Kadrmas
Lee &
Jackson
Consulting Engineers
and Surveyors

GENE JACKSON, P.E. - L.S.
NILES HUSHKA, P.E.
BARRY SCHUCHARD, P.E.

DUANE WAMRE, L.S.
GEORGE MAY, L.S.

Roger O. Lee, P.E. - L.S. (Retired)

January 13, 1998

Mr. Tom Little
Mandan City Engineer
205 2nd Avenue NW
Mandan, ND 58554

Re: DCN, LLC
Bismarck - St. Anthony Fiber Route

Dear Mr. Little:

Enclosed, find "As-Built" Record Drawings for the fiber optic cables placed by DCN, LLC this fall. These drawings are for your records. Please use them when planning future utility improvements and notify Kadrmas, Lee & Jackson when any locating of these facilities is requested.

The cable placed from the handhole at Memorial Bridge to the west side of 46th Avenue SE and the 19th Street SW intersection is in 2" orange PVC conduit at 48" deep unless otherwise indicated.

The final cleanup will be completed this spring. If you have any questions or concerns regarding this matter, please feel free to contact me at your convenience.

Respectfully,

Eric Wald
Project Manager

ka

File: 18103-3

enc.

P.O. BOX 1157 • BISMARCK, ND 58502-1157 • (701) 255-0076 • FAX (701) 255-0943
A Professional Corporation

DCN, LLC

BISMARCK TO ST. ANTHONY FIBER ROUTE

BURLEIGH & MORTON COUNTIES, NORTH DAKOTA

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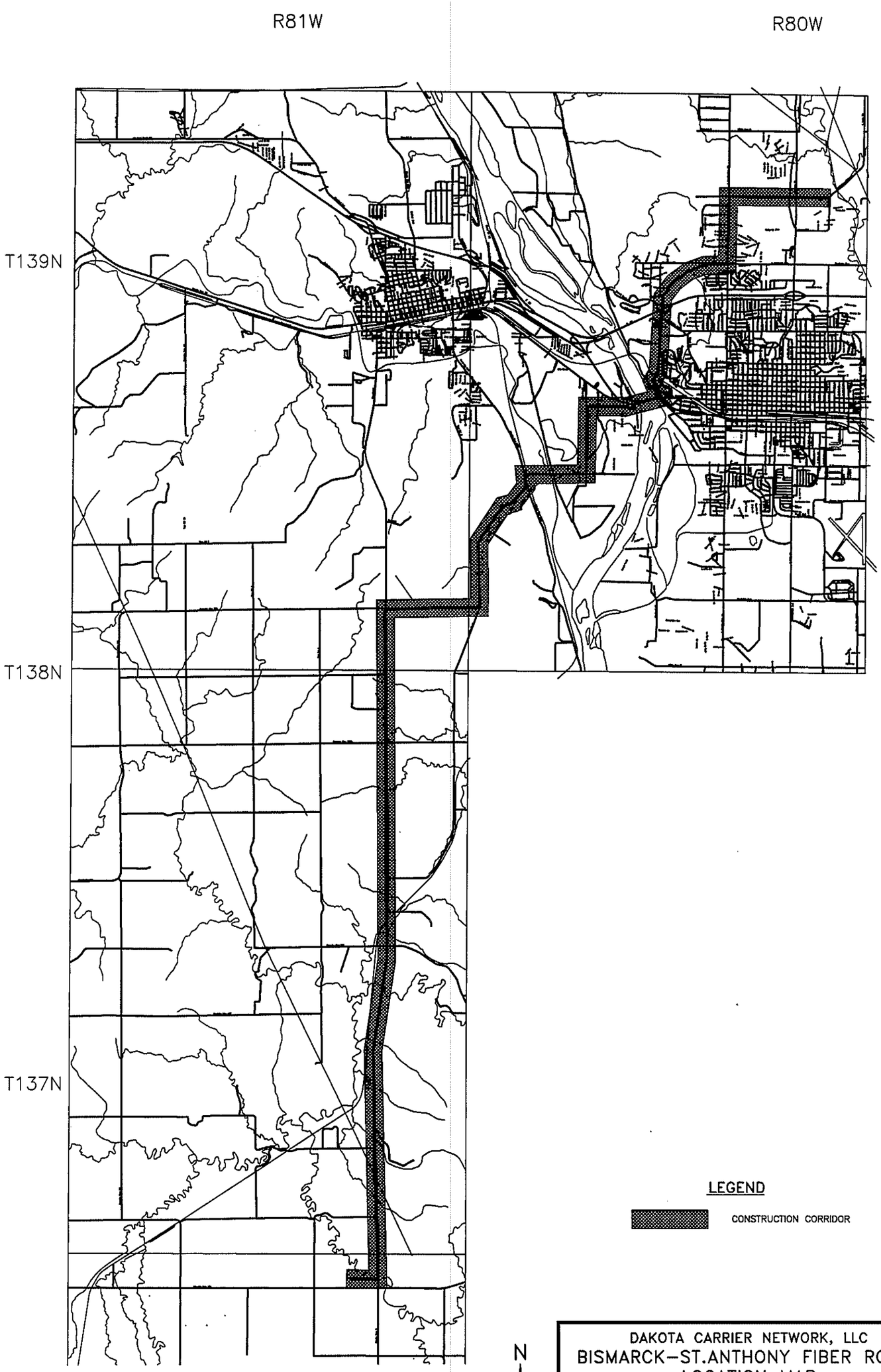
RECORD DRAWING

PREPARED FOR
DAKOTA CARRIER NETWORK, LLC
P.O. BOX 2484
FARGO, NORTH DAKOTA
(701)271–8225

PREPARED BY
KADRMAS, LEE & JACKSON, P.C.
3237 EAST BROADWAY
P.O. BOX 1157
BISMARCK, NORTH DAKOTA 58502
PHONE (701)255–0076

Kadrmas Lee & Jackson
Consulting Engineers and Surveyors

20



DAKOTA CARRIER NETWORK, LLC
BISMARCK–ST.ANTHONY FIBER ROUTE
LOCATION MAP

Kadrmas Lee & Jackson
Consulting Engineers and Surveyors

CHK'D BY	DRAWN BY W.ZANDER
APP'D BY	SCALE 1" = 1.5 MI.
DATE 09/97	REVISION
COMP. NO. LOC_MAP	SHEET NO. 1 of 1
PROJ. NO. 18103	

LANDBASE SYMBOLS

- BRIDGE
- APPROACH
- CATTLE GUARD
- (NAME OR SURFACE TYPE) ROAD OR HIGHWAY
- RAILROAD
- FENCE
- SIGN POSTS
- CONTROL POINT/GOV BM
- CONCRETE ROW MARKER
- POST
- CULVERT OR DRAINAGE PIPE
- PROPANE/SEPTIC TANK
- SATELLITE DISH
- TREE OR HEDGE ROW
- DECIDUOUS TREE
- CONIFEROUS TREE
- ENVIRONMENTALLY SENSITIVE AREA
- ROAD CONSTRUCTION CUTSLOPES OR FILLSLOPES

LANDBASE SYMBOLS

- FUTURE ROW/ROAD/FENCE/ETC.
- GENERAL TOPOG BREAKS
- WATERLINE
- SURVEY CONTROL LINE
- SECTION/CENTER LINE
- RIGHT OF WAY LINE
- POWER POLE W/OVERHEAD LINE
- HIGH VOLTAGE TRANSMISSION LINE
- R/W — RIGHT-OF-WAY DESIGNATION
- MM 45 — MILE MARKER DESIGNATION
- BIA # — BUREAU OF INDIAN AFFAIRS ROAD
- HW 65 — COUNTY HIGHWAY OR ROAD
- ND # — STATE HIGHWAY
- US 10 — US HIGHWAY
- I-94 — INTERSTATE HIGHWAY
- SECTION CORNER
- 25 26 / 24 23 — SECTION CORNER DESIGNATION

MUNICIPAL LANDBASE SYMBOLS

- TELEPHONE MANHOLE
- LIGHT POLE
- FIRE HYDRANT
- GATE VALVE
- CURB STOP
- SEWER MANHOLE
- UNDERGROUND WATER/GAS TEE
- CATCH BASIN
- MAILBOX
- ST — STORM SEWER
- JUNCTION BOX
- CURB AND GUTTER

MISCELLANEOUS UNDERGROUND FACILITIES

G	GAS LINE	TV	CABLE TV LINE
W	WATER LINE	O	OIL LINE
S	SEWER LINE	P	POWER LINE

STANDARD ABBREVIATIONS

CMP	CORRUGATED METAL PIPE	HH	HANDHOLE
CSP	CORRUGATED STEEL PIPE	MH	MANHOLE
RCP	REINFORCED CONCRETE PIPE	CONC	CONCRETE
C.O.	CENTRAL OFFICE	UNK	UNKNOWN
B-W	BUILDING TO WALL OF MANHOLE	HOA	HEIGHT OF ATTACHMENT
C-C	CENTER TO CENTER DISTANCE OF MANHOLES	10M	10M EXTRA HIGH STRENGTH GALVANIZED STEEL STRAND
W-W	MANHOLE WALL TO MANHOLE WALL DISTANCE	W.S.	WARNING SIGN

TELECOMMUNICATIONS LANDBASE LEGEND

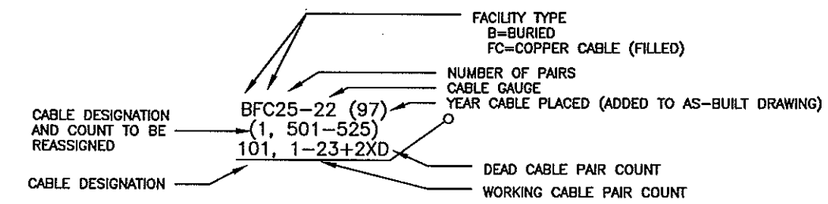
Kadrmas Lee & Jackson PC
Consulting Engineers & Surveyors

CHK'D BY	DRAWN BY CAS/KJR
APP'D BY –	SCALE NTS
DATE 3/96	REVISION –
COMP. NO. 18103	DRAWING NO. LEG_LAND
PROJ. NO. ND533	1 OF 1

BURIED PLANT SYMBOLS

COPPER Proposed	COPPER Existing	DESCRIPTION	FIBER OPTIC Proposed	FIBER OPTIC Existing
▼	▽	PEDESTAL OF HOUSING	▼	▽
●	○	POLE	●	○
▬	⬭	SPLICE	◆	◇
⬢	⬡	WARNING SIGN	⬢	⬡
———	—T—	CABLE OR WIRE	———	—FO—
►◄	—T►◄T—	FACILITY CHANGE	►◄	—FO►◄FO—
//	—T//T—	CABLE TERMINATION	//	—FO//FO—
RPTR ⋈	RPTR ⋈	REPEATER		

BUREID PLANT LABELS



(BFC25-22+ BFO8)D
301, 1-25
FO, 9-16
— INDICATES NEW DUAL CABLE WITH CABLE DESIGNATIONS AND FULL PAIR COUNTS

BFC6-22
101, 13-16+2XD
— INDICATES NEW CABLE WITH CABLE DESIGNATION AND PAIR COUNT OF 4 WORKING AND 2 DEAD PAIRS

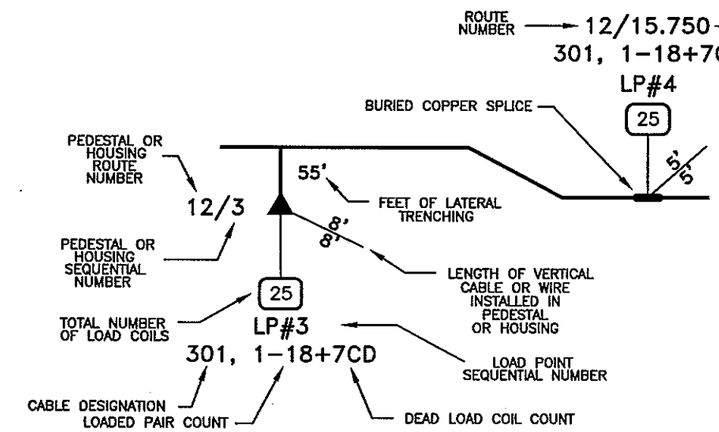
BFC12-22
(525-536)
201, 1-10+2XD
— INDICATES REASSIGNMENT OF EXISTING COUNT TO NEW CABLE DESIGNATION AND PAIR COUNT OF 10 WORKING AND 2 DEAD PAIRS

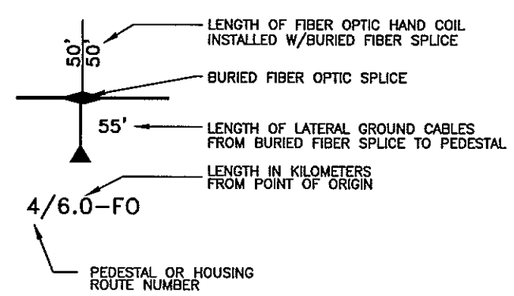
BFO16
FO, 1-16
— INDICATES NEW FIBER OPTIC CABLE WITH CABLE DESIGNATION AND FULL PAIR COUNT

(XXBW1-19
321)
— INDICATES RETIREMENT OF EXISTING FACILITY AND TERMINATION OF ASSIGNED COUNT

GENERAL OUTSIDE PLANT SYMBOLS AND LABELS

—CHANNEL CAPACITY —CHANNELS EQUIPPED	EXISTING REMOTE TERMINAL ELECTRONICS		EXISTING CROSS CONNECT CABINET
—CHANNEL CAPACITY —CHANNELS EQUIPPED	PROPOSED REMOTE TERMINAL ELECTRONICS		PROPOSED CROSS CONNECT CABINET
12	LOAD POINT LOCATION WITH TOTAL COIL NUMBER INDICATED	3	SUBSCRIBER ASSIGNED PAIR NUMBER
4	CABLE ROUTE DESIGNATION	3	SUBSCRIBER ASSIGNED PAIR NUMBER – RECORD CHANGE
101, 2-3+5L	LOADED SPARE PAIRS	15 / 3 / 2665	—DIGITAL SYSTEM # —DIGITAL CHANNEL # —PAIR #
101, 24-25NL	NONLOADED SPARE PAIRS	15 / 3 / 2665	—DIGITAL SYSTEM # – RECORD CHANGE —DIGITAL CHANNEL # – RECORD CHANGE —PAIR # – RECORD CHANGE
0 0	PIPE OR NONPIPE CROSSING UNDER ROAD OR HIGHWAY	15 / 3 / 2665	—ANALOG SYSTEM # —ANALOG CHANNEL # —PAIR #
	PAVEMENT CUTTING	15 / 3 / 2665	—ANALOG SYSTEM # – RECORD CHANGE —ANALOG CHANNEL # – RECORD CHANGE —PAIR # – RECORD CHANGE
3 / 3	—WORK LOCATION —SPLICING/WORK SEQUENCE LOCATION		ESTABLISHMENT TAKING SERVICE
			ESTABLISHMENT NOT TAKING SERVICE





BURIED PLANT STAKING SHEET SYMBOL LEGEND

Kadrmas Lee & Jackson PC
Consulting Engineers & Surveyors

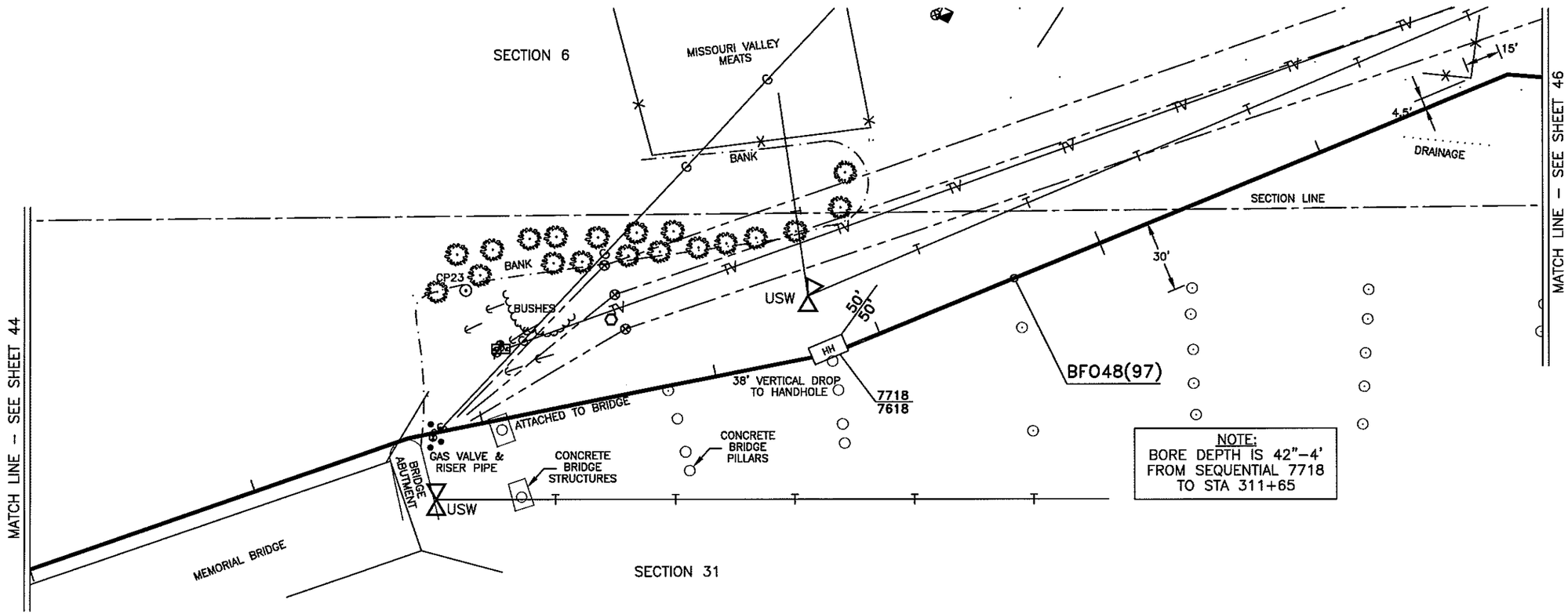
CHK'D BY	DRAWN BY CDA
APP'D BY –	SCALE 1 TO 1
DATE 02/14/97	REVISION –
COMP. NO. 18103	DRAWING NO. LEG_TELB
PROJ. NO. ND533	1 OF 1

Kadrmas Lee & Jackson
Consulting Engineers and Surveyors

STAKING SHEET & PLANT RECORD

COMPANY: DCN, LLC

EASEMENT NO.	DRAWN BY NMH/TDK DATE 09/08/97	COMPANY PROJECT NO.	SECTION 31 & 6	MAP NO.	
	CHECKED BY DATE	EXCHANGE	TOWNSHIP 139N & 138N	SCALE	1"=50'
SECURED BY	COMPUTER NO. 18103(MNDN_1)	RELEASE DATE	RANGE 80W	ROUTE NO.	BSMR-STAT
DATE	FIELD BOOK NO. DC1	CONSTRUCTED 12/01/97	COUNTY MORTON	SHEET NO.	45 OF 106



NOTE:
BORE DEPTH IS 42"-4'
FROM SEQUENTIAL 7718
TO STA 311+65

RECORD DRAWING

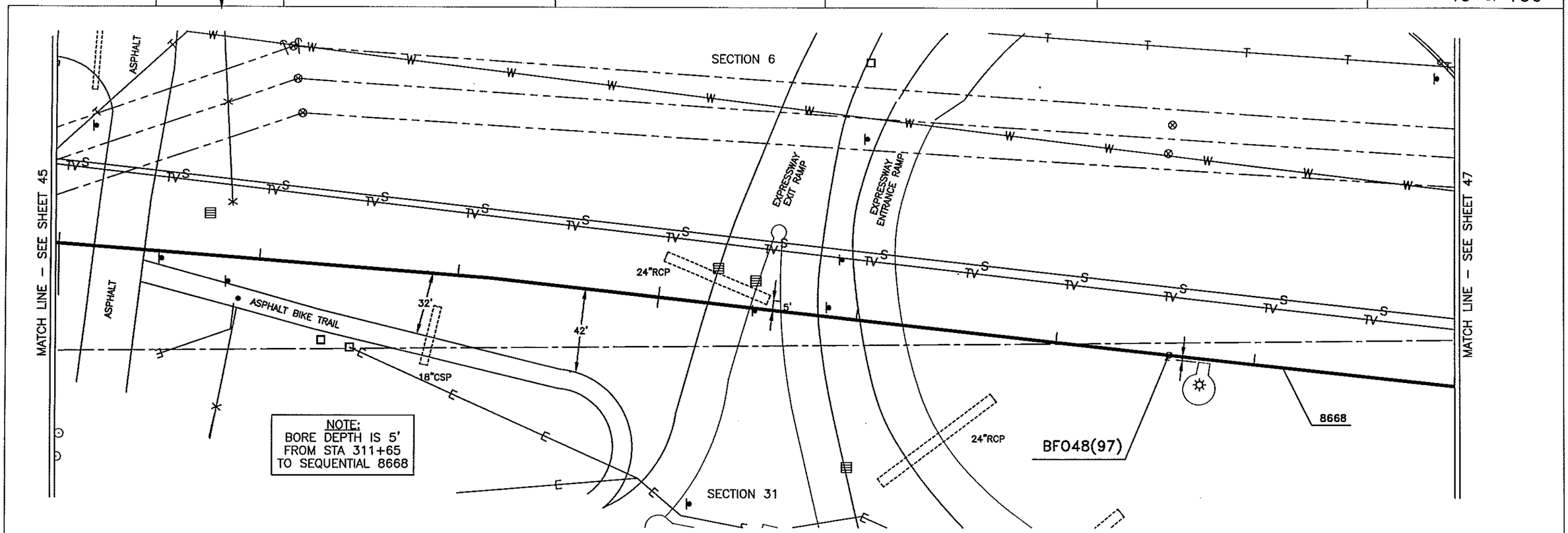
POLE OR PED. NO.					UH-2	WBM66-(1.25)																SUB NO.
STA 305+00						-																
308+50 HH					1	1.964																
STA 312+00						-																
TOTALS					1	1.964																TOTALS

Kadrmas Lee & Jackson
Consulting Engineers and Surveyors

STAKING SHEET & PLANT RECORD

COMPANY: DCN, LLC

EASEMENT NO.	DRAWN BY NMH/TDK DATE 09/08/97	COMPANY PROJECT NO.	SECTION 6 & 31	MAP NO.	
	CHECKED BY DATE	EXCHANGE	TOWNSHIP 138N &139N	SCALE	1"=50'
SECURED BY	COMPUTER NO. 18103(MNDN_1)	RELEASE DATE	RANGE 80W	ROUTE NO.	BSMR-STAT
DATE	FIELD BOOK NO. DC1	CONSTRUCTED 12/01/97	COUNTY MORTON	SHEET NO.	46 OF 106



RECORD DRAWING

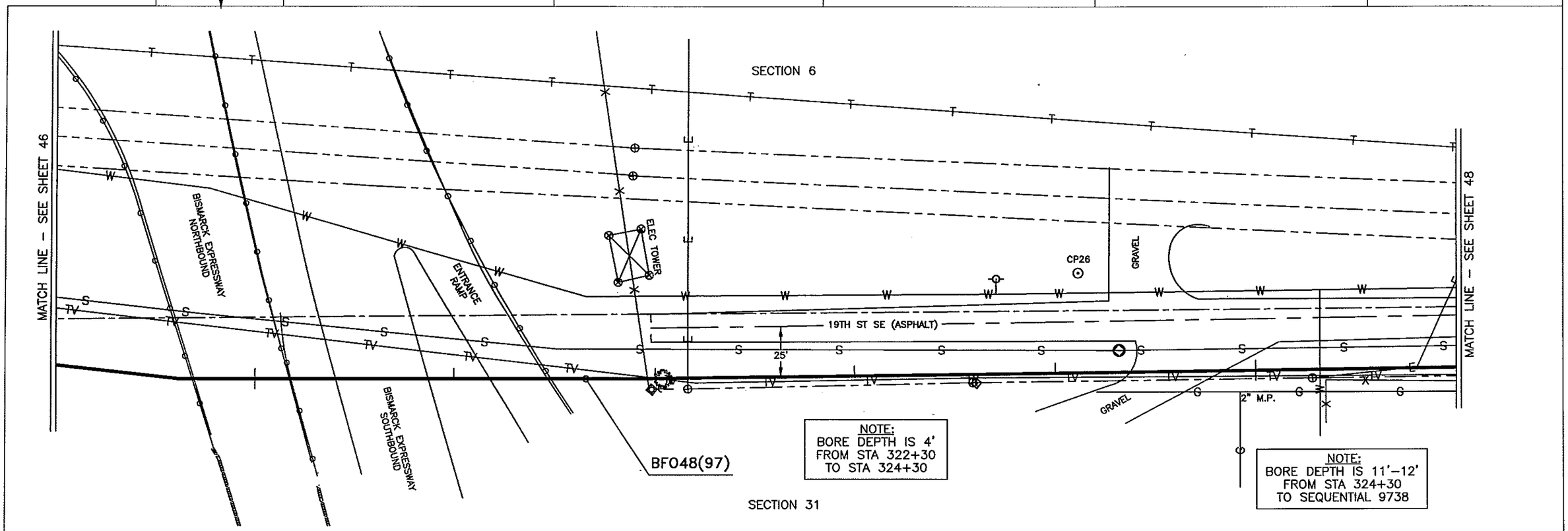
POLE OR PED. NO.			BF048																			SUB NO.
STA 312+00			–																			
STA 319+00			–																			
TOTALS																						TOTALS

Kadrmas Lee & Jackson
Consulting Engineers and Surveyors

STAKING SHEET & PLANT RECORD

COMPANY: *DCN, LLC*

EASEMENT NO.	DRAWN BY NMH/TDK	DATE 09/08/97	COMPANY PROJECT NO.	SECTION 31	MAP NO.
	CHECKED BY	DATE	EXCHANGE	TOWNSHIP 139N	SCALE 1"=50'
SECURED BY	COMPUTER NO. 18103(MNDN_1)		RELEASE DATE	RANGE 80W	ROUTE NO. BSMR-STAT
DATE	FIELD BOOK NO. DC1		CONSTRUCTED 12/01/97	COUNTY MORTON	SHEET NO. 47 OF 106



RECORD DRAWING

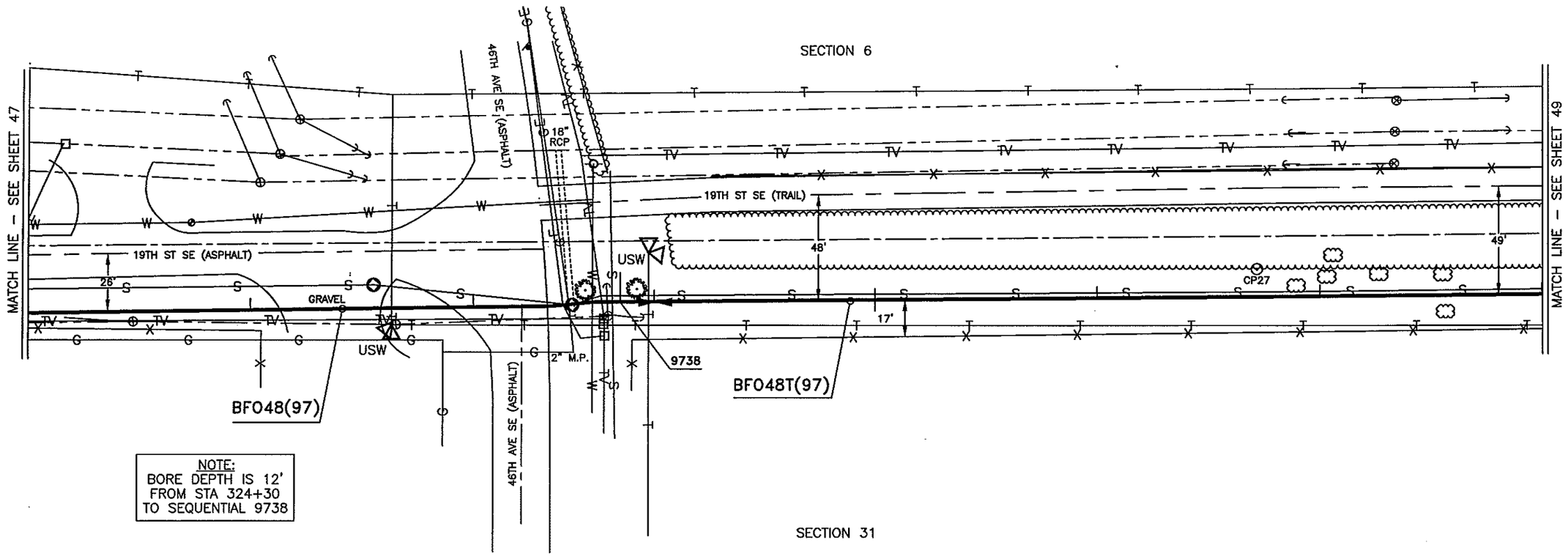
POLE OR PED. NO.			BF048																		SUB NO.
STA 319+00			–																		
STA 326+00			–																		
TOTALS																					TOTALS

Kadrmas Lee & Jackson
Consulting Engineers and Surveyors

STAKING SHEET & PLANT RECORD

COMPANY: *DCN, LLC*

EASEMENT NO.	DRAWN BY NMH/TDK DATE 09/08/97	COMPANY PROJECT NO.	SECTION 31	MAP NO.	
	CHECKED BY DATE	EXCHANGE	TOWNSHIP 139N	SCALE	1"=50'
SECURED BY	COMPUTER NO. 18103(MNDN_1)	RELEASE DATE	RANGE 80W	ROUTE NO.	BSMR-STAT
DATE	FIELD BOOK NO. DC1	CONSTRUCTED 12/01/97	COUNTY MORTON	SHEET NO.	48 OF 106



NOTE:
BORE DEPTH IS 12' FROM STA 324+30 TO SEQUENTIAL 9738

RECORD DRAWING

POLE OR PED. NO.			BF048	BF048T																	SUB NO.
STA 326+00			–																		
329+00			2.020	–																	
STA 333+00				–																	
TOTALS			2.020																		TOTALS

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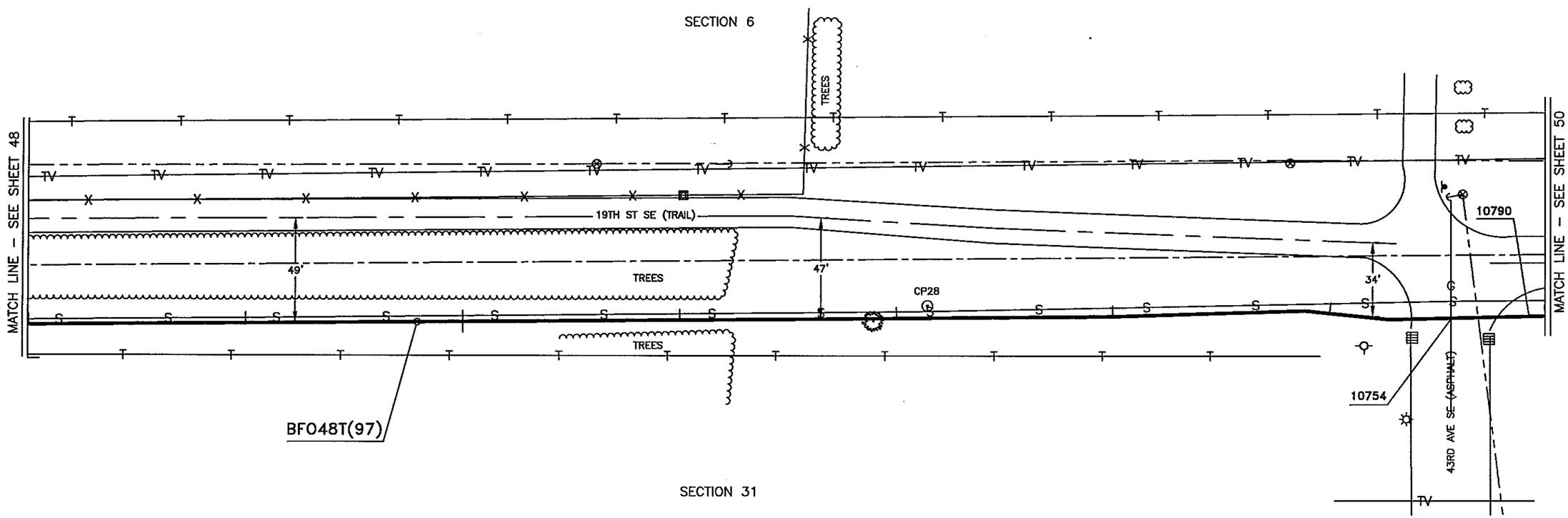
Consulting Engineers and Surveyors

STAKING SHEET & PLANT RECORD

COMPANY: *DCN, LLC*

EASEMENT NO.	DRAWN BY NMH/TDK DATE 09/08/97	COMPANY PROJECT NO.	SECTION 31	MAP NO.	
	CHECKED BY DATE	EXCHANGE	TOWNSHIP 139N	SCALE	1"=50'
SECURED BY	COMPUTER NO. 18103(MNDN_1)	RELEASE DATE	RANGE 80W	ROUTE NO.	BSMR-STAT
DATE	FIELD BOOK NO. DC1	CONSTRUCTED 12/01/97	COUNTY MORTON	SHEET NO.	49 OF 106



RECORD DRAWING

POLE OR PED. NO.			BF048T																			SUB NO.
STA 333+00			–																			
STA 340+00			–																			
TOTALS																						TOTALS

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STAKING SHEET & PLANT RECORD

COMPANY: *DCN, LLC*

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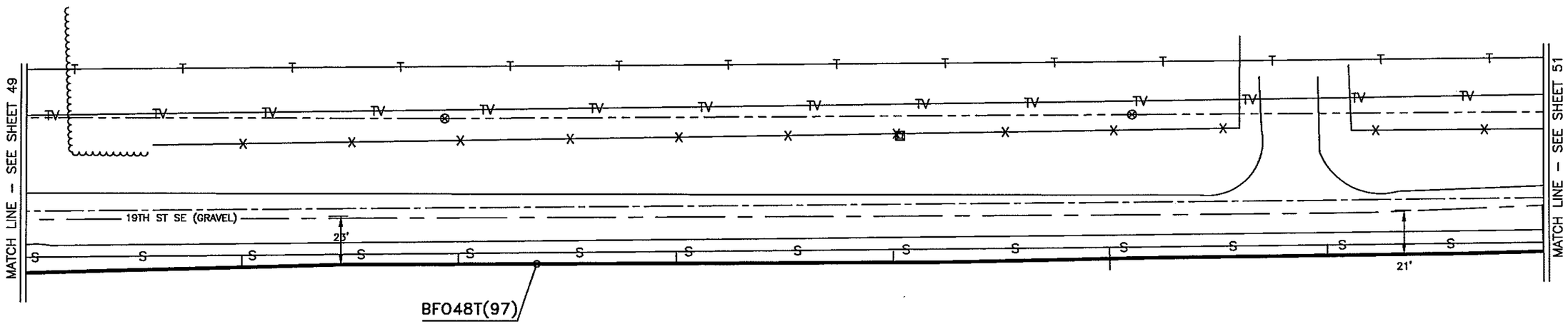
	CHECKED BY DATE	EXCHANGE	TOWNSHIP 139N	SCALE	1"=50'
SECURED BY	COMPUTER NO. 18103(MNDN_1)	RELEASE DATE	RANGE 80W	ROUTE NO.	BSMR-STAT
DATE	FIELD BOOK NO. DC1	CONSTRUCTED 12/01/97	COUNTY MORTON	SHEET NO.	50 OF 106

SECTION 6



SECTION 31

RECORD DRAWING

POLE OR PED. NO.			BF048T																			SUB NO.
STA 340+00			–																			
STA 347+00			–																			
TOTALS																						TOTALS

Kadrmas Lee & Jackson
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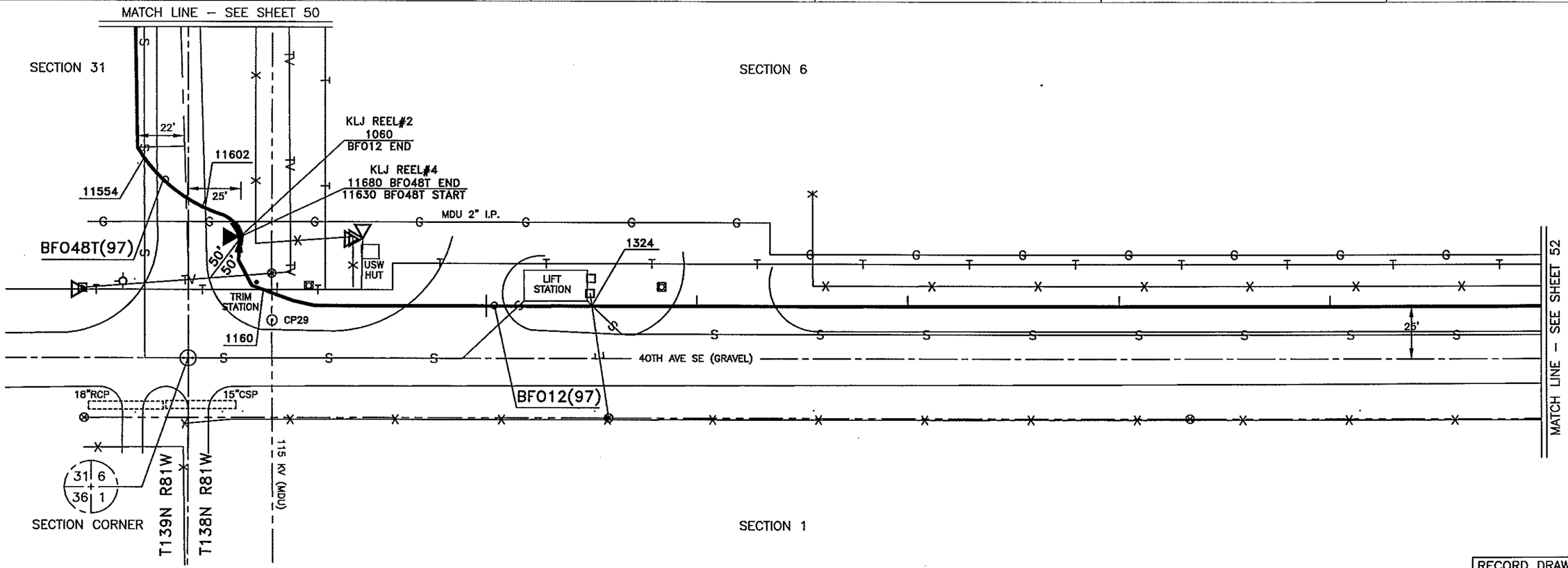
STAKING SHEET & PLANT RECORD

COMPANY: *DCN, LLC*

EASEMENT NO.	DRAWN BY NMH/TDK DATE 09/08/97	COMPANY PROJECT NO.	SECTION 31 & 6	MAP NO.	
	CHECKED BY DATE	EXCHANGE	TOWNSHIP 139N & 138N	SCALE	1"=50'
SECURED BY	COMPUTER NO. 18103(MNDN_1)	RELEASE DATE	RANGE 80W	ROUTE NO.	BSMR-STAT
DATE	FIELD BOOK NO. DC1	CONSTRUCTED 12/01/97	COUNTY MORTON	SHEET NO.	51 OF 106



RECORD DRAWING

POLE OR PED. NO.	BA4	BD2A	BF012	BF048T	BM2 (5/8)(10)		HBF0 (48)	HO-1													SUB NO.
STA 347+00				–																	
348+00 FOPED	1	1	–	1.942	1		1	12													
STA 355+00			–																		
TOTALS	1	1		1.942	1		1	12													TOTALS

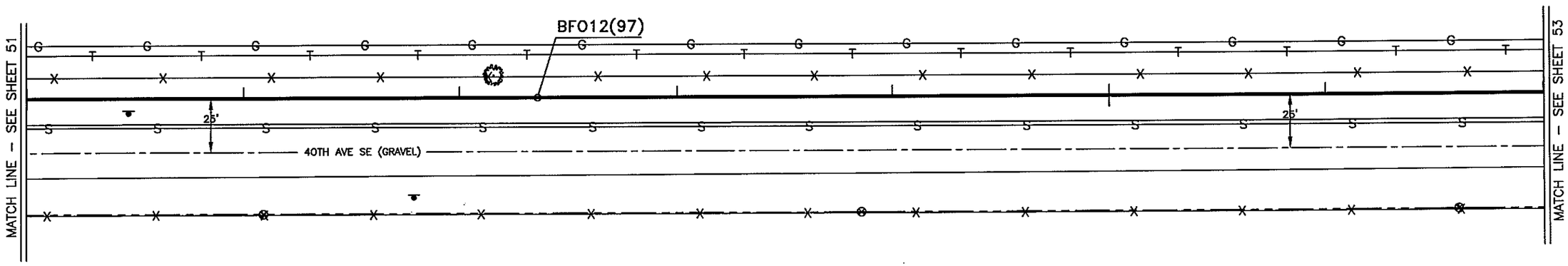
Kadrmas Lee & Jackson
Consulting Engineers and Surveyors

STAKING SHEET & PLANT RECORD

COMPANY: *DCN, LLC*

EASEMENT NO.	DRAWN BY NMH/TDK DATE 09/08/97	COMPANY PROJECT NO.	SECTION 6	MAP NO.	
	CHECKED BY DATE	EXCHANGE	TOWNSHIP 138N	SCALE	1"=50'
SECURED BY	COMPUTER NO. 18103(MNDN_1)	RELEASE DATE	RANGE 80W	ROUTE NO.	BSMR-STAT
DATE	FIELD BOOK NO. DC1	CONSTRUCTED 12/01/97	COUNTY MORTON	SHEET NO.	52 OF 106

SECTION 6



SECTION 1

RECORD DRAWING

POLE OR PED. NO.			BF012																			SUB NO.
STA 355+00			–																			
STA 362+00			–																			
TOTALS																						TOTALS

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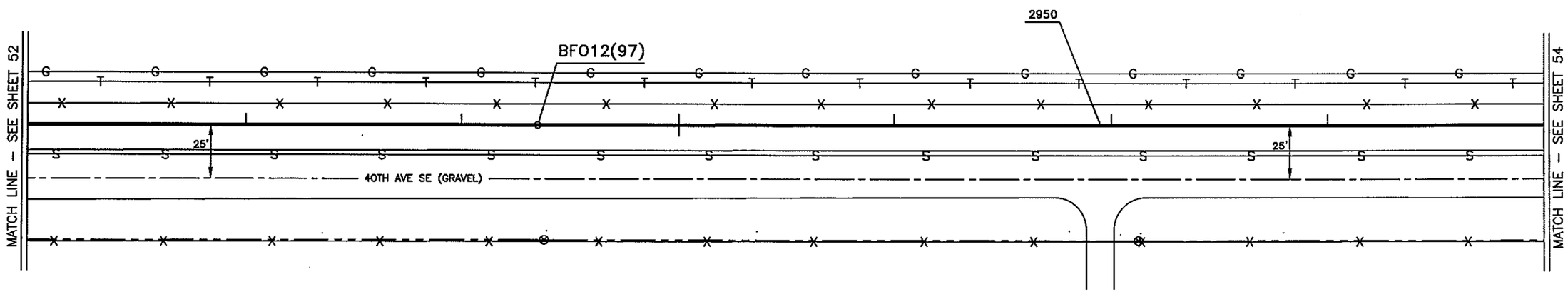
Consulting Engineers and Surveyors

STAKING SHEET & PLANT RECORD COMPANY: *DCN, LLC*

EASEMENT NO.	DRAWN BY NMH/TDK	DATE 09/08/97	COMPANY PROJECT NO.	SECTION 6	MAP NO.
	CHECKED BY	DATE	EXCHANGE	TOWNSHIP 138N	SCALE 1"=50'
SECURED BY	COMPUTER NO. 18103(MNDN_1)		RELEASE DATE	RANGE 80W	ROUTE NO. BSMR-STAT
DATE	FIELD BOOK NO. DC1		CONSTRUCTED 12/01/97	COUNTY MORTON	SHEET NO. 53 OF 106

SECTION 6



SECTION 1

RECORD DRAWING

POLE OR PED. NO.			BF012																			SUB NO.
STA 362+00			–																			
STA 369+00			–																			
TOTALS																						TOTALS

Kadrmas Lee & Jackson
Consulting Engineers and Surveyors

STAKING SHEET & PLANT RECORD

COMPANY: *DCN, LLC*

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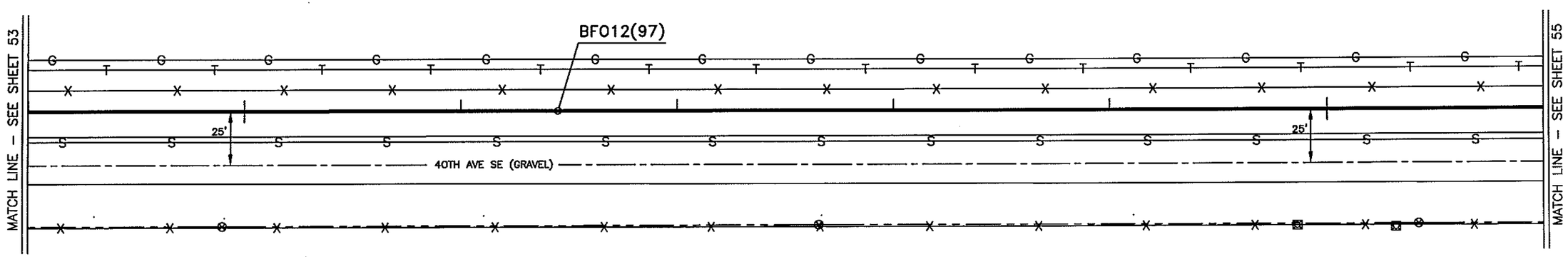
	CHECKED BY DATE	EXCHANGE	TOWNSHIP 138N	SCALE	1"=50'
SECURED BY	COMPUTER NO. 18103(MNDN_1)	RELEASE DATE	RANGE 80W	ROUTE NO.	BSMR-STAT
DATE	FIELD BOOK NO. DC1	CONSTRUCTED 12/01/97	COUNTY MORTON	SHEET NO.	54 OF 106

SECTION 6



SECTION 1

RECORD DRAWING

POLE OR PED. NO.			BF012																			SUB NO.
STA 369+00			–																			
STA 376+00			–																			
TOTALS																						TOTALS

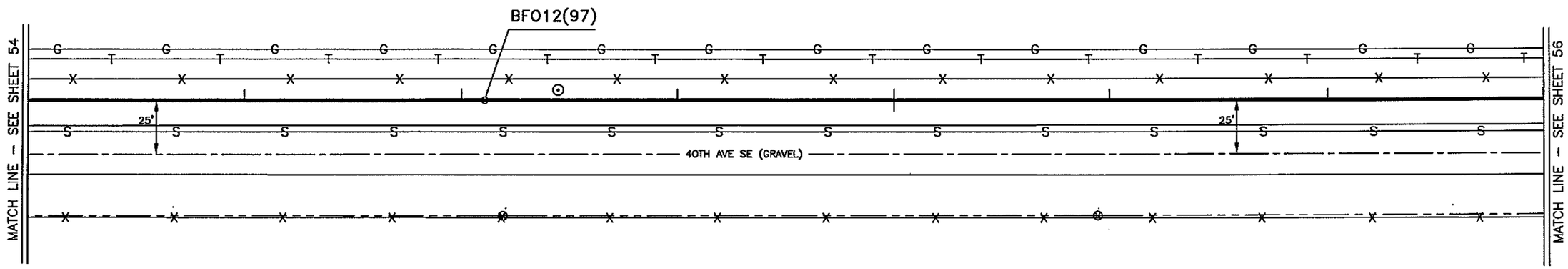
Kadrmas Lee & Jackson
Consulting Engineers and Surveyors

STAKING SHEET & PLANT RECORD

COMPANY: *DCN, LLC*

EASEMENT NO.	DRAWN BY NMH/TDK	DATE 09/08/97	COMPANY PROJECT NO.	SECTION 6	MAP NO.
	CHECKED BY	DATE	EXCHANGE	TOWNSHIP 138N	SCALE 1"=50'
SECURED BY	COMPUTER NO. 18103(MNDN_1)		RELEASE DATE	RANGE 80W	ROUTE NO. BSMR-STAT
DATE	FIELD BOOK NO. DC1		CONSTRUCTED 12/01/97	COUNTY MORTON	SHEET NO. 55 OF 106

SECTION 6



SECTION 1

RECORD DRAWING

POLE OR PED. NO.			BF012																			SUB NO.
STA 376+00			–																			
STA 383+00			–																			
TOTALS																						TOTALS

Kadrmas Lee & Jackson
Consulting Engineers and Surveyors

STAKING SHEET & PLANT RECORD

COMPANY: *DCN, LLC*

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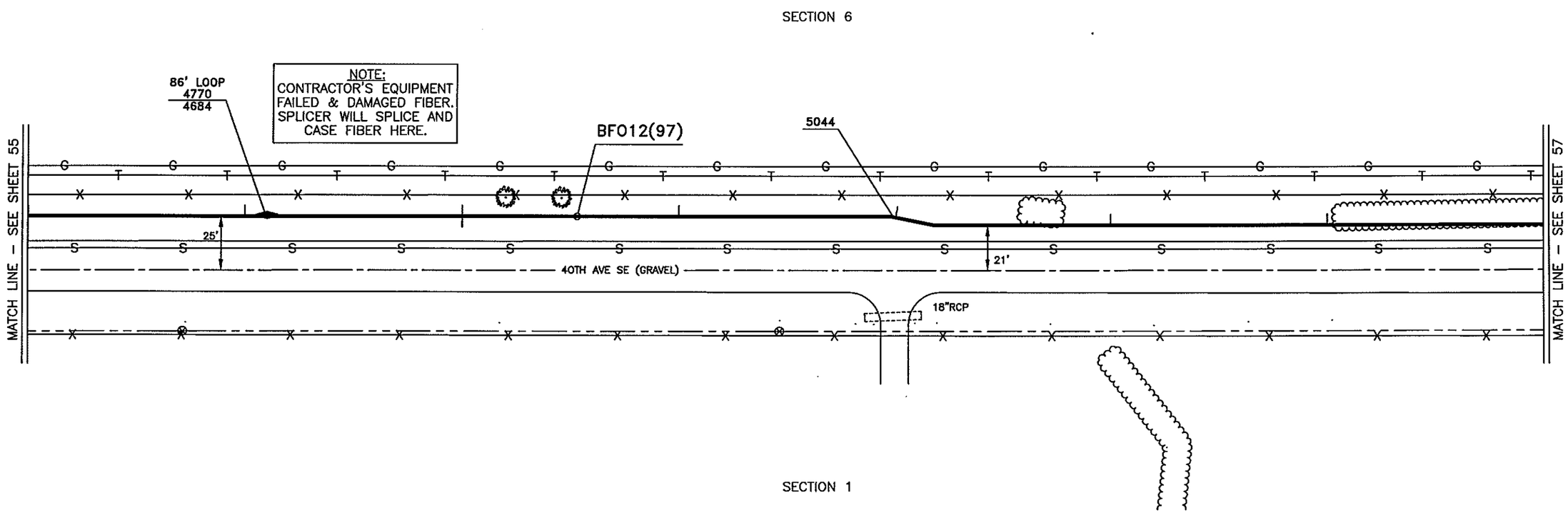
DATE	FIELD BOOK NO. DC1	CONSTRUCTED 12/01/97	COUNTY MORTON	SHEET NO.	56 OF 106



RECORD DRAWING

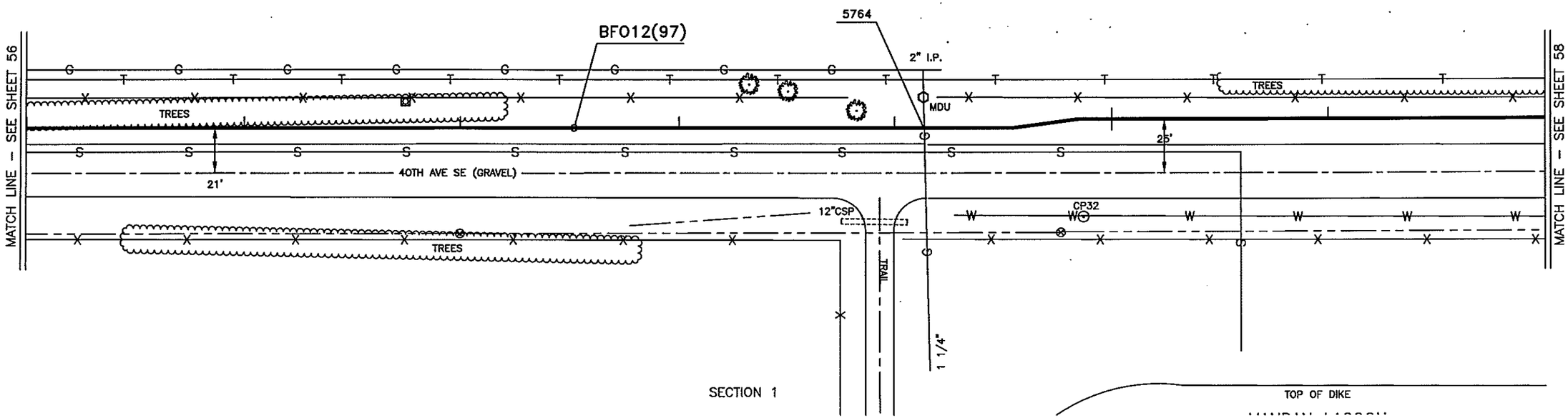
POLE OR PED. NO.			BFO12																			SUB NO.
STA 383+00			–																			
FO SPLICE																						
STA 390+00			–																			
TOTALS																						TOTALS

Kadrmas Lee & Jackson
Consulting Engineers and Surveyors

STAKING SHEET & PLANT RECORD

COMPANY: *DCN, LLC*

EASEMENT NO.	DRAWN BY NMH/TDK	DATE 09/08/97	COMPANY PROJECT NO.	SECTION 6	MAP NO.
	CHECKED BY	DATE	EXCHANGE	TOWNSHIP 138N	SCALE 1"=50'
SECURED BY	COMPUTER NO. 18103(MNDN_1)		RELEASE DATE	RANGE 80W	ROUTE NO. BSMR-STAT
DATE	FIELD BOOK NO. DC1		CONSTRUCTED 12/01/97	COUNTY MORTON	SHEET NO. 57 OF 106



RECORD DRAWING

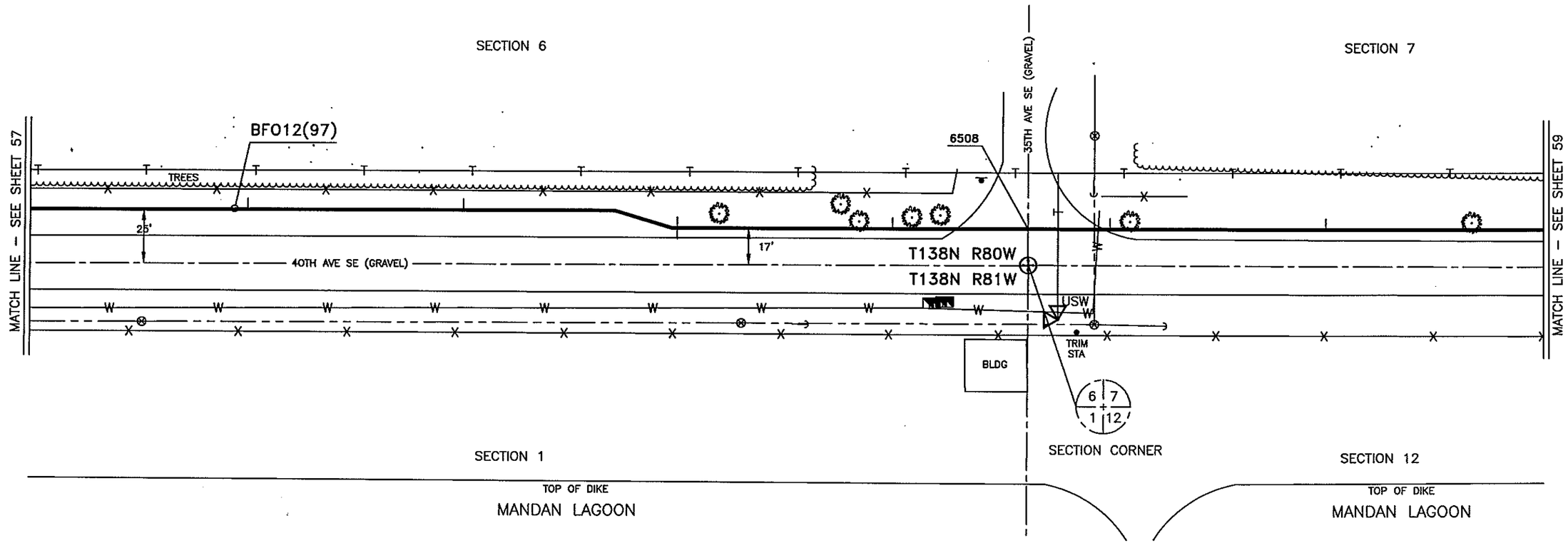
POLE OR PED. NO.			BF012																		SUB NO.
STA 390+00			–																		
STA 397+00			–																		
TOTALS																					TOTALS

Kadrmas Lee & Jackson
Consulting Engineers and Surveyors

STAKING SHEET & PLANT RECORD

COMPANY: *DCN, LLC*

EASEMENT NO.	DRAWN BY NMH/TDK	DATE 09/08/97	COMPANY PROJECT NO.	SECTION 6 & 7	MAP NO.
SECURED BY	CHECKED BY	DATE	EXCHANGE	TOWNSHIP 138N	SCALE 1"=50'
DATE	COMPUTER NO. 18103(MNDN_1)		RELEASE DATE	RANGE 80W	ROUTE NO. BSMR-STAT
	FIELD BOOK NO. DC1		CONSTRUCTED 12/01/97	COUNTY MORTON	SHEET NO. 58 OF 106



RECORD DRAWING

POLE OR PED. NO.			BF012																			SUB NO.
STA 397+00			–																			
STA 404+00			–																			
TOTALS																						TOTALS

Kadrmas Lee & Jackson
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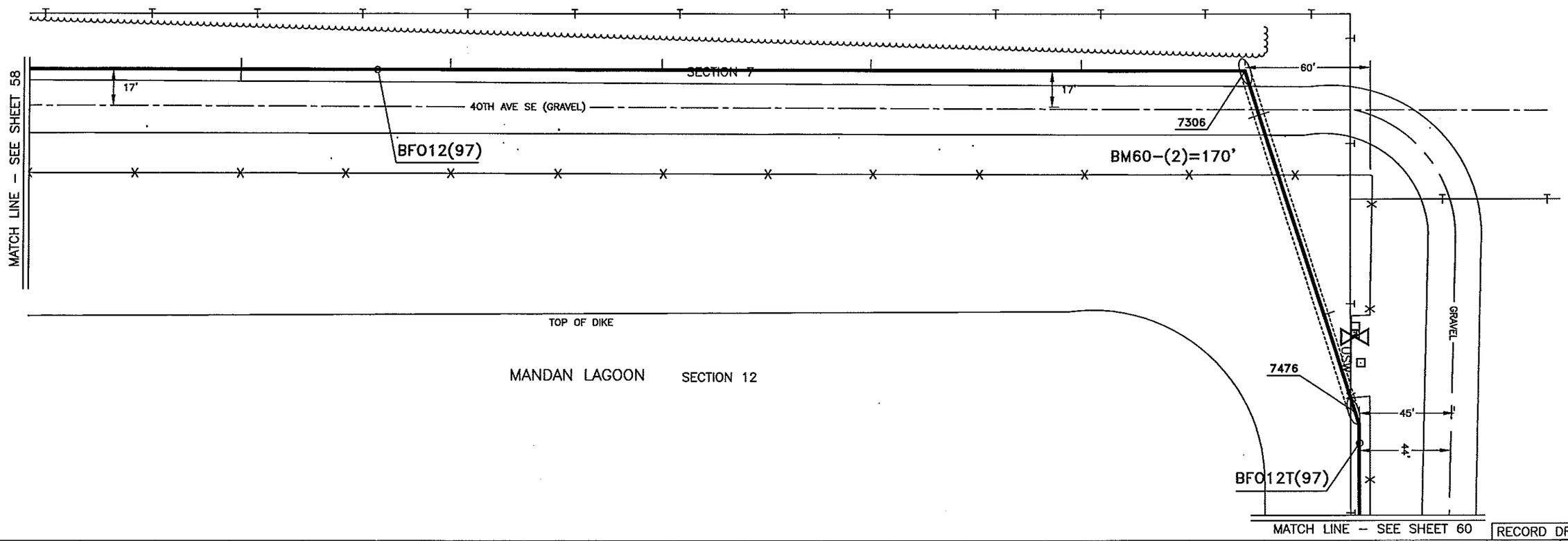
STAKING SHEET & PLANT RECORD

COMPANY: *DCN, LLC*

EASEMENT NO.	DRAWN BY NMH/TDK	DATE 09/08/97	COMPANY PROJECT NO.	SECTION 6 & 12	MAP NO.
	CHECKED BY	DATE	EXCHANGE	TOWNSHIP 138N	SCALE 1"=50'
SECURED BY	COMPUTER NO. 18103(MNDN_1)		RELEASE DATE	RANGE 80W & 81W	ROUTE NO. BSMR-STAT
DATE	FIELD BOOK NO. DC1		CONSTRUCTED 12/01/97	COUNTY MORTON	SHEET NO. 59 OF 106



RECORD DRAWING

POLE OR PED. NO.	BF012	BF012T	BM60-(2)																			SUB NO.
STA 404+00	–																					
410+79	6.246		170'																			
BORE	.170	–																				
STA 412+00		–																				
TOTALS	6.416		170'																			TOTALS

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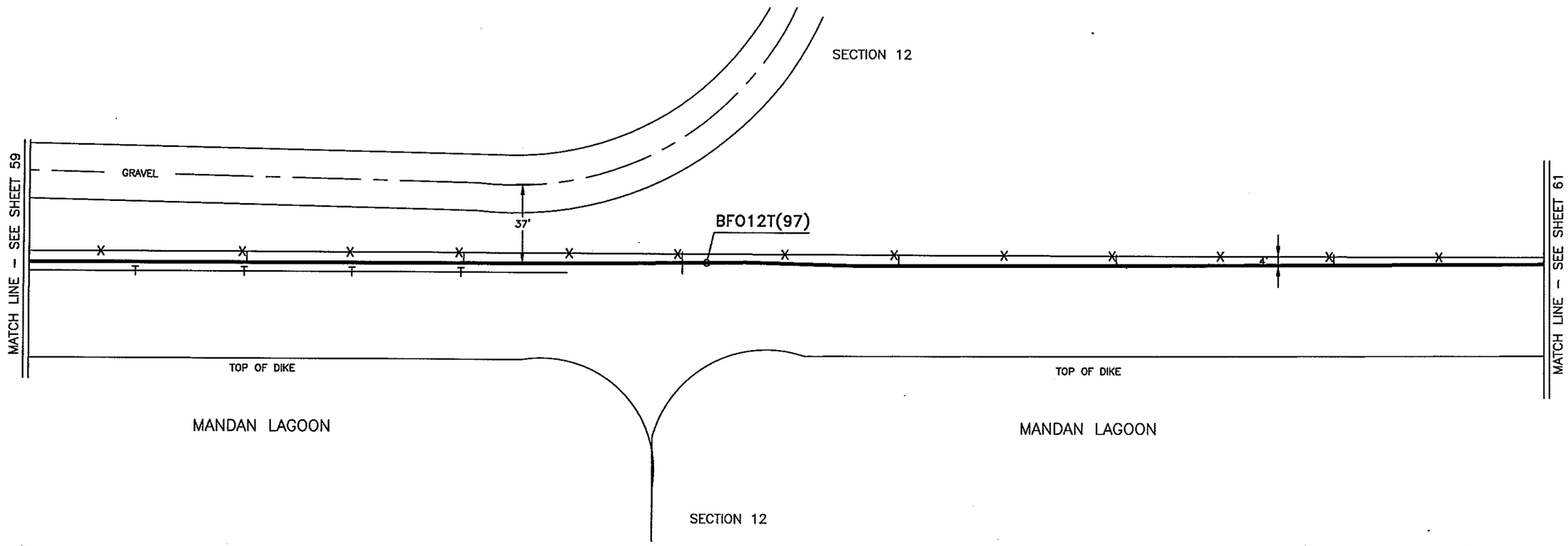
STAKING SHEET & PLANT RECORD

COMPANY: *DCN, LLC*

EASEMENT NO.	DRAWN BY NMH/TDK DATE 09/08/97	COMPANY PROJECT NO.	SECTION 12	MAP NO.	
	CHECKED BY DATE	EXCHANGE	TOWNSHIP 138N	SCALE	1"=50'
SECURED BY	COMPUTER NO. 18103(MNDN_1)	RELEASE DATE	RANGE 81W	ROUTE NO.	BSMR-STAT
DATE	FIELD BOOK NO. DC1	CONSTRUCTED 12/01/97	COUNTY MORTON	SHEET NO.	60 OF 106



RECORD DRAWING

POLE OR PED. NO.			BFO12T																		SUB NO.
STA 412+00			–																		
STA 419+00			–																		

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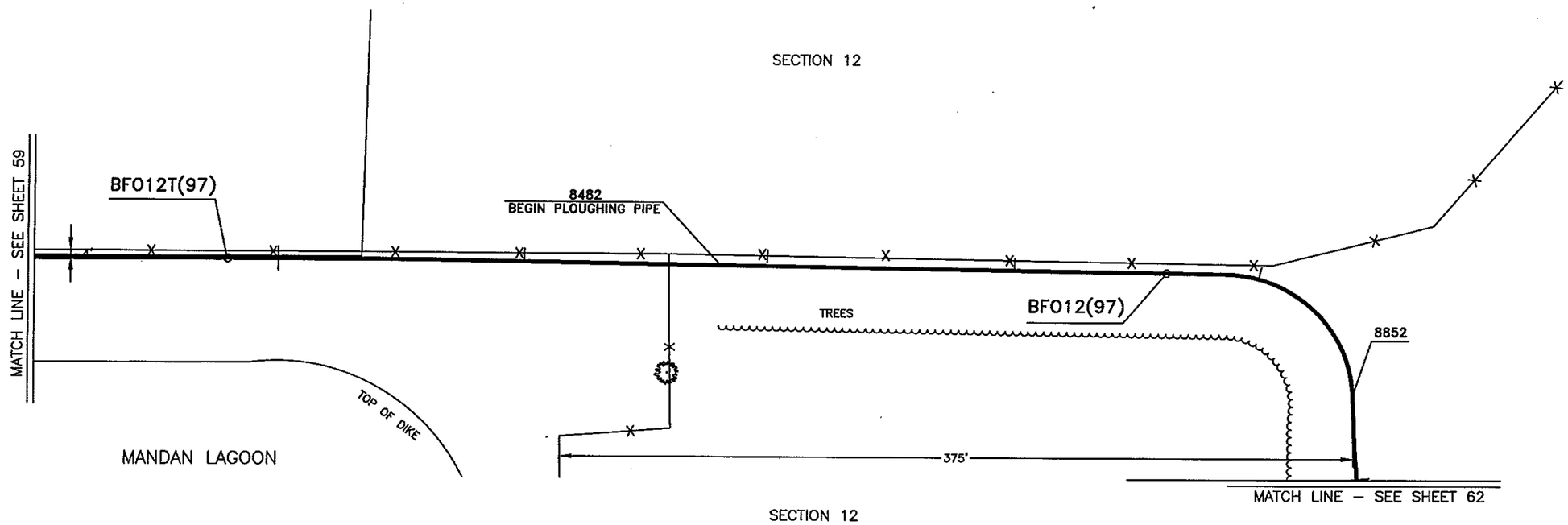
STAKING SHEET & PLANT RECORD

COMPANY: DCN, LLC

EASEMENT NO.	DRAWN BY NMH/TDK DATE 09/08/97	COMPANY PROJECT NO.	SECTION 12	MAP NO.	
	CHECKED BY DATE	EXCHANGE	TOWNSHIP 138N	SCALE	1"=50'
SECURED BY	COMPUTER NO. 18103(MNDN_1)	RELEASE DATE	RANGE 81W	ROUTE NO.	BSMR-STAT
DATE	FIELD BOOK NO. DC1	CONSTRUCTED 12/01/97	COUNTY MORTON	SHEET NO.	61 OF 106



RECORD DRAWING

POLE OR PED. NO.		BF012T	BF012																			SUB NO.
STA 419+00		–																				
421+80		1.006	–																			
STA 425+00		–	–																			
TOTALS		1.006																				TOTALS

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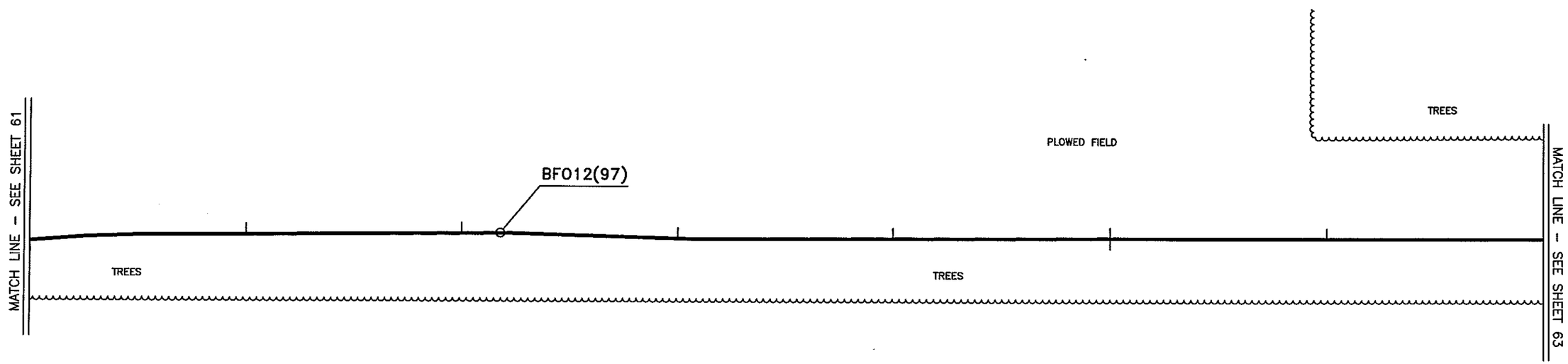
STAKING SHEET & PLANT RECORD

COMPANY: *DCN, LLC*

EASEMENT NO.	DRAWN BY NMH/TDK DATE 09/08/97	COMPANY PROJECT NO.	SECTION 12	MAP NO.	
SECURED BY	CHECKED BY DATE	EXCHANGE	TOWNSHIP 138N	SCALE	1"=50'
DATE	COMPUTER NO. 18103(MNDN_1)	RELEASE DATE	RANGE 81W	ROUTE NO.	BSMR-STAT
	FIELD BOOK NO. DC1	CONSTRUCTED 12/01/97	COUNTY MORTON	SHEET NO.	62 OF 106



RECORD DRAWING

POLE OR PED. NO.			BF012																			SUB NO.
STA 425+00			–																			
STA 432+00			–																			
TOTALS																						TOTALS

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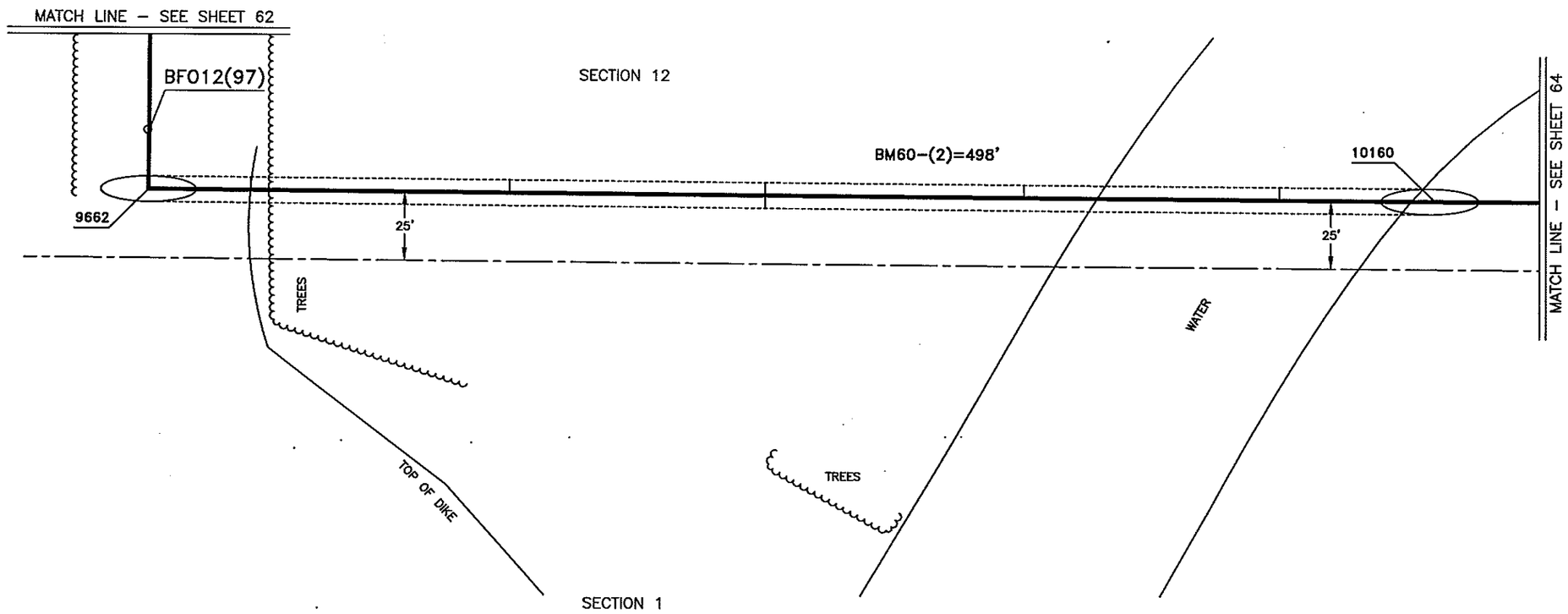
STAKING SHEET & PLANT RECORD

COMPANY: *DCN, LLC*

EASEMENT NO.	DRAWN BY NMH/TDK	DATE 09/08/97	COMPANY PROJECT NO.	SECTION 12	MAP NO.
	CHECKED BY	DATE	EXCHANGE	TOWNSHIP 138N	SCALE 1"=50'
SECURED BY	COMPUTER NO. 18103(MNDN_1)		RELEASE DATE	RANGE 81W	ROUTE NO. BSMR-STAT
DATE	FIELD BOOK NO. DC1		CONSTRUCTED 12/01/97	COUNTY MORTON	SHEET NO. 63 OF 106



RECORD DRAWING

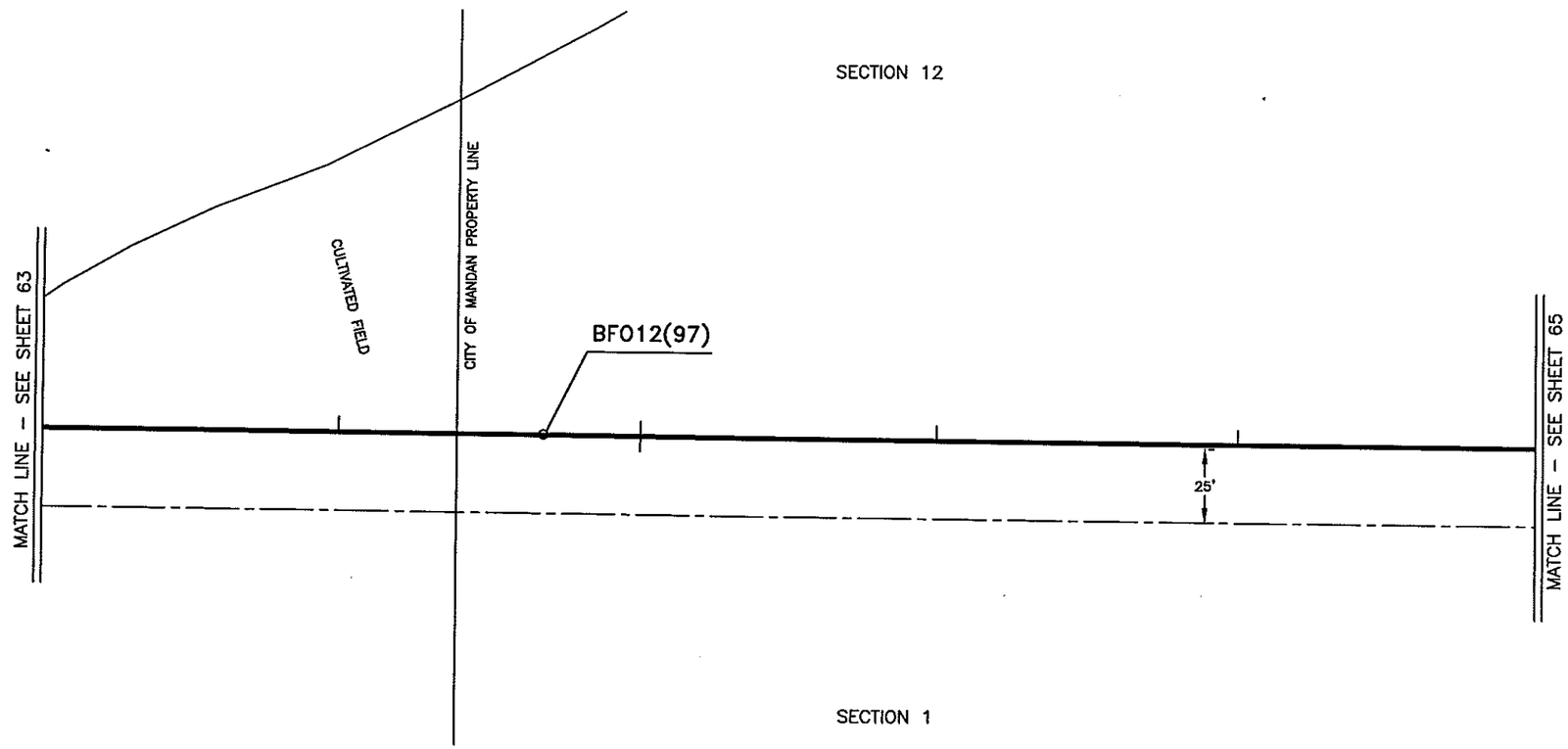
POLE OR PED. NO.		BF012	BM60–(2)																		SUB NO.
STA 432+00		–																			
432+60 BORE			–																		
END BORE			498'																		
STA 438+00		–																			
TOTALS			498'																		TOTALS

Kadrmas Lee & Jackson
Consulting Engineers and Surveyors

STAKING SHEET & PLANT RECORD

COMPANY: DCN, LLC

EASEMENT NO.	DRAWN BY NMH/TDK DATE 09/08/97	COMPANY PROJECT NO.	SECTION 12	MAP NO.	
SECURED BY	CHECKED BY DATE	EXCHANGE	TOWNSHIP 138N	SCALE	1"=50'
DATE	COMPUTER NO. 18103(MNDN_1)	RELEASE DATE	RANGE 81W	ROUTE NO.	BSMR-STAT
	FIELD BOOK NO. DC1	CONSTRUCTED 12/01/97	COUNTY MORTON	SHEET NO.	64 OF 106



RECORD DRAWING

POLE OR PED. NO.			BF012																			SUB NO.
STA 438+00			–																			
STA 443+00			–																			
TOTALS																						TOTALS