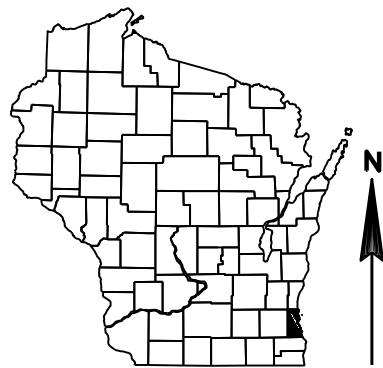


PROJECT ID: 1060-35-82
WITH: N/A

COUNTY: MILWAUKEE

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 =



DESIGN DESIGNATION	CENTER STREET	IH 41/USH 45
A.A.D.T. 2017	= 5,260	(2015) = 144,000
A.A.D.T. 2037	= 5,770	(2035) = 193,000
D.H.V. 2037	= 162	(2035) = 6,680 NB/6,991 SB
D.D.	= 59% EB/41% WB	= 48.9% NB/51.1% SB
T.	= 3.3%	= 11.6%
DESIGN SPEED	= 30 MPH	= 60 MPH
ESALS	= 401,500	= 31,835,300

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	

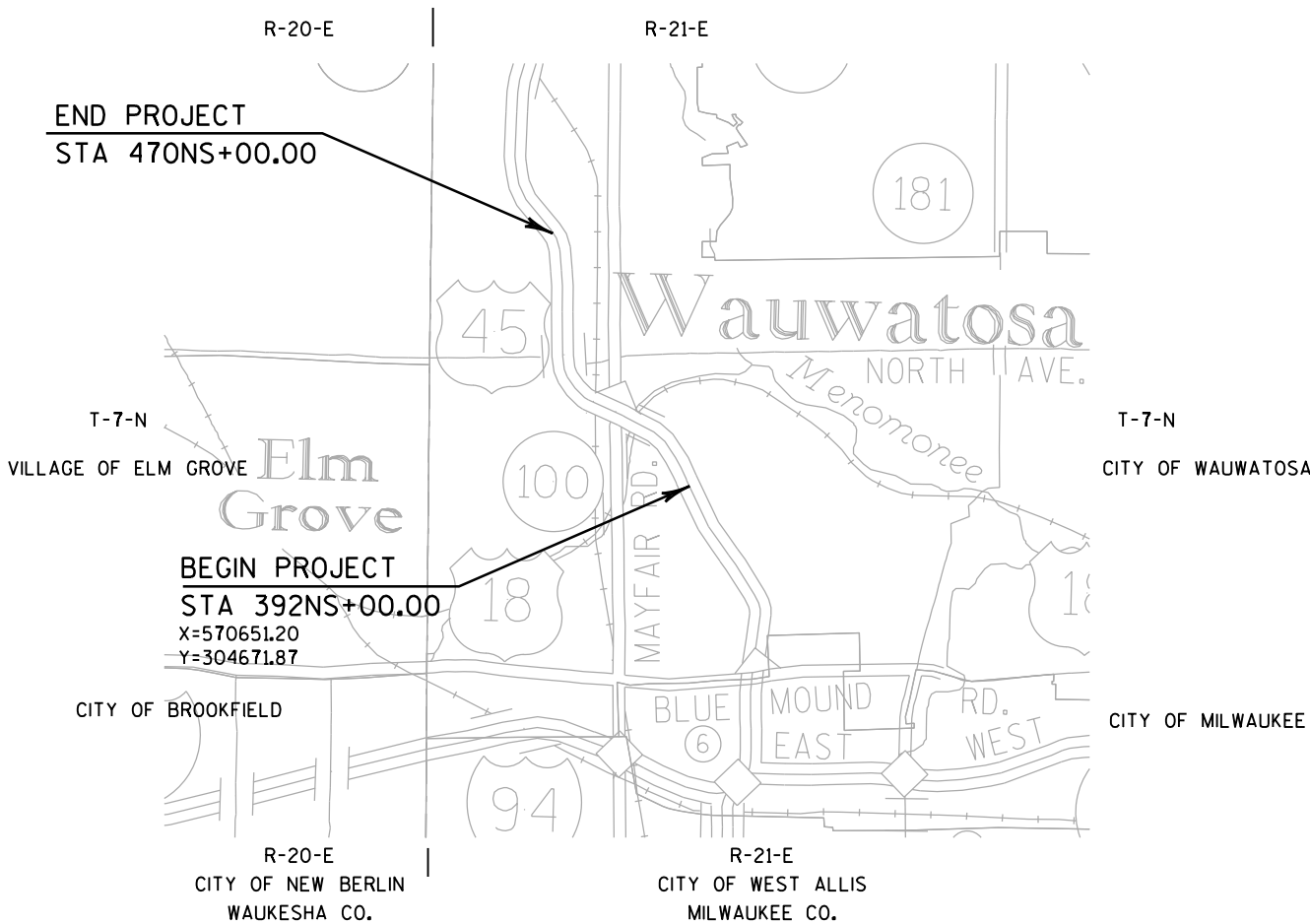
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PLAN OF PROPOSED IMPROVEMENT
USH 45, ZOO IC, N LEG LANDSCAPING
MAYFAIR ROAD TO BURLEIGH STREET
USH 45
MILWAUKEE COUNTY

STATE PROJECT NUMBER
1060-35-82

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1060-35-82		

APPROVED FOR
DESIGN OF
UTILITY ADJUSTMENTS

FEBRUARY 1, 2022



LAYOUT
SCALE 0 0.5 MI.
TOTAL NET LENGTH OF CENTERLINE = 0.000 MI.

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)

ORIGINAL PLANS PREPARED BY
MILWAUKEE, WISCONSIN

(Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

APPROVED FOR THE DEPARTMENT
DATE: (Signature)

PRE_1

E

UTILITY CONTACTS

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j.navarro@northwindtech.com

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OTHER AGENCIES

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COORDINATOR OF STREET SUPERVISION
MILWAUKEE COUNTY TRANSIT SYSTEM
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MILWAUKEE, WI 53205
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MANAGER OF ENGINEERING PLANNING
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SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION
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CELL: (920) 912-1036
rmerry@sewrpc.org

UNION PACIFIC RAILROAD COMPANY
JOHN VENICE
101 N. WACKER DRIVE, SUITE 1920
CHICAGO, IL 60606
PHONE: (312) 777-2043
jnvenice@up.com

WAUWATOSA, CITY OF
BILL WEHRLEY, CITY ENGINEER
7725 W. NORTH AVENUE
WAUWATOSA, WI 53213
PHONE: (414) 479-8929
wwehrley@wauwatosa.net

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.



GENERAL NOTES

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.

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, CHRISTOPHER ZACHARIAS, WISDOT (262-548-6716) IS THE CONTACT PERSON FOR THIS PROJECT.

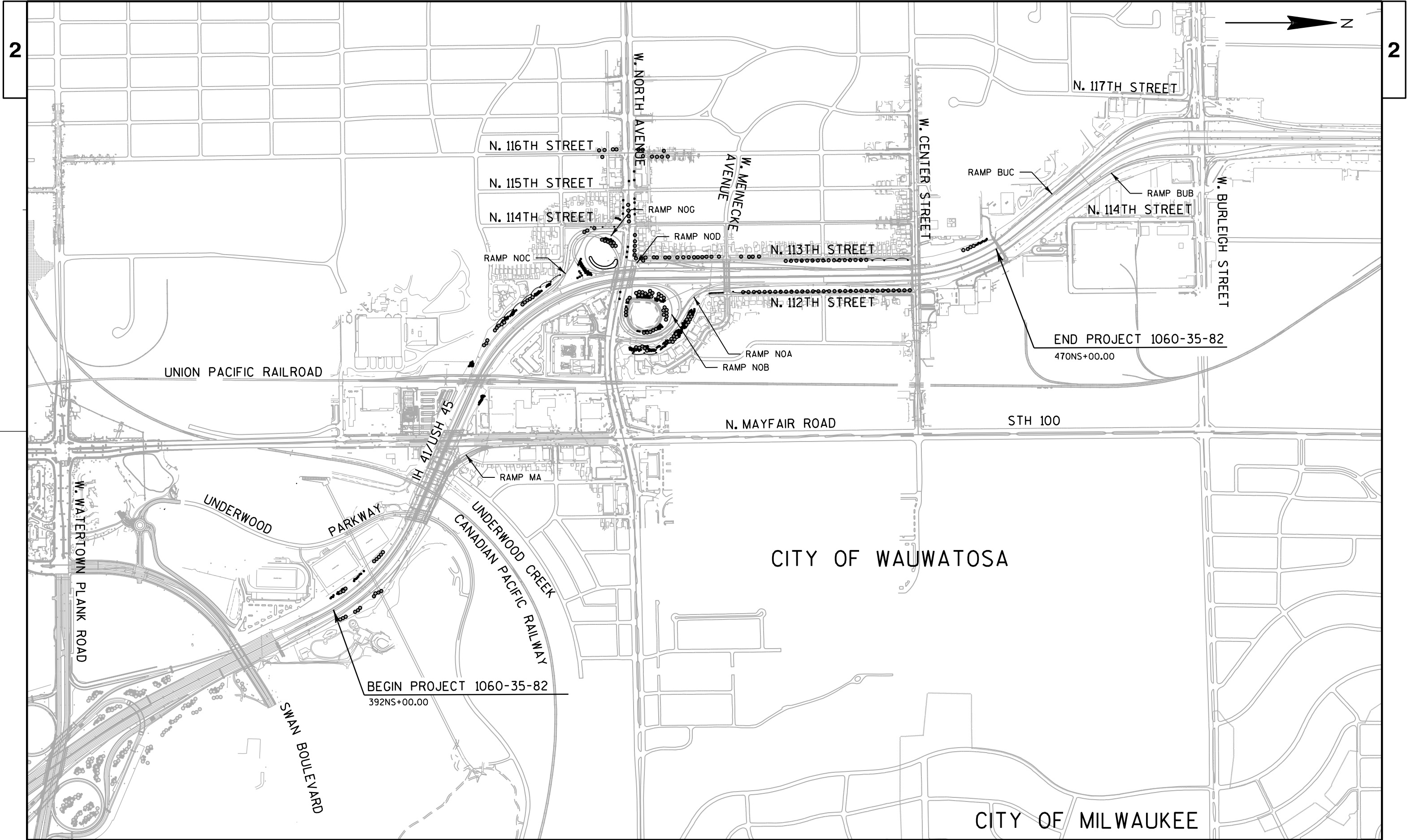
USE CAUTION AND DO NOT DISTURB SECTION CORNERS WITHIN THE PROJECT LIMITS AS SHOWN ON THE PLAT.

ORDER OF SECTION 2 DETAIL SHEETS

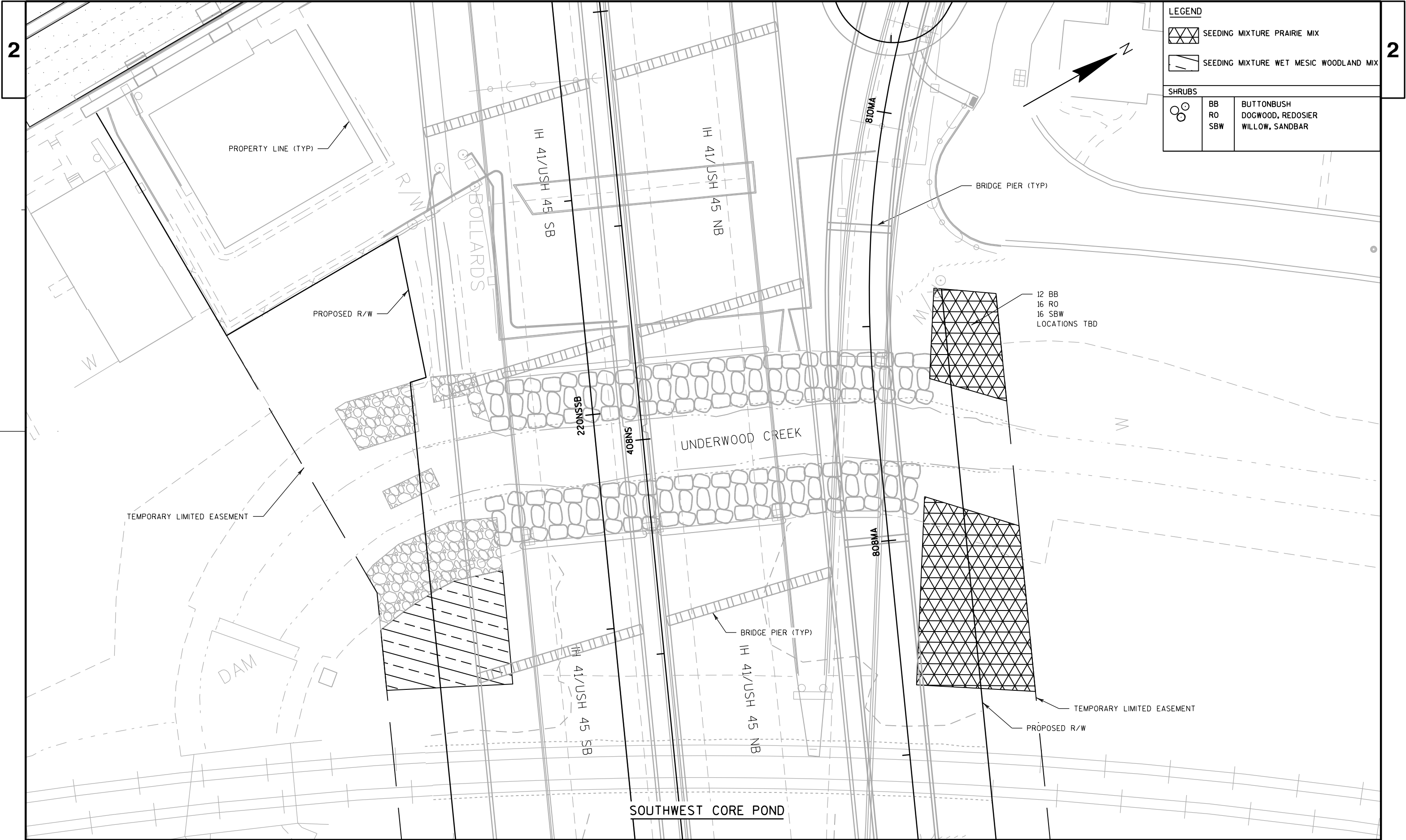
GENERAL NOTES
PROJECT OVERVIEW
CONSTRUCTION DETAILS
EXISTING UTILITY PLANS
STREETSCAPING PLANS

STANDARD ABBREVIATIONS

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



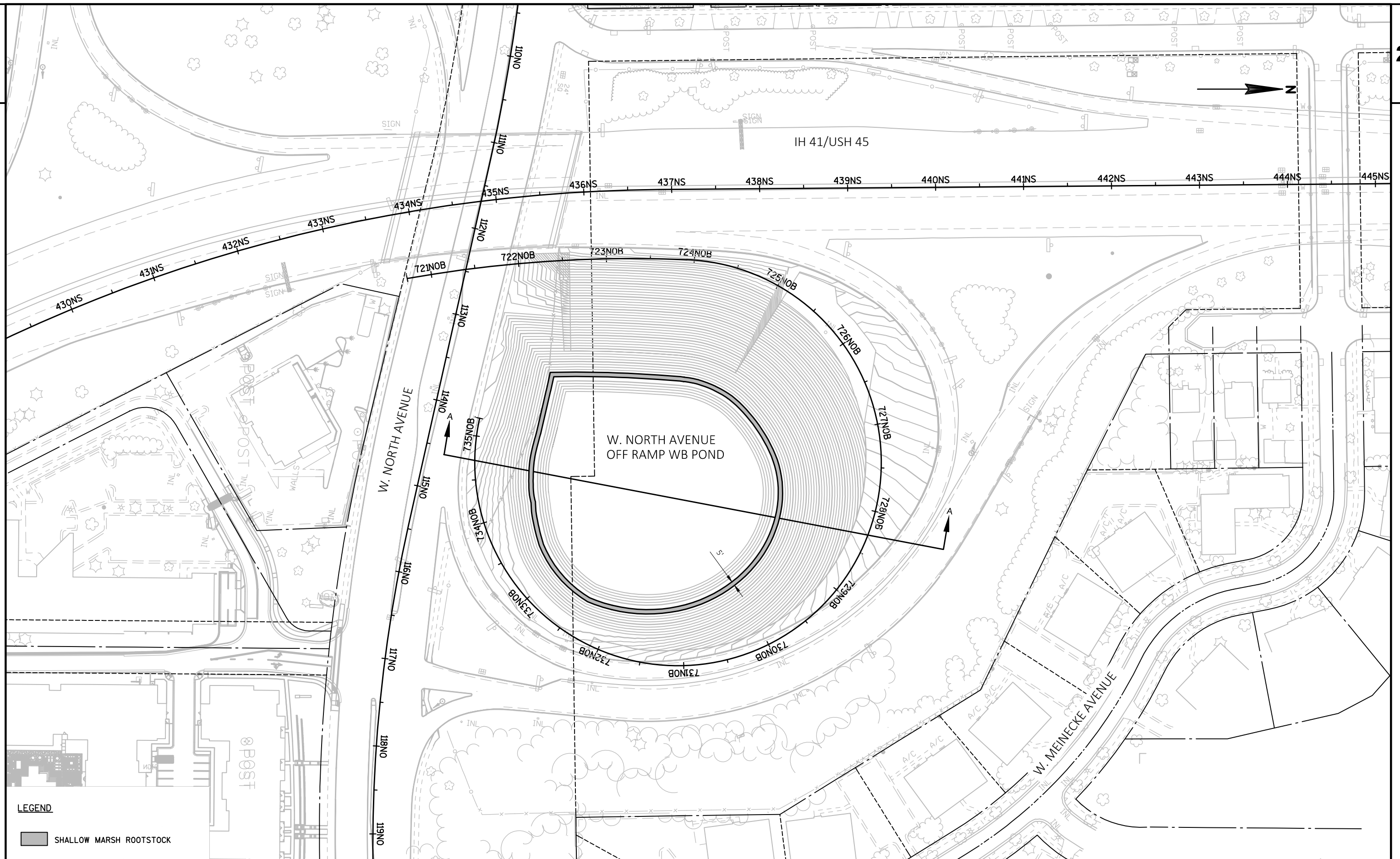
PROJECT NO: 1060-35-82	HWY: IH 41/USH 45	COUNTY: MILWAUKEE	PROJECT OVERVIEW	SHEET PRE_4	E
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LEGEND		
	SEEDING MIXTURE PRAIRIE MIX	
	SEEDING MIXTURE WET MESIC WOODLAND MIX	
SHRUBS		
	BB	BUTTONBUSH
	RO	DOGWOOD, REDOSIER
	SBW	WILLOW, SANDBAR

2

2



LEGEND

 SHALLOW MARSH ROOTSTOCK

PROJECT NO:1060-35-82

HWY: IH 41/USH 45

COUNTY: MILWAUKEE

CONSTRUCTION DETAILS

SHEET PRE_6

E

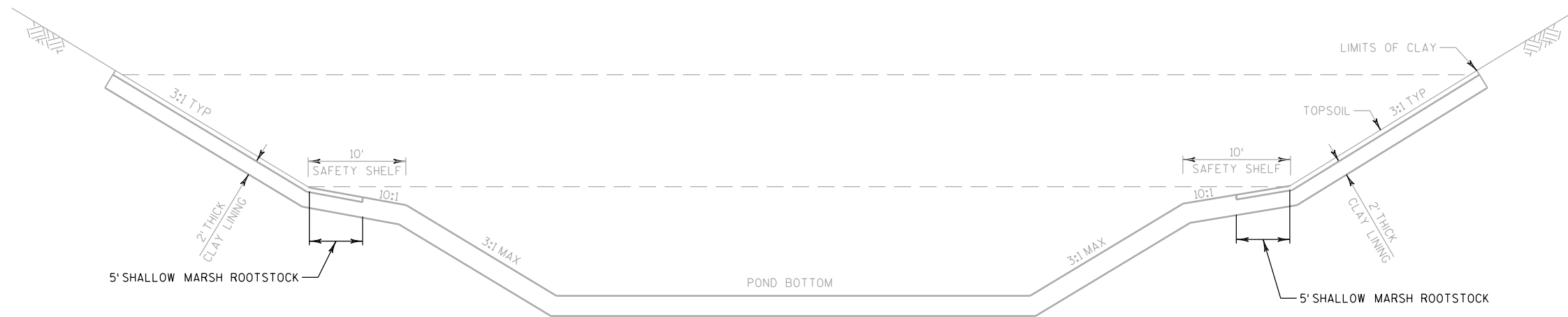
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LAYOUT NAME - ****

PLOT DATE : 2/1/2022 9:52 PM

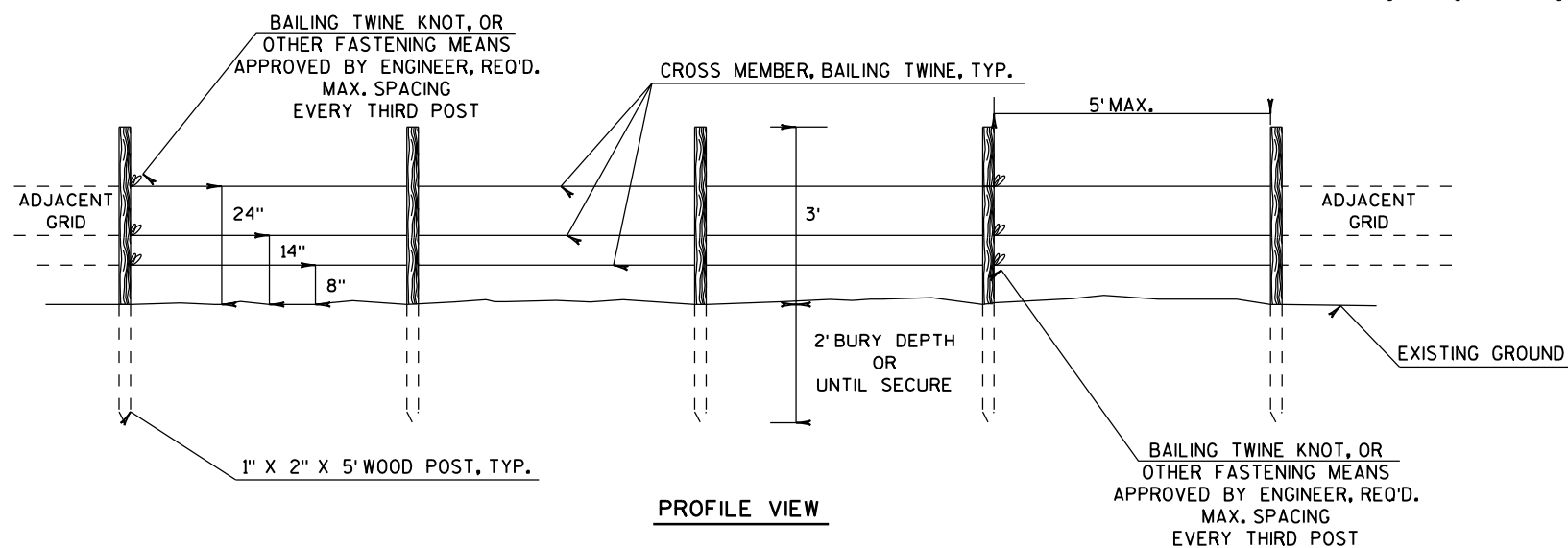
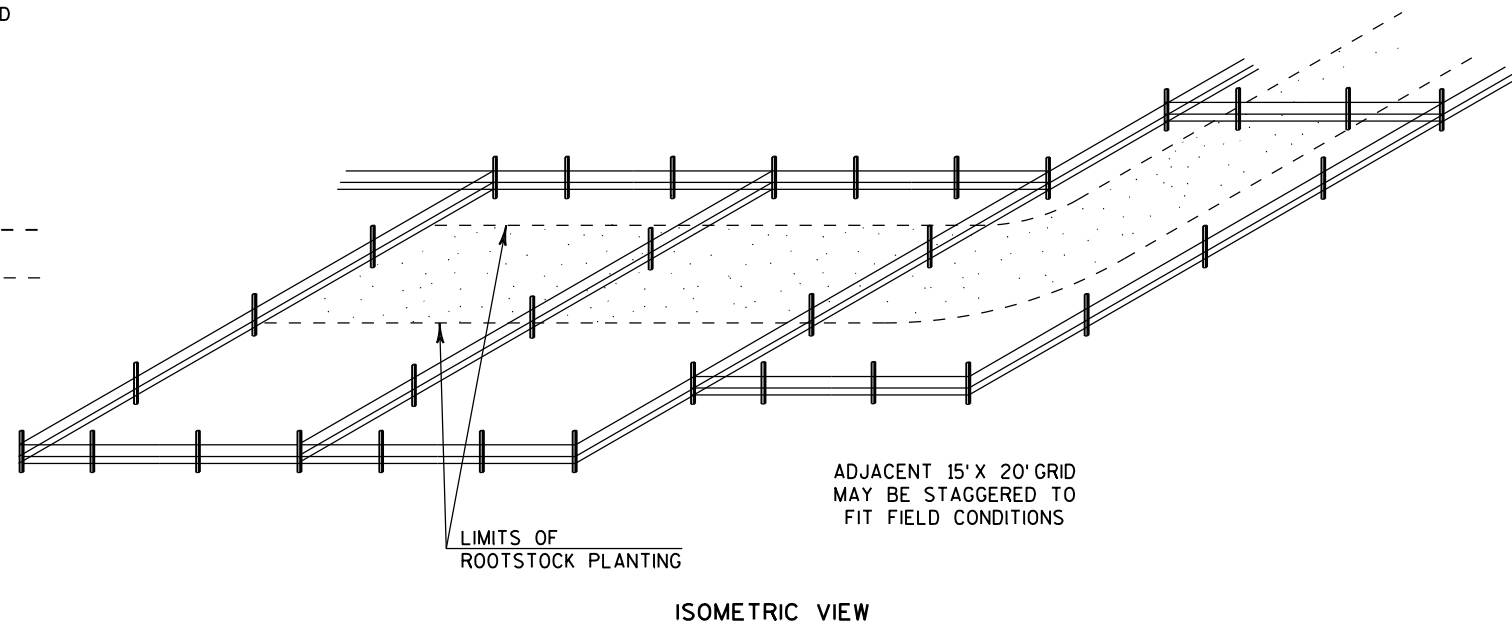
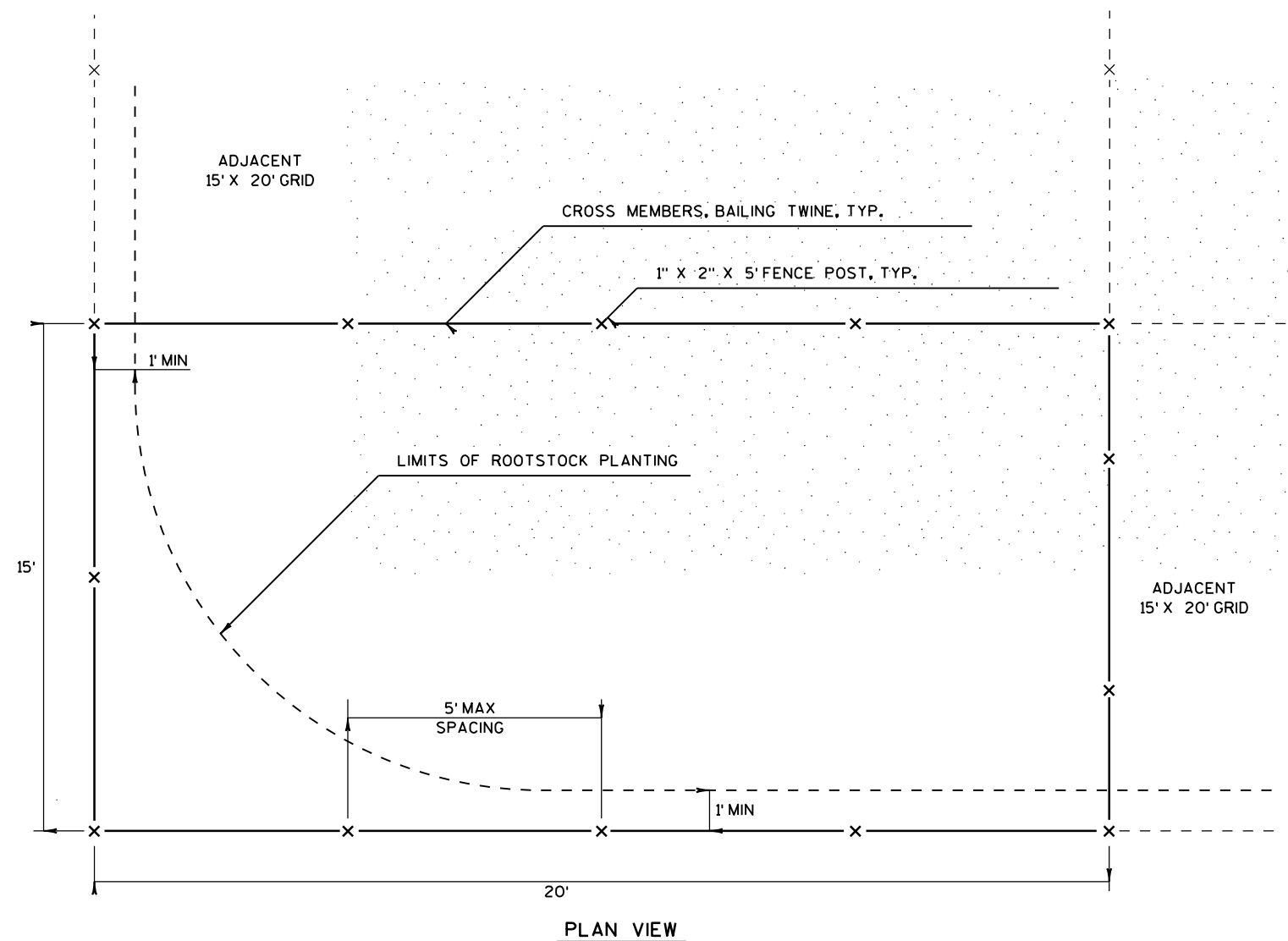
PLOT BY : SCHARLAU, DAVID A PLOT NAME :

PLOT SCALE : 1 IN:100 FT

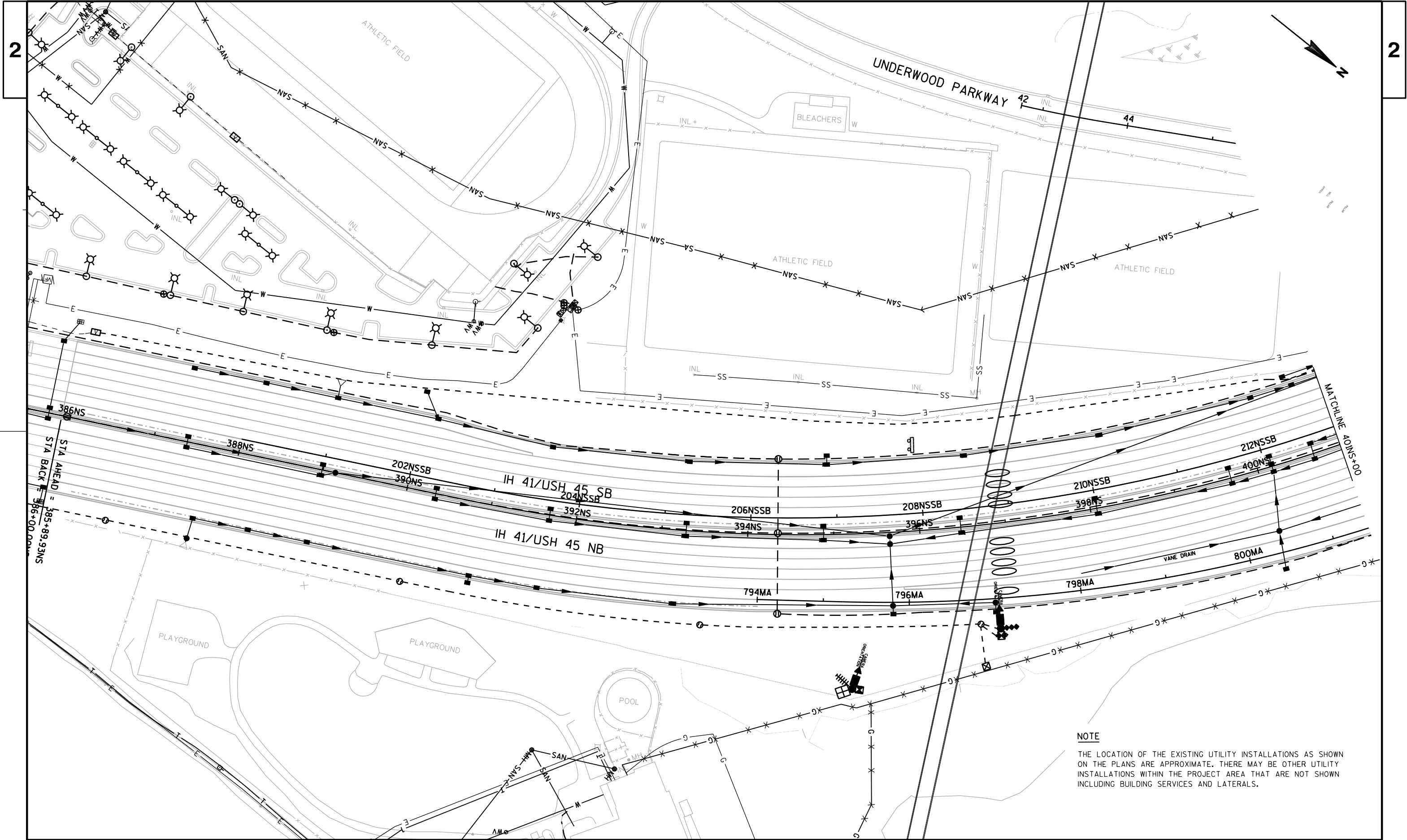
WISDOT/CADDS SHEET 42

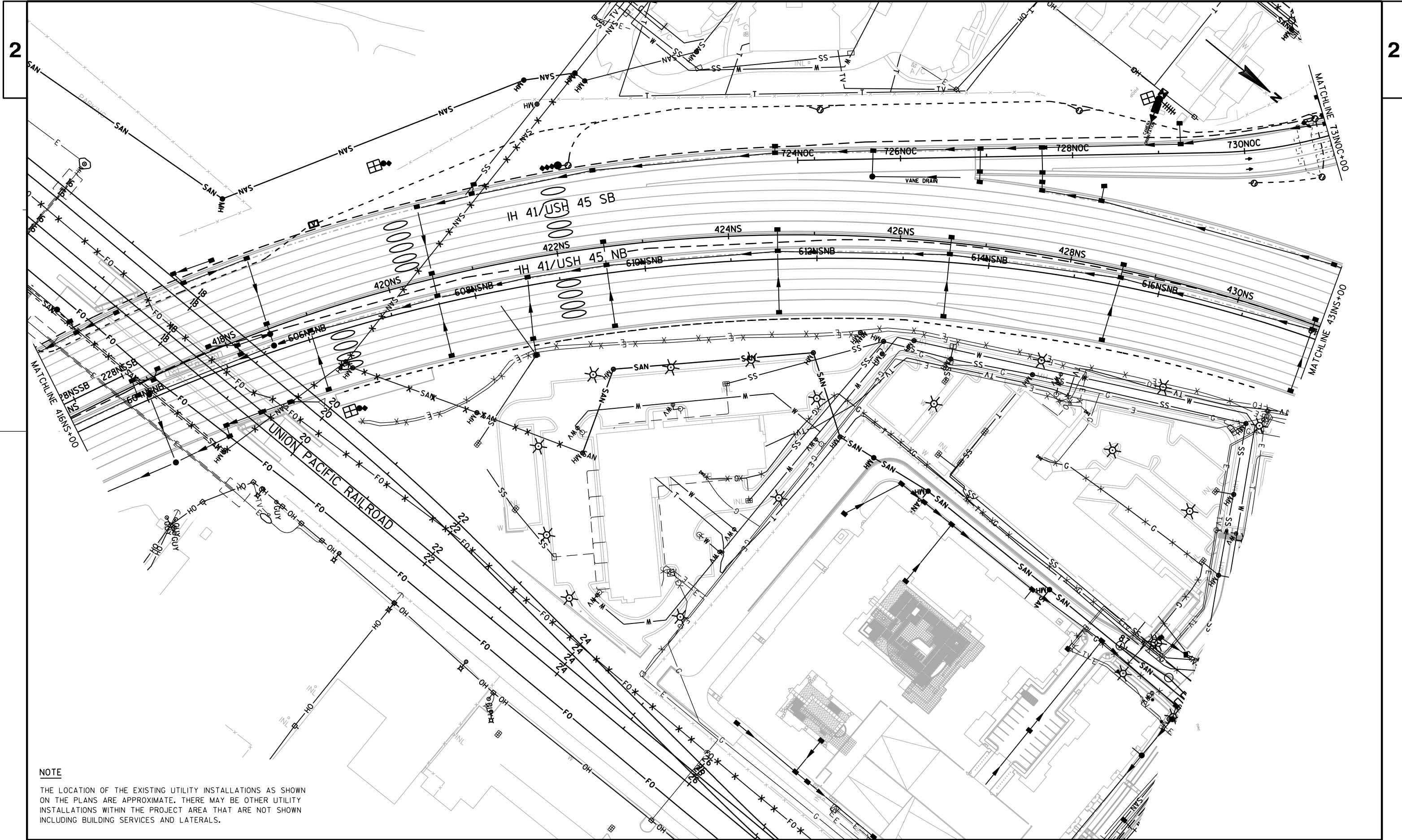


W. NORTH AVENUE OFF RAMP WB POND



ROOTSTOCK PROTECTION





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:1060-35-82

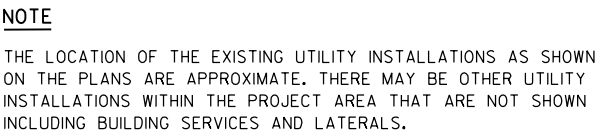
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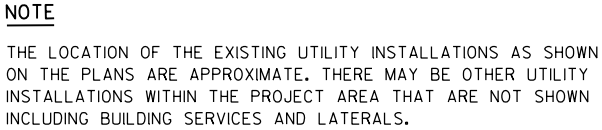
COUNTY: MILWAUKEE

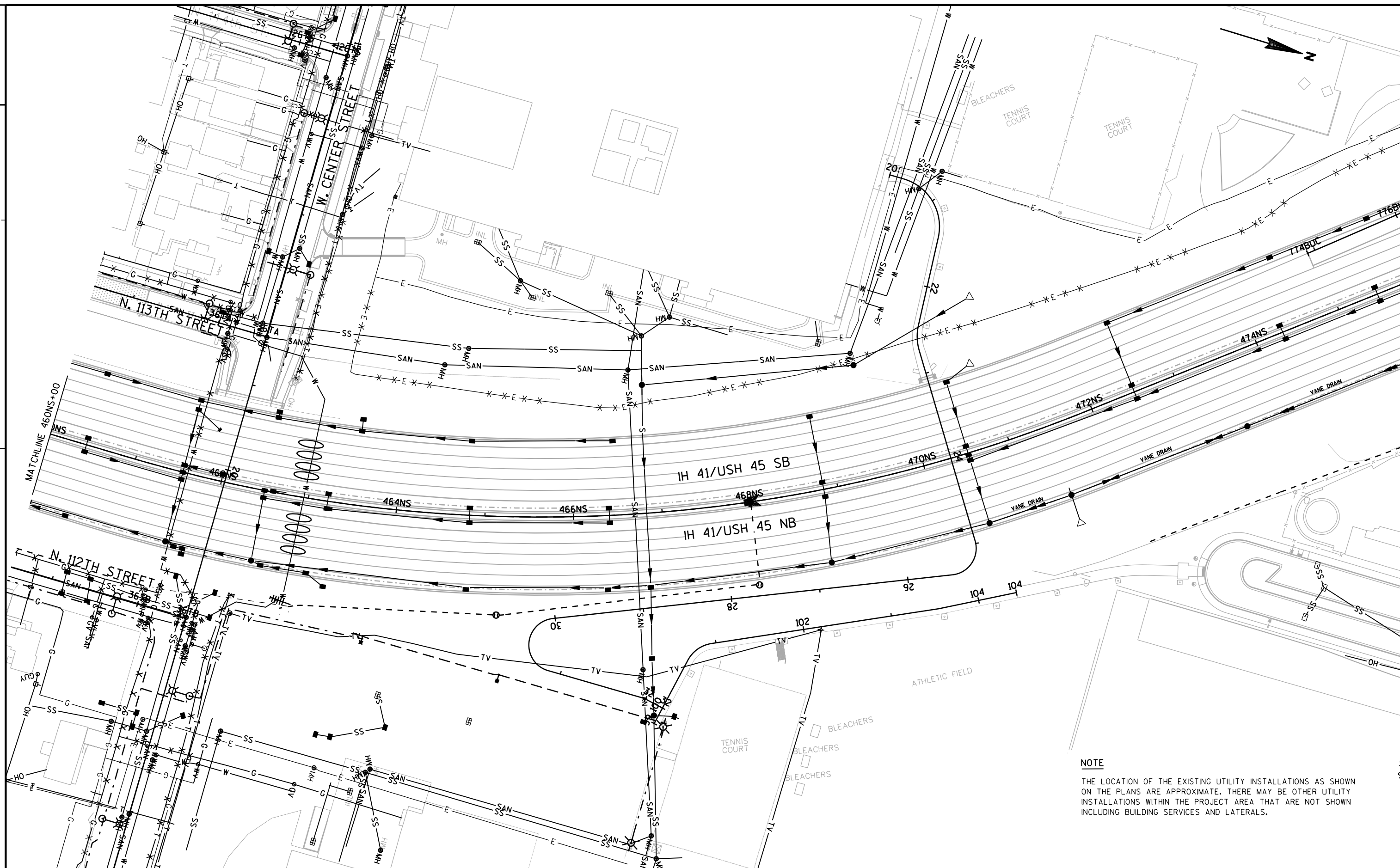
EXISTING UTILITY PLANS

SHEET PRE_12

E







PROJECT NO:1060-35-82

HWY: IH 41/USH 45

COUNTY: MILWAUKEE

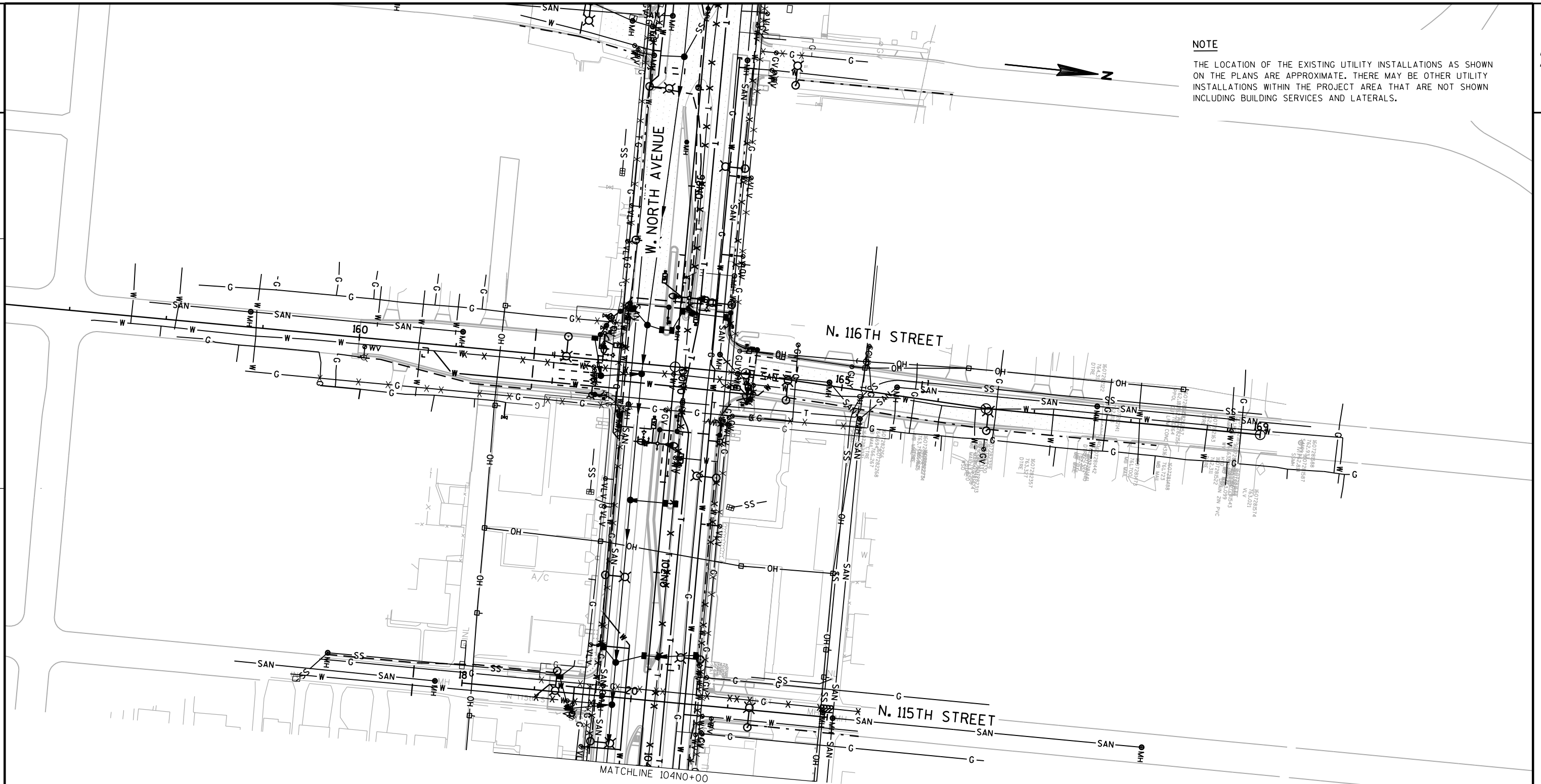
EXISTING UTILITY PLANS

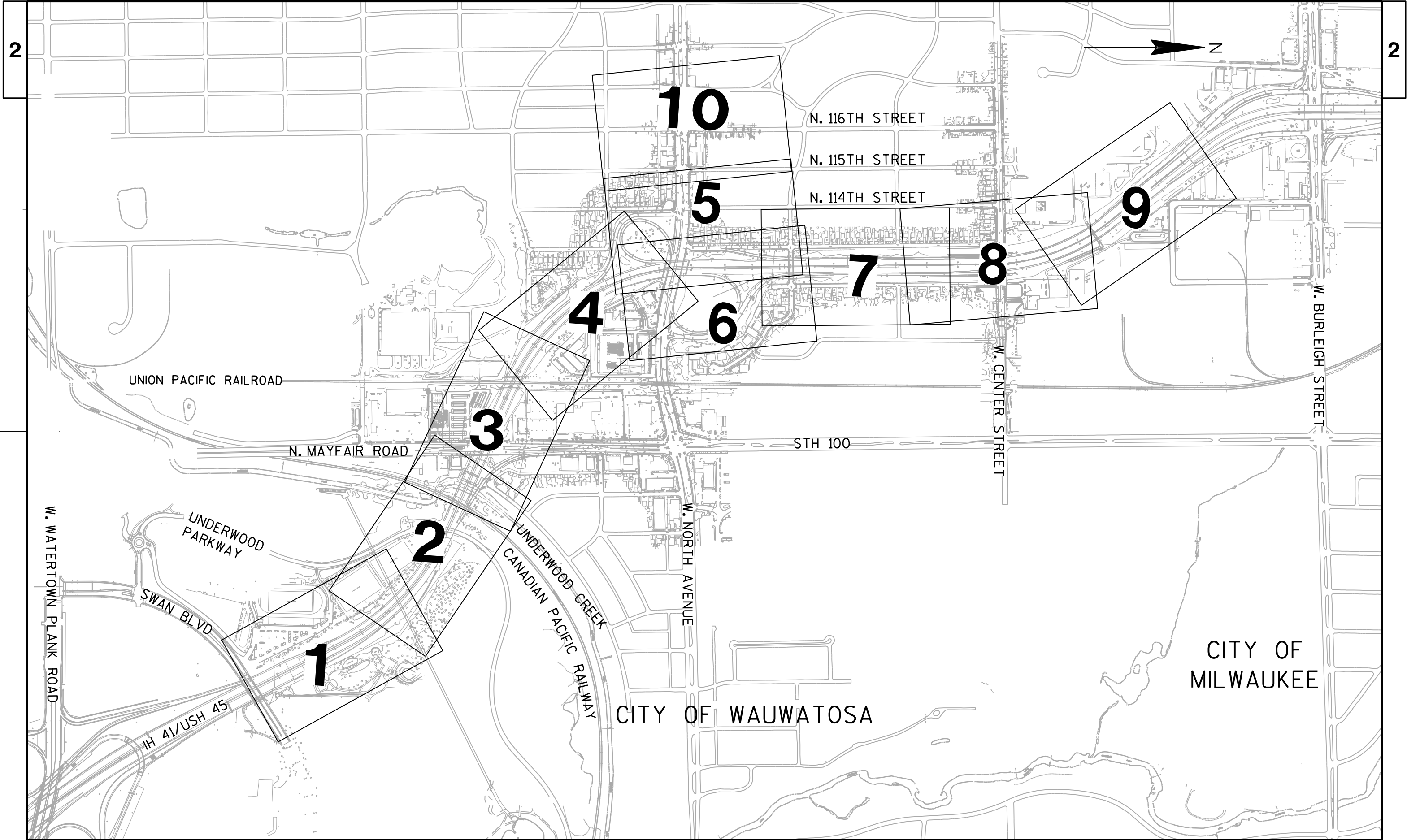
SHEET PRE_15

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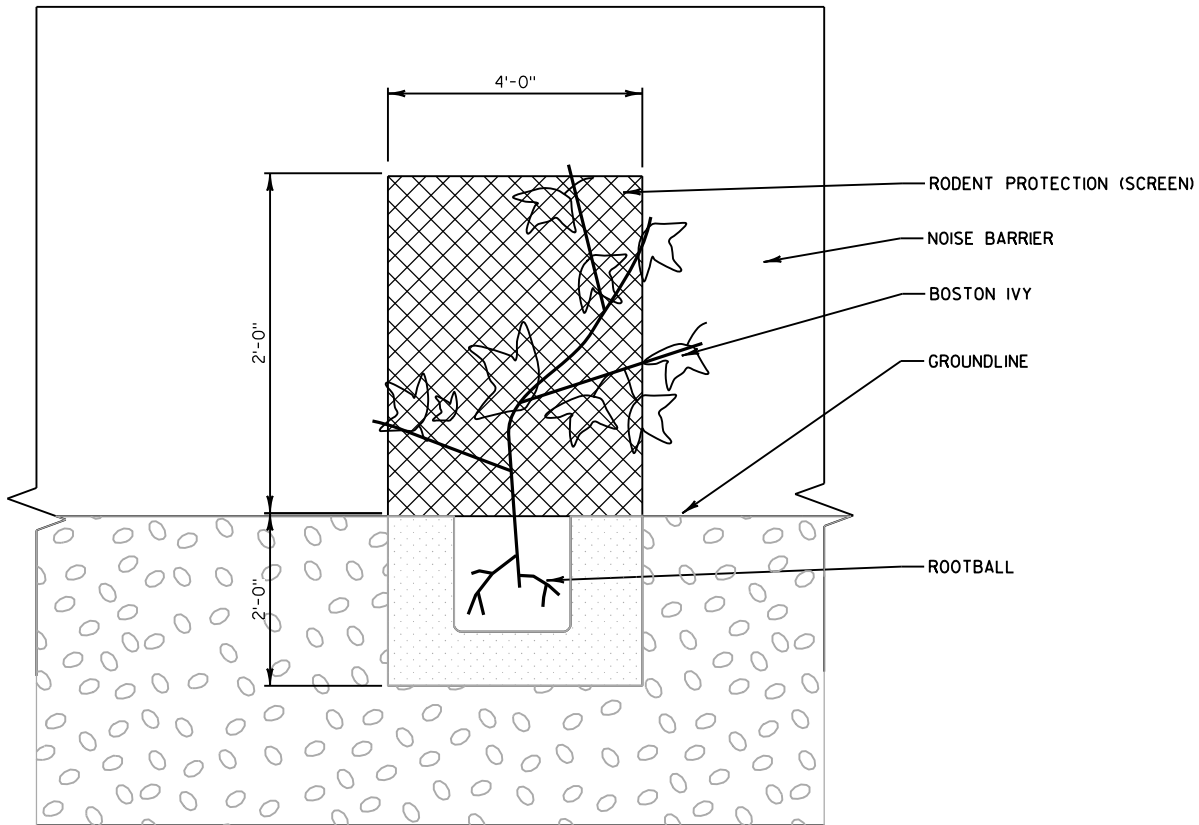
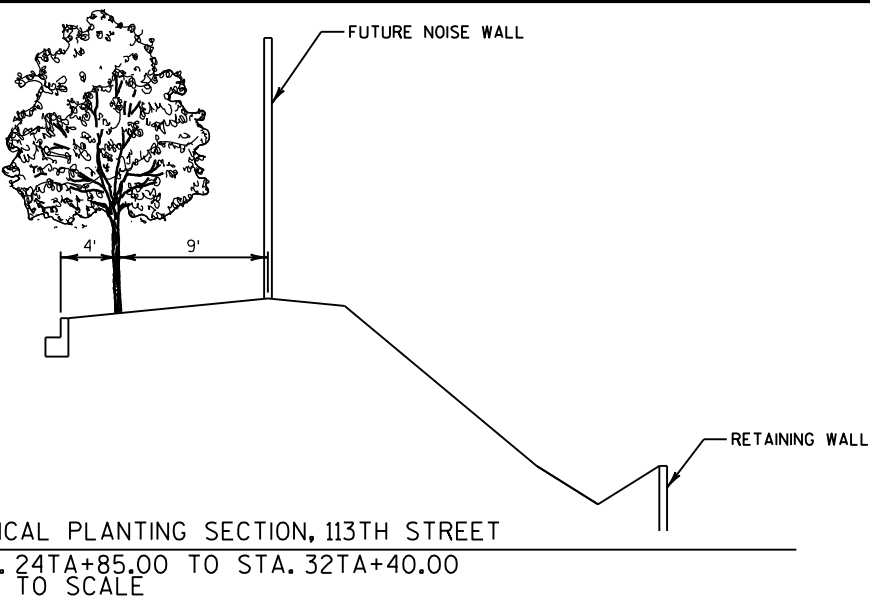
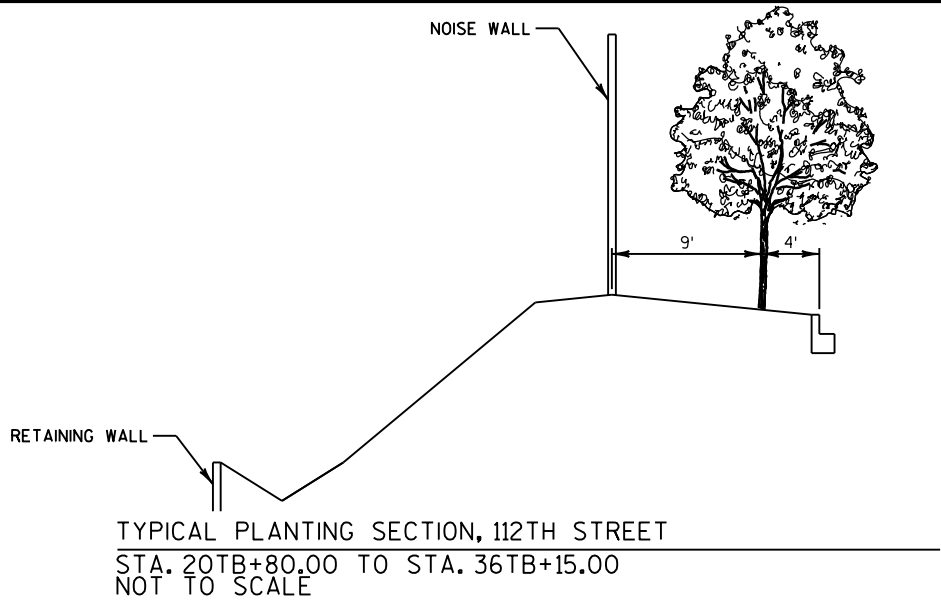
NOTE

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.

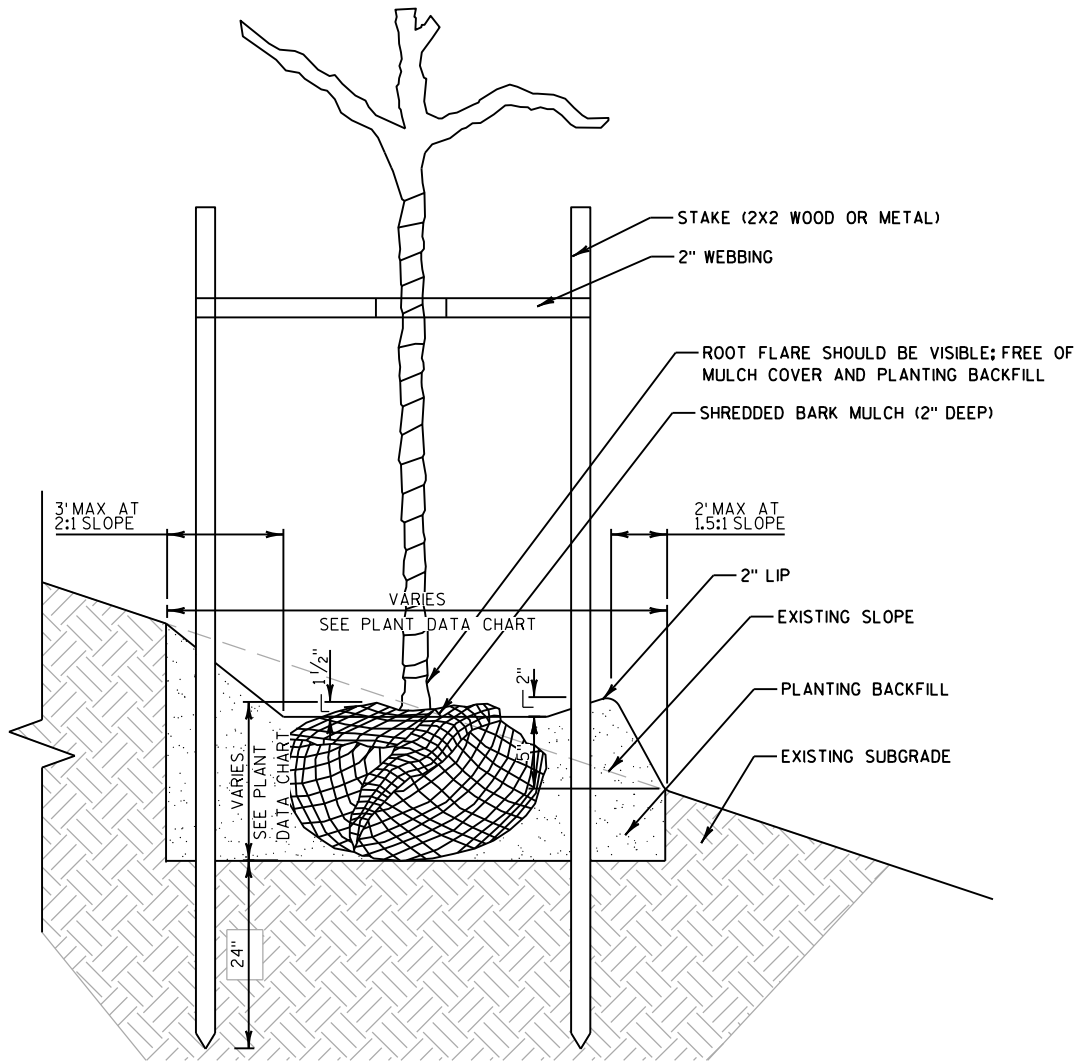




PROJECT NO:1060-35-82	HWY: IH 41/USH 45	COUNTY: MILWAUKEE	STREETSCAPING PLANS KEY MAP	SHEET PRE_17	E
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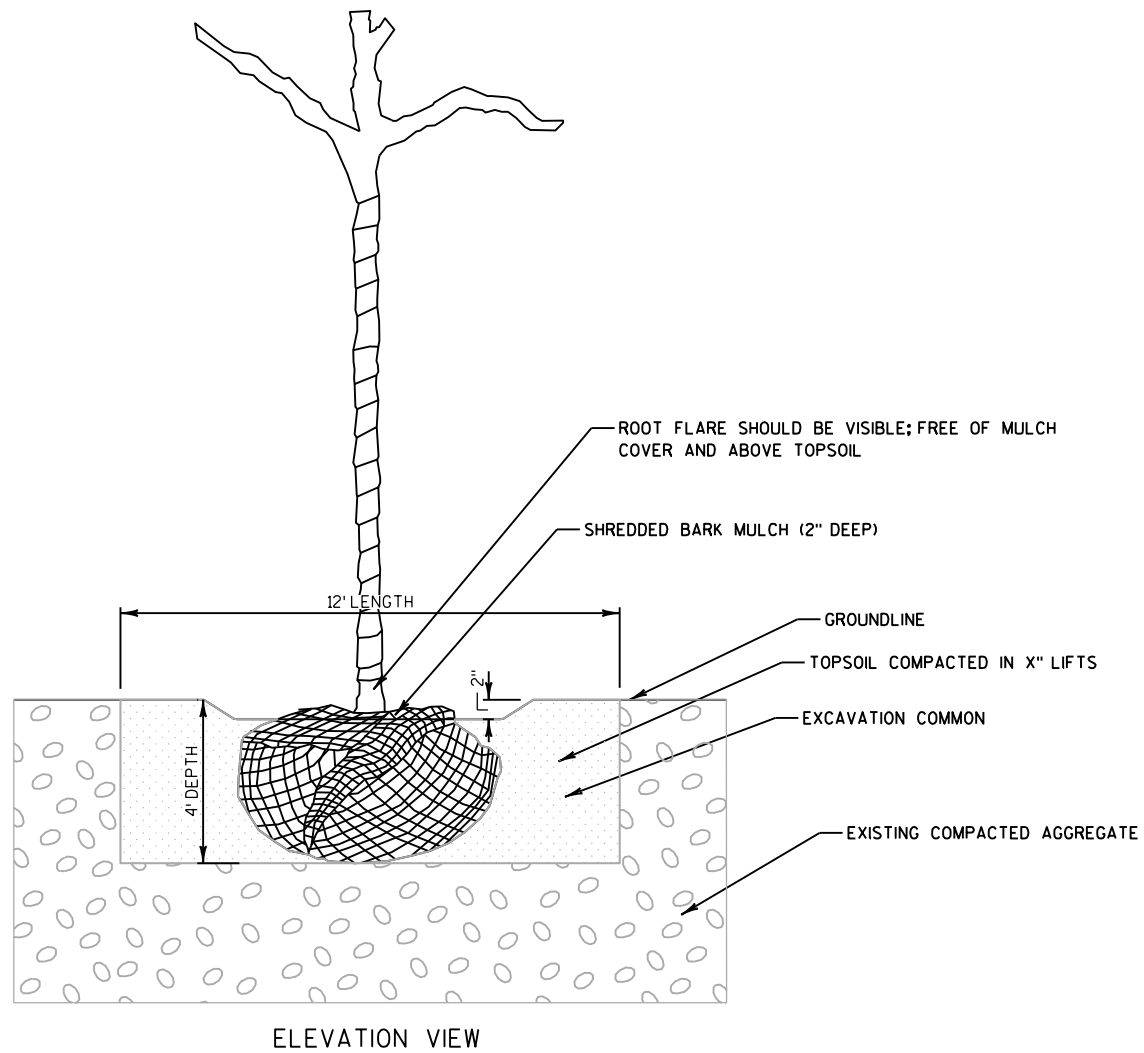


IVY DETAIL
NOT TO SCALE

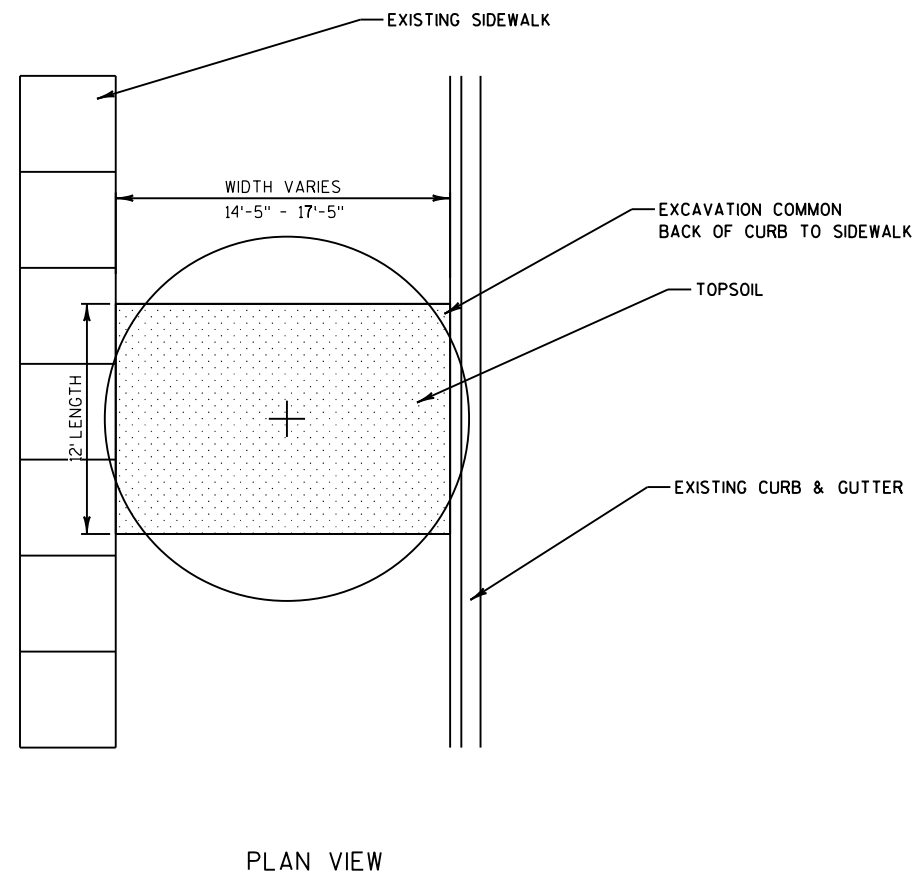


TREE PLANTING ON SLOPE
NOT TO SCALE

PLANT KEY		
SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	AE	ELM, ACCOLADE
	AGG	GINKGO, AUTUMN GOLD
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	BO	OAK, BUR
	CSO	OAK, CRIMSON SPIRE ENGLISH OAK
	SWO	OAK, SWAMP WHITE
	LPT	TREE, LONDON PLANE
DECIDUOUS TREES (ORNAMENTAL)		
	AH	HOPHORNBEAM, AMERICAN
	IMC	CRABAPPLE, 'INDIAN MAGIC'
	RRC	CRABAPPLE, 'ROYAL RAINDROPS'
	CD	DOGWOOD, CORNEILIANCHERRY
	TCH	HAWTHORN, COCKSPUR THORNLESS
	PA	PLUM, AMERICAN
	AS	SERVICEBERRY, APPLE TREEFORM
EVERGREEN		
	WF	FIR, WHITE
	CHL	CANADIAN HEMLOCK
	SSP	PINE, SWISS STONE
	T	TAMARCK
	NS	SPRUCE, NORWAY
	WS	SPRUCE, WHITE
SHRUBS		
	BC	CHOKEBERRY, BLACK
	HC	COTONEASTER, HEDGE
	GD	DOGWOOD, GRAY
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
VINES		
	BI	IVY, BOSTON
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		
4. WATERING BAGS SHALL BE INSTALLED ON ALL SHADE TREES PLANTED IN THE TERRACE ON N. 112TH STREET AND N. 113TH STREET BETWEEN W. MEINECKE AVENUE AND W. CENTER STREET		



WEST TERRACE TREE PLANTINGS ON 113TH STREET
NOT TO SCALE



PLANT KEY

SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	AE	ELM, ACCOLADE
	AGG	GINKGO, AUTUMN GOLD
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	BO	OAK, BUR
	CSO	OAK, CRIMSON SPIRE ENGLISH OAK
	SWO	OAK, SWAMP WHITE
	LPT	TREE, LONDON PLANE

DECIDUOUS TREES (ORNAMENTAL)		
	AH	HOPHORNBEAM, AMERICAN
	IMC	CRABAPPLE, 'INDIAN MAGIC'
	RRC	CRABAPPLE, 'ROYAL RAINDROPS'
	CD	DOGWOOD, CORNEILIANCHERRY
	TCH	HAWTHORN, COCKSPUR THORNLESS
	PA	PLUM, AMERICAN
	AS	SERVICEBERRY, APPLE TREEFORM

EVERGREEN		
	WF	FIR, WHITE
	CHL	CANADIAN HEMLOCK
	SSP	PINE, SWISS STONE
	T	TAMARCK
	NS	SPRUCE, NORWAY
	WS	SPRUCE, WHITE

SHRUBS		
	BC	CHOKEBERRY, BLACK
	HC	COTONEASTER, HEDGE
	GD	DOGWOOD, GRAY
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD

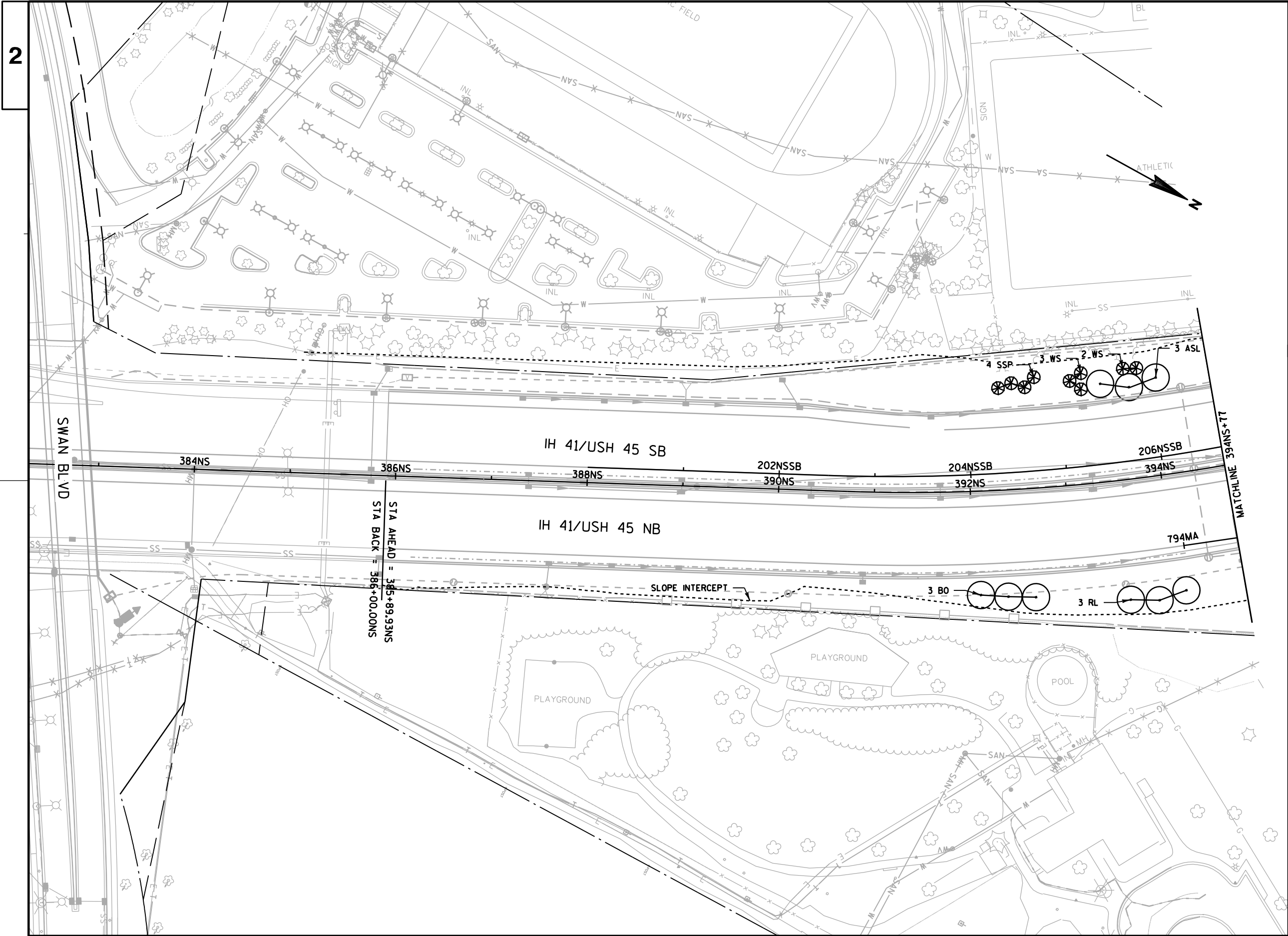
VINES		
	BI	IVY, BOSTON

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
4. WATERING BAGS SHALL BE INSTALLED ON ALL SHADE TREES PLANTED IN THE TERRACE ON N. 112TH STREET AND N. 113TH STREET BETWEEN W. MEINECKE AVENUE AND W. CENTER STREET



PLANT KEY

SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	AE	ELM, ACCOLADE
	AGG	GINKGO, AUTUMN GOLD
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	BO	OAK, BUR
	CSO	OAK, CRIMSON SPIRE ENGLISH OAK
	SWO	OAK, SWAMP WHITE
LPT	TREE, LONDON PLANE	
DECIDUOUS TREES (ORNAMENTAL)		
⊗	AH	HOPHORNBEAM, AMERICAN
	IMC	CRABAPPLE, 'INDIAN MAGIC'
	RRC	CRABAPPLE, 'ROYAL RAINDROPS'
	CD	DOGWOOD, CORNELIANCHERRY
	TCH	HAWTHORN, COCKSPUR THORNLESS
	PA	PLUM, AMERICAN
	AS	SERVICEBERRY, APPLE TREEFORM
	EVERGREEN	
⊗	WF	FIR, WHITE
	CHL	CANADIAN HEMLOCK
	SSP	PINE, SWISS STONE
	T	TAMARCK
	NS	SPRUCE, NORWAY
	WS	SPRUCE, WHITE
SHRUBS		
⊙	BC	CHOKEBERRY, BLACK
	HC	COTONEASTER, HEDGE
	GD	DOGWOOD, GRAY
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
	VINES	
⌒	BI	IVY, BOSTON
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		
4. WATERING BAGS SHALL BE INSTALLED ON ALL SHADE TREES PLANTED IN THE TERRACE ON N. 112TH STREET AND N. 113TH STREET BETWEEN W. MEINECKE AVENUE AND W. CENTER STREET		
SHEET 1 OF 10		

PROJECT NO:1060-35-82

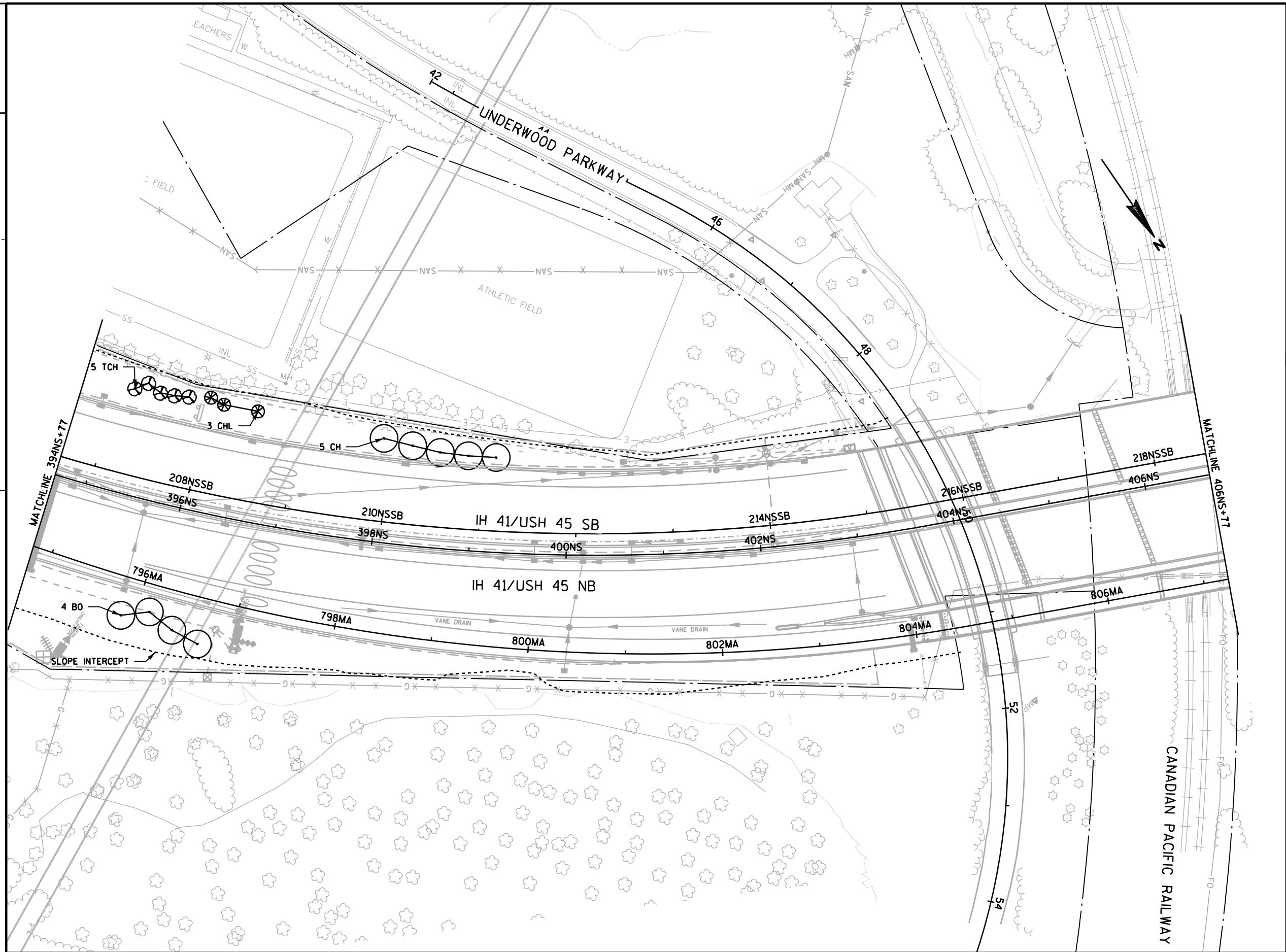
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COUNTY: MILWAUKEE

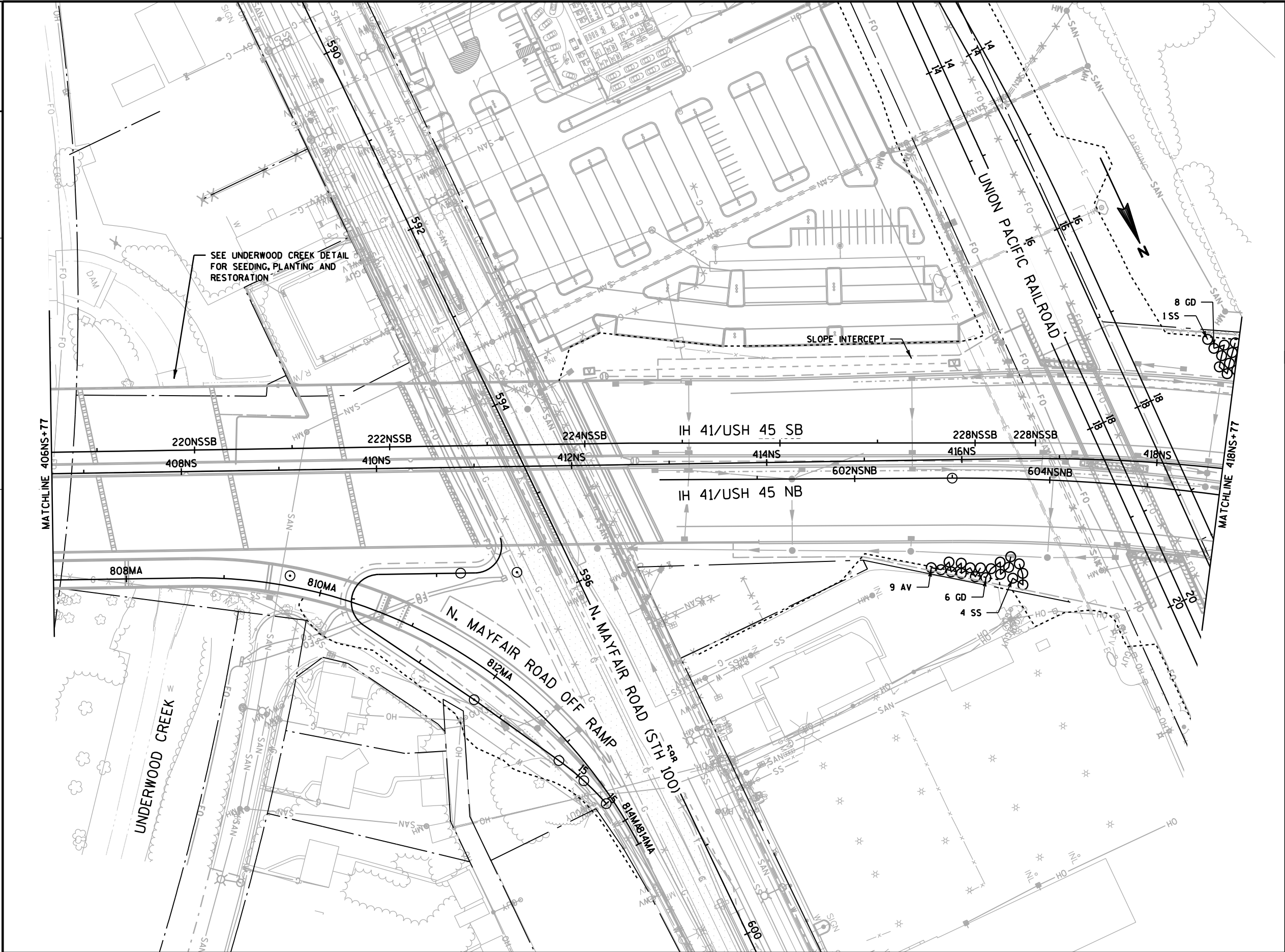
STREETSCAPING PLANS

SHEET PRE_20

E



PLANT KEY		
SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	AE	ELM, ACCOLADE
	AGG	GINKGO, AUTUMN GOLD
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	BO	OAK, BUR
	CSO	OAK, CRIMSON SPIRE ENGLISH OAK
	SWO	OAK, SWAMP WHITE
LPT	TREE, LONDON PLANE	
DECIDUOUS TREES (ORNAMENTAL)		
	AH	HOPHORNBEAM, AMERICAN
	IMC	CRABAPPLE, 'INDIAN MAGIC'
	RRC	CRABAPPLE, 'ROYAL RAINDROPS'
	CD	DOGWOOD, CORNEILIANCHERRY
	TCH	HAWTHORN, COCKSPUR THORNLESS
	PA	PLUM, AMERICAN
	AS	SERVICEBERRY, APPLE TREEFORM
EVERGREEN		
	WF	FIR, WHITE
	CHL	CANADIAN HEMLOCK
	SSP	PINE, SWISS STONE
	T	TAMARCK
	NS	SPRUCE, NORWAY
	WS	SPRUCE, WHITE
SHRUBS		
	BC	CHOKEBERRY, BLACK
	HC	COTONEASTER, HEDGE
	GD	DOGWOOD, GRAY
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
VINES		
	BI	IVY, BOSTON
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 4. WATERING BAGS SHALL BE INSTALLED ON ALL SHADE TREES PLANTED IN THE TERRACE ON N. 112TH STREET AND N. 113TH STREET BETWEEN W. MEINECKE AVENUE AND W. CENTER STREET		
SHEET 2 OF 10		



PLANT KEY

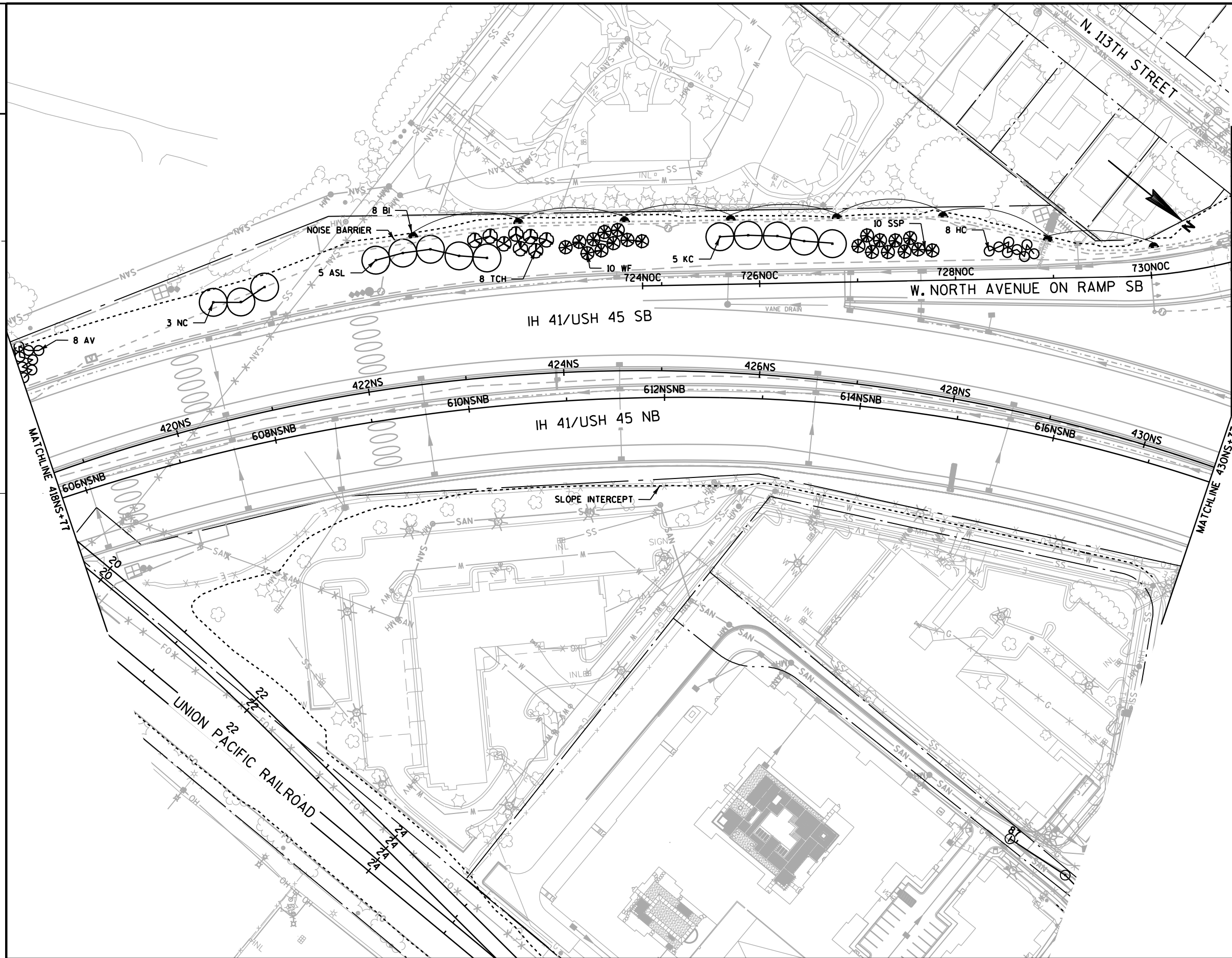
SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	AE	ELM, ACCOLADE
	AGG	GINKGO, AUTUMN GOLD
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	BO	OAK, BUR
	CSO	OAK, CRIMSON SPIRE ENGLISH OAK
	SWO	OAK, SWAMP WHITE
LPT	TREE, LONDON PLANE	
DECIDUOUS TREES (ORNAMENTAL)		
⊗	AH	HOPHORNBEAM, AMERICAN
	IMC	CRABAPPLE, 'INDIAN MAGIC'
	RRC	CRABAPPLE, 'ROYAL RAINDROPS'
	CD	DOGWOOD, CORNEILIANCHERRY
	TCH	HAWTHORN, COCKSPUR THORNLESS
	PA	PLUM, AMERICAN
	AS	SERVICEBERRY, APPLE TREEFORM
EVERGREEN		
⊗	WF	FIR, WHITE
	CHL	CANADIAN HEMLOCK
	SSP	PINE, SWISS STONE
	T	TAMARCK
	NS	SPRUCE, NORWAY
	WS	SPRUCE, WHITE
SHRUBS		
⊗	BC	CHOKEBERRY, BLACK
	HC	COTONEASTER, HEDGE
	GD	DOGWOOD, GRAY
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
VINES		
⌒	BI	IVY, BOSTON

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
4. WATERING BAGS SHALL BE INSTALLED ON ALL SHADE TREES PLANTED IN THE TERRACE ON N. 112TH STREET AND N. 113TH STREET BETWEEN W. MEINECKE AVENUE AND W. CENTER STREET

SHEET 3 OF 10



PLANT KEY

SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	AE	ELM, ACCOLADE
	AGG	GINKGO, AUTUMN GOLD
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	BO	OAK, BUR
	CSO	OAK, CRIMSON SPIRE ENGLISH OAK
	SWO	OAK, SWAMP WHITE
LPT	TREE, LONDON PLANE	
DECIDUOUS TREES (ORNAMENTAL)		
⊗	AH	HOPHORNBEAM, AMERICAN
	IMC	CRABAPPLE, 'INDIAN MAGIC'
	RRC	CRABAPPLE, 'ROYAL RAINDROPS'
	CD	DOGWOOD, CORNEILIANCHERRY
	TCH	HAWTHORN, COCKSPUR THORNLESS
	PA	PLUM, AMERICAN
	AS	SERVICEBERRY, APPLE TREEFORM
	EVERGREEN	
⊗	WF	FIR, WHITE
	CHL	CANADIAN HEMLOCK
	SSP	PINE, SWISS STONE
	T	TAMARCK
	NS	SPRUCE, NORWAY
	WS	SPRUCE, WHITE
SHRUBS		
⊙	BC	CHOKEBERRY, BLACK
	HC	COTONEASTER, HEDGE
	GD	DOGWOOD, GRAY
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
VINES		
—	BI	IVY, BOSTON

LEGEND

▲

RETAINING WALL

—

FENCE

⊙

LIGHT POLE

⊗

PLUG LOCATION

NOTE:

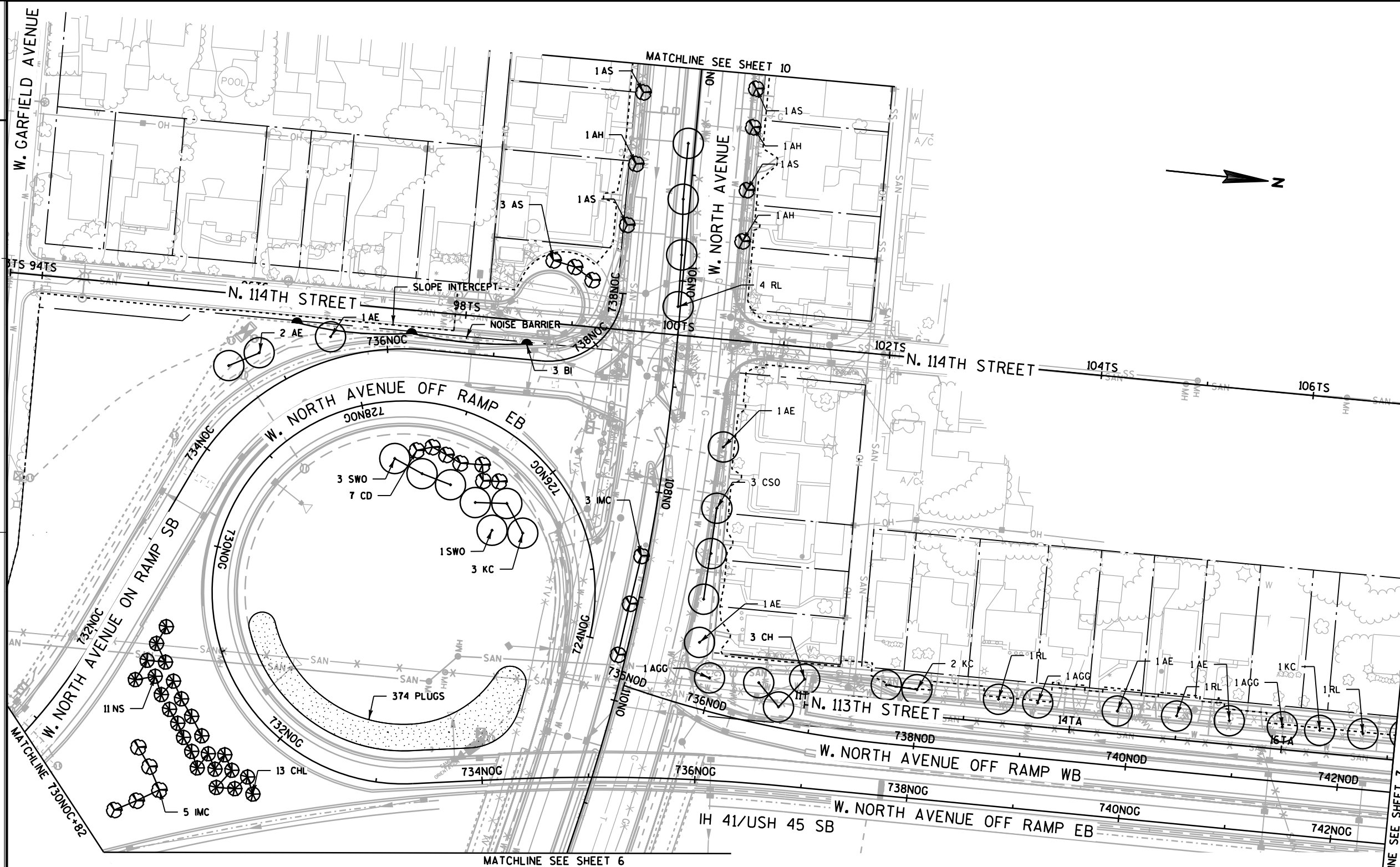
1. ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES

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

4. WATERING BAGS SHALL BE INSTALLED ON ALL SHADE TREES PLANTED IN THE TERRACE ON N. 112TH STREET AND N. 113TH STREET BETWEEN W. MEINECKE AVENUE AND W. CENTER STREET

SHEET 4 OF 10



PLANT KEY

SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	AE	ELM, ACCOLADE
	AGG	GINKGO, AUTUMN GOLD
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	BO	OAK, BUR
	CSO	OAK, CRIMSON SPIRE ENGLISH OAK
	SWO	OAK, SWAMP WHITE
	LPT	TREE, LONDON PLANE

DECIDUOUS TREES (ORNAMENTAL)

	AH	HOPHORNBEAM, AMERICAN
	IMC	CRABAPPLE, 'INDIAN MAGIC'
	RRC	CRABAPPLE, 'ROYAL RAINDROPS'
	CD	DOGWOOD, CORNEILANCHERRY
	TCH	HAWTHORN, COCKSPUR THORNLESS
	PA	PLUM, AMERICAN
	AS	SERVICEBERRY, APPLE TREEFORM

EVERGREEN

	WF	FIR, WHITE
	CHL	CANADIAN HEMLOCK
	SSP	PINE, SWISS STONE
	T	TAMARCK
	NS	SPRUCE, NORWAY
	WS	SPRUCE, WHITE

SHRUBS

	BC	CHOKEBERRY, BLACK
	HC	COTONEASTER, HEDGE
	GD	DOGWOOD, GRAY
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD

VINES

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

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
4. WATERING BAGS SHALL BE INSTALLED ON ALL SHADE TREES PLANTED IN THE TERRACE ON N. 112TH STREET AND N. 113TH STREET BETWEEN W. MEINECKE AVENUE AND W. CENTER STREET

SHEET 5 OF 10

PROJECT NO: 1060-35-82

HWY: IH 41/USH 45

COUNTY: MILWAUKEE

STREETSCAPING PLANS

SHEET PRE_24

E

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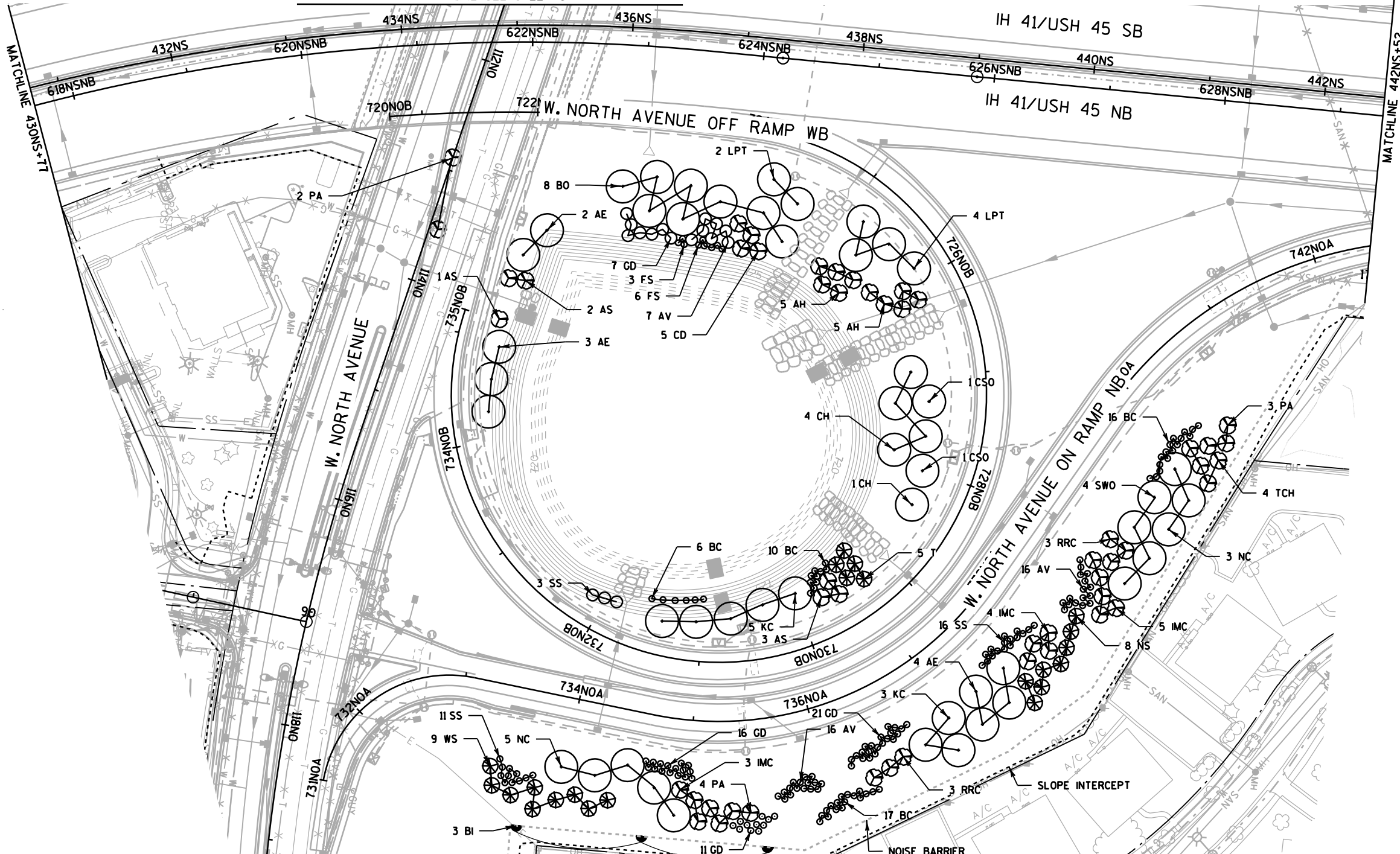
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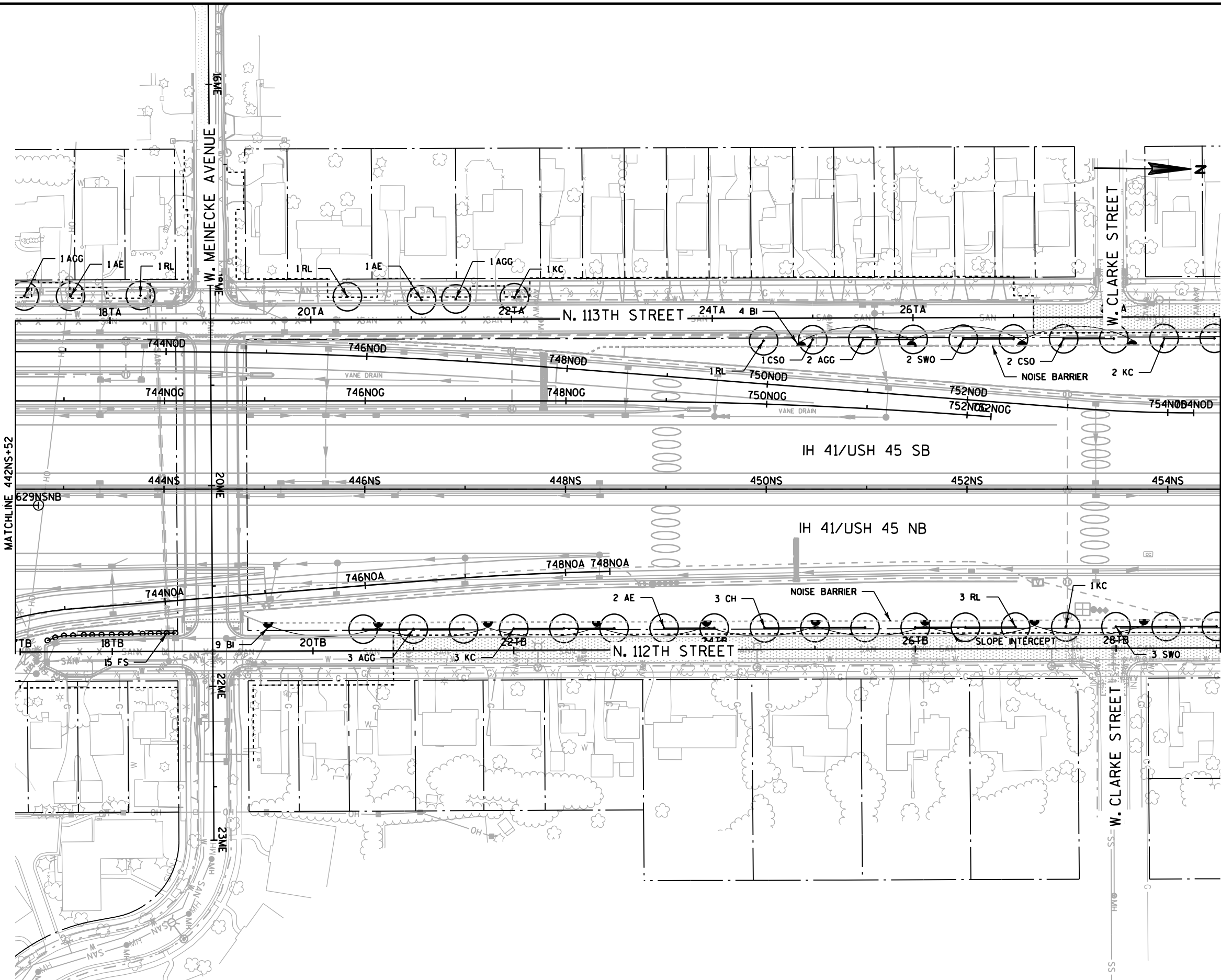
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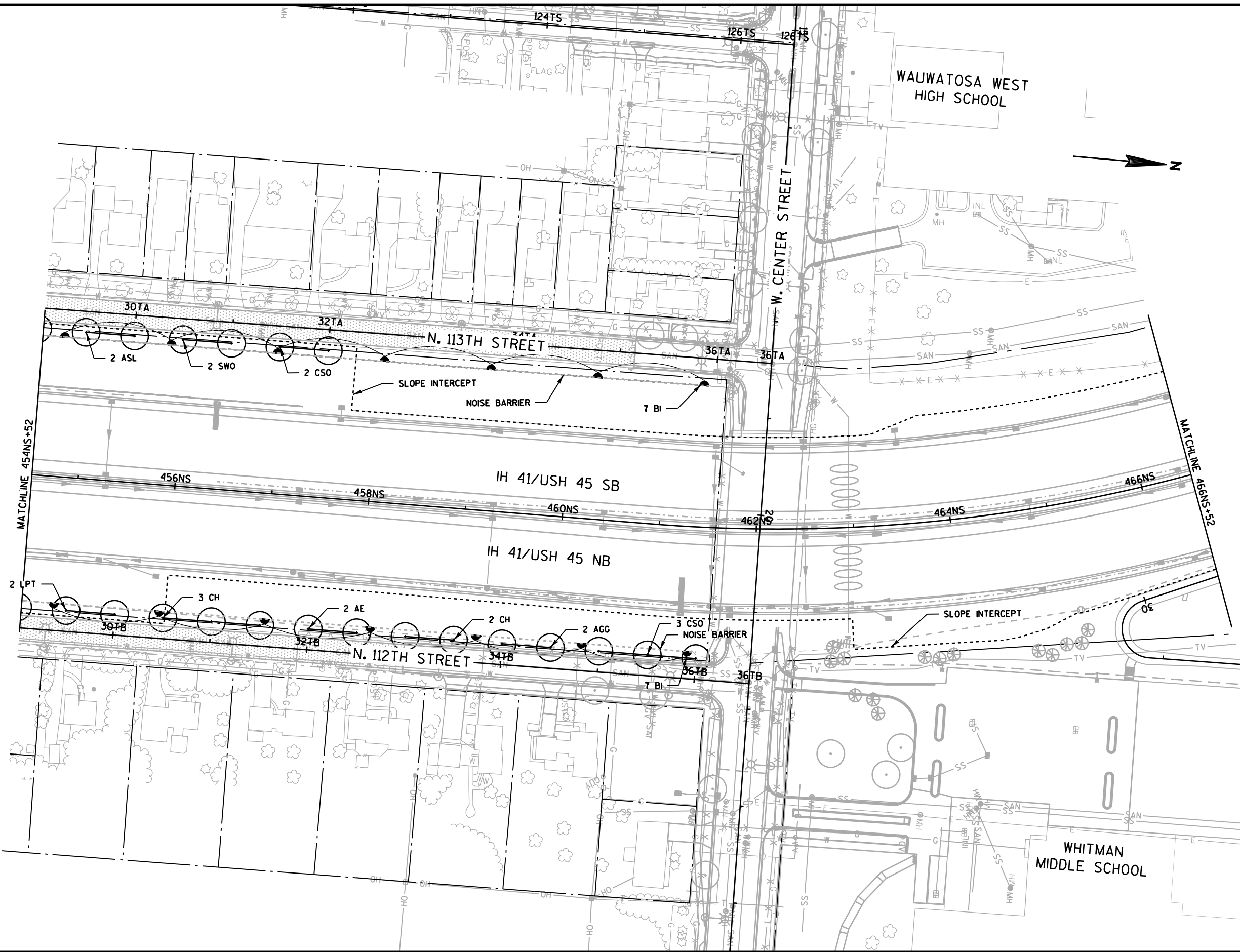
WISDOT/CADDs SHEET 42



PLANT KEY		
SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	AE	ELM, ACCOLADE
	AGG	GINKGO, AUTUMN GOLD
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	BO	OAK, BUR
	CSO	OAK, CRIMSON SPIRE ENGLISH OAK
	SWO	OAK, SWAMP WHITE
LPT	TREE, LONDON PLANE	
DECIDUOUS TREES (ORNAMENTAL)		
	AH	HOPHORNBEAM, AMERICAN
	IMC	CRABAPPLE, 'INDIAN MAGIC'
	RRC	CRABAPPLE, 'ROYAL RAINDROPS'
	CD	DOGWOOD, CORNEILIANCHERRY
	TCH	HAWTHORN, COCKSPUR THORNLESS
	PA	PLUM, AMERICAN
	AS	SERVICEBERRY, APPLE TREEFORM
EVERGREEN		
	WF	FIR, WHITE
	CHL	CANADIAN HEMLOCK
	SSP	PINE, SWISS STONE
	T	TAMARCK
	NS	SPRUCE, NORWAY
	WS	SPRUCE, WHITE
SHRUBS		
	BC	CHOKEBERRY, BLACK
	HC	COTONEASTER, HEDGE
	GD	DOGWOOD, GRAY
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
VINES		
	BI	IVY, BOSTON
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		
4. WATERING BAGS SHALL BE INSTALLED ON ALL SHADE TREES PLANTED IN THE TERRACE ON N. 112TH STREET AND N. 113TH STREET BETWEEN W. MEINECKE AVENUE AND W. CENTER STREET		
SHEET 6 OF 10		



PLANT KEY		
SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	AE	ELM, ACCOLADE
	AGG	GINKGO, AUTUMN GOLD
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	BO	OAK, BUR
	CSO	OAK, CRIMSON SPIRE ENGLISH OAK
	SWO	OAK, SWAMP WHITE
LPT	TREE, LONDON PLANE	
DECIDUOUS TREES (ORNAMENTAL)		
⊗	AH	HOPHORNBEAM, AMERICAN
	IMC	CRABAPPLE, 'INDIAN MAGIC'
	RRC	CRABAPPLE, 'ROYAL RAINDROPS'
	CD	DOGWOOD, CORNELIANCHERRY
	TCH	HAWTHORN, COCKSPUR THORNLESS
	PA	PLUM, AMERICAN
	AS	SERVICEBERRY, APPLE TREEFORM
	EVERGREEN	
⊗	WF	FIR, WHITE
	CHL	CANADIAN HEMLOCK
	SSP	PINE, SWISS STONE
	T	TAMARCK
	NS	SPRUCE, NORWAY
	WS	SPRUCE, WHITE
SHRUBS		
⊗	BC	CHOKEBERRY, BLACK
	HC	COTONEASTER, HEDGE
	GD	DOGWOOD, GRAY
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
VINES		
—	BI	IVY, BOSTON
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		
4. WATERING BAGS SHALL BE INSTALLED ON ALL SHADE TREES PLANTED IN THE TERRACE ON N. 112TH STREET AND N. 113TH STREET BETWEEN W. MEINECKE AVENUE AND W. CENTER STREET		
SHEET 7 OF 10		



PLANT KEY		
SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	AE	ELM, ACCOLADE
	AGG	GINKGO, AUTUMN GOLD
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	BO	OAK, BUR
	CSO	OAK, CRIMSON SPIRE ENGLISH OAK
	SWO	OAK, SWAMP WHITE
	LPT	TREE, LONDON PLANE

DECIDUOUS TREES (ORNAMENTAL)		
SYM.	ABBR.	COMMON NAME
	AH	HOPHORNBEAM, AMERICAN
	IMC	CRABAPPLE, 'INDIAN MAGIC'
	RRC	CRABAPPLE, 'ROYAL RAINDROPS'
	CD	DOGWOOD, CORNEILIANCHERRY
	TCH	HAWTHORN, COCKSPUR THORNLESS
	PA	PLUM, AMERICAN
	AS	SERVICEBERRY, APPLE TREEFORM

EVERGREEN		
SYM.	ABBR.	COMMON NAME
	WF	FIR, WHITE
	CHL	CANADIAN HEMLOCK
	SSP	PINE, SWISS STONE
	T	TAMARCK
	NS	SPRUCE, NORWAY
	WS	SPRUCE, WHITE

SHRUBS		
SYM.	ABBR.	COMMON NAME
	BC	CHOKEBERRY, BLACK
	HC	COTONEASTER, HEDGE
	GD	DOGWOOD, GRAY
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD

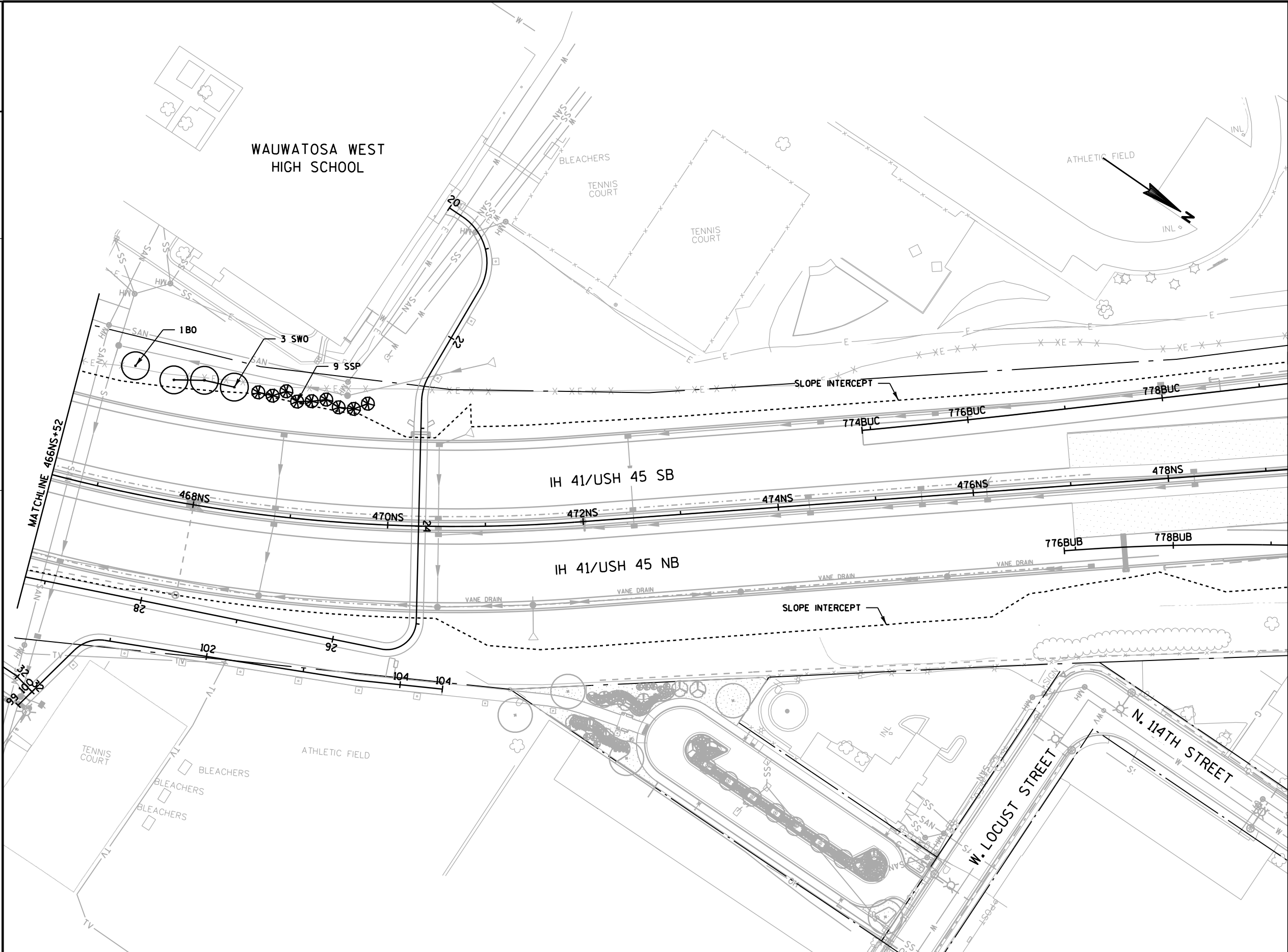
VINES		
SYM.	ABBR.	COMMON NAME
	BI	IVY, BOSTON

LEGEND	
	RETAINING WALL
	FENCE
	LIGHT POLE
	PLUG LOCATION

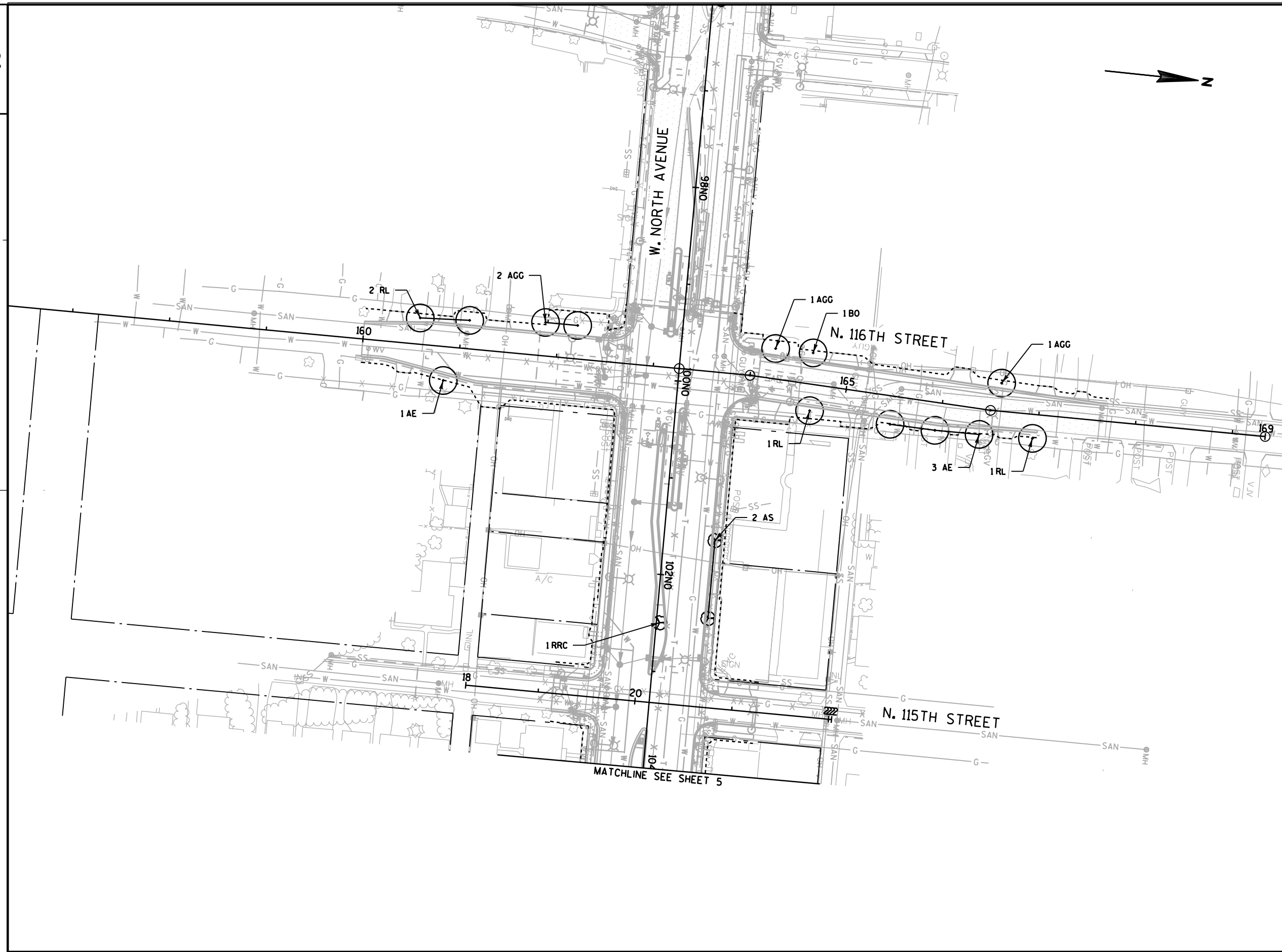
NOTE:

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
4. WATERING BAGS SHALL BE INSTALLED ON ALL SHADE TREES PLANTED IN THE TERRACE ON N. 112TH STREET AND N. 113TH STREET BETWEEN W. MEINECKE AVENUE AND W. CENTER STREET

SHEET 8 OF 10



PLANT KEY		
SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	AE	ELM, ACCOLADE
	AGG	GINKGO, AUTUMN GOLD
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	BO	OAK, BUR
	CSO	OAK, CRIMSON SPIRE ENGLISH OAK
	SWO	OAK, SWAMP WHITE
LPT	TREE, LONDON PLANE	
DECIDUOUS TREES (ORNAMENTAL)		
⊗	AH	HOPHORNBEAM, AMERICAN
	IMC	CRABAPPLE, 'INDIAN MAGIC'
	RRC	CRABAPPLE, 'ROYAL RAINDROPS'
	CD	DOGWOOD, CORNEILIANCHERRY
	TCH	HAWTHORN, COCKSPUR THORNLESS
	PA	PLUM, AMERICAN
	AS	SERVICEBERRY, APPLE TREEFORM
EVERGREEN		
⊗	WF	FIR, WHITE
	CHL	CANADIAN HEMLOCK
	SSP	PINE, SWISS STONE
	T	TAMARCK
	NS	SPRUCE, NORWAY
	WS	SPRUCE, WHITE
	SHRUBS	
○	BC	CHOKEBERRY, BLACK
	HC	COTONEASTER, HEDGE
	GD	DOGWOOD, GRAY
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
	VINES	
—	BI	IVY, BOSTON
	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		
4. WATERING BAGS SHALL BE INSTALLED ON ALL SHADE TREES PLANTED IN THE TERRACE ON N. 112TH STREET AND N. 113TH STREET BETWEEN W. MEINECKE AVENUE AND W. CENTER STREET		
SHEET 9 OF 10		



PLANT KEY

SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, KENTUCKY
	AE	ELM, ACCOLADE
	AGG	GINKGO, AUTUMN GOLD
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	BO	OAK, BUR
	CSO	OAK, CRIMSON SPIRE ENGLISH OAK
	SWO	OAK, SWAMP WHITE
LPT	TREE, LONDON PLANE	
DECIDUOUS TREES (ORNAMENTAL)		
⊗	AH	HOPHORNBEAM, AMERICAN
	IMC	CRABAPPLE, 'INDIAN MAGIC'
	RRC	CRABAPPLE, 'ROYAL RAINDROPS'
	CD	DOGWOOD, CORNEILIANCHERRY
	TCH	HAWTHORN, COCKSPUR THORNLESS
	PA	PLUM, AMERICAN
	AS	SERVICEBERRY, APPLE TREEFORM
EVERGREEN		
⊗	WF	FIR, WHITE
	CHL	CANADIAN HEMLOCK
	SSP	PINE, SWISS STONE
	T	TAMARCK
	NS	SPRUCE, NORWAY
	WS	SPRUCE, WHITE
SHRUBS		
⊗	BC	CHOKEBERRY, BLACK
	HC	COTONEASTER, HEDGE
	GD	DOGWOOD, GRAY
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
VINES		
⌒	BI	IVY, BOSTON
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		
4. WATERING BAGS SHALL BE INSTALLED ON ALL SHADE TREES PLANTED IN THE TERRACE ON N. 112TH STREET AND N. 113TH STREET BETWEEN W. MEINECKE AVENUE AND W. CENTER STREET		
SHEET 10 OF 10		

	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 DIAM.	DEPTH	SIZE DIAM.	DEPTH				

LARGE DECIDUOUS TREES

NC	Catalpa, Northern	Catalpa speciosa	1T	50'	2 1/2" CAL	B&B	28"	17"	52"	17"	GUY	4	NO	64"
KC	Coffeetree, Kentucky	Gymnocladus dioica	1T	50'	2 1/2" CAL	B&B	28"	17"	52"	17"	GUY	4	NO	64"
AE	Elm, Accolade	Ulmus japonica x wilsoniana 'Morton'	1T	50'	2 1/2" CAL	B&B	28"	17"	52"	17"	GUY	4	NO	64"
AGG	Ginkgo, Autumn Gold	Ginkgo biloba	1T	45'	2 1/2" CAL	B&B	28"	17"	52"	17"	GUY	4	NO	64"
CH	Hackberry, Common	Celtis occidentalis	1T	50'	2 1/2" CAL	B&B	28"	17"	52"	17"	GUY	4	NO	64"
ASL	Linden, 'Sentry'	Tilia americana ' Sentry'	1T	40'	2 1/2" CAL	B&B	28"	17"	52"	17"	GUY	4	YES	64"
RL	Linden, Redmond	Tilia americana 'Redmond'	1T	60'	2 1/2" CAL	B&B	28"	17"	52"	17"	GUY	4	YES	64"
BO	Oak, Bur	Quercus macrocarpa	1T	50	2 1/2" CAL	B&B	28"	17"	52"	17"	GUY	4	NO	64"
CSO	Oak, Crimson Spire English	Quercus robur 'Crimschmidt' PP9103	1T	55	2 1/2" CAL	B&B	28"	17"	52"	17"	GUY	4	NO	64"
SWO	Oak, Swamp White	Quercus bicolor	1T	60	2 1/2" CAL	B&B	28"	17"	52"	17"	GUY	4	NO	64"
LPT	Tree, London Plane	Platanus x acerifolia 'Exclamation'	1T	50'	2 1/2" CAL	B&B	28"	17"	52"	17"	GUY	4	NO	64"

SMALL DECIDUOUS TREES

AH	Hophornbeam, American	Ostrya virginiana	3T	25'	2" CAL	B&B	24"	14"	48"	14"	BRACE	3	YES	60"
IMC	Crabapple 'Indian Magic'	Malus 'Indian Magic'	3T	20'	2" CAL	B&B	24"	14"	48"	14"	BRACE	3	YES	60"
RRC	Crabapple, Royal Raindrops	Malus 'JFS-KW5' PP 14375	3T	20'	2" CAL	B&B	24"	14"	48"	14"	BRACE	3	YES	60"
CD	Dogwood, Corneilancherry	Cornus mas	4T	12'	7' HT	B&B	24"	14"	48"	14"	BRACE	3	YES	60"
TCH	Hawthorn, Cockspur Thornless	Crataegus crusgalli var. inermis	3T	12'	2" CAL	B&B	24"	14"	48"	14"	BRACE	3	NO	60"
PA	Plum, American	Prunus americana	4T	12'	5' HT	B&B	24"	14"	48"	14"	BRACE	3	NO	60"
AS	Serviceberry, Apple	Amelanchier x grandiflora	3T	25'	2" CAL	B&B	24"	14"	48"	14"	BRACE	3	YES	60"

EVERGREEN

WF	Fir, White	Abies concolor	4E	40'	6' HT	B&B	18"	12"	42"	12"	BRACE	3	NO	54"
CHL	Canadian Hemlock	Tsuga canadensis	4E	35'	6' HT	B&B	18"	12"	42"	12"	BRACE	3	NO	54"
SSP	Pine, Swiss Stone	Pinus cembra	4E	30'	6' HT	B&B	18"	12"	42"	12"	BRACE	3	NO	54"
T	Tamarack	Larix laricina	4E	40'	6' HT	B&B	18"	12"	42"	12"	BRACE	3	NO	54"
NS	Spruce, Norway	Picea abies	4E	50'	7' HT	B&B	20"	12"	44"	12"	BRACE	3	NO	56"
WS	Spruce, White	Picea glauca	4E	40'	6' HT	B&B	18"	12"	42"	12"	BRACE	3	NO	54"

SHRUBS

BC	Chokeberry, Black	Aronia melanocarpa	3S	4'	18" HT	CG	10"	6.5"	34"	6.5"	n/a	1	YES	46"
HC	Cotoneaster, Hedge	Cotoneaster lucidus	3S	4'	18" HT	CG	10"	6.5"	34"	6.5"	n/a	1	YES	46"
GD	Dogwood, Gray	Cornus racemosa	3S	4'	18" HT	CG	10"	6.5"	34"	6.5"	n/a	1	YES	46"
FS	Sumac, Fragrant	Rhus aromatica	3S	4'	18" HT	CG	10"	6.5"	34"	6.5"	n/a	1	YES	46"
SS	Sumac, Smooth	Rhus glabra	3S	4'	18" HT	CG	10"	6.5"	34"	6.5"	n/a	1	YES	46"
AV	Viburnum, Arrowwood	Viburnum dentatum 'Christom'	3S	4'	18" HT	CG	10"	6.5"	34"	6.5"	n/a	1	YES	46"

VINES

BI	Ivy, Boston	Parthenocissus tricuspidata	4V	30'	1 GAL	CG	9"	7"	48"	7"	n/a	1	YES	24"
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NATIVE PERENNIALS

	Plugs CG #2.5		n/a	3'	2.5"	CG	2.5"	2.5"	5"	3.5"	n/a	n/a	NO	n/a
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PROJECT NO: 1060-35- 82		HWY: IH 41/USH 45	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES								SHEET NO:		E
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	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				
SHRUBS														
BB	Buttonbush	Cephalanthus	3S	10'	4' HT	CG	20"	12"	44"	12"	n/a	2	n/a	56"
RO	Dogwood, Redosier	Cornus alba	3S	10'	4' HT	CG	20"	12"	44"	12"	n/a	2	n/a	56"
SBW	Willow, Sandbar	Sallx exigua	N/A	15'	2' HT	CG	12"	7.75"	36"	7.75"	n/a	n/a	n/a	n/a

3

			STREETSCAPING PLAN SHEET NUMBERS										TOTALS
			1	2	3	4	5	6	7	8	9	10	
BID ITEMS	SYM.	COMMON NAME	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
LARGE DECIDUOUS TREES													
632.0101.0001	NC	Catalpa, Northern				3		8					11
632.0101.0003	KC	Coffeetree, Kentucky				5	3	8	7				23
632.0101.0005	AE	Elm, Accolade					7	9	4	2		4	26
632.0101.0006	AGG	Ginkgo, Autumn Gold					3		7	2		4	16
632.0101.0007	CH	Hackberry, Common		5			3	5	3	5			21
632.0101.0009	ASL	Linden, 'Sentry'	3			5				2			10
632.0101.0011	RL	Linden, Redmond	3				7		6			4	20
632.0101.0017	BO	Oak, Bur	3	4				8			1	1	17
632.0101.0019	CSO	Oak, Crimson Spire English					3	2	3	5			13
632.0101.0021	SWO	Oak, Swamp White					4	4	5	2	3		18
632.0101.0023	LPT	Tree, London Plane						6		2			8
SMALL DECIDUOUS TREES													
632.0101.0025	AH	Hophornbeam, American					3	10					13
632.0101.0027	IMC	Crabapple 'Indian Magic'					8	12					20
632.0101.0029	RRC	Crabapple, Royal Raindrops						6				1	7
632.0101.0031	CD	Dogwood, Corneilancherry					5	4					9
632.0101.0033	TCH	Hawthorn, Cockspur Thornless		5		8		4					17
632.0101.0035	PA	Plum, American						9					9
632.0101.0037	AS	Serviceberry, Apple					7	6				2	15
EVERGREEN													
632.0101.0038	WF	Fir, White				10							10
632.0101.0040	CHL	Canadian Hemlock		3			13						16
632.0101.0042	SSP	Pine, Swiss Stone	4			10					9		23
632.0101.0043	T	Tamarack						5					5
632.0101.0045	NS	Spruce, Norway					11	8					19
632.0101.0047	WS	Spruce, White	5					9					14
SHRUBS													
632.0201.0049	BC	Chokeberry, Black						49					49
632.0201.0051	HC	Cotoneaster, Hedge				8							8
632.0201.0053	GD	Dogwood, Gray			14			55					69
632.0201.0055	FS	Sumac, Fragrant						9	15				24
632.0201.0057	SS	Sumac, Smooth			5			30					35
632.0201.0059	AV	Viburnum, Arrowwood			9	8		39					56
VINES													
632.0301	BI	Ivy, Boston				8	3	3	13	14			41
NATIVE PERENNIALS													
SPV 0060.6010		Plug Cont #2.5					374						374

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			UNDERWOOD CREEK DETAIL	TOTALS
BID ITEMS	SYM.	COMMON NAME	EACH	
SHRUBS				
632.0201.0061	BB	Buttonbush	12	12
632.0201.0063	RO	Dogw ood, Redosier	16	16
632.0201.0065	SBW	Willow , Sandbar	16	16

3

3

LANDSCAPE ITEMS								
CATEGORY	LOCATION	204.0100	625.0105	632.9101	SPV.0060.6011	SPV.0060.6015	SPV.0085.6001	SPV.0085.6002
		EXCAVATION COMMON CY	TOPSOIL CY	LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES EACH	WATERING BAG EACH	VEGETATION ESTABLISHMENT PLAN UNDERWOOD CREEK EACH	SEEDING MIXTURE PRAIRIE MIX LBS	SEEDING MIXTURE WET MESIC WOODLAND MIX LBS
6000	<u>STREETSCAPING</u>	529	568	36	96	--	--	--
	<u>UNDERWOOD CREEK</u>	--	151	--	--	60	2.9	5.4
TOTALS		529	719	36	96	60	2.9	5.4

MOBILIZATION

CATEGORY	PROJECT	619.1000
		MOBILIZATION EACH
6000	<u>1060-35-82</u>	1
TOTALS		1

ROOTSTOCK ITEMS

CATEGORY	LOCATION	SPV.0060.6013	SPV.0180.0001
		SHALLOW MARSH ROOTSTOCK EACH	ROOTSTOCK PROTECTION SY
6000	<u>W. NORTH AVENUE OFF RAMP WB POND</u>	309	512
TOTALS		309	512

PAVEMENT CLEANUP

CATEGORY	PROJECT	SPV.0075.0001
		PAVEMENT CLEANUP PROJECT 1060-35-82 HRS
6000	<u>1060-35-82</u>	20
TOTALS		20

TRAFFIC CONTROL		
		643.5000 TRAFFIC CONTROL EACH
CATEGORY	PROJECT	
6000	<u>1060-35-82</u>	1
TOTALS		1

TRAFFIC CONTROL				
		643.4100.S TRAFFIC CONTROL INTERIM LANE CLOSURE	SPV.0060.0910 TRAFFIC CONTROL CLOSE-OPEN FREEWAY ENTRANCE RAMP	SPV.0060.00916 TRAFFIC CONTROL LOCAL ROAD LANE CLOSURES
CATEGORY	PROJECT	EACH	EACH	EACH
6000	<u>1060-35-82</u>	150	8	38
TOTALS		150	8	38

TRAFFIC CONTROL ITEMS																
		643.0300		643.0420		643.0705		643.0715		643.0800		643.0900		643.1050		
		TRAFFIC CONTROL DRUMS		TRAFFIC CONTROL BARRICADES TYPE III		TRAFFIC CONTROL WARNING LIGHTS TYPE A		TRAFFIC CONTROL WARNING LIGHTS TYPE C		TRAFFIC CONTROL ARROW BOARDS		TRAFFIC CONTROL SIGNS		TRAFFIC CONTROL SIGNS PCMS		
CATEGORY	ROADWAY	DURATION DAYS	EACH**	DAY	EACH**	DAY	EACH**	DAY	EACH**	DAY	EACH**	DAY	EACH**	DAY	EACH**	DAY
6000	<u>IH 41 / USH 45 NB</u>	26	42	1,092	--	--	--	--	--	--	2	52	16	416	1	26
	<u>IH 41 / USH 45 SB</u>	28	44	1,232	--	--	--	--	--	--	1	28	10	280	1	28
	<u>RAMP NOA</u>	28	27	756	2	56	4	112	--	--	--	--	7	196	1	28
	<u>RAMP NOB</u>	28	39	1,092	2	56	4	112	4	112	1	28	9	252	1	28
	<u>RAMP NOC</u>	28	47	1,316	2	56	4	112	10	280	2	56	18	504	1	28
	<u>RAMP NOG</u>	28	31	868	2	56	4	112	6	168	--	--	10	280	1	28
	<u>NORTH AVENUE</u>	26	47	1,222	4	104	8	208	10	260	--	--	8	208	1	26
	<u>116TH STREET</u>	2	32	64	3	6	6	12	5	10	--	--	12	24	1	2
	<u>114TH STREET</u>	2	23	46	2	4	4	8	5	10	--	--	8	16	--	--
	<u>113TH STREET</u>	4	79	316	4	16	8	32	10	40	--	--	19	76	--	--
	<u>112TH STREET</u>	4	59	236	2	8	4	16	5	20	--	--	11	44	--	--
	UNDISTRIBUTED			1,648		72		145		180		33		459		39
TOTALS				9,888		434		869		1,080		197		2,755		233

**FOR INFORMATION ONLY

R/W PROJECT NUMBER 1060-33-26	SHEET NUMBER	TOTAL SHEETS
FEDERAL PROJECT NUMBER 1060-33-26	4.1	
PLAT OF RIGHT-OF-WAY REQUIRED FOR I-41 / USH 45 SWAN BLVD. TO BURLEIGH STREET MILWAUKEE COUNTY		
CONSTRUCTION PROJECT NUMBER 1060-33-84 1060-34-84 1060-34-85 1060-34-74 1060-33-83 1060-33-86 1060-35-85 1060-34-76		

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

CONVENTIONAL SYMBOLS		
FOUND IRON PIPE/PIN	1/2" (1" UNLESS NOTED)	PROPOSED R/W LINE
R/W MONUMENT	• (SET)	EXISTING H.E. LINE
R/W STANDARD	▲ (SET)	PROPERTY LINE
SIGN	ISIGN	LOT & TIE LINES
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	—OH—	
TRANSMISSION LINES	—E—	
ELECTRIC	—TV—	
CABLE TELEVISION	—FO—	
FIBER OPTIC	—SAN—	
SANITARY SEWER	—SS—	
STORM SEWER	—SS—	
NON COMPENSABLE	⊙	COMPENSABLE
POWER POLE	⊙	⊙
TELEPHONE POLE	⊙	⊙
UTILITY PEDESTAL	⊙	⊙
ELECTRIC TOWER	⊙	⊙

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, MILWAUKEE COUNTY, NAD83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

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

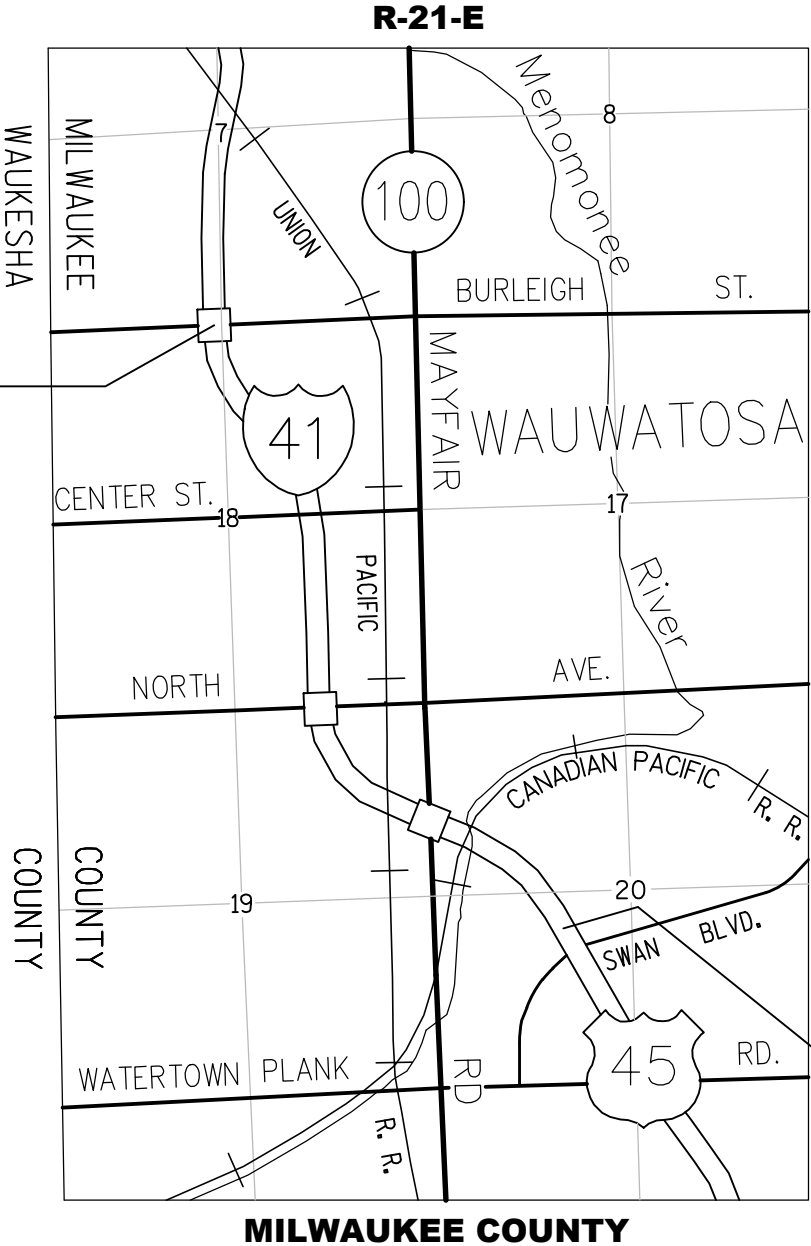
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

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.

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

END RELOCATION ORDER
SECTION LINE

STA 492+06.77
1.59' SOUTH AND 91.13' WEST
OF THE SOUTH CORNER OF
SECTION 7, T-7-N, R-21-E
Y=312723.00
X=566254.57



T-7-N

BEGIN RELOCATION ORDER

STA 384+00.00
1931.52' EAST AND 830.17' SOUTH
OF THE WEST CORNER OF
SECTION 20, T-7-N, R-21-E
Y=303969.98
X=571013.46

SCALE 0 .5MI. 1MI.
LAYOUT
TOTAL NET LENGTH OF CENTERLINE = 2.05 MI.

REVISION DATE
07-15-2014
09-24-2014
04-02-2015
06-11-2015
10-27-2016
10-31-2019

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED FOR THE DEPARTMENT

DATE: 11-07-2013 *Robert A. Duffek*
(Signature)

PRE_35

1229 E

4

4

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.			AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED.													
				SF = SQUARE FEET		* DENOTES AREAS COMPUTED														
PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	NEW	EXISTING	TOTAL	REMAINING ACRES	TEMP. ACRES	PERM. ACRES	PARCEL NUMBER									
1	4.11	FELTON & MARIA BRAZIL	FEE	0.276	0.276	0.000	0.276	0.000	0.000	0.000	1									
2	4.17	BRIAN E. & IRENE WALKER	FEE	0.224	0.224	0.000	0.224	0.000	0.000	0.000	2									
3(3)	4.17	KENNETH R. & JANET L. DALLMANN	TLE	0.448	0.000	0.000	0.000	0.448	0.022	0.000	3(3)									
4(3)	4.17	ADAM E. KLEIN	TLE	0.448	0.000	0.000	0.000	0.448	0.056	0.000	4(3)									
5(3)	4.17	GREGORY J. & NICOLE K. WERRY	TLE	0.224	0.000	0.000	0.000	0.224	0.086	0.000	5(3)									
6(3)	4.18	COURTNEY G. THOMEY	TLE	0.128	0.000	0.000	0.000	0.128	0.033	0.000	6(3)									
7(3)	4.18	JOHN LYNCH	PLE, TLE	0.193	0.000	0.000	0.000	0.193	0.036	0.016	7(3)									
8(3)	4.18	JOHN C. & TERESE M. BEAUCHAMP	TLE	0.193	0.000	0.000	0.000	0.193	0.035	0.000	8(3)									
9(3)	4.18	MARIANO B. & NORALYN B. DAVID	TLE	0.128	0.000	0.000	0.000	0.128	0.024	0.000	9(3)									
10(4)	4.18	KEVIN & MELINDA KROEGER	TLE	0.133	0.000	0.000	0.000	0.133	0.030	0.000	10(4)									
11(4)	4.18	ARLEEN JEAN LEMMON	TLE	0.124	0.000	0.000	0.000	0.124	0.047	0.000	11(4)									
12(4)	4.18	GIBSON REVOCABLE LIVING TRUST	TLE	0.122	0.000	0.000	0.000	0.122	0.017	0.000	12(4)									
13(2)	4.19	SCHOOL DISTRICT OF WAUWATOSA	TLE	21.372	0.000	0.000	0.000	21.372	3.793	0.000	13(2)									
14(2)	4.20	SCHOOL DISTRICT OF WAUWATOSA	TLE	34.918	0.000	0.000	0.000	34.918	2.949	0.000	14(2)									
15(3)	4.10	DYNAMIS PROPERTIES LLC	FEE	0.386	0.386	0.000	0.386	0.000	0.000	0.000	15(3)									
16(6)	4.14	WISCONSIN TELEPHONE COMPANY	FEE TLE	0.063	0.007	0.000	0.007	0.056	0.009	0.000	16(6)									
17(6)	4.14	F&F ASSOCIATES LLC	FEE TLE	0.229	0.007	0.000	0.007	0.222	0.026	0.000	17(6)									
18(5)	4.14	JOHN AND MARY FOX	FEE TLE	0.179	8 SF	0.000	8 SF	0.179	0.015	0.000	18(5)									
19(5)	4.14	AJS INVESTMENTS LLC	FEE TLE	0.179	0.001	0.000	0.001	0.178	0.025	0.000	19(5)									
20(5)	4.14	PATCH MARITAL TRUST	FEE TLE	0.124	8 SF	0.000	8 SF	0.124	0.020	0.000	20(5)									
21(5)	4.14	STK LLC	TLE	0.234	0.000	0.000	0.000	0.234	0.020	0.000	21(5)									
22(5)	4.14	J&K NORTH LLC	TLE	0.110	0.000	0.000	0.000	0.110	0.009	0.000	22(5)									
23(5)	4.16	JUVENCIO & DEBORAH J. ESPARZA	TLE	0.121	0.000	0.000	0.000	0.121	0.017	0.000	23(5)									
24(5)	4.16	JUVENCIO & DEBIE ESPARZA	TLE	0.121	0.000	0.000	0.000	0.121	0.015	0.000	24(5)									
25(5)	4.16	IKAROS 6 LLC	TLE	0.121	0.000	0.000	0.000	0.121	0.015	0.000	25(5)									
26(5)	4.16	RUETA LLC	TLE	0.183	0.000	0.000	0.000	0.183	0.023	0.000	26(5)									
27(5)	4.16	GIUSEPPE & JOSEPHINE L. MILITELLO	TLE	0.183	0.000	0.000	0.000	0.183	0.024	0.000	27(5)									
28(5)	4.16	SOMCHINTANA & MANU RATARASARN	TLE	0.162	0.000	0.000	0.000	0.162	0.020	0.000	28(5)									
29(6)	4.16	JACQUELYNE PATRICIA COAKLEY 1997 REV. TRUST	TLE	0.110	0.000	0.000	0.000	0.110	0.009	0.000	29(6)									
30(5)	4.16	THOMAS P. & DEBORAH J. MOERTL ET. AL.	TLE	0.220	0.000	0.000	0.000	0.220	0.024	0.000	30(5)									
31(5)	4.16	MULTIPLE LISTING SERVICE INC.	FEE TLE	0.220	0.001	0.000	0.001	0.219	0.033	0.000	31(5)									
32(5)	4.16	SHEILA A. FLEISCHER	TLE	0.117	0.000	0.000	0.000	0.117	0.002	0.000	32(5)									
33(5)	4.16	TAMARA C. JONES	TLE	0.122	0.000	0.000	0.000	0.122	0.001	0.000	33(5)									
34(5)	4.16	DEBORAH A. NEAL	TLE	0.117	0.000	0.000	0.000	0.117	0.002	0.000	34(5)									
35(5)	4.16	REGIS P. & ELIZABETH A. DI GIACOMO	TLE	0.149	0.000	0.000	0.000	0.149	0.006	0.000	35(5)									
36(5)	4.16	KAY A. CASPER	TLE	0.149	0.000	0.000	0.000	0.149	0.006	0.000	36(5)									
37(5)	4.16	KATHLEEN A. SZUKALSKI	TLE	0.149	0.000	0.000	0.000	0.149	0.006	0.000	37(5)									
38(5)	4.16	RYAN CEPICAN	TLE	0.149	0.000	0.000	0.000	0.149	0.003	0.000	38(5)									
39(5)	4.16	GERALD WILLIAMSON	TLE	0.373	0.000	0.000	0.000	0.373	0.006	0.000	39(5)									
40(5)	4.16	HAKAM SINGH	TLE	0.149	0.000	0.000	0.000	0.149	0.003	0.000	40(5)									
REVISION DATE		06-11-2015	-----	-----	DATE		11-07-2013		HWY: I-41 / USH 45		STATE R/W PROJECT NUMBER		1060-33-26		PLAT SHEET		4.02			
07-15-2014		10-27-2016	-----	-----																
09-24-2014		10-31-2019	-----	-----	COUNTY: MILWAUKEE				CONSTRUCTION PROJECT NUMBER		1060-33-84, 1060-34-84, 1060-33-83, 1060-33-86, 1060-35-85						PRE_36		E	
04-02-2015			-----	-----															1230	

4

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.			AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED.								
				SF = SQUARE FEET		* DENOTES AREAS COMPUTED									
PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	NEW	EXISTING	TOTAL	REMAINING ACRES	TEMP. ACRES	PERM. ACRES	PARCEL NUMBER				
41(5)	4.16	LORRAINE L. POZAYT	TLE	0.125	0.000	0.000	0.000	0.125	0.005	0.000	41(5)				
42(5)	4.16	RICHARD & LAUREN GIVENS	TLE	0.251	0.000	0.000	0.000	0.251	0.005	0.000	42(5)				
43(5)	4.16	DAVID W. & NORMA I. BROADEN	TLE	0.251	0.000	0.000	0.000	0.251	0.005	0.000	43(5)				
44(5)	4.16	ROBERT R. & CAROLE A. HOERIG	TLE	0.251	0.000	0.000	0.000	0.251	0.002	0.000	44(5)				
45(5)	4.16	WANDA L. MORRISON	TLE	0.125	0.000	0.000	0.000	0.125	0.003	0.000	45(5)				
46(5)	4.16	GREGORY A. & JOAN M. BLANEY	TLE	0.125	0.000	0.000	0.000	0.125	0.004	0.000	46(5)				
47(5)	4.16, 4.18	DANIEL ANDERSON & APEU ACUIL	TLE	0.125	0.000	0.000	0.000	0.125	0.005	0.000	47(5)				
48(5)	4.16	SG LLC	FEE TLE	0.331	0.001	0.000	0.001	0.330	0.042	0.000	48(5)				
49(6)	4.16	DENNISL. & BARBARA L. WANLESS	TLE	0.386	0.000	0.000	0.000	0.386	0.032	0.000	49(6)				
50(5)	4.18	MICHAEL A. & LINDA J. DOLHUN	TLE	0.125	0.000	0.000	0.000	0.125	0.005	0.000	50(5)				
51(5)	4.18	JUDITH A. & PATRICIA J. ANDERSON	TLE	0.125	0.000	0.000	0.000	0.125	0.005	0.000	51(5)				
52(5)	4.18	RONALD & CAROL H. SCHULLS	TLE	0.125	0.000	0.000	0.000	0.125	0.005	0.000	52(5)				
53(5)	4.18	ROBERT E. & BEVERLY J. GRUDZINSKI	TLE	0.122	0.000	0.000	0.000	0.122	0.005	0.000	53(5)				
54(5)	4.18	GERARD E. & ANN M. STEIN	TLE	0.179	0.000	0.000	0.000	0.179	0.007	0.000	54(5)				
55(5)	4.18	JOSEPH E. & MICHELLE L. ROY	TLE	0.179	0.000	0.000	0.000	0.179	0.007	0.000	55(5)				
56(5)	4.18	JILL JANKA	TLE	0.119	0.000	0.000	0.000	0.119	0.005	0.000	56(5)				
57(5)	4.18	CARL & ELOISE SCHWARZ	TLE	0.119	0.000	0.000	0.000	0.119	0.003	0.000	57(5)				
58(5)	4.21	RICKERT INDUSTRIES INC.	TLE	1.961	0.000	0.000	0.000	1.961	0.080	0.000	58(5)				
59(5)	4.25, 4.26	CITY OF WAUWATOSA	TLE	19.265	0.000	0.000	0.000	19.265	7.500	0.000	59(5)				
60(6)	4.11	RUSS DARROW WAUWATOSA REAL ESTATE LLC	FEE PLE TLE	4.848	0.163	0.000	0.163	4.685	0.960	0.183	60(6)				
61(5)	4.11	G&I VIII P & S CENTER LLC	TLE	5.238	0.000	0.000	0.000	5.238	0.122	0.000	61(5)				
62(7)	4.11, 4.12	UNION PACIFIC RAILROAD	HE TLE	VAST	0.604	0.393	0.997	VAST	4.525	0.000	62(7)				
63(6)	4.15	MAYFAIR MANOR APARTMENTS LLC	TLE	3.040	0.000	0.000	0.000	3.040	0.133	0.000	63(6)				
64(5)	4.15	STEPHEN GREEN	TLE	0.151	0.000	0.000	0.000	0.151	0.011	0.000	64(5)				
65(5)	4.15	JUDITH S. KLAPAT	TLE	0.151	0.000	0.000	0.000	0.151	0.011	0.000	65(5)				
66(5)	4.15	DELBERT A. SR. & EVA KOLBERG LIFE ESTATE	TLE	0.151	0.000	0.000	0.000	0.151	0.025	0.000	66(5)				
67(6)	4.15	THOMAS J. & TIFFANY J. SMITH	TLE	0.151	0.000	0.000	0.000	0.151	0.039	0.000	67(6)				
68(5)	4.15	STEVEN C. & SANDRA L. KANTIN	TLE	0.151	0.000	0.000	0.000	0.151	0.009	0.000	68(5)				
69(5)	4.15	WILLIAM F. JR. & MARIA LOUISE SCHWARTZ	TLE	0.199	0.000	0.000	0.000	0.199	0.005	0.000	69(5)				
70(5)	4.11	UNITED FOOD & COMMERCIAL WORKERS UNION	TLE	0.848	0.000	0.000	0.000	0.848	0.074	0.000	70(5)				
71(5)	4.12	CHERYL A. DOHERTY	FEE TLE	0.994	0.020	0.000	0.020	0.974	0.143	0.000	71(5)				
72(5)	4.12	CHERYL PENTLER DOHERTY REAL ESTATE TRUST	TLE	2.913	0.000	0.000	0.000	2.913	0.045	0.000	72(5)				
73(6)	4.12, 4.13	BRE / ESA PROPERTIES LLC	FEE PLE TLE	3.922	0.350	0.000	0.350	3.572	1.007	0.622	73(6)				
74(5)	4.12, 4.13	MAYFAIR PROPERTY PARTNERS LLC	FEE TLE	4.970	0.015	0.000	0.015	4.955	0.565	0.000	74(5)				
75(6)	4.13	W2005 NEW CENTURY HOTEL PORTFOLIO LP	FEE PLE TLE	2.144	0.002	0.000	0.002	2.142	0.262	0.131	75(6)				
76(5)	4.13	DENNY'S REALTY INC.	FEE PLE TLE	1.054	0.055	0.000	0.055	0.999	0.138	0.051	76(5)				
77(6)	4.13	HIGHLANDS OF MAYFAIR CONDOMINIUM	PLE TLE	3.075	*	0.000	0.000	3.075	0.084	0.048	77(6)				
78(5)	4.14	TIMOTHY C. & PAMELA M. LOSEY	TLE	0.138	0.000	0.000	0.000	0.138	0.006	0.000	78(5)				
79(5)	4.14	MICHAEL T. GOLDSMITH	TLE	0.178	0.000	0.000	0.000	0.178	0.018	0.000	79(5)				
80(5)	4.21	M.A.E. MOXY LLC	TLE	0.773	0.000	0.000	0.000	0.773	0.024	0.000	80(5)				
REVISION DATE		06-11-2015	-----	-----	DATE 11-07-2013		HWY: I-41 / USH 45		STATE R/W PROJECT NUMBER		1060-33-26	PLAT SHEET		4.03	
		07-15-2014	-----	-----											
		09-24-2014	-----	-----	COUNTY: MILWAUKEE		CONSTRUCTION PROJECT NUMBER		1060-33-84, 1060-34-84, 1060-33-83, 1060-33-86, 1060-35-85, 1060-34-76		PRE_37				
		04-02-2015	-----	-----										1231	E

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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.			AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED.					
				SF = SQUARE FEET * DENOTES AREAS COMPUTED								
PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	NEW	EXISTING	TOTAL	REMAINING ACRES	TEMP. ACRES	PERM. ACRES	PARCEL NUMBER	
81(5)	4.21	BURLEIGH MOB JOINT VENTURE LLC	TLE	1.043	0.000	0.000	0.000	1.043	0.054	0.000	81(5)	
82(6)	4.08, 4.09	WISCONSIN LUTHERAN COLLEGE CONFERENCE INC.	FEE TLE	26.129	0.093	0.000	0.093	26.036	0.614	0.000	82(6)	
83(5)	4.08, 4.09, 4.10	MILWAUKEE COUNTY	HE TLE	52.607	0.200	0.000	0.200	52.607	0.445	0.000	83(5)	
84(6)	4.09	MILWAUKEE COUNTY	HE TLE	4.242	0.011	0.000	0.011	4.242	0.023	0.000	84(6)	
85(6)	4.09, 4.10, 4.27	MILWAUKEE COUNTY	HE TLE	4.195	0.225	0.000	0.225	4.195	2.566	0.000	85(6)	
86(5)	4.10	SOO LINE RAILROAD	HE TLE	VAST	0.816	0.000	0.816	VAST	0.137	0.000	86(5)	
87(5)	4.10	MMSD	HE TLE	8.050	0.186	0.000	0.186	8.050	0.223	0.000	87(5)	
88(5)	4.10	SONSHINE 1826 LLC	TLE	0.816	0.000	0.000	0.000	0.816	0.109	0.000	88(5)	
89(6)	4.10	THE 2100 LLC	TLE	1.416	0.000	0.000	0.000	1.416	0.026	0.000	89(6)	
90(4)	4.18	ALEX J. GILGENBACH & KAYLA C. LEMEROND	TLE	0.157	0.000	0.000	0.000	0.157	0.015	0.000	90(4)	
91(4)	4.18	ROBERT FRESE	TLE	0.188	0.000	0.000	0.000	0.188	0.004	0.000	91(4)	
92(4)	4.18	MATTHEW A. KOWALSKI & KATIE M. CAMACHO	TLE	0.125	0.000	0.000	0.000	0.125	0.004	0.000	92(4)	
93(4)	4.18	KRISTINE K. SCHMIDT	TLE	0.156	0.000	0.000	0.000	0.156	0.011	0.000	93(4)	
94(4)	4.18	MICHAEL A. OTTO & TAMMY R. JOOST	TLE	0.145	0.000	0.000	0.000	0.145	0.011	0.000	94(4)	
95(4)	4.18	EVELYN A. RESCH	TLE	0.142	0.000	0.000	0.000	0.142	0.011	0.000	95(4)	
96(4)	4.18	GEORGE J. MARTINEK	TLE	0.119	0.000	0.000	0.000	0.119	0.009	0.000	96(4)	
97(4)	4.18	MICHAEL A. SCHROEDER	TLE	0.119	0.000	0.000	0.000	0.119	0.009	0.000	97(4)	
98(4)	4.23	CHARLES MORREALE	TLE	0.254	0.000	0.000	0.000	0.254	0.020	0.000	98(4)	
99(4)	4.23	IVAN & PAULINE WERNER	TLE	0.269	0.000	0.000	0.000	0.269	0.021	0.000	99(4)	
100(4)	4.23	12850 LLC	TLE	0.254	0.000	0.000	0.000	0.254	0.020	0.000	100(4)	
101(4)	4.23	JOHN C. & SUSAN M. CUSATIS	TLE	0.415	0.000	0.000	0.000	0.415	0.006	0.000	101(4)	
102(4)	4.23	ANSLEY A. GOODING & LISA V. MAESTAS-GOODING	TLE	0.354	0.000	0.000	0.000	0.354	0.038	0.000	102(4)	
103(4)	4.23	TROY L. & MARY L. MOSBY	TLE	0.352	0.000	0.000	0.000	0.352	0.031	0.000	103(4)	
104(4)	4.23	DOMINIC S. & CAROL P. ALIOTO	TLE	0.340	0.000	0.000	0.000	0.340	0.005	0.000	104(4)	
105(4)	4.23	JOWELL GARCIA & MICHELLE DE LEON CRUZ	TLE	0.252	0.000	0.000	0.000	0.252	0.005	0.000	105(4)	
106(4)	4.23	SEIDER REVOCABLE LIVING TRUST	TLE	0.255	0.000	0.000	0.000	0.255	0.005	0.000	106(4)	
107(6)	4.17	JEFFREY L. SIVAK ET. AL	PLE TLE	0.469	*	0.000	0.000	0.469	0.005	0.072	107(6)	
108(6)	4.17	FRENS JOINT REVOCABLE TRUST	FEE TLE	0.505	*	0.005	0.000	0.005	0.022	0.000	108(6)	
109(6)	4.16	DENTAL ARTS ASSC. LLC	FEE TLE	0.254	0.001	0.000	0.001	0.253	0.054	0.000	109(6)	
110(6)	4.14	NORTH AVENUE HOLDING COMPANY	TLE	0.248	0.000	0.000	0.000	0.248	0.026	0.000	110(6)	
111(6)	4.14	PAGE NATIONAL INC.	TLE	0.234	0.000	0.000	0.000	0.234	0.012	0.000	111(6)	
114(5)	4.20 4.21	SCHOOL DISTRICT OF WAUWATOSA	TLE	34.918	0.000	0.000	0.000	34.918	1.292	0.000	114(5)	
116(6)	4.14	WISCONSIN TELEPHONE COMPANY	FEE TLE	0.056	0.001	0.000	0.001	0.055	0.019	0.000	116(6)	
140(6)	4.16	HAKAM SINGH	TLE	0.149	0.000	0.000	0.000	0.149	0.014	0.000	140(6)	
141(6)	4.16	LORRAINE L. POZAYT	TLE	0.125	0.000	0.000	0.000	0.125	0.010	0.000	141(6)	
REVISION DATE 06-11-2015 ----- ----- 07-15-2014 10-27-2016 ----- ----- 09-24-2014 10-31-2019 ----- ----- 04-02-2015 ----- ----- -----				DATE 11-07-2013	HWY: I-41 / USH 45		STATE R/W PROJECT NUMBER 1060-33-26				PLAT SHEET 4.04	
				COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-84, 1060-34-84, 1060-33-83, 1060-33-86, 1060-35-85, 1060-34-85, 1060-34-74							

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SCHEDULE OF LANDS & INTERESTS REQUIRED

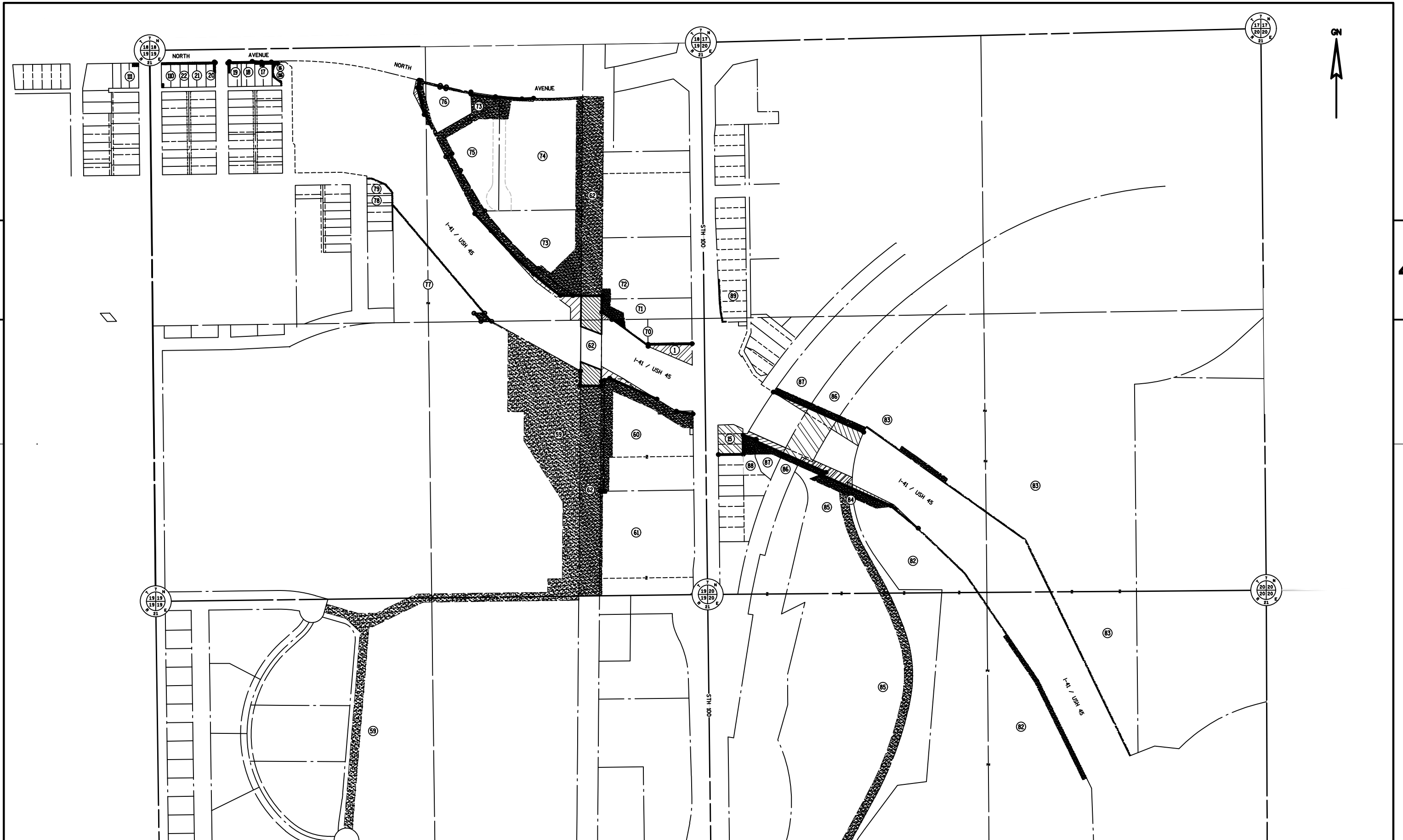
OWNER'S NAMES ARE SHOWN FOR REFERENCE
PURPOSES ONLY AND ARE SUBJECT TO CHANGE
PRIOR TO THE TRANSFER OF LAND INTERESTS
TO THE DEPARTMENT.

SF = SQUARE FEET * DENOTES AREAS COMPUTED

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

PARCEL NUMBER	SHEET NUMBER		OWNER	INTEREST REQUIRED	TOTAL ACRES	NEW	EXISTING	TOTAL	REMAINING ACRES	TEMP. ACRES	PERM. ACRES	PARCEL NUMBER
214(4)	4.20	4.23	SCHOOL DISTRICT OF WAUWATOSA	TLE	34.918	0.000	0.000	0.000	34.918	0.031	0.000	214(4)
500(5) 501(5)	4.08 - 4.21 4.09	4.23 4.26 4.10 4.13	WE ENERGIES - ELECTRIC WE ENERGIES - GAS	RELEASE OF RIGHTS RELEASE OF RIGHTS	-- --	-- --	-- --	-- --	-- --	-- --	-- --	500(5) 501(5)
503(5) 506(5) 507(5) 508(5) 532(5)	4.10 - 4.21 4.09 4.11 - 4.13 4.15 4.11 4.12 4.10 4.13 4.18	4.25 4.26	AT&T WISCONSIN MILWAUKEE METROPOLITAN SEWERAGE DISTRICT TIME WARNER CABLE US SPRINT WAUWATOSA WATER UTILITY	RELEASE OF RIGHTS RELEASE OF RIGHTS RELEASE OF RIGHTS RELEASE OF RIGHTS RELEASE OF RIGHTS	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	503(5) 506(5) 507(5) 508(5) 532(5)
533 534(5) UA 631(4) UA 632(4)			ELIMINATED CITY OF WAUWATOSA CITY OF WAUWATOSA WAUWATOSA WATER UTILITY		-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	533 534(5) UA 631(4) UA 632(4)

REVISION DATE	06-11-2015	-----	-----	DATE 11-07-2013	HWY: I-41 / USH 45	STATE R/W PROJECT NUMBER 1060-33-26	PLAT SHEET 4.05	
07-14-2014	10-27-2016	-----	-----					
09-24-2014	10-31-2019	-----	-----	COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-84, 1060-34-84, 1060-33-83, 1060-33-86, 1060-35-85		PRE_39	
04-02-2015	-----	-----	-----				1233	E



REVISION DATE	06-11-2015	-----	-----
07-15-2014	10-27-2016	-----	-----
09-24-2014	10-30-2019	-----	-----
04-02-2015	-----	-----	-----

DATE 11-07-2013
COUNTY: MILWAUKEE

HWY: I-41 / USH 45

CONSTRUCTION PROJECT NUMBER 1060-33-84, 1060-33-86

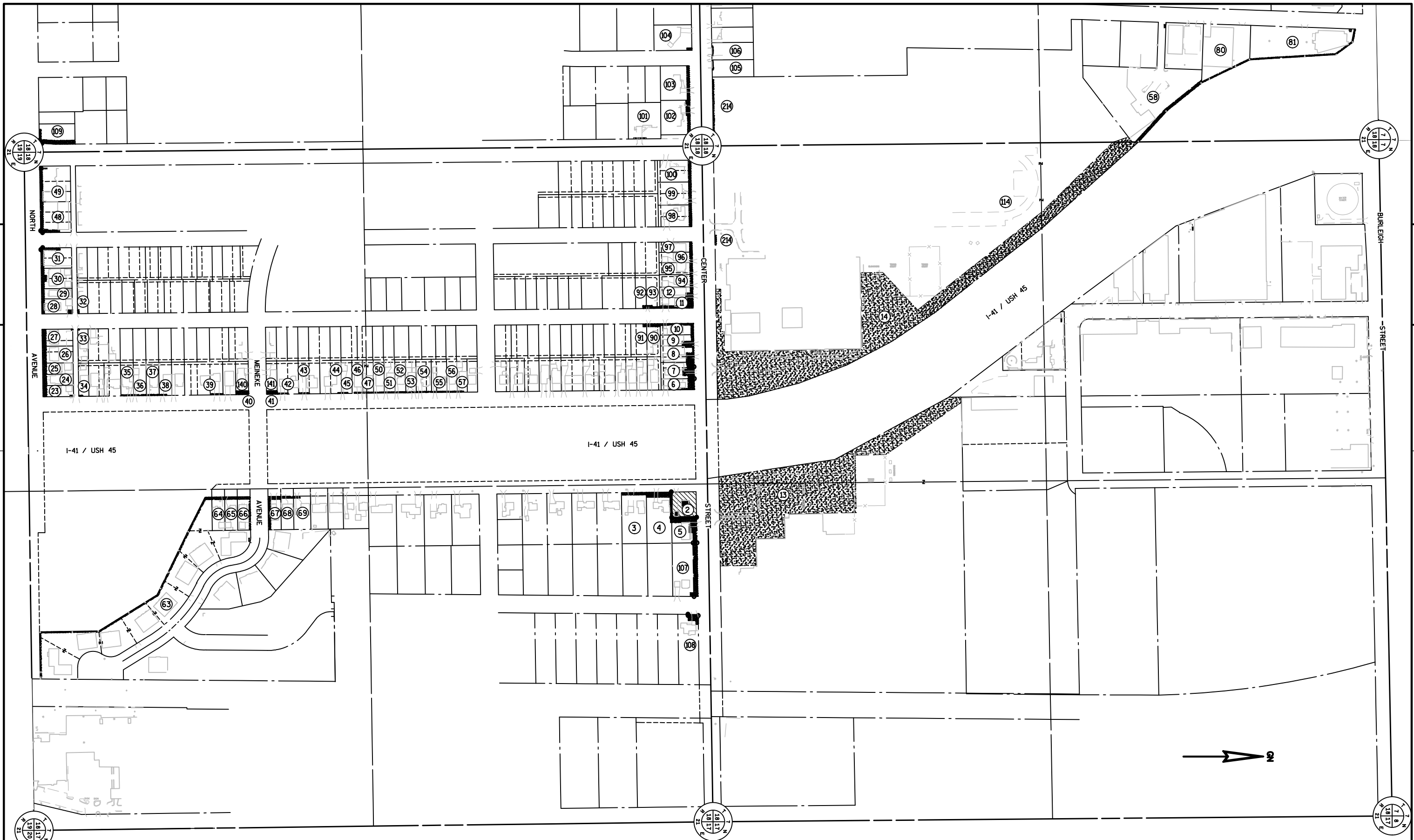
STATE R/W PROJECT NUMBER 1060-33-26

PLAT SHEET 4.06

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REVISION	DATE		
07-15-2014	10-27-2016		
09-24-2014	10-31-2019		
04-02-2015			

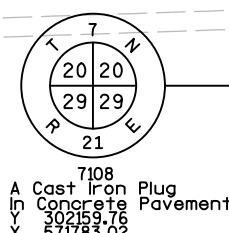
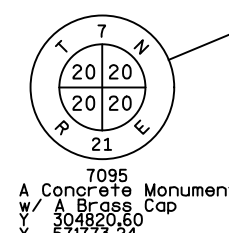
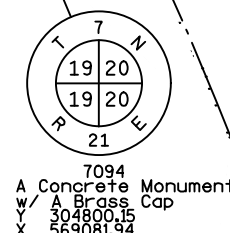
DATE 11-07-2013
COUNTY: MILWAUKEE

HWY: I-41 / USH 45

STATE R/W PROJECT NUMBER 1060-33-26

CONSTRUCTION PROJECT NUMBER 1060-33-83, 1060-34-84, 1060-35-85, 1060-33-84

PLAT SHEET 4.07
PRE_41



NOTES:
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, MILWAUKEE COUNTY, NAD83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.
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HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
USH 45	1100-01-23	VARIES	1969

PREVIOUS ACCESS CONTROL
1100-01-23

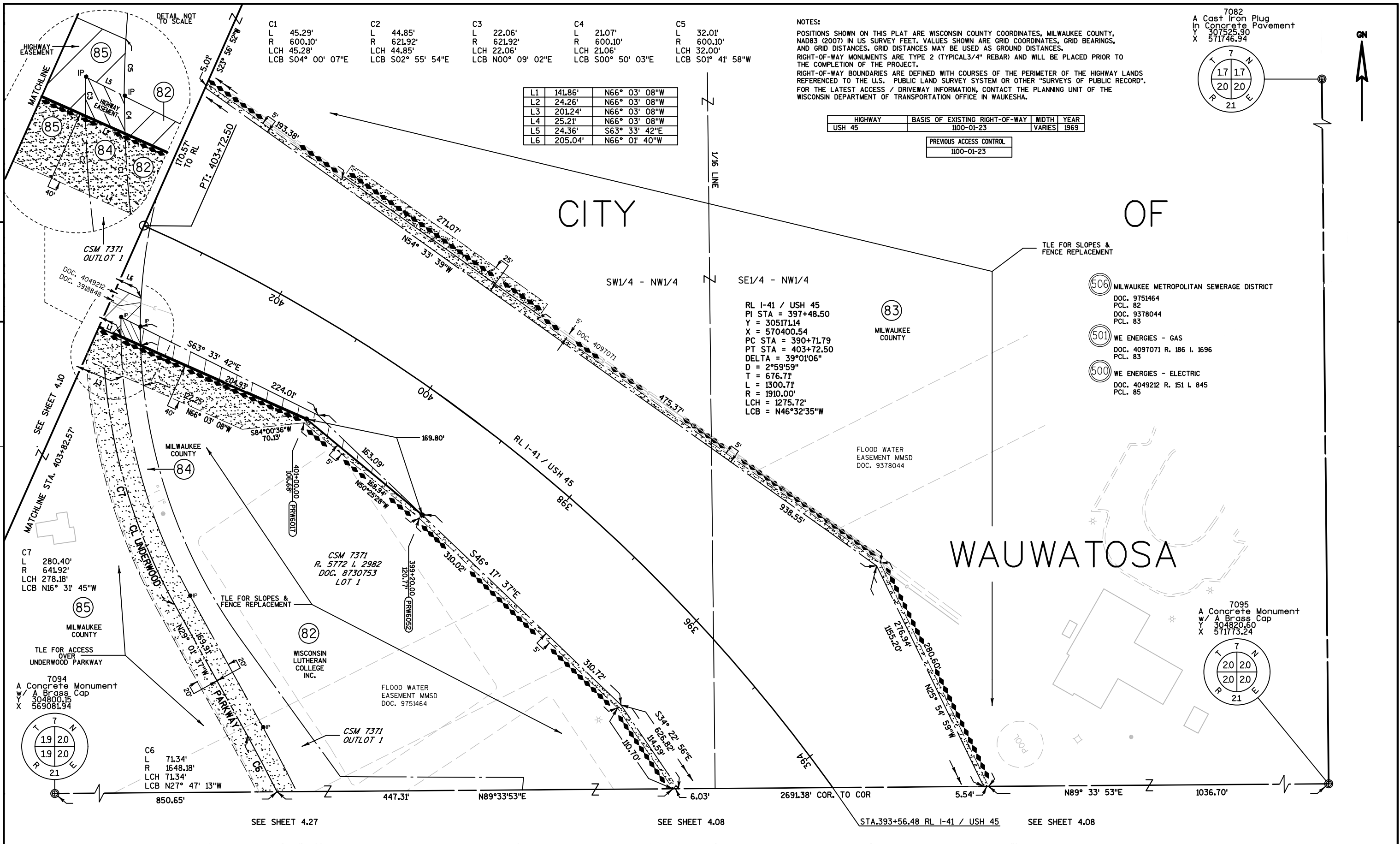


DATE 11-07-2013
COUNTY: MILWAUKEE

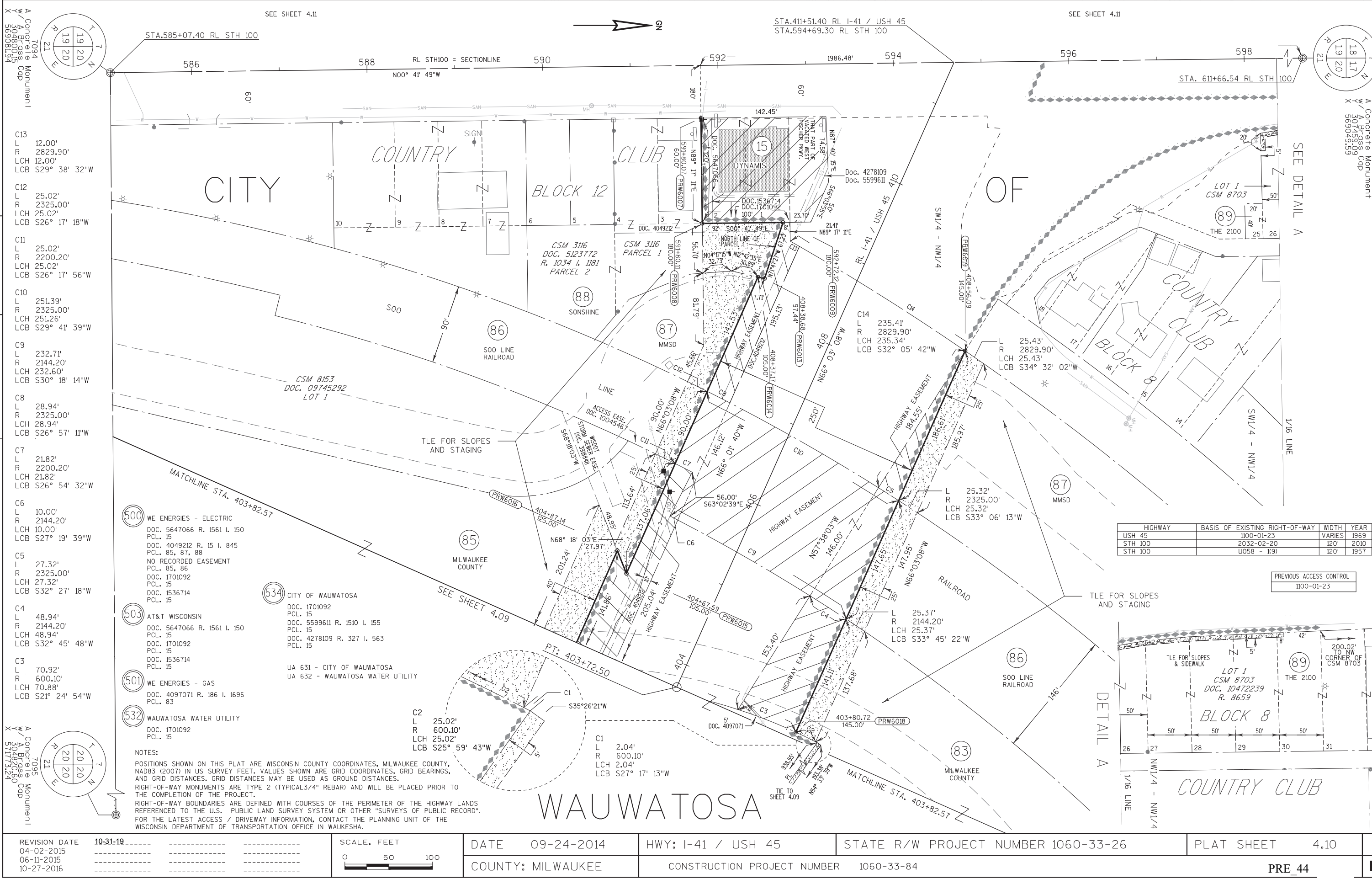
HWY: I-41 / USH 45
CONSTRUCTION PROJECT NUMBER 1060-33-84

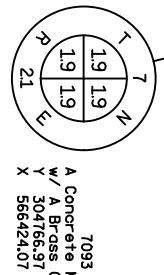
STATE R/W PROJECT NUMBER 1060-33-26

PLAT SHEET 4.08
PRE 42



REVISION DATE		06-11-2015				DATE 11-07-2013	HWY: I-41 / USH 45	STATE R/W PROJECT NUMBER 1060-33-26	PLAT SHEET 4.09	
07-15-2014		10-27-2016								
09-24-2014		10-31-2019								
04-02-2015										
SCALE, FEET		0 50 100		COUNTY: MILWAUKEE		CONSTRUCTION PROJECT NUMBER 1060-33-84		1237		





NOTES:
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CITY

OF

RL I-41/USH 45
PI STA = 427+95.81
Y = 306429.45
X = 567567.39
PC STA = 416+48.94
PT STA = 436+86.55
DELTA = 65°35'16"
D = 3°13'08"
T = 1146.86'
L = 2037.60'
R = 1780.00'
LCH = 1928.16'
LCB = N33°15'30"W

500 WE ENERGIES - ELECTRIC
DOC. 3883521 R. 4145 P. 421
PCL. 1
DOC. 9772564, 9766476
PCL. 60
DOC. 4062459 R. 161 I. 1119
PCL. 60
DOC. 4060779 R. 160 I. 846
PCL. 60
DOC. 3560906
PCL. 60
DOC. 9772565, 9766475
PCL. 61
DOC. 09766480
PCL. 61
DOC. 09771077
PCL. 61
DOC. 3271506 D. 3254 I. 177
PCL. 61

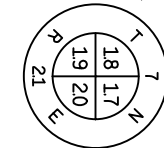
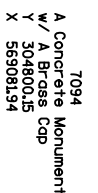
500 WE ENERGIES - ELECTRIC
NO RECORDED EASEMENT
PCL. 70
DOC. 3883520 R. 4145 I. 419
PCL. 70
DOC. 3909566 R. 4182 I. 498
PCL. 70, EXISTING RIGHTS IN R/W
508 US SPRINT
DOC. 6463414 R. 2545 P. 1708
PCL. 62

503 AT&T WISCONSIN
DOC. 3883521 R. 4145 P. 421
PCL. 1
DOC. 4060779 R. 160 I. 846
PCL. 60
DOC. 4062459 R. 161 I. 1119
PCL. 60
DOC. 3560906
PCL. 60
DOC. 3271506 D. 3254 I. 177
PCL. 61
DOC. 09766480
PCL. 61
DOC. 09771077
PCL. 61
DOC. 3883520 R. 4145 I. 419
PCL. 70
DOC. 3909566 R. 4182 I. 498
PCL. 70, EXISTING RIGHTS IN R/W

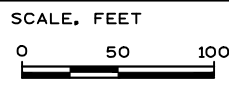
506 MILWAUKEE METROPOLITAN SEWERAGE DISTRICT
DOC. 3444956 D. 3507 P. 176
PCL. 60, EXISTING RIGHTS IN R/W
DOC. 3444957 D. 3507 P. 180
PCL. 60
UA 631 - CITY OF WAUWATOSA
UA 632 - WAUWATOSA WATER UTILITY

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
USH 45	PER DOC 2-R-3973 AN AGREEMENT BETWEEN THE STATE HIGHWAY COMMISSION AND THE CHICAGO & NORTH WESTERN R.R. CO. SIGNED MAY 19, 1961 BEFORE THE PUBLIC SERVICE COMMISSION OF WISCONSIN RELATED TO PROJECTS U 03-K(75) & U 03-K(87)		1961
USH 45	1100-01-23	VARIES	1969
STH 100	2032-02-20	120'	2010
STH 100	U058 - (19)	120'	1957

WAUWATOSA



REVISION DATE	06-11-2015		
07-15-2014	10-27-2016		
09-24-2014	10-31-2019		
04-02-2015			

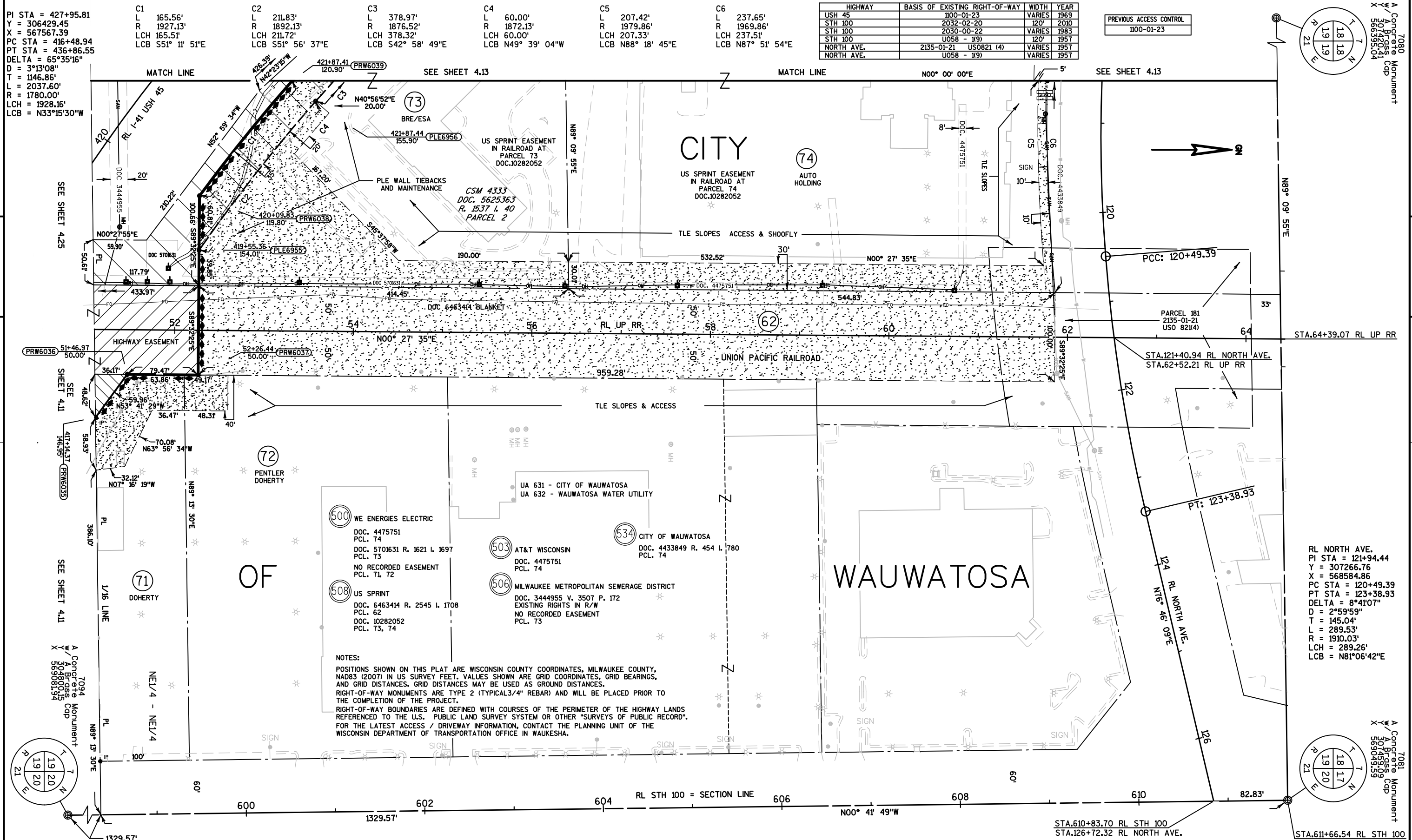


DATE 11-07-2013
COUNTY: MILWAUKEE

HWY: I-41 / USH 45
CONSTRUCTION PROJECT NUMBER 1060-33-84, 1060-33-86

STATE R/W PROJECT NUMBER 1060-33-26

PLAT SHEET 4.11



PI STA = 427+95.81 Y = 306429.45 X = 567567.39 PC STA = 416+48.94 PT STA = 436+86.55 DELTA = 65°35'16"	C1 L 165.56' R 1927.13' LCH 165.51' LCB S51° 11' 51"E	C2 L 211.83' R 1892.13' LCH 211.72' LCB S51° 56' 37"E	C3 L 378.97' R 1876.52' LCH 378.32' LCB S42° 58' 49"E	C4 L 60.00' R 1872.13' LCH 60.00' LCB N49° 39' 04"W	C5 L 207.42' R 1979.86' LCH 207.33' LCB N88° 18' 45"E	C6 L 237.65' R 1969.86' LCH 237.51' LCB N87° 51' 54"E	<table><tr><th>HIGHWAY</th><th>BASIS OF EXISTING RIGHT-OF-WAY</th><th>WIDTH</th><th>YEAR</th></tr><tr><td>USH 45</td><td>1100-01-23</td><td>VARIES</td><td>1969</td></tr><tr><td>STH 100</td><td>2032-02-20</td><td>120'</td><td>2010</td></tr><tr><td>STH 100</td><td>2030-00-22</td><td>VARIES</td><td>1983</td></tr><tr><td>STH 100</td><td>U058 - II(9)</td><td>120'</td><td>1957</td></tr><tr><td>NORTH AVE.</td><td>2135-01-21</td><td>US0821 (4)</td><td>VARIES</td></tr><tr><td>NORTH AVE.</td><td>U058 - II(9)</td><td>VARIES</td><td>1957</td></tr></table>	HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR	USH 45	1100-01-23	VARIES	1969	STH 100	2032-02-20	120'	2010	STH 100	2030-00-22	VARIES	1983	STH 100	U058 - II(9)	120'	1957	NORTH AVE.	2135-01-21	US0821 (4)	VARIES	NORTH AVE.	U058 - II(9)	VARIES	1957	<table><tr><th>PREVIOUS ACCESS CONTROL</th></tr><tr><td>1100-01-23</td></tr></table>	PREVIOUS ACCESS CONTROL	1100-01-23	7080 A Concrete Cap X 507420.41 Y 566395.04
HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR																																				
USH 45	1100-01-23	VARIES	1969																																				
STH 100	2032-02-20	120'	2010																																				
STH 100	2030-00-22	VARIES	1983																																				
STH 100	U058 - II(9)	120'	1957																																				
NORTH AVE.	2135-01-21	US0821 (4)	VARIES																																				
NORTH AVE.	U058 - II(9)	VARIES	1957																																				
PREVIOUS ACCESS CONTROL																																							
1100-01-23																																							

REVISION DATE 06-11-2015 07-15-2014 09-24-2014 04-02-2015	SCALE, FEET 0 50 100	DATE 11-07-2013	HWY: I-41 / USH 45	STATE R/W PROJECT NUMBER 1060-33-26	PLAT SHEET 4.12
		COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-84 1060-33-86		PRE 40

RL I-41 / USH 45
PI STA = 427+95.81
Y = 306429.45
X = 567567.39
PC STA = 416+48.94
PT STA = 436+86.55
DELTA = 65°35'16"
D = 3°13'08"
T = 1146.86'
L = 2037.60'
R = 1780.00'
LCH = 1928.16'
LCB = N33°15'30"W

C12
L 108.04
R 1984.86
LCH 108.02
LCB S87° 07' 47"E

C11
L 107.66
R 1974.86
LCH 107.65
LCB S85° 30' 03"E

C10
L 163.45'
R 1969.86'
LCH 163.40'
LCB S86° 18' 07"E

C9
L 20.11
R 1974.86
LCH 20.11
LCB S83° 38' 51"E

C8
L 20.11
R 1969.86
LCH 20.11
LCB S83° 37' 57"E

C7
L 119.23
R 1979.86
LCH 119.21
LCB S81° 38' 46"E

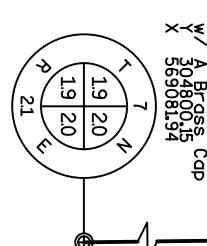
C6
L 119.74'
R 1969.86'
LCH 119.72'
LCB S81° 35' 55"E

C5
L 123.84
R 1979.86
LCH 123.82
LCB S78° 07' 44"E

C4
L 121.02
R 1969.86
LCH 121.00
LCB S78° 05' 49"E

C3
L 378.97'
R 1876.52'
LCH 378.32'
LCB S42° 58' 49"E

C2
L 291.61'
R 1911.52'
LCH 291.33'
LCB S44° 23' 43"E



NOTES:
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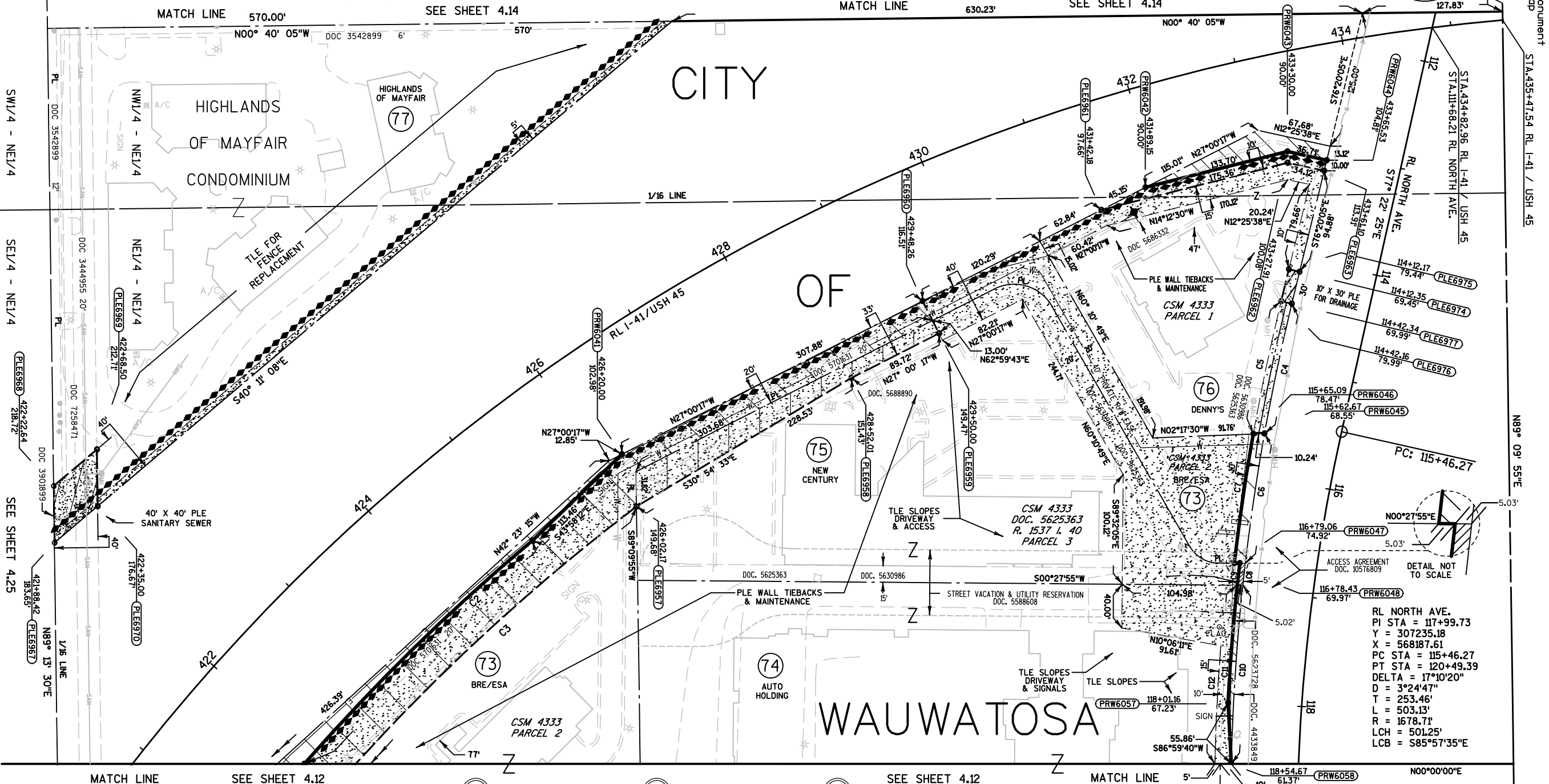
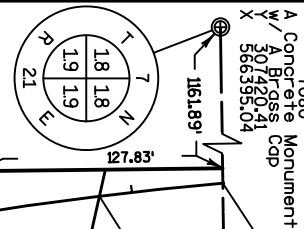
HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
USH 45	1100-01-23	VARIES	1969
USH 45	CSM 4333	VARIES	1983
USH 45	DOC. NO. 5622957	VARIES	1983
NORTH AVENUE	US0821 (4)	VARIES	1957

PREVIOUS ACCESS CONTROL
1100-01-23

(503) AT&T WISCONSIN
DOC. 5588608 R. 1497 I. 1383
PCL. 74

(501) WE ENERGIES - GAS
DOC. 5588608 R. 1497 I. 1383
PCL. 74
DOC. 7258471 R. 3870 I. 1006
PCL. 77

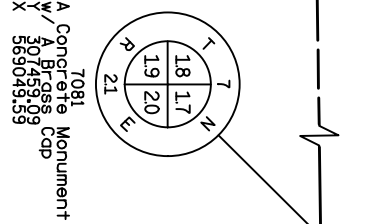
(506) MILWAUKEE METROPOLITAN SEWERAGE DISTRICT
DOC. 3444955 V. 3507 P. 172
PCL. 77, EXISTING RIGHTS IN R/W
DOC. 7258471 R. 3870 I. 1006
PCL. 77



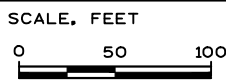
(534) CITY OF WAUWATOSA
DOC. 5588608 R. 1497 I. 1383
PCL. 73, 74, 75
DOC. 5630986 R. 1543 I. 1472
PCL. 73, 75, 76
DOC. 5623728 R. 1535 I. 1102
PCL. 74
DOC. 4433849 R. 454 I. 780
PCL. 74
DOC. 7258471 R. 3870 I. 1006
PCL. 77
DOC. 5625363 R. 1537 I. 42
PCL. 73, 75, 76

(500) WE ENERGIES - ELECTRIC
DOC. 5701631 R. 1621 I. 1697
PCL. 73
DOC. 5688890 R. 1607 I. 1250
PCL. 75
DOC. 5686332 R. 1605 I. 441
PCL. 76
DOC. 3542899 V. 3647 P. 560
PCL. 77
DOC. 3901899
PCL. 77
DOC. 7258471 R. 3870 I. 1006
PCL. 77

(532) WAUWATOSA WATER UTILITY
DOC. 5630986 R. 1543 I. 1472
PCL. 73, 75
DOC. 5588608 R. 1497 I. 1383
PCL. 75
DOC. 5625363 R. 1537 I. 42
PCL. 73, 75
UA 631 CITY OF WAUWATOSA
UA 632 WAUWATOSA WATER UTILITY



REVISION	DATE	DESCRIPTION
06-11-2015	06-11-2015	06-11-2015
07-15-2014	10-27-2016	07-15-2014
09-24-2014	10-31-2019	09-24-2014
04-02-2015		04-02-2015



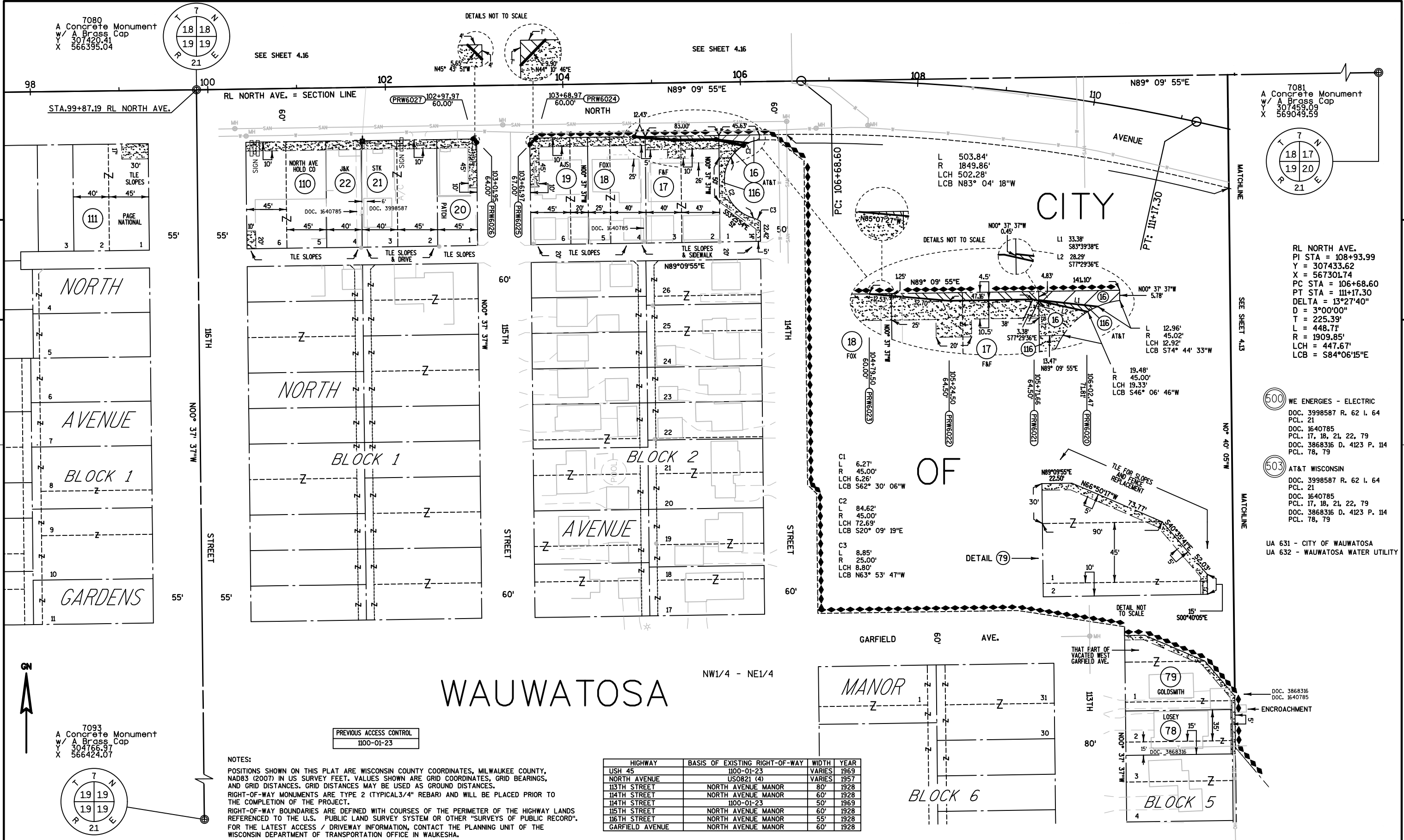
DATE 11-07-2013
COUNTY: MILWAUKEE

HWY: I-41 / USH 45
CONSTRUCTION PROJECT NUMBER

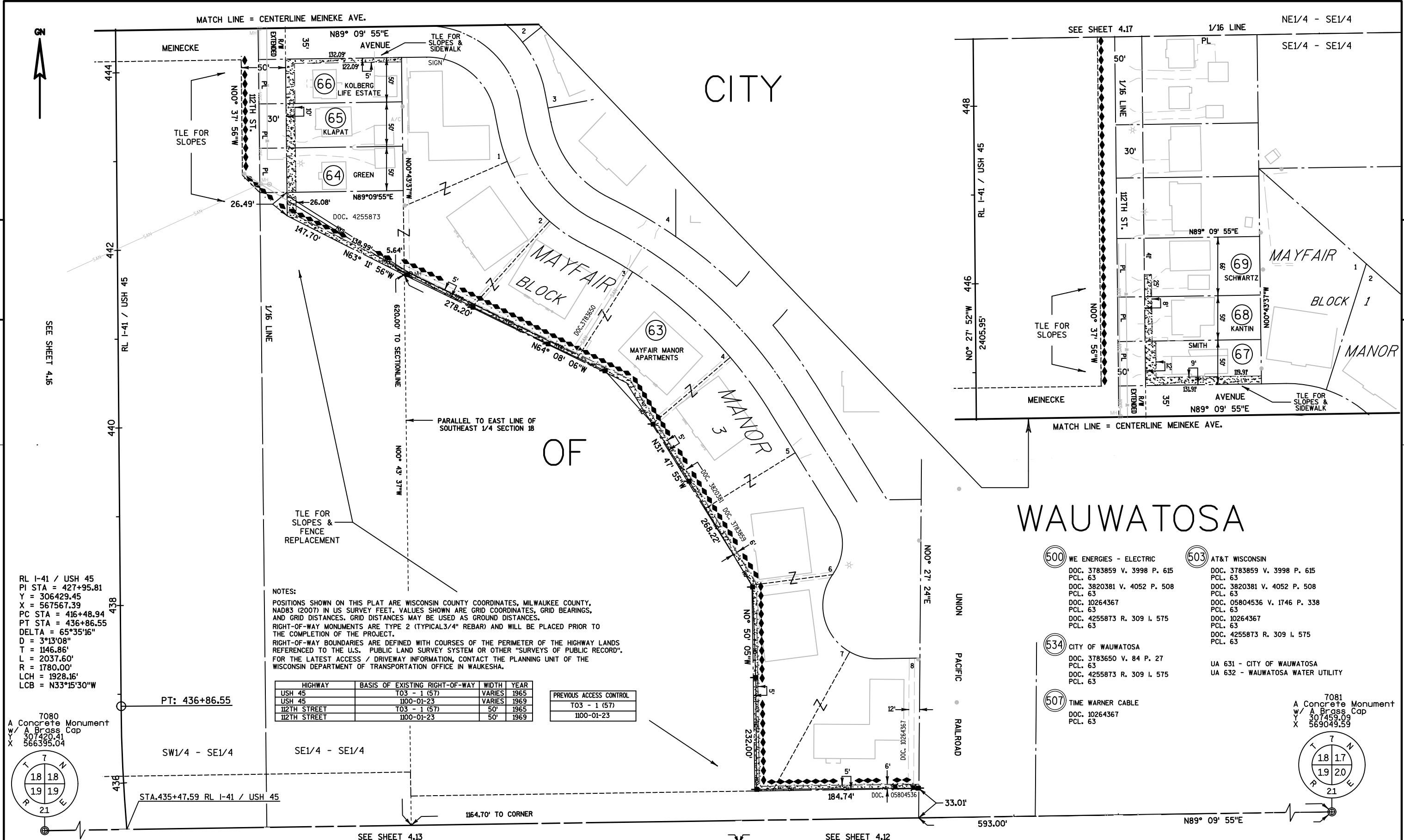
STATE R/W PROJECT NUMBER 1060-33-26
1060-33-84, 1060-34-76

PLAT SHEET 4.13
PRE 47

1241

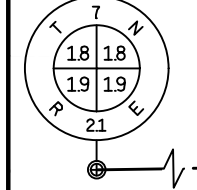


REVISION DATE		SCALE, FEET		DATE		HWY: I-41 / USH 45		STATE R/W PROJECT NUMBER 1060-33-26		PLAT SHEET 4.14	
06-11-2015		0		11-07-2013							
07-15-2014		50									
09-24-2014		100		COUNTY: MILWAUKEE		CONSTRUCTION PROJECT NUMBER 1060-33-84				PRE 48	
04-02-2015										1242	



RL I-41 / USH 45
PI STA = 427+95.81
Y = 306429.45
X = 567567.39
PC STA = 416+48.94
PT STA = 436+86.55
DELTA = 65°35'16"
D = 3°13'08"
T = 1146.86'
L = 2037.60'
R = 1780.00'
LCH = 1928.16'
LCB = N33°15'30"W

7080
A Concrete Monument
w/ A Brass Cap
Y 307420.41
X 566395.04



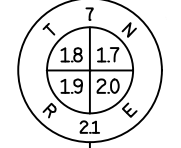
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HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
USH 45	T03 - 1 (57)	VARIES	1965
USH 45	1100-01-23	VARIES	1969
112TH STREET	T03 - 1 (57)	50'	1965
112TH STREET	1100-01-23	50'	1969

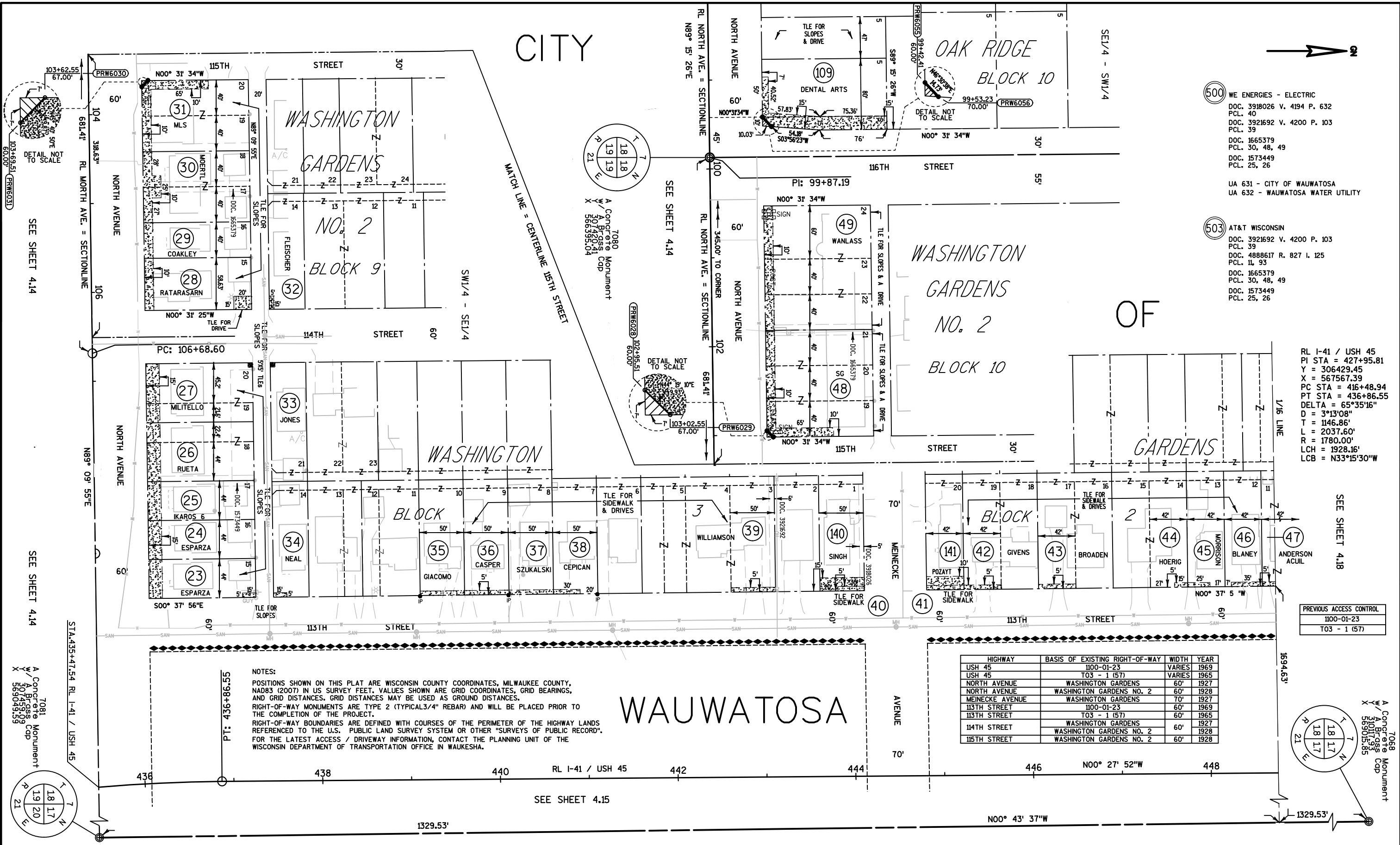
PREVIOUS ACCESS CONTROL
T03 - 1 (57)
1100-01-23

- (500) WE ENERGIES - ELECTRIC
DOC. 3783859 V. 3998 P. 615
PCL. 63
DOC. 3820381 V. 4052 P. 508
PCL. 63
DOC. 10264367
PCL. 63
DOC. 4255873 R. 309 I. 575
PCL. 63
- (503) AT&T WISCONSIN
DOC. 3783859 V. 3998 P. 615
PCL. 63
DOC. 3820381 V. 4052 P. 508
PCL. 63
DOC. 05804536 V. 1746 P. 338
PCL. 63
DOC. 10264367
PCL. 63
DOC. 4255873 R. 309 I. 575
PCL. 63
UA 631 - CITY OF WAUWATOSA
UA 632 - WAUWATOSA WATER UTILITY
- (534) CITY OF WAUWATOSA
DOC. 3783650 V. 84 P. 27
PCL. 63
DOC. 4255873 R. 309 I. 575
PCL. 63
- (507) TIME WARNER CABLE
DOC. 10264367
PCL. 63

7081
A Concrete Monument
w/ A Brass Cap
Y 307459.09
X 569049.59



REVISION DATE	06-11-2015	SCALE, FEET	11-07-2013	HWY: I-41 / USH 45	STATE R/W PROJECT NUMBER 1060-33-26	PLAT SHEET 4.15
07-15-2014	10-27-2016	0 50 100	COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-84		PRE 49
09-24-2014	10-31-2019					1243
04-02-2015						E



REVISION DATE	06-11-2015		
	07-15-2014	10-27-2016	
	09-24-2014	10-31-2019	
	04-02-2015		



DATE 11-07-2013
COUNTY: MILWAUKEE

HWY: I-41 / USH 45

STATE R/W PROJECT NUMBER 1060-33-26

PLAT SHEET 4.16

CONSTRUCTION PROJECT NUMBER 1060-33-84

PRE 30

1244

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
USH 45	TO3 - 1 (57)	290'	1965
113TH STREET	TO3 - 1 (57)	60'	1965
CENTER STREET	WASHINGTON GARDENS	45'	1927
	WASHINGTON GARDENS NO.2		1928
114TH STREET	WASHINGTON GARDENS	60'	1927
	WASHINGTON GARDENS NO.2		1928

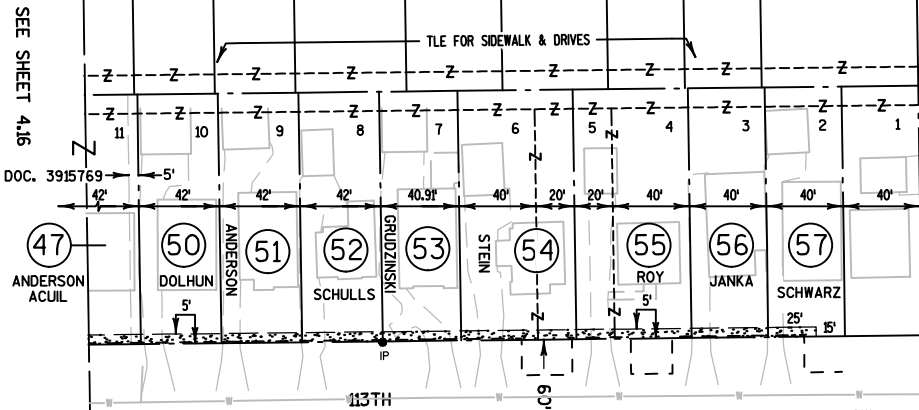
PREVIOUS ACCESS CONTROL
TO3 - 1 (57)

CITY

WASHINGTON
BLOCK 8

114 116 118 120 122 124 126
114TH STREET

WASHINGTON
BLOCK 2



NOTES:

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(500) WE ENERGIES - ELECTRIC
DOC. 3943724 D. 4233 P. 70
PCL. 94
DOC. 3775016 D. 3985 P. 378
PCL. 94, 95
DOC. 4888617 R. 827 I. 125
PCL. 11, 93
DOC. 1665379
PCL. 11, 93, 94, 95
DOC. 1573449
PCL. 10, 90
DOC. 3994799 R. 54 I. 927
PCL. 10, 90

(500) WE ENERGIES - ELECTRIC
DOC. 3915769 V. 4191 P. 403
PCL. 47
NO RECORDED EASEMENT
PCL. 95

(503) AT&T WISCONSIN
DOC. 3775016 D. 3985 P. 378
PCL. 94, 95
DOC. 4888617 R. 827 I. 125
PCL. 11, 93
DOC. 1665379
PCL. 11, 93, 94, 95
DOC. 1573449
PCL. 10, 90
DOC. 3994799 R. 54 I. 927
PCL. 10, 90
NO RECORDED EASEMENT
PCL. 95

(534) CITY OF WAUWATOSA
DOC. 3775016 D. 3985 P. 378
PCL. 94, 95
DOC. 4888617 R. 827 I. 125
PCL. 11, 93
DOC. 3994799 R. 54 I. 927
PCL. 10, 90
UA 631 - CITY OF WAUWATOSA
UA 632 - WAUWATOSA WATER UTILITY

(532) WAUWATOSA WATER UTILITY
DOC. 3775016 D. 3985 P. 378
PCL. 94, 95
DOC. 4888617 R. 827 I. 125
PCL. 11, 93
DOC. 3994799 R. 54 I. 927
PCL. 10, 90

PC: 460+92.50

STA.462+03.75 RL I-41 / USH 45
STA.20+14.00 RL CENTER ST.

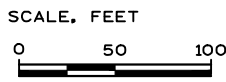
STA. 34+96.15 RL CENTER ST.

WAUWATOSA

SEE SHEET 4.17

SEE SHEET 4.17

REVISION DATE	06-11-2015	07-15-2014	09-24-2014	04-02-2015
	10-27-2016	10-31-2019		



11-07-2013
COUNTY: MILWAUKEE

HWY: I-41 / USH 45

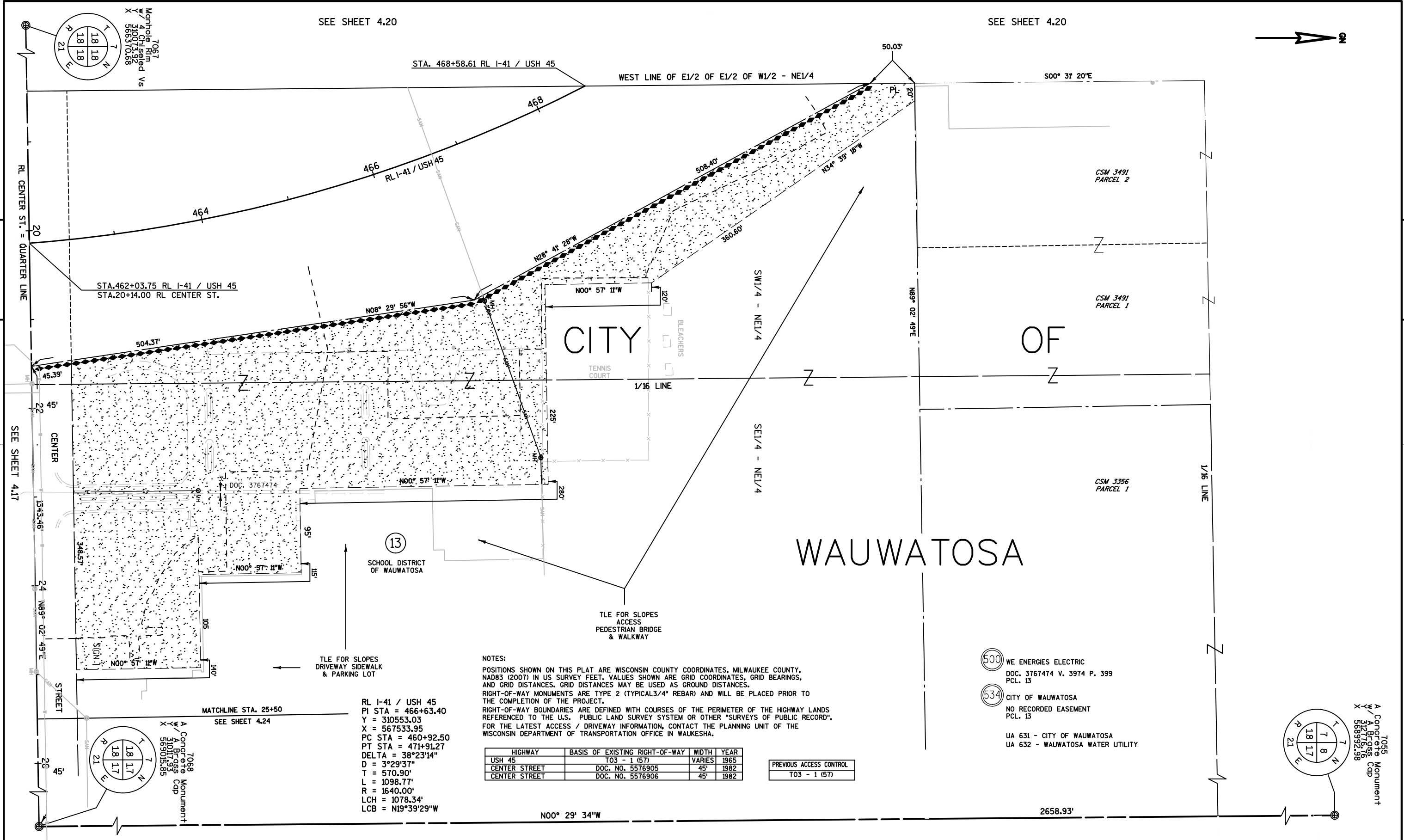
STATE R/W PROJECT NUMBER 1060-33-26

PLAT SHEET 4.18

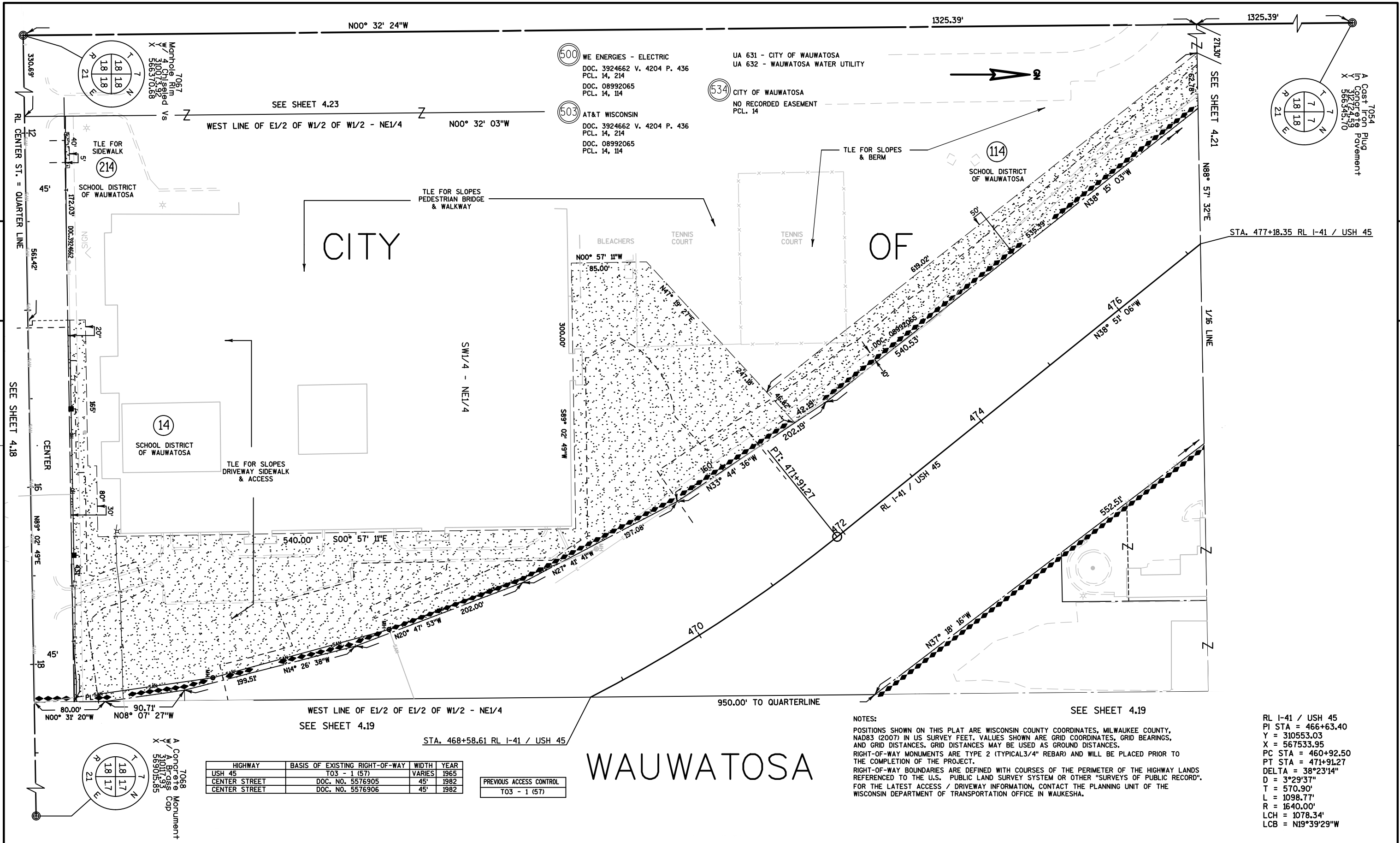
CONSTRUCTION PROJECT NUMBER 1060-33-84 1060-34-84 1060-35-85

PRE 32

1246



REVISION DATE 06-11-2015 07-15-2014 09-24-2014 04-02-2015 10-27-2016 10-31-2019	SCALE, FEET 0 50 100	DATE 11-07-2013 COUNTY: MILWAUKEE	HWY: I-41 / USH 45 CONSTRUCTION PROJECT NUMBER	STATE R/W PROJECT NUMBER 1060-33-26 1060-33-83 1060-34-84 1060-33-84	PLAT SHEET 4.19 PRE 33
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(500) WE ENERGIES - ELECTRIC
DOC. 3924662 V. 4204 P. 436
PCL. 14, 214
DOC. 08992065
PCL. 14, 114

(503) AT&T WISCONSIN
DOC. 3924662 V. 4204 P. 436
PCL. 14, 214
DOC. 08992065
PCL. 14, 114

UA 631 - CITY OF WAUWATOSA
UA 632 - WAUWATOSA WATER UTILITY

(534) CITY OF WAUWATOSA
NO RECORDED EASEMENT
PCL. 14

(114) SCHOOL DISTRICT
OF WAUWATOSA

(14) SCHOOL DISTRICT
OF WAUWATOSA

TLE FOR SLOPES
DRIVEWAY SIDEWALK
& ACCESS

TLE FOR SLOPES
PEDESTRIAN BRIDGE
& WALKWAY

TLE FOR SLOPES
& BERM

BLEACHERS

TENNIS COURT

TENNIS COURT

N00° 57' 11"W

85.00'

N47° 19' 27"E

300.00'

S89° 02' 49"W

589' 02' 49"W

N27° 41' 41"W

157.08'

N20° 47' 53"W

202.00'

N14° 26' 38"W

199.51'

N00° 31' 20"W

80.00'

N08° 07' 27"W

90.71'

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N08° 07' 27"W

90.71'

N20° 47' 53"W

202.00'

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199.51'

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80.00'

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90.71'

N20° 47' 53"W

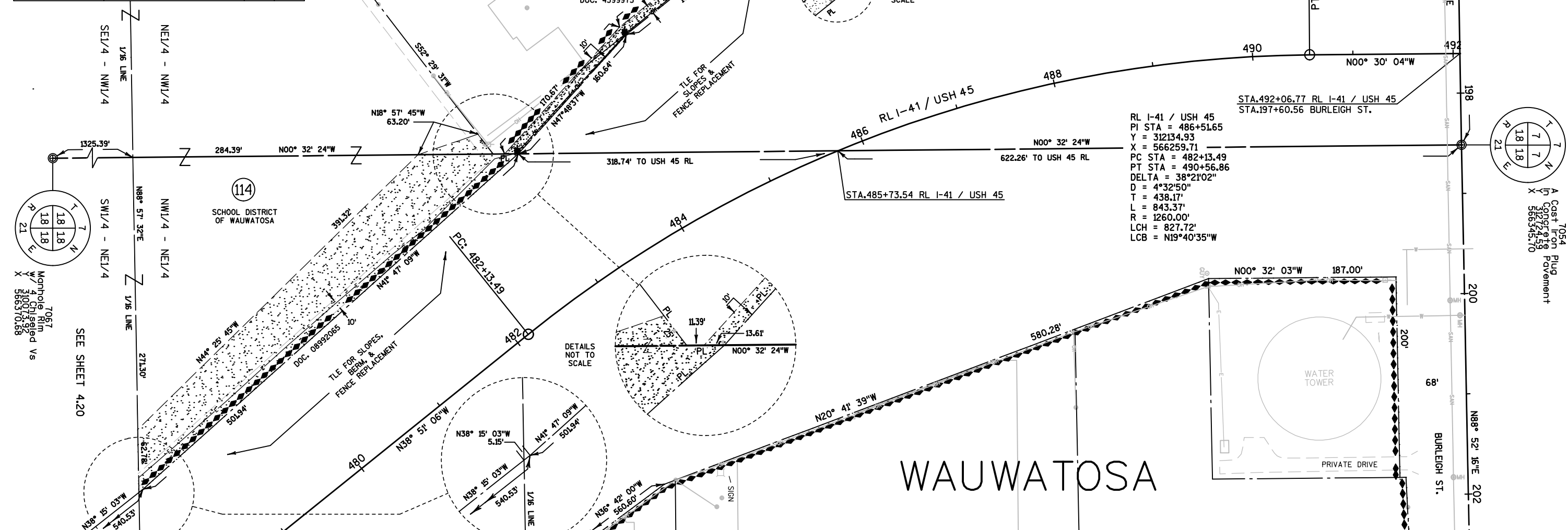
202.00'

(503) AT&T WISCONSIN
DOC. 4399975 R. 425 I. 1685
PCL. 58
DOC. 9523313
PCL. 80
DOC. 4384274 R. 412 I. 1148
PCL. 80
DOC. 4386869 R. 414 I. 1699
PCL. 81
DOC. 08992065
PCL. 114
UA 631 - CITY OF WAUWATOSA
UA 632 - WAUWATOSA WATER UTILITY

(500) WE ENERGIES - ELECTRIC
DOC. 4399975 R. 425 I. 1685
PCL. 58
DOC. 4947900 R. 880 I. 128
PCL. 58
DOC. 4384274 R. 412 I. 1148
PCL. 80
DOC. 4386869 R. 414 I. 1699
PCL. 81
DOC. 08992065
PCL. 114

NOTES:
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, MILWAUKEE COUNTY, NAD83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.
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 IN WAUKESHA.

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
USH 45	T03 - 1 (57)	VARIES	1965
BURLEIGH STREET	T03 - 1 (57)	VARIES	1965



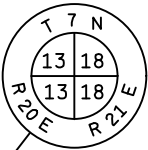
REVISION DATE	06-11-2015	SCALE, FEET	DATE 11-07-2013	HWY: I-41 / USH 45	STATE R/W PROJECT NUMBER 1060-33-26	PLAT SHEET 4.21
07-15-2014	10-27-2016	0	COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-84, 1060-34-74		PRE 33
09-24-2014	10-30-2019	50				SHEET 4.22 OM 1249
04-02-2015		100				E

NOTES:

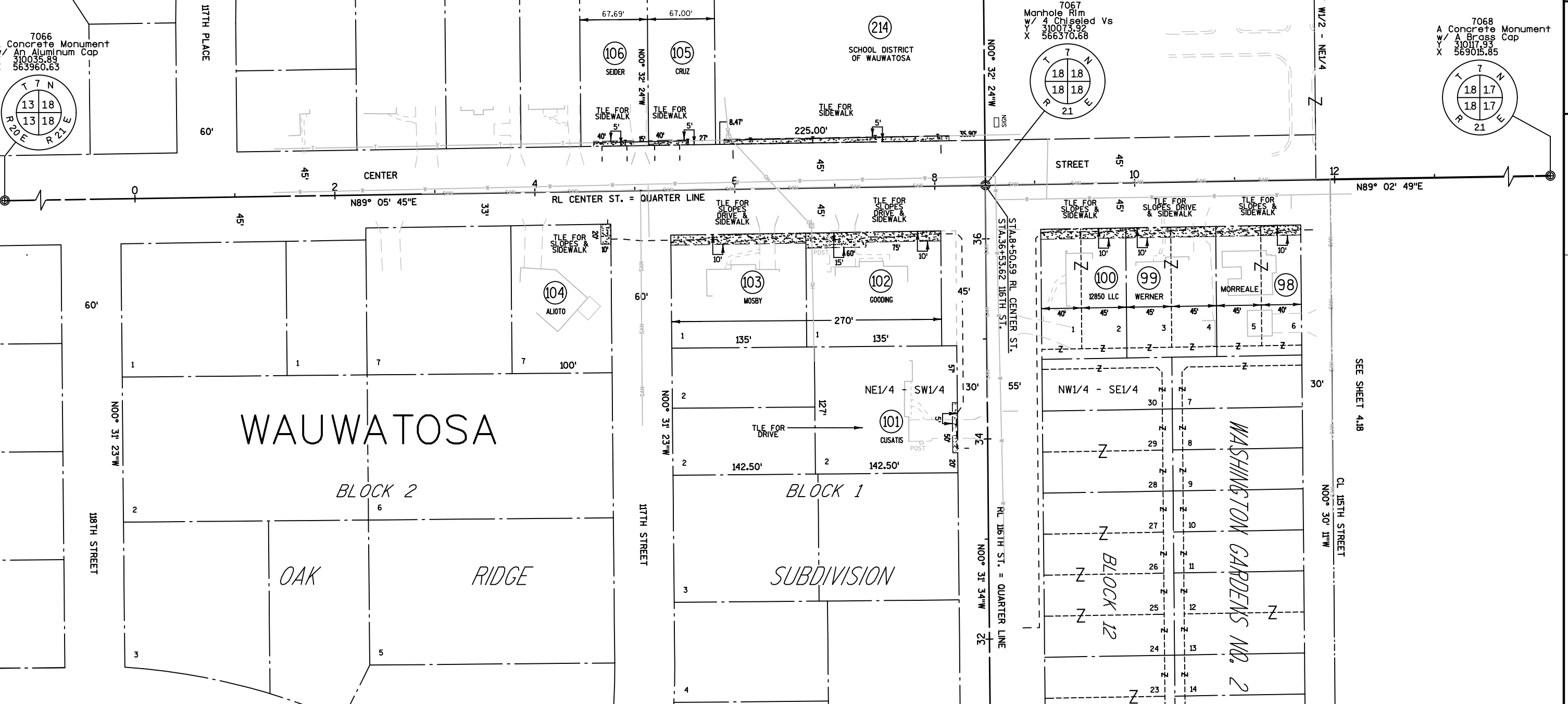
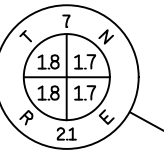
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, MILWAUKEE COUNTY, NAD83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.
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FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
CENTER STREET	OAK RIDGE	33'	1925
CENTER STREET	WASHINGTON GARDENS NO.2	45'	1928
CENTER STREET	DOC. 270359	33'	1947
CENTER STREET	CITY OF WAUWATOSA	45'	1962
115TH STREET	WASHINGTON GARDENS NO.2	60'	1928
116TH STREET	WASHINGTON GARDENS NO.2	55'	1928
116TH STREET	OAK RIDGE	30'	1925
117TH STREET	OAK RIDGE	60'	1925
118TH STREET			

7066
A Concrete Monument
w/ An Aluminum Cap
Y 310035.89
X 563960.63

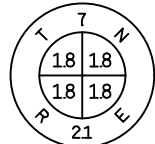


7068
A Concrete Monument
w/ A Brass Cap
Y 310117.35
X 569015.85



NOTES:
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, MILWAUKEE COUNTY, NAD83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.
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 IN WAUKESHA.

7067
Manhole Rim
w/ 4 Chiseled Vs
Y 310073.92
X 566370.68



MATCHLINE STA. 25+50
SEE SHEET 4.19

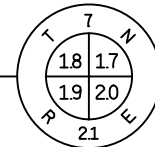
CITY

OF

M742088

CSM 7932
LOT 1

7068
A Concrete Monument
w/ A Brass Cap
Y 310117.93
X 569015.85



STA.34+96.15 RL CENTER ST.
STA.638+25.59 RL STH 100

RL CENTER ST. = QUARTERLINE

N89° 02' 49"E

N00° 43' 37"W

RL STH 100 = SECTIONLINE

CL 11TH STREET
SEE SHEET 4.17

N00° 29' 26"E

UNION PACIFIC RAILROAD

WAUWATOSA

M742091
CSM 1518
Doc. 2585583
R. 581 L. 1761
LOT 1

CSM 2977
Parcel 1

CSM 2977
Parcel 2

CSM 2977 Parcel 2

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
CENTER STREET	DOC. 270359	33'	1947
CENTER STREET	CITY OF WAUWATOSA	45'	
CENTER STREET	FISHER'S WOODS	45'	1937
11TH STREET	FISHER'S WOODS	70'	1937
STH 100	U058 - 1(9)	120'	1957

REVISION DATE	06-11-2015	-----	-----
07-15-2014	10-27-2016	-----	-----
09-24-2014	10-31-2019	-----	-----
04-02-2015	-----	-----	-----

SCALE, FEET
0 50 100

DATE 11-07-2013

HWY: I-41 / USH 45

STATE R/W PROJECT NUMBER 1060-33-26

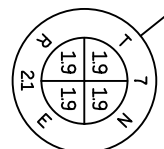
PLAT SHEET 4.24

COUNTY: MILWAUKEE

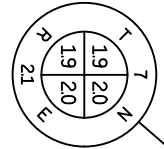
CONSTRUCTION PROJECT NUMBER 1060-33-84

PRE 37

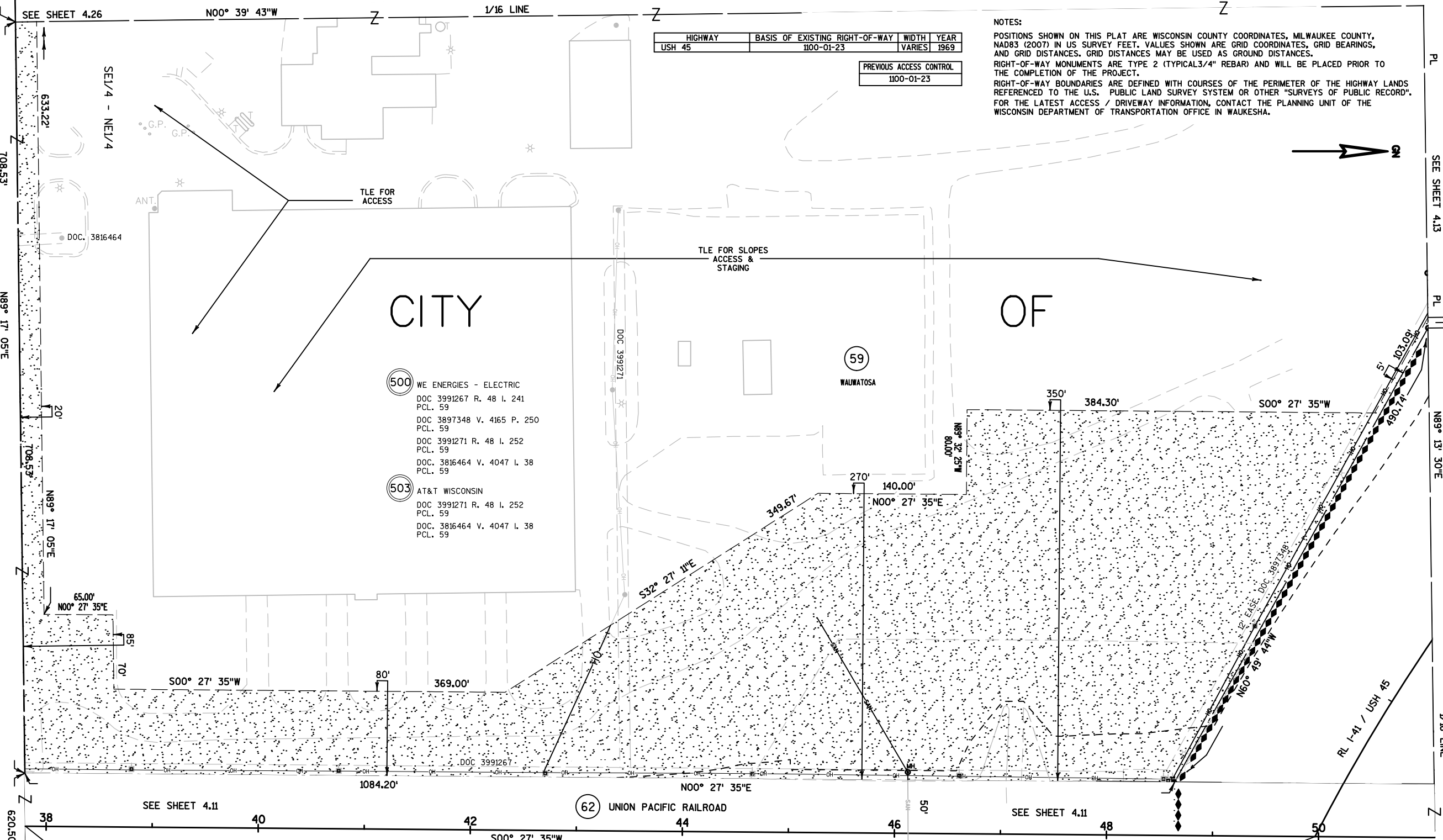
1251



7093
A Concrete Monument
w/ A Brass Cap
Y 304766.97
X 566424.07



7094
A Concrete Monument
w/ A Brass Cap
Y 304800.15
X 569081.94



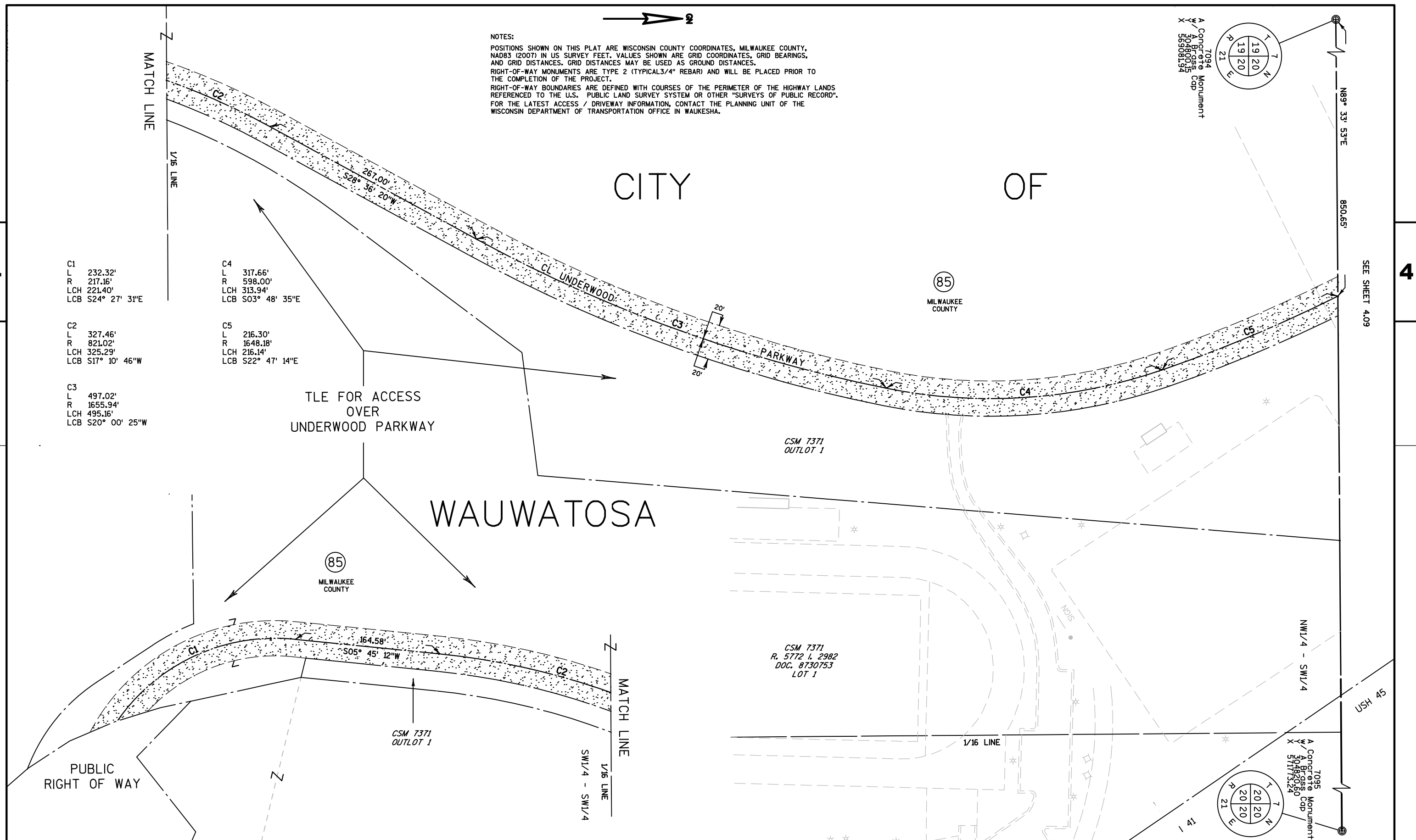
NOTES:
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, MILWAUKEE COUNTY, NAD83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4\"/>

I-41 / USH 45
PI STA = 427+95.81
Y = 306429.45
X = 567567.39
PC STA = 416+48.94
PT STA = 436+86.55
DELTA = 65°35'16\"/>

REVISION DATE	06-11-2015		
07-15-2014	10-27-2016		
09-24-2014	10-31-2019		
04-02-2015			

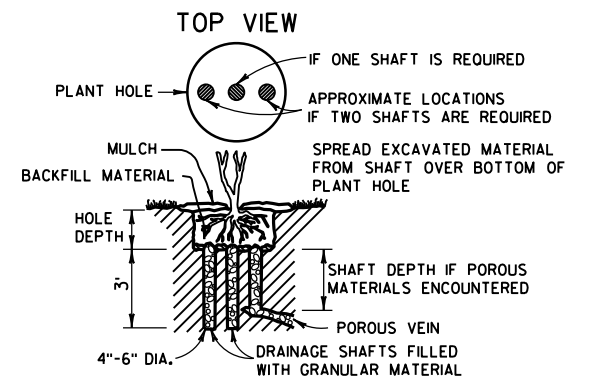
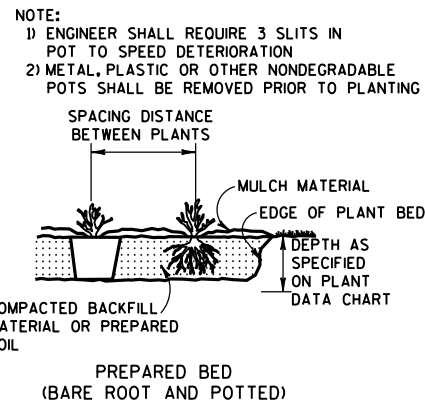
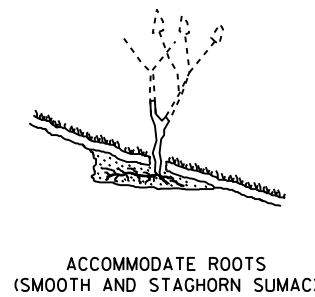
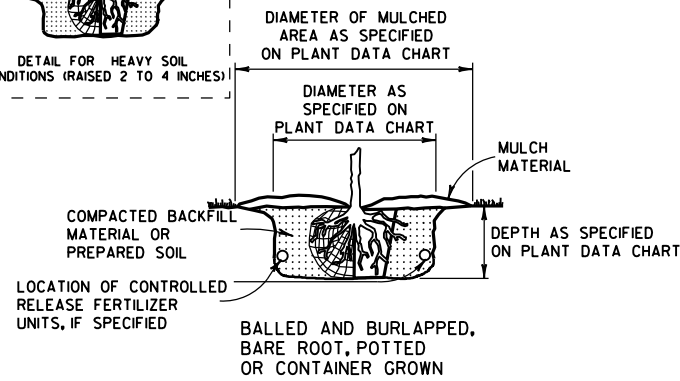
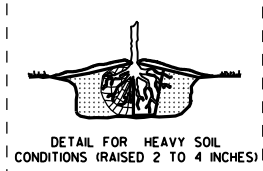
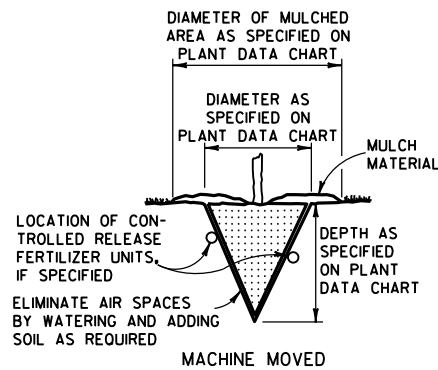


11-07-2019	HWY: I-41 / USH 45	STATE R/W PROJECT NUMBER 1060-33-26	PLAT SHEET 4.25
COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-84		PRE 38



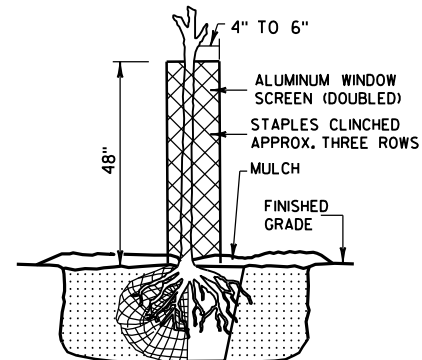
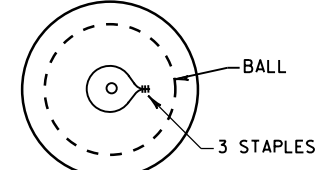
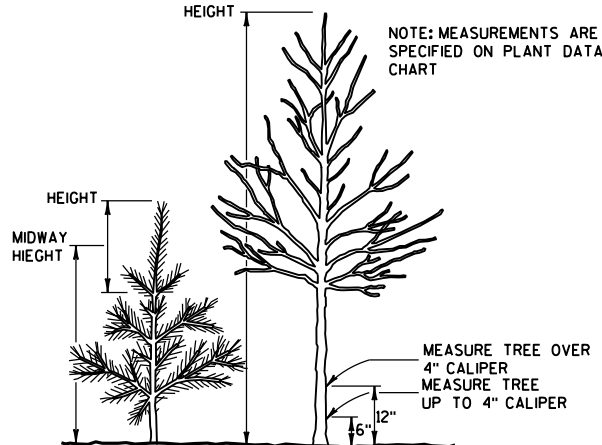
NOTES:

REVISION DATE	16-11-2015	-----	-----
07-15-2014	10-27-2015	-----	-----
09-24-2014	10-31-2019	-----	-----
04-02-2015	-----	-----	-----

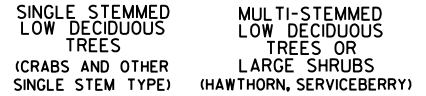
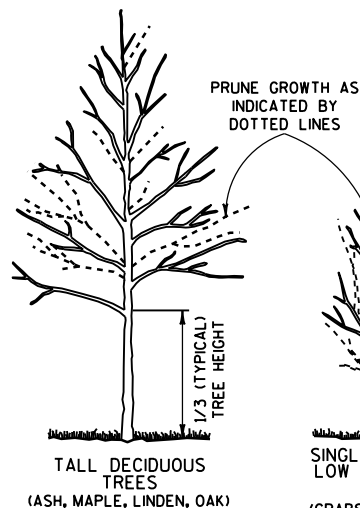
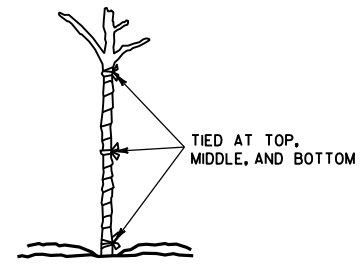


NOTE: DRAINAGE SHAFT AS SPECIFIED ON PLANT DATA CHART

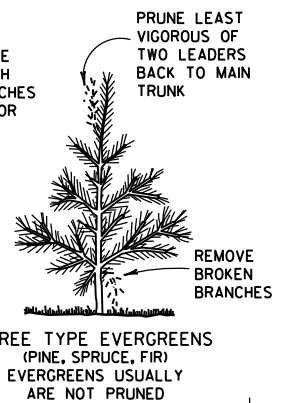
DRAINING



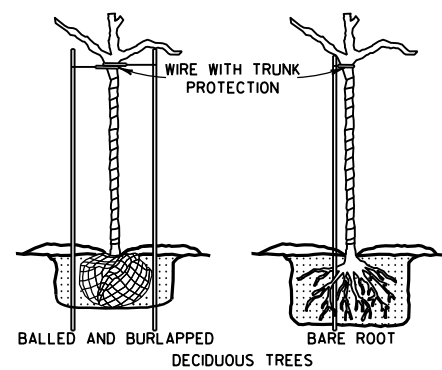
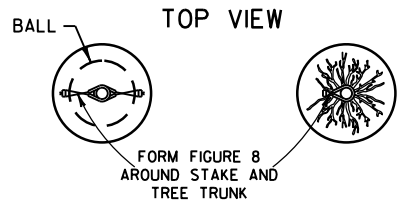
RODENT PROTECTION



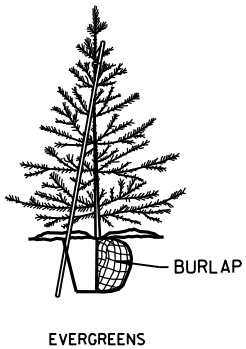
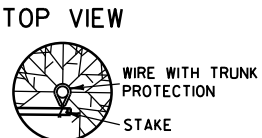
NOTE: WHEN PRUNING, PRESERVE CHARACTER AND SHAPE OF TREE. AVOID LEAVING STUBS - REMOVE BRANCH OR TWIG BACK TO THE NEAREST CROTCH
1) PRUNE TO REMOVE DEAD AND BROKEN BRANCHES
2) PRUNE TO REMOVE BRANCHES THAT TOUCH OR ARE TOO CLOSE TO OTHER BRANCHES



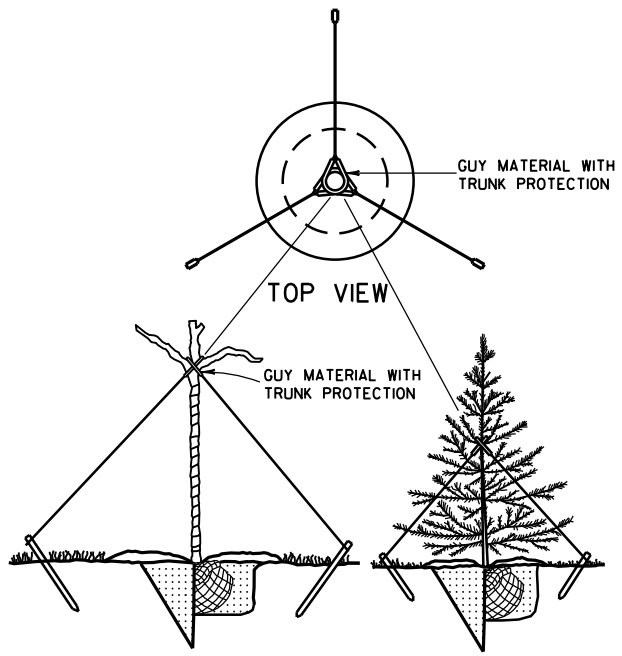
PRUNING



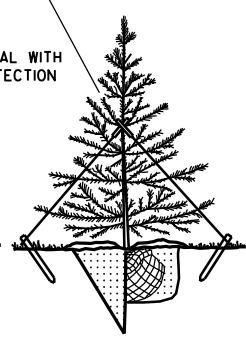
BRACING



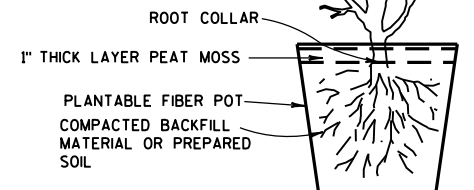
NOTE: BRACING STAKE
1) SHALL BE DRIVEN INTO THE GROUND AS CLOSE TO THE TREE AS POSSIBLE WITHOUT DAMAGING THE BRANCHES.
2) MAY BE DRIVEN AT SUCH AN ANGLE THAT IT DOES NOT PENETRATE THE BALL OR POT.
3) SHALL NOT PROTRUDE ABOVE THE TOP OF THE TREE; AND
4) SHALL HAVE A HOLE NEAR THE TOP TO HOLD THE WIRE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



GUYING



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



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/ R. L. Rhinesmith
CHIEF METHODS DEVELOPMENT ENGINEER
FHWA



SDD 15D12-a Traffic Control, Lane Closure

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.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

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

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

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

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

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

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS

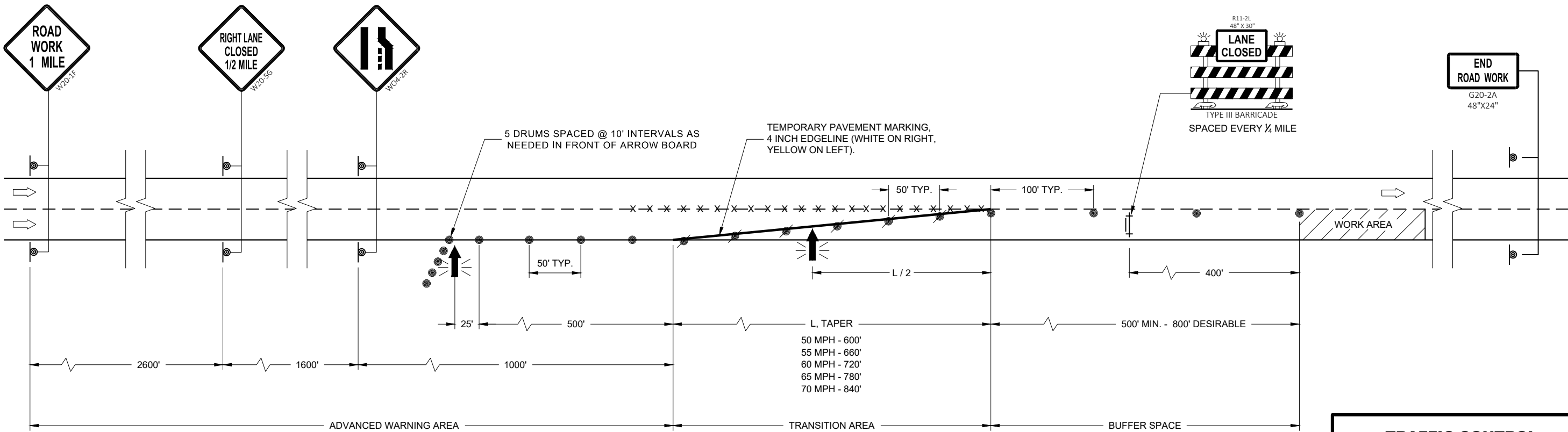
NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

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

6



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SDD 15D12 - 09a

SDD 15D12 - 09a

TRAFFIC CONTROL LANE CLOSURE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED August 2020 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER



SDD 15D20-a Traffic Control, Single Lane Closure, Divided Non-Freeway/Expressway

LEGEND

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

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

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.

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 REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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 TEMPORARY SUPPORTS.

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 TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

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.

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.

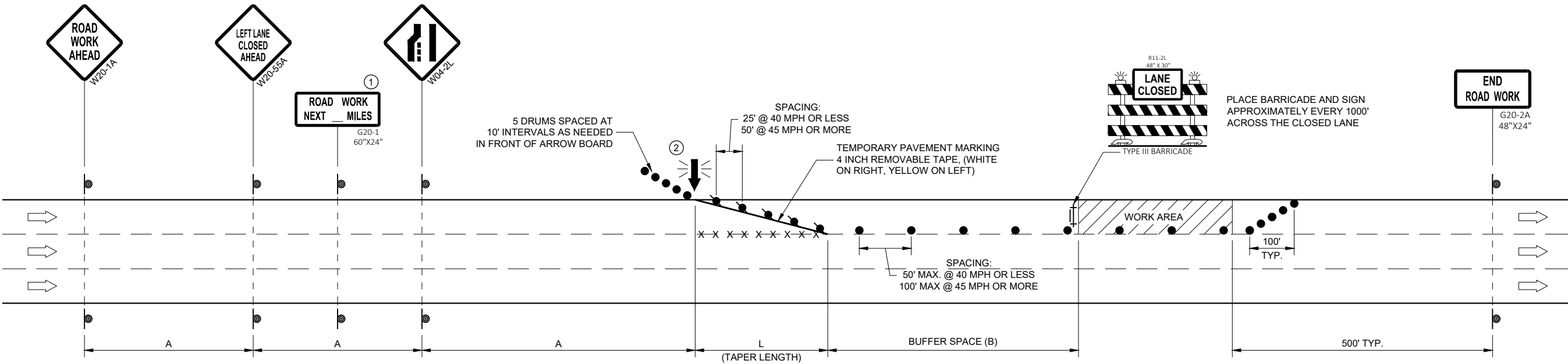
CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

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

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

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

- ① OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.
- ② WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE
/S/ Andrew Heidke
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA



SDD 15D20-b Traffic Control, Single Right Lane Closure, Undivided Non-Freeway/Expressway

LEGEND

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

GENERAL NOTES

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

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 REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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 TEMPORARY SUPPORTS.

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 TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

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.

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.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

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

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

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

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'
50	500'	600'	280'
55	500'	660'	335'

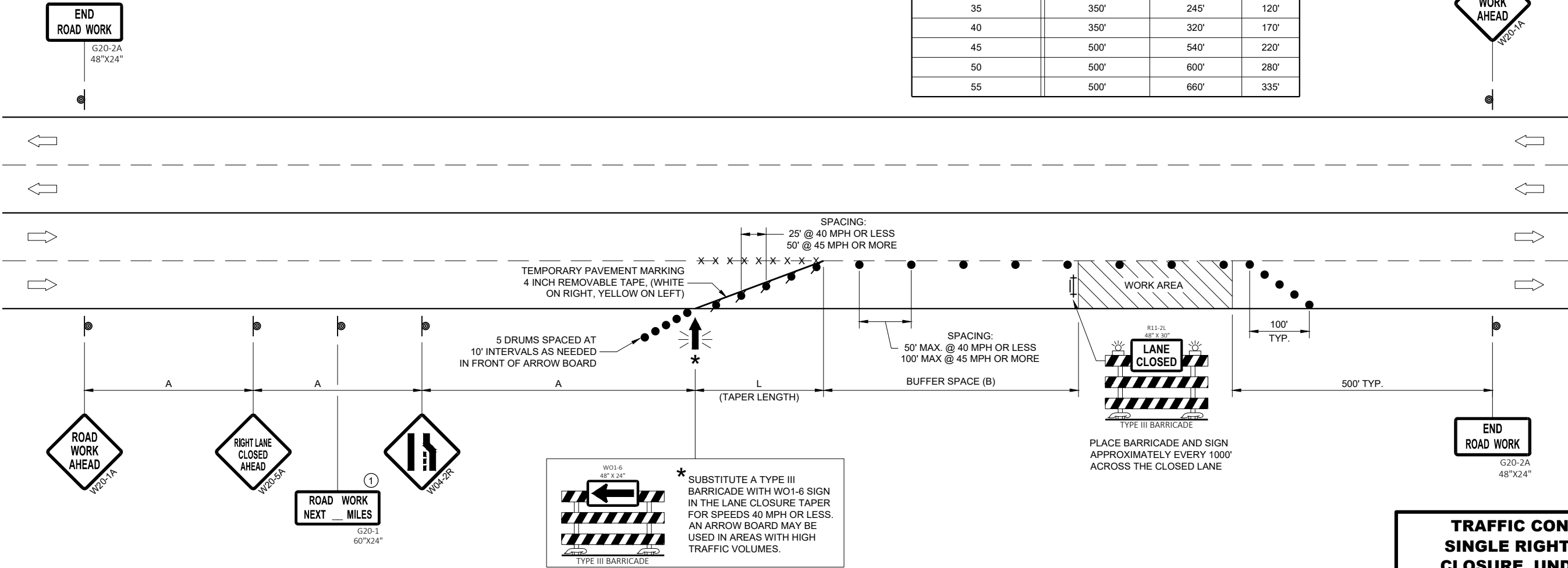
① OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

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SDD 15D20 - 05b

SDD 15D20 - 05b



TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2020

DATE

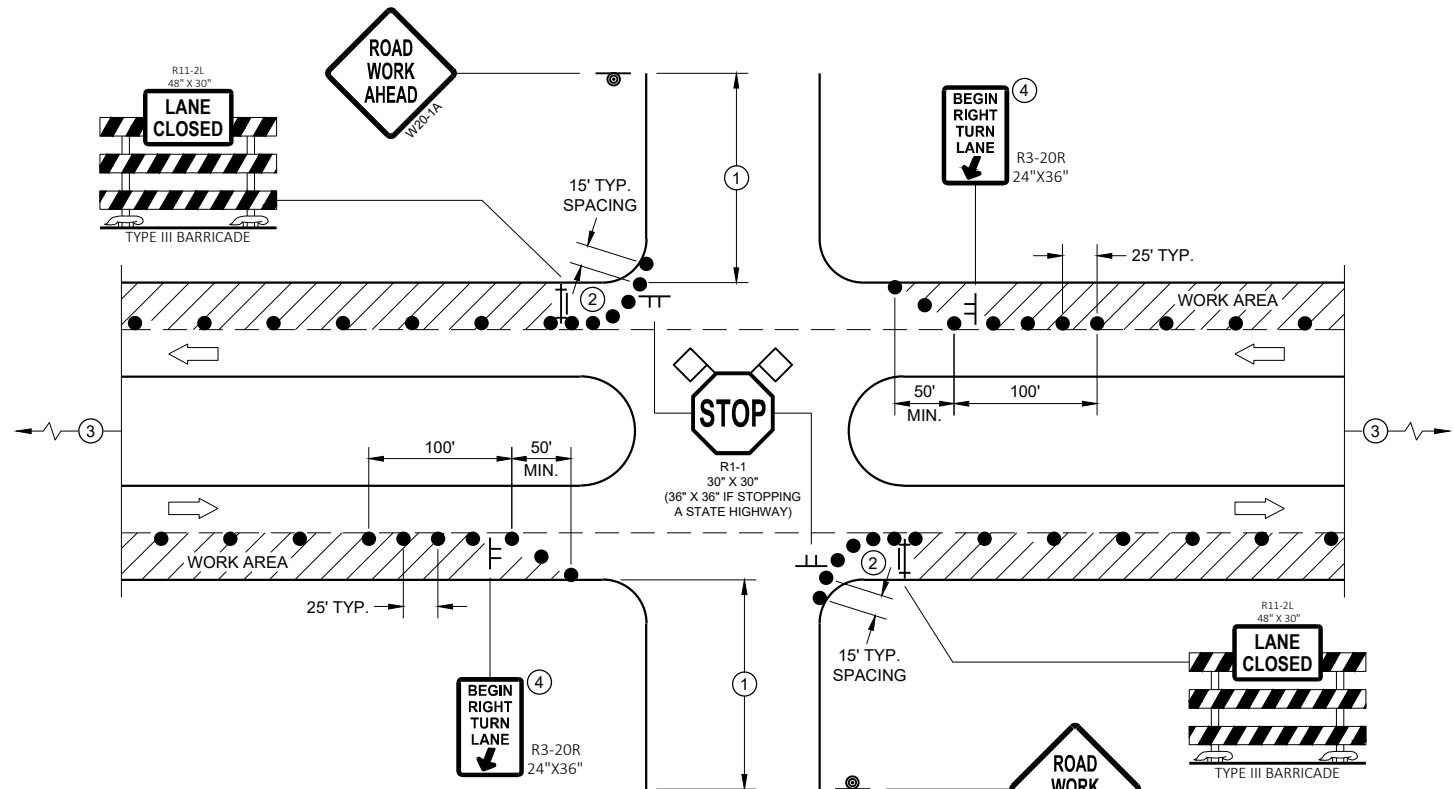
FHWA

/S/ Andrew Heldtke

STATEWIDE WORK ZONE TRAFFIC

SAFETY ENGINEER

FHWA



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR RIGHT LANE CLOSURE AT INTERSECTION

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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 TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

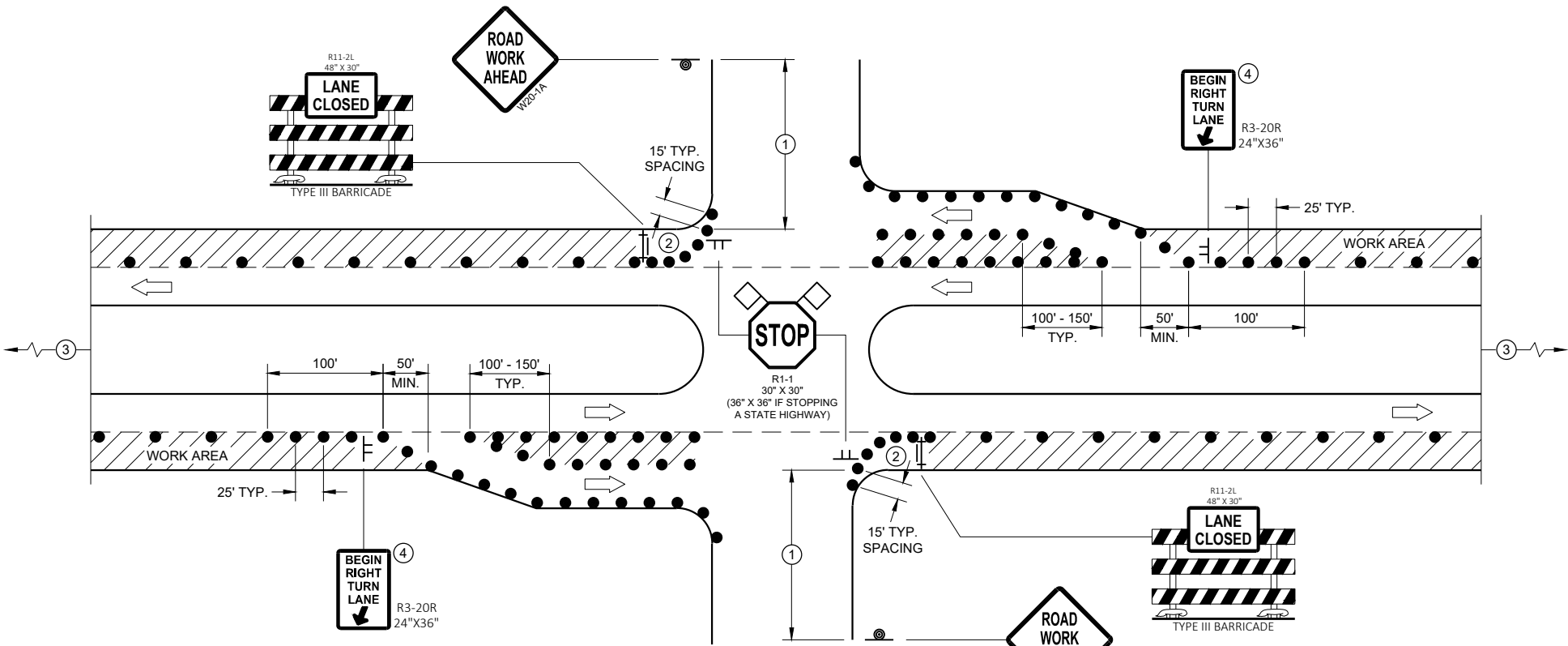
SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

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

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

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

- ① 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.
- ② ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS
- ③ SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.
- ④ MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



SDD 15D27 Traffic Control, Shoulder Closure on Divided Roadway, Speeds Greater Than 40 MPH

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- 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.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

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

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

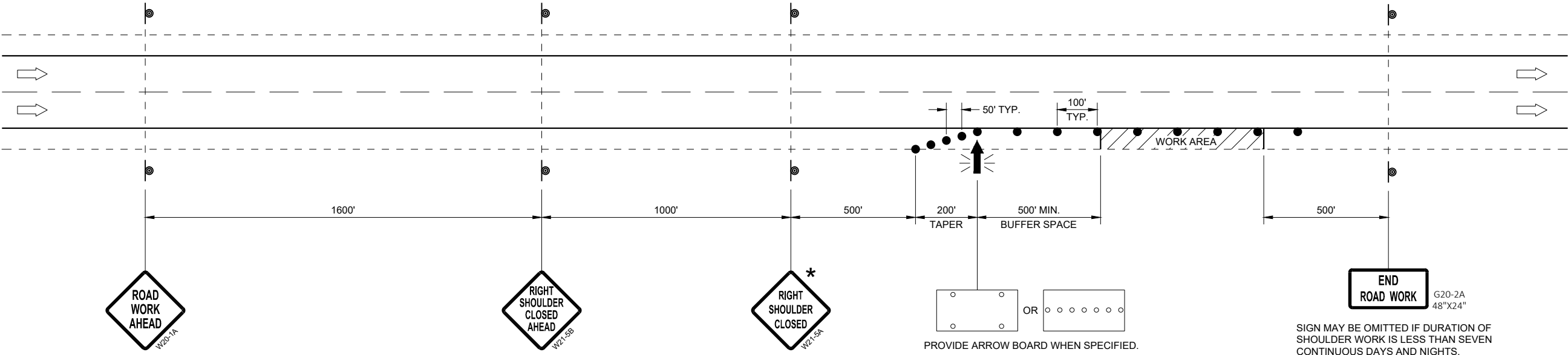
WHEN A RAMP OR SIDE ROAD INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

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

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

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

★ FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOURM 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/ Andrew Heldtke
STATEWIDE WORK ZONE TRAFFIC
SAFETY ENGINEER

FHWA

SDD 15D27 - 03

SDD 15D27 - 03



SDD 15D28 Traffic Control, Work on Shoulder or Parking Lane, Undivided Roadway

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- DIRECTION OF TRAFFIC
- WORK ZONE

GENERAL NOTES

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 THE REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

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

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

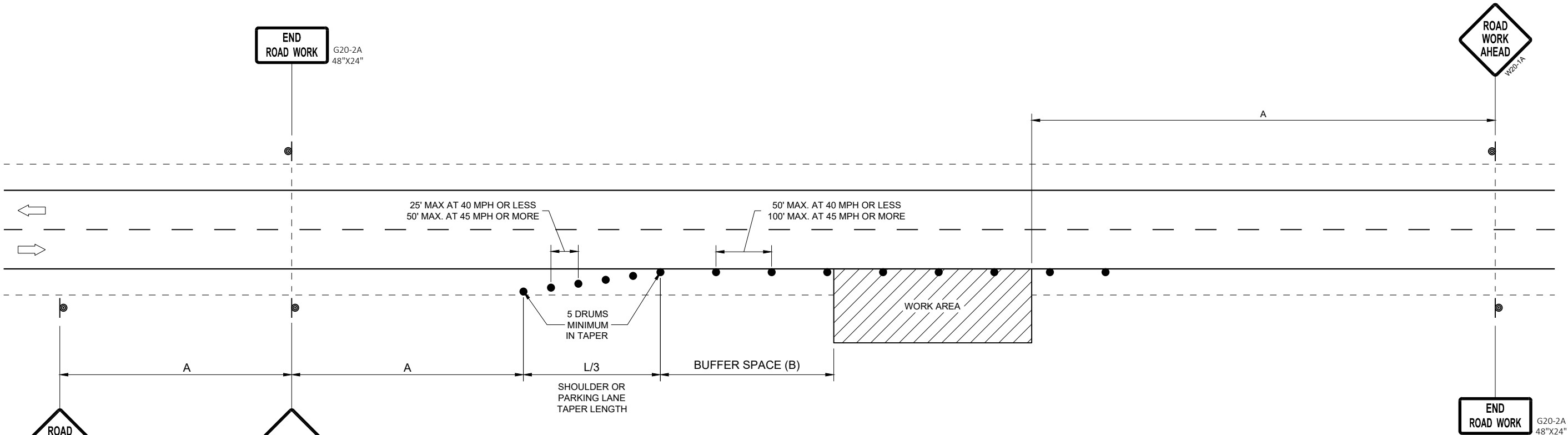
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

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.

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POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3						BUFFER SPACE (B) FEET
		W, LATERAL OFFSET (FT)						
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE
/S/ Andrew Heldtke
STATEWIDE WORK ZONE TRAFFIC
SAFETY ENGINEER
FHWA

SDD 15D28 - 04

SDD 15D28 - 04



SDD 15D29 Traffic Control, Vehicle Entrance/Exit or Haul Road

LEGEND

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

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET
0-30	200'
35-40	350'
45-55	500'

GENERAL NOTES

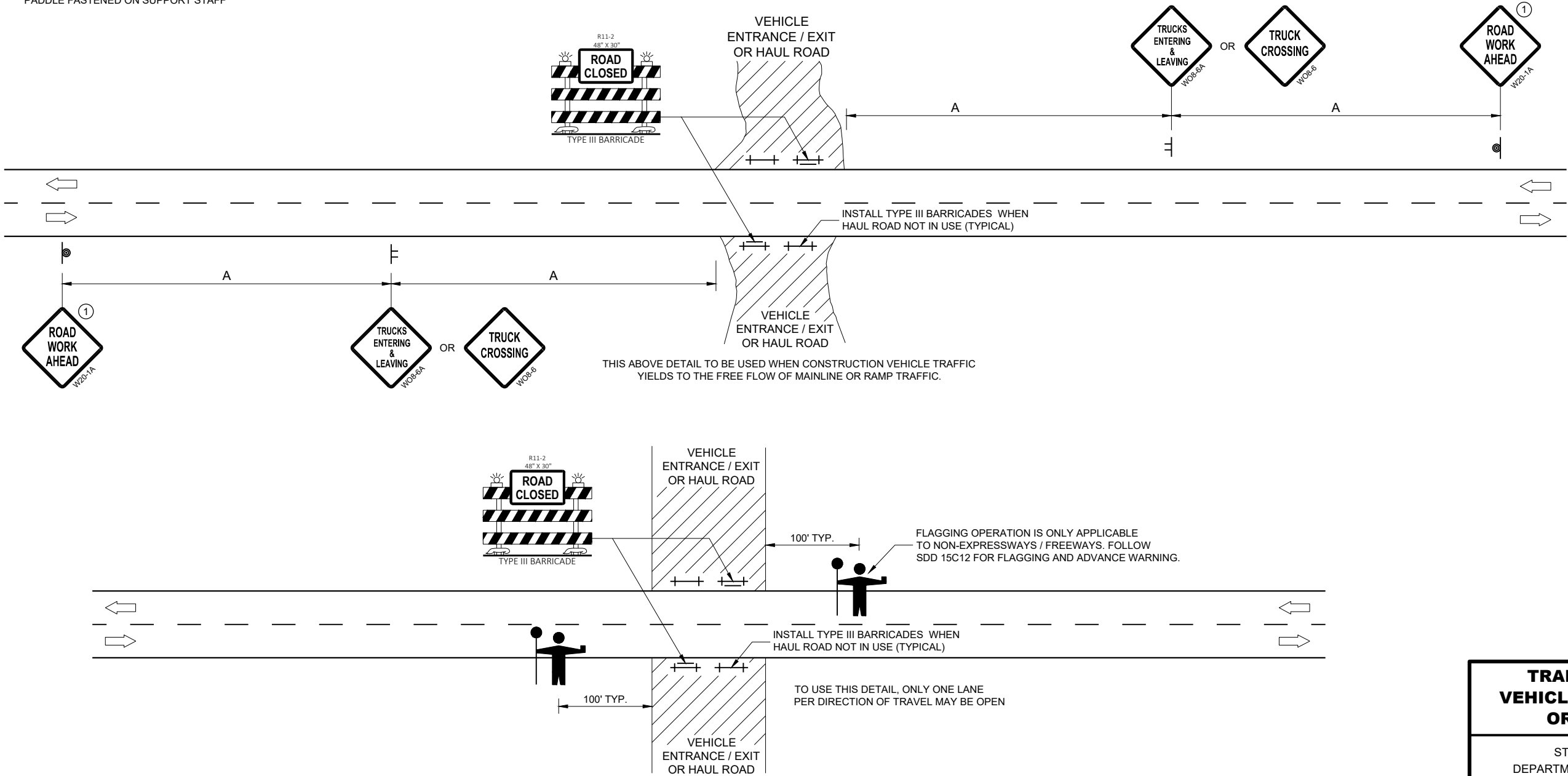
- ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.
- "WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.
- THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- WARNING SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.
- 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.
- PLACE SIGNS ON BOTH SIDES IF USED ON DIVIDED HIGHWAY.
- ① THESE SIGNS ARE TO BE USED ONLY WHEN VEHICLE ENTRANCE / EXIT CONDITIONS ARE SEPARATED BY MORE THAN TWO MILES FROM PREVIOUS WORK AREA OR SIGNING OR AS DIRECTED BY THE ENGINEER.

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SDD 15D29 - 06

SDD 15D29 - 06



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 May 2020 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	

GENERAL NOTES



SDD 15D50-a Traffic Control, Added Lane Closure without Lane Shift

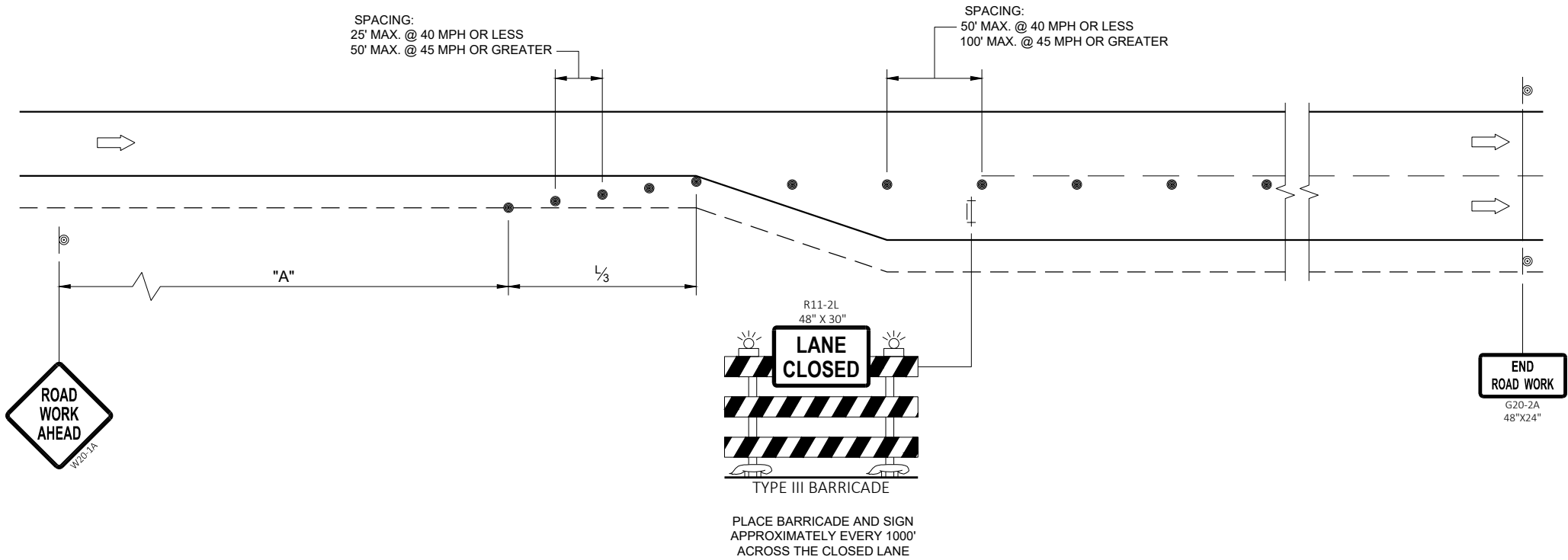
LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER $L/2$					
		W, LATERAL OFFSET (FT)					
25	200	3	4	5	6	7	8
30	200	10	14	17	21	24	28
35	200	15	20	25	30	35	40
40	350	20	27	34	40	47	54
45	350	26	35	44	53	62	70
50	500	45	59	74	89	104	119
55	500	50	66	83	99	116	132
		54	73	91	109	127	145

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"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.
- "WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
- 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 WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.
- SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.
- W20-1 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 WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.



ADDED LANE CLOSURE WITHOUT LANE SHIFT

TRAFFIC CONTROL ADDED LANE CLOSURE WITHOUT LANE SHIFT	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED February 2021 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	



SDD 15D50-b Traffic Control, Added Lane Closure with Lane Shift

LEGEND

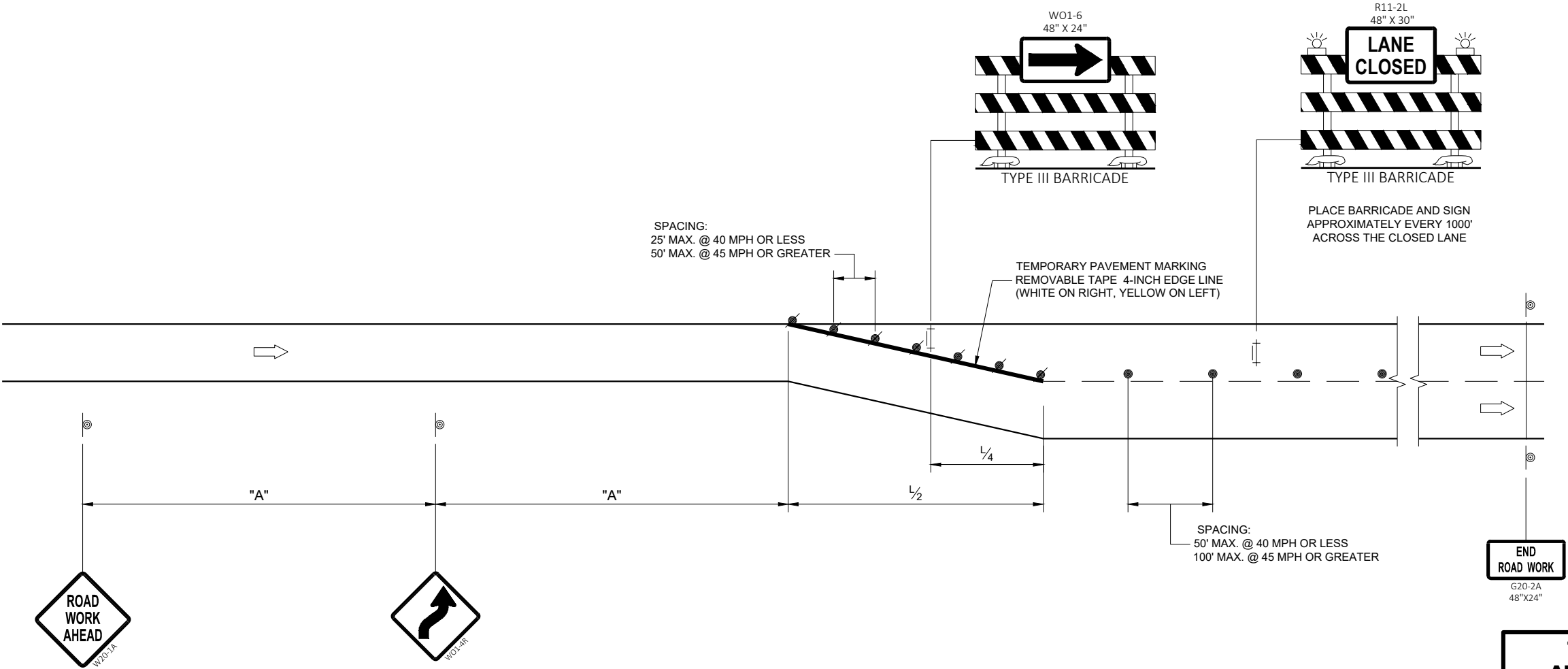
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER (L/2) FEET
25	200	60
30	200	90
35	350	120
40	350	160
45	500	270
50	500	300
55	500	330

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"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.
- "WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
- 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 WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.
- SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.
- W20-1 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 WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.
- PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR FOUR CONTINUOUS DAYS AND NIGHTS.

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ADDED LANE CLOSURE WITH LANE SHIFT

**TRAFFIC CONTROL,
ADDED LANE CLOSURE
WITH LANE SHIFT**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Holdtke
WORK ZONE ENGINEER

FHWA

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