

PROJECT ID:
WITH: 1100-20-72

COUNTY:
MILWAUKEE

ORDER OF SHEETS

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

TOTAL SHEETS =



DESIGN DESIGNATION

A.A.D.T.	=	N/A
A.A.D.T.	=	N/A
D.H.V.	=	N/A
D.D.	=	N/A
T.	=	N/A
DESIGN SPEED	=	N/A
ESALS	=	N/A

CONVENTIONAL SYMBOLS

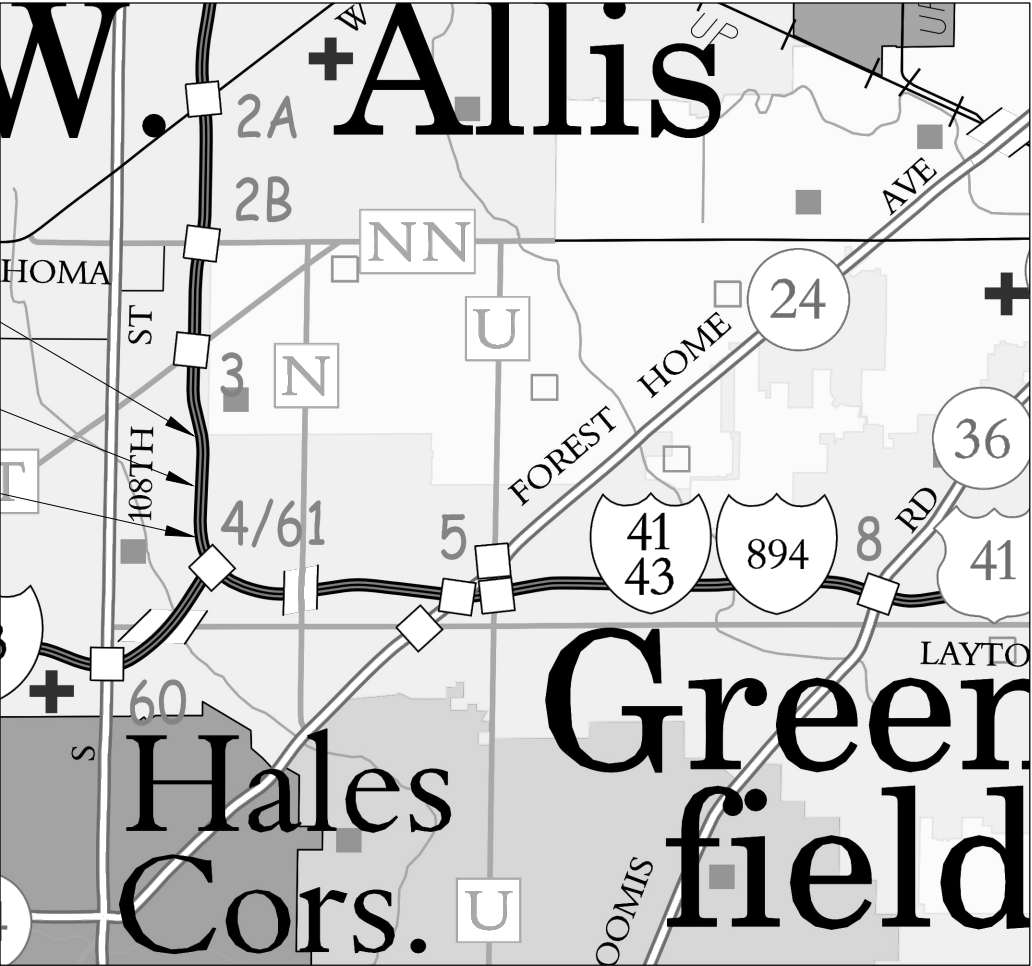
PLAN	
CORPORATE LIMITS	
PROPERTY LINE	
LOT LINE	
LIMITED HIGHWAY EASEMENT	
EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	
SLOPE INTERCEPT	
REFERENCE LINE	
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	
COMBUSTIBLE FLUIDS	
MARSH AREA	
WOODED OR SHRUB AREA	

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

END PROJECT
STA 96+37.58

BEGIN PROJECT
STA 30+71.16
Y = 571429.23
X = 273197.81

N-40-97



LAYOUT
SCALE 0 1.0 MI

TOTAL NET LENGTH OF CENTERLINE = 0.000 MI.

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, MILWAUKEE COUNTY, NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN DATUM NAVD 88 (2007).

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1100-20-72		

60% PLANS
JUNE 15, 2020

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	WISDOT
Designer	AMANDA JOHANSEN
Project Manager	
Regional Examiner	
Regional Supervisor	WAFARQAQ
APPROVED FOR THE DEPARTMENT	
DATE:	(Signature)

DRAFT

2	UTILITY CONTACTS				OTHER CONTACTS				2								
	AT&T LEGACY - COMMUNICATION LINE KENNETH COLWELL 222 W JACKSON WOODSTOCK, IL 60098 PHONE: (312) 734-2223 kc1298@att.com AT&T LOCAL NETWORK - COMMUNICATION LINE JENNIFER NAVARRO 6070 N FLINT RD GLENDALE, WI 53209 PHONE: (414) 459-3564 j.navarro@northwindtech.com AT&T WISCONSIN - COMMUNICATION LINE MATTHEW DINNAUER 2005 PEWAUKEE RD WAUKESHA, WI 53188 PHONE: (262) 896-7690 md9542@att.com ATC MANAGEMENT, INC. - ELECTRICITY-TRANSMISSION 801 O'KEEFE RD P.O. BOX 6113 DE PERE, WI 54115 PHONE: (920) 338-6582 dl-ATCDOTNotifications@atcllc.com CHARTER COMMUNICATIONS - COMMUNICATION LINE BEAU ABUYA 1320 N DR MARTIN LUTHER KING DR MILWAUKEE, WI 53212 PHONE: (414) 908-1343 wis.engineering@charter.com CITY OF GREENFIELD - ROAD FACILITY & SEWER JEFF KATZ CITY OF GREENFIELD - ROAD FACILITY 7325 W FOREST HOME AVE GREENFIELD, WI 53220 PHONE (414) 329-5325 jeffk@greenfieldwi.us LEVEL 3 COMMUNICATIONS LLC - COMMUNICATION LINE NETWORK RELOCATIONS 1025 ELDORADO BLVD BROOMFIELD, CO 80021 NationalRelo@centurylink.com MIDWEST FIBER NETWORKS LLC - COMMUNICATION LINE RICHARD TRGOVEC 6070 NORTH FLINT RD GLENDALE, WI 53209 PHONE: (414) 459-3554 rtrgovec@midwestfibernetworks.com MILWAUKEE COUNTY PARKS DEPARTMENT - ROAD FACILITY DANIEL MURPHY 10320 WATERTOWN PLANK RD WAUWATOSA, WI 53226 PHONE: (414) 257-5942 Daniel.murphy@milwaukeecountywi.gov MILWAUKEE COUNTY PARKS DEPARTMENT - ELECTRICITY BLAKE PRUSAK 1150 N 68TH STREET MILWAUKEE, WI 53213 Blake.Prusak@milwaukeecountywi.gov				MILWAUKEE METROPOLITAN SEWERAGE DISTRICT - SEWER MICKI KLAPPA-SULLIVAN 260 W SEEBOTH ST MILWAUKEE, WI 53204 PHONE: (414) 225-2178 MKlappaSullivan@mmsd.com PAETEC COMMUNICATIONS, LLC - COMMUNICATION LINE MARY FISHER 13935 BISHOPS DR BROOKFIELD, WI 53005 PHONE: (262) 792-7938 Mary.B.Fisher@windstream.com SPRINT COMMUNICATIONS CO LP - COMMUNICATION LINE JASON JARVIS 7459 W 79TH ST BRIDGEVIEW, IL 60455 PHONE: (219) 433-4091 jason.m.jarvis@sprint.com TDS METROCOM LLC - COMMUNICATION LINE MICHAEL SWEET 525 JUNCTION RD MADISON, WI 53717 PHONE: (608) 664-4539 Michael.Sweet@tdstelecom.com WAUWATOSA WATER UTILITY - WATER ADAM FLORIN 7725 W NORTH AVENUE WAUWATOSA, WI 53213 (414) 479-8963 AFlorin@wauwatosa.net WE ENERGIES - ELECTRICITY					WISCONSIN DEPARTMENT OF TRANSPORTATION - COMMUNICATION LINE JEFF MADSON STE. 300 433 W. ST. PAUL AVE. MILWAUKEE, WI 53203-3007 PHONE: (414) 225-3723 Jeffrey.Madson@dot.wi.gov WISCONSIN DEPARTMENT OF TRANSPORTATION - STREET LIGHTING ERIC PEREA 141 NW BARSTOW STREET WAUKESHA, WI 53188 PHONE: (262) 574-5422 Eric.Perea@dot.wi.gov WISCONSIN DEPARTMENT OF TRANSPORTATION - WISCONSIN SIGNAL DERRIN WOLFORD 141 NW BARSTOW STREET WAUKESHA, WI 53188 PHONE: (262) 521-4409 derrin.wolford@dot.wi.gov WISCONSIN DOT RWIS PROGRAM - COMMUNICATION TOWER MIKE ADAMS P.O. BOX 7986 MADISON, WI 53707-7986 PHONE: (608) 266-5004 Michael.Adams@dot.wi.gov WISCONSIN INDEPENDENT NETWORK, LLC - COMMUNICATION LINE DICK HAMMETTER SUITE 219 800 WISCONSIN AVE EAU CLAIRE, WI 54703 PHONE: (715) 838-4406 Hammetter@WINS.net				WISCONSIN DEPARTMENT OF TRANSPORTATION AMANDA JOHANSEN - PROJECT MANAGER 141 NW BARSTOW ST WAUKESHA, WI 53187 PHONE: (262) 521-4465 amanda.johansen@dot.wi.gov WISCONSIN DEPARTMENT OF TRANSPORTATION AMANDA WILKER UTILITY COORDINATOR 141 NW BARSTOW ST WAUKESHA, WI 53187 PHONE: (262) 548-6478 CELL: (507) 676-4719 amanda.wilker@dot.wi.gov WISCONSIN DEPARTMENT OF TRANSPORTATION TOMMY CURRAN ENVIRONMENTAL COORDINATOR 141 NW BARSTOW ST WAUKESHA, WI 53187 PHONE: (262) 548-5682 thomas1.curran@dot.wi.gov WISCONSIN DEPARTMENT OF NATURAL RESOURCES KRISTINA BETZOLD 2300 N MARTIN LUTHER KING JR DR MILWAUKEE, WI 53212 PHONE: (414) 263-8517 CELL: (414) 507-4946 kristina.betzold@wisconsin.gov SOUTHEAST WISCONSIN REGIONAL PLANNING COMMISSION ROB MERRY W239 N1812 ROCKWOOD DR P.O. BOX 1607 WAUKESHA, WI 53187-1607 PHONE: (262) 953-4289 CELL: (920) 912-1036 rmerry@sewrpc.org MILWAUKEE COUNTY TRANSIT SYSTEM (MCTS) 1942 N 17TH ST MILWAUKEE, WI 53205 MELANIE FLYNN LEAD & COORDINATOR OF STREET SUPERVISION (ROUTES) PHONE: (414) 343-1764 mflynn@mcts.org ANDY TILLMAN TRANSIT PLANNER (STOPS/SHELTERS) PHONE: (414) 343-1728 atillman@mcts.org DAVID LOCHER TRANSPORTATION SPECIALIST (DETOUR/SPECIAL EVENTS) PHONE: (414) 343-1727 dlocher@mtcs.org			
	PROJECT NO: 1100-20-72				HWY: IH 41		COUNTY: MILWAUKEE			GENERAL NOTES & UTILITY CONTACTS							
	FILE NAME : N:\PDS\C3D\11002002\SHEETSP\AN\020101_GN.DWG				PLOT DATE : 5/15/2020 10:06 AM		PLOT BY : JOHANSEN, AMANDA A			PLOT NAME :		PLOT SCALE : 1 IN:100 FT					
	LAYOUT NAME : 020101											SHEET					
										E							

DIGGERSHOTLINE

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WISDOT/CADDs SHEET 42

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GENERAL NOTES

NO 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.

REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.

RE-TOPSOIL OF GRADED AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. SEED, FERTILIZE, AND EROSION MAT TOP-SOILED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN FIVE (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL. IF GRADED AREAS ARE LEFT EXPOSED FOR MORE THAN (14) CALENDAR DAYS, SEED THOSE AREAS WITH TEMPORARY SEED.

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.

EROSION CONTROL BMPS ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S ECIP AND BY THE ENGINEER. EROSION CONTROL BMPS SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

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

ORDER OF SECTION 2 DETAIL SHEETS

- GENERAL NOTES & UTILITY CONTACTS
- PROJECT OVERVIEW
- CONSTRUCTION DETAILS
- REMOVAL PLANS
- PLAN DETAILS
- EROSION CONTROL
- PERMANENT SIGNING
- TRAFFIC CONTROL
- ALIGNMENT LAYOUT

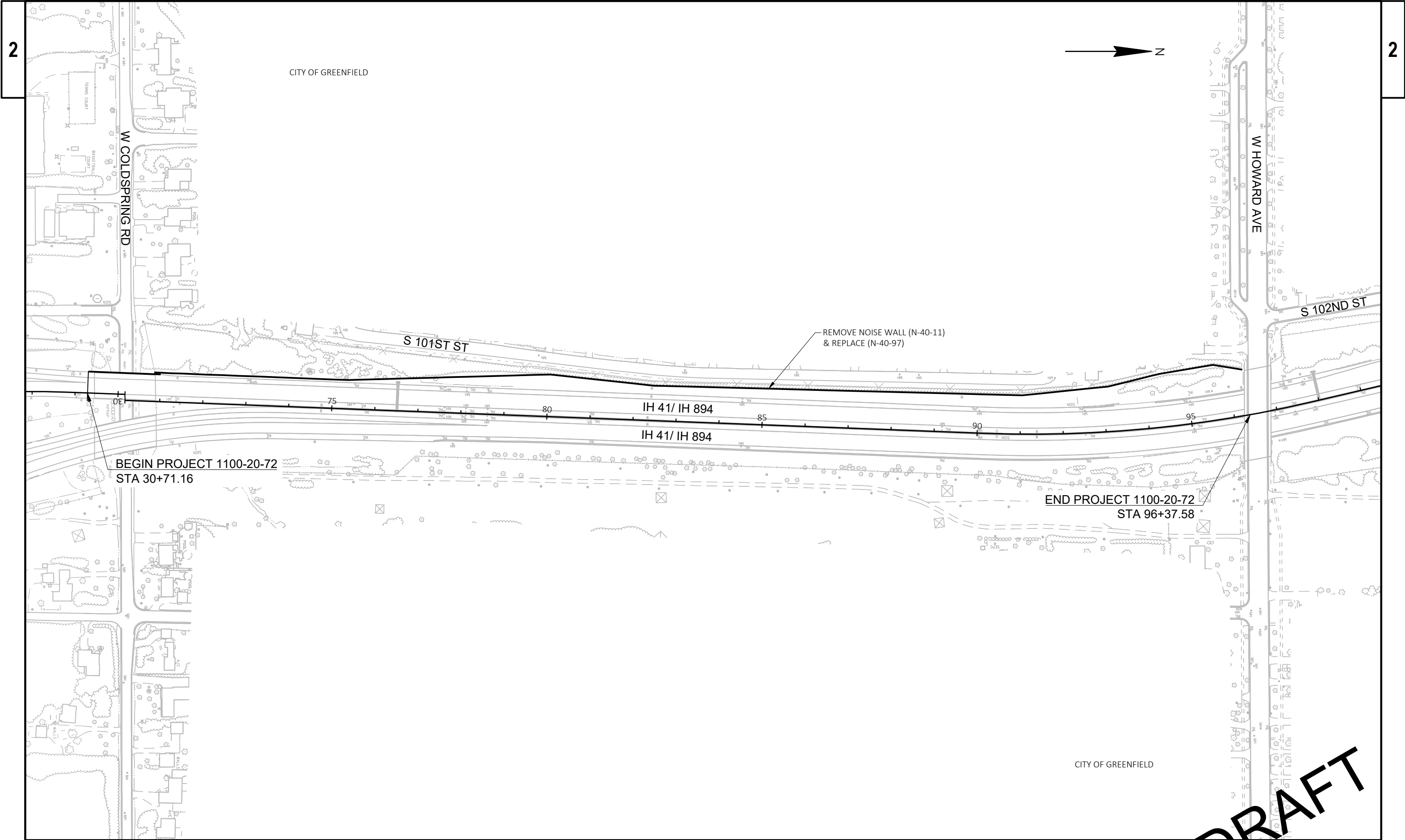
STANDARD ABBREVIATIONS

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	VERTICAL CURVE LENGTH
VPC	POINT OF VERTICAL CURVE
VPI	POINT OF VERTICAL INTERSECTION
VPT	POINT OF VERTICAL TANGENT
WB	WESTBOUND



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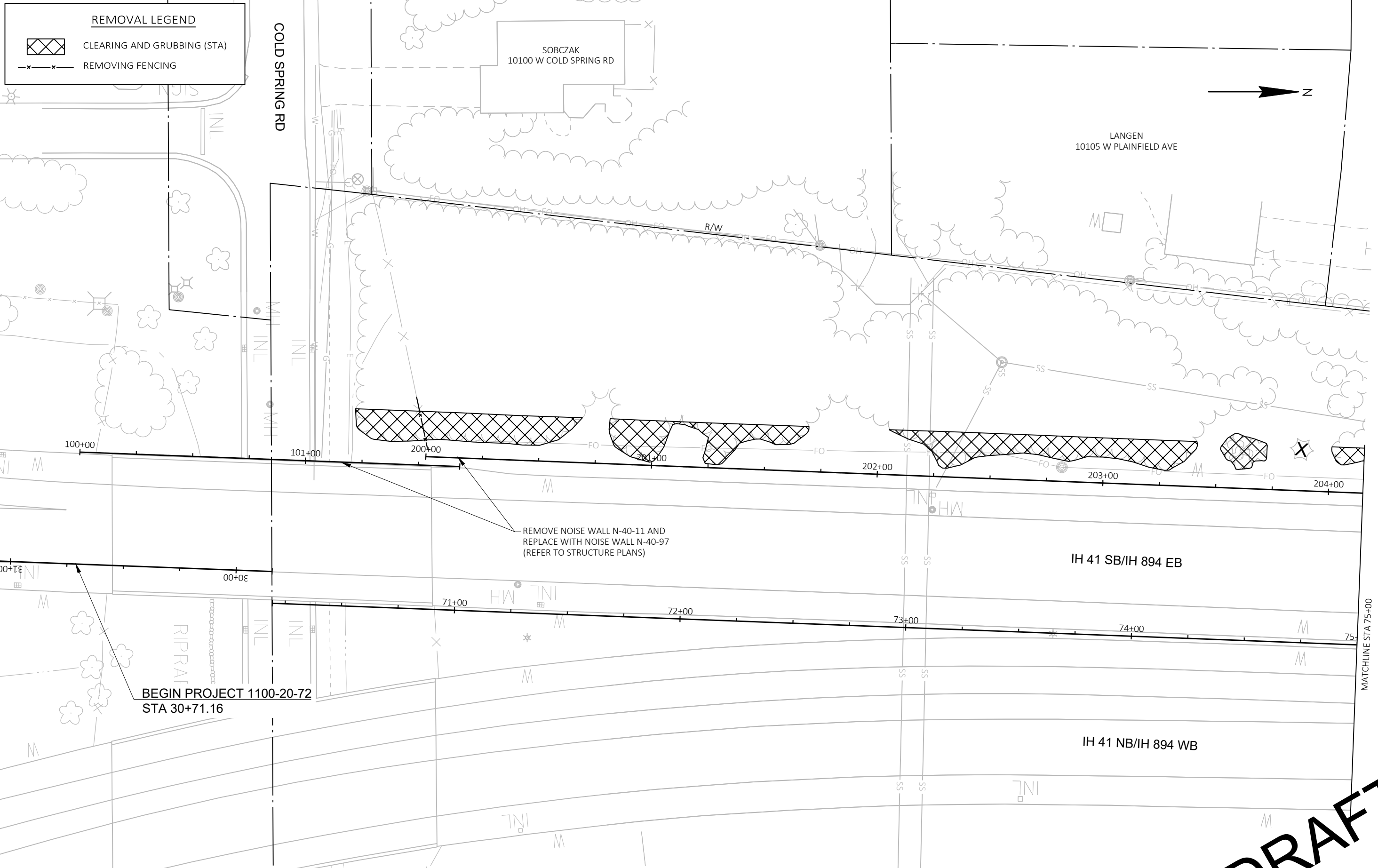
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PROJECT NO: 1100-20-72	HWY: IH 41	COUNTY: MILWAUKEE	PROJECT OVERVIEW	SHEET	E
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2



PROJECT NO: 1100-20-72	HWY: IH 41	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET	E
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LAYOUT NAME :	021101_rm										

DRAFT

WISDOT/CADD SHEET

REMOVAL LEGEND



CLEARING AND GRUBBING (STA)



REMOVING FENCING

CURBELO
4175 S 101ST STJOHNSON
4161 S 101ST STSENTKOWSKI
4149 S 101ST STRYAN
4137 S 101ST ST

101ST STREET

IH 41 SB/IH 894 EB

IH 41 NB/IH 894 WB

REMOVE NOISE WALL N-40-11 AND
REPLACE WITH NOISE WALL N-40-97
(REFER TO STRUCTURE PLANS)

DRAFT

PROJECT NO: 1100-20-72

HWY: IH 41

COUNTY: MILWAUKEE

REMOVAL PLANS

SHEET

E

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PLOT DATE: 5/26/2020 4:31 PM

PLOT BY: JOHANSEN, AMANDA A

PLOT NAME:

PLOT SCALE: 1 IN=40 FT

WISDOT/CADDs SHEET 42

REMOVAL LEGEND

 CLEARING AND GRUBBING (STA)

 REMOVING FENCING



STEFANOVICE LIFE ESTATES
4125 S 101ST ST

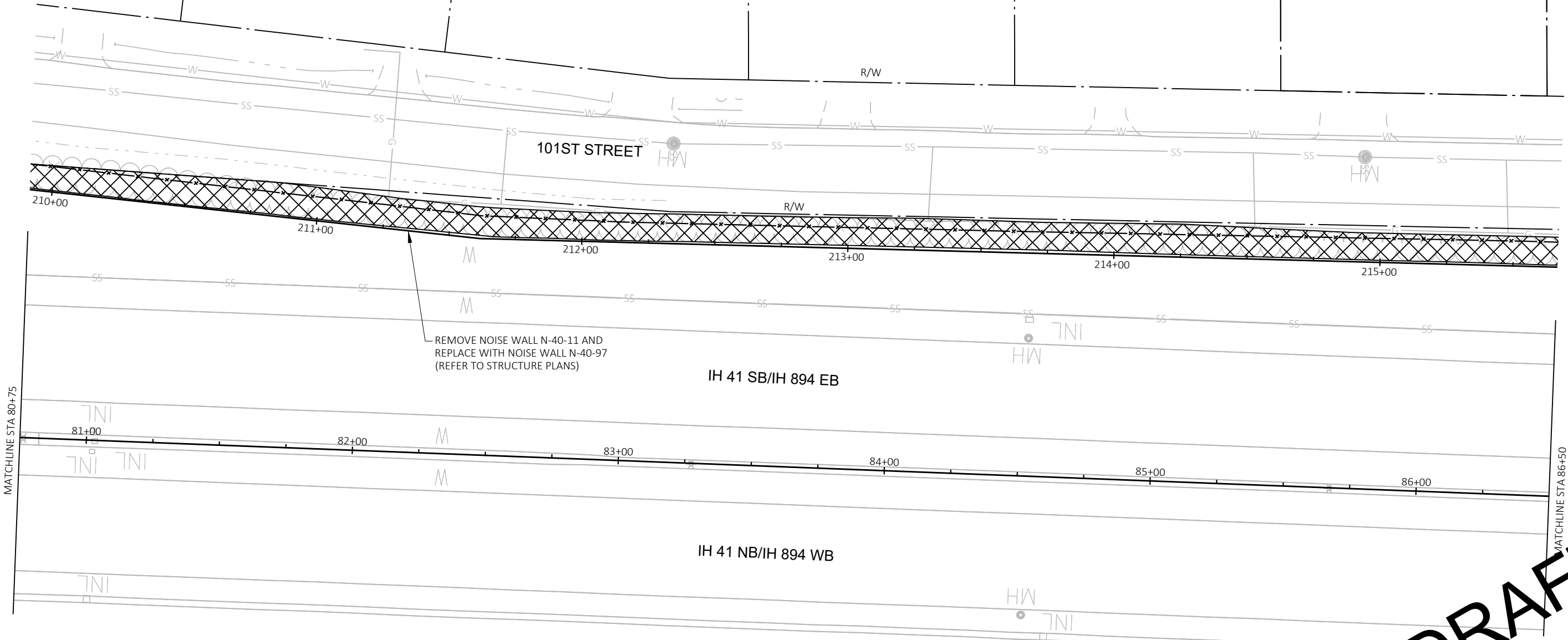
LARSEN
4113 S 101ST ST

DAMM
4101 S 101ST ST

HAMBURGER
4071 S 101ST ST

LIPKA
4061 S 101ST ST

WITTLIEFF
4051 S 101ST ST



REMOVE NOISE WALL N-40-11 AND
REPLACE WITH NOISE WALL N-40-97
(REFER TO STRUCTURE PLANS)

IH 41 SB/IH 894 EB

IH 41 NB/IH 894 WB

DRAFT

REMOVAL LEGEND



CLEARING AND GRUBBING (STA)



REMOVING FENCING

LAUGHRIN & RIEGERT
4041 S 101ST STBENZINGER
4031 S 101ST STSAIIA
4021 S 101ST STFUERST
4011 S 101ST STEICHHORN
4001 S 101ST ST

R/W

101ST STREET

R/W

R/W

R/W

Z

MATCHLINE STA 86+50

IH 41 SB/IH 894 EB

IH 41 NB/IH 894 WB

REMOVE NOISE WALL N-40-11 AND
REPLACE WITH NOISE WALL N-40-97
(REFER TO STRUCTURE PLANS)

MATCHLINE STA 92+50

PROJECT NO: 1100-20-72

HWY: IH 41

COUNTY: MILWAUKEE

REMOVAL PLANS

SHEET

E

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PLOT DATE: 6/1/2020 9:18 AM

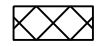
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PLOT NAME:

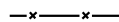
PLOT SCALE: 1 IN=40 FT

WISDOT/CADDs SHEET 42

REMOVAL LEGEND



CLEARING AND GRUBBING (STA)



REMOVING FENCING

102ND STREET

DIESSNER
10101 W HOWARD AVELAMPRECHT
10102 W NORWICH AVEREMOVE NOISE WALL N-40-11 AND
REPLACE WITH NOISE WALL N-40-97
(REFER TO STRUCTURE PLANS)

R/W

224+00

225+00

222+00

223+00

HOWARD AVENUE

IH 41 SB/IH 894 EB

MATCHLINE STA 92+50

93+00

94+00

95+00

96+00

97+00

98+00

IH 41 NB/IH 894 WB

END PROJECT 1100-20-72
STA 96+37.58

PROJECT NO: 1100-20-72

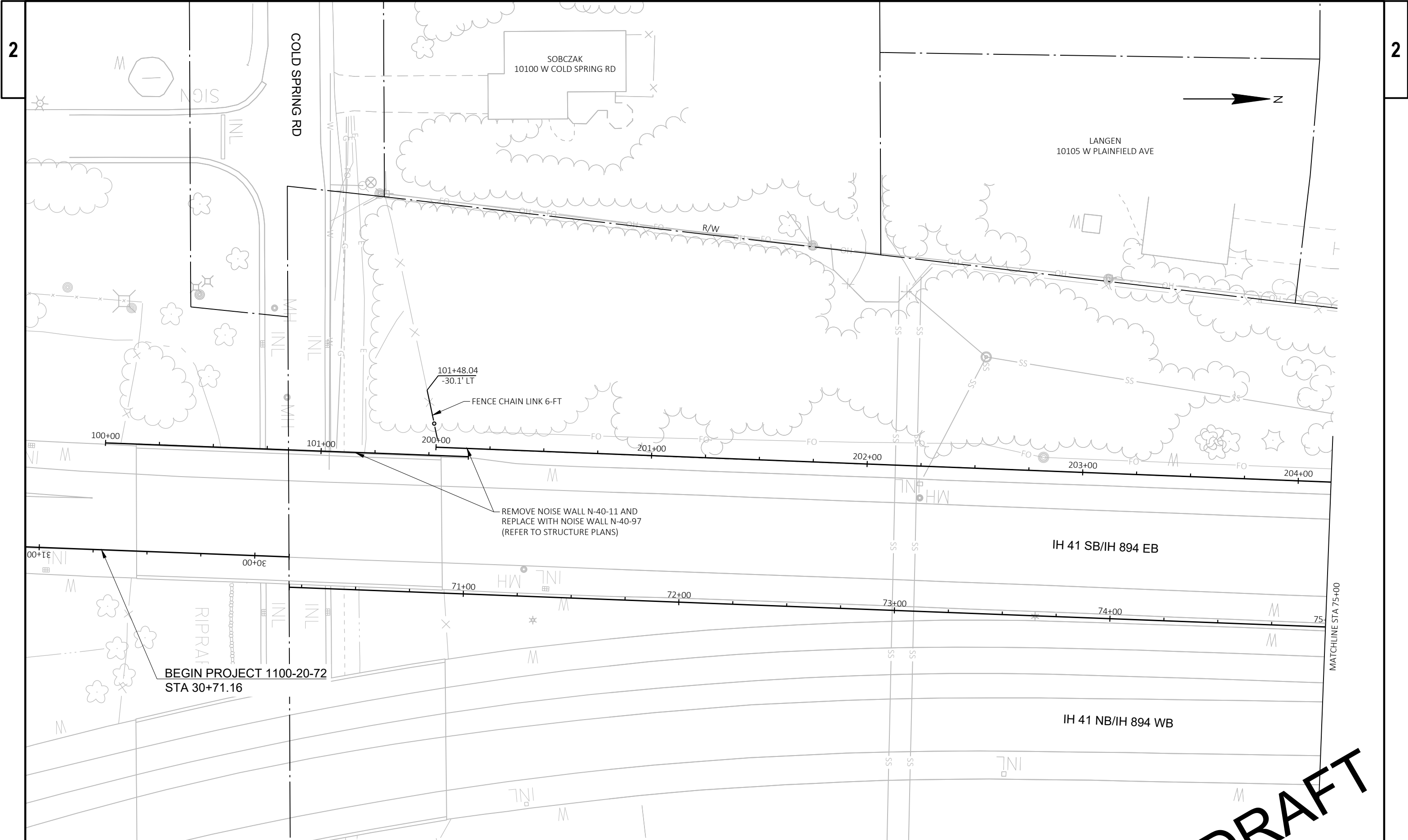
HWY: IH 41

COUNTY: MILWAUKEE

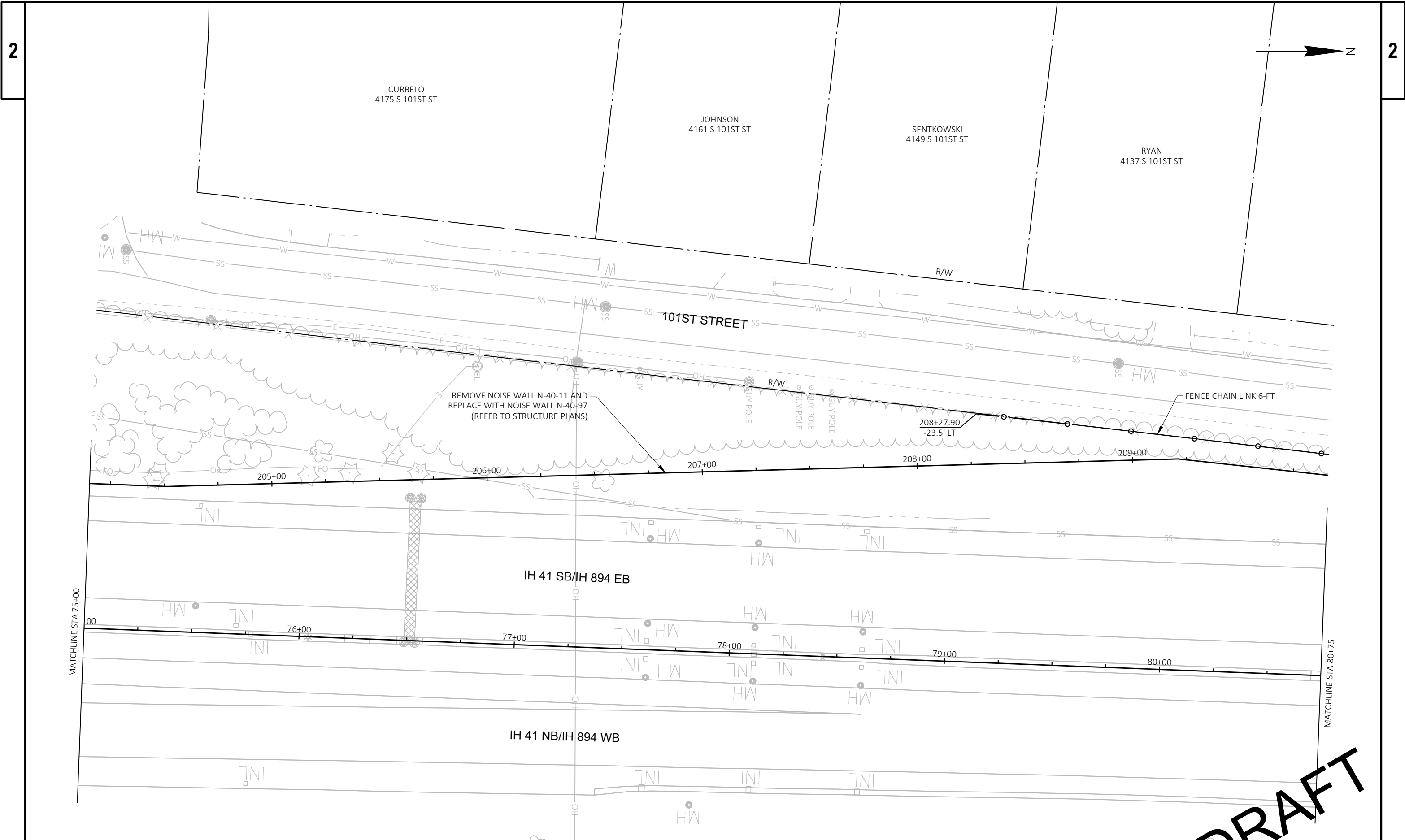
REMOVAL PLANS

SHEET

E



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DRAFT



STEFANOVIC LIFE ESTATES
4125 S 101ST ST

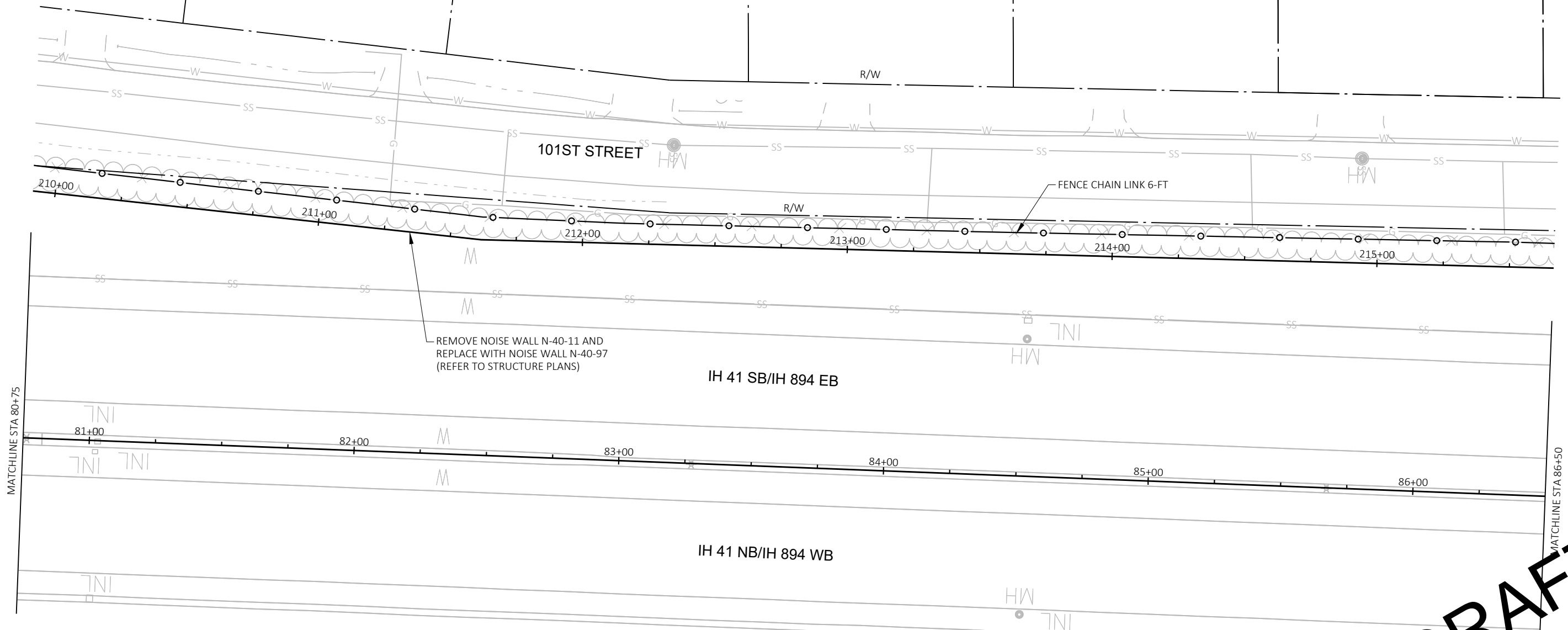
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4113 S 101ST ST

DAMM
4101 S 101ST ST

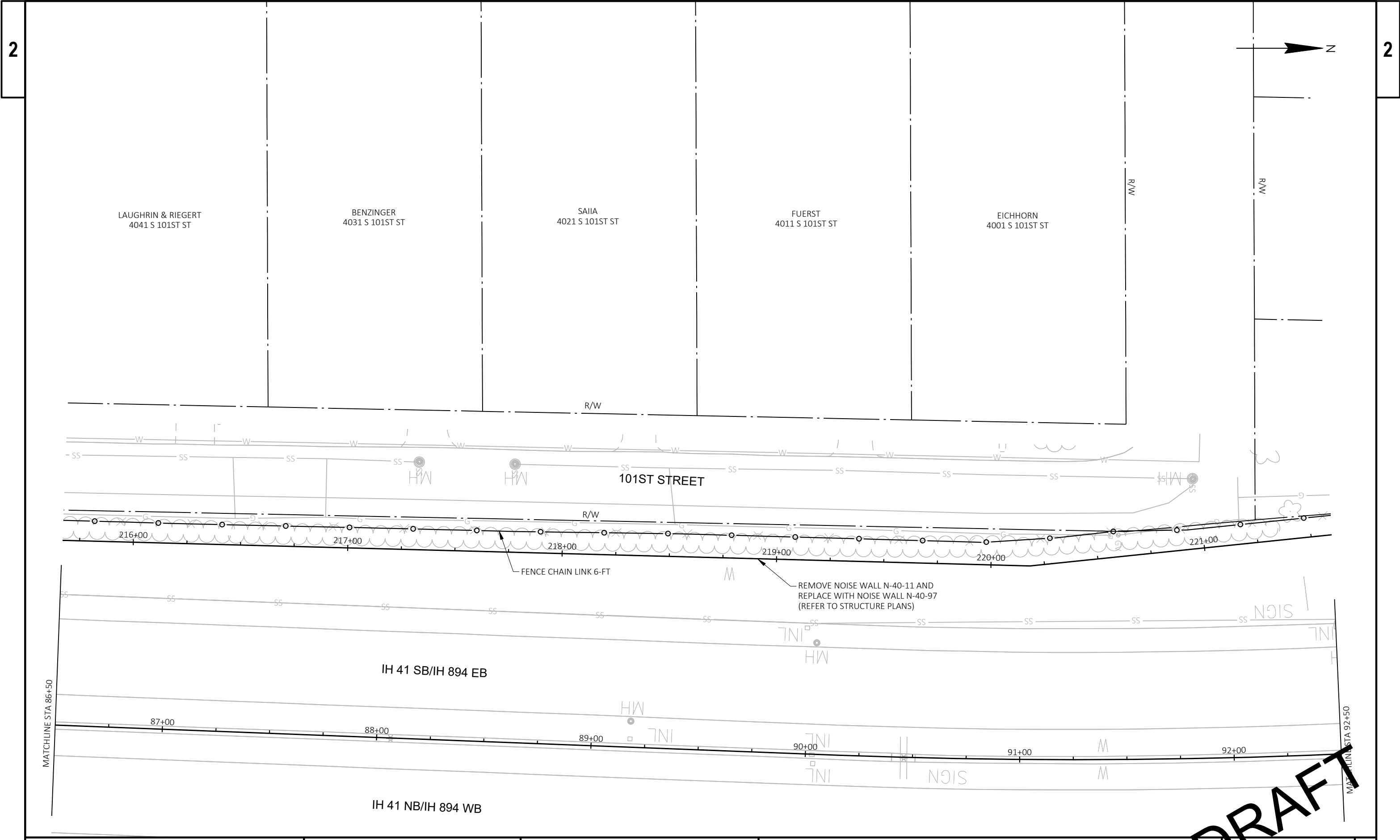
HAMBURGER
4071 S 101ST ST

LIPKA
4061 S 101ST ST

WITTLIEFF
4051 S 101ST ST

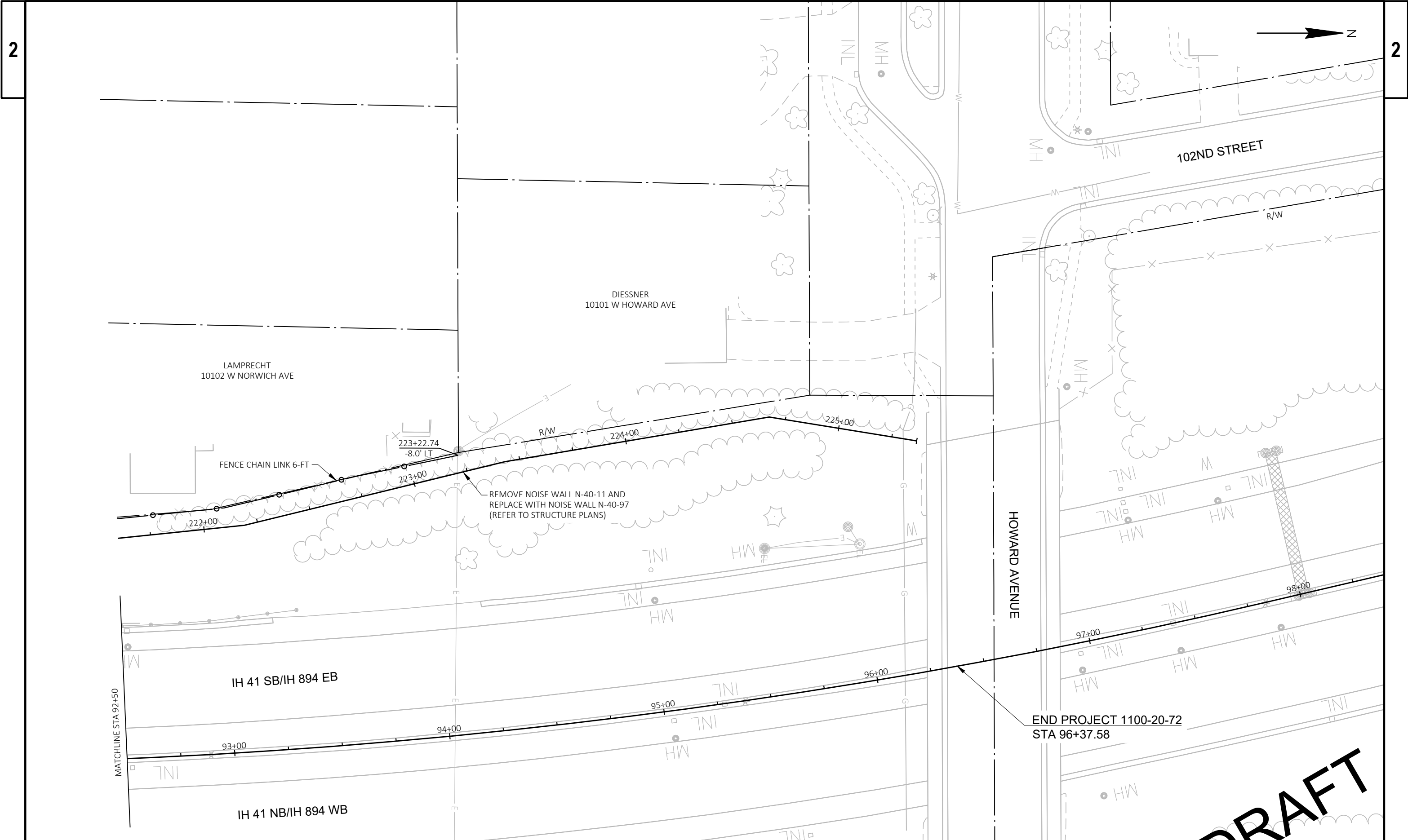


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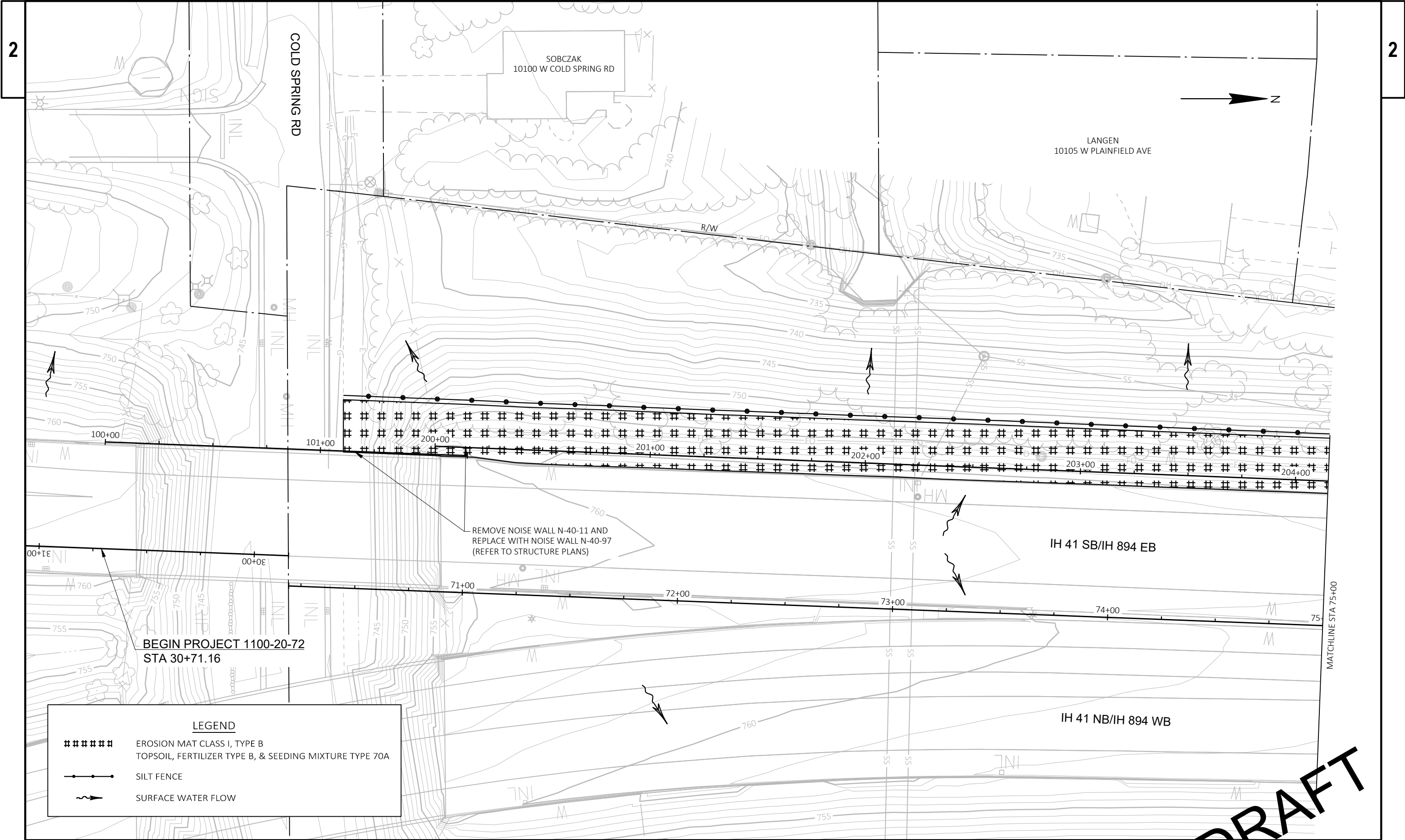


PROJECT NO: 1100-20-72	HWY: IH 41	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E
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DRAFT



BEGIN PROJECT 1100-20-72
STA 30+71.16

REMOVE NOISE WALL N-40-11 AND
REPLACE WITH NOISE WALL N-40-97
(REFER TO STRUCTURE PLANS)

LEGEND

- ##### EROSION MAT CLASS I, TYPE B
TOPSOIL, FERTILIZER TYPE B, & SEEDING MIXTURE TYPE 70A
- SILT FENCE
- ~> SURFACE WATER FLOW

PROJECT NO: 1100-20-72

HWY: IH 41

COUNTY: MILWAUKEE

EROSION CONTROL PLAN

SHEET

E

FILE NAME : N:\PDS\C3D\11002002\SHEETSP\PLAN\022001_EC.DWG
LAYOUT NAME - 022001_ec

PLOT DATE : 6/1/2020 10:53 AM

PLOT BY : JOHANSEN, AMANDA A

PLOT NAME :

PLOT SCALE : 1 IN=40 FT

WISDOT/CADDs SHEET 42

LEGEND

EROSION MAT CLASS I, TYPE B
TOPSOIL, FERTILIZER TYPE B, & SEEDING MIXTURE TYPE 70A

—●— SILT FENCE

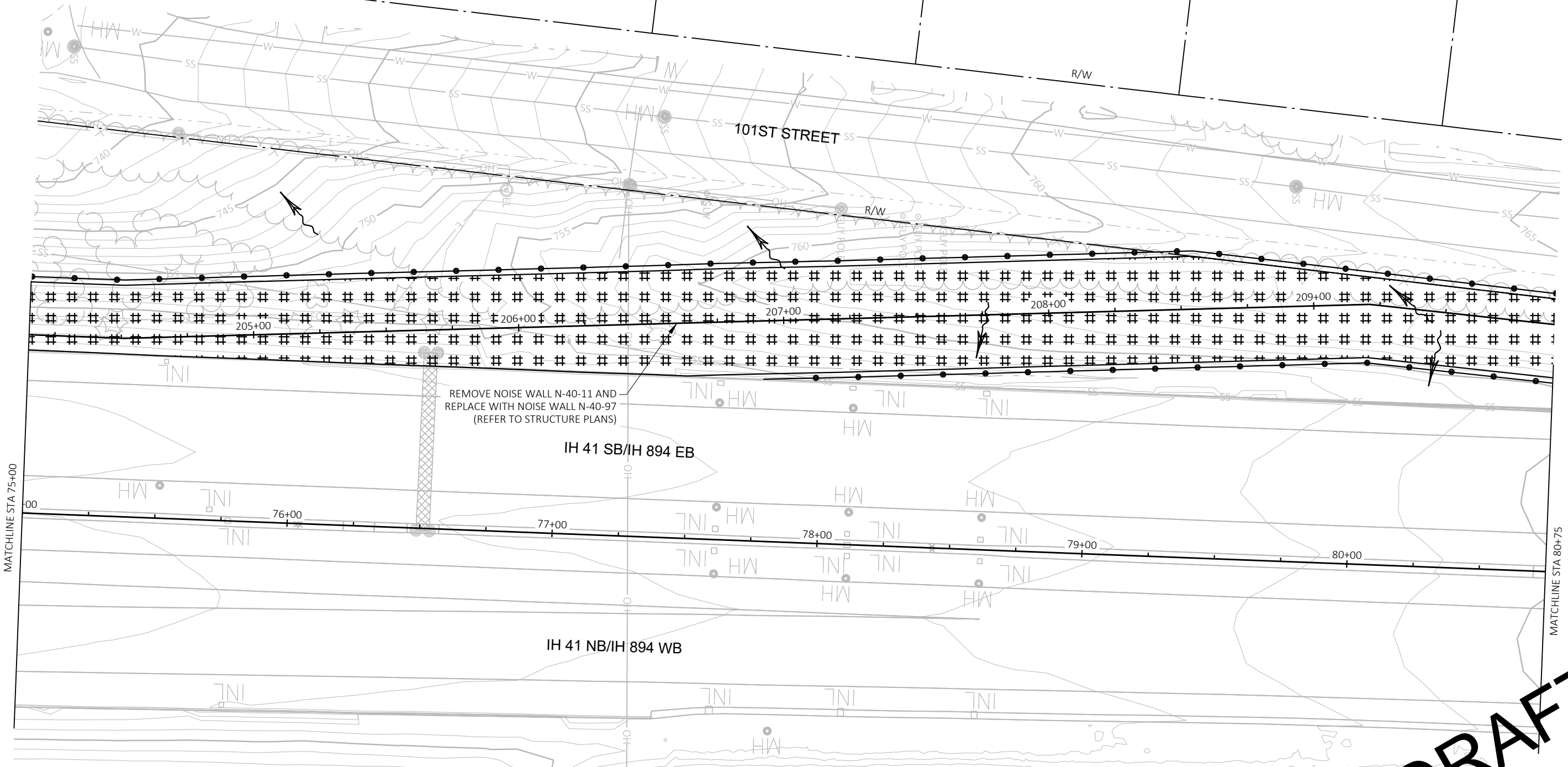
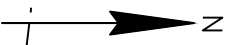
~> SURFACE WATER FLOW

CURBELO
4175 S 101ST ST

JOHNSON
4161 S 101ST ST

SENTKOWSKI
4149 S 101ST ST

RYAN
4137 S 101ST ST



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LEGEND

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EROSION MAT CLASS I, TYPE B
TOPSOIL, FERTILIZER TYPE B, & SEEDING MIXTURE TYPE 70A

—●—●—●—

SILT FENCE

~>

SURFACE WATER FLOW



STEFANOVICE LIFE ESTATES
4125 S 101ST ST

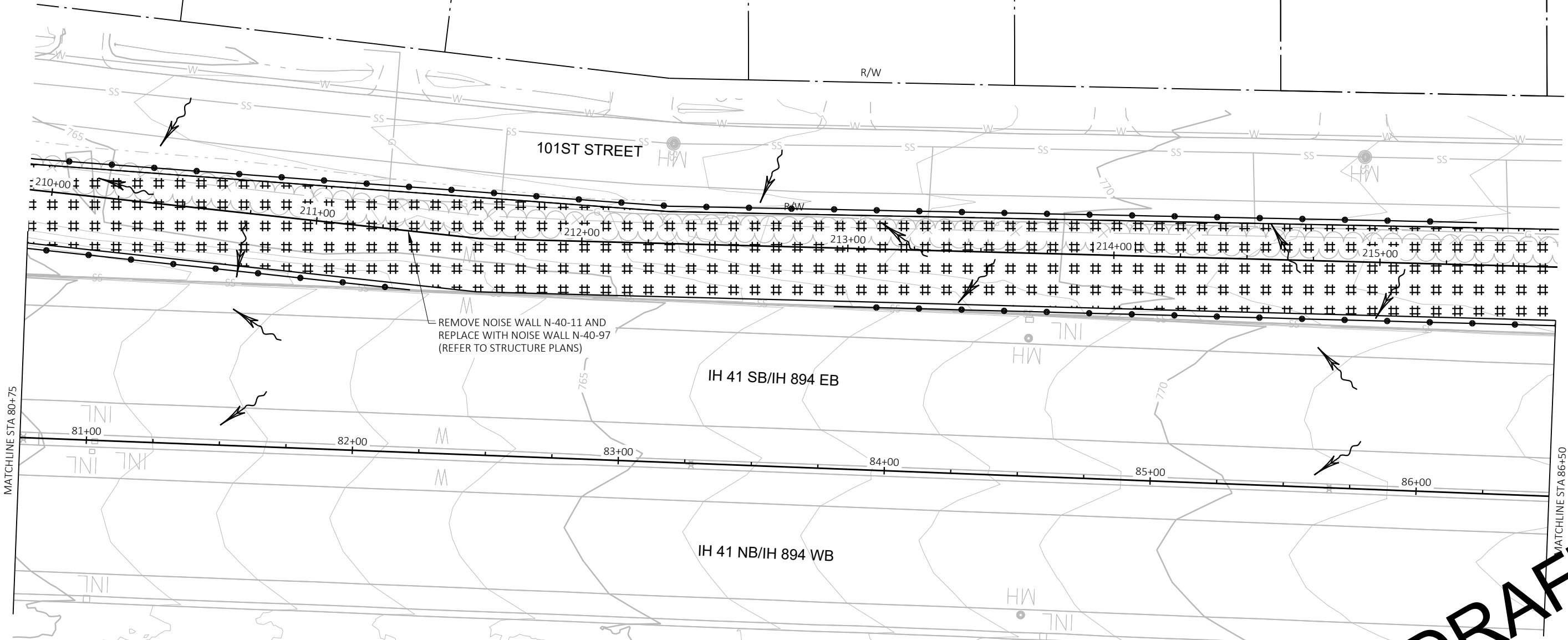
LARSEN
4113 S 101ST ST

DAMM
4101 S 101ST ST

HAMBURGER
4071 S 101ST ST

LIPKA
4061 S 101ST ST

WITTLIEFF
4051 S 101ST ST



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LEGEND

- ##### EROSION MAT CLASS I, TYPE B
TOPSOIL, FERTILIZER TYPE B, & SEEDING MIXTURE TYPE 70A
- SILT FENCE
- ~> SURFACE WATER FLOW

LAUGHRIN & RIEGERT
4041 S 101ST ST

BENZINGER
4031 S 101ST ST

SAIIA
4021 S 101ST ST

FUERST
4011 S 101ST ST

EICHHORN
4001 S 101ST ST

R/W

R/W

R/W

z

101ST STREET

IH 41 SB/IH 894 EB

IH 41 NB/IH 894 WB

REMOVE NOISE WALL N-40-11 AND
REPLACE WITH NOISE WALL N-40-97
(REFER TO STRUCTURE PLANS)

DRAFT

PROJECT NO: 1100-20-72

HWY: IH 41

COUNTY: MILWAUKEE

EROSION CONTROL PLAN

SHEET

E

LEGEND

- ##### EROSION MAT CLASS I, TYPE B
TOPSOIL, FERTILIZER TYPE B, & SEEDING MIXTURE TYPE 70A
- SILT FENCE
- ~> SURFACE WATER FLOW

LAMPRECHT
10102 W NORWICH AVE

REMOVE NOISE WALL N-40-11 AND
REPLACE WITH NOISE WALL N-40-97
(REFER TO STRUCTURE PLANS)

DIESSNER
10101 W HOWARD AVE

102ND STREET

HOWARD AVENUE

IH 41 SB/IH 894 EB

IH 41 NB/IH 894 WB

END PROJECT 1100-20-72
STA 96+37.58

PROJECT NO: 1100-20-72

HWY: IH 41

COUNTY: MILWAUKEE

EROSION CONTROL PLAN

SHEET

E

FILE NAME: N:\PDS\C3D\11002002\SHEETSPLAN\022001_EC.DWG
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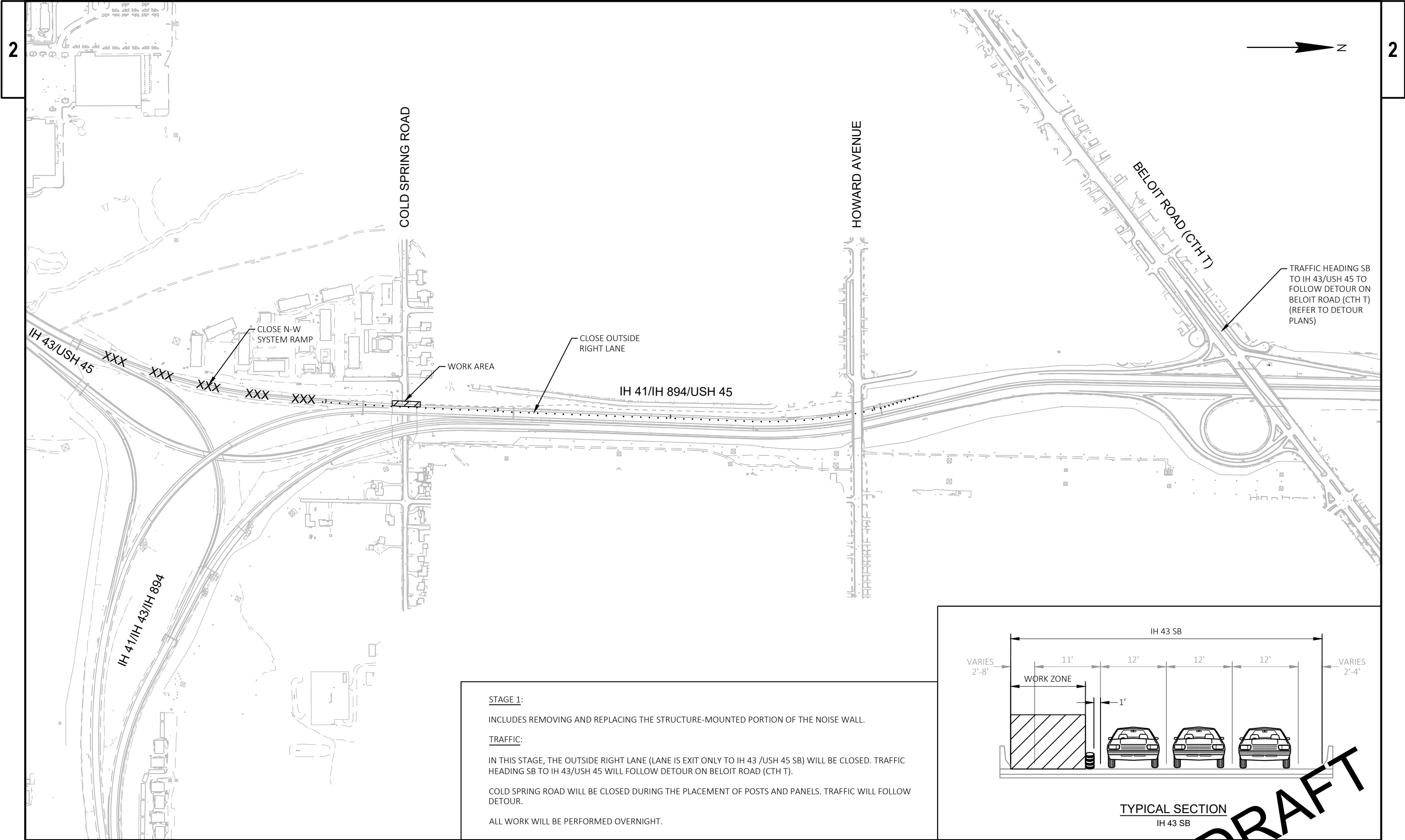
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PLOT BY: JOHANSEN, AMANDA A

PLOT NAME:

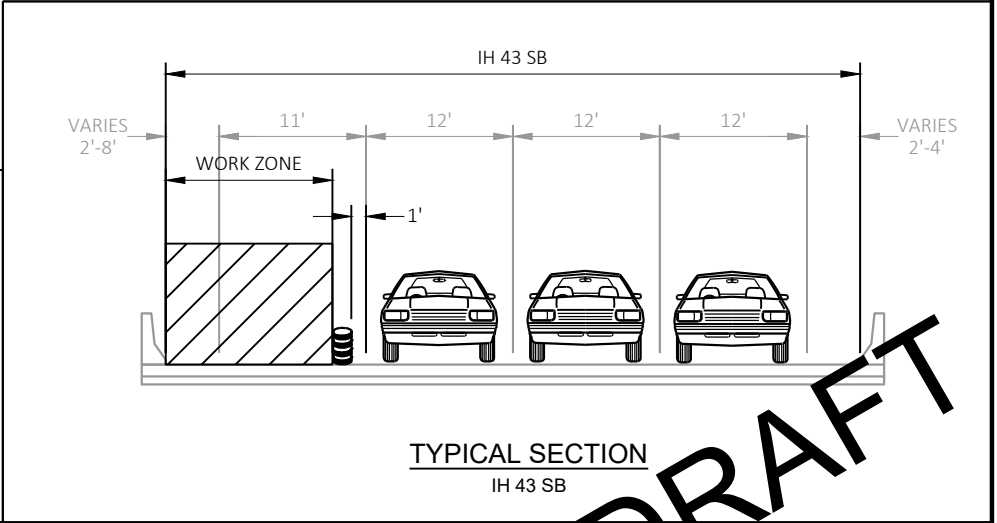
PLOT SCALE: 1 IN=40 FT

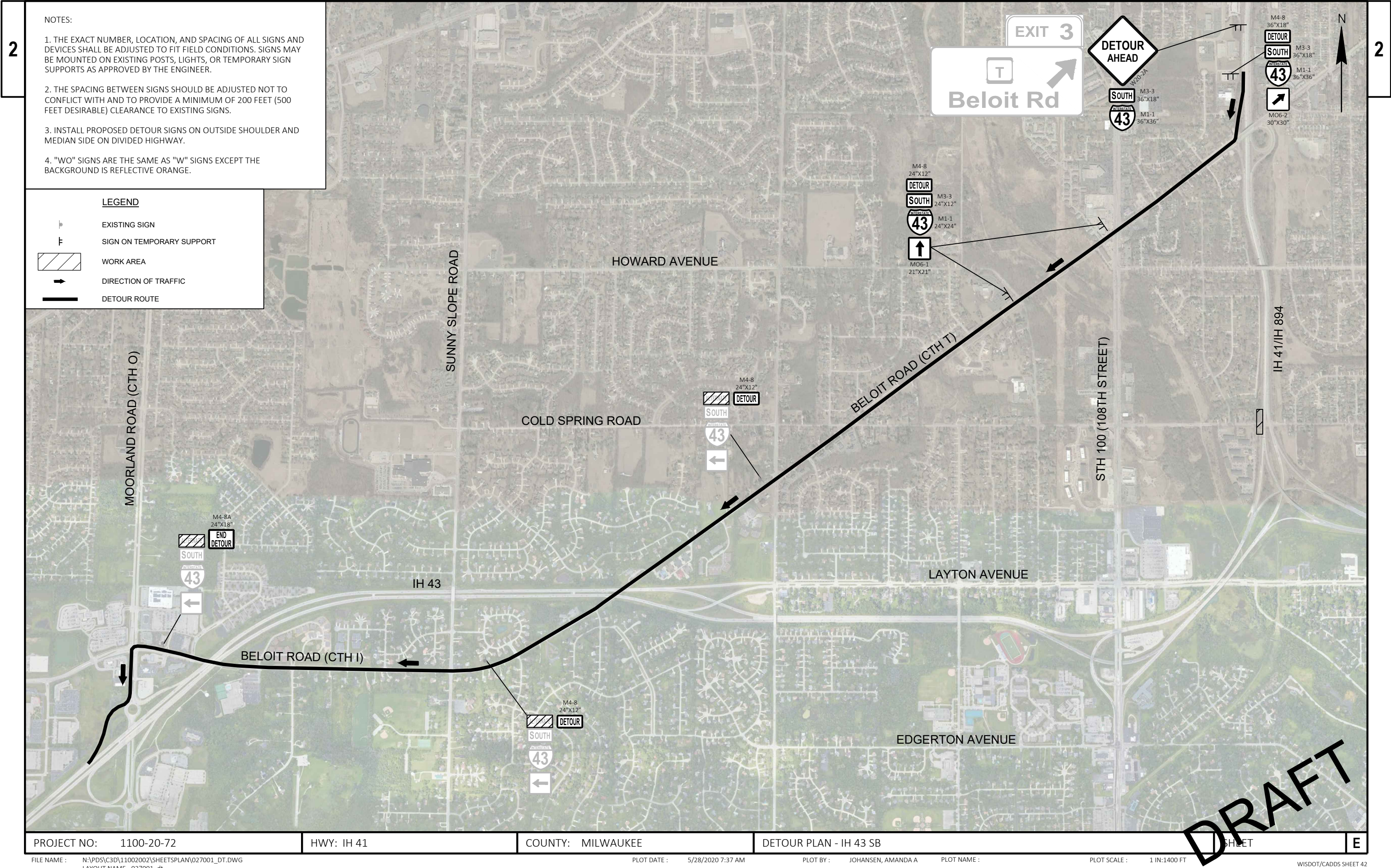
WISDOT/CADDs SHEET 42



STAGE 1:
INCLUDES REMOVING AND REPLACING THE STRUCTURE-MOUNTED PORTION OF THE NOISE WALL.

TRAFFIC:
IN THIS STAGE, THE OUTSIDE RIGHT LANE (LANE IS EXIT ONLY TO IH 43 /USH 45 SB) WILL BE CLOSED. TRAFFIC HEADING SB TO IH 43/USH 45 WILL FOLLOW DETOUR ON BELOIT ROAD (CTH T).
COLD SPRING ROAD WILL BE CLOSED DURING THE PLACEMENT OF POSTS AND PANELS. TRAFFIC WILL FOLLOW DETOUR.
ALL WORK WILL BE PERFORMED OVERNIGHT.

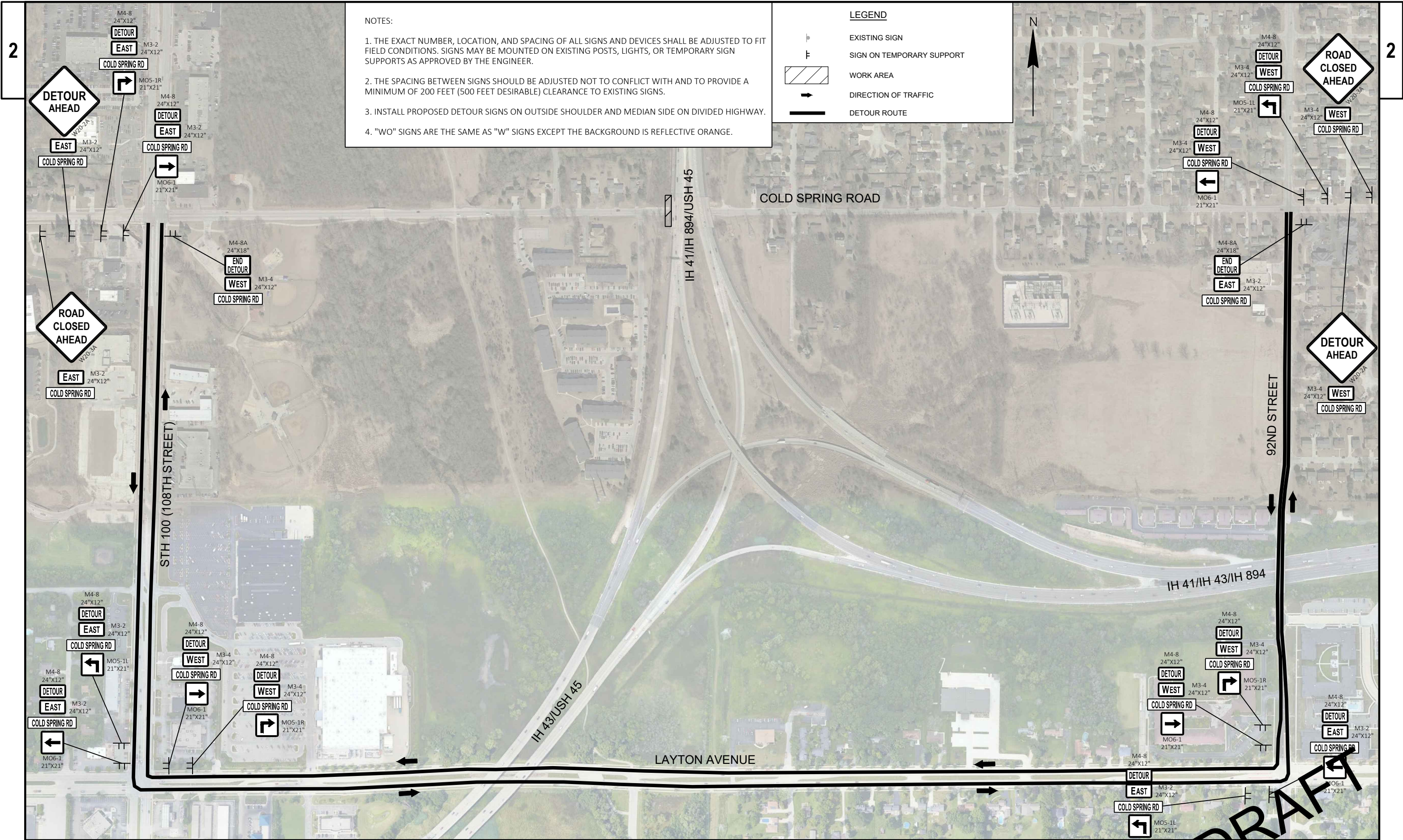




- NOTES:
1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS. SIGNS MAY BE MOUNTED ON EXISTING POSTS, LIGHTS, OR TEMPORARY SIGN SUPPORTS AS APPROVED BY THE ENGINEER.
 2. THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED NOT TO CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.
 3. INSTALL PROPOSED DETOUR SIGNS ON OUTSIDE SHOULDER AND MEDIAN SIDE ON DIVIDED HIGHWAY.
 4. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.

LEGEND

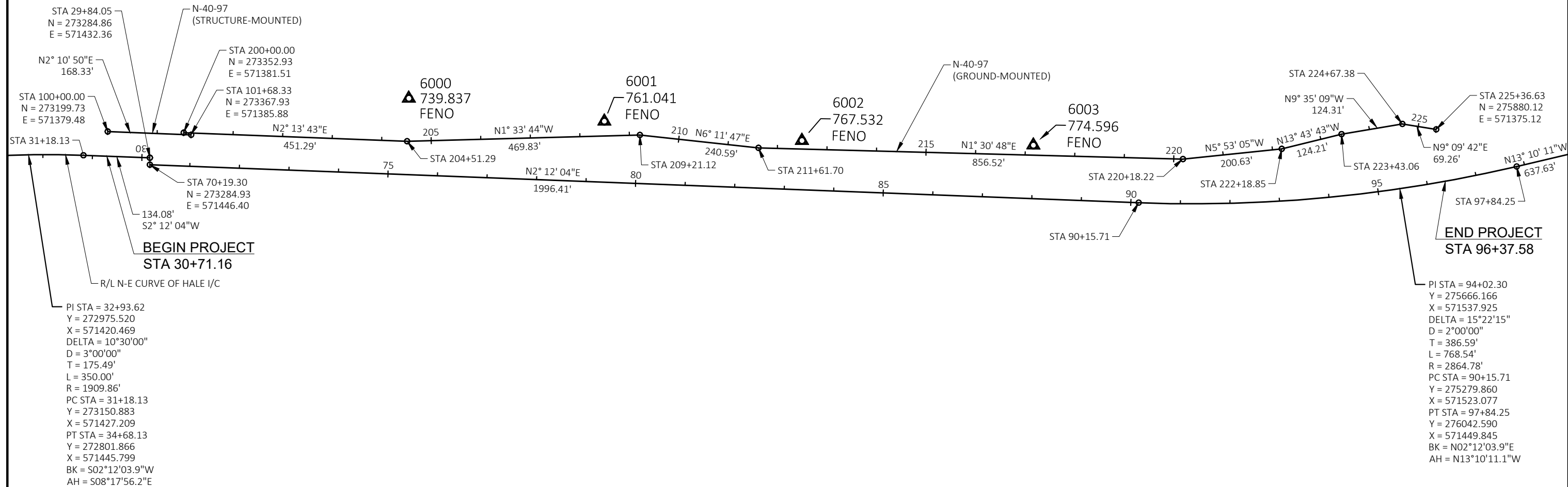
- EXISTING SIGN
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- DETOUR ROUTE



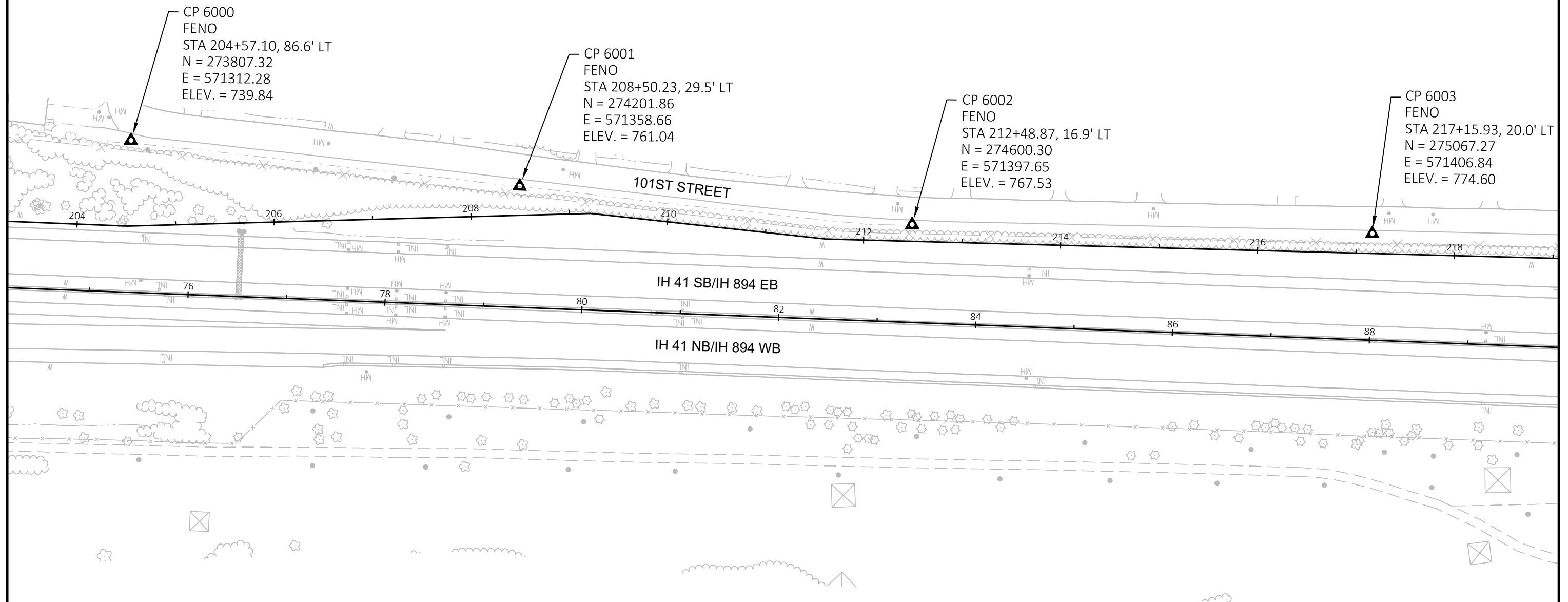
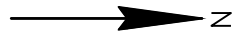
- NOTES:
1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS. SIGNS MAY BE MOUNTED ON EXISTING POSTS, LIGHTS, OR TEMPORARY SIGN SUPPORTS AS APPROVED BY THE ENGINEER.
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 3. INSTALL PROPOSED DETOUR SIGNS ON OUTSIDE SHOULDER AND MEDIAN SIDE ON DIVIDED HIGHWAY.
 4. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.

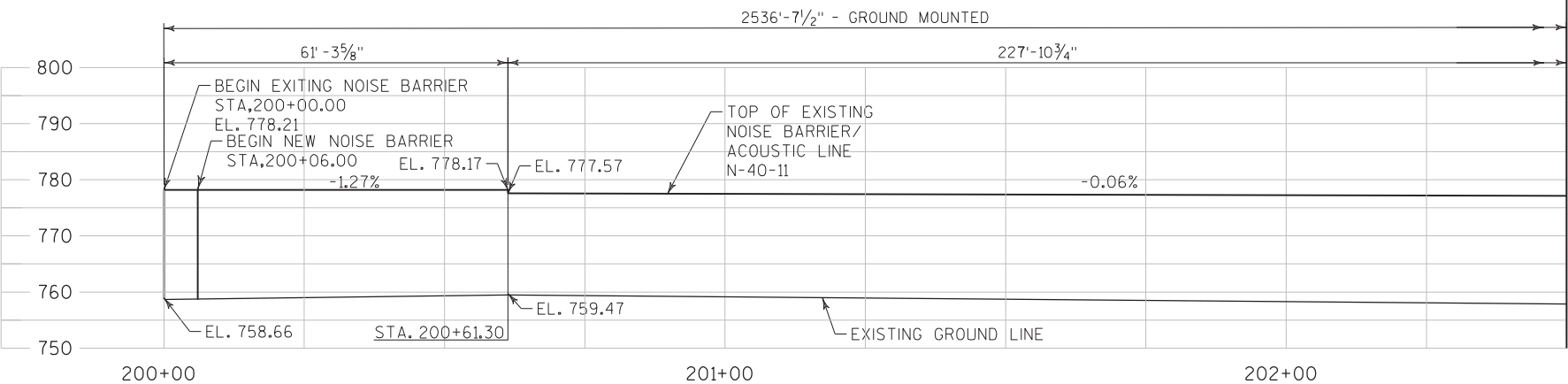
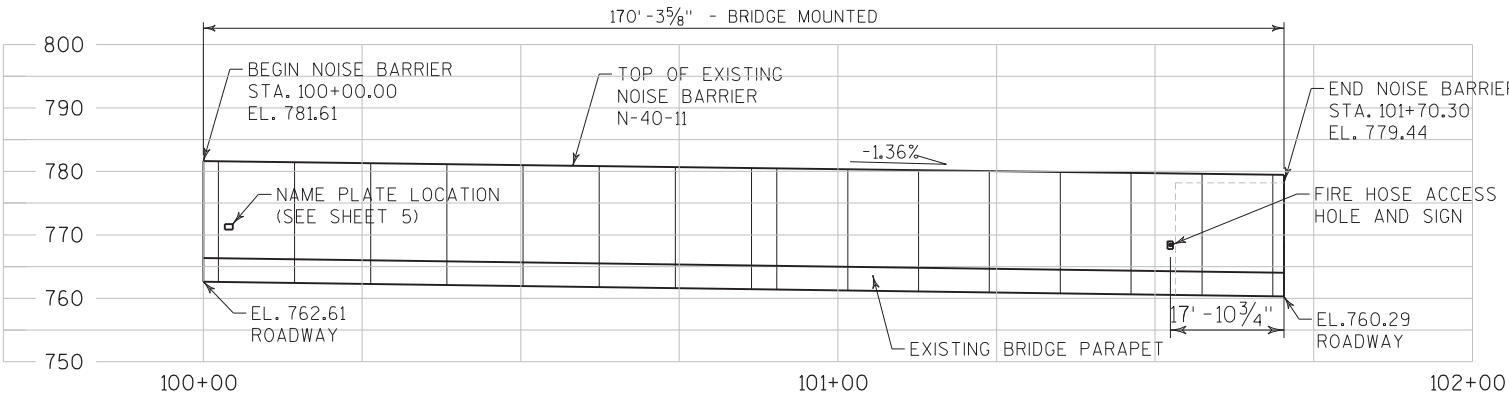
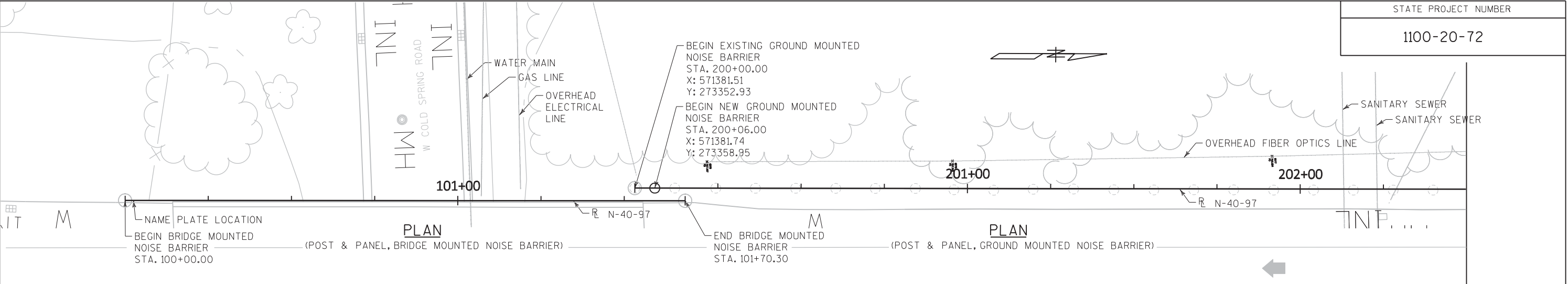
LEGEND

- EXISTING SIGN
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- DETOUR ROUTE



DRAFT

**DRAFT**



LIST OF DRAWINGS:

1. GENERAL PLAN & ELEVATION 1
2. GENERAL PLAN & ELEVATION 2
3. GENERAL PLAN & ELEVATION 3
4. GENERAL PLAN & ELEVATION 4
5. NOTES & CONSTRUCTION DETAILS
6. SUBSURFACE EXPLORATION

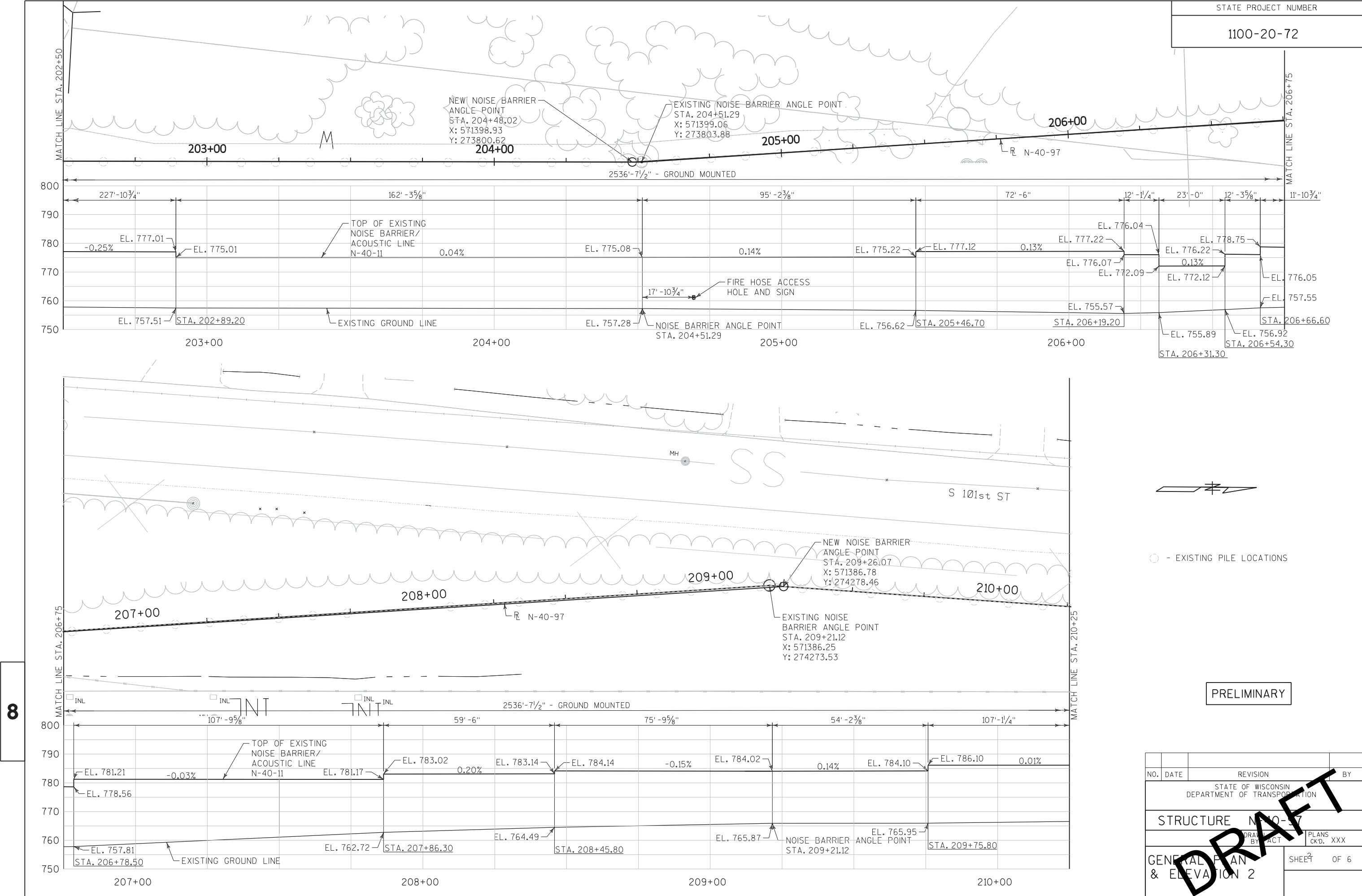
○ - EXISTING PILE LOCATIONS

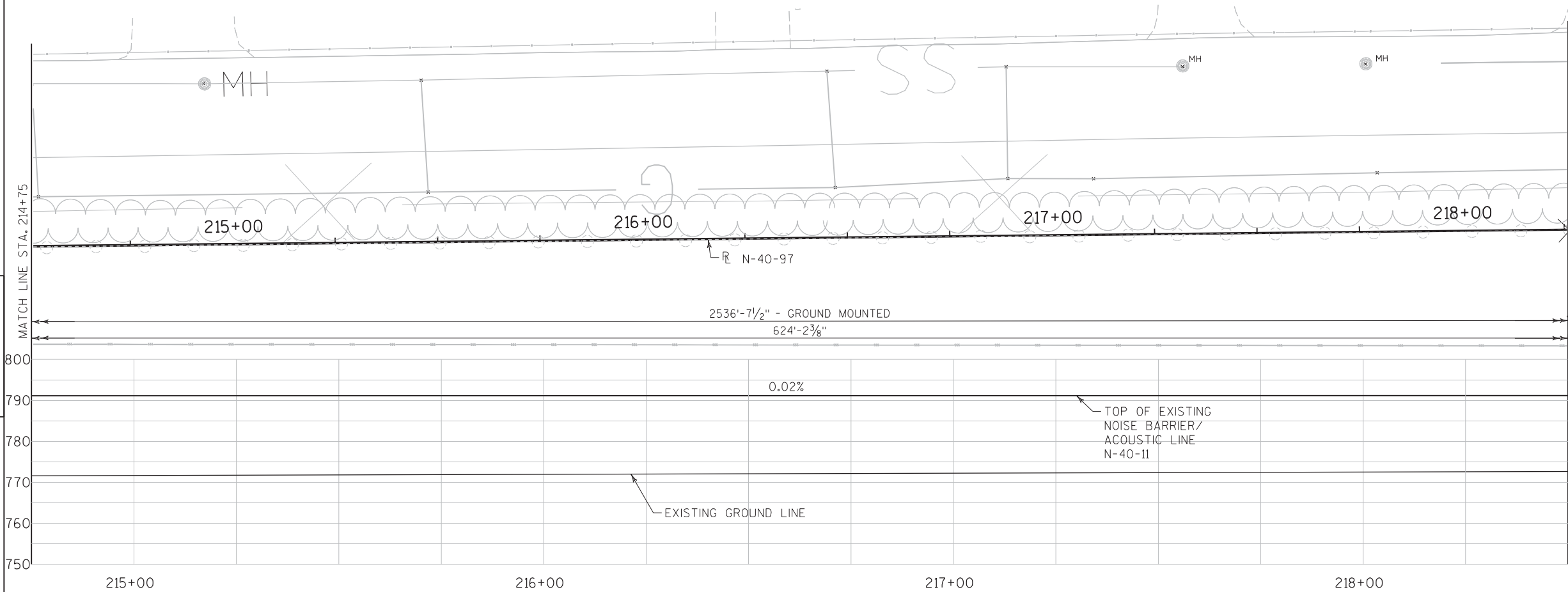
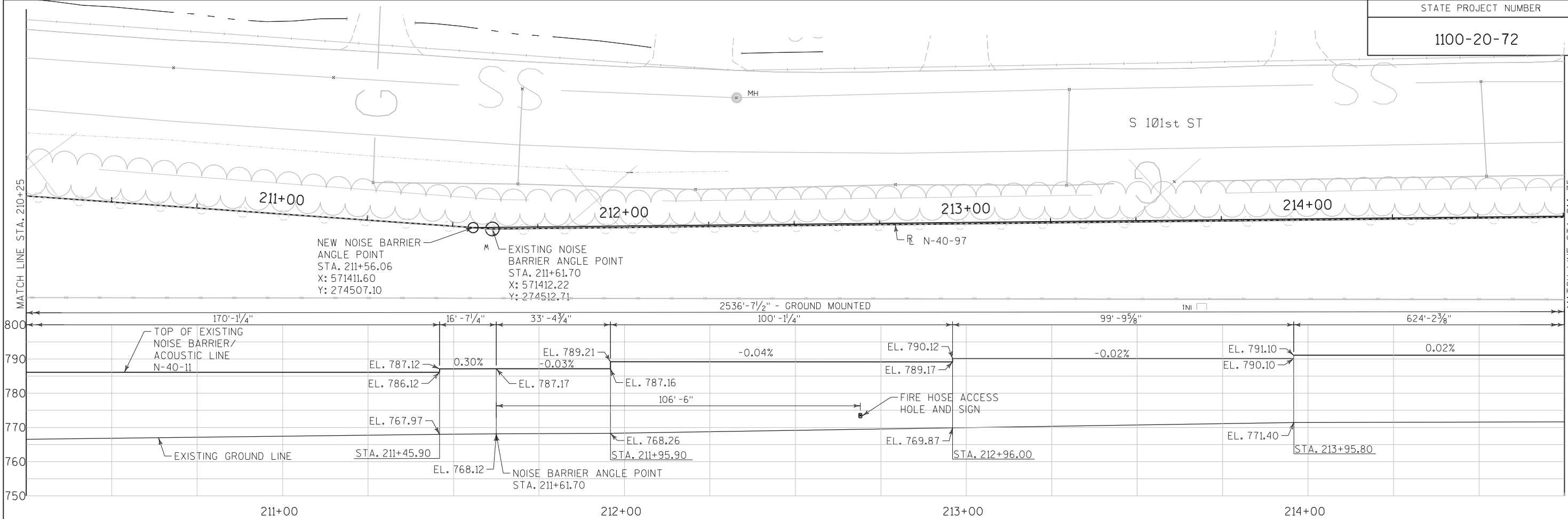
TOTAL ESTIMATED QUANTITIES			
ITEM NUMBER	BID ITEM	UNIT	TOTAL
203.0200	REMOVE OLD STRUCTURE (STA. 8+46.60)	LS	---
531.0300.S	NOISE BARRIER DOUBLE-SIDED SOUND ABSORPTIVE N-40-97	SF	---

STRUCTURES DESIGN CONTACTS

BUREAU OF STRUCTURES:
AARON BONK (608) 261-0261
CONSULTANT CONTACT:
ANN THIELMANN (608) 229-1414

NO.	DATE	REVISION	BY
 www.daarecorp.com Madison, WI 53703 608-249-8340			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER DATE			
STRUCTURE N-40-97			
NOISE BARRIER ALONG I415B: COLD SPRING RD TO HOWARD AVE			
COUNTY	MILWAUKEE	CITY	GREENFIELD
DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATION			
DESIGNED BY	ACT	DESIGNER	CK'D
BY	ACT	DESIGNER	CK'D
GENERAL PLAN & ELEVATION			SHEET 1 OF 6



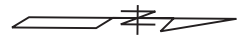
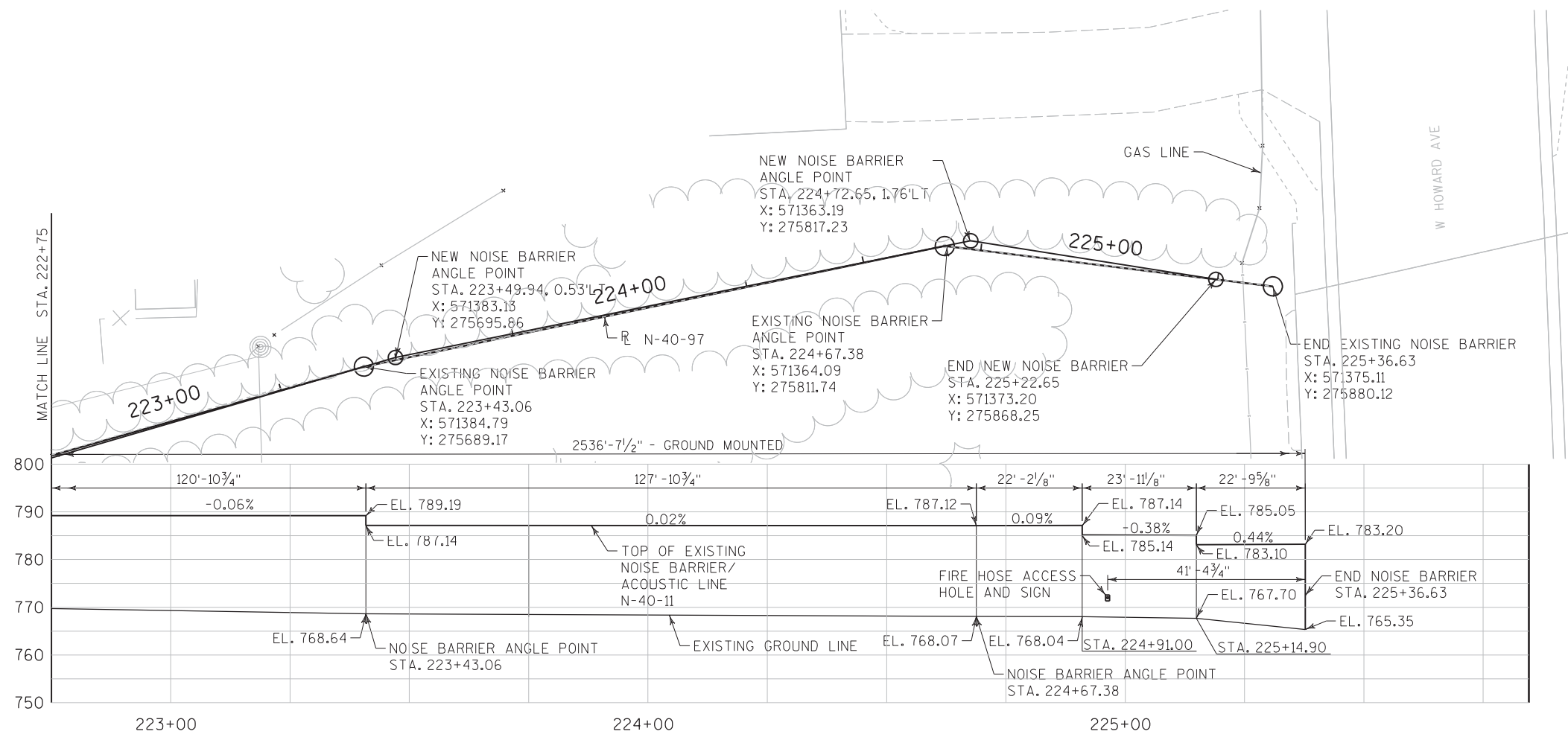
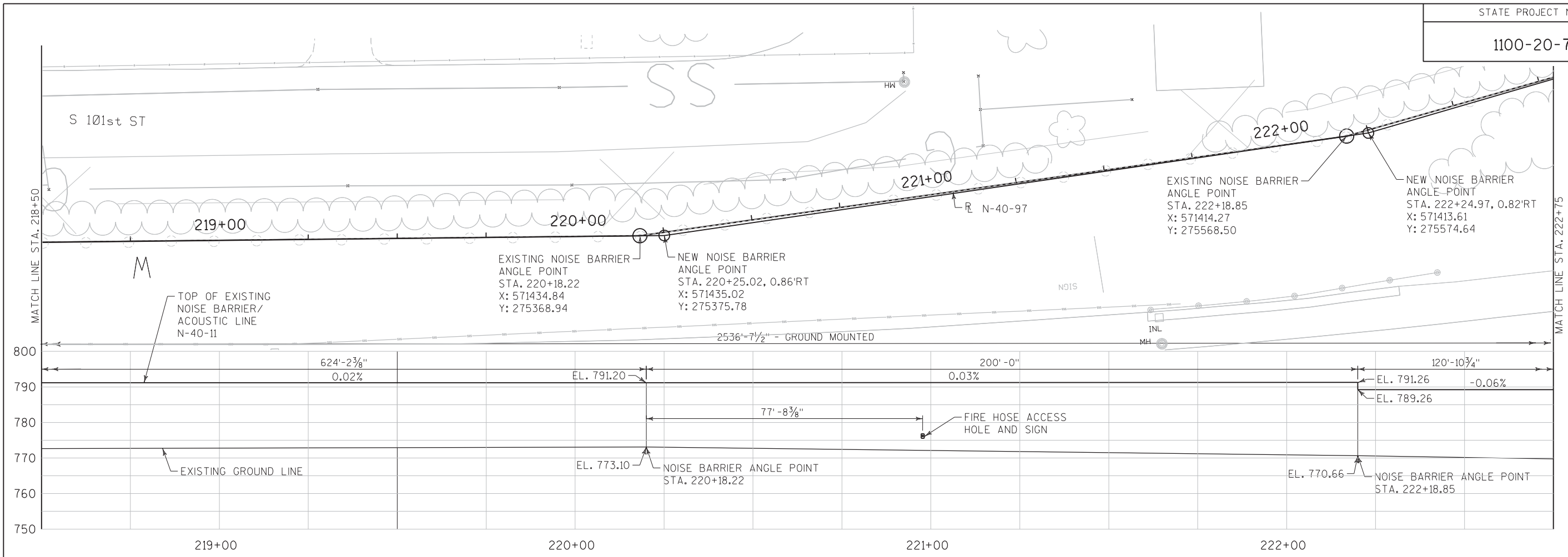


○ - EXISTING PILE LOCATIONS



PRELIMINARY

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE N-40-97			
DRAWN BY: ACT		PLANS CK'D: XXX	
GENERAL PLAN & ELEVATION 3			SHEET 3 OF 6



○ - EXISTING PILE LOCATIONS

PRELIMINARY

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE N-40-57			
DRAWN BY		PLANS CK'D. XXX	
GENERAL PLAN & ELEVATION 4			SHEET 4 OF 6

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE NOISE BARRIER IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE NOISE BARRIER MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCIDENTAL TO THE BID ITEM "NOISE BARRIERS DOUBLE-SIDED SOUND ABSORPTIVE N-40-97".

PLANS, ELEVATIONS AND DETAILS SHOWN ARE INTENDED TO INDICATE LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE NOISE BARRIER IS TO BE DESIGNED USING THE EXISTING GRADE LINE AND THE EXISTING TOP OF BARRIER/ACOUSTICAL LINE SHOWN ON THE GENERAL PLAN AND ELEVATION SHEETS.

THE ACOUSTICAL LINE IS THE TOP PAY LIMIT FOR THE BID ITEM "NOISE BARRIERS DOUBLE-SIDED SOUND ABSORPTIVE N-40-97". NOISE BARRIER PLACED ABOVE THE ACOUSTICAL LINE WILL NOT BE MEASURED FOR PAYMENT, UNLESS APPROVED BY THE ENGINEER.

THE EXISTING/FINISHED GRADE LINE IS THE BOTTOM PAY LIMIT FOR THE BID ITEM "NOISE BARRIERS DOUBLE-SIDED SOUND ABSORPTIVE N-40-97". NOISE BARRIER PLACED BELOW THE FINISHED GRADE LINE WILL NOT BE MEASURED FOR PAYMENT.

ALL NOISE BARRIERS SHALL BE DESIGNED IN ACCORDANCE WITH THE 1989 GUIDE SPECIFICATIONS FOR STRUCTURAL DESIGN OF SOUND BARRIERS, INCLUDING THE 1992 AND 2002 INTERIMS BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY TRANSPORTATION OFFICIALS AND WITH THE CURRENT EDITION OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, INCLUDING ANY INTERIMS BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS.

THE FOLLOWING DESIGN PRESSURES SHALL BE USED IN ACCORDANCE WITH THE SPECIAL PROVISIONS:
28.5 P.S.F. FOR GROUND MOUNTED BARRIERS
37.5 P.S.F. FOR STRUCTURE MOUNTED BARRIERS

BEARING PADS AND CONCRETE PEDESTALS SHALL BE INCIDENTAL TO THE BID ITEM "NOISE BARRIERS DOUBLE-SIDED SOUND ABSORPTIVE N-40-97".

A COMPRESSIBLE BEARING PAD OF 1/4" THICK SHALL BE PROVIDED BETWEEN THE FOUNDATION AND THE BOTTOM PANELS. THE BEARING PADS SHALL BE PREFORMED EPDM RUBBER CONFORMING TO ASTM D-2000, GRADE 2, TYPE A, CLASS A WITH A MINIMUM DUROMETER HARDNESS OF 80.

PRECAST CONCRETE PEDESTALS PLACED BETWEEN THE FOUNDATION AND THE BOTTOM OF THE PANELS SHALL BE REINFORCED IF OVER 1'-0" HIGH.

INCLUDE THE COST OF THE STONE PATTERN SURFACE TREATMENT, REVEALS, COATING OF STEEL POSTS AND CONNECTIONS, AND COLORING/STAINING THE PANELS, UNDER THE BID ITEM "NOISE BARRIERS DOUBLE-SIDED SOUND ABSORPTIVE N-40-97".

LOCATE HYDRANT ACCESS HOLES IN NOISE BARRIERS WITH COVER SIGNS AT LOCATIONS SHOWN ON THE GENERAL PLAN & ELEVATION SHEETS. PROVIDING HYDRANT ACCESS HOLES IS INCIDENTAL TO THE BID ITEM "NOISE BARRIERS DOUBLE-SIDED SOUND ABSORPTIVE N-40-97".

INSTALL FREE DRAINING GRANULAR MATERIAL ALONG THE ENTIRE LENGTH OF THE WALL AT THE BOTTOM OF THE NOISE BARRIERS AS SHOWN IN THE NOISE BARRIER PLANS AND AS REQUIRED TO FILL IN GAPS UNDER THE NOISE BARRIER PANEL. FREE DRAINING GRANULAR MATERIAL IS INCIDENTAL TO THE BID ITEM "NOISE BARRIERS DOUBLE-SIDED SOUND ABSORPTIVE N-40-97".

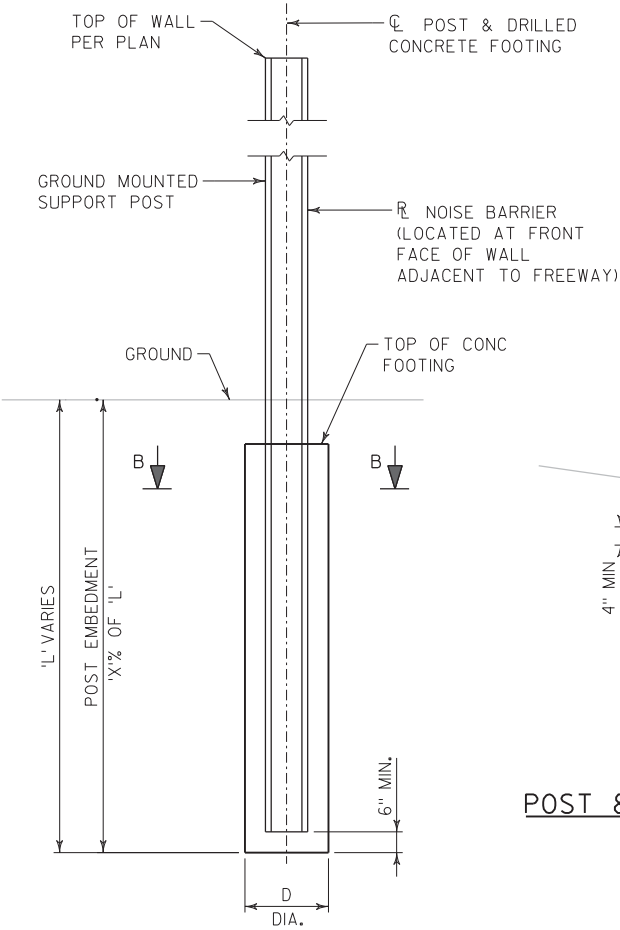
THE SUBSURFACE INFORMATION PRESENTED IN THESE PLANS ARE FROM THE ORIGINAL 1988 PLANS, BORINGS COMPLETED BY WARZYN ENGINEERING, INC. AND IS AN ABBREVIATED VERSION OF THE INFORMATION PRESENTED IN THE GEOTECHNICAL ENGINEERING REPORT. REVIEW THE APPROPRIATE GEOTECHNICAL REPORT AND SOIL BORING LOGS FOR ADDITIONAL SUBSURFACE INFORMATION.

ALL CONCRETE MASONRY FOR NOISE BARRIER FOUNDATIONS IS SUBJECT TO THE QMP REQUIREMENTS FOR CLASS II ANCILLARY CONCRETE. PERFORM QMP TESTING OF CONCRETE MASONRY FOR NOISE BARRIER FOUNDATIONS IN ACCORDANCE WITH SECTION 716 OF THE STANDARD SPECIFICATIONS FOR CLASS II ANCILLARY CONCRETE. QMP TESTING IS INCIDENTAL TO THE BID ITEM "NOISE BARRIERS DOUBLE-SIDED SOUND ABSORPTIVE N-40-97".

HOTLINE ALL UTILITIES. IN AREAS WHERE EXISTING UTILITIES ARE WITHIN 3 FEET OF THE PROPOSED WALL, EXPOSE EXISTING UTILITIES PRIOR TO EXCAVATION. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ANY TEMPORARY GRADING DOES NOT IMPACT UTILITIES OR TO COORDINATE WITH AFFECTED UTILITIES TO ACCOMMODATE TEMPORARY GRADING.

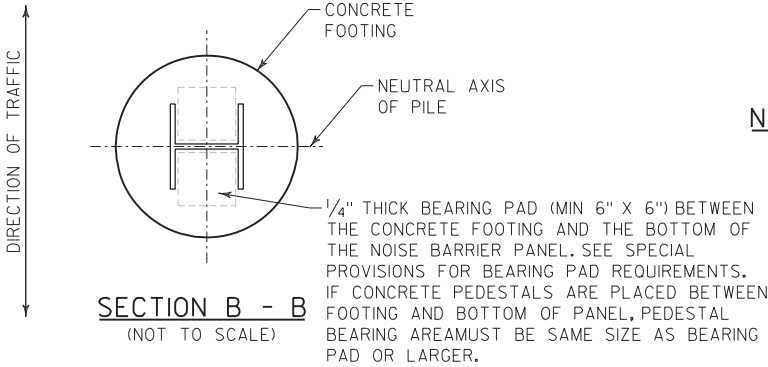
INCLUDE THE FOLLOWING ITEMS AND ACTIVITIES IN THE BID PRICE FOR "NOISE BARRIERS DOUBLE-SIDED SOUND ABSORPTIVE N-40-97":
CONTRACTOR ACCESS TO CONSTRUCT NOISE BARRIER INCLUDING ANY TEMPORARY HAUL ROAD IF REQUIRED; DELIVERING ADDITIONAL GRADING MATERIAL; PLACING AND MAINTAINING TEMPORARY GRADING MATERIALS; PREPARING AND MAINTAINING AREA TO STORE NOISE BARRIER COMPONENTS; REMOVING TEMPORARY GRADING MATERIALS; AND RESTORING GRADE TO APPROXIMATELY MATCH THE EXISTING GRADE AND THE LOCALIZED GRADING NEAR THE NOISE BARRIER AS SHOWN IN THESE PLANS.

NOISE BARRIER NAME PLATE SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "NOISE BARRIER DOUBLE-SIDED SOUND ABSORPTIVE N-40-93". LOCATE THE NAME PLATE ON THE FREEWAY SIDE OF THE NOISE BARRIER AT THE BEGINNING OF THE BARRIER WALL. FABRICATE AND INSTALL THE NAME PLATE IN ACCORDANCE WITH S.D.D. 12 A 3-10.

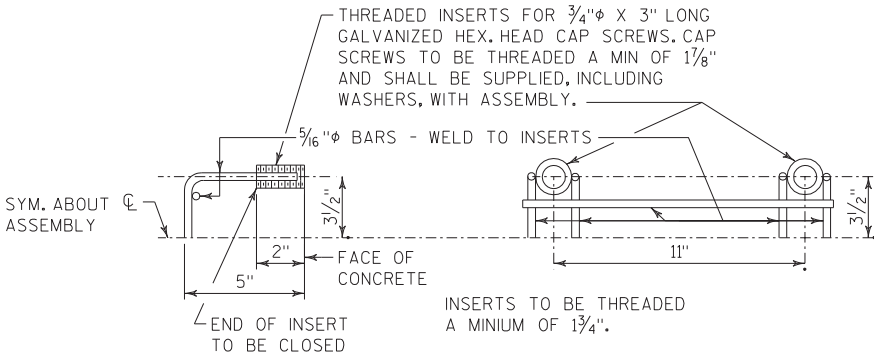


SECTION THRU GROUND MOUNTED POST & DRILLED CONC FOOTING

TYPICAL AT EACH POST LOCATION
(NOT TO SCALE)
(“D”, “L” AND “X” TO BE DETERMINED BY SUPPLIER)



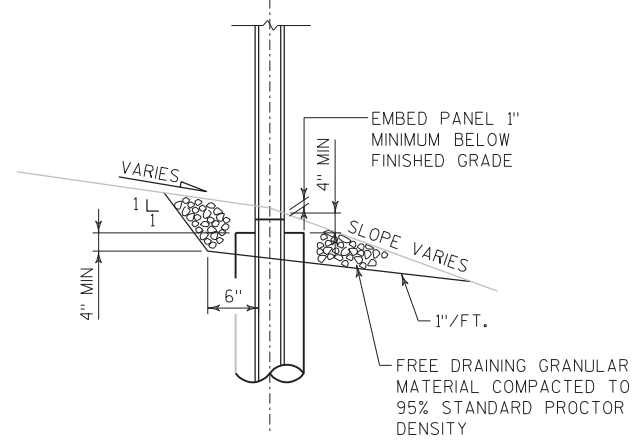
SECTION B - B
(NOT TO SCALE)



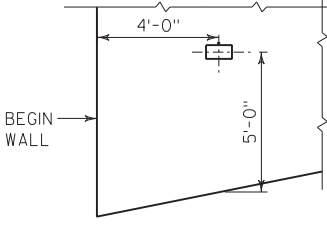
EXISTING BARRIER ANCHOR ASSEMBLY

NOTE: HEX. HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

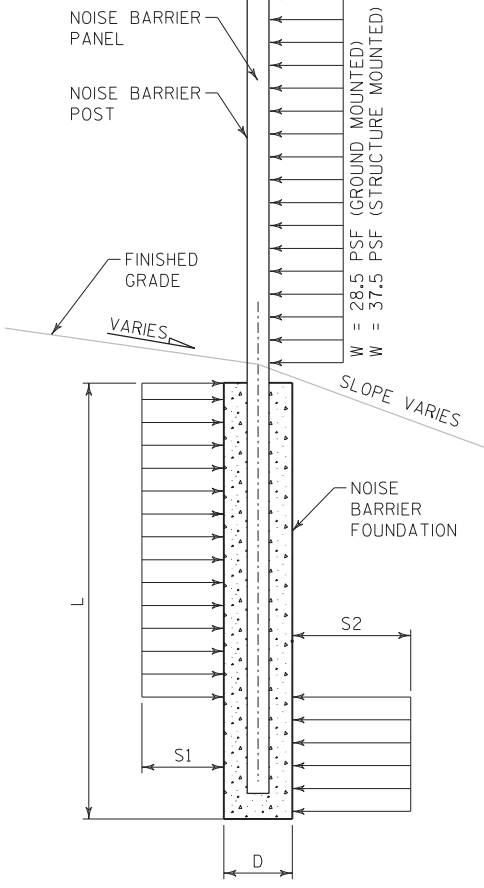
TOP OF WALL SHALL BE AT OR ABOVE THE EXISTING ACCOSTICAL LINE AS LABELED IN THE PLAN & PROFILE ON GENERAL PLAN & ELEVATION SHEETS.



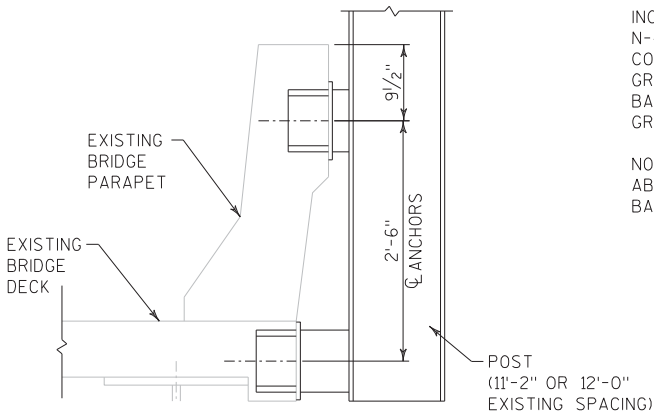
POST & PANEL DRAINAGE BACKFILL DETAIL
(SLOPED GRADE)
(NOT TO SCALE)



NAME PLATE DETAIL
(NOT TO SCALE)



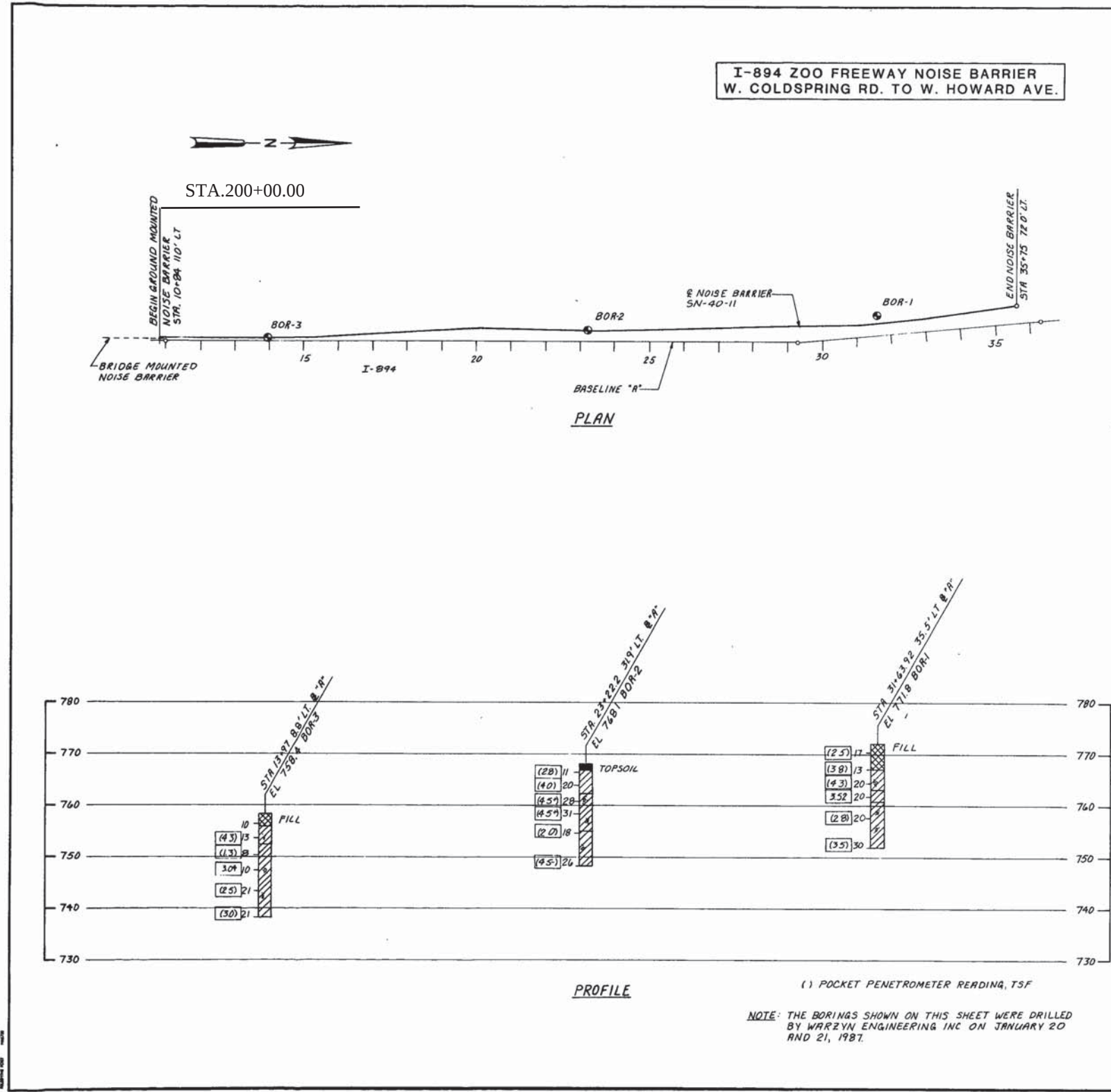
W = DESIGN WIND LOAD
L = NOISE BARRIER FOUNDATION DEPTH BELOW EXISTING GROUND
D = NOISE BARRIER FOUNDATION DIAMETER
S = ALLOWABLE SOIL PRESSURE
NOISE BARRIER LOADING DIAGRAM
(NOT TO SCALE)



EXISTING SECTION THRU STRUCTURE MOUNTED POST

(NOT TO SCALE)

NO.		DATE		REVISION		BY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION							
STRUCTURE				N-40-97			
DRAWN BY				FACT		PLANS CK'D. PF	
NOTES & CONSTRUCTION DETAILS				SHEET 5 OF 6			



STATE PROJECT I.D. 1090-04-01		SHEET NUMBER 8.5	
ABBREVIATIONS F - FINE M - MEDIUM C - COARSE WS - WEATHERED SO - SOUND			
MATERIAL SYMBOLS TOPSOIL SAND GRAVEL SILT PEAT CLAY SANDSTONE LIMESTONE IGNEOUS ROCK			
LEGEND OF PROBING 95/6 - 95 Blows for 6" Penetration PROBING TAKEN WITH A 350# WT. FALLING 18" ON A 2" O.D. POINT. 7 AVERAGE BLOWS PER FOOT REFUSAL 95/6			
LEGEND OF BORING UNCONFINED STRENGTH 7.7 BLOWS PER FT. USING 140# WT. FALLING 30" WASH SAMPLE SHELBY TUBE - S.T. GROUND WATER ELEVATION NO GROUND WATER OBSERVED ABOVE THIS ELEVATION BORING NO. STA. ELEV. SANDY GRAVEL F. SAND BOULDERS OR COBBLES SILTY CLAY SO LIMESTONE			
SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION To obtain relative data concerning the character of material in and upon which the foundation might be built, borings and/or soundings were made at points approximately as indicated on this drawing. The data presented herein represents the findings of the subsurface explorations made. However, because the depths investigated are limited and the area of the borings and/or soundings is very small in relation to the entire area, the Division of Highways does not warrant conditions below the depths investigated or that the classification of material encountered in these investigations is necessarily typical of the entire site.			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURE SN-40-II Const. Spec. 1981 By MJB Checked By DJB SUBSURFACE EXPLORATION SHEET 6 OF 6 X81686			

STATE PROJECT NUMBER 1100-20-72			
ABBREVIATIONS F - FINE M - MEDIUM C - COARSE WS - WEATHERED SO - SOUND			
MATERIAL SYMBOLS TOPSOIL SAND GRAVEL SILT PEAT CLAY SANDSTONE LIMESTONE IGNEOUS ROCK			
LEGEND OF PROBING 95/6=95 BLOWS FOR 6" PENETRATION PROBING TAKEN WITH A 350# WT. FALLING 18" ON A 2" O.D. POINT. 7 AVERAGE BLOWS PER FOOT REFUSAL 95/6			
LEGEND OF BORING UNCONFINED STRENGTH 7.7 BLOWS PER FT. USING 140# WT. FALLING 30" WASH SAMPLE SHELBY TUBE - S.T. GROUND WATER ELEVATION NO GROUND WATER OBSERVED ABOVE THIS ELEVATION BORING NO. STA. ELEV. SANDY GRAVEL F. SAND BOULDERS OR COBBLES SILTY CLAY SO LIMESTONE			
SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION TO OBTAIN RELATIVE DATA CONCERNING THE CHARACTER OF MATERIAL IN AND UPON WHICH THE FOUNDATION MIGHT BE BUILT, BORINGS AND/OR SOUNDINGS WERE MADE AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING. THE DATA PRESENTED HEREIN REPRESENTS THE FINDINGS OF THE SUBSURFACE EXPLORATIONS MADE. HOWEVER, BECAUSE THE DEPTHS INVESTIGATED ARE LIMITED AND THE AREA OF THE BORINGS AND/OR SOUNDINGS IS VERY SMALL IN RELATION TO THE ENTIRE AREA, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT CONDITIONS BELOW THE DEPTHS INVESTIGATED OR THAT THE CLASSIFICATION OF MATERIAL ENCOUNTERED IN THESE INVESTIGATIONS IS NECESSARILY TYPICAL OF THE ENTIRE SITE.			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURE SN-40-II Const. Spec. 1981 By MJB Checked By DJB SUBSURFACE EXPLORATION SHEET 6 OF 6 X81686			

EPlans Preliminary Sheet Numbering Tool

This sheet: ftp://ftp.dot.state.wi.us/transp/roads/eplans/prelim_sheet_numbers.pdf

Notes

- Acrobat 5 or higher is required to use this tool.
- The Bureau of Highway Construction places sheet numbers in the final plan.
- This sheet is for placing preliminary sheet numbers with a "PRE_" prefix.
- If a plan contains multiple projects, number each plan individually.
- Leave this sheet in the plan.

TO ADD PRELIMINARY SHEET NUMBERS

1. Insert this sheet at the end of the plan

- a. With the plan open in Acrobat, select Document > Insert Pages.
- b. In the Select File to Insert dialog box, select this file (prelim_sheet_numbers.pdf)
- c. In the Insert dialog box, choose After for Location and Last page for Page.
- d. Click OK.

2. Click the Place Preliminary Sheet Numbers button

- a. Go to the last sheet of the plan.
- b. Click the Place Preliminary Sheet Numbers button once.
(The preliminary sheet number appears in the bottom right corner of the sheets.
The number should match the page number in the Acrobat Status bar).

3. Re-Save the PDF

- a. Select File > Save As and save the PDF.

TO REMOVE PRELIMINARY SHEET NUMBERS

DRAFT