

STATION	DISTANCE	YARDAGE			FILL
		UNCL	EBS	MARKH	
137	100	327			
138	100	300			10
139	100	391			40
140	100	150	66		50
141					
142					
143					
144					
145					
146					
147					
148					
149					
150					
151					
152					
153					
154					
155					
156					
157					
158					
159					
160					
161					
162					
163					
164					
165					
166					
167					
168					
169					
170					
171					
172					
173					
174					
175					
176					
177					
178					
179					
180					
181					
182					
183					
184					
185					
186					
187					
188					
189					
190					
191					
192					
193					
194					
195					
196					
197					
198					
199					
200					

SHEET TOTAL 1002 66 100

# SCHEDULE OF LANDS & INTERESTS REQUIRED

AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED.

REVISION DATE	ROUTE C.T.H. "D"	COUNTY LINCOLN	DATE	R/W PROJECT NUMBER 9410-01-00	SHEET NUMBER 4.1
				FEDERAL PROJECT NUMBER	

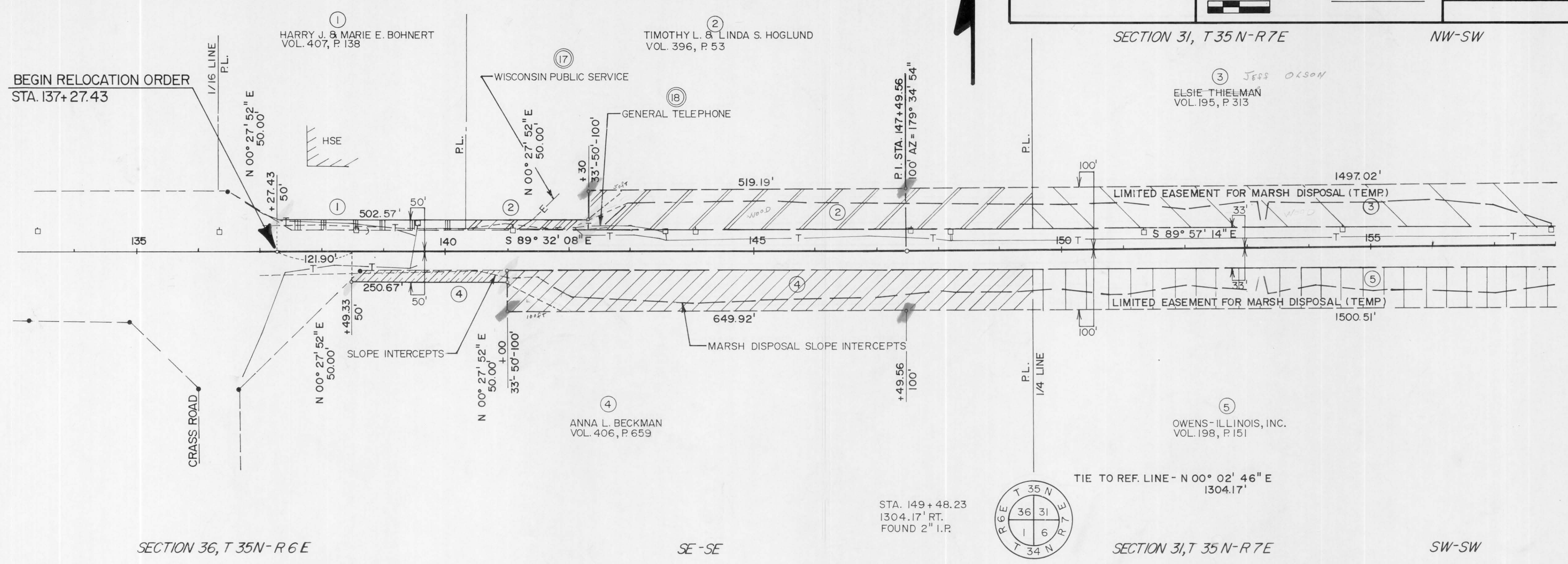
PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	TOTAL ACRES	NEW	R/W ACRES EXISTING	TOTAL	TOTAL ACRES REM.	L.H.E. ACRES TEMP.	L.H.E. ACRES PERM.
1	4.2	HARRY AND MARIE BOHNERT	FEE	3.2	0.12	0.4	0.72	2.48		
2	4.2	TIMOTHY AND LINDA HOGLUND	FEE	36.8	0.08	0.7	0.78	36.02	1.10	
3	4.2	ELSIE THEILMAN <i>Jess Olson</i>	FEE	40.0	0.00	1.0	1.00	39.00	2.00	
4	4.2	ANNA BECKMAN	FEE	37.7	0.11	2.4	2.51	35.19	1.33	
5	4.2	OWENS-ILLINOIS, INC.	FEE	40.0	0.00	1.0	1.00	39.00	2.03	
6	4.2	DALE AND MARIE STRASSMAN	FEE	2.8	0.19	0.6	0.25	2.55		
7	4.2	DEAN AND MARY PELKEY	FEE	13.3	0.38	0.6	0.98	12.32		
8	4.2 4.3	JAMES AND MARJORIE SAUER	FEE	40.0	0.49	1.0	1.49	38.51	0.64	
9	4.2	HELEN FRITZ	FEE	1.15	0.05	0.30	0.35	0.80		
10	4.2	HARMON AND DELORES DU PLAYEE	FEE	38.85	0.55	0.8	1.35	37.50		
11	4.2	SANDRA AUSTIN	FEE	6.1	0.10	0.15	0.25	5.85		
12	4.2	RICHARD AND SANDRA AUSTIN	FEE	13.9	0.12	0.35	0.47	13.43	0.41	
13	4.2 4.3	RICHARD AND JUDITH VANSTRYDONK	FEE	10.9	0.14	0.3	0.44	10.46	0.16	
14	4.3	PETER AND CORINNE SWAN	FEE	9.1	0.20	0.2	0.40	8.70		
15	4.3	GEORGE HARER	FEE	40.0	0.17	2.0	2.17	37.83	1.08	
16	4.3	HATTIE AND RICHARD DEBRUIN	FEE	40.0	0.13	1.0	1.13	38.87	1.08	
17	4.2 4.3	WISCONSIN PUBLIC SERVICE	RELEASE OF RIGHTS							
18	4.2 4.3	GENERAL TELEPHONE	RELEASE OF RIGHTS							

SECTION 36, T 35 N-R 6 E

TOWN OF BRADLEY

NE-SE

REVISION DATE	ROUTE C.T.H. "D"	COUNTY LINCOLN	DATE	R/W PROJECT NUMBER 9410-01-00	SHEET NUMBER 4.2
	SCALE, FT. 0 100'	GRID FACTOR		FEDERAL PROJECT NUMBER	



SECTION 36, T 35 N-R 6 E

SE-SE

SECTION 31, T 35 N-R 7 E

SW-SW

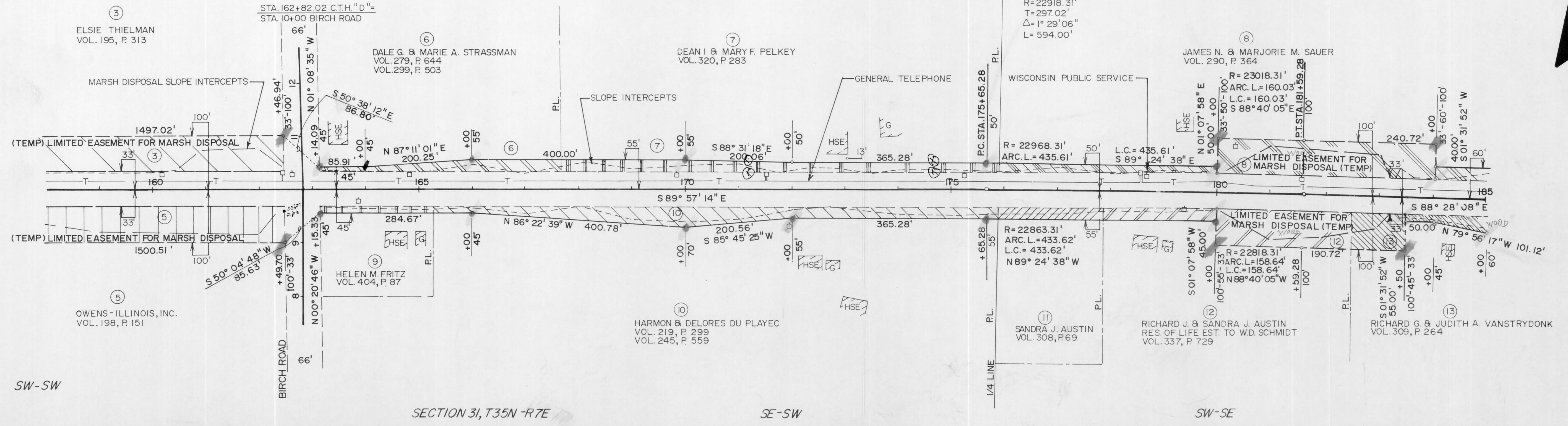
NW-SW

SECTION 31, T 35 N-R 7 E

TOWN OF KING

NE-SW

NW-SE



SW-SW

SECTION 31, T 35 N-R 7 E

SE-SW

SW-SE

NW-SE

SECTION 31, T 35 N-R 7 E

TOWN OF KING

NE-SE

REVISION DATE

ROUTE  
C.T.H. "D"

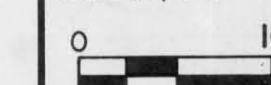
COUNTY  
LINCOLN

DATE

R/W PROJECT NUMBER  
9410-01-00

SHEET  
NUMBER

SCALE, FT.



GRID FACTOR

FEDERAL PROJECT NUMBER

4.3

(8)  
JAMES N. & MARJORIE M. SAUER  
VOL. 290, P. 364

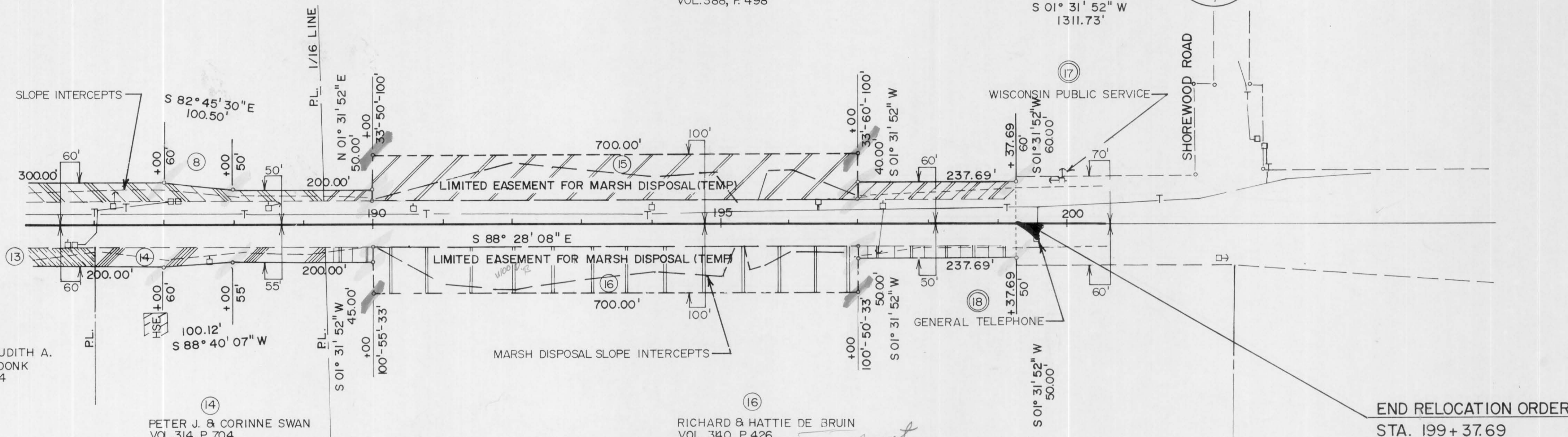
(15)  
GEORGE G. HARER  
VOL. 388, P. 498

STA. 201+86.41  
1311.73' LT.  
ALUM. MONUMENT  
TIE TO REF. LINE -  
S 01° 31' 52" W  
1311.73'

SECTION 32, T 35 N-R 7 E

NW-SW

N



(13)  
RICHARD G. & JUDITH A.  
VANSTRYDONK  
VOL. 309, P. 264

(14)  
PETER J. & CORINNE SWAN  
VOL. 314, P. 704  
20' ACCESS EASEMENT  
RICHARD D. FRYAR JR.  
VOL. 320, P. 654

(16)  
RICHARD & HATTIE DE BRUIN  
VOL. 340, P. 426

END RELOCATION ORDER  
STA. 199+37.69

SW-SE

SECTION 31, T 35 N-R 7 E

SE-SE

SW-SW

SECTION 32, T 35 N-R 7 E

*44 Douglas County  
Sand Ridge Rd  
60521  
312-986-0828  
1-800-548-9381*

MIKE HEMP

**Index of Sheets**

Sheet No. 1	Title
Sheet No.	Typical Sections and Details
Sheet No.	Estimate of Quantities
Sheet No.	Miscellaneous Quantities
Sheet No.	Right of Way Plat
Sheet No.	Plan and Profile
Sheet No.	Standard Detail Drawings
Sheet No.	Standard Sign Plates
Sheet No.	Structure Plans
Sheet No.	Computer Earthwork Data
Sheet No.	Cross Sections

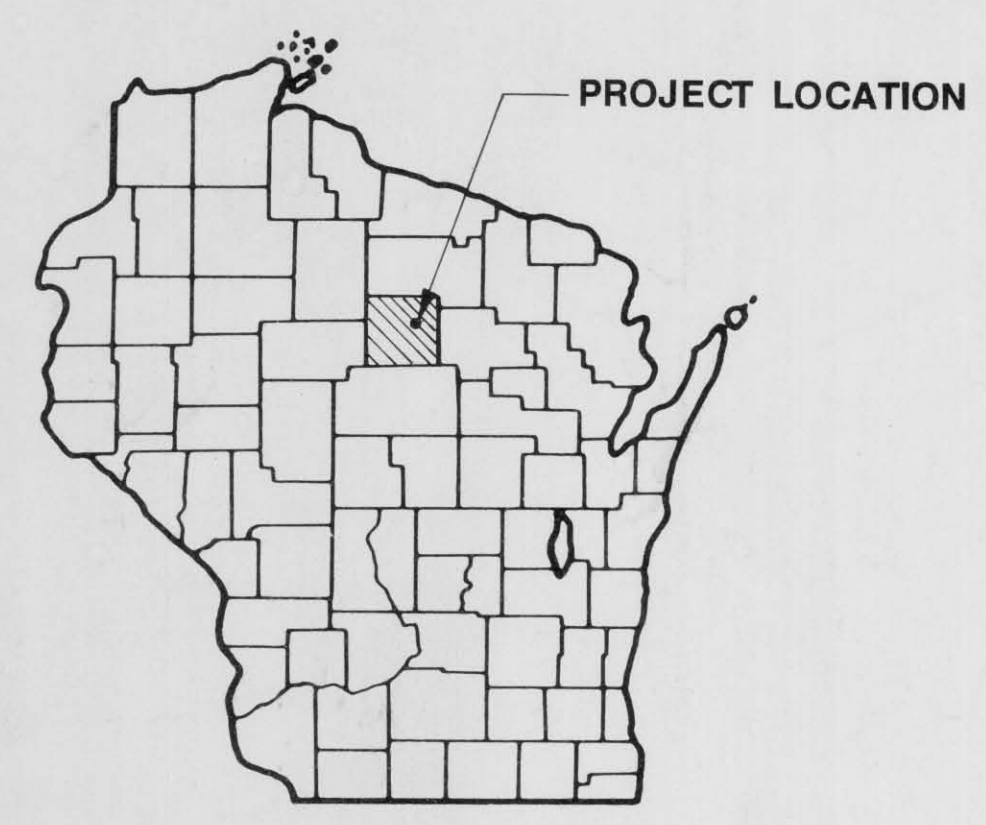
TOTAL SHEETS =

# STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

## PLAN OF PROPOSED IMPROVEMENT U.S.H. 51 - C.T.H. "H" CRASS ROAD - SHOREWOOD ROAD

### C.T.H. "D" LINCOLN COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
9410-01-00		



STATE PROJECT NUMBER  
**9410-01-00**

Scales

10 FT.  
PLAN &  
PROFILE

10 FT.  
CROSS  
SECTIONS

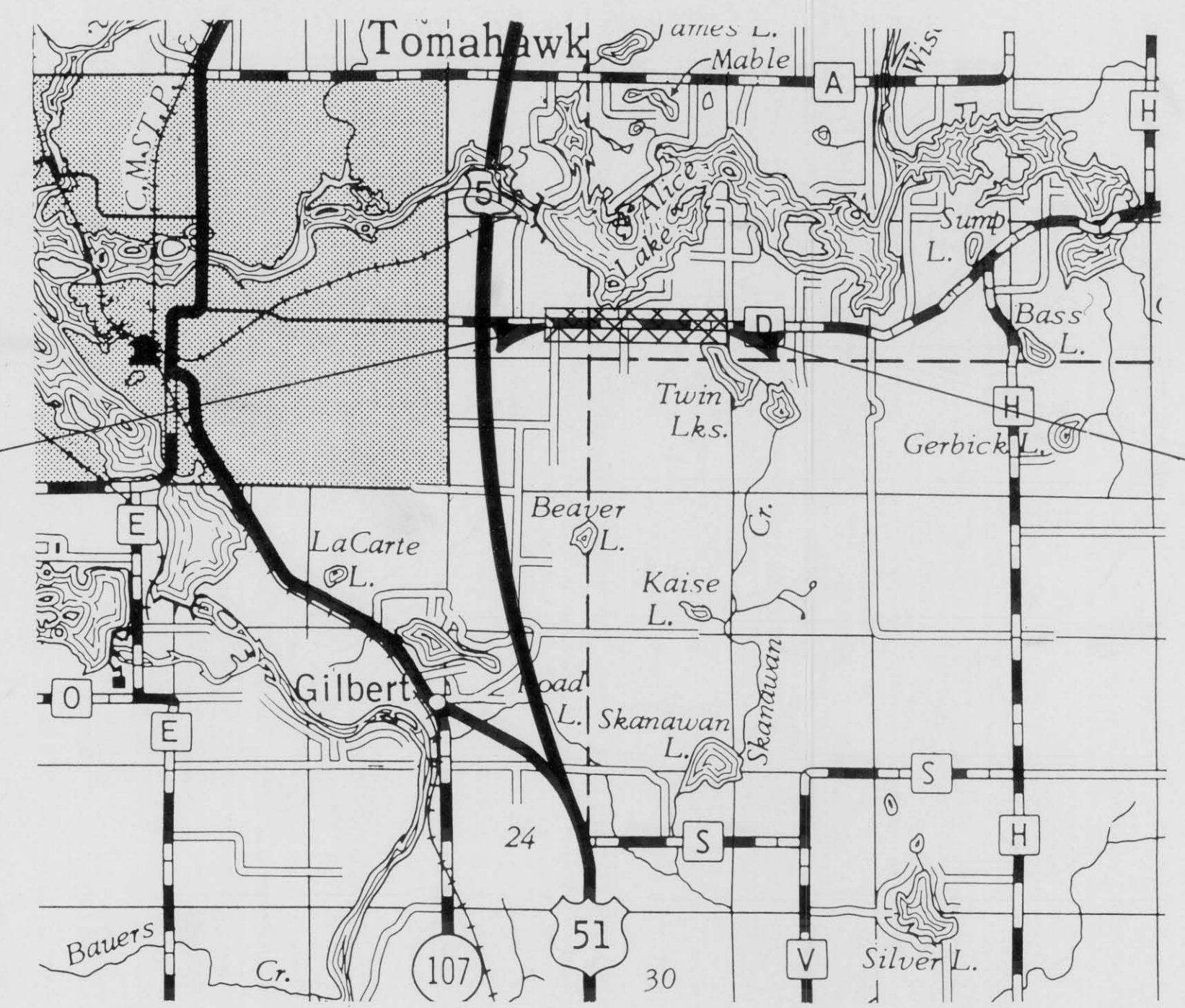
**Design Designation**

A.D.T.	1986	= 900
A.D.T.	2007	= 2000
D.H.V.		= 204
D.		= 60/40
T.		= II
V.		= 55 M.P.H.
DESIGN CLASS		= C 4

BEGIN PROJECT 9410-01-00  
STA. 137 +00  
N 59° 18' 0" ± 200'  
E 2,082,920 ± 200'

FINAL PLANS  
SUBMITTED TO WDOT DISTRICT # 7  
DATE 7/9/87

END PROJECT 9410-01-00  
STA. 200 +50  
N 59° 11' 5" ± 200'  
E 2,089,270 ± 200'



**Conventional Signs**

County Line	-----	Caution Symbol (Combustible fluids under pressure)	
Township or Range Line	-----	Railroads	-----
Section Line	-----	Fence	-----
Corporate or City Limits	-----	Culverts in Place	-----
Property line	-----	Culverts Required	-----
Lot Line	-----	Power Pole	-----
Existing Right of Way Line	-----	Telephone or Telegraph Pole	-----
New Right of Way Line	-----	Right of Way Markers	-----
Base or Survey Line	-----	Marsh	-----
Slope Intercept	-----	Wooded Area	-----
Existing Roadway or Private Entrance	-----	Grade Elevation	-----

Layout  
Scale 0 1 MI.

Total Net Length of Centerline = 1.203 Mi. RURAL

**COORDINATE NOTE**

ALL COORDINATES ARE REFERENCED TO THE WISCONSIN COORDINATE SYSTEM NORTH ZONE AND SCALED FROM U.S.G.S. TOPOGRAPHIC MAP TOMAHAWK, WI. 1982, 7.5 MINUTE WISCONSIN QUADRANGLE FOR IDENTIFICATION ONLY.

APPROVED FOR  
LINCOLN COUNTY

DATE 6/22/87 *Michael L. Hemp*  
LINCOLN COUNTY HWY. COMM.

ORIGINAL PLANS PREPARED  
BY  
SHORT ELLIOTT HENDRICKSON, INC.  
CONSULTING ENGINEERS  
CHIPPEWA FALLS WISCONSIN  
ST. PAUL MINNESOTA

DATE 7/2/87

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

Surveyor S.E.H. District Checker D.D.K.  
Designer S.E.H. C.O. Checker  
District Supervisor R.J.S. C.O. Coordinator

Approved: \_\_\_\_\_  
Date \_\_\_\_\_ District Transportation Director

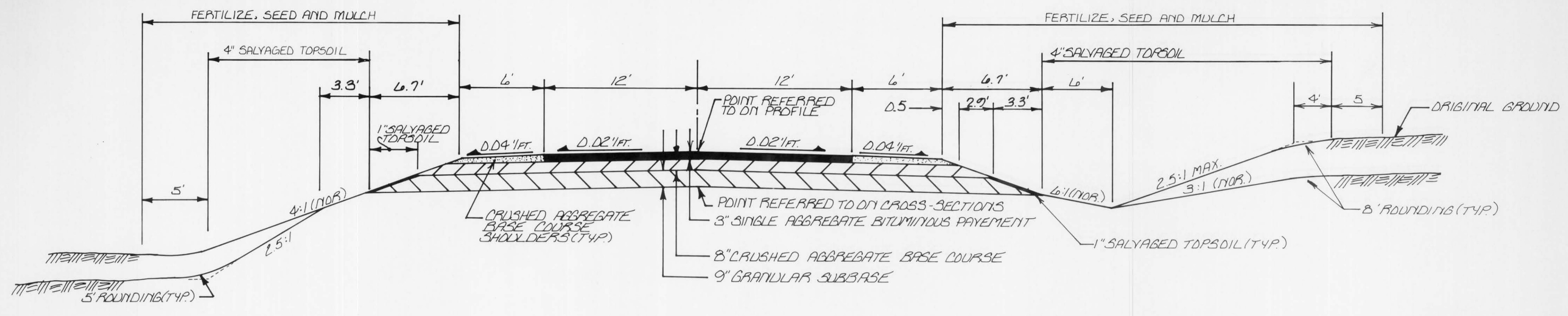
Approved: \_\_\_\_\_  
Date \_\_\_\_\_ Chief Design Engineer

Approved: \_\_\_\_\_  
Date \_\_\_\_\_ Director of Development

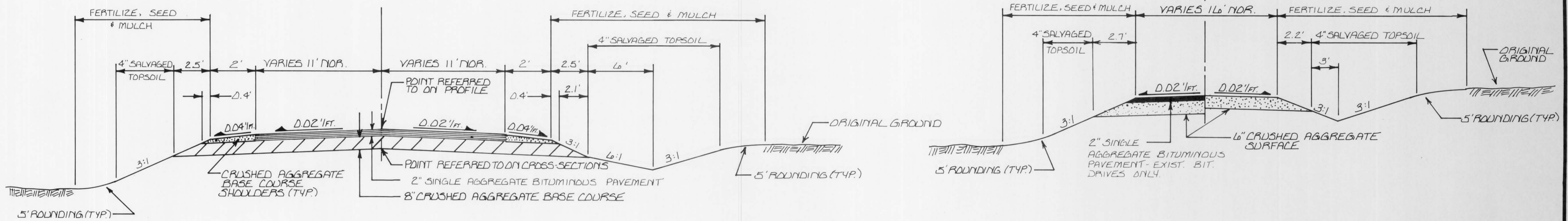
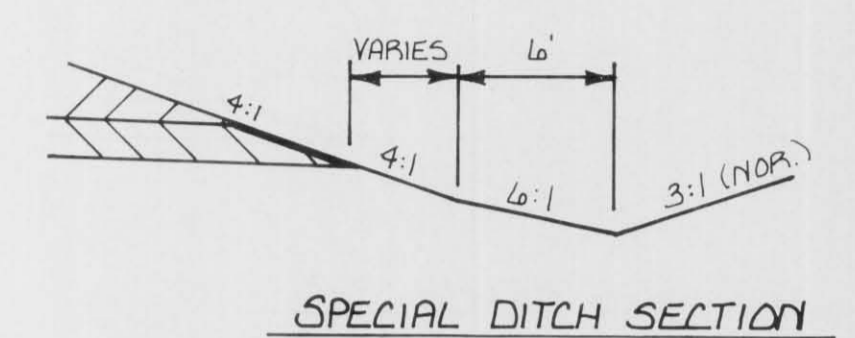
U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
REGION 5 WISCONSIN DIVISION

Approved: \_\_\_\_\_  
Date \_\_\_\_\_ Division Administrator

STATE PROJECT NUMBER	SHEET NO.
9410-01-00	
TYPICAL SECTIONS / ALIGNMENT TIES	

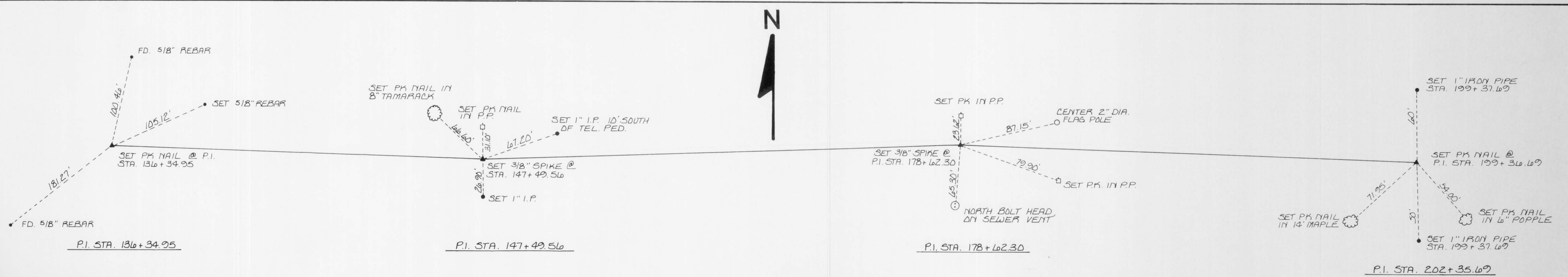


TYPICAL SECTION - C.T.H. "D"  
STA. 137+00 TO 200+50



TYPICAL SIDEROAD SECTION  
BIRCH ROAD 162+82.02 LT. & RT.

TYPICAL P.E. SECTION



ALIGNMENT TIES

**UTILITIES**

WISCONSIN PUBLIC SERVICE  
2711 TOMAHAWK AVE.  
TOMAHAWK, WISC.  
1-715-453-2177

GENERAL TELEPHONE CO.  
715 NO. 8737 HWY 51 NO.  
MILWAUKEE, WISC.  
ATTN: RALPH RUCINSKI

AMERICAN NATURAL RESOURCES  
P.O. 25  
STEVENS POINT, WISC. 54481

**GENERAL NOTES**

BEARINGS SHOWN ON THE PLANS ARE GRID BEARINGS.

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

NO TREES ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

SAWING EXISTING PAVEMENT ON THIS PROJECT IS CONSIDERED INCIDENTAL TO OTHER CONTRACT ITEMS.

EROSION BALES TO BE PLACED AS DIRECTED BY THE ENGINEER.

WHEN THE QUANTITY OF THE ITEMS OF SUBBASE OR BASE COURSE IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

THE EXACT LOCATION OF CULVERT PIPE, PRIVATE ENTRANCES, AND FIELD ENTRANCES SHALL BE DETERMINED BY THE ENGINEER.

MARSH EXCAVATION MATERIALS MAY BE USED AS SALVAGED TOPSOIL AND TO CONSTRUCT ROADWAY OUTSIDE OF 2:1 SIDESLOPES. SEE CROSS SECTIONS.

DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCLUSIVE OF THE ROADBED, ARE TO BE FERTILIZED AND SEEDING AS DIRECTED BY THE ENGINEER.

RIGHT OF ENTRY FOR P.E. CONSTRUCTION HAVE BEEN OBTAINED.

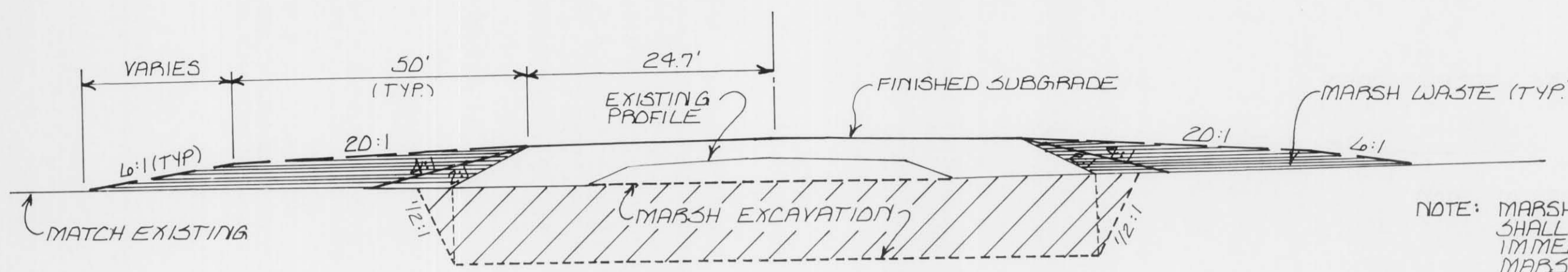
SEED MIXTURE No. 2 SHALL BE USED.

**STANDARD DETAIL DRAWINGS**

- 8F1-9 APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH
- 8E4-2 SOD OR MASONRY AND SOD DITCH CHECKS
- 8E9-2 SILT FENCE
- 8E8-1 TYPICAL INSTALLATION OF EROSION BALES
- 15C2-1 TRAFFIC CONTROL TO CLOSE HIGHWAY UNDER CONSTRUCTION
- 15C1-7 CONSTRUCTION BARRICADES AND STANDARD SIGNS
- 15C8-1 PAVEMENT MARKING

**STANDARD ABBREVIATIONS**

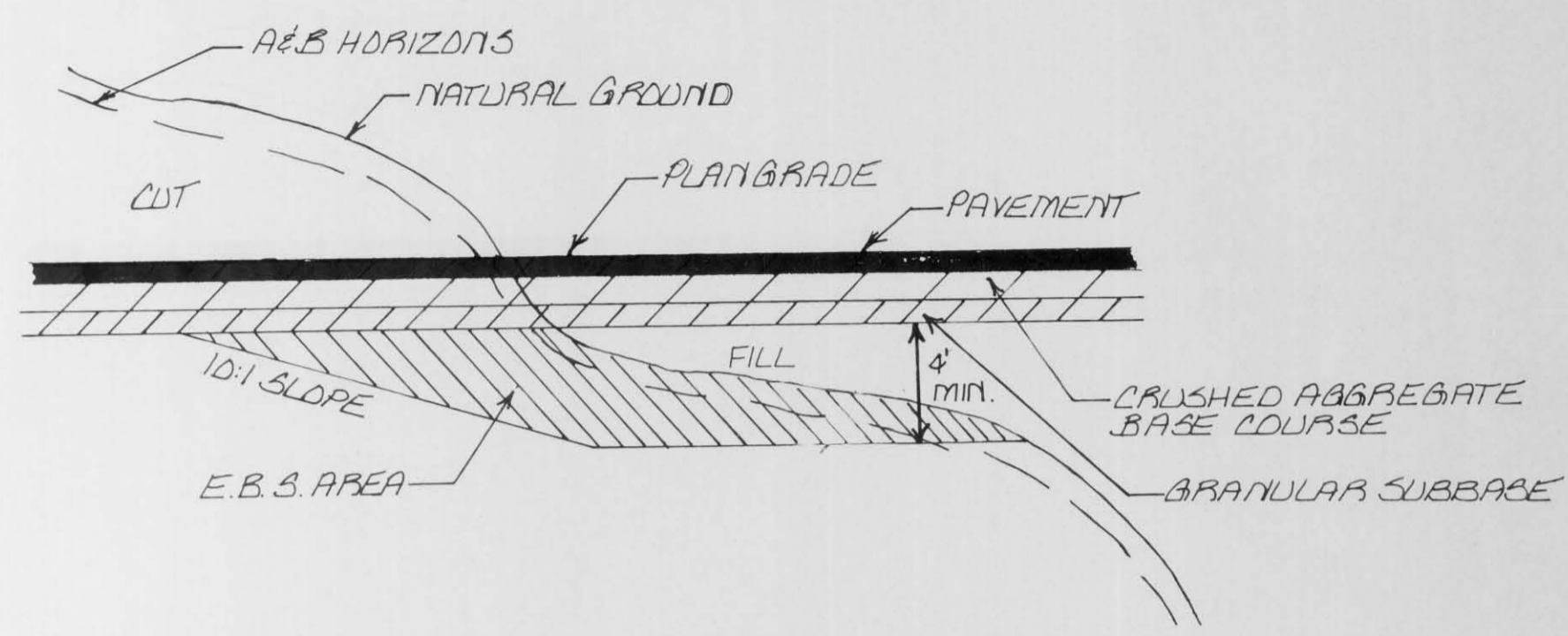
AC	ACRE	MI.	MILES
ABS.	ABBREVIATE	M.P.H.	MILES PER HOUR
AHD.	AHEAD	MAX.	MAXIMUM
@	AT	M	MID ORDINATE
AVE.	AVENUE	MIN.	MINIMUM
AVG.	AVERAGE	MON.	MONUMENT
ADT.	AVERAGE DAILY TRAFFIC	NOR.	NORMAL
AZ.	AZIMUTH	N	NORTH
BY.	BACK	No. 1#	NUMBER
B.	BASELINE	ABLIT.	ABLITERATE
B.M.	BENCH MARKS	PK.	PARKER KEYLON NAIL
BIT.	BITUMINOUS	PAVT.	PAVEMENT
C.	CENTERLINE	P.C.	POINT OF CURVATURE
Δ	CENTRAL ANGLE	P.I.	POINT OF INTERSECTION
CONC.	CONCRETE	P.O.L.	POINT ON LINE
CONST.	CONSTRUCT (LION)	P.B.C.	POINT OF REVERSE CURVE
CDR.	CORNER	L.B.S.	POUNDS
C.M.C.P.	CORRUGATED METAL CULVERT PIPE	PP.	POWER POLE
Co.	COUNTY	P.E.	PRIVATE ENTRANCE
CTH.	COUNTY TRUNK HIGHWAY	R.	RADIUS
CU.YD.	CUBIC YARD	RAF.	RAILROAD
C.P.	CULVERT PIPE	R.	RANGE
C&G.	CURB AND GUTTER	R.	REFERENCE LINE
D.	DEGREE OF CURVE	RT.	RIGHT
DHV.	DESIGN HOUR VOLUME	R.H.F.	RIGHT HAND FORWARD
DIA.	DIAMETER	R.C.C.P.	REINFORCED CONCRETE CULVERT PIPE
D.	DIRECTIONAL DISTRIBUTION	REBAR.	REINFORCEMENT BAR
EA.	EACH	REQD.	REQUIRED
E.	EAST	RD.	ROAD
ELEC.	ELECTRIC (AL)	SEC.	SECTION
EL.	ELEVATION	SHLDR.	SHOULDER
EBS.	EXCAVATION BELOW SUBGRADE	S.	SOUTH
EXIST.	EXISTING	SQ.YD.	SQUARE YARD
FT.	FOOT/FEET	S.D.D.	STANDARD DETAIL DRAWING
F.E.	FIELD ENTRANCE	ST.	STREET
FD.	FOUND	S.E.	SUPERELEVATION
GAB.	GABAGE	T.	TANGENT
GRAV.	GRAVEL	TEL.PED.	TELEPHONE PEDESTAL
HSE.	HOUSE	T/TN.	TOWN (SHIP)
HWT.	HUNDREDWEIGHT	TYP.	TYPICAL
INTERS.	INTERSECTION	UNCL.	UNCLASSIFIED
INV.	INVERT	UG.	UNDERGROUND CABLE
I.P.	IRON PIPE	VAR.	VARIABLE
JT.	JOINT	V.	VELOCITY
JCT.	JUNCTION	V.C.	VERTICAL CURVE
LT.	LEFT	W.	WEST
L.H.F.	LEFT HAND FORWARD	WM.	WATERMAIN
L.	LENGTH OF CURVE	S.S.	SANITARY SEWER
L.H.E.	LIMITED HIGHWAY EASEMENT	ST.S.	STORM SEWER
LN.FT.	LINEAR FEET	S.S.D.	STOPPING SIGHT DISTANCE



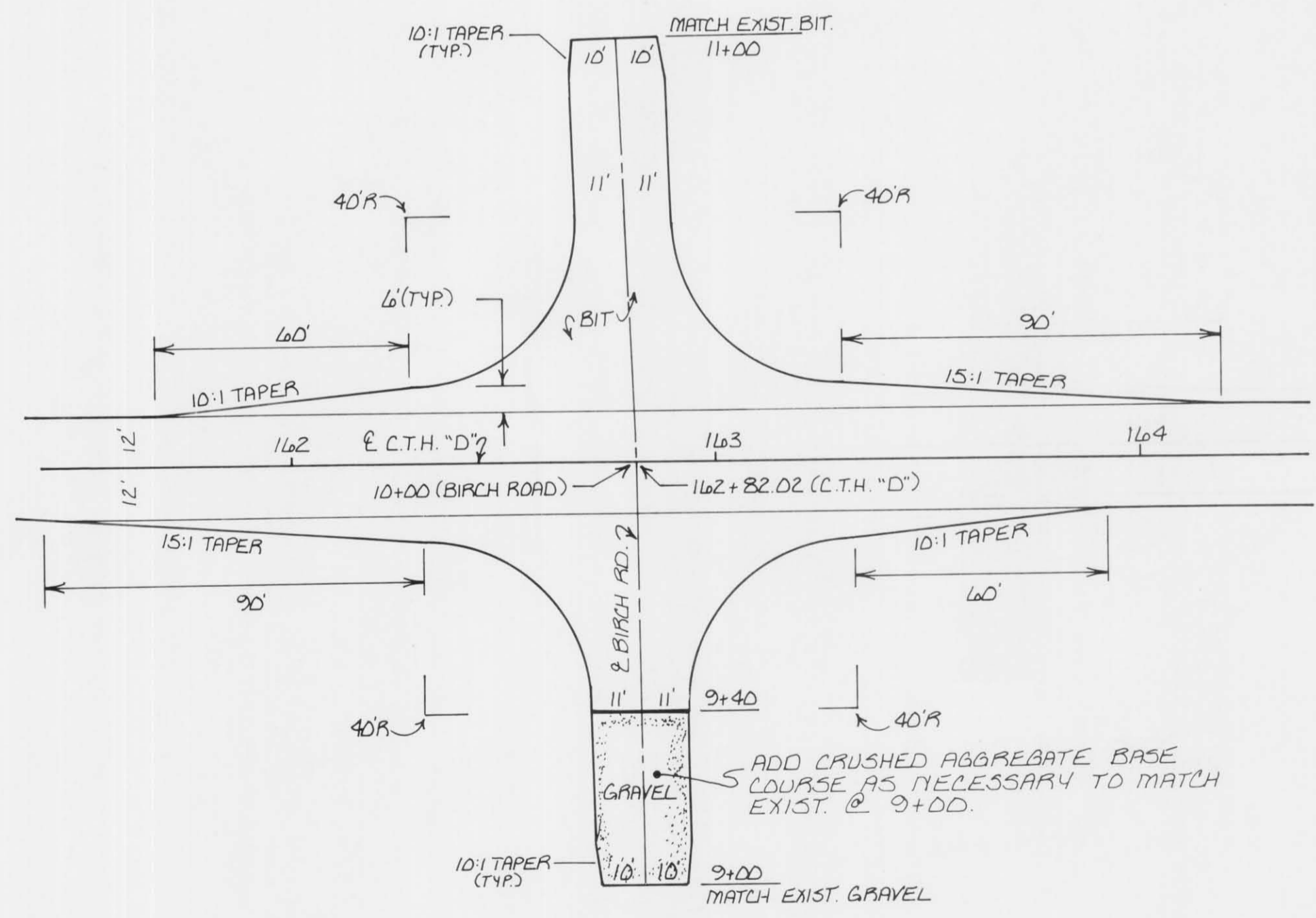
NOTE: MARSH SUBFILL OPERATIONS SHALL BE CARRIED ON IMMEDIATELY BEHIND MARSH EXCAVATION OPERATIONS

**TYPICAL MARSH EXCAVATION & DISPOSAL SECTION**

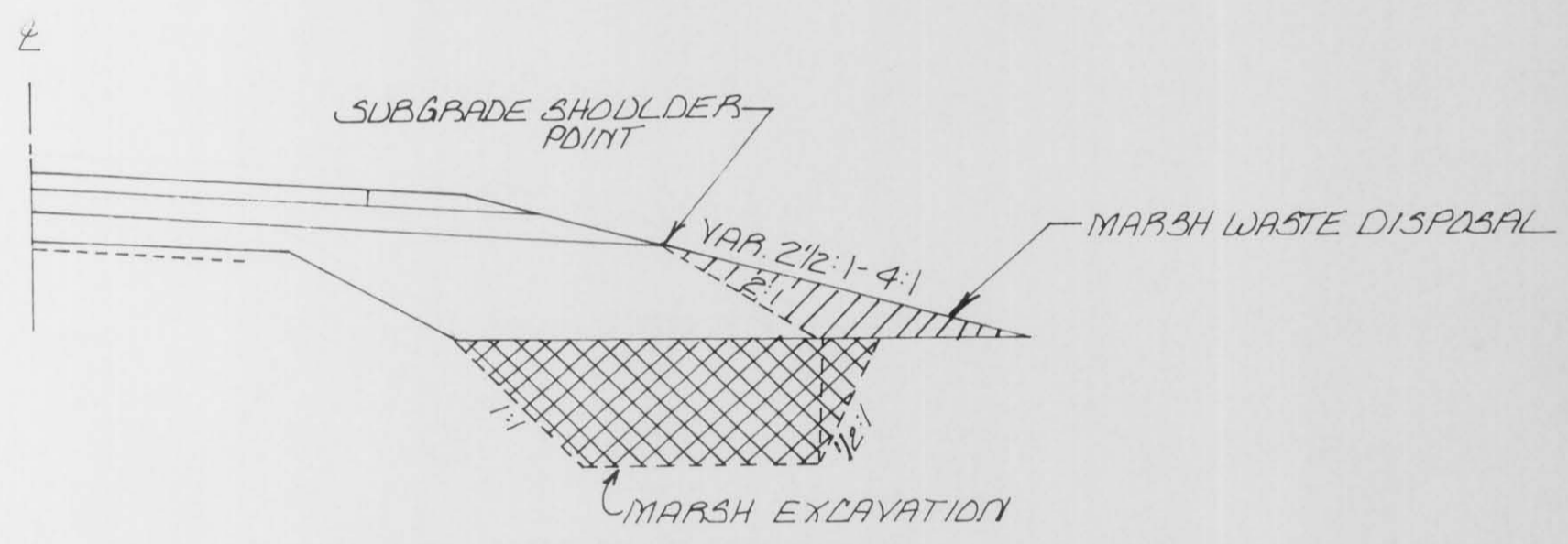
STA. 140+25 TO STA. 146+50  
 STA. 173+00 TO STA. 177+50  
 STA. 180+50 TO STA. 183+50  
 STA. 190+50 TO STA. 196+50



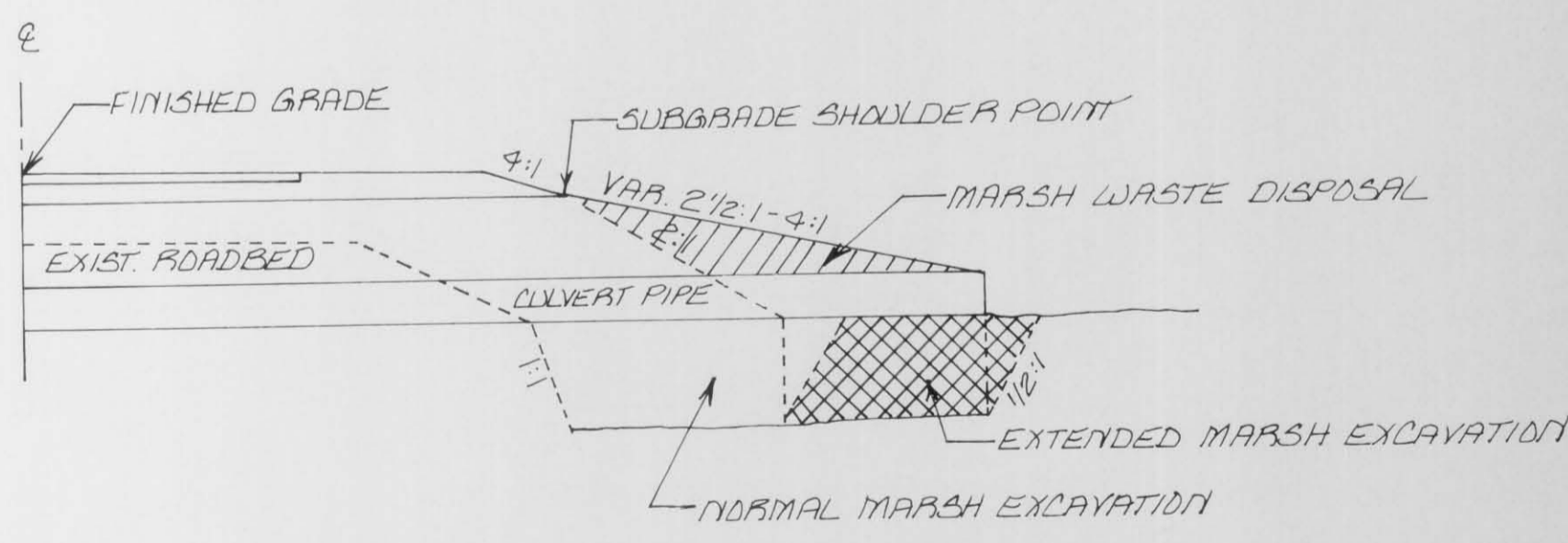
**PROFILE VIEW  
 DETAIL FOR EXCAVATION BELOW SUBGRADE  
 (IN TRANSITION AREAS AS DIRECTED BY ENGINEER)**



**MODIFIED TYPE "C" INTERSECTION DETAIL  
 BIRCH ROAD**



**TYPICAL MARSH EXCAVATION  
 PARTIAL SECTION EXCAVATION**



**DETAIL SHOWING EXTENDED MARSH EXCAVATION  
 AT CULVERT PIPE ENDS**