

ORDER OF SHEETS	
Section No. 1	Title
Section No. 2	Typical Sections and Details
Section No. 3	Estimate of Quantities
Section No. 3	Miscellaneous Quantities
Section No. 4	Right of Way Plat
Section No. 5	Plan and Profile
Section No. 6	Standard Detail Drawings
Section No. 7	Sign Plates
Section No. 8	Structure Plans
Section No. 9	Computer Earthwork Data
Section No. 9	Cross Sections

TOTAL SHEETS = 78



DESIGN DESIGNATION

A.A.D.T. (2015)	=	NA
A.A.D.T. (2035)	=	NA
D.H.V.	=	NA
D.D.	=	NA
T.	=	NA
DESIGN SPEED	=	NA
ESALS	=	NA

CONVENTIONAL SYMBOLS

PLAN	
CORPORATE LIMITS	
PROPERTY LINE	
LOT LINE	
LIMITED HIGHWAY EASEMENT	
EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	
PROPOSED JOINT LINE	
SLOPE INTERCEPT	
REFERENCE LINE	
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	
COMBUSTIBLE FLUIDS	
MARSH AREA	
WOODED OR SHRUB AREA	

PROFILE

GRADE LINE	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
SPECIAL DITCH	
GRADE ELEVATION	
CULVERT (Profile View)	
UTILITIES	
COMMUNICATION OVERHEAD	
COMMUNICATION UNDERGROUND	
ELECTRIC OVERHEAD	
ELECTRIC UNDERGROUND	
GAS	
SANITARY SEWER	
STORM SEWER	
WATER	
UTILITY PEDESTAL	
POWER POLE	
TELEPHONE POLE	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

DE PERE - SUAMICO

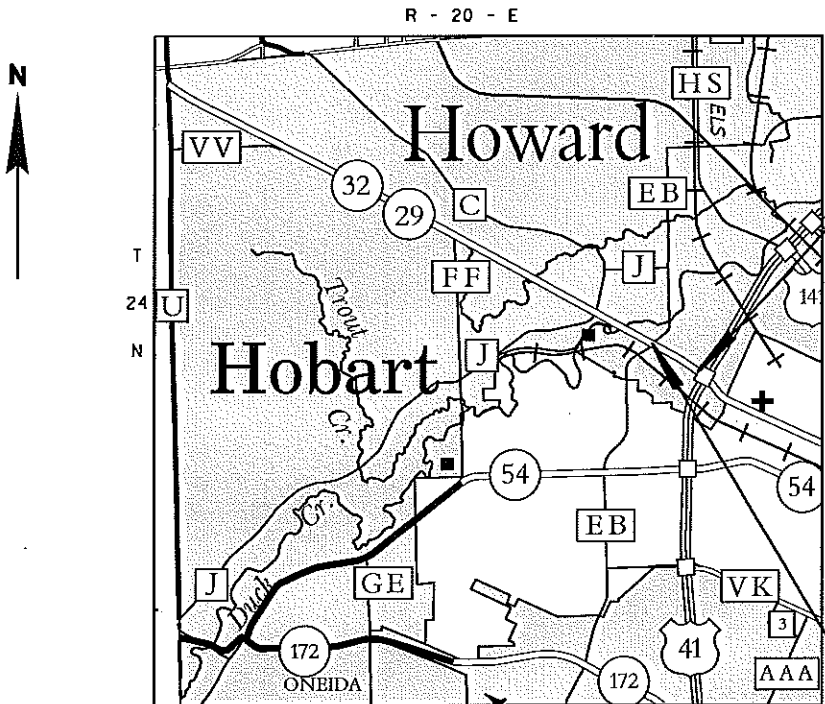
MORRIS AVE - MEMORIAL DRIVE

STH 29

BROWN COUNTY

STH 29 SYSTEM IC
LANDSCAPING

STATE PROJECT NUMBER
1133-04-73



LAYOUT
SCALE 0 .5 MI.

TOTAL NET LENGTH OF USH 41 CENTERLINE = .592 MI.

END PROJECT 1133-04-73

STA 1109NB+75.00
Y= 577408.30
X= 84492.86

BEGIN PROJECT 1133-04-73

STA 1078NB+50.00
Y= 574746.78
X= 82855.72

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE
NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD 88 (1991).
COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN
COUNTY COORDINATE SYSTEM (WCCS), BROWN COUNTY, NAD83 (1991).

STATE PROJECT

1133-04-73

FEDERAL PROJECT

PROJECT

WISC 2015134

CONTRACT

1



CONNECTING
WISCONSIN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	NE REGION
Designer	KEN SAKI DESIGN
Project Manager	KATHLEEN SLATTERY
Regional Examiner	ASHLEY NELSON
Regional Supervisor	CHAD DEGRAVE
C.O. Examiner	

APPROVED FOR THE DEPARTMENT

DATE: 1/7/15 Kathleen Slattery
(Signature)

E

GENERAL NOTES

THE CONTRACTOR SHALL CONTACT THE UTILITIES AND DIGGERS HOTLINE TO LOCATE AND FIELD VERIFY UTILITIES. THE LOCATIONS 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.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

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

DISTURBED AREAS ARE TO BE RESHAPED AND RESTORED (SEEDING, MULCHING AND FERTILIZER) AT THE DIRECTION OF THE ENGINEER. AN ASSUMED CONSTRUCTION LIMIT AS SHOWN ON THE PLANS WAS USED TO CALCULATE PROJECT RESTORATION QUANTITIES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY ANY OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS AT THE CONTRACTOR'S EXPENSE.

EROSION BALES ARE TO ONLY BE USED FOR REINFORCEMENT OF PROPOSED SILT FENCE LOCATIONS ALONG WETLANDS. ANY OTHER USE OF EROSION BALES IS PROHIBITED.

TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL WILL NOT BE PERMITTED IN WETLANDS, FLOODWAY OR FLOODPLAIN OF ANY WATERWAY.

FERTILIZER SHALL NOT BE USED NEAR NAVIGABLE WATERWAYS OR WETLANDS.

THE EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATION WILL BE DETERMINED BY THE ENGINEER.

REMOVAL OF EROSION CONTROL DEVICES IS INCIDENTAL TO THE COST OF THEIR RESPECTIVE BID ITEMS.

EROSION CONTROL DEVICES SHALL BE PLACED IN SEQUENCE WITH CONSTRUCTION OPERATIONS OR AS DETERMINED BY THE ENGINEER

THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL FOR THE PROJECT USING PLAN STANDARD DETAIL DRAWINGS AT THE DIRECTION OF THE ENGINEER. PAYMENT FOR PROJECT TRAFFIC CONTROL WILL BE MADE UNDER THE ITEM TRAFFIC CONTROL (PROJECT).

CONTRACTOR SHALL NOT DAMAGE PREVIOUSLY PLACED CURB AND GUTTER OR PAVEMENTS DURING CONSTRUCTION OPERATIONS. REPLACEMENT OF CURB AND GUTTER OR PAVEMENTS WHICH ARE DAMAGED BY OPERATIONS ARE INCIDENTAL TO THE CONTRACT.

THE CONTRACTOR SHALL PLACE TRACKING PADS AT EGRESS POINTS REQUIRED FOR CONSTRUCTION OPERATIONS.

SIGNS IN CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER THE ITEM "TRAFFIC CONTROL (PROJECT)".

ALIGNMENT IDENTIFIERS	
BDC	BEAVER DAM CREEK
CDN	COLLECTOR-DISTRIBUTOR ROAD NB
CDS	COLLECTOR-DISTRIBUTOR ROAD SB
DNEC	DOUSMAN STREET NE BYPASS
DON	DOUSMAN STREET NB
DOS	DOUSMAN STREET SB
EB	STH 29 EB
EBN	PACKERLAND DRIVE NB
EBS	PACKERLAND DRIVE SB
FEN	STH 29 EB TO USH 41 NB
FES	STH 29 EB TO USH 41 SB
FNW	USH 41 NB TO STH 29 WB
FSW	USH 41 SB TO STH 29 WB
NB	USH 41 NB
PNW	PACKERLAND DRIVE NW RAMP
PNWN	PACKERLAND DRIVE NW RAMP BYPASS N
PNWS	PACKERLAND DRIVE NW RAMP BYPASS S
PSW	PACKERLAND DRIVE SW RAMP
PSWC	PACKERLAND DRIVE SW RAMP BYPASS
SB	USH 41 SB
SHE	SHAWANO AVENUE EB
SHW	SHAWANO AVENUE WB
SNE	SHAWANO AVENUE NE RAMP
SNEC	SHAWANO AVENUE NE RAMP BYPASS
SNW	SHAWANO AVENUE NW RAMP
SNWC	SHAWANO AVENUE NW RAMP BYPASS
SSE	SHAWANO AVENUE SE RAMP
SSEC	SHAWANO AVENUE SE RAMP BYPASS
SSW	SHAWANO AVENUE SW RAMP
SSWC	SHAWANO AVENUE SW RAMP BYPASS
SWSD	SHAWANO SW RAMP - SPECIAL DITCH
UEB	ULMER DRIVE EB
UNWC	ULMER DRIVE NW BYPASS
WB	STH 29 WB

ORDER OF SECTION 2 DETAIL SHEETS

- GENERAL NOTES
- PROJECT OVERVIEW
- CONSTRUCTION DETAILS
- EROSION CONTROL
- PLANTING
- ALIGNMENT PLAN

DNR AREA LIAISON
JAMES DOPERALSKI JR
DEPARTMENT OF NATURAL RESOURCES
2984 SHAWANO AVE
P.O. BOX 10448
GREEN BAY, WI 54307-0448
(920) 662-5119
james.doperalski@wisconsin.gov

COUNTY SURVEYOR OR
SURVEYS CONTACT PERSON
PAT FORD
BROWN COUNTY
305 EAST WALNUT ST.
GREEN BAY, WI 54301
(920) 448-4493
ford_pj@co.brown.wi.us

DIGGERS

HOTLINE

Dial 811

or (800) 242-8511

www.DiggersHotline.com

UTILITY CONTACTS

AT&T LEGACY.
c/o JMC Engineers & Associates, Inc.
MR. BILL KOENIG
P.O. BOX 244
LAKE MILLS, WI 53551
jmc140@verizon.net

AT&T WISCONSIN
MS. KAREN WELLS
205 S. JEFFERSON ST.
GREEN BAY, WI 54301
(920) 433-4226
kw9272@att.com

BROWN COUNTY IT DEPARTMENT
C/O MC&E, INC.
MR. JOEL MIKULSKY
P.O. BOX 11064
GREEN BAY, WI 54307
(920) 676-0494
jmikulsky@mcae.biz

GREEN BAY METROPOLITAN
SEWERAGE DISTRICT
MR. MICHAEL PIERNER
2231 N QUINCY ST
PO BOX 19015
GREEN BAY, WI 54307-9015
(920) 438-1033
MPIERNER@GBMSD.ORG

NET LEC LLC - COMMUNICATIONS
MR. DENNIS LAFAVE
C/O Mi-Tech Services
1700 INDUSTRIAL DR
GREEN BAY, WI 54302
(920) 619-9774
DLAFAVE@mi-tech.us

QWEST COMMUNICATIONS
MR. KEVIN HUFF
13057 S. MONITOR AVE
PALOS HEIGHTS, IL 60463
(708) 837-7927
KEVIN.HUFF@QWEST.COM

TIME WARNER CABLE
MR. VINCE ALBIN
3520 DESTINATION DR.
APPLETON, WI 54915
(920) 831-9249
MOBILE: (920) 378-0444
vince.albin@twcable.com

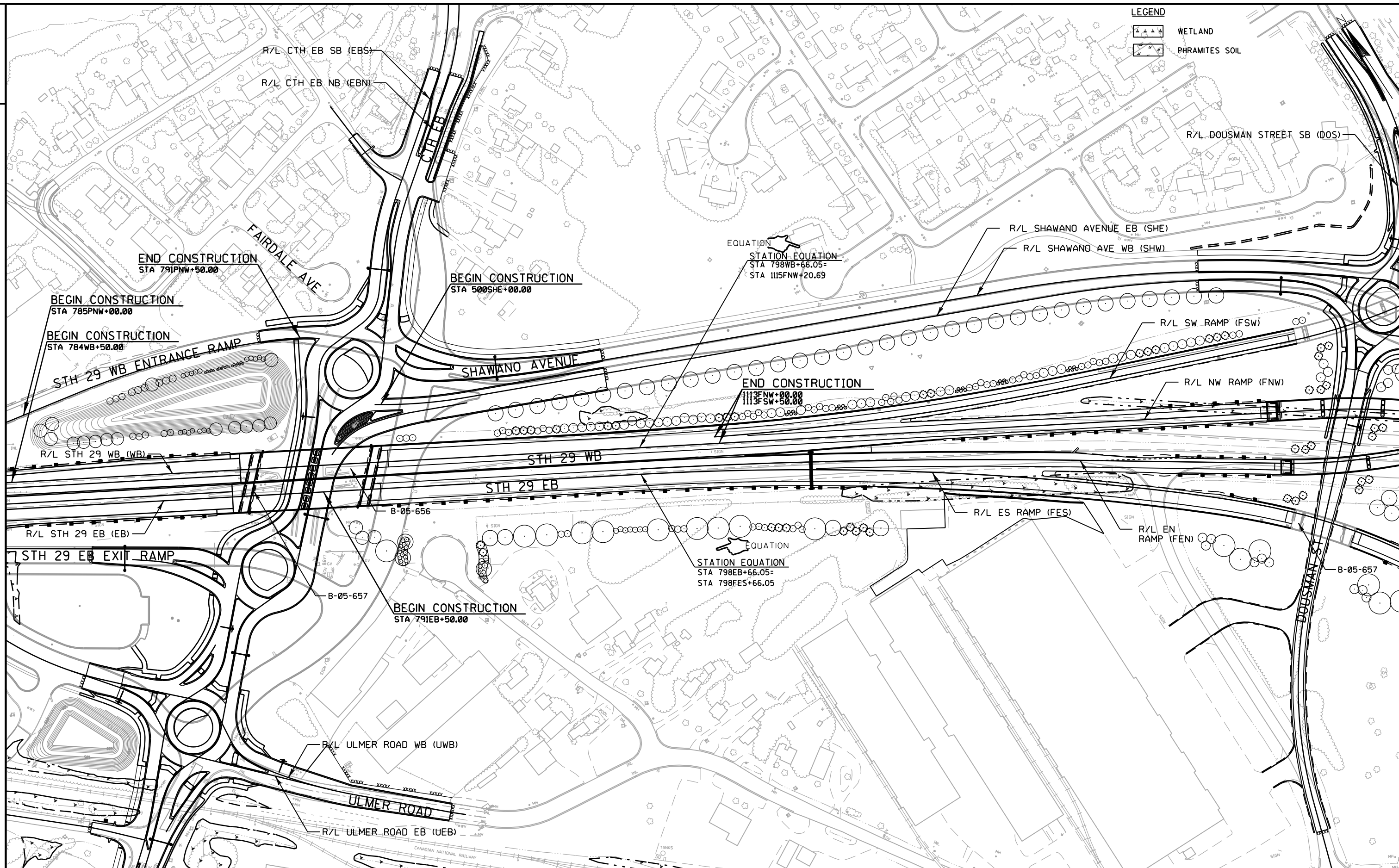
VILLAGE OF HOWARD
MR. GEOFF FARR
1336 CORNELL RD.
GREEN BAY, WI 54313
(920) 434-4060
MOBILE: (920) 819-6720
GFarr@VillageOfHoward.com

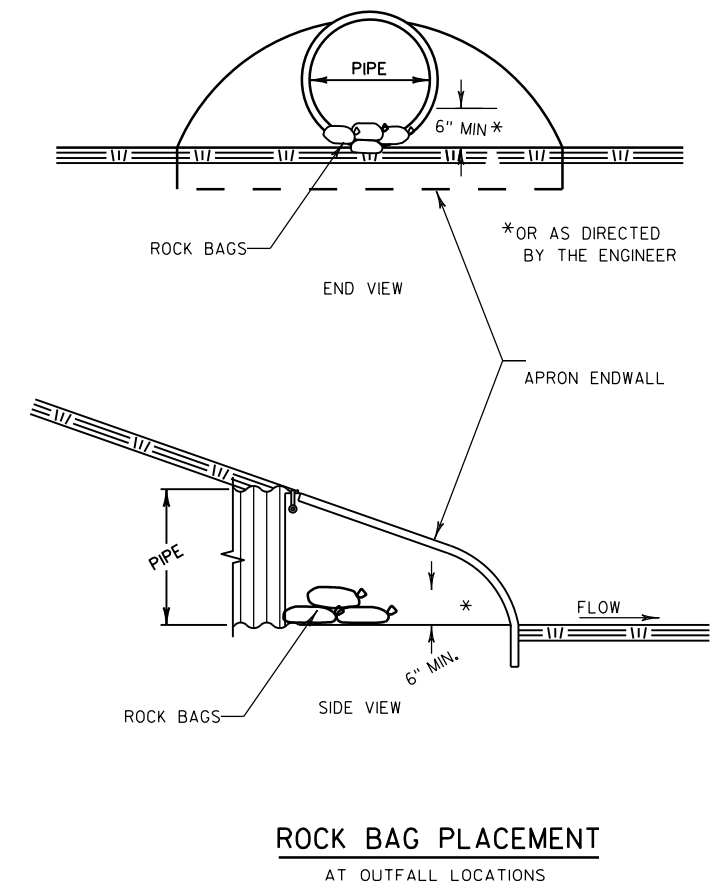
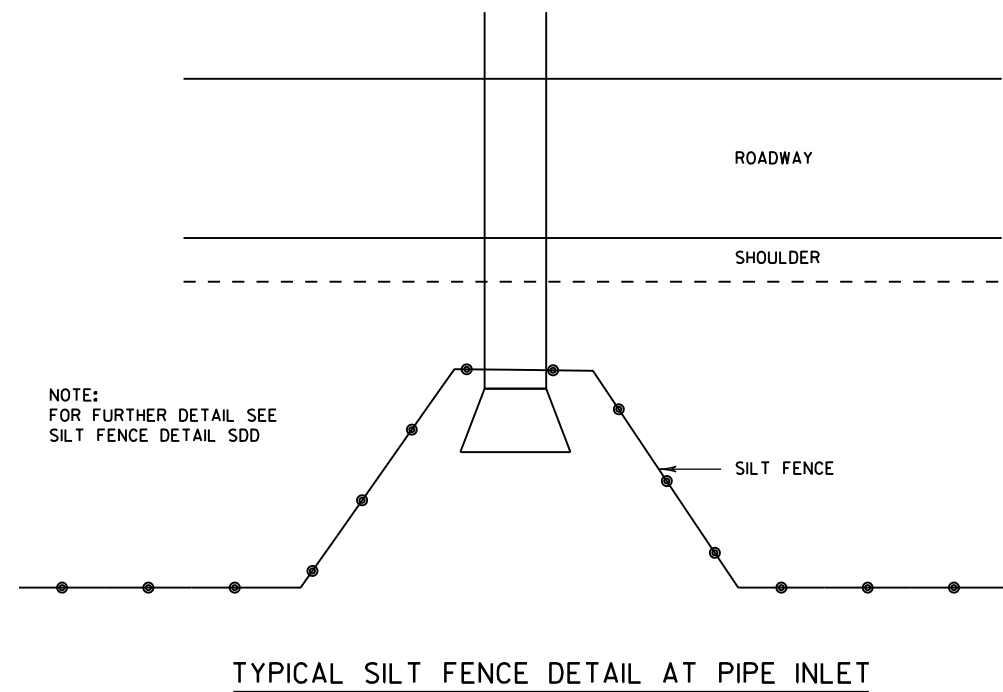
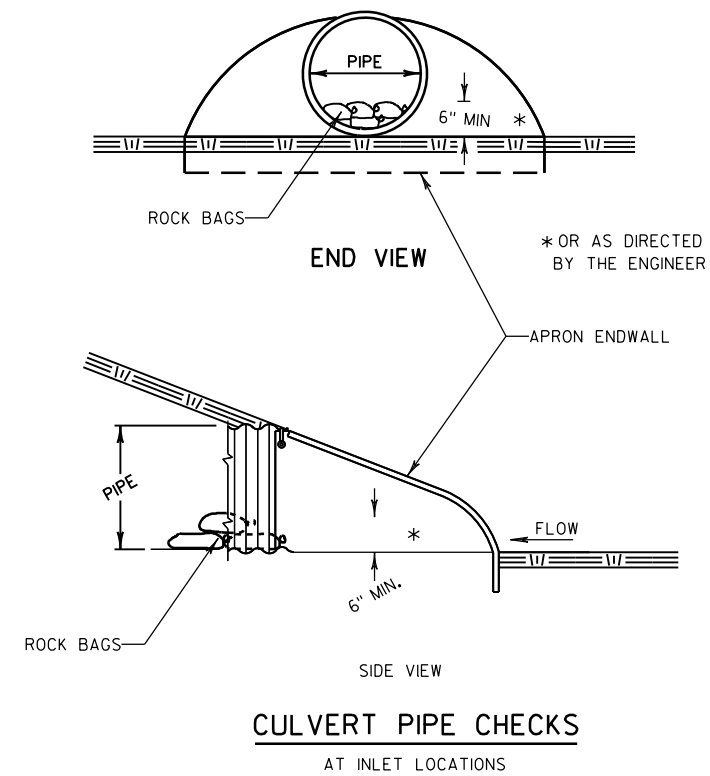
WINDSTREAM KDL, INC.
MR. JIM KOSTUCH
13935 BISHOPS DR
BROOKFIELD, WI 53005
(262) 792-7938
james.kostuch@windstream.com

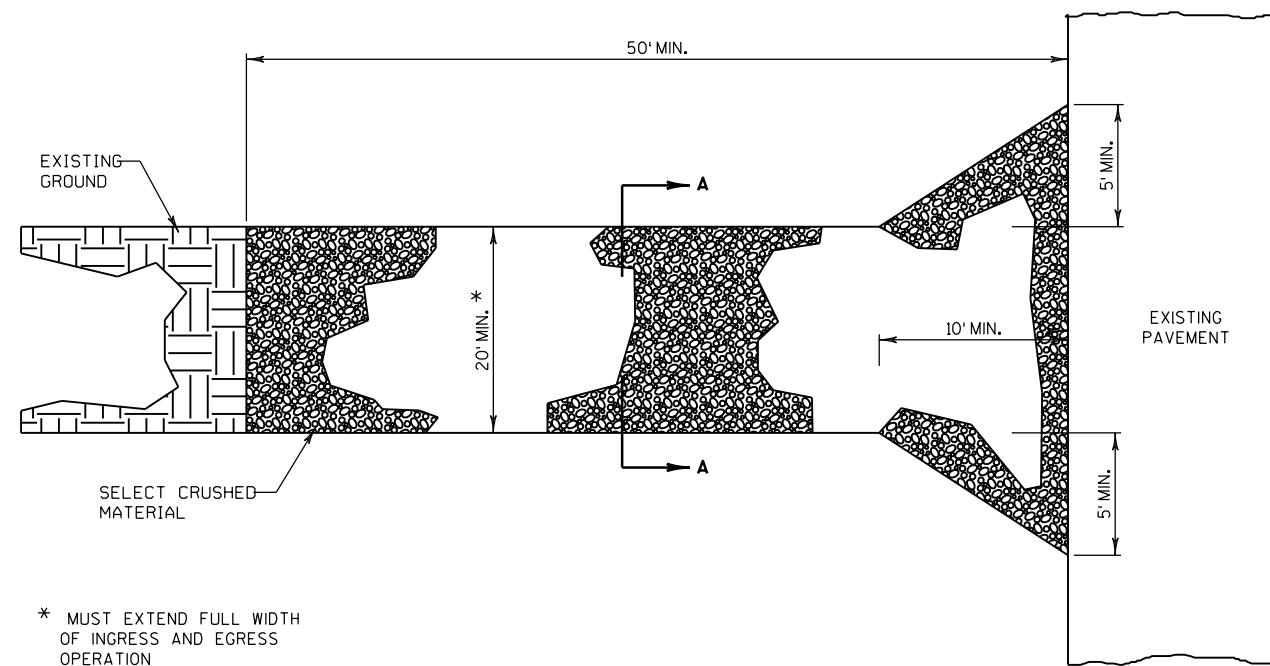
WISCONSIN PUBLIC SERVICE
CORPORATION - ELECTRIC
MR. JEFF PELISCHEK
P.O. BOX 236
TWO RIVERS, WI 54241
(920) 794-3216
MOBILE: (920) 323-4836
jspelischek@wisconsinpublicservice.com

WISCONSIN PUBLIC SERVICE
CORPORATION - GAS/PETROLEUM
MR. CHRIS STREBEL
2850 S ASHLAND AVE
GREEN BAY, WI 54304
(920) 617-5092
MOBILE: (920) 660-2021
CJStrebel@WisconsinPublicService.com



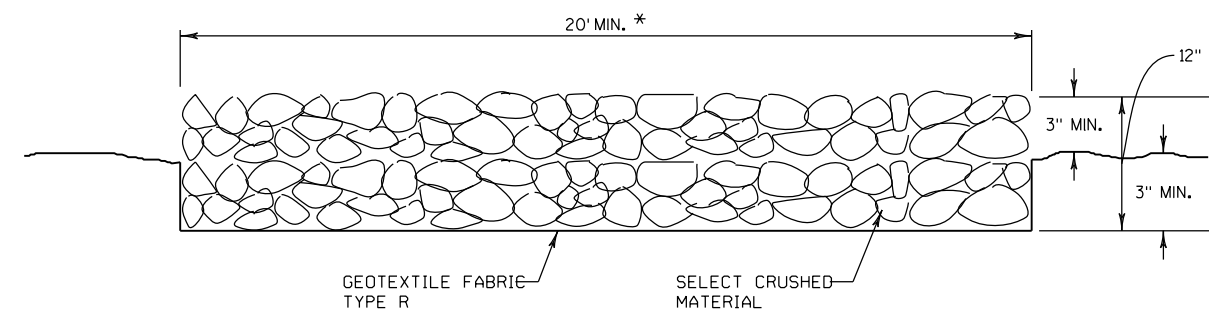






* MUST EXTEND FULL WIDTH
OF INGRESS AND EGRESS
OPERATION

PLAN VIEW



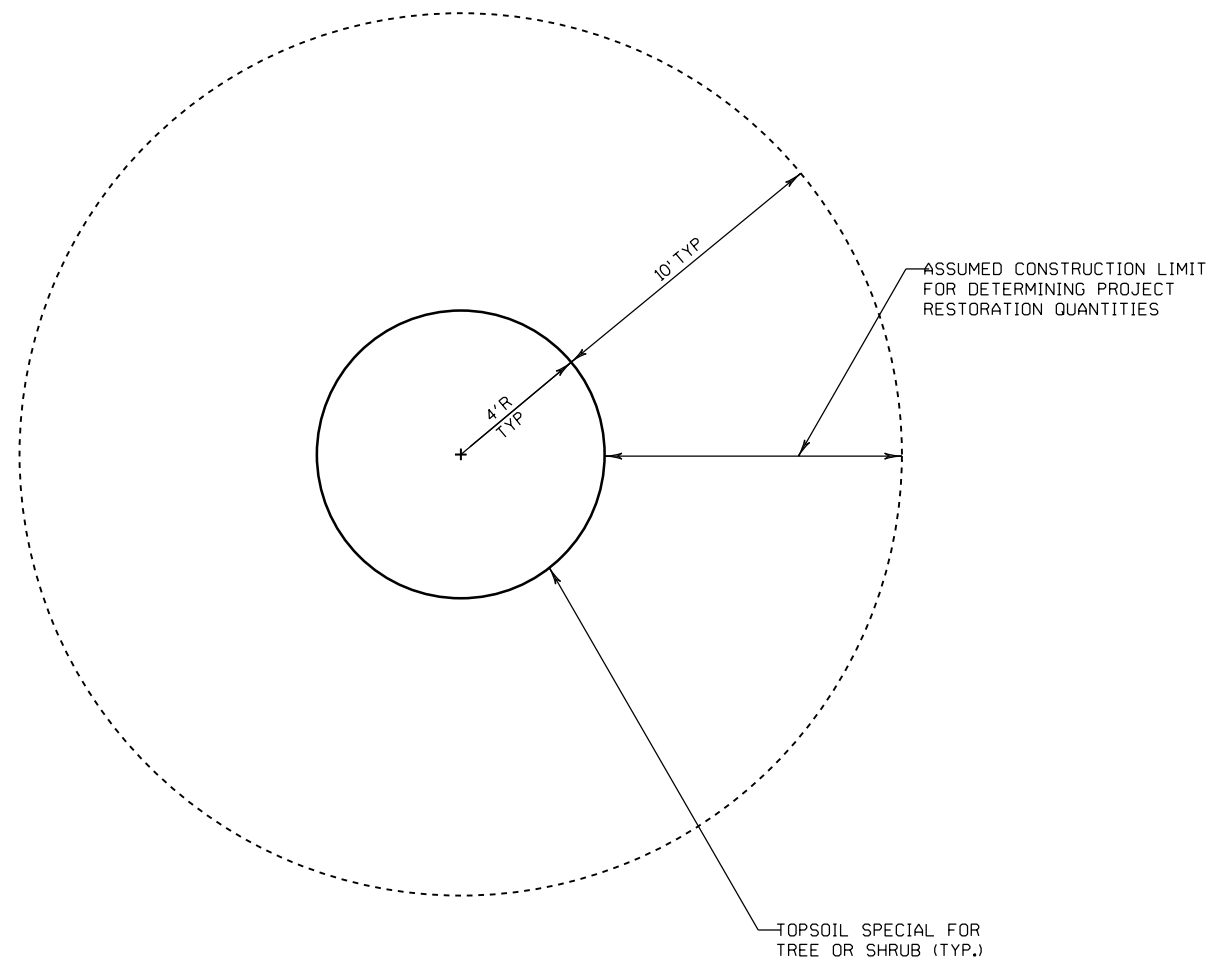
SECTION A-A

NOTE:

- 1) TRACKING PADS TO BE INSPECTED DAILY.
DEFICIENT AREAS TO BE REPAIRED OR
REPLACED IMMEDIATELY.

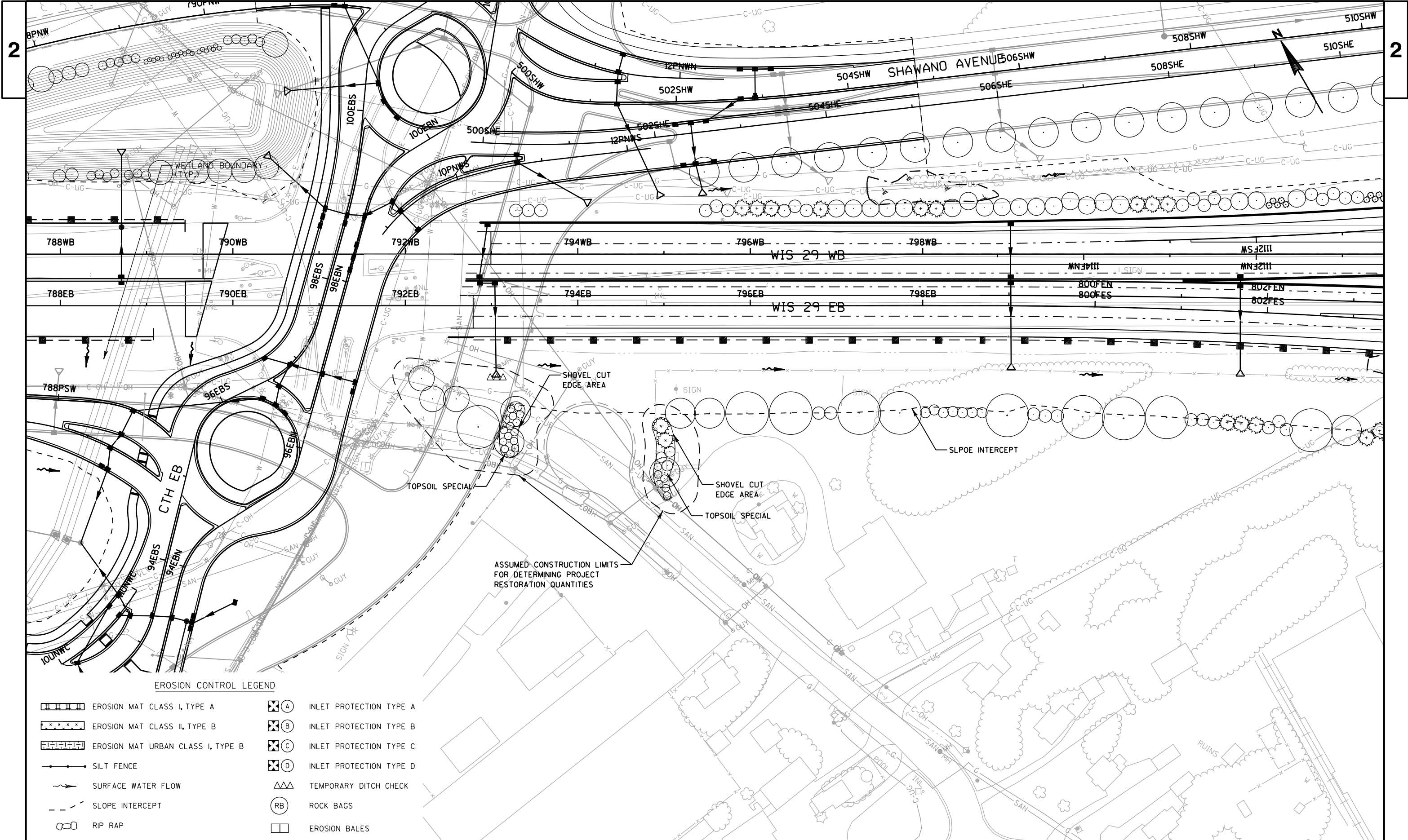
TRACKING PAD

FOR CONSTRUCTION EGRESS POINTS



RESTORATION LIMITS

AT TREE OR SHRUB LOCATIONS



PROJECT NO: 1133-04-73

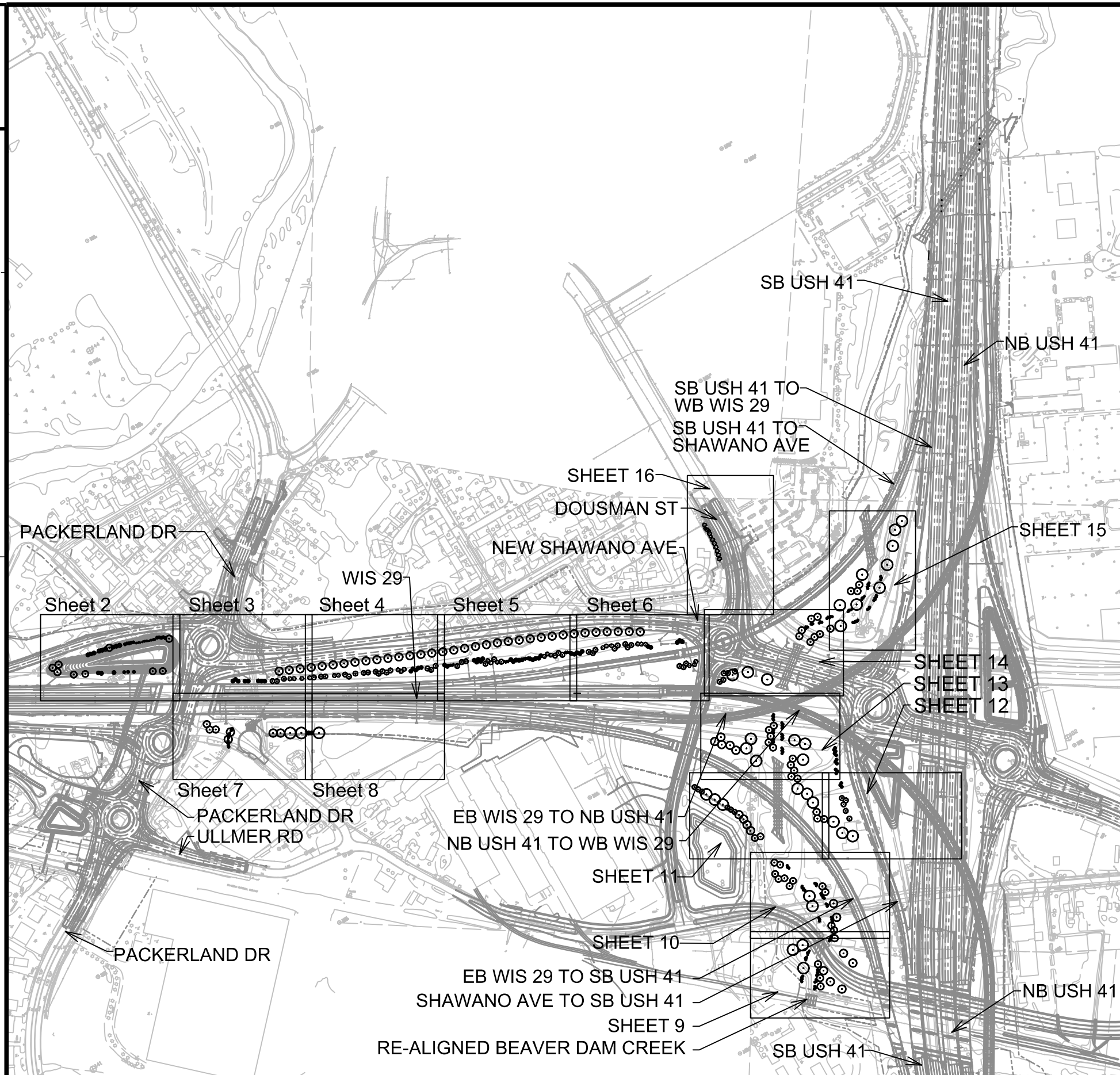
HWY: USH 41

COUNTY: BROWN

EROSION CONTROL

SHEET

E

**NOTES:**

CONTRACTOR WILL BE FULLY RESPONSIBLE FOR REPAIRING ANY AND ALL AREAS IN INFIELDS, OUTFIELDS, AND RIGHT-OF-WAYS DISTURBED BY PLANTING OPERATIONS WITH WISDOT APPROVED SEED MIX AND APPROPRIATE EROSION CONTROL MATERIAL AND/OR MULCH ACCORDING TO SECTION 630 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURES CONSTRUCTION, CURRENT EDITION AND AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING AND PROPOSED UTILITIES AND SHALL ADJUST PLANT LOCATIONS AS NECESSARY TO AVOID CONFLICTS AND ACCOMMODATE UTILITY OFFSET REQUIREMENTS.

- 5'-0" MIN. FROM GAS & UG ELECTRIC LINES
- 3'-0" MIN. FROM TELECOM, FIBER OPTIC & COAX LINES
- 8'-0" MIN. FROM VILLAGE OF HOWARD SANITARY & WATER LINES
- 40'-0" MIN. FROM CENTER OF ATC OVERHEAD POWER LINES

CONTRACTOR SHALL PLACE A MINIMUM OF 24-INCHES OF TOPSOIL SPECIAL FOR ALL PLANT MATERIAL PLANTED IN LAWN AREAS FOR THE WIDTHS INDICATED IN THE TREE PLANTING DETAIL.

IF FIELD ADJUSTMENT OF TREES IS REQUIRED, RELOCATIONS MUST BE REVIEWED AND APPROVED BY FIELD ENGINEER.

RE-MULCHING OF TREE RINGS IS EXPECTED TO BE PERFORMED IMMEDIATELY PRIOR TO THE END OF THE TWO-YEAR PROVING PERIOD AT THE FOLLOWING LOCATIONS:

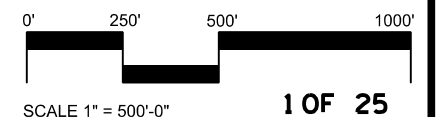
- NEW SHAWANO AVE. BETWEEN PACKERLAND DR. AND DOUSMAN ST.;
 - DOUSMAN ST. NORTH OF NEW SHAWANO AVE.;
 - INFIELD PLANTINGS IMMEDIATELY ADJACENT TO AND SOUTH OF NEW SHAWANO AVE. (WITHIN 50' OF ROADWAY EDGE) BETWEEN "SB USH 41 TO SHAWANO AVE" AND "NB USH 41 TO WB WIS 29";
 - BETWEEN SHAWANO AVE. CUL-DE-SAC AND PACKERLAND DR.
- WORK IS INCIDENTAL TO LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLE BID ITEM. ADDITIONAL PAYMENT FOR RE-MULCHING WILL NOT BE GRANTED.

MASON STREET REPLACEMENTS (SHEETS 17-20, THIS PACKAGE) ARE INCLUDED IN THE PROJECT. REFER TO NOTES ON SHEETS 17-20 FOR ADDITIONAL INFORMATION.

PLANS PREPARED BY KEN SAIKI DESIGN, MADISON, WI
(608) 251-3600

LEGEND

- (abc) PLANT SYMBOL
- (xx) QUANTITY
- (xxx) STATIONING POINT
- (•) DECIDUOUS PLANT MATERIAL LOCATION
- (+) EVERGREEN PLANT MATERIAL LOCATION



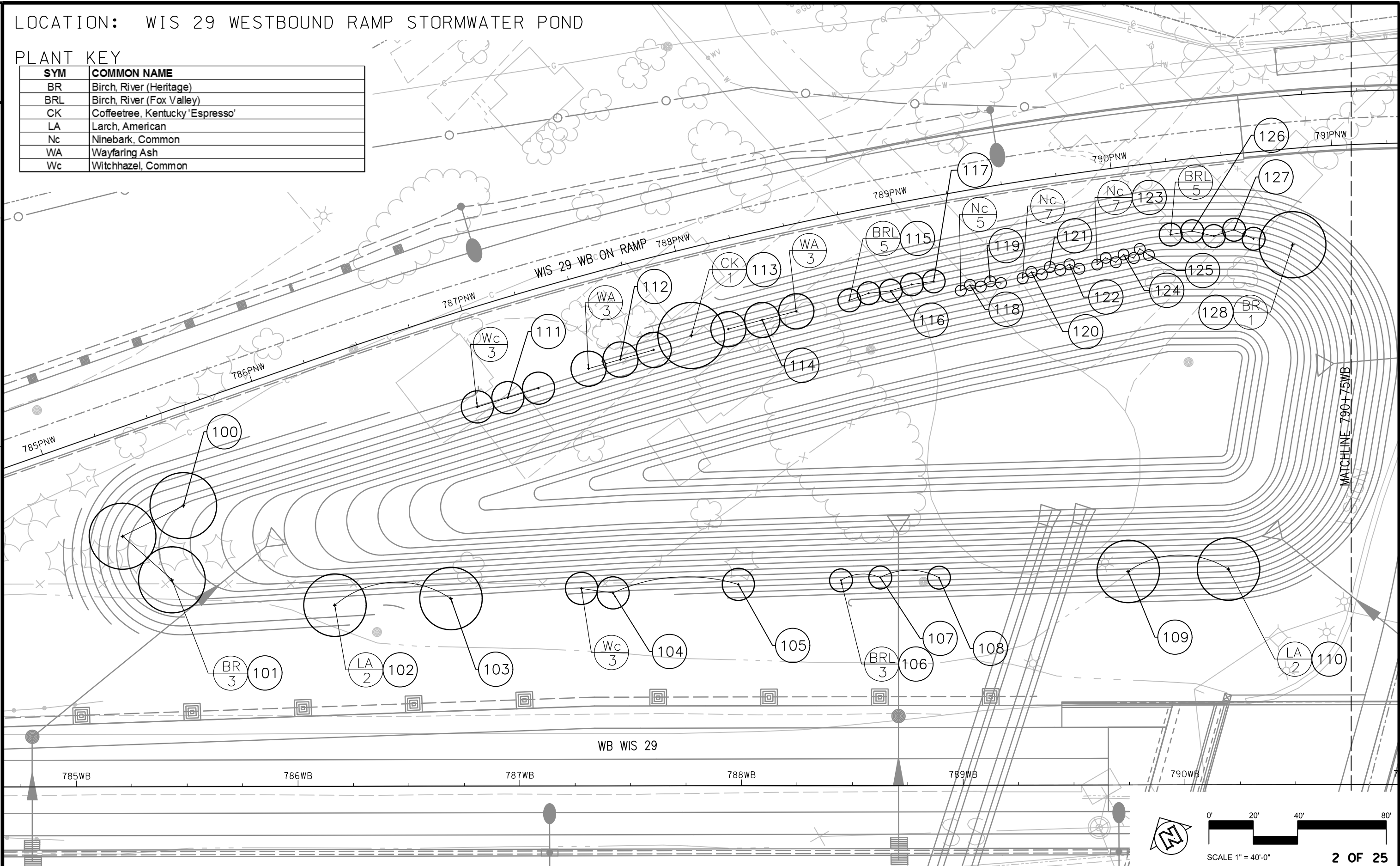
SCALE 1" = 500'-0"

1 OF 25

LOCATION: WIS 29 WESTBOUND RAMP STORMWATER POND

PLANT KEY

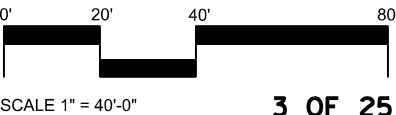
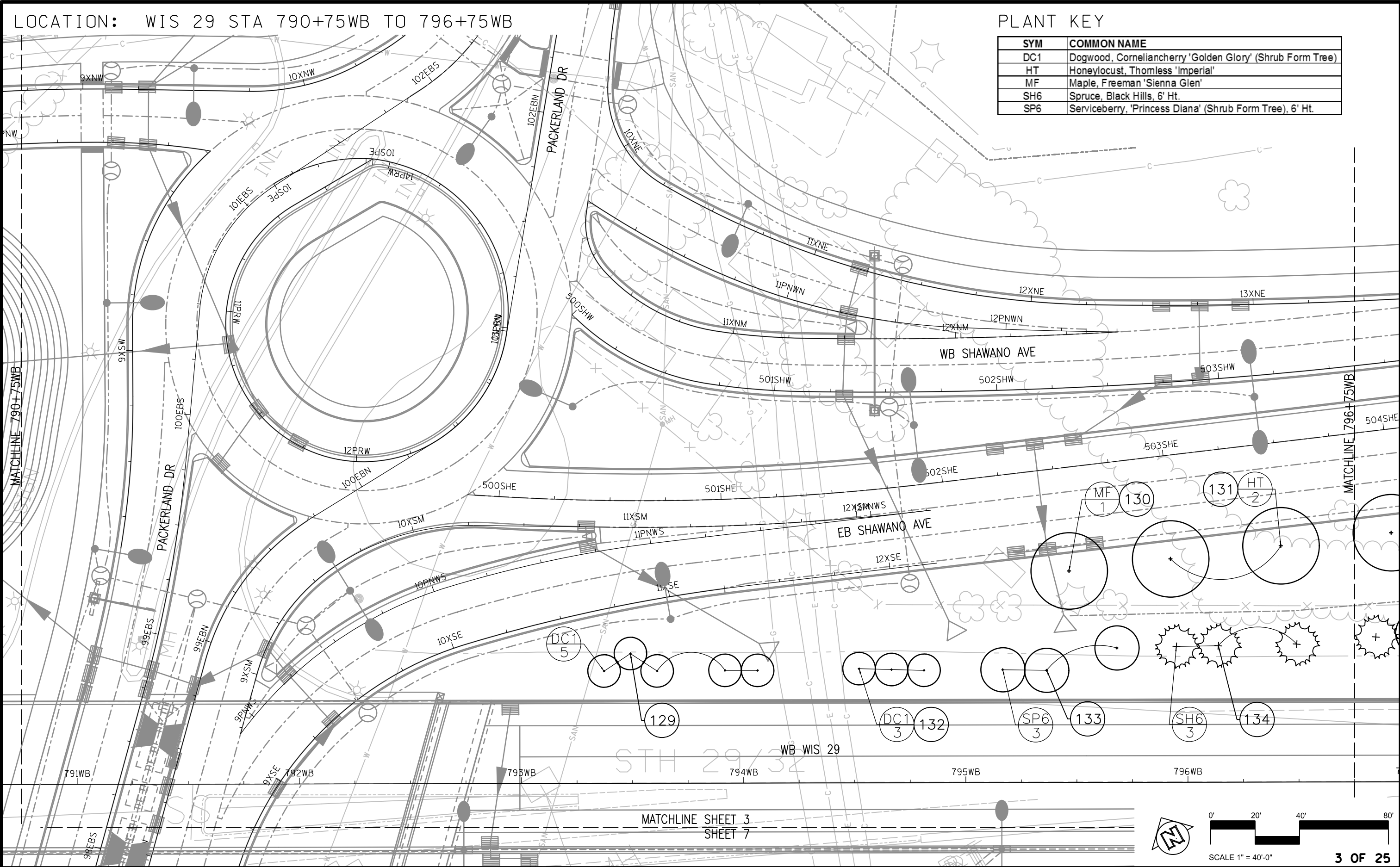
SYM	COMMON NAME
BR	Birch, River (Heritage)
BRL	Birch, River (Fox Valley)
CK	Coffeetree, Kentucky 'Espresso'
LA	Larch, American
Nc	Ninebark, Common
WA	Wayfaring Ash
Wc	Witchhazel, Common



LOCATION: WIS 29 STA 790+75WB TO 796+75WB

PLANT KEY

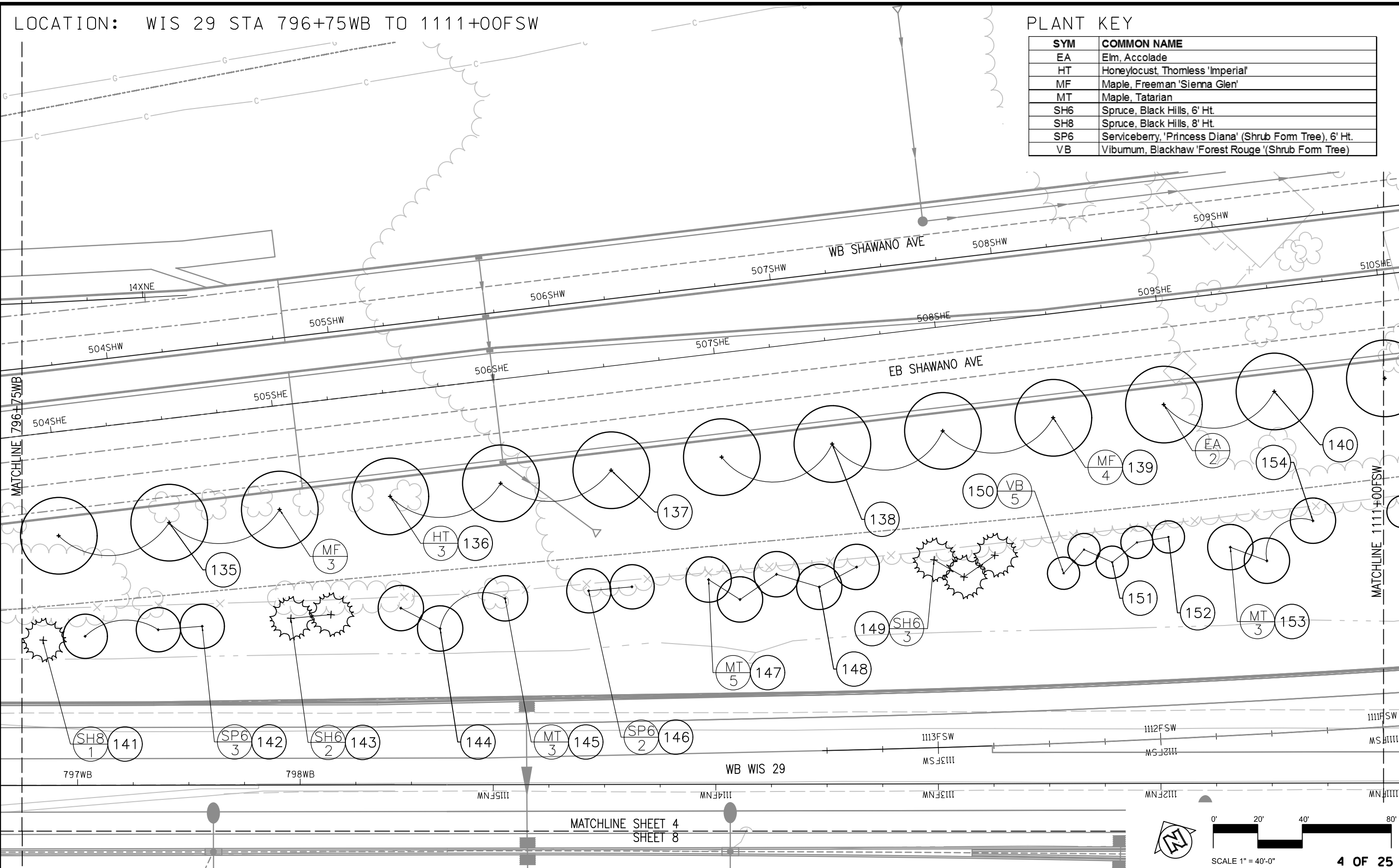
SYM	COMMON NAME
DC1	Dogwood, Corneliancherry 'Golden Glory' (Shrub Form Tree)
HT	Honeylocust, Thomless 'Imperial'
MF	Maple, Freeman 'Sienna Glen'
SH6	Spruce, Black Hills, 6' Ht.
SP6	Serviceberry, 'Princess Diana' (Shrub Form Tree), 6' Ht.



LOCATION: WIS 29 STA 796+75WB TO 1111+00FSW

PLANT KEY

SYM	COMMON NAME
EA	Elm, Accolade
HT	Honeylocust, Thornless 'Imperial'
MF	Maple, Freeman 'Sienna Glen'
MT	Maple, Tatarian
SH6	Spruce, Black Hills, 6' Ht.
SH8	Spruce, Black Hills, 8' Ht.
SP6	Serviceberry, 'Princess Diana' (Shrub Form Tree), 6' Ht.
VB	Viburnum, Blackhaw 'Forest Rouge' (Shrub Form Tree)

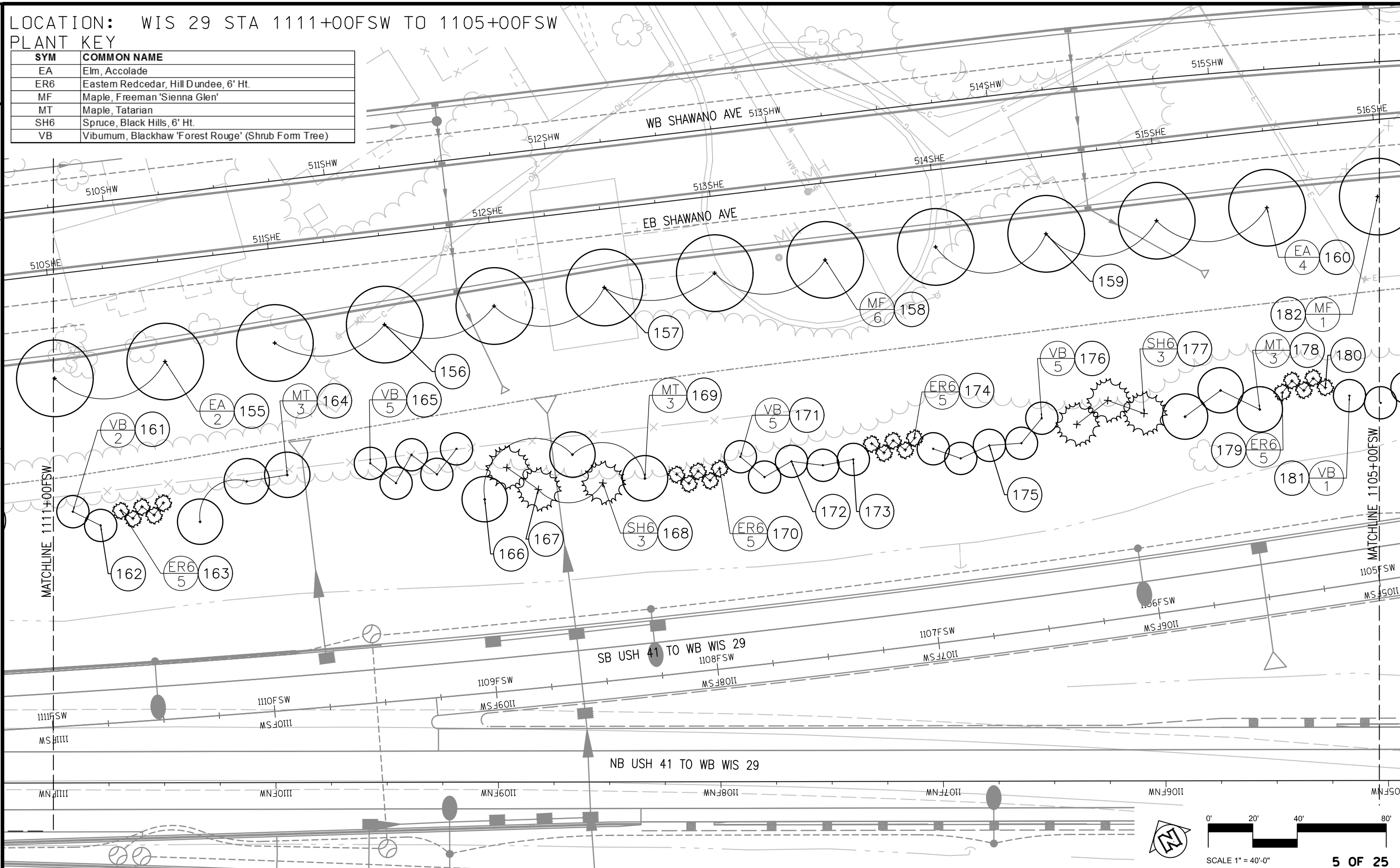


2

LOCATION: WIS 29 STA 1111+00FSW TO 1105+00FSW
PLANT KEY

SYM	COMMON NAME
EA	Elm, Accolade
ER6	Eastern Redcedar, Hill Dundee, 6' Ht.
MF	Maple, Freeman 'Sienna Glen'
MT	Maple, Tatarian
SH6	Spruce, Black Hills, 6' Ht.
VB	Viburnum, Blackhaw 'Forest Rouge' (Shrub Form Tree)

2



PROJECT NO: 1133-04-73

HWY: USH 41

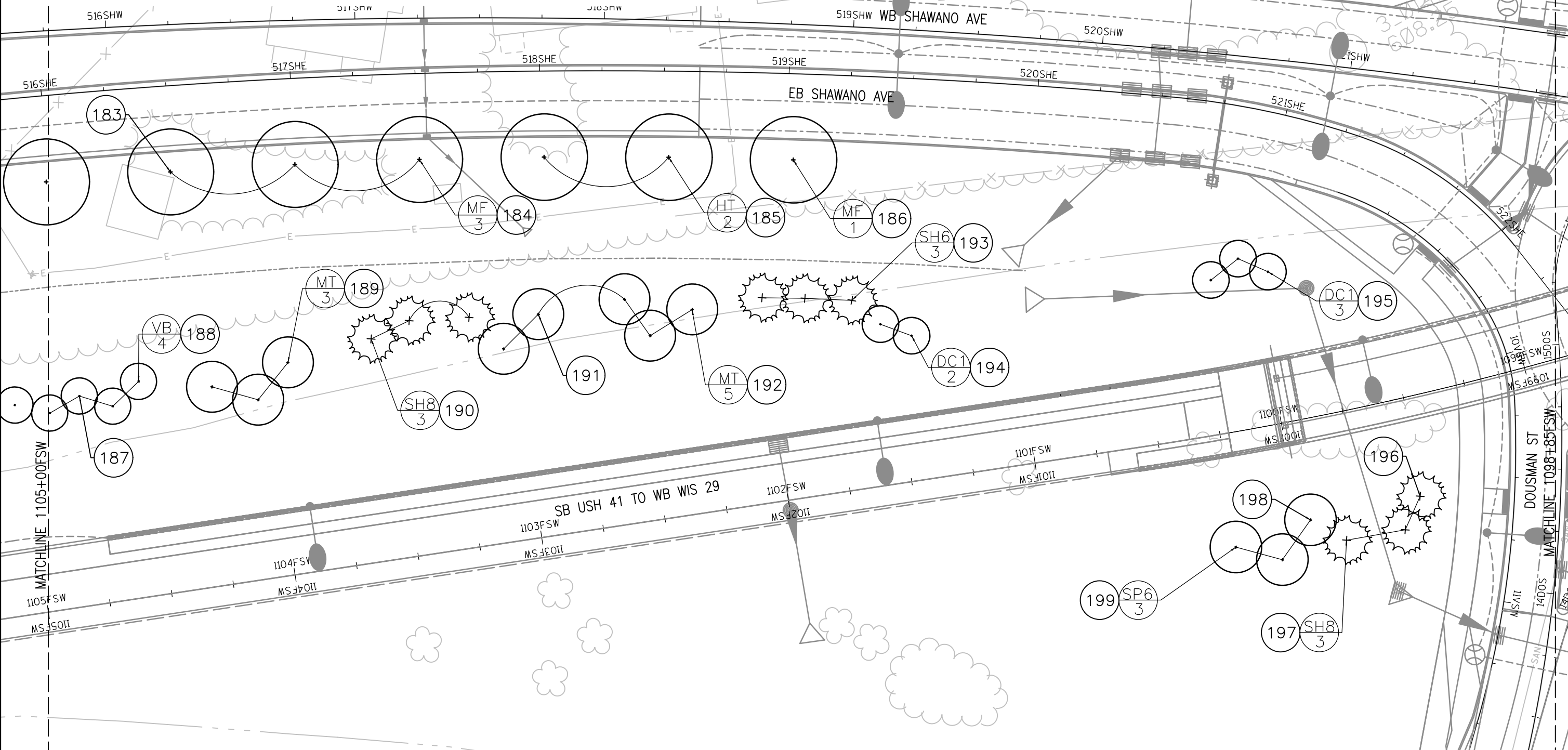
COUNTY: BROWN

PLANT LAYOUT

SHEET

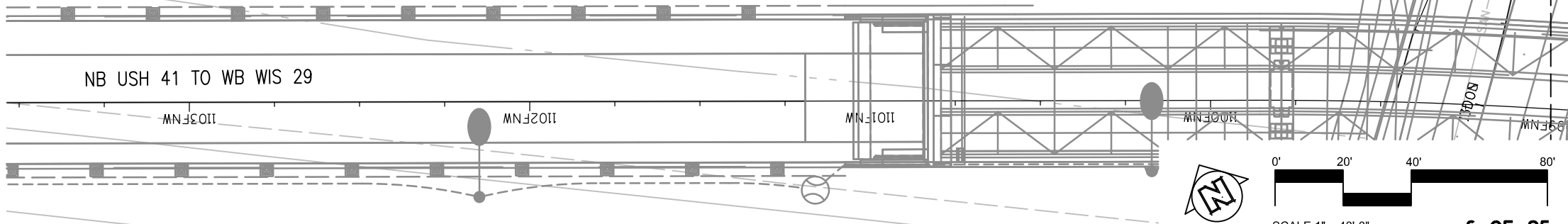
E

LOCATION: WIS 29 STA 1105+00FSW TO 1098+85FSW



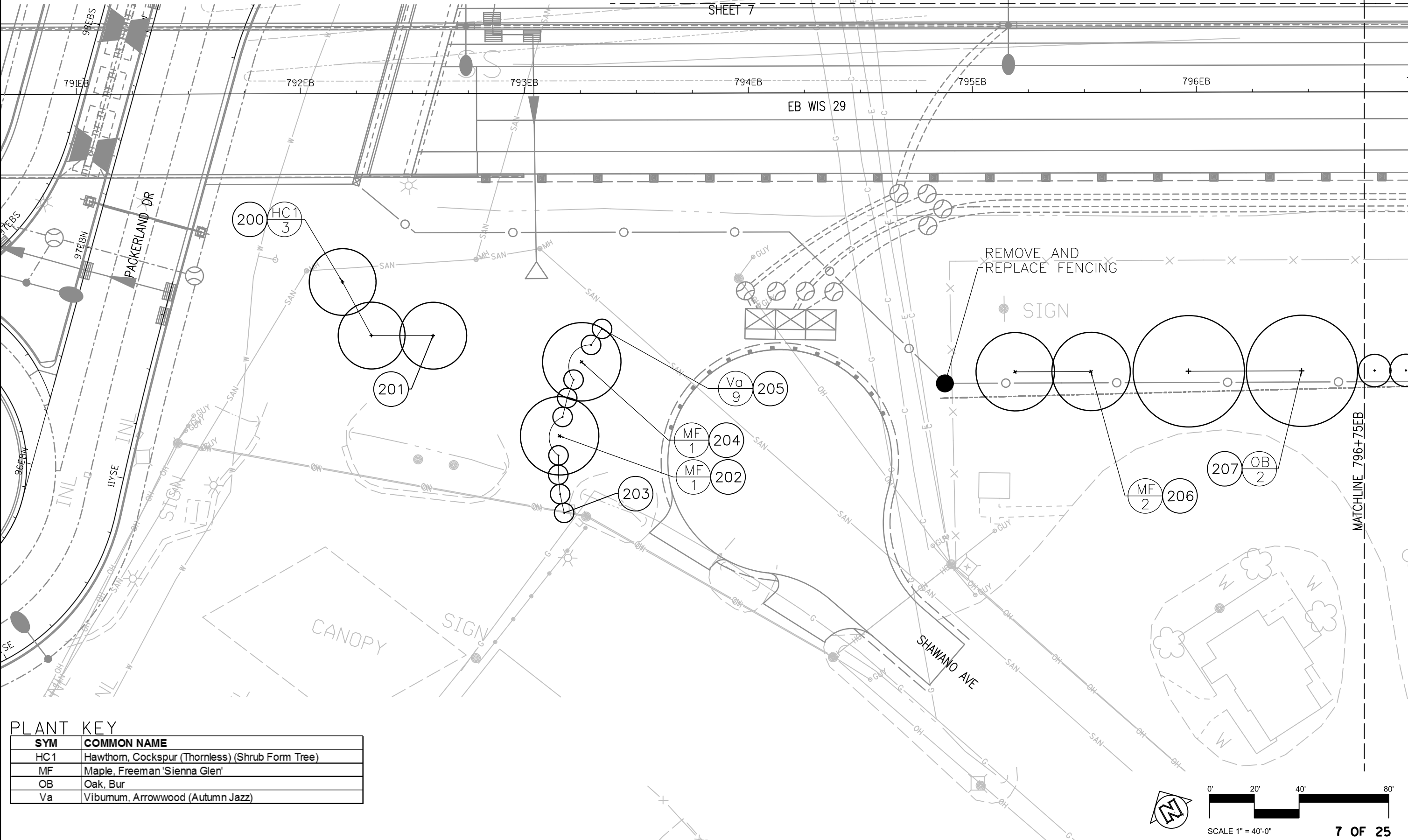
PLANT KEY

SYM	COMMON NAME
DC1	Dogwood, Corneliancherry 'Golden Glory' (Shrub Form Tree)
HT	Honeylocust, Thornless 'Imperial'
MF	Maple, Freeman 'Sienna Glen'
MT	Maple, Tatarian
SH6	Spruce, Black Hills, 6' Ht.
SH8	Spruce, Black Hills, 8' Ht.
SP6	Serviceberry, 'Princess Diana' (Shrub Form Tree), 6' Ht.
VB	Viburnum, Blackhaw 'Forest Rouge' (Shrub Form Tree)



LOCATION: PACKERLAND DRIVE TO WIS 29 STA 796+80EB

MATCHLINE SHEET 3
SHEET 7



PLANT KEY

SYM	COMMON NAME
HC1	Hawthorn, Cockspur (Thornless) (Shrub Form Tree)
MF	Maple, Freeman 'Sienna Glen'
OB	Oak, Bur
Va	Viburnum, Arrowwood (Autumn Jazz)

PROJECT NO: 1133-04-73

HWY: USH 41

COUNTY: BROWN

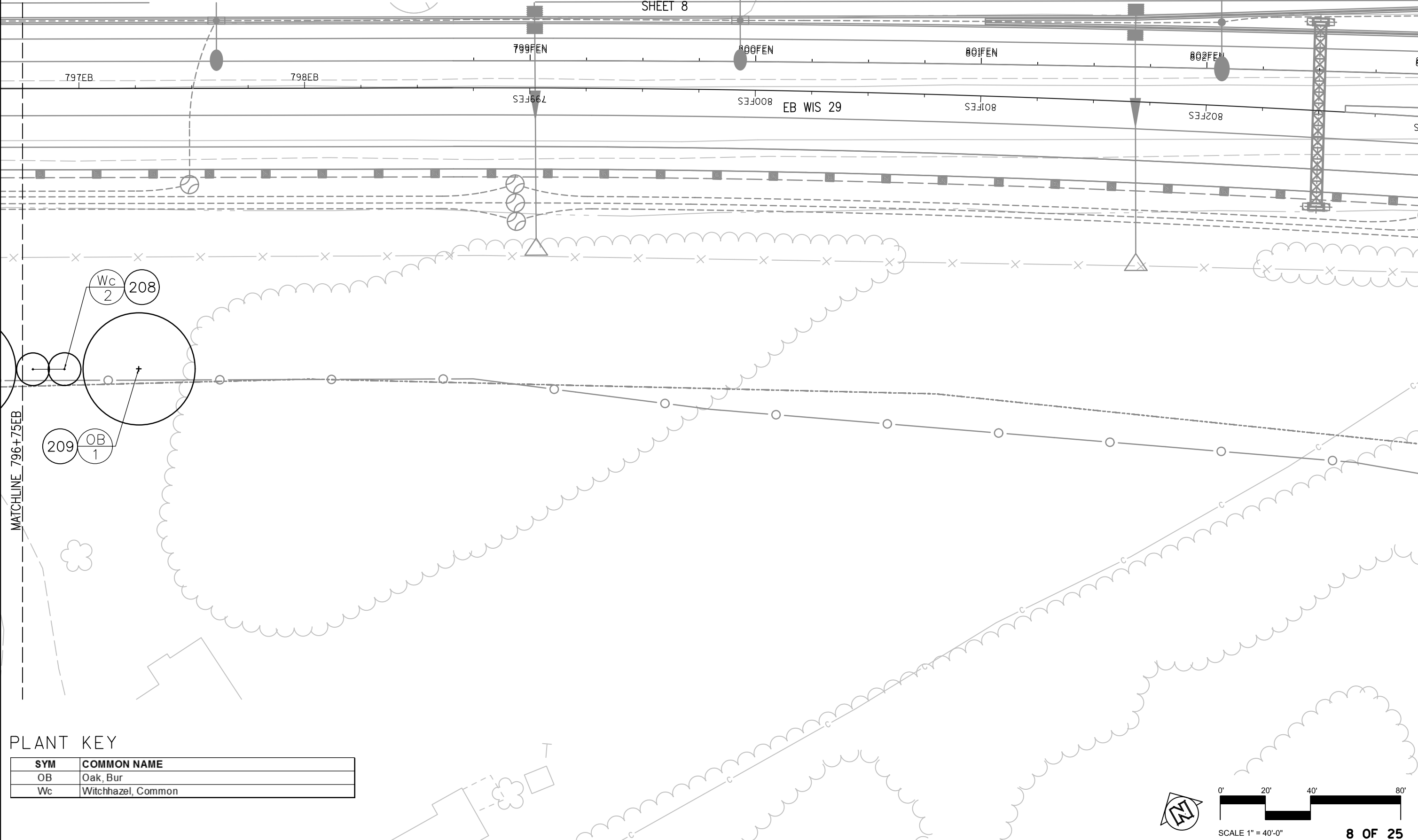
PLANT LAYOUT

SHEET

E

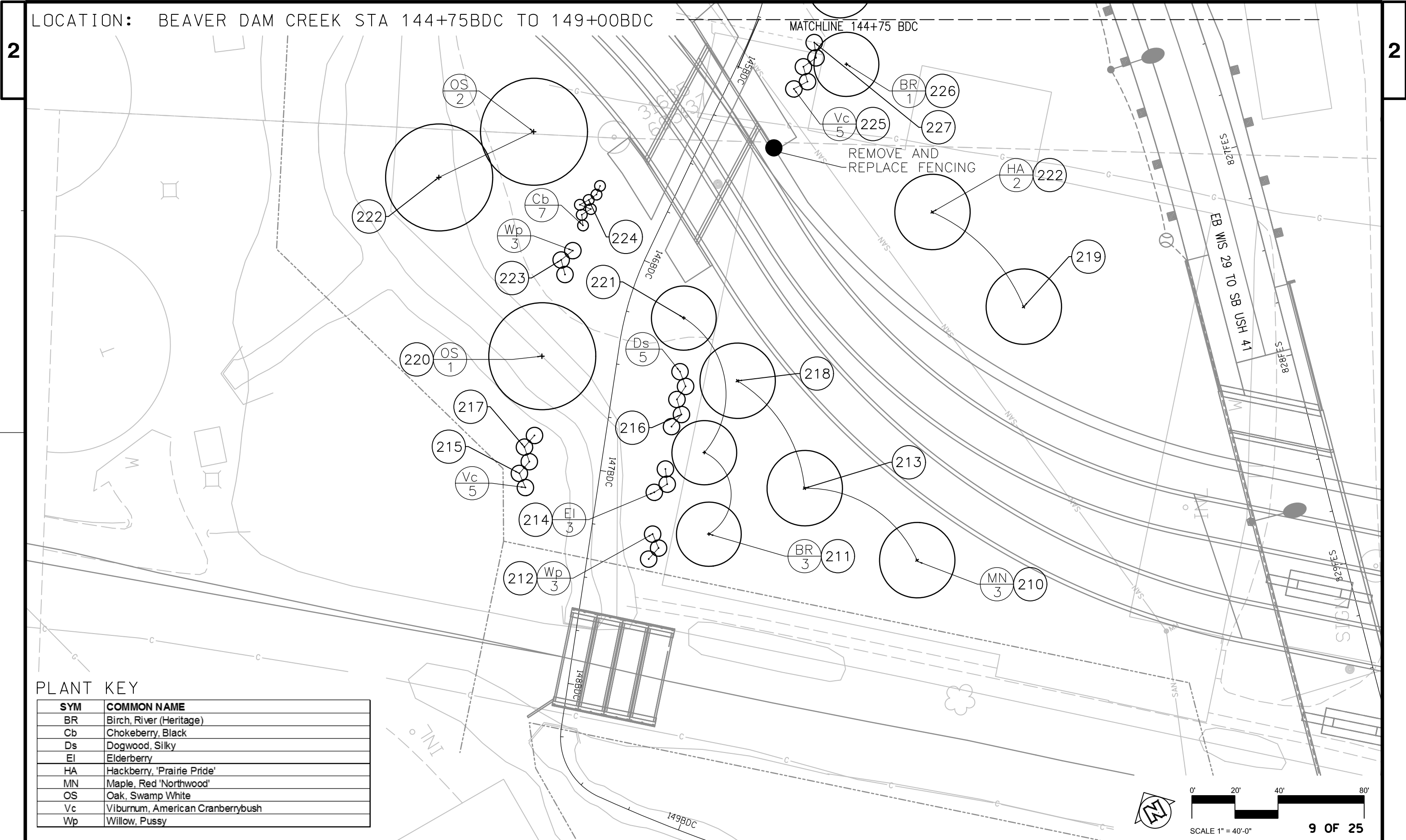
LOCATION: WIS 29 STA 796+75EB TO 802+75FES

MATCHLINE SHEET 4
SHEET 8



PLANT KEY

SYM	COMMON NAME
OB	Oak, Bur
Wc	Witchhazel, Common



LOCATION: BEAVER DAM CREEK STA 144+75BDC TO 149+00BDC

MATCHLINE 144+75 BDC

REMOVE AND
REPLACE FENCING

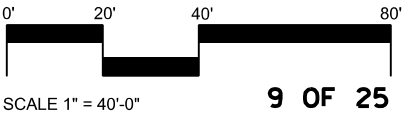
SB USH 41

EB WIS 29 TO SB USH 41

SIGN

PLANT KEY

SYM	COMMON NAME
BR	Birch, River (Heritage)
Cb	Chokeberry, Black
Ds	Dogwood, Silky
EI	Elderberry
HA	Hackberry, 'Prairie Pride'
MN	Maple, Red 'Northwood'
OS	Oak, Swamp White
Vc	Viburnum, American Cranberrybush
Wp	Willow, Pussy



SCALE 1" = 40'-0"

9 OF 25

PROJECT NO: 1133-04-73

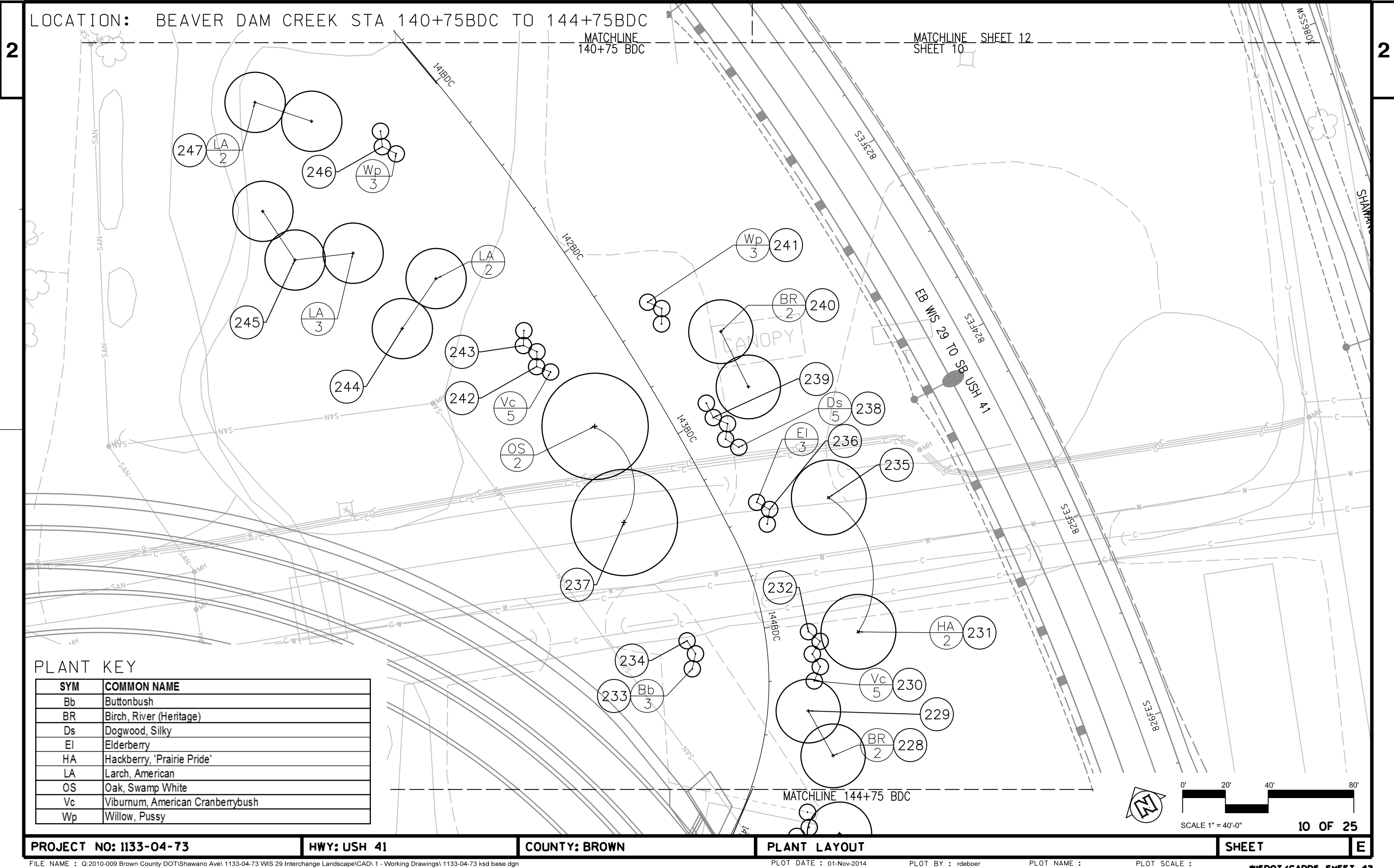
HWY: USH 41

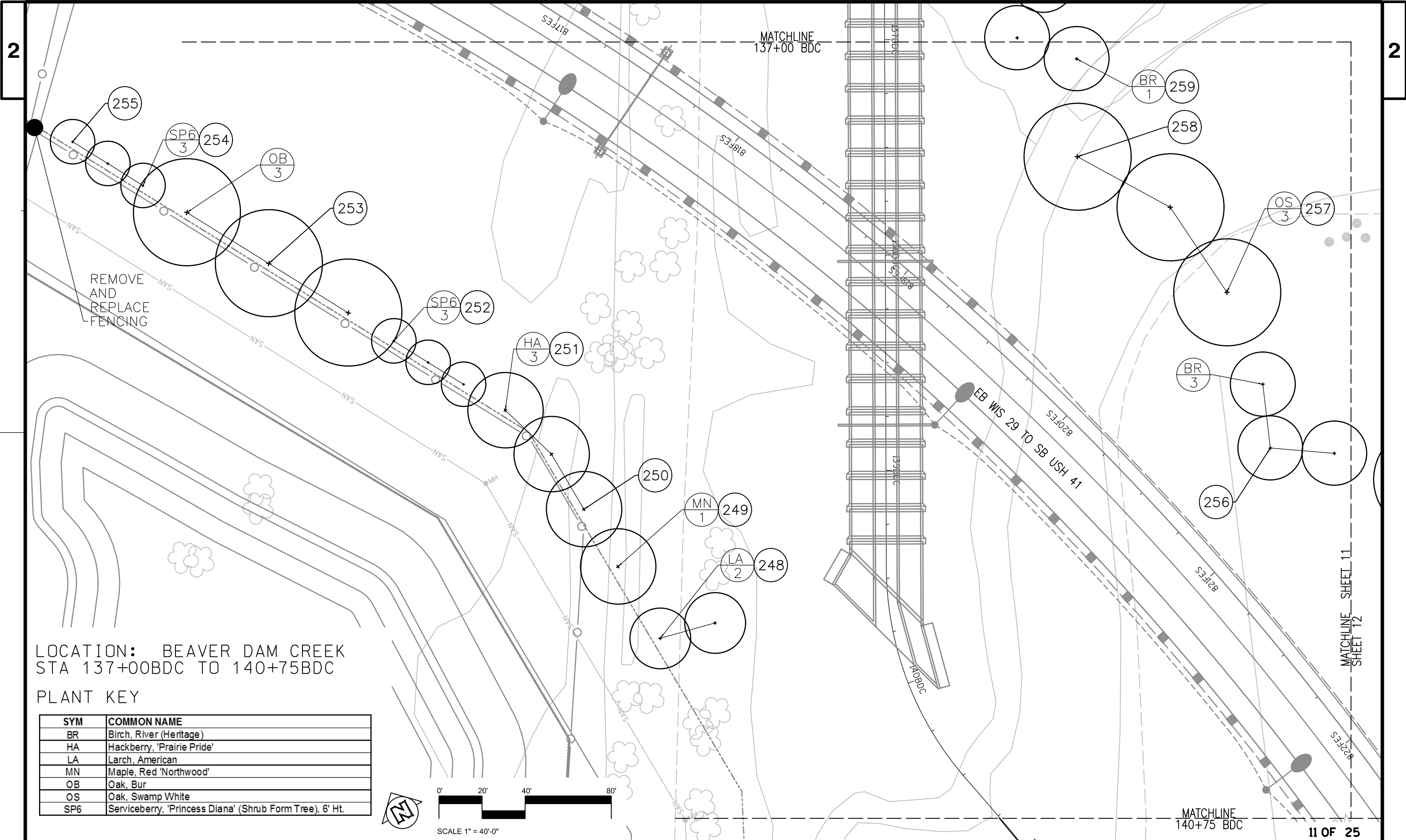
COUNTY: BROWN

PLANT LAYOUT

SHEET

E





LOCATION: BEAVER DAM CREEK
STA 137+00BDC TO 140+75BDC

PLANT KEY

SYM	COMMON NAME
BR	Birch, River (Heritage)
HA	Hackberry, 'Prairie Pride'
LA	Larch, American
MN	Maple, Red 'Northwood'
OB	Oak, Bur
OS	Oak, Swamp White
SP6	Serviceberry, 'Princess Diana' (Shrub Form Tree), 6' Ht.

SCALE 1" = 40'-0"

PROJECT NO: 1133-04-73

HWY: USH 41

COUNTY: BROWN

PLANT LAYOUT

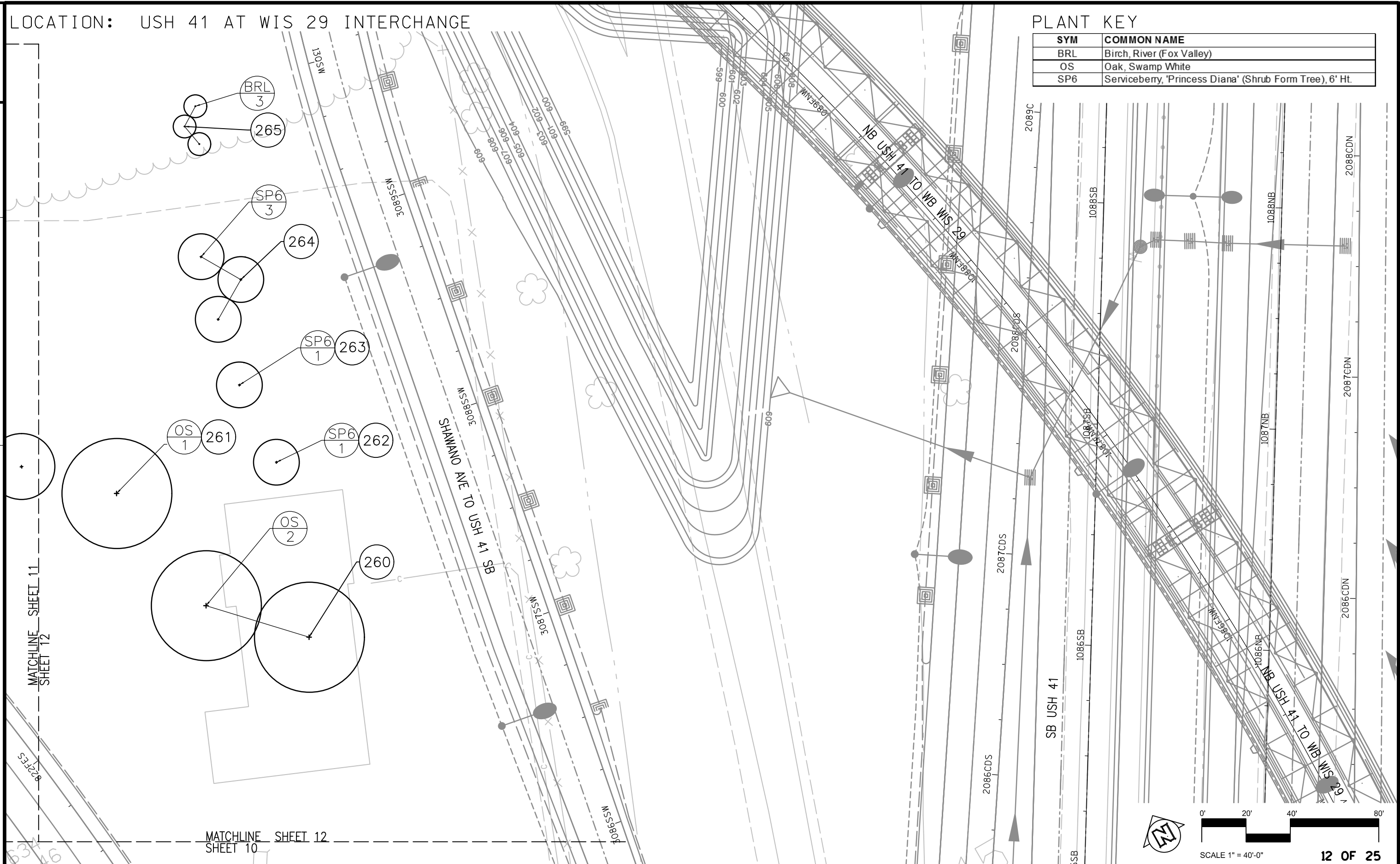
SHEET

E

LOCATION: USH 41 AT WIS 29 INTERCHANGE

PLANT KEY

SYM	COMMON NAME
BRL	Birch, River (Fox Valley)
OS	Oak, Swamp White
SP6	Serviceberry, 'Princess Diana' (Shrub Form Tree), 6' Ht.

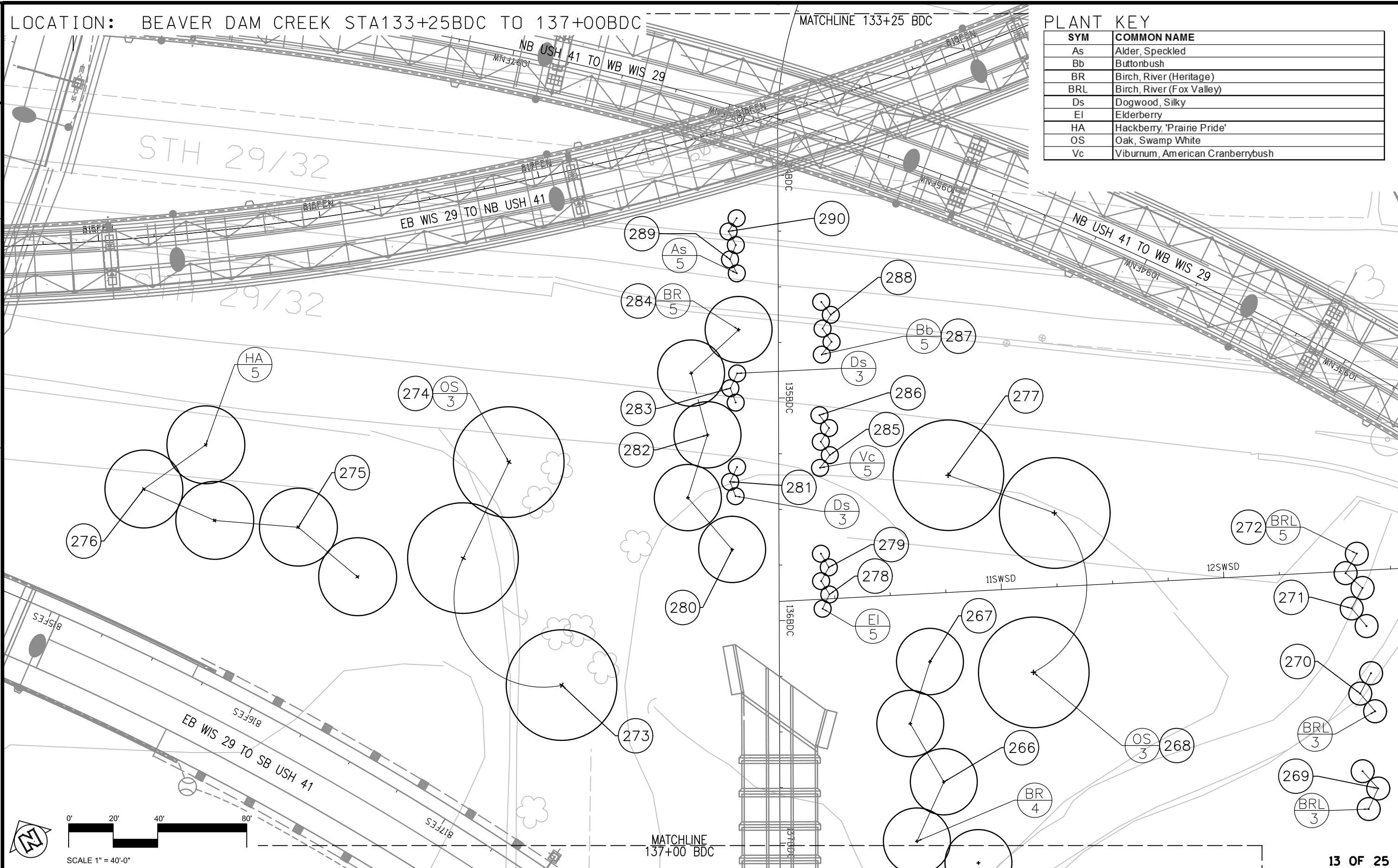


LOCATION: BEAVER DAM CREEK STA133+25BDC TO 137+00BDC

MATCHLINE 133+25 BDC

PLANT KEY

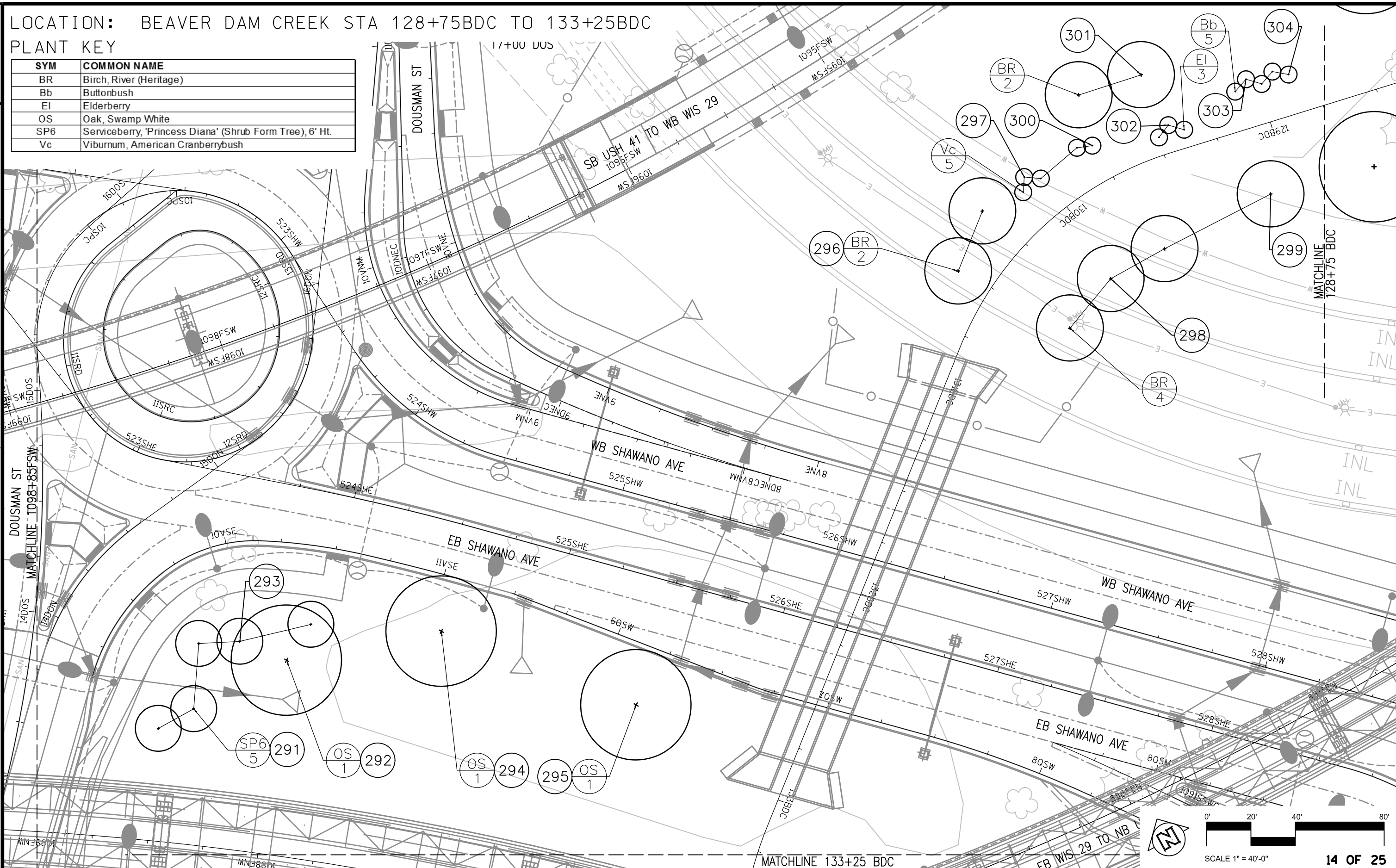
SYM	COMMON NAME
As	Alder, Speckled
Bb	Buttonbush
BR	Birch, River (Heritage)
BRL	Birch, River (Fox Valley)
Ds	Dogwood, Silky
El	Elderberry
HA	Hackberry, 'Prairie Pride'
OS	Oak, Swamp White
Vc	Viburnum, American Cranberrybush



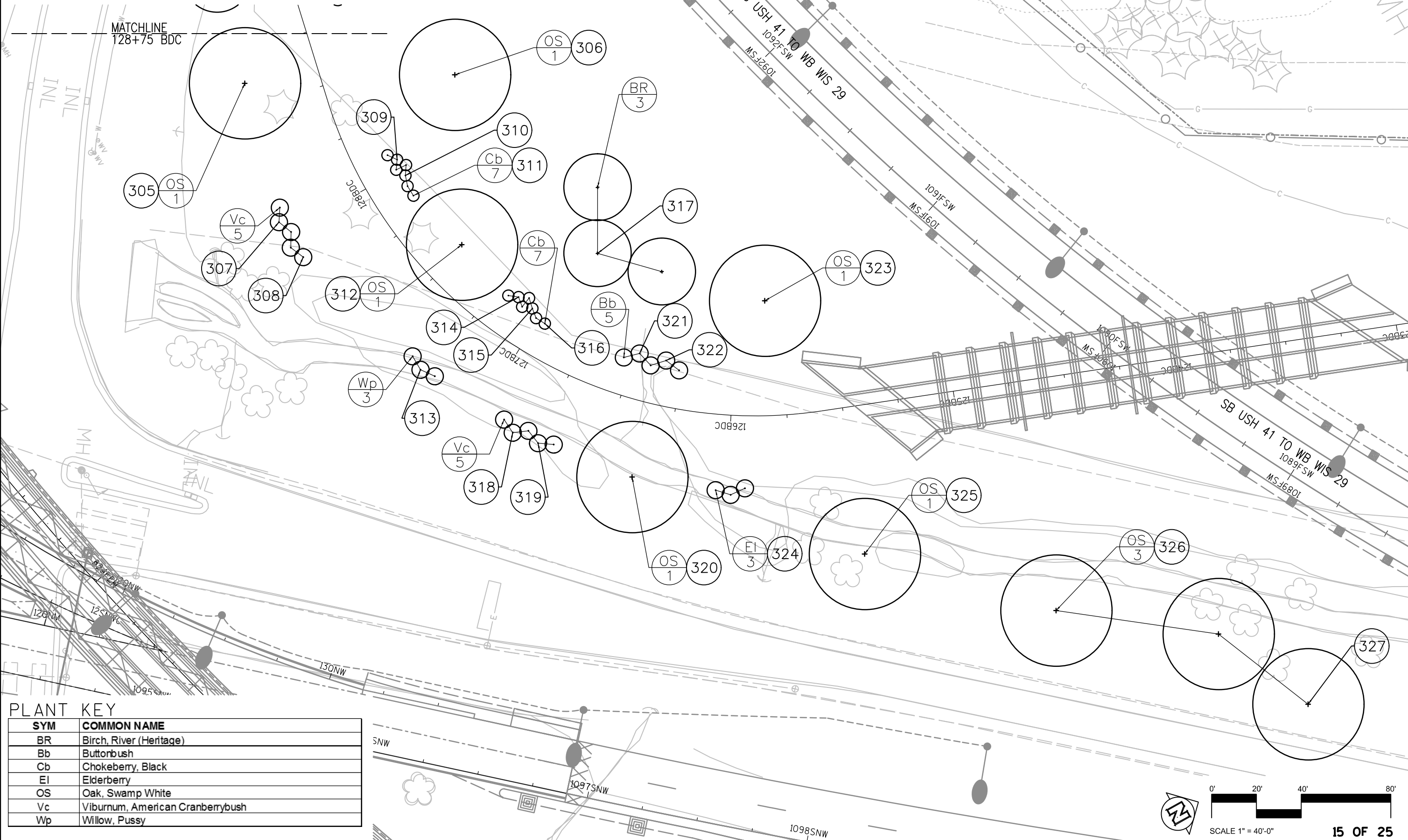
LOCATION: BEAVER DAM CREEK STA 128+75BDC TO 133+25BDC

PLANT KEY

SYM	COMMON NAME
BR	Birch, River (Heritage)
Bb	Buttonbush
EI	Elderberry
OS	Oak, Swamp White
SP6	Serviceberry, 'Princess Diana' (Shrub Form Tree), 6' Ht.
Vc	Viburnum, American Cranberrybush



LOCATION: BEAVER DAM CREEK STA 123+00BDC TO 128+75BDC



PROJECT NO: 1133-04-73

HWY: USH 41

COUNTY: BROWN

PLANT LAYOUT

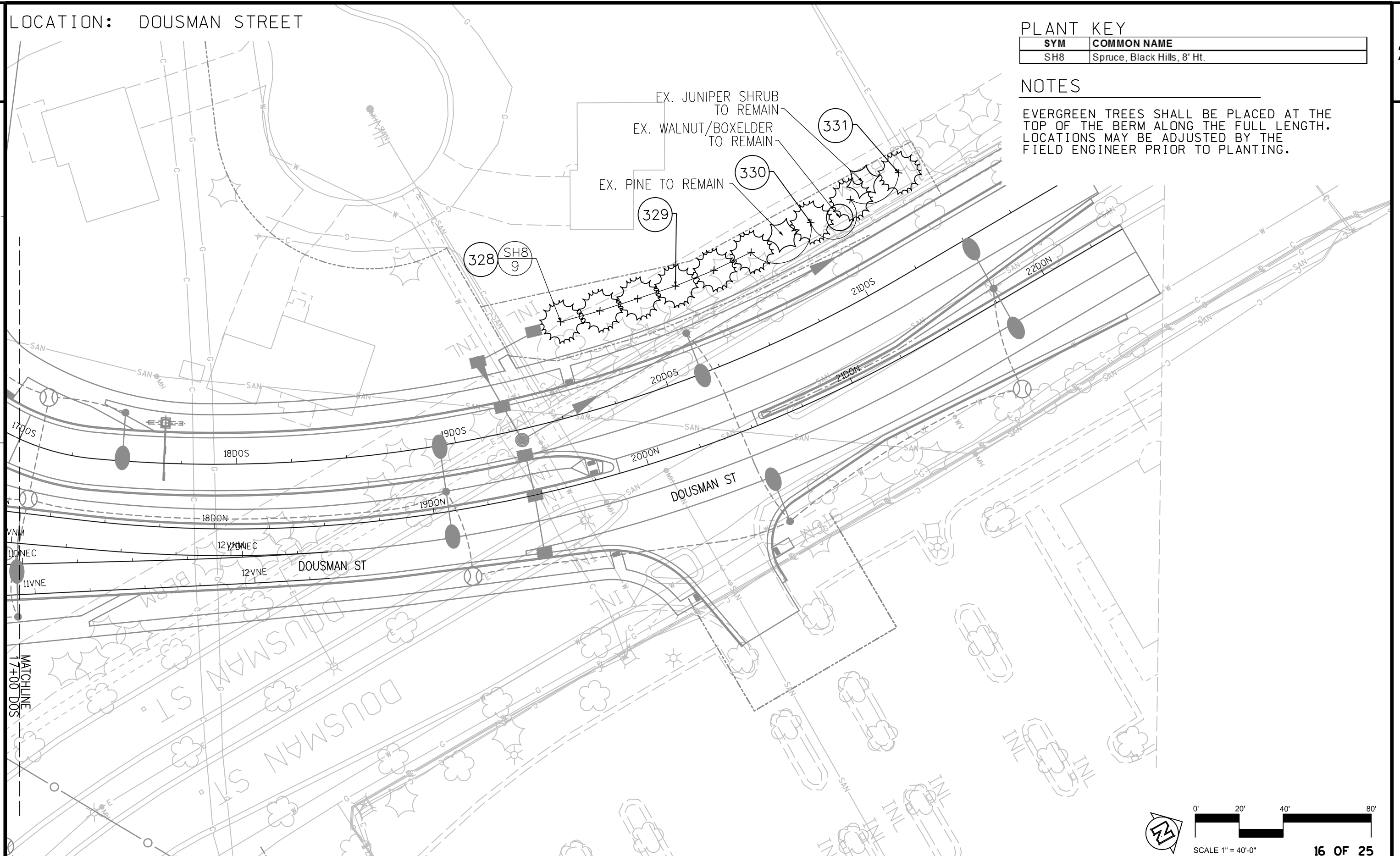
SHEET

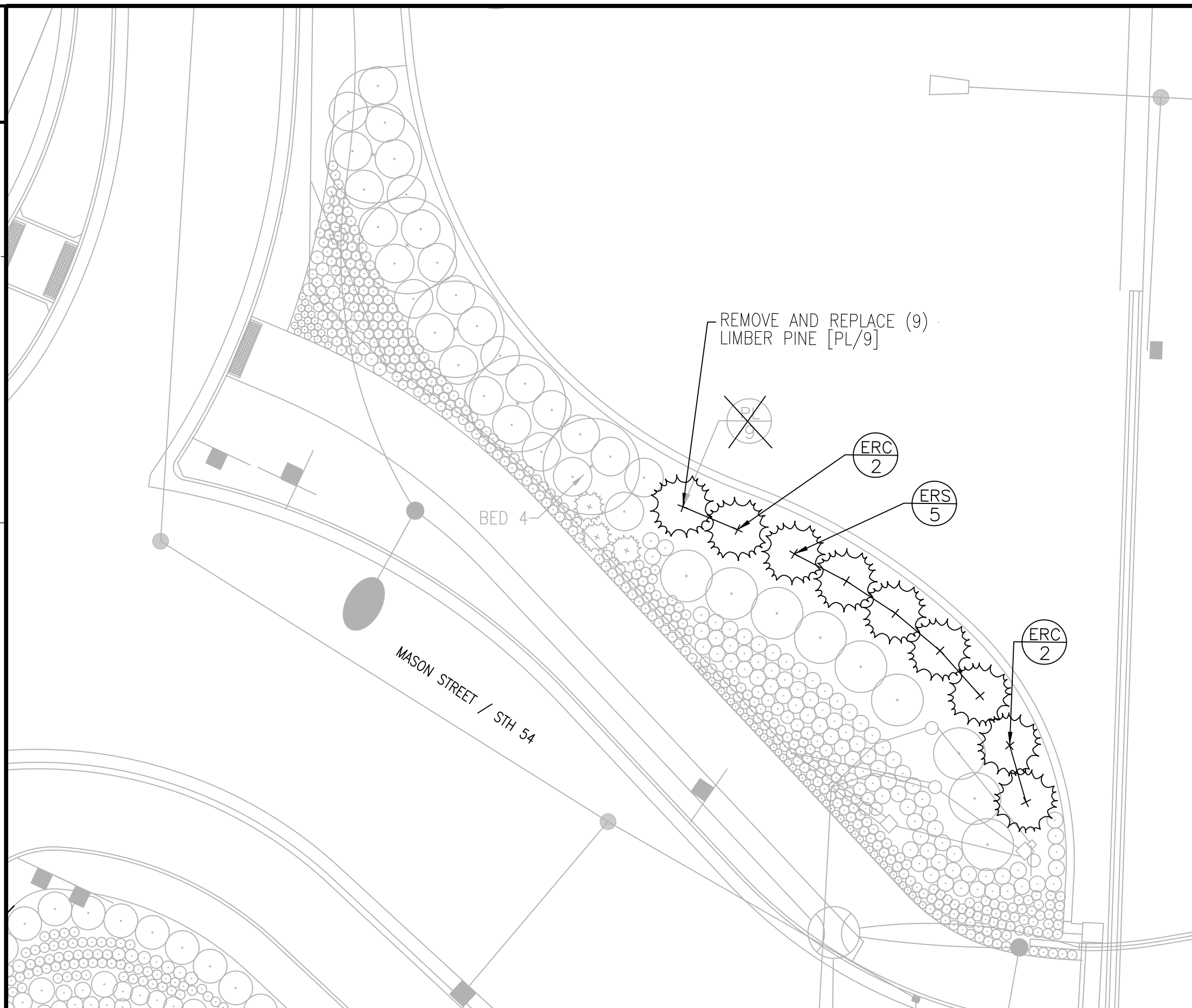
E

SYM	COMMON NAME
SH8	Spruce, Black Hills, 8' Ht.

NOTES

EVERGREEN TREES SHALL BE PLACED AT THE TOP OF THE BERM ALONG THE FULL LENGTH. LOCATIONS MAY BE ADJUSTED BY THE FIELD ENGINEER PRIOR TO PLANTING.





LEGEND

- abc
xx
- PLANT SYMBOL
QUANTITY
- EXISTING PLANT MATERIAL
- REMOVE AND REPLACE EVERGREENS

NOTES

DO NOT DISTURB EXISTING PLANT OR LANDSCAPE MATERIAL DURING REMOVAL AND REPLANTING. ANY PLANTS OR MATERIALS DAMAGED WILL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

RE-MULCH AREA DISTURBED BY REMOVAL AND REPLANTING WITH SHREDDED HARDWOOD BARK MULCH TO FORM A UNIFORM, CONTINUOUS COVER FOR THE ENTIRE AREA OF DISTURBANCE AND TO BLEND WITH ADJACENT MULCHED BED.

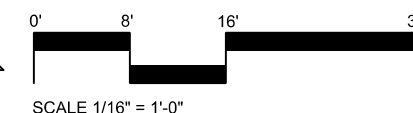
DISPOSE OF REMOVED PLANT MATERIAL PROPERLY OFF-SITE.

REMOVALS, DISPOSAL AND RE-MULCHING ARE CONSIDERED INCIDENTAL TO THE PLANTING OF THE NEW PLANT MATERIAL.

PLANT KEY

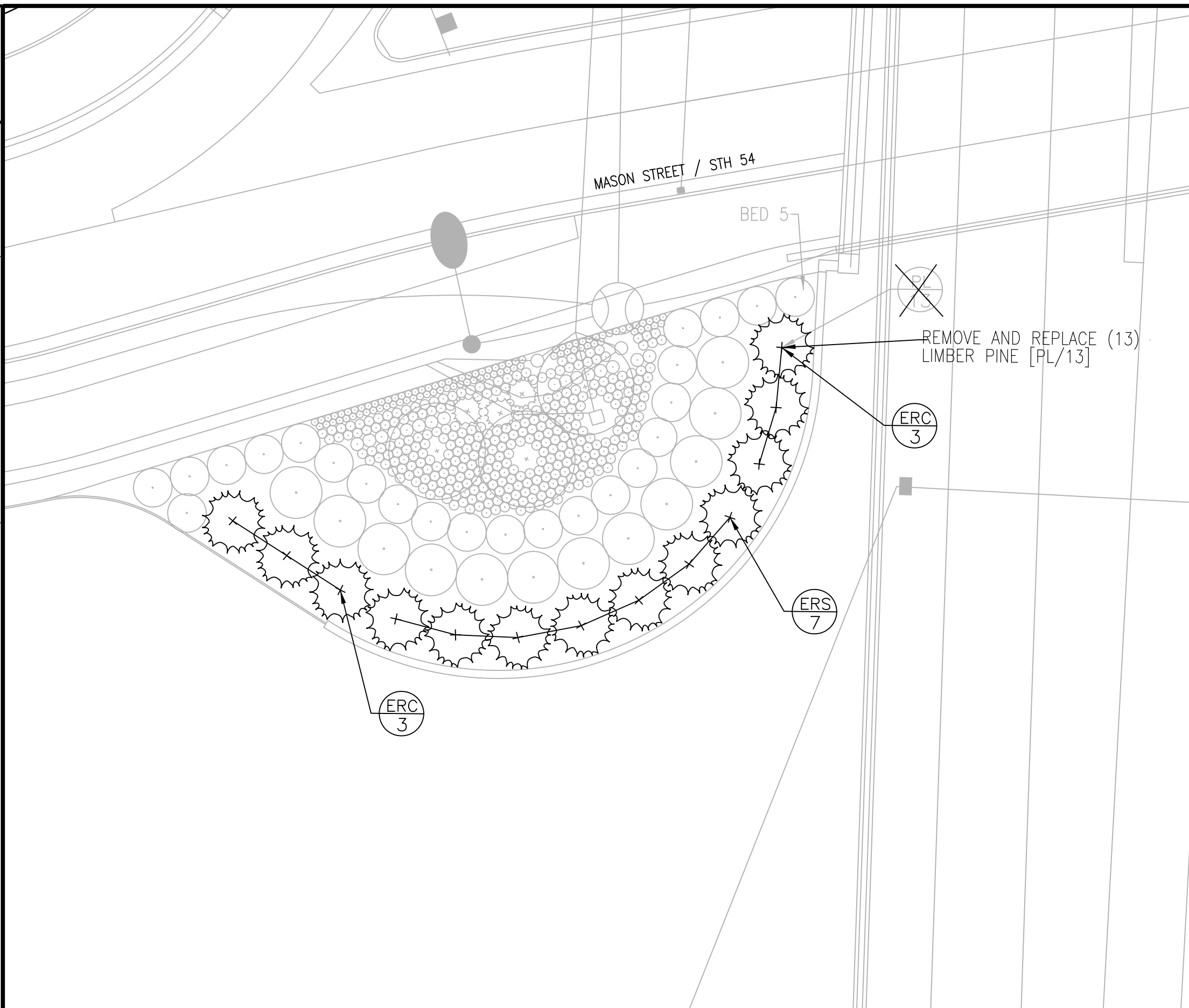
SYM	COMMON NAME
ERC	Eastern Redcedar, Canaert
ERS	Eastern Redcedar, Silver

LOCATION:
MASON ST /STH 54
NW RETAINING WALL



SCALE 1/16" = 1'-0"

17 OF 25



LEGEND

- abc
xx
- PLANT SYMBOL
QUANTITY
- EXISTING PLANT MATERIAL
- + REMOVE AND REPLACE EVERGREENS

NOTES

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RE-MULCH AREA DISTURBED BY REMOVAL AND REPLANTING WITH SHREDDED HARDWOOD BARK MULCH TO FORM A UNIFORM, CONTINUOUS COVER FOR THE ENTIRE AREA OF DISTURBANCE AND TO BLEND WITH ADJACENT MULCHED BED.

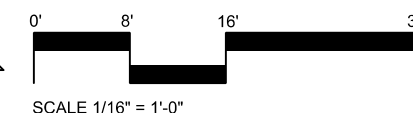
DISPOSE OF REMOVED PLANT MATERIAL PROPERLY OFF-SITE.

REMOVALS, DISPOSAL AND RE-MULCHING ARE CONSIDERED INCIDENTAL TO THE PLANTING OF THE NEW PLANT MATERIAL.

PLANT KEY

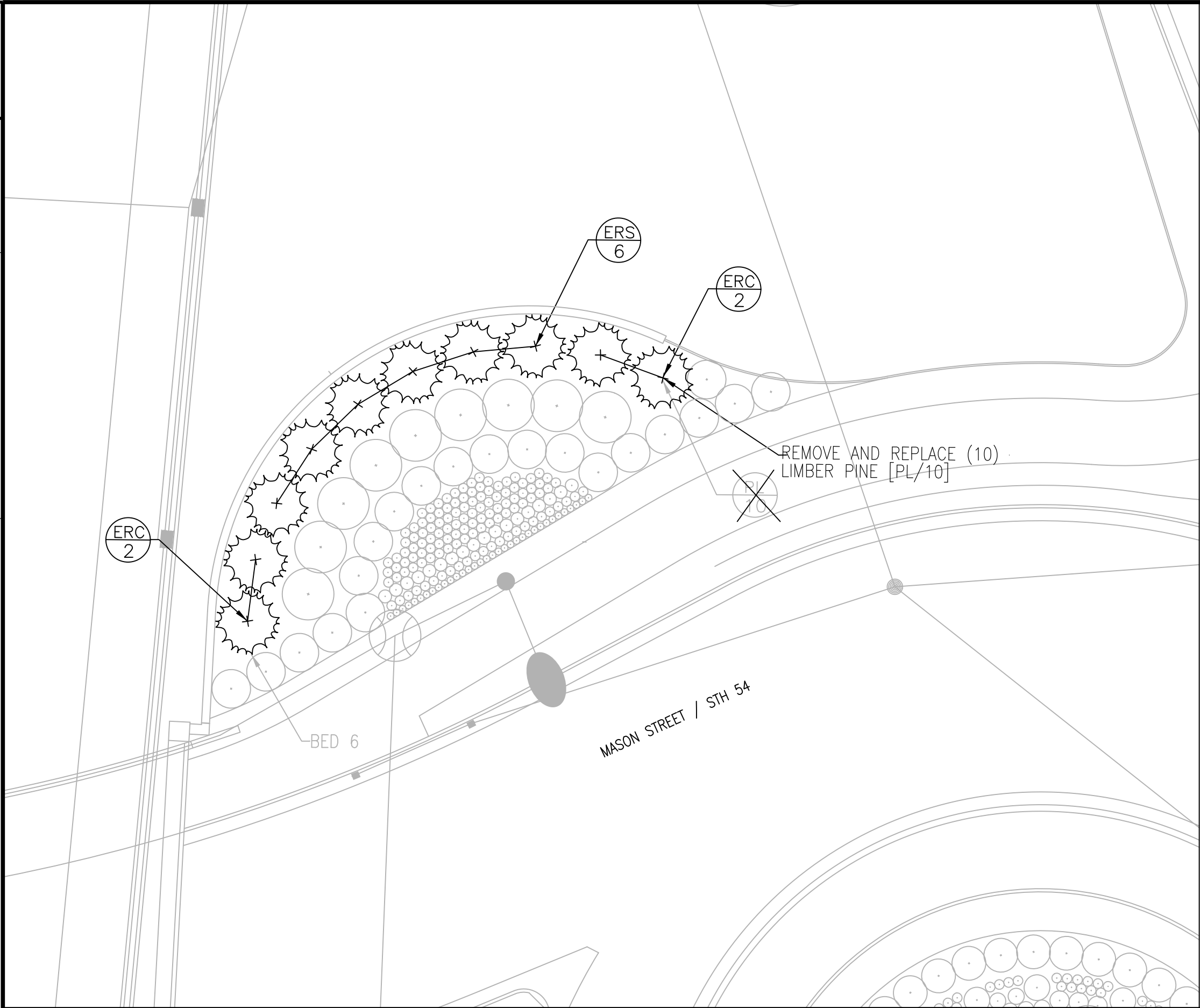
SYM	COMMON NAME
ERC	Eastern Redcedar, Canaert
ERS	Eastern Redcedar, Silver

LOCATION:
MASON ST / STH 54
SW RETAINING WALL



SCALE 1/16" = 1'-0"

18 OF 25



LEGEND

- PLANT SYMBOL
QUANTITY
- EXISTING PLANT MATERIAL
- REMOVE AND REPLACE EVERGREENS

NOTES

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RE-MULCH AREA DISTURBED BY REMOVAL AND REPLANTING WITH SHREDDED HARDWOOD BARK MULCH TO FORM A UNIFORM, CONTINUOUS COVER FOR THE ENTIRE AREA OF DISTURBANCE AND TO BLEND WITH ADJACENT MULCHED BED.

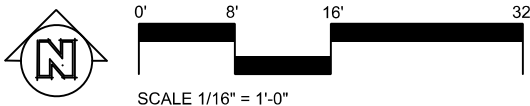
DISPOSE OF REMOVED PLANT MATERIAL PROPERLY OFF-SITE.

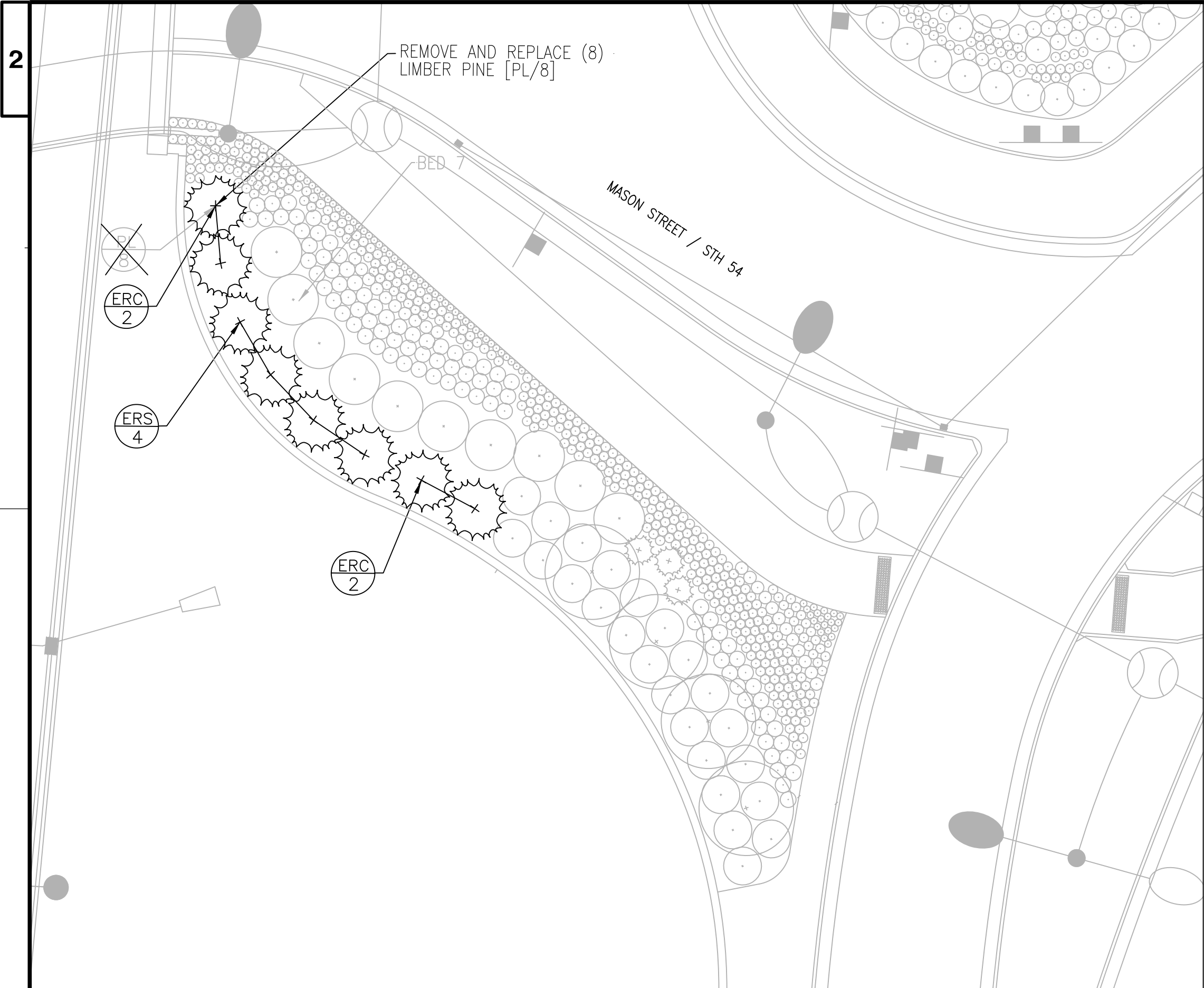
REMOVALS, DISPOSAL AND RE-MULCHING ARE CONSIDERED INCIDENTAL TO THE PLANTING OF THE NEW PLANT MATERIAL.

PLANT KEY

SYM	COMMON NAME
ERC	Eastern Redcedar, Canaert
ERS	Eastern Redcedar, Silver

LOCATION:
MASON ST / STH 54
NE RETAINING WALL





LEGEND

- abc
xx
- PLANT SYMBOL
QUANTITY
- EXISTING PLANT MATERIAL
- +
REMOVE AND REPLACE EVERGREENS

NOTES

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RE-MULCH AREA DISTURBED BY REMOVAL AND REPLANTING WITH SHREDDED HARDWOOD BARK MULCH TO FORM A UNIFORM, CONTINUOUS COVER FOR THE ENTIRE AREA OF DISTURBANCE AND TO BLEND WITH ADJACENT MULCHED BED.

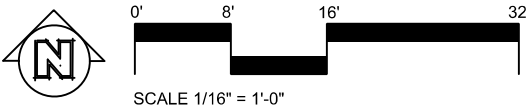
DISPOSE OF REMOVED PLANT MATERIAL PROPERLY OFF-SITE.

REMOVALS, DISPOSAL AND RE-MULCHING ARE CONSIDERED INCIDENTAL TO THE PLANTING OF THE NEW PLANT MATERIAL.

PLANT KEY

SYM	COMMON NAME
ERC	Eastern Redcedar, Canaert
ERS	Eastern Redcedar, Silver

LOCATION:
MASON ST / STH 54
SE RETAINING WALL



SCALE 1/16" = 1'-0"

20 OF 25

PLANT DATA TABLE																
Symbol	Common Name	Scientific Name	Type	Average Mature Height	Size When Planted	Root Zone	Minimum Size					Brace Or	Fertilizer Units	Rodent Protection	Mulch Ring	Plant Bed
							Ball/Pot		Root	Plant Hole		Guy	Required	Required	Required	Detail
							Diameter	Depth	Spread	Diameter	Depth					
	Canopy Trees															
BR	Birch, River, 'Heritage'	Betula nigra 'Cully'	1T	40-50' Ht.	6' Ht.	B&B	18"	12"		42"	12"	See SPV	4	Yes	*	-----
CK	Coffeetree, Kentucky 'Espresso'	Gymnocladis dioica 'Espresso'	1T	50' Ht.	2" Cal.	B&B	28"	17"	-----	52"	17"	See SPV	4	Yes	*	-----
EA	Elm, Accolade	Ulmus x 'Morton'	1T	25-50' Ht.	2 1/2" Cal.	B&B	28"	17"	-----	52"	17"	See SPV	6	Yes	*	-----
HA	Hackberry, 'Prairie Pride'	Celtis occidentalis 'Prairie Pride'	1T	40-55' Ht.	2 1/2" Cal.	B&B	28"	17"	-----	52"	17"	See SPV	6	Yes	*	-----
HT	Honeylocust, Thornless 'Imperial'	Gleditsia triacanthos var. inermis 'Imperial'	1T	30-35' Ht.	2 1/2" Cal.	B&B	28"	17"	-----	52"	17"	See SPV	6	Yes	*	-----
LA	Larch, American	Larix laricina	1T	50-80' Ht.	6' Ht.	B&B	28"	17"	-----	52"	17"	See SPV	4	Yes	*	-----
MF	Maple, Freeman 'Sienna Glen'	Acer x freemanii 'Sienna Glen'	1T	45-50' Ht.	2 1/2" Cal.	B&B	28"	17"	-----	52"	17"	See SPV	6	Yes	*	-----
MN	Maple, Red 'Northwood'	Acer rubrum 'Northwood'	1T	40-60' Ht.	2" Cal.	B&B	28"	17"	-----	52"	17"	See SPV	4	Yes	*	-----
OB	Oak, Bur	Quercus macrocarpa	1T	60-80' Ht.	2" Cal.	B&B	24"	14"	-----	48"	14"	See SPV	4	Yes	*	-----
OS	Oak, Swamp White	Quercus bicolor	1T	50-60' Ht.	2" Cal.	B&B	24"	14"	-----	48"	14"	See SPV	4	Yes	*	-----
	Deciduous Ornamental Trees															
BRL	Birch, River, 'Fox Valley'	Betula nigra 'Little King'	3T	8-10' Ht.	4' Ht.	B&B	16"	10"		40"	10"	See SPV	4	Yes	*	-----
DC1	Dogwood, Corneliancherry 'Golden Glory' (Shrub Form Tree)	Cornus mas 'Golden Glory' (Shrub Form Tree)	3T	20-25' Ht.	4' Ht.	B&B	18"	12"	-----	42"	12"	See SPV	4	Yes	*	-----
HC1	Hawthorn, Cockspur Thornless (Shrub Form Tree)	Crataegus crus-galli var. inermis (Shrub Form Tree)	4T	20-30' Ht.	6' Ht.	B&B	18"	12"		42"	12"	See SPV	4	Yes	*	-----
MT	Maple, Tatarian	Acer tataricum	3T	15-20' Ht.	2" Cal.	B&B	24"	14"	-----	48"	14"	See SPV	4	Yes	*	-----
SP6	Serviceberry, 'Princess Diana' (Shrub Form Tree), 6' Ht.	Amelanchier x grandiflora 'Princess Diana' (Shrub Form Tree)	3T	20-25' Ht.	6' Ht.	B&B	18"	12"		42"	12"	See SPV	4	Yes	*	-----
VB	Vibumum, Blackhaw 'Forest Rouge' (Shrub Form Tree)	Viburnum prunifolium 'McKRouge' (Shrub Form Tree)	4T	12-15' Ht.	6' Ht.	B&B	18"	12"		42"	12"	See SPV	4	Yes	*	-----
WA	Wayfaring Ash	Ptelea trifoliata	4T	15-20' Ht.	5' Ht.	B&B	16"	10"	-----	40"	10"	See SPV	4	Yes	*	-----
	Evergreens															
ER6	Eastern Redcedar, Hill Dundee, 6' Ht.	Juniperus virginiana 'Hillii'	6E	15-20'Ht.	6' Ht.	B&B	22"	13"	-----	46"	13"	See SPV	4	No	*	-----
SH6	Spruce, Black Hills, 6' Ht.	Picea glauca var. densata	4E	40' Ht.	6' Ht.	B&B	22"	13"	-----	46"	13"	See SPV	4	No	*	-----
SH8	Spruce, Black Hills, 8' Ht.	Picea glauca var. densata	4E	40' Ht.	8' Ht.	B&B	27"	16"	-----	51"	16"	See SPV	4	No	*	-----
	Deciduous Ornamental Shrubs															
As	Alder, Speckled	Alnus rugosa	2S	15-20' Ht.	3' Ht./ # 5	CONT	20"	15"	-----	36"	15"	-----	3	No	*	-----
Bb	Buttonbush	Cephalanthus occidentalis	3S	6-8' Ht.	3' Ht./ # 5	CONT	20"	15"	-----	36"	15"	-----	3	No	*	-----
Cb	Chokeberry, Black	Aronia melanocarpa	2S	5-7' Ht.	3' Ht./ # 5	CONT	20"	15"	-----	36"	15"	-----	3	No	*	-----
Ds	Dogwood, Silky	Cornus amomum	3S	8' Ht.	3' Ht./ # 5	CONT	20"	15"	-----	36"	15"	-----	3	No	*	-----
EI	Elderberry	Sambucus canadensis	3S	5-12' Ht.	3' Ht./ # 5	CONT	20"	15"	-----	36"	15"	-----	3	No	*	-----
Nc	Ninebark, Common	Physocarpus opulifolius	2S	8-10' Ht.	3' Ht./ # 5	CONT	20"	15"	-----	36"	15"	-----	3	No	*	-----
Vc	Vibumum, American Cranberrybush	Viburnum trilobum	2S	10' Ht.	3' Ht./ # 5	CONT	20"	15"	-----	36"	15"	-----	3	No	*	-----
Va	Vibumum, Arrowwood (Autumn Jazz)	Viburnum dentatum 'Ralph Senior'	3S	10' Ht.	3' Ht./ # 5	CONT	20"	15"	-----	36"	15"	-----	3	No	*	-----
Wp	Willow, Pussy	Salix discolor	3S	5-15' Ht.	3' Ht./ # 5	CONT	20"	15"	-----	36"	15"	-----	3	No	*	-----
Wc	Witchhazel, Common	Hamamelis virginiana	2S	12-20' Ht.	3' Ht./ # 5	CONT	20"	15"	-----	36"	15"	-----	3	No	*	-----

* BARK MULCH RING AT BASE OF PLANT MATERIAL SHALL MATCH HOLE DIAMETER, 8'-0" DIAMETER MINIMUM PER DETAIL 1, THIS PACKAGE.

MASON STREET REPLACEMENTS

PLANT DATA TABLE																
Symbol	Common Name	Scientific Name	Type	Average Mature Height	Size When Planted	Root Zone Mode	Minimum Size					Brace Or Guy	Fertilizer Units Required	Rodent Protection Required	Mulch Ring Required	Plant Bed Detail
							Ball/Pot		Root Spread	Plant Hole						
							Diameter	Depth		Diameter	Depth					
	Evergreens															
ERC	Eastern Redcedar, Canaert	<i>Juniperus virginiana 'Canaertii'</i>	6E	20-25' Ht.	6' Ht.	B&B	22"	13"	-----	46"	13"	No	No	No	*	-----
ERS	Eastern Redcedar, Silver	<i>Juniperus virginiana 'Glauca'</i>	6E	20-25' Ht.	6' Ht.	B&B	22"	13"	-----	46"	13"	No	No	No	*	-----

* SEE NOTE REGARDING BARK MULCH ON PLAN SHEETS 17-20.

WIS 29 INTERCHANGE LANDSCAPE

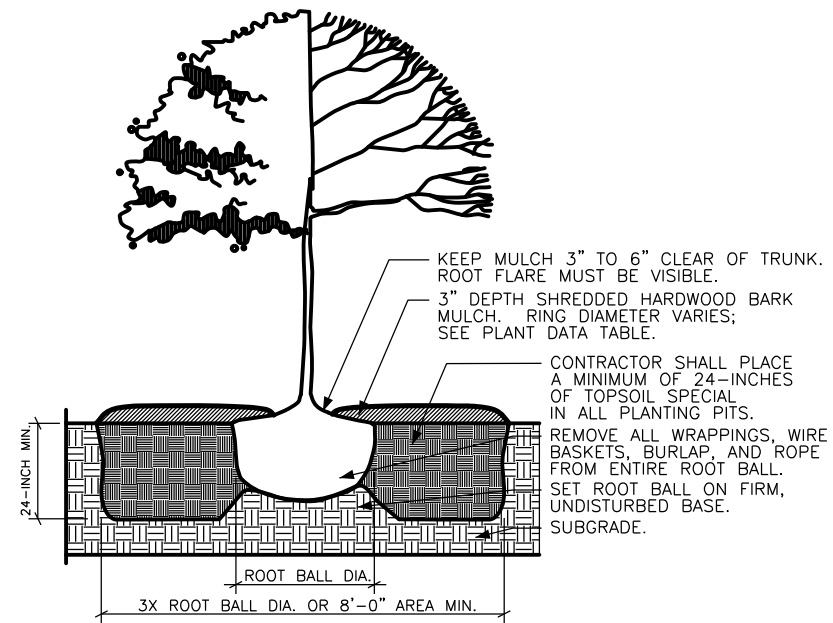
PLANT QUANTITIES TABLE

Symbol	Common Name	Scientific Name	Size When Planted	Root Zone Mode	Quantities															
					Sheet 2	Sheet 3	Sheet 4	Sheet 5	Sheet 6	Sheet 7	Sheet 8	Sheet 9	Sheet 10	Sheet 11	Sheet 12	Sheet 13	Sheet 14	Sheet 15	Sheet 16	Totals
	Canopy Trees																			
BR	Birch, River (Heritage)	Betula nigra 'Cully'	6' Ht	B&B	4							4	4	4		9	8	3		36
CK	Coffeetree, Kentucky 'Espresso'	Gymnocladis dioica 'Espresso'	2" Cal.	B&B	1															1
EA	Elm, Accolade	Ulmus x 'Morton'	2 1/2" Cal.	B&B			2	6												8
HA	Hackberry, 'Prairie Pride'	Celtis occidentalis 'Prairie Pride'	2 1/2" Cal.	B&B								2	2	3		5				12
HT	Honeylocust, Thornless 'Imperial'	Gleditsia triacanthos var. inemis 'Imperial'	2 1/2" Cal.	B&B		2	3		2											7
LA	Larch, American	Larix laricina	6' Ht	B&B	4								7	2						13
MF	Maple, Freeman 'Sienna Glen'	Acer x freemanii 'Sienna Glen'	2 1/2" Cal.	B&B		1	7	7	4	4										23
MN	Maple, Red 'Northwood'	Acer rubrum 'Northwood'	2" Cal.	B&B								3		1						4
OB	Oak, Bur	Quercus macrocarpa	2" Cal.	B&B						2	1			3						6
OS	Oak, Swamp White	Quercus bicolor	2" Cal.	B&B								3	2	3	3	6	3	9		29
	Deciduous Ornamental Trees																			
BRL	Birch, River (Fox Valley)	Betula nigra 'Little King'	4' Ht	B&B	13										3	11				27
DC1	Dogwood, Corneliancherry 'Golden Glory' (Shrub Form Tree)	Cornus mas 'Golden Glory' (Shrub Form Tree)	4' Ht	B&B		8			5											13
HC1	Hawthorn, Cockspur (Thomless) (Shrub Form Tree)	Crataegus crus-galli var. inemis (Shrub Form Tree)	6' Ht	B&B						3										3
MT	Maple, Tatarian	Acer tataricum	2" Cal.	B&B			11	9	8											28
SP6	Serviceberry, 'Princess Diana' (Shrub Form Tree), 6' Ht.	Amelanchier x grandiflora 'Princess Diana' (Shrub Form Tree)	6' Ht	B&B		3	5		3					6	5		5			27
VB	Viburnum, Blackhaw 'Forest Rouge' (Shrub Form Tree)	Viburnum prunifolium 'McKRouge' (Shrub Form Tree)	6' Ht	B&B			5	18	4											27
WA	Wayfaring Ash	Ptelea trifoliata	5' Ht	B&B	6															6
	Evergreens																			
ER6	Eastern Redcedar, Hill Dundee, 6' Ht.	Juniperus virginiana 'Hillii'	6' Ht	B&B				20												20
SH6	Spruce, Black Hills, 6' Ht.	Picea glauca var. densata	6' Ht	B&B		3	5	6	3											17
SH8	Spruce, Black Hills, 8' Ht.	Picea glauca var. densata	8' Ht	B&B			1		6										9	16
	Deciduous Ornamental Shrubs																			
As	Alder, Speckled	Alnus rugosa	3' Ht./ # 5	CONT												5				5
Bb	Buttonbush	Cephalanthus occidentalis	3' Ht./ # 5	CONT									3			5	5	5		18
Cb	Chokeberry, Black	Aronia melanocarpa	3' Ht./ # 5	CONT								7						14		21
Ds	Dogwood, Silky	Cornus amomum	3' Ht./ # 5	CONT								5	5			6				16
EI	Elderberry	Sambucus canadensis	3' Ht./ # 5	CONT								3	3			5	3	3		17
Nc	Ninebark, Common	Physocarpus opulifolius	3' Ht./ # 5	CONT	19															19
Vc	Viburnum, American Cranberrybush	Viburnum trilobum	3' Ht./ # 5	CONT								10	10			5	5	10		40
Va	Viburnum, Arrowwood (Autumn Jazz)	Viburnum dentatum 'Ralph Senior'	3' Ht./ # 5	CONT						9										9
Wp	Willow, Pussy	Salix discolor	3' Ht./ # 5	CONT								6	6					3		15
Wc	Witchhazel, Common	Hamamelis virginiana	3' Ht./ #5	CONT	6						2									8

MASON STREET REPLACEMENTS

PLANT QUANTITIES TABLE

Symbol	Common Name	Scientific Name	Size When Planted	Root Zone Mode	Quantities				
					Sheet 17	Sheet 18	Sheet 19	Sheet 20	Totals
	Evergreens								
ERC	Eastern Redcedar, Canaert	Juniperus virginiana 'Canaerti'	6' Ht	B&B	4	6	4	4	18
ERS	Eastern Redcedar, Silver	Juniperus virginiana 'Glaucia'	6' Ht	B&B	5	7	6	4	22



① TREE / SHRUB
PLANTING DETAIL

DETAIL
NOT TO SCALE

LOCATION: WIS 29, PACKERLAND DRIVE TO USH 41

SHEET 2		
POINT	STATION	OFFSET
100	785+52.28'PNW'	42.8
101	785+36.32'PNW'	72.6
102	786+16.73'WB'	-81.7
103	786+69.08'WB'	-84.6
104	787+42.21'WB'	-87.0
105	787+98.74'WB'	-90.7
106	788+45.04'WB'	-92.5
107	788+62.79'WB'	-93.7
108	788+89.25'WB'	-93.6
109	789+74.55'WB'	-96.3
110	790+19.80'WB'	-97.2
111	787+08.35'PNW'	43.5
112	787+63.20'PNW'	41.0
113	787+97.64'PNW'	38.6
114	788+31.08'PNW'	39.2
115	788+72.29'PNW'	39.0
116	788+91.83'PNW'	38.4
117	789+12.10'PNW'	37.8
118	789+28.32'PNW'	42.3
119	789+37.79'PNW'	42.2
120	789+57.24'PNW'	41.1
121	789+66.00'PNW'	40.1
122	789+75.10'PNW'	40.2
123	789+87.80'PNW'	42.1
124	790+00.48'PNW'	39.2
125	790+12.04'PNW'	40.9
126	790+33.11'PNW'	32.6
127	790+52.32'PNW'	34.0
128	790+78.55'PNW'	43.4

SHEET 3		
POINT	STATION	OFFSET
129	793+19.14'WB'	-58.4
130	502+51.82'SHE'	46.5
131	503+47.82'SHE'	46.5
132	794+52.23'WB'	-51.4
133	795+36.48'WB'	-50.5
134	796+13.77'WB'	-61.5

SHEET 4		
POINT	STATION	OFFSET
135	504+47.82'SHE'	46.5
136	505+47.82'SHE'	46.5
137	506+47.82'SHE'	46.5
138	507+47.82'SHE'	46.5
139	508+47.82'SHE'	46.5
140	509+47.82'SHE'	46.5
141	796+84.67'WB'	-65.3
142	797+56.10'WB'	-71.4
143	797+95.91'WB'	-74.9
144	798+63.00'WB'	-70.2
145	1114+94.53'FNW'	83.6
146	1114+56.97'FNW'	97.0
147	1114+03.09'FNW'	91.9
148	1113+53.38'FNW'	88.5
149	1112+99.53'FSW'	84.4
150	1112+40.86'FSW'	76.3
151	1112+18.25'FSW'	80.3
152	1111+92.14'FSW'	90.5
153	1111+64.25'FSW'	84.5
154	1111+26.18'FSW'	94.4

SHEET 5		
POINT	STATION	OFFSET
155	510+47.98'SHE'	44.8
156	511+47.86'SHE'	39.9
157	512+47.91'SHE'	35.0
158	513+47.91'SHE'	34.4
159	514+47.91'SHE'	34.5
160	515+48.12'SHE'	34.5
161	1110+84.83'FSW'	96.0
162	1110+72.39'FSW'	89.0
163	1110+62.85'FSW'	95.1
164	1109+85.89'FSW'	105.4
165	1109+47.43'FSW'	107.5
166	1108+96.95'FSW'	86.7
167	1108+72.18'FSW'	88.8
168	1108+42.72'FSW'	88.8
169	1108+23.63'FSW'	88.9
170	1107+89.05'FSW'	89.7
171	1107+78.88'FSW'	93.8
172	1107+55.93'FSW'	89.1
173	1107+28.24'FSW'	86.7
174	1106+98.93'FSW'	92.9
175	1106+65.76'FSW'	85.2
176	1106+40.43'FSW'	94.1
177	1105+93.71'FSW'	89.8
178	1105+41.67'FSW'	84.0
179	1105+30.59'FSW'	90.0
180	1105+11.08'FSW'	89.2
181	1105+00.92'FSW'	84.1
182	515+98.99'SHE'	34.5

SHEET 6		
POINT	STATION	OFFSET
183	516+49.41'SHE'	34.5
184	517+50.75'SHE'	34.5
185	518+52.08'SHE'	34.5
186	519+02.74'SHE'	34.5
187	1104+74.77'FSW'	83.8
188	1104+50.43'FSW'	86.0
189	1103+90.11'FSW'	84.6
190	1103+55.72'FSW'	89.0
191	1102+88.00'FSW'	88.7
192	1102+26.70'FSW'	81.4
193	1101+62.87'FSW'	75.5
194	1101+41.32'FSW'	57.8
195	1099+93.34'FSW'	60.6
196	1099+51.92'FSW'	-40.0
197	1099+83.59'FSW'	-51.0
198	1099+95.38'FSW'	-40.2
199	1100+25.91'FSW'	-45.6

SHEET 7		
POINT	STATION	OFFSET
200	792+18.70'EB'	84.0
201	792+59.09'EB'	108.1
202	793+15.41'EB'	152.9
203	793+17.16'EB'	187.3
204	793+25.36'EB'	119.9
205	793+34.54'EB'	105.2
206	795+52.72'EB'	124.7
207	796+46.79'EB'	124.5

SHEET 8		
POINT	STATION	OFFSET
208	796+93.34'EB'	124.4
209	797+26.28'EB'	124.3

SHEET 9		
POINT	STATION	OFFSET
210	828+48.90'FES'	192.5
211	828+12.93'FES'	283.0
212	828+06.42'FES'	308.3
213	828+03.48'FES'	234.7
214	827+87.83'FES'	302.7
215	827+63.67'FES'	361.1
216	827+56.00'FES'	281.4
217	827+52.43'FES'	355.8
218	827+38.13'FES'	252.4
219	827+38.13'FES'	337.3
220	827+12.77'FES'	268.8
221	827+07.82'FES'	144.6
222	826+86.16'FES'	315.8
223	826+60.84'FES'	294.5
224	826+27.00'FES'	287.3
225	826+08.70'FES'	187.7
226	826+02.73'FES'	160.6
227	825+85.08'FES'	171.0

LOCATION: WIS 29, PACKERLAND DRIVE TO USH 41

SHEET 10		
POINT	STATION	OFFSET
228	825+61.87'FES'	150.2
229	825+35.32'FES'	152.9
230	825+23.50'FES'	144.9
231	825+10.40'FES'	117.1
232	825+01.24'FES'	138.4
233	824+89.00'FES'	194.5
234	824+76.09'FES'	191.2
235	824+39.58'FES'	102.2
236	824+31.98'FES'	129.2
237	824+02.88'FES'	192.2
238	823+94.85'FES'	128.2
239	823+76.87'FES'	131.9
240	823+39.52'FES'	108.4
241	823+07.64'FES'	130.2
242	823+05.38'FES'	190.2
243	822+90.23'FES'	190.0
244	822+43.96'FES'	232.4
245	821+84.82'FES'	256.0
246	821+58.91'FES'	188.7
247	821+01.51'FES'	221.4

SHEET 11		
POINT	STATION	OFFSET
248	819+32.46'FES'	204.9
249	818+84.83'FES'	191.9
250	818+48.97'FES'	181.3
251	817+85.91'FES'	166.4
252	817+15.79'FES'	168.8
253	816+38.28'FES'	167.9
254	815+60.65'FES'	163.1
255	815+16.52'FES'	158.7
256	820+74.20'FES'	-57.7
257	820+13.60'FES'	-92.8
258	819+23.21'FES'	-91.3
259	818+96.04'FES'	-125.4

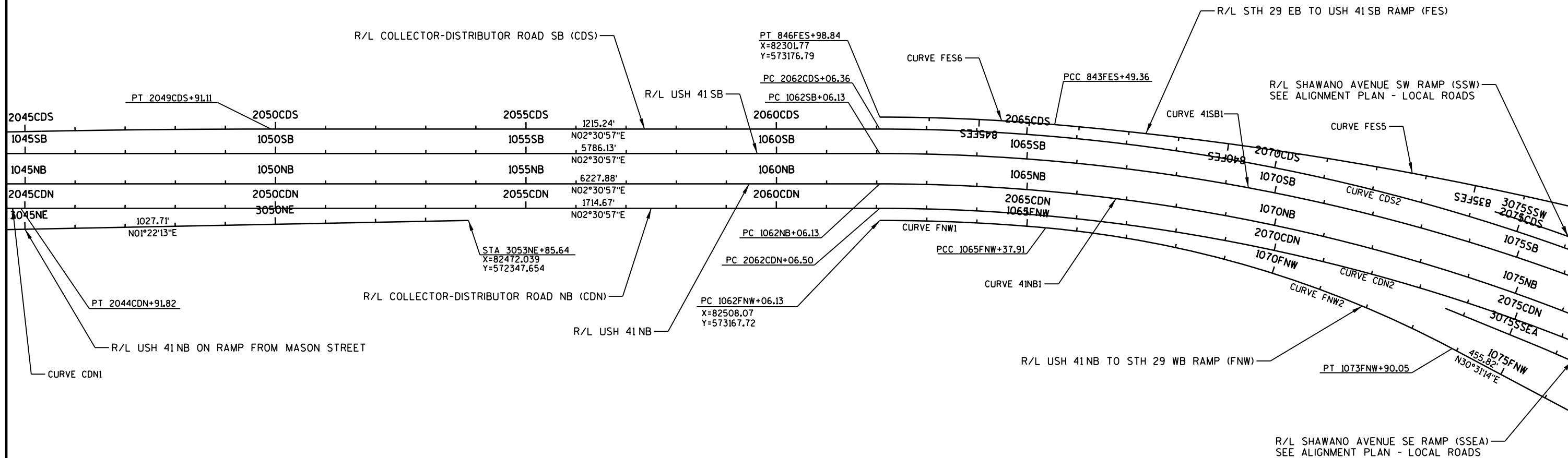
SHEET 12		
POINT	STATION	OFFSET
260	822+26.35'FES'	-131.6
261	821+29.90'FES'	-102.9
262	3088+04.19'SSW'	-94.4
263	3088+42.65'SSW'	-98.8
264	3088+87.47'SSW'	-82.7
265	3089+54.76'SSW'	-86.4

SHEET 13		
POINT	STATION	OFFSET
266	818+64.03'FES'	-143.7
267	818+29.83'FES'	-182.3
268	818+64.39'FES'	-207.3
269	3090+12.19'SSW'	-86.3
270	3090+50.83'SSW'	-87.9
271	3090+85.07'SSW'	-88.0
272	3091+06.85'SSW'	-84.3
273	817+11.66'FES'	-78.8
274	816+45.19'FES'	-152.3
275	815+81.20'FES'	-81.6
276	815+14.86'FES'	-67.0
277	1094+44.84'FNW'	-124.7
278	817+81.89'FES'	-179.8
279	817+75.49'FES'	-189.6
280	817+39.91'FES'	-171.6
281	1095+46.17'FNW'	-161.9
282	1095+64.45'FNW'	-145.1
283	1095+60.74'FNW'	-121.9
284	1095+65.56'FNW'	-95.8
285	1095+03.22'FNW'	-135.7
286	1095+14.84'FNW'	-120.5
287	1095+23.65'FNW'	-94.5
288	1095+25.91'FNW'	-76.3
289	1095+79.53'FNW'	-66.8
290	1095+84.02'FNW'	-54.9

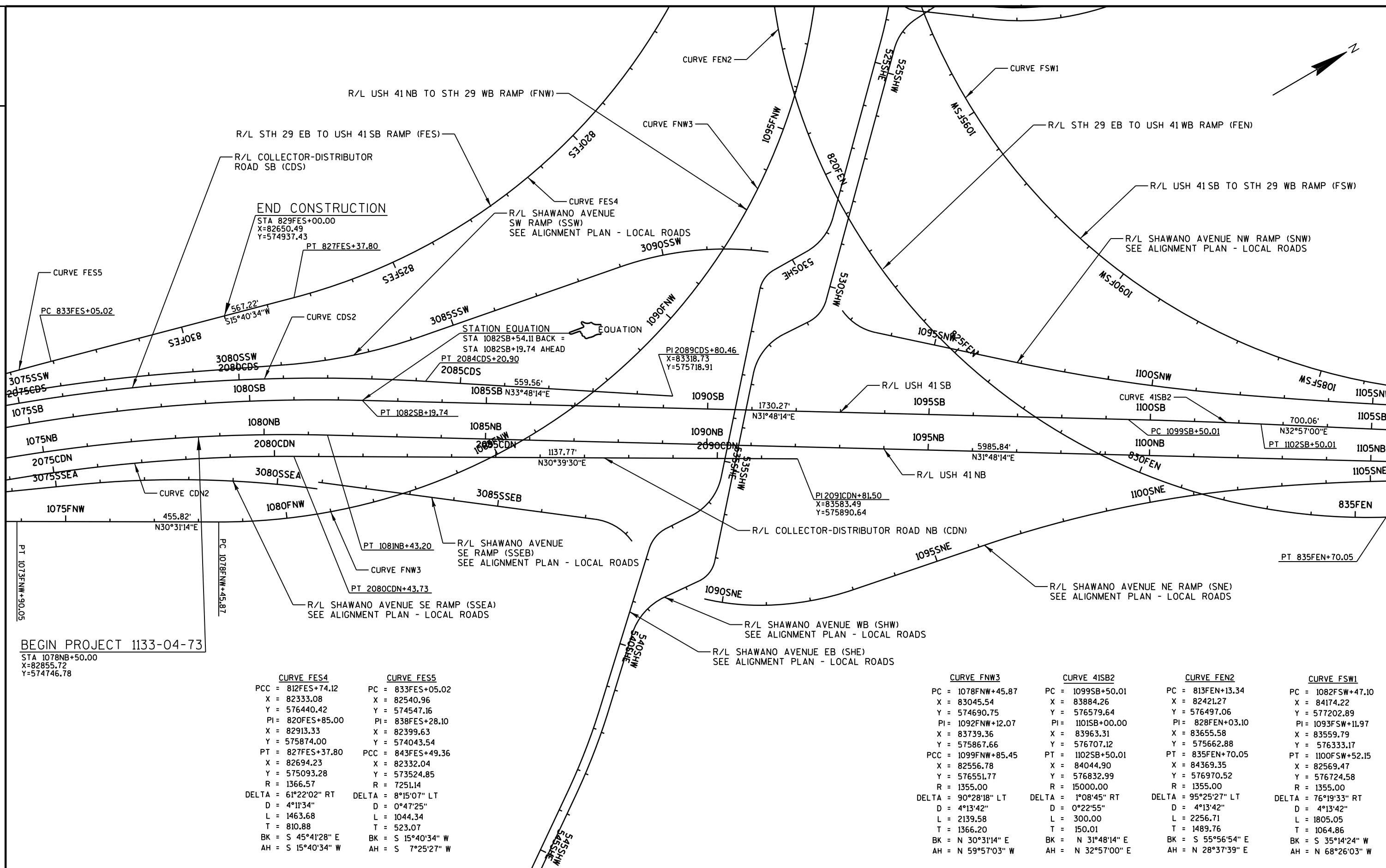
SHEET 14		
POINT	STATION	OFFSET
291	1098+35.81'FNW'	61.1
292	1097+98.97'FNW'	87.8
293	1098+19.56'FNW'	93.6
294	1097+36.79'FNW'	111.7
295	1096+50.71'FNW'	97.9
296	1094+98.56'FSW'	-114.0
297	1094+54.01'FSW'	-94.6
298	1094+47.89'FSW'	-154.4
299	1093+75.69'FSW'	-165.4
300	1094+22.95'FSW'	-100.4
301	1093+88.87'FSW'	-87.4
302	1093+92.24'FSW'	-112.9
303	1093+55.05'FSW'	-117.7
304	1093+40.07'FSW'	-127.9

SHEET 15		
POINT	STATION	OFFSET
305	1093+36.50'FSW'	-184.4
306	1092+84.81'FSW'	-110.0
307	1092+86.49'FSW'	-212.4
308	1092+70.16'FSW'	-214.6
309	1092+74.36'FSW'	-154.3
310	1092+67.40'FSW'	-156.3
311	1092+59.24'FSW'	-159.6
312	1092+31.77'FSW'	-158.6
313	1092+07.51'FSW'	-210.5
314	1092+00.90'FSW'	-156.6
315	1091+93.79'FSW'	-155.8
316	1091+85.99'FSW'	-156.6
317	1091+90.92'FSW'	-117.8
318	1091+64.96'FSW'	-201.5
319	1091+55.02'FSW'	-197.1
320	1091+18.94'FSW'	-179.7
321	1091+50.16'FSW'	-136.8
322	1091+40.34'FSW'	-131.0
323	1091+27.01'FSW'	-81.6
324	1090+84.83'FSW'	-156.7
325	1090+28.02'FSW'	-139.2
326	1089+51.31'FSW'	-108.7
327	1088+41.71'FSW'	-83.4

SHEET 16		
POINT	STATION	OFFSET
328	19+61.26'DOS'	-42.6
329	20+19.32'DOS'	-41.4
330	20+92.39'DOS'	-41.6
331	21+40.16'DOS'	-41.5



CURVE CDN1	CURVE CDN2	CURVE FNW1	CURVE FNW2	CURVE CDS2	CURVE FES5	CURVE FES6	CURVE 4INB1	CURVE 4ISB1
PC = 2039CDN+32.04	PC = 2062CDN+06.50	PC = 1062FNW+06.13	PC = 1065FNW+37.91	PC = 2062CDS+06.36	PC = 833FES+05.02	PCC = 843FES+49.36	PC = 1062NB+06.13	PC = 1062SB+06.13
X = 82373.08	X = 82484.10	X = 82508.07	X = 82537.40	X = 82325.75	X = 82540.96	X = 573524.85	X = 82435.14	X = 82374.70
Y = 570897.15	Y = 573168.77	Y = 573167.72	Y = 573498.09	Y = 573175.75	Y = 574547.16	Y = 82332.04	Y = 573170.92	Y = 573173.58
PI= 2042CDN+11.97	PI= 2071CDN+44.04	PI= 1063FNW+72.13	PI= 1069FNW+69.74	PI= 2073CDS+41.99	PI= 838FES+28.10	PI= 845FES+24.21	PI= 1071NB+96.32	PI= 1072SB+53.01
X = 82396.54	X = 82525.25	X = 82515.36	X = 82594.75	X = 82375.60	X = 82399.63	X = 82309.45	X = 82478.61	X = 82420.66
Y = 571176.10	Y = 574105.41	Y = 573333.56	Y = 573926.09	Y = 574310.29	Y = 574043.54	Y = 573351.47	Y = 574160.16	Y = 574219.45
PT = 2044CDN+91.82	PT = 2080CDN+43.73	PCC = 1065FNW+37.91	PT = 1073FNW+90.05	PT = 2084CDS+20.90	PCC = 843FES+49.36	PT = 846FES+98.84	PT = 1081NB+43.20	PT = 1082SB+19.74
X = 82408.83	X = 83003.32	X = 82537.40	X = 82814.05	X = 83007.42	X = 82332.04	X = 82301.77	X = 83000.46	X = 82972.38
Y = 571455.75	Y = 574911.91	Y = 573498.09	Y = 574298.09	Y = 575253.94	Y = 573524.85	Y = 573176.79	Y = 575001.68	Y = 575109.15
R = 14000.00	R = 3740.46	R = 3716.51	R = 2132.99	R = 4055.35	R = 7251.14	R = 4079.54	R = 3789.47	R = 4006.43
DELTA = 2°17'27" LT	DELTA = 28°08'33" RT	DELTA = 5°06'54" RT	DELTA = 22°53'23" RT	DELTA = 31°17'17" RT	DELTA = 8°15'07" LT	DELTA = 4°54'30" LT	DELTA = 29°17'17" RT	DELTA = 29°17'17" RT
D = 0°24'33"	D = 1°31'54"	D = 1°32'30"	D = 2°41'10"	D = 1°24'46"	D = 0°47'25"	D = 1°24'16"	D = 1°30'43"	D = 1°25'48"
L = 559.78	L = 1837.23	L = 331.78	L = 852.13	L = 2214.54	L = 1044.34	L = 349.48	L = 1937.07	L = 2047.98
T = 279.93	T = 937.54	T = 166.00	T = 431.83	T = 1135.63	T = 523.07	T = 174.85	T = 990.19	T = 1046.88
BK = N 4°48'25" E	BK = N 2°30'57" E	BK = N 2°30'57" E	BK = N 7°37'51" E	BK = N 2°30'57" E	BK = S 15°40'34" W	BK = S 7°25'27" W	BK = N 2°30'57" E	BK = N 2°30'57" E
AH = N 2°30'57" E	AH = N 30°39'30" E	AH = N 7°37'51" E	AH = N 30°31'14" E	AH = N 33°48'14" E	AH = S 7°25'27" W	AH = S 2°30'57" W	AH = N 31°48'14" E	AH = N 31°48'14" E



END CONSTRUCTION

STA 829FES+00.00
X=82650.49
Y=574937.43

PT 827FES+37.80

CURVE CDS2

STATION EQUATION
STA 1082SB+54.11 BACK =
STA 1082SB+19.74 AHEAD
PT 2084CDS+20.90

EQUATION

PI 2089CDS+80.46
X=83318.73
Y=575718.91

PI 2091CDN+81.50
X=83583.49
Y=575890.64

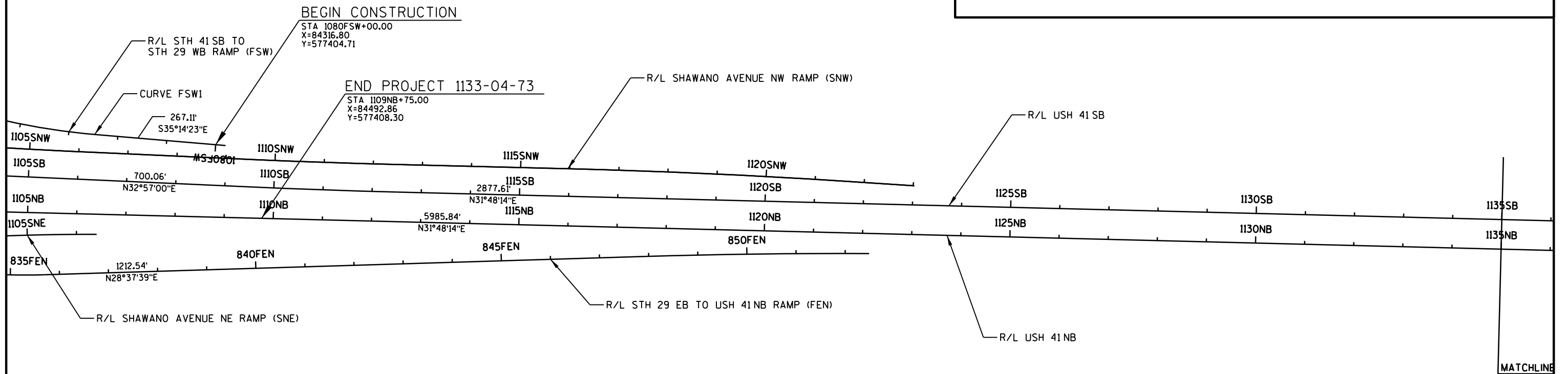
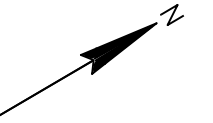
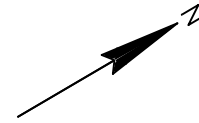
PT 835FEN+70.05

BEGIN PROJECT 1133-04-73

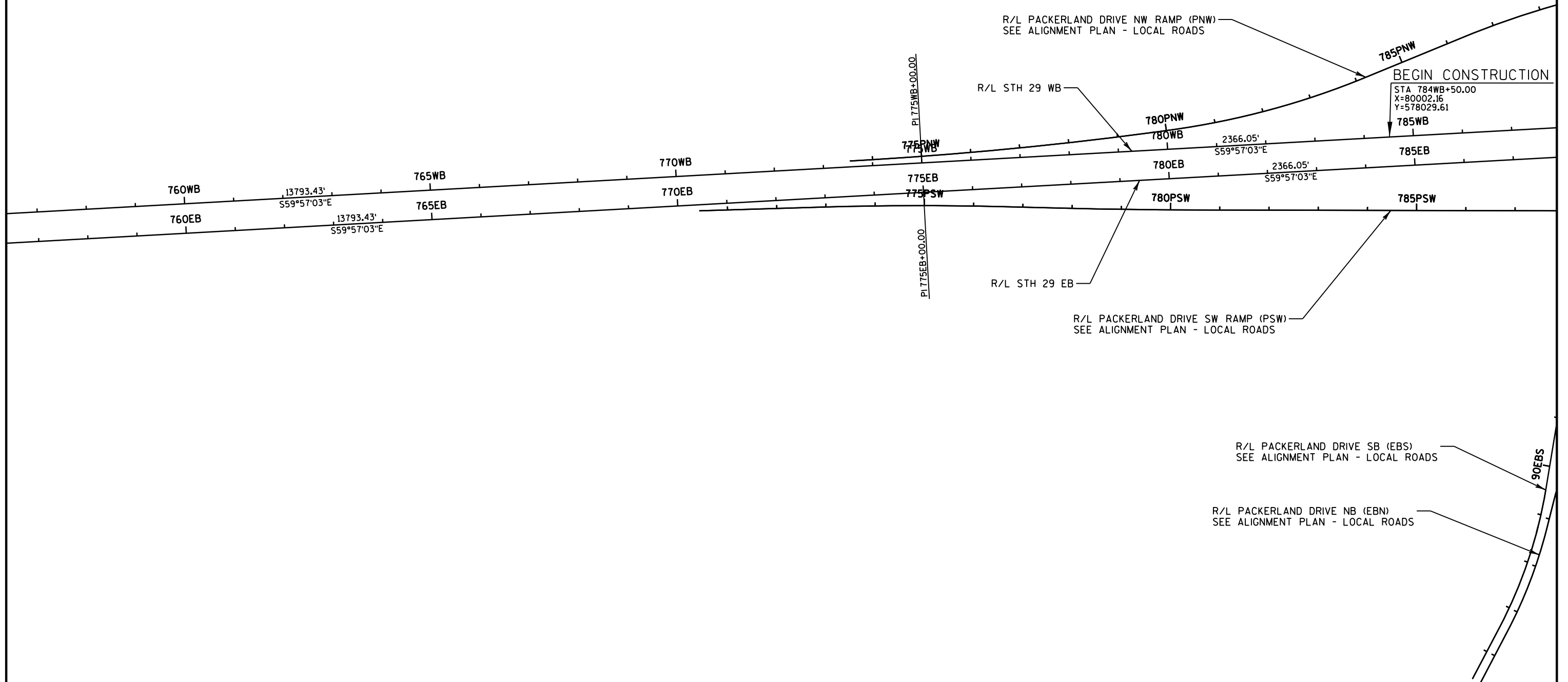
STA 1078NB+50.00
X=82855.72
Y=574746.78

CURVE FES4	CURVE FES5
PCC = 812FES+74.12	PC = 833FES+05.02
X = 82333.08	X = 82540.96
Y = 576440.42	Y = 574547.16
PI= 820FES+85.00	PI= 838FES+28.10
X = 82913.33	X = 82399.63
Y = 575874.00	Y = 574043.54
PT = 827FES+37.80	PCC = 843FES+49.36
X = 82694.23	X = 82332.04
Y = 575093.28	Y = 573524.85
R = 1366.57	R = 7251.14
DELTA = 61°22'02" RT	DELTA = 8°15'07" LT
D = 4°11'34"	D = 0°47'25"
L = 1463.68	L = 1044.34
T = 810.88	T = 523.07
BK = S 45°41'28" E	BK = S 15°40'34" W
AH = S 15°40'34" W	AH = S 7°25'27" W

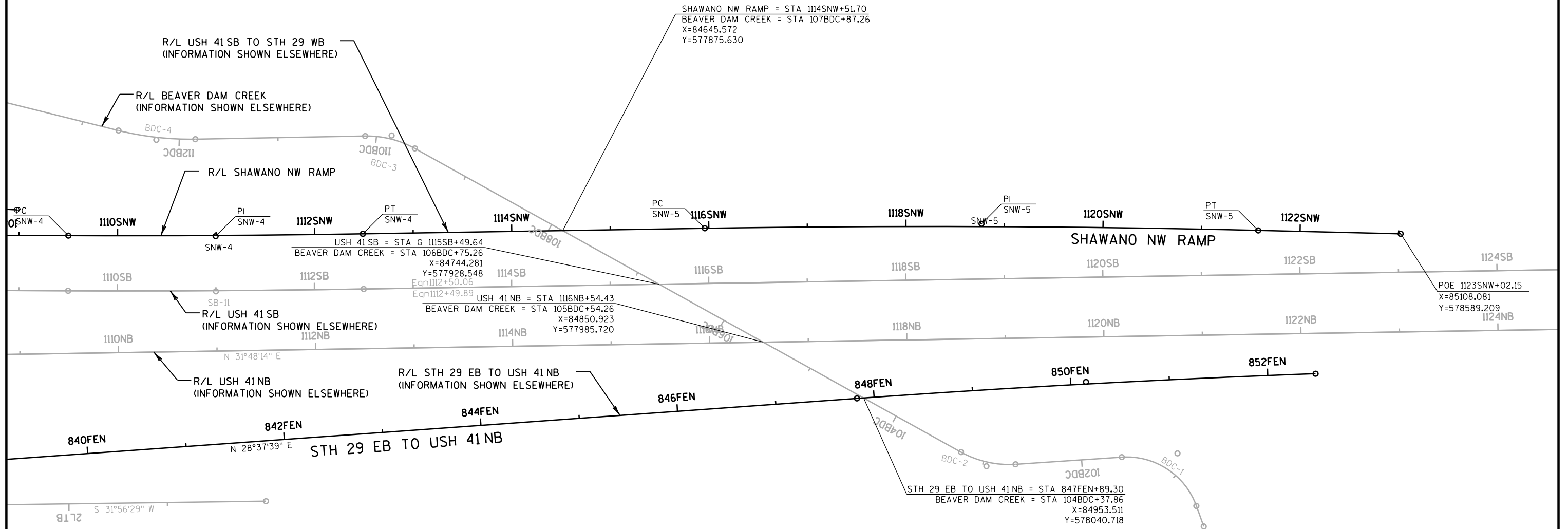
CURVE FNW3	CURVE 41SB2	CURVE FEN2	CURVE FSW1
PC = 1078FNW+45.87	PC = 1099SB+50.01	PC = 813FEN+13.34	PC = 1082FSW+47.10
X = 83045.54	X = 83884.26	X = 82421.27	X = 84174.22
Y = 574690.75	Y = 576579.64	Y = 576497.06	Y = 577202.89
PI= 1092FNW+12.07	PI= 1101SB+00.00	PI= 828FEN+03.10	PI= 1093FSW+11.97
X = 83739.36	X = 83963.31	X = 83655.58	X = 83559.79
Y = 575867.66	Y = 576707.12	Y = 575662.88	Y = 576333.17
PCC = 1099FNW+85.45	PT = 1102SB+50.01	PT = 835FEN+70.05	PT = 1100FSW+52.15
X = 82556.78	X = 84044.90	X = 84369.35	X = 82569.47
Y = 576551.77	Y = 576832.99	Y = 576970.52	Y = 576724.58
R = 1355.00	R = 15000.00	R = 1355.00	R = 1355.00
DELTA = 90°28'18" LT	DELTA = 1°08'45" RT	DELTA = 95°25'27" LT	DELTA = 76°19'33" RT
D = 4°13'42"	D = 0°22'55"	D = 4°13'42"	D = 4°13'42"
L = 2139.58	L = 300.00	L = 2256.71	L = 1805.05
T = 1366.20	T = 150.01	T = 1489.76	T = 1064.86
BK = N 30°31'14" E	BK = N 31°48'14" E	BK = S 55°56'54" E	BK = S 35°14'24" W
AH = N 59°57'03" W	AH = N 32°57'00" E	AH = N 28°37'39" E	AH = N 68°26'03" W





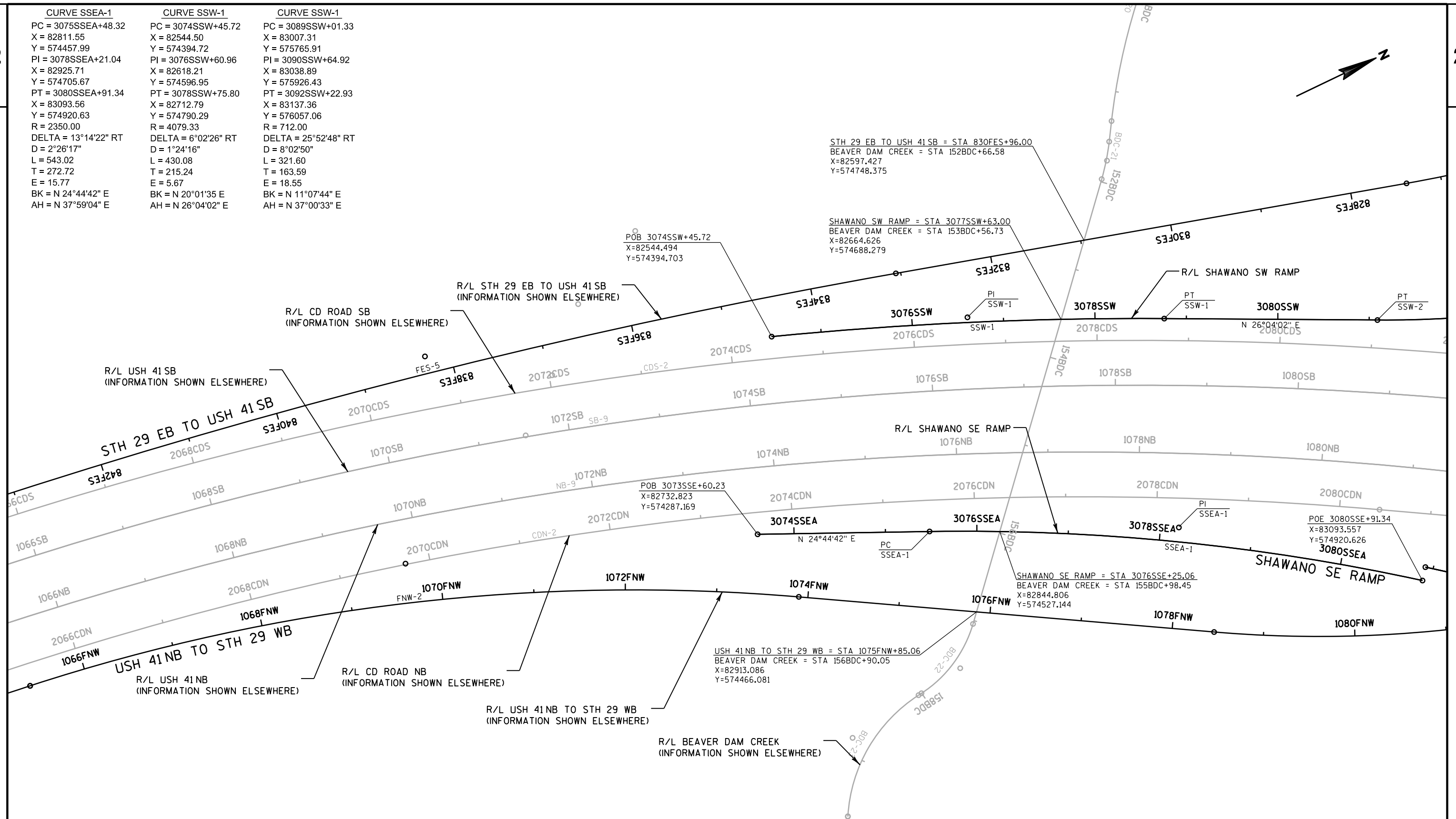


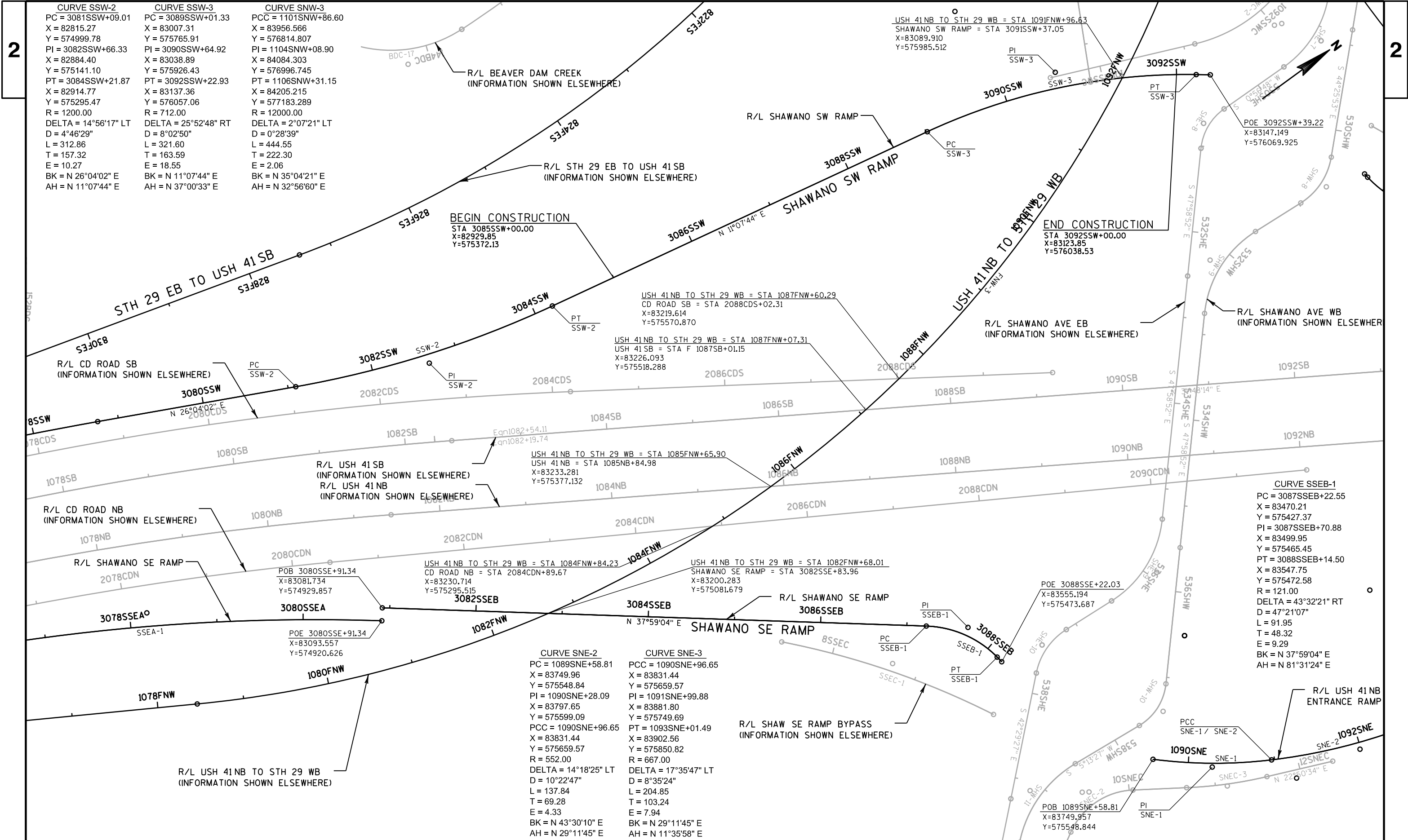




CURVE SNW-4	CURVE SNW-5
PC = 1109SNW+50.06	PC = 1115SNW+95.97
X = 84378.673	X = 84721.605
Y = 577450.903	Y = 577998.240
PI = 1110SNW+99.51	PI = 1118SNW+76.80
X = 84459.957	X = 84869.607
Y = 577576.309	Y = 578236.906
PT = 1112SNW+48.94	PT = 1121SNW+57.56
X = 84538.716	X = 85027.028
Y = 577703.316	Y = 578469.467
R = 14944.00	R = 14050.00
DELTA = 1°08'45" LT	DELTA = 2°17'25" RT
D = 0°23'00"	D = 0°24'28"
L = 298.88	L = 561.59
T = 149.45	T = 280.83
E = 0.75	E = 2.81
BK = N 32°56'60" E	BK = N 31°48'14" E
AH = N 31°48'14" E	AH = N 34°05'39" E

<u>CURVE SSEA-1</u>	<u>CURVE SSW-1</u>	<u>CURVE SSW-1</u>
PC = 3075SSEA+48.32	PC = 3074SSW+45.72	PC = 3089SSW+01.33
X = 82811.55	X = 82544.50	X = 83007.31
Y = 574457.99	Y = 574394.72	Y = 575765.91
PI = 3078SSEA+21.04	PI = 3076SSW+60.96	PI = 3090SSW+64.92
X = 82925.71	X = 82618.21	X = 83038.89
Y = 574705.67	Y = 574596.95	Y = 575926.43
PT = 3080SSEA+91.34	PT = 3078SSW+75.80	PT = 3092SSW+22.93
X = 83093.56	X = 82712.79	X = 83137.36
Y = 574920.63	Y = 574790.29	Y = 576057.06
R = 2350.00	R = 4079.33	R = 712.00
DELTA = 13°14'22" RT	DELTA = 6°02'26" RT	DELTA = 25°52'48" RT
D = 2°26'17"	D = 1°24'16"	D = 8°02'50"
L = 543.02	L = 430.08	L = 321.60
T = 272.72	T = 215.24	T = 163.59
E = 15.77	E = 5.67	E = 18.55
BK = N 24°44'42" E	BK = N 20°01'35 E	BK = N 11°07'44" E
AH = N 37°59'04" E	AH = N 26°04'02" E	AH = N 37°00'33" E

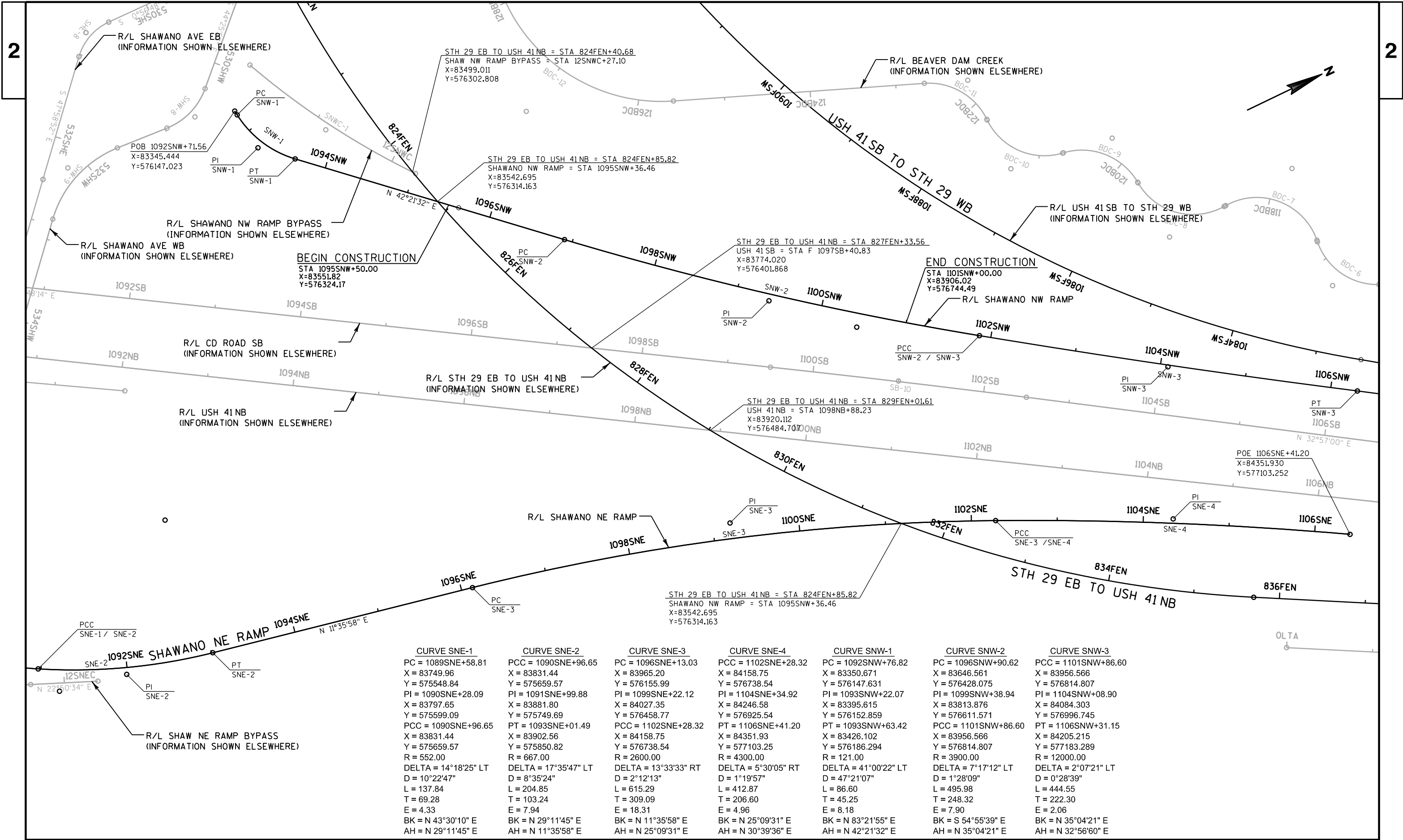




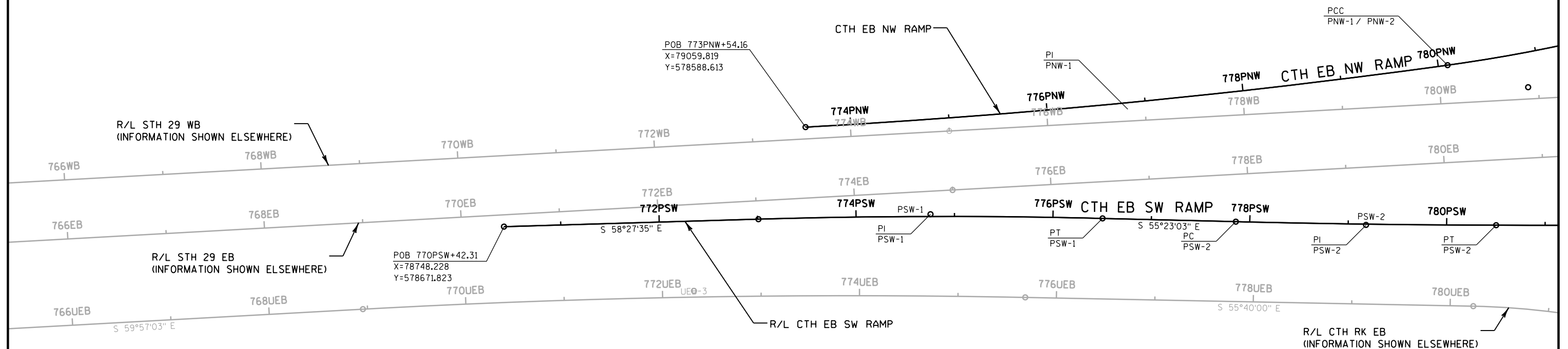
CURVE SSW-2	CURVE SSW-3	CURVE SNW-3
PC = 3081SSW+09.01	PC = 3089SSW+01.33	PCC = 1101SNW+86.60
X = 82815.27	X = 83007.31	X = 83956.566
Y = 574999.78	Y = 575765.91	Y = 576814.807
PI = 3082SSW+66.33	PI = 3090SSW+64.92	PI = 1104SNW+08.90
X = 82884.40	X = 83038.89	X = 84084.303
Y = 575141.10	Y = 575926.43	Y = 576996.745
PT = 3084SSW+21.87	PT = 3092SSW+22.93	PT = 1106SNW+31.15
X = 82914.77	X = 83137.36	X = 84205.215
Y = 575295.47	Y = 576057.06	Y = 577183.289
R = 1200.00	R = 712.00	R = 12000.00
DELTA = 14°56'17" LT	DELTA = 25°52'48" RT	DELTA = 2°07'21" LT
D = 4°46'29"	D = 8°02'50"	D = 0°28'39"
L = 312.86	L = 321.60	L = 444.55
T = 157.32	T = 163.59	T = 222.30
E = 10.27	E = 18.55	E = 2.06
BK = N 26°04'02" E	BK = N 11°07'44" E	BK = N 35°04'21" E
AH = N 11°07'44" E	AH = N 37°00'33" E	AH = N 32°56'60" E

CURVE SSEB-1
PC = 3087SSEB+22.55
X = 83470.21
Y = 575427.37
PI = 3087SSEB+70.88
X = 83499.95
Y = 575465.45
PT = 3088SSEB+14.50
X = 83547.75
Y = 575472.58
R = 121.00
DELTA = 43°32'21" RT
D = 47°21'07"
L = 91.95
T = 48.32
E = 9.29
BK = N 37°59'04" E
AH = N 81°31'24" E

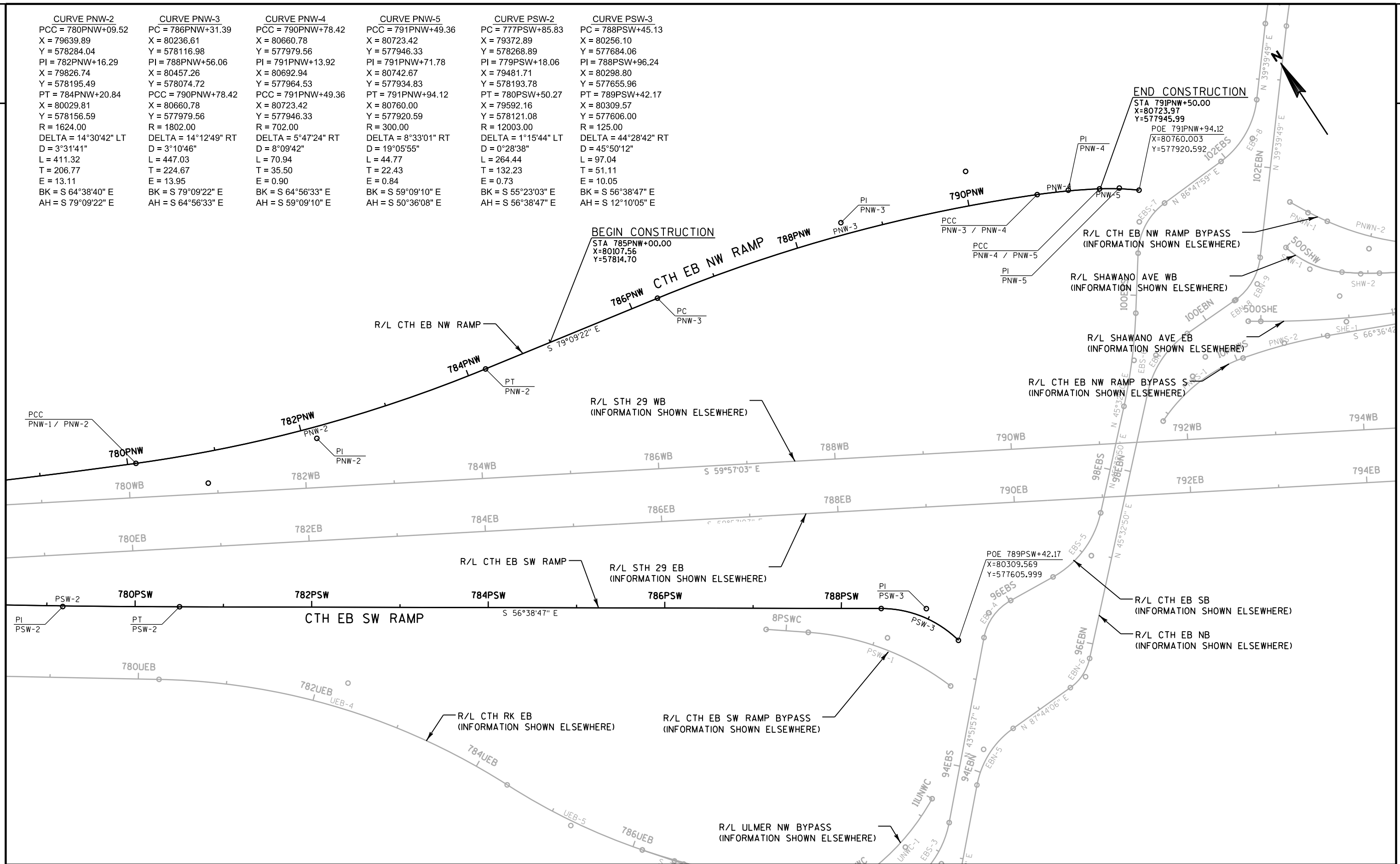
CURVE SNE-2	CURVE SNE-3
PC = 1089SNE+58.81	PCC = 1090SNE+96.65
X = 83749.96	X = 83831.44
Y = 575548.84	Y = 575659.57
PI = 1090SNE+28.09	PI = 1091SNE+99.88
X = 83797.65	X = 83881.80
Y = 575599.09	Y = 575749.69
PCC = 1090SNE+96.65	PT = 1093SNE+01.49
X = 83831.44	X = 83902.56
Y = 575659.57	Y = 575850.82
R = 552.00	R = 667.00
DELTA = 14°18'25" LT	DELTA = 17°35'47" LT
D = 10°22'47"	D = 8°35'24"
L = 137.84	L = 204.85
T = 69.28	T = 103.24
E = 4.33	E = 7.94
BK = N 43°30'10" E	BK = N 29°11'45" E
AH = N 29°11'45" E	AH = N 11°35'58" E



<u>CURVE PNW-1</u>	<u>CURVE PNW-2</u>	<u>CURVE PSW-1</u>	<u>CURVE PSW-2</u>
PC = 773PNW+54.16	PCC = 780PNW+09.52	PC = 773PSW+00.86	PC = 777PSW+85.83
X = 79059.82	X = 79639.89	X = 78968.59	X = 79372.89
Y = 578588.61	Y = 578284.04	Y = 578536.57	Y = 578268.89
PI = 776PNW+82.03	PI = 782PNW+16.29	PI = 774PSW+75.68	PI = 779PSW+18.06
X = 79343.61	X = 79826.74	X = 79117.58	X = 79481.71
Y = 578424.44	Y = 578195.49	Y = 578445.13	Y = 578193.78
PCC = 780PNW+09.52	PT = 784PNW+20.84	PT = 776PSW+50.40	PT = 780PSW+50.27
X = 79639.89	X = 80029.81	X = 79261.44	X = 79592.16
Y = 578284.04	Y = 578156.59	Y = 578345.82	Y = 578121.08
R = 8000.00	R = 1624.00	R = 6512.00	R = 12003.00
DELTA = 4°41'37" LT	DELTA = 14°30'42" LT	DELTA = 3°04'32" RT	DELTA = 1°15'44" LT
D = 0°42'58"	D = 3°31'41"	D = 0°52'47"	D = 0°28'38"
L = 655.36	L = 411.32	L = 349.54	L = 264.44
T = 327.86	T = 206.77	T = 174.81	T = 132.23
E = 6.72	E = 13.11	E = 2.35	E = 0.73
BK = S 59°57'03" E	BK = S 64°38'40" E	BK = S 58°27'35" E	BK = S 55°23'03" E
AH = S 64°38'40" E	AH = S 79°09'22" E	AH = S 55°23'03" E	AH = S 56°38'47" E



CURVE PNW-2 PCC = 780PNW+09.52 X = 79639.89 Y = 578284.04 PI = 782PNW+16.29 X = 79826.74 Y = 578195.49 PT = 784PNW+20.84 X = 80029.81 Y = 578156.59 R = 1624.00 DELTA = 14°30'42" LT D = 3°31'41" L = 411.32 T = 206.77 E = 13.11 BK = S 64°38'40" E AH = S 79°09'22" E	CURVE PNW-3 PC = 786PNW+31.39 X = 80236.61 Y = 578116.98 PI = 788PNW+56.06 X = 80457.26 Y = 578074.72 PCC = 790PNW+78.42 X = 80660.78 Y = 577979.56 R = 1802.00 DELTA = 14°12'49" RT D = 3°10'46" L = 447.03 T = 224.67 E = 13.95 BK = S 79°09'22" E AH = S 64°56'33" E	CURVE PNW-4 PCC = 790PNW+78.42 X = 80660.78 Y = 577979.56 PI = 791PNW+13.92 X = 80692.94 Y = 577964.53 PCC = 791PNW+49.36 X = 80723.42 Y = 577946.33 R = 702.00 DELTA = 5°47'24" RT D = 8°09'42" L = 70.94 T = 35.50 E = 0.90 BK = S 64°56'33" E AH = S 59°09'10" E	CURVE PNW-5 PCC = 791PNW+49.36 X = 80723.42 Y = 577946.33 PI = 791PNW+71.78 X = 80742.67 Y = 577934.83 PT = 791PNW+94.12 X = 80760.00 Y = 577920.59 R = 300.00 DELTA = 8°33'01" RT D = 19°05'55" L = 44.77 T = 22.43 E = 0.84 BK = S 59°09'10" E AH = S 50°36'08" E	CURVE PSW-2 PC = 777PSW+85.83 X = 79372.89 Y = 578268.89 PI = 779PSW+18.06 X = 79481.71 Y = 578193.78 PT = 780PSW+50.27 X = 79592.16 Y = 578121.08 R = 12003.00 DELTA = 1°15'44" LT D = 0°28'38" L = 264.44 T = 132.23 E = 0.73 BK = S 55°23'03" E AH = S 56°38'47" E	CURVE PSW-3 PC = 788PSW+45.13 X = 80256.10 Y = 577684.06 PI = 788PSW+96.24 X = 80298.80 Y = 577655.96 PT = 789PSW+42.17 X = 80309.57 Y = 577606.00 R = 125.00 DELTA = 44°28'42" RT D = 45°50'12" L = 97.04 T = 51.11 E = 10.05 BK = S 56°38'47" E AH = S 12°10'05" E
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CURVE SHE-2	CURVE SHE-3	CURVE SHE-4	CURVE SHW-4	CURVE SHW-5
PC = 515SHE+29.14	PCC = 520SHE+54.71	PCC = 521SHE+29.64	PC = 513SHW+97.78	PCC = 521SHW+56.53
X = 82189.93	X = 82646.91	X = 82702.46	X = 82107.77	X = 82758.89
Y = 577098.56	Y = 576840.95	Y = 576790.90	Y = 577166.78	Y = 576781.18
PI = 517SHE+92.90	PI = 520SHE+92.34	PI = 521SHE+70.41	PI = 517SHW+79.19	PI = 521SHW+63.10
X = 82432.01	X = 82677.58	X = 82729.43	X = 82457.84	X = 82764.07
Y = 576993.86	Y = 576819.13	Y = 576760.31	Y = 577015.37	Y = 576777.15
PCC = 520SHE+54.71	PCC = 521SHE+29.64	PT = 522SHE+08.87	PCC = 521SHW+56.53	PT = 521SHW+69.66
X = 82646.91	X = 82702.46	X = 82735.11	X = 82758.89	X = 82769.20
Y = 576840.95	Y = 576790.90	Y = 576719.93	Y = 576781.18	Y = 576773.06
R = 2500.00	R = 326.00	R = 136.00	R = 3000.00	R = 1000.00
DELTA = 12°02'42" RT	DELTA = 13°10'10" RT	DELTA = 33°22'48" RT	DELTA = 14°29'28" RT	DELTA = 0°45'07" RT
D = 2°17'31"	D = 17°34'31"	D = 42°07'45"	D = 1°54'35"	D = 5°43'46"
L = 525.56	L = 74.93	L = 79.23	L = 758.76	L = 13.13
T = 263.75	T = 37.63	T = 40.78	T = 381.41	T = 6.56
E = 13.87	E = 2.16	E = 5.98	E = 24.15	E = 0.02
BK = S 66°36'42" E	BK = S 54°33'59" E	BK = S 41°23'49" E	BK = S 66°36'42" E	BK = S 52°07'14" E
AH = S 54°33'59" E	AH = S 41°23'49" E	AH = S 8°01'01" E	AH = S 52°07'13" E	AH = S 51°22'06" E

OE 22DOS+14.94
X=83037.708
Y=577243.124

POE 22DON+41.22
X=83069.708
Y=577243.261

USH 41 SB TO STH 29 WB = STA 1097FSW+54.90
DOUSMAN NB = STA 150DN+87.61
X=82855.637
Y=576646.397

SHAWANO WB = STA 522SHW+28.83
DOUSMAN SB = STA 16DOS+10.22
X=82815.418
Y=576736.120

PT SHW-5
PI SHW-5
PCC SHW-4 / SHW-5
S 51°22'06" E

POE 12DNEC+38.83
X=83015.276
Y=576857.422

R/L DOUSMAN NE BYPASS

SHAWANO AVE WB = STA 523SHW+29.41
DOUSMAN NB = STA 15DN+95.22
X=82860.137
Y=576652.529

USH 41 SB TO STH 29 WB = STA 1097FSW+50.00
SHAWANO WB = STA 523SHW+36.31
X=82860.483
Y=576645.639

USH 41 SB TO STH 29 WB = STA 1097FSW+08.74
DOUSMAN NE BYPASS = STA 9DNEC+93.11
X=82901.347
Y=576639.956

POB 7DNEC+91.79
X=83001.491
Y=576473.445

SHAWANO AVE EB = STA 523SHE+35.51
DOUSMAN NB = STA 14DN+97.90
X=82780.112
Y=576607.454

SHAWANO EB = STA 522SHE+34.32
DOUSMAN SB = STA 15DOS+18.88
X=82738.662
Y=576694.730

USH 41 SB TO STH 29 WB = STA 1098FSW+88.32
DOUSMAN SB = STA 14DOS+94.63
X=82728.002
Y=576672.955

USH 41 SB TO STH 29 WB = STA 1098FSW+70.64
SHAWANO AVE EB = STA 522SHE+59.95
X=82742.237
Y=576669.353

R/L USH 41NB TO STH 29 WB
(INFORMATION SHOWN ELSEWHERE)

USH 41 NB TO STH 29 WB = STA 1099FNW+19.42
DOUSMAN SB = STA 13DOS+00.35
X=82613.122
Y=576517.331

DOUSMAN NB = STA 12DON+98.38
DOUSMAN SB = STA 12DOS+98.38
X=82611.711
Y=576515.958

STH 29 EB TO USH 41NB = STA 814FEN+36.23
DOUSMAN NB = STA 11DN+79.11
X=82526.065
Y=576432.957

STH 29 EB TO USH 41SB = STA 814FES+13.88
DOUSMAN NB = STA 10DN+42.43
X=82427.910
Y=576337.834

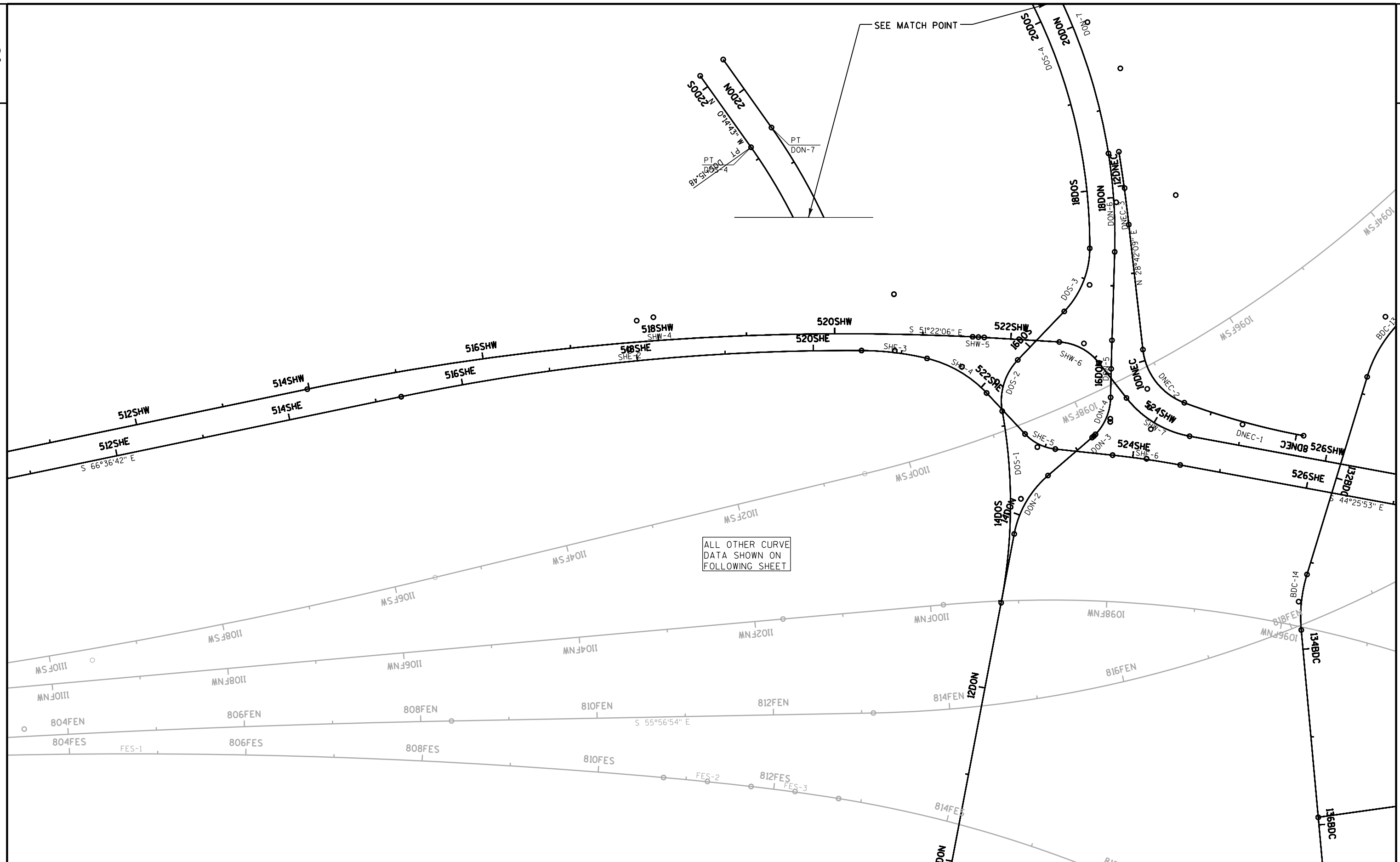
CURVE DNEC-1
PC = 7DNEC+91.79
X = 83001.191
Y = 576473.445
PI = 8DNEC+62.23
X = 82951.880
Y = 576523.745
PCC = 9DNEC+32.31
X = 82912.117
Y = 576581.888
R = 800.00
Delta = 10°03'49" RT
Dc(arc) = 7°09'43"
L = 140.52
T = 70.44
E = 3.10
BK = N 44°25'53" W
AH = N 34°22'03" W

CURVE DNEC-2
PCC = 9DNEC+32.31
X = 82912.117
Y = 576581.888
PI = 9DNEC+77.11
X = 82886.830
Y = 576618.864
PT = 10DNEC+12.67
X = 82908.343
Y = 576658.156
R = 73.00
Delta = 63°04'12" RT
Dc(arc) = 78°29'15"
L = 80.36
T = 44.80
E = 12.65
BK = N 34°22'03" W
AH = N 28°42'09" E

CURVE DNEC-3
PC = 11DNEC+55.36
X = 82976.875
Y = 576783.319
PI = 11DNEC+97.11
X = 82996.923
Y = 576819.933
PT = 12DNEC+38.83
X = 83015.279
Y = 576857.422
R = 1830.00
Delta = 2°36'48" LT
Dc(arc) = 3°07'51"
L = 83.47
T = 41.74
E = 0.48
BK = N 28°42'09" E
AH = N 26°05'21" E

R/L STH 29 EB TO USH 41NB
(INFORMATION SHOWN ELSEWHERE)

R/L STH 29 EB TO USH 41SB
(INFORMATION SHOWN ELSEWHERE)



CURVE DON-2

PC = 13DON+77.75
X = 82668.711
Y = 576571.199
PI = 14DON+18.28
X = 82697.810
Y = 576599.399
PT = 14DON+55.72
X = 82738.140
Y = 576603.346
R = 116.00
DELTA = 38°30'42" RT
D = 49°23'34"
L = 77.97
T = 40.52
E = 6.87
BK = N 45°53'55" E
AH = N 84°24'37" E

CURVE DON-5

PRC = 15DON+73.39
X = 82847.250
Y = 576634.909
PI = 16DON+05.77
X = 82866.297
Y = 576661.092
PT = 16DON+38.14
X = 82885.740
Y = 576686.982
R = 4256.00
DELTA = 0°52'18" RT
D = 1°20'46"
L = 64.75
T = 32.38
E = 0.12
BK = N 36°02'04" E
AH = N 36°54'22" E

CURVE DOS-1

PC = 12DOS+98.38
X = 82611.711
Y = 576515.958
PI = 14DOS+08.82
X = 82691.016
Y = 576592.814
PRC = 15DOS+16.81
X = 82737.758
Y = 576692.871
R = 600.00
DELTA = 20°51'30"
D = 9°32'57"
L = 218.43
T = 110.44
E = 10.08
BK = N 45°53'55" E
AH = N 25°02'25" E

CURVE SHE-6

PC = 522SHE+72.59
X = 82744.00
Y = 576656.84
PI = 522SHE+93.01
X = 82746.85
Y = 576636.62
PT = 523SHE+11.69
X = 82762.20
Y = 576623.16
R = 55.00
DELTA = 40°44'24" LT
D = 104°10'27"
L = 39.11
T = 20.42
E = 3.67
BK = S 8°01'01" E

CURVE DON-3

PC = 15DON+21.72
X = 82803.818
Y = 576609.774
PI = 15DON+24.36
X = 82806.455
Y = 576610.032
PCC = 15DON+27.01
X = 82809.054
Y = 576610.542
R = 55.00
DELTA = 5°30'55" LT
D = 104°10'27"
L = 5.29
T = 2.65
E = 0.06
BK = N 84°24'37" E
AH = N 78°53'42" E

CURVE DON-6

PC = 17DON+38.49
X = 82945.999
Y = 576767.221
PI = 17DON+94.73
X = 82979.770
Y = 576812.191
PCC = 18DON+50.63
X = 83004.502
Y = 576862.699
R = 594.00
DELTA = 10°49'01" LT
D = 9°38'45"
L = 112.14
T = 56.24
E = 2.66
BK = N 36°54'22" E
AH = N 26°05'21" E

CURVE DOS-2

PRC = 15DOS+16.81
X = 82737.758
Y = 576692.871
PI = 15DOS+50.84
X = 82752.162
Y = 576723.703
PT = 15DOS+79.78
X = 82785.556
Y = 576730.258
R = 67.00
DELTA = 53°51'17"
D = 85°30'58"
L = 62.98
T = 34.03
E = 8.15
BK = N 25°02'25" E
AH = N 78°53'42" E

CURVE SHE-7

PC = 523SHE+77.07
X = 82811.36
Y = 576580.06
PI = 524SHE+15.82
X = 82840.50
Y = 576554.51
PT = 524SHE+54.53
X = 82867.62
Y = 576526.84
R = 1026.00
DELTA = 4°19'32" RT
D = 5°35'04"
L = 77.46
T = 38.75
E = 0.73
BK = S 48°45'25" E

CURVE DON-4

PCC = 15DON+27.01
X = 82809.054
Y = 576610.542
PI = 15DON+51.35
X = 82832.934
Y = 576615.230
PRC = 15DON+73.39
X = 82847.250
Y = 576634.909
R = 62.00
DELTA = 42°51'38" LT
D = 92°24'45"
L = 46.38
T = 24.34
E = 4.60
BK = N 78°53'42" E
AH = N 36°02'04" E

CURVE DON-7

PC = 18DON+50.63
X = 83004.502
Y = 576862.699
PI = 20DON+01.29
X = 83070.757
Y = 576998.008
PT = 21DON+46.63
X = 83070.113
Y = 577148.666
R = 644.00
DELTA = 26°20'03" LT
D = 8°53'49"
L = 296.00
T = 150.66
E = 17.39
BK = N 26°05'21" E
AH = N 0°14'43" W

CURVE DOS-3

PC = 16DOS+56.08
X = 82860.427
Y = 576744.954
PI = 16DOS+97.61
X = 82901.172
Y = 576752.952
PCC = 17DOS+35.09
X = 82925.205
Y = 576786.811
R = 104.00
DELTA = 43°31'42"
D = 55°05'32"
L = 79.01
T = 41.52
E = 7.98
BK = N 78°53'42" E
AH = N 35°21'59" E

CURVE SHW-6

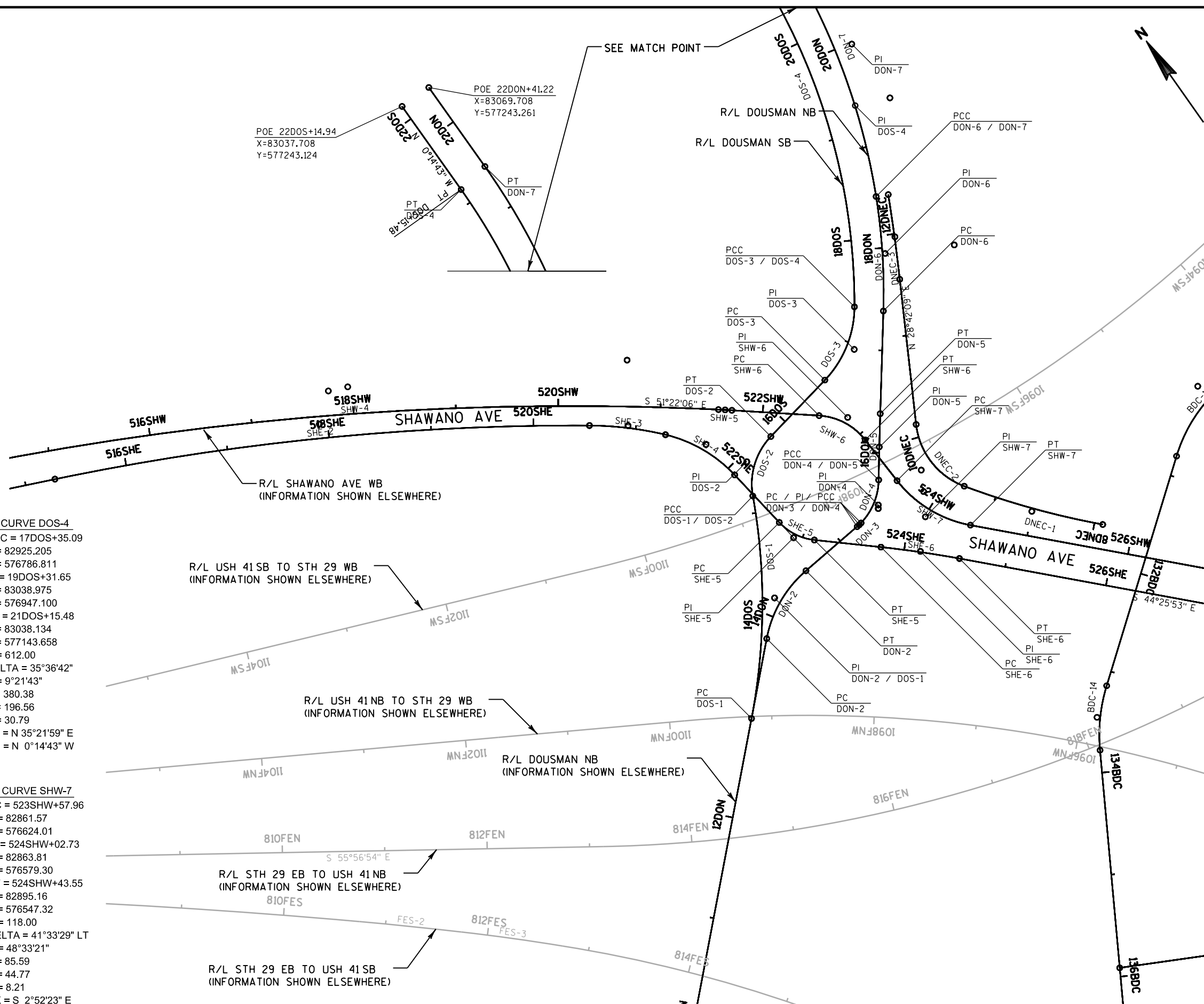
PC = 522SHW+54.94
X = 82835.82
Y = 576719.81
PI = 522SHW+82.87
X = 82857.64
Y = 576702.38
PT = 523SHW+07.42
X = 82859.03
Y = 576674.49
R = 62.00
DELTA = 48°29'43" RT
D = 92°24'45"
L = 52.48
T = 27.93
E = 6.00
BK = S 51°22'06" E

CURVE DOS-4

PCC = 17DOS+35.09
X = 82925.205
Y = 576786.811
PI = 19DOS+31.65
X = 83038.975
Y = 576947.100
PT = 21DOS+15.48
X = 83038.134
Y = 577143.658
R = 612.00
DELTA = 35°36'42"
D = 9°21'43"
L = 380.38
T = 196.56
E = 30.79
BK = N 35°21'59" E
AH = N 0°14'43" W

CURVE SHW-7

PC = 523SHW+57.96
X = 82861.57
Y = 576624.01
PI = 524SHW+02.73
X = 82863.81
Y = 576579.30
PT = 524SHW+43.55
X = 82895.16
Y = 576547.32
R = 118.00
DELTA = 41°33'29" LT
D = 48°33'21"
L = 85.59
T = 44.77
E = 8.21
BK = S 2°52'23" E



PROJECT NO: 1133-04-73

HWY: USH 41

COUNTY: BROWN

ALIGNMENT PLAN - LOCAL ROADS

SHEET

E

CURVE SHE-7
PC = 528SHE+63.55
X = 83153.95
Y = 576234.77
PI = 529SHE+16.22
X = 83190.83
Y = 576197.15
PT = 529SHE+63.34
X = 83189.96
Y = 576144.48
R = 126.00
DELTA = 45°22'40" RT
D = 45°28'22"
L = 99.79
T = 52.68
E = 10.57
BK = S 44°25'53" E
AH = S 0°56'48" W

CURVE SHW-9
PC = 531SHW+59.69
X = 83324.95
Y = 576005.40
PI = 532SHW+21.86
X = 83320.80
Y = 575943.37
PT = 532SHW+75.43
X = 83366.98
Y = 575901.76
R = 128.00
DELTA = 51°48'41" LT
D = 44°45'44"
L = 115.75
T = 62.17
E = 14.30
BK = S 3°49'48" W
AH = S 47°58'52" E

CURVE SNEC-1
PC = 8SNEC+07.18
X = 83817.53
Y = 575332.24
PI = 8SNEC+60.01
X = 83788.26
Y = 575376.22
PCC = 9SNEC+12.80
X = 83762.11
Y = 575422.13
R = 1517.00
DELTA = 3°59'22" RT
D = 3°46'37"
L = 105.62
T = 52.83
E = 0.92
BK = N 33°38'49" W
AH = N 29°39'27" W

CURVE SHE-8
PC = 530SHE+48.07
X = 83188.56
Y = 576059.76
PI = 530SHE+77.19
X = 83188.08
Y = 576030.64
PT = 531SHE+02.72
X = 83209.71
Y = 576011.15
R = 64.00
DELTA = 48°55'40" LT
D = 89°31'29"
L = 54.65
T = 29.12
E = 6.31
BK = S 0°56'48" W
AH = S 47°58'52" E

CURVE SHW-10
PI = 537SHW+39.62
X = 83711.84
Y = 575591.04
PC = 537SHW+07.57
X = 83688.03
Y = 575612.50
PT = 537SHW+67.00
X = 83708.92
Y = 575559.12
R = 64.00
DELTA = 53°12'20" RT
D = 89°31'29"
L = 59.43
T = 32.05
E = 7.58
BK = S 47°58'52" E
AH = S 5°13'27" W

CURVE SNEC-2
PCC = 9SNEC+12.80
X = 83762.11
Y = 575422.13
PI = 9SNEC+63.91
X = 83736.82
Y = 575466.55
PT = 10SNEC+04.42
X = 83765.10
Y = 575509.13
R = 83.00
DELTA = 63°14'58" RT
D = 69°01'52"
L = 105.62
T = 51.11
E = 14.47
BK = N 29°39'27" W
AH = N 33°35'31" E

CURVE SHE-9
PC = 535SHE+35.30
X = 83531.08
Y = 575721.60
PI = 535SHE+97.33
X = 83577.17
Y = 575680.07
PT = 536SHE+50.83
X = 83573.13
Y = 575618.17
R = 128.00
DELTA = 51°42'47" RT
D = 44°45'44"
L = 115.53
T = 29.12
E = 14.24
BK = S 47°58'52" E
AH = S 3°43'55" W

CURVE SHW-11
PC = 538SHW+53.53
X = 83701.04
Y = 575472.95
PI = 539SHW+14.56
X = 83695.49
Y = 575412.18
PT = 539SHW+68.45
X = 83736.71
Y = 575367.17
R = 138.00
DELTA = 47°42'52" LT
D = 41°31'07"
L = 114.92
T = 61.03
E = 12.89
BK = S 5°13'27" W
AH = S 42°29'25" E

CURVE SHE-10
PC = 537SHE+13.00
X = 83569.09
Y = 575556.13
PI = 537SHE+46.29
X = 83566.92
Y = 575522.92
PT = 537SHE+75.92
X = 83589.41
Y = 575498.37
R = 78.00
DELTA = 46°13'22" LT
D = 73°27'22"
L = 62.93
T = 33.29
E = 6.81
BK = S 3°43'55" W
AH = S 42°29'27" E

CURVE SHW-8
PC = 530SHW+31.82
X = 83306.98
Y = 576127.24
PI = 530SHW+66.76
X = 83331.44
Y = 576102.29
PT = 530SHW+97.52
X = 83329.10
Y = 576067.43
R = 78.00
DELTA = 48°15'41" RT
D = 73°27'22"
L = 65.70
T = 34.94
E = 7.47
BK = S 44°25'53" E
AH = S 3°49'48" W

R/L SHAW NW RAMP BYPASS
(INFORMATION SHOWN ELSEWHERE)

END CONSTRUCTION

STA 528SHE+00.00
X=83109.47
Y=576280.15

528SHW

528SHE

530SHW

530SHE

532SHW

532SHE

534SHW

534SHE

536SHW

536SHE

538SHW

538SHE

540SHW

540SHE

R/L STH 29 EB TO USH 41NB
(INFORMATION SHOWN ELSEWHERE)

R/L BEAVER DAM CREEK
(INFORMATION SHOWN ELSEWHERE)

R/L STH 29 EB TO USH 41SB
(INFORMATION SHOWN ELSEWHERE)

R/L SHAW SW RAMP BYPASS
(INFORMATION SHOWN ELSEWHERE)

R/L SHAWANO SW RAMP
(INFORMATION SHOWN ELSEWHERE)

R/L USH 41NB TO STH 29 WB
(INFORMATION SHOWN ELSEWHERE)

R/L CD ROAD SB
(INFORMATION SHOWN ELSEWHERE)

R/L USH 41 SB
(INFORMATION SHOWN ELSEWHERE)

R/L SHAWANO AVE EB
(INFORMATION SHOWN ELSEWHERE)

R/L USH 41NB
(INFORMATION SHOWN ELSEWHERE)

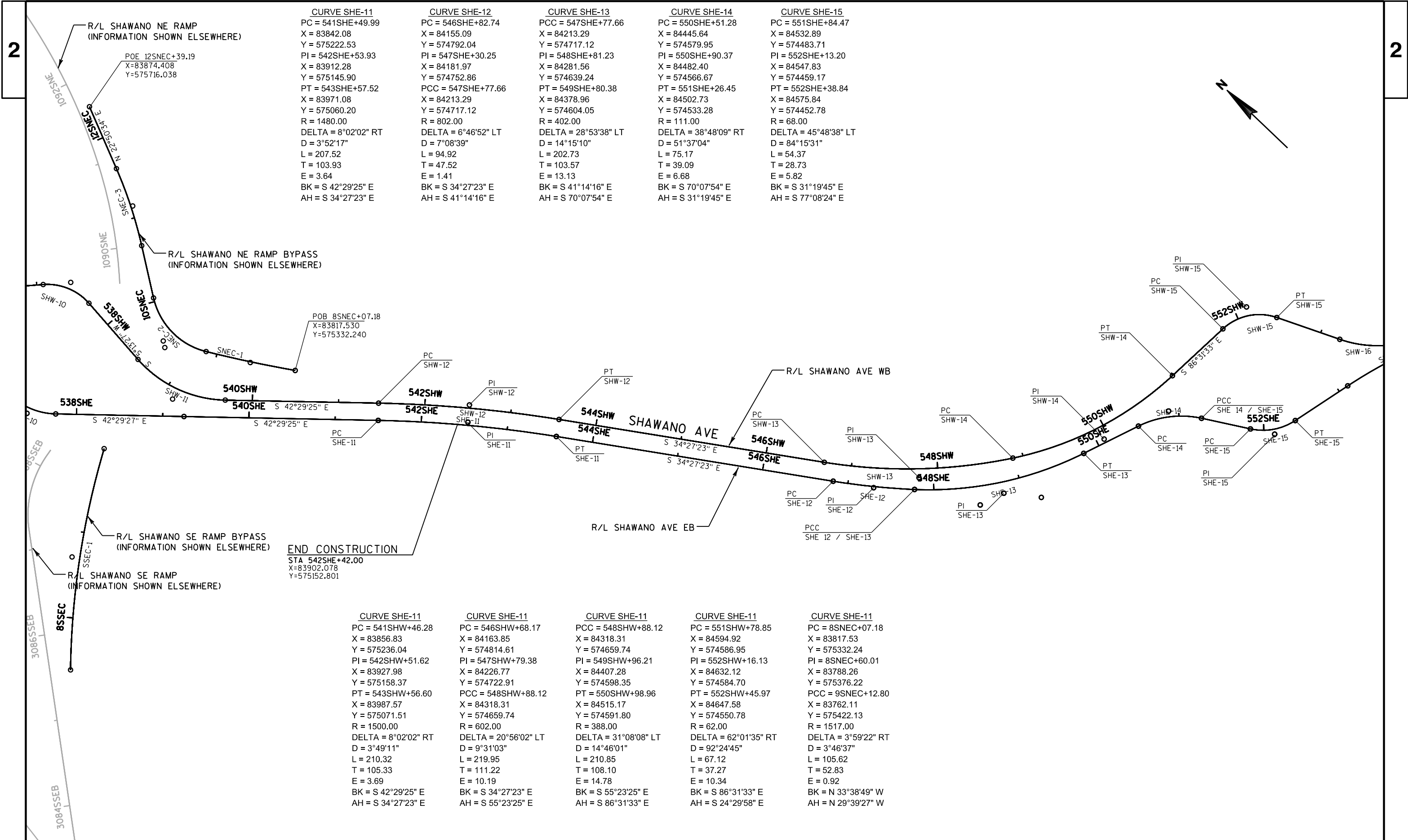
SHAW SE RAMP BYPASS

R/L SHAWANO SE RAMP BYPASS
(INFORMATION SHOWN ELSEWHERE)

R/L SHAWANO SE RAMP
(INFORMATION SHOWN ELSEWHERE)

R/L SHAWANO NE RAMP
(INFORMATION SHOWN ELSEWHERE)

POE 12SNEC+39.19
X=83874.408
Y=575716.038



DATE 20JAN15		E S T I M A T E O F Q U A N T I T I E S			
LINE					1133-04-73
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0010	213.0100	Finishing Roadway (project) 01. 1133-04-73	EACH	1.000	1.000
0020	616.0406	Fence Chain Link Salvaged 6-FT	LF	60.000	60.000
0030	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1133-04-73	EACH	1.000	1.000
0040	619.1000	Mobilization	EACH	1.000	1.000
0050	624.0100	Water	MGAL	1,608.000	1,608.000
0060	627.0200	Mulching	SY	71,535.000	71,535.000
0070	628.1504	Silt Fence	LF	1,250.000	1,250.000
0080	628.1520	Silt Fence Maintenance	LF	1,250.000	1,250.000
0090	628.1905	Mobilizations Erosion Control	EACH	3.000	3.000
0100	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0110	628.2002	Erosion Mat Class I Type A	SY	1,966.000	1,966.000
0120	628.2023	Erosion Mat Class II Type B	SY	1,357.000	1,357.000
0130	628.7504	Temporary Ditch Checks	LF	313.000	313.000
0140	628.7555	Culvert Pipe Checks	EACH	13.000	13.000
0150	628.7560	Tracking Pads	EACH	3.000	3.000
0160	628.7570	Rock Bags	EACH	100.000	100.000
0170	629.0210	Fertilizer Type B	CWT	48.000	48.000
0180	630.0140	Seeding Mixture No. 40	LB	1,288.000	1,288.000
0190	632.0101	Trees (species) (size) (root) 01. Birch, River 'Heritage', B&B, 6-Foot Ht.	EACH	36.000	36.000
0200	632.0101	Trees (species) (size) (root) 02. Coffeetree, Kentucky 'Espresso', B&B, 2-Inch Cal.	EACH	1.000	1.000
0210	632.0101	Trees (species) (size) (root) 03. Elm, Accolade, B&B, 2 1/2-Inch Cal.	EACH	8.000	8.000
0220	632.0101	Trees (species) (size) (root) 04. Hackberry, 'Prairie Pride', B&B, 2 1/2-Inch Cal.	EACH	12.000	12.000
0230	632.0101	Trees (species) (size) (root) 05. Honeylocust, Thornless 'Imperial', B&B, 2 1/2-Inch Cal.	EACH	7.000	7.000
0240	632.0101	Trees (species) (size) (root) 06. Larch, American, B&B, 6-Foot Ht.	EACH	13.000	13.000
0250	632.0101	Trees (species) (size) (root) 07. Maple, Freeman 'Sienna Glen', B&B, 2 1/2-Inch Cal.	EACH	23.000	23.000
0260	632.0101	Trees (species) (size) (root) 08. Maple, Red 'Northwood', B&B, 2-Inch Cal.	EACH	4.000	4.000
0270	632.0101	Trees (species) (size) (root) 09. Oak, Bur, B&B, 2-Inch Cal.	EACH	6.000	6.000
0280	632.0101	Trees (species) (size) (root) 10. Oak, Swamp White, B&B, 2-Inch Cal.	EACH	29.000	29.000
0290	632.0101	Trees (species) (size) (root) 11. Birch, River 'Fox Valley', B&B, 4-Foot Ht.	EACH	27.000	27.000
0300	632.0101	Trees (species) (size) (root) 12. Dogwood, Corneliancherry 'Golden Glo Ry' (Shrub Form Tree), B&B, 4-Foot Ht.	EACH	13.000	13.000
0310	632.0101	Trees (species) (size) (root) 13. Hawthorn, Cockspur (Thornless) (Shrub Form Tree), B&B, 6-Foot Ht.	EACH	3.000	3.000
0320	632.0101	Trees (species) (size) (root) 14. Maple, Tatarian, B&B, 2-Inch Cal.	EACH	28.000	28.000
0330	632.0101	Trees (species) (size) (root) 15. Serviceberry, 'Princess Diana' (Shrub Form Tree), B&B, 6-Foot Ht.	EACH	27.000	27.000

DATE 20JAN15		E S T I M A T E O F Q U A N T I T I E S			
LINE					1133-04-73
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0340	632.0101	Trees (species) (size) (root) 16. Viburnum, Blackhaw (Shrub Form Tree) , B&B, 6-Foot Ht.	EACH	27.000	27.000
0350	632.0101	Trees (species) (size) (root) 17. Wayfaring Ash, B&B, 5-Foot Ht.	EACH	6.000	6.000
0360	632.0101	Trees (species) (size) (root) 18. Eastern Redcedar, Hill Dundee, 6' Ht., B&B, 6-Foot Ht.	EACH	20.000	20.000
0370	632.0101	Trees (species) (size) (root) 19. Spruce, Black Hills, 6' Ht., B&B 6-Foot Ht.	EACH	17.000	17.000
0380	632.0101	Trees (species) (size) (root) 20. Spruce, Black Hills, 8' Ht., B&B 8-Foot Ht.	EACH	16.000	16.000
0390	632.0101	Trees (species) (size) (root) 21. Eastern Redcedar, Silver, B&B 6-Foot Ht.	EACH	22.000	22.000
0400	632.0101	Trees (species) (size) (root) 22. Eastern Redcedar, Canaert, B&B 6-Foot Ht.	EACH	18.000	18.000
0410	632.0201	Shrubs (species) (size) (root) 01. Alder, Speckled, Container, 3-Foot Ht.	EACH	5.000	5.000
0420	632.0201	Shrubs (species) (size) (root) 02. Buttonbush, Container, 3-Foot Ht.	EACH	18.000	18.000
0430	632.0201	Shrubs (species) (size) (root) 03. Chokeberry, Black, Container, 3-Foot Ht.	EACH	21.000	21.000
0440	632.0201	Shrubs (species) (size) (root) 04. Dogwood, Silky, Container, 3-Foot Ht.	EACH	16.000	16.000
0450	632.0201	Shrubs (species) (size) (root) 05. Elderberry, Container, 3-Foot Ht.	EACH	17.000	17.000
0460	632.0201	Shrubs (species) (size) (root) 06. Ninebark Common, Container, 3-Foot Ht.	EACH	19.000	19.000
0470	632.0201	Shrubs (species) (size) (root) 07. Viburnum, American Cranberrybush, Container, 3-Foot Ht.	EACH	40.000	40.000
0480	632.0201	Shrubs (species) (size) (root) 08. Viburnum, Arrowwood (Autumn Jazz), Container, 3-Foot Ht.	EACH	9.000	9.000
0490	632.0201	Shrubs (species) (size) (root) 09. Willow, Pussy, Container, 3-Foot Ht.	EACH	15.000	15.000
0500	632.0201	Shrubs (species) (size) (root) 10. Witchhazel, Common, Container, 3-Foot Ht.	EACH	8.000	8.000
0510	632.9101	Landscape Planting Surveillance and Care Cycles	EACH	26.000	26.000
0520	643.0100	Traffic Control (project) 01. 1133-04-73	EACH	1.000	1.000
0530	SPV.0035	Special 001. Topsoil Special	CY	1,827.000	1,827.000
0540	SPV.0060	Special 001. Tracking Pad Maintenance	EACH	3.000	3.000
0550	SPV.0075	Special 001. Street Sweeping	HRS	20.000	20.000
0560	SPV.0105	Special 001. Survey Project 1133-04-73	LS	1.000	1.000

3

FINISHING ROADWAY (Project) 1133-04-73		FENCE CHAIN LINK SALVAGED 6-FT		MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) 1133-04-73		MOBILIZATION	
213.0100 FINISHING ROADWAY (Project 1133-04-73)		616.0406 FENCE CHAIN LINK SALVAGED 6-FT		618.0100.100 MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) 1133-04-73		619.1000 MOBILIZATION	
LOCATION	EACH	STATION	# of TIMES	LF	REMARKS	LOCATION	EACH
PROJECT 1133-04-73	1	795EB+44	2	20	ULLMER CT	PROJECT 1133-04-73	1
		826FES+23	2	20			
		814FES+85	2	20	DOUSMAN POND		
TOTALS	1	TOTALS		60		TOTALS	1

3

EROSION CONTROL								
LOCATION	628.1504	628.1520	628.1905	628.1910	628.2002	628.2023	628.7504	628.7555
	SILT FENCE	SILT FENCE	MOBILIZATIONS	MOBILIZATIONS EMERGENCY	EROSION MAT	EROSION MAT	TEMPORARY	CULVERT
	LF	MAINTENANCE	EROSION CONTROL	EROSION CONTROL	CLASS I TYPE A	CLASS II TYPE B	DITCH CHECKS	PIPE CHECKS
	LF	LF	EACH	EACH	SY	SY	LF	EACH
PROJECT 1133-04-73	1,000	1,000	3	2	1,573	1,086	250	10
UNDISTRIBUTED	250	250	--	--	393	271	63	3
TOTALS	1,250	1,250	3	2	1,966	1,357	313	13

RESTORATION QUANTITIES				
	624.0100	627.0200	629.0210	630.0140
	WATER	MULCHING	FERTILIZER	SEEDING MIXTURE
			TYPE B	NO 40.
LOCATION	MGAL	SY	CWT	LB
LANDSCAPE ACCESS RESTORATION	433	19,267	13	347
PLANTING BED RESTORATION	51	2,272	2	41
TREE RESTORATION	802	35,689	23	642
UNDISTRIBUTED	322	14,307	10	258
TOTALS	1,608	71,535	48	1,288

TRACKING PADS		
	628.7560	SPV.0060.001
	TRACKING	TRACKING PAD
	PADS	MAINTENANCE
LOCATION	EACH	EACH
PROJECT 1133-04-73	3	3
TOTALS	3	3

ROCK BAGS	
	628.7570
	ROCK
	BAGS
LOCATION	EACH
PROJECT 1133-04-73	100
TOTALS	100

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE SPECIFIED

TREES

CATEGORY	LOCATION	632.0101.01 BIRCH, RIVER 'HERITAGE', B&B, 6-FOOT HT.	632.0101.02 COFFEETREE, KENTUCKY 'ESPRESSO', B&B, 2-INCH CAL.	632.0101.03 ELM, ACCOLADE, B&B, 2 1/2-INCH CAL.	632.0101.04 HACKBERRY, 'PRAIRIE PRIDE', B&B, 2 1/2-INCH CAL.	632.0101.05 HONEY LOCUST, THORNLESS 'IMPERIAL', B&B, 2 1/2-IN CAL.	632.0101.06 LARCH, AMERICAN, B&B, 6-FOOT HT.	632.0101.07 MAPLE, FREEMAN 'SIENNA GLEN', B&B, 2 1/2-INCH CAL.	632.0101.08 MAPLE, RED 'NORTHWOOD', B&B, 2-INCH CAL.	632.0101.09 OAK, BUR, B&B, 2-INCH CAL.	632.0101.10 OAK, SWAMP WHITE, B&B, 2-INCH CAL.	632.0101.11 BIRCH, RIVER 'FOX VALLEY', B&B, 4-FOOT HT.
		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
1400	PROJECT 1133-04-73	36	1	8	12	7	13	23	4	6	29	27
1400	TOTALS	36	1	8	12	7	13	23	4	6	29	27

TREES (CONT.)

CATEGORY	LOCATION	632.0101.12 DOGWOOD, CORNELIANCHERRY 'GOLDEN GLORY' (SHRUB FROM TREE) B&B, 4-FOOT HT.	632.0101.13 HAWTHORN, COCKSPUR (THORNLESS) (SHRUB FROM TREE), B&B, 6-FOOT HT.	632.0101.14 MAPLE, TATARIAN, B&B, 2-INCH CAL.	632.0101.15 SERVICEBERRY, 'PRINCESS DIANA' (SHRUB FROM TREE), B&B, 6-FOOT HT.	632.0101.16 VIBURNUM, BLACKHAW (SHRUB FROM TREE), B&B, 6-FOOT HT.	632.0101.17 WAYFARING ASH, B&B, 5-FOOT HT.	632.0101.18 EASTERN REDCEDAR, HILL DUNDEE, 6' HT., B&B, 6-FOOT HT.	632.0101.19 SPRUCE, BLACK HILLS, 6'HT., B&B, 6-FOOT HT.	632.0101.20 SPRUCE, BLACK HILLS, 8' HT. B&B, 8-FOOT HT	632.0101.21 EASTERN REDCEDAR, SILVER B&B, 6-FOOT HT	632.0101.22 EASTERN REDCEDAR, CANAERT B&B, 6-FOOT HT
		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
1400	PROJECT 1133-04-73	13	3	28	27	27	6	20	17	16	22	18
1400	TOTALS	13	3	28	27	27	6	20	17	16	22	18

SHRUBS

CATEGORY	LOCATION	632.0201.01 ALDER, SPECKLED, CONTAINER, 3-FOOT HT.	632.0201.02 BUTTONBUSH, CONTAINER, 3-FOOT HT.	632.0201.03 CHOKEBERRY, BLACK, CONTAINER, 3-FOOT HT.	632.0201.04 DOGWOOD, SILKY, CONTAINER, 3-FOOT HT.	632.0201.05 ELDERBERRY, CONTAINER, 3-FOOT HT.	632.0201.06 NINEBARK COMMON, CONTAINER, 3-FOOT HT.	632.0201.07 VIBURNUM, AMERICAN CRANBERRYBUSH, CONTAINER, 3-FOOT HT.	632.0201.08 VIBURNUM, ARROWWOOD (AUTUMN JAZZ), CONTAINER, 3-FOOT HT.	632.0201.09 WILLOW, PUSSY, CONTAINER, 3-FOOT HT.	632.0201.10 WITCHHAZEL, COMMON, CONTAINER, 3-FOOT HT.
		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
1400	PROJECT 1133-04-73	5	18	21	16	17	19	40	9	15	8
1400	TOTALS	5	18	21	16	17	19	40	9	15	8

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE SPECIFIED

LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES

632.9101 LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES		
CATEGORY	LOCATION	EACH
1400	PROJECT 1133-04-73	26
1400	TOTALS	26

TRAFFIC CONTROL

643.0100.001 TRAFFIC CONTROL (PROJECT) 1133-04-73	
LOCATION	EACH
PROJECT 1133-04-73	1
TOTALS	1

TOPSOIL SPECIAL

SPV.0035.001 TOPSOIL SPECIAL		
CATEGORY	LOCATION	CY
1400	WIS 29 / PACKERLAND TO US 41	1,827
1400	TOTALS	1,827

STREET SWEEPING

SPV.0075.001 STREET SWEEPING		
LOCATION	HRS	REMARKS
PROJECT 1133-04-73	20	TRACKING PAD LOCATIONS
TOTALS	20	

SURVEY PROJECT 1133-04-73

SPV.0105.001 SURVEY PROJECT 1133-04-73	
LOCATION	LS
PROJECT 1133-04-73	1
TOTALS	1

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE SPECIFIED

PART OF LOT 300 IN THE FORT HOWARD MILITARY RESERVE (FHMR), LOCATED IN THE VILLAGE OF HOWARD; AND PART OF LOT 300 IN THE FHMR INCLUDING UNPLATTED LANDS WITHIN GOVERNMENT LOT 1, OF SECTION 20, TOWNSHIP 24 NORTH, RANGE 20 EAST, LOCATED IN THE VILLAGE OF HOBART; BROWN COUNTY, WISCONSIN.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION
HEREBY ORDERS THAT:

2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

ACCESS POINT
ACCESS RIGHTS
ACRES
CHORD BEARING
CHORD DISTANCE
DEED
DOCUMENT #
EAST BOUNDARY
GAS VALVE
INLET
LENGTH OF CURVE
MANHOLE
MONUMENT
NORTH BOUND
PAGE
PERMANENT
PERMANENT LIMITED EASEMENT
PRIVATE DRIVEWAY
PROPERTY LINE
RADIUS
REFERENCE LINE
REMAINING
RIGHT OF WAY
SECTION
SECTION LINE
FOUND IRON PIPE
STATION
STATIONARY LIMITED EASEMENT
TIE POINT
VOLUME
ADJOINING LANDS
WITH SAME OWNER
PARALLEL TO LINE

AP
AR
ACRS
CH BRG
CH DIS
C
DOC
EB
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IL
L
MNL
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NG
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PERM
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00'

BUILDING TO BE RAZED

FEE ACQUISITION

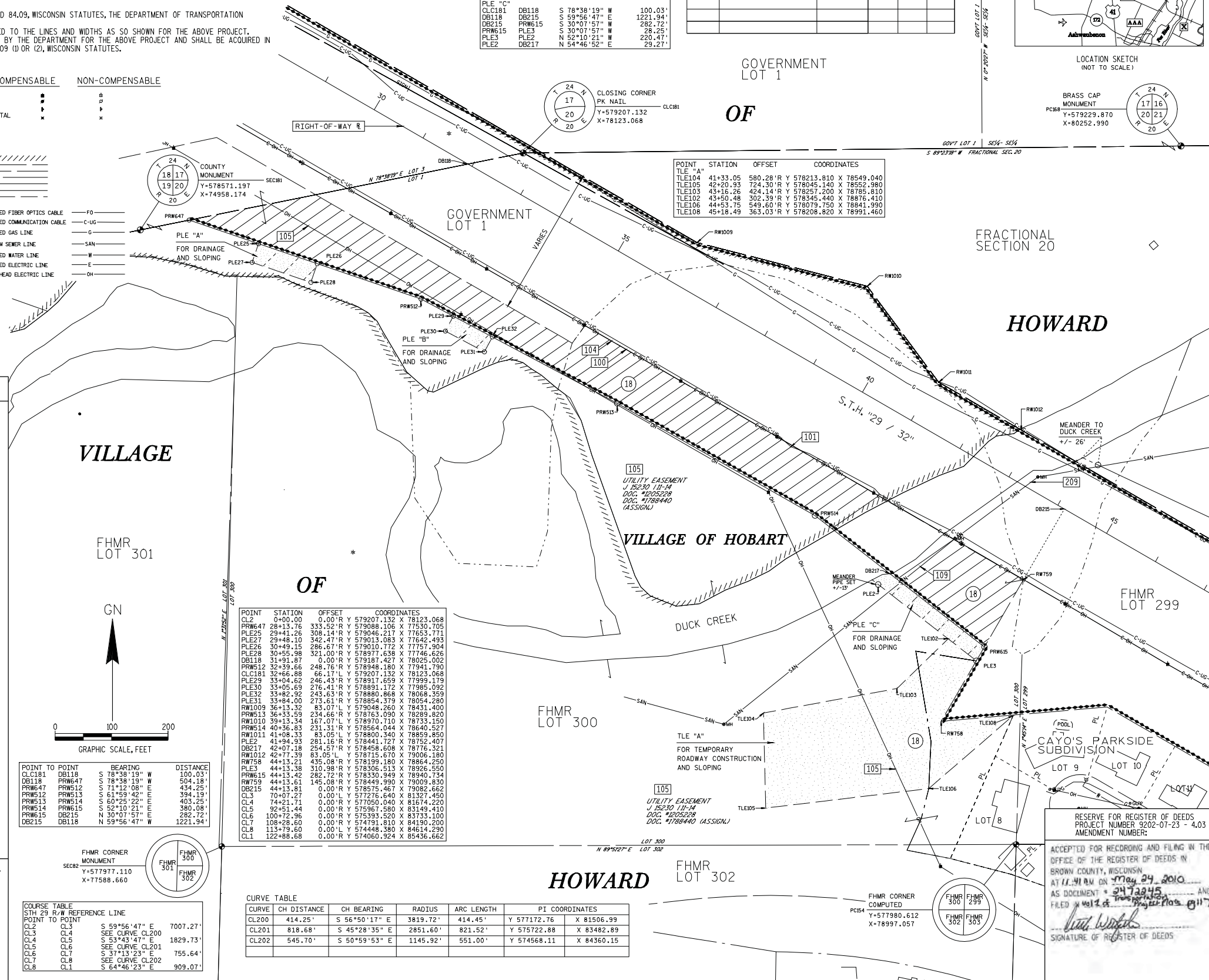
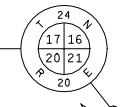
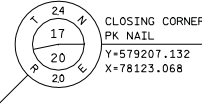
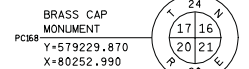
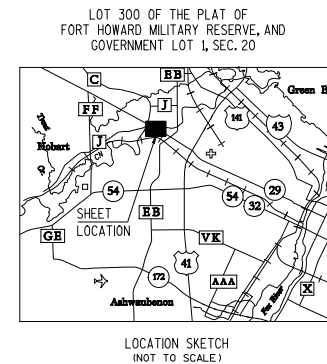
VARIABLE

SECTION CORNER
(MATERIAL AS NOTED)
1-1/4" R/W MONUMENT W/CAP
(1-1/4" OUTSIDE DIA. x 18"
IRON PIPE 1.13 LBS/FT)
SET P.K., NAIL
PROPOSED R/W
BOUNDARY POINT
CORPORATE LIMITS
EXISTING R/W
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
PROPOSED OR NEW R/W LINE
PROPOSED EASEMENT LINE
PARCELS NUMBER
UTILITY PARCEL NUMBER
PROPERTY LINE
LOT, TIE AND OTHER MINOR
DASHED LINES
ACCESS CONTROL
(By Previous Acquisition
or Covenant)
NO ACCESS
(By Acquisition)
NO ACCESS
(By Statutory Authority)
LIMITED EASEMENT
(Temporary or Permanent)

 BURIED FIBER OPTICS CABLE
 BURIED COMMUNICATION CABLE
 BURIED GAS LINE
 STORM SEWER LINE
 BURIED WATER LINE
 BURIED ELECTRIC LINE
 OVERHEAD ELECTRIC LINE


POINT TO POINT		BEARING		DISTANCE
PLT	"A"			
CL181	PRW647	S	78°38'19"E	604.20
PR125	PL25	S	71°12'08"E	130.00
PL25	PL26	S	71°12'08"E	110.00
PL26	PL28	S	18°47'52"E	110.00
PL28	PL27	S	71°12'08"E	35.00
PL27	PL25	N	18°47'52"E	35.00
PLT "B"				
CL181	PRW647	S	78°38'19"E	604.20
PRW647	PRW512	S	71°12'08"E	434.25
PRW512	PL29	S	61°59'48"E	65.00
PL29	PL32	S	27°59'26"E	70.35
PL32	PL31	S	27°59'26"E	30.00
PL31	PL30	N	61°59'48"E	78.36
PL30	PL29	N	28°00'18"E	50.00
PLT "C"				
CL181	DB118	S	78°38'19"E	100.03
DB118	DB215	S	59°56'47"E	1221.94
DB215	PRW615	S	60°07'52"E	282.72
PRW615	PL3	S	60°07'57"E	28.25
PL3	PL2	S	54°46'54"E	222.47
PL2	DB217	N	54°46'54"E	29.27

SCHEDULE OF LANDS & INTERESTS REQUIRED					
PARCEL NUMBER	OWNER	INTEREST REQUIRED	FEE ACRES	T.L.E. ACRES	P.L.L. ACRES
18	BROWN COUNTY	FEE, PLE FILE	3.24	1.60	0.2
100	WISCONSIN PUBLIC SERVICE-ELECTRIC	RELEASE OF RIGHTS			
101	ATAT WISCONSIN	RELEASE OF RIGHTS			
104	NET-LEC	RELEASE OF RIGHTS			
105	AMERICAN TRANSMISSION COMPANY (ATC)	RELEASE OF RIGHTS			
109	GREEN BAY METROPOLITAN SEWERAGE DISTRICT (GBMSD)	RELEASE OF RIGHTS			
209	GREEN BAY METROPOLITAN SEWERAGE DISTRICT (GBMSD) UA				



RIGHT OF WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER
OF THE HIGHWAY LANDS AND ARE REFERENCED TO THE US PUBLIC LAND
SURVEY OR OTHER SURVEYS OF PUBLIC RECORD.

RIGHT OF WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO OR AT THE TIME OF LAND TITLE TRANSFER.

AREAS SHOWN IN THE TOTAL ACRES COLUMN OF THE SCHEDULE OF LANDS & INTEREST TABLE 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.

COORDINATES AS SHOWN ARE NOT INTENDED TO BE USED FOR RETRACEMENT PURPOSES AND MUST BE VERIFIED WITH THE COUNTY SURVEY DEPARTMENT.

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, BROWN COUNTY, (ENGLISH), NAD OF 1983 (1991) ADJUSTMENT. ALL PLAT DISTANCES ARE GROUND LENGTH.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

EXISTING RIGHT OF WAY WAS ACQUIRED FROM PROJECT(S):
F 020 3(9), 9202-02-21, 9202-07-21, 9202-02-22, & COUNTY MAPS

EXISTING ACCESS CONTROL WAS ACQUIRED UNDER PROJECT(S):
F 020 3(9), 9202-02-22

RIGHT OF WAY REFERENCE LINE MAY NOT BE THE SAME AS THE
CONSTRUCTION REFERENCE LINE.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE TO PREVENT EROSION OF THE SOIL. ALL TLEs ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES. AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE TO PREVENT EROSION OF THE SOIL, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

A HIGHWAY EASEMENT (HE) IS AN EASEMENT FOR HIGHWAY PURPOSES, AS LONG AS SO USED INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE.

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO
CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO DEPARTMENT OF TRANSPORTATION.

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095,
WISCONSIN STATUTES. THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF

JON L. HERBEL
PRINTED NAME


SIGNATURE

5/12/2010
DATE

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN
DEPARTMENT OF TRANSPORTATION

NORMAN PAWELCZYK
PRINTED NAME

Norman V. Pawelczyk
SIGNATURE

5/12/2010
DATE

FILE NAME : C:\Users\p\D3\113303A\dgn\sth 29\92020723\d3_92020723\040103_rw.dgn
APPRAISAL PLAT DATE :

PLOT DATE : 17-MAY-2010 12:49

PLOT BY : \$\$...plotuser...\$\$ PLOT NAME : D3

PLOT SCALE : 100.000000:1.000000

TRANSPORTATION PROJECT PLAT NO: 9202-07-23-4.04

PART OF UNPLATTED LANDS WITHIN LOTS 298 AND 299 IN THE FORT HOWARD MILITARY RESERVE, LOCATED IN THE VILLAGE OF HOWARD, BROWN COUNTY, WISCONSIN.

RELOCATION ORDER STH 29 BROWN COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

CONVENTIONAL ABBREVIATIONS AND SYMBOLS

ACCESS POINT	AP	A	-SECTION CORNER
ACCESS RIGHTS	AR	C	(MATERIAL AS NOTED)
ADDRESS	AD		
CHORD BEARING	CB BRG	B	SET R/W MONUMENT W/CAP
CHORD DISTANCE	CD CH DIS	D	1'-1/4" OUTSIDE DIA.-X/8"
DEED	DD		TRACED PLATS 1-13 USGS
DOCUMENT	DO		
EAST BOUNDARY	EB		SET P.K., NAIL
GAS VALVE	GV		PROPOSED R/W
INLET	I	L	BOUNDARY POINT
LENGTH OF CURVE	L		
MANHOLE	MN	H	CORPORATE LIMITS
MONUMENT	MO	N	EXISTING R/W
NORTH BOUND	NB		SECTION LINE
PAGE	P		QUARTER LINE
PERMANENT	PE	R	SIXTEENTH LINE
PERMANENT LIMITED EASEMENT	PELM	L	PROPOSED OR NEW R/W L/L
PRIVATE DRIVEWAY	PD		PROPOSED EASEMENT LINE
PROPERTY LINE	PL	R	PARCEL NUMBER
RADIUS	R		
REFERENCE LINE	RL		
REMAINING	REM	R	UTILITY PARCEL NUMBER
RIGHT OF WAY	RW	S	
SECTION LINE	SL		PROPERTY LINE
SEAL FROM PIPE	SP		LOT, LOTIE AND OTHER MIN.
STATION	STA		DASHES
TEMPORARY LIMITED EASEMENT	TLE		ACCESS CONTROL
THE POINT	TP		(By Previous Acquisition or Covenant)
ADJOINING LANDS	ADJ		NO ACQUISITION
WITH SAME OWNER	WO		(By Acquisition)
PARALLEL TO LINE			NO ACCESS
			By Sundry Authority
			LIMITED EASEMENT
			(Temporary or Permanent)

COMPENSABLE

NON-COMPENSABLE

POINT	TO POINT	BEARING	DISTANCE
PC155	DB119	S 00°24'36" E	90.95
DB119	DB125	N 59°56'47" W	1516.29
DB125	DB123	N 30°03'13" E	83.05
DB123	PRW696	S 64°54'46" E	166.05
PRW696	PRW542	S 64°54'46" E	314.81
PRW542	PRW543	S 68°17'20" E	369.91
PRW543	PRW544	N 76°41'13" E	64.96
PRW544	PRW545	S 66°53'58" E	151.97
PRW545	PRW546	S 2°16'29" E	104.65
PRW546	PRW681	S 73°48'54" E	142.50
PRW681	DB184	S 89°10'38" E	41.84
DB184	PC155	S 00°24'30" E	239.51

BURIED FIBER OPTICS CABLE	FO
BURIED TELEPHONE CABLE	T
BURIED GAS LINE	G
STORM SEWER LINE	SAN
BURIED WATER LINE	W
BURIED ELECTRIC LINE	E
OVERHEAD ELECTRIC LINE	OH

VILLAGE OF HOBART

RESERVE FOR CLAUSES AND NOTE INFORMATION

RIGHT OF WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER
OF THE HIGHWAY LANDS AND ARE REFERENCED TO THE US PUBLIC LAND
SURVEY OR OTHER SURVEYS OF PUBLIC RECORD.

RIGHT OF WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO OR AT THE TIME OF LAND TITLE TRANSFER.

AREAS SHOWN IN THE TOTAL ACRES COLUMN OF THE SCHEDULE OF LANDS & INTEREST TABLE 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.

COORDINATES AS SHOWN ARE NOT INTENDED TO BE USED FOR RETRACEMENT PURPOSES AND MUST BE VERIFIED WITH THE COUNTY SURVEY DEPARTMENT.

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, BROWN COUNTY, (ENGLISH), NAD OF 1983 (1991) ADJUSTMENT. ALL PLAT DISTANCES ARE GROUND LENGTH.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS
AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES.
THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES
AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

EXISTING RIGHT OF WAY WAS ACQUIRED FROM PROJECT(S):
F 020 3(9), 9202-02-21, 9202-07-21, 9202-02-22, & COUNTY MAPS

EXISTING ACCESS CONTROL WAS ACQUIRED UNDER PROJECT(S):
F 020 3(9), 9202-02-22

RIGHT OF WAY REFERENCE LINE MAY NOT BE THE SAME AS THE
CONSTRUCTION REFERENCE LINE.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE TO PREVENT EROSION OF THE SOIL. ALL TLEs ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO
CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO DEPARTMENT OF TRANSPORTATION.

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095
WISCONSIN STATUTES. THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF

JON L. HERBEL
PRINTED NAME


SIGNATURE

6/8/2010
DATE

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN
DEPARTMENT OF TRANSPORTATION

NORMAN PAWELCZYK
PRINTED NAME

Norman K. Pawelczyk
SIGNATURE

6/8/2010
DATE

FILE NAME : C:\Users\P\D3\113303A\dgn\sth 29\92020723\d3_92020723\040104_rw.dgn
APPRAISAL PLAT DATE :

PLOT DATE : 08-JUN-2010 09:33

PLOT BY : \$\$...plotuser...\$\$ PLOT NAME : D3

PLOT SCALE : 100.000000:1.000000

TRANSPORTATION PROJECT PLAT NO: 9202-07-23-4.05

PART OF LOT 13, BEING PART OF CAYO'S PARKSIDE SUBDIVISION WITHIN LOT 299 IN THE FORT HOWARD MILITARY RESERVE (FHMR); AND PART OF LOT 2 AND ALL OF LOT 1 BEING PART OF CAYO'S PARKSIDE SUBDIVISION, AND PART OF LOT 1, CSM #5464, AND PART OF LOT 2, CSM #507, AND PART OF LOT 2, CSM #1977 LOCATED IN AND INCLUDING UNPLATTED LANDS WITHIN LOT 303 IN THE FHMR; ALL OF LOT 1, CSM #5296, AND ALL OF LOT 1, CSM #1625 LOCATED IN AND INCLUDING UNPLATTED LANDS OF LOT 304 OF THE FHMR; ALL LOCATED WITHIN, VILLAGE OF HOWARD, BROWN COUNTY, WISCONSIN.

RELOCATION ORDER STH 29 BROWN COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

CONVENTIONAL ABBREVIATIONS AND SYMBOLS

ACCESS POINT	AP	SECTION CORNER	SC
ACCESS RIGHTS	AR	(MATERIAL AS NOTED)	
ACRES	CH BRG		
CHORD BEARING	CH DIS		
CHORD DISTANCE	(D)		
DEED	DOC		
DOCUMENT	EB		
EAST BOUND	GV		
GAS VALVE	INLET		
INLET	IP		
LENGTH OF CURVE	MCN		
MARKER	NB		
MONUMENT	PERM		
NORTH BOUND	PLE		
PAGE	PROPOSED EASEMENT LINE		
PERMANENT	PROPOSED EASEMENT LINE		
PERMANENT LIMITED EASEMENT	PD		
PRIVATE DRIVEWAY	PRAD		
PROPERTY LINE	PL		
RADIUS	REM		
REFERENCE LINE	R/W		
REMAINING	SEC		
RIGHT OF WAY	S		
SECTION	STA		
FOUND IRON PIPE	STL		
TEMPORARY LIMITED EASEMENT	TIE		
TIE POINT	DBL		
VOLUME	VOL		
ADJOINING LANDS			
WITH SAME OWNER			
PARALLEL TO LINE			
BUILDING TO BE RAZED			
FEE ACQUISITION			

RESERVE FOR CLAUSES AND NOTE INFORMATION

RIGHT OF WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS AND ARE REFERENCED TO THE US PUBLIC LAND SURVEY OR OTHER SURVEYS OF PUBLIC RECORD.

RIGHT OF WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO OR AT THE TIME OF LAND TITLE TRANSFER.

AREAS SHOWN IN THE TOTAL ACRES COLUMN OF THE SCHEDULE OF LANDS & INTEREST TABLE 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.

COORDINATES AS SHOWN ARE NOT INTENDED TO BE USED FOR RETRACEMENT PURPOSES AND MUST BE VERIFIED WITH THE COUNTY SURVEY DEPARTMENT.

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, BROWN COUNTY, (ENGLISH, NAD OF 1983 (99)) ADJUSTMENT. ALL PLAT DISTANCES ARE GROUND LENGTH.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

EXISTING RIGHT OF WAY WAS ACQUIRED FROM PROJECT(S):

F 020 319, 9202-02-21, 9202-07-21, 9202-02-22, & COUNTY MAPS

EXISTING ACCESS CONTROL WAS ACQUIRED UNDER PROJECT(S):

F 020 319, 9202-02-22

RIGHT OF WAY REFERENCE LINE MAY NOT BE THE SAME AS THE CONSTRUCTION REFERENCE LINE.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE TO PREVENT EROSION OF THE SOIL. ALL TLES ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE TO PREVENT EROSION OF THE SOIL, BUT WITHOUT PREJUDICE TO THE OWNERS RIGHT TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

A HIGHWAY EASEMENT (HE) IS AN EASEMENT FOR HIGHWAY PURPOSES, AS LONG AS SO USED INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE.

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO DEPARTMENT OF TRANSPORTATION.

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF

JON L. HERBEL
PRINTED NAME
6/8/2010
DATE

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

NORMAN PAWELCZYK
PRINTED NAME
6/8/2010
DATE

FHMR LOT 302

POINT TO POINT	BEARING	DISTANCE
HE "A"		
PC155	S 62°21'39" W	802.04'
PRW743	S 48°05'57" E	202.64'
PRW753	S 78°03'27" W	124.05'
PRW754	N 48°11'52" W	167.02'
PRW1843	N 62°24'36" E	107.25'
HE "B"		
RW1841	S 25°23'49" W	783.23'
RW1842	S 61°00'44" W	105.90'
RW1842	N 48°11'52" W	70.56'
PRW755	N 43°22'51" E	100.10'
PRW755	S 48°10'15" E	114.15'
HE "C"		
PC155	S 18°15'39" W	819.50'
RW1996	S 48°10'54" E	26.25'
PRW744	S 61°01'21" W	78.07'
PRW745	N 48°11'46" W	26.25'
RW1997	N 61°01'31" E	105.94'

POINT TO POINT	BEARING	DISTANCE
PC155	S 00°24'36" E	90.95'
DB119	N 59°56'47" W	754.22'
DB121	S 30°03'13" W	261.22'
PRW679	S 53°59'35" E	70.56'
PRW678	S 44°20'45" W	111.33'
PRW678	S 19°14'13" W	58.75'
PRW611	N 24°51'04" E	30.02'
PRW610	S 08°43'13" W	21.00'
PRW612	S 21°59'09" E	133.46'
PRW613	S 48°11'46" W	26.25'
PRW743	S 62°24'36" E	107.25'
RW1843	S 26°04'46" W	88.62'
PRW742	S 86°28'18" W	40.95'
RW1847	S 48°12'36" E	332.80'
RW1847	S 63°14'30" W	230.71'
RW1997	S 48°11'46" W	26.25'
PRW745	N 61°01'21" W	100.93'
PRW744	S 60°01'00" W	295.29'
PRW746	N 00°55'02" E	99.32'
PRW747	N 00°54'36" E	98.85'
PRW748	S 81°26'59" W	10.22'
PRW749	N 00°53'23" E	63.12'
PRW750	N 75°39'35" E	50.40'
RW134	N 36°10'38" W	657.05'

POINT STATION	OFFSET	COORDINATES
CL 2	0+00.00	Y 580785.346 X 752622.259
PRW679	50+22.70	Y 578044.424 X 79478.869
DB121	50+22.70	Y 578270.528 X 79609.692
PRW677	50+92.88	Y 578002.342 X 79535.950
PRW678	50+00.00	Y 577923.328 X 79613.166
PRW611	52+11.13	Y 577867.860 X 79594.410
RW1843	52+44.76	Y 577562.020 X 79456.300
PRW742	52+50.30	Y 577482.420 X 79417.340
PRW610	52+81.35	Y 577789.980 X 79630.480
PRW741	52+87.54	Y 577479.900 X 79458.210
PRW612	52+88.99	Y 577769.223 X 79627.296
PRW743	53+02.15	Y 577611.690 X 79551.350
PRW615	53+94.22	Y 577645.470 X 79677.260
RW1847	56+13.46	Y 577250.070 X 79720.000
PC155	57+30.81	Y 577983.755 X 80261.865
DB119	57+76.92	Y 577892.805 X 80262.516
RW1997	58+43.78	Y 577154.200 X 79912.400
PRW745	58+69.48	Y 577136.700 X 79931.970
PRW744	59+23.99	Y 577188.020 X 80024.640
PRW750	61+00.59	Y 577266.200 X 80273.900
PRW49	61+31.34	Y 577203.090 X 80272.920
PRW748	61+39.33	Y 577204.610 X 80283.030
PRW747	61+70.52	Y 577139.760 X 80282.000
PRW746	62+19.28	Y 577052.420 X 80280.410
RW734	63+78.24	Y 577362.440 X 80650.360
CL 3	70+07.27	Y 577276.640 X 81327.450
CL 4	74+21.71	Y 577052.420 X 81672.320
CL 5	92+51.44	Y 575967.580 X 83149.410
CL 6	100+72.96	Y 575393.520 X 83733.100
CL 7	109+28.60	Y 574791.610 X 84794.000
CL 8	113+79.60	Y 574448.380 X 84614.290
CL 1	122+88.68	Y 574060.924 X 85436.662

COURSE TABLE	CH DISTANCE	CH BEARING	RADIUS	ARC LENGTH	PI COORDINATES
CL 2	414.25'	S 56°50'17" E	3819.72'	414.45'	Y 577172.76 X 81506.99
CL 201	818.68'	S 45°28'35" E	2851.60'	821.52'	Y 575722.88 X 83482.89
CL 202	945.70'	S 50°59'53" E	1145.92'	551.00'	Y 574568.11 X 84360.15

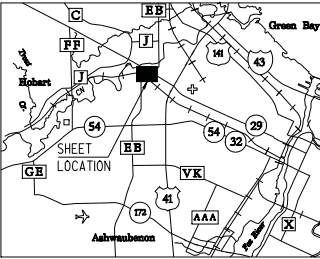
POINT TO POINT	BEARING	DISTANCE
PLE "A"		
PC155	S 42°54'23" W	911.24'
PLE14	S 42°57'36" W	31.39'
PLE16	N 48°20'18" W	33.91'
PLE17	N 40°18'52" E	30.12'
PLE15	S 48°28'03" E	35.31'

POINT TO POINT	BEARING	DISTANCE
PLE "B"		
PRW753	S 47°48'21" W	755.45'
PRW755	S 48°12'14" E	186.07'
PLE40	S 43°22'02" W	25.06'
PLE39	N 48°11'49" W	101.31'
PLE38	S 44°48'50" W	50.07'
PLE37	S 48°11'51" E	102.56'
PRW756	S 43°22'48" W	25.01'
PRW754	N 48°11'49" W	256.67'
PLE33	N 78°02'55" E	31.00'
PLE34	S 48°11'54" E	72.49'
PLE35	N 44°49'19" E	50.06'
PLE36	N 48°11'36" W	38.46'
PRW753	N 78°4'00" E	31.05'

CURVE TABLE	CH DISTANCE	CH BEARING	RADIUS	ARC LENGTH	PI COORDINATES
CL 200	414.25'	S 56°50'17" E	3819.72'	414.45'	Y 577172.76 X 81506.99
CL 201	818.68'	S 45°28'35" E	2851.60'	821.52'	Y 575722.88 X 83482.89
CL 202	945.70'	S 50°59'53" E	1145.92'	551.00'	Y 574568.11 X 84360.15

COMPENSABLE	NON-COMPENSABLE
POWER POLE	TELEPHONE POLE
TELEPHONE POLE	TELEPHONE PEDESTAL
TELEPHONE PEDESTAL	

LOTS 299, 303 & 304 IN THE FORT HOWARD MILITARY RESERVE



SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER	INTEREST REQUIRED	FEE ACRES	T.L.E. ACRES	P.L.E. ACRES	H.E. ACRES
21	ROBERT NANIOT & BARBARA NANIOT	FEE	0.03	-	-	-
22	DANN J. CORNELIUS	FEE	0.20	-	-	-
23	DONALD L. WIED	FEE	0.27	-	-	-
24	PACKERLAND SHELL INVESTMENTS, LLC	FEE	0.63	-	-	-
25	DONALD L. WIED	FEE	0.31	-	-	-
45	WISCONSIN CENTRAL	HE	-	-	-	0.18
46	ROBBIE J. DELEDEAU	FEE	0.01	-	-	-
47	SHANE T. LOCK	PLE & TLE	-	0.07	0.02	-
48	PRIN EXTERMINATING COMPANY, INC.	TLE	-	0.03	-	-
49	WISCONSIN CENTRAL	HE	-	0.18	0.33	0.54
51	SCOTT P. LA TOUR	FEE	0.03	-	-	-
100	WISCONSIN PUBLIC SERVICE- ELECTRIC	RELEASE OF RIGHTS	-	-	-	-
101	AT&T WISCONSIN	RELEASE OF RIGHTS	-	-	-	-
104	NET-LEC	RELEASE OF RIGHTS	-	-	-	-
105	AMERICAN TRANSMISSION (ATC)	RELEASE OF RIGHTS	-	-	-	-
107	WISCONSIN PUBLIC SERVICE-	RELEASE OF RIGHTS	-	-	-	-
108	TIME WARNER CABLE	RELEASE OF RIGHTS	-	-	-	-
124	VILLAGE OF HOWARD- SANITARY	RELEASE OF RIGHTS	-	-	-	-
125	VILLAGE OF HOWARD-	RELEASE OF RIGHTS	-	-	-	-
110	AT&T LEGACY	RELEASE OF RIGHTS	-	-	-	-
224	VILLAGE OF HOWARD-	RELEASE OF RIGHTS	-	-	-	-
225	VILLAGE OF HOWARD- WATER-UT	RELEASE OF RIGHTS	-	-	-	-

RESERVE FOR REGISTER OF DEEDS PROJECT NUMBER 9202-07-23 - 4.05 AMENDMENT NUMBER:

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN BROWN COUNTY, WISCONSIN

AS DOCUMENT #8424978 AND FILED IN 1st & 2nd Project Page 135

SIGNATURE OF REGISTER OF DEEDS

PART OF LOT 1 IN BLOCK 1, AND PART OF LOT 1 IN BLOCK 2, BEING PART OF THE PAMPERIN PLAT LOCATED IN AND INCLUDING UNPLATTED LANDS WITHIN LOT 298 IN THE FORT HOWARD MILITARY RESERVE (FHMR); AND UNPLATTED LANDS WITHIN LOTS 299 AND 304, IN THE THE FHMR; ALL LOCATED IN THE VILLAGE OF HOWARD, BROWN COUNTY, WISCONSIN.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

- TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
 2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

ACCESS POINT
ACCESS RIGHTS
ACCESS
CHORD BEARING
CHORD DISTANCE
DEED
DOCUMENT
EAST BOUND
GAS VALVE
INLET
LENGTH OF CURVE
MANHOLE
MONUMENT
NORTH BOUND
PAGE
PERMANENT
PERMANENT LIMITED EASEMENT
PRIVATE DRIVEWAY
PROPERTY LINE
RADIUS
REFERENCE LINE
REMAINING
RIGHT OF WAY
SECTION
SECTION LINE
STEEL IRON PIPE
STATION
TEMPORARY LIMITED EASEMENT
TIE POINT
VOLUME
ADJOINING LANDS
WITH SAME OWNER
PARALLEL TO LINE
BUILDING TO BE RAZED
FEE ACQUISITION

AP
AR
LR
OR
CH
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CIR
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DOC
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GV
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MON
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PAGE
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VOL
00'

SECTION CORNER
(MATERIAL AS NOTED)
SET R/W MONUMENT W/CAP
1'-0" OUTSIDE DIA.X18"
IRON PIPE 1-13 LBS/FT)
SET P.K., NAIL
PROPOSED R/W
BOUNDARY POINT
CORPORATE LIMITS
EXISTING R/W
QUARTER LINE
SIXTEENTH LINE
PROPOSED NEW R/W LINE
PROPOSED EASEMENT LINE
PARCEL NUMBER
UTILITY PARCEL NUMBER
PROPERTY LINE
LOT, TIE AND OTHER MINOR
DASHED LINES
ACROSS CONTROL
(By Previous Acquisition
or Covenant)
NO ACCESS
(By Acquisition)
NO ACCESS
(By Statutory Authority)
LIMITED EASEMENT
(Temporary or Permanent)

VARIOUS
EXISTING

POWER POLE
TELEPHONE POLE
SIGN
TELEPHONE PEDESTAL

PRW000

FHRM LOT 299

PRW545

PL

G

C-UC

C

RIGHT OF WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER
OF THE HIGHWAY LANDS AND ARE REFERENCED TO THE US PUBLIC LAND
SURVEY OR OTHER SURVEYS OF PUBLIC RECORD.

RIGHT OF WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO OR AT THE TIME OF LAND TITLE TRANSFER.

AREAS SHOWN IN THE TOTAL ACRES COLUMN OF THE SCHEDULE OF LANDS & INTEREST TABLE 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.

COORDINATES AS SHOWN ARE NOT INTENDED TO BE USED FOR RETRACEMENT PURPOSES AND MUST BE VERIFIED WITH THE COUNTY SURVEY DEPARTMENT.

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, BROWN COUNTY, (ENGLISH), NAD OF 1983 (1991) ADJUSTMENT. ALL PLAT DISTANCES ARE GROUND LENGTH.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

EXISTING RIGHT OF WAY WAS ACQUIRED FROM PROJECT(S):
F 020 3(9), 9202-02-21, 9202-07-21, 9202-02-22, & COUNTY MAPS

EXISTING ACCESS CONTROL WAS ACQUIRED UNDER PROJECT(S):
F 020 3(9), T 02-5(26), 9202-02-22

RIGHT OF WAY REFERENCE LINE MAY NOT BE THE SAME AS THE
CONSTRUCTION REFERENCE LINE.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE TO PREVENT EROSION OF THE SOIL. ALL TLEs ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO
CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO DEPARTMENT OF TRANSPORTATION.

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095,
WISCONSIN STATUTES. THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF

JON L. HERBEL
PRINTED NAME


SIGNATURE

6/8/2010
DATE

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN
DEPARTMENT OF TRANSPORTATION

NORMAN PAWELCZYK	<i>Norman H. Pawelczyk</i>	6/8/2010
PRINTED NAME	SIGNATURE	DATE

POINT	STATION	OFFSET	COORDINATES
C12	9+00.00	0.00 R	Y 580785.946 Z 75622.250
PW685	53+30.42	244.23 R	Y 578237.610 Z 79998.700
C12	9+00.00	0.00 R	Y 580785.946 Z 75622.250
PW684	54+34.63	230.26 L	Y 578263.580 Z 80091.470
PW682	56+17.92	264.41 R	Y 578232.860 Z 80218.320
C12	9+00.00	0.00 R	Y 580785.946 Z 75622.250
PW683	57+22.80	397.50 L	Y 578260.020 Z 80415.150
PC155	57+30.81	78.40 L	Y 57793.755 Z 80261.865
PW688	57+43.14	359.64 R	Y 578227.060 Z 80413.300
PW687	58+00.00	38.83 R	Y 578237.610 Z 80413.300
PW690	58+05.38	356.89 R	Y 578147.400 Z 80535.130
PW692	59+04.38	337.33 R	Y 578074.940 Z 80621.300
PW691	59+10.00	336.41 R	Y 578074.940 Z 80621.300
PW691	61+53.99	333.10 L	Y 57793.285 Z 80755.115
PW685	64+16.90	368.02 L	Y 577889.490 Z 81003.995
PW686	65+00.00	38.83 R	Y 577889.490 Z 81003.995
PW685	66+26.45	270.69 R	Y 57701.650 Z 81133.400
PW688	68+54.63	313.60 L	Y 577625.020 Z 81351.520
PW687	70+07.22	313.60 L	Y 577625.020 Z 81351.520
PW659	75+09.19	355.12 L	Y 577276.440 Z 81327.450
OB128	77+11.00	12.11 L	Y 577124.200 Z 81590.980
C14	74+21.71	0.00 R	Y 577550.540 Z 81764.220
C14	9+00.00	0.00 R	Y 580785.946 Z 75622.250
C16	100+00.00	0.00 R	Y 579353.520 Z 83733.100
L12	108+26.60	0.00 R	Y 57491.810 Z 84190.200
C16	100+00.00	0.00 R	Y 57448.480 Z 84190.200
C12	122+88.68	0.00 R	Y 574060.924 Z 85436.762

SCHEDULE OF LANDS & INTERESTS REQUIRED					
PARCEL NUMBER	OWNER	INTEREST REQUIRED	FEE ACRES	T.L.E. ACRES	P.L.E. ACRES
26	THEBESA M. FARR REVOC. TRUST 7/15/04	TLE	-	0.06	-
27	THEBESA M. FARR	FEE	0.14	0.08	-
28	THEBESA M. FARR REVOC. TRUST 2004	FEE	0.50	-	-
29	JUSTIN R. LUMES	TLE	?	0.01	-
30	JAMIE MARTELL	TLE	-	0.01	-
31	NANCY J. BARRY	FEE & TLE	0.97	0.23	-
32	EUGENE J. STOLBERG	FEE & TLE	1.19	0.04	-
33	MARK R. SCHROEDER	FEE	0.65	-	-
34	DEBRA J. BRIES	FEE	0.05	-	-
100	WISCONSIN PUBLIC SERVICE- ELECTRIC	RELEASE OF RIGHTS			
101	AT&T WISCONSIN	RELEASE OF RIGHTS			
107	WISCONSIN PUBLIC SERVICE- GAS	RELEASE OF RIGHTS			
224	VILLAGE OF HOWARD- SANITARY (GAS)	RELEASE OF RIGHTS			
225	VILLAGE OF HOWARD- WATER				

CURVE TABLE						
CURVE	CH DISTANCE	CH BEARING	RADIUS	ARC LENGTH	PI COORDINATES	
CL200	414.25'	S 56°50'17" E	3819.72'	414.45'	Y 57172.76	X 81506.99
CL201	818.68'	S 45°28'35" E	2851.60'	821.52'	Y 575722.88	X 83482.89
CL202	545.70'	S 50°59'53" E	1145.92'	551.00'	Y 574568.11	X 84360.15

COURSE TABLE			
STN 29 R/W		REFERENCE LINE	
POINT TO	POINT		
CL2	CL3	S 59°56'47" E	7007.21
CL3	CL4	SEE CURVE CL200	
CL4	CL5	S 53°43'47" E	1829.73
CL5	CL6	SEE CURVE CL201	
CL6	CL7	S 37°13'23" E	755.64
CL7	CL8	SEE CURVE CL202	
CL8	CL1	S 64°46'23" E	909.01

POINT	STATION	OFFSET	COORDINATES	
TLE "A"				
TL6	54+37.05	652.91" L	Y 578631.417	X 80289.665
TL7	54+40.52	686.16" L	Y 578839.600	X 80301.980
TL67	55+05.06	600.07" L	Y 578548.352	X 80327.721
PRM67B	54+73.04	359.64" L	Y 578221.060	X 80413.300
TLE "B"				
RW210	56+35.24	588.31" L	Y 578472.980	X 80434.510
RW2003	56+40.77	636.03" L	Y 578511.510	X 80463.200
TLE "C"				
RW214	55+41.95	669.42" L	Y 578589.900	X 80394.390
RW2015	55+75.22	667.31" L	Y 578571.410	X 80422.130
TLE "D"				
TL6B3	64+96.66	302.14" L	Y 577793.821	X 81036.809
TL6B4	65+04.20	365.37" L	Y 577844.870	X 81075.000
TL6B5	65+06.66	514.73" L	Y 577962.226	X 81143.938
RW1076	65+10.68	610.73" L	Y 578057.410	X 81205.490

POINT TO	POINT	Bearing	DISTANCE
PC155	DB126	S 89°51'27" W	155.87'
DB126	DB127	N 59°56'47" E	265.27'
DB127	PRW645	N 30°03'13" E	244.23'
PRW645	PRW681	S 89°51'27" W	104.65'
PRW681	PRW682	S 73°48'54" E	142.50'
PRW682	PRW683	S 89°10'38" E	195.00'
PRW683	PRW648	N 03°14'34" E	42.43'
PRW648	PRW1025	S 89°51'27" W	104.65'
RH1025	PRW690	S 03°52'39" E	36.08'
PRW690	PRW692	S 47°56'22" E	112.59'
PRW692	PRW693	S 89°51'27" W	104.65'
PRW693	PRW691	S 69°28'23" E	106.62'
PRW691	PRW685	S 67°26'08" E	267.89'
PRW685	PRW553	S 19°25'19" E	160.65'
PRW553	PRW554	S 70°16'33" E	309.48'
PRW554	PRW558	S 70°16'33" E	231.19'
PRW558	PRW559	S 68°38'33" E	249.75'
PRW559	DB128	S 00°48'27" E	412.46'
DB128	CL3	S 89°51'27" W	309.48'
CL3	DB126	N 59°56'47" E	1411.18'

LOTS 299, 298, & 304 IN THE
FORT HOWARD MILITARY RESERVE

LOCATION SKETCH
(NOT TO SCALE)

FHMR 298 FHMR 297 FHMR CORNER
3/4" IP
FHMR 304 FHMR 305
Y=577951.64
X=81579.251

RESERVE FOR REGISTER OF DEEDS
PROJECT NUMBER 9202-07-23 - 4
AMENDMENT NUMBER:

ACCEPTED FOR RECORDING AND FILING IN THE
RECORDS OF THE DEPARTMENT OF REVENUE IN

OFFICE OF THE REGISTER OF DEEDS IN
BROWN COUNTY, WISCONSIN

AT 12:09 PM ON June 14, 2010
AS DOCUMENT # 2474979 AND

FILED IN 1612 of Transportation Project Plans pg 126

Utty Wilgus
SIGNATURE OF REGISTER OF DEEDS

SIGNATURE OF REGISTER OF DEEDS

TRANSPORTATION PROJECT PLAT NO: 1133-03-22-4.03

PART OF LOT 2, CSM #5478 WITHIN LOT 309 OF THE FORT HOWARD MILITARY RESERVE; AND PART OF LOT 1, CSM #7040, WITHIN LOT 110 OF THE FORT HOWARD MILITARY RESERVE; ALL WITHIN THE VILLAGE OF HOWARD, BROWN COUNTY, WISCONSIN.

RELOCATION ORDER USH 41 BROWN COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

CONVENTIONAL ABBREVIATIONS AND SYMBOLS

ACCESS POINT	AR	SECTION CORNER	SC
ACCESS RIGHTS	AR	(MATERIAL AS NOTED)	SC
ACRES	CH	SET R/W MONUMENT W/CAP	SC
CHORD BEARING	CH DIS	(1-1/4" OUTSIDE DIA. X 18"	SC
CHORD DISTANCE	CH DIS	IRON PIPE 1.13 LBS./FT.)	SC
DEED	DO	SET P.K. NAIL	SC
DOCUMENT	DOC	PROPOSED R/W	SC
EAST BOUND	EB	BOUNDARY POINT	SC
GAS VALVE	GV	PRWOOD	SC
INLET	IL	CORPORATE LIMITS	SC
LENGTH OF CURVE	L	EXISTING R/W	SC
MANHOLE	MH	SECTION LINE	SC
MONUMENT	MON	QUARTER LINE	SC
NORTH BOUND	NB	SIXTEENTH LINE	SC
PAGE	PG	PROPOSED OR NEW R/W LINE	SC
PERMANENT	PERM	PROPOSED EASEMENT LINE	SC
PERMANENT LIMITED EASEMENT	PLE	PARCEL NUMBER	SC
PRIVATE DRIVEWAY	PD	UTILITY PARCEL NUMBER	SC
PROPERTY LINE	PL	PROPERTY LINE	SC
RADIUS	R	LOT, TIE AND OTHER MINOR	SC
REFERENCE LINE	REF	DASHED LINES	SC
RIGHT OF WAY	R/W	ACCESS CONTROL	SC
SECTION	SEC	(By Previous Acquisition	SC
SECTION LINE	SL	or Covenant)	SC
FOUND IRON PIPE	IP	NO ACCESS	SC
STATION	STA	(By Acquisition)	SC
TEMPORARY LIMITED EASEMENT	TLE	(By Statutory Authority)	SC
TIE POINT	TP	LIMITED EASEMENT	SC
VOLUME	VOL	(Temporary or Permanent)	SC
ADJOINING LANDS	ADJ		SC
WITH SAME OWNER	W/EO		SC
PARALLEL TO LINE	PL		SC
BUILDING TO BE RAZED	BR		SC
FEE ACQUISITION	FA		SC

RESERVE FOR CLAUSES AND NOTE INFORMATION

RIGHT OF WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS AND ARE REFERENCED TO THE US PUBLIC LAND SURVEY OR OTHER SURVEYS OF PUBLIC RECORD.

RIGHT OF WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO OR AT THE TIME OF LAND TITLE TRANSFER.

AREAS SHOWN IN THE TOTAL ACRES COLUMN OF THE SCHEDULE OF LANDS & INTEREST TABLE 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.

COORDINATES AS SHOWN ARE NOT INTENDED TO BE USED FOR RETRACEMENT PURPOSES AND MUST BE VERIFIED WITH THE COUNTY SURVEY DEPARTMENT.

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, BROWN COUNTY, ENGLISH, NAD OF 1983 ADJUSTMENT. ALL PLAT DISTANCES ARE GROUND LENGTH.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

EXISTING RIGHT OF WAY WAS ACQUIRED FROM PROJECTS: T 02-5261, 1451-08-21 & COUNTY MAPS

EXISTING ACCESS CONTROL WAS ACQUIRED UNDER PROJECTS: T 02-5261

USH 41 IN BROWN COUNTY WAS DESIGNATED AS A FREEWAY UNDER SECTION 84.295 OF THE WISCONSIN STATUTES BY THE HIGHWAY COMMISSION ON 6/8/1972.

RIGHT OF WAY REFERENCE LINE MAY NOT BE THE SAME AS THE CONSTRUCTION REFERENCE LINE.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE TO PREVENT EROSION OF THE SOIL. ALL TLEs ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO DEPARTMENT OF TRANSPORTATION.

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF

JON L. HERBEL
PRINTED NAME
5/12/2010
DATE

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

NORMAN PAWELCZYK
PRINTED NAME
5/12/2010
DATE

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER	INTEREST REQUIRED	FEE ACRES	T.L.E. ACRES	P.L.E. ACRES
12	SANAMAX, LLC	FEE	0.28	-	-
13	DASTM LLC	FEE	1.05	0.40	-
15	TLC PROPERTIES, INC.	FEE	0.37	-	-
100	WISCONSIN PUBLIC SERVICE	RELEASE OF	-	-	-
101	AT&T WISCONSIN	RELEASE OF	-	-	-
107	WISCONSIN PUBLIC SERVICE	RELEASE OF	-	-	-
209	SEVEN BEAVER CREEK LAND	RELEASE OF	-	-	-
224	VILLAGE OF HOWARD	RELEASE OF	-	-	-
225	VILLAGE OF HOWARD	RELEASE OF	-	-	-

CURVE TABLE

CURVE	CH DISTANCE	CH BEARING	RADIUS	ARC LENGTH	PI COORDINATES
CL59	1931.35'	N 17°09'36" E	3819.72'	1952.53'	Y+574189.81 X+82449.63

FILE NAME : C:\Users\N\3303A\dn\NUSH 41\11330322\040103_rw.dgn
APPRAISAL PLAT DATE :

PLOT DATE : 18-MAY-2010 12:31

PLOT BY : \$\$\$...plotuser...\$\$\$ PLOT NAME : D3

PLOT SCALE : 100.000000:1.000000

TRANSPORTATION PROJECT PLAT NO: 1133-03-22-4.04

PART OF LOT 1, CSM #5478, AND PART OF LOT 1, CSM #1793, WITHIN LOTS 315 AND 316 IN THE FORT HOWARD MILITARY RESERVE (FHMR); INCLUDING UNPLATTED LANDS WITHIN LOTS 110, 111 AND 315 IN THE FHMR; PART OF OUTLOT 2, CSM #1639 LOCATED IN AND INCLUDING UNPLATTED LANDS WITHIN GOVERNMENT LOT 1 OF SECTION 21, T24N-R20E; ALL WITHIN THE VILLAGE OF HOWARD, BROWN COUNTY, WISCONSIN.

RELOCATION ORDER USH 41 BROWN COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

CONVENTIONAL ABBREVIATIONS AND SYMBOLS

ACCESS POINT
ACCESS RIGHTS
ACRES
CHORD BEARING
CHORD DISTANCE
DEED
DOCUMENT
EAST BOUND
GAS VALVE
INLET
LENGTH OF CURVE
MANHOLE
MONUMENT
NORTH BOUND
PAGE
PERMANENT
PERMANENT LIMITED EASEMENT
PRIVATE DRIVEWAY
PROPERTY LINE
RADIUS
REFERENCE LINE
REMAINING
RIGHT OF WAY
SECTION
SECTION LINE
FOUND IRON PIPE
STATION
TEMPORARY LIMITED EASEMENT
TIE POINT
VOLUME
ADJOINING LANDS
WITH SAME OWNER
PARALLEL TO LINE
BUILDING TO BE RAZED
FEE ACQUISITION

SECTION CORNER
(MATERIAL AS NOTED)
SET R/W MONUMENT W/CAP
(1-1/4" OUTSIDE DIA., 18")
IRON PIPE 1.13 LBS./FT.
SET P.K. NAIL
PROPOSED R/W
BOUNDARY POINT
CORPORATE LIMITS
EXISTING R/W
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
PROPOSED OR NEW R/W LINE
PROPOSED EASEMENT LINE
PARCEL NUMBER
UTILITY PARCEL NUMBER
PROPERTY LINE
LOT, TIE AND OTHER MINOR
DASHED LINES
ACCESS CONTROL
(By Previous Acquisition or
Conveyance)
NO ACCESS
(By Acquisition)
(By Statutory Authority)
LIMITED EASEMENT
(Temporary or Permanent)
ORIGINAL CREEK LINE
FROM FHMR SURVEY

FHMR CORNER

PK NAIL W/WASHER

Y=575308.974
X=81584.475

FHMR LOT 310

FHMR LOT 315

FHMR LOT 314

FHMR LOT 316

FHMR LOT 311

FHMR LOT 312

FHMR LOT 313

FHMR LOT 317

FHMR LOT 318

FHMR LOT 319

FHMR LOT 320

FHMR LOT 321

FHMR LOT 322

FHMR LOT 323

FHMR LOT 324

FHMR LOT 325

FHMR LOT 326

FHMR LOT 327

FHMR LOT 328

FHMR LOT 329

FHMR LOT 330

FHMR LOT 331

FHMR LOT 332

FHMR LOT 333

FHMR LOT 334

FHMR LOT 335

FHMR LOT 336

FHMR LOT 337

FHMR LOT 338

FHMR LOT 339

FHMR LOT 340

FHMR LOT 341

FHMR LOT 342

FHMR LOT 343

FHMR LOT 344

FHMR LOT 345

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FHMR LOT 347

FHMR LOT 348

FHMR LOT 349

FHMR LOT 350

FHMR LOT 351

FHMR LOT 352

FHMR LOT 353

FHMR LOT 354

FHMR LOT 355

FHMR LOT 356

FHMR LOT 357

FHMR LOT 358

FHMR LOT 359

FHMR LOT 360

FHMR LOT 361

FHMR LOT 362

FHMR LOT 363

FHMR LOT 364

FHMR LOT 365

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TRANSPORTATION PROJECT PLAT NO: 1133-03-22-4.05

PART OF LOT 1, CSM #5760 WITHIN LOTS 305 AND 309, IN THE FORT HOWARD MILITARY RESERVE (FHMR);
PART OF LOT 1, CSM #6256 AND INCLUDING UNPLATTED LANDS WITHIN LOT 304 IN THE FHMR;
ALL LOCATED WITHIN THE VILLAGE OF HOWARD, BROWN COUNTY, WISCONSIN.

RELOCATION ORDER USH 41BROWN COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS Laid OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

CONVENTIONAL ABBREVIATIONS AND SYMBOLS

ACCESS POINT	AP	SECTION CORNER	SC
ACCESS RIGHT	AR	MATERIAL (AS NOTED)	MA
ACROSS	ON BPS	SET R/W MONUMENT W/ CAP	OWM
CHORD BEARING	CH B	(1/4" OUTSIDE DIA. 1/8")	OD
CHORD DISTANCE	CH D	IRON PIPE 1.13 LBS-FT	IP
DEED	DE	SET P.W. NAIL	PN
DOCUMENT	DOC	BOUNDARY POINT	BP
EAST BOUND	EB	CORPORATE LIMITS	CL
GAS VALVE	GV	EXISTING R/W	ERW
LENGTH OF CURVE	LC	QUARTER LINE	QL
MARKER	M	SIXTEENTH LINE	SL
NORTH BOUND	NB	PROPOSED OR NEW R/W LINE	PRW
PAGE	P	PROPOSED EASEMENT LINE	PEL
PERMANENT	PERM	PARCEL NUMBER	PN
PERMANENT LIMITED EASEMENT	PLE	UTILITY PARCEL NUMBER	UPN
PRIVATE DRIVEWAY	PD	PROPERTY LINE	PL
PROPERTY LINE	PL	LOT, TIE AND OTHER MINOR	LOT
RADIUS	R	DASHED LINES	DL
REVERSE CURVE	RC	ACCESS CONTROL	AC
RIGHT OF WAY	R/W	(By Acquisition)	ACQ
SECTION	SEC	(By Statutory Authority)	STA
SECTION LINE	SL	NO ACCESS	NA
FOUND IRON PIPE	FIP	(Temporary or Permanent)	TEMP
STATION	ST	ORIGINAL CREEK LINE	CL
TEMPORARY LIMITED EASEMENT	TLE	FROM FHMR SURVEY	FHMR
TIE POINT	TP		
VOLUME	VOL		
ADJOINING LANDS	ADJ		
WITH SAME OWNER	W/ SO		
PARALLEL TO LINE	PTL		
BUILDING TO BE RAZED	BR		
FEE ACQUISITION	FA		

RESERVE FOR CLAUSES AND NOTE INFORMATION

RIGHT OF WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS AND ARE REFERENCED TO THE US PUBLIC LAND SURVEY OR OTHER SURVEYS OF PUBLIC RECORD.

RIGHT OF WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO OR AT THE TIME OF LAND TITLE TRANSFER.

AREAS SHOWN IN THE TOTAL ACRES COLUMN OF THE SCHEDULE OF LANDS & INTEREST TABLE 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.

COORDINATES AS SHOWN ARE NOT INTENDED TO BE USED FOR RETRACEMENT PURPOSES AND MUST BE VERIFIED WITH THE COUNTY SURVEY DEPARTMENT.

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, BROWN COUNTY, ENGLISH, MAD OF 1983 (1990 ADJUSTMENT). ALL PLAT DISTANCES ARE GROUND LENGTHS.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPANCIAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

EXISTING RIGHT OF WAY WAS ACQUIRED FROM PROJECTS 12-5281, 153-09-23 & COUNTY MAPS

EXISTING ACCESS CONTROL WAS ACQUIRED UNDER PROJECTS 12-5281

USH 41BROWN COUNTY WAS DESIGNATED AS A FREEWAY UNDER SECTION 84.095 OF THE WISCONSIN STATUTES BY THE HIGHWAY COMMISSION ON 6/1/1972.

RIGHT OF WAY REFERENCE LINE MAY NOT BE THE SAME AS THE CONSTRUCTION REFERENCE LINE.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE TO PREVENT EROSION OF THE SOIL. ALL TLEs ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE TO PREVENT EROSION OF THE SOIL, BUT WITHOUT PREJUDICE TO THE OWNERS RIGHT TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO DEPARTMENT OF TRANSPORTATION.

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES, THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF

JON L. HERBEL
PRINTED NAME
SIGNATURE
DATE 10/25/2010

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

NORMAN PAWELCZYK
PRINTED NAME
SIGNATURE
DATE 10/25/2010

COURSE	CH DISTANCE	CH BEARING	RADIUS	ARC LENGTH	PT COORDINATES
CL200	414.25'	S 56°50'17" E	3819.72'	414.45'	Y 57172.76 X 81506.99
CL201	818.68'	S 45°28'35" E	2851.60'	821.52'	Y 51572.88 X 83482.89
CL202	545.70'	S 50°59'53" E	1145.92'	551.00'	Y 51456.11 X 84360.15

COURSE	CH DISTANCE	CH BEARING	RADIUS	ARC LENGTH	PT COORDINATES
CL3	CL3	S 59°56'47" E	7007.27'		
CL4	CL4	SEE CURVE CL200			
CL5	CL5	S 53°43'47" E	1829.73'		
CL6	CL6	SEE CURVE CL201			
CL7	CL7	S 37°13'23" E	755.64'		
CL8	CL8	SEE CURVE CL202			
CL9	CL9	S 64°45'23" E	509.07'		

POINT	STATION	OFFSET	COORDINATES	POINT TO POINT	BEARING	DISTANCE
DB249	65+04.59	0.00' R	Y 577528.383 X 80892.351	PC159	DB219	N 89°53'12" W 641.61'
DB250	65+16.56	155.08' R	Y 577389.890 X 80826.050	DB219	DB248	N 53°43'07" W 555.96'
DB251	65+20.59	204.49' R	Y 577343.191 X 80803.191	DB248	PRW776	S 31°43'54" W 211.86'
PRW517	66+72.08	204.39' R	Y 577267.593 X 80934.064	PRW776	PRW593	N 58°42'29" W 63.36'
PRW518	69+07.43	205.92' R	Y 577350.130 X 81138.909	PRW593	PRW594	N 88°15'06" W 41.53'
CL3	70+07.27	0.00' L	Y 577276.640 X 81327.450	PRW594	PRW520	N 49°59'53" W 137.79'
PRW519	70+13.07	217.62' R	Y 577085.524 X 81223.198	PRW520	PRW519	N 55°07'51" W 286.15'
PRW520	73+16.83	229.87' R	Y 576921.929 X 81457.976	PRW519	PRW518	N 52°31'50" W 105.20'
CL4	74+23.71	0.00' R	Y 577050.040 X 81614.220	PRW518	PRW517	N 60°03'36" W 235.35'
PRW594	74+60.66	240.20' R	Y 576833.345 X 81563.518	PRW517	PRW779	N 60°03'36" W 151.48'
PRW593	74+94.87	216.67' R	Y 576832.078 X 81605.029	PRW779	DB249	N 25°34'55" E 205.31'
DB248	75+40.86	0.00' R	Y 576979.553 X 81770.286	DB249	CL3	S 59°56'46" E 502.68'
PRW777	75+51.18	127.19' R	Y 576805.524 X 81703.363	CL3	DB248	S 53°43'53" E 119.15'
PRW778	75+55.95	185.89' R	Y 576820.761 X 81672.476			
PRW776	75+58.00	211.17' R	Y 576799.167 X 81659.175			
PLE75	75+76.28	185.66' R	Y 576807.736 X 81690.818			
PRW778	77+32.66	112.39' R	Y 576775.475 X 81858.432			
PLE76	77+32.72	135.48' R	Y 576758.436 X 81846.005			
PLE77	78+11.63	136.72' R	Y 576613.845 X 81986.077			
PRW721	79+12.90	119.78' R	Y 576627.390 X 82047.750			
PRW722	80+29.35	198.33' R	Y 576530.663 X 82046.790			
DB219	81+36.82	0.00' R	Y 576606.988 X 82250.769			
PC159	86+54.91	378.58' L	Y 576625.717 X 82892.437			

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305 LOT 896

FILE "A" COURSE	POINT TO POINT	BEARING	DISTANCE
PC159	DB219	N 89°53'12" W	641.67'
DB219	DB248	N 53°43'07" W	555.96'
DB248	PRW776	S 31°43'54" W	211.86'
PRW776	PRW593	N 58°42'29" W	63.36'
PRW593	PRW594	N 88°15'06" W	41.53'
PRW594	PRW520	N 49°59'53" W	137.79'
PRW520	PRW519	N 55°07'51" W	286.15'
PRW519	PRW518	N 52°31'50" W	105.20'
PRW518	PRW517	N 60°03'36" W	235.35'
PRW517	PRW779	N 60°03'36" W	151.48'
PRW779	DB249	N 25°34'55" E	205.31'
DB249	CL4	S 59°56'46" E	502.68'
CL4	DB248	S 53°43'53" E	119.15'

PARCEL NUMBER	OWNER	INTEREST REQUIRED	FEE ACRES	T.L.E. ACRES	P.L.E. ACRES	H.E. ACRES
21	STANGE INVESTMENTS, LLP	FEE	0.121	-	-	-
22	D.A.S.T.M. LLC	FEE	0.224	-	-	-
23	NANCY L. BARRI	FEE	332.451	-	-	-
26	SPRUELL, CHAMBERS & REYNOLDS, LIVING TRUST 6-17-1994	FEE	0.593	-	-	-
27	THE VILLAGE OF HOWARD	FEE	0.201	-	-	-
28	B & E BARRON INC.	FEE	0.286	0.621	0.370	-
107	WISCONSIN PUBLIC SERVICE	RELEASE OF	-	-	-	-
310	ATNY LEGACY	RELEASE OF	-	-	-	-
224	INDIANA, WISCONSIN	-	-	-	-	-
225	VILLAGE OF HOWARD	-	-	-	-	-

2496910

CATHY WILLIQUETTE
BROWN COUNTY RECORDER
GREEN BAY, WI

RECORDED ON
10/25/2010 02:27:27PM

REC FEE: \$25.00
TRANS FEE:
EXEMPT #
PAGES: 1

RESERVE FOR REGISTER OF DEEDS
PROJECT NUMBER 1133-03-22-4.05
AMENDMENT NUMBER:

GRAPHIC SCALE, FEET

0 100 200

HOWARD

FHMR LOT 309



LOCATION SKETCH
(NOT TO SCALE)

TRANSPORTATION PROJECT PLAT NO: 1133-03-22-4.06

PART OF LOT 1, CSW #5886, INCLUDING UNPLATTED LANDS WITHIN OFS 20 AND 21 IN THE PORT HOWARD
VILLAGE RESERVE (H-V-R) PARCEL OF LOT 1, CSW #1040 WITHIN OFS 10 AND 11 IN THE
CSW #199 WITHIN OFS 10 AND 11 IN THE VILLAGE OF HOWARD,
BROWN COUNTY, WISCONSIN.

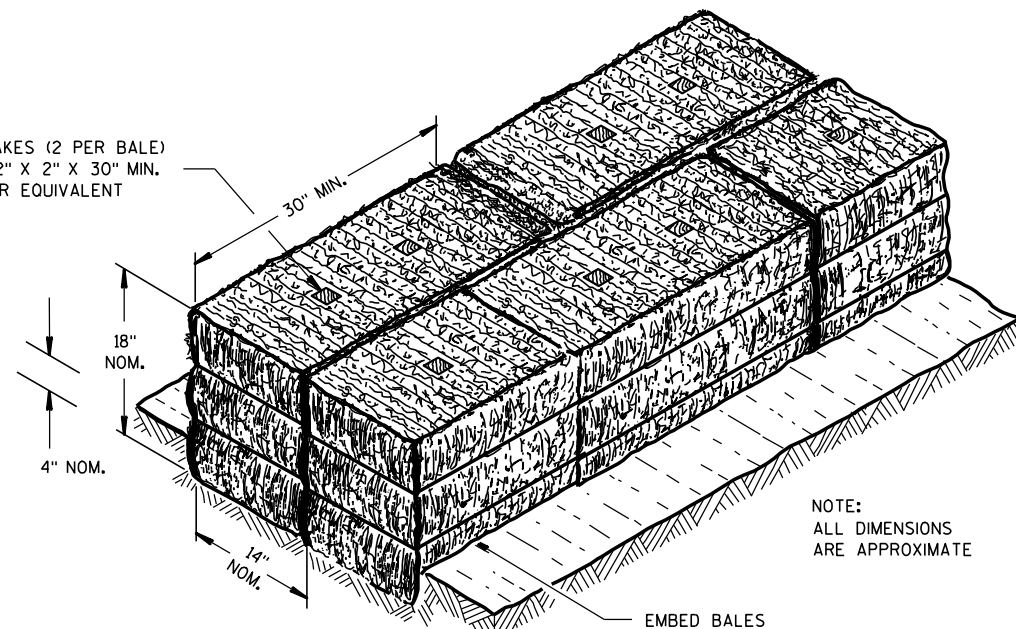
RECORDATION ORDER NO. 1133-03-22-4.06

TO IMPROVE THE QUALITY OF TRAVEL, IMPROVE THE SAFETY OF THE HIGHWAY, AND TO MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED AS
THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION (DOT) ROUTE 41, A PORTION OF THE HIGHWAY AND ADJACENT LOTS, LOTS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 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, 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2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2

Standard Detail Drawing List

08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
15B03-13A	FENCE CHAIN LINK
15B03-13B	FENCE CHAIN LINK
15D20-02	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D27-02	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

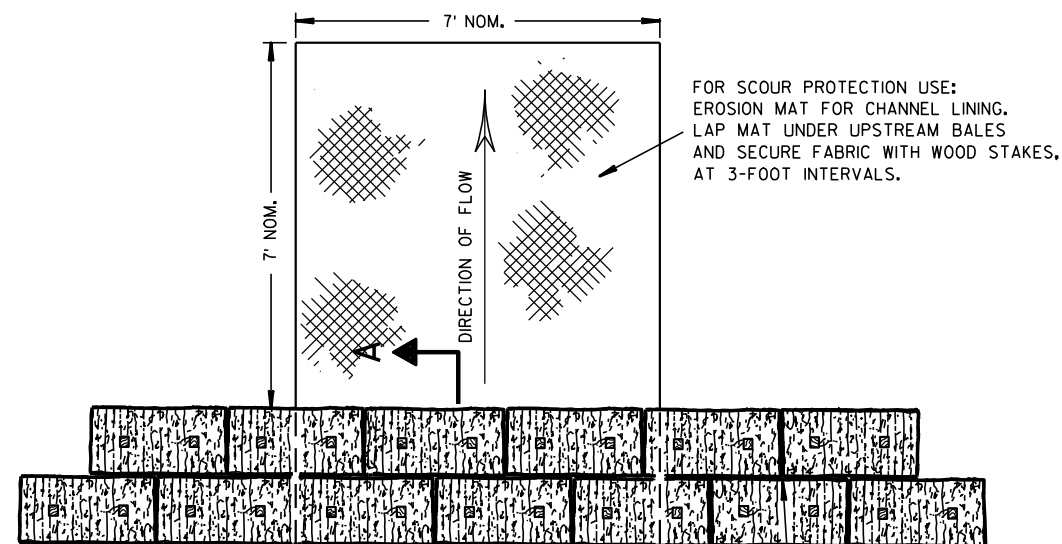
WOOD STAKES (2 PER BALE)
NOMINAL 2" X 2" X 30" MIN.
LENGTH OR EQUIVALENT



NOTE:
ALL DIMENSIONS
ARE APPROXIMATE

EMBED BALES

SECTION A-A

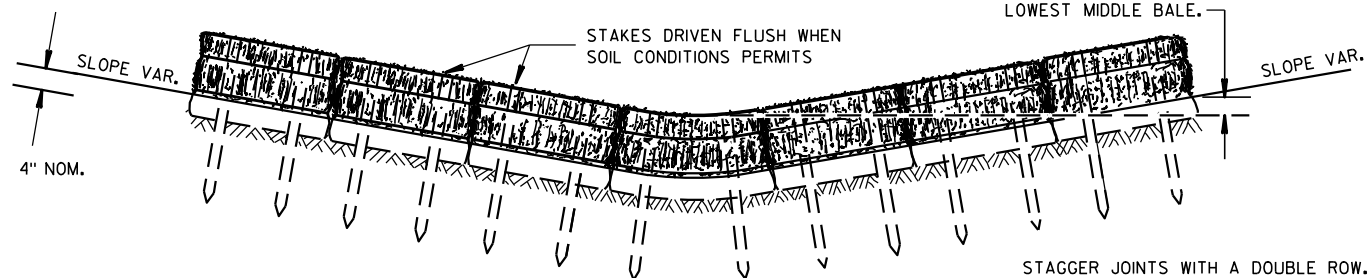


FOR SCOUR PROTECTION USE:
EROSION MAT FOR CHANNEL LINING.
LAP MAT UNDER UPSTREAM BALES
AND SECURE FABRIC WITH WOOD STAKES,
AT 3-FOOT INTERVALS.

PLAN VIEW

STAGGER JOINTS BETWEEN ADJACENT
ROWS OF BALES.

BOTTOM ELEVATION OF END BALE SHALL
BE EQUAL TO OR GREATER THAN TOP OF
LOWEST MIDDLE BALE.



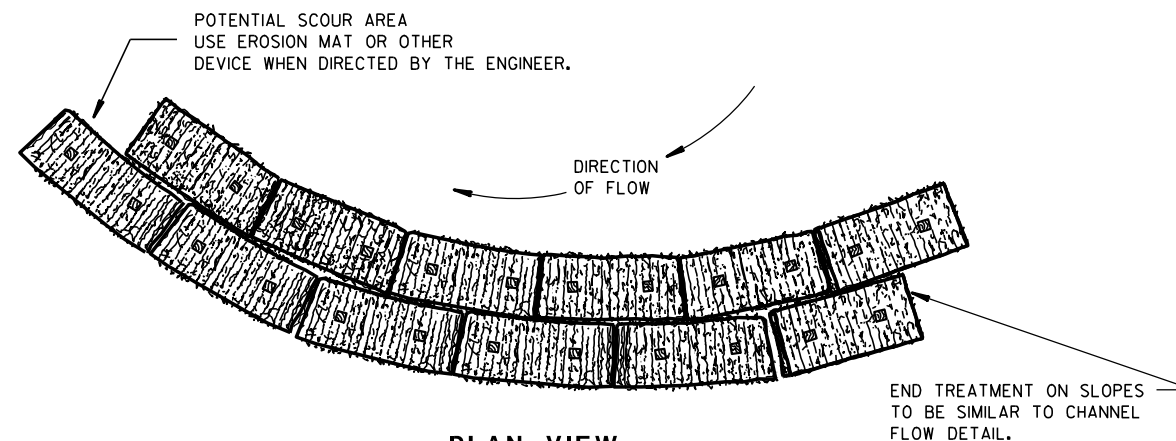
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

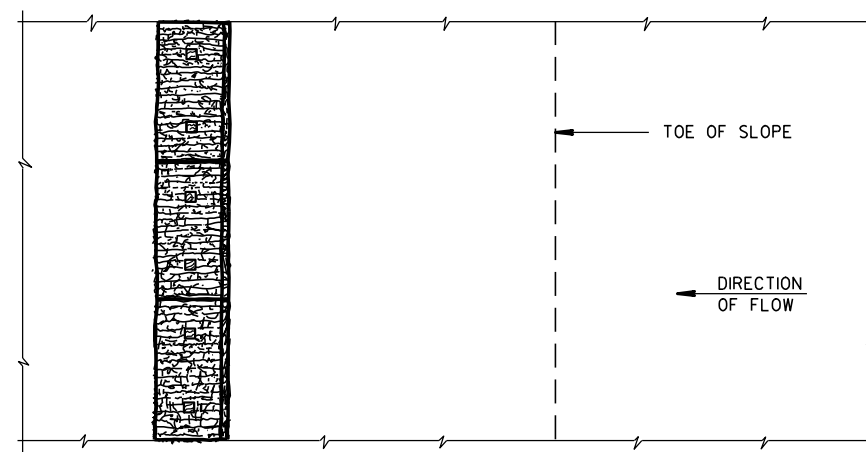
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

- ① TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

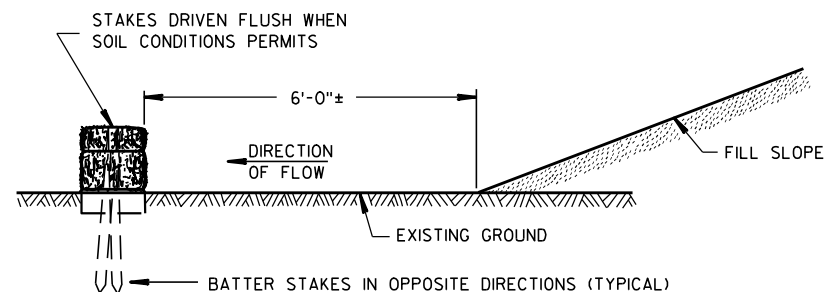


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

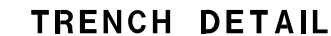
6/04/02
DATE

FHWA

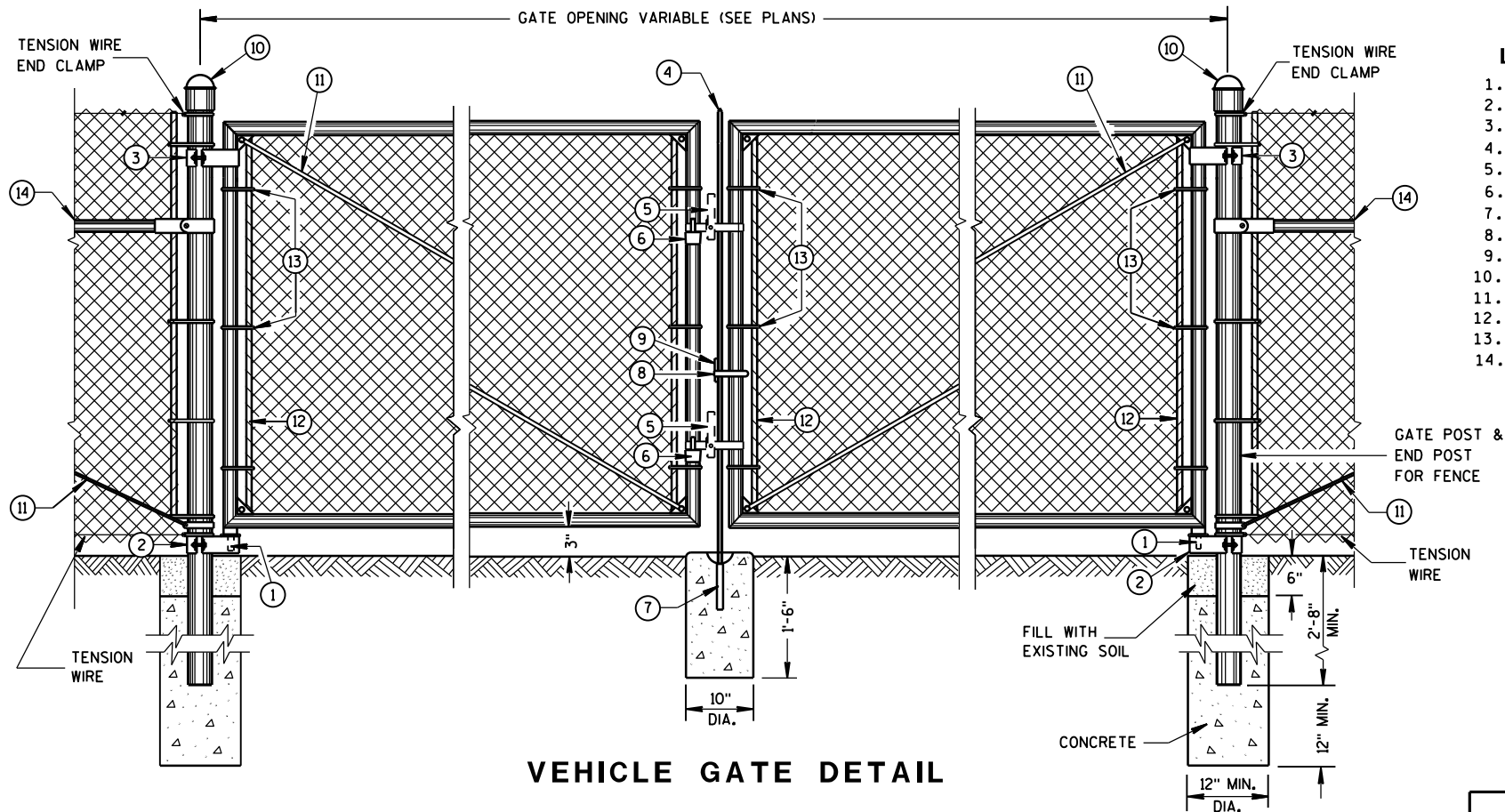
/S/ Beth Canestra
CHIEF ROADWAY DEVELOPMENT ENGINEER



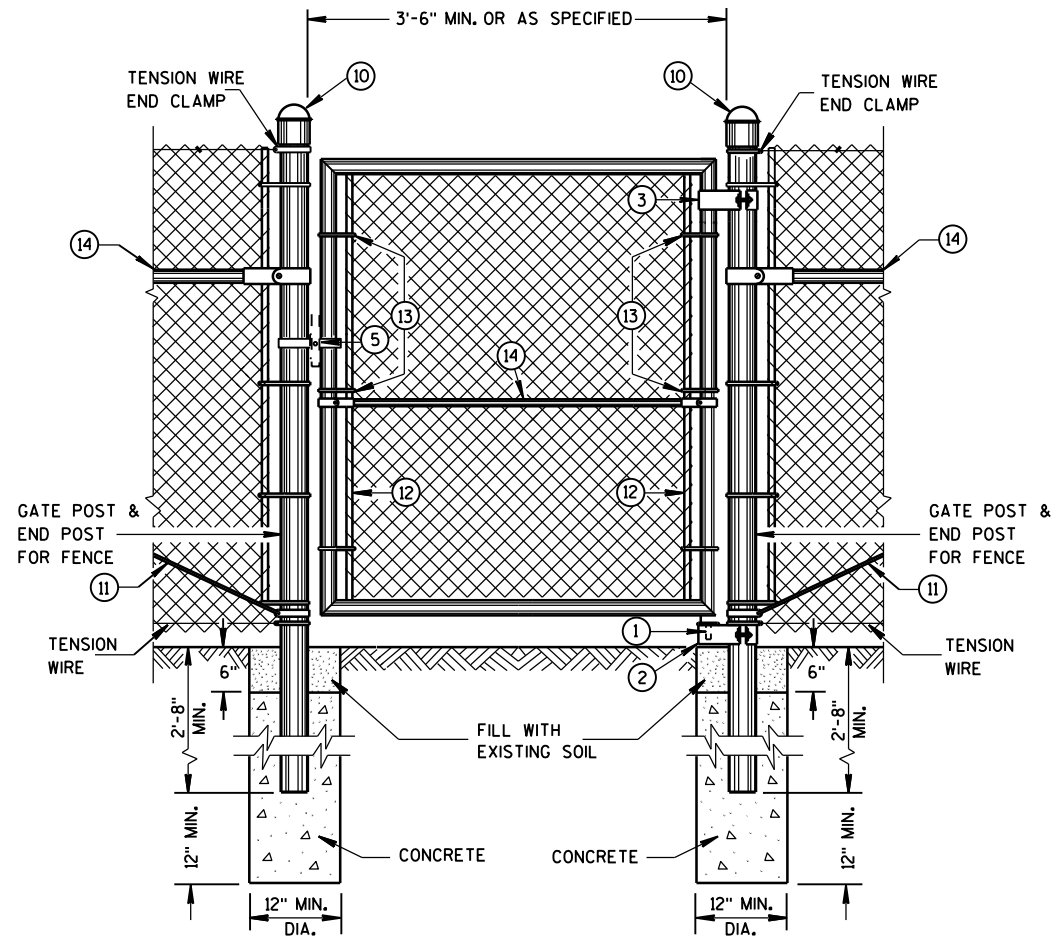
- ① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- ② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- ③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1½" X 1½" OF OAK OR HICKORY.
- ④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- ⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



SILT FENCE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED <u>4-29-05</u> DATE	<u>/S/ Beth Cannestra</u> CHIEF ROADWAY DEVELOPMENT ENGINEER



VEHICLE GATE DETAIL



PEDESTRIAN GATE DETAIL

LEGEND

- 1. STRAIGHT PLUG
- 2. BOTTOM HINGE
- 3. TOP HINGE
- 4. PLUNGER ROD
- 5. FULCRUM LATCH
- 6. FORK CATCH *
- 7. PLUNGER ROD CATCH
- 8. LOCK KEEPER GUIDE
- 9. LOCK KEEPER
- 10. DOME TOPS
- 11. TRUSS RODS
- 12. TENSION BAR
- 13. TENSION BANDS
- 14. BRACE RAIL

*NOT REQUIRED ON SINGLE SWING PEDESTRIAN GATE

GENERAL NOTES

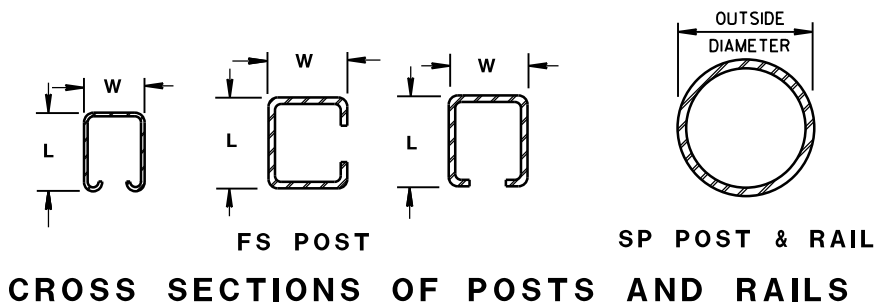
FENCE POSTS INSTALLED ON CONCRETE WALLS SHALL BE ANCHORED INTO EMBEDDED METAL SLEEVES OR CORED HOLE BY FILLING THE ANNULAR SPACE WITH PEA GRAVEL FOLLOWED BY AN EPOXY RESIN ADHESIVE. THE EPOXY RESIN ADHESIVE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 235, CLASS A, B OR C.

USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

FOR LEAF GATES GREATER THAN 8 FEET WIDE, INSTALL INTERIOR VERTICAL BRACE RAIL AT 8 FOOT INTERVALS.

FOR FABRIC HEIGHTS GREATER THAN 8 FEET, INSTALL INTERIOR HORIZONTAL BRACE RAILS TO LEAF GATE.

MAXIMUM SAG FOR OUTER GATE MEMBER SHALL NOT EXCEED THE GREATER OF 1% OF THE LEAF GATE WIDTH OR 2 INCHES.



SHAPE, SIZE AND WEIGHT REQUIREMENTS FOR FORMED STEEL FENCE POST

POST TYPE	LENGTH (L) INCH	WIDTH (W) INCH	WEIGHT LBS/FT
FS1	1.625	1.25	1.35
FS2†	1.875	1.625	1.850
FS2	1.875	1.625	2.400
FS3	2.250	1.700	2.780

SHAPE, SIZE AND WEIGHT REQUIREMENTS FOR ROUND STEEL FENCE POST

POST TYPE	OUTSIDE DIMENSION INCH	WALL THICKNESS INCH	WEIGHT LBS/FT
SP1	1.660	0.140	2.270
SP2	1.900	0.145	2.720
SP3	2.375	0.154	3.650
SP4	2.875	0.203	5.800
SP5	4.000	0.226	9.120
SP6	6.625	0.280	18.990
SP7	8.625	0.322	28.580

REQUIRED FENCE POST SIZES

USE	FABRIC HEIGHTS FEET	POST TYPE
TERMINAL POSTS **	LESS THAN OR EQUAL TO 6 FT.	SP3
	GREATER THAN OR EQUAL TO 6 FT.	SP4
LINE POSTS	LESS THAN OR EQUAL TO 6 FT.	SP2
	LESS THAN OR EQUAL TO 8 FT.	SP3
	GREATER THAN OR EQUAL TO 8 FT.	SP4
	LESS THAN OR EQUAL TO 8 FT.	FS2 OR FS2†
	GREATER THAN OR EQUAL TO 8 FT.	FS3

REQUIRED POST SIZE FOR GATES

USE	LEAF WIDTHS FEET	POST TYPE
GATES	LESS THAN OR EQUAL TO 6 FT.	SP4
	LESS THAN OR EQUAL TO 13 FT.	SP5
	LESS THAN OR EQUAL TO 18 FT.	SP6
	LESS THAN OR EQUAL TO 23 FT.	SP7

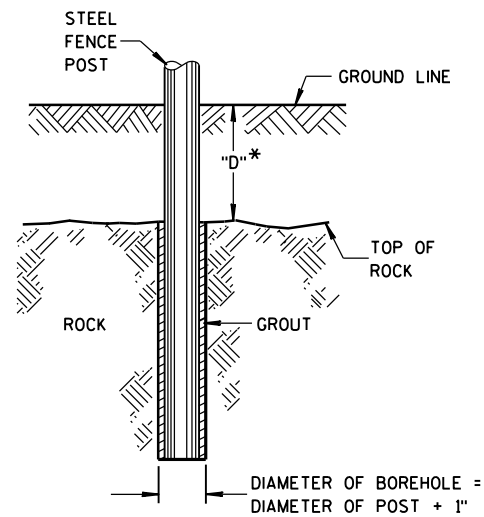
BRACE RAIL TYPES

USE	TYPE
BRACE RAIL	SP1 OR FS1

** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

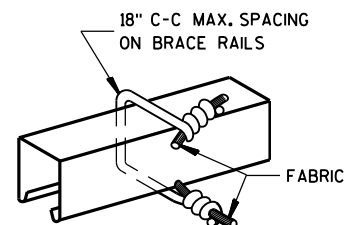
FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



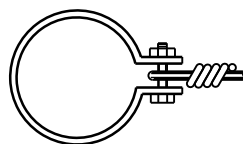
* IF "D" IS LESS THAN 2'-6",
DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST

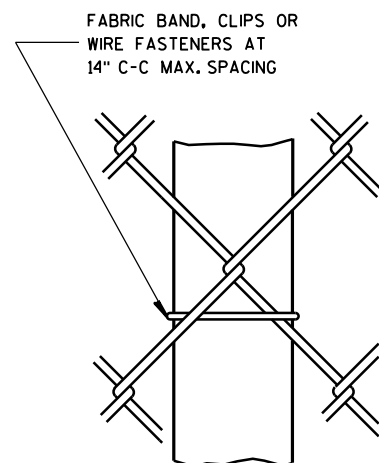


BRACE RAIL FABRIC FASTENER

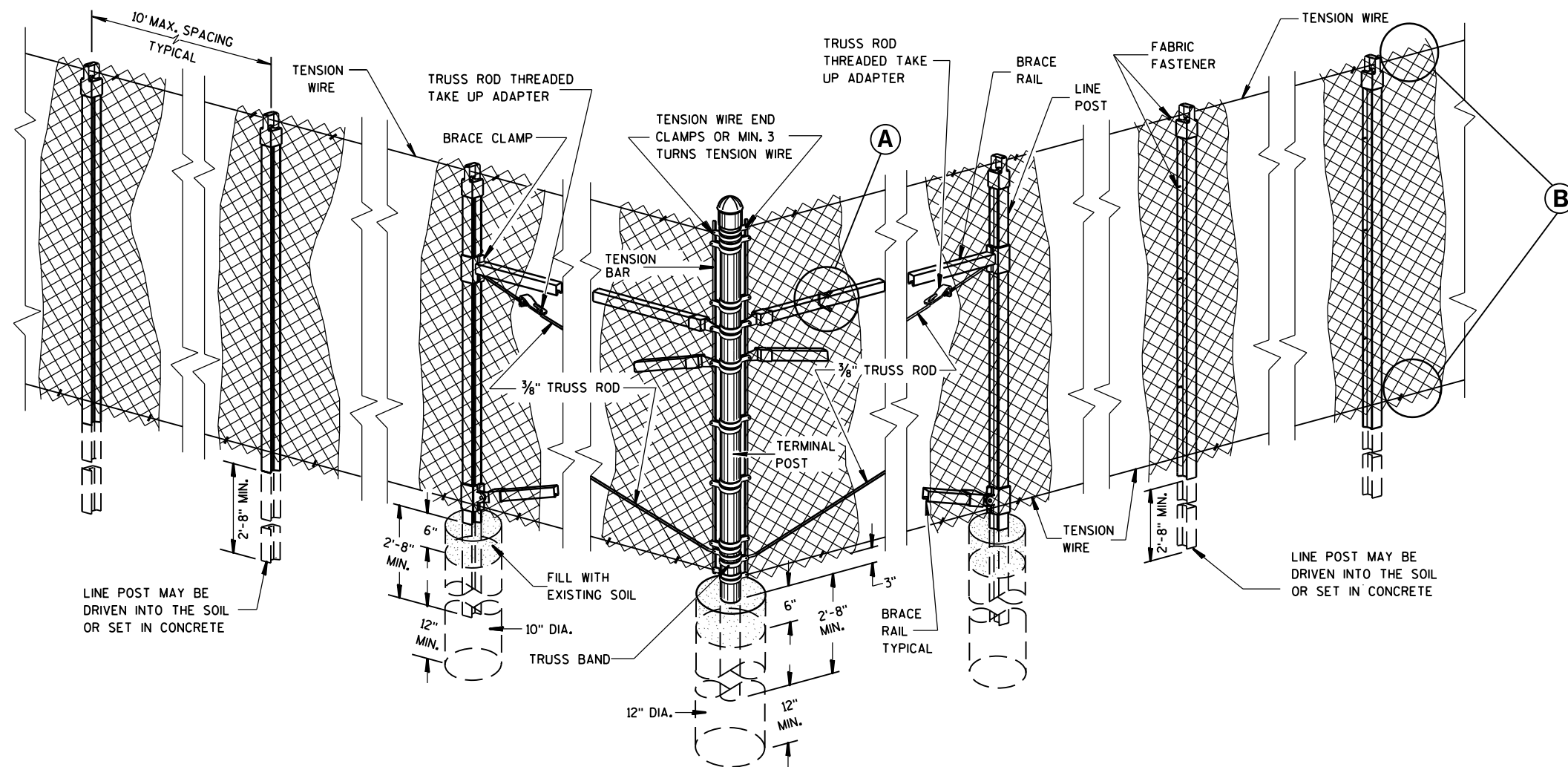
(A)



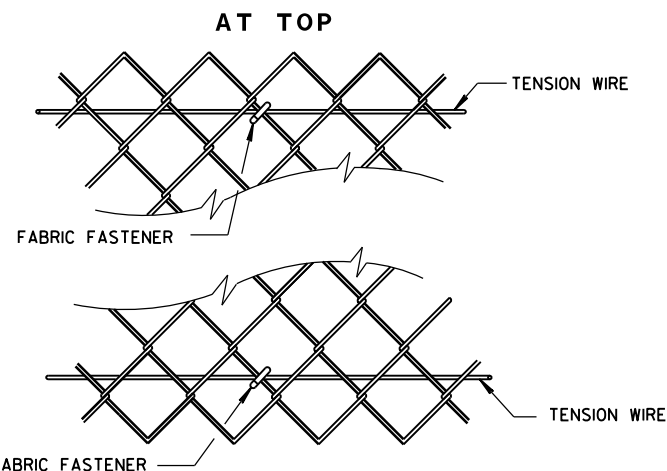
TENSION WIRE END CLAMP



LINE POST FABRIC FASTENER



END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



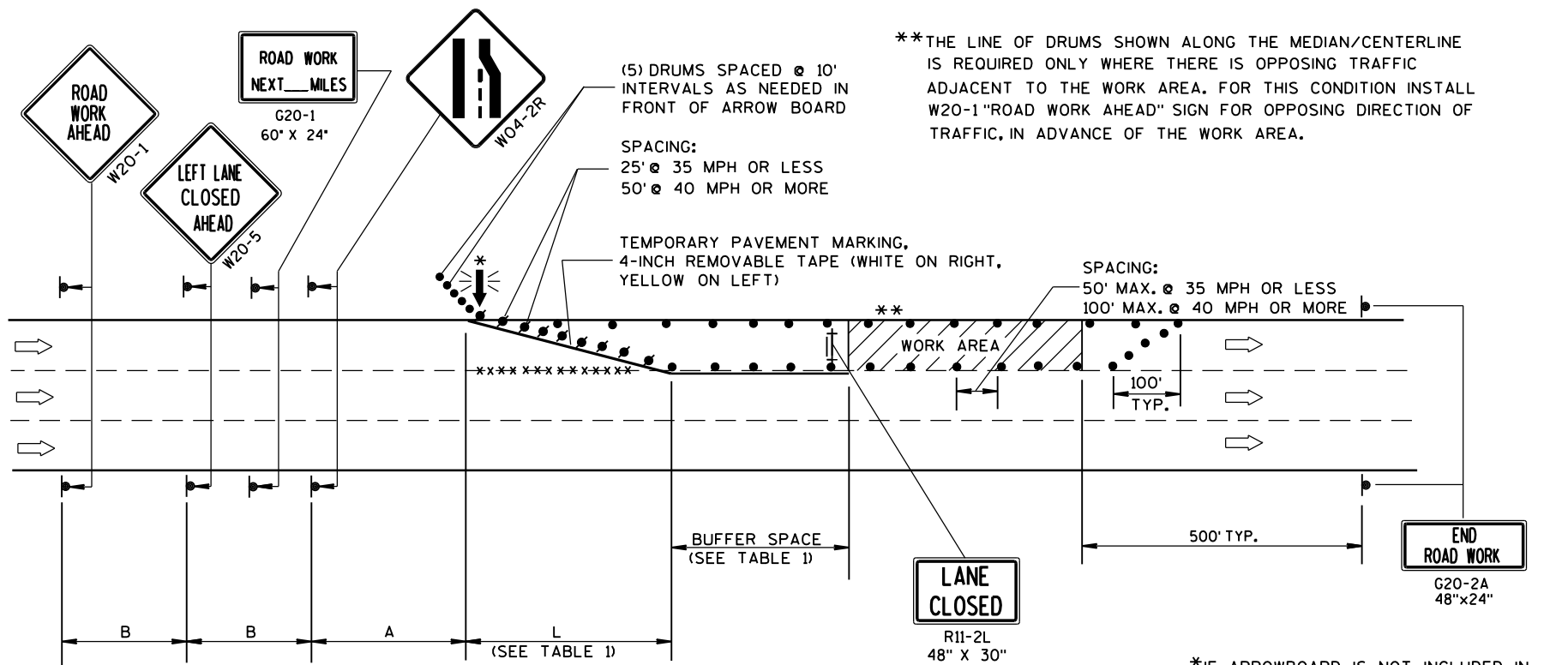
(B)

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/16/2013
DATE
FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT
ENGINEER



B=400' AT 25-30 MPH
700' AT 35-40 MPH
1000' AT 45-55 MPH

A=200' AT 25-30 MPH
350' AT 35-40 MPH
500' AT 45-55 MPH

TABLE 1
TAPER AND BUFFER SPACE
FOR 12' LANE WIDTH

S	L	BUFFER SPACE
25	125'	55'
30	180'	85'
35	245'	120'
40	320'	170'
45	540'	220'
50	600'	280'
55	660'	335'

FOR LANE WIDTH OTHER THAN 12':

L = WS AT 45 MPH OR GREATER
L = $\frac{WS^2}{60}$ AT 40 MPH OR LESS
L = TAPER LENGTH IN FEET
S = NON-CONSTRUCTION SPEED LIMIT (MPH)
W = WIDTH OF LANE CLOSURE

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

ON UNDIVIDED ROADWAYS, OMIT THE SIGNS SHOWN ON LEFT SIDE OF ROAD.

W20-1, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS.

PLACE THE ARROWBOARD AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE LANE CLOSURE TAPER, PREFERABLY ON THE SHOULDER OR TERRACE.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

TRAFFIC CONTROL,
SINGLE LANE CLOSURE,
NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/2013 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA

LEGEND

- TRAFFIC CONTROL DRUM
- ⦿ SIGN ON PERMANENT SUPPORT
- ➡ DIRECTION OF TRAFFIC
- ⚡➡ FLASHING ARROW BOARD
- ▨ WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

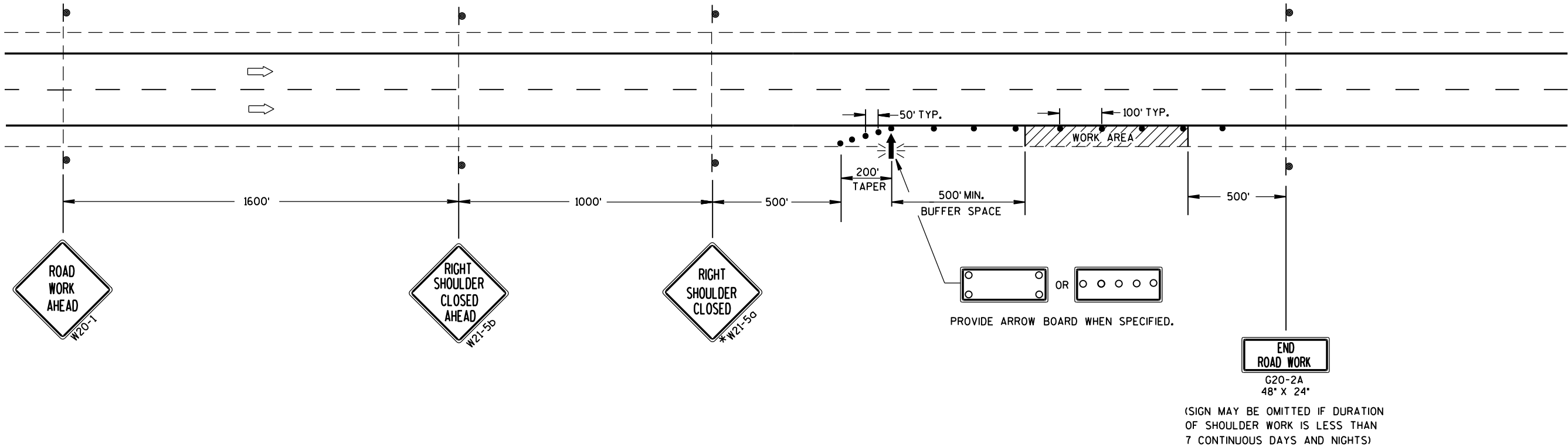
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

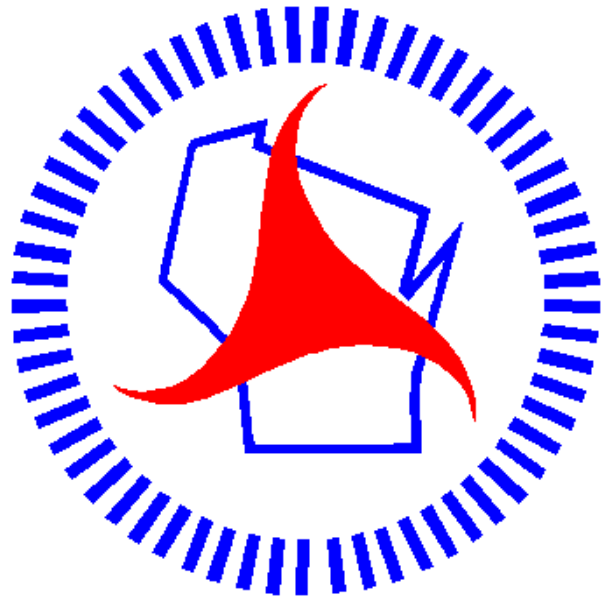
WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 8/2013 DATE	/S/ Travis Feltz STATE TRAFFIC ENGINEER OF DESIGN
FHWA	

Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

<http://www.dot.wisconsin.gov>