WKE

PROJECT ID: 1000-04-70

COUNTY: SE REGION WIDE

DEC 2016

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 = 352



N

DESIGN DESIGNATION

A.A.D.T.	2020	= --
A.A.D.T.	2030	= --
D.H.V.		= --
D.D.		= --
T.		= --
DESIGN SPEED		= --
ESALS		= --

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES

- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1000-04-70	———	———

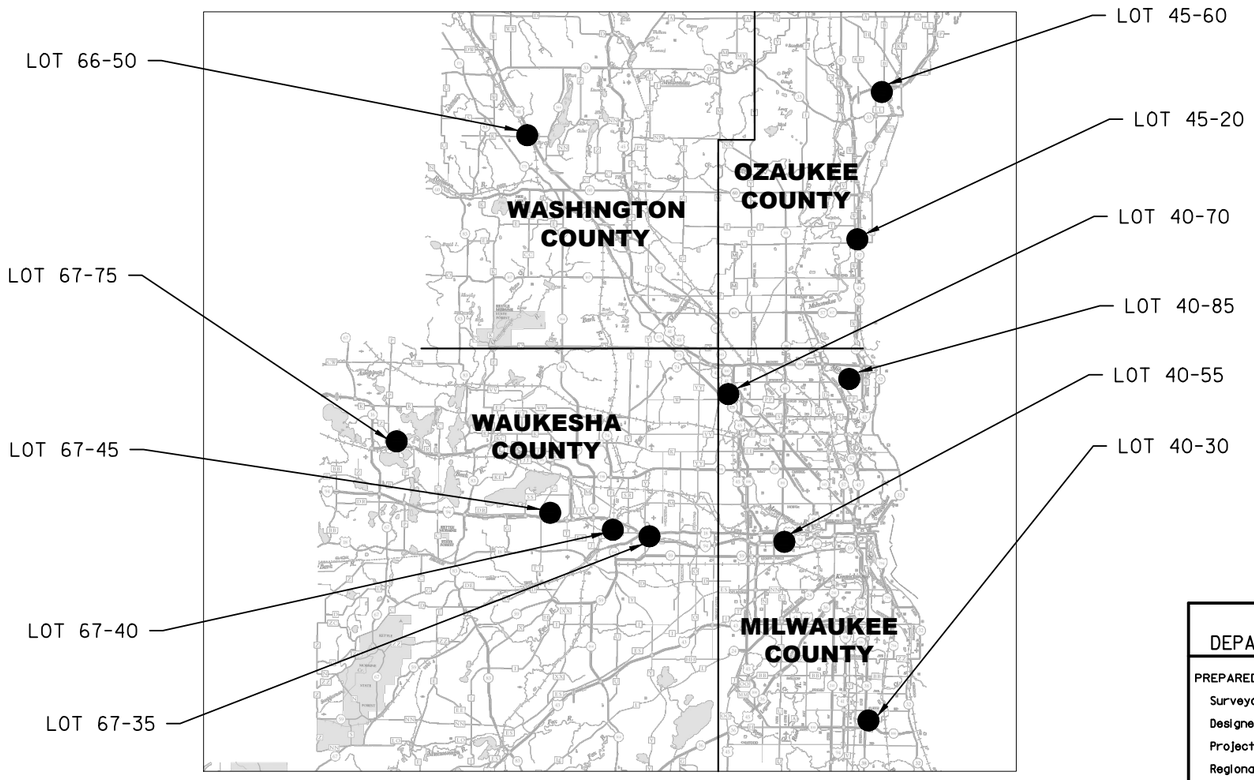
VARIOUS PARK & RIDES

VARIOUS LOCATIONS

NON-HIGHWAY

SOUTHEAST REGION WIDE

STATE PROJECT NUMBER
1000-04-70



LAYOUT SCALE 0 3 MILES

TOTAL NET LENGTH OF CENTERLINE = 0.000

REFER TO INDIVIDUAL ALIGNMENT PLAN SHEETS FOR COORDINATE SYSTEM SPECIFIC TO EACH PARK AND RIDE LOT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	DOT
Designer	MARTIN VILLACA
Project Manager	HEATHER SACKMAN
Regional Examiner	
Regional Supervisor	REEM SHAHIN

APPROVED FOR THE DEPARTMENT

DATE: 05/01/16 (Signature)

E

2

GENERAL NOTES

THE LOCATIONS OF EXISTING OR PROPOSED UTILITIES, AS NOTED ON THE PLANS, ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPERATELY.

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

ALL HOLES OR VOIDS BELOW SUBGRADE RESULTING FROM ABANDONMENT OR REMOVAL OF EXISTING STRUCTURES OR OTHER FEATURES SHALL BE BACKFILLED WITH SUITABLE MATERIAL OR AS DIRECTED BY THE ENGINEER.

DIMENSIONS GIVEN FOR EXISTING FEATURES SHALL BE CONSIDERED AS APPROXIMATE AND SHALL BE MEASURED IN THE FIELD.

CURB AND GUTTER RADII, GRADES AND OFFSETS ARE TO THE FLANGE UNLESS OTHERWISE NOTED.

CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF SALVAGED TOPSOIL WHERE REQUIRED.

ALL DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCLUDING ROAD BED, ARE TO BE TOPSOILED, FERTILIZED, AND SEEDED OR INSTALLED EROSION-MAT AS DIRECTED BY THE ENGINEER. TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL SHALL NOT BE PERMITED IN WETLANDS.

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 MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED.

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

EROSION CONTROL FEATURES ARE TO BE PLACED IN SEQUENCE WITH CONSTRUCTION STAGING AND MAINTAINED THROUGH EACH STAGE OR AS DETERMINED BY THE ENGINEER.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS. PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN WITH THE ENGINEER.

IMMEDIATELY AFTER CONSTRUCTION OF ANY INLET, CONTRACTOR SHALL CONSTRUCT THE INLET PROTECTION TO MINIMIZE SEDIMENTATION IN THE INLET AND STORM SEWER.

A SAWED JOINT IS REQUIRED WHERE NEW HMA SURFACE MEETS EXISTING ASPHALTIC CONCRETE SURFACE.

HMA PAVEMENT NOTES:

LOT #40-55 - 4 INCHES HMA PAVEMENT

2	INCH LOWER LAYER	HMA PAVEMENT TYPE 4 LT 58-28 S
2	INCH UPPER LAYER	HMA PAVEMENT TYPE 4 LT 58-28 S

LOT #40-70 - 2 INCHES HMA PAVEMENT

2	INCH UPPER LAYER	HMA PAVEMENT TYPE 4 LT 58-28 S

LOT #45-20 - 2 INCHES HMA PAVEMENT

2	INCH UPPER LAYER	HMA PAVEMENT TYPE 4 LT 58-28 S

LOT #45-60 - 3 1/2 INCHES HMA PAVEMENT

1 3/4	INCH LOWER LAYER	HMA PAVEMENT TYPE 4 LT 58-28 S
1 3/4	INCH UPPER LAYER	HMA PAVEMENT TYPE 4 LT 58-28 S

LOT #66-50 (IH 41 & CTH K) Sta. 11+00 to Sta. 13+75 - 3 INCHES HMA PAVEMENT

3	INCH UPPER LAYER	HMA PAVEMENT TYPE 3 LT 58-28 S

LOT #66-50 (IH 41 & CTH K) Sta. 13+75 to Sta. 15+63 - 5 INCHES HMA PAVEMENT

3	INCH LOWER LAYER	HMA PAVEMENT TYPE 3 LT 58-28 S
2	INCH UPPER LAYER	HMA PAVEMENT TYPE 4 LT 58-28 S

LOT #67-35 (IH 94 & BARKER) DRAINAGE REPAIR - 4 INCHES HMA PAVEMENT

2	INCH LOWER LAYER	HMA PAVEMENT TYPE 4 LT 58-28 S
2	INCH UPPER LAYER	HMA PAVEMENT TYPE 4 LT 58-28 S

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ORDER OF SECTION 2 SHEETS

GENERAL NOTES & PAVEMENT NOTES
UTILITY & OTHER CONTACTS
ORDER OF SECTION 2 SHEETS
OVERVIEWS

LOCATIONS IN MILWAUKEE COUNTY

LOT 40-30 - IH 94 & RYAN RD
SIGNING PLAN
PAVEMENT MARKING
TRAFFIC CONTROL

LOT 40-55 - IH 94 & S. 76TH ST (STATE FAIR)
EXISTING TYPICAL SECTIONS
FINISHED TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLAN
PLAN DETAIL
CONTOUR PLAN
EROSION CONTROL
SIGNING PLAN
LIGHTING
PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT LAYOUT

LOT 40-70 - IH 41 & GOOD HOPE RD
EXISTING TYPICAL SECTIONS
FINISHED TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLAN
PLAN DETAIL
CONTOUR PLAN
EROSION CONTROL
SIGNING PLAN
LIGHTING
PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT LAYOUT

LOT 40-85 - IH 43 & BROWN DEER RD
SIGNING PLAN
LIGHTING PLAN
PAVEMENT MARKING
TRAFFIC CONTROL

LOCATIONS IN OZAUKEE COUNTY

LOT 45-20 - IH 43 & CTH C (PIONEER RD)
EXISTING TYPICAL SECTIONS
FINISHED TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLAN
PLAN DETAIL
CONTOUR PLAN
EROSION CONTROL
SIGNING PLAN
PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT LAYOUT

LOT 45-60 - STH 32 & CTH LL
EXISTING TYPICAL SECTIONS
FINISHED TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLAN
PLAN DETAIL
CONTOUR PLAN
EROSION CONTROL
STORM SEWER
SIGNING PLAN
PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT LAYOUT

LOCATION IN WASHINGTON COUNTY

LOT 66-50 - IH 41 & CTH K
EXISTING TYPICAL SECTIONS
FINISHED TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLAN
PLAN DETAIL
CONTOUR PLAN
EROSION CONTROL
SIGNING PLAN
LIGHTING
PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT LAYOUT

LOCATIONS IN WAUKESHA COUNTY

LOT 67-35 - IH 94 & BARKER RD
CONSTRUCTION DETAILS
REMOVAL PLAN
PLAN DETAIL
EROSION CONTROL
SIGNING PLAN
SIGNAL PLAN
PAVEMENT MARKING
TRAFFIC CONTROL

LOT 67-40 - IH 94 & CTH F
PLAN DETAIL
SIGNING PLAN
PAVEMENT MARKING
TRAFFIC CONTROL

LOT 67-45 - IH 94 & CTH G
SIGNING PLAN
PAVEMENT MARKING
TRAFFIC CONTROL

LOT 67-75 - STH 16 & CTH P
REMOVAL PLAN
PLAN DETAIL
EROSION CONTROL
SIGNING PLAN
PAVEMENT MARKING
TRAFFIC CONTROL

2





2

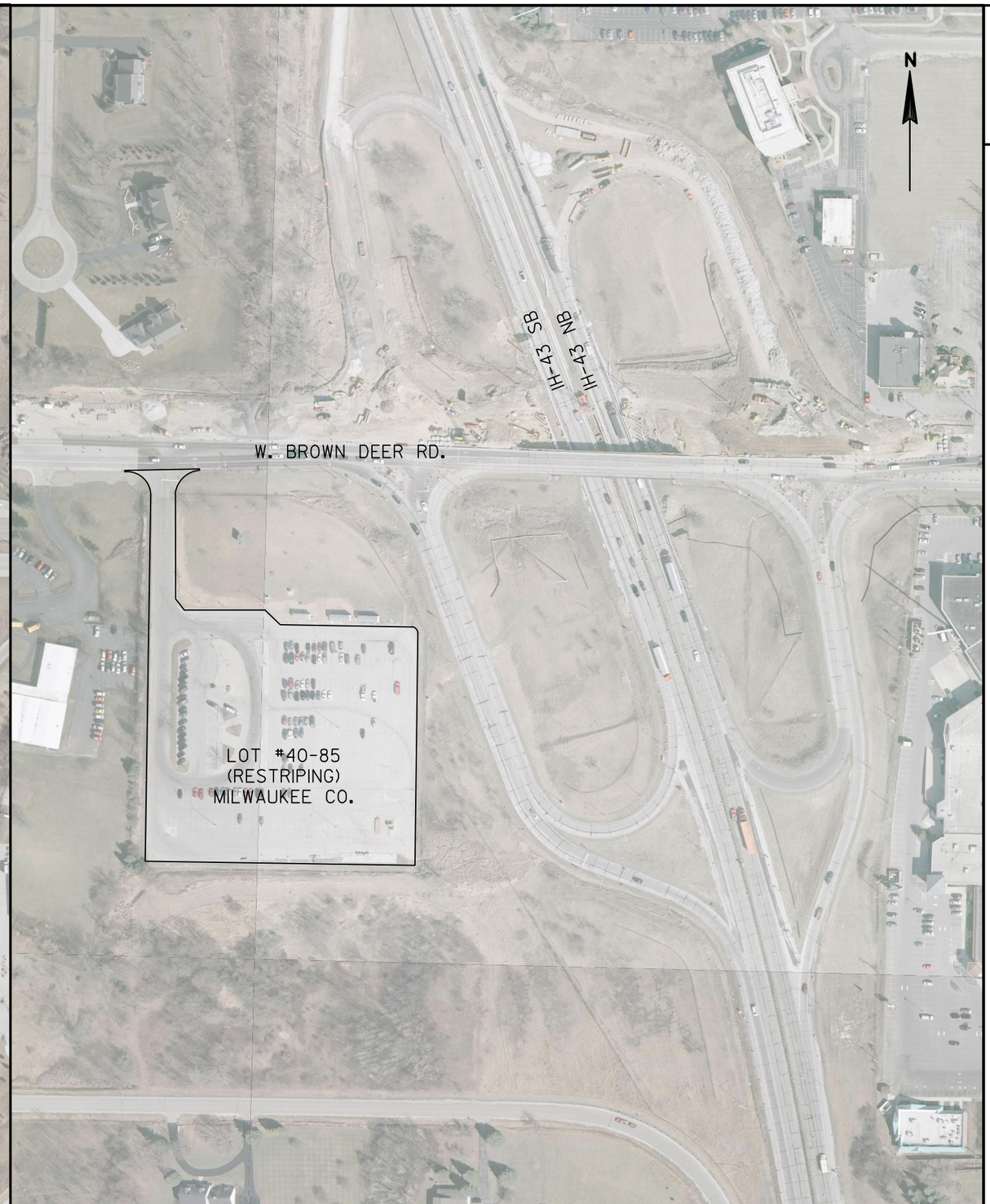
PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	PROJECT OVERVIEW - LOT #40-30 & LOT #40-55	SHEET 6	E

FILE NAME : N:\PDS\C3D\CAD\10000400\020201_PO.DWG
LAYOUT NAME - 020201_PO

PLOT DATE : 7/6/2016 11:42 AM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:200 FT

2





2

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	PROJECT OVERVIEW - LOT #40-70 & LOT #45-85	SHEET 7	E

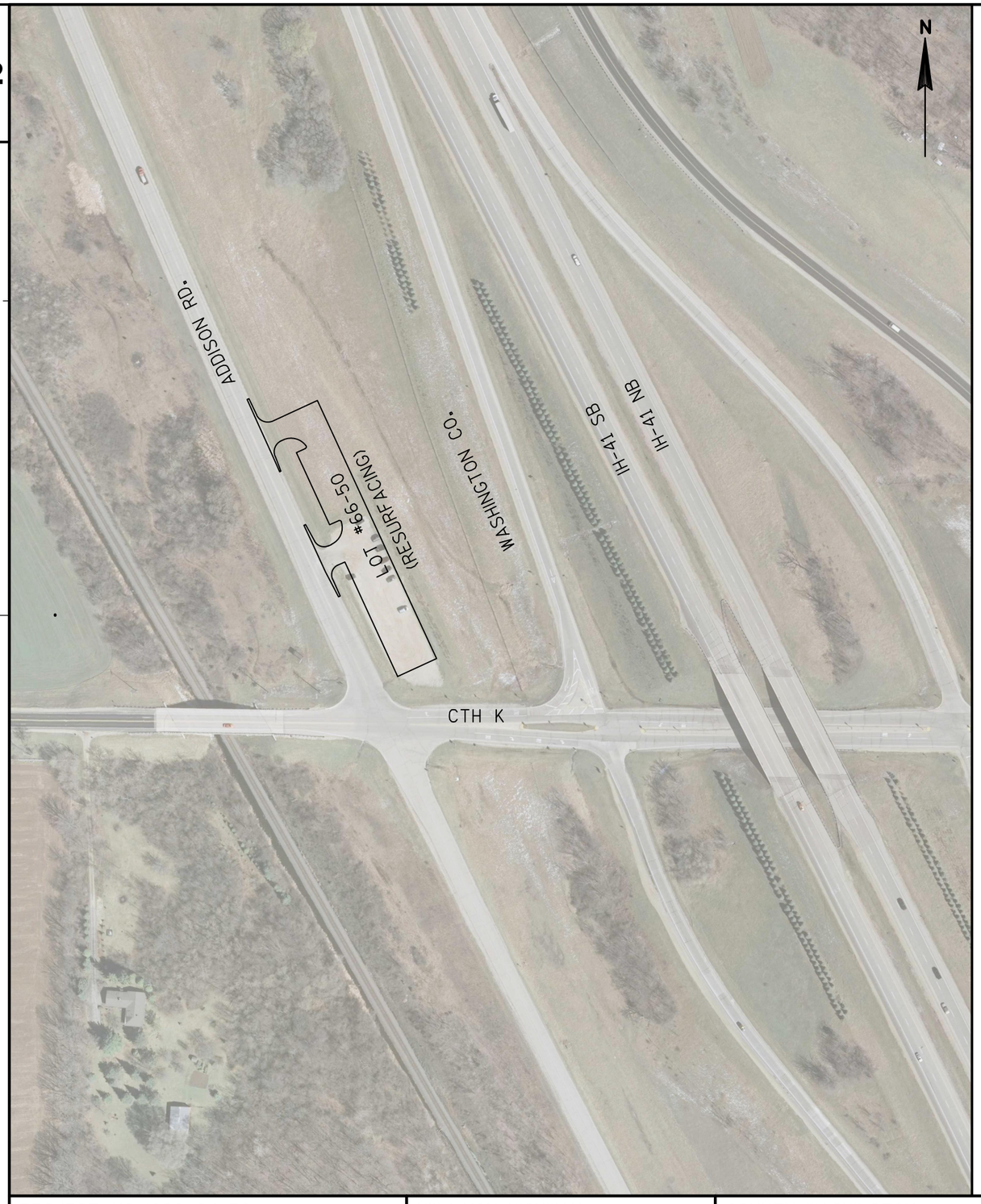




PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	PROJECT OVERVIEW - LOT #45-20 & LOT #45-60	SHEET 8	E

FILE NAME : N:\PDS\C3D\CAD\10000400\020203_PO.DWG
LAYOUT NAME - 020203_PO

PLOT DATE : 7/6/2016 11:43 AM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:200 FT

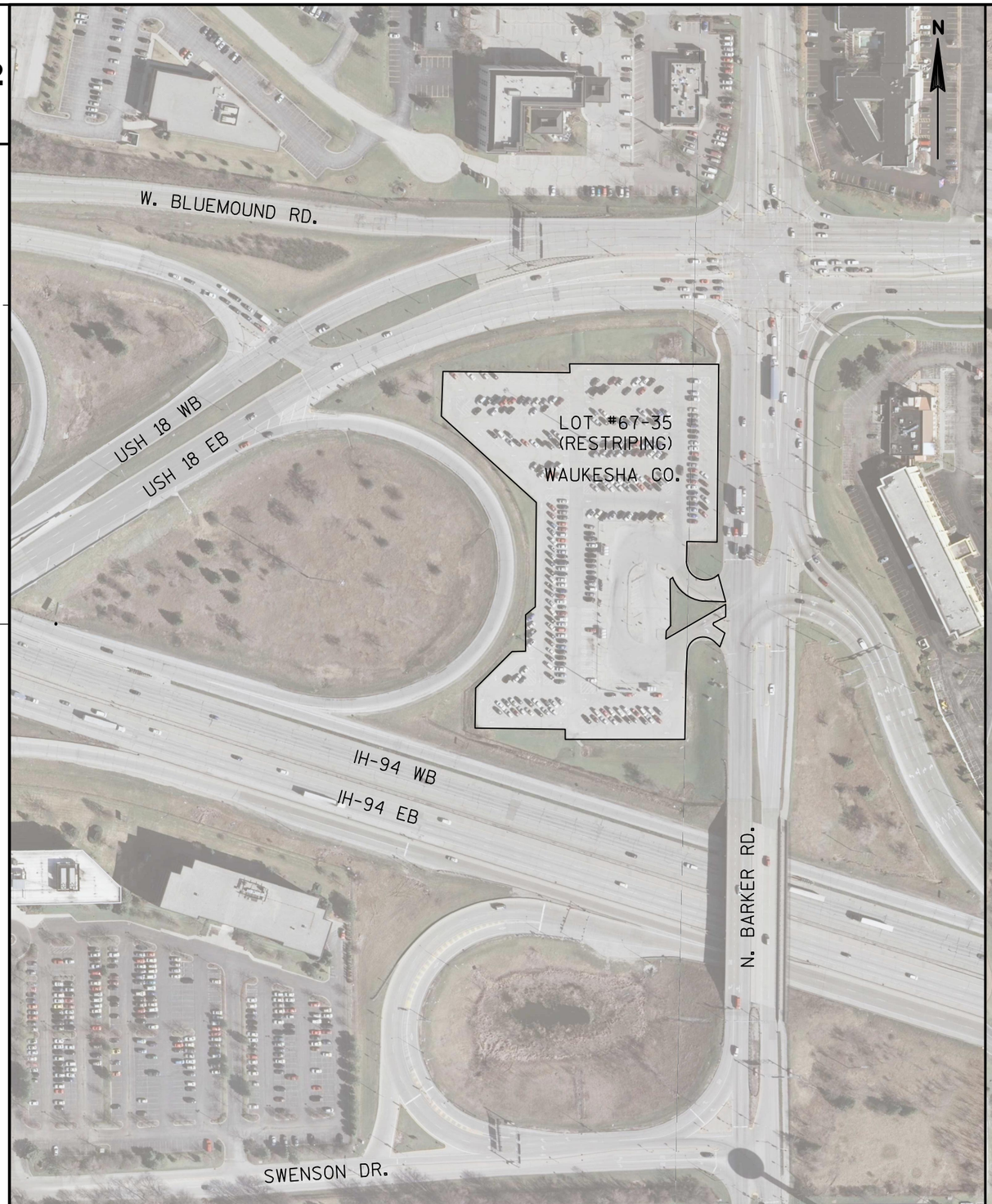


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FILE NAME : N:\PDS\C3D\CAD\10000400\020204_PO.DWG
LAYOUT NAME - 020204_PO

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WISDOT/CADDS SHEET 42





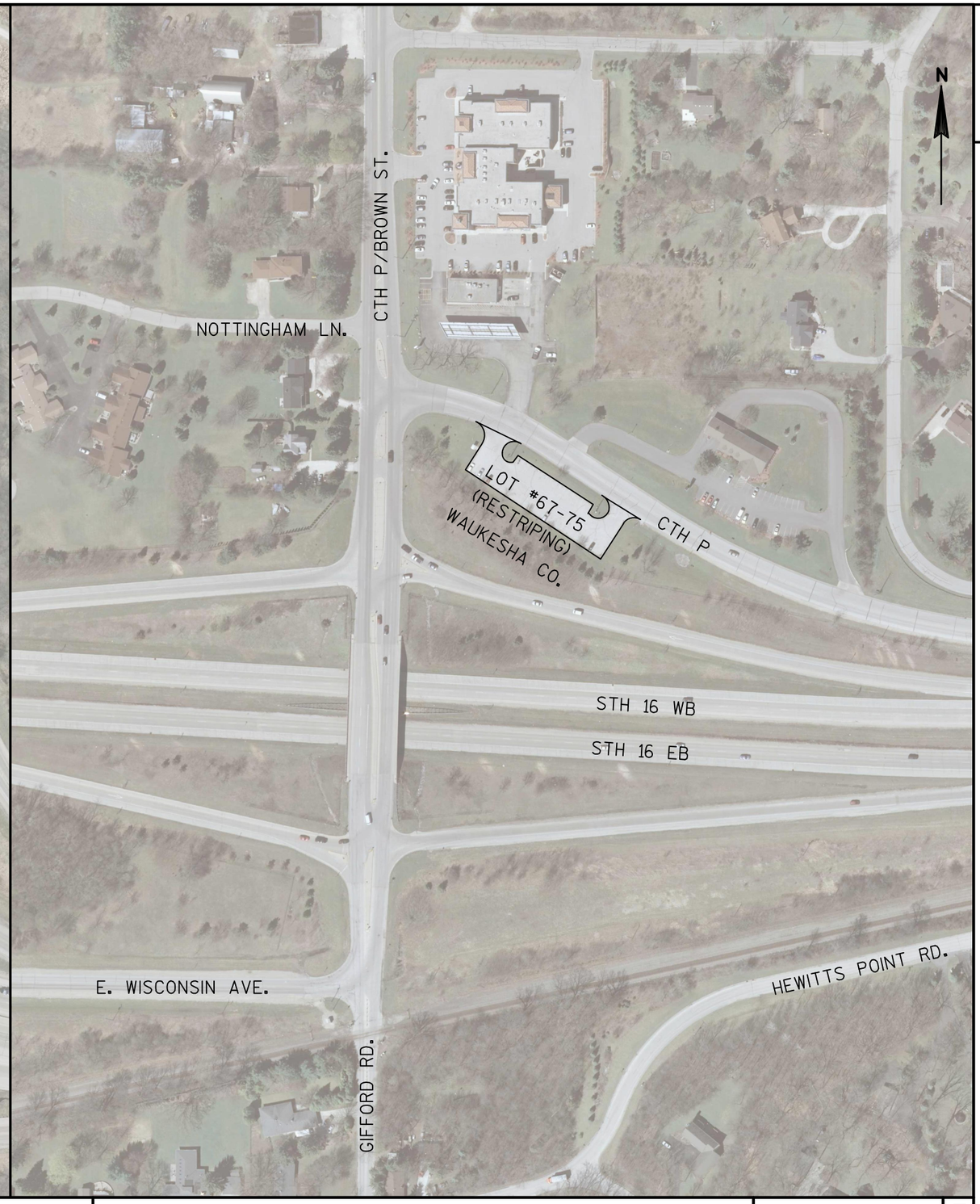
PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	PROJECT OVERVIEW - LOT #67-35 & LOT #67-40	SHEET 10	E

FILE NAME : N:\PDS\C3D\CAD\10000400\020205_PO.DWG
LAYOUT NAME - 020205_PO

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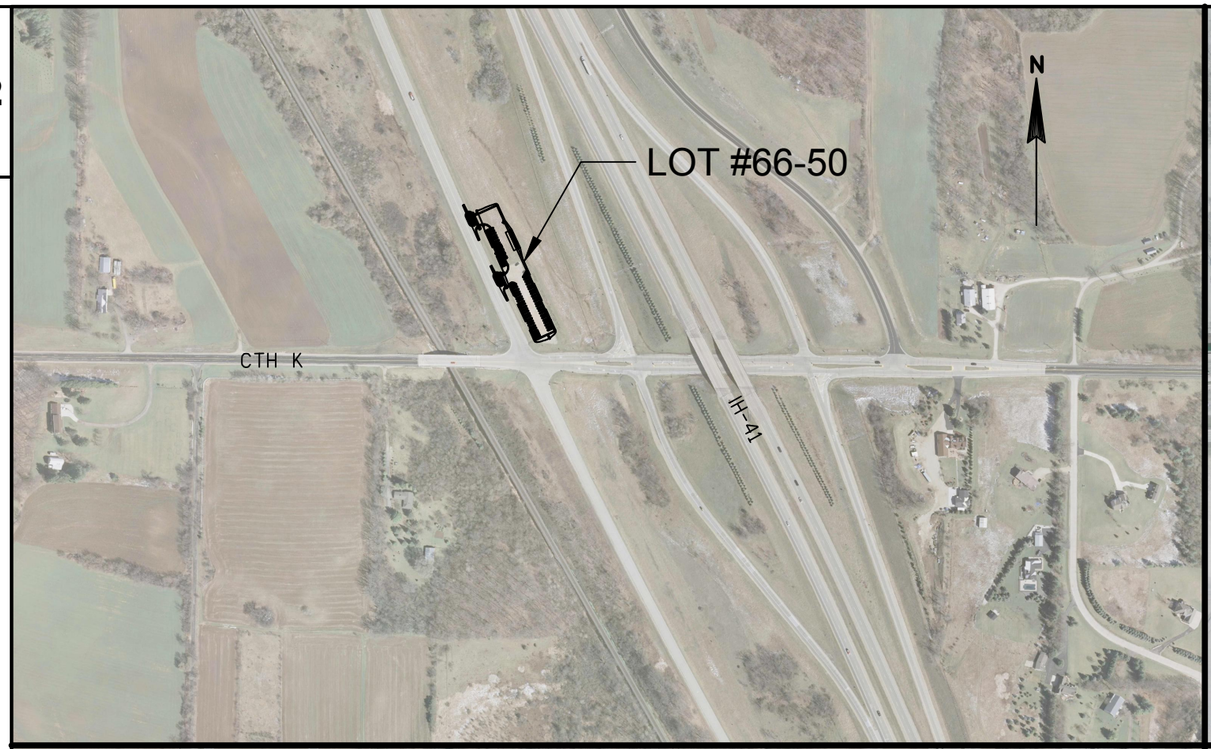
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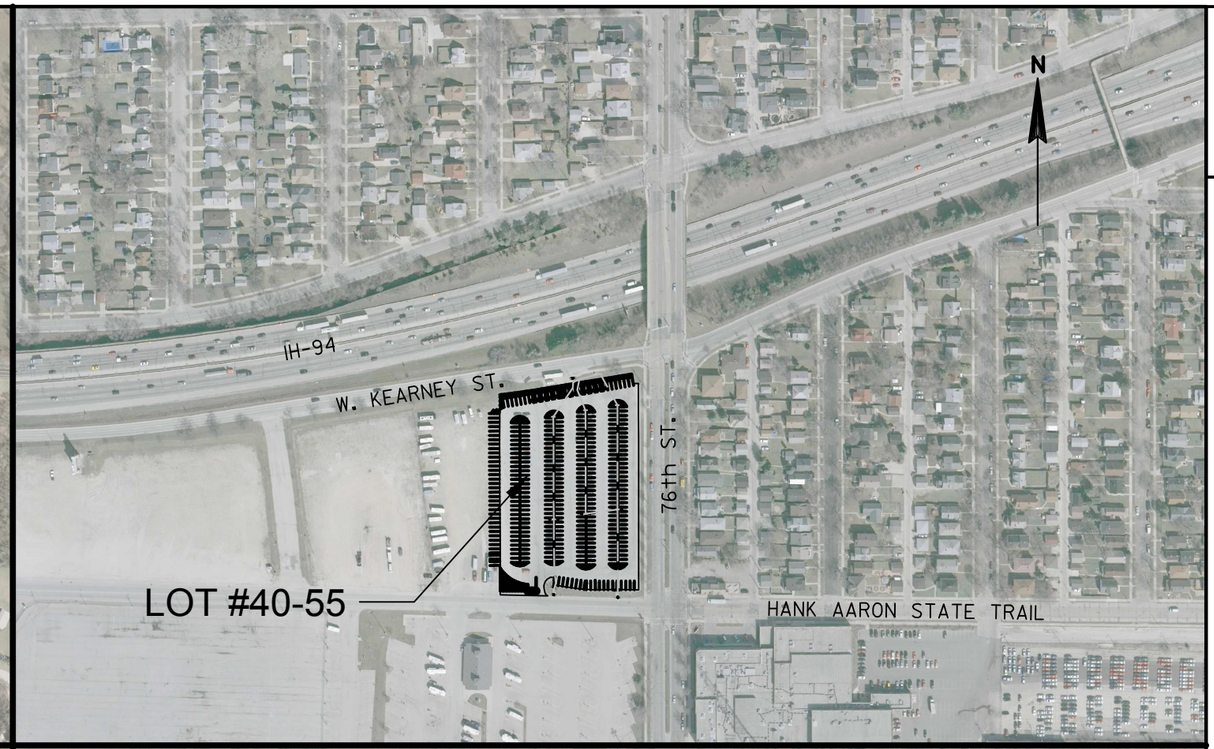


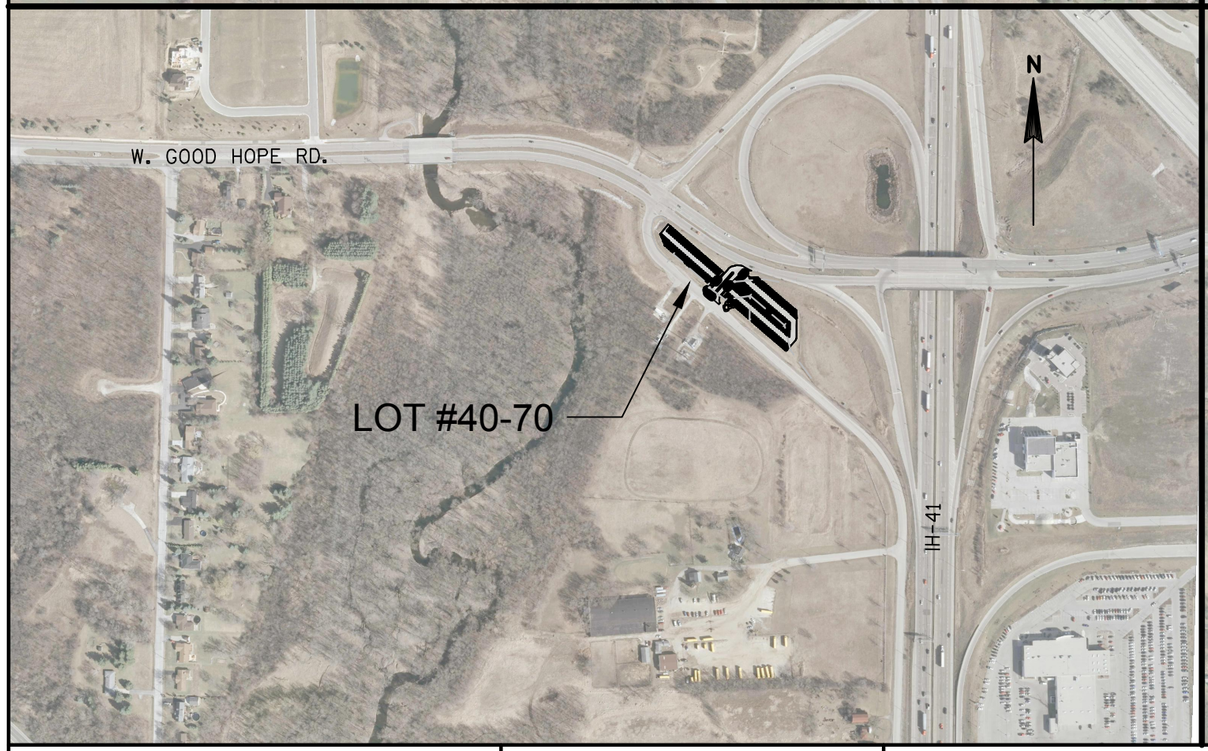


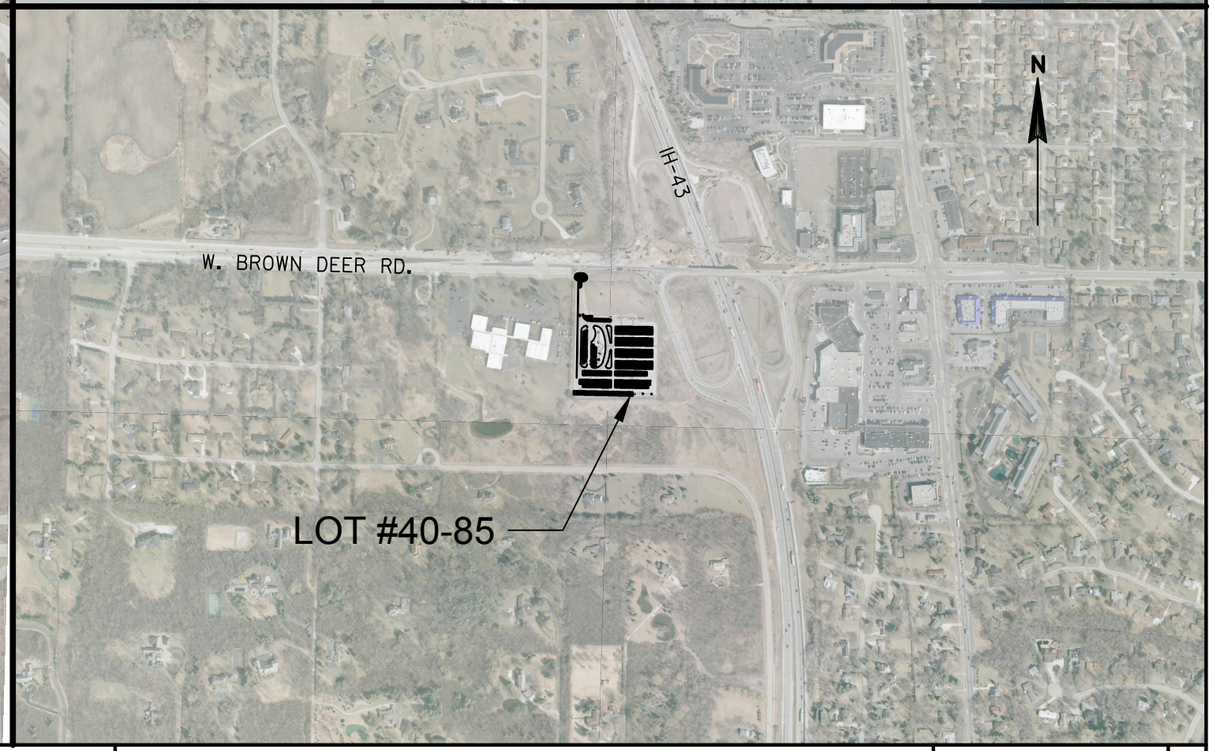
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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	PROJECT OVERVIEW - LOT #67-45 & LOT #67-75	SHEET 11	E









PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: VARIOUS	OVERVIEW - LIGHTING	SHEET	E

FILE NAME : N:\PDS\C3D\CAD\10000400\LTG\LTG_OVERVIEW.DWG
LAYOUT NAME - OVERVIEW

PLOT DATE : 6/28/2016 1:07 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE :

2

GENERAL NOTES:

FREEWAY LIGHTING SHALL BE INSTALLED IN COMPLIANCE WITH WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 652 TO 657 AND 659 EXCEPT:

1. DETAILS OF CONSTRUCTION MATERIALS AND WORKMANSHIP NOT SHOWN ON THESE DRAWINGS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

2. LOCATIONS OF THE PVC CONDUITS ARE INDENTIFIED IN THE PLANS WHERE THEY ARE REQUIRED. HOWEVER, INSTALLATION WILL REQUIRE INTEGRATION WITH EXISTING FIELD CONDITIONS. UNDER THE APPROVAL OF THE ENGINEER, APPROPRIATE ADJUSTMENT OF CONDUIT LOCATIONS MAY BE MADE IF THE FIELD CONDITIONS ARE SUCH THAT THE CONDUIT CANNOT BE INSTALLED AT THE SPECIFIED LOCATIONS. FIELD MARK EACH CONDUIT LOCATION IN RED TO ILLUSTRATE AS BUILT CONDITIONS.

3. THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

4. ALL OPEN AND UNTERMINATED CONDUITS SHALL BE CAPPED OR PLUGGED WITH ENGINEER APPROVED FITTINGS IMMEDIATLY AFTER INSTALLATION.

5. BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR IMMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

6. ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON ALL CONDUITS.

7. PRIOR TO CONDUIT ACCEPTANCE, ALL CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND BE CAPPED WITH THE APPROPRIATE CAST PLASTIC CAP WHICH FITS SNUGGLY ON THE CONDUIT THAT CAN BE EASILY REMOVED. DUCT TAPE OR ANY OTHER CAPPING METHOD IS NOT ACCEPTABLE.

8. CONDUIT RUNS SHALL BE THE SAME SIZE PIPE FROM ONE END TO THE OTHER (FROM PULL BOX-TO-PULL BOX, JUNCTION BOX OR BASE-TO-BASE, ETC.) UNLESS OTHERWISE NOTED ON PLANS.

9. PULL ROPE (3/8-INCH NYLON) SHALL BE INSTALLED IN ALL NEW CONDUITS.

10. CONTRACTOR SHALL SUPPLY AS-BUILT DRAWINGS (PDF FORMAT) FOR ALL THE WORK BEING DONE.

11. CONDUIT LATERALS SHALL BE TRENCHED UNDER PAVEMENT BEFORE PAVEMENT CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ROADWAY CONSTRUCTION FOR CONDUIT LATERALS INSTALLATION.

12. PITCH ALL CONDUITS TOWARD PULL BOXES. INSTALL A 2" DRAIN DUCT TO STORM SEWER OR DRAIN SUMP AS REQUIRED FOR DRAINAGE. THE 2" DRAIN DUCT OR SUMP IS INCIDENTAL TO THE PULL BOX BID ITEM AND IS NOT SHOWN.

13. EXISTING CONDUIT AND CID NO LONGER BEING USED IS ABANDONED IN PLACE. THE CONTRACTOR MAY REMOVE ABANDONED WIRING AT THE CONTRACT'S EXPENSE.

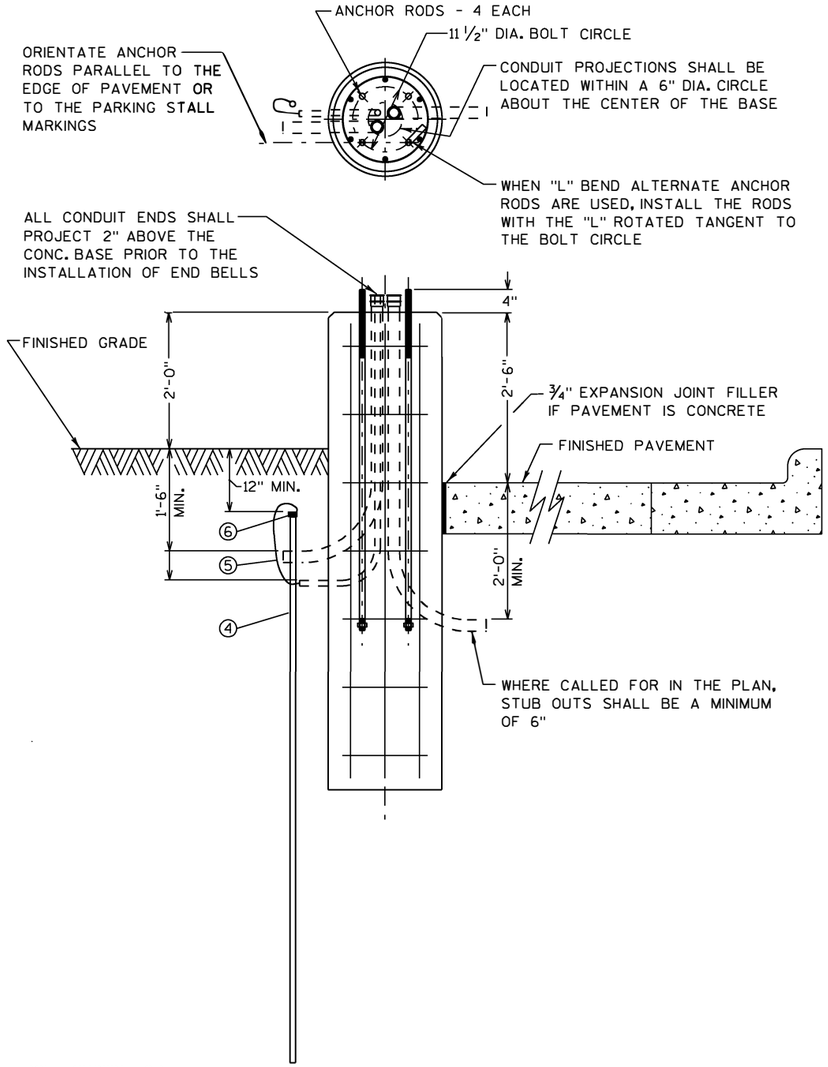
14. UNDERGROUND WIRE & CONDUIT SHOWN ON REMOVAL PLANS FOR REMOVAL SHALL BE ABANDONED IN PLACE UNLESS DIRECTED BY THE ENGINEER. CONTRACTOR MAY CHOOSE TO REMOVE CONDUCTOR AT THEIR OWN EXPENSE.

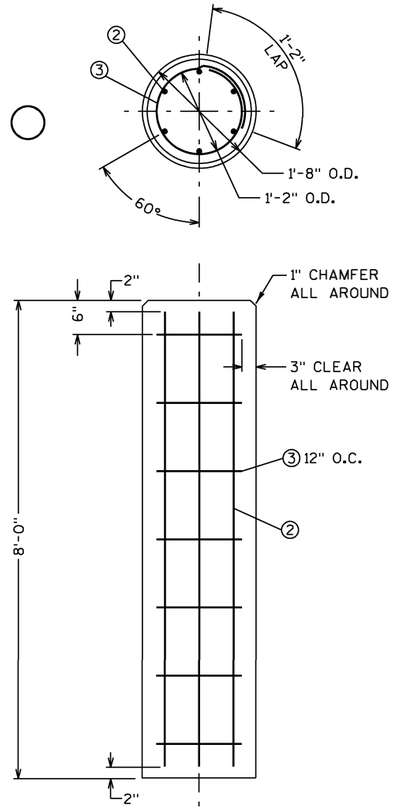
15. THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE, IN ADDITION, THERE MAYBE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

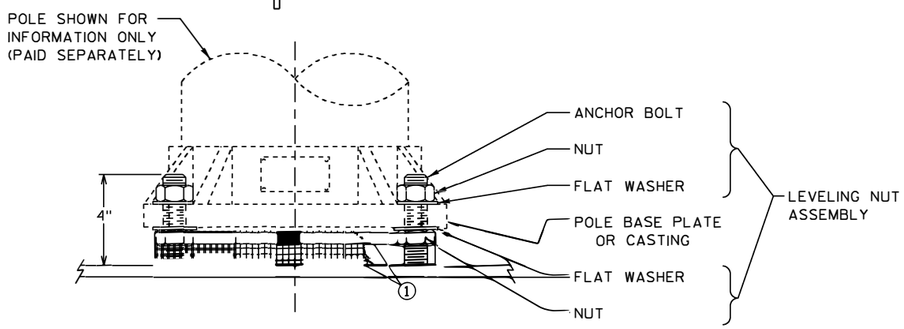
16. HAND DIGGING MAYBE REQUIRED FOR LOCATIONS ADJACENT TO EXISTING GAS AND POWER LINES. HAND EXCAVATION SHOULD BE ANTICIPATED & WILL BE CONSIDERED INCIDENTAL TO THE CONCRETE BASE BID ITEM. COORDINATE ALL WORK NEAR GAS LINE WITH WE ENERGIES.

17. PROVIDE MINIMUM CABLE SLACK AS MENTIONED BELOW:

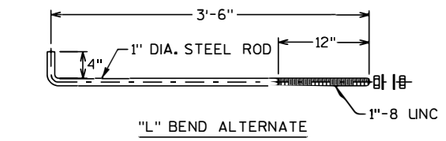
PULL BOXES:	10-FT
EMBEDDED JUCTION BOXES:	3-FT
DISTRIBUTION CENTER/LOAD CENTER:	10-FT
POLES:	5-FT IN AND 5-FT OUT



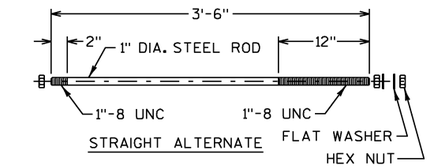




RAT SCREEN & LEVELING NUT DETAIL
(RAT SCREEN AND BANDING INCIDENTAL TO POLE, LEVELING NUT ASSEMBLIES INCIDENTAL TO CONCRETE BASE)



"L" BEND ALTERNATE



STRAIGHT ALTERNATE

ANCHOR ROD ASSEMBLY DETAIL
(INCIDENTAL TO CONCRETE BASE - 4 EACH PER BASE)

GENERAL NOTES:

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF SECTION 654 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS.

CONCRETE BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

FORMING SHALL BE LIMITED TO 6" BELOW THE EXISTING GRADE. UNLESS LOOSE SOIL OR FILL IS ENCOUNTERED. FORMING SHALL BE STRIPPED AFTER CONCRETE HAS SET.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL OR FILL, THE FORM SHALL BE STRIPPED BEFORE BACK FILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE STRIPPED CONCRETE BASE IN LAYERS OF 6" OR LESS.

TOP SURFACE OF CONCRETE BASES SHALL BE TROWEL FINISHED AND LEVEL.

THE NUMBER, SIZE, AND LOCATION OF LINE AND LOAD SIDE CONDUITS WILL BE SHOWN IN THE PLANS. NOTE, SOME BASES MAY HAVE MORE THAN ONE LOAD SIDE CONDUIT REQUIRED (SEE THE PLAN). ALL BASES SHALL HAVE A 1" CONDUIT FOR THE EQUIPMENT GROUNDING CONDUCTOR.

CONDUIT ENDS PROJECTING ABOVE THE BASE SHALL BE SUITABLY PLUGGED BEFORE THE CONCRETE IS POURED, TO PREVENT DEBRIS CONTAMINATION OF THE RACEWAY.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE (STUB OUTS) SHALL BE PLUGGED.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITH A MINIMUM OF 6'-6" OF SLACK MEASURED FROM THE TOP OF THE CONCRETE BASE TO THE END OF THE CONDUCTOR. THE SLACK SHALL BE NEATLY TIED IN A COIL THAT FITS INSIDE THE ANCHOR BOLT CIRCLE UNTIL THE LIGHT POLE IS INSTALLED. GREAT CARE SHALL BE EXERCISED TO AVOID DAMAGE TO THE CONDUCTOR.

THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24". THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18". THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36". THE MAXIMUM DEPTH MAY ONLY BE EXCEEDED WITH THE WRITTEN APPROVAL OF THE ENGINEER.

ANCHOR RODS SHALL NOT BE WELDED TO THE BAR STEEL REINF. HOWEVER, TIE WIRES MAY BE USED.

BAR STEEL REINF. SHALL BE "COATED HIGH STRENGTH BAR STEEL REINFORCEMENT".

① STAINLESS STEEL MESH (RAT SCREEN) AND 3/4" STAINLESS STEEL BANDING

② NO. 6 BAR STEEL REINF., 6'-8" LONG (6 EACH)

③ NO. 4 BAR STEEL REINF., 5'-0" LONG (7 EACH)

④ 5/8" x 8'-0" COPPER CLAD EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) TOP OF ROD 12" MIN. BELOW FINISHED GRADE OR FINISHED PAVEMENT.

⑤ A NO. 4 AWG, STRANDED COPPER GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUNDING ROD)

⑥ EXOTHERMIC WELD (CAD WELD)

CONCRETE BASE, TYPE 5, SPECIAL

(1" ANCHOR RODS, 11.5" BOLT CIRCLE, 4" PROJECTION)

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: VARIOUS	LIGHTING DETAIL - CONCRETE BASE, TYPE 5, SPECIAL	SHEET	E

2

2

LOT 40-30 - IH 94 & RYAN RD

SIGNING PLAN

PAVEMENT MARKING

TRAFFIC CONTROL

PROJECT NO: 1000-04-70	**HWY: NON-HWY – VARIOUS P & R**	**COUNTY: SE REGION - WIDE**	**LOT 40-30**	**SHEET:** 15	**E**

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN

N

PARKING — REMOVE

PARKING — D4-1 (2) — 605

NO COMMERCIAL ACTIVITY ALLOWED IN PARK & RIDE STATUTE 4.25(11)
ESTR
OWNED BY OTHERS

RAMP
BUSES MOTORCYCLES AND 2 OR MORE OCCUPANT CAR POOLS ONLY
REMOVE

RAMP METERED WHEN FLASHING
REMOVE

BUSES — REMOVE — 606

BUSES — 606

RAMP
BUSES MOTORCYCLES AND 2 OR MORE OCCUPANT CAR POOLS ONLY
R3-51 (2S) — 608 — 609

RAMP METERED WHEN FLASHING
W3-8 (2S) ON SIGNAL POLE — 607

RIDESHARE INFO
www.rideshare.wi.gov
1-800-455-POOL
REMOVE

RIDESHARE INFO
www.rideshare.wi.gov
1-800-455-POOL
D12-2A (MOD) — 610

602

NO PARKING ANY TIME — REMOVE

NO PARKING ANY TIME — R7-1-L (2S)

NO LONG TERM OVERNIGHT PARKING EXCEPT AS DESIGNATED
REMOVE

NO LONG TERM OVERNIGHT PARKING EXCEPT AS DESIGNATED — 616

DO NOT ENTER — REMOVE

DO NOT ENTER — R5-1 (2S) — 603 — 604

621A

VAN ACCESSIBLE — R7-8-V (2S)

RESERVED PARKING — REMOVE

RESERVED PARKING — R7-8R (2S)

NO PARKING 12:00AM TO 5:00AM DEC 1 - MAR 31 EXCEPT AS DESIGNATED
OWNED BY COUNTY
CONTACT COUNTY TO REMOVE AND REINSTALL

601

NO PARKING ANY TIME — R7-1-D (2S)

627 — 628

RESERVED PARKING — R7-8-A (2S)

2774
40
MCTS
ESTR
OWNED BY OTHERS

VAN ACCESSIBLE — R7-8-V (2S) — 619A

619 — 620

RESERVED PARKING — REMOVE

RESERVED PARKING — R7-8L (2S) — 621 — 622

ONE WAY — R6-2-R (2S) — 617

ONE WAY — REMOVE

VEHICLES BLOCKING ACCESS WILL BE TOWED AND FINED PENALTY $ 185.00 BY ORDER OF O.C.P.D.
ESTR

ONE WAY

PARKING RESTRICTED TO DESIGNATED STALLS ONLY — 618

PARKING RESTRICTED TO DESIGNATED STALLS ONLY
REMOVE

SHEET 9 OF 15

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	PERMANENT SIGNING - LOT #40-30 (IH-94 & RYAN RD)	SHEET 16	E

FILE NAME : N:\PDS\C3D\CAD\10000400\PERMANENT SIGNING\023208_PS.DWG PLOT DATE : 7/25/2016 8:24 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

STOP
REMOVE

DIVIDED HIGHWAY
REMOVE

612

STOP
R1-1
(2S)

613

DIVIDED HIGHWAY
R6-3-A
(2S)

N

614 615

Ryan Road
Park & Park & Ride

TYPE I
REUSE POSTS
SEE DETAIL

Ryan Road
Park & Ride
REMOVE

623

ONE WAY
R6-2-R
(2S)

ONE WAY
REMOVE

624

ONE WAY
R6-2-L
(2S)

ONE WAY
REMOVE

LONG TERM PARKING 5-DAY MAX
REMOVE

LONG TERM PARKING 5-DAY MAX

625

BLACK/WHITE 3"
CAPS SERIAL B

LONG TERM PARKING 5-DAY MAX
REMOVE

LONG TERM PARKING 5-DAY MAX

626

BLACK/WHITE 3"
CAPS SERIAL B

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

SHEET 10 OF 15

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	PERMANENT SIGNING - LOT #40-30 (IH-94 & RYAN RD)	SHEET 17	E

2

LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
2. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
3. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
4. PAVEMENT MARKING ARROWS TYPE 1
5. PAVEMENT MARKING ARROWS TYPE 2
6. PAVEMENT MARKING SYMBOLS (HANDICAP)
7. PAVEMENT MARKING WORDS EPOXY (ONLY)
8. PAVEMENT MARKING CURB EPOXY (YELLOW)
9. PAVEMENT MARKING CURB RAMP EPOXY (YELLOW)
10. PAVEMENT MARKING STOP LINE EPOXY 18-INCH
11. PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
12. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (WHITE)
13. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (PARKING ISLANDS 5.0' C-C, 45° STRIPPING, WHITE)
14. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (HANDICAP ISLANDS 2' C-C, 45° STRIPPING, WHITE)
15. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH

IH-94 WB ON-RAMP

STH 100/RYAN RD.

N

*DIMENSIONS FOR REFERENCE ONLY. MATCH EXISTING PAVEMENT MARKING, EXCEPT AT HANDICAP STALL AREA.

9' TYP.

18' TYP.

R10' TYP.

5' 8' 5'

24' TYP.

8'

5' TYP.

8' TYP.

ONLY

ONLY

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	PAVEMENT MARKING - LOT #40-30 (IH-94 & RYAN RD)	SHEET 18	E

*DIMENSIONS FOR REFERENCE ONLY.
MATCH EXISTING PAVEMENT MARKING,
EXCEPT AT HANDICAP STALL AREA.

IH-94 WB ON-RAMP

R10' TYP.

24' TYP.

36'

9' TYP.

18' TYP.

N

LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
2. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
3. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
4. PAVEMENT MARKING ARROWS TYPE 1
5. PAVEMENT MARKING ARROWS TYPE 2
6. PAVEMENT MARKING SYMBOLS (HANDICAP)
7. PAVEMENT MARKING WORDS EPOXY (ONLY)
8. PAVEMENT MARKING CURB EPOXY (YELLOW)
9. PAVEMENT MARKING CURB RAMP EPOXY (YELLOW)
10. PAVEMENT MARKING STOP LINE EPOXY 18-INCH
11. PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
12. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (WHITE)
13. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (PARKING ISLANDS 5.0' C-C, 45° STRIPPING, WHITE)
14. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (HANDICAP ISLANDS 2' C-C, 45° STRIPPING, WHITE)
15. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	PAVEMENT MARKING - LOT #40-30 (IH-94 & RYAN RD)	SHEET 19	E

FILE NAME : N:\PDS\C3D\CAD\10000400\024506A_PM.DWG PLOT DATE : 6/28/2016 1:41 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



WORK:
1. REMOVE PAVEMENT MARKING FOR HANDICAP PARKING THAT IS LOCATED IN WORK ZONE AREA.
2. PAVEMENT MARKING IN WORK ZONE AREA.
3. PERMANENT SIGNING IN WORK ZONE AREA.

*NOTE: DEPLOY PCMS BOARD 14 DAYS PRIOR TO START OF WORK.

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - S1 - LOT #40-30 (IH-94 & RYAN RD)	SHEET 20	E

2

2

IH-94 WB ON-RAMP

N

WORK:
1. REMOVE PAVEMENT MARKING FOR HANDICAP PARKING THAT IS LOCATED IN WORK ZONE AREA.
2. PAVEMENT MARKING IN WORK ZONE AREA.
3. PERMANENT SIGNING IN WORK ZONE AREA.

*NOTE: DEPLOY PCMS BOARD 14 DAYS PRIOR TO START OF WORK.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - S1 - LOT #40-30 (IH-94 & RYAN RD)	SHEET 21	E



WORK:
1. PAVEMENT MARKING IN WORK ZONE AREA.
2. PERMANENT SIGNING IN WORK ZONE AREA.

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - S2 - LOT #40-30 (IH-94 & RYAN RD)	SHEET 22	E

2



WORK:
1. PAVEMENT MARKING IN WORK ZONE AREA.
2. PERMANENT SIGNING IN WORK ZONE AREA.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - S2 - LOT #40-30 (IH-94 & RYAN RD)	SHEET 23	E



2

2

WORK:
1. PAVEMENT MARKING IN WORK ZONE AREA.
2. PERMANENT SIGNING IN WORK ZONE AREA.

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - S3 - LOT #40-30 (IH-94 & RYAN RD)	SHEET 24	E

FILE NAME : N:\PDS\C3D\CAD\10000400\026209_S3.DWG PLOT DATE : 7/29/2016 12:41 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

WORK:
1. PAVEMENT MARKING IN WORK ZONE AREA.
2. PERMANENT SIGNING IN WORK ZONE AREA.

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - S3 - LOT #40-30 (IH-94 & RYAN RD)	SHEET 25	E

FILE NAME : N:\PDS\C3D\CAD\10000400\026210_S3.DWG PLOT DATE : 7/29/2016 12:41 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

IH-94 WB ON-RAMP

STH 100/RYAN RD.

WORK:
1. REMOVE PAVEMENT MARKING FOR HANDICAP PARKING THAT IS LOCATED IN WORK ZONE AREA.
2. PAVEMENT MARKING IN WORK ZONE AREA.
3. PERMANENT SIGNING IN WORK ZONE AREA.

*STAGE 4 BUILT UNDER FLAGGING OPERATIONS.

CONTINUE THIS PATTERN OF SIGNS ON BOTH SIDES OF TEMPORARY SUPPORT THROUGHOUT TEMPORARY HANDICAP PARKING AREA

R7-1-D (2S)

R7-8-A (2S)

TEMPORARY HANDICAP PARKING AREA

MB

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - S4 - LOT #40-30 (IH-94 & RYAN RD)	SHEET 26	E

2



WORK:
1. REMOVE PAVEMENT MARKING FOR HANDICAP PARKING THAT IS LOCATED IN WORK ZONE AREA.
2. PAVEMENT MARKING IN WORK ZONE AREA.
3. PERMANENT SIGNING IN WORK ZONE AREA.

*STAGE 4 BUILT UNDER FLAGGING OPERATIONS.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

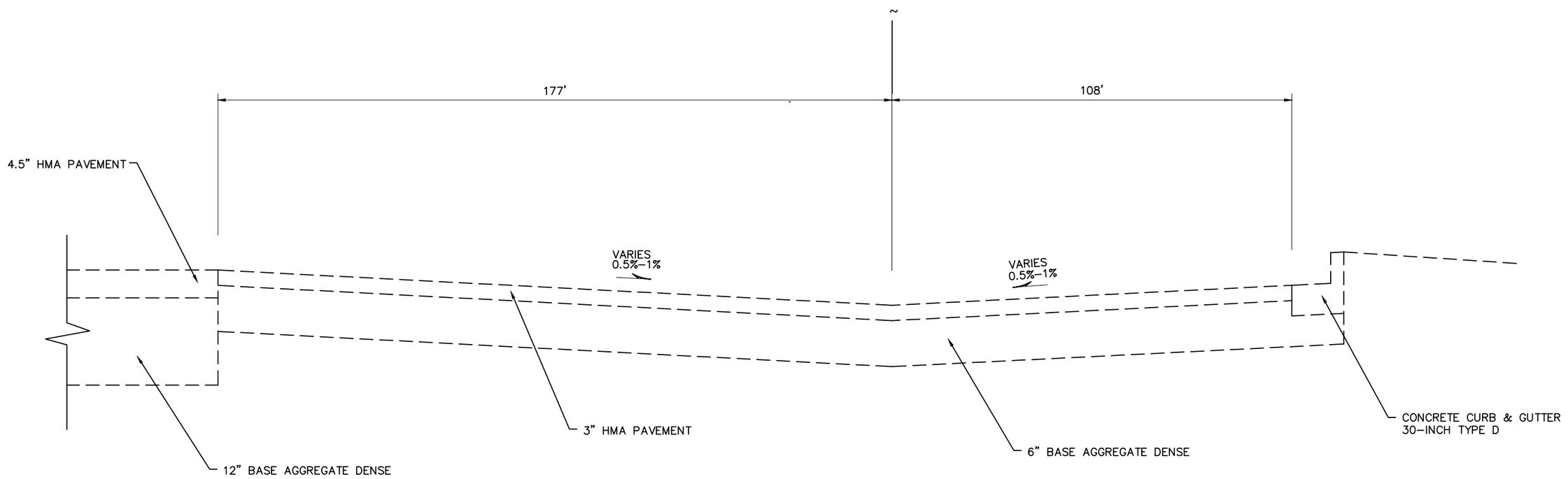
PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - S4 - LOT #40-30 (IH-94 & RYAN RD)	SHEET 27	E

2

LOT 40-55 - IH 94 & S. 76TH ST (STATE FAIR)

EXISTING TYPICAL SECTIONS
FINISHED TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLAN
PLAN DETAIL
CONTOUR PLAN
EROSION CONTROL
SIGNING PLAN
LIGHTING
PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT LAYOUT

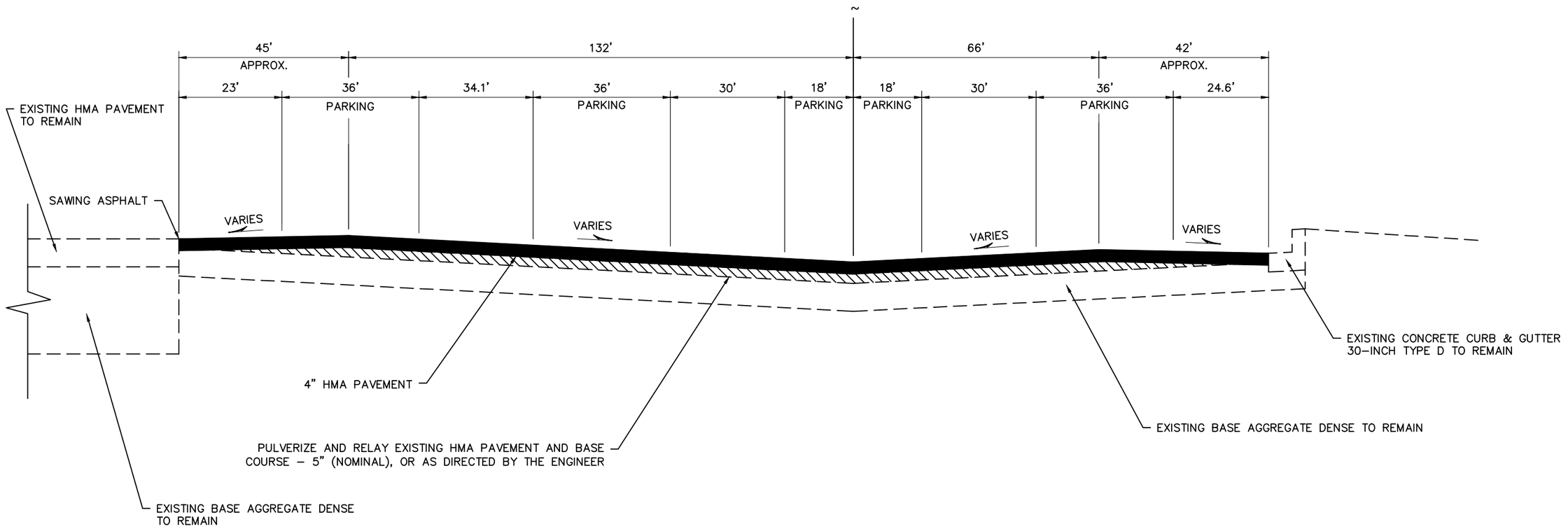
2



EXISTING TYPICAL SECTION

LOT #40–55 ~
STA. 50+33 – STA. 54+62

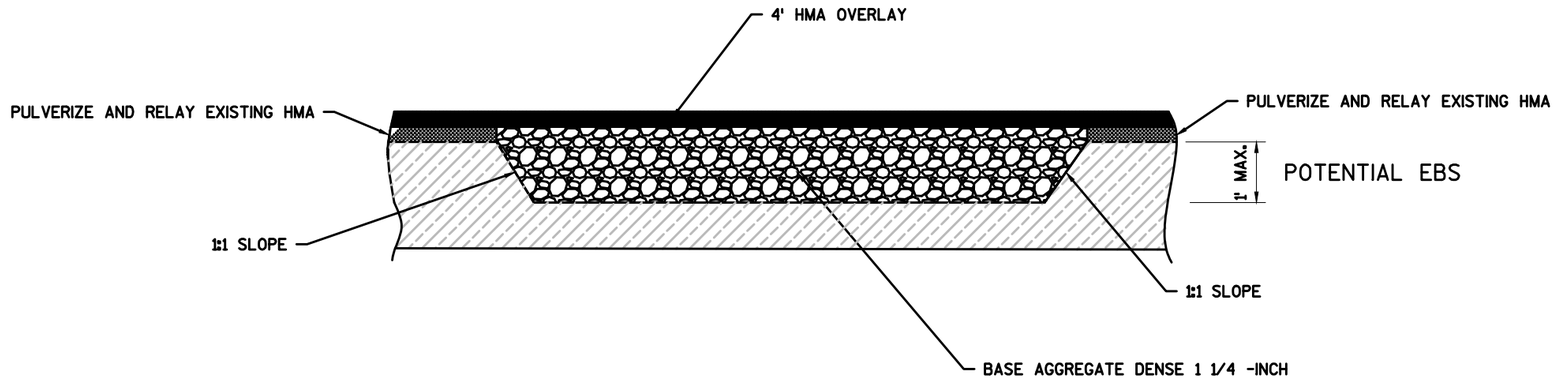
PROJECT NO:1000–04–70	HWY:NON–HIGHWAY	COUNTY:MILWAUKEE	TYPICAL SECTION – LOT #40–55 (IH–94 & 76TH ST)	SHEET 29 E



FINISHED TYPICAL SECTION

LOT #40-55 ~
STA. 50+33 - STA. 54+78

PROJECT NO:1000-04-70	HWY:NON-HIGHWAY	COUNTY:MILWAUKEE	TYPICAL SECTION - LOT #40-55 (IH-94 & 76TH ST)	SHEET 30 E



EBS DETAIL

LOT #40-55 (IH 94 & 76TH ST.)

NOTES:

EXACT LOCATION OF EBS TO BE DETERMINED BY ENGINEER.

SEE REMOVAL PLANS FOR APPROXIMATE EXTENT OF CONTAMINATED SOIL.

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	CONSTRUCTION DETAIL - LOT #40-55 (IH-94 & 76TH ST)	SHEET 31	E

FILE NAME : N:\PDS\C3D\CAD\10000400\ACF_021001_CD.DWG
LAYOUT NAME - ACF_021001_CD - 021011_CD
PLOT DATE : 7/6/2016 1:22 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

N

SAWING ASPHALT

SAWING ASPHALT

CP9

6'

BP: 50+00.00

50+00

51+00

52+00

53+00

54+00

54+87

EP: 54+87.63

CP10

12'

W. ADLER ST.

W. KEARNEY ST.

S. 76TH ST.

LEGEND

- PULVERIZE AND RELAY
- POTENTIAL EBS AREA
- APPROX. EXTENT OF CONTAMINATED SOIL
- REMOVING ASPHALTIC SURFACE BUTT JOINT (SEE DETAIL)
- REMOVING CONCRETE SIDEWALK
- REMOVING CONCRETE CURB & GUTTER

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	REMOVAL PLAN - SHEET 1 - LOT #40-55 (IH-94 & 76TH ST)	SHEET 32	E

2

N

W. KEARNEY ST.

BP: 50+00.05

EP: 54+87.03

CP9

CP10

50+00

51+00

52+00

53+00

54+00

54+87

℄

W. ADLER ST.

S. 76TH ST.

LEGEND

- PULVERIZE AND RELAY
- POTENTIAL EBS AREA
- APPROX. EXTENT OF CONTAMINATED SOIL
- REMOVING ASPHALTIC SURFACE BUTT JOINT (SEE DETAIL)
- REMOVING CONCRETE SIDEWALK
- REMOVING CONCRETE CURB & GUTTER

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	REMOVAL PLAN - SHEET 2 - LOT #40-55 (IH-94 & 76TH ST)	SHEET 33	E

FILE NAME : N:\PDS\C3D\CAD\10000400\021151B_RM.DWG PLOT DATE : 7/28/2016 3:50 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

50+22.29, -176.76' L

EXISTING CHAIN LINK FENCE PUT IN AS PART OF ZOO PROJECT

54+34.93, -177.84' L

RECONSTRUCTING INLET

50+20.47, -78.12' L

SEE END SECTION CURB & GUTTER IN SDD

CP9

6'

HMA PAVEMENT

CLEANING INLETS

BP: 50+00.00

EP: 54+87.03

CP10

℄

50+00

51+00

52+00

53+00

54+00

54+87

W. KEARNEY ST.

W. ADLER ST.

12'

A

50+32.87, 108.72' R

54+58.13, 97.43' R

54+58.14, 108.18' R

54+77.51, 94.18' R

S. 76TH ST.

LEGEND

- CONCRETE SIDEWALK 5"
- (A) CONCRETE CURB & GUTTER 30-INCH TYPE D
- (B) CONCRETE CURB & GUTTER 18-INCH TYPE D
- (C) CONCRETE DRIVEWAY 8-INCH
- (D) CONCRETE PAVEMENT 8-INCH
- REMOVING ASPHALTIC SURFACE BUTT JOINT

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	PLAN DETAIL - LOT #40-55 (IH-94 & 76TH ST)	SHEET 34	E

2

2

*CONTOURS PROVIDED FOR INFORMATIONAL PURPOSES.
CONTRACTOR RESPONSIBLE FOR POSITIVE DRAINAGE.

N

W. KEARNEY ST.

BP: 50+00.00

EP: 54+87.03

51+00

52+00

53+00

54+00

708

710

712

714

716

718

720

722

W. ADLER ST.

S. 76TH ST.

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	PROPOSED CONTOURS - LOT #40-55 (IH-94 & 76TH ST)	SHEET 35	E

2

2

*GRADES PROVIDED FOR INFORMATIONAL PURPOSES.
CONTRACTOR RESPONSIBLE FOR POSITIVE DRAINAGE.

N

W. KEARNEY ST.

W. ADLER ST.

S. 76TH ST.

BP: 50+00.00

EP: 54+87.03

51+00

52+00

53+00

54+00

25' TYP.

25' TYP.

707.66	709.24	710.07	711.06	712.04	712.97	713.87	714.64	715.32	716.02	716.75	717.38	717.94	718.48	719.02	719.24	719.15	
707.69	708.85	709.95	711.05	712.07	712.95	713.90	714.66	715.32	716.03	716.78	717.49	718.14	718.81	719.27	719.49	719.55	719.58
707.82	708.71	709.92	711.07	712.10	712.94	713.88	714.62	715.25	715.95	716.72	717.48	718.21	718.96	719.44	719.69	719.87	719.97
708.10	709.17	710.13	711.18	712.13	712.95	713.74	714.41	715.02	715.67	716.42	717.21	717.98	718.74	719.42	719.82	720.16	720.38
708.40	709.21	710.34	711.28	712.15	712.96	713.60	714.21	714.79	715.38	716.12	716.94	717.74	718.52	719.40	719.95	720.45	720.92
709.75	709.91																
709.88	710.63	711.43	712.21	712.92	713.48	714.07	714.67	715.27	716.00	716.82	717.63	718.43	719.36	720.03	720.70	721.59	
710.12	710.39	710.96	711.61	712.29	712.87	713.37	713.98	714.60	715.25	715.98	716.77	717.58	718.41	719.29	720.09	720.92	722.26
710.40	710.76	711.28	711.79	712.37	712.81	713.26	713.88	714.54	715.24	715.96	716.72	717.54	718.40	719.23	720.15	721.14	722.61
710.70	711.02	711.50	711.92	712.46	712.93	713.40	713.98	714.62	715.30	716.05	716.87	717.72	718.59	719.47	720.42	721.32	722.22	722.92
711.00	711.29	711.71	712.05	712.56	713.05	713.54	714.08	714.70	715.37	716.14	717.01	717.90	718.79	719.70	720.68	721.50	722.32	723.02
711.29	711.54	711.91	712.21	712.66	713.15	713.65	714.16	714.77	715.45	716.23	717.12	718.00	718.88	719.79	720.76	721.52	722.29	723.08
711.68	711.87	712.16	712.48	712.81	713.23	713.69	714.24	714.87	715.58	716.36	717.15	717.93	718.73	719.57	720.40	721.17	722.16	722.36	723.00

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	PAVEMENT GRADES - LOT #40-55 (IH-94 & 76TH ST)	SHEET 36 E

FILE NAME : N:\PDS\C3D\CAD\10000400\021301_GR.DWG PLOT DATE : 7/27/2016 12:32 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

INLET PROTECTION TYPE B

INLET PROTECTION TYPE C

INLET PROTECTION TYPE B

CP9

INLET PROTECTION TYPE C

SILT FENCE

W. KEARNEY ST.

BP: 50+00.00

EP: 54+87.03

50+00 51+00 52+00 53+00 54+00 54+87

CP10

SILT FENCE

W. ADLER ST.

S. 76TH ST.

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	EROSION CONTROL - LOT #40-55 (IH-94 & 76TH ST)	SHEET 37	E

FILE NAME : N:\PDS\C3D\CAD\10000400\022002_EC.DWG PLOT DATE : 7/28/2016 8:37 AM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT

SHEET 13 OF 15

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	PERMANENT SIGNING - LOT #40-55 (IH-94 & 76TH ST)	SHEET 38	E

2

LEGEND

- LIGHT POLE, ARM MOUNTED LUMINAIRE
- DISTRIBUTION CENTER
- PULL BOX, 18"x36"
- PULL BOX, 24"x42"
- CONDUIT - 2" UNLESS OTHERWISE NOTED

N

CSF9/DSF9

DSF8/CSF8

CSF7/DSF7

CSF6

ASF4/BSF4

BSF3/ASF3

ASF5/BSF5

BSF2/ASF2

ASF1/BSF1

51+00

52+00

53+00

54+00

AREA UNDER CONSTRUCTION. UNABLE TO COLLECT SURVEY DATA. W. KEARNEY ST BEING CONVERTED TO A TEMPORARY I94 OFF RAMP AS PART OF THE ZOO INTERCHANGE RECONSTRUCTION PROJECT.

W. ADLER ST.

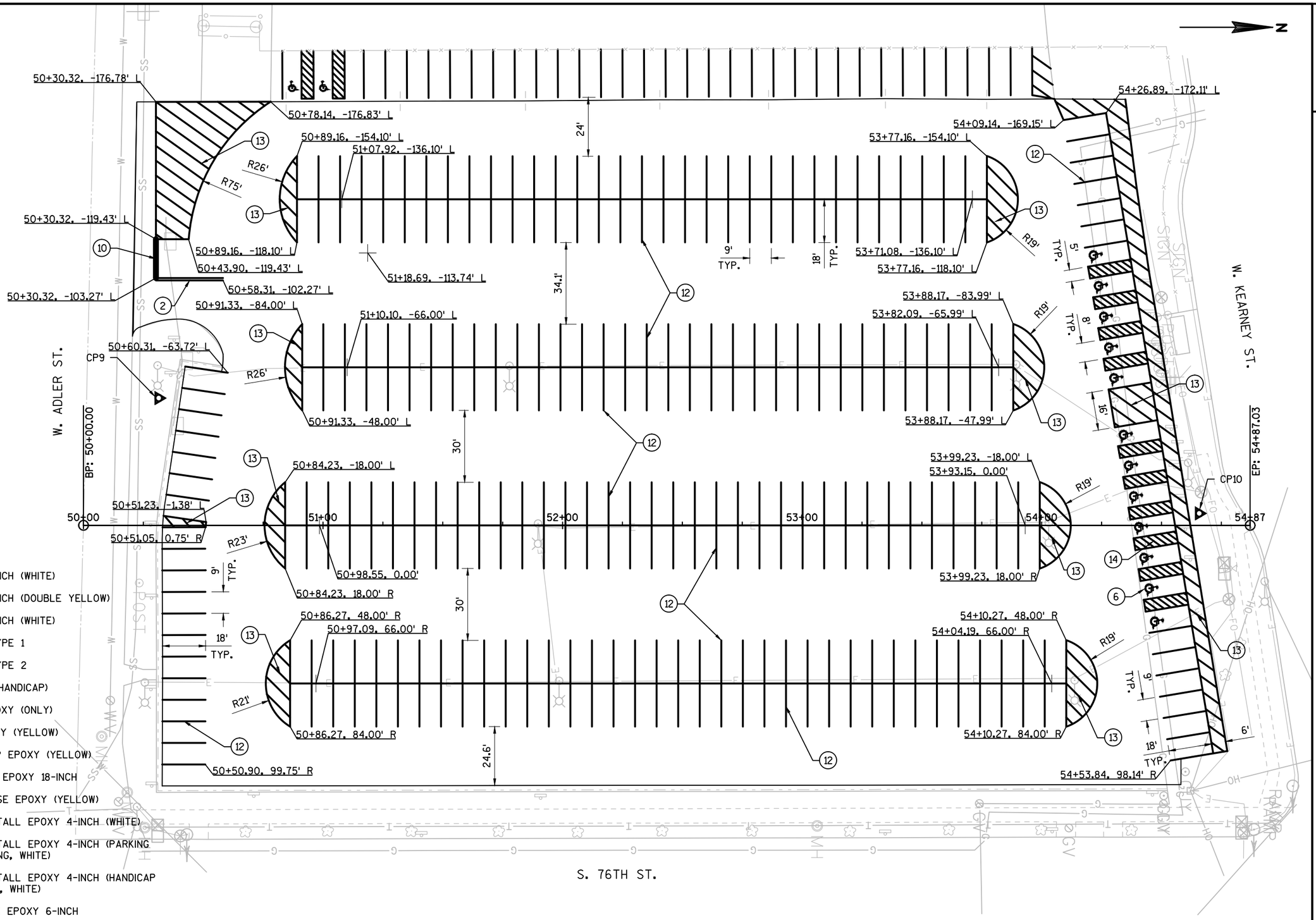
W. KEARNEY ST.

S. 76TH ST.

NOTES:
1. BOLDED REPRESENTS ITEMS TO BE REMOVED

2. REMOVE LUMINAIRES ONLY AND REPLACE WITH LUMINAIRE LED C.

PROJECT NO:1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	LIGHTING PLAN - LOT 40-55 (IH-94 & 76TH ST)	SHEET 39	E



LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
2. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
3. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
4. PAVEMENT MARKING ARROWS TYPE 1
5. PAVEMENT MARKING ARROWS TYPE 2
6. PAVEMENT MARKING SYMBOLS (HANDICAP)
7. PAVEMENT MARKING WORDS EPOXY (ONLY)
8. PAVEMENT MARKING CURB EPOXY (YELLOW)
9. PAVEMENT MARKING CURB RAMP EPOXY (YELLOW)
10. PAVEMENT MARKING STOP LINE EPOXY 18-INCH
11. PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
12. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (WHITE)
13. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (PARKING ISLANDS 5.0' C-C, 45° STRIPPING, WHITE)
14. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (HANDICAP ISLANDS 2' C-C, 45° STRIPPING, WHITE)
15. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	PAVEMENT MARKING - LOT #40-55 (IH-94 & 76TH ST)	SHEET 40	E

FILE NAME : N:\PDS\C3D\CAD\10000400\024509_PM.DWG PLOT DATE : 7/28/2016 4:08 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

TEMPORARY PARKING LOCATION

N

EXISTING CROSSWALK TO GET TO TEMPORARY BUS SHELTER

R9-3-BR 18"X12"

TEMPORARY PARKING LOT

EXISTING CHAIN LINK FENCE PUT IN AS PART OF ZOO PROJECT

SECURE TEMPORARY PEDESTRIAN SAFETY FENCE TO TYPE III BARRICADES

R11-2 48"X30" TEMPORARY PARKING IN WEST LOT

TYPE III BARRICADE

SECURE TEMPORARY PEDESTRIAN SAFETY FENCE TO TYPE III BARRICADES

16'

11'

6'

30'

MB

EXISTING CURB & GUTTER

BP: 50+00.00

50+00

51+00

52+00

53+00

54+00

54+87

EP: 54+87.03

W. ADLER ST.

W. KEARNEY ST.

SECURE TEMPORARY PEDESTRIAN SAFETY FENCE TO TYPE III BARRICADES

TEMPORARY PEDESTRIAN SAFETY FENCE

EXISTING TEMPORARY BUS STOP PICKUP LOCATION

*NOTE: DEPLOY PCMS BOARD 14 DAYS PRIOR TO START OF WORK.

S. 76TH ST.

TEMPORARY PEDESTRIAN SAFETY FENCE

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - LOT #40-55 (IH-94 & 76TH ST)	SHEET 41	E

2



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - LOT #40-55 (IH-94 & 76TH ST)	SHEET 42	E

2

2

N

AHEAD
D4-55-A
36"X36"
COVER

CRASH INVESTIGATION SITE AHEAD
D4-54-A
60"X48"
COVER

PARK & RIDE AHEAD
D4-2-A
36"X48"
COVER

PARK & RIDE
D4-2-R
36"X48"
COVER

PARK & RIDE
D4-2-R
36"X48"
COVER

CRASH INVESTIGATION SITE
D4-54-R
60"X48"
COVER

S. 76TH ST.

PARK & RIDE
D4-2-L
36"X48"
COVER

IH-94

D4-55-L
36"X36"
COVER

PARK & RIDE
D4-2-R
36"X48"
COVER

PARK & RIDE AHEAD
D4-2-A
36"X48"
COVER

CRASH INVESTIGATION SITE AHEAD
D4-54-A
60"X48"
COVER

Park & Ride
EXIT 307 A
D4-3
144"X90"
COVER

CRASH INVESTIGATION SITE
EXIT 307 A
D4-52
24"X24"
COVER

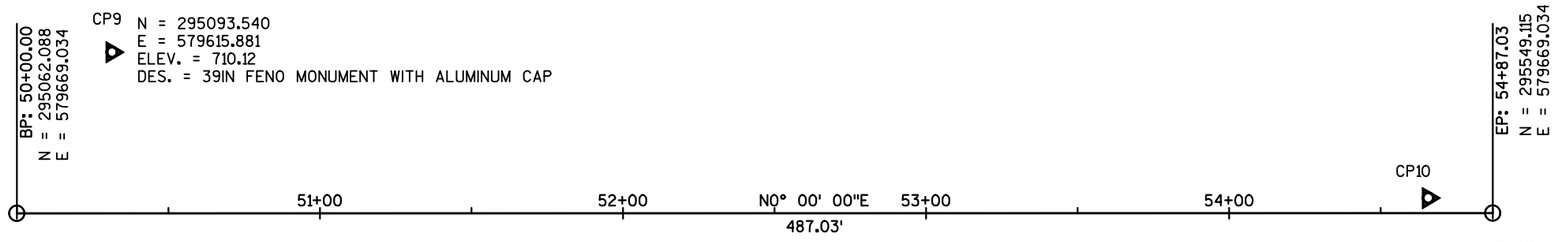
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - LOT #40-55 (IH-94 & 76TH ST)	SHEET 43	E

2

N



N = 295527.818
E = 57964.016
ELEV. = 722.49
DES. = 39IN FENO MONUMENT WITH ALUMINUM CAP

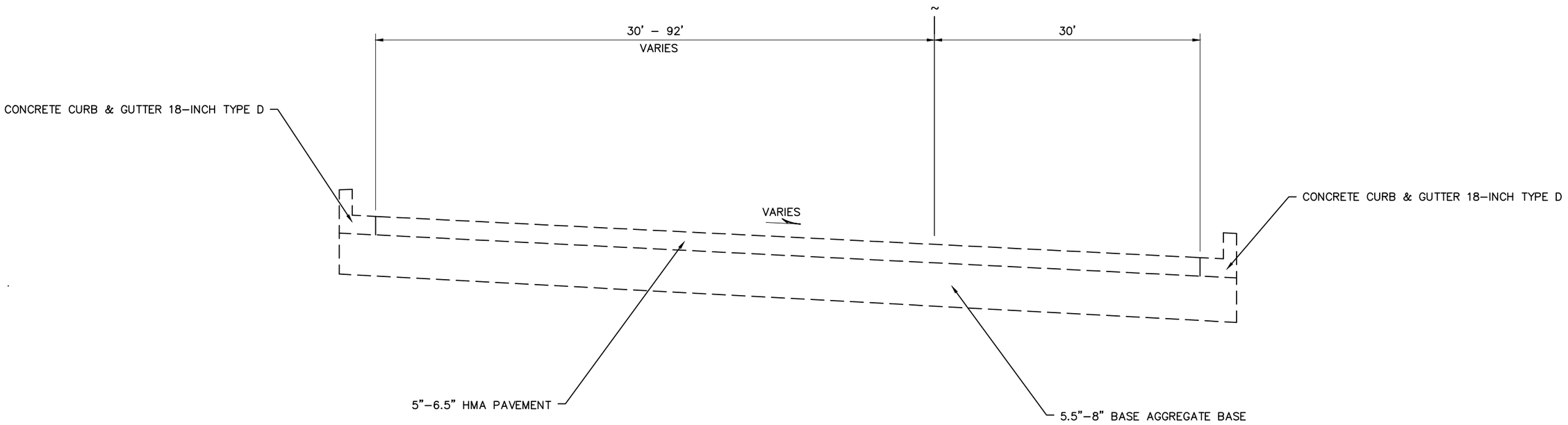
NOTE:
WCCS MILWAUKEE COUNTY
NAD 83 (2007)
NAVD 88 (2007)

2

2

LOT 40-70 - IH 41 & GOOD HOPE RD

EXISTING TYPICAL SECTIONS
FINISHED TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLAN
PLAN DETAIL
CONTOUR PLAN
EROSION CONTROL
SIGNING PLAN
LIGHTING
PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT LAYOUT

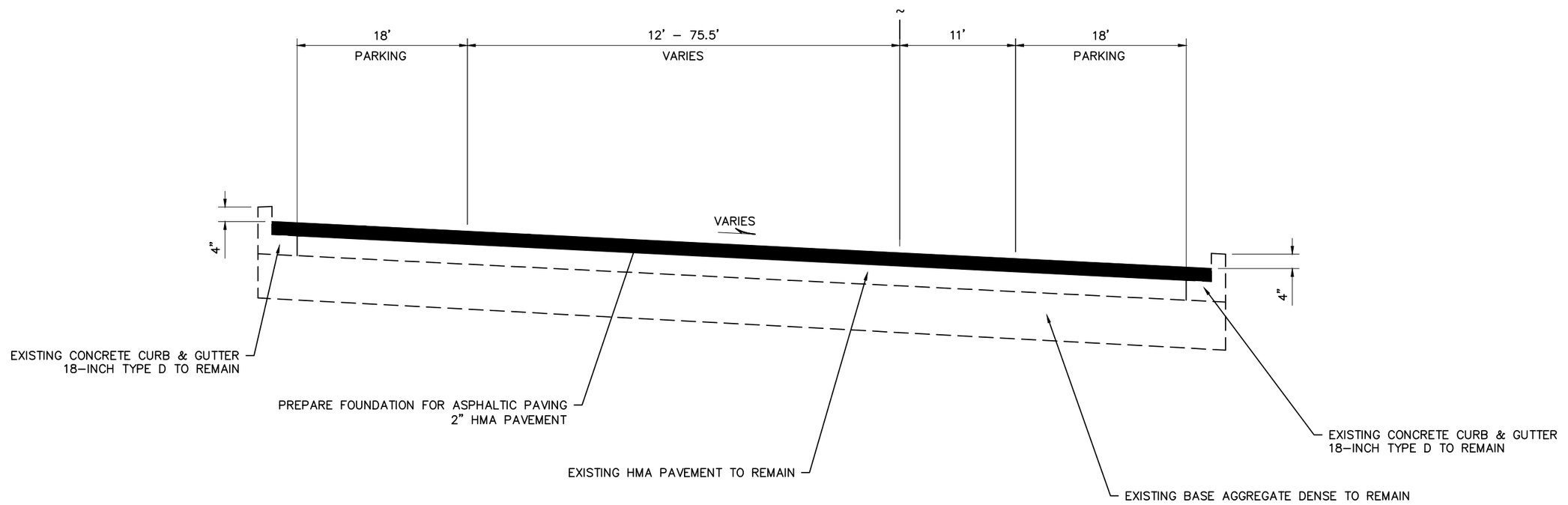


EXISTING TYPICAL SECTION

LOT #40–70 R/L
STA. 40+25 – STA. 46+00

PROJECT NO:1000–04–70	HWY:NON–HIGHTWAY	COUNTY:MILWAUKEE	TYPICAL SECTION – LOT #40–70 (IH 41 & GOOD HOPE RD)	SHEET 46 E

2

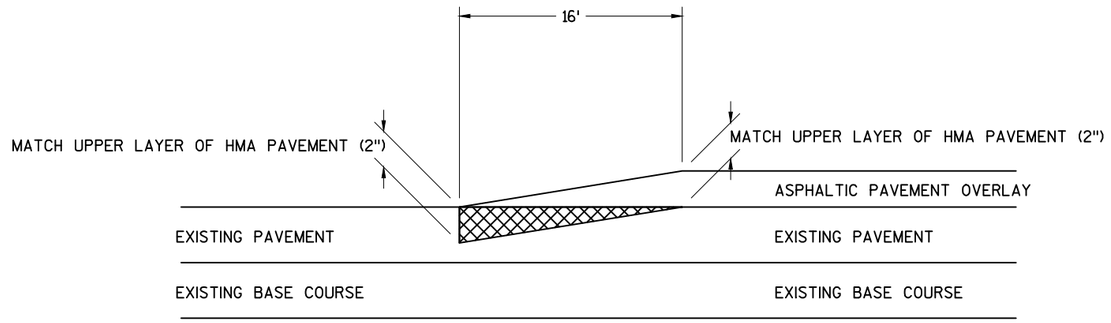


FINISHED TYPICAL SECTION

LOT #40–70 ~
STA. 40+25 – STA. 46+00

PROJECT NO:1000–04–70	HWY:NON–HIGHWAY	COUNTY:MILWAUKEE	TYPICAL SECTION – LOT #40–70 (IH–41 & GOOD HOPE RD)	SHEET 47	E

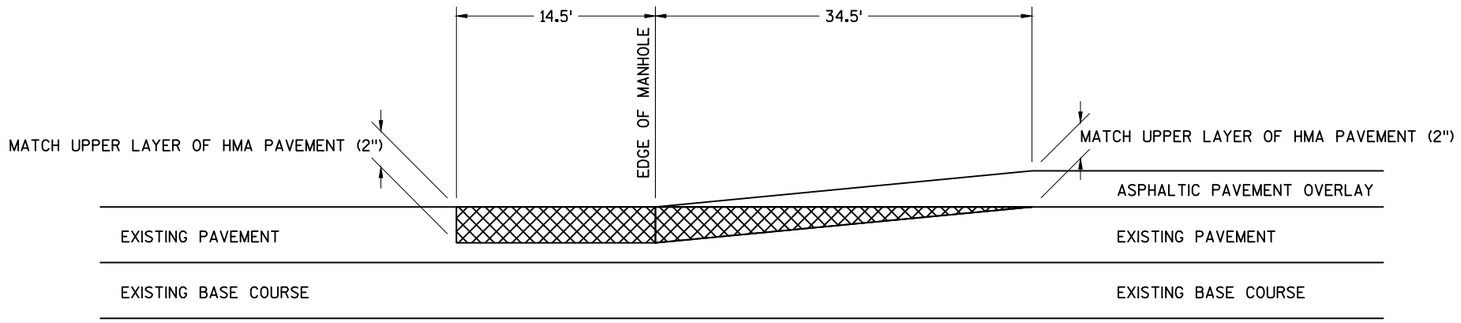
2



REMOVING ASPHALT SURFACE BUTT JOINTS

*MILL OUT CURB & GUTTER PAN WITH BUTT JOINT

BUTT JOINT DETAIL
LOT #40-70
NORTH BUTT JOINT



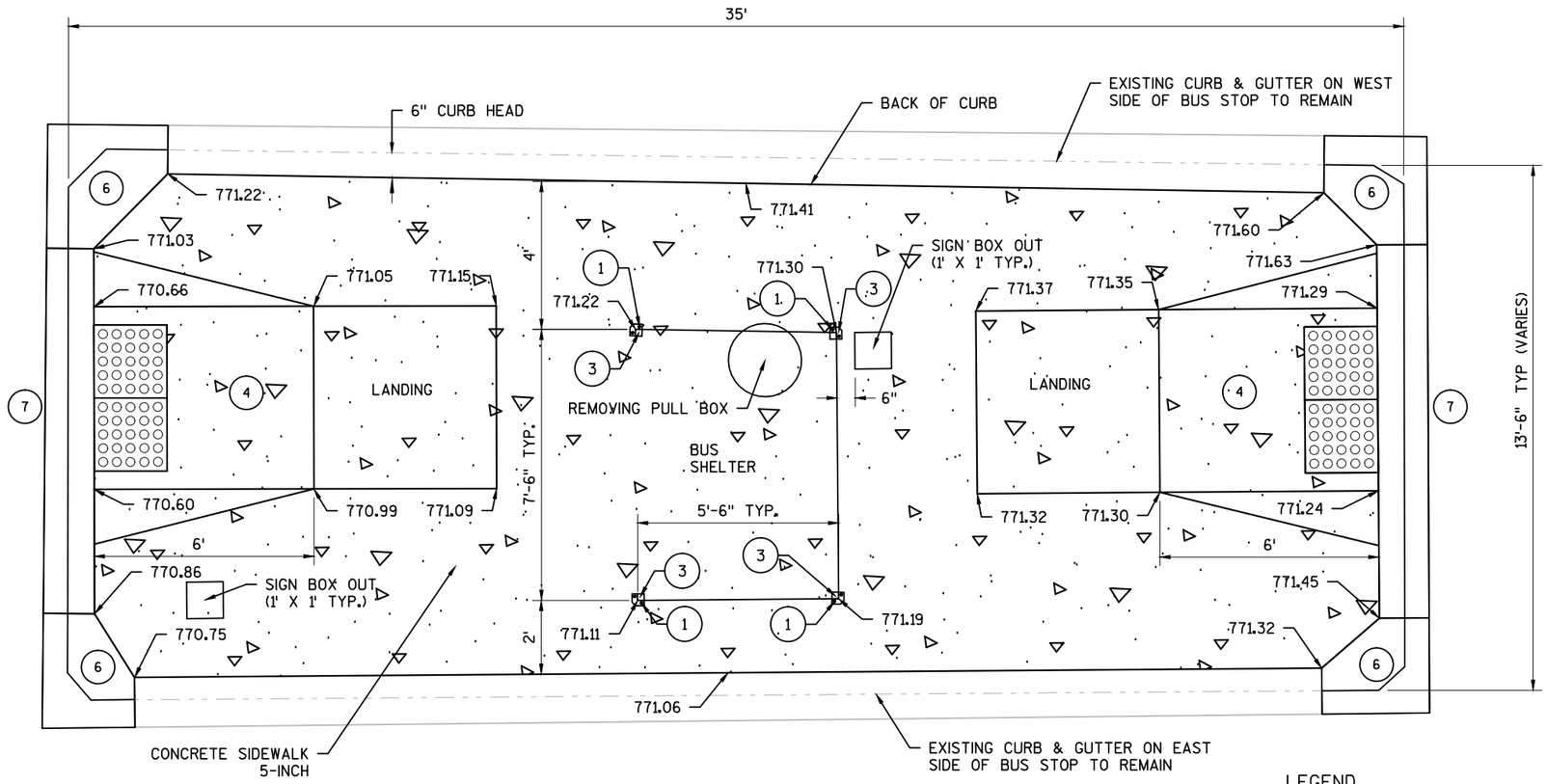
REMOVING ASPHALT SURFACE BUTT JOINTS

*MILL OUT CURB & GUTTER PAN WITH BUTT JOINT

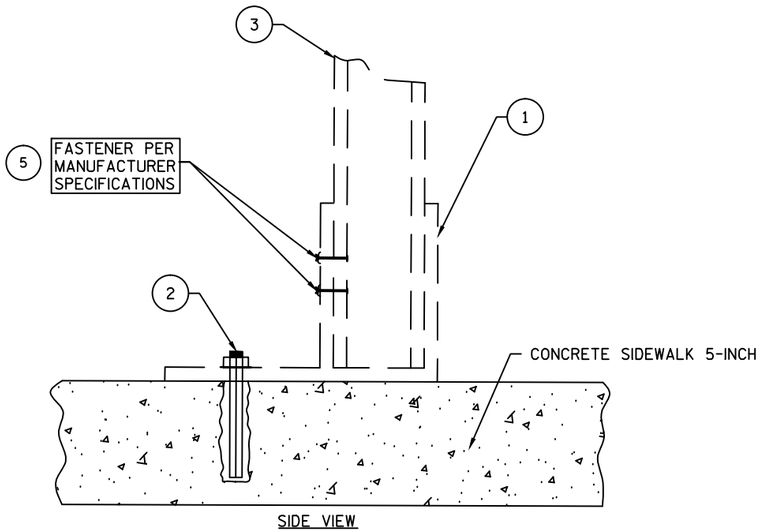
BUTT JOINT DETAIL
LOT #40-70
SOUTH BUTT JOINT

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	CONSTRUCTION DETAIL - LOT #40-70 (IH-41 & GOOD HOPE RD)	SHEET 48	E

FILE NAME : N:\PDS\C3D\CAD\10000400\ACF_021001_CD.DWG
LAYOUT NAME - ACF_021001_CD - 021013_CD
PLOT DATE : 7/19/2016 3:30 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

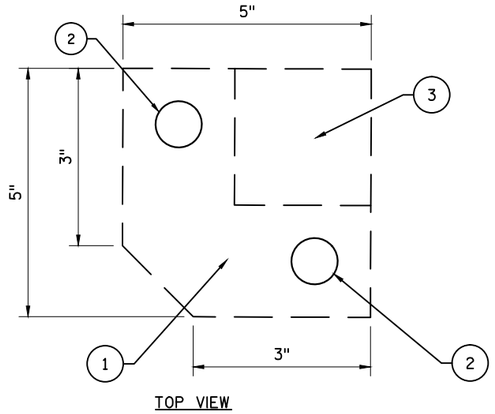


PLAN VIEW - BUS STOP ISLAND & BUS SHELTER, LOT 40-70



SIDE VIEW

MANUFACTURER:
HANDI-HUT INC.
3 GRUNWALD STREET
CLIFTON, NJ 07013
1-800-603-6635



TOP VIEW

SALVAGING BUS SHELTER

LEGEND

1. EXISTING BUS SHELTER ANCHOR FLANGE
2. NEW HANDI-HUT ANCHOR BOLT, STAINLESS STEEL (EXPANSION BOLT)
3. EXISTING BUS SHELTER SUPPORT
4. CURB RAMP TYPE III WITH DETECTABLE WARNING FIELD YELLOW (SEE STANDARD DETAIL DRAWINGS FOR CURB RAMPS)
5. FLANGE-TO-SUPPORT FASTENER MAY REQUIRE REMOVAL & REPLACEMENT TO LEVEL / ADJUST SHELTER.
6. CONCRETE MEDIAN SLOPED NOSE
7. CONCRETE CURB & GUTTER 18-INCH TYPE D

NOTES:

- RE-USE OF EXISTING ANCHOR FLANGES AND RE-INSTALLATION OF SALVAGED BUS SHELTER SHALL BE IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.
- TRASH CANS & OTHER EXISTING ITEMS TO BE REMOVED, STORED TEMPORARILY, AND RE-INSTALLED, INCIDENTAL TO "SALVAGING BUS SHELTER" ITEM.
- CONFIGURATION/MEASUREMENTS OF BUS SHELTER SUPPORTS/FLANGES MAY VARY FROM DIAGRAM. MATCH EXISTING BOLT PATTERN IN THE FIELD.
- SIDEWALK GRADES SHALL CONFORM TO THE REQUIREMENTS OF THE CURB RAMPS SDD. ELEVATIONS MAY BE ADJUSTED AS DIRECTED BY ENGINEER.

2

N

W. GOOD HOPE RD.

SAWING ASPHALT

19'

CP7

REMOVING EXISTING CONCRETE MEDIAN SLOPED NOSE PAID AS REMOVING CURB & GUTTER

SALVAGING BUS SHELTER (SEE CONSTRUCTION DETAIL)

CURB & GUTTER ON EAST AND WEST SIDES OF BUS STOP TO REMAIN

REMOVING PULL BOX

REMOVING DISCONTINUED PAYPHONE STUB

CP8

BP: 40+00.00

40+00 41+00 42+00 43+00 44+00 45+00 46+00

℄

REMOVING EXISTING CONCRETE MEDIAN SLOPED NOSE PAID AS REMOVING CURB & GUTTER

34.5'

14.5'

SAWING ASPHALT

EXISTING MANHOLE & COVER TO REMAIN

EXISTING CULVERT PIPE REINFORCED CONCRETE 24-INCH TO REMAIN

N. 115TH ST.

LEGEND

- PULVERIZE AND RELAY
- POTENTIAL EBS AREA
- APPROX. EXTENT OF CONTAMINATED SOIL
- REMOVING ASPHALTIC SURFACE BUTT JOINT (SEE DETAIL)
- REMOVING CONCRETE SIDEWALK
- REMOVING CONCRETE CURB & GUTTER

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	REMOVAL PLAN - LOT #40-70 (IH-41 & GOOD HOPE RD)	SHEET 50	E

FILE NAME : N:\PDS\C3D\CAD\10000400\021152_RM.DWG PLOT DATE : 9/12/2016 10:46 AM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

W. GOOD HOPE RD.

CP7

BP: 40+00.00

40+00

41+00

42+00

43+00

44+00

45+00

46+00

℄

HMA PAVEMENT

CP8

SEE SALVAGING BUS SHELTER DETAIL

ASPHALTIC FLUME

RIPRAP LIGHT

EXISTING MANHOLE & COVER TO REMAIN

EXISTING CULVERT PIPE REINFORCED CONCRETE 24-INCH TO REMAIN

N. 115TH ST.

LEGEND

- CONCRETE SIDEWALK 5"
- (A) CONCRETE CURB & GUTTER 30-INCH TYPE D
- (B) CONCRETE CURB & GUTTER 18-INCH TYPE D
- (C) CONCRETE DRIVEWAY 8-INCH
- (D) CONCRETE PAVEMENT 8-INCH
- REMOVING ASPHALTIC SURFACE BUTT JOINT

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	PLAN DETAIL - LOT #40-70 (IH-41 & GOOD HOPE RD)	SHEET 51	E

FILE NAME : N:\PDS\C3D\CAD\10000400\021205_PD.DWG PLOT DATE : 7/6/2016 1:51 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

*CONTOURS PROVIDED FOR INFORMATIONAL PURPOSES.
CONTRACTOR RESPONSIBLE FOR POSITIVE DRAINAGE.

W. GOOD HOPE RD.

BUTT JOINT TO MATCH

BP: 40+00.00

40+00 41+00 42+00 43+00 44+00 45+00 46+00

℄

764 766 768 770 772 774

BUTT JOINT TO MATCH

N. 115TH ST.

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	PROPOSED CONTOURS - LOT #40-70 (IH-41 & GOOD HOPE RD)	SHEET 52	E

2

N

W. GOOD HOPE RD.

CP7

CP8

BP: 40+00.00

40+00

41+00

42+00

43+00

44+00

45+00

46+00

℄

ROCK BAGS

ROCK BAGS

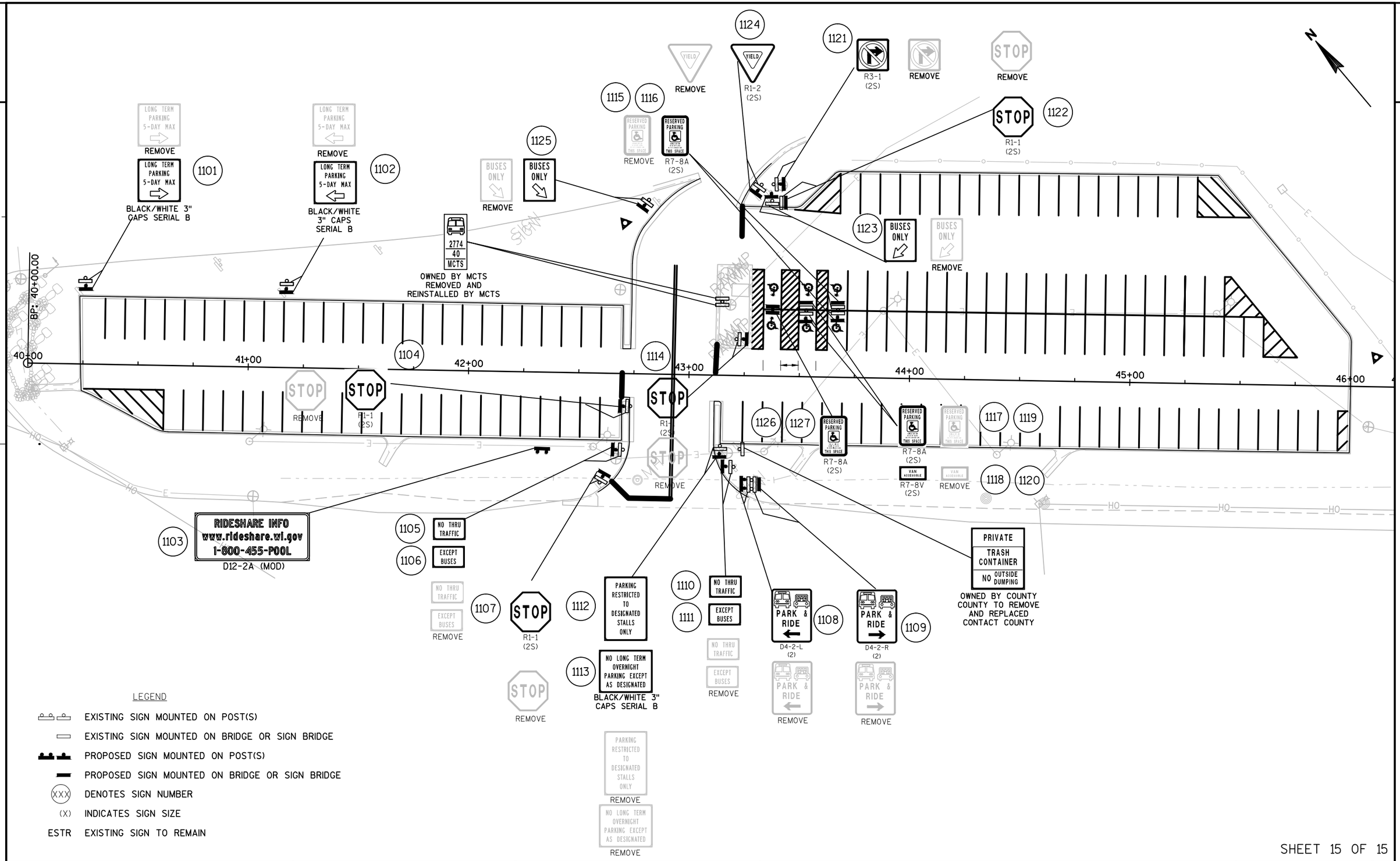
ROCK BAGS

CULVERT PIPE CHECK

ROCK BAGS

N. 115TH ST.

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	EROSION CONTROL - LOT #40-70 (IH-41 & GOOD HOPE RD)	SHEET 53	E



SHEET 15 OF 15

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	PERMANENT SIGNING - LOT #40-70 (IH-41 & GOOD HOPE RD)	SHEET 54	E

FILE NAME : N:\PDS\C3D\CAD\10000400\PERMANENT SIGNING\023214_PS.DWG PLOT DATE : 7/25/2016 8:24 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:40 FT

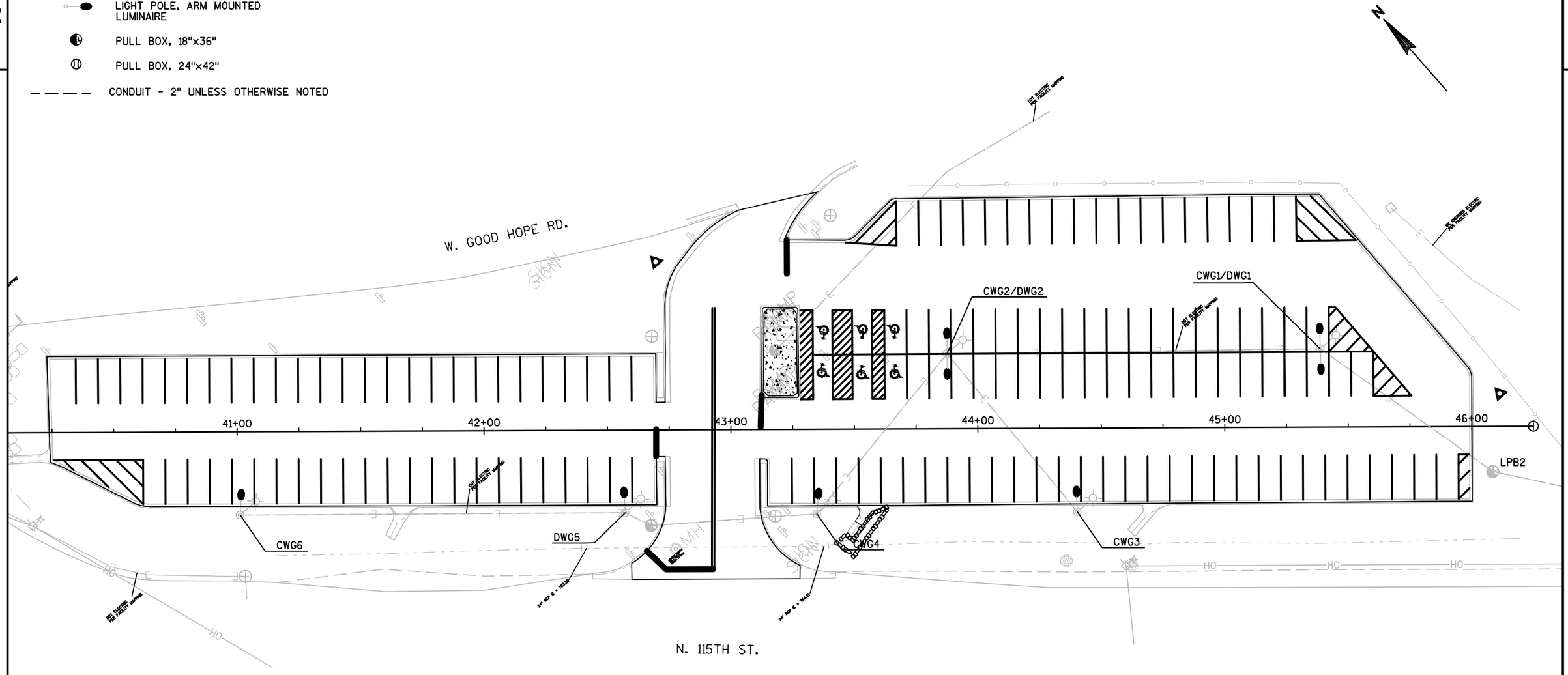
LEGEND

LIGHT POLE, ARM MOUNTED LUMINAIRE

PULL BOX, 18"x36"

PULL BOX, 24"x42"

CONDUIT - 2" UNLESS OTHERWISE NOTED

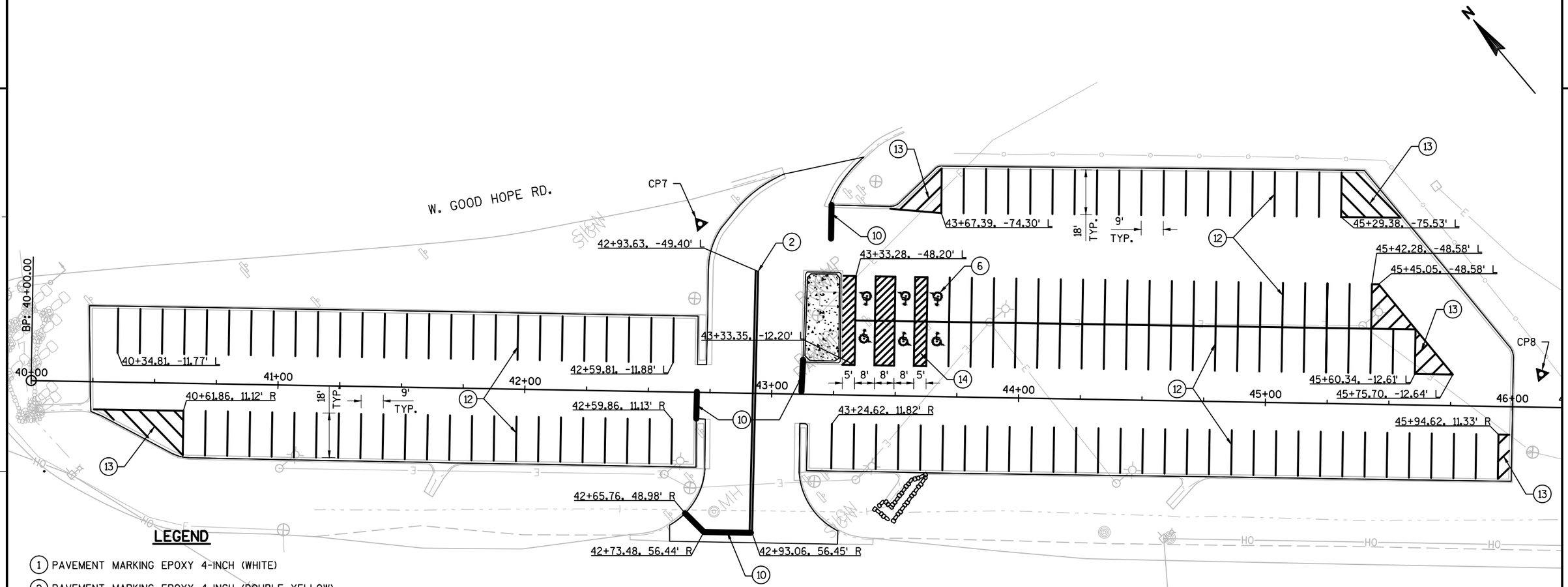


NOTES:
1. BOLDED REPRESENTS ITEMS TO BE REMOVED

2. REMOVE LUMINAIRES ONLY AND REPLACE WITH LUMINAIRE LED C.

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	LIGHTING PLAN - LOT # 40-70 (IH-41 & GOOD HOPE RD)	SHEET 55	E

2



LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
2. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
3. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
4. PAVEMENT MARKING ARROWS TYPE 1
5. PAVEMENT MARKING ARROWS TYPE 2
6. PAVEMENT MARKING SYMBOLS (HANDICAP)
7. PAVEMENT MARKING WORDS EPOXY (ONLY)
8. PAVEMENT MARKING CURB EPOXY (YELLOW)
9. PAVEMENT MARKING CURB RAMP EPOXY (YELLOW)
10. PAVEMENT MARKING STOP LINE EPOXY 18-INCH
11. PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
12. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (WHITE)
13. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (PARKING ISLANDS 5.0' C-C, 45° STRIPPING, WHITE)
14. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (HANDICAP ISLANDS 2' C-C, 45° STRIPPING, WHITE)
15. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	PAVEMENT MARKING - LOT #40-70 (IH-41 & GOOD HOPE RD)	SHEET 56	E

2

R11-2
48"X30"
PARK & RIDE CLOSED
TYPE III BARRICADE

N

W. GOOD HOPE RD.

BP: 40+00.00

40+00 41+00 42+00 43+00 44+00 45+00 46+00

℄

MB

*NOTE: DEPLOY PCMS BOARD 14 DAYS PRIOR TO START OF WORK.

N. 115TH ST.

R11-2
48"X30"
PARK & RIDE CLOSED
TYPE III BARRICADE

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - S1A - LOT #40-70 (IH-41 & GOOD HOPE RD)	SHEET 57	E

FILE NAME : N:\PDS\C3D\CAD\10000400\026011_S1A.DWG PLOT DATE : 7/29/2016 12:51 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

ROAD WORK AHEAD
W20-1-A

ROAD NARROWS
W05-1
48"X48"

300'

100'

W. GOOD HOPE RD.

END ROAD WORK
G20-2A
48"X24"

N

N. 115TH ST.

ROAD WORK AHEAD
W20-1-A

100'

300'

ROAD NARROWS
W05-1
48"X48"

END ROAD WORK
G20-2A
48"X24"

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - S1A - LOT #40-70 (IH-41 & GOOD HOPE RD)	SHEET 58	E

FILE NAME : N:\PDS\C3D\CAD\10000400\026011_S1B.DWG PLOT DATE : 7/29/2016 12:51 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 0.015631

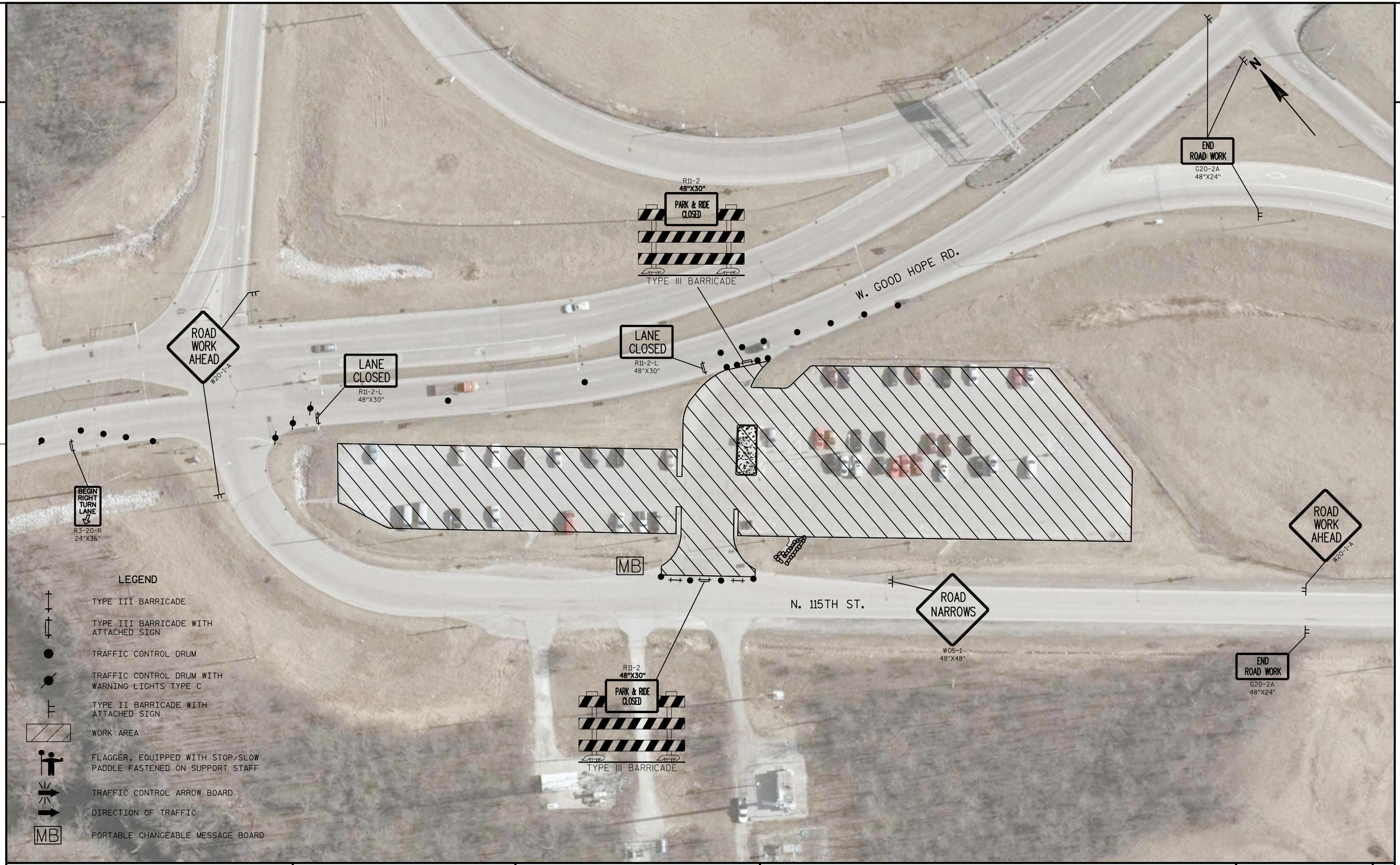
2



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - S1A - LOT #40-70 (IH-41 & GOOD HOPE RD)	SHEET 59	E

FILE NAME : N:\PDS\C3D\CAD\10000400\026011_S1C.DWG PLOT DATE : 7/29/2016 12:51 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 0.015489

2



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - S1B - LOT #40-70 (IH-41 & GOOD HOPE RD)	SHEET 60	E

2



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - S1B - LOT #40-70 (IH-41 & GOOD HOPE RD)	SHEET 61	E

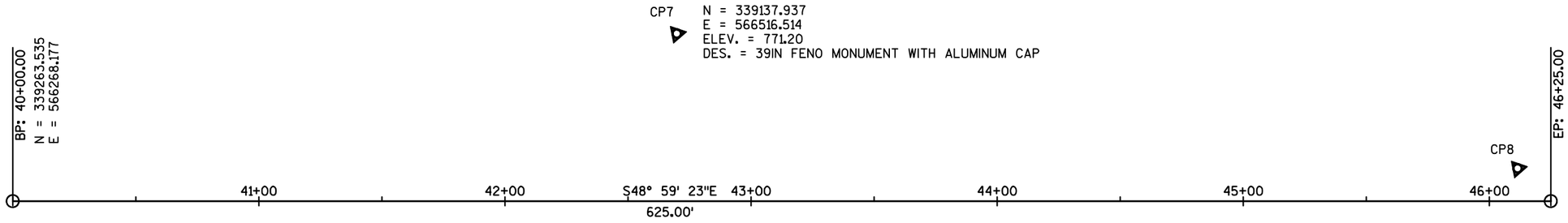
2



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - S1B - LOT #40-70 (IH-41 & GOOD HOPE RD)	SHEET 62	E

FILE NAME : N:\PDS\C3D\CAD\10000400\026011_S1C_B.DWG PLOT DATE : 7/29/2016 12:51 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 0.003789

2



N = 338872.350
E = 566738.375
ELEV. = 773.20
DES. = 39IN FENO MONUMENT WITH ALUMINUM CAP

NOTE:
WCCS MILWAUKEE COUNTY
NAD 83 (2007)
NAVD 88 (2007)

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	ALIGNMENT LAYOUT - LOT #40-70 (IH-41 & GOOD HOPE RD)	SHEET 63	E

2

2

LOT 40-85 - IH 43 & BROWN DEER RD

SIGNING PLAN

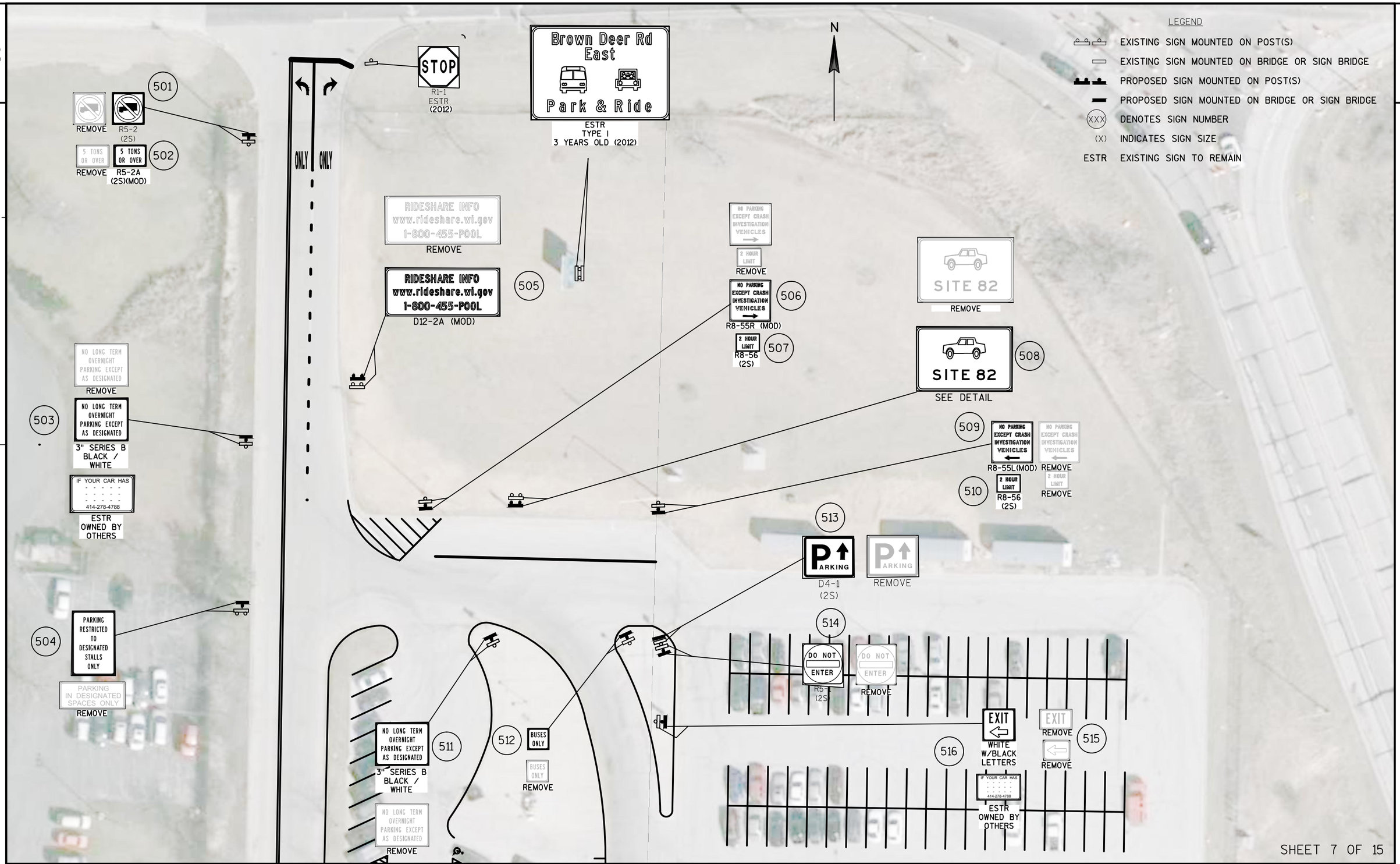
LIGHTING PLAN

PAVEMENT MARKING

TRAFFIC CONTROL

PROJECT NO: 1000-04-70	**HWY: NON-HWY – VARIOUS P & R**	**COUNTY: SE REGION - WIDE**	**LOT 40-85**	**SHEET:** 64	**E**

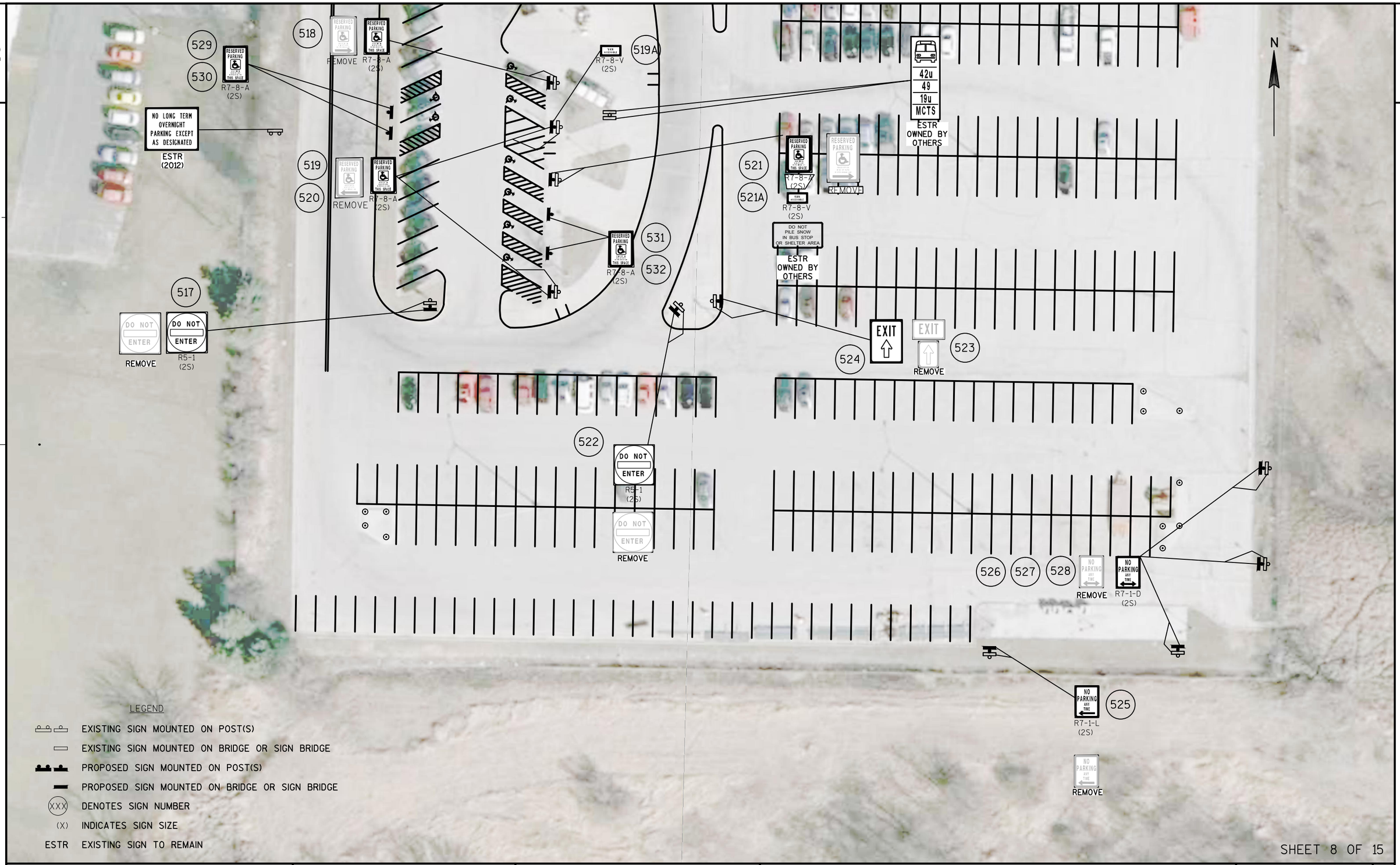
FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1



PROJECT NO: 1000-04-00	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	PERMANENT SIGNING - LOT #40-85 (IH-43 & BROWN DEER RD)	SHEET 65	E

FILE NAME : N:\PDS\C3D\CAD\10000400\PERMANENT SIGNING\023206_PS.DWG PLOT DATE : 7/25/2016 8:24 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 1000-04-00	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	PERMANENT SIGNING - LOT #40-85 (IH-43 & BROWN DEER RD)	SHEET 66	E

FILE NAME : N:\PDS\C3D\CAD\10000400\PERMANENT SIGNING\023207_PS.DWG PLOT DATE : 7/25/2016 8:24 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:40 FT



NOTES:
1. BOLDED REPRESENTS ITEMS TO BE REMOVED

2. REMOVE LUMINAIRES ONLY AND REPLACE WITH LUMINAIRE LED C OR POST TOP LUMINARIES.

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	LIGHTING PLAN - LOT #40-85 (IH-43 & BROWN DEER RD)	SHEET 67	E

LEGEND

- LIGHT POLE, ARM MOUNTED LUMINAIRE
- DISTRIBUTION CENTER
- POST TOP LUMINAIRE
- PULL BOX, 18"x36"
- PULL BOX, 24"x42"
- CONDUIT - 2" UNLESS OTHERWISE NOTED

FBQ5
FBQ4
PB2
FBQ3
FBQ2
ABQ3/BBQ3
ABQ2/BBQ2
PB0
EBQ1/EBQ1
ABQ1/BBQ1
GBQ1
GBQ2
GBQ3
PB6
PB1
N

NOTES:
1. BOLDED REPRESENTS ITEMS TO BE REMOVED

2. REMOVE LUMINAIRES ONLY AND REPLACE WITH LUMINAIRE LED C OR POST TOP LUMINARIES.

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	LIGHTING PLAN - LOT #40-85 (IH-43 & BROWN DEER RD)	SHEET 68	E

STH 100/W. BROWN DEER RD.

N

IH-43 SB ON-RAMP

IH-43 SB OFF-RAMP

LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
2. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
3. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
4. PAVEMENT MARKING ARROWS TYPE 1
5. PAVEMENT MARKING ARROWS TYPE 2
6. PAVEMENT MARKING SYMBOLS (HANDICAP)
7. PAVEMENT MARKING WORDS EPOXY (ONLY)
8. PAVEMENT MARKING CURB EPOXY (YELLOW)
9. PAVEMENT MARKING CURB RAMP EPOXY (YELLOW)
10. PAVEMENT MARKING STOP LINE EPOXY 18-INCH
11. PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
12. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (WHITE)
13. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (PARKING ISLANDS 5.0' C-C, 45° STRIPPING, WHITE)
14. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (HANDICAP ISLANDS 2' C-C, 45° STRIPPING, WHITE)
15. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH

10
5
3
ONLY ONLY
7
3 3' LINE 9' GAP
13
2
16'
3
100'
8
19.8' TYP.
9' TYP.
12
6
8
8
*DIMENSIONS FOR REFERENCE ONLY. MATCH EXISTING PAVEMENT MARKING, EXCEPT AT HANDICAP STALL AREA.
9' TYP.
18' TYP.
12
24'
24' TYP.
12
24'
12

PROJECT NO: 1000-04-00	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	PAVEMENT MARKING - LOT #40-85 (IH-43 & BROWN DEER RD)	SHEET 69	E

2

2

LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
2. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
3. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
4. PAVEMENT MARKING ARROWS TYPE 1
5. PAVEMENT MARKING ARROWS TYPE 2
6. PAVEMENT MARKING SYMBOLS (HANDICAP)
7. PAVEMENT MARKING WORDS EPOXY (ONLY)
8. PAVEMENT MARKING CURB EPOXY (YELLOW)
9. PAVEMENT MARKING CURB RAMP EPOXY (YELLOW)
10. PAVEMENT MARKING STOP LINE EPOXY 18-INCH
11. PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
12. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (WHITE)
13. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (PARKING ISLANDS 5.0' C-C, 45° STRIPPING, WHITE)
14. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (HANDICAP ISLANDS 2' C-C, 45° STRIPPING, WHITE)
15. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH

8' TYP.
16'
5.5' TYP.
9' TYP.
5' TYP.
19.8' TYP.
8' TYP.
18' TYP.
9' TYP.
24' TYP.
16' TYP.

REMOVE EXISTING DELINEATORS AND REPLACE WITH NEW DELINEATORS FLEXIBLE

REMOVE EXISTING DELINEATORS AND REPLACE WITH NEW DELINEATORS FLEXIBLE

REMOVE EXISTING DELINEATORS AND REPLACE WITH NEW DELINEATORS FLEXIBLE

*DIMENSIONS FOR REFERENCE ONLY. MATCH EXISTING PAVEMENT MARKING, EXCEPT AT HANDICAP STALL AREA.

N

PROJECT NO: 1000-04-00	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	PAVEMENT MARKING - LOT #40-85 (IH-43 & BROWN DEER RD)	SHEET 70	E

FILE NAME : N:\PDS\C3D\CAD\10000400\024505A_PM.DWG PLOT DATE : 7/28/2016 5:38 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

STH 100/W. BROWN DEER RD.

N

IH-43 SB OFF-RAMP

IH-43 SB ON-RAMP

WORK:
1. PAVEMENT MARKING IN WORK ZONE AREA.
2. PERMANENT SIGNING IN WORK ZONE AREA.

*NOTE: DEPLOY PCMS BOARD 14 DAYS PRIOR TO START OF WORK.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1000-04-00	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - S1 - LOT #40-85 (IH-43 & BROWN DEER RD)	SHEET 71	E



PROJECT NO: 1000-04-00	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - S1 - LOT #40-85 (IH-43 & BROWN DEER RD)	SHEET 72	E

FILE NAME : N:\PDS\C3D\CAD\10000400\026008_S1.DWG PLOT DATE : 7/29/2016 1:02 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT

STH 100/W. BROWN DEER RD.

N

IH-43 SB ON-RAMP

IH-43 SB OFF-RAMP

WORK:
1. PAVEMENT MARKING IN WORK ZONE AREA.
2. PERMANENT SIGNING IN WORK ZONE AREA.

MB

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1000-04-00	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - S2 - LOT #40-85 (IH-43 & BROWN DEER RD)	SHEET 73	E

2

N

WORK:
1. PAVEMENT MARKING IN WORK ZONE AREA.
2. PERMANENT SIGNING IN WORK ZONE AREA.

1

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1000-04-00	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - S2 - LOT #40-85 (IH-43 & BROWN DEER RD)	SHEET 74	E

STH 100/W. BROWN DEER RD.

N

IH-43 SB ON-RAMP

IH-43 SB OFF-RAMP

WORK:
1. REMOVE PAVEMENT MARKING FOR HANDICAP PARKING THAT IS LOCATED IN WORK ZONE AREA.
2. PAVEMENT MARKING IN WORK ZONE AREA.
3. PERMANENT SIGNING IN WORK ZONE AREA.

MB

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1000-04-00	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - S3 - LOT #40-85 (IH-43 & BROWN DEER RD)	SHEET 75	E

2

N

TEMPORARY HANDICAP PARKING AREA

R7-8-A (2S)

R7-1-D (2S)

CONTINUE THIS PATTERN OF SIGNS ON BOTH SIDES OF TEMPORARY SUPPORT THROUGHOUT TEMPORARY HANDICAP PARKING AREA

WORK:
1. REMOVE PAVEMENT MARKING FOR HANDICAP PARKING THAT IS LOCATED IN WORK ZONE AREA.
2. PAVEMENT MARKING IN WORK ZONE AREA.
3. PERMANENT SIGNING IN WORK ZONE AREA.

1

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1000-04-00	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - S3 - LOT #40-85 (IH-43 & BROWN DEER RD)	SHEET 76	E

FILE NAME : N:\PDS\C3D\CAD\10000400\026208_S3.DWG PLOT DATE : 7/29/2016 1:02 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT

STH 100/W. BROWN DEER RD.

N

IH-43 SB OFF-RAMP

IH-43 SB ON-RAMP

WORK:
1. PAVEMENT MARKING IN WORK ZONE AREA.
2. PERMANENT SIGNING IN WORK ZONE AREA.

*STAGE 4 BUILT UNDER FLAGGING OPERATIONS.

MB

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1000-04-00	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - S4 - LOT #40-85 (IH-43 & BROWN DEER RD)	SHEET 77	E

2

2

N

WORK:
1. PAVEMENT MARKING IN WORK ZONE AREA.
2. PERMANENT SIGNING IN WORK ZONE AREA.

*STAGE 4 BUILT UNDER FLAGGING OPERATIONS.

1

LEGEND

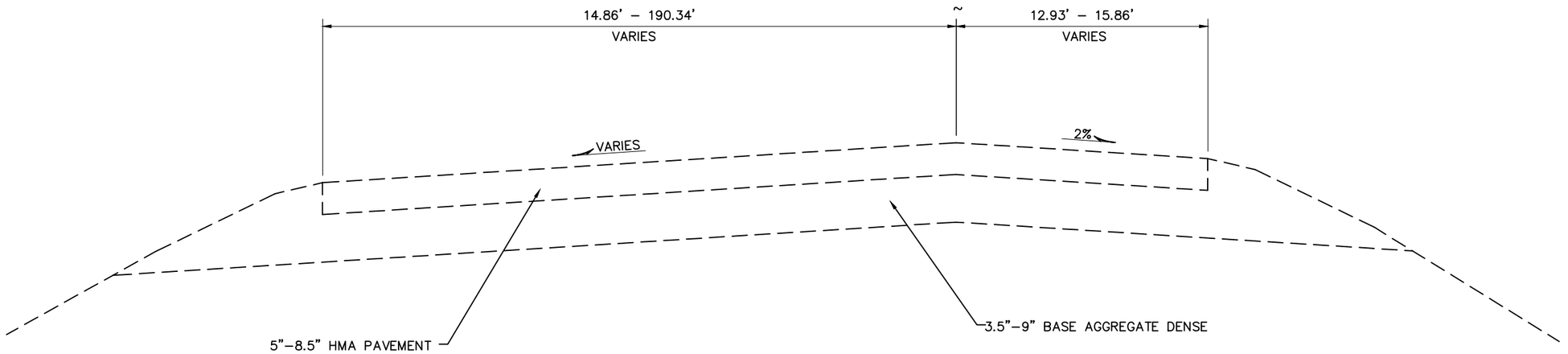
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1000-04-00	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	TRAFFIC CONTROL - S4 - LOT #40-85 (IH-43 & BROWN DEER RD)	SHEET 78	E

2

LOT 45-20 - IH 43 & CTH C (PIONEER RD)

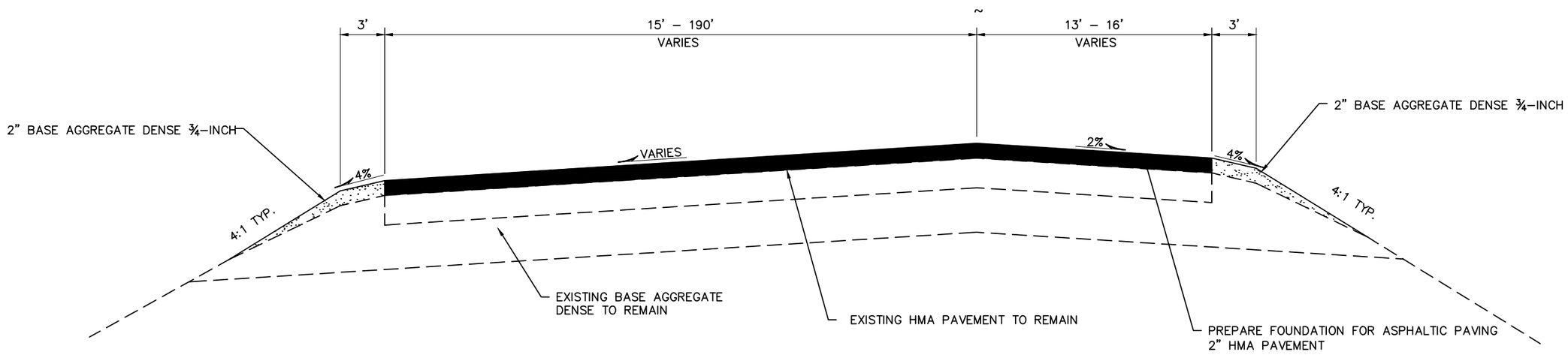
EXISTING TYPICAL SECTIONS
FINISHED TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLAN
PLAN DETAIL
CONTOUR PLAN
EROSION CONTROL
SIGNING PLAN
PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT LAYOUT



EXISTING TYPICAL SECTION

LOT #45–20 ~
STA. 30+17 – STA. 33+81

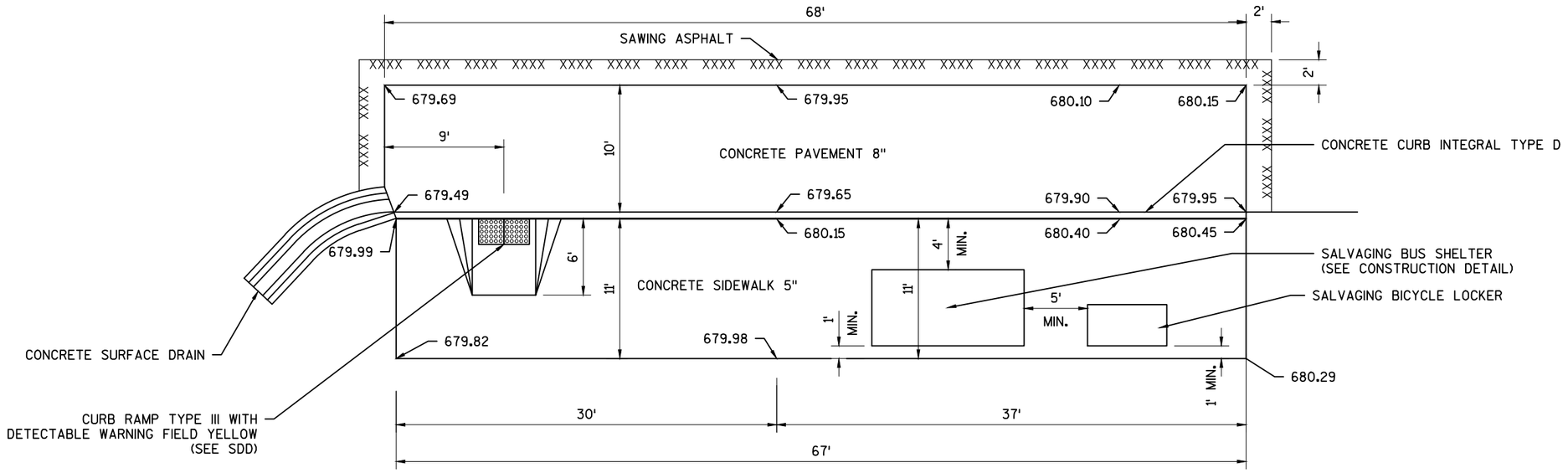
PROJECT NO:1000–04–70	HWY:NON–HIGHWAY	COUNTY:OZAUKEE	TYPICAL SECTION – LOT #45–20 (IH–43 & CTH C)	SHEET 80 LE



FINISHED TYPICAL SECTION

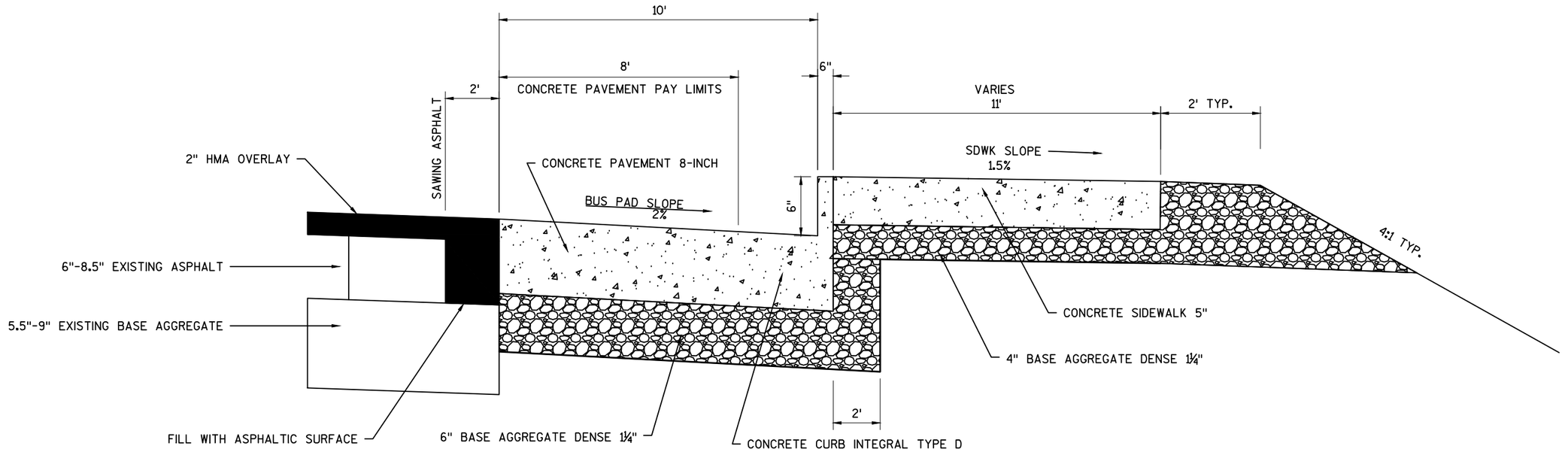
LOT #45–20 ~
STA. 30+17 – STA. 33+81

PROJECT NO:1000–04–70	HWY:NON–HIGHWAY	COUNTY:OZAUKEE	TYPICAL SECTION – LOT #45–20 (IH–43 & CTH C)	SHEET 81 E



BUS STOP AREA

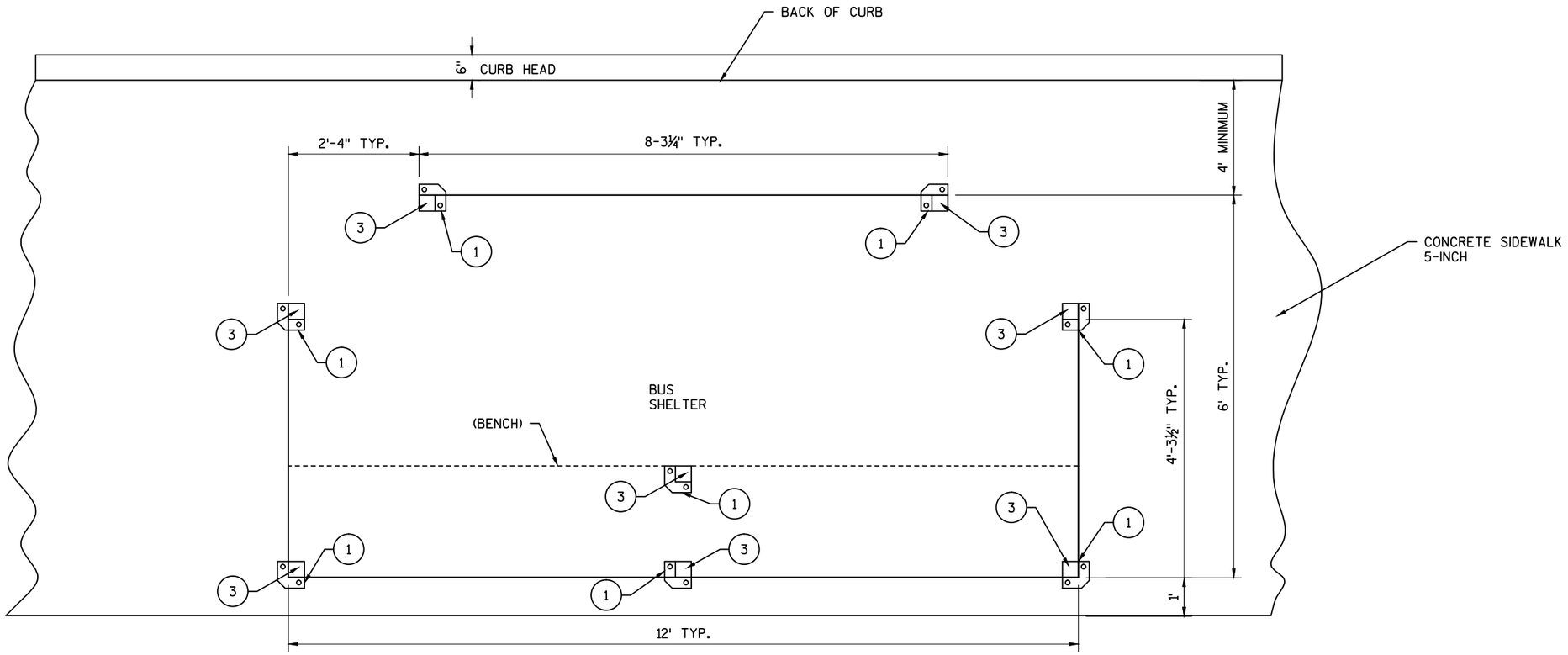
LOT #45-20 (IH-43 & CTH C)



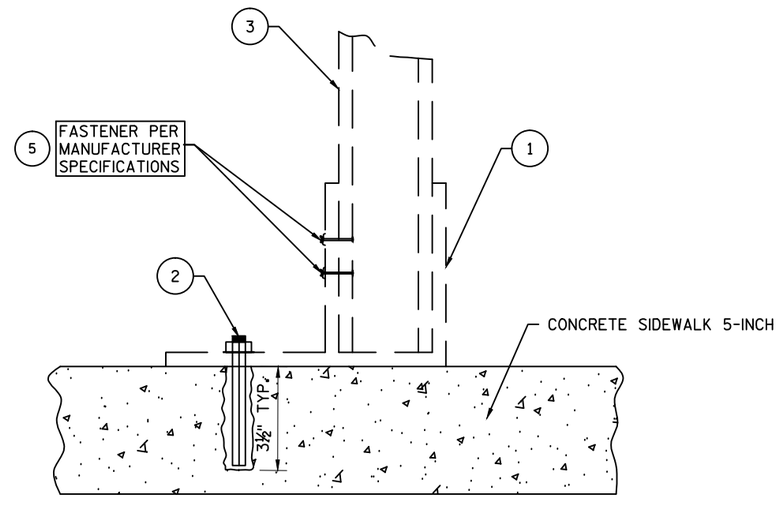
SECTION VIEW

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	CONSTRUCTION DETAIL - LOT #45-20 (IH-43 & CTH C)	SHEET 82	E

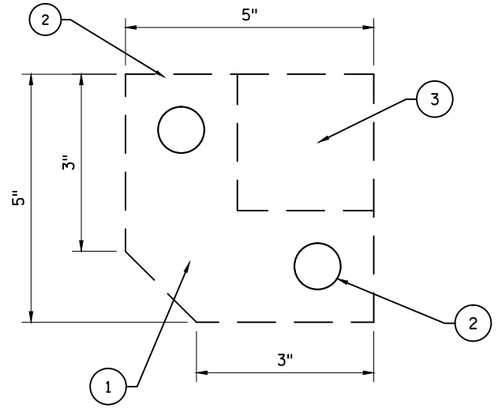
FILE NAME : N:\PDS\C3D\CAD\10000400\ACF_021001_CD.DWG
LAYOUT NAME - ACF_021001_CD - 021006_CD
PLOT DATE : 7/6/2016 1:22 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



(SIDE VIEW)



MANUFACTURER:
HANDI-HUT INC.
3 GRUNWALD STREET
CLIFTON, NJ 07013
1-800-603-6635



EXISTING ANCHOR FLANGE TO BE RE-USED.
DIMENSIONS SHOWN ARE APPROXIMATE.

(TOP VIEW)

LEGEND

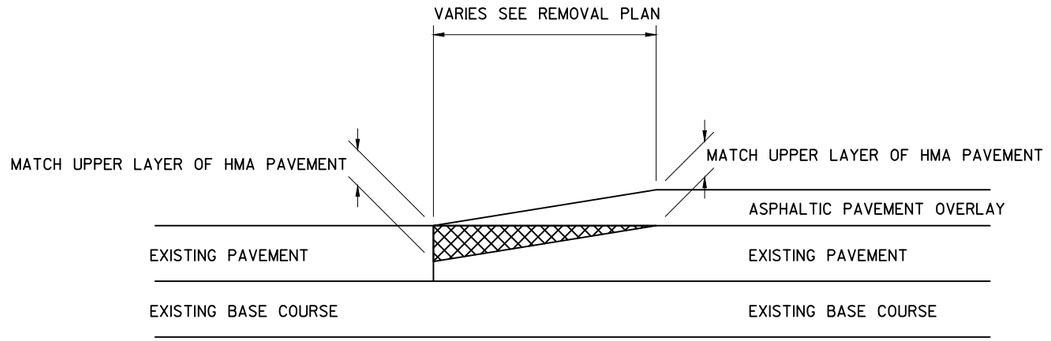
1. EXISTING BUS SHELTER ANCHOR FLANGE
2. NEW HANDI-HUT ANCHOR BOLT, STAINLESS STEEL (EXPANSION BOLT)
3. EXISTING BUS SHELTER SUPPORT
4. CURB RAMP
5. FLANGE-TO-SUPPORT FASTENER (LEVELING/ADJUSTMENT OF SHELTER MAY REQUIRE REMOVAL & REPLACEMENT)

NOTES:

- RE-USE OF EXISTING ANCHOR FLANGES AND RE-INSTALLATION OF SALVAGED BUS SHELTER SHALL BE IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.
- TRASH CANS TO BE REMOVED, STORED TEMPORARILY, AND RE-INSTALLED, INCIDENTAL TO "SALVAGING BUS SHELTER" ITEM.
- CONFIGURATION/MEASUREMENTS OF BUS SHELTER SUPPORTS/FLANGES MAY VARY FROM DIAGRAM. MATCH EXISTING BOLT PATTERN IN THE FIELD.

SALVAGING BUS SHELTER

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	CONSTRUCTION DETAIL - LOT #45-20 & #45-60	SHEET 83	E



REMOVING ASPHALT SURFACE BUTT JOINTS

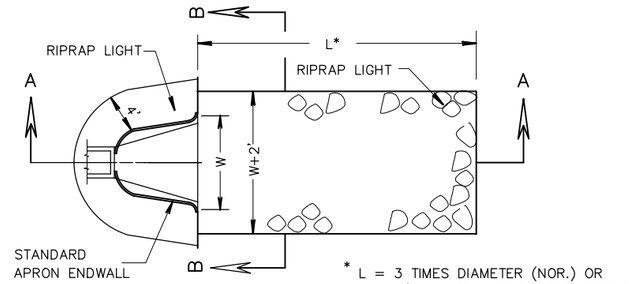
BUTT JOINT DETAIL

SEE REMOVAL PLAN FOR LOCATIONS

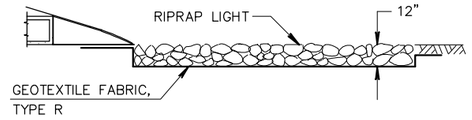
RESURFACING LOTS
LOT #45-20
LOT #45-60

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	CONSTRUCTION DETAIL - LOT #45-20 & #45-60	SHEET 84	E

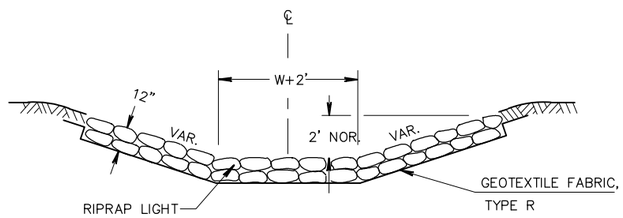
2



* L = 3 TIMES DIAMETER (NOR.) OR 10' MIN. OR AS DIRECTED BY THE ENGINEER



SECTION A-A



SECTION B-B

SOD, RIPRAP AND GEOTEXTILE FABRIC DETAIL AT APRON ENDWALLS

LOT #45-20 (IH-43 & CTH C)
LOT #67-35 (IH-94 & BARKER RD)

2

2

N

24'

SAWING ASPHALT

33+00

32+00

CP1

IH-43 NB ON-RAMP

R/W

UNION PACIFIC RAILROAD

SALVAGING BUS SHELTER
(SEE CONSTRUCTION DETAIL)

REMOVING
CONCRETE BASES

SAWING ASPHALT

31+00

REMOVING 2-POST
BIKE RACK

PI: 30+84.60

REMOVING DISCONTINUED
PAYPHONE POLE

SALVAGING
BICYCLE LOCKER

113'

REMOVING FENCE

POSTS TO REMAIN

EXISTING CULVERT PIPE CORRUGATED
STEEL 18-INCH TO REMAIN

50'

CTH C/PIONEER RD.

C/L CTH C

SAWING ASPHALT

BP: 30+00.00

30+00

SAWING ASPHALT

LEGEND

- PULVERIZE AND RELAY
- POTENTIAL EBS AREA
- APPROX. EXTENT OF CONTAMINATED SOIL
- REMOVING ASPHALTIC SURFACE BUTT JOINT (SEE DETAIL)
- REMOVING CONCRETE SIDEWALK
- REMOVING CONCRETE CURB & GUTTER

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	REMOVAL PLAN - LOT #45-20 (IH-43 & CTH C)	SHEET 86	E

2

33+90.20, -189.83' L

2"

ASPHALT BUTT JOINT

33+80.14, 15.90' R

N

SI

BASE AGGREGATE DENSE ¾-INCH

33+00

SI

C/L CTH C

HMA PAVEMENT

BASE AGGREGATE DENSE ¾-INCH

3'

CP1

VARIES 6.5' TO 9'

Varies 2'-18'

3'

SAWING ASPHALT

3:1 MIN.

EXISTING PAVEMENT TO REMAIN

EXISTING BASE TO REMAIN

5" HMA PAVEMENT

10" BASE AGGREGATE DENSE 1¼-INCH

SECTION A-A
CTH C LEFT

32+00

31+71.25, -93.60' L

R

R75'

IH-43 NB ON-RAMP

BP: 100+00.00

SEE BUS STOP AREA CONSTRUCTION DETAIL

3'

EP: 101+81.07

R/W

UNION PACIFIC RAILROAD

31+06.80, -106.89' L

31+03.48, -39.06' L

DITCH GRADING

WETLAND BOUNDARY (TYP.)

BUS PAD ALIGNMENT

101+00

31+00

D

CONCRETE SURFACE DRAIN

EXISTING CULVERT PIPE CORRUGATED STEEL 18-INCH TO REMAIN

EP: 30+84.60

RIPRAP LIGHT

R25'

SI

EXTEND 18" CMCP, 6' & APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH

30+69.91, -52.42' L

30+66.38, 39.86' L

2'

30+42.11, 39.80' R

RIPRAP LIGHT

R43'

A

3'

9'

R25'

A

A

0+62.39, -18.48' L

1+53.07, -17.51' L

2+10.21, -15.91' L

2+40.95, -14.58' L

2'

0+00

C/L CTH C

1+00

BP: 30+00.00

2+00

2+00

2+74

LEGEND

- CONCRETE SIDEWALK 5"
- (A) CONCRETE CURB & GUTTER 30-INCH TYPE D
- (B) CONCRETE CURB & GUTTER 18-INCH TYPE D
- (C) CONCRETE DRIVEWAY 8-INCH
- (D) CONCRETE PAVEMENT 8-INCH
- REMOVING ASPHALTIC SURFACE BUTT JOINT

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	PLAN DETAIL - LOT #45-20 (IH-43 & CTH C)	SHEET 87	E

2

N

BUTT JOINT
TO MATCH

680

682

33+00

32+00

IH-43 NB ON-RAMP

680

680

689

31+00

UNION PACIFIC RAILROAD

PI: 30+84.60

680

678

678

680

682

BUTT JOINT
TO MATCH

680

682

CTH C/PIONEER RD.

*CONTOURS PROVIDED FOR INFORMATIONAL PURPOSES.
CONTRACTOR RESPONSIBLE FOR POSITIVE DRAINAGE.

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	PROPOSED CONTOURS - LOT #45-20 (IH-43 & CTH C)	SHEET 88	E

2

N

IH-43 NB ON-RAMP

SI

SILT FENCE

CP1

WETLAND BOUNDARY (TYP.)

ROCK BAGS

SILT FENCE

ROCK BAGS

TOPSOIL, SEEDING, FERTILIZER, AND EROSION MAT

SI

SILT FENCE

PI: 30+84.60

33+00

32+00

31+00

30+00

SI

TEMPORARY DITCH CHECK

SI

TEMPORARY DITCH CHECK

R/W

TOPSOIL, SEEDING, FERTILIZER, AND EROSION MAT

SILT FENCE

CULVERT PIPE CHECK

SILT FENCE

UNION PACIFIC RAILROAD

CTH C/PIONEER RD.

BP: 30+00.00

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	EROSION CONTROL - LOT #45-20 (IH-43 & CTH C)	SHEET 89	E

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

802
RIDESHARE INFO
www.rideshare.wi.gov
1-800-455-POOL
D12-2A (MOD)

803
RIDESHARE INFO CALL
1-800-455-POOL
REMOVE

N

MOTORCYCLE PARKING ONLY
810

801
DO NOT BLOCK DRIVE
BLACK/WHITE 3" CAPS SERIAL B

DO NOT BLOCK DRIVE
REMOVE

805 806 807
R7-8-A (2S)

808 809
R7-8-A (2S)

808A 809A
R7-8-V (2S)

143
MCTS
ESTR
OWNED BY MCTS
ON LIGHT POLE
CONTACT MCTS TO
REMOVE AND REINSTALL

Park & Ride
LOT 17
1100 PIONEER RD GRAFTON
ESTR
OWNED BY OTHERS

STOP
REMOVE

STOP
R1-1 (2S)
804

1100 PIONEER RD
GRAFTON WI
ESTR
OWNED BY OTHERS
ON BUS SHELTER

30+00 31+00 32+00 33+00 34+00

PER 3.08 OF THE OZAUKEE COUNTY CODE ORDINANCES:

- NO SALES AND SOLICITATION
- NO PARKING IN EXCESS OF 72 HOURS
- NOR PARKING OF DETACHED TRAILORS

VEHICLES MUST PARK IN DESIGNATED PARKING STALLS PURSUANT TO WIS. STAT. 346.55(4)

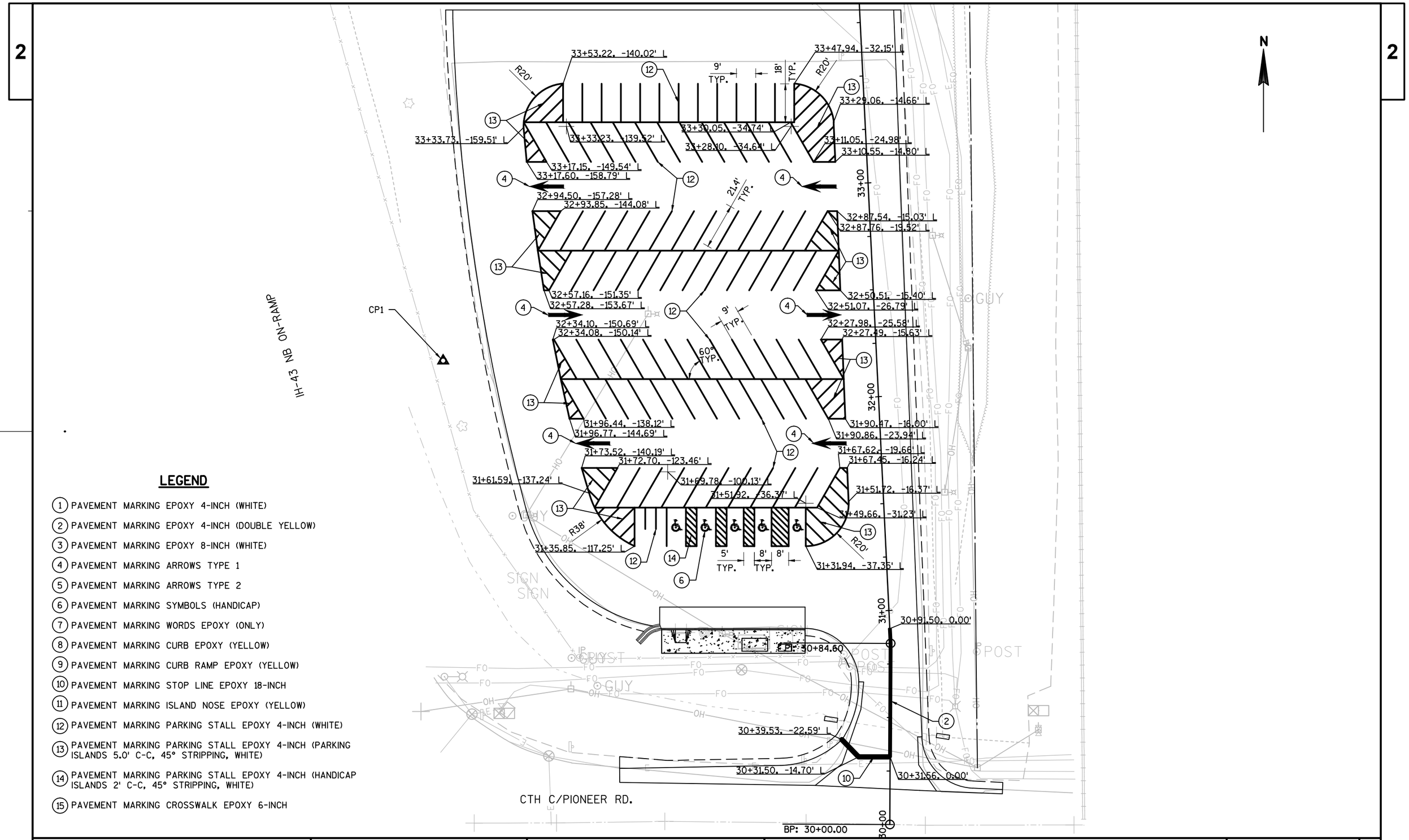
OWNED BY OZAUKEE COUNTY
CONTACT OZAUKEE COUNTY
TO REMOVE AND REINSTALL

FOR INFORMATION ABOUT OZAUKEE CO TRANSIT SERVICES CALL 262-233-8108

OWNED BY OZAUKEE COUNTY
CONTACT OZAUKEE COUNTY
TO REMOVE AND REINSTALL

SHEET 12 OF 15

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	PERMANENT SIGNING - LOT #45-20 (IH-43 & CTH C)	SHEET 90	E



LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
2. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
3. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
4. PAVEMENT MARKING ARROWS TYPE 1
5. PAVEMENT MARKING ARROWS TYPE 2
6. PAVEMENT MARKING SYMBOLS (HANDICAP)
7. PAVEMENT MARKING WORDS EPOXY (ONLY)
8. PAVEMENT MARKING CURB EPOXY (YELLOW)
9. PAVEMENT MARKING CURB RAMP EPOXY (YELLOW)
10. PAVEMENT MARKING STOP LINE EPOXY 18-INCH
11. PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
12. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (WHITE)
13. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (PARKING ISLANDS 5.0' C-C, 45° STRIPPING, WHITE)
14. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (HANDICAP ISLANDS 2' C-C, 45° STRIPPING, WHITE)
15. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	PAVEMENT MARKING - LOT #45-20 (IH-43 & CTH C)	SHEET 91	E



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	TRAFFIC CONTROL - LOT #45-20 (IH-43 & CTH C)	SHEET 92	E

2

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

IH-43 SB

IH-43 NB

CTH C/PIONEER RD.

ROAD WORK AHEAD
W20-1-A

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1-A

ROAD NARROWS
W05-1
48"X48"

100'

300'

ROAD WORK AHEAD
W20-1-A

END ROAD WORK
G20-2A
48"X24"

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	TRAFFIC CONTROL - LOT #45-20 (IH-43 & CTH C)	SHEET 93	E

2

N

Park & Ride
EXIT 89
D4-3
144"X90"
COVER

IH-43

PARK & RIDE
D4-2-L
36"X48"
COVER

CTH C/PIONEER RD.

PARK & RIDE
D4-2-R
36"X48"
COVER

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

Park & Ride
EXIT 89
D4-3
144"X90"
COVER

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	TRAFFIC CONTROL - LOT #45-20 (IH-43 & CTH C)	SHEET 94	E

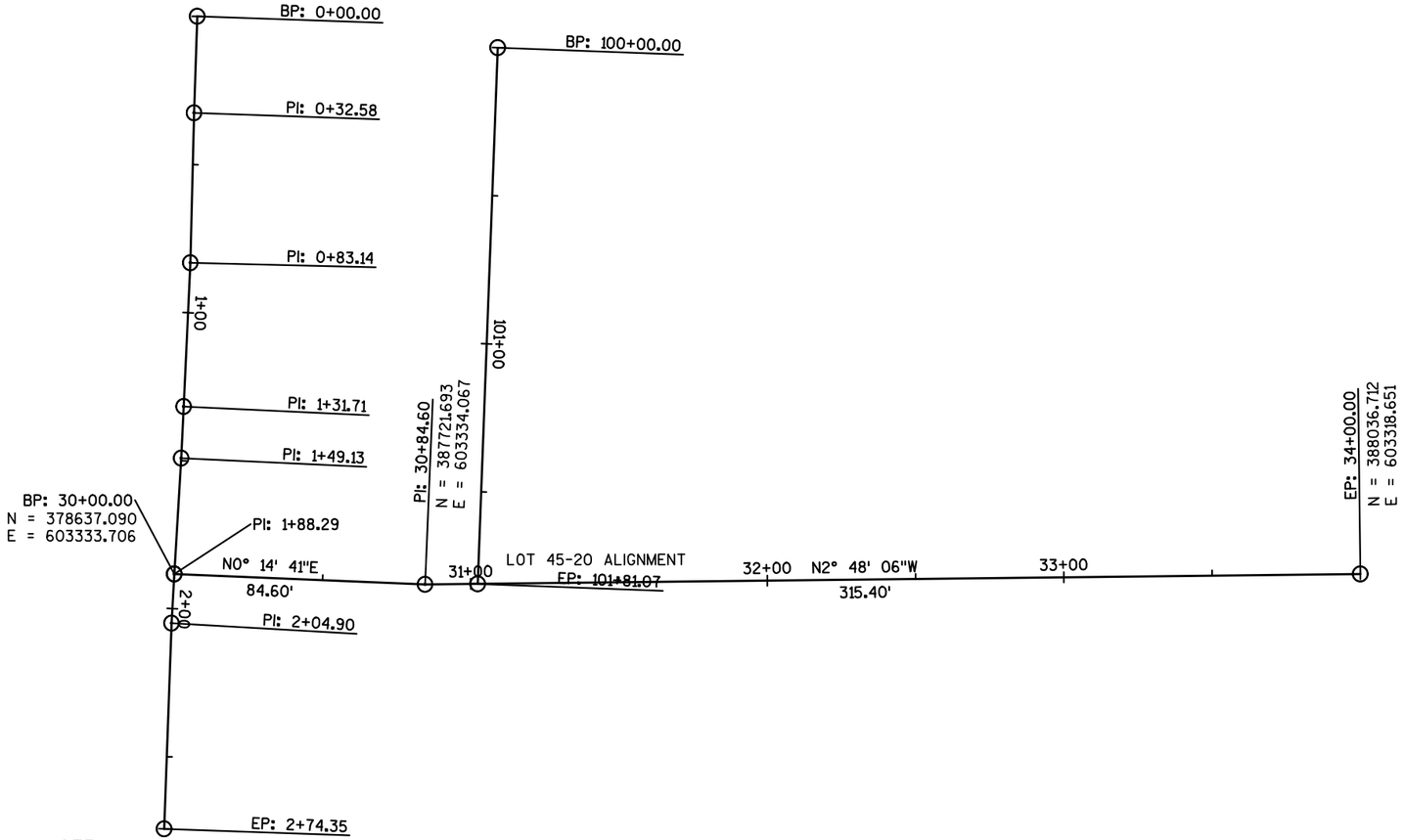
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2

N

N = 387853.747
E = 603124.993
ELEV. = 678.16
DES. = 39IN FENO MONUMENT WITH ALUMINUM CAP

CP1



NOTE:
WCCS OZAUKEE COUNTY
NAD 83 (2007)
NAVD 88 (2007)

N = 388300.372
E = 603346.928
ELEV. = 680.78
DES. = 39IN FENO MONUMENT WITH ALUMINUM CAP

CP2

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	ALIGNMENT LAYOUT - LOT #45-20 (IH-43 & CTH C)	SHEET 95	E

2

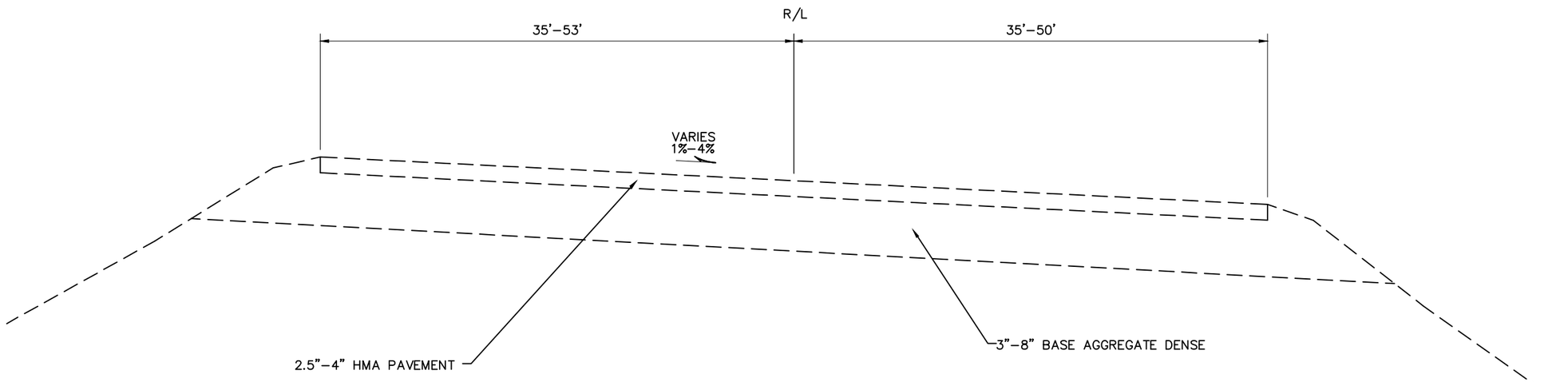
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LOT 45-60 - STH 32 & CTH LL

EXISTING TYPICAL SECTIONS
FINISHED TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLAN
PLAN DETAIL
CONTOUR PLAN
EROSION CONTROL
STORM SEWER
SIGNING PLAN
PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT LAYOUT

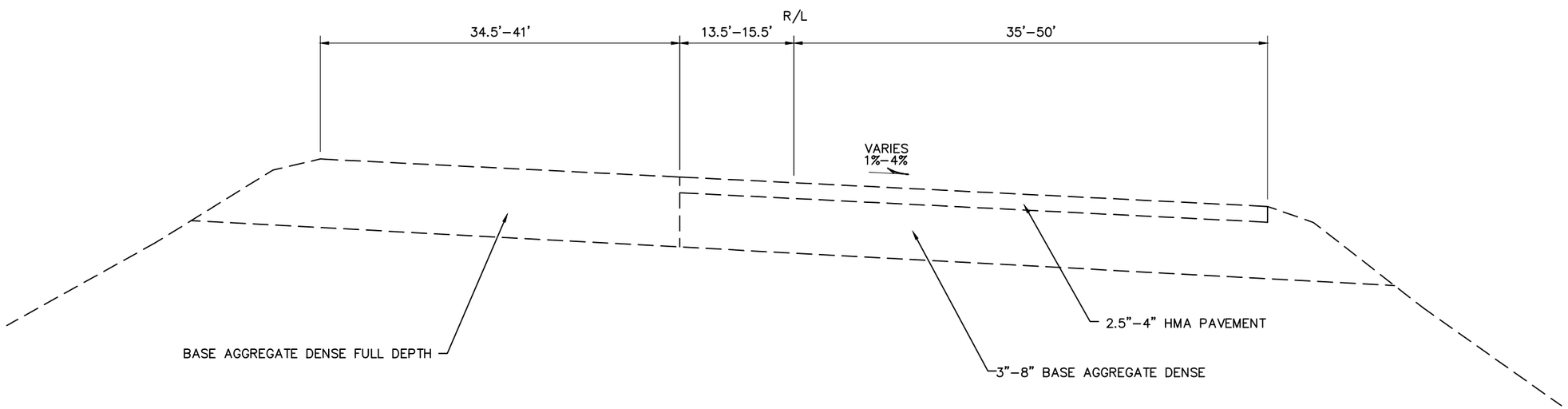
PROJECT NO: 1000-04-70	HWY: NON-HWY – VARIOUS P & R	COUNTY: SE REGION - WIDE	LOT 45-60	SHEET: 96	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1



EXISTING TYPICAL SECTION

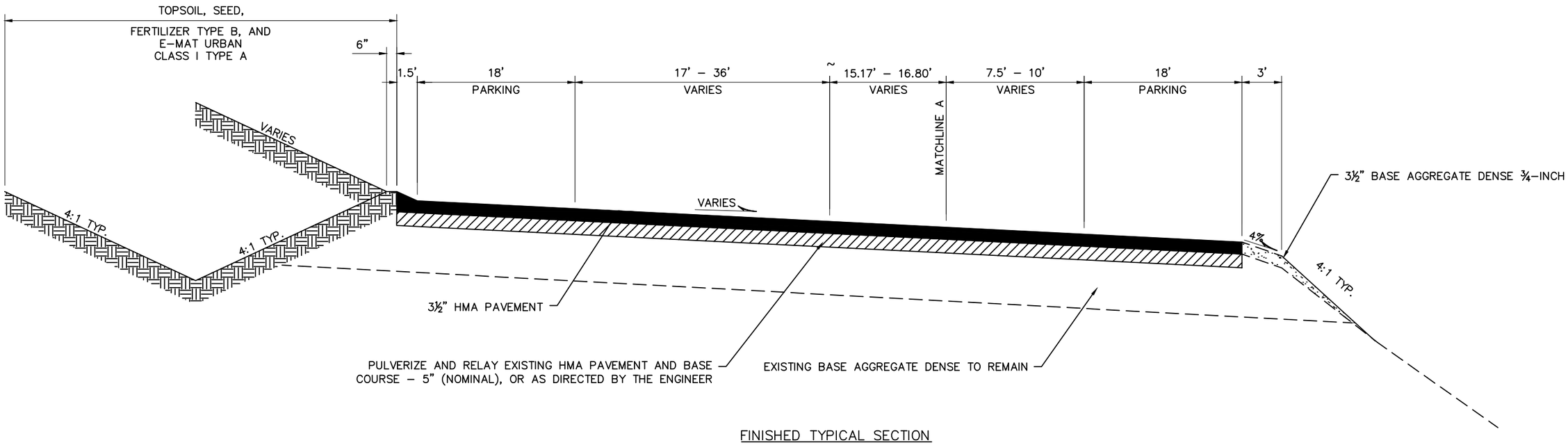
LOT #45–60 R/L
STA. 30+28 – STA. 33+25
STA. 34+03 – STA. 35+46



EXISTING TYPICAL SECTION

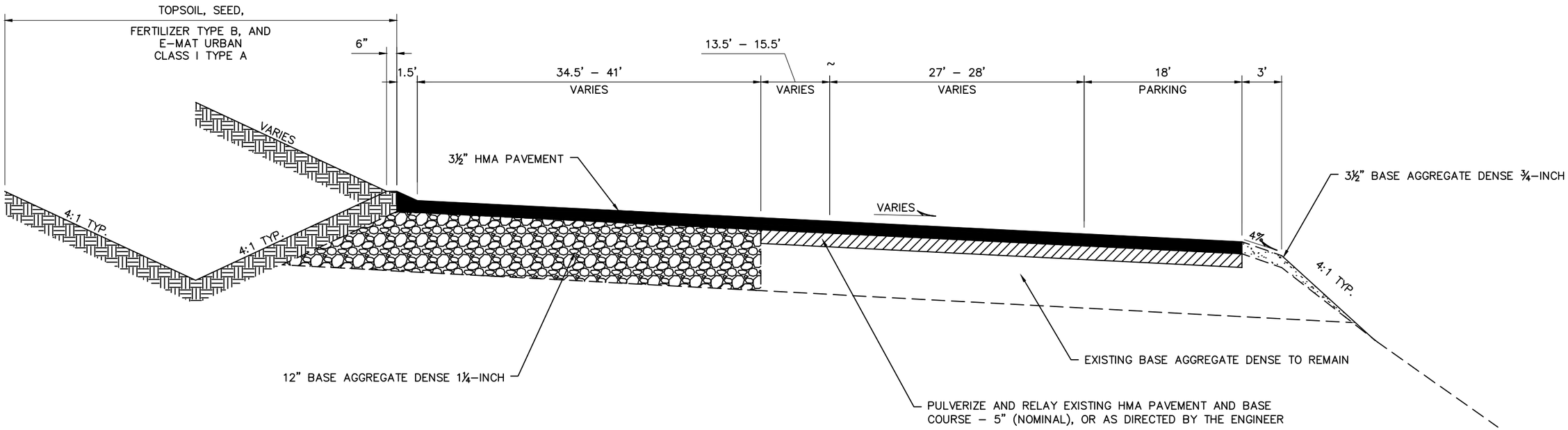
LOT #45–60 R/L
STA. 33+25 – STA. 34+03

PROJECT NO:1000–04–70	HWY:NON–HIGHWAY	COUNTY:OZAUKEE	TYPICAL SECTION – LOT #45–60 (STH 32 & CTH LL)	SHEET 97 E



FINISHED TYPICAL SECTION

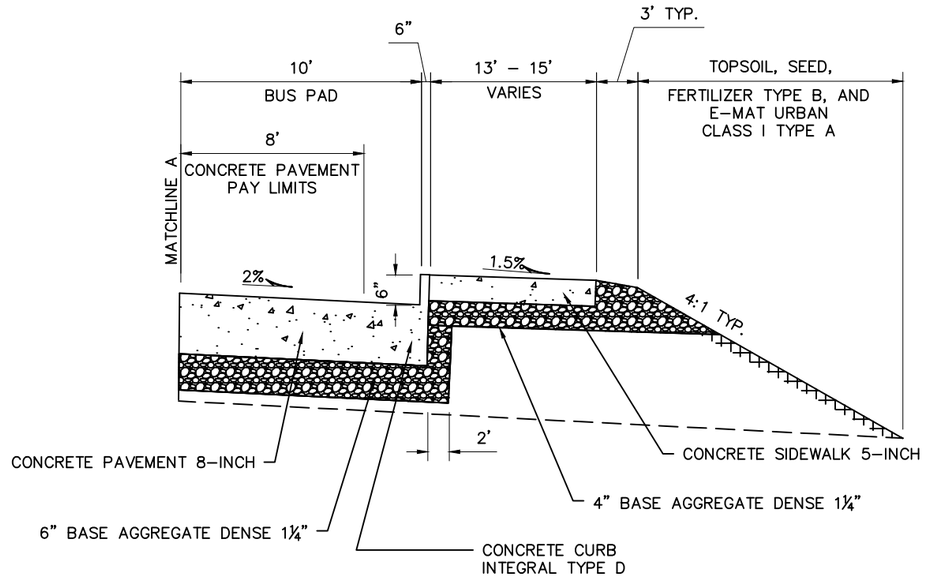
LOT #45–60 ~
STA. 30+28 – STA. 33+25
STA. 34+03 – STA. 35+46



FINISHED TYPICAL SECTION

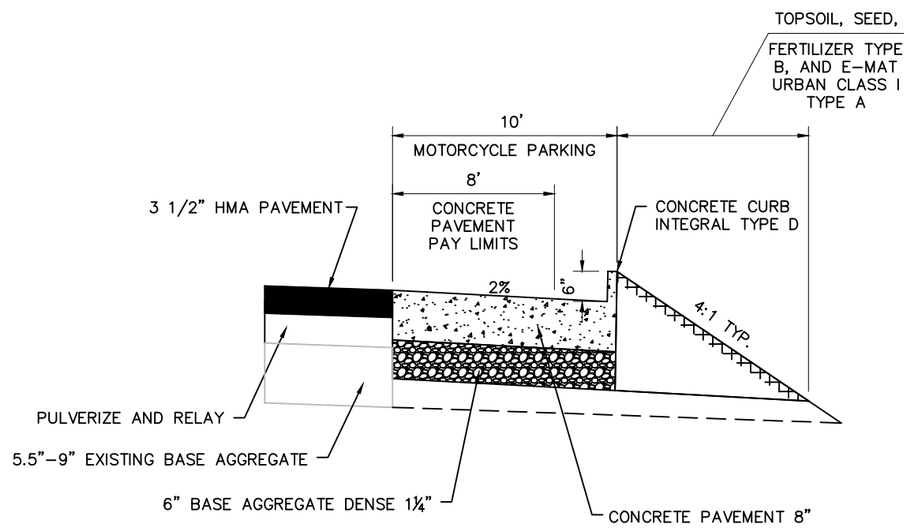
LOT #45–60 ~
STA. 33+25 – STA. 34+03

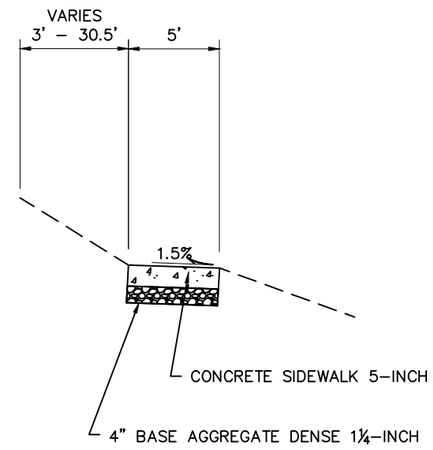
PROJECT NO:1000–04–70	HWY:NON–HIGHWAY	COUNTY:OZAUKEE	TYPICAL SECTION – LOT #45–60 (STH 32 & CTH LL)	SHEET 98 E



FINISHED TYPICAL SECTION

MATCHLINE A
STA. 32+60 – STA. 33+28

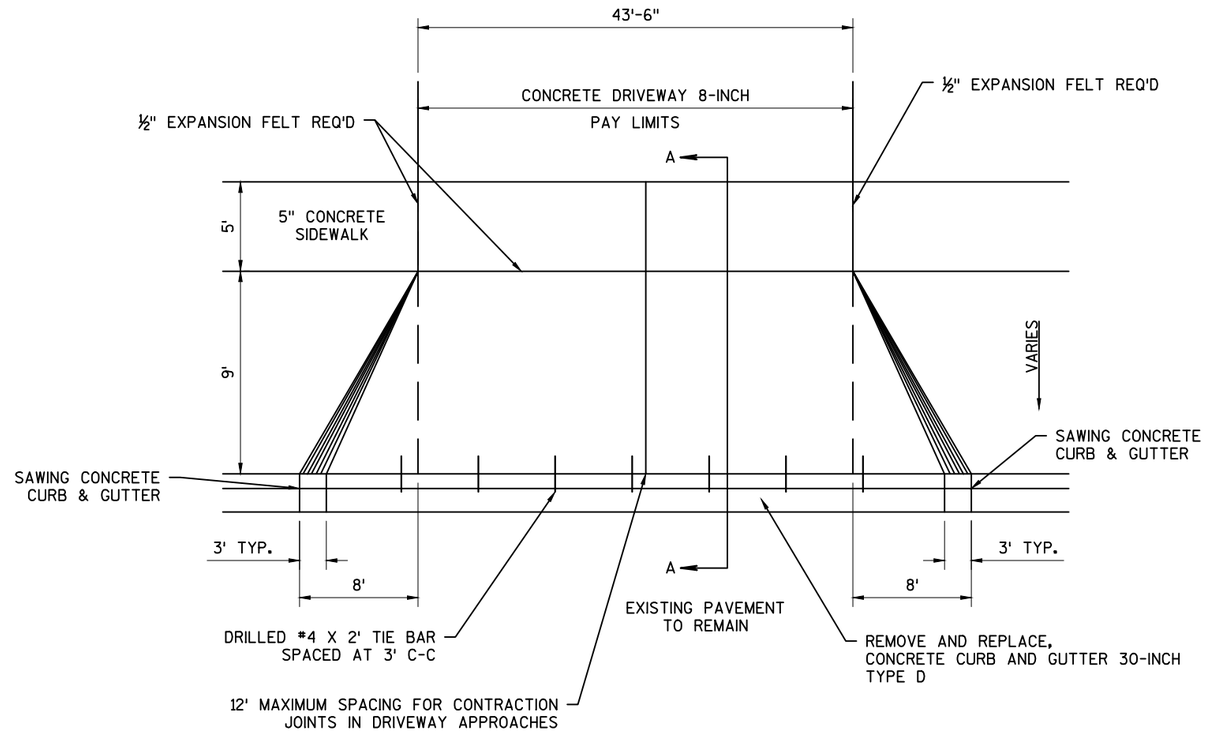




FINISHED TYPICAL SECTION

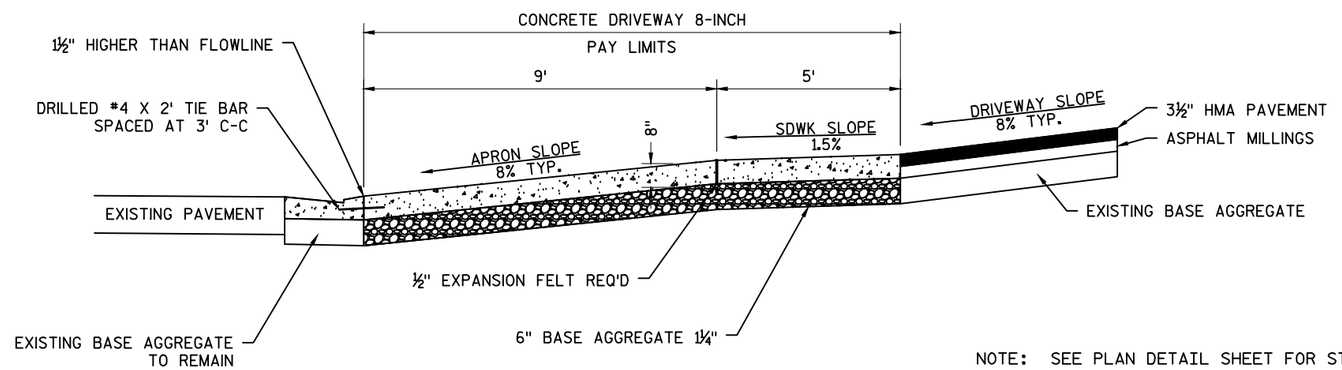
STA. 30+45 – STA. 34+80

PROJECT NO:1000–04–70	HWY:NON–HIGHWAY	COUNTY:OZAUKEE	TYPICAL SECTION – LOT #45–60 (STH 32 & CTH LL)	SHEET 99 E



DRIVEWAY ENTRANCE

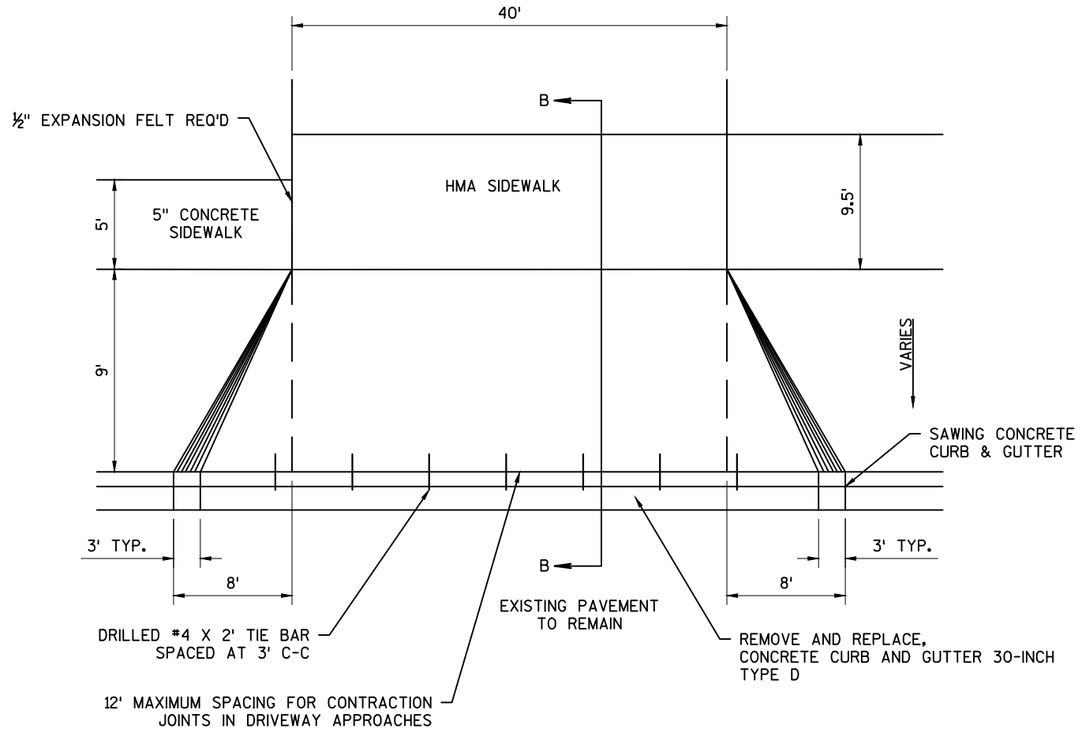
LOT #45-60 (STH 32 & CTH LL)
WEST ENTRANCE



NOTE: SEE PLAN DETAIL SHEET FOR STATION OFFSETS FOR DRIVEWAYS

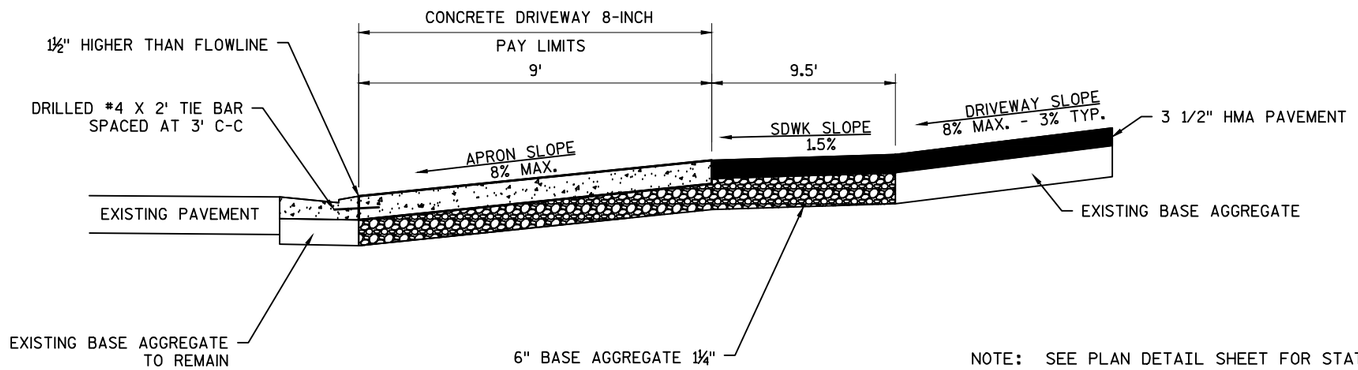
SECTION A-A

2



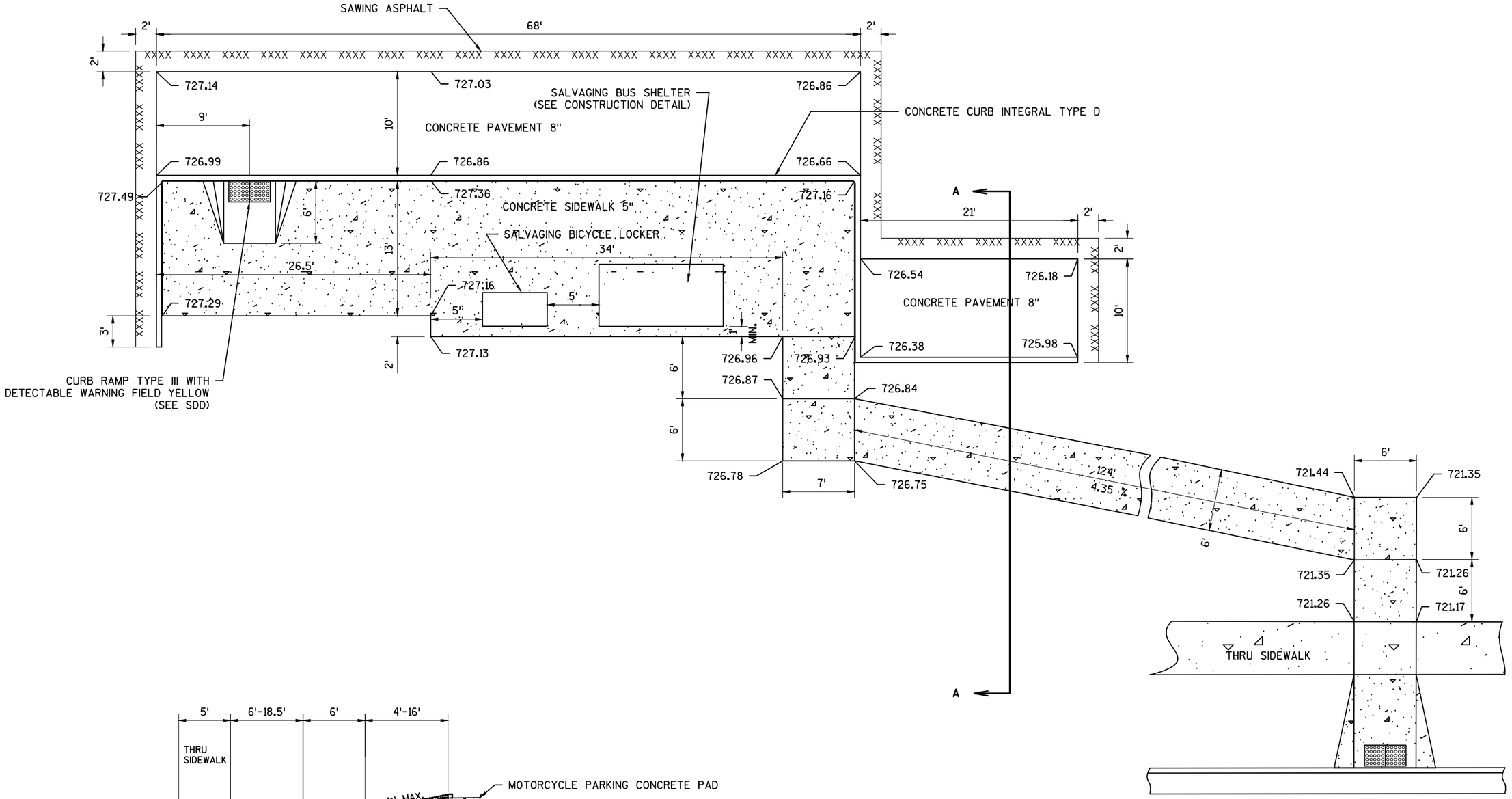
DRIVEWAY ENTRANCE

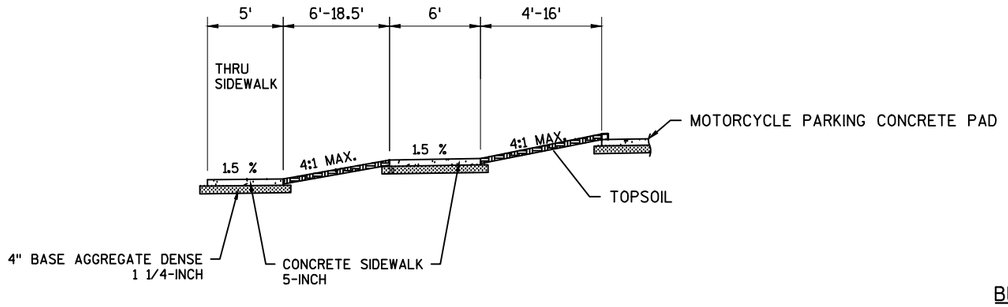
LOT #45-60 (STH 32 & CTH LL)
EAST ENTRANCE



NOTE: SEE PLAN DETAIL SHEET FOR STATION OFFSETS FOR DRIVEWAYS

SECTION B-B





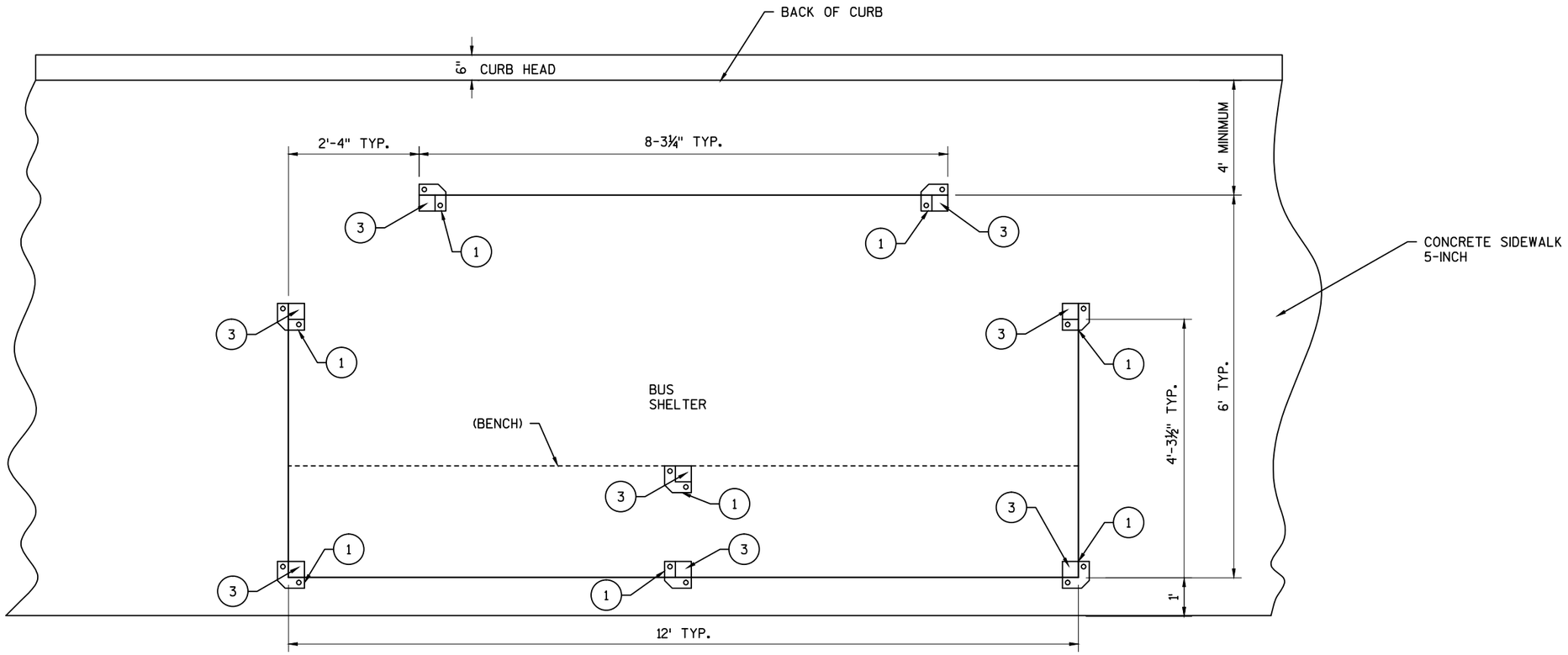
SECTION
A-A

BUS STOP AREA

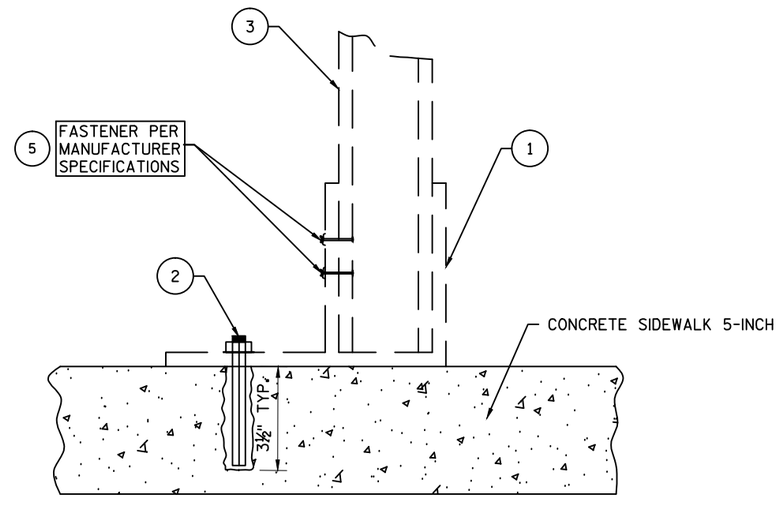
LOT #45-60 (STH 32 & CTH LL)

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	CONSTRUCTION DETAIL - LOT #45-60 (STH 32 & CTH LL)	SHEET 102	E

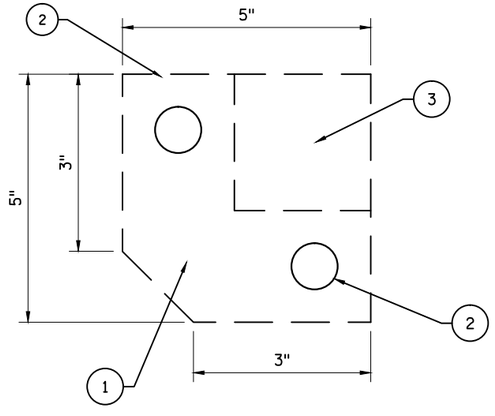
FILE NAME : N:\PDS\C3D\CAD\10000400\ACF_021001_CD.DWG
LAYOUT NAME - ACF_021001_CD - 021007_CD
PLOT DATE : 7/28/2016 4:41 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



(SIDE VIEW)



MANUFACTURER:
HANDI-HUT INC.
3 GRUNWALD STREET
CLIFTON, NJ 07013
1-800-603-6635



EXISTING ANCHOR FLANGE TO BE RE-USED.
DIMENSIONS SHOWN ARE APPROXIMATE.

(TOP VIEW)

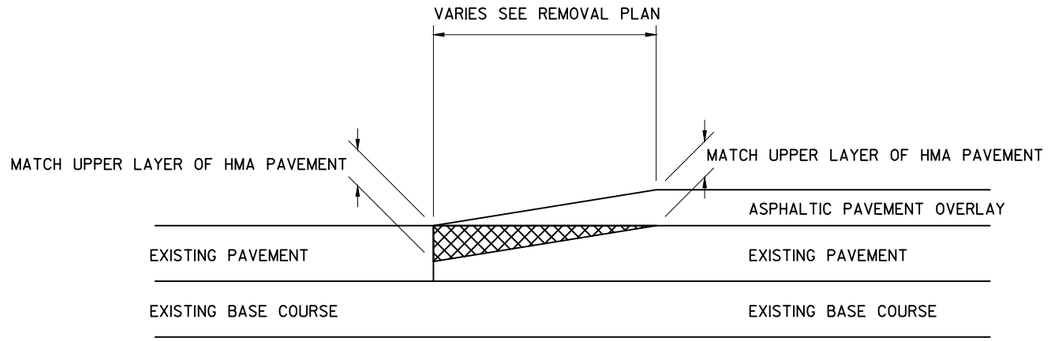
LEGEND

1. EXISTING BUS SHELTER ANCHOR FLANGE
2. NEW HANDI-HUT ANCHOR BOLT, STAINLESS STEEL (EXPANSION BOLT)
3. EXISTING BUS SHELTER SUPPORT
4. CURB RAMP
5. FLANGE-TO-SUPPORT FASTENER (LEVELING/ADJUSTMENT OF SHELTER MAY REQUIRE REMOVAL & REPLACEMENT)

NOTES:

- RE-USE OF EXISTING ANCHOR FLANGES AND RE-INSTALLATION OF SALVAGED BUS SHELTER SHALL BE IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.
- TRASH CANS TO BE REMOVED, STORED TEMPORARILY, AND RE-INSTALLED, INCIDENTAL TO "SALVAGING BUS SHELTER" ITEM.
- CONFIGURATION/MEASUREMENTS OF BUS SHELTER SUPPORTS/FLANGES MAY VARY FROM DIAGRAM. MATCH EXISTING BOLT PATTERN IN THE FIELD.

SALVAGING BUS SHELTER



REMOVING ASPHALT SURFACE BUTT JOINTS

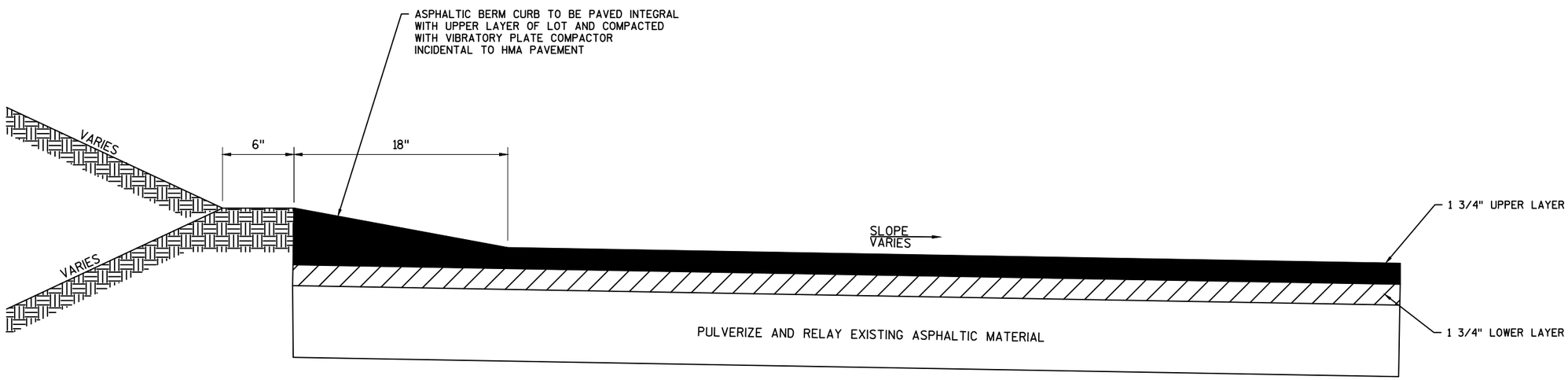
BUTT JOINT DETAIL

SEE REMOVAL PLAN FOR LOCATIONS

RESURFACING LOTS
LOT #45-20
LOT #45-60

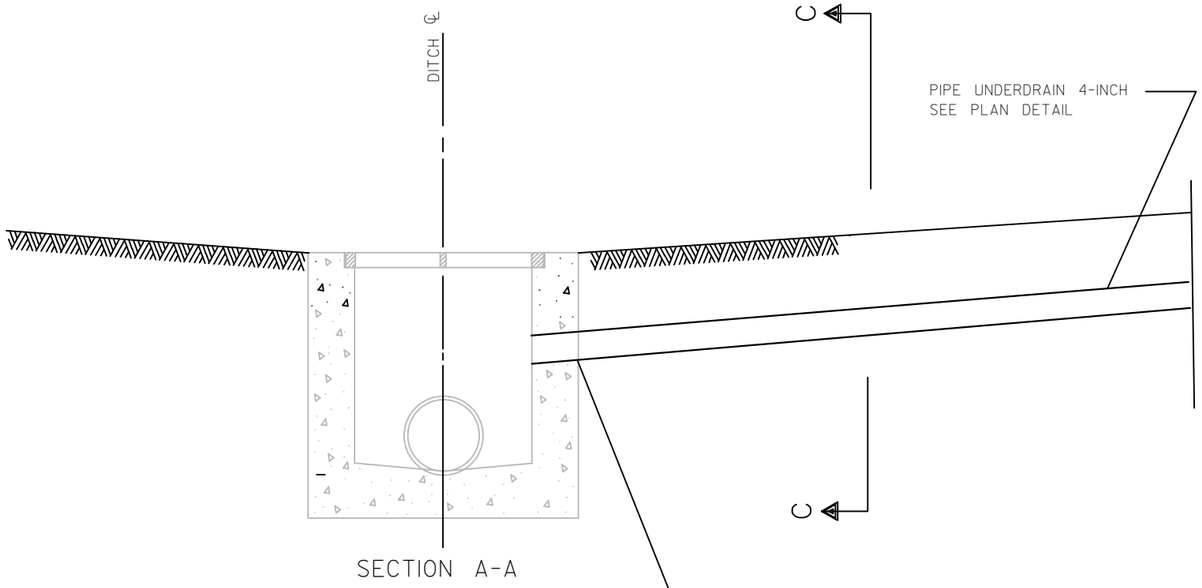
PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	CONSTRUCTION DETAIL - LOT #45-20 & #45-60	SHEET 104	E

2

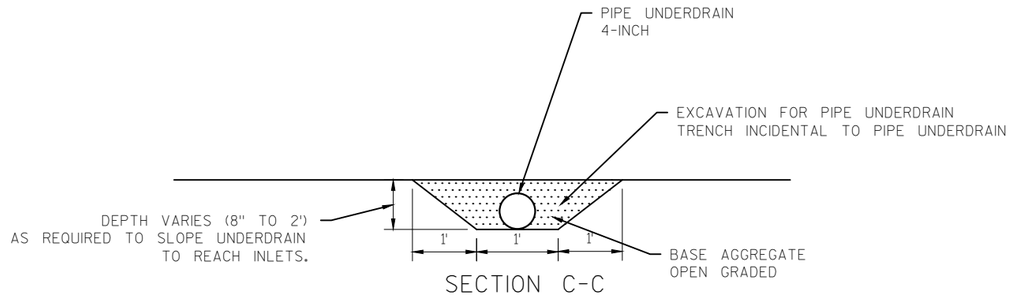


RAISED ASPHALTIC BERM CURB
LOT #45-60 (STH 32 & CTH LL)

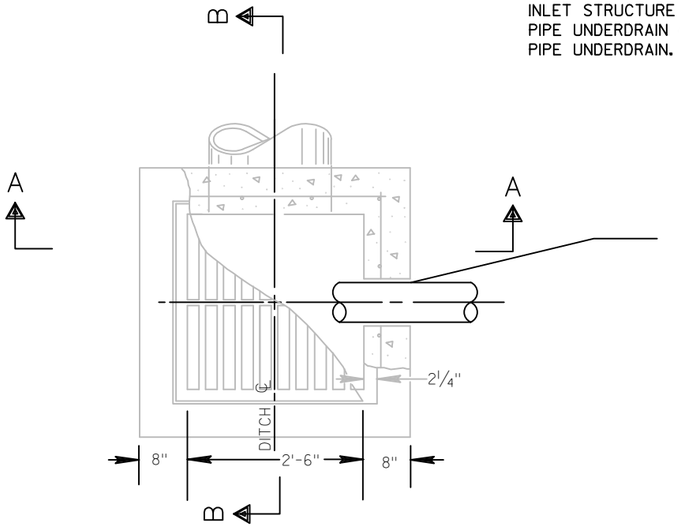
PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	CONSTRUCTION DETAIL - LOT #45-60 (STH 32 & CTH LL)	SHEET 105	E



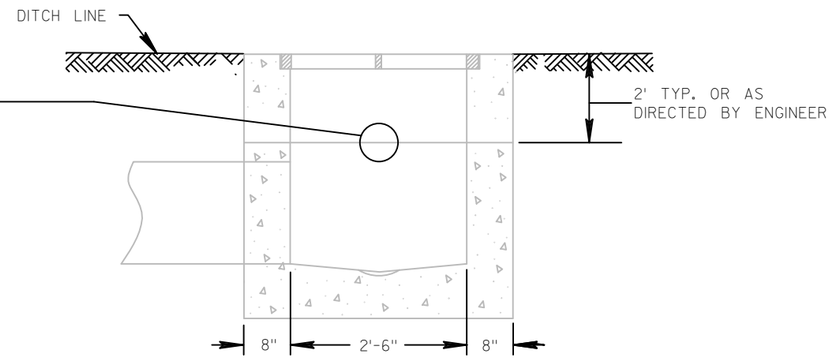
SECTION A-A



SECTION C-C



PLAN VIEW



SECTION B-B

NOTE: LOCATION AND DEPTH OF UNDERDRAIN VARIES AS APPROVED BY ENGINEER TO REACH INLETS OR OUT FALLS. EXISTING UTILITIES TO REMAIN.

CONNECTING PIPE UNDERDRAIN 4-INCH TO EXISTING INLET

(SEE PLAN DETAIL FOR LOCATIONS)
NOT TO SCALE

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAYS	COUNTY: OZAUKEE	CONSTRUCTION DETAIL - LOT #45-60 (STH 32 & CTH LL)	SHEET 106	E

2

IH-43 NB ON-RAMP

58'
REMOVING FENCE

CP6

BP: 30+00.00

EP: 36+05.39

52'

31+00 32+00 33+00 34+00 35+00 36+00

R

SAWING ASPHALT

REMOVING BOLLARD

SAWING ASPHALT

SALVAGING BICYCLE LOCKER

CP5

SAWING CONCRETE

SALVAGING BUS SHELTER
(SEE CONSTRUCTION DETAIL)

SAWING ASPHALT

SAWING ASPHALT

30+35.51, 69.24' RT

110'

31+45.17, 77.44' RT

SAWING ASPHALT

32+22.67, 83.42' RT

73'

32+95.18, 88.63' RT

34+35.09, 92.14' RT

104'

35+39.07, 94.47' RT

CLEARING & GRUBBING

E. SEVEN HILLS RD.

30+44.90, 132.07' RT

14'

30+58.93, 132.38' RT

SAWING CONCRETE

SAWING CONCRETE

SAWING CONCRETE

34+31.82, 139.18' RT

25'

34+56.80, 139.57' RT

LEGEND

- PULVERIZE AND RELAY
- POTENTIAL EBS AREA
- APPROX. EXTENT OF CONTAMINATED SOIL
- REMOVING ASPHALTIC SURFACE BUTT JOINT (SEE DETAIL)
- REMOVING CONCRETE SIDEWALK
- REMOVING CONCRETE CURB & GUTTER

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	REMOVAL PLAN - LOT #45-60 (STH 32 & CTH LL)	SHEET 107	E

FILE NAME : N:\PDS\C3D\CAD\10000400\021154_RM.DWG
LAYOUT NAME - 021154_RM - 021154_RM

PLOT DATE : 7/6/2016 1:39 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

IH-43 NB ON-RAMP

58'
FENCE WOVEN
WIRE 4-FEET

SWALE

APRON ENDWALL FOR UNDERDRAIN
REINFORCED CONCRETE 4-INCH

CP6

34+03.99, -54.42' LT

18" ASPHALTIC BERM CURB
(PAID INCIDENTAL TO HMA)

SI

18" ASPHALTIC BERM CURB
(PAID INCIDENTAL TO HMA)

30+31.05, -34.45' LT

BP: 30+00.00

EP: 36+05.39

PIPE UNDERDRAIN 4"

PULVERIZE AND RELAY
BENEATH NEW HMA PAVEMENT

PIPE UNDERDRAIN 4"

SEE BUS STOP AREA
CONSTRUCTION DETAIL

PREPARE FOUNDATION
FOR ASPHALTIC PAVING

ASPHALT BUTT JOINT

31+00 32+00 33+00 34+00 35+00 36+00

30+80.52, 48.50' RT
10' R

32+59.03, 15.16' RT

PIPE UNDERDRAIN 4"

33+33.07, 16.93' RT

33+47.64, 35.28' RT

EXISTING HMA PAVEMENT TO REMAIN

34+01.44, 46.57' RT

30+25.98, 34.45' RT

CP5

30+89.94, 56.60' RT

6' R
31+44.05, 54.17' RT

32+58.97, 38.73' RT

32+58.79, 46.42' RT

ASPHALTIC FLUME

PIPE UNDERDRAIN 4"

BASE AGGREGATE
DENSE ¾-INCH

34+48.60, 63.77' RT

34+78.88, 76.56' RT

724.45 724.27 724.47 723.88 723.11 722.76 722.26 721.75 721.20 720.97

3" 5" 6"

BASE AGGREGATE DENSE ¾-INCH

33+18.62, 54.01' RT

30+43.35, 57.75' RT

30+35.49, 69.24' RT

ADJUST INLET COVER

31+33.59, 59.92' RT

SI

31+45.18, 77.44' RT

32+22.36, 83.39' RT

32+95.18, 88.63' RT

35+18.85, 77.91' RT

35+39.07, 94.47' RT

34+35.09, 92.14' RT

18" ASPHALTIC BERM CURB
(PAID INCIDENTAL TO HMA)

CURB RAMP TYPE III WITH
DETECTABLE WARNING FIELD
(SEE SDD)

ADJUST INLET COVER

34+50.98, 89.62' RT

E. SEVEN HILLS RD.

34+31.81, 139.18' RT

34+56.82, 139.62' RT

CURB RAMP TYPE III WITH
DETECTABLE WARNING FIELD
(SEE SDD)

720.32
720.40

720.82 720.82

SECTION A-A

LEGEND

- CONCRETE SIDEWALK 5"
- (A) CONCRETE CURB & GUTTER 30-INCH TYPE D
- (B) CONCRETE CURB & GUTTER 18-INCH TYPE D
- (C) CONCRETE DRIVEWAY 8-INCH
- (D) CONCRETE PAVEMENT 8-INCH
- REMOVING ASPHALTIC SURFACE BUTT JOINT

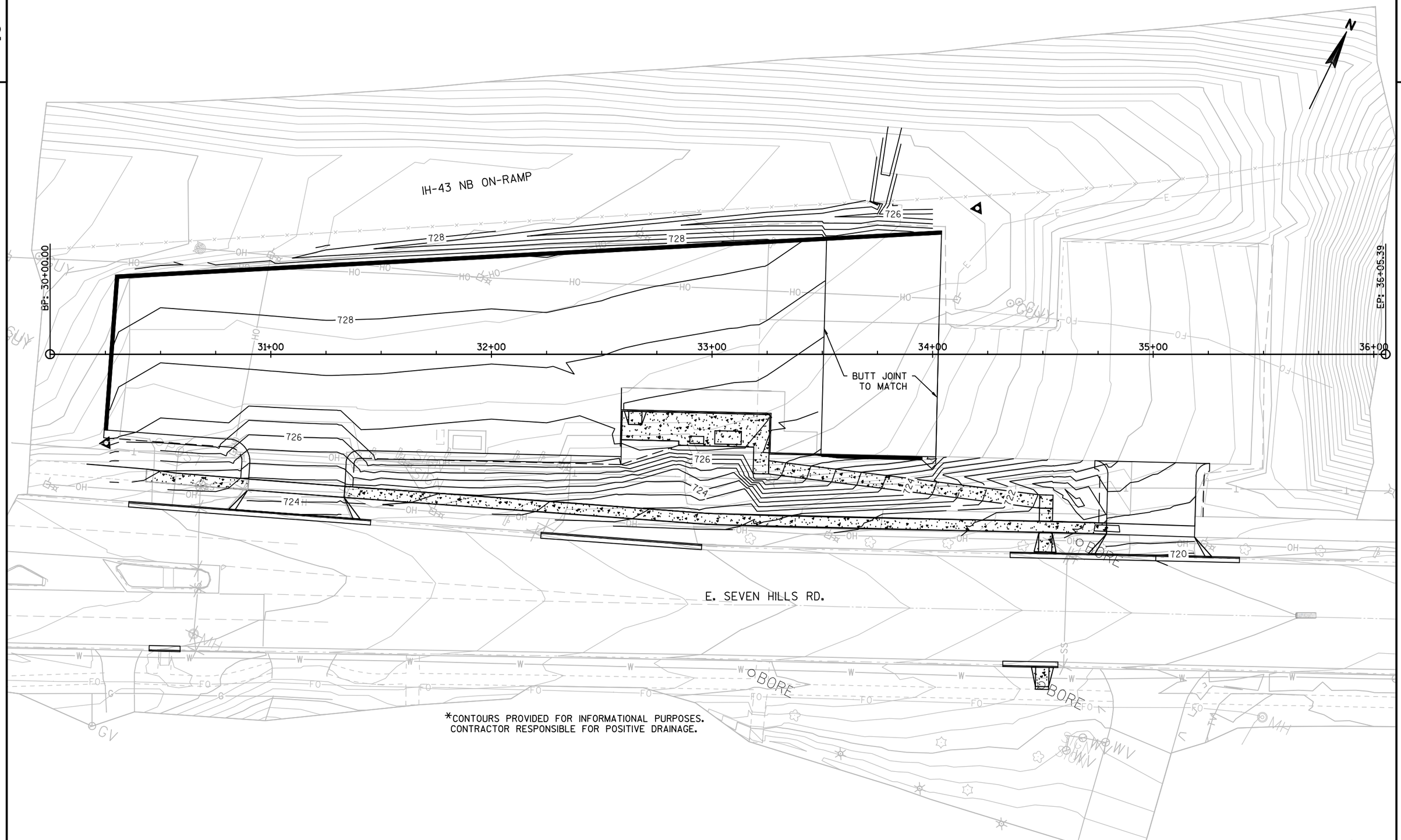
PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	PLAN DETAIL - LOT #45-60 (STH 32 & CTH LL)	SHEET 108	E

FILE NAME : N:\PDS\C3D\CAD\10000400\ACF_021208_PD.DWG
LAYOUT NAME - ACF_021208_PD

PLOT DATE : 7/28/2016 5:12 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	PROPOSED CONTOURS - LOT #45-60 (STH 32 & CTH LL)	SHEET 109	E

2

IH-43 NB ON-RAMP

BP: 30+00.00

EP: 36+05.39

728.49 728.29 728.35 728.41 728.48 728.49 728.47 728.46 728.52 728.44 728.33 728.27 728.20 727.86

728.33 728.08 728.11 728.15 728.19 728.18 728.13 728.09 728.12 728.01 727.88 727.79 727.69 727.34

25' TYP.

31+00 32+00 33+00 34+00 35+00 36+00

727.93 727.58 727.61 727.65 727.69 727.68 727.63 727.59 727.62 727.51 727.38 727.29 727.19 726.85

25' TYP.

727.16 726.86

BUTT JOINT TO MATCH

727.50 727.08 727.11 726.93 727.02 727.18 727.13 727.09 727.12 727.31 726.85 726.85 726.54 726.39 726.18

726.80 726.74 726.69 726.71 726.56

724.45 724.27

722.32 721.29 720.91 720.68

E. SEVEN HILLS RD.

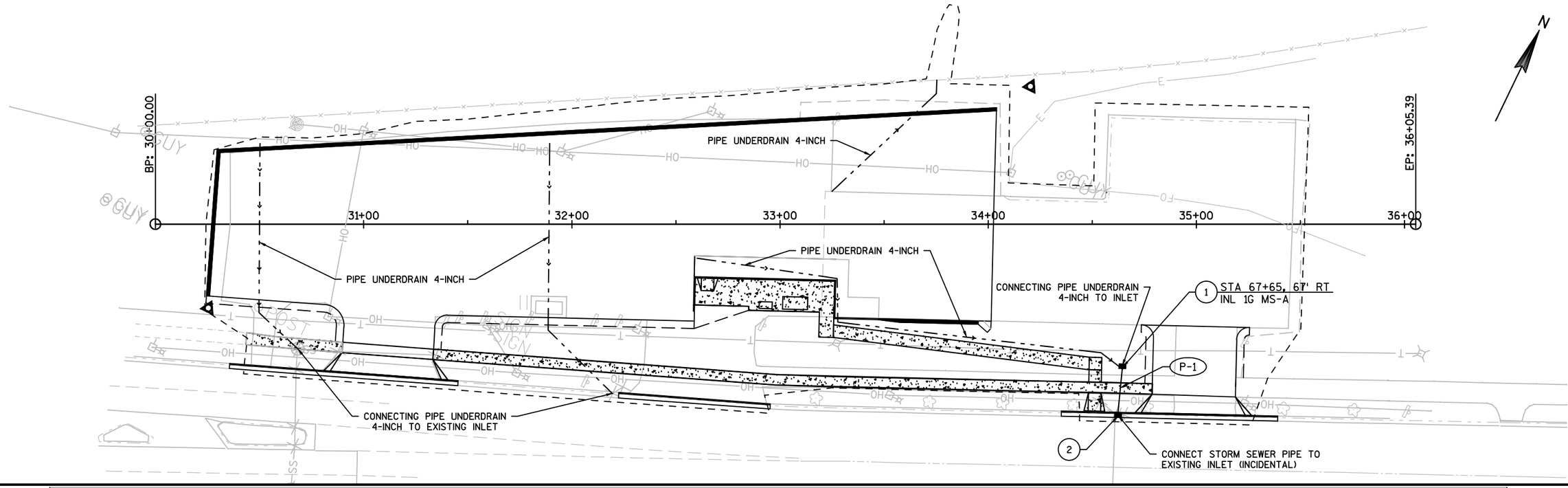
O BORE

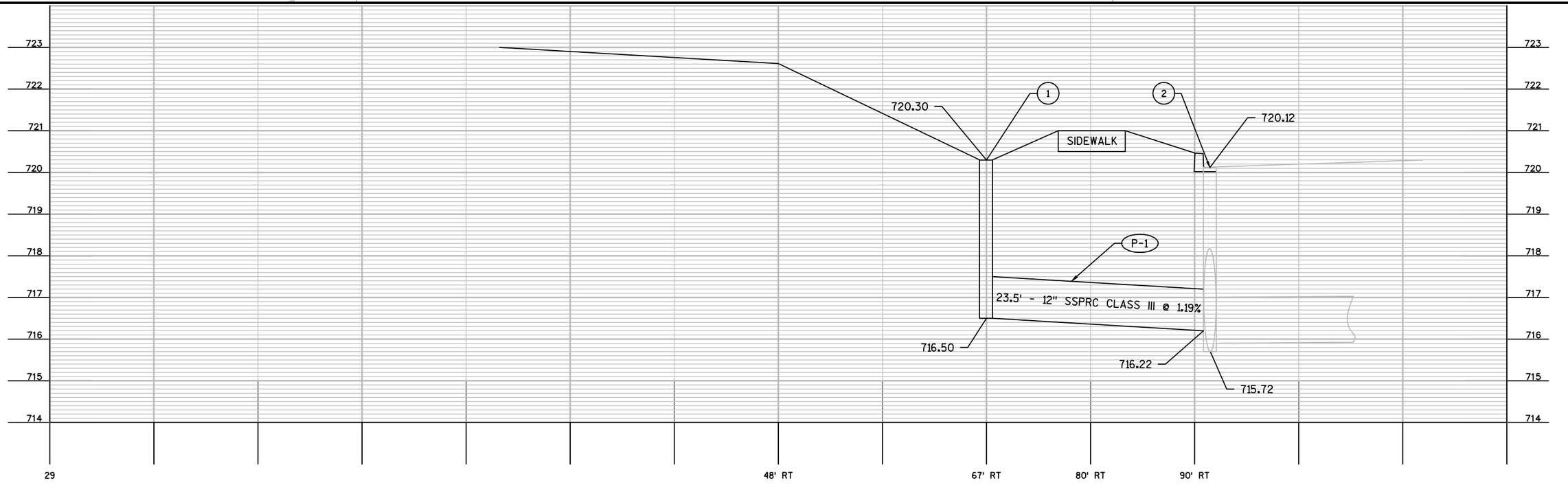
O BORE

O BORE

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	PAVEMENT GRADES - LOT #45-60 (STH 32 & CTH LL)	SHEET 110	E

2





PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	PLAN AND PROFILE: STORM SEWER - LOT #45-60	SHEET 111 E

FILE NAME : N:\PDS\C3D\CAD\10000400\022501_SS.DWG
LAYOUT NAME - 022501_SS
PLOT DATE : 7/28/2016 5:19 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

N

BP: 30+00.00

EP: 36+05.39

31+00 32+00 33+00 34+00 35+00 36+00

℄

IH-43 NB ON-RAMP

SWALE

SILT FENCE

CP6

CP5

TOPSOIL, SEEDING, FERTILIZER, AND EROSION MAT

SI

INLET PROTECTION TYPE C

INLET PROTECTION TYPE B

E. SEVEN HILLS RD.

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

N

1001 STOP R1-1 (2S)

1002 NO SEM PARKING ALLOWED — REMOVE

VEHICLES MUST PARK IN DESIGNATED PARKING STALLS PURSUANT TO WIS STAT 346.55(4) — ESTR OWNED BY OTHERS

1003 NO LOITERING — REMOVE

FOR INFORMATION ABOUT OZAUKEE CO TRANSIT SERVICES CALL 262-284-8108 — EXISTING SIGN OWNED BY OTHERS

1004 1005 1006 RESERVED PARKING THIS SPACE — REMOVE

R7-8A (2S)

1012 1013 1012A 1013A R7-8A (2S) R7-8-V (2S)

1009 RIDESHARE INFO www.rideshare.wi.gov 1-800455POOL D12-2A (MOD)

1010 NO SEM PARKING ALLOWED — ON LIGHT POLE

NO SEM PARKING ALLOWED — REMOVE

1011 STOP R1-1 (2S)

CAR ENTRANCE ONLY

NO SEM PARKING ALLOWED — ESTR

1020 MOTORCYCLE PARKING ONLY

1014 1015 1014A 1015A W11-2 (2S) W16-7L (2S)

1016 — REMOVE

Per 3.08 Of The Ozaukee County Code Ordinances:
- No Sales and solicitation
- No Parking in excess of 72 hours
- No Parking of detatched trailors
- No Parking of trucks in excess of 8,000lbs

OWNED BY COUNTY COUNTY TO REMOVE AND REINSTALL

1007 NO SEM PARKING ALLOWED

VEHICLES MUST PARK IN DESIGNATED PARKING STALLS PURSUANT TO WIS STAT 346.55(4) — OWNED BY COUNTY COUNTY TO REMOVE AND REINSTALL

NO SEM PARKING ALLOWED — REMOVE

1008 NO LOITERING

NO LOITERING — REMOVE

150 SEVEN HILLS RD PORT WASHINGTON WI — ESTR OWNED BY OTHERS GREEN W/WHITE LETTERS ON SIDE OF BUS SHELTER

143 MCTS — ESTR OWNED BY OTHERS

Park & Ride LOT 28 150 SEVEN HILLS RD PORT WASHINGTON WI — ESTR OWNED BY OTHERS

1017 1018 1019 — REMOVE

30+00 31+00 32+00 33+00 34+00 35+00 36+00

SHEET 14 OF 15

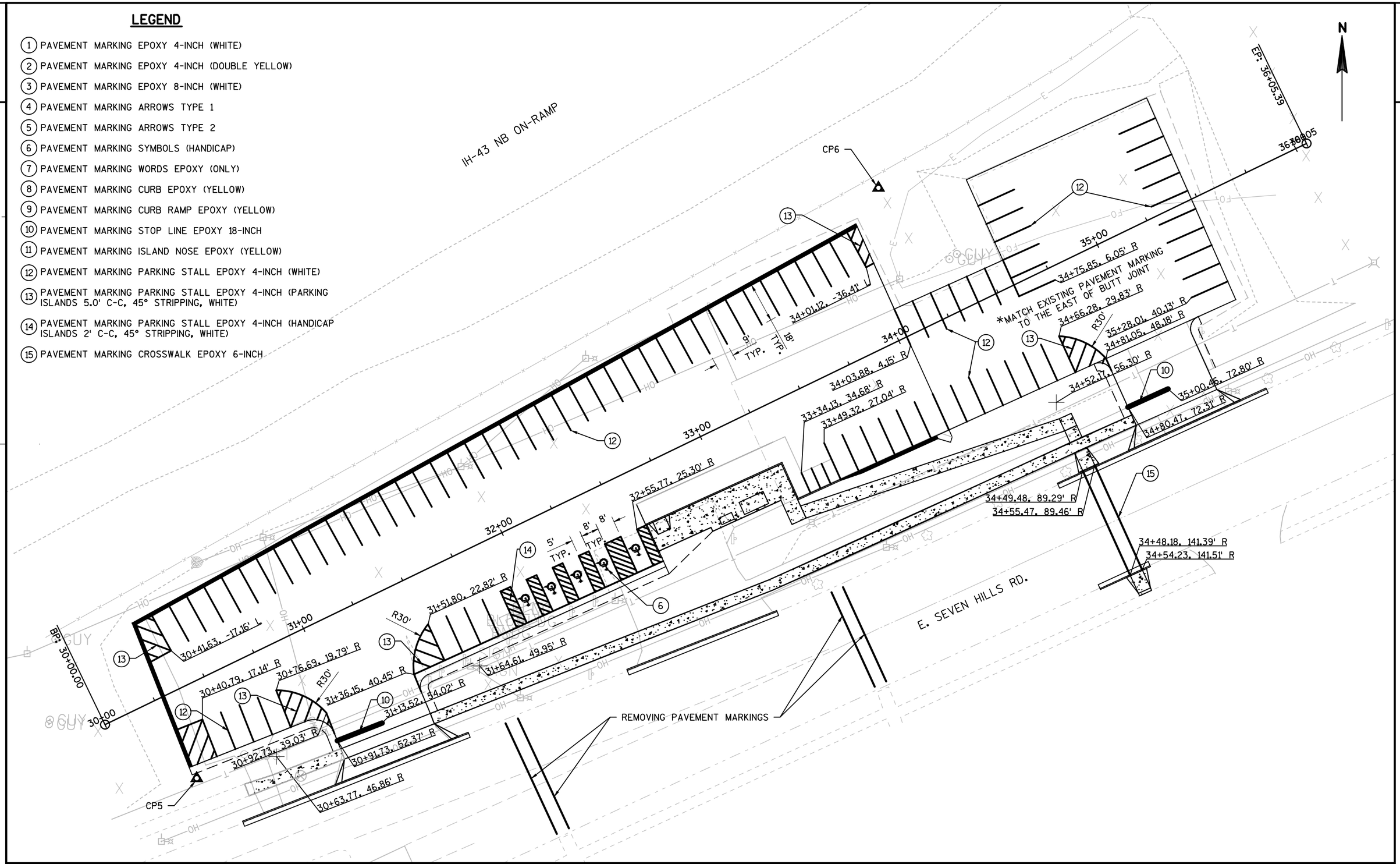
PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	PERMANENT SIGNING - LOT #45-60 (STH 32 & CTH LL)	SHEET 113	E

FILE NAME : N:\PDS\C3D\CAD\10000400\PERMANENT SIGNING\023213_PS.DWG PLOT DATE : 7/28/2016 5:25 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

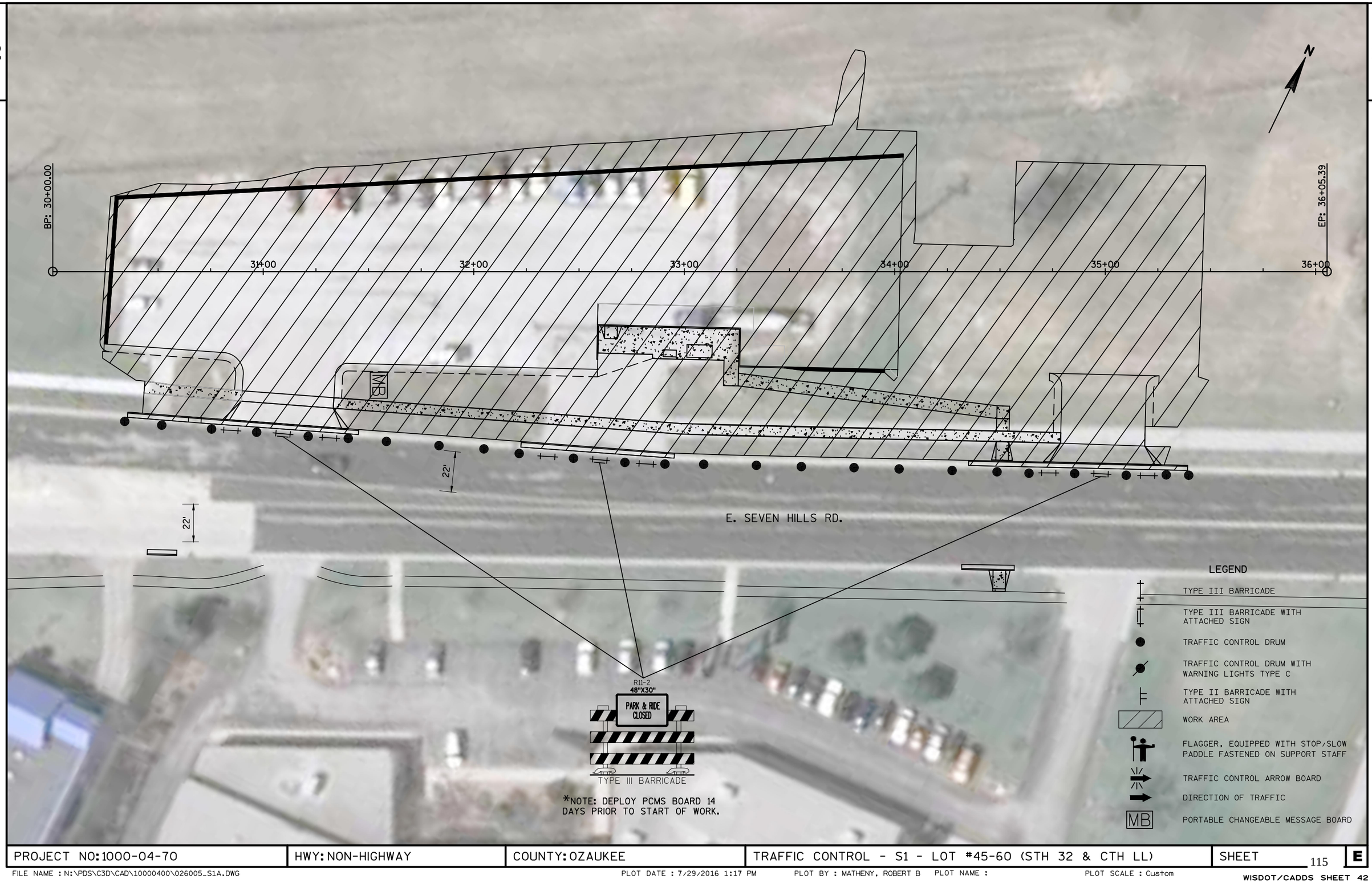
LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
2. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
3. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
4. PAVEMENT MARKING ARROWS TYPE 1
5. PAVEMENT MARKING ARROWS TYPE 2
6. PAVEMENT MARKING SYMBOLS (HANDICAP)
7. PAVEMENT MARKING WORDS EPOXY (ONLY)
8. PAVEMENT MARKING CURB EPOXY (YELLOW)
9. PAVEMENT MARKING CURB RAMP EPOXY (YELLOW)
10. PAVEMENT MARKING STOP LINE EPOXY 18-INCH
11. PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
12. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (WHITE)
13. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (PARKING ISLANDS 5.0' C-C, 45° STRIPPING, WHITE)
14. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (HANDICAP ISLANDS 2' C-C, 45° STRIPPING, WHITE)
15. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	PAVEMENT MARKING - LOT #45-60 (STH 32 & CTH LL)	SHEET 114	E

2



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	TRAFFIC CONTROL - S1 - LOT #45-60 (STH 32 & CTH LL)	SHEET 115	E

2



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	TRAFFIC CONTROL - S1 - LOT #45-60 (STH 32 & CTH LL)	SHEET 116	E

2

2

N

Park & Ride
EXIT 100

D4-4
144"X90"
COVER

CTH H

PARK & RIDE

D4-2-L
36"X48"
COVER

IH-43

E. SEVEN HILLS RD.

PARK & RIDE

D4-2-R
36"X48"
COVER

STH 32

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	TRAFFIC CONTROL - S1 - LOT #45-60 (STH 32 & CTH LL)	SHEET 117	E

2

2

CTH H

IH-43 NB ON RAMP

N

MB

LANE CLOSED
R11-2-L
48"X30"

LANE CLOSED
R11-2-L
48"X30"

12'

E. SEVEN HILLS RD.

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
48"X24"

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
48"X24"

STH 32

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	TRAFFIC CONTROL - S2 - LOT #45-60 (STH 32 & CTH LL)	SHEET 118	E

2

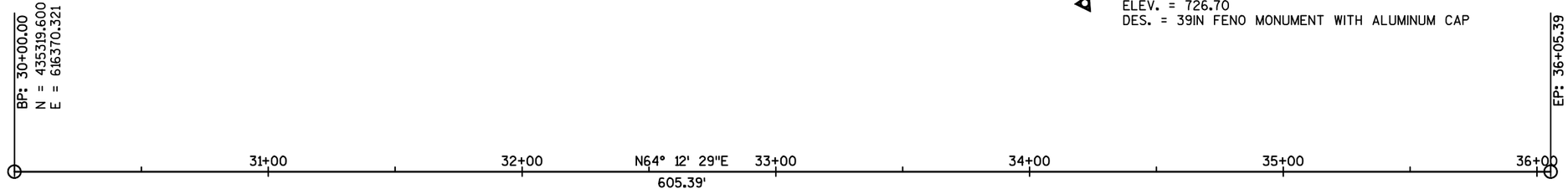


PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	TRAFFIC CONTROL - S2 - LOT #45-60 (STH 32 & CTH LL)	SHEET	E

FILE NAME : N:\PDS\C3D\CAD\10000400\026105_S2B.DWG PLOT DATE : 7/29/2016 1:17 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : Custom

WISDOT/CADDS SHEET 42

2



CP6
N = 435562.936
E = 616721.213
ELEV. = 726.70
DES. = 39IN FENO MONUMENT WITH ALUMINUM CAP

CP5
N = 453295.304
E = 616411.933
ELEV. = 726.57
DES. = 39IN FENO MONUMENT WITH ALUMINUM CAP

NOTE:
WCCS OZAUKEE COUNTY
NAD 83 (2007)
NAVD 88 (2007)

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	ALIGNMENT LAYOUT - LOT #45-60 (STH 32 & CTH LL)	SHEET 120	E

2

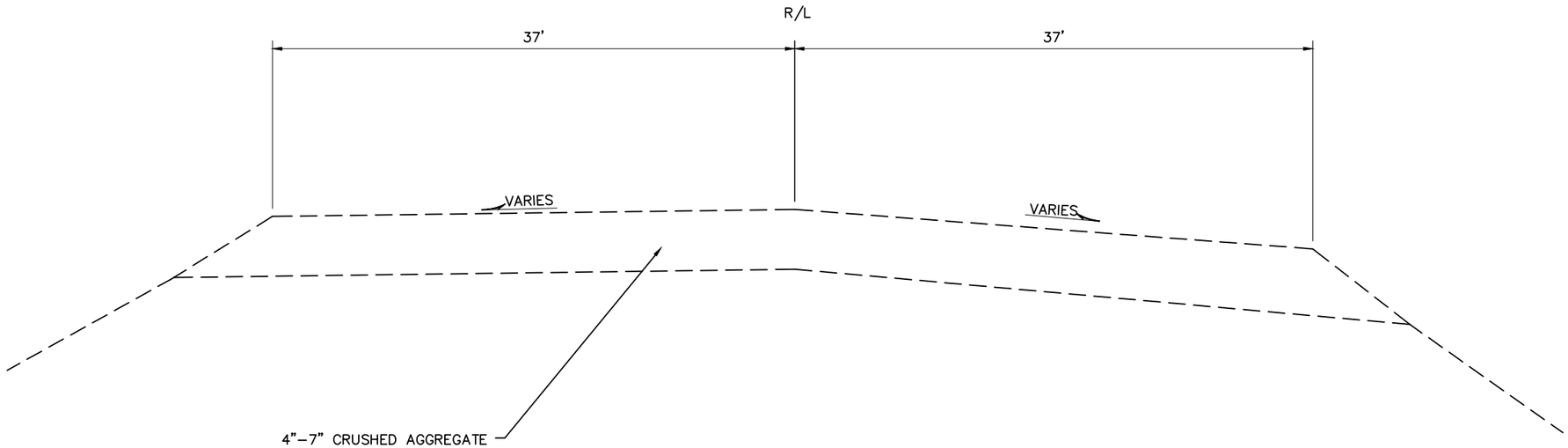
2

LOT 66-50 - IH 41 & CTH K

EXISTING TYPICAL SECTIONS
FINISHED TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLAN
PLAN DETAIL
CONTOUR PLAN
EROSION CONTROL
SIGNING PLAN
LIGHTING
PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT LAYOUT

PROJECT NO: 1000-04-70	HWY: NON-HWY – VARIOUS P & R	COUNTY: SE REGION - WIDE	LOT 66-50	SHEET: 121	E

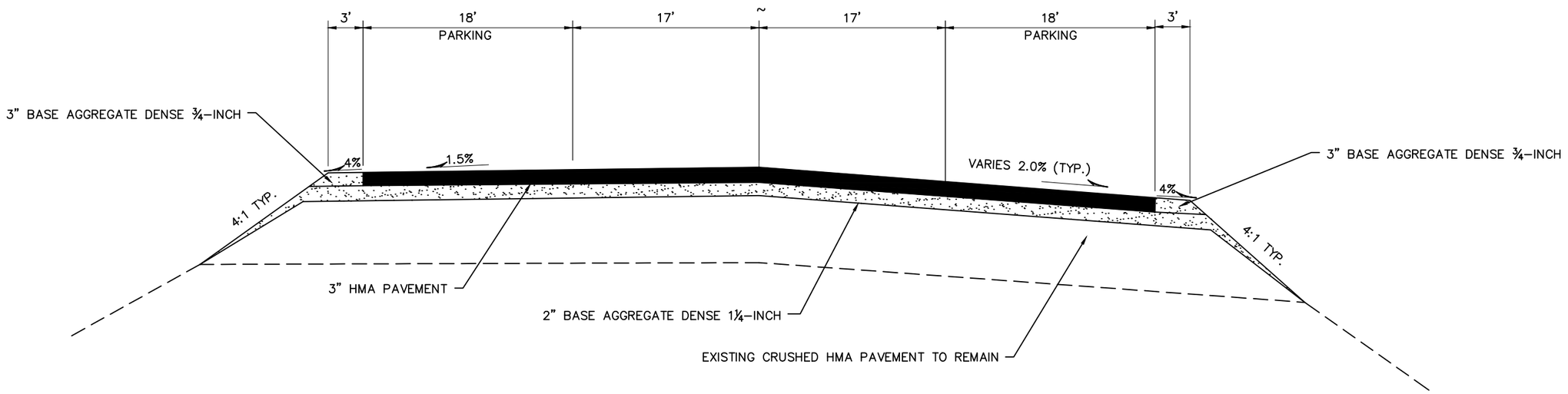
FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1



EXISTING TYPICAL SECTION

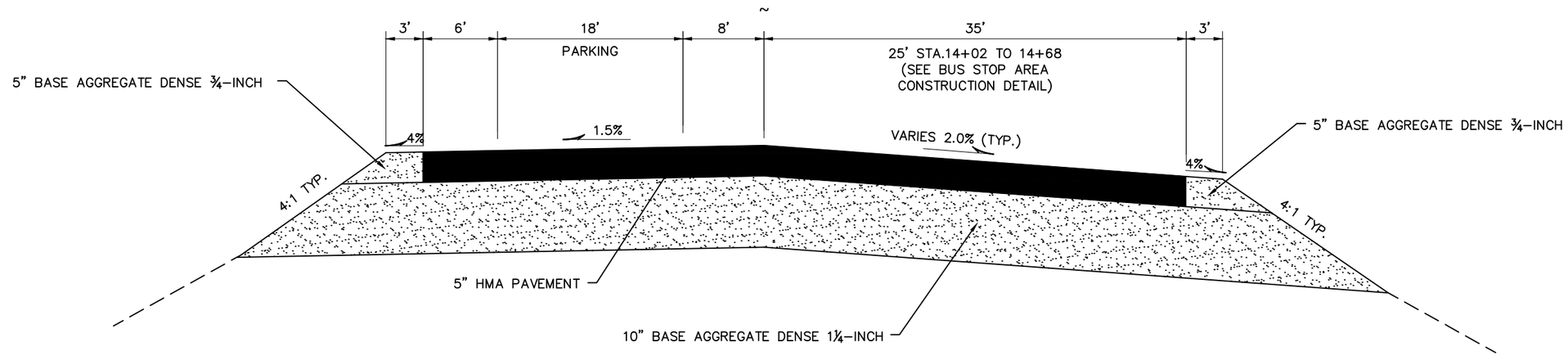
LOT #66–50 ~
STA. 10+98 – STA. 15+63

PROJECT NO:1000–04–70	HWY:NON–HIGHWAY	COUNTY:WASHINGTON	TYPICAL SECTION – LOT #66–50 (IH–41 & CTH K)	SHEET 122 E



FINISHED TYPICAL SECTION

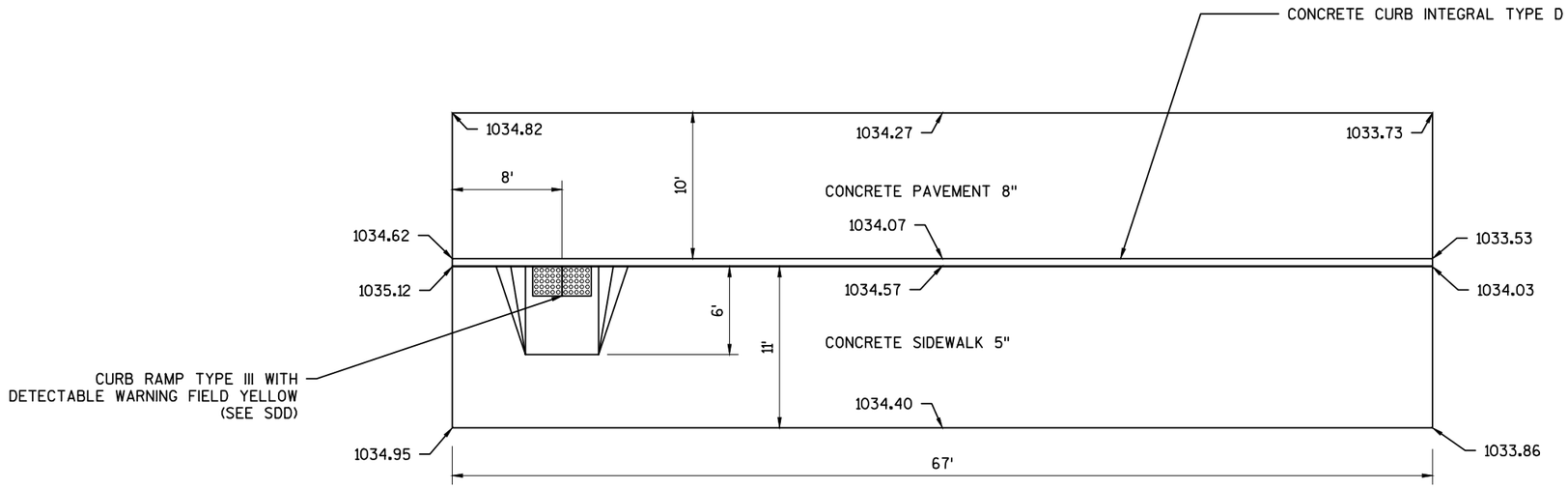
LOT #66–50 ~
STA. 10+98 – STA. 13+04



FINISHED TYPICAL SECTION

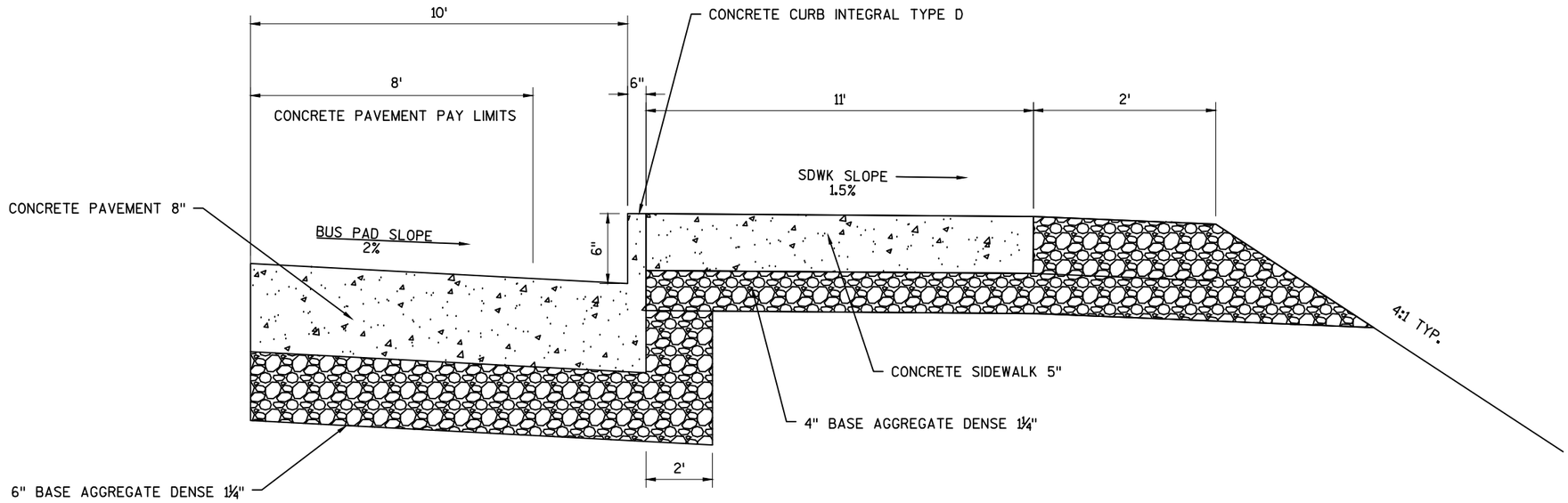
LOT #66–50 ~
STA. 13+04 – STA. 15+63

PROJECT NO:1000–04–70	HWY:NON–HIGHWAY	COUNTY:WASHINGTON	TYPICAL SECTION – LOT #66–50 (IH–41 & CTH K)	SHEET 123 E



BUS STOP AREA

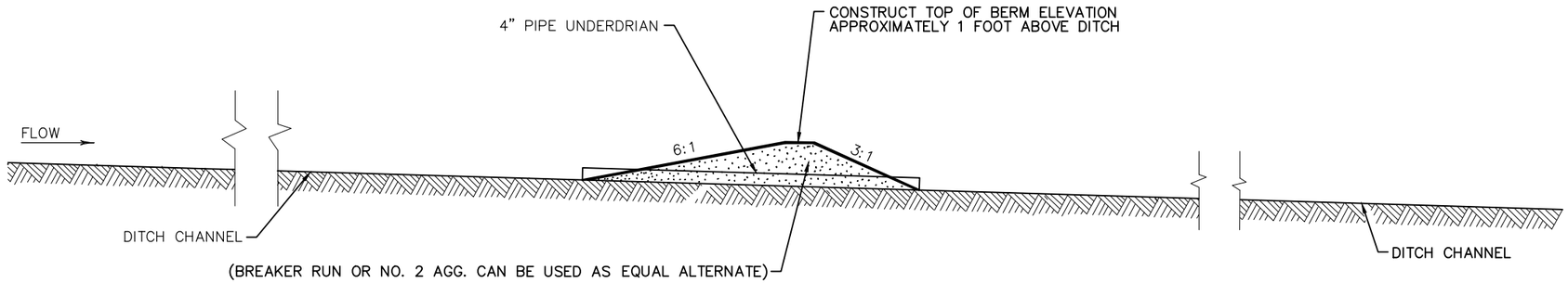
LOT #66-50 (IH-41 & CTH K)



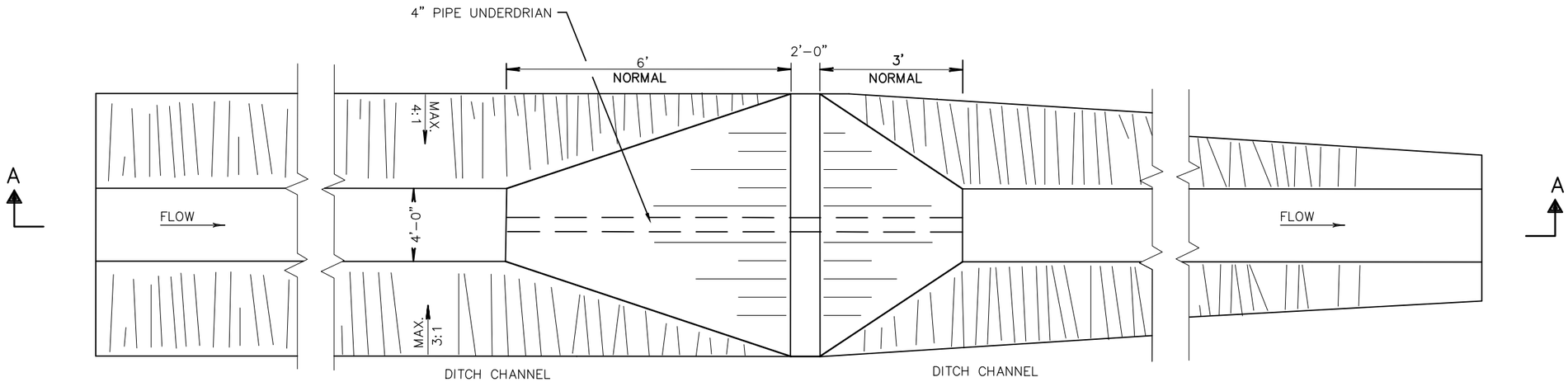
SECTION VIEW

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	CONSTRUCTION DETAIL - LOT #66-50 (IH-41 & CTH K)	SHEET 124	E

2



SECTION A–A



PLAN VIEW

PERMANENT DITCH CHECK DETAIL

LOT# 66-50 (IH-41 & CTH K)

GENERAL NOTES

CONSTRUCT PERMANENT DITCH CHECK WHERE INDICATED ON PLAN.

PROTECT DOWNSTREAM AND CULVERT ENTRANCES FROM SEDIMENTATION DURING AND AFTER CONSTRUCTION OF PERMANENT DITCH CHECKS

2

2

N

CTH K

GUY

SIGN

ADDISON RD.

REMOVING SMALL PIPE CULVERT

CP3

11+00 12+00 13+00 14+00 15+00 16+00

℄

WETLANDS

LEGEND

- PULVERIZE AND RELAY
- POTENTIAL EBS AREA
- APPROX. EXTENT OF CONTAMINATED SOIL
- REMOVING ASPHALTIC SURFACE BUTT JOINT (SEE DETAIL)
- REMOVING CONCRETE SIDEWALK
- REMOVING CONCRETE CURB & GUTTER

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	REMOVAL PLAN - LOT #66-50 (IH-41 & CTH K)	SHEET	E

FILE NAME : N:\PDS\C3D\CAD\10000400\021155_RM.DWG
LAYOUT NAME - 021155_RM - 021155_RM

PLOT DATE : 7/6/2016 1:40 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

CTH K

GUY

ADDISON RD.

10+98.01, -35.00' LT

BASE AGGREGATE DENSE ¾-INCH

SI

12+56.93, -68.10' LT

13+02.76, -70.38' LT

APRON ENDWALLS FOR CPRCHE 14x23-INCH

13+86.93, -70.54' LT

+86.97, -47.17' LT

12+97.62, -50.33' LT
1034.00

13+04.47, -35.00' LT

+69.47, -42.48' LT

13+52.53, -49.13' LT
1033.46

+56.97, -48.11' LT

13+70.02, -32.00' LT

CULVERT PIPE REINF. CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 14x23-INCH
LENGTH - 43 FT, SLOPE - 0.010 FT/FT

CP3
SEE BUS STOP AREA CONSTRUCTION DETAIL

14+82.93, -69.86' LT

15+16.10, -48.85' LT
1030.94

+07.11, -45.58' LT

+97.98, -42.34' LT

15+00.02, -32.00' LT

APRON ENDWALLS FOR CPRCHE 14x23-INCH

16+12.82, -68.66' LT

+82.97, -45.15' LT

SEE PERMANENT DITCH CHECK DETAIL

15+75.12, -49.81' LT
1030.25

CULVERT PIPE REINF. CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 14x23-INCH
LENGTH - 47 FT, SLOPE - 0.012 FT/FT

R18'
R30'
R20'

5'
3'
6'
26'
35'

11+00 12+00 13+00 14+00 15+00 16+00

HMA PAVEMENT

14+01.60, 25.00' RT

14+68.60, 25.00' RT

D

BASE AGGREGATE DENSE ¾-INCH

10+98.01, 35.00' RT

13+51.60, 38.00' RT

15+18.60, 38.00' RT

15+63.04, 35.00' RT

SI

DITCH CHANNEL

SEE PERMANENT DITCH CHECK DETAIL

SEE PERMANENT DITCH CHECK DETAIL

WETLAND BOUNDARY (TYP.)

LEGEND

- CONCRETE SIDEWALK 5"
- A — CONCRETE CURB & GUTTER 30-INCH TYPE D
- B — CONCRETE CURB & GUTTER 18-INCH TYPE D
- C — CONCRETE DRIVEWAY 8-INCH
- D — CONCRETE PAVEMENT 8-INCH
- REMOVING ASPHALTIC SURFACE BUTT JOINT

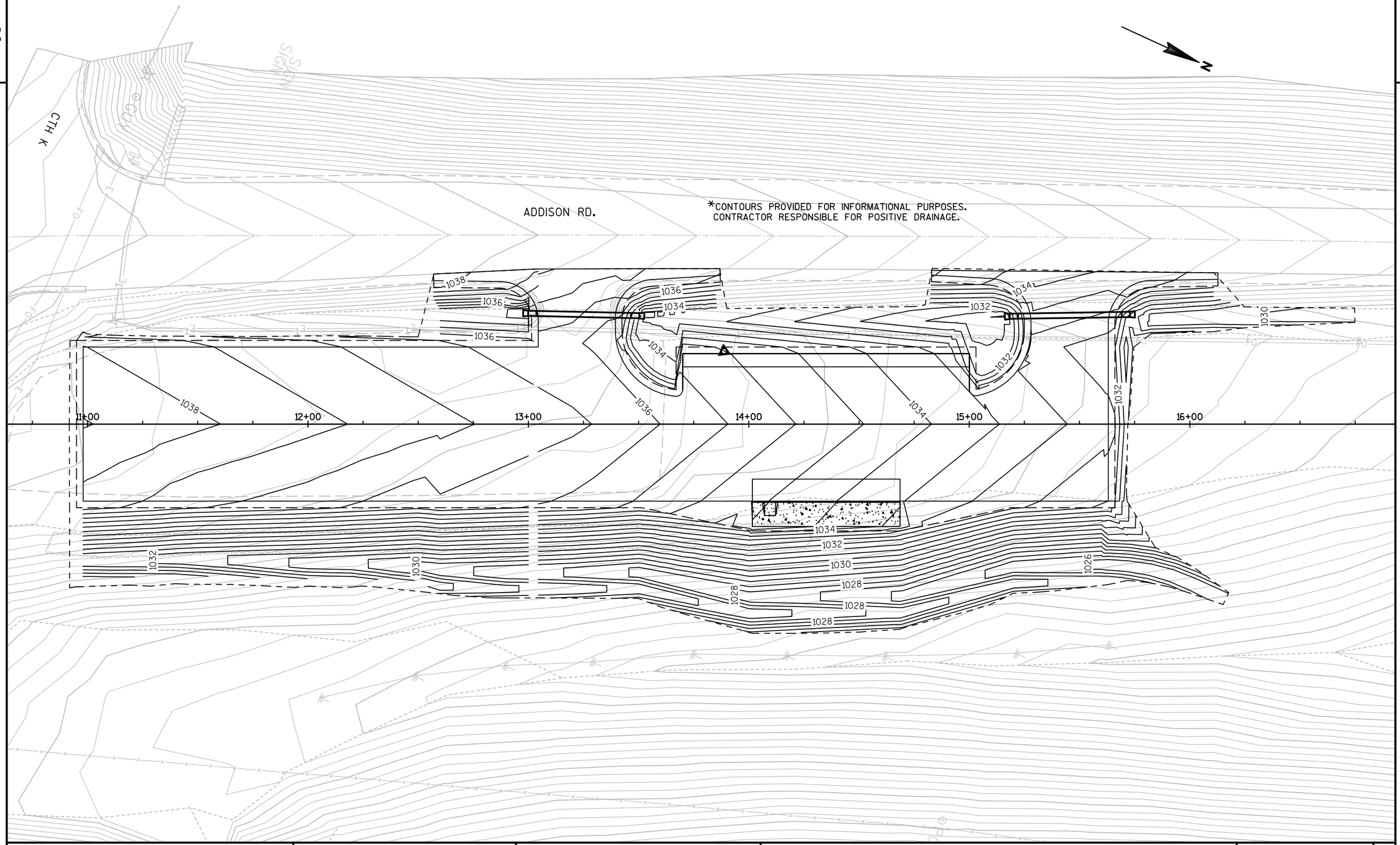
PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	PLAN DETAIL - LOT #66-50 (IH-41 & CTH K)	SHEET 127	E

FILE NAME : N:\PDS\C3D\CAD\10000400\ACF_021208_PD.DWG
LAYOUT NAME - ACF_021209_PD

PLOT DATE : 7/6/2016 1:55 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

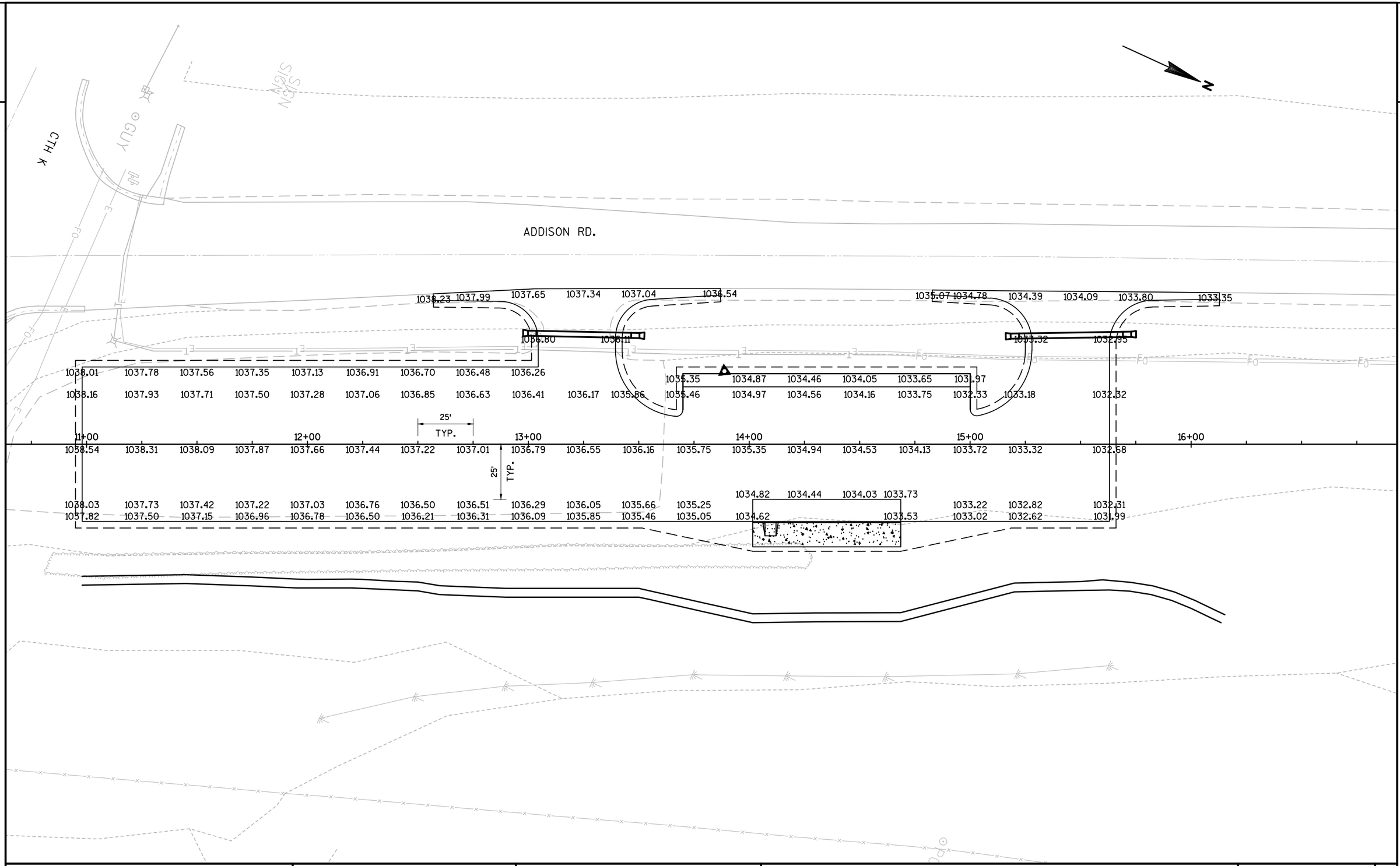
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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	PROPOSED CONTOURS - LOT #66-50 (IH-41 & CTH K)	SHEET E

FILE NAME : N:\PDS\C3D\CAD\10000400\021604_CM.DWG PLOT DATE : 7/21/2016 9:43 AM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT

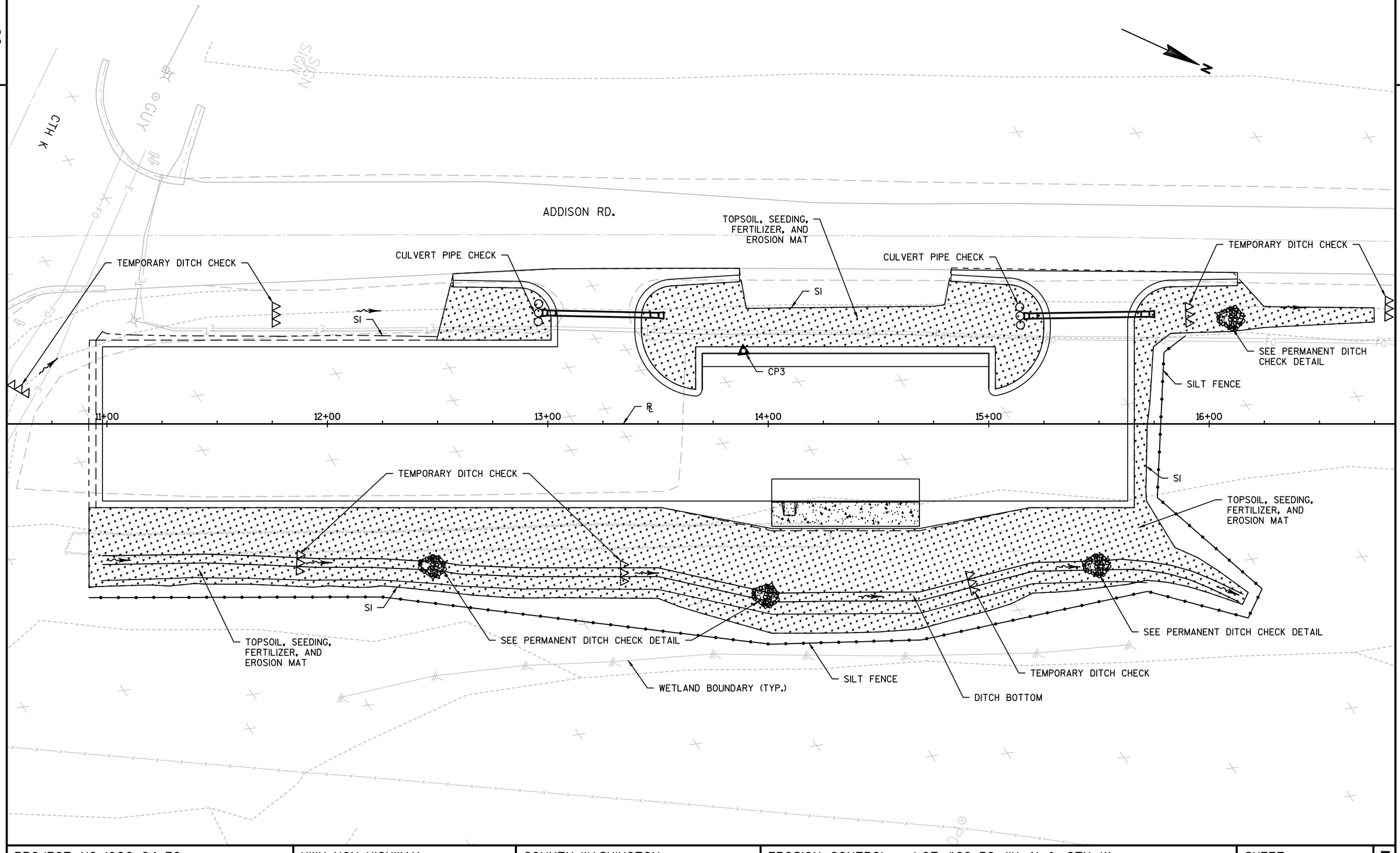
2



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	PAVEMENT GRADES - LOT #66-50 (IH-41 & CTH K)	SHEET	E

FILE NAME : N:\PDS\C3D\CAD\10000400\021303_GR.DWG PLOT DATE : 7/21/2016 1:13 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	EROSION CONTROL - LOT #66-50 (IH-41 & CTH K)	SHEET 130	E

FILE NAME : N:\PDS\C3D\CAD\10000400\022006_EC.DWG
LAYOUT NAME - 022006_EC - 022006_EC
PLOT DATE : 7/26/2016 12:38 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

OWNED BY TOWN
CONTACT TOWN TO
REMOVE AND REINSTALL

TOWN OF ADDISON
4920

RIDESHARE INFO
www.rideshare.wi.gov
1-800-455-POOL

701

D12-2A (MOD)

PARK & RIDE
PARKING ONLY
VEHICLES - BOATS - ITEMS
FOR SALE
WILL BE TOWED AT
OWNERS EXPENSE
BY ORDER OF WISDOT
STATUTE 346.55(4)

OWNED BY OTHERS
OWNER TO REMOVE
AND REINSTALL

702 703

STOP

R1-1
(2S)

704A

VAN
ACCESSIBLE

R7-8-V
(2S)

15

707

MOTORCYCLE
PARKING
ONLY

RESERVED
PARKING

THIS SPACE

R7-8A
(2S)

704 705 706

STOP

COUNTY
K

STOP TRAIL
CLOSED
CALL 262-331-6061

ESTR
OWNED BY OTHERS
(SNOWMOBLE SIGNS)

WELCOME TO

OWNED BY OTHERS
(SNOWMOBLE SIGNS)
REMOVE
NOT ALLOWED IN
STATE R/W

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- XXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

SHEET 11 OF 15

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	PERMANENT SIGNING - LOT #66-50 (IH-41 & CTH K)	SHEET 131	E

FILE NAME : N:\PDS\C3D\CAD\10000400\PERMANENT SIGNING\023210_PS.DWG PLOT DATE : 7/25/2016 8:24 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

CTH K

ADDISON RD.

#6 C,D,N
#8 GND

#6 C,D,N
#8 GND

#6 C,D,N
#8 GND

12+22.99, -40.00' LT
LED-C-5-6-CKW1

13+46.73, -55.29' LT
LED-C-5(T)-6-DKW1

5 #6 AWG
3 #8 AWG

13+48.04, -37.00' LT
LPB 103

14+18.52, -37.00' LT
LED-C-5-6-CKW2

15+18.51, -34.34' LT
LPB 104

15+69.97, -52.64' LT
LED-C-5(T)-6-BKW2

#6 B,N
#8 GND

15+75.39, -32.05' LT
LPB 105

EMPTY
CONDUIT

3"

12+99.47, -40.00' LT
LPB 102

11+00 12+00 13+00 14+00 15+00 16+00

3"

10+87.98, 10.31' RT
HL-66-KW

10+81.11, 10.04' RT
LPB 101

#6 A,B,N
#8 GND

11+36.07, 40.00' RT
LED-C-5-6-AKW1

#6 A,B,N
#8 GND

13+13.26, 40.00' RT
LED-C-5-6-BKW1

#6 A,B,N
#8 GND

15+03.26, 40.00' RT
LED-C-5-6-AKW2

LEGEND

- LIGHT POLE, ARM MOUNTED LUMINAIRE LED C
- DISTRIBUTION CENTER
- PULL BOX, 24"x42"
- CONDUIT - 2" UNLESS OTHERWISE NOTED

STATION — OFFSET

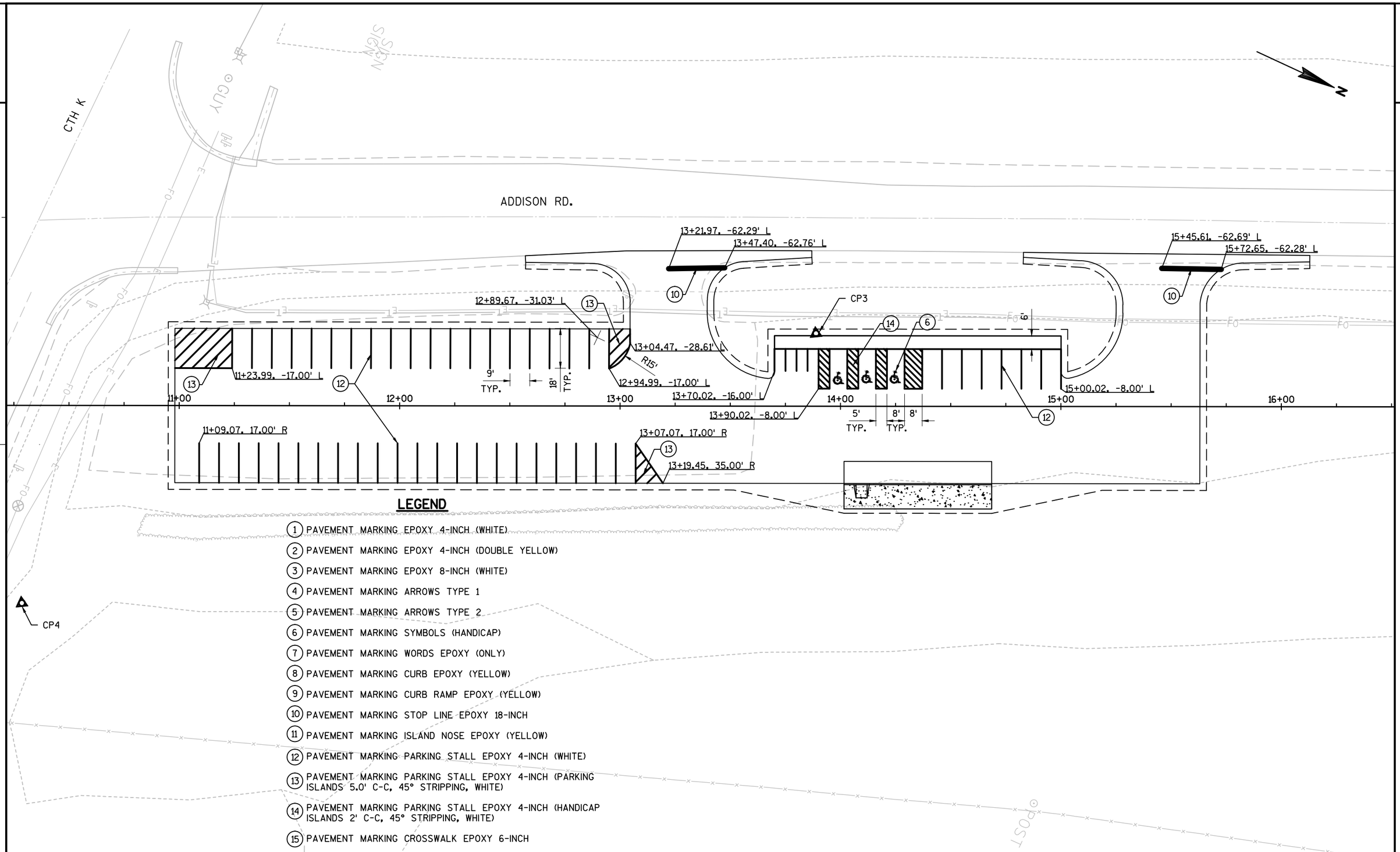
100+00.00, (100.00'RT)

LED-C-5(T)-15-AKW1

- CIRCUIT, SOURCE, POLE #
- ARM LENGTH
- POLE TYPE ON T-BASE
- LUMINAIRE CATEGORY
- LUMINAIRE SOURCE

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	LIGHTING PLAN - LOT #66-50 (IH-41 & CTH K)	SHEET 132	E

2



LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
2. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
3. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
4. PAVEMENT MARKING ARROWS TYPE 1
5. PAVEMENT MARKING ARROWS TYPE 2
6. PAVEMENT MARKING SYMBOLS (HANDICAP)
7. PAVEMENT MARKING WORDS EPOXY (ONLY)
8. PAVEMENT MARKING CURB EPOXY (YELLOW)
9. PAVEMENT MARKING CURB RAMP EPOXY (YELLOW)
10. PAVEMENT MARKING STOP LINE EPOXY 18-INCH
11. PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
12. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (WHITE)
13. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (PARKING ISLANDS 5.0' C-C, 45° STRIPPING, WHITE)
14. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (HANDICAP ISLANDS 2' C-C, 45° STRIPPING, WHITE)
15. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH

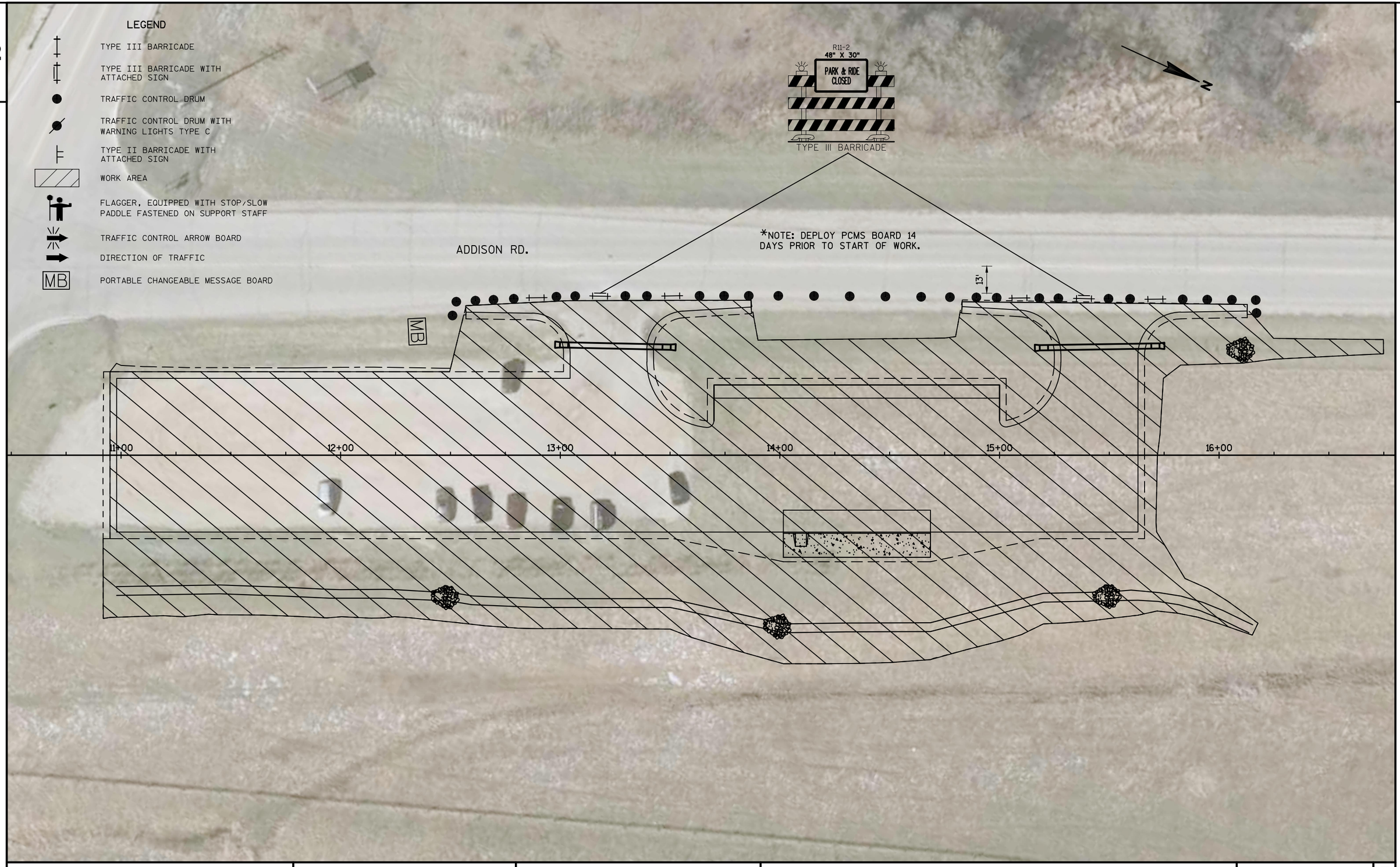
PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	PAVEMENT MARKING - LOT #66-50 (IH-41 & CTH K)	SHEET 133	E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	TRAFFIC CONTROL - LOT #66-50 (IH-41 & CTH K)	SHEET 134	E

2

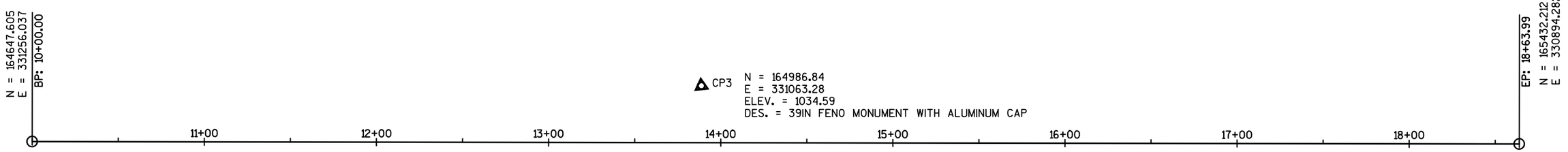


LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	TRAFFIC CONTROL - LOT #66-50 (IH-41 & CTH K)	SHEET 135	E

2



CP3 N = 164986.84
E = 331063.28
ELEV. = 1034.59
DES. = 39IN FENO MONUMENT WITH ALUMINUM CAP

CP4 N = 164711.155
E = 331325.44
ELEV. = 1035.66
DES. = 39IN FENO MONUMENT WITH ALUMINUM CAP

NOTE:
WCCS WASHINGTON COUNTY
NAD 83 (2011)
NAVD 88 (2012)

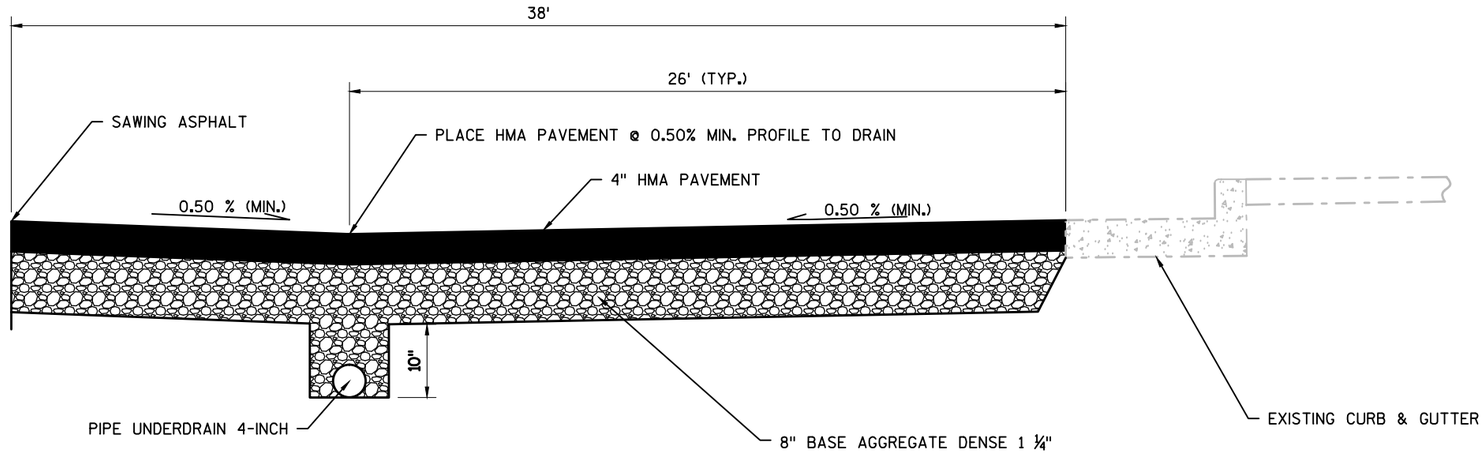
PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	ALIGNMENT LAYOUT - LOT #66-50 (IH-41 & CTH K)	SHEET 136	E

LOT 67-35 - IH 94 & BARKER RD

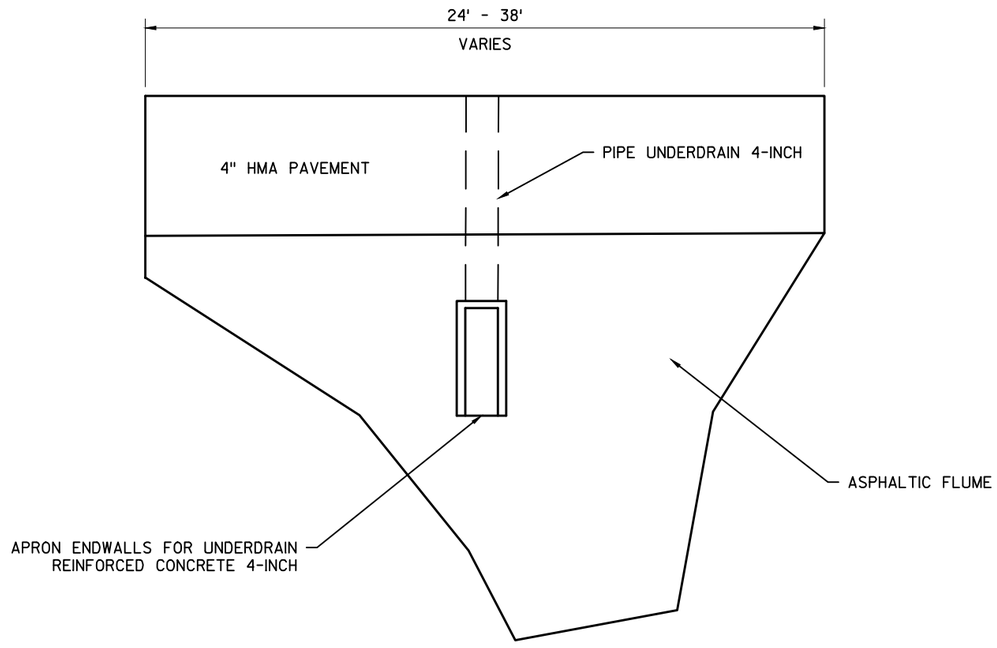
CONSTRUCTION DETAILS
REMOVAL PLAN
PLAN DETAIL
EROSION CONTROL
SIGNING PLAN
SIGNAL PLAN
PAVEMENT MARKING
TRAFFIC CONTROL

PROJECT NO: 1000-04-70	HWY: NON-HWY – VARIOUS P & R	COUNTY: SE REGION - WIDE	LOT 67-35	SHEET: 137	E

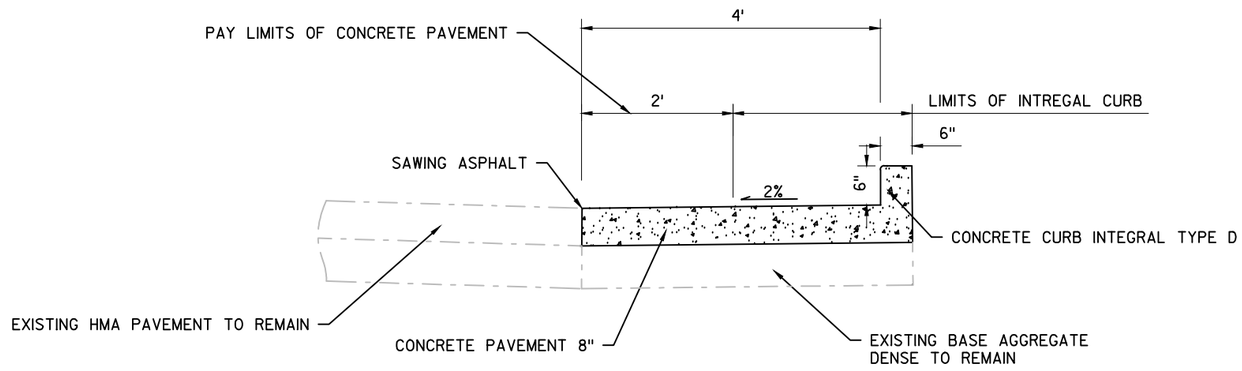
FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1



ASPHALT PAVEMENT DRAINAGE REPAIR AREA
LOT #67-35 (IH-94 & BARKER ROAD)
SECTION VIEW



ASPHALT PAVEMENT DRAINAGE REPAIR AREA
LOT #67-35 (IH-94 & BARKER ROAD)
PLAN VIEW

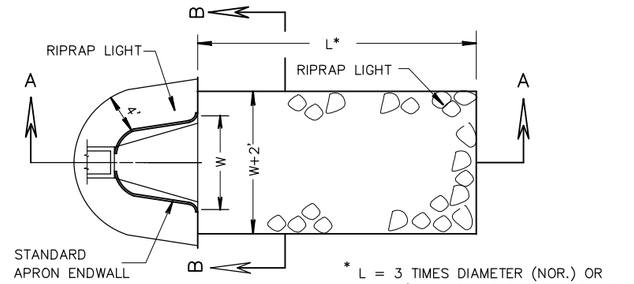


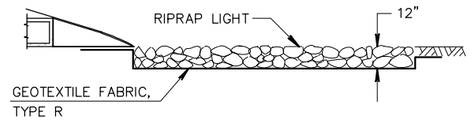
INTEGRAL CURB AND GUTTER
SECTION VIEW
LOT #67-35 (IH-94 & BARKER RD)

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	CONSTRUCTION DETAIL - LOT #67-35 (IH-94 & BARKER RD)	SHEET 139	E

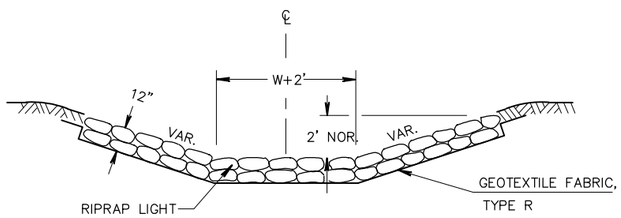
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LAYOUT NAME - ACF_021001_CD - 021014_CD
PLOT DATE : 7/28/2016 5:42 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2





SECTION A-A



SECTION B-B

SOD, RIPRAP AND GEOTEXTILE FABRIC DETAIL AT APRON ENDWALLS

LOT #45-20 (IH-43 & CTH C)
LOT #67-35 (IH-94 & BARKER RD)

N. BARKER RD.

E. MORELAND BLVD.

REMOVING
APRON ENDWALL

SAWING
CONCRETE

101'

XXXX

24'

SAWING ASPHALT

CONCRETE PAVEMENT
REPLACEMENT SHES

10'

33'

11'

200'

284'

SAWING ASPHALT

48'

REMOVE & REPLACE EXISTING BIKE RACK
(PAY AS SALVAGING BICYCLE LOCKER)

10'

11'

REMOVING
SURFACE DRAINS

SAWING ASPHALT

15'

6'

7'

*NOTE: ALL CURB RAMPS WILL BE REPLACED AND DETECTABLE WARNING FIELDS WILL BE ADDED. ALL OTHER CONCRETE SIDEWALK REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

EBS EXISTING SINKHOLE 1' DEEP BY 15' BY 20'
PLACE GEOTEXTILE FABRIC TYPE R, AND
BACKFILL WITH BREAKER RUN. FINAL DIMENSIONS
TO BE DETERMINED BY ENGINEER IN THE FIELD

LEGEND

- PULVERIZE AND RELAY
- POTENTIAL EBS AREA
- APPROX. EXTENT OF CONTAMINATED SOIL
- REMOVING ASPHALTIC SURFACE BUTT JOINT (SEE DETAIL)
- REMOVING CONCRETE SIDEWALK
- REMOVING CONCRETE CURB & GUTTER

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	REMOVAL PLAN - LOT #67-35 (IH-94 & BARKER RD)	SHEET 141 E

FILE NAME : N:\PDS\C3D\CAD\10000400\021156_RM.DWG PLOT DATE : 9/12/2016 4:31 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N. BARKER RD.

E. MORELAND BLVD.

N

3" BASE AGGREGATE DENSE ¾-INCH

CONCRETE PAVEMENT REPLACEMENT SHES

APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH (SEE DETAIL)

CONCRETE SURFACE DRAIN

3" BASE AGGREGATE DENSE ¾-INCH

115'

80'

7"

10'

33'

RESIN BINDER HIGH FRICTION SURFACE TREATMENT

11'

INTEGRAL CURB & GUTTER W/ 8" CONCRETE PAVEMENT (SEE CONSTRUCTION DETAIL)

200'

284'

48'

38'

10'

11'

0.50%

ASPHALTIC FLUME

24'

142'

45'

15'

SEE ASPHALT DRAINAGE REPAIR DETAIL

EBS EXISTING SINKHOLE 1' DEEP BY 15' BY 20' PLACE GEOTEXTILE FABRIC TYPE R, AND BACKFILL WITH BREAKER RUN. FINAL DIMENSIONS TO BE DETERMINED BY ENGINEER IN THE FIELD

LEGEND

- CONCRETE SIDEWALK 5"
- A — CONCRETE CURB & GUTTER 30-INCH TYPE D
- B — CONCRETE CURB & GUTTER 18-INCH TYPE D
- C — CONCRETE DRIVEWAY 8-INCH
- D — CONCRETE PAVEMENT 8-INCH
- REMOVING ASPHALTIC SURFACE BUTT JOINT

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	PLAN DETAIL - LOT #67-35 (IH-94 & BARKER RD)	SHEET 142	E

FILE NAME : N:\PDS\C3D\CAD\10000400\021206_PD.DWG PLOT DATE : 9/12/2016 2:09 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N. BARKER RD.

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

TEMPORARY DITCH CHECK

N

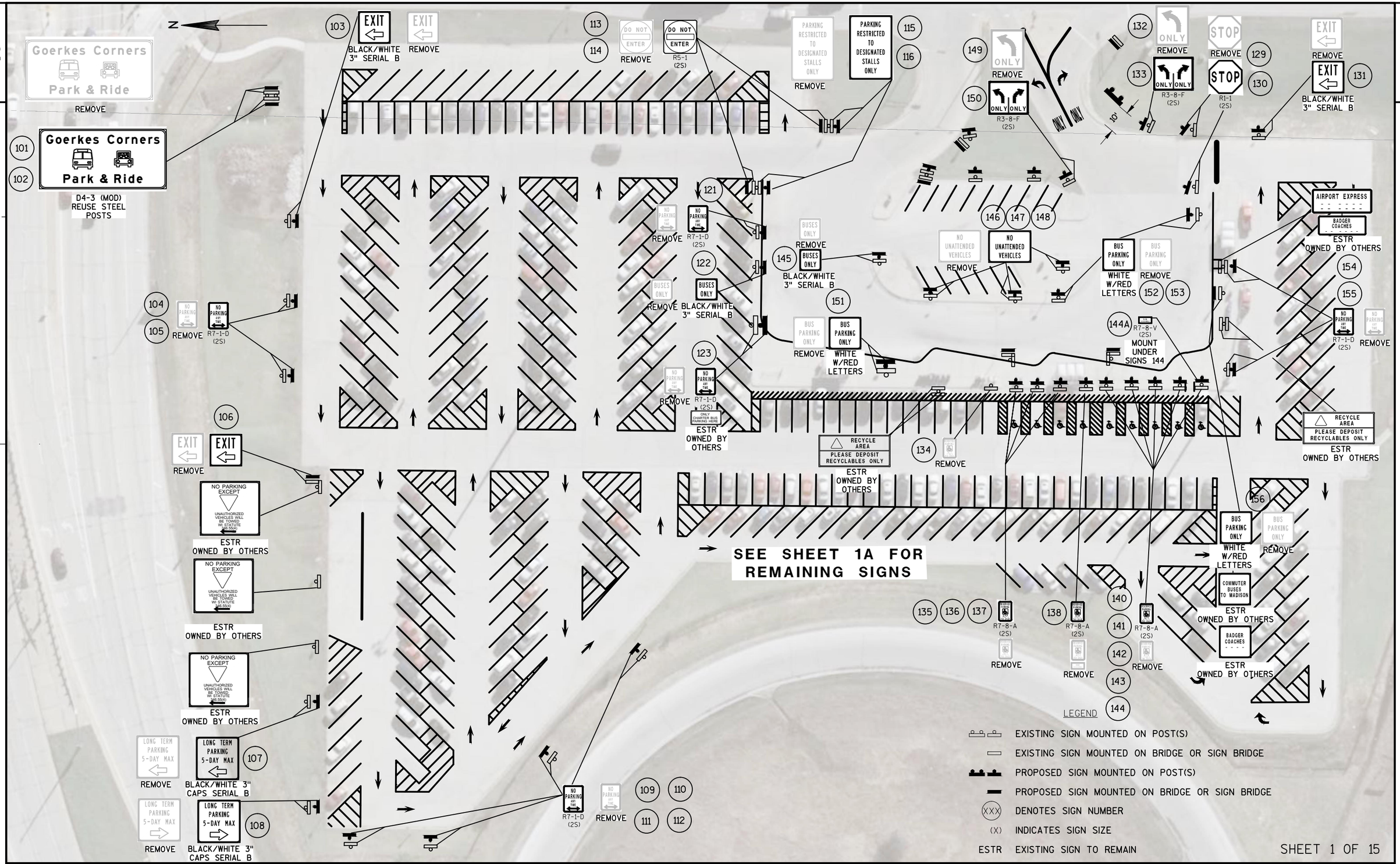
SILT FENCE

ROCK BAGS

E. MORELAND BLVD.

SILT FENCE

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	EROSION CONTROL - LOT #67-35 (IH-94 & BARKER RD)	SHEET 143	E



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	PERMANENT SIGNING - LOT #67-35 (IH-94 & BARKER RD)	SHEET 144	E

FILE NAME : N:\PDS\C3D\CAD\10000400\PERMANENT SIGNING\023201_PS.DWG PLOT DATE : 7/25/2016 8:23 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N

DO NOT ENTER
REMOVE

119

DO NOT ENTER
R5-1
(2S)

5 TONS OR OVER
REMOVE

117

R5-2
(2S) (MOD)

118

5 TONS OR OVER
R5-2-A
(2S)

RIDESHARE INFO
www.rideshare.wi.gov
1-800-455-POOL
D12-2A (MOD)

128

157

YIELD
R1-2
(2S)

ON SIGNAL POLE

YIELD
REMOVE

ONLY
ONLY

10'

NO LONG TERM OVERNIGHT PARKING EXCEPT AS DESIGNATED

PARK & RIDE PARKING ONLY

VEHICLES-BOATS-ITEMS FOR SALE WILL BE TOWED AT OWNERS EXPENSE BY ORDER OF WIS DOT WI STATUTE 346.55(4)

ESTR OWNED BY OTHERS

NO UNATTENDED VEHICLES

120

NO UNATTENDED VEHICLES
REMOVE

ONE WAY
REMOVE

ONE WAY
R6-2-R
(2S)

125

NO UNATTENDED VEHICLES
BLACK/WHITE
3" SERIAL B

124

NO UNATTENDED VEHICLES
REMOVE

BUS 401
ESTR OWNED BY OTHERS

BUS STOP
ESTR OWNED BY OTHERS

BUS PARKING ONLY

126

WHITE W/RED LETTERS

127

BUS PARKING ONLY
REMOVE

SEE SHEET 1 FOR REMAINING SIGN INFORMATION

SHEET 2 OF 15

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	PERMANENT SIGNING - LOT #67-35 (IH-94 & BARKER RD)	SHEET 145	E

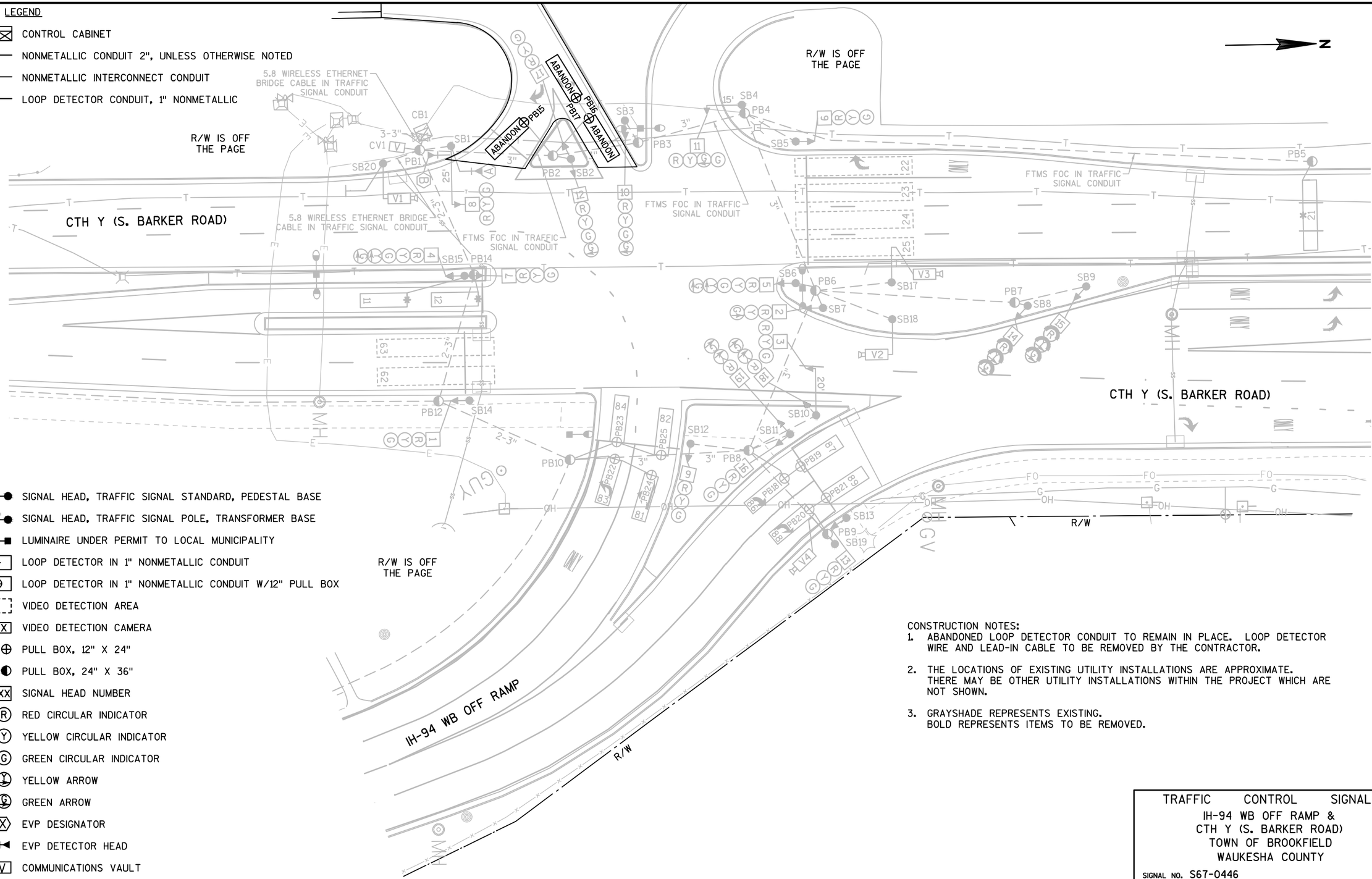
FILE NAME : N:\PDS\C3D\CAD\10000400\PERMANENT SIGNING\023201A_PS.DWG PLOT DATE : 7/25/2016 8:23 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC

- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT W/12" PULL BOX
- VIDEO DETECTION AREA
- VX VIDEO DETECTION CAMERA
- PULL BOX, 12" X 24"
- PULL BOX, 24" X 36"
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- V COMMUNICATIONS VAULT

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING



CONSTRUCTION NOTES:

1. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
2. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. GRAYSHADE REPRESENTS EXISTING. BOLD REPRESENTS ITEMS TO BE REMOVED.

TRAFFIC CONTROL SIGNAL
IH-94 WB OFF RAMP &
CTH Y (S. BARKER ROAD)
TOWN OF BROOKFIELD
WAUKESHA COUNTY

SIGNAL NO. S67-0446

REGION CONTACT: D. DEDRICK
DESIGNED BY:
REVISED BY: C. VANDE LEEST

PAGE 1 OF 1

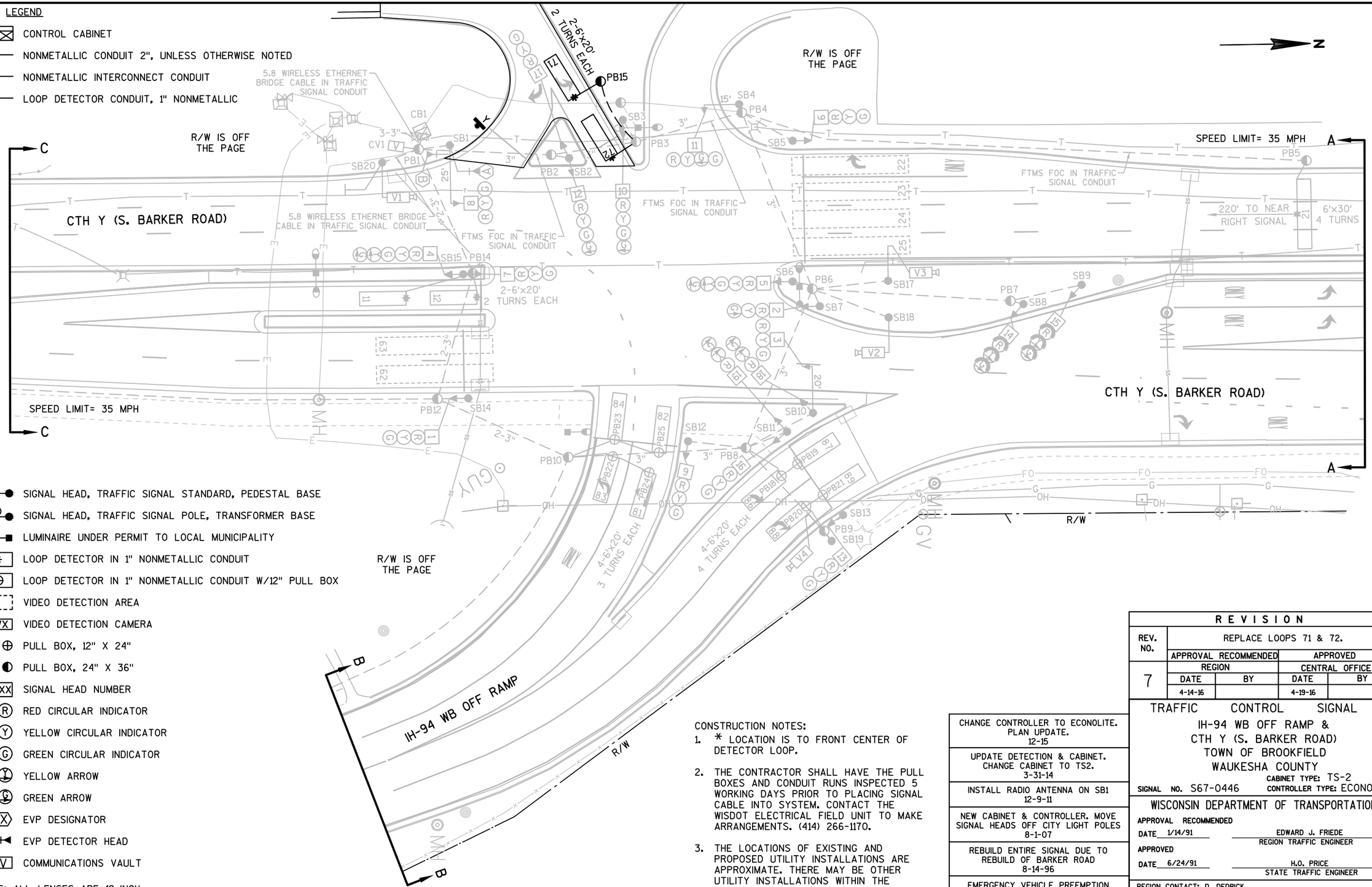
PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	TRAFFIC SIGNAL REMOVAL PLAN - LOT #67-35	SHEET 146 E

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC

- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT W/12" PULL BOX
- VIDEO DETECTION AREA
- VX VIDEO DETECTION CAMERA
- PULL BOX, 12" X 24"
- PULL BOX, 24" X 36"
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- V COMMUNICATIONS VAULT

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING



CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

CHANGE CONTROLLER TO ECONOLITE. PLAN UPDATE. 12-15
UPDATE DETECTION & CABINET. CHANGE CABINET TO TS2. 3-31-14
INSTALL RADIO ANTENNA ON SB1 12-9-11
NEW CABINET & CONTROLLER. MOVE SIGNAL HEADS OFF CITY LIGHT POLES 8-1-07
REBUILD ENTIRE SIGNAL DUE TO REBUILD OF BARKER ROAD 8-14-96
EMERGENCY VEHICLE PREEMPTION NB & SB APPROACHES 1-96

REVISION				
REV. NO.	REPLACE LOOPS 71 & 72.			
	APPROVAL RECOMMENDED		APPROVED	
	REGION		CENTRAL OFFICE	
7	DATE	BY	DATE	BY
	4-14-16		4-19-16	

TRAFFIC CONTROL SIGNAL
IH-94 WB OFF RAMP &
CTH Y (S. BARKER ROAD)
TOWN OF BROOKFIELD
WAUKESHA COUNTY
CABINET TYPE: TS-2
SIGNAL NO. S67-0446 CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 1/14/91 EDWARD J. FRIEDE, REGION TRAFFIC ENGINEER

APPROVED
DATE 6/24/91 H.O. PRICE, STATE TRAFFIC ENGINEER

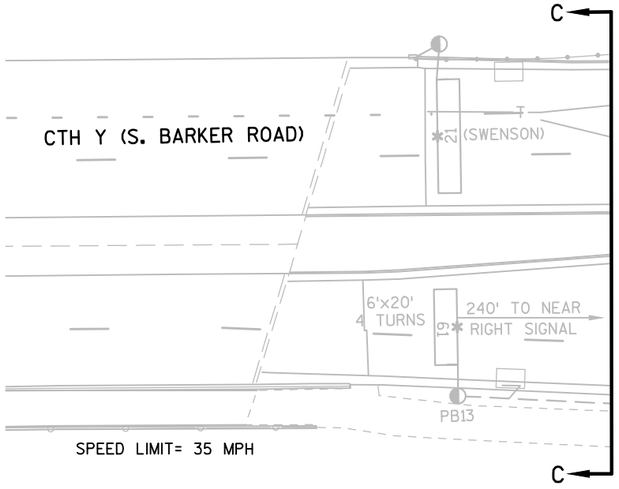
REGION CONTACT: D. DEDRICK
DESIGNED BY:
REVISED BY: C. VANDE LEEST

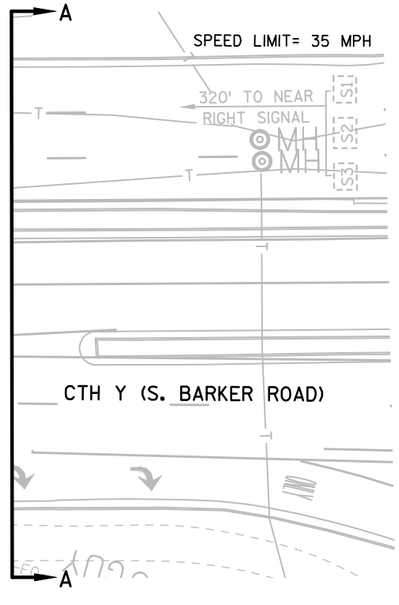
PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	TRAFFIC SIGNAL PLAN - LOT #67-35	SHEET 147 E

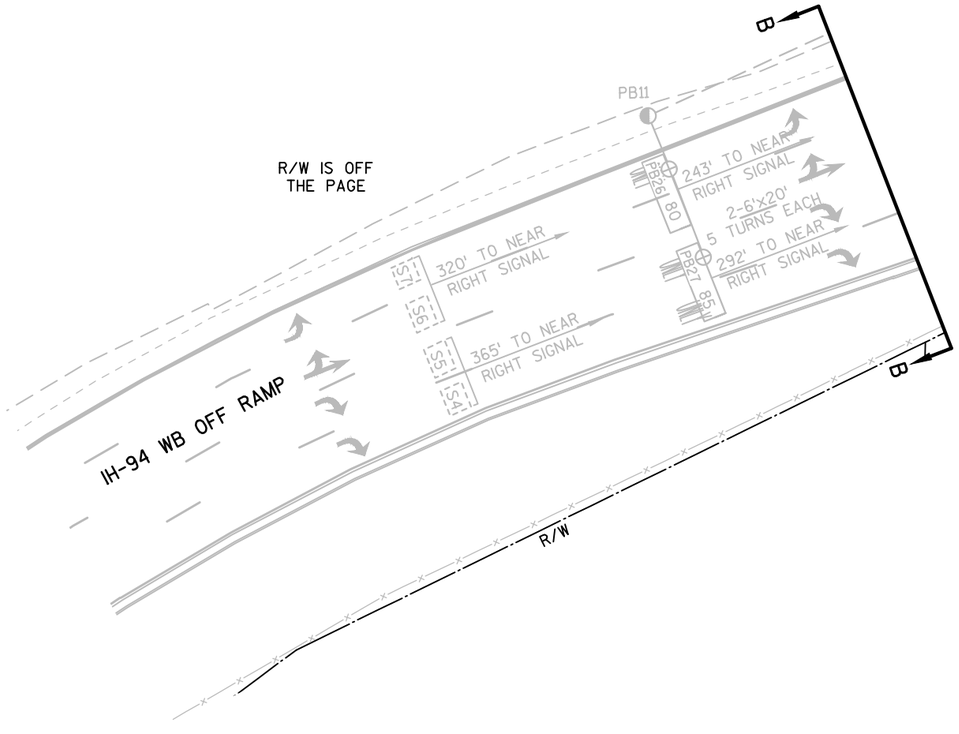
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LAYOUT NAME - S67-0446_H_PG1
PLOT DATE : 7/28/2016 5:54 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N







TRAFFIC CONTROL SIGNAL
IH-94 WB OFF RAMP &
CTH Y (S. BARKER ROAD)
TOWN OF BROOKFIELD
WAUKESHA COUNTY

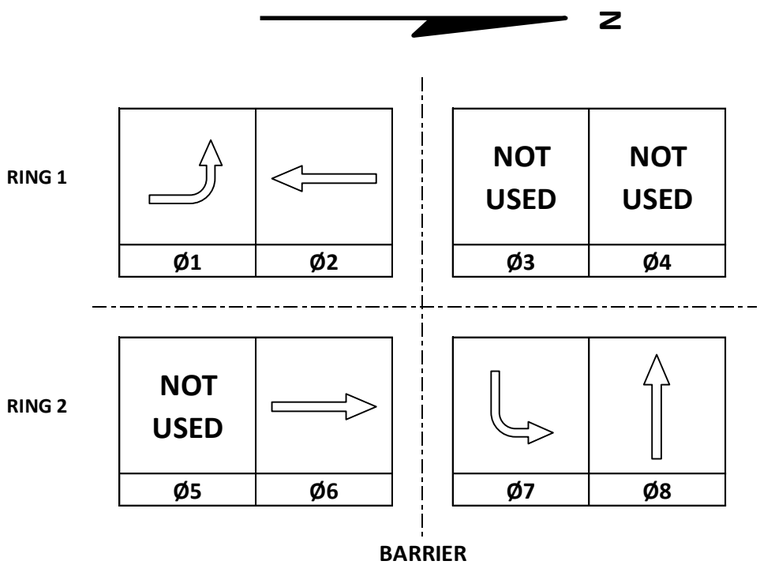
SIGNAL NO. S67-0446

REGION CONTACT: D. DEDRICK
DESIGNED BY:
REVISED BY: C. VANDE LEEST

PAGE 2 OF 3

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	TRAFFIC SIGNAL PLAN - LOT #67-35	SHEET 148	E

	HEAD NUMBERS	FLASH
Ø1	4,5	-
Ø2	6,7,8	R
Ø3		
Ø4		
Ø5		
Ø6	1,2,3,4,5	R
Ø7	17,18,19	R
Ø8	9,10,11,12,13,14,15,16	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLE		
OLF		
OLG		
OLH		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6	---	X
2	X	6	MIN	X
3				
4				
5				
6	X	2	MIN	X
7			---	X
8			---	X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	⇐ ⇒	⇐ ⇒		
PHASE	2+6	6+2		

AFTER PREEMPTION SEQUENCE 2+6 OR 6+2, CONTROLLER SHALL RETURN TO PHASES 2+6.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	X
RADIO	X
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS- 0044

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	
IN SEPARATE DOT LIGHTING CABINET	X

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	X
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

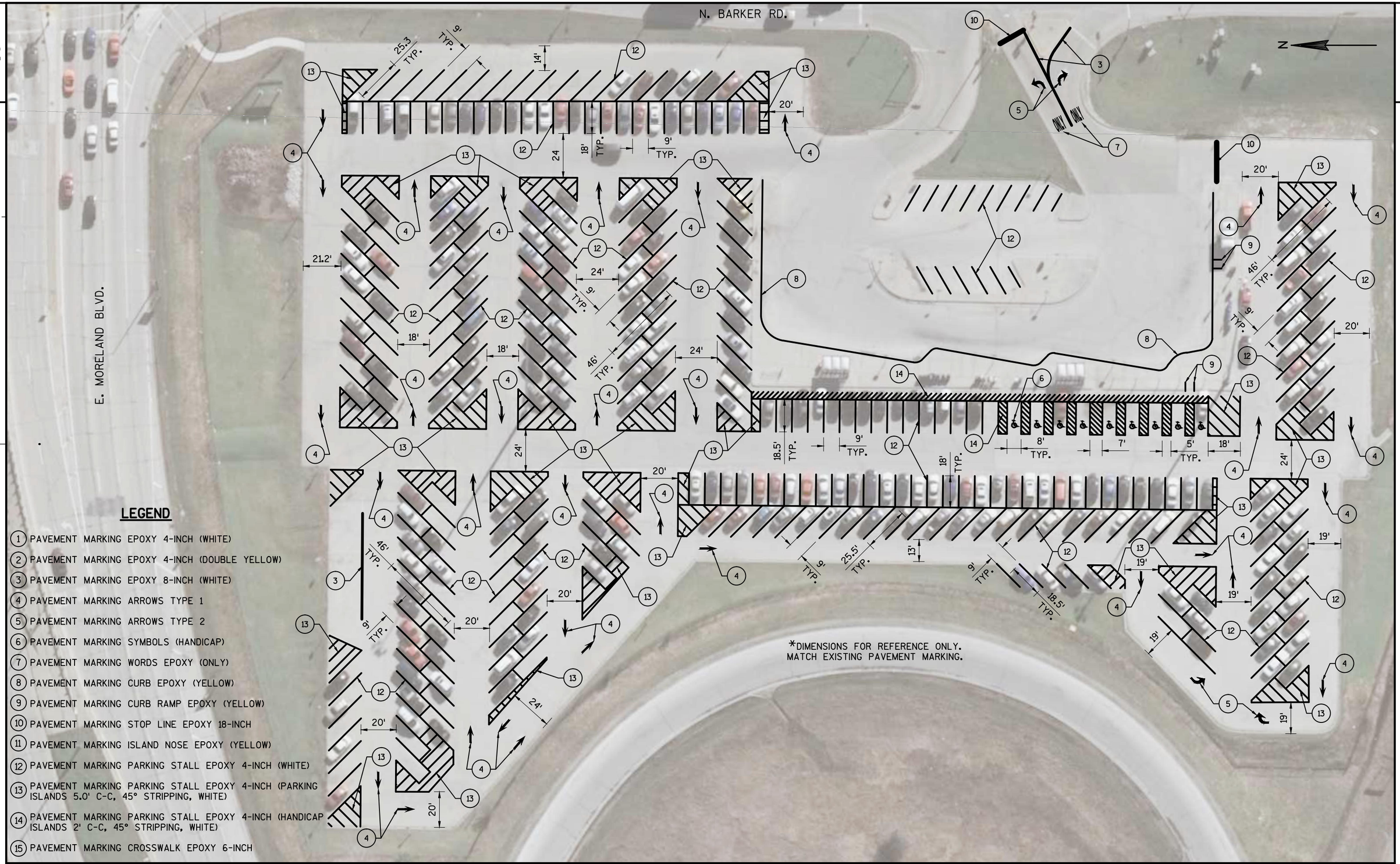
DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	11	21	71		81	83	85	88	22	24	S1	S3	S5	S7			PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	7		8	8	8	8	2	2							CALLED PHASE
CALL OPTION	X	X	X		X	X		X	X	X							CALL OPTION
DELAY TIME																	DELAY TIME
EXTENTION OPTION	X	X	X		X	X	X	X	X	X							EXTENTION OPTION
EXTEND TIME							X										EXTEND TIME
USE ADDED INITIAL		X															USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	12	61	72	80	82	84	86/87	89	23	25	S2	S4	S6				PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	6	7	8	8	8	8	8	2	2							CALLED PHASE
CALL OPTION	X	X	X		X	X	X	X	X	X							CALL OPTION
DELAY TIME																	DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X							EXTENTION OPTION
EXTEND TIME				X													EXTEND TIME
USE ADDED INITIAL		X															USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

IH 94 WB OFF RAMP & CTH Y (S. BARKER RD)
TOWN OF BROOKFIELD
WAUKESHA COUNTY

SIGNAL NO: S67-0446 CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE
DATE: 02/2016 PAGE NO. 3 OF 3

2



LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
2. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
3. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
4. PAVEMENT MARKING ARROWS TYPE 1
5. PAVEMENT MARKING ARROWS TYPE 2
6. PAVEMENT MARKING SYMBOLS (HANDICAP)
7. PAVEMENT MARKING WORDS EPOXY (ONLY)
8. PAVEMENT MARKING CURB EPOXY (YELLOW)
9. PAVEMENT MARKING CURB RAMP EPOXY (YELLOW)
10. PAVEMENT MARKING STOP LINE EPOXY 18-INCH
11. PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
12. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (WHITE)
13. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (PARKING ISLANDS 5.0' C-C, 45° STRIPPING, WHITE)
14. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (HANDICAP ISLANDS 2' C-C, 45° STRIPPING, WHITE)
15. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH

*DIMENSIONS FOR REFERENCE ONLY.
MATCH EXISTING PAVEMENT MARKING.

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	PAVEMENT MARKING - LOT #67-35 (IH-94 & BARKER RD)	SHEET 150	E

N. BARKER RD.

E. MORELAND BLVD.

MB

BUSES

CARS

R3-1
24"X24"

11'
MIN.

TEMPORARY HANDICAP
WALKWAY

TEMPORARY HANDICAP
PARKING AREA

R7-8-A
(2S)

R7-1-D
(2S)

CONTINUE THIS PATTERN OF SIGNS
THROUGHOUT TEMPORARY HANDICAP
PARKING AREA

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

WORK:

1. ASPHALT DRAINAGE REPAIR.
2. CONCRETE PAVEMENT REPAIR SOUTH HALF OF EXIT DRIVEWAY.
3. MISC. C&G REPAIR.
4. REPLACE CULVERT ENDWALL.
5. SINK HOLE REPAIR.
6. APPLY FRICTION SURFACE TREATMENT TO SOUTH HALF OF DRIVEWAY.
7. PAVEMENT MARKING IN WORK ZONE AREA.
8. PERMANENT SIGNING IN WORK AREA.

*NOTE: DEPLOY PCMS BOARD 14 DAYS PRIOR TO START OF WORK.

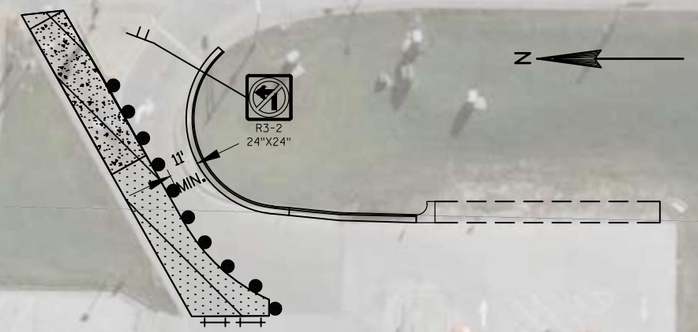
NOTE: SEE PLAN DETAIL SHEETS FOR CONSTRUCTION DETAILS.

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	TRAFFIC CONTROL - S1 - LOT #67-35 (IH-94 & BARKER RD)	SHEET 151	E

N. BARKER RD.

E. MORELAND BLVD.

MB



N

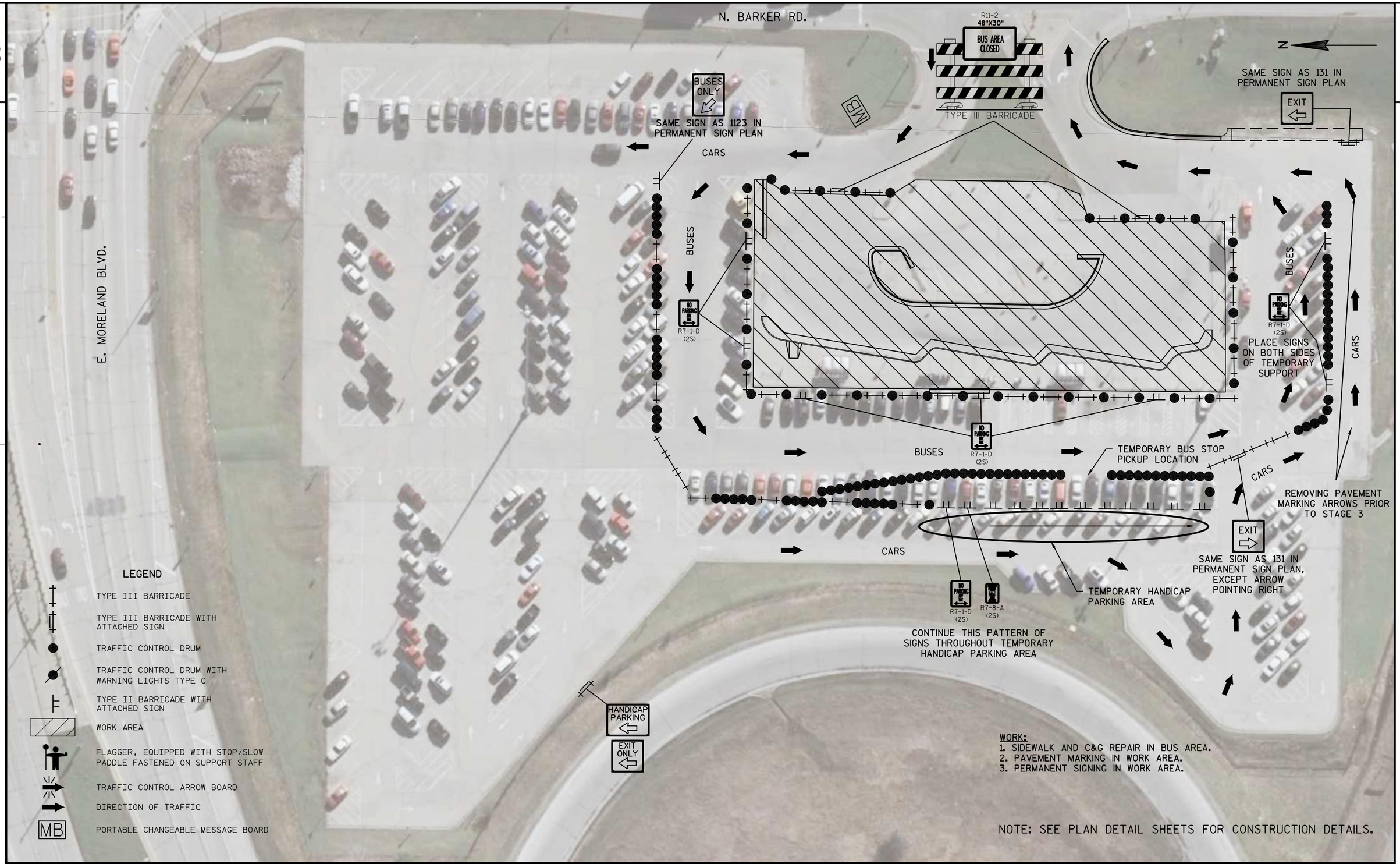
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

WORK:
1. CONCRETE PAVEMENT REPAIR NORTH HALF OF EXIT DRIVEWAY.
2. APPLY FRICTION SURFACE TREATMENT TO NORTH HALF OF EXIT DRIVEWAY.
3. PAVEMENT MARKING IN WORK ZONE AREA.
4. PERMANENT SIGNING IN WORK ZONE AREA.

NOTE: SEE PLAN DETAILS, PAVEMENT MARKING DETAIL SHEETS AND SIGNING PLAN FOR ADDITIONAL INFORMATION.

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	TRAFFIC CONTROL - S2 - LOT #67-35 (IH-94 & BARKER RD)	SHEET 152	E



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	TRAFFIC CONTROL - S3 - LOT #67-35 (IH-94 & BARKER RD)	SHEET 153	E

FILE NAME : N:\PDS\C3D\CAD\10000400\ACF_026206_S3.DWG PLOT DATE : 7/29/2016 1:30 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N. BARKER RD.

E. MORELAND BLVD.

MB

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

WORK:
1. PAVEMENT MARKING IN WORK ZONE AREA.
2. PERMANENT SIGNING IN WORK ZONE AREA.

NOTE: SEE PAVEMENT MARKING DETAIL SHEETS AND SIGNING PLAN FOR ADDITIONAL INFORMATION.

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	TRAFFIC CONTROL- S4 - LOT #67-35 (IH-94 & BARKER RD)	SHEET 154	E

2

N. BARKER RD.

E. MORELAND BLVD.

MB

N

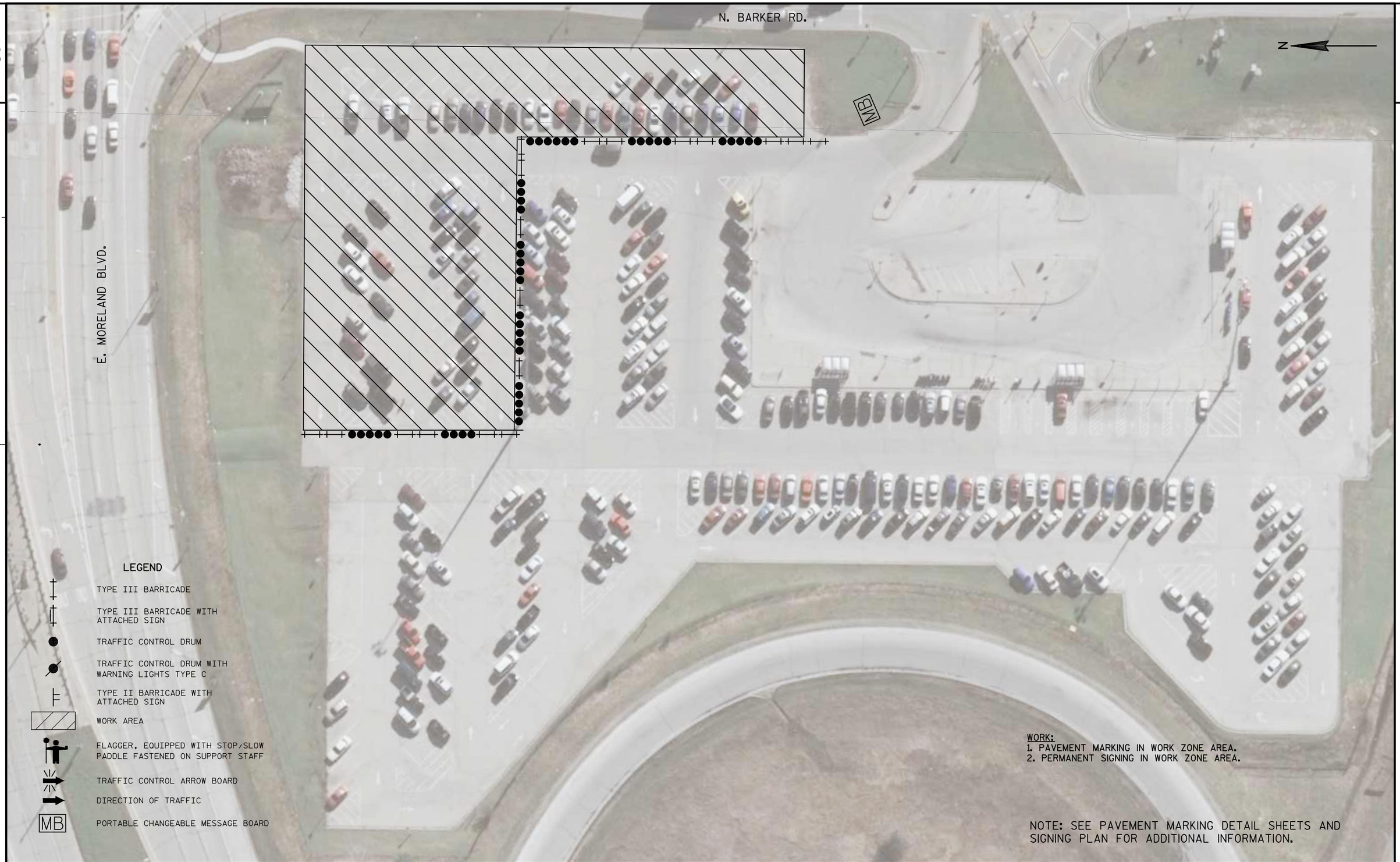
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

WORK:
1. PAVEMENT MARKING IN WORK ZONE AREA.
2. PERMANENT SIGNING IN WORK ZONE AREA.

NOTE: SEE PAVEMENT MARKING DETAIL SHEETS AND SIGNING PLAN FOR ADDITIONAL INFORMATION.

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	TRAFFIC CONTROL- S5 - LOT #67-35 (IH-94 & BARKER RD)	SHEET 155	E



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

WORK:
1. PAVEMENT MARKING IN WORK ZONE AREA.
2. PERMANENT SIGNING IN WORK ZONE AREA.

NOTE: SEE PAVEMENT MARKING DETAIL SHEETS AND SIGNING PLAN FOR ADDITIONAL INFORMATION.

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	TRAFFIC CONTROL- S6 - LOT #67-35 (IH-94 & BARKER RD)	SHEET 156	E

2

LOT 67-40 - IH 94 & CTH F

PLAN DETAIL
SIGNING PLAN
PAVEMENT MARKING
TRAFFIC CONTROL

2



LEGEND

- CONCRETE SIDEWALK 5"
- A — CONCRETE CURB & GUTTER 30-INCH TYPE D
- B — CONCRETE CURB & GUTTER 18-INCH TYPE D
- C — CONCRETE DRIVEWAY 8-INCH
- D — CONCRETE PAVEMENT 8-INCH
- REMOVING ASPHALTIC SURFACE BUTT JOINT

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	PLAN DETAIL - LOT #67-40 (IH-94 & CTH F)	SHEET 158	E

2

2

CTH F

IH-94 EB ON-RAMP

N

MH

MH

REMOVE EXISTING FENCE & REPLACE
WITH NEW FENCE CHAIN LINK 6-FT

END NEW FENCE
MATCH EXISTING R/W FENCE

LEGEND

- CONCRETE SIDEWALK 5"
- (A) CONCRETE CURB & GUTTER 30-INCH TYPE D
- (B) CONCRETE CURB & GUTTER 18-INCH TYPE D
- (C) CONCRETE DRIVEWAY 8-INCH
- (D) CONCRETE PAVEMENT 8-INCH
- REMOVING ASPHALTIC SURFACE BUTT JOINT

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	PLAN DETAIL - LOT #67-40 (IH-94 & CTH F)	SHEET 159	E

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

XXX DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN

N

WEST INTERSTATE 94 USE LEFT LANE | NORTH COUNTY F | EAST INTERSTATE 94
ESTR

305
RIDESHARE INFO
www.rideshare.wi.gov
1-800-455-POOL
D12-2A (MOD)

REMOVE
306 307
R7-8-A (2S)
306A 307A
R7-8V (2S)

Sussex
Madison
Milwaukee
ESTR

315 316
R7-8-A (2S)

ESTR

302
D4-1 (2S)
REMOVE

303
NO DETACHED TRAILER PARKING
REMOVE

304
NO PARKING ANY TIME
R7-1-L (2S)
REMOVE

STOP 301
R1-1 (2S)
REMOVE

PARKING RESTRICTED TO DESIGNATED STALLS ONLY
REMOVE
PARKING RESTRICTED TO DESIGNATED STALLS ONLY 308

PARK & RIDE PARKING ONLY
VEHICLES - BOATS - ITEMS FOR SALE WILL BE TOWED AT OWNERS EXPENSE BY ORDER OF WISDOT STATUTE 346.55(4)
ESTR OWNED BY OTHERS

NO PARKING ANY TIME 309 310
R7-1-D (2S)
SIGN 309 ON TELEPHONE POLE PLACE ON NEW POST
REMOVE

NO DUMPING OR DEPOSIT OF HOUSEHOLD TRASH SEC. 159.81(2)(a) WI STATUS
OWNED BY COUNTY MOUNTED ON FENCE AFTER NEW FENCE INSTALLED SIGN TO BE INSTALLED BY OTHERS

NO PARKING ANY TIME 311 312 313 314
R7-1-D (2S)
MOUNTED ON FENCE DO NOT INSTALL UNTIL NEW FENCE IS INSTALLED
REMOVE

SHEET 4 OF 15

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	PERMANENT SIGNING - LOT #67-40 (IH-94 & CTH F)	SHEET 160	E

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- XXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

N

NO PARKING EXCEPT
UNAUTHORIZED VEHICLES WILL BE TOWED WI STATUTE 346.55(4)

OWNED BY COUNTY
MOUNTED ON FENCE
COUNTY TO REINSTALL
ON NEW FENCE

NO PARKING EXCEPT
UNAUTHORIZED VEHICLES WILL BE TOWED WI STATUTE 346.55(4)

OWNED BY COUNTY
MOUNTED ON FENCE
COUNTY TO REINSTALL
ON NEW FENCE

SHEET 5 OF 15

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	PERMANENT SIGNING - LOT #67-40 (IH-94 & CTH F)	SHEET 161	E

2



LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
2. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
3. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
4. PAVEMENT MARKING ARROWS TYPE 1
5. PAVEMENT MARKING ARROWS TYPE 2
6. PAVEMENT MARKING SYMBOLS (HANDICAP)
7. PAVEMENT MARKING WORDS EPOXY (ONLY)
8. PAVEMENT MARKING CURB EPOXY (YELLOW)
9. PAVEMENT MARKING CURB RAMP EPOXY (YELLOW)
10. PAVEMENT MARKING STOP LINE EPOXY 18-INCH
11. PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
12. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (WHITE)
13. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (PARKING ISLANDS 5.0' C-C, 45° STRIPPING, WHITE)
14. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (HANDICAP ISLANDS 2' C-C, 45° STRIPPING, WHITE)
15. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	PAVEMENT MARKING - LOT #67-40 (IH-94 & CTH F)	SHEET 162	E

FILE NAME : N:\PDS\C3D\CAD\10000400\024503_PM.DWG PLOT DATE : 6/28/2016 1:41 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
2. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
3. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
4. PAVEMENT MARKING ARROWS TYPE 1
5. PAVEMENT MARKING ARROWS TYPE 2
6. PAVEMENT MARKING SYMBOLS (HANDICAP)
7. PAVEMENT MARKING WORDS EPOXY (ONLY)
8. PAVEMENT MARKING CURB EPOXY (YELLOW)
9. PAVEMENT MARKING CURB RAMP EPOXY (YELLOW)
10. PAVEMENT MARKING STOP LINE EPOXY 18-INCH
11. PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
12. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (WHITE)
13. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (PARKING ISLANDS 5.0' C-C, 45° STRIPPING, WHITE)
14. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (HANDICAP ISLANDS 2' C-C, 45° STRIPPING, WHITE)
15. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	PAVEMENT MARKING - LOT #67-40 (IH-94 & CTH F)	SHEET 163	E

2



WORK:
1. REMOVE AND REPLACE FENCE.

*NOTE: DEPLOY PCMS BOARD 14 DAYS PRIOR TO START OF WORK.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	TRAFFIC CONTROL - S1 - LOT #67-40 (IH-94 & CTH F)	SHEET	E

FILE NAME : N:\PDS\C3D\CAD\10000400\026013_S1.DWG PLOT DATE : 7/29/2016 1:37 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	TRAFFIC CONTROL - S1 - LOT #67-40 (IH-94 & CTH F)	SHEET 165	E

2



WORK:
1. PAVEMENT MARKING IN WORK ZONE AREA.
2. PERMANENT SIGNING IN WORK ZONE AREA.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	TRAFFIC CONTROL - S2 - LOT #67-40 (IH-94 & CTH F)	SHEET 166	E

2

2

CTH F

IH-94 EB ON-RAMP

N

WORK:
1. PAVEMENT MARKING IN WORK ZONE AREA.
2. PERMANENT SIGNING IN WORK ZONE AREA.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	TRAFFIC CONTROL - S2 - LOT #67-40 (IH-94 & CTH F)	SHEET 167	E

2

2

LOT 67-45 - IH 94 & CTH G

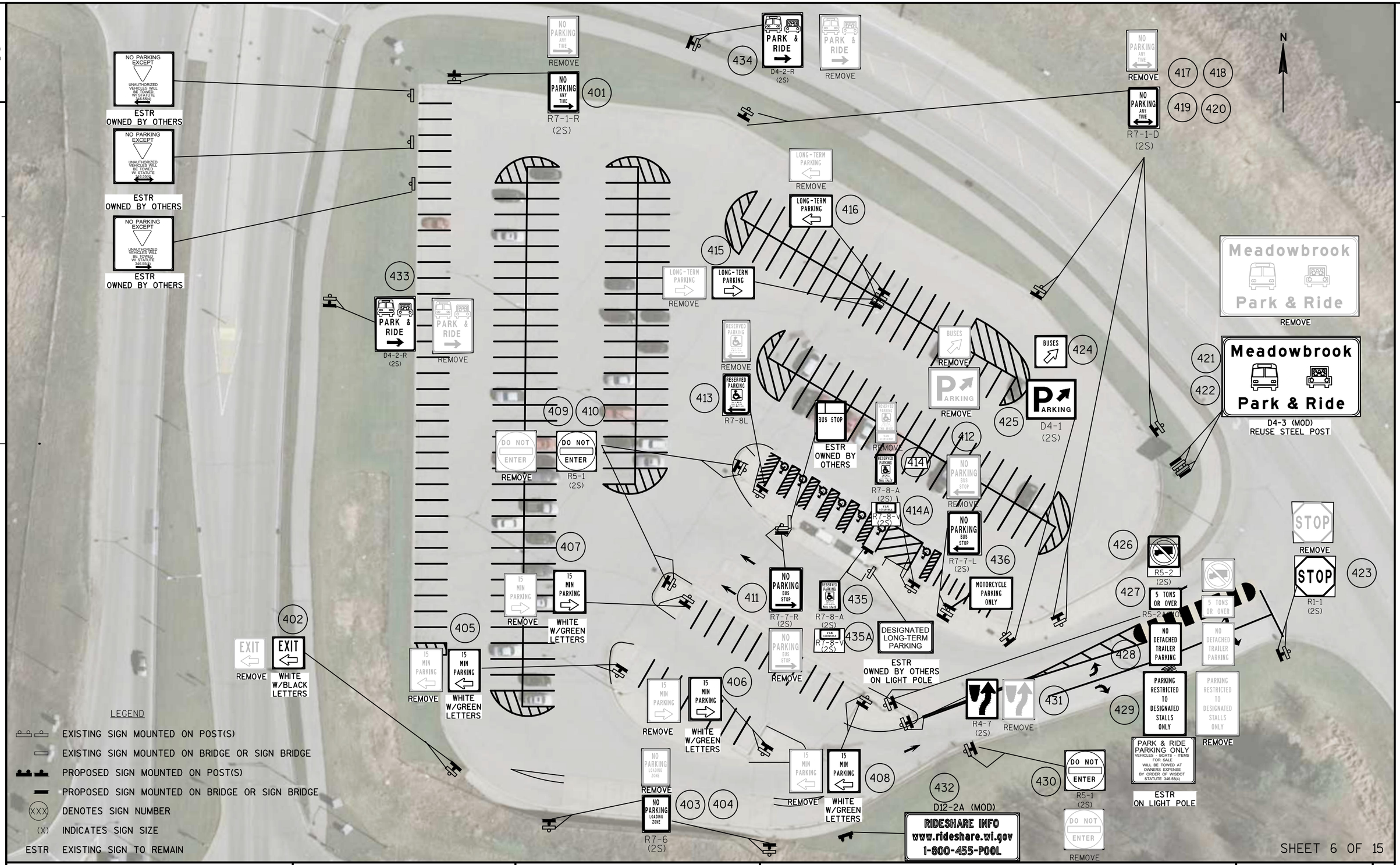
SIGNING PLAN

PAVEMENT MARKING

TRAFFIC CONTROL

PROJECT NO: 1000-04-70	**HWY: NON-HWY – VARIOUS P & R**	**COUNTY: SE REGION - WIDE**	**LOT 67-45**	**SHEET:** 168	**E**

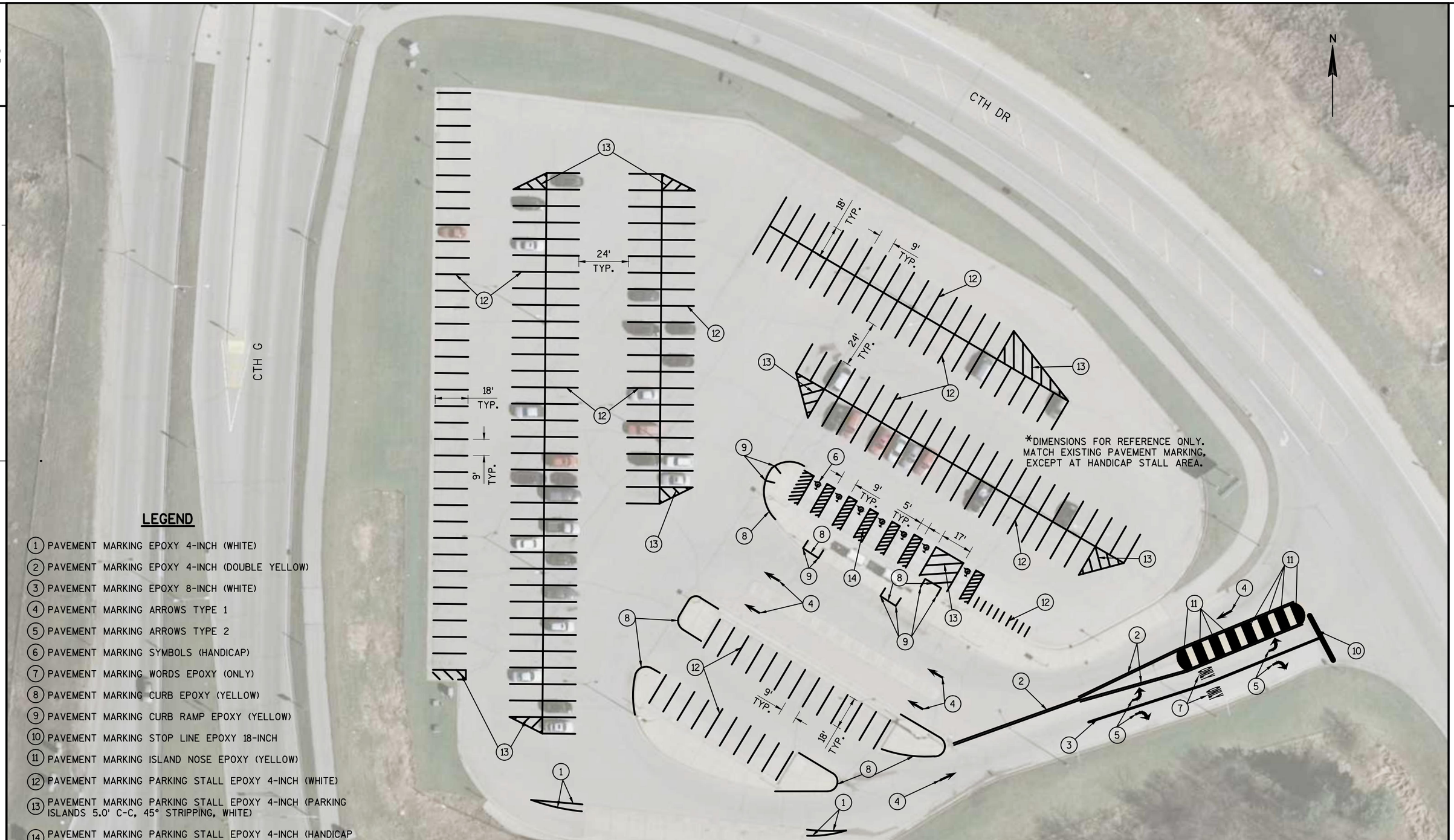
FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	PERMANENT SIGNING - LOT #67-45 (IH-94 & CTH G)	SHEET 169	E

FILE NAME : N:\PDS\C3D\CAD\10000400\PERMANENT SIGNING\023205_PS.DWG PLOT DATE : 7/25/2016 8:23 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

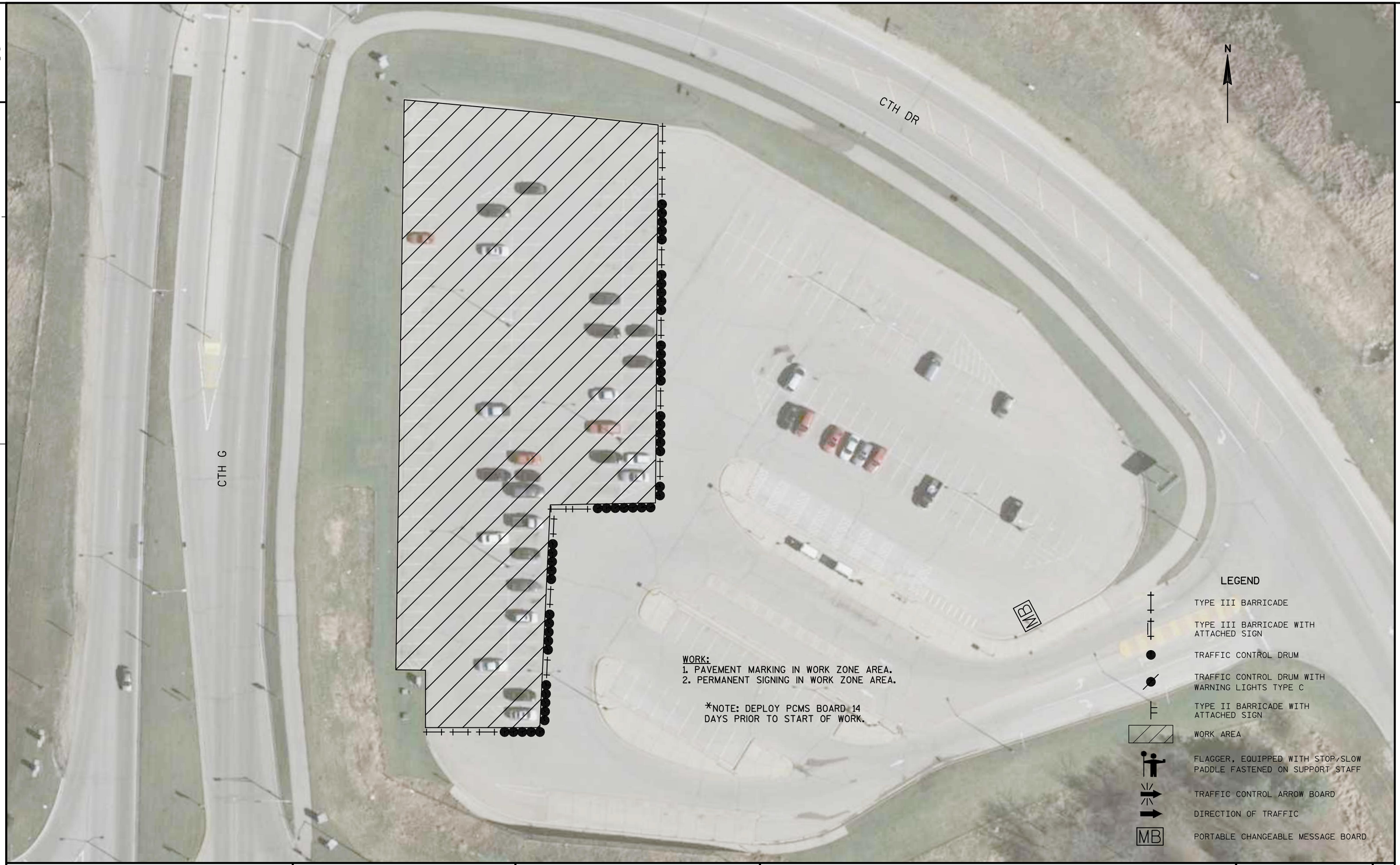


LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
2. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
3. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
4. PAVEMENT MARKING ARROWS TYPE 1
5. PAVEMENT MARKING ARROWS TYPE 2
6. PAVEMENT MARKING SYMBOLS (HANDICAP)
7. PAVEMENT MARKING WORDS EPOXY (ONLY)
8. PAVEMENT MARKING CURB EPOXY (YELLOW)
9. PAVEMENT MARKING CURB RAMP EPOXY (YELLOW)
10. PAVEMENT MARKING STOP LINE EPOXY 18-INCH
11. PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
12. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (WHITE)
13. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (PARKING ISLANDS 5.0' C-C, 45° STRIPPING, WHITE)
14. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (HANDICAP ISLANDS 2' C-C, 45° STRIPPING, WHITE)
15. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	PAVEMENT MARKING - LOT #67-45 (IH-94 & CTH G)	SHEET 170	E

2



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	TRAFFIC CONTROL - S1 - LOT #67-45 (IH-94 & CTH G)	SHEET 171	E

2

N

CTH DR

CTH G

CONTINUE THIS PATTERN OF SIGNS THROUGHOUT TEMPORARY HANDICAP PARKING AREA

R7-1-D (2S)

R7-8-A (2S)

TEMPORARY HANDICAP PARKING AREA

MB

WORK:
1. REMOVE PAVEMENT MARKING FOR HANDICAP PARKING THAT IS LOCATED IN WORK ZONE AREA.
2. PAVEMENT MARKING IN WORK ZONE AREA.
3. PERMANENT SIGNING IN WORK ZONE AREA.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHTS TYPE C
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONTROL ARROW BOARD
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	TRAFFIC CONTROL - S2 - LOT #67-45 (IH-94 & CTH G)	SHEET 172	E

2



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	TRAFFIC CONTROL - S3 - LOT #67-45 (IH-94 & CTH G)	SHEET 173	E

2

LOT 67-75 - STH 16 & CTH P

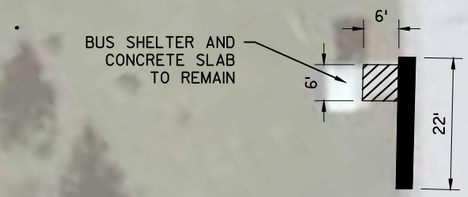
REMOVAL PLAN
PLAN DETAIL
EROSION CONTROL
SIGNING PLAN
PAVEMENT MARKING
TRAFFIC CONTROL

PROJECT NO: 1000-04-70	**HWY: NON-HWY – VARIOUS P & R**	**COUNTY: SE REGION - WIDE**	**LOT 67-75**	**SHEET:** 174	**E**

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

2

CTH P

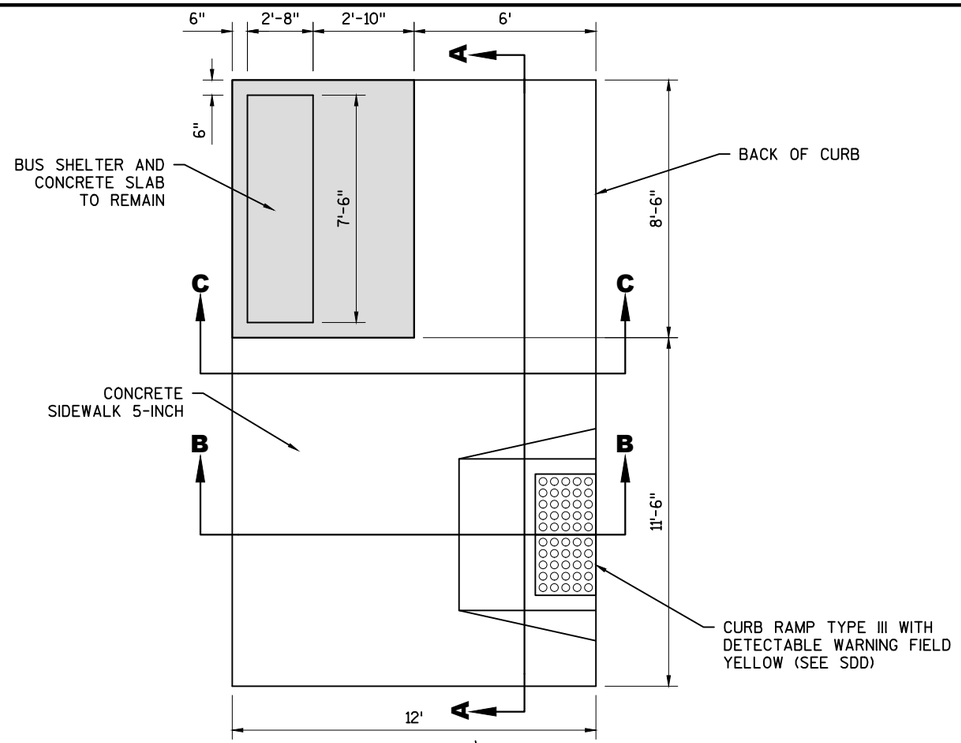


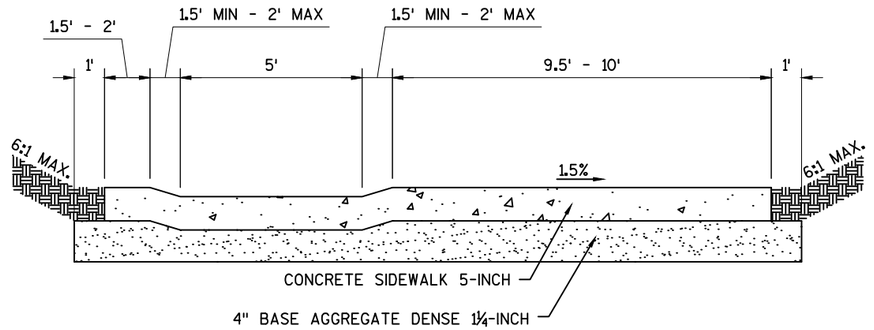
LEGEND

- PULVERIZE AND RELAY
- POTENTIAL EBS AREA
- APPROX. EXTENT OF CONTAMINATED SOIL
- REMOVING ASPHALTIC SURFACE BUTT JOINT (SEE DETAIL)
- REMOVING CONCRETE SIDEWALK
- REMOVING CONCRETE CURB & GUTTER

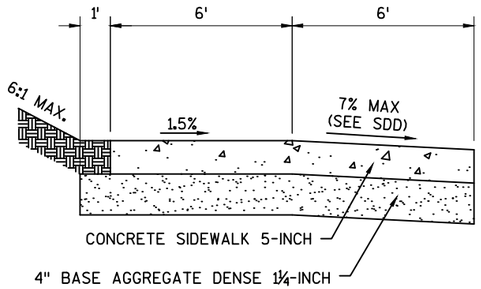
PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	REMOVAL PLAN - LOT #67-75 (STH 16 & CTH P)	SHEET 175	E

FILE NAME : N:\PDS\C3D\CAD\10000400\021157_RM.DWG PLOT DATE : 7/6/2016 1:41 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 0.039809
WISDOT/CADDS SHEET 42

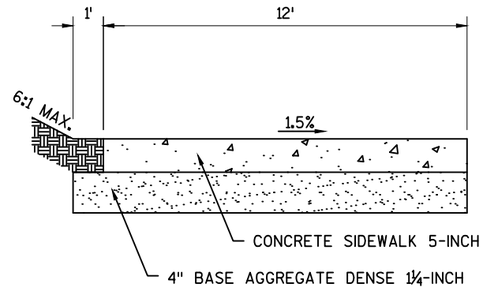




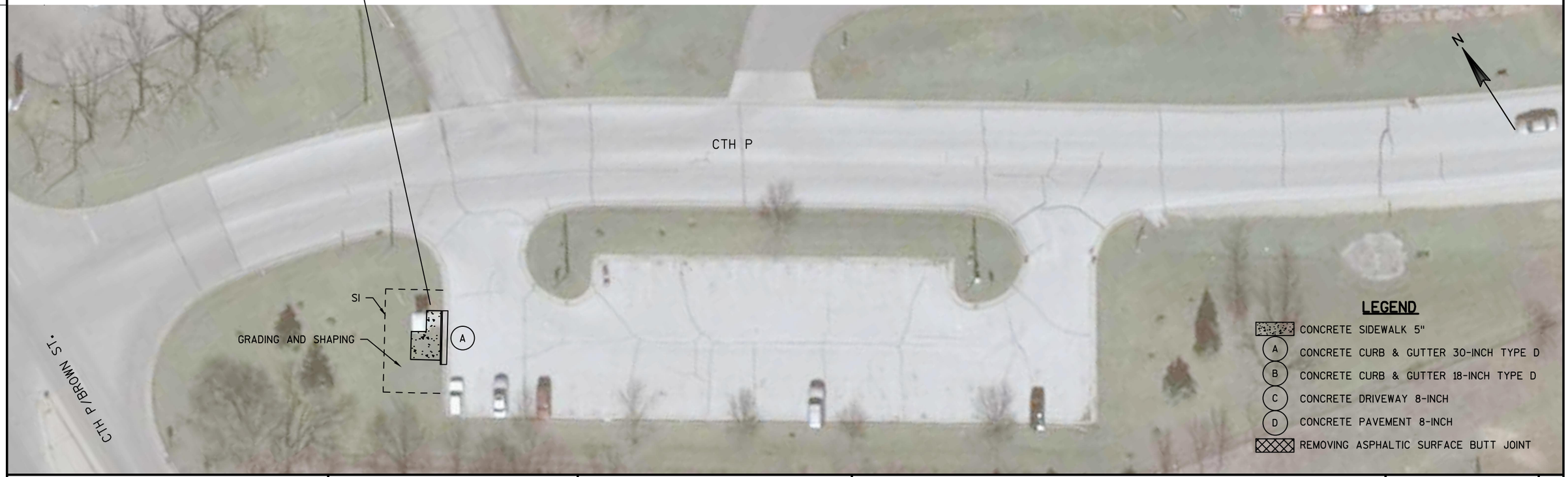
SECTION A-A



SECTION B-B



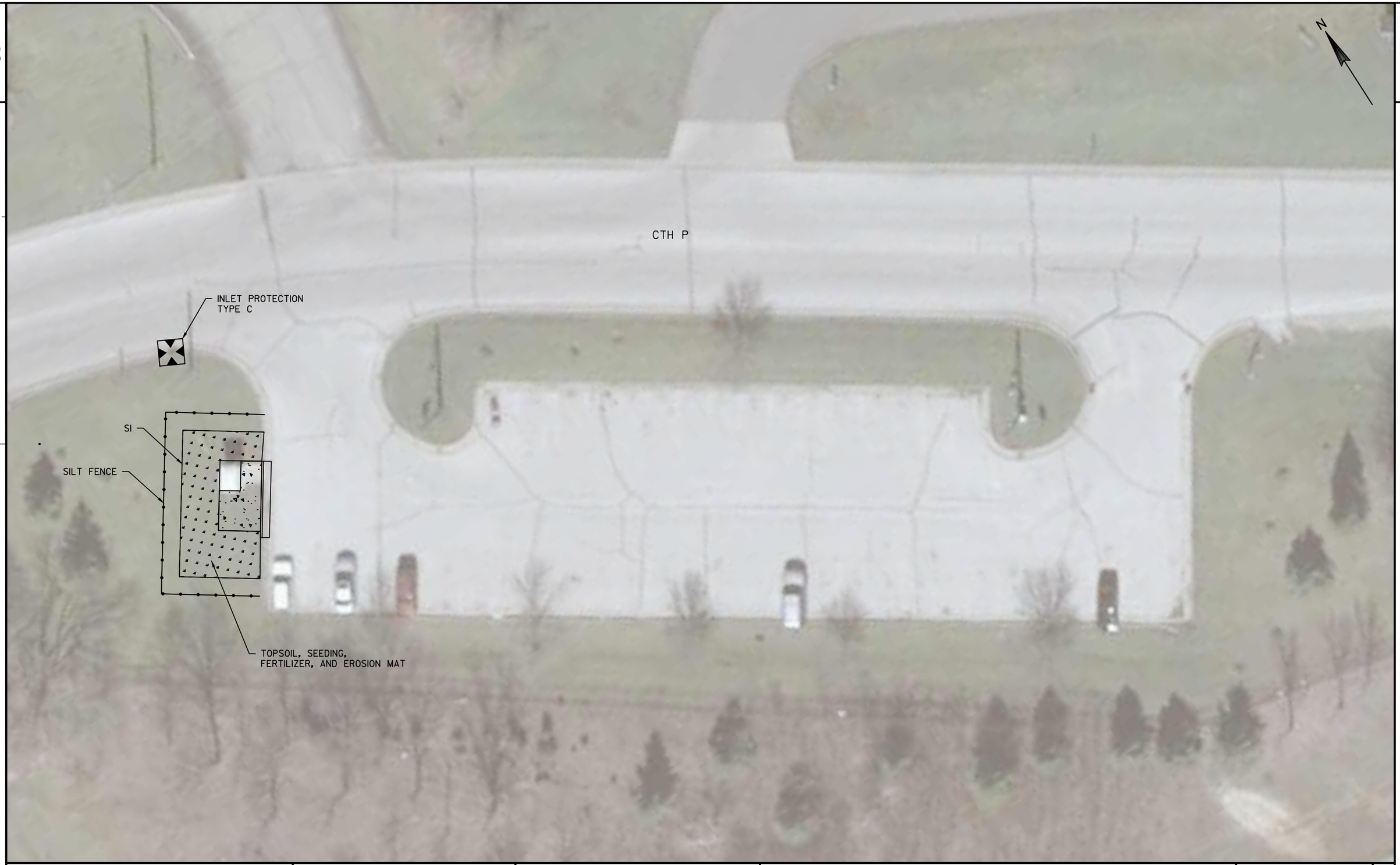
SECTION C-C



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	PLAN DETAIL - LOT #67-75 (STH 16 & CTH P)	SHEET	E

FILE NAME : N:\PDS\C3D\CAD\10000400\021207_PD.DWG PLOT DATE : 7/27/2016 2:36 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	EROSION CONTROL - LOT #67-75 (STH 16 & CTH P)	SHEET 177	E

2

PARKING REGULATIONS
1) No tractor trailer parking anytime
2) 48 hour maximum parking
3) violators will be fined and/or towed

Waukesha County Code Sec. 27-8

PARK & RIDE
PARKING ONLY
VEHICLES - BOATS - ITEMS FOR SALE WILL BE TOWED AT OWNERS EXPENSE BY ORDER OF WISDOT STATUTE 346.55(4)

N49
W35899

ESTR
OWNED BY
OTHERS

204

STOP
R1-1 (2S)

RIDESHARE
INFO CALL
1-800-455-POOL

RIDESHARE INFO
www.rideshare.wi.gov
1-800-455-POOL

D12-2A (MOD)

201

PARKING
RESTRICTED
TO
DESIGNATED
STALLS
ONLY

REMOVE

PARKING
RESTRICTED
TO
DESIGNATED
STALLS
ONLY

ON LIGHT
POLE

202

STOP
R1-1 (2S)

205

WELCOME
TO VILLAGE OF
OKAUCHEE

ESTR
OWNED BY OTHERS
CONTACT OWNERS
TO MOVE IF
NECESSARY

PARKING REGULATIONS
1) No tractor trailer parking anytime
2) 48 hour maximum parking
3) violators will be fined and/or towed

Waukesha County Code Sec. 27-8

ESTR
OWNED BY OTHERS
CONTACT OWNERS
TO MOVE IF
NECESSARY

206 207

206A 207A

RESERVED PARKING
VAN ACCESSIBLE

R7-8-A(2S)

VAN ACCESSIBLE

R7-8-V(2S)

NO LOITERING
VIOLATORS WILL BE PROSECUTED

ESTR
OWNED BY OTHERS
BLACK W/WHITE LETTERS
CONTACT OWNERS TO
MOVE IF NECESSARY

N

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

SHEET 3 OF 15

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	PERMANENT SIGNING - LOT #67-75 (STH 16 & CTH P)	SHEET 178	E

2

CTH P

CTH P/BROWN ST.

STH 16 WB OFF-RAMP

10

10

12

*DIMENSIONS FOR REFERENCE ONLY.
MATCH EXISTING PAVEMENT MARKING,
EXCEPT AT HANDICAP STALL AREA.

3' 8' 8' 8'

14

6

18' TYP.

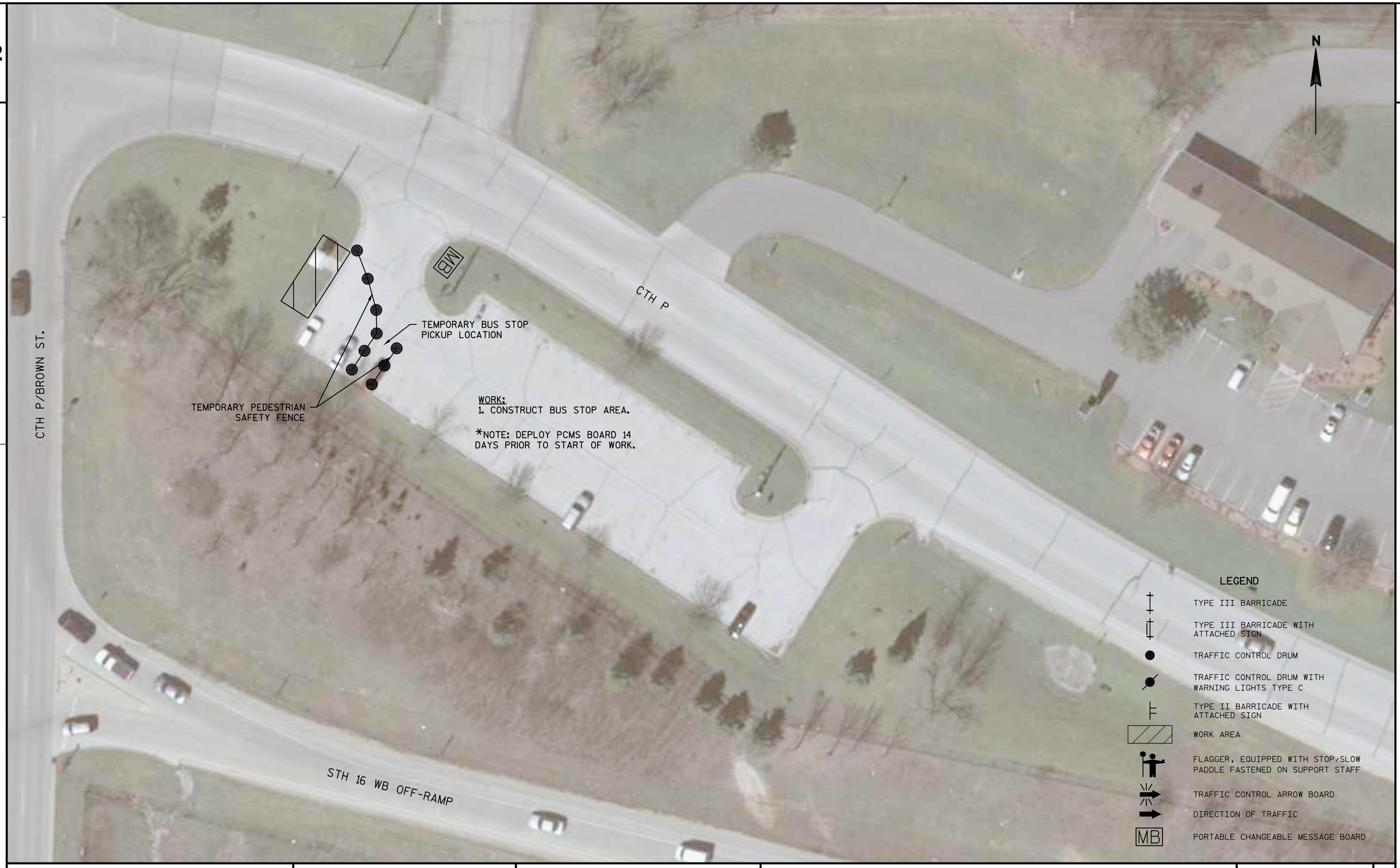
9' TYP.

N

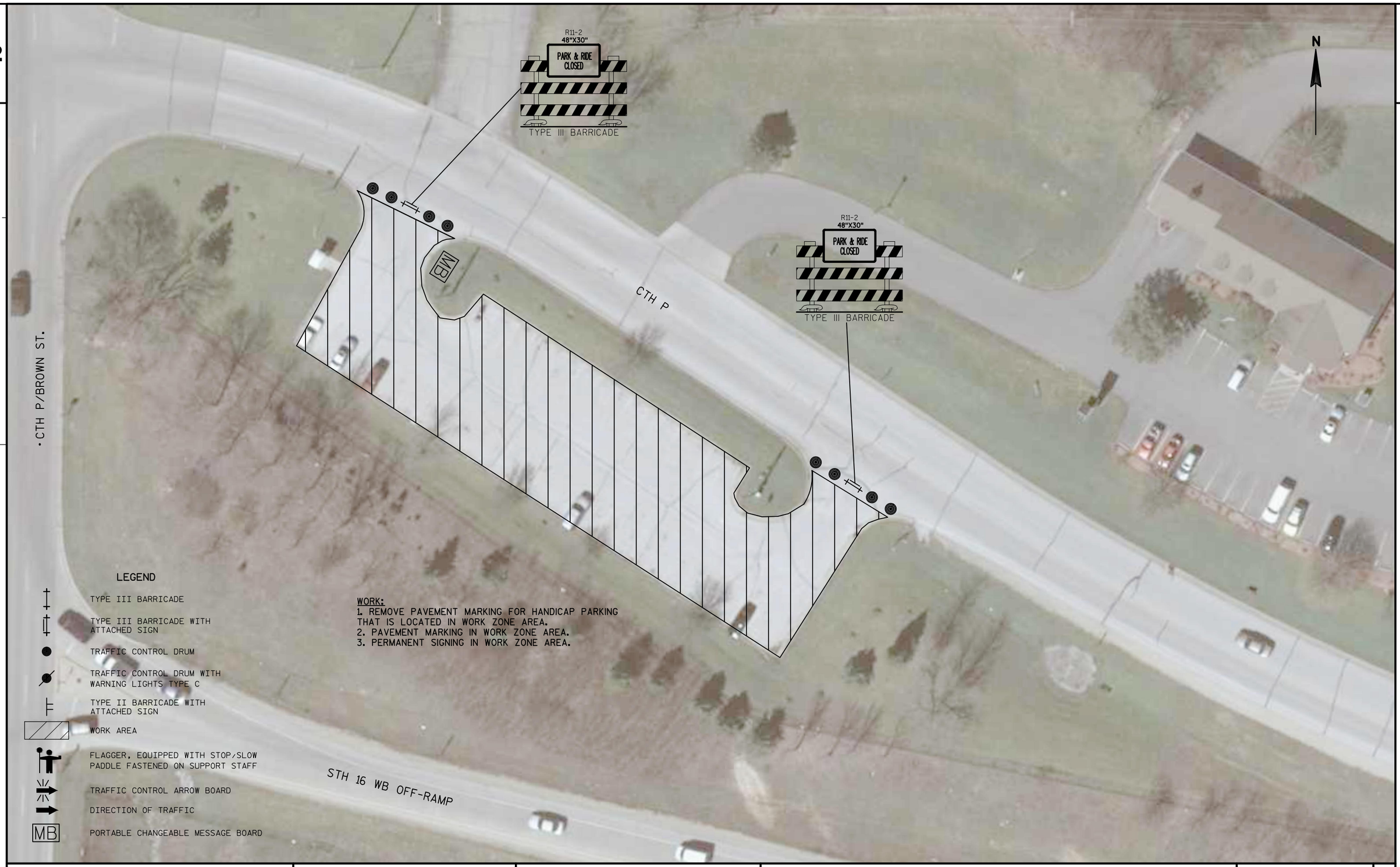
LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
2. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
3. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
4. PAVEMENT MARKING ARROWS TYPE 1
5. PAVEMENT MARKING ARROWS TYPE 2
6. PAVEMENT MARKING SYMBOLS (HANDICAP)
7. PAVEMENT MARKING WORDS EPOXY (ONLY)
8. PAVEMENT MARKING CURB EPOXY (YELLOW)
9. PAVEMENT MARKING CURB RAMP EPOXY (YELLOW)
10. PAVEMENT MARKING STOP LINE EPOXY 18-INCH
11. PAVEMENT MARKING ISLAND NOSE EPOXY (YELLOW)
12. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (WHITE)
13. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (PARKING ISLANDS 5.0' C-C, 45° STRIPPING, WHITE)
14. PAVEMENT MARKING PARKING STALL EPOXY 4-INCH (HANDICAP ISLANDS 2' C-C, 45° STRIPPING, WHITE)
15. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	PAVEMENT MARKING - LOT #67-75 (STH 16 & CTH P)	SHEET 179	E



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	TRAFFIC CONTROL - S1 - LOT #67-75 (STH 16 & CTH P)	SHEET 180	E



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WAUKESHA	TRAFFIC CONTROL - S2 - LOT #67-75 (STH 16 & CTH P)	SHEET 181	E

DATE 16SEP16 — E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1000-04-70 QUANTITY
0010	108.4400	CPM Progress Schedule	EACH	1.000	1.000
0020	201.0120	Clearing	ID	3.000	3.000
0030	201.0220	Grubbing	ID	3.000	3.000
0040	203.0100	Removing Small Pipe Culverts	EACH	1.000	1.000
0050	204.0115	Removing Asphaltic Surface Butt Joints	SY	1,423.000	1,423.000
0060	204.0150	Removing Curb & Gutter	LF	1,138.000	1,138.000
0070	204.0155	Removing Concrete Sidewalk	SY	251.000	251.000
0080	204.0170	Removing Fence	LF	1,060.000	1,060.000
0090	204.0180	Removing Delineators and Markers	EACH	11.000	11.000
0100	204.0190	Removing Surface Drains	EACH	1.000	1.000
0110	204.0195	Removing Concrete Bases	EACH	2.000	2.000
0120	204.0205	Removing Utility Poles	EACH	1.000	1.000
0130	204.9060.S	Removing (item description) 01. APRON ENDWALLS	EACH	1.000	1.000
0140	204.9060.S	Removing (item description) 02. 2-POST BIKE RACK	EACH	1.000	1.000
0150	204.9060.S	Removing (item description) 03. DISCONTINUED PAYPHONE POLE	EACH	1.000	1.000
0160	204.9060.S	Removing (item description) 04. DISCONTINUED PAYPHONE STUB	EACH	1.000	1.000
0170	204.9060.S	Removing (item description) 05. BOLLARD	EACH	1.000	1.000
0180	205.0100	Excavation Common	CY	2,604.000	2,604.000
0190	205.0501.S	Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	TON	100.000	100.000
0200	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 1000-04-70	LS	1.000	1.000
0210	213.0100	Finishing Roadway (project) 01. 1000-04-70	EACH	1.000	1.000
0220	305.0110	Base Aggregate Dense 3/4-Inch	TON	201.000	201.000
0230	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	3,031.000	3,031.000
0240	311.0110	Breaker Run	TON	26.000	26.000
0250	325.0100	Pulverize and Relay	SY	16,281.000	16,281.000
0260	390.0201	Base Patching Asphaltic	TON	25.000	25.000
0270	415.0080	Concrete Pavement 8-Inch	SY	271.000	271.000
0280	416.0180	Concrete Driveway 8-Inch	SY	125.000	125.000
0290	416.0610	Drilled Tie Bars	EACH	37.000	37.000
0300	416.1010	Concrete Surface Drains	CY	6.000	6.000
0310	416.1725	Concrete Pavement Replacement SHES	SY	206.000	206.000
0320	455.0605	Tack Coat	GAL	2,271.000	2,271.000
0330	460.5223	HMA Pavement 3 LT 58-28 S	TON	680.800	680.800
0340	460.5224	HMA Pavement 4 LT 58-28 S	TON	5,947.600	5,947.600
0350	465.0315	Asphaltic Flumes	SY	29.000	29.000
0360	521.0118	Culvert Pipe Corrugated Steel 18-Inch	LF	12.000	12.000
0370	521.1018	Apron Endwalls for Culvert Pipe Steel 18-Inch	EACH	2.000	2.000
0380	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	1.000	1.000
0390	523.0414	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 14x23-Inch	LF	90.000	90.000
0400	523.0514	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 14x23-Inch	EACH	4.000	4.000
0410	601.0150	Concrete Curb Integral Type D	LF	541.000	541.000
0420	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	48.000	48.000
0430	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	804.000	804.000

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DATE 16SEP16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1000-04-70 QUANTITY
0440	602.0410	Concrete Sidewalk 5-Inch	SF	7,273.000	7,273.000
0450	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	104.000	104.000
0460	606.0100	Riprap Light	CY	12.000	12.000
0470	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	23.500	23.500
0480	611.0430	Reconstructing Inlets	EACH	1.000	1.000
0490	611.0645	Inlet Covers Type MS-A	EACH	1.000	1.000
0500	611.3901	Inlets Median 1 Grate	EACH	1.000	1.000
0510	611.8115	Adjusting Inlet Covers	EACH	2.000	2.000
0520	612.0104	Pipe Underdrain 4-Inch	LF	778.000	778.000
0530	612.0804	Apron Endwalls for Underdrain Reinforced Concrete 4-Inch	EACH	2.000	2.000
0540	616.0100	Fence Woven Wire (height) 01. 4-FT	LF	58.000	58.000
0550	616.0206	Fence Chain Link 6-FT	LF	889.000	889.000
0560	619.1000	Mobilization	EACH	1.000	1.000
0570	620.0300	Concrete Median Sloped Nose	SF	30.000	30.000
0580	625.0100	Topsoil	SY	6,928.000	6,928.000
0590	628.1104	Erosion Bales	EACH	50.000	50.000
0600	628.1504	Silt Fence	LF	2,726.000	2,726.000
0610	628.1520	Silt Fence Maintenance	LF	2,181.000	2,181.000
0620	628.1905	Mobilizations Erosion Control	EACH	7.000	7.000
0630	628.1910	Mobilizations Emergency Erosion Control	EACH	7.000	7.000
0640	628.2006	Erosion Mat Urban Class I Type A	SY	6,928.000	6,928.000
0650	628.7010	Inlet Protection Type B	EACH	3.000	3.000
0660	628.7015	Inlet Protection Type C	EACH	16.000	16.000
0670	628.7504	Temporary Ditch Checks	LF	120.000	120.000
0680	628.7555	Culvert Pipe Checks	EACH	24.000	24.000
0690	628.7570	Rock Bags	EACH	54.000	54.000
0700	629.0210	Fertilizer Type B	CWT	4.000	4.000
0710	630.0130	Seeding Mixture No. 30	LB	124.000	124.000
0720	633.0200	Delineators Flexible	EACH	11.000	11.000
0730	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	185.000	185.000
0740	634.0816	Posts Tubular Steel 2x2-Inch X 16-FT	EACH	32.000	32.000
0750	635.0200	Sign Supports Structural Steel HS	LB	1,000.000	1,000.000
0760	635.0300	Sign Supports Replacing Base Connection Bolts	EACH	6.000	6.000
0770	636.0100	Sign Supports Concrete Masonry	CY	1.600	1.600
0780	636.0500	Sign Supports Steel Reinforcement	LB	98.000	98.000
0790	637.1220	Signs Type I Reflective SH	SF	600.000	600.000
0800	637.2210	Signs Type II Reflective H	SF	1,030.820	1,030.820
0810	637.2215	Signs Type II Reflective H Folding	SF	10.000	10.000
0820	637.2230	Signs Type II Reflective F	SF	16.000	16.000
0830	638.2101	Moving Signs Type I	EACH	1.000	1.000
0840	638.2102	Moving Signs Type II	EACH	5.000	5.000
0850	638.2601	Removing Signs Type I	EACH	6.000	6.000
0860	638.2602	Removing Signs Type II	EACH	173.000	173.000
0870	638.3000	Removing Small Sign Supports	EACH	162.000	162.000
0880	638.3100	Removing Structural Steel Sign Supports	EACH	2.000	2.000
0890	642.5001	Field Office Type B	EACH	1.000	1.000
0900	643.0100	Traffic Control (project) 01. 1000-04-70	EACH	1.000	1.000
0910	643.0300	Traffic Control Drums	DAY	5,248.000	5,248.000
0920	643.0410	Traffic Control Barricades Type II	DAY	668.000	668.000
0930	643.0420	Traffic Control Barricades Type III	DAY	2,316.000	2,316.000

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DATE 16SEP16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1000-04-70 QUANTITY
0940	643.0715	Traffic Control Warning Lights Type C	DAY	45.000	45.000
0950	643.0800	Traffic Control Arrow Boards	DAY	2.000	2.000
0960	643.0900	Traffic Control Signs	DAY	1,243.000	1,243.000
0970	643.0910	Traffic Control Covering Signs Type I	EACH	5.000	5.000
0980	643.0920	Traffic Control Covering Signs Type II	EACH	23.000	23.000
0990	643.1050	Traffic Control Signs PCMS	DAY	338.000	338.000
1000	644.1616.S	Temporary Pedestrian Safety Fence	LF	1,199.000	1,199.000
1010	645.0130	Geotextile Type R	SY	75.000	75.000
1020	646.0106	Pavement Marking Epoxy 4-Inch	LF	2,262.000	2,262.000
1030	646.0126	Pavement Marking Epoxy 8-Inch	LF	672.000	672.000
1040	646.0600	Removing Pavement Markings	LF	602.000	602.000
1050	647.0156	Pavement Marking Arrows Epoxy Type 1	EACH	45.000	45.000
1060	647.0166	Pavement Marking Arrows Epoxy Type 2	EACH	12.000	12.000
1070	647.0256	Pavement Marking Symbols Epoxy	EACH	71.000	71.000
1080	647.0356	Pavement Marking Words Epoxy	EACH	8.000	8.000
1090	647.0456	Pavement Marking Curb Epoxy	LF	2,616.000	2,616.000
1100	647.0506	Pavement Marking Curb Ramp Epoxy	LF	140.000	140.000
1110	647.0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	401.000	401.000
1120	647.0606	Pavement Marking Island Nose Epoxy	EACH	8.000	8.000
1130	647.0656	Pavement Marking Parking Stall Epoxy	LF	64,014.000	64,014.000
1140	647.0766	Pavement Marking Crosswalk Epoxy 6-Inch	LF	152.000	152.000
1150	647.0955	Removing Pavement Markings Arrows	EACH	2.000	2.000
1160	647.0960	Removing Pavement Markings Symbols	EACH	32.000	32.000
1170	650.4000	Construction Staking Storm Sewer	EACH	1.000	1.000
1180	650.6000	Construction Staking Pipe Culverts	EACH	2.000	2.000
1190	650.8500	Construction Staking Electrical Installations (project) 01. 1000-04-70	LS	1.000	1.000
1200	650.9910	Construction Staking Supplemental Control (project) 01. 1000-04-70	LS	1.000	1.000
1210	650.9920	Construction Staking Slope Stakes	LF	1,669.000	1,669.000
1220	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	1,165.000	1,165.000
1230	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	140.000	140.000
1240	652.0800	Conduit Loop Detector	LF	142.000	142.000
1250	653.0135	Pull Boxes Steel 24x36-Inch	EACH	1.000	1.000
1260	653.0140	Pull Boxes Steel 24x42-Inch	EACH	5.000	5.000
1270	653.0905	Removing Pull Boxes	EACH	4.000	4.000
1280	654.0105	Concrete Bases Type 5	EACH	2.000	2.000
1290	654.0230	Concrete Control Cabinet Bases Type L30	EACH	1.000	1.000
1300	655.0610	Electrical Wire Lighting 12 AWG	LF	882.000	882.000
1310	655.0620	Electrical Wire Lighting 8 AWG	LF	1,210.000	1,210.000
1320	655.0625	Electrical Wire Lighting 6 AWG	LF	3,315.000	3,315.000
1330	655.0640	Electrical Wire Lighting 1 AWG	LF	18.000	18.000
1340	655.0700	Loop Detector Lead In Cable	LF	261.000	261.000
1350	655.0800	Loop Detector Wire	LF	284.000	284.000
1360	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. HL-66-KW	LS	1.000	1.000
1370	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	2.000	2.000
1380	657.0322	Poles Type 5-Aluminum	EACH	7.000	7.000
1390	657.0610	Luminaire Arms Single Member 4 1/2-Inch Clamp 6-FT	EACH	7.000	7.000
1400	659.1125	Luminaires Utility LED C	EACH	43.000	43.000

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DATE 16SEP16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1000-04-70 QUANTITY
1410	659.2230	Lighting Control Cabinets 240/480 30-Inch	EACH	1.000	1.000
1420	690.0150	Sawing Asphalt	LF	2,304.000	2,304.000
1430	690.0250	Sawing Concrete	LF	270.000	270.000
1440	SPV.0060	Special 01. SALVAGING BUS SHELTER	EACH	3.000	3.000
1450	SPV.0060	Special 02. SALVAGING BICYCLE LOCKER	EACH	3.000	3.000
1460	SPV.0060	Special 03. CLEANING INLETS	EACH	2.000	2.000
1470	SPV.0060	Special 04. CONNECTING PIPE UNDERDRAIN 4-INCH TO EXISTING INLET	EACH	3.000	3.000
1480	SPV.0060	Special 11. REMOVING LUMINAIRES	EACH	43.000	43.000
1490	SPV.0060	Special 12. LAMP DISPOSAL HIGH INTENSITY DISCHARGE	EACH	43.000	43.000
1500	SPV.0060	Special 13. CONCRETE BASES TYPE 5 SPECIAL	EACH	5.000	5.000
1510	SPV.0060	Special 14. POST TOP LUMINAIRES UTILITY LED	EACH	7.000	7.000
1520	SPV.0105	Special 01. REMOVE LOOP DETECTOR WIRE AND LEAD-IN CABLE IH 94 WB OFF RAMP & CTH Y	LS	1.000	1.000
1530	SPV.0105	Special 11. LIGHTING SYSTEM SURVEY	LS	1.000	1.000
1540	SPV.0165	Special 01. CONSTRUCTION STAKING SIDEWALK	SF	5,370.000	5,370.000
1550	SPV.0180	Special 01. CONSTRUCTION STAKING PARKING LOTS SUBGRADE	SY	4,787.000	4,787.000
1560	SPV.0180	Special 02. CONSTRUCTION STAKING PARKING LOTS BASE	SY	21,284.000	21,284.000
1570	SPV.0180	Special 03. CONSTRUCTION STAKING PARKING LOTS CONCRETE PAVEMENT & DRIVEWAYS	SY	332.000	332.000
1580	SPV.0180	Special 04. RESIN BINDER HIGH FRICTION SURFACE TREATMENT	SY	483.000	483.000

CPM PROGRESS SCHEDULE

LOCATION	108.4400 EACH
ENTIRE PROJECT	1
TOTAL	1

CLEARING

LOT NO.	LOCATION	201.0120 ID
LOT #45-60	STH 32 & CTH LL	3
TOTAL		3

GRUBBING

LOT NO.	LOCATION	201.0220 ID
LOT #45-60	STH 32 & CTH LL	3
TOTAL		3

REMOVING ASPHALTIC SURFACE BUTT JOINTS

LOT NO.	LOCATION	204.0115 SY
LOT #40-70	IH-41 & GOOD HOPE RD	325
LOT #45-20	IH-43 & CTH C	751
LOT #45-60	STH 32 & CTH LL	347
TOTAL		1423

REMOVING DELINEATORS AND MARKERS

LOT NO.	LOCATION	204.0180 EACH
LOT #40-85	IH-43 & BROWN DEER RD	11
TOTAL		11

REMOVING SURFACE DRAINS

LOT NO.	LOCATION	204.0190 EACH
LOT #67-35	IH-94 & BARKER RD	1
TOTAL		1

REMOVING CONCRETE BASES

LOT NO.	LOCATION	204.0195 EACH
LOT #45-20	IH-43 & CTH C	2
TOTAL		2

REMOVING UTILITY POLES

LOT NO.	LOCATION	204.0205 EACH
LOT #67-40	IH-94 & CTH F	1
TOTAL		1

REMOVING (2-POST BIKE RACK)

LOT NO.	LOCATION	204.9060.S.02 EACH
LOT #45-20	IH-43 & CTH C	1
TOTAL		1

REMOVING (DISCONTINUED PAYPHONE POLE)

LOT NO.	LOCATION	204.9060.S.03 EACH
LOT #45-20	IH-43 & CTH C	1
TOTAL		1

REMOVING (DISCONTINUED PAYPHONE STUB)

LOT NO.	LOCATION	204.9060.S.04 EACH
LOT #40-70	IH-41 & GOOD HOPE RD	1
TOTAL		1

REMOVING (BOLLARD)

LOT NO.	LOCATION	204.9060.S.05 EACH
LOT #45-60	STH 32 & CTH LL	1
TOTAL		1

NOTE: UNLESS OTHERWISE NOTED ALL ITEMS ARE CAT 0010

Lot No.	Location	Common Excavation (1)	(item # 205.0100)	Salvaged/Unusable Pavement Material (4)	Available Material (5)	Reduced EBS in Fill (9)	Expanded EBS Backfill (11)	Unexpanded Fill	Expanded Fill (13)	Mass Ordinate +/- (14)	Waste
		Cut (2)	EBS Excavation (3)			Factor 0.80	Factor 1.30		Factor 1.30		
Lot 40-55	Entire Lot	468	150	468	0	120	195	0	0	0	150
Lot 45-20	Entire Lot	159		38	121	0	0	58	75	46	46
Lot 45-60	Entire Lot	304			304	0	0	183	238	66	66
Lot 66-50	Entire Lot	1260			1260	0	0	350	455	805	805
Lot 67-35	Entire Lot	257		257	0	0	0	0	0	0	0
Lot 67-75	Bus Stop	6			6	0	0	0	0	6	6
Grand Total		2454	150	763	1691	120	195	591	768	923	1073
		Total Common Exc	2604								

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) EBS Excavation to be backfilled with crushed aggregate base course.
4) Salvaged/Unusable Pavement Material
5) Available Material = Cut - Salvaged/Unusuable Pavement Material
9) Reduced EBS in Fill - Excavated EBS material is usuable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
11) Expanded EBS Backfill - This is to be filled with Select Borrow material. EBS Backfill Factor = 1.3. Item number 208.11
13) Expanded Fill. Factor = 1.25
Depending on selections: **Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor**
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced EBS) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor) * Fill Factor
14) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the

EXCAVATION, HAULING, AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL

LOT NO.	LOCATION	205.0501.S TON
LOT #40-55	IH-94 & 76TH ST	100
	TOTAL	100

NOTE: UNLESS OTHERWISE NOTED ALL ITEMS ARE CAT 0010

FINISHING ROADWAY (1000-04-70)

LOT NO.	LOCATION	213.0100 EACH
LOT #40-55	IH-94 & 76TH ST	0.15
LOT #40-70	IH-41 & GOOD HOPE RD	0.15
LOT #45-20	IH-43 & CTH C	0.15
LOT #45-60	STH 32 & CTH LL	0.15
LOT #66-50	IH-41 & CTH K	0.15
LOT #40-30	IH-94 & RYAN RD	0.02
LOT #40-85	IH-43 & BROWN DEER RD	0.02
LOT #67-35	IH-94 & BARKER RD	0.10
LOT #67-40	IH-94 & CTH F	0.04
LOT #67-45	IH-94 & CTH G	0.02
LOT #67-75	STH 16 & CTH P	0.05
	TOTAL	1

PREPARE FOUNDATION FOR ASPHALTIC PAVING (1000-04-70)

LOT NO.	LOCATION	211.0100 LS
LOT #40-55	IH-94 & 76TH ST	0.25
LOT #40-70	IH-41 & GOOD HOPE RD	0.25
LOT #45-20	IH-43 & CTH C	0.25
LOT #45-60	STH 32 & CTH LL	0.25
	TOTAL	1

BASE PATCHING ASPHALTIC

LOCATION	390.0201 TON	REMARKS
PROJECT WIDE	25	UNDISTRIBUTED
TOTAL	25	

BASE AGGREGATE

LOT NO.	LOCATION	BASE AGGREGATE DENSE 3/4-INCH 305.0110 TON	BASE AGGREGATE DENSE 1 1/4-INCH 305.0120 TON	BREAKER RUN 311.0110 TON	REMARKS
LOT #40-55	IH-94 & 76TH ST	--	300	--	Fill for possible EBS
LOT #40-70	IH-41 & GOOD HOPE RD	--	1	--	Fill for removed pullbox
LOT #45-20	IH-43 & CTH C	38	211	--	--
LOT #45-60	STH 32 & CTH LL	22	239	--	--
LOT #45-60	STH 32 & CTH LL	--	227	--	Gravel Patch to the NE
LOT #66-50	IH-41 & CTH K	33	204	--	3" Pavement Area
LOT #66-50	IH-41 & CTH K	96	1523	--	5" Pavment Area
LOT #66-50	IH-41 & CTH K	--	--	6	Permanent Ditch Check
LOT #67-35	IH-94 & BARKER RD	12	--	--	See Plan Detail
LOT #67-35	IH-94 & BARKER RD	--	321	--	Asphalt Drainage Repair
LOT #67-35	IH-94 & BARKER RD	--	--	20	Sinkhole
LOT #67-75	STH 16 & CTH P	--	5	--	Bus stop area
	TOTAL	201	3031	26	

NOTE: UNLESS OTHERWISE NOTED ALL ITEMS ARE CAT 0010

CONCRETE PAVEMENT

LOT NO.	LOCATION	CONCRETE PAVEMENT 8-INCH 415.0080 SY	CONCRETE DRIVEWAY 8-INCH 416.0180 SY	DRILLED TIE BARS 416.0610 EACH	CONCRETE PAVEMENT REPLACEMENT SHES 416.1725 SY	CONSTRUCTION STAKING PARKING LOTS CONCRETE PAVEMENT & DRIVEWAYS SPV.0180.03 SY
LOT #45-20	IH-43 & CTH C	60	--	--	--	60
LOT #45-60	STH 32 & CTH LL	87	125	37	--	212
LOT #66-50	IH-41 & CTH K	60	--	--	--	60
LOT #67-35	IH-94 & BARKER RD	64	--	--	206	--
	TOTAL	271	125	37	206	332

CONCRETE SURFACE DRAINS

LOT NO.	LOCATION	416.1010 CY
LOT #45-20	IH-43 & CTH C	3
LOT #67-35	IH-94 & BARKER RD	3
	TOTAL	6

ASPHALTIC ITEMS

LOT NO.	LOCATION	PULVERIZE AND RELAY 325.0100 SY	TACK COAT 455.0605 GAL	HMA PAVEMENT 3 LT 58-28 S 460.5223 TON	HMA PAVEMENT 4 LT 58-28 S 460.5224 TON	REMARKS
LOT #40-55	IH-94 & 76TH ST	13465	943	--	3231.7	4" PAVEMENT
LOT #40-70	IH-41 & GOOD HOPE RD	--	413	--	707.8	2" PAVEMENT
LOT #45-20	IH-43 & CTH C	--	445	--	762.1	2" PAVEMENT
LOT #45-20	IH-43 & CTH C	--	9	--	39.4	5" PAVEMENT
LOT #45-60	STH 32 & CTH LL	2816	260	--	778.5	3.5" PAVEMENT
LOT #66-50	IH-41 & CTH K	--	--	680.8	--	3" PAVEMENT
LOT #66-50	IH-41 & CTH K	--	152	--	261.2	2" PAVEMENT
LOT #67-35	IH-94 & BARKER RD	--	49	--	166.9	4" PAVEMENT
	TOTAL	16281	2271	680.8	5947.6	

ASPHALTIC FLUMES

LOT NO.	LOCATION	465.0315 SY
LOT #40-70	IH-41 & GOOD HOPE RD	5
LOT #45-60	STH 32 & CTH LL	3
LOT #67-35	IH-94 & BARKER RD	21
	TOTAL	29

NOTE: UNLESS OTHERWISE NOTED ALL ITEMS ARE CAT 0010

3

CULVERT PIPES

LOT NO.	LOCATION	REMOVING SMALL PIPE CULVERTS 203.0100 EACH	REMOVING (APRON ENDWALLS) 204.9060.S.01 EACH	CULVERT PIPE CORRUGATED STEEL 18-INCH 521.0118 LF	APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH 521.1018 EACH	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH 522.1015 EACH	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 14X23-INCH 523.0414 LF	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 14X23-INCH 523.0514 EACH	CONSTRUCTION STAKING PIPE CULVERTS 650.6000 EACH
LOT #45-20	IH-43 & CTH C	--	--	12	2	--	--	--	--
LOT #66-50	IH-41 & CTH K	1	--	--	--	--	90	4	2
LOT #67-35	IH-94 & BARKER RD	--	1	--	--	1	--	--	--
	TOTAL	1	1	12	2	1	90	4	2

CURB & GUTTER

LOT NO.	LOCATION	REMOVING CURB & GUTTER 204.0150 LF	CONCRETE CURB INTEGRAL TYPE D 601.0150 LF	CONCRETE CURB & GUTTER 18-INCH TYPE D 601.0407 LF	CONCRETE CURB & GUTTER 30-INCH TYPE D 601.0411 LF
LOT #40-55	IH-94 & 76TH ST	18	--	--	18
LOT #40-70	IH-41 & GOOD HOPE RD	36	--	20	--
LOT #45-20	IH-43 & CTH C	--	67	--	--
LOT #45-60	STH 32 & CTH LL	326	123	--	326
LOT #66-50	IH-41 & CTH K	--	67	--	--
LOT #67-35	IH-94 & BARKER RD	736	284	28	438
LOT #67-75	STH 16 & CTH P	22	--	--	22
	TOTAL	1138	541	48	804

CONCRETE SIDEWALK

LOT NO.	LOCATION	REMOVING CONCRETE SIDEWALK 204.0155 SY	CONCRETE SIDEWALK 5-INCH 602.0410 SF	CURB RAMP DETECTABLE WARNING FIELD YELLOW 602.0505 SF	CONSTRUCTION STAKING SIDEWALK SPV.0165.01 SF
LOT #40-70	IH-41 & GOOD HOPE RD	52	466	16	--
LOT #45-20	IH-43 & CTH C	19	737	8	737
LOT #45-60	STH 32 & CTH LL	37	3896	24	3896
LOT #66-50	IH-41 & CTH K	--	737	8	737
LOT #67-35	IH-94 & BARKER RD	139	1250	40	--
LOT #67-75	STH 16 & CTH P	4	187	8	--
	TOTAL	251	7273	104	5370

RIPRAP LIGHT

LOT NO.	LOCATION	606.0100 CY
LOT #40-70	IH-41 & GOOD HOPE RD	2
LOT #45-20	IH-43 & CTH C	6
LOT #67-35	IH-94 & BARKER RD	4
	TOTAL	12

NOTE: UNLESS OTHERWISE NOTED ALL ITEMS ARE CAT 0010

STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH

LOT NO.	LOCATION	PIPE	FROM	TO	INVERT ELEVATION	DISCHARGE ELEVATION	SLOPE	608.0312 LF	REMARKS
LOT #45-60	STH 32 & CTH LL	P-1	1	2	716.50	716.22	-1.19%	23.5	CONNECT TO EXISTING INLET 2
							TOTAL	23.5	

							STORM SEWER		
							INLET COVERS TYPE MS-A 611.0645	INLETS MEDIAN 1 GRATE 611.3901	CONSTRUCTION STAKING STORM SEWER 650.4000
LOT NO.	LOCATION	STRUCTURE	STATION	LOCATION	GRATE ELEVATION	DEPTH (FT)	EACH	EACH	EACH
LOT #45-60	STH 32 & CTH LL	1	34+65	67' RT	720.30	3.80	1	1	1
						TOTAL	1	1	1

RECONSTRUCTING INLETS

LOT NO.	LOCATION	611.0430 EACH
LOT #40-55	IH-94 & 76TH ST	1
	TOTAL	1

ADJUSTING INLET COVERS

LOT NO.	LOCATION	611.8115 EACH
LOT #45-60	STH 32 & CTH LL	2
	TOTAL	2

PIPE UNDERDRAIN 4-INCH

LOT NO.	LOCATION	612.0104 LF	REMARKS
LOT #45-60	STH 32 & CTH LL	544	
LOT #66-50	IH-41 & CTH K	44	Ditch Checks
LOT #67-35	IH-94 & BARKER RD	190	
	TOTAL	778	

APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 4-INCH

LOT NO.	LOCATION	612.0804 EACH
LOT #67-35	IH-94 & BARKER RD	1
LOT #45-60	STH 32 & CTH LL	1
	TOTAL	2

NOTE: UNLESS OTHERWISE NOTED ALL ITEMS ARE CAT 0010

3

FENCE

LOT NO.	LOCATION	REMOVING FENCE 204.0170 LF	FENCE WOVEN WIRE (4-FT) 616.0100 LF	FENCE CHAIN LINK 6-FT 616.0206 LF
LOT #45-20	IH-43 & CTH C	113	--	--
LOT #45-60	STH 32 & CTH LL	58	58	--
LOT #67-40	IH-94 & CTH F	889	--	889
	TOTAL	1060	58	889

MOBILIZATION

LOT NO.	LOCATION	619.1000 EACH
LOT #40-55	IH-94 & 76TH ST	0.15
LOT #40-70	IH-41 & GOOD HOPE RD	0.15
LOT #45-20	IH-43 & CTH C	0.15
LOT #45-60	STH 32 & CTH LL	0.15
LOT #66-50	IH-41 & CTH K	0.15
LOT #40-30	IH-94 & RYAN RD	0.02
LOT #40-85	IH-43 & BROWN DEER RD	0.02
LOT #67-35	IH-94 & BARKER RD	0.10
LOT #67-40	IH-94 & CTH F	0.04
LOT #67-45	IH-94 & CTH G	0.02
LOT #67-75	STH 16 & CTH P	0.05
	TOTAL	1

CONCRETE MEDIAN SLOPED NOSE

LOT NO.	LOCATION	620.0300 SF
LOT #40-70	IH-41 & GOOD HOPE RD	30
	TOTAL	30

3

EROSION CONTROL

LOT NO.	LOCATION	TOPSOIL 625.0100 SY	EROSION BALES 628.1104 EACH	SILT FENCE 628.1504 LF	SILT FENCE MAINTENANCE 628.1520 LF	MOBILIZATIONS EROSION CONTROL 628.1905 EACH	MOBILIZATIONS EMERGENCY EROSION CONTROL 628.1910 EACH	EROSION MAT URBAN CLASS I TYPE A 628.2006 SY	INLET PROTECTION TYPE B 628.7010 EACH	INLET PROTECTION TYPE C 628.7015 EACH	TEMPORARY DITCH CHECKS 628.7504 LF	CULVERT PIPE CHECKS 628.7555 EACH	ROCK BAGS 628.7570 EACH	FERTILIZER TYPE B 629.0210 CWT	SEEDING MIXTURE NO. 30 630.0130 LB
LOT #40-55	IH-94 & 76TH ST	--	--	313	313	1	1	--	2	4	--	--	--	--	--
LOT #40-70	IH-41 & GOOD HOPE RD	--	--	--	--	1	1	--	--	--	--	6	36	--	--
LOT #45-20	IH-43 & CTH C	581	--	650	650	1	1	581	--	--	20	6	12	0.3	10
LOT #45-60	STH 32 & CTH LL	1783	--	316	316	1	1	1783	1	7	--	--	--	1.0	32
LOT #66-50	IH-41 & CTH K	3099	--	687	687	1	1	3099	--	--	70	12	--	1.7	56
LOT #67-35	IH-94 & BARKER RD	--	--	107	107	1	1	--	--	4	30	--	6	--	--
LOT #67-75	STH 16 & CTH P	79	--	108	108	1	1	79	--	1	--	--	--	0.0	1
UNDISTRIBUTED		1386	50	545	--	--	--	1386	--	--	--	--	--	1.0	25
	TOTAL	6928	50	2726	2181	7	7	6928	3	16	120	24	54	4.0	124

DELINEATORS FLEXIBLE

LOT NO.	LOCATION	633.0200 EACH
LOT #40-85	IH-43 & BROWN DEER RD	11
	TOTAL	11

FIELD OFFICE TYPE B

LOT NO.	LOCATION	642.5001 EACH
LOT #45-20	IH-43 & CTH C	1
	TOTAL	1

GEOTEXTILE FABRIC TYPE R

LOT NO.	LOCATION	645.0130 SY
LOT #45-20	IH-43 & CTH C	24
LOT #67-35	IH-94 & BARKER RD	51
	TOTAL	75

NOTE: UNLESS OTHERWISE NOTED ALL ITEMS ARE CAT 0010

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			TRAFFIC CONTROL									
LOT NO.	LOCATION	DAYS	TRAFFIC CONTROL (1000-04-70) 643.0100 EACH	TRAFFIC CONTROL DRUMS 643.0300 DAY	TRAFFIC CONTROL BARRICADES TYPE II 643.0410 DAY	TRAFFIC CONTROL BARRICADES TYPE III 643.0420 DAY	TRAFFIC CONTROL WARNING LIGHTS TYPE C 643.0715 DAY	TRAFFIC CONTROL ARROW BOARDS 643.0800 DAY	TRAFFIC CONTROL SIGNS 643.0900 DAY	TRAFFIC CONTROL SIGNS PCMS 643.1050 DAY	TEMPORARY PEDESTRIAN SAFETY FENCE 644.1616.S LF	REMARKS
LOT #40-55	IH-94 & 76TH ST	24	0.12	96	120	552	--	--	168	39	1120	--
LOT #40-70	IH-41 & GOOD HOPE RD	12	0.07	96	120	48	--	--	144	26	--	STAGE 1A
LOT #40-70	IH-41 & GOOD HOPE RD	1	0.08	38	14	7	15	1	19	1	--	STAGE 1B
LOT #45-20	IH-43 & CTH C	18	0.12	360	108	54	--	--	126	32	--	--
LOT #45-60	STH 32 & CTH LL	27	0.07	675	162	297	--	--	297	41	--	STAGE 1
LOT #45-60	STH 32 & CTH LL	1	0.08	56	3	12	30	1	15	1	--	STAGE 2
LOT #66-50	IH-41 & CTH K	33	0.12	957	132	198	--	--	198	47	--	--
LOT #40-30	IH-94 & RYAN RD	2	0.01	110	--	40	--	--	--	16	--	STAGE 1
LOT #40-30	IH-94 & RYAN RD	2	0.01	158	--	56	--	--	--	2	--	STAGE 2
LOT #40-30	IH-94 & RYAN RD	2	0.01	114	--	32	--	--	--	2	--	STAGE 3
LOT #40-30	IH-94 & RYAN RD	2	0.01	--	--	8	--	--	16	2	--	STAGE 4
LOT #40-85	IH-43 & BROWN DEER RD	2	0.01	96	--	32	--	--	--	16	--	STAGE 1
LOT #40-85	IH-43 & BROWN DEER RD	2	0.01	144	--	46	--	--	--	2	--	STAGE 2
LOT #40-85	IH-43 & BROWN DEER RD	2	0.01	132	--	56	--	--	24	2	--	STAGE 3
LOT #40-85	IH-43 & BROWN DEER RD	3	0.01	--	--	--	--	--	--	3	--	STAGE 4
LOT #67-35	IH-94 & BARKER RD	7	0.04	469	7	301	--	--	77	21	--	STAGE 1
LOT #67-35	IH-94 & BARKER RD	2	0.04	20	2	4	--	--	2	2	--	STAGE 2
LOT #67-35	IH-94 & BARKER RD	5	0.04	655	--	305	--	--	130	5	--	STAGE 3
LOT #67-35	IH-94 & BARKER RD	3	0.01	78	--	30	--	--	--	3	--	STAGE 4
LOT #67-35	IH-94 & BARKER RD	3	0.01	324	--	69	--	--	--	3	--	STAGE 5
LOT #67-35	IH-94 & BARKER RD	4	0.01	176	--	72	--	--	--	4	--	STAGE 6
LOT #67-40	IH-94 & CTH F	6	0.02	234	--	--	--	--	--	20	--	STAGE 1
LOT #67-40	IH-94 & CTH F	3	0.02	6	--	3	--	--	3	3	--	STAGE 2
LOT #67-45	IH-94 & CTH G	2	0.01	98	--	30	--	--	--	16	--	STAGE 1
LOT #67-45	IH-94 & CTH G	2	0.01	70	--	56	--	--	16	2	--	STAGE 2
LOT #67-45	IH-94 & CTH G	3	0.01	--	--	--	--	--	--	3	--	STAGE 3
LOT #67-75	STH 16 & CTH P	6	0.02	54	--	--	--	--	--	20	79	STAGE 1
LOT #67-75	STH 16 & CTH P	4	0.02	32	--	8	--	--	8	4	--	STAGE 2
	TOTAL		1	5248	668	2316	45	2	1243	338	1199	

NOTE: UNLESS OTHERWISE NOTED ALL ITEMS ARE CAT 0010

3

		COVERING SIGNS		
		TRAFFIC CONTROL COVERING SIGNS TYPE I 643.0910	TRAFFIC CONTROL COVERING SIGNS TYPE II 643.0920	
LOT NO.	LOCATION	EACH	EACH	REMARKS
LOT #40-55	IH-94 & 76TH ST	2	14	1 CYCLE
LOT #40-70	IH-41 & GOOD HOPE RD	--	5	1 CYCLE
LOT #45-20	IH-43 & CTH C	2	2	1 CYCLE
LOT #45-60	STH 32 & CTH LL	1	2	1 CYCLE
	TOTAL	5	23	

		PAVEMENT MARKING														
		PAVEMENT MARKING EPOXY 4-INCH 646.0106	PAVEMENT MARKING EPOXY 8-INCH 646.0126	REMOVING PAVEMENT MARKINGS 646.0600	PAVEMENT MARKING ARROWS EPOXY TYPE 1 647.0156	PAVEMENT MARKING ARROWS EPOXY TYPE 2 647.0166	PAVEMENT MARKING SYMBOLS EPOXY 647.0256	PAVEMENT MARKING WORDS EPOXY 647.0356	PAVEMENT MARKING CURB EPOXY 647.0456	PAVEMENT MARKING CURB RAMP EPOXY 647.0506	PAVEMENT MARKING STOP LINE EPOXY 18-INCH 647.0566	PAVEMENT MARKING ISLAND NOSE EPOXY 647.0606	PAVEMENT MARKING PARKING STALL EPOXY 647.0656	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH 647.0766	REMOVING PAVEMENT MARKINGS ARROWS 647.0955	REMOVING PAVEMENT MARKINGS SYMBOLS 647.0960
LOT NO.	LOCATION	LF	LF	LF	EACH	EACH	EACH	EACH	LF	LF	LF	EACH	LF	LF	EACH	EACH
LOT #40-55	IH-94 & 76TH ST	56	--	--	--	--	14	--	--	--	16	--	10955	--	--	--
LOT #40-70	IH-41 & GOOD HOPE RD	212	--	--	--	--	6	--	--	--	68	--	3722	--	--	--
LOT #45-20	IH-43 & CTH C	120	--	--	6	--	5	--	--	--	25	--	3775	--	--	--
LOT #45-60	STH 32 & CTH LL	--	--	204	--	--	5	--	--	--	42	--	2588	104	--	--
LOT #66-50	IH-41 & CTH K	--	--	--	--	--	3	--	--	--	52	--	1692	--	--	--
LOT #40-30	IH-94 & RYAN RD	122	192	152	--	2	8	2	764	60	42	--	9682	48	--	8
LOT #40-85	IH-43 & BROWN DEER RD	994	188	40	--	2	8	2	1114	30	28	--	8289	--	--	6
LOT #67-35	IH-94 & BARKER RD	--	157	--	33	4	9	2	438	20	37	--	13797	--	2	9
LOT #67-40	IH-94 & CTH F	--	--	134	--	--	4	--	--	--	25	--	1998	--	--	2
LOT #67-45	IH-94 & CTH G	758	135	18	6	4	7	2	300	30	27	8	6578	--	--	7
LOT #67-75	STH 16 & CTH P	--	--	54	--	--	2	--	--	--	39	--	938	--	--	--
	TOTAL	2262	672	602	45	12	71	8	2616	140	401	8	64014	152	2	32

NOTE: UNLESS OTHERWISE NOTED ALL ITEMS ARE CAT 0010

3

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (1000-04-70)

LOCATION	650.9910 LS
ENTIRE PROJECT	1
TOTAL	1

SAWING CONCRETE

LOT NO.	LOCATION	690.0250 LF	REMARKS
LOT #40-55	IH-94 & 76TH ST	8	Curb Cuts
LOT #40-70	IH-41 & GOOD HOPE RD	10	Curb Cuts
LOT #45-60	STH 32 & CTH LL	49	Curb & Sidewalk Cuts
LOT #67-35	IH-94 & BARKER RD	198	
LOT #67-75	STH 16 & CTH P	5	Curb Cuts
TOTAL		270	

CONSTRUCTION STAKING SLOPE STAKES

LOT NO.	LOCATION	650.9920 LF
LOT #45-20	IH-43 & CTH C	444
LOT #45-60	STH 32 & CTH LL	452
LOT #66-50	IH-41 & CTH K	773
TOTAL		1669

SAWING ASPHALT

LOT NO.	LOCATION	690.0150 LF
LOT #40-55	IH-94 & 76TH ST	511
LOT #40-70	IH-41 & GOOD HOPE RD	113
LOT #45-20	IH-43 & CTH C	578
LOT #45-60	STH 32 & CTH LL	357
LOT #67-35	IH-94 & BARKER RD	745
TOTAL		2304

SALVAGING BUS SHELTER

LOT NO.	LOCATION	SPV.0060.01 EACH
LOT #40-70	IH-41 & GOOD HOPE RD	1
LOT #45-20	IH-43 & CTH C	1
LOT #45-60	STH 32 & CTH LL	1
TOTAL		3

REMOVING PULL BOXES

LOT NO.	LOCATION	653.0905 * EACH
LOT #40-70	IH-41 & GOOD HOPE RD	1
TOTAL		1

SALVAGING BICYCLE LOCKER

LOT NO.	LOCATION	SPV.0060.02 EACH	REMARKS
LOT #45-20	IH-43 & CTH C	1	
LOT #45-60	STH 32 & CTH LL	1	
LOT #67-35	IH-94 & BARKER RD	1	Bicycle rack paid as bicycle locker
TOTAL		3	

NOTE: UNLESS OTHERWISE NOTED ALL ITEMS ARE CAT 0010

3

CLEANING INLETS

LOT NO.	LOCATION	SPV.0060.03 EACH
LOT #40-55	IH-94 & 76TH ST	2
	TOTAL	2

CONNECTING PIPE UNDERDRAIN 4-INCH TO EXISTING INLET

LOT NO.	LOCATION	SPV.0060.04 EACH
LOT #45-60	STH 32 & CTH LL	3
	TOTAL	3

CONSTRUCTION STAKING PARKING LOTS SUBGRADE

LOT NO.	LOCATION	SPV.0180.01 SY
LOT #66-50	IH-41 & CTH K	4787
	TOTAL	4787

CONSTRUCTION STAKING PARKING LOTS BASE

LOT NO.	LOCATION	SPV.0180.02 SY
LOT #40-55	IH-94 & 76TH ST	13465
LOT #45-60	STH 32 & CTH LL	3375
LOT #66-50	IH-41 & CTH K	4444
	TOTAL	21284

RESIN BINDER HIGH FRICTION SURFACE TREATMENT

LOT NO.	LOCATION	SPV.0180.04 SY
LOT #67-35	IH-94 & BARKER RD	483
	TOTAL	483

NOTE: UNLESS OTHERWISE NOTED ALL ITEMS ARE CAT 0010

IH-94 & CTH Y (BARKER RD)
WAUKESHA COUNTY
CATEGORY 0010
S67-0446

3

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION*	SIZE (FT)x(FT)	NO. OF TURNS	SDD INSTALLATION REFERENCE	652.0800 CONDUIT LOOP DETECTOR L.F.	655.0700 LOOP DETECTOR LEAD IN CABLE L.F.	655.0800 LOOP DETECTOR WIRE L.F.
71	PB15		6'x20'	2	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	74	146	148
72	PB3		6'x20'	2	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	68	115	136
					TOTAL	142	261	284

* LOCATION IS TO FRONT CENTER OF DETECTOR LOOP
* * FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

REMOVE PULL BOXES

PULL BOX NO.	*653.0905 REMOVING PULL BOXES EACH
PB15	1
PB16	1
PB17	1
TOTAL	3

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

REMOVE LOOP DETECTOR WIRE & LEAD-IN CABLE

LOCATION	SPV.0105.01 REMOVE LOOP DETECTOR WIRE & LEAD-IN CABLE L.S.
IH-94 WB OFF RAMP & CTH Y (BARKER RD)	1
TOTAL	1

CONDUIT

FROM	TO	*652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.
PB3	PB15	30
	TOTAL	30

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PULL BOXES

PULL BOX NO.	LOCATION*	653.0135 PULL BOXES STEEL 24x36-INCH EACH
PB15		1
	TOTAL	1

* FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

SHEET: 1 OF 1

CATEGORY 0010
LIGHTING REMOVALS

SPV.0060.11 REMOVING LUMINAIRES
SPV.0060.12 LAMP DISPOSAL HIGH INTENSITY DISCHARGE

SYSTEM	LOCATION	ITEM	SPV.0060.11 REMOVING LUMINAIRES	SPV.0060.12 LAMP DISPOSAL HIGH INTENSITY DISCHARGE	COMMENTS
			EACH	EACH	
HL-40-BQ	ABQ1/BBQ1	LUMINAIRE	2	2	LOT 40-85 (IH 43 AND BROWN DEER RD - PARK & RIDE)
HL-40-BQ	ABQ2/BBQ2	"	2	2	"
HL-40-BQ	ABQ3/BBQ3	"	2	2	"
HL-40-BQ	CBQ1	"	1	1	"
HL-40-BQ	DBQ2	"	1	1	"
HL-40-BQ	CBQ3	"	1	1	"
HL-40-BQ	EBQ1/FBQ1	"	2	2	"
HL-40-BQ	FBQ2	POST TOP LUMINAIRE	1	1	"
HL-40-BQ	FBQ3	"	1	1	"
HL-40-BQ	FBQ4	"	1	1	"
HL-40-BQ	FBQ5	"	1	1	"
HL-40-BQ	GBQ1	"	1	1	"
HL-40-BQ	GBQ2	"	1	1	"
HL-40-BQ	GBQ3	"	1	1	"
HL-40-WG	CWG1/DWG1	LUMINAIRE	2	2	LOT 40-70 (IH 41 AND GOOD HOPE RD - PARK & RIDE)
HL-40-WG	CWG2/DWG2	"	2	2	"
HL-40-WG	CWG3	"	1	1	"
HL-40-WG	CWG4	"	1	1	"
HL-40-WG	CWG5	"	1	1	"
HL-40-WG	CWG6	"	1	1	"
HL-40-SF	ASF1/BSF1	LUMINAIRE	2	2	LOT 40-55 (IH 94 AND 76TH ST - PARK & RIDE)
HL-40-SF	BSF2/ASF2	"	2	2	"
HL-40-SF	BSF3/ASF3	"	2	2	"
HL-40-SF	ASF4/BSF4	"	2	2	"
HL-40-SF	ASF5/BSF5	"	2	2	"
HL-40-SF	CSF6	"	1	1	"
HL-40-SF	CSF7/DSF7	"	2	2	"
HL-40-SF	DSF8/CSF8	"	2	2	"
HL-40-SF	CSF9/DSF9	"	2	2	"
TOTAL (1100)			**43**	**43**	

SHEET 1 OF 5

3

CATEGORY 0010
LIGHTING SYSTEM ITEMS

650.8500	CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (I.D. 1000-04-70)
654.0230	CONCRETE CONTROL CABINET BASES TYPE L30
655.0640	ELECTRICAL WIRE LIGHTING 1 AWG
656.0400	ELECTRICAL SERVICE MAIN LUGS ONLY METER PEDESTAL (HL-66-KW)
659.2230	LIGHTING CONTROL CABINETS 240/480 30-INCH
SPV.0105.11	LIGHTING SYSTEM SURVEY

SEQUENCE	LOCATION	650.8500 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (I.D. 1000-04-70)	654.0230 CONCRETE CONTROL CABINET BASES TYPE L30	655.0640 ELECTRICAL WIRE LIGHTING 1 AWG	656.0400 ELECTRICAL SERVICE MAIN LUGS ONLY METER PEDESTAL (HL-66-KW)	659.2230 LIGHTING CONTROL CABINETS 240/480 30-INCH	SPV.0105.11 LIGHTING SYSTEM SURVEY
		LS	EACH	LF	LS	EACH	LS
HL-66-KW	WASHINGTON COUNTY, IH 41 & CTH K, Lot 66-50 Sta.10+88, 10.31' RT	1	1	18	656.0400.01	1	1
	TOTAL (1100)	1	1	18	1	1	1

PLAQUE TEXT HL-66-KW
PARK & RIDE AT CTH K
480 VAC WARNING DECAL (METER PEDESTAL AND CABINET DOOR)

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CATEGORY 0010
LIGHTING BRANCH CIRCUIT CONDUIT

652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH
652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH

SYSTEM	LOCATION TO LOCATION	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	COMMENTS
HL-66-KW	HL-66-KW TO LPB 101 (2 3-INCH)	--	30	--
HL-66-KW	LPB 101 TO POLE 11+36.07	80	--	--
HL-66-KW	POLE 11+36.07 TO POLE 13+13.26	180	--	--
HL-66-KW	POLE 13+13.26 TO POLE 15+03.26	190	--	--
HL-66-KW	POLE 15+03.26 TO LPB 105	150	--	--
HL-66-KW	LPB 105 TO POLE 15+69.97	30	--	--
HL-66-KW	POLE 15+69.97 TO STUBOUT WEST	25	--	--
HL-66-KW	LPB 101 TO POLE 12+22.99	170	--	--
HL-66-KW	POLE 12+22.99 TO LPB 102	80	--	--
HL-66-KW	LPB 102 TO LPB 103	--	50	--
HL-66-KW	LPB 103 TO POLE 13+46.73	25	--	--
HL-66-KW	POLE 13+46.73 TO STUBOUT WEST	25	--	--
HL-66-KW	LPB 103 TO POLE 14+18.52	70	--	--
HL-66-KW	POLE 14+18.52 TO LPB 104	110	--	EMPTY CONDUIT
HL-66-KW	LPB 104 TO LPB 105	--	60	"
	TOTAL (1100)	1,135	140	

CATEGORY 0010
LIGHTING PULL BOX QUANTITIES

653.0140 PULL BOXES STEEL 24x42-INCH

SYSTEM	LOCATION	LABEL	653.0140 PULL BOXES STEEL 24X42-INCH
			EACH
HL-66-KW	10+81.11, 10.04' RIGHT	LPB 101	1
HL-66-KW	12+99.47, 40.00' LEFT	LPB 102	1
HL-66-KW	13+48.04, 37.00' LEFT	LPB 103	1
HL-66-KW	15+18.51, 34.34' LEFT	LPB 104	1
HL-66-KW	15+75.39, 32.05' LEFT	LPB 105	1
	TOTAL (1100)		5

CATEGORY 0010
LIGHTING WIRE QUANTITIES
240/480 VAC 3-WIRE ISOLATED NEUTRAL SYSTEM

655.0620 ELECTRICAL WIRE LIGTHING 8 AWG
655.0625 ELECTRICAL WIRE LIGHTING 6 AWG

SYSTEM	NETWORK	LOCATION TO LOCATION	DISTANCE	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG
				LF	LF
HL-66-KW	A/B/N/G	HL-66-KW TO LPB 101 TO POLE 11+36.07	95	115	345
HL-66-KW	A/B/N/G	POLE 11+36.07 TO POLE 13+13.26	180	190	570
HL-66-KW	A/B/N/G	POLE 13+13.26 TO POLE 15+03.26	190	200	600
HL-66-KW	B/N/G	POLE 15+03.26 TO LPB 105 TO POLE 15+69.97	180	200	400
HL-66-KW	C/D/N/G	HL-66-KW TO LPB 101 TO POLE 12+22.99	185	205	615
HL-66-KW	C/D/N/G	POLE 12+22.99 TO LPB 102 TO LPB 103 TO POLE 13+46.73	155	185	555
HL-66-KW	C/N/G	POLE 13+46.73 TO LPB 103 TO POLE 14+18.52	95	115	230
		TOTAL (1100)		1,210	3,315

CATEGORY 0010
LIGHT POLE QUANTITIES

654.0105	CONCRETE BASES TYPE 5
655.0610	ELECTRICAL WIRE LIGHTING 12 AWG
657.0255	TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE
657.0322	POLES TYPE 5-ALUMINUM
657.0610	LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT
659.1125	LUMINAIRES UTILITY LED C
SPV.0060.13	CONCRETE BASES TYPE 5 SPECIAL
SPV.0060.14	POST TOP LUMINAIRES UTILITY LED

SYSTEM	SEQUENCE I.D.	STATION	OFFSET	654.0105 CONCRETE BASES TYPE 5 EACH	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0322 POLES TYPE 5 ALUMINUM EACH	657.0610 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT EACH	659.1125 LUMINAIRES UTILITY LED C EACH	SPV.0060.13 CONCRETE BASES TYPE 5 SPECIAL EACH	SPV.0060.14 POST TOP LUMINAIRES UTILITY LED EACH	COMMENTS
HL-40-BQ	ABQ1/BBQ1	--	--	--	--	--	--	--	2	--	--	LOT 40-85 (IH 43 AND BROWN DEER RD - PARK & RIDE)
HL-40-BQ	ABQ2/BBQ2	--	--	--	--	--	--	--	2	--	--	"
HL-40-BQ	ABQ3/BBQ3	--	--	--	--	--	--	--	2	--	--	"
HL-40-BQ	CBQ1	--	--	--	--	--	--	--	1	--	--	"
HL-40-BQ	DBQ2	--	--	--	--	--	--	--	1	--	--	"
HL-40-BQ	CBQ3	--	--	--	--	--	--	--	1	--	--	"
HL-40-BQ	EBQ1/FBQ1	--	--	--	--	--	--	--	2	--	--	"
HL-40-BQ	FBQ2	--	--	--	--	--	--	--	--	--	1	"
HL-40-BQ	FBQ3	--	--	--	--	--	--	--	--	--	1	"
HL-40-BQ	FBQ4	--	--	--	--	--	--	--	--	--	1	"
HL-40-BQ	FBQ5	--	--	--	--	--	--	--	--	--	1	"
HL-40-BQ	GBQ1	--	--	--	--	--	--	--	--	--	1	"
HL-40-BQ	GBQ2	--	--	--	--	--	--	--	--	--	1	"
HL-40-BQ	GBQ3	--	--	--	--	--	--	--	--	--	1	"
HL-40-WG	CWG1/DWG1	--	--	--	--	--	--	--	2	--	--	LOT 40-70 (IH 41 AND GOOD HOPE RD - PARK & RIDE)
HL-40-WG	CWG2/DWG2	--	--	--	--	--	--	--	2	--	--	"
HL-40-WG	CWG3	--	--	--	--	--	--	--	1	--	--	"
HL-40-WG	CWG4	--	--	--	--	--	--	--	1	--	--	"
HL-40-WG	CWG5	--	--	--	--	--	--	--	1	--	--	"
HL-40-WG	CWG6	--	--	--	--	--	--	--	1	--	--	"
HL-40-SF	ASF1/BSF1	--	--	--	--	--	--	--	2	--	--	LOT 40-55 (IH 94 AND 76TH ST - PARK & RIDE)
HL-40-SF	BSF2/ASF2	--	--	--	--	--	--	--	2	--	--	"
HL-40-SF	BSF3/ASF3	--	--	--	--	--	--	--	2	--	--	"
HL-40-SF	ASF4/BSF4	--	--	--	--	--	--	--	2	--	--	"
HL-40-SF	ASF5/BSF5	--	--	--	--	--	--	--	2	--	--	"
HL-40-SF	CSF6	--	--	--	--	--	--	--	1	--	--	"
HL-40-SF	CSF7/DSF7	--	--	--	--	--	--	--	2	--	--	"
HL-40-SF	DSF8/CSF8	--	--	--	--	--	--	--	2	--	--	"
HL-40-SF	CSF9/DSF9	--	--	--	--	--	--	--	2	--	--	"
HL-66-KW	AKW1	11+36.07	40.00' RIGHT	--	126	--	1	1	1	1	--	LOT 66-50 (IH 41 AND CTH K - PARK & RIDE)
HL-66-KW	CKW1	12+22.99	40.00' LEFT	--	126	--	1	1	1	1	--	"
HL-66-KW	BKW1	13+13.26	40.00' RIGHT	--	126	--	1	1	1	1	--	"
HL-66-KW	DKW1	13+46.73	55.29' LEFT	1	126	1	1	1	1	--	--	"
HL-66-KW	CKW2	14+18.52	37.00' LEFT	--	126	--	1	1	1	1	--	"
HL-66-KW	AKW2	15+03.26	40.00' RIGHT	--	126	--	1	1	1	1	--	"
HL-66-KW	BKW2	15+69.97	52.64' LEFT	1	126	1	1	1	1	--	--	"
			TOTAL (1100)	2	882	2	7	7	43	5	7	

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: VARIOUS COUNTIES	MISCELLANEOUS QUANTITIES	SHEET: E

TYPE I&II PERMANENT SIGNING -

1000-04-70 Park & Ride Locations

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W x H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	638.2602 REM SIGNS TYPE II [EA]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 MOVING SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W x H [FT.]	637.1220 SIGNS TYPE I REFLECTIVE SH [SF]	637.1230 SIGNS TYPE I REFLECTIVE F [SF]	638.2101 MOVING SIGNS TYPE I [EA]	638.2601 REM SIGNS TYPE I [EA]	638.3100 REM STR STEEL SIGN SUP [EA]	STEEL POST TYPE	636.0100 SIGN NO. SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	635.0300 SIGN SUPPORTS REPLACING BASE CONN. BOLTS [EA]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
IH 94 & BARKER RD PARK & RIDE (LOT #67-35)																													
101	D4-3 (MOD) (2)	GOERKES CORNER [BUS] [CAR] PARK & RIDE											REUSE EXISTING STEEL POSTS	15 X 7.5	112.50			1						2				
102	D4-3 (MOD) (2)	GOERKES CORNER [BUS] [CAR] PARK & RIDE										101		15 X 7.5	112.50			1										
103		EXIT LEFT ARROW	18 X 18	2.250			1	1		1																		
104	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18 X 24	3.000			1	1		1																		
105	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18 X 24	3.000			1	1		1																		
106		EXIT LEFT ARROW	18 X 18	2.250			1	1		1																		
107		LONG TERM PARKING 5-DAY MAX LEFT ARROW	24 X 24	4.000			1	1		1																		
108		LONG TERM PARKING 5-DAY MAX RIGHT ARROW	24 X 24	4.000			1	1		1																		
109	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18 X 24	3.000			1	1		1																		
110	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18 X 24	3.000			1	1		1																		
111	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18 X 24	3.000			1	1		1																		
112	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18 X 24	3.000			1	1		1																		
113	R5-1 (2S)	DO NOT ENTER	30 X 30	6.250			1	1		1			REMOVE THE PARKING RESTRICTED TO DESIGNATED STALLS SIGN ALSO															
114	R5-1 (2S)	DO NOT ENTER	30 X 30	6.250			1	1		1			REMOVE THE PARKING RESTRICTED TO DESIGNATED STALLS SIGN ALSO															
115		PARKING RESTRICTED TO DESIGNATED STALLS ONLY	24 X 36	6.000								113																
116		PARKING RESTRICTED TO DESIGNATED STALLS ONLY	24 X 36	6.000								114																
117	R5-2 (2S)	NO TRUCKS	24 X 24	4.000			1	1		1			REMOVE THE R5-2A AND R5-1 ALSO															
118	R5-2A (MOD) (2S)	5 TONS OR OVER	18 X 12	1.500								117																
119	R5-1 (2S)	DO NOT ENTER	30 X 30	6.250								117																
120		NO UNATTENDED VEHICLES	24 X 18	3.000			1	1		1																		
121	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18 X 24	3.000			1	1		1																		
122		BUSES ONLY	12 X 12	1.000			1	1		1																		
123	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18 X 24	3.000			1	1		1																		
124		NO UNATTENDED VEHICLES	24 X 18	3.000			1	1		1																		
125	R6-2R (2S)	ONE WAY RIGHT ARROW	24 X 30	5.000			1	1		1																		
126		BUS PARKING ONLY	18 X 18	2.250			1	1		1																		
127		BUS PARKING ONLY	18 X 18	2.250			1	1		1																		

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	638.2602 REM SIGNS TYPE II [EA]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 MOVING SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.]	x	H [FT.]	637.1220 SIGNS TYPE I REFLECTIVE SH [SF]	637.1230 SIGNS TYPE I REFLECTIVE F [SF]	638.2101 MOVING SIGNS TYPE I [EA]	638.2601 REM SIGNS TYPE I [EA]	638.3100 REM STR STEEL SIGN SUP [EA]	STEEL POST TYPE	636.0100 SIGN NO. SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	635.0300 SIGN SUPPORTS REPLACING BASE CONN. BOLTS [EA]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR			
																													POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
128	D12-2A (MOD)	RIDESHARE INFO WWW.RIDESHARE.WI.GOV 1-800-455-POOL	72	X	30	15.000						2																			
129	R1-1 (2S)	STOP	30	X	30	5.180			1	1		1																			
130	R1-1 (2S)	STOP	30	X	30	5.180			1	1		1																			
131		EXIT LEFT ARROW	18	X	18	2.250			1	1		1																			
132	R3-5R								1	1																					
133	R3-8F (2S)	LEFT ONLY, RIGHT ONLY	36	X	30	7.500						1																			
134	R7-8A	RESERVED PARKING THIS SPACE							1	1																					
135	R7-8A (2S)	RESERVED PARKING THIS SPACE	12	X	18	1.500			1	1		1																			
136	R7-8A (2S)	RESERVED PARKING THIS SPACE	12	X	18	1.500			1	1		1																			
137	R7-8A (2S)	RESERVED PARKING THIS SPACE	12	X	18	1.500			1	1		1																			
138	R7-8A (2S)	RESERVED PARKING THIS SPACE	12	X	18	1.500			1	1		1			REMOVE THE R7-8V ALSO																
139	NOT USED																														
140	R7-8A (2S)	RESERVED PARKING THIS SPACE	12	X	18	1.500			1	1		1																			
141	R7-8A (2S)	RESERVED PARKING THIS SPACE	12	X	18	1.500			1	1		1																			
142	R7-8A (2S)	RESERVED PARKING THIS SPACE	12	X	18	1.500			1	1		1																			
143	R7-8A (2S)	RESERVED PARKING THIS SPACE	12	X	18	1.500			1	1		1																			
143A	NOT USED			X																											
144	R7-8A (2S)	RESERVED PARKING THIS SPACE	12	X	18	1.500			1	1		1																			
144A	R7-8V (2S)	VAN ACCESSIBLE	12	X	6	0.500									MOUNTS UNDER 144																
145		BUSES ONLY	12	X	12	1.000			1	1		1																			
146		NO UNATTENDED VEHICLES	24	X	18	3.000			1	1		1																			
147		NO UNATTENDED VEHICLES	24	X	18	3.000			1	1		1																			
148		NO UNATTENDED VEHICLES	24	X	18	3.000			1	1		1																			
149	R3-5L								1	1																					
150	R3-8F (2S)	LEFT ONLY, RIGHT ONLY	36	X	30	7.500						1																			
151		BUS PARKING ONLY	18	X	18	2.250			1	1		1																			
152		BUS PARKING ONLY	18	X	18	2.250			1	1		1																			
153		BUS PARKING ONLY	18	X	18	2.250			1	1		1																			
154	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18	X	24	3.000			1	1		1																			
155	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18	X	24	3.000			1	1		1																			
156		BUS PARKING ONLY	18	X	18	2.250			1																						
157	R1-2 (2S)	YIELD	36	X	31	3.880			1						ON SIGNAL POLE																
STH 16 & CTH P PARK & RIDE (LOT #67-75)																															
201	D12-2A (MOD)	RIDESHARE INFO WWW.RIDESHARE.WI.GOV 1-800-455-POOL	72	X	30	15.000			1	2		2																			
202		PARKING RESTRICTED TO DESIGNATED STALLS ONLY	24	X	36	6.000			1						MOUNT ON LIGHT POLE																

3

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	638.2602 REM SIGNS TYPE II [EA]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 MOVING SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.] x H [FT.]	637.1220 SIGNS TYPE I REFLECTIVE SH [SF]	637.1230 SIGNS TYPE I REFLECTIVE F [SF]	638.2101 MOVING SIGNS TYPE I [EA]	638.2601 REM SIGNS TYPE I [EA]	638.3100 REM STR STEEL SIGN SUP [EA]	STEEL POST TYPE	636.0100 SIGN NO. SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	635.0300 SIGN SUPPORTS REPLACING BASE CONN. BOLTS [EA]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
203		NOT USED																										
204	R1-1 (2S)	STOP	30 X 30	5.180						1																		
205	R1-1 (2S)	STOP	30 X 30	5.180						1																		
206	R7-8A (2S)	RESERVED PARKING THIS SPACE	12 X 18	1.500						1																		
206A	R7-8V (2S)	VAN ACCESSIBLE	12 X 6	0.500									MOUNTS UNDER 206															
207	R7-8A (2S)	RESERVED PARKING THIS SPACE	12 X 18	1.500						1																		
207A	R7-8V (2S)	VAN ACCESSIBLE	12 X 6	0.500									MOUNTS UNDER 207															
IH 94 & CTH F PARK & RIDE (LOT #67-40)																												
301	R1-1 (2S)	STOP	30 X 30	5.180			1	1		1																		
302	D4-1 (2S)	PARKING [A]	30 X 24	5.000			1	1		1			ARROW IS 180 DEGREES (POINTING LEFT) REMOVE THE NO DETACHED TRAILERS AND THE R7-1L ALSO															
303		NO DETACHED TRAILER PARKING	18 X 24	3.000								302																
304	R7-1L (2S)	NO PARKING ANY TIME LEFT ARROW	18 X 24	3.000								302																
305	D12-2A (MOD)	RIDESHARE INFO WWW.RIDESHARE.WI.GOV 1-800-455-POOL	72 X 30	15.000						2																		
306	R7-8A (2S)	RESERVED PARKING THIS SPACE	12 X 18	1.500			1	1			1																	
306A	R7-8V (2S)	VAN ACCESSIBLE	12 X 6	0.500									MOUNTS UNDER 306															
307	R7-8A (2S)	RESERVED PARKING THIS SPACE	12 X 18	1.500			1	1			1																	
307A	R7-8V (2S)	VAN ACCESSIBLE	12 X 6	0.500									MOUNTS UNDER 307															
308		PARKING RESTRICTED TO DESIGNATED STALLS ONLY	24 X 36	6.000			1						MOUNT ON TELEPHONE POLE															
309	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18 X 24	3.000			1			1		308																
310	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18 X 24	3.000			1	1		1																		
311	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18 X 24	3.000			1						MOUNT ON FENCE															
312	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18 X 24	3.000			1						MOUNT ON FENCE															
313	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18 X 24	3.000			1						MOUNT ON FENCE															
314	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18 X 24	3.000			1						MOUNT ON FENCE															
315	R7-8A(2S)		12 X 18	1.500							1																	
316	R7-8A(2S)		12 X 18	1.500							1																	
IH 94 & CTH G PARK & RIDE (LOT #67-45)																												
401	R7-1R (2S)	NO PARKING ANY TIME RIGHT	18 X 24	3.000			1	1		1																		
402		EXIT LEFT ARROW	18 X 18	2.250			1	1		1																		
403	R7-6 (2S)	NO PARKING LOADING ZONE	18 X 24	3.000			1	1		1			NO ARROWS ON SIGN															
404	R7-6 (2S)	NO PARKING LOADING ZONE	18 X 24	3.000			1	1		1			NO ARROWS ON SIGN															
405		15 MIN PARKING LEFT ARROW	18 X 24	3.000			1	1			1																	
406		15 MIN PARKING RIGHT ARROW	18 X 24	3.000			1	1			1																	
407		15 MIN PARKING RIGHT ARROW	18 X 24	3.000			1	1			1																	
408		15 MIN PARKING LEFT ARROW	18 X 24	3.000			1	1			1																	
409	R5-1 (2S)	DO NOT ENTER	30 X 30	6.250			1	1			1																	

TYPE I&II PERMANENT SIGNING -

1000-04-70 Park & Ride Locations

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	638.2602 REM SIGNS TYPE II [EA]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 MOVING SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.] x H [FT.]	637.1220 SIGNS TYPE I REFLECTIVE SH [SF]	637.1230 SIGNS TYPE I REFLECTIVE F [SF]	638.2101 MOVING SIGNS TYPE I [EA]	638.2601 REM SIGNS TYPE I [EA]	638.3100 REM STR STEEL SIGN SUP [EA]	STEEL POST TYPE	636.0100 SIGN NO. SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	635.0300 SIGN SUPPORTS REPLACING BASE CONN. BOLTS [EA]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
410	R5-1 (2S)	DO NOT ENTER	30 X 30	6.250			1	1			1																		
411	R7-7R (2S)	NO PARKING BUS STOP RIGHT ARROW	18 X 24	3.000			1	1			1																		
412	R7-7L (2S)	NO PARKING BUS STOP LEFT ARROW	18 X 24	3.000			1	1			1																		
413	R7-8L (2S)	RESERVED PARKING LEFT ARROW	12 X 18	1.500			1	1			1																		
414	R7-8A (2S)	RESERVED PARKING ARROW	12 X 18	1.500			1	1			1																		
414A	R7-8V (2S)	VAN ACCESSIBLE	12 X 6	0.500									MOUNTS UNDER 414																
415		LONG-TERM PARKING RIGHT ARROW	24 X 18	3.000			1	1		1			REMOVE LONG-TERM PARKING LEFT ARROW SIGN ALSO																
416		LONG-TERM PARKING LEFT ARROW	24 X 18	3.000								415																	
417	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18 X 24	3.000			1	1		1																			
418	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18 X 24	3.000			1	1		1																			
419	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18 X 24	3.000			1	1		1																			
420	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18 X 24	3.000			1	1		1																			
421	D4-3 (MOD) (2)	MEADOWBROOK [BUS] [CAR] PARK & RIDE											REUSE EXISTING STEEL POSTS	13 X 7.5	97.50			1						2				
422	D4-3 (MOD) (2)	MEADOWBROOK [BUS] [CAR] PARK & RIDE										421		13 X 7.5	97.50			1											
423	R1-1 (2S)	STOP	30 X 30	5.180			1	1		1																			
424		BUSES RIGHT TILT ARROW	18 X 18	2.250			1	1		1			ARROW IS 45 DEGREES (POINTING NE) REMOVE THE D4-1 ALSO																
425	D4-1 (2S)	PARKING [A]	30 X 24	5.000								424	ARROW IS 90 DEGREES (POINTING UP)																
426	R5-2 (2S)	NO TRUCKS	24 X 24	4.000			1	1	1	1			REMOVE THE R5-2A, NO DETACHED TRAILER PARKING, AND PARKING RESTRICTED TO DESIGNATED STALLS ONLY SIGNS ALSO																
427	R5-2A (MOD) (2S)	5 TONS OR OVER	18 X 12	1.500								426																	
428		NO DETACHED TRAILER PARKING	18 X 24	3.000								426																	
429		PARKING RESTRICTED TO DESIGNATED STALLS ONLY	24 X 36	6.000								426																	
430	R5-1 (2S)	DO NOT ENTER	30 X 30	6.250			1	1		1																			
431	R4-7 (2S)	KEEP RIGHT	24 X 30	5.000			1	1		1																			
432	D12-2A (MOD)	RIDESHARE INFO WWW.RIDESHARE.WI.GOV 1-800-455-POOL	72 X 30	15.000						2																			
433	D4-2R (2S)	PARK & RIDE & ARROW	30 X 36	7.500			1	1		1																			
434	D4-2R (2S)	PARK & RIDE & ARROW	30 X 36	7.500			1	1		1																			
435	R7-8V (2S)	RESERVED PARKING	12 X 18	1.500						1																			
435A	R7-8V (2S)	VAN ACCESSIBLE	12 X 6	0.500									MOUNTS UNDER 435																
436		MOTORCYCLE PARKING ONLY	24 X 18	3.000								412	BACK OF SIGN #412																
IH 43 & BROWN DEER RD PARK & RIDE (LOT #40-85)																													
501	R5-2 (2S)	NO TRUCKS	24 X 24	4.000			1	1		1			REMOVE THE R5-2A ALSO																
502	R5-2A (MOD) (2S)	5 TONS OR OVER	18 X 12	1.500								501																	
503		NO LONG TERM OVERNIGHT PARKING EXCEPT AS DESIGNATED	30 X 24	5.000			1	1	1	1			MOVE EXISTING SIGN OWNED BY OTHERS																
504		PARKING RESTRICTED TO DESIGNATED STALLS ONLY	24 X 36	6.000			1	1		1																			

TYPE I&II PERMANENT SIGNING -

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	638.2602 REM SIGNS TYPE II [EA]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 MOVING SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.] x H [FT.]	637.1220 SIGNS TYPE I REFLECTIVE SH [SF]	637.1230 SIGNS TYPE I REFLECTIVE F [SF]	638.2101 MOVING SIGNS TYPE I [EA]	638.2601 REM SIGNS TYPE I [EA]	638.3100 REM STR STEEL SIGN SUP [EA]	STEEL POST TYPE	636.0100 SIGN NO. SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	635.0300 SIGN SUPPORTS REPLACING BASE CONN. BOLTS [EA]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
505	D12-2A (MOD)	RIDESHARE INFO WWW.RIDESHARE.WI.GOV 1-800-455-POOL	72 X 30	15.000			1	2		2																		
506	R8-55R (MOD)	NO PARKING EXCEPT CRASH INVESTIGATION VEHICLES RIGHT ARROW	42 X 42	12.250			1	1		1			REMOVE THE R8-56 ALSO															
507	R8-56 (2S)	2 HOUR LIMIT	24 X 18	3.000								506																
508	D4-52 (MOD)	CRASH INVESTIGATION SYMBOL SITE 82	54 X 36	13.500			1	2		2																		
509	R8-55L (MOD)	NO PARKING EXCEPT CRASH INVESTIGATION VEHICLES LEFT ARROW	42 X 42	12.250			1	1		1			REMOVE THE R8-56 ALSO															
510	R8-56 (2S)	2 HOUR LIMIT	24 X 18	3.000								509																
511		NO LONG TERM OVERNIGHT PARKING EXCEPT AS DESIGNATED	30 X 24	5.000			1	1		1																		
512		BUSES ONLY	12 X 12	1.000			1	1		1																		
513	D4-1 (2S)	PARKING [A]	30 X 24	5.000			1	1		1			ARROW IS 90 DEGREES (POINTING UP) REMOVE THE R5-1 ALSO															
514	R5-1 (2S)	DO NOT ENTER	30 X 30	6.250								513																
515		EXIT					1	1					REMOVE THE ARROW SIGN ALSO															
516		EXIT LEFT ARROW	18 X 18	2.250						1																		
517	R5-1 (2S)	DO NOT ENTER	30 X 30	6.250			1	1		1																		
518	R7-8A (2S)	RESERVED PARKING ARROW	12 X 18	1.500			1	1		1																		
519	R7-8A (2S)	RESERVED PARKING ARROW	12 X 18	1.500			1	1		1																		
519A	R7-8V (2S)	VAN ACCESSIBLE	12 X 6	0.500									MOUNTS UNDER 519															
520	R7-8A (2S)	RESERVED PARKING ARROW	12 X 18	1.500			1	1		1																		
521	R7-8A (2S)	RESERVED PARKING ARROW	12 X 18	1.500			1	1		1																		
521A	R7-8V (2S)	VAN ACCESSIBLE	12 X 6	0.500									MOUNTS UNDER 521															
522	R5-1 (2S)	DO NOT ENTER	30 X 30	6.250			1	1		1																		
523		EXIT					1	1					REMOVE THE ARROW SIGN ALSO															
524		EXIT AHEAD ARROW	18 X 18	2.250						1																		
525	R7-1L (2S)	NO PARKING ANY TIME LEFT ARROW	18 X 24	3.000			1	1		1																		
526	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18 X 24	3.000			1	1		1																		
527	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18 X 24	3.000			1	1		1																		
528	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18 X 24	3.000			1	1		1																		
529	R7-8A (2S)	RESERVED PARKING	12 X 18	1.500						1																		
530	R7-8A (2S)	RESERVED PARKING	12 X 18	1.500						1																		
531	R7-8A (2S)	RESERVED PARKING	12 X 18	1.500						1																		
532	R7-8A (2S)	RESERVED PARKING	12 X 18	1.500						1																		
IH 94 & RYAN RD PARK & RIDE (LOT #40-30)																												
601	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18 X 24	3.000						1																		
602	R7-1L (2S)	NO PARKING ANY TIME LEFT ARROW	18 X 24	3.000			1	1		1																		
603	R5-1 (2S)	DO NOT ENTER	30 X 30	6.250			1	1		1																		
604	R5-1 (2S)	DO NOT ENTER	30 X 30	6.250			1	1		1			REMOVE THE D4-1 ALSO															
605	D4-1 (2S)	PARKING [A]	30 X 24	5.000					1			604	ARROW IS 135 DEGREES (POINTING NW). MOVE EXISTING SIGN OWNED BY OTHERS															
606		BUSES RIGHT TILT ARROW	18 X 18	2.250			1	1		1			ARROW IS 135 DEGREES (POINTING NW)															
607	W3-8 (2S)	RAMP METERED WHEN FLASHING	48 X 48		16.000		1						MOUNT ON FLASHING SIGNAL POLE															
608	R3-51 (2S)	RESTRICTED LANE - RAMP	48 X 78	26.000			1	2		2																		
609	R3-51 (2S)	RESTRICTED LANE - RAMP	48 X 78	26.000			1	2		2																		

TYPE I&II PERMANENT SIGNING -

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	638.2602 REM SIGNS TYPE II [EA]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 MOVING SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.] x H [FT.]	637.1220 SIGNS TYPE I REFLECTIVE SH [SF]	637.1230 SIGNS TYPE I REFLECTIVE F [SF]	638.2101 MOVING SIGNS TYPE I [EA]	638.2601 REM SIGNS TYPE I [EA]	638.3100 REM STR STEEL SIGN SUP [EA]	STEEL POST TYPE	636.0100 SIGN NO. SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	635.0300 SIGN SUPPORTS REPLACING BASE CONN. BOLTS [EA]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
610	D12-2A (MOD)	RIDESHARE INFO WWW.RIDESHARE.WI.GOV 1-800-455-POOL	72 X 30	15.000			1	1		2																		
611	NOT USED																											
612	R1-1 (2S)	STOP	30 X 30	5.180			1	1		1			REMOVE THE R6-3A ALSO															
613	R6-3A (2S)	DIVIDED HIGHWAY T INTERSECTION	30 X 24	5.000								612																
614	D4-3 (MOD) (2)	RYAN ROAD [BUS] [CAR] PARK & RIDE											REUSE EXISTING STEEL POSTS	12 X 7.5	90.00			1						2				
615	D4-3 (MOD) (2)	RYAN ROAD [BUS] [CAR] PARK & RIDE										614		12 X 7.5	90.00			1										
616		NO LONG TERM OVERNIGHT PARKING EXCEPT AS DESIGNATED	30 X 24	5.000			1	1		1			REMOVE THE R7-8R ALSO															
617	R6-2R (2S)	ONE WAY RIGHT ARROW	24 X 30	5.000			1	1		1			REMOVE THE PARKING RESTRICTED TO DESIGNATED STALLS SIGN ALSO															
618		PARKING RESTRICTED TO DESIGNATED STALLS ONLY	24 X 36	6.000								617																
619	R7-8R (2S)	RESERVED PARKING RIGHT ARROW	12 X 18	1.500								616																
619A	R7-8V (2S)	VAN ACCESSIBLE	12 X 6	0.500									MOUNTS UNDER 619															
620	R7-8R (2S)	RESERVED PARKING RIGHT ARROW	12 X 18	1.500			1	1		1																		
621	R7-8L (2S)	RESERVED PARKING LEFT ARROW	12 X 18	1.500			1	1		1																		
621A	R7-8V (2S)	VAN ACCESSIBLE	12 X 6	0.500									MOUNTS UNDER 621															
622	R7-8L (2S)	RESERVED PARKING LEFT ARROW	12 X 18	1.500			1	1		1																		
623	R6-2R (2S)	ONE WAY RIGHT ARROW	24 X 30	5.000			1	1		1																		
624	R6-2L (2S)	ONE WAY LEFT ARROW	24 X 30	5.000			1	1		1																		
625		LONG TERM PARKING 5-DAY MAX LEFT ARROW	24 X 24	4.000			1	1		1																		
626		LONG TERM PARKING 5-DAY MAX RIGHT ARROW	24 X 24	4.000			1						REUSE WOOD POST															
627	R7-8A (2S)	RESERVED PARKING	12 X 18	1.500						1																		
628	R7-8A (2S)	RESERVED PARKING	12 X 18	1.500						1																		
USH 41 & CTH K PARK & RIDE (LOT #66-50)													BACK OF SIGN 627															
701	D12-2A (MOD)	RIDESHARE INFO WWW.RIDESHARE.WI.GOV 1-800-455-POOL	72 X 30	15.000						2																		
702	R1-1 (2S)	STOP	30 X 30	5.180						1																		
703	R1-1 (2S)	STOP	30 X 30	5.180						1																		
704	R7-8A (2S)	RESERVED PARKING THIS SPACE	12 X 18	1.500						1																		
704A	R7-8V (2S)	VAN ACCESSIBLE	12 X 6	0.500									MOUNTS UNDER 704															
705	R7-8A (2S)	RESERVED PARKING THIS SPACE	12 X 18	1.500						1																		
706	R7-8A (2S)	RESERVED PARKING THIS SPACE	12 X 18	1.500						1																		
707		MOTORCYCLE PARKING ONLY	24 X 18	3.000						1																		
IH 43 & CTH C PARK & RIDE (LOT #45-20)																												
801		DO NOT BLOCK DRIVE	18 X 18	2.250			1	1		1																		
802	D12-2A (MOD)	RIDESHARE INFO WWW.RIDESHARE.WI.GOV 1-800-455-POOL	72 X 30	15.000						2																		
803	D12-2A (MOD)	RIDESHARE INFO WWW.RIDESHARE.WI.GOV 1-800-455-POOL					1																					
804	R1-1 (2S)	STOP	30 X 30	5.180			1	1		1																		
805	R7-8A (2S)	RESERVED PARKING THIS SPACE	12 X 18	1.500						1																		

TYPE I&II PERMANENT SIGNING -

1000-04-70 Park & Ride Locations

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	638.2602 REM SIGNS TYPE II [EA]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 MOVING SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.]	x	H [FT.]	637.1220 SIGNS TYPE I REFLECTIVE SH [SF]	637.1230 SIGNS TYPE I REFLECTIVE F [SF]	638.2101 MOVING SIGNS TYPE I [EA]	638.2601 REM SIGNS TYPE I [EA]	638.3100 REM STR STEEL SIGN SUP [EA]	STEEL POST TYPE	636.0100 SIGN NO. SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	635.0300 SIGN SUPPORTS REPLACING BASE CONN. BOLTS [EA]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
806	R7-8A (2S)	RESERVED PARKING THIS SPACE	12	X	18	1.500						1																				
807	R7-8A (2S)	RESERVED PARKING THIS SPACE	12	X	18	1.500						1																				
808	R7-8A (2S)	RESERVED PARKING THIS SPACE	12	X	18	1.500						1																				
808A	R7-8V (2S)	VAN ACCESSIBLE	12	X	6	0.500									MOUNTS UNDER 808																	
809	R7-8A (2S)	RESERVED PARKING THIS SPACE	12	X	18	1.500						1																				
809A	R7-8V (2S)	VAN ACCESSIBLE	12	X	6	0.500									MOUNTS UNDER 809																	
810		MOTORCYCLE PARKING ONLY	24	X	18	3.000						1																				
IH 94 & 76TH ST PARK & RIDE (LOT #40-55)																																
901	R1-1 (2S)	STOP	30	X	30	5.180			1						ON EXISTING PORTABLE SUPPORT																	
902		PARKING RESTRICTED TO DESIGNATED STALLS ONLY	24	X	36	6.000			1	1		1			REMOVE THE NO LONG TERM OVERNIGHT PARKING EXCEPT AS DESIGNATED SIGN ALSO																	
903		NO LONG TERM OVERNIGHT PARKING EXCEPT AS DESIGNATED	30	X	24	5.000								902																		
904	D4-2R (2S)	PARK & RIDE RIGHT ARROW	30	X	36	7.500			1						MOUNT ON LIGHT POLE																	
905	R7-1L (2S)	NO PARKING ANY TIME LEFT ARROW	18	X	24	3.000			1	1		2		906	REMOVE THE R8-55 AND R8-56 ALSO																	
906	R8-55 (2S) (MOD)	NO PARKING EXCEPT CRASH INVESTIGATION VEHICLES	42	X	42	12.250																										
907	R8-56 (2S)	2 HOUR LIMIT	24	X	18	3.000								905																		
908	R7-1R (2S)	NO PARKING ANY TIME RIGHT	18	X	24	3.000			1	1		1																				
909	D12-2A (MOD)	RIDESHARE INFO WWW.RIDESHARE.WI.GOV 1-800-455-POOL	72	X	30	15.000						2																				
910	R7-1L (2S)	NO PARKING ANY TIME LEFT ARROW	18	X	24	3.000			1	1			1																			
911	R7-1D (2S)	NO PARKING ANY TIME DOUBLE ARROWS	18	X	24	3.000			1	1			1																			
912	R7-1R (2S)	NO PARKING ANY TIME RIGHT ARROW	18	X	24	3.000			1	1			1																			
913	R7-8A (2S)	RESERVED PARKING THIS SPACE	12	X	18	1.500			1	1			1		REMOVE THE R7-8V ALSO																	
913A	R7-8V (2S)	VAN ACCESSIBLE	12	X	6	0.500									MOUNTS UNDER 913																	
914	NOT USED																															
915	R7-8A (2S)	RESERVED PARKING THIS SPACE	12	X	18	1.500			1	1			1		REMOVE THE R7-8V ALSO																	
916	NOT USED																															
917	R7-8A (2S)	RESERVED PARKING THIS SPACE	12	X	18	1.500			1	1			1																			
918	R7-8A (2S)	RESERVED PARKING THIS SPACE	12	X	18	1.500			1	1			1																			
919	R7-8A (2S)	RESERVED PARKING THIS SPACE	12	X	18	1.500			1	1			1																			
920	R7-8A (2S)	RESERVED PARKING THIS SPACE	12	X	18	1.500			1	1			1																			
921	R7-8A (2S)	RESERVED PARKING THIS SPACE	12	X	18	1.500			1	1			1																			
922	R7-8A (2S)	RESERVED PARKING THIS SPACE	12	X	18	1.500			1	1			1																			
922A	R7-8V (2S)	VAN ACCESSIBLE	12	X	6	0.500									MOUNTS UNDER 922																	
923	R7-8A (2S)	RESERVED PARKING THIS SPACE	12	X	18	1.500			1	1			1																			
924	R8-55 (2S) (MOD)	CRASH SITE	42	X	42	12.250						2																				
924A		TWO HOUR LIMIT	24	X	18	3.000									MOUNT UNDER 924																	
925		LONG TERM PARKING	24	X	24	4.000						1																				
926		LONG TERM PARKING 5 DAY MAX	24	X	24	4.000						1																				
927	R7-8A (2S)	RESERVED PARKING THIS SPACE	12	X	18	1.500							1																			
STH 32 & CTH LL PARK & RIDE (LOT #45-60)																																
1001	R1-1 (2S)	STOP	30	X	30	5.180						1																				
1002		NO SEMI PARKING ALLOWED	18	X	24	3.000			1	1	1	1			REMOVE THE NO LOITERING SIGN ALSO MOVE EXISTING SIGN																	
1003		NO LOITERING	18	X	12	1.500								1002																		

PROJECT NO: 1000-04-70	HWY: VARIOUS	COUNTY: VARIOUS	MISCELLANEOUS QUANTITIES – PERMANENT SIGNING	SHEET:	E

TYPE I&II PERMANENT SIGNING -

1000-04-70 Park & Ride Locations

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	638.2602 REM SIGNS TYPE II [EA]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 MOVING SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.] x H [FT.]	637.1220 SIGNS TYPE I REFLECTIVE SH [SF]	637.1230 SIGNS TYPE I REFLECTIVE F [SF]	638.2101 MOVING SIGNS TYPE I [EA]	638.2601 REM SIGNS TYPE I [EA]	638.3100 REM STR STEEL SIGN SUP [EA]	STEEL POST TYPE	636.0100 SIGN NO. SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	635.0300 SIGN SUPPORTS REPLACING BASE CONN. BOLTS [EA]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
1004	R7-8A (2S)	RESERVED PARKING THIS SPACE	12 X 18	1.500			1	1			1																		
1005	R7-8A (2S)	RESERVED PARKING THIS SPACE	12 X 18	1.500			1	1			1																		
1006	R7-8A (2S)	RESERVED PARKING THIS SPACE	12 X 18	1.500			1	1			1																		
1007		NO SEMI PARKING ALLOWED	18 X 24	3.000			1	1	1	1			REMOVE THE NO LOITERING SIGN ALSO MOVE EXISTING SIGN																
1008		NO LOITERING	18 X 12	1.500								1007																	
1009	D12-2A (MOD)	RIDESHARE INFO WWW.RIDESHARE.WI.GOV 1-800-455-POOL	72 X 30	15.000						2																			
1010		NO SEMI PARKING ALLOWED	18 X 24	3.000			1						MOUNT ON LIGHT POLE																
1011	R1-1 (2S)	STOP	30 X 30	5.180						1																			
1012	R7-8A (2S)	RESERVED PARKING THIS SPACE	12 X 18	1.500							1																		
1012A	R7-8V (2S)	VAN ACCESSIBLE	12 X 6	0.500									MOUNTS UNDER 1012																
1013	R7-8A (2S)	RESERVED PARKING THIS SPACE	12 X 18	1.500							1																		
1013A	R7-8V (2S)	VAN ACCESSIBLE	12 X 6	0.500									MOUNTS UNDER 1013																
1014	W11-2 (2S)		30 X 30	6.250						1																			
1014A	W16-7L (2S)		24 X 12	2.000									MOUNTS UNDER 1014																
1015	W11-2 (2S)		30 X 30	6.250						1																			
1015A	W16-7L (2S)		24 X 12	2.000									MOUNTS UNDER 1015																
1016	W11-2 (2S)						1						LIGHT POLE																
1017	W11-2 (2S)						1	1																					
1018	W11-2 (2S)						1						LIGHT POLE																
1019	W11-2 (2S)						1	1																					
1020		MOTORCYCLE PARKING ONLY	24 X 18	3.000						1																			
USH 41 & GOOD HOPE RD PARK & RIDE (LOT #40-70)																													
1101		LONG TERM PARKING 5-DAY MAX RIGHT ARROW	24 X 24	4.000			1	1		1																			
1102		LONG TERM PARKING 5-DAY MAX LEFT ARROW	24 X 24	4.000			1	1		1																			
1103	D12-2A (MOD)	RIDESHARE INFO WWW.RIDESHARE.WI.GOV 1-800-455-POOL	72 X 30	15.000						2																			
1104	R1-1 (2S)	STOP	30 X 30	5.180			1	1		1																			
1105		NO THRU TRAFFIC	18 X 12	1.500			1	1		1			REMOVE THE EXCEPT BUSES SIGN ALSO																
1106		EXCEPT BUSES	18 X 12	1.500								1105																	
1107	R1-1 (2S)	STOP	30 X 30	5.180			1	1		1																			
1108	D4-2L (2S)	PARK & RIDE LEFT ARROW	30 X 36	7.500			1	2		2			REMOVE THE D4-2R ALSO																
1109	D4-2R (2S)	PARK & RIDE RIGHT ARROW	30 X 36	7.500								1108																	
1110		NO THRU TRAFFIC	18 X 12	1.500			1	1		1			REMOVE THE EXCEPT BUSES SIGN ALSO																
1111		EXCEPT BUSES	18 X 12	1.500								1110																	
1112		PARKING RESTRICTED TO DESIGNATED STALLS ONLY	24 X 36	6.000			1	1		1			REMOVE THE NO LONG TERM OVERNIGHT PARKING EXCEPT AS DESIGNATED SIGN ALSO																
1113		NO LONG TERM OVERNIGHT PARKING EXCEPT AS DESIGNATED	30 X 24	5.000								1112																	

TYPE I&II PERMANENT SIGNING -

1000-04-70 Park & Ride Locations

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.] x H [IN.]	**637.2210** SIGNS TYPE II REFLECTIVE H [SF]	**637.2230** SIGNS TYPE II RELFECTIVE F [SF]	**637.2215** SIGNS TYPE II REFLECTIVE H FOLDING [SF]	**638.2602** REM SIGNS TYPE II [EA]	**638.3000** REM SMALL SIGN SUP [EA]	**638.2102** MOVING SIGNS TYPE II [EA]	**634.0618** WOOD POSTS 4" X 6" X 18' [EA]	**634.0816** POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.] x H [FT.]	**637.1220** SIGNS TYPE I REFLECTIVE SH [SF]	**637.1230** SIGNS TYPE I REFLECTIVE F [SF]	**638.2101** MOVING SIGNS TYPE I [EA]	**638.2601** REM SIGNS TYPE I [EA]	**638.3100** REM STR STEEL SIGN SUP [EA]	STEEL POST TYPE	**636.0100** SIGN NO. SUPPORTS CONCRETE MASONRY [CY]	**636.0500** SIGN SUPPORTS STEEL REINF. [LBS]	**635.0200** SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	**635.0300** SIGN SUPPORTS REPLACING BASE CONN. BOLTS [EA]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
1114	R1-1 (2S)	STOP	30 X 30	5.180			1	1		1																	
1115	R7-8A (2S)	RESERVED PARKING THIS SPACE	12 X 18	1.500			1	1		1																	
1116	R7-8A (2S)	RESERVED PARKING THIS SPACE	12 X 18	1.500			1	1		1																	
1117	R7-8A (2S)	RESERVED PARKING THIS SPACE	12 X 18	1.500			1	1		1			REMOVE THE R7-8V ALSO														
1118	R7-8V (2S)	VAN ACCESSIBLE	12 X 6	0.500								1117															
1119	R7-8A (2S)	RESERVED PARKING THIS SPACE	12 X 18	1.500			1	1		1			REMOVE THE R7-8V ALSO														
1120	R7-8V (2S)	VAN ACCESSIBLE	12 X 6	0.500								1119															
1121	R3-1 (2S)	NO RIGHT TURN	24 X 24	4.000			1	1		1																	
1122	R1-1 (2S)	STOP	30 X 30	5.180			1	1		1			REMOVE THE BUSES ONLY TILE ARROW SIGN ALSO														
1123		BUSES ONLY TILT DOWN LEFT ARROW	18 X 24	3.000								1123															
1124	R1-2 (2S)	YIELD	36 X 31	3.880			1	1		1																	
1125		BUSES ONLY TILT DOWN RIGHT ARROW	18 X 24	3.000			1	1		1																	
1126	R7-8A (2S)	RESERVED PARKING THIS SPACE	12 X 18	1.500						1																	
1127	R7-8A (2S)	RESERVED PARKING THIS SPACE	12 X 18	1.500									BACK OF 1126														
UNDISTRIBUTED				--		10.000						--	--	X			1		2		1.6	98	1000		--	--	--	--
TOTALS				1030.820	16.000	10.000	173	162	5	185	32	--	--		600.000	0.000	1	6	2	0	1.6	98	1000	6				

SHEET: 9 OF 9

PROJECT NO: 1000-04-70	HWY: VARIOUS	COUNTY: VARIOUS	MISCELLANEOUS QUANTITIES – PERMANENT SIGNING	SHEET:	**E**

FILE NAME : N:\SPO\Operations\Signing\Miscellaneous Quantities\1000-04-70\030502_mq.pptx PLOT DATE : 20 May 2016 PLOT BY : mscjzb PLOT NAME : 030502_mq.pdf PLOT SCALE : 1:1

			4/1	4/2	4/3	4/4	4/5	4/6	4/7	4/8	4/9	4/10	4/11	4/12	4/13	4/14	4/15	4/16	4/17	4/18	4/19	4/20	4/21
Park & Ride #	Park & Ride Lot Description	remarks		SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI
	OVERALL PROJECT	**9-1-17 COMPLETION DATE - PRIOR TO LABOR DAY**																					
Lot 40-30	IH 94 & RYAN ROAD																						
Lot 40-55	IH 94 & 76TH STREET	**6-22-17 ICD - PRIOR TO SUMMERFEST**																					
Lot 40-70	IH 41 & GOOD HOPE ROAD	**6-22-17 ICD - PRIOR TO SUMMERFEST**																					
Lot 40-85	IH 43 & BROWN DEER ROAD																						
Lot 45-20	IH 43 & CTH C (PIONEER ROAD)	**6-22-17 ICD - PRIOR TO SUMMERFEST**																					
Lot 45-60	IH 43 & STH 32 / CTH LL		**SCHOOL >>**																				
Lot 66-50	IH 41 & CTH K / Addison Road																						
Lot 67-35	IH 94 & Barker Road (Goerkes Corners)																						
Lot 67-40	IH 94 & CTH F	**6-29-17 ICD before burial letter expires 7-1.** No events or Transit.																					
Lot 67-45	IH 94 & CTH G / CTH DR	**6-22-17 ICD - PRIOR TO SUMMERFEST**																					
Lot 67-75	STH 16 & Brown Street / CTH P																						

	4/22	4/23	4/24	4/25	4/26	4/27	4/28	4/29	4/30	5/1	5/2	5/3	5/4	5/5	5/6	5/7	5/8	5/9	5/10	5/11	5/12	5/13	5/14	5/15	5/16	5/17	5/18	5/19	5/20	5/21	5/22	5/23	5/24	5/25	5/26	5/27	5/28	5/29	5/30	5/31
Park & Ride #	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED
Lot 40-30																																						MEMORIAL DAY		
Lot 40-55																																						MEMORIAL DAY		
Lot 40-70																																						MEMORIAL DAY		
Lot 40-85																																						MEMORIAL DAY		
Lot 45-20																																						MEMORIAL DAY		
Lot 45-60																																	<<SCHOOL					MEMORIAL DAY		SCHO
Lot 66-50																																						MEMORIAL DAY		
Lot 67-35																																						MEMORIAL DAY		
Lot 67-40																																						MEMORIAL DAY		
Lot 67-45																																						MEMORIAL DAY		
Lot 67-75																																						MEMORIAL DAY		

NOTE: THIS CALENDAR IS INTENDED FOR GENERAL INFORMATION PURPOSES ONLY AND NO GUARANTEE OF COMPLETENESS OR ACCURACY IS MADE. VERIFICATION OF DATES AND OTHER CONSTRAINTS SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR. SOME DATES WERE UNPUBLISHED AT THE TIME THIS CHART WAS PREPARED; SEE SPECIAL PROVISIONS.

	6/1	6/2	6/3	6/4	6/5	6/6	6/7	6/8	6/9	6/10	6/11	6/12	6/13	6/14	6/15	6/16	6/17	6/18	6/19	6/20	6/21	6/22	6/23	6/24	6/25	6/26	6/27	6/28	6/29	6/30	7/1	7/2	7/3	7/4	7/5	7/6	7/7	7/8	7/9	7/10
Park & Ride #	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON
Lot 40-30																												SUMMERFEST		JULY 4th										
Lot 40-55																						ICD						SUMMERFEST		JULY 4th										
Lot 40-70																						ICD								JULY 4th										
Lot 40-85																												SUMMERFEST		JULY 4th										
Lot 45-20																						ICD								JULY 4th										
Lot 45-60	OL >>						<<SCHOOL				Allen-Edmonds Tent Sale at Lot 45-60							Fathers Day										SUMMERFEST		JULY 4th										
Lot 66-50																														JULY 4th										
Lot 67-35																												SUMMERFEST		JULY 4th										
Lot 67-40																						ICD								JULY 4th				Burial Auth. EXPIRES July 1 >>						
Lot 67-45																						ICD						SUMMERFEST		JULY 4th										
Lot 67-75																														JULY 4th										

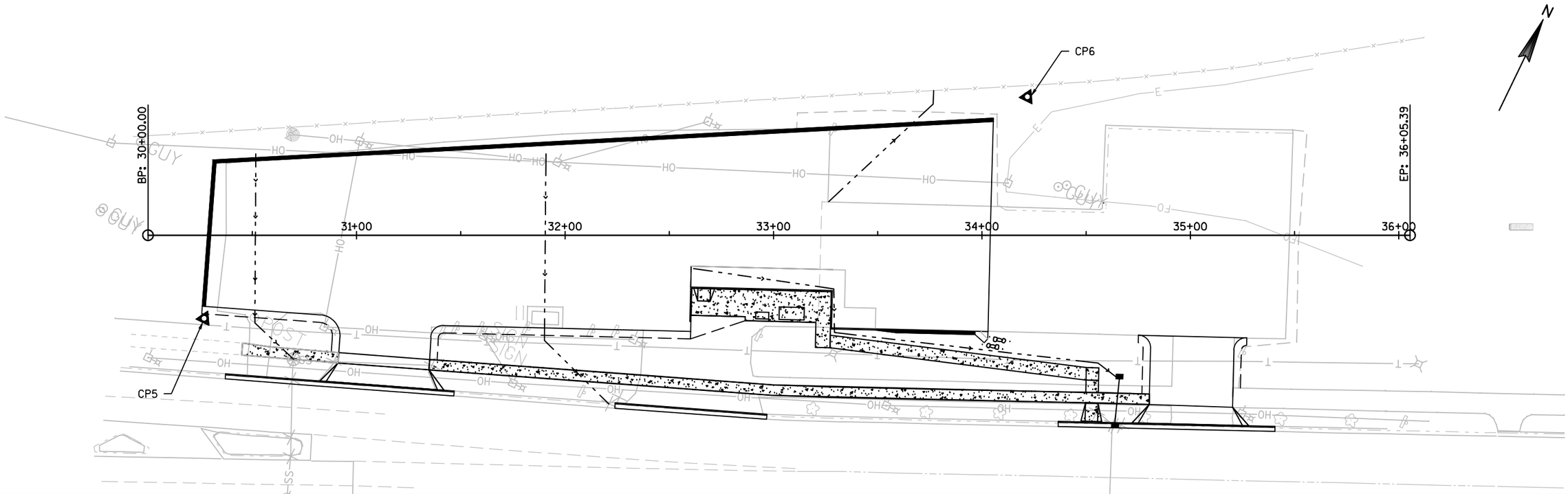
	7/11	7/12	7/13	7/14	7/15	7/16	7/17	7/18	7/19	7/20	7/21	7/22	7/23	7/24	7/25	7/26	7/27	7/28	7/29	7/30	7/31	8/1	8/2	8/3	8/4	8/5	8/6	8/7	8/8	8/9	8/10	8/11	8/12	8/13	8/14	8/15	8/16	8/17	8/18	8/19	8/20
Park & Ride #	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN
Lot 40-30																																									
Lot 40-55											Italian Fest							German Fest						STATE FAIR													IRISH FEST				
Lot 40-70																																									
Lot 40-85											Italian Fest							German Fest						STATE FAIR													IRISH FEST				
Lot 45-20																																									
Lot 45-60					Fish Day																																					
Lot 66-50																																									
Lot 67-35																								STATE FAIR																	
Lot 67-40																																									
Lot 67-45																								STATE FAIR																	
Lot 67-75																																									

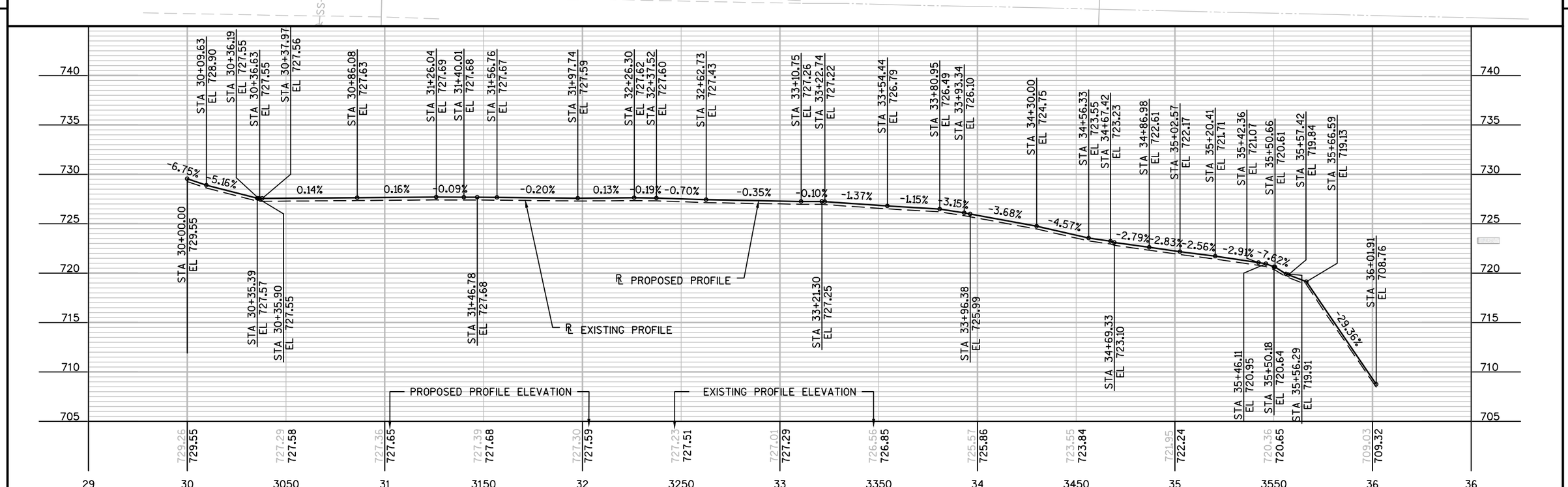
NOTE: THIS CALENDAR IS INTENDED FOR GENERAL INFORMATION PURPOSES ONLY AND NO GUARANTEE OF COMPLETENESS OR ACCURACY IS MADE. VERIFICATION OF DATES AND OTHER CONSTRAINTS SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR. SOME DATES WERE UNPUBLISHED AT THE TIME THIS CHART WAS PREPARED; SEE SPECIAL PROVISIONS.

Park & Ride #	Park & Ride Lot Description	remarks	8/17 THU	8/18 FRI	8/19 SAT	8/20 SUN	8/21 MON	8/22 TUE	8/23 WED	8/24 THU	8/25 FRI	8/26 SAT	8/27 SUN	8/28 MON	8/29 TUE	8/30 WED	8/31 THU	9/1 FRI	9/2 SAT	9/3 SUN	9/4 MON	9/5 TUE	9/6 WED	9/7 THU	9/8 FRI	9/9 SAT
	OVERALL PROJECT	**9-1-17 COMPLETION DATE - PRIOR TO LABOR DAY**																CD								
Lot 40-30	IH 94 & RYAN ROAD																				LABOR DAY					
Lot 40-55	IH 94 & 76TH STREET	**6-22-17 ICD - PRIOR TO SUMMERFEST**	IRISH FEST																		LABOR DAY					
Lot 40-70	IH 41 & GOOD HOPE ROAD	**6-22-17 ICD - PRIOR TO SUMMERFEST**																			LABOR DAY					
Lot 40-85	IH 43 & BROWN DEER ROAD		IRISH FEST																		LABOR DAY					
Lot 45-20	IH 43 & CTH C (PIONEER ROAD)	**6-22-17 ICD - PRIOR TO SUMMERFEST**																			LABOR DAY					
Lot 45-60	IH 43 & STH 32 / CTH LL													SCHOOL >>							LABOR DAY	SCHOOL >>				
Lot 66-50	IH 41 & CTH K / Addison Road																				LABOR DAY					
Lot 67-35	IH 94 & Barker Road (Goerkes Corners)																				LABOR DAY					
Lot 67-40	IH 94 & CTH F	**6-29-17 ICD before burial letter expires 7-1.** No events or Transit.																			LABOR DAY					
Lot 67-45	IH 94 & CTH G / CTH DR	**6-22-17 ICD - PRIOR TO SUMMERFEST**																			LABOR DAY					
Lot 67-75	STH 16 & Brown Street / CTH P																				LABOR DAY					

3

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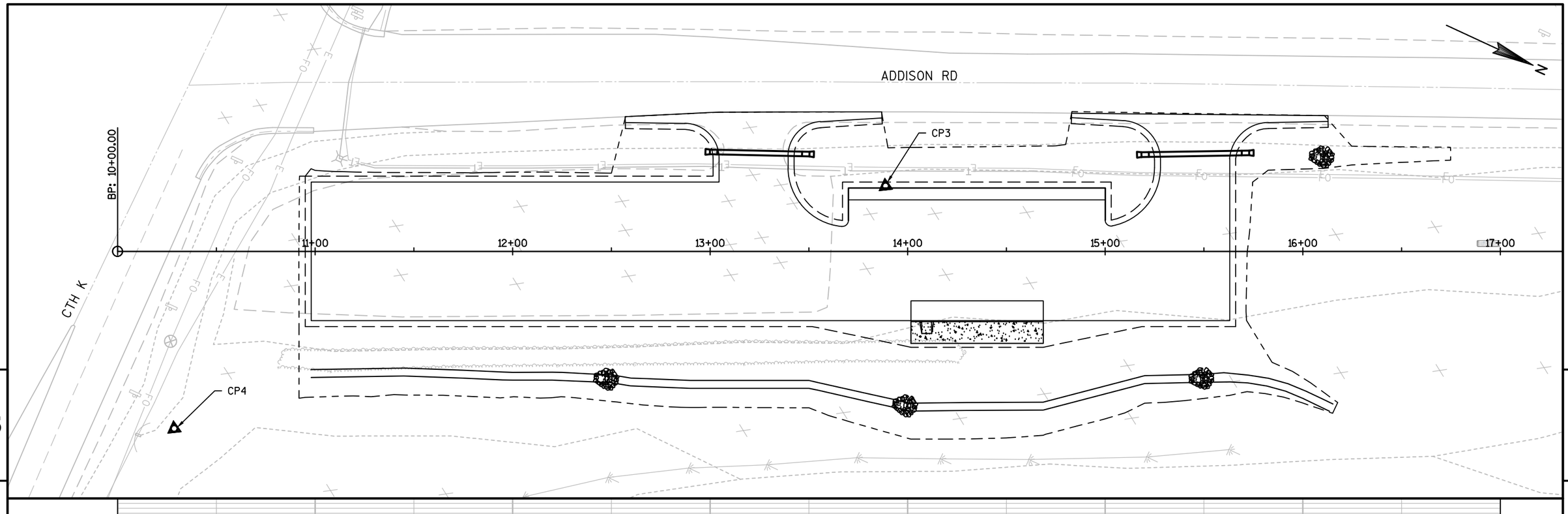


PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	PLAN AND PROFILE: LOT #45-60 (STH 32 & CTH LL)	SHEET 215 E

FILE NAME : N:\PDS\C3D\CAD\10000400\050103_PP.DWG
LAYOUT NAME - 050103_PP

PLOT DATE : 7/6/2016 3:09 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	PLAN AND PROFILE: LOT #66-50 (IH-41 & CTH K)	SHEET 216	E

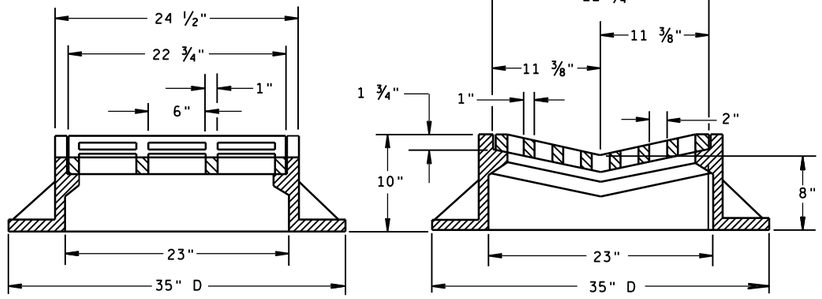
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LAYOUT NAME - 050104_PP

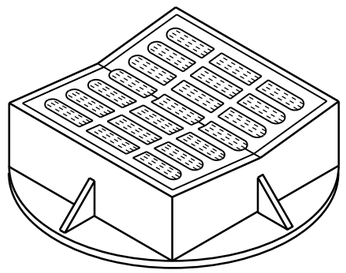
PLOT DATE : 7/6/2016 3:09 PM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:50 FT

Standard Detail Drawing List

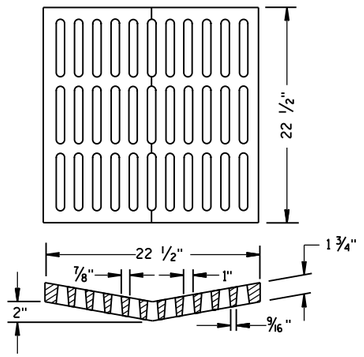
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08C08-01	INLETS MEDIAN 1 AND 2 GRATE
08D01-19	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-17A	CURB RAMPS TYPES 1 AND 1-A
08D05-17B	CURB RAMPS TYPES 2 AND 3
08D05-17C	CURB RAMPS TYPES 4A AND 4A1
08D05-17D	CURB RAMPS TYPE 4B AND 4B1
08D05-17E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08E05-02	SODDED BACKSLOPE FLUME AND INTERCEPTING EMBANKMENT
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F06-04	REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN
09B02-09	CONDUIT
09B04-11	PULL BOX
09C02-07	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C10-03	TRANSFORMER BASE FOR 15" BOLT CIRCLE
09C14-02	CONCRETE CONTROL CABINET BASE, TYPE L
09D05-01	L30 LIGHTING CONTROL CABINET 240/480 VOLT
09E01-14D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E03-05	NON-FREEWAY LIGHTING UNIT POLE WIRING
09F04-04	LOOP DETECTOR INSTALLED IN NEW CONCRETE PAVEMENT ROUND CSCP PULLBOX
10A01-03	ELECTRICAL HANDHOLE WIRING
10A02-03	IDENTIFICATION PLAQUES LIGHT POLES
13C09-13A	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-13B	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-13C	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
15A04-02	FLEXIBLE DELINEATOR POST
15B01-08A	FENCE WOVEN WIRE
15B01-08B	FENCE WOVEN WIRE
15B03-15A	FENCE CHAIN LINK
15B03-15B	FENCE CHAIN LINK
15C07-13A	PAVEMENT MARKING SYMBOLS
15C07-13B	PAVEMENT MARKING WORDS
15C07-13C	PAVEMENT MARKING ARROWS
15C33-02	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D20-04	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-02A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-02B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-02C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6



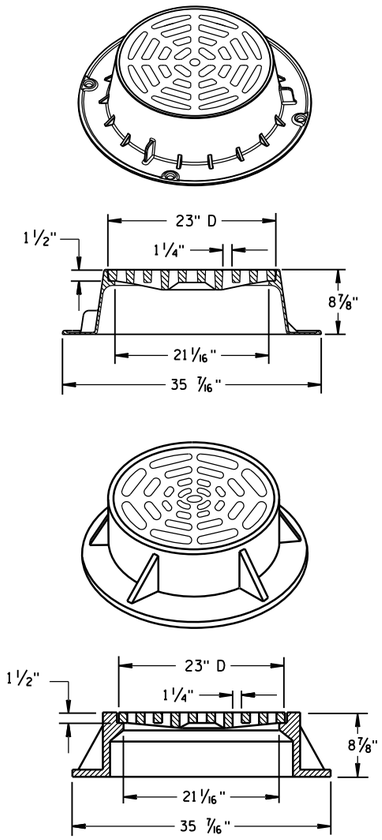


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

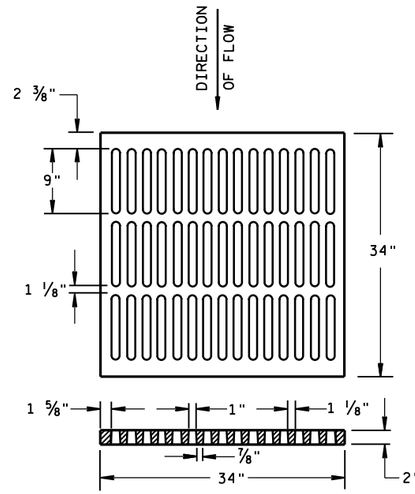
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

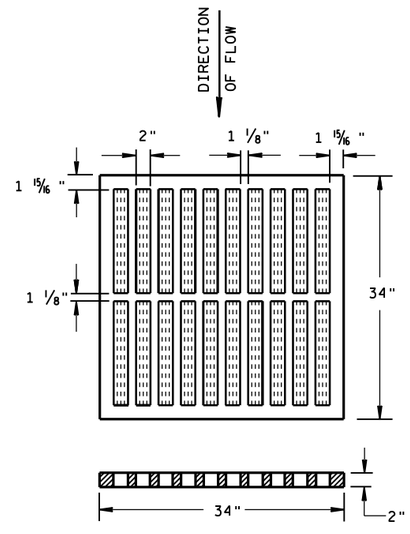
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



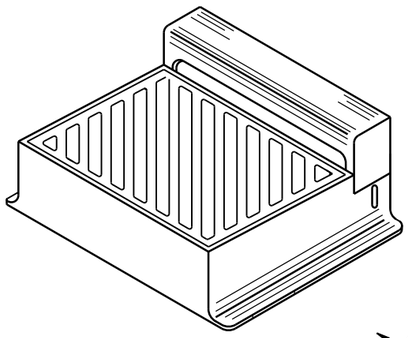
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

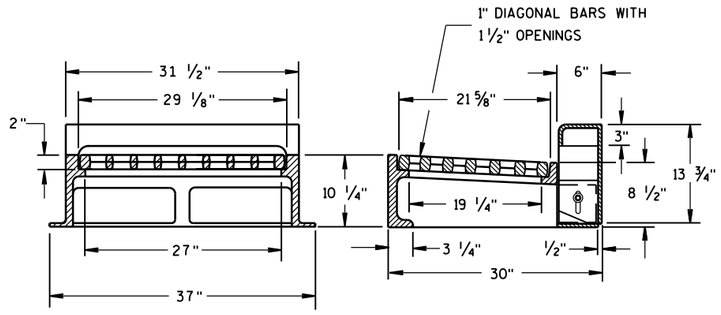


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

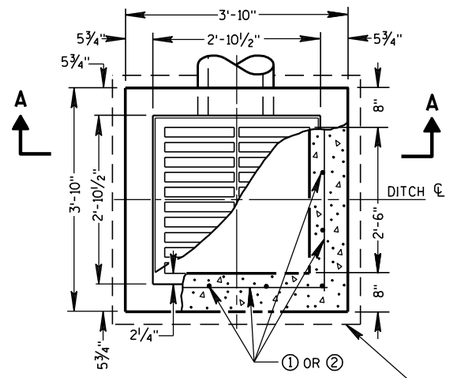
INLET COVERS
TYPE B, B-A, C, MS, MS-A, & WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

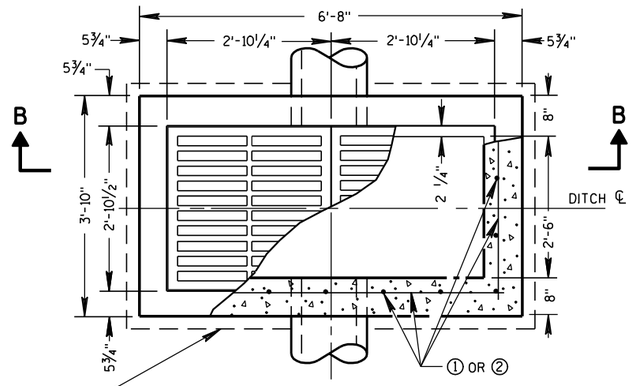
APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 A 5-19b

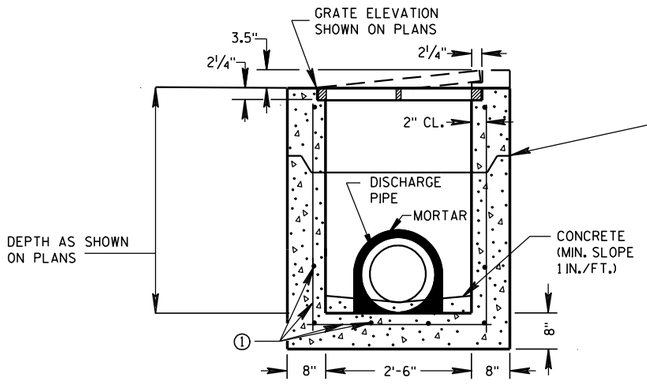


PLAN VIEW

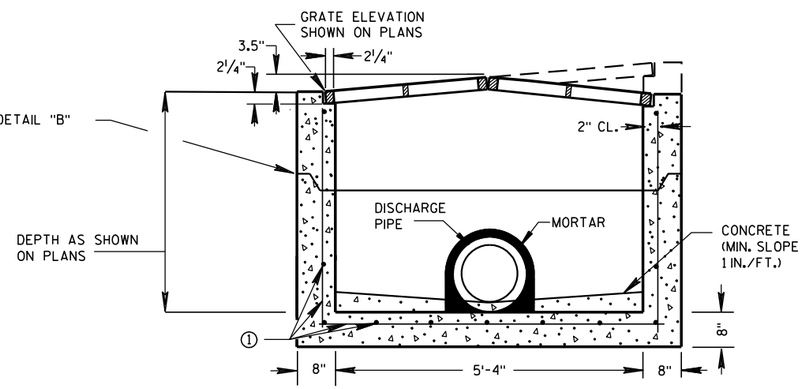


PLAN VIEW

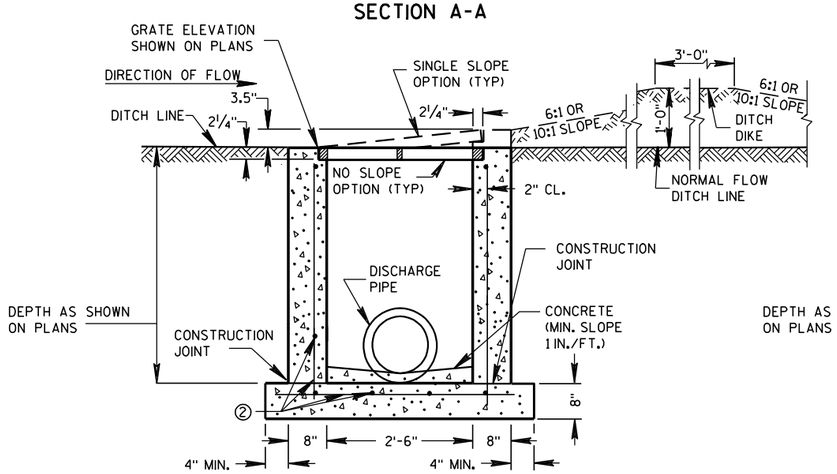
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



PRECAST REINFORCED CONCRETE SECTION A-A

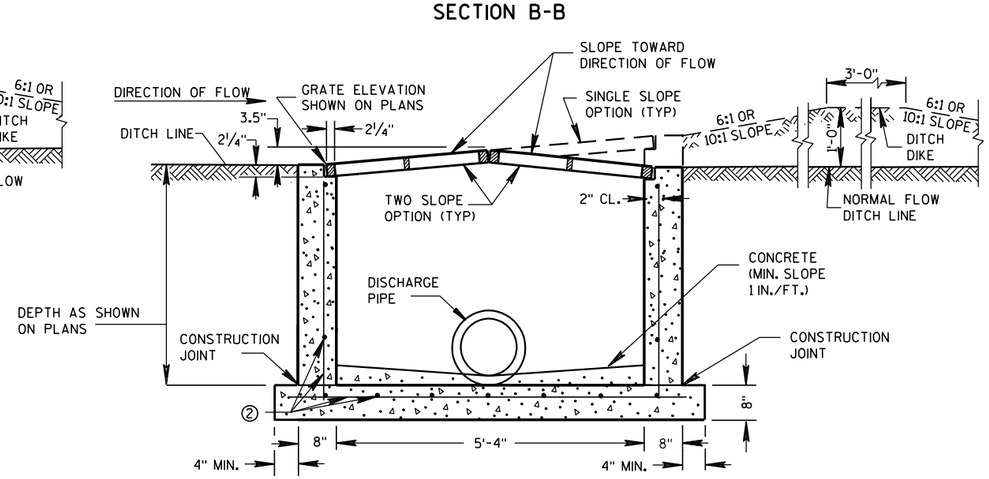


PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A

INLETS MEDIAN 1 GRATE



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

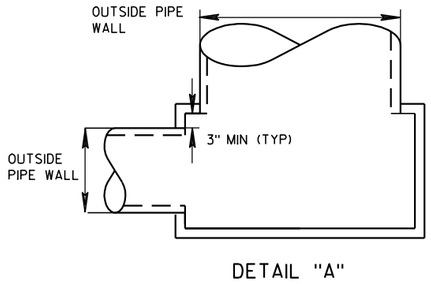
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

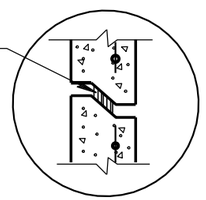
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

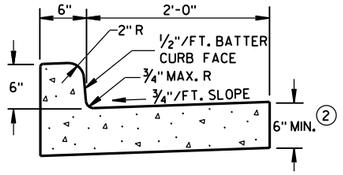
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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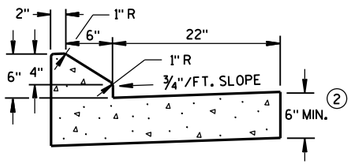
S.D.D. 8 C 8-1

6

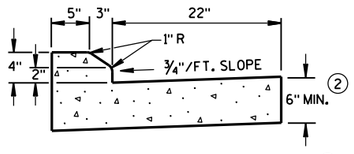
S.D.D. 8 C 8-1



TYPES A & D ①

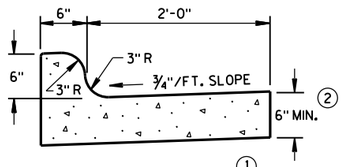


6" SLOPED CURB TYPES G & J ①

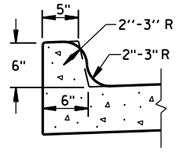


4" SLOPED CURB TYPES G & J ①

CONCRETE CURB & GUTTER 30"

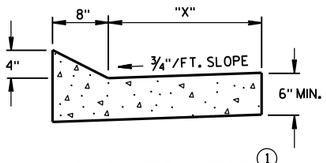


TYPES K & L ①



OPTIONAL CURB SHAPE FOR TYPES K & L ①

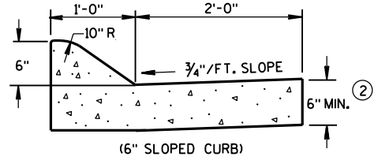
CONCRETE CURB & GUTTER 30"



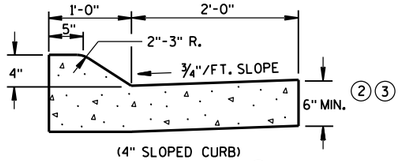
TYPES TBT & TBTT ①

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

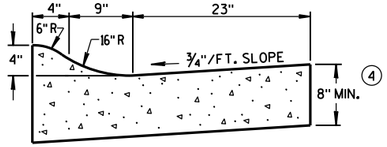


(6" SLOPED CURB)



(4" SLOPED CURB)

TYPES A & D ①



4" SLOPED CURB TYPES R & T ①⑤

CONCRETE CURB & GUTTER 36"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

① TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

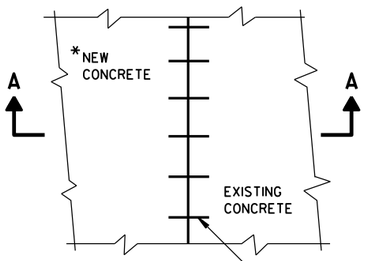
② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

③ USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

④ THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

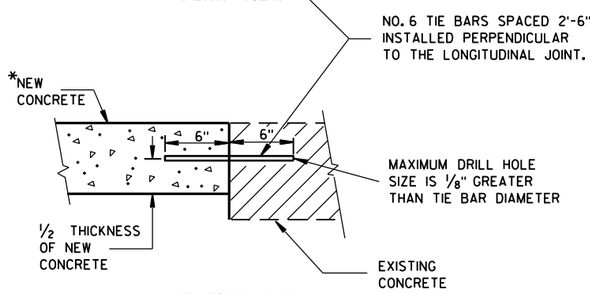
⑤ THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

⑥ WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



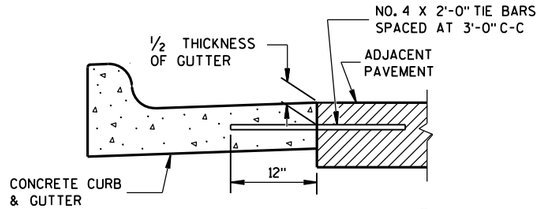
PLAN VIEW

*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

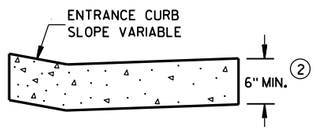


SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT

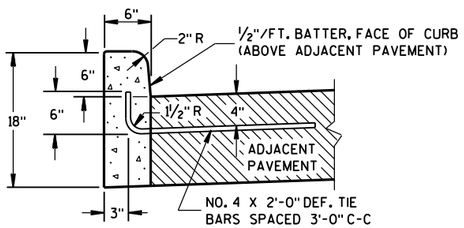


TYPICAL TIE BAR LOCATION ①

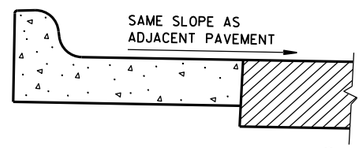


DRIVEWAY ENTRANCE CURB

(WHEN DIRECTED BY THE ENGINEER)

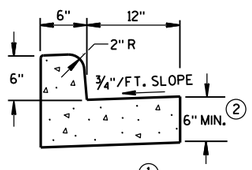


① TYPES A & D



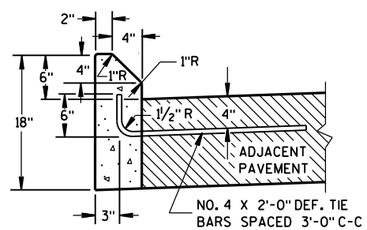
⑥ REVERSE SLOPE GUTTER

(TYPICAL FOR ALL CURB & GUTTER TYPES)



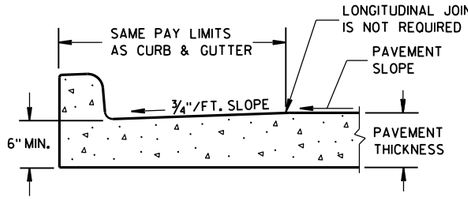
① TYPES A & D

CONCRETE CURB & GUTTER 18"

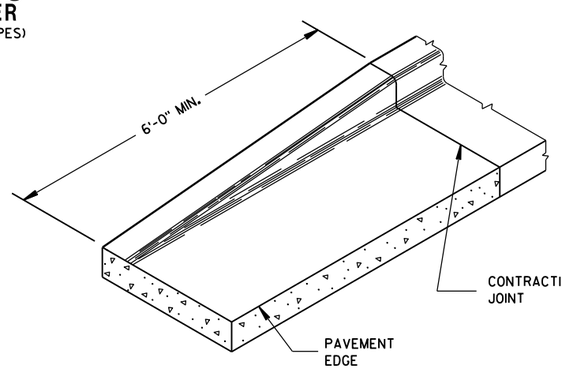


① TYPES G & J

CONCRETE CURB



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



END SECTION CURB & GUTTER

CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

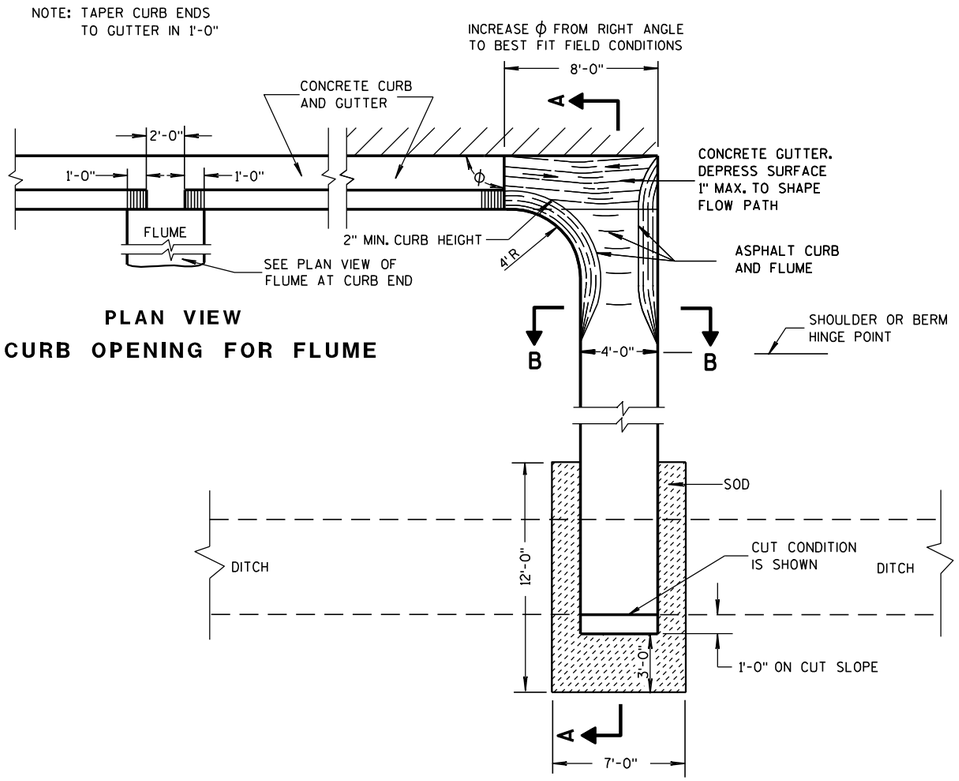
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2016 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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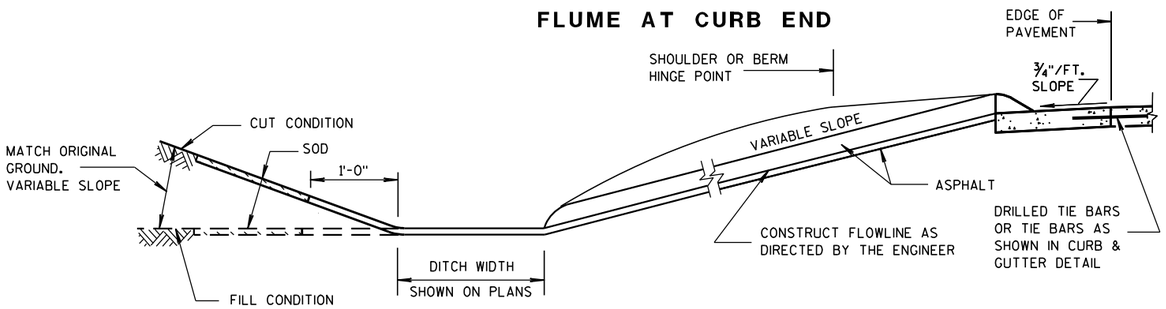
S.D.D. 8 D 1-19

ASPHALTIC FLUME

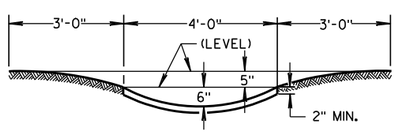


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

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

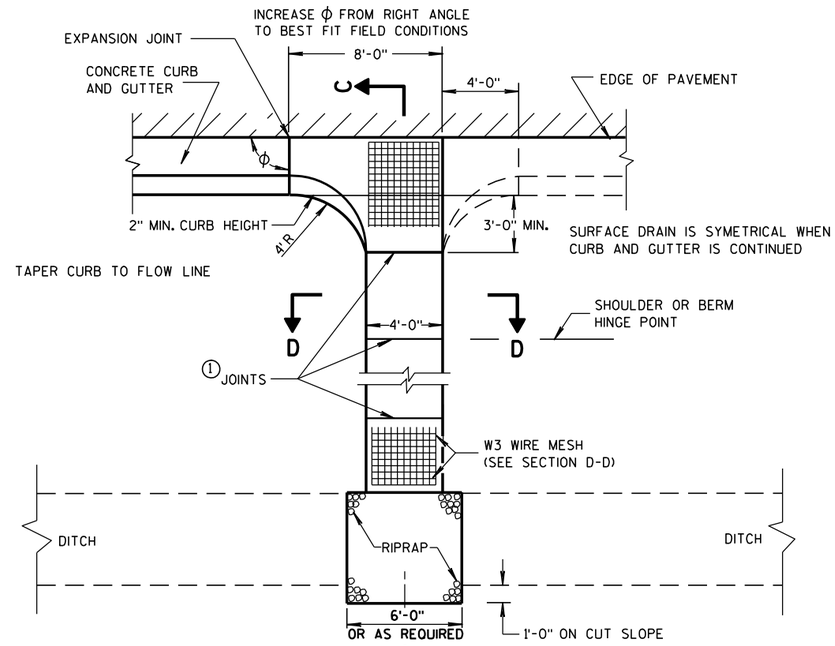
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE $\frac{1}{8}$ TO $\frac{1}{4}$ INCH WIDE BY $1\frac{1}{2}$ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

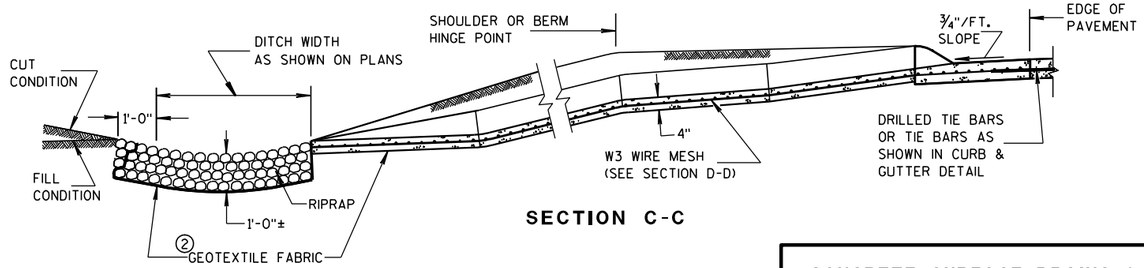
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

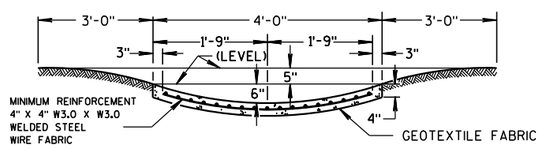
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

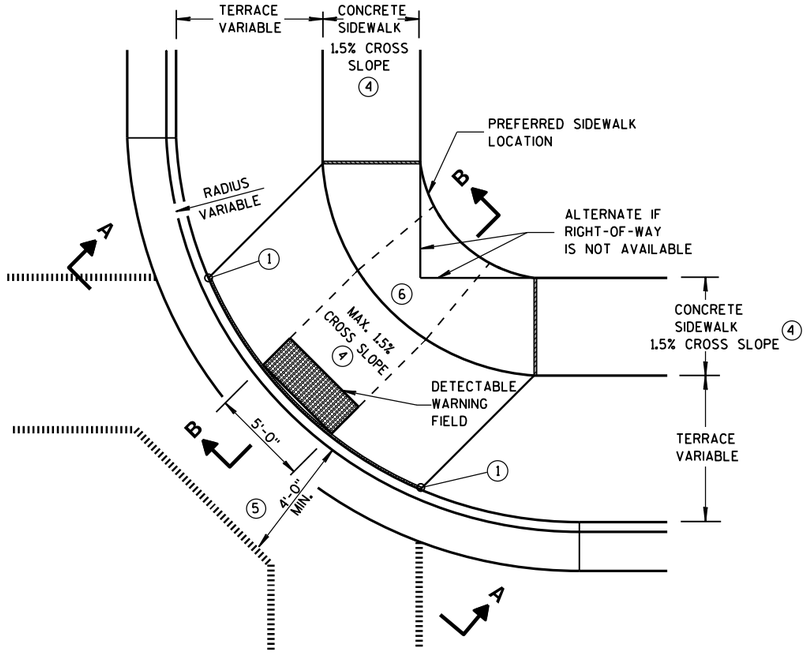
APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
221
MENT
FHWA

6

S.D.D. 8 D 4-5

6

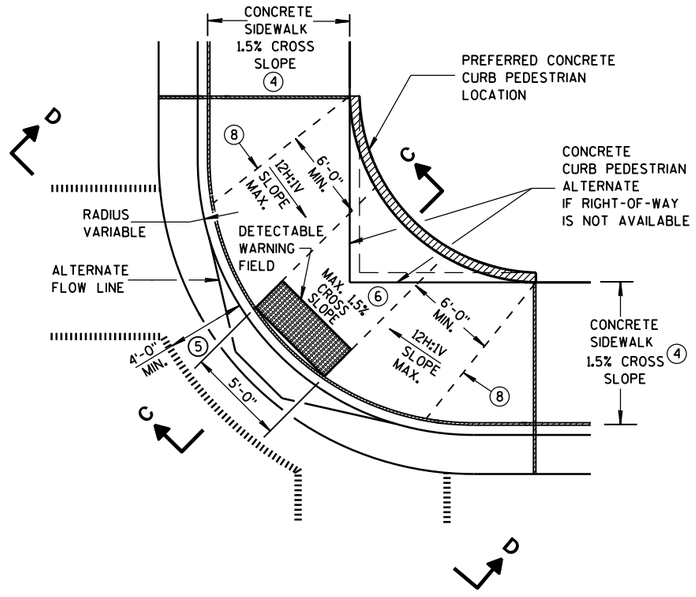
S.D.D. 8 D 4-5



PLAN VIEW

TYPE 1 RAMP

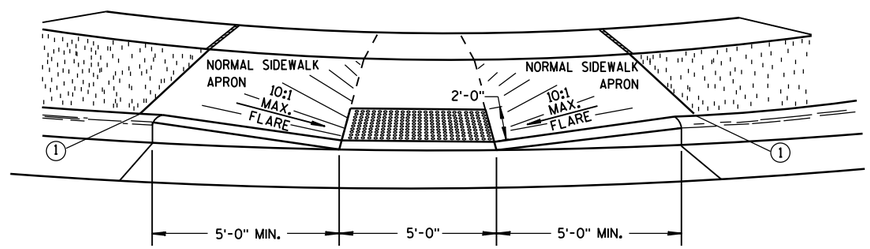
(CENTER OF CORNER RADIUS)



PLAN VIEW

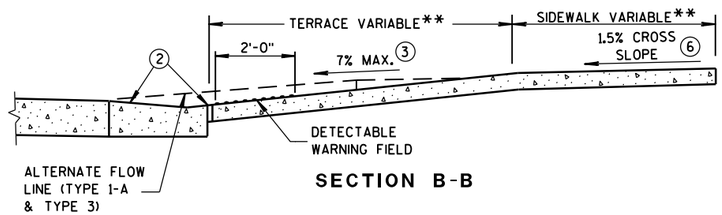
TYPE 1-A RAMP

(NO TERRACE)

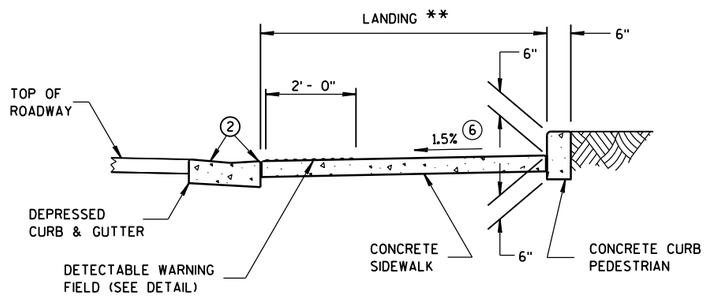


VIEW A-A

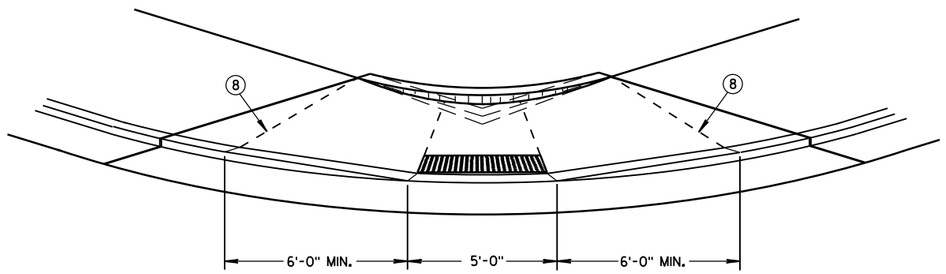
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B



SECTION C-C



VIEW D-D

GENERAL NOTES

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

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FIELD SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAL FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD".

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA. (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

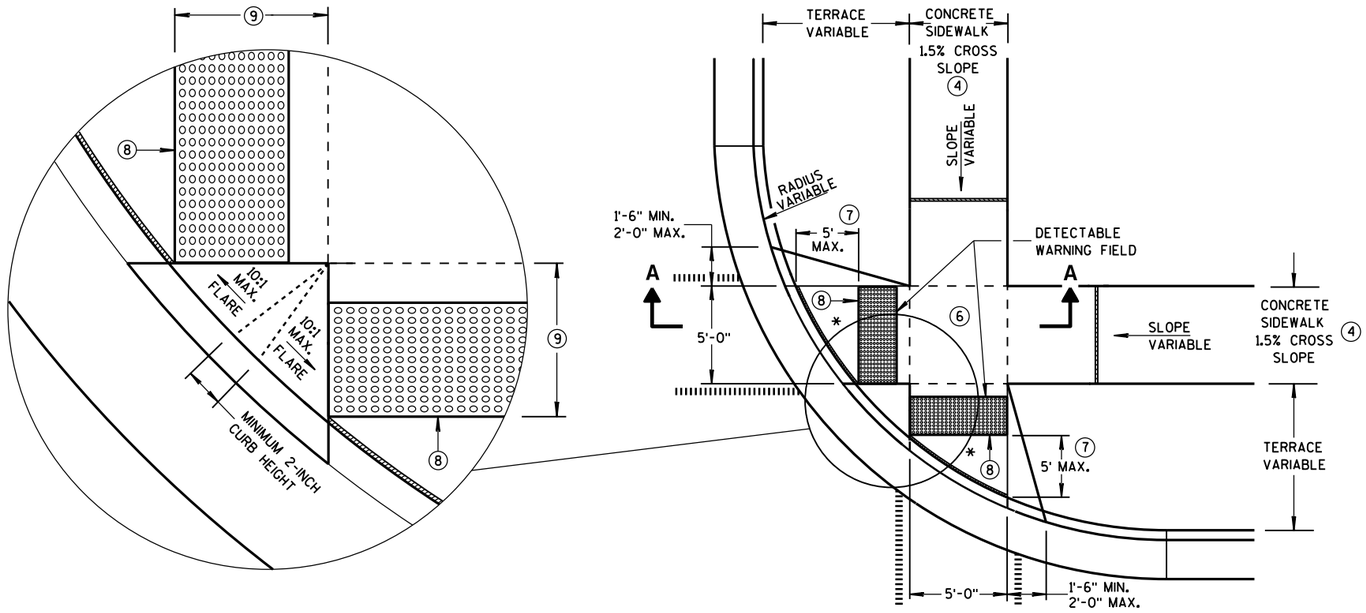
- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

CURB RAMPS TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

S.D.D. 8 D 5-17a

S.D.D. 8 D 5-17a

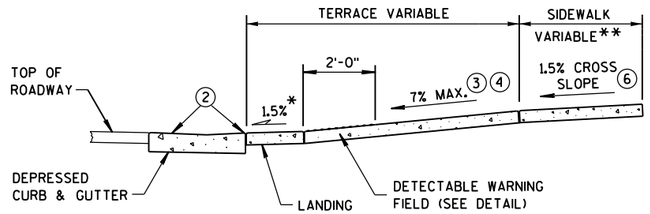


PLAN VIEW

TYPE 2 RAMP

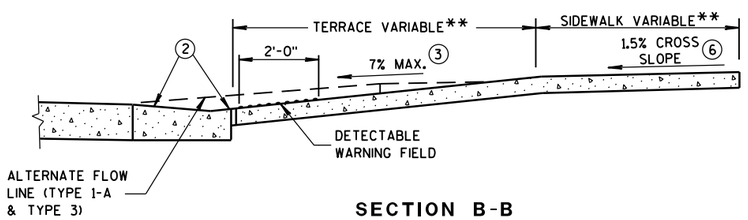
(ON LINE WITH SIDEWALK)

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK



SECTION A-A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

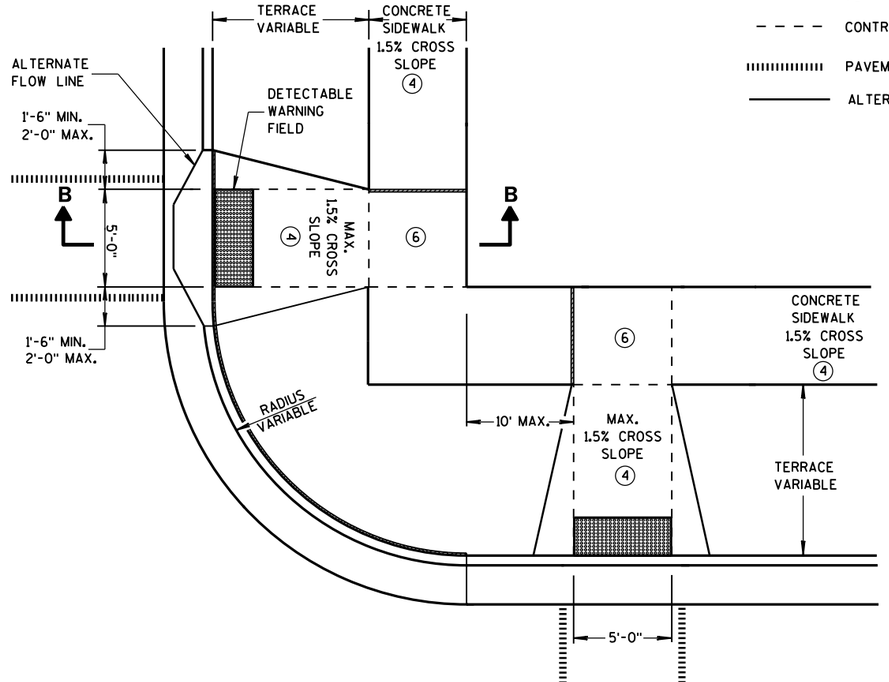
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, STAGGER ADDITIONAL DETECTABLE WARNING PANEL FORWARD TO REDUCE THIS DISTANCE. PROVIDE MINIMUM 12-INCH ROW OVERLAP TO AVOID SIDESTEP OF DOME DETECTION. ALIGN DOMES BETWEEN OVERLAPPING ROWS AND IN DIRECTION OF PEDESTRIAN TRAVEL.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(9) WHEN THIS DISTANCE IS LESS THAN 6'-0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

LEGEND

- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



PLAN VIEW

TYPE 3 RAMP

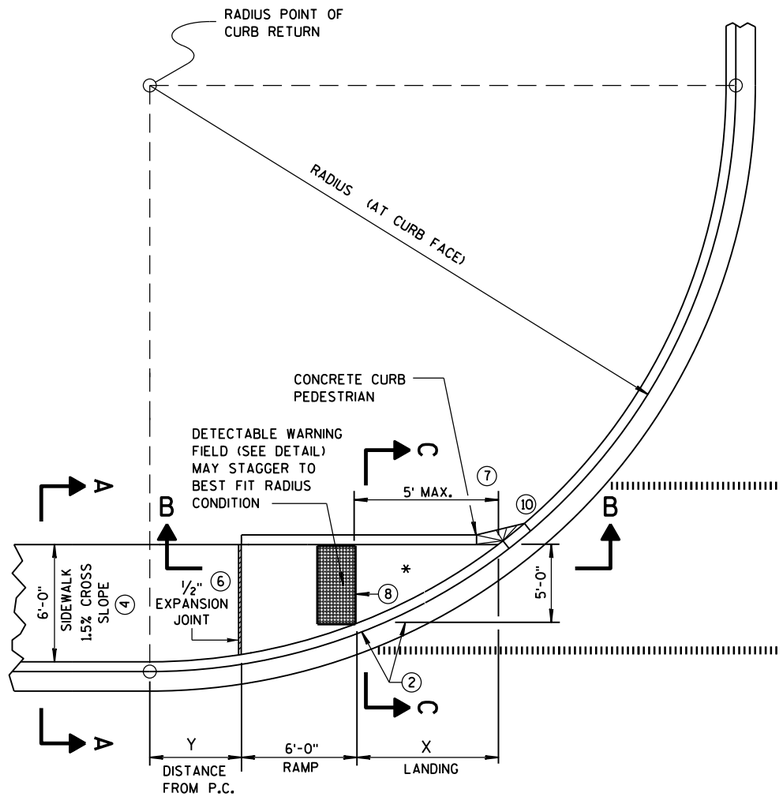
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS TYPES 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

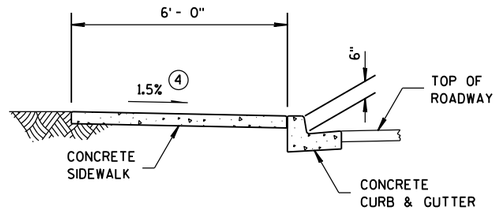
S.D.D. 8 D 5-17b



CURB RAMP TYPE 4A
PLAN VIEW

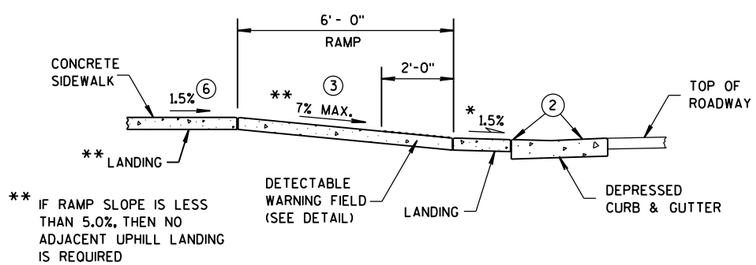
RADIUS (AT CURB FACE)	X	Y
20 FEET	7'-11"	0'-2"
30 FEET	10'-2¾"	1'-7½"
40 FEET	12'-1¼"	2'-10"
50 FEET	13'-8¾"	3'-10¾"
60 FEET	15'-2"	4'-10¼"

INTERMEDIATE RADII CAN BE INTERPOLATED

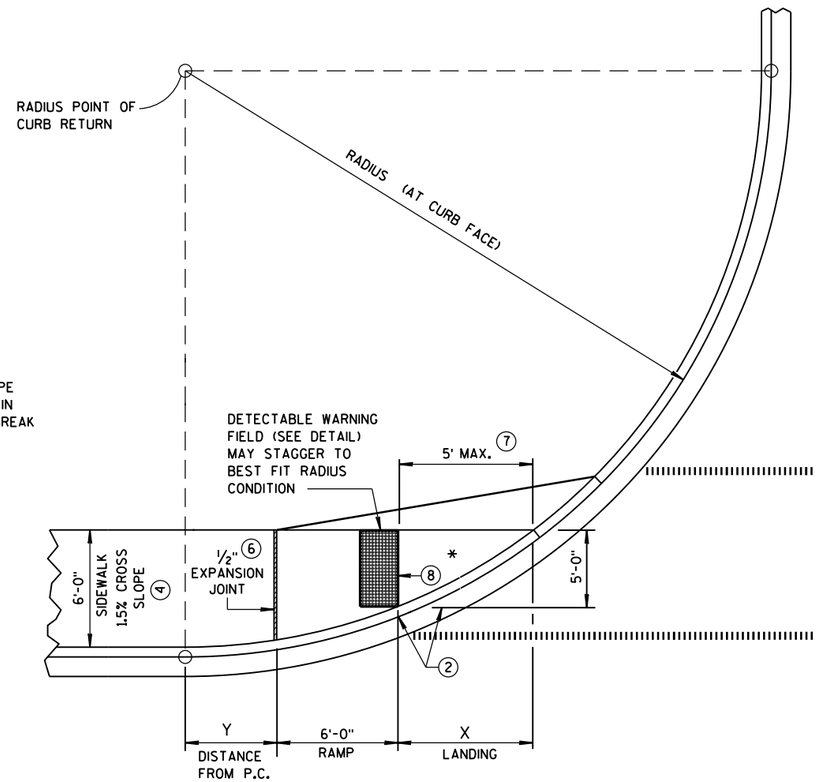


SECTION A-A FOR TYPE 4A

SECTION C-C FOR TYPE 4A



SECTION B-B FOR TYPE 4A



* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

CURB RAMP TYPE 4A1
PLAN VIEW

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

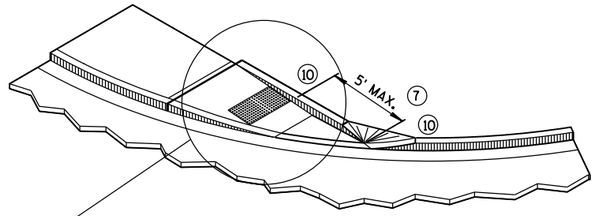
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

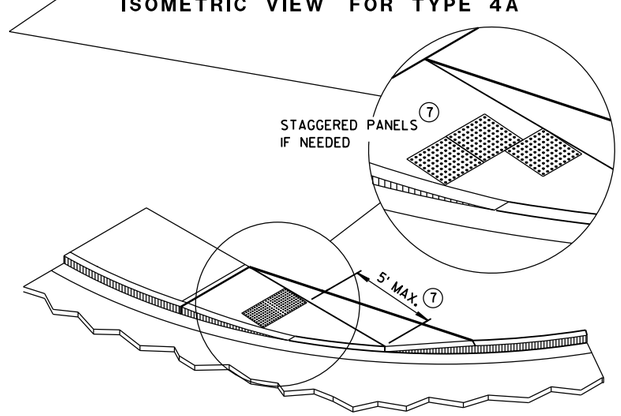
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, STAGGER ADDITIONAL DETECTABLE WARNING PANEL FORWARD TO REDUCE THIS DISTANCE. PROVIDE MINIMUM 12-INCH ROW OVERLAP TO AVOID SIDESTEP OF DOME DETECTION. ALIGN DOMES BETWEEN OVERLAPPING ROWS AND IN DIRECTION OF PEDESTRIAN TRAVEL.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

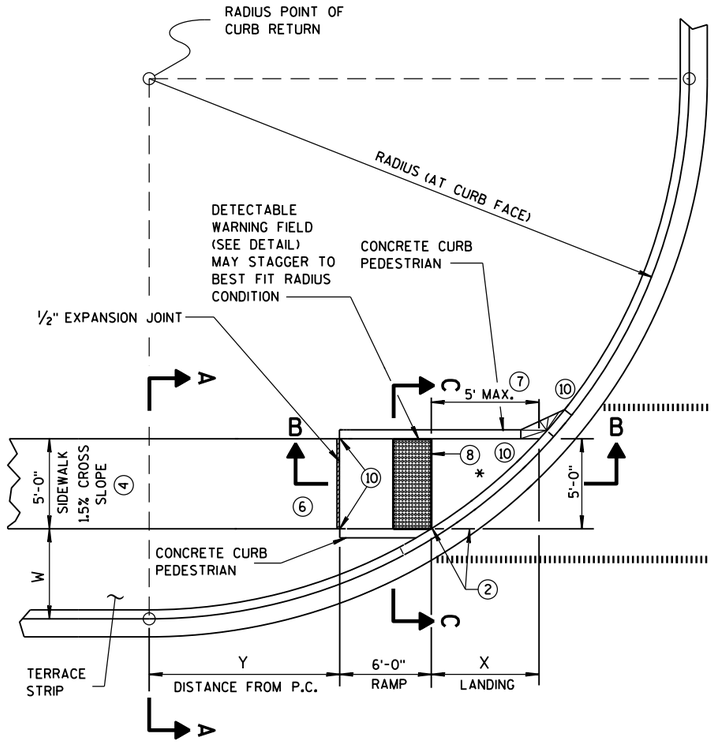
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPES 4A AND 4A1

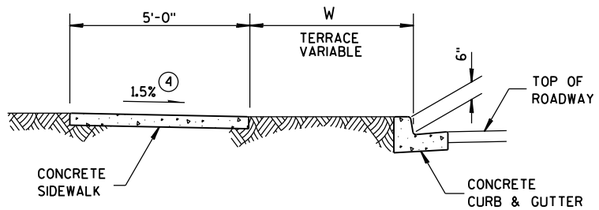
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

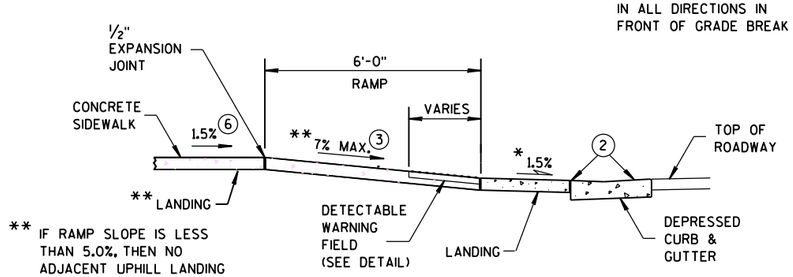
S.D.D. 8 D 5-17c



CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



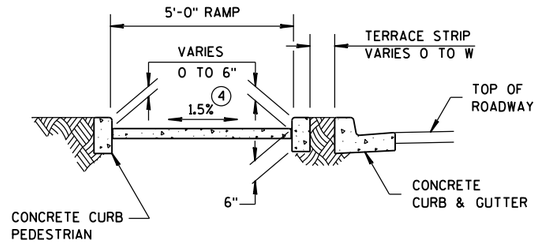
SECTION B-B FOR TYPE 4B

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

PAVEMENT MARKING CROSSWALK (WHITE)



SECTION C-C FOR TYPE 4B

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5'-9¾"	3'-6½"	4'-11½"	5'-1¾"	4'-3¼"	6'-5½"	3'-8¾"	7'-6¾"	3'-3"	8'-6¼"
30 FEET	7'-9¼"	5'-10½"	6'-9½"	7'-11¼"	6'-0¼"	9'-8"	5'-5"	11'-1¾"	4'-10¾"	12'-5¾"
40 FEET	9'-4"	7'-10"	8'-2¾"	10'-3"	7'-4¾"	12'-3¾"	6'-8½"	14'-1¼"	6'-1¾"	15'-8½"
50 FEET	10'-8"	9'-6½"	9'-5½"	12'-3¼"	8'-6½"	14'-7½"	7'-9¾"	16'-8¼"	7'-2½"	18'-6¼"
60 FEET	11'-10¼"	11'-0¾"	10'-6½"	14'-1¼"	9'-6½"	16'-8½"	8'-9¼"	18'-11¾"	8'-1½"	21'-0½"

INTERMEDIATE RADII CAN BE INTERPOLATED

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

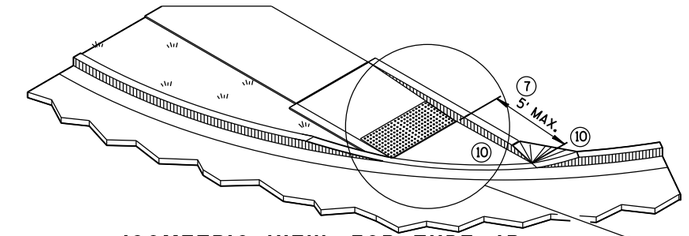
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

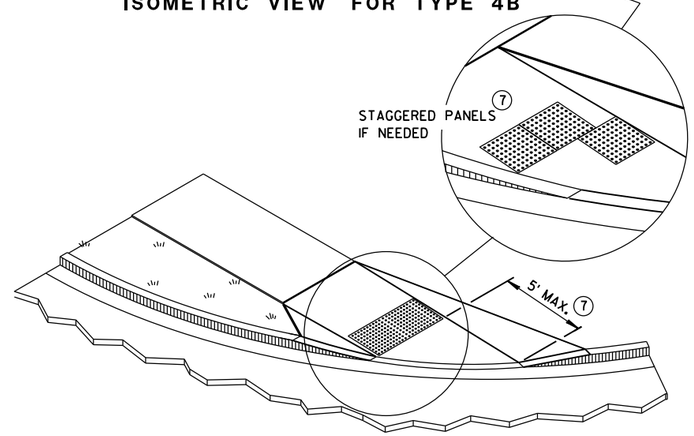
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, STAGGER ADDITIONAL DETECTABLE WARNING PANEL FORWARD TO REDUCE THIS DISTANCE. PROVIDE MINIMUM 12-INCH ROW OVERLAP TO AVOID SIDESTEP OF DOME DETECTION. ALIGN DOMES BETWEEN OVERLAPPING ROWS AND IN DIRECTION OF PEDESTRIAN TRAVEL.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

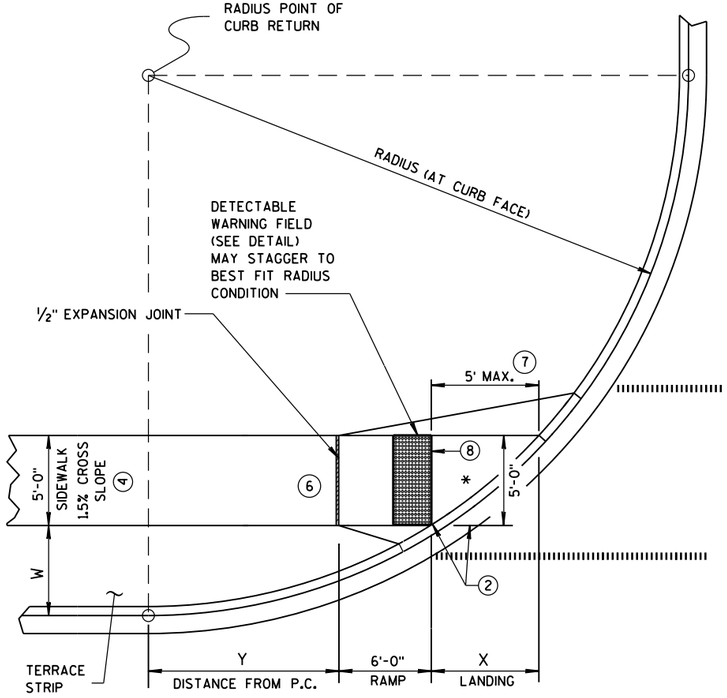
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1



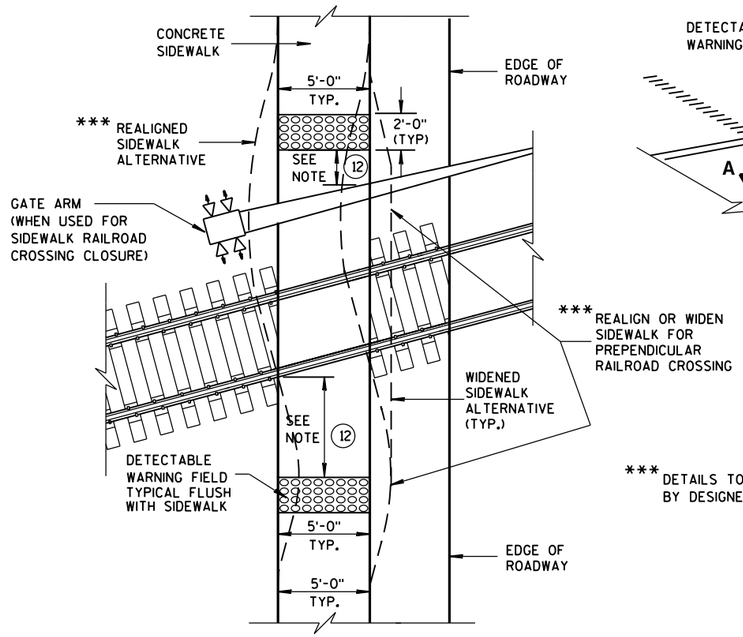
CURB RAMP TYPE 4B1
PLAN VIEW

CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

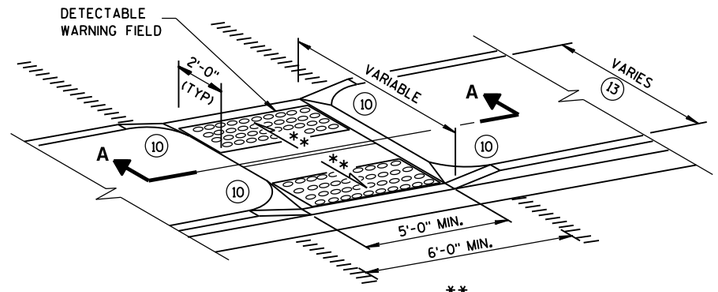
6

S.D.D. 8 D 5-17d



*** DETAILS TO BE DETERMINED BY DESIGNER

TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING



** 1% MIN. (PROVIDE DRAINAGE)

MEDIAN ISLAND NON-ELEVATED CROSSING
TYPE 5

GENERAL NOTES

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

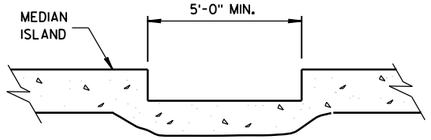
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ± 0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

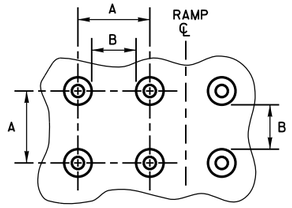
(13) DO NOT INSTALL DETECTABLE WARNING FIELDS IF MEDIAN WIDTH BETWEEN BACK OF CURBS IS LESS THAN 6 FEET.



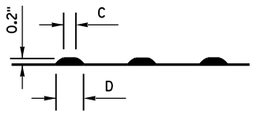
SECTION A-A

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

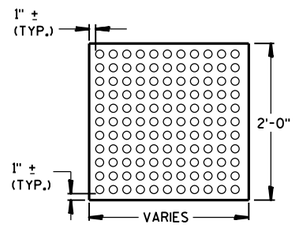


PLAN VIEW



ELEVATION VIEW

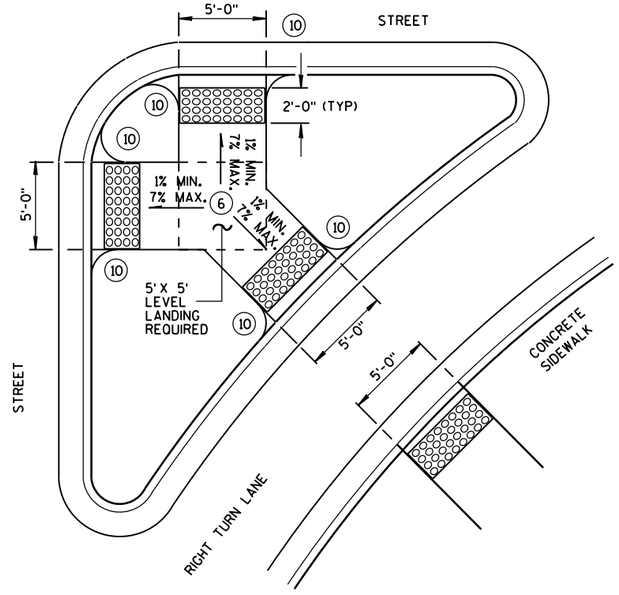
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



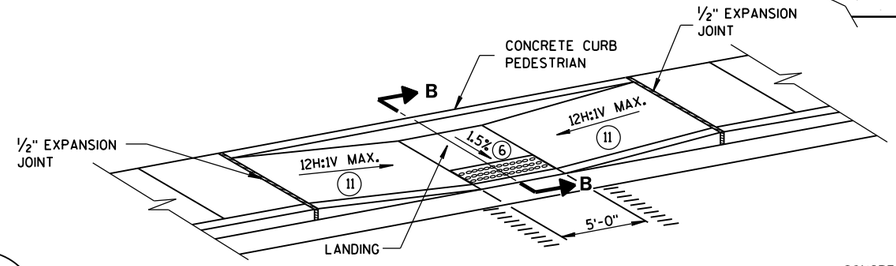
PLAN VIEW

DETECTABLE WARNING FIELD (TYPICAL)

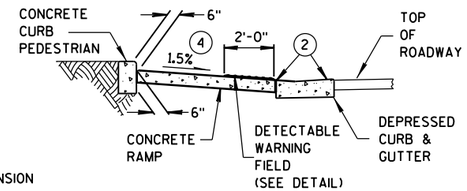
REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



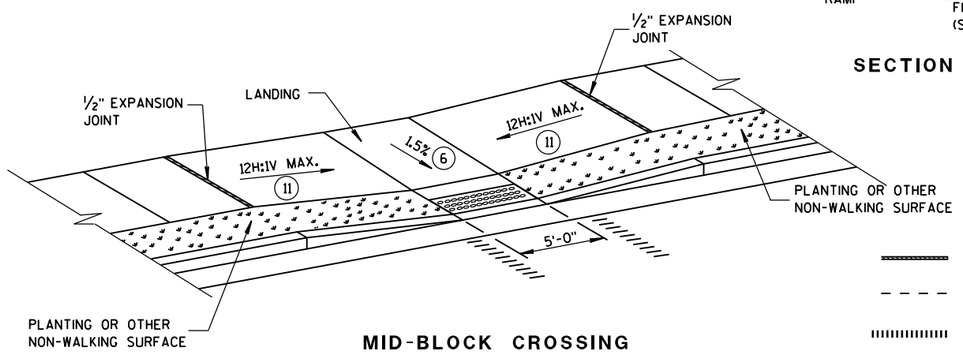
TYPE 6
DETECTABLE WARNING AT ISLANDS



MID-BLOCK CROSSING
TYPE 7A



SECTION B-B



MID-BLOCK CROSSING
TYPE 7B

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

LEGEND

- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPES 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

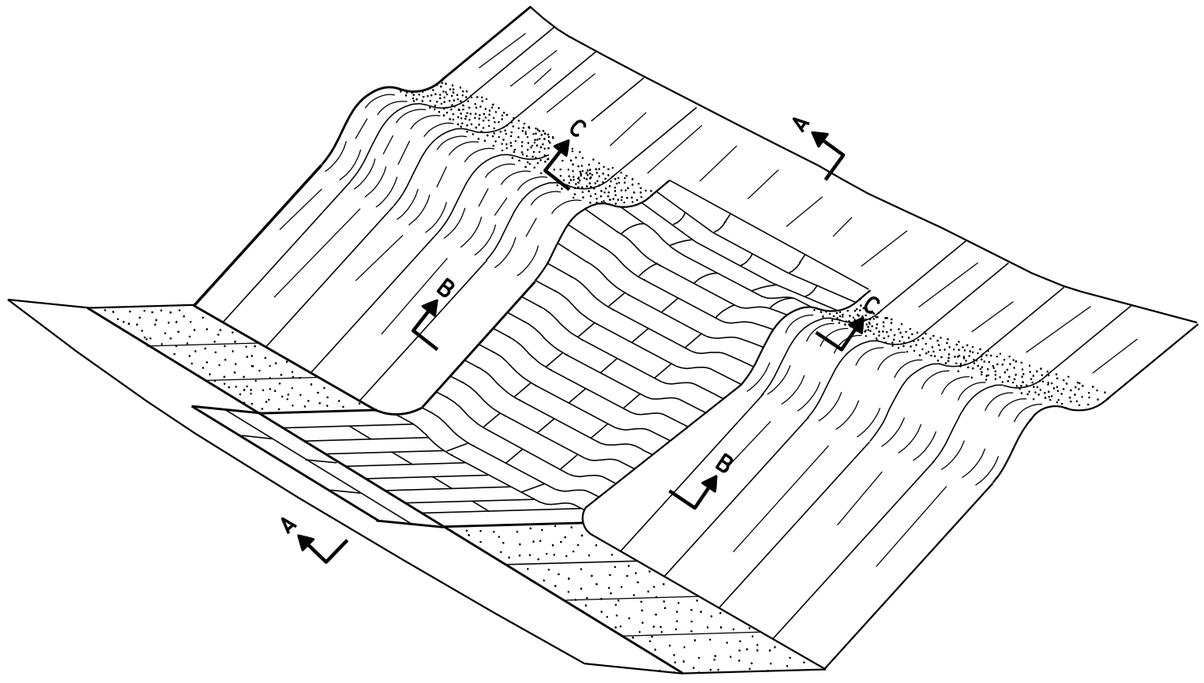
APPROVED
June, 2016 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

S.D.D. 8 D 5-17e

6

S.D.D. 8 D 5-17e



PERSPECTIVE

BACKSLOPE WITH FLUME AND INTERCEPTING EMBANKMENT

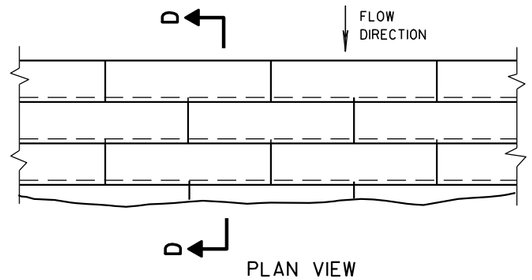
GENERAL NOTES

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

GRADING AND SHAPING INTERCEPTING EMBANKMENT WILL BE MEASURED AND PAID FOR IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, SECTION 205, "ROADWAY AND DRAINAGE EXCAVATION".

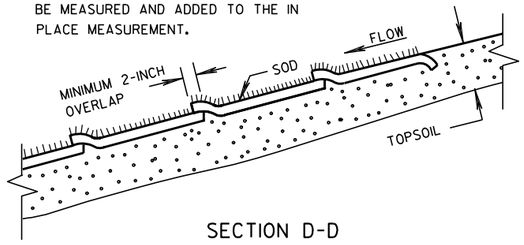
SOD STRIPS SHALL BE LAID TRANSVERSELY TO THE DIRECTION OF THE WATER FLOW.

DIMENSIONS SHALL BE ADJUSTED TO FIT SITE CONDITIONS AS DIRECTED BY THE ENGINEER.



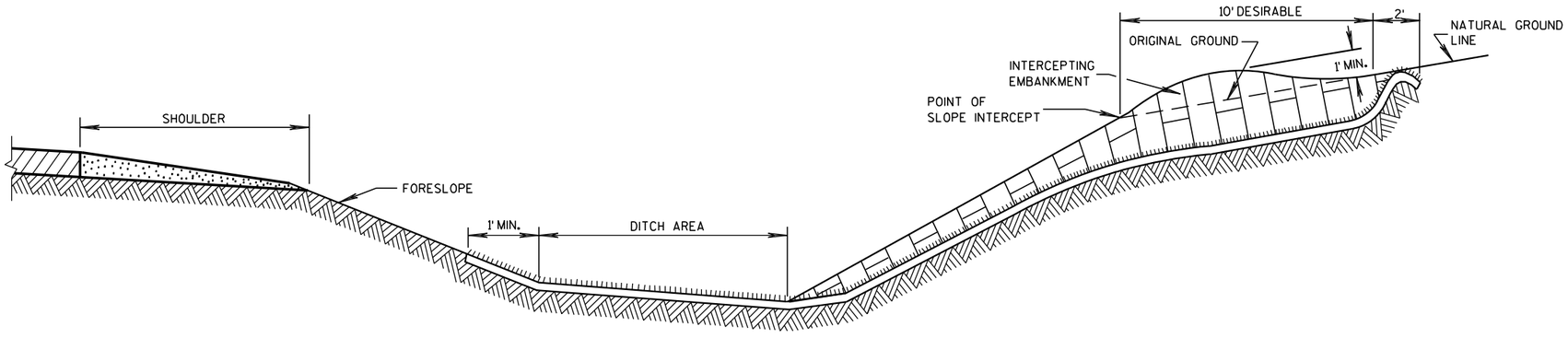
PLAN VIEW

NOTE:
SOD SHALL BE LAID AS SHOWN ON THE PLAN VIEW, AND AS DIRECTED BY THE ENGINEER. THE SOD OVERLAP WILL BE MEASURED AND ADDED TO THE IN PLACE MEASUREMENT.

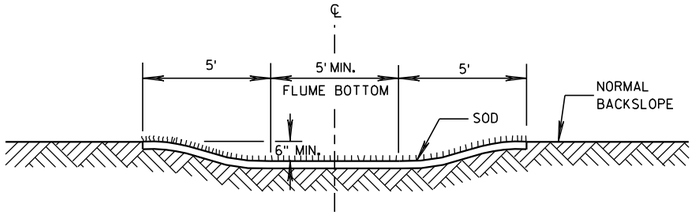


SECTION D-D

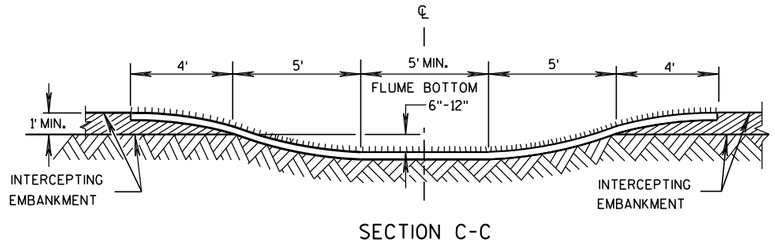
DETAIL FOR OVERLAP OF SOD STRIPS



SECTION A-A



SECTION B-B



SECTION C-C

SODDED BACKSLOPE FLUME AND INTERCEPTING EMBANKMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

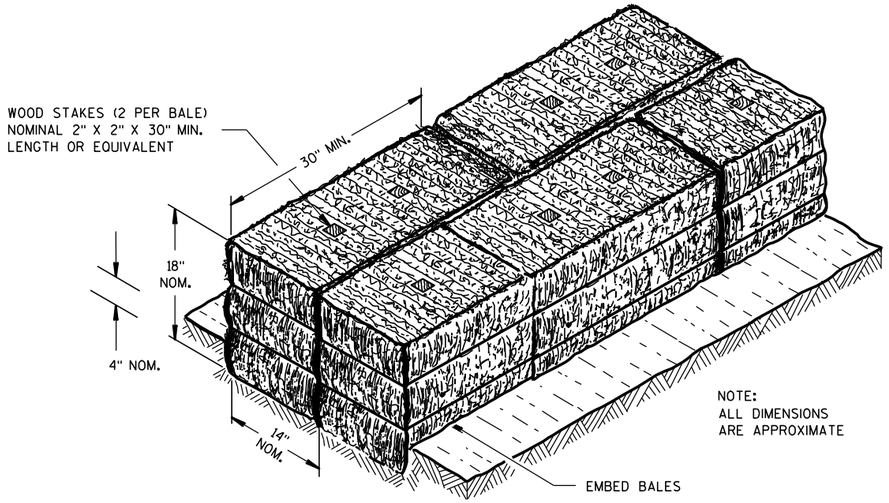
APPROVED
10/24/95 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

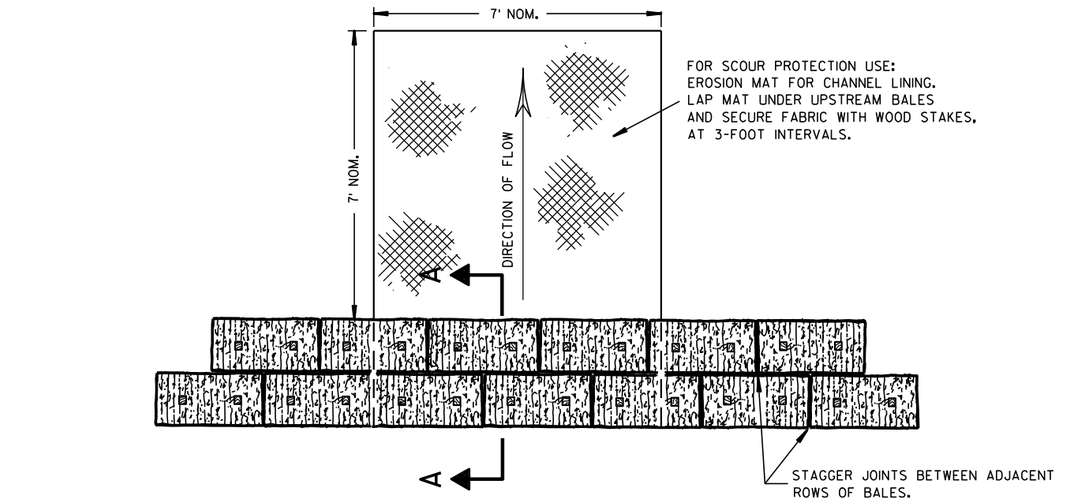
S.D.D. 8 E 5-2

6

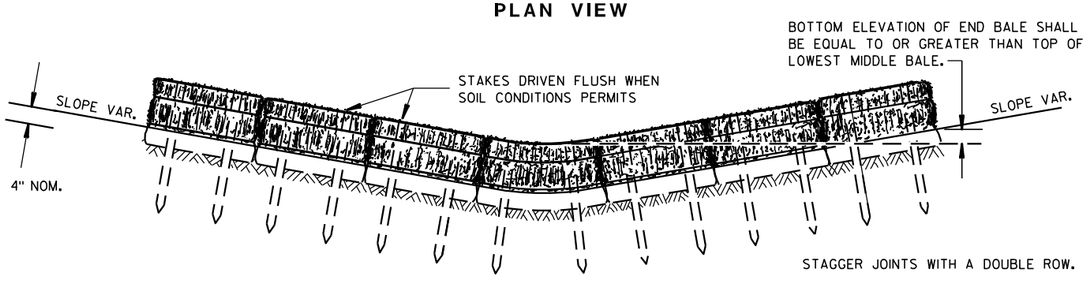
S.D.D. 8 E 5-2



SECTION A-A



PLAN VIEW



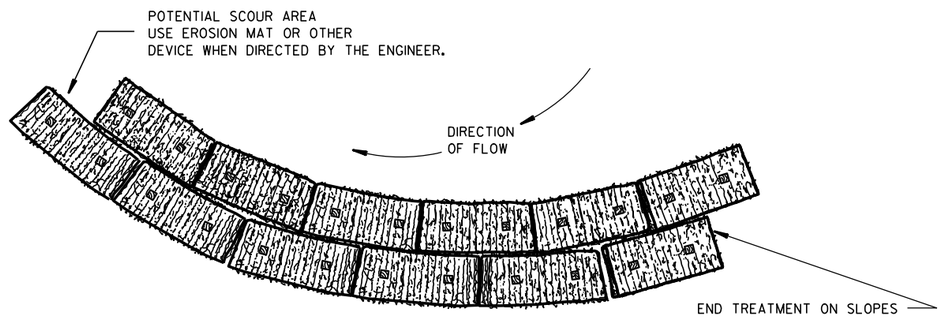
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

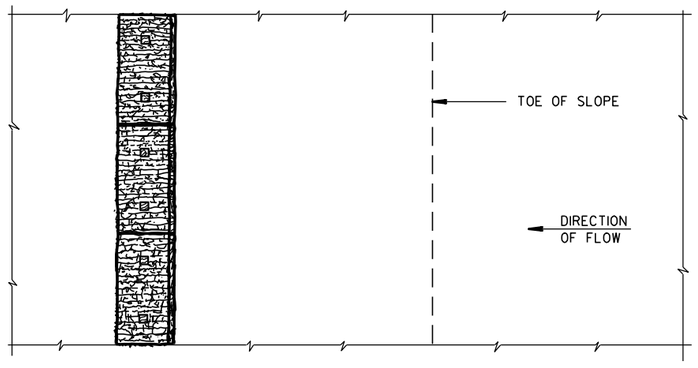
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

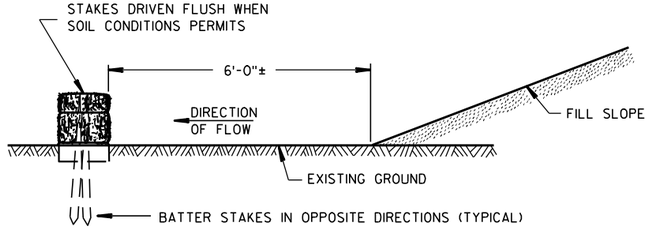


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

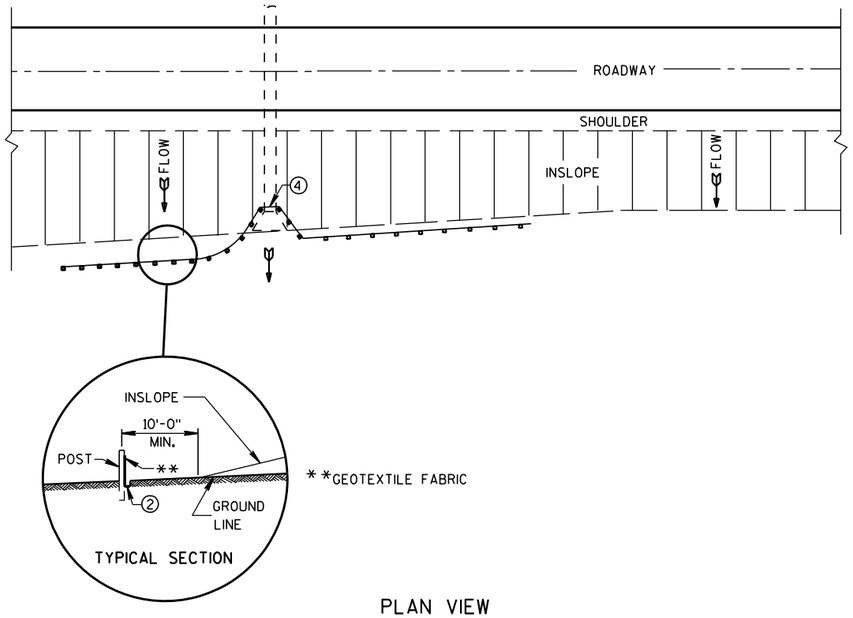
APPROVED
6/04/02 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 8-3

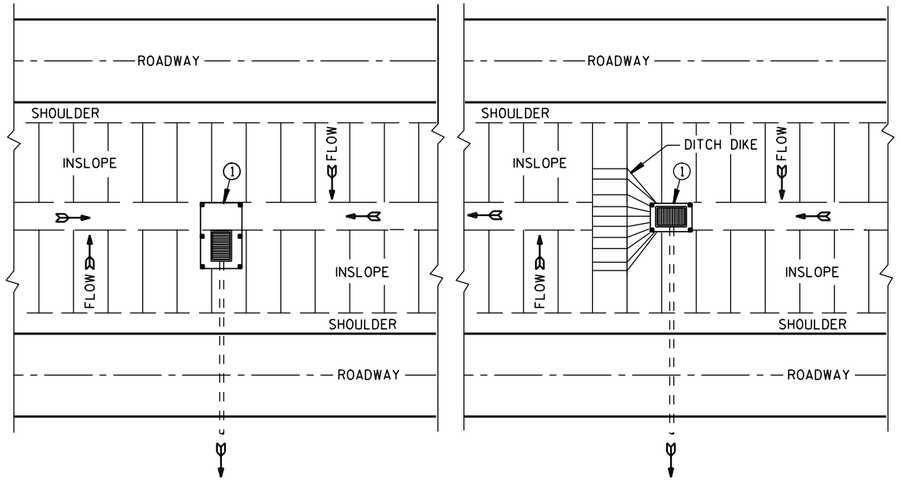
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



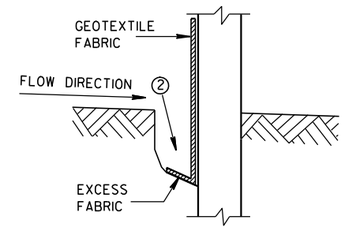
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

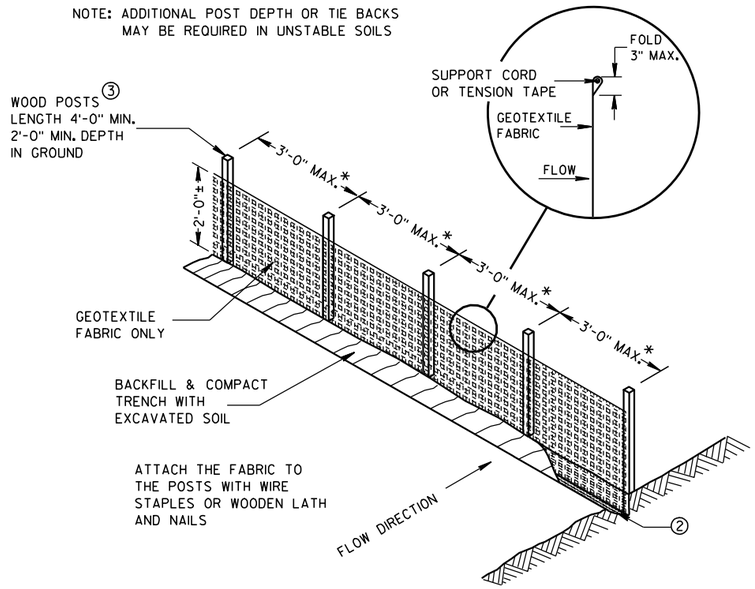
GENERAL NOTES

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

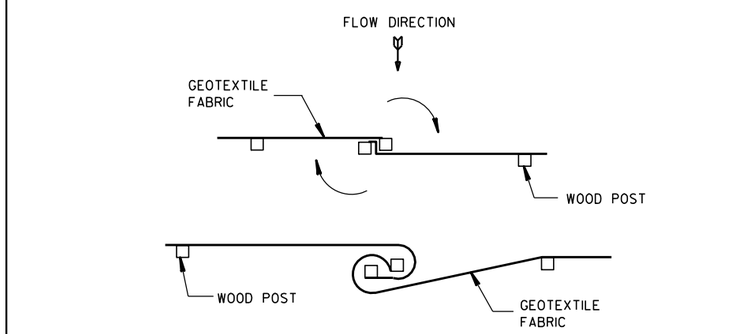
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



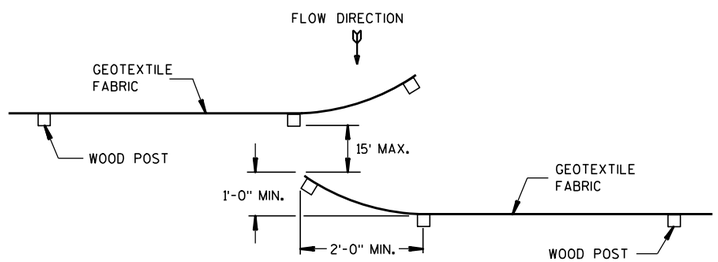
TRENCH DETAIL



SILT FENCE

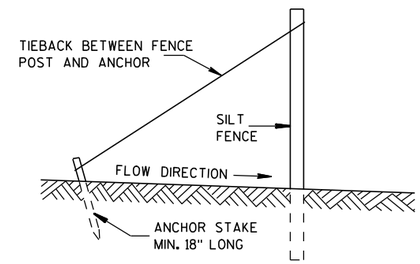


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

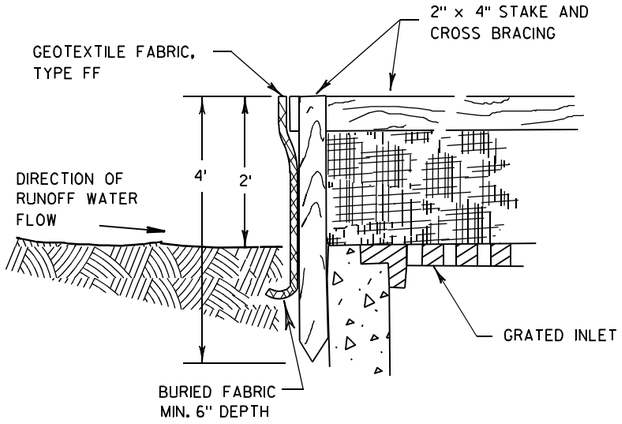
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

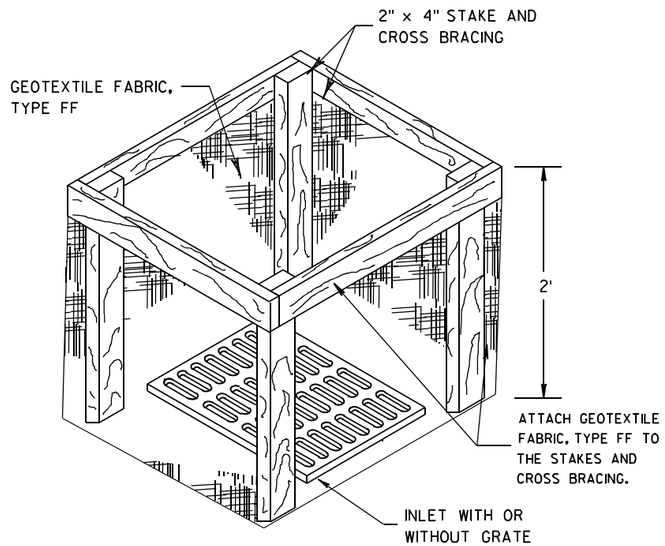
6

S.D.D. 8 E 9-6

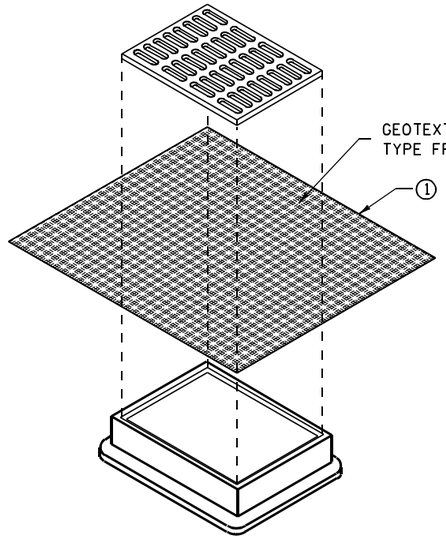
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S.D.D. 8 E 9-6



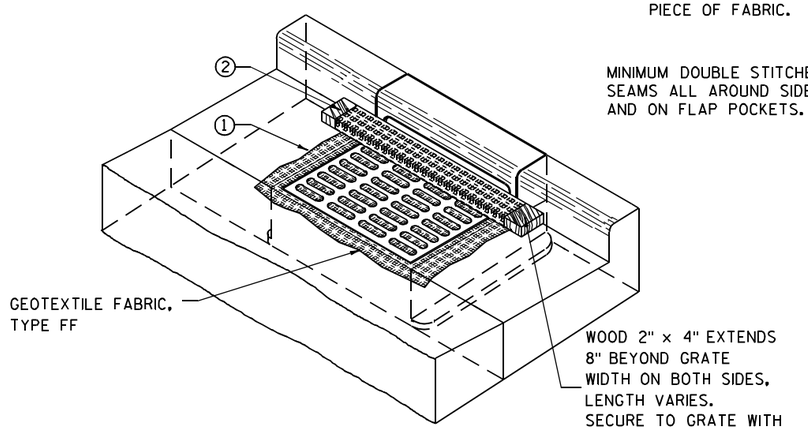


INLET PROTECTION, TYPE A

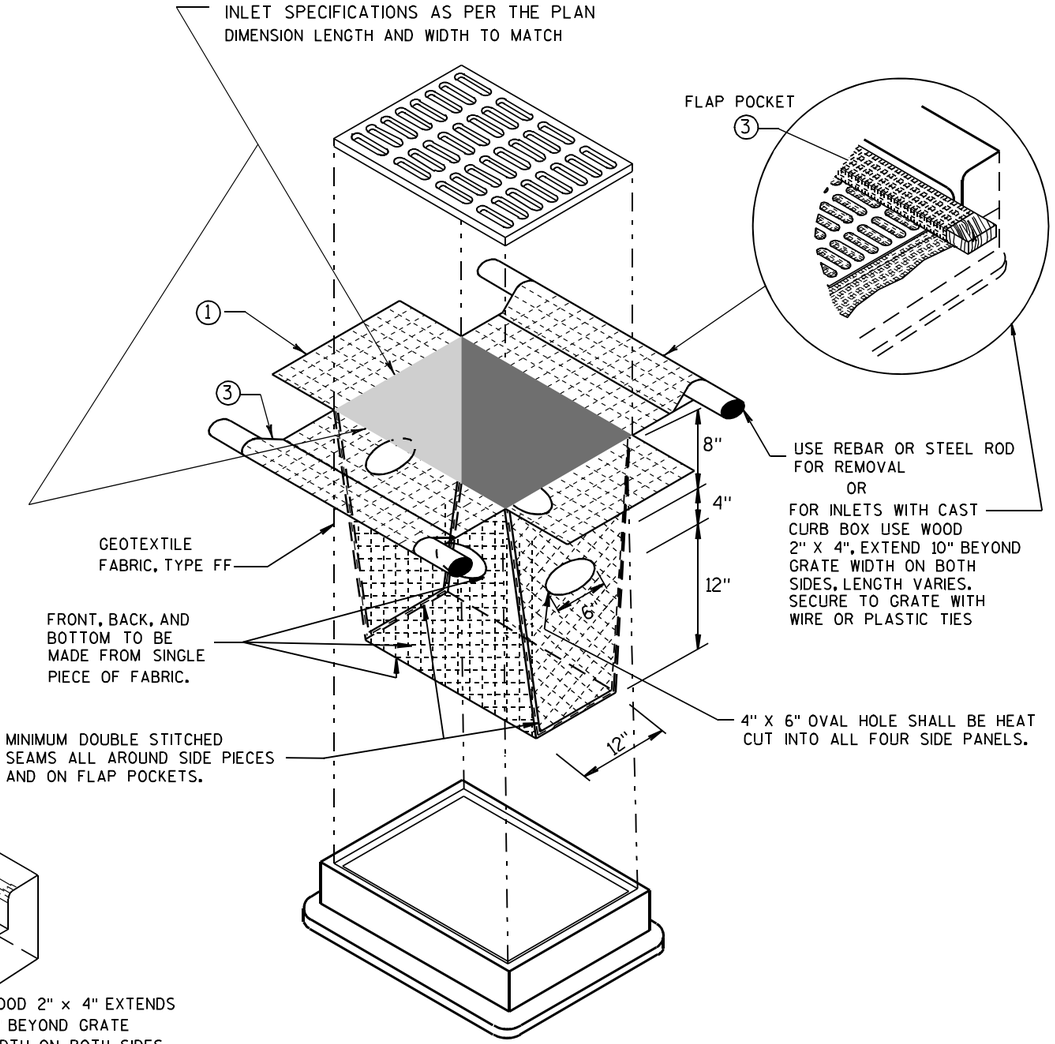


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

6

S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2

METAL APRON ENDWALLS

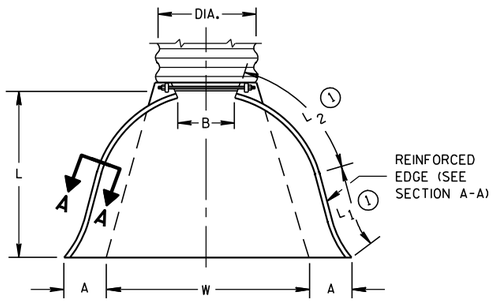
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

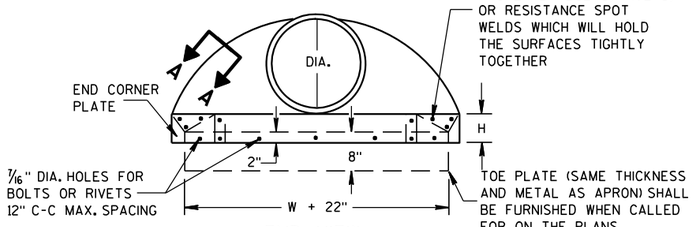
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

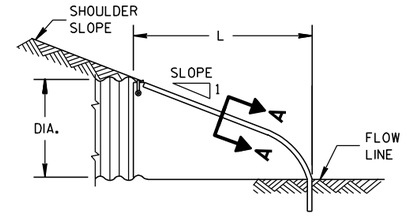
* MINIMUM
** MAXIMUM



PLAN VIEW

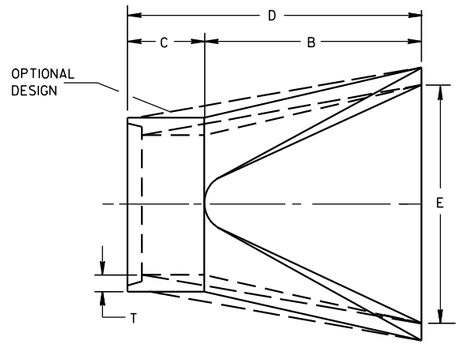


END VIEW

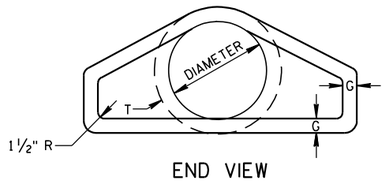


SIDE ELEVATION

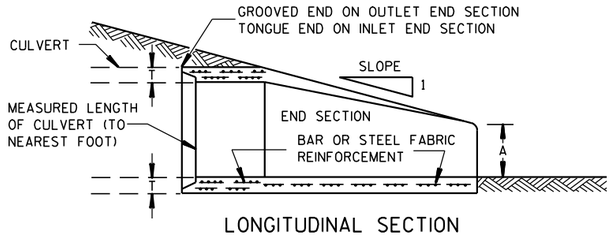
METAL ENDWALLS



PLAN

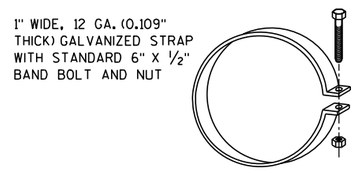


END VIEW



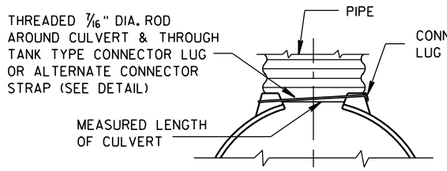
LONGITUDINAL SECTION

CONCRETE ENDWALLS

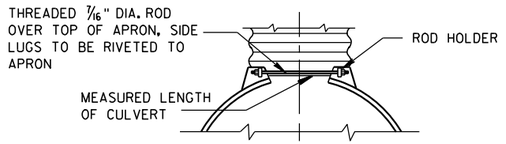


ALTERNATE FOR TYPE 1 CONNECTION

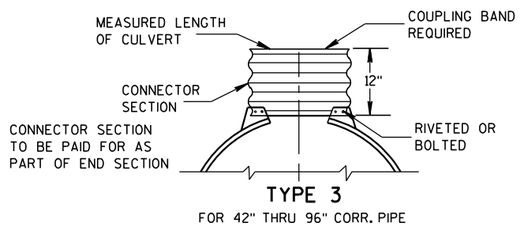
END SECTION CONNECTOR STRAP



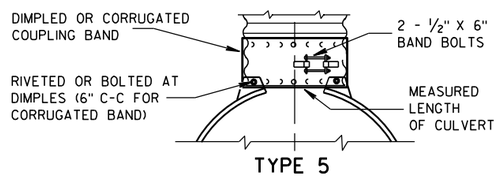
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

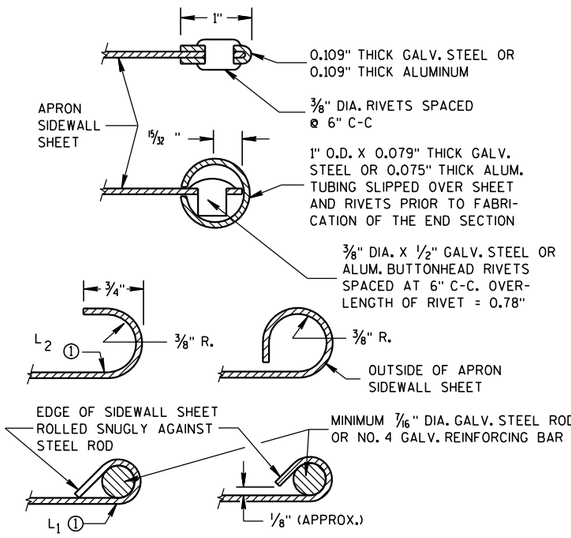
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

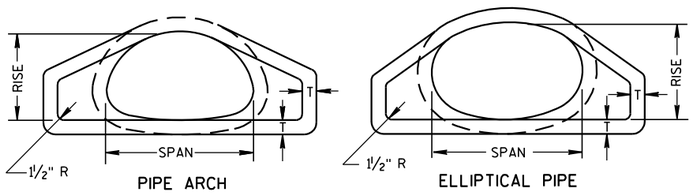
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

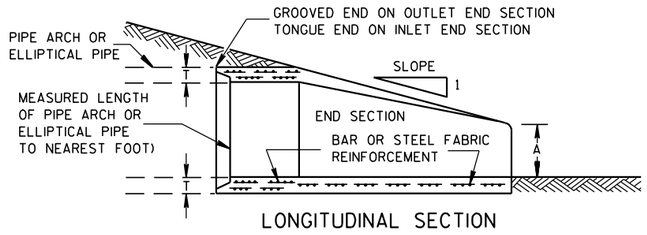
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

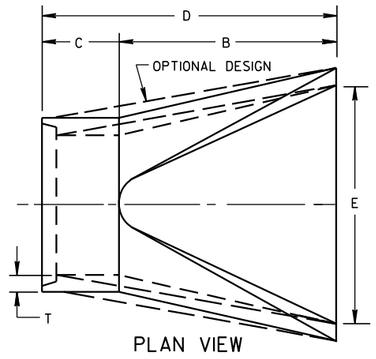
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S.D.D. 8 F 1-11



END VIEW

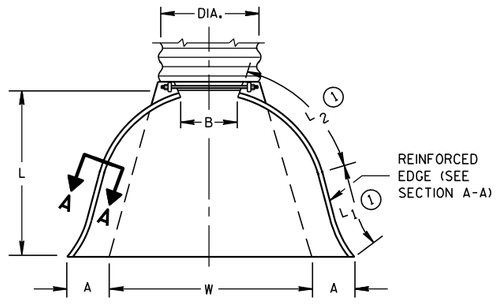


LONGITUDINAL SECTION

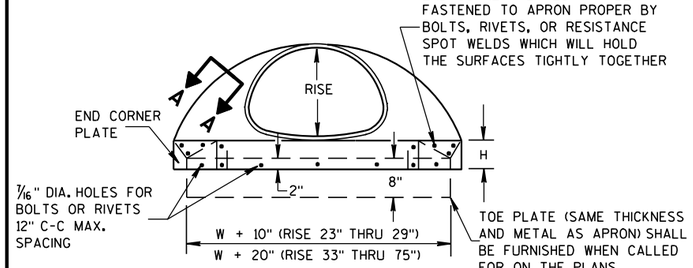


PLAN VIEW

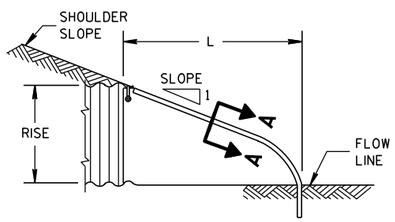
CONCRETE ENDWALLS



PLAN VIEW

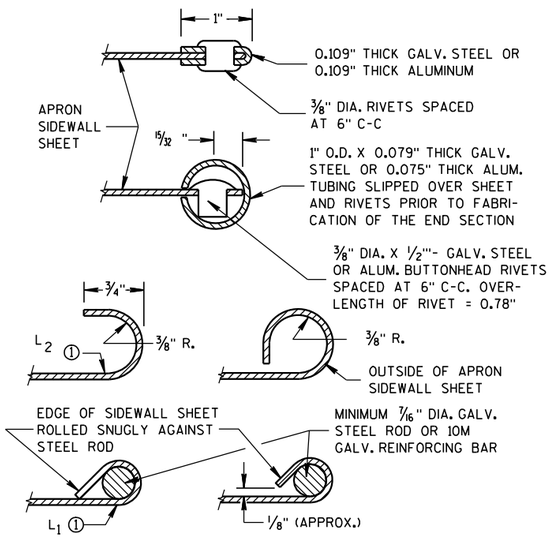


END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

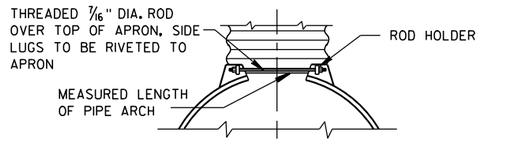
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

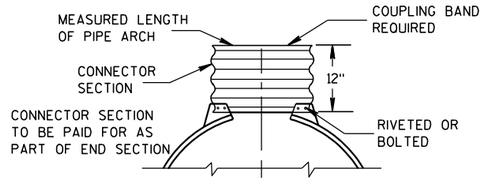
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



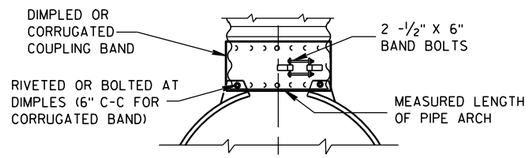
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

GENERAL NOTES

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

CONCRETE APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE ARCH PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 77" X 52" THROUGH 112" X 75" APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/94 — DATE

/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER

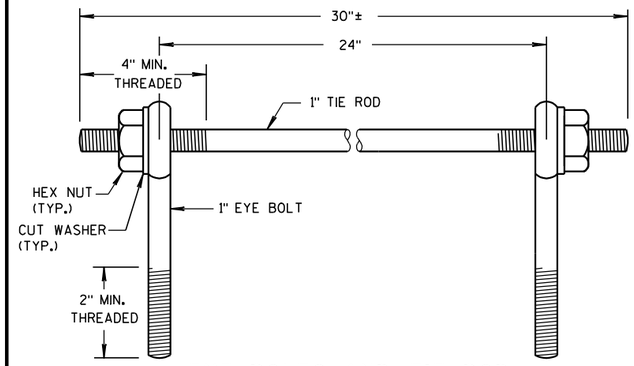
FHWA

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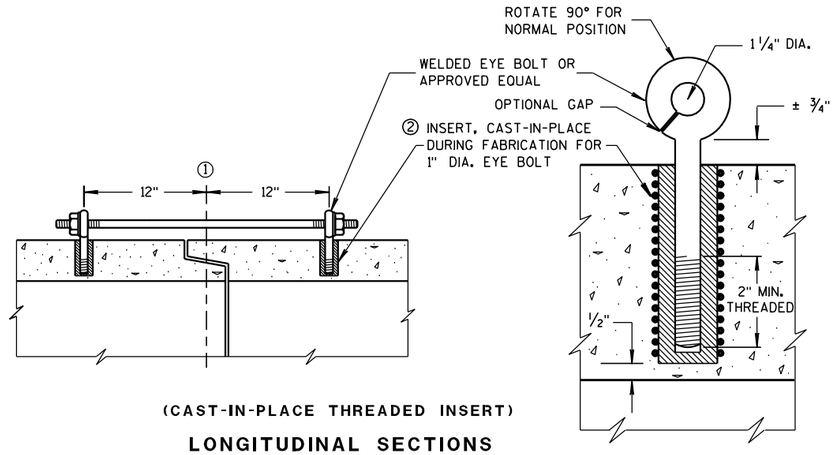
S.D.D. 8 F 2-1

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S.D.D. 8 F 2-1



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

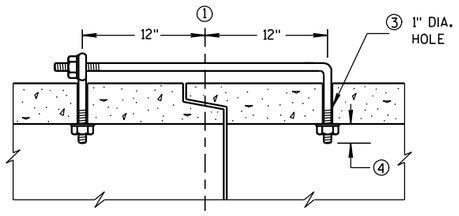
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

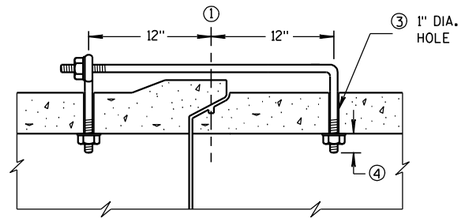
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

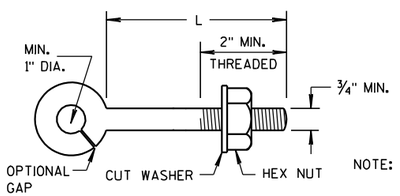


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

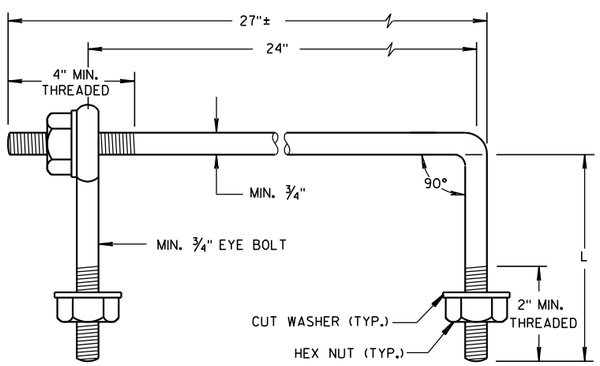
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

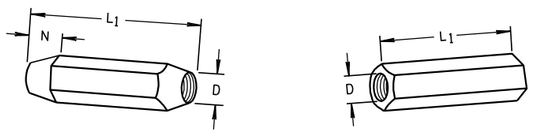
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

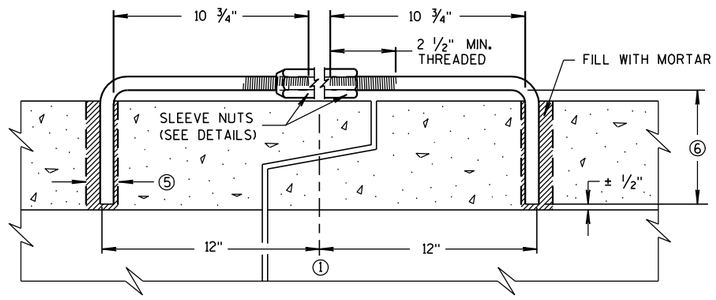
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

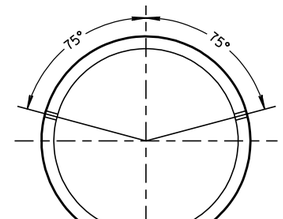
SLEEVE NUTS



LONGITUDINAL SECTION

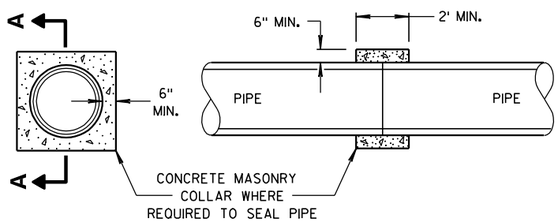
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

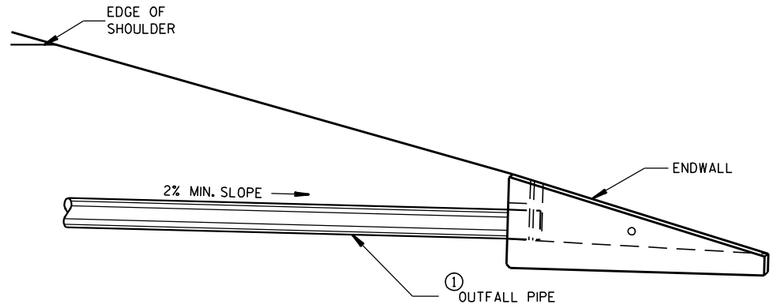
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
233
FHWA

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S.D.D. 8 F 4-7

DIMENSIONS IN INCHES											
PIPE DIA.	A	B	C	D	E	F	G	H	J	L	Z
**4	6	12	5 1/4	9	8	32	36	11	2 3/8	6 1/2	4
6	8	14	7 1/4	11	10	42	44	13	3 5/8	8 1/2	6

**APRON ENDWALL FOR 6 INCH DIAMETER PIPE MAY BE SUBSTITUTED FOR THIS SIZE PROVIDED THE HOLE IN THE HEADWALL IS SIZED AND LOCATED TO CONFORM TO THE 4 INCH DIAMETER PIPE DIMENSIONS (C & J)



INSTALLATION DETAIL

GENERAL NOTES

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

ALTERNATIVE DESIGNS WHICH PROVIDE EQUIVALENT CAPACITY AND STRENGTH MAY BE USED WHEN APPROVED BY THE ENGINEER. ENDWALL MAY BE EITHER PRECAST OR CAST-IN-PLACE CONCRETE.

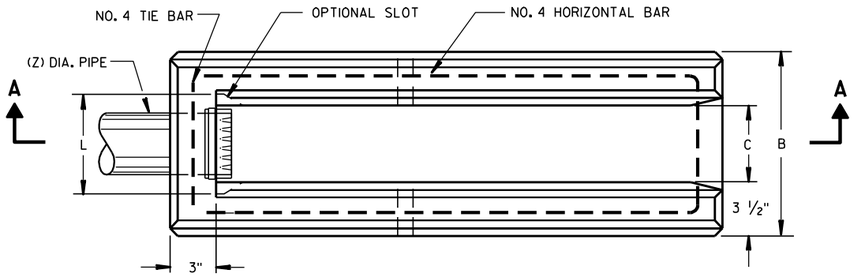
THE UNDERDRAIN PIPE SHALL BE FULLY INSERTED AND SEALED INTO THE ENDWALL WITH CEMENT MORTAR PRIOR TO BACKFILLING AROUND THE STRUCTURE.

THE UPPERMOST POINT OF THE ENDWALL SHALL BE PLACED FLUSH WITH THE ROADWAY SLOPE. ADJACENT EMBANKMENT SLOPES SHALL BE SHAPED TO FIT THE SIDES AND TOE OF THE ENDWALL. EXACT PLACEMENT OF THE OUTFALL PIPE AND ENDWALL SHALL BE DETERMINED BY THE ENGINEER TO MATCH THE ELEVATIONS AND FLOW DIRECTION OF THE ROADSIDE DITCH.

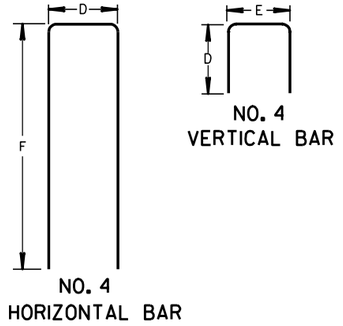
① THE OUTFALL PIPE UNDERDRAIN AND FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION FOR POLY (VINYL CHORIDE) (PVC) PLASTIC DRAIN, WASTE AND VENT PIPE AND FITTINGS, ASTM DESIGNATION: D 2665, SCHEDULE 40 PVC OR THE STANDARD SPECIFICATION FOR TYPE PSM POLY (VINYL CHORIDE) (PVC) SEWER PIPE AND FITTINGS, ASTM DESIGNATION: D 3034, TYPE PSM SDR 23.5 PVC SEWER PIPE, ALL JOINTS SHALL BE SOLVENT WELDED.

THE OUTFALL PIPE INCLUDING ALL FITTINGS AND THE RODENT SHIELD SHALL BE MEASURED AND PAID FOR AS PIPE UNDERDRAIN UNPERFORATED.

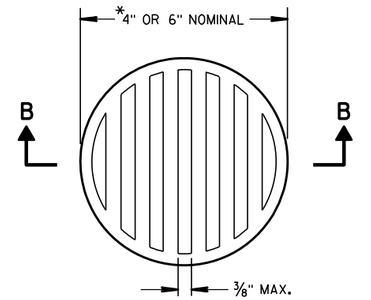
② THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE OUTFALL PIPE. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



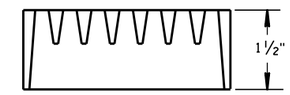
PLAN VIEW



BAR STEEL REINFORCEMENT DETAILS



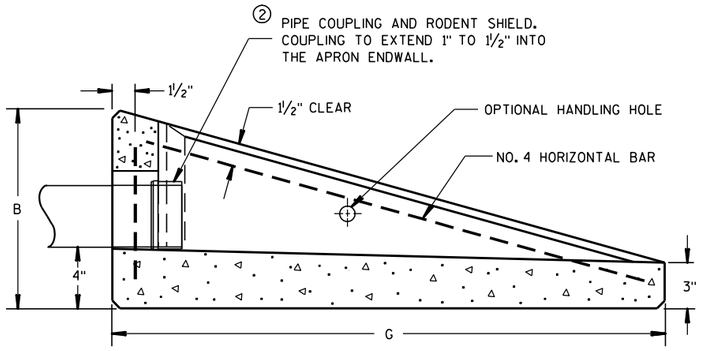
NOTE: ORIENT SHIELD SO SLOTS ARE VERTICAL.



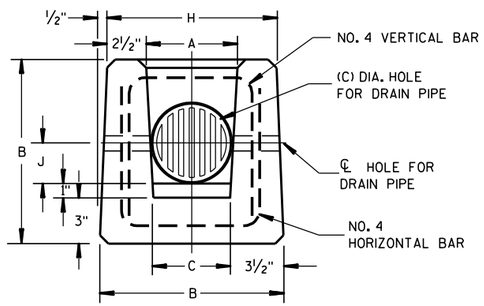
SECTION B-B

② RODENT SHIELD

*NOTE: DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.



SECTION A-A



END VIEW

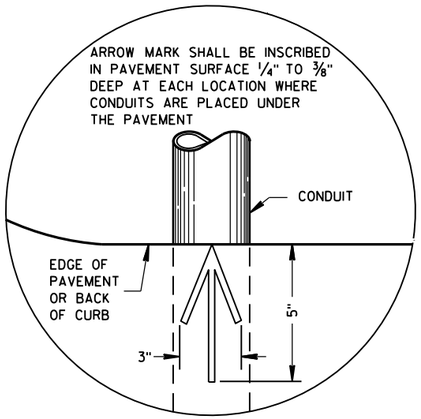
CONCRETE APRON ENDWALL FOR UNDERDRAIN

REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

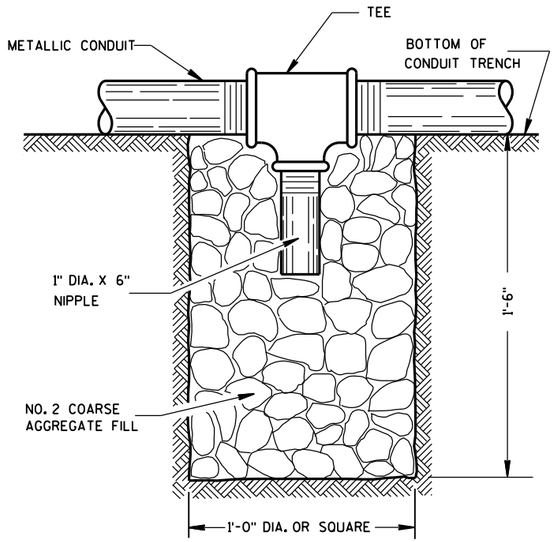
APPROVED
3/10/98 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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S.D.D. 8 F 6-4



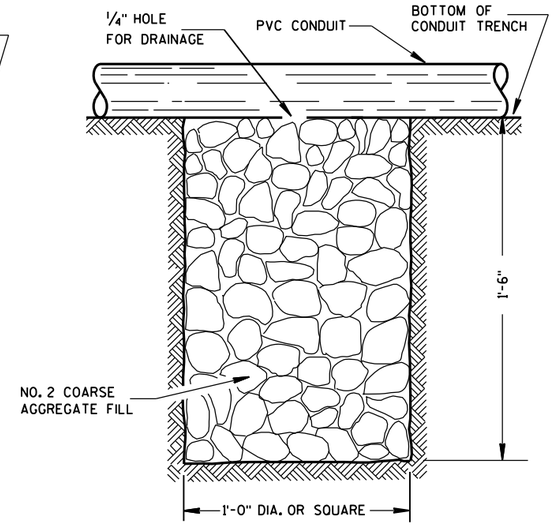
PLAN VIEW

ARROW MARK



NOTE: INSTALL AT LOCATIONS WHERE METALLIC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR METALLIC CONDUIT



NOTE: INSTALL AT LOCATIONS WHERE PVC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR PVC CONDUIT

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

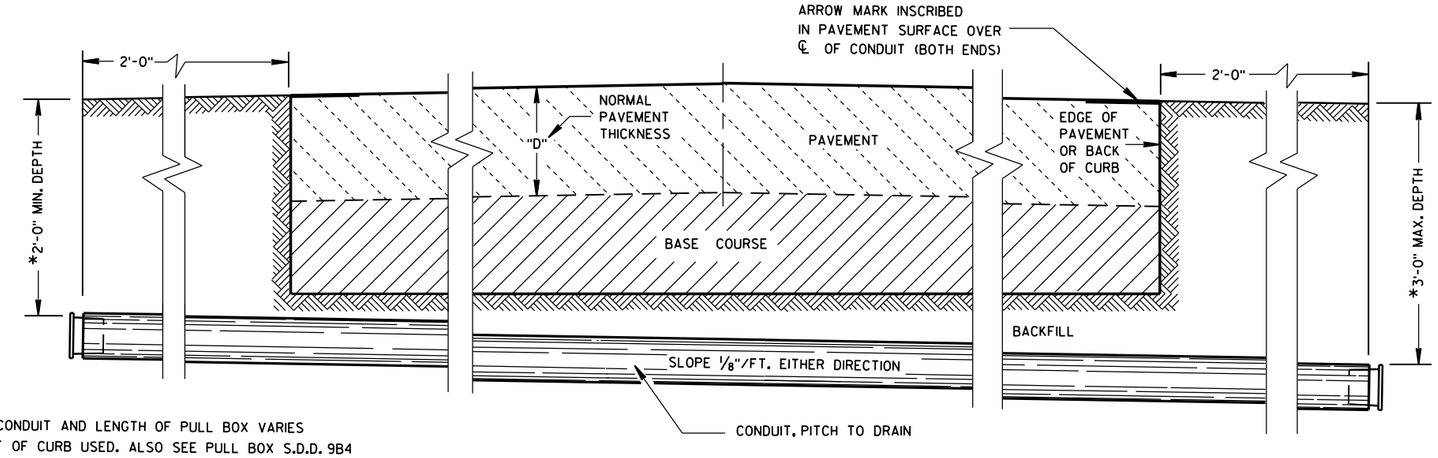
PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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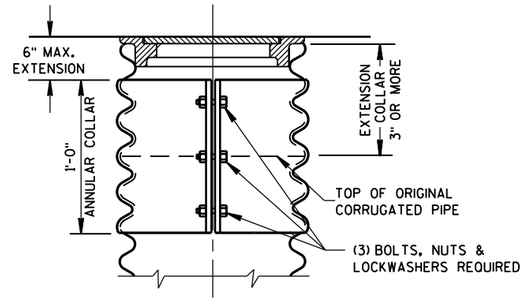
S.D.D. 9 B 2-9

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

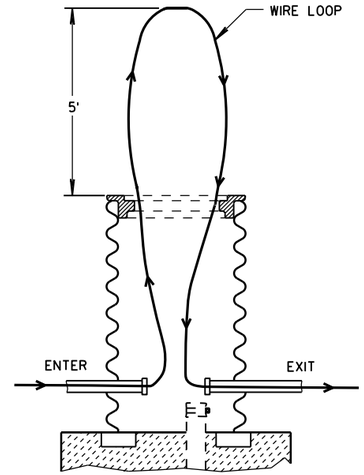
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

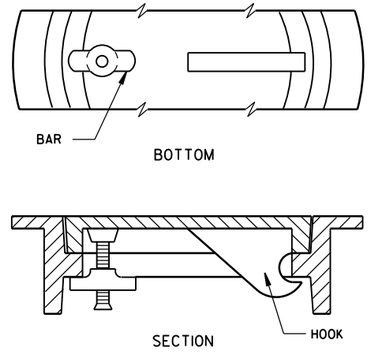
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

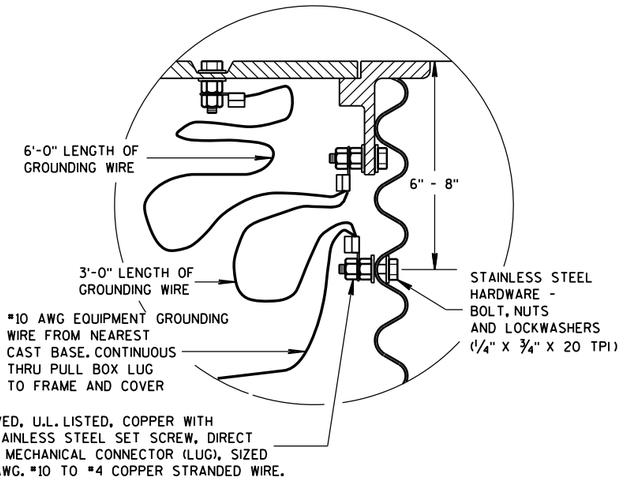


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

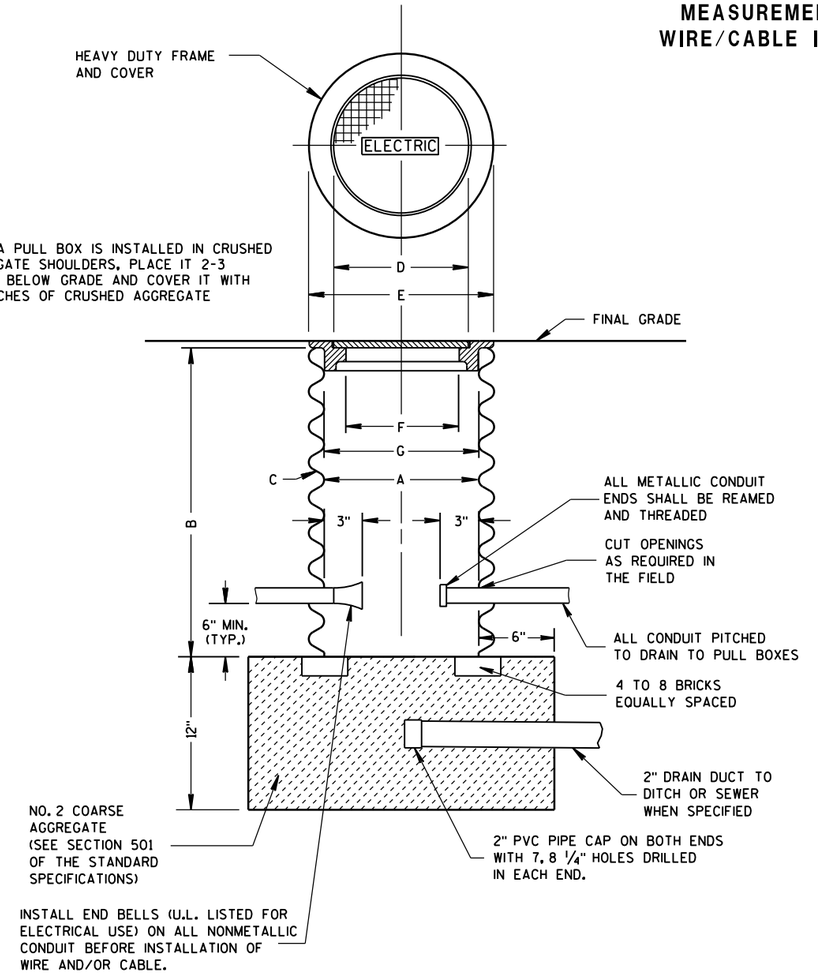


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

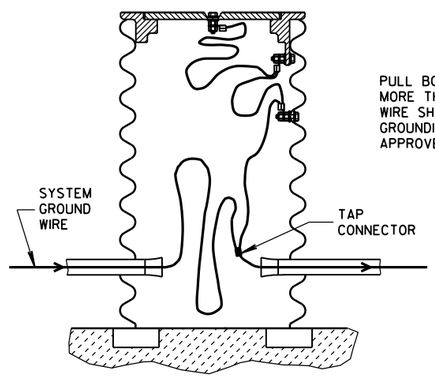
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

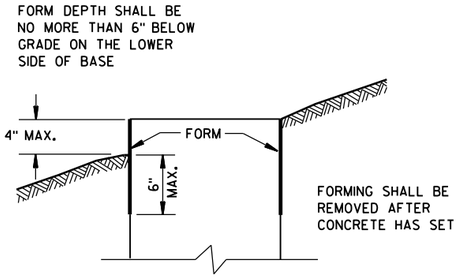
PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 B 4-11



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

GENERAL NOTES (CONTINUED)

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 1, TYPE 2, TYPE 5, AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE OF THE TYPE 2 AND TYPE 5 BASES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4" "L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND END SHALL NOT BE THREADED.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(3) (4) 1" DIA. X 5'-0" ANCHOR RODS.

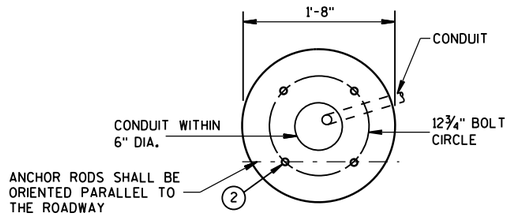
(4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

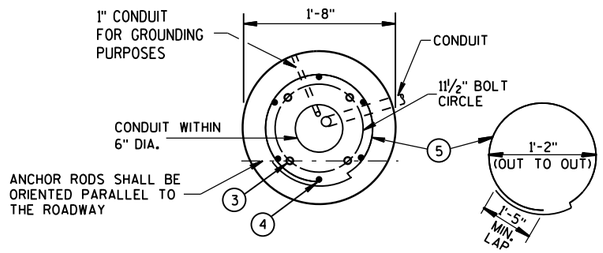
(5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

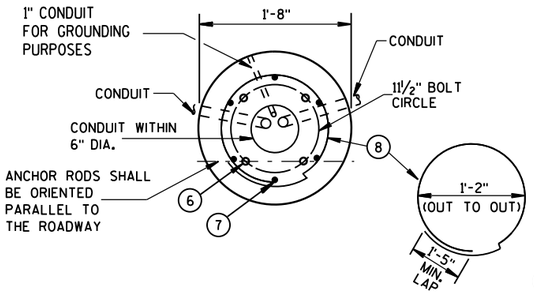
(6) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(7) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.

(8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

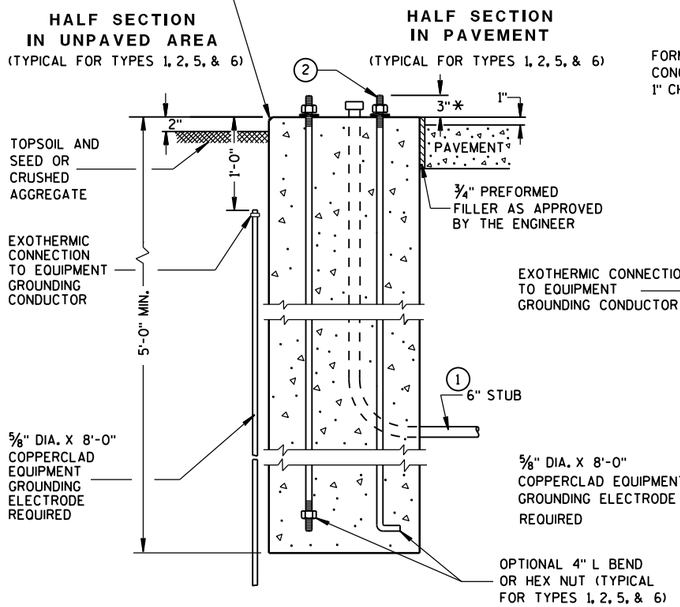






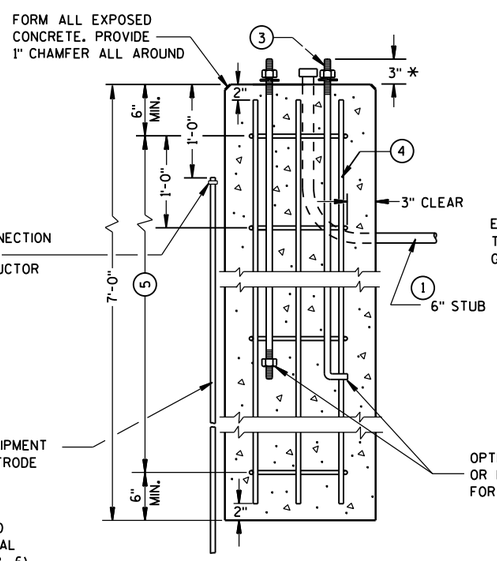
HALF SECTION IN UNPAVED AREA

(TYPICAL FOR TYPES 1, 2, 5, & 6)

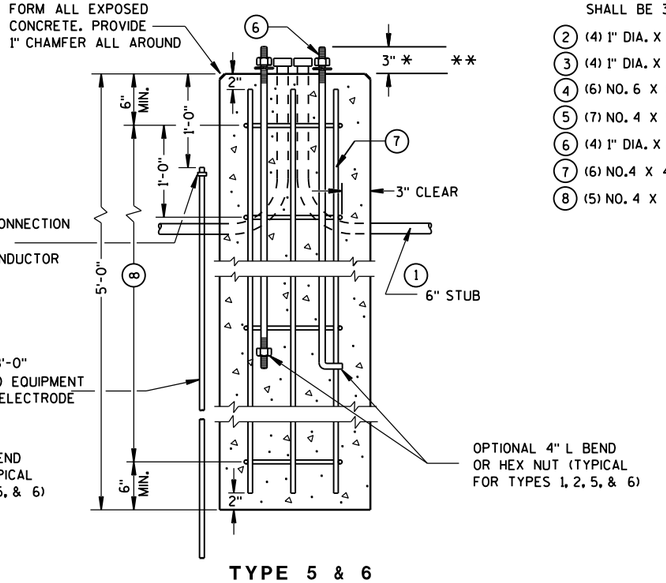


HALF SECTION IN PAVEMENT

(TYPICAL FOR TYPES 1, 2, 5, & 6)



TYPE 2



TYPE 5 & 6

CONCRETE BASES

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

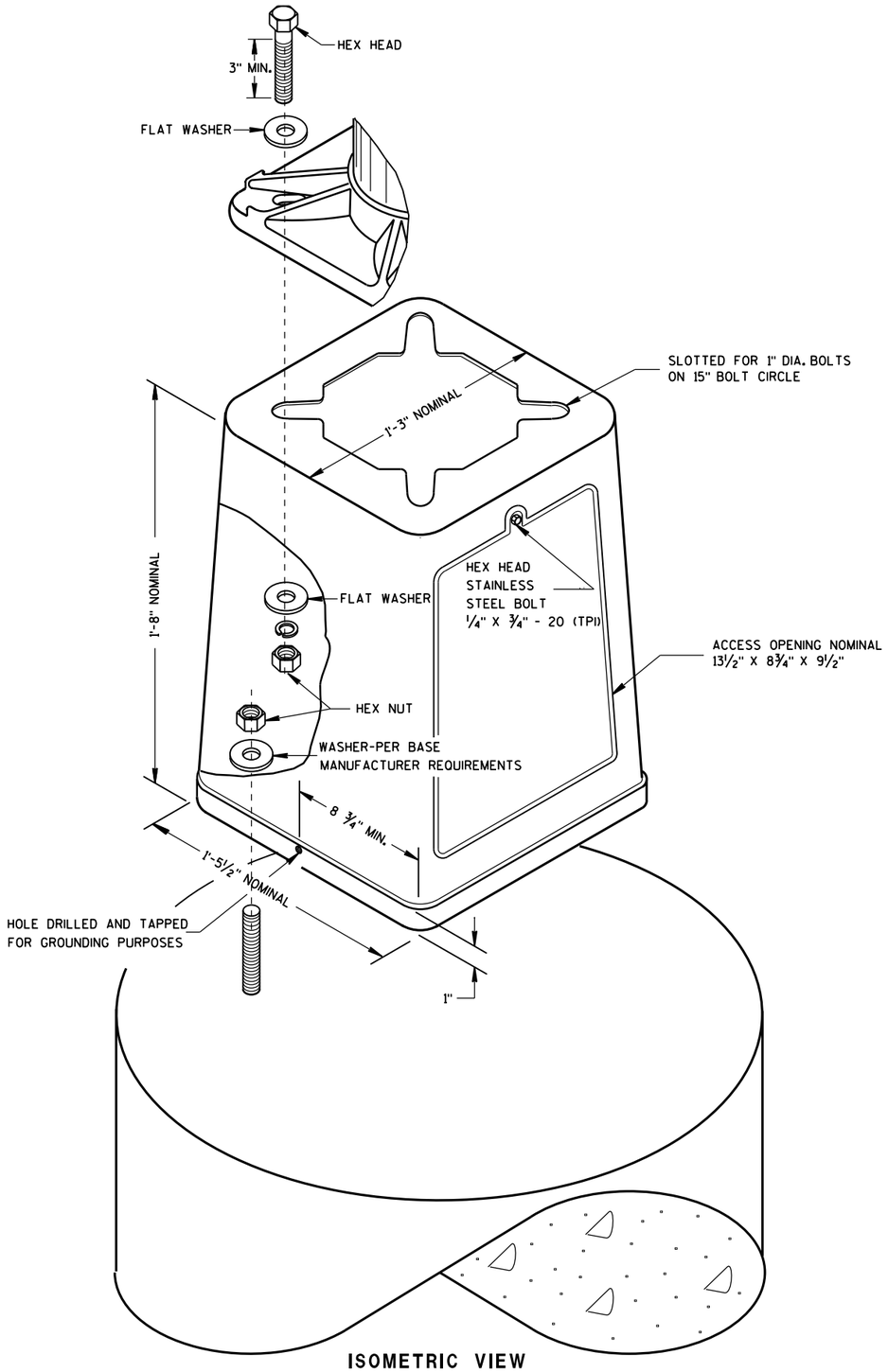
** FOR NONBREAKAWAY INSTALLATIONS, 4½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

CONCRETE BASES, TYPES 1, 2, 5, & 6

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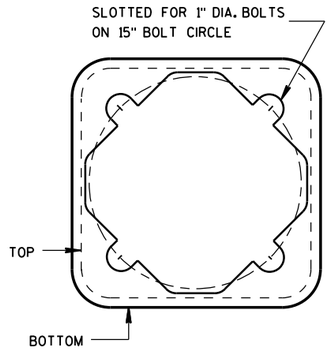
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Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
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S.D.D. 9 C 2-7



ISOMETRIC VIEW

TRANSFORMER BASE



BOTTOM VIEW

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BREAKAWAY BASES (WHERE REQUIRED) WILL BE MEASURED AND PAID AS SEPARATE ITEMS OF WORK IN ADDITION TO THE LIGHT POLE.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 641.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIMS SHALL BE SIZED TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

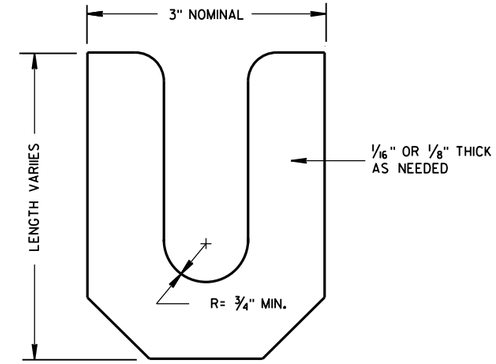
A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE TRANSFORMER BASE.

THE MECHANICAL CONNECTOR (GROUNDING LUG) SHALL BE INSTALLED USING THE TAPPED HOLE PROVIDED BY THE MANUFACTURER. THE MOUNTING BOLT HEXHEAD), NUT, WASHER AND LOCK WASHER SHALL BE STAINLESS STEEL, SIZED TO FIT THE THREADING AND HOLE SIZE, AND BE OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

SHOULD A GROUNDING LUG MOUNTING HOLE NOT BE PROVIDED, THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" X 3/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE. IT SHALL BE MOUNTED IN THE SAME LOCATION AS IS SHOWN ON THE DRAWING.

SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, AND LOCK WASHERS, THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

THE ACCESS DOOR SHALL BE MANUFACTURED OF THE SAME MATERIAL AS THE BASE.



LEVELING SHIM



TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE FOR 15" BOLT CIRCLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

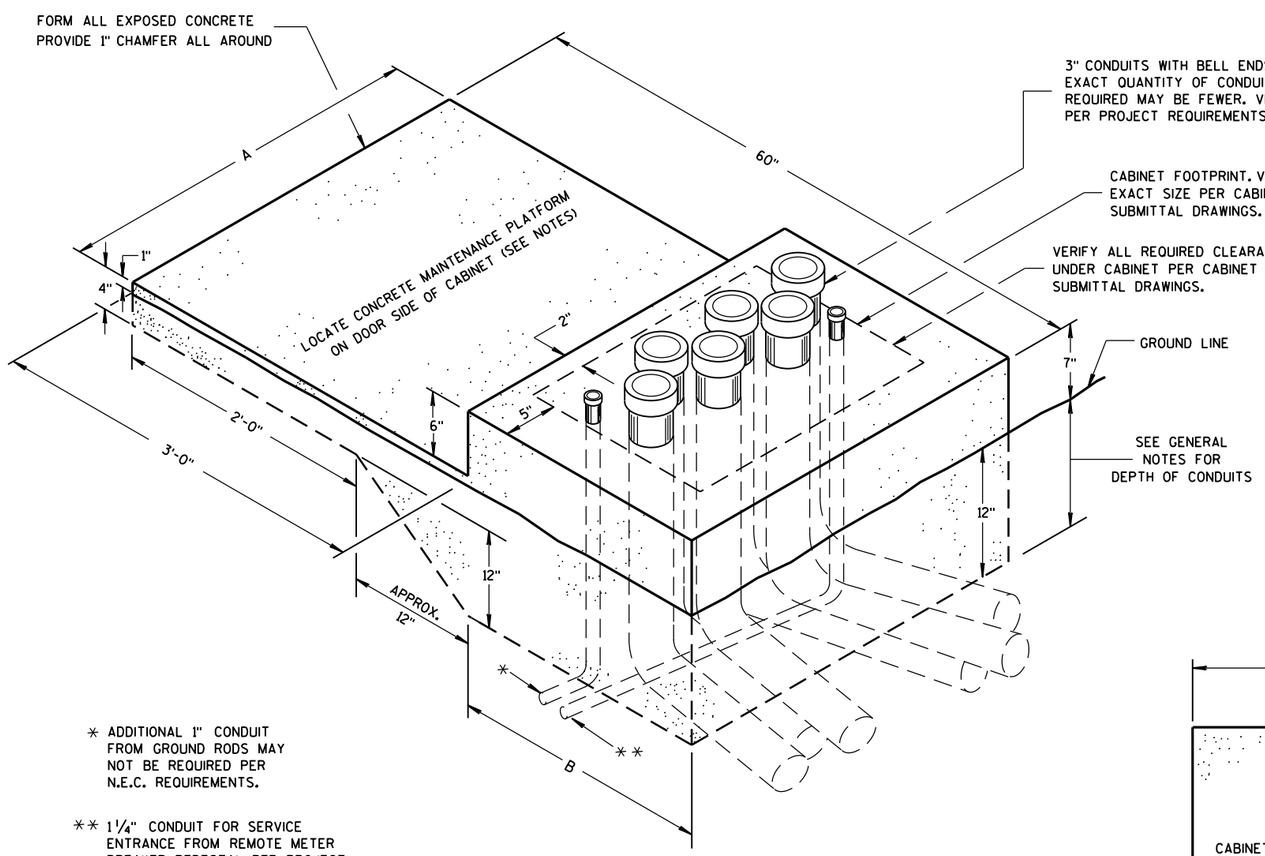
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Sept. 2014 — DATE
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* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

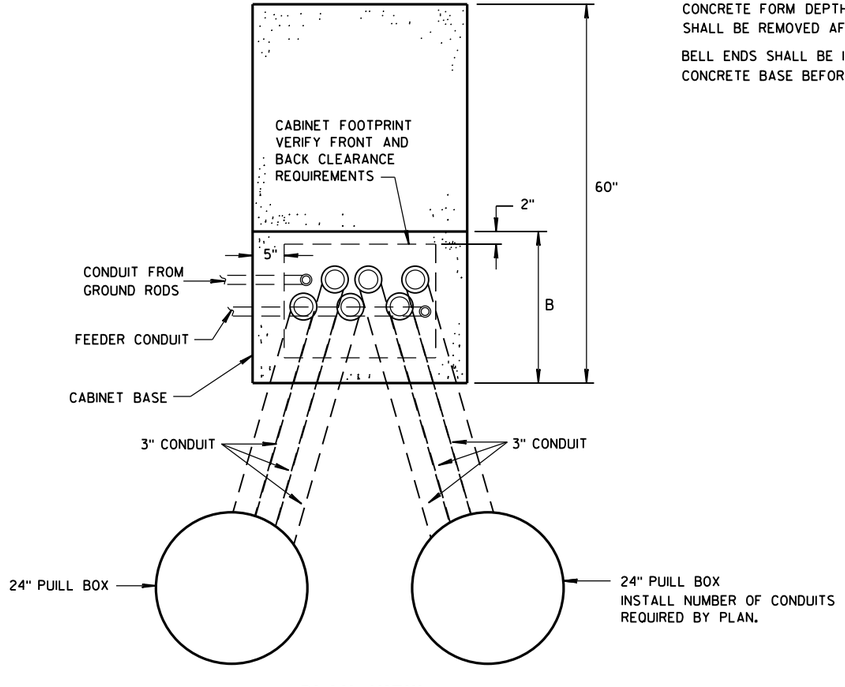
** 1¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND BE LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONDUIT EXITING THE CONCRETE BASE SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE L

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Nov. 2014 — DATE
/S/ Thomas Gonring — STATE LIGHTING ENGINE
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GENERAL NOTES

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

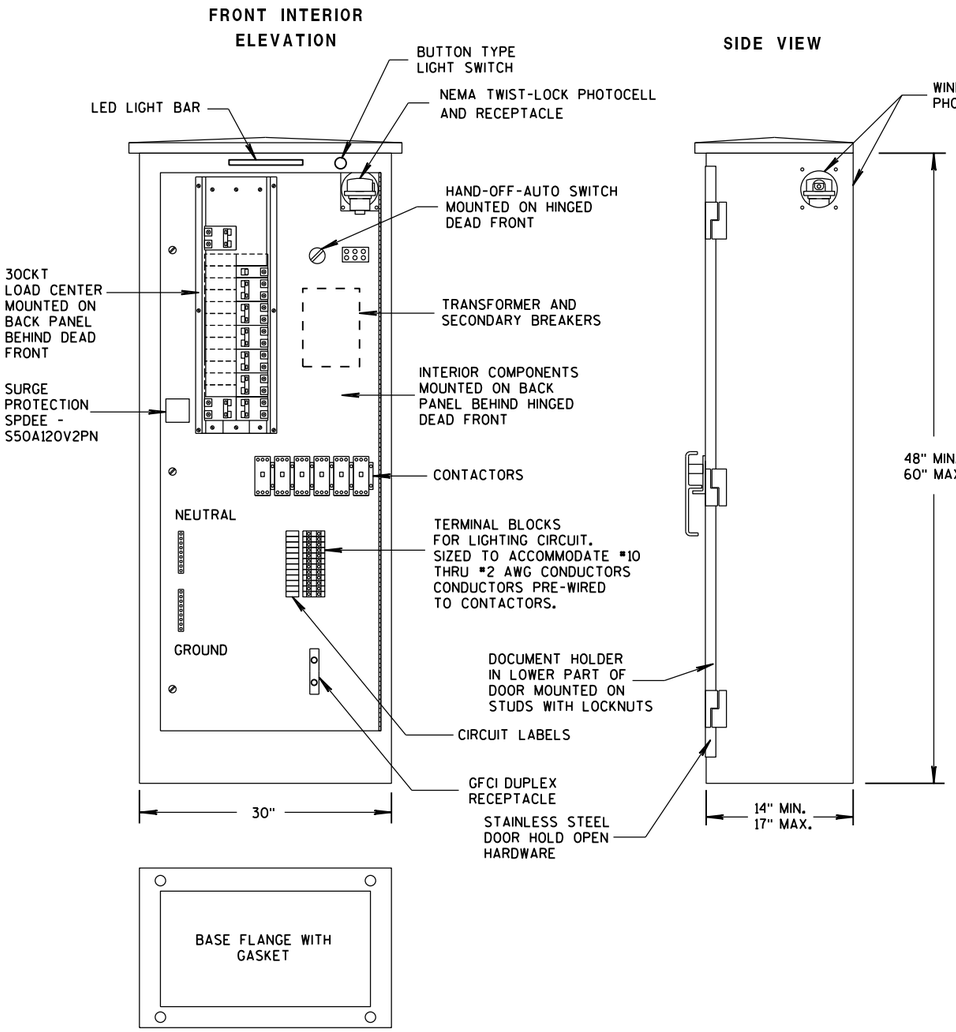
ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE-WIRED BY THE CABINET FABRICATOR.

ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

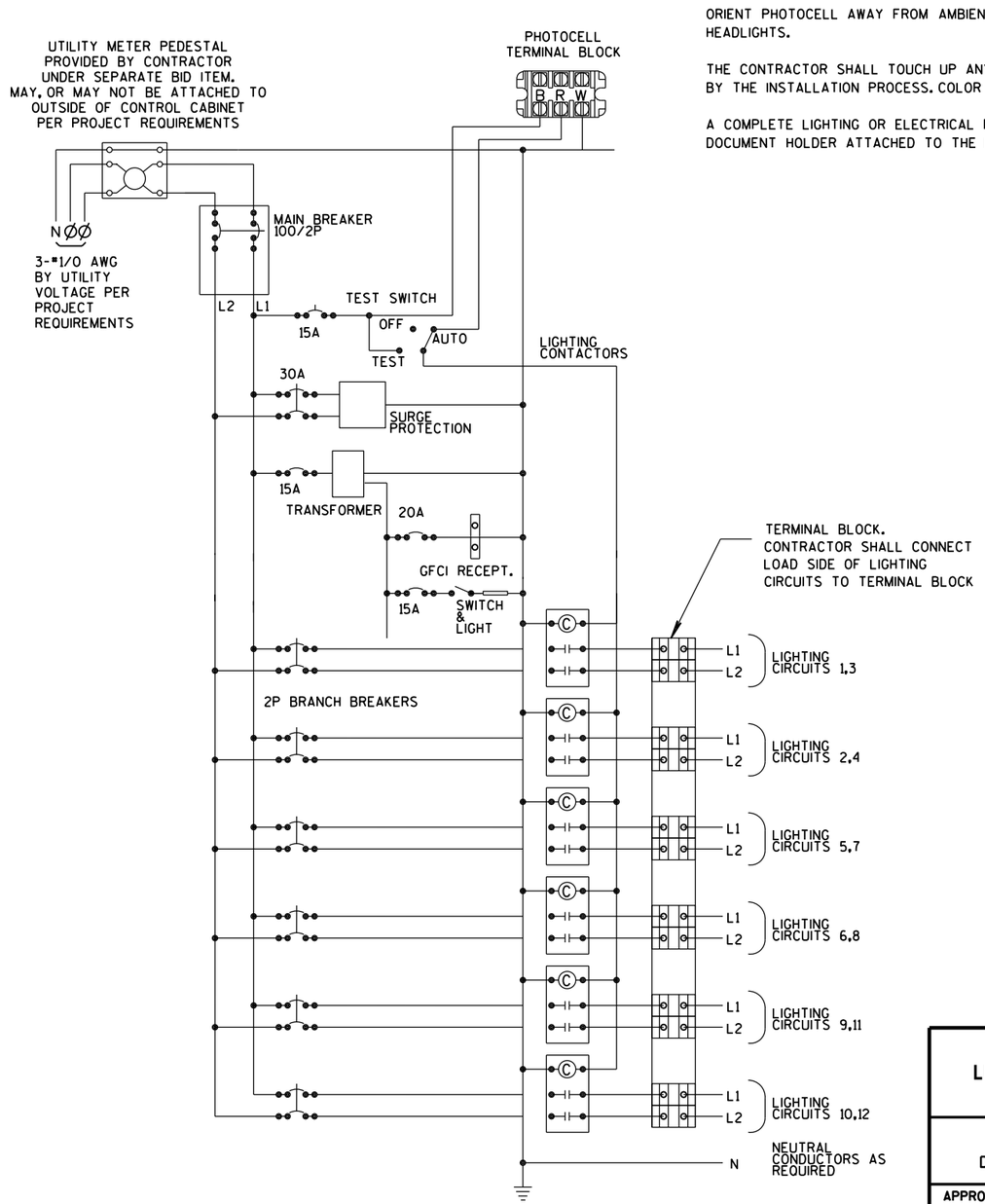
ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.



LIGHTING CONTROL CABINET



CONTROL CABINET SCHEMATIC

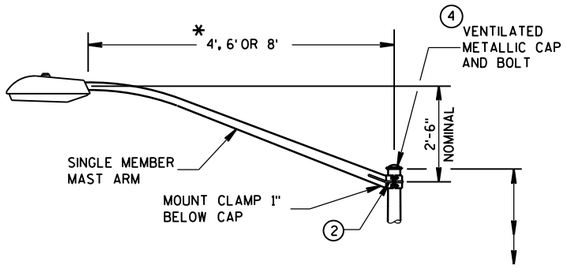
L30
LIGHTING CONTROL CABINET
240/480 VOLT

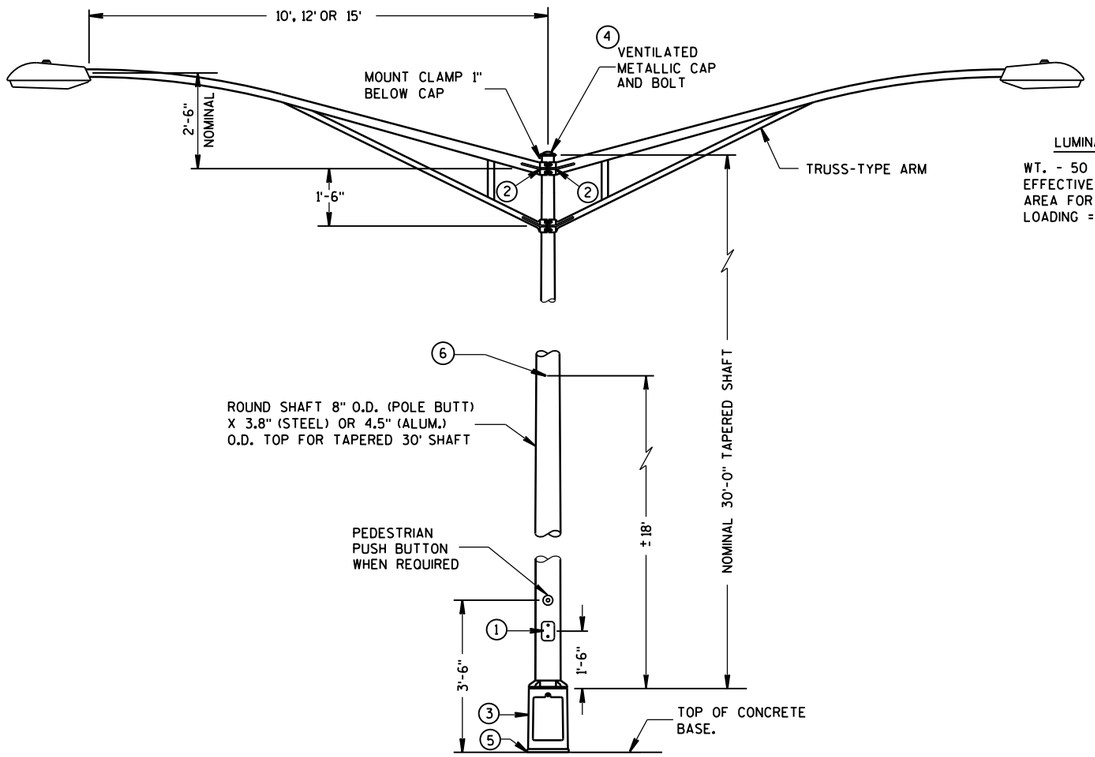
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Thomas Gonring — STATE LIGHTING ENGINEER
240
NYS.
FHWA

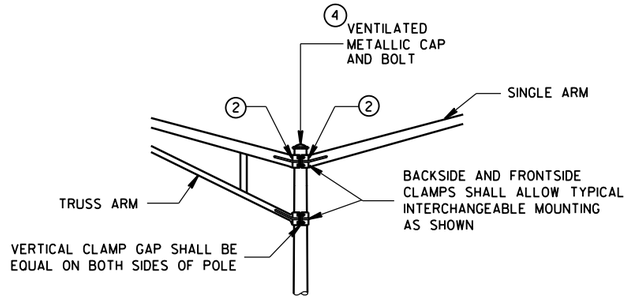
6
S.D.D. 9 D 5-1

*RISE FOR 4' ARM SHALL BE 2'-0".





TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY



INTERCHANGEABLE MOUNTING DETAIL

LUMINAIRE

WT. - 50 LBS.
EFFECTIVE PROJECTED
AREA FOR WIND
LOADING = 1.5 SQ. FT.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063-T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

THE TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.188".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONEECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" x 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.

(2) GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

(6) INTERNAL DUMBBELL-TYPE VIBRATION DAMPER.

6

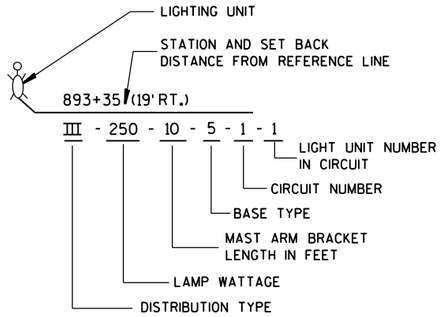
S.D.D. 9 E 1-14d

POLE MONTINGS FOR
LIGHTING UNITS, TYPE 5
(30 FEET)

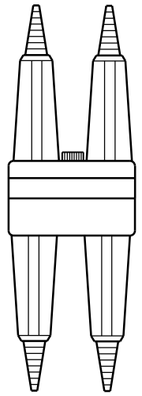
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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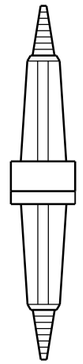
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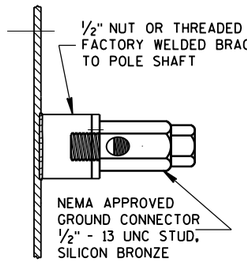
LIGHTING UNIT CODE
(TYPICAL)

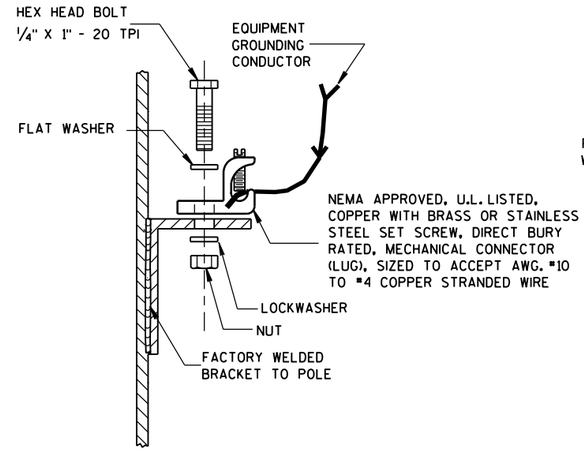


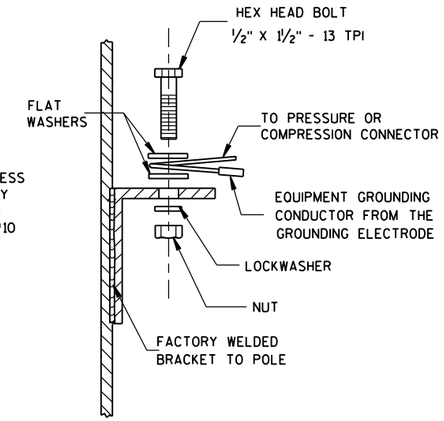
DETAIL "A"
BREAKAWY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



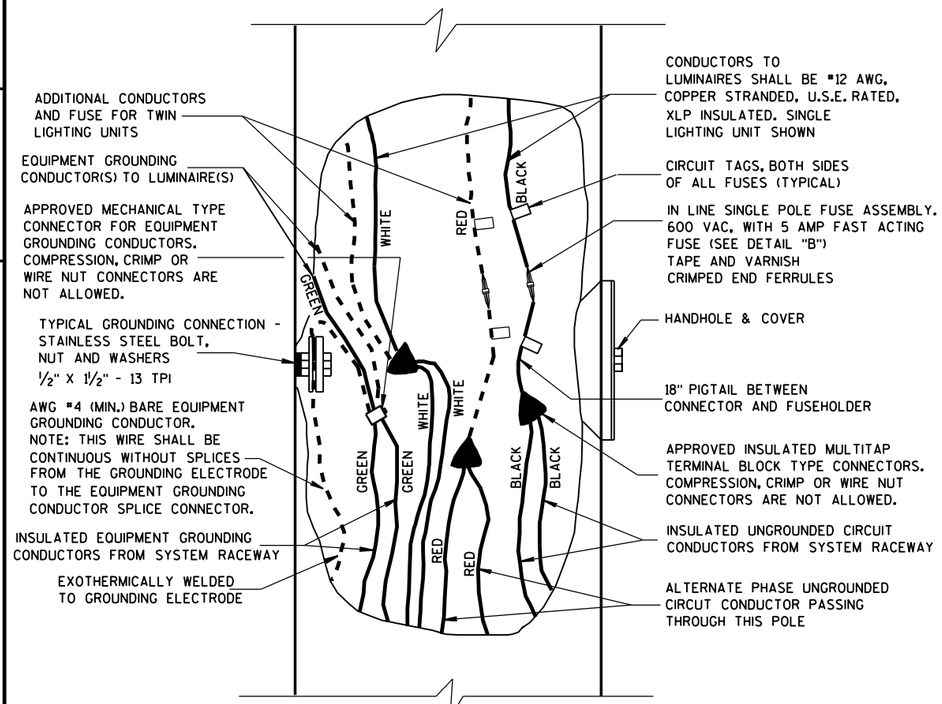
DETAIL "B"
BREAKAWY SINGLE POLE WITH WATERPROOF INSULATING BOOT



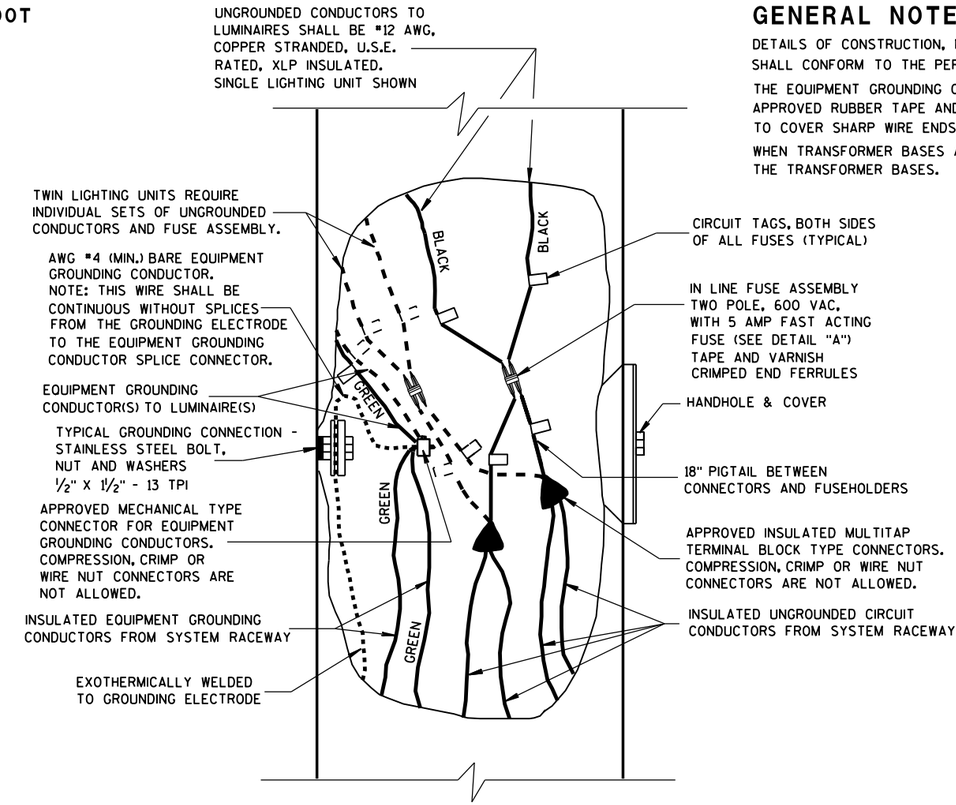




TYPICAL GROUNDING CONNECTIONS
NUT, BOLT, WASHERS AND LOCKWASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTOR) WITH GROUNDED CONDUCTOR AND WITH EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUNDING CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND THEN 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

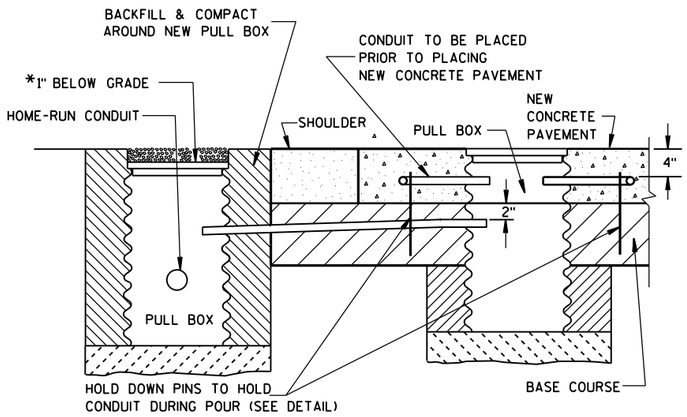
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

NON-FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
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SECTION A-A
NO CURB & GUTTER

LOOP DETECTOR INSTALLATION DETAIL

*RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

ANY PVC LEADOUT CONDUIT CONTAINING MORE THAN ONE TWISTED PAIR OF LOOP LEAD WIRE SHALL BE 2".

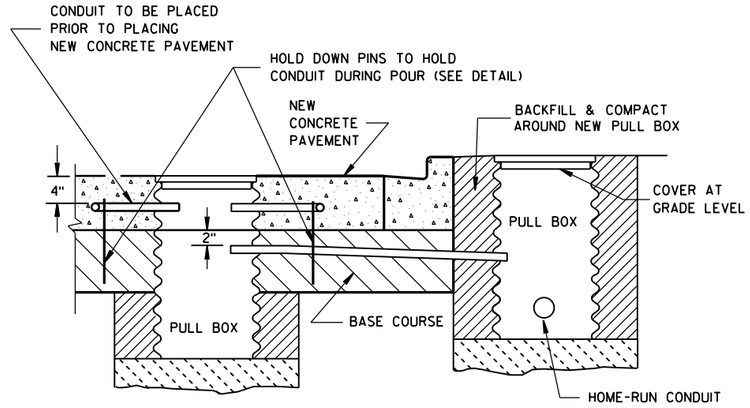
THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, INTO THE PULL BOX IN THE PAVEMENT, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

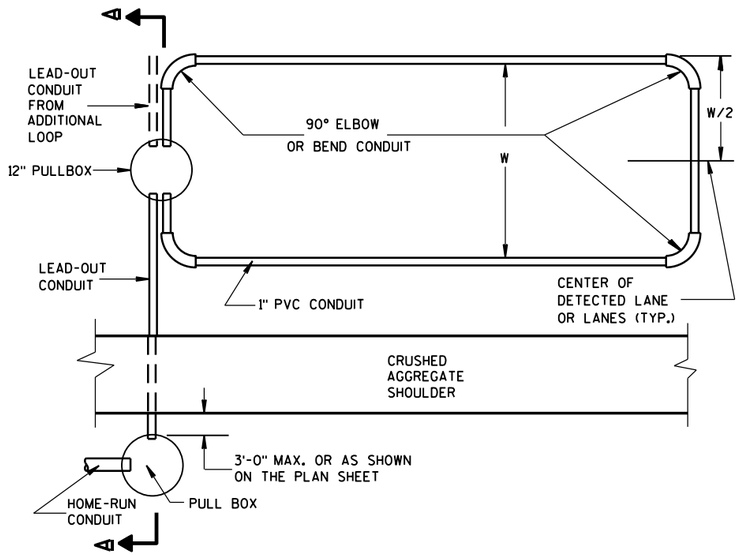
PROTECTION OF THE PULL BOX IN THE BASE COURSE, AND THE RELATED CONDUITS SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW CONCRETE PAVEMENT IS POURED.

12" PULL BOXES IN PAVEMENT SHALL BE CORRUGATED STEEL ONLY.

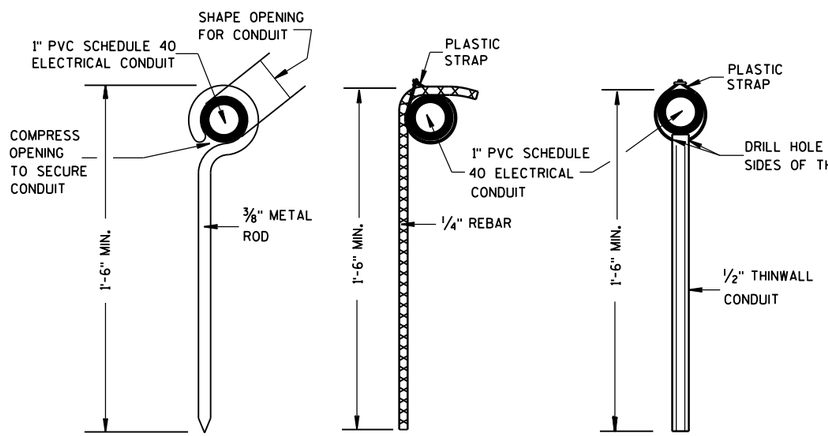


SECTION B-B
CURB & GUTTER

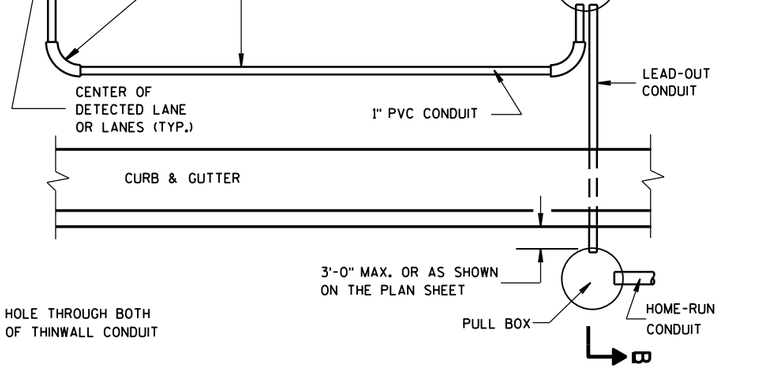
LOOP DETECTOR INSTALLATION DETAIL



TYPICAL PLAN OF LOOP DETECTOR WITH 12" PULLBOX



TYPICAL DETAILS FOR HOLD DOWN PINS



TYPICAL PLAN OF LOOP DETECTOR WITH 12" PULLBOX

LOOP DETECTOR INSTALLED IN NEW CONCRETE PAVEMENT ROUND CSCP PULLBOX

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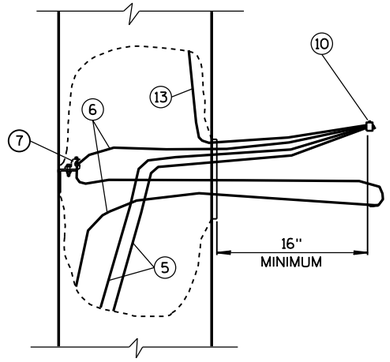
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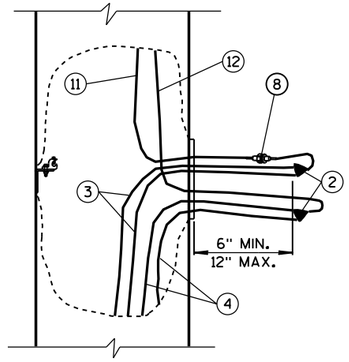
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S.D.D. 9 F 4-4

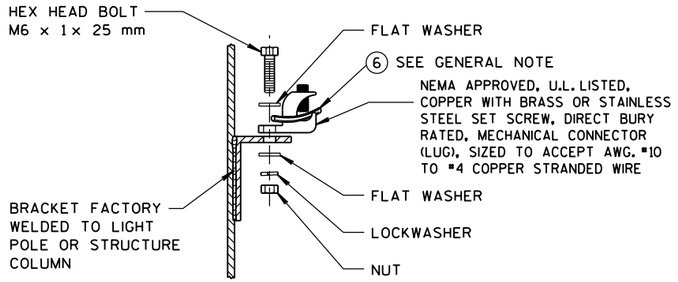


EQUIPMENT GROUNDING CONDUCTOR SLACK



UNGROUNDED CONDUCTOR SLACK (AND GROUNDED NEUTRAL SLACK IN GROUNDED NEUTRAL SYSTEM)

TYPICAL CONDUCTOR SLACK AT HANDHOLES



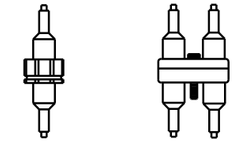
HANDHOLE GROUNDING LUG

(NUT, BOLT, WASHERS, AND LOCK WASHERS SHALL BE STAINLESS STEEL)

CONDUCTOR COLOR CODES

KEY	CONDUCTOR	COLOR
3	UNGROUNDED LINE WIRE	*
4	GROUNDED LINE WIRE	WHITE
5	SYSTEM GROUNDING LINE WIRE	GREEN
6	GROUNDING ELECTRODE CONDUCTOR	BARE
11	UNGROUNDED POLE WIRE	*
12	GROUNDED POLE WIRE	WHITE
13	EQUIPMENT GROUNDING POLE WIRE	GREEN

* FOLLOW COLOR CODING SHOWN IN THE PLANS. WHERE THE PLANS DO NOT SHOW COLOR CODING, USE BLACK FOR SINGLE LUMINAIRE POLES; BLACK AND RED FOR TWIN LUMINAIRE POLES.



1 POLE (1P) 2 POLE (2P)

FUSE ASSEMBLIES

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

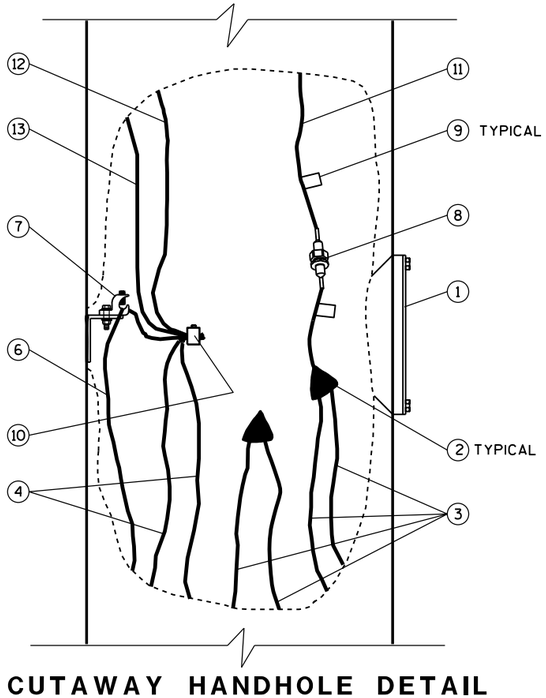
USE THIS DETAIL IN CONJUNCTION WITH THE ELECTRICAL DETAILS FOR THE APPLICATION, WHICH MAY BE A LIGHT POLE, SIGN BRIDGE, ETC.

THE GROUNDING ELECTRODE CONDUCTOR SHALL BE CONTINUOUS WITHOUT SPLICES FROM THE GROUNDING ELECTRODE THROUGH THE HANDHOLE GROUNDING LUG TO THE CONNECTOR.

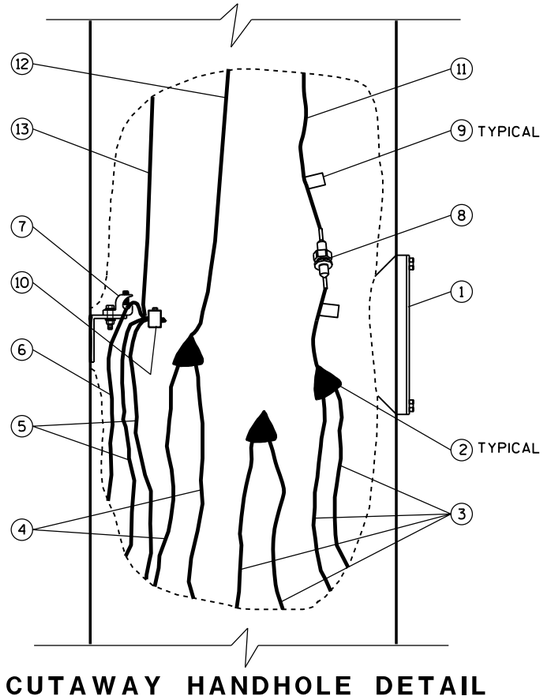
THREE POLE WIRES ARE SHOWN FOR A SINGLE LUMINAIRE LIGHT POLE. THREE ADDITIONAL POLE WIRES REQUIRED FOR TWIN LUMINAIRE LIGHT POLES ARE OMITTED FROM THE DRAWING FOR CLARITY. IN THE TWIN POLE CASE, BUNDLE EACH SET OF THREE WIRES WITH A NYLON CABLE TIE.

IN 3-PHASE SYSTEMS, THERE WILL BE ONE MORE UNGROUNDED LINE WIRE, WHICH IS OMITTED FROM THE DRAWING FOR CLARITY.

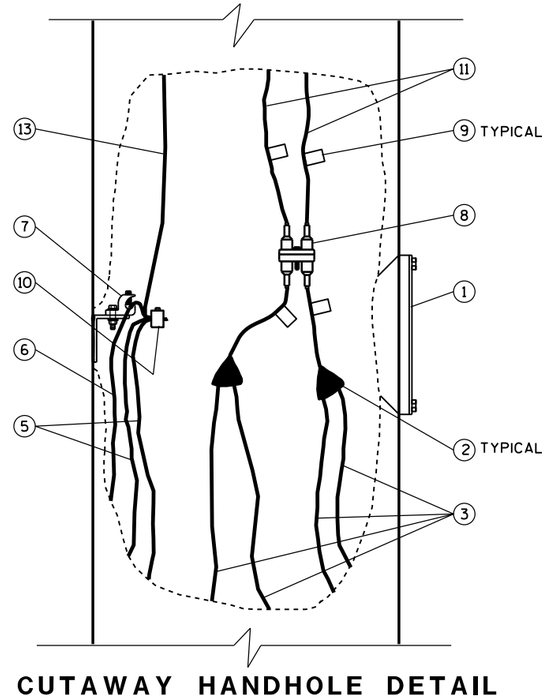
CIRCUIT TAGS SHALL BE INSTALLED ONLY WHERE REQUIRED IN THE SPECIAL PROVISIONS.



CUTAWAY HANDHOLE DETAIL
GROUNDED NEUTRAL SYSTEMS
1-Φ



CUTAWAY HANDHOLE DETAIL
ISOLATED NEUTRAL SYSTEMS
1-Φ SHOWN; 3-Φ WYE SIMILAR
(SEE GENERAL NOTE)



CUTAWAY HANDHOLE DETAIL
PHASE-TO-PHASE SYSTEMS
1-Φ SHOWN; 3-Φ DELTA SIMILAR
(SEE GENERAL NOTE)

NOTE: REQUIRED CONDUCTOR SLACK NOT SHOWN ON "CUTAWAY HAND HOLE" DETAILS FOR DRAWING CLARITY, SEE "TYPICAL CONDUCTOR SLACK AT HANDHOLES" ON THIS SHEET.

1. HANDHOLE AND COVER
2. INSULATED SPLICE
3. UNGROUNDED LINE WIRE
4. GROUNDED LINE WIRE
5. SYSTEM GROUNDING LINE WIRE
6. GROUNDING ELECTRODE CONDUCTOR
7. HANDHOLE GROUNDING LUG
8. FUSE ASSEMBLY, 1P OR 2P AS REQUIRED
9. CIRCUIT TAG (SEE GENERAL NOTE)
10. REVERSIBLE PRESSURE OR COMPRESSION GROUNDING CONNECTOR (NOT INSULATED)
11. UNGROUNDED POLE WIRE
12. GROUNDED POLE WIRE
13. EQUIPMENT GROUNDING POLE WIRE

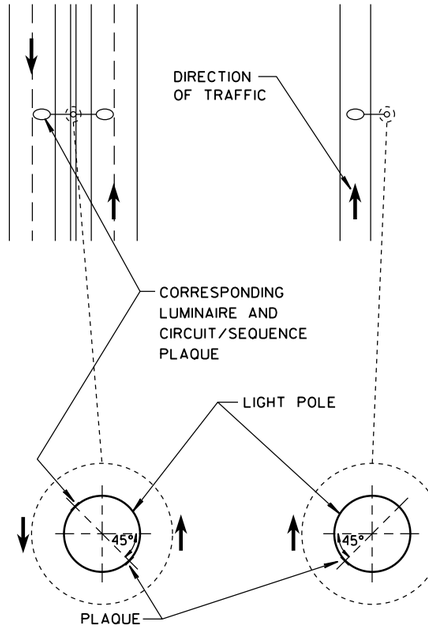
ELECTRICAL HANDHOLE WIRING

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MEDIAN POLE SINGLE ARM POLE

LOCATION OF LIGHT POLE CIRCUIT/SEQUENCE PLAQUE

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

WHERE SHOWN IN THE PLANS, REPLACEMENT PLAQUES WILL BE MEASURED AND PAID SEPARATELY.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETRORFLECTIVE

LINES - BLACK, 1/2" WIDE, SELF-ADHESIVE

CHARACTERS - BLACK, SELF-ADHESIVE, SERIES "D", SIZE AS SHOWN

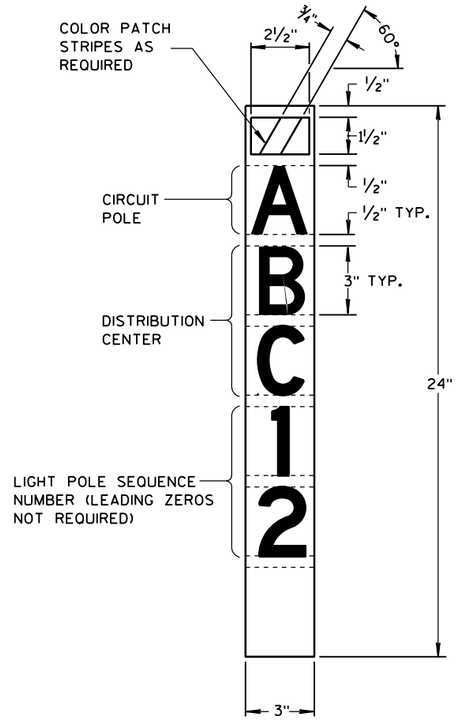
COLOR PATCHES - VARIOUS COLORS, SELF-ADHESIVE VINYL SHEETING

WITH THE APPROVAL OF THE ENGINEER, THE BASE MATERIAL MAY BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE SURFACE, IN CASES SUCH AS SMOOTH, CLEAN ALUMINUM POLES.

ALTERNATIVE COMPUTER-GENERATED SIGN LETTERING MAY BE ACCEPTED IF THE ENGINEER FINDS IT TO BE EQUIVALENT.

COLOR PATCH CODE FOR HPS AND LED LUMINAIRES

HPS	LED	COLOR PATCH CODE
1000 WATT		NO PATCH
400 WATT	CATEGORY D	ORANGE
310 WATT		BLUE
250 WATT	CATEGORY C	ORANGE WITH WHITE STRIPE
200 WATT		RED
150 WATT	CATEGORY B	GREEN
100 WATT	CATEGORY A	BROWN
70 WATT	CATEGORY UDL	BROWN WITH WHITE STRIPE



LIGHT POLE CIRCUIT/SEQUENCE PLAQUE

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IDENTIFICATION PLAQUES
LIGHT POLES

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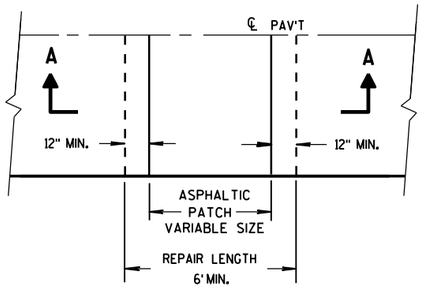
GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

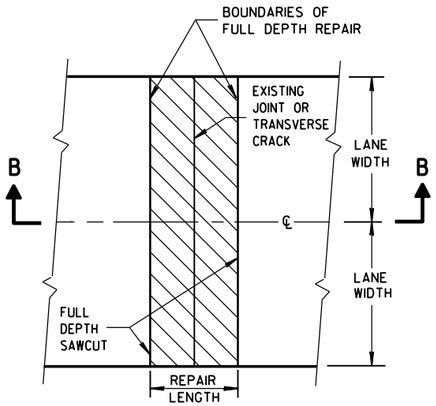
PROVIDE A 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK IN THE SAME LANE.

THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NONDOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

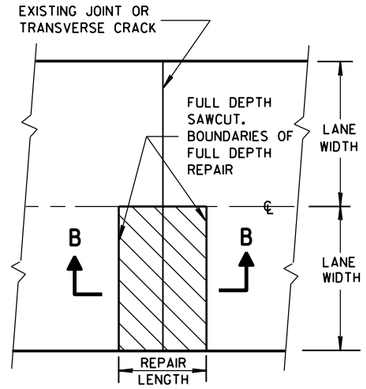
(1) DOWEL BARS MIGHT NOT EXIST.



PLAN VIEW

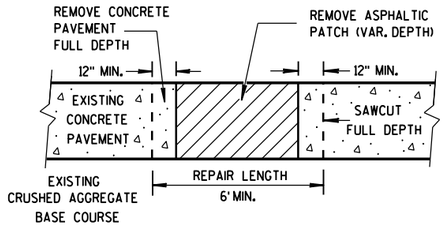


PLAN VIEW
(DOUBLE LANE REPAIR)



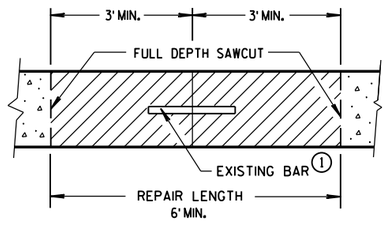
PLAN VIEW
(SINGLE LANE REPAIR)

FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION A-A

HMA PATCH REMOVAL



SECTION B-B

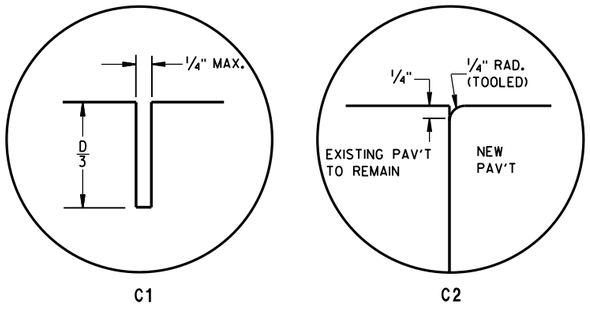
CONCRETE REMOVAL

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

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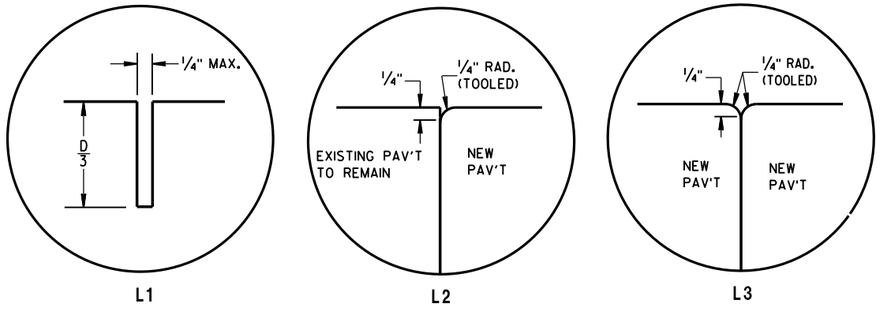
TRANSVERSE JOINTS

TIE BAR TABLE

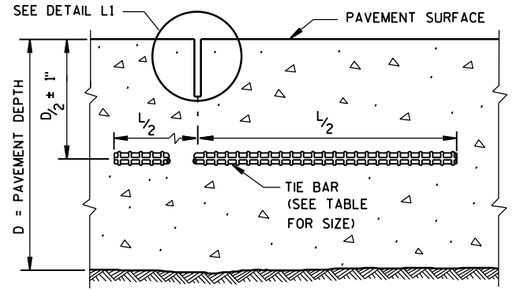
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



LONGITUDINAL JOINTS



SECTION C-C

SAWED LONGITUDINAL JOINT

GENERAL NOTES

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

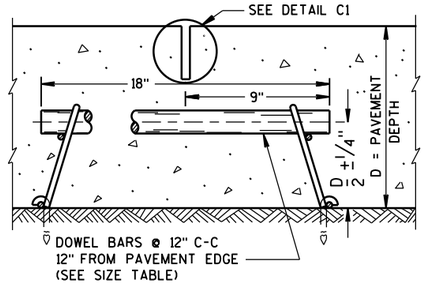
CONCRETE PAVEMENT REPAIRS OF EXISTING NONDOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

DO NOT SEAL OR FILL JOINTS.

ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

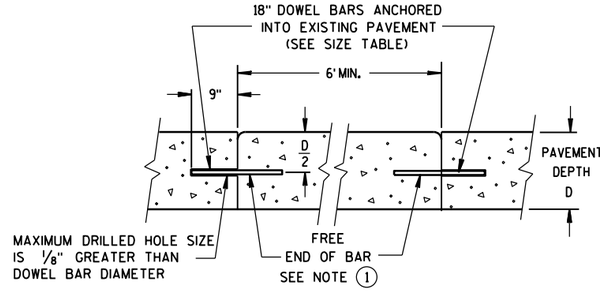
FOR MULTI-LANE CONCRETE PAVEMENT REPLACEMENTS, PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

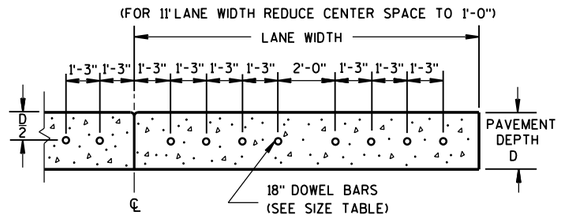


SECTION F-F

CONTRACTION JOINT



SECTION D-D

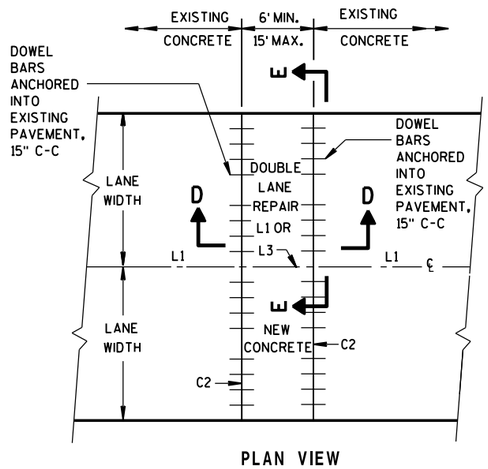


SECTION E-E

DRILLED DOWEL BAR CONSTRUCTION JOINT

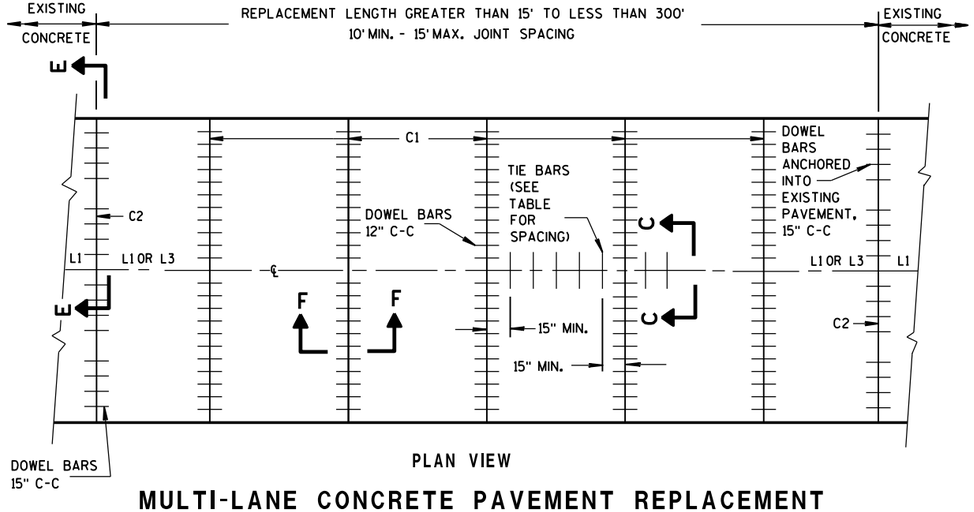
PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6",6 ½"	NONE	12'
7",7 ½"	1"	14'
8",8 ½"	1 ¼"	15'
9",9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'



PLAN VIEW

MULTI-LANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

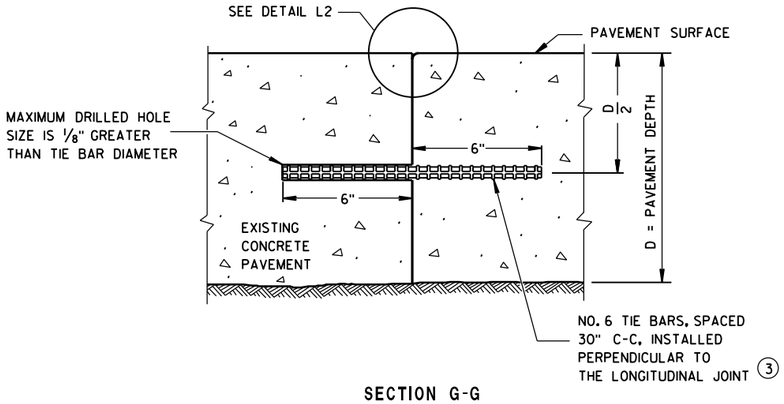
MULTI-LANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 13 C 9-13b



SECTION G-G

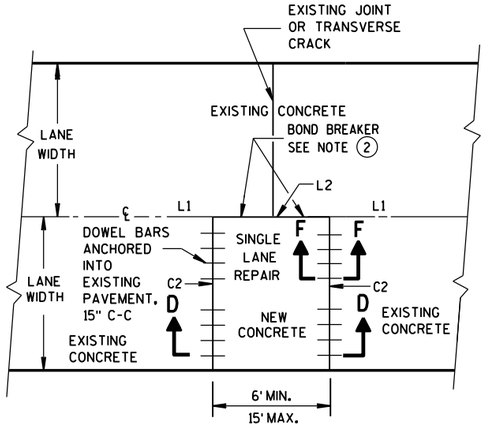
TIE BARS ANCHORED INTO EXISTING PAVEMENT

GENERAL NOTES

(1) WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.

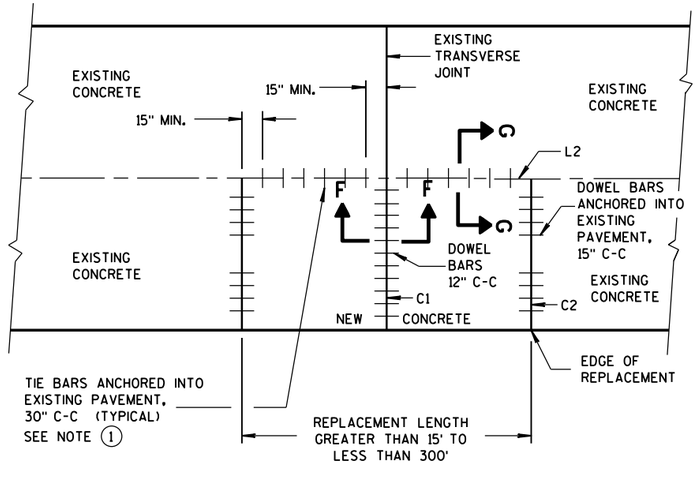
(2) USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.

(3) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPLACEMENT

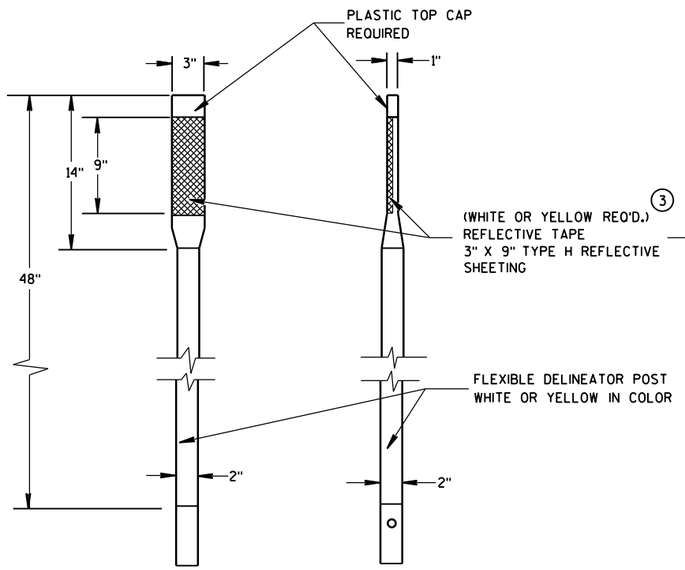
CONCRETE PAVEMENT REPAIR AND REPLACEMENT

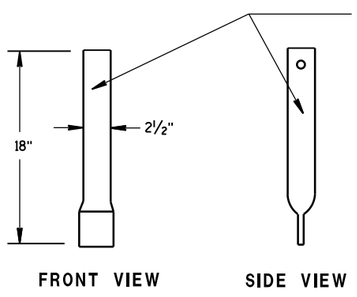
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2015 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPER
FHWA

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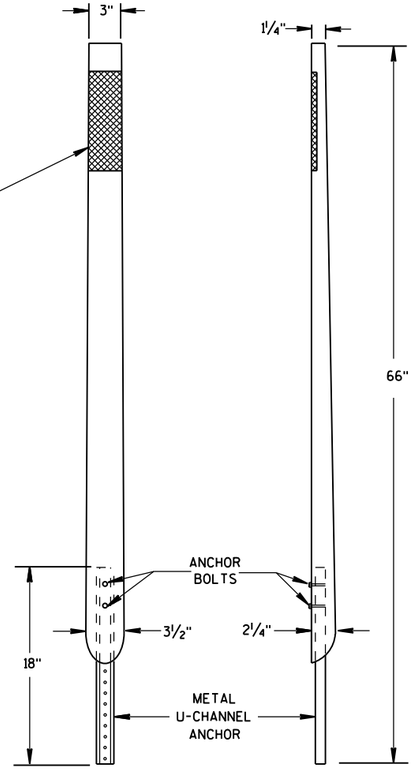
S.D.D. 13 C 9-13c





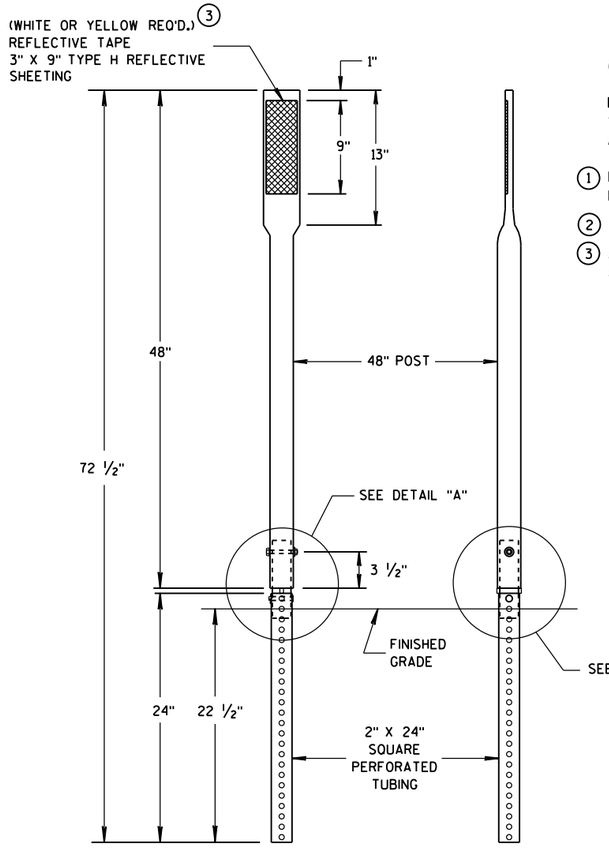
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2



FRONT VIEW SIDE VIEW

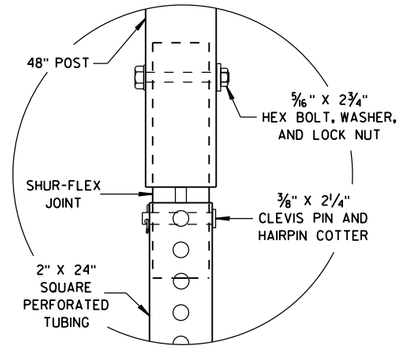
ALTERNATE 3

FLEXIBLE DELINEATOR POSTS

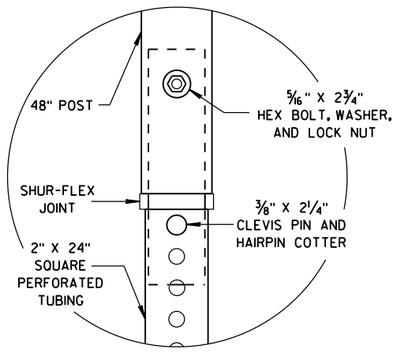
GENERAL NOTES

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

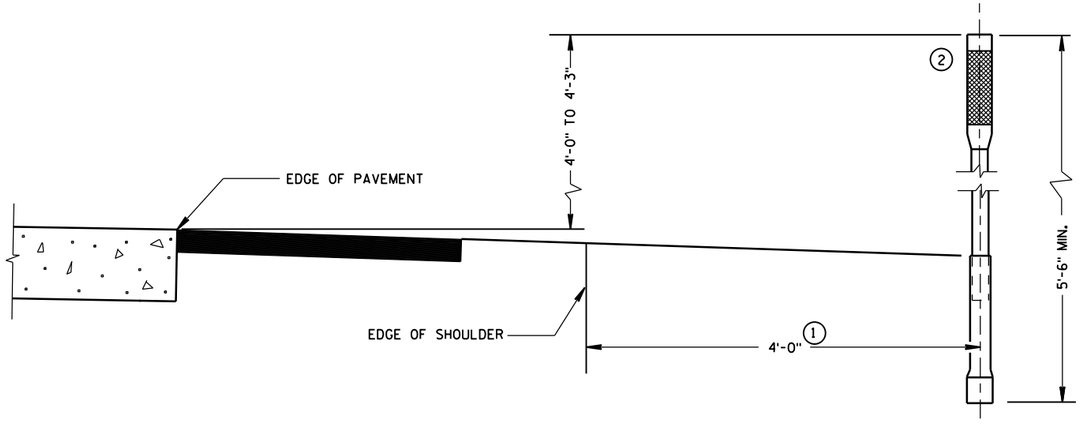
1. DELINEATORS SHALL BE PLACED AT A CONSTANT DISTANCE FROM THE EDGE OF THE SHOULDER FOR THE LENGTH OF THE INSTALLATION.
2. EITHER ALTERNATE NO. 1, NO. 2 OR NO. 3 MAY BE FURNISHED.
3. AS PER SECTION 637.2.2.2. OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

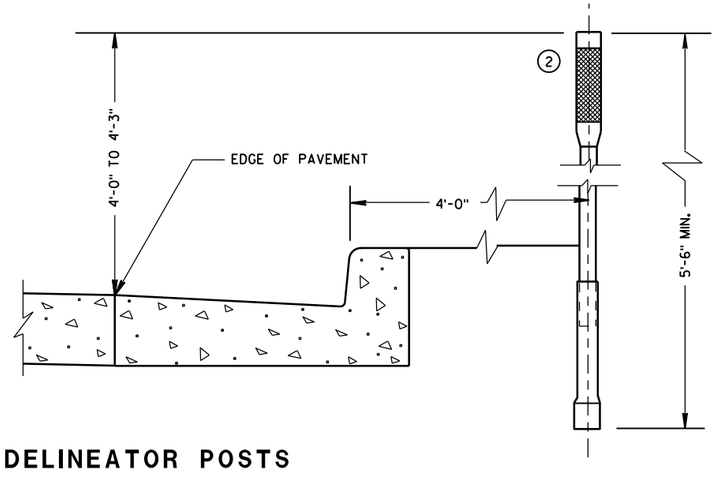


DETAIL A



DETAIL B





TYPICAL INSTALLATIONS OF FLEXIBLE DELINEATOR POSTS

FLEXIBLE DELINEATOR POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9-26-2012 DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

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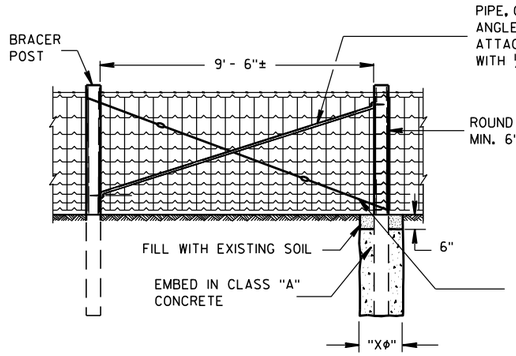
S.D.D. 15 A 4-2

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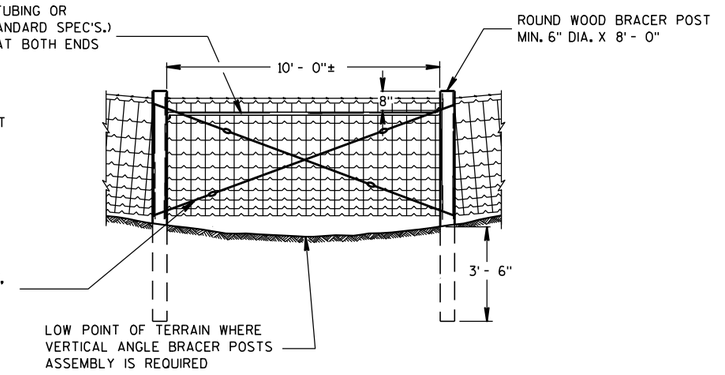
S.D.D. 15 A 4-2

NOTE: PULL OR STRETCHER POST ASSEMBLIES SHALL BE PLACED MIDWAY BETWEEN END POSTS AND CORNER POSTS WHERE A RUN OF FENCE EXCEEDS 660' BUT IS LESS THAN 1,320'. FOR RUNS OF FENCE IN EXCESS OF 1,320' MAXIMUM SPACING OF PULL OR STRETCHER POST ASSEMBLIES SHALL BE 660'± C-C.

ILLUSTRATION SHOWS POSITION OF STANDARD STEEL BRACE, DOUBLE STRAND GALVANIZED WIRE, AND THE POST TO BE EMBEDDED IN CONCRETE WHEN WIRE FENCE IS INSTALLED FROM LEFT TO RIGHT. THE BRACES SHALL BE POSITIONED ON THE OPPOSITE DIAGONALS AND THE OPPOSITE POST SHALL BE EMBEDDED IN CONCRETE WHEN WIRE FENCE IS INSTALLED FROM RIGHT TO LEFT.



PULL OR STRETCHER POSTS ASSEMBLY



VERTICAL ANGLE BRACER POSTS ASSEMBLY

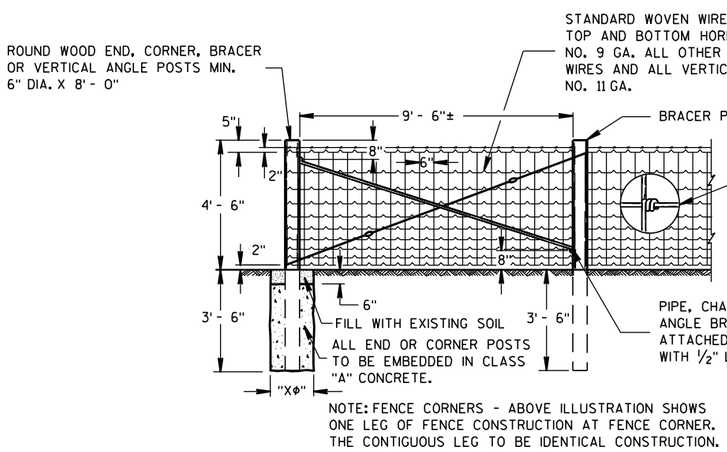
GENERAL NOTES

"XΦ" = DIAMETER OF THE POST PLUS 12".

FENCE STAPLES SHOULD NEVER BE DRIVEN VERTICALLY INTO WOOD POSTS (WITH BOTH LEGS PARALLEL WITH THE WOOD GRAIN). DOING SO CAN SEPARATE THE GRAIN AND SIGNIFICANTLY REDUCE THE HOLDING POWER. ROTATING THE STAPLES SLIGHTLY OFF VERTICAL STRADDLES THE GRAIN AND PROVIDES MORE RESISTANCE TO PULL-OUT.

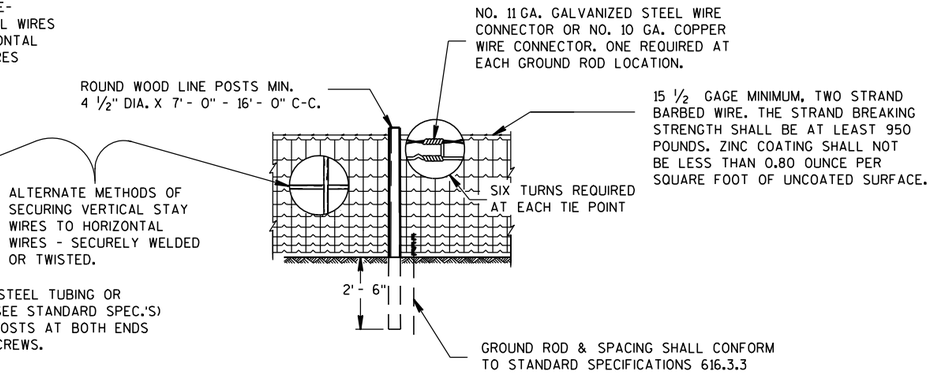
DO NOT STAPLE WIRE TIGHT TO THE LINE POSTS. ALLOW MOVEMENT OF WIRE FOR EXPANSION AND CONTRACTION. STAPLE ARRANGEMENT SHALL BE THE SAME FOR ALL OTHER POSTS EXCEPT THAT THEY SHALL BE DRIVEN TIGHT TO POSTS. ALL STAPLES SHALL BE 2" X 9 GAGE AND SHALL BE MANUFACTURED FROM GALVANIZED WIRE OR HOT DIP GALVANIZED AFTER FORMING. STAPLES SHALL HAVE SLASH-CUT POINTS.

FENCE SHALL BE LOCATED 3'-0" INSIDE THE RIGHT OF WAY LINE UNLESS OTHERWISE INDICATED ON THE PLANS.



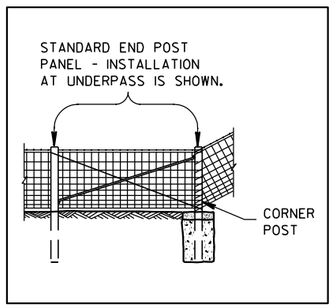
NOTE: FENCE CORNERS - ABOVE ILLUSTRATION SHOWS ONE LEG OF FENCE CONSTRUCTION AT FENCE CORNER. THE CONTIGUOUS LEG TO BE IDENTICAL CONSTRUCTION.

END OR CORNER POSTS ASSEMBLY

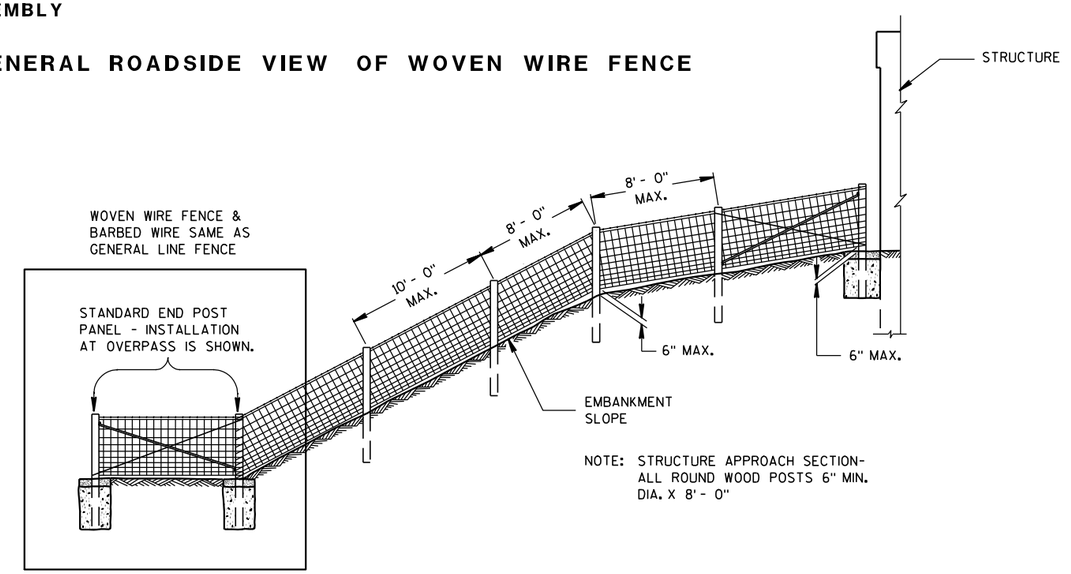


LINE FENCE CONSTRUCTION

GENERAL ROADSIDE VIEW OF WOVEN WIRE FENCE



ALTERNATE FENCE DESIGN AT STRUCTURE



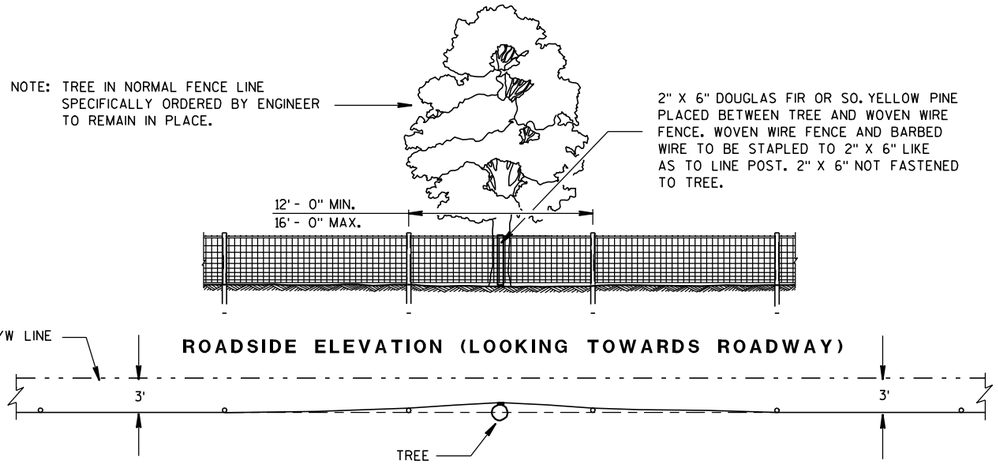
FENCE DESIGN AT STRUCTURE APPROACH

FENCE WOVEN WIRE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

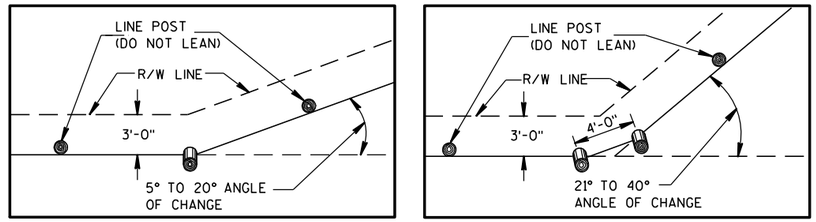
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S.D.D. 15 B 1-8a
S.D.D. 15 B 1-8a



PLAN VIEW

FENCE DESIGN AT TREES REMAINING IN NORMAL FENCE LINE



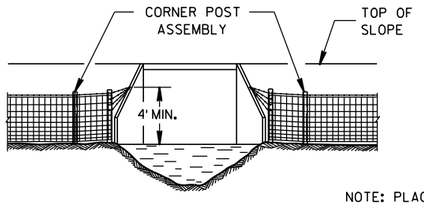
PLAN VIEW
SINGLE POST CORNER

PLAN VIEW
DOUBLE POST CORNER

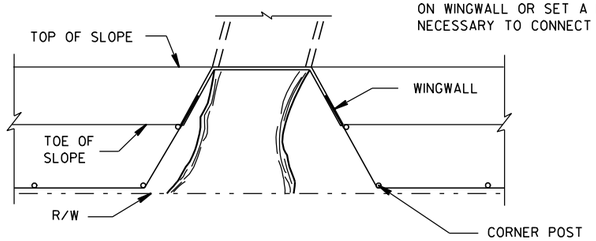
RIGHT OF WAY LINE CHANGE 40° AND LESS

NOTE: SINGLE AND DOUBLE POSTS SHALL BE A MIN. 6" DIA. X 8'-0" WITH A LEAN OF 4" TOWARD THE OUTSIDE OF THE CURVE.

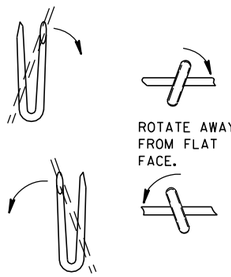
WHEN THE RIGHT OF WAY LINE CHANGE IS MORE THAN 40° USE THE CORNER OR STRETCHER POSTS ASSEMBLY.



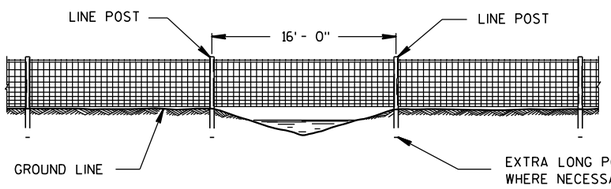
NOTE: PLACE A MINIMUM OF 4 STRANDS OF BARBED WIRE, 6" MAXIMUM CENTERS IN FAN SHAPE CONNECTED TO AN EYE BOLT ON WINGWALL OR SET A LONE POST WHEN NECESSARY TO CONNECT BARBED WIRE.



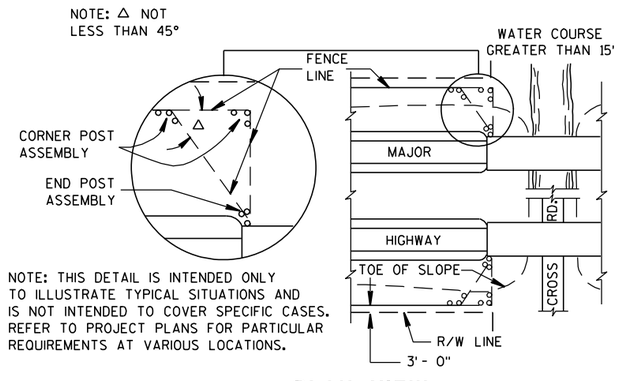
FENCE INSTALLATION TO WINGWALLS



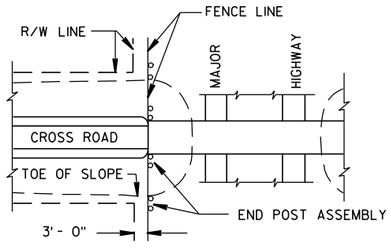
LINE POST



FENCE CONSTRUCTION OVER STREAM COURSES OF 15 FT. OR LESS IN WIDTH

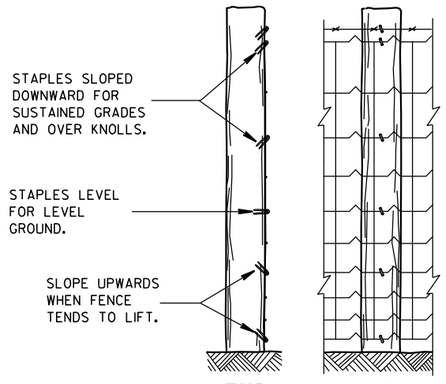


PLAN VIEW
MAJOR HIGHWAY OVERPASS OR STREAM COURSE CROSSING OF GREATER THAN 15 FT. IN WIDTH



PLAN VIEW
MAJOR HIGHWAY UNDERPASS

NOTE: WHEN POSTS ARE DRIVEN THE SMALL END SHALL BE DOWN.



END ELEVATION **FARM SIDE ELEVATION**

FENCE MOUNTING DETAIL

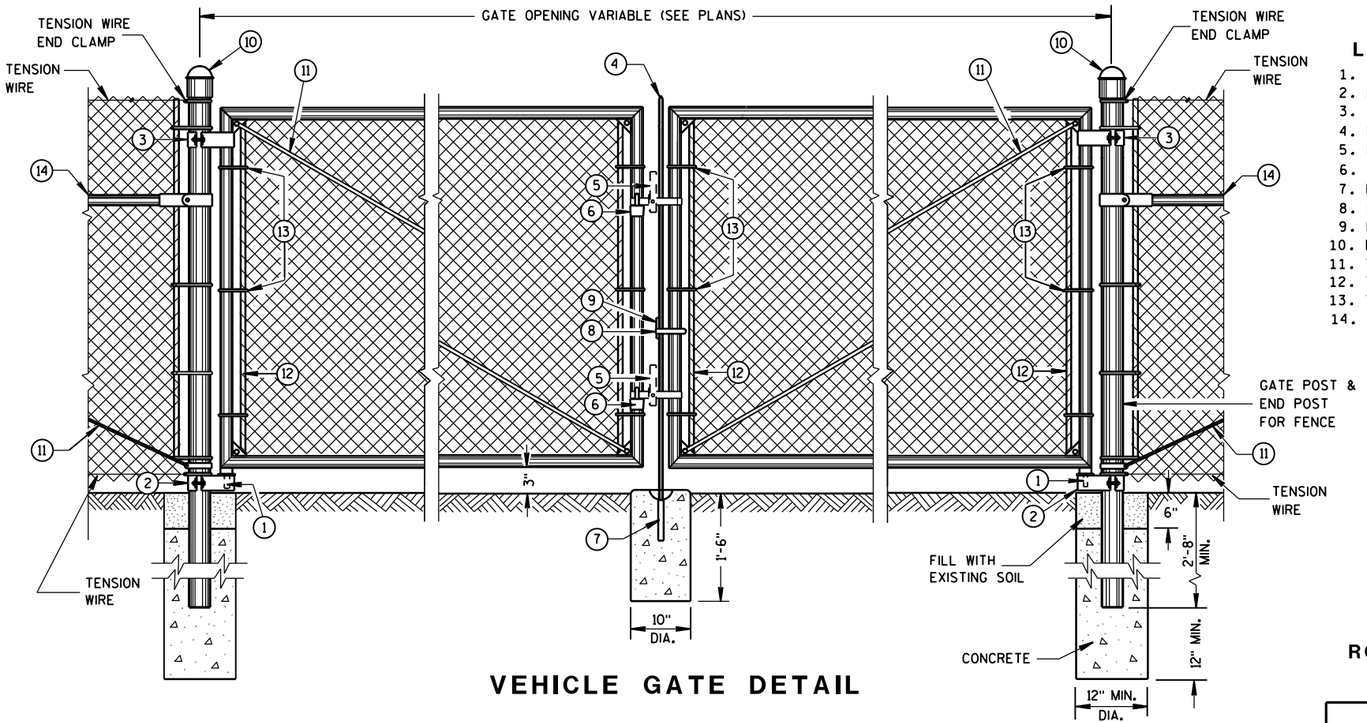
FENCE LOCATION AT STRUCTURES

FENCE WOVEN WIRE

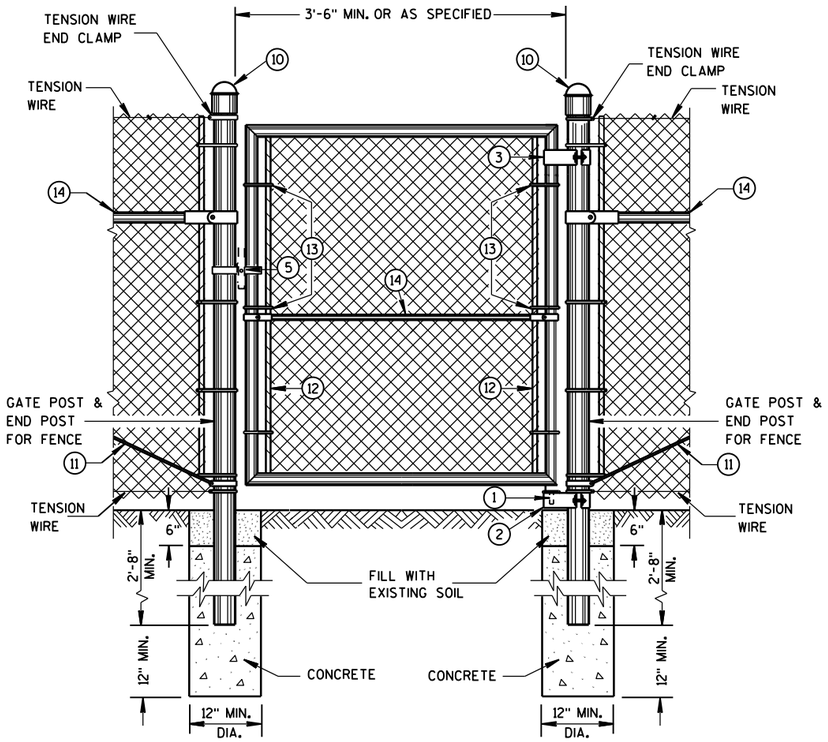
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/4/2008 — DATE
/S/ Jerry H. ---
ROADWAY STANDARDS ENGINEER
251
FHWA

6
S.D.D. 15 B 1-8b



VEHICLE GATE DETAIL



PEDESTRIAN GATE DETAIL

LEGEND

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

*NOT REQUIRED ON SINGLE SWING PEDESTRIAN GATE

GENERAL NOTES

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

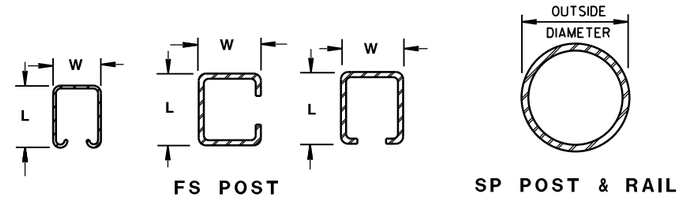
USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

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

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

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

USE TYPE 2, CLASS 3, MARCELLED/CRIMPED, TENSION WIRE PER ASTM A 817.



FS POST — SP POST & RAIL

CROSS SECTIONS OF POSTS AND RAILS

REQUIRED FENCE POST SIZES

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

BRACE RAIL TYPES

USE		TYPE
BRACE RAIL		SP1 OR FS1

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

ROLLED-FORMED STEEL FENCE POST (2.0 OZ./SQ. FT. COATING)

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

REQUIRED POST SIZE FOR GATES

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

ROUND STEEL FENCE POST (1.8 OZ./SQ. FT. COATING)

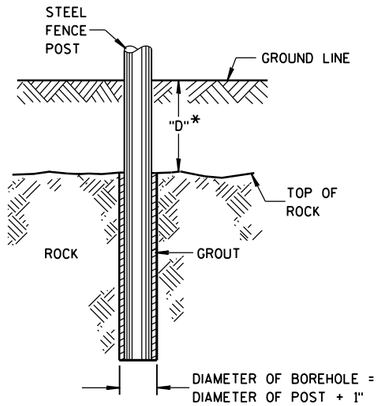
POST TYPE	OUTSIDE DIMENSION INCH	WALL THICKNESS INCH	WEIGHT LBS/FT
SP1	1.660	0.140	2.270
SP2	1.900	0.145	2.720
SP3	2.375	0.154	3.650
SP4	2.875	0.203	5.800
SP5	4.000	0.226	9.120
SP6	6.625	0.280	18.990
SP7	8.625	0.322	28.580

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

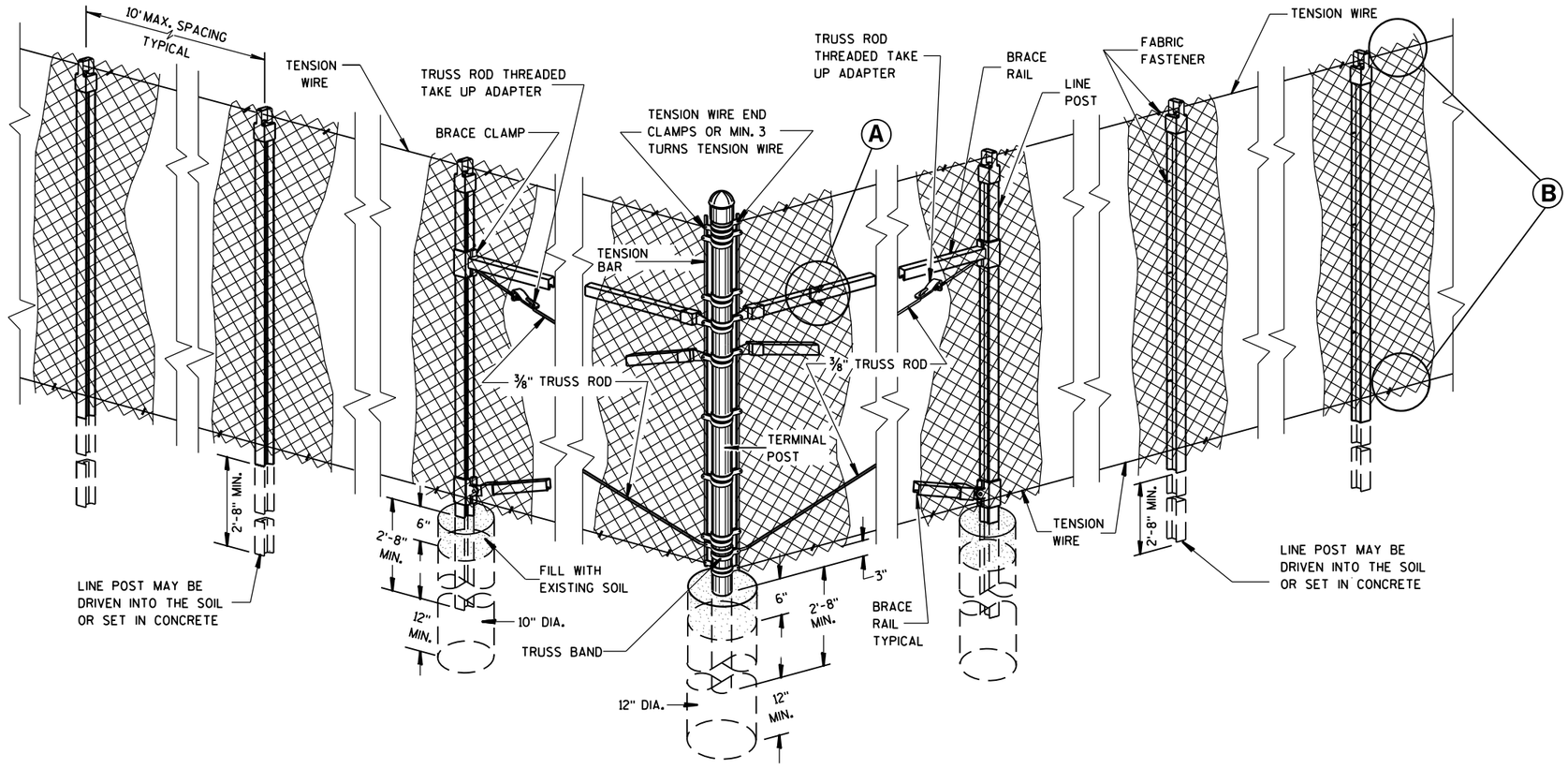
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S.D.D. 15 B 3-15a

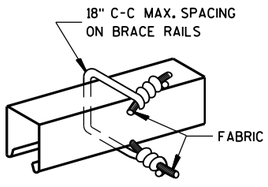


*IF "D" IS LESS THAN 2'-6", DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST



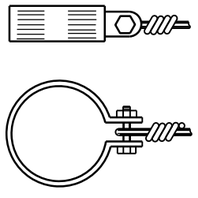
END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



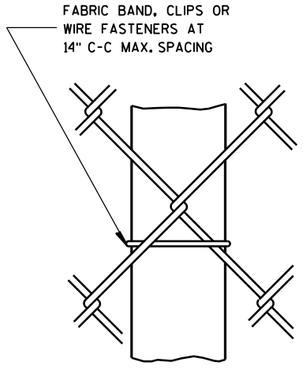
BRACE RAIL

FABRIC FASTENER

Ⓐ



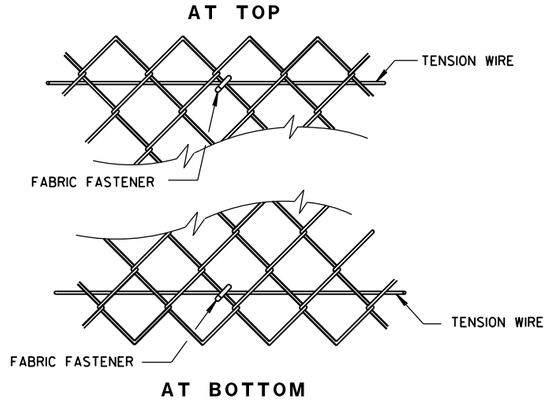
TENSION WIRE END CLAMP



LINE POST

FABRIC FASTENER

AT TOP



AT BOTTOM

SELVAGES

Ⓑ

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
FEB. 2015 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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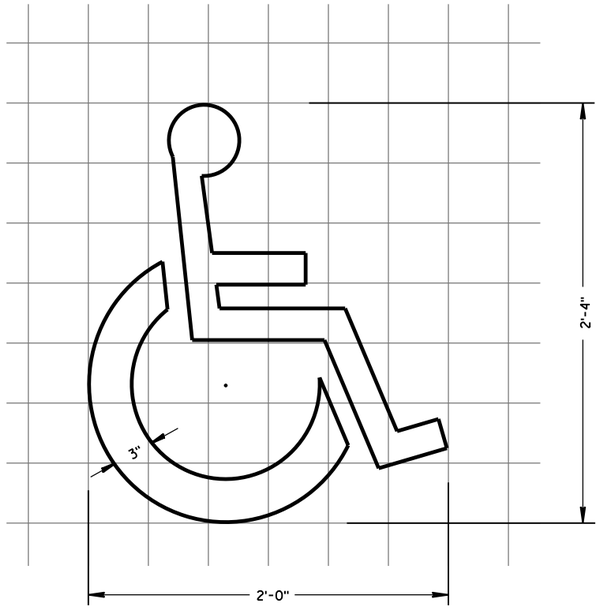
S.D.D. 15 B 3-15b

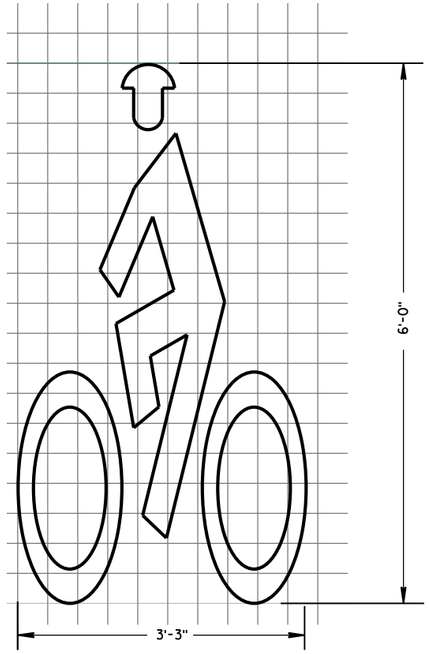
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S.D.D. 15 B 3-15b

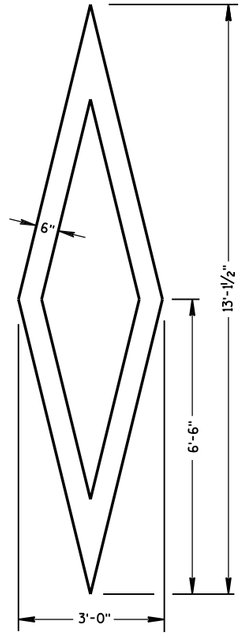
GENERAL NOTES

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





BIKE CROSSING SYMBOL



PREFERENTIAL LANE SYMBOL

PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4/18/16	/S/ Matthew R. Rauch
DATE	STATE SIGNING AND MARKING ENGINEER

FHWA

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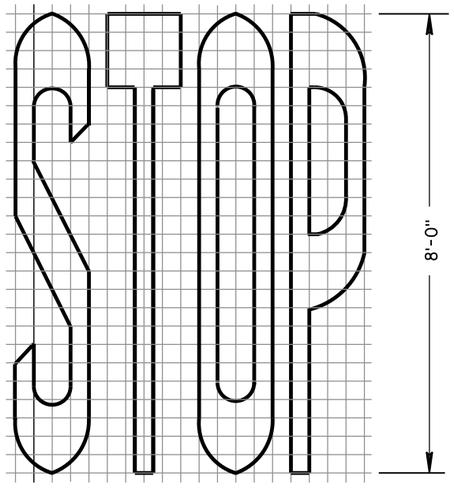
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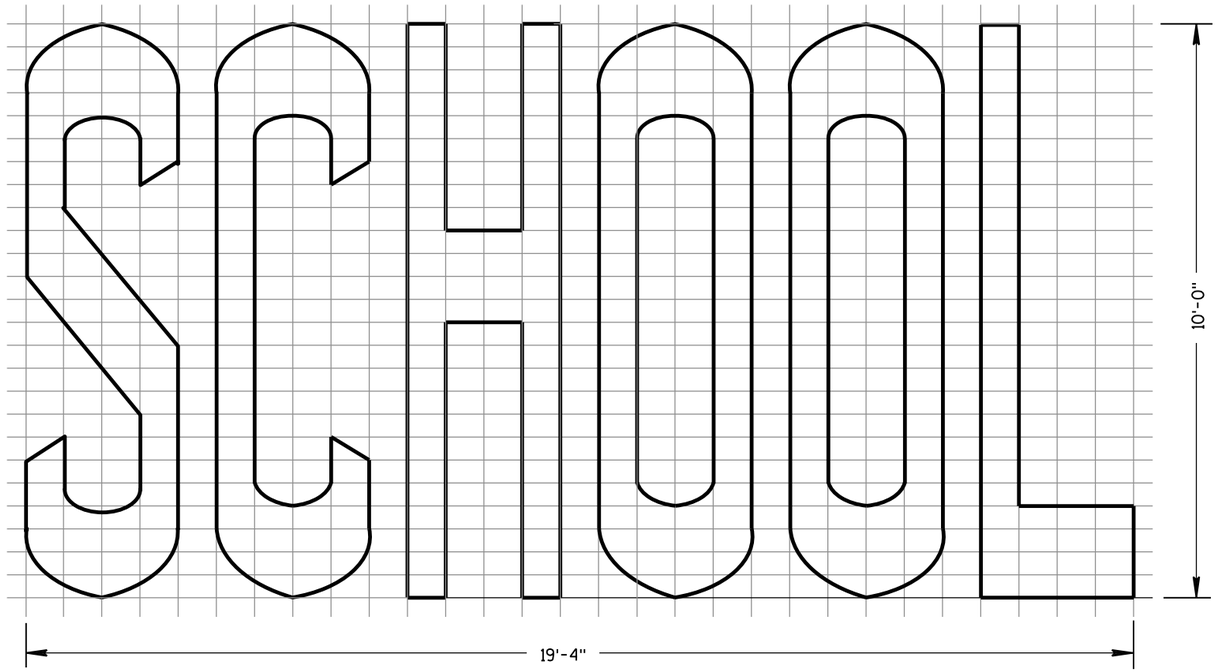
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GENERAL NOTES

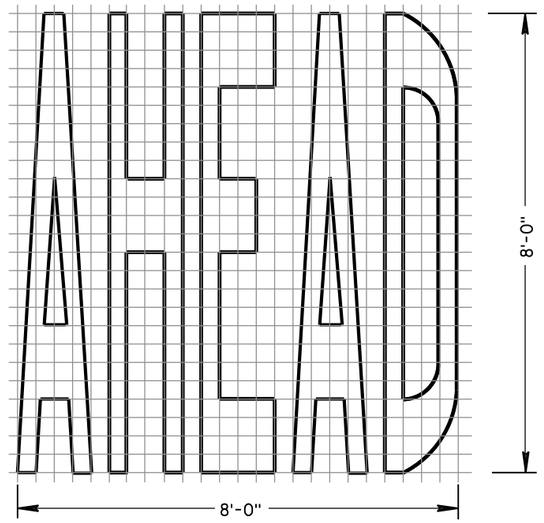
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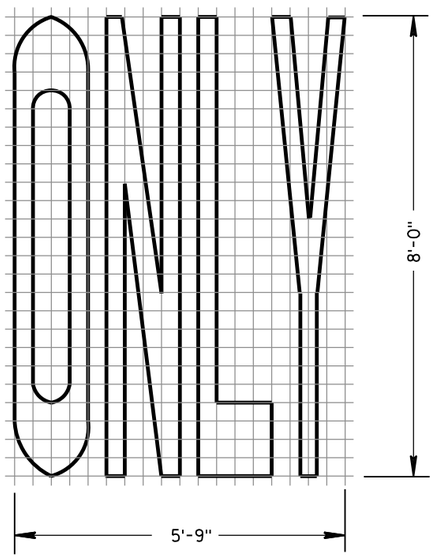


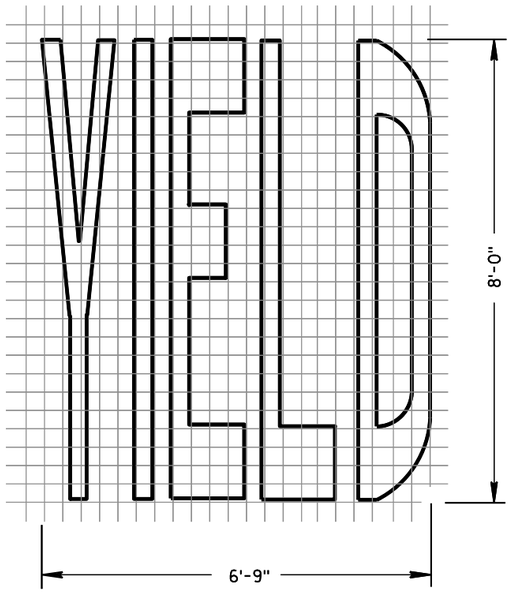


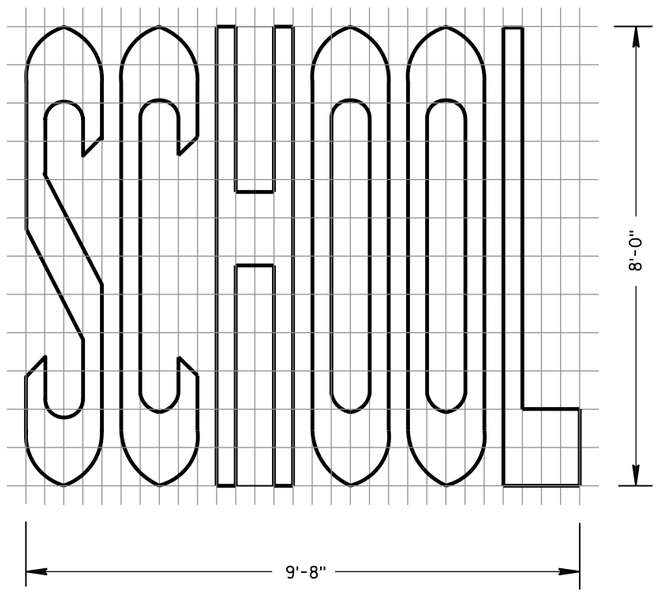


TWO-LANE









SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-18-16	/S/ Matthew R. Rauch	
DATE	STATE SIGNING AND MARK 255	EER

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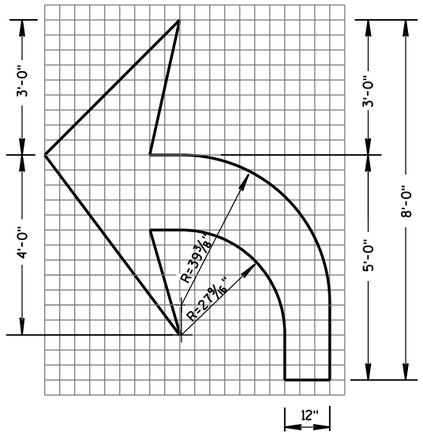
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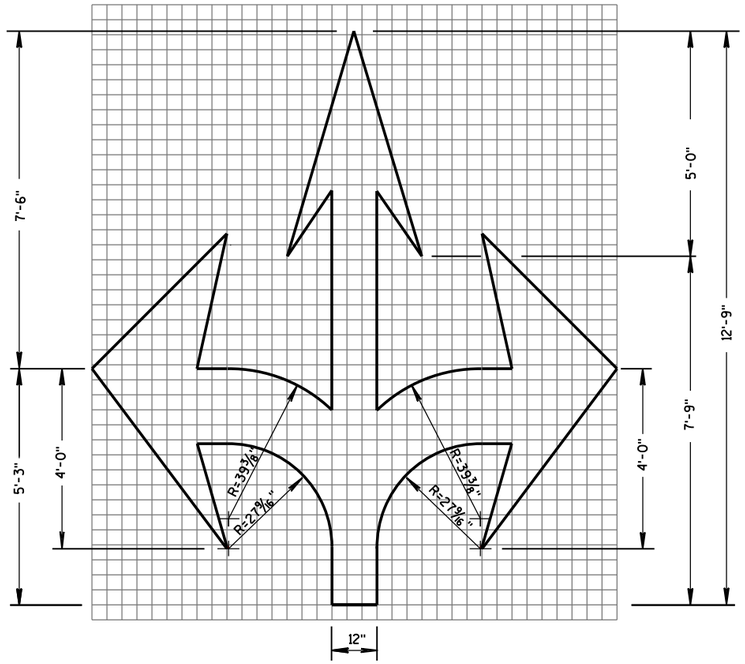
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GENERAL NOTES

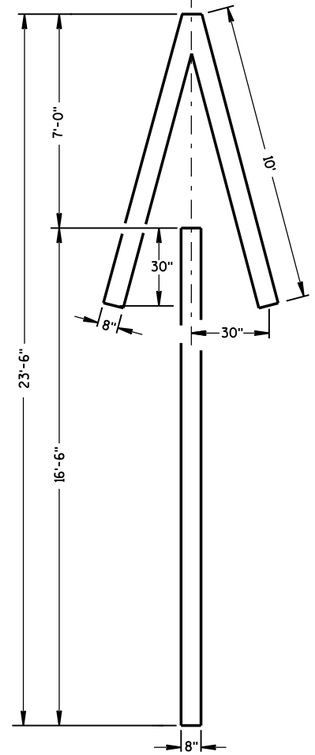
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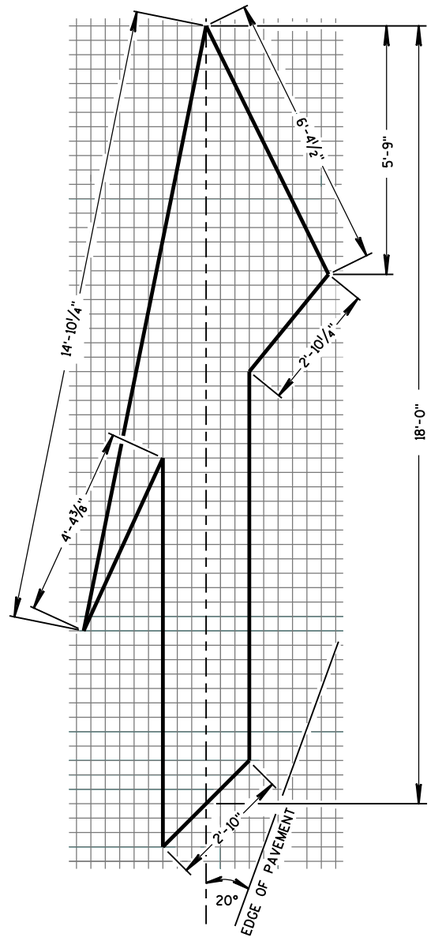
TYPE 2



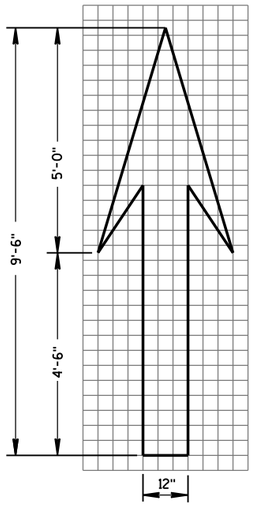
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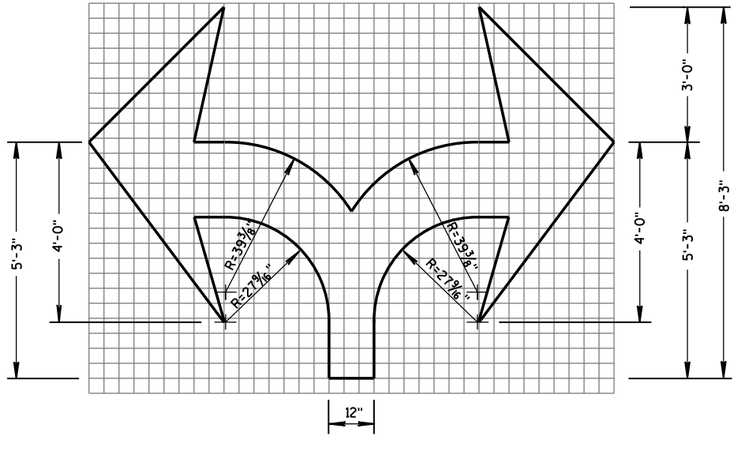
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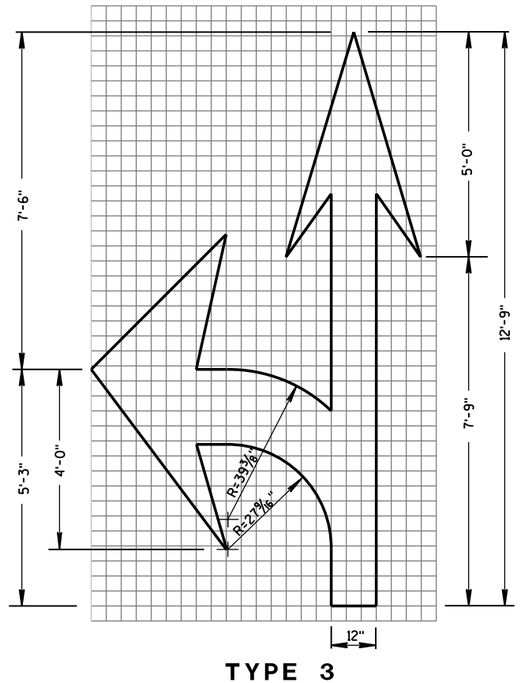
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

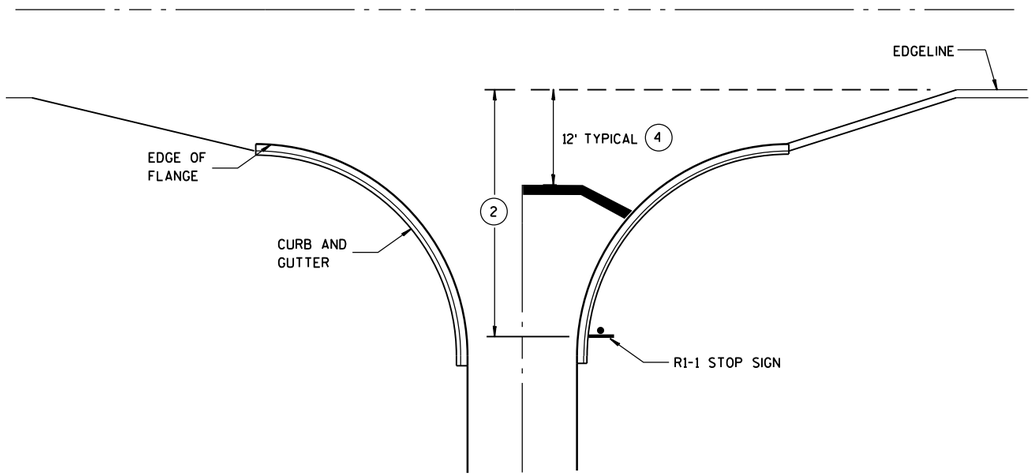
APPROVED
4-18-16 DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MAR ENGINEER
FHWA

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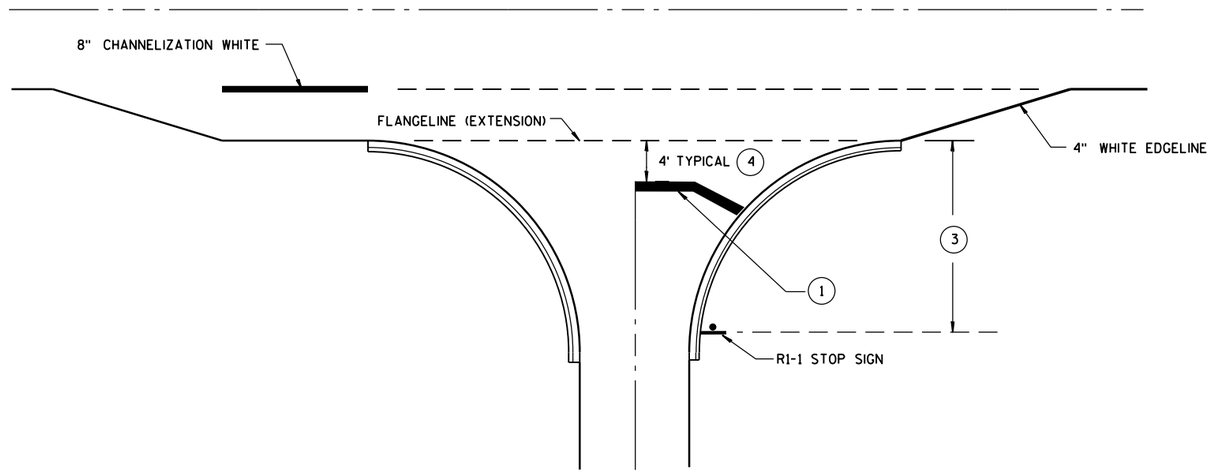
S.D.D. 15 C 7-13c

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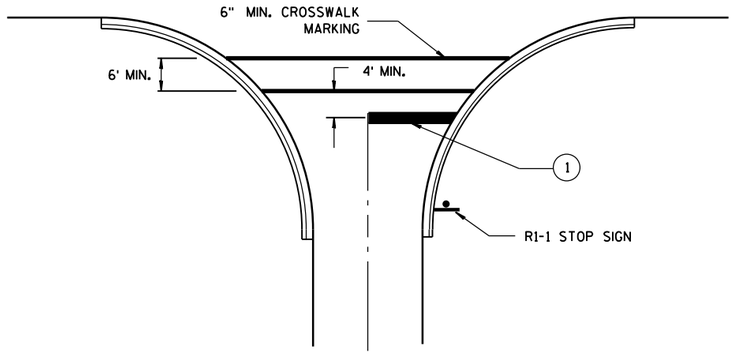
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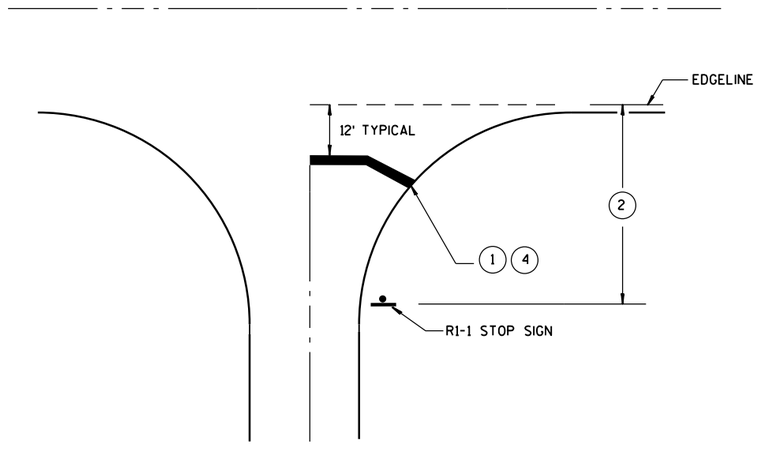
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
3. IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
4. MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

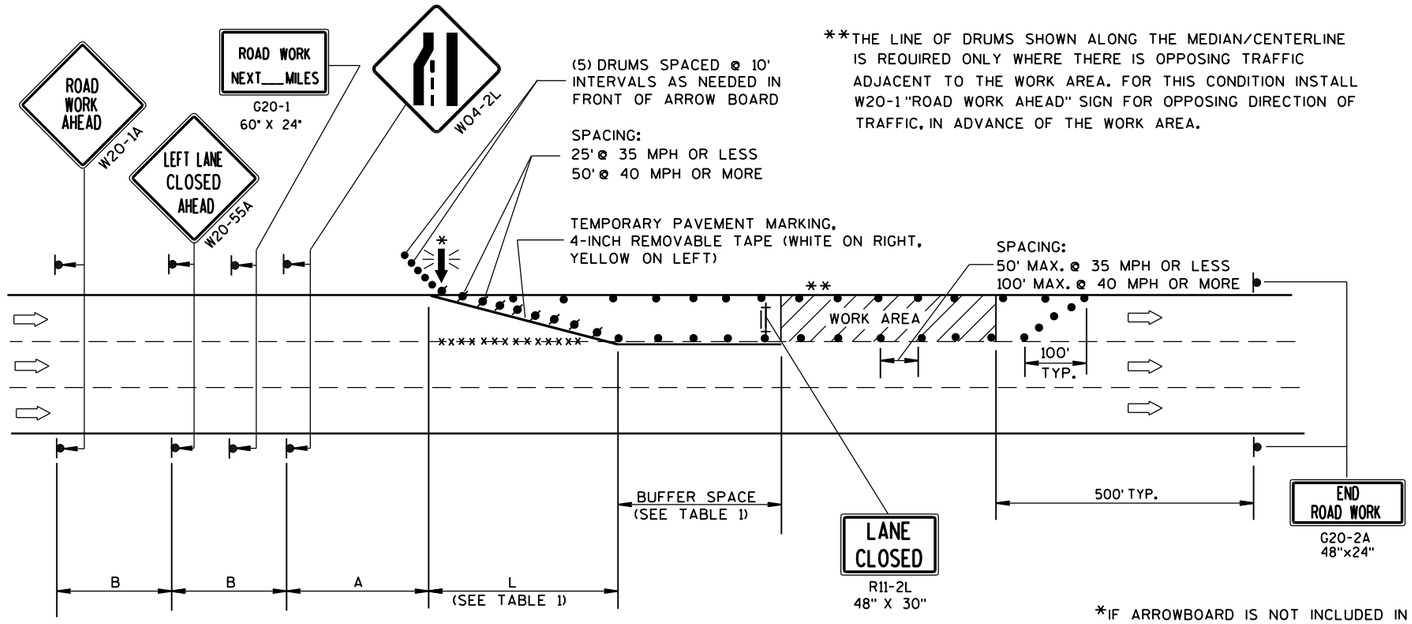
4-18-2016
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAR 257 NEER

FHWA

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S.D.D. 15 C 33-2



**THE LINE OF DRUMS SHOWN ALONG THE MEDIAN/CENTERLINE IS REQUIRED ONLY WHERE THERE IS OPPOSING TRAFFIC ADJACENT TO THE WORK AREA. FOR THIS CONDITION INSTALL W20-1 "ROAD WORK AHEAD" SIGN FOR OPPOSING DIRECTION OF TRAFFIC, IN ADVANCE OF THE WORK AREA.

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

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

(PLACE BARRICADE AND SIGN APPROX. EVERY 1000' ACROSS THE CLOSED LANE)

*IF ARROWBOARD IS NOT INCLUDED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE A TYPE III BARRICADE WITH W01-6 SIGN IN THE LANE CLOSURE TAPER.

W01-6
48"x24"

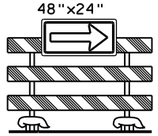


TABLE 1
TAPER AND BUFFER SPACE FOR 12' LANE WIDTH

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

FOR LANE WIDTH OTHER THAN 12':

L = WS AT 45 MPH OR GREATER

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

L = TAPER LENGTH IN FEET

S = NON-CONSTRUCTION SPEED LIMIT (MPH)

W = WIDTH OF LANE CLOSURE

LEGEND

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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016 — DATE
FHWA

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE SAFETY ENGINEER — IC

6

S.D.D. 15 D 20-4

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S.D.D. 15 D 20-4

GENERAL NOTES

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

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

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

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

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

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

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

TABLE A

SHOULDER TAPER LENGTH (FEET)					BUFFER SPACE (FEET)
S \ W	4	6	8	10	
30	20	30	40	50	200
35	30	45	55	70	250
40	40	55	75	90	305
45	60	90	120	150	360
50	70	100	135	170	425
55	75	110	150	185	495

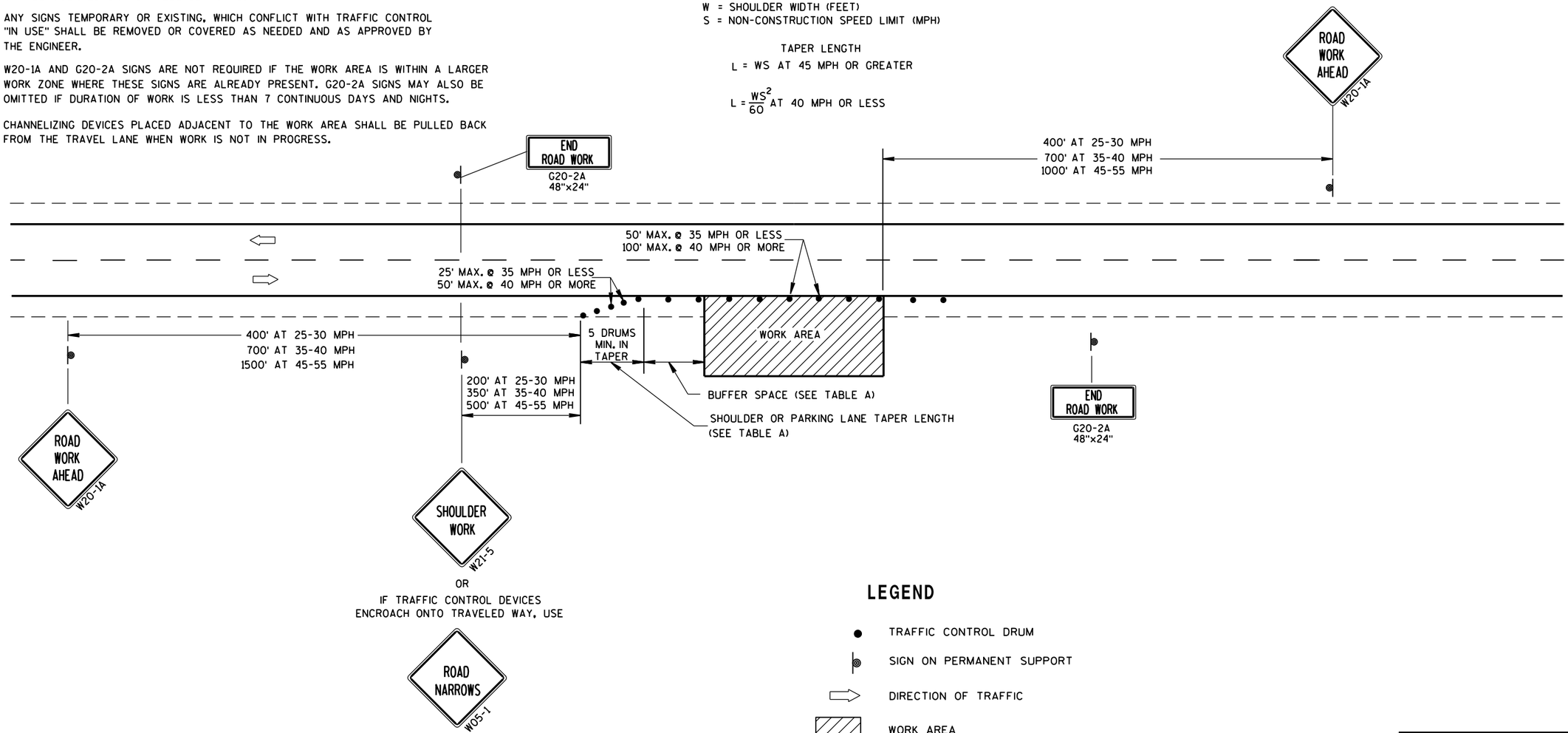
W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

TAPER LENGTH

L = WS AT 45 MPH OR GREATER

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

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



LEGEND

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

July 14, 2015 — DATE

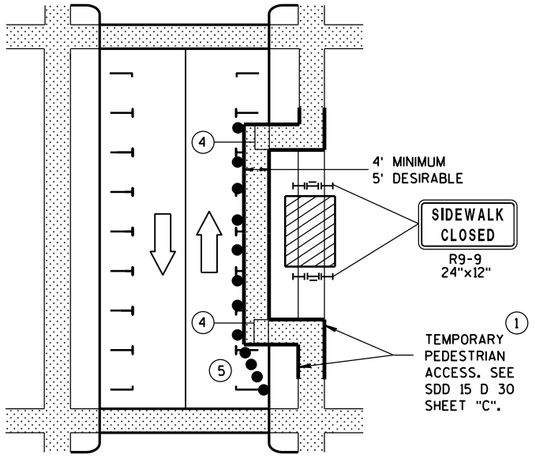
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible] FIC

FHWA

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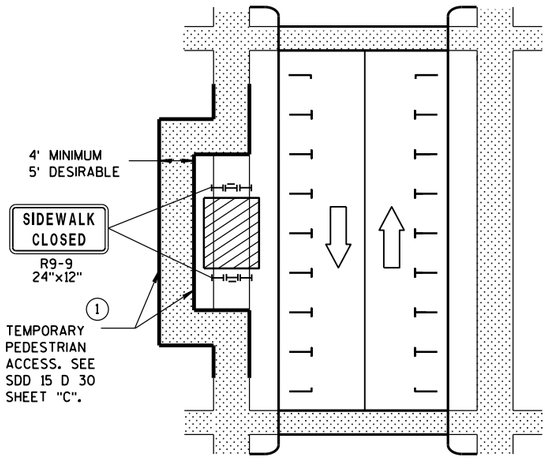
S.D.D. 15 D 28-3

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

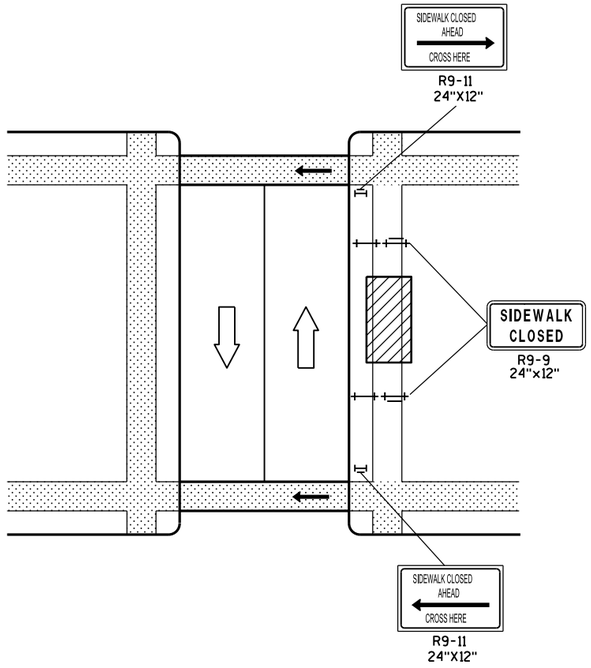


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

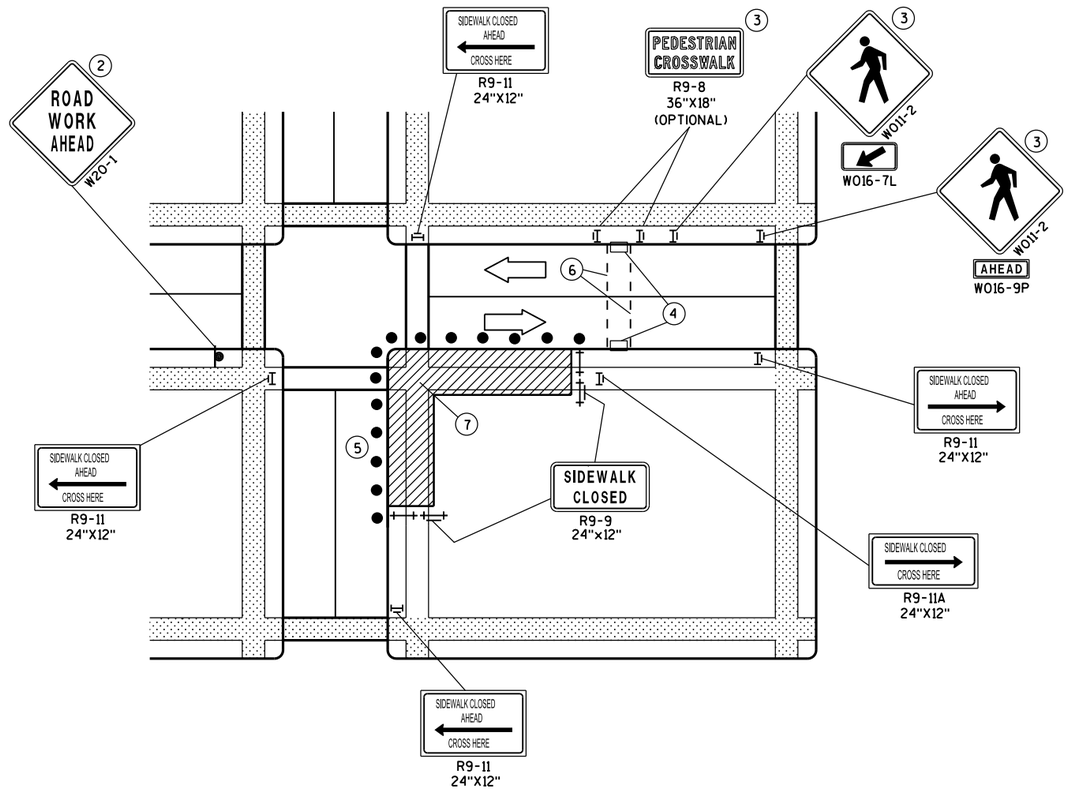
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

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

FOR NIGHTTIME CLOSURE USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

(1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE.

(2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.

(3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND W011-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.

(4) TEMPORARY CURB RAMPS. SEE SDD 15 D 30 SHEET "B".

(5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.

(6) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.

(7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

- SIGN ON PERMANENT SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- DIRECTION OF TRAFFIC
- TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

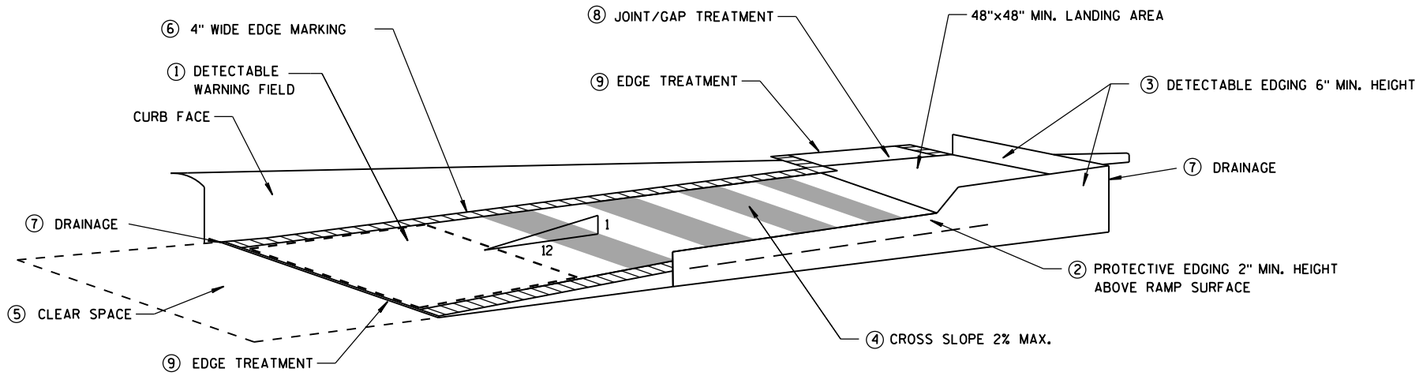
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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S.D.D. 15 D 30-2a

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S.D.D. 15 D 30-2a



TEMPORARY CURB RAMP PARALLEL TO CURB

GENERAL NOTES

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

① CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 8D5 SHEET "E".

② PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

③ DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

④ CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

⑤ CLEAR SPACE OF 48"X48" MIN. SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

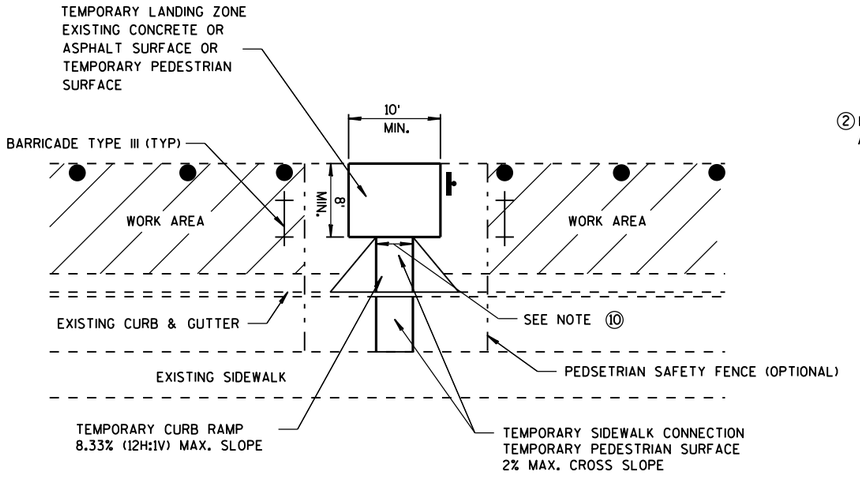
⑥ THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.

⑦ DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

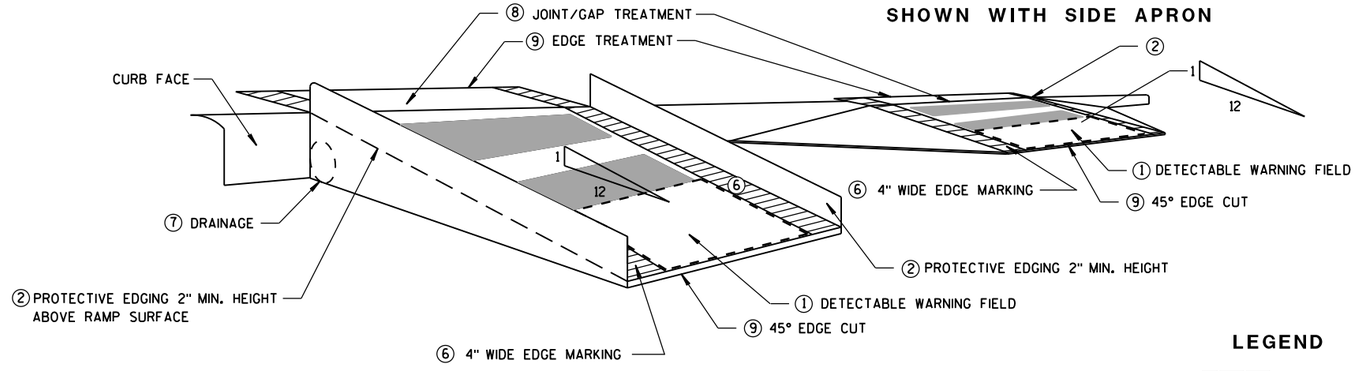
⑧ LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.

⑨ CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED 1/2". LATERAL EDGES SHALL BE VERTICAL UP TO 1/4" HIGH, AND BEVELED AT 1:2 BETWEEN 1/4" AND 1/2".

⑩ 5' WIDE MIN. WITH PEDSETRIAN SAFETY FENCE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY FENCE.



TEMPORARY BUS STOP PAD



SHOWN WITH PROTECTIVE EDGE

SHOWN WITH SIDE APRON

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

LEGEND

WORK AREA

TYPE III BARRICADE

TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

March 2015 DATE — /S/ Travis Feltes STATE TRAFFIC ENGINEER — SIGN

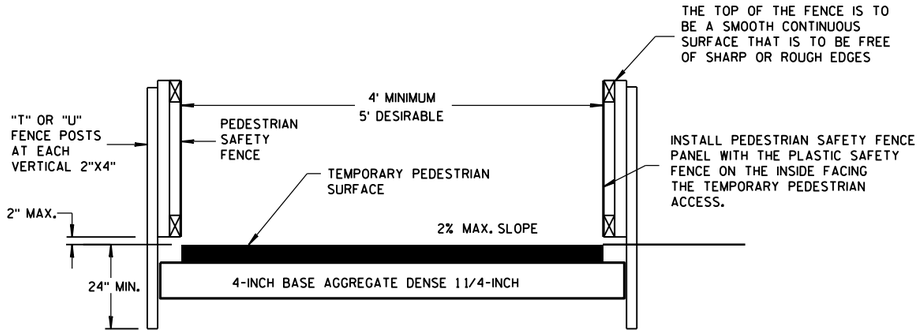
FHWA

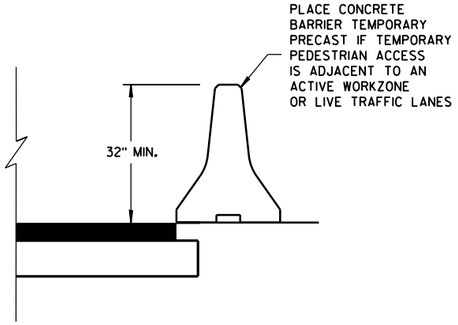
6

S.D.D. 15 D 30-2b

6

S.D.D. 15 D 30-2b

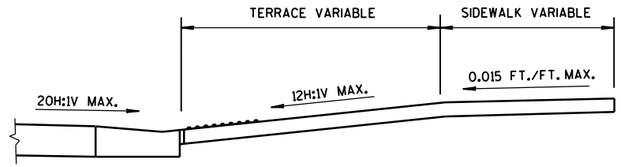




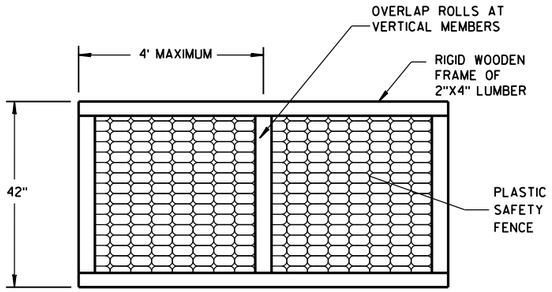
TEMPORARY PEDESTRIAN ACCESS

GENERAL NOTES

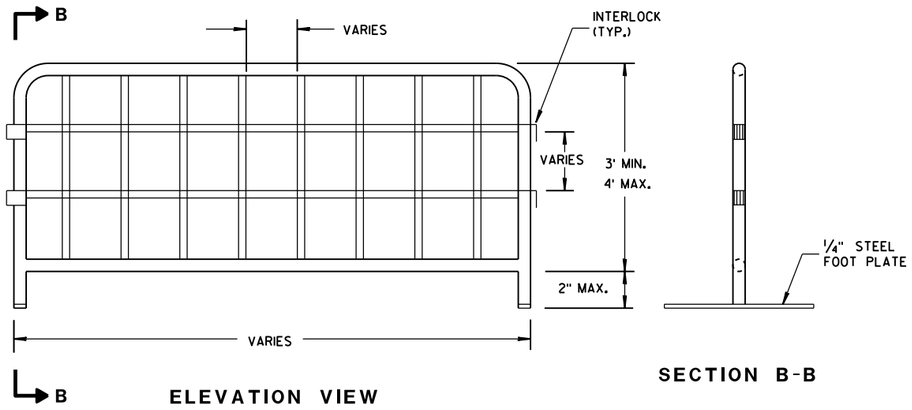
(1) INTERCHANGEABLE WITH THE PEDESTRIAN SAFETY FENCE.



SECTION A-A



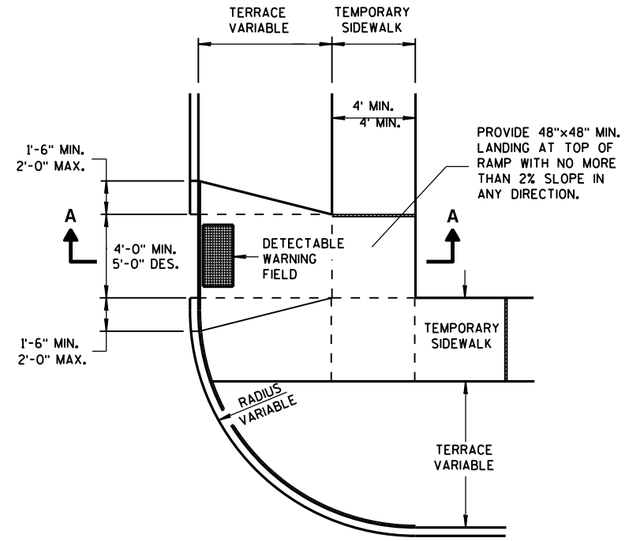
PEDESTRIAN SAFETY FENCE



ELEVATION VIEW

SECTION B-B

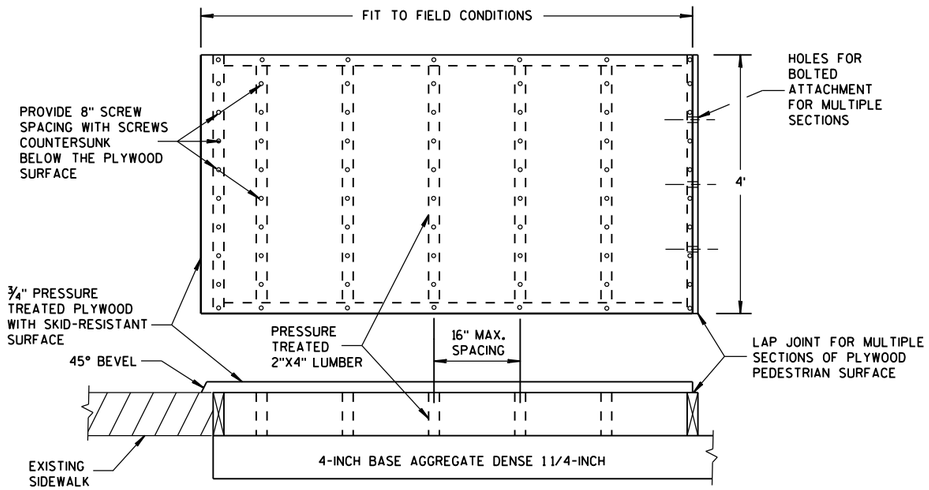
TEMPORARY PEDESTRIAN STEEL BARRICADE (1)



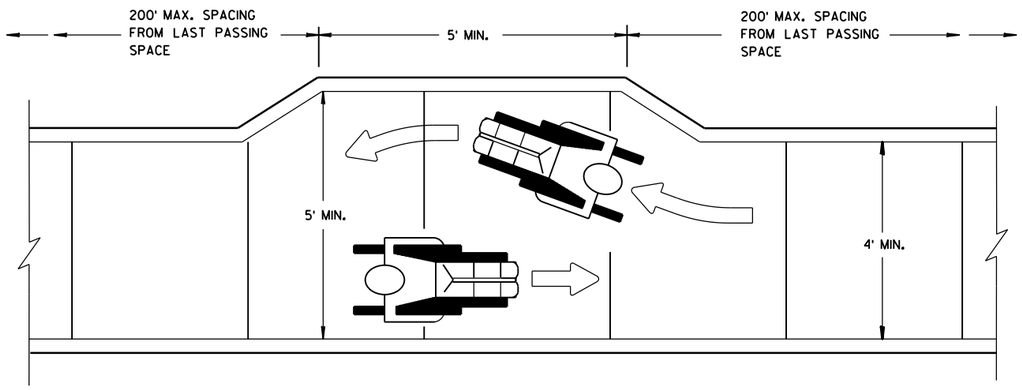
PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



NARROW SIDEWALK PASSING DETAIL

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

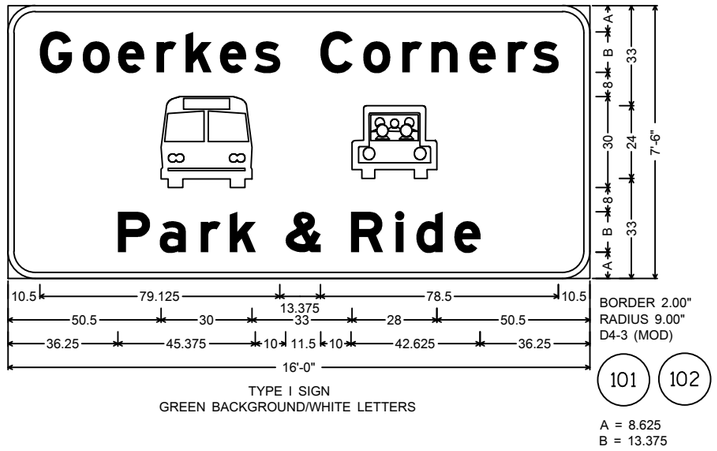
APPROVED
March 2015 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER — SIGN
FHWA

6

S.D.D. 15 D 30-2c

6

S.D.D. 15 D 30-2c

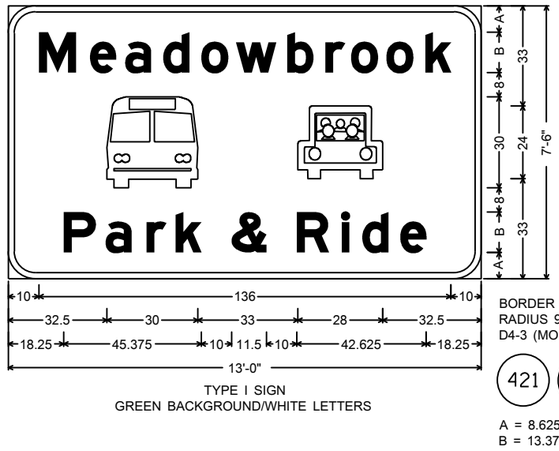


BORDER 2.00"
RADIUS 9.00"
D4-3 (MOD)

101 102

TYPE I SIGN
GREEN BACKGROUND/WHITE LETTERS

A = 8.625
B = 13.375

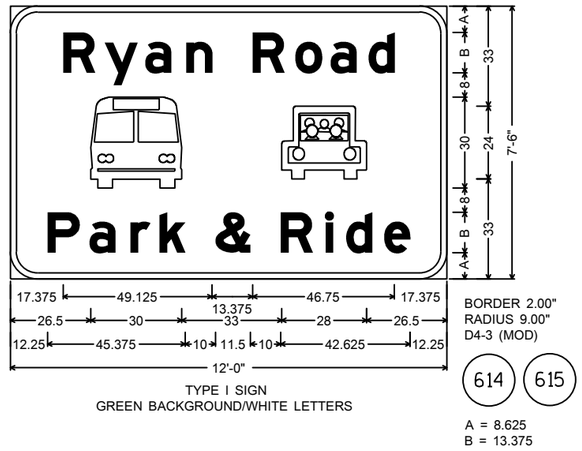


BORDER 2.00"
RADIUS 9.00"
D4-3 (MOD)

421 422

TYPE I SIGN
GREEN BACKGROUND/WHITE LETTERS

A = 8.625
B = 13.375



BORDER 2.00"
RADIUS 9.00"
D4-3 (MOD)

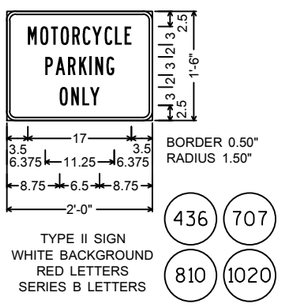
614 615

TYPE I SIGN
GREEN BACKGROUND/WHITE LETTERS

A = 8.625
B = 13.375

GENERAL NOTES:

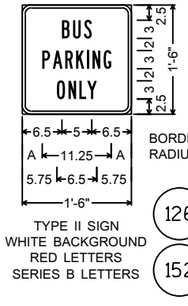
1. DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.
2. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET ARE "SIGNS, TYPE II".
3. UNLESS OTHERWISE NOTED, TYPE II SIGNS ON THIS SHEET SHALL HAVE "TYPE H REFLECTIVE SHEETING" AND "TYPE H MESSAGE MATERIAL". TYPE I SIGNS SHALL HAVE "TYPE SH REFLECTIVE SHEETING".
4. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE A GREEN BACKGROUND AND WHITE MESSAGE.
5. TYPE II SIGNS ALL UPPERCASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E". ALL LOWERCASE MESSAGE WITH AN INITIAL UPPERCASE LETTER SHALL BE "SERIES E".
6. TYPE I SIGNS ALL UPPERCASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E MODIFIED". ALL LOWER CASE MESSAGE WITH AN INITIAL UPPERCASE LETTER SHALL BE "SERIES E MODIFIED". ALL CAP WORDS ARE "SERIES E".
7. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE "TYPE A" OR "TYPE C" ARROWS AS SHOWN. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS.
8. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.
9. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.
10. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE "SERIES E" PER PLATES A11-7 AND A11-10.
11. DO NOT SCALE.



BORDER 0.50"
RADIUS 1.50"

436 707 810 1020

TYPE II SIGN
WHITE BACKGROUND
RED LETTERS
SERIES B LETTERS

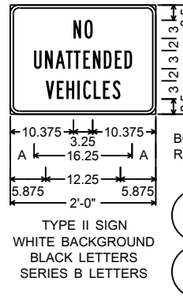


BORDER 0.50"
RADIUS 1.50"

126 127 151 152 153 156

TYPE II SIGN
WHITE BACKGROUND
RED LETTERS
SERIES B LETTERS

A = 3.375

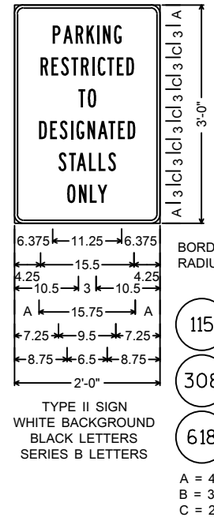


BORDER 0.50"
RADIUS 1.50"

120 124 146 147 148

TYPE II SIGN
WHITE BACKGROUND
BLACK LETTERS
SERIES B LETTERS

A = 3.875



BORDER 0.50"
RADIUS 1.50"

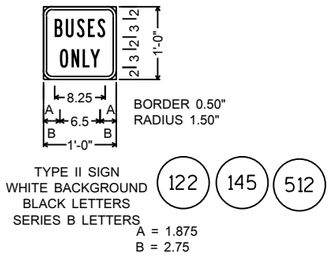
115 116 202 308 429 504 618 902 1112

TYPE II SIGN
WHITE BACKGROUND
BLACK LETTERS
SERIES B LETTERS

A = 4.125
B = 3.375
C = 2.25

PROJECT NO: 1000-04-70	HWY: VARIOUS	COUNTY: VARIOUS	SIGN DETAIL - TYPE I & II	SHEET 263	E

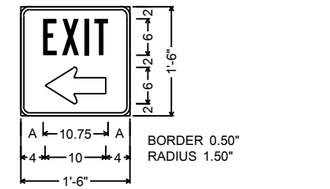
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LAYOUT NAME - 070101_MS
PLOT DATE : 5/18/2016 12:53 PM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET



TYPE II SIGN
WHITE BACKGROUND
BLACK LETTERS
SERIES B LETTERS

122 145 512

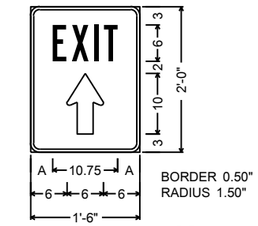
A = 1.875
B = 2.75



TYPE II SIGN
WHITE BACKGROUND
BLACK LETTERS
SERIES B LETTERS

103 106 131 402 516

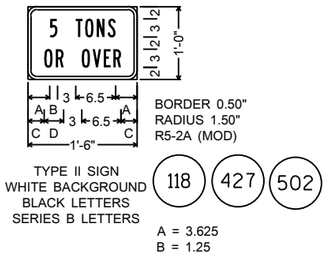
A = 3.625



TYPE II SIGN
WHITE BACKGROUND
BLACK LETTERS
SERIES B LETTERS

524

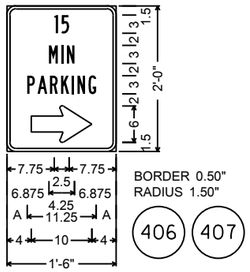
A = 3.625



TYPE II SIGN
WHITE BACKGROUND
BLACK LETTERS
SERIES B LETTERS

118 427 502

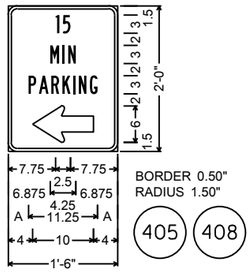
A = 3.625
B = 1.25
C = 2.625
D = 3.25



TYPE II SIGN
WHITE BACKGROUND
GREEN LETTERS
SERIES B LETTERS

406 407

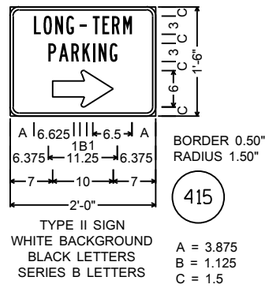
A = 3.375



TYPE II SIGN
WHITE BACKGROUND
GREEN LETTERS
SERIES B LETTERS

405 408

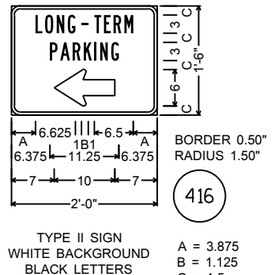
A = 3.375



TYPE II SIGN
WHITE BACKGROUND
BLACK LETTERS
SERIES B LETTERS

415

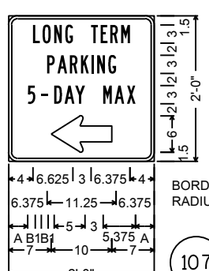
A = 3.875
B = 1.125
C = 1.5



TYPE II SIGN
WHITE BACKGROUND
BLACK LETTERS
SERIES B LETTERS

416

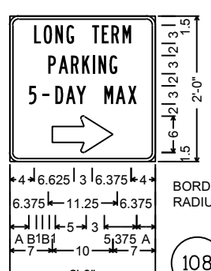
A = 3.875
B = 1.125
C = 1.5



TYPE II SIGN
WHITE BACKGROUND
BLACK LETTERS
SERIES B LETTERS

107 625 925 1102

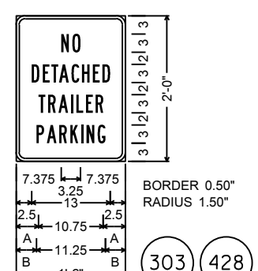
A = 3.125
B = 1.25



TYPE II SIGN
WHITE BACKGROUND
BLACK LETTERS
SERIES B LETTERS

108 626 926 1101

A = 3.125
B = 1.25



TYPE II SIGN
WHITE BACKGROUND
BLACK LETTERS
SERIES B LETTERS

303 428

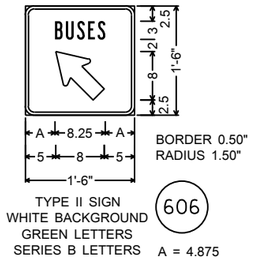
A = 3.625
B = 3.375

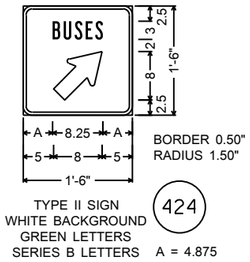
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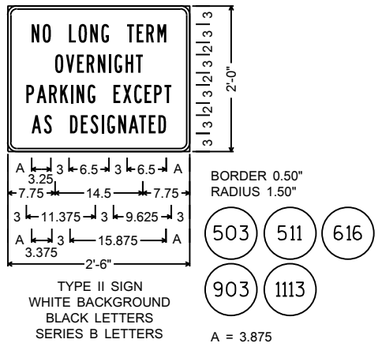
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6. TYPE I SIGNS ALL UPPERCASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E MODIFIED". ALL LOWER CASE MESSAGE WITH AN INITIAL UPPERCASE LETTER SHALL BE "SERIES E MODIFIED". ALL CAP WORDS ARE "SERIES E".
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8. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.
9. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.
10. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE "SERIES E" PER PLATES A11-7 AND A11-10.
11. DO NOT SCALE.

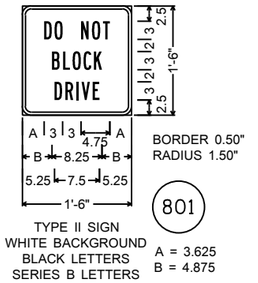
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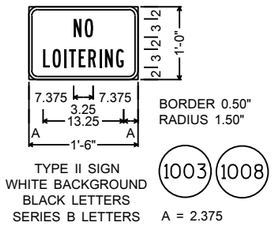
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WISDOT/CADDS SHEET

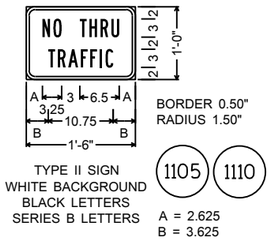


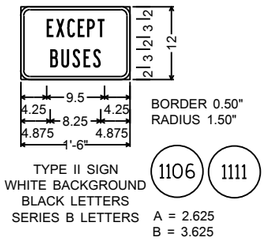


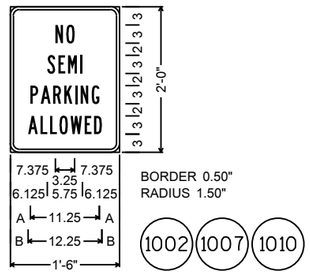






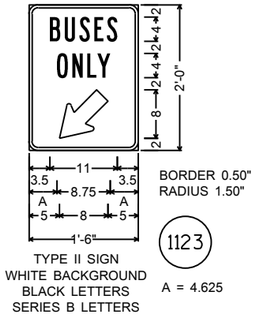


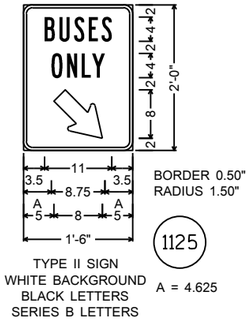


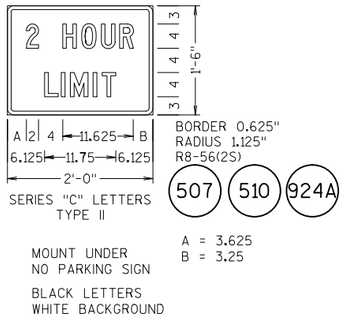


GENERAL NOTES:

1. DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.
2. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET ARE "SIGNS, TYPE II".
3. UNLESS OTHERWISE NOTED, TYPE II SIGNS ON THIS SHEET SHALL HAVE "TYPE H REFLECTIVE SHEETING" AND "TYPE H MESSAGE MATERIAL". TYPE I SIGNS SHALL HAVE "TYPE SH REFLECTIVE SHEETING".
4. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE A GREEN BACKGROUND AND WHITE MESSAGE.
5. TYPE II SIGNS ALL UPPERCASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E". ALL LOWERCASE MESSAGE WITH AN INITIAL UPPERCASE LETTER SHALL BE "SERIES E".
6. TYPE I SIGNS ALL UPPERCASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E MODIFIED". ALL LOWER CASE MESSAGE WITH AN INITIAL UPPERCASE LETTER SHALL BE "SERIES E MODIFIED". ALL CAP WORDS ARE "SERIES E".
7. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE "TYPE A" OR "TYPE C" ARROWS AS SHOWN. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS.
8. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.
9. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.
10. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE "SERIES E" PER PLATES A11-7 AND A11-10.
11. DO NOT SCALE.







BORDER 0.625"
RADIUS 1.125"
R8-56(2S)

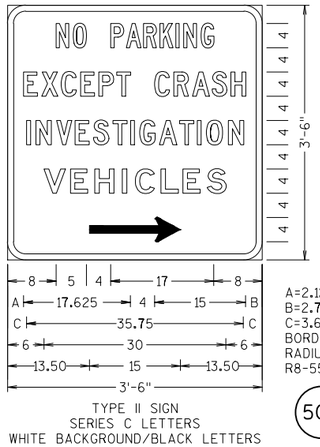
507 510 924A

SERIES "C" LETTERS
TYPE II

A = 3.625
B = 3.25

MOUNT UNDER
NO PARKING SIGN

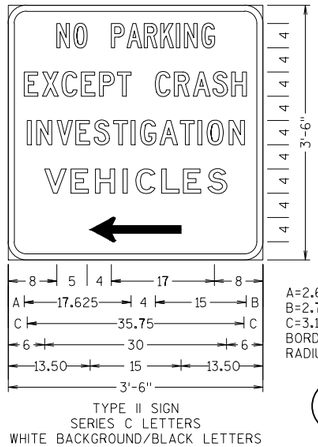
BLACK LETTERS
WHITE BACKGROUND



A=2.125
B=2.75
C=3.625
BORDER 0.083"
RADIUS 0.25"
R8-55R(MOD)

506 924

TYPE II SIGN
SERIES C LETTERS
WHITE BACKGROUND/BLACK LETTERS

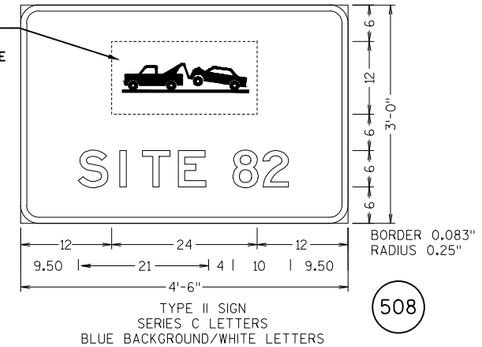


A=2.625
B=2.75
C=3.125
BORDER 0.083"
RADIUS 0.25"

509 906

TYPE II SIGN
SERIES C LETTERS
WHITE BACKGROUND/BLACK LETTERS

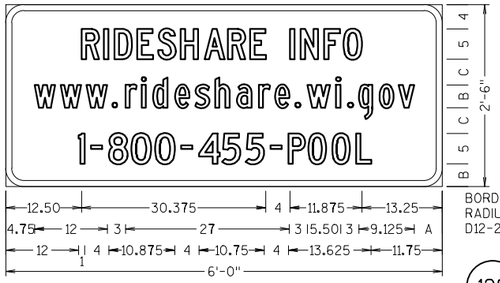
SEE DETAIL "B"
BACKGROUND - BLUE
SYMBOL - WHITE



BORDER 0.083"
RADIUS 0.25"

508

TYPE II SIGN
SERIES C LETTERS
BLUE BACKGROUND/WHITE LETTERS



BORDER 0.083"
RADIUS 0.25"
D12-2A(MOD)

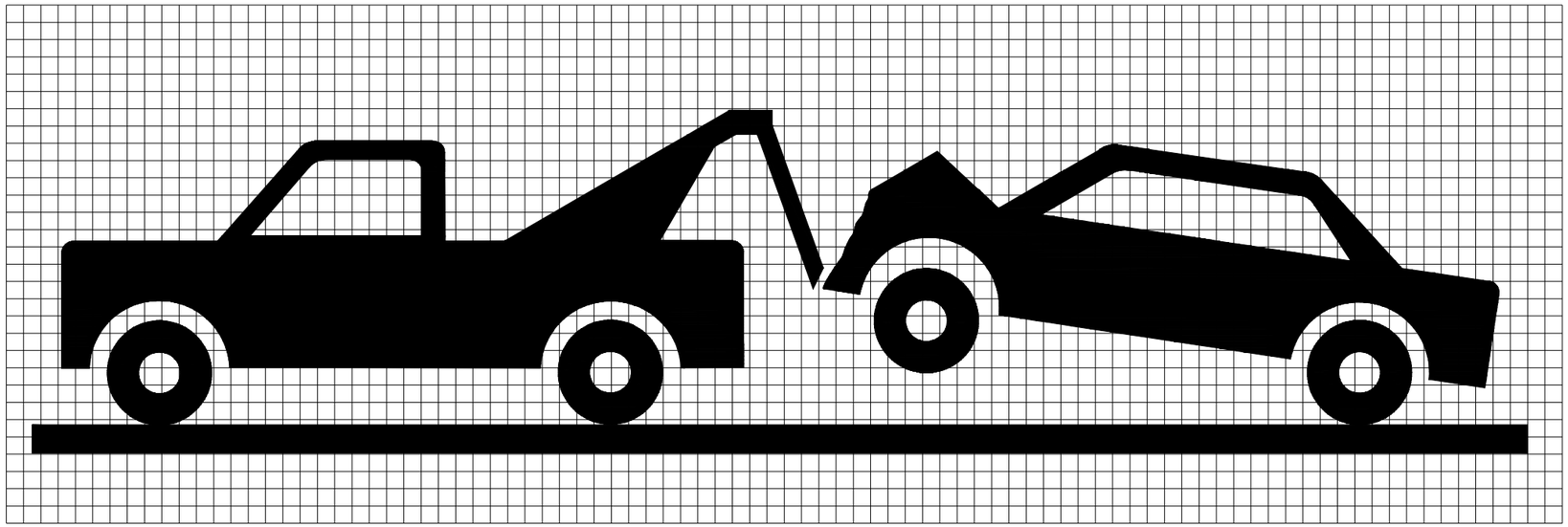
TYPE II SIGN
SERIES C LETTERS
BLUE BACKGROUND/WHITE LETTERS

128 201 305
432 505 610
701 802 909
1009 1103

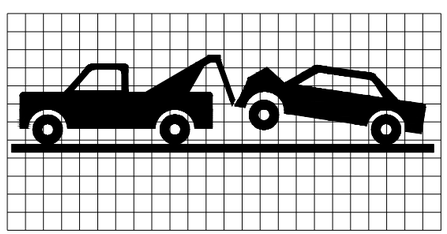
A = 4.625
B = 3.75
C = 4.25

GENERAL NOTES:

1. DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.
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8. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.
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10. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE "SERIES E" PER PLATES A11-7 AND A11-10.
11. DO NOT SCALE.



DETAIL "A"

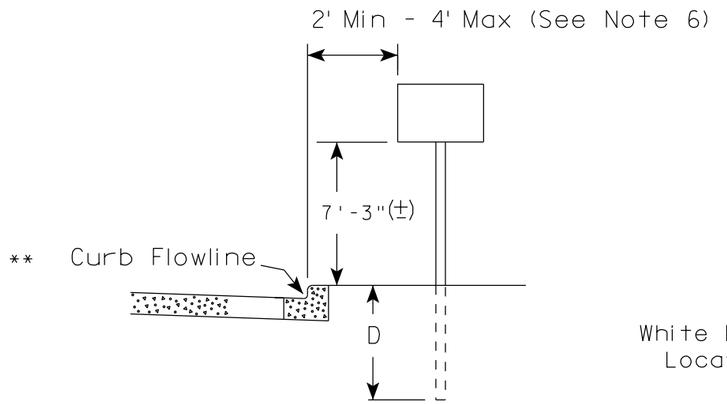


DETAIL "B"

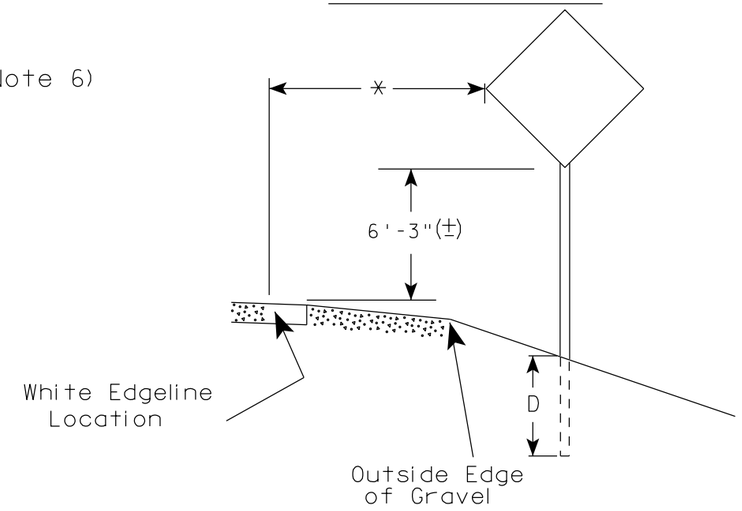
PROJECT NO: 1000-04-70	HWY: VARIOUS	COUNTY: VARIOUS	SIGN DETAIL - TYPE I & II	SHEET 267	E

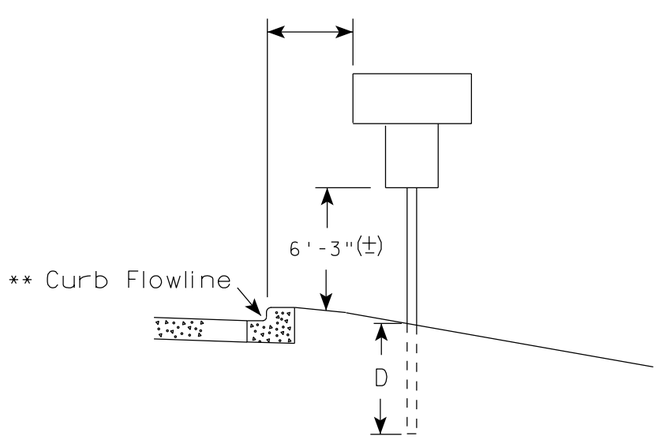
FILE NAME : N:\PDS\C3D\CAD\10000400\PERMANENT SIGNING\070101_MS.DWG
LAYOUT NAME - 070105_MS
PLOT DATE : 5/18/2016 12:54 PM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET

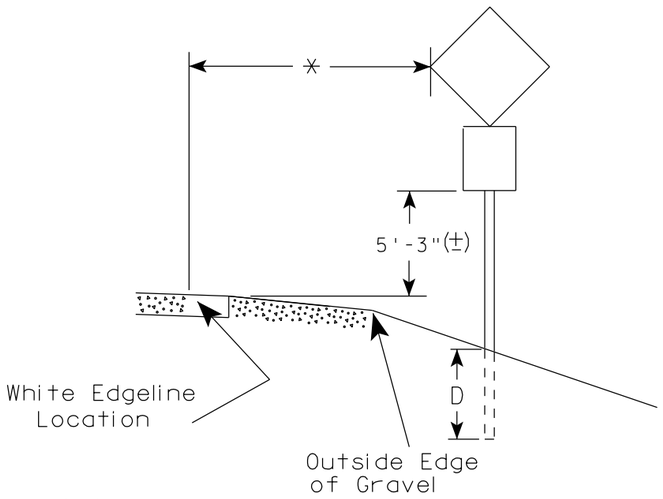
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).

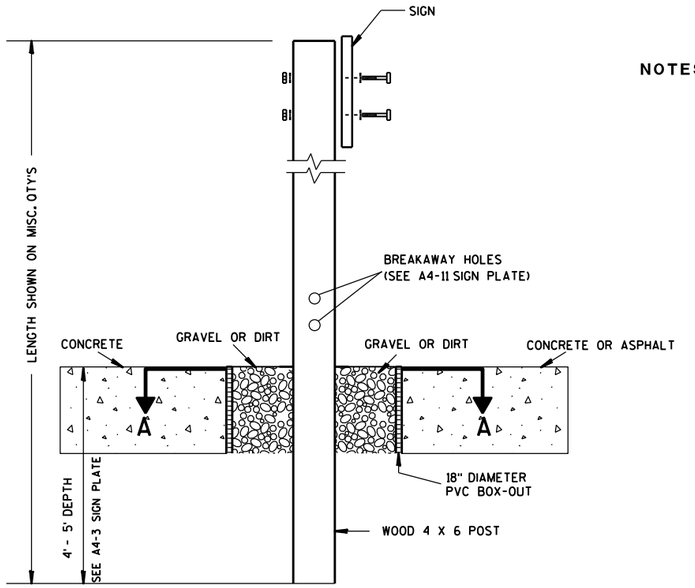
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-3.20

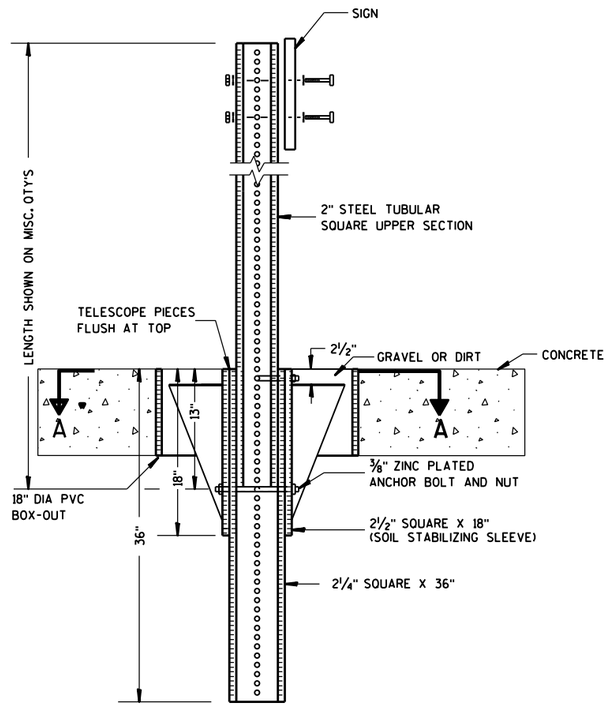
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



ELEVATION VIEW

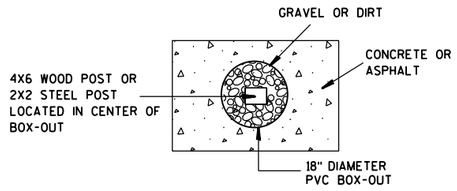
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

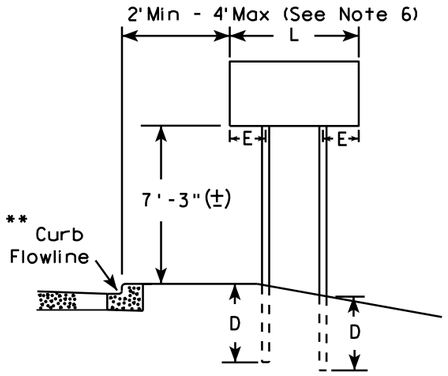
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

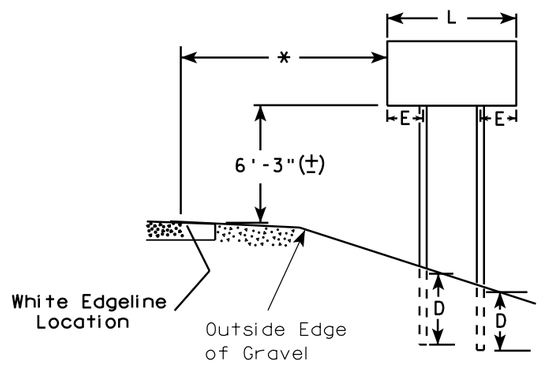
DATE 1/27/14 PLATE NO. A4-3B.1

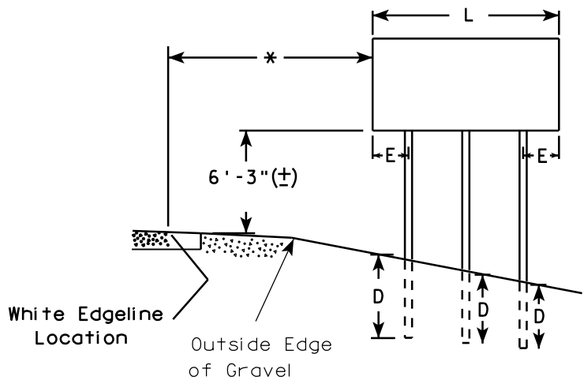
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

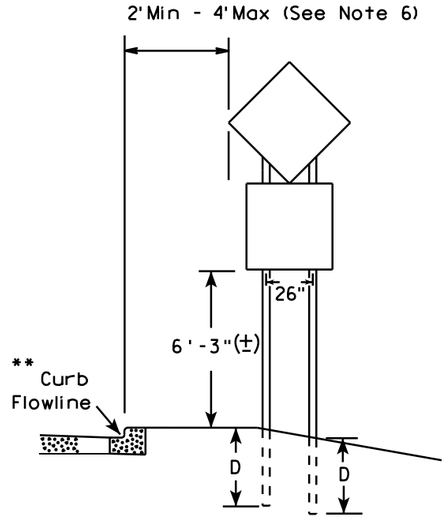
URBAN AREA



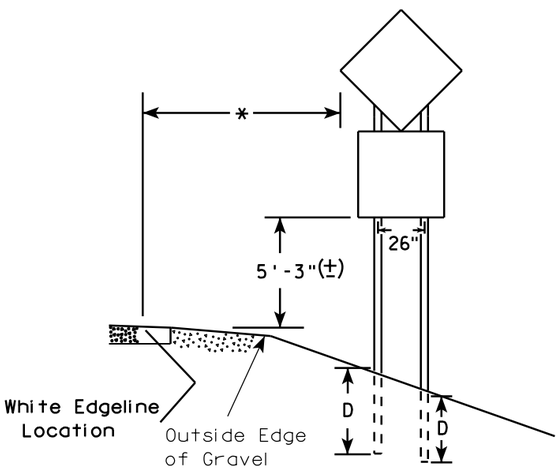
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
Greater than 48" Less than 60"	12"
60" to 120"	L/5

***

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" and greater	12"

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

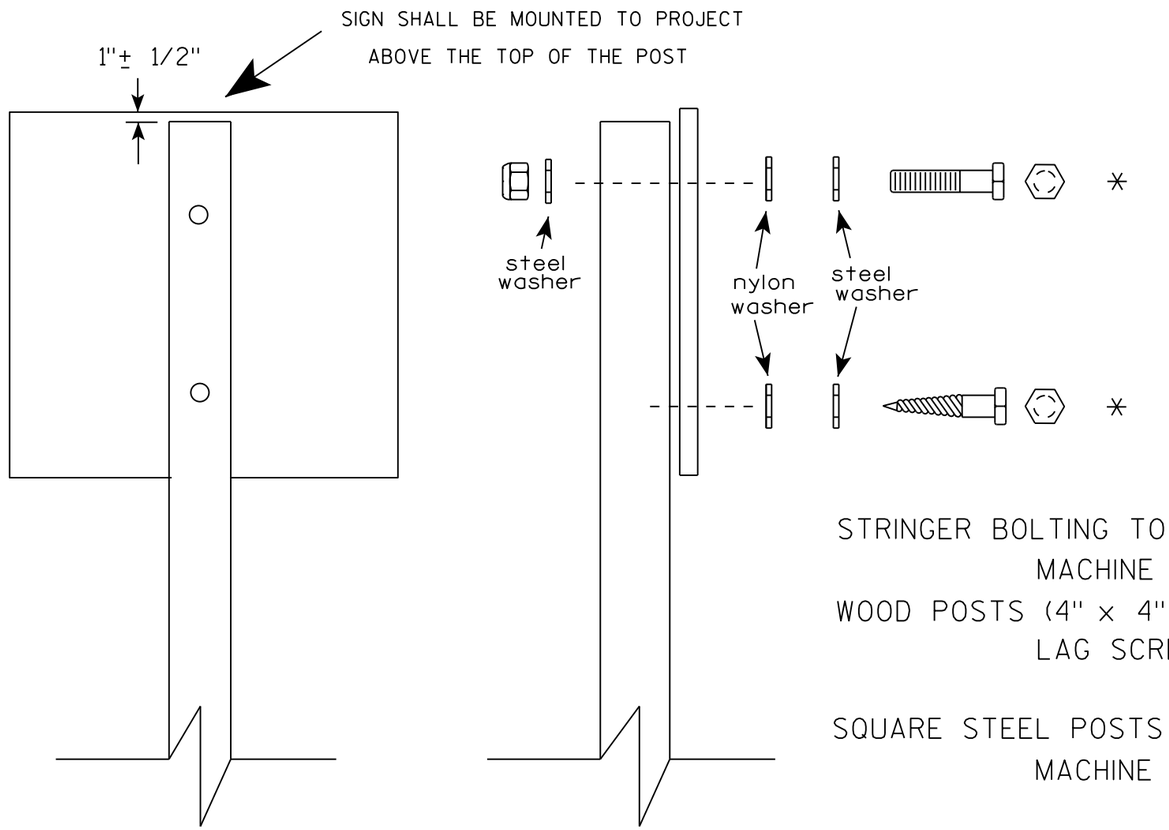
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-4 270 14

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A44.DGN PLOT DATE : 23-JUL-2015 15:23 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 107.021305:1.000000

WISDOT/CADDS SHEET 42



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/11/16 PLATE NO. A4-8.8

7

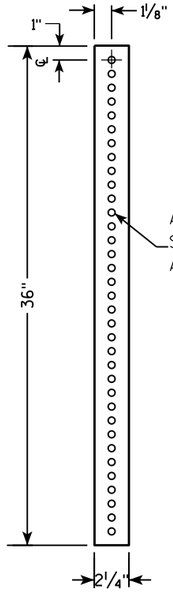
PROJECT NO:

SHEET NO: E

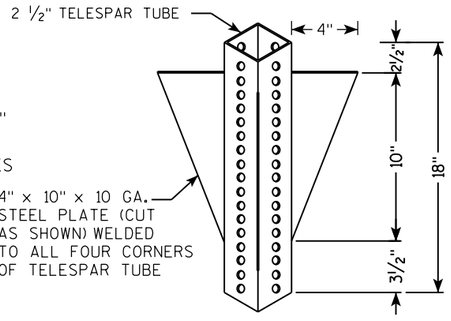
FILE NAME : C:\CADfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

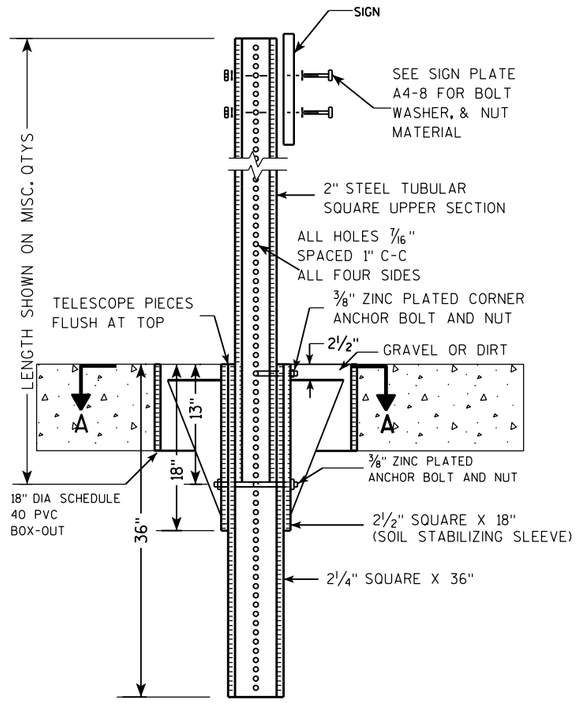
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



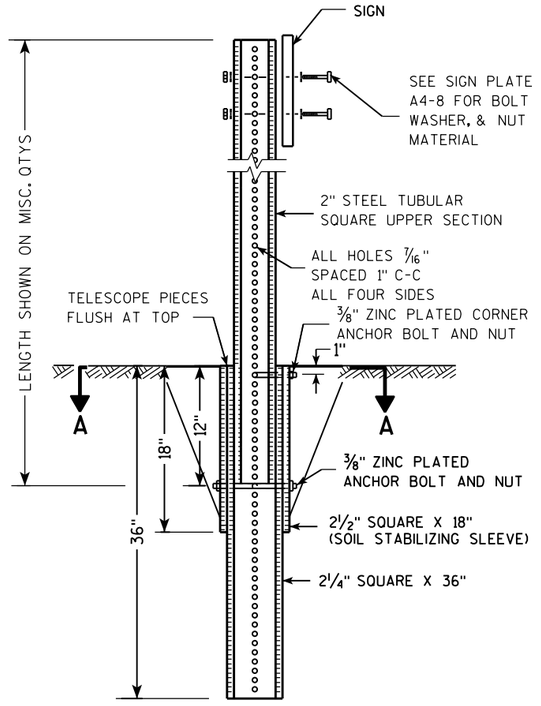
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

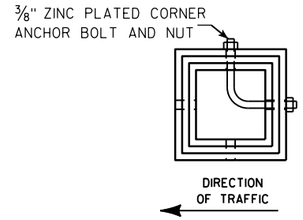


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

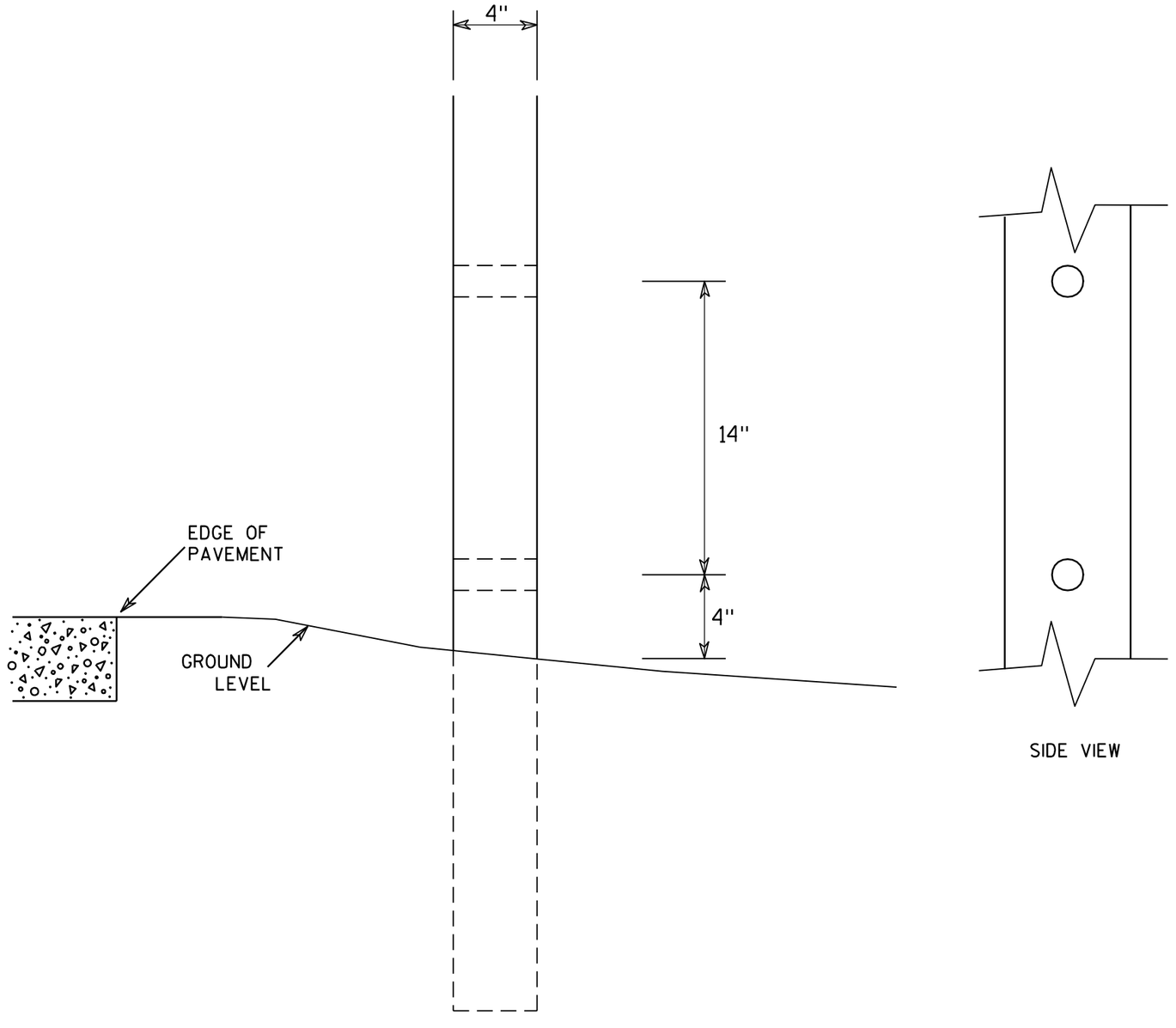
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 272 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

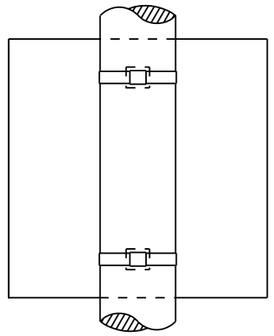
APPROVED Chester J Spang
for State Traffic Engineer

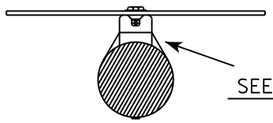
DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 273	E

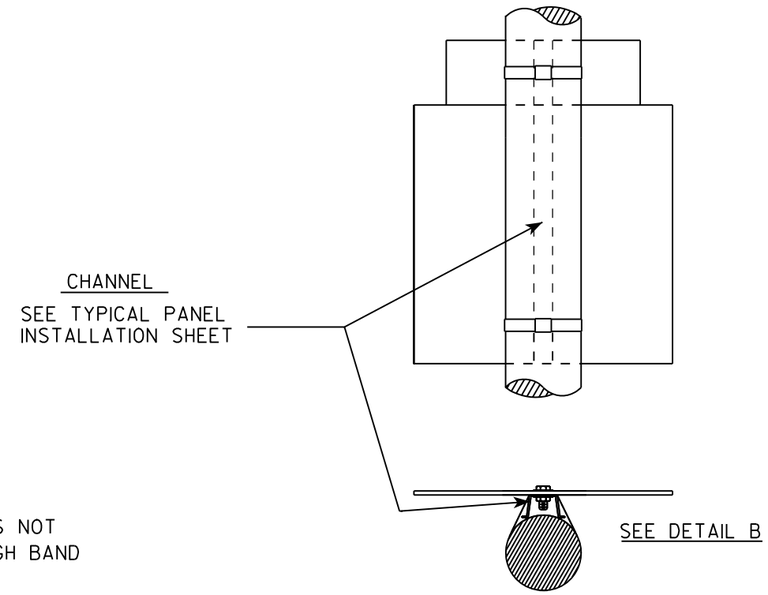
BANDING

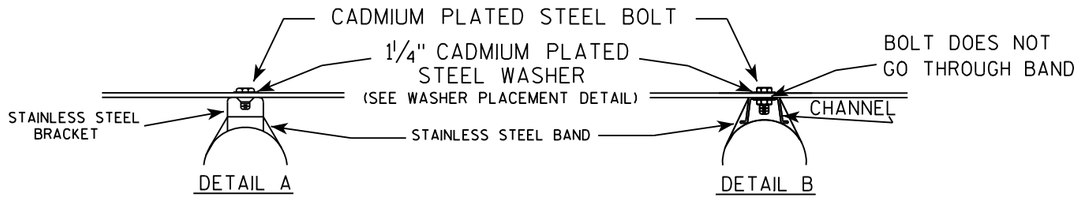
SINGLE SIGN



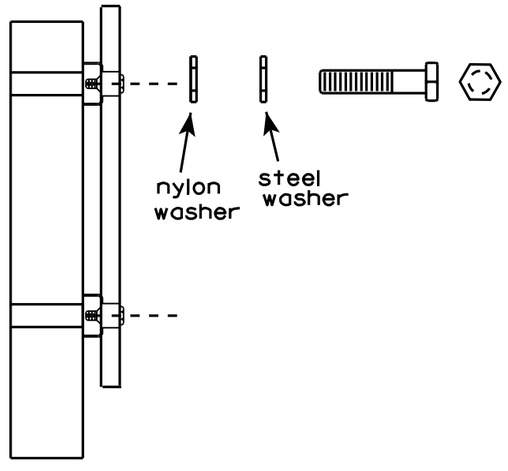


"J" ASSEMBLY





WASHER PLACEMENT



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

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be 3/4" in width and 0.025" thickness.

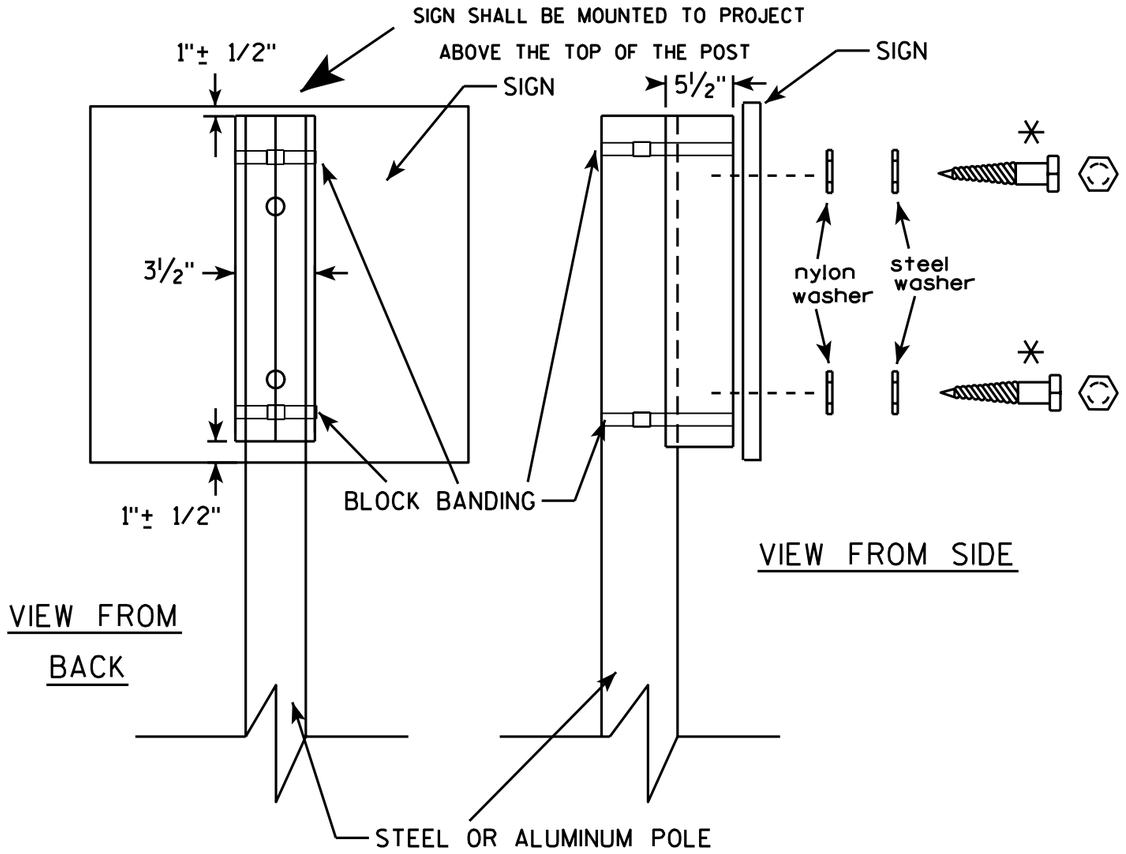
STANDARD SIGN
SIGN BANDING DETAILS

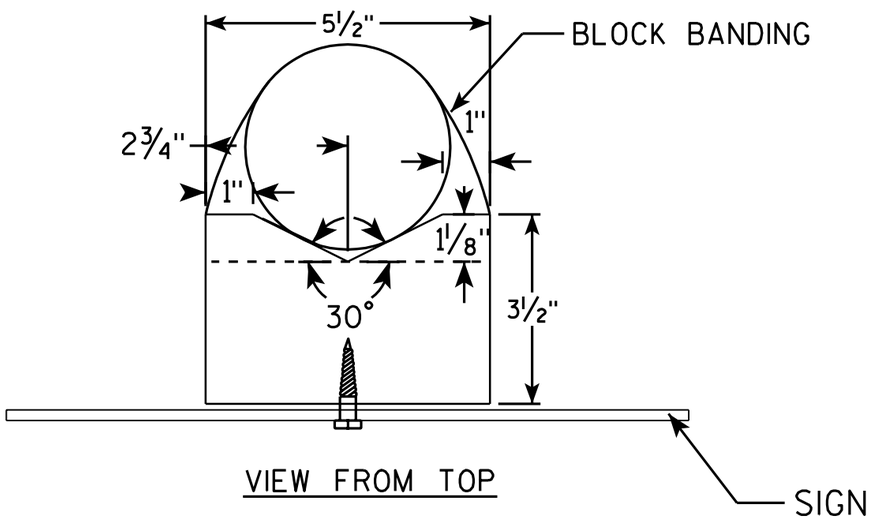
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/16/13 PLATE NO. A5-9.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 274	E





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
   b. Cadmium plated in accordance with ASTM Designation : B 766 TYPE 3, Class 12, or
   c. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

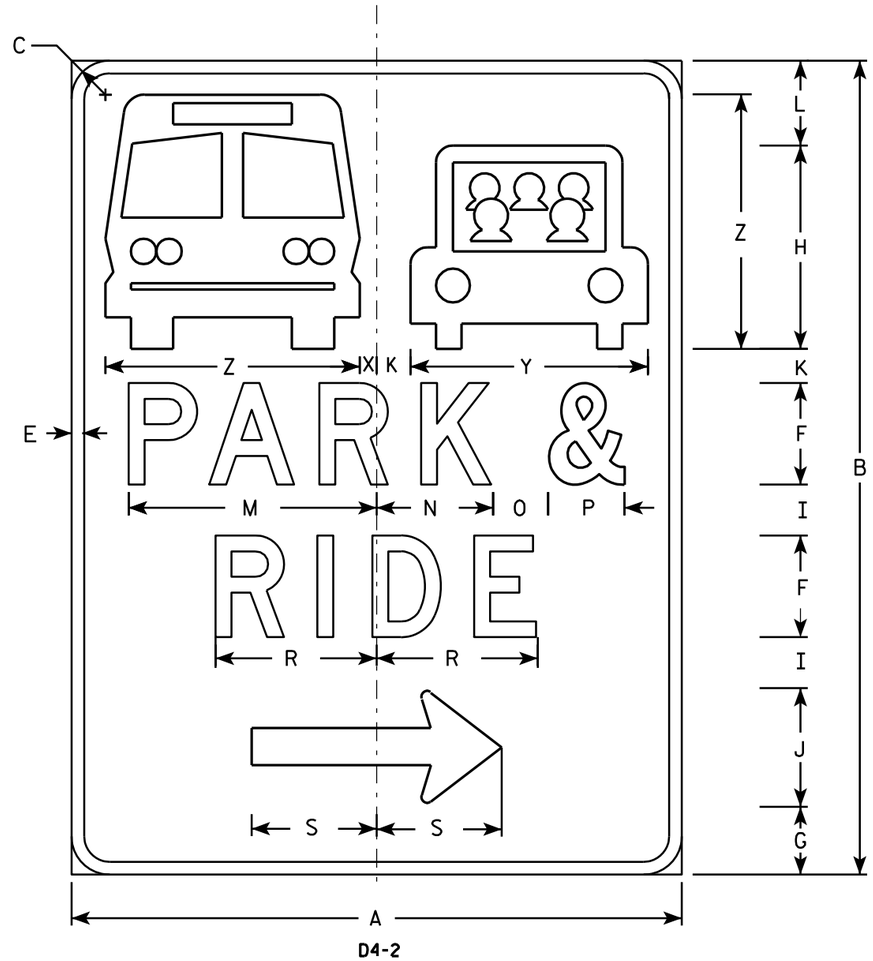
DATE 7/12/07 PLATE NO. A5-10.1

PROJECT NO:

SHEET NO: 275 E

FILE NAME : C:\Users\Projects\tr_stdplate\A510.dgn PLOT DATE : 06-AUG-2007 13:37 PLOT BY : ditjph

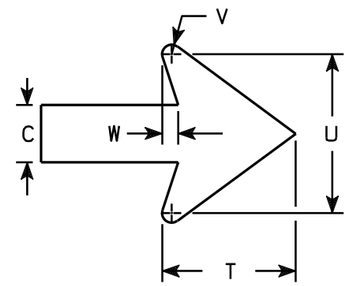
WISDOT/CADDS SHEET 42



D4-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The D4-2L is the same as a D4-2R except the arrow is reversed.
6. The D4-2 sign may have either symbol or both symbols at the same time.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	30	1 1/8		1/2	4	1 5/8	7 1/2	1 1/2	4 5/8	1 3/8	3 7/8	9 3/4	4	2 3/4	3		6 3/8	4 7/8	3 1/2	4 1/8	1/4	3/8	5/8	9 3/8	10	5.0
2	30	36	1 3/8		5/8	5	2	9	1 5/8	5 1/2	1 5/8	4 5/8	12 1/4	5 1/8	3 3/8	3 3/4		8	6 1/8	4 3/8	5 1/4	3/8	1/2	7/8	11 3/4	12 1/2	7.50
3	36	48	2 1/4		3/4	6	4	12	3	7	2	5	14 5/8	6 7/8	3 1/4	4 1/2		9 1/2	7 1/2	5 1/4	6 1/4	3/8	5/8	1	14	15	12.0
4																											
5																											

STANDARD SIGN
D4-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/20/10 PLATE NO. D4-2.5

PROJECT NO:

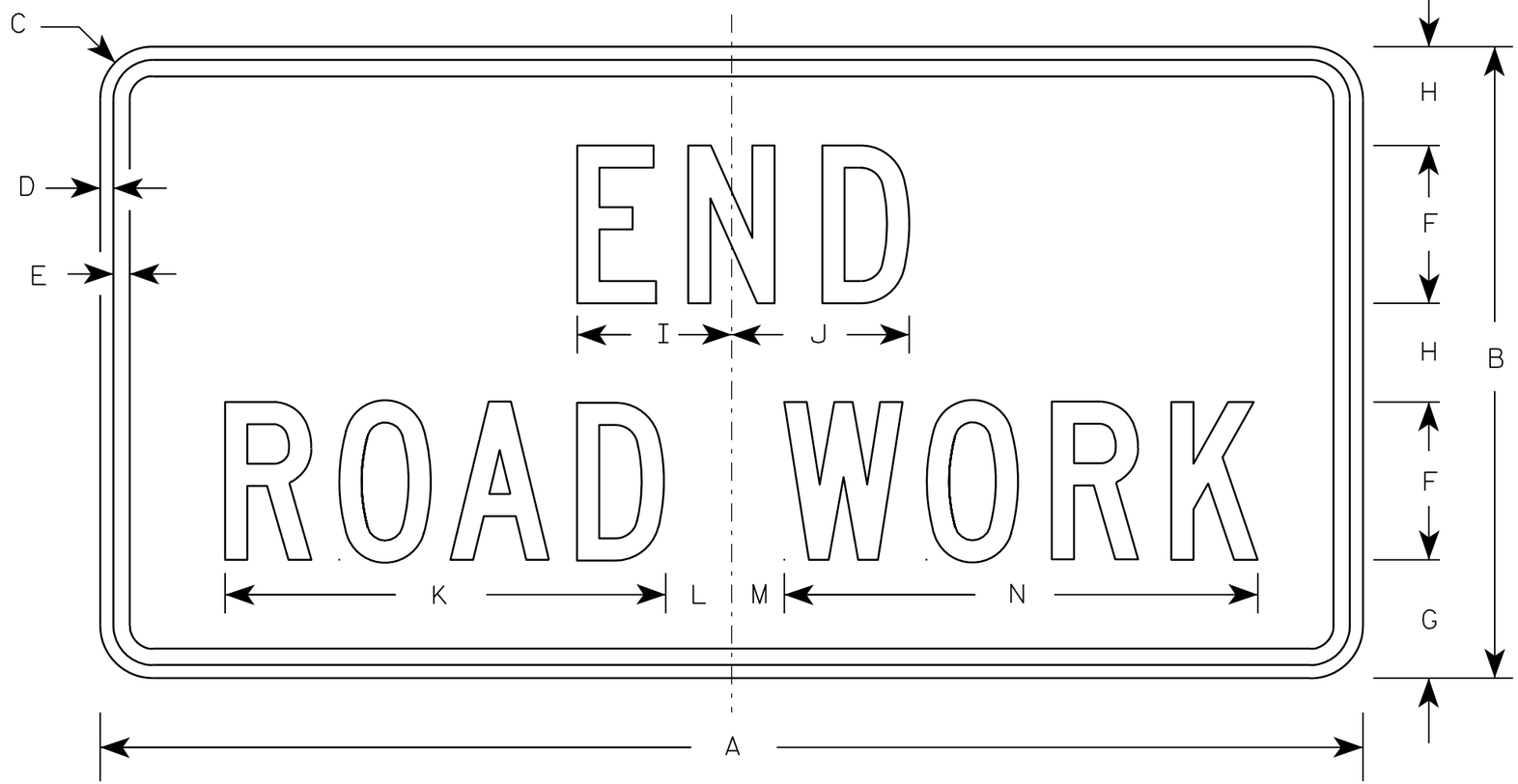
SHEET NO: 276 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\D42.dgn PLOT DATE : 10-FEB-2011 14:21 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

7

7



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

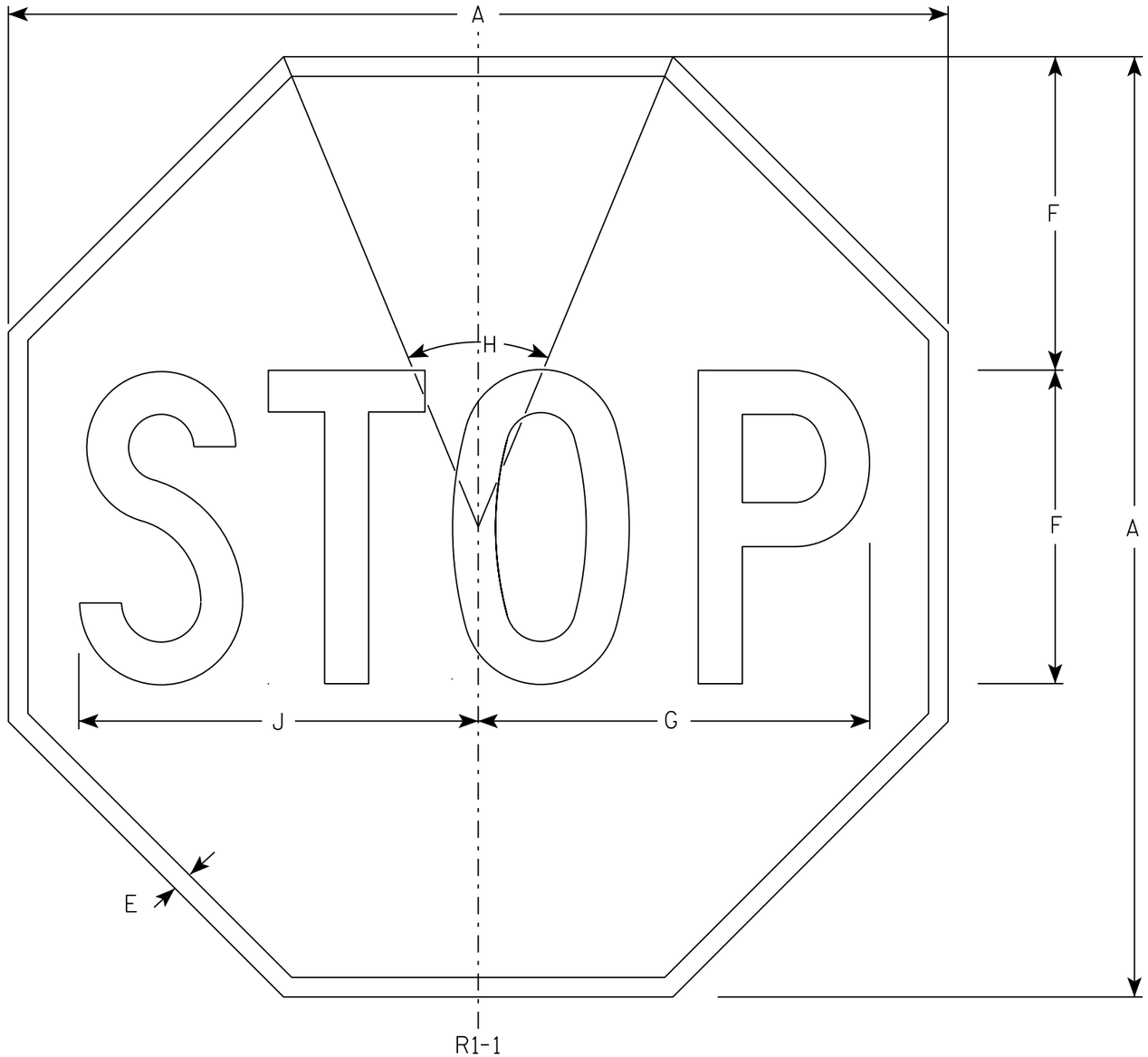
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 277	E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN
R1-1

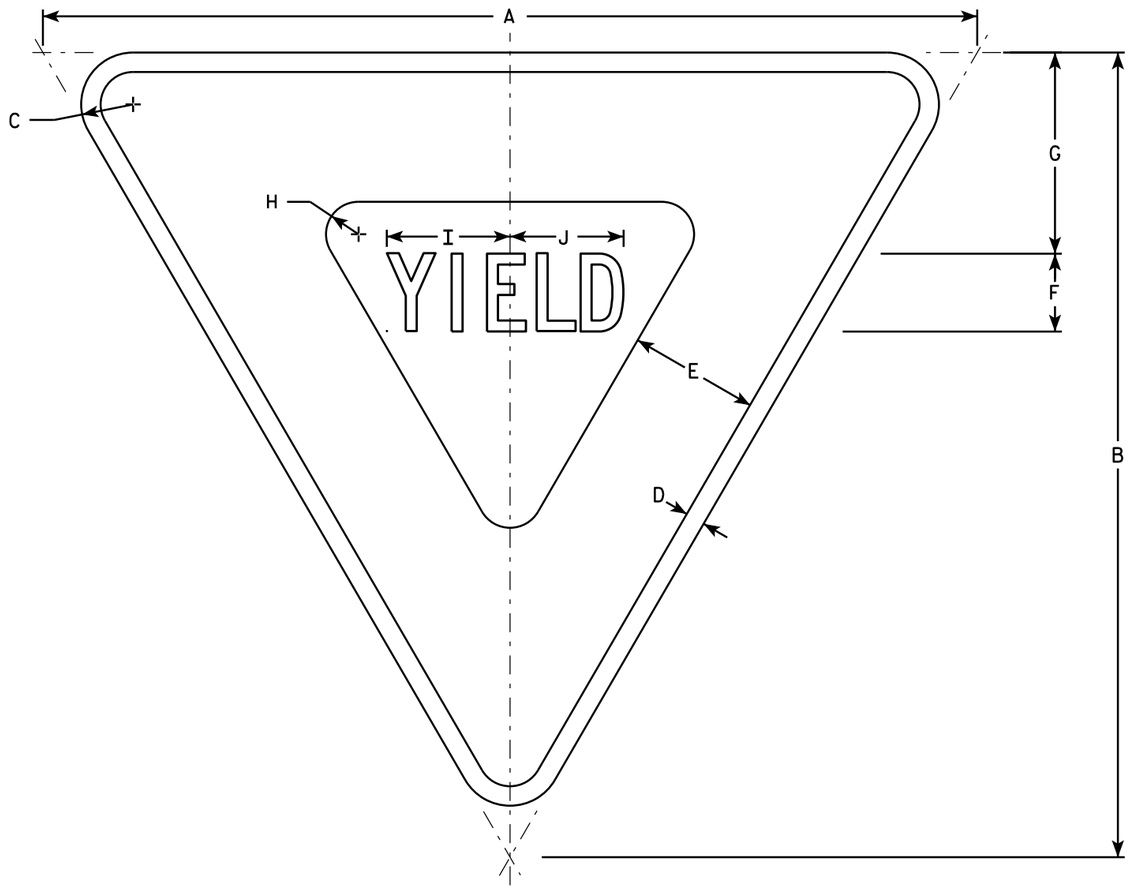
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE 278 R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R11.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.378143:1.000000



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

WISCONSIN DEPT OF TRANSPORTATION

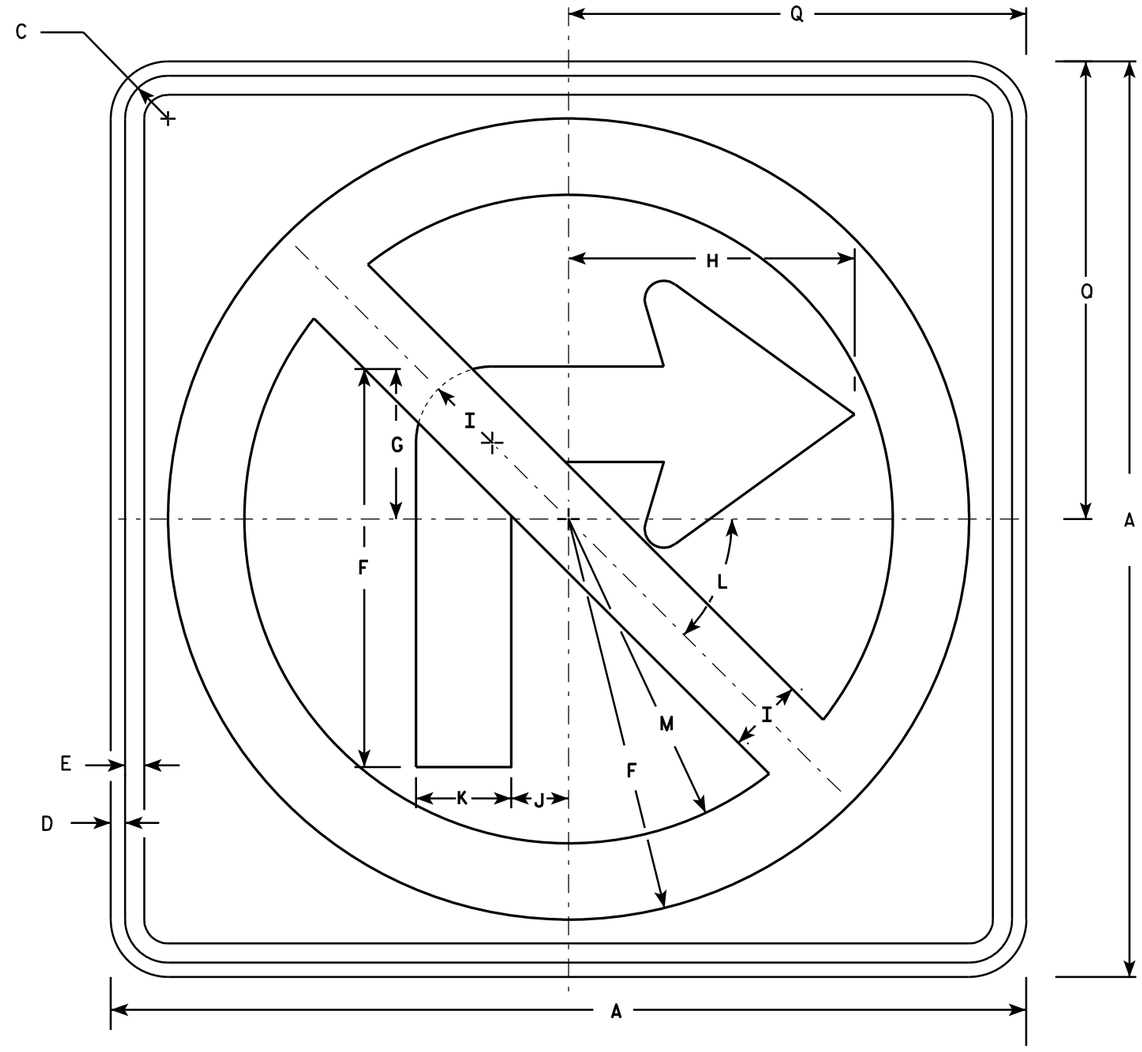
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000

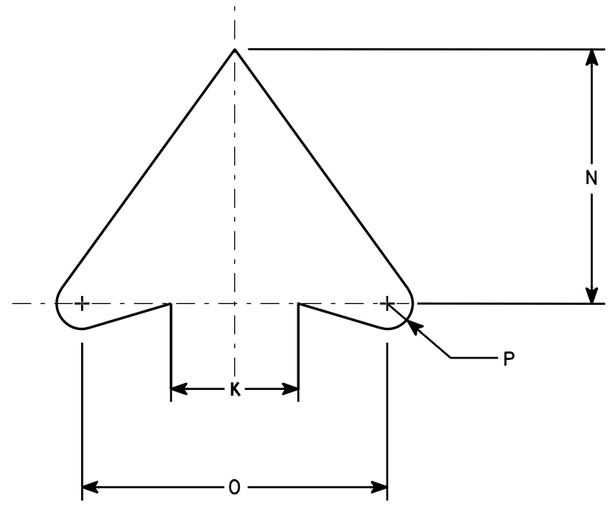
WISDOT/CADDS SHEET 42



R3-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

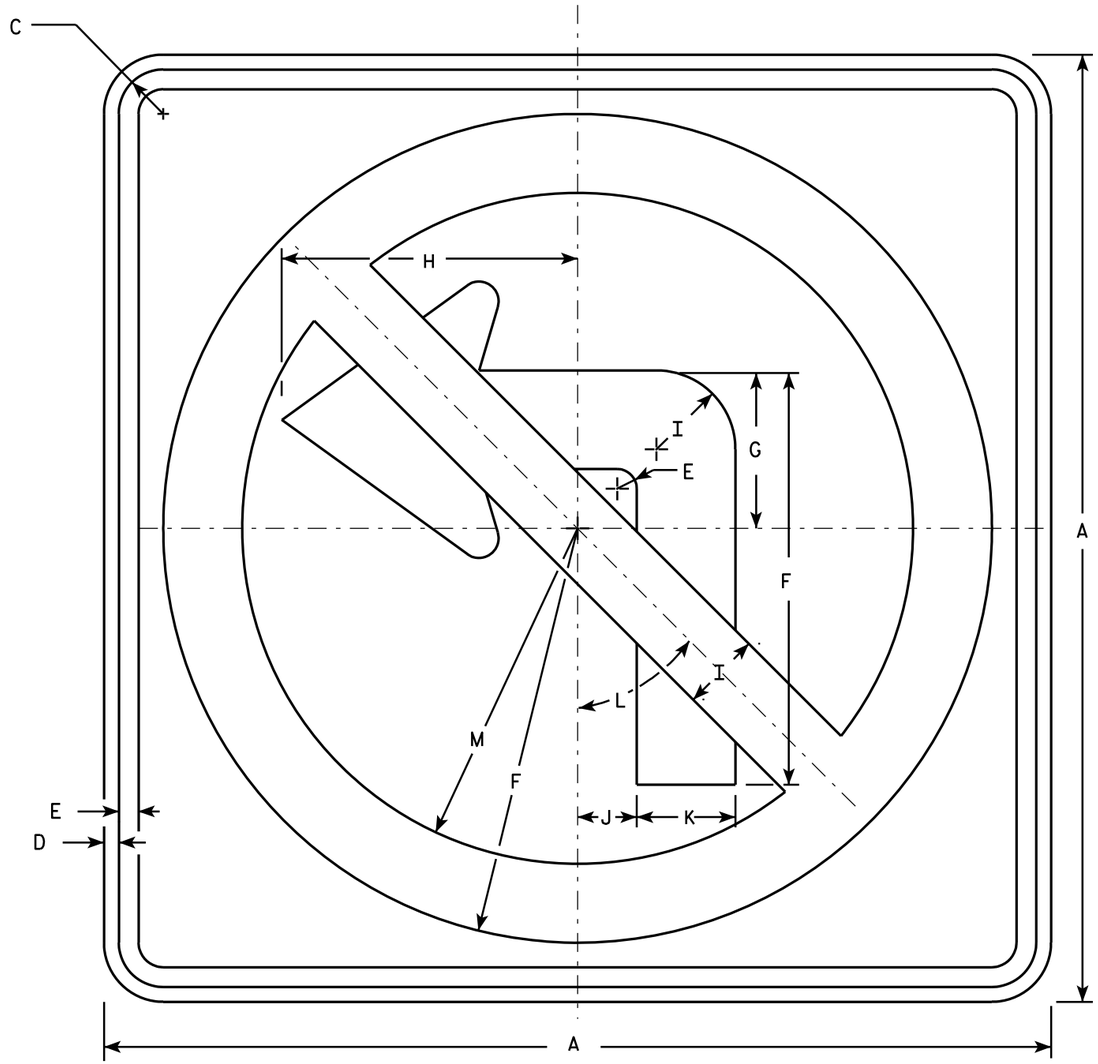
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

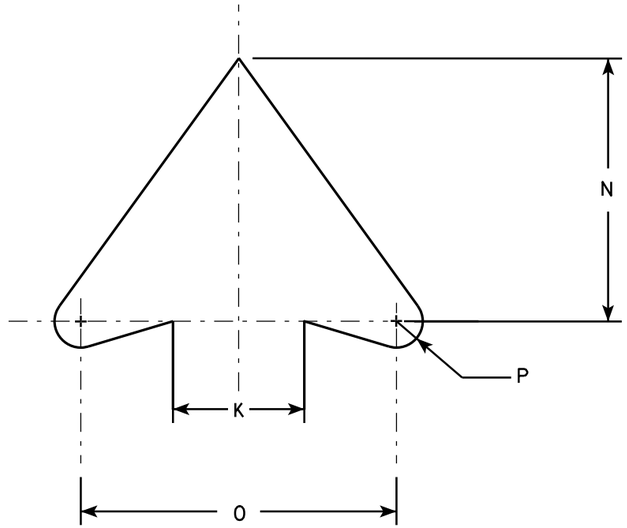
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 280	E



R3-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

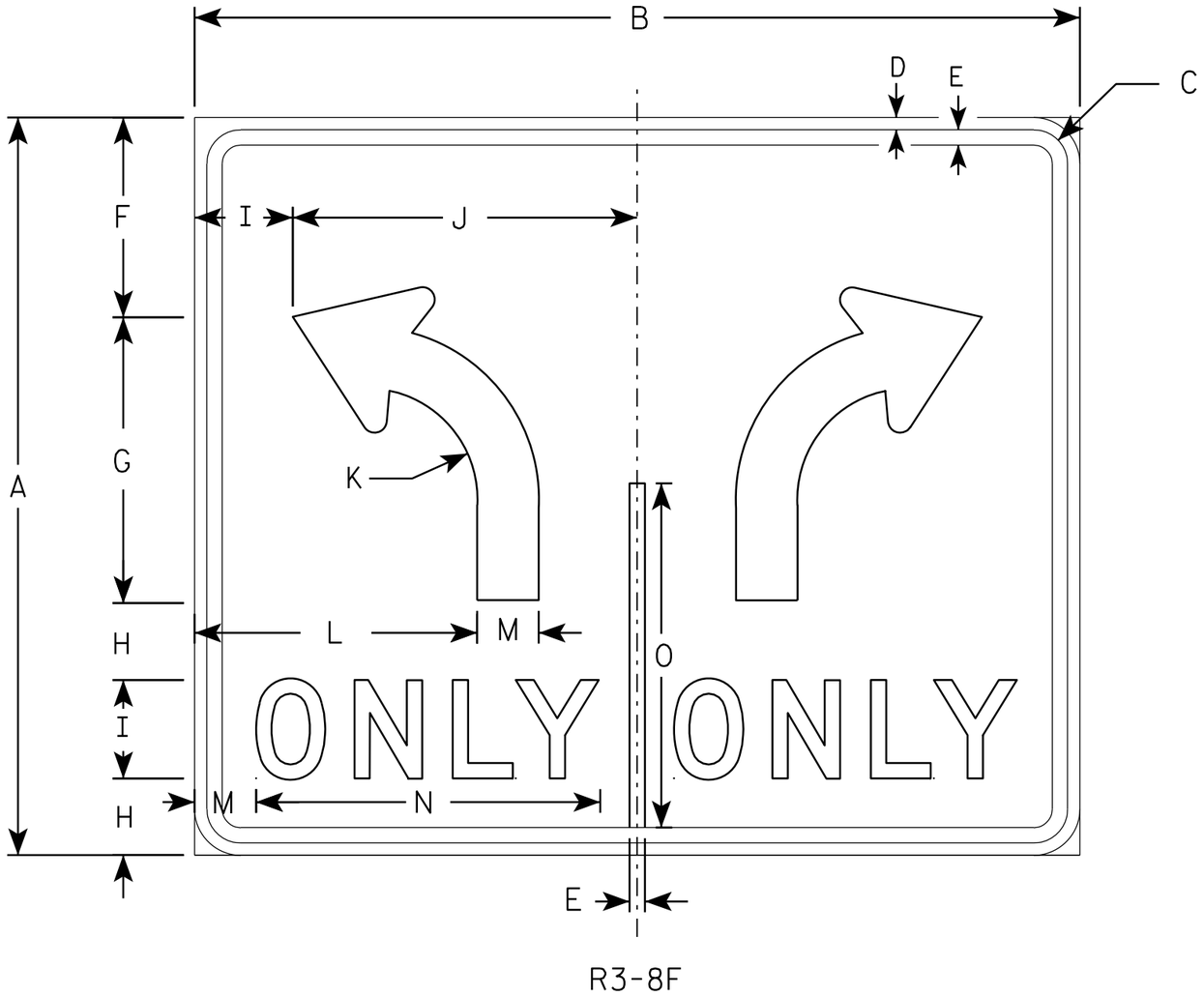
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

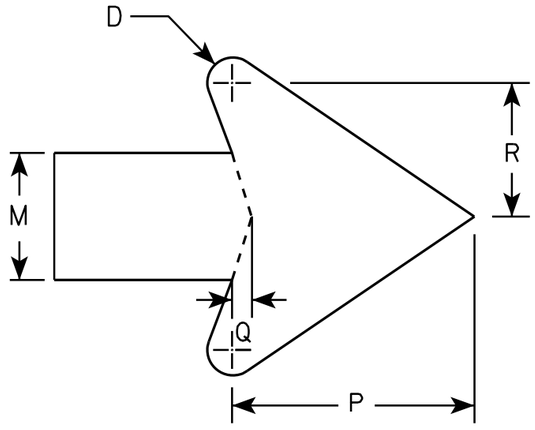
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 281	E



R3-8F

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	36	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	14	4 1/2	11 1/2	2 1/2	14	14	4 3/4	3/8	2 5/8									7.5
2M	30	36	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	14	4 1/2	11 1/2	2 1/2	14	14	4 3/4	3/8	2 5/8									7.5
3																											
4	48	54	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	21	7 1/4	17 1/4	3 3/4	20 5/8	22 3/8	7 1/8	5/8	4									18.0
5	48	54	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	21	7 1/4	17 1/4	3 3/4	20 5/8	22 3/8	7 1/8	5/8	4									18.0

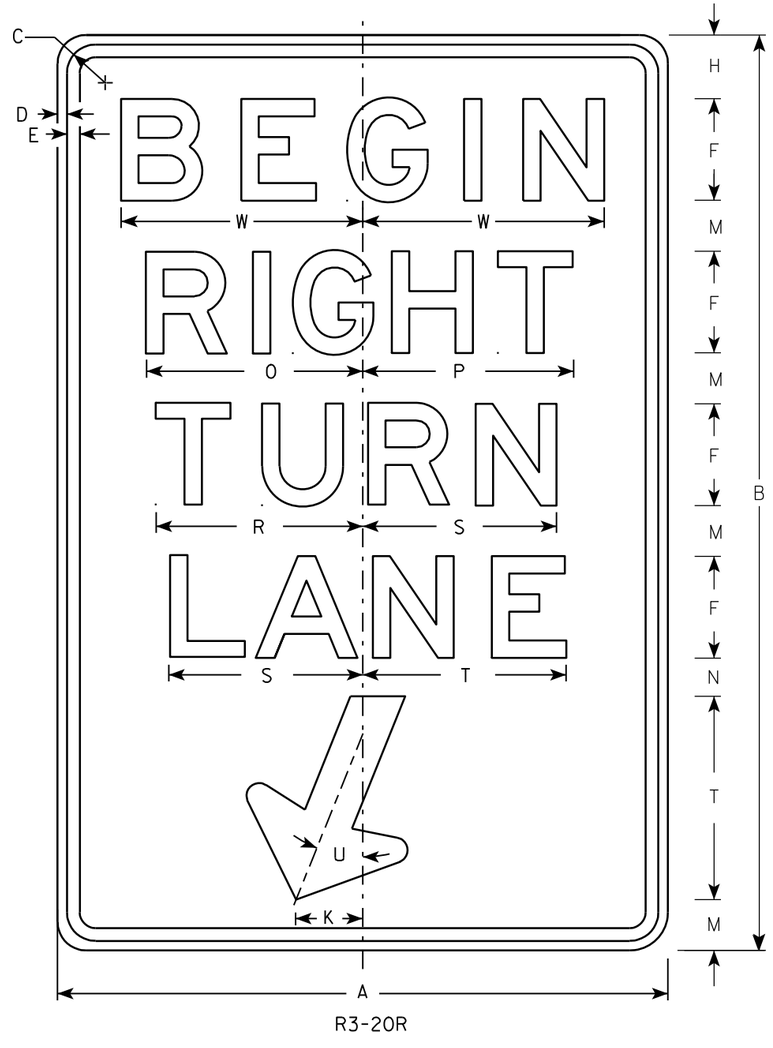
STANDARD SIGN
R3-8F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-8F.2

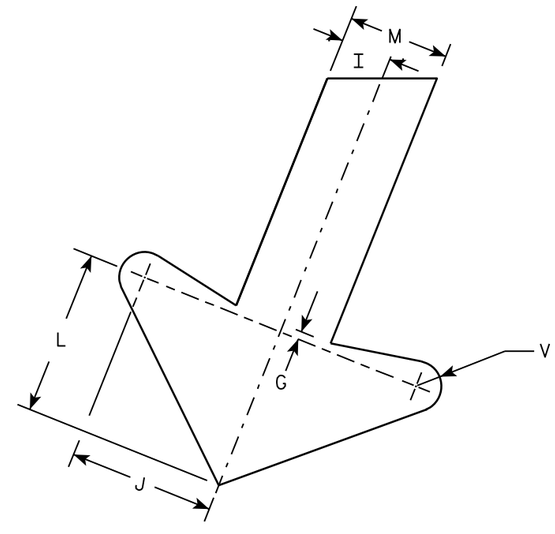
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 282 | E



R3-20R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

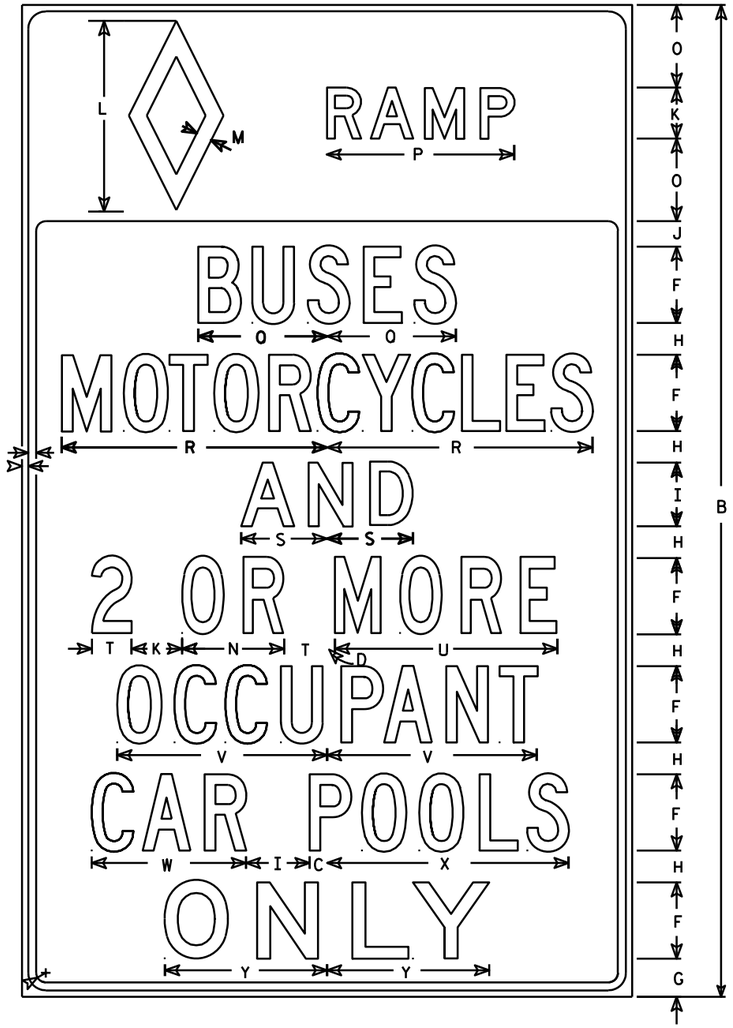
STANDARD SIGN
R3-20R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20R.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 283 | E



R3-51

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See Note 5
   Message - See Note 5
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Top symbol and legend are white Type H Reflective with Black background.
   Bottom legend is Black with White Type H Reflective background.
6. Lines 1 and 4 are Series D.
   Lines 2, 5, 6 and 7 are Series C.
   Line 3 is Series B.
   Bottom Line is Series E.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	78	1 3/8	5/8	1/2	6	3	2 1/2	5	2	4	15	1 1/4	8	6 1/2	14 3/4	10 1/8	20 7/8	6 3/4	3 1/8	17 1/2	16 1/2	12 1/8	19	12 3/4	3 3/4	26.0
2M	48	78	1 3/8	5/8	1/2	6	3	2 1/2	5	2	4	15	1 1/4	8	6 1/2	14 3/4	10 1/8	20 7/8	6 3/4	3 1/8	17 1/2	16 1/2	12 1/8	19	12 3/4	3 3/4	26.0
3																											
4																											
5																											

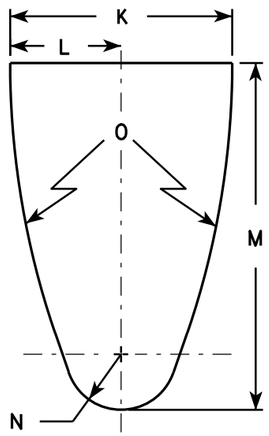
STANDARD SIGN
R3-51

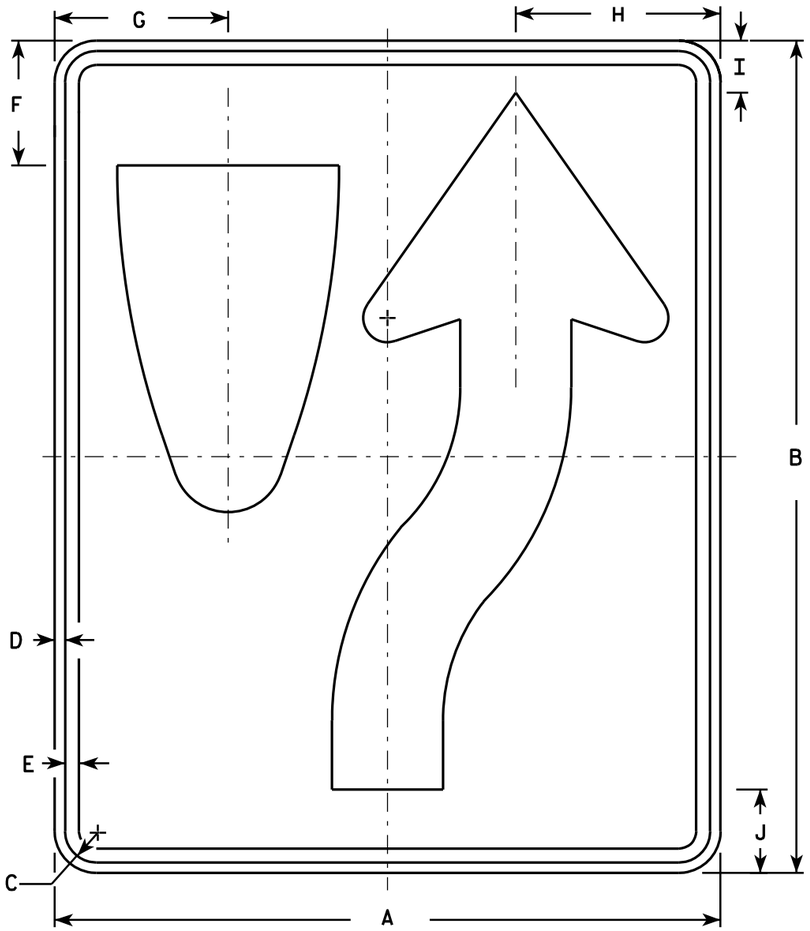
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-51.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 284

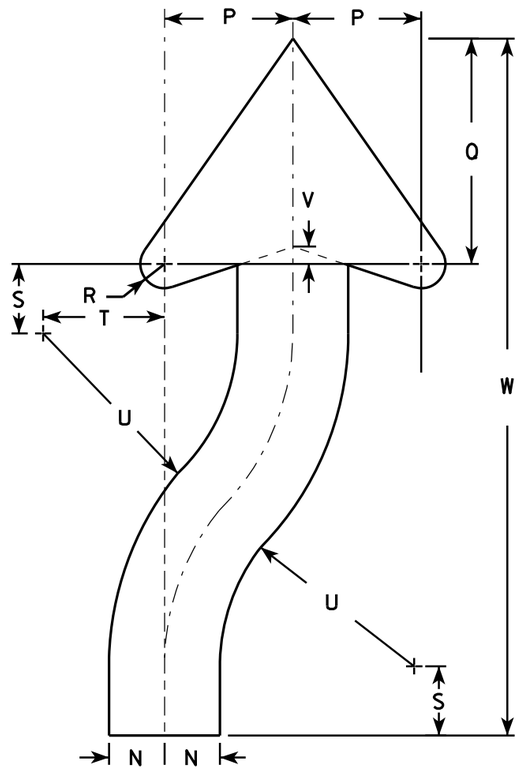




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

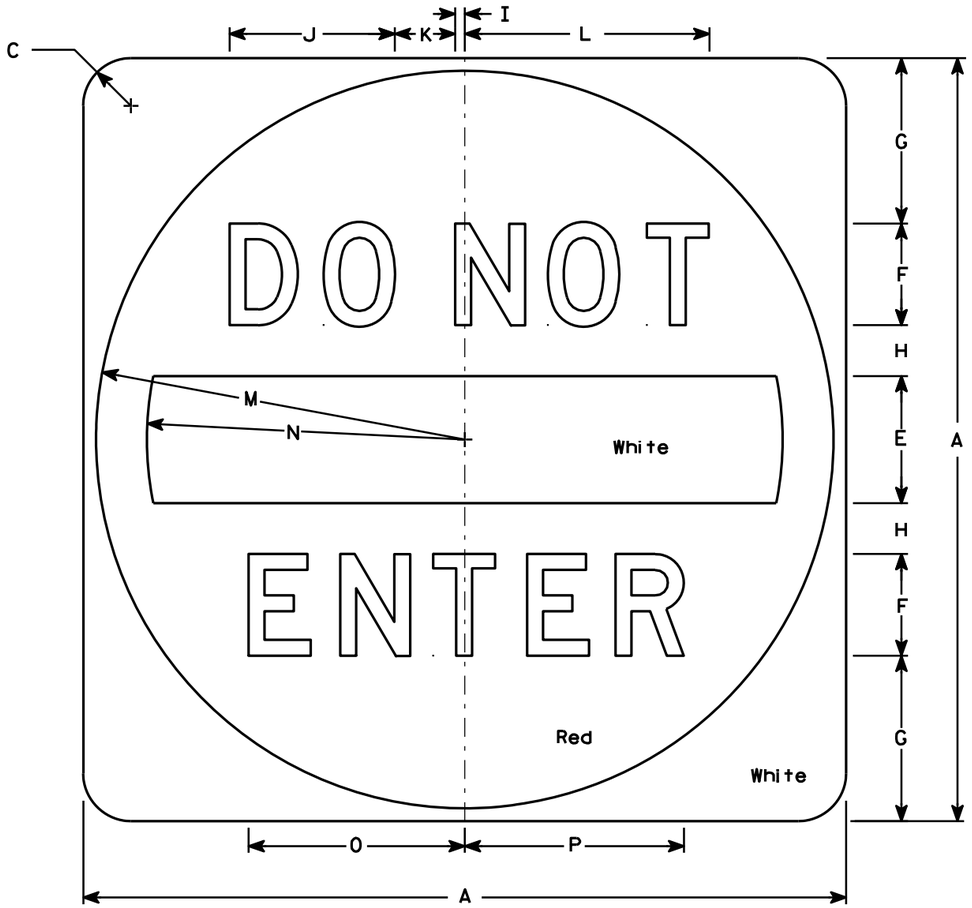
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 285	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See detail
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.26
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

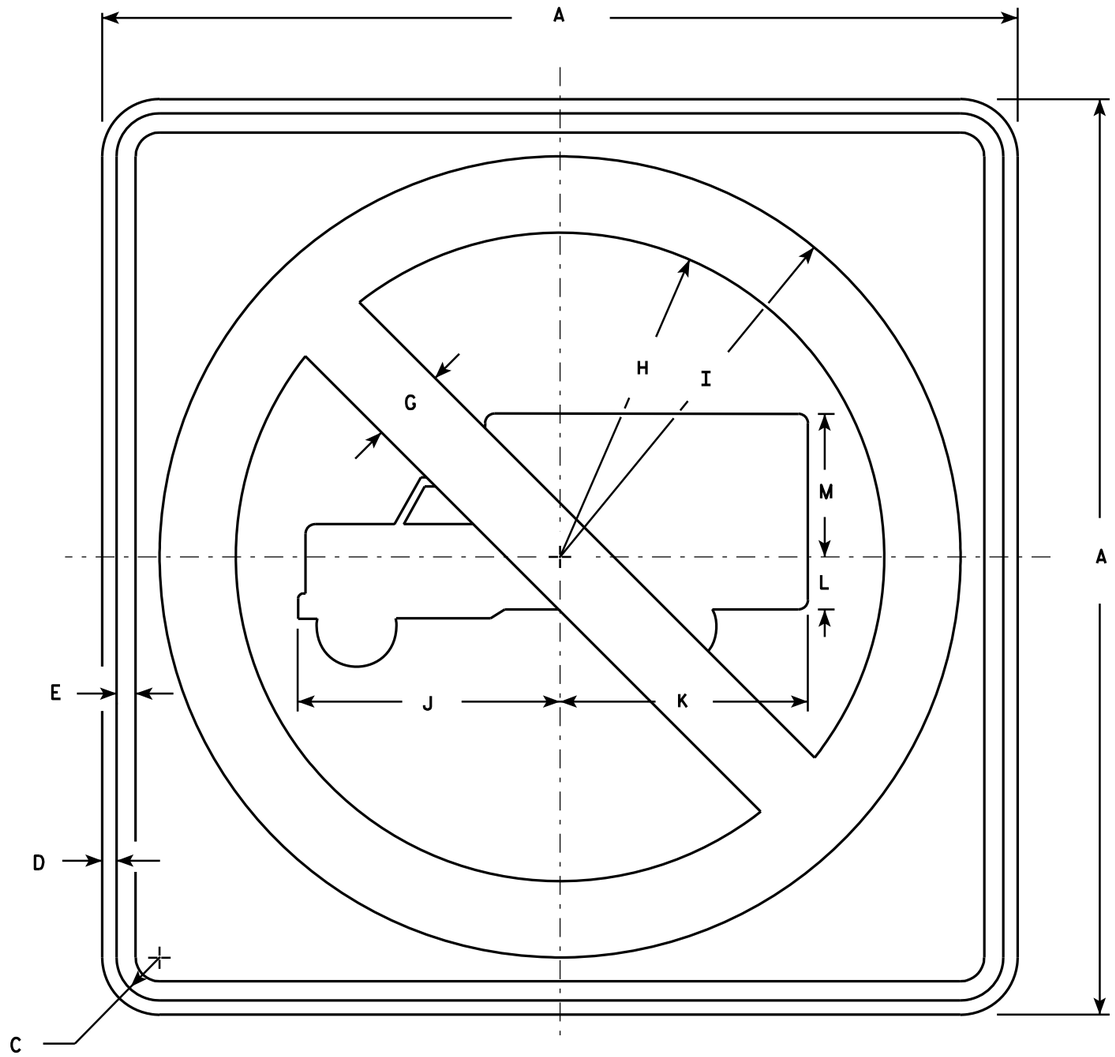
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 286 | E



R5-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Circle & Diagonal - Reflective red.
   Truck Symbol & Border - Non-reflective black.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
2M	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
3	30		1 3/8	1/2	5/8		2 1/2	10 5/8	13 1/8	8 1/2	8 1/8	1 5/8	4 3/4														6.25
4	36		1 5/8	5/8	3/4		3	12 3/4	15 3/4	10 1/4	9 3/4	2	5 3/4														9.0
5	48		2 1/4	3/4	1		4	17	21	13 5/8	13	2 5/8	7 5/8														16.0

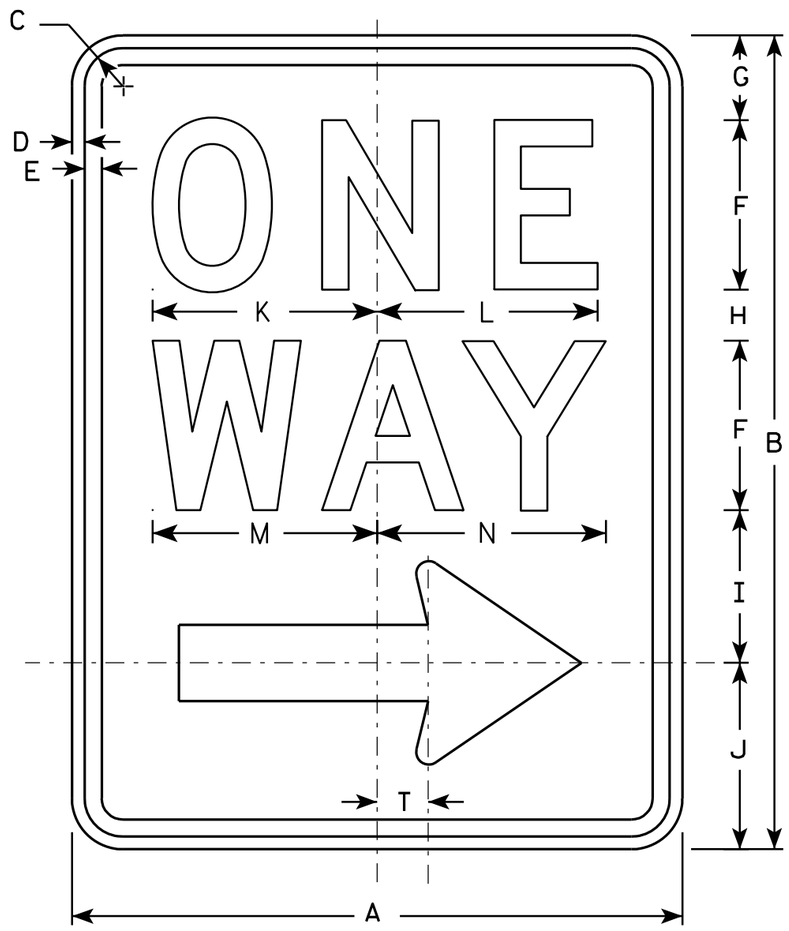
STANDARD SIGN
R5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-2.6

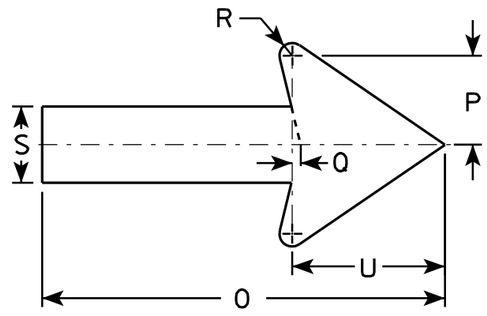
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 287	E



R6-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

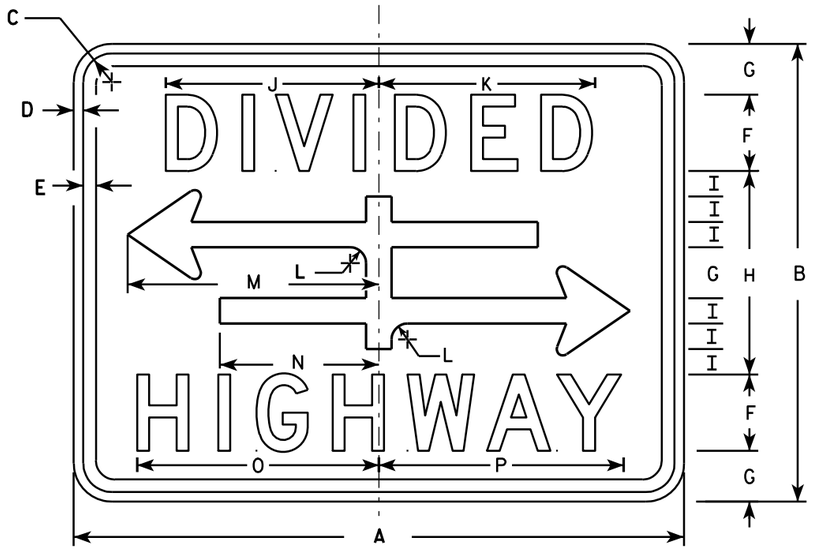
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

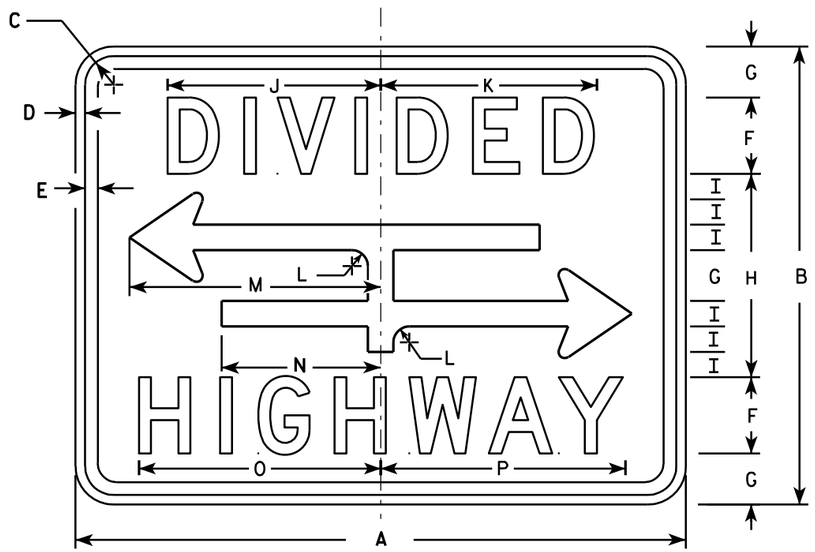
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 288	E



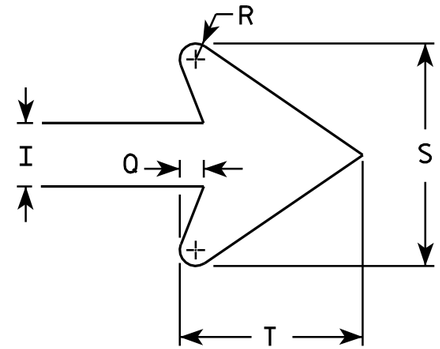
R6-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-3A



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	18	1 1/8	3/8	3/8	3	2	8	1	8 3/8	8 1/2	5/8	9 7/8	6 1/4	9 1/2	9 5/8	3/8	1/4	3 1/2	2 3/4							3.0
2S	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
2M	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
3																											
4																											
5																											

STANDARD SIGN
R6-3 & R6-3A

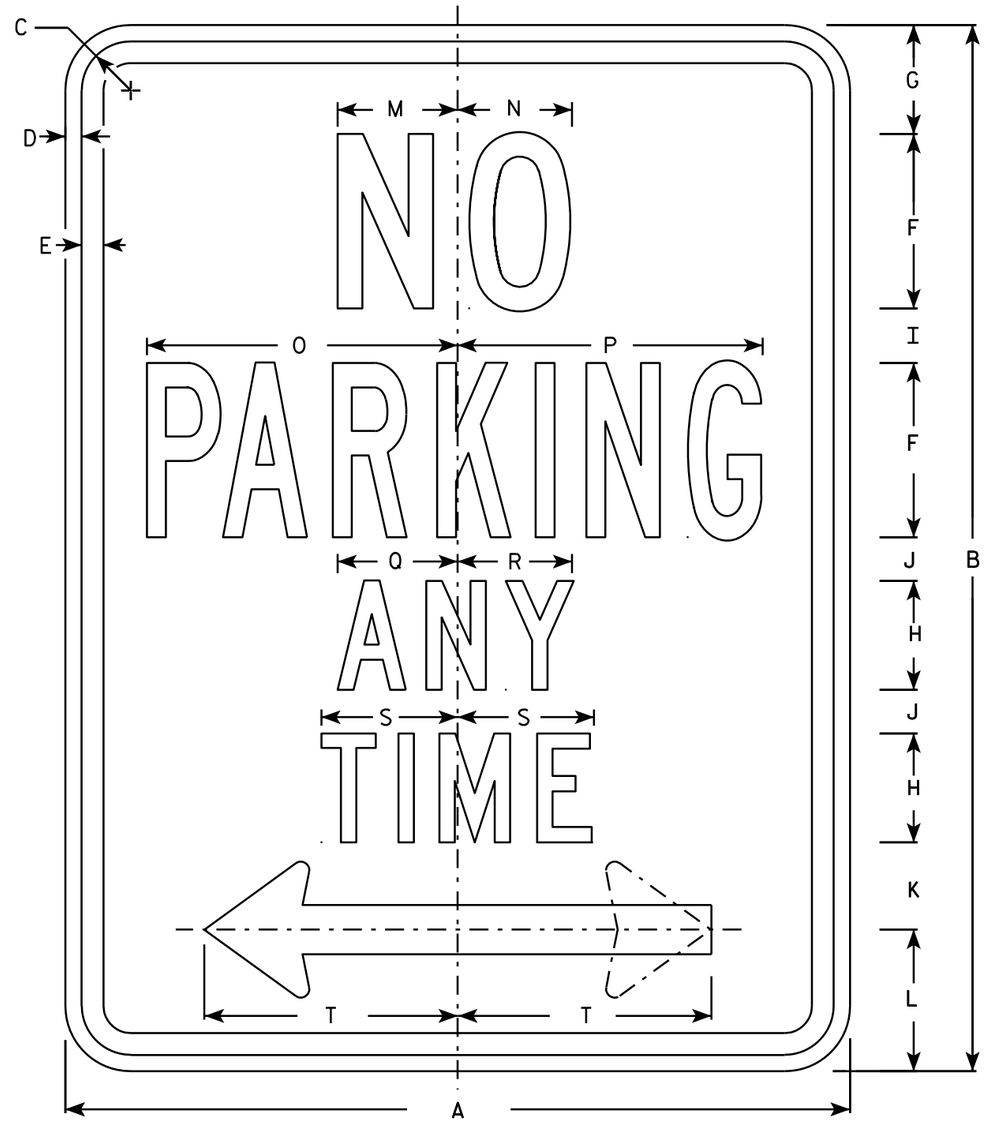
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R6-3.5

PROJECT NO:

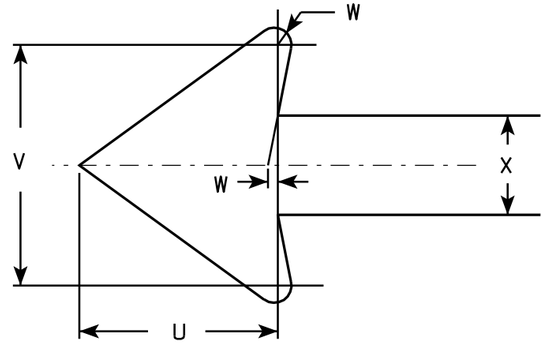
SHEET NO: 289 E



R7-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1, 3 and 4 are series C, line 2 is series B.
6. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-1.9

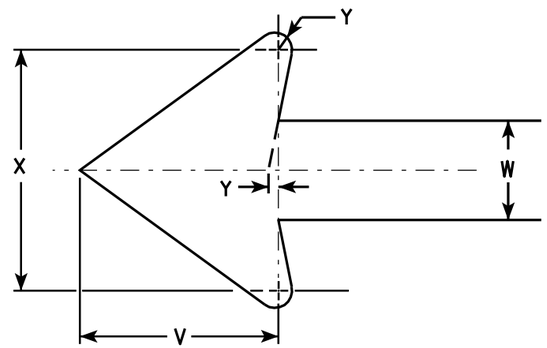
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 290 | E



R7-6

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
3. Message Series - See note 6.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R7-6L (left arrow)
   R7-6R (right arrow)
   R7-6D (double arrow)
6. Lines 1, 3 and 4 are Series C.
   Line 2 is Series B.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	2	1 7/8	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	4 5/8	4 1/2	2 7/8	2 3/4	3 7/8	1 1/2	3/4	1 3/4	1/8		1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	5 3/4	5 5/8	3 1/2	3 1/2	5 7/8	2 1/4	1 1/8	2 5/8	1/4		3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	6 7/8	6 3/4	4 1/8	4 1/4	7 3/4	3	1 1/2	3 1/2	1/4		5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	6 7/8	6 3/4	4 1/8	4 1/4	7 3/4	3	1 1/2	3 1/2	1/4		5.0
4																											
5																											

STANDARD SIGN
R7-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-6.7

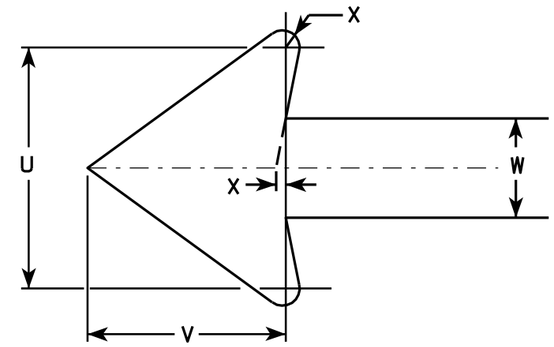
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 291	E



R7-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R7-7D (double arrow)
   R7-7R (right arrow)
   R7-7L (left arrow)
6. Lines 1, 3 and 4 are Series C.
   Line 2 is Series B.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	2	1 7/8	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2	2 3/4	2 5/8	3 7/8	1 3/4	1 1/2	3/4	1/8			1.50
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 1/2	3 3/8	3 3/8	5 7/8	2 5/8	2 1/4	1 1/8	1/4			3.00
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3	4 1/8	4	7 3/4	3 1/2	3	1 1/2	1/4			5.00
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3	4 1/8	4	7 3/4	3 1/2	3	1 1/2	1/4			5.00
4																											
5																											

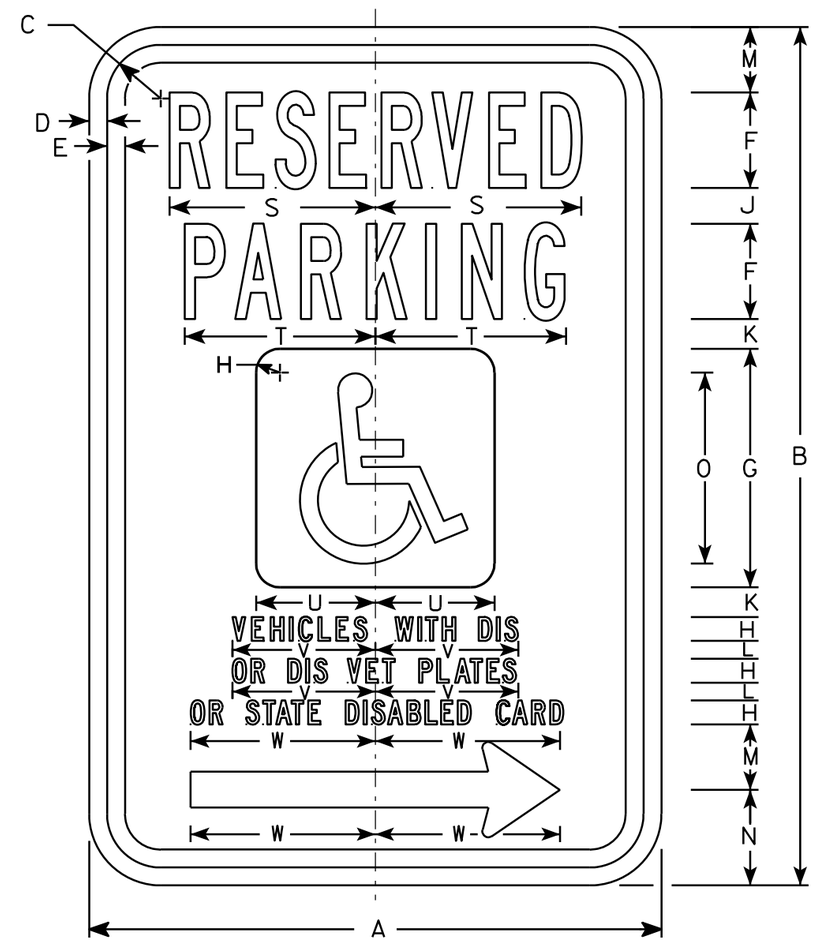
STANDARD SIGN
R7-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-7.8

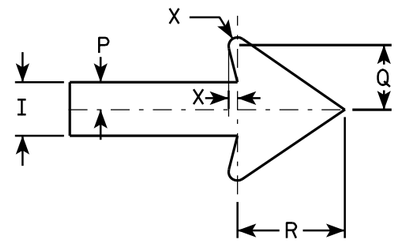
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 292 | E



R7-8R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Sign is white Type H Reflective; paraplegic background is blue.
   Message - Legend and border are green; paraplegic symbol is white
3. Message Series - Lines 1 & 2 are Series B
   Lines 3, 4, 5 & 6 are Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R7-8R (RIGHT ARROW)
   R7-8L (LEFT ARROW)



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	18	1 1/8	3/8	3/8	2	5	1/2	3/4	3/4	5/8	3/8	1 3/8	2	4	3/8	7/8	1 1/2	4 3/8	4	2 1/2	3	3 7/8	3/16			1.5
2M	18	24	1 1/8	3/8	1/2	3	6	3/4	1 1/8	7/8	5/8	1/2	1 7/8	2 7/8	5	5/8	1 3/8	2 1/4	6 1/2	5 3/8	3	4 1/2	5 7/8	1/8			3.0
3	18	24	1 1/8	3/8	1/2	3	6	3/4	1 1/8	7/8	5/8	1/2	1 7/8	2 7/8	5	5/8	1 3/8	2 1/4	6 1/2	5 3/8	3	4 1/2	5 7/8	1/8			3.0
4																											
5																											

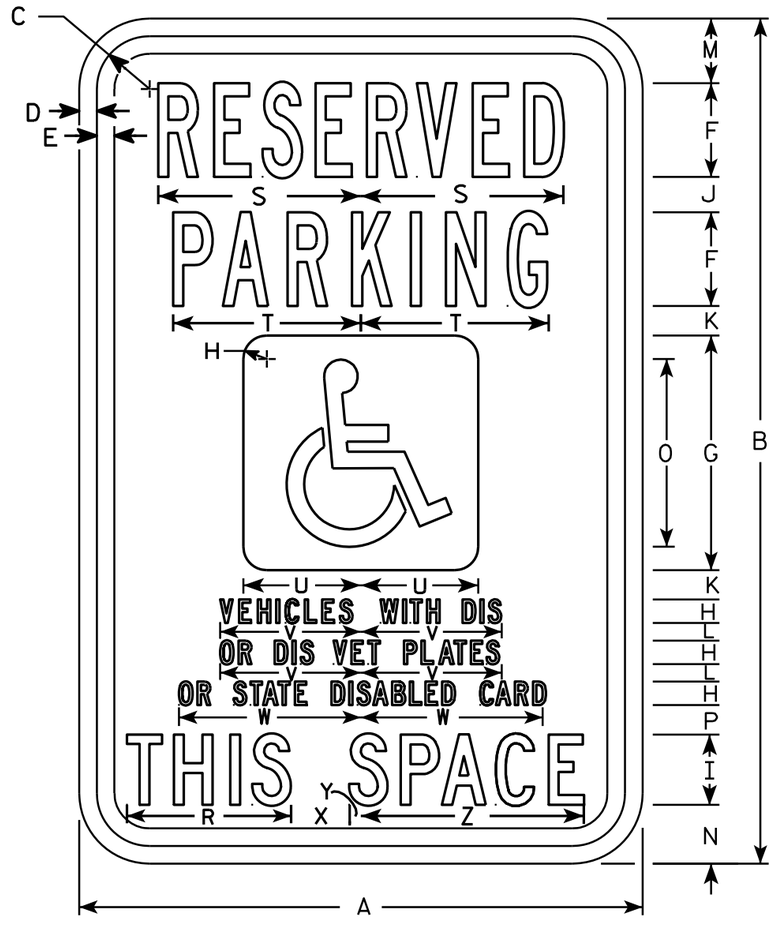
STANDARD SIGN
R7-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-8.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 293	E



R7-8A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Sign is white Type H Reflective; paraplegic background is blue.
   Message - Legend and border are green; paraplegic symbol is white
3. Message Series - Lines 1 & 2 are Series B
   Lines 3, 4, 5 & 6 are Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	18	1 1/8	3/8	3/8	2	5	1/2	1 1/2	3/4	5/8	3/8	1 3/8	1 1/4	4	5/8		3 1/2	4 3/8	4	2 1/2	3	3 7/8	1 1/4	1/4	4 3/4	1.5
2M	18	24	1 1/8	3/8	1/2	3	6	3/4	2	7/8	5/8	1/2	1 7/8	2	5	3/4		4 5/8	6 1/2	5 3/8	3	4 1/2	5 7/8	1 1/2	1/4	6 3/8	3.0
3	18	24	1 1/8	3/8	1/2	3	6	3/4	2	7/8	5/8	1/2	1 7/8	2	5	3/4		4 5/8	6 1/2	5 3/8	3	4 1/2	5 7/8	1 1/2	1/4	6 3/8	3.0
4																											
5																											

STANDARD SIGN
R7-8A

WISCONSIN DEPT OF TRANSPORTATION

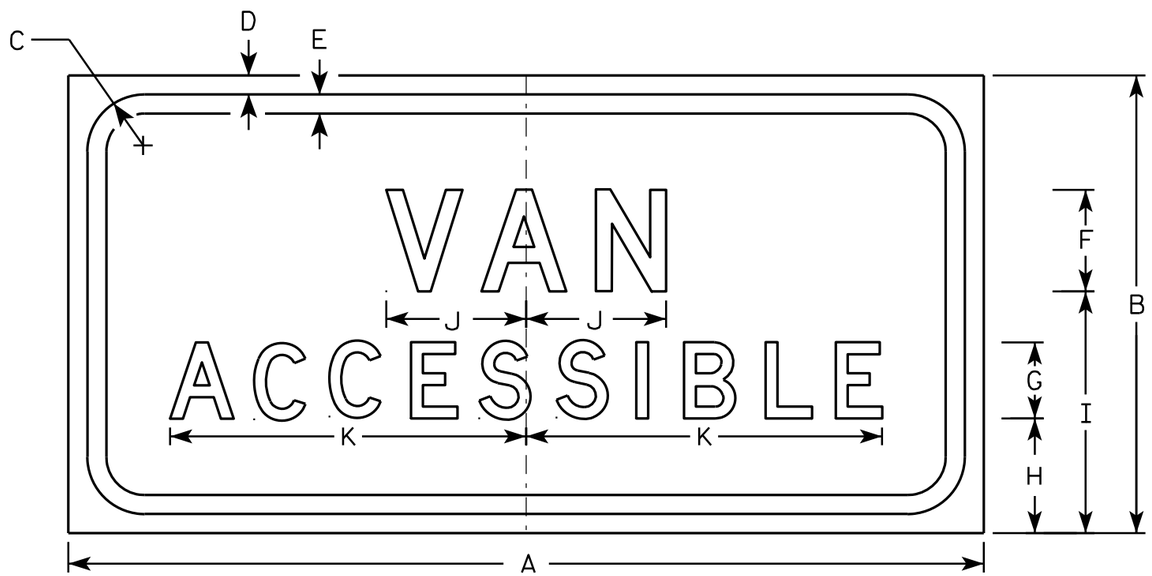
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/25/2011 PLATE NO. R7-8A.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 294 | E

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Green - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R7-8V

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	6	1 1/8	3/8	3/8	1 1/2	1	1 5/8	3 1/2	2	4 1/4																0.50
2M	18	9	1 1/8	3/8	3/8	2	1 1/2	2 1/4	4 3/4	2 3/4	7																0.75
3	18	9	1 1/8	3/8	3/8	2	1 1/2	2 1/4	4 3/4	2 3/4	7																0.75
4																											
5																											

STANDARD SIGN
R7-8V

WISCONSIN DEPT OF TRANSPORTATION

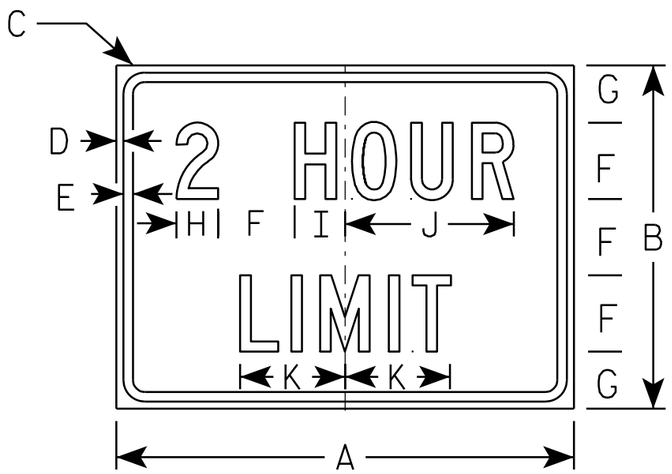
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-8V.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 295 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R78V.DGN PLOT DATE : 31-MAR-2011 11:13 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 2.979520:1.000000

WISDOT/CADDS SHEET 42



R8-56

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	18	1 1/8	3/8	1/2	4	3	2 1/4	2 5/8	8 7/8	5 1/2																2.0
2M	24	18	1 1/8	3/8	1/2	4	3	2 1/4	2 5/8	8 7/8	5 1/2																2.0
3																											
4																											
5																											

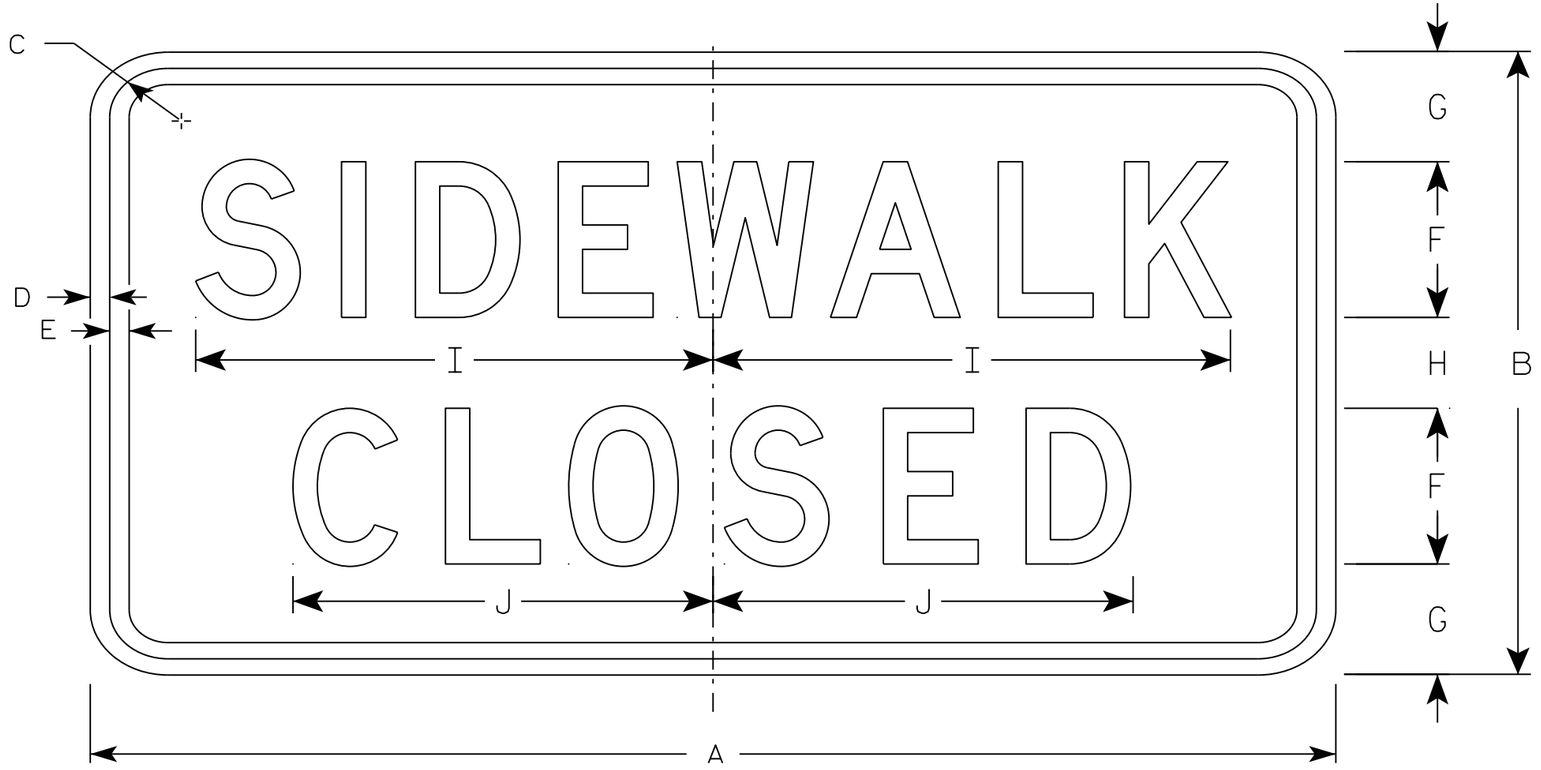
STANDARD SIGN
R8-56

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/31/2011 PLATE NO R8-56.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 296	E



R9-9

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

STANDARD SIGN
R9-9

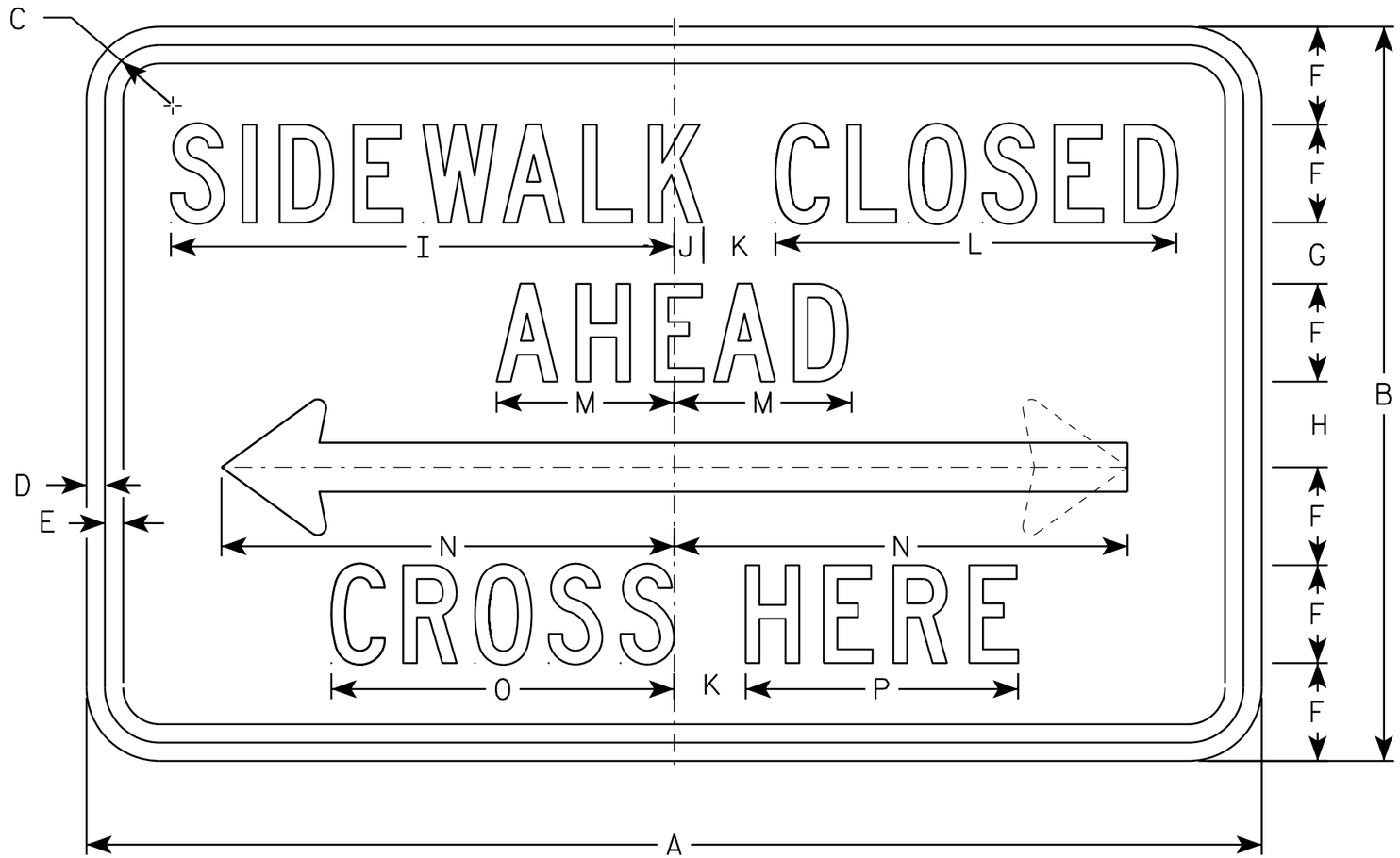
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/11/16 PLATE 297 R9-9.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

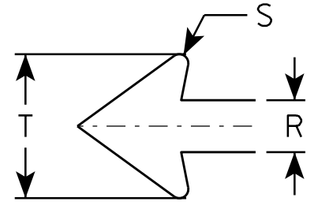
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000



R9-11

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C except Size 1 is Series D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
2M	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
3	48	30	2 3/4	3/4	3/4	4	2 1/2	3 1/2	20 1/2	1 1/4	3	16 3/8	7 1/4	18 1/2	14	11 1/8		2	3/8	5 1/2							10.0
4																											
5																											

STANDARD SIGN
R9-11

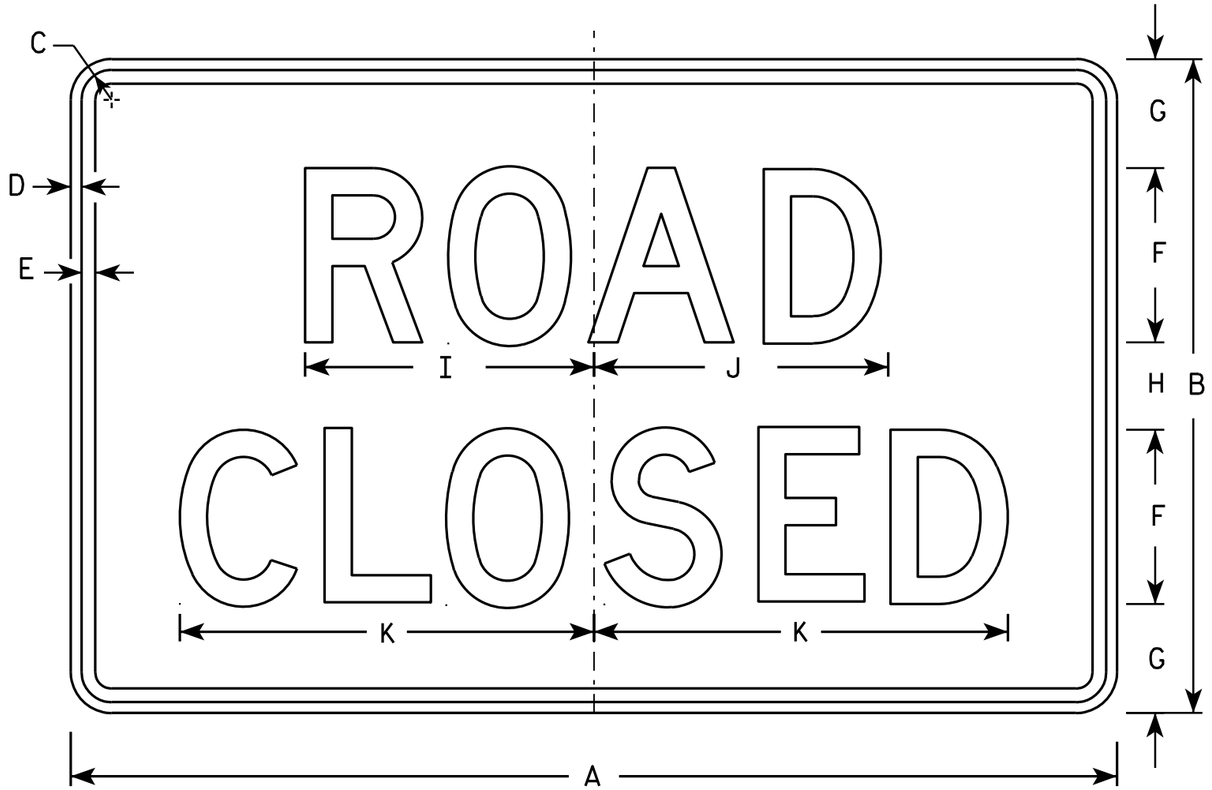
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/10/16 PLATE No. R9-11.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

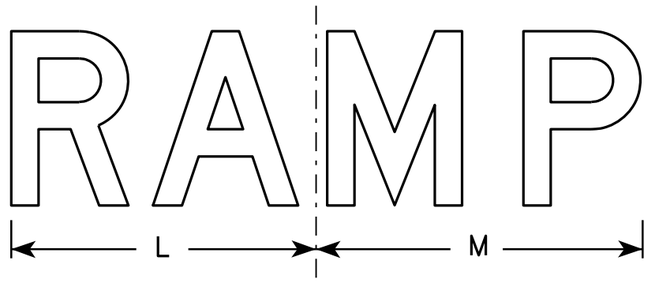
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R911.DGN PLOT DATE : 10-MAR-2016 14:57 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837529:1.000000
WISDOT/CADDS SHEET 42



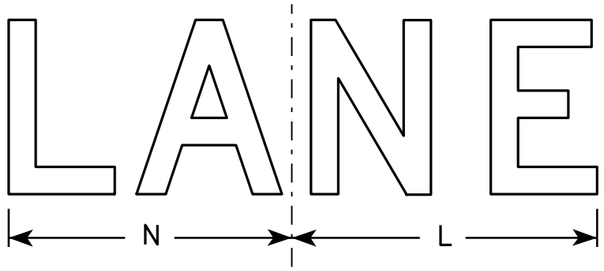
R11-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0

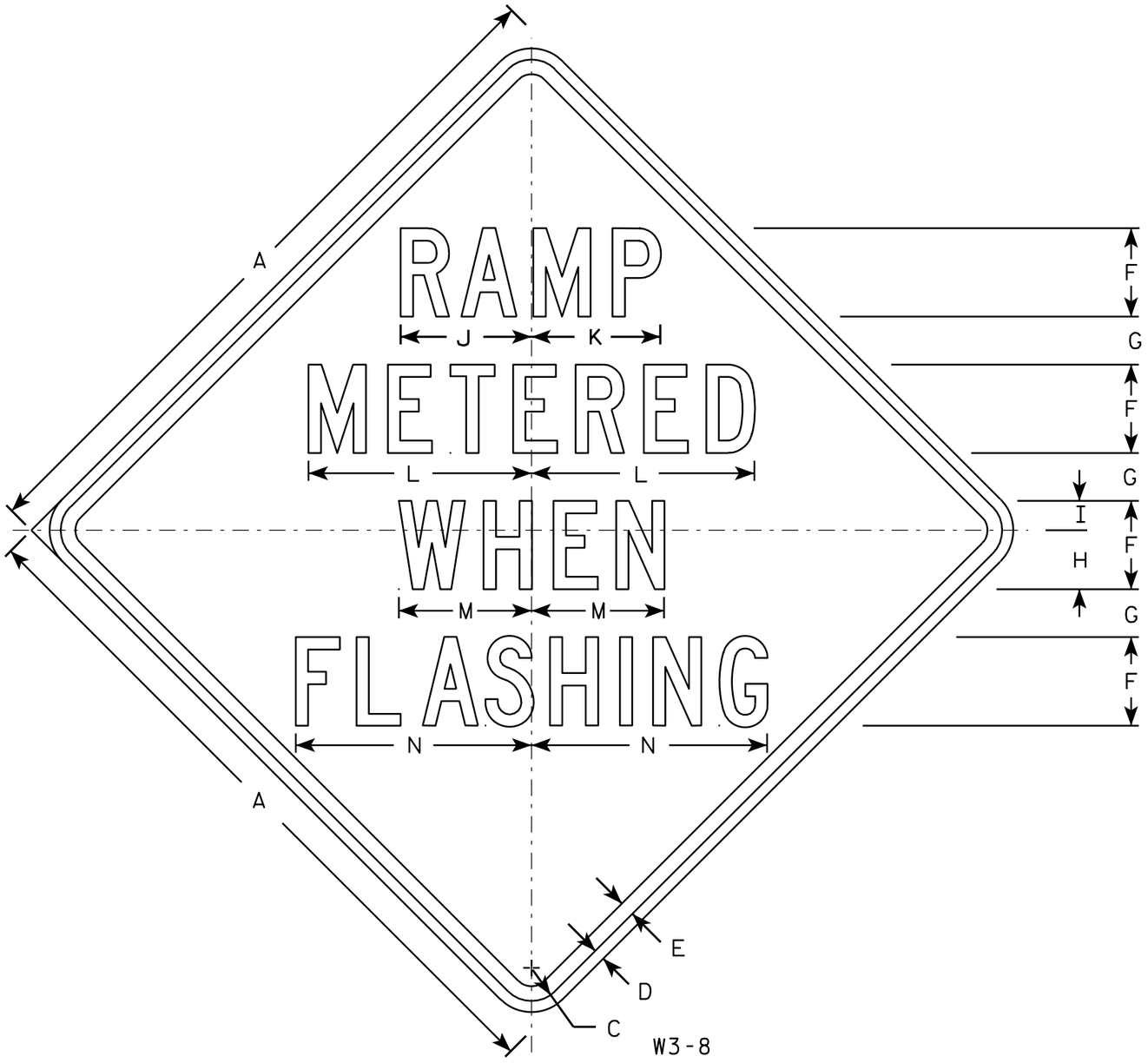
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 299 | E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48		2 1/4	3/4	1	6	3 3/4	4	2	8 7/8	8 3/4	15 1/8	9	16													16.0
2M	48		2 1/4	3/4	1	6	3 3/4	4	2	8 7/8	8 3/4	15 1/8	9	16													16.0
3	48		2 1/4	3/4	1	6	3 3/4	4	2	8 7/8	8 3/4	15 1/8	9	16													16.0
4	48		2 1/4	3/4	1	6	3 3/4	4	2	8 7/8	8 3/4	15 1/8	9	16													16.0
5	48		2 1/4	3/4	1	6	3 3/4	4	2	8 7/8	8 3/4	15 1/8	9	16													16.0

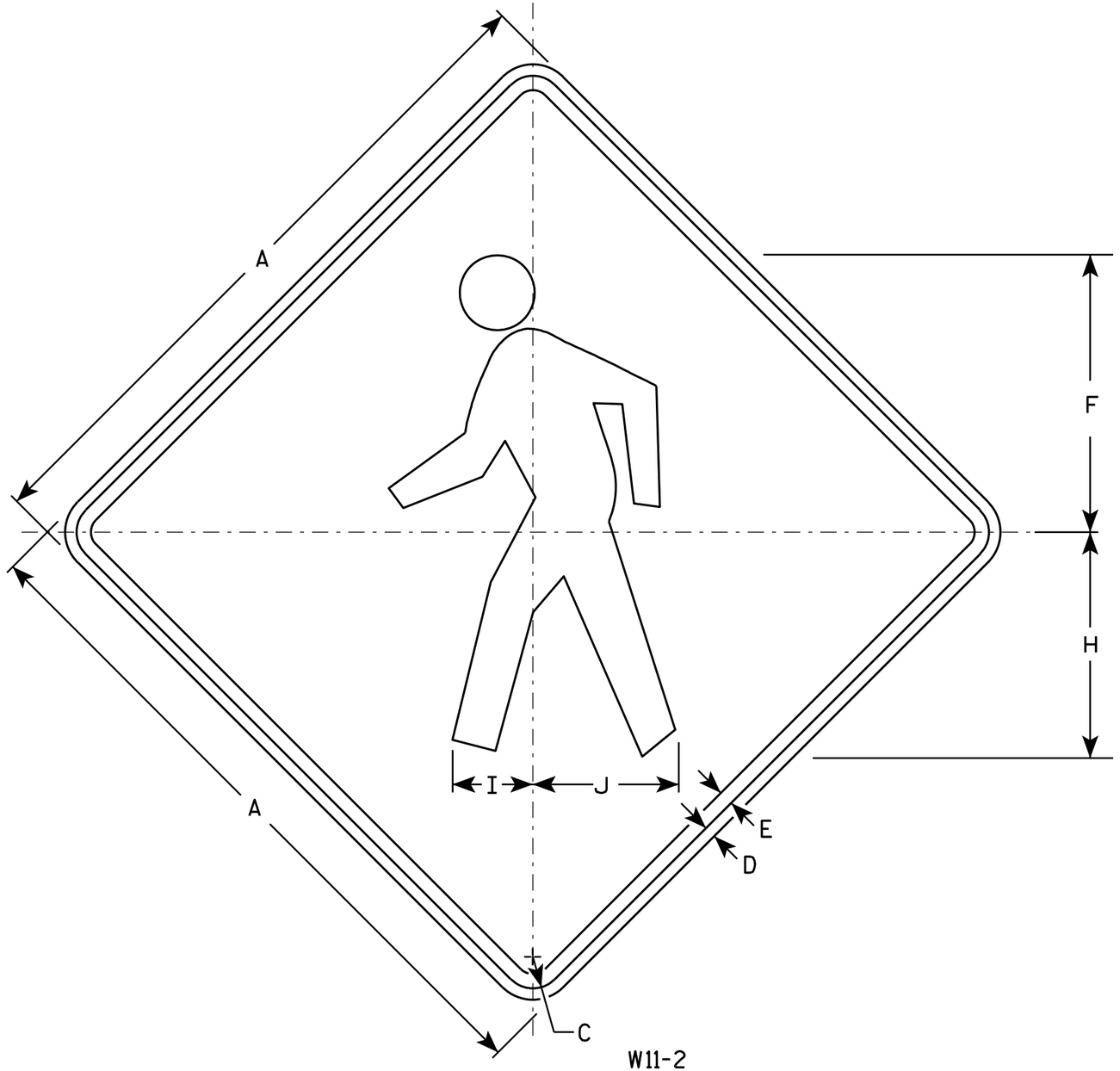
STANDARD SIGN
W3-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W3-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 300	E



W11-2

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 3/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

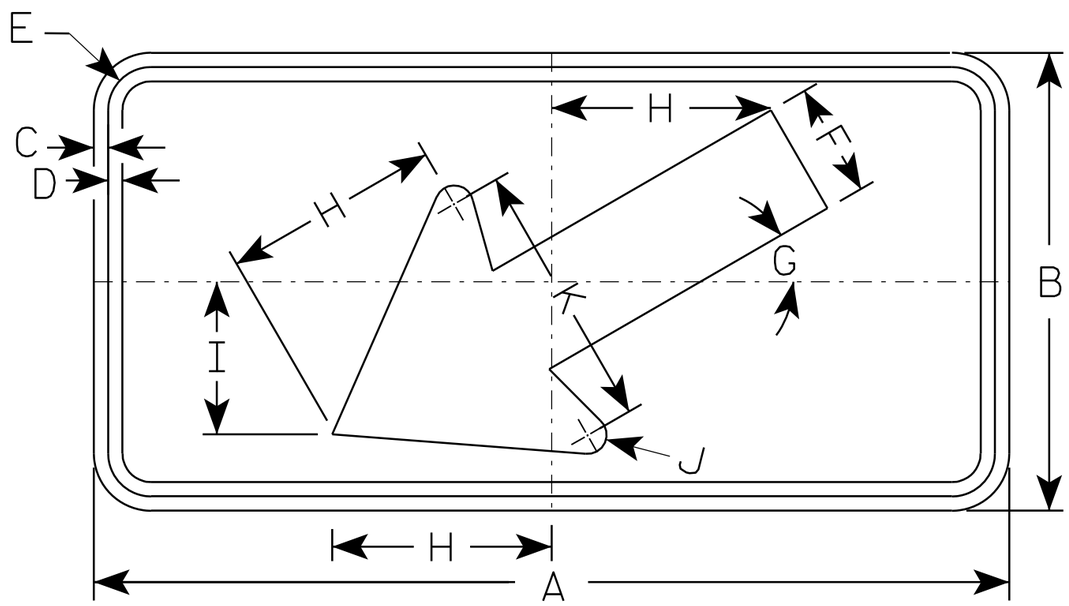
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W11-2.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 301	E



W16-7L

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W16-7R is the same as W16-L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
2M	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4																											8
5																											8

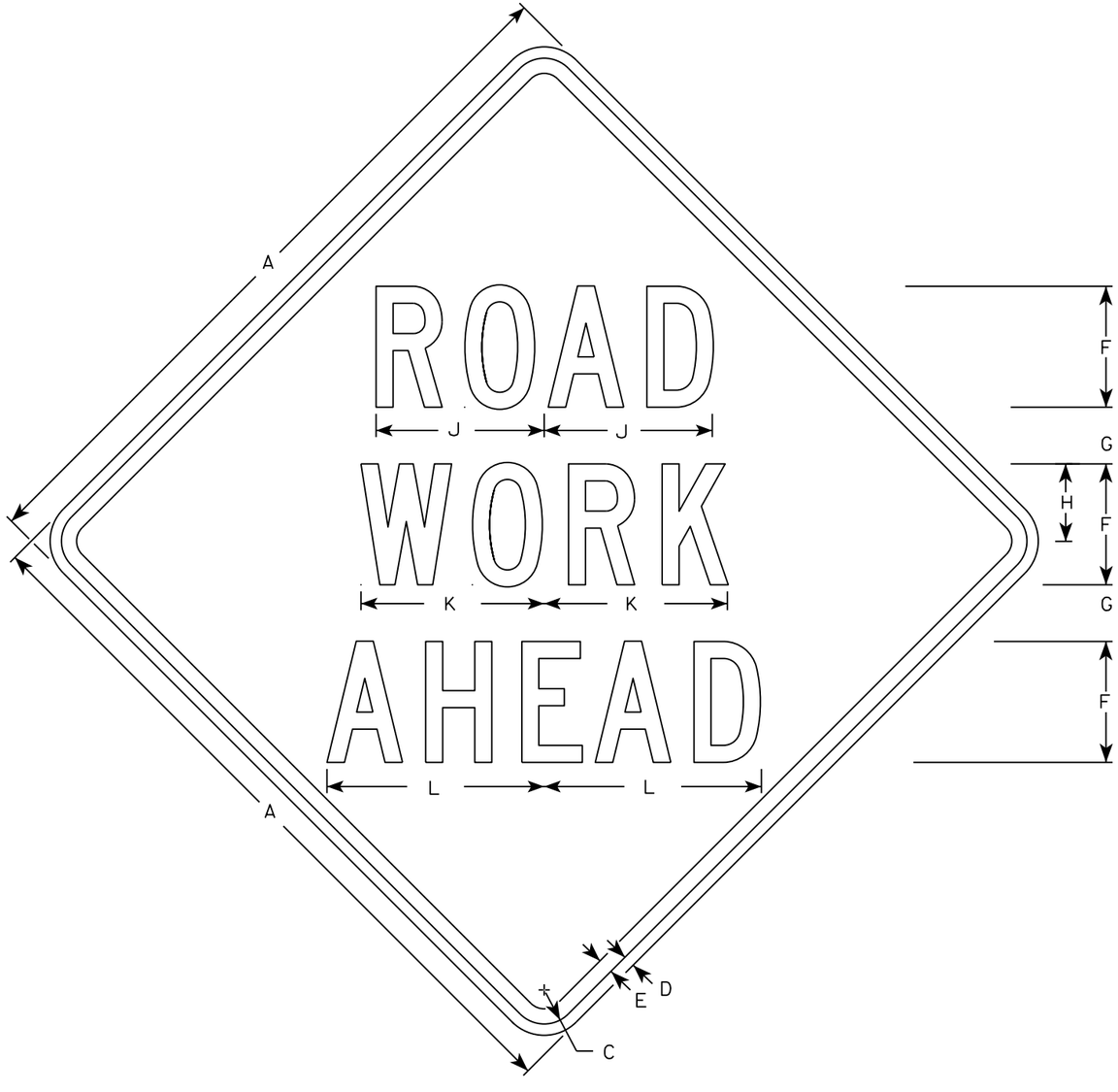
STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

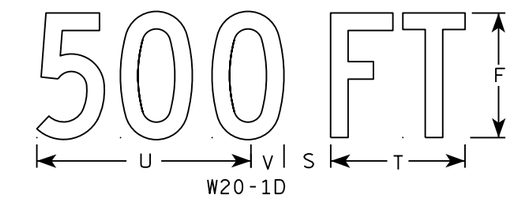
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/02/10 PLATE NO. W16-7.5

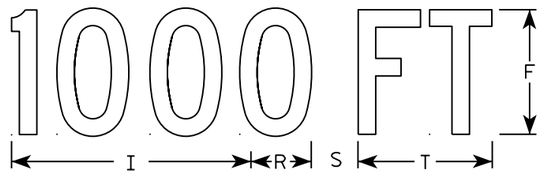
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 302	E



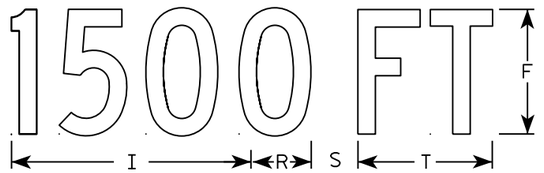
W20-1A



W20-1D



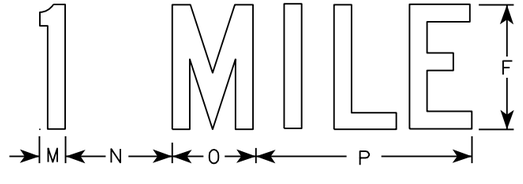
W20-1C



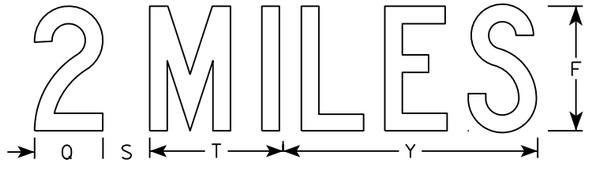
W20-1B



W20-1G



W20-1F



W20-1E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 3/8	1/2	5/8	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9		2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/07/15 PLATE NO. W20-1.10

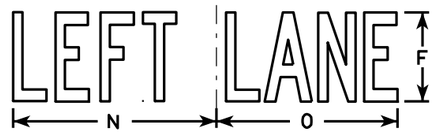
PROJECT NO:

SHEET NO: E

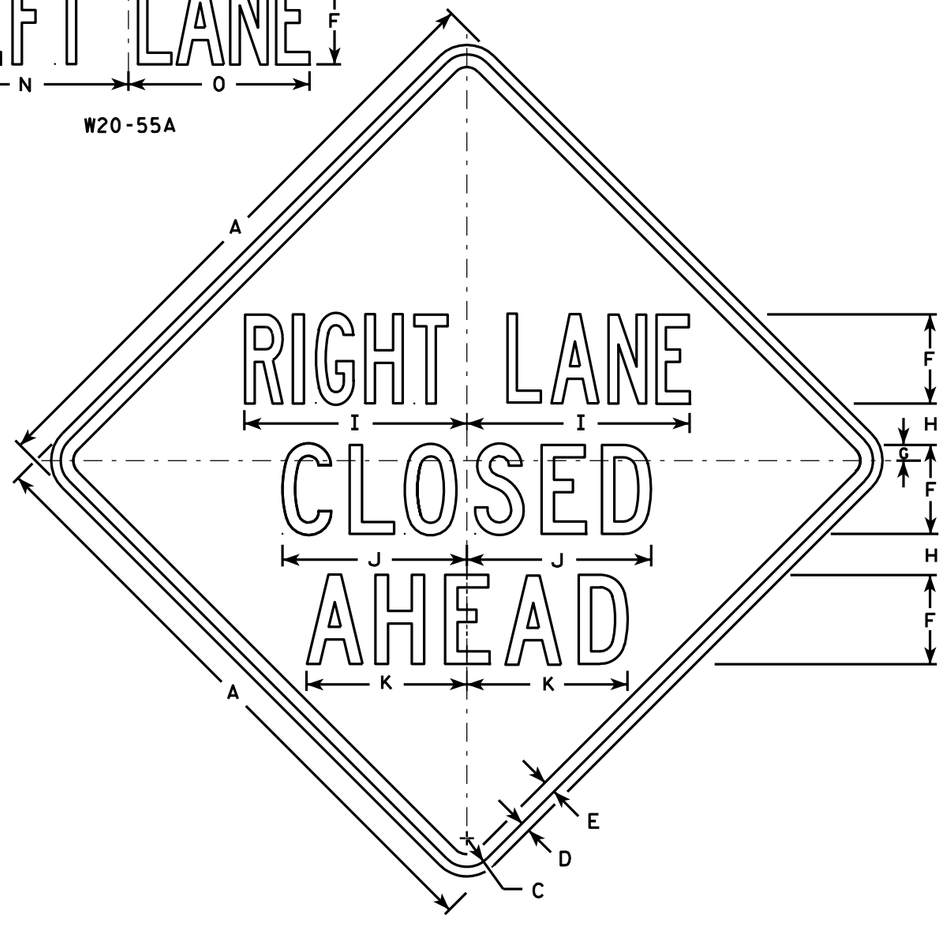
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 01-DEC-2015 18:24 PLOT BY : $$ plotuser $$



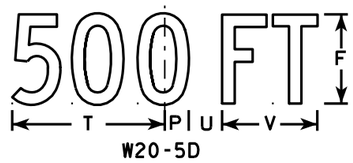
W20-56A



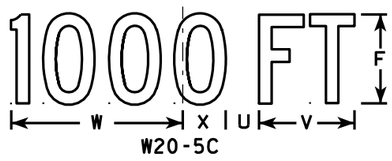
W20-55A



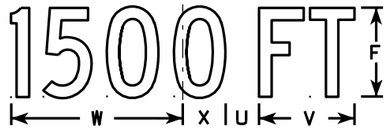
W20-5A



W20-5D



W20-5C



W20-5B



W20-5G



W20-5F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	1 5/8	5/8	3/4	5	1/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

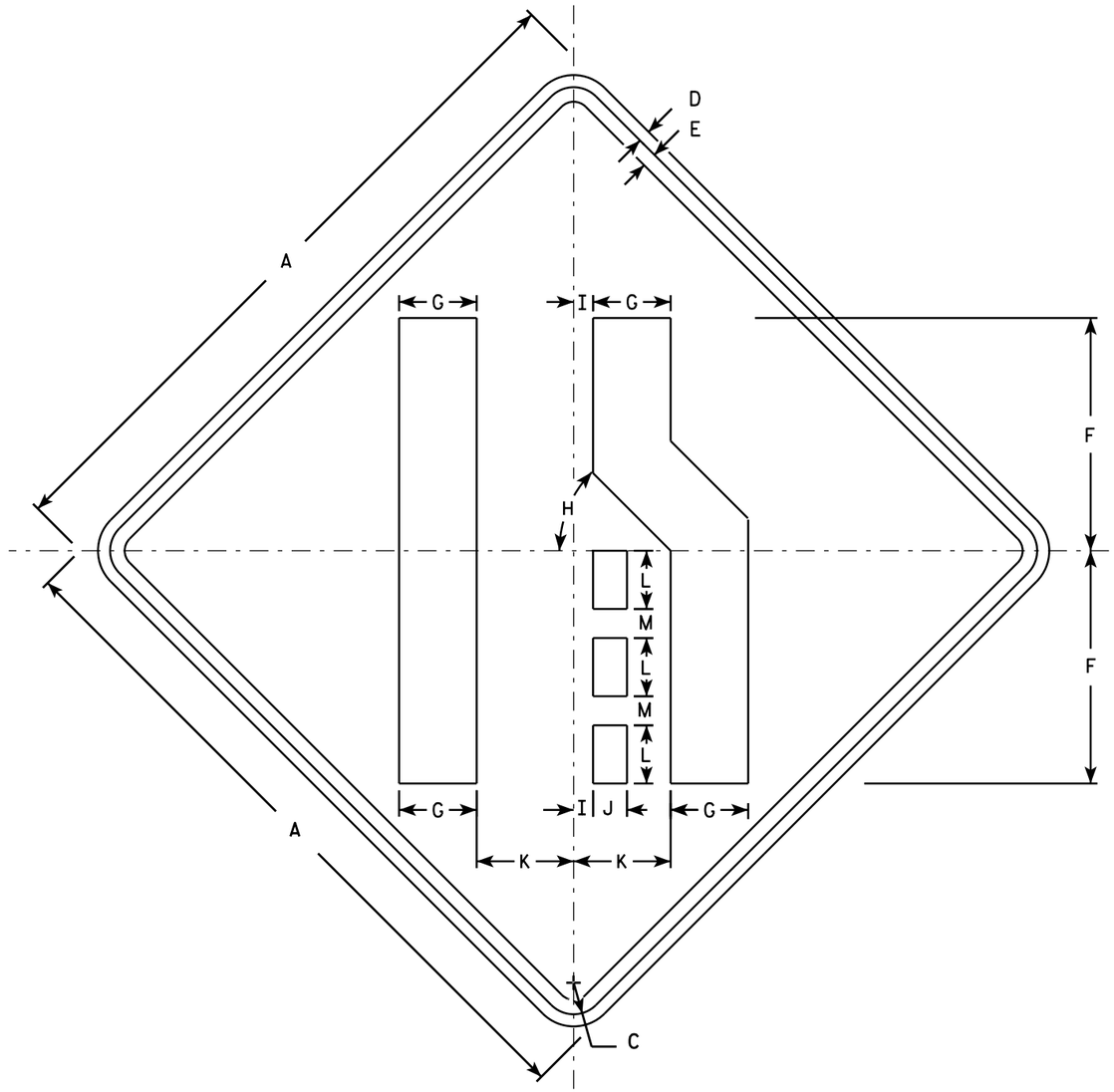
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 304 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000
WISDOT/CADDS SHEET 42



W04-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

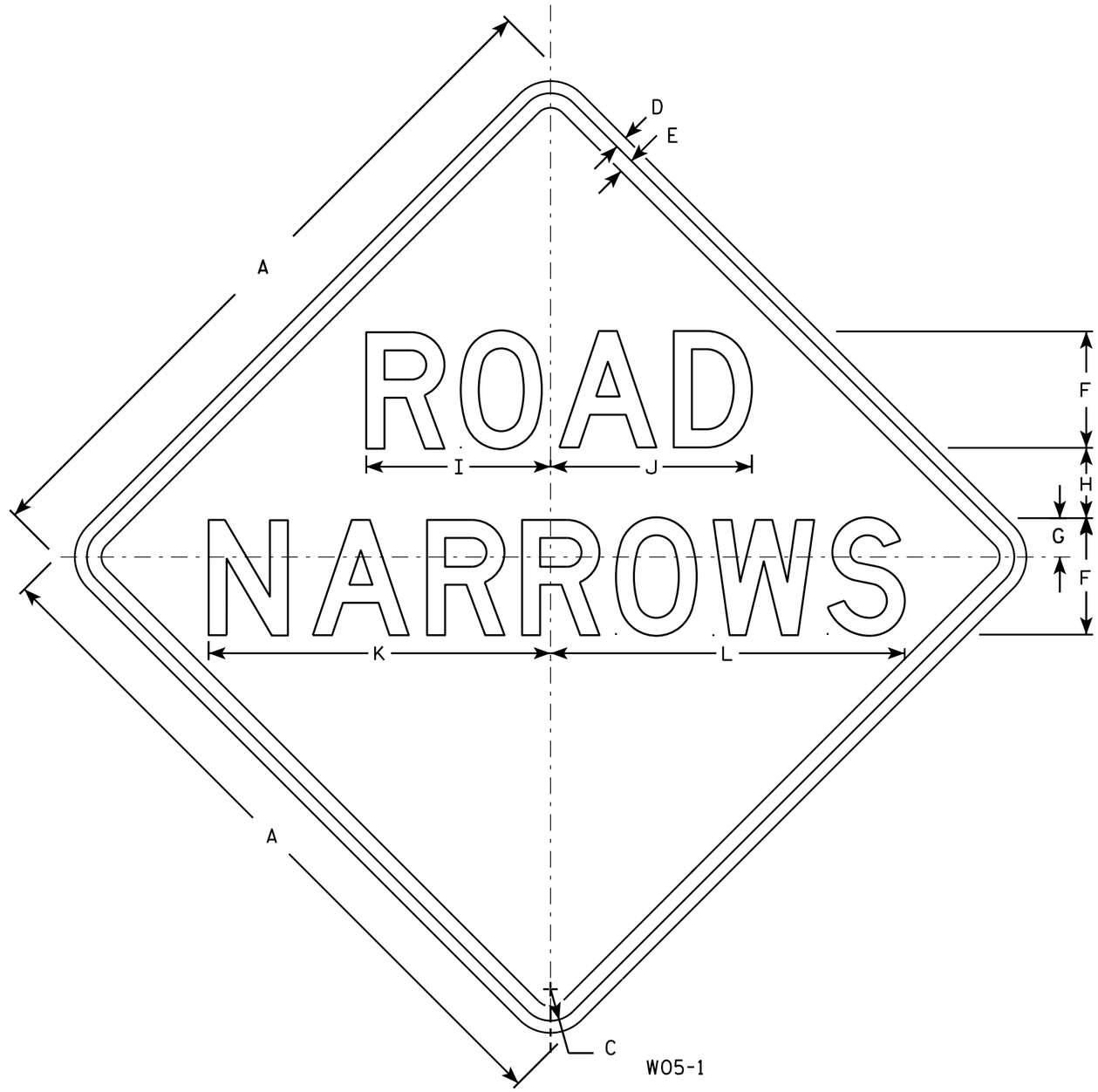
STANDARD SIGN
W04-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 305 W04-2.1

PROJECT NO: | SHEET NO: E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	2	3 1/2	9 1/2	10 3/8	17 5/8	18 1/4															9.0
2S	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
2M	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
3	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
4	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
5	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0

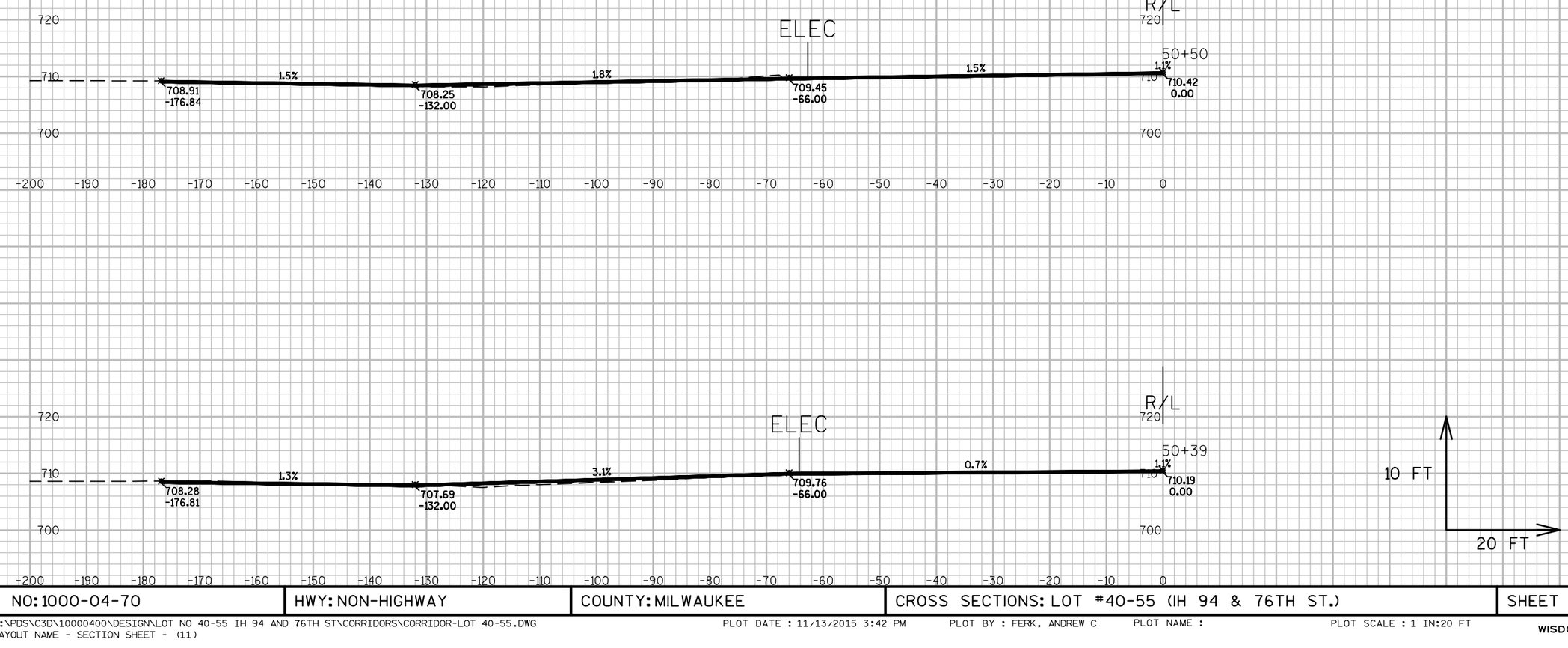
STANDARD SIGN
W05-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE NO. W05-1.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

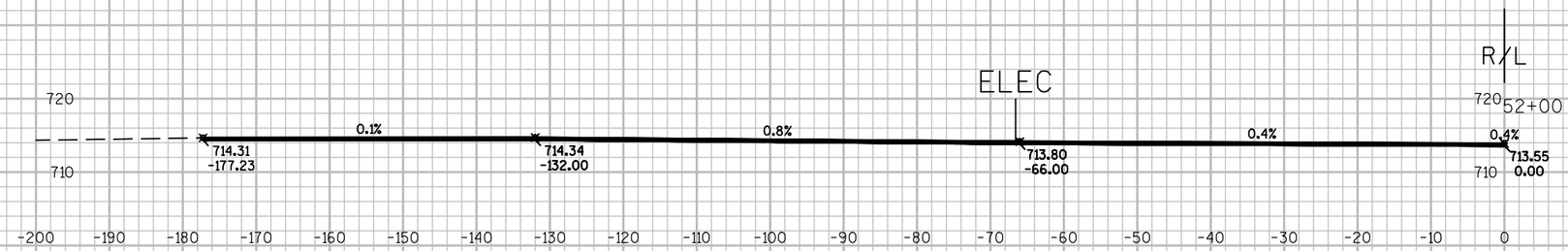


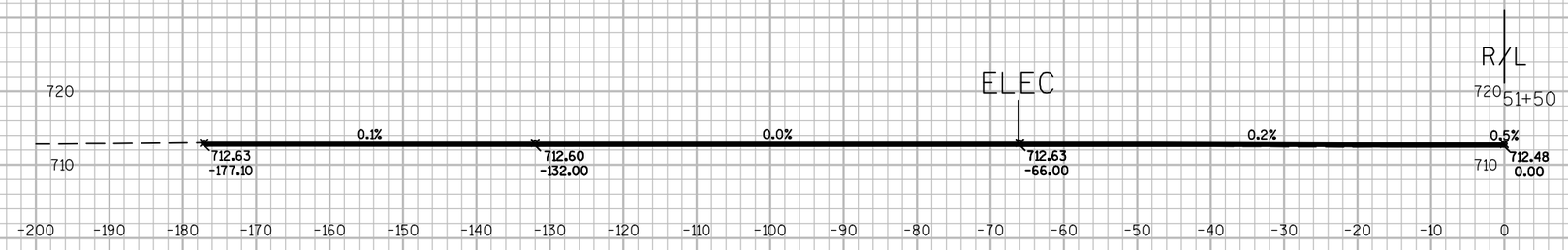
PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	CROSS SECTIONS: LOT #40-55 (IH 94 & 76TH ST.)	SHEET 307 E

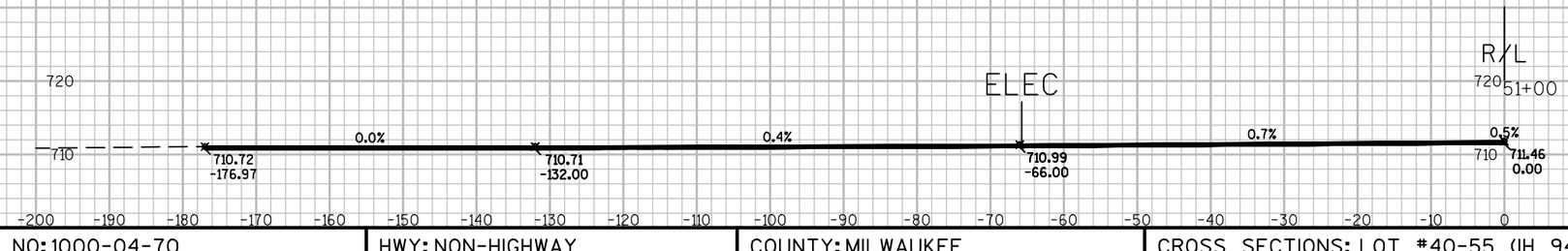
FILE NAME : N:\PDS\C3D\10000400\DESIGN\LOT NO 40-55 IH 94 AND 76TH ST\CORRIDORS\CORRIDOR-LOT 40-55.DWG
LAYOUT NAME - SECTION SHEET - (11)

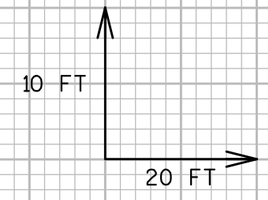
PLOT DATE : 11/13/2015 3:42 PM PLOT BY : FERK, ANDREW C PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49









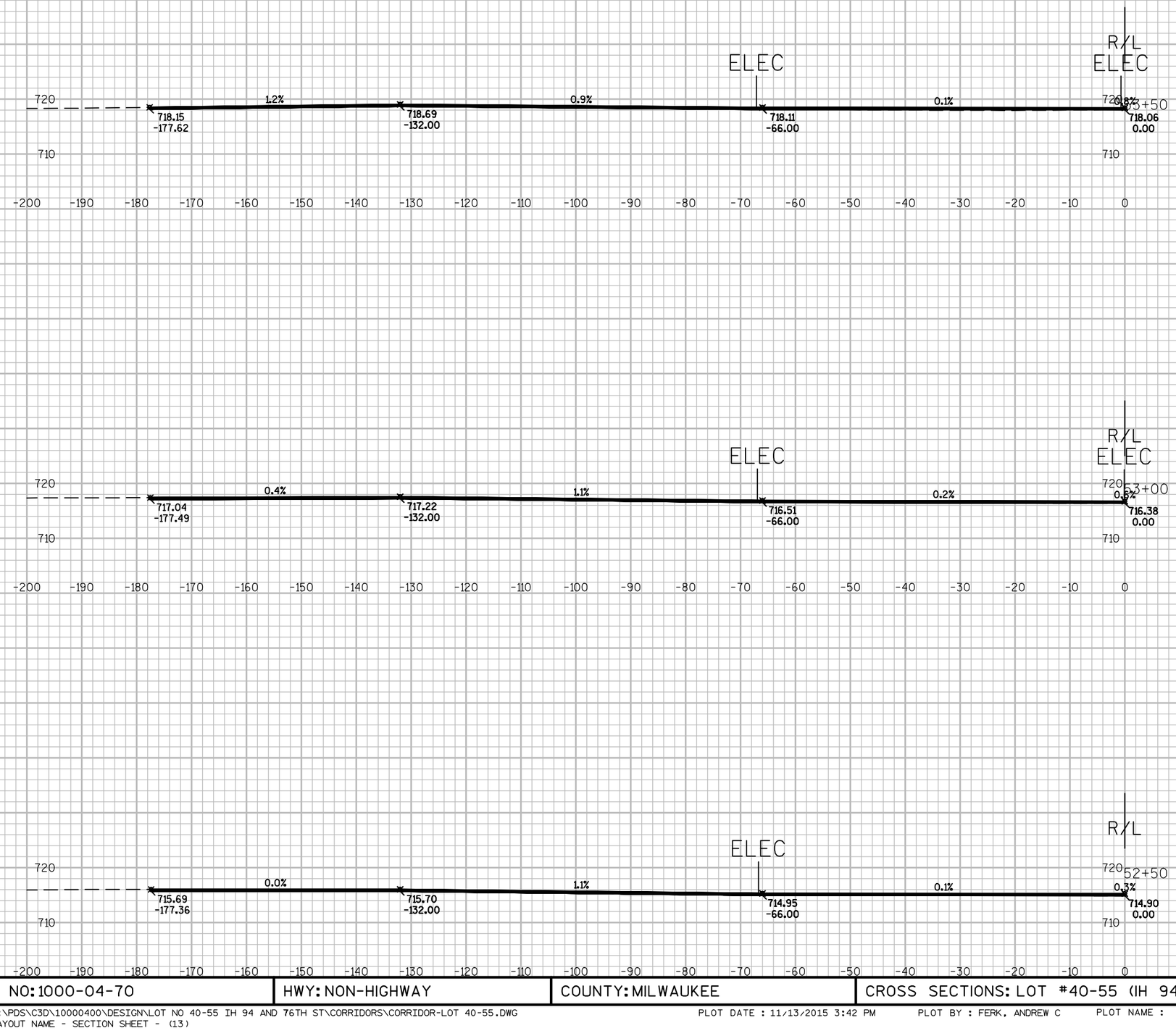
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9

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	CROSS SECTIONS: LOT #40-55 (IH 94 & 76TH ST.)	SHEET 308	E

FILE NAME : N:\PDS\C3D\10000400\DESIGN\LOT NO 40-55 IH 94 AND 76TH ST\CORRIDORS\CORRIDOR-LOT 40-55.DWG
LAYOUT NAME - SECTION SHEET - (12)

PLOT DATE : 11/13/2015 3:42 PM PLOT BY : FERK, ANDREW C PLOT NAME : PLOT SCALE : 1 IN:20 FT

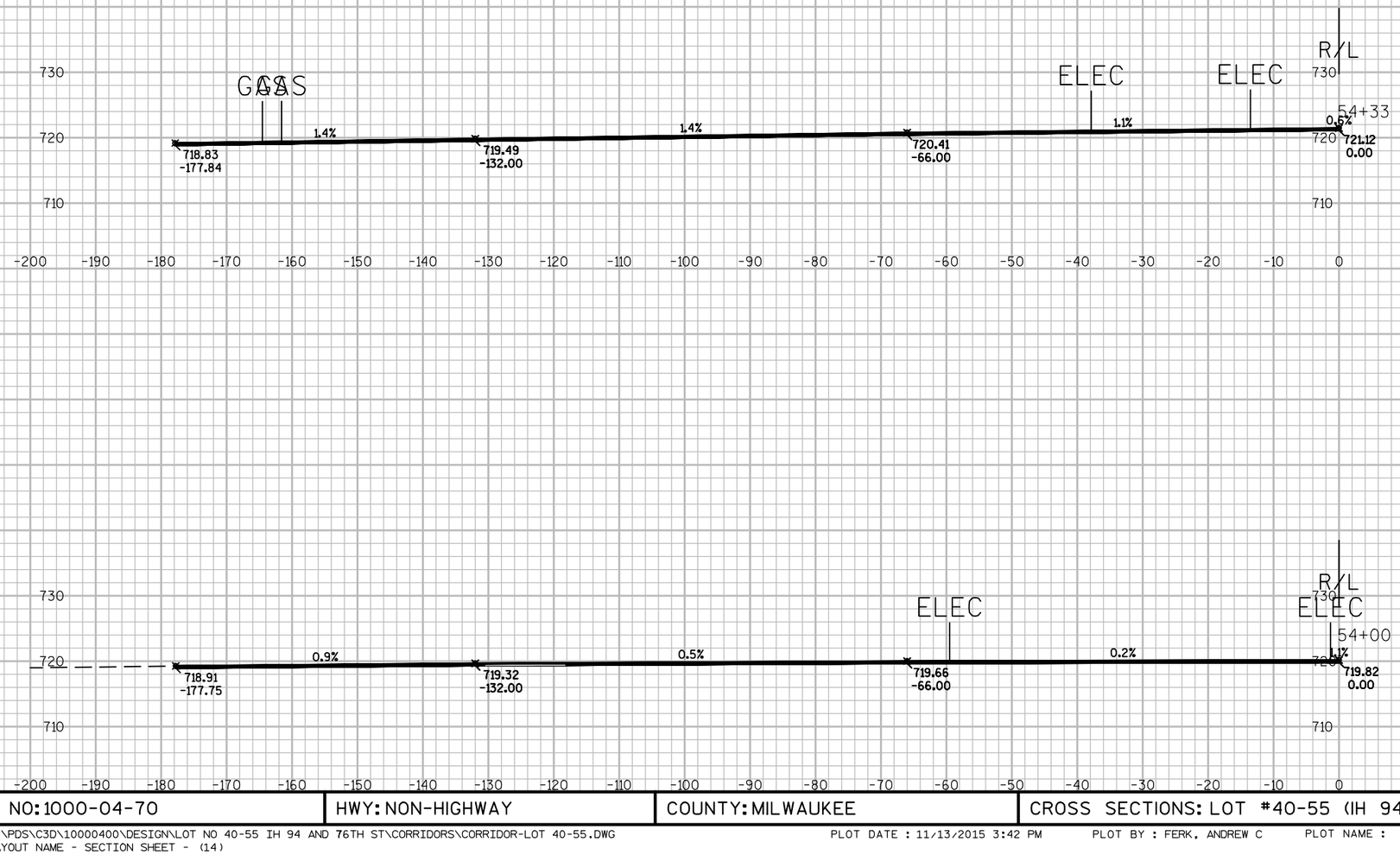


PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	CROSS SECTIONS: LOT #40-55 (IH 94 & 76TH ST.)	SHEET 309	E

FILE NAME : N:\PDS\C3D\10000400\DESIGN\LOT NO 40-55 IH 94 AND 76TH ST\CORRIDORS\CORRIDOR-LOT 40-55.DWG
LAYOUT NAME - SECTION SHEET - (13)

PLOT DATE : 11/13/2015 3:42 PM PLOT BY : FERK, ANDREW C PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	CROSS SECTIONS: LOT #40-55 (IH 94 & 76TH ST.)	SHEET 310	E

FILE NAME : N:\PDS\C3D\10000400\DESIGN\LOT NO 40-55 IH 94 AND 76TH ST\CORRIDORS\CORRIDOR-LOT 40-55.DWG
LAYOUT NAME - SECTION SHEET - (14)

PLOT DATE : 11/13/2015 3:42 PM PLOT BY : FERK, ANDREW C PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



9

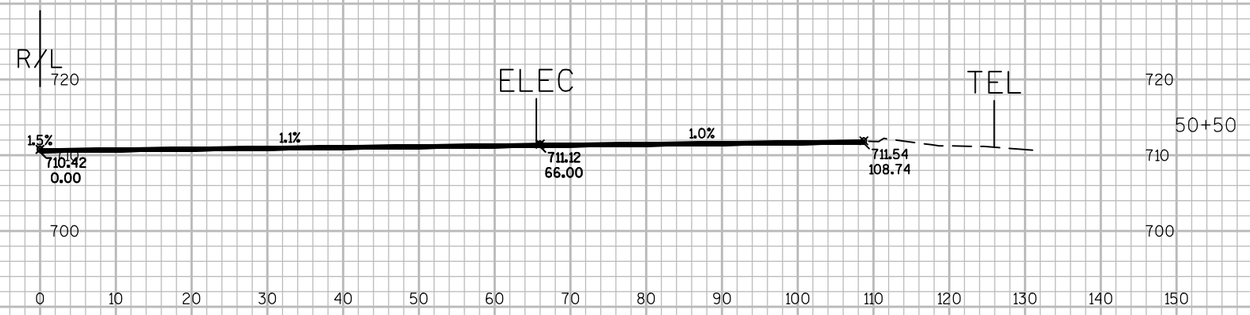
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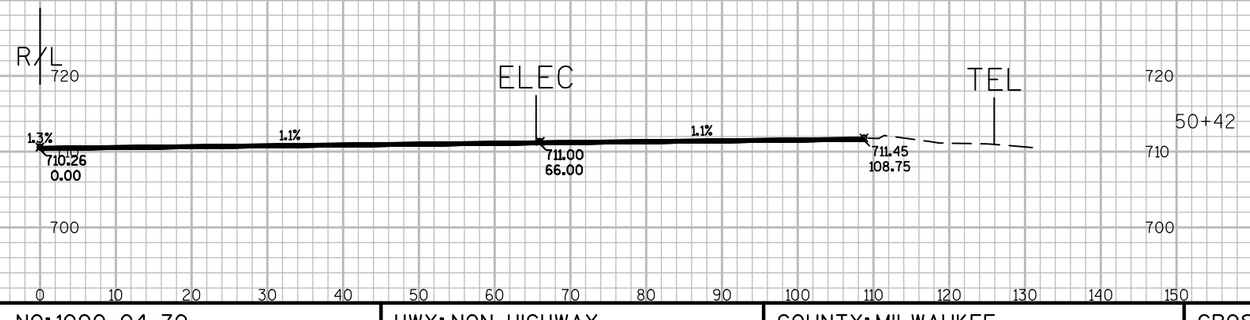
PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	CROSS SECTIONS: LOT #40-55 (IH 94 & 76TH ST.)	SHEET 311	E

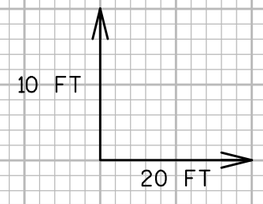
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LAYOUT NAME - SECTION SHEET - (15)

PLOT DATE : 11/13/2015 3:42 PM PLOT BY : FERK, ANDREW C PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49







9

9

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	CROSS SECTIONS: LOT #40-55 (IH 94 & 76TH ST.)	SHEET 312	E

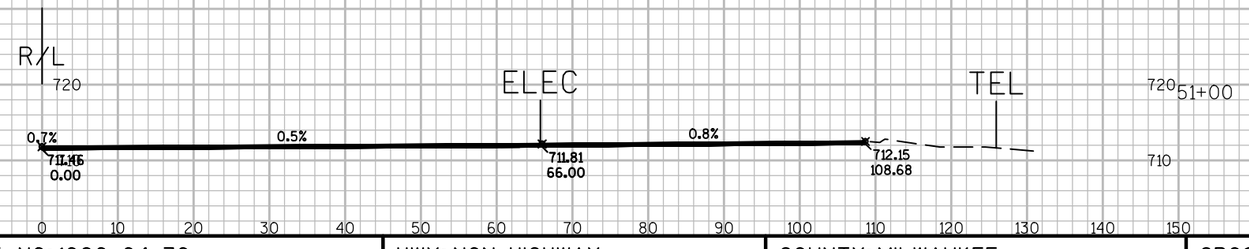
FILE NAME : N:\PDS\C3D\10000400\DESIGN\LOT NO 40-55 IH 94 AND 76TH ST\CORRIDORS\CORRIDOR-LOT 40-55.DWG
LAYOUT NAME - SECTION SHEET - (1)XRT

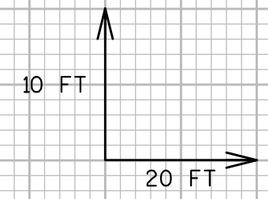
PLOT DATE : 11/13/2015 3:42 PM PLOT BY : FERK, ANDREW C PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49









9

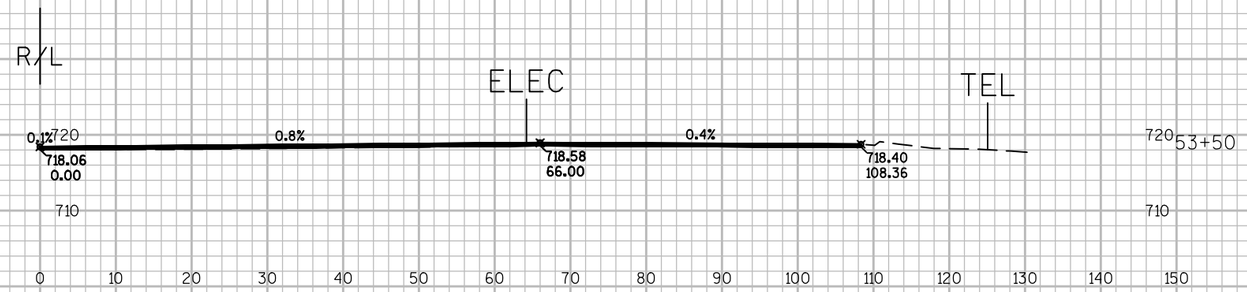
9

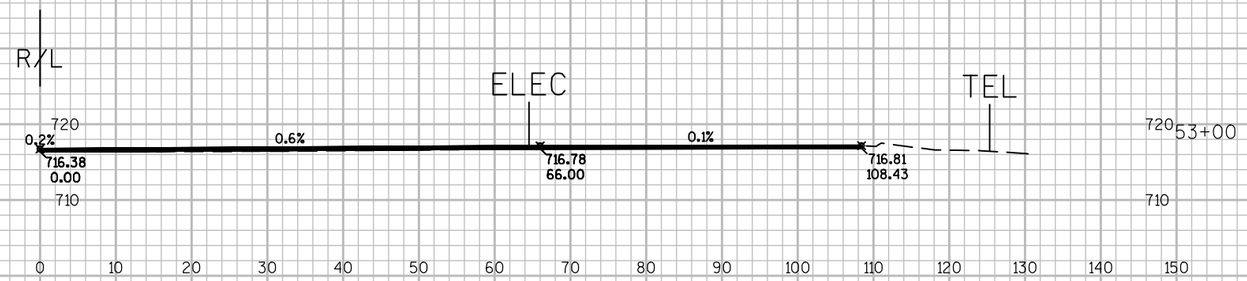
PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	CROSS SECTIONS: LOT #40-55 (IH 94 & 76TH ST.)	SHEET 313	E

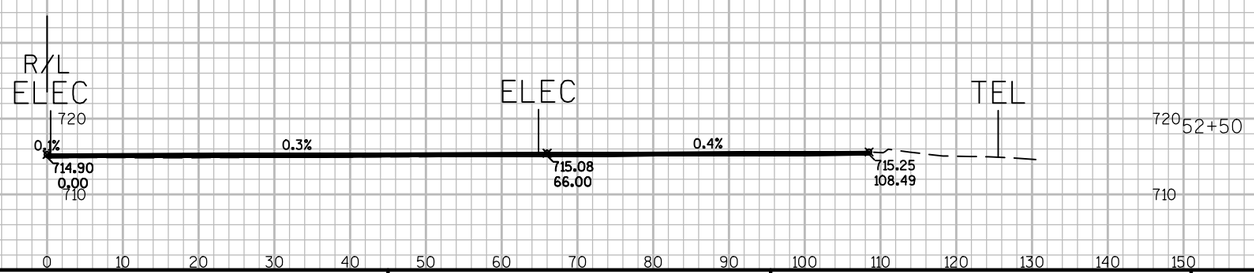
FILE NAME : N:\PDS\C3D\10000400\DESIGN\LOT NO 40-55 IH 94 AND 76TH ST\CORRIDORS\CORRIDOR-LOT 40-55.DWG
LAYOUT NAME - SECTION SHEET - (2)XRT

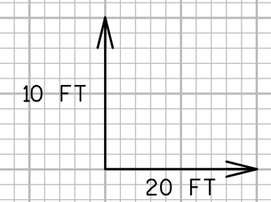
PLOT DATE : 11/13/2015 3:42 PM PLOT BY : FERK, ANDREW C PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49









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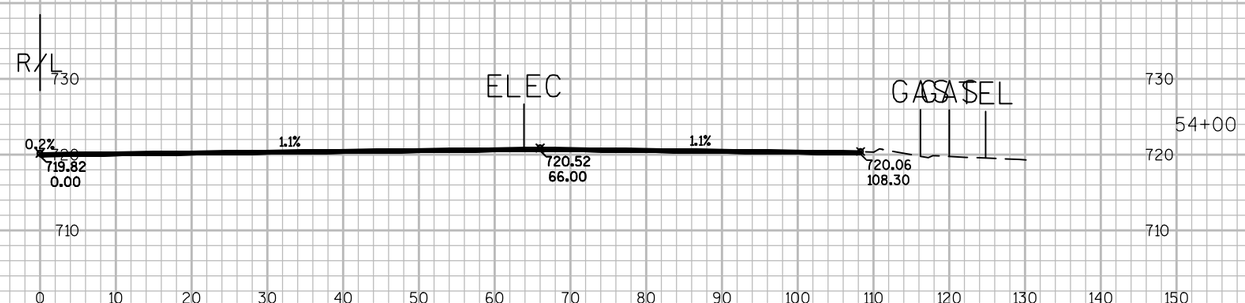
PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	CROSS SECTIONS: LOT #40-55 (IH 94 & 76TH ST.)	SHEET 314	E

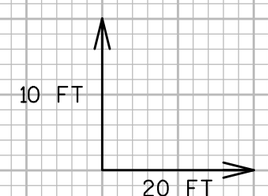
FILE NAME : N:\PDS\C3D\10000400\DESIGN\LOT NO 40-55 IH 94 AND 76TH ST\CORRIDORS\CORRIDOR-LOT 40-55.DWG
LAYOUT NAME - SECTION SHEET - (3)XRT

PLOT DATE : 11/13/2015 3:42 PM PLOT BY : FERK, ANDREW C PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49







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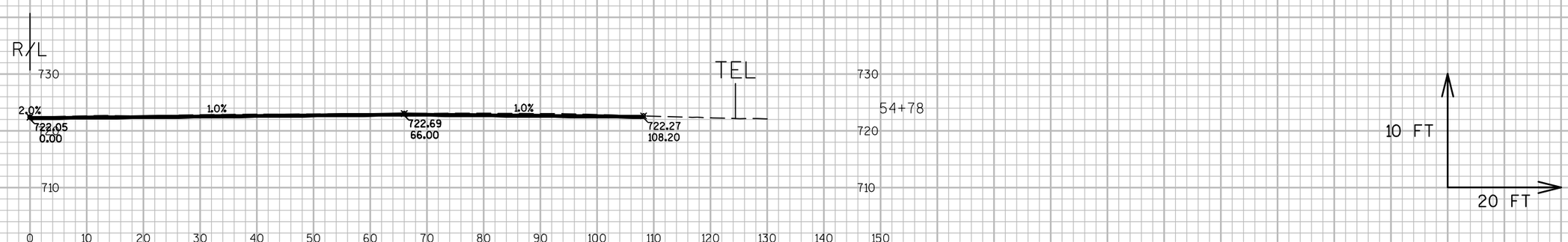
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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	CROSS SECTIONS: LOT #40-55 (IH 94 & 76TH ST.)	SHEET 315	E

FILE NAME : N:\PDS\C3D\10000400\DESIGN\LOT NO 40-55 IH 94 AND 76TH ST\CORRIDORS\CORRIDOR-LOT 40-55.DWG
LAYOUT NAME - SECTION SHEET - (4)XRT

PLOT DATE : 11/13/2015 3:42 PM PLOT BY : FERK, ANDREW C PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



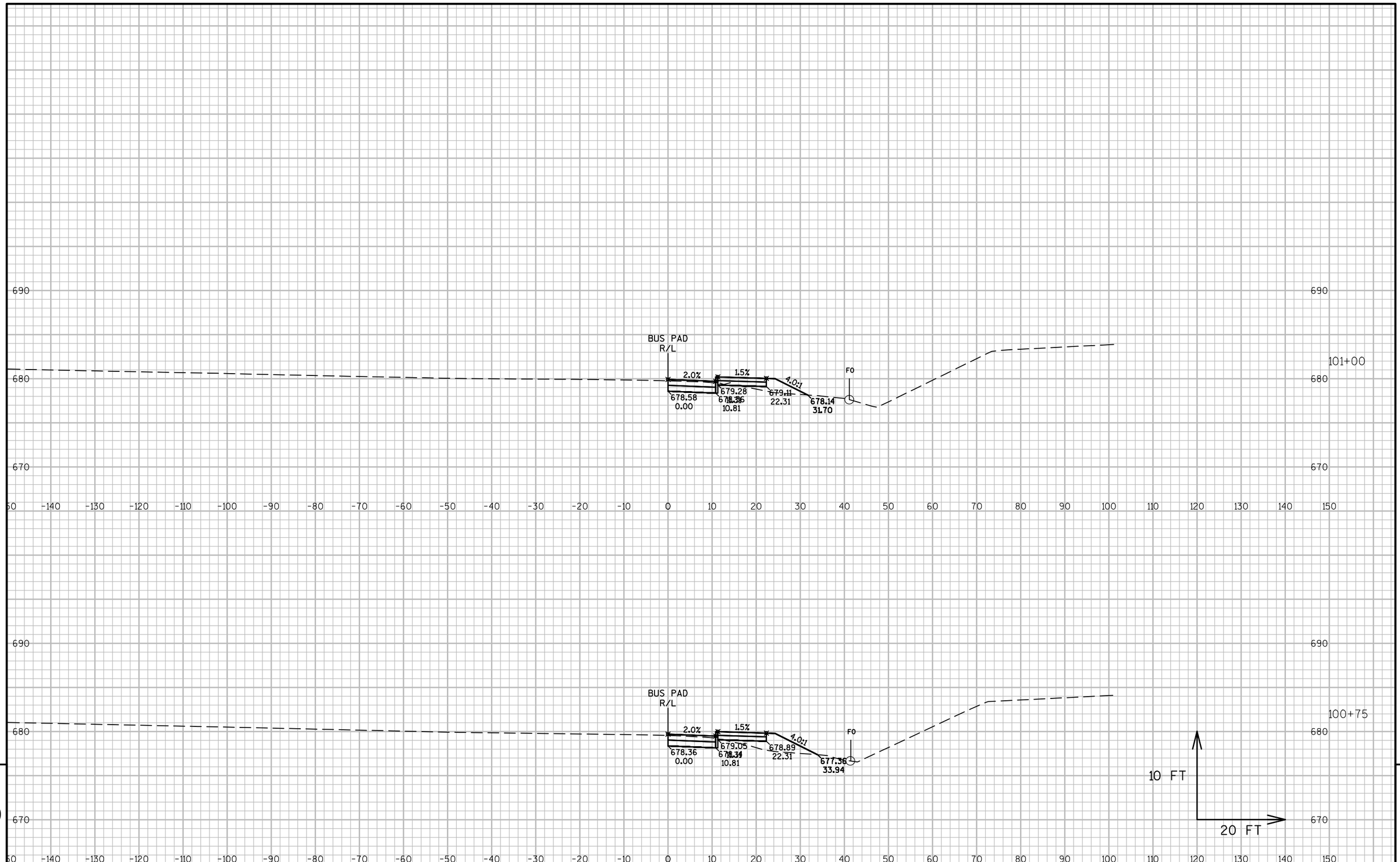
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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: MILWAUKEE	CROSS SECTIONS: LOT #40-55 (IH 94 & 76TH ST.)	SHEET 316	E

FILE NAME : N:\PDS\C3D\10000400\DESIGN\LOT NO 40-55 IH 94 AND 76TH ST\CORRIDORS\CORRIDOR-LOT 40-55.DWG
LAYOUT NAME - SECTION SHEET - (5)XRT

PLOT DATE : 11/13/2015 3:42 PM PLOT BY : FERK, ANDREW C PLOT NAME : PLOT SCALE : 1 IN:20 FT

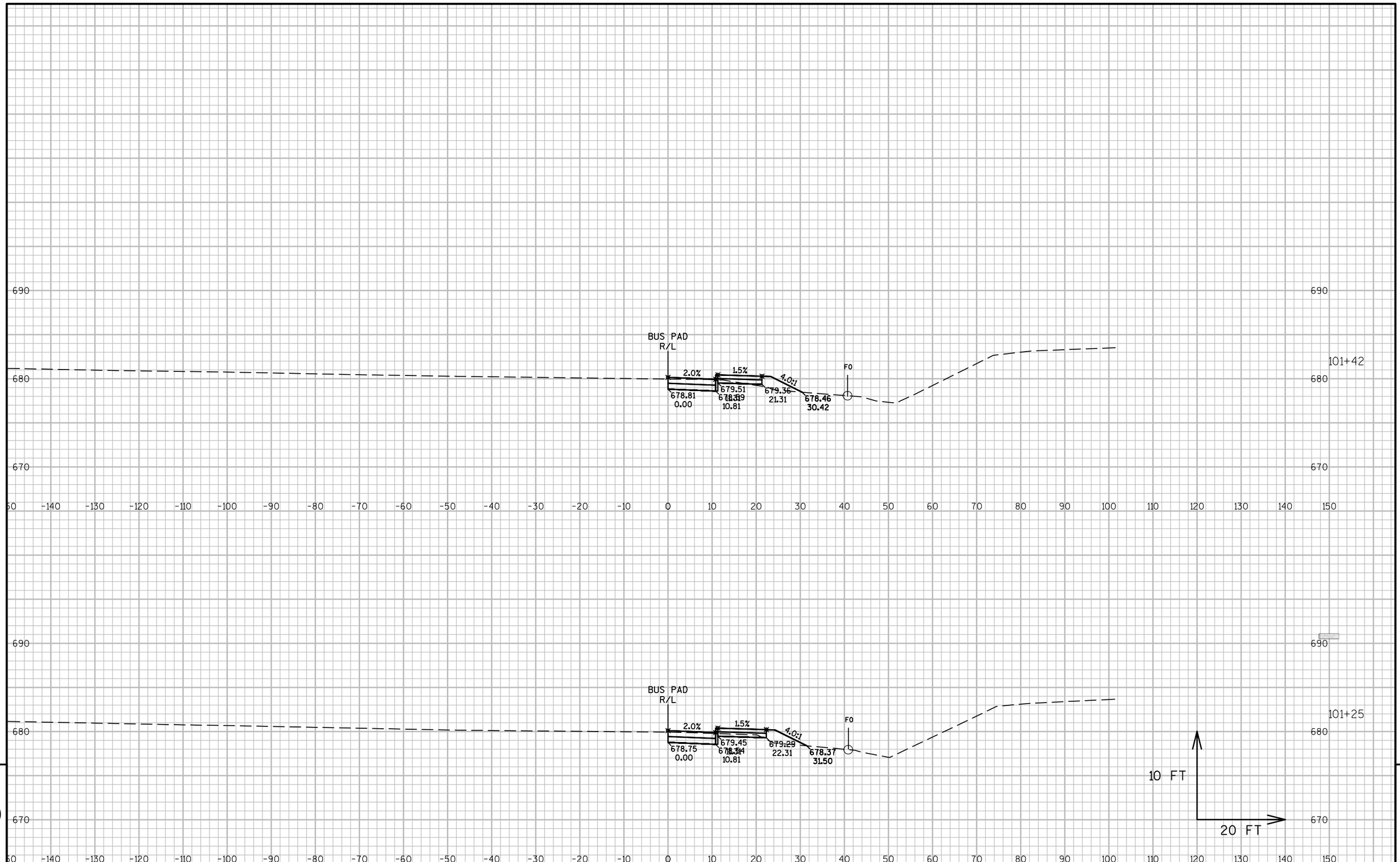


PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	CROSS SECTIONS: LOT #45-20 (IH-43 & CTH C)	SHEET 317 E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 45-20 IH 43 AND CTH C\CORRIDORS\CORRIDOR-LOT 45-20.DWG
LAYOUT NAME - SECTION SHEET - (1)

PLOT DATE : 7/6/2016 11:01 AM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



9

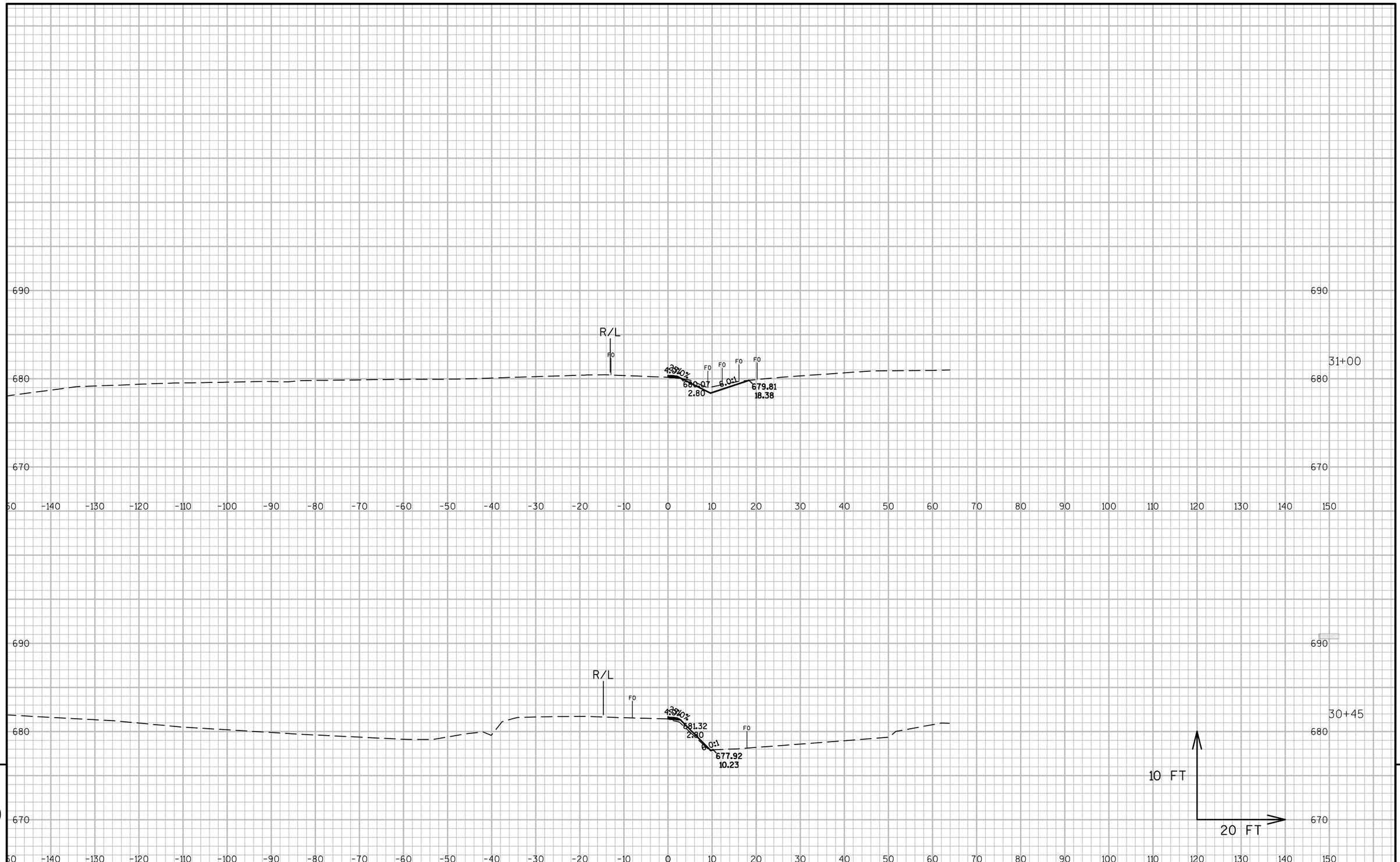
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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	CROSS SECTIONS: LOT #45-20 (IH-43 & CTH C)	SHEET 318	E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 45-20 IH 43 AND CTH C\CORRIDORS\CORRIDOR-LOT 45-20.DWG
LAYOUT NAME - SECTION SHEET - (2)

PLOT DATE : 7/6/2016 11:01 AM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



9

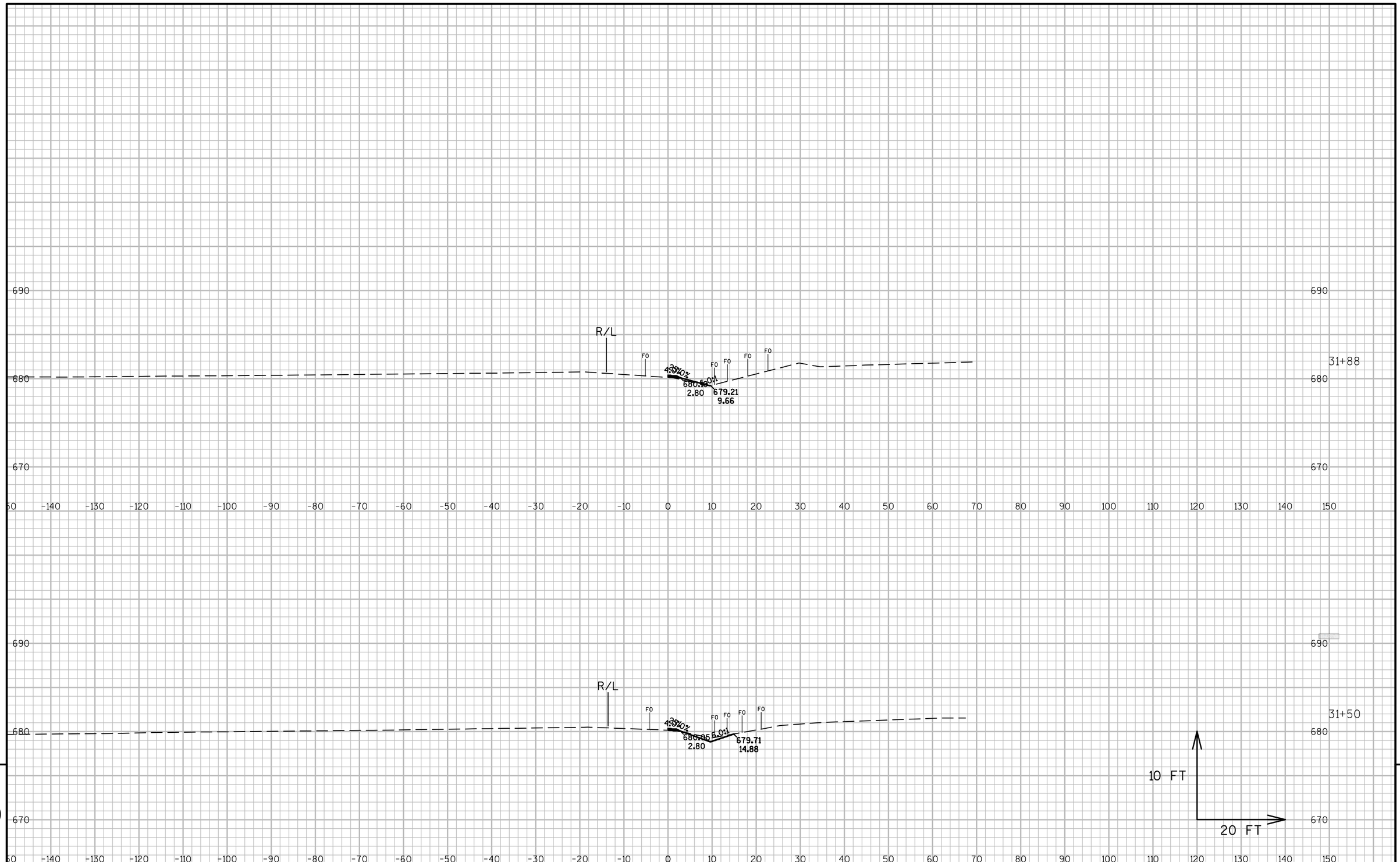
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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	CROSS SECTIONS: LOT #45-20 (IH-43 & CTH C)	SHEET 319 E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 45-20 IH 43 AND CTH C\CORRIDORS\CORRIDOR-LOT 45-20.DWG
LAYOUT NAME - SECTION SHEET - (3)

PLOT DATE : 7/6/2016 11:01 AM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



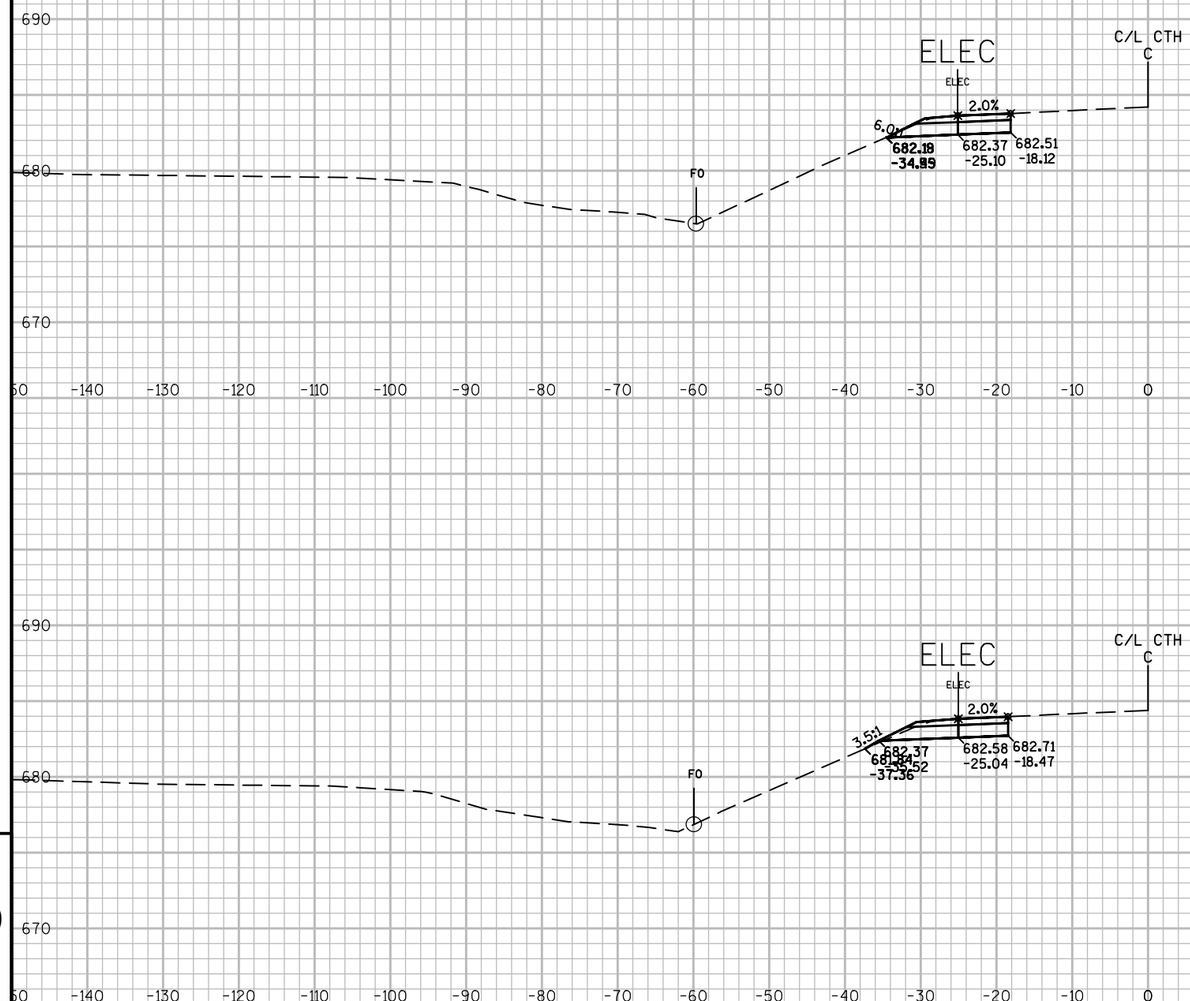
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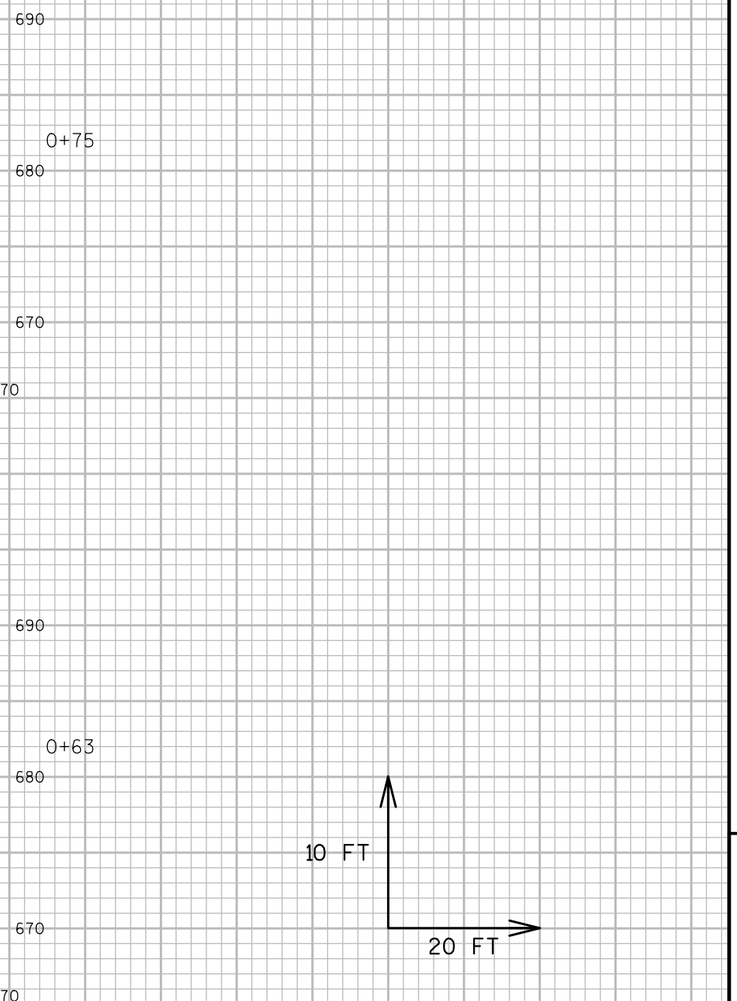
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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	CROSS SECTIONS: LOT #45-20 (IH-43 & CTH C)	SHEET 320	E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 45-20 IH 43 AND CTH C\CORRIDORS\CORRIDOR-LOT 45-20.DWG
LAYOUT NAME - SECTION SHEET - (4)

PLOT DATE : 7/6/2016 11:01 AM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT





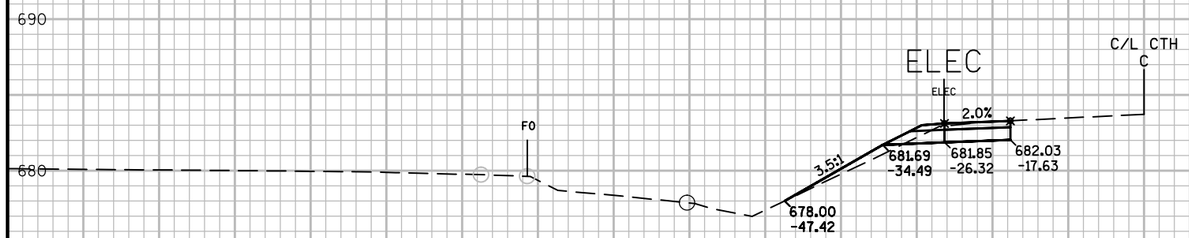
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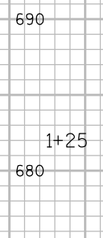
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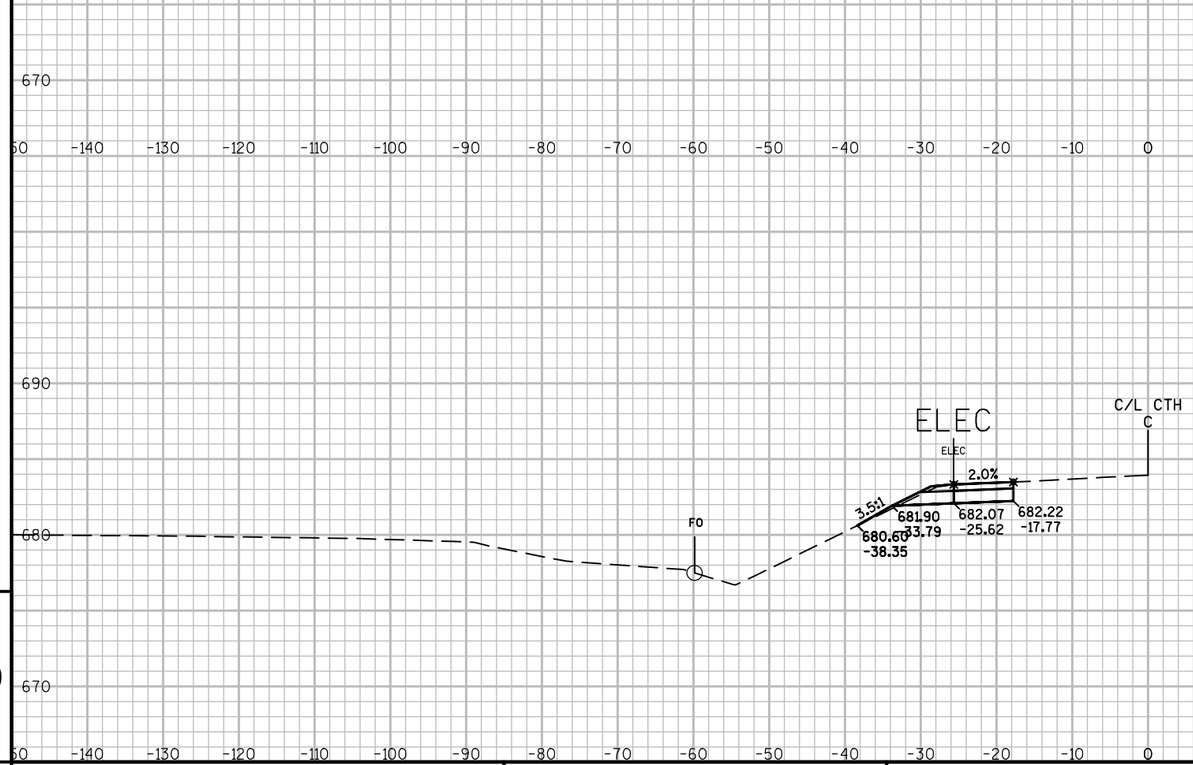
PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	CROSS SECTIONS: LOT #45-20 (IH-43 & CTH C)	SHEET 321	E

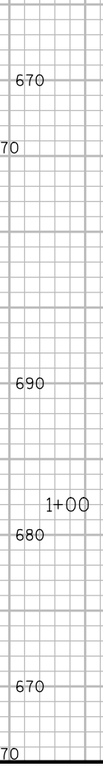
FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 45-20 IH 43 AND CTH C\CORRIDORS\CORRIDOR-LOT 45-20.DWG
LAYOUT NAME - SECTION SHEET - (1)CTH C

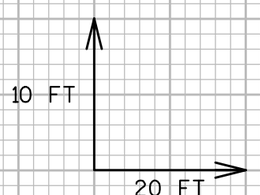
PLOT DATE : 7/6/2016 11:01 AM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT











9

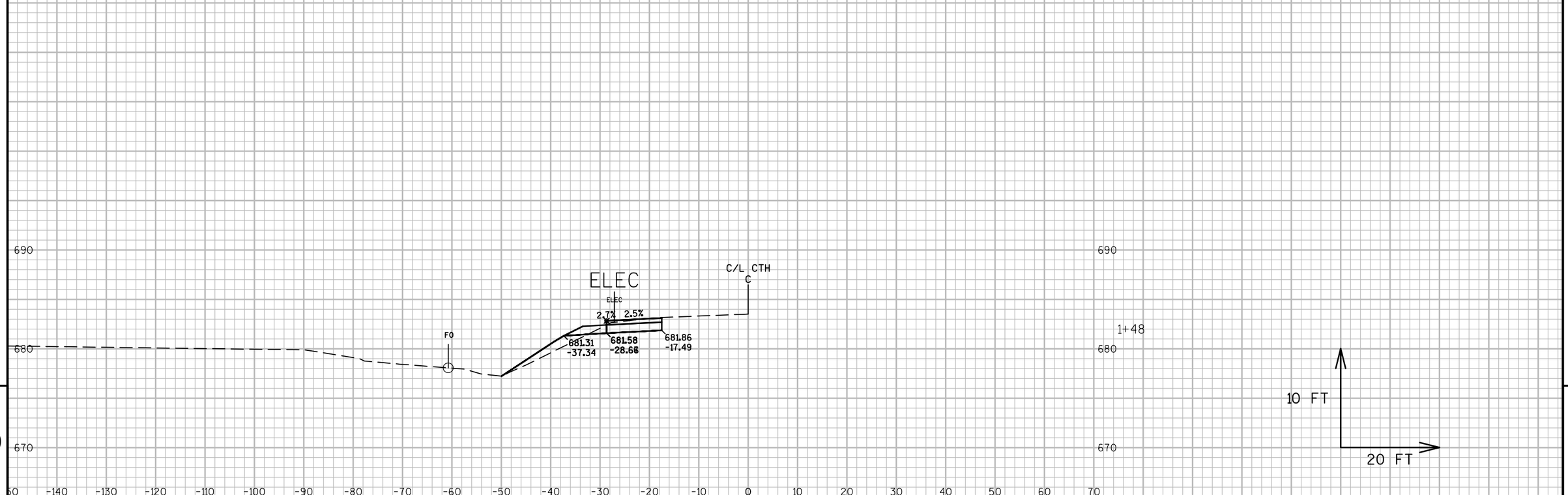
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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	CROSS SECTIONS: LOT #45-20 (IH-43 & CTH C)	SHEET 322	E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 45-20 IH 43 AND CTH C\CORRIDORS\CORRIDOR-LOT 45-20.DWG
LAYOUT NAME - SECTION SHEET - (2)CTH C

PLOT DATE : 7/6/2016 11:01 AM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



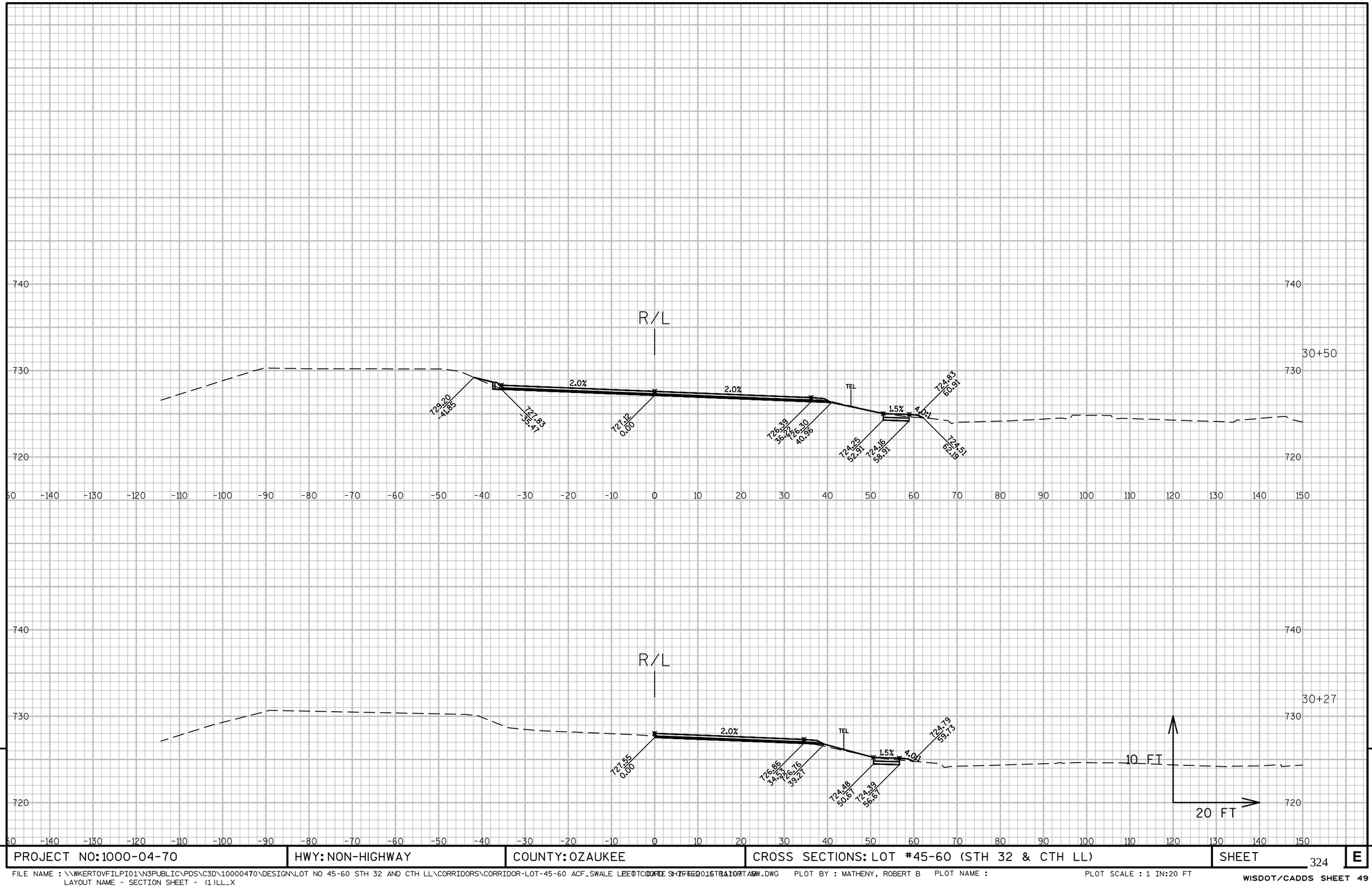
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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	CROSS SECTIONS: LOT #45-20 (IH-43 & CTH C)	SHEET 323	E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 45-20 IH 43 AND CTH C\CORRIDORS\CORRIDOR-LOT 45-20.DWG
LAYOUT NAME - SECTION SHEET - (3)CTH C

PLOT DATE : 7/6/2016 11:01 AM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT

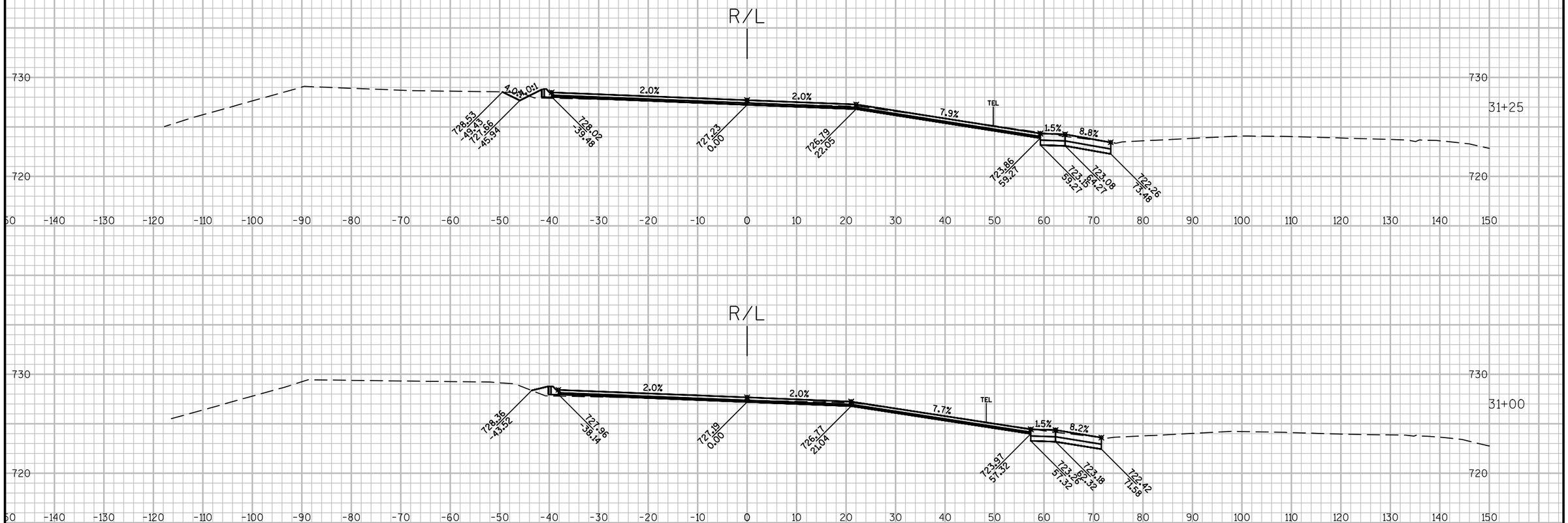


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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	CROSS SECTIONS: LOT #45-60 (STH 32 & CTH LL)	SHEET 324	E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 45-60 STH 32 AND CTH LL\CORRIDORS\CORRIDOR-LOT-45-60 ACF_SWALE LEFT.DWG PLOT DATE : 7/5/2016 PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - SECTION SHEET - (1)LL_X



9

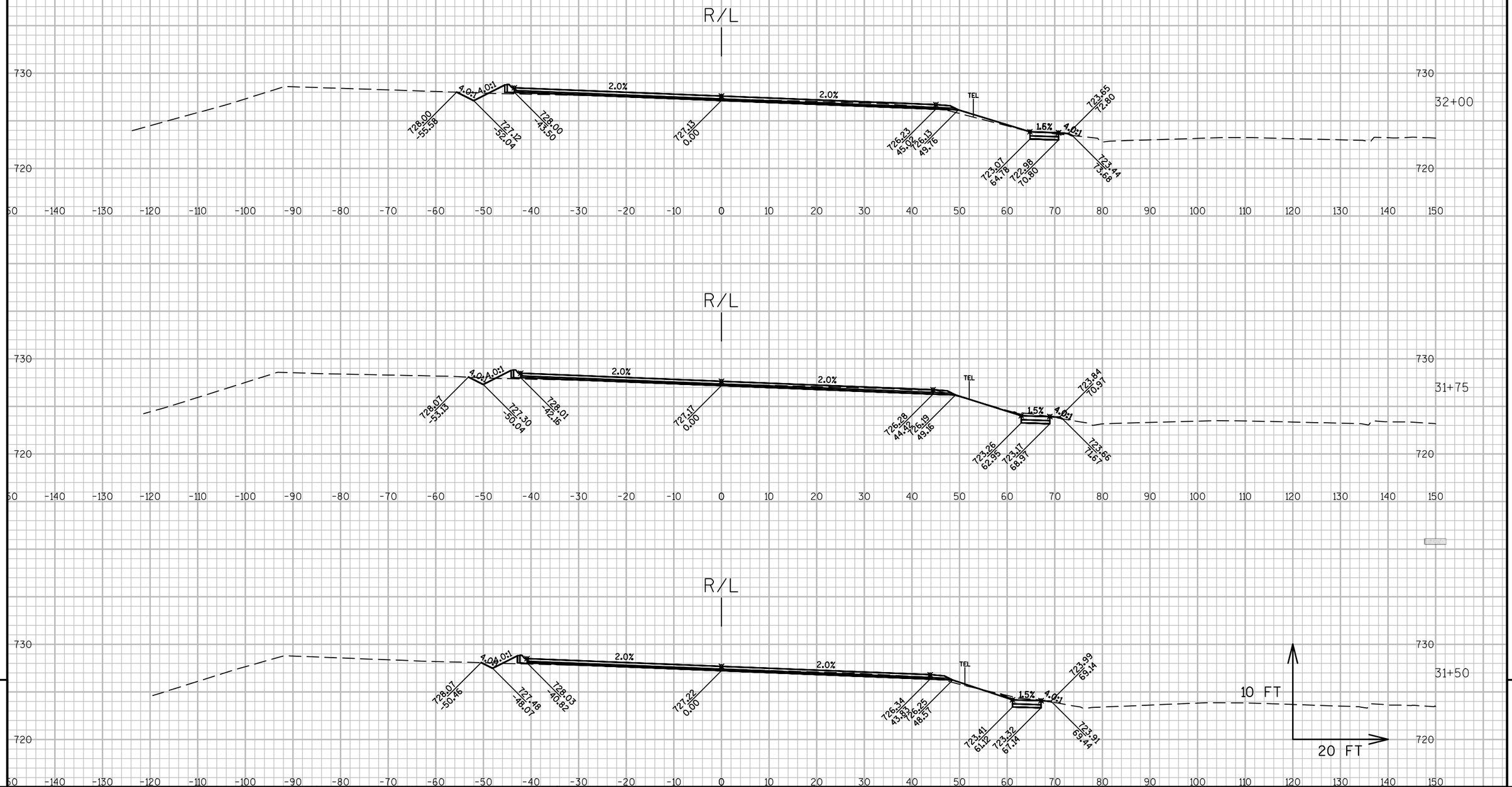
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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	CROSS SECTIONS: LOT #45-60 (STH 32 & CTH LL)	SHEET 325	E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 45-60 STH 32 AND CTH LL\CORRIDORS\CORRIDOR-LOT-45-60 ACF_SWALE LEFT CORRIDOR SHEETS 2016 RIGHT.DWG PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT

LAYOUT NAME - SECTION SHEET - (2)LL_X

WISDOT/CADDS SHEET 49

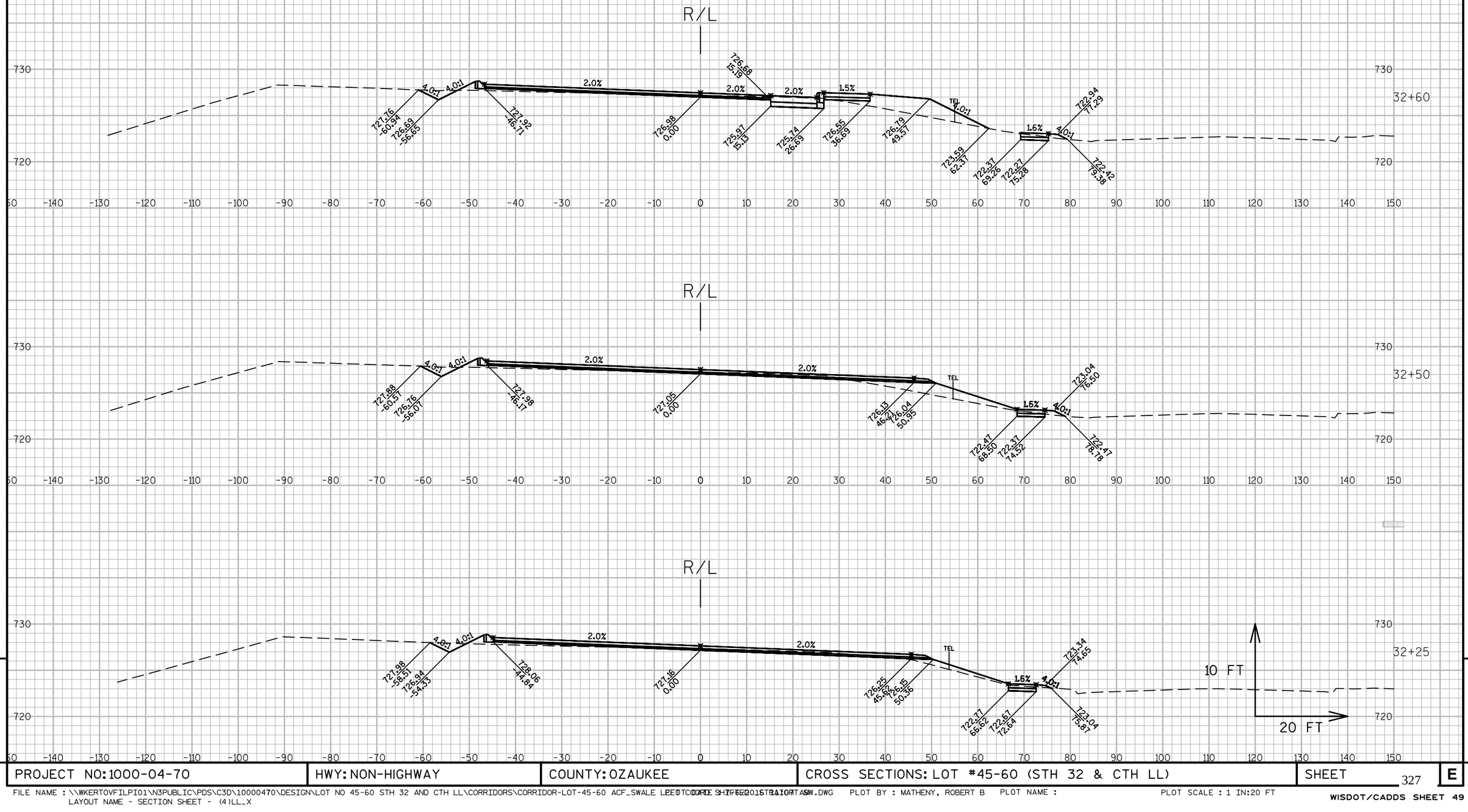


9

9

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	CROSS SECTIONS: LOT #45-60 (STH 32 & CTH LL)	SHEET 326	E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 45-60 STH 32 AND CTH LL\CORRIDORS\CORRIDOR-LOT-45-60 ACF_SWALE LEFT.DWG PLOT DATE : 7/5/2016 PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - SECTION SHEET - (3)LL_X



9

9

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	CROSS SECTIONS: LOT #45-60 (STH 32 & CTH LL)	SHEET 327	E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 45-60 STH 32 AND CTH LL\CORRIDORS\CORRIDOR-LOT-45-60 ACF_SWALE LEFT CORRIDOR SHEETS 2016 RAIN TABLE.DWG PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - SECTION SHEET - (4)LL_X

WISDOT/CADDS SHEET 49

9

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	CROSS SECTIONS: LOT #45-60 (STH 32 & CTH LL)	SHEET 328	E

9

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 45-60 STH 32 AND CTH LL\CORRIDORS\CORRIDOR-LOT-45-60 ACF_SWALE LEFT.DWG PLOT DATE : 7/5/2016 PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - SECTION SHEET - (5)LL_X

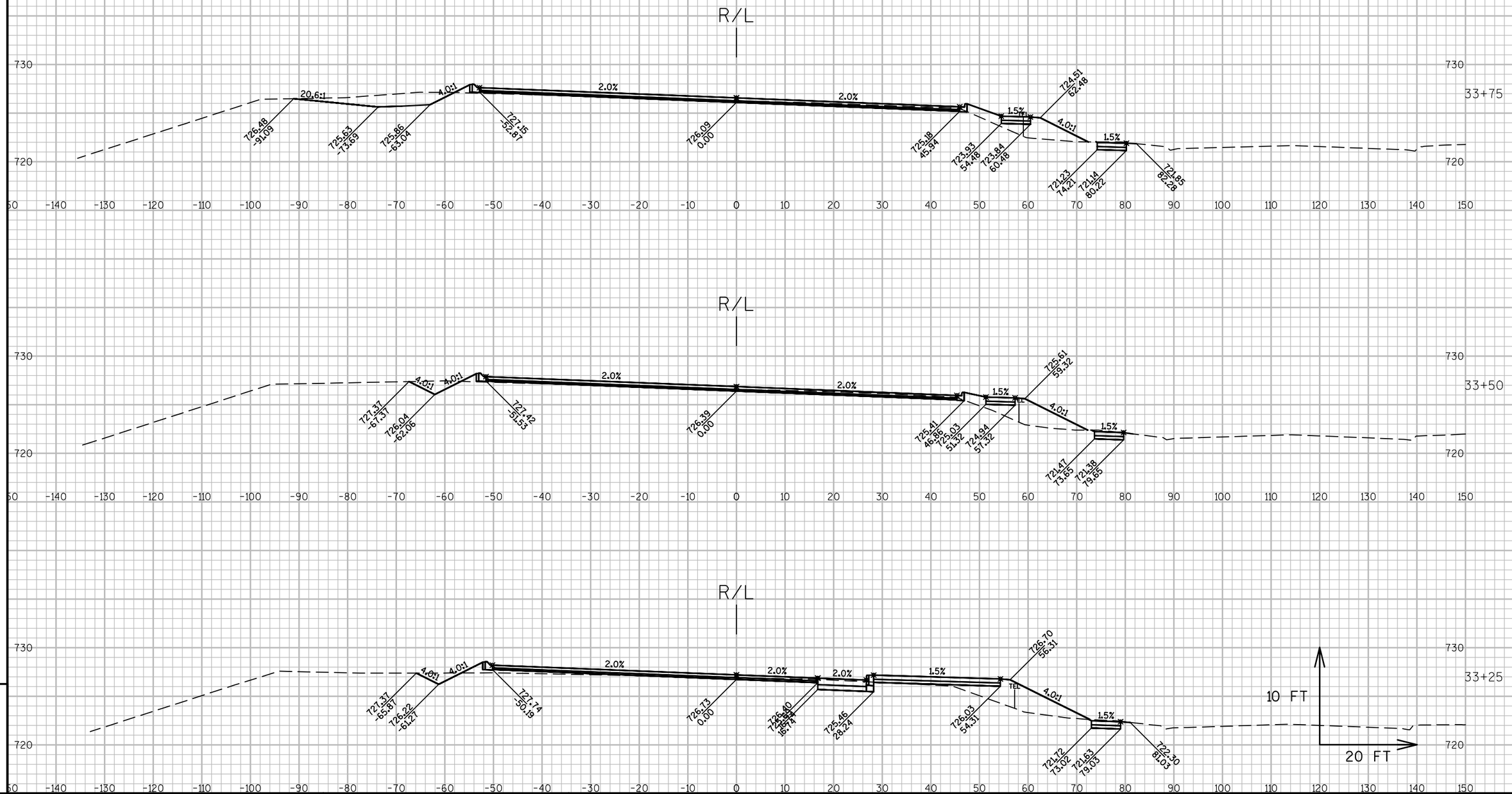
WISDOT/CADDS SHEET 49

9

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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	CROSS SECTIONS: LOT #45-60 (STH 32 & CTH LL)	SHEET 329	E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 45-60 STH 32 AND CTH LL\CORRIDORS\CORRIDOR-LOT-45-60 ACF_SWALE LEFT.DWG PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - SECTION SHEET - (6)LL_X
LEFT CORRIDOR SHEETS 2016 STRATA.DWG



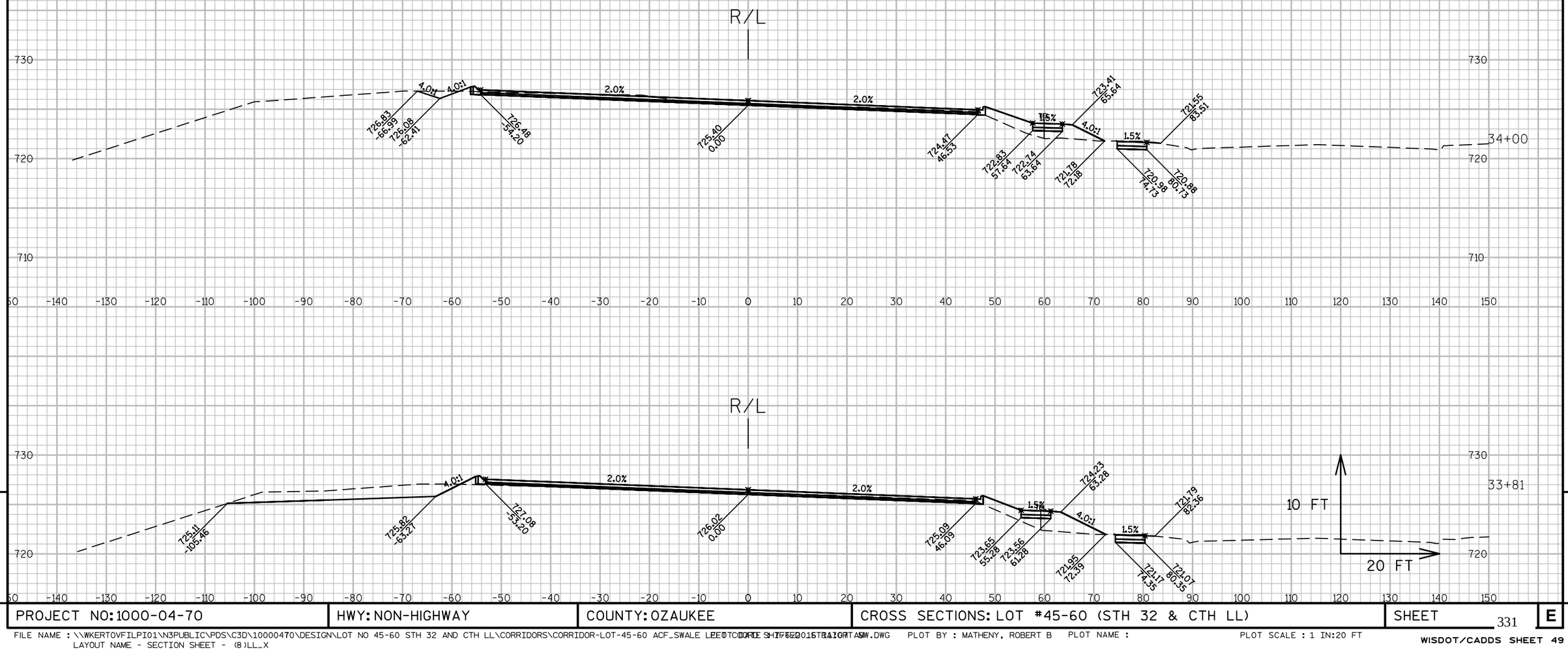
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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	CROSS SECTIONS: LOT #45-60 (STH 32 & CTH LL)	SHEET 330	E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 45-60 STH 32 AND CTH LL\CORRIDORS\CORRIDOR-LOT-45-60 ACF_SWALE LEFT CORRIDOR SHEETS 2015 TRAIN TASK.DWG PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - SECTION SHEET - (7)LL_X

WISDOT/CADDS SHEET 49

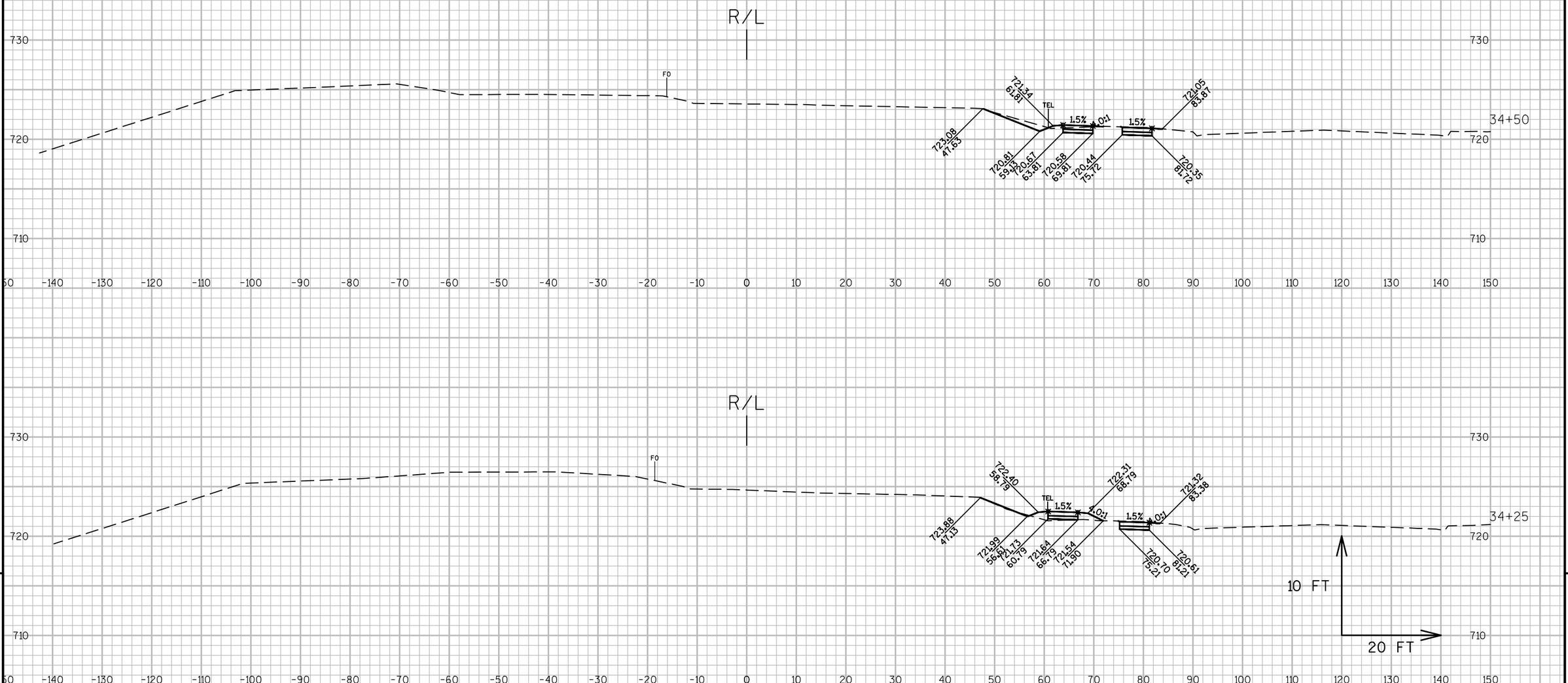


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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	CROSS SECTIONS: LOT #45-60 (STH 32 & CTH LL)	SHEET 331 E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 45-60 STH 32 AND CTH LL\CORRIDORS\CORRIDOR-LOT-45-60 ACF_SWALE LEFTCOPY OF SHEET 2016 TRAIL.DWG PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - SECTION SHEET - (8)LL_X

WISDOT/CADDS SHEET 49



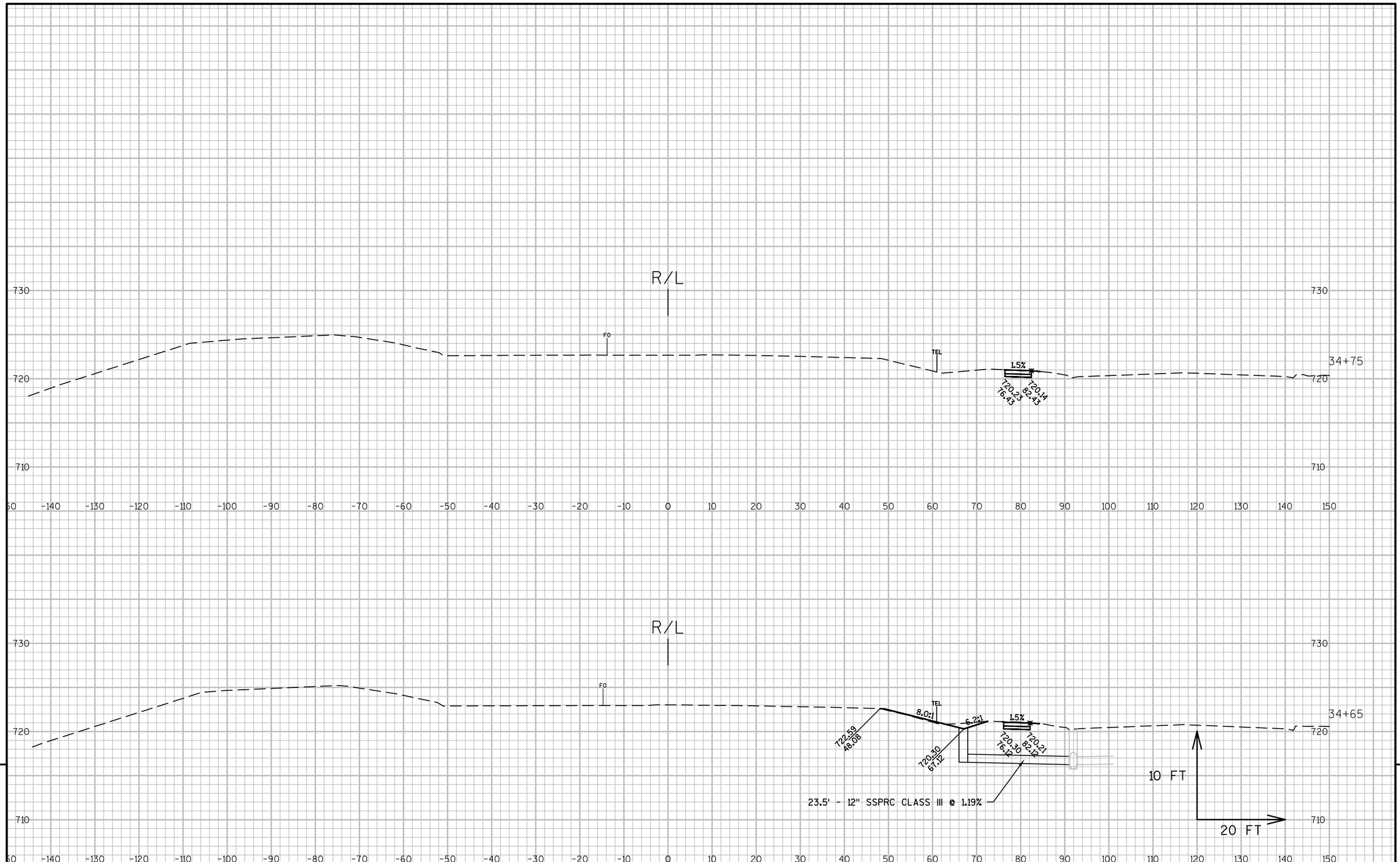
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9

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	CROSS SECTIONS: LOT #45-60 (STH 32 & CTH LL)	SHEET 332 E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 45-60 STH 32 AND CTH LL\CORRIDORS\CORRIDOR-LOT-45-60 ACF_SWALE LEFT CORRIDOR SHEETS 2016 RAIGHT ASW.DWG PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - SECTION SHEET - (9)LL_X

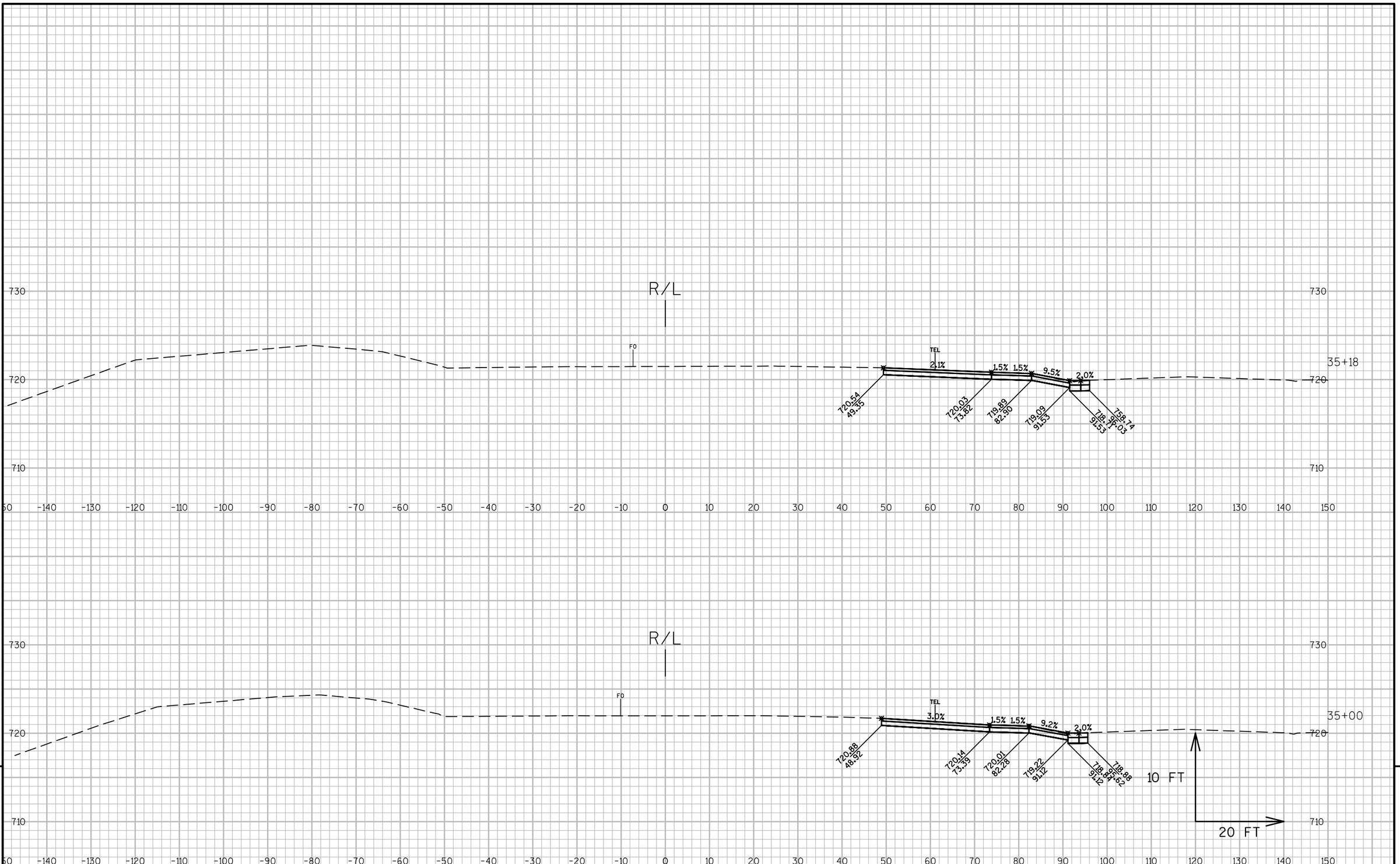
WISDOT/CADDS SHEET 49



9 9

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	CROSS SECTIONS: LOT #45-60 (STH 32 & CTH LL)	SHEET 333 E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 45-60 STH 32 AND CTH LL\CORRIDORS\CORRIDOR-LOT-45-60 ACF_SWALE LEFT CORRIDOR SHEETS 2016 RAIGHT ASW.DWG PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - SECTION SHEET - (10)LL_X



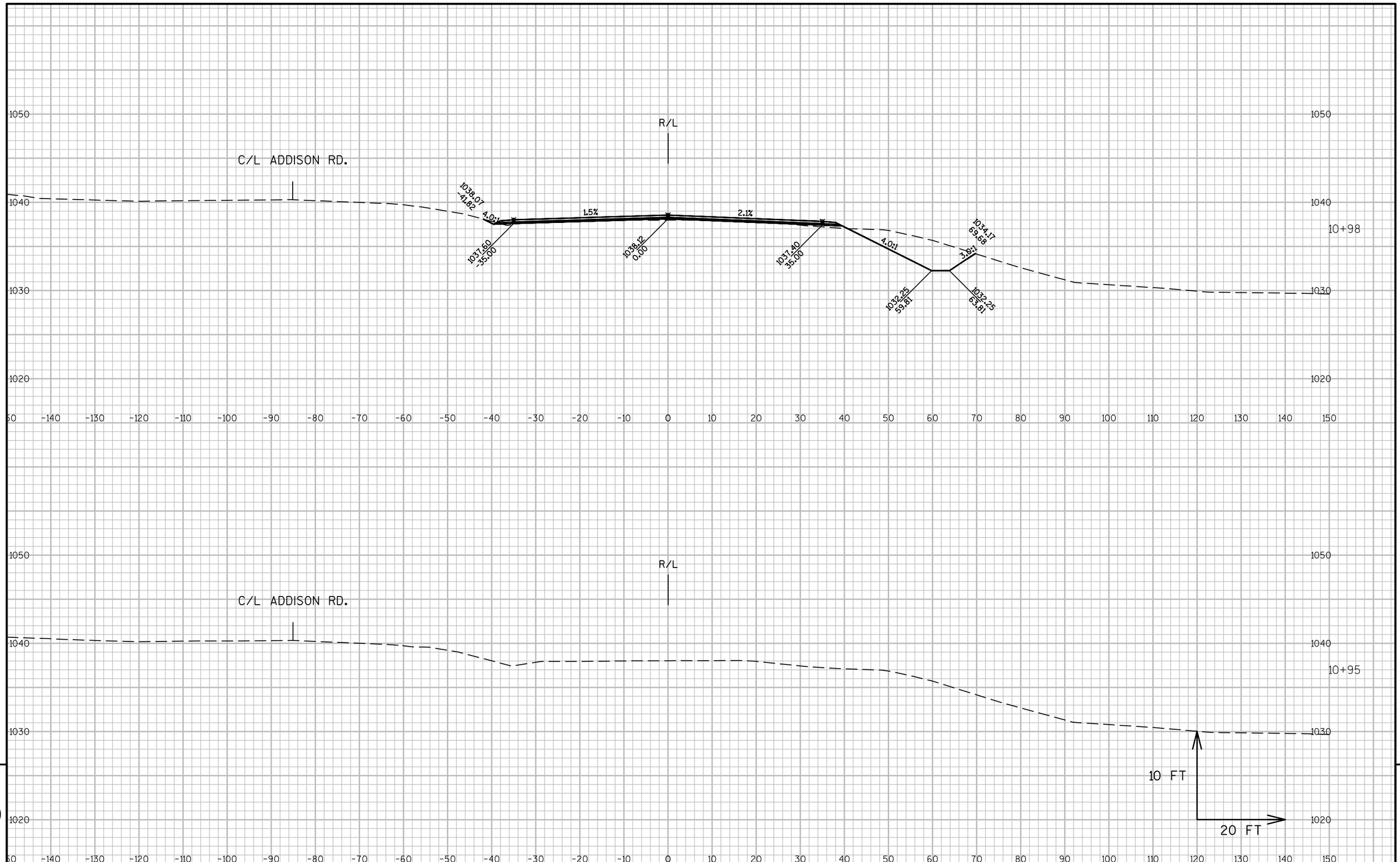
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9

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: OZAUKEE	CROSS SECTIONS: LOT #45-60 (STH 32 & CTH LL)	SHEET 334	E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 45-60 STH 32 AND CTH LL\CORRIDORS\CORRIDOR-LOT-45-60 ACF_SWALE LEFT CORRIDOR SHEETS 2016 RIGHT ASW.DWG PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - SECTION SHEET - (11)LL_X

WISDOT/CADDS SHEET 49

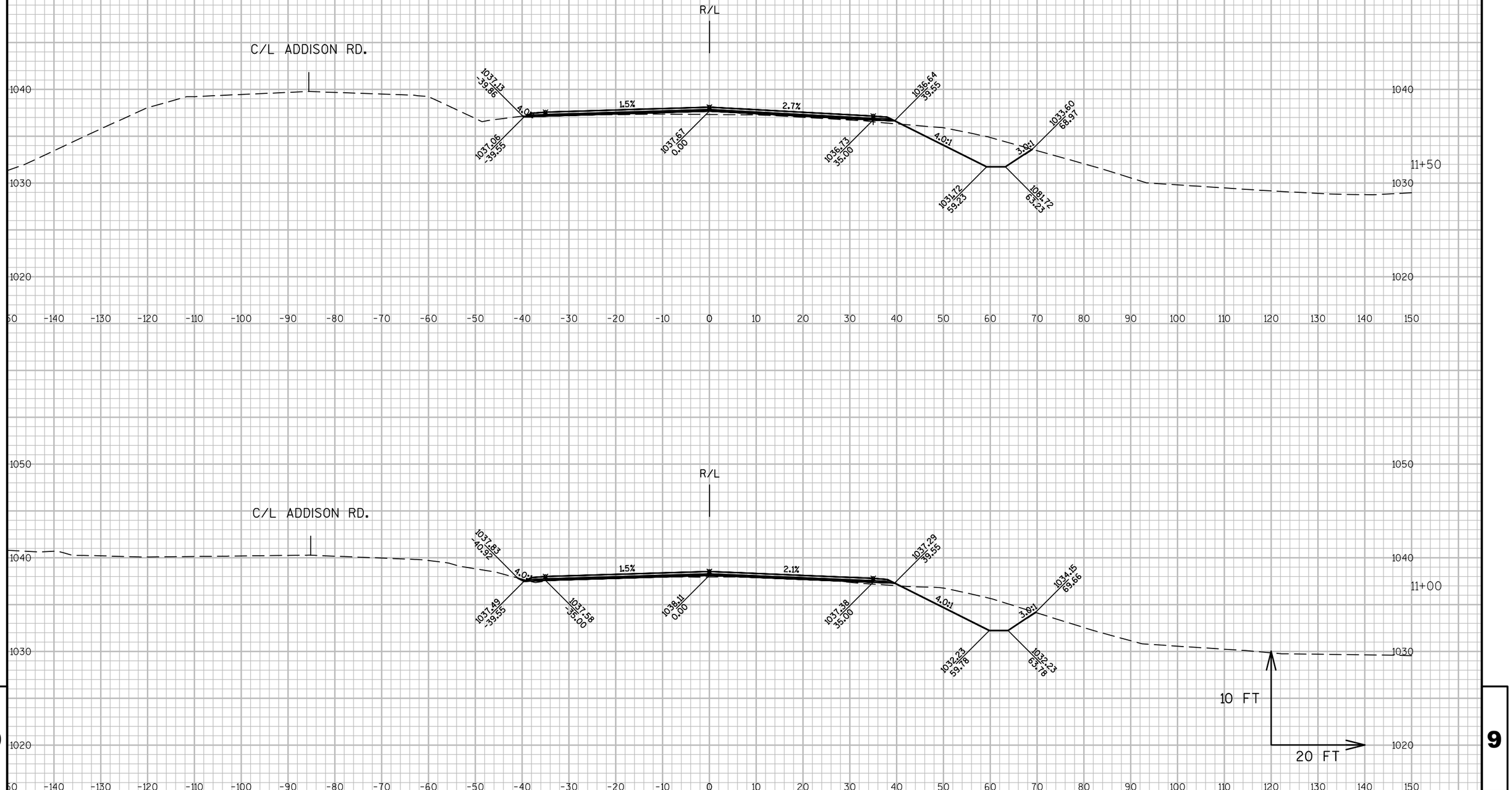


PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	CROSS SECTIONS: LOT #66-50 (IH-41 & CTH K)	SHEET 335 E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 66-50 USH 41 AND CTH K\CORRIDORS\CORRIDOR-LOT 66-50_ACF- RL 5' RIGHT WITH CROWN.DWG 11:36 AM
LAYOUT NAME - SECTION SHEET - (1)41_K

PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

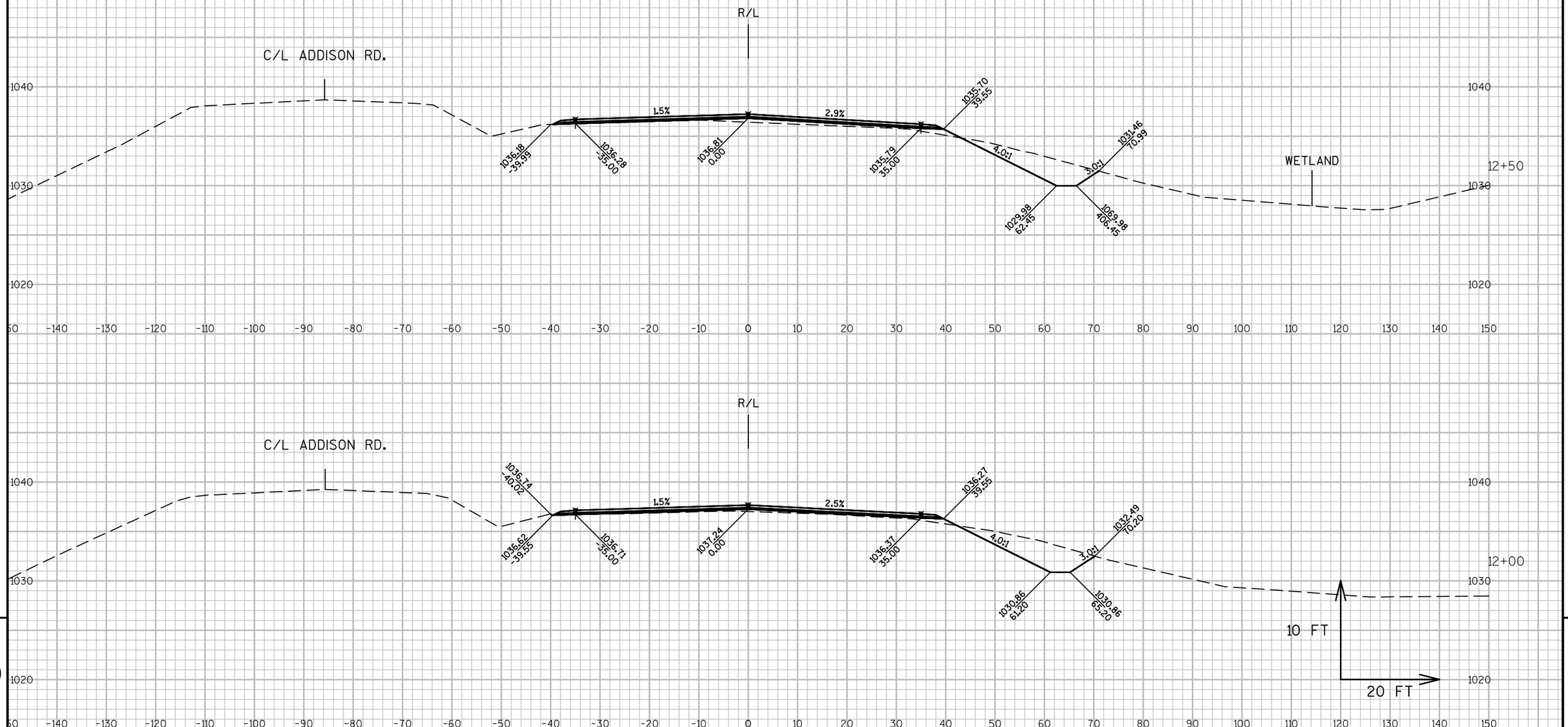


PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	CROSS SECTIONS: LOT #66-50 (IH-41 & CTH K)	SHEET 336 E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 66-50 USH 41 AND CTH K\CORRIDORS\CORRIDOR-LOT 66-50_ACF- RL 5' RIGHT WITH CROWN.DWG 11:36 AM
LAYOUT NAME - SECTION SHEET - (2)41_K

PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

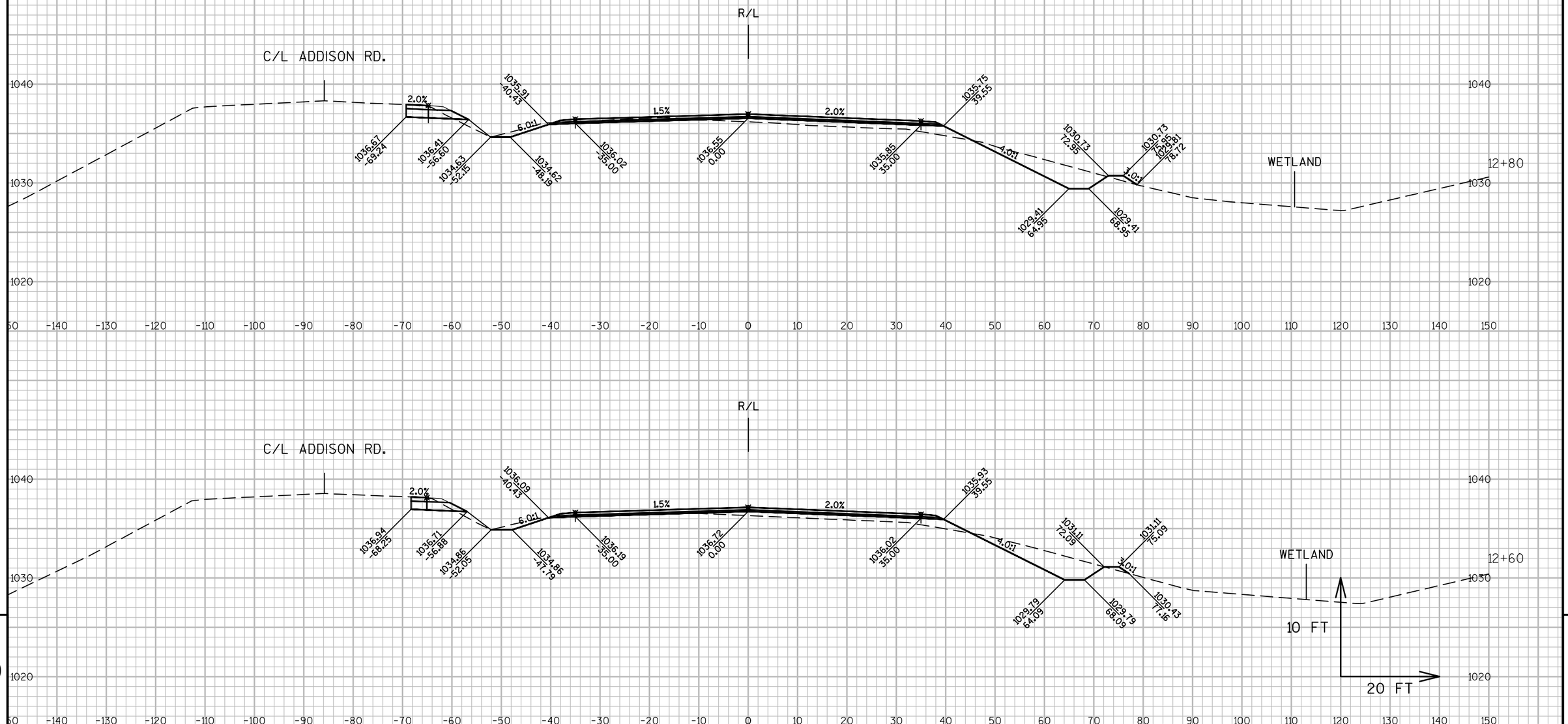


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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	CROSS SECTIONS: LOT #66-50 (IH-41 & CTH K)	SHEET 337 E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 66-50 USH 41 AND CTH K\CORRIDORS\CORRIDOR-LOT 66-50_ACF- RL 5' RIGHT WITH CROWN.DWG 11:36 AM
LAYOUT NAME - SECTION SHEET - (3)41_K
PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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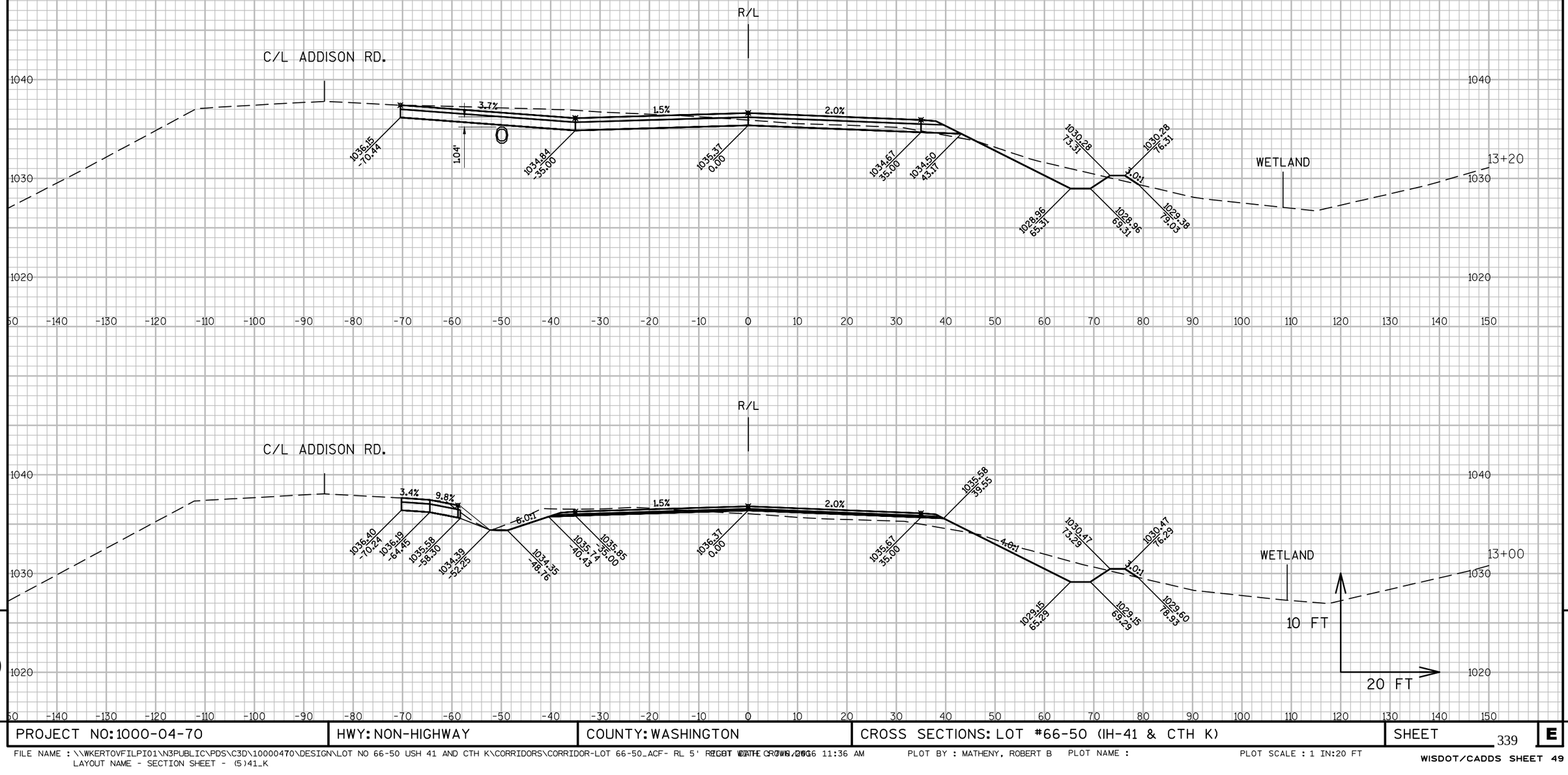
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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	CROSS SECTIONS: LOT #66-50 (IH-41 & CTH K)	SHEET 338 E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 66-50 USH 41 AND CTH K\CORRIDORS\CORRIDOR-LOT 66-50_ACF- RL 5' RIGHT WITH CROWN.DWG 11:36 AM
LAYOUT NAME - SECTION SHEET - (4)41_K

PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

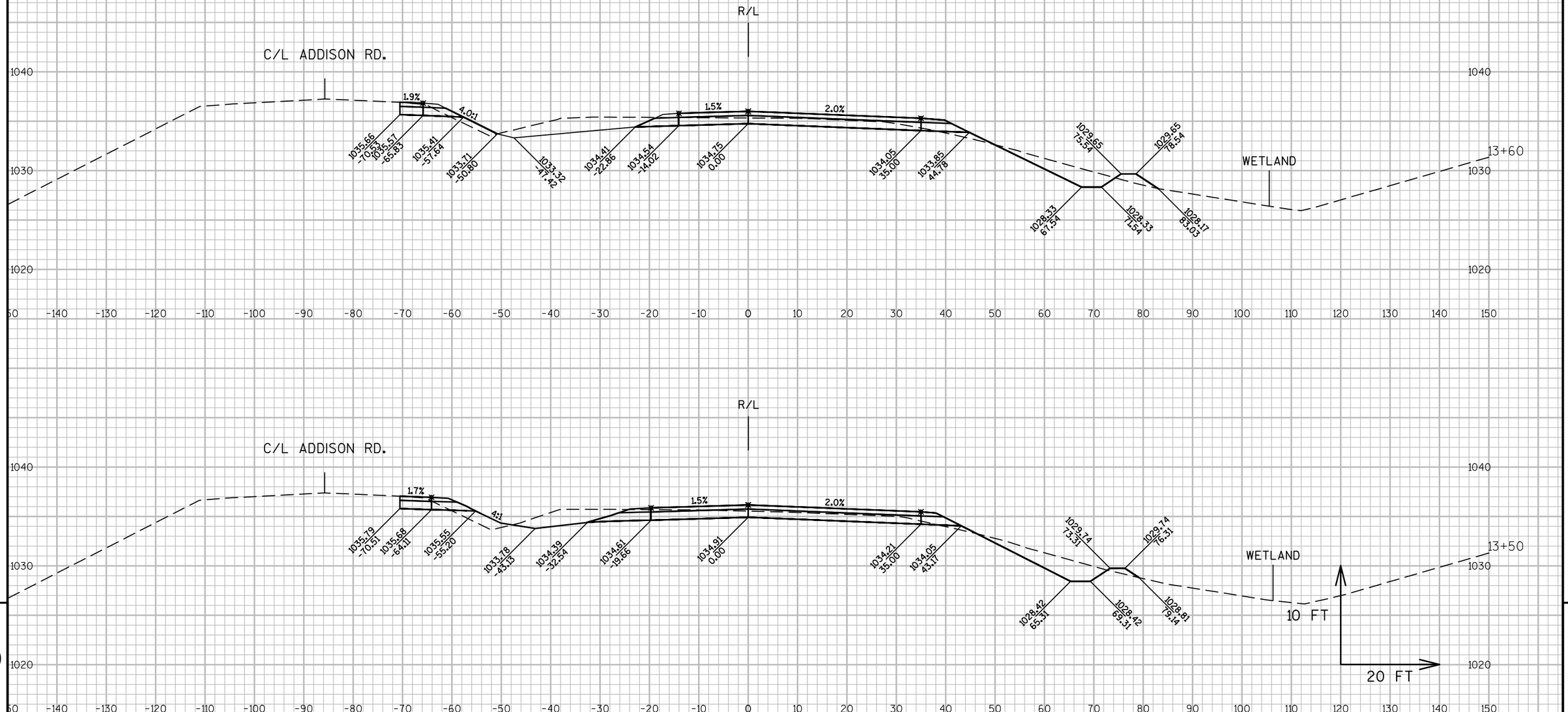


PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	CROSS SECTIONS: LOT #66-50 (IH-41 & CTH K)	SHEET 339 E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 66-50 USH 41 AND CTH K\CORRIDORS\CORRIDOR-LOT 66-50_ACF- RL 5' RIGHT WITH CROWN.DWG 11:36 AM
LAYOUT NAME - SECTION SHEET - (5)41_K

PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



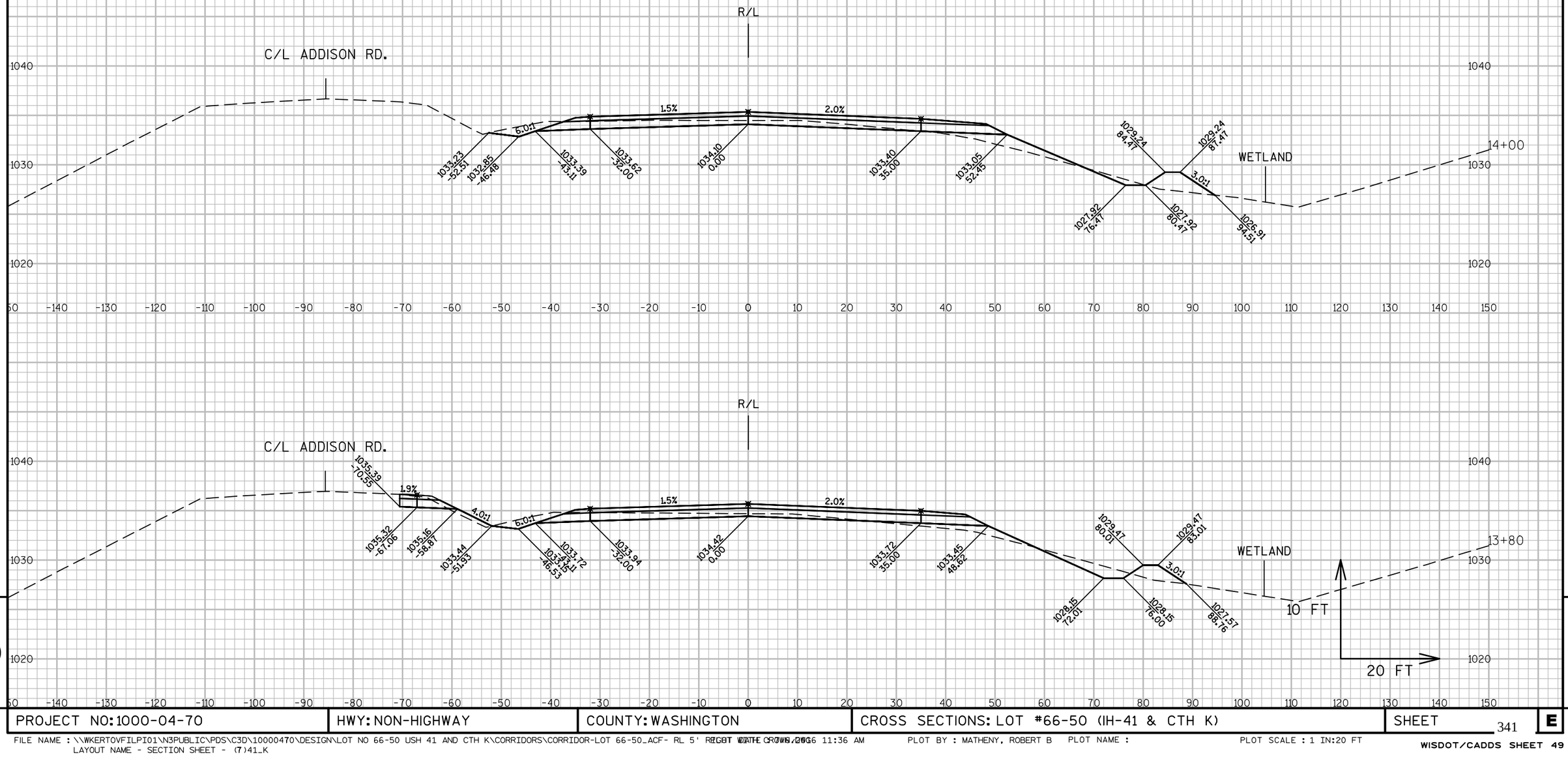
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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	CROSS SECTIONS: LOT #66-50 (IH-41 & CTH K)	SHEET 340	E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 66-50 USH 41 AND CTH K\CORRIDORS\CORRIDOR-LOT 66-50_ACF- RL 5' RIGHT WITH CROWN.DWG
LAYOUT NAME - SECTION SHEET - (6)41_K
PLOT DATE : 7/8/2016 11:36 AM
PLOT BY : MATHENY, ROBERT B
PLOT NAME :
PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

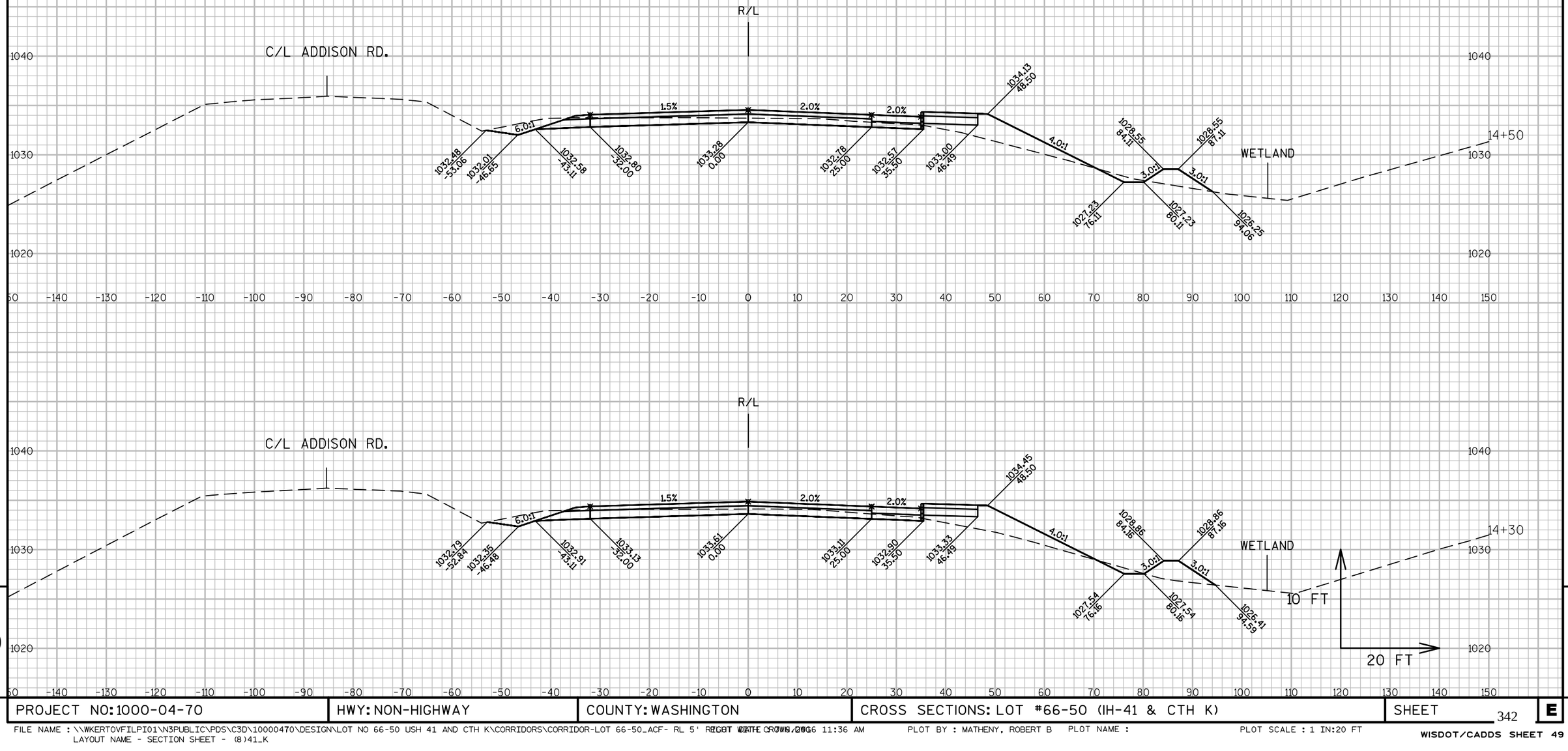


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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	CROSS SECTIONS: LOT #66-50 (IH-41 & CTH K)	SHEET 341 E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 66-50 USH 41 AND CTH K\CORRIDORS\CORRIDOR-LOT 66-50_ACF- RL 5' RIGHT WITH CROWN.DWG PLOT DATE : 7/8/2016 11:36 AM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - SECTION SHEET - (7)41_K

WISDOT/CADDS SHEET 49

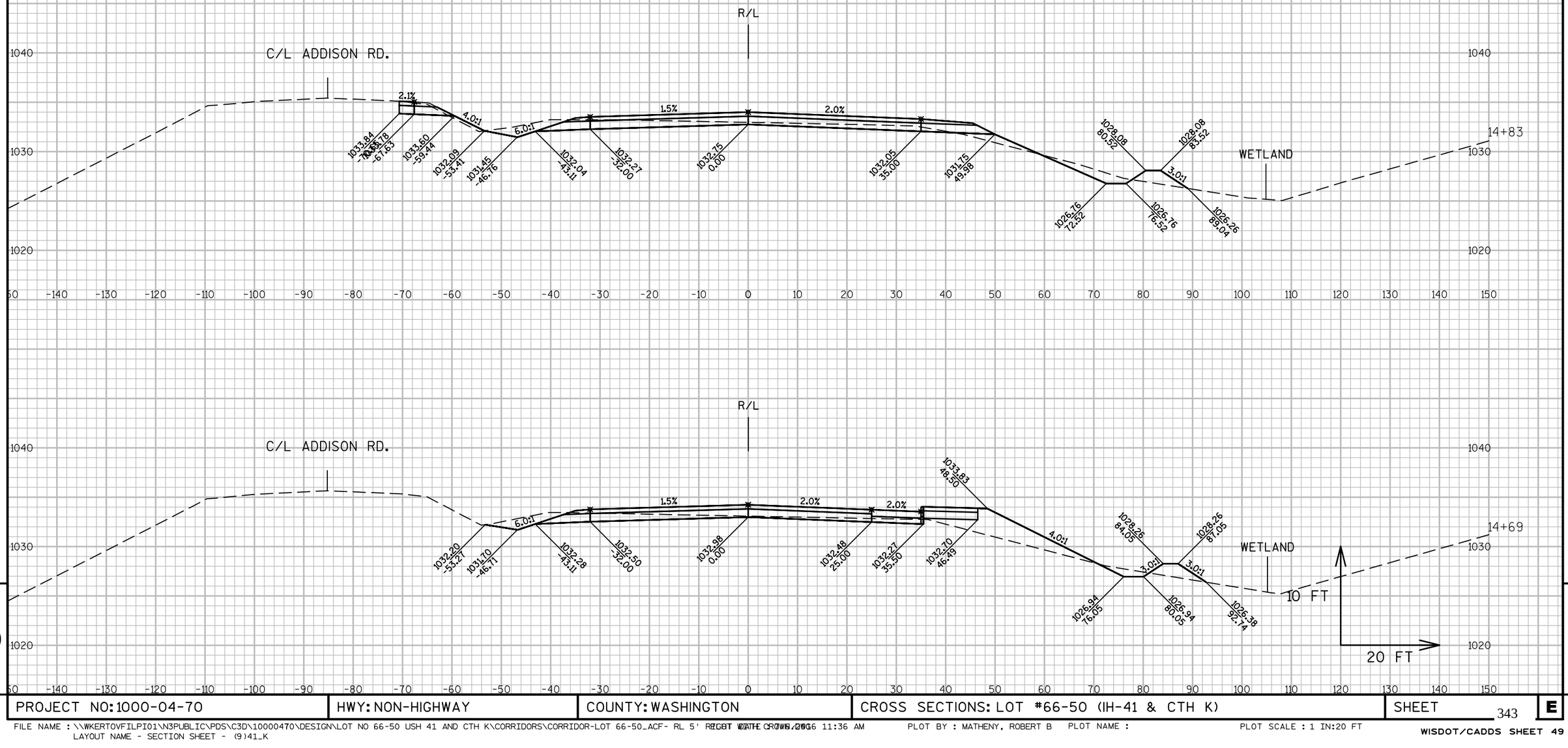


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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	CROSS SECTIONS: LOT #66-50 (IH-41 & CTH K)	SHEET E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 66-50 USH 41 AND CTH K\CORRIDORS\CORRIDOR-LOT 66-50_ACF- RL 5' RIGHT WITH CROWN.DWG 8/2/2016 11:36 AM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - SECTION SHEET - (8)41_K



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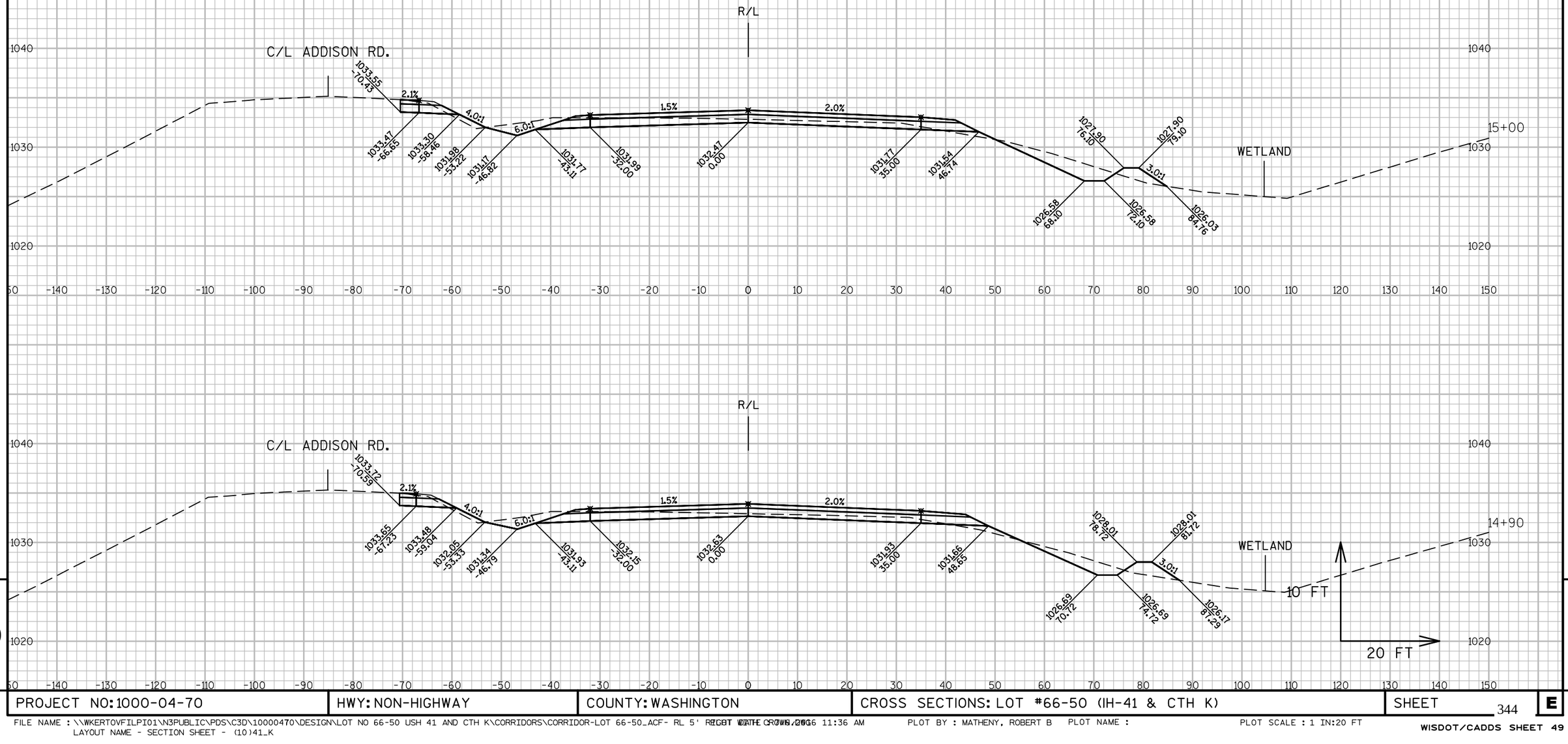
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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	CROSS SECTIONS: LOT #66-50 (IH-41 & CTH K)	SHEET 343	E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 66-50 USH 41 AND CTH K\CORRIDORS\CORRIDOR-LOT 66-50_ACF- RL 5' RIGHT WITH CROWN.DWG 11:36 AM
LAYOUT NAME - SECTION SHEET - (9)41_K

PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

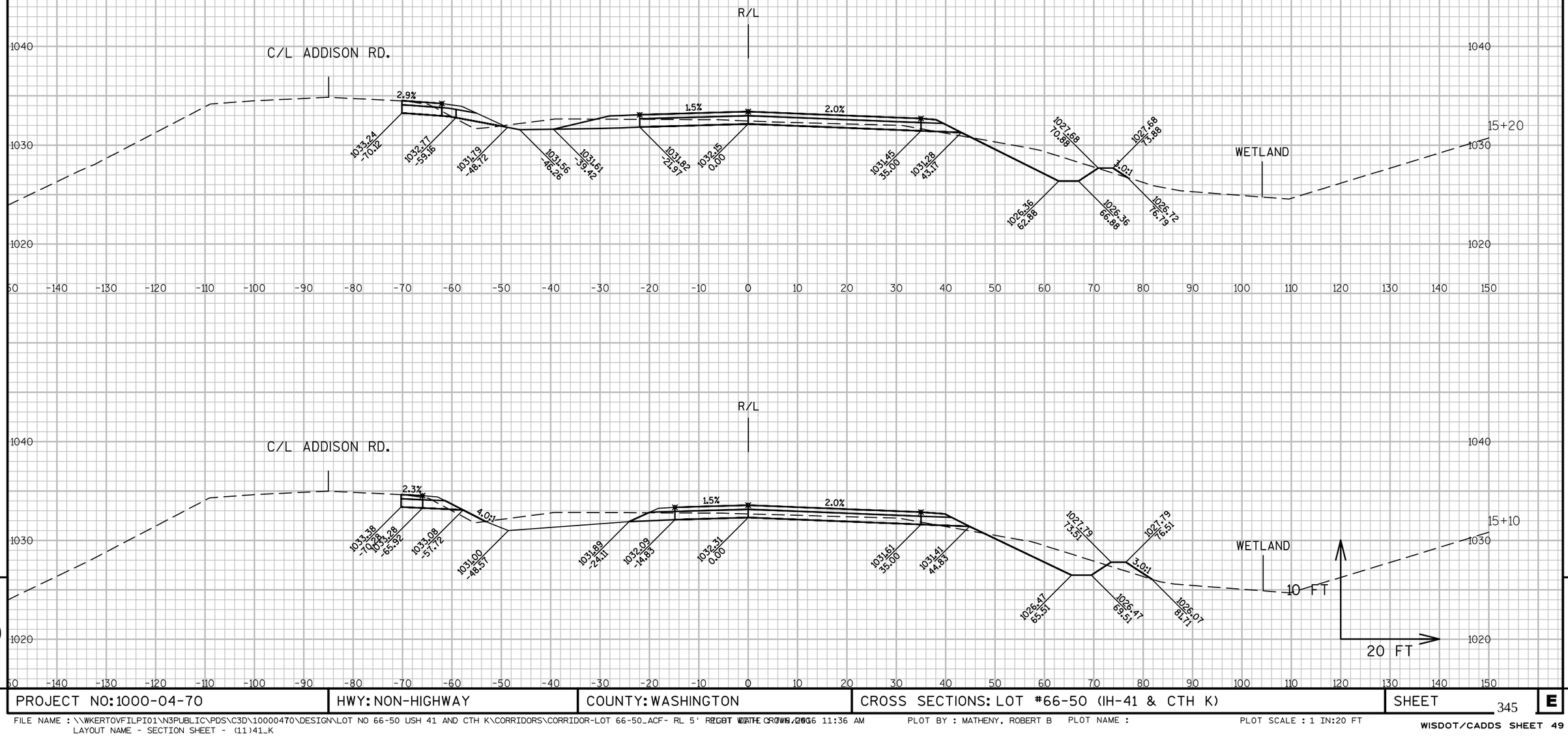


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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	CROSS SECTIONS: LOT #66-50 (IH-41 & CTH K)	SHEET 344	E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 66-50 USH 41 AND CTH K\CORRIDORS\CORRIDOR-LOT 66-50_ACF- RL 5' RIGHT WITH CROWN.DWG
LAYOUT NAME - SECTION SHEET - (10)41_K
PLOTTED : 08/30/2016 11:36 AM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT



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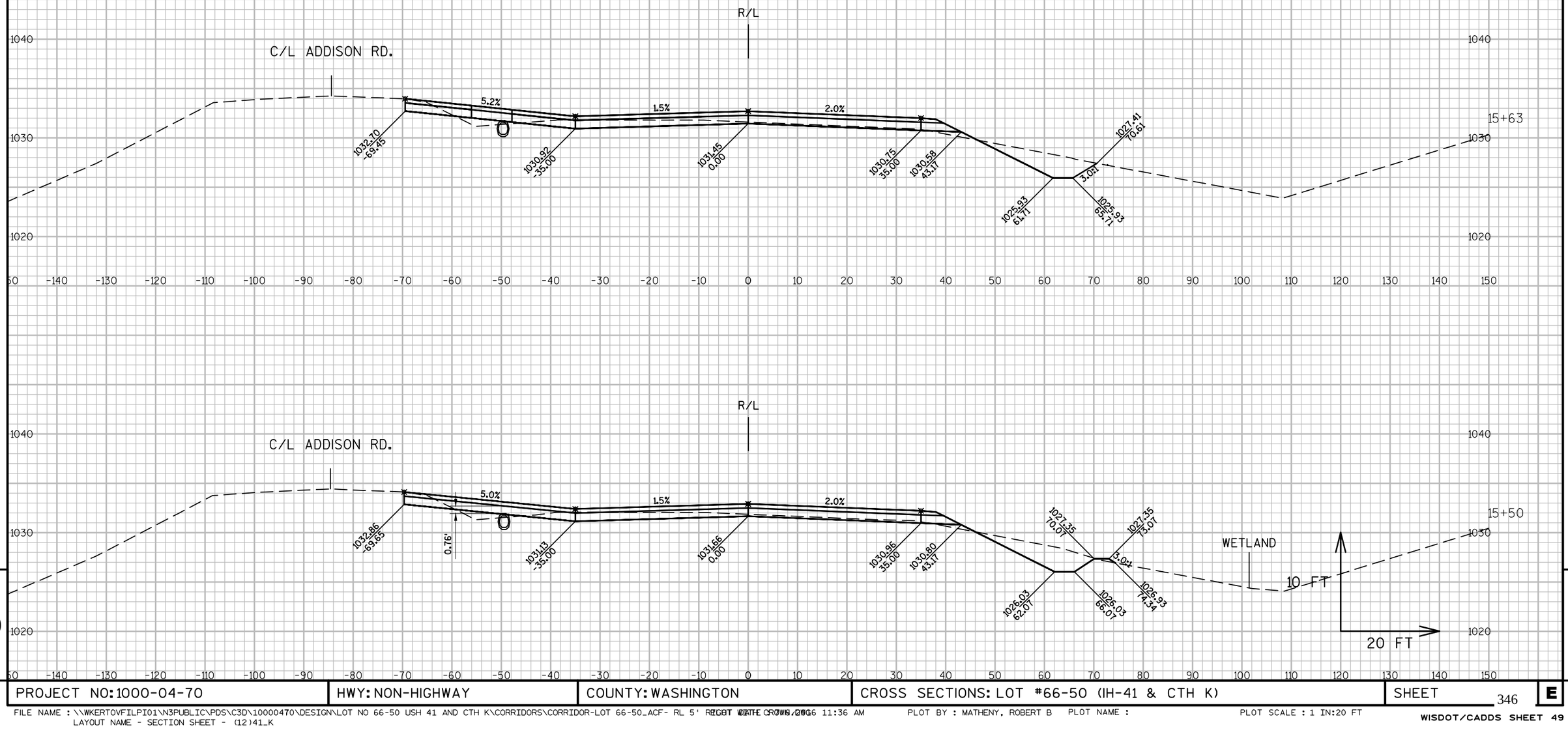
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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	CROSS SECTIONS: LOT #66-50 (IH-41 & CTH K)	SHEET 345 E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 66-50 USH 41 AND CTH K\CORRIDORS\CORRIDOR-LOT 66-50_ACF- RL 5' RIGHT WITH CROWN.DWG 11:36 AM
LAYOUT NAME - SECTION SHEET - (11)41_K

PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

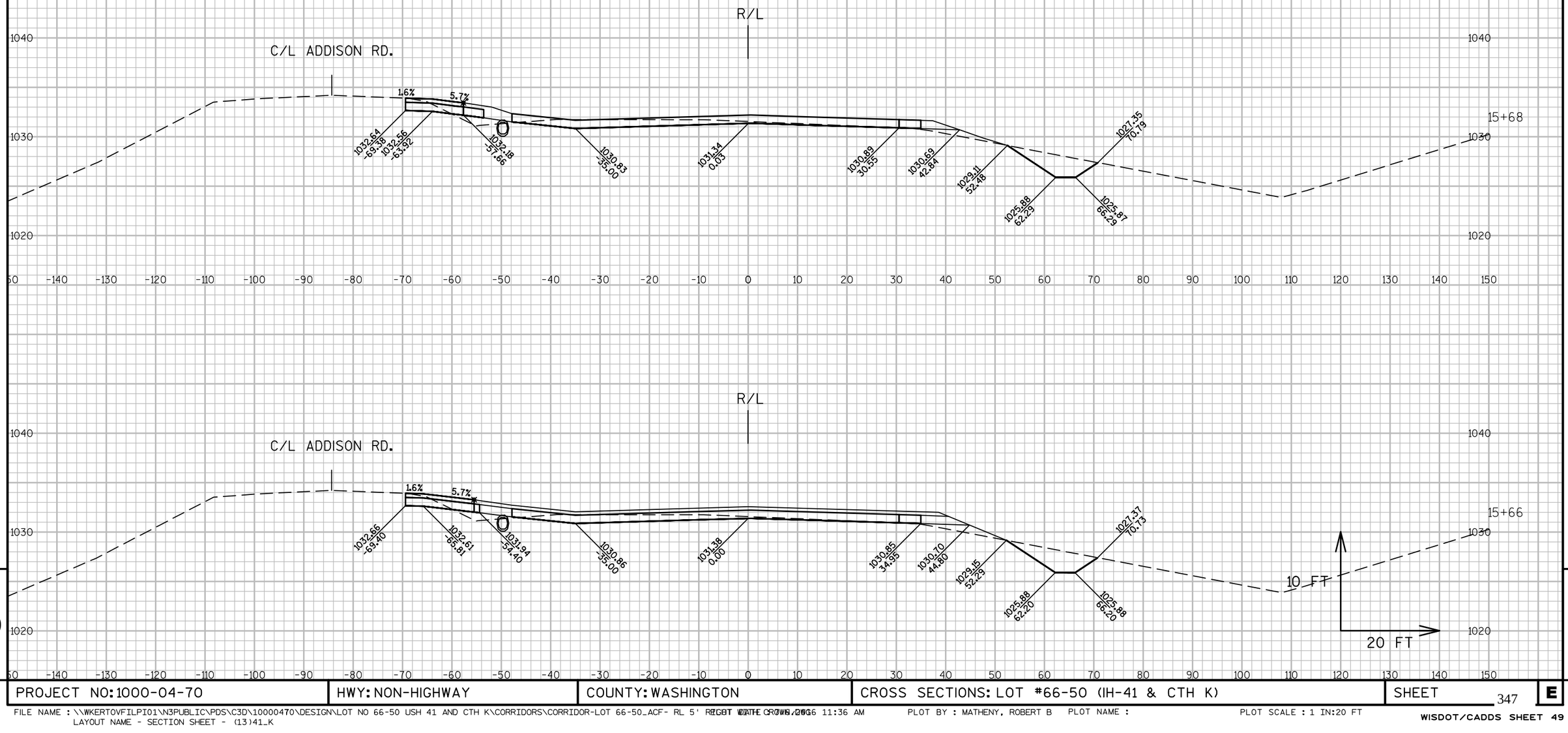


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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	CROSS SECTIONS: LOT #66-50 (IH-41 & CTH K)	SHEET 346 E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 66-50 USH 41 AND CTH K\CORRIDORS\CORRIDOR-LOT 66-50_ACF- RL 5' RIGHT WITH CROWN.DWG
LAYOUT NAME - SECTION SHEET - (12)41_K
PLOTTED : 06/13/2016 11:36 AM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

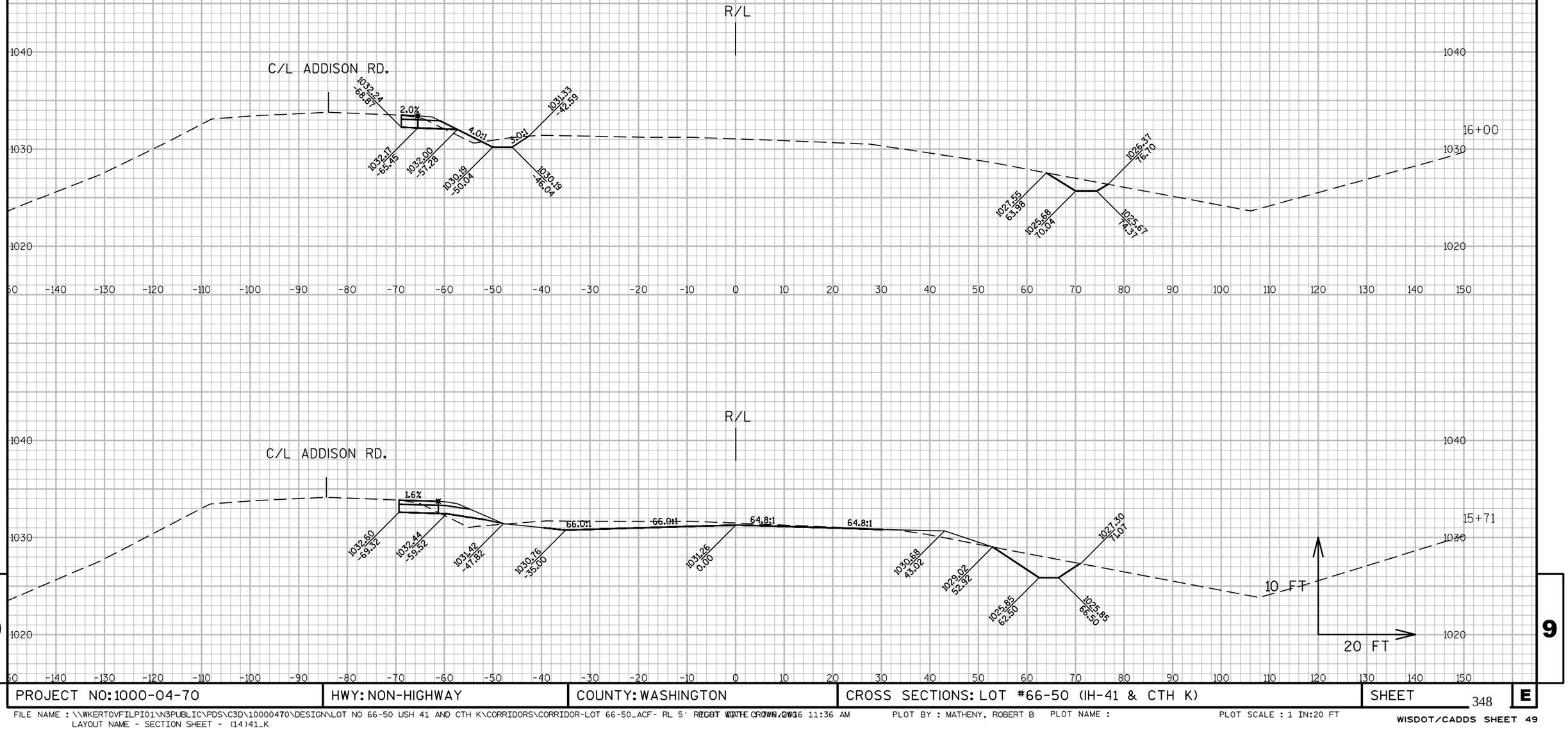


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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	CROSS SECTIONS: LOT #66-50 (IH-41 & CTH K)	SHEET 347 E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 66-50 USH 41 AND CTH K\CORRIDORS\CORRIDOR-LOT 66-50_ACF- RL 5' RIGHT WITH CROWN.DWG
LAYOUT NAME - SECTION SHEET - (13)41_K
PLOTTED : 06/06/2016 11:36 AM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

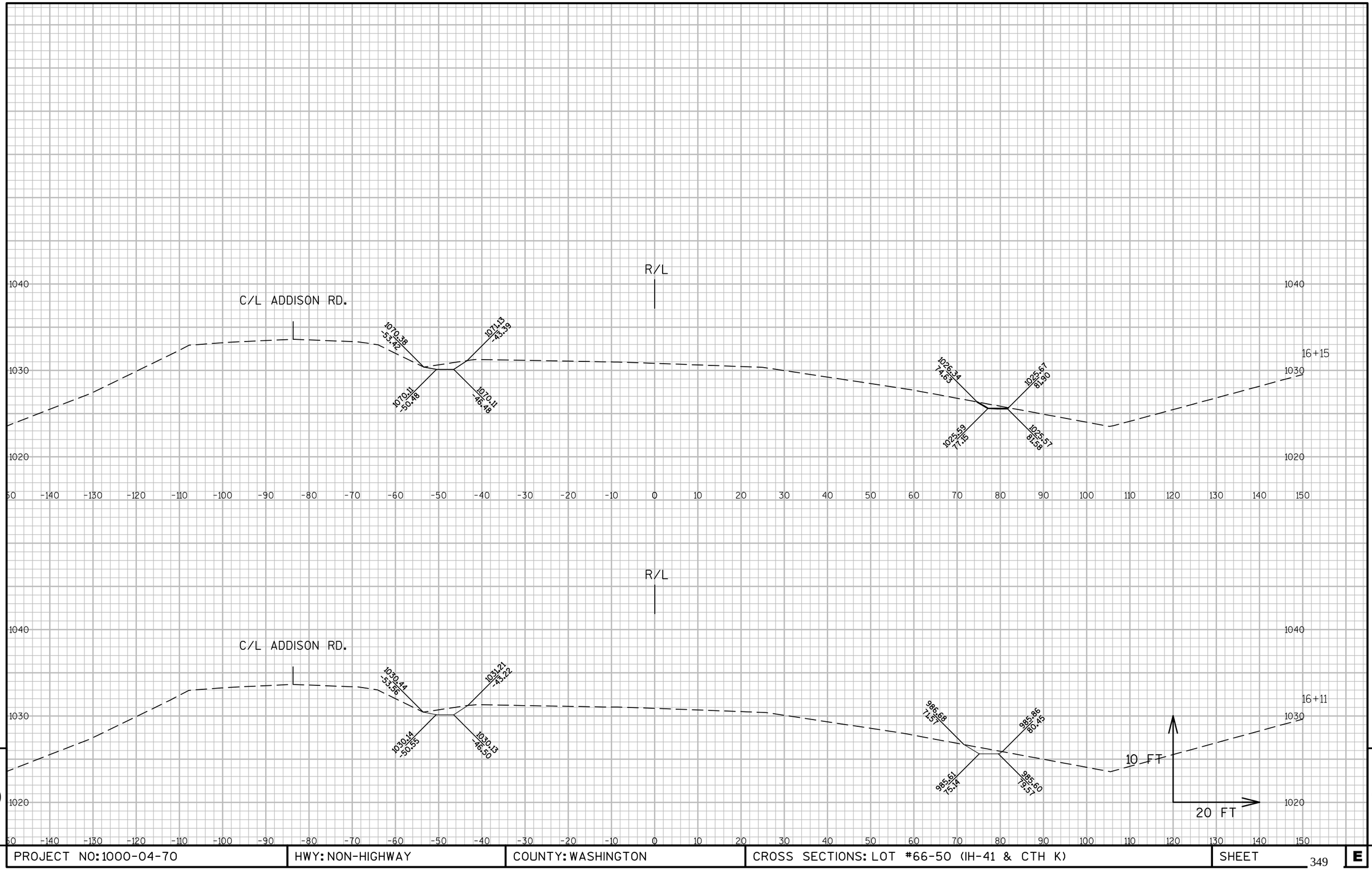


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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	CROSS SECTIONS: LOT #66-50 (IH-41 & CTH K)	SHEET 348 E

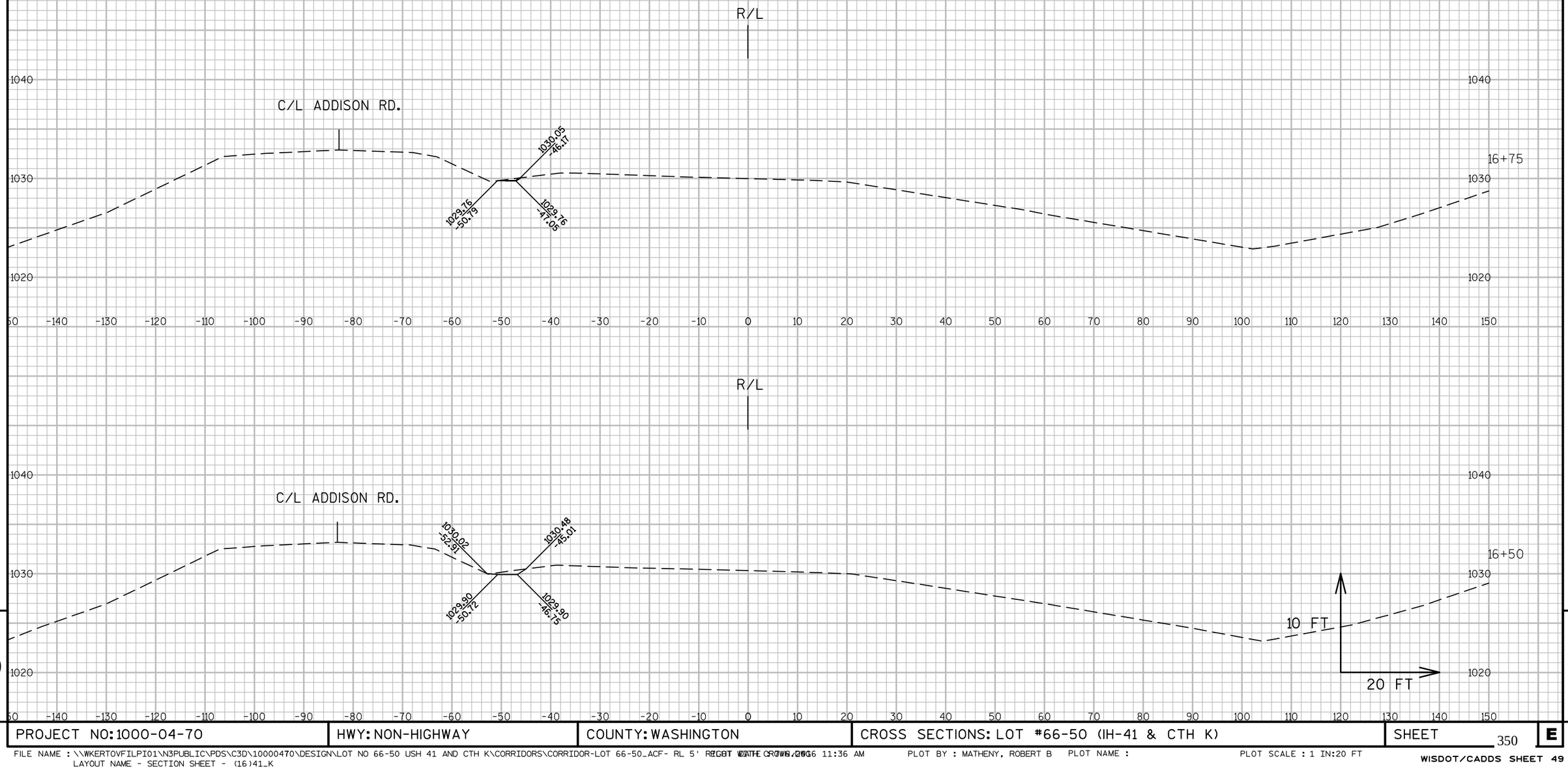
FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 66-50 USH 41 AND CTH K\CORRIDORS\CORRIDOR-LOT 66-50_ACF- RL 5' RIGHT WITH CROWN.DWG
LAYOUT NAME - SECTION SHEET - (14)41_K
PLOTTED : 08/29/2016 11:36 AM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT



9 9

PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	CROSS SECTIONS: LOT #66-50 (IH-41 & CTH K)	SHEET 349 E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 66-50 USH 41 AND CTH K\CORRIDORS\CORRIDOR-LOT 66-50_ACF- RL 5' RIGHT WITH CROWN.DWG
LAYOUT NAME - SECTION SHEET - (15)41_K
PLOTTED : 10/06/2016 11:36 AM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT



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PROJECT NO: 1000-04-70	HWY: NON-HIGHWAY	COUNTY: WASHINGTON	CROSS SECTIONS: LOT #66-50 (IH-41 & CTH K)	SHEET 350	E

FILE NAME : \\WKERTOVFILPI01\N3PUBLIC\PDS\C3D\10000470\DESIGN\LOT NO 66-50 USH 41 AND CTH K\CORRIDORS\CORRIDOR-LOT 66-50_ACF- RL 5' RIGHT WITH CROWN.DWG
LAYOUT NAME - SECTION SHEET - (16)41_K

PLOT DATE : 7/26/2016 11:36 AM PLOT BY : MATHENY, ROBERT B PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov