

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 = 122



DESIGN DESIGNATION	IH 894 AT UP RR X-ING	USH 45 AT WISCONSIN AVE.	IH 94 AT HANK AARON STATE TRAIL X-ING
A.A.D.T. 2016	= 169,100	= 159,400	= 145,200
A.A.D.T. 2035	= 221,800	= 197,500	= 178,800
D.H.V. 2035	= 7,519 NB/8,510 SB	= 6,913 NB/6,438 SB	= 6,219 EB/6,625 WB
D.D.	= 46.9% NB/53.1% SB	= 51.8% NB/48.2% SB	= 48.4% EB/51.6% SB
T.	= 11% NB/11% SB	= 10% NB/13% SB	= 9% EB/11% WB
DESIGN SPEED	= 60 MPH	= 60 MPH	= 60 MPH
ESALS	=	=	=

CONVENTIONAL SYMBOLS
PLAN

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

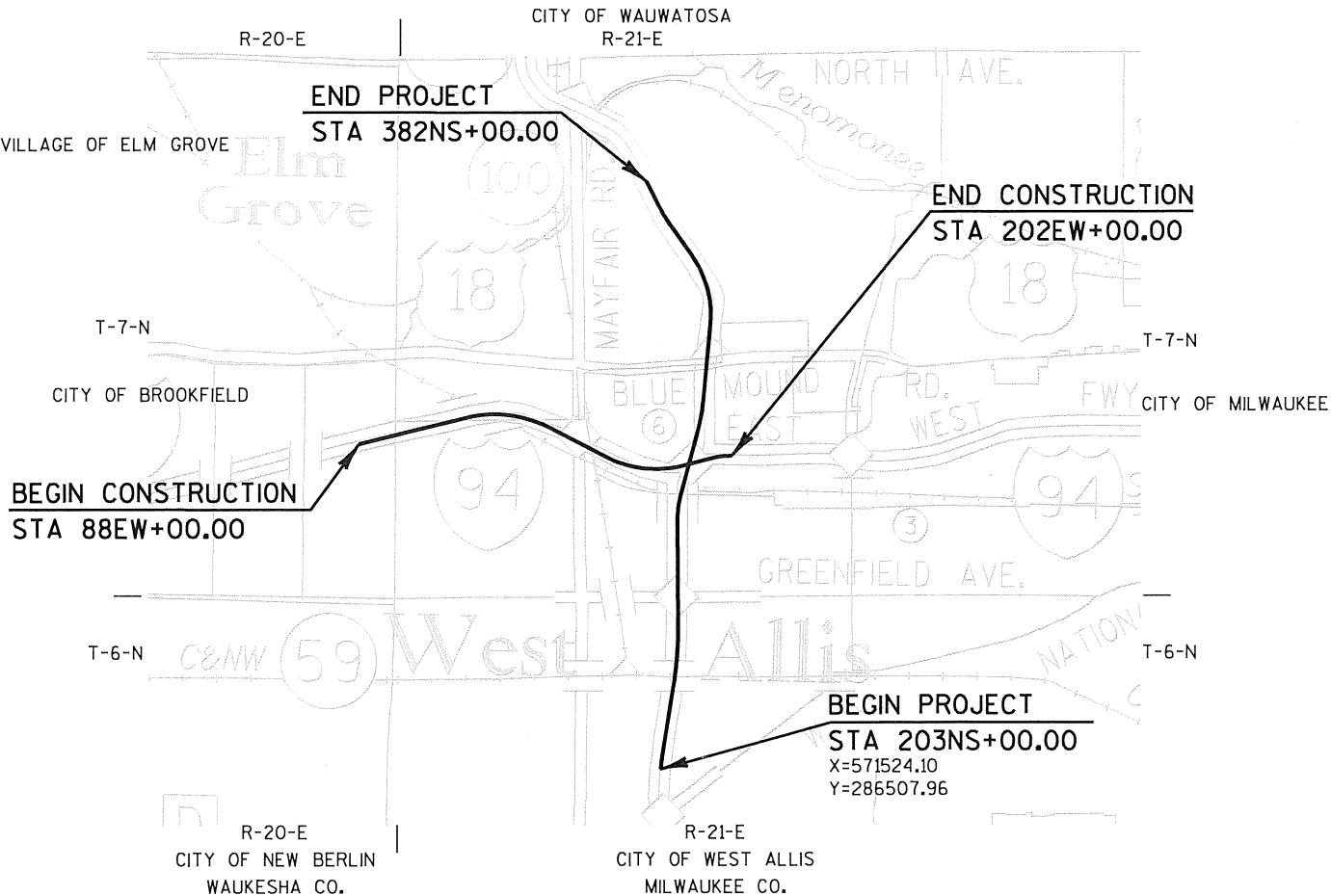
PROFILE

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PLAN OF PROPOSED IMPROVEMENT
ZOO IC - LANDSCAPING
ZOO IC PROJECT LIMITS
VAR HWY
MILWAUKEE COUNTY

STATE PROJECT NUMBER

1060-35-81



COORDINATES ON THIS PLAN ARE REFERENCED
TO THE WISCONSIN COUNTY COORDINATE SYSTEM
(WCCS), MILWAUKEE COUNTY ZONE, NAD 83 (2007)
ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO
THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007)

STATE PROJECT

1060-35-81

FEDERAL PROJECT

PROJECT

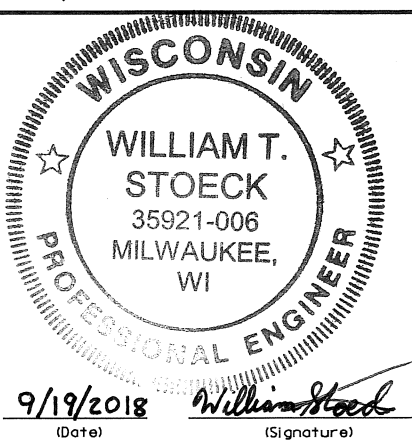
WISC 2018045

CONTRACT

1



ORIGINAL PLANS PREPARED BY
MILWAUKEE, WISCONSIN



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	FORWARD 45
Designer	FORWARD 45
Project Manager	JOSH LEVEQUE, P.E.
Regional Examiner	
Regional Supervisor	WILLIAM S. MOHR, P.E.

APPROVED FOR THE DEPARTMENT
DATE: 9/24/18

E

UTILITY CONTACTS

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AT&T WISCONSIN
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CHARTER COMMUNICATIONS
CHARTER COMMUNICATIONS
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OSP ENGINEERING DEPT.
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MILWAUKEE COUNTY – SANITARY, WATER, ELECTRIC & COMMUNICATIONS
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MILWAUKEE METROPOLITAN SEWERAGE DISTRICT
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matt.schulte@tdstelecom.com

UNION PACIFIC RAILROAD COMPANY
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jnvenice@up.com

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STATE AGENCIES

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WISCONSIN DEPARTMENT OF TRANSPORTATION
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OTHER AGENCIES

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CELL: (920) 912-1036
rmerry@sewrpc.org

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

DIGGERSHOTLINE

Dial 811 or (800) 242-8511

www.DiggersHotline.com

(CONTINUED ON NEXT SHEET)

UTILITY CONTACTS (CONTINUED)

GENERAL NOTES

STANDARD ABBREVIATIONS

WEST ALLIS, CITY OF - LIGHTING
MR. PETER DANIELS
7525 W. GREENFIELD AVENUE
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WEST SHORE PIPELINE COMPANY
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BUCKEYE PARTNERS, L.P.
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a.aufdermauer@buckeye.com

WEST ALLIS, CITY OF – SEWER & WATER
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Mary.B.Fisher@windstream.com

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NO EXISTING TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

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.

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.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED AND MULCH.

FERTILIZER SHALL NOT BE USED WITHIN 100' OF NAVIGABLE WATERWAYS OR WETLANDS.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. ALL TRAFFIC CONTROL DEVICES AND SET-UPS SHALL BE COMPLIANT WITH THE MUTCD.

FOR ALIGNMENT DATA, JOSH LEVEQUE, WISDOT (414-750-1468) IS THE CONTACT PERSON FOR THIS PROJECT.

USE CAUTION AND DO NOT DISTURB SECTION CORNERS WITHIN THE PROJECT LIMITS AS SHOWN ON THE PLAT.

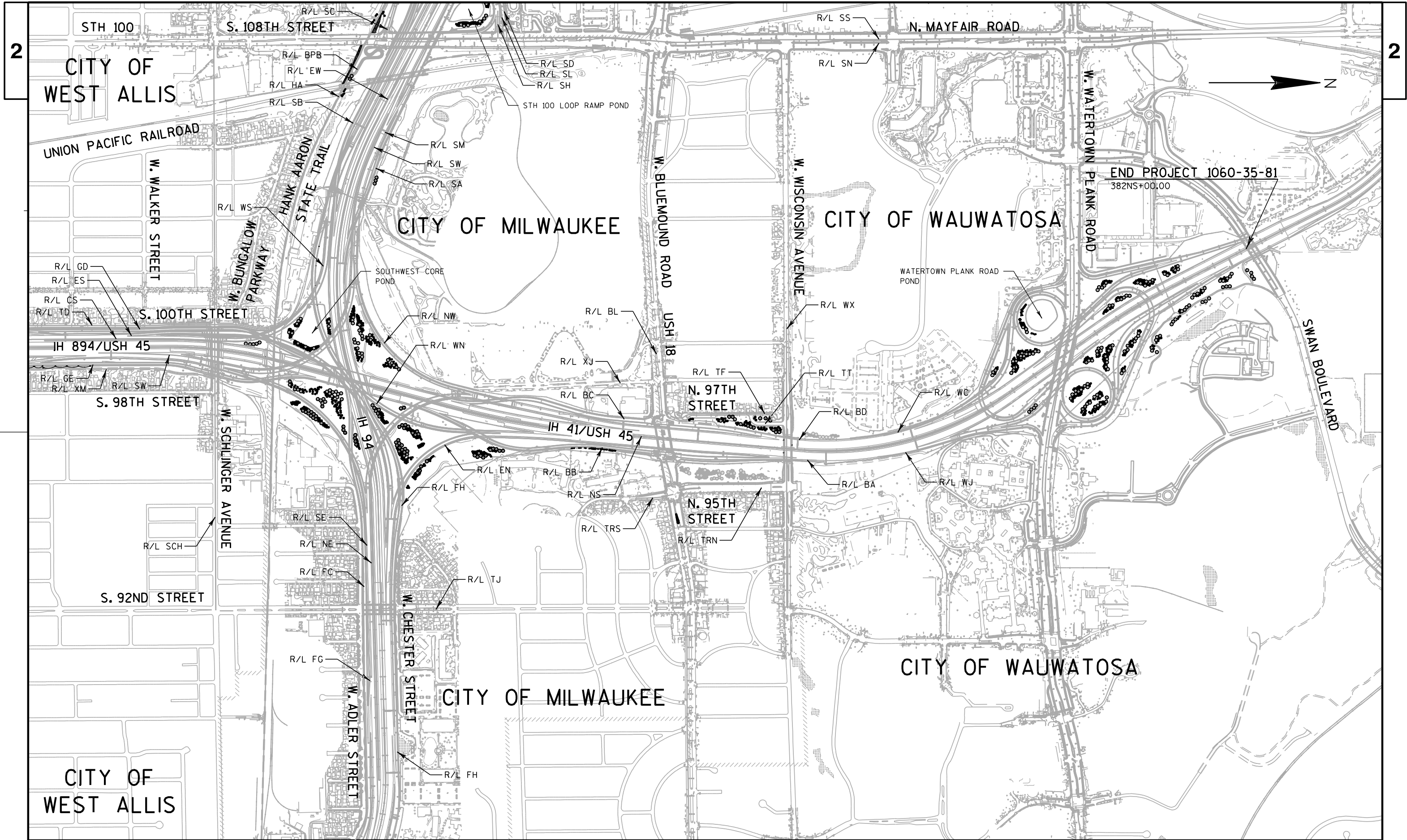
AEW	APRON END WALL
AGG	AGGREGATE
ASPH	ASPHALTIC
BAD	BASE AGGREGATE DENSE
BM	BENCH MARK
C&G	CURB AND GUTTER
C/L	CENTER OR CONSTRUCTION LINE
CMCP	CULVERT PIPE CORRUGATED METAL
CONC	CONCRETE
CP	CULVERT PIPE
CPRC	CULVERT PIPE REINFORCED CONCRETE
CSD	CONCRETE SURFACE DRAIN
CY	CUBIC YARD
D	DEGREE OF CURVE
Δ	DELTA
DISCH	DISCHARGE
EB	EASTBOUND
ENB	EXISTING NOISE BARRIER
FE	FIELD ENTRANCE
FL	FLOW LINE
HMA	HOT MIX ASPHALT
INV	INVERT
L	LENGTH OF CURVE
LHF	LEFT HAND FORWARD
LP	LOW POINT
LT	LEFT
MIN	MINIMUM
M/L	MATCHLINE
NB	NORTHBOUND
NC	NORMAL CROWN
PAVT	PAVEMENT
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PE	PRIVATE ENTRANCE
PI	POINT OF INTERSECTION
PGL	PROFILE GRADE LINE
PLE	PERMANENT LIMITED EASEMENT
PNB	PROPOSED NOISE BARRIER
PRC	POINT OF REVERSE CURVE
PT	POINT OF TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RC	REVERSE CROWN
RCAEW	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE
REQD	REQUIRED
RHF	RIGHT HAND FORWARD
RO	RUN OFF LENGTH
RRSP	RAILROAD SPIKE
RT	RIGHT
SALV	SALVAGED
SAPBC	SALVAGED ASPHALTIC PAVEMENT BASE COARSE
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWING
SE	SUPER ELEVATION
SF	SQUARE FOOT
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH
TLE	TEMPORARY LIMITED EASEMENT
VCL	VERTICAL CURVE LENGTH
VPC	POINT OF VERTICAL CURVE
VPI	POINT OF VERTICAL INTERSECTION
VPT	POINT OF VERTICAL TANGENT
WB	WESTBOUND

ORDER OF SECTION 2 DETAIL SHEETS

- GENERAL NOTES
- PROJECT OVERVIEWS
- STORMWATER MANAGEMENT
- EXISTING UTILITY PLANS
- STREETSCAPING PLANS

2





PROJECT NO:1060-35-81

HWY: VAR HWY

COUNTY:MILWAUKEE

PROJECT OVERVIEW

SHEET

E

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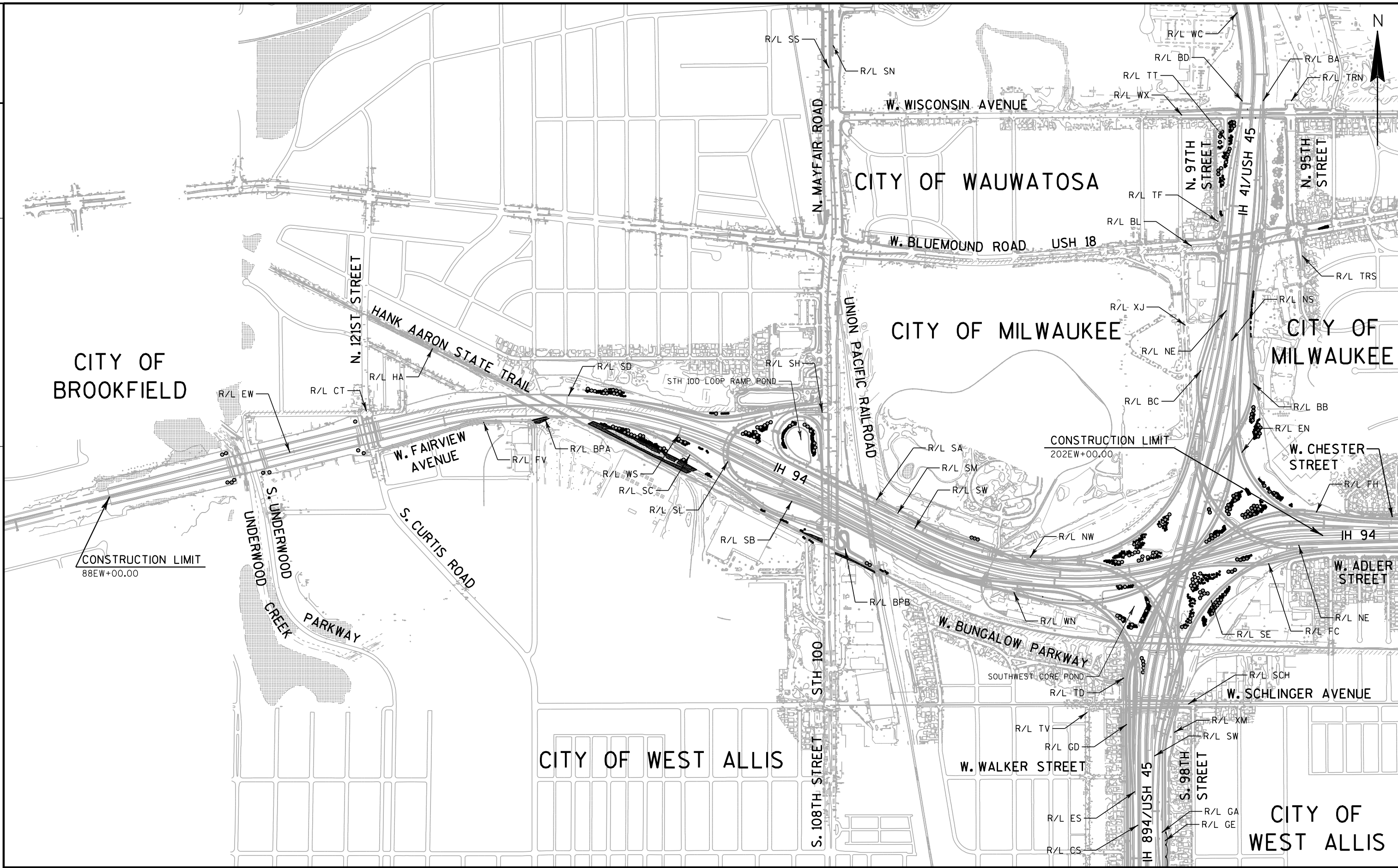
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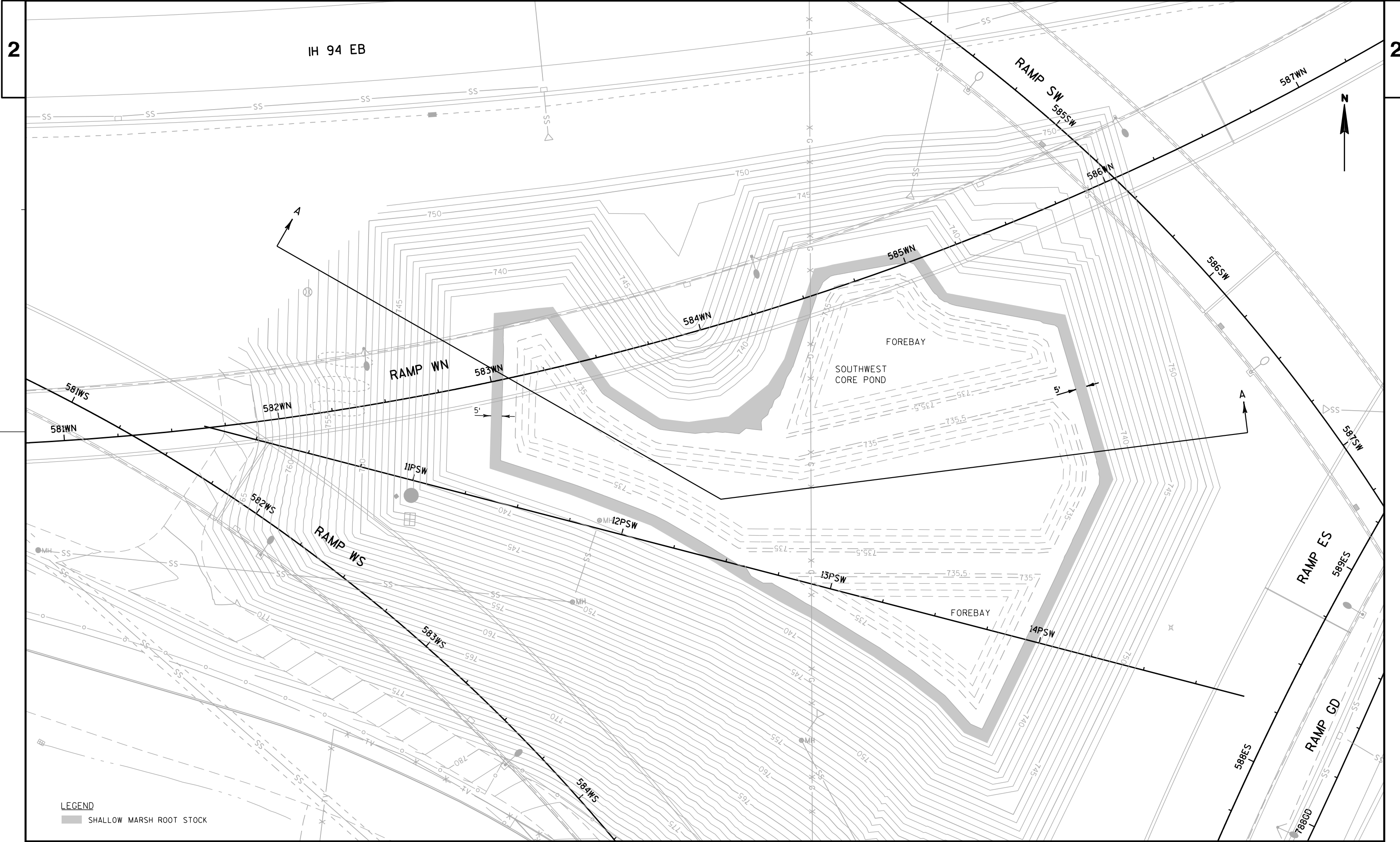
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PLOT NAME : 020202_po

PLOT SCALE : 800:1

WISDOT/CAD/CDS SHEET 42





LEGEND
SHALLOW MARSH ROOT STOCK

PROJECT NO:1060-35-81

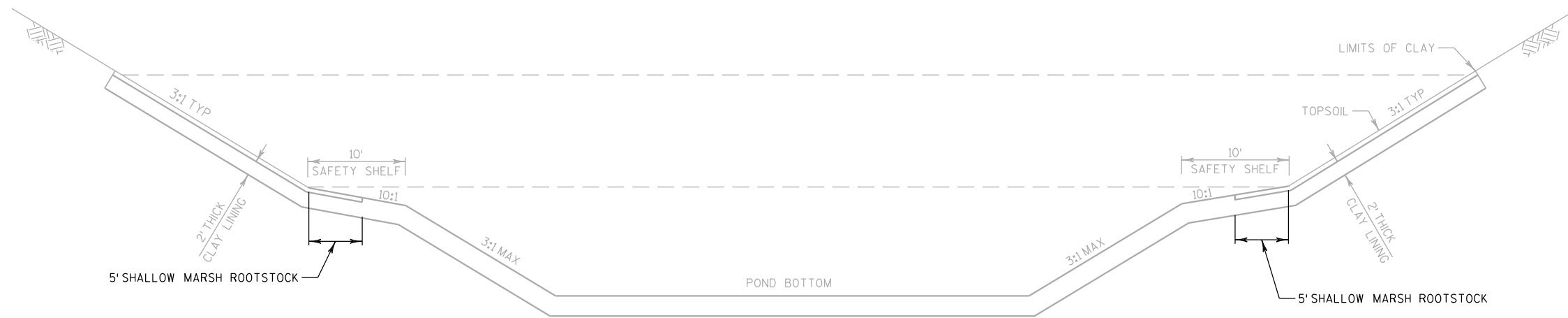
HWY: VAR HWY

COUNTY:MILWAUKEE

STORMWATER MANAGEMENT - SOUTHWEST CORE POND (ROOT STOCK)

SHEET

E



SECTION A-A

SOUTHWEST CORE POND

PROJECT NO:1060-35-81

HWY: VAR HWY

COUNTY:MILWAUKEE

STORMWATER MANAGEMENT - CONSTRUCTION DETAILS

SHEET

E

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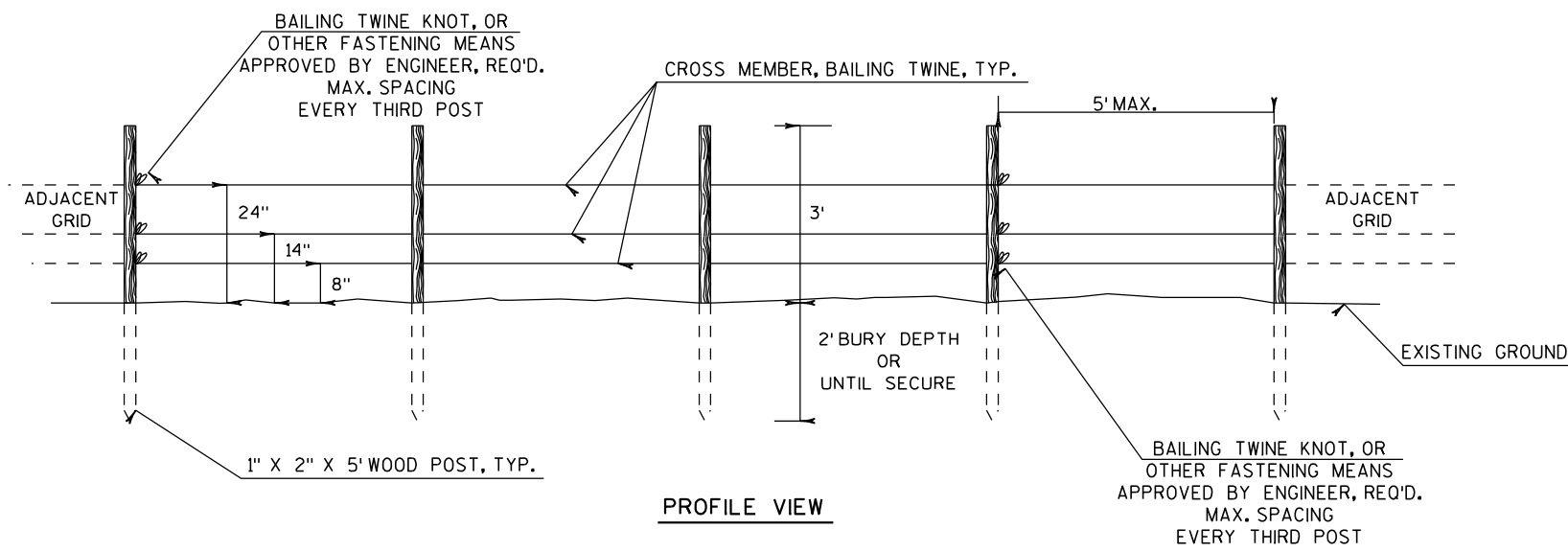
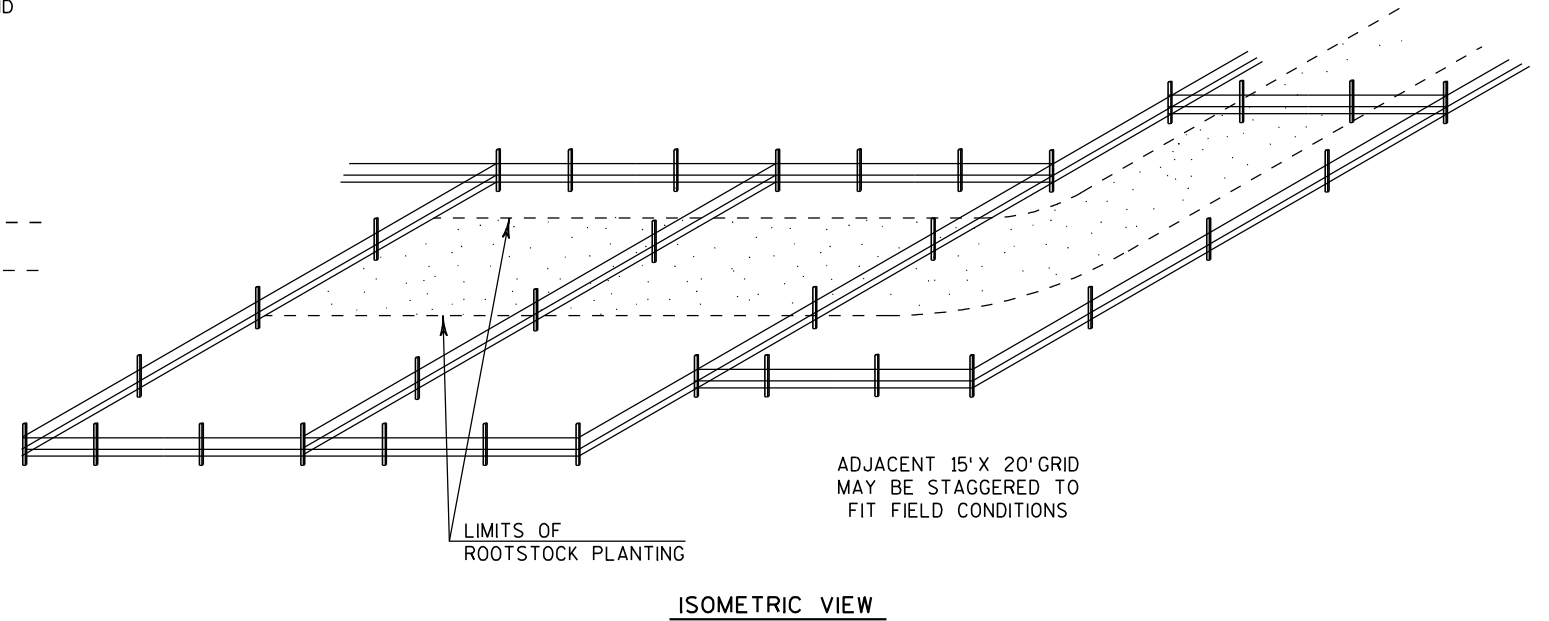
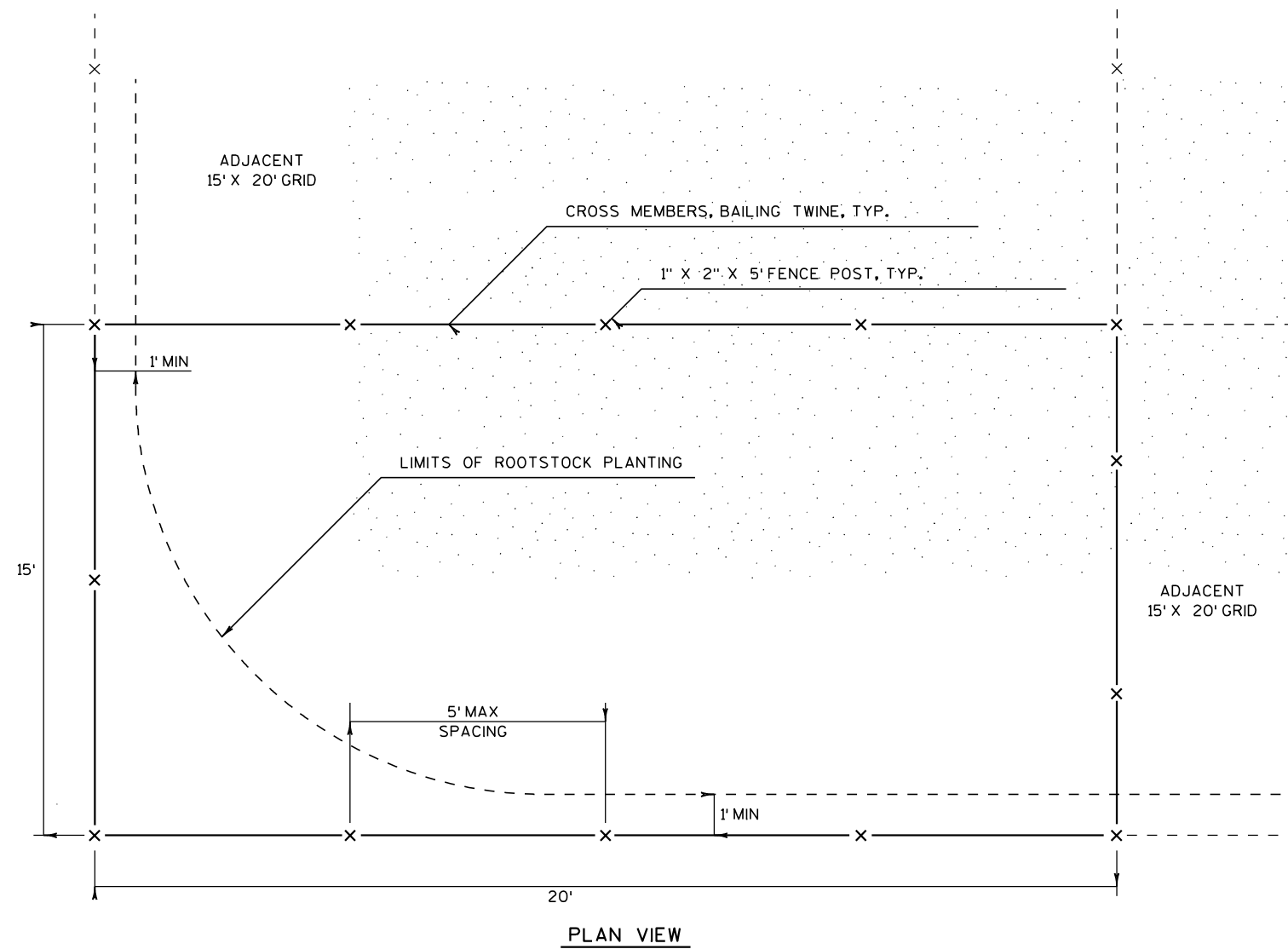
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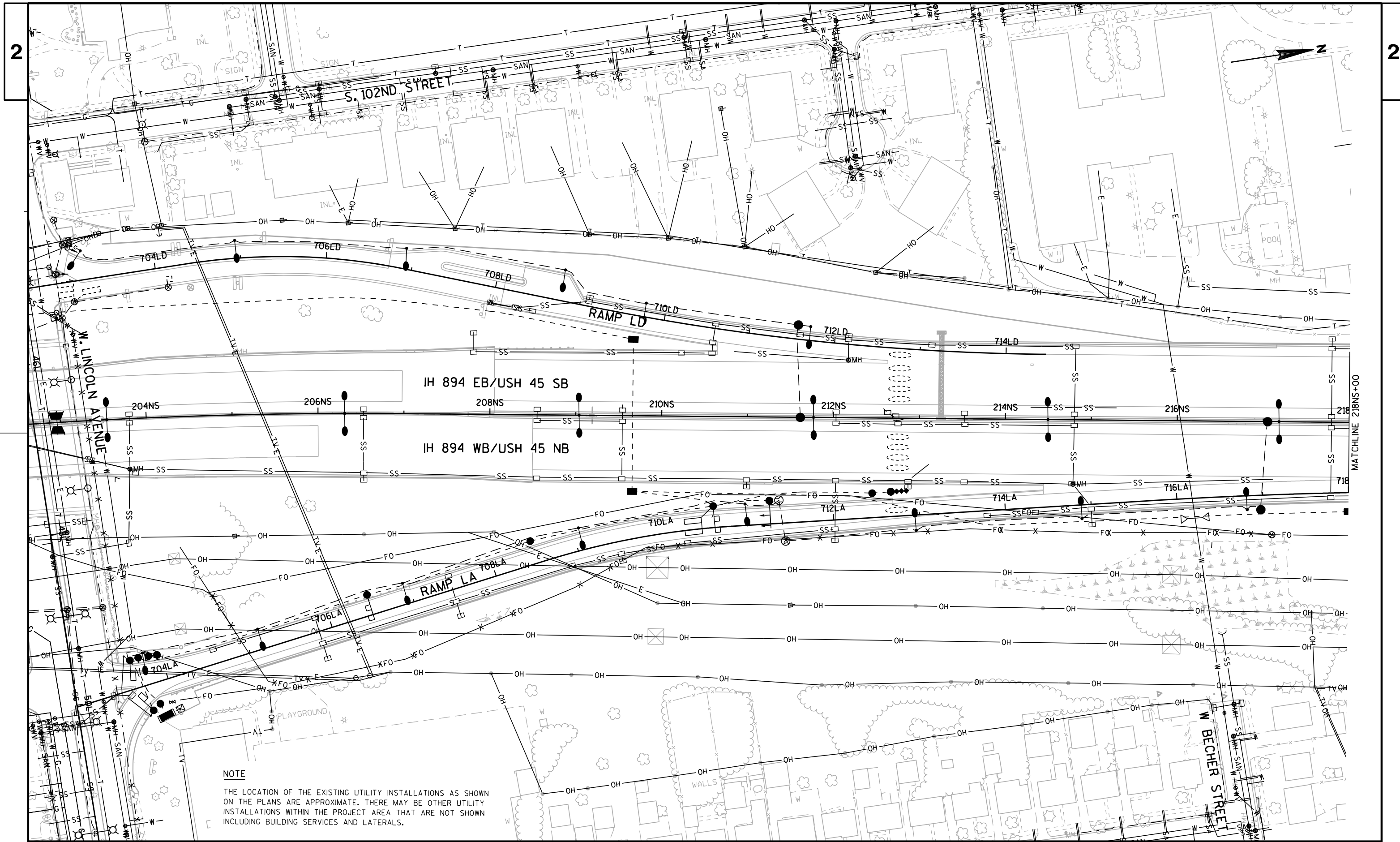
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PLOT SCALE : 2:1

WISDOT/CADD SHEET 42



ROOTSTOCK PROTECTION



PROJECT NO:1060-35-81

HWY: VAR HWY

COUNTY:MILWAUKEE

EXISTING UTILITY PLANS

SHEET

E

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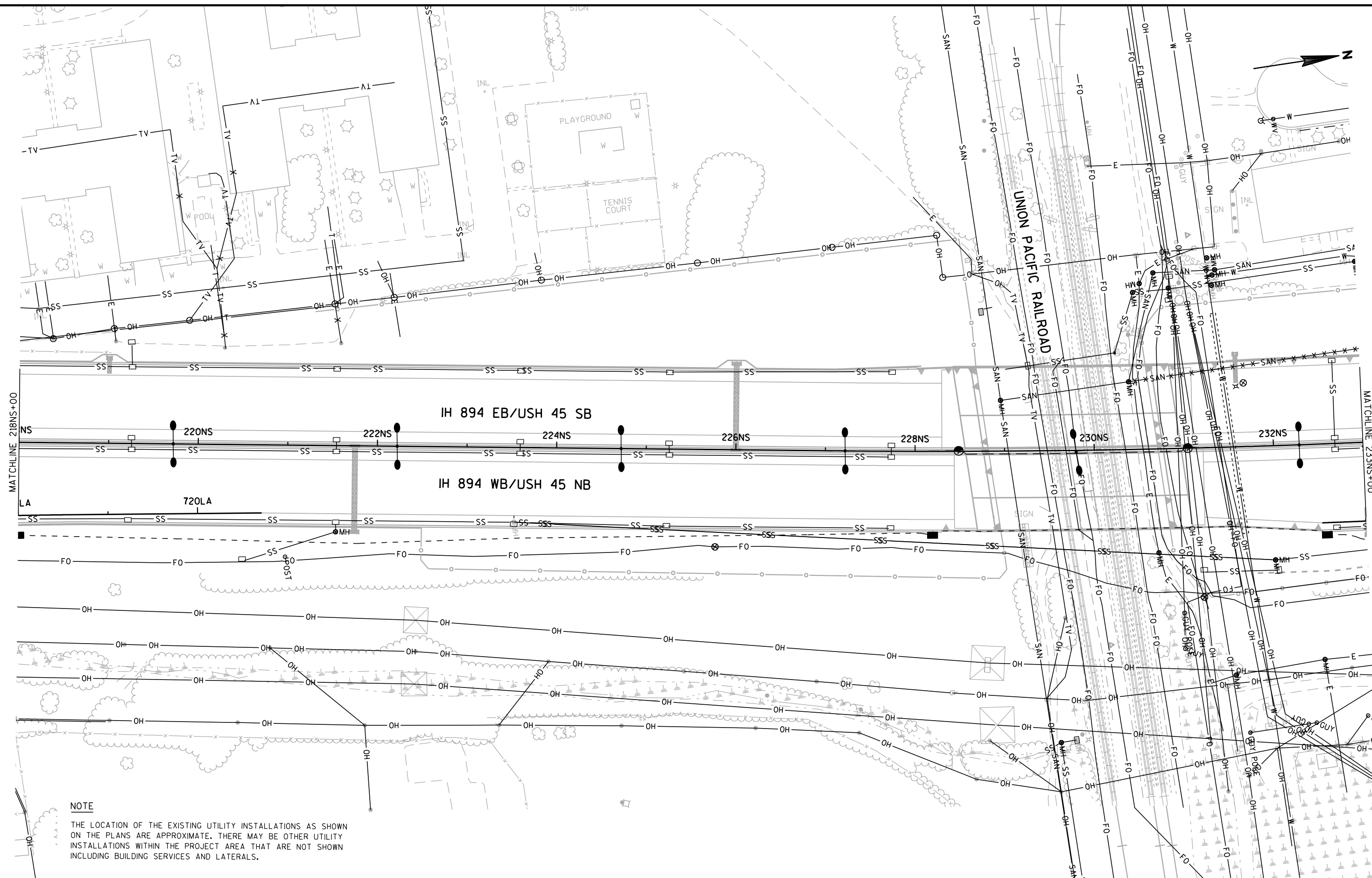
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PLOT SCALE : 100:1

WISDOT/CADLS SHEET 42



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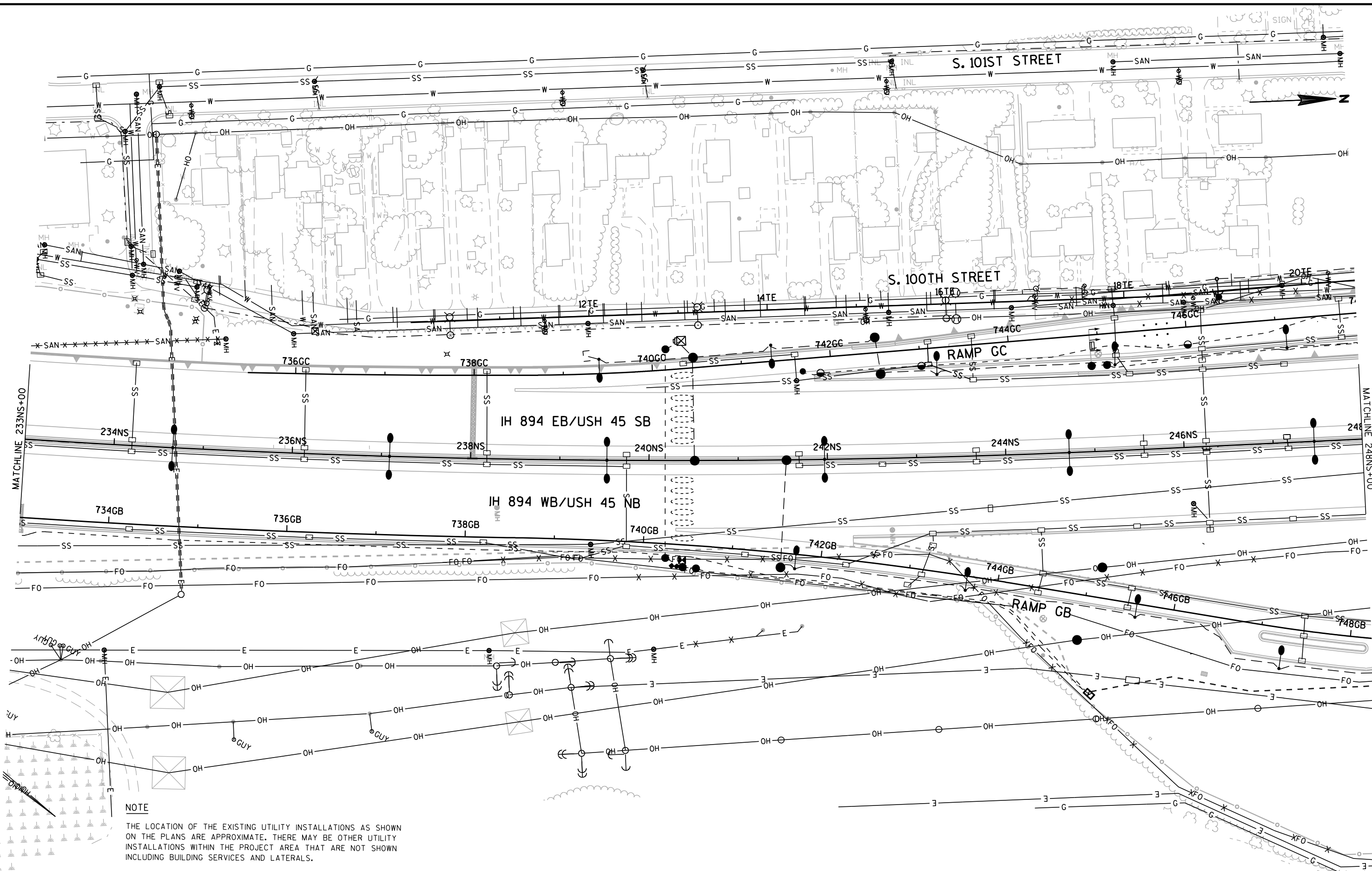
HWY: VAR HWY

COUNTY:MILWAUKEE

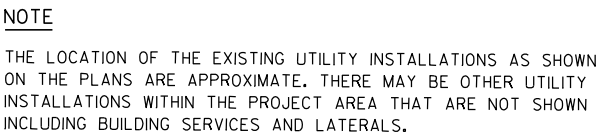
EXISTING UTILITY PLANS

SHEET

E



2



E

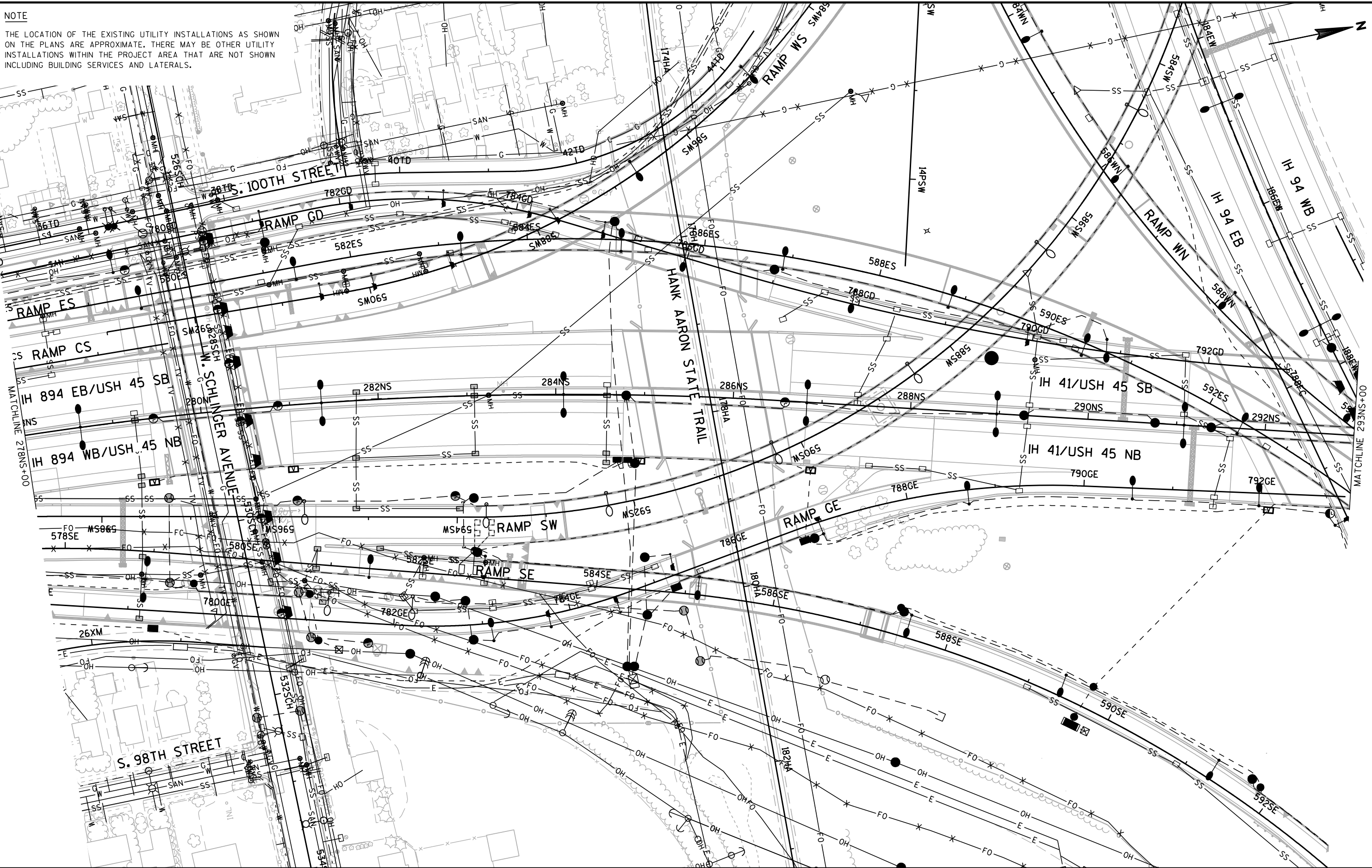
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2



NOTE

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

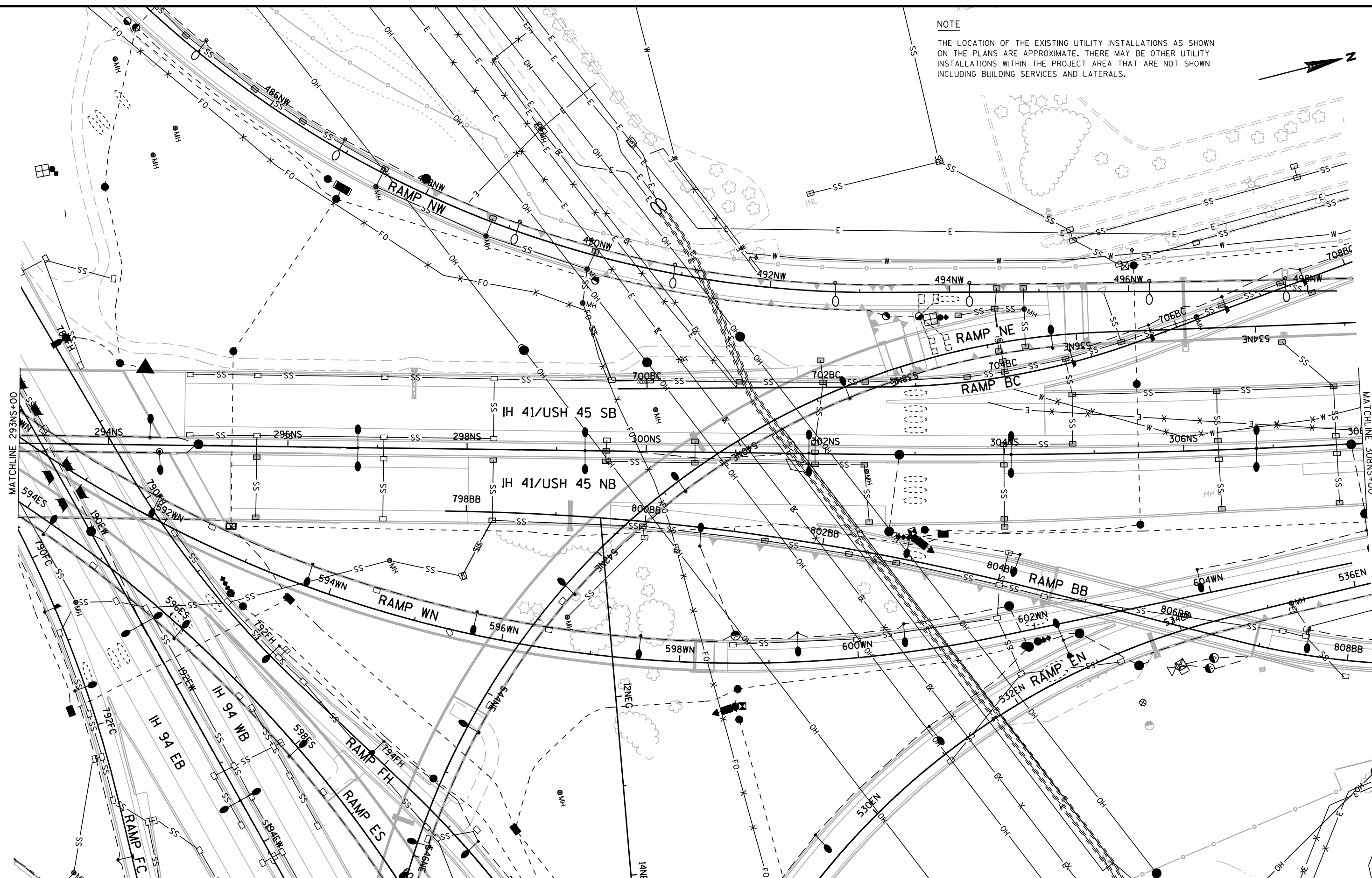


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PROJECT NO:1060-35-81

HWY: VAR HWY

COUNTY: MILWAUKEE

EXISTING UTILITY PLANS

SHEET

E

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PLOT BY : MSCD1S

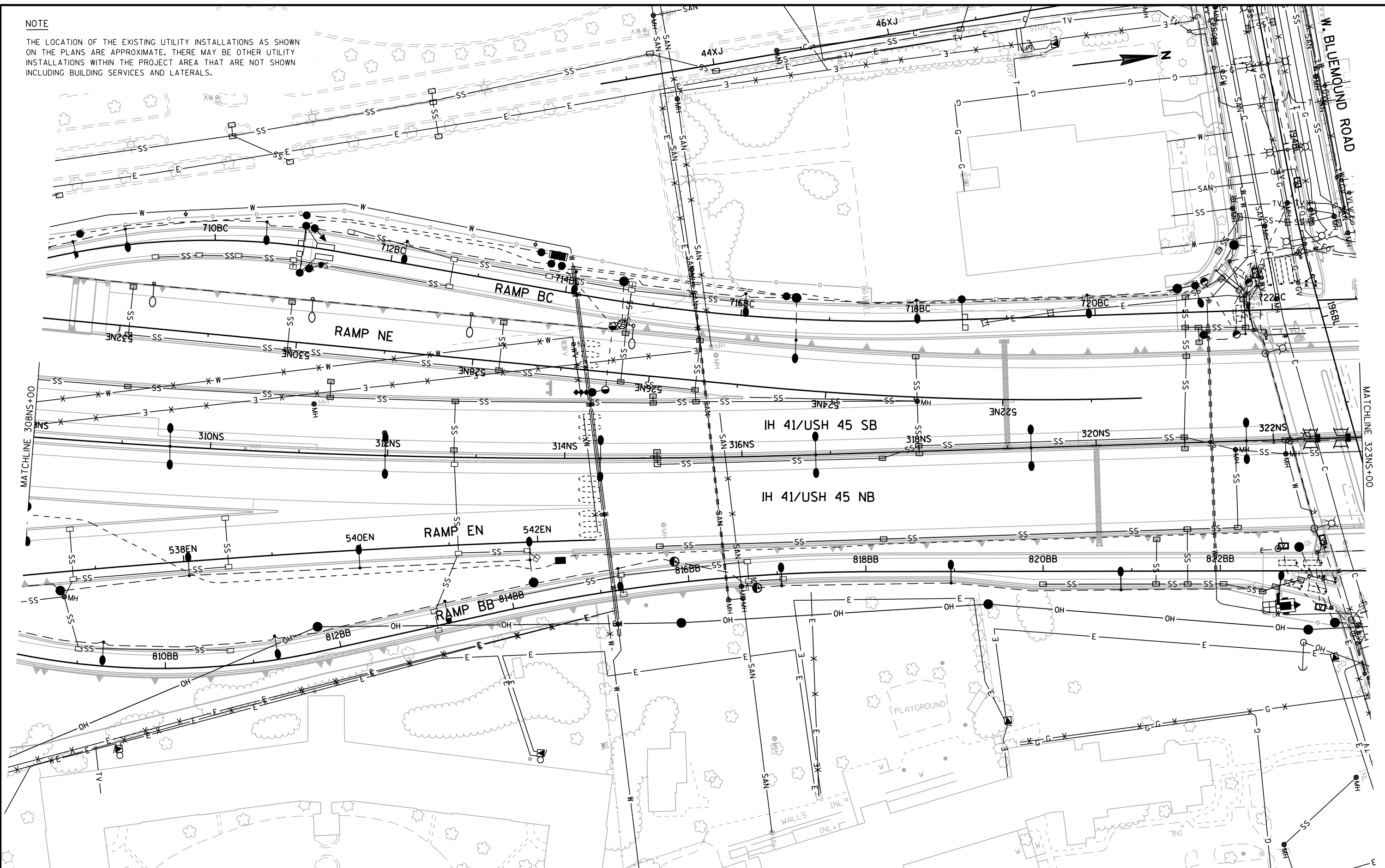
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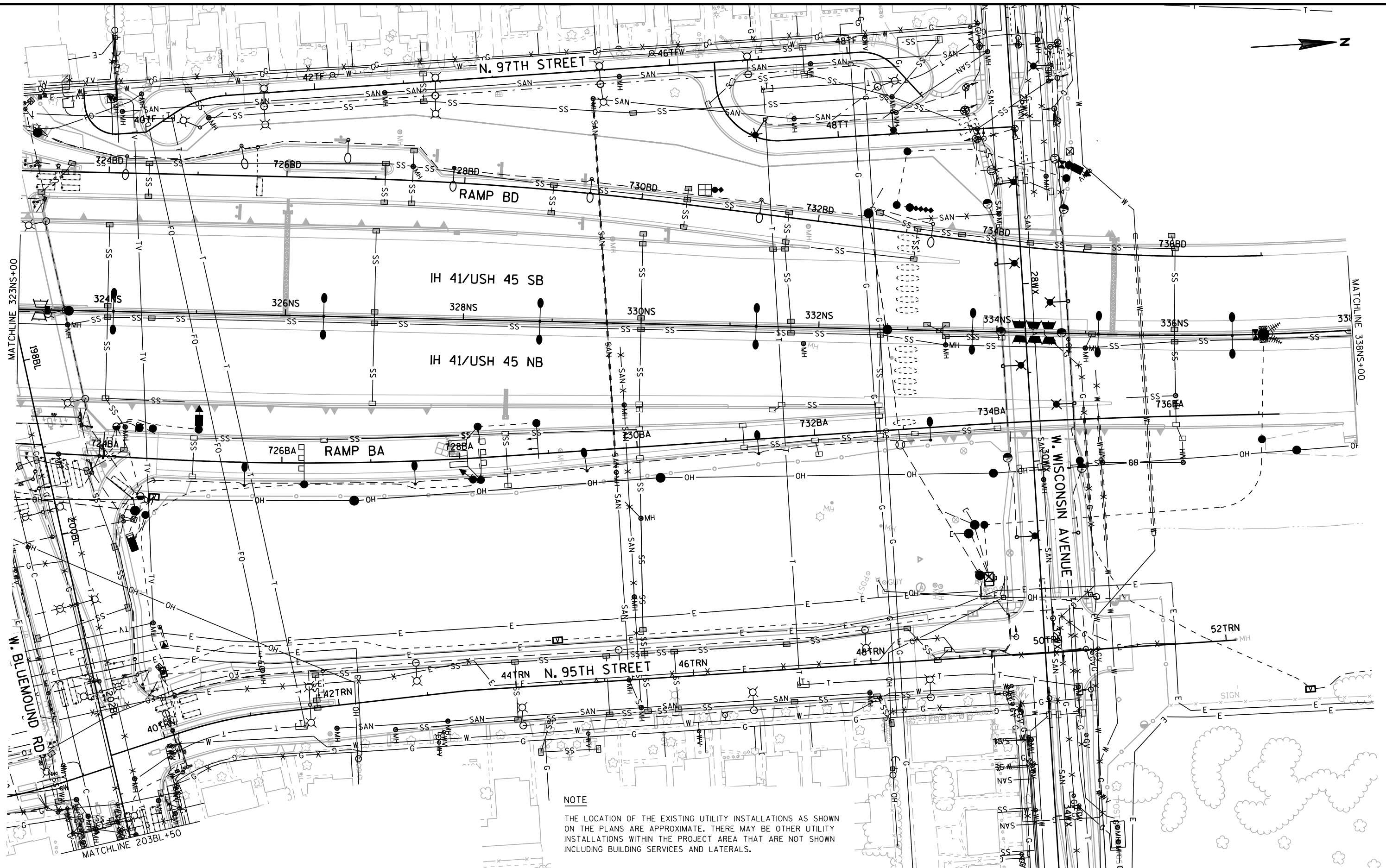
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16
WISDOT/CADL3 SHEET 42

NOTE

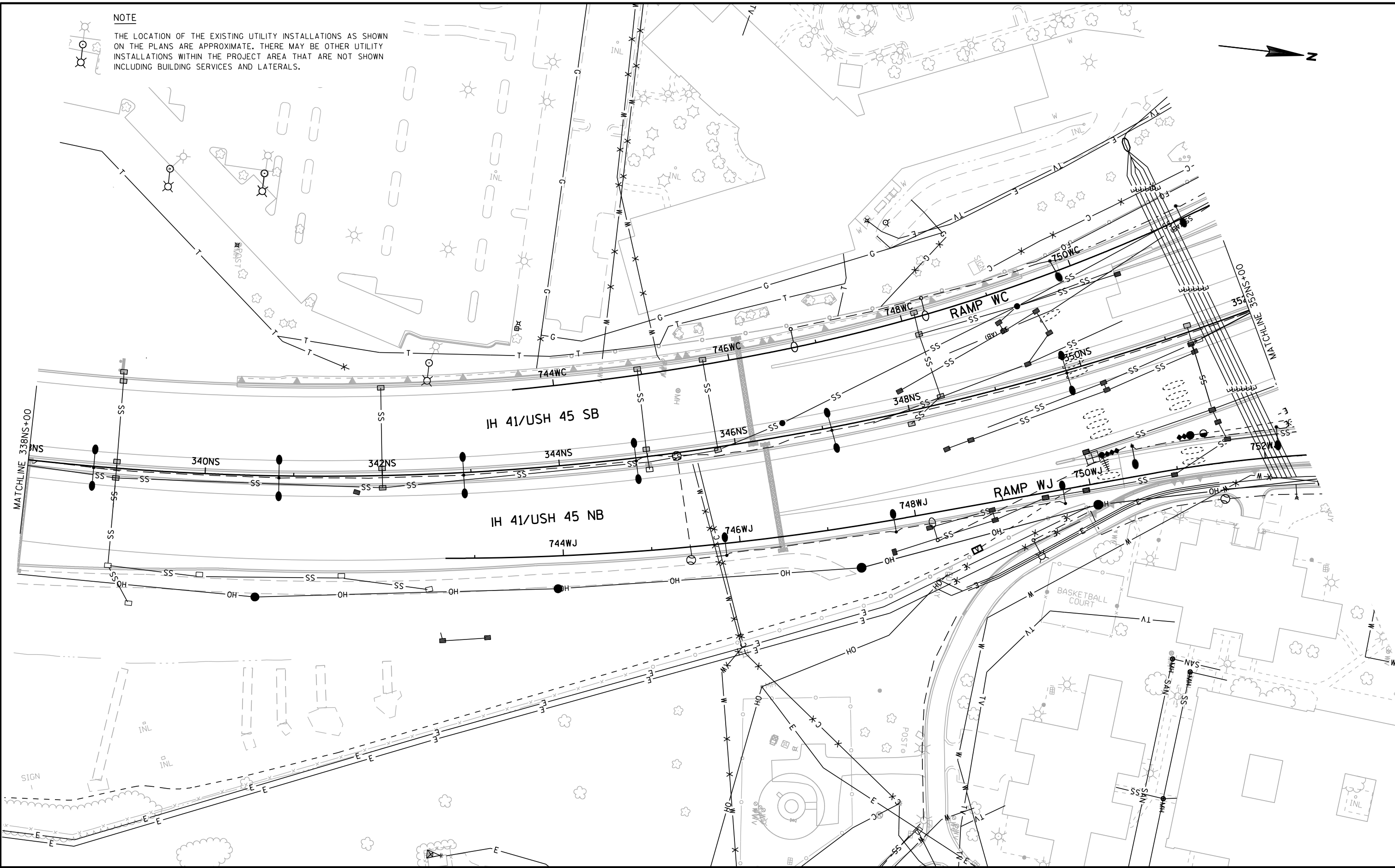
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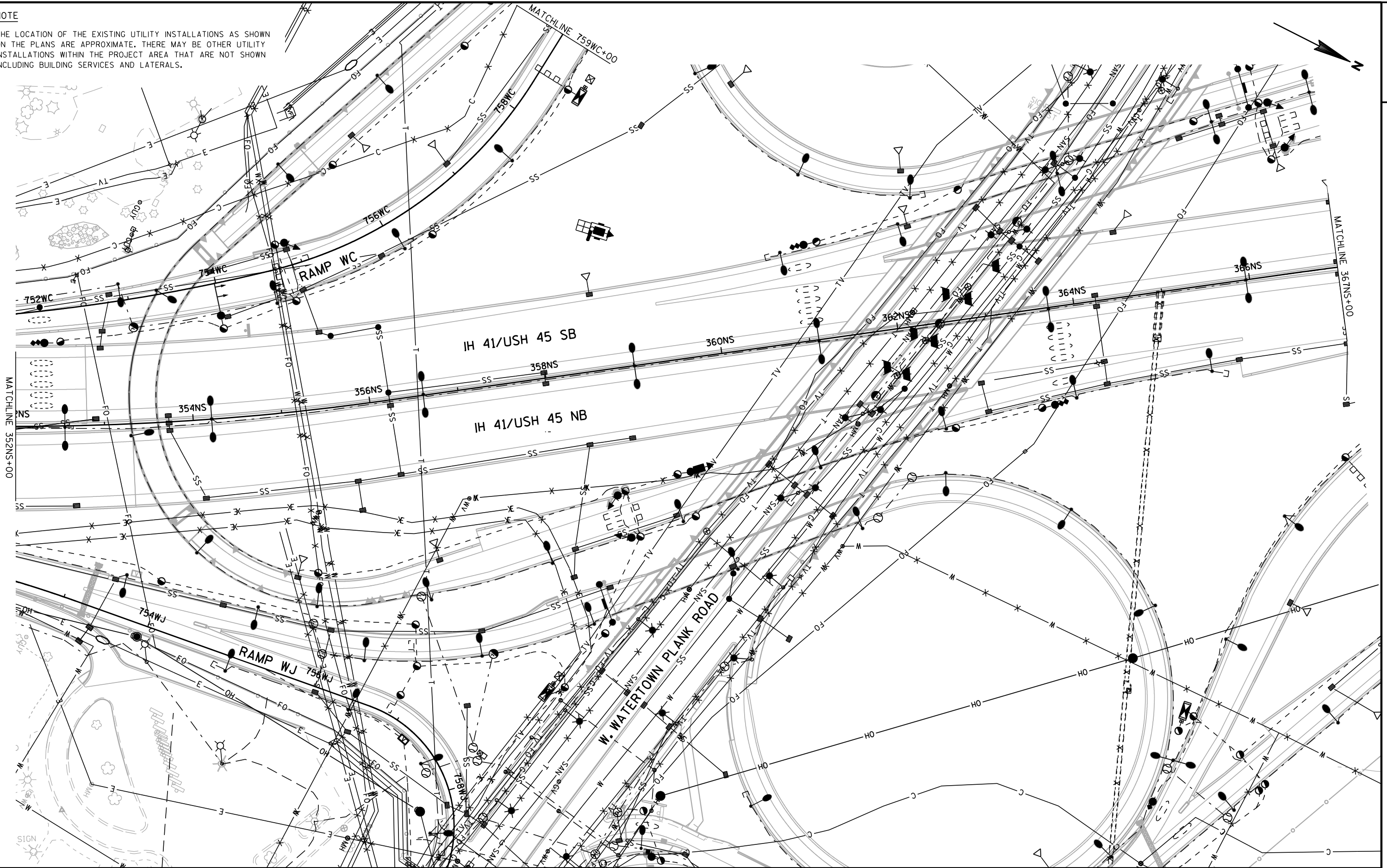
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PROJECT NO:1060-35-81

HWY: VAR HWY

COUNTY:MILWAUKEE

EXISTING UTILITY PLANS

SHEET

E

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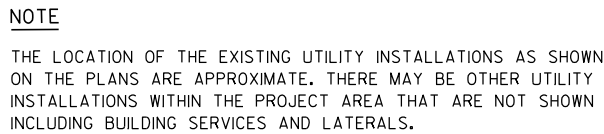
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PLOT NAME : 023012_up

PLOT SCALE : 100:1

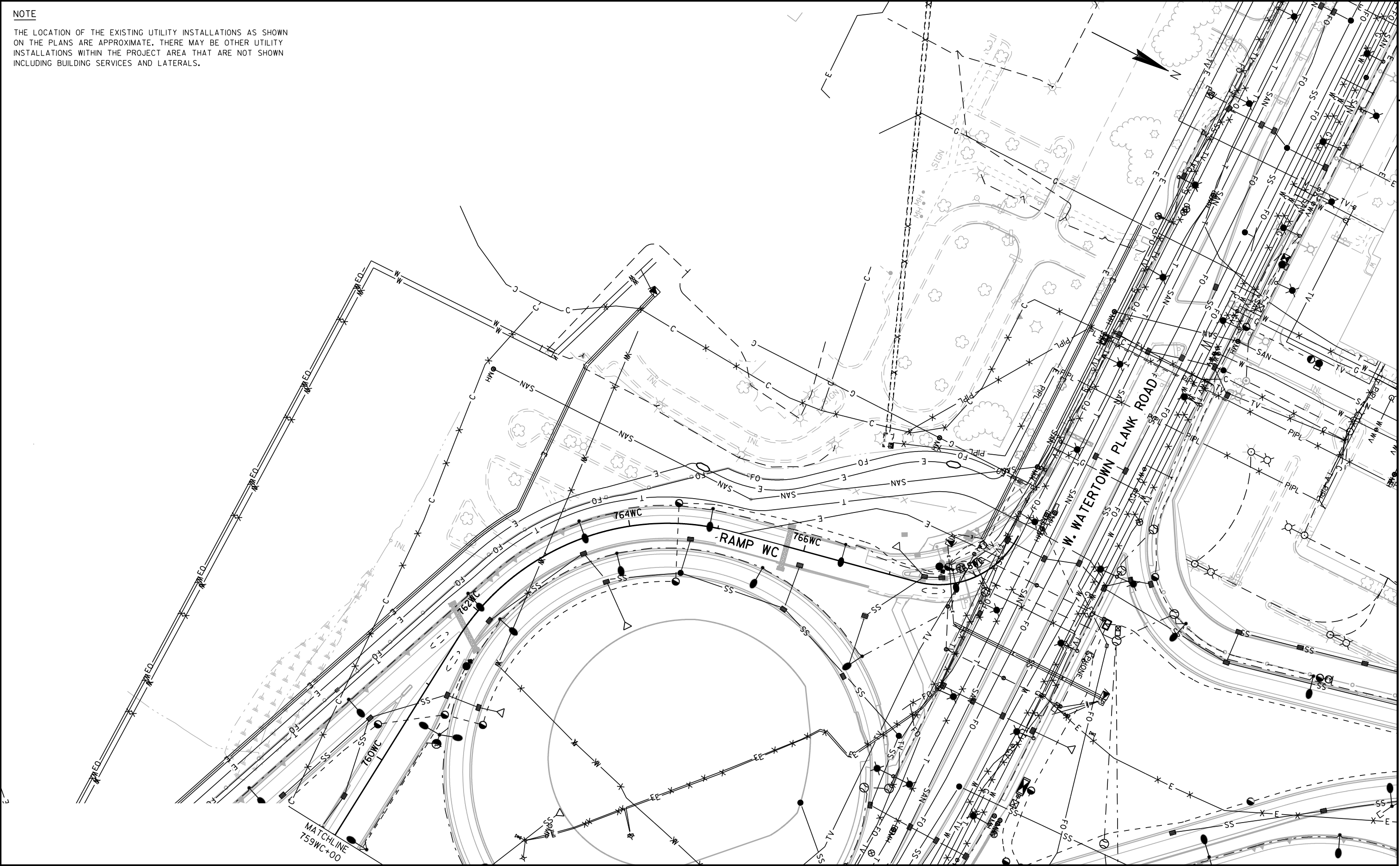
WISDOT/CADL3 SHEET 20 42

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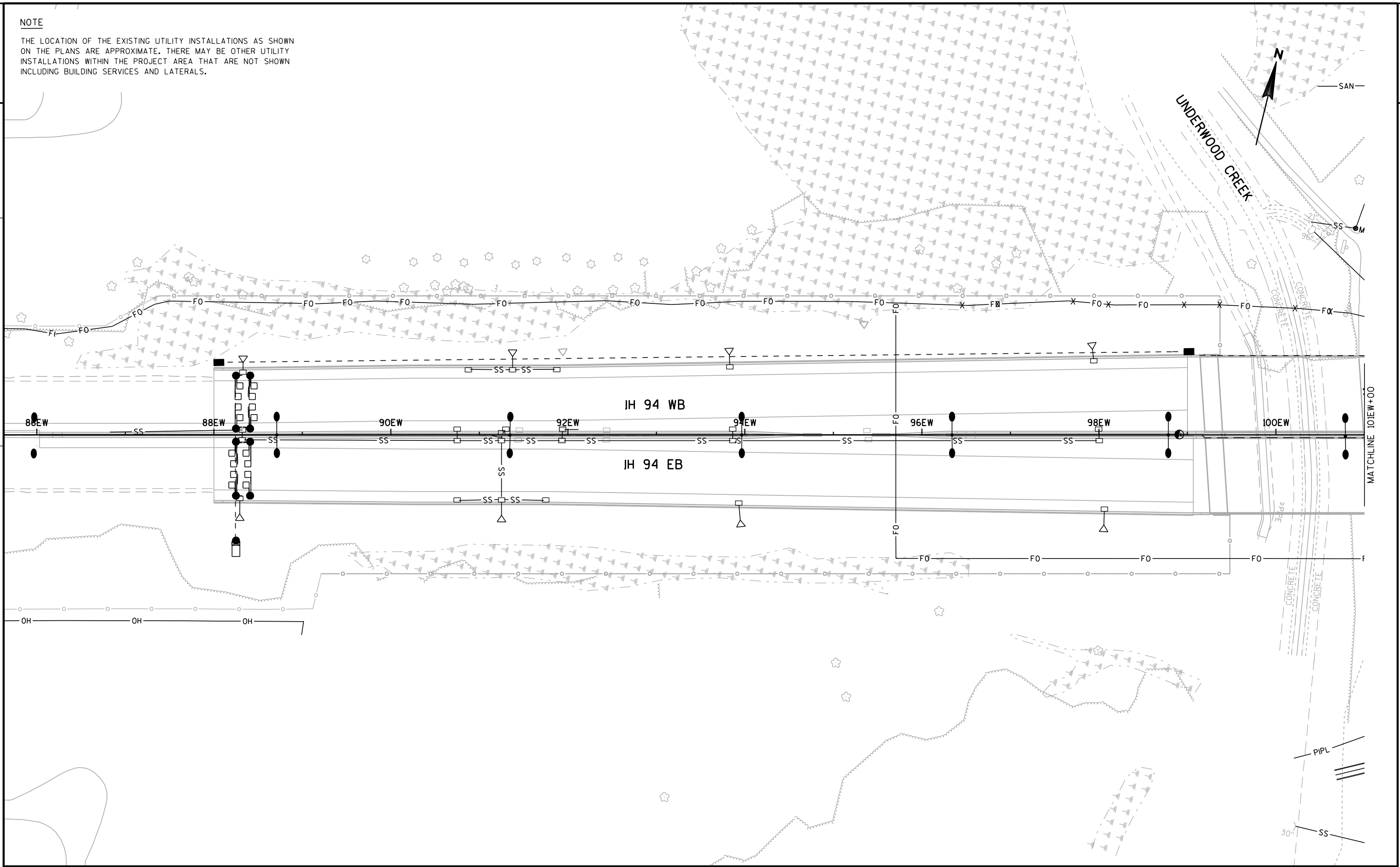
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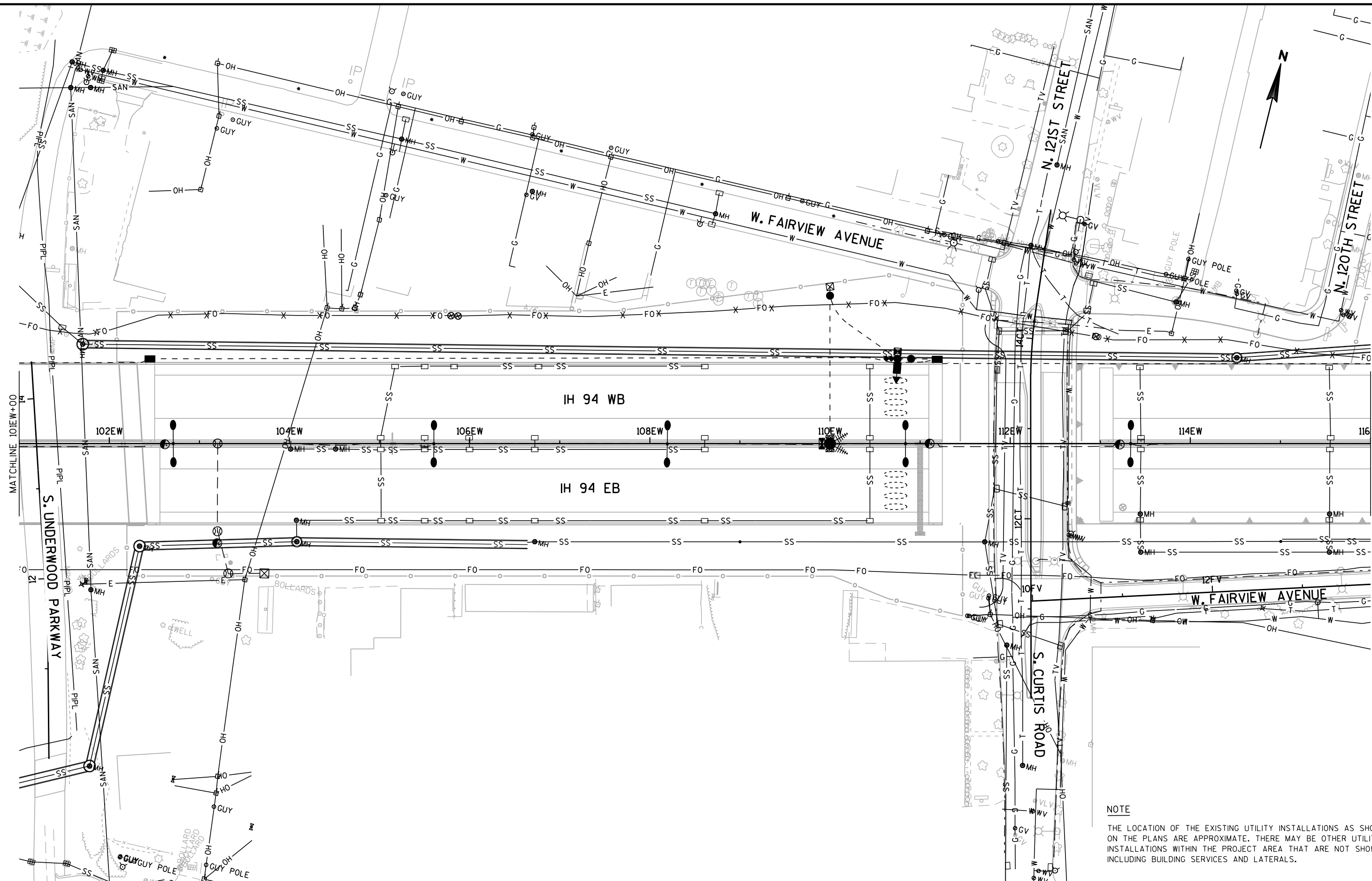
NOTE
THE LOCATION OF THE EXISTING UTILITY INSTALLATIONS AS SHOWN
ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY
INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN
INCLUDING BUILDING SERVICES AND LATERALS.



NOTE

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





PROJECT NO: 1060-35-81

HWY: VAR HWY

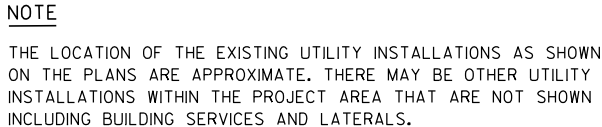
COUNTY: MILWAUKEE

EXISTING UTILITY PLANS

SHEET

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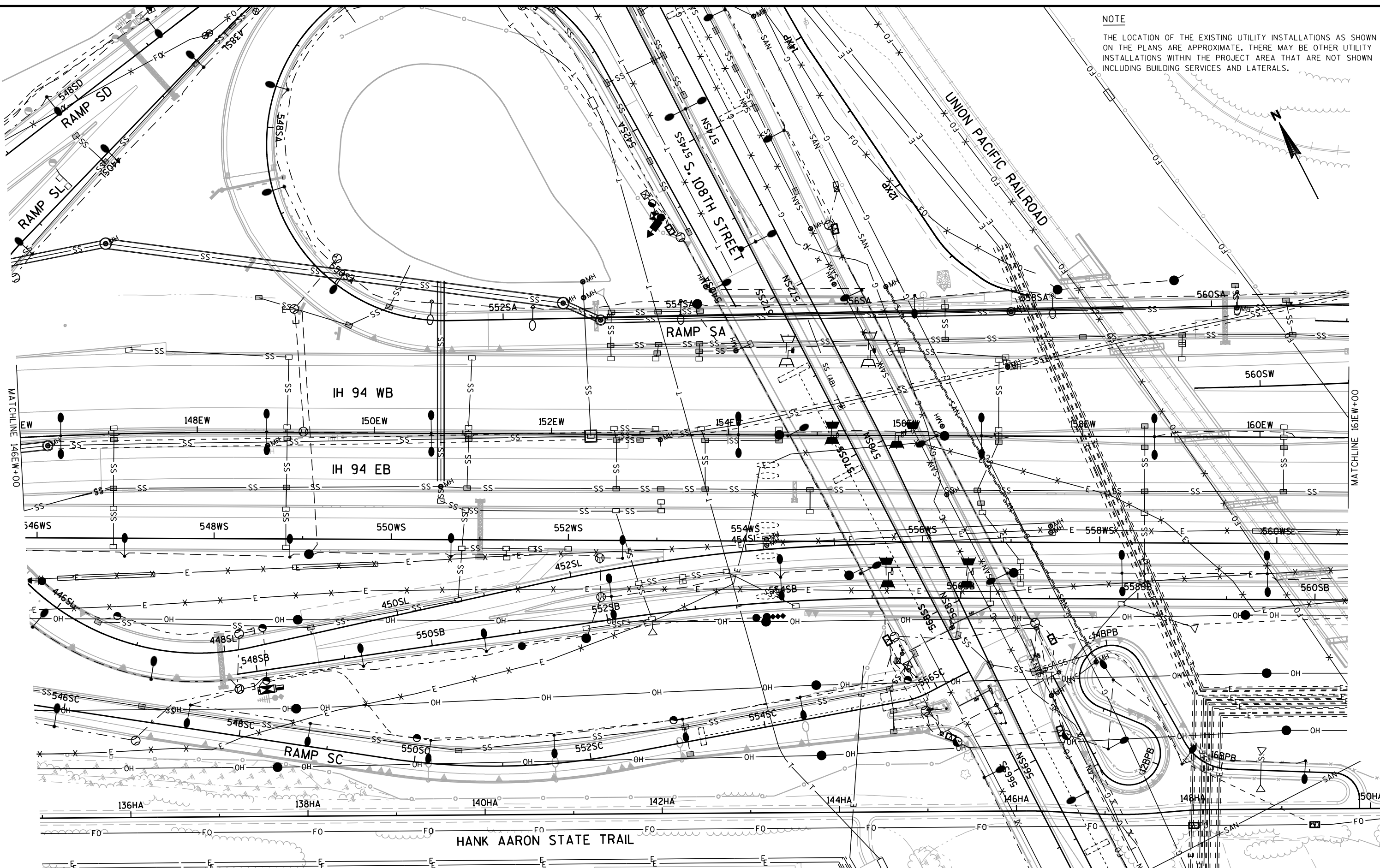
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NOTE

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



PROJECT NO:1060-35-81

HWY: VAR HWY

COUNTY:MILWAUKEE

EXISTING UTILITY PLANS

SHEET

E

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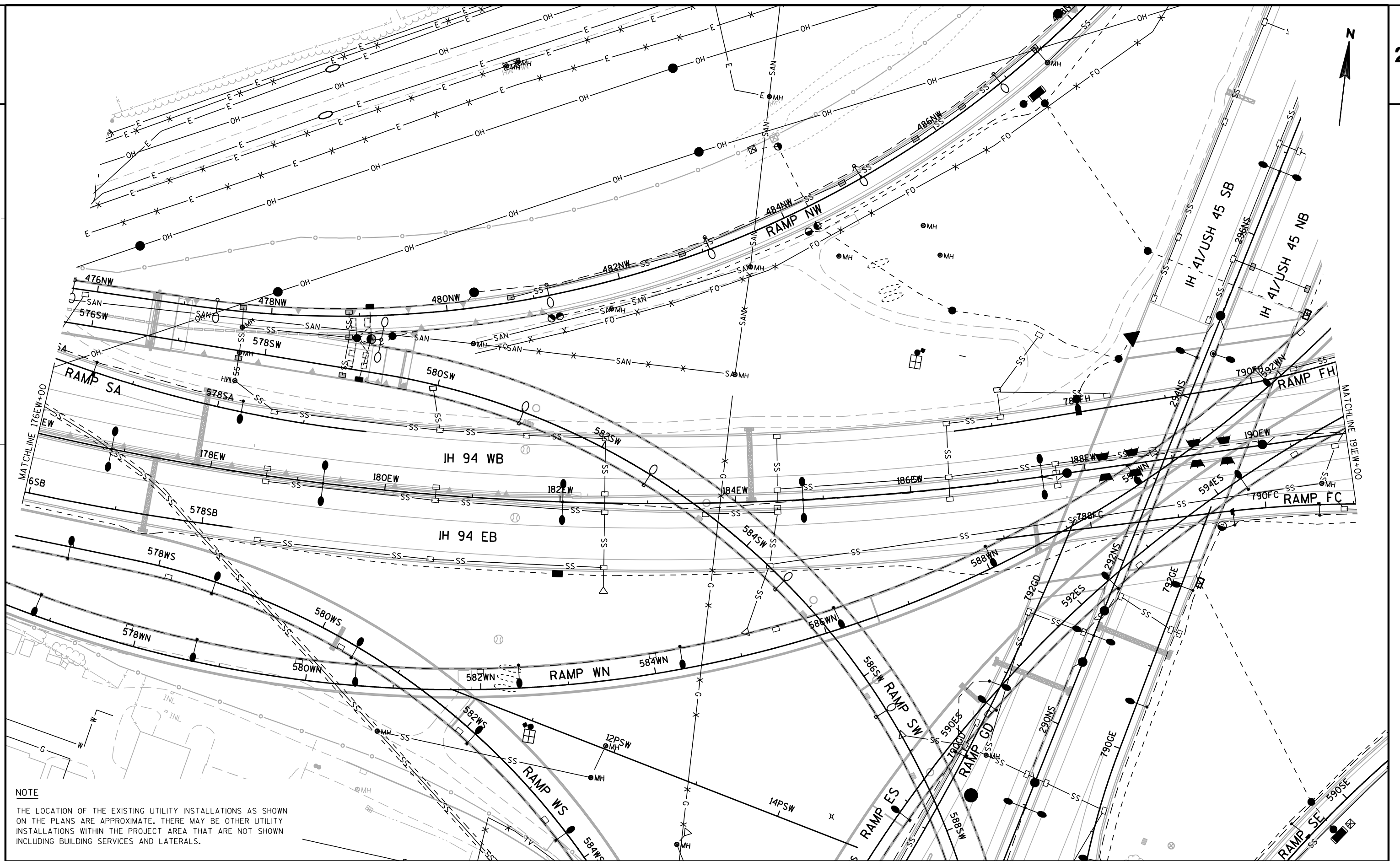
WISDOT/CAD/CDS SHEET 27 42

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WISDOT/CAD 28 5T



NOTE

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

PROJECT NO:1060-35-81

HWY: VAR HWY

COUNTY:MILWAUKEE

EXISTING UTILITY PLANS

SHEET

E

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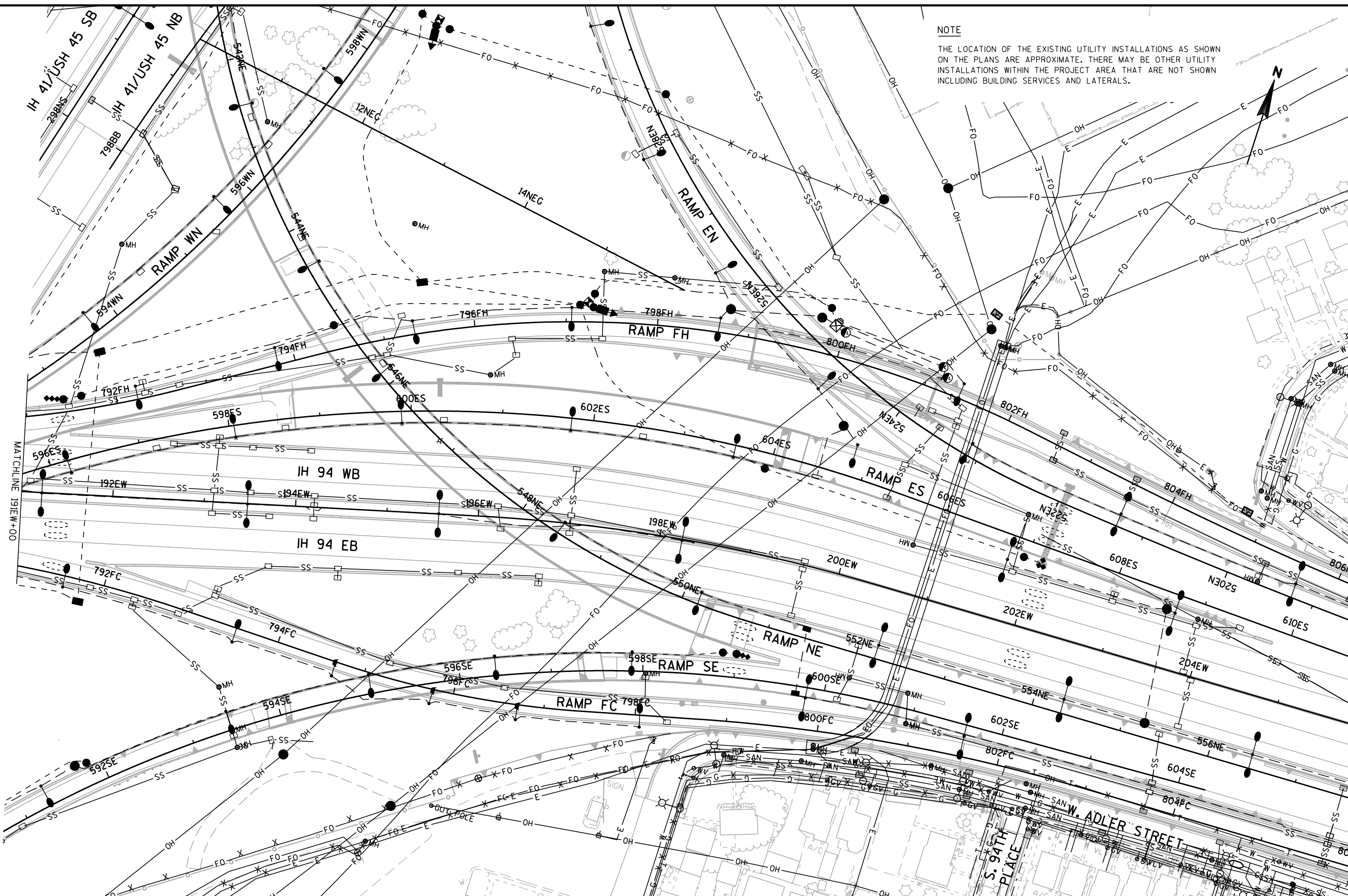
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PLOT SCALE : 100:1

WISDOT/CADD SHEET 42

NOTE

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



PROJECT NO:1060-35-81

HWY: VAR HWY

COUNTY:MILWAUKEE

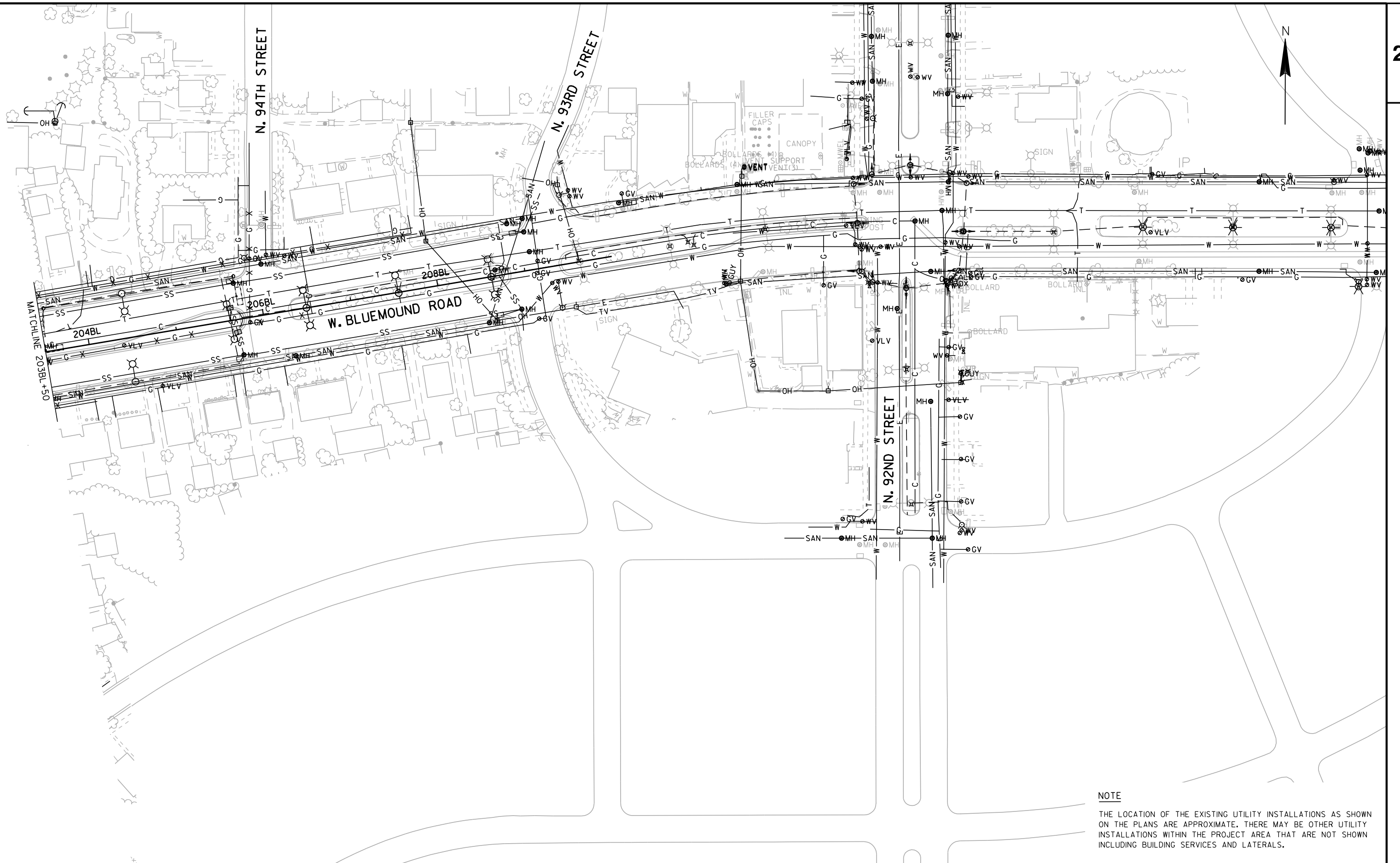
EXISTING UTILITY PLANS

SHEET

E

2

2

**NOTE**

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

PROJECT NO:1060-35-81

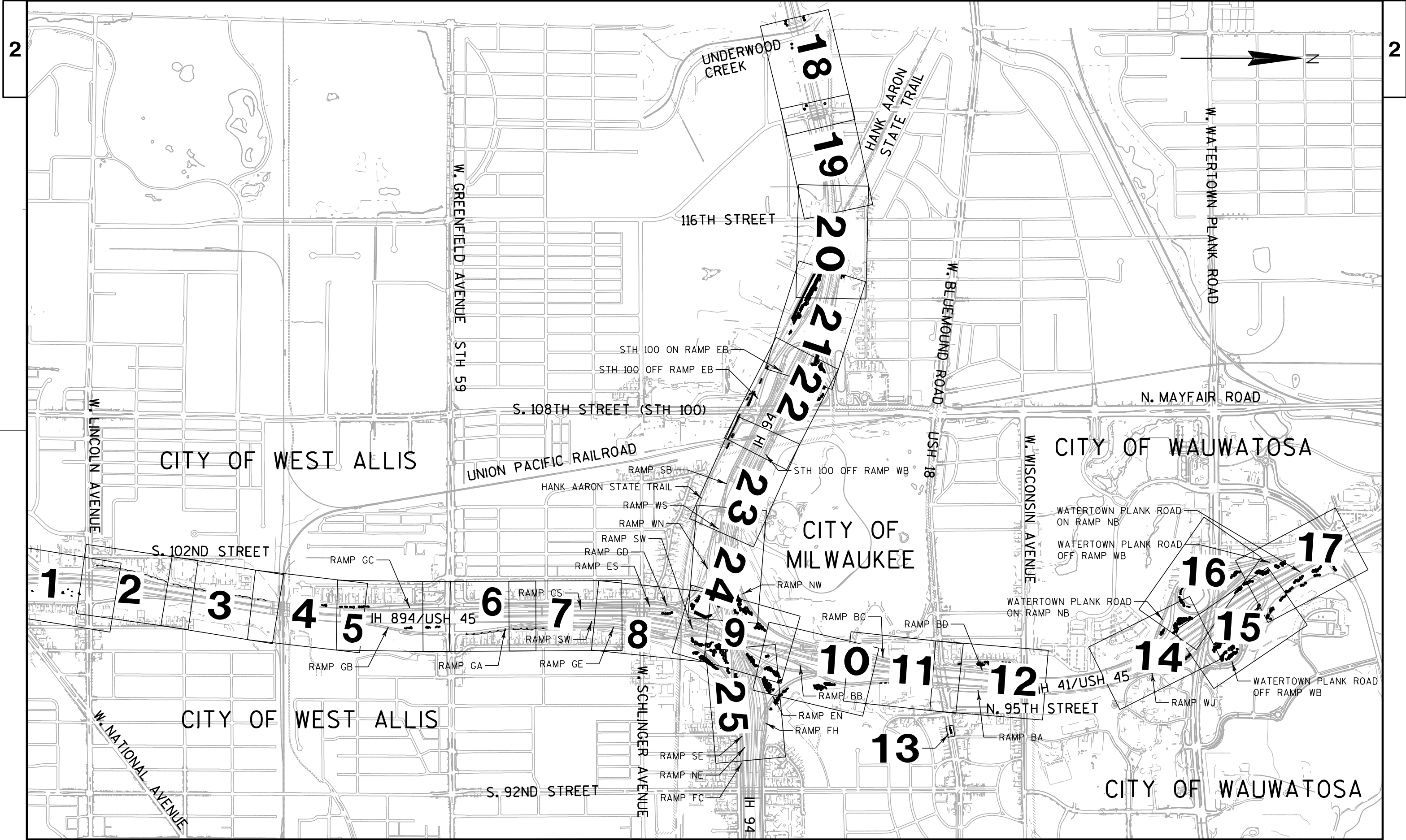
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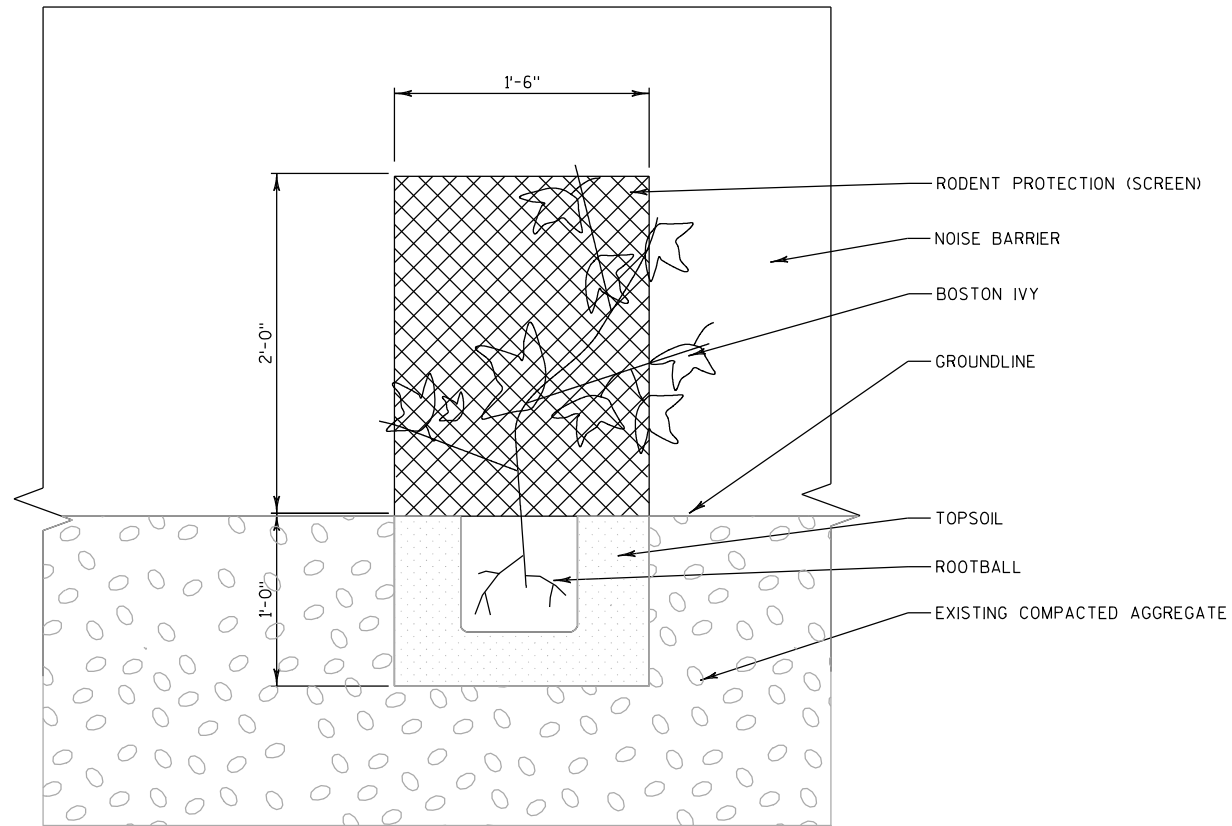
COUNTY:MILWAUKEE

EXISTING UTILITY PLANS

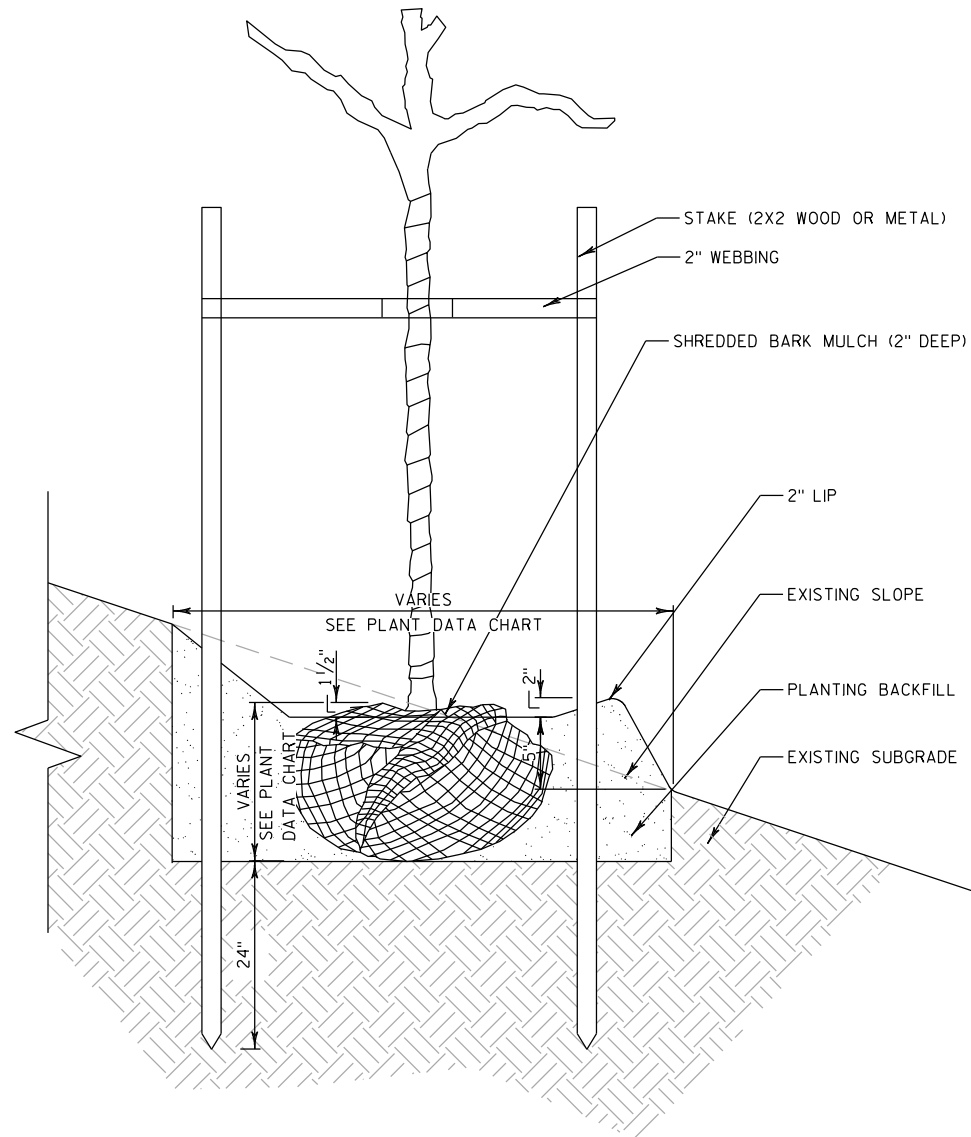
SHEET

E





IVY DETAIL
NOT TO SCALE



TREE PLANTING ON SLOPE
NOT TO SCALE

PLANT KEY

SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	TE	ELM, TRIUMPH
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	TH	HONEYLOCUST, THORNLESS 'IMPERIAL'
	SM	MAPLE, SUGAR CRESCENDO
	BO	OAK, BUR
	SWO	OAK, SWAMP WHITE
LPT		TREE, EXCLAMATION LONDON PLANE

DECIDUOUS TREES (ORNAMENTAL)

	RC	CRABAPPLE ROBINSON
	PFC	CRABAPPLE, PRAIRIFIRE
	PD	DOGWOOD, PAGODA
	TCH	HAWTHORN, COCKSPUR THORNLESS
	AH	AM. HOPHORNBEAM
	WC	WITCHHAZEL, COMMON
	AS	SERVICEBERRY, APPLE
	RPS	SMOKEBUSH, ROYAL PURPLE

EVERGREEN

	ERC	REDCEDAR, EASTERN
	IJ	JUNIPER, IOWA
	MJ	JUNIPER, MOUNTBATTEN
	WS	SPRUCE, WHITE

SHRUBS

	BC	CHOKEBERRY, BLACK
	GD	DOGWOOD, GRAY
	SR	ROSE, SUNNY KNOCK OUT
	TS	SPIREA, TOR BIRCHLEAF
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
	CV	VIBURNUM, COMPACT CRANBERRY

VINES

	BI	IVY, BOSTON
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PERENNIALS & GRASSES

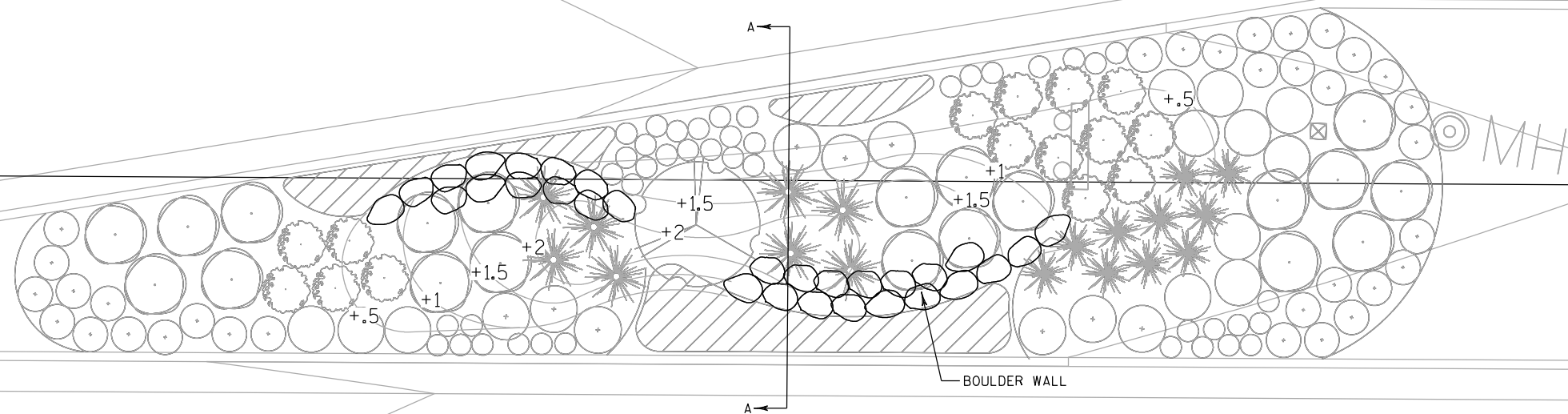
	SDD	DAYLILY, STELLA de ORO DWARF
	WLC	CATMINT, WALKERS LOW
	PC	CONEFLOWER, PURPLE
	RS	SAGE, RUSSIAN
	RG	GERANIUM, ROZANNE
	KFG	GRASS, KARL FOERSTER
HMP		PANICUM, HEAVY METAL

LEGEND

	RETAINING WALL
	FENCE
	LIGHT POLE
	PLUG LOCATION

NOTE:

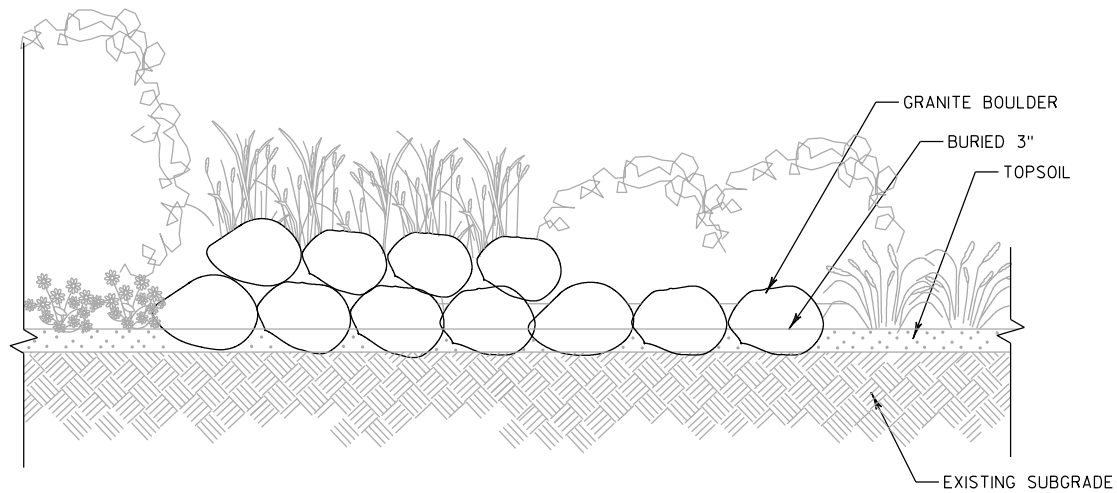
- ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES
- MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART
- IVY TO BE PLANTED 1'-0" MAX FROM NOISE BARRIER AND RETAINING WALL



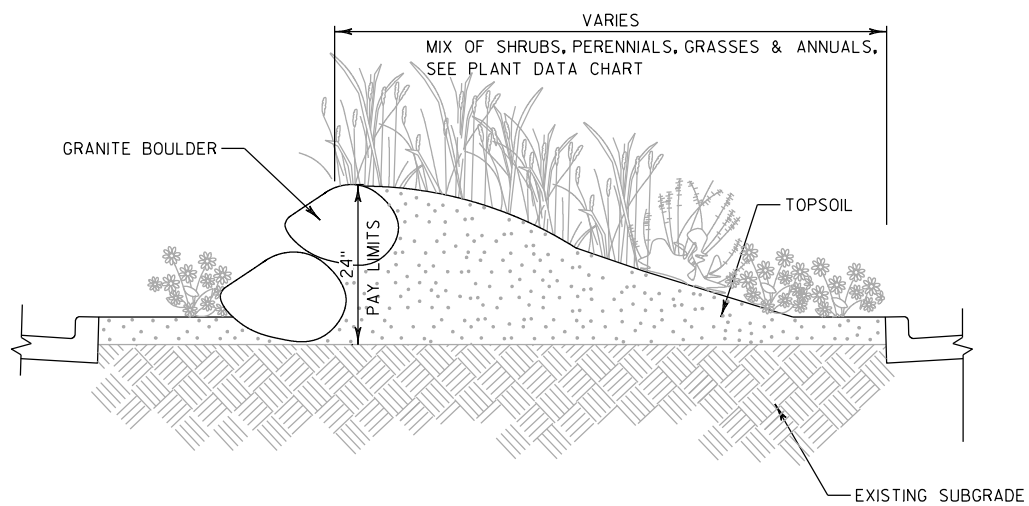
NOTE: ELEVATIONS PROPOSED ARE IN 6" INCREMENTS ABOVE EXISTING GRADE

PROPOSED ELEVATIONS FOR MOUNDED BED

SCALE 1" = 10'-0"



GRANITE BOULDER IN PLANTING BED
NOT TO SCALE



SECTION A-A
NOT TO SCALE

PLANT KEY

SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	TE	ELM, TRIUMPH
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	TH	HONEYLOCUST, THORNLESS 'IMPERIAL'
	SM	MAPLE, SUGAR CRESCENDO
	BO	OAK, BUR
	SWO	OAK, SWAMP WHITE
	LPT	TREE, EXCLAMATION LONDON PLANE

DECIDUOUS TREES (ORNAMENTAL)

⊗	RC	CRABAPPLE ROBINSON
	PFC	CRABAPPLE, PRAIRIFIRE
	PD	DOGWOOD, PAGODA
	TCH	HAWTHORN, COCKSPUR THORNLESS
	AH	AM. HOPHORNBEAM
	WC	WITCHHAZEL, COMMON
	AS	SERVICEBERRY, APPLE
	RPS	SMOKEBUSH, ROYAL PURPLE

EVERGREEN

⊗	ERC	REDCEDAR, EASTERN
	IJ	JUNIPER, IOWA
	MJ	JUNIPER, MOUNTBATTEN
	WS	SPRUCE, WHITE

SHRUBS

⊗	BC	CHOKEBERRY, BLACK
	GD	DOGWOOD, GRAY
	SR	ROSE, SUNNY KNOCK OUT
	TS	SPIREA, TOR BIRCHLEAF
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
	CV	VIBURNUM, COMPACT CRANBERRY

VINES

▲	BI	IVY, BOSTON
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PERENNIALS & GRASSES

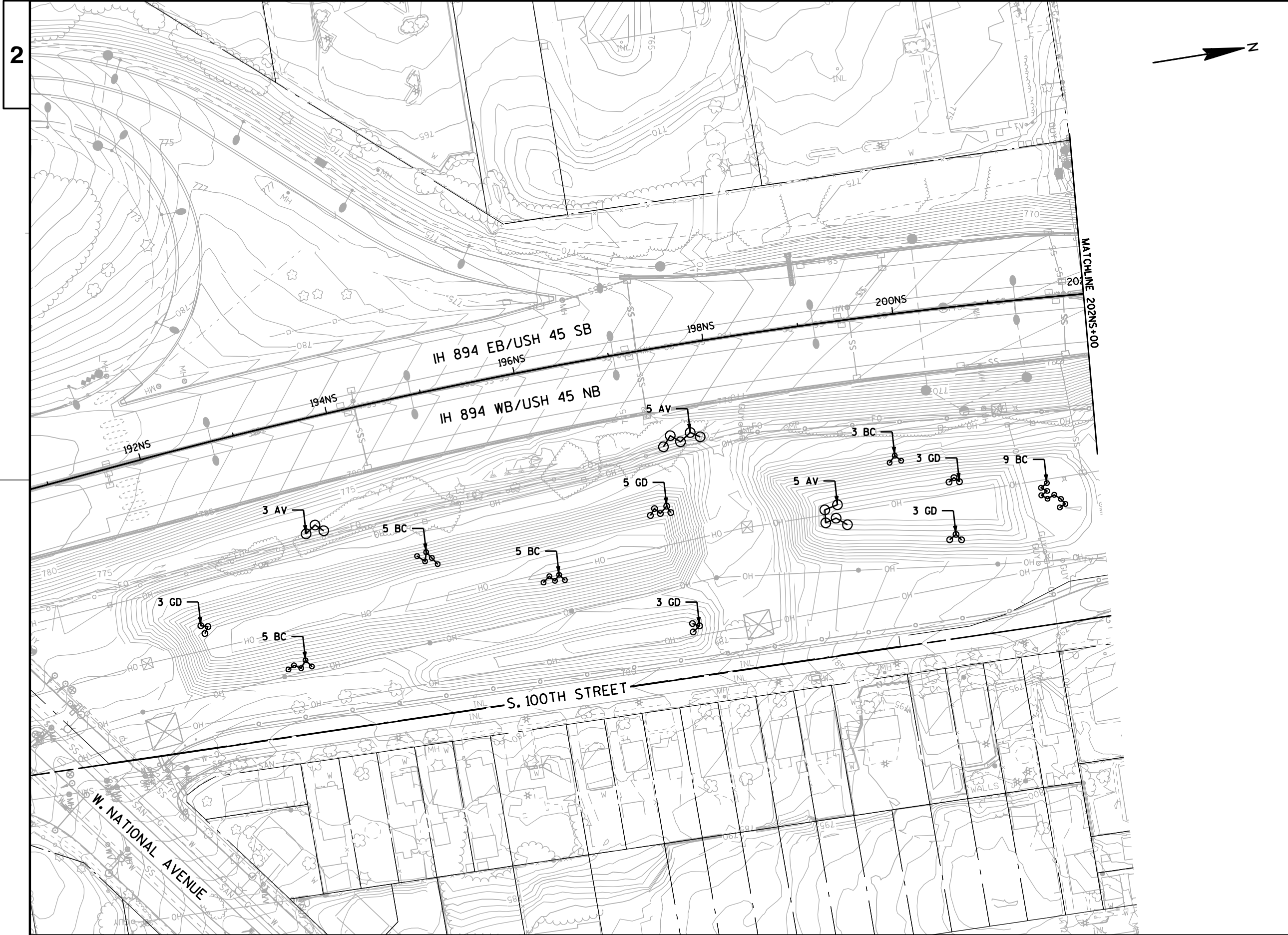
⊗	SDD	DAYLILY, STELLA de ORO DWARF
	WLC	CATMINT, WALKERS LOW
	PC	CONEFLOWER, PURPLE
	RS	SAGE, RUSSIAN
	RG	GERANIUM, ROZANNE
	KFG	GRASS, KARL FOERSTER
	HMP	PANICUM, HEAVY METAL

LEGEND

▲	RETAINING WALL
—○—	FENCE
○—○	LIGHT POLE
⊗	PLUG LOCATION

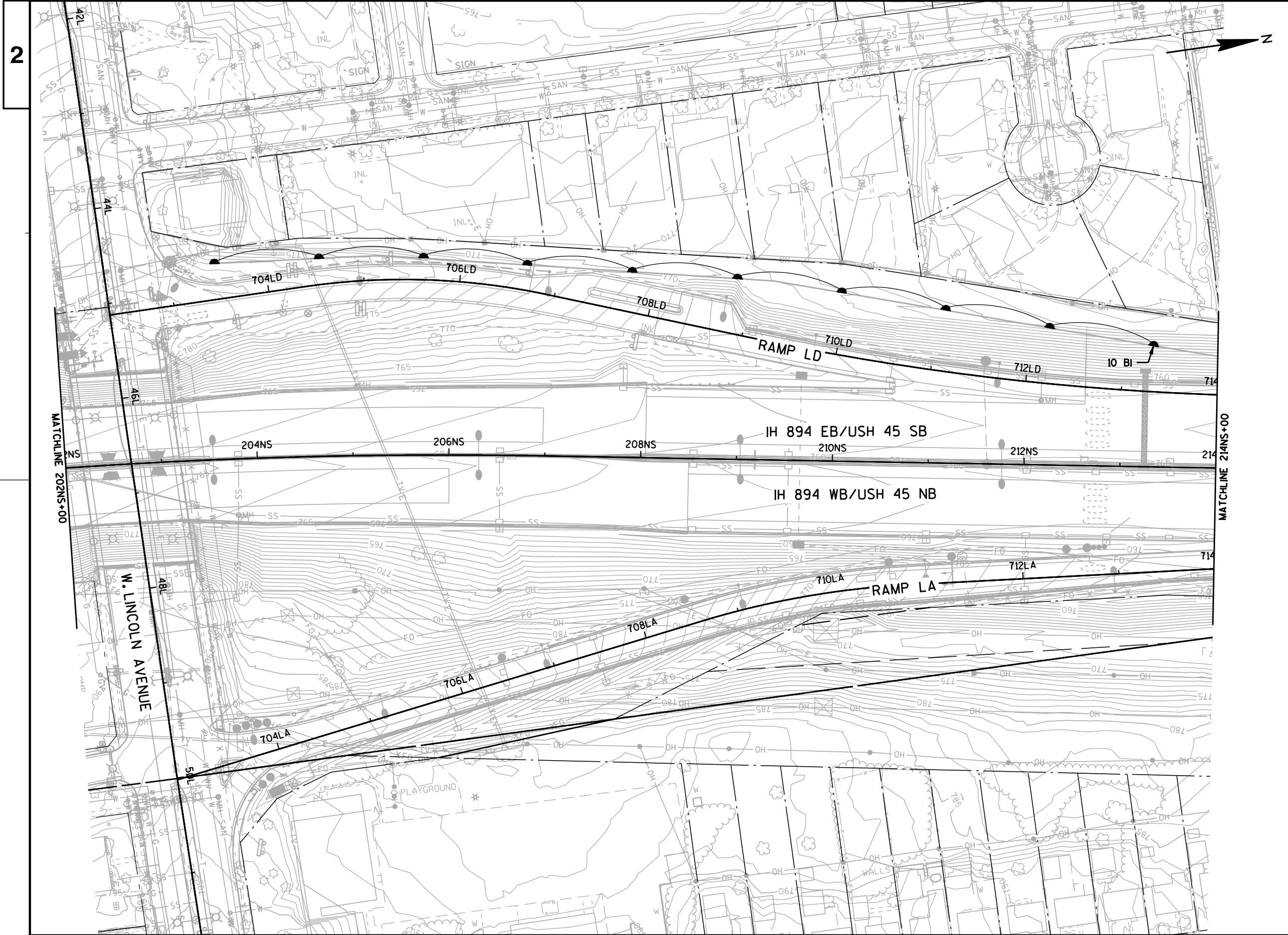
NOTE:

1. ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES
2. MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART
3. IVY TO BE PLANTED 1'-0" MAX FROM NOISE BARRIER AND RETAINING WALL



PLANT KEY

SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	TE	ELM, TRIUMPH
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	TH	HONEYLOCUST, THORNLESS 'IMPERIAL'
	SM	MAPLE, SUGAR CRESCENDO
	BO	OAK, BUR
	SWO	OAK, SWAMP WHITE
LPT	TREE, EXCLAMATION LONDON PLANE	
DECIDUOUS TREES (ORNAMENTAL)		
⊗	RC	CRABAPPLE ROBINSON
	PFC	CRABAPPLE, PRAIRIFIRE
	PD	DOGWOOD, PAGODA
	TCH	HAWTHORN, COCKSPUR THORNLESS
	AH	AM. HOPHORNBEAM
	WC	WITCHHAZEL, COMMON
	AS	SERVICEBERRY, APPLE
	RPS	SMOKEBUSH, ROYAL PURPLE
EVERGREEN		
⊗	ERC	REDCEDAR, EASTERN
	IJ	JUNIPER, IOWA
	MJ	JUNIPER, MOUNTBATTEN
	WS	SPRUCE, WHITE
SHRUBS		
⊗	BC	CHOKEBERRY, BLACK
	GD	DOGWOOD, GRAY
	SR	ROSE, SUNNY KNOCK OUT
	TS	SPIREA, TOR BIRCHLEAF
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
	CV	VIBURNUM, COMPACT CRANBERRY
	VINES	
⌒	BI	IVY, BOSTON
PERENNIALS & GRASSES		
⊗	SDD	DAYLILY, STELLA de ORO DWARF
	WLC	CATMINT, WALKERS LOW
	PC	CONEFLOWER, PURPLE
	RS	SAGE, RUSSIAN
	RG	GERANIUM, ROZANNE
	KFG	GRASS, KARL FOERSTER
	HMP	PANICUM, HEAVY METAL
	LEGEND	
▲ RETAINING WALL —○— FENCE ○—○ LIGHT POLE ■ PLUG LOCATION		
NOTE: 1. ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES 2. MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART 3. IVY TO BE PLANTED 1'-0" MAX FROM NOISE BARRIER AND RETAINING WALL		
SHEET 1 OF 25		



PLANT KEY

SYM.	ABBR.	COMMON NAME	
DECIDUOUS TREES (SHADE)			
	NC	CATALPA, NORTHERN	
	KC	COFFEETREE, KENTUCKY	
	TE	ELM, TRIUMPH	
	CH	HACKBERRY, COMMON	
	ASL	LINDEN, 'SENTRY'	
	RL	LINDEN, REDMOND	
	TH	HONEYLOCUST, THORNLESS 'IMPERIAL'	
	SM	MAPLE, SUGAR CRESCENDO	
	BO	OAK, BUR	
	SWO	OAK, SWAMP WHITE	
LPT	TREE, EXCLAMATION LONDON PLANE		
DECIDUOUS TREES (ORNAMENTAL)			
	RC	CRABAPPLE ROBINSON	
	PFC	CRABAPPLE, PRAIRIFIRE	
	PD	DOGWOOD, PAGODA	
	TCH	HAWTHORN, COCKSPUR THORNLESS	
	AH	AM. HOPHORNBEAM	
	WC	WITCHHAZEL, COMMON	
	AS	SERVICEBERRY, APPLE	
	RPS	SMOKEBUSH, ROYAL PURPLE	
EVERGREEN			
	ERC	REDCEDAR, EASTERN	
	IJ	JUNIPER, IOWA	
	MJ	JUNIPER, MOUNTBATTEN	
	WS	SPRUCE, WHITE	
SHRUBS			
	BC	CHOKEBERRY, BLACK	
	GD	DOGWOOD, GRAY	
	SR	ROSE, SUNNY KNOCK OUT	
	TS	SPIREA, TOR BIRCHLEAF	
	FS	SUMAC, FRAGRANT	
	SS	SUMAC, SMOOTH	
	AV	VIBURNUM, ARROWWOOD	
	CV	VIBURNUM, COMPACT CRANBERRY	
VINES			
	BI	IVY, BOSTON	
PERENNIALS & GRASSES			
	SDD	DAYLILY, STELLA de ORO DWARF	
	WLC	CATMINT, WALKERS LOW	
	PC	CONEFLOWER, PURPLE	
	RS	SAGE, RUSSIAN	
	RG	GERANIUM, ROZANNE	
	KFG	GRASS, KARL FOERSTER	
	HMP	PANICUM, HEAVY METAL	
LEGEND			
			RETAINING WALL
			FENCE
			LIGHT POLE
			PLUG LOCATION
NOTE:			
1. ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES			
2. MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART			
3. IVY TO BE PLANTED 1'-0" MAX FROM NOISE BARRIER AND RETAINING WALL			
SHEET 2 OF 25			



PLANT KEY

SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
(+)	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	TE	ELM, TRIUMPH
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	TH	HONEYLOCUST, THORNLESS 'IMPERIAL'
	SM	MAPLE, SUGAR CRESCENDO
	BO	OAK, BUR
	SWO	OAK, SWAMP WHITE
	LPT	TREE, EXCLAMATION LONDON PLANE

DECIDUOUS TREES (ORNAMENTAL)

(*)	RC	CRABAPPLE ROBINSON
	PFC	CRABAPPLE, PRAIRIFIRE
	PD	DOGWOOD, PAGODA
	TCH	HAWTHORN, COCKSPUR THORNLESS
	AH	AM. HOPHORNBEAM
	WC	WITCHHAZEL, COMMON
	AS	SERVICEBERRY, APPLE
	RPS	SMOKEBUSH, ROYAL PURPLE

EVERGREEN

(*)	ERC	REDCEDAR, EASTERN
	IJ	JUNIPER, IOWA
	MJ	JUNIPER, MOUNTBATTEN
	WS	SPRUCE, WHITE

SHRUBS

(*)	BC	CHOKEBERRY, BLACK
	GD	DOGWOOD, GRAY
	SR	ROSE, SUNNY KNOCK OUT
	TS	SPIREA, TOR BIRCHLEAF
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
	CV	VIBURNUM, COMPACT CRANBERRY

VINES

(*)	BI	IVY, BOSTON
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PERENNIALS & GRASSES

(*)	SDD	DAYLILY, STELLA de ORO DWARF
	WLC	CATMINT, WALKERS LOW
	PC	CONEFLOWER, PURPLE
	RS	SAGE, RUSSIAN
	RG	GERANIUM, ROZANNE
	KFG	GRASS, KARL FOERSTER
	HMP	PANICUM, HEAVY METAL

LEGEND

(▲)	RETAINING WALL
(—○—)	FENCE
(○—○)	LIGHT POLE
(■)	PLUG LOCATION

NOTE:

1. ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES
2. MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART
3. IVY TO BE PLANTED 1'-0" MAX FROM NOISE BARRIER AND RETAINING WALL

SHEET 3 OF 25

PROJECT NO:1060-35-81

HWY: VAR HWY

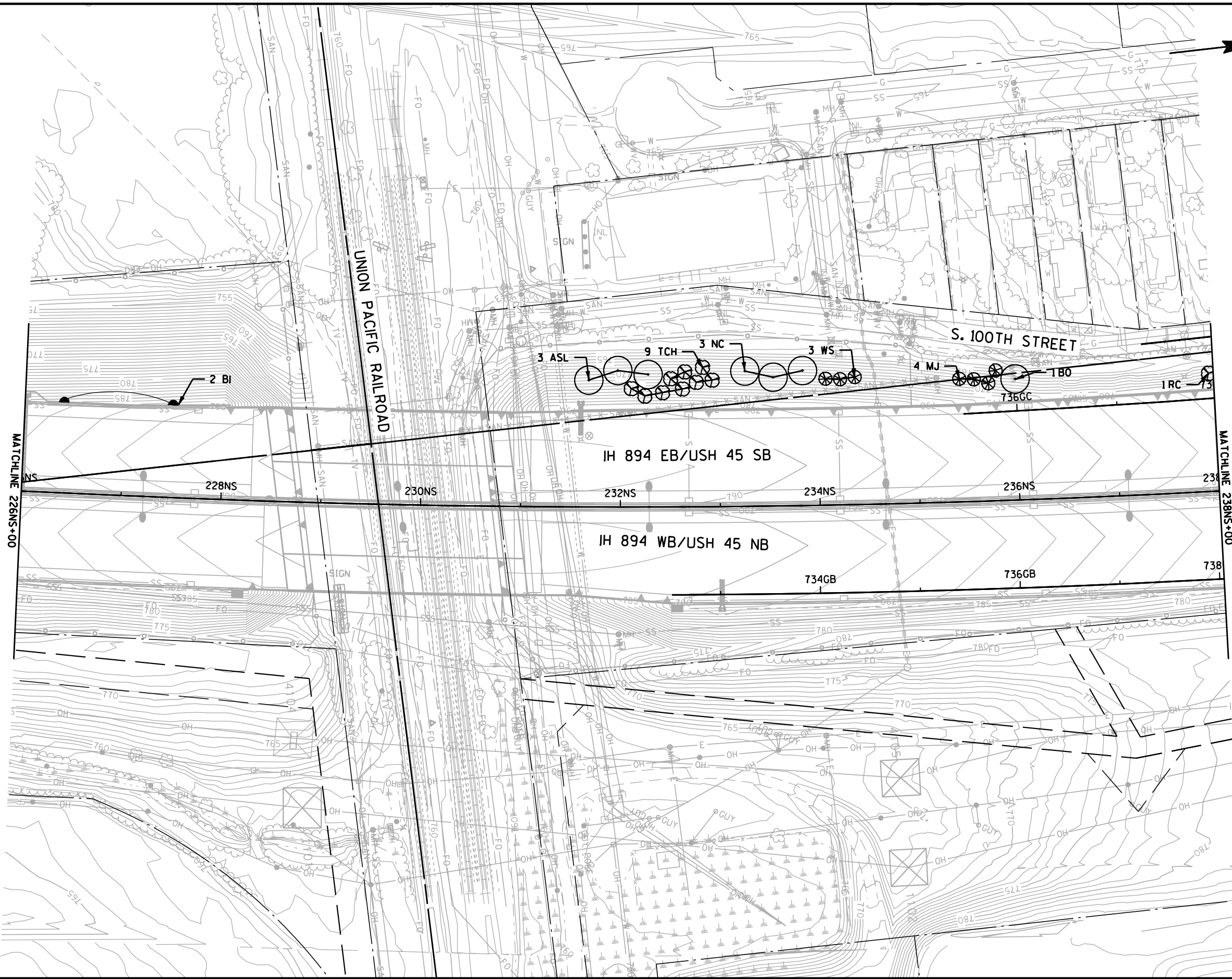
COUNTY:MILWAUKEE

STREETSCAPING PLANS

SHEET

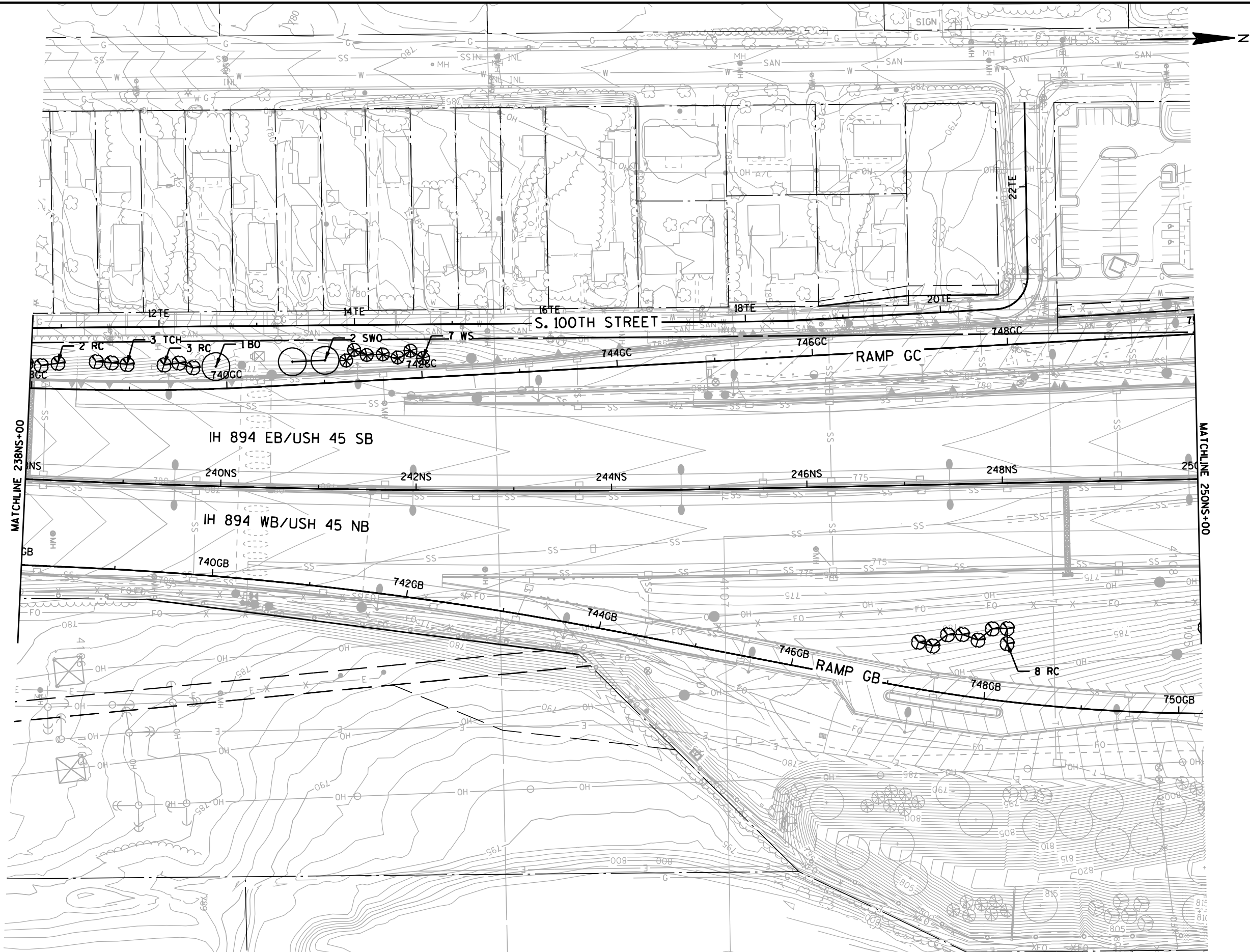
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PLANT KEY		
SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	TE	ELM, TRIUMPH
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	TH	HONEYLOCUST, THORNLESS 'IMPERIAL'
	SM	MAPLE, SUGAR CRESCENDO
	BO	OAK, BUR
	SWO	OAK, SWAMP WHITE
LPT	TREE, EXCLAMATION LONDON PLANE	
DECIDUOUS TREES (ORNAMENTAL)		
	RC	CRABAPPLE ROBINSON
	PFC	CRABAPPLE, PRAIRIFIRE
	PD	DOGWOOD, PAGODA
	TCH	HAWTHORN, COCKSPUR THORNLESS
	AH	AM. HOPHORNBEAM
	WC	WITCHHAZEL, COMMON
	AS	SERVICEBERRY, APPLE
	RPS	SMOKEBUSH, ROYAL PURPLE
EVERGREEN		
	ERC	REDCEDAR, EASTERN
	IJ	JUNIPER, IOWA
	MJ	JUNIPER, MOUNTBATTEN
	WS	SPRUCE, WHITE
SHRUBS		
	BC	CHOKEBERRY, BLACK
	GD	DOGWOOD, GRAY
	SR	ROSE, SUNNY KNOCK OUT
	TS	SPIREA, TOR BIRCHLEAF
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
	CV	VIBURNUM, COMPACT CRANBERRY
VINES		
	BI	IVY, BOSTON
PERENNIALS & GRASSES		
	SDD	DAYLILY, STELLA de ORO DWARF
	WLC	CATMINT, WALKERS LOW
	PC	CONEFLOWER, PURPLE
	RS	SAGE, RUSSIAN
	RG	GERANIUM, ROZANNE
	KFG	GRASS, KARL FOERSTER
	HMP	PANICUM, HEAVY METAL
LEGEND		
		RETAINING WALL
		FENCE
		LIGHT POLE
		PLUG LOCATION
NOTE:		
1. ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES		
2. MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART		
3. IVY TO BE PLANTED 1'-0" MAX FROM NOISE BARRIER AND RETAINING WALL		
SHEET 4 OF 25		

2



PLANT KEY

SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
(+)	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	TE	ELM, TRIUMPH
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	TH	HONEYLOCUST, THORNLESS 'IMPERIAL'
	SM	MAPLE, SUGAR CRESCENDO
	BO	OAK, BUR
	SWO	OAK, SWAMP WHITE
	LPT	TREE, EXCLAMATION LONDON PLANE

DECIDUOUS TREES (ORNAMENTAL)

(/)	RC	CRABAPPLE ROBINSON
	PFC	CRABAPPLE, PRAIRIFIRE
	PD	DOGWOOD, PAGODA
	TCH	HAWTHORN, COCKSPUR THORNLESS
	AH	AM. HOPHORNBEAM
	WC	WITCHHAZEL, COMMON
	AS	SERVICEBERRY, APPLE
	RPS	SMOKEBUSH, ROYAL PURPLE

EVERGREEN

(*)	ERC	REDCEDAR, EASTERN
	IJ	JUNIPER, IOWA
	MJ	JUNIPER, MOUNTBATTEN
	WS	SPRUCE, WHITE

SHRUBS

(o)	BC	CHOKEBERRY, BLACK
	GD	DOGWOOD, GRAY
	SR	ROSE, SUNNY KNOCK OUT
	TS	SPIREA, TOR BIRCHLEAF
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
	CV	VIBURNUM, COMPACT CRANBERRY

VINES

(^)	BI	IVY, BOSTON
-----	----	-------------

PERENNIALS & GRASSES

(o)	SDD	DAYLILY, STELLA de ORO DWARF
	WLC	CATMINT, WALKERS LOW
	PC	CONEFLOWER, PURPLE
	RS	SAGE, RUSSIAN
	RG	GERANIUM, ROZANNE
	KFG	GRASS, KARL FOERSTER
	HMP	PANICUM, HEAVY METAL

LEGEND

(▲)	RETAINING WALL
(—o—)	FENCE
(o—o)	LIGHT POLE
(■)	PLUG LOCATION

NOTE:

1. ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES
2. MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART
3. IVY TO BE PLANTED 1'-0" MAX FROM NOISE BARRIER AND RETAINING WALL

SHEET 5 OF 25

PROJECT NO:1060-35-81

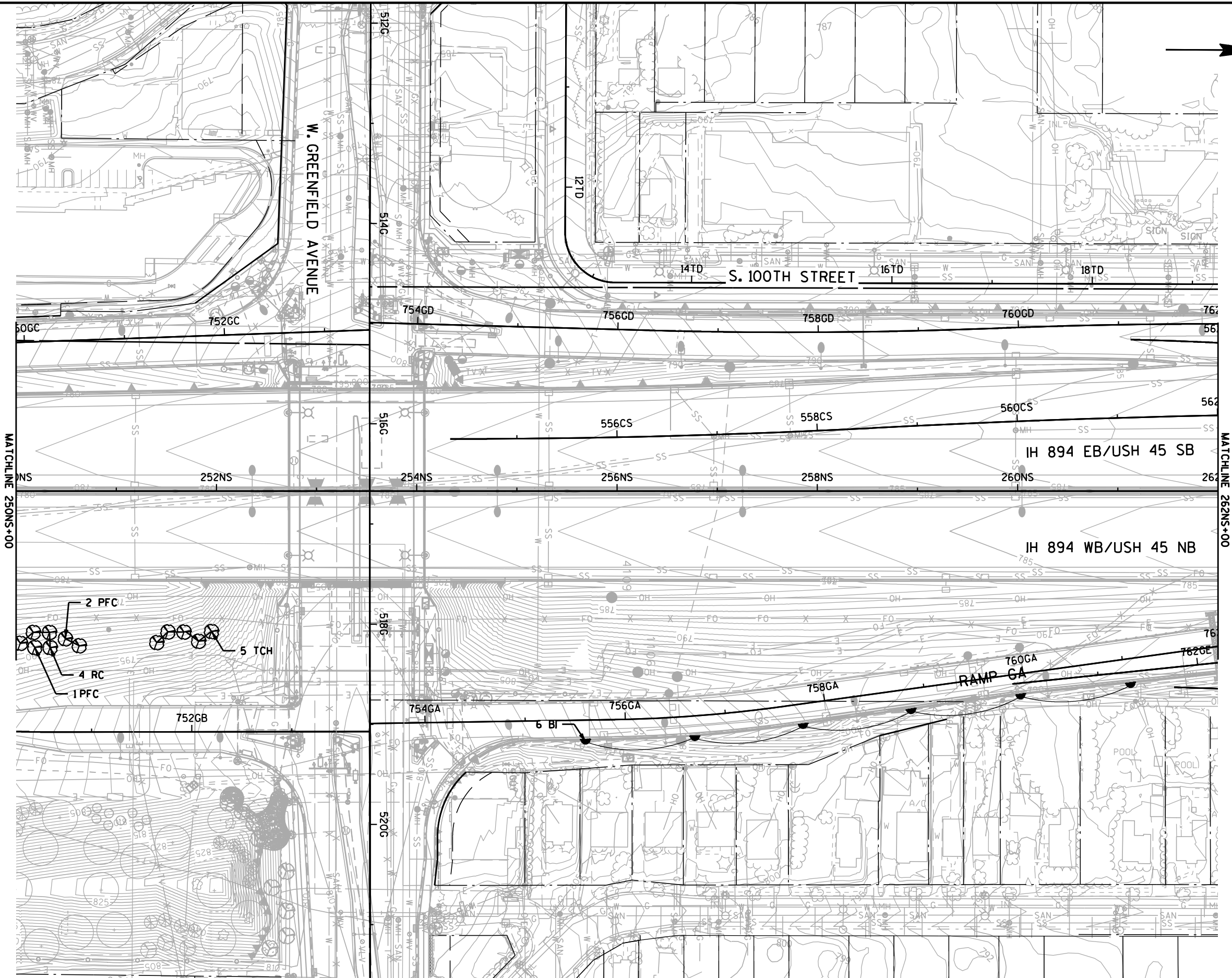
HWY: VAR HWY

COUNTY:MILWAUKEE

STREETSCAPING PLANS

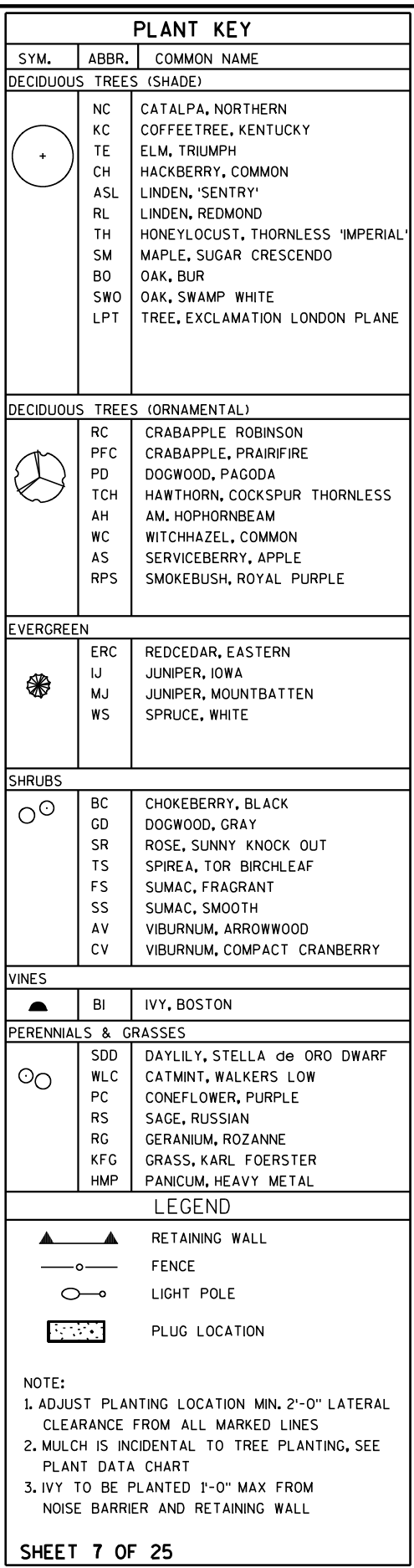
SHEET

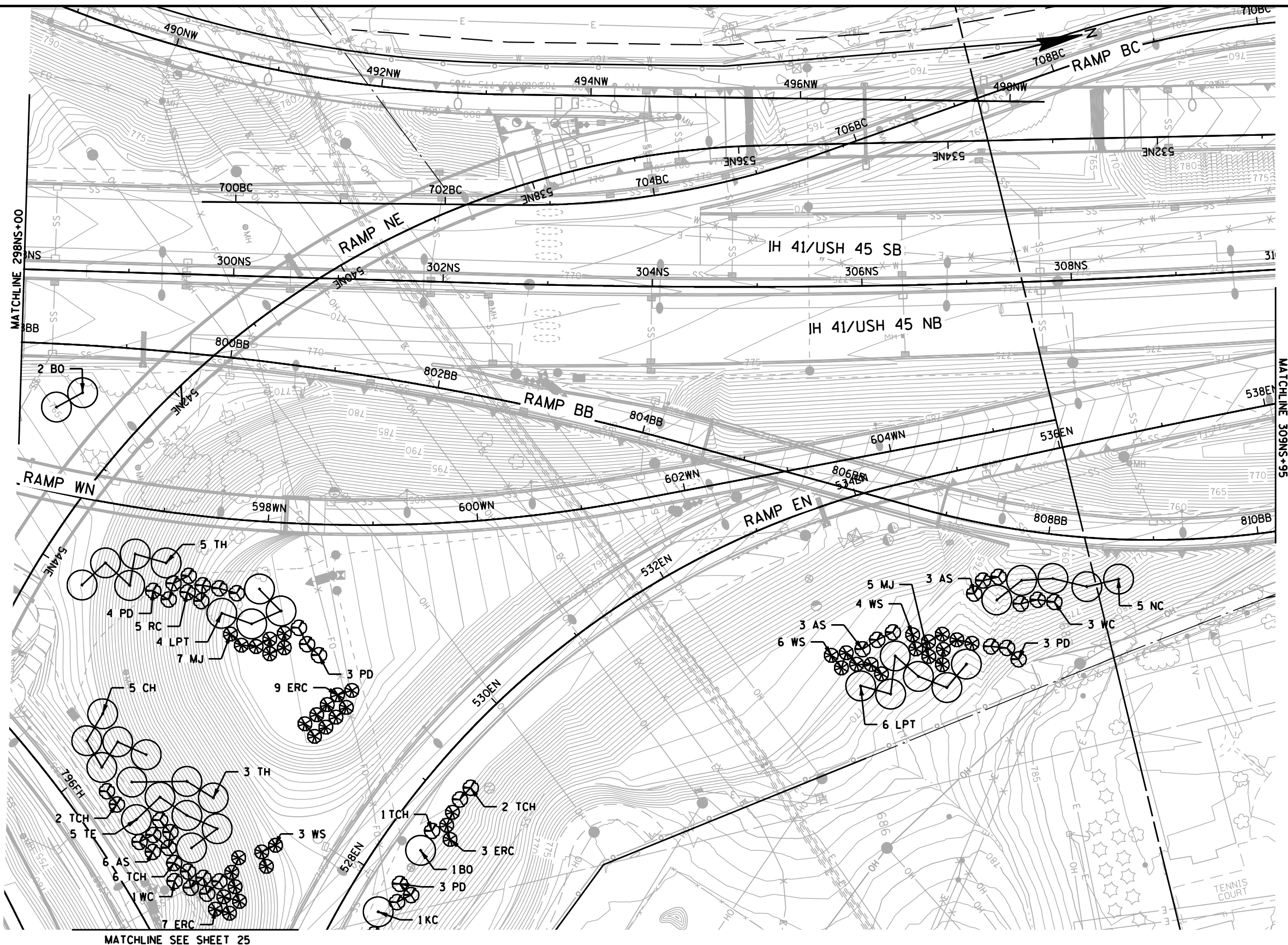
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PLANT KEY		
SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	TE	ELM, TRIUMPH
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	TH	HONEYLOCUST, THORNLESS 'IMPERIAL'
	SM	MAPLE, SUGAR CRESCENDO
	BO	OAK, BUR
	SWO	OAK, SWAMP WHITE
LPT	TREE, EXCLAMATION LONDON PLANE	
DECIDUOUS TREES (ORNAMENTAL)		
	RC	CRABAPPLE ROBINSON
	PFC	CRABAPPLE, PRAIRIFIRE
	PD	DOGWOOD, PAGODA
	TCH	HAWTHORN, COCKSPUR THORNLESS
	AH	AM. HOPHORNBEAM
	WC	WITCHHAZEL, COMMON
	AS	SERVICEBERRY, APPLE
	RPS	SMOKEBUSH, ROYAL PURPLE
EVERGREEN		
	ERC	REDCEDAR, EASTERN
	IJ	JUNIPER, IOWA
	MJ	JUNIPER, MOUNTBATTEN
	WS	SPRUCE, WHITE
SHRUBS		
	BC	CHOKEBERRY, BLACK
	GD	DOGWOOD, GRAY
	SR	ROSE, SUNNY KNOCK OUT
	TS	SPIREA, TOR BIRCHLEAF
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
	CV	VIBURNUM, COMPACT CRANBERRY
VINES		
	BI	IVY, BOSTON
PERENNIALS & GRASSES		
	SDD	DAYLILY, STELLA de ORO DWARF
	WLC	CATMINT, WALKERS LOW
	PC	CONEFLOWER, PURPLE
	RS	SAGE, RUSSIAN
	RG	GERANIUM, ROZANNE
	KFG	GRASS, KARL FOERSTER
	HMP	PANICUM, HEAVY METAL
	LEGEND	
RETAINING WALL		
FENCE		
LIGHT POLE		
PLUG LOCATION		
NOTE: 1. ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES 2. MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART 3. IVY TO BE PLANTED 1'-0" MAX FROM NOISE BARRIER AND RETAINING WALL		
SHEET 6 OF 25		

2





MATCHLINE SEE SHEET 25

PLANT KEY

SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	TE	ELM, TRIUMPH
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	TH	HONEYLOCUST, THORNLESS 'IMPERIAL'
	SM	MAPLE, SUGAR CRESCENDO
	BO	OAK, BUR
	SWO	OAK, SWAMP WHITE
	LPT	TREE, EXCLAMATION LONDON PLANE

DECIDUOUS TREES (ORNAMENTAL)

	RC	CRABAPPLE ROBINSON
	PFC	CRABAPPLE, PRAIRIFIRE
	PD	DOGWOOD, PAGODA
	TCH	HAWTHORN, COCKSPUR THORNLESS
	AH	AM. HOPHORNBEAM
	WC	WITCHHAZEL, COMMON
	AS	SERVICEBERRY, APPLE
	RPS	SMOKEBUSH, ROYAL PURPLE

EVERGREEN

	ERC	REDCEDAR, EASTERN
	IJ	JUNIPER, IOWA
	MJ	JUNIPER, MOUNTBATTEN
	WS	SPRUCE, WHITE

SHRUBS

	BC	CHOKEBERRY, BLACK
	GD	DOGWOOD, GRAY
	SR	ROSE, SUNNY KNOCK OUT
	TS	SPIREA, TOR BIRCHLEAF
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
	CV	VIBURNUM, COMPACT CRANBERRY

VINES

	BI	IVY, BOSTON
--	----	-------------

PERENNIALS & GRASSES

	SDD	DAYLILY, STELLA de ORO DWARF
	WLC	CATMINT, WALKERS LOW
	PC	CONEFLOWER, PURPLE
	RS	SAGE, RUSSIAN
	RG	GERANIUM, ROZANNE
	KFG	GRASS, KARL FOERSTER
	HMP	PANICUM, HEAVY METAL

LEGEND

▲	RETAINING WALL
—○—	FENCE
○	LIGHT POLE
■	PLUG LOCATION

NOTE:

1. ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES
2. MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART
3. IVY TO BE PLANTED 1'-0" MAX FROM NOISE BARRIER AND RETAINING WALL

SHEET 10 OF 25

PROJECT NO:1060-35-81

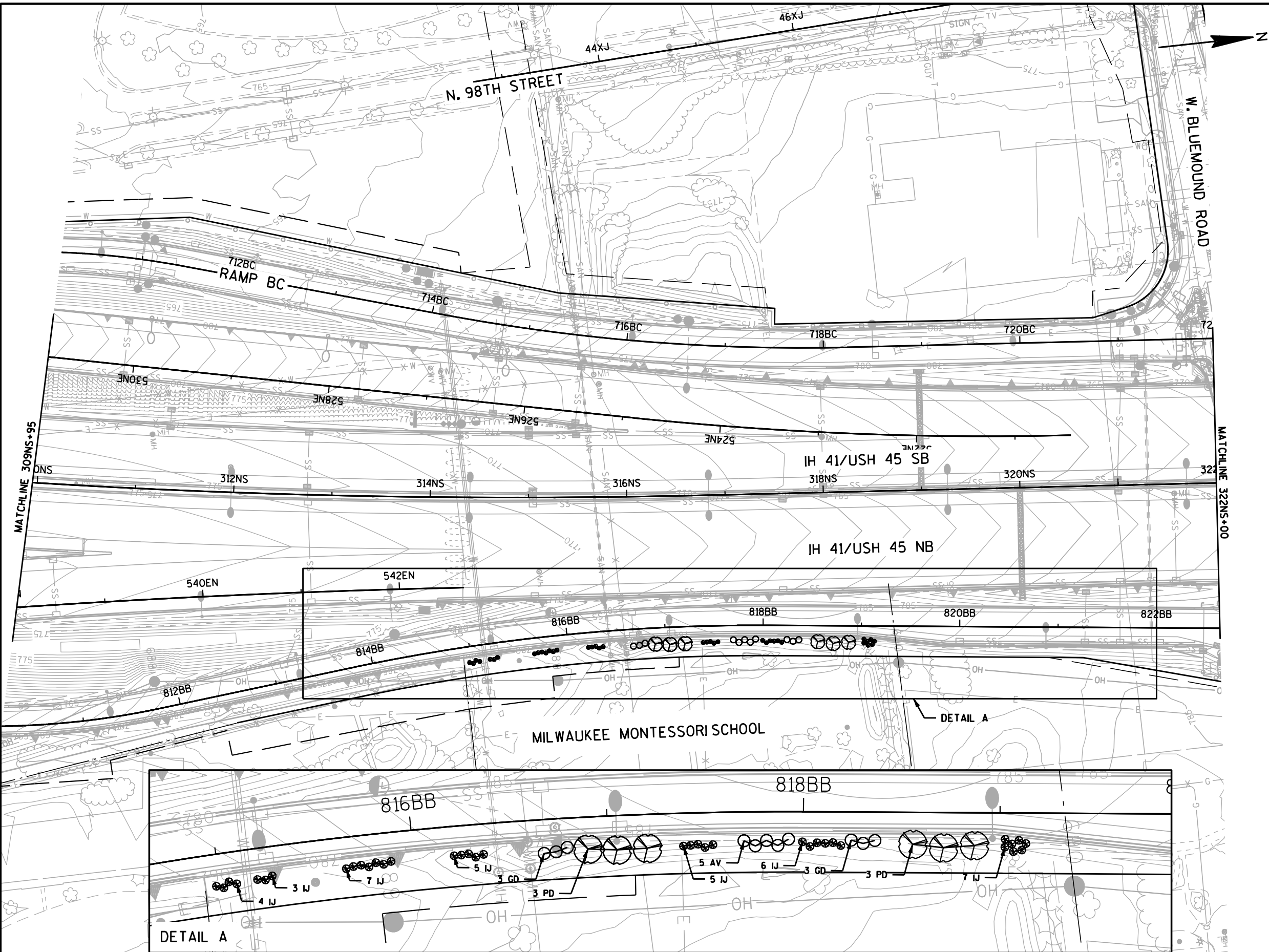
HWY: VAR HWY

COUNTY:MILWAUKEE

STREETSCAPING PLANS

SHEET

E



PLANT KEY

SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	TE	ELM, TRIUMPH
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	TH	HONEYLOCUST, THORNLESS 'IMPERIAL'
	SM	MAPLE, SUGAR CRESCENDO
	BO	OAK, BUR
	SWO	OAK, SWAMP WHITE
	LPT	TREE, EXCLAMATION LONDON PLANE

DECIDUOUS TREES (ORNAMENTAL)

RC	CRABAPPLE ROBINSON
PFC	CRABAPPLE, PRAIRIFIRE
PD	DOGWOOD, PAGODA
TCH	HAWTHORN, COCKSPUR THORNLESS
AH	AM. HOPHORNBEAM
WC	WITCHHAZEL, COMMON
AS	SERVICEBERRY, APPLE
RPS	SMOKEBUSH, ROYAL PURPLE

EVERGREEN

ERC	REDCEDAR, EASTERN
IJ	JUNIPER, IOWA
MJ	JUNIPER, MOUNTBATTEN
WS	SPRUCE, WHITE

SHRUBS

BC	CHOKEBERRY, BLACK
GD	DOGWOOD, GRAY
SR	ROSE, SUNNY KNOCK OUT
TS	SPIREA, TOR BIRCHLEAF
FS	SUMAC, FRAGRANT
SS	SUMAC, SMOOTH
AV	VIBURNUM, ARROWWOOD
CV	VIBURNUM, COMPACT CRANBERRY

VINES

BI	IVY, BOSTON
----	-------------

PERENNIALS & GRASSES

SDD	DAYLILY, STELLA de ORO DWARF
WLC	CATMINT, WALKERS LOW
PC	CONEFLOWER, PURPLE
RS	SAGE, RUSSIAN
RG	GERANIUM, ROZANNE
KFG	GRASS, KARL FOERSTER
HMP	PANICUM, HEAVY METAL

LEGEND

▲	RETAINING WALL
—○—	FENCE
○	LIGHT POLE
■	PLUG LOCATION

NOTE:

1. ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES
2. MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART
3. IVY TO BE PLANTED 1'-0" MAX FROM NOISE BARRIER AND RETAINING WALL

SHEET 11 OF 25

PROJECT NO:1060-35-81

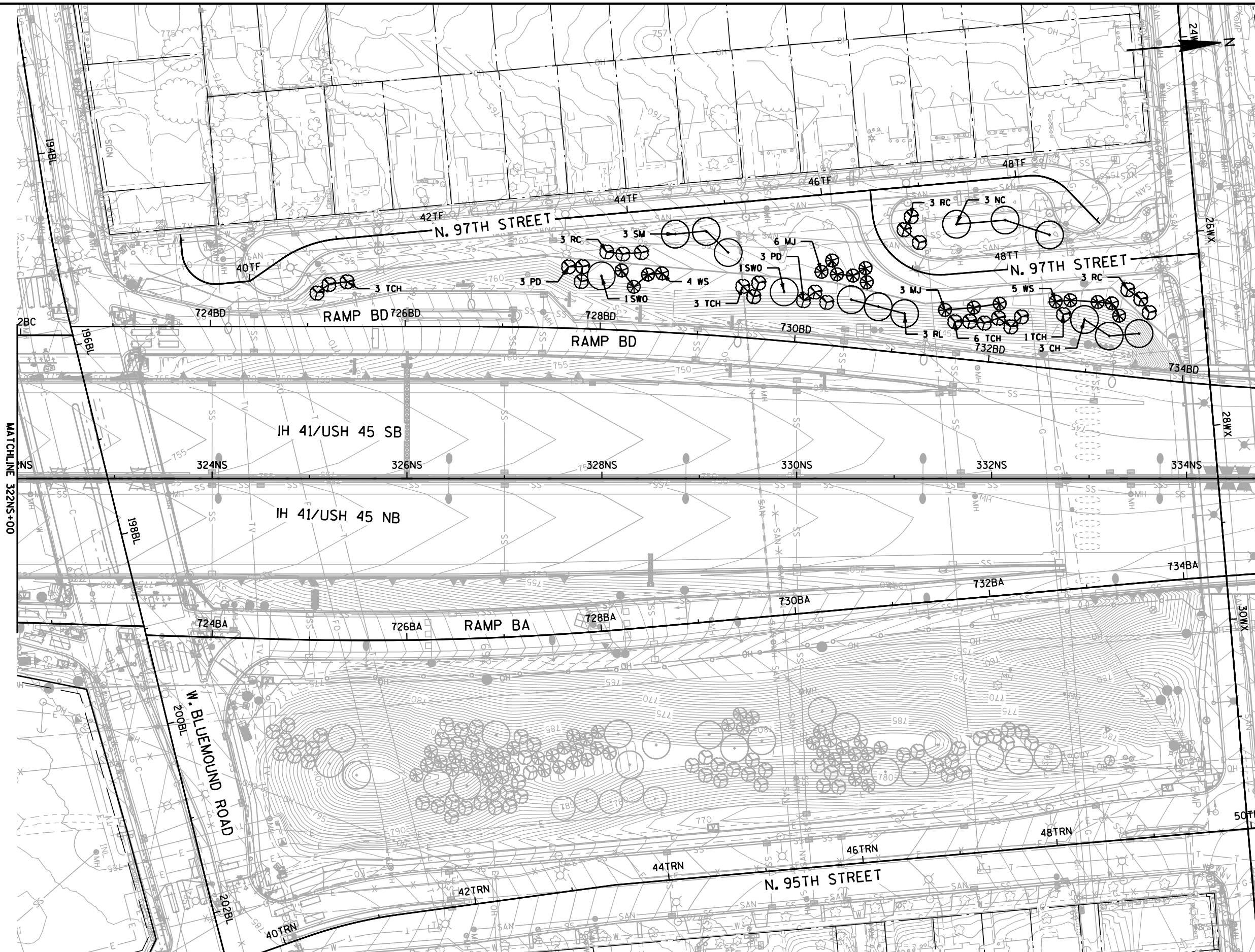
HWY: VAR HWY

COUNTY:MILWAUKEE

STREETSCAPING PLANS

SHEET

E



PLANT KEY

SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	TE	ELM, TRIUMPH
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	TH	HONEYLOCUST, THORNLESS 'IMPERIAL'
	SM	MAPLE, SUGAR CRESCENDO
	BO	OAK, BUR
	SWO	OAK, SWAMP WHITE
	LPT	TREE, EXCLAMATION LONDON PLANE

DECIDUOUS TREES (ORNAMENTAL)

	RC	CRABAPPLE ROBINSON
	PFC	CRABAPPLE, PRAIRIFIRE
	PD	DOGWOOD, PAGODA
	TCH	HAWTHORN, COCKSPUR THORNLESS
	AH	AM. HOPHORNBEAM
	WC	WITCHHAZEL, COMMON
	AS	SERVICEBERRY, APPLE
	RPS	SMOKEBUSH, ROYAL PURPLE

EVERGREEN

	ERC	REDCEDAR, EASTERN
	IJ	JUNIPER, IOWA
	MJ	JUNIPER, MOUNTBATTEN
	WS	SPRUCE, WHITE

SHRUBS

	BC	CHOKEBERRY, BLACK
	GD	DOGWOOD, GRAY
	SR	ROSE, SUNNY KNOCK OUT
	TS	SPIREA, TOR BIRCHLEAF
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
	CV	VIBURNUM, COMPACT CRANBERRY

VINES

	BI	IVY, BOSTON
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PERENNIALS & GRASSES

	SDD	DAYLILY, STELLA de ORO DWARF
	WLC	CATMINT, WALKERS LOW
	PC	CONEFLOWER, PURPLE
	RS	SAGE, RUSSIAN
	RG	GERANIUM, ROZANNE
	KFG	GRASS, KARL FOERSTER
	HMP	PANICUM, HEAVY METAL

LEGEND

	RETAINING WALL
	FENCE
	LIGHT POLE
	PLUG LOCATION

NOTE:

1. ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES
2. MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART
3. IVY TO BE PLANTED 1'-0" MAX FROM NOISE BARRIER AND RETAINING WALL

SHEET 12 OF 25

PROJECT NO:1060-35-81

HWY: VAR HWY

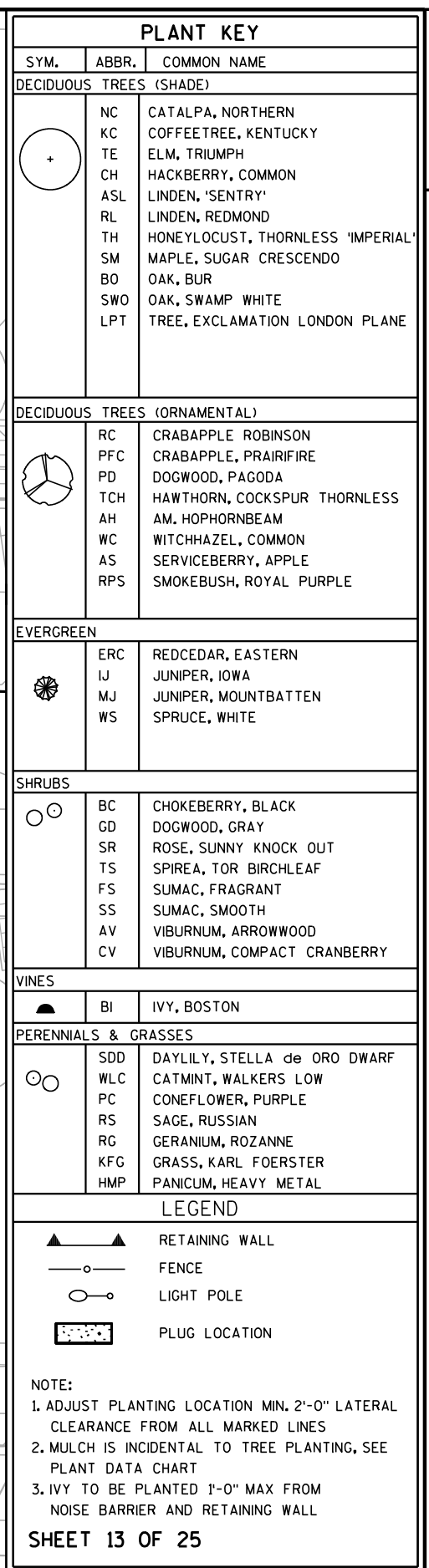
COUNTY:MILWAUKEE

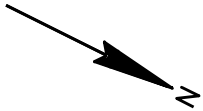
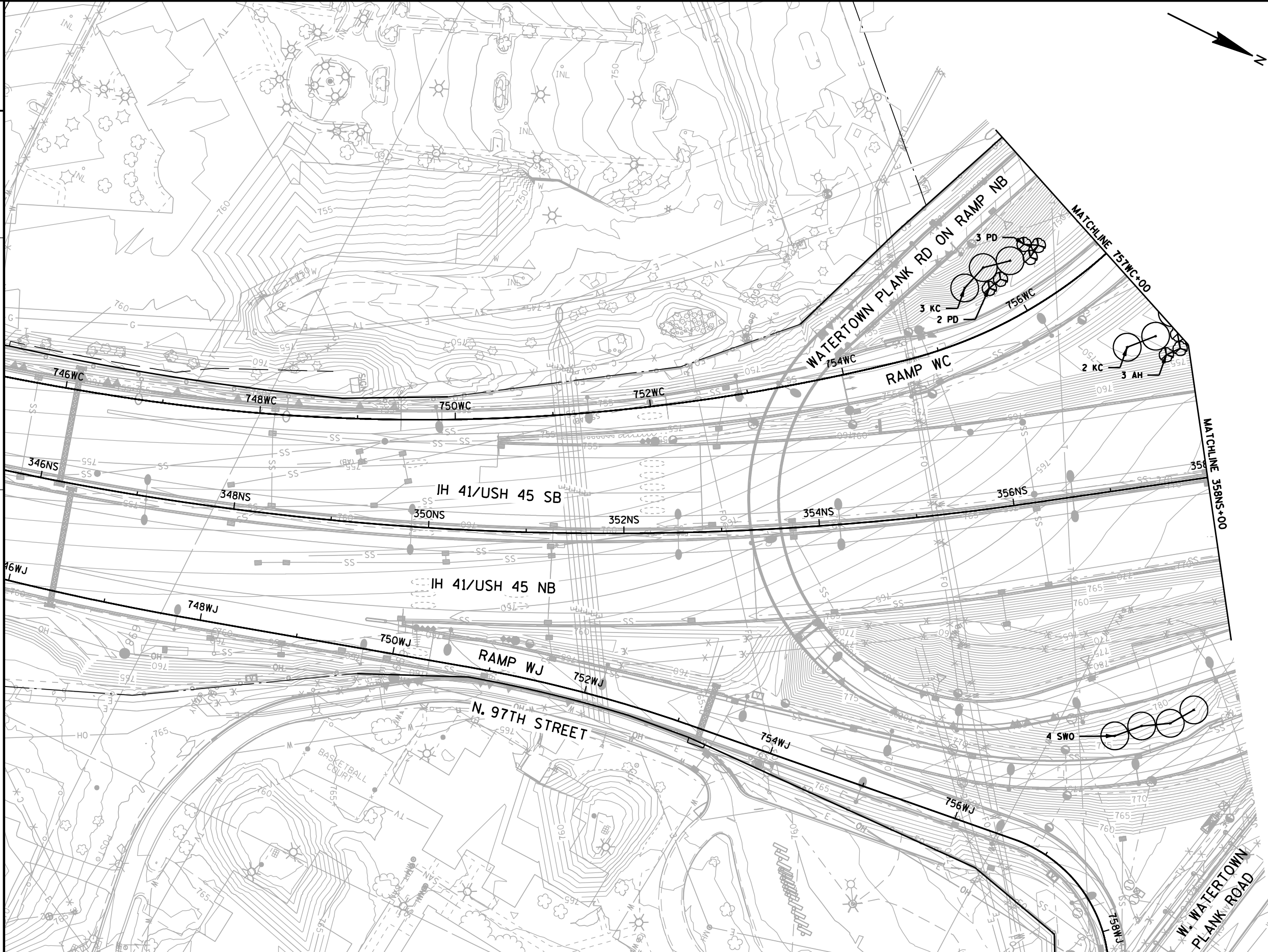
STREETSCAPING PLANS

SHEET

E

2





PLANT KEY		
SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	TE	ELM, TRIUMPH
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	TH	HONEYLOCUST, THORNLESS 'IMPERIAL'
	SM	MAPLE, SUGAR CRESCENDO
	BO	OAK, BUR
	SWO	OAK, SWAMP WHITE
	LPT	TREE, EXCLAMATION LONDON PLANE

DECIDUOUS TREES (ORNAMENTAL)		
	RC	CRABAPPLE ROBINSON
	PFC	CRABAPPLE, PRAIRIFIRE
	PD	DOGWOOD, PAGODA
	TCH	HAWTHORN, COCKSPUR THORNLESS
	AH	AM. HOPHORNBEAM
	WC	WITCHHAZEL, COMMON
	AS	SERVICEBERRY, APPLE
	RPS	SMOKEBUSH, ROYAL PURPLE

EVERGREEN		
	ERC	REDCEDAR, EASTERN
	IJ	JUNIPER, IOWA
	MJ	JUNIPER, MOUNTBATTEN
	WS	SPRUCE, WHITE

SHRUBS		
	BC	CHOKEBERRY, BLACK
	GD	DOGWOOD, GRAY
	SR	ROSE, SUNNY KNOCK OUT
	TS	SPIREA, TOR BIRCHLEAF
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
	CV	VIBURNUM, COMPACT CRANBERRY

VINES		
	BI	IVY, BOSTON

PERENNIALS & GRASSES		
	SDD	DAYLILY, STELLA de ORO DWARF
	WLC	CATMINT, WALKERS LOW
	PC	CONEFLOWER, PURPLE
	RS	SAGE, RUSSIAN
	RG	GERANIUM, ROZANNE
	KFG	GRASS, KARL FOERSTER
	HMP	PANICUM, HEAVY METAL

LEGEND

RETAINING WALL

FENCE

LIGHT POLE

PLUG LOCATION

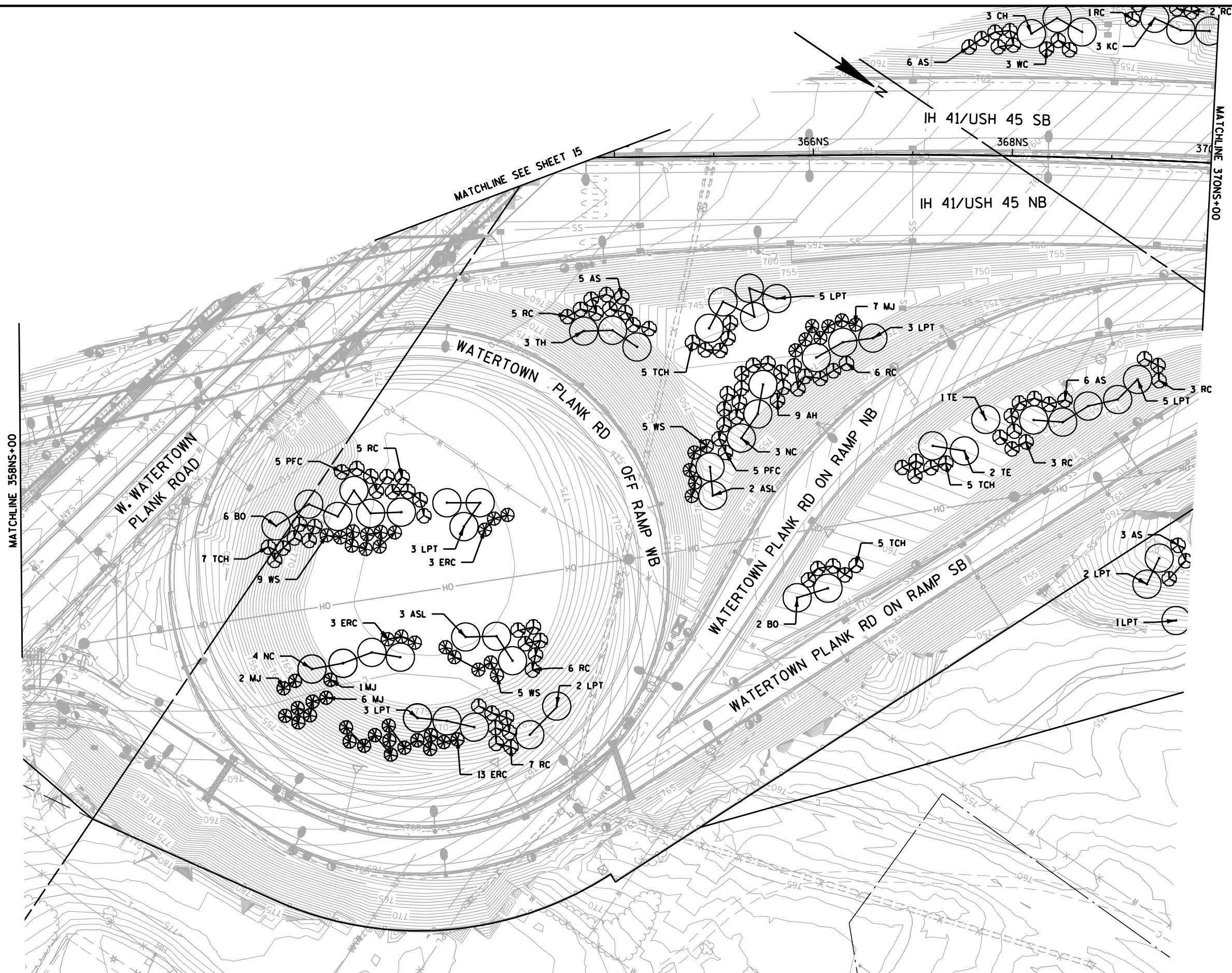
NOTE:

1. ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES

2. MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART

3. IVY TO BE PLANTED 1'-0" MAX FROM NOISE BARRIER AND RETAINING WALL

SHEET 14 OF 25



PLANT KEY

SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
(+)	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	TE	ELM, TRIUMPH
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	TH	HONEYLOCUST, THORNLESS 'IMPERIAL'
	SM	MAPLE, SUGAR CRESCENDO
	BO	OAK, BUR
	SWO	OAK, SWAMP WHITE
	LPT	TREE, EXCLAMATION LONDON PLANE

DECIDUOUS TREES (ORNAMENTAL)

(*)	RC	CRABAPPLE ROBINSON
	PFC	CRABAPPLE, PRAIRIFIRE
	PD	DOGWOOD, PAGODA
	TCH	HAWTHORN, COCKSPUR THORNLESS
	AH	AM. HOPHORNBEAM
	WC	WITCHHAZEL, COMMON
	AS	SERVICEBERRY, APPLE
	RPS	SMOKEBUSH, ROYAL PURPLE

EVERGREEN

(*)	ERC	REDCEDAR, EASTERN
	IJ	JUNIPER, IOWA
	MJ	JUNIPER, MOUNTBATTEN
	WS	SPRUCE, WHITE

SHRUBS

(*)	BC	CHOKEBERRY, BLACK
	GD	DOGWOOD, GRAY
	SR	ROSE, SUNNY KNOCK OUT
	TS	SPIREA, TOR BIRCHLEAF
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
	CV	VIBURNUM, COMPACT CRANBERRY

VINES

(*)	BI	IVY, BOSTON
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PERENNIALS & GRASSES

(*)	SDD	DAYLILY, STELLA de ORO DWARF
	WLC	CATMINT, WALKERS LOW
	PC	CONEFLOWER, PURPLE
	RS	SAGE, RUSSIAN
	RG	GERANIUM, ROZANNE
	KFG	GRASS, KARL FOERSTER
	HMP	PANICUM, HEAVY METAL

LEGEND

(▲)	RETAINING WALL
(—○—)	FENCE
(○—○)	LIGHT POLE
(■)	PLUG LOCATION

NOTE:

1. ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES
2. MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART
3. IVY TO BE PLANTED 1'-0" MAX FROM NOISE BARRIER AND RETAINING WALL

SHEET 15 OF 25

PROJECT NO:1060-35-81

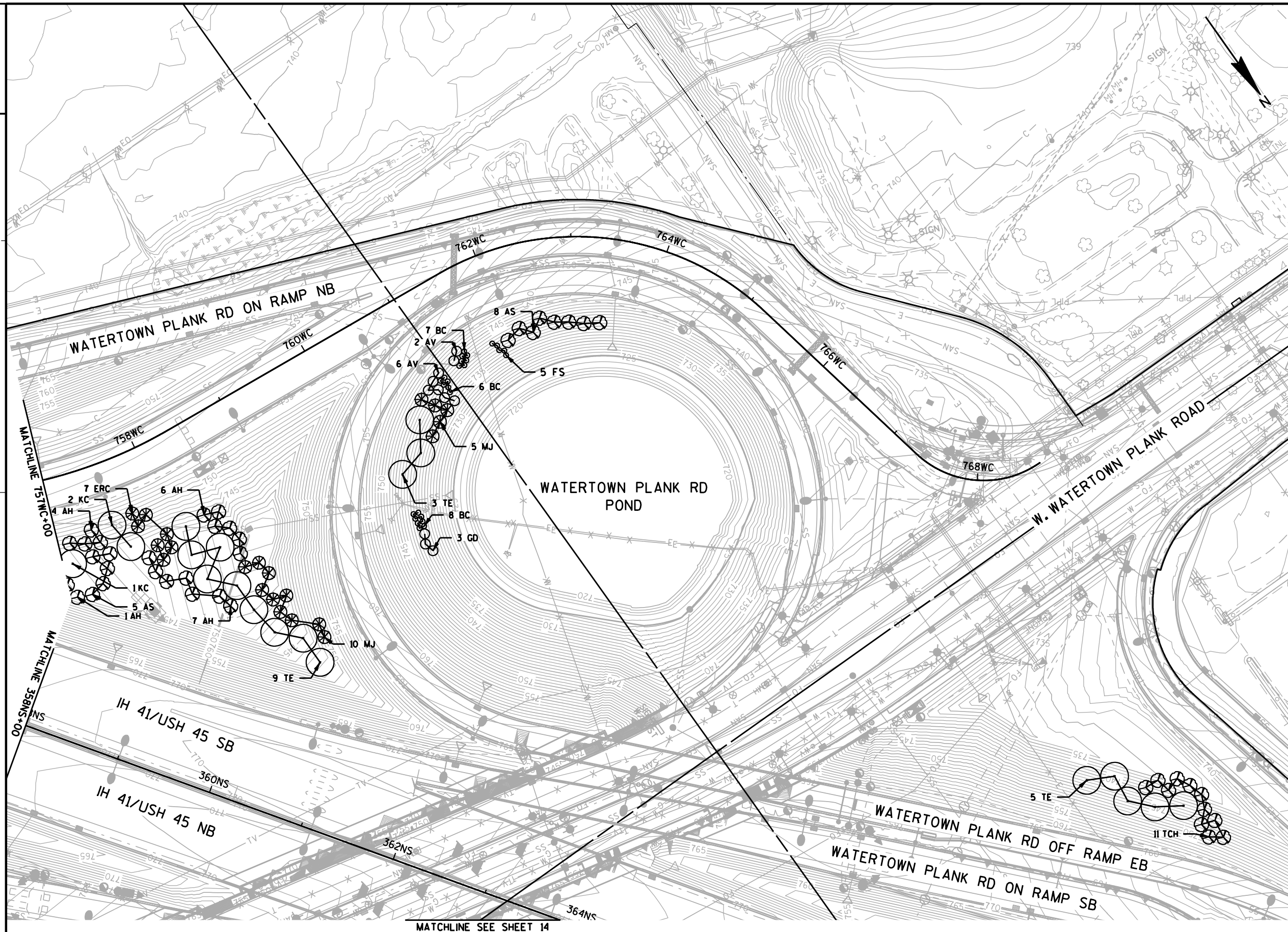
HWY: VAR HWY

COUNTY:MILWAUKEE

STREETSCAPING PLANS

SHEET

E



PLANT KEY

SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	TE	ELM, TRIUMPH
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	TH	HONEYLOCUST, THORNLESS 'IMPERIAL'
	SM	MAPLE, SUGAR CRESCENDO
	BO	OAK, BUR
	SWO	OAK, SWAMP WHITE
	LPT	TREE, EXCLAMATION LONDON PLANE

DECIDUOUS TREES (ORNAMENTAL)

RC	CRABAPPLE ROBINSON
PFC	CRABAPPLE, PRAIRIFIRE
PD	DOGWOOD, PAGODA
TCH	HAWTHORN, COCKSPUR THORNLESS
AH	AM. HOPHORNBEAM
WC	WITCHHAZEL, COMMON
AS	SERVICEBERRY, APPLE
RPS	SMOKEBUSH, ROYAL PURPLE

EVERGREEN

ERC	REDCEDAR, EASTERN
IJ	JUNIPER, IOWA
MJ	JUNIPER, MOUNTBATTEN
WS	SPRUCE, WHITE

SHRUBS

BC	CHOKEBERRY, BLACK
GD	DOGWOOD, GRAY
SR	ROSE, SUNNY KNOCK OUT
TS	SPIREA, TOR BIRCHLEAF
FS	SUMAC, FRAGRANT
SS	SUMAC, SMOOTH
AV	VIBURNUM, ARROWWOOD
CV	VIBURNUM, COMPACT CRANBERRY

VINES

BI	IVY, BOSTON
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PERENNIALS & GRASSES

SDD	DAYLILY, STELLA de ORO DWARF
WLC	CATMINT, WALKERS LOW
PC	CONEFLOWER, PURPLE
RS	SAGE, RUSSIAN
RG	GERANIUM, ROZANNE
KFG	GRASS, KARL FOERSTER
HMP	PANICUM, HEAVY METAL

LEGEND

▲	RETAINING WALL
—○—	FENCE
○	LIGHT POLE
■	PLUG LOCATION

NOTE:

1. ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES
2. MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART
3. IVY TO BE PLANTED 1'-0" MAX FROM NOISE BARRIER AND RETAINING WALL

SHEET 16 OF 25

PROJECT NO:1060-35-81

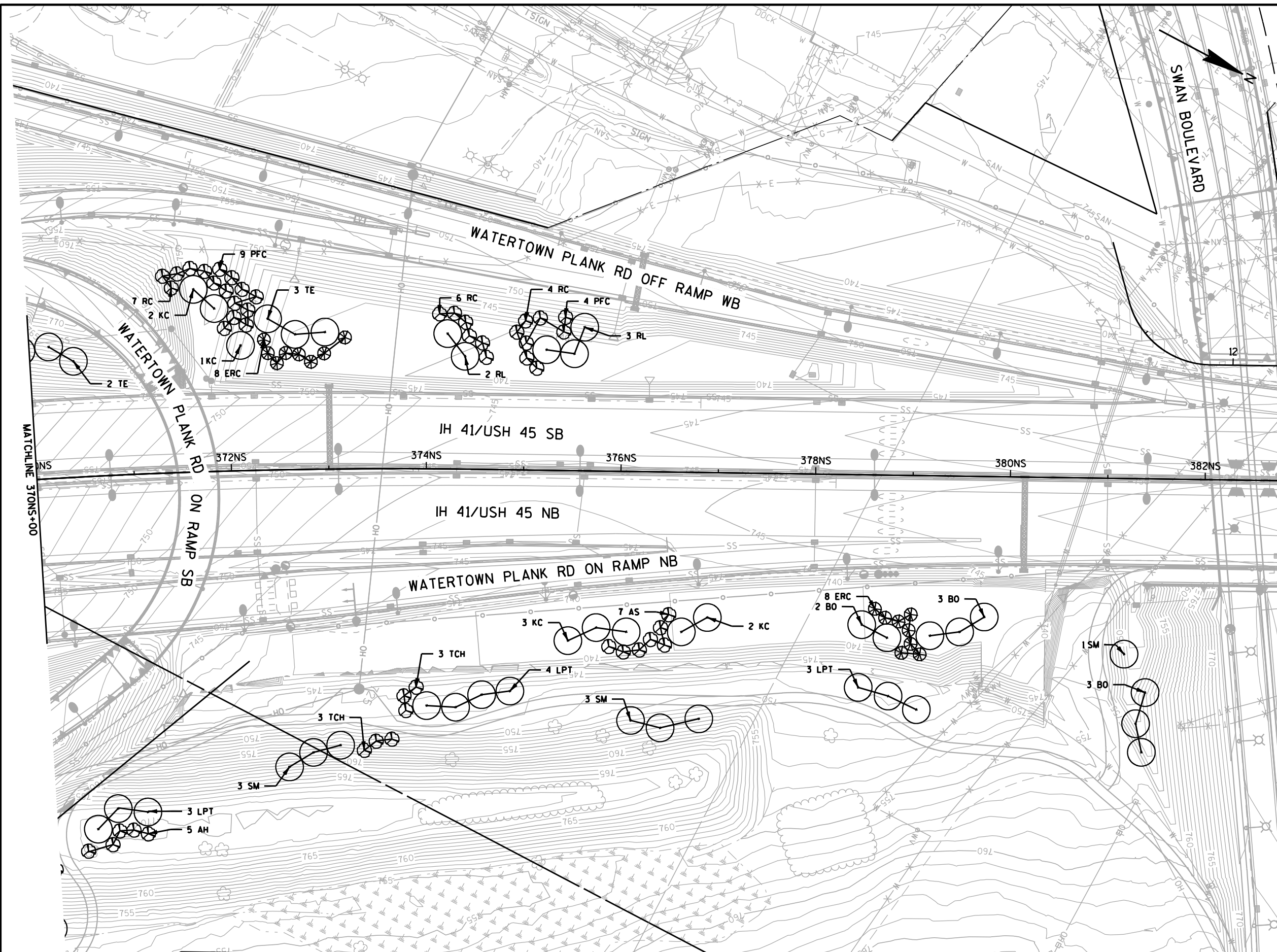
HWY: VAR HWY

COUNTY:MILWAUKEE

STREETSCAPING PLANS

SHEET

E



PLANT KEY

SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	TE	ELM, TRIUMPH
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	TH	HONEYLOCUST, THORNLESS 'IMPERIAL'
	SM	MAPLE, SUGAR CRESCENDO
	BO	OAK, BUR
	SWO	OAK, SWAMP WHITE
	LPT	TREE, EXCLAMATION LONDON PLANE

DECIDUOUS TREES (ORNAMENTAL)

	RC	CRABAPPLE ROBINSON
	PFC	CRABAPPLE, PRAIRIFIRE
	PD	DOGWOOD, PAGODA
	TCH	HAWTHORN, COCKSPUR THORNLESS
	AH	AM. HOPHORNBEAM
	WC	WITCHHAZEL, COMMON
	AS	SERVICEBERRY, APPLE
	RPS	SMOKEBUSH, ROYAL PURPLE

EVERGREEN

	ERC	REDCEDAR, EASTERN
	IJ	JUNIPER, IOWA
	MJ	JUNIPER, MOUNTBATTEN
	WS	SPRUCE, WHITE

SHRUBS

	BC	CHOKEBERRY, BLACK
	GD	DOGWOOD, GRAY
	SR	ROSE, SUNNY KNOCK OUT
	TS	SPIREA, TOR BIRCHLEAF
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
	CV	VIBURNUM, COMPACT CRANBERRY

VINES

	BI	IVY, BOSTON
--	----	-------------

PERENNIALS & GRASSES

	SDD	DAYLILY, STELLA de ORO DWARF
	WLC	CATMINT, WALKERS LOW
	PC	CONEFLOWER, PURPLE
	RS	SAGE, RUSSIAN
	RG	GERANIUM, ROZANNE
	KFG	GRASS, KARL FOERSTER
	HMP	PANICUM, HEAVY METAL

LEGEND

▲	RETAINING WALL
—○—	FENCE
○	LIGHT POLE
■	PLUG LOCATION

NOTE:

1. ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES
2. MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART
3. IVY TO BE PLANTED 1'-0" MAX FROM NOISE BARRIER AND RETAINING WALL

SHEET 17 OF 25

PROJECT NO:1060-35-81

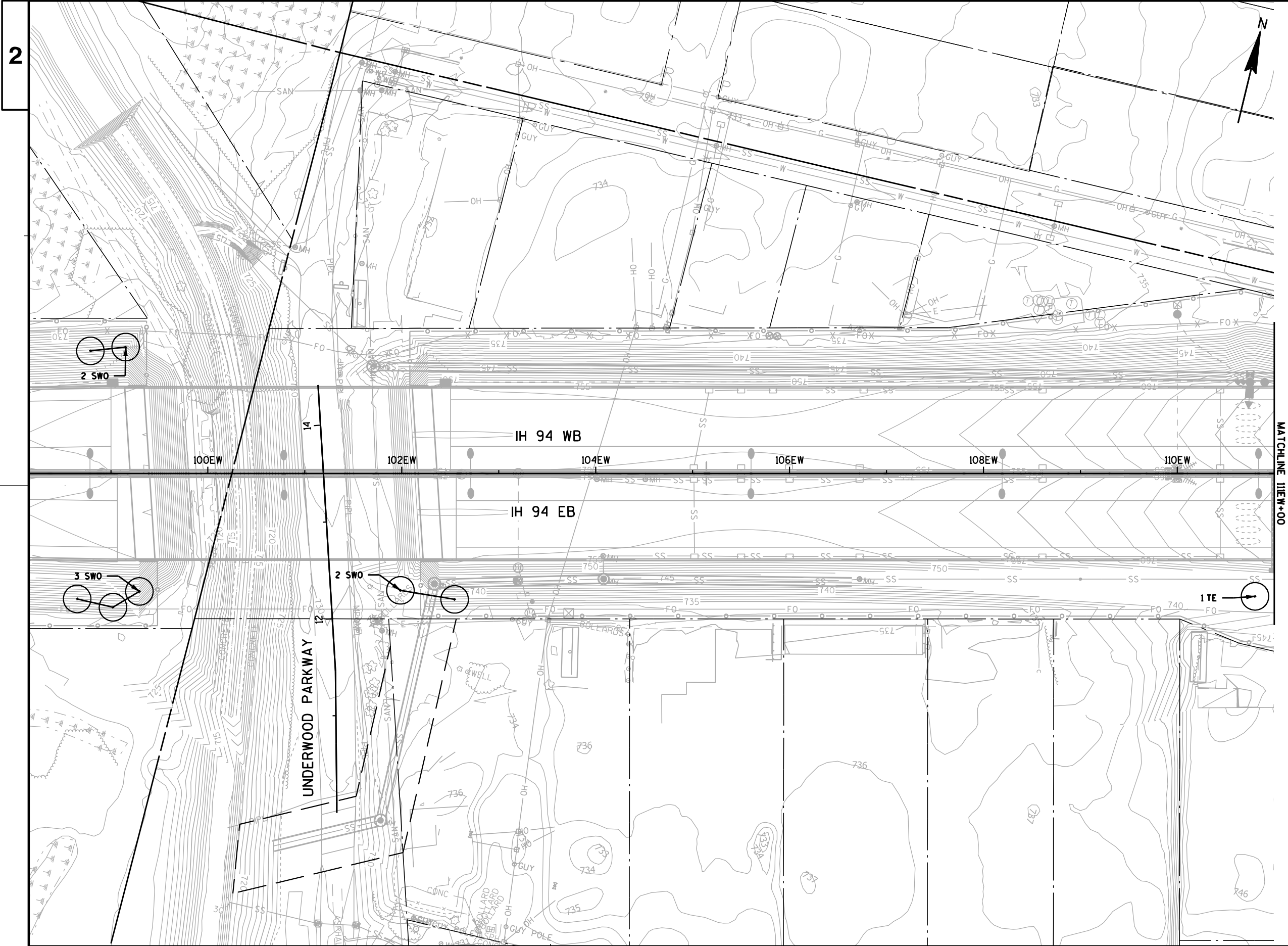
HWY: VAR HWY

COUNTY:MILWAUKEE

STREETSCAPING PLANS

SHEET

E



PLANT KEY

SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	TE	ELM, TRIUMPH
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	TH	HONEYLOCUST, THORNLESS 'IMPERIAL'
	SM	MAPLE, SUGAR CRESCENDO
	BO	OAK, BUR
	SWO	OAK, SWAMP WHITE
LPT	TREE, EXCLAMATION LONDON PLANE	
DECIDUOUS TREES (ORNAMENTAL)		
⬡	RC	CRABAPPLE ROBINSON
	PFC	CRABAPPLE, PRAIRIFIRE
	PD	DOGWOOD, PAGODA
	TCH	HAWTHORN, COCKSPUR THORNLESS
	AH	AM. HOPHORNBEAM
	WC	WITCHHAZEL, COMMON
	AS	SERVICEBERRY, APPLE
	RPS	SMOKEBUSH, ROYAL PURPLE
EVERGREEN		
⬢	ERC	REDCEDAR, EASTERN
	IJ	JUNIPER, IOWA
	MJ	JUNIPER, MOUNTBATTEN
	WS	SPRUCE, WHITE
SHRUBS		
○	BC	CHOKEBERRY, BLACK
	GD	DOGWOOD, GRAY
	SR	ROSE, SUNNY KNOCK OUT
	TS	SPIREA, TOR BIRCHLEAF
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
	CV	VIBURNUM, COMPACT CRANBERRY
VINES		
⬤	BI	IVY, BOSTON
PERENNIALS & GRASSES		
○	SDD	DAYLILY, STELLA de ORO DWARF
	WLC	CATMINT, WALKERS LOW
	PC	CONEFLOWER, PURPLE
	RS	SAGE, RUSSIAN
	RG	GERANIUM, ROZANNE
	KFG	GRASS, KARL FOERSTER
	HMP	PANICUM, HEAVY METAL
LEGEND		
▲ RETAINING WALL —○— FENCE ○—○ LIGHT POLE ■ PLUG LOCATION		
NOTE: 1. ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES 2. MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART 3. IVY TO BE PLANTED 1'-0" MAX FROM NOISE BARRIER AND RETAINING WALL		
SHEET 18 OF 25		

PROJECT NO:1060-35-81

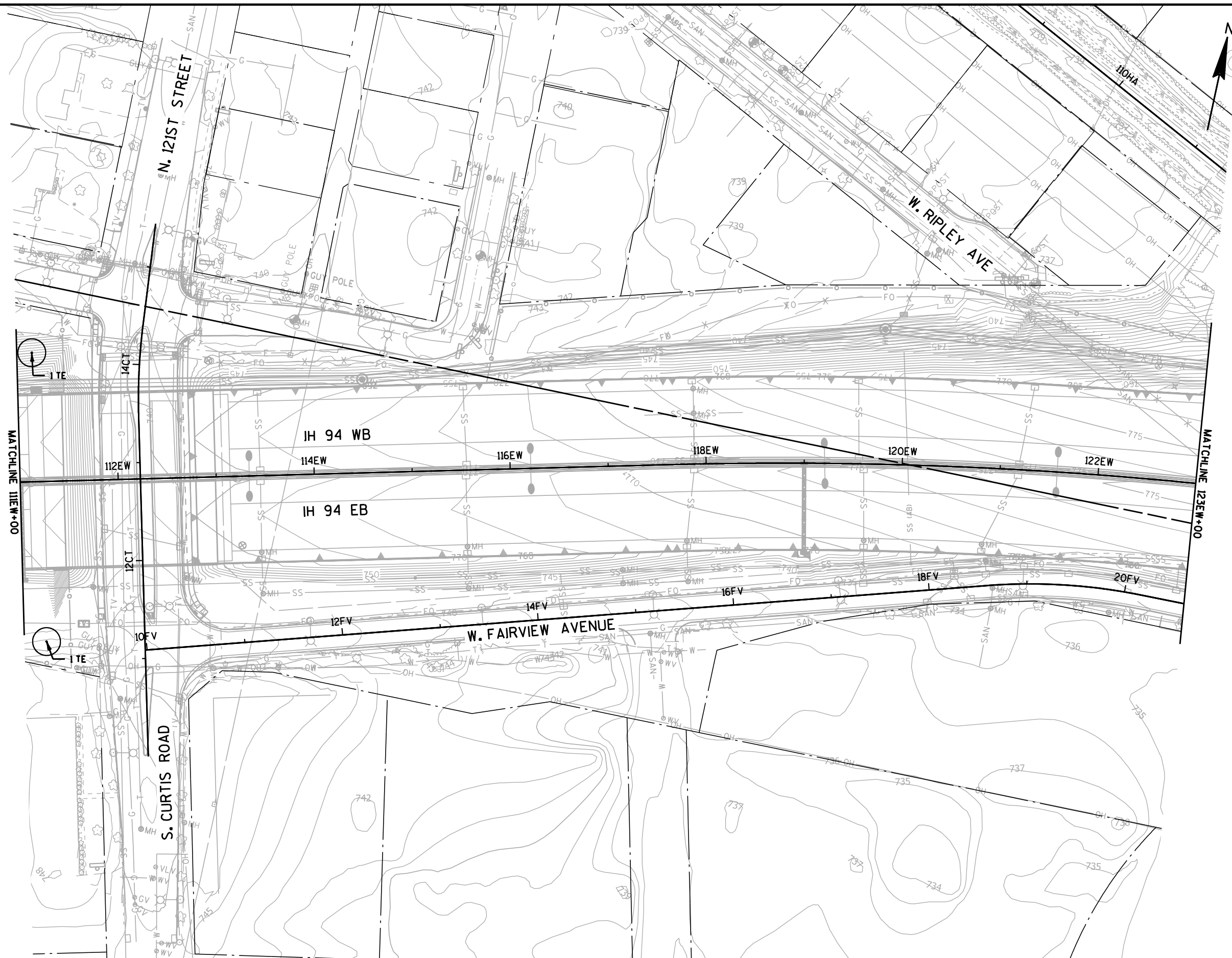
HWY: VAR HWY

COUNTY:MILWAUKEE

STREETSCAPING PLANS

SHEET

E



PLANT KEY

SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	TE	ELM, TRIUMPH
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	TH	HONEYLOCUST, THORNLESS 'IMPERIAL'
	SM	MAPLE, SUGAR CRESCENDO
	BO	OAK, BUR
	SWO	OAK, SWAMP WHITE
	LPT	TREE, EXCLAMATION LONDON PLANE

DECIDUOUS TREES (ORNAMENTAL)

	RC	CRABAPPLE ROBINSON
	PFC	CRABAPPLE, PRAIRIFIRE
	PD	DOGWOOD, PAGODA
	TCH	HAWTHORN, COCKSPUR THORNLESS
	AH	AM. HOPHORNBEAM
	WC	WITCHHAZEL, COMMON
	AS	SERVICEBERRY, APPLE
	RPS	SMOKEBUSH, ROYAL PURPLE

EVERGREEN

	ERC	REDCEDAR, EASTERN
	IJ	JUNIPER, IOWA
	MJ	JUNIPER, MOUNTBATTEN
	WS	SPRUCE, WHITE

SHRUBS

	BC	CHOKEBERRY, BLACK
	GD	DOGWOOD, GRAY
	SR	ROSE, SUNNY KNOCK OUT
	TS	SPIREA, TOR BIRCHLEAF
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
	CV	VIBURNUM, COMPACT CRANBERRY

VINES

	BI	IVY, BOSTON
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PERENNIALS & GRASSES

	SDD	DAYLILY, STELLA de ORO DWARF
	WLC	CATMINT, WALKERS LOW
	PC	CONEFLOWER, PURPLE
	RS	SAGE, RUSSIAN
	RG	GERANIUM, ROZANNE
	KFG	GRASS, KARL FOERSTER
	HMP	PANICUM, HEAVY METAL

LEGEND

	RETAINING WALL
	FENCE
	LIGHT POLE
	PLUG LOCATION

NOTE:

1. ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES
2. MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART
3. IVY TO BE PLANTED 1'-0" MAX FROM NOISE BARRIER AND RETAINING WALL

SHEET 19 OF 25

PROJECT NO:1060-35-81

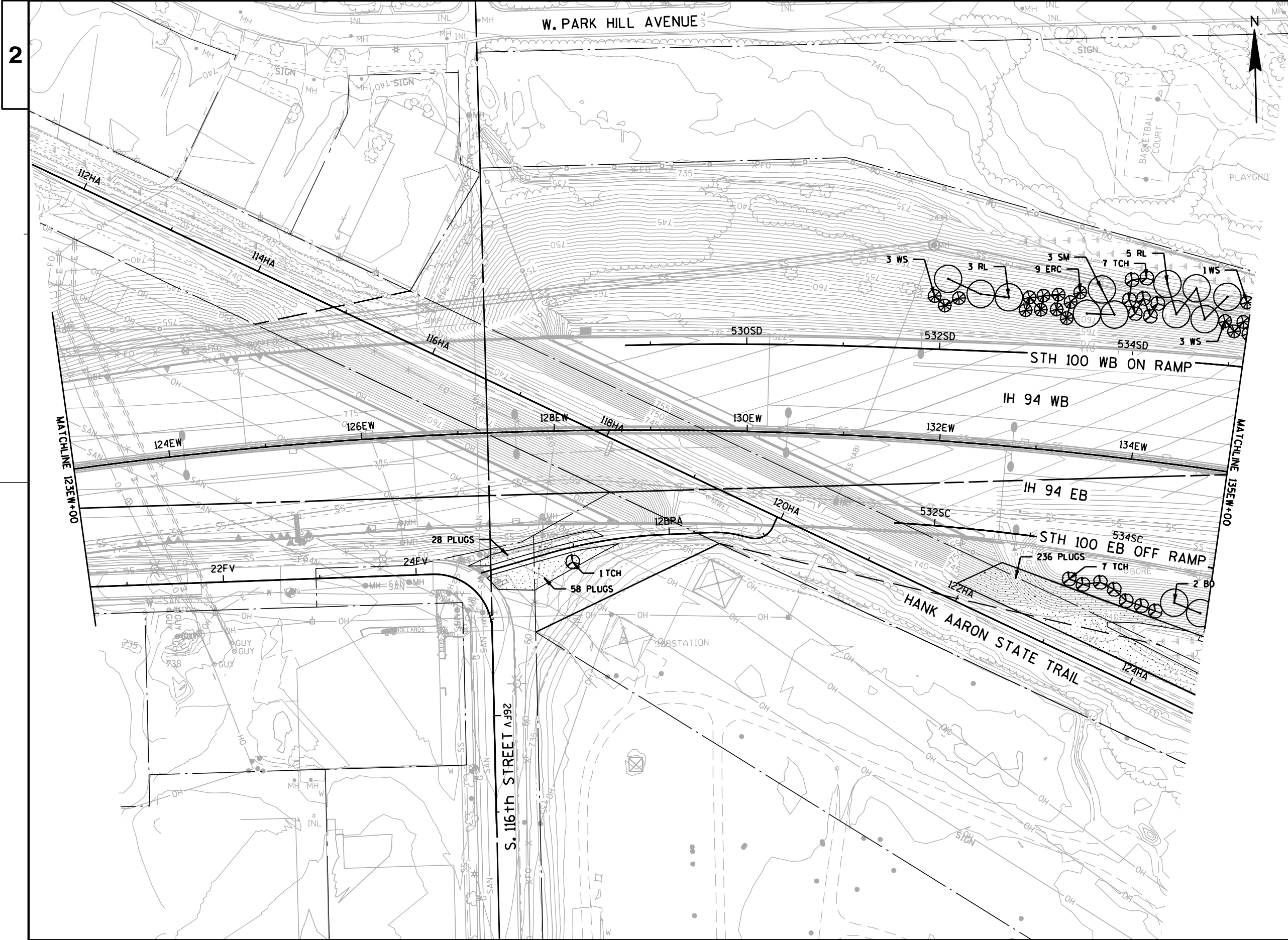
HWY: VAR HWY

COUNTY:MILWAUKEE

STREETSCAPING PLANS

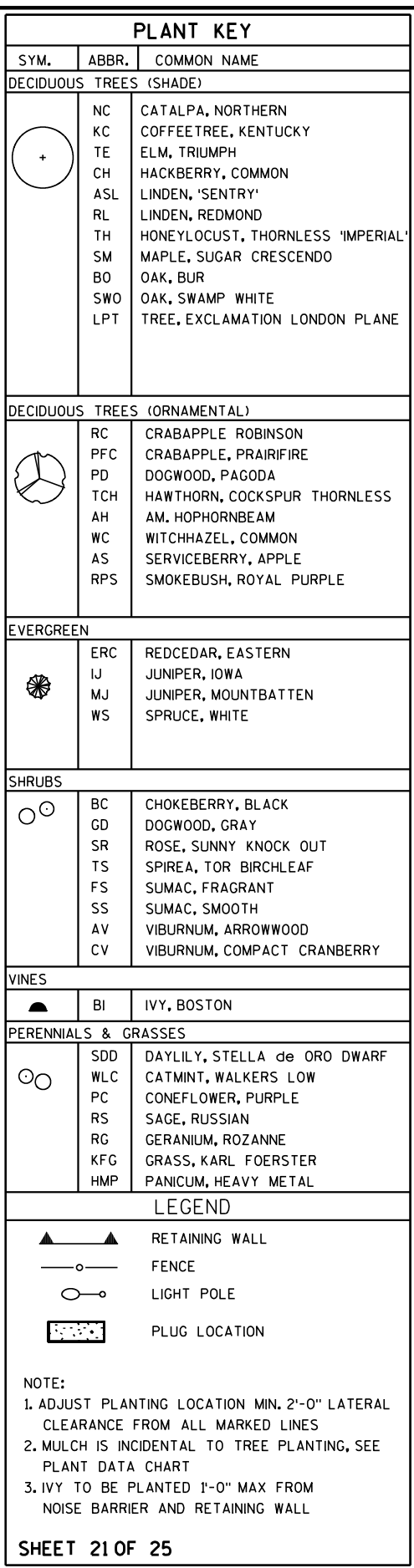
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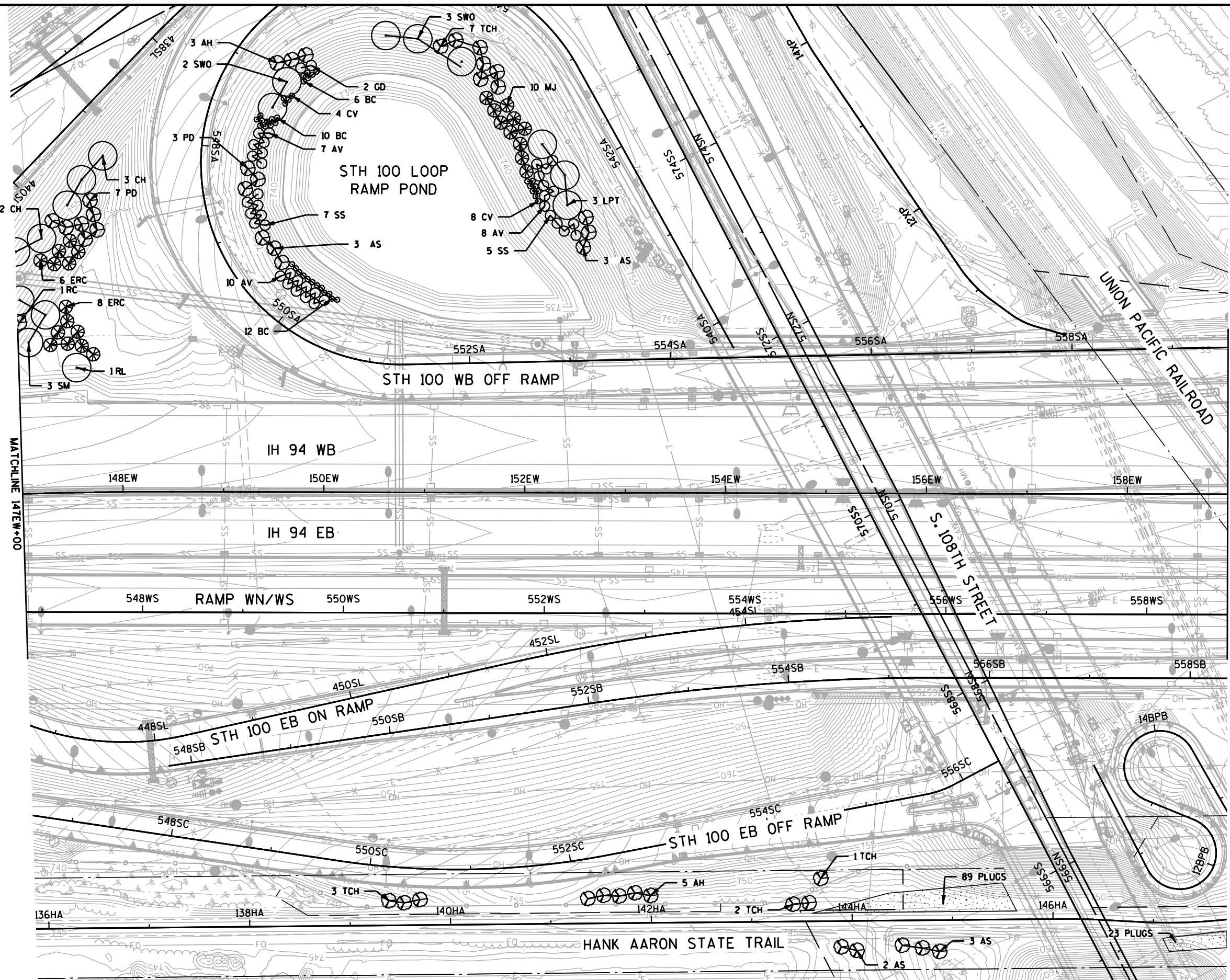
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PLANT KEY

SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	TE	ELM, TRIUMPH
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	TH	HONEYLOCUST, THORNLESS 'IMPERIAL'
	SM	MAPLE, SUGAR CRESCENDO
	BO	OAK, BUR
	SWO	OAK, SWAMP WHITE
LPT	TREE, EXCLAMATION LONDON PLANE	
DECIDUOUS TREES (ORNAMENTAL)		
	RC	CRABAPPLE ROBINSON
	PFC	CRABAPPLE, PRAIRIFIRE
	PD	DOGWOOD, PAGODA
	TCH	HAWTHORN, COCKSPUR THORNLESS
	AH	AM. HOPHORNBEAM
	WC	WITCHHAZEL, COMMON
	AS	SERVICEBERRY, APPLE
	RPS	SMOKEBUSH, ROYAL PURPLE
EVERGREEN		
	ERC	REDCEDAR, EASTERN
	IJ	JUNIPER, IOWA
	MJ	JUNIPER, MOUNTBATTEN
	WS	SPRUCE, WHITE
SHRUBS		
	BC	CHOKEBERRY, BLACK
	GD	DOGWOOD, GRAY
	SR	ROSE, SUNNY KNOCK OUT
	TS	SPIREA, TOR BIRCHLEAF
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
	CV	VIBURNUM, COMPACT CRANBERRY
VINES		
	BI	IVY, BOSTON
PERENNIALS & GRASSES		
	SDD	DAYLILY, STELLA de ORO DWARF
	WLC	CATMINT, WALKERS LOW
	PC	CONEFLOWER, PURPLE
	RS	SAGE, RUSSIAN
	RG	GERANIUM, ROZANNE
	KFG	GRASS, KARL FOERSTER
	HMP	PANICUM, HEAVY METAL
LEGEND		
RETAINING WALL		
FENCE		
LIGHT POLE		
PLUG LOCATION		
NOTE: 1. ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES 2. MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART 3. IVY TO BE PLANTED 1'-0" MAX FROM NOISE BARRIER AND RETAINING WALL		
SHEET 20 OF 25		





PLANT KEY

SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	TE	ELM, TRIUMPH
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	TH	HONEYLOCUST, THORNLESS 'IMPERIAL'
	SM	MAPLE, SUGAR CRESCENDO
	BO	OAK, BUR
	SWO	OAK, SWAMP WHITE
	LPT	TREE, EXCLAMATION LONDON PLANE

DECIDUOUS TREES (ORNAMENTAL)

	RC	CRABAPPLE ROBINSON
	PFC	CRABAPPLE, PRAIRIFIRE
	PD	DOGWOOD, PAGODA
	TCH	HAWTHORN, COCKSPUR THORNLESS
	AH	AM. HOPHORNBEAM
	WC	WITCHHAZEL, COMMON
	AS	SERVICEBERRY, APPLE
	RPS	SMOKEBUSH, ROYAL PURPLE

EVERGREEN

	ERC	REDCEDAR, EASTERN
	IJ	JUNIPER, IOWA
	MJ	JUNIPER, MOUNTBATTEN
	WS	SPRUCE, WHITE

SHRUBS

	BC	CHOKEBERRY, BLACK
	GD	DOGWOOD, GRAY
	SR	ROSE, SUNNY KNOCK OUT
	TS	SPIREA, TOR BIRCHLEAF
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
	CV	VIBURNUM, COMPACT CRANBERRY

VINES

	BI	IVY, BOSTON
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PERENNIALS & GRASSES

	SDD	DAYLILY, STELLA de ORO DWARF
	WLC	CATMINT, WALKERS LOW
	PC	CONEFLOWER, PURPLE
	RS	SAGE, RUSSIAN
	RG	GERANIUM, ROZANNE
	KFG	GRASS, KARL FOERSTER
	HMP	PANICUM, HEAVY METAL

LEGEND

▲	RETAINING WALL
—○—	FENCE
○	LIGHT POLE
■	PLUG LOCATION

NOTE:

1. ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES
2. MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART
3. IVY TO BE PLANTED 1'-0" MAX FROM NOISE BARRIER AND RETAINING WALL

SHEET 22 OF 25

PROJECT NO:1060-35-81

HWY: VAR HWY

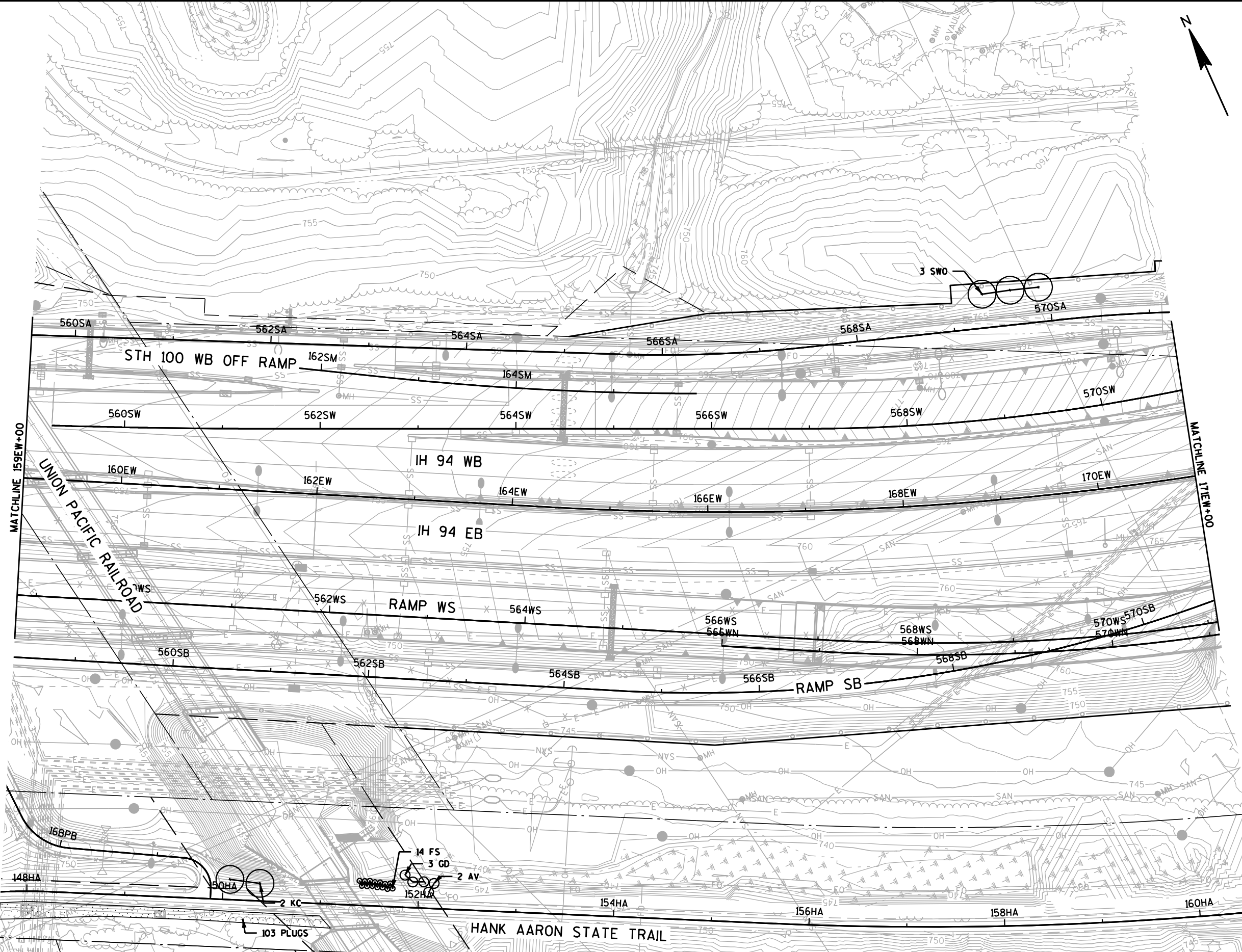
COUNTY:MILWAUKEE

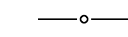
STREETSCAPING PLANS

SHEET

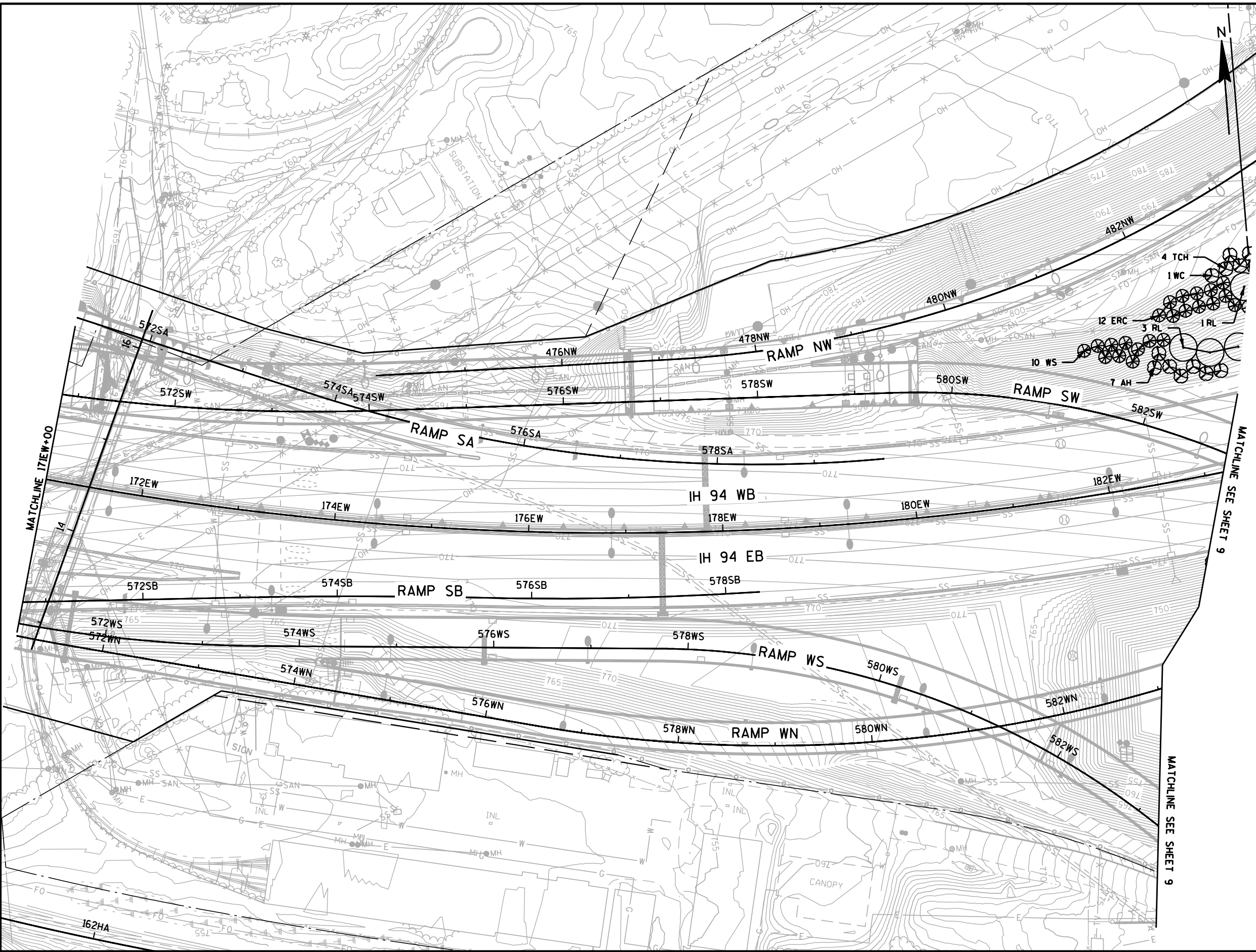
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2



PLANT KEY		
SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	TE	ELM, TRIUMPH
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	TH	HONEYLOCUST, THORNLESS 'IMPERIAL'
	SM	MAPLE, SUGAR CRESCENDO
	BO	OAK, BUR
	SWO	OAK, SWAMP WHITE
LPT	TREE, EXCLAMATION LONDON PLANE	
DECIDUOUS TREES (ORNAMENTAL)		
	RC	CRABAPPLE ROBINSON
	PFC	CRABAPPLE, PRAIRIFIRE
	PD	DOGWOOD, PAGODA
	TCH	HAWTHORN, COCKSPUR THORNLESS
	AH	AM. HOPHORNBEAM
	WC	WITCHHAZEL, COMMON
	AS	SERVICEBERRY, APPLE
	RPS	SMOKEBUSH, ROYAL PURPLE
EVERGREEN		
	ERC	REDCEDAR, EASTERN
	IJ	JUNIPER, IOWA
	MJ	JUNIPER, MOUNTBATTEN
	WS	SPRUCE, WHITE
SHRUBS		
	BC	CHOKEBERRY, BLACK
	GD	DOGWOOD, GRAY
	SR	ROSE, SUNNY KNOCK OUT
	TS	SPIREA, TOR BIRCHLEAF
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
	CV	VIBURNUM, COMPACT CRANBERRY
VINES		
	BI	IVY, BOSTON
PERENNIALS & GRASSES		
	SDD	DAYLILY, STELLA de ORO DWARF
	WLC	CATMINT, WALKERS LOW
	PC	CONEFLOWER, PURPLE
	RS	SAGE, RUSSIAN
	RG	GERANIUM, ROZANNE
	KFG	GRASS, KARL FOERSTER
	HMP	PANICUM, HEAVY METAL
LEGEND		
		RETAINING WALL
		FENCE
		LIGHT POLE
		PLUG LOCATION
NOTE:		
1. ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES		
2. MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART		
3. IVY TO BE PLANTED 1'-0" MAX FROM NOISE BARRIER AND RETAINING WALL		
SHEET 23 OF 25		

2



PLANT KEY		
SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	TE	ELM, TRIUMPH
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	TH	HONEYLOCUST, THORNLESS 'IMPERIAL'
	SM	MAPLE, SUGAR CRESCENDO
	BO	OAK, BUR
	SWO	OAK, SWAMP WHITE
	LPT	TREE, EXCLAMATION LONDON PLANE

DECIDUOUS TREES (ORNAMENTAL)		
	RC	CRABAPPLE ROBINSON
	PFC	CRABAPPLE, PRAIRIFIRE
	PD	DOGWOOD, PAGODA
	TCH	HAWTHORN, COCKSPUR THORNLESS
	AH	AM. HOPHORNBEAM
	WC	WITCHHAZEL, COMMON
	AS	SERVICEBERRY, APPLE
	RPS	SMOKEBUSH, ROYAL PURPLE

EVERGREEN		
	ERC	REDCEDAR, EASTERN
	IJ	JUNIPER, IOWA
	MJ	JUNIPER, MOUNTBATTEN
	WS	SPRUCE, WHITE

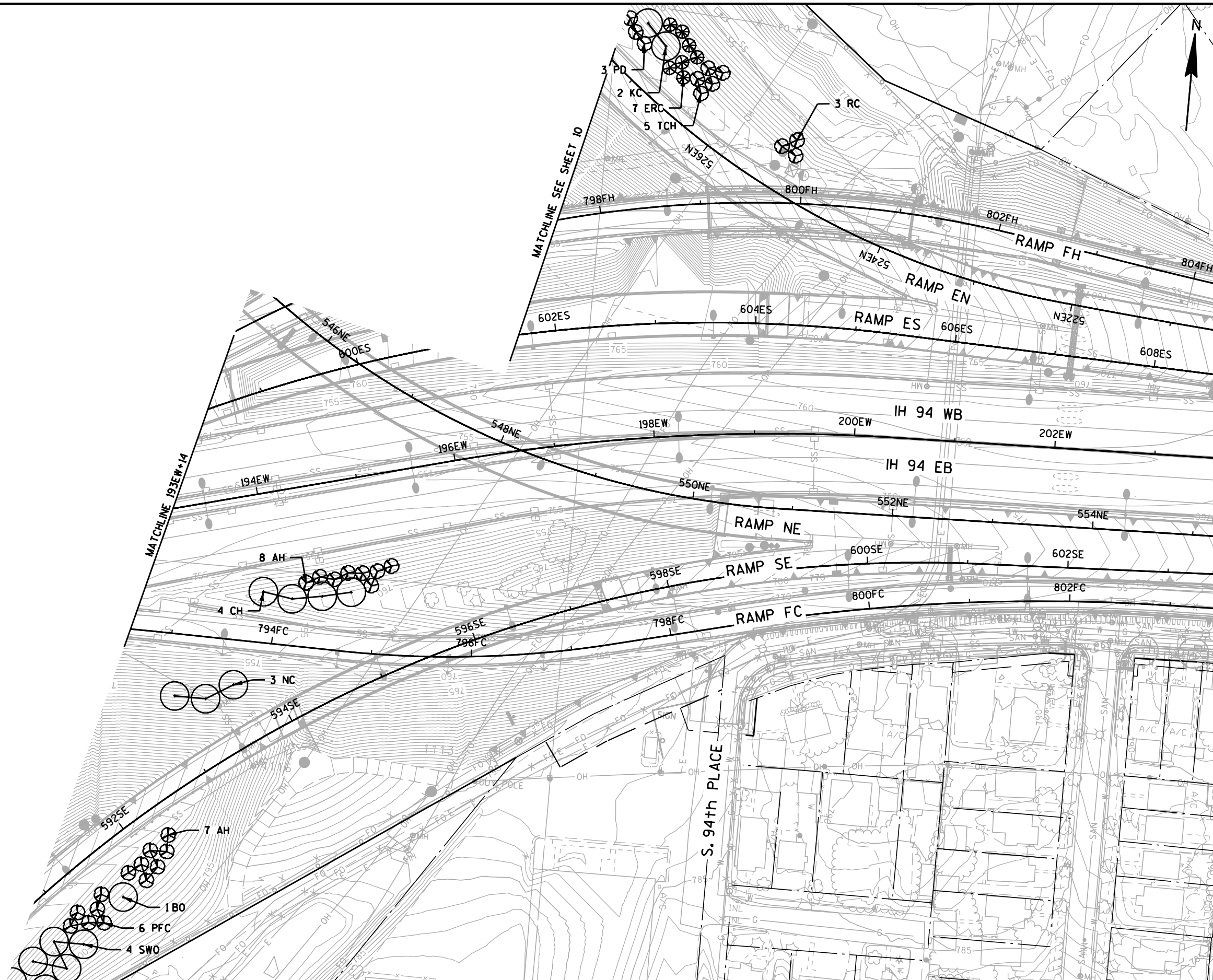
SHRUBS		
	BC	CHOKEBERRY, BLACK
	GD	DOGWOOD, GRAY
	SR	ROSE, SUNNY KNOCK OUT
	TS	SPIREA, TOR BIRCHLEAF
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
	CV	VIBURNUM, COMPACT CRANBERRY

VINES		
	BI	IVY, BOSTON

PERENNIALS & GRASSES		
	SDD	DAYLILY, STELLA de ORO DWARF
	WLC	CATMINT, WALKERS LOW
	PC	CONEFLOWER, PURPLE
	RS	SAGE, RUSSIAN
	RG	GERANIUM, ROZANNE
	KFG	GRASS, KARL FOERSTER
	HMP	PANICUM, HEAVY METAL

LEGEND	
	RETAINING WALL
	FENCE
	LIGHT POLE
	PLUG LOCATION
NOTE:	
1. ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES	
2. MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART	
3. IVY TO BE PLANTED 1'-0" MAX FROM NOISE BARRIER AND RETAINING WALL	

SHEET 24 OF 25



PLANT KEY

SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	TE	ELM, TRIUMPH
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	TH	HONEYLOCUST, THORNLESS 'IMPERIAL'
	SM	MAPLE, SUGAR CRESCENDO
	BO	OAK, BUR
	SWO	OAK, SWAMP WHITE
	LPT	TREE, EXCLAMATION LONDON PLANE

DECIDUOUS TREES (ORNAMENTAL)

	RC	CRABAPPLE ROBINSON
	PFC	CRABAPPLE, PRAIRIFIRE
	PD	DOGWOOD, PAGODA
	TCH	HAWTHORN, COCKSPUR THORNLESS
	AH	AM. HOPHORNBEAM
	WC	WITCHHAZEL, COMMON
	AS	SERVICEBERRY, APPLE
	RPS	SMOKEBUSH, ROYAL PURPLE

EVERGREEN

	ERC	REDCEDAR, EASTERN
	IJ	JUNIPER, IOWA
	MJ	JUNIPER, MOUNTBATTEN
	WS	SPRUCE, WHITE

SHRUBS

	BC	CHOKEBERRY, BLACK
	GD	DOGWOOD, GRAY
	SR	ROSE, SUNNY KNOCK OUT
	TS	SPIREA, TOR BIRCHLEAF
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
	CV	VIBURNUM, COMPACT CRANBERRY

VINES

	BI	IVY, BOSTON
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PERENNIALS & GRASSES

	SDD	DAYLILY, STELLA de ORO DWARF
	WLC	CATMINT, WALKERS LOW
	PC	CONEFLOWER, PURPLE
	RS	SAGE, RUSSIAN
	RG	GERANIUM, ROZANNE
	KFG	GRASS, KARL FOERSTER
	HMP	PANICUM, HEAVY METAL

LEGEND

▲	RETAINING WALL
—○—	FENCE
○	LIGHT POLE
■	PLUG LOCATION

NOTE:

1. ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES
2. MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART
3. IVY TO BE PLANTED 1'-0" MAX FROM NOISE BARRIER AND RETAINING WALL

SHEET 25 OF 25

PROJECT NO:1060-35-81

HWY: VAR HWY

COUNTY:MILWAUKEE

STREETSCAPING PLANS

SHEET

E

SYM.	COMMON NAME	SCIENTIFIC NAME	TYPE	AVG. MATURE HEIGHT	SIZE WHEN PLANTED	ROOT ZONE MODE	MINIMUM BALL OR		MINIMUM HOLE		BRACE OR GUY	FERT. UNITS REQ'D	RODENT PROT'CT REQ'D	MULCH RING DIAM.
							POT SIZE		SIZE					
							DIAM.	DEPTH	DIAM.	DEPTH				
LARGE DECIDUOUS TREES														
NC	Catalpa, Northern	Catalpa speciosa	1T	50'	2" CAL	B&B	24"	14"	48"	14"	GUY	4	NO	60"
KC	Coffeetree, Kentucky	Gymnocladus dioica	1T	50'	2" CAL	B&B	24"	14"	48"	14"	GUY	4	NO	60"
TE	Elm, Triumph	Ulmus 'Morton Glossy'	1T	50'	1 1/2" CAL	B&B	20"	12"	44"	12"	GUY	4	NO	56"
CH	Hackberry, Common	Celtis occidentails	1T	50'	2" CAL	B&B	24"	14"	48"	14"	GUY	4	NO	60"
ASL	Linden, 'Sentry'	Tilia americana 'Sentry'	1T	40'	1 1/2" CAL	B&B	20"	12"	44"	12"	GUY	4	YES	56"
RL	Linden, Redmond	Tilia americana 'Redmond'	1T	60'	1 1/2" CAL	B&B	20"	12"	44"	12"	GUY	4	YES	56"
TH	Honeylocust, thornless 'Imperial'	Gleditsia tricanthos inermis 'Imperial'	1T	60'	2" CAL	B&B	24"	14"	48"	14"	GUY	4	NO	60"
SM	Maple, Sugar Crescendo	Acer saccharum 'Crescendo'	1T	45'	2" CAL	B&B	24"	14"	48"	14"	GUY	4	NO	60"
BO	Oak, Bur	Quercus macrocarpa	1T	65'	2" CAL	B&B	24"	14"	48"	14"	GUY	4	NO	60"
SWO	Oak, Swamp White	Quercus bicolor	1T	65'	2" CAL	B&B	24"	14"	48"	14"	GUY	4	NO	60"
LPT	Tree, Exclamation London Plane	Platanus acerifolia 'Morton Circle'	1T	50'	1 1/2" CAL	B&B	20"	12"	44"	12"	GUY	4	NO	56"

SMALL DECIDUOUS TREES														
RC	Crabapple Robinson	Malus 'Robinson'	3T	20'	1 1/2" CAL	B&B	20"	12"	44"	12"	BRACE	3	YES	56"
PFC	Crabapple, Prairifire	Malus 'Prairifire'	3T	20'	1 1/2" CAL	B&B	20"	12"	44"	12"	BRACE	3	YES	56"
PD	Dogwood, Pagoda	Cornus alternifolia	4T	12'	60" HT	B&B	16"	10"	40"	10"	BRACE	3	YES	52"
TCH	Hawthorn, Cockspur Thornless	Crataegus crusgalli var. inermis	3T	12'	60" HT	B&B	16"	10"	40"	10"	BRACE	3	NO	52"
AH	Am. Hophornbeam	Ostrya virginiana	2T	25'	1 1/2" CAL	B&B	20"	12"	44"	12"	BRACE	3	NO	56"
WC	Witchhazel, common	Hamamelis virginiana	4T	12'	60" HT	B&B	16"	10"	40"	10"	BRACE	3	NO	52"
AS	Serviceberry, Apple	Amelanchier x grandiflora	3T	25'	60" HT	B&B	16"	10"	40"	10"	BRACE	3	NO	52"
RPS	Smokebush, Royal Purple	Cotinus coggygria 'Royal Purple'	4T	8'	18" HT	CG	9"	6"	33"	6"	n/a	1	NO	BED LIMITS

EVERGREEN														
ERC	Redcedar, Eastern	Juniperus virginiana	4E	35'	60" HT	B&B	20"	12"	44"	12"	BRACE	3	NO	56"
IJ	Juniper, Iowa	Juniperus chinensis 'Iowa'	5E	10'	48" HT	B&B	10"	6.5"	34"	6.5"	BRACE	3	NO	46"
MJ	Juniper, Mountbatten	Juniperus chinensis 'Mountbatten'	5E	15'	48" HT	B&B	20"	12"	44"	12"	BRACE	3	NO	56"
WS	Spruce, White	Picea glauca	4E	45'	60" HT	B&B	20"	12"	44"	12"	BRACE	3	NO	56"

SHRUBS														
BC	Chokeberry, Black	Aronia melanocarpa	3S	4'	18" HT	CG	9"	6"	33"	6"	n/a	1	NO	45"
GD	Dogwood, Gray	Cornus racemosa	2S	15'	18" HT	CG	9"	6"	33"	6"	n/a	1	NO	45"
SR	Rose, Sunny Knock Out	Rosa 'RADsunny' PP18,562	0S	4'	12" HT	CG	8"	5"	32"	5"	n/a	1	NO	45"
TS	Spirea, Tor birchleaf	Spirea betulifolia 'Tor'	2S	3'	18" HT	CG	9"	6"	33"	6"	n/a	1	NO	45"
FS	Sumac, Fragrant	Rhus aromatica	3S	4'	18" HT	CG	9"	6"	33"	6"	n/a	1	NO	45"
SS	Sumac, Smooth	Rhus glabra	3S	12'	18" HT	CG	9"	6"	33"	6"	n/a	1	NO	45"
AV	Viburnum, Arrowwood	Viburnum dentatum 'Christom'	3S	6'	18" HT	CG	9"	6"	33"	6"	n/a	1	NO	45"
CV	Viburnum, Compact Cranberry	Viburnum trilobum 'Compactum'	3S	6'	18" HT	CG	9"	6"	33"	6"	n/a	1	NO	45"

VINES														
BI	Ivy, Boston	Parthenocissus tricuspidata	4V	30'	1 GAL	CG	9"	7"	33"	7"	n/a	1	YES	24"

PERENNIALS & GRASSES														
SDD	Daylily, Stella de Oro Dwarf	Hemerocallis x 'Stella de Oro'	N/A	1.5'	1 GAL	CG	9"	7"	33"	7"	n/a	1	NO	BED LIMITS
WLC	Catmint, Walkers Low	Nepeta x faassenii 'Walkers Low"	N/A	2'	1 GAL	CG	9"	7"	33"	7"	n/a	1	NO	BED LIMITS
PC	Coneflower, Purple	Echinacea purpurea 'Magnus'	N/A	3'	1 GAL	CG	9"	7"	33"	7"	n/a	1	NO	BED LIMITS
RS	Sage, Russian	Perovskia atriplicifolia	N/A	4'	1 GAL	CG	9"	7"	33"	7"	n/a	1	NO	BED LIMITS
RG	Geranium, Rozanne	Geranium x 'Rozanne' PP12,175	N/A	1.3'	1 GAL	CG	9"	7"	33"	7"	n/a	1	NO	BED LIMITS
KFG	Grass, Karl Foerster	Calmagrostis acutiflora 'Karl Foerster'	N/A	4'	1 GAL	CG	9"	7"	33"	7"	n/a	1	NO	BED LIMITS
HMP	Panicum, Heavy Metal	Panicum virgatum 'Heavy Metal'	N/A	3'	1 GAL	CG	9"	7"	33"	7"	n/a	1	NO	BED LIMITS

Estimate Of Quantities

1060-35-81

Line	Item	Item Description	Unit	Total	Qty
0002	619.1000	Mobilization	EACH	1.000	1.000
0004	625.0105	Topsoil	CY	26.000	26.000
0006	632.0101	Trees (species) (size) (root) 0003. Catalpa, Northern B&B 2-Inch Cal	EACH	34.000	34.000
0008	632.0101	Trees (species) (size) (root) 0005. Coffeetree, Kentucky B&B 2-Inch Cal	EACH	32.000	32.000
0010	632.0101	Trees (species) (size) (root) 0007. Elm, Triumph B&B 1.5-Inch Cal	EACH	44.000	44.000
0012	632.0101	Trees (species) (size) (root) 0009. Hackberry, Common B&B 2-Inch Cal	EACH	31.000	31.000
0014	632.0101	Trees (species) (size) (root) 0011. Linden, 'Sentry' B&B 1.5-Inch Cal	EACH	14.000	14.000
0016	632.0101	Trees (species) (size) (root) 0013. Linden, Redmond B&B 1.5-Inch Cal	EACH	22.000	22.000
0018	632.0101	Trees (species) (size) (root) 0014. Honeylocust, Thornless 'Imperial' B&B 2-Inch Cal	EACH	17.000	17.000
0020	632.0101	Trees (species) (size) (root) 0015. Maple, Sugar Crescendo B&B 2-Inch Cal	EACH	19.000	19.000
0022	632.0101	Trees (species) (size) (root) 0017. Oak, Bur B&B 2-Inch Cal	EACH	37.000	37.000
0024	632.0101	Trees (species) (size) (root) 0021. Oak, Swamp White B&B 2-Inch Cal	EACH	40.000	40.000
0026	632.0101	Trees (species) (size) (root) 0023. Tree, Exclamation London Plane B&B 1.5-Inch Cal	EACH	49.000	49.000
0028	632.0101	Trees (species) (size) (root) 0027. Crabapple, Robinson B&B 1.5-Inch Cal	EACH	118.000	118.000
0030	632.0101	Trees (species) (size) (root) 0029. Crabapple, Prairifire B&B 1.5-Inch Cal	EACH	63.000	63.000
0032	632.0101	Trees (species) (size) (root) 0031. Dogwood, Pagoda B&B 5'	EACH	71.000	71.000
0034	632.0101	Trees (species) (size) (root) 0033. Hawthorn, Cockspur Thornless B&B 5'	EACH	160.000	160.000
0036	632.0101	Trees (species) (size) (root) 0035. Am. Hophornbeam B&B 1.5-Inch Cal	EACH	89.000	89.000
0038	632.0101	Trees (species) (size) (root) 0037. Witchhazel, Common B&B 5'	EACH	19.000	19.000
0040	632.0101	Trees (species) (size) (root) 0039. Serviceberry, Apple B&B 5'	EACH	78.000	78.000
0042	632.0101	Trees (species) (size) (root) 0041. Smokebush, Royal Purple CG 18" Ht	EACH	1.000	1.000
0044	632.0101	Trees (species) (size) (root) 0043. Redcedar, Eastern B&B 60" Ht	EACH	155.000	155.000
0046	632.0101	Trees (species) (size) (root) 0045. Juniper, Iowa B&B 48" Ht	EACH	41.000	41.000

Estimate Of Quantities

1060-35-81					
Line	Item	Item Description	Unit	Total	Qty
0048	632.0101	Trees (species) (size) (root) 0047. Juniper, Mountbatten B&B 48" Ht	EACH	88.000	88.000
0050	632.0101	Trees (species) (size) (root) 0053. Spruce, White B&B 60" Ht	EACH	107.000	107.000
0052	632.0201	Shrubs (species) (size) (root) 0055. Chokeberry, Black CG 18" Ht	EACH	76.000	76.000
0054	632.0201	Shrubs (species) (size) (root) 0057. Dogwood, Gray CG 18" Ht	EACH	34.000	34.000
0056	632.0201	Shrubs (species) (size) (root) 0059. Rose, Sunny Knock Out CG 12" Ht	EACH	11.000	11.000
0058	632.0201	Shrubs (species) (size) (root) 0061. Spirea, Tor Birchleaf CG 18" Ht	EACH	9.000	9.000
0060	632.0201	Shrubs (species) (size) (root) 0063. Sumac, Fragrant CG 18" Ht	EACH	42.000	42.000
0062	632.0201	Shrubs (species) (size) (root) 0065. Sumac, Smooth CG 18" Ht	EACH	14.000	14.000
0064	632.0201	Shrubs (species) (size) (root) 0067. Viburnum, Arrowwood CG 18" Ht	EACH	74.000	74.000
0066	632.0201	Shrubs (species) (size) (root) 0069. Viburnum, Compact Cranberry CG 18" Ht	EACH	31.000	31.000
0068	632.0301	Vines (species) (size) (root) 0001. Ivy, Boston CG 1 Gal	EACH	37.000	37.000
0070	632.9101	Landscape Planting Surveillance and Care Cycles	EACH	24.000	24.000
0072	643.0300	Traffic Control Drums	DAY	416.000	416.000
0074	643.0420	Traffic Control Barricades Type III	DAY	10.000	10.000
0076	643.0715	Traffic Control Warning Lights Type C	DAY	48.000	48.000
0078	643.0800	Traffic Control Arrow Boards	DAY	17.000	17.000
0080	643.0900	Traffic Control Signs	DAY	322.000	322.000
0082	643.5000	Traffic Control	EACH	1.000	1.000
0084	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	1,800.000	1,800.000
0086	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	2,400.000	2,400.000
0088	SPV.0060	Special 6000. Daylily, Stella de Oro Dwarf CG 1 Gal	EACH	42.000	42.000
0090	SPV.0060	Special 6001. Catmint, Walkers Low CG 1 Gal	EACH	12.000	12.000
0092	SPV.0060	Special 6002. Coneflower, Purple CG 1 Gal	EACH	15.000	15.000
0094	SPV.0060	Special 6004. Sage, Russian CG 1 Gal	EACH	9.000	9.000
0096	SPV.0060	Special 6005. Geranium, Rozanne CG 1 Gal	EACH	33.000	33.000
0098	SPV.0060	Special 6007. Grass, Karl Foerster CG 1 Gal	EACH	8.000	8.000
0100	SPV.0060	Special 6009.Panicum, Heavy Metal CG 1 Gal	EACH	10.000	10.000
0102	SPV.0060	Special 6010. Plug CG #2.5	EACH	1,399.000	1,399.000
0104	SPV.0060	Special 6011. Watering Bag	EACH	938.000	938.000
0106	SPV.0060	Special 6013. Shallow Marsh Rootstock	EACH	130.000	130.000
0108	SPV.0075	Special 0001. Pavement Cleanup Project 1060-35-81	HRS	20.000	20.000
0110	SPV.0165	Special 0001. Granite Boulders	SF	70.000	70.000

Estimate Of Quantities

1060-35-81					
0112	SPV.0180	Special 0001. Rootstock Protection	SY	500.000	500.000

			LANDSCAPE PLAN SHEET NUMBERS																									TOTALS	
			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		
BID ITEMS	SYM.	COMMON NAME	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
LARGE DECIDUOUS TREES																													
632.0101.0003	NC	Catalpa, Northern				3					13	5		3			7										3	34	
632.0101.0005	KC	Coffeetree, Kentucky									2	1				5	3	3	8				6		2	0	2	32	
632.0101.0007	TE	Elm, Triumph									8	5					3	17	5	1	2		3					44	
632.0101.0009	CH	Hackberry, Common								2	9	5		3			3							5			4	31	
632.0101.0011	ASL	Linden, 'Sentry'				3					6						5									0		14	
632.0101.0013	RL	Linden, Redmond												3					5			8	1	1		4		22	
632.0101.0014	TH	Honeylocust, thornless 'Imperial'								3	3	8					3	0										17	
632.0101.0015	SM	Maple, Sugar Crescendo									3			3					7			3		3				19	
632.0101.0017	BO	Oak, Bur				1	1				11	3					8		8			2	2				1	37	
632.0101.0021	SWO	Oak, Swamp White					2				5			2		4				7			8	5	3	0	4	40	
632.0101.0023	LPT	Tree, Exclamation London Plane									2	10					24		10					3				49	
SMALL DECIDUOUS TREES																													
632.0101.0027	RC	Crabapple Robinson				1	13	4			13	5		9			38	0	17				14	1			3	118	
632.0101.0029	PFC	Crabapple, Prairifire						3			14						10		13				17				6	63	
632.0101.0031	PD	Dogwood, Pagoda									17	13	6	6		5							11	10			3	71	
632.0101.0033	TCH	Hawthorn, Cockspur Thornless				9	3	5			27	11		13		0	22	11	6			15	16	13		4	5	160	
632.0101.0035	AH	Am. Hophornbeam									20					3	9	18	5				4	8		7	15	89	
632.0101.0037	WC	Witchhazel, common									11	4					3									1		19	
632.0101.0039	AS	Serviceberry, Apple									10	12					20	13	7				5	11				78	
632.0101.0041	RPS	Smokebush, Royal Purple													1													1	
EVERGREEN																													
632.0101.0043	ERC	Redcedar, Eastern									40	19					19	7	16			9	12	14		12	7	155	
632.0101.0045	IJ	Juniper, Iowa									4		37															41	
632.0101.0047	MJ	Juniper, Mountbatten				4					22	12		9			16	15						10				88	
632.0101.0053	WS	Spruce, White				3	7				32	13		9			19					7	7			10		107	
SHRUBS																													
632.0201.0055	BC	Chokeberry, Black	27															21							28			76	
632.0201.0057	GD	Dogwood, Gray	17								3		6					3						2	3			34	
632.0201.0059	SR	Rose, Sunny Knock Out													11													11	
632.0201.0061	TS	Spirea, Tor birchleaf													9													9	
632.0201.0063	FS	Sumac, Fragrant									23							5							14			42	
632.0201.0065	SS	Sumac, Smooth									2													12				14	
632.0201.0067	AV	Viburnum, Arrowwood	13								21		5					8							25	2		74	
632.0201.0069	CV	Viburnum, Compact Cranberry									19													12				31	
VINES																													
632.0301	BI	Ivy, Boston		10	11	2		6	8																			37	
PERENNIALS&GRASSES																													
SPV.0060.6000	SDD	Daylily, Stella de Oro Dwarf													42													42	
SPV.0060.6001	WLC	Catmint, Walkers Low													12													12	
SPV.0060.6002	PC	Coneflower, Purple													15													15	
SPV.0060.6004	RS	Sage, Russian													9													9	
SPV.0060.6005	RG	Geranium, Rozanne													33													33	
SPV.0060.6007	KFG	Grass, Karl Foerster													8													8	
SPV.0060.6009	HMP	Panicum, Heavy Metal													10													10	
SPV.0060.6010		Plug																					322	862	112	103		1399	

LANDSCAPE PLANTING

CATEGORY	PROJECT NUMBER	MOBILIZATION	TOPSOIL	SURVEILLANCE AND	TRAFFIC CONTROL	Watering Bag	PAVEMENT CLEANUP	Granite Boulders
		619.1000	625.0105	CARE CYCLES	643.5000	SPV.0060.6011	PROJECT 1060-35-81	SPV.0165.0001
		EACH	CY	EACH	EACH	EACH	HR	SF
6000	1060-35-81	1	26	24	1	938	20	70
		1	26	24	1	938	20	70

TRAFFIC CONTROL ITEMS											
		643.0300		643.0420		643.0715		643.0800		643.0900	
		TRAFFIC		TRAFFIC		TRAFFIC		TRAFFIC		TRAFFIC	
		CONTROL		CONTROL		CONTROL		CONTROL		CONTROL	
		DRUMS		BARRICADES		WARNING		ARROW		CONTROL	
				TYPE III		LIGHTS		BOARDS		SIGNS	
		EACH**		EACH**		EACH**		EACH**		EACH**	
CATEGORY	ROADWAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
6000	IH 894 WB / USH 45 NB	--	--	--	--	--	--	--	--	10	22
	IH 894 EB / USH 45 SB	--	--	--	--	--	--	--	--	6	12
	IH 41 / USH 45 NB	48	244	1	8	5	40	2	11	29	128
	IH 41 / USH 45 SB	11	22	--	--	--	--	--	--	20	38
	IH 94 EB	--	--	--	--	--	--	--	--	10	14
	IH 94 WB	23	69	--	--	--	--	1	3	18	48
	BLUEMOUND ROAD	6	12	--	--	--	--	--	--	3	6
	UNDISTRIBUTED		69		2		8		3		54
TOTALS		416		10		48		17		322	

**FOR INFORMATION ONLY

ROOT STOCK

		SPV.0060.6013	SPV.0180.0001
		SHALLOW MARSH	ROOT STOCK
		ROOTSTOCK	PROTECTION
CATEGORY	LOCATION	EACH	SY
6000	MAINLINE		
	SW CORE POND		
		130	500
TOTAL		130	500

SCHEDULE OF LANDS & INTERESTS REQUIRED

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TO THE DEPARTMENT.

* DENOTES AREA COMPUTED

PROJECT FUNDING I.D.	PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W REQUIRED (ACRES)			TOTAL REMAINING ACRES	TLE ACRES	HE ACRES	PLE ACRES	PARCEL NUMBER
1060-33-25	1(2)	4.11,4.12	SUMMIT CREDIT UNION	FEE, PLE,TLE	2.248	0.133		0.133	2.115	0.110		0.052	1(2)
1060-33-25	2	4.12	WELLNESS DOCTORS, LLC	FEE,TLE	0.613	0.047		0.047	0.566	0.184			2
1060-33-25	3	4.12	BAKERY SALES DRIVERS UNION LOCAL NO. 344	FEE, TLE	0.618	0.012		0.012	0.606	0.062			3
1060-33-25	4	4.12	DENNIS J. RODY	FEE, TLE	0.230	0.018		0.018	0.212	0.038			4
1060-33-25	5	4.12	DANIEL BISHOP	TLE	0.102				0.102	0.031			5
1060-33-25	6	4.12	FOREST PARK REAL ESTATE CO., LLC	TLE	0.116				0.116	0.007			6
1060-33-25	7	4.12	SHERYL GROENEWOUD & WENDY PETERSON	TLE	0.155				0.155	0.008			7
1060-33-25	8	4.12	STEIGERWALD TRUST	TLE	0.231				0.231	0.009			8
1060-33-25	9	4.12	T & C HOLDINGS, LLC	TLE	0.277				0.277	0.019			9
1060-33-25	10	4.12	PROBUCOLIS ASSOCIATION OF WISCONSIN, ET AL.	TLE	0.591				0.591	0.038			10
1060-33-25	11	4.19	MILWAUKEE COUNTY	FEE, TLE	14.611	6.346		6.346	8.265	0.043			11
1060-33-25	12(2)	4.19	INNOVATION PARTNERS LLC	FEE, TLE	14.350	0.135		0.135	14.215	0.408			12(2)
1060-33-25	13(2)	4.19	MILWAUKEE COUNTY	FEE,PLE,TLE	16.055	0.168		0.168	15.887	0.227		0.001	13(2)
1060-33-25	14(2)	4.19	MILWAUKEE COUNTY	TLE	1.583				1.583	0.058			14(2)
1060-33-25	15(4)	4.20	MILWAUKEE COUNTY	FEE, PLE, TLE	224.820	3.847		3.847	220.973	3.257		0.002	15(4)
1060-33-25	16(4)	4.20,4.21,4.22	UWM INNOVATION PARK LLC	FEE,PLE, TLE	85.643	11.794		11.794	73.849	1.589		0.012	16(4)
1060-33-25	17(6)	4.14	MATHEW RIBBECK	FEE	0.150	0.038		0.038	0.112				17(6)
1060-33-25	18(6)	4.14	DANIEL J. MILTON	FEE	0.174	0.073		0.073	0.101				18(6)
1060-33-25	19(6)	4.14	ZACHARY P. LISKA	FEE	0.138	0.020		0.020	0.118				19(6)
1060-33-25	20(6)	4.14	JOSEPH & SUE ZUNAC	FEE	0.138	0.006		0.006	0.132				20(6)
1060-33-25	21(6)	4.13	RICKY H. & ROSE M. JENSEN	FEE	0.335	0.026		0.026	0.309				21(6)
1060-33-25	22(6)	4.13	GABRIEL & ERENDIRA VIDAL	FEE	0.147	0.012		0.012	0.135				22(6)
1060-33-25	23(3)	4.13	JACOB A. WEST	FEE	0.141	0.009		0.009	0.132				23(3)
1060-33-25	24(3)	4.13	GEORGE D. & EVELYN E. BIEGEL	FEE	0.180	0.004		0.004	0.176				24(3)
1060-33-25	25(3)	4.09	KINLOW, LLC	PLE	3.624				3.624			0.030	25(3)
1060-33-25	26(7)	4.09,4.10	UNION PACIFIC RAILROAD COMPANY	HE	VAST				VAST		1.572		26(7)
1060-33-25	27(6)	4.13	SUSAN C ROWINSKI	FEE	0.357	0.027		0.027	0.330				27(6)
1060-33-25	28(6)	4.13	STEPHEN C & DAWN M MUFFLER	FEE	0.189	0.014		0.014	0.175				28(6)
1060-33-25	29(6)	4.13	BRIAN D BALL	FEE	0.251	0.019		0.019	0.232				29(6)
1060-33-25	30(3)	4.08-4.14	WISCONSIN ELECTRIC POWER COMPANY (WEPCO)	FEE,PLE,TLE	VAST	5.232	2.748	7.980	VAST	3.629		1.133	30(3)
1060-33-25	31(6)	4.13	STEPHEN L SOIK	FEE	0.189	0.014		0.014	0.175				31(6)
1060-33-25	32(6)	4.13	GERALD W SCHMIDT	FEE	0.230	0.018		0.018	0.212				32(6)
1060-33-25	33(6)	4.13	DOLORES R SCHUEPFERLING	FEE	0.210	0.016		0.016	0.194				33(6)
1060-33-25	34(6)	4.13	ALEJANDRO & GRACIELA RODRIGUZ	FEE	0.220	0.017		0.017	0.203				34(6)
1060-33-25	35(6)	4.13	JOSEPH F JANSKY	FEE	0.220	0.017		0.017	0.203				35(6)
1060-33-25	36(6)	4.13	SCOTT KUEHN SR	FEE	0.230	0.018		0.018	0.212				36(6)
1060-33-25	37(6)	4.13	TROY D & CHIHO BENNETT	FEE	0.209	0.016		0.016	0.193				37(6)
1060-33-25	38(6)	4.13	SUSAN M LAUDON	FEE	0.209	0.016		0.016	0.193				38(6)
1060-33-25	39(6)	4.13,4.14	CHRISTOPHER L. MANCHESTER & SHELLY L. ERMI	FEE	0.227	0.018		0.018	0.209				39(6)
1060-33-25	40(6)	4.14	MAYEK TRUST	FEE	0.207	0.016		0.016	0.191				40(6)
1060-33-25	41(6)	4.14	FREDDIE J SIZEMORE	FEE	0.227	0.018		0.018	0.209				41(6)
1060-33-25	42(6)	4.14	GORDHANBHAI B. PATEL a/k/a GORADAHNBHAI B. PATEL	FEE	0.293	0.022		0.022	0.271				42(6)
1060-33-25	43(6)	4.14	JAYANTIBHAI S & MANGU PATEL	FEE	0.292	0.022		0.022	0.270				43(6)
1060-33-25	44(6)	4.14	JASON D & ERIN S STRANKOWSKI	FEE	0.291	0.022		0.022	0.269				44(6)
1060-33-25	45(6)	4.14	THOMAS J & ANGELA MORRIS	FEE	0.362	0.028		0.028	0.334				45(6)
1060-33-25	46(6)	4.14	HEATHER LEIGH SMITH	FEE	0.170	0.014		0.014	0.156				46(6)
1060-33-25	47(6)	4.14	RICHARD H KAEBISCH	FEE	0.171	0.016		0.016	0.155				47(6)
1060-33-25	48(6)	4.14	BEDRASE MOURADIAN	FEE	0.171	0.018		0.018	0.153				48(6)
1060-33-25	49(6)	4.14	DONALD L LESLIE	FEE	0.218	0.026		0.026	0.192				49(6)
1060-33-25	50(6)	4.14	ANTHONY A & PATRICIA A KNAPP	FEE	0.227	0.029		0.029	0.198				50(6)
1060-33-25	51(6)	4.14	DANIEL & LORETTA BUSHEK	FEE	0.207	0.030		0.030	0.177				51(6)
1060-33-25	52(6)	4.14	JULIUS F KALAMARZ	FEE	0.227	0.037		0.037	0.190				52(6)
1060-33-25	53(6)	4.14	WALTER KALAMARZ	FEE	0.293	0.038		0.038	0.255				53(6)
1060-33-25	54(6)	4.14	R & R REALTY LLC	FEE	0.292	0.042		0.042	0.250				54(6)

REVISION DATE MAY 17, 2012 JULY 11, 2012 AUG. 15, 2012	OCT. 15, 2012 DEC. 17, 2012 MAY 28, 2013 AUG. 29, 2013	JAN. 17, 2014 FEB. 29, 2016	DATE	FEB. 13, 2012		HWY:	IH 894/USH 45	STATE R/W PROJECT NUMBER 1060-33-25			PLAT SHEET	4.02	E
						COUNTY:	MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-72 1060-33-81 1060-33-77			PS&E SHEET		

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

* DENOTES AREA COMPUTED

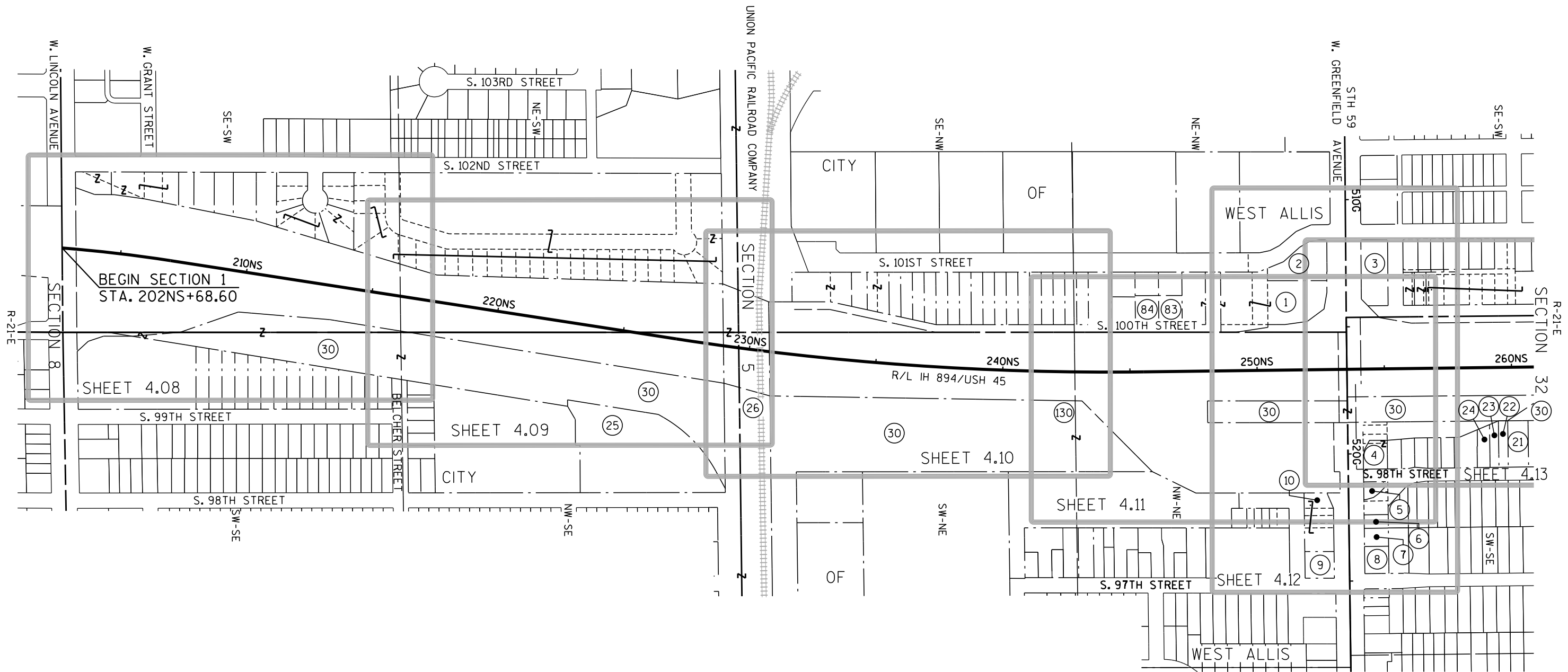
PROJECT FUNDING I.D.	PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W REQUIRED (ACRES)			TOTAL REMAINING ACRES	TLE ACRES	PLE ACRES	PARCEL NUMBER
1060-33-25	55(7)	4.15	OJIUGO HOLDING COMPANY LLC	TLE	0.480					0.007		55(7)
1060-33-25	56(7)	4.15	S2 REALESTATE 9730 LLC	TLE	0.258					0.010		56(7)
1060-33-25	57(7)	4.15	WINSTON PROPERTIES LLC	TLE	0.363					0.015		57(7)
1060-33-25	58(7)	4.15	DAISY PROPERTIES LLC	TLE	0.114					0.005		58(7)
1060-33-25	59(7)	4.16	MARK J & SHEENA GROSS	TLE	0.185					0.015		59(7)
1060-33-25	60(7)	4.16	DAVID L & SEN DIYA HAMPEL	TLE	0.186					0.008		60(7)
1060-33-25	61(7)	4.16	JON H & JENNIFER C TROMP	TLE	0.182					0.008		61(7)
1060-33-25	62(7)	4.16	DANIEL D & ANGELA M EBELING	TLE	0.182					0.015		62(7)
1060-33-25	63(7)	4.16	BARBARA SCHNEIDER-WOLTER	TLE	0.182					0.015		63(7)
1060-33-25	64(7)	4.16	ROBERT C & RHONDA WAY	TLE	0.182					0.008		64(7)
1060-33-25	65(8)	4.18	BEL MARQUETTE I LLC	FEE,TLE	23.469	0.306	0.306	23.163		0.062		65(8)
1060-33-25	66(7)	4.17	WIN 5 LLC	TLE	0.160					0.007		66(7)
1060-33-25	67(7)	4.17	CAROL A MICHAEL	TLE	0.124					0.005		67(7)
1060-33-25	68(7)	4.17	PAUL MARTIN	TLE	0.174					0.007		68(7)
1060-33-25	69(7)	4.17	GREGORY & DIANE KOSMIDER	TLE	0.176					0.004		69(7)
1060-33-25	70(7)	4.17	MICHAEL & JACQUELINE S. PHILLIPS	TLE	0.165					0.004		70(7)
1060-33-25	71(9)	4.17	ELIMINATED									71(9)
1060-33-25	72(8)	4.14	ALPHA OIKONOMOS LLC	TLE	0.465					0.002		72(8)
1060-33-25	73(7)	4.14	JIMMY R & KATHLEEN M TAXIS	TLE	0.274					0.011		73(7)
1060-33-25	74(7)	4.14	CYNTHIA M. FLEISCHMAN	TLE	0.239					0.009		74(7)
1060-33-25	75(7)	4.14	MARIANNE NARLOCK	TLE	0.119					0.005		75(7)
1060-33-25	76(7)	4.14	ANTHONY W ABBOTT	TLE	0.119					0.005		76(7)
1060-33-25	77(10)	4.14	DAMON M PADOVANO AND CLAIRE T. SCHALLER	TLE	0.236					0.009		77(10)
1060-33-25	78(7)	4.14	MICHAEL J PERSON	TLE	0.110					0.005		78(7)
1060-33-25	79(7)	4.14	JOHN P & ANGELA M ECKERT	TLE	0.110					0.005		79(7)
1060-33-25	80(7)	4.14	MICHAEL L ZEIMET	TLE	0.110					0.005		80(7)
1060-33-25	81(7)	4.14	MARSHALL & DIANE PEEBLES	TLE	0.248					0.010		81(7)
1060-33-25	82(7)	4.14	MARIE F SOKOWLOWSKI	TLE	0.105					0.004		82(7)
1060-33-25	83(7)	4.11	JASON D KEWLEY	FEE,TLE	0.242	0.011	0.011	0.231		0.016		83(7)
1060-33-25	84(7)	4.11	ROSS C HANSEN	TLE	0.242					0.011		84(7)
1060-33-25	112(7)	4.18,4.19	INNOVATION PARTNERS LLC	FEE,TLE	14.215	0.719	0.719	13.496		0.077		112(7)
1060-33-25	115(7)	4.18	MILWAUKEE COUNTY	FEE,TLE	6.340	0.016	0.016	6.324		0.081		115(7)
1060-33-25	116(10)	4.20	UWM INNOVATION PARK LLC	FEE,TLE	25.372	0.046	0.046	25.326		0.081		116(10)
1060-33-25	130(6)	4.11	WISCONSIN ELECTRIC POWER COMPANY (WEPCO)	TLE	VAST			VAST		0.287		130(6)
1060-33-25	500(4)	4.08-4.14,4.19,4.20	WE ENERGIES - ELECTRIC	ROR								500(4)
1060-33-25	501(9)	4.20	WE ENERGIES - GAS	ROR								501(9)
1060-33-25	502	4.19-4.21	WE ENERGIES - STEAM	ROR								502
1060-33-25	504(9)	4.10, 4.13, 4.18, 4.20	AT&T WISCONSIN	ROR								504(9)
1060-33-25	505(6)	4.08-4.14	AMERICAN TRANSMISSION COMPANY	ROR								505(6)
1060-33-25	507(9)	4.19, 4.20	TIME WARNER CABLE	ROR								507(9)
1060-33-25	508(9)	4.09, 4.10	US SPRINT	ROR								508(9)
1060-33-25	509(2)	4.19	VOICESTREAM	ROR								509(2)
1060-33-25	521(10)	4.16, 4.17	CITY OF MILWAUKEE - SEWER	ROR								521(10)
1060-33-25	532(9)	4.20	WAUWATOSA WATER UTILITY	ROR								532(9)
1060-33-25	540(4)	4.19,4.20	MILWAUKEE COUNTY - STORM	ROR								540(4)
1060-33-25	541(9)	4.18-4.20,4.22	MILWAUKEE COUNTY - WATER	ROR								541(9)
1060-33-25	542(9)	4.19	MILWAUKEE COUNTY - SANITARY	ROR								542(9)
1060-33-25	543(9)	4.18-4.20	CITY OF MILWAUKEE- ELEC / COMM	ROR								543(9)
1060-33-25	551	4.11,4.12	CITY OF WEST ALLIS - WATER	ROR								551
1060-33-25	552(9)	4.09-4.12	CITY OF WEST ALLIS - SANITARY	ROR								552(9)
1060-33-25	UA631(9)	4.15, 4.16, 4.18	CITY OF WAUWATOSA	MUNICIPAL UTILITY AGREEMENT								UA631(9)
1060-33-25	UA632(9)	4.15, 4.16, 4.18, 4.20	WAUWATOSA WATER UTILITY	MUNICIPAL UTILITY AGREEMENT								UA632(9)
1060-33-25	UA641(9)	4.15-4.17	CITY OF MILWAUKEE - SEWER	MUNICIPAL UTILITY AGREEMENT								UA641(9)
1060-33-25	UA642(9)	4.15, 4.17	CITY OF MILWAUKEE - WATER	MUNICIPAL UTILITY AGREEMENT								UA642(9)
1060-33-25	UA651(9)	4.10-4.14	CITY OF WEST ALLIS - WATER	MUNICIPAL UTILITY AGREEMENT								UA651(9)
1060-33-25	UA652(9)	4.10-4.14	CITY OF WEST ALLIS - SANITARY	MUNICIPAL UTILITY AGREEMENT								UA652(9)

REVISION DATE DEC. 17, 2012 MAY 28, 2013 AUG. 29, 2013	JAN. 17, 2014 FEB. 29, 2016	DATE	OCT. 15, 2012		HWY: IH 894/USH 45	STATE R/W PROJECT NUMBER 1060-33-25	PLAT SHEET 4.03	
					COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-72 1060-33-81 1060-33-77	PS&E SHEET	

T-7-N
T-6-N



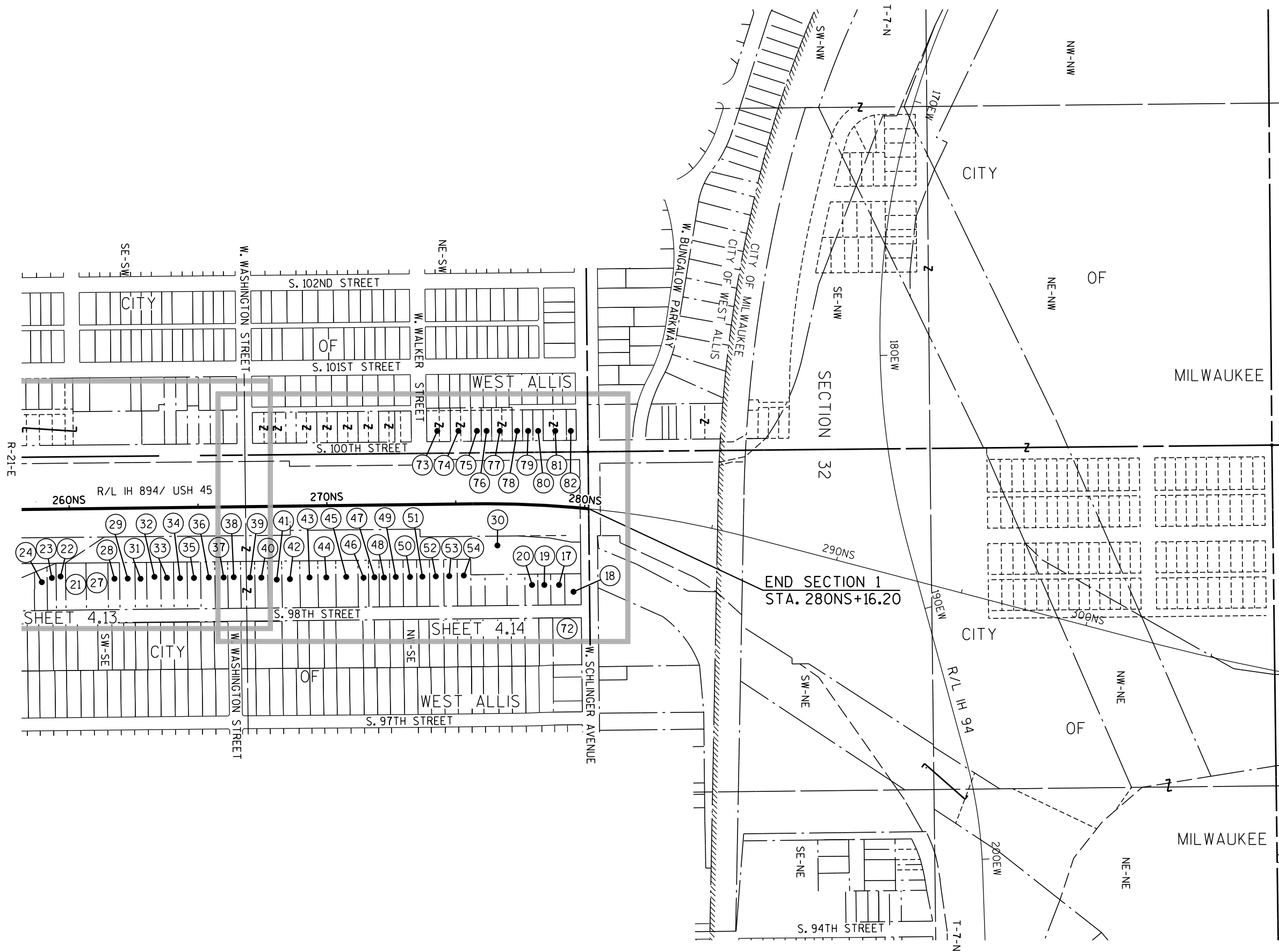
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4

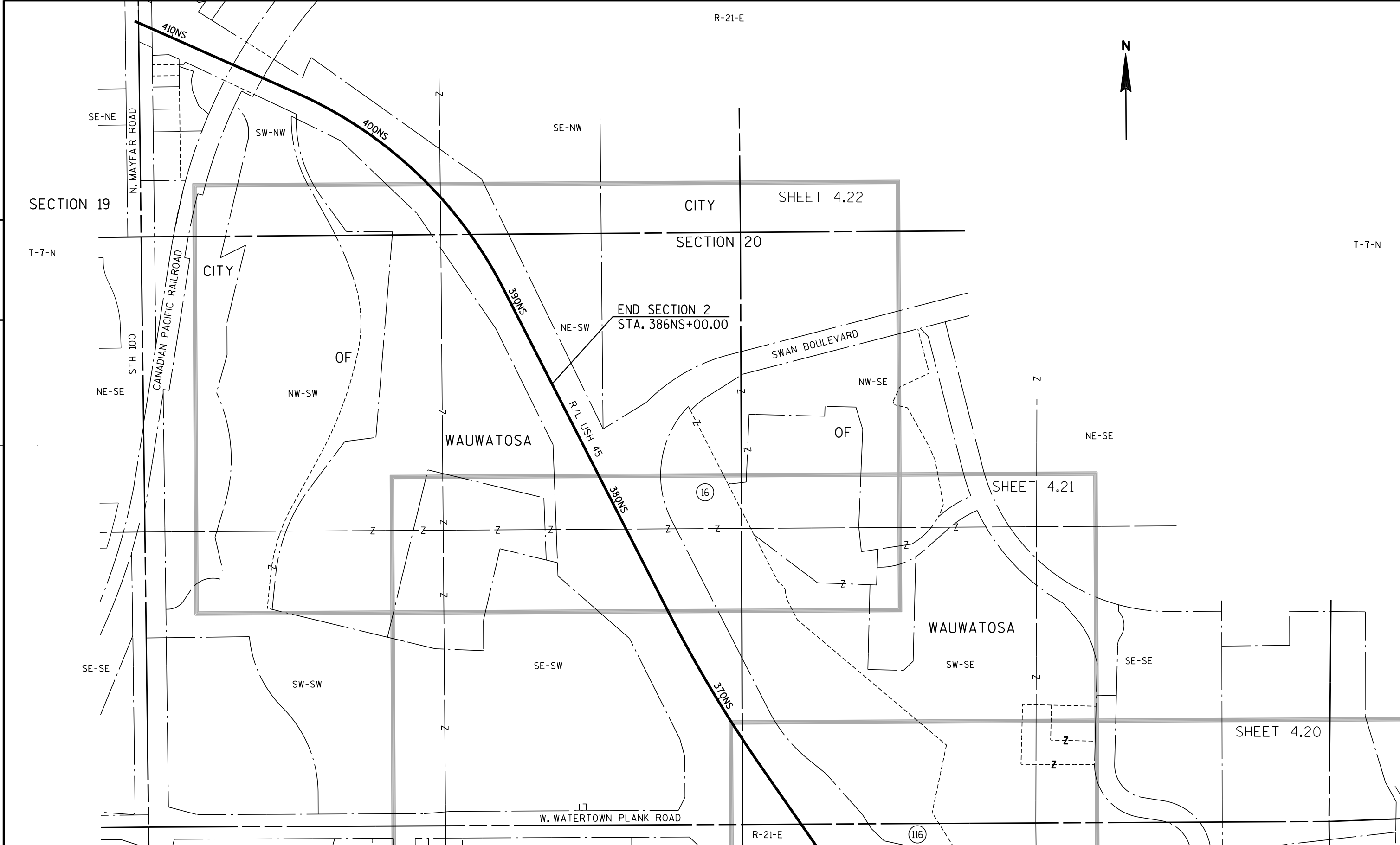
REVISION DATE MAY 17, 2012 JULY 11, 2012 AUG. 15, 2012	DATE FEB. 13, 2012	SCALE, FEET 0 200 400	HWY: IH 894/USH 45 COUNTY: MILWAUKEE	STATE R/W PROJECT NUMBER 1060-33-25 CONSTRUCTION PROJECT NUMBER 1060-33-81 1060-33-77	PLAT SHEET 4.04 PS&E SHEET	E

4

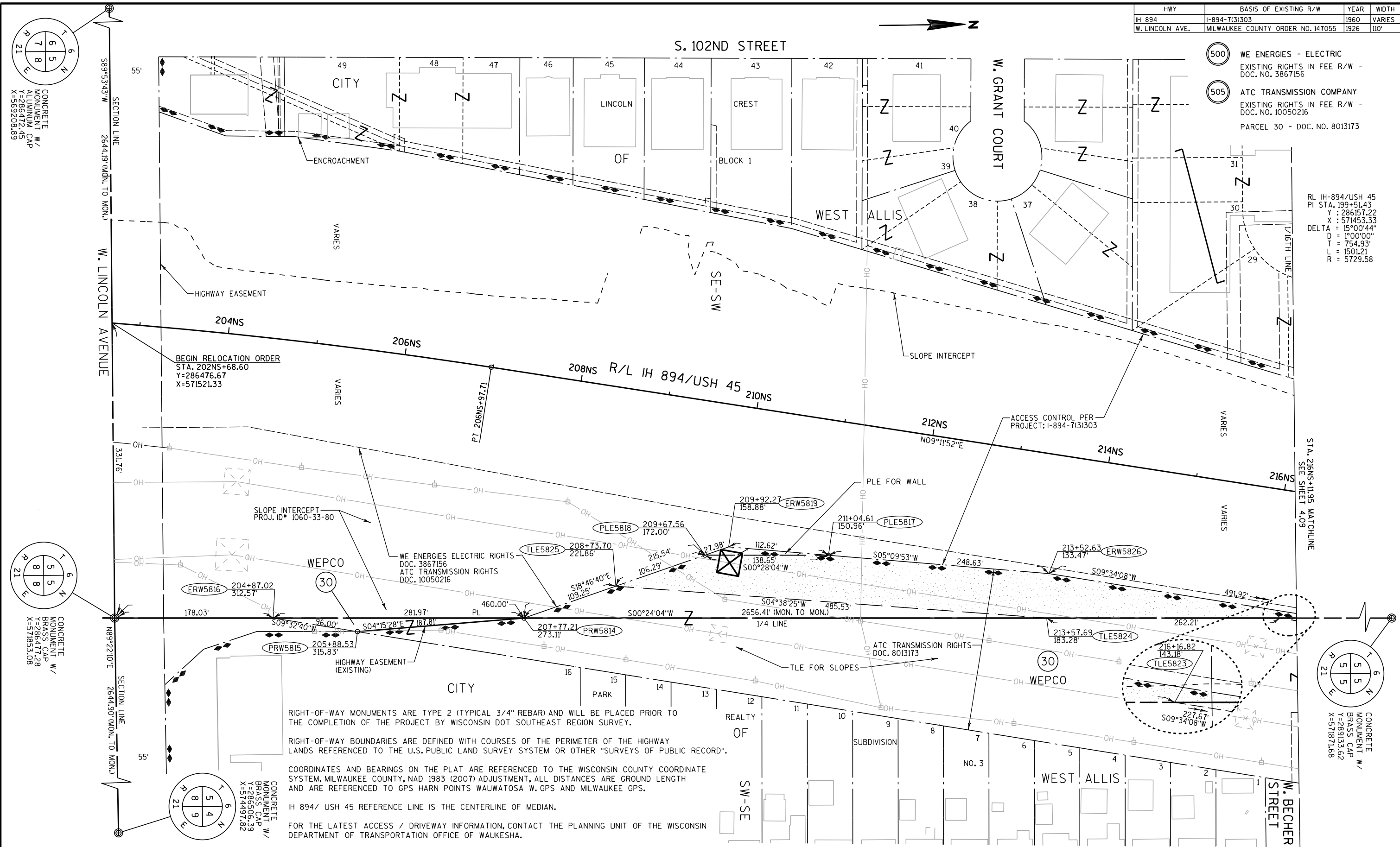


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REVISION DATE JULY 11, 2012 AUG. 15, 2012 OCT. 15, 2012	DEC. 17, 2012	FEB. 29, 2016	DATE MAY 16, 2012	SCALE, FEET 0 200 400	HWY: IH 894/USH 45	STATE R/W PROJECT NUMBER 1060-33-25	PLAT SHEET 4.05	E
	MAY 28, 2013				COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-81	PS&E SHEET	
	AUG. 29, 2013							
	JAN. 17, 2014							



REVISION DATE JUL. 11, 2012 AUG. 15, 2012 OCT. 15, 2012	DEC. 17, 2012	FEB. 29, 2016	DATE MAY 17, 2012	SCALE, FEET 0 200 400	HWY: IH 894/USH 45 COUNTY: MILWAUKEE	STATE R/W PROJECT NUMBER 1060-33-25 CONSTRUCTION PROJECT NUMBER 1060-33-72	PLAT SHEET 4.07 PS&E SHEET	E
	MAY 28, 2013							
	AUG. 29, 2013							
	JAN. 17, 2014							



HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
IH 894	I-894-7(3)303	1960	VARIES
W. LINCOLN AVE.	MILWAUKEE COUNTY ORDER NO. 147055	1926	110'

- 500 WE ENERGIES - ELECTRIC
EXISTING RIGHTS IN FEE R/W -
DOC. NO. 3867156
- 505 ATC TRANSMISSION COMPANY
EXISTING RIGHTS IN FEE R/W -
DOC. NO. 10050216
PARCEL 30 - DOC. NO. 8013173

RL IH-894/USH 45
PI STA. 199+51.43
Y : 286157.22
X : 571453.33
DELTA = 15°00'44"
D = 1°00'00"
T = 754.93'
L = 1501.21
R = 5729.58

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

COORDINATES AND BEARINGS ON THE PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MILWAUKEE COUNTY, NAD 1983 (2007) ADJUSTMENT, ALL DISTANCES ARE GROUND LENGTH AND ARE REFERENCED TO GPS HARN POINTS WAUWATOSA W. GPS AND MILWAUKEE GPS.

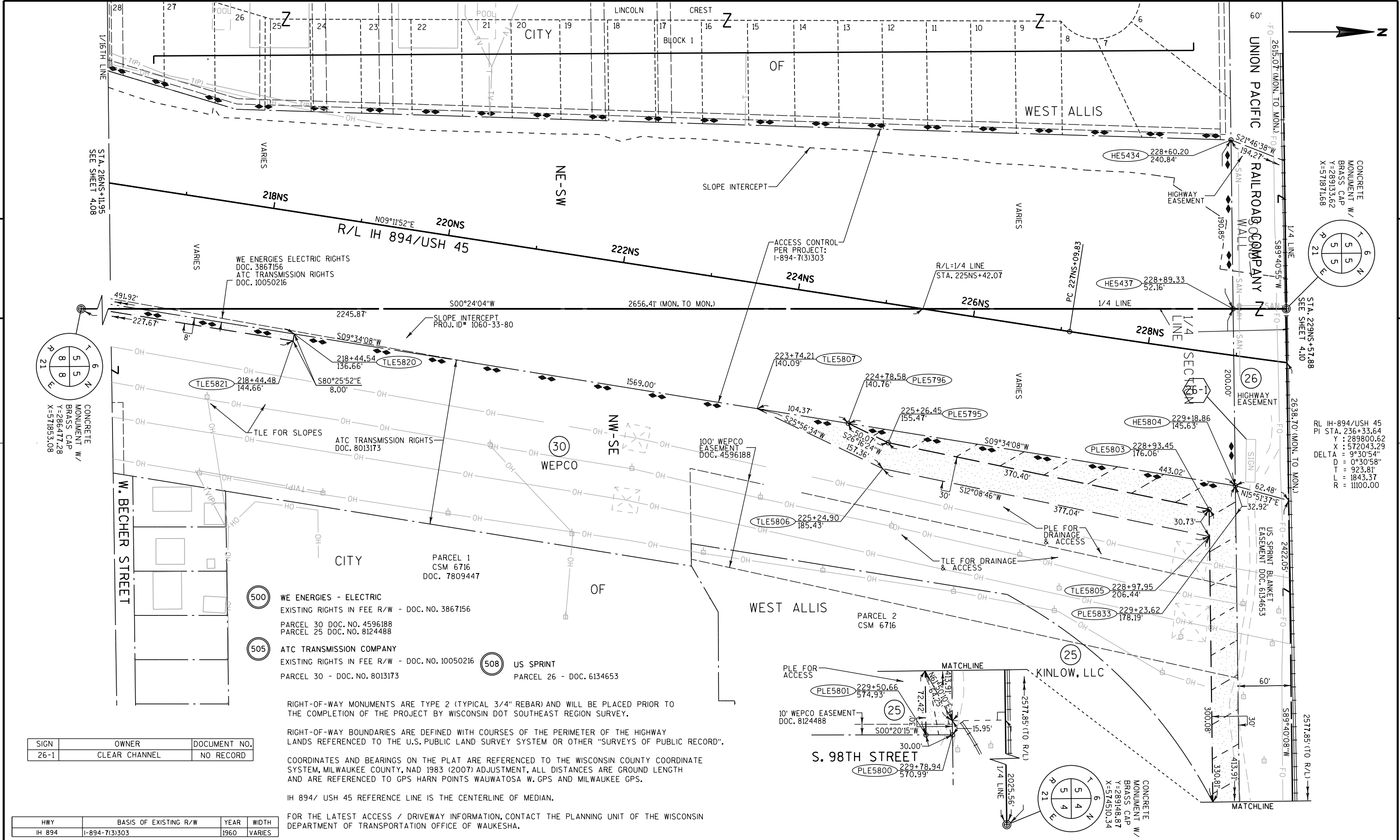
IH 894/ USH 45 REFERENCE LINE IS THE CENTERLINE OF MEDIAN.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE OF WAUKESHA.

REVISION DATE	MAY 28, 2013	DATE	JULY 11, 2012	SCALE, FEET	0 50 100	HWY: IH 894/USH 45	STATE R/W PROJECT NUMBER	1060-33-25	PLAT SHEET	4.08
AUG. 15, 2012	AUG. 29, 2013					COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER	1060-33-81	PS&E SHEET	E
OCT. 15, 2012	JAN. 17, 2014									
DEC. 17, 2012	FEB. 29, 2016									

4

4



SIGN	OWNER	DOCUMENT NO.
26-1	CLEAR CHANNEL	NO RECORD

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
IH 894	I-894-7(3)303	1960	VARIES

REVISION DATE	MAY 28, 2013
AUG. 15, 2012	AUG. 29, 2013
OCT. 15, 2012	JAN. 17, 2014
DEC. 17, 2012	FEB. 29, 2016

DATE JULY 11, 2012

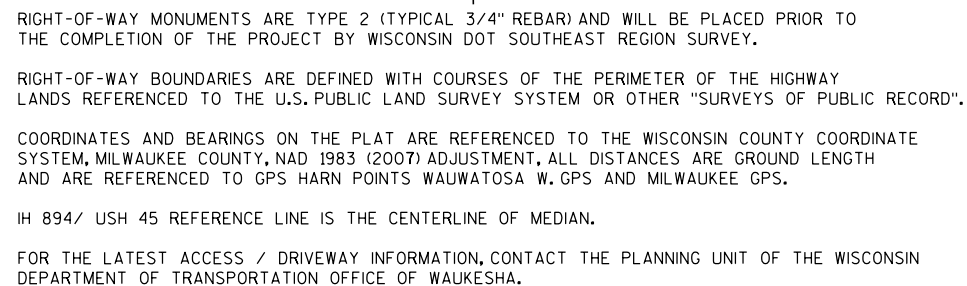
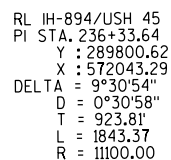
SCALE, FEET
0 50 100

HWY: IH 894/ USH 45
COUNTY: MILWAUKEE

STATE R/W PROJECT NUMBER 1060-33-25
CONSTRUCTION PROJECT NUMBER 1060-33-81 1060-33-85

PLAT SHEET 4.09
PS&E SHEET E

500 WE ENERGIES - ELECTRIC EXISTING RIGHTS IN FEE R/W - DOC.NO. 3867156 504 AT&T WISCONSIN PARCEL 26 - DOC. 6472407 505 ATC TRANSMISSION COMPANY EXISTING RIGHTS IN FEE R/W - DOC.NO. 10050216 PARCEL 30 - DOC. NO. 8013173 508 US SPRINT PARCEL 26 - DOC. 6134653 552 CITY OF WEST ALLIS - SANITARY PARCEL 26 - NO RECORDED EASEMENT	UA651 CITY OF WEST ALLIS WATER UA652 CITY OF WEST ALLIS SEWER
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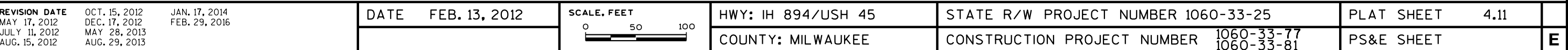


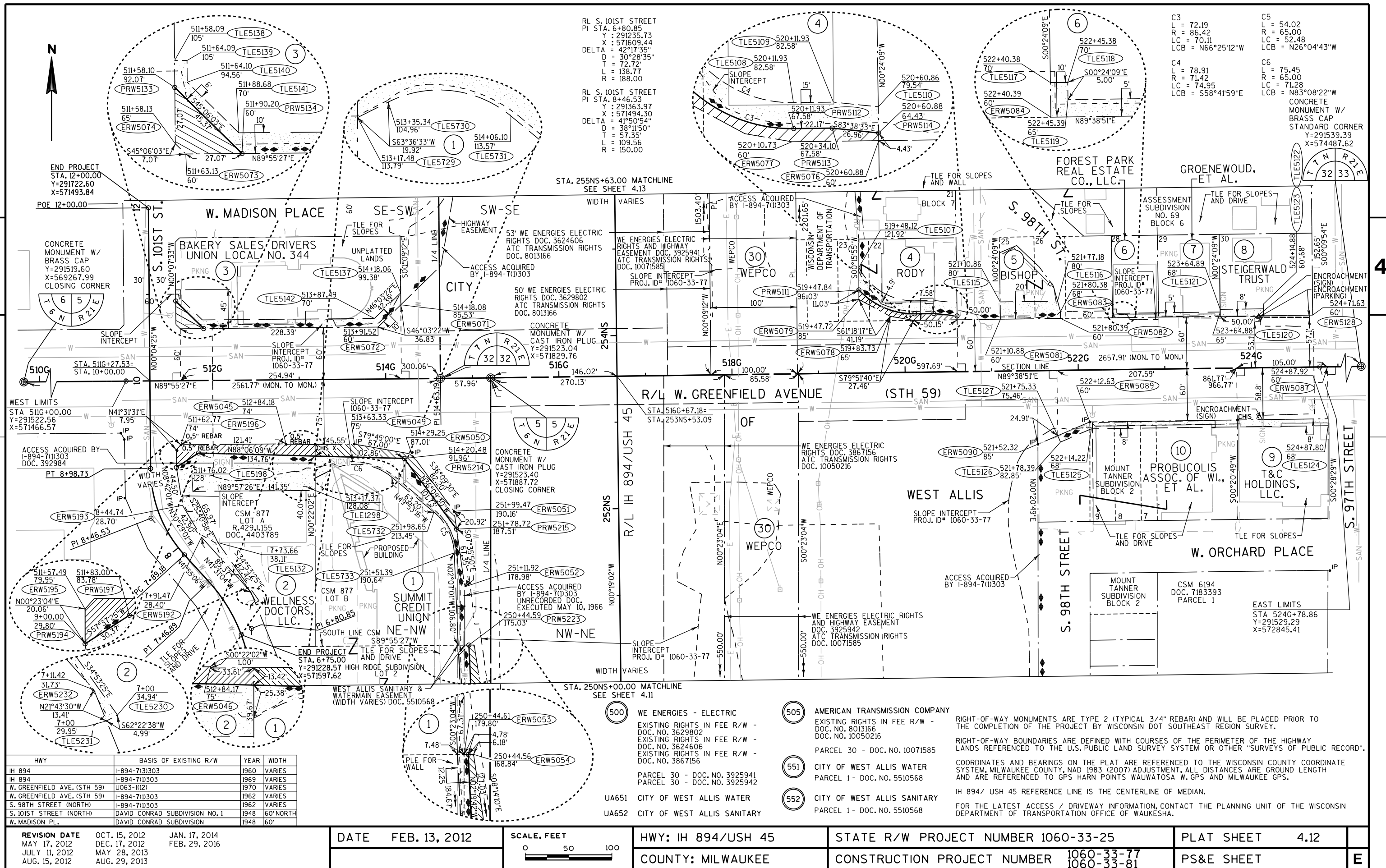
E	
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R/W 1060-55-25 4.10

CONCRETE
MONUMENT
CAST IRO
Y=2915.23,
X=5718.29,
STANDARD

RL IH-894/USH 45
PI STA. 236+33.64
Y = 289800.62
X = 572043.29
DELTA = 9°30'54"
D = 0°30'58"
T = 923.81'
L = 1843.37
R = 11100.00





500 WE ENERGIES - ELECTRIC
EXISTING RIGHTS IN FEE R/W -
DOC. NO. 3624606
PARCEL 22 - DOC. NO. 3927622
PARCEL 23 - DOC. NO. 3927621
PARCEL 24 - DOC. NO. 3927620
PARCEL 30 - DOC. NO. 3925941

505 AMERICAN TRANSMISSION COMPANY
EXISTING RIGHTS IN FEE R/W -
DOC. NO. 8013166
PARCEL 30 - DOC. NO. 8013173
PARCEL 30 - DOC. NO. 10071585

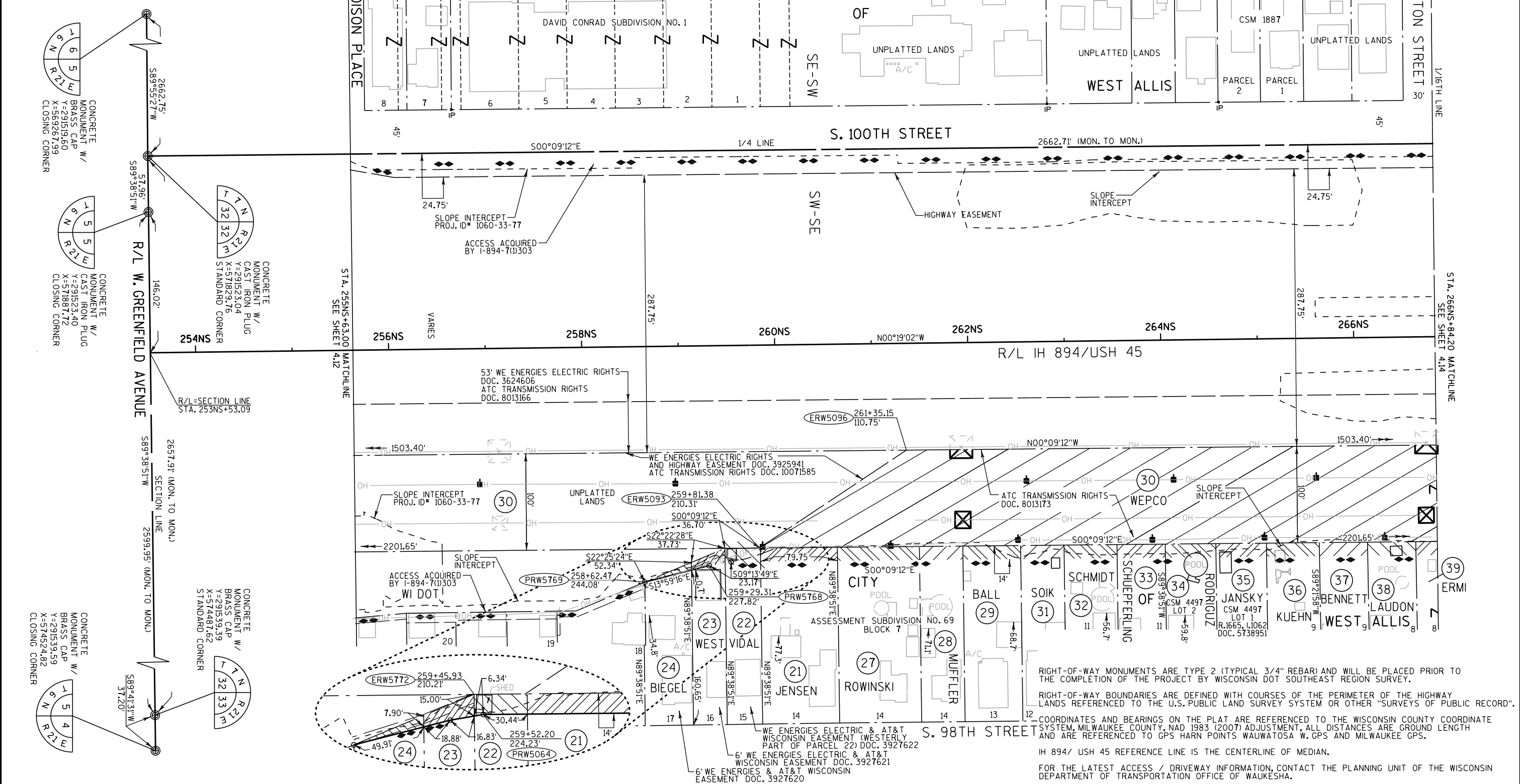
504 AT&T WISCONSIN
PARCEL 22 - DOC. NO. 3927622
PARCEL 23 - DOC. NO. 3927621
PARCEL 24 - DOC. NO. 3927620

UA651 CITY OF WEST ALLIS WATER
UA652 CITY OF WEST ALLIS SANITARY

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
IH 894	I-894-7(1)303	1969	VARIES
W. WASHINGTON ST.	ROSE HILL SUBDIVISION	1929	60'
W. MADISON PL.	DAVID CONRAD SUBDIVISION	1948	60'

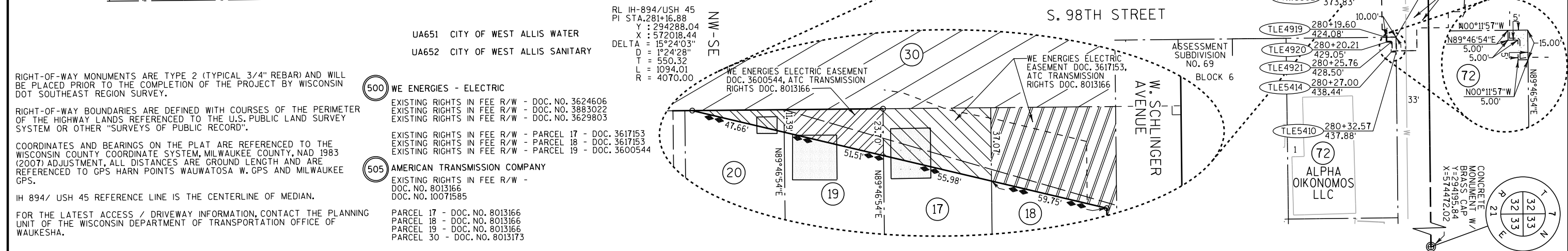
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4



REVISION DATE	MAY 28, 2013 AUG. 15, 2012 OCT. 15, 2012 DEC. 17, 2012	DATE	JULY 11, 2012	SCALE, FEET	0 50 100	HWY: IH 894/USH 45	STATE R/W PROJECT NUMBER 1060-33-25	PLAT SHEET 4.13	
						COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-81	PS&E SHEET	E

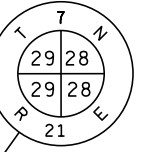
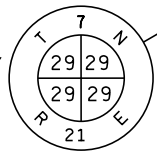
This is a detailed plat map of a portion of the Rose Hill Subdivision, Block 5. The map shows lots 1 through 11, with lot numbers 10, 19, 18, 7, 16, 15, 4, 13, 2, 1, and 12 also indicated. The streets shown are S 100th Street and W Walker Street. The map includes various easements and survey data, such as the TLE5904 easement, the TLE5905 easement, and the ERW5907 easement. The map also shows the Rose Hill Subdivision, Block 5, and the Rose Hill Subdivision, Block 6. The map is oriented with North at the top, as indicated by the 'N' symbol. The map is a technical drawing with precise lines and text, typical of a survey plat.



E

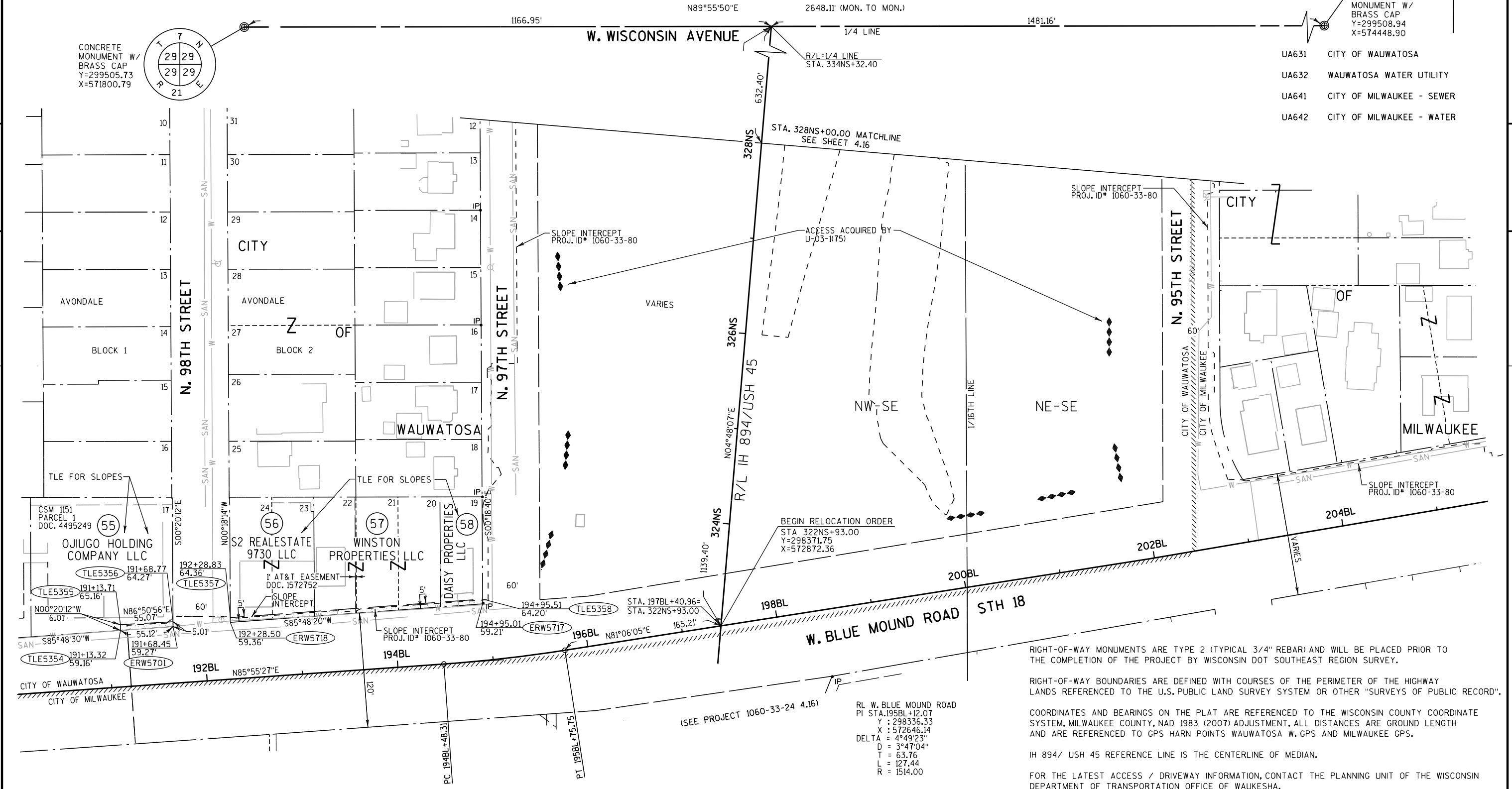
HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
IH 894	I-894-7(3)303	1960	VARIES
IH 894	I-894-7(1)303	1969	VARIES
N. 95TH STREET	U03-1(75)	1969	VARIES
N. 95TH STREET	BLUE MOUND RIDGE SUBDIVISION	1927	60'
N. 97TH STREET	AVONDALE SUBDIVISION	1924	60'
N. 98TH STREET	AVONDALE SUBDIVISION	1924	60'

CONCRETE
MONUMENT W/
BRASS CAP
Y=299505.73
X=571800.79



CONCRETE
MONUMENT W/
BRASS CAP
Y=299508.94
X=574448.90

- UA631 CITY OF WAUWATOSA
UA632 WAUWATOSA WATER UTILITY
UA641 CITY OF MILWAUKEE - SEWER
UA642 CITY OF MILWAUKEE - WATER



RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4\"/>

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY
LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER \"SURVEYS OF PUBLIC RECORD\".

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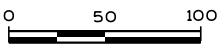
IH 894/ USH 45 REFERENCE LINE IS THE CENTERLINE OF MEDIAN.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN
DEPARTMENT OF TRANSPORTATION OFFICE OF WAUKESHA.

REVISION DATE
AUG. 29, 2013
JAN. 17, 2014
FEB. 29, 2016

DATE MAY 28, 2013

SCALE, FEET



HWY: IH 894/USH 45

COUNTY: MILWAUKEE

STATE R/W PROJECT NUMBER 1060-33-25

CONSTRUCTION PROJECT NUMBER 1060-33-81

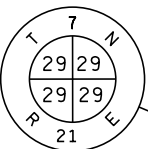
PLAT SHEET 4.15

PS&E SHEET

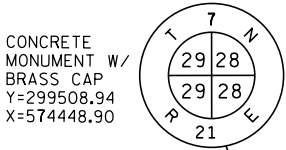
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HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
IH 894	I-894-7(3)303	1960	VARIES
IH 894	I-894-7(1)303	1969	VARIES
WISCONSIN AVENUE	AVONDALE SUBDIVISION	1924	40'
N. 97TH STREET	AVONDALE SUBDIVISION	1924	60'
N. 98TH STREET	AVONDALE SUBDIVISION	1924	60'

WI Ave Slopes



CONCRETE
MONUMENT W/
BRASS CAP
Y=299505.73
X=571800.79



CONCRETE
MONUMENT W/
BRASS CAP
Y=299508.94
X=574448.90



4

4

- 521 CITY OF MILWAUKEE - SEWER
EXISTING RIGHTS IN FEE R/W - DOC 3368816
- UA631 CITY OF WAUWATOSA
- UA632 WAUWATOSA WATER UTILITY
- UA641 CITY OF MILWAUKEE - SEWER

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REVISION DATE AUG. 29, 2013 JAN. 17, 2014 FEB. 29, 2016	DATE MAY 28, 2013	SCALE, FEET 0 50 100	HWY: IH 894/USH 45	STATE R/W PROJECT NUMBER 1060-33-25	PLAT SHEET 4.16	
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-81	PS&E SHEET	E

FILE NAME : W:\Plots\1060-33-25 (IH 894 USH 45)\cads\040416_RP.dgn

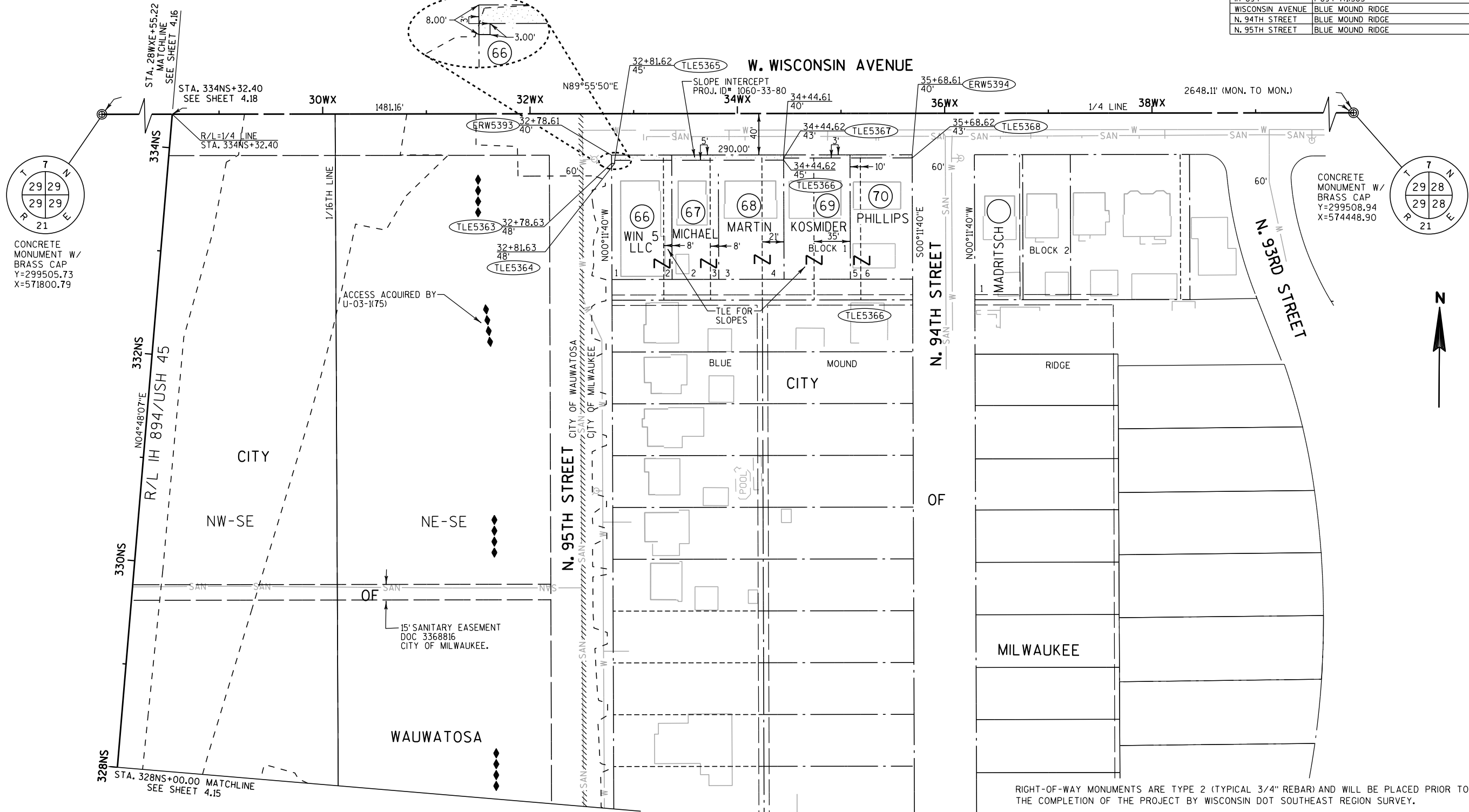
PLOT DATE : 29-FEB-2016 11:12

PLOT BY : MSCCK

PLOT NAME :

PLOT SCALE : 100:1

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
IH 894	I-894-7(3)303	1960	VARIES
IH 894	I-894-7(1)303	1969	VARIES
WISCONSIN AVENUE	BLUE MOUND RIDGE	1927	40'
N. 94TH STREET	BLUE MOUND RIDGE	1927	60'
N. 95TH STREET	BLUE MOUND RIDGE	1927	60'



521 CITY OF MILWAUKEE - SEWER
EXISTING RIGHTS IN FEE R/W - DOC 3368816

UA641 CITY OF MILWAUKEE - SEWER
UA642 CITY OF MILWAUKEE - WATER

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

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REVISION DATE AUG. 29, 2013 JAN. 17, 2014 FEB. 29, 2016	DATE MAY 28, 2013	SCALE, FEET 0 50 100	HWY: IH 894/USH 45	STATE R/W PROJECT NUMBER 1060-33-25	PLAT SHEET 4.17	
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-81	PS&E SHEET	E

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
USH 45	U 03-1(75) / 1100-1-23	1969	VARIES
WISCONSIN AVENUE	U 03-1(75) / 1100-1-23	1969	VARIES
WISCONSIN AVENUE	QCD DOC. 3745776	1959	40'NORTH

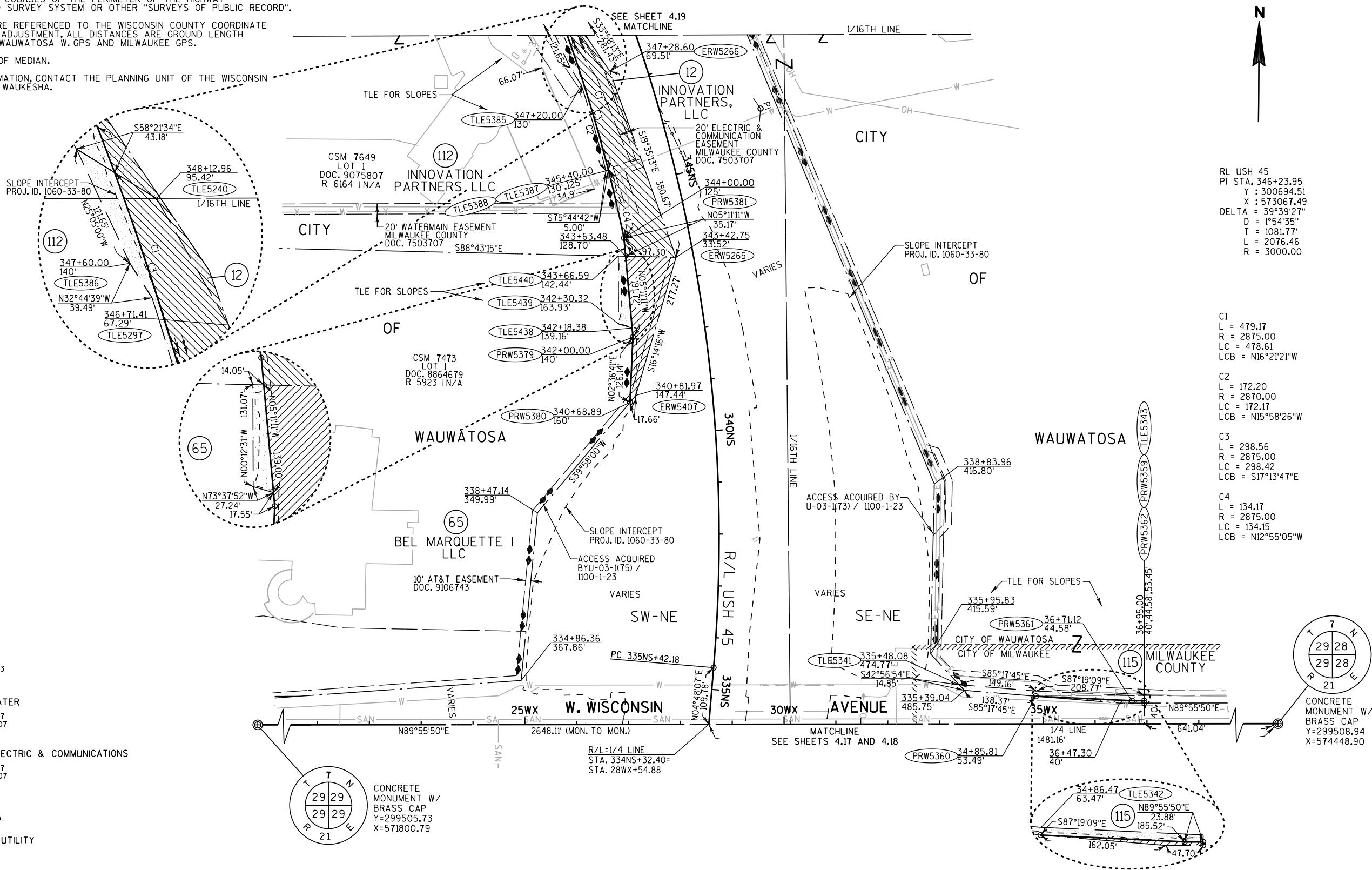
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

COORDINATES AND BEARINGS ON THE PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MILWAUKEE COUNTY, NAD 1983 (2007) ADJUSTMENT. ALL DISTANCES ARE GROUND LENGTH AND ARE REFERENCED TO GPS HARN POINTS WAUWATOSA W. GPS AND MILWAUKEE GPS.

USH 45 REFERENCE LINE IS THE CENTERLINE OF MEDIAN.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE OF WAUKESHA.



- 504 AT&T WISCONSIN
PARCEL 65 - DOC. NO. 9106743
- 541 MILWAUKEE COUNTY - WATER
PARCEL 12 - DOC. NO. 7503707
PARCEL 112 - DOC. NO. 7503707
- 543 MILWAUKEE COUNTY - ELECTRIC & COMMUNICATIONS
PARCEL 12 - DOC. NO. 7503707
PARCEL 112 - DOC. NO. 7503707

UA631 CITY OF WAUWATOSA
UA632 WAUWATOSA WATER UTILITY

RL USH 45
PI STA. 346+23.95
Y : 300694.51
X : 573067.49
DELTA = 39°39'27"
D = 1°54'35"
T = 1081.77'
L = 2076.46
R = 3000.00

C1
L = 479.17
R = 2875.00
LC = 478.61
LCB = N16°21'21"W

C2
L = 172.20
R = 2870.00
LC = 172.17
LCB = N15°58'26"W

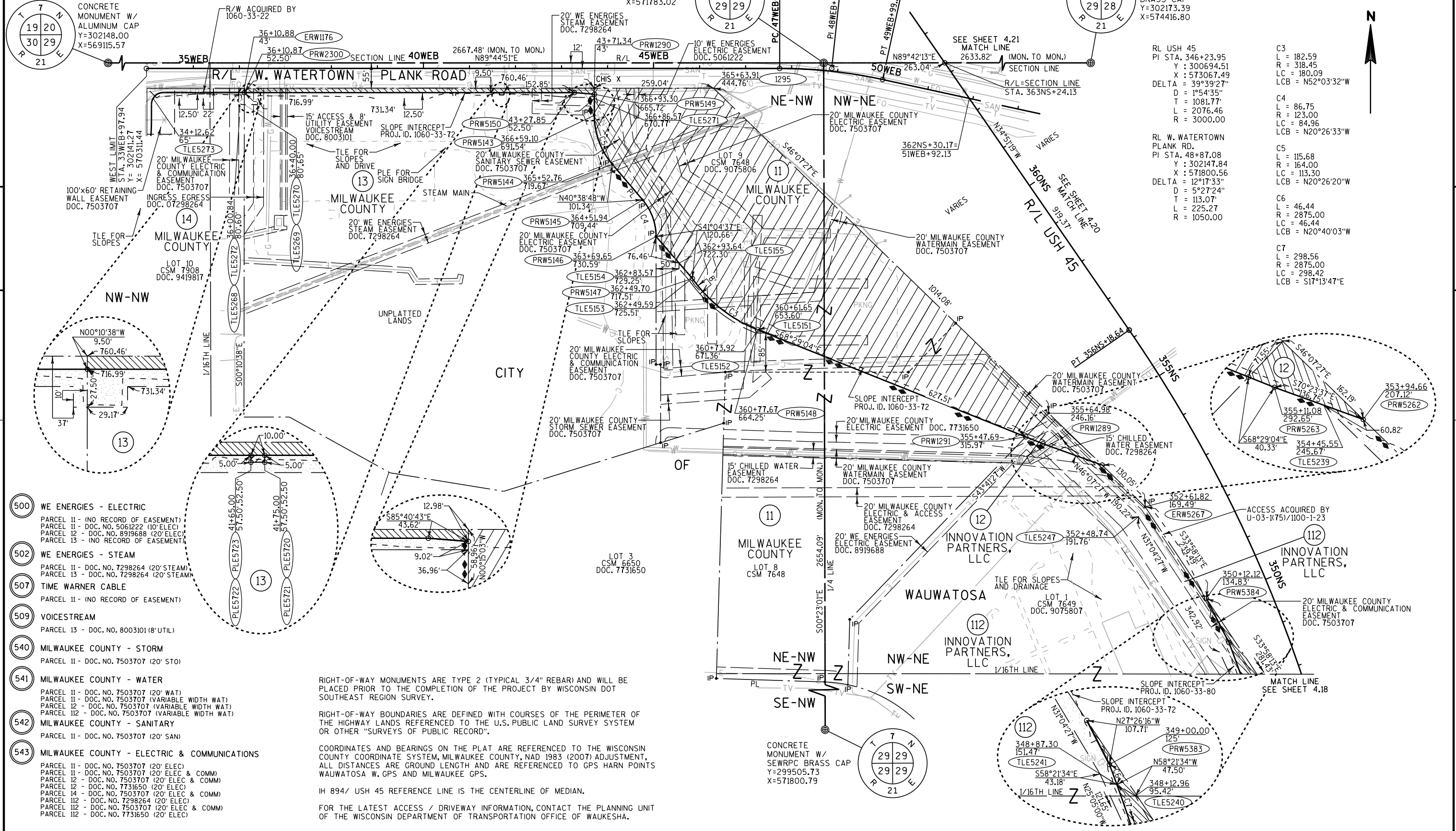
C3
L = 298.56
R = 2875.00
LC = 298.42
LCB = S17°13'47"E

C4
L = 134.17
R = 2875.00
LC = 134.15
LCB = N12°55'05"W

CONCRETE
MONUMENT W/
BRASS CAP
Y=299508.94
X=574448.90

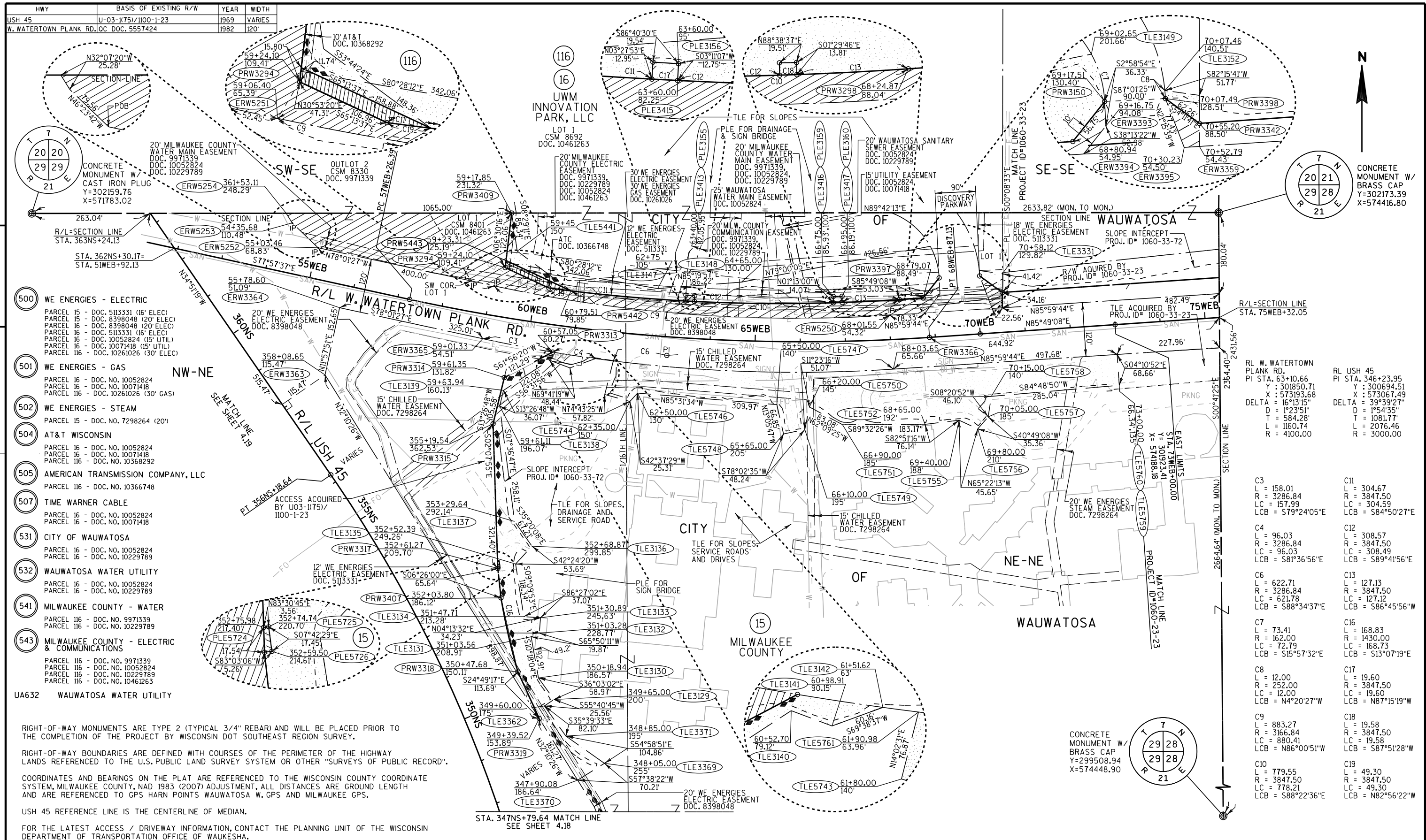
REVISION DATE AUG. 29, 2013 JAN. 17, 2014 FEB. 29, 2016	DATE MAY 28, 2013	SCALE, FEET 0 100 200	HWY: IH 894/USH 45 COUNTY: MILWAUKEE	STATE R/W PROJECT NUMBER 1060-33-25 CONSTRUCTION PROJECT NUMBER 1060-33-81	PLAT SHEET 4.18 PS&E SHEET	E
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HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
USH 45	1100-1-23 U03-1(75)	1969	VARIES
WATERTOWN PLANK RD	CT-03-1(73)	1967	VARIES
WATERTOWN PLANK RD	Q.C. DOC. 3745778	1959	55' SOUTH



REVISION DATE	OCT. 15, 2012 MAY 17, 2012 JUL. 11, 2012 AUG. 15, 2012	JAN. 17, 2014 DEC. 17, 2012 FEB. 29, 2016 MAY 28, 2013 AUG. 29, 2013	DATE	FEB. 13, 2012	SCALE, FEET	0 100 200	HWY: IH 894/USH 45	STATE R/W PROJECT NUMBER 1060-33-25	PLAT SHEET 4.19	
							COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-72	PS&E SHEET	E

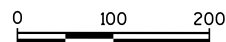
HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
USH 45	U-03-I(75)/1100-1-23	1969	VARIES
W. WATERTOWN PLANK RD.	OC DOC. 5557424	1982	120'



REVISION	DEC. 17, 2012	FEB. 29, 2016
JUL. 11, 2012	MAY 28, 2013	
AUG. 15, 2012	AUG. 29, 2013	
OCT. 15, 2012	JAN. 17, 2014	

DATE MAY 17, 2012

SCALE, FEET



HWY: IH 894/USH 45

COUNTY: MILWAUKEE

STATE R/W PROJECT NUMBER 1060-33-25

CONSTRUCTION PROJECT NUMBER 1060-33-72
1060-34-87

PLAT SHEET	4.20
------------	------

PS&E SHEET

E

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
USH 45	U 03-1(75) / 1100-1-23	1969	VARIES

RL USH 45
PI STA. 370+41.48
Y : 302749.78
X : 571636.09
DELTA = 7°49'18"
D = 0°57'03"
T = 411.88'
L = 822.49
R = 6025.00

C2
L = 286.16
R = 682.20
LC = 284.07
LCB = N39°04'14"W

C3
L = 353.02
R = 355.50
LC = 338.69
LCB = S38°42'46"E

502 WE ENERGIES - STEAM
PARCEL 16 - DOC. NO. 7298264

CONCRETE
MONUMENT W/
ALUMINUM CAP
Y=302148.00
X=569115.57

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

COORDINATES AND BEARINGS ON THE PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MILWAUKEE COUNTY, NAD 1983 (2007) ADJUSTMENT, ALL DISTANCES ARE GROUND LENGTH AND ARE REFERENCED TO GPS HARN POINTS WAUWATOSA W. GPS AND MILWAUKEE GPS.

USH 45 REFERENCE LINE IS THE CENTERLINE OF MEDIAN.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE OF WAUKESHA.

REVISION DATE	DEC. 17, 2012	FEB. 29, 2016	DATE	MAY 17, 2012	SCALE, FEET	HWY: IH 894/USH 45	STATE R/W PROJECT NUMBER 1060-33-25	PLAT SHEET	4.21
JUL. 11, 2012	MAY 28, 2013				0 100 200	COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-72	PS&E SHEET	E
AUG. 15, 2012	AUG. 29, 2013								
OCT. 15, 2012	JAN. 17, 2014								

FILE NAME : W:\Plots\1060-33-25 (IH 894 USH 45)\cads\040421_RP.dgn

PLOT DATE : 29-FEB-2016 11:13

PLOT BY : MSCCK

PLOT NAME :

PLOT SCALE : 200:1

R/W 1060-33-25 4.21

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
USH 45	U 03-1175) / 1100-1-23	1969	VARIES
SWAN BLVD.	CSM 8330	2010	60' SOUTH
SWAN BLVD.	CSM 7634	2005	VARIES
SWAN BLVD.	CT-03-1175)	1967	80'

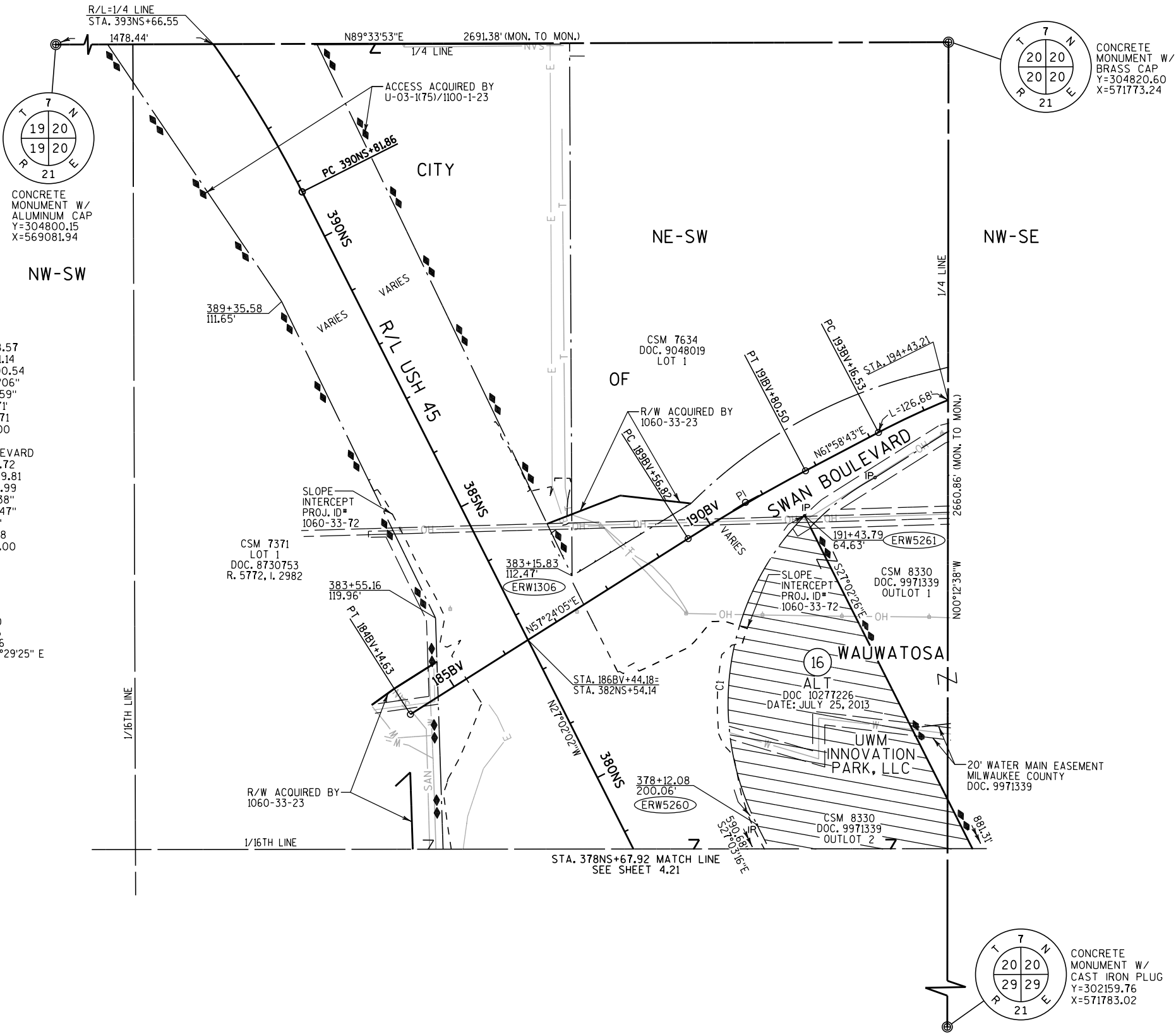
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USH 45 REFERENCE LINE IS THE CENTERLINE OF MEDIAN.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE OF WAUKESHA.



REVISION DATE	DEC. 17, 2012	FEB. 29, 2016	DATE	MAY 17, 2012	SCALE, FEET	0 100 200	HWY: IH 894/USH 45	STATE R/W PROJECT NUMBER 1060-33-25	PLAT SHEET 4.22	
JUL. 11, 2012	MAY 28, 2013						COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-72	PS&E SHEET	E
AUG. 15, 2012	AUG. 29, 2013									
OCT. 15, 2012	JAN. 17, 2014									

FILE NAME : W:\Plots\1060-33-25 (IH 894 USH 45)\cads\040422.RP.dgn

PLOT DATE : 29-FEB-2016 11:13

PLOT BY : MSCCK

PLOT NAME :

PLOT SCALE : 200:1

88
R/W 1060-33-25 4.22

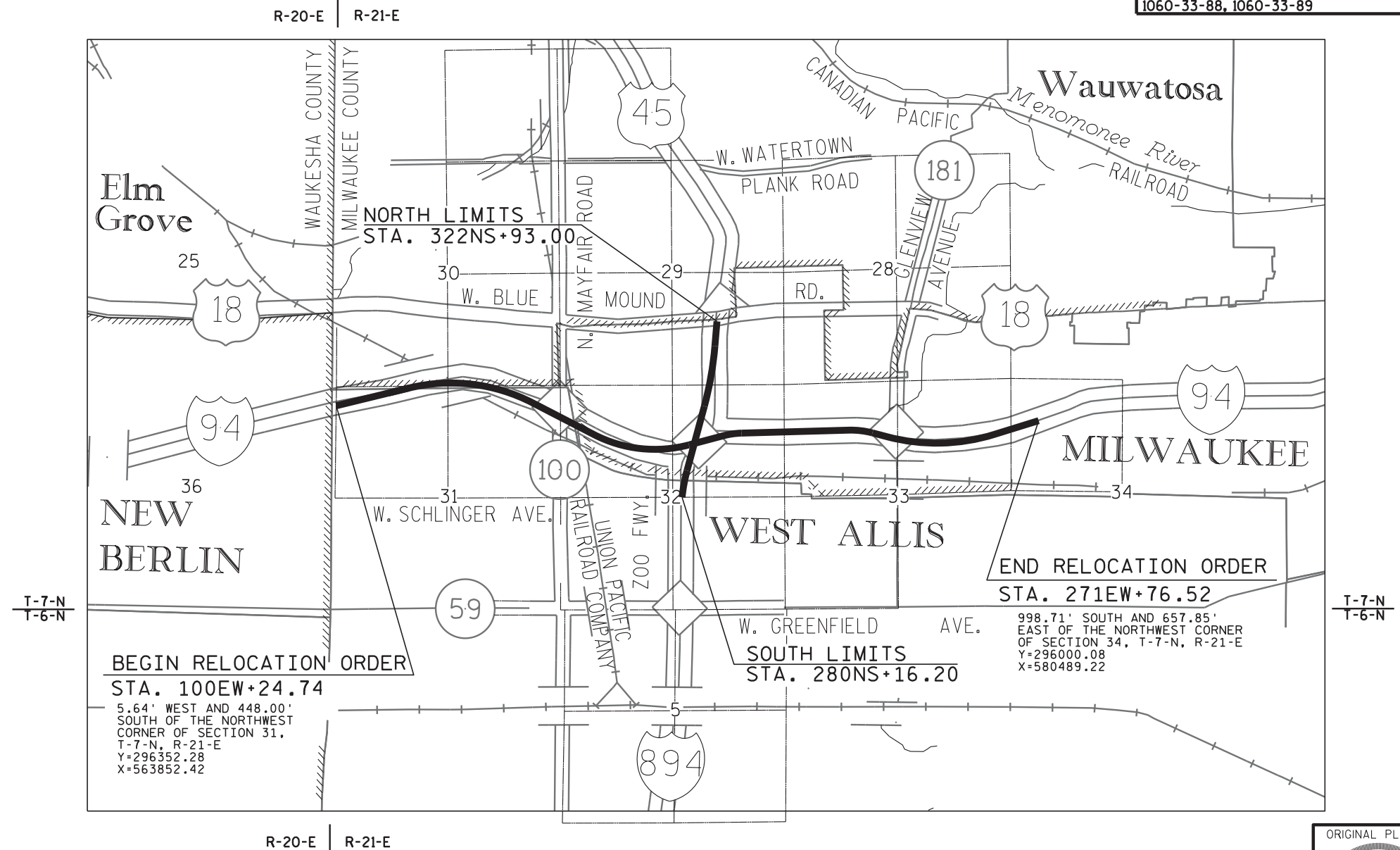
R/W PROJECT NUMBER 1060-33-24	SHEET NUMBER	TOTAL SHEETS
FEDERAL PROJECT NUMBER	4.01	
PLAT OF RIGHT-OF-WAY REQUIRED FOR IH 94 (S. 124TH STREET - S. 70TH STREET) IH 94 MILWAUKEE CO.		
CONSTRUCTION PROJECT NUMBER 1060-33-75, 1060-33-78, 1060-33-81, 1060-33-86, 1060-33-88, 1060-33-89		

<u>CONVENTIONAL</u>		<u>ABBREVIATIONS</u>	
ACCESS POINT/	AP	REFERENCE LINE	R/L
DRIVEWAY CONNECTION		RELEASE OF RIGHTS	ROR
ACCESS RIGHTS	AR	REMAINING	REM
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET. AL.	SECTION	SEC.
BUILDING	B	STATION	STA.
CENTERLINE	C/L	TEMPORARY LIMITED EASEMENT	TLE
CERTIFIED SURVEY MAP	CSM	VOLUME	V.
CORNER	COR.		
DOCUMENT	DOC.		
EASEMENT	EASE.	LONG CHORD	LCH
HIGHWAY EASEMENT	H.E.	LONG CHORD BEARING	LCB
IMAGE	I	RADIUS	R
LAND CONTRACT	LC	DEGREE OF CURVE	D
MONUMENT	MON.	CENTRAL ANGLE OR DELTA	DELTA
PAGE	P.	LENGTH OF CURVE	L
PERMANENT LIMITED EASEMENT	PLE	TANGENT	TAN
PROPERTY LINE	PL		
RECORDED AS	(100')		
REEL	R		

CONVENTIONAL SYMBOLS	
FOUND IRON PIPE/PIN	LP (IF UNLESS NOTED)
R/W MONUMENT	PROPOSED R/W LINE EXISTING H.E. LINE
R/W STANDARD	PROPERTY LINE
SIGN	LOT & TIE LINES SLOPE INTERCEPTS
SECTION CORNER MONUMENT	SLOPE INTERCEPTS
SECTION CORNER SYMBOL	CORPORATE LIMITS
FEE (HATCH VARIES)	ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)
TEMPORARY LIMITED EASEMENT	ACCESS RESTRICTED (BY ACQUISITION)
PERMANENT LIMITED EASEMENT	NO ACCESS (BY STATUTORY AUTHORITY)
R/W BOUNDARY POINT	SECTION LINE
PARCEL NUMBER	QUARTER LINE
UTILITY PARCEL NUMBER	SIXTEENTH LINE
SIGN NUMBER (OFF PREMISE)	EXISTING CENTERLINE
BUILDING	PROPOSED REFERENCE LINE PARALLEL OFFSET

CONVENTIONAL UTILITY SYMBOLS

WATER	— W —	
GAS	— G —	
TELEPHONE	— T —	
OVERHEAD TRANSMISSION LINES ELECTRIC	— OH —	
CABLE TELEVISION	— E —	
FIBER OPTIC	— TV —	
SANITARY SEWER	— FO —	
STORM SEWER	— SAN —	
	— SS —	
	NON	
	COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		
ELECTRIC TOWER		



NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MILWAUKEE COUNTY ZONE, NAD83 (2007) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

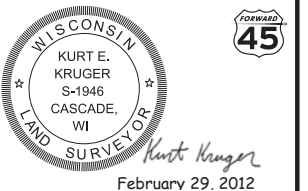
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4 " REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS.

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, EXCLUDING RIGHT-OF-WAY LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

THE HIGH ACCURACY REFERENCE NETWORK (HARN) POINTS USED ON PROJECT WERE:

- 1) MILWAUKEE GPS
- 2) WAUWATOSA W. GPS

ORIGINAL PLAT PREPARED BY:



REVISION DATE

MAY 23 2012
JULY 11, 2012
SEPTEMBER 28, 2012
DECEMBER 17, 2012
APRIL 17, 2013
AUGUST 29, 2013
JANUARY 17, 2014
APRIL, 24 2014

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED FOR THE DEPARTMENT

DATE: Feb. 29, 2012

DEPARTMENT
Robert A. Duffek
(Signature)

39

E

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

* DENOTES AREA COMPUTED

PROJECT FUNDING I.D.	PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W REQUIRED (ACRES)			TOTAL REMAINING ACRES	TLE ACRES	PLE ACRES	HE ACRES	PARCEL NUMBER
1060-33-24	1	4.18	JOSEPH R. McGAVER	FEE	0.446	0.446		0.446	0.000				1
1060-33-24	2(4)	4.13,4.14	UNION PACIFIC RAILROAD COMPANY	HE,TLE	VAST				VAST	10.262		1.329	2(4)
1060-33-24	3(2)	4.13	MILWAUKEE COUNTY	FEE	0.468	0.468		0.468	0.000				3(2)
1060-33-24	4(2)	4.13,4.14	MILWAUKEE COUNTY	TLE	VAST				VAST	0.170			4(2)
1060-33-24	5(6)	4.11-4.15	WISCONSIN DEPARTMENT OF NATURAL RESOURCES	HE,PLE,TLE	VAST				VAST	0.375	1.843	1.036	5(6)
1060-33-24	6(2)	4.14	GUIFFRE V, LLC	PLE	4.930				4.930		0.223		6(2)
1060-33-24	7(2)	4.14	FMC610, LLC	PLE	1.806*				1.806		0.079		7(2)
1060-33-24	8(2)	4.14	WAREHOUSE INVESTMENTS, CO.	PLE	4.651				4.651		0.112		8(2)
1060-33-24	10(4)	4.20,4.21	PETTIT NATIONAL ICE CENTER	FEE,PLE,TLE	9.586	0.111		0.111	9.475	0.374	0.146		10(4)
1060-33-24	11(4)	4.21-4.23	WISCONSIN STATE FAIR BOARD	FEE,PLE,TLE	36.210	1.945		1.945	34.265	0.986	0.125		11(4)
1060-33-24	12(4)	4.23	KEITH C. VOGEL	TLE	0.078				0.078	0.003			12(4)
1060-33-24	13(4)	4.23	NICHOLAS R. JULGA	TLE	0.158				0.158	0.008			13(4)
1060-33-24	14(4)	4.23	FEDERAL HOME LOAN MORTGAGE CORPORATION	TLE	0.090				0.090	0.014			14(4)
1060-33-24	15(4)	4.20	MILWAUKEE COUNTY	FEE,PLE,TLE	3.468	0.178		0.178	3.290	0.203	0.731		15(4)
1060-33-24	16(6)	4.19,4.20	THE ESTATE OF THE ARCHDIOCESE OF MILWAUKEE	FEE	15.839	1.251		1.251	14.588				16(6)
1060-33-24	17(6)	4.17	MARY E. DUNLAP	FEE	0.184	0.007		0.007	0.177				17(6)
1060-33-24	18(7)	4.17	HYAESUNG MIN KIM	FEE,TLE	0.309	0.001		0.001	0.308	0.029			18(7)
1060-33-24	19(7)	4.17	KEITH L. STAMM & SHARON L. STAMM HW	FEE,TLE	0.096	0.001		0.001	0.095	0.006			19(7)
1060-33-24	20(7)	4.17	TAM ARA W WEISS	FEE,TLE	0.091	14SqFt		14SqFt	0.091	0.006			20(7)
1060-33-24	21(7)	4.17	AGNES & CHARLES F BURKHALTER	TLE	0.088				0.088	0.006			21(7)
1060-33-24	22(7)	4.17,4.18	JACQUELINE L. SYDLO	TLE	0.085				0.085	0.006			22(7)
1060-33-24	23(8)	4.18	PAUL E. & LISA M REGALADO	TLE	0.099				0.099	0.007			23(8)
1060-33-24	24(8)	4.18	JESSICA M. THIELEN	TLE	0.088				0.088	0.006			24(8)
1060-33-24	25(7)	4.18	MEGAN HANSBURG	TLE	0.096				0.096	0.009			25(7)
1060-33-24	26(7)	4.18	KAAN SAMLANESOUK	TLE	0.091				0.091	0.008			26(7)
1060-33-24	27(7)	4.18	CONSETTA TORGERSON	TLE	0.176				0.176	0.015			27(7)
1060-33-24	28(7)	4.18	THOMAS N. & GEORGIA L. DOLLHOPF	TLE	0.080				0.080	0.008			28(7)
1060-33-24	29(6)	4.18	FRANCISCA GARZA-KRAUSE	TLE	0.076				0.076	0.005			29(6)
1060-33-24	30(3)	4.12-4.17	WISCONSIN ELECTRIC POWER COMPANY (WEPCO)	FEE,TLE	VAST	17.689	14.558	32.247	VAST	0.192			30(3)
1060-33-24	31(7)	4.18	JAMES J. & KIMBERLY R. ZEMAN	TLE	0.096				0.096	0.009			31(7)
1060-33-24	32(7)	4.18	WI HOUSING ECONOMIC DEVELOPMENT AUTHORITY	TLE	0.088				0.088	0.007			32(7)
1060-33-24	33(7)	4.18	KOSTA PAGOULATOS	TLE	0.127				0.127	0.011			33(7)
1060-33-24	34(6)	4.18	ROCCO J ADORNATO ET AL	TLE	0.241				0.241	0.013			34(6)
1060-33-24	35(6)	4.18	MELINDA & ELLY SMYCZEK	TLE	0.182				0.182	0.009			35(6)
1060-33-24	36(6)	4.18	JESSE J. HOUTLER	TLE	0.200				0.200	0.009			36(6)
1060-33-24	37(6)	4.18	BENJAMIN R. KOEHLER	TLE	0.200				0.200	0.003			37(6)
1060-33-24	38(7)	4.18	DENNIS F. & JUDITH M. MILLER	TLE	0.091				0.091	0.008			38(7)

REVISION DATE MAY 23, 2012 JULY 11, 2012 SEP. 28, 2012	DEC. 17, 2012 APR. 17, 2013 AUG. 29, 2013 JAN. 17, 2014	APRIL 24, 2014	DATE FEB. 29, 2012		HWY: IH 94	STATE R/W PROJECT NUMBER 1060-33-24	PLAT SHEET 4.02	
					COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-81	PS&E SHEET	

SCHEDULE OF LANDS & INTERESTS REQUIRED

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* DENOTES AREA COMPUTED

PROJECT FUNDING I.D.	PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W REQUIRED (ACRES)			TOTAL REMAINING ACRES	TLE ACRES	PLE ACRES	HE ACRES	PARCEL NUMBER
						NEW	EXISTING	TOTAL					
1060-33-24	39(7)	4.18	FAITH UNITED METHODIST CHURCH, INC	TLE	0.201				0.201	0.016			39(7)
1060-33-25	40(6)	4.18	FAITH UNITED METHODIST CHURCH, INC	TLE	0.294				0.294	0.003			40(6)
1060-33-24	41(6)	4.18	DANIEL J GLEASON	FEE, TLE	0.161	0.007		0.007	0.154	0.011			41(6)
1060-33-24	42(6)	4.18	JACOB & KATHLEEN E SCEPANSKI	FEE, TLE	0.121	0.009		0.009	0.112	0.012			42(6)
1060-33-24	43(6)	4.18	JENNIFER L FEATHER	FEE, TLE	0.121	0.005		0.005	0.116	0.005			43(6)
1060-33-24	44(7)	4.18	PETER A KORNACKI & CRYSTAL GANS	FEE, PLE, TLE	0.121	0.002		0.002	0.119	0.006	0.002		44(7)
1060-33-24	45(7)	4.18	BRIANNA E SIEVERT	PLE, TLE	0.121				0.121	0.008	0.003		45(7)
1060-33-24	46(7)	4.18	JAYESHKUMAR B PATEL	TLE	0.143				0.143	0.012			46(7)
1060-33-24	47(7)	4.18	KEVIN W & ANGELA GLASESKE	PLE, TLE	0.143				0.143	0.024	0.008		47(7)
1060-33-24	48(6)	4.18	PRESTON L & RUTH S MCLEAN	TLE	0.337				0.337	0.034			48(6)
1060-33-24	49(7)	4.18	RUSSELL STEINKE	TLE	0.141				0.141	0.063			49(7)
1060-33-24	50(6)	4.18	RICHARD J BATTIOLA & DANIEL J BATTIOLA	FEE, TLE	0.460	0.039		0.039	0.421	0.029			50(6)
1060-33-24	51(7)	4.18, 4.19	GENEVA EXCHANGE FUND I, LLC	FEE, PLE, TLE	3.161	0.084		0.084	3.077	0.177	0.275		51(7)
1060-33-24	52(7)	4.19	GENEVA OFFICE EXCHANGE V, LLC, ET AL	FEE, PLE, TLE	6.945	0.537		0.537	6.408	0.496	0.060		52(7)
1060-33-24	53(7)	4.19	GENEVA HC2X XXII LLC	FEE, PLE, TLE	7.662	0.886		0.886	6.776	0.426	0.083		53(7)
1060-33-24	54(7)	4.18, 4.19	JAMES BLACK	TLE	0.176				0.176	0.014			54(7)
1060-33-24	55(6)	4.19	ROBERT M. & SABINE M. KOSANKE	TLE	0.200				0.200	0.003			55(6)
1060-33-25	56(7)	4.18	THOMAS A & KAREN L THIELKE	TLE	0.088				0.088	0.007			56(7)
1060-33-24	57(6)	4.19	JOHN M. HUBATCH	TLE	0.130				0.130	0.003			57(6)
1060-33-24	58(6)	4.19	AUGUST F. & JUDITH R. DASCENZO	TLE	0.115				0.115	0.003			58(6)
1060-33-24	60(7)	4.19	DEAN & PEGGY KUSIK	TLE	0.153				0.153	0.005			60(7)
1060-33-24	61(6)	4.19	BRANDON T LINDEMAN	TLE	0.103				0.103	18SqFt			61(6)
1060-33-24	62(6)	4.19	MARK R. MONTY	TLE	0.200				0.200	0.002			62(6)
1060-33-24	64(6)	4.19	GREG S .MATZEK	TLE	0.093				0.093	0.002			64(6)
1060-33-24	65(6)	4.19	JOHN GRIEB	TLE	0.093				0.093	0.002			65(6)
1060-33-24	66(7)	4.19	FREDRICK J MELK	TLE	0.182				0.182	0.002			66(7)
1060-33-24	67(6)	4.20	ERIC R. GERMERSHAUSEN	TLE	0.080				0.080	12Sqft			67(6)
1060-33-24	68(6)	4.19	DAWN SCHLECHTA	TLE	0.103				0.103	0.002			68(6)
1060-33-24	69(7)	4.17	WISCONSIN BELL INC	PLE, TLE	7.554				7.554	0.027	0.130		69(7)
1060-33-24	70(7)	4.20, 4.21	TRUSTEES OF MILWAUKEE BOY SCOUT FUND	FEE, TLE	1.227	0.177		0.177	1.050	0.070			70(7)
1060-33-24	71(7)	4.20	CITY OF MILWAUKEE, FIRE-HOUSE	TLE	0.799				0.799	0.030			71(7)
1060-33-24	72(7)	4.21	GEBHARD LIMITED PARTNERSHIP	TLE	0.230				0.230	0.041			72(7)
1060-33-24	73(6)	4.10	JHF INVESTMENTS II, LLC	PLE	1.182				1.182		0.193		73(6)

REVISION DATE AUG. 29, 2013 JAN. 17, 2014 APRIL 24, 2014	DATE APR. 17, 2013		HWY: IH 94	STATE R/W PROJECT NUMBER 1060-33-24	PLAT SHEET 4.03	E
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-81	PS&E SHEET	

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

* DENOTES AREA COMPUTED

PROJECT FUNDING I.D.	PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W REQUIRED (ACRES)			TOTAL REMAINING ACRES	TLE ACRES	PLE ACRES	HE ACRES	PARCEL NUMBER
						NEW	EXISTING	TOTAL					
1060-33-24	74(6)	4.12	AMERICAN TRANSMISSION COMPANY	FEE	16.797	0.329		0.329	16.468				74(6)
1060-33-24	75(6)	4.16	MOTHS FAMILY LTD PTN	FEE, PLE	6.399	0.029		0.029	6.370		0.235		75(6)
1060-33-24	76(6)	4.16	WISCONSIN MONTESSORI SOCIETY INC	FEE, PLE	4.792	0.452		0.452	4.340		0.095		76(6)
1060-33-24	77(8)	4.16	ST THERESE CONGREGATION	FEE, TLE	4.231	0.936		0.936	3.295	0.121			77(8)
1060-33-24	78(7)	4.15	SHIRLEY KEWAN	FEE, TLE	1.819	0.005		0.005	1.814	0.011			78(7)
1060-33-24	79(6)	4.10	MILWAUKEE COUNTY	PLE	39.558				39.558		0.346		79(6)
1060-33-24	80(7)	4.19	MARK W. & MARIA MCCUTCHIN	TLE	0.132				0.132	0.010			80(7)
1060-33-24	81(9)	4.20	ELIMINATED										81(9)
1060-33-24	82(7)	4.20	CITY OF MILWAUKEE	FEE, TLE	0.546	0.053		0.053	0.493	0.054			82(7)
1060-33-24	83(7)	4.20	JOSEPH T RYERSON & SON, INC	TLE	15.403				15.403	0.015			83(7)
1060-33-24	84(7)	4.20	PUBLIC STORAGE INC	FEE, TLE	3.815	0.001		0.001	3.814	0.007			84(7)
1060-33-24	85(7)	4.17	EDWARD G DIESCH	TLE	0.138				0.138	0.006			85(7)
1060-33-24	86(7)	4.18	KEVIN F HUGHES	TLE	0.143				0.143	0.015			86(7)
1060-33-24	87(7)	4.18	STEPHANIE L SHANNON	PLE, TLE	0.121				0.121	0.008	0.003		87(7)
1060-33-24	104(8)	4.13-4.16	MILWAUKEE COUNTY	FEE, HE, PLE, TLE	175.776	8.056		8.056	167.720	0.919	0.686	0.037	104(8)
1060-33-24	110(7)	4.20	PETTIT NATIONAL ICE CENTER	FEE, TLE	9.475	0.021		0.021	9.454	0.023			110(7)
1060-33-24	111(7)	4.20	WISCONSIN STATE FAIR BOARD	FEE, TLE	34.265	0.008		0.008	34.257	0.023			111(7)
1060-33-24	130(5)	4.14, 4.15	WISCONSIN ELECTRIC POWER COMPANY (WEPCO)	FEE, TLE	VAST	1.246		1.246	VAST	5.35			130(5)
1060-33-24	500(8)	4.11-4.22	WE ENERGIES - ELECTRIC	ROR									500(8)
1060-33-24	501(7)	4.14, 4.20, 4.21	WE ENERGIES - GAS	ROR									501(7)
1060-33-24	504(8)	4.14, 4.16, 4.18-4.22	AT&T WISCONSIN	ROR									504(8)
1060-33-24	505(7)	4.12-4.17	AMERICAN TRANSMISSION COMPANY	ROR									505(7)
1060-33-24	506(9)	4.10, 4.13-4.15, 4.20, 4.21	MILWAUKEE METROPOLITAN SEWERAGE DISTRICT	ROR									506(9)
1060-33-24	508(2)	4.13, 4.14	US SPRINT	ROR									508(2)
1060-33-24	510(8)	4.14	ELIMINATED										510(8)
1060-33-24	511(8)	4.19, 4.20	GREYWOLF - PRIVATE SEWER										511(8)
1060-33-24	521(7)	4.16, 4.18 - 4.21	CITY OF MILWAUKEE - SEWER	ROR									521(7)
1060-33-24	522(7)	4.15-4.17, 4.19-4.21	CITY OF MILWAUKEE - WATER	ROR									522(7)
1060-33-24	523(8)	4.20	CITY OF MILWAUKEE - CABLE										523(8)
1060-33-24	524(8)	4.20	CITY OF MILWAUKEE - CONDUIT										524(8)
1060-33-24	531(7)	4.11	CITY OF WAUWATOSA	ROR									531(7)
1060-33-24	540(7)	4.14	MILWAUKEE COUNTY - STORM	ROR									540(7)
1060-33-24	541(7)	4.14	MILWAUKEE COUNTY - WATER	ROR									541(7)

REVISION DATE AUG. 29, 2013 JAN. 17, 2014 APRIL 24, 2014	DATE APR. 17, 2013		HWY: IH 94	STATE R/W PROJECT NUMBER 1060-33-24	PLAT SHEET 4.04	E
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-81	PS&E SHEET	

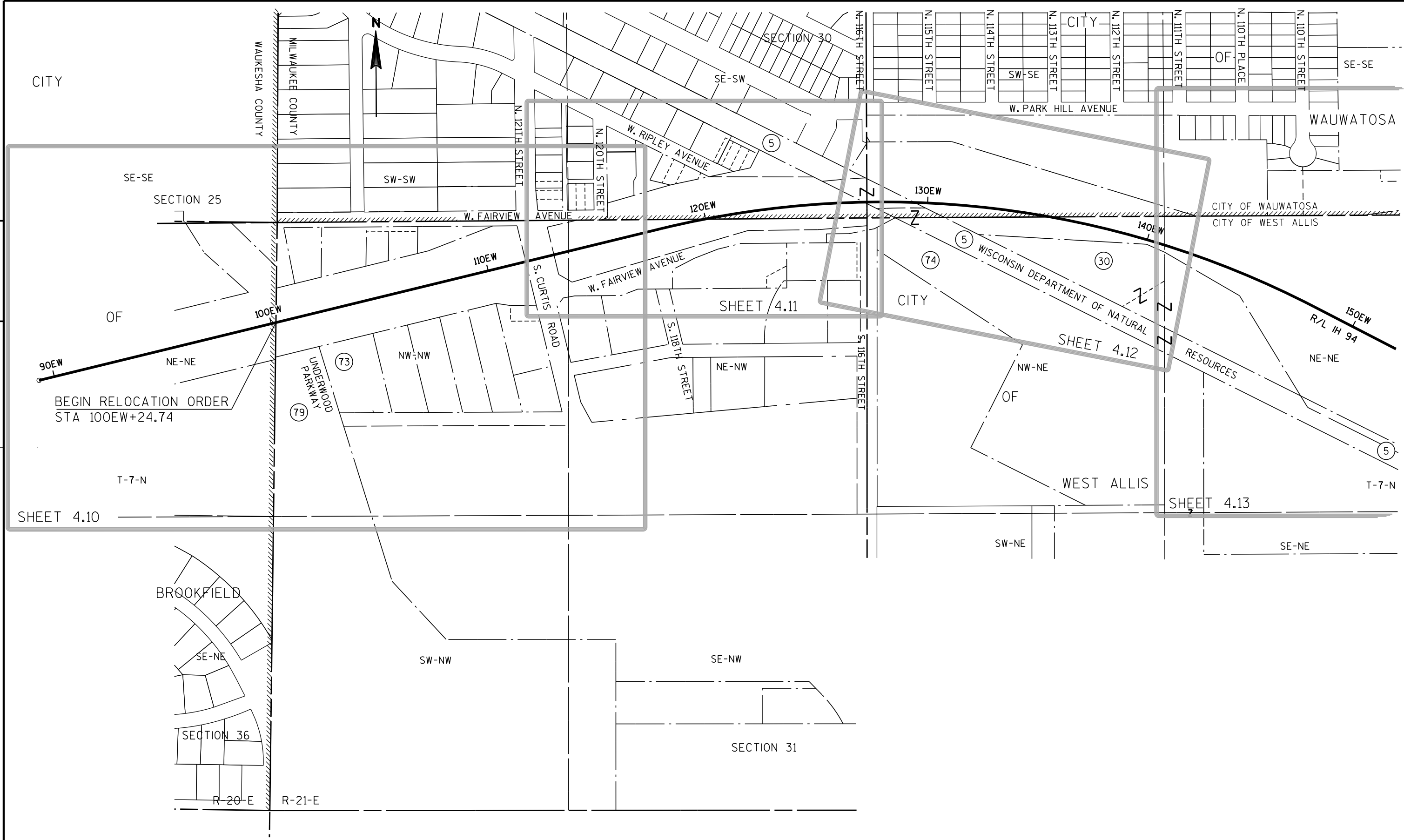
SCHEDULE OF LANDS & INTERESTS REQUIRED

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* DENOTES AREA COMPUTED

PROJECT FUNDING I.D.	PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W REQUIRED (ACRES)			TOTAL REMAINING ACRES	TLE ACRES	PLE ACRES	HE ACRES	PARCEL NUMBER
						NEW	EXISTING	TOTAL					
1060-33-24	542(7)	4.14	MILWAUKEE COUNTY - SANITARY	ROR									542(7)
1060-33-24	543(7)	4.14	MILWAUKEE COUNTY ELECTRIC & COMMUNICATIONS	ROR									543(7)
1060-33-24	553(3)	4.14	CITY OF WEST ALLIS - STORM	ROR									553(3)
1060-33-24	UA631(7)	4.11	CITY OF WAUWATOSA	UTILITY AGREEMENT									UA631(7)
1060-33-24	UA641(8)	4.16-4.23	CITY OF MILWAUKEE - SEWER	UTILITY AGREEMENT									UA641(8)
1060-33-24	UA642(8)	4.16-4.23	CITY OF MILWAUKEE - WATER	UTILITY AGREEMENT									UA642(8)
1060-33-24	UA643(8)	4.18-4.23	CITY OF MILWAUKEE - CABLE	UTILITY AGREEMENT									UA643(8)
1060-33-24	UA644(8)	4.18-4.23	CITY OF MILWAUKEE - CONDUIT	UTILITY AGREEMENT									UA644(8)
1060-33-24	UA652(7)	4.11	CITY OF WEST ALLIS - SANITARY	UTILITY AGREEMENT									UA652(7)

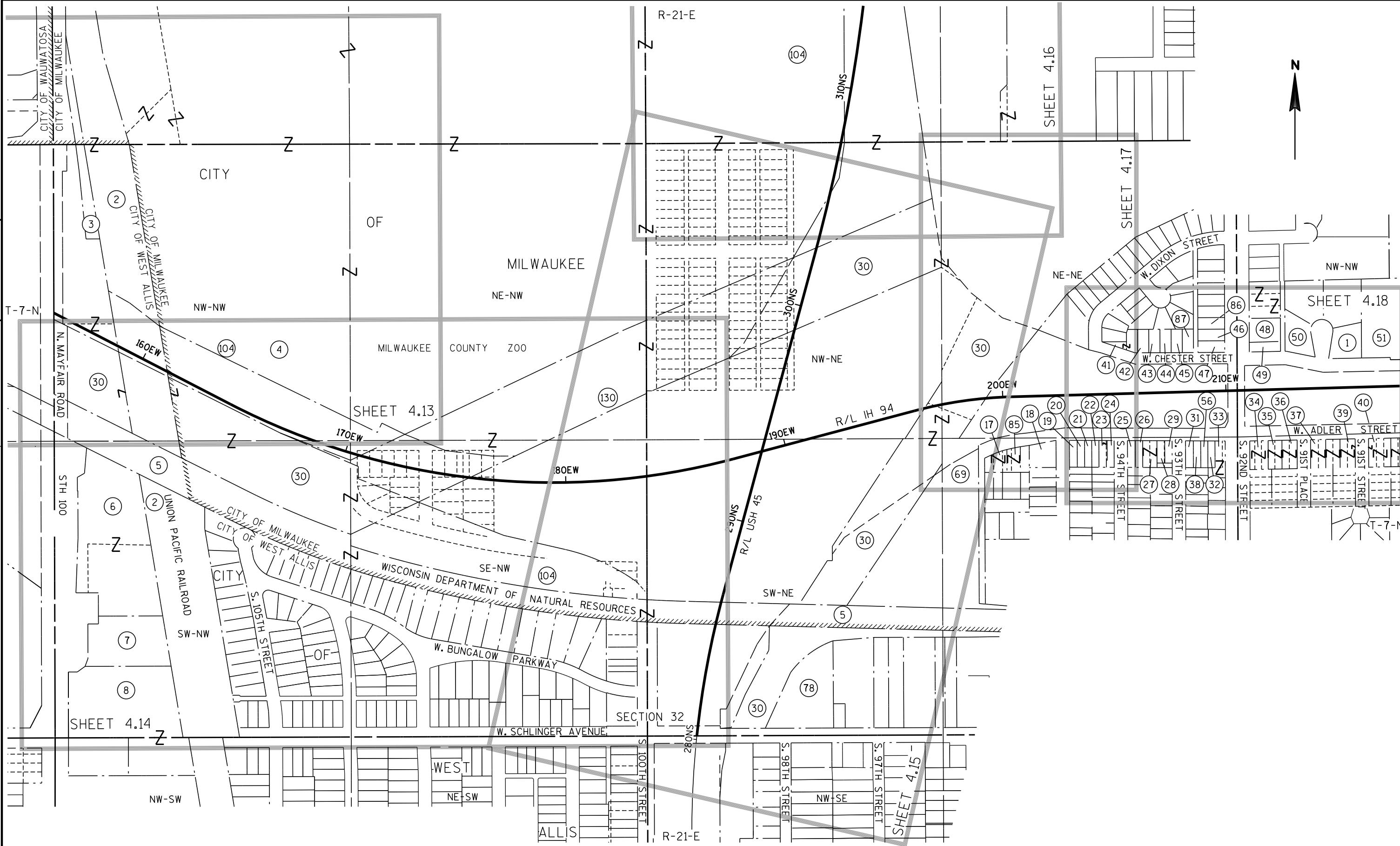
REVISION DATE JAN. 17, 2014 APRIL 24, 2014	DATE AUG. 29, 2013		HWY: IH 94	STATE R/W PROJECT NUMBER 1060-33-24	PLAT SHEET 4.05	E
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-81	PS&E SHEET	



REVISION DATE JULY 11, 2012 SEP. 28, 2012 DEC. 17, 2012	APR. 17, 2013 AUG. 29, 2013 JAN. 17, 2014 APRIL 24, 2014	DATE MAY 23, 2012		SCALE, FEET 0 200 400	HWY: IH 94	STATE R/W PROJECT NUMBER 1060-33-24	PLAT SHEET 4.06	E
					COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-81	PS&E SHEET	

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REVISION DATE MAY 23, 2012 JULY 11, 2012 SEP. 28, 2012	DATE FEB. 29, 2012	SCALE, FEET 0 200 400	HWY: IH 94 COUNTY: MILWAUKEE	STATE R/W PROJECT NUMBER 1060-33-24 CONSTRUCTION PROJECT NUMBER 1060-33-81	PLAT SHEET 4.07 PS&E SHEET	E

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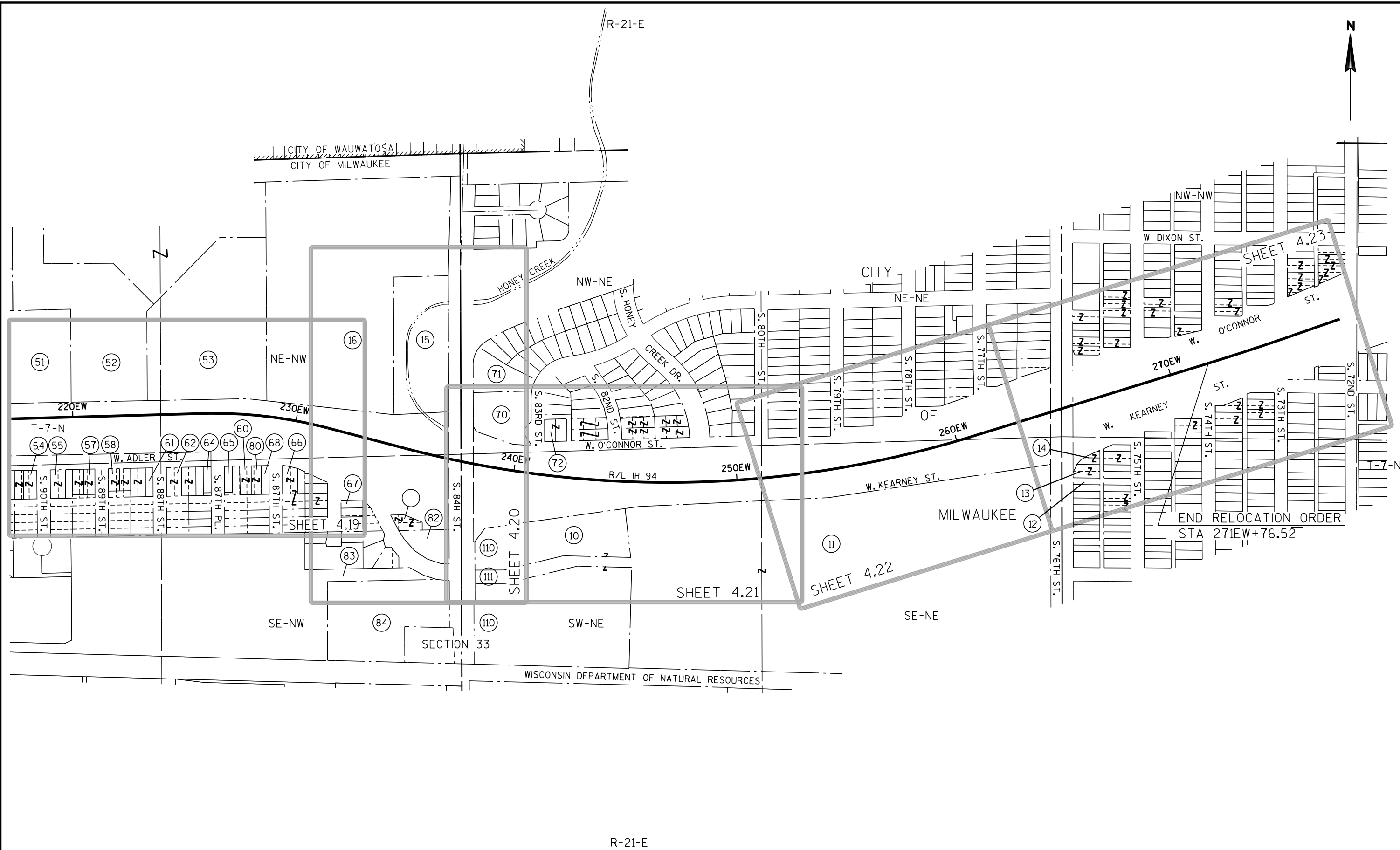
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FILE NAME : W:\P1gts\1060-33-24 (IH 94)\cdo\040408_LRL.dgn PLOT DATE : 23-APR-2014 13:57 PLOT BY : MSCCKEY PLOT NAME : PLOT SCALE : 400:1 R/W 1060-33-24 4.96

4

4



REVISION DATE MAY 23, 2012 JULY 11, 2012 SEP. 28, 2012	DATE FEB. 29, 2012	SCALE, FEET 0 200 400	HWY: IH 94	STATE R/W PROJECT NUMBER 1060-33-24	PLAT SHEET 4.09	E
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-81	PS&E SHEET	

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
IH 94	I94-4(25)301	1956	VARIES
UNDERWOOD PARKWAY	--	--	NONE
S. CURTIS ROAD	CSM 2099	--	45'
S. CURTIS ROAD	CSM 3085	1977	45'

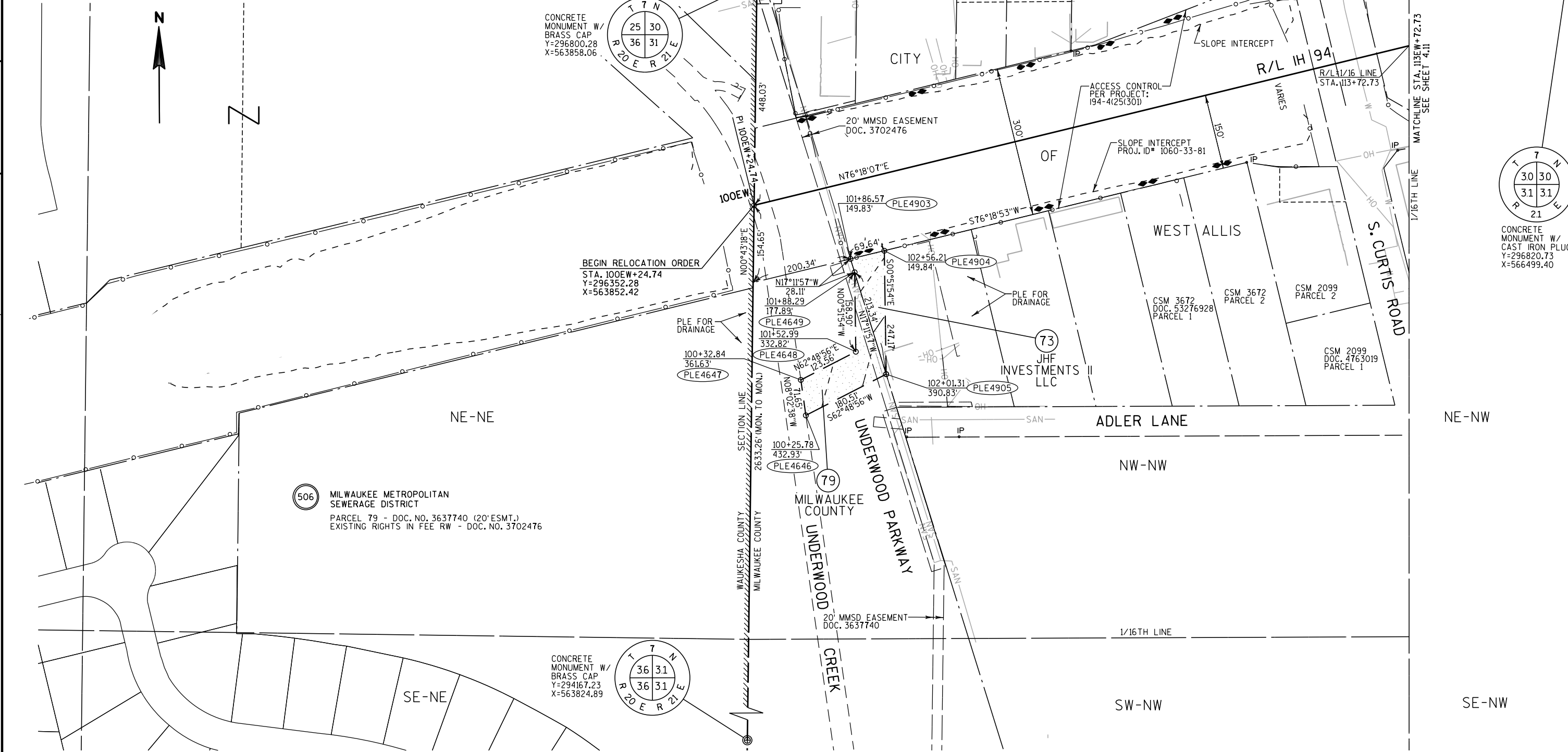
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MILWAUKEE COUNTY ZONE, NAD83 (2007) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE OF WAUKESHA.

I-94 REFERENCE LINE IS CENTERLINE OF MEDIAN.



REVISION DATE AUG. 29, 2013 JAN. 17, 2014 APRIL 24, 2014	DATE	APR. 17, 2013	SCALE, FEET	HWY: IH 94	STATE R/W PROJECT NUMBER 1060-33-24	PLAT SHEET 4.10	E
				COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-81	PS&E SHEET	

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
IH 94	I94-4(25)301	1956	VARIES
116TH STREET	BLUE MOUND VISTA	UNRECORDED	70'
116TH STREET	CSM 6954	2001	45' EAST
116TH STREET	PLAT OF SURVEY	1992	30' WEST
118TH STREET	CSM 3085	1977	60'
120TH STREET	CSM 4049	1980	60'
FAIRVIEW	BLUE MOUND VISTA 2	UNRECORDED	45' NORTH
FAIRVIEW	I94-4-(25) 301	1956	VARIES

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MILWAUKEE COUNTY ZONE, NAD83 (2007) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

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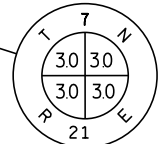
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I-94 REFERENCE LINE IS CENTERLINE OF MEDIAN.

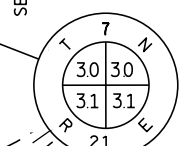
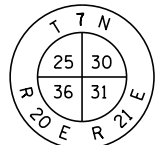
RL IH-94
PI STA. 133+71.51
Y : 297144.82
X : 567103.99
DELTA = 41°01'00"
D = 1°19'57"
T = 1608.42'
L = 3078.28'
R = 4300.00'

C1
L = 193.46
R = 3889.72
LC = 193.44
LCB = 585°28'41"W

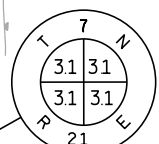


CONCRETE
MONUMENT W/
BRASS CAP
Y=299466.45
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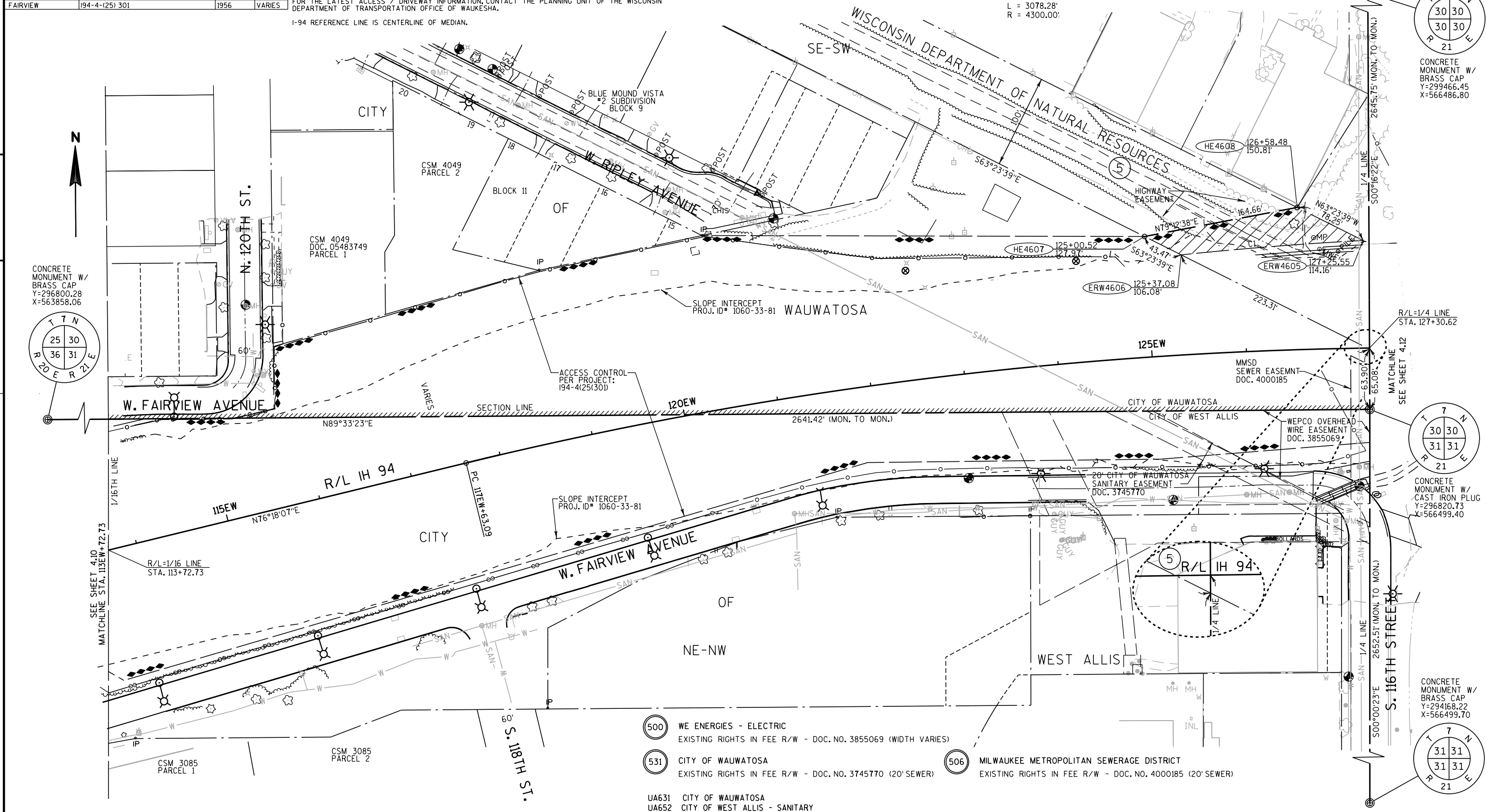
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MONUMENT W/
BRASS CAP
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X=563858.06



CONCRETE
MONUMENT W/
CAST IRON PLUG
Y=296820.73
X=566499.40



CONCRETE
MONUMENT W/
BRASS CAP
Y=294168.22
X=566499.70



- (500) WE ENERGIES - ELECTRIC
EXISTING RIGHTS IN FEE R/W - DOC. NO. 3855069 (WIDTH VARIES)
- (531) CITY OF WAUWATOSA
EXISTING RIGHTS IN FEE R/W - DOC. NO. 3745770 (20' SEWER)
- (506) MILWAUKEE METROPOLITAN SEWERAGE DISTRICT
EXISTING RIGHTS IN FEE R/W - DOC. NO. 4000185 (20' SEWER)

UA631 CITY OF WAUWATOSA
UA652 CITY OF WEST ALLIS - SANITARY

REVISION DATE AUG. 29, 2013 JAN. 17, 2014 APRIL 24, 2014	DATE APR. 17, 2013	SCALE, FEET 0 50 100	HWY: IH 94 COUNTY: MILWAUKEE	STATE R/W PROJECT NUMBER 1060-33-24 CONSTRUCTION PROJECT NUMBER 1060-33-81	PLAT SHEET 4.11 PS&E SHEET	E
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HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
IH 94	194-4(25)301	1960	VARIES
STH 100	MILWAUKEE COUNTY CODE 41.02		120'
STH 100	194-4(25)301	1960	VARIES

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MILWAUKEE COUNTY ZONE, NAD83 (2007) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

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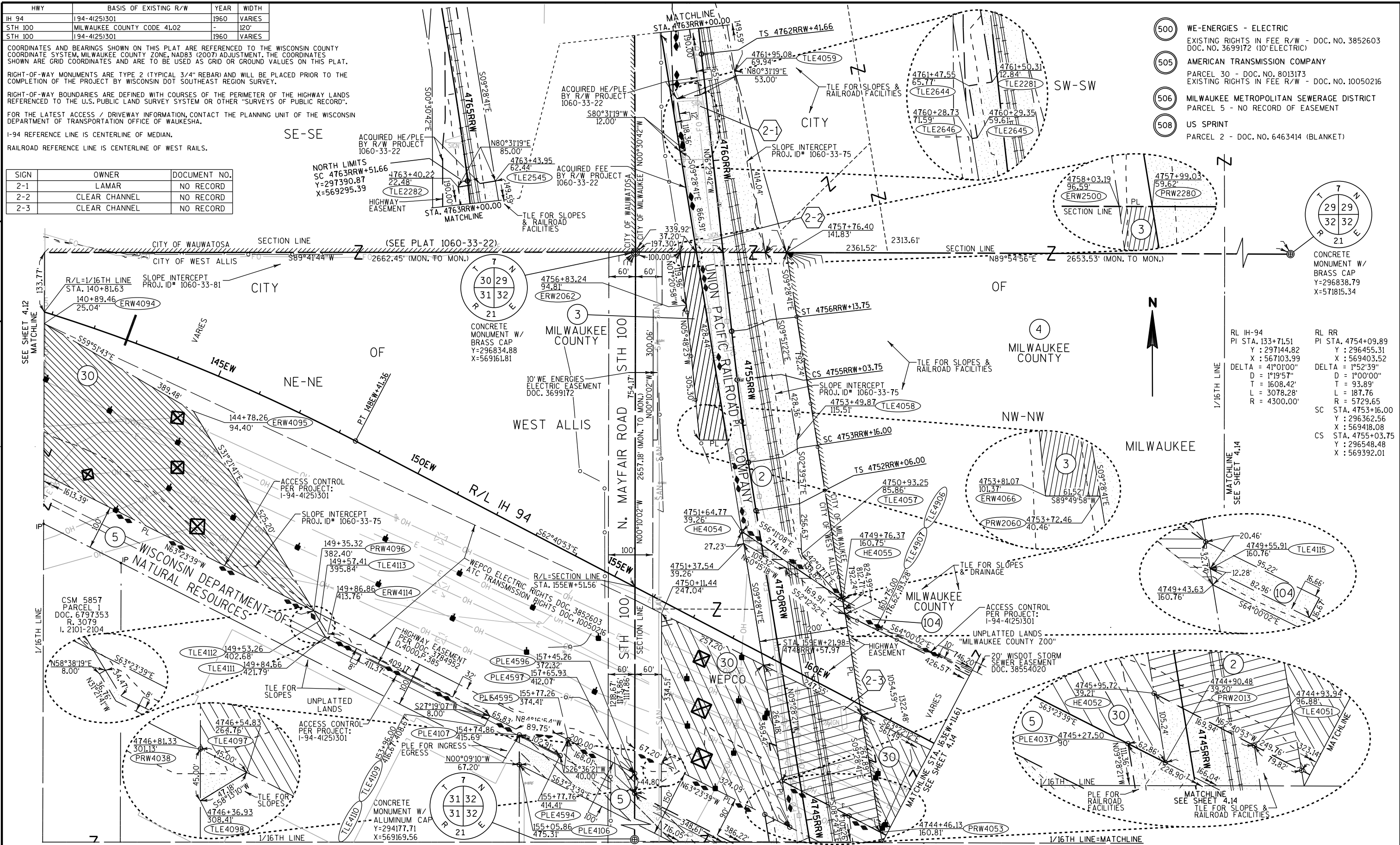
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I-94 REFERENCE LINE IS CENTERLINE OF MEDIAN.

RAILROAD REFERENCE LINE IS CENTERLINE OF WEST RAILS.

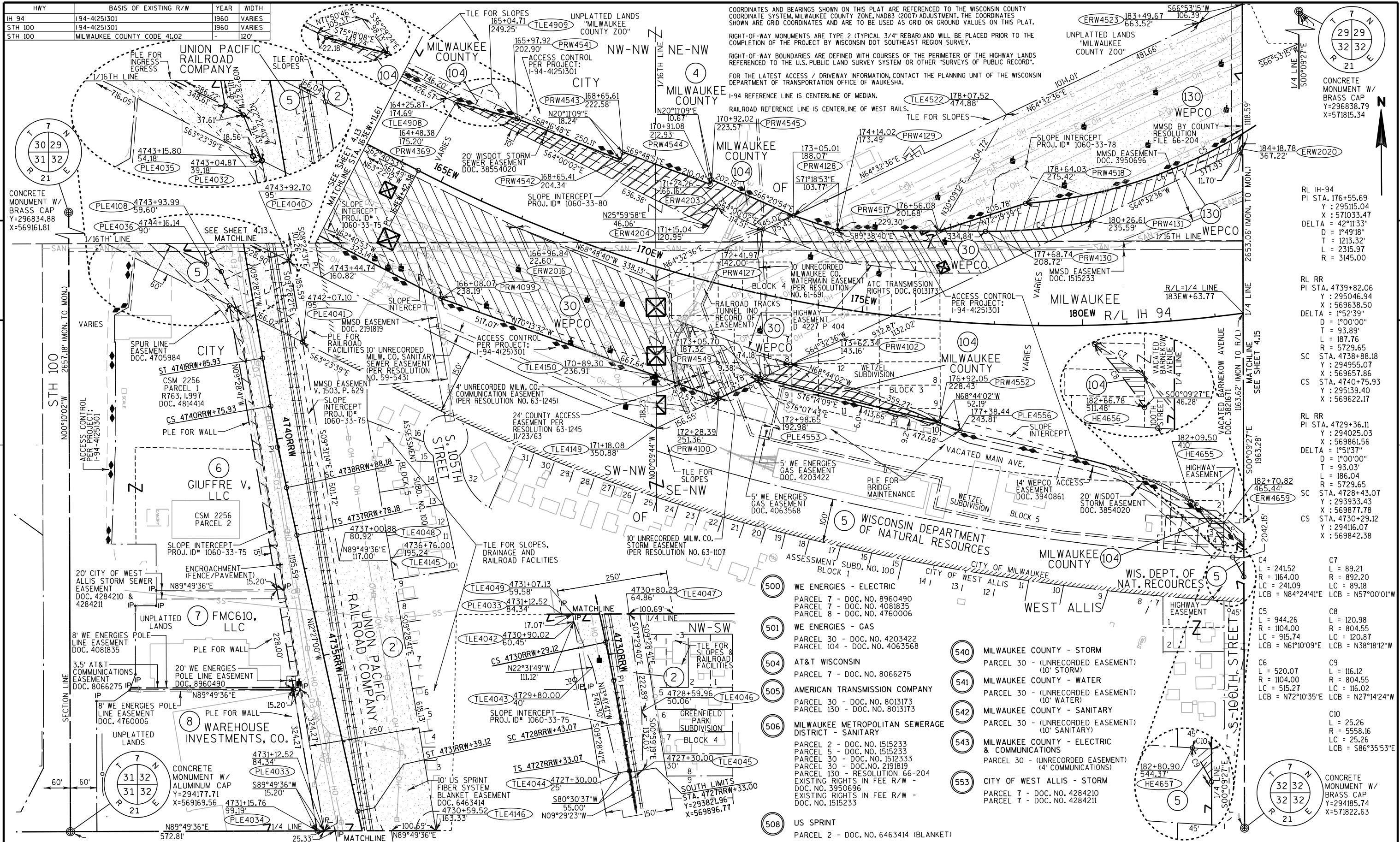
SIGN	OWNER	DOCUMENT NO.
2-1	LAMAR	NO RECORD
2-2	CLEAR CHANNEL	NO RECORD
2-3	CLEAR CHANNEL	NO RECORD



- 500 WE-ENERGIES - ELECTRIC
EXISTING RIGHTS IN FEE R/W - DOC. NO. 3852603
DOC. NO. 3699172 (10' ELECTRIC)
- 505 AMERICAN TRANSMISSION COMPANY
PARCEL 30 - DOC. NO. 8013173
EXISTING RIGHTS IN FEE R/W - DOC. NO. 10050216
- 506 MILWAUKEE METROPOLITAN SEWERAGE DISTRICT
PARCEL 5 - NO RECORD OF EASEMENT
- 508 US SPRINT
PARCEL 2 - DOC. NO. 6463414 (BLANKET)

REVISION DATE	APR. 17, 2013	DATE	MAY 23, 2012	SCALE, FEET	HWY: IH-94	STATE R/W PROJECT NUMBER	1060-33-24	PLAT SHEET	4.13
JULY 11, 2012	AUG. 29, 2013				COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER	1060-33-81 1060-33-75	PS&E SHEET	E
SEP. 28, 2012	JAN. 17, 2014								
DEC. 17, 2012	APRIL 24, 2014								

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
IH 94	194-4(25)301	1960	VARIES
STH 100	194-4(25)301	1960	VARIES
STH 100	MILWAUKEE COUNTY CODE 41.02	-	120'



REVISION DATE JULY 11, 2012 SEP. 28, 2012 DEC. 17, 2012	APR. 17, 2013 AUG. 29, 2013 JAN. 17, 2014 APRIL 24, 2014	DATE MAY 23, 2012	SCALE, FEET 0 100 200	HWY: IH 94 COUNTY: MILWAUKEE	STATE R/W PROJECT NUMBER 1060-33-24 CONSTRUCTION PROJECT NUMBER 1060-33-81 1060-33-75	PLAT SHEET 4.14 PS&E SHEET E
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HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
IH 94	194-4(41)301	1960	VARIES
IH 94	194-4(25)301	1956	VARIES
W. SCHLINGER AVE.	RESOLUTION #17977 (DOC. 4837728)	1974	66'

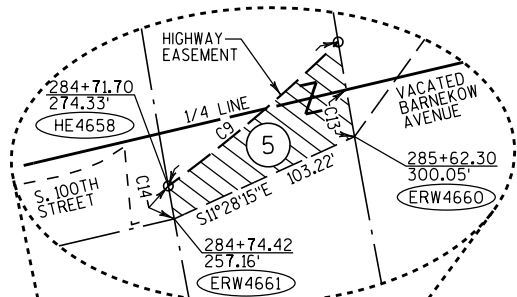
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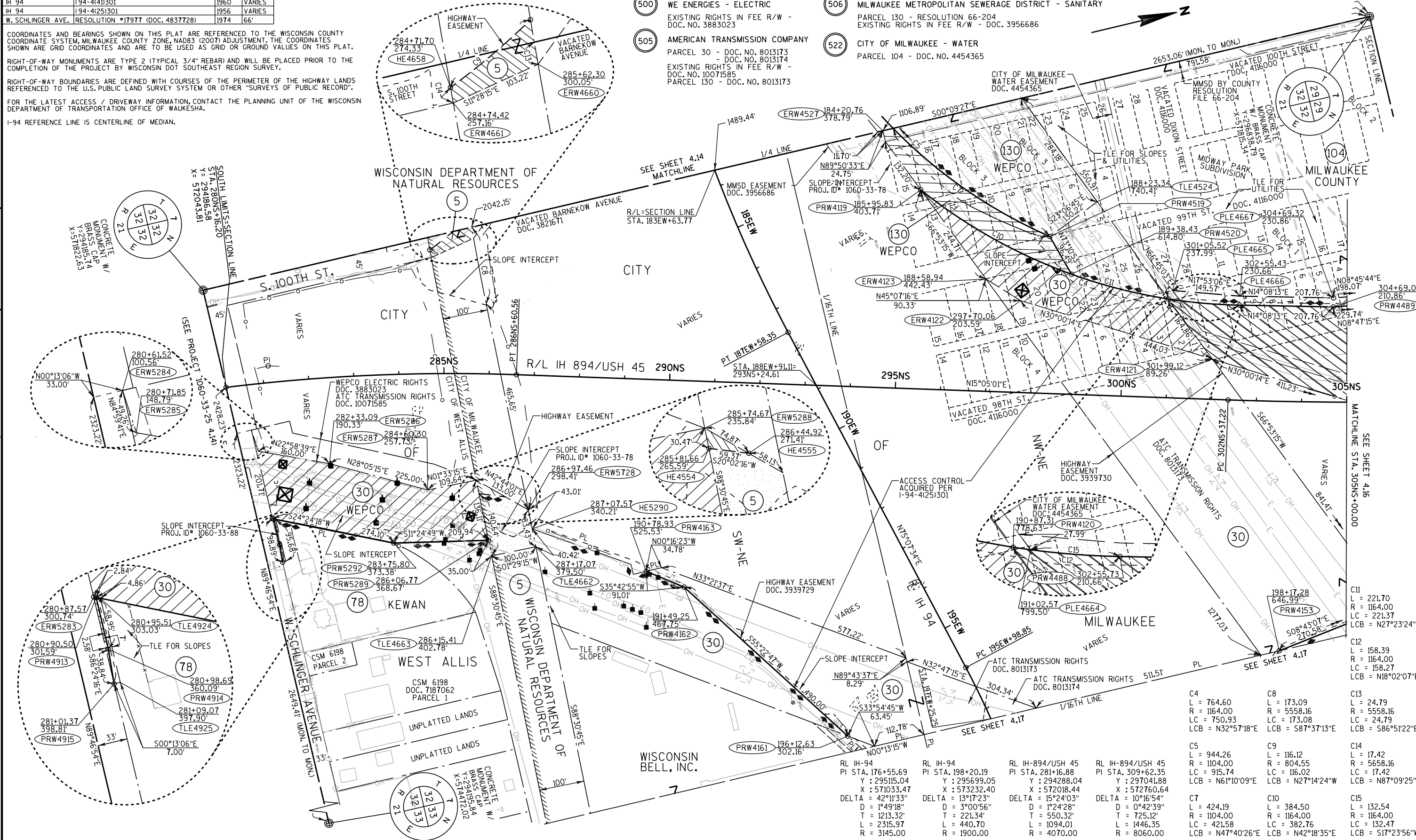
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I-94 REFERENCE LINE IS CENTERLINE OF MEDIAN.



- 500 WE ENERGIES - ELECTRIC
EXISTING RIGHTS IN FEE R/W -
DOC. NO. 3883023
- 505 AMERICAN TRANSMISSION COMPANY
PARCEL 30 - DOC. NO. 8013173
- DOC. NO. 8013174
EXISTING RIGHTS IN FEE R/W -
DOC. NO. 10071585
PARCEL 130 - DOC. NO. 8013173

- 506 MILWAUKEE METROPOLITAN SEWERAGE DISTRICT - SANITARY
PARCEL 130 - RESOLUTION 66-204
EXISTING RIGHTS IN FEE R/W - DOC. 3956686
- 522 CITY OF MILWAUKEE - WATER
PARCEL 104 - DOC. NO. 4454365



REVISION DATE
SEP. 28, 2012
DEC. 17, 2012
APR. 17, 2013

AUG. 29, 2013
JAN. 17, 2014
APRIL 24, 2014

DATE JULY 11, 2012

SCALE, FEET

0 100 200

HWY: IH 94

COUNTY: MILWAUKEE

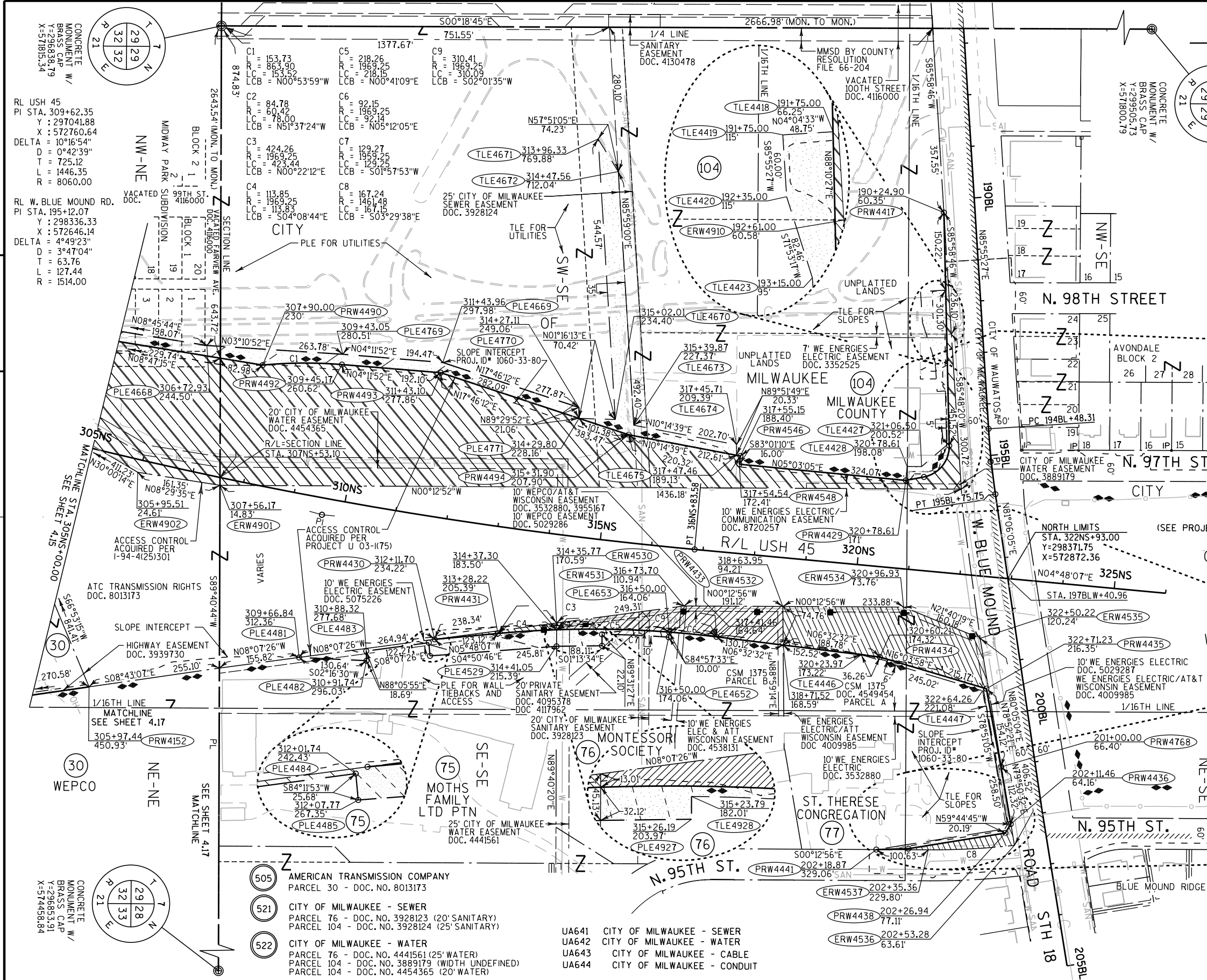
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CONSTRUCTION PROJECT NUMBER 1060-33-78, 1060-33-81
1060-33-88

PLAT SHEET 4.15

PS&E SHEET

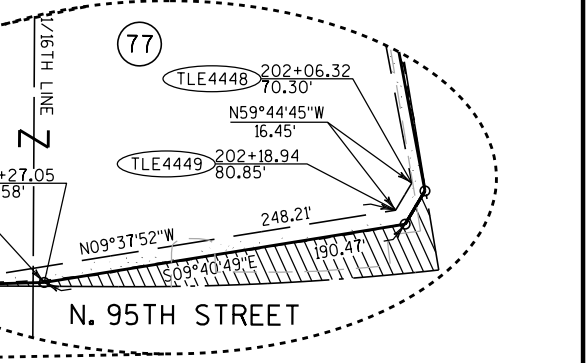
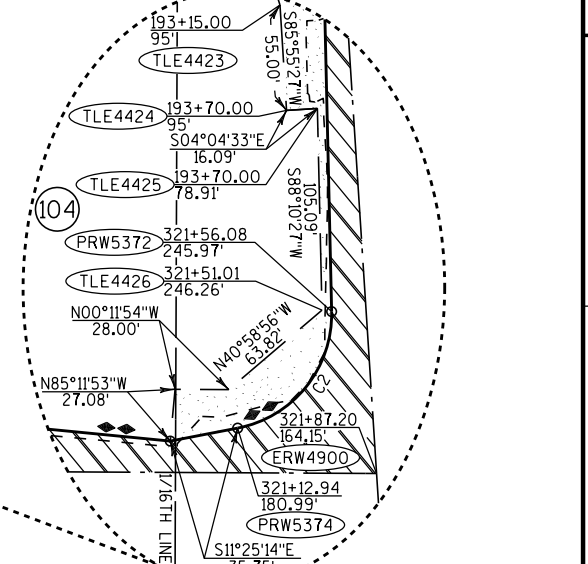
E



HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
IH 94	194-4(4)301	1959	VARIES
USH 45	U 03-1(75)	1959	VARIES
W. BLUE MOUND RD.	U 03-1(75)	1959	120'
N. 95TH ST.	BLUE MOUND RIDGE	1927	VARIES
N. 97TH ST.	AVONDALE	1924	60'
N. 98TH ST.	AVONDALE	1924	60'

500	WE ENERGIES - ELECTRIC
PARCEL 75	- DOC. NO. 5075226 (10' ELECTRIC)
PARCEL 75	- DOC. NO. 3532880 (10' ELECTRIC)
PARCEL 75	- DOC. NO. 3955167 (10' ELECTRIC)
PARCEL 76	- DOC. NO. 5029286 (10' ELECTRIC)
PARCEL 76	- DOC. NO. 3532880 (10' ELECTRIC)
PARCEL 76	- DOC. NO. 3955167 (10' ELECTRIC)
PARCEL 76	- DOC. NO. 4538131 (10' ELECTRIC)
PARCEL 77	- DOC. NO. 4009985 (WIDTH UNDEFINED)
PARCEL 77	- DOC. NO. 5029287 (10' ELECTRIC)
PARCEL 77	- DOC. NO. 3532880 (10' ELECTRIC)
PARCEL 77	- DOC. NO. 3955167 (10' ELECTRIC)
PARCEL 77	- DOC. NO. 4009985 (WIDTH UNDEFINED)
PARCEL 104	- DOC. NO. 3352525 (7' ELECTRIC)
PARCEL 104	- DOC. NO. 8720257 (10' ELECTRIC)

504	AT&T WISCONSIN
PARCEL 75	- DOC. NO. 3532880 (10' COMM.)
PARCEL 75	- DOC. NO. 3955167 (10' COMM.)
PARCEL 76	- DOC. NO. 3532880 (10' COMM.)
PARCEL 76	- DOC. NO. 3955167 (10' COMM.)
PARCEL 76	- DOC. NO. 4538131 (10' COMM.)
PARCEL 76	- DOC. NO. 4009985 (WIDTH UNDEFINED)
PARCEL 77	- DOC. NO. 3532880 (10' COMM.)
PARCEL 77	- DOC. NO. 3955167 (10' COMM.)
PARCEL 77	- DOC. NO. 4009985 (WIDTH UNDEFINED)



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RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE OF WAUKESHA.

I-94 REFERENCE LINE IS CENTERLINE OF MEDIAN.

REVISION DATE	AUG. 29, 2013	DATE	JULY 11, 2012	SCALE, FEET	0 100 200	HWY: IH 94	STATE R/W PROJECT NUMBER	1060-33-24	PLAT SHEET	4.16
SEP. 28, 2012	JAN. 17, 2014					COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER	1060-33-81	PS&E SHEET	E
DEC. 17, 2012	APRIL 24, 2014									
APR. 17, 2013										

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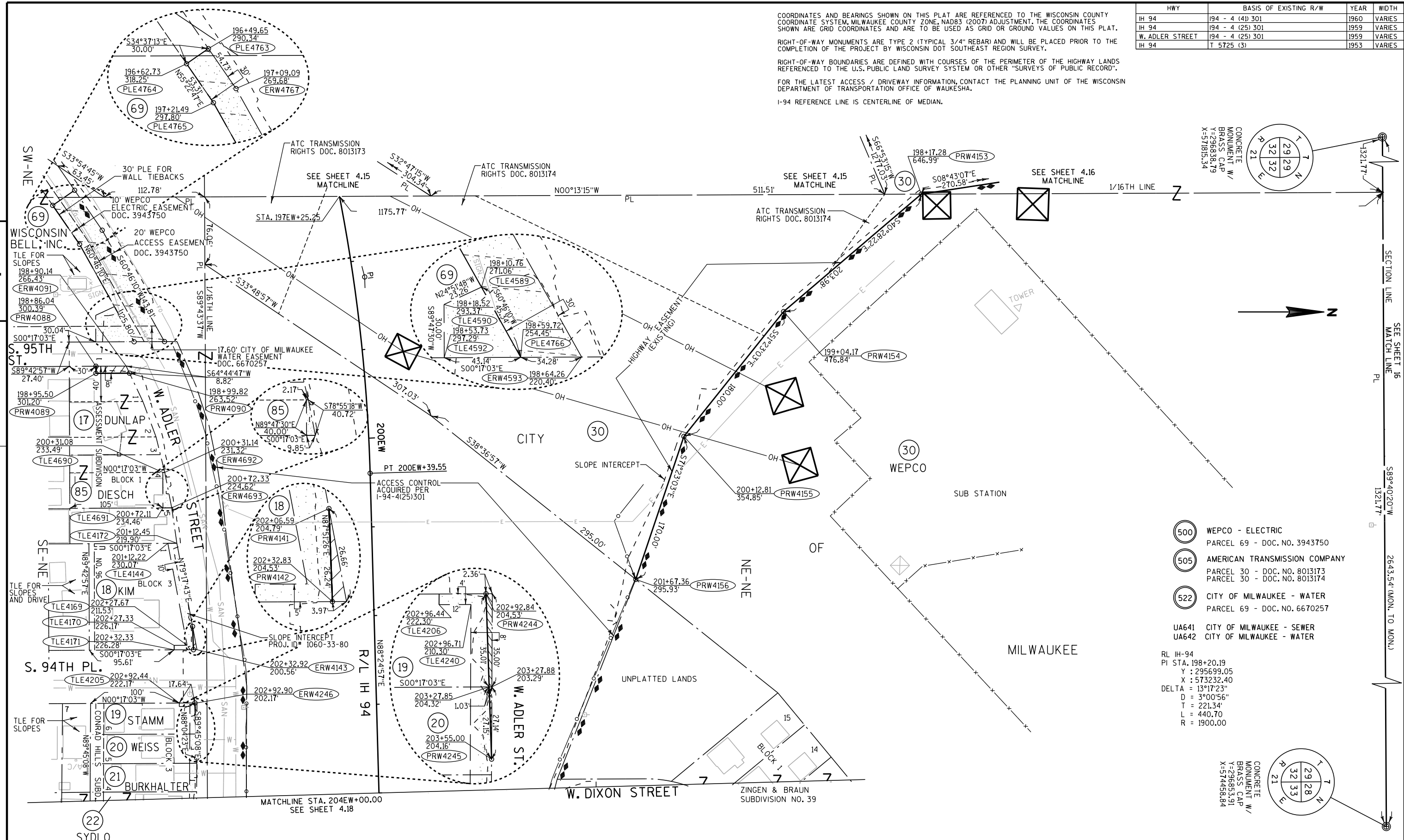
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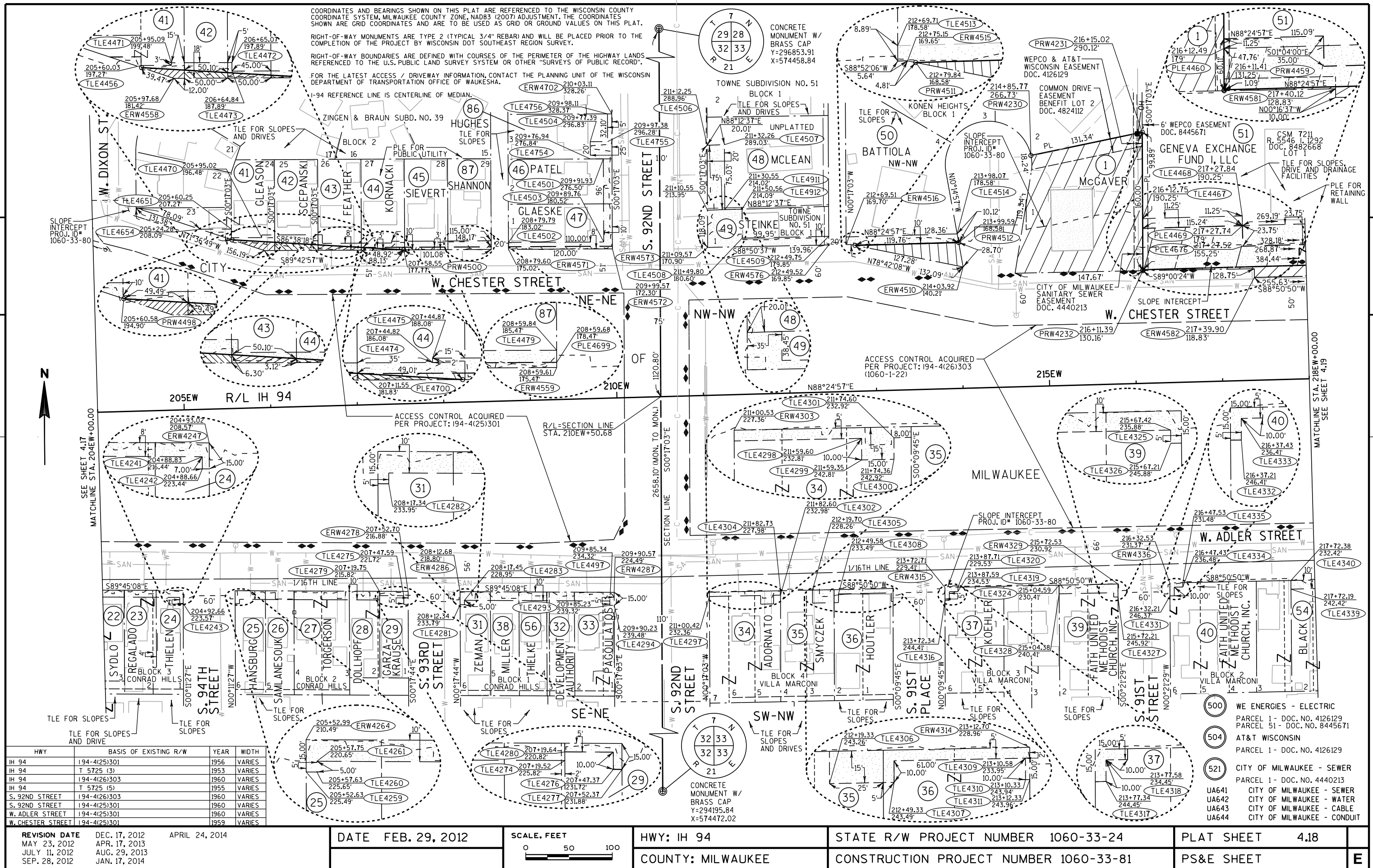
HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
IH 94	194 - 4 (41) 301	1960	VARIES
IH 94	194 - 4 (25) 301	1959	VARIES
W. ADLER STREET	194 - 4 (25) 301	1959	VARIES
IH 94	T 5725 (3)	1953	VARIES



REVISION DATE	AUG. 29, 2013	DATE	JULY 11, 2012	SCALE, FEET	0 50 100	HWY: IH 94	STATE R/W PROJECT NUMBER 1060-33-24	PLAT SHEET 4.17	
SEP. 28, 2012	JAN. 17, 2014					COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-81	PS&E SHEET	E
DEC. 17, 2012	APRIL 24, 2014								
APR. 17, 2013									

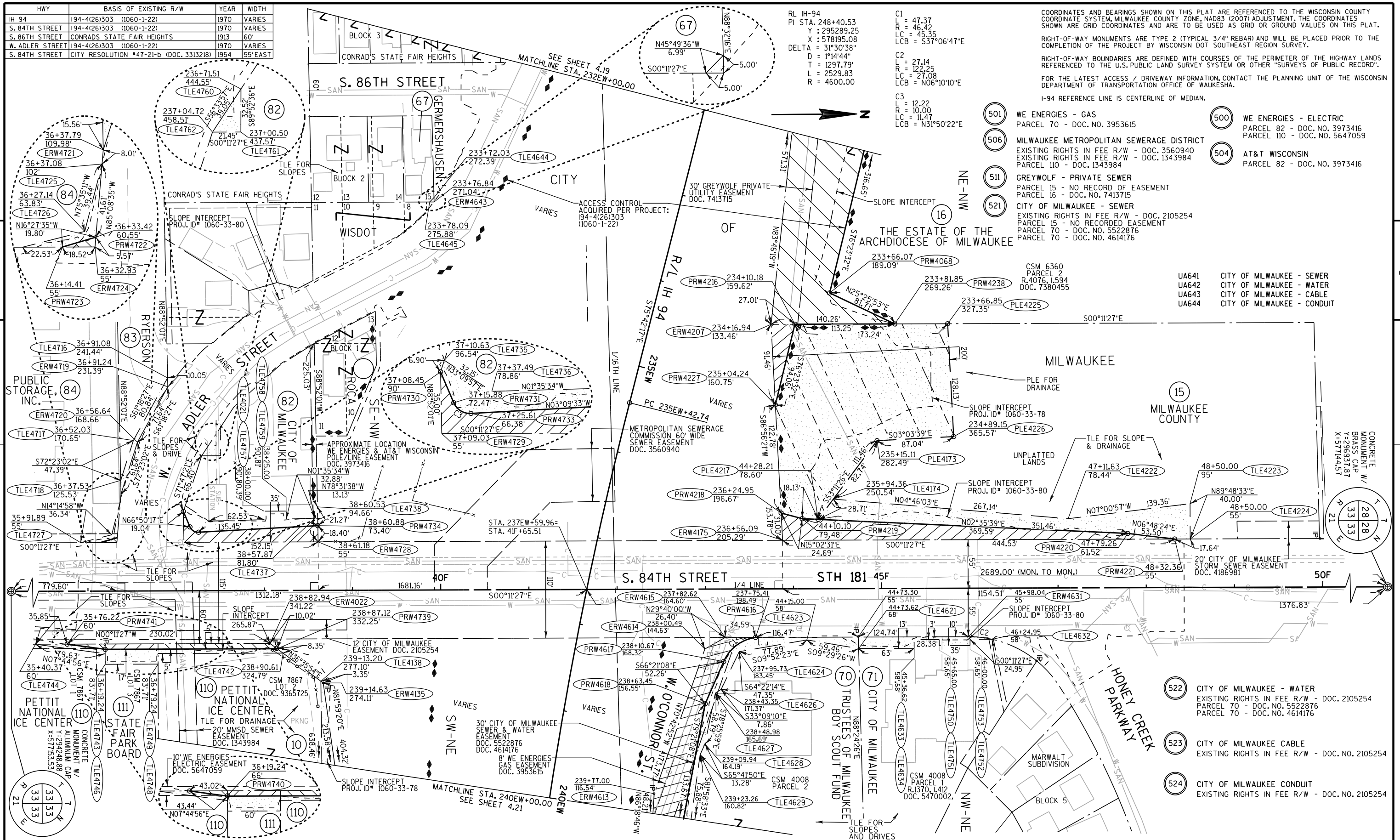
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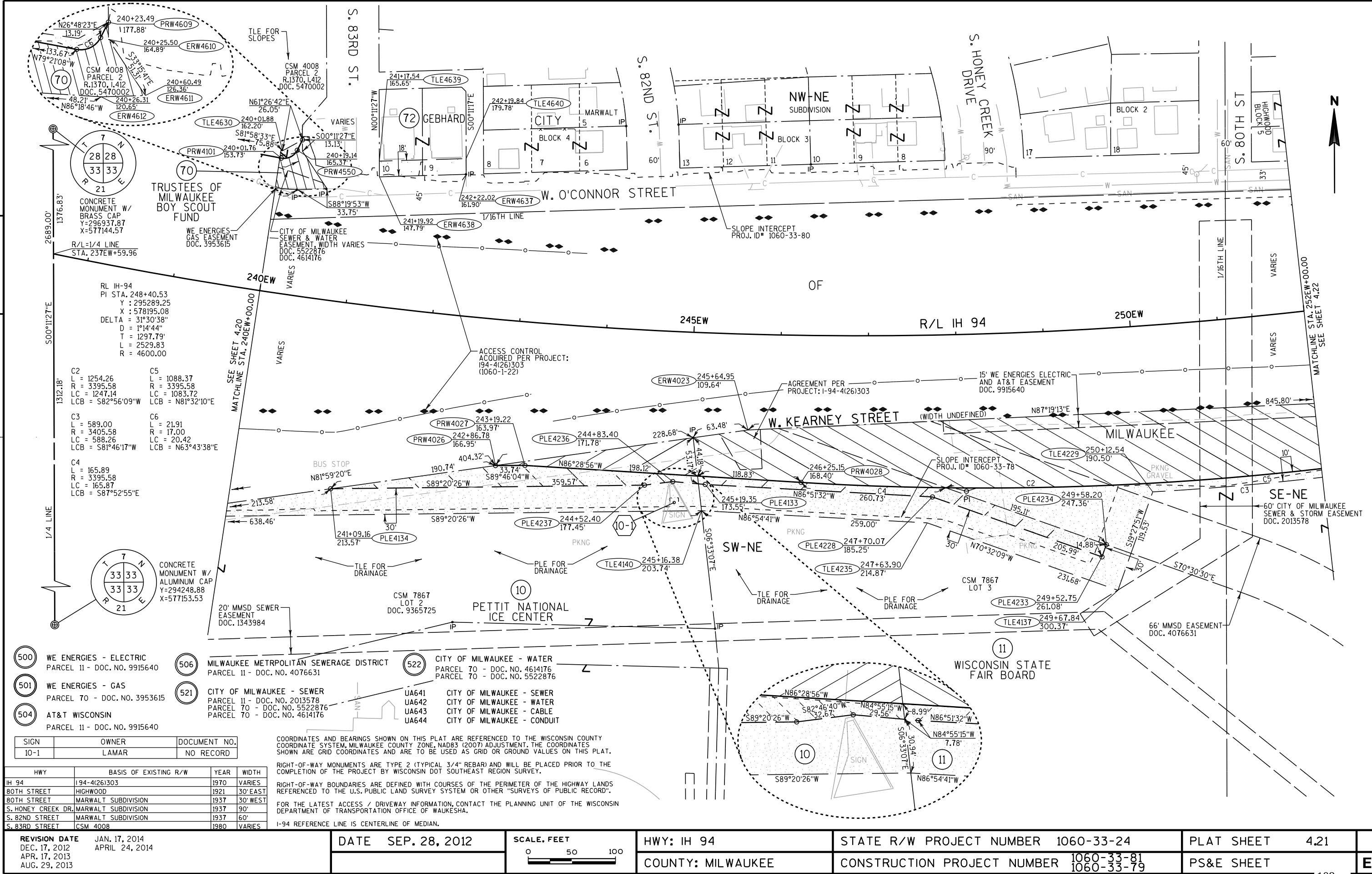


R/W 106 107 4 4.19

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
IH 94	194-4(26)303 (1060-1-22)	1970	VARIES
S. 84TH STREET	194-4(26)303 (1060-1-22)	1970	VARIES
S. 86TH STREET	CONRAD'S STATE FAIR HEIGHTS	1913	60'
W. ADLER STREET	194-4(26)303 (1060-1-22)	1970	VARIES
S. 84TH STREET	CITY RESOLUTION #47-21-b (DOC. 3313218)	1954	55'-EAST



REVISION DATE JAN. 17, 2014 DEC. 17, 2012 APR. 17, 2013 AUG. 29, 2013	JAN. 17, 2014 APRIL 24, 2014	DATE SEP. 28, 2012	SCALE, FEET 	HWY: IH 94	STATE R/W PROJECT NUMBER 1060-33-24	PLAT SHEET 4.20	E
				COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-81, 1060-33-89 1060-33-75	PS&E SHEET	



HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
IH 94	194-4(26)303 (1060-1-22)	1970	VARIES
77TH STREET	HIGHWOOD	1921	60'
78TH STREET	HIGHWOOD	1921	60'
79TH STREET	HIGHWOOD	1921	60'

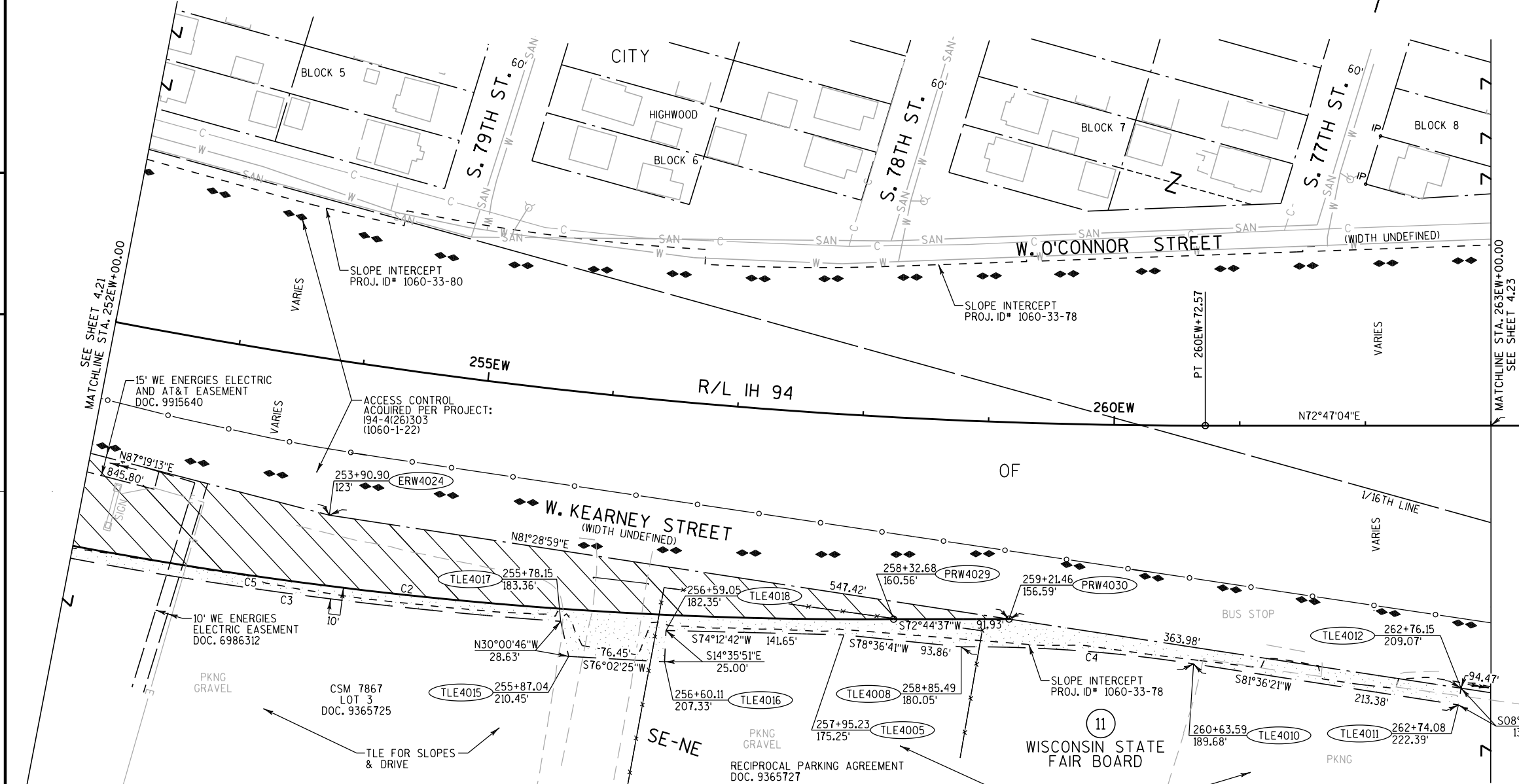
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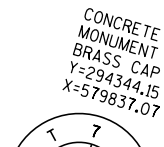
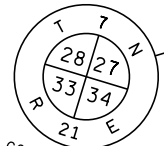
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- 500 WE ENERGIES - ELECTRIC
 PARCEL 11 - DOC. NO. 6986312
 PARCEL 11 - DOC. NO. 9915640
 PARCEL 11 - NO RECORDED EASEMENT
- 504 AT&T WISCONSIN
 PARCEL 11 - DOC. NO. 9915640
- UA641 CITY OF MILWAUKEE - SEWER
 UA642 CITY OF MILWAUKEE - WATER
 UA643 CITY OF MILWAUKEE - CABLE
 UA644 CITY OF MILWAUKEE - CONDUIT

- RL IH-94
 PI STA. 248+40.53
 Y : 295289.25
 X : 578195.08
 DELTA = 31°30'38"
 D = 1°14'44"
 T = 1297.79'
 L = 2529.83
 R = 4600.00
- C2
 L = 1254.26
 R = 3395.58
 LC = 1247.14
 LCB = S82°56'09"W
- C3
 L = 589.00
 R = 3405.58
 LC = 588.26
 LCB = S81°46'17"W
- C4
 L = 185.70
 R = 1150.00
 LC = 185.50
 LCB = S76°58'47"W
- C5
 L = 1088.37
 R = 3395.58
 LC = 1083.72
 LCB = N81°32'10"E



REVISION DATE DEC. 17, 2012 APR. 17, 2013 AUG. 29, 2013	JAN. 17, 2014 APRIL 24, 2014	DATE SEP. 28, 2012	SCALE, FEET 0 50 100	HWY: IH 94	STATE R/W PROJECT NUMBER 1060-33-24	PLAT SHEET 4.22	
				COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-81 1060-33-79	PS&E SHEET	E

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
IH 94	194-4(26)303 (1060-1-22)	1970	VARIES
S. 76TH STREET	194-4(26)303 (1060-1-22)	1970	50' EAST
S. 76TH STREET	WD DOC. 2558768	1945	50' WEST
S. 76TH STREET	RELIANCE LAND COMPANY'S SUBDIVISION	1901	100'
S. 76TH STREET	CITY RESOLUTION #67475-a (DOC. 3164714)	1952	50' WEST

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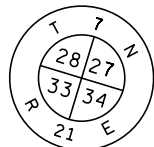
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4



UA641 CITY OF MILWAUKEE - SEWER
UA642 CITY OF MILWAUKEE - WATER
UA643 CITY OF MILWAUKEE - CABLE
UA644 CITY OF MILWAUKEE - CONDUIT



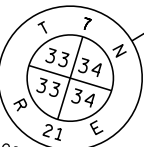
CONCRETE
MONUMENT W/
ALUMINUM CAP
Y=296998.79
X=579831.37

SEE SHEET 4.22
MATCHLINE STA. 263EW+00.00

25.25' CITY OF MILWAUKEE
STORM/SANITARY EASEMENT
DOC. 2079244

WISCONSIN
STATE FAIR
BOARD

SOUTH LIMITS
STA. 18TL+50.00
Y= 295440.62
X= 579834.72



CONCRETE
MONUMENT W/
BRASS CAP
Y=294344.15
X=579837.07

SCALE, FEET

0 50 100

HWY: IH 94

COUNTY: MILWAUKEE

STATE R/W PROJECT NUMBER 1060-33-24

CONSTRUCTION PROJECT NUMBER 1060-33-81
1060-33-79

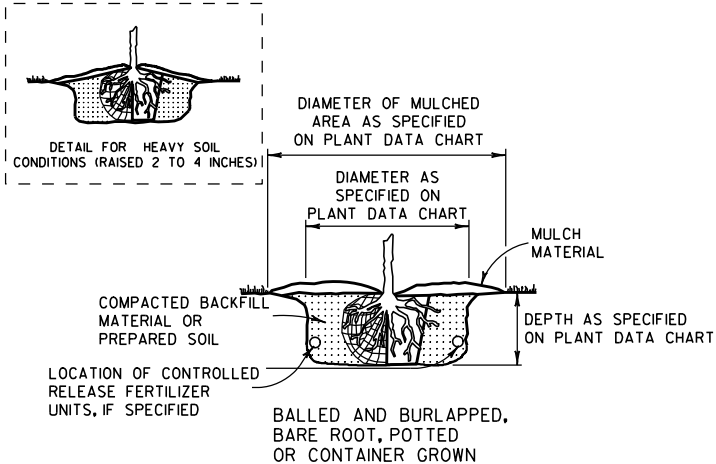
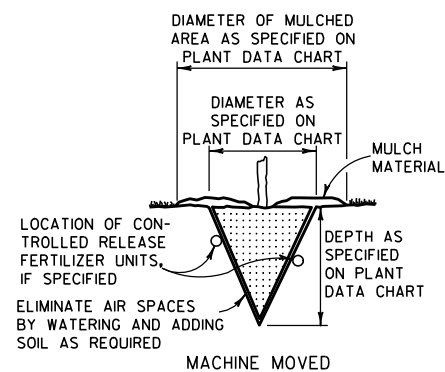
PLAT SHEET 4.23

PS&E SHEET

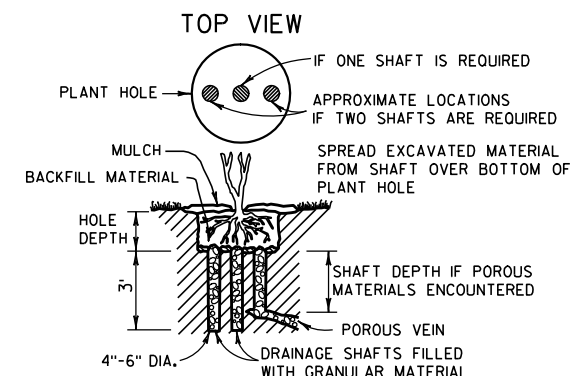
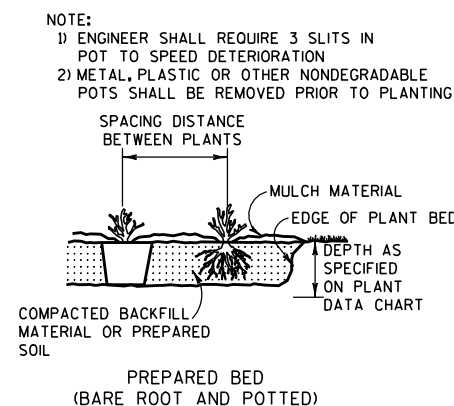
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Standard Detail Drawing List

14A02-01	TREE PLANTING DETAIL
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15D20-04	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D29-05	TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS



ACCOMMODATE ROOTS
(SMOOTH AND STAGHORN SUMAC)



NOTE:
DRAINAGE SHAFT AS SPECIFIED ON
PLANT DATA CHART

DRAINING

NOTE: WHEN PRUNING, PRESERVE CHARACTER AND SHAPE OF TREE. AVOID LEAVING STUBS - REMOVE BRANCH OR TWIG BACK TO THE NEAREST CROTCH
1) PRUNE TO REMOVE DEAD AND BROKEN BRANCHES
2) PRUNE TO REMOVE BRANCHES THAT TOUCH OR ARE TOO CLOSE TO OTHER BRANCHES

SHRUBS
(GRAY DOGWOOD
ARROWWOOD VIBURNUM)

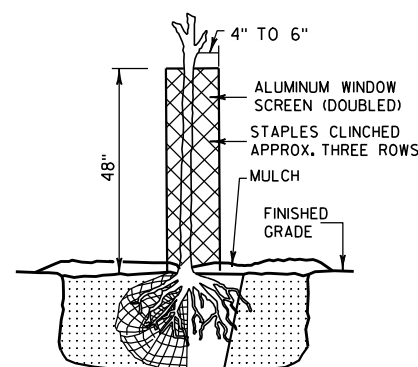
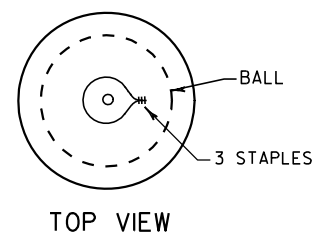
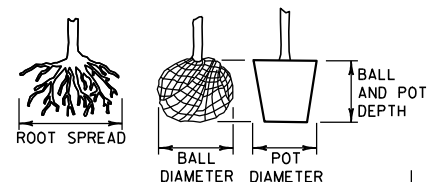
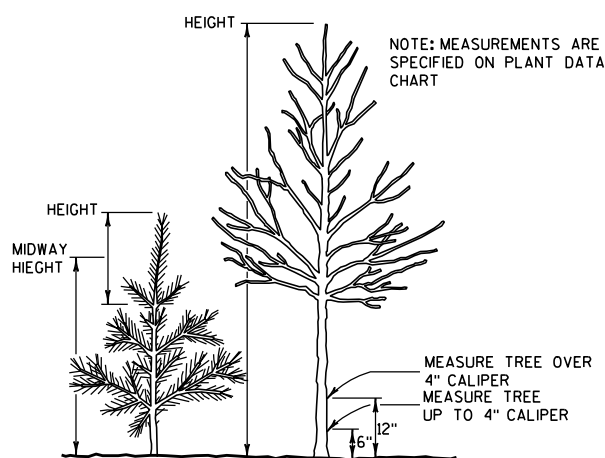
SUMAC

TREE TYPE EVERGREENS
(PINE, SPRUCE, FIR)
EVERGREENS USUALLY
ARE NOT PRUNED

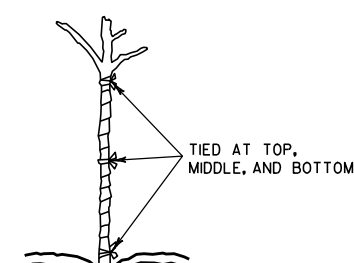
PRUNE LEAST
VIGOROUS OF
TWO LEADERS
BACK TO MAIN
TRUNK

REMOVE
BROKEN
BRANCHES

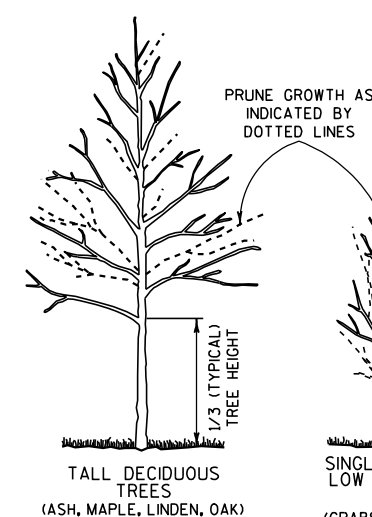
PRUNING



RODENT PROTECTION

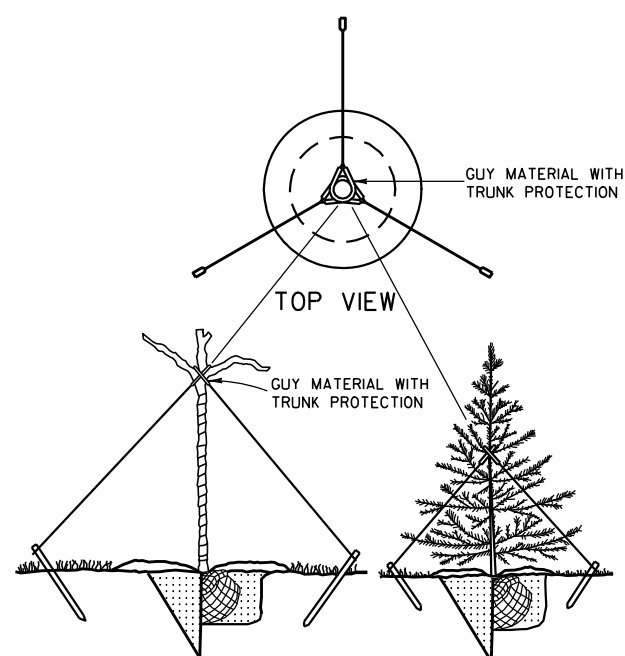


WRAPPING

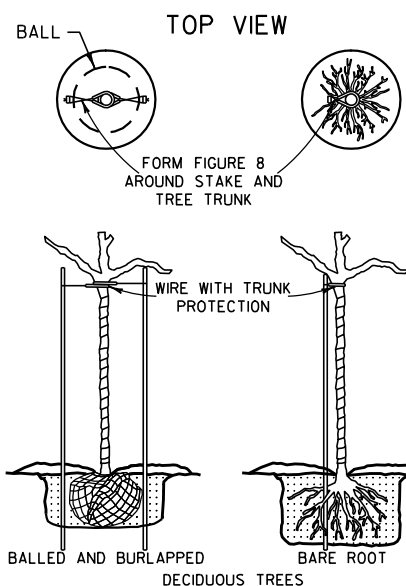


SINGLE STEMMED
LOW DECIDUOUS
TREES
(CRABS AND OTHER
SINGLE STEM TYPE)

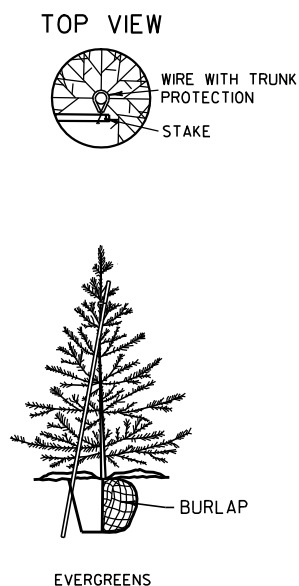
MULTI-STEMMED
LOW DECIDUOUS
TREES OR
LARGE SHRUBS
(HAWTHORN, SERVICEBERRY)



GUYING

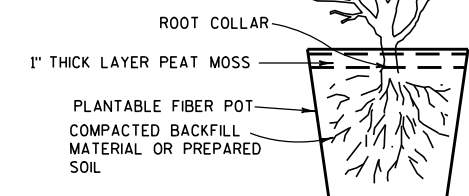


BRACING



NOTE: BRACING STAKE
1) SHALL BE DRIVEN INTO THE GROUND AS CLOSE TO THE TREE AS POSSIBLE WITHOUT DAMAGING THE BRANCHES.
2) MAY BE DRIVEN AT SUCH AN ANGLE THAT IT DOES NOT PENETRATE THE BALL OR POT.
3) SHALL NOT PROTRUDE ABOVE THE TOP OF THE TREE; AND
4) SHALL HAVE A HOLE NEAR THE TOP TO HOLD THE WIRE IN PLACE.

PRUNE LARGER SHRUBS BY REMOVING FROM ONE-THIRD TO ONE-HALF TOP GROWTH AS INDICATED BY DOTTED LINE



POTTING

NOTES

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

BRACING, WRAPPING, GUYING, RODENT PROTECTION, FERTILIZER AND MULCH SHALL BE USED ONLY WHEN SPECIFIED ON THE PLANT DATA CHART (PART OF PLAN) OR SPECIAL PROVISIONS.

TREE PLANTING DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4/11/94

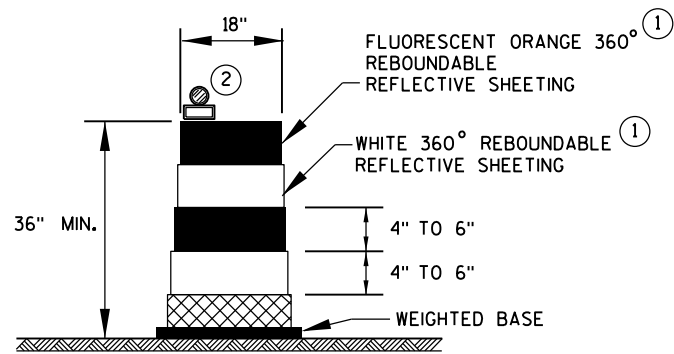
DATE

/S/ Rory L. Rhinehart

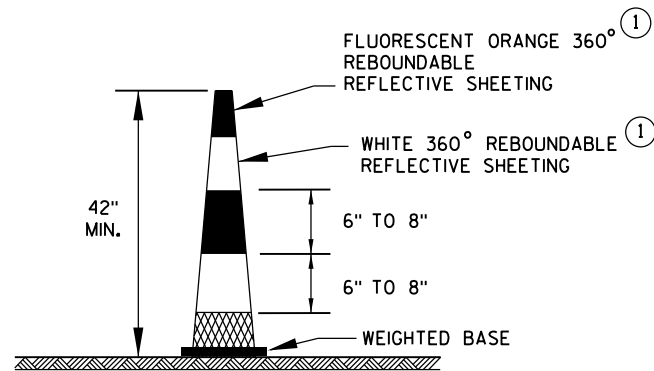
CHIEF METHODS DEVELOPER

FHWA

SINEER



DRUM

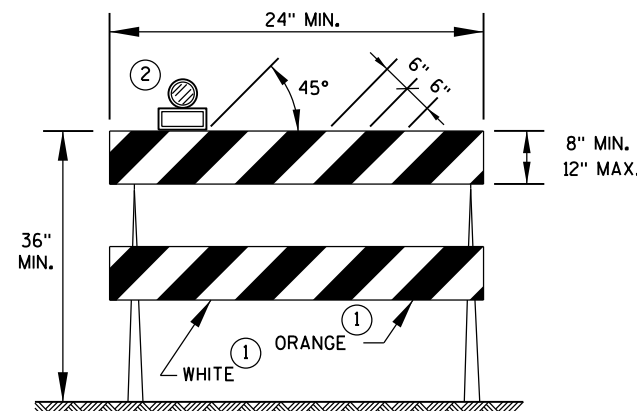


42" CONE

DO NOT USE IN TAPERS
1/2 SPACING OF DRUMS

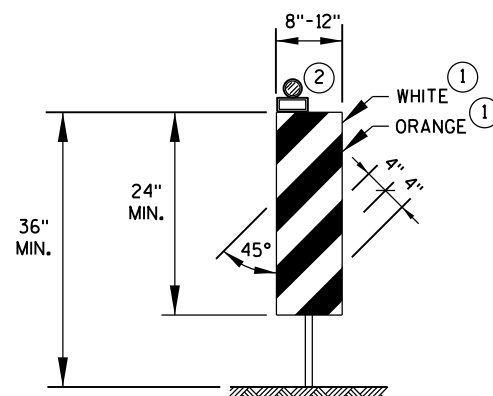
GENERAL NOTES

- ① REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
- ② LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



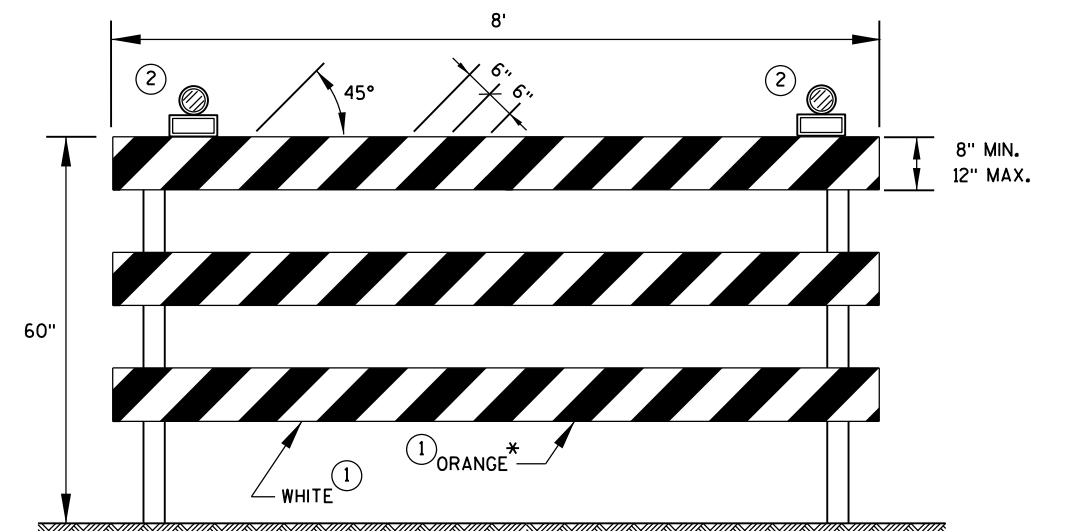
TYPE 2 BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED.
ALL STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE 3 BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION, USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2017
DATE

/S/ Andrew Heidtke
WORK ZONE ENG 114

FHWA

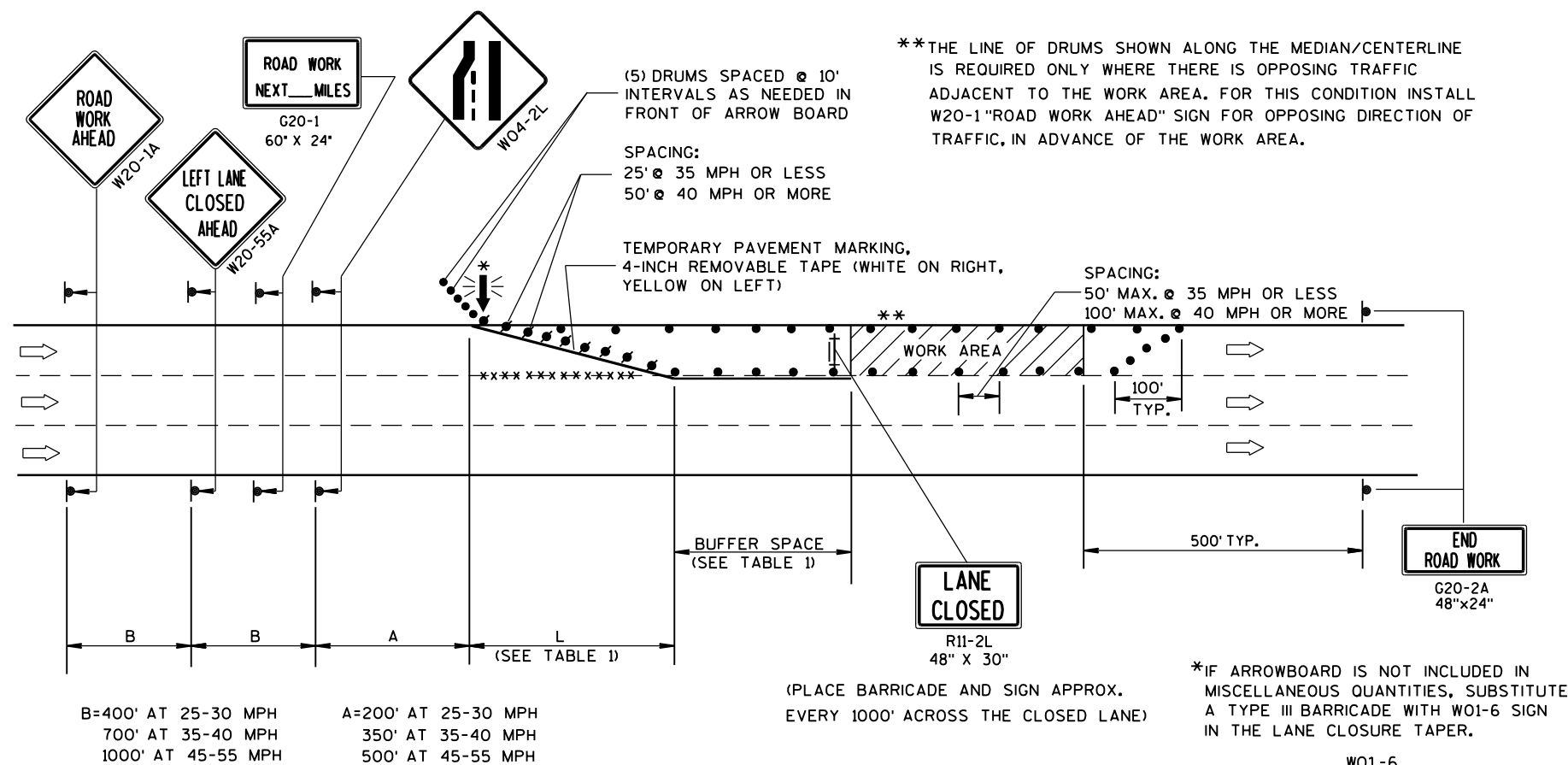


TABLE 1
TAPER AND BUFFER SPACE
FOR 12' LANE WIDTH

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

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.

W20-1A, 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

June 2016

DATE

FHWA

/S/ Peter Amakobe Atepe

STATEWIDE WORK ZONE SAFETY ENGINEER

115 IC

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.

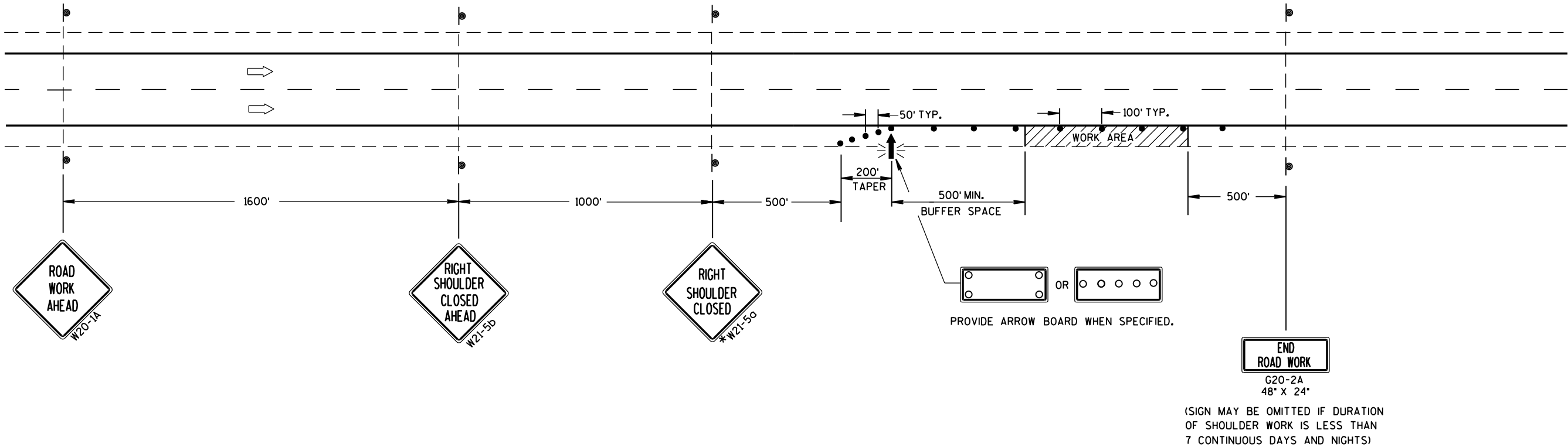
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

June 2016
DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE SAFETY ENGINEER

FHWA

116

IC

GENERAL NOTES

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. 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 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.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.

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

TABLE A

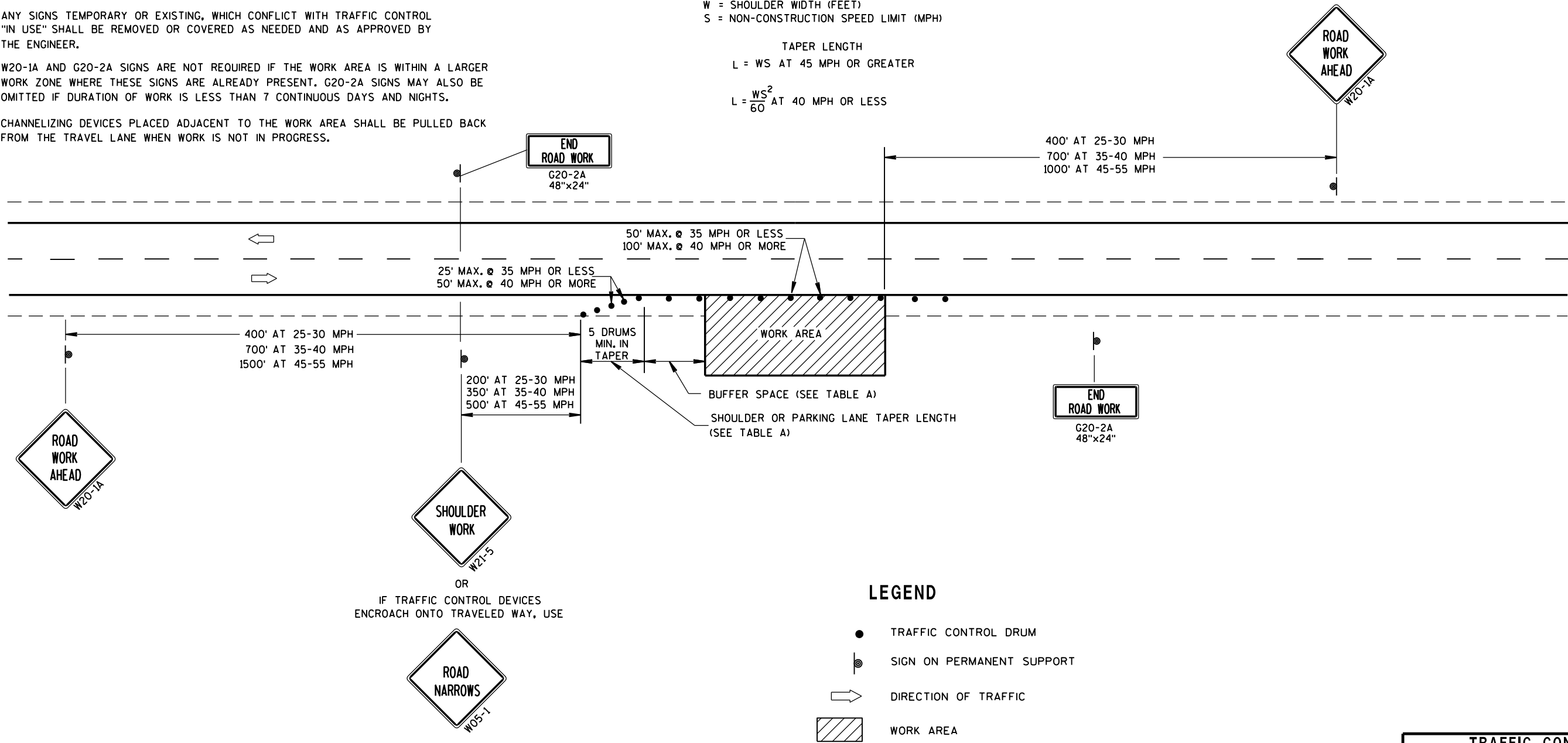
SHOULDER TAPER LENGTH (FEET)					BUFFER SPACE (FEET)
S	W	4	6	8	
30	20	30	40	50	200
35	30	45	55	70	250
40	40	55	75	90	305
45	60	90	120	150	360
50	70	100	135	170	425
55	75	110	150	185	495

W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

TAPER LENGTH
L = WS AT 45 MPH OR GREATER

$L = \frac{WS^2}{60}$ AT 40 MPH OR LESS

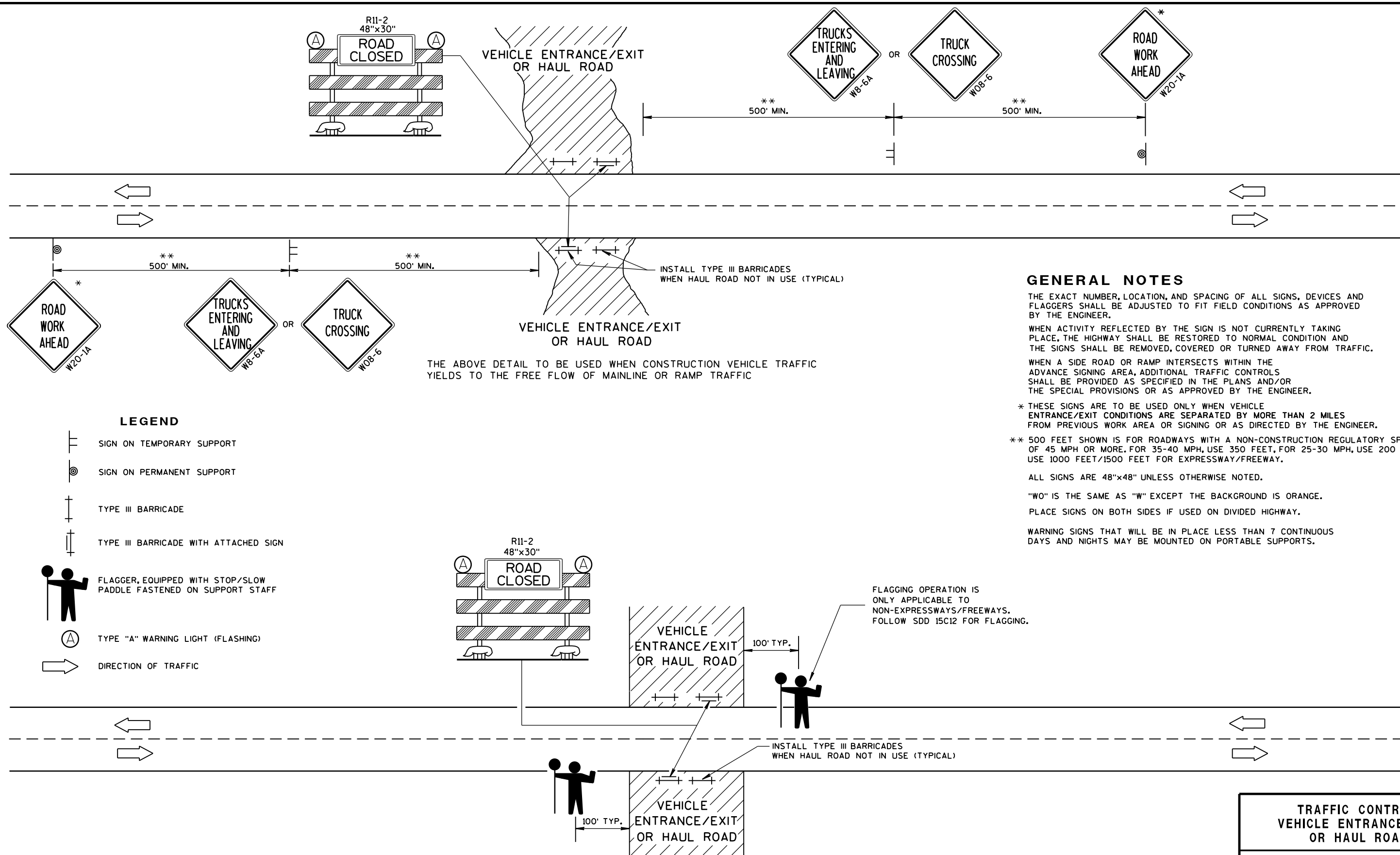
SHOULDER TAPER LENGTH = $\frac{1}{3}L$



LEGEND

- TRAFFIC CONTROL DRUM
- ⦿ SIGN ON PERMANENT SUPPORT
- ➡ DIRECTION OF TRAFFIC
- ▨ WORK AREA

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED July 14, 2015 DATE	/S/ Peter Amakobe Atepe STATEWIDE WORK ZONE SAFETY ENGINEER 117 FHWA



LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC

GENERAL NOTES

- THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS, DEVICES AND FLAGGERS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- WHEN ACTIVITY REFLECTED BY THE SIGN IS NOT CURRENTLY TAKING PLACE, THE HIGHWAY SHALL BE RESTORED TO NORMAL CONDITION AND THE SIGNS SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC.
- WHEN A SIDE ROAD OR RAMP INTERSECTS WITHIN THE ADVANCE SIGNING AREA, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.
- * THESE SIGNS ARE TO BE USED ONLY WHEN VEHICLE ENTRANCE/EXIT CONDITIONS ARE SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA OR SIGNING OR AS DIRECTED BY THE ENGINEER.
- ** 500 FEET SHOWN IS FOR ROADWAYS WITH A NON-CONSTRUCTION REGULATORY SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FEET, FOR 25-30 MPH, USE 200 FEET. USE 1000 FEET/1500 FEET FOR EXPRESSWAY/FREEWAY.
- ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.
- "W0" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
- PLACE SIGNS ON BOTH SIDES IF USED ON DIVIDED HIGHWAY.
- WARNING SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

THIS DETAIL TO BE USED WHEN CONSTRUCTION WORK INCLUDING TRUCKING ACTIVITY REQUIRES MAINLINE TRAFFIC TO BE TEMPORARILY STOPPED IN ONE OR BOTH DIRECTIONS. DELAY TO HIGHWAY TRAFFIC SHALL BE MINIMIZED.

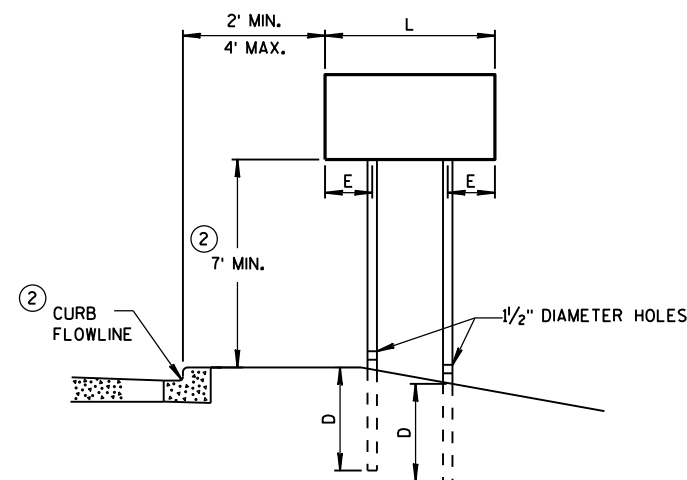
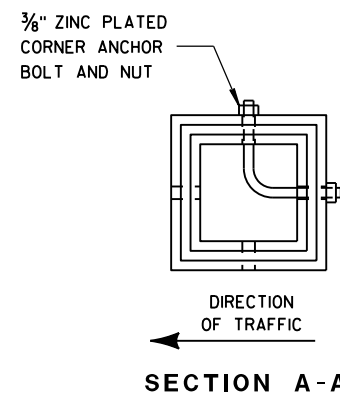
TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE	/S/ Andrew Heidtke WORK ZONE ENGI 118
FHWA	



TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS LARGER THAN 27 SQ.FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

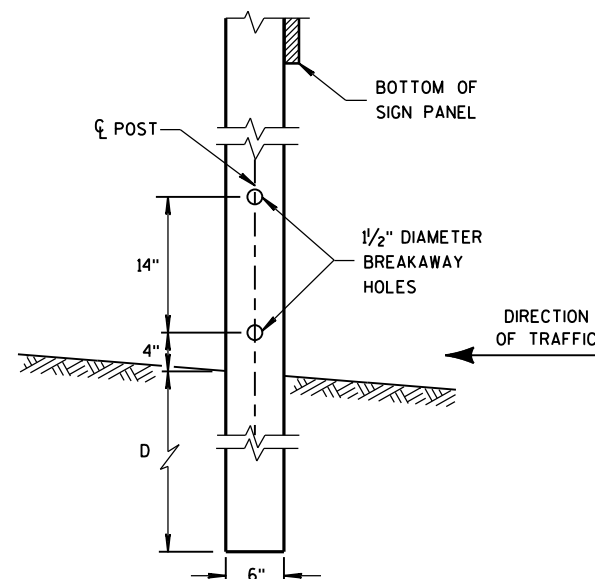


URBAN AREA

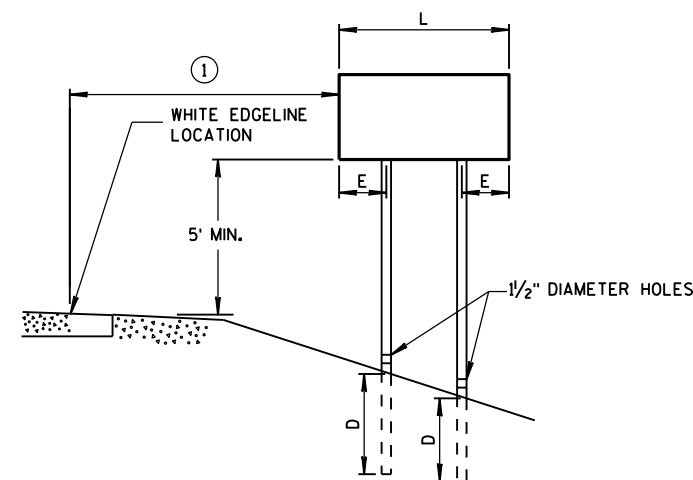
POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

WOOD POST
EMBEDMENT DEPTH

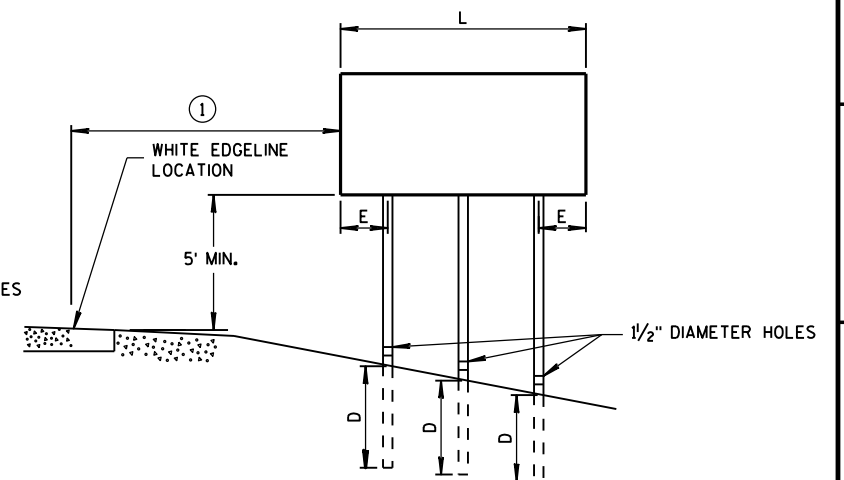
AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'



4" x 6" WOOD POST MODIFICATION



RURAL AREA



GENERAL NOTES

- ① 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.
- ② THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.
- ③ FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.

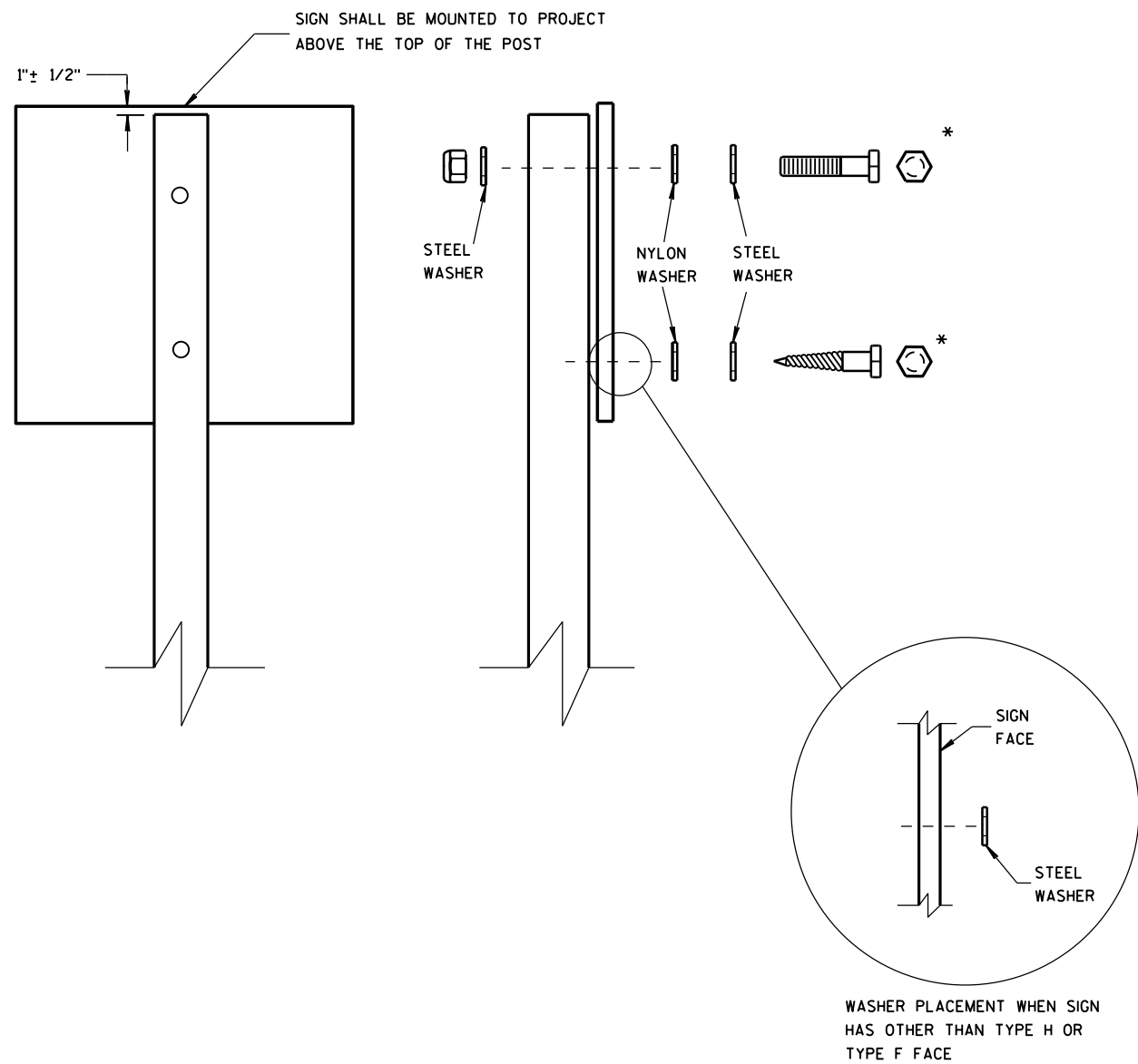
4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION 119



NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

- A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3
- B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

- WOOD POSTS (4" x 4" or 4" x 6")
- LAG SCREWS - 3/8" x 3"
 - MACHINE BOLTS - 5/16" x 6-1/2" OR 7" LENGTH W/ NUTS

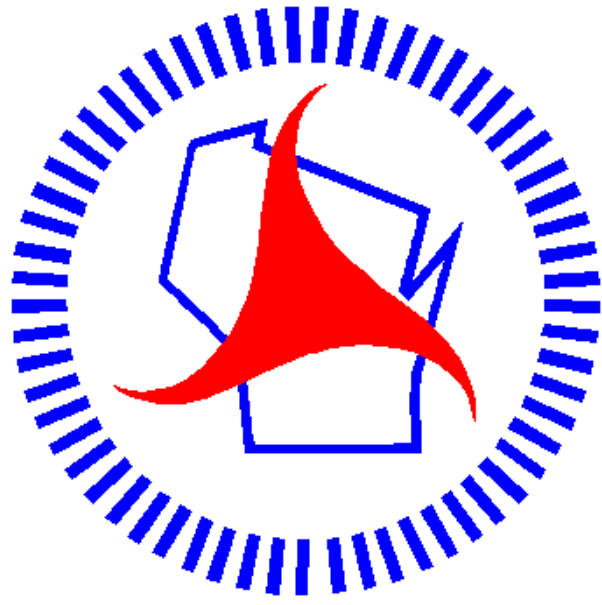
- SQUARE STEEL POSTS (2" x 2")
- MACHINE BOLTS - 3/8" x 3-1/4" LENGTH W/ NUTS
 - RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

- WASHERS (ALL POSTS) -
- 1-1/4" O.D. x 3/8" I.D. x 1/16" STEEL
 - 1-1/4" O.D. x 3/8" I.D. x .080 NYLON FOR ALL TYPE H SIGNS

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

ATTACHMENT OF SIGNS TO POSTS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE	/S/ Andrew Heidtke WORK ZONE EN 120
FHWA	

Notes



Wisconsin Department of Transportation

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