

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

COUNTY: MILWAUKEE

# 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

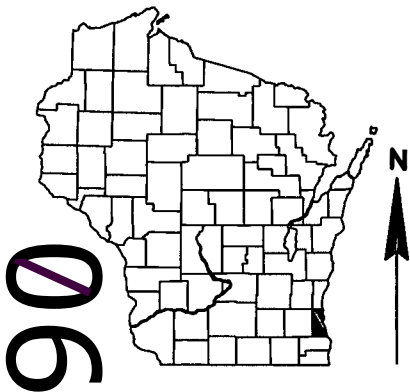
STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1060-35-82		

STATE PROJECT NUMBER
<b>1060-35-82</b>

**ORDER OF SHEETS**

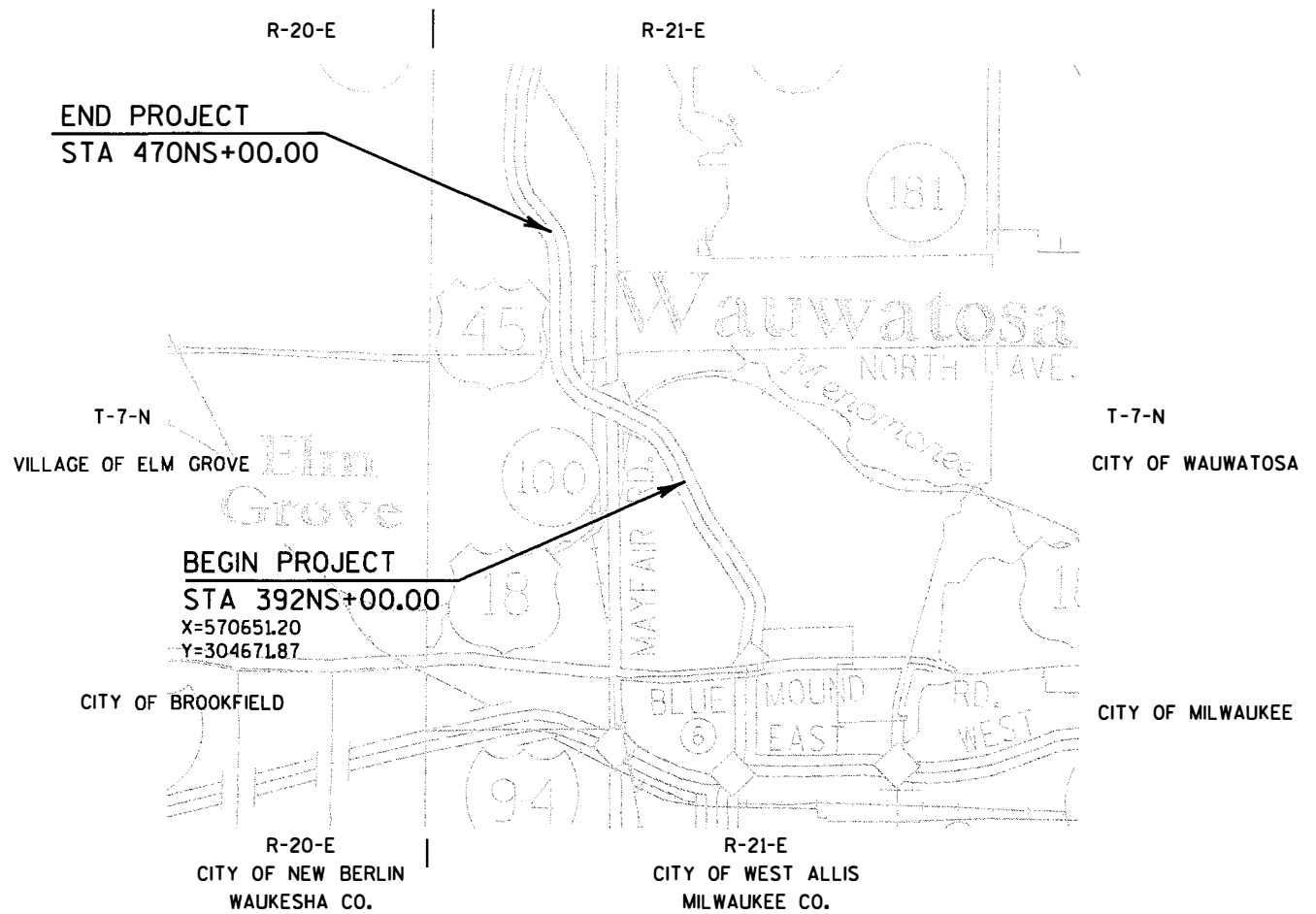
Section No. 1	Title
Section No. 2	Typical Sections and Details
Section No. 3	Estimate of Quantities
Section No. 3	Miscellaneous Quantities
Section No. 4	Right of Way Plat
<del>Section No. 5</del>	<del>Plan and Profile</del>
Section No. 6	Standard Detail Drawings
<del>Section No. 7</del>	<del>Sign Plates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

TOTAL SHEETS = 76



DESIGN DESIGNATION	CENTER STREET	IN 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	PROFILE
PLAN	GRADE LINE
CORPORATE LIMITS	ORIGINAL GROUND
PROPERTY LINE	MARSH OR ROCK PROFILE (To be noted as such)
LOT LINE	SPECIAL DITCH
LIMITED HIGHWAY EASEMENT	GRADE ELEVATION
EXISTING RIGHT OF WAY	CULVERT (Profile View)
PROPOSED OR NEW R/W LINE	UTILITIES
SLOPE INTERCEPT	ELECTRIC
REFERENCE LINE	FIBER OPTIC
EXISTING CULVERT	GAS
PROPOSED CULVERT (Box or Pipe)	SANITARY SEWER
SURVEY CONTROL POINT	STORM SEWER
COMBUSTIBLE FLUIDS	TELEPHONE
HIGH VOLTAGE	WATER
MARSH AREA	OVERHEAD ELECTRIC
WOODED OR SHRUB AREA	UTILITY PEDESTAL
	POWER POLE
	TELEPHONE POLE
	TRANSMISSION TOWER



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)

**FORWARD 45** ORIGINAL PLANS PREPARED BY  
MILWAUKEE, WISCONSIN

**WISCONSIN**  
**WILLIAM T. STOECK**  
35821-008  
MILWAUKEE, WI  
**PROFESSIONAL ENGINEER**

4/28/2022 *William T. Stoeck*  
(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: 4/28/2022 *Christopher Zacharias*  
(Date) (Signature)

UTILITY CONTACTS

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UNION PACIFIC RAILROAD COMPANY

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CHICAGO, IL 60606  
PHONE: (312) 777-2043  
jnvenice@up.com



Dial 811 or (800) 242-8511

www.DiggersHotline.com

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.

THE DEPARTMENT HAS DETERMINED THAT THE SCOPE OF WORK FOR THIS PROJECT WILL NOT IMPACT, INTERFERE OR CONFLICT WITH EXISTING UTILITIES WITHIN THE PROJECT LIMITS. NOTIFY THE ENGINEER OF ANY POTENTIAL UTILITY CONFLICTS. COORDINATE WITH THE ENGINEER TO ADJUST PLANS AS NEEDED TO AVOID ANY UNANTICIPATED UTILITY CONFLICTS.

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.

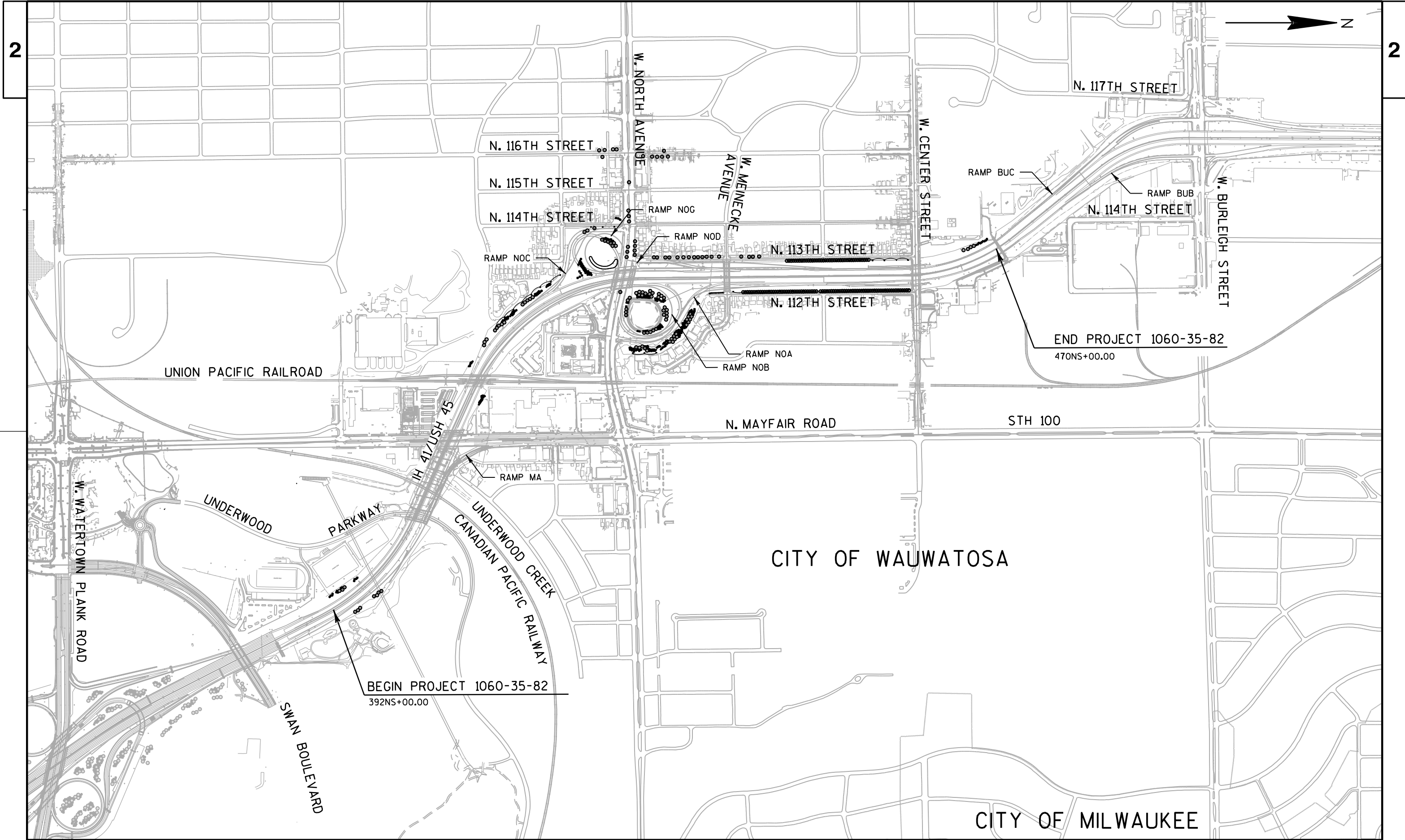
USE CAUTION AND DO NOT DISTURB SECTION CORNERS WITHIN THE PROJECT LIMITS AS SHOWN ON THE PLAT.

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



2

2

PROJECT NO: 1060-35-82	HWY: IH 41/USH 45	COUNTY: MILWAUKEE	PROJECT OVERVIEW	SHEET	E
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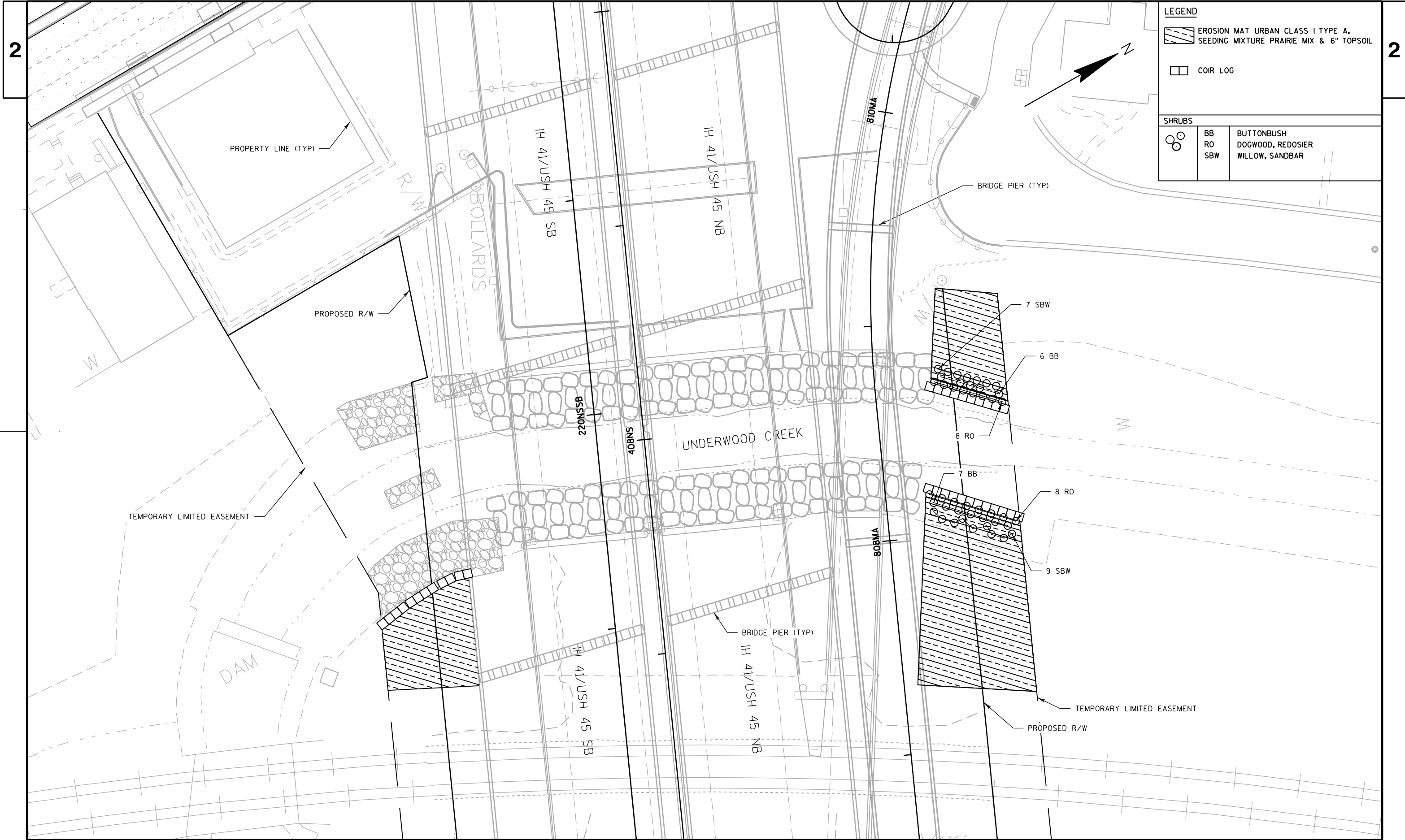
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PLOT BY : MSCD15

PLOT NAME : 020202\_po00

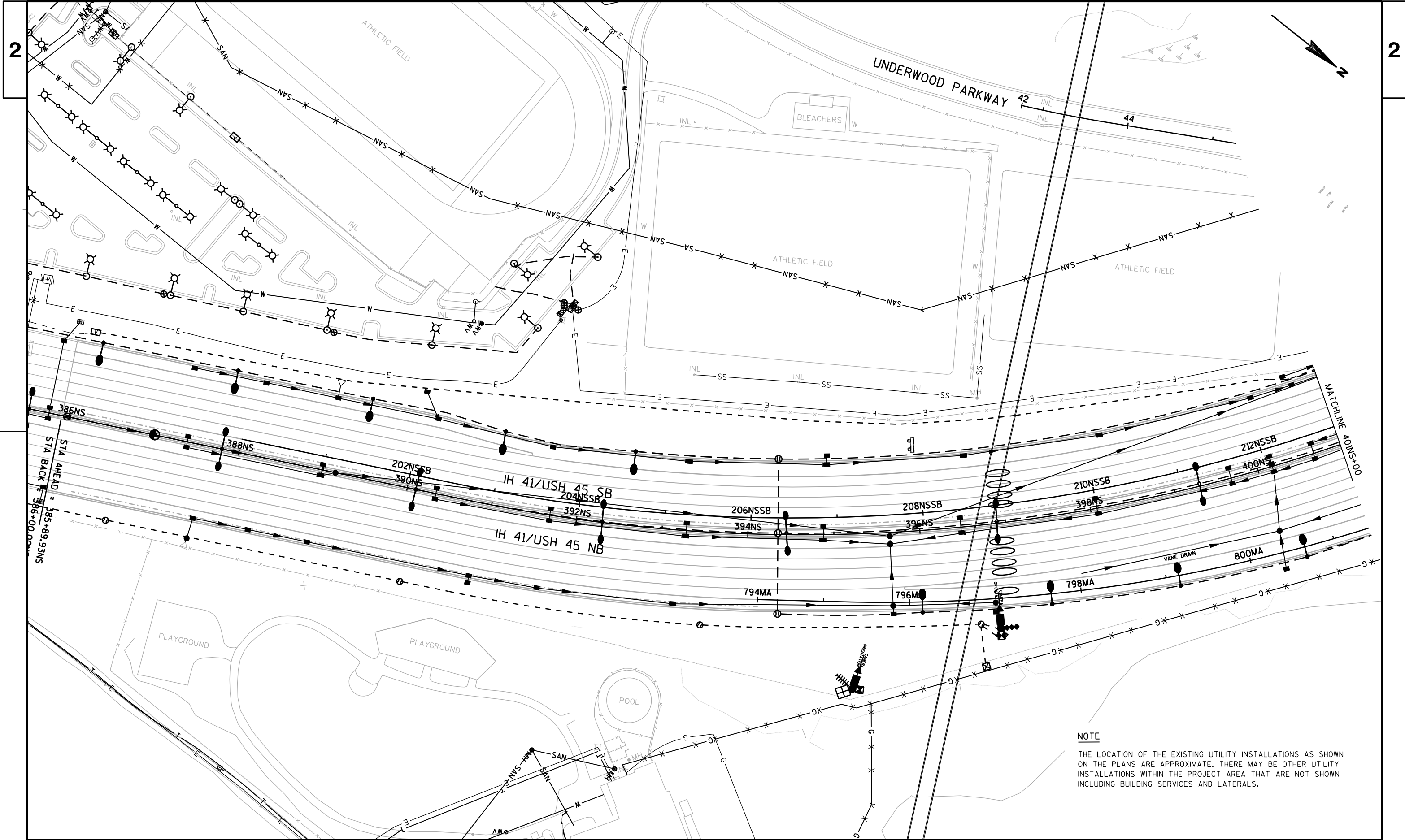
PLOT SCALE : 800:1

WISDOT/CADS SHEET 42

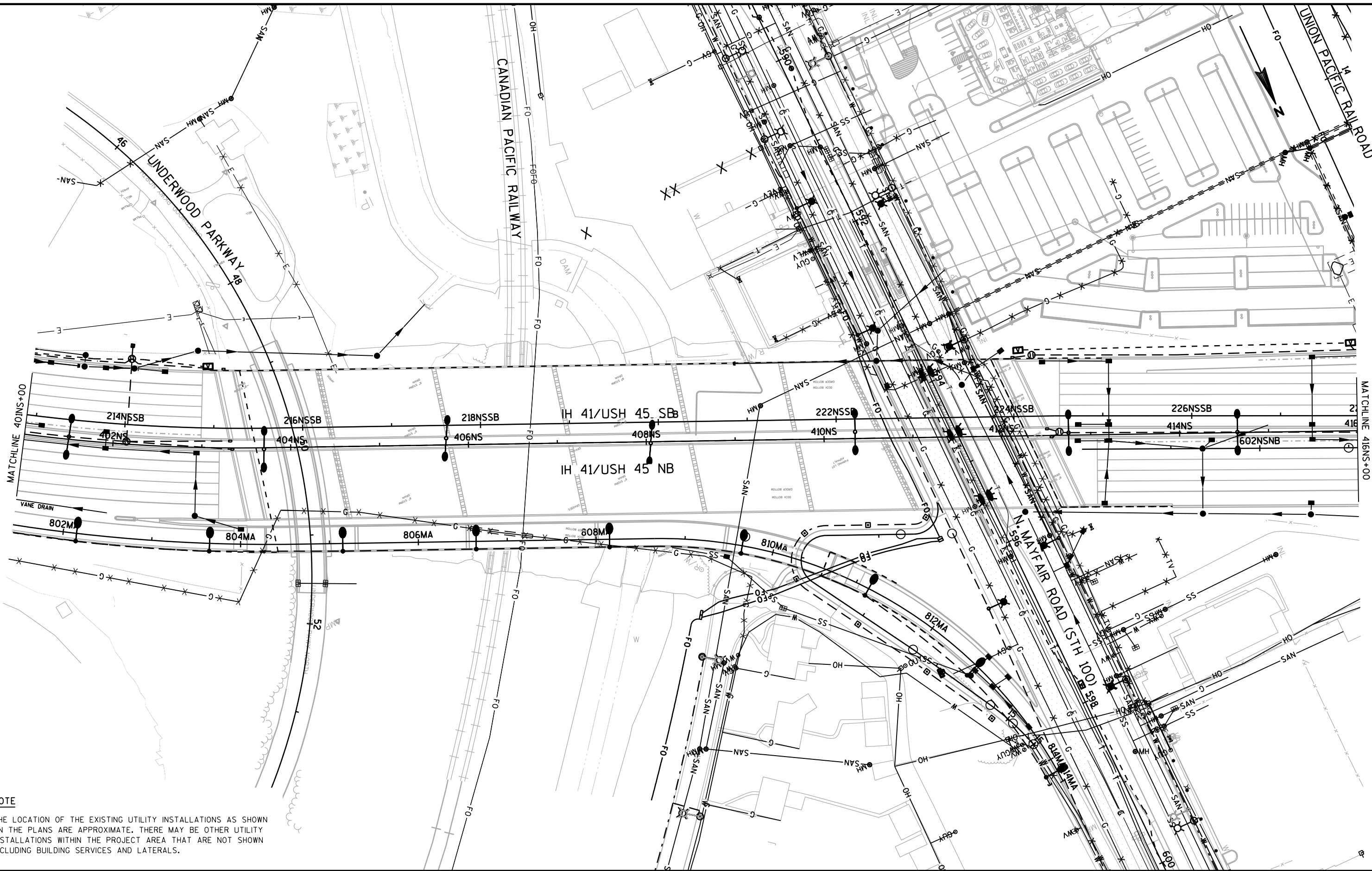


LEGEND		
	EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE PRAIRIE MIX & 6" TOPSOIL	
	COIR LOG	
SHRUBS		
	BB	BUTTONBUSH
	RO	DOGWOOD, REDOSIER
	SBW	WILLOW, SANDBAR

PROJECT NO: 1060-35-82      HWY: IH 41/USH 45      COUNTY: MILWAUKEE      CONSTRUCTION DETAILS      SHEET      E

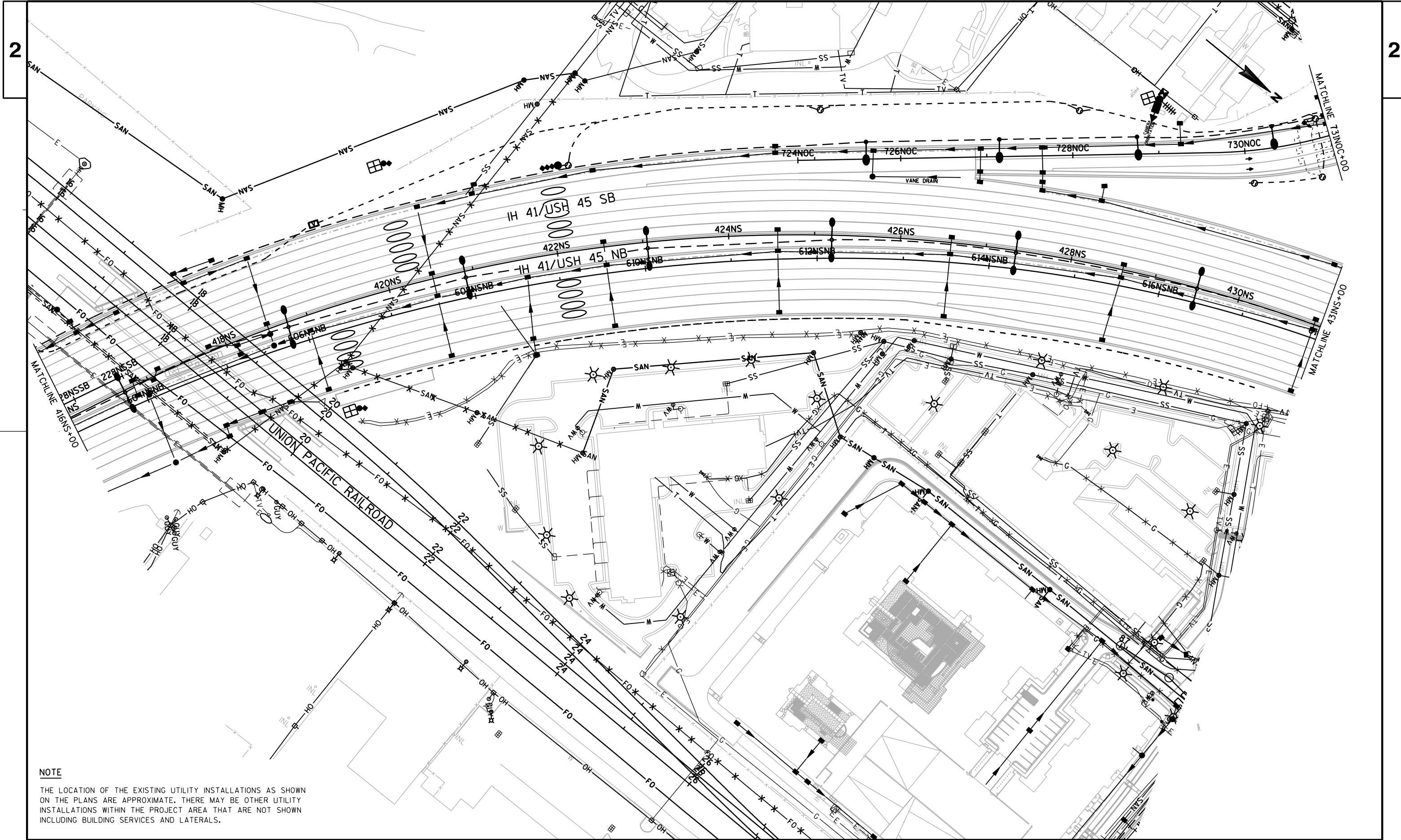


**NOTE**  
 THE LOCATION OF THE EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN INCLUDING BUILDING SERVICES AND LATERALS.



**NOTE**

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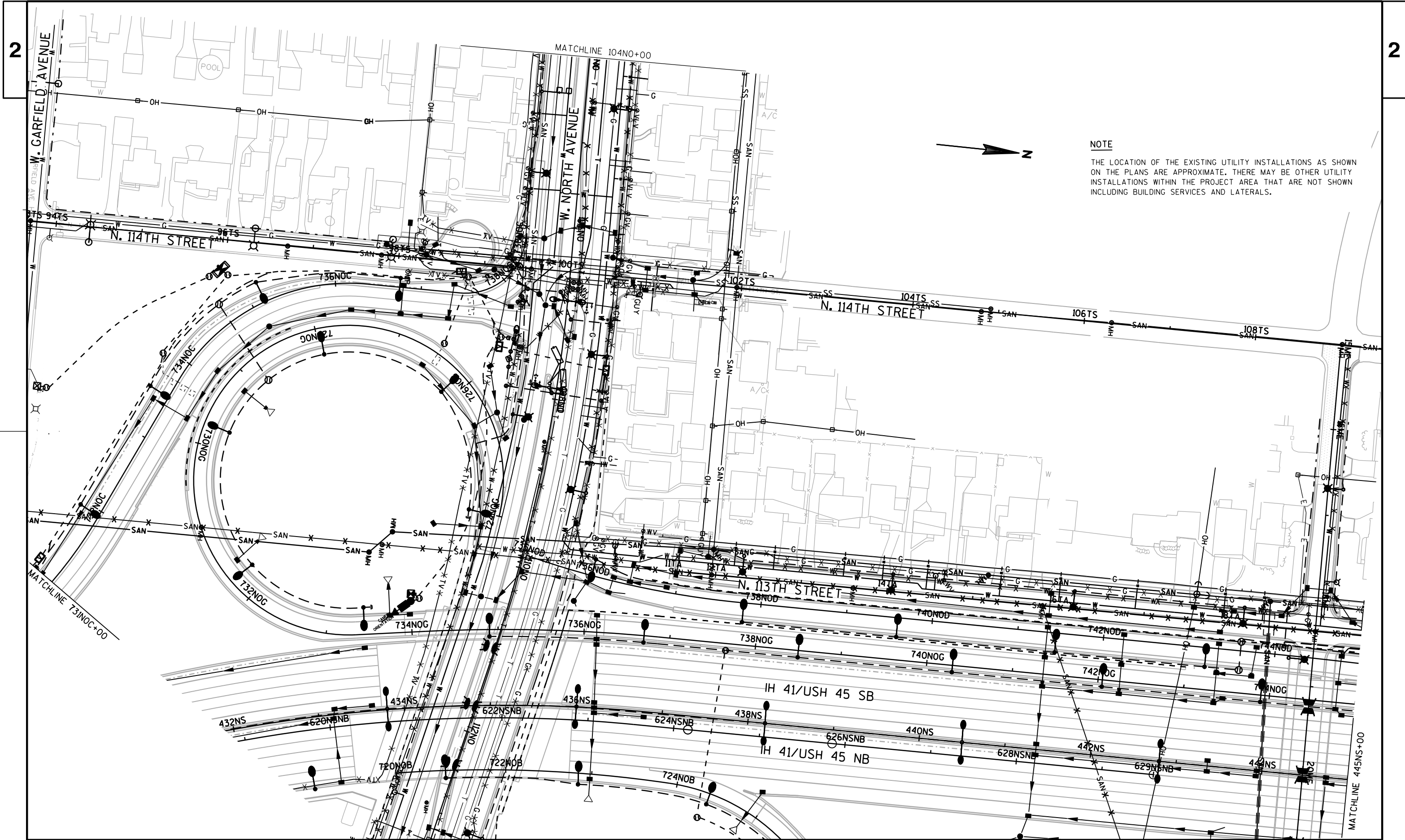


**NOTE**

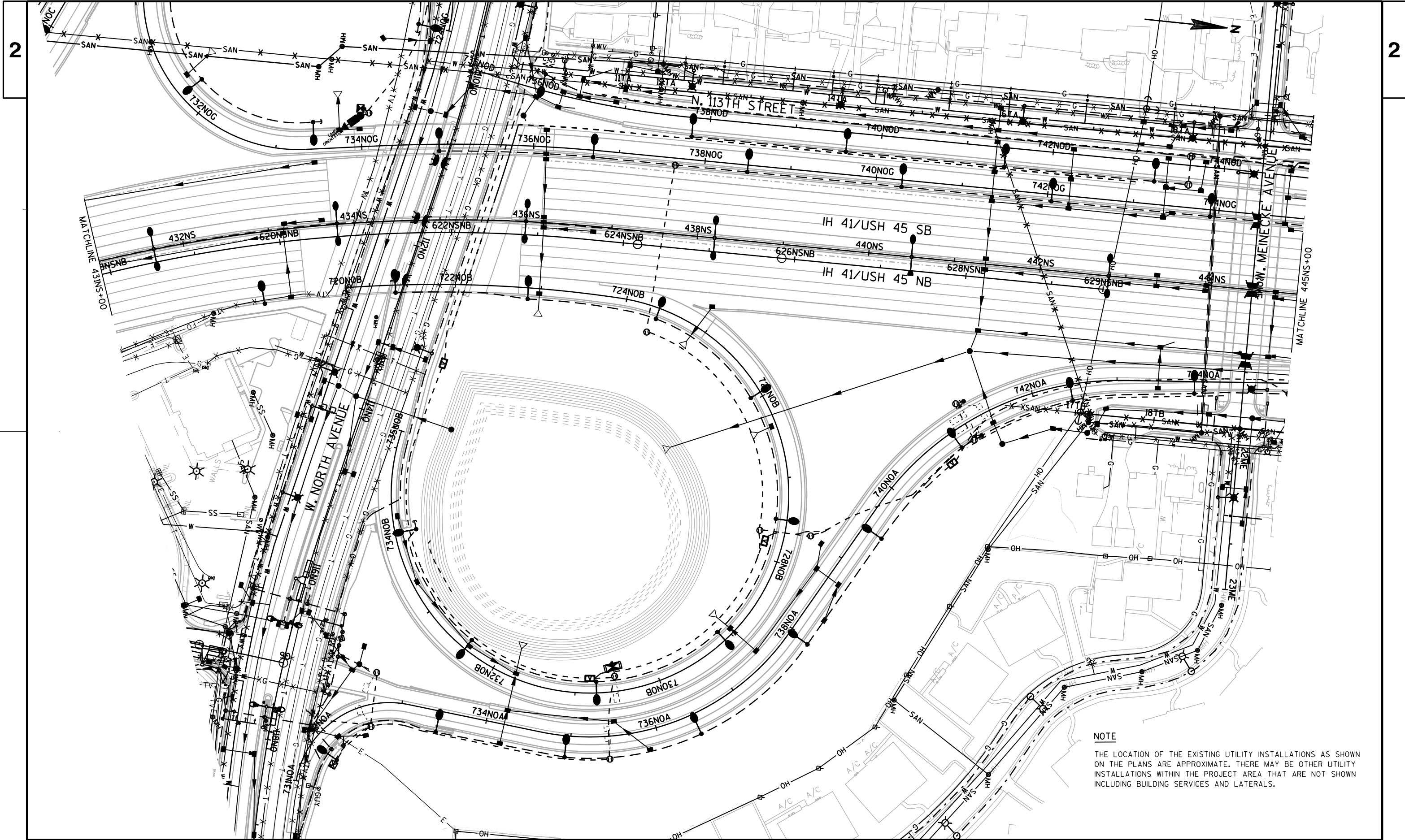
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PROJECT NO: 1060-35-82	HWY: IH 41/USH 45	COUNTY: MILWAUKEE	EXISTING UTILITY PLANS	SHEET	E
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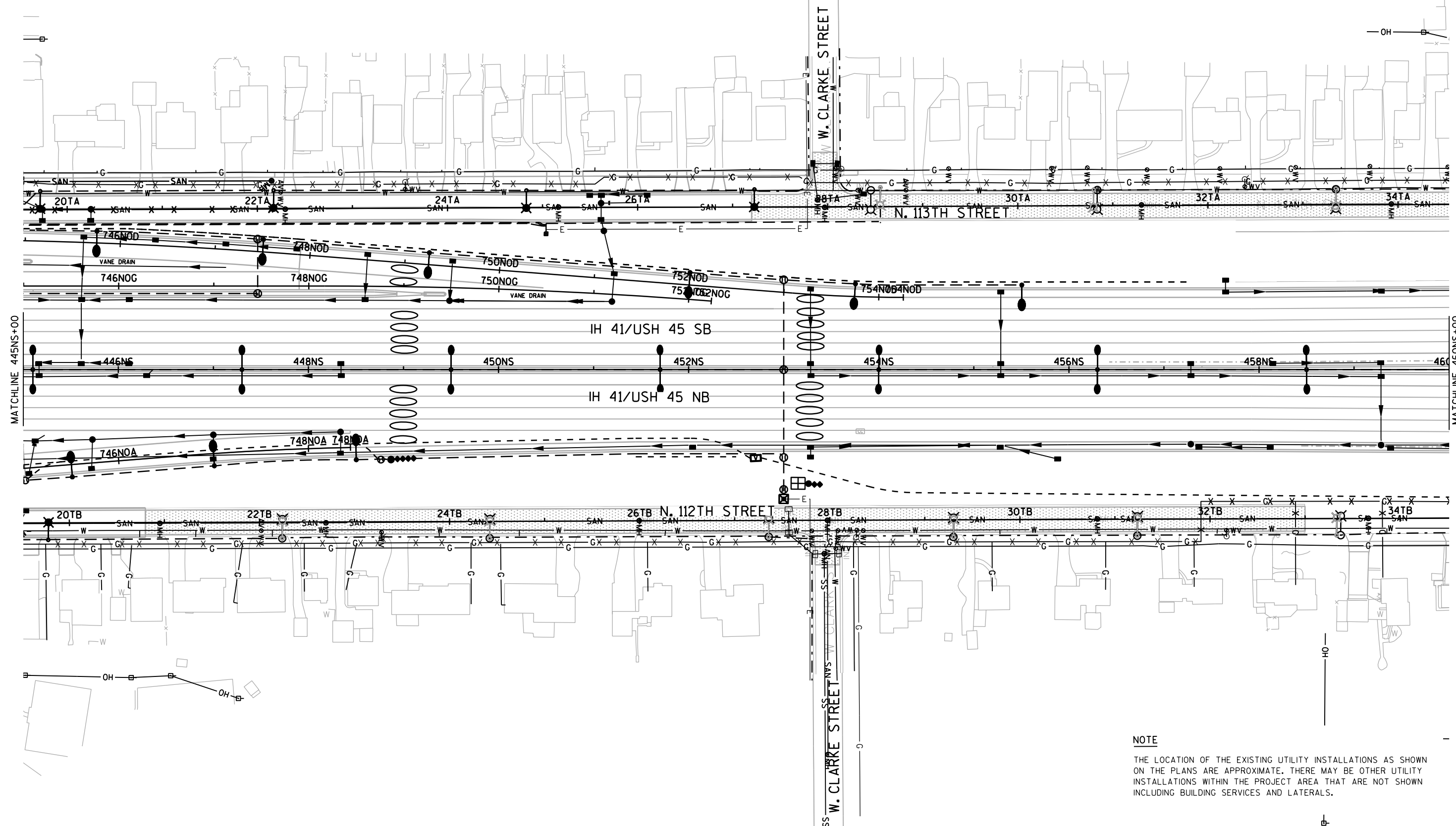




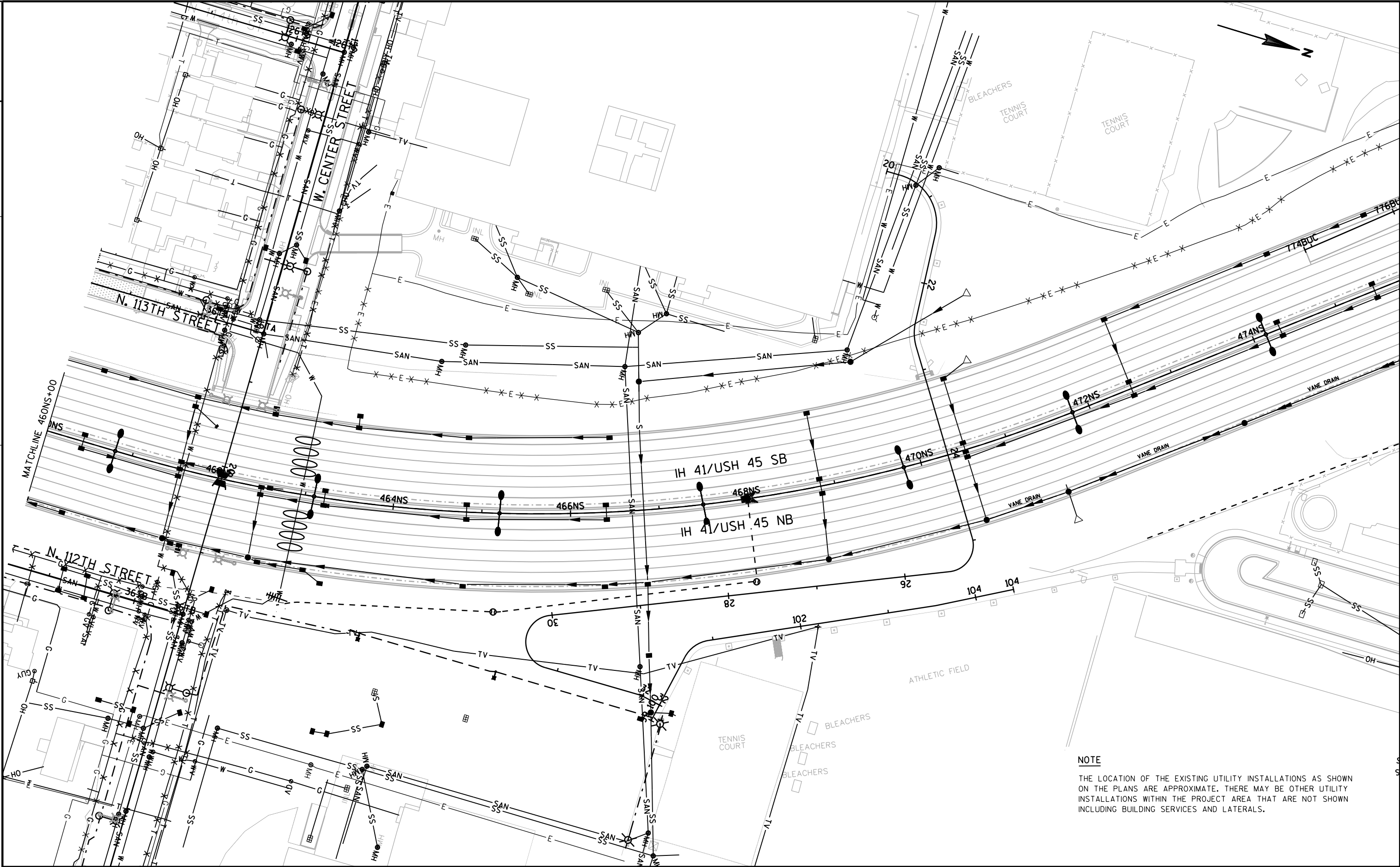
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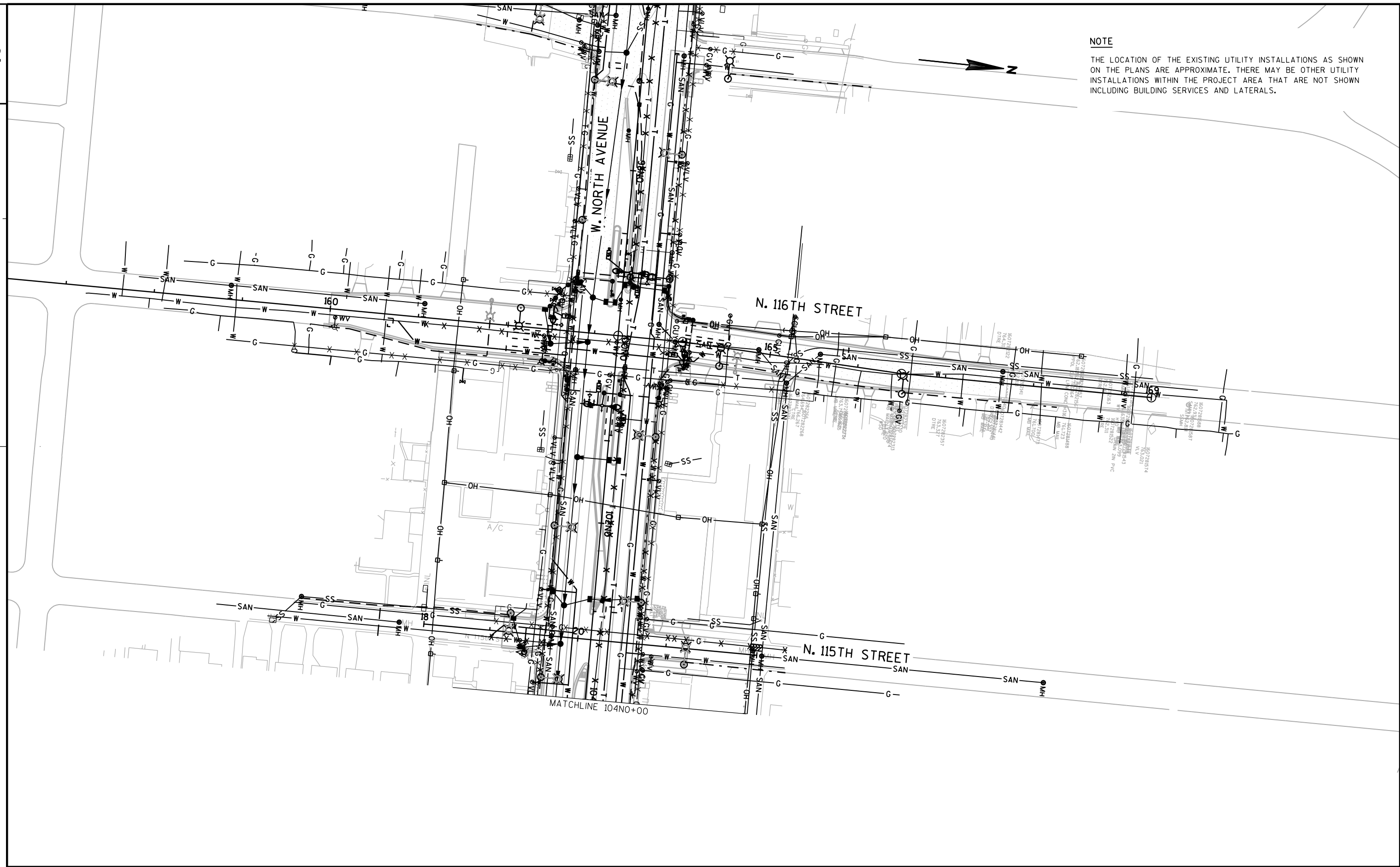
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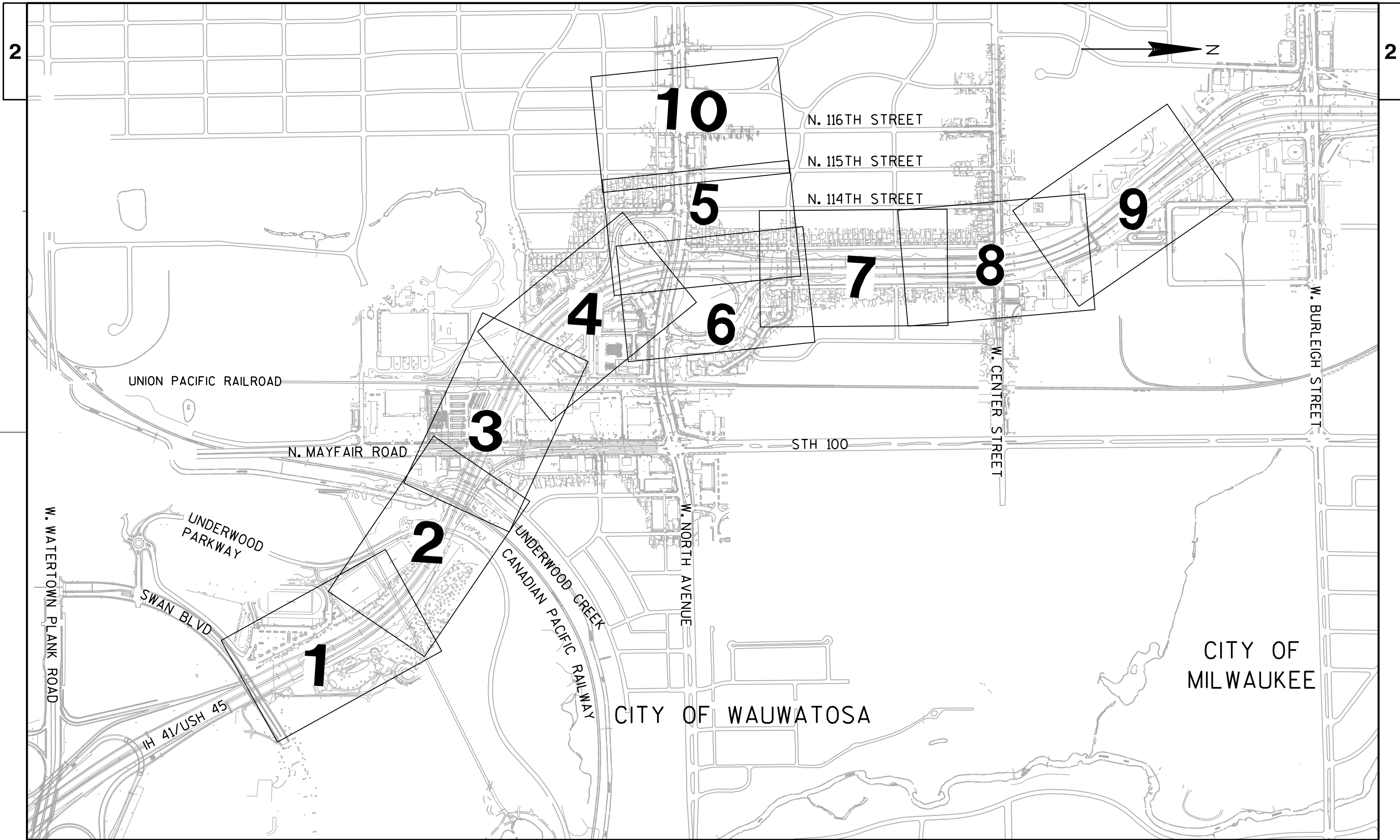
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PROJECT NO: 1060-35-82	HWY: IH 41/USH 45	COUNTY: MILWAUKEE	EXISTING UTILITY PLANS	SHEET E
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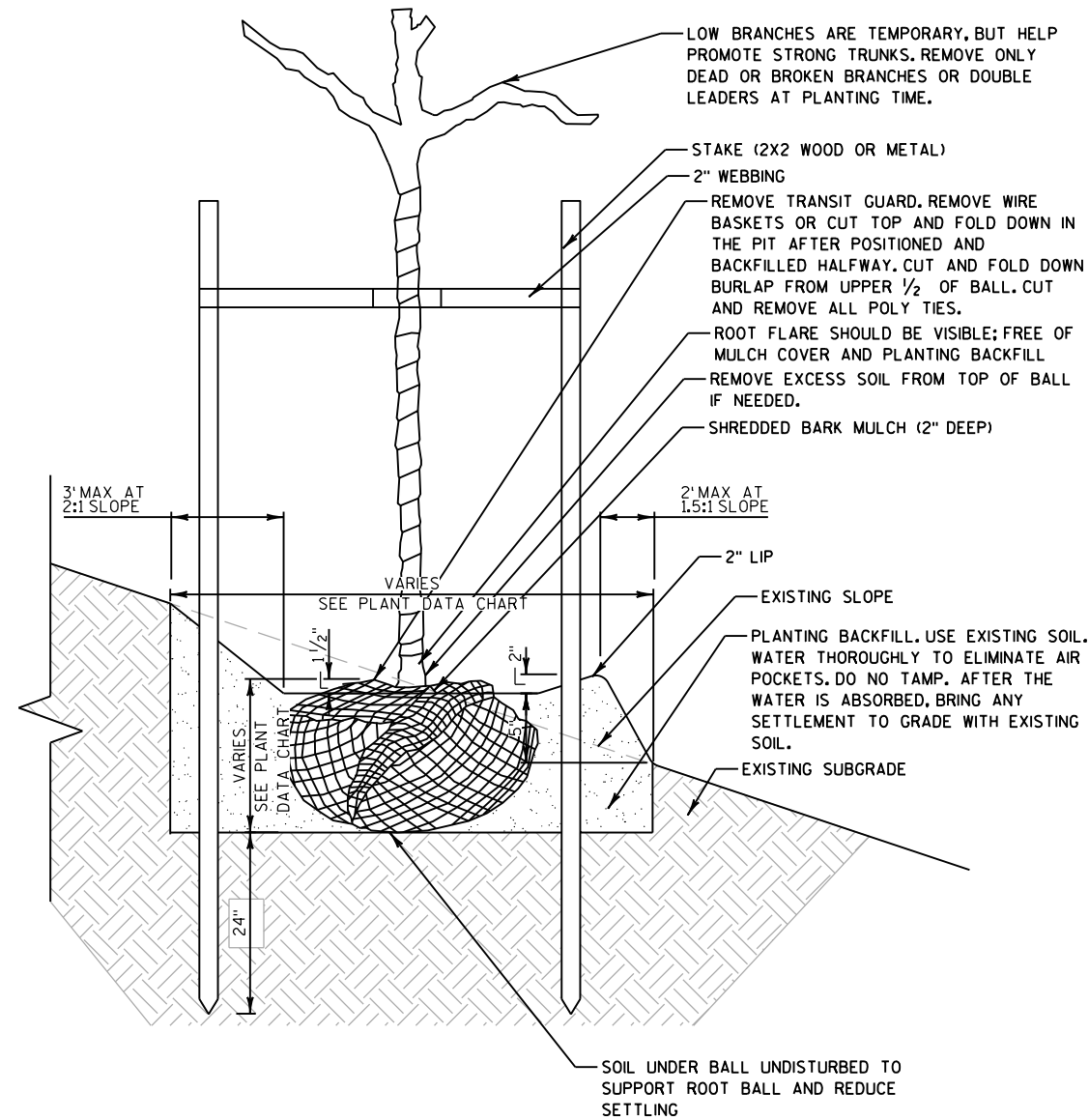
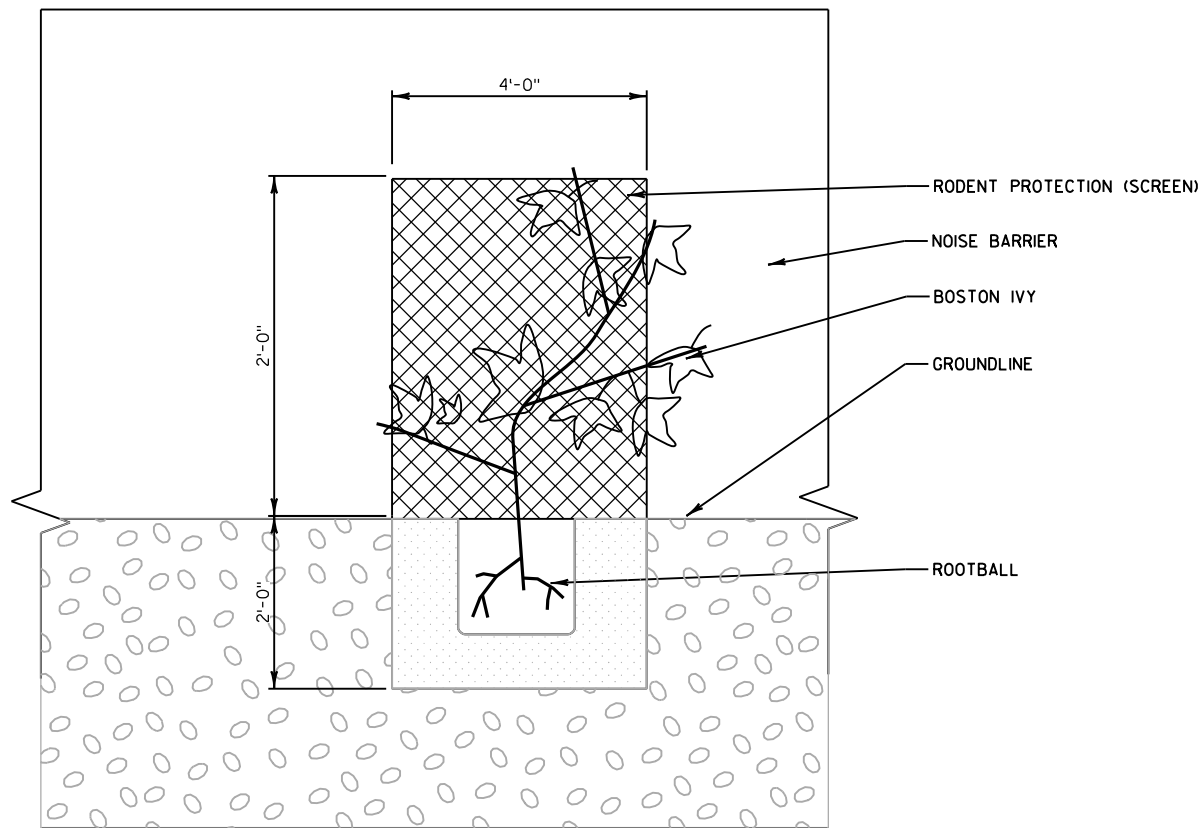
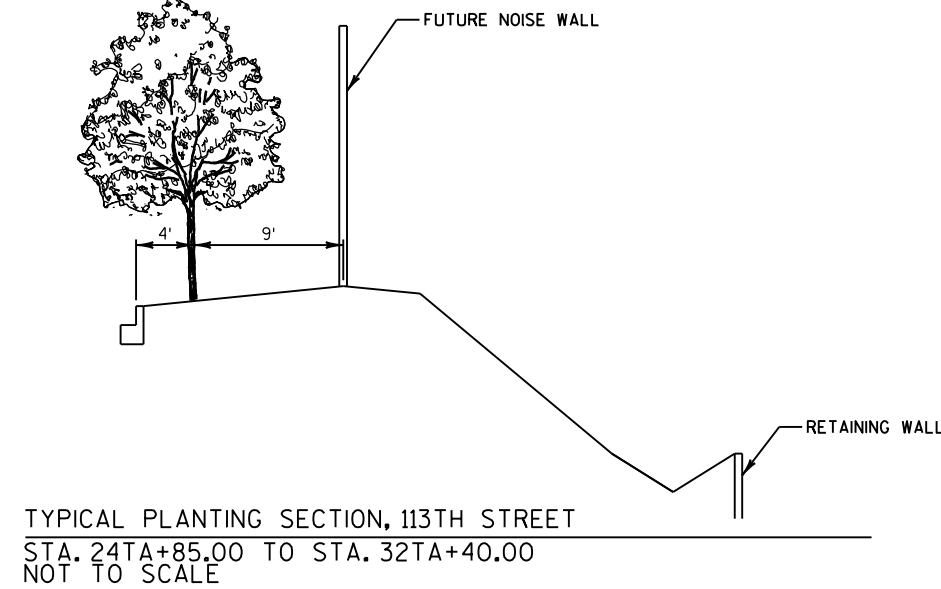
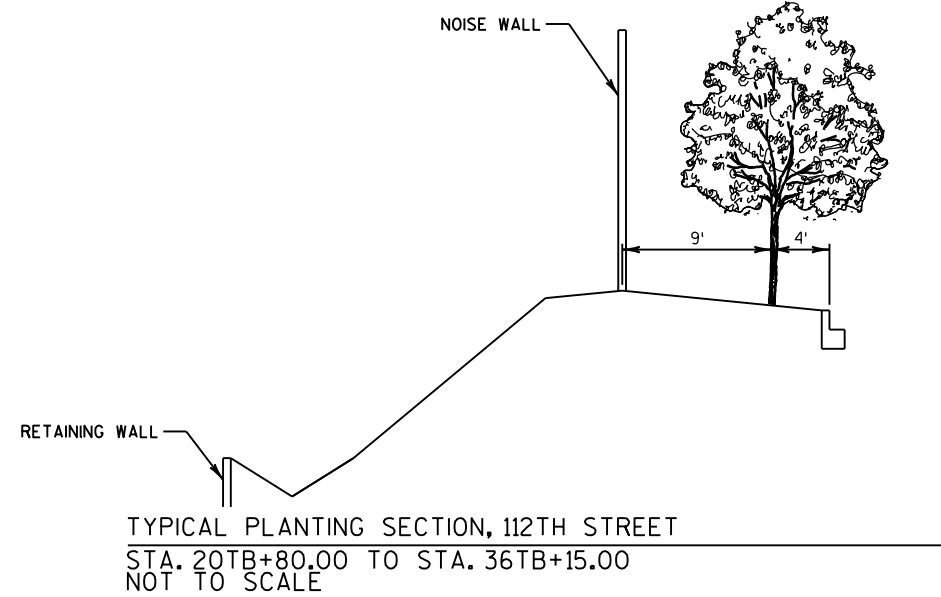
HWY: IH 41/USH 45

COUNTY: MILWAUKEE

STREETSCAPING PLANS KEY MAP

SHEET

E



PLANT KEY

SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
(+)	NC	CATALPA, NORTHERN
	KC	COFFEETREE, 'ESPRESSO' 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

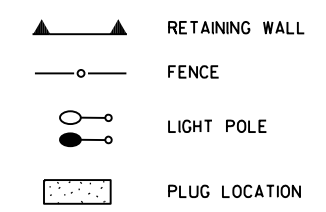
DECIDUOUS TREES (ORNAMENTAL)		
(/)	AH	HOPHORNBEAM, AMERICAN
	AC	CRABAPPLE, 'ADIRONDACK'
	IMC	CRABAPPLE, 'INDIAN MAGIC'
	RRC	CRABAPPLE, 'ROYAL RAINDROPS'
	CD	DOGWOOD, CORNELIANCHERRY
	TCH	HAWTHORN, COCKSPUR THORNLESS
	PA	PLUM, AMERICAN
	AS	SERVICEBERRY, APPLE TREEFORM

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

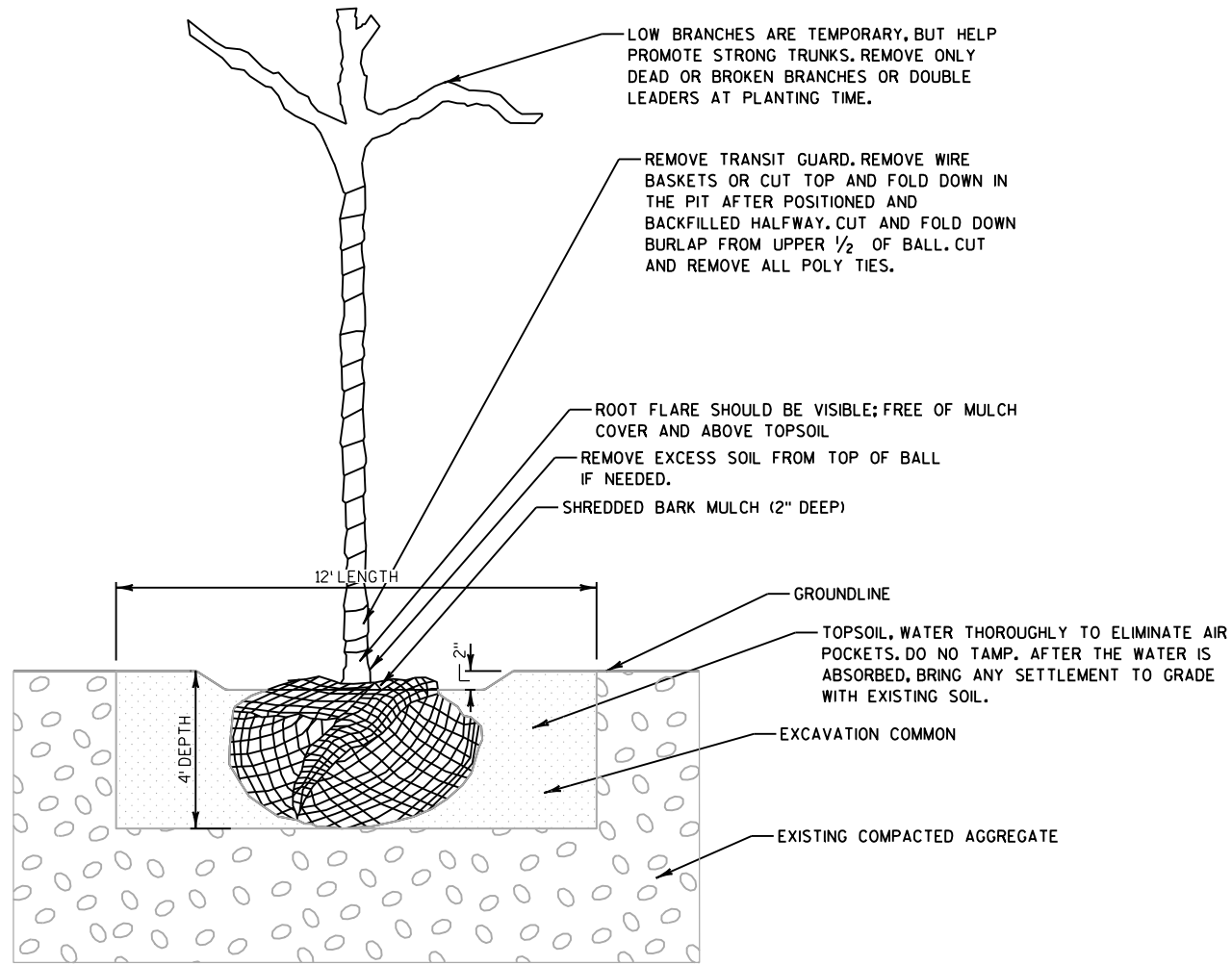
SHRUBS		
(o)	BC	CHOKEBERRY, BLACK
	HC	COTONEASTER, HEDGE
	GD	DOGWOOD, GRAY
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD

VINES		
(-)	BI	IVY, BOSTON

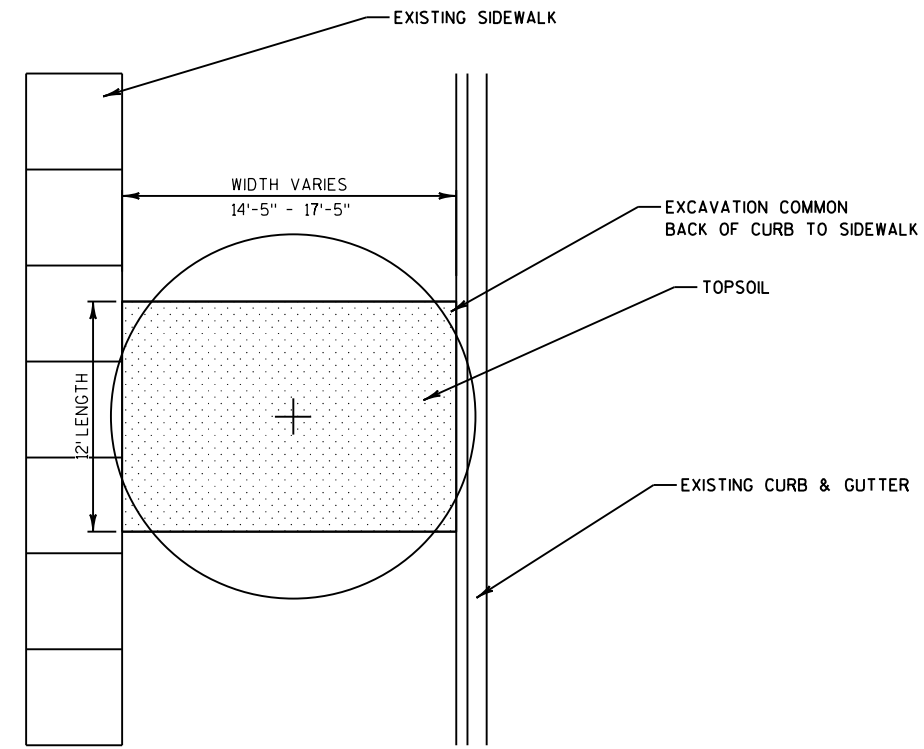
LEGEND



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



ELEVATION VIEW

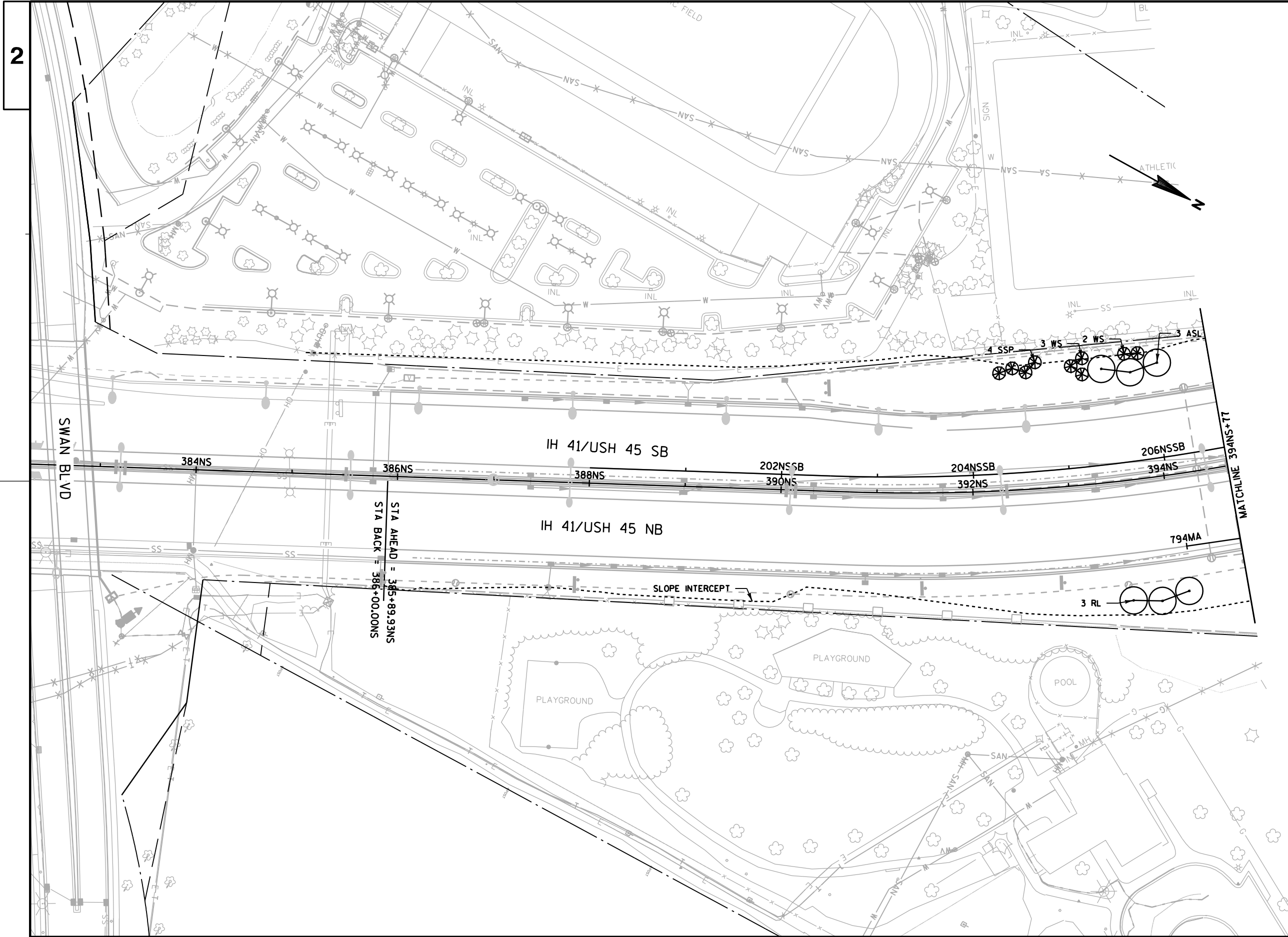


PLAN VIEW

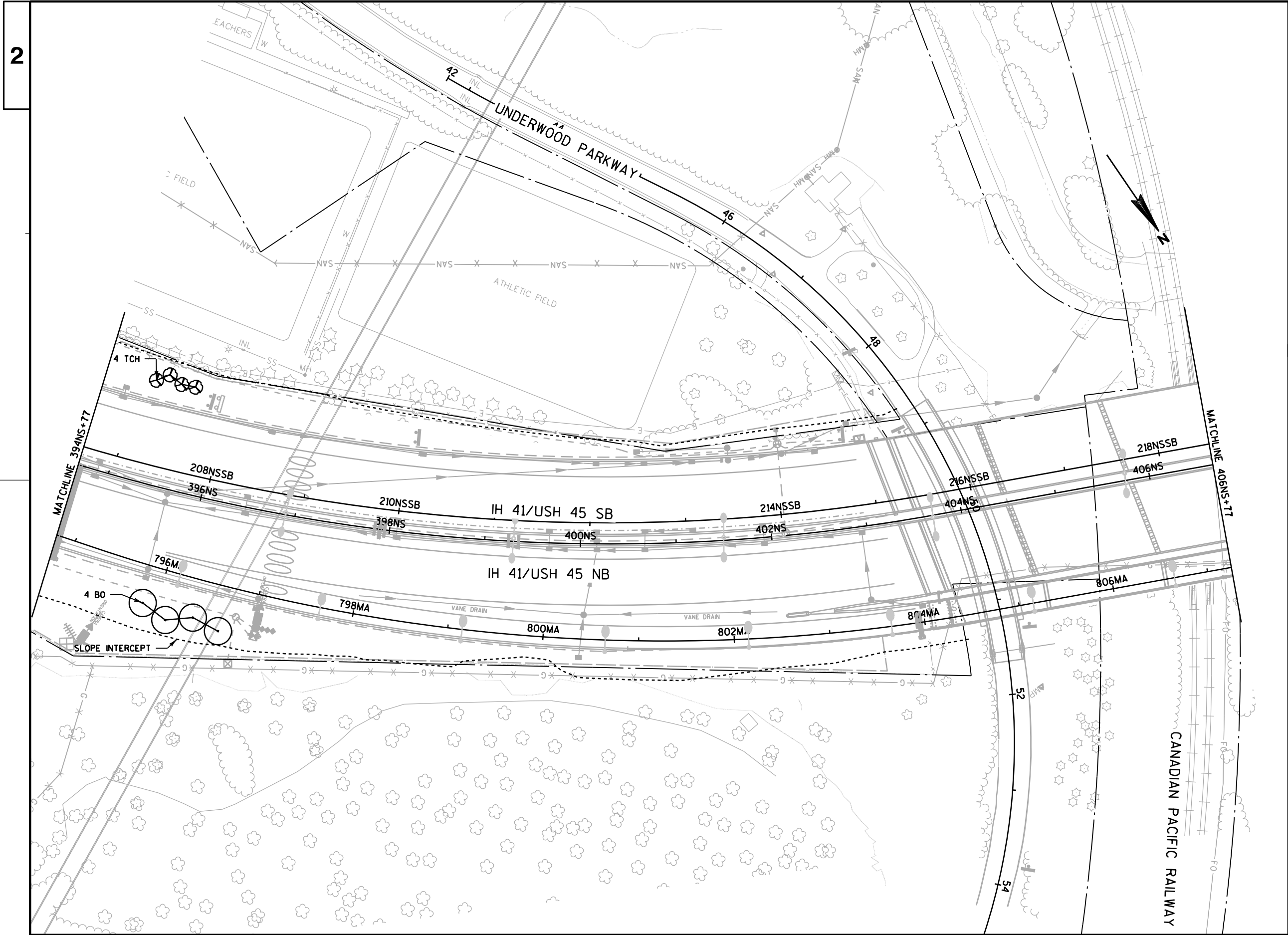
WEST TERRACE TREE PLANTINGS ON 113TH STREET  
NOT TO SCALE

PLANT KEY		
SYM.	ABBR.	COMMON NAME
<b>DECIDUOUS TREES (SHADE)</b>		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, 'ESPRESSO' 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	
<b>DECIDUOUS TREES (ORNAMENTAL)</b>		
⊗	AH	HOPHORNBEAM, AMERICAN
	AC	CRABAPPLE, 'ADIRONDACK'
	IMC	CRABAPPLE, 'INDIAN MAGIC'
	RRC	CRABAPPLE, 'ROYAL RAINDROPS'
	CD	DOGWOOD, CORNELIANCHERRY
	TCH	HAWTHORN, COCKSPUR THORNLESS
	PA	PLUM, AMERICAN
AS	SERVICEBERRY, APPLE TREEFORM	
<b>EVERGREEN</b>		
⊗	WF	FIR, WHITE
	CHL	CANADIAN HEMLOCK
	SSP	PINE, SWISS STONE
	T	TAMARCK
	NS	SPRUCE, NORWAY
	WS	SPRUCE, WHITE
<b>SHRUBS</b>		
⊗	BC	CHOKEBERRY, BLACK
	HC	COTONEASTER, HEDGE
	GD	DOGWOOD, GRAY
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
<b>VINES</b>		
▲	BI	IVY, BOSTON
<b>LEGEND</b>		
▲—▲	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		

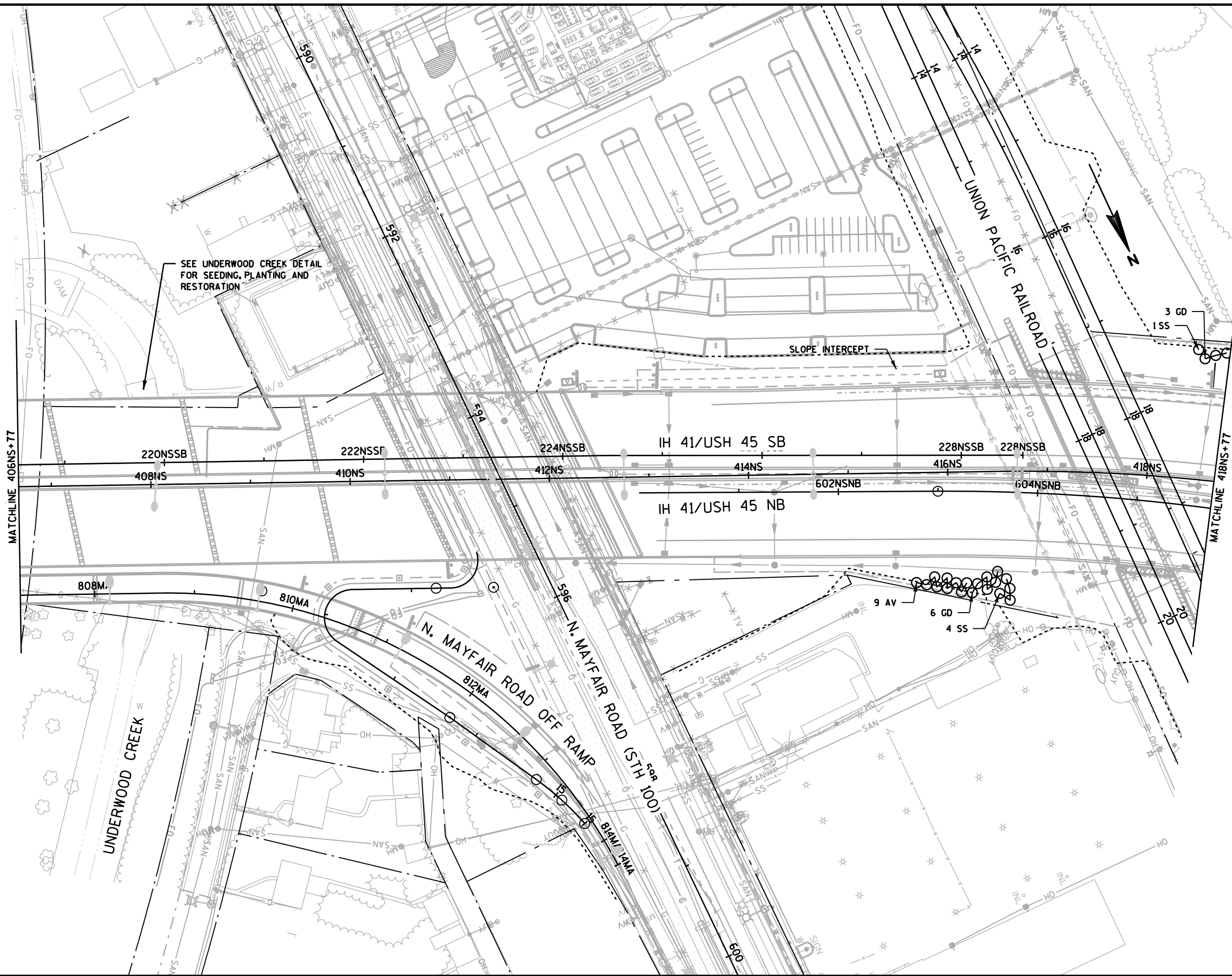




PLANT KEY		
SYM.	ABBR.	COMMON NAME
<b>DECIDUOUS TREES (SHADE)</b>		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, 'ESPRESSO' KENTUCKY
	AE	ELM, ACCOLADE
	AGG	GINKGO, AUTUMN GOLD
	CH	HACKBERRY, COMMON
	ASL	LINDEN, 'SENTRY'
	RL	LINDEN, REDMOND
	BO	OAK, BUR
	CSO	OAK, CRIMSON SPIRE ENGLISH OAK
	SWO	OAK, SWAMP WHITE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



PLANT KEY		
SYM.	ABBR.	COMMON NAME
<b>DECIDUOUS TREES (SHADE)</b>		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, 'ESPRESSO' 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	
<b>DECIDUOUS TREES (ORNAMENTAL)</b>		
⊗	AH	HOPHORNBEAM, AMERICAN
	AC	CRABAPPLE, 'ADIRONDACK'
	IMC	CRABAPPLE, 'INDIAN MAGIC'
	RRC	CRABAPPLE, 'ROYAL RAINDROPS'
	CD	DOGWOOD, CORNEILIANCHERRY
	TCH	HAWTHORN, COCKSPUR THORNLESS
	PA	PLUM, AMERICAN
	AS	SERVICEBERRY, APPLE TREEFORM
<b>EVERGREEN</b>		
⊗	WF	FIR, WHITE
	CHL	CANADIAN HEMLOCK
	SSP	PINE, SWISS STONE
	T	TAMARCK
	NS	SPRUCE, NORWAY
	WS	SPRUCE, WHITE
<b>SHRUBS</b>		
⊙	BC	CHOKEBERRY, BLACK
	HC	COTONEASTER, HEDGE
	GD	DOGWOOD, GRAY
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
<b>VINES</b>		
⌒	BI	IVY, BOSTON
<b>LEGEND</b>		
▲	RETAINING WALL	
—	FENCE	
⊗	LIGHT POLE	
⊙	PLUG LOCATION	
<b>NOTE:</b>		
1. ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES		
2. MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART		
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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, 'ESPRESSO' 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
AC		CRABAPPLE, 'ADIRONDACK'
IMC		CRABAPPLE, 'INDIAN MAGIC'
RRC		CRABAPPLE, 'ROYAL RAINDROPS'
CD		DOGWOOD, CORNEILIANCHERRY
TCH		HAWTHORN, COCKSPUR THORNLESS
PA		PLUM, AMERICAN
AS		SERVICEBERRY, APPLE TREEFORM

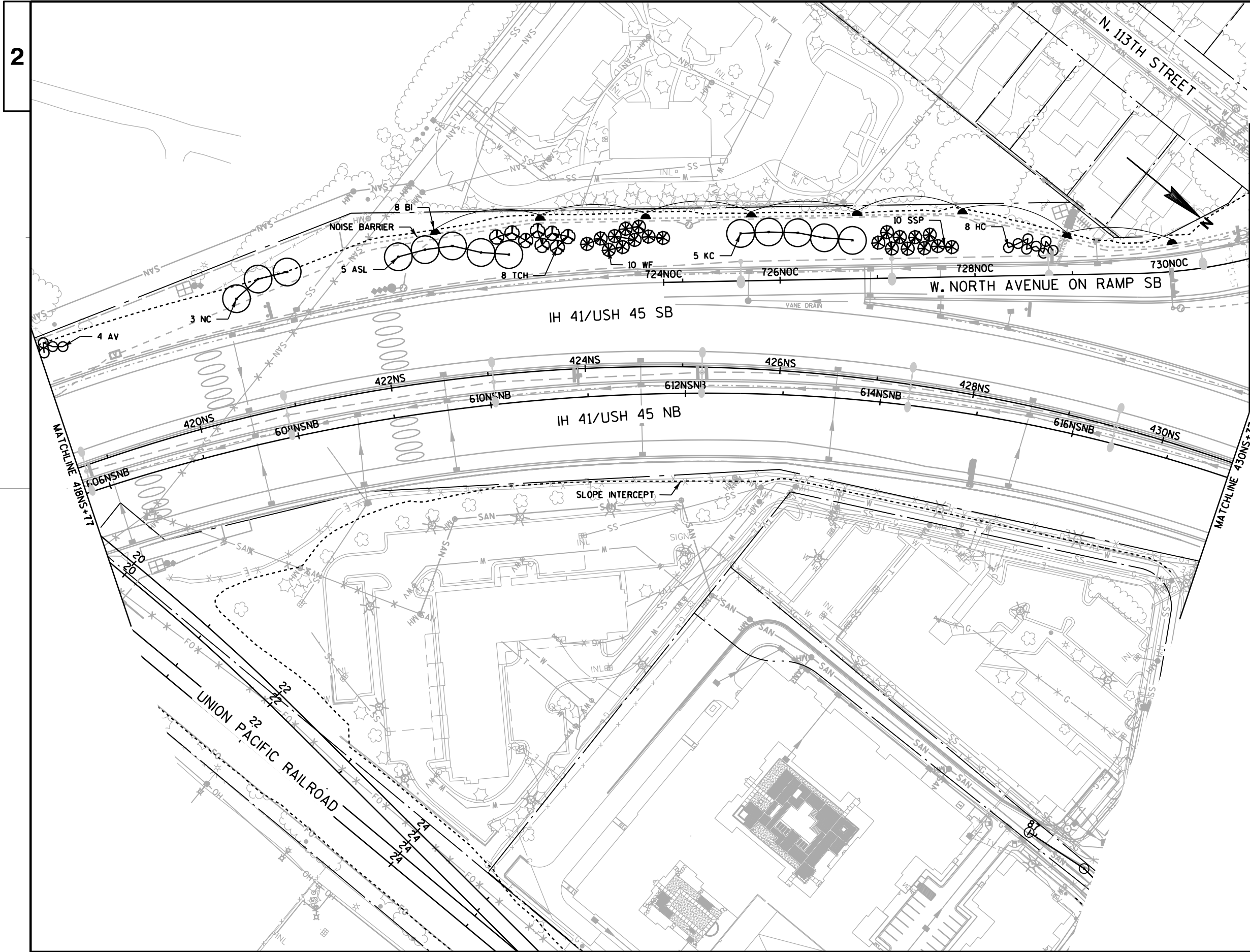
EVERGREEN		
WF		FIR, WHITE
CHL		CANADIAN HEMLOCK
SSP		PINE, SWISS STONE
T		TAMARCK
NS		SPRUCE, NORWAY
WS		SPRUCE, WHITE

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
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PLANT KEY		
SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
NC		CATALPA, NORTHERN
KC		COFFEETREE, 'ESPRESSO' 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
AC		CRABAPPLE, 'ADIRONDACK'
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

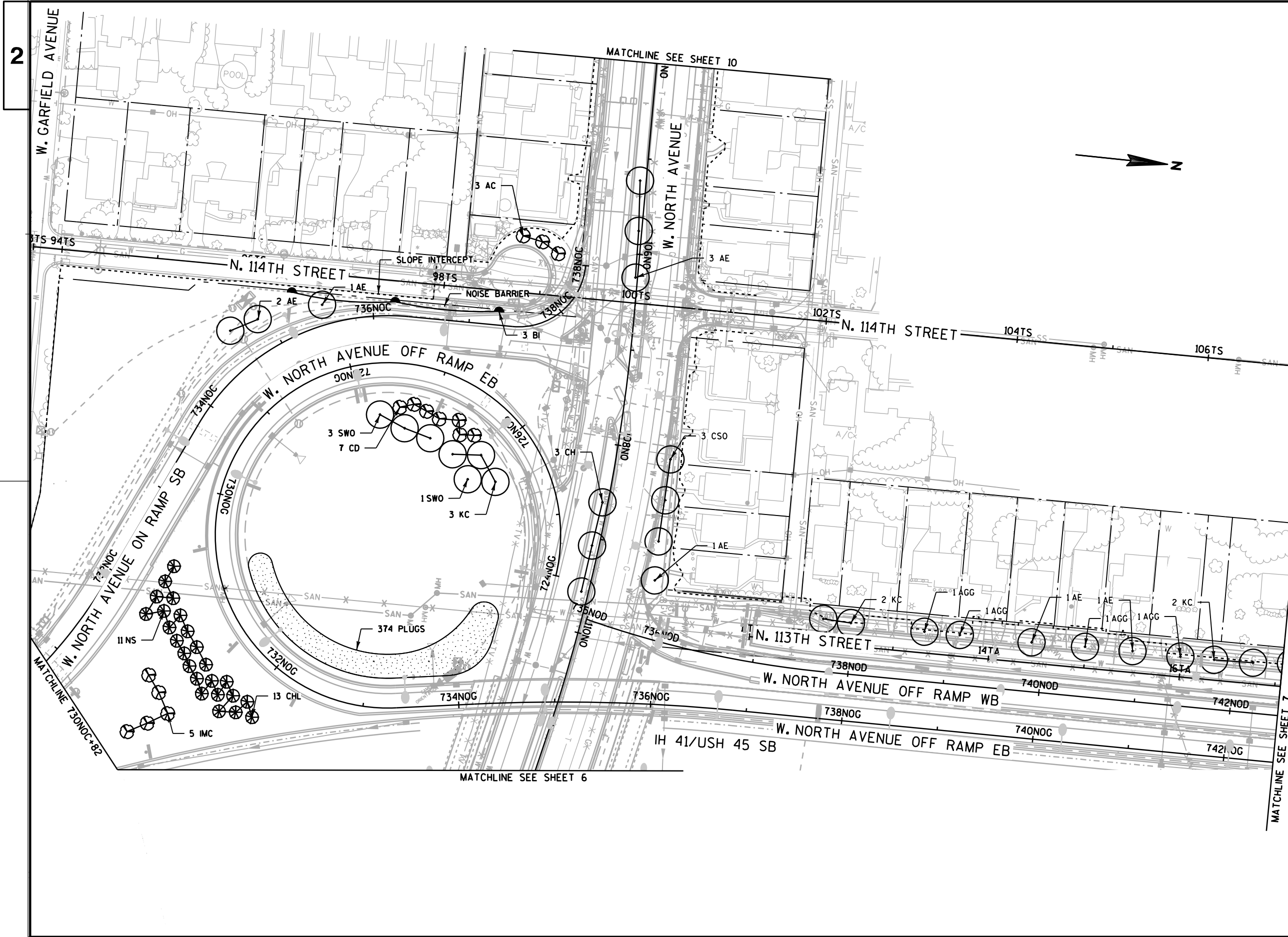
VINES		
BI		IVY, BOSTON

LEGEND	
	RETAINING WALL
	FENCE
	LIGHT POLE
	PLUG LOCATION

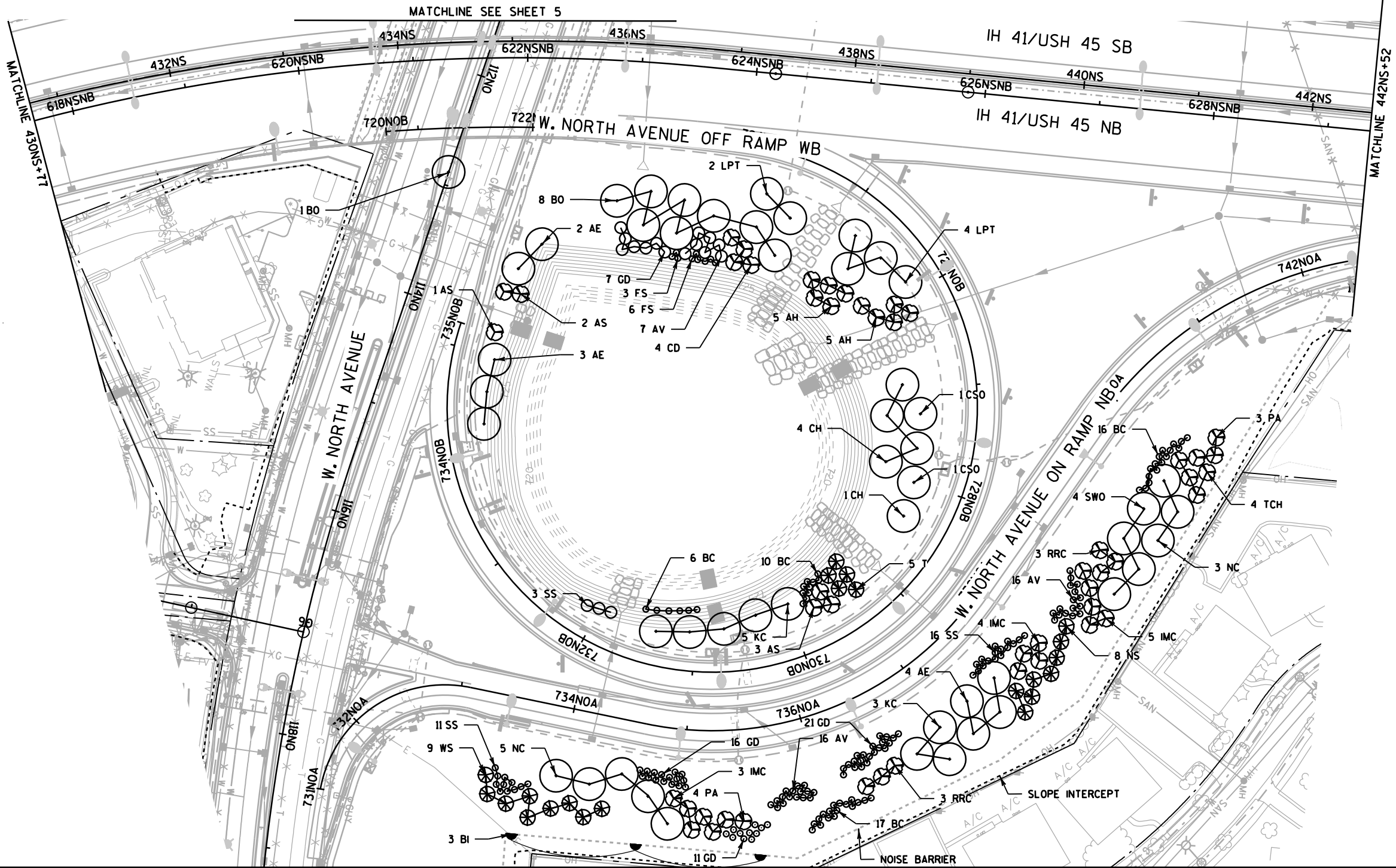
NOTE:

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- MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART
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SHEET 4 OF 10



PLANT KEY		
SYM.	ABBR.	COMMON NAME
<b>DECIDUOUS TREES (SHADE)</b>		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, 'ESPRESSO' 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
<b>DECIDUOUS TREES (ORNAMENTAL)</b>		
	AH	HOPHORNBEAM, AMERICAN
	AC	CRABAPPLE, 'ADIRONDACK'
	IMC	CRABAPPLE, 'INDIAN MAGIC'
	RRC	CRABAPPLE, 'ROYAL RAINDROPS'
	CD	DOGWOOD, CORNEILIANCHERRY
	TCH	HAWTHORN, COCKSPUR THORNLESS
	PA	PLUM, AMERICAN
	AS	SERVICEBERRY, APPLE TREEFORM
<b>EVERGREEN</b>		
	WF	FIR, WHITE
	CHL	CANADIAN HEMLOCK
	SSP	PINE, SWISS STONE
	T	TAMARCK
	NS	SPRUCE, NORWAY
	WS	SPRUCE, WHITE
<b>SHRUBS</b>		
	BC	CHOKEBERRY, BLACK
	HC	COTONEASTER, HEDGE
	GD	DOGWOOD, GRAY
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
<b>VINES</b>		
	BI	IVY, BOSTON
<b>LEGEND</b>		
▲	RETAINING WALL	
—	FENCE	
○	LIGHT POLE	
●	PLUG LOCATION	
NOTE:		
1. ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES		
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SHEET 5 OF 10		



PLANT KEY		
SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, 'ESPRESSO' 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
	AC	CRABAPPLE, 'ADIRONDACK'
	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

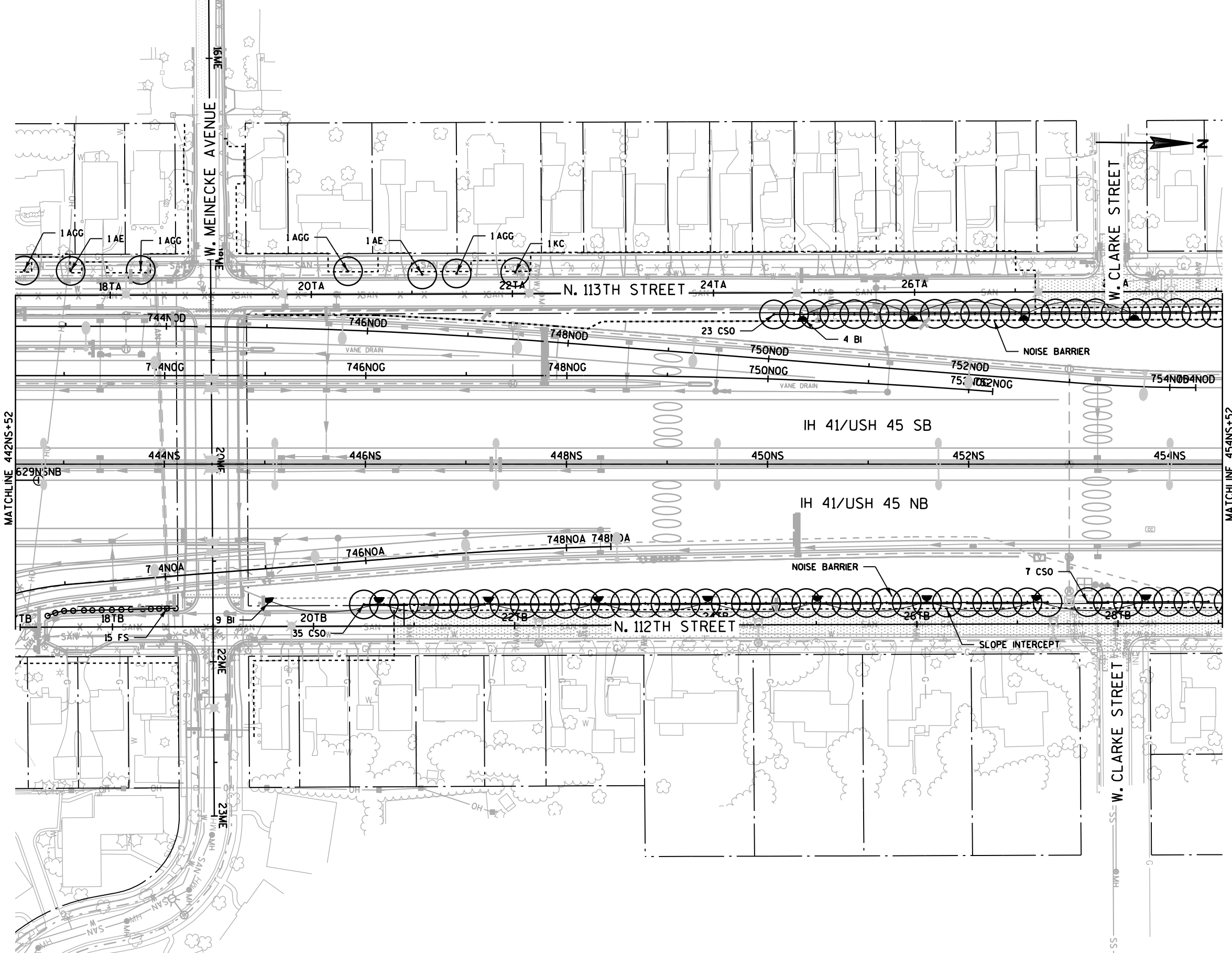
SHRUBS		
	BC	CHOKEBERRY, BLACK
	HC	COTONEASTER, HEDGE
	GD	DOGWOOD, GRAY
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD

VINES		
	BI	IVY, BOSTON

LEGEND	
	RETAINING WALL
	FENCE
	LIGHT POLE
	PLUG LOCATION

NOTE:  
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SHEET 6 OF 10



**PLANT KEY**

SYM.	ABBR.	COMMON NAME
<b>DECIDUOUS TREES (SHADE)</b>		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, 'ESPRESSO' 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

<b>DECIDUOUS TREES (ORNAMENTAL)</b>		
	AH	HOPHORNBEAM, AMERICAN
	AC	CRABAPPLE, 'ADIRONDACK'
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	CD	DOGWOOD, CORNEILIANCHERRY
	TCH	HAWTHORN, COCKSPUR THORNLESS
	PA	PLUM, AMERICAN
	AS	SERVICEBERRY, APPLE TREEFORM

<b>EVERGREEN</b>		
	WF	FIR, WHITE
	CHL	CANADIAN HEMLOCK
	SSP	SPINE, SWISS STONE
	T	TAMARCK
	NS	SPRUCE, NORWAY
	WS	SPRUCE, WHITE

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

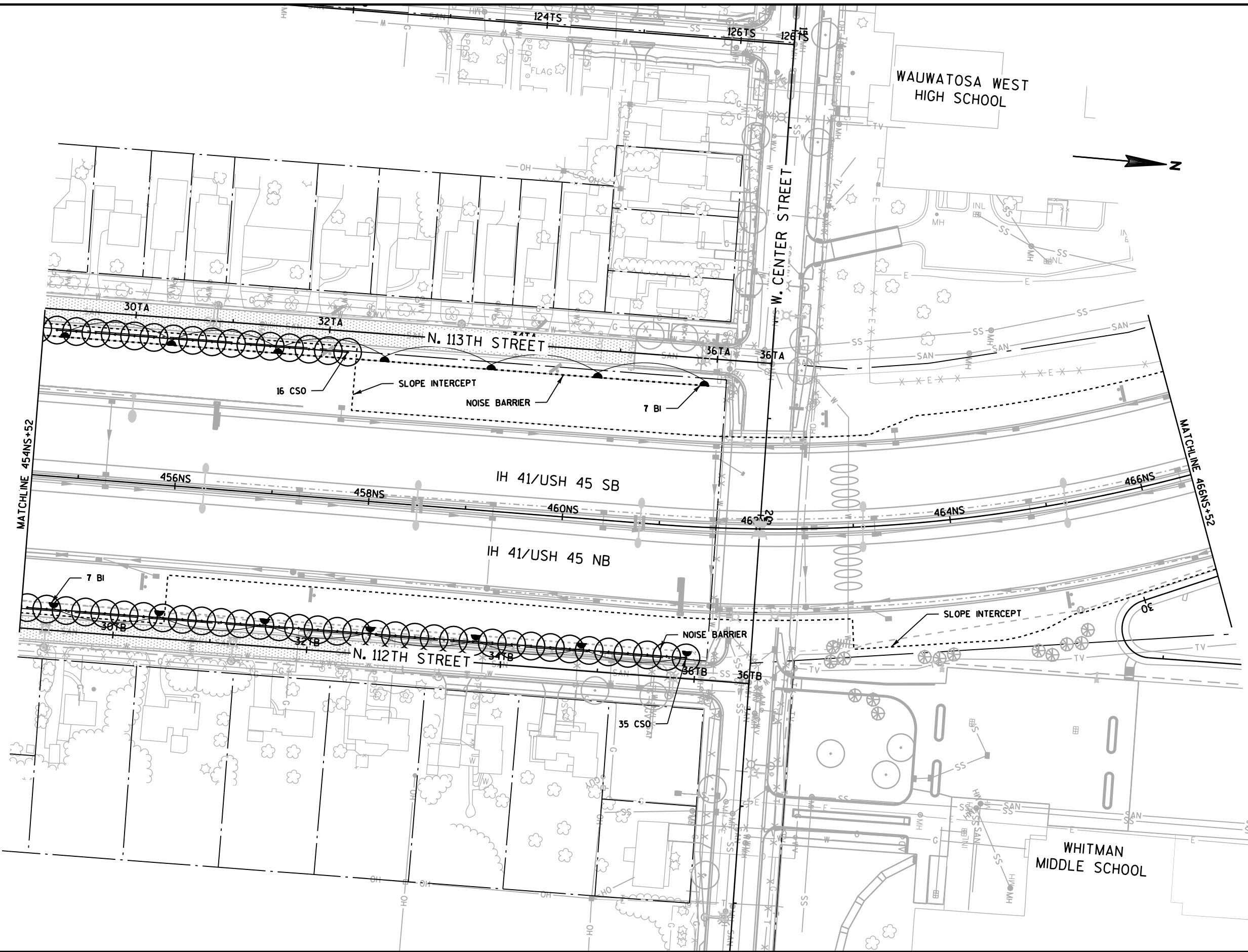
<b>VINES</b>		
	BI	IVY, BOSTON

**LEGEND**

- RETAINING WALL
- FENCE
- LIGHT POLE
- PLUG LOCATION

**NOTE:**

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PLANT KEY		
SYM.	ABBR.	COMMON NAME
<b>DECIDUOUS TREES (SHADE)</b>		
+	NC	CATALPA, NORTHERN
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	BO	OAK, BUR
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	SWO	OAK, SWAMP WHITE
	LPT	TREE, LONDON PLANE

<b>DECIDUOUS TREES (ORNAMENTAL)</b>		
	AH	HOPHORNBEAM, AMERICAN
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	TCH	HAWTHORN, COCKSPUR THORNLESS
	PA	PLUM, AMERICAN
	AS	SERVICEBERRY, APPLE TREEFORM

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

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

<b>VINES</b>		
	BI	IVY, BOSTON

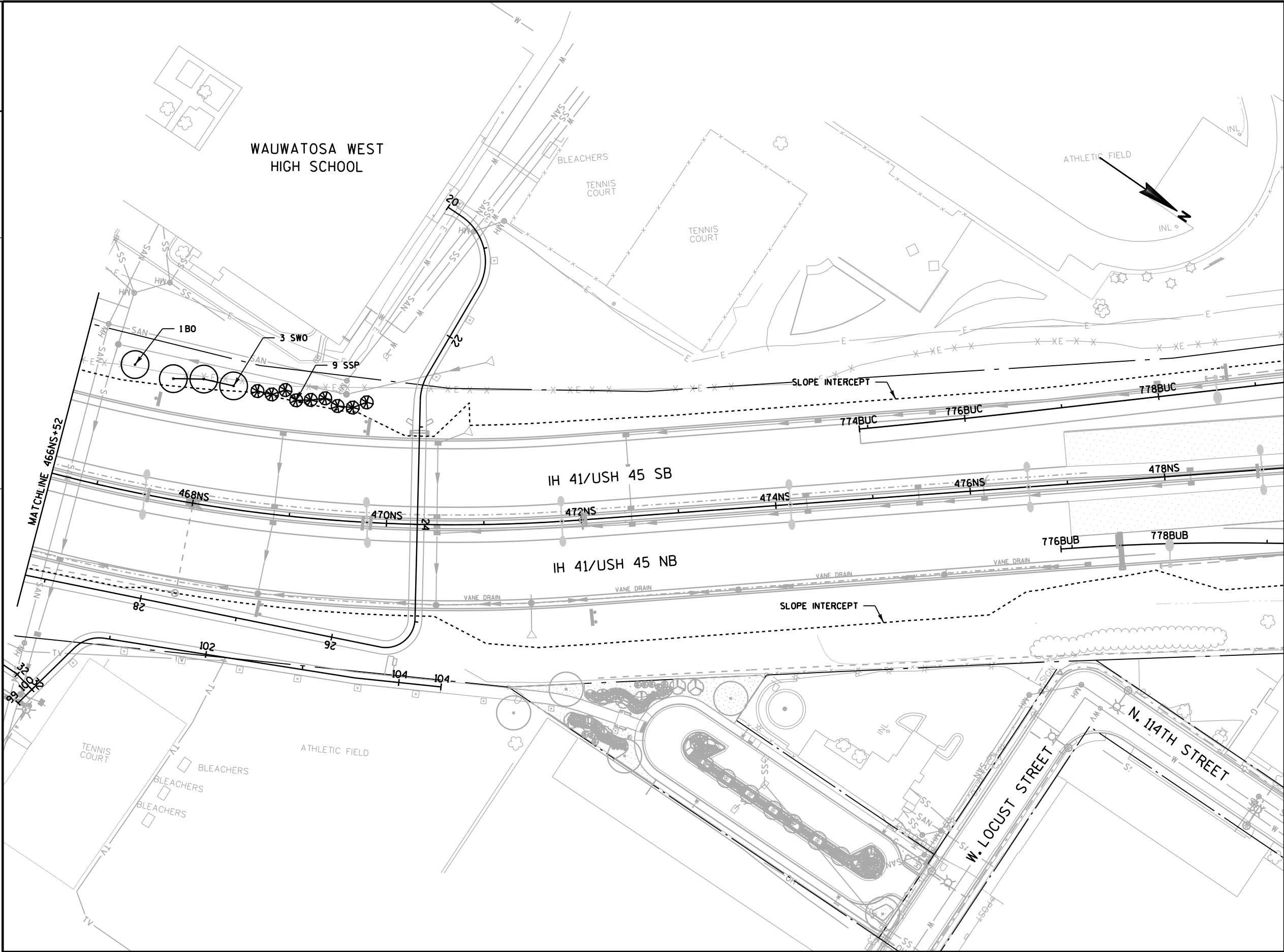
LEGEND	
	RETAINING WALL
	FENCE
	LIGHT POLE
	PLUG LOCATION

**NOTE:**

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SHEET 8 OF 10





PLANT KEY		
SYM.	ABBR.	COMMON NAME
DECIDUOUS TREES (SHADE)		
(+)	NC	CATALPA, NORTHERN
	KC	COFFEETREE, 'ESPRESSO' 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
	AC	CRABAPPLE, 'ADIRONDACK'
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	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

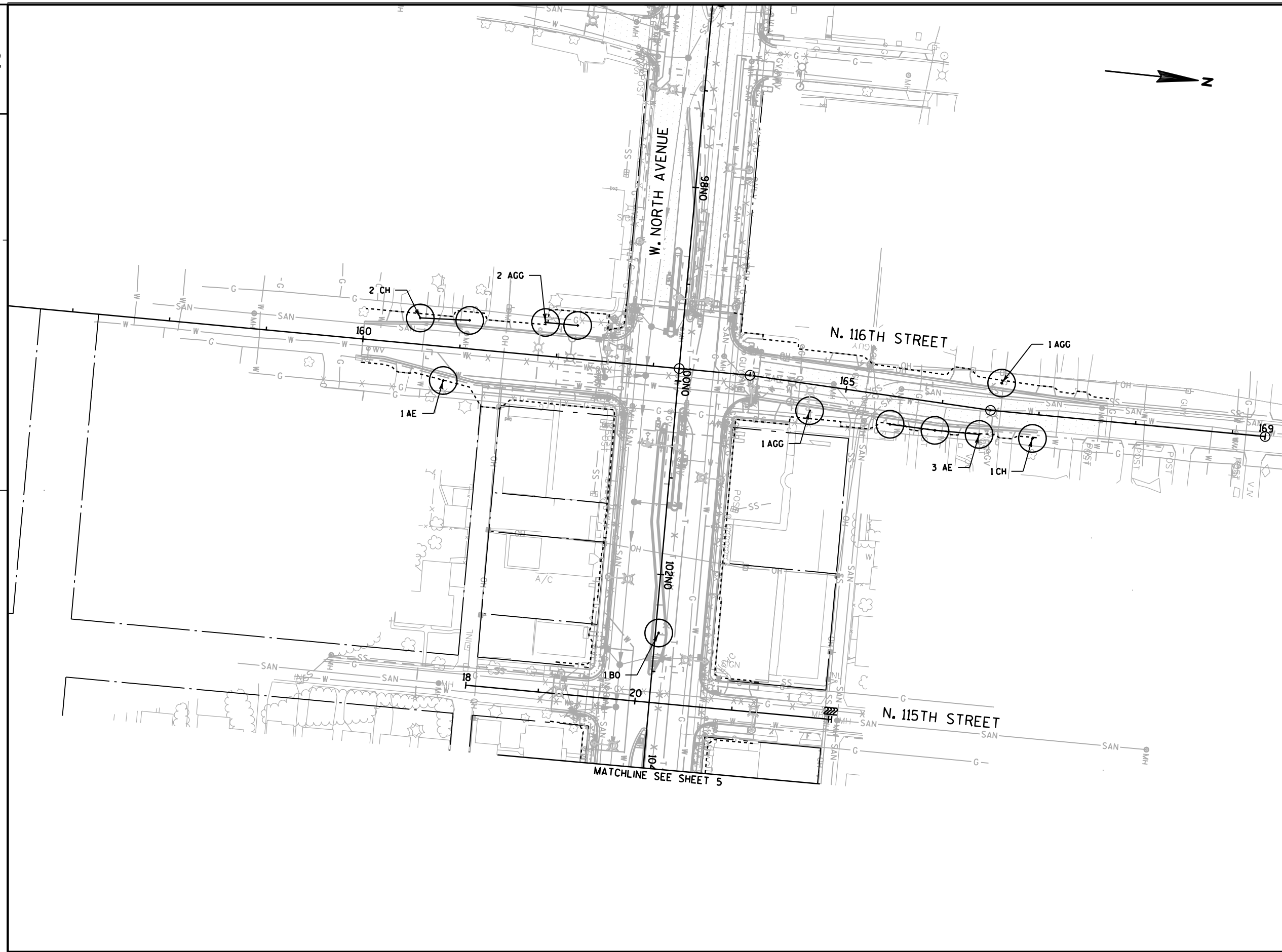
SHRUBS		
(*)	BC	CHOKEBERRY, BLACK
	HC	COTONEASTER, HEDGE
	GD	DOGWOOD, GRAY
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD

VINES		
(*)	BI	IVY, BOSTON

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

NOTE:

- ADJUST PLANTING LOCATION MIN. 2'-0" LATERAL CLEARANCE FROM ALL MARKED LINES
- MULCH IS INCIDENTAL TO TREE PLANTING, SEE PLANT DATA CHART
- IVY TO BE PLANTED 1'-0" MAX FROM NOISE BARRIER AND RETAINING WALL
- 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
<b>DECIDUOUS TREES (SHADE)</b>		
+	NC	CATALPA, NORTHERN
	KC	COFFEETREE, 'ESPRESSO' 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	
<b>DECIDUOUS TREES (ORNAMENTAL)</b>		
⊗	AH	HOPHORNBEAM, AMERICAN
	AC	CRABAPPLE, 'ADIRONDACK'
	IMC	CRABAPPLE, 'INDIAN MAGIC'
	RRC	CRABAPPLE, 'ROYAL RAINDROPS'
	CD	DOGWOOD, CORNEILIANCHERRY
	TCH	HAWTHORN, COCKSPUR THORNLESS
	PA	PLUM, AMERICAN
	AS	SERVICEBERRY, APPLE TREEFORM
<b>EVERGREEN</b>		
⊗	WF	FIR, WHITE
	CHL	CANADIAN HEMLOCK
	SSP	PINE, SWISS STONE
	T	TAMARCK
	NS	SPRUCE, NORWAY
	WS	SPRUCE, WHITE
<b>SHRUBS</b>		
⊙	BC	CHOKEBERRY, BLACK
	HC	COTONEASTER, HEDGE
	GD	DOGWOOD, GRAY
	FS	SUMAC, FRAGRANT
	SS	SUMAC, SMOOTH
	AV	VIBURNUM, ARROWWOOD
<b>VINES</b>		
▲	BI	IVY, BOSTON

LEGEND	
▲	RETAINING WALL
—	FENCE
⊙	LIGHT POLE
⊗	PLUG LOCATION

NOTE:

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

Estimate Of Quantities

1060-35-82

Line	Item	Item Description	Unit	Total	Qty
0002	205.0100	Excavation Common	CY	529.000	529.000
0004	619.1000	Mobilization	EACH	1.000	1.000
0006	625.0105	Topsoil	CY	704.000	704.000
0008	628.2006	Erosion Mat Urban Class I Type A	SY	894.000	894.000
0010	632.0101	Trees (species) (size) (root) 0001. Catalpa, Northern B&B 2.5-Inch Cal	EACH	11.000	11.000
0012	632.0101	Trees (species) (size) (root) 0003. Coffeetree, 'Espresso' Kentucky B&B 2.5-Inch Cal	EACH	21.000	21.000
0014	632.0101	Trees (species) (size) (root) 0005. Elm, Accolade B&B 2.5-Inch Cal	EACH	24.000	24.000
0016	632.0101	Trees (species) (size) (root) 0006. Ginkgo, Autumn Gold B&B 2.5-Inch Cal	EACH	12.000	12.000
0018	632.0101	Trees (species) (size) (root) 0007. Hackberry, Common B&B 2.5-Inch Cal	EACH	11.000	11.000
0020	632.0101	Trees (species) (size) (root) 0009. Linden, 'Sentry' 2.5-Inch Cal	EACH	8.000	8.000
0022	632.0101	Trees (species) (size) (root) 0011. Linden, Redmond B&B 2.5-Inch Cal	EACH	3.000	3.000
0024	632.0101	Trees (species) (size) (root) 0017. Oak, Bur B&B 2.5-Inch Cal	EACH	15.000	15.000
0026	632.0101	Trees (species) (size) (root) 0019. Oak, Crimson Spire English B&B 2.5-Inch Cal	EACH	121.000	121.000
0028	632.0101	Trees (species) (size) (root) 0021. Oak, Swamp White B&B 2.5-Inch Cal	EACH	11.000	11.000
0030	632.0101	Trees (species) (size) (root) 0023. Tree, London Plane B&B 2.5-Inch Cal	EACH	6.000	6.000
0032	632.0101	Trees (species) (size) (root) 0025. Hophornbeam, American B&B 2-Inch Cal	EACH	10.000	10.000
0034	632.0101	Trees (species) (size) (root) 0026. Crabapple, 'Adirondack' B&B 2-Inch	EACH	3.000	3.000
0036	632.0101	Trees (species) (size) (root) 0027. Crabapple, 'Indian Magic' B&B 2-Inch Cal	EACH	17.000	17.000
0038	632.0101	Trees (species) (size) (root) 0029. Crabapple, Royal Raindrops B&B 2-Inch Cal	EACH	6.000	6.000
0040	632.0101	Trees (species) (size) (root) 0031. Dogwood, Corneilancherry B&B 7' Ht	EACH	11.000	11.000
0042	632.0101	Trees (species) (size) (root) 0033. Hawthorn, Cockspur Thornless B&B 2-Inch Cal	EACH	16.000	16.000
0044	632.0101	Trees (species) (size) (root) 0035. Plum, American B&B 5' Ht	EACH	7.000	7.000
0046	632.0101	Trees (species) (size) (root) 0037. Serviceberry, Apple B&B 2-Inch Cal	EACH	6.000	6.000
0048	632.0101	Trees (species) (size) (root) 0038. Fir, White B&B 6' Ht	EACH	10.000	10.000
0050	632.0101	Trees (species) (size) (root) 0040. Canadian Hemlock B&B 6' Ht	EACH	13.000	13.000
0052	632.0101	Trees (species) (size) (root) 0042. Pine, Swiss Stone B&B 6' Ht	EACH	23.000	23.000
0054	632.0101	Trees (species) (size) (root) 0043. Tamarack B&B 6' Ht	EACH	5.000	5.000
0056	632.0101	Trees (species) (size) (root) 0045. Spruce, Norway B&B 7' Ht	EACH	19.000	19.000
0058	632.0101	Trees (species) (size) (root) 0047. Spruce, White B&B 6' Ht	EACH	14.000	14.000
0060	632.0201	Shrubs (species) (size) (root) 0049. Chokeberry, Black CG 18" Ht	EACH	49.000	49.000
0062	632.0201	Shrubs (species) (size) (root) 0051. Cotoneaster, Hedge CG 18" Ht	EACH	8.000	8.000
0064	632.0201	Shrubs (species) (size) (root) 0053. Dogwood, Gray CG 18" Ht	EACH	64.000	64.000
0066	632.0201	Shrubs (species) (size) (root) 0055. Sumac, Fragrant CG 18" Ht	EACH	24.000	24.000
0068	632.0201	Shrubs (species) (size) (root) 0057. Sumac, Smooth CG 18" Ht	EACH	35.000	35.000
0070	632.0201	Shrubs (species) (size) (root) 0059. Viburnum, Arrowwood CG 18" Ht	EACH	52.000	52.000
0072	632.0201	Shrubs (species) (size) (root) 0061. Buttonbush CG 4' Ht	EACH	12.000	12.000
0074	632.0201	Shrubs (species) (size) (root) 0063. Dogwood, Redosier CG 4' Ht	EACH	16.000	16.000
0076	632.0201	Shrubs (species) (size) (root) 0065. Willow, Sandbar CG 2' Ht	EACH	16.000	16.000
0078	632.0301	Vines (species) (size) (root) 0001. Ivy, Boston CG. 1 Gal	EACH	41.000	41.000
0080	632.9101	Landscape Planting Surveillance and Care Cycles	EACH	36.000	36.000
0082	643.0300	Traffic Control Drums	DAY	1,164.000	1,164.000
0084	643.0420	Traffic Control Barricades Type III	DAY	50.000	50.000
0086	643.0705	Traffic Control Warning Lights Type A	DAY	101.000	101.000
0088	643.0715	Traffic Control Warning Lights Type C	DAY	120.000	120.000
0090	643.0800	Traffic Control Arrow Boards	DAY	10.000	10.000
0092	643.0900	Traffic Control Signs	DAY	293.000	293.000
0094	643.1050	Traffic Control Signs PCMS	DAY	11.000	11.000
0096	643.4100.S	Traffic Control Interim Lane Closure	EACH	4.000	4.000
0098	643.5000	Traffic Control	EACH	1.000	1.000

Estimate Of Quantities

1060-35-82

Line	Item	Item Description	Unit	Total	Qty
0100	SPV.0060	Special 0916. Traffic Control Local Road Lane Closures	EACH	14.000	14.000
0102	SPV.0060	Special 6010. Plugs CG #2.5	EACH	374.000	374.000
0104	SPV.0060	Special 6011. Watering Bag	EACH	702.000	702.000
0106	SPV.0060	Special 6015. Vegetation Establishment Plan Underwood Creek	EACH	36.000	36.000
0108	SPV.0075	Special 0001. Pavement Cleanup Project 1060-35-82	HRS	20.000	20.000
0110	SPV.0085	Special 6001. Seeding Mixture Prairie Mix	LB	8.100	8.100
0112	SPV.0090	Special 6001. Coir Log	LF	151.000	151.000

	COMMON NAME	SCIENTIFIC NAME	TYPE	AVG. MATURE HEIGHT	SIZE WHEN PLANTED	ROOT ZONE MODE	MINIMUM BALL OR		MINIMUM HOLE		BRACE OR GUY	FERT. UNITS REQ'D	RODENT PROT'CT REQ'D	MULCH RING DIAM.
							POT SIZE		SIZE					
							DIAM.	DEPTH	DIAM.	DEPTH				

**LARGE DECIDUOUS TREES**

NC	Catalpa, Northern	Catalpa speciosa	1T	50'	2 1/2" CAL	B&B	28"	17"	52"	17"	GUY	4	NO	64"
KC	Coffeetree, 'Espresso' Kentucky	Gymnocladus dioica 'Espresso'	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"
AC	Crabapple, 'Adirondack'	Malus 'Adirondack'	3T	20'	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"	6"	n/a	n/a	NO	n/a
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	COMMON NAME	SCIENTIFIC NAME	TYPE	AVG. MATURE HEIGHT	SIZE WHEN PLANTED	ROOT ZONE MODE	MINIMUM BALL OR POT SIZE		MINIMUM HOLE SIZE		BRACE OR GUY	FERT. UNITS REQ'D	RODENT PROT'CT REQ'D	MULCH RING DIAM.
							DIAM.	DEPTH	DIAM.	DEPTH				
							<b>SHRUBS</b>							
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	Salix exigua	N/A	15'	2' HT	CG	12"	7.75"	36"	7.75"	n/a	n/a	n/a	n/a

PROJECT NO: 1060-35- 82

HWY: IH 41/USH 45

COUNTY: MILWAUKEE

MISCELLANEOUS QUANTITIES

SHEET NO:

E

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BID ITEMS	SYM.	COMMON NAME	STREETSCAPING PLAN SHEET NUMBERS										TOTALS
			1	2	3	4	5	6	7	8	9	10	

## LARGE DECIDUOUS TREES

632.0101.0001	NC	Catalpa, Northern				3		8					11
632.0101.0003	KC	Coffeetree, 'Espresso' Kentucky				5	7	8	1				21
632.0101.0005	AE	Elm, Accolade					9	9	2			4	24
632.0101.0006	AGG	Ginkgo, Autumn Gold					4		4			4	12
632.0101.0007	CH	Hackberry, Common					3	5				3	11
632.0101.0009	ASL	Linden, 'Sentry'	3			5							8
632.0101.0011	RL	Linden, Redmond	3										3
632.0101.0017	BO	Oak, Bur		4				9			1	1	15
632.0101.0019	CSO	Oak, Crimson Spire English					3	2	65	51			121
632.0101.0021	SWO	Oak, Swamp White					4	4			3		11
632.0101.0023	LPT	Tree, London Plane						6					6

## SMALL DECIDUOUS TREES

632.0101.0025	AH	Hophornbeam, American						10					10
632.0101.0026	AC	Crabapple, 'Adirondack'					3						3
632.0101.0027	IMC	Crabapple 'Indian Magic'					5	12					17
632.0101.0029	RRC	Crabapple, Royal Raindrops						6					6
632.0101.0031	CD	Dogwood, Corneliancherry					7	4					11
632.0101.0033	TCH	Hawthorn, Cockspur Thornless		4		8		4					16
632.0101.0035	PA	Plum, American						7					7
632.0101.0037	AS	Serviceberry, Apple						6					6

## EVERGREEN

632.0101.0038	WF	Fir, White				10							10
632.0101.0040	CHL	Canadian Hemlock					13						13
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			9			55					64
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	4		39					52

## VINES

632.0301	BI	Ivy, Boston				8	3	3	13	14			41
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## NATIVE PERENNIALS

SPV 0060.6010		Plug Cont #2.5					374						374
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BID ITEMS	SYM.	COMMON NAME	UNDERWOOD CREEK DETAIL	
			EACH	TOTALS
<u>SHRUBS</u>				
632.0201.0061	BB	Buttonbush	12	12
632.0201.0063	RO	Dogwood, Redosier	16	16
632.0201.0065	SBW	Willow, Sandbar	16	16

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LANDSCAPE ITEMS

CATEGORY	LOCATION	204.0100 EXCAVATION COMMON CY	625.0105 TOPSOIL CY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	632.9101 LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES EACH	SPV.0060.6011 WATERING BAG EACH	SPV.0060.6015 VEGETATION ESTABLISHMENT PLAN UNDERWOOD CREEK EACH	SPV.0085.6001 SEEDING MIXTURE PRAIRIE MIX LBS	SPV.0090.6001 COIR LOG LF
6000	<u>STREETSCAPING</u>	529	568	--	36	638	--	--	--
	<u>UNDERWOOD CREEK</u>	--	136	813	--	--	36	8.1	137
	<u>UNDISTRIBUTED</u>	--	--	81	--	64	--	--	14
<b>TOTALS</b>		529	704	894	36	702	36	8.1	151

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MOBILIZATION

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

PAVEMENT CLEANUP

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



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TRAFFIC CONTROL

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

TRAFFIC CONTROL

CATEGORY	PROJECT	643.4100.S TRAFFIC CONTROL INTERIM LANE CLOSURE EACH	SPV.0060.00916 TRAFFIC CONTROL LOCAL ROAD LANE CLOSURES EACH
6000	<u>1060-35-82</u>	4	14
<u>TOTALS</u>		4	14

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TRAFFIC CONTROL ITEMS

CATEGORY	ROADWAY	DURATION DAYS	643.0300 TRAFFIC CONTROL DRUMS		643.0420 TRAFFIC CONTROL BARRICADES TYPE III		643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A		643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C		643.0800 TRAFFIC CONTROL ARROW BOARDS		643.0900 TRAFFIC CONTROL SIGNS		643.1050 TRAFFIC CONTROL SIGNS PCMS	
			EACH**	DAY	EACH**	DAY	EACH**	DAY	EACH**	DAY	EACH**	DAY	EACH**	DAY	EACH**	DAY
6000	<u>IH 41 / USH 45 NB</u>	3	42	126	--	--	--	--	--	--	2	6	16	48	1	3
	<u>IH 41 / USH 45 SB</u>	2	44	88	--	--	--	--	--	--	1	2	10	20	1	2
	<u>NORTH AVENUE</u>	2	47	94	4	8	8	16	10	20	--	--	8	16	1	2
	<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			194		8		17		20		2		49		2
<u>TOTALS</u>				1,164		50		101		120		10		293		11

\*\*FOR INFORMATION ONLY

R/W PROJECT NUMBER 1060-33-26	SHEET NUMBER 4.1	TOTAL SHEETS
FEDERAL PROJECT NUMBER 1060-33-26		
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.	<b>CURVE DATA</b>	
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

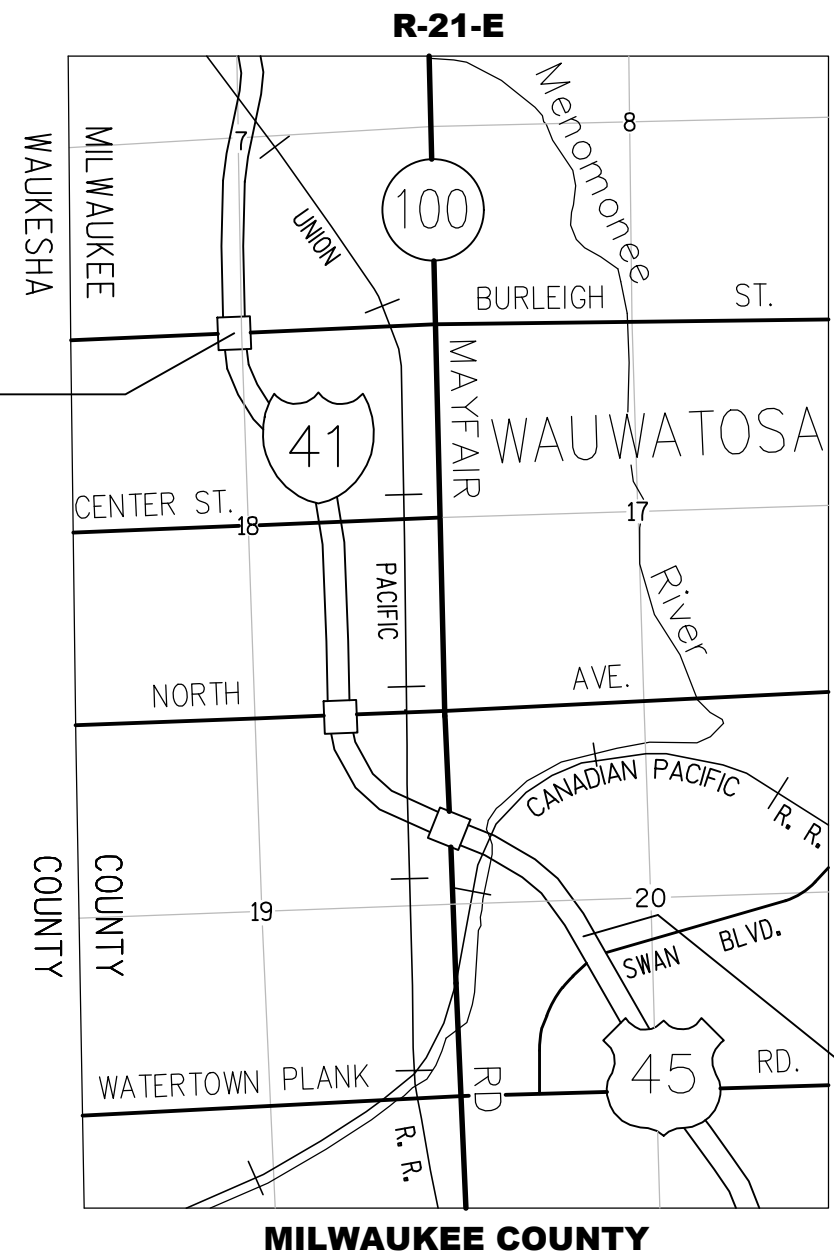
**CONVENTIONAL SYMBOLS**

FOUND IRON PIPE/PIN	(1" 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	—E—
CABLE TELEVISION	—TV—
FIBER OPTIC	—FO—
SANITARY SEWER	—SAN—
STORM SEWER	—SS—
NON COMPENSABLE COMPENSABLE	
POWER POLE	⊙
TELEPHONE POLE	⊙
UTILITY PEDESTAL	⊙
ELECTRIC TOWER	⊙

**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

**NOTES:**

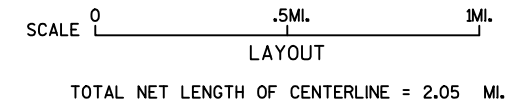
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, MILWAUKEE COUNTY, NAD83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

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.



**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)

**E**

# SCHEDULE OF LANDS & INTERESTS REQUIRED

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

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. DIGIACOMO	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	-----	-----
	07-15-2014	-----	-----
	09-24-2014	-----	-----
	04-02-2015	-----	-----

DATE 11-07-2013  
COUNTY: MILWAUKEE

HWY: I-41 / USH 45

STATE R/W PROJECT NUMBER 1060-33-26

PLAT SHEET 4.02

CONSTRUCTION PROJECT NUMBER 1060-33-84, 1060-34-84, 1060-33-83, 1060-33-86, 1060-35-85

E

# SCHEDULE OF LANDS & INTERESTS REQUIRED

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

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

4

4

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	DENNIS L. & 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	-----	-----
	07-15-2014	-----	-----
	09-24-2014	-----	-----
	04-02-2015	-----	-----

DATE	11-07-2013
COUNTY:	MILWAUKEE

HWY:	I-41 / USH 45
CONSTRUCTION PROJECT NUMBER	1060-33-84, 1060-34-84, 1060-33-83, 1060-33-86, 1060-35-85, 1060-34-76

STATE R/W PROJECT NUMBER	1060-33-26
PLAT SHEET	4.03

E

# SCHEDULE OF LANDS & INTERESTS REQUIRED

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

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	0.500	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	-----	-----
	09-24-2014	-----	-----
	04-02-2015	-----	-----

DATE 11-07-2013  
COUNTY: MILWAUKEE

HWY: I-41 / USH 45

STATE R/W PROJECT NUMBER 1060-33-26

PLAT SHEET 4.04

CONSTRUCTION PROJECT NUMBER 1060-33-84, 1060-34-84, 1060-33-83, 1060-33-86, 1060-35-85, 1060-34-85, 1060-34-74

E

# SCHEDULE OF LANDS & INTERESTS REQUIRED

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

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.

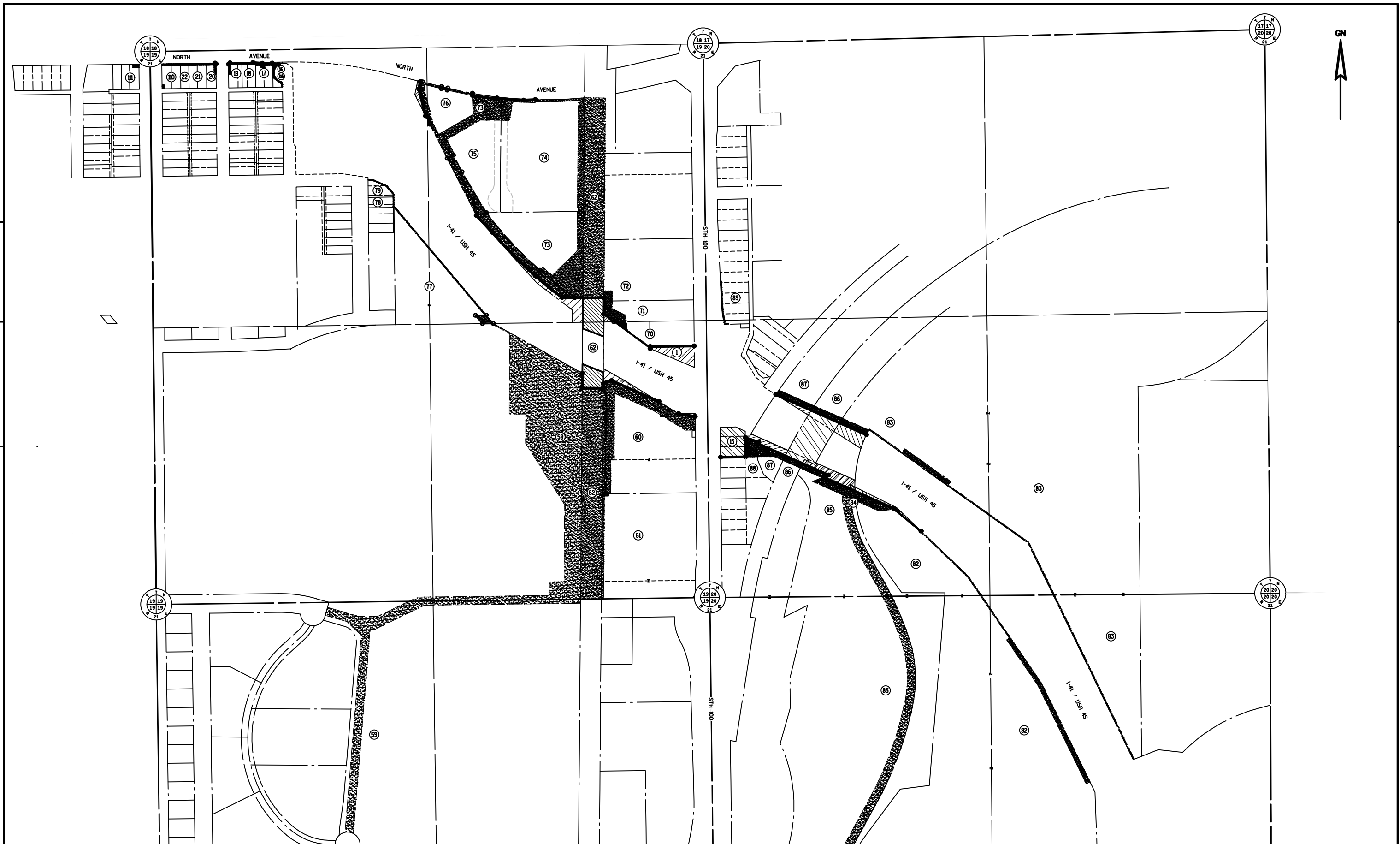
SF = SQUARE FEET \* DENOTES AREAS COMPUTED

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

4

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	COUNTY:	MILWAUKEE	CONSTRUCTION PROJECT NUMBER	1060-33-84, 1060-34-84, 1060-33-83, 1060-33-86, 1060-35-85				
09-24-2014	10-31-2019								
04-02-2015									



4

4

REVISION DATE	06-11-2015	-----	-----
	07-15-2014	-----	-----
	09-24-2014	-----	-----
	04-02-2015	-----	-----

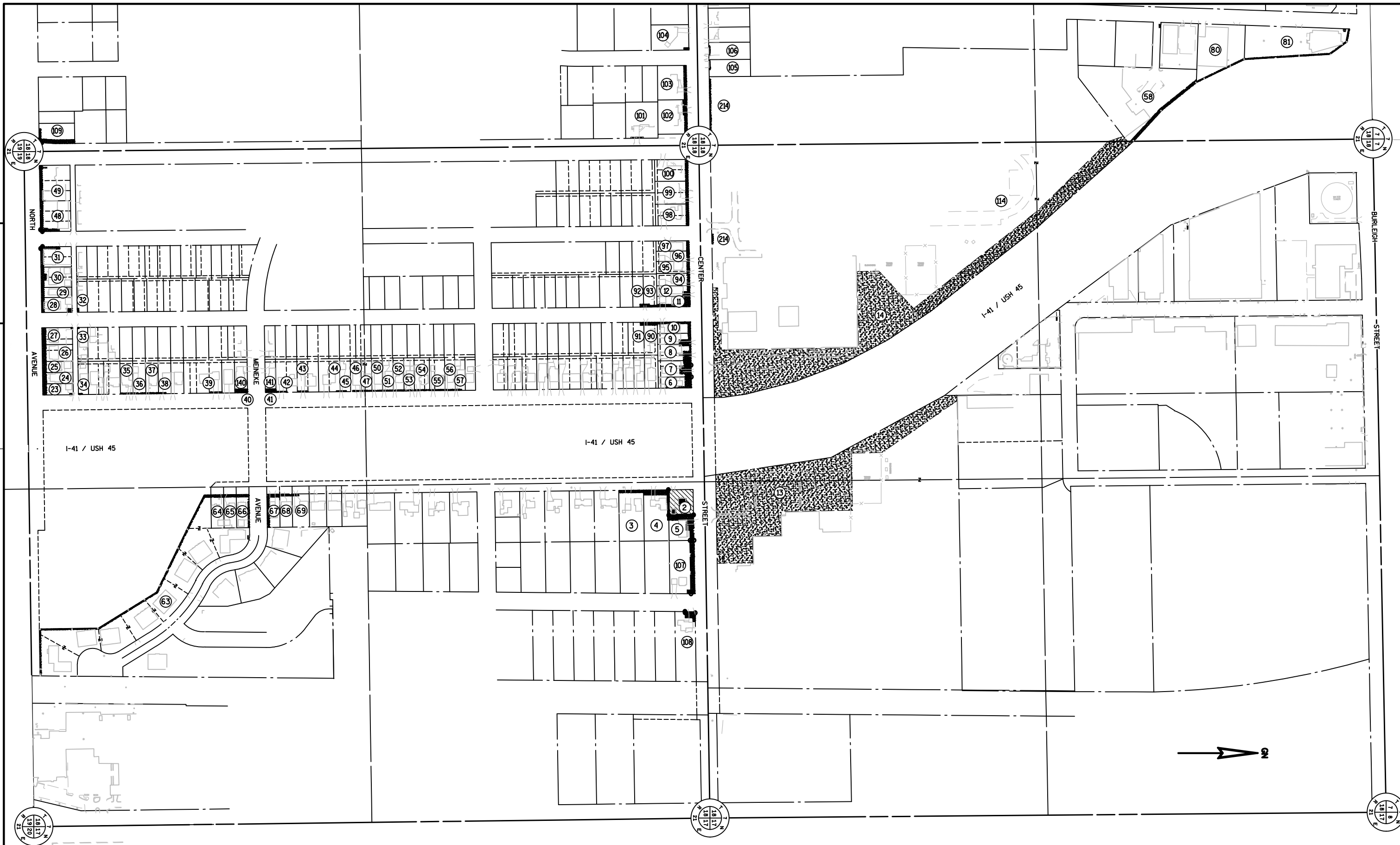
DATE 11-07-2013  
 COUNTY: MILWAUKEE

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

E



4

4

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

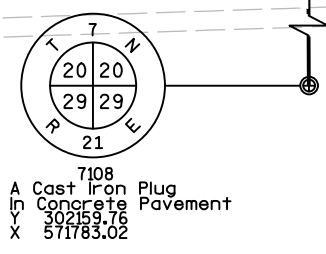
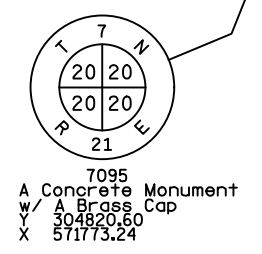
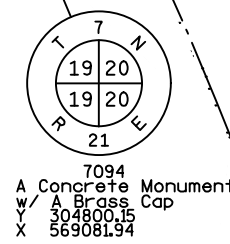
HWY: I-41 / USH 45  
 CONSTRUCTION PROJECT NUMBER 1060-33-83, 1060-34-84, 1060-35-85, 1060-33-84

STATE R/W PROJECT NUMBER 1060-33-26

PLAT SHEET 4.07

E





500 WE ENERGIES - ELECTRIC  
 DOC. 8763938 R. 5819 I. 1735  
 PCL. 82  
 DOC. 3845014 V. 4089 P. 56  
 PCL. 82, EXISTING RIGHTS IN R/W  
 DOC. 10261027  
 PCL. 82  
 DOC. 10261028  
 PCL. 83

RL I-41 / USH 45  
 PI STA = 397+48.50  
 Y = 305171.14  
 X = 570400.54  
 PC STA = 390+71.79  
 PT STA = 403+72.50  
 DELTA = 39°01'06"  
 D = 2°59'59"  
 T = 676.71'  
 L = 1300.71'  
 R = 1910.00'  
 LCH = 1275.72'  
 LCB = N46°32'35"W

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	1100-01-23	VARIES	1969

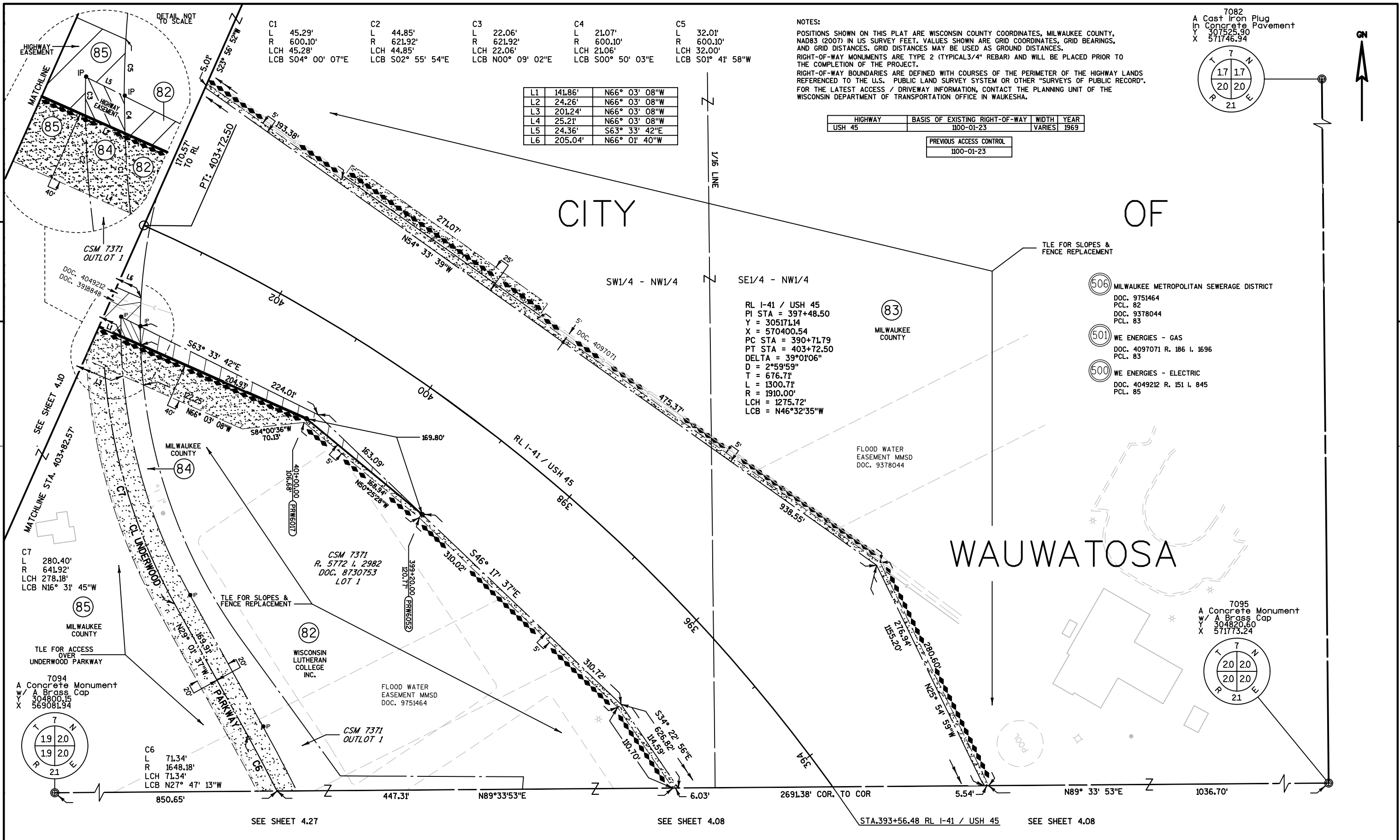
PREVIOUS ACCESS CONTROL
1100-01-23

4

4

# WAUWATOSA

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 4.08
	07-15-2014	0 50 100	COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-84		
	09-24-2014					
	04-02-2015					



C1	L 45.29'	C2	L 44.85'	C3	L 22.06'	C4	L 21.07'	C5	L 32.01'
	R 600.10'		R 621.92'		R 621.92'		R 600.10'		R 600.10'
	LCH 45.28'		LCH 44.85'		LCH 22.06'		LCH 21.06'		LCH 32.00'
	LCB S04° 00' 07\"E		LCB S02° 55' 54\"E		LCB N00° 09' 02\"E		LCB S00° 50' 03\"E		LCB S01° 41' 58\"W

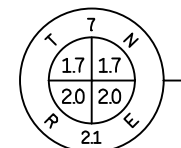
L1	141.86'	N66° 03' 08\"W
L2	24.26'	N66° 03' 08\"W
L3	201.24'	N66° 03' 08\"W
L4	25.21'	N66° 03' 08\"W
L5	24.36'	S63° 33' 42\"E
L6	205.04'	N66° 01' 40\"W

NOTES:  
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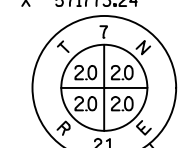
HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
USH 45	1100-01-23	VARIES	1969

PREVIOUS ACCESS CONTROL
1100-01-23

7082  
 A Cast Iron Plug  
 w/ Concrete Pavement  
 Y 307525.90  
 X 571746.94

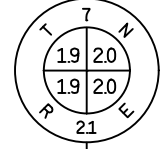


7095  
 A Concrete Monument  
 w/ A Brass Cap  
 Y 304820.60  
 X 571773.24



C7	L 280.40'
	R 641.92'
	LCH 278.18'
	LCB N16° 31' 45\"W

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



C6	L 71.34'
	R 1648.18'
	LCH 71.34'
	LCB N27° 47' 13\"W

REVISION DATE	DESCRIPTION
06-11-2015	
07-15-2014	
09-24-2014	
04-02-2015	

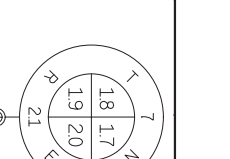
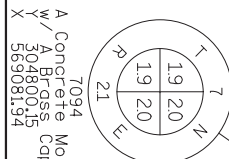
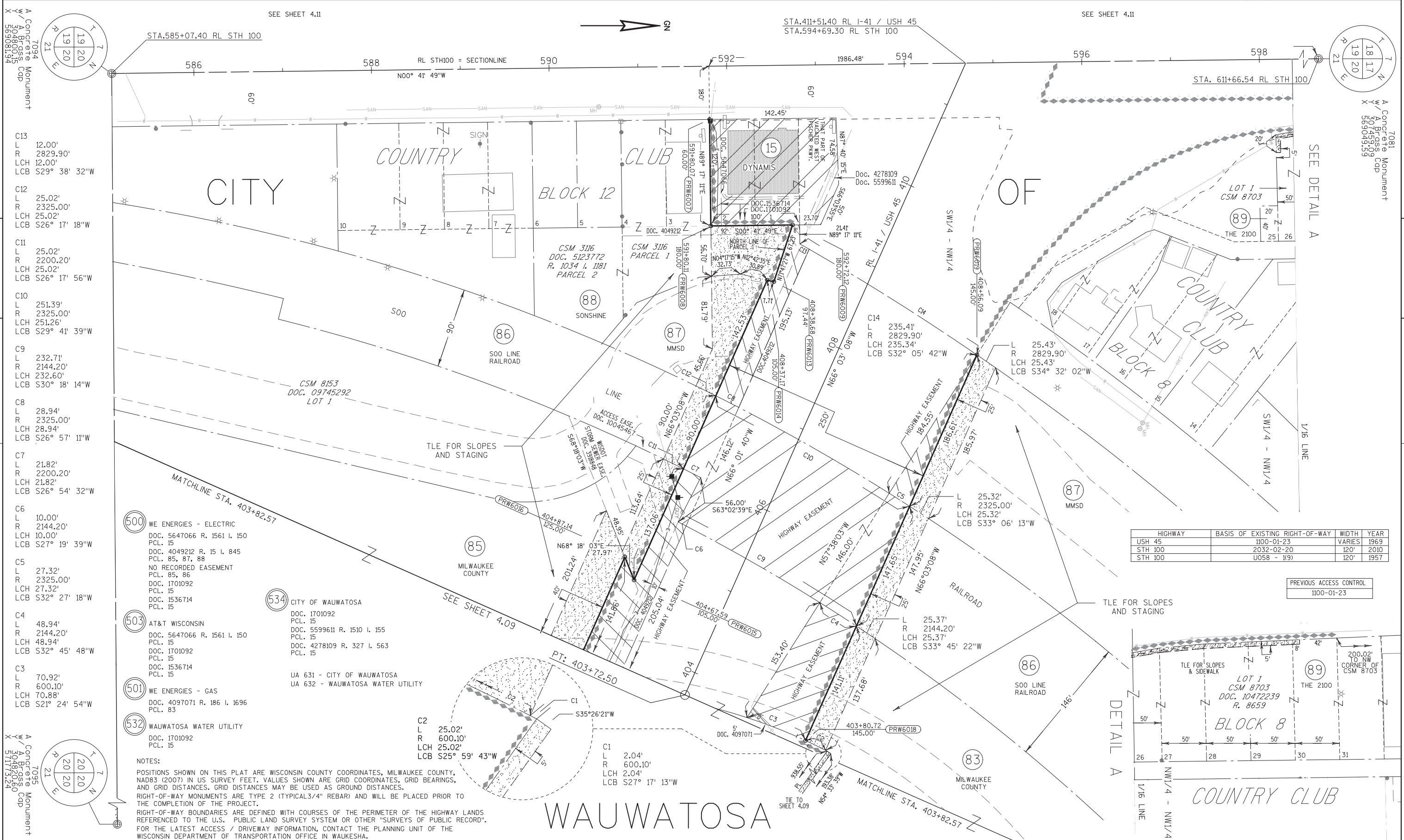


DATE 11-07-2013  
 COUNTY: MILWAUKEE

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

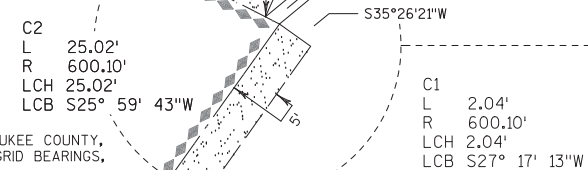
STATE R/W PROJECT NUMBER 1060-33-26

PLAT SHEET 4.09



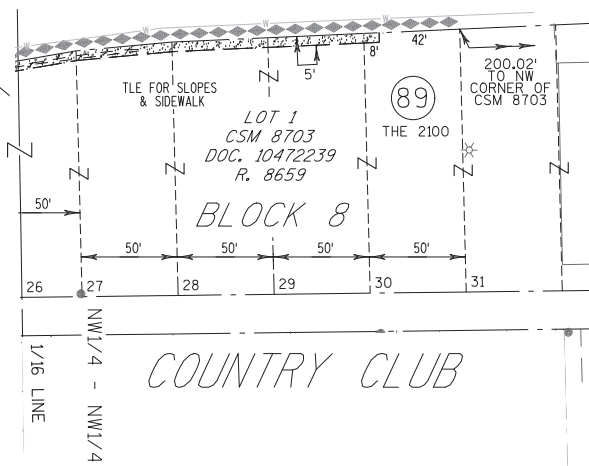
- C13  
L 12.00'  
R 2829.90'  
LCH 12.00'  
LCB S29° 38' 32"W
- C12  
L 25.02'  
R 2325.00'  
LCH 25.02'  
LCB S26° 17' 18"W
- C11  
L 25.02'  
R 2200.20'  
LCH 25.02'  
LCB S26° 17' 56"W
- C10  
L 251.39'  
R 2325.00'  
LCH 251.26'  
LCB S29° 41' 39"W
- C9  
L 232.71'  
R 2144.20'  
LCH 232.60'  
LCB S30° 18' 14"W
- C8  
L 28.94'  
R 2325.00'  
LCH 28.94'  
LCB S26° 57' 11"W
- C7  
L 21.82'  
R 2200.20'  
LCH 21.82'  
LCB S26° 54' 32"W
- C6  
L 10.00'  
R 2144.20'  
LCH 10.00'  
LCB S27° 19' 39"W
- C5  
L 27.32'  
R 2325.00'  
LCH 27.32'  
LCB S32° 27' 18"W
- C4  
L 48.94'  
R 2144.20'  
LCH 48.94'  
LCB S32° 45' 48"W
- C3  
L 70.92'  
R 600.10'  
LCH 70.88'  
LCB S21° 24' 54"W

- (500) WE ENERGIES - ELECTRIC  
DOC. 5647066 R. 1561 I. 150  
PCL. 15  
DOC. 4049212 R. 15 I. 845  
PCL. 85, 87, 88  
NO RECORDED EASEMENT  
PCL. 85, 86  
DOC. 1701092  
PCL. 15  
DOC. 1536714  
PCL. 15
- (534) CITY OF WAUWATOSA  
DOC. 1701092  
PCL. 15  
DOC. 5599611 R. 1510 I. 155  
PCL. 15  
DOC. 4278109 R. 327 I. 563  
PCL. 15
- (503) AT&T WISCONSIN  
DOC. 5647066 R. 1561 I. 150  
PCL. 15  
DOC. 1701092  
PCL. 15  
DOC. 4278109 R. 327 I. 563  
PCL. 15
- (501) WE ENERGIES - GAS  
DOC. 4097071 R. 186 I. 1696  
PCL. 83
- (532) WAUWATOSA WATER UTILITY  
DOC. 1701092  
PCL. 15

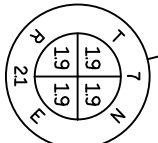


HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
USH 45	1100-01-23	VARIABLE	1969
STH 100	2032-02-20	120'	2010
STH 100	U058 - 1(9)	120'	1957

PREVIOUS ACCESS CONTROL  
1100-01-23



REVISION DATE 04-02-2015 06-11-2015 10-27-2016	SCALE, FEET 0 50 100	DATE 09-24-2014	HWY: I-41 / USH 45	STATE R/W PROJECT NUMBER 1060-33-26	PLAT SHEET 4.10
		COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-84		



7093  
A Concrete Monument  
w/ A Brass Cap  
X 56642107

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.  
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# CITY OF WAUWATOSA

- (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

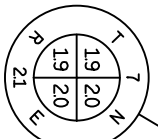
RL I-41/USH 45  
PI STA = 427+95.81  
Y = 306429.45  
X = 567567.39  
PC STA = 416+48.94  
PT STA = 436+86.55  
DELTA = 65°35'16"  
D = 3°13'08"  
L = 1146.86'  
T = 2037.60'  
R = 1780.00'  
LCH = 1928.16'  
LCB = N33°15'30"W

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

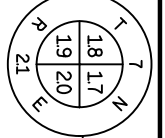
PREVIOUS ACCESS CONTROL  
1100-01-23

# WAUWATOSA

7094  
A Concrete Monument  
w/ A Brass Cap  
X 56908194



7081  
A Concrete Monument  
w/ A Brass Cap  
X 56908194



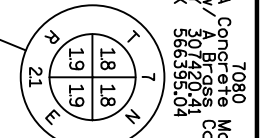
REVISION DATE	06-11-2015	SCALE, FEET	DATE	11-07-2013	HWY:	I-41 / USH 45	STATE R/W PROJECT NUMBER	1060-33-26	PLAT SHEET	4.11
	07-15-2014									
	09-24-2014									
	04-02-2015									
			COUNTY:	MILWAUKEE	CONSTRUCTION PROJECT NUMBER	1060-33-84, 1060-33-86				

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

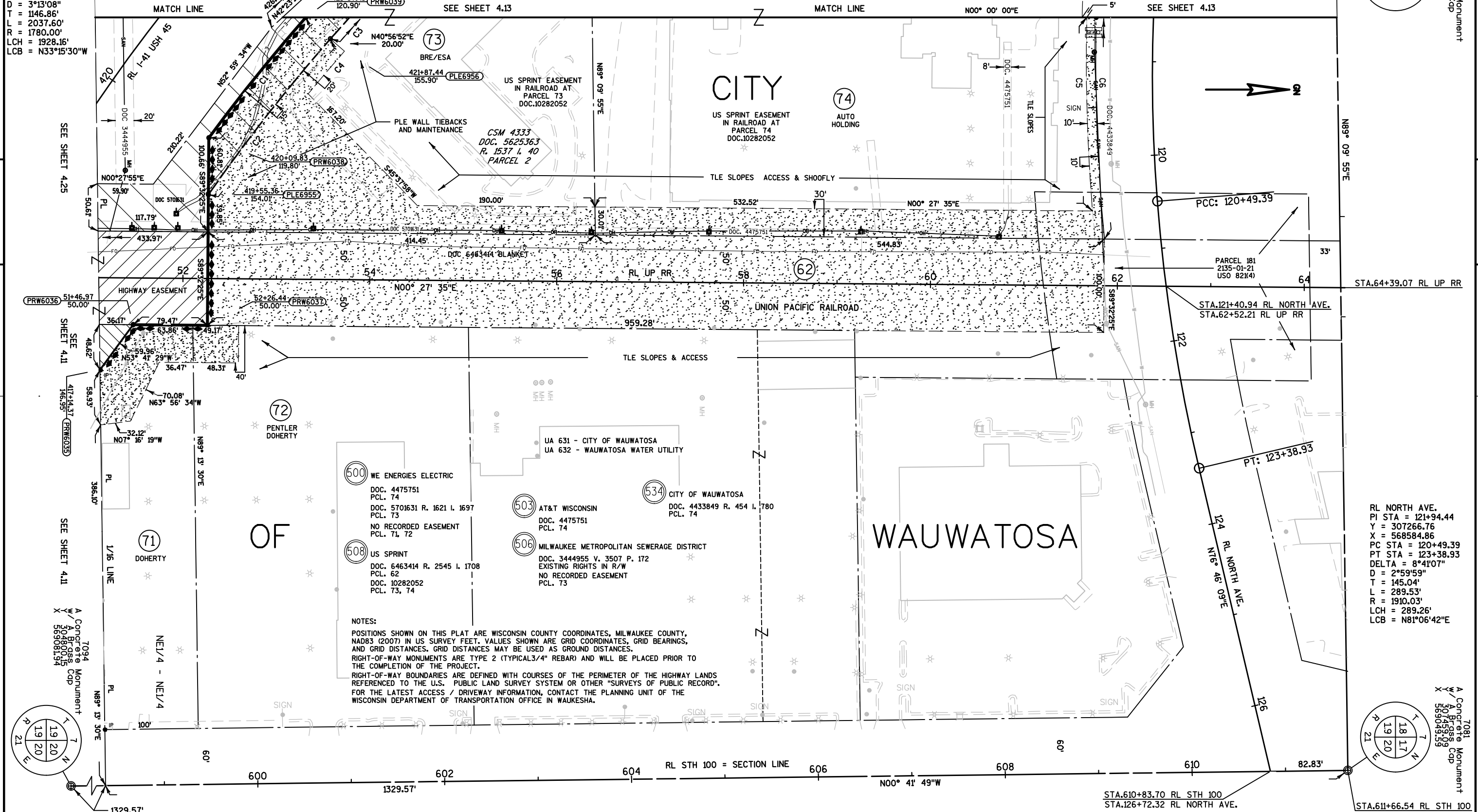
C1 L 165.56' R 1927.13' LCH 165.51' LCB S51° 11' 51"E	C2 L 211.83' R 1892.13' LCH 211.72' LCB S51° 56' 37"E	C3 L 378.97' R 1876.52' LCH 378.32' LCB S42° 58' 49"E	C4 L 60.00' R 1872.13' LCH 60.00' LCB N49° 39' 04"W	C5 L 207.42' R 1979.86' LCH 207.33' LCB N88° 18' 45"E	C6 L 237.65' R 1969.86' LCH 237.51' LCB N87° 51' 54"E
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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 - (19)	120'	1957
NORTH AVE.	2135-01-21	US0821 (4)	1957
NORTH AVE.	U058 - (19)	VARIES	1957

PREVIOUS ACCESS CONTROL  
1100-01-23



7080  
Concrete Monument  
Y = 507420.41  
X = 566395.04  
Cap



NOTES:  
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RL NORTH AVE.  
 PI STA = 121+94.44  
 Y = 307266.76  
 X = 568584.86  
 PC STA = 120+49.39  
 PT STA = 123+38.93  
 DELTA = 8°41'07"  
 D = 2°59'59"  
 T = 145.04'  
 L = 289.53'  
 R = 1910.03'  
 LCH = 289.26'  
 LCB = N81°06'42"E

7081  
Concrete Monument  
Y = 507459.09  
X = 569049.59  
Cap

REVISION DATE	DESCRIPTION
06-11-2015	
07-15-2014	
09-24-2014	
04-02-2015	



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		

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

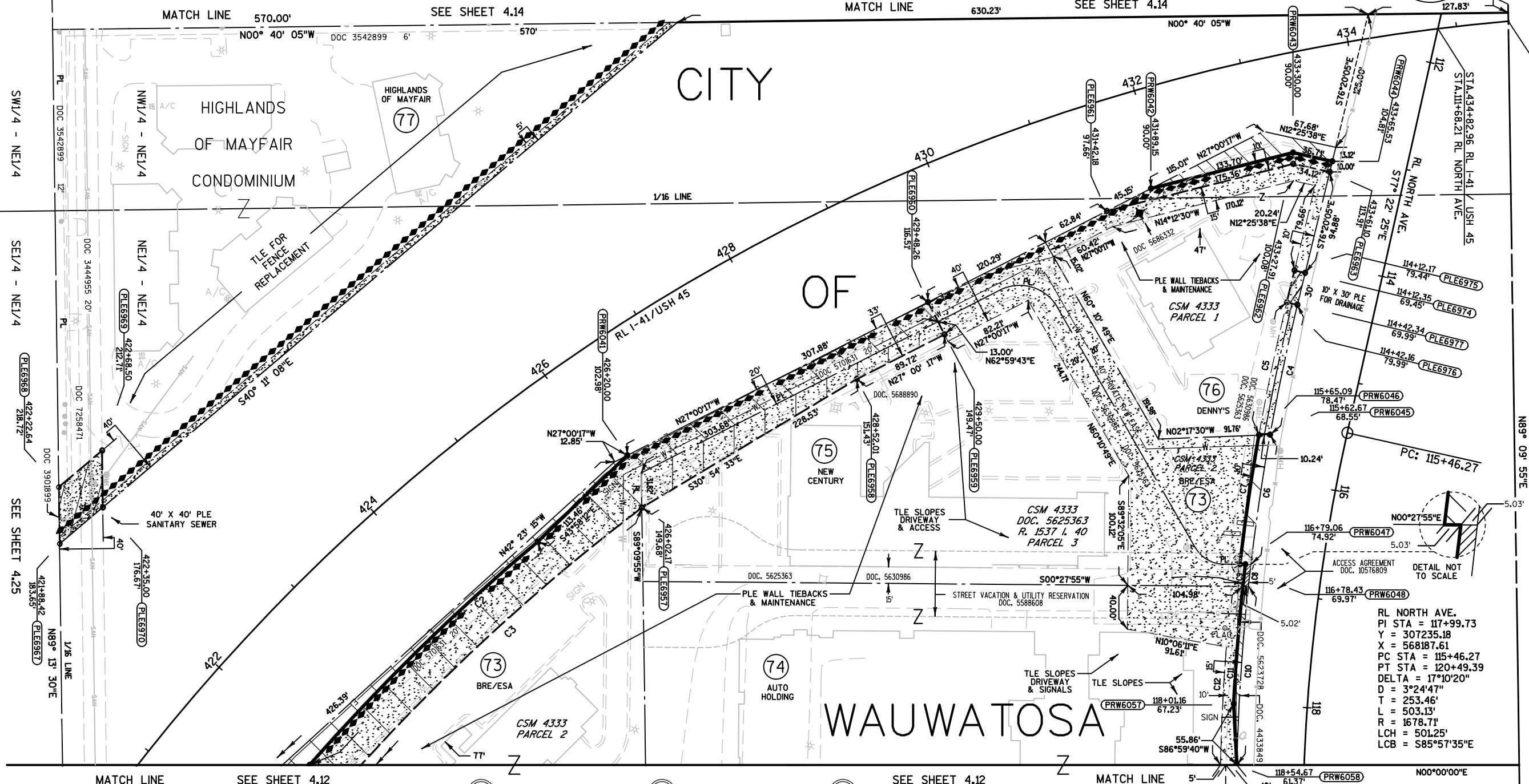
PREVIOUS ACCESS CONTROL
1100-01-23

(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

7090 Concrete Monument  
 STA. 435+47.54 RL I-41 / USH 45  
 X = 307420.41  
 Y = 566395.04



NOTES:  
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(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

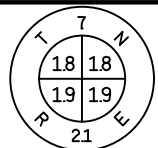
7091 Concrete Monument  
 STA. 435+47.54 RL I-41 / USH 45  
 X = 307420.41  
 Y = 566395.04

REVISION DATE	SCALE, FEET
06-11-2015	0 50 100
07-15-2014	
09-24-2014	
04-02-2015	

DATE	HWY:	STATE R/W PROJECT NUMBER	PLAT SHEET
11-07-2013	I-41 / USH 45	1060-33-26	4.13
COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER	1060-33-84, 1060-34-76	

DATE	HWY:	STATE R/W PROJECT NUMBER	PLAT SHEET
11-07-2013	I-41 / USH 45	1060-33-26	4.13
COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER	1060-33-84, 1060-34-76	

7080  
A Concrete Monument  
w/ A Brass Cap  
307420.41  
566395.04

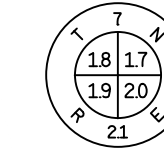


SEE SHEET 4.16

DETAILS NOT TO SCALE

SEE SHEET 4.16

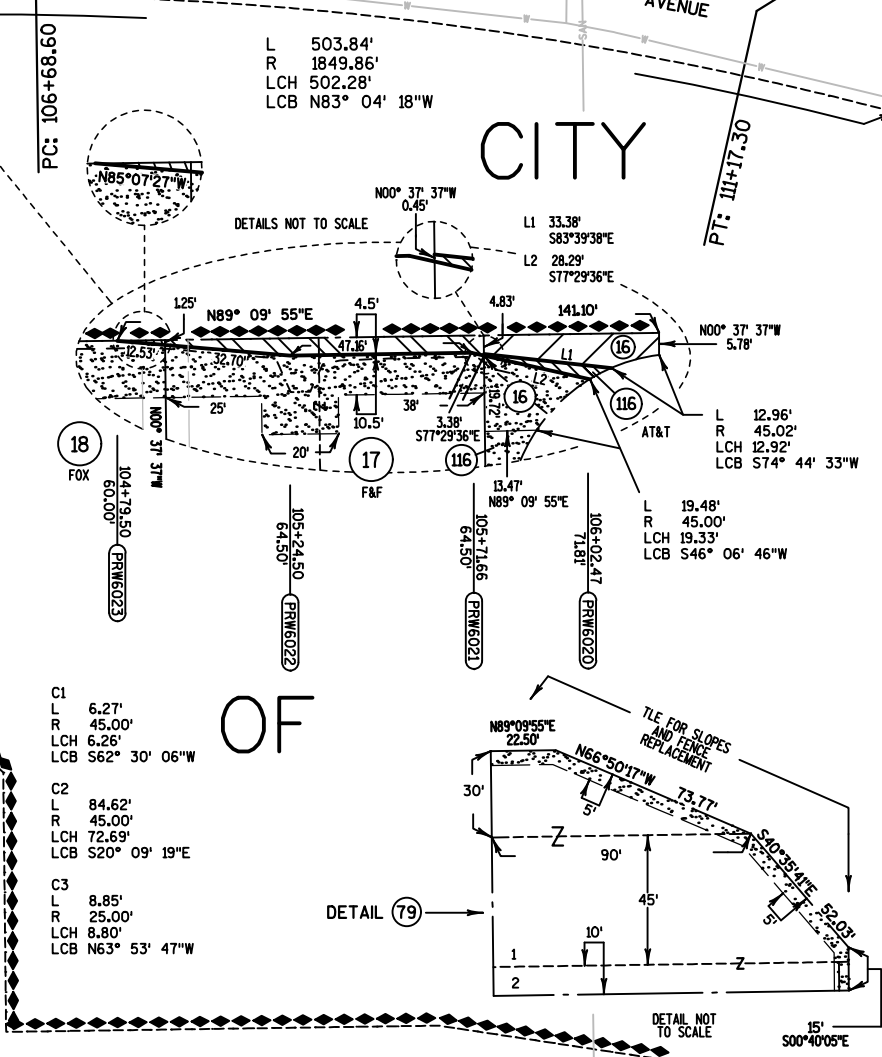
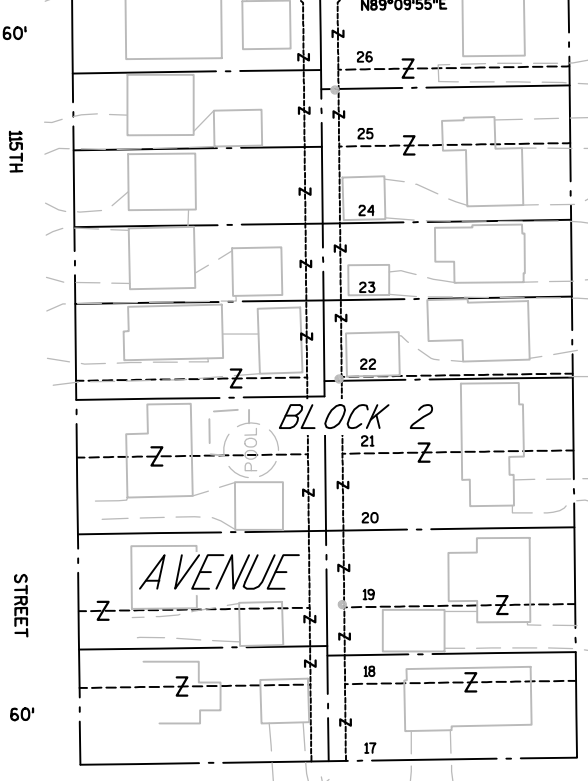
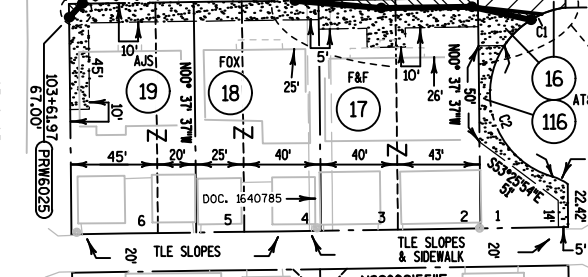
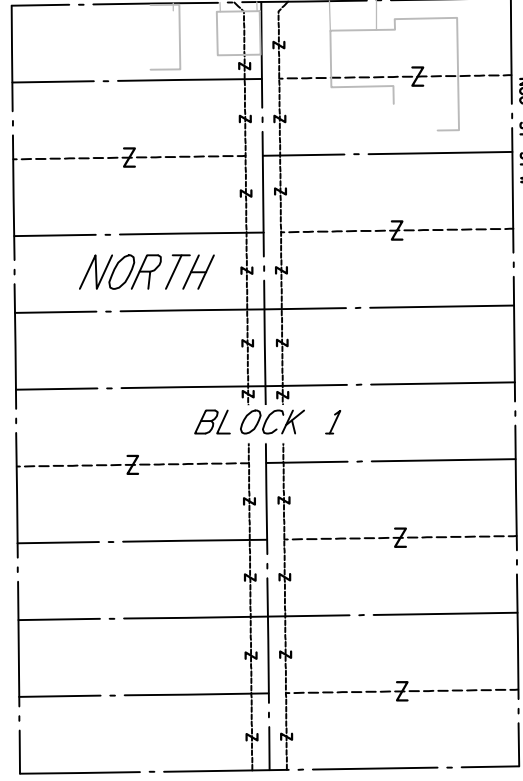
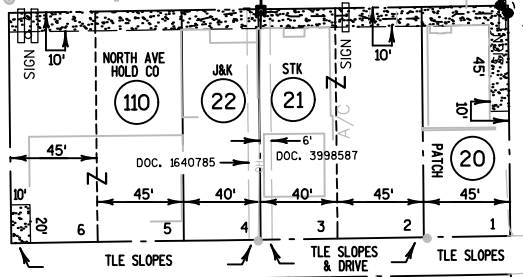
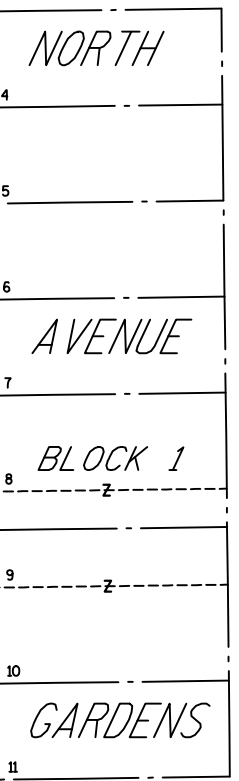
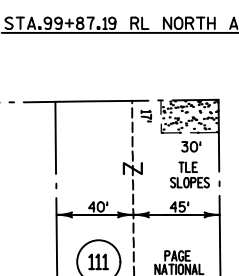
7081  
A Concrete Monument  
w/ A Brass Cap  
307459.09  
569049.59



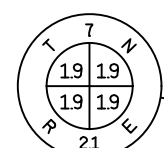
RL NORTH AVE.  
PI STA = 108+93.99  
Y = 307433.62  
X = 567301.74  
PC STA = 106+68.60  
PT STA = 111+17.30  
DELTA = 13°27'40"  
D = 3°00'00"  
T = 225.39'  
L = 448.71'  
R = 1909.85'  
LCH = 447.67'  
LCB = S84°06'15"W

- (500) WE ENERGIES - ELECTRIC  
DOC. 3998587 R. 62 I. 64  
PCL. 21  
DOC. 1640785  
PCL. 17, 18, 21, 22, 79  
DOC. 3868316 D. 4123 P. 114  
PCL. 78, 79
- (503) AT&T WISCONSIN  
DOC. 3998587 R. 62 I. 64  
PCL. 21  
DOC. 1640785  
PCL. 17, 18, 21, 22, 79  
DOC. 3868316 D. 4123 P. 114  
PCL. 78, 79

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



7093  
A Concrete Monument  
w/ A Brass Cap  
304766.97  
566424.07



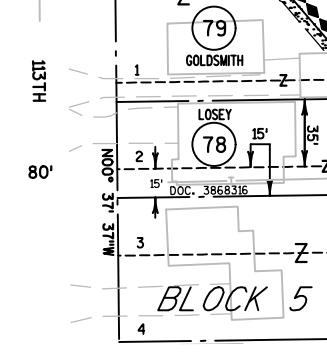
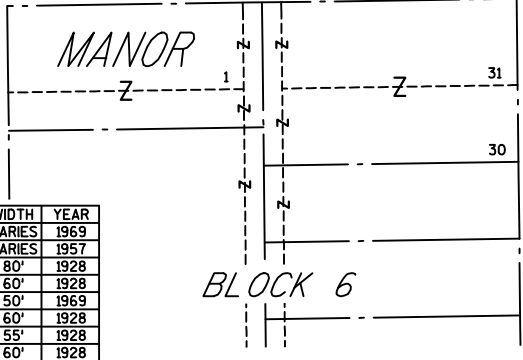
PREVIOUS ACCESS CONTROL  
1100-01-23

NOTES:  
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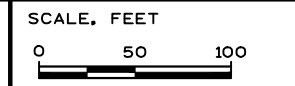
HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
USH 45	1100-01-23	VARIABLE	1969
NORTH AVENUE	US0821 (4)	VARIABLE	1957
113TH STREET	NORTH AVENUE MANOR	80'	1928
114TH STREET	NORTH AVENUE MANOR	60'	1928
114TH STREET	1100-01-23	50'	1969
115TH STREET	NORTH AVENUE MANOR	60'	1928
116TH STREET	NORTH AVENUE MANOR	55'	1928
GARFIELD AVENUE	NORTH AVENUE MANOR	60'	1928

# WAUWATOSA

NW1/4 - NE1/4



REVISION DATE	DATE
06-11-2015	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

STATE R/W PROJECT NUMBER 1060-33-26

PLAT SHEET 4.14



MATCH LINE = CENTERLINE MEINEKE AVE.

SEE SHEET 4.17

1/16 LINE

NE1/4 - SE1/4

SE1/4 - SE1/4

CITY

OF

WAUWATOSA

4

4

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

NOTES:

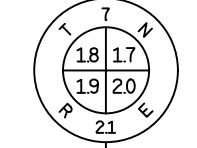
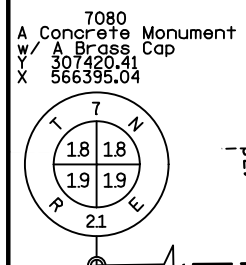
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HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
USH 45	T03 - 1 (57)	VARIABLES	1965
USH 45	1100-01-23	VARIABLES	1969
112TH STREET	T03 - 1 (57)	50'	1965
112TH STREET	1100-01-23	50'	1969

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	SCALE, FEET
06-11-2015	0 50 100
07-15-2014	
09-24-2014	
04-02-2015	

11-07-2013
COUNTY: MILWAUKEE

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

STATE R/W PROJECT NUMBER 1060-33-26
CONSTRUCTION PROJECT NUMBER 1060-33-84

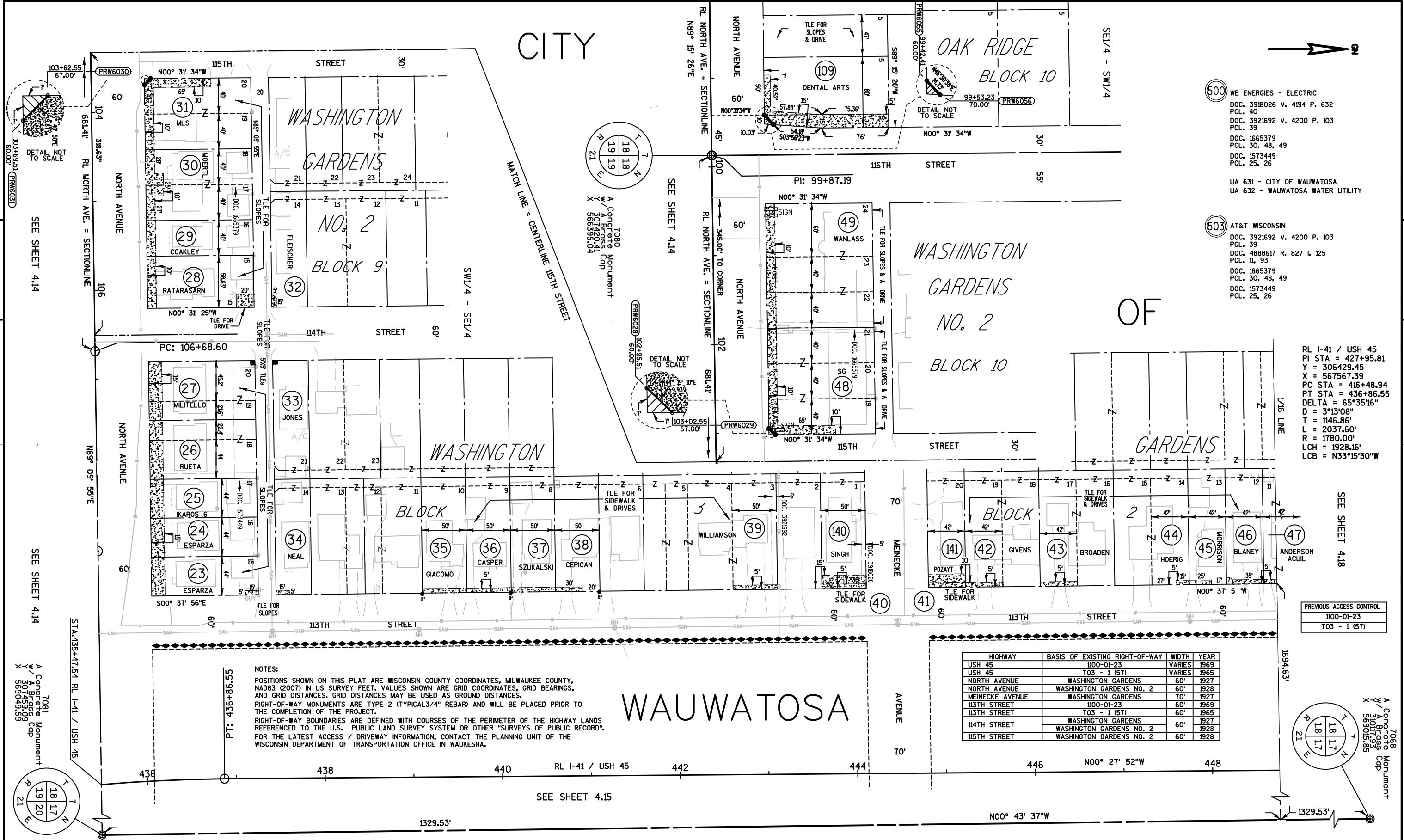
PLAT SHEET 4.15
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STATE R/W PROJECT NUMBER 1060-33-26
CONSTRUCTION PROJECT NUMBER 1060-33-84



CITY

WAUWATOSA



500 WE ENERGIES - ELECTRIC  
 DOC. 3918026 V. 4194 P. 632  
 PCL. 40  
 DOC. 3921692 V. 4200 P. 103  
 PCL. 39  
 DOC. 1665379  
 PCL. 30, 48, 49  
 DOC. 1573449  
 PCL. 25, 26

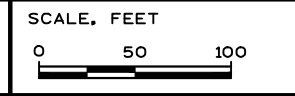
503 AT&T WISCONSIN  
 DOC. 3921692 V. 4200 P. 103  
 PCL. 39  
 DOC. 4888617 R. 827 I. 125  
 PCL. 11, 93  
 DOC. 1665379  
 PCL. 30, 48, 49  
 DOC. 1573449  
 PCL. 25, 26

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

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
USH 45	1100-01-23	VARIES	1969
USH 45	TO3 - 1 (57)	VARIES	1965
NORTH AVENUE	WASHINGTON GARDENS	60'	1927
NORTH AVENUE	WASHINGTON GARDENS NO. 2	60'	1928
MEINECKE AVENUE	WASHINGTON GARDENS	70'	1927
113TH STREET	1100-01-23	60'	1969
113TH STREET	TO3 - 1 (57)	60'	1965
114TH STREET	WASHINGTON GARDENS	60'	1927
115TH STREET	WASHINGTON GARDENS NO. 2	60'	1928
115TH STREET	WASHINGTON GARDENS NO. 2	60'	1928

NOTES:  
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REVISION DATE	DESCRIPTION
06-11-2015	
07-15-2014	
09-24-2014	
04-02-2015	



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 4.16

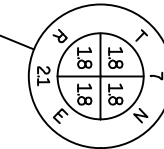
SEE SHEET 4.18

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
USH 45	T03 - 1 (57)	290'	1965
112TH STREET	T03 - 1 (57)	50'	1965
CENTER STREET	FISHER'S WOODS DOC. 2132986	45'	1937
CLARKE STREET	FISHER'S WOODS DOC. 2132986	70'	1937

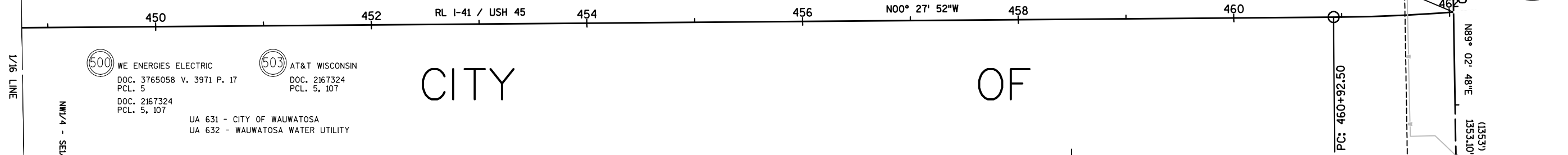
PREVIOUS ACCESS CONTROL
T03 - 1 (57)

SEE SHEET 4.18

7087  
Monohole Rim  
w/ 3107599  
x 56637068



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



500 WE ENERGIES ELECTRIC  
DOC. 3765058 V. 3971 P. 17  
PCL. 5  
DOC. 2167324  
PCL. 5, 107

503 AT&T WISCONSIN  
DOC. 2167324  
PCL. 5, 107

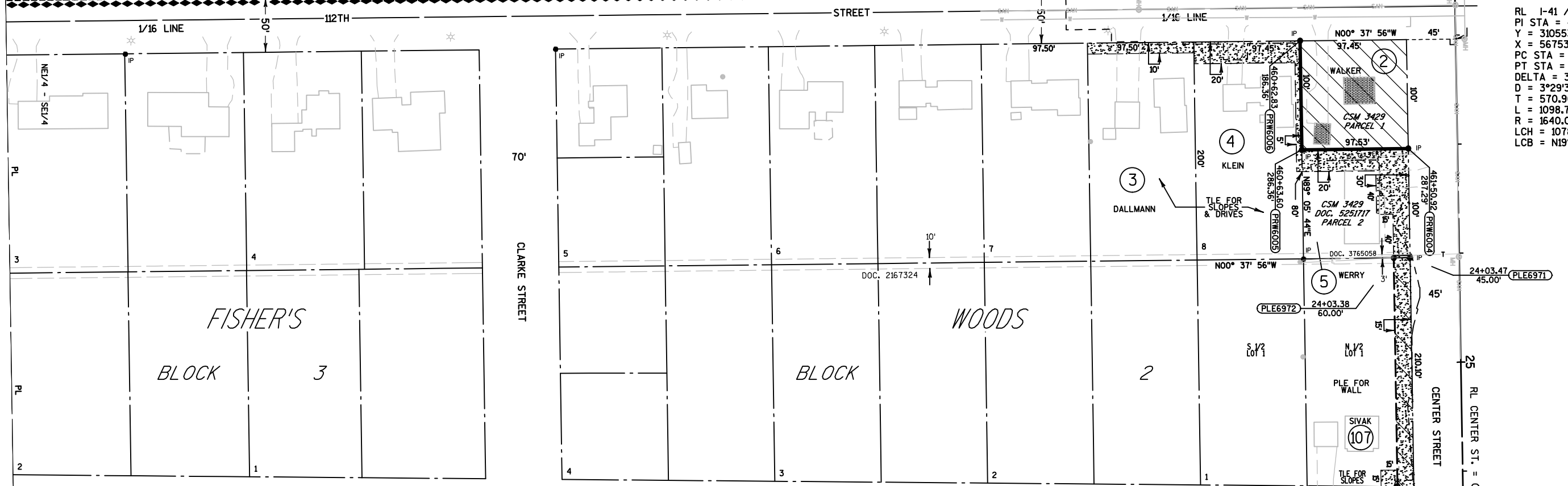
UA 631 - CITY OF WAUWATOSA  
UA 632 - WAUWATOSA WATER UTILITY

# CITY OF

RL I-41 / USH 45  
PI STA = 466+63.40  
Y = 310553.03  
X = 567533.95  
PC STA = 460+92.50  
PT STA = 471+91.27  
DELTA = 38°23'14"  
D = 3°29'37"  
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R = 1640.00'  
LCH = 1078.34'  
LCB = N19°39'29\"/>

4

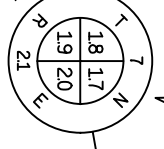
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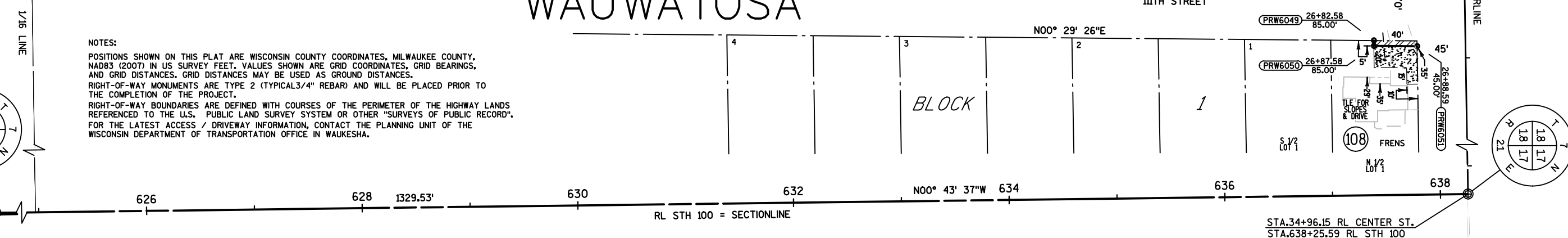
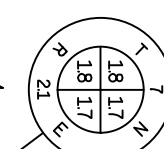
# WAUWATOSA

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



7088  
A Concrete Monument  
w/ 3107599  
x 56905185



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	4.17
	07-15-2014				COUNTY:	MILWAUKEE	CONSTRUCTION PROJECT NUMBER	1060-33-84, 1060-34-84, 1060-34-85		
	09-24-2014									
	04-02-2015									

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

114TH STREET

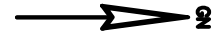
WASHINGTON  
BLOCK 2

113TH STREET

115TH STREET

CLARKE

NW1/4 - SE1/4



OF

BLOCK 7

GARDENS NO. 2

STREET

STREET

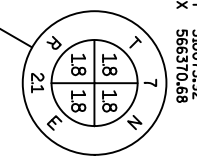
BLOCK 1

GARDENS

STREET

CL 115TH STREET  
N00° 31' 34"W

SEE SHEET 4.23



A Monhole Rim  
w/ 4 Chisled V's  
X 30073.92  
Y 566370.68

SEE SHEET 4.20

STA.15+14.36 RL CENTER ST.  
STA.126+54.99 114TH ST.

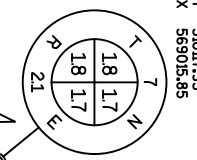
SEE SHEET 4.20

RL I-41 / USH 45  
PI STA = 466+63.40  
Y = 310553.03  
X = 567533.95  
PC STA = 460+92.50  
PT STA = 471+91.27  
DELTA = 38°23'14"  
D = 3°29'37"  
T = 570.90'  
L = 1098.77'  
R = 1640.00'  
LCH = 1078.34'  
LCB = N19°39'29"W

STREET

PC: 460+92.50

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



A Concrete Monument  
w/ 4 Brass Cpd  
X 31017.93  
Y 569015.85

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. 4888617 R. 827 I. 125  
PCL. 11, 93  
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

WAUWATOSA

SEE SHEET 4.17

SEE SHEET 4.17

STA. 34+96.15 RL CENTER ST.

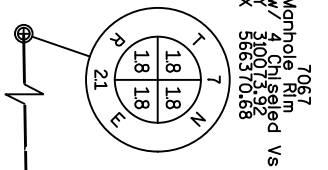
REVISION DATE	SCALE, FEET
06-11-2015	0 50 100
07-15-2014	
09-24-2014	
04-02-2015	

11-07-2013  
COUNTY: MILWAUKEE

HWY: I-41 / USH 45  
CONSTRUCTION PROJECT NUMBER

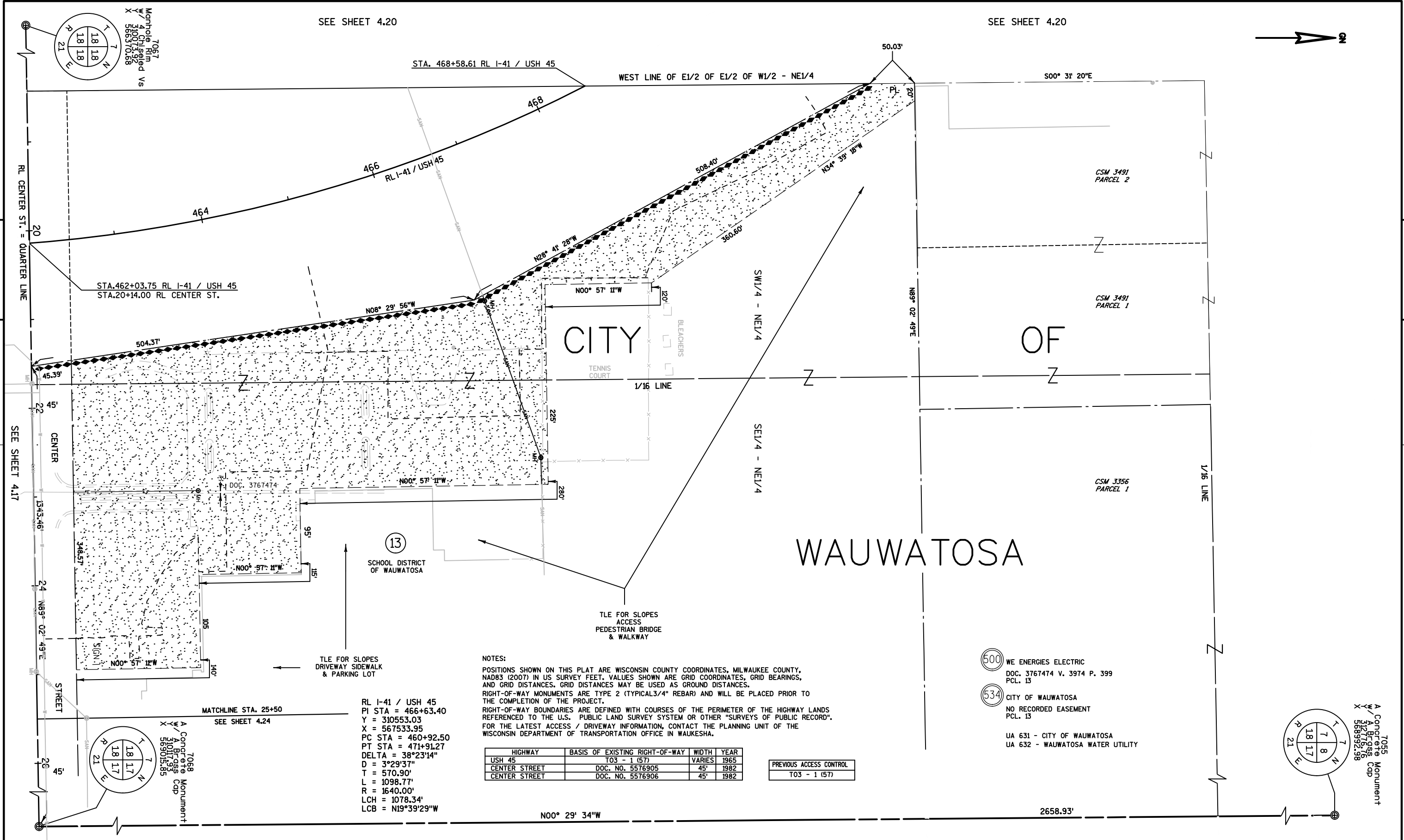
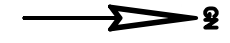
STATE R/W PROJECT NUMBER 1060-33-26  
1060-33-84 1060-34-84 1060-35-85

PLAT SHEET 4.18



SEE SHEET 4.20

SEE SHEET 4.20



4

4

SEE SHEET 4.17

MATCHLINE STA. 25+50  
SEE SHEET 4.24

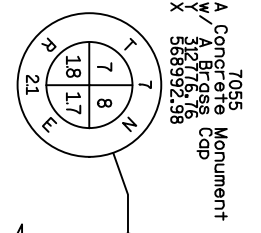
RL I-41 / USH 45  
PI STA = 466+63.40  
Y = 310553.03  
X = 567533.95  
PC STA = 460+92.50  
PT STA = 471+91.27  
DELTA = 38°23'14"  
D = 3°29'37"  
T = 570.90'  
L = 1098.77'  
R = 1640.00'  
LCH = 1078.34'  
LCB = N19°39'29"W

NOTES:  
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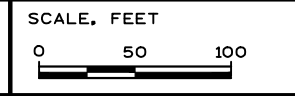
HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
USH 45	TO3 - 1 (57)	VARIES	1965
CENTER STREET	DOC. NO. 5576905	45'	1982
CENTER STREET	DOC. NO. 5576906	45'	1982

PREVIOUS ACCESS CONTROL
TO3 - 1 (57)

- (500) WE ENERGIES ELECTRIC  
DOC. 3767474 V. 3974 P. 399  
PCL. 13
- (534) CITY OF WAUWATOSA  
NO RECORDED EASEMENT  
PCL. 13
- UA 631 - CITY OF WAUWATOSA
- UA 632 - WAUWATOSA WATER UTILITY



REVISION DATE	DESCRIPTION
06-11-2015	
07-15-2014	
09-24-2014	
04-02-2015	

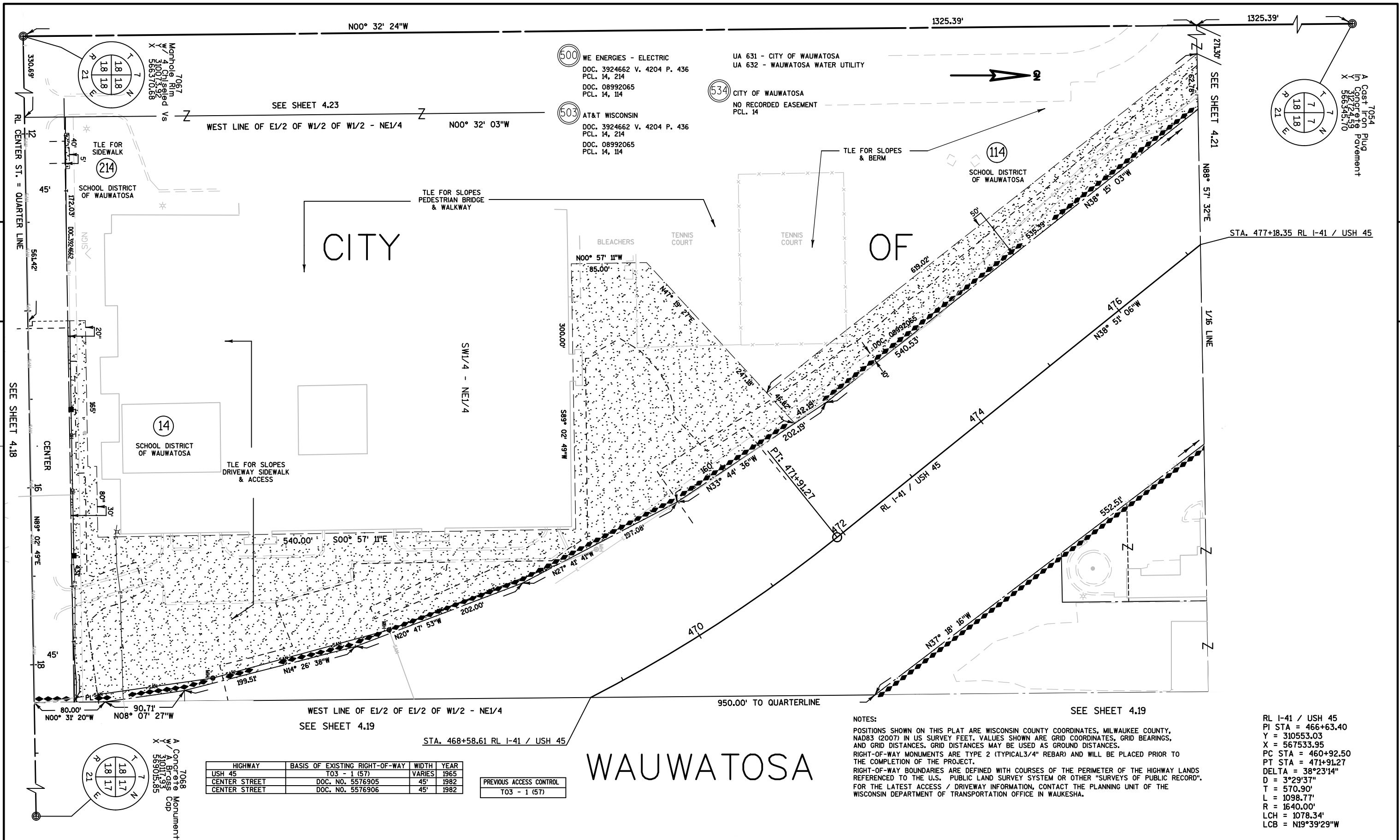


DATE 11-07-2013  
COUNTY: MILWAUKEE

HWY: I-41 / USH 45  
CONSTRUCTION PROJECT NUMBER 1060-33-83 1060-34-84 1060-33-84

STATE R/W PROJECT NUMBER 1060-33-26  
CONSTRUCTION PROJECT NUMBER 1060-33-83 1060-34-84 1060-33-84

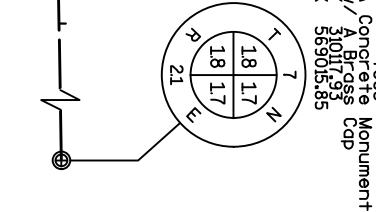
PLAT SHEET 4.19



- (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
- (534) CITY OF WAUWATOSA  
NO RECORDED EASEMENT  
PCL. 14
- (114) SCHOOL DISTRICT OF WAUWATOSA

4

4



HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
USH 45	TO3 - 1 (57)	VARIES	1965
CENTER STREET	DOC. NO. 5576905	45'	1982
CENTER STREET	DOC. NO. 5576906	45'	1982

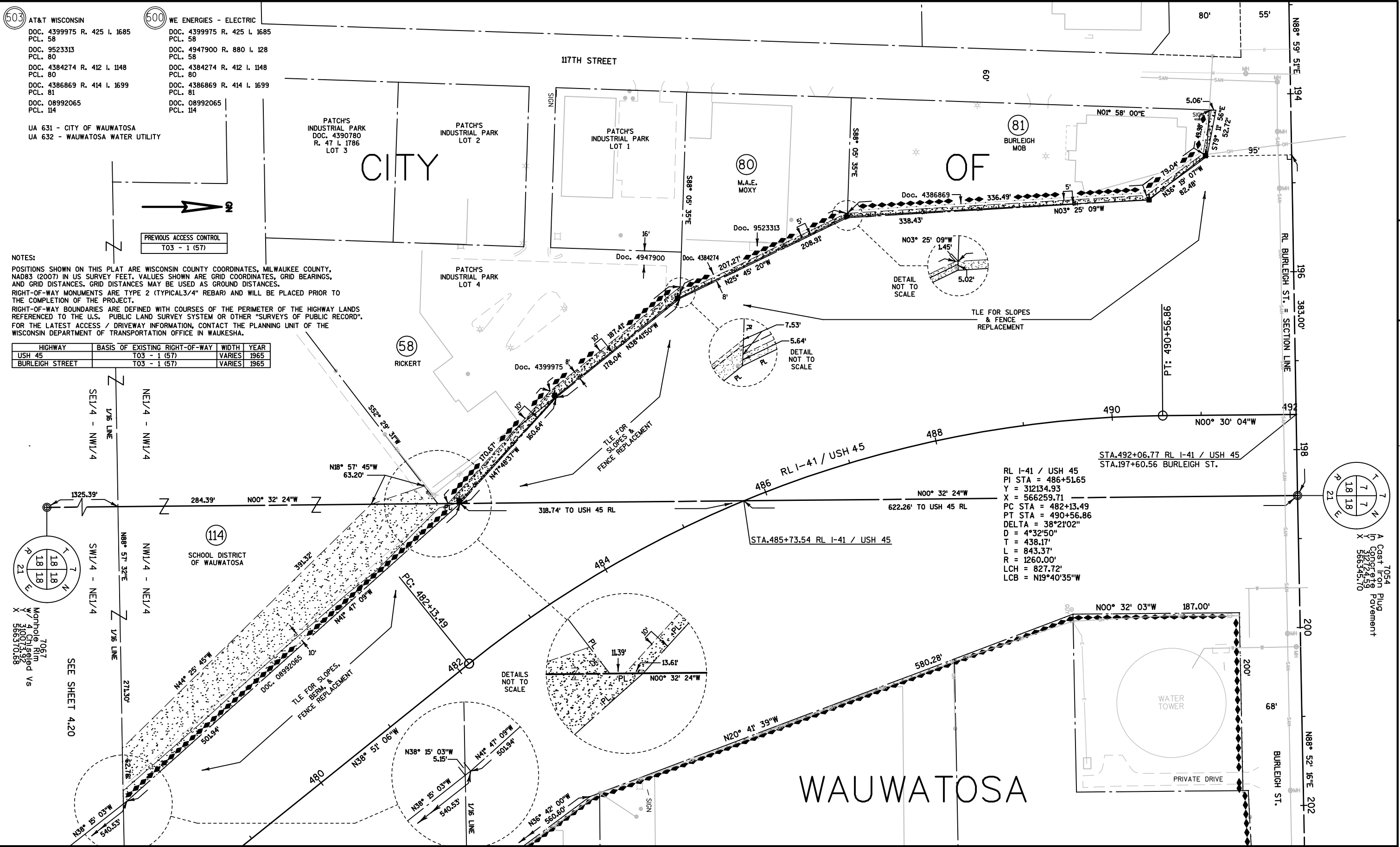
PREVIOUS ACCESS CONTROL  
TO3 - 1 (57)

# WAUWATOSA

NOTES:  
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RL I-41 / USH 45  
PI STA = 466+63.40  
Y = 310553.03  
X = 567533.95  
PC STA = 460+92.50  
PT STA = 471+91.27  
DELTA = 38°23'14"  
D = 3°29'37"  
T = 570.90'  
L = 1098.77'  
R = 1640.00'  
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REVISION DATE 07-15-2014 09-24-2014 04-02-2015	06-11-2015 10-27-2016 10-31-2019			SCALE, FEET 0 50 100	11-07-2013 COUNTY: MILWAUKEE	HWY: I-41 / USH 45 CONSTRUCTION PROJECT NUMBER 1060-33-83 1060-34-84 1060-33-84 1060-35-85, 1060-34-74	STATE R/W PROJECT NUMBER 1060-33-26	PLAT SHEET 4.20
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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

PATCH'S INDUSTRIAL PARK  
 DOC. 4390780 R. 47 I. 1786 LOT 3

PATCH'S INDUSTRIAL PARK LOT 2

PATCH'S INDUSTRIAL PARK LOT 1

PATCH'S INDUSTRIAL PARK LOT 4

CITY

81 BURLEIGH MOB

80 M.A.E. MOXY

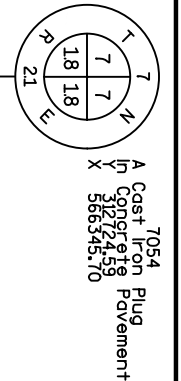
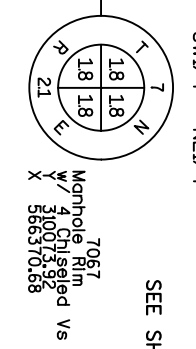
58 RICKERT

114 SCHOOL DISTRICT OF WAUWATOSA

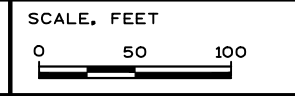
WAUWATOSA

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



REVISION DATE	DESCRIPTION
06-11-2015	
07-15-2014	
09-24-2014	
04-02-2015	



DATE 11-07-2013  
 COUNTY: MILWAUKEE

HWY: I-41 / USH 45  
 CONSTRUCTION PROJECT NUMBER 1060-33-84, 1060-34-74

STATE R/W PROJECT NUMBER 1060-33-26  
 PLOT DATE: 11/1/2019 3:11 PM

PLAT SHEET 4.21  
 SHEET 4.22 OMITTED

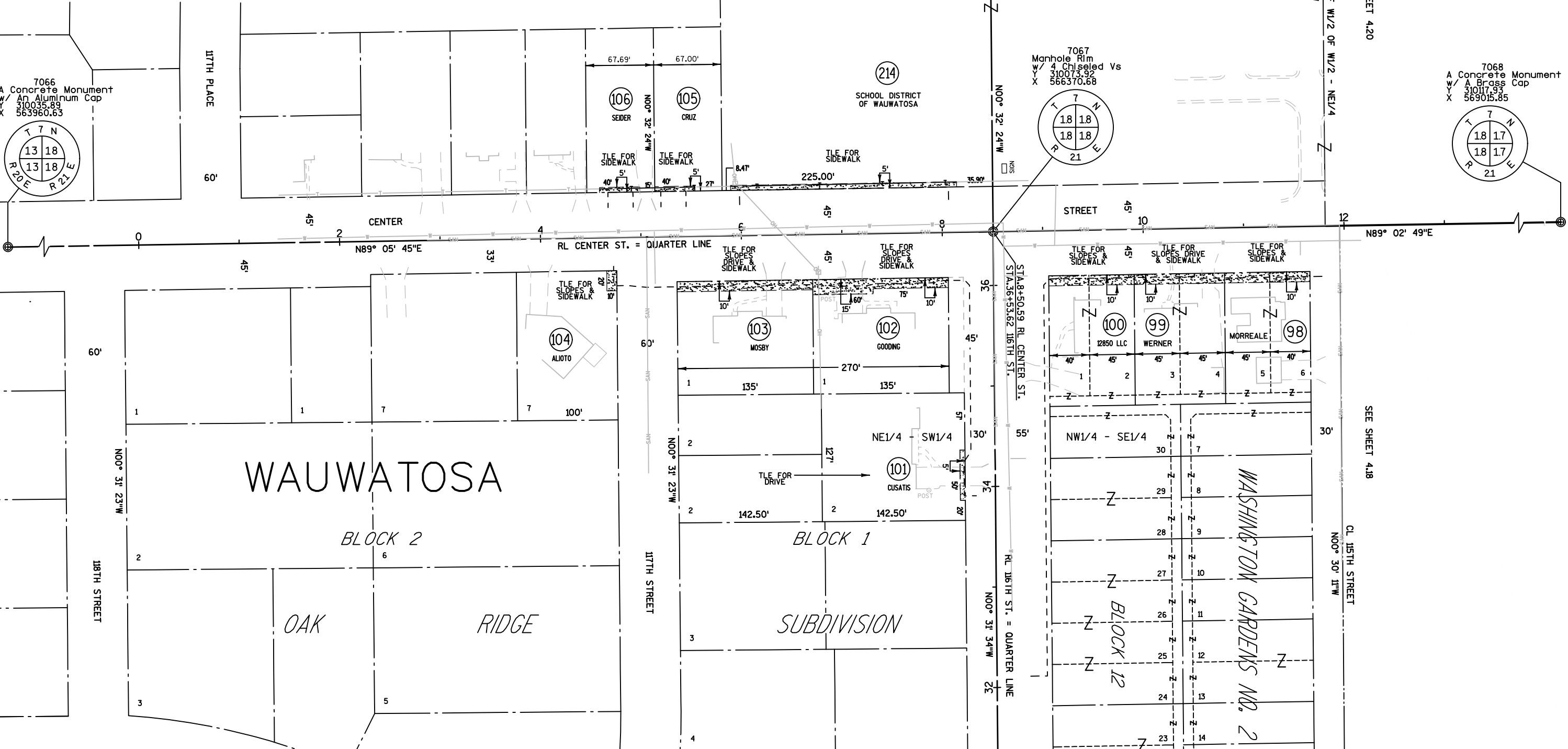
NOTES:

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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

CITY

OF



REVISION DATE	DESCRIPTION
06-11-2015	
07-15-2014	
09-24-2014	
04-02-2015	

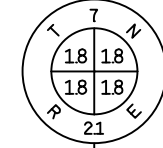


DATE 11-07-2013	HWY: I-41 / USH 45	STATE R/W PROJECT NUMBER 1060-33-26	PLAT SHEET 4.23
COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-35-85	SHEET 4.24 OMITTED	

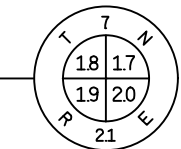
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7067  
 Manhole Rim  
 w/ 4 Chiseled Vs  
 Y 310073.92  
 X 566370.68



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

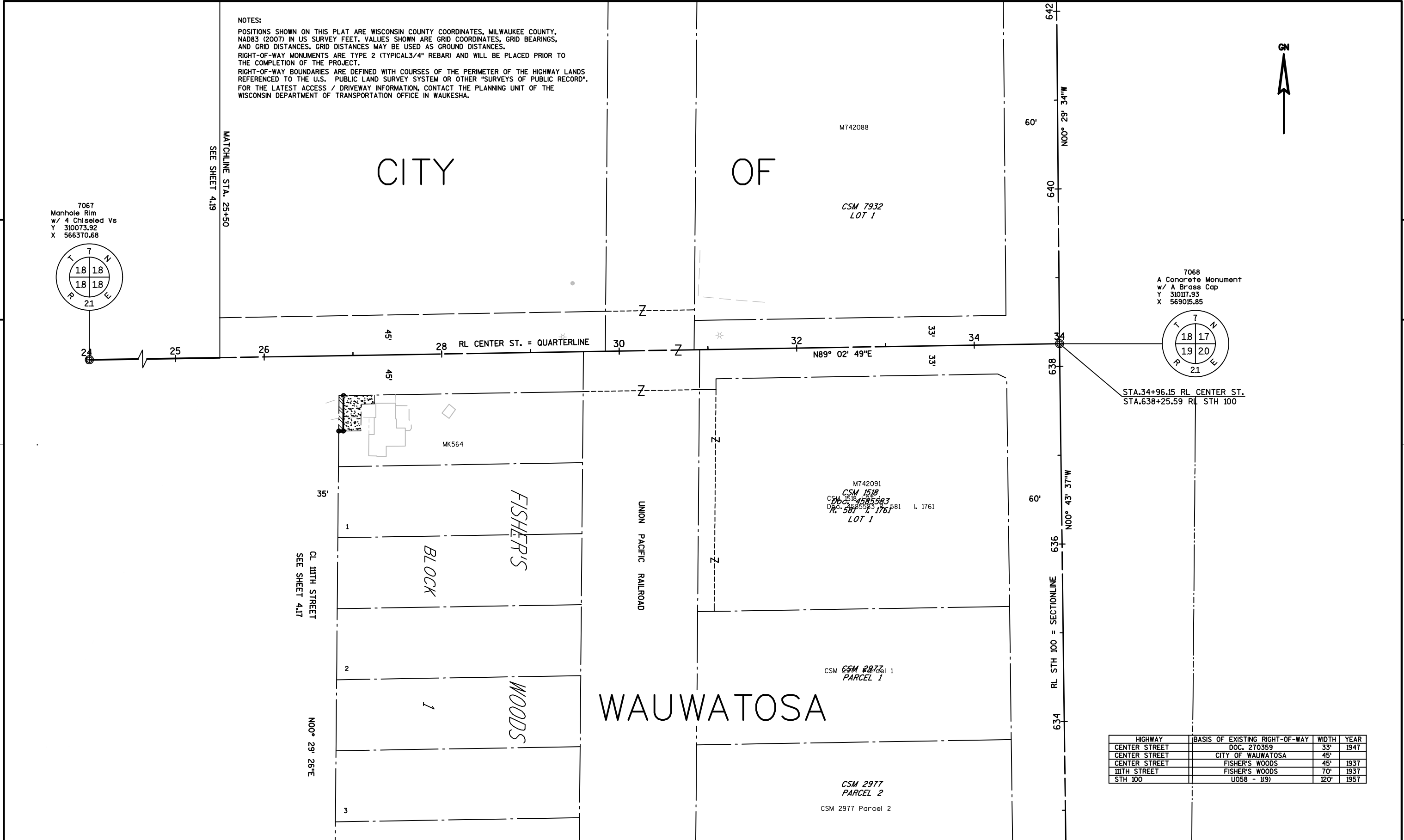


STA.34+96.15 RL CENTER ST.  
 STA.638+25.59 RL STH 100

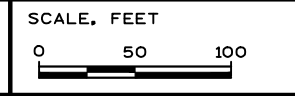
HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
CENTER STREET	DOC. 270359	33'	1947
CENTER STREET	CITY OF WAUWATOSA	45'	1937
CENTER STREET	FISHER'S WOODS	70'	1937
11TH STREET	FISHER'S WOODS	120'	1957

4

4



REVISION DATE	DESCRIPTION
06-11-2015	
07-15-2014	
09-24-2014	
04-02-2015	



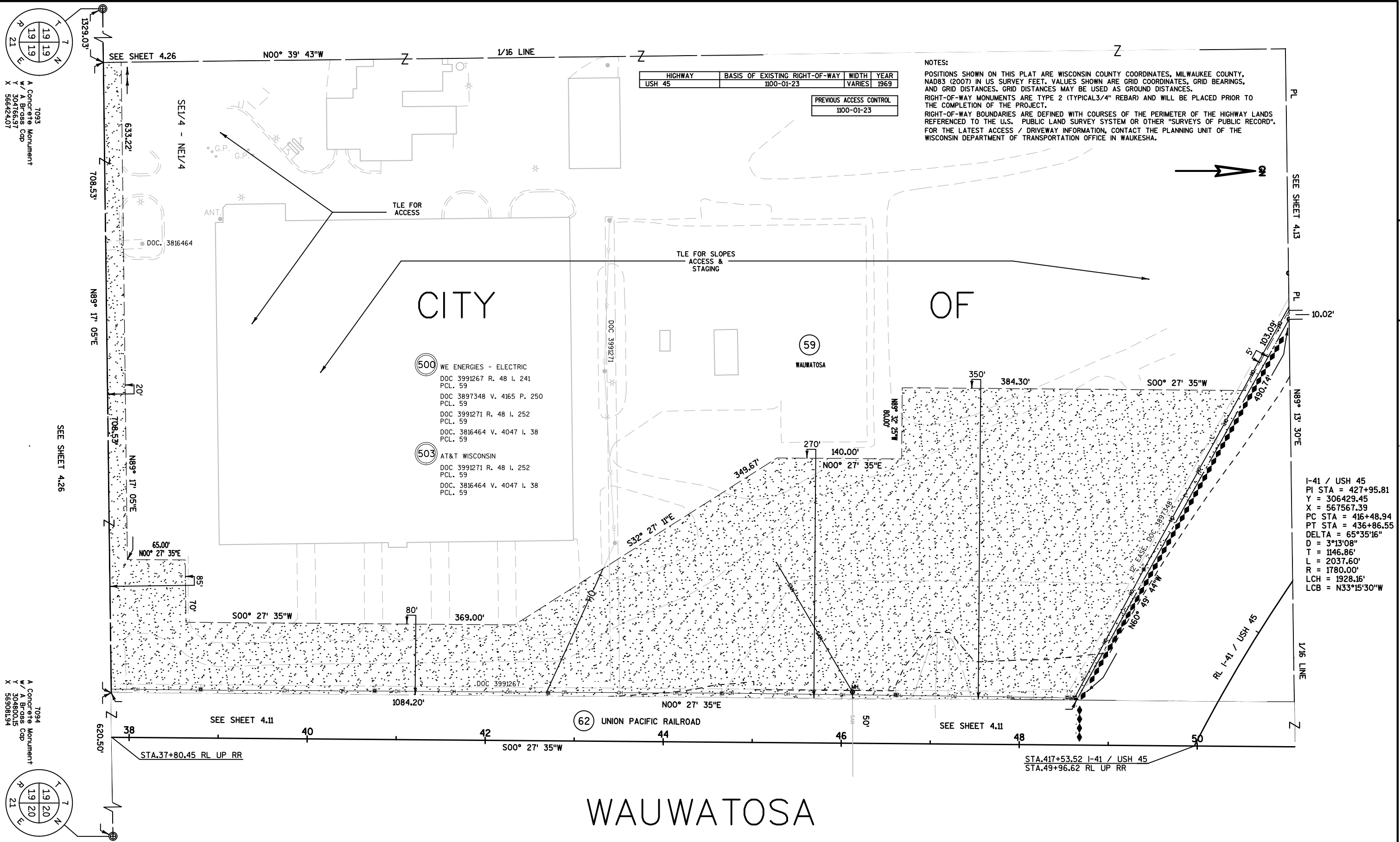
DATE 11-07-2013  
 COUNTY: MILWAUKEE

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

STATE R/W PROJECT NUMBER 1060-33-26

PLAT SHEET 4.24





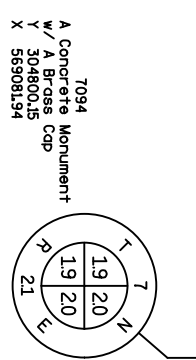
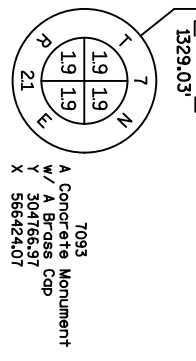
HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
USH 45	1100-01-23	VARIES	1969

PREVIOUS ACCESS CONTROL
1100-01-23

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.

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



REVISION DATE	DESCRIPTION
06-11-2015	
07-15-2014	
09-24-2014	
04-02-2015	

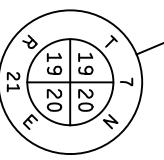


11-07-2019	HWY: I-41 / USH 45	STATE R/W PROJECT NUMBER 1060-33-26	PLAT SHEET 4.25
COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1060-33-84		



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.  
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7094 Monument  
 A Concrete Cap  
 Y 50480.95  
 X 569081.94



N89° 33' 53"E  
 850.65'

SEE SHEET 4.09

MATCH LINE

1/16 LINE

CITY OF



4

4

C1  
 L 232.32'  
 R 217.16'  
 LCH 221.40'  
 LCB S24° 27' 31"E

C2  
 L 327.46'  
 R 821.02'  
 LCH 325.29'  
 LCB S17° 10' 46"W

C3  
 L 497.02'  
 R 1655.94'  
 LCH 495.16'  
 LCB S20° 00' 25"W

C4  
 L 317.66'  
 R 598.00'  
 LCH 313.94'  
 LCB S03° 48' 35"E

C5  
 L 216.30'  
 R 1648.18'  
 LCH 216.14'  
 LCB S22° 47' 14"E

TLE FOR ACCESS  
 OVER  
 UNDERWOOD PARKWAY

WAUWATOSA



CSM 7371  
 OUTLOT 1

CSM 7371  
 R. 5772 I. 2982  
 DOC. 8730753  
 LOT 1

NW1/4 - SW1/4

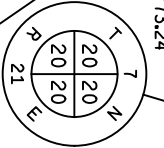
USH 45

PUBLIC  
 RIGHT OF WAY

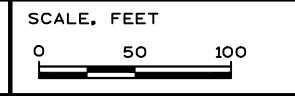
MATCH LINE

SW1/4 - SW1/4

7095 Monument  
 A Concrete Cap  
 Y 50480.60  
 X 57773.24



REVISION DATE	16-11-2015		
	07-15-2014		
	09-24-2014		
	04-02-2015		



DATE 11-07-2013  
 COUNTY: MILWAUKEE

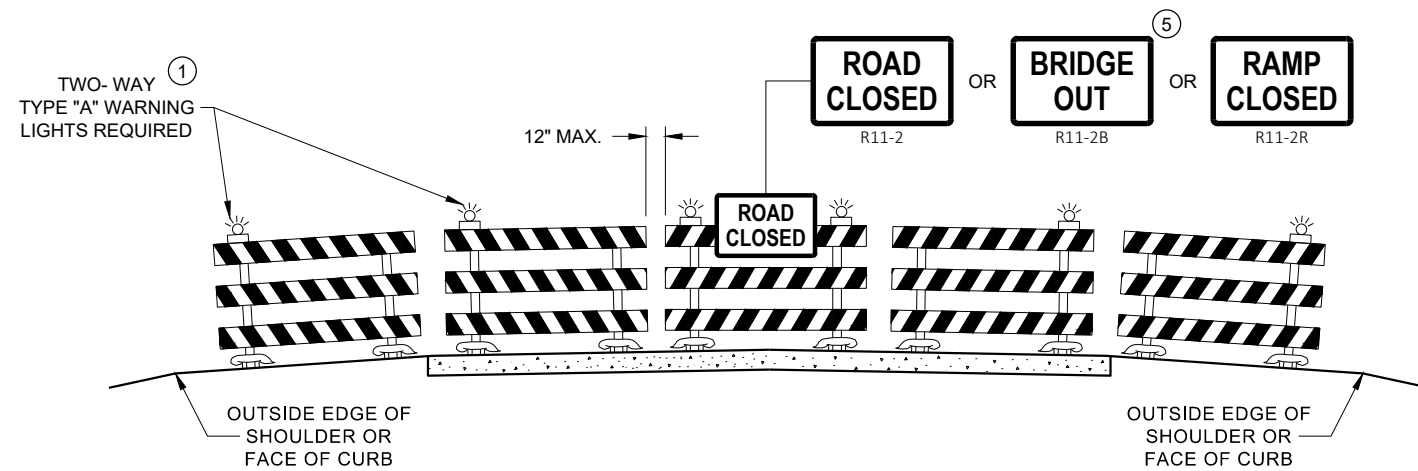
HWY: I-41 / USH 45  
 CONSTRUCTION PROJECT NUMBER 1060-33-84

STATE R/W PROJECT NUMBER 1060-33-26

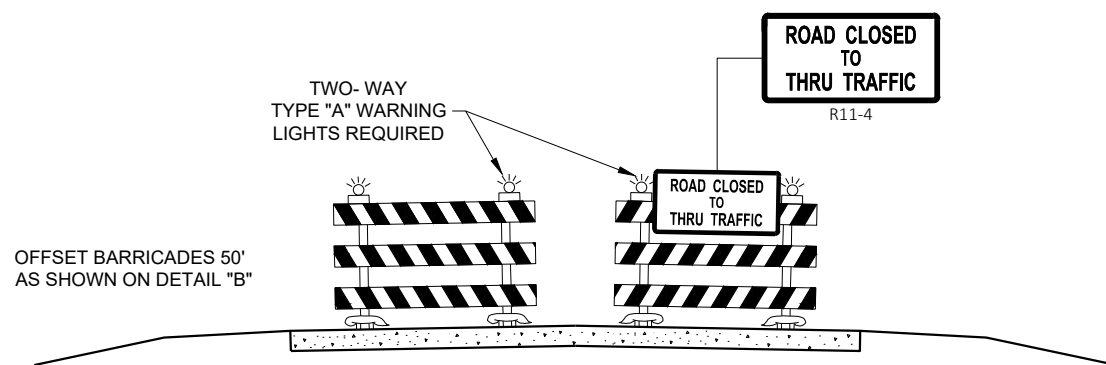
PLAT SHEET 4.27

## Standard Detail Drawing List

15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08D	ON RAMP LANE CLOSURE
15C02-08E	OFF RAMP LANE CLOSURE
15C11-09A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15D12-10A	TRAFFIC CONTROL, LANE CLOSURE
15D20-06A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D20-06B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D40-03C	TRAFFIC CONTROL, PARTIAL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D40-03D	TRAFFIC CONTROL, PARTIAL LANE SHIFT MULTILANE DIVIDED 50 MPH AND GREATER
15D50-02A	TRAFFIC CONTROL, ADDED LANE CLOSURE WITHOUT LANE SHIFT
15D50-02B	TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT



**DETAIL D  
ROAD CLOSURE BARRICADE DETAIL  
APPROACH VIEW**



**DETAIL E  
LANE CLOSURE BARRICADE DETAIL  
APPROACH VIEW**

SEE SDD 15C2 - SHEET "a" FOR LEGEND

**GENERAL NOTES**

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

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.

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

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

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60" X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

- ① TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING).
- ② THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.
- ③ FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".
- ④ FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".
- ⑤ FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.
- ⑥ INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.
- ⑦ "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

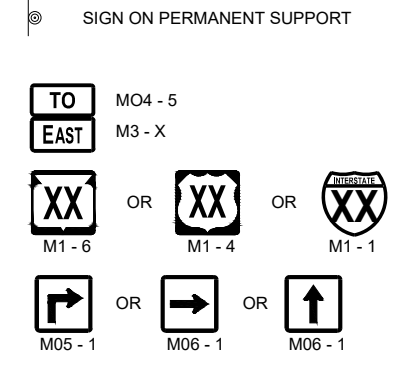
**BARRICADES AND SIGNS  
FOR  
VARIOUS CLOSURES**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
February 2020 /S/ Andrew Heidtke  
DATE WORK ZONE ENGINEER  
FHWA

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL TO SIGN LAYOUT AND SPACING. SEE PROJECT TO SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

**LEGEND**



**GENERAL NOTES**

- THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- IF THERE ARE ANY ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE TO ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT TO SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.
- THE SPACING BETWEEN TRAFFIC CONTROL AND TO SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.
- 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.
- SIGNS THAT SHALL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.
- "MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.
- SIGN SIZES SHALL BE AS FOLLOW:  
M3 - X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).  
M04 - 5 SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).  
M1 - 1, M1 - 4, AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS).  
M05 - 1, M05 - 2, AND M06 - 1, SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS).  
W20 - 53A SHALL BE 48" X 48"
- \* PLACE "RAMP CLOSED BEGINNING" SIGN 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR LAYOUT.

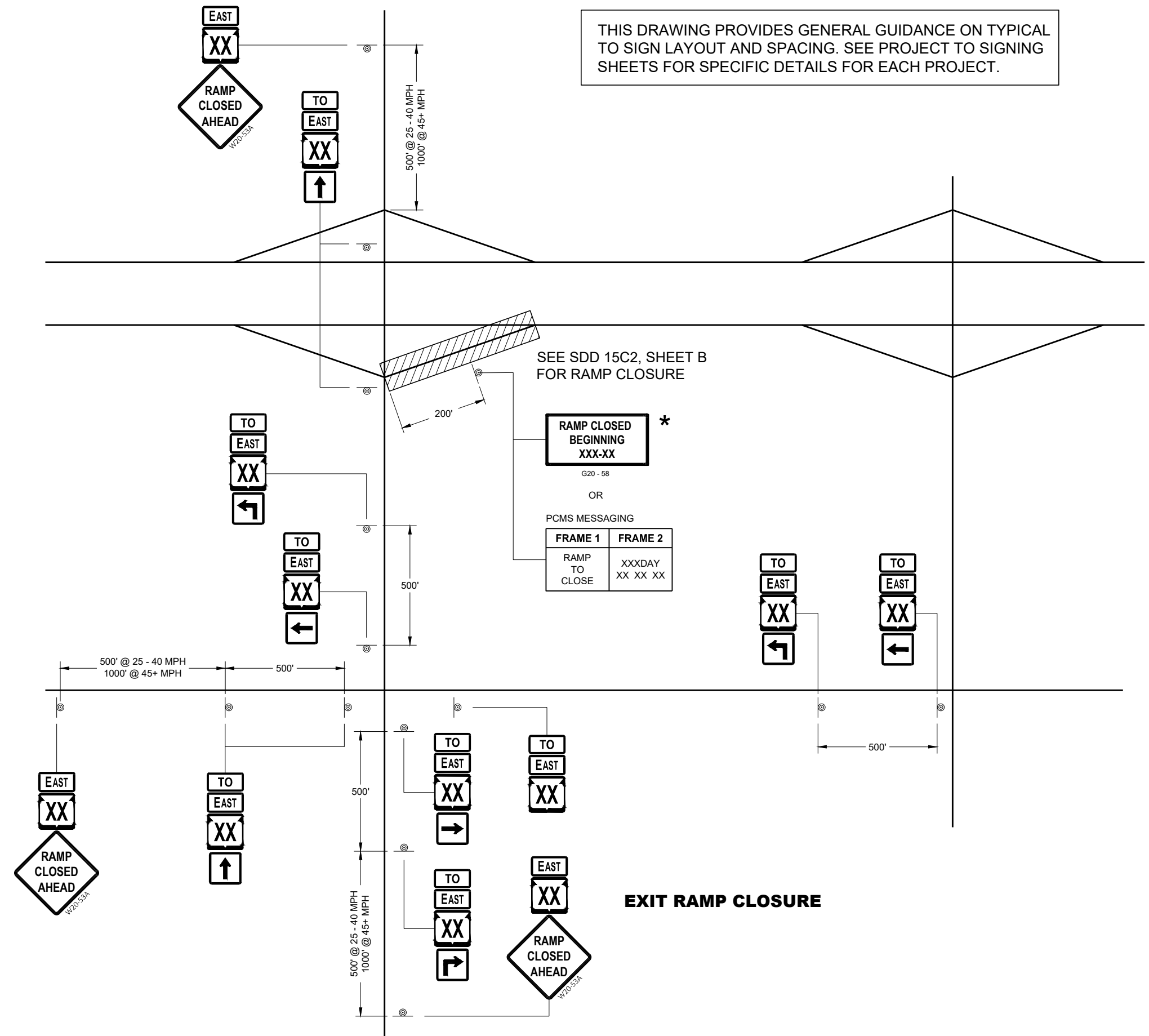
6

6

SDD 15C02 - 08d

SDD 15C02 - 08d

**EXIT RAMP CLOSURE**



**ON RAMP  
LANE CLOSURE**

---

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

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APPROVED  
February 2020 /S/ Andrew Heidtke  
DATE WORK ZONE ENGINEER

FHWA

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL "TO" MO-4 SIGN LAYOUT AND SPACING. SEE PROJECT TO SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

**LEGEND**

- ⊙ SIGN ON PERMANENT SUPPORT
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- TO MO4 - 5
- M1 - 4 OR M1 - 6 OR M1 - 5A
- M05 - 1 OR M05 - 2 OR M06 - 1 OR M06 - 2 OR M06 - 4

**GENERAL NOTES**

- SEE SDD 15D16 "TRAFFIC CONTROL, EXIT RAMP CLOSURE" DETAIL FOR TRAFFIC CONTROL AT EXIT RAMP CLOSURE.
- THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- IF THERE ARE ANY ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE "TO" MO-4 ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT TO SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.
- THE SPACING BETWEEN TRAFFIC CONTROL AND "TO" MO-4 SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.
- 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.
- SIGNS THAT SHALL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.
- "MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.
- SIGN SIZES SHALL BE AS FOLLOW:  
 MO4 - 5 SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).  
 M1 - 4, M1 - 5A, AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS).  
 MO5 - 1, MO5 - 2, AND MO6 - 1, SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS).
- ① ONLY ADD IF THERE ARE NO EXISTING ROUTE MARKERS FOR THE INTERSECTING ROADWAY.

SEE SDD 15D16 FOR RAMP CLOSURE

**EXIT RAMP CLOSURE**

6

6

SDD 15C02 - 08e

SDD 15C02 - 08e

PCMS MESSAGING

FRAME 1	FRAME 2
EXIT XX CLOSED	USE EXIT XX

OR

FIXED MESSAGE SIGN

HWY XX  
RAMP CLOSED  
USE EXIT XX

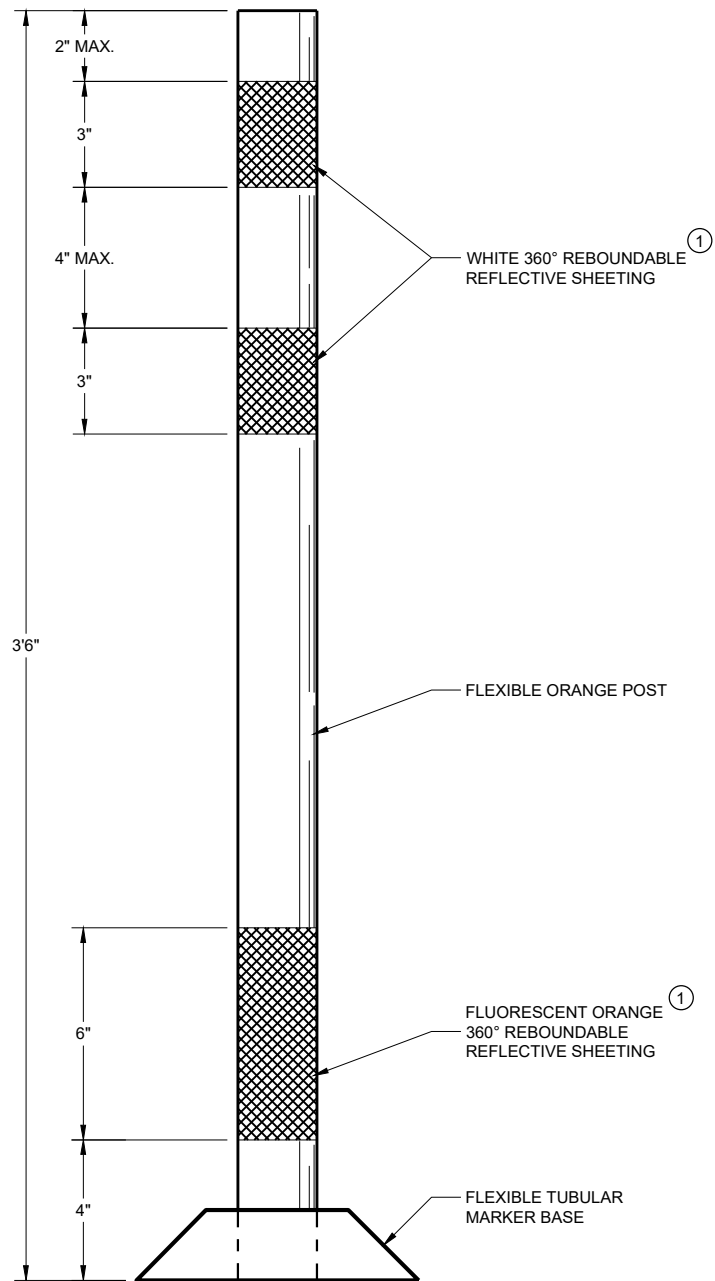
G20 - 56

**OFF RAMP  
LANE CLOSURE**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
February 2020 /S/ Andrew Heidtke  
DATE WORK ZONE ENGINEER

FHWA



FLEXIBLE TUBULAR MARKER POST WORK ZONE

GENERAL NOTES

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

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

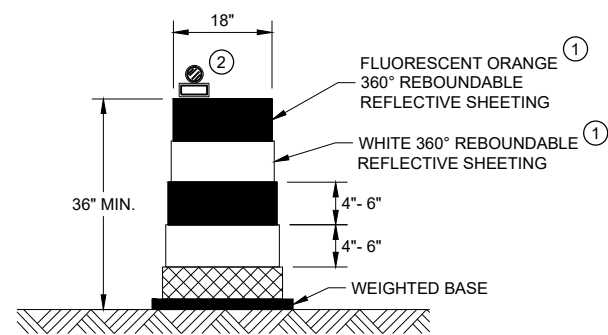
① REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST

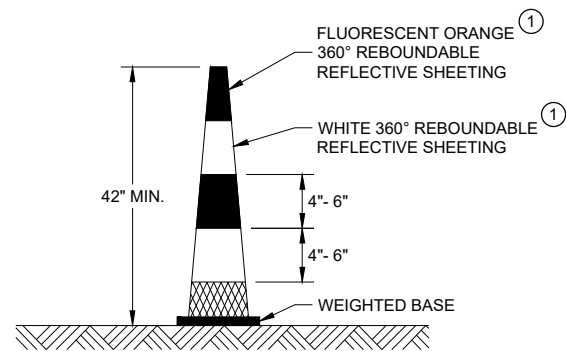
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2021 /S/ Andrew Heidtke DATE WORK ZONE ENGINEER

FHWA

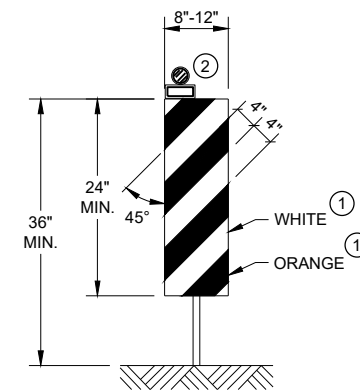


**DRUM**



**42" CONE**

DO NOT USE IN TAPERS  
1/2 SPACING OF DRUMS

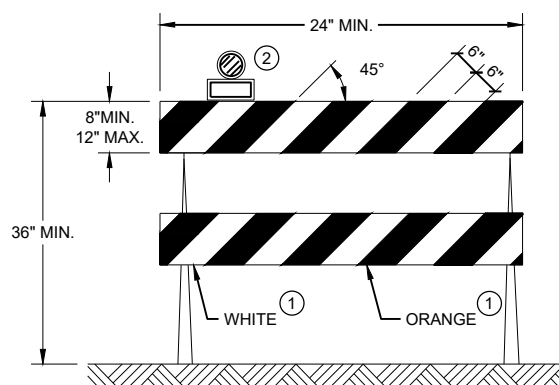


**VERTICAL PANEL**

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

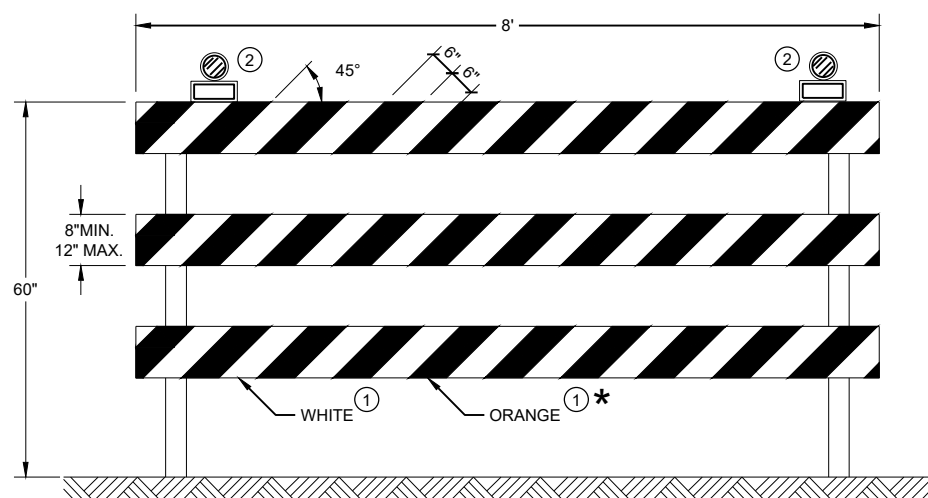
**GENERAL NOTES**

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



**TYPE II BARRICADE**

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



**TYPE III BARRICADE**

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

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

<b>CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2021 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	



## 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 AND PLACE TEMPORARY PAVEMENT MARKING LINE 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.

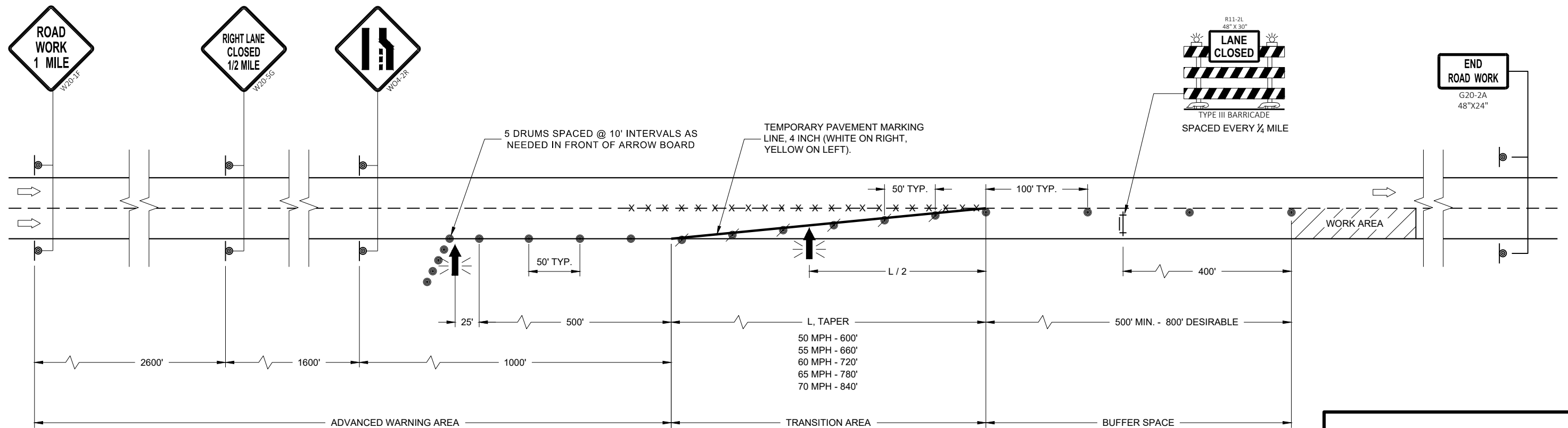
ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS

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)
-  -X-X-X- REMOVING PAVEMENT MARKINGS
-   DIRECTION OF TRAFFIC
-  WORK AREA
-  FLASHING ARROW BOARD












### TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
February 2022 /S/ Andrew Heidtke  
DATE WORK ZONE ENGINEER

FHWA

**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 LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

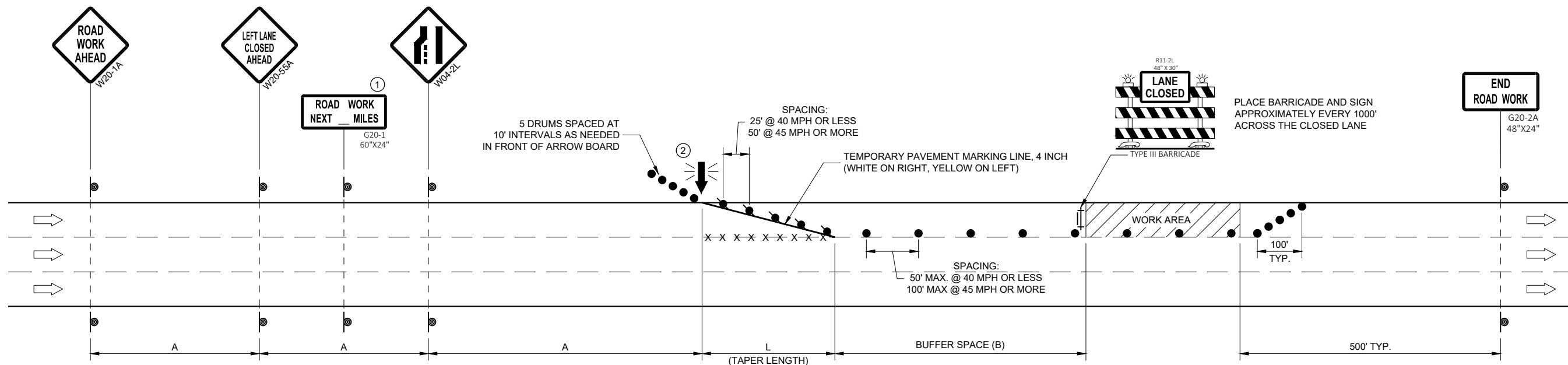
CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

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  
February 2022 /S/ Andrew Heidtke  
DATE WORK ZONE ENGINEER

FHWA

SDD 15D20 - 06a

SDD 15D20 - 06a

**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 LINE 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.

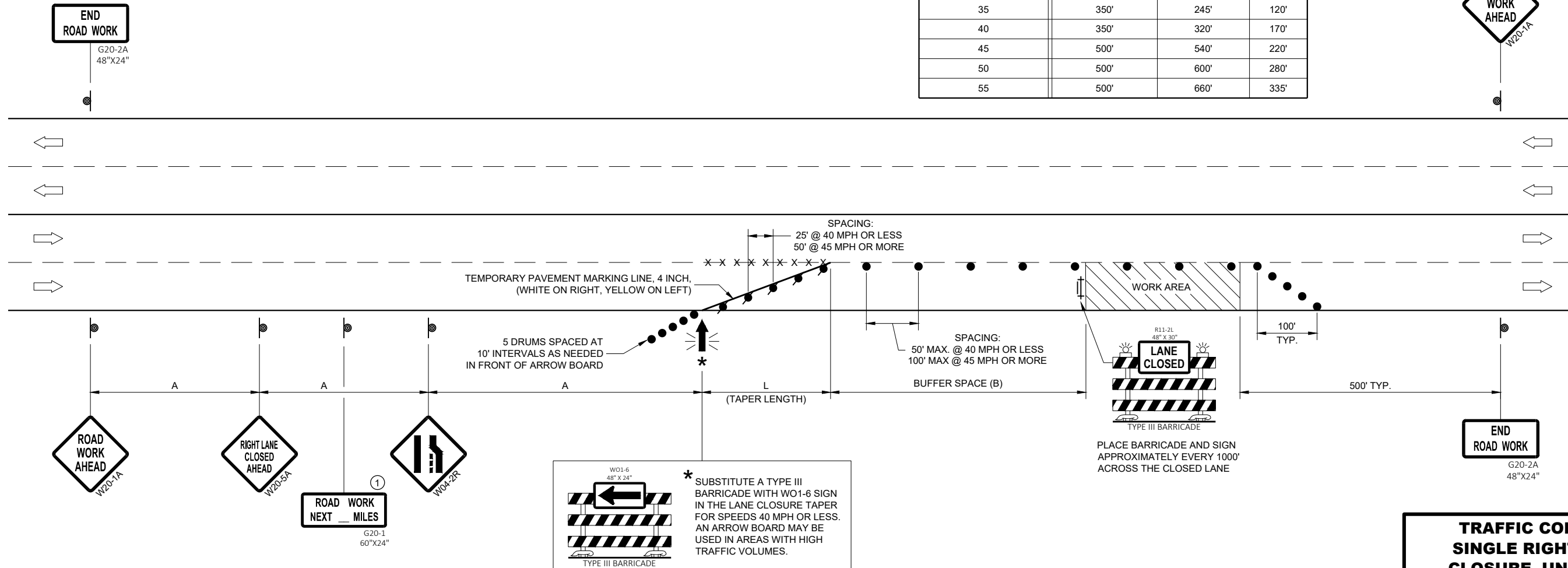
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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

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'

6

6



SDD 15D20 - 06b

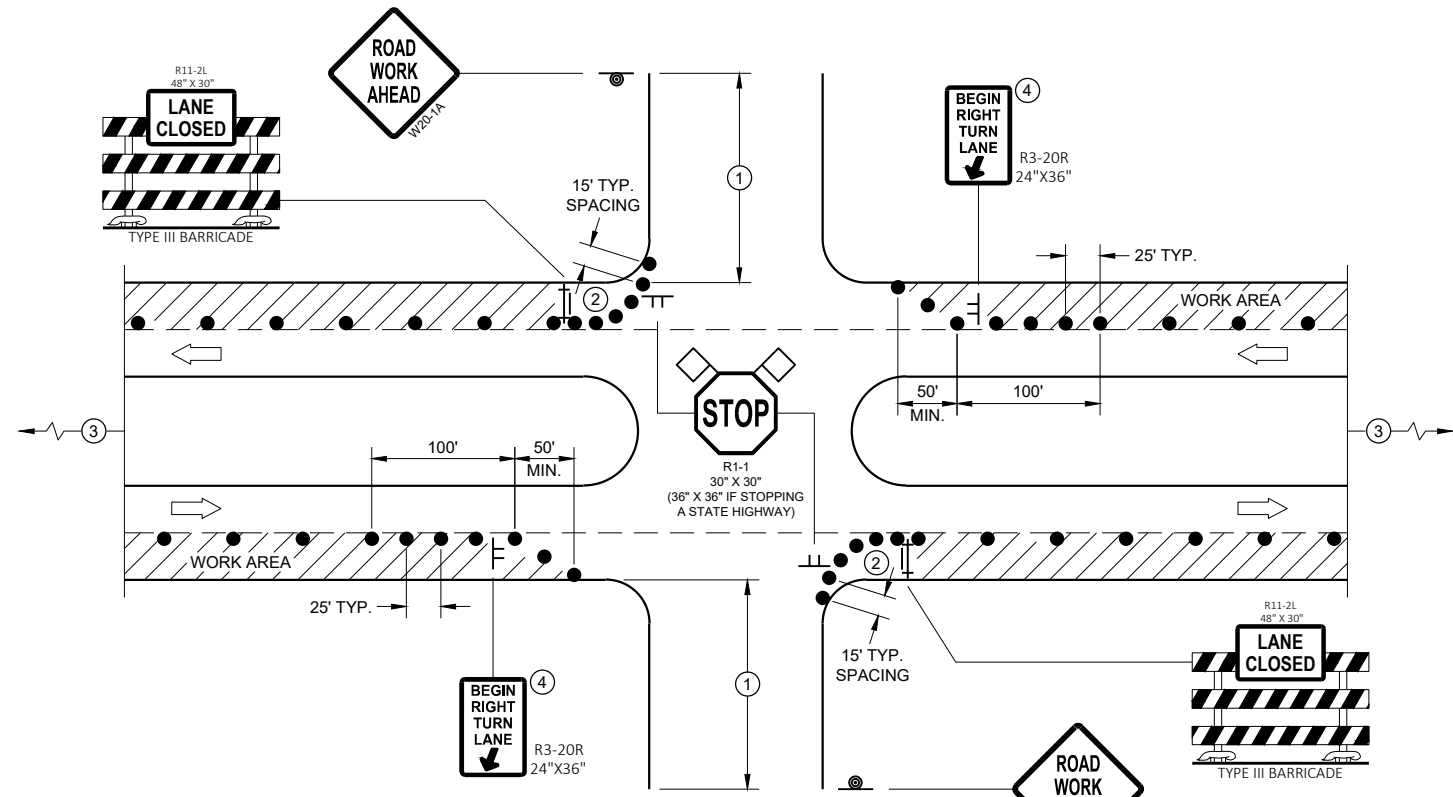
SDD 15D20 - 06b

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

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
February 2022 /S/ Andrew Heidtke  
DATE WORK ZONE 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

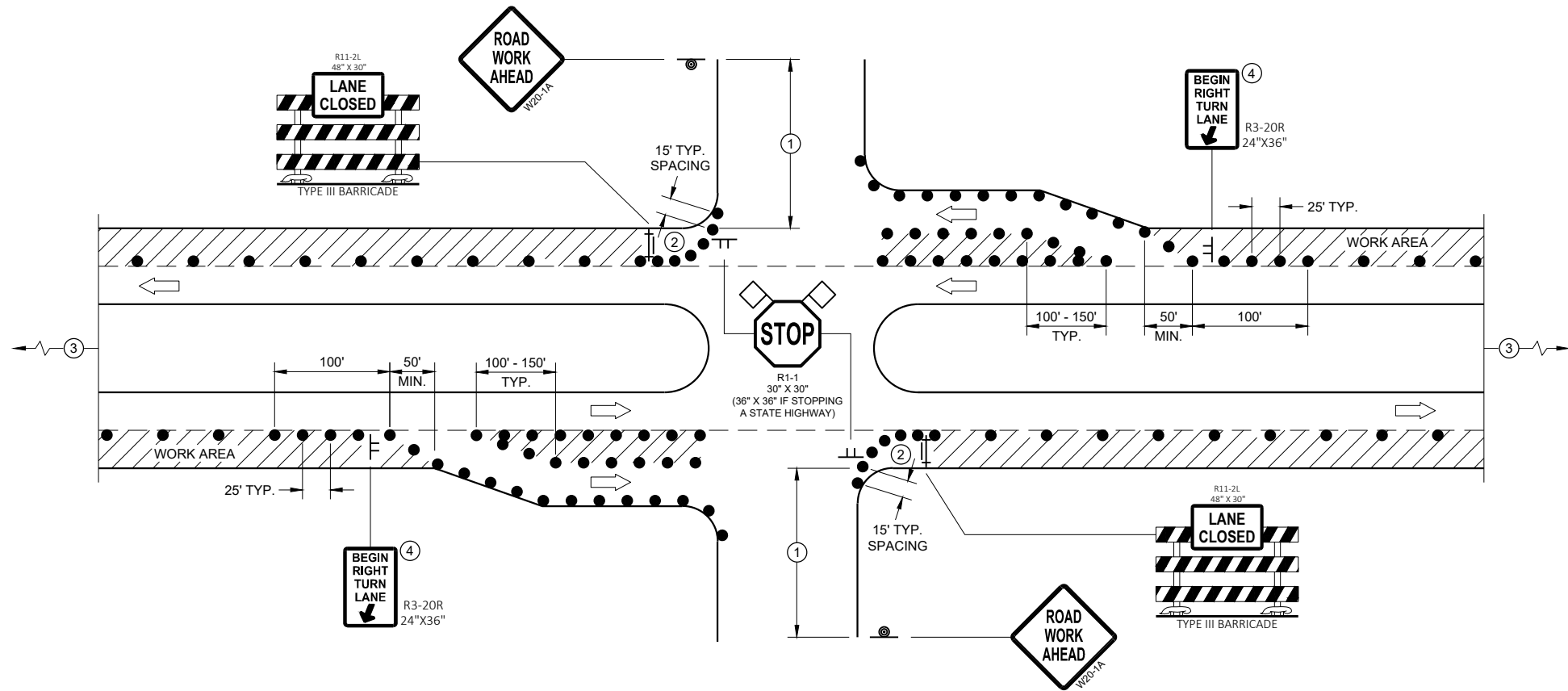
SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

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.



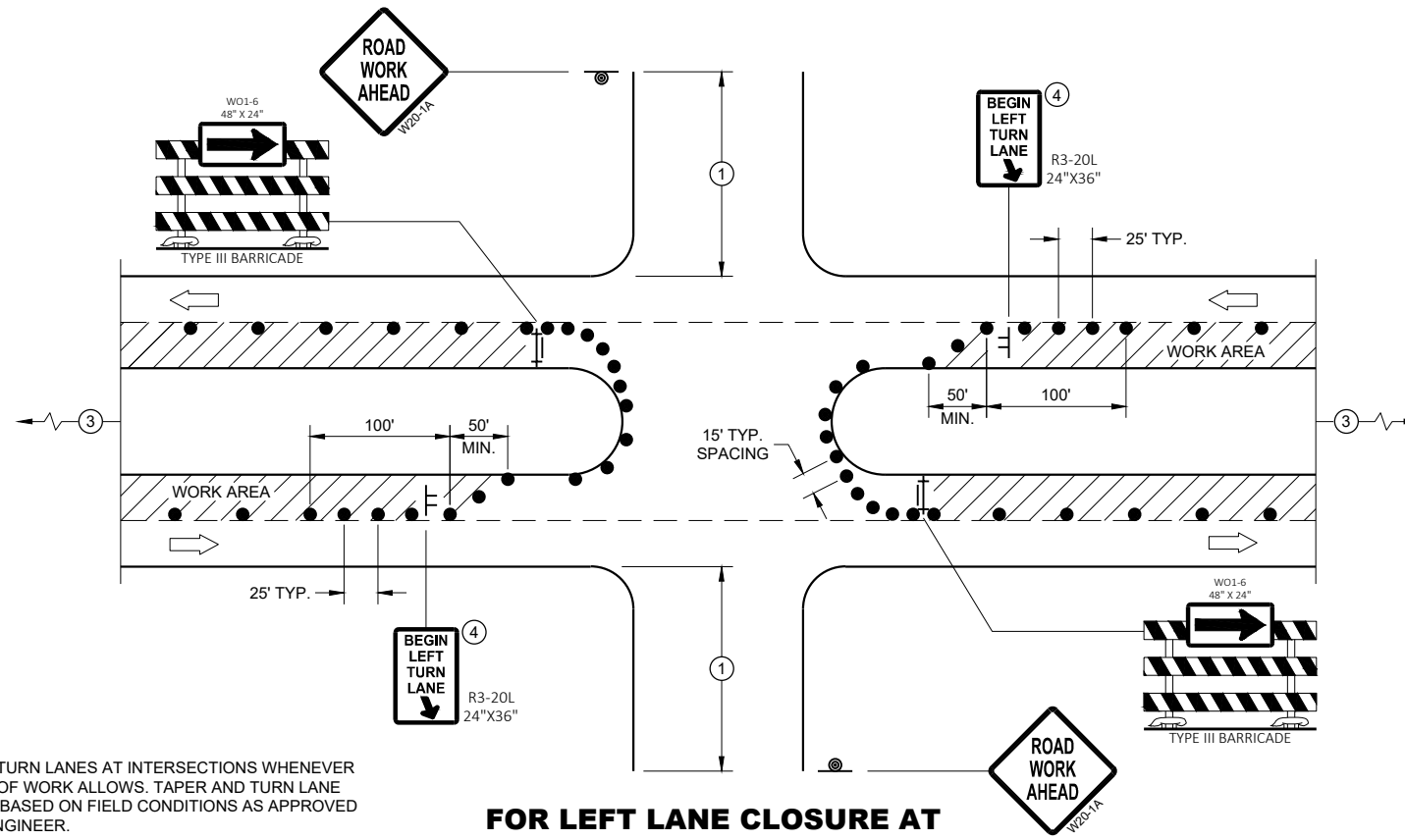
**FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)**

**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



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 LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING**

**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

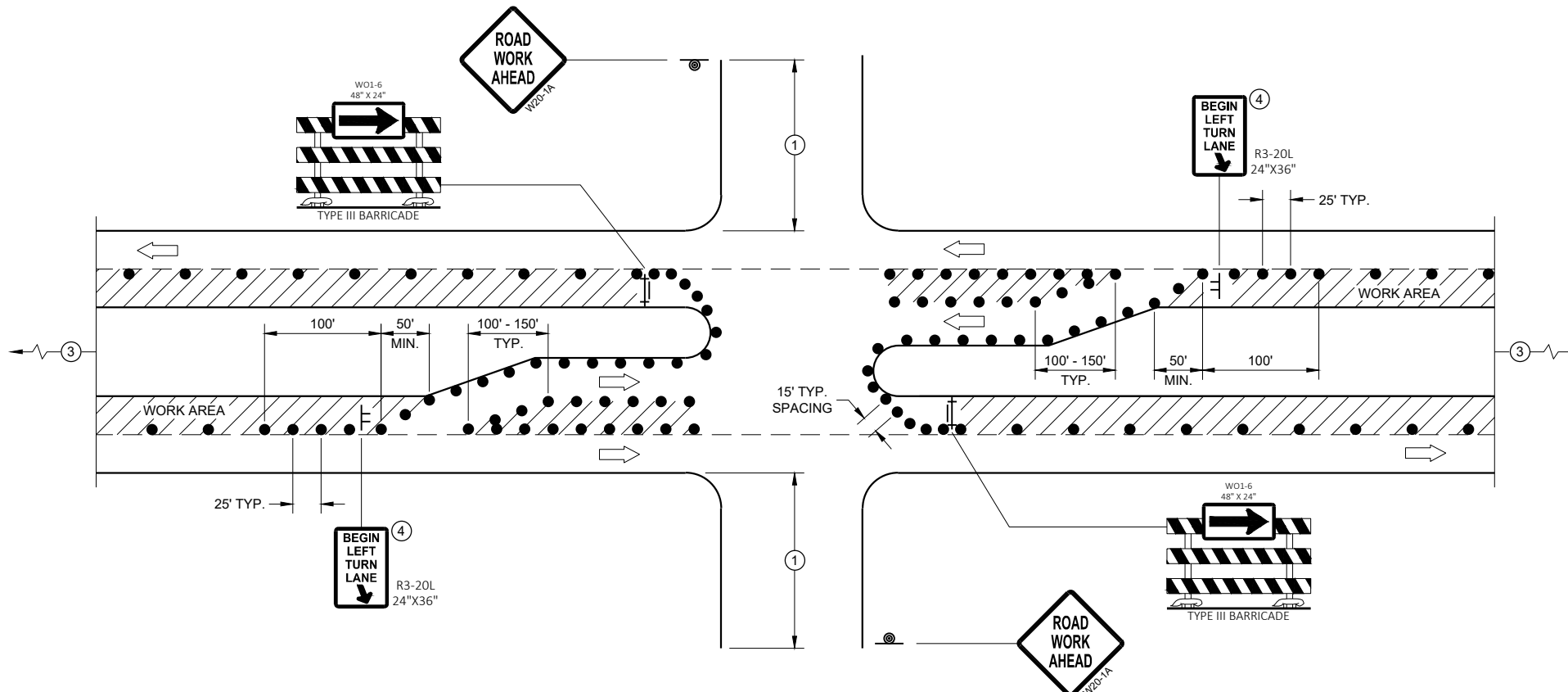
SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

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 LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT 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  
LEFT LANE CLOSURE**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
August 2020 /S/ Andrew Heidtke  
DATE WORK ZONE ENGINEER

FHWA

### GENERAL NOTES

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

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

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

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

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

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

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

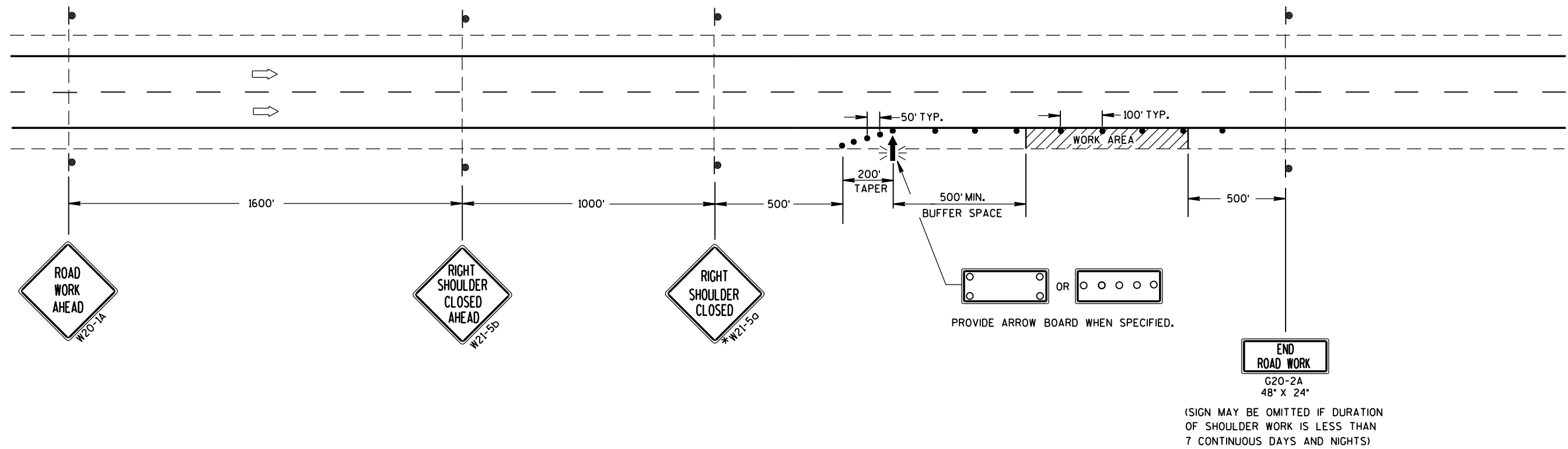
CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

\*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-50 SIGN MAY BE OMITTED.

### LEGEND





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



(SIGN MAY BE OMITTED IF DURATION OF SHOULDER WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS)

<b>TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2016 DATE	/s/ Peter Amakobe Atepe STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA	

**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.

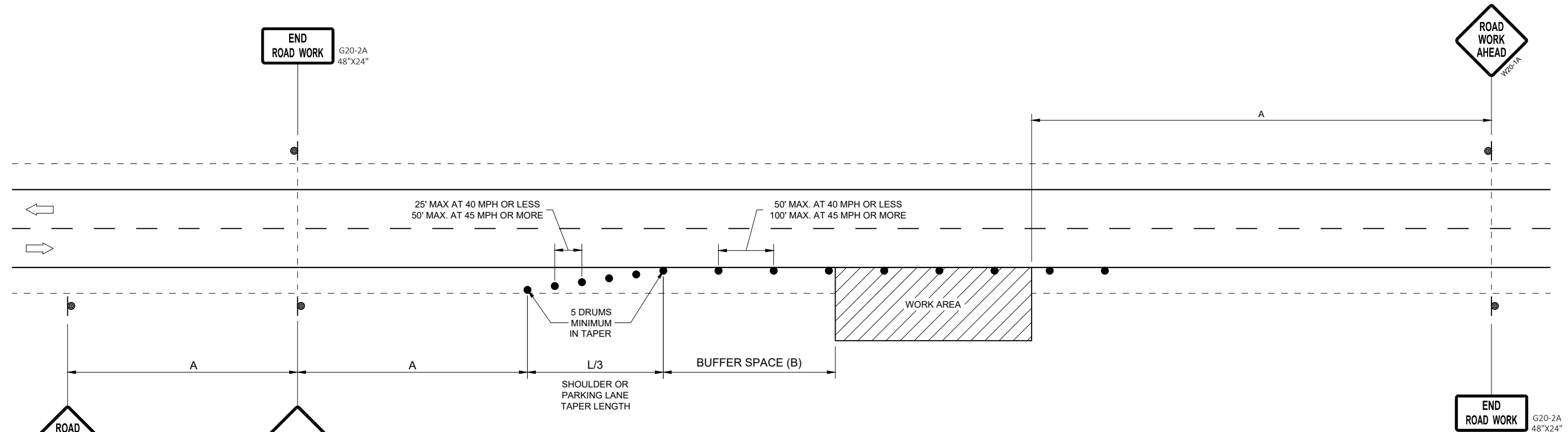
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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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6



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		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'

OR  
IF TRAFFIC CONTROL DEVICES  
ENCROACH ONTO TRAVELED WAY, USE



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

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

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

FHWA

SDD 15D28 - 04

SDD 15D28 - 04

**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
- REMOVE PAVEMENT MARKING

**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) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT LEFT - REVERSE FOR SHIFTING RIGHT.

ALL SIGNS ARE 48"x48" 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 AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

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

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 AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

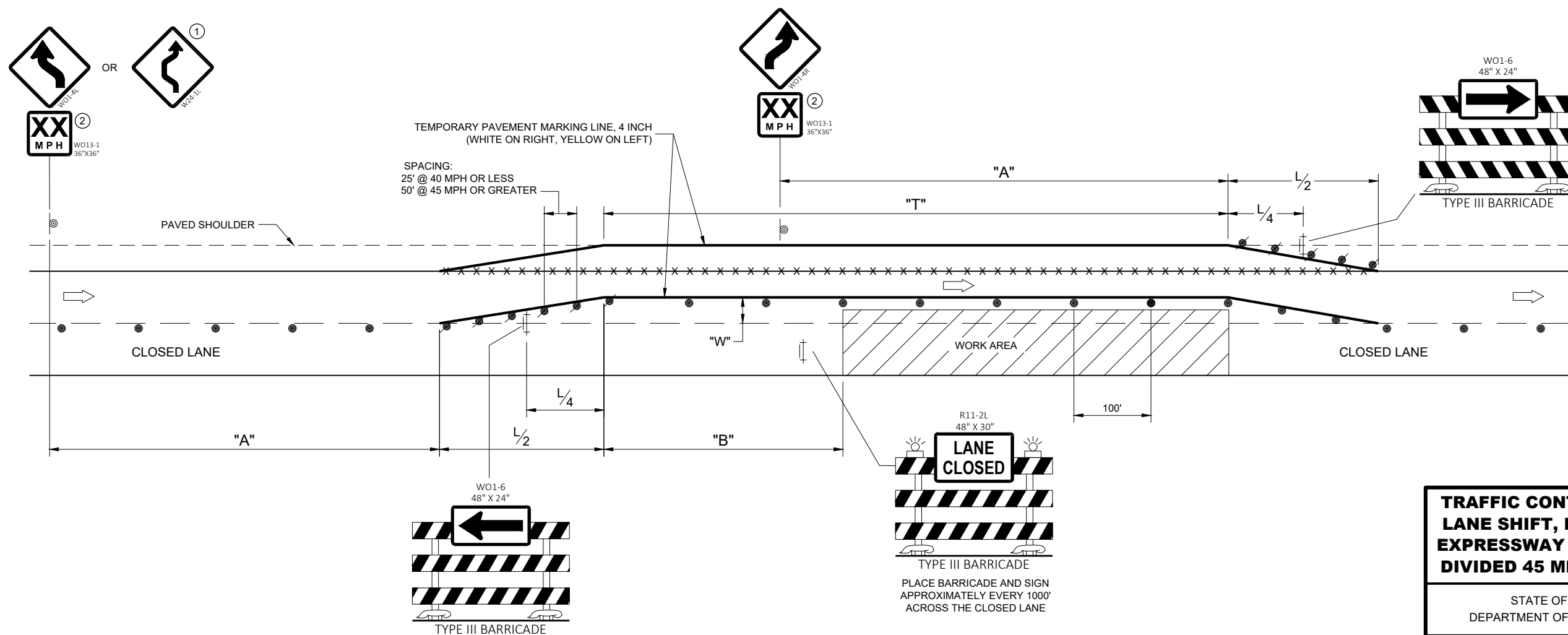
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT 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 1/2 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.

- ① USE ONLY WHEN T<600', OMIT WO1-4R.
- ② IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER $L/2$ W, LATERAL OFFSET (FT)									BUFFER SPACE (B) FEET
		1	2	3	4	5	6	7	8	9	
25	200	5	10	16	21	26	31	36	42	47	55
30	200	8	15	23	30	38	45	53	60	68	85
35	350	10	20	31	41	51	61	71	82	92	120
40	350	13	27	40	53	67	80	93	107	120	170
45	500	23	45	68	90	113	135	158	180	203	220



**TRAFFIC CONTROL, PARTIAL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
February 2022 /S/ Andrew Heidtke  
DATE WORK ZONE ENGINEER

FHWA



**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
-  REMOVE PAVEMENT MARKING

**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) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT LEFT - REVERSE FOR SHIFTING RIGHT.

ALL SIGNS ARE 48"x48" 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 AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

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

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 AND PLACE TEMPORARY PAVEMENT LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

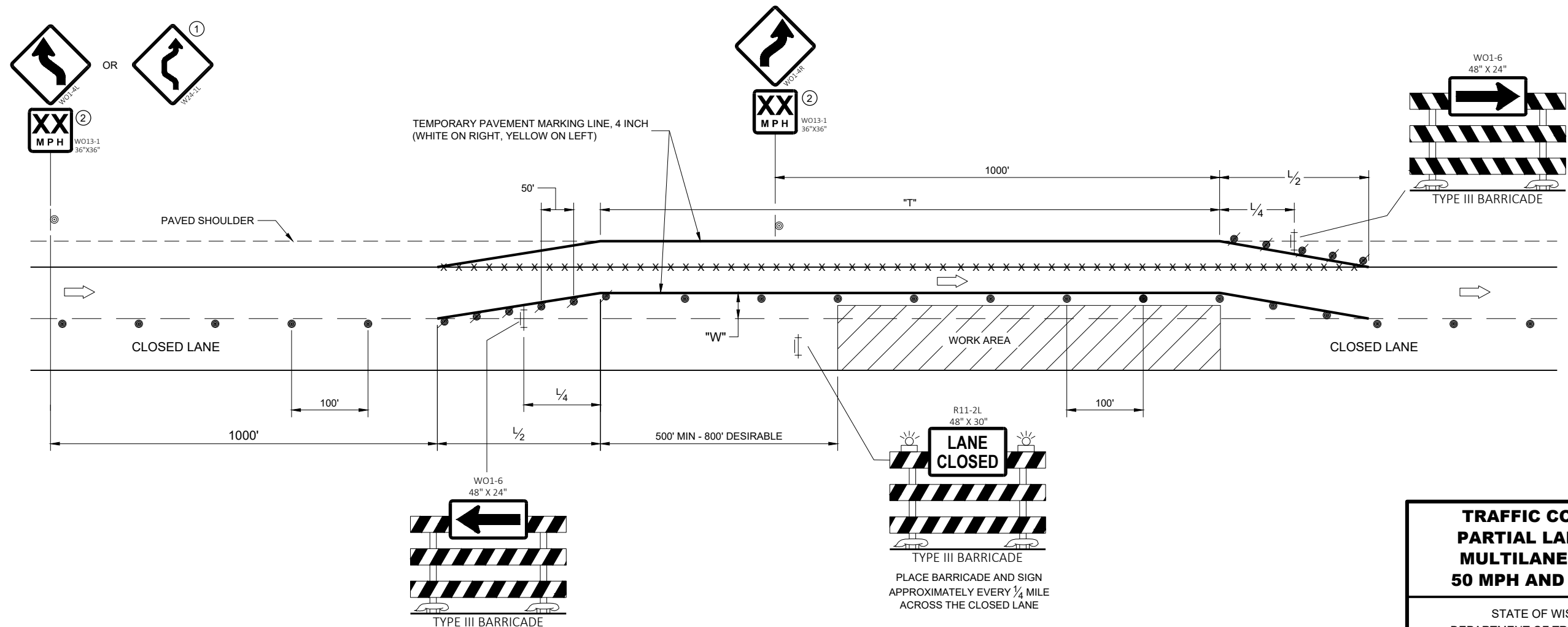
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT 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 1/2 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.

- ① USE ONLY WHEN T<600', OMIT WO1-4R.
- ② IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	SHIFTING TAPER 1/2								
	W, LATERAL OFFSET (FT)								
	1	2	3	4	5	6	7	8	9
50	25	50	75	100	125	150	175	200	225
55	28	55	83	110	138	165	193	220	248
60	30	60	90	120	150	180	210	240	270
65	33	65	98	130	163	195	228	260	293
70	35	70	105	140	175	210	245	280	315



**TRAFFIC CONTROL,  
PARTIAL LANE SHIFT  
MULTILANE DIVIDED  
50 MPH AND GREATER**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION








APPROVED  
February 2022 /S/ Andrew Heidtke  
DATE WORK ZONE ENGINEER

FHWA

SDD 15D40 - 03d

SDD 15D40 - 03d

**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)					
		3	4	5	6	7	8
25	200	10	14	17	21	24	28
30	200	15	20	25	30	35	40
35	350	20	27	34	40	47	54
40	350	26	35	44	53	62	70
45	500	45	59	74	89	104	119
50	500	50	66	83	99	116	132
55	500	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.

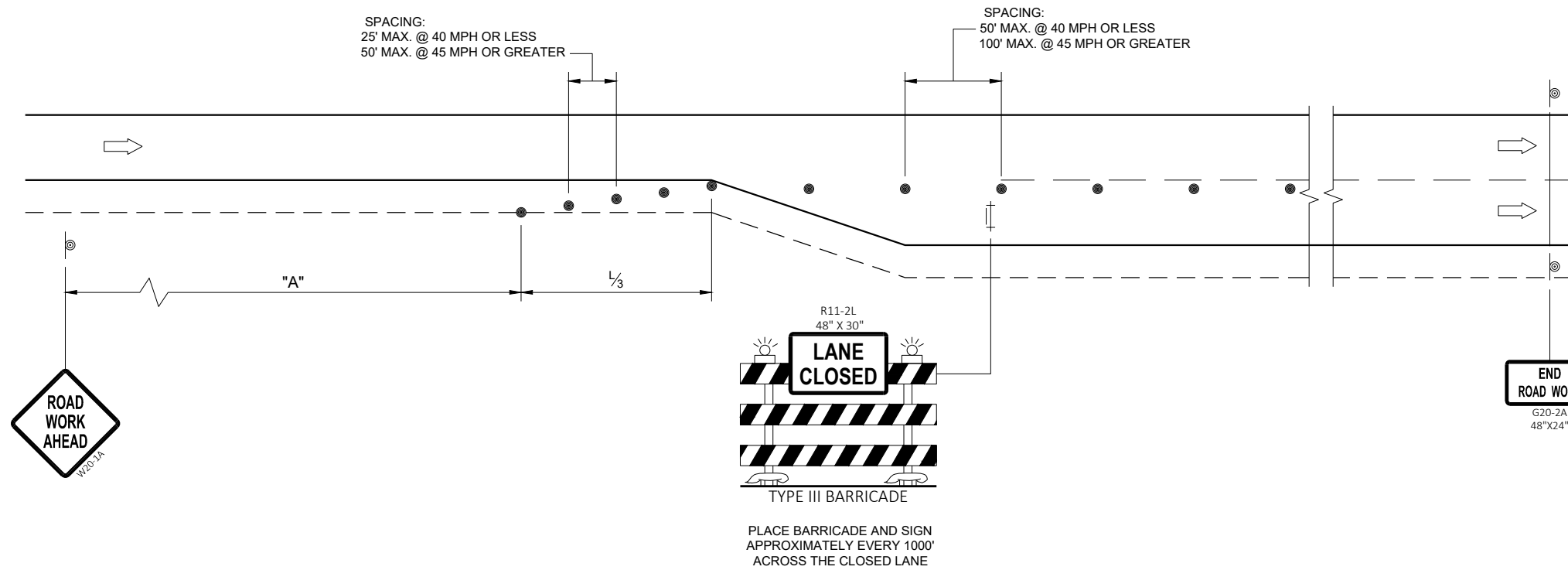
"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

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 7 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.



6








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SDD 15D50 - 02a

SDD 15D50 - 02a

<b>TRAFFIC CONTROL ADDED LANE CLOSURE WITHOUT LANE SHIFT</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED February 2022 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	

**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.

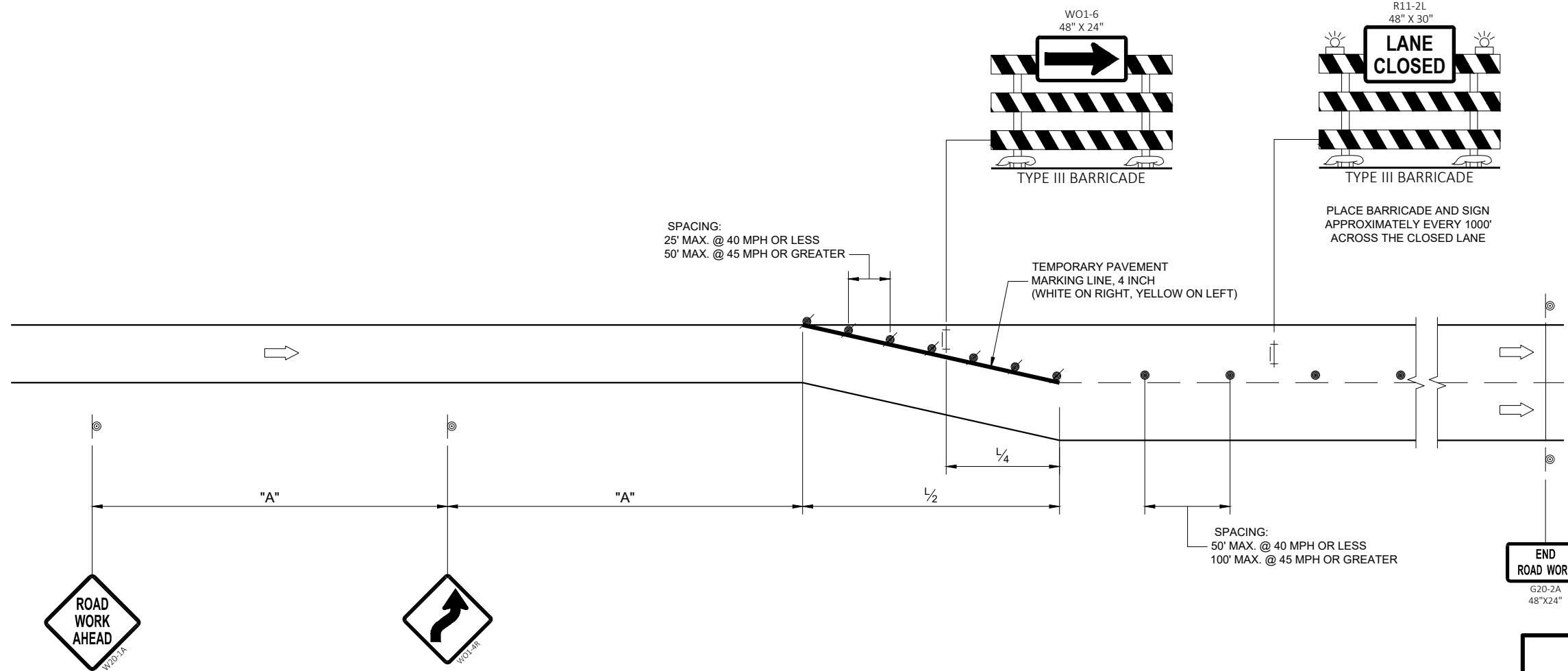
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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 AND PLACE TEMPORARY PAVEMENT LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.



6

6

SDD 15D50 - 02b

SDD 15D50 - 02b

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

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STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

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APPROVED  
February 2022 /S/ Andrew Heidtke  
DATE WORK ZONE ENGINEER

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## *Wisconsin Department of Transportation*

Dedicated people creating transportation solutions through innovation and exceptional service.

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