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TOTAL SHEETS = 18



**Design Designation**

A.D.T. 1971	=	230
A.D.T. 1996	=	400
D.H.V.	=	60
D.	=	50 %
T.	=	10 %
V.	=	40 M.P.H.

STATE OF WISCONSIN  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**

**PLAN AND PROFILE OF PROPOSED**

DUGINSKI ROAD  
**MERRILL - U.S.H. 51**  
MILL ST. BRIDGE AND APPROACHES  
LINCOLN COUNTY

STATE PROJECT NUMBER  
**9856 - 1 - 70**

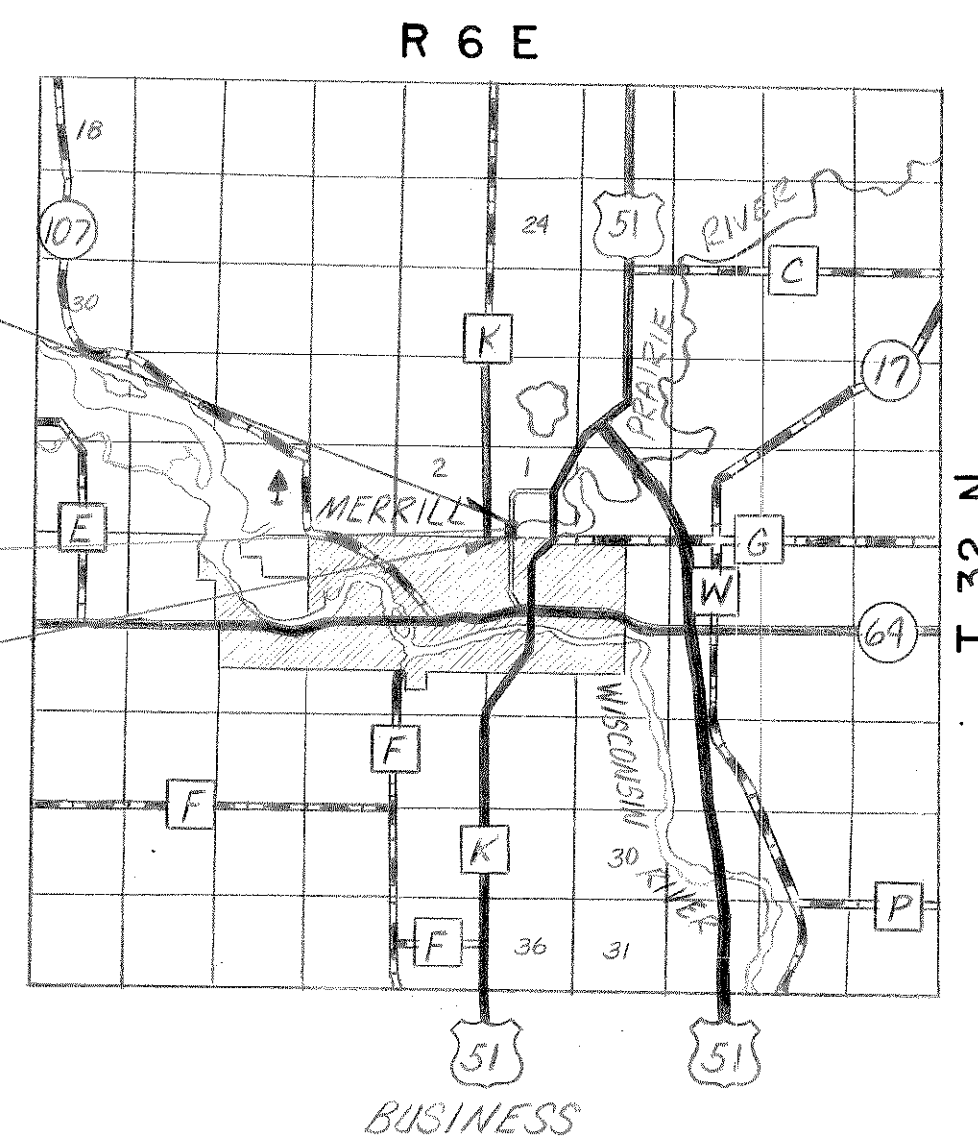
Scales  
Plan 1 in. = 50'  
Profile Hor. 1 in. = 50' Vert. 1 in. = 5'  
Cross Sections Hor. 1 in. = 10' Vert. 1 in. = 2'

**END PROJECT 9856-1-70**  
STA. 13+50  
APPROX. 342' NORTH AND 1250' EAST OF SW COR. SEC. 1, T-31-N, R-6-E.  
\* N 496,020 (±200')  
\* E 2,080,350 (±200')

**STRUCTURE B-73**  
STA. 11+02.12

**BEGIN PROJECT 9856-1-70**  
STA. 9+81  
APPROX. 0' SOUTH AND 1250' EAST OF SW COR. SEC. 1, T-31-N, R-6-E.  
\* N 495,650 (±200')  
\* E 2,080,350 (±200')

\* COORDINATES ARE SCALED FROM USGS MERRILL QUADRANGLE FOR IDENTIFICATION ONLY.



GN

**Conventional Signs**

County Line	-----	Culverts in Place	-----
Township or Range Line	-----	Culverts Required	-----
Section Line	-----	Drop Inlet	-----
New Right of Way Line	-----	Power Pole	-----
Present Right of Way Line	-----	Telephone or Telegraph Pole	-----
Wire Fence	-----	Right of Way Markers	-----
Corporate or City Limits	-----	Reference Stake for Hubs Only	-----
Property Line	-----	Marsh	-----
Traveled Way or P.E.	-----	Hedge	-----
Railroads	-----	Trees	-----
Base or Survey Line	-----	Ground Elevation	-----
Caution Symbol (combustible fluids under pressure)	-----	Grade Elevation	-----



Total Net Length of Centerline = .070 Mi. Rural

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
9856-1-70	OS 3599 (1)	1

LINCOLN COUNTY HIGHWAY DEPARTMENT  
APPROVING *James X. [Signature]* 2-26-76  
COUNTY HIGHWAY COMMISSIONER DATE

*Alvin R. [Signature]*

PLANS PREPARED BY  
**MEAD AND HUNT INC.**  
CONSULTING ENGINEERS  
MADISON, WISCONSIN

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
Surveyor G.R.K. District Checker R.J.S.  
Designer G.R.K. C.O. Checker I.L.J.

Correct:  
Date 4/5/76 *R. Schindler*  
District Engineer

Recommended for Approval:  
Date 5-17-76 *D. J. Strank*  
Chief of Facilities Development

Approved:  
Date 5/19/76 *A. L. P. [Signature]*  
State Highway Engineer

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
REGION 5 WISCONSIN DIVISION

Approved:  
Date \_\_\_\_\_  
Division Engineer

ALL COORDINATES SHOWN ON PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE SYSTEM CENTRAL ZONE.



PROJECT DESIGNATION	SHEET NO.
9856-1-70	3
ESTIMATE OF QUANTITIES AND TYPICAL SECTION SHEET FOR	
DUGINSKI ROAD	LINCOLN COUNTY

CONTRACT NO. 1  
 GRADE, BASE, SURFACE, BITUMINOUS  
 CONCRETE PAVEMENT AND  
 STRUCTURE B-35-73

# ESTIMATE OF QUANTITIES

CONTRACT NO.	STATION TO STATION	NET LENGTH OF CENTERLINE	REMOVING OLD BRIDGE STA. 10+88	REMOVING PAVEMENT	EXCAVATION FOR STRUCTURES, BRIDGES B-35-73	COFFERDAMS	BORROW EXCAVATION	FINISHING ROADWAY	CRUSHED AGGREGATE BASE COURSE	BITUMINOUS CONCRETE PAVEMENT	BITUMINOUS MATERIAL FOR SURFACE COURSE	CONCRETE MASONRY, BRIDGES	CONCRETE MASONRY, SEAL	PRE-STRESSED GIRDER, I TYPE, 45-INCH	HIGH-STRENGTH BAR STEEL REINFORCEMENT, BRIDGES	STRUCTURAL CARBON STEEL	BEARING PADS, ELASTOMERIC	TREATED TIMBER PILING, DELIVERED	TREATED TIMBER PILING, DRIVEN	TREATED TIMBER TEST PILING B-73
			ITEM NO.	20351	20401	20610	20650	20801	21301	30403	40701	40702	50201	50211	50305	50504	50601	50625	50816	50820
UNIT	LIN. FEET	L.S.	SQ. YD.	L.S.	L.S.	CU. YD.	L.S.	CU. YD.	TON	TON	CU. YD.	CU. YD.	LIN. FT.	POUND	POUND	SQ. FT.	LIN. FT.	LIN. FT.	L.S.	
1	9+81 - 13+50	369.00	1	1030	1	1	585	1	175	196	12	450	126	744	68,015	400	38	2,470	2,470	1
1	TOTAL	369.00	1	1030	1	1	585	1	175	196	12	450	126	744	68,015	400	38	2,470	2,470	1

TUBULAR BAILING, TYPE F, STRUCTURE B-73	HEAVY RIP RAP	ANCHORAGES FOR STEEL PLATE BEAM GUARD	STEEL PLATE BEAM GUARD CLASS "A"	MOBILIZATION	SALVAGED TOPSOIL	MULCHING	EROSION BALES	FERTILIZER	SEEDING	SODDING	FIELD OFFICE, TYPE A	ON THE JOB TRAININGS
51340	60602	61406	61408	61910	62505	62902	62810	62901	63002	63101	64201	90001
L.S.	CU. YD.	EACH	LIN. FT.	L.S.	SQ. YD.	SQ. YD.	EACH	CWT	POUND	SQ. YD.	L.S.	HOURS
1	495	2	519	1	645	610	20	1	12	100	1	1,000
1	495	2	519	1	645	610	20	1	12	100	1	1,000

## GENERAL NOTES

THIS PROJECT IS TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE WISCONSIN DIVISION OF HIGHWAYS - EDITION OF 1975.

EXCAVATION BELOW SUBGRADE (EBS) IS NOT SHOWN ON THE CROSS-SECTIONS AND IS NOT USED IN YARDAGE SUMMARY.

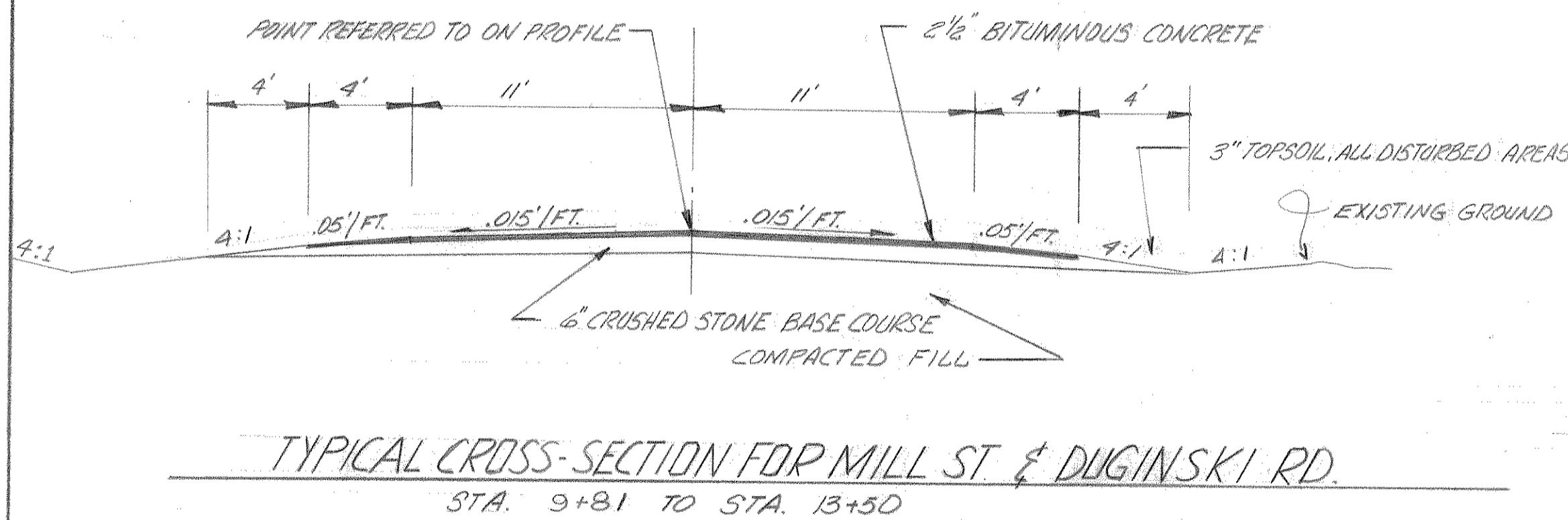
DISTURBED AREAS WITHIN RIGHT-OF-WAY EXCLUSIVE OF THE ROADBED ARE TO BE FERTILIZED, SEEDED, AND MULCHED.

SALVAGED TOP SOIL SHALL BE PLACED ON THE SLOPES TO THE POINT OF INTERCEPT WITH THE ORIGINAL GROUND SHOWN ON THE CROSS-SECTIONS, TO A DEPTH OF 3" AT THE TIME OF PLACEMENT.

USE GRADATION 2 SEED MIXTURE.

## STANDARD ABBREVIATIONS

A.D.T.	AVERAGE DAILY TRAVEL	NO.	NUMBER
ABUT.	ABUTMENT	PAVT	PAVEMENT
APPROX.	APPROXIMATELY	PSI	POUNDS PER SQUARE INCH
B.F.	BACK FACE	P.V.C.	POLYVINYL CHLORIDE
BIT.	BITUMINOUS	Q	DISCHARGE
BLDS.	BUILDING	R.R.	RAIL ROAD
B.M.	BENCH MARK	R.D.S.	ROADWAY DESIGN SPEED (M.P.H.)
BRG.	BEARING	R.D.W.	RIGHT OF WAY
C-C	CENTER TO CENTER	R	REFERENCE LINE
C.F.S.	CUBIC FEET PER SECOND	REINF.	REINFORCING
CL	CENTER LINE	RD	ROAD
CL	CLEARANCE	RNY	ROADWAY
CO.	COMPANY	SW	SOUTH WEST
COMM.	COMMISSION	SQ. MI.	SQUARE MILES
CONC.	CONCRETE	SEC.	SECTION
CONST.	CONSTRUCTION	SPA.	SPACES
D.	DISTRIBUTION OF TRAFFIC IN EACH DIRECTION	SPEC'S	SPECIFICATIONS
D.H.V.	DESIGN HOURLY VOLUME	SUPER.	SUPERSTRUCTURE
DET.	DETAIL	STA.	STATION
DIAPH.	DIAPHRAGM	SYM.	SYMMETRICAL
DIM.	DIMENSION	T	PER CENT TRUCKS (OF D.H.V.)
E	EAST	TYP.	TYPICAL
EL.	ELEVATION	V.	DESIGN SPEED (M.P.H.)
EST.	ESTIMATED		
EXIST.	EXISTING		
F.F.	FRONT FACE		
F.P.S.	FEET PER SECOND		
FT	FOOT		
FTS.	FOOTING		
H.W.	HIGH WATER		
JT	JOINT		
L	LENGTH		
M.P.H.	MILES PER HOUR		
N.	NORTH		



STEEL PLATE BEAM GUARD, CLASS "A"		
LOCATION	LIN. FT.	ANCHORAGES
8+05 - 10+00 RT. & LT.	390	2
12+10 - 12+74 RT. & LT.	129	2

SODDING	
LOCATION	SQ. YDS.
UNDISTRIBUTED	100

## APPLICABLE STANDARD DETAIL DWGS.

- 8E8-1 TYPICAL INSTALLATIONS OF EROSION BALES
- 1E8B-1 NAME PLATE (STRUCTURES)
- M52-4a,b CLASS "A" STEEL PLATE BEAM GUARD & STEEL PLATE MEDIAN GUARD
- 15C1-4 CONSTRUCTION BARRICADES & STANDARD SIGNS

MILL STREET BRIDGE  
 QUANTITIES  
 B-73  
 MERRILL, WISCONSIN  
 OCTOBER 1975

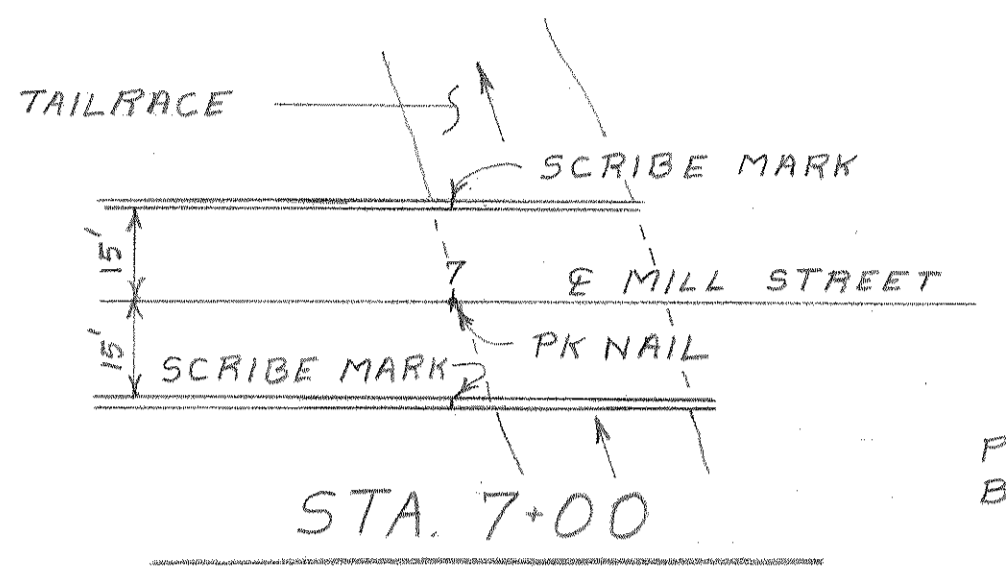
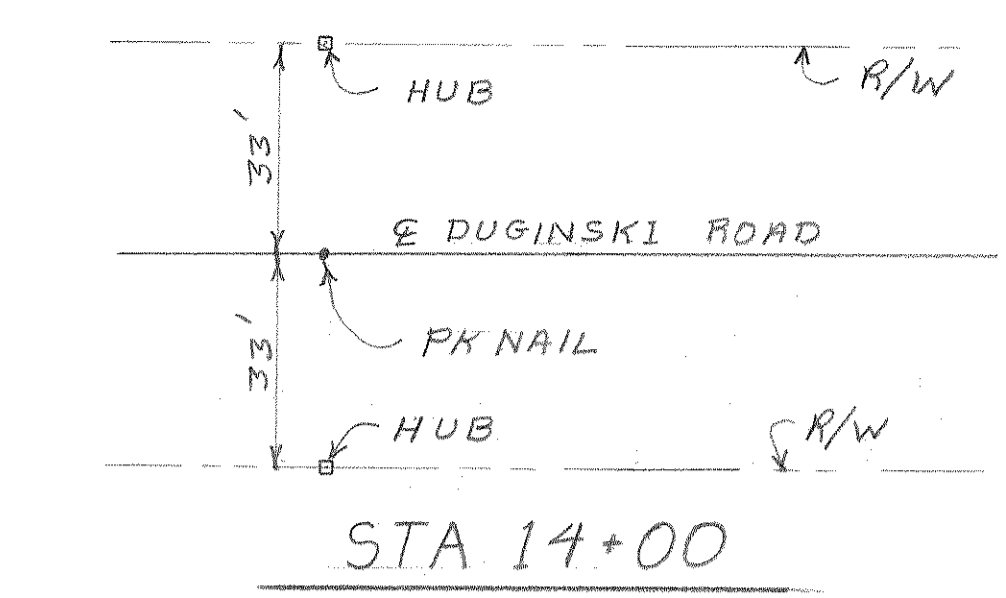
DESIGNED _____	MEAD AND HUNT, INC. CONSULTING ENGINEERS MADISON, WISCONSIN	A-6548 JOB NO. 165-75A
DRAWN _____		
TRACED _____		
CHECKED _____		
APPROVED _____		



STATE PROJECT NUMBER	SHEET NO.
9856-1-70	5
PLAN AND PROFILE STA 9+81 - STA 13+50 PLUS APPROACH ROAD STA 8+00 - STA 9+81 DUGINSKI ROAD LINCOLN COUNTY	

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 NO. \_\_\_\_\_

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 NO. \_\_\_\_\_

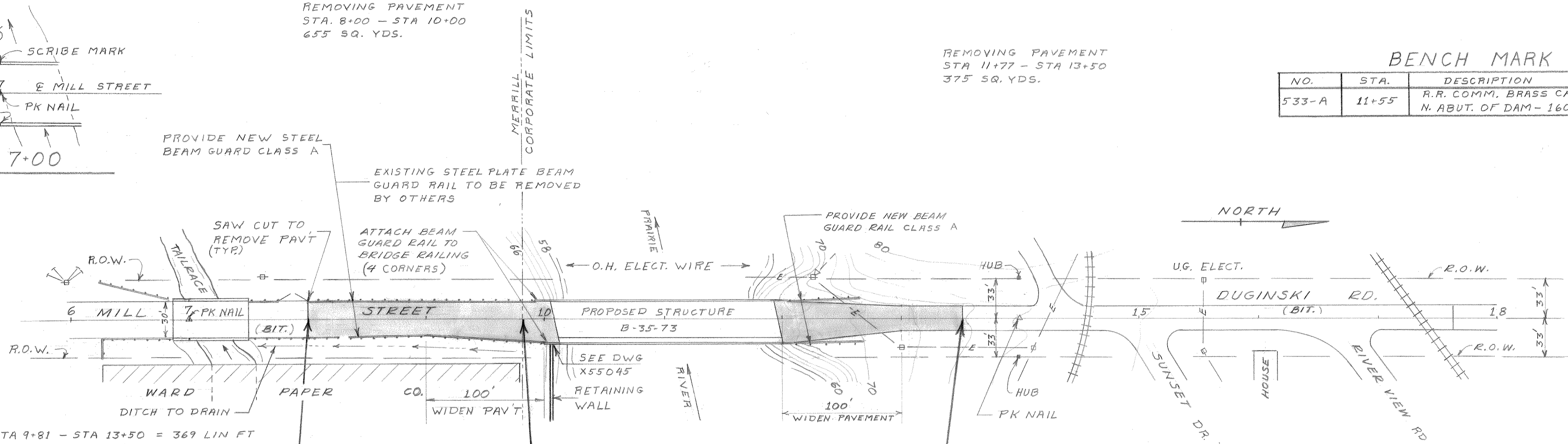


REMOVING PAVEMENT  
 STA. 8+00 - STA 10+00  
 655 SQ. YDS.

REMOVING PAVEMENT  
 STA 11+77 - STA 13+50  
 375 SQ. YDS.

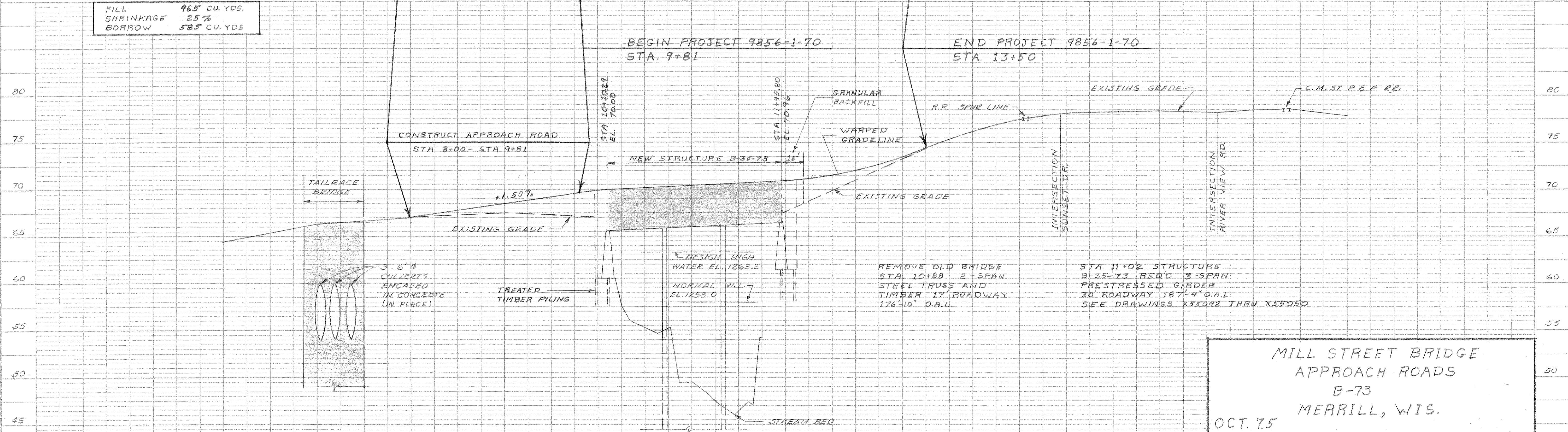
BENCH MARK

NO.	STA.	DESCRIPTION	ELEV.
533-A	11+55	R.R. COMM. BRASS CAP N. ABUT. OF DAM - 160' RT.	1274.01



NET CENTERLINE LENGTH STA 9+81 - STA 13+50 = 369 LIN FT

FILL	965 CU. YDS.
SHRINKAGE	25%
BORROW	585 CU. YDS.



MILL STREET BRIDGE  
 APPROACH ROADS  
 B-73  
 MERRILL, WIS.  
 OCT. 75

FINISHED	66.46	66.29	67.06	68.56	69.95	70.46	70.98	71.50	72.65	74.40	76.10	78.02	78.32
EXISTING	64.46	66.29	67.06	67.50	67.04	66.65	67.65	69.85	71.81	74.40	76.10	78.02	78.32
	6+00	7	8	9	10+00	11	12	13	14	15+00	16		

DESIGNED	GRK	MEAD AND HUNT, INC. CONSULTING ENGINEERS MADISON, WISCONSIN	A-6548 JOB NO. 665-75A
DRAWN	DAS		
TRACED			
CHECKED	ECB		
APPROVED			

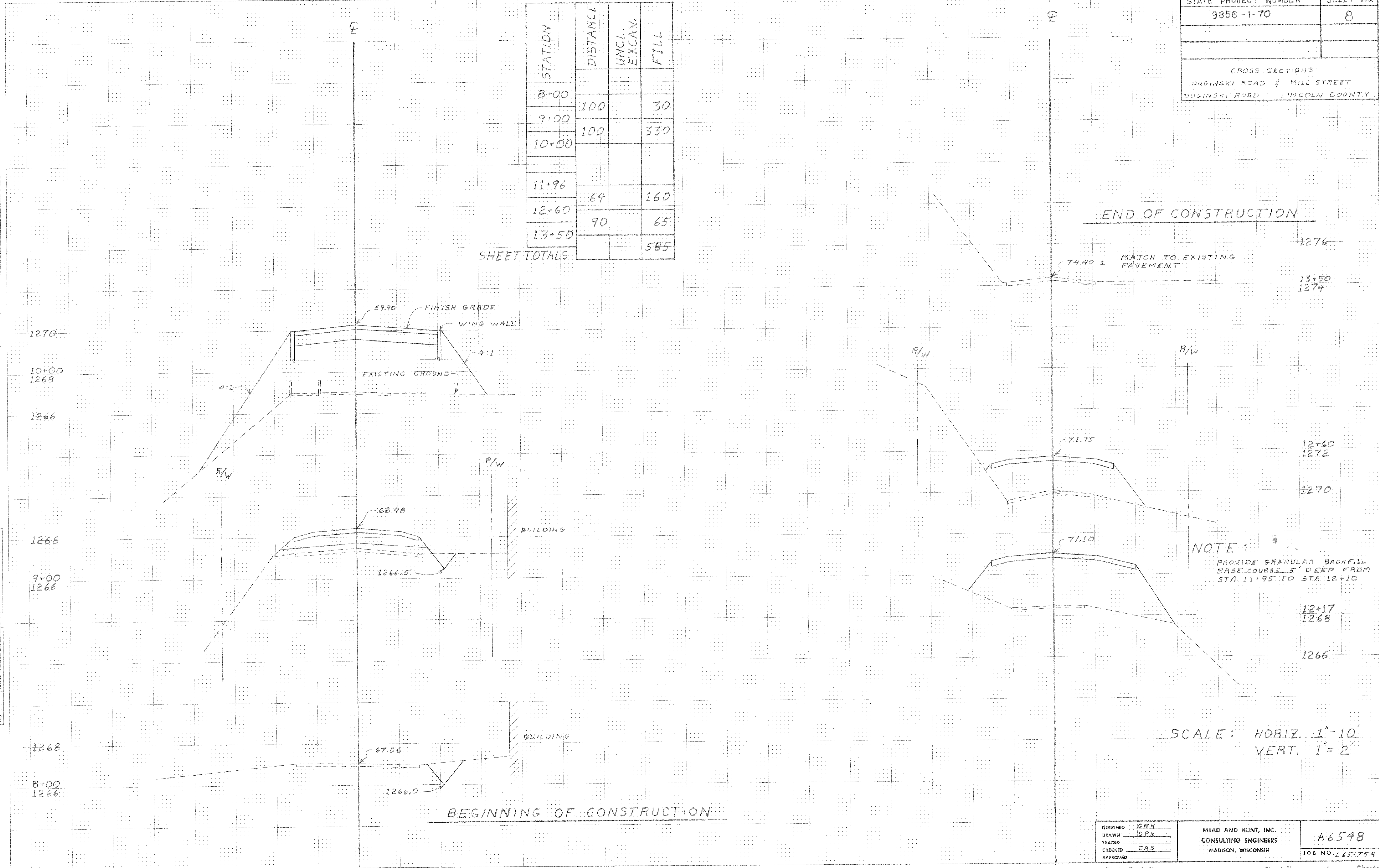


STATE PROJECT NUMBER	SHEET NO.
9856-1-70	8
CROSS SECTIONS	
DUGINSKI ROAD & MILL STREET	
DUGINSKI ROAD LINCOLN COUNTY	

STATION	DISTANCE	UNCL. EXCAV.	FILL
8+00			
9+00	100		30
10+00	100		330
11+96			
12+60	64		160
13+50	90		65
SHEET TOTALS			585

DATE \_\_\_\_\_ BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_ PLOTTED \_\_\_\_\_  
 ORIGINAL SURVEY BOOK NO. \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_

DATE \_\_\_\_\_ BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_ PLOTTED \_\_\_\_\_  
 ORIGINAL SURVEY BOOK NO. \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_



NOTE:  
 PROVIDE GRANULAR BACKFILL  
 BASE COURSE 5' DEEP FROM  
 STA. 11+95 TO STA 12+10

SCALE: HORIZ. 1"=10'  
 VERT. 1"=2'

DESIGNED GRK	MEAD AND HUNT, INC. CONSULTING ENGINEERS MADISON, WISCONSIN	A6548 JOB NO. L65-75A
DRAWN GRK		
CHECKED DAS		
APPROVED _____		