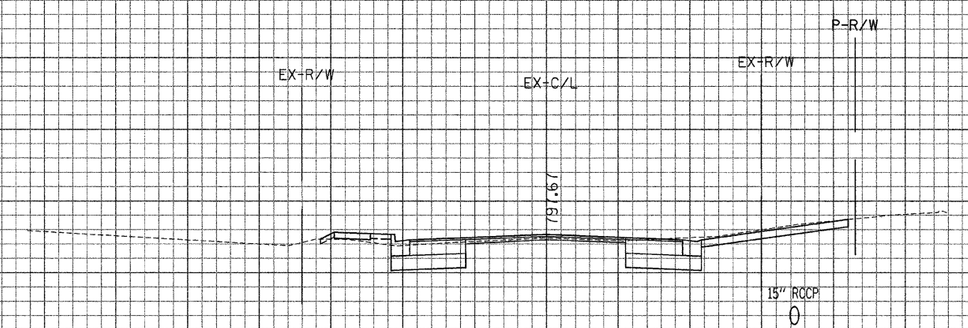
...\geo\Area_D\XSHT_D.dgn 2/28/2008 2:41:12 PM



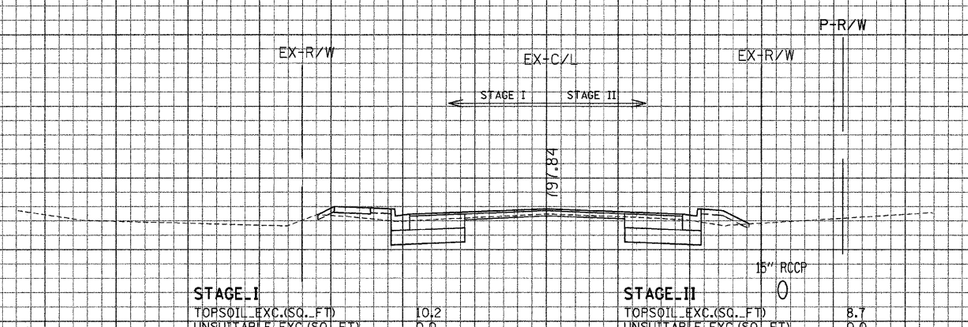
STAGE I	
TOPSOIL EXC.(SQ. FT)	9.8
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	14.6
EMBANKMENT(SQ. FT)	6.5
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	10.5
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	24.4
EMBANKMENT(SQ. FT)	0.1
POROUS GRANULAR EMB(SQ. FT)	0.0

332+50.00



331+99.90



STAGE I	
TOPSOIL EXC.(SQ. FT)	10.2
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	13.9
EMBANKMENT(SQ. FT)	7.7
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	8.7
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	15.4
EMBANKMENT(SQ. FT)	6.0
POROUS GRANULAR EMB(SQ. FT)	0.0

331+50.00

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEETS	554
SHEET NO.	425

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
STA. TO STA.
* (L-20M,31&64 & 6 EXT) MRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

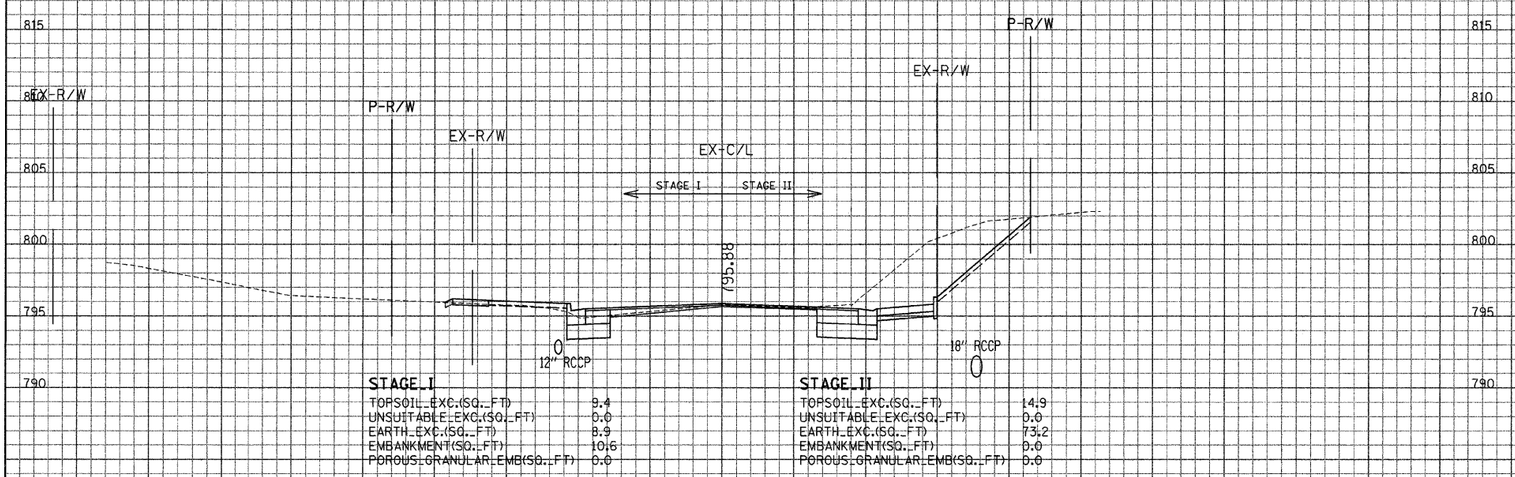
STA. 331+50 TO STA. 332+50

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\Z0004024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_D\XSHT_D.dgn 2/28/2008 2:41:26 PM



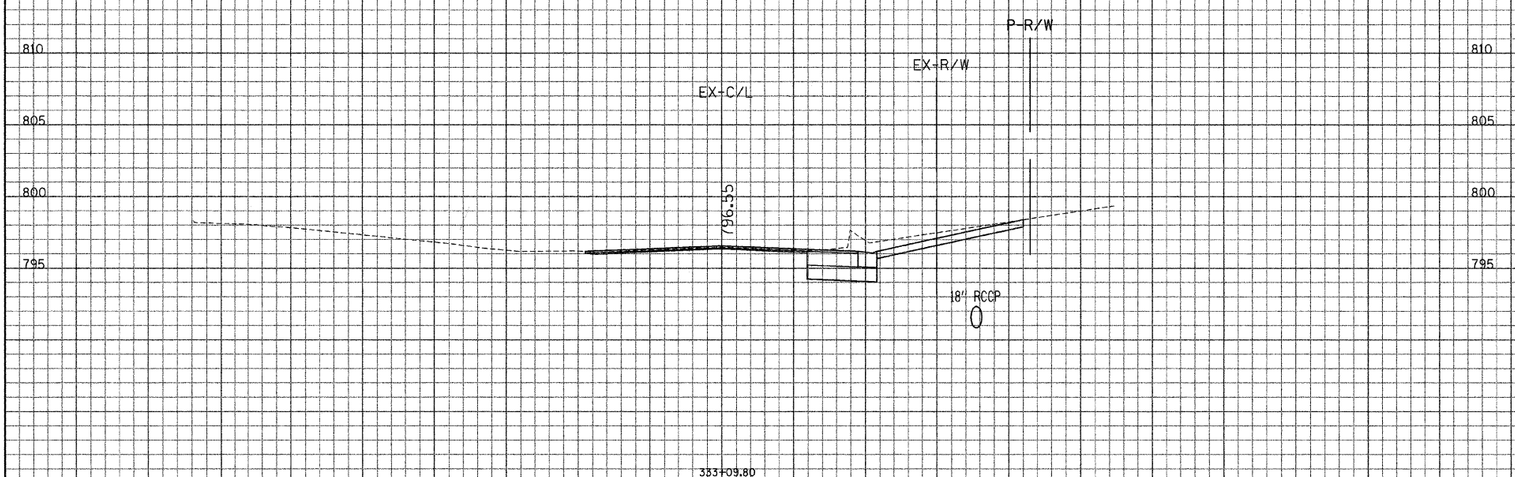
STAGE I

TOPSOIL EXC.(SQ. FT)	9.4
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	8.9
EMBANKMENT(SQ. FT)	10.6
POROUS GRANULAR EMB(SQ. FT)	0.0

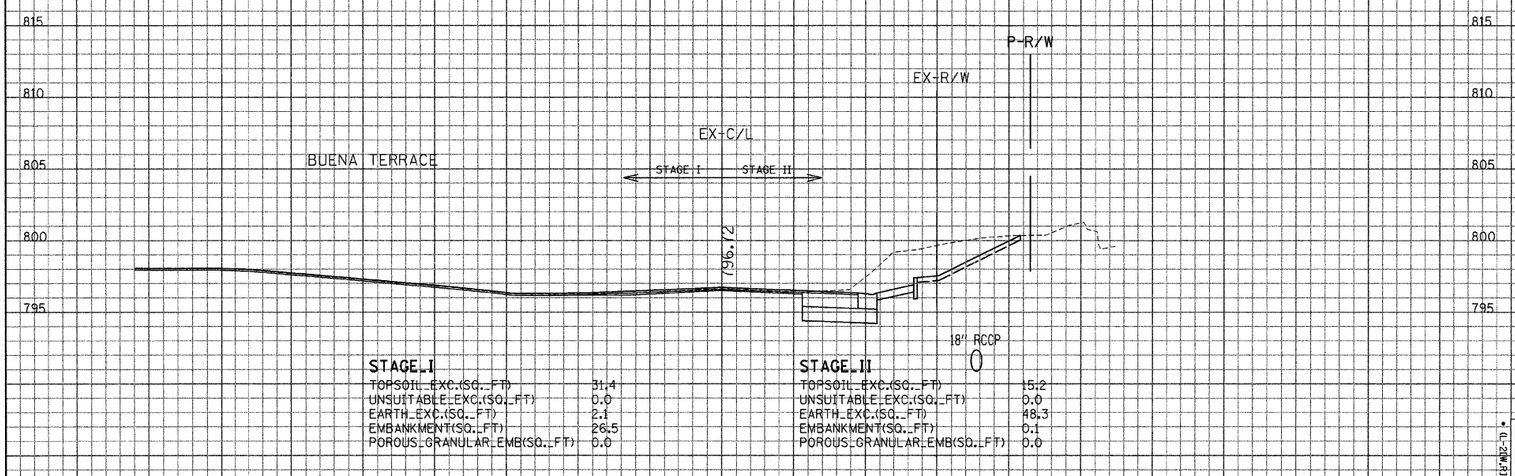
STAGE II

TOPSOIL EXC.(SQ. FT)	14.9
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	73.2
EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0

333+50.00



333+09.80



STAGE I

TOPSOIL EXC.(SQ. FT)	31.4
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	2.1
EMBANKMENT(SQ. FT)	26.5
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	15.2
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	48.3
EMBANKMENT(SQ. FT)	0.1
POROUS GRANULAR EMB(SD. FT)	0.0

333+00.00

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEETS NO.	554
SHEET NO.	426

FED. ROAD DIST. NO. * (L-20W,31&64 & 6 EXT) | ILLINOIS FED. AID PROJECT | STA. | TO STA.

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

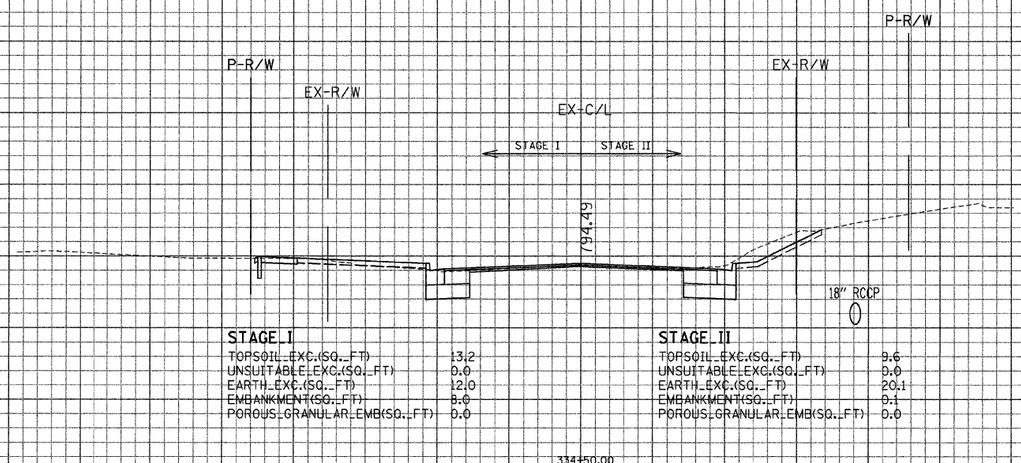
STA. 333+00 TO STA. 333+50

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\20040024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_D\XSHT_D.dgn 2/28/2008 2:41:34 PM



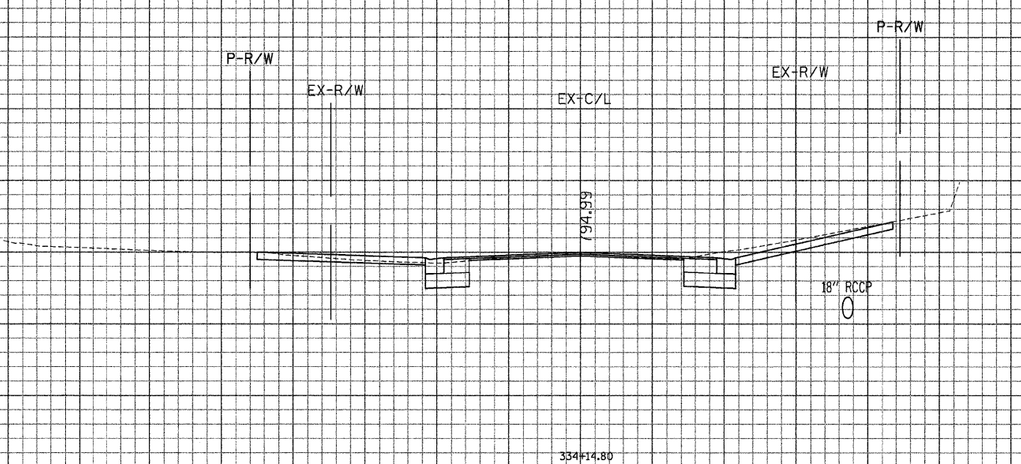
STAGE I

TOPSOIL EXC.(SQ. FT)	13.2
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	12.0
EMBANKMENT(SQ. FT)	8.0
POROUS GRANULAR EMB(SQ. FT)	0.0

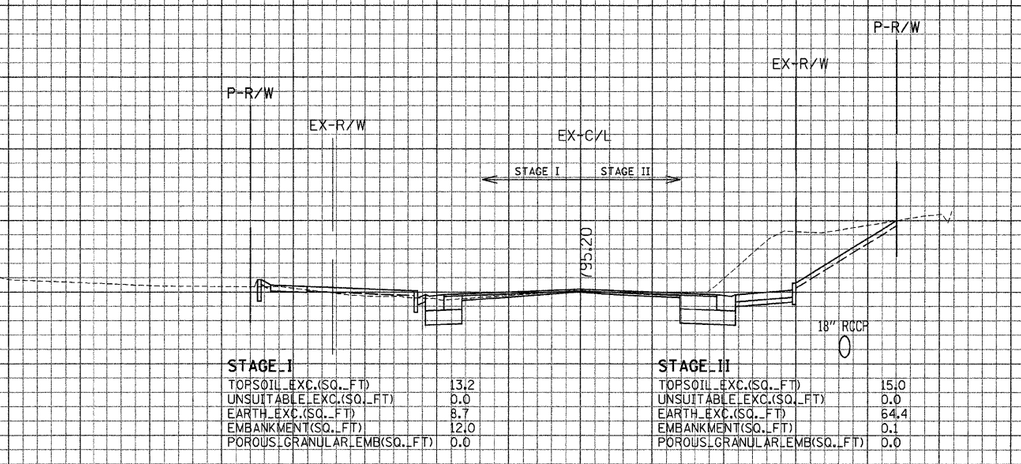
STAGE II

TOPSOIL EXC.(SQ. FT)	9.6
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	20.1
EMBANKMENT(SQ. FT)	0.1
POROUS GRANULAR EMB(SQ. FT)	0.0

334+50.00



334+14.80



STAGE I

TOPSOIL EXC.(SQ. FT)	13.2
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	8.7
EMBANKMENT(SQ. FT)	12.0
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	15.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	64.4
EMBANKMENT(SQ. FT)	0.1
POROUS GRANULAR EMB(SQ. FT)	0.0

334+00.00

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

STA. 334+00 TO STA. 234+50

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

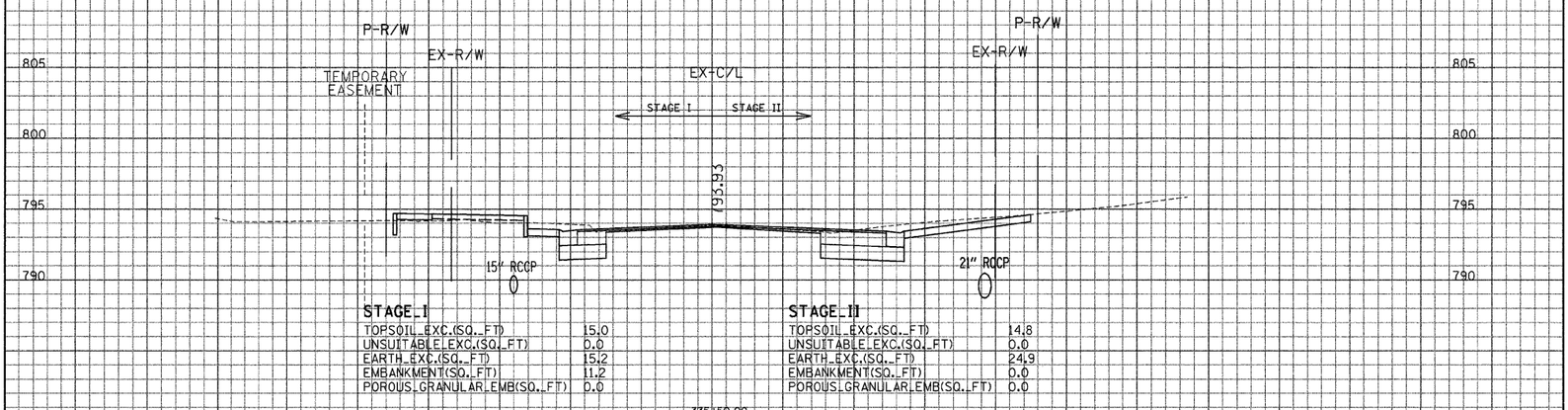
CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
866	•	LAKE	554
STA.		TO STA.	SHEET NO.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		427

* (L-20M,P3&6A & 6 EXT) MRS-1

FILE: G:\2000\024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

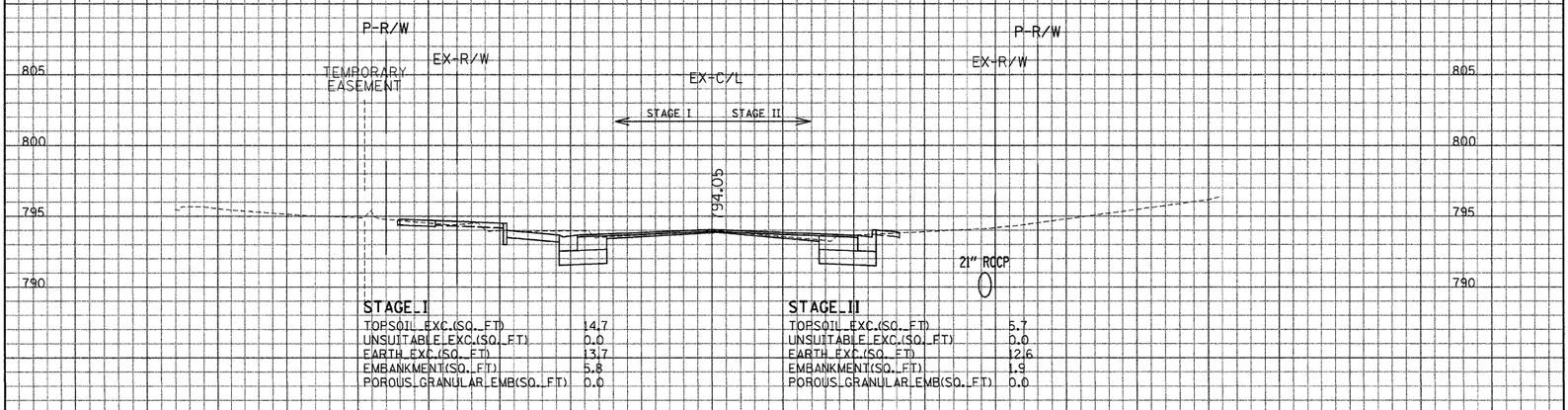
...\geo\Area_D\XSHT_D.dgn 2/28/2008 2:41:47 PM



STAGE_I	
TOPSOIL_EXC.(SQ._FT)	15.0
UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	15.2
EMBANKMENT(SQ._FT)	11.2
POROUS_GRANULAR_EMB(SQ._FT)	0.0

STAGE_II	
TOPSOIL_EXC.(SQ._FT)	14.8
UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	24.9
EMBANKMENT(SQ._FT)	0.0
POROUS_GRANULAR_EMB(SQ._FT)	0.0

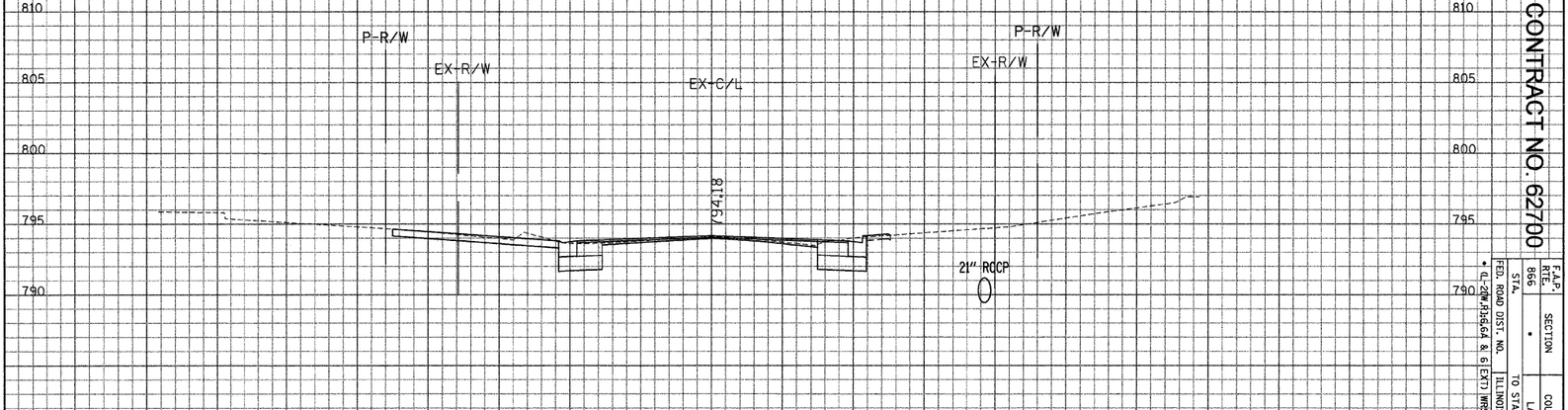
335+50.00



STAGE_I	
TOPSOIL_EXC.(SQ._FT)	14.7
UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	13.7
EMBANKMENT(SQ._FT)	5.8
POROUS_GRANULAR_EMB(SQ._FT)	0.0

STAGE_II	
TOPSOIL_EXC.(SQ._FT)	5.7
UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	12.6
EMBANKMENT(SQ._FT)	1.9
POROUS_GRANULAR_EMB(SQ._FT)	0.0

335+00.00



334+84.00

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
866	*	LAKE	554 428

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

STA. | TO STA.

* (L-20M,D,3&6A & 6 EXT) MRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

GRAEF ANHALT SCHLOEMER and Associates Inc.

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

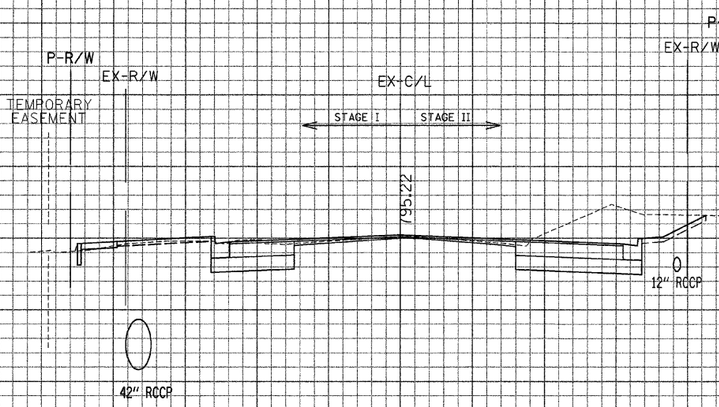
STA. 334+84 TO STA. 335+50

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\2000\024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_D\XSHT_D.dgn 2/28/2008 2:41:55 PM



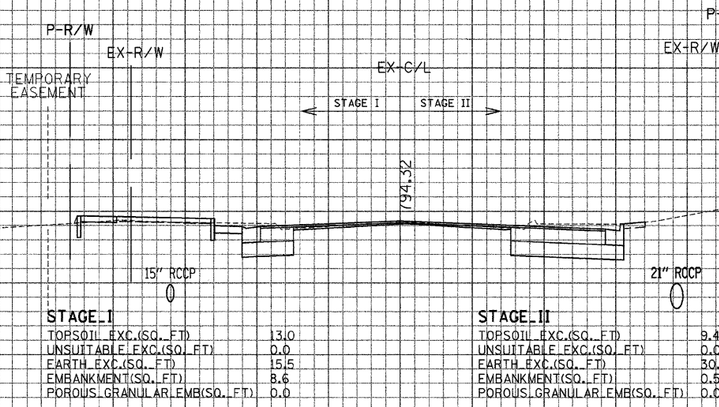
STAGE_I

TOPSOIL_EXC.(SQ._FT)	10.8
UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	16.2
EMBANKMENT(SQ._FT)	8.2
POROUS_GRANULAR_EMB(SQ._FT)	0.0

STAGE_II

TOPSOIL_EXC.(SQ._FT)	13.3
UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	62.0
EMBANKMENT(SQ._FT)	0.4
POROUS_GRANULAR_EMB(SQ._FT)	0.0

336+50.00



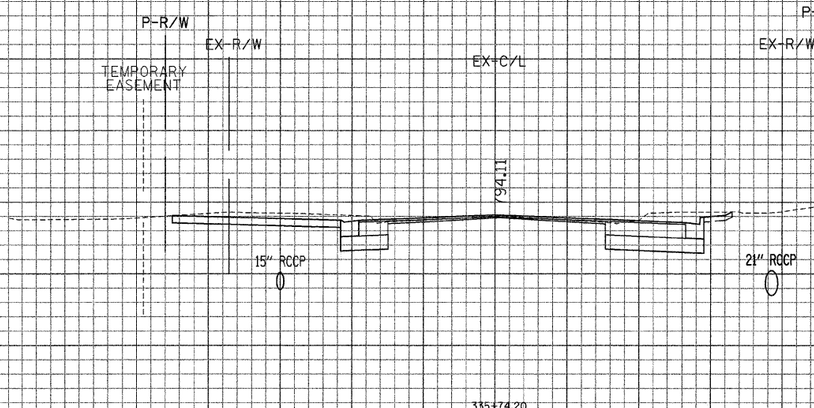
STAGE_I

TOPSOIL_EXC.(SQ._FT)	13.0
UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	15.5
EMBANKMENT(SQ._FT)	8.6
POROUS_GRANULAR_EMB(SQ._FT)	0.0

STAGE_II

TOPSOIL_EXC.(SQ._FT)	9.4
UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	30.1
EMBANKMENT(SQ._FT)	0.5
POROUS_GRANULAR_EMB(SQ._FT)	0.0

336+00.00



335+74.20

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	•
COUNTY	LAKE
TOTAL SHEETS	554
SHEET NO.	429

• C.L.-2(W.)b6.64 & 6 EXT) MRS-1

FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT | STA. | TO STA.

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

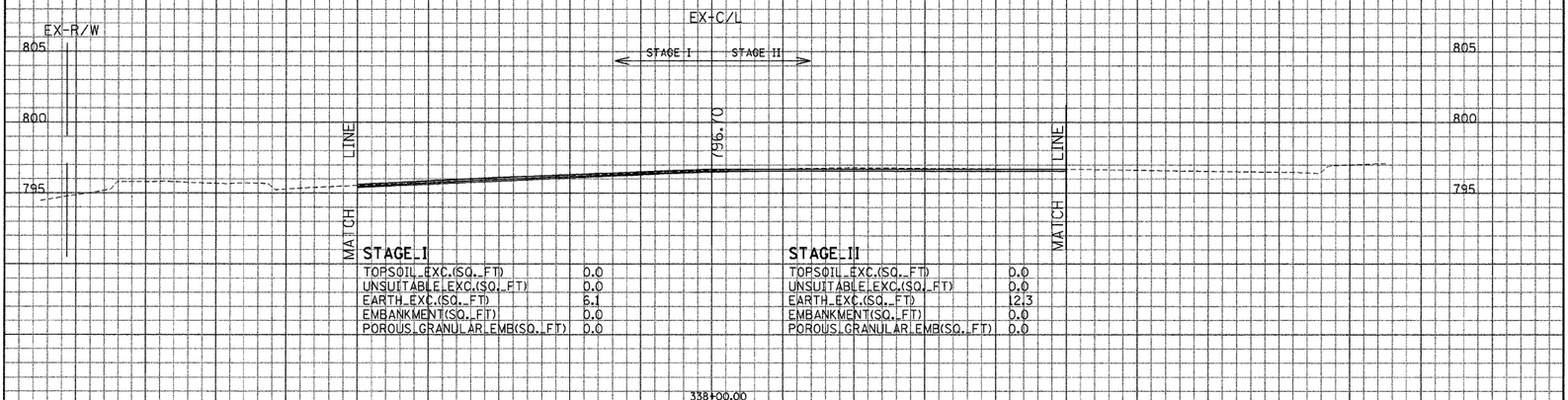
STA. 335+74.20 TO STA. 336+50

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

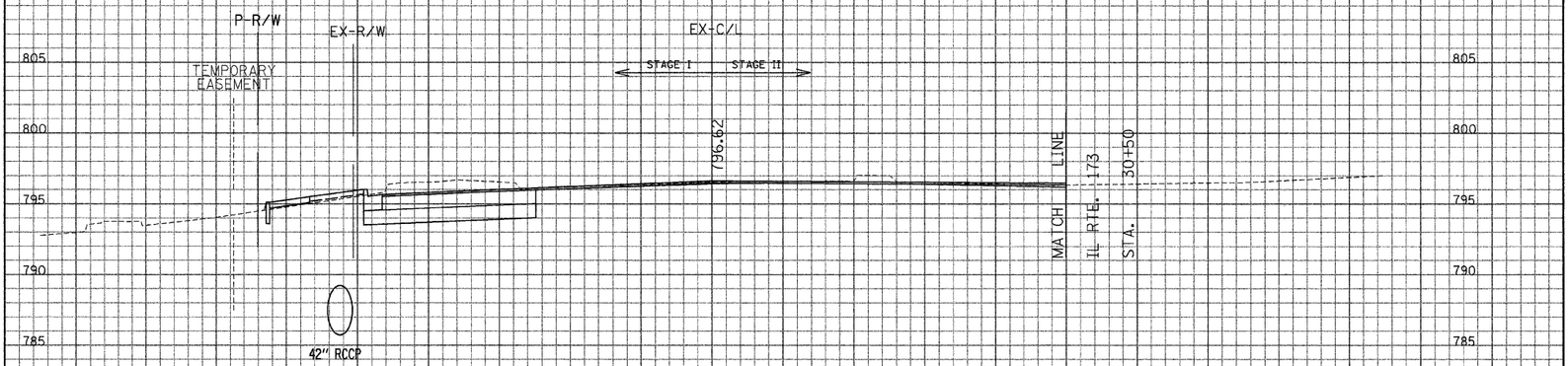
FILE: G:\2020\024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_D\XSHT_D.dgn 2/28/2008 2:42:09 PM



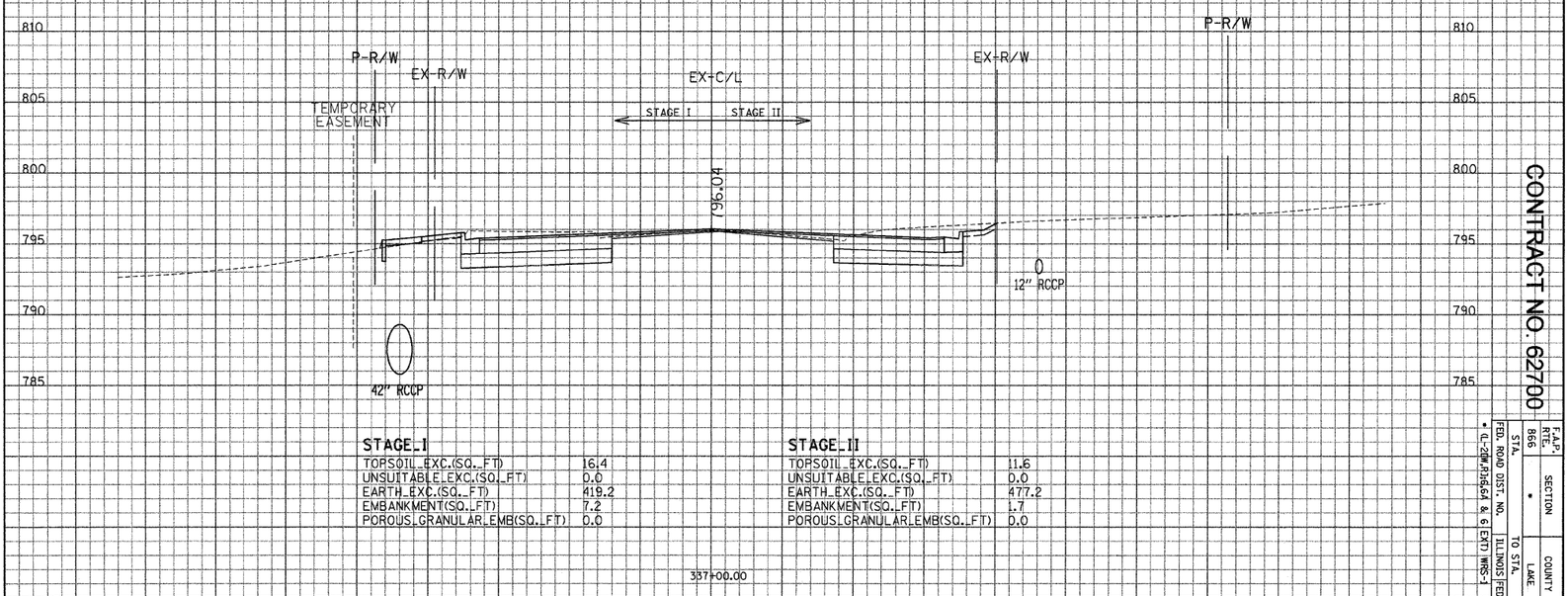
STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	0.0	TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.1	EARTH EXC.(SQ. FT)	12.3
EMBANKMENT(SQ. FT)	0.0	EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

338+00.00



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	19.1	TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	56.0	EARTH EXC.(SQ. FT)	11.1
EMBANKMENT(SQ. FT)	8.3	EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

337+50.00



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	16.4	TOPSOIL EXC.(SQ. FT)	11.6
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	419.2	EARTH EXC.(SQ. FT)	477.2
EMBANKMENT(SQ. FT)	7.2	EMBANKMENT(SQ. FT)	1.7
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

337+00.00

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	•	LAKE	554	430

FED. ROAD DIST. NO. • STA. TO STA. ILLINOIS FED. AID PROJECT
• (L-22M,3b&4 & 6 EXT) HRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

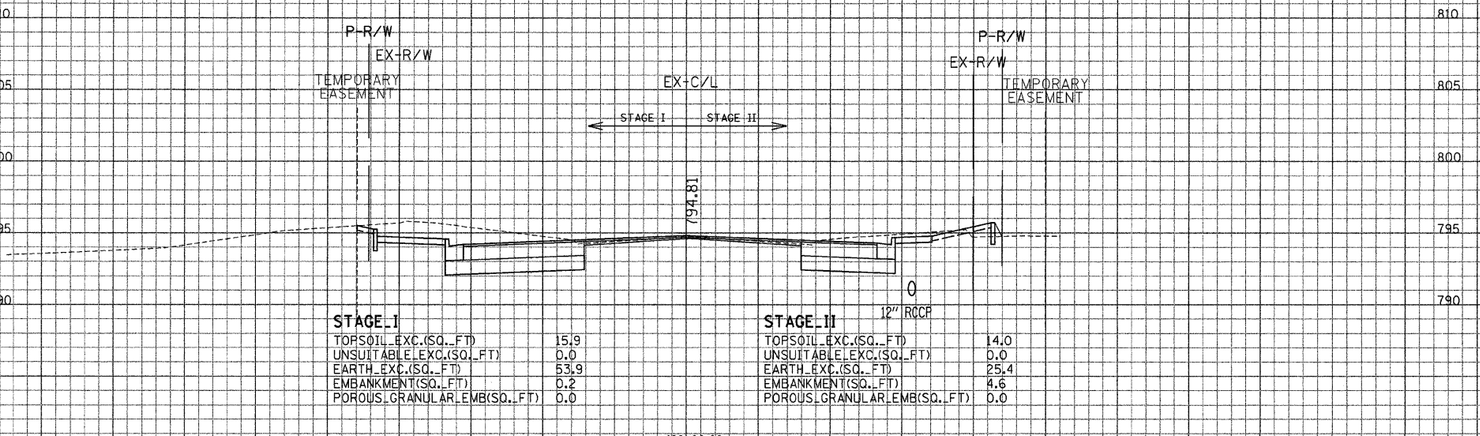
STA. 337+00 TO STA. 338+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

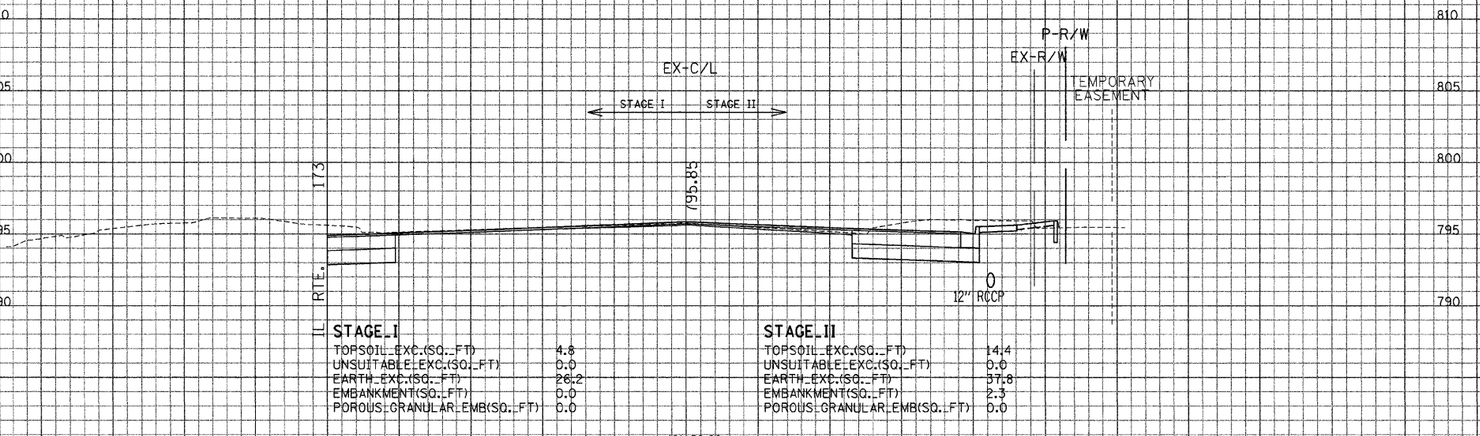
FILE: G:\20040024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_D\XSHT_D.dgn 2/28/2008 2:42:17 PM



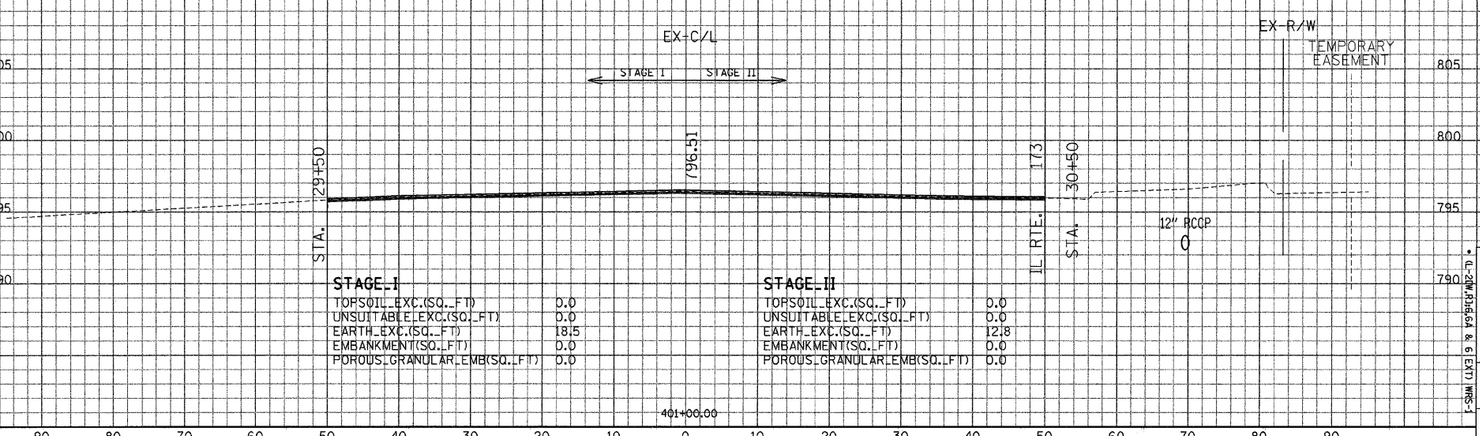
STAGE_I		STAGE_II	
TOPSOIL_EXC.(SQ._FT)	15.9	TOPSOIL_EXC.(SQ._FT)	14.0
UNSUITABLE_EXC.(SQ._FT)	0.0	UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	53.9	EARTH_EXC.(SQ._FT)	25.4
EMBANKMENT(SQ._FT)	0.2	EMBANKMENT(SQ._FT)	4.6
POROUS_GRANULAR_EMB(SQ._FT)	0.0	POROUS_GRANULAR_EMB(SQ._FT)	0.0

402+00.00



STAGE_I		STAGE_II	
TOPSOIL_EXC.(SQ._FT)	4.8	TOPSOIL_EXC.(SQ._FT)	14.4
UNSUITABLE_EXC.(SQ._FT)	0.0	UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	26.2	EARTH_EXC.(SQ._FT)	37.8
EMBANKMENT(SQ._FT)	0.0	EMBANKMENT(SQ._FT)	2.3
POROUS_GRANULAR_EMB(SQ._FT)	0.0	POROUS_GRANULAR_EMB(SQ._FT)	0.0

401+50.00



STAGE_I		STAGE_II	
TOPSOIL_EXC.(SQ._FT)	0.0	TOPSOIL_EXC.(SQ._FT)	0.0
UNSUITABLE_EXC.(SQ._FT)	0.0	UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	18.5	EARTH_EXC.(SQ._FT)	12.8
EMBANKMENT(SQ._FT)	0.0	EMBANKMENT(SQ._FT)	0.0
POROUS_GRANULAR_EMB(SQ._FT)	0.0	POROUS_GRANULAR_EMB(SQ._FT)	0.0

401+00.00

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
866	*	LAKE	554 431

FED. ROAD DIST. NO. | STA. | TO STA. | ILLINOIS FED. AID PROJECT

* (L-2(M,B)63,64 & 6 EXT) IHRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

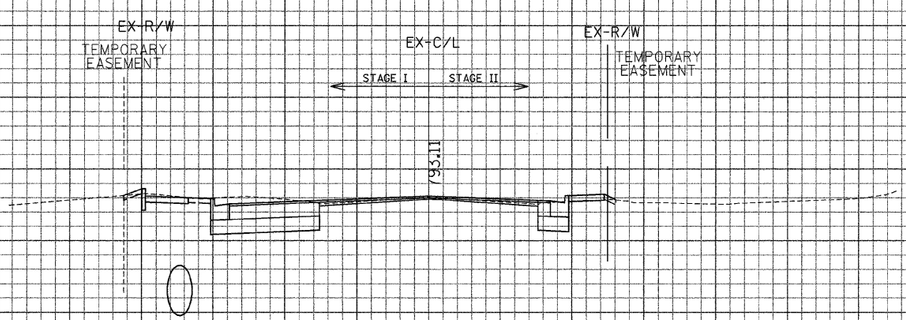
STA. 401+00 TO STA. 402+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\2000\4024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_D\XSHT_D.dgn 2/28/2008 2:42:30 PM



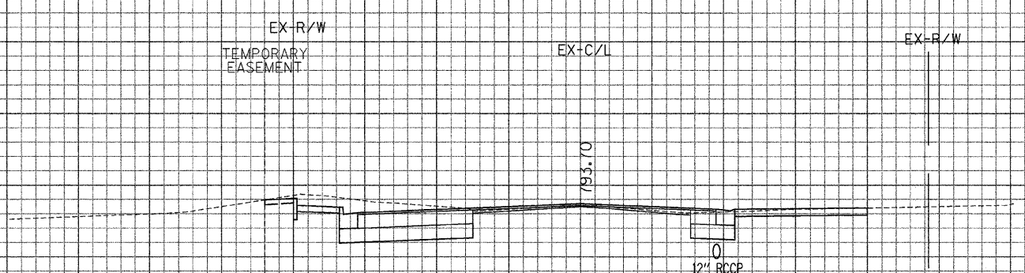
STAGE I 42" RCCP

TOPSOIL EXC.(SQ. FT)	13.7
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	29.4
EMBANKMENT(SQ. FT)	1.6
POROUS GRANULAR EMB(SQ. FT)	0.0

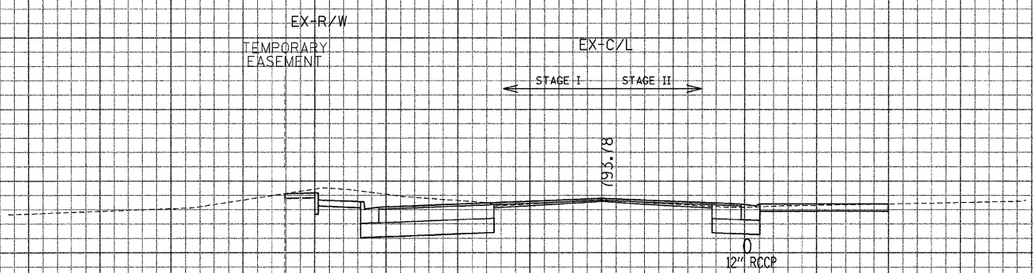
STAGE II

TOPSOIL EXC.(SQ. FT)	5.4
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	7.3
EMBANKMENT(SQ. FT)	3.2
POROUS GRANULAR EMB(SQ. FT)	0.0

403+00.00



402+56.10



STAGE I

TOPSOIL EXC.(SQ. FT)	14.6
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	45.2
EMBANKMENT(SQ. FT)	0.2
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	12.3
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	8.8
EMBANKMENT(SQ. FT)	1.5
POROUS GRANULAR EMB(SQ. FT)	0.0

402+50.00

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEET NO.	554
SHEET NO.	432

FED. ROAD DIST. NO. ILLINOIS
FED. AID PROJECT
STA. TO STA.
* (L-20W,J-16,64 & 6 EXT) HRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

GRAEF ANHALT SCHLOEMER and Associates Inc.

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

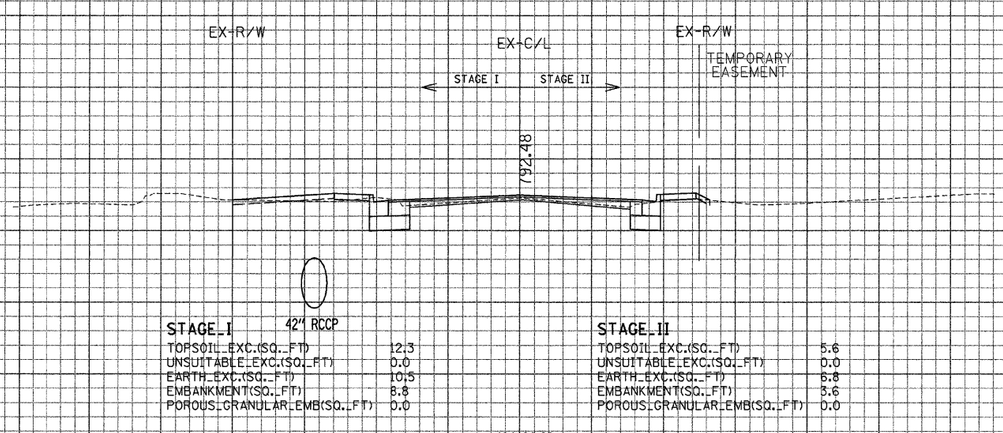
STA. 402+50 TO STA. 403+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\20004024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_D\XSHT_D.dgn 2/28/2008 2:42:38 PM



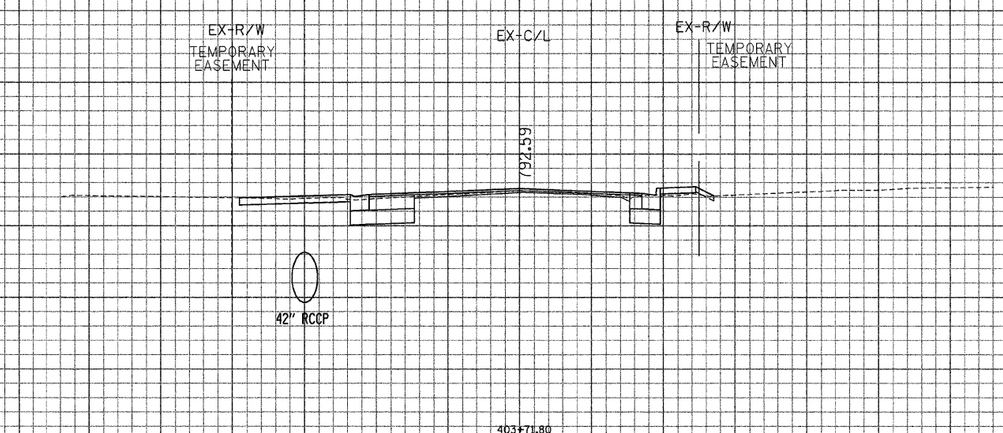
STAGE I

TOPSOIL EXC.(SQ. FT)	12.3
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	10.5
EMBANKMENT(SQ. FT)	8.8
POROUS GRANULAR EMB(SQ. FT)	0.0

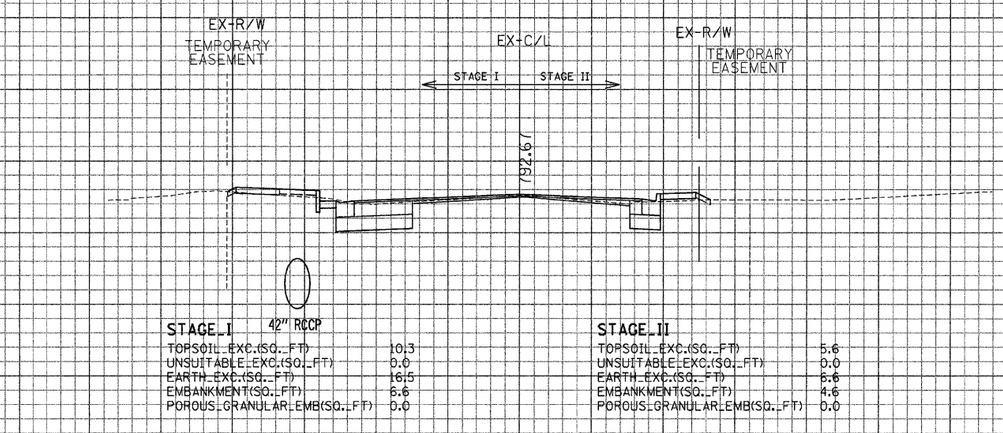
STAGE II

TOPSOIL EXC.(SQ. FT)	5.6
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.8
EMBANKMENT(SQ. FT)	3.6
POROUS GRANULAR EMB(SQ. FT)	0.0

404+00.00



403+71.80



STAGE I

TOPSOIL EXC.(SQ. FT)	10.3
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	16.5
EMBANKMENT(SQ. FT)	6.6
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	5.6
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.6
EMBANKMENT(SQ. FT)	4.6
POROUS GRANULAR EMB(SQ. FT)	0.0

403+50.00

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEETS	554
SHEET NO.	433

* (L-20W,13&6A & 6 EXT) WRS-1

FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT | STA. | TO STA.

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

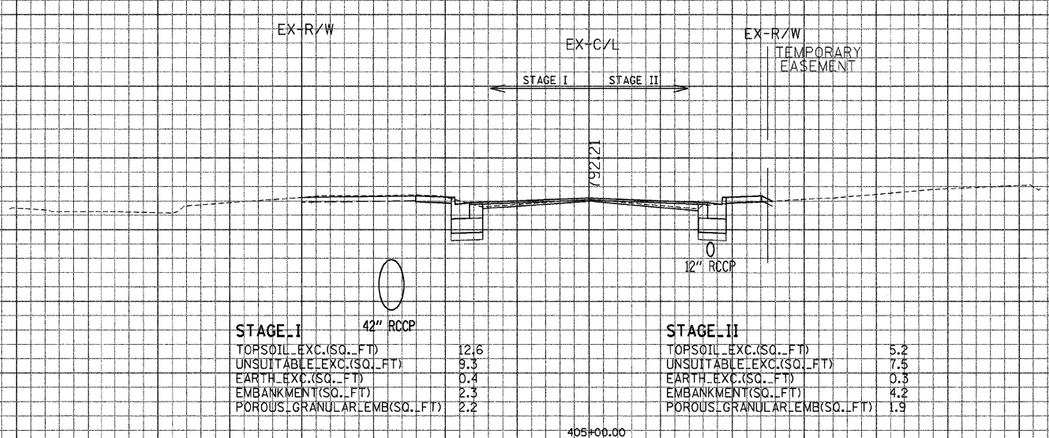
STA. 403+50 TO STA. 404+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\20020024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_D\XSHT_D.dgn 2/28/2008 2:42:51 PM



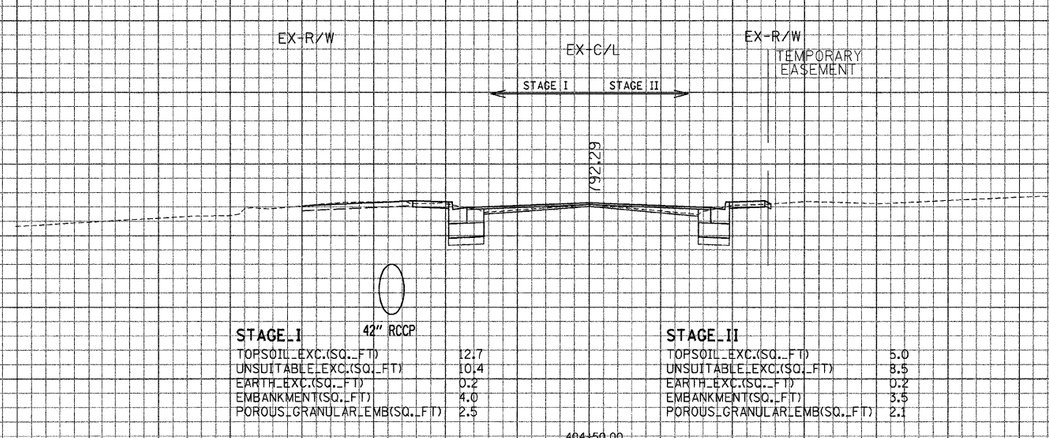
STAGE_I

TOPSOIL_EXC.(SQ._FT)	12.6
UNSUITABLE_EXC.(SQ._FT)	9.3
EARTH_EXC.(SQ._FT)	0.4
EMBANKMENT(SQ._FT)	2.3
POROUS_GRANULAR_EMB(SQ._FT)	2.2

STAGE_II

TOPSOIL_EXC.(SQ._FT)	5.2
UNSUITABLE_EXC.(SQ._FT)	7.5
EARTH_EXC.(SQ._FT)	0.3
EMBANKMENT(SQ._FT)	4.2
POROUS_GRANULAR_EMB(SQ._FT)	1.9

405+00.00



STAGE_I

TOPSOIL_EXC.(SQ._FT)	12.7
UNSUITABLE_EXC.(SQ._FT)	10.4
EARTH_EXC.(SQ._FT)	0.2
EMBANKMENT(SQ._FT)	4.0
POROUS_GRANULAR_EMB(SQ._FT)	2.5

STAGE_II

TOPSOIL_EXC.(SQ._FT)	5.0
UNSUITABLE_EXC.(SQ._FT)	8.5
EARTH_EXC.(SQ._FT)	0.2
EMBANKMENT(SQ._FT)	3.5
POROUS_GRANULAR_EMB(SQ._FT)	2.1

404+50.00

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	•
COUNTY	LAKE
TOTAL SHEETS NO.	554
SHEET NO.	434

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

STA. TO STA.

• IL-28W,3b&6A & 6 EXT) HRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

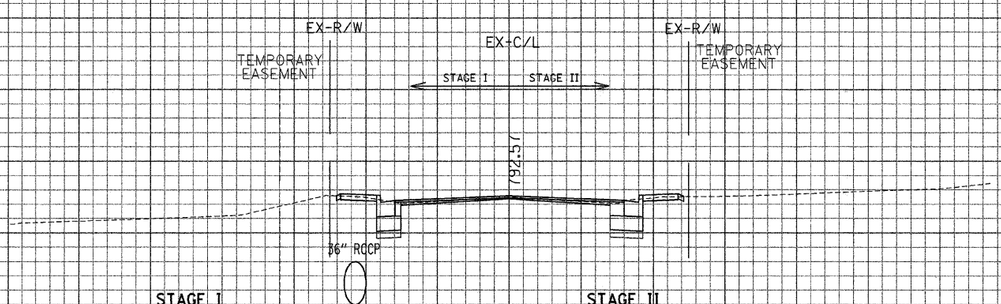
STA. 404+50 TO STA. 405+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: C:\200404024_N\geo\Area_D\XSHT_D.dgn
DATE: 09-Jan-04 13:14

...\geo\Area_D\XSHT_D.cgn 2/28/2008 2:43:00 PM



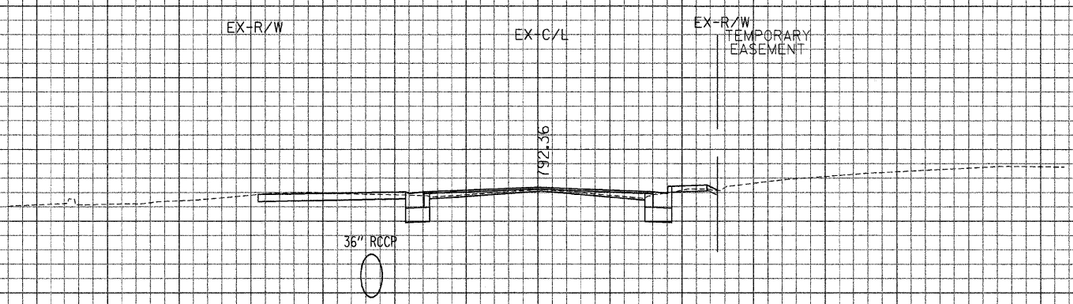
STAGE I

TOPSOIL EXC.(SQ. FT)	4.5
UNSUITABLE EXC.(SQ. FT)	7.0
EARTH EXC.(SQ. FT)	0.9
EMBANKMENT(SQ. FT)	1.5
POROUS GRANULAR EMB(SQ. FT)	1.7

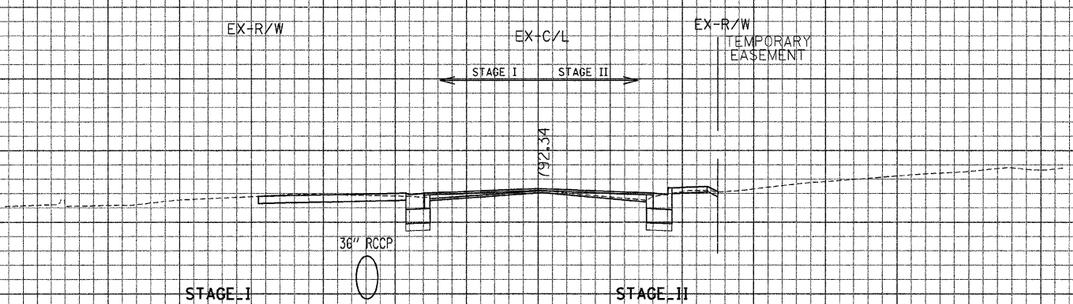
STAGE II

TOPSOIL EXC.(SQ. FT)	5.1
UNSUITABLE EXC.(SQ. FT)	9.4
EARTH EXC.(SQ. FT)	0.8
EMBANKMENT(SQ. FT)	1.7
POROUS GRANULAR EMB(SQ. FT)	2.3

406+00.00



405+55.50



STAGE I

TOPSOIL EXC.(SQ. FT)	12.0
UNSUITABLE EXC.(SQ. FT)	6.2
EARTH EXC.(SQ. FT)	0.6
EMBANKMENT(SQ. FT)	2.3
POROUS GRANULAR EMB(SQ. FT)	1.7

STAGE II

TOPSOIL EXC.(SQ. FT)	5.0
UNSUITABLE EXC.(SQ. FT)	6.7
EARTH EXC.(SQ. FT)	0.1
EMBANKMENT(SQ. FT)	4.0
POROUS GRANULAR EMB(SQ. FT)	1.8

405+50.00

CONTRACT NO. 62700

FED. ROAD DIST. NO.	F.A.P. RTE.		
ILLINOIS	866		
STA.	SECTION		
* (L-22W,23&64 & 6 EXT) WRS-1	*		
TO STA.	COUNTY	TOTAL SHEETS	SHEET NO.
	LAKE	554	435
FED. AID PROJECT			

GRAEF ANHALT SCHLOEMER and Associates P.C.
GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

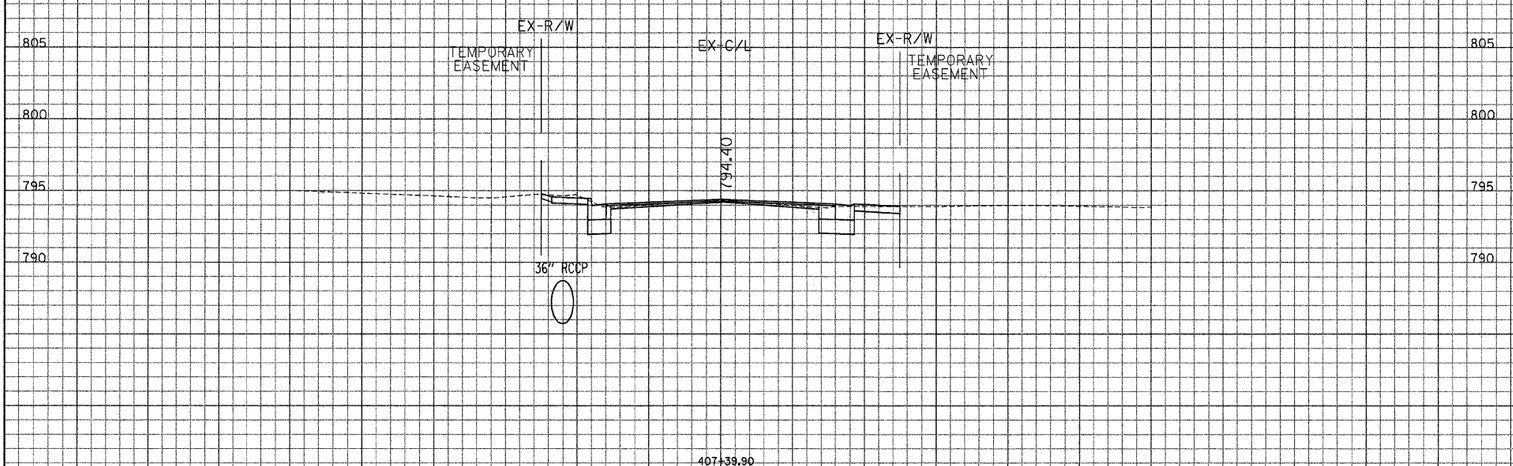
STA. 405+50 TO STA. 406+00

SCALE: HORIZ. 1" = 10'

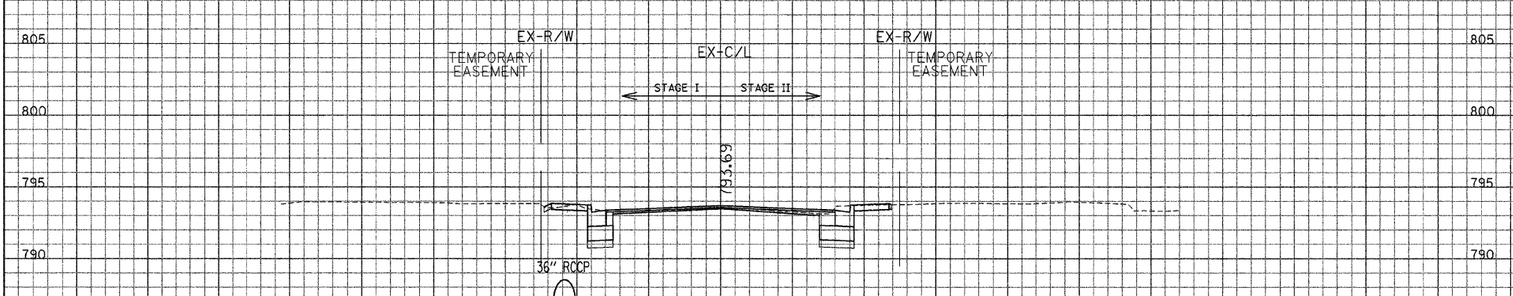
VERT. 1" = 5'

FILE: G:\20004024.N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/20/2004 8:21:18 AM



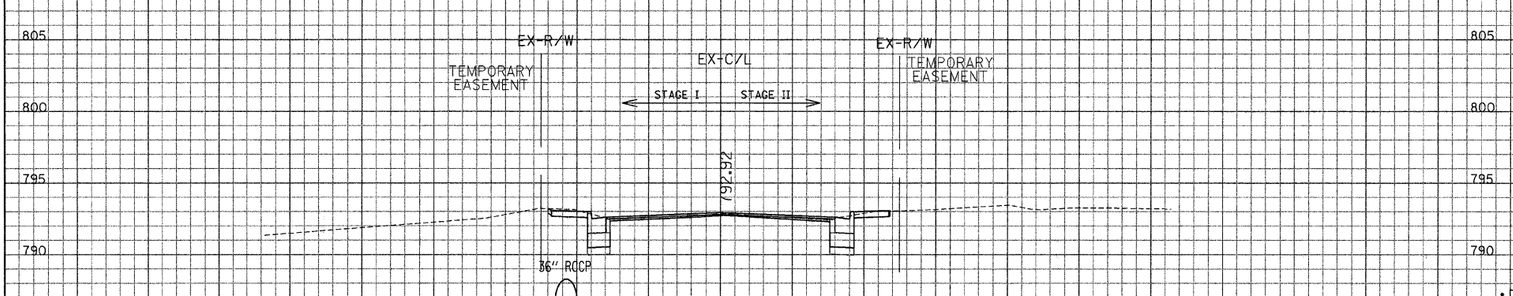
407+39.90



STAGE I	
TOPSOIL EXC.(SQ. FT)	4.8
UNSUITABLE EXC.(SQ. FT)	7.5
EARTH EXC.(SQ. FT)	1.4
EMBANKMENT(SQ. FT)	1.6
POROUS GRANULAR EMB(SQ. FT)	1.8

STAGE II	
TOPSOIL EXC.(SQ. FT)	5.0
UNSUITABLE EXC.(SQ. FT)	10.4
EARTH EXC.(SQ. FT)	0.6
EMBANKMENT(SQ. FT)	0.9
POROUS GRANULAR EMB(SQ. FT)	2.4

407+00.00



STAGE I	
TOPSOIL EXC.(SQ. FT)	4.3
UNSUITABLE EXC.(SQ. FT)	6.9
EARTH EXC.(SQ. FT)	1.3
EMBANKMENT(SQ. FT)	0.2
POROUS GRANULAR EMB(SQ. FT)	1.6

STAGE II	
TOPSOIL EXC.(SQ. FT)	4.2
UNSUITABLE EXC.(SQ. FT)	6.9
EARTH EXC.(SQ. FT)	1.3
EMBANKMENT(SQ. FT)	0.9
POROUS GRANULAR EMB(SQ. FT)	1.6

406+50.00

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
866	*	LAKE	554 436

FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT

STA. TO STA.

* (L-2)M,P,Sb&&4 & 6 EXT) MRS-1

GRAEF ANHALT SCHLOEMER and Associates Inc.

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

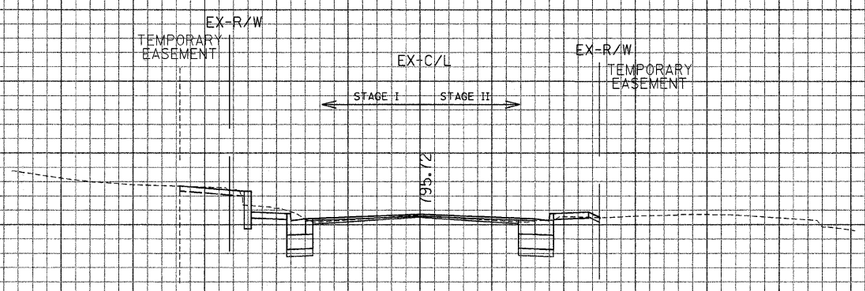
STA. 406+50 TO STA. 407+39.90

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

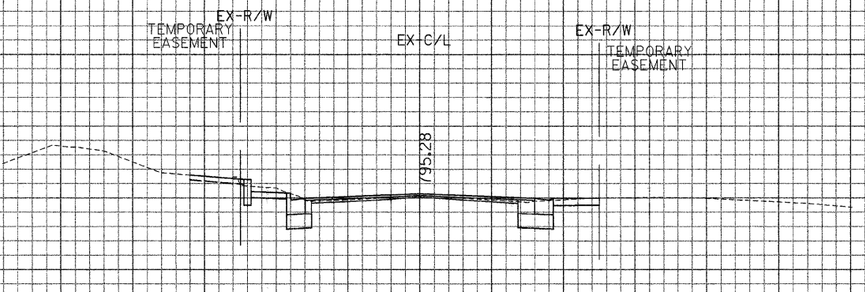
FILE: G:\22024024_N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area E\XSHT_E.dgn 2/29/2008 8:21:47 AM

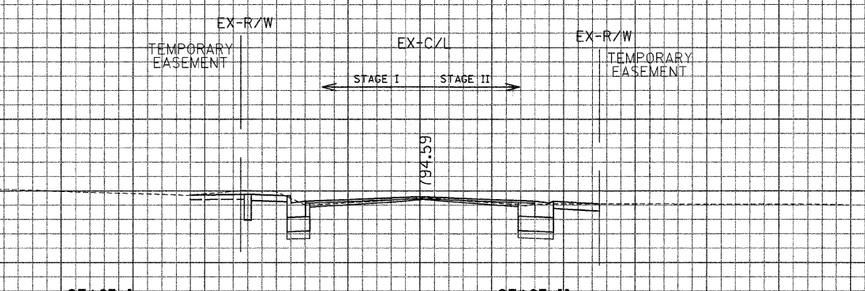


STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	8.3	TOPSOIL EXC.(SQ. FT)	5.7
UNSUITABLE EXC.(SQ. FT)	8.3	UNSUITABLE EXC.(SQ. FT)	9.5
EARTH EXC.(SQ. FT)	3.9	EARTH EXC.(SQ. FT)	0.7
EMBANKMENT(SQ. FT)	1.3	EMBANKMENT(SQ. FT)	2.6
POROUS GRANULAR EMB(SQ. FT)	1.8	POROUS GRANULAR EMB(SQ. FT)	2.4

408+00.00



407+80.50



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	8.3	TOPSOIL EXC.(SQ. FT)	5.7
UNSUITABLE EXC.(SQ. FT)	6.6	UNSUITABLE EXC.(SQ. FT)	9.2
EARTH EXC.(SQ. FT)	3.2	EARTH EXC.(SQ. FT)	0.8
EMBANKMENT(SQ. FT)	0.7	EMBANKMENT(SQ. FT)	0.7
POROUS GRANULAR EMB(SQ. FT)	1.6	POROUS GRANULAR EMB(SQ. FT)	2.5

407+50.00

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
866	*	LAKE	554 437

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

STA. TO STA.

* (L-22(M)3&6,64 & 6 EXT) HRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

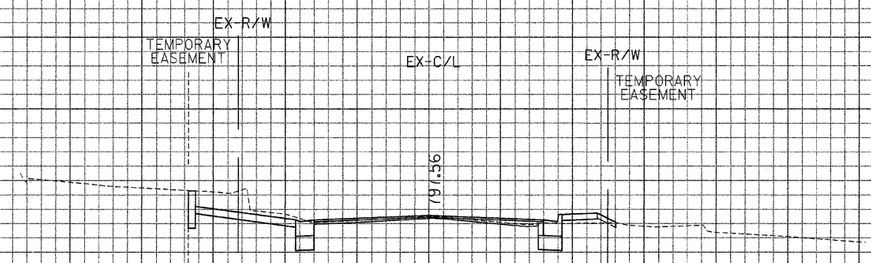
STA. 407+50 TO STA. 408+00

SCALE: HORIZ. 1" = 10'

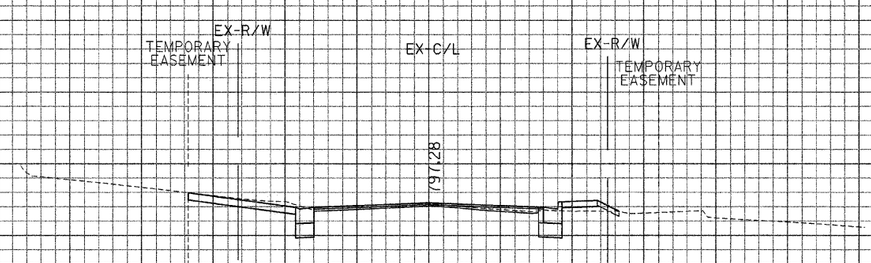
VERT. 1" = 5'

FILE: G:\20020824.NV\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

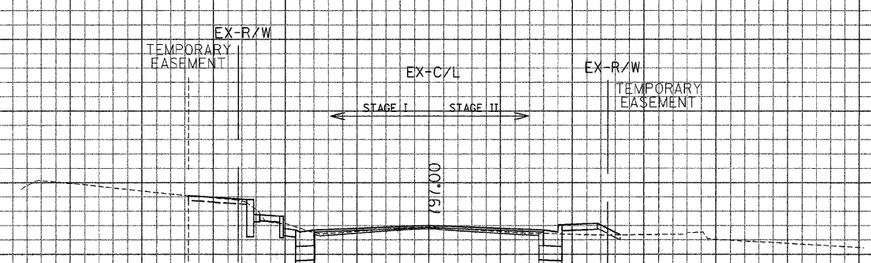
...\geo\Area_E\XSHT_E.dgn 2/29/2008 8:22:02 AM



408+69.90



408+59.90



408+50.00

STAGE I	
TOPSOIL EXC.(SQ. FT)	8.8
UNSUITABLE EXC.(SQ. FT)	5.6
EARTH EXC.(SQ. FT)	4.0
EMBANKMENT(SQ. FT)	3.2
POROUS GRANULAR EMB(SQ. FT)	1.3

STAGE II	
TOPSOIL EXC.(SQ. FT)	5.7
UNSUITABLE EXC.(SQ. FT)	6.0
EARTH EXC.(SQ. FT)	0.6
EMBANKMENT(SQ. FT)	6.0
POROUS GRANULAR EMB(SQ. FT)	1.6

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	*	LAKE	554	438

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

STA. | TO STA.

* (L-2(W)/134,64 & 6 EXT) MRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

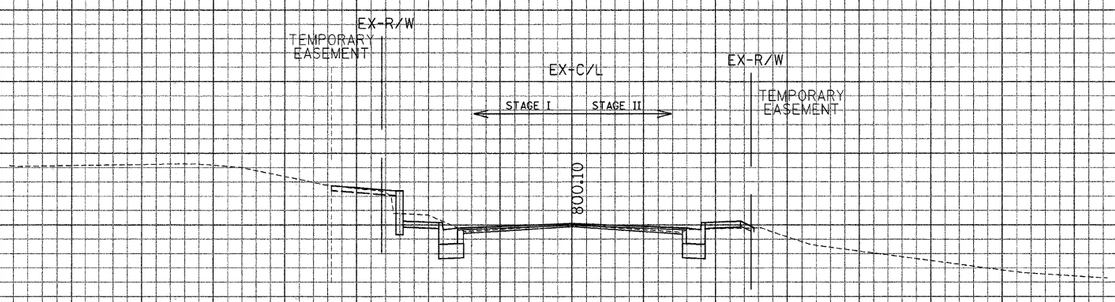
STA. 408+50 TO STA. 409+69.90

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

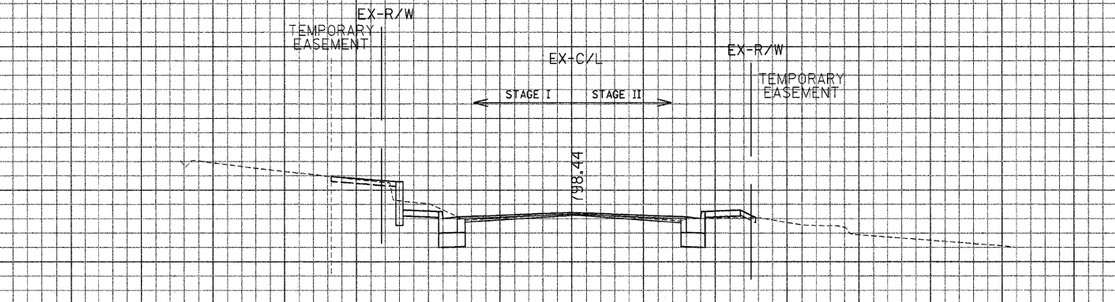
FILE: G:\20024024_NV\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area E\XSHT_E.dgn 07/29/2008 8:22:19 AM



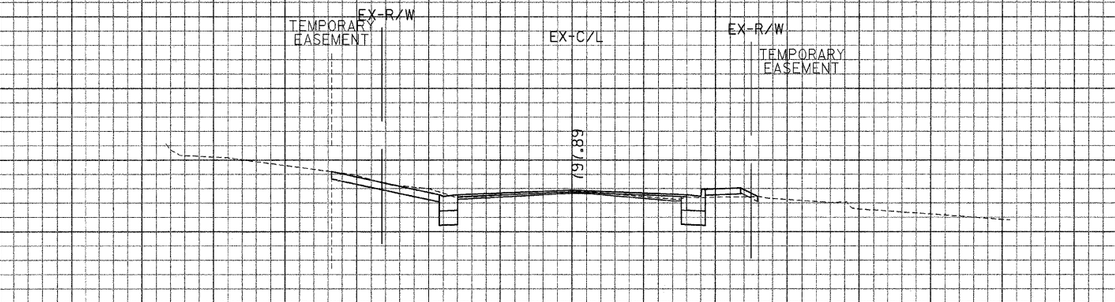
STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	9.2	TOPSOIL EXC.(SQ. FT)	5.0
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	10.9	EARTH EXC.(SQ. FT)	5.3
EMBANKMENT(SQ. FT)	3.1	EMBANKMENT(SQ. FT)	3.8
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

409+50.00



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	9.3	TOPSOIL EXC.(SQ. FT)	5.2
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	10.6	EARTH EXC.(SQ. FT)	5.8
EMBANKMENT(SQ. FT)	2.9	EMBANKMENT(SQ. FT)	4.0
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

409+00.00



408+81.20

CONTRACT NO. 62700

FED. ROAD DIST. NO.	STATE	F.A.P. RTE.
* IL-20W,R3&4,6 & 6 EXT) MRS-1	ILLINOIS	866

SECTION	COUNTY	TOTAL SHEET SHEETS NO.
*	LAKE	554 439

FED. AID PROJECT

FROM STA.	TO STA.

GRAEF ANHALT SCHLOEMER and Associates Inc.

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

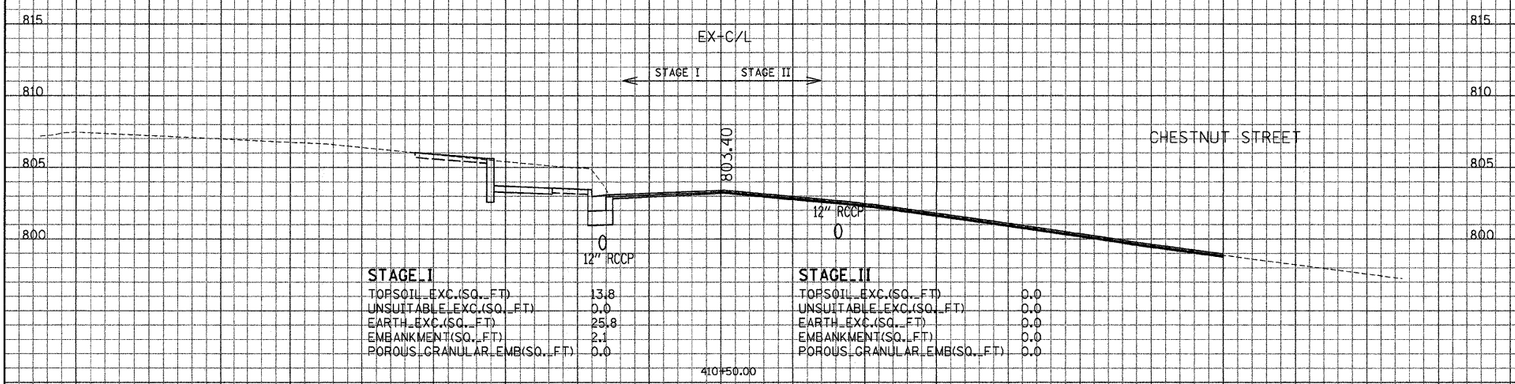
STA. 408+81.20 TO STA. 409+50

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\2003\4024_NV\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:54

..\geo\Area E\XSHT_E.dgn 2/29/2003 8:22:35 AM



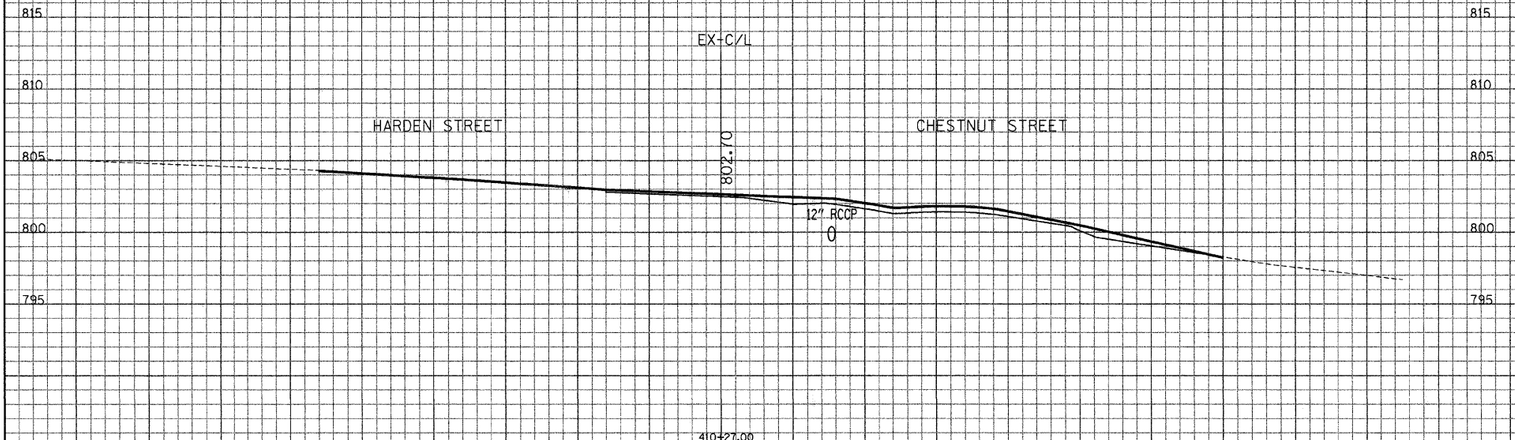
STAGE I

TOPSOIL EXC.(SQ. FT)	13.8
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	25.8
EMBANKMENT(SQ. FT)	2.1
POROUS GRANULAR EMB(SQ. FT)	0.0

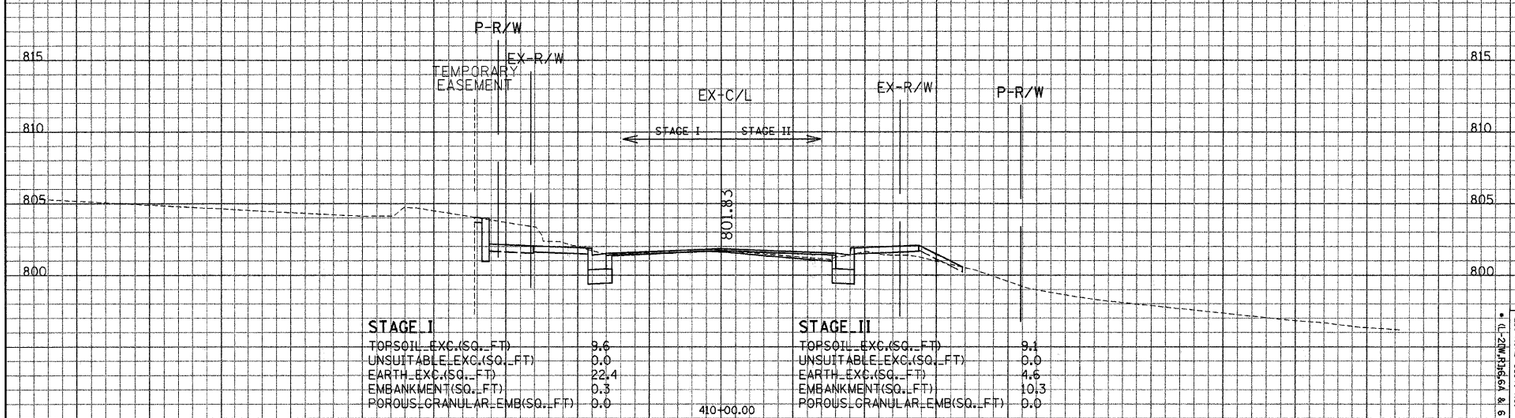
STAGE II

TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	0.0
EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0

410+50.00



410+27.00



STAGE I

TOPSOIL EXC.(SQ. FT)	9.6
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	22.4
EMBANKMENT(SQ. FT)	0.3
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	9.1
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	4.6
EMBANKMENT(SQ. FT)	10.3
POROUS GRANULAR EMB(SQ. FT)	0.0

410+00.00

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEET NO.	554
SHEET NO.	440

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

* (L-2)M,P)&6A & 6 EXT) MRS-1

TO STA.

STA.

GRAEF ANHALT SCHLOEMER and Associates Inc.
GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

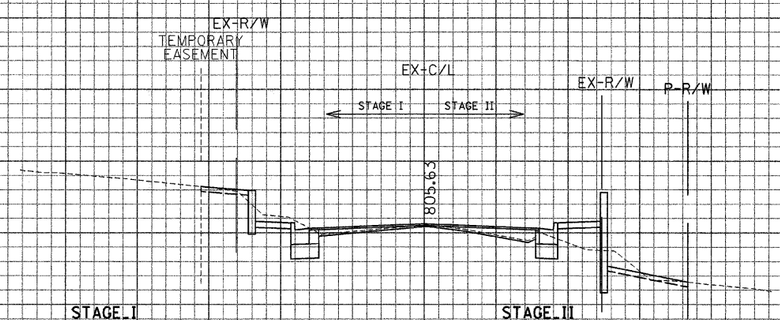
F. A. P. ROUTE 866 (IL ROUTE 83)

STA. 410+00 TO STA. 410+50

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

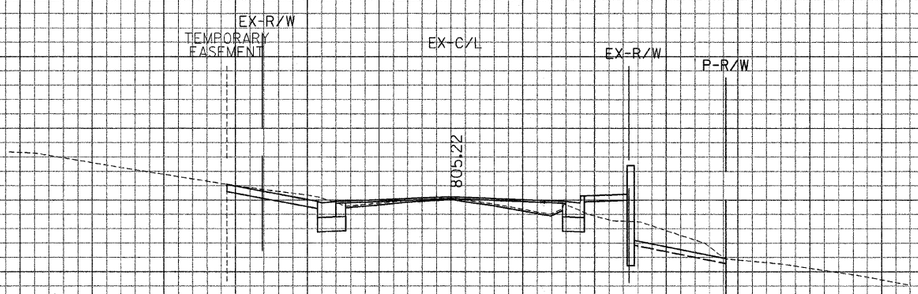
FILE: G:\20024024_N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59



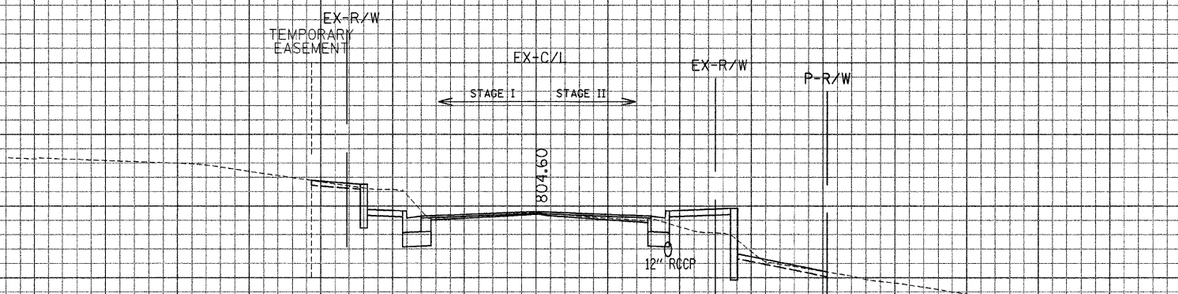
STAGE I	
TOPSOIL EXC.(SQ. FT)	8.2
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	10.8
EMBANKMENT(SQ. FT)	3.2
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	10.6
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	9.3
EMBANKMENT(SQ. FT)	16.5
POROUS GRANULAR EMB(SQ. FT)	0.0

411+50.00



411+29.50



STAGE I	
TOPSOIL EXC.(SQ. FT)	8.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	19.6
EMBANKMENT(SQ. FT)	1.9
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	12.6
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.5
EMBANKMENT(SQ. FT)	16.0
POROUS GRANULAR EMB(SQ. FT)	0.0

411+00.00

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
866	*	LAKE	554 441

FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT

STA. TO STA.

* (L-2)M/I36,64 & 6 EXT) MRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

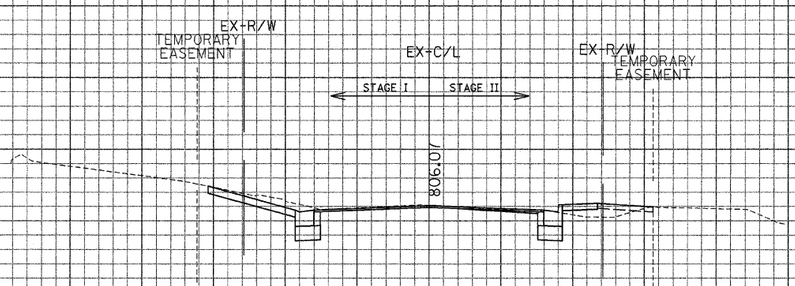
F. A. P. ROUTE 866 (IL ROUTE 83)

STA. 411+00 TO STA. 411+50

SCALE: HORIZ. 1" = 10'

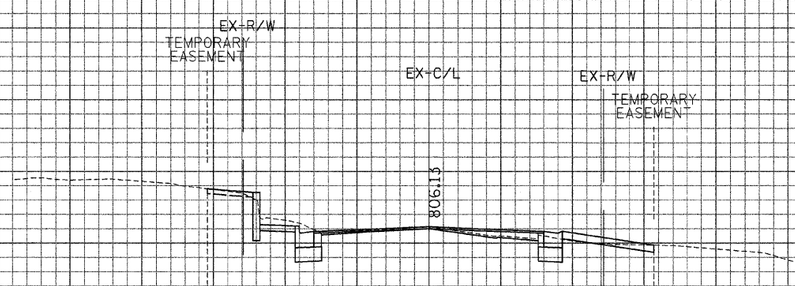
VERT. 1" = 5'

FILE: G:\20040824_NVgeo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

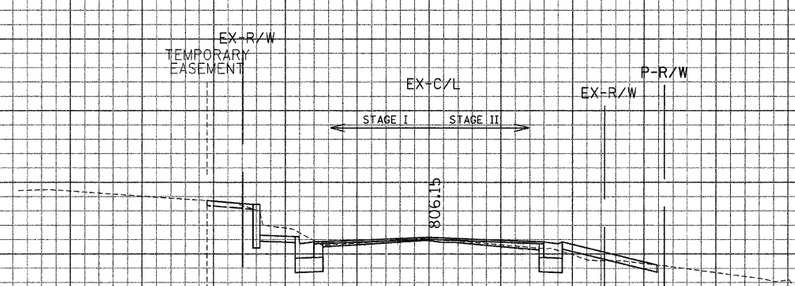


STAGE I		STAGE III	
TOPSOIL EXC.(SQ. FT)	7.8	TOPSOIL EXC.(SQ. FT)	8.1
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	13.5	EARTH EXC.(SQ. FT)	7.7
EMBANKMENT(SQ. FT)	0.0	EMBANKMENT(SQ. FT)	10.1
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

412+50.00



412+23.60



STAGE I		STAGE III	
TOPSOIL EXC.(SQ. FT)	8.1	TOPSOIL EXC.(SQ. FT)	8.2
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	12.9	EARTH EXC.(SQ. FT)	3.9
EMBANKMENT(SQ. FT)	1.5	EMBANKMENT(SQ. FT)	7.2
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

412+00.00

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
866	•	LAKE	554 442

FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT

STA. TO STA.

* (L-2)M,(M)3&6A & 6 (EXT) MRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

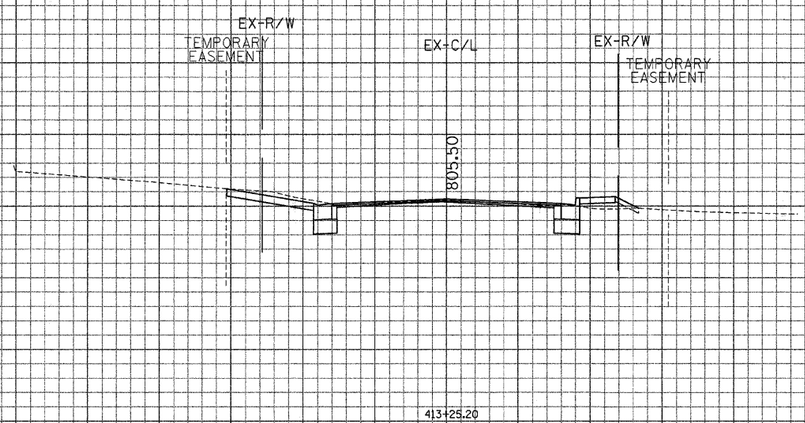
STA. 412+00 TO STA. 412+50

SCALE: HORIZ. 1" = 10'

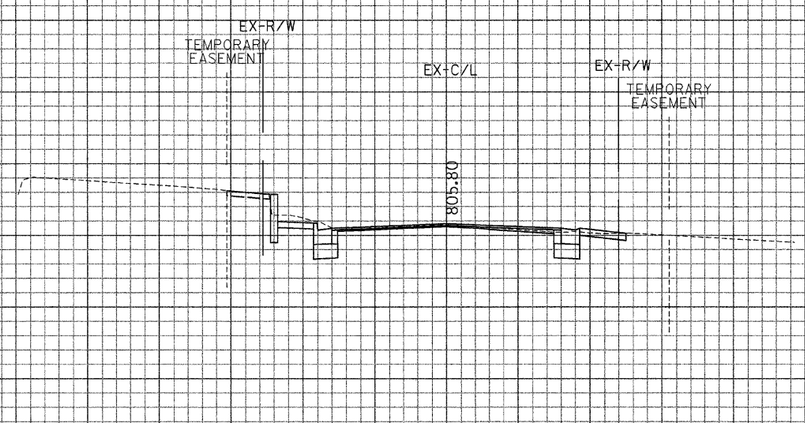
VERT. 1" = 5'

FILE: G:\20004024_NV\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

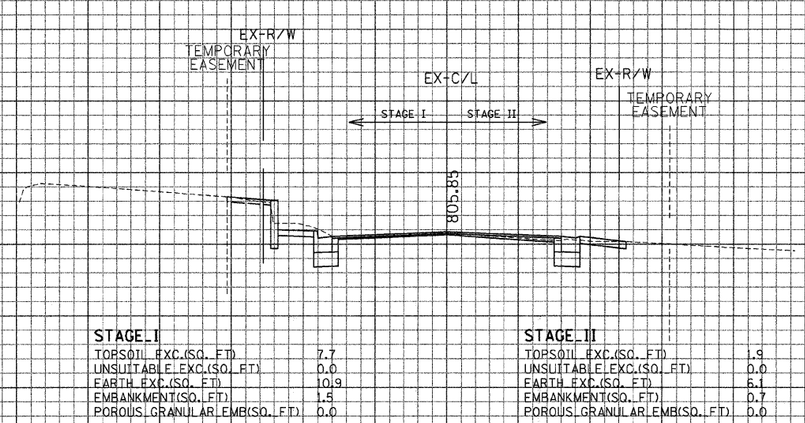
...\geo\Area_E\XSHT_E.dgn 2/29/2008 8:22:15 AM



413+25.20



413+03.60



413+00.00

STAGE I

TOPSOIL EXC.(SQ. FT)	7.7
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	10.9
EMBANKMENT(SQ. FT)	1.5
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	1.9
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.1
EMBANKMENT(SQ. FT)	0.7
POROUS GRANULAR EMB(SQ. FT)	0.0

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEET NO.	554
SHEET NO.	443

* IL-22W,13x6.64 & 6 EXT) MRS-1

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

STA. | TO STA.

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

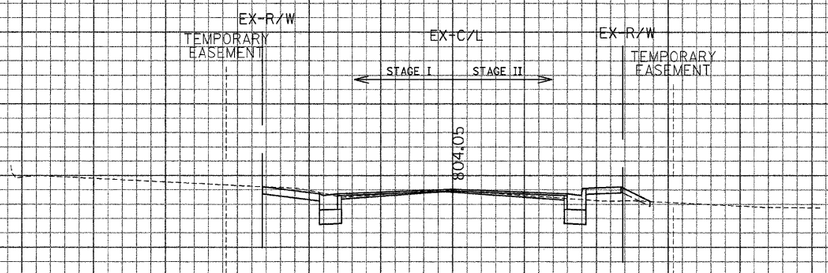
STA. 413+00 TO STA. 413+25.20

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

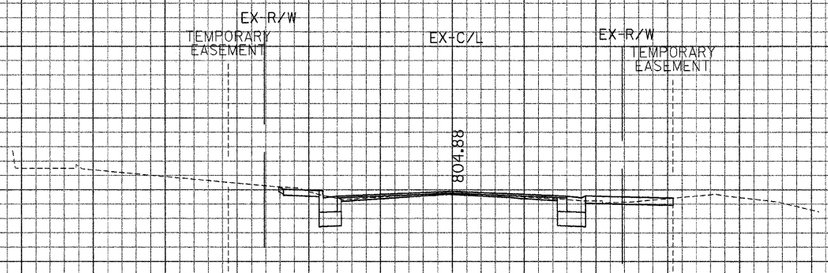
FILE: G:\20024024_IN\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

.\geo\Area_E\XSHT_E.dgn 2/29/2008 8:23:32 AM

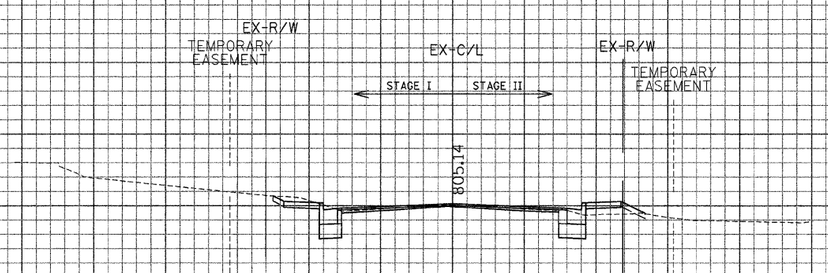


STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	4.0	TOPSOIL EXC.(SQ. FT)	6.0
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.1	EARTH EXC.(SQ. FT)	4.3
EMBANKMENT(SQ. FT)	1.1	EMBANKMENT(SQ. FT)	7.9
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

414+00.00



413+63.40



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	4.8	TOPSOIL EXC.(SQ. FT)	6.1
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	7.4	EARTH EXC.(SQ. FT)	5.2
EMBANKMENT(SQ. FT)	0.1	EMBANKMENT(SQ. FT)	6.7
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

413+50.00

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
866	*	LAKE	554 444

FED. ROAD DIST. NO. | STA. | TO STA. | ILLINOIS FED. AID PROJECT

* (L-2)M-7)36,64 & 6 EXT) MRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 N. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

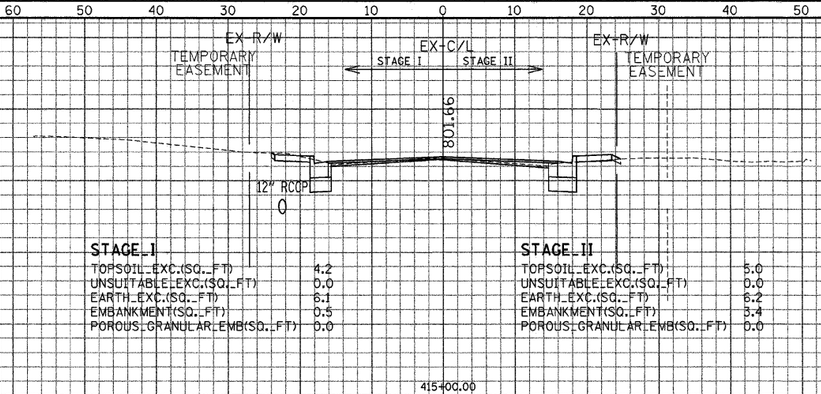
STA. 413+50 TO STA. 414+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\2002\024.N\geo\Area_EXXSHT_E.dgn
DATE: 15-Jan-04 14:55

...\geo\Area_EXXSHT_E.dgn 2/29/2008 8:23:41 AM



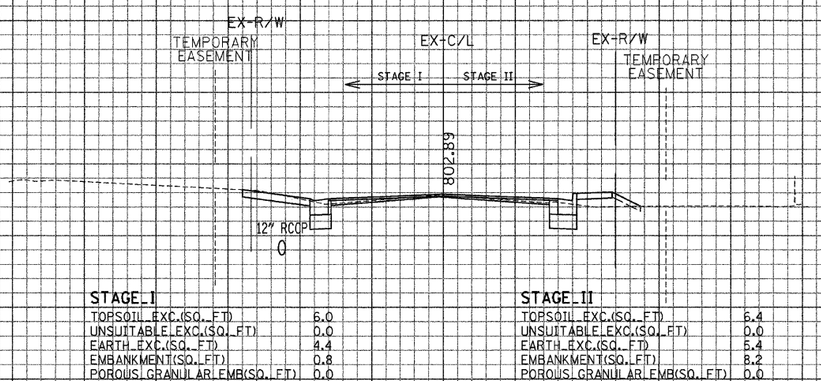
STAGE I

TOPSOIL EXC.(SQ. FT)	4.2
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.1
EMBANKMENT(SQ. FT)	0.5
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	5.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.2
EMBANKMENT(SQ. FT)	3.4
POROUS GRANULAR EMB(SQ. FT)	0.0

415+00.00



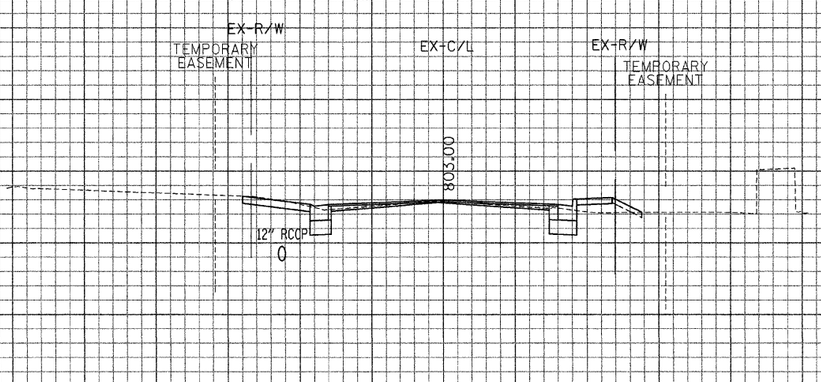
STAGE I

TOPSOIL EXC.(SQ. FT)	6.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	4.4
EMBANKMENT(SQ. FT)	0.8
POROUS GRANULAR EMB(SQ. FT)	0.0

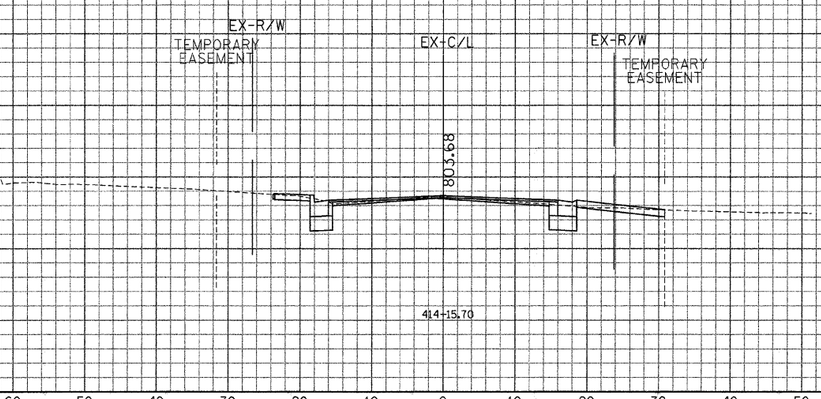
STAGE II

TOPSOIL EXC.(SQ. FT)	6.4
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.4
EMBANKMENT(SQ. FT)	8.2
POROUS GRANULAR EMB(SQ. FT)	0.0

414+50.00



414+45.40



414+15.70

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

GRAEF ANHALT SCHLOEMER AND ASSOCIATES INC.

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

STA. 414+15.70 TO STA. 415+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	*	LAKE	554	445

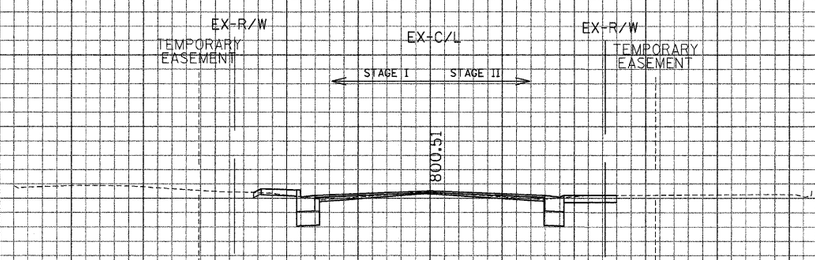
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

STA. TO STA.

* (L-22W,R36,64 & 6 EXT) MRS-1

FILE: G:\20004024_N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-24 14:59

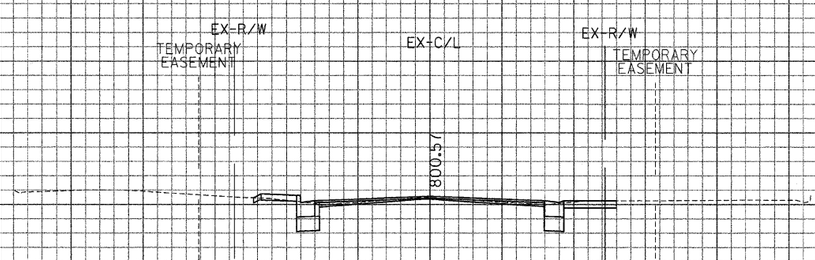
..\geo\Area_E\XSHT_E.dgn 2/29/2018 8:23:56 AM



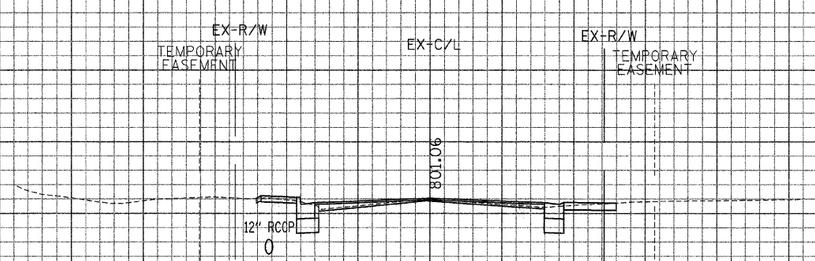
STAGE I	
TOPSOIL EXC.(SQ. FT)	4.6
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.5
EMBANKMENT(SQ. FT)	2.8
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	5.1
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	4.5
EMBANKMENT(SQ. FT)	0.4
POROUS GRANULAR EMB(SQ. FT)	0.0

415+50.00



415+47.40



415+27.10

GRAEF ANHALT SCHLOEMER and Associates Inc.

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

STA. 415+27.10 TO STA. 415+50

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

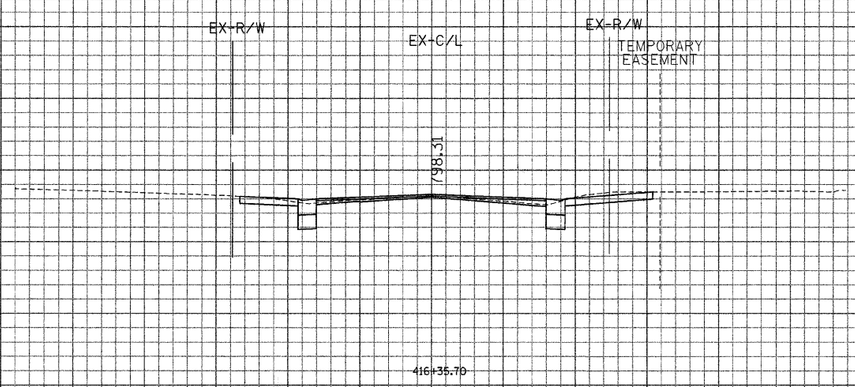
CONTRACT NO. 62700

FED. ROAD DIST. NO.	STA.	F.A.P. RTE.
ILLINOIS FED. AID PROJECT	TO STA.	SECTION
	LAKE	COUNTY
	554	TOTAL SHEETS NO.
	446	SHEET

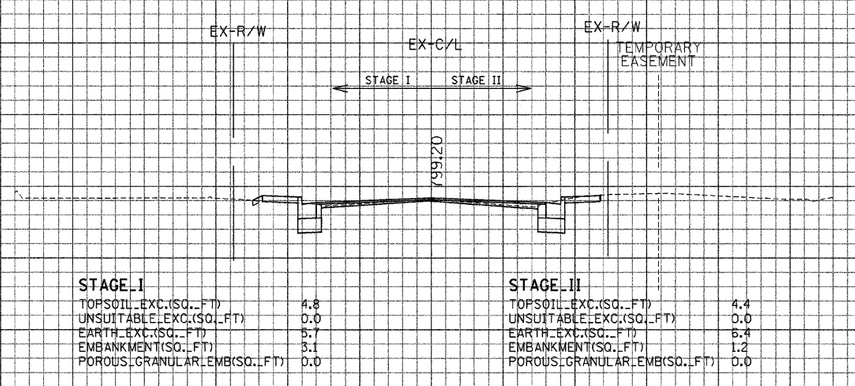
* (L-2)M,P3b&64 & 6 EXT) MHS-1

FILE: G:\20040424_N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/29/2008 8:24:11 AM

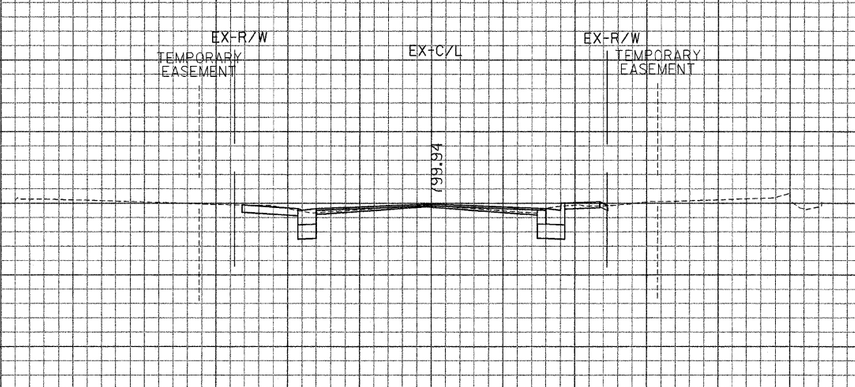


416+35.70



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	4.8	TOPSOIL EXC.(SQ. FT)	4.4
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.7	EARTH EXC.(SQ. FT)	5.4
EMBANKMENT(SQ. FT)	3.1	EMBANKMENT(SQ. FT)	1.2
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

416+00.00



415+71.50

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	*	LAKE	554	447

FED. ROAD DIST. NO. ILLINOIS | FED. AID PROJECT

STA. TO STA.

* (L-22W,P3&6&4 & 6 EXT) HRS-1

GRAEF ANHALT SCHLOEMER & Associates Inc.
GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 N. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

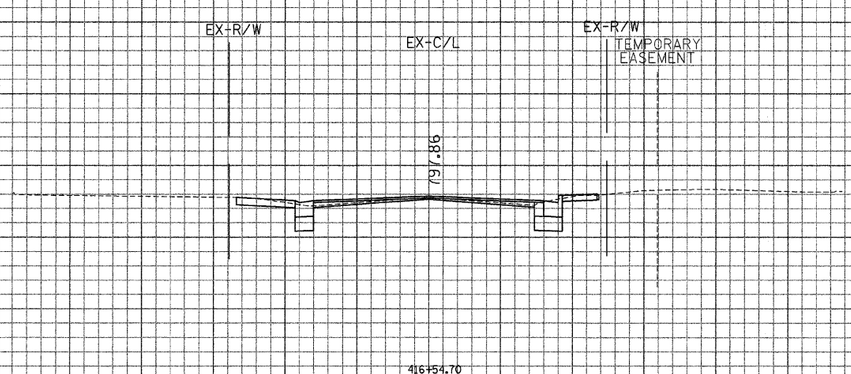
STA. 415+71.50 TO STA. 416+35.70

SCALE: HORIZ. 1" = 10'

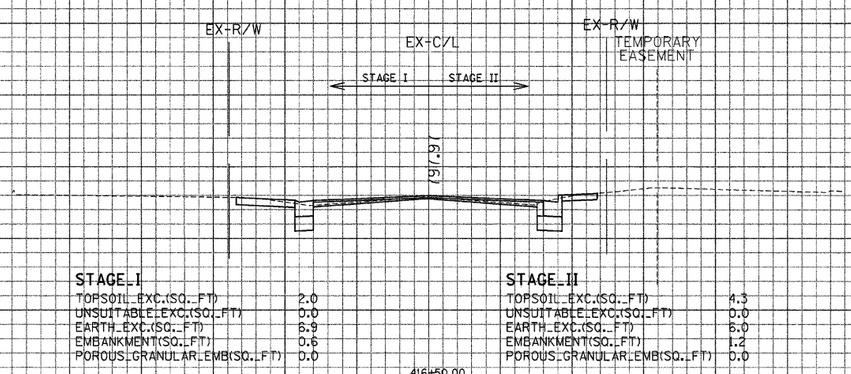
VERT. 1" = 5'

FILE: G:\20004024.N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/29/2008 8:24:27 AM



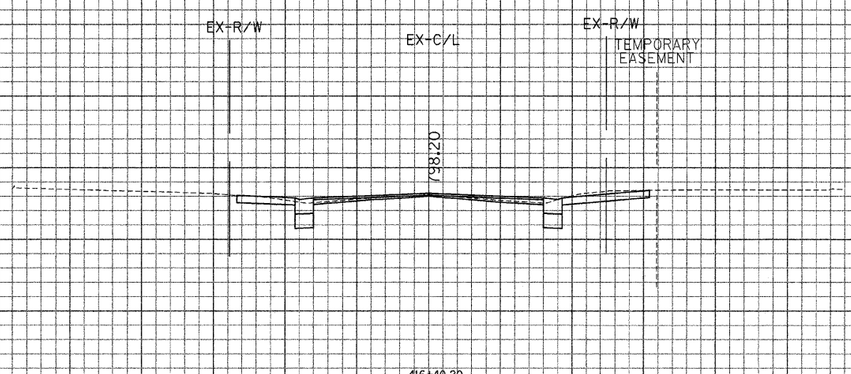
416+54.70



STAGE I	
TOPSOIL EXC.(SQ. FT)	2.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	8.9
EMBANKMENT(SQ. FT)	0.6
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	4.3
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.0
EMBANKMENT(SQ. FT)	1.2
POROUS GRANULAR EMB(SQ. FT)	0.0

416+50.00



416+40.20

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEETS	554
SHEET NO.	448

FED. ROAD DIST. NO. ILLINOIS | FED. AID PROJECT * (I-294/I-94 & 6 EXT) NHPS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 N. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

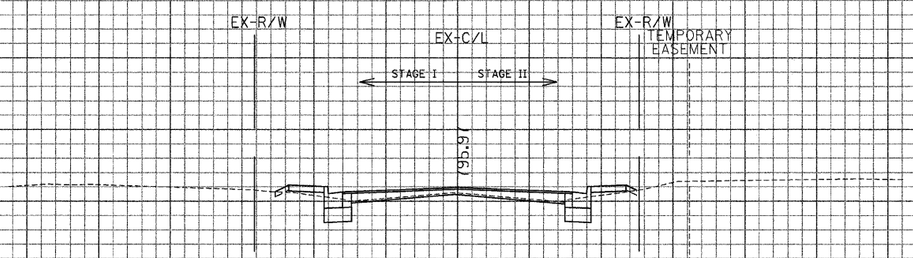
STA. 416+40.20 TO STA. 416+54.70

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

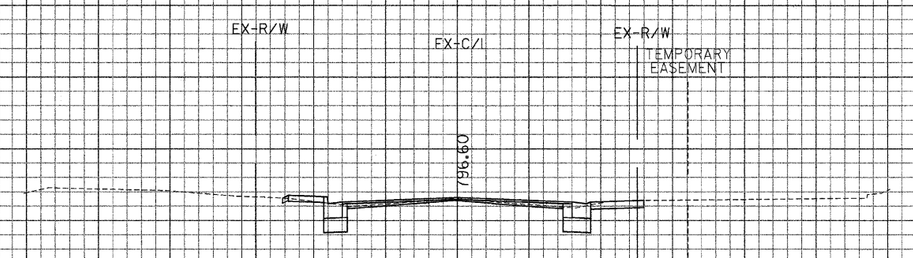
FILE: G:\20004024_NA\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/29/2008 8:24:43 AM

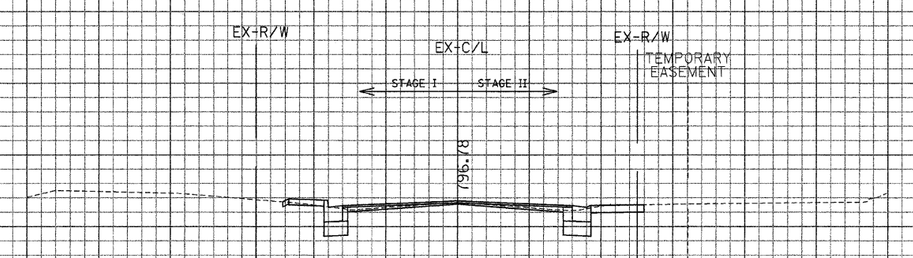


STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	5.3	TOPSOIL EXC.(SQ. FT)	5.0
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.6	EARTH EXC.(SQ. FT)	5.1
EMBANKMENT(SQ. FT)	4.3	EMBANKMENT(SQ. FT)	4.3
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

417+50.00



417+07.80



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	4.5	TOPSOIL EXC.(SQ. FT)	5.6
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.3	EARTH EXC.(SQ. FT)	5.5
EMBANKMENT(SQ. FT)	2.7	EMBANKMENT(SQ. FT)	0.7
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

417+00.00

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
866	•	LAKE	554 449

FED. ROAD DIST. NO. | STA. | TO STA. | ILLINOIS FED. AID PROJECT

* IL-22M/IM36.64 & 6 EXT) MRS-1

GRAEF ANHALT SCHLOEMER
GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

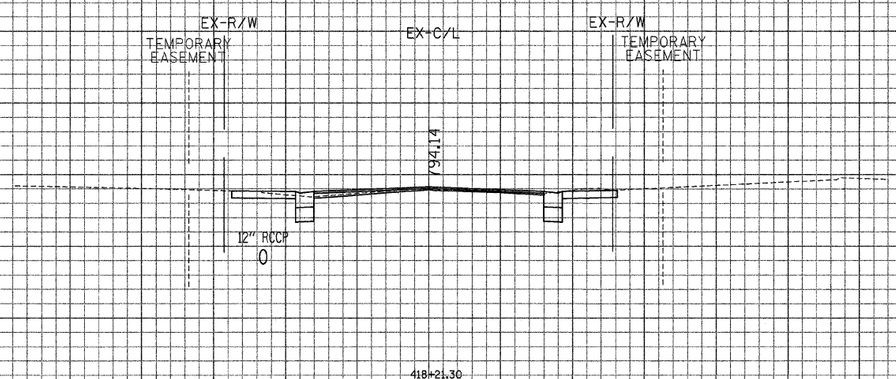
STA. 417+00 TO STA. 417+50

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\2002\4024_NN\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.cgn 2/29/2008 8:24:53 AM



418+21.30

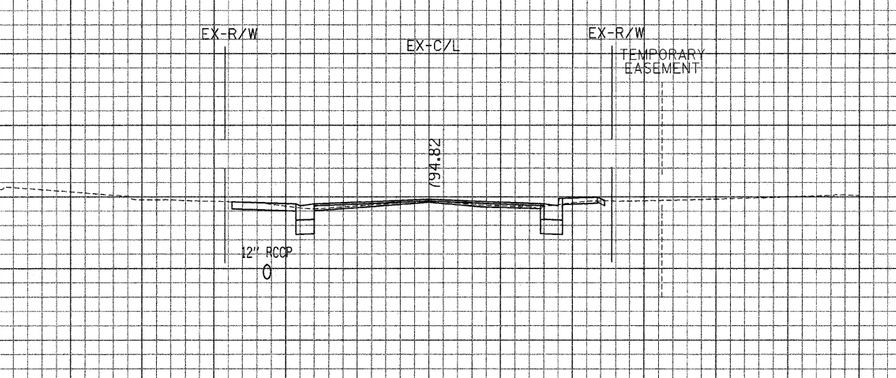
STAGE I

TOPSOIL EXC.(SQ. FT)	4.1
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.7
EMBANKMENT(SQ. FT)	2.4
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE III

TOPSOIL EXC.(SQ. FT)	4.4
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.0
EMBANKMENT(SQ. FT)	2.3
POROUS GRANULAR EMB(SQ. FT)	0.0

418+00.00



417+89.70

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
866	*	LAKE	554
FED. ROAD DIST. NO.	STA.	TO STA.	FED. AID PROJECT
ILLINOIS			450

* (L-2)M,(1)B,6A & 6 EXT) MRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

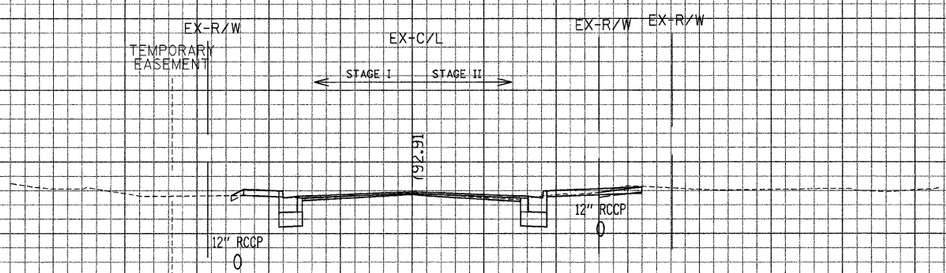
STA. 417+89.70 TO STA. 418+21.30

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\20804024_NV\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/29/2008 8:25:08 AM



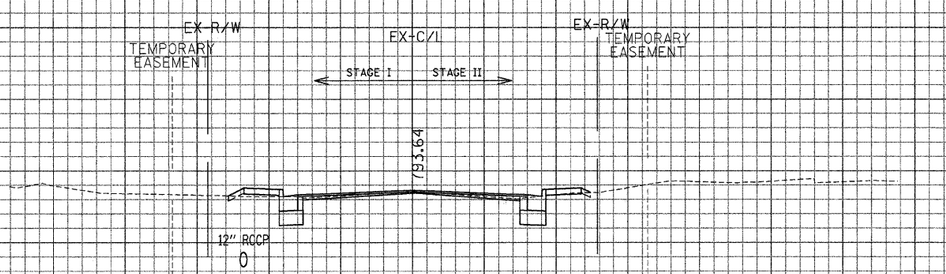
STAGE I

TOPSOIL EXC.(SQ. FT)	5.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.3
EMBANKMENT(SQ. FT)	3.2
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	8.4
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.3
EMBANKMENT(SQ. FT)	3.2
POROUS GRANULAR EMB(SQ. FT)	0.0

419+00.00



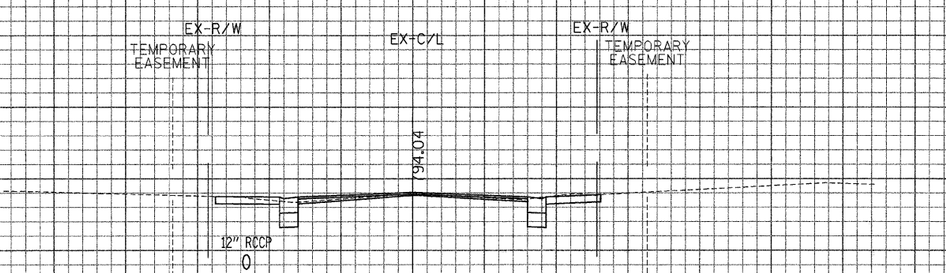
STAGE I

TOPSOIL EXC.(SQ. FT)	5.2
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.6
EMBANKMENT(SQ. FT)	4.1
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	4.9
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.9
EMBANKMENT(SQ. FT)	3.0
POROUS GRANULAR EMB(SQ. FT)	0.0

418+50.00



418+26.20

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

STA. 418+26.20 TO STA. 419+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

CONTRACT NO. 62700

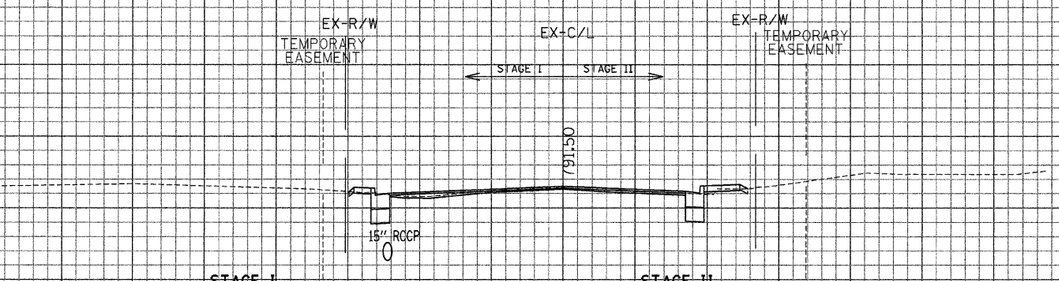
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	*	LAKE	554	451

FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT

STA. | TO STA.

* (L-2)M,3b6.64 & 6 EXT) MRS-1

FILE: G:\2000\4024_N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59



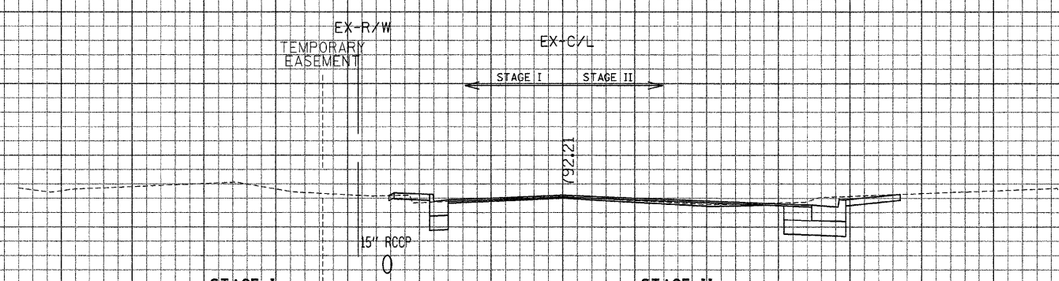
STAGE I

TOPSOIL EXC.(SQ. FT)	5.8
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.1
EMBANKMENT(SQ. FT)	9.9
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	2.4
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.4
EMBANKMENT(SQ. FT)	2.0
POROUS GRANULAR EMB(SQ. FT)	0.0

420+00.00



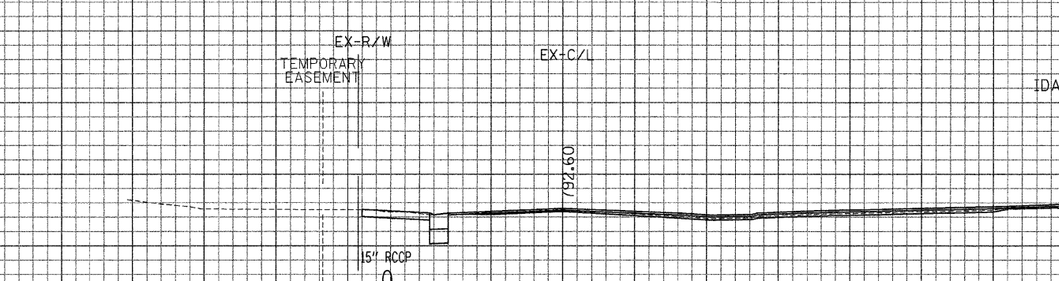
STAGE I

TOPSOIL EXC.(SQ. FT)	1.6
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.9
EMBANKMENT(SQ. FT)	1.2
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	9.2
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.8
EMBANKMENT(SQ. FT)	16.1
POROUS GRANULAR EMB(SQ. FT)	0.0

419+50.00



419+22.50

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

STA. 419+22.50 TO STA. 420+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

CONTRACT NO. 62700

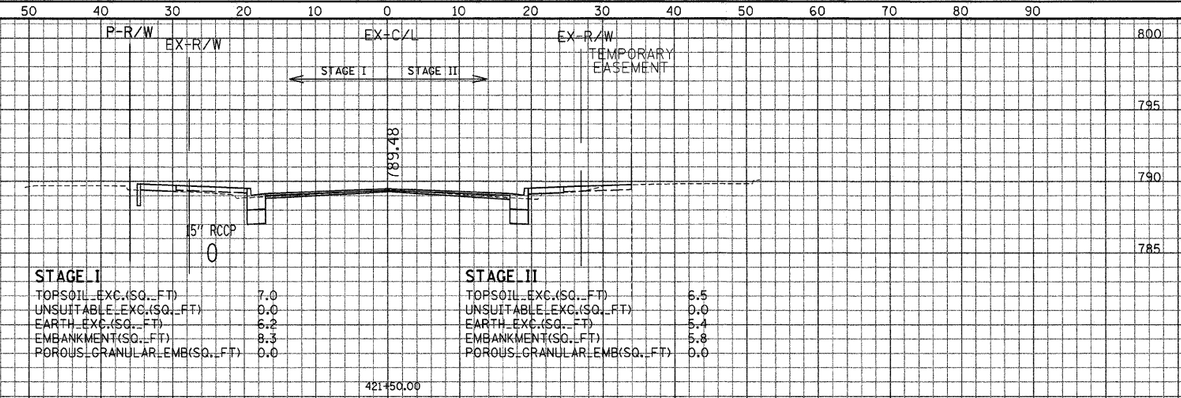
F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEET NO.	554
SHEET NO.	452

FED. ROAD DIST. NO. | STA. | TO STA. | ILLINOIS FED. AID PROJECT

* IL-22W/IM-64 & 6 EXT) MRS-1

FILE: G:\20020424_NV\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/29/2008 8:25:39 AM



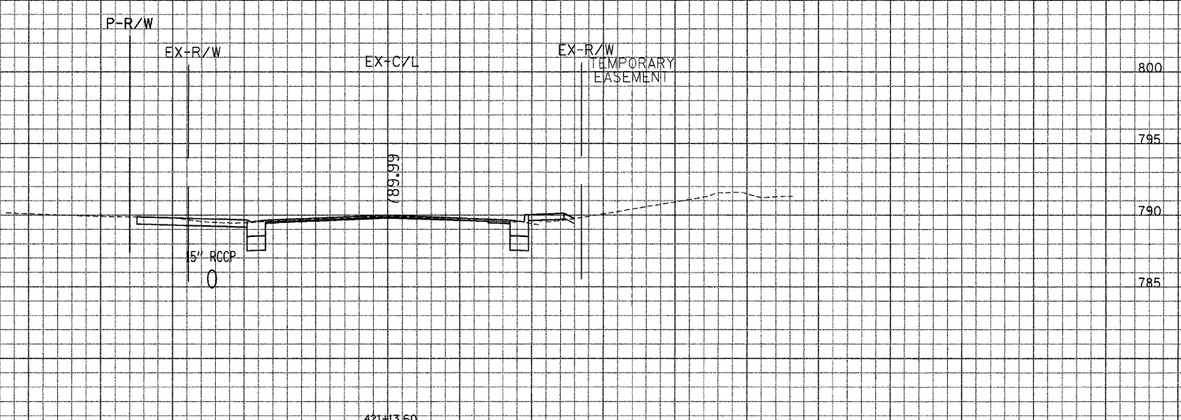
STAGE I

TOPSOIL EXC.(SQ. FT)	7.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.2
EMBANKMENT(SQ. FT)	8.3
POROUS GRANULAR EMB(SQ. FT)	0.0

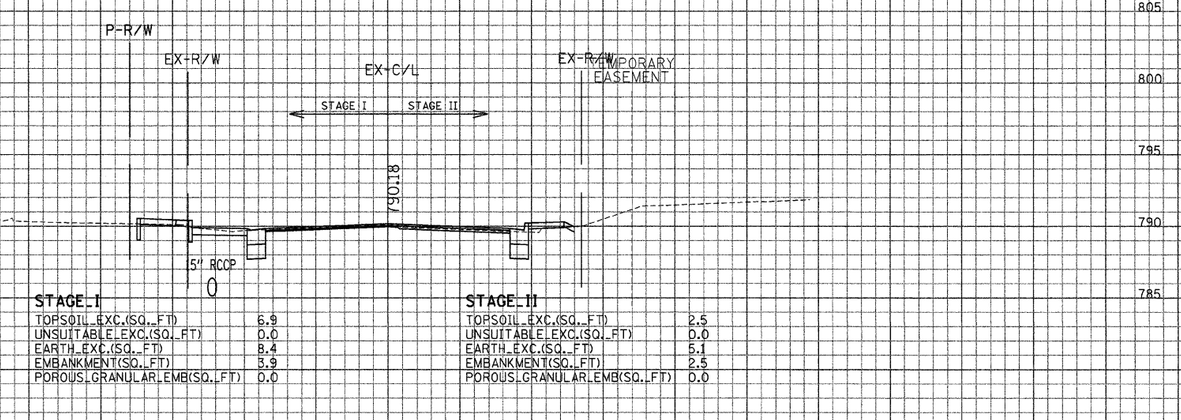
STAGE II

TOPSOIL EXC.(SQ. FT)	6.5
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.4
EMBANKMENT(SQ. FT)	5.8
POROUS GRANULAR EMB(SQ. FT)	0.0

421+50.00



421+13.60



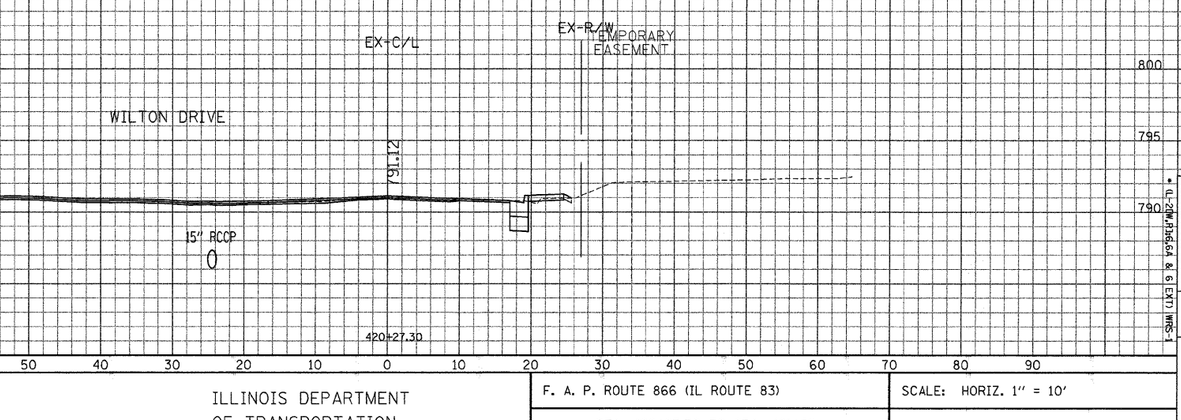
STAGE I

TOPSOIL EXC.(SQ. FT)	6.9
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	8.4
EMBANKMENT(SQ. FT)	8.9
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	2.5
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.1
EMBANKMENT(SQ. FT)	2.5
POROUS GRANULAR EMB(SQ. FT)	0.0

421+00.00



420+27.30

GRAEF ANHALT SCHLOEMER

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

STA. 420+27.30 TO STA. 421+50

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

CONTRACT NO. 62700

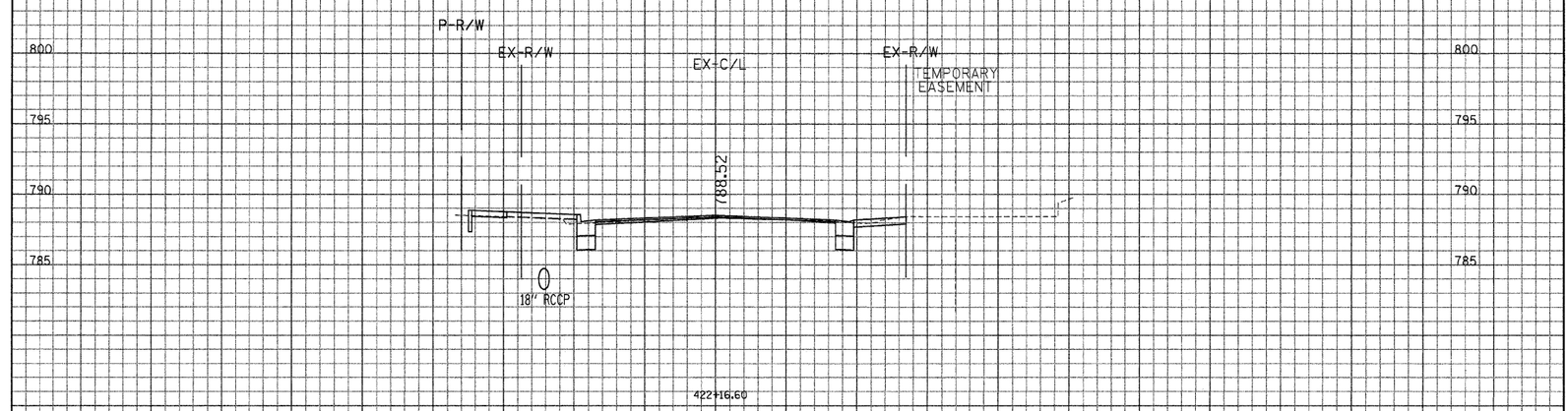
F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEET NO.	554
SHEET NO.	453

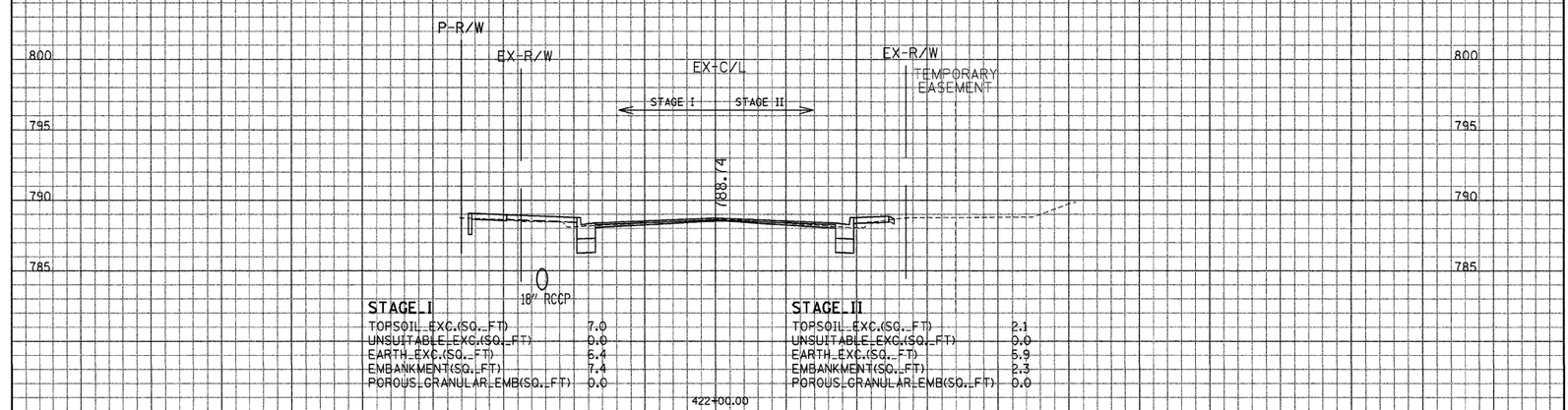
FED. ROAD DIST. NO. | STA. | TO STA. | ILLINOIS FED. AID PROJECT

* (L-2M,3M,3&4,4 & 6 EXT) HRS-1

FILE: G:\2000\0024_N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/29/2008 8:25:54 AM



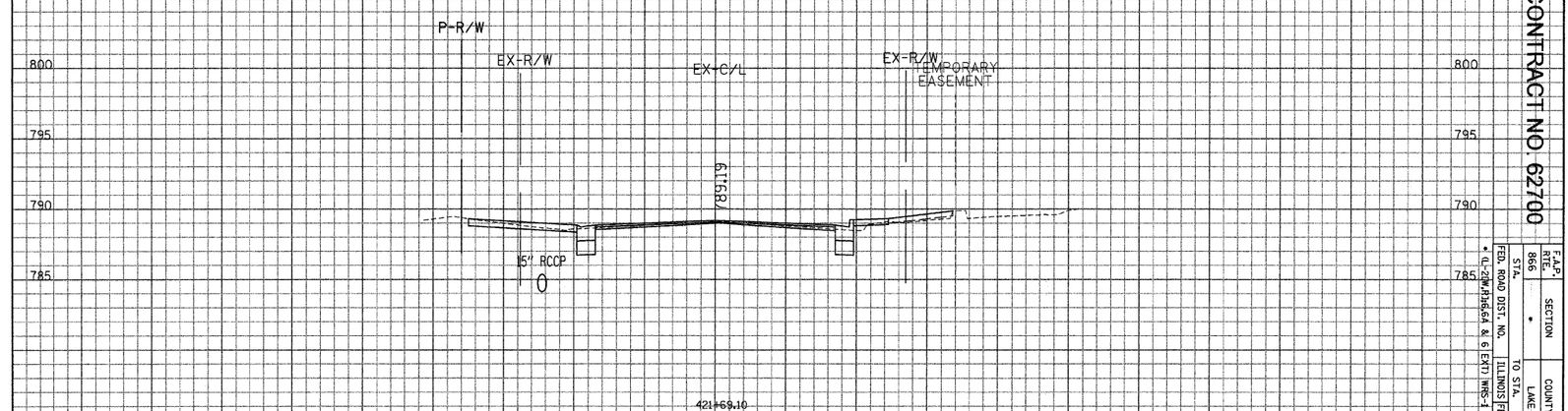


STAGE I

TOPSOIL EXC.(SQ. FT)	7.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.4
EMBANKMENT(SQ. FT)	7.4
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	2.1
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.9
EMBANKMENT(SQ. FT)	2.3
POROUS GRANULAR EMB(SQ. FT)	0.0



CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
866	*	LAKE	554 454

FED. ROAD DIST. NO.	STA.	TO STA.
ILLINOIS	FED. AID PROJECT	

* (L-2)M,P,3&4 & 6 EXT) HRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

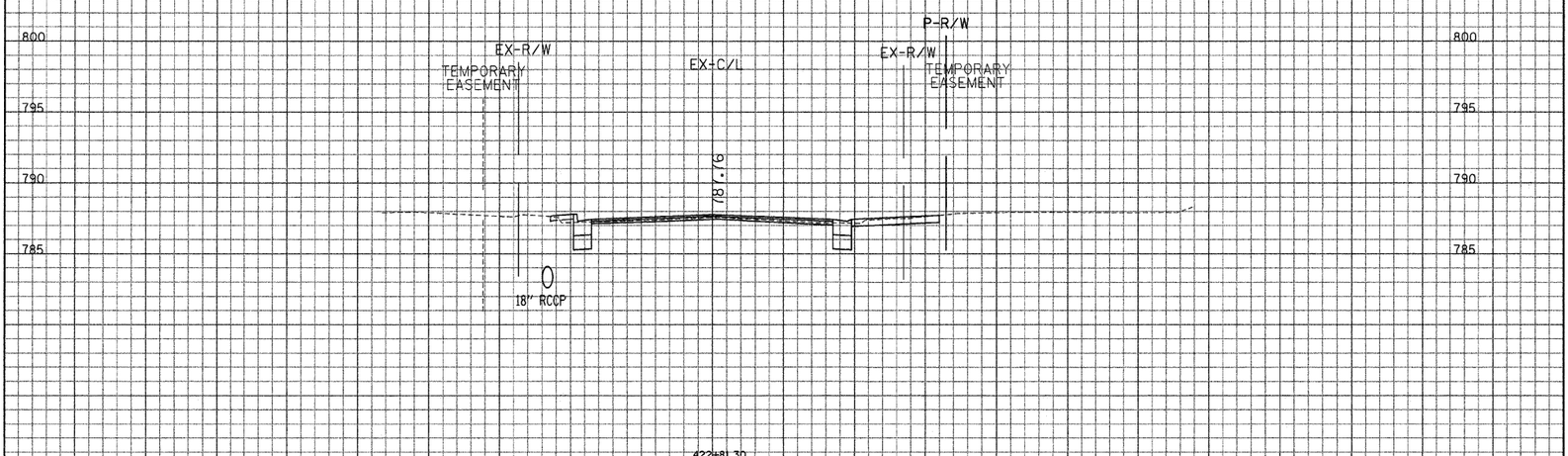
STA. 421+69.10 TO STA. 422+16.60

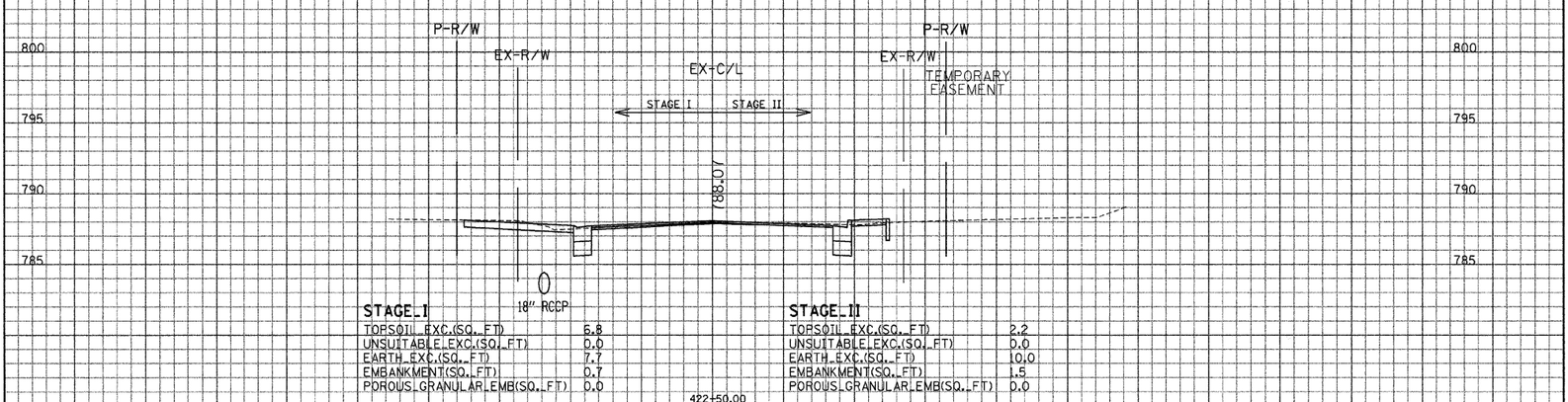
SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\20020424.N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/29/2008 8:26:03 AM



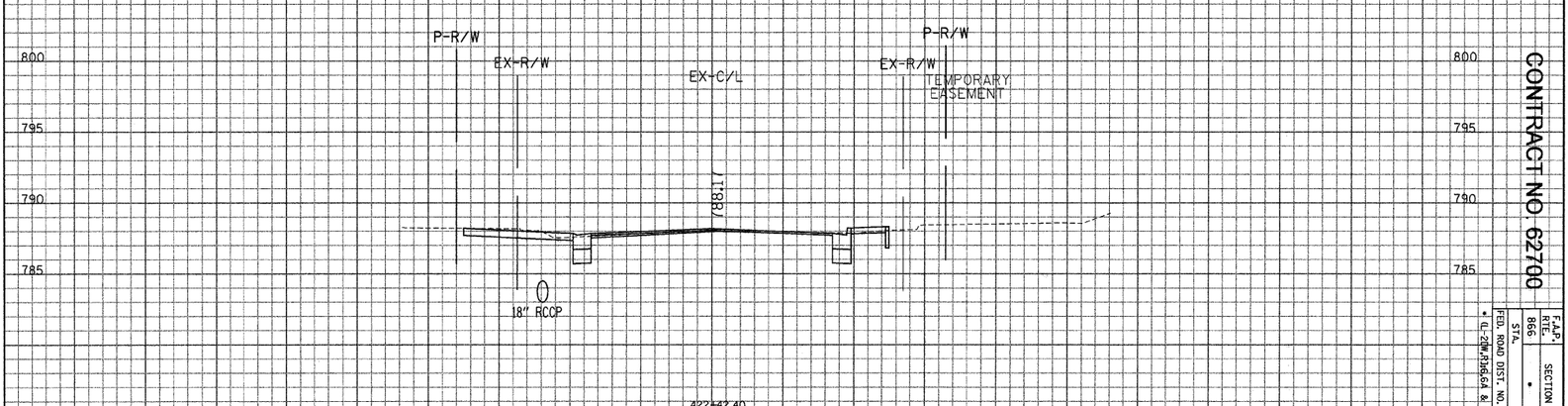


STAGE I

TOPSOIL EXC.(SQ. FT)	6.8
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	7.7
EMBANKMENT(SQ. FT)	0.7
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	2.2
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	10.0
EMBANKMENT(SQ. FT)	1.5
POROUS GRANULAR EMB(SQ. FT)	0.0



CONTRACT NO. 62700

FED. ROAD DIST. NO.	STA.	F.A.P. RTE.	866
* IL-2(M-73)64.64 & 6 (EXT) MRS-1	TO STA.	SECTION	*
ILLINOIS FED. AID PROJECT		COUNTY	LAKE
		TOTAL SHEET NO.	554
		SHEETS NO.	455

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

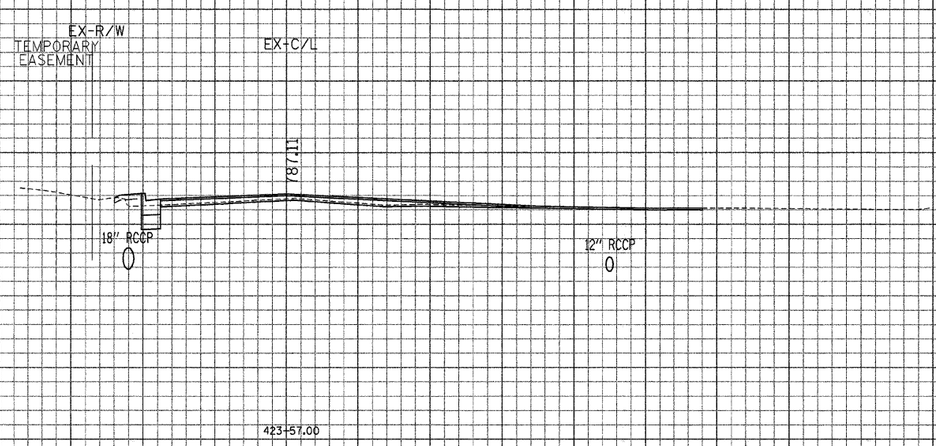
STA. 422+42.40 TO STA. 422+81.30

SCALE: HORIZ. 1" = 10'

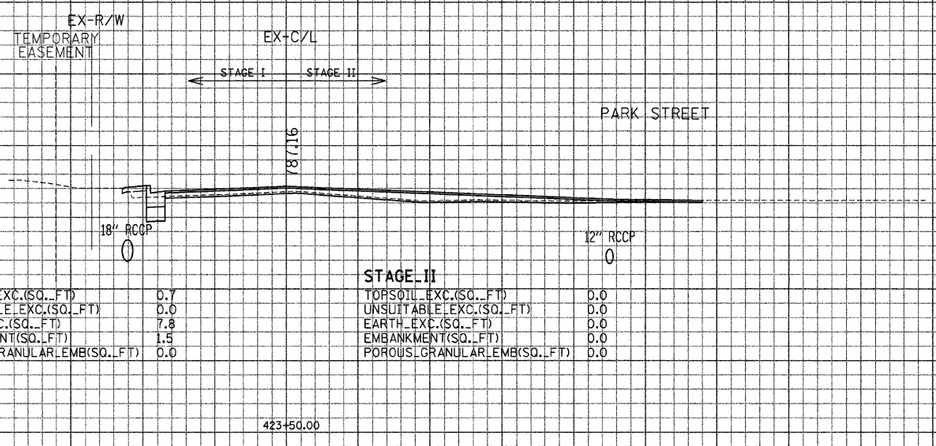
VERT. 1" = 5'

FILE: G:\20020424.N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/29/2008 8:26:17 AM

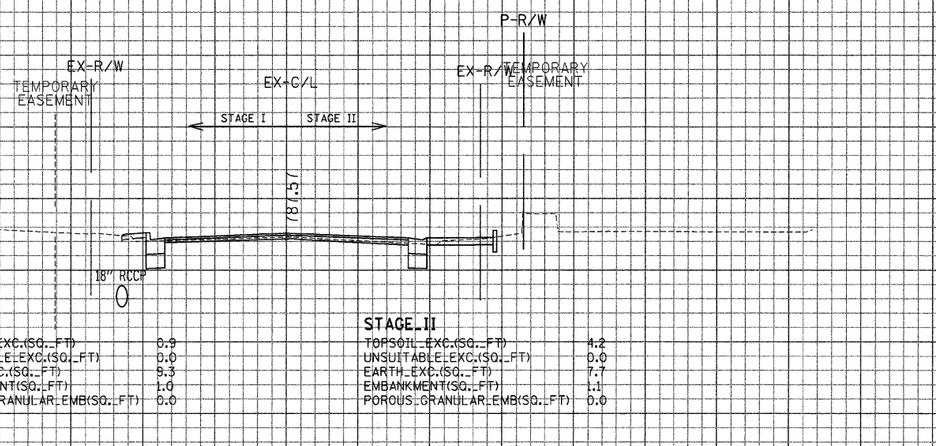


423+57.00



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	0.7	TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	7.8	EARTH EXC.(SQ. FT)	0.0
EMBANKMENT(SQ. FT)	1.5	EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

423+50.00



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	0.9	TOPSOIL EXC.(SQ. FT)	4.2
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	9.3	EARTH EXC.(SQ. FT)	7.7
EMBANKMENT(SQ. FT)	1.0	EMBANKMENT(SQ. FT)	1.1
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

423+00.00

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
866	*	LAKE	554
FED. ROAD DIST. NO.	STA.	TO STA.	FED. AID PROJECT
* (L-2W,7)5d,6A & 6 EXT) WRS-1		ILLINOIS	456

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

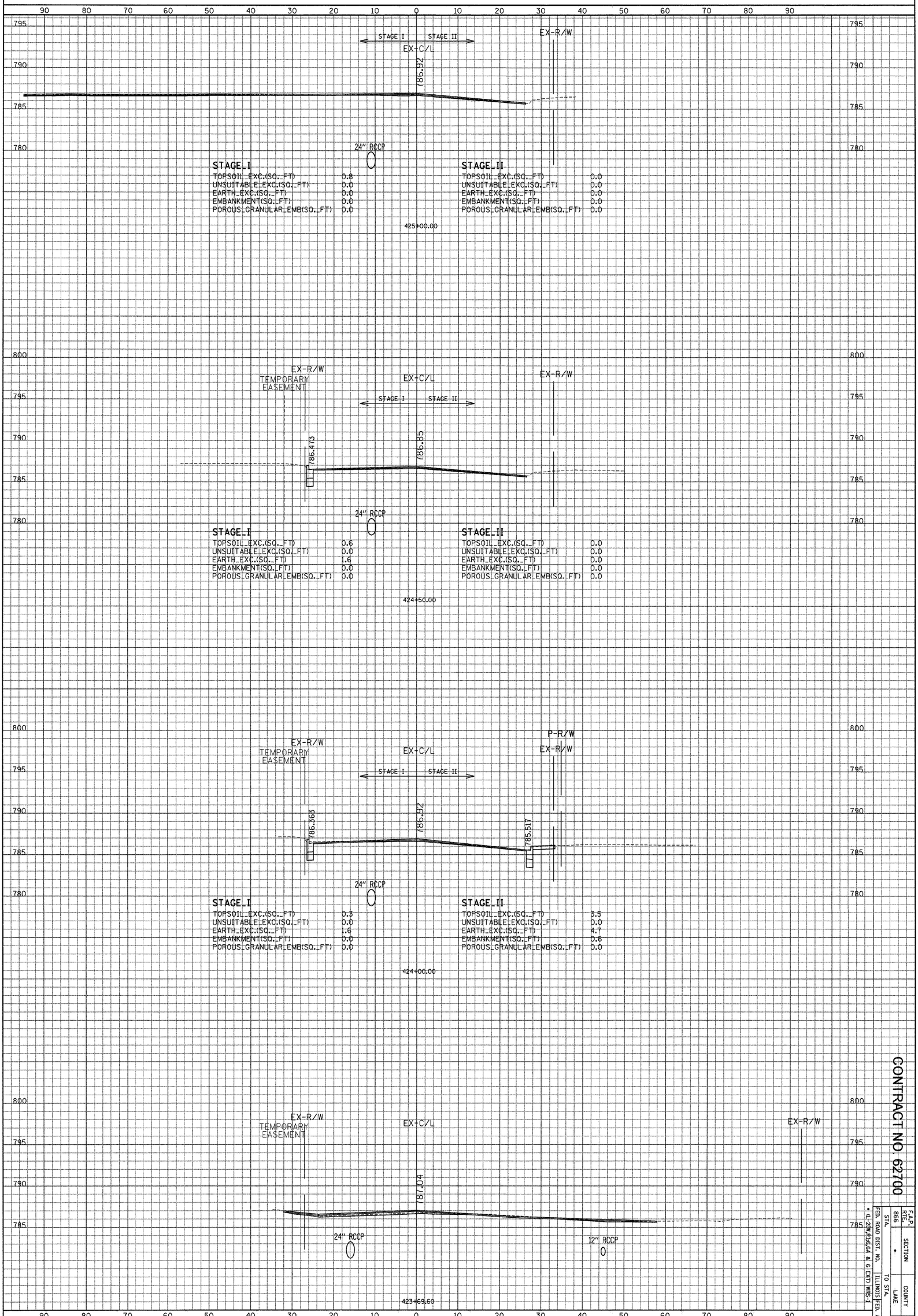
STA. 423+00 TO STA. 423+57

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\20020424_N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/29/2008 8:26:27 AM



CONTRACT NO. 62700

FED. ROAD DIST. NO.	STA.	F.A.P. RTE.
ILLINOIS FED. AID PROJECT	866	

SECTION	COUNTY	TOTAL SHEET SHEETS NO.
* IL-20M(134,64 & 6 EXT) MRS-1	LAKE	554 457

TO STA.

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

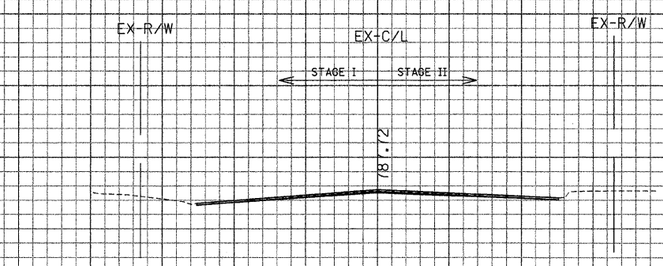
STA. 423+69.60 TO STA. 425+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\2020\4024_N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-24 14:59

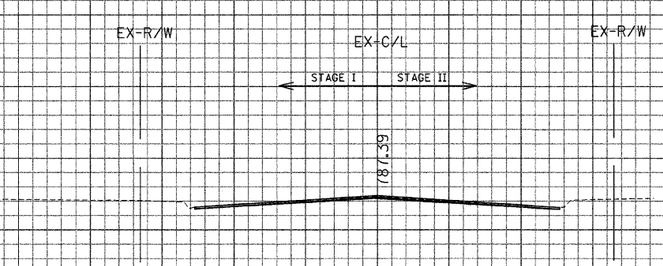
...\geo\Area_E\XSHT_E.dgn 2/29/2008 8:26:43 AM



24" RCCP

STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	0.0	TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	0.0	EARTH EXC.(SQ. FT)	0.0
EMBANKMENT(SQ. FT)	0.0	EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

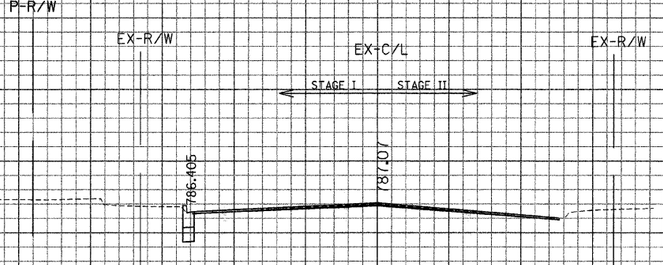
426+50.00



24" RCCP

STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	0.0	TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	0.0	EARTH EXC.(SQ. FT)	0.0
EMBANKMENT(SQ. FT)	0.0	EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

426+00.00



24" RCCP

STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	0.7	TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	2.6	EARTH EXC.(SQ. FT)	0.0
EMBANKMENT(SQ. FT)	0.0	EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

425+50.00

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	*	LAKE	554	458

FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT

STA. TO STA.

* (L-22W,1)b6.64 & 6 EXT) HRS-1

GRAEF ANHALT SCHLOEMER and Associates Inc.

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

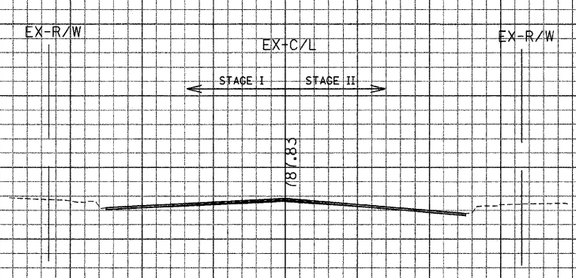
STA. 425+50 TO STA. 426+50

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\2004\24_N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

..\geo\Area_E\XSHT_E.dgn 2/29/2000 8:26:53 AM



24" RCCP

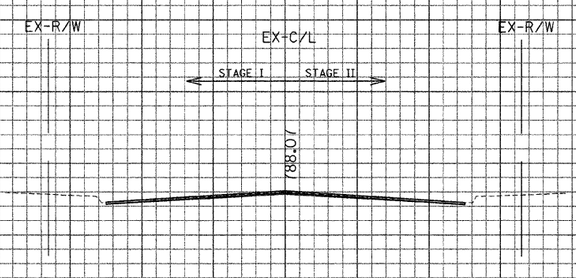
428+00.00

STAGE I

TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	0.0
EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	0.0
EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0



24" RCCP

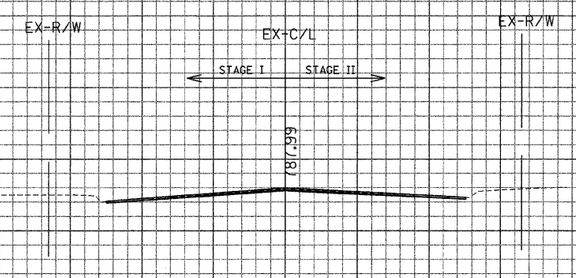
427+50.00

STAGE I

TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	0.0
EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	0.0
EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0



24" RCCP

427+00.00

STAGE I

TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	0.0
EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	0.0
EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	•	LAKE	554	459

FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT

STA. | TO STA.

• IL-22W,3b6.6A & 6 EXT) MRS-1

GRAEF ANHALT SCHLOEMER
GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

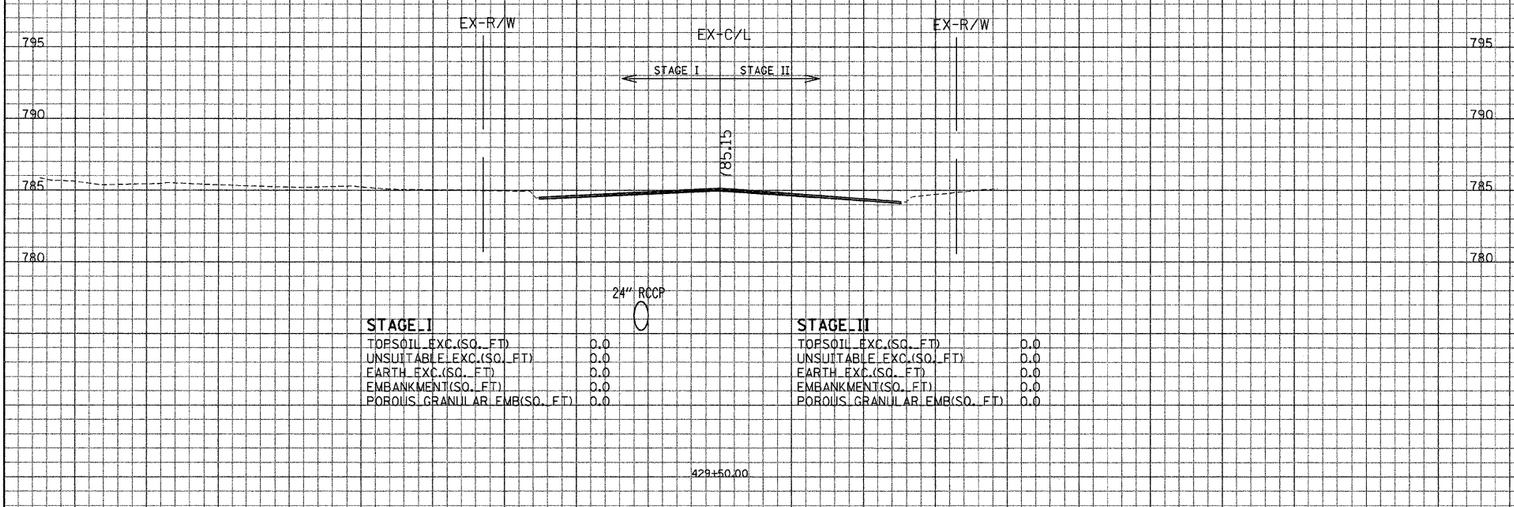
STA. 427+00 TO STA. 428+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

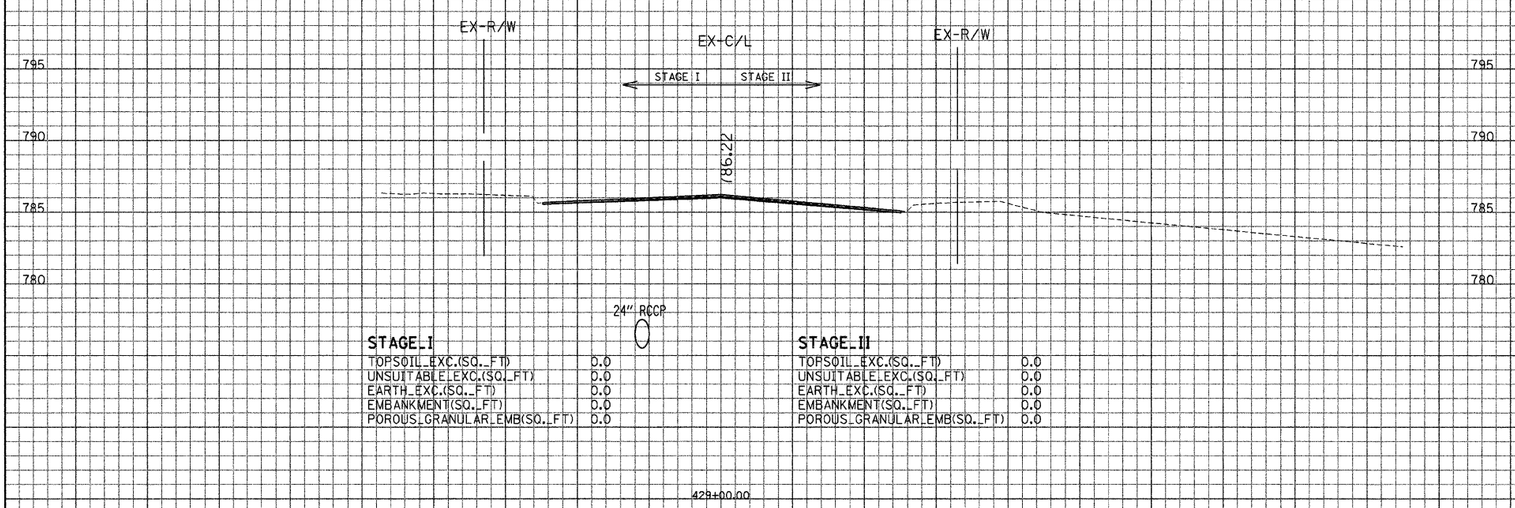
FILE: G:\2024\24_N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-24 14:59

...\geo\Area_E\XSHT_E.dgn 2/29/2008 8:27:07 AM



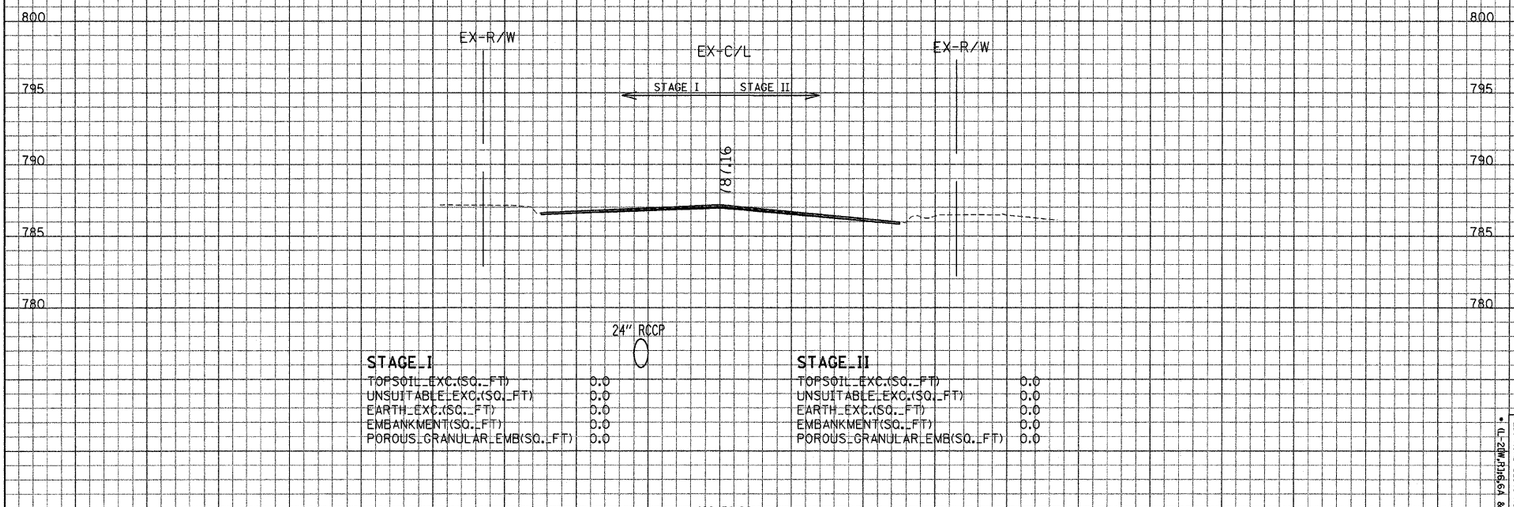
STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	0.0	TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	0.0	EARTH EXC.(SQ. FT)	0.0
EMBANKMENT(SQ. FT)	0.0	EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

429+50.00



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	0.0	TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	0.0	EARTH EXC.(SQ. FT)	0.0
EMBANKMENT(SQ. FT)	0.0	EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

428+00.00



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	0.0	TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	0.0	EARTH EXC.(SQ. FT)	0.0
EMBANKMENT(SQ. FT)	0.0	EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

428+50.00

CONTRACT NO. 62700

F.A.P. RTE.	SHEET NO.
866	TOTAL SHEETS
SECTION	554
*	COUNTY
TO STA.	LAKE
FED. ROAD DIST. NO.	FED. AID PROJECT
ILLINOIS	
* IL-22M,31b6,64 & 6 EXT) MRS-1	

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

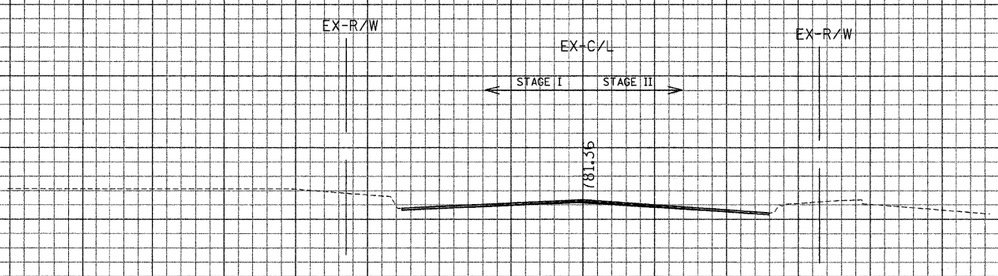
STA. 428+50 TO STA. 429+50

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\20004024_NV\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/29/2008 8:27:15 AM



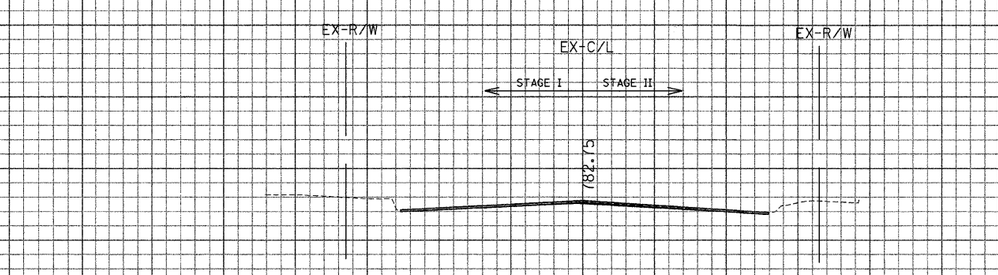
STAGE I

TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	0.0
EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	0.0
EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0

431+00.00



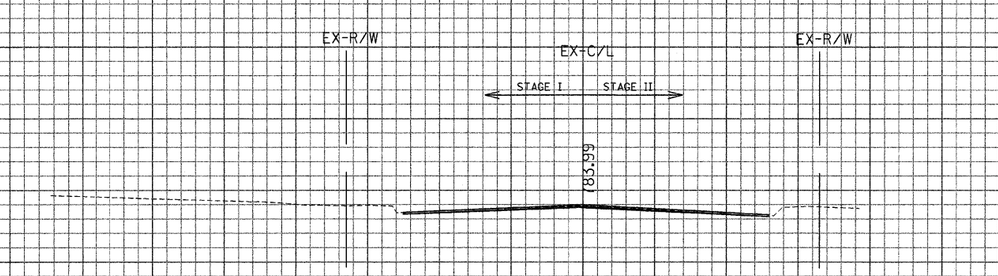
STAGE I

TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	0.0
EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	0.0
EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0

430+50.00



STAGE I

TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	0.0
EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	0.0
EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0

430+00.00

CONTRACT NO. 62700

F.A.P. RTE. 866	SECTION *	COUNTY LAKE	TOTAL SHEET SHEETS NO. 554 461
FED. ROAD DIST. NO. * (L-2DM,D1b&4 & 6 EXT)	STA.	TO STA.	ILLINOIS FED. AID PROJECT

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

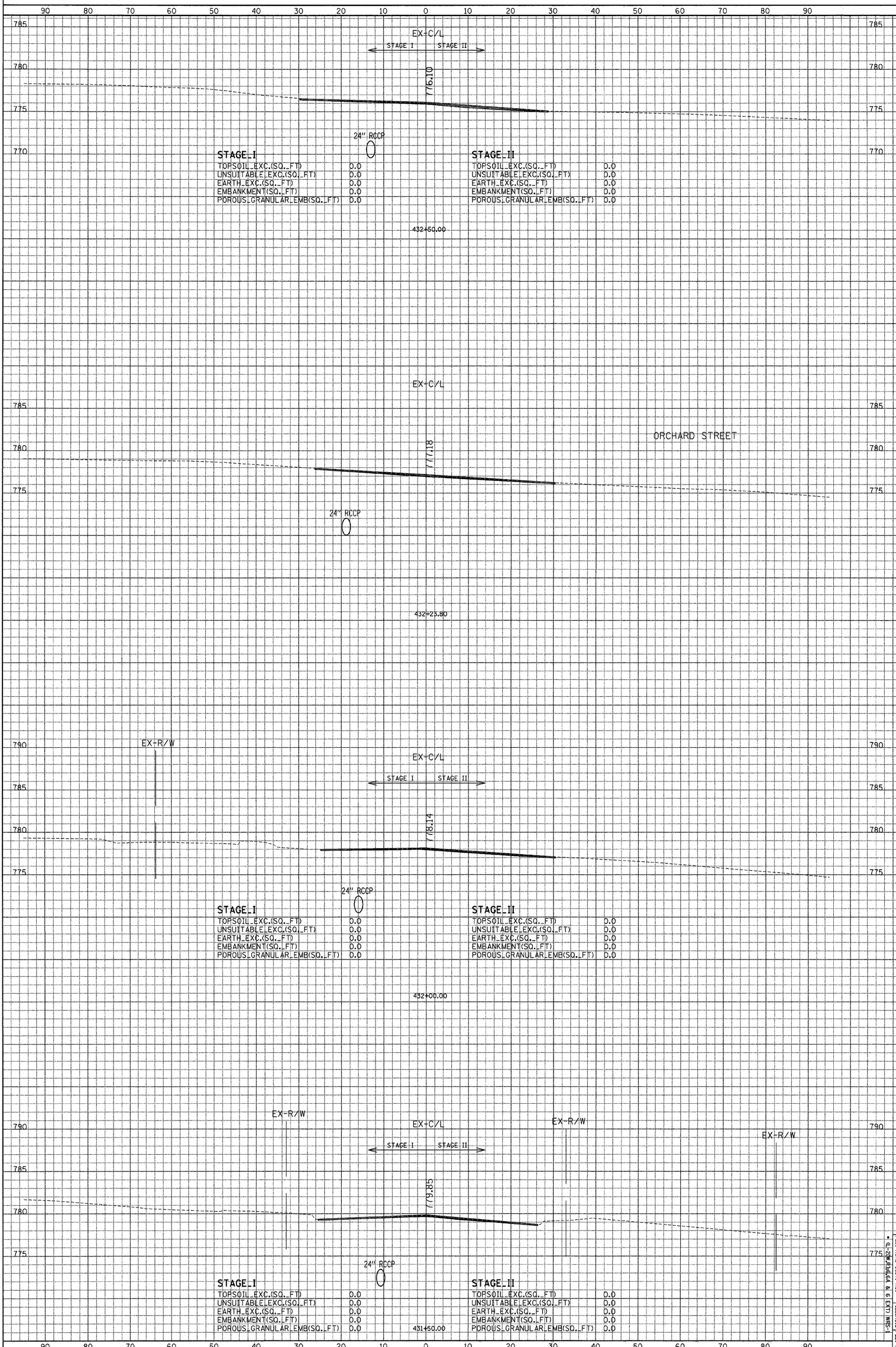
STA. 430+00 TO STA. 431+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\20204024.N\geo\Area_EXSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_EXSHT_E.dgn 2/29/2008 8:27:31 AM



CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	•	LAKE	554	462

FED. ROAD DIST. NO. | STA. | TO STA. | ILLINOIS FED. AID PROJECT

• IL-294 (I-94 & I-64 & 6 EXT) HRS-1

GRAEF ANHALT SCHLOEMER and Associates P.C.
GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

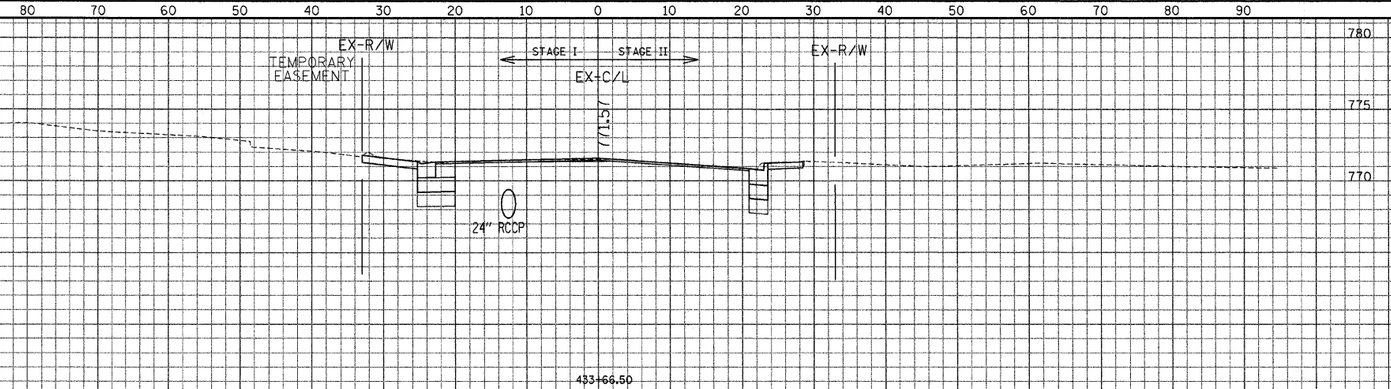
STA. 431+50 TO STA. 432+50

SCALE: HORIZ. 1" = 10'

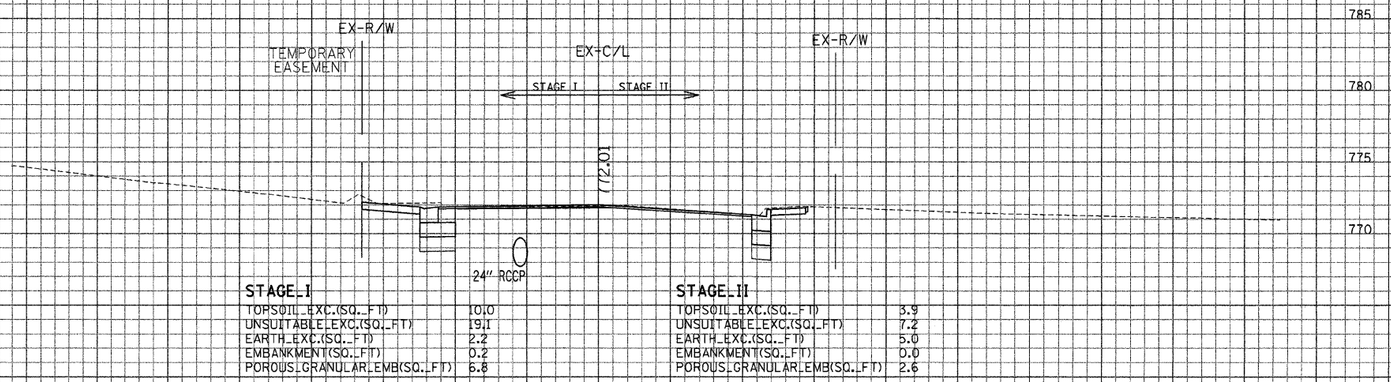
VERT. 1" = 5'

FILE: G:\2020\4024_N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

..\geo\Area_E\XSHT_E.dgn 2/29/2008 8:27:48 AM

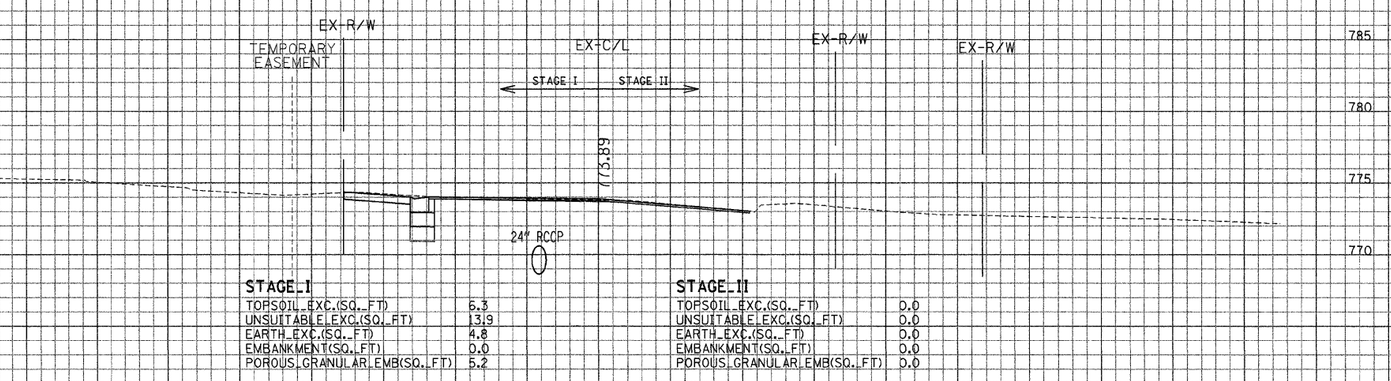


433+66.50



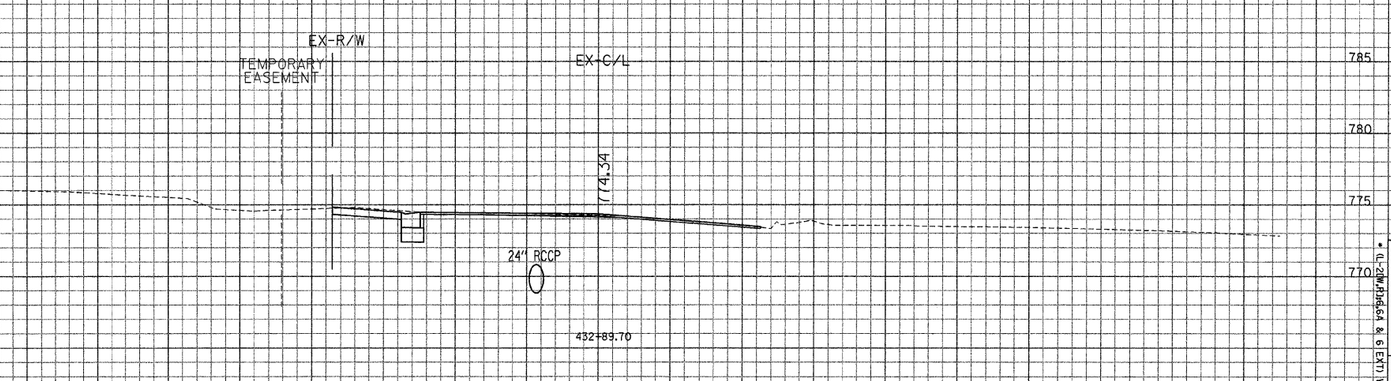
STAGE_I		STAGE_II	
TOPSOIL_EXC.(SQ._FT)	10.0	TOPSOIL_EXC.(SQ._FT)	3.9
UNSUITABLE_EXC.(SQ._FT)	19.1	UNSUITABLE_EXC.(SQ._FT)	7.2
EARTH_EXC.(SQ._FT)	2.2	EARTH_EXC.(SQ._FT)	5.0
EMBANKMENT(SQ._FT)	0.2	EMBANKMENT(SQ._FT)	0.0
POROUS_GRANULAR_EMB(SQ._FT)	6.8	POROUS_GRANULAR_EMB(SQ._FT)	2.6

433+50.00



STAGE_I		STAGE_II	
TOPSOIL_EXC.(SQ._FT)	6.3	TOPSOIL_EXC.(SQ._FT)	0.0
UNSUITABLE_EXC.(SQ._FT)	13.9	UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	4.8	EARTH_EXC.(SQ._FT)	0.0
EMBANKMENT(SQ._FT)	0.0	EMBANKMENT(SQ._FT)	0.0
POROUS_GRANULAR_EMB(SQ._FT)	5.2	POROUS_GRANULAR_EMB(SQ._FT)	0.0

433+00.00



432+89.70

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
866	*	LAKE	554
FED. ROAD DIST. NO.	STA.	TO STA.	FED. AID PROJECT
ILLINOIS			463

* (L-2)M,P,D&E4 & 6 EXT) MRS-1

GRAEF ANHALT SCHLOEMER
GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

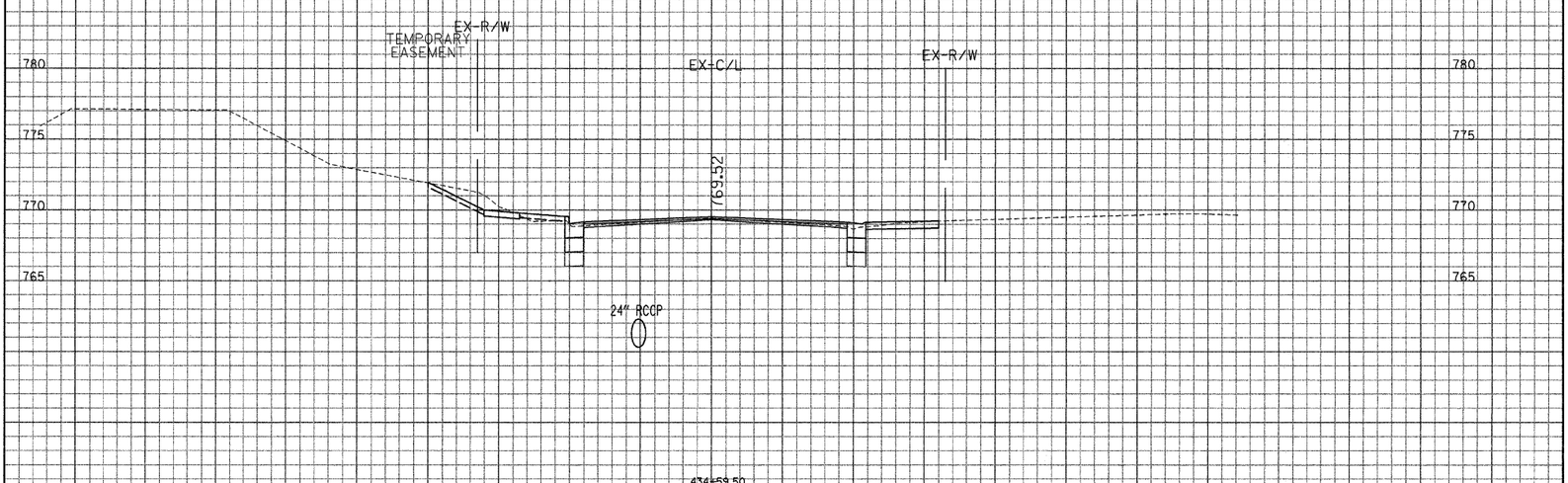
STA. 432+89.70 TO STA. 433+66.50

SCALE: HORIZ. 1" = 10'

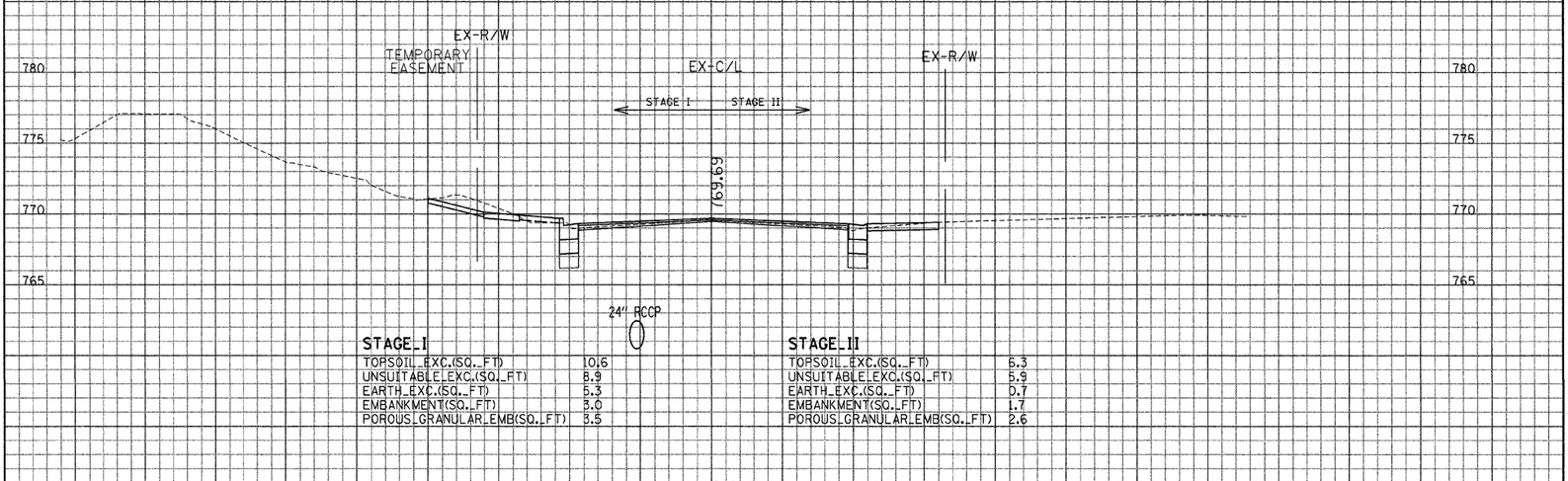
VERT. 1" = 5'

FILE: G:\2000\024_NV\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/29/2008 6:28:07 AM



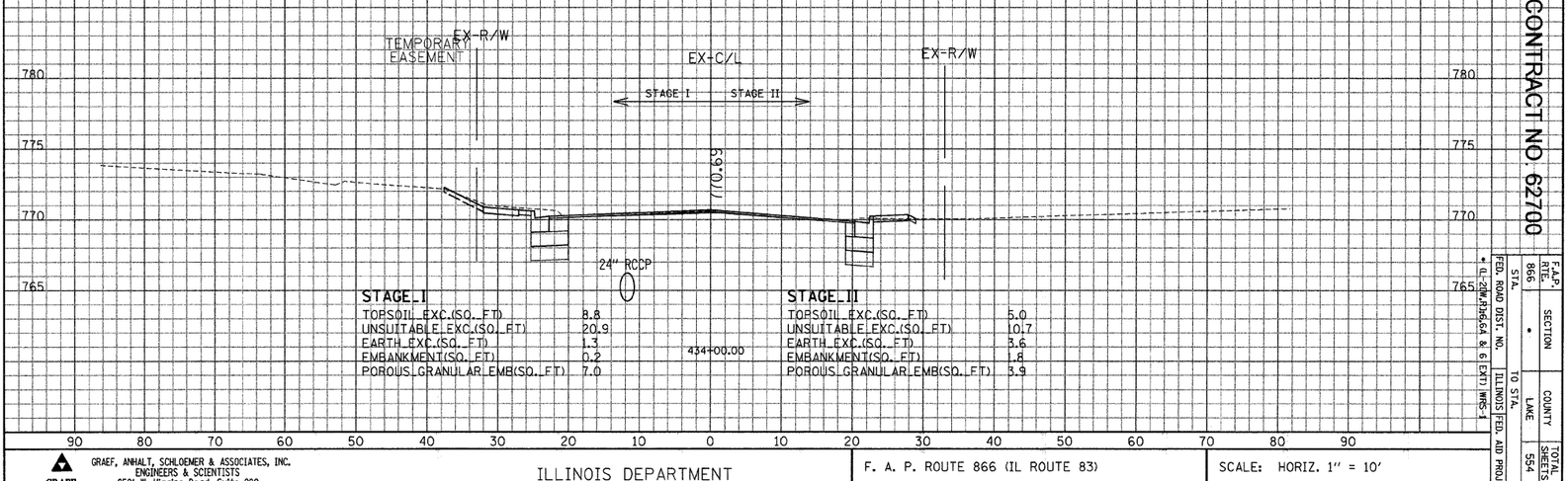
434+59.50



STAGE I	
TOPSOIL EXC.(SQ. FT)	10.6
UNSUITABLE EXC.(SQ. FT)	8.9
EARTH EXC.(SQ. FT)	5.3
EMBANKMENT(SQ. FT)	3.0
POROUS GRANULAR EMB(SQ. FT)	3.5

STAGE II	
TOPSOIL EXC.(SQ. FT)	6.3
UNSUITABLE EXC.(SQ. FT)	5.9
EARTH EXC.(SQ. FT)	0.7
EMBANKMENT(SQ. FT)	1.7
POROUS GRANULAR EMB(SQ. FT)	2.6

434+50.00



STAGE I	
TOPSOIL EXC.(SQ. FT)	8.8
UNSUITABLE EXC.(SQ. FT)	20.9
EARTH EXC.(SQ. FT)	1.3
EMBANKMENT(SQ. FT)	0.2
POROUS GRANULAR EMB(SQ. FT)	7.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	5.0
UNSUITABLE EXC.(SQ. FT)	10.7
EARTH EXC.(SQ. FT)	3.6
EMBANKMENT(SQ. FT)	1.8
POROUS GRANULAR EMB(SQ. FT)	3.9

434+00.00

CONTRACT NO. 62700

FED. ROAD DIST. NO.	STA.	SECTION	F.A.P. RTE.
ILLINOIS	TO STA.	COUNTY	TOTAL SHEET SHEETS NO.
FED. AID PROJECT		LAKE	554 464

* (L-2)M,P3+64.64 & 6 EXT) HMS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

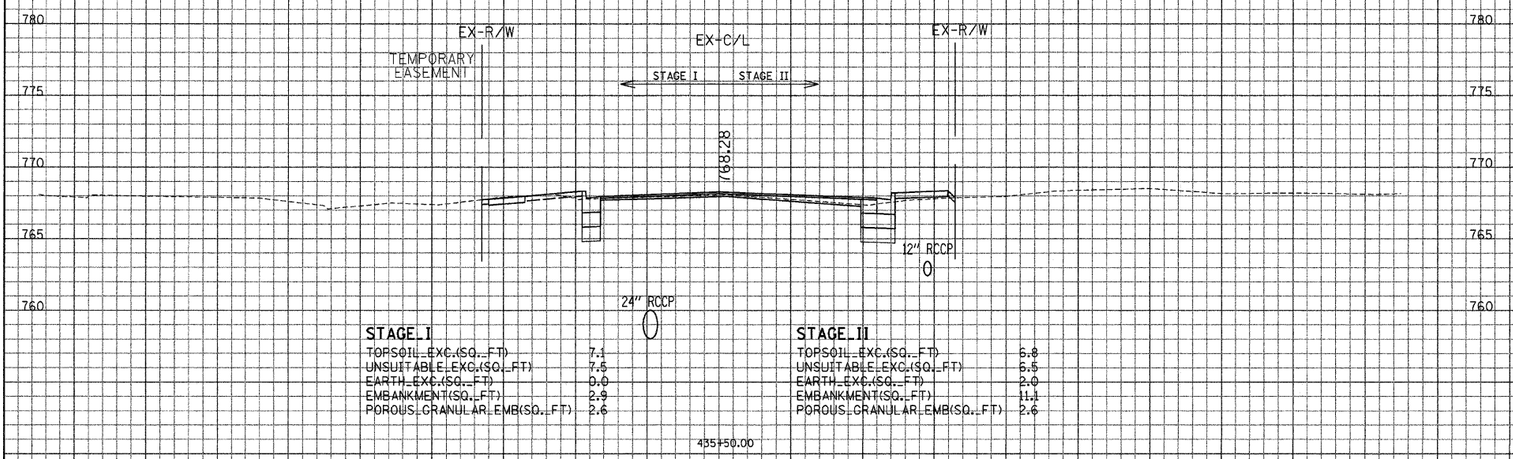
STA. 434+00 TO STA. 434+59.50

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\2008\4024_NV\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/29/2008 8:28:24 AM



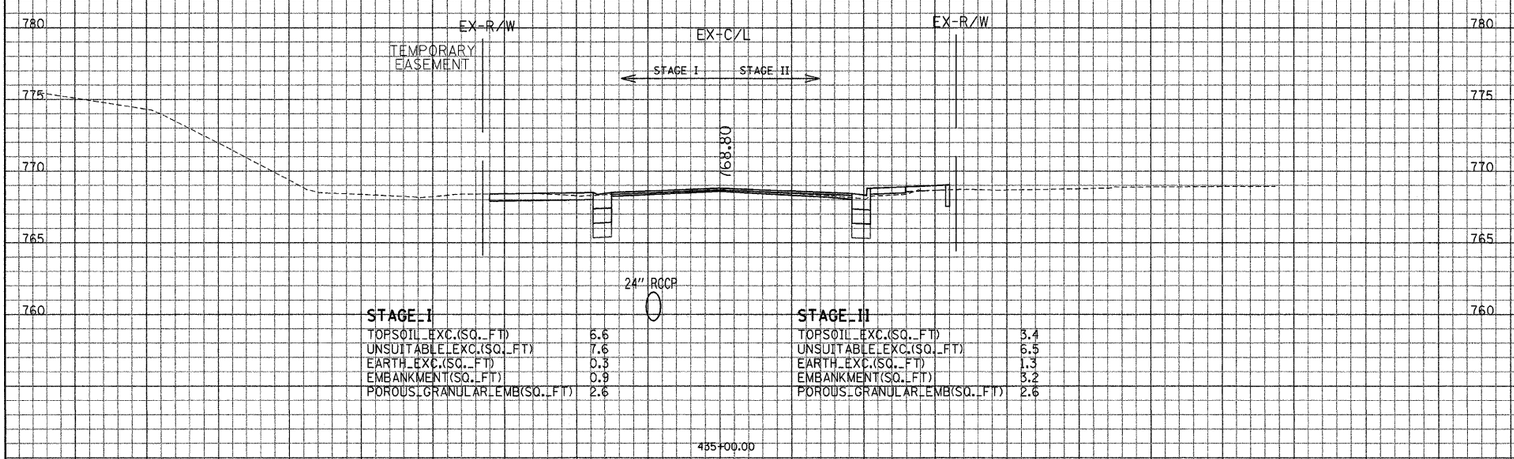
STAGE I

TOPSOIL EXC.(SQ. FT)	7.1
UNSUITABLE EXC.(SQ. FT)	7.5
EARTH EXC.(SQ. FT)	0.0
EMBANKMENT(SQ. FT)	2.9
POROUS GRANULAR EMB(SQ. FT)	2.6

STAGE II

TOPSOIL EXC.(SQ. FT)	6.8
UNSUITABLE EXC.(SQ. FT)	6.5
EARTH EXC.(SQ. FT)	2.0
EMBANKMENT(SQ. FT)	11.1
POROUS GRANULAR EMB(SQ. FT)	2.6

435+50.00



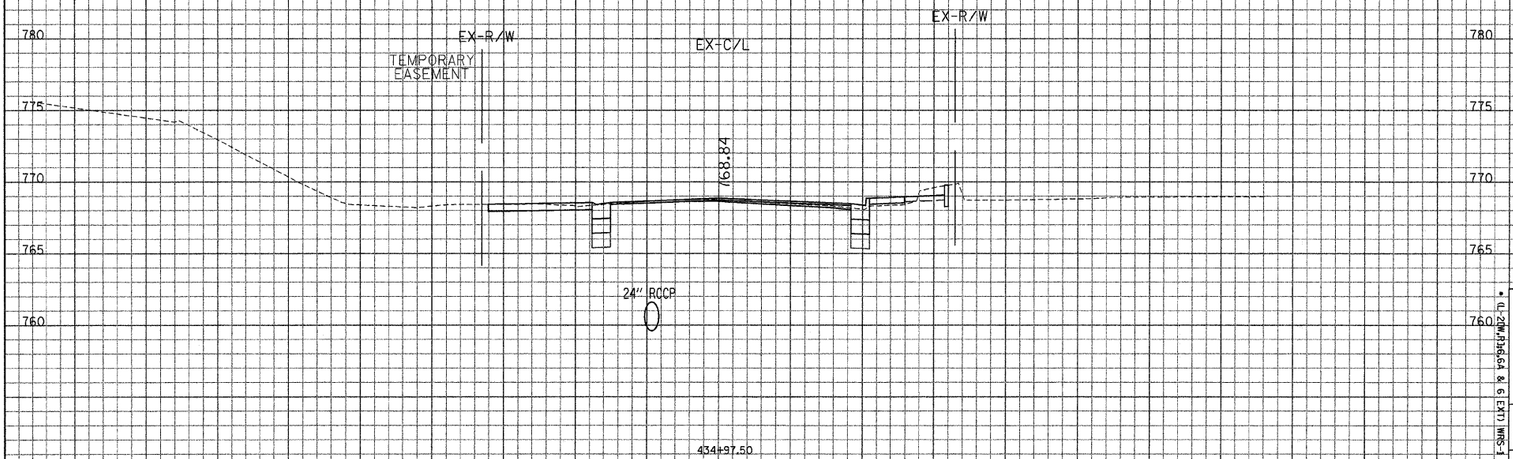
STAGE I

TOPSOIL EXC.(SQ. FT)	6.6
UNSUITABLE EXC.(SQ. FT)	7.6
EARTH EXC.(SQ. FT)	0.3
EMBANKMENT(SQ. FT)	0.9
POROUS GRANULAR EMB(SQ. FT)	2.6

STAGE II

TOPSOIL EXC.(SQ. FT)	3.4
UNSUITABLE EXC.(SQ. FT)	6.5
EARTH EXC.(SQ. FT)	1.3
EMBANKMENT(SQ. FT)	3.2
POROUS GRANULAR EMB(SQ. FT)	2.6

435+00.00



434+97.50

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

STA. 434+97.50 TO STA. 435+50

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

CONTRACT NO. 62700

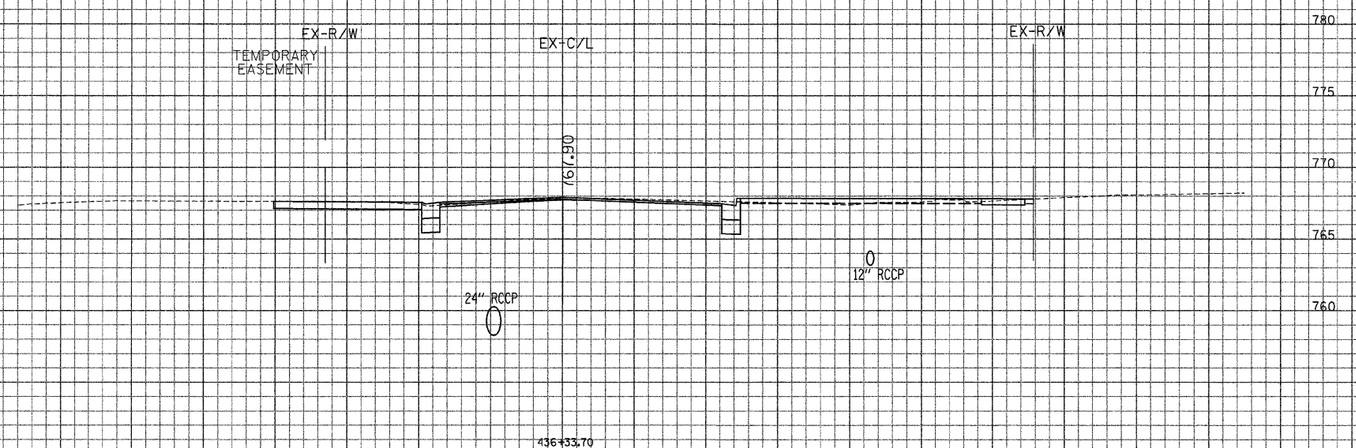
F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEETS	554
SHEET NO.	465

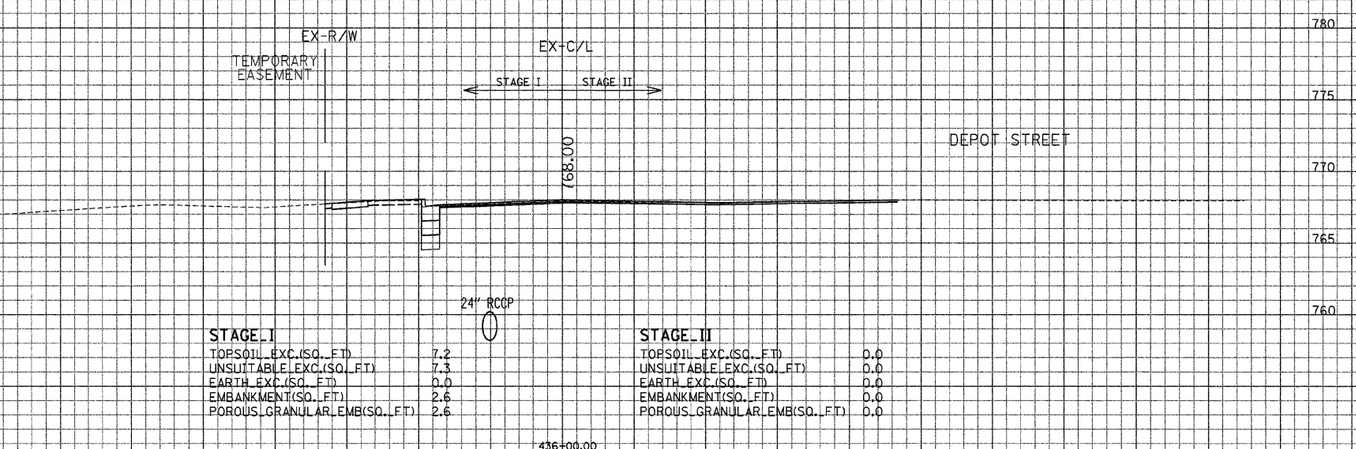
FED. ROAD DIST. NO. | STA. | TO STA. | ILLINOIS FED. AID PROJECT

* IL 22W-73+5.64 & 6 EXT) MRS-1

FILE: G:\20040824_NV\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/29/2008 8:28:43 AM



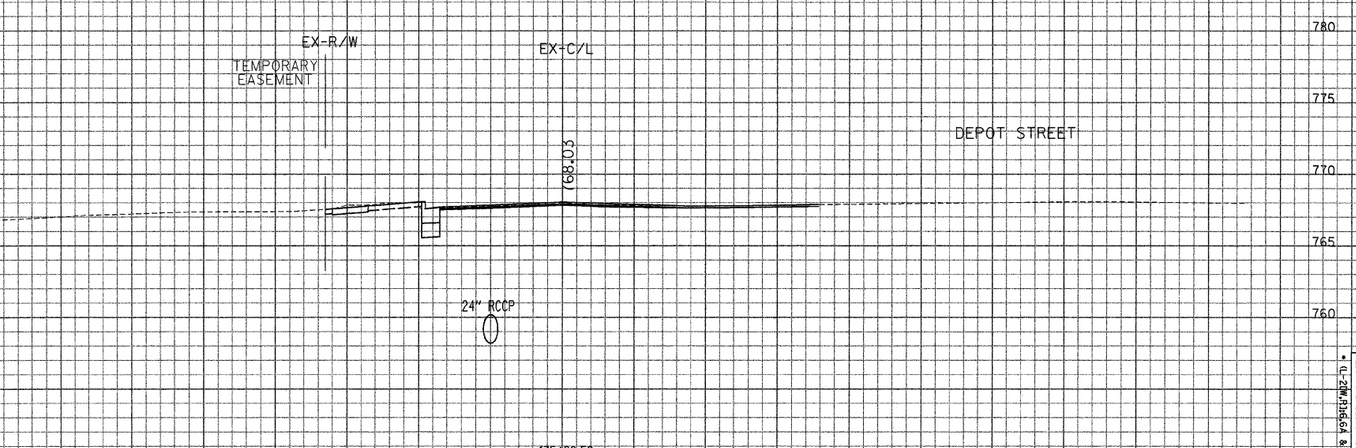


STAGE I

TOPSOIL EXC.(SQ. FT)	7.2
UNSUITABLE EXC.(SQ. FT)	7.3
EARTH EXC.(SQ. FT)	0.0
EMBANKMENT(SQ. FT)	2.6
POROUS GRANULAR EMB(SQ. FT)	2.6

STAGE II

TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	0.0
EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	0.0



GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

STA. 435+90.50 TO STA. 436+33.70

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEETS	554
SHEET NO.	466

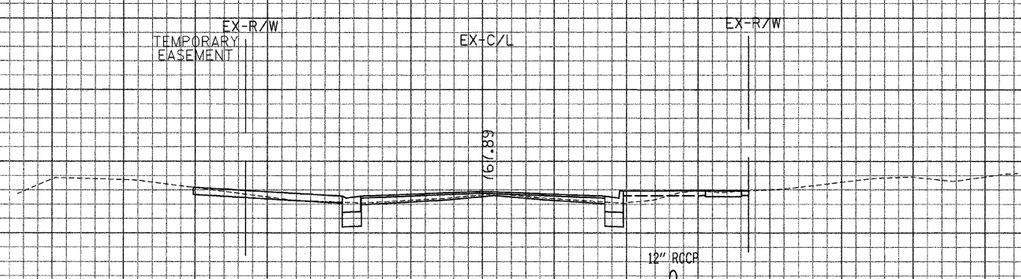
FED. ROAD DIST. NO. ILLINOIS | FED. AID PROJECT

STA. TO STA.

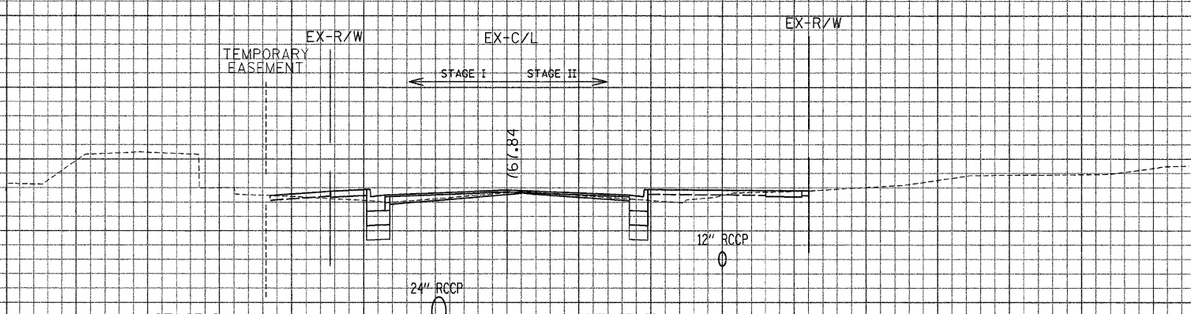
* IL-22W,23H,64 & 6 EXT) MRS-1

FILE: G:\20024024_N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/29/2008 9:08:27 AM



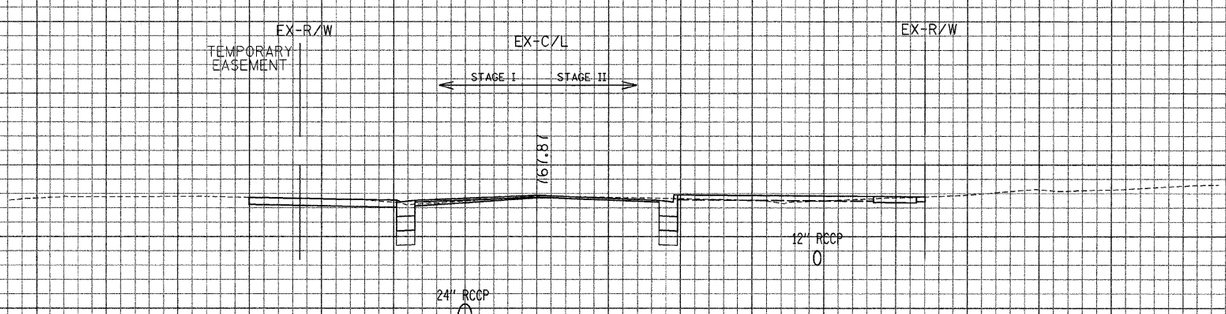
437+36.20



STAGE I	
TOPSOIL EXC.(SQ. FT)	8.3
UNSUITABLE EXC.(SQ. FT)	6.8
EARTH EXC.(SQ. FT)	0.0
EMBANKMENT(SQ. FT)	9.7
POROUS GRANULAR EMB(SQ. FT)	3.2

STAGE II	
TOPSOIL EXC.(SQ. FT)	8.8
UNSUITABLE EXC.(SQ. FT)	7.2
EARTH EXC.(SQ. FT)	1.0
EMBANKMENT(SQ. FT)	9.8
POROUS GRANULAR EMB(SQ. FT)	2.6

437+00.00



STAGE I	
TOPSOIL EXC.(SQ. FT)	11.4
UNSUITABLE EXC.(SQ. FT)	6.3
EARTH EXC.(SQ. FT)	1.1
EMBANKMENT(SQ. FT)	0.6
POROUS GRANULAR EMB(SQ. FT)	2.6

STAGE II	
TOPSOIL EXC.(SQ. FT)	9.8
UNSUITABLE EXC.(SQ. FT)	8.0
EARTH EXC.(SQ. FT)	5.3
EMBANKMENT(SQ. FT)	7.5
POROUS GRANULAR EMB(SQ. FT)	2.6

436+50.00

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEETS	554
SHEET NO.	467

FED. ROAD DIST. NO. ILLINOIS | FED. AID PROJECT
STA. TO STA.
* (L-2(M)/136,64 & 6 EXT) MRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

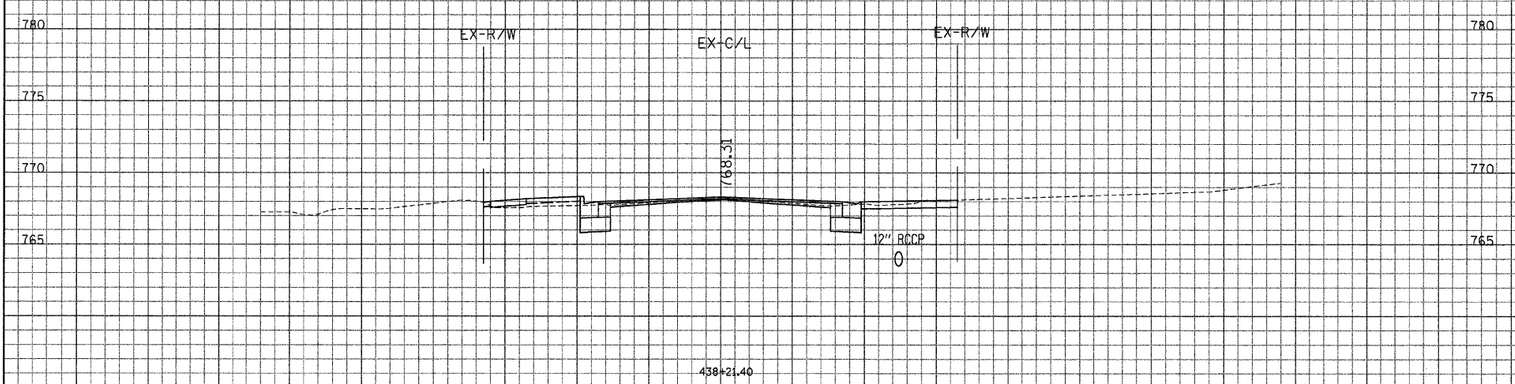
STA. 436+50 TO STA. 437+36.20

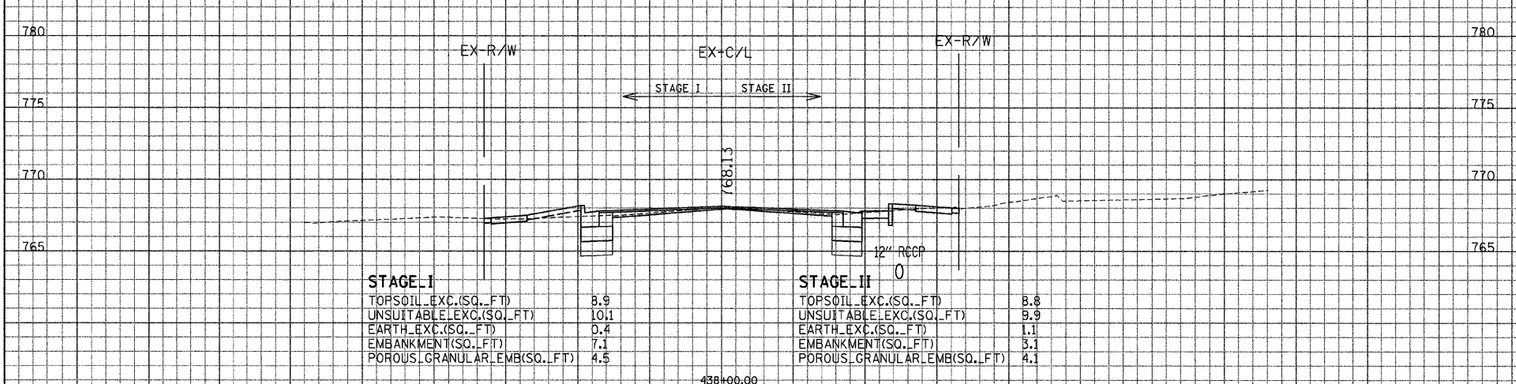
SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\20004824_NV\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 8/29/2008 8:10:40 AM



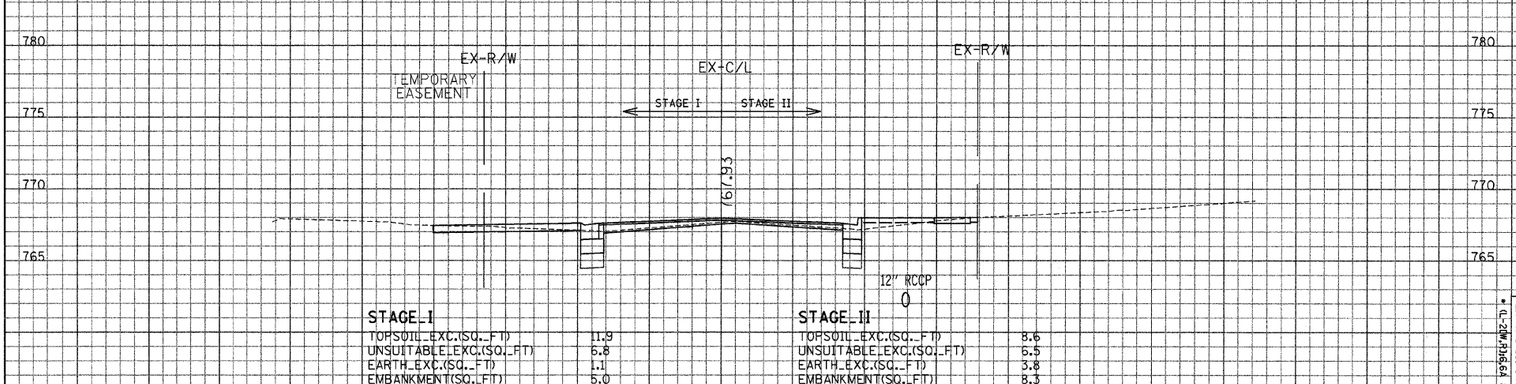


STAGE_I

TOPSOIL_EXC.(SQ._FT)	8.9
UNSUITABLE_EXC.(SQ._FT)	10.1
EARTH_EXC.(SQ._FT)	0.4
EMBANKMENT(SQ._FT)	7.1
POROUS_GRANULAR_EMB(SQ._FT)	4.5

STAGE_II

TOPSOIL_EXC.(SQ._FT)	8.8
UNSUITABLE_EXC.(SQ._FT)	9.9
EARTH_EXC.(SQ._FT)	1.1
EMBANKMENT(SQ._FT)	3.1
POROUS_GRANULAR_EMB(SQ._FT)	4.1



STAGE_I

TOPSOIL_EXC.(SQ._FT)	11.9
UNSUITABLE_EXC.(SQ._FT)	6.8
EARTH_EXC.(SQ._FT)	1.1
EMBANKMENT(SQ._FT)	5.0
POROUS_GRANULAR_EMB(SQ._FT)	3.3

STAGE_II

TOPSOIL_EXC.(SQ._FT)	8.6
UNSUITABLE_EXC.(SQ._FT)	6.5
EARTH_EXC.(SQ._FT)	3.8
EMBANKMENT(SQ._FT)	8.3
POROUS_GRANULAR_EMB(SQ._FT)	2.6

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	•
COUNTY	LAKE
TOTAL SHEETS	554
SHEET NO.	468

• IL-22W-3b&64 & 6 EXT) HRS-1

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

STA. TO STA.

GRAEF ANHALT SCHLOEMER and Associates Inc.
GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

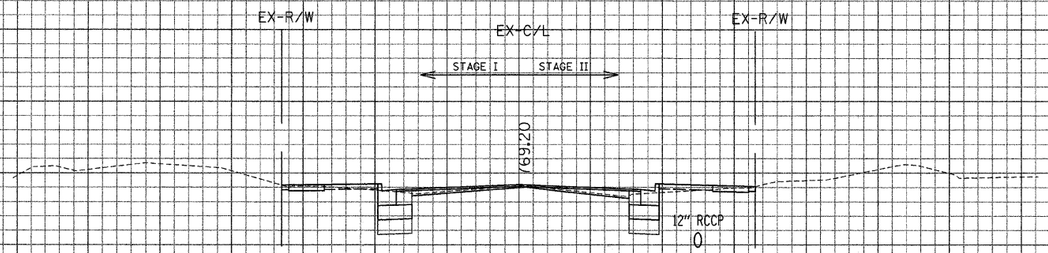
STA. 437+50 TO STA. 438+21.40

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

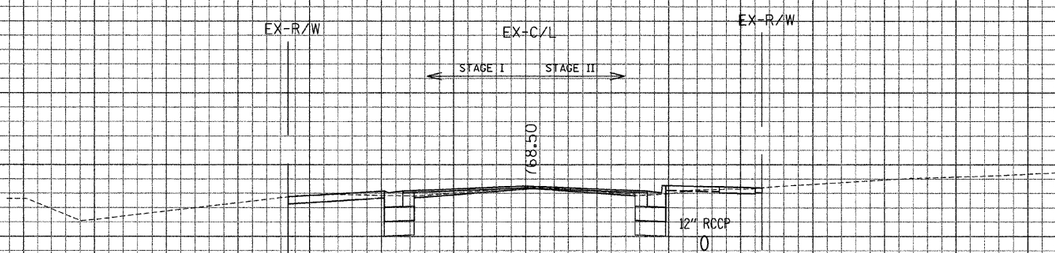
FILE: G:\2004024.N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/29/2008 9:11:00 AM



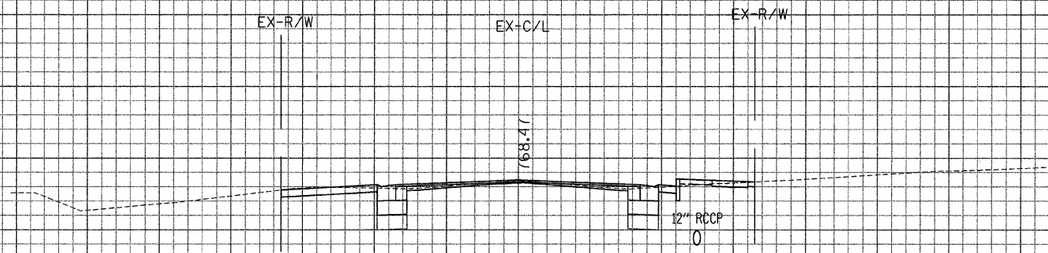
STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	9.1	TOPSOIL EXC.(SQ. FT)	8.8
UNSUITABLE EXC.(SQ. FT)	11.6	UNSUITABLE EXC.(SQ. FT)	9.5
EARTH EXC.(SQ. FT)	0.4	EARTH EXC.(SQ. FT)	0.6
EMBANKMENT(SQ. FT)	5.1	EMBANKMENT(SQ. FT)	7.7
POROUS GRANULAR EMB(SQ. FT)	4.8	POROUS GRANULAR EMB(SQ. FT)	4.1

439+00.00



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	8.8	TOPSOIL EXC.(SQ. FT)	8.8
UNSUITABLE EXC.(SQ. FT)	9.4	UNSUITABLE EXC.(SQ. FT)	9.9
EARTH EXC.(SQ. FT)	0.5	EARTH EXC.(SQ. FT)	1.4
EMBANKMENT(SQ. FT)	2.6	EMBANKMENT(SQ. FT)	5.0
POROUS GRANULAR EMB(SQ. FT)	4.1	POROUS GRANULAR EMB(SQ. FT)	4.2

438+50.00



438+44.80

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	*	LAKE	554	469

FED. ROAD DIST. NO. * ILLINOIS FED. AID PROJECT * (L-22M,P1&6A & 6 EXT) MRS-1

STA. TO STA.

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roady Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

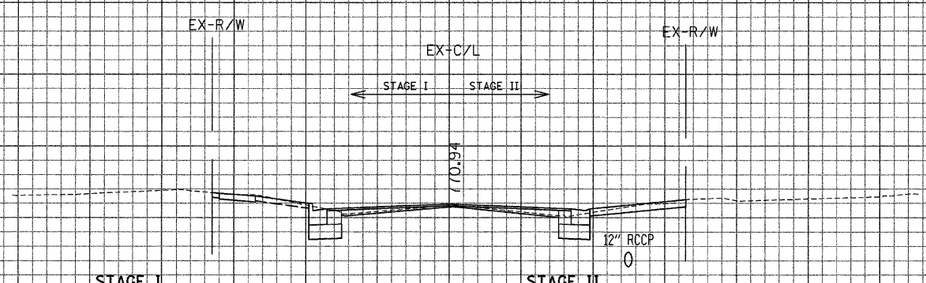
STA. 438+44.80 TO STA. 439+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

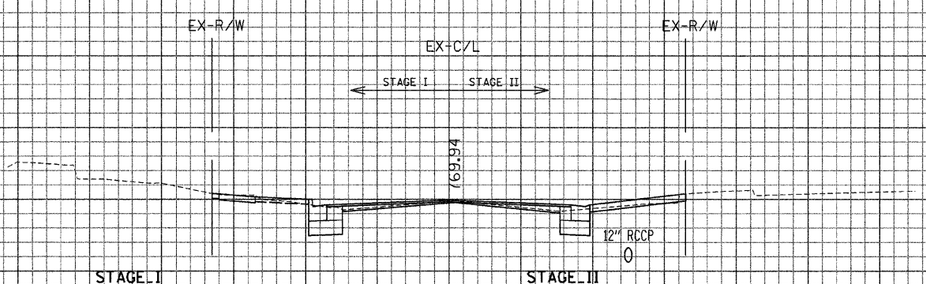
FILE: G:\2000\0024_N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/29/2008 9:11:41 AM



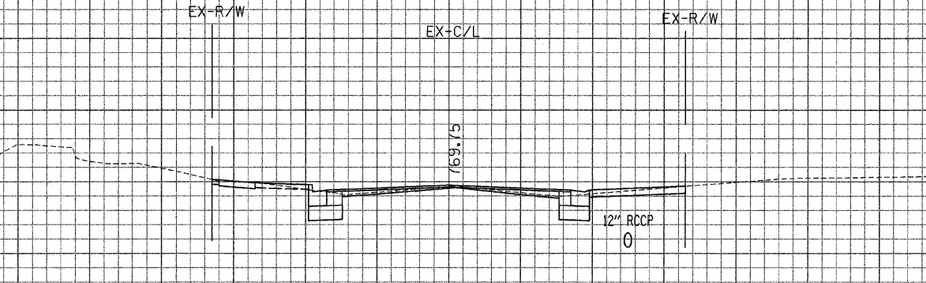
STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	9.0	TOPSOIL EXC.(SQ. FT)	8.8
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	7.8	EARTH EXC.(SQ. FT)	5.5
EMBANKMENT(SQ. FT)	2.8	EMBANKMENT(SQ. FT)	3.1
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

440+00.00



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	9.1	TOPSOIL EXC.(SQ. FT)	8.7
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	7.4	EARTH EXC.(SQ. FT)	5.8
EMBANKMENT(SQ. FT)	4.0	EMBANKMENT(SQ. FT)	5.8
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

439+50.00



439+37.50

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEETS	554
SHEET NO.	470
FED. ROAD DIST. NO.	ILLINOIS
FED. AID PROJECT	
STA.	TO STA.

* (L-20W,P1&6A & 6 EXT) IMRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

GRAEF ANHALT SCHLOEMER and Associates Inc.

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

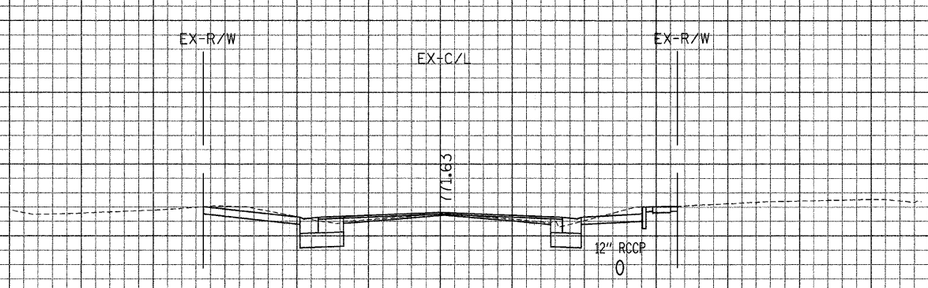
STA. 439+37.50 TO STA. 440+00

SCALE: HORIZ. 1" = 10'

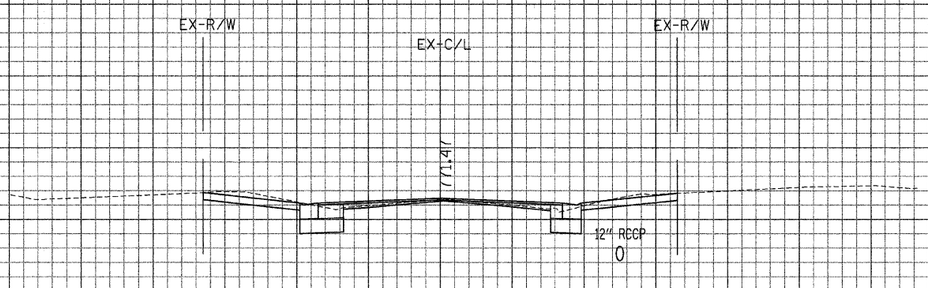
VERT. 1" = 5'

FILE: G:\20024024_N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

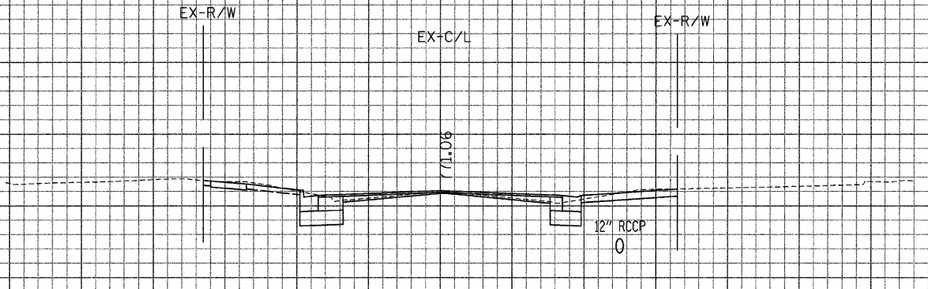
...\geo\Area_E\XSHT_E.dgn 2/29/2008 8:12:47 AM



440+31.50



440+24.30



440+05.10

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	•	LAKE	554	471

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
STA. TO STA.
• (L-20W,5b&6A & 6 EXT) HRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

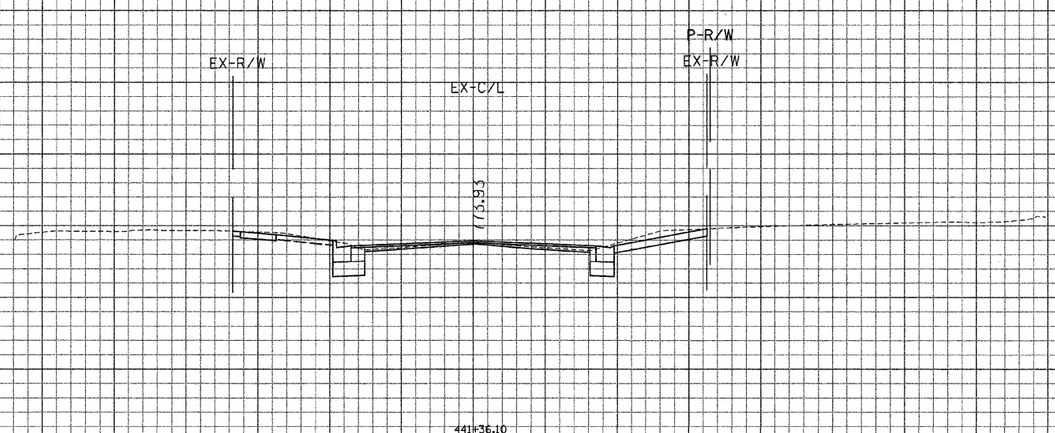
STA. 440+05.10 TO STA. 440+31.50

SCALE: HORIZ. 1" = 10'

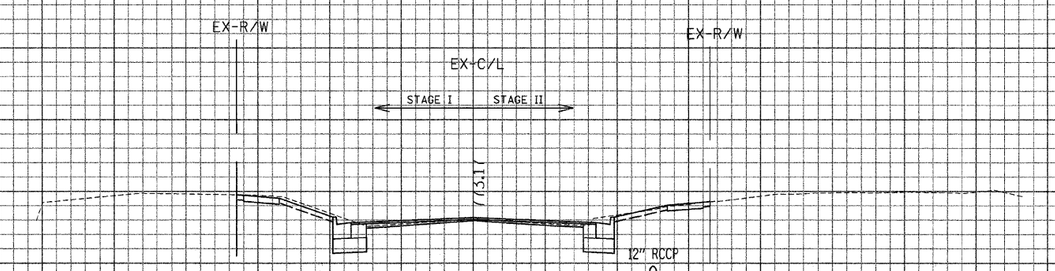
VERT. 1" = 5'

FILE: G:\20024024.N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/25/2008 12:13:09 AM

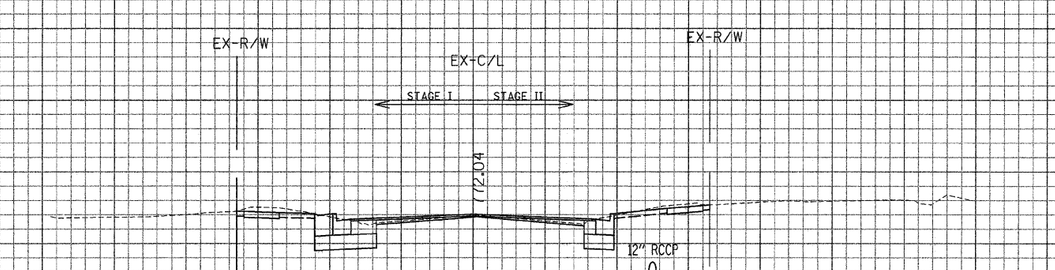


441+36.10



STAGE_I		STAGE_II	
TOPSOIL_EXC.(SQ._FT)	9.1	TOPSOIL_EXC.(SQ._FT)	8.8
UNSUITABLE_EXC.(SQ._FT)	0.0	UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	9.1	EARTH_EXC.(SQ._FT)	8.4
EMBANKMENT(SQ._FT)	0.5	EMBANKMENT(SQ._FT)	2.4
POROUS_GRANULAR_EMB(SQ._FT)	0.0	POROUS_GRANULAR_EMB(SQ._FT)	0.0

441+00.00



STAGE_I		STAGE_II	
TOPSOIL_EXC.(SQ._FT)	9.8	TOPSOIL_EXC.(SQ._FT)	8.8
UNSUITABLE_EXC.(SQ._FT)	0.0	UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	15.4	EARTH_EXC.(SQ._FT)	7.9
EMBANKMENT(SQ._FT)	0.7	EMBANKMENT(SQ._FT)	1.8
POROUS_GRANULAR_EMB(SQ._FT)	0.0	POROUS_GRANULAR_EMB(SQ._FT)	0.0

440+50.00

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEETS	554
SHEET NO.	472

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
STA. TO STA.
* IL-28M,3b6.64 & 6 EXT) HRS-1

GRAEF ANHALT SCHLOEMER and Associates Inc.
GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

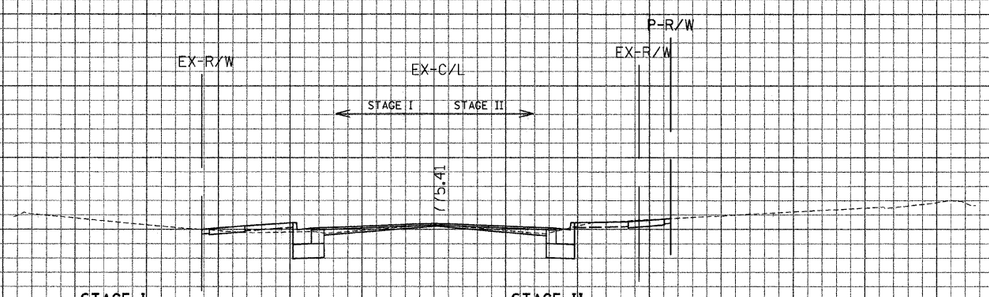
STA. 440+50 TO STA. 441+36.10

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\2000\4824_N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/29/2008 9:14:17 AM



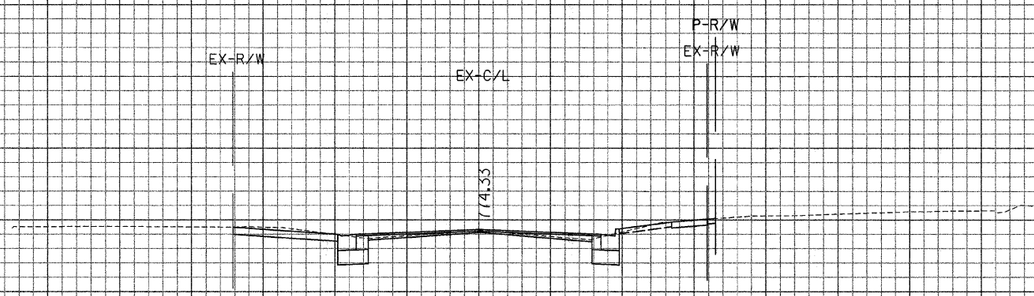
STAGE I

TOPSOIL EXC.(SQ. FT)	8.5
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.1
EMBANKMENT(SQ. FT)	7.7
POROUS GRANULAR EMB(SQ. FT)	0.0

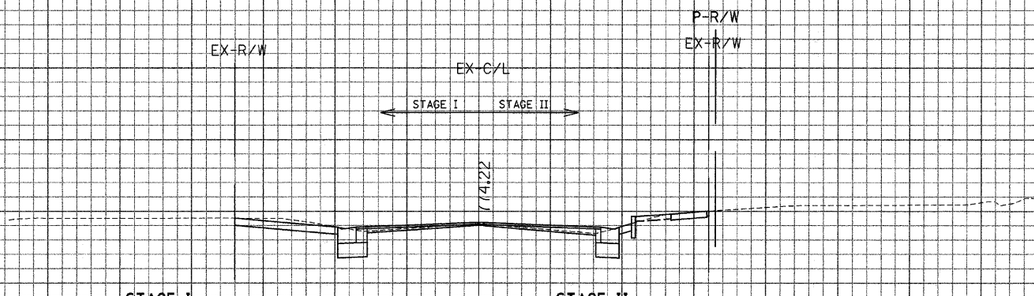
STAGE II

TOPSOIL EXC.(SQ. FT)	8.7
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.2
EMBANKMENT(SQ. FT)	2.8
POROUS GRANULAR EMB(SQ. FT)	0.0

442+00.00



441+64.80



STAGE I

TOPSOIL EXC.(SQ. FT)	9.3
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	8.6
EMBANKMENT(SQ. FT)	0.3
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	7.9
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.2
EMBANKMENT(SQ. FT)	3.3
POROUS GRANULAR EMB(SQ. FT)	0.0

441+50.00

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEETS	554
SHEET NO.	473

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

STA. | TO STA.

* (L-2)M,3H&4 & 6 EXT) MRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

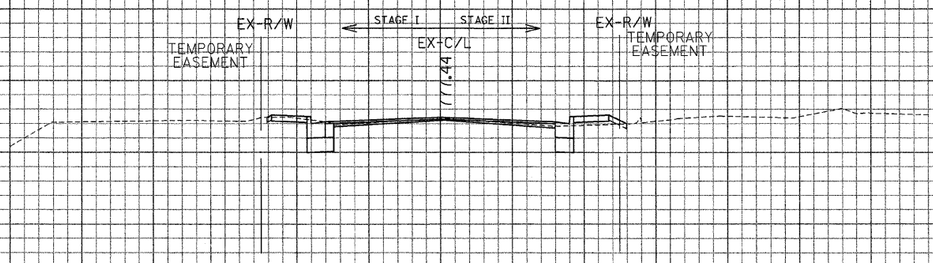
STA. 441+50 TO STA. 442+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\2004024_N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

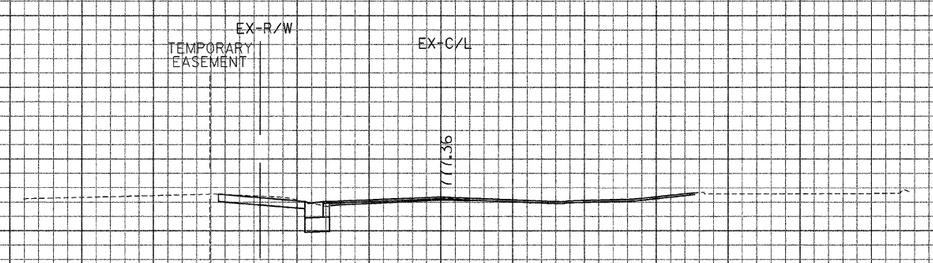
...\geo\Area_E\XSHT_E.dgn 8/29/2008 9:14:14 AM



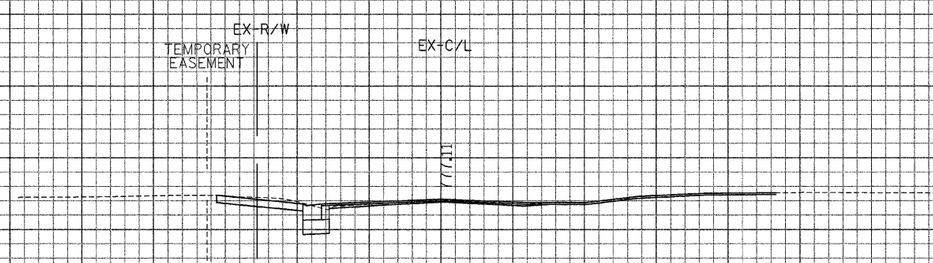
STAGE I	
TOPSOIL EXC.(SQ. FT)	4.6
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.9
EMBANKMENT(SQ. FT)	1.3
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.8
EMBANKMENT(SQ. FT)	1.6
POROUS GRANULAR EMB(SQ. FT)	0.0

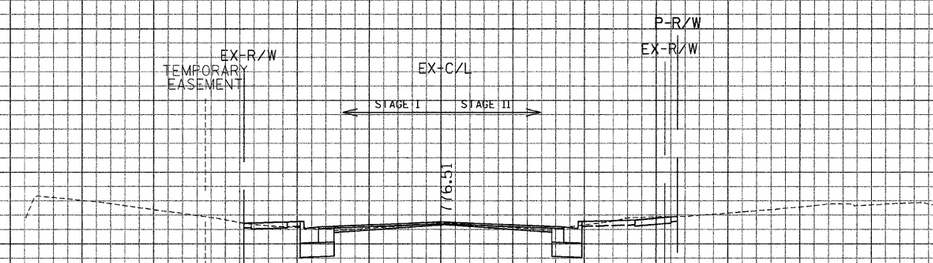
443+50.00



442+93.50



442+84.20



STAGE I	
TOPSOIL EXC.(SQ. FT)	6.3
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	7.5
EMBANKMENT(SQ. FT)	3.0
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	8.8
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	7.9
EMBANKMENT(SQ. FT)	1.9
POROUS GRANULAR EMB(SQ. FT)	0.0

442+50.00

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

STA. 442+50 TO STA. 443+50

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	•	LAKE	554	474

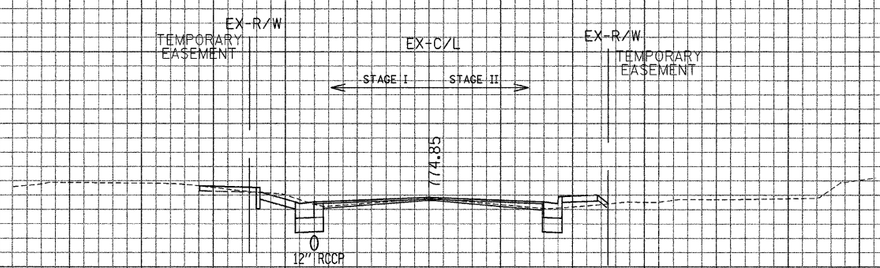
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

STA. TO STA.

• (L-20M,Sb6,64 & 6 EXT) HRS-1

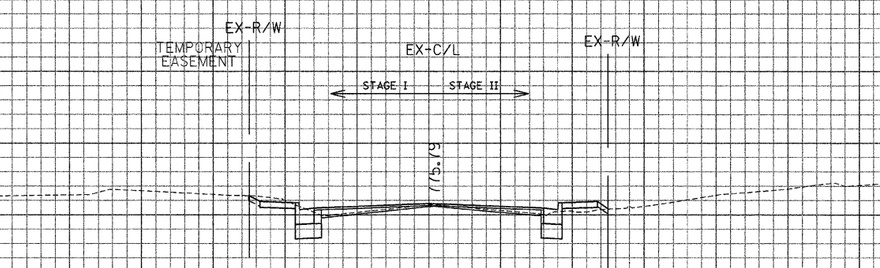
FILE: G:\20004024.N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/29/2006 9:12:44 AM



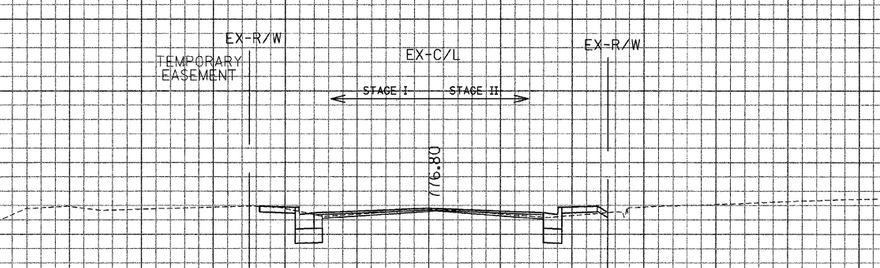
STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	4.3	TOPSOIL EXC.(SQ. FT)	5.0
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	1.4	EARTH EXC.(SQ. FT)	3.7
EMBANKMENT(SQ. FT)	0.5	EMBANKMENT(SQ. FT)	6.3
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

445+00.00



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	5.1	TOPSOIL EXC.(SQ. FT)	5.0
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.3	EARTH EXC.(SQ. FT)	4.3
EMBANKMENT(SQ. FT)	2.2	EMBANKMENT(SQ. FT)	5.5
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

444+50.00



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	4.3	TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.5	EARTH EXC.(SQ. FT)	6.0
EMBANKMENT(SQ. FT)	0.9	EMBANKMENT(SQ. FT)	1.1
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

444+00.00

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEET SHEETS NO.	554 475

FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT | STA. | TO STA.

* IL-20M,P1H,6A & 6 EXT) NHS-1

GRAEF ANHALT SCHLOEMER and Associates Inc.

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

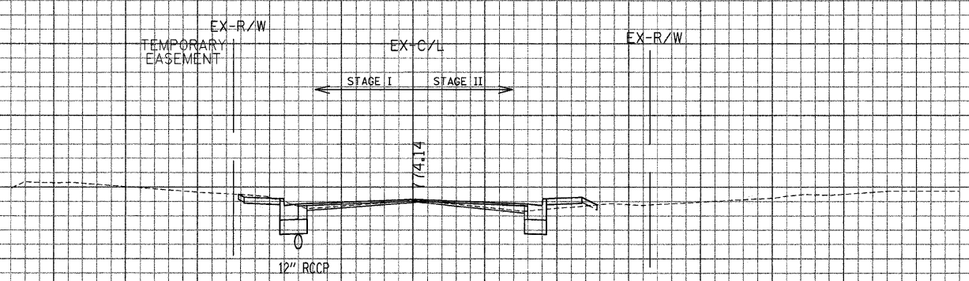
STA. 444+00 TO STA. 445+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

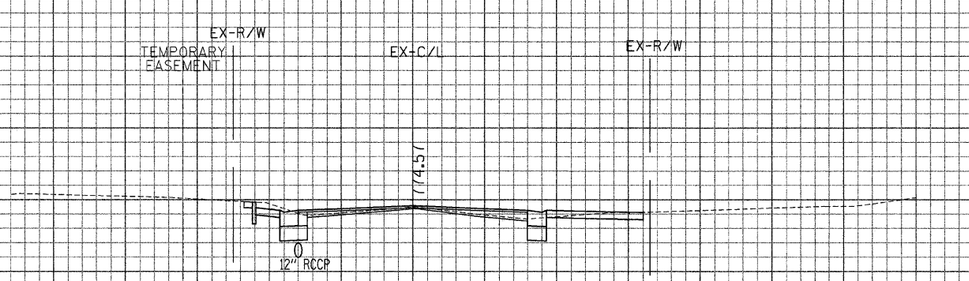
FILE: G:\20020424_N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/29/2008 8:15:03 AM

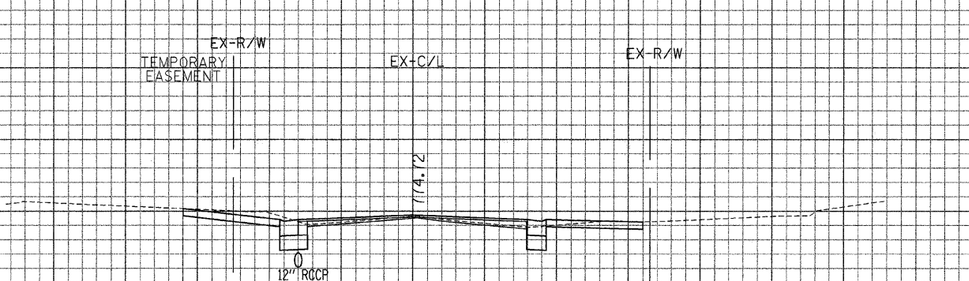


STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	4.7	TOPSOIL EXC.(SQ. FT)	5.0
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	0.7	EARTH EXC.(SQ. FT)	4.1
EMBANKMENT(SQ. FT)	0.8	EMBANKMENT(SQ. FT)	5.2
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

445+50.00



445+19.50



445+09.10

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	*	LAKE	554	476

TO STA.

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

* (L-20M,13d,6A & 6 EXT) MRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

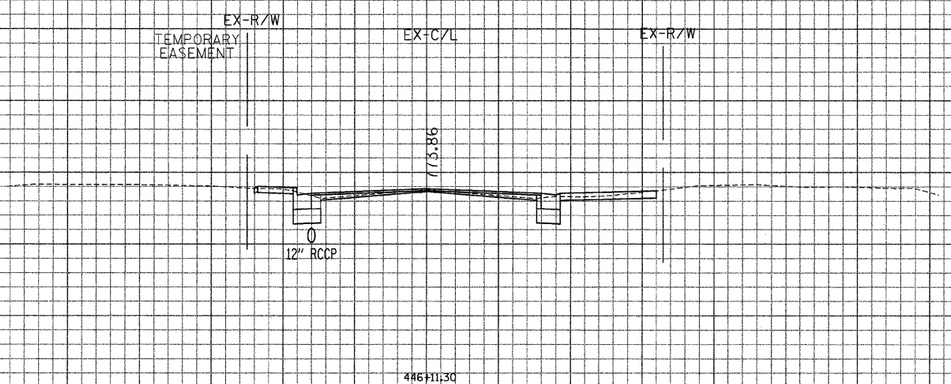
STA. 445+09.10 TO STA. 445+50

SCALE: HORIZ. 1" = 10'

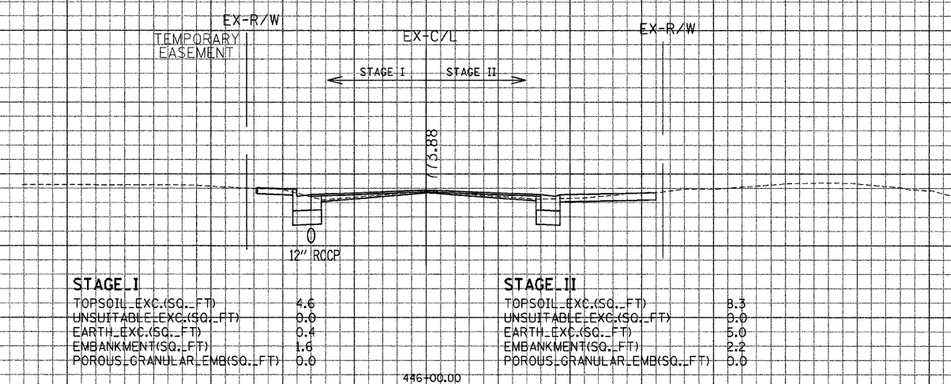
VERT. 1" = 5'

FILE: G:\20004024.N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 3/25/2008 9:15:18 AM

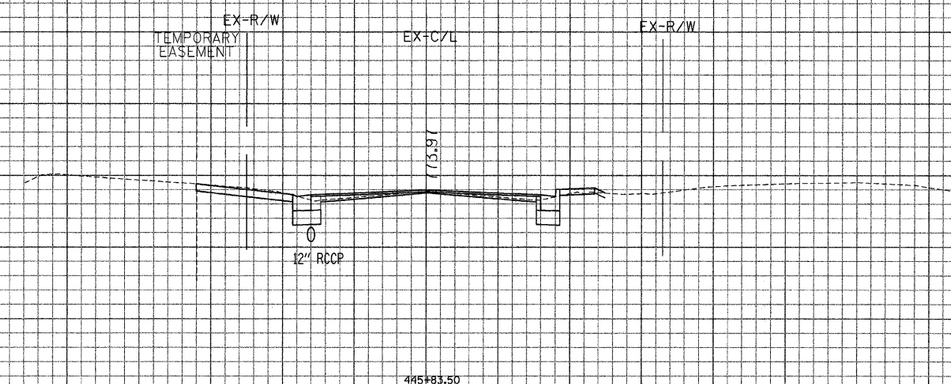


446+11.30



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	4.6	TOPSOIL EXC.(SQ. FT)	8.3
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	0.4	EARTH EXC.(SQ. FT)	5.0
EMBANKMENT(SQ. FT)	1.6	EMBANKMENT(SQ. FT)	2.2
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

446+00.00



445+83.50

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	•	LAKE	554	477

FED. ROAD DIST. NO. | STA. | TO STA. | ILLINOIS FED. AID PROJECT

• GL-2(M,B)64 & 6 (EXT) MRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

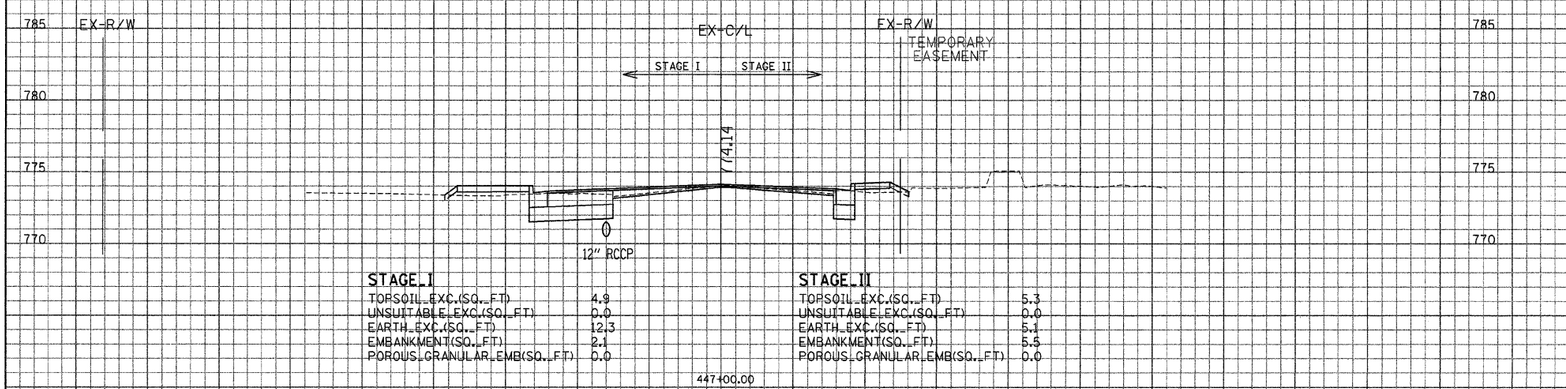
STA. 445+83.50 TO STA. 446+11.30

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

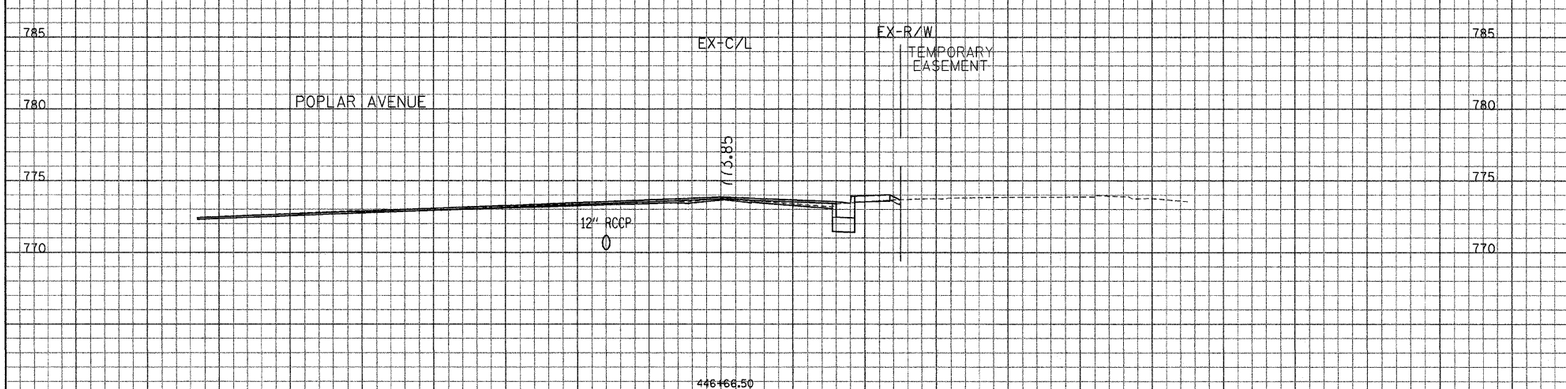
FILE: G:\2000\0824.N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

..\geo\Area_E\XSHT_E.dgn 2/20/2008 9:18:54 AM

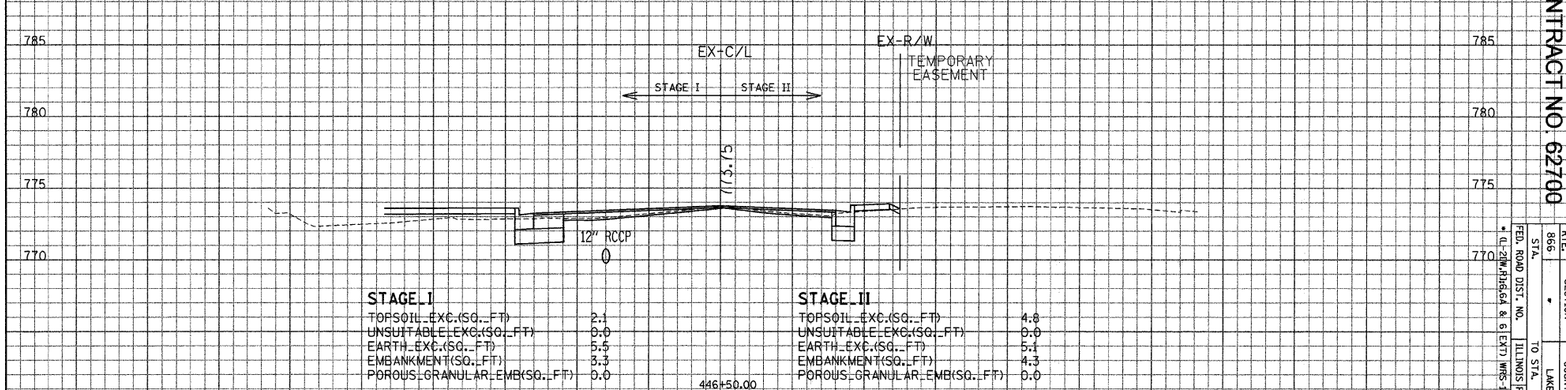


STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	4.9	TOPSOIL EXC.(SQ. FT)	5.3
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	12.3	EARTH EXC.(SQ. FT)	5.1
EMBANKMENT(SQ. FT)	2.1	EMBANKMENT(SQ. FT)	5.5
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

447+00.00



446+66.50



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	2.1	TOPSOIL EXC.(SQ. FT)	4.8
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.5	EARTH EXC.(SQ. FT)	5.1
EMBANKMENT(SQ. FT)	3.3	EMBANKMENT(SQ. FT)	4.3
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

446+50.00

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	*	LAKE	554	478

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

STA. TO STA.

* CL-2(M,P)Hb64 & 6 EXT) MRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

GRAEF ANHALT SCHLOEMER

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

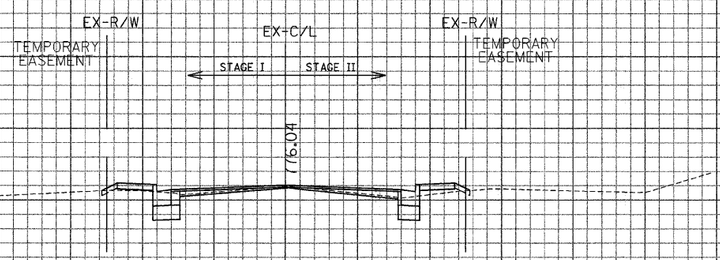
STA. 446+50 TO STA. 447+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\20004024_NV\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/26/2008 8:18:09 AM



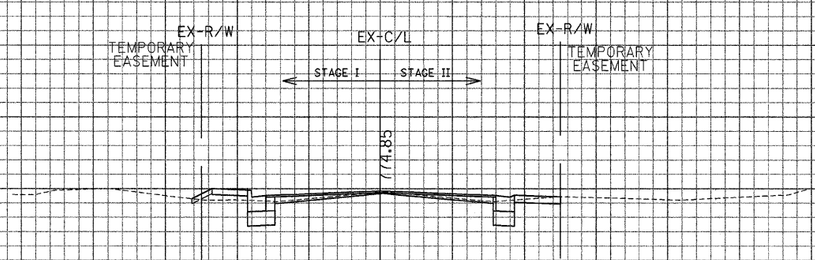
STAGE_I

TOPSOIL_EXC.(SQ._FT)	5.4
UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	5.6
EMBANKMENT(SQ._FT)	4.5
POROUS_GRANULAR_EMB(SQ._FT)	0.0

STAGE_II

TOPSOIL_EXC.(SQ._FT)	5.0
UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	3.7
EMBANKMENT(SQ._FT)	6.5
POROUS_GRANULAR_EMB(SQ._FT)	0.0

448+00.00



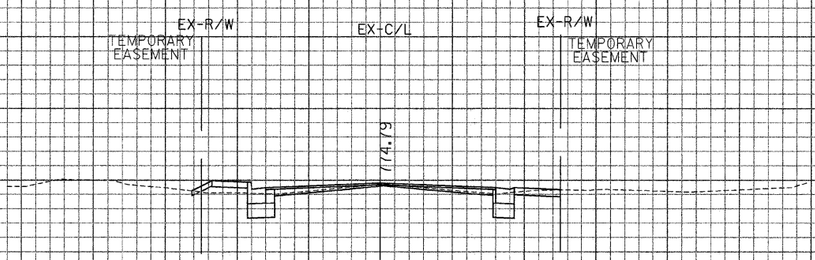
STAGE_I

TOPSOIL_EXC.(SQ._FT)	5.8
UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	5.0
EMBANKMENT(SQ._FT)	7.0
POROUS_GRANULAR_EMB(SQ._FT)	0.0

STAGE_II

TOPSOIL_EXC.(SQ._FT)	4.7
UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	4.2
EMBANKMENT(SQ._FT)	2.0
POROUS_GRANULAR_EMB(SQ._FT)	0.0

447+50.00



447+45.90

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEET SHEETS NO.	554 479
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
STA.	TO STA.

* IL-20M,B1&6A & 6 EXT) MRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

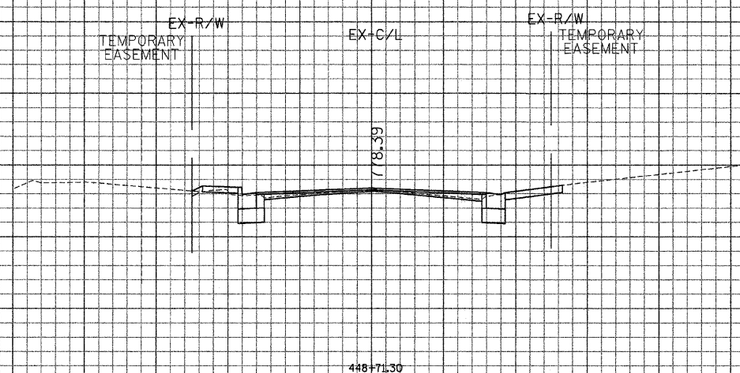
STA. 447+45.90 TO STA. 448+00

SCALE: HORIZ. 1" = 10'

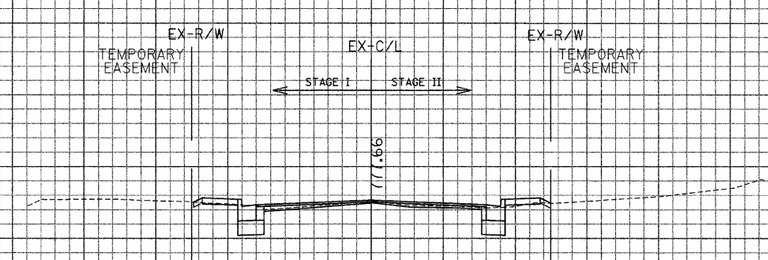
VERT. 1" = 5'

FILE: G:\20004024_N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/29/2008 9:19:19 AM



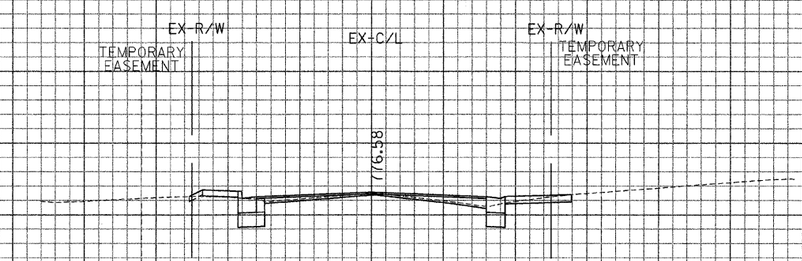
448+71.30



STAGE I	
TOPSOIL EXC.(SQ. FT)	4.9
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.1
EMBANKMENT(SQ. FT)	3.1
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	4.8
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	4.8
EMBANKMENT(SQ. FT)	3.9
POROUS GRANULAR EMB(SQ. FT)	0.0

448+50.00



448+16.60

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	5VB-BR
COUNTY	LAKE
TOTAL SHEET SHEETS NO.	554 480
FED. ROAD DIST. NO.	
STA.	
TO STA.	
ILLINOIS FED. AID PROJECT	

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

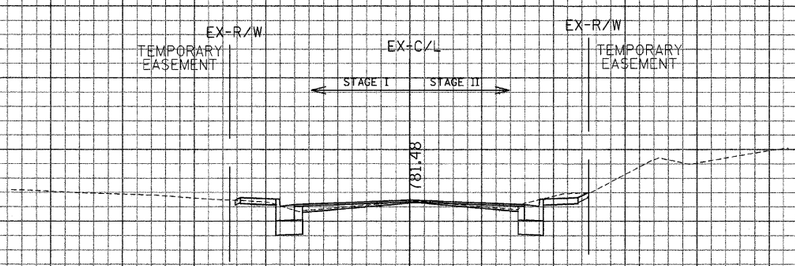
STA. 448+16.60 TO STA. 448+71.30

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\20020424_N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

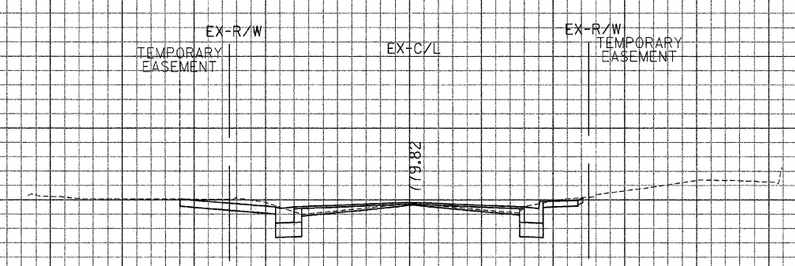
...\geo\Area_E\XSHT_E.dgn 2/25/2008 9:19:34 AM



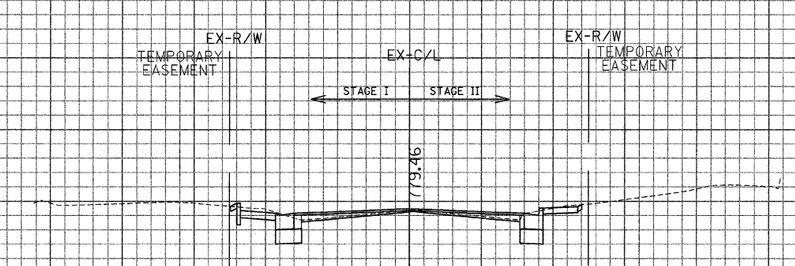
STAGE I	
TOPSOIL EXC.(SQ. FT)	4.7
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.3
EMBANKMENT(SQ. FT)	2.9
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	4.9
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	7.7
EMBANKMENT(SQ. FT)	0.7
POROUS GRANULAR EMB(SQ. FT)	0.0

449+50.00



449+08.90



STAGE I	
TOPSOIL EXC.(SQ. FT)	4.3
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.9
EMBANKMENT(SQ. FT)	1.6
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	4.4
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.8
EMBANKMENT(SQ. FT)	1.6
POROUS GRANULAR EMB(SQ. FT)	0.0

449+00.00

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	5VB-BR
COUNTY	LAKE
TOTAL SHEET NO.	554
SHEET NO.	481
FED. ROAD DIST. NO.	
STA.	
TO STA.	
ILLINOIS FED. AID PROJECT	

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

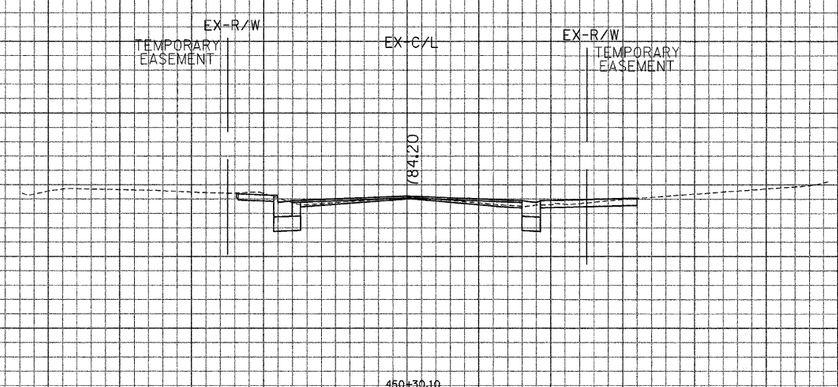
STA. 449+00 TO STA. 449+50

SCALE: HORIZ. 1" = 10'

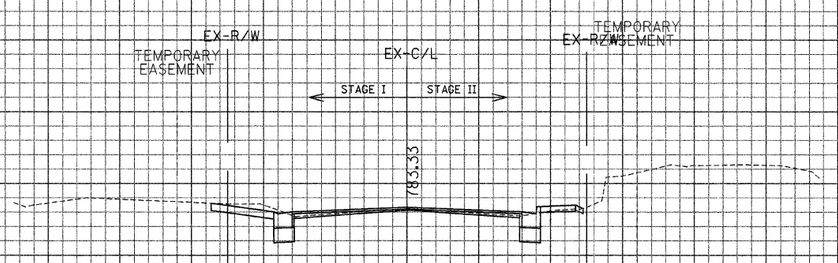
VERT. 1" = 5'

FILE: G:\20024024.N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 3/29/2004 9:19:23 AM



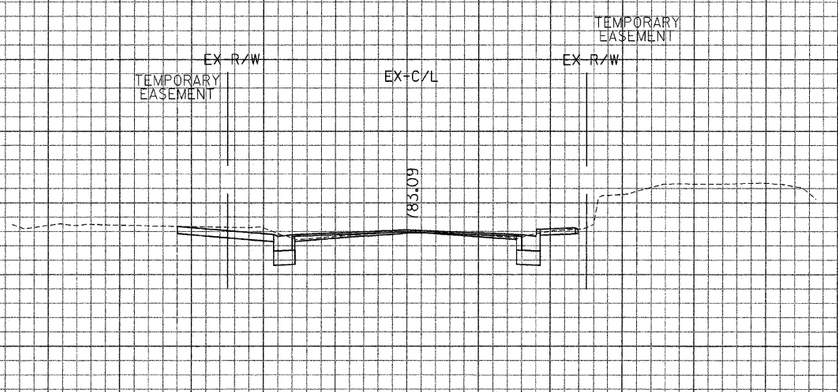
450+30.10



STAGE I	
TOPSOIL EXC.(SQ. FT)	5.7
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	7.0
EMBANKMENT(SQ. FT)	0.4
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	4.4
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.0
EMBANKMENT(SQ. FT)	2.5
POROUS GRANULAR EMB(SQ. FT)	0.0

450+00.00



449+93.20

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

STA. 449+93.20 TO STA. 450+30.10

SCALE: HORIZ. 1" = 10'

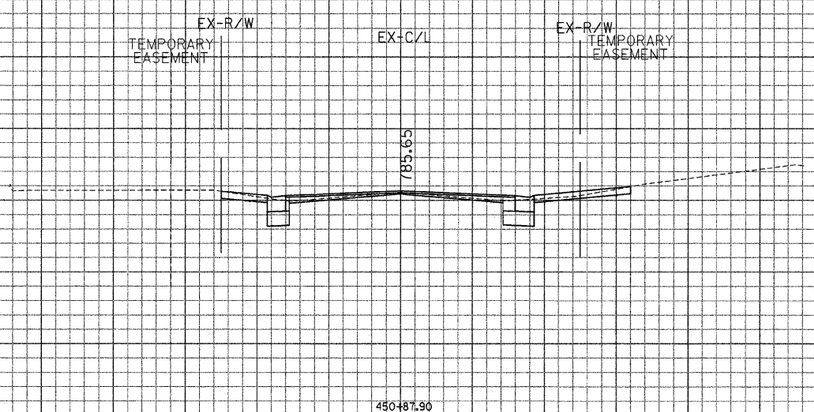
VERT. 1" = 5'

CONTRACT NO. 62700

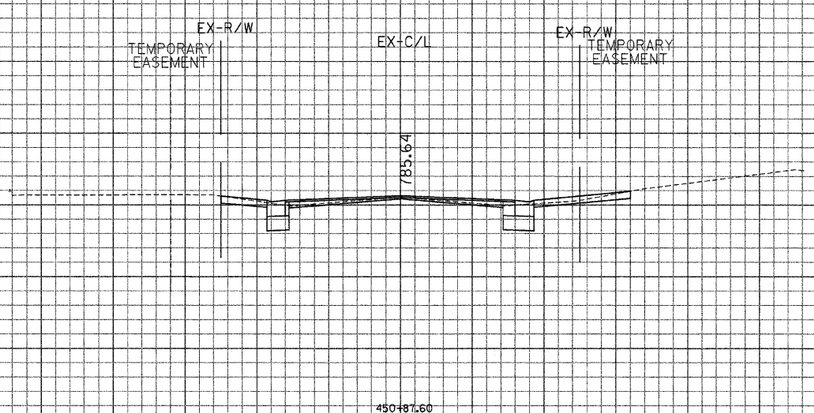
F.A.P. RTE.	866
SECTION	5VB-BR
COUNTY	LAKE
TOTAL SHEETS	554
SHEET NO.	482
FED. ROAD DIST. NO.	
STA.	
TO STA.	
ILLINOIS FED. AID PROJECT	

FILE: G:\20024024.N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-24 14:59

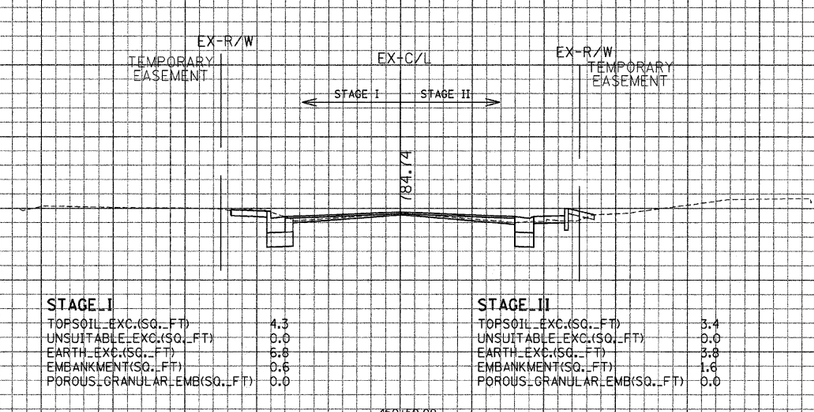
\geo\Area_E\XSHT_E.dgn 2/29/2008 8:20:00 AM



450+87.90



450+87.60



STAGE I	
TOPSOIL EXC.(SQ. FT)	4.3
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.8
EMBANKMENT(SQ. FT)	0.6
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	3.4
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	3.8
EMBANKMENT(SQ. FT)	1.6
POROUS GRANULAR EMB(SQ. FT)	0.0

450+50.00

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	5HB-BR	LAKE	554	483

FED. ROAD DIST. NO. | STA. | TO STA. | ILLINOIS FED. AID PROJECT

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

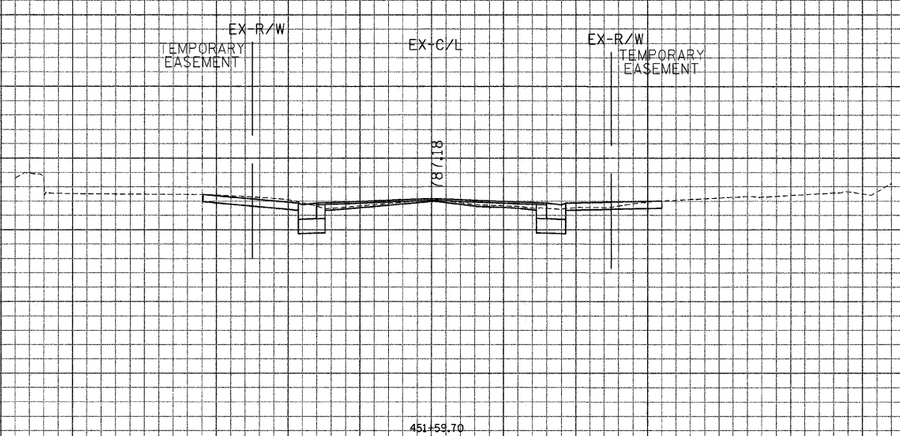
STA. 450+50 TO STA. 450+87.90

SCALE: HORIZ. 1" = 10'

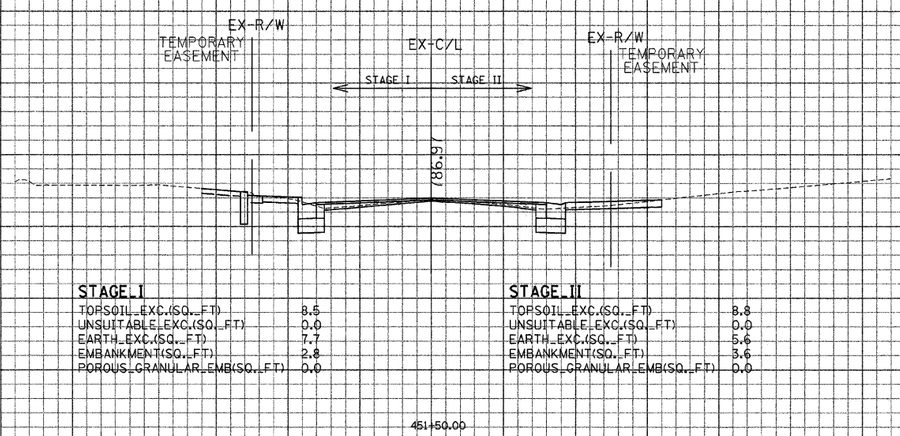
VERT. 1" = 5'

FILE: G:\2020\4024_N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/29/2008 9:20:20 AM



451+59.70



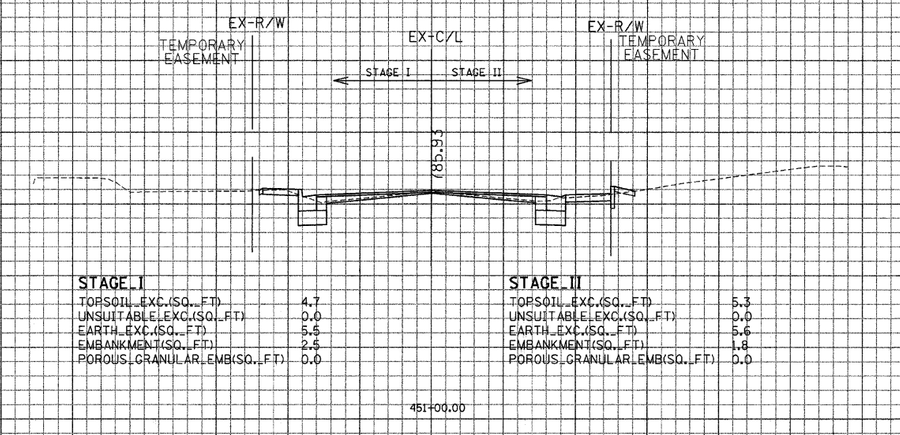
STAGE I

TOPSOIL EXC.(SQ. FT)	8.5
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	7.7
EMBANKMENT(SQ. FT)	2.8
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	8.8
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.6
EMBANKMENT(SQ. FT)	3.6
POROUS GRANULAR EMB(SQ. FT)	0.0

451+50.00



STAGE I

TOPSOIL EXC.(SQ. FT)	4.7
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.5
EMBANKMENT(SQ. FT)	2.5
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	5.3
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.6
EMBANKMENT(SQ. FT)	1.8
POROUS GRANULAR EMB(SQ. FT)	0.0

451+00.00

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	5VB-9R	LAKE	554	484

FED. ROAD DIST. NO. | STA. | TO STA. | ILLINOIS FED. AID PROJECT

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

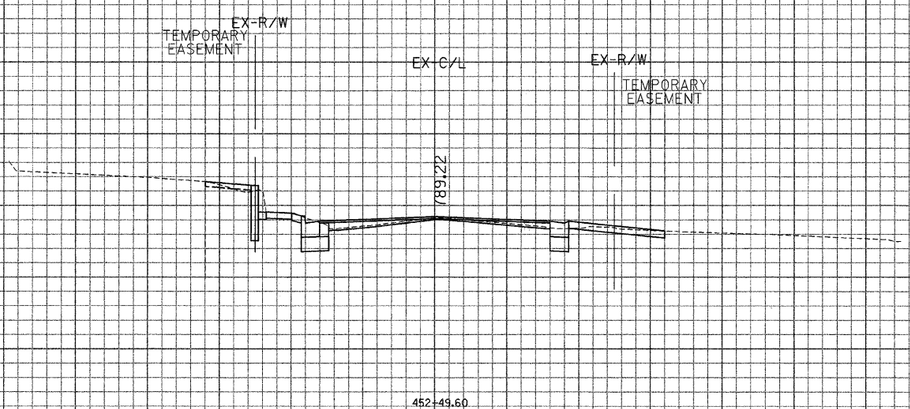
STA. 451+00 TO STA. 451+59.70

SCALE: HORIZ. 1" = 10'

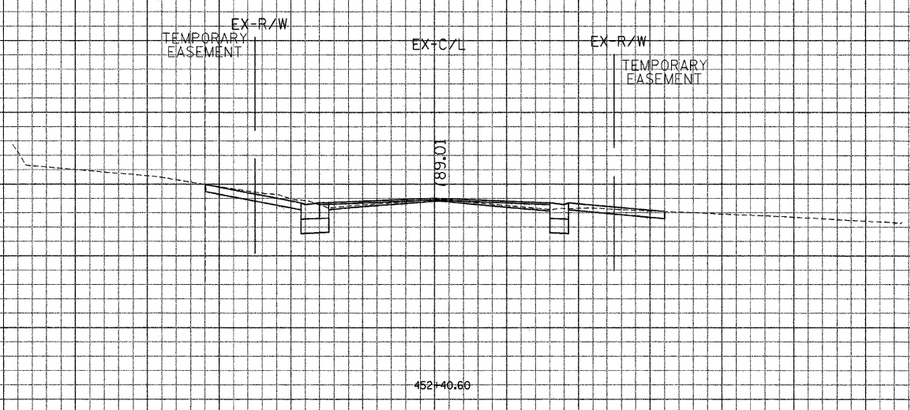
VERT. 1" = 5'

FILE: G:\2004024_N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

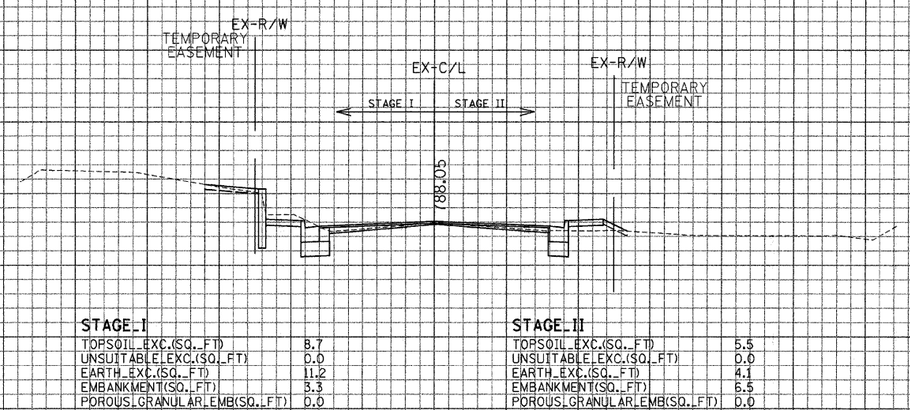
...\geo\Area_E\XSHT_E.dgn 2/29/2008 9:20:35 AM



452+49.60



452+40.60



452+00.00

STAGE I	
TOPSOIL EXC.(SQ. FT)	8.7
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	11.2
EMBANKMENT(SQ. FT)	3.3
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	5.5
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	4.1
EMBANKMENT(SQ. FT)	6.5
POROUS GRANULAR EMB(SQ. FT)	0.0

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	5VB-BR
COUNTY	LAKE
TOTAL SHEETS	554
SHEET NO.	485
FED. ROAD DIST. NO.	
STA.	
TO STA.	
ILLINOIS FED. AID PROJECT	

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

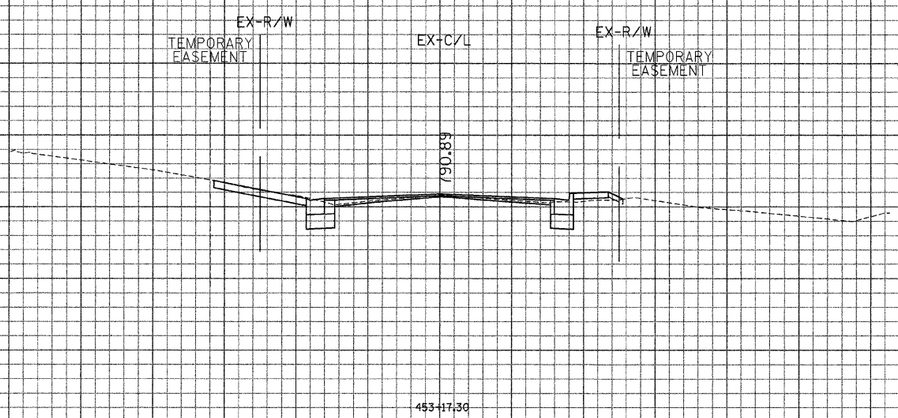
STA. 452+00 TO STA. 452+49.60

SCALE: HORIZ. 1" = 10'

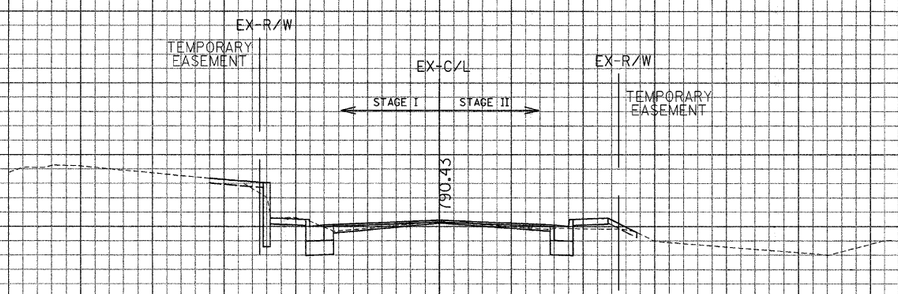
VERT. 1" = 5'

FILE: G:\2000\4024_N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/29/2008 9:20:50 AM



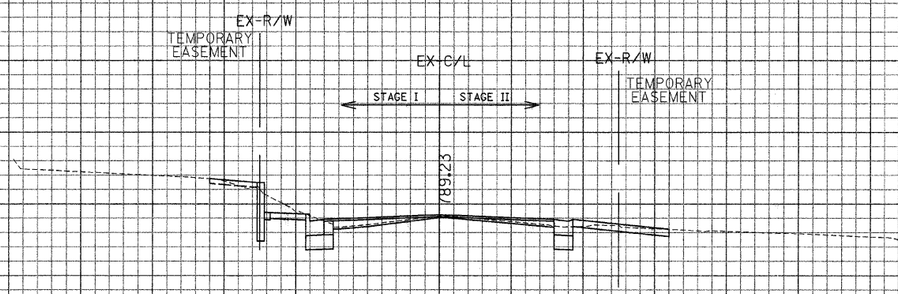
453+17.30



STAGE I	
TOPSOIL EXC.(SQ. FT)	8.6
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	9.1
EMBANKMENT(SQ. FT)	4.3
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	6.1
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	4.8
EMBANKMENT(SQ. FT)	6.3
POROUS GRANULAR EMB(SQ. FT)	0.0

453+00.00



STAGE I	
TOPSOIL EXC.(SQ. FT)	8.6
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	12.4
EMBANKMENT(SQ. FT)	5.1
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	7.8
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	3.7
EMBANKMENT(SQ. FT)	3.3
POROUS GRANULAR EMB(SQ. FT)	0.0

452+50.00

CONTRACT NO. 62700

F.A.P. RTE.	866		
STA.		SECTION	5VB-BR
FED. ROAD DIST. NO.		COUNTY	LAKE
ILLINOIS FED. AID PROJECT		TO STA.	
		TOTAL SHEETS	554
		SHEET NO.	486

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Roads Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

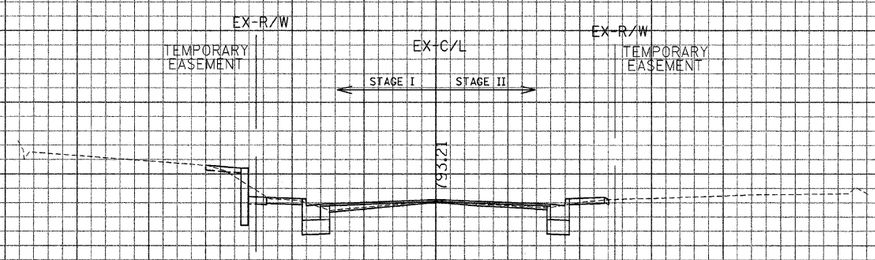
STA. 452+50 TO STA. 453+17.30

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\2004\0424_N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

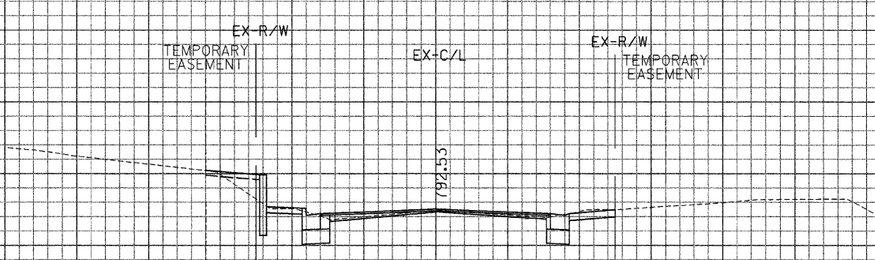
...\geo\Area_E\XSHT_E.dgn 2/26/2008 9:21:05 AM



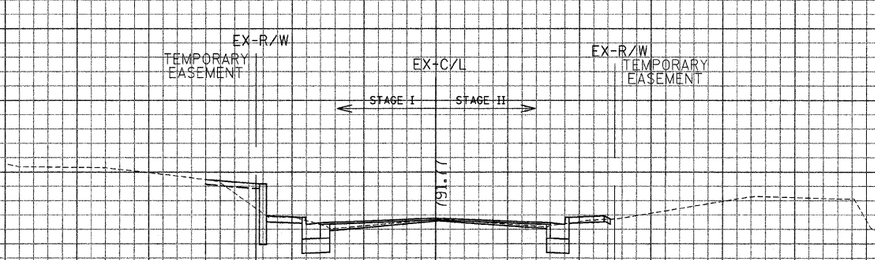
STAGE_I	
TOPSOIL_EXC.(SQ._FT)	8.6
UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	9.6
EMBANKMENT(SQ._FT)	4.5
POROUS_GRANULAR_EMB(SQ._FT)	0.0

STAGE_II	
TOPSOIL_EXC.(SQ._FT)	4.3
UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	5.0
EMBANKMENT(SQ._FT)	2.0
POROUS_GRANULAR_EMB(SQ._FT)	0.0

454+00.00



453+76.40



STAGE_I	
TOPSOIL_EXC.(SQ._FT)	8.6
UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	8.0
EMBANKMENT(SQ._FT)	8.6
POROUS_GRANULAR_EMB(SQ._FT)	0.0

STAGE_II	
TOPSOIL_EXC.(SQ._FT)	4.5
UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	5.3
EMBANKMENT(SQ._FT)	2.4
POROUS_GRANULAR_EMB(SQ._FT)	0.0

453+50.00

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

STA. 453+50 TO STA. 454+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

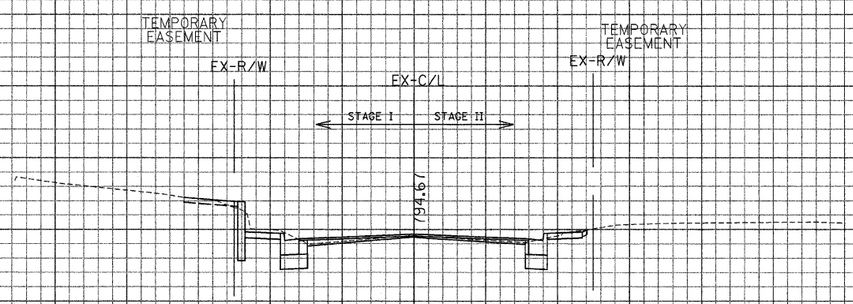
CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	5VB-BR	LAKE	554	487

FED. ROAD DIST. NO. | STA. | ILLINOIS | TO STA. | FED. AID PROJECT

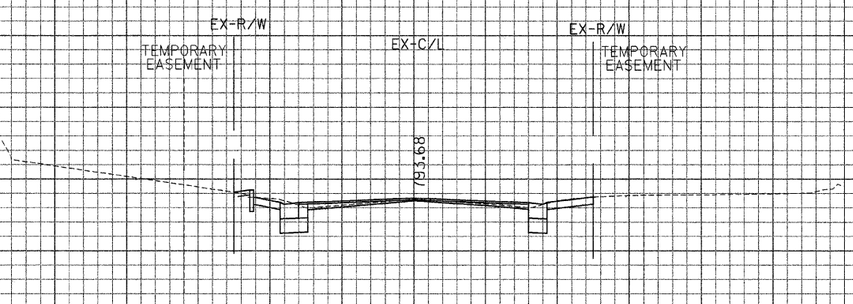
FILE: G:\20040424.N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/29/2008 9:21:14 AM

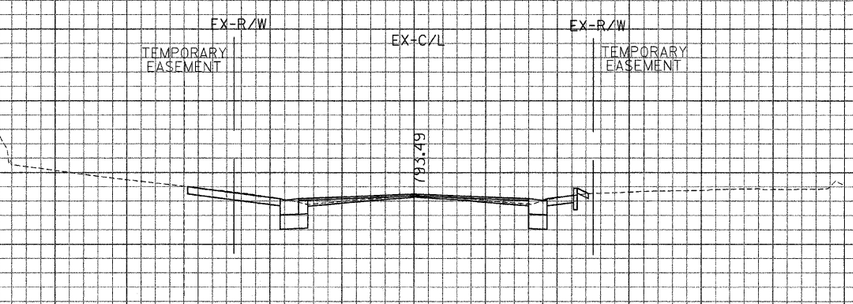


STAGE_I		STAGE_II	
TOPSOIL_EXC.(SQ._FT)	8.6	TOPSOIL_EXC.(SQ._FT)	4.3
UNSUITABLE_EXC.(SQ._FT)	0.0	UNSUITABLE_EXC.(SQ._FT)	0.0
EARTH_EXC.(SQ._FT)	11.1	EARTH_EXC.(SQ._FT)	5.2
EMBANKMENT(SQ._FT)	3.0	EMBANKMENT(SQ._FT)	1.1
POROUS_GRANULAR_EMB(SQ._FT)	0.0	POROUS_GRANULAR_EMB(SQ._FT)	0.0

454+50.00



454+16.20



454+09.60

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	5VB-1R	LAKE	554	488

FED. ROAD DIST. NO. | STA. | ILLINOIS FED. AID PROJECT | TO STA.

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

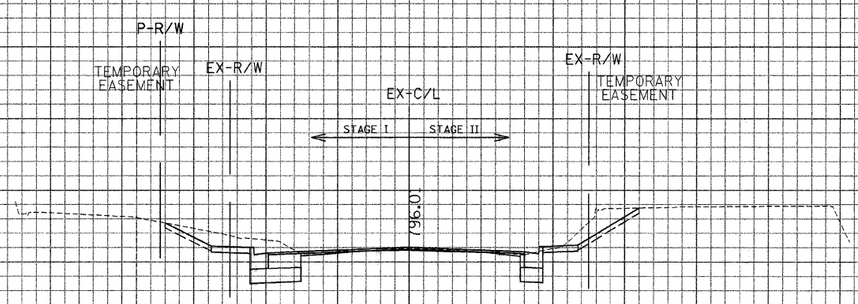
STA. 454+09.60 TO STA. 454+50

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\2004224.N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

...\geo\Area_E\XSHT_E.dgn 2/28/2008 04:21:28 AM



STAGE I

TOPSOIL EXC.(SQ. FT)	9.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	14.7
EMBANKMENT(SQ. FT)	0.1
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	8.3
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	14.0
EMBANKMENT(SQ. FT)	1.3
POROUS GRANULAR EMB(SQ. FT)	0.0

455+00.00

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

STA. 455+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

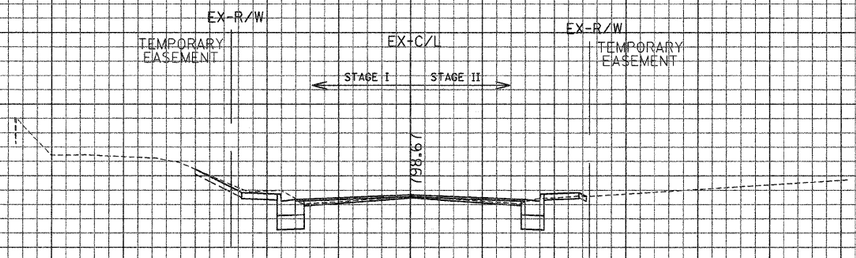
CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	5VB-BR
COUNTY	LAKE
TOTAL SHEETS	554
SHEET NO.	489

FED. ROAD DIST. NO. | STA. | TO STA. | ILLINOIS FED. AID PROJECT

FILE: G:\20040424.N\geo\Area_E\XSHT_E.dgn
DATE: 15-Jan-04 14:59

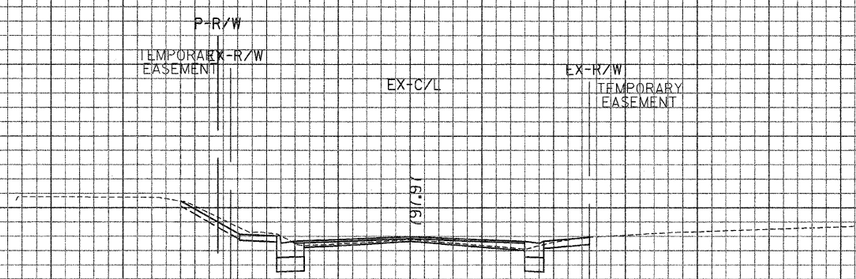
...\geo\Area_E\XSHT_E.dgn 7/30/2026 12:21:37 AM



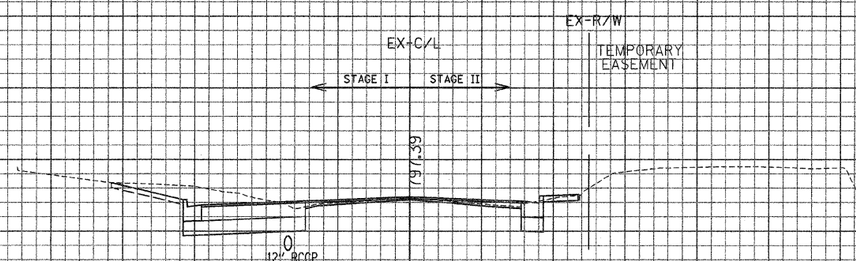
STAGE I	
TOPSOIL EXC.(SQ. FT)	7.6
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	7.7
EMBANKMENT(SQ. FT)	1.0
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	4.5
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.4
EMBANKMENT(SQ. FT)	2.5
POROUS GRANULAR EMB(SQ. FT)	0.0

456+00.00



455+72.60



STAGE I	
TOPSOIL EXC.(SQ. FT)	2.8
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	0.6
EMBANKMENT(SQ. FT)	1.8
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	4.1
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.1
EMBANKMENT(SQ. FT)	2.1
POROUS GRANULAR EMB(SQ. FT)	0.0

455+50.00

CONTRACT NO. 62700

FED. ROAD DIST. NO.	FAP RTE.
* (L-20W/136&64 & 6 EXT) MRS-1	866
STA.	SECTION
ILLINOIS FED. AID PROJECT	*
TO STA.	COUNTY
	LAKE
	TOTAL SHEET SHEETS NO.
	554 490

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

STA. 455+50 TO STA. 456+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\20004824_N\geo\Area_F\XSHT_F.dgn
DATE: 20-Jan-04 10:11

...\geo\Area_F\XSHT_F.dgn 2/29/2008 11:24:49 AM

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	*	LAKE	554	491
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

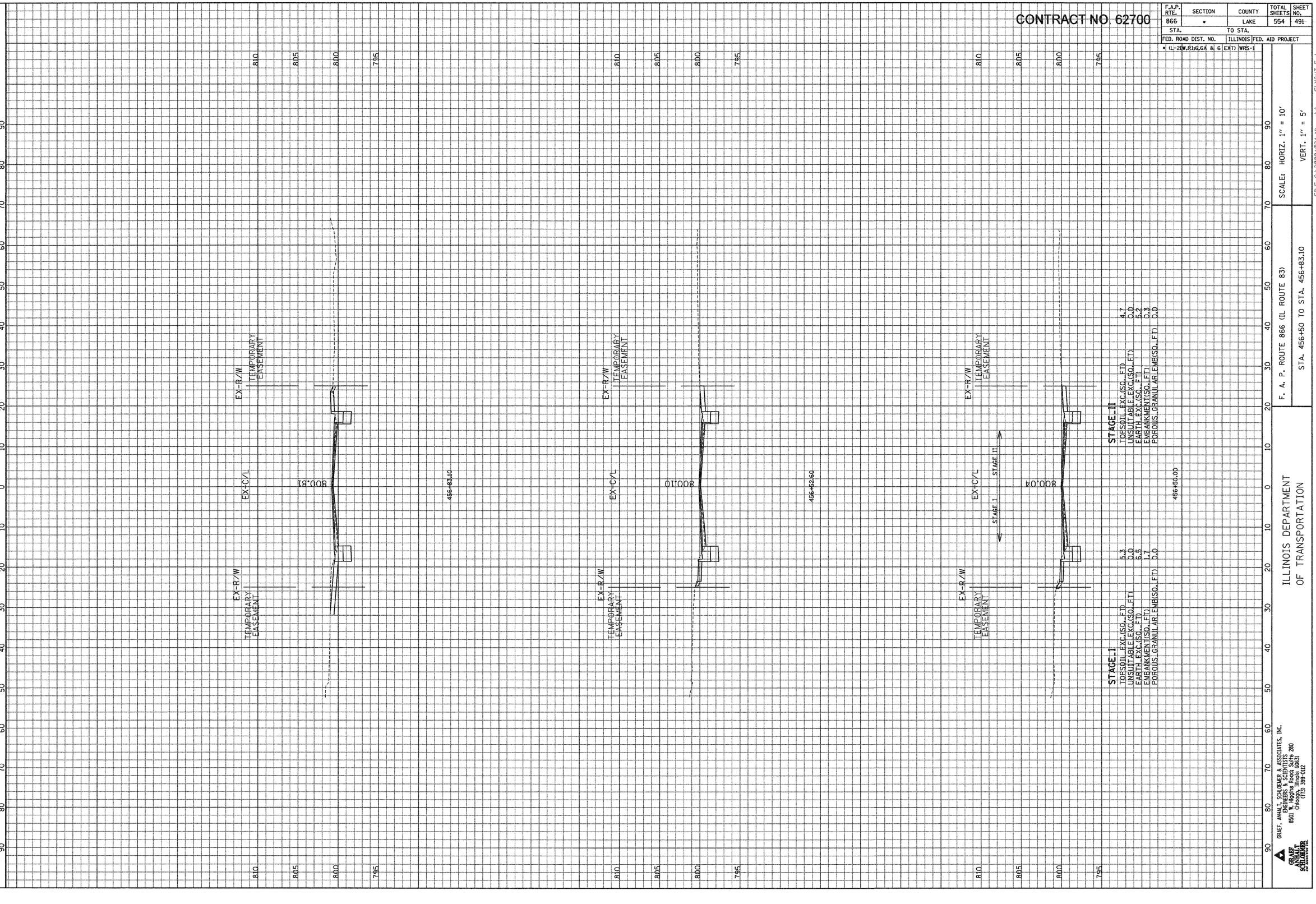
* (L-20W,R)6,6A & 6 EXT) WRS-1

SCALE: HORIZ. 1" = 10'
VERT. 1" = 5'

F. A. P. ROUTE 866 (IL ROUTE 83)

STA. 456+50 TO STA. 456+83.10

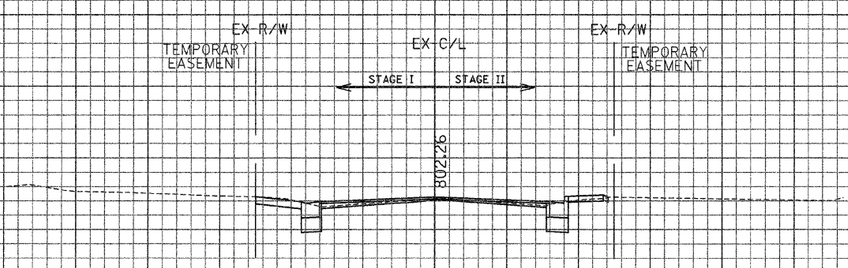
ILLINOIS DEPARTMENT OF TRANSPORTATION



GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
CONSULTING ENGINEERS & SCIENTISTS
850 N. Milwaukee Avenue, Suite 280
Chicago, Illinois 60631
(773) 399-0112

FILE: D:\2008\4824\Design\Xrefs\PLYXSHT_F.dgn
DATE: 28-Jan-09 10:11

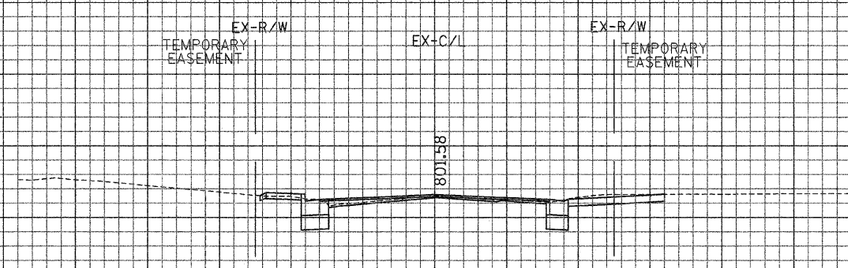
...\Xrefs\PLYXSHT_F.dgn 2/19/2009 11:25:05 AM



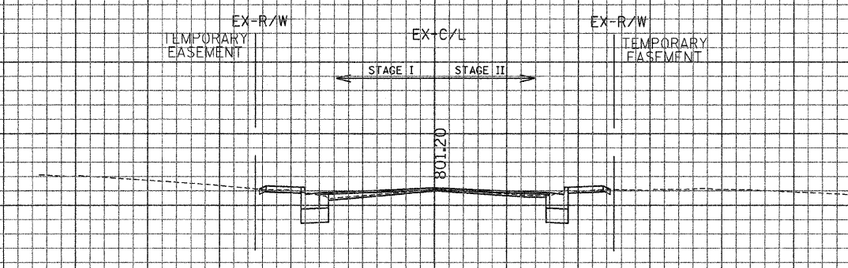
STAGE I	
TOPSOIL EXC.(SQ. FT)	4.6
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	4.6
EMBANKMENT(SQ. FT)	0.7
POROUS GRANULAR EME(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	4.3
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.4
EMBANKMENT(SQ. FT)	2.2
POROUS GRANULAR EME(SQ. FT)	0.0

457+50.00



457+18.00



STAGE I	
TOPSOIL EXC.(SQ. FT)	4.8
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.0
EMBANKMENT(SQ. FT)	3.0
POROUS GRANULAR EME(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	4.5
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.7
EMBANKMENT(SQ. FT)	2.2
POROUS GRANULAR EME(SQ. FT)	0.0

457+00.00

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
866	*	LAKE	554
FED. ROAD DIST. NO.	STA.	TO STA.	FED. AID PROJECT
ILLINOIS			492

* (L-2)M-13&64 & 6 EXT) MRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

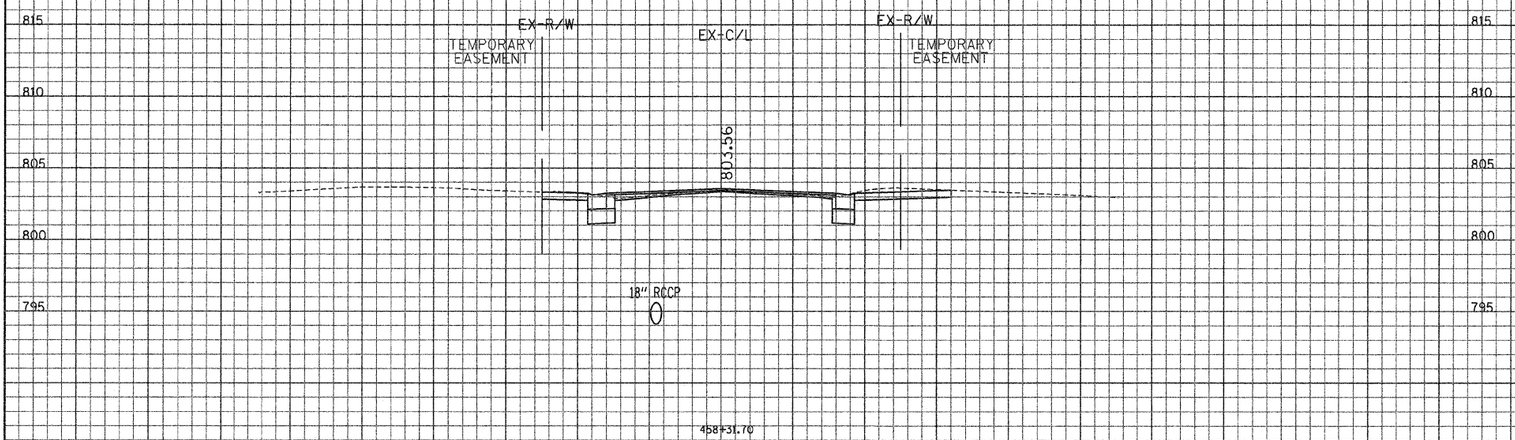
STA. 457+00 TO STA. 457+50

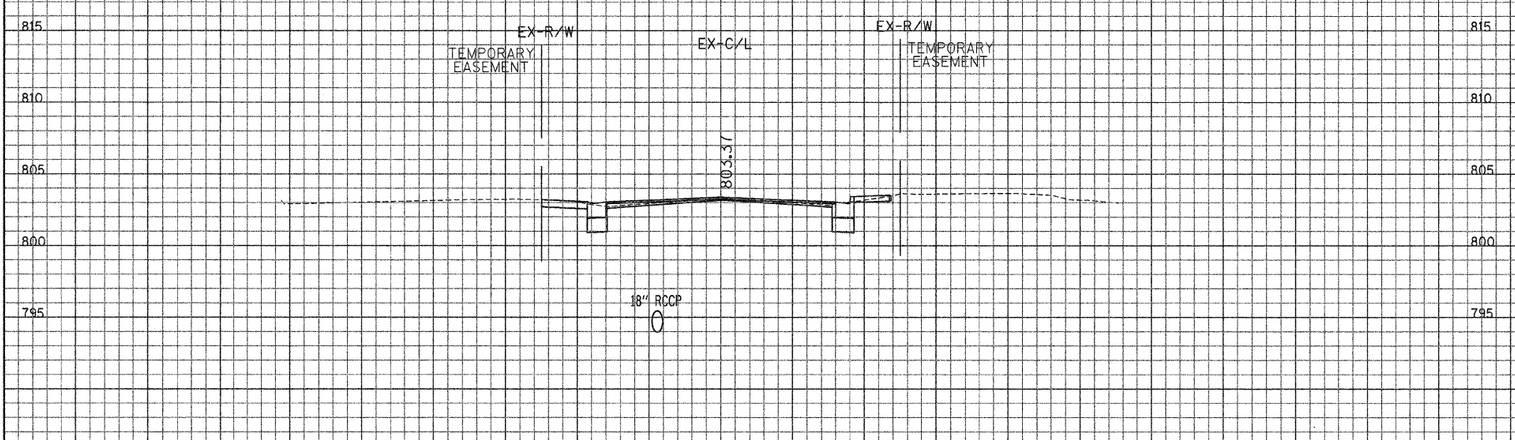
SCALE: HORIZ. 1" = 10'

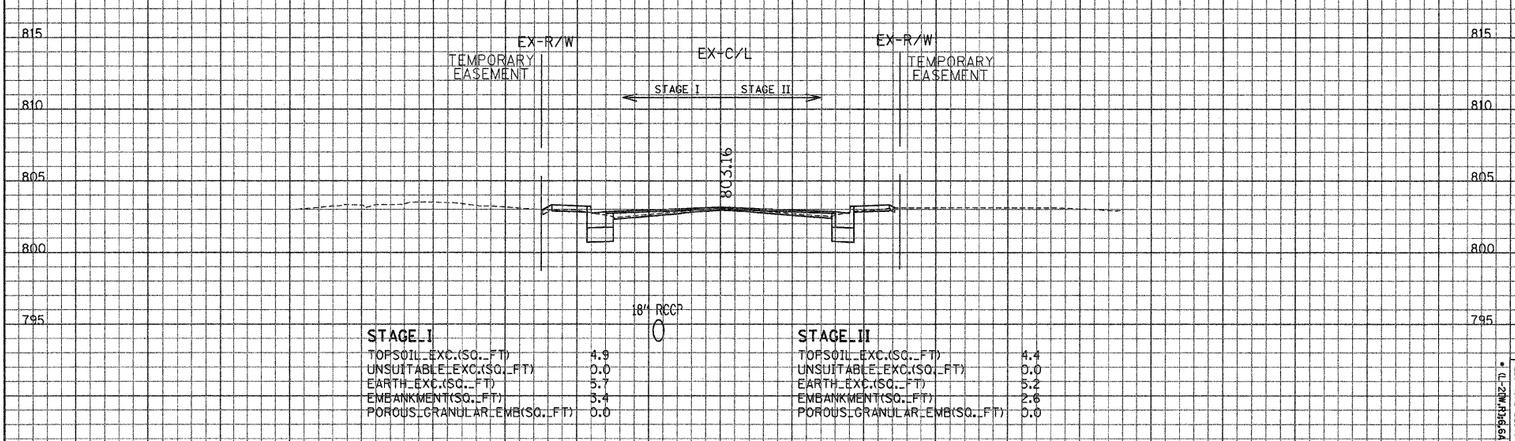
VERT. 1" = 5'

FILE: G:\20040424_N\geo\Area_F\XSHT_F.dgn
DATE: 20-Jan-04 10:11

G:\20040424_N\geo\Area_F\XSHT_F.dgn 2/29/2008 11:25:21 AM







STAGE I

TOPSOIL EXC.(SQ. FT)	4.9
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.7
EMBANKMENT(SQ. FT)	5.4
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II

TOPSOIL EXC.(SQ. FT)	4.4
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.2
EMBANKMENT(SQ. FT)	2.6
POROUS GRANULAR EMB(SQ. FT)	0.0

CONTRACT NO. 62700

* C-2CW,P3&4 & 6 EXT) MRS-1

FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT	F.A.P. RTE. 866	TOTAL SHEET SHEETS NO. 554 493
STA.	TO STA.	SECTION *	COUNTY LAKE

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 N. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

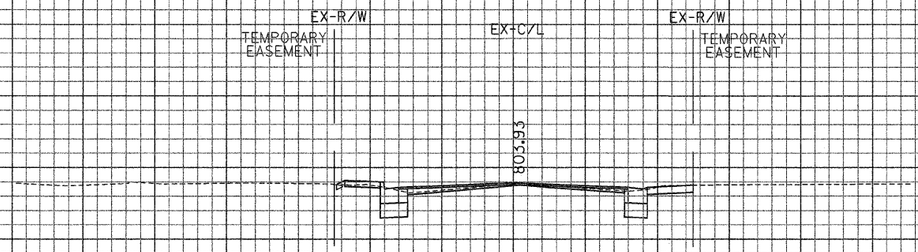
STA. 458+00 TO STA. 458+31.70

SCALE: HORIZ. 1" = 10'

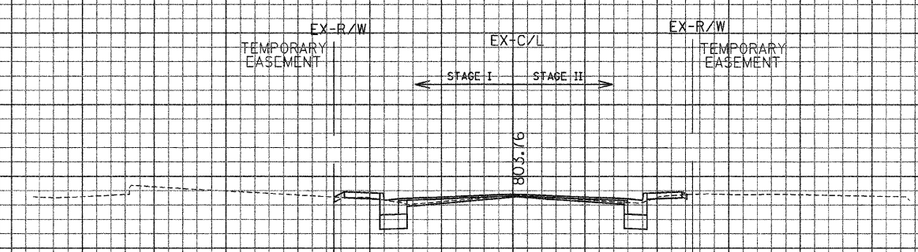
VERT. 1" = 5'

FILE: G:\20004024_NV\geo\Area_F\XSHT_F.dgn
DATE: 20-Jan-24 10:11

...\geo\Area_F\XSHT_F.dgn 2/29/2008 11:25:39 AM



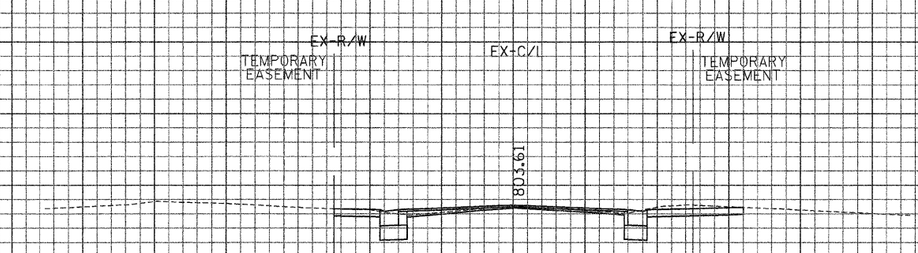
458+72.00



STAGE I	
TOPSOIL EXC.(SQ. FT)	5.1
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.6
EMBANKMENT(SQ. FT)	3.8
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE II	
TOPSOIL EXC.(SQ. FT)	4.4
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.1
EMBANKMENT(SQ. FT)	2.1
POROUS GRANULAR EMB(SQ. FT)	0.0

458+50.00



458+35.60

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	*	LAKE	554	494

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

STA. TO STA.

* (L-2&M,3,6&4 & 6 EXT) WRS-1

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

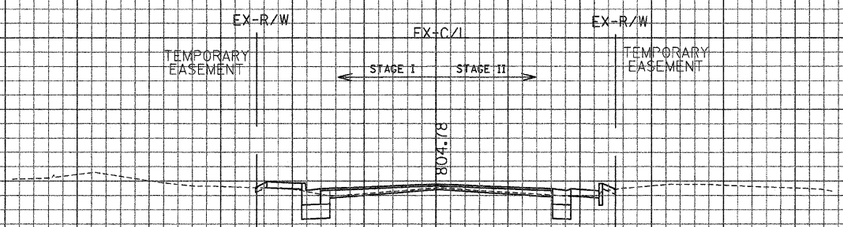
STA. 458+35.60 TO STA. 458+72

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

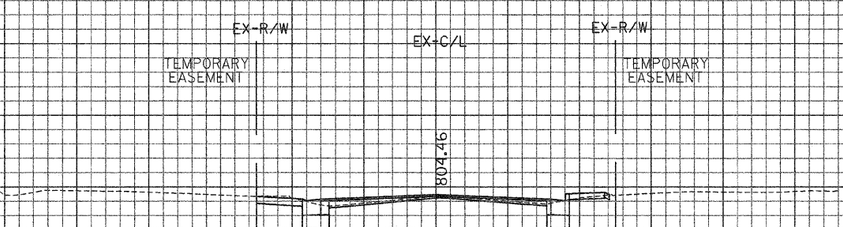
FILE: G:\2002\4024_N\geo\Area_F\XSHT_F.dgn
DATE: 20-Jan-04 10:11

...\geo\Area_F\XSHT_F.dgn 2/29/2008 11:25:55 AM

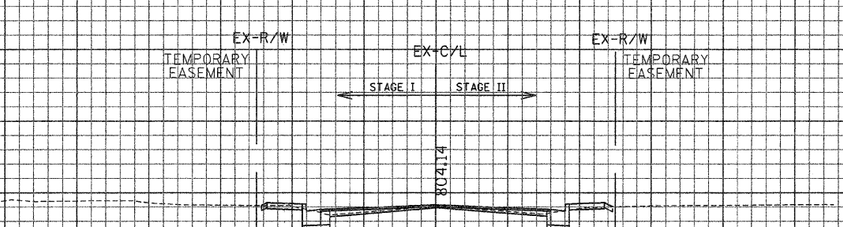


STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	5.2	TOPSOIL EXC.(SQ. FT)	1.3
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.0	EARTH EXC.(SQ. FT)	6.7
EMBANKMENT(SQ. FT)	3.3	EMBANKMENT(SQ. FT)	0.3
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

460+00.00



459+50.30



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	4.8	TOPSOIL EXC.(SQ. FT)	4.6
UNSUITABLE EXC.(SQ. FT)	0.0	UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	6.0	EARTH EXC.(SQ. FT)	5.1
EMBANKMENT(SQ. FT)	2.4	EMBANKMENT(SQ. FT)	2.9
POROUS GRANULAR EMB(SQ. FT)	0.0	POROUS GRANULAR EMB(SQ. FT)	0.0

459+00.00

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	*	LAKE	554	495

FED. ROAD DIST. NO. ILLINOIS | FED. AID PROJECT

STA. TO STA.

* (L-22W,23,24,64 & 6 EXT) HRS-1

GRAEF ANHALT SCHLOEMER and Associates Inc.
GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

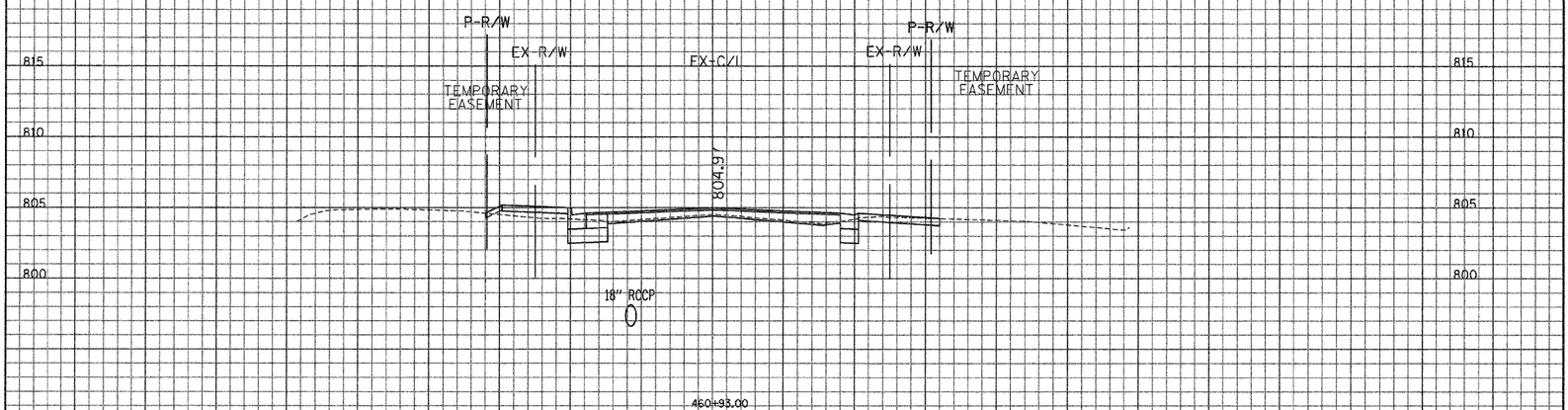
F. A. P. ROUTE 866 (IL ROUTE 83)

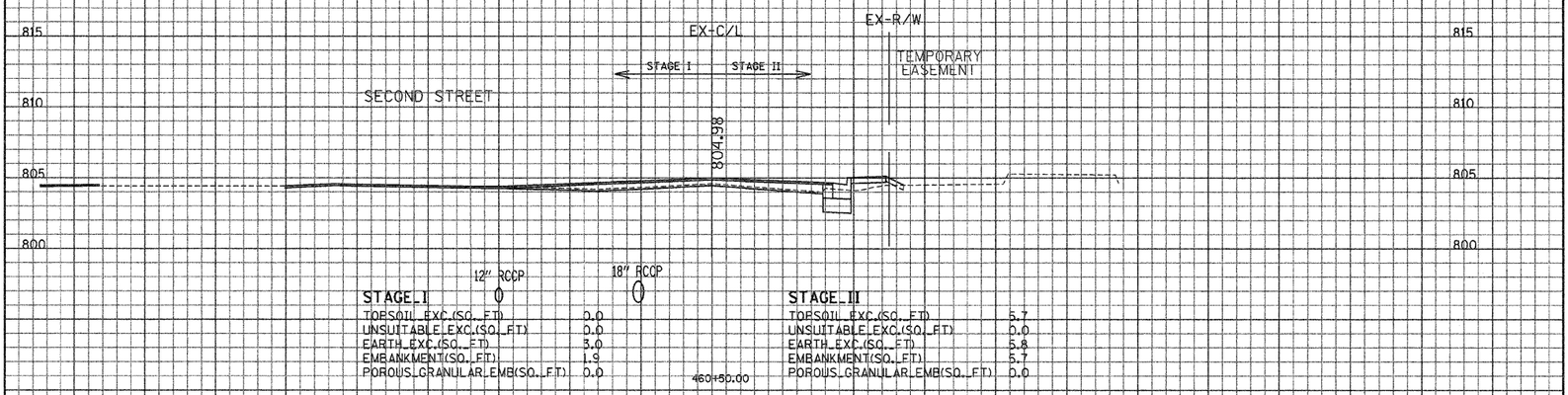
STA. 459+00 TO STA. 460+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\20004024_N\geo\Area_F\XSHT_F.dgn
DATE: 20-Jan-04 10:11



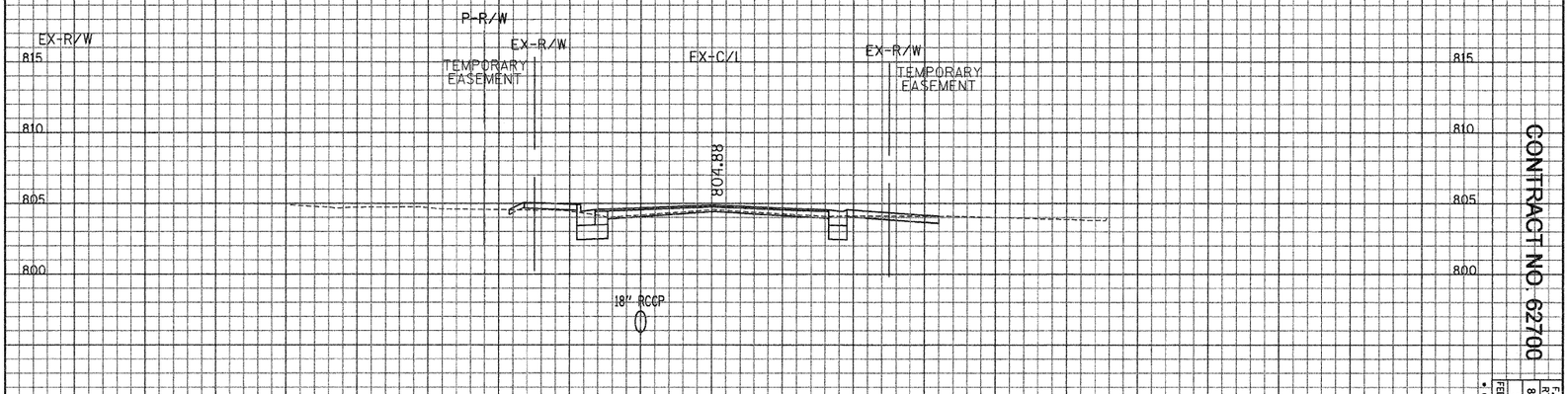


STAGE I

TOPSOIL EXC.(SQ. FT)	0.0
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	3.0
EMBANKMENT(SQ. FT)	1.9
POROUS GRANULAR EMB(SQ. FT)	0.0

STAGE III

TOPSOIL EXC.(SQ. FT)	5.7
UNSUITABLE EXC.(SQ. FT)	0.0
EARTH EXC.(SQ. FT)	5.8
EMBANKMENT(SQ. FT)	5.7
POROUS GRANULAR EMB(SQ. FT)	0.0



CONTRACT NO. 62700

FED. ROAD DIST. NO.	ILLINOIS
FED. AID PROJECT	* (I-294/I-94 & 6 EXT) NHPP-1
STA.	866
TO STA.	*
SECTION	
COUNTY	LAKE
TOTAL SHEETS	554
SHEET NO.	496
F.A.I.R. RTE.	

GRAEF ANHALT SCHLOEMER AND ASSOCIATES INC.
GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

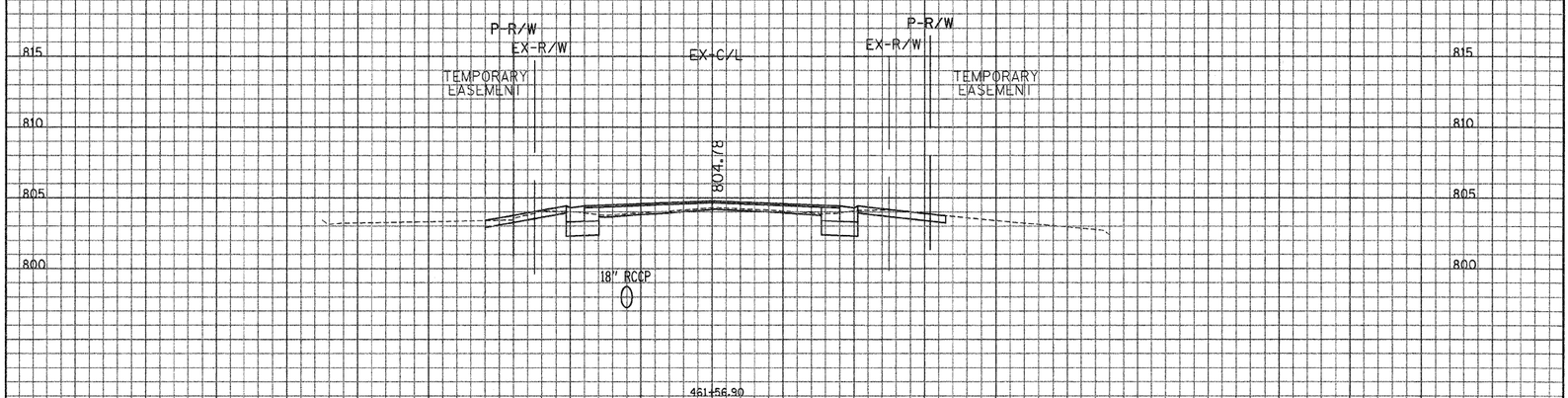
STA. 460+17.20 TO STA. 460+93

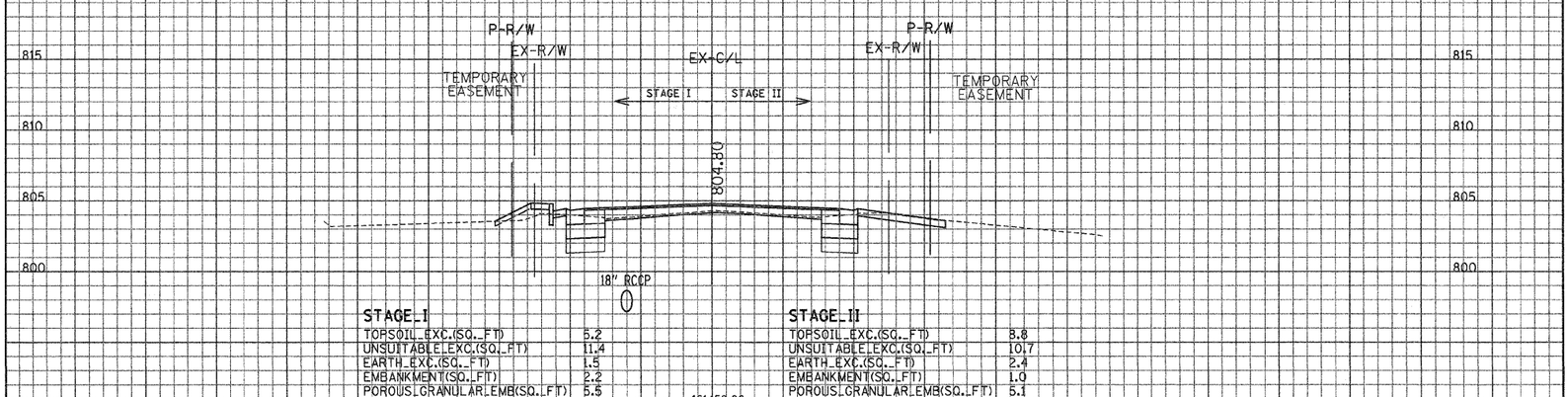
SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

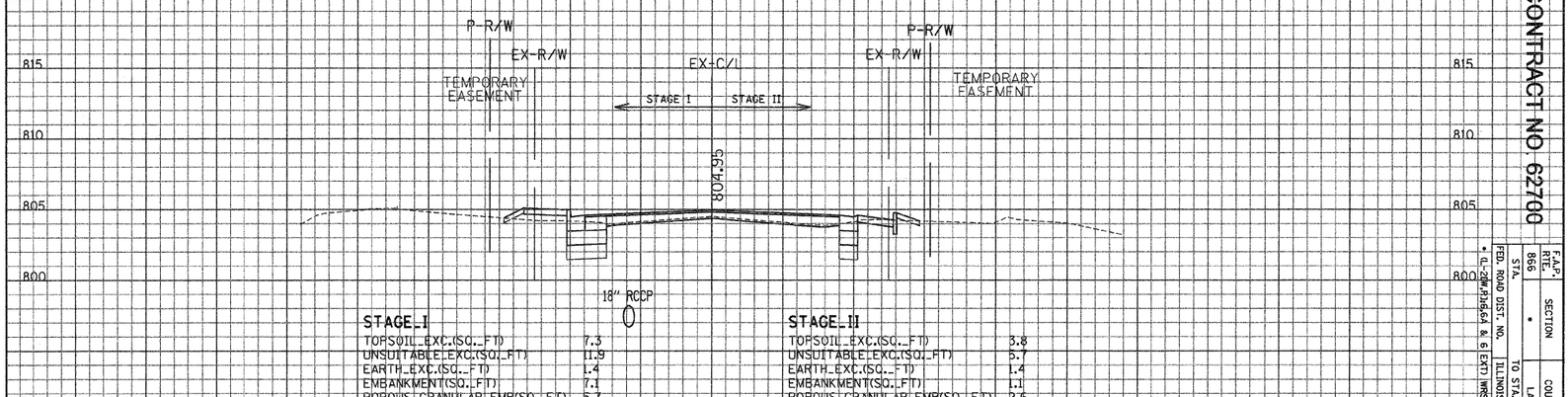
FILE: G:\20004024_N\geo\Area_F\XSHT_F.dgn
DATE: 20-Jan-04 10:11

...\geo\Area_F\XSHT_F.dgn 2/29/2008 11:26:24 AM





STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	5.2	TOPSOIL EXC.(SQ. FT)	8.8
UNSUITABLE EXC.(SQ. FT)	11.4	UNSUITABLE EXC.(SQ. FT)	10.7
EARTH EXC.(SQ. FT)	1.5	EARTH EXC.(SQ. FT)	2.4
EMBANKMENT(SQ. FT)	2.2	EMBANKMENT(SQ. FT)	1.0
POROUS GRANULAR EMB(SQ. FT)	5.5	POROUS GRANULAR EMB(SQ. FT)	5.1



STAGE I		STAGE II	
TOPSOIL EXC.(SQ. FT)	7.3	TOPSOIL EXC.(SQ. FT)	3.8
UNSUITABLE EXC.(SQ. FT)	11.9	UNSUITABLE EXC.(SQ. FT)	5.7
EARTH EXC.(SQ. FT)	1.4	EARTH EXC.(SQ. FT)	1.4
EMBANKMENT(SQ. FT)	7.1	EMBANKMENT(SQ. FT)	1.1
POROUS GRANULAR EMB(SQ. FT)	5.7	POROUS GRANULAR EMB(SQ. FT)	2.6

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	TOTAL SHEETS	SHEET NO.
866	*	554	497
FED. ROAD DIST. NO.	COUNTY		
ILLINOIS	LAKE		
FED. AID PROJECT	TO STA.		
* IL-28M(136&64 & 61 EXT) IMRS-2	STA.		

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

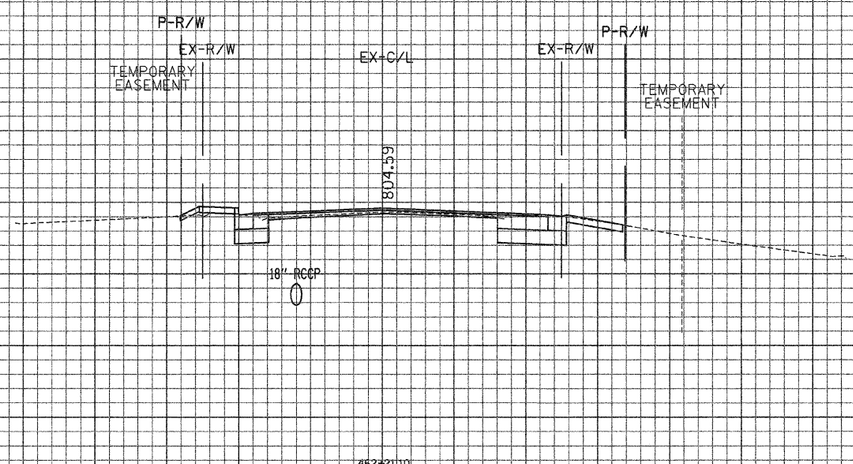
STA. 461+00 TO STA. 461+56.90

SCALE: HORIZ. 1" = 10'

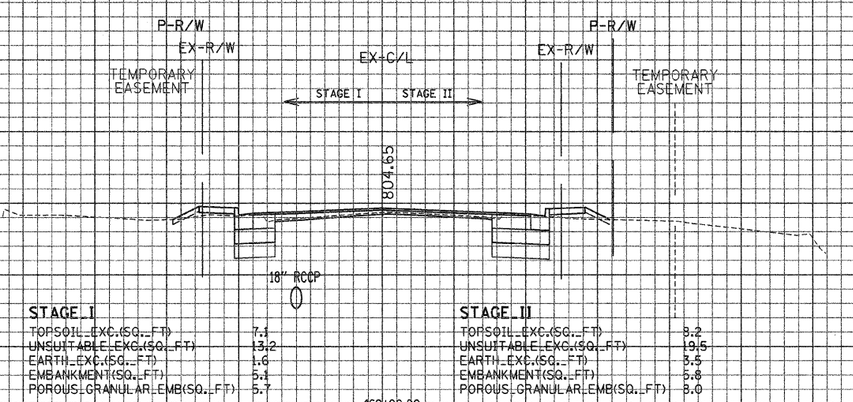
VERT. 1" = 5'

FILE: G:\20004024_N\geo\Area_F\XSHT_F.dgn
DATE: 20-Jan-04 10:11

...\geo\Area_F\XSHT_F.dgn 2/29/2008 11:26:40 AM



462+21.10



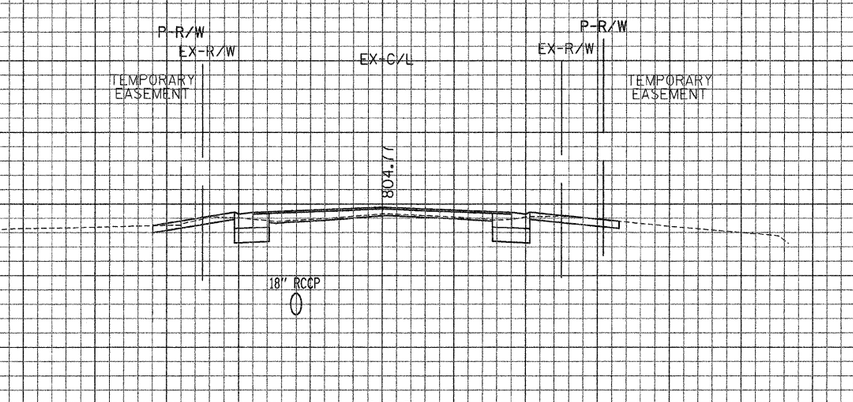
STAGE I

TOPSOIL EXC.(SQ. FT)	7.1
UNSUITABLE EXC.(SQ. FT)	13.2
EARTH EXC.(SQ. FT)	1.6
EMBANKMENT(SQ. FT)	5.1
POROUS GRANULAR EMB(SQ. FT)	5.7

STAGE II

TOPSOIL EXC.(SQ. FT)	8.2
UNSUITABLE EXC.(SQ. FT)	19.5
EARTH EXC.(SQ. FT)	3.5
EMBANKMENT(SQ. FT)	5.8
POROUS GRANULAR EMB(SQ. FT)	8.0

462+00.00



461+59.50

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

CONTRACT NO. 62700

F.A.P. RTE.	866
SECTION	*
COUNTY	LAKE
TOTAL SHEETS	554
SHEET NO.	498

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT
STA. | TO STA.
* (L-20W,13x6.64 & 6 EXT) MRS-1

GRAEF ANHALT SCHLOEMER and Associates P.C.
GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

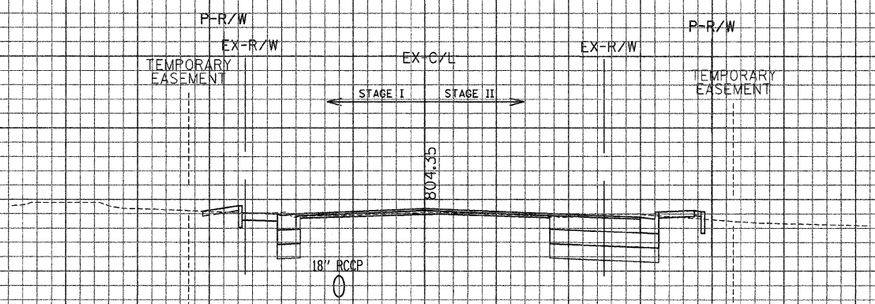
STA. 461+59.50 TO STA. 462+21.10

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\20004024_N\geo\Area_F\XSHT_F.dgn
DATE: 28-Jan-04 10:11

\geo\Area_F\XSHT_F.dgn 2/29/2008 11:26:56 AM



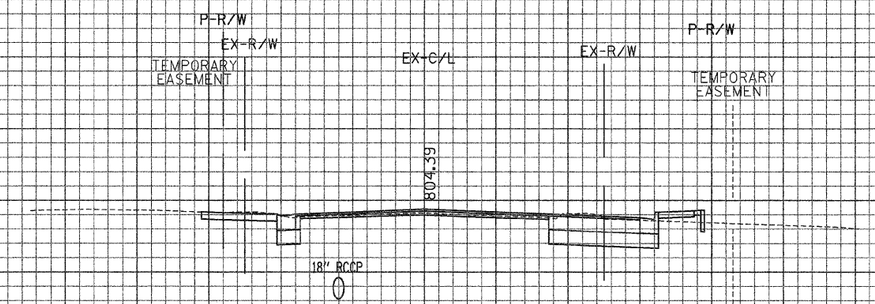
STAGE I

TOPSOIL EXC.(SQ. FT)	4.3
UNSUITABLE EXC.(SQ. FT)	8.2
EARTH EXC.(SQ. FT)	4.7
EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	5.2

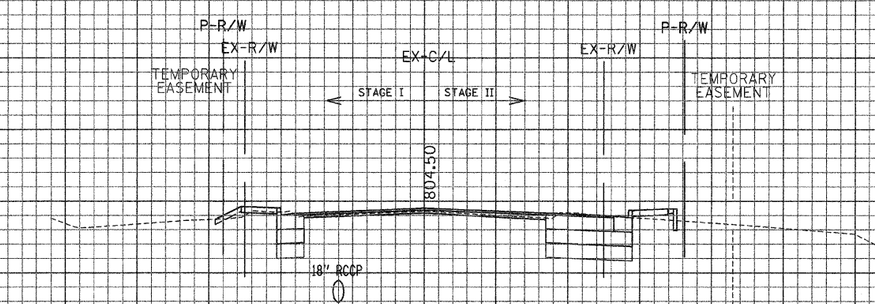
STAGE II

TOPSOIL EXC.(SQ. FT)	10.8
UNSUITABLE EXC.(SQ. FT)	40.0
EARTH EXC.(SQ. FT)	5.2
EMBANKMENT(SQ. FT)	3.1
POROUS GRANULAR EMB(SQ. FT)	15.2

463+00.00



462+87.60



STAGE I

TOPSOIL EXC.(SQ. FT)	6.2
UNSUITABLE EXC.(SQ. FT)	9.8
EARTH EXC.(SQ. FT)	3.6
EMBANKMENT(SQ. FT)	4.1
POROUS GRANULAR EMB(SQ. FT)	3.8

STAGE III

TOPSOIL EXC.(SQ. FT)	9.1
UNSUITABLE EXC.(SQ. FT)	30.6
EARTH EXC.(SQ. FT)	2.8
EMBANKMENT(SQ. FT)	4.2
POROUS GRANULAR EMB(SQ. FT)	12.0

462+50.00

CONTRACT NO. 62700

FED. ROAD DIST. NO.		F.A.P. RTE.	866
STA.		SECTION	*
TO STA.		COUNTY	LAKE
FED. AID PROJECT	ILLINOIS	TOTAL SHEET SHEETS NO.	554 / 499

* (I-294/I-57&64 & 6 EXT) NHS-1

GRAEF ANHALT SCHLOEMER AND ASSOCIATES INC.
GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

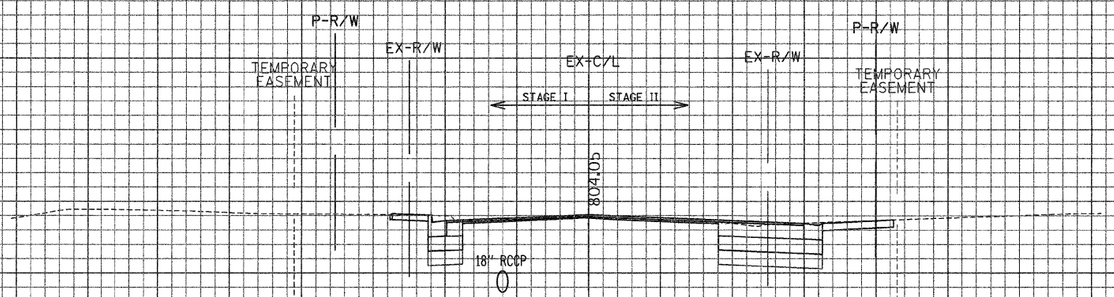
STA. 462+50 TO STA. 463+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\20004024_N\geo\Area_F\XSHT_F.dgn
DATE: 28-Jan-04 10:11

...\geo\Area_F\XSHT_F.dgn 2/29/2008 11:27:12 AM



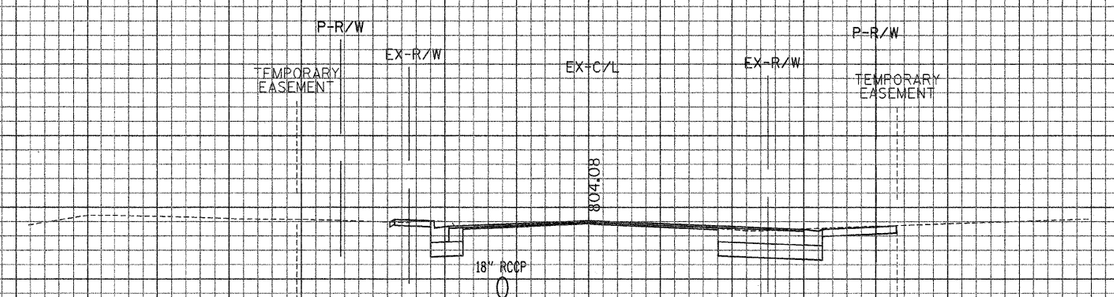
STAGE I

TOPSOIL EXC.(SQ. FT)	5.1
UNSUITABLE EXC.(SQ. FT)	13.6
EARTH EXC.(SQ. FT)	2.2
EMBANKMENT(SQ. FT)	0.7
POROUS GRANULAR EMB(SQ. FT)	4.8

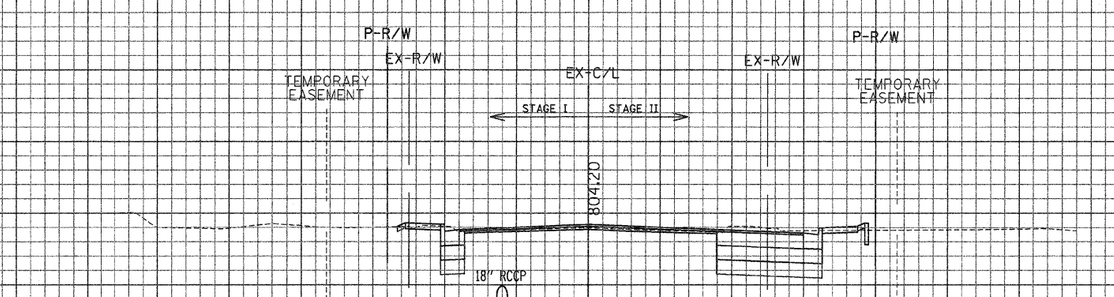
464+00.00

STAGE II

TOPSOIL EXC.(SQ. FT)	10.5
UNSUITABLE EXC.(SQ. FT)	35.8
EARTH EXC.(SQ. FT)	2.0
EMBANKMENT(SQ. FT)	0.0
POROUS GRANULAR EMB(SQ. FT)	14.5



463+88.40



STAGE I

TOPSOIL EXC.(SQ. FT)	4.7
UNSUITABLE EXC.(SQ. FT)	8.0
EARTH EXC.(SQ. FT)	1.6
EMBANKMENT(SQ. FT)	1.7
POROUS GRANULAR EMB(SQ. FT)	3.4

463+50.00

STAGE II

TOPSOIL EXC.(SQ. FT)	10.6
UNSUITABLE EXC.(SQ. FT)	10.9
EARTH EXC.(SQ. FT)	1.3
EMBANKMENT(SQ. FT)	2.1
POROUS GRANULAR EMB(SQ. FT)	14.7

CONTRACT NO. 62700

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	•	LAKE	554	500

FED. ROAD DIST. NO. • ILLINOIS FED. AID PROJECT • IL-22W(13)&64 & 6 EXT) HRS-1

STA. TO STA.

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

ILLINOIS DEPARTMENT OF TRANSPORTATION

F. A. P. ROUTE 866 (IL ROUTE 83)

STA. 463+50 TO STA. 464+00

SCALE: HORIZ. 1" = 10'

VERT. 1" = 5'

FILE: G:\2020\024_N\geo\Area_F\XSHT_F.dgn
DATE: 20-Jan-04 10:11

...\geo\Area_F\XSHT_F.dgn 2/29/2008 11:27:28 AM