Wisconsin Department of Transportation

Division of Transportation Systems Development
Bureau of Project Development
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April 1, 2021

NOTICE TO ALL CONTRACTORS:

Proposal #26: 1228-22-71, WISC 2021228
North-South Freeway
Capitol Drive to 2100' N of Hampton Ave.
IH-43
Milwaukee County

Letting of April 13, 2021

This is Addendum No.01, which provides for the following:

Special Provisions:

Revised Special Provisions	
Article No.	Description
3	Prosecution and Progress
7	Utilities
8	Other Contracts
115	Luminaires Tunnel Lighting LED, Item SPV.0060.1012.
169	Management of Contaminated Soil and Contaminated Sediment, Item SPV.0165.0001

Added Special Provisions	
Article No.	Description
171	Noise Barriers Double-Sided Sound Absorptive N-40-94, Item 541.0300.S.0001; Noise Barriers Double-Sided Sound Absorptive N-40-95, Item 541.0300.S.0002; Noise Barriers Double-Sided Sound Absorptive N-40-96, Item 541.0300.S.0003;

Deleted Special Provisions	
Article No.	Description
65	Noise Barriers Double-Sided Sound Absorptive N-40-94, Item 531.0300.S.0001; Noise Barriers Double-Sided Sound Absorptive N-40-95, Item 531.0300.S.0002; Noise Barriers Double-Sided Sound Absorptive N-40-96, Item 531.0300.S.0003;

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
204.0110	Removing Asphaltic Surface	SY	12,691	175	12,866
204.0150	Removing Curb & Gutter	LF	943	488	1,431
204.0155	Removing Concrete Sidewalk	SY	1,066	224	1,290
305.0120	Base Aggregate Dense 1 1/4-Inch	TON	54,744	178	54,922
416.0610	Drilled Tie Bars	EACH	2,698	162	2,860
455.0605	Tack Coat	GAL	2,424	-12	2,412
465.0105	Asphaltic Surface	TON	202	-18	184
601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	2,372	489	2,861
602.0410	Concrete Sidewalk 5-Inch	SF	11,690	7,190	18,880
603.8000	Concrete Barrier Temporary Precast Delivered	LF	38,751	949	39,700
603.8125	Concrete Barrier Temporary Precast Installed	LF	43,327	949	44,276
608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	1161	140	1301
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	2366	18	2384
608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	127	277	404
611.0535	Manhole Covers Type J Special	EACH	34	1	35
611.0624	Inlet Covers Type H	EACH	13	-1	12
611.0636	Inlet Covers Type HM-S	EACH	3	1	4
611.0639	Inlet Covers Type H-S	EACH	4	1	5
611.0654	Inlet Covers Type V	EACH	75	19	94
611.2004	Manholes 4-FT Diameter	EACH	16	1	17
611.3004	Inlets 4-FT Diameter	EACH	87	20	107
643.0300	Traffic Control Drums	DAY	270,969	107,416	378,385
643.0420	Traffic Control Barricades Type III	DAY	38,035	7,597	45,632
643.0705	Traffic Control Warning Lights Type A	DAY	56,570	17,378	73,948
643.0715	Traffic Control Warning Lights Type C	DAY	56,559	17,174	73,733
643.0800	Traffic Control Arrow Boards	DAY	4,609	-904	3,705
643.0900	Traffic Control Signs	DAY	335,588	13,228	348,816
643.0920	Traffic Control Covering Signs Type II	EACH	509	112	621
644.1601	Temporary Pedestrian Curb Ramp	DAY	1,072	170	1,242
644.1810	Temporary Pedestrian Barricade	LF	755	-389	366
646.9010	Marking Removal Line Water Blasting 4-Inch	LF	282,526	27,296	309,822
649.0120	Temporary Marking Line Epoxy 4-Inch	LF	353,751	38,634	392,385
649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	9,116	-2,017	7,099
649.0220	Temporary Marking Line Epoxy 8-Inch	LF	21,091	325	21,416
690.0250	Sawing Concrete	LF	12,827	513	13,340
SPV.0045	0001. Temporary Detectable Warning Field	DAY	372	170	542

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
611.0420	Reconstructing Manholes	EACH	0	3	3
649.0520	Temporary Marking Arrow Epoxy	EACH	0	4	4

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
16	Typical Existing Section, Varies dimension and sta range update
42	Typical Finished Section, Sidewalk and Curb & Gutter replacement on Glendale Ave
90	Removal Plan, Sidewalk, Terrace and Curb & Gutter removal on Glendale Ave
104	Plan Details, Sidewalk, Terrace and Curb & Gutter replacement on Glendale Ave
227-322	Drainage, Drainage updates, (23 sheets updated)
381-382	Stage 2A TC, Covering 4 impacting existing signs and extending centerlane shift
406-407	Stage 2C1 TC, Extended lane closure on North end of project
412-413	Stage 2C2, Removing Ramp closure, Addressing question #7 from contractors
419-420	Stage 2C2 TC, Extended lane closure on North end of project
422	Stage 2D OV, Edited bullet point. Addressing question #9 from contractors
432-433	Stage 2D TC, Extended lane closure on North end of project
445-446	Stage 3A TC, Extended lane closure on North end of project
459-460	Stage 3B TC, Extended lane closure on North end of project
484-485	Stage 4 TC, Extended lane closure on North end of project
497-498	Stage 5 TC, Extended lane closure on North end of project
562-563	Roadway MQ's, Adding quantity for removals
565	Roadway MQ's, Adding quantity for sawing curb
571	Roadway MQ's, Adding tie bars to tie into adjacent existing lane
573	Roadway MQ's, Removed quantity for asphalt sections and tack coat
575	Roadway MQ's, Adding quantity for concrete sidewalk and base aggregate
577	Roadway MQ's, Adding quantity for curb & gutter replacement
591-601	Roadway MQ's, Updated quantities for traffic control
604	Roadway MQ's, Updated quantities for traffic control

616-662	Drainage MQ's, Updated quantities and table information for Drainage (16 sheets updated)
1037	Structure, Updated bearing plat dimensions

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
237A	Storm Sewer Profiles, New storm sewer profiles
240A	Storm Sewer Profiles, New storm sewer profiles
245A	Storm Sewer Profiles, New storm sewer profiles
407A-407C	Stage 2C1 TC, Extended the lane closure on the North end of project
420A-420C	Stage 2C2 TC, Extended the lane closure on the North end of project
433A-433C	Stage 2D TC, Extended the lane closure on the North end of project
446A-446C	Stage 3A TC, Extended the lane closure on the North end of project
460A-460C	Stage 3B TC, Extended the lane closure on the North end of project
485A-485C	Stage 4 TC, Extended the lane closure on the North end of project
498A-498C	Stage 5 TC, Extended the lane closure on the North end of project
500A-500C	Hampton Avenue TC, New Traffic control pattern for Hampton to allow for work in the Median as well as the outside Shoulder

Deleted Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was deleted)
61	Construction Detail, Removed HPC Detail
504	Ped Accommodations, Removed Ped accomodation sheet because a new traffic control plan was created for this area

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 01

1228-22-71

April 1, 2021

Special Provisions

3. Prosecution and Progress

Add the following to the beginning of Section titled **I Local Street Work Restrictions***:*

Definitions
The following definitions apply to this contract for local street work restrictions:
Peak Hours

- 6:00 AM – 9:00 PM Monday, Tuesday, Wednesday, Thursday, Friday
- 10:00 AM – 9:00 PM Saturday
- 11:00 AM – 6:00 PM Sunday

Off-Peak Hours

- 9:00 PM – 6:00 AM Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM
- 9:00 PM – 10:00 AM Friday PM to Saturday AM
- 9:00 PM – 10:00 AM Saturday PM to Sunday PM
- 6:00 PM – 6:00 AM Sunday PM to Monday AM

Night Time Hours

- 10:00 PM – 6:00 AM Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM
- 12:00 AM – 8:00 AM Saturday AM, Sunday AM
- 9:00 PM – 6:00 AM Sunday PM to Monday AM

Do not close local street traffic lanes or intersections and ensure that the local street traffic lanes are entirely clear for traffic during Peak Hours, except as shown in the traffic control plans. One local street traffic lane and/or the shoulder may be closed, but maintain at least one local street traffic lane open to traffic, during Off-Peak Hours. Close intersections only during Off-Peak Hours, unless otherwise specified in the plan, or unless otherwise approved by the engineer for safety or operational reasons associated with other adjacent local street closures.
Follow plan details for closures. Lane restriction beyond that shown on the traffic control plans must be approved by the engineer. If plan details are not provided in the traffic control plan, furnish plans for review by the engineer for approval. Once approved, allow at least five business days prior to the closure of local roadway and/or intersection as identified in Contractor Coordination.
Do not, at any time, conduct construction operations in the median area and adjacent outside shoulder area of the local street at the same time without obtaining prior permission of the engineer, beyond that shown on the traffic control plans.
Do not begin or continue any work that closes local street traffic lanes or intersection outside the allowed time periods specified in this contract. If the contractor fails to open local roadway lane s of traffic and/or intersections to traffic by the specified times, assessments shown in the article Lane Rental Assessment will be placed upon the contractor based on the hourly rental rate that the ono-compliant closure occurs. The total assessment to the contractor will be the summation of the separate assessments for each local street traffic lane and local street intersection closure violation.
Permitting the contractor to continue and finish the work or any part of it after the time fixed for its completion, or after the date to which the time for completion may have been extended, will in no way operate as a waiver on the part of the department of any of its rights under the contract.

Port Washington Rd
Port Washington Rd may be restricted to one lane in each direction from Glendale Rd to the Milwaukee River

during stage 4 as shown in the plans.

Hampton Ave
Hampton Ave may be restricted to one lane in each direction from the IH 43 southbound on ramp to Iroquois Ave during stage 1 through stage 4 as shown in the plans.
Hampton Ave may be closed during Night Time Hours between Port Washington Road and the IH 43 southbound on ramp to facilitate the deck removal, girder removal, and girder placement on structure B-40-1016 and B-40-1018 as shown in the plans.

Glendale Ave
Glendale Ave may be closed during Night Time Hours between Port Washington Road and the driveway to Sprecher Brewery to facilitate the deck removal, girder removal, and girder placement on structure B-40-1019, B-40-1020, and B-40-1021 as shown in the plans.

7. Utilities.

Replace the article in its entirety with the following:

This contract comes under the provisions of Wisconsin Administrative Code Chapter TRANS 220.

Some of the utility work described below is dependent on prior work being performed by the contractor at a specific site. In such situations, provide the engineer and the affected utility a good faith notice of when the utility is to start work at the site. Provide this notice 14 to 16 calendar days in advance of when the prior work will be completed and the site will be available to the utility owner. Follow-up with a confirmation notice to the engineer and the utility owner not less than three working days before the site will be ready for the utility owner to begin its work

Contact utility companies listed in the plans prior to preparing bids to obtain current information on existing utility locations and the status of any new utility relocation work.

Utility companies will be performing utility work and adjustments within the limits during the life of the project. The contractor shall cooperate and coordinate construction activities with these companies.

There may be discontinued utility facilities within the project limits. If a conflict with a discontinued utility facility is encountered, contact the appropriate utility owner/representative to coordinate construction activities and proper removal and disposal of said facility as necessary.

Known utilities in the projects are as follows:

AT&T Local Network (aka TCA) has existing underground facilities within the project limits at the following locations:

- TCA has facilities approximately 27 to 29-Feet south of Glendale Avenue centerline. Prior to and during construction, TCA will install new conduit from a new handhole at STATION 10+74GD, 23'RT and stay 23'RT of alignment Glendale Avenue centerline to a new handhole at STATION 15+40GD, 44'RT. TCA will discontinue the old conduit between STATION 10+74, 28'RT – 15+40, 44'RT once new conduit had been installed.
- The TCA Handhole at STATION 100+75PW, 58' LT is in conflict with proposed reconstruction of Ramp HAA. Prior to and during construction, TCA to place a new handhole at STATION 100+77PW, 190'LT. Install new conduit from the new handhole east to intercept existing conduit at STATION 100+61PW, 32'RT. TCA proposed elevation to be 622 under proposed Storm pipe P496 between Structure 495 and P497. TCA proposed elevation to be 621 under proposed Storm pipe P518 between Structure 517 and 519.

Anticipated construction time for all work described above is 30 working days. Anticipated Start date is May 1, 2021.

AT&T Wisconsin operates facilities within the project limits as shown and described as follows:

- AT&T Wisconsin will need to verify relocation of the (2) Cell Towers Between STATION 942+50 LT and STATION 945 LT to confirm aerial relocations to these service points and obtain easements to re-service the carrier customers associated with the towers.
- AT&T has an existing underground service at STATION 943 LT to RT under the existing IH 43 bridge. During construction, AT&T will replace direct buried crossing at approx. STATION 943 LT to RT under proposed IH 43 and associated proposed walls.
- AT&T Wisconsin has (2) cabinets and a handhole in existing easement that are in conflict with the proposed storm P376 between structure 375 and E377 as well as the future bike path west side of IH 43 at STATION 966+91, 101'LT, STATION 966+96, 101'LT, and STATION 967+04, 102'LT these cabinets and the hand hole are enclosed in a 10' x 20' x 6" concrete slab. During construction, the cabinets and hand hole will be relocated and removed. There is a power service supplied by We Energies that will need to be disconnected. AT&T Wisconsin is proposing a new pole on W Glendale Avenue at STATION 10+87, 20' RT and anchor at STATION 10+99, 20' RT. AT&T Wisconsin to bore and place conduit and cables across W Glendale Avenue to STATION 11+15, 48' LT and place Pad mounted cabinet excavate and place interconnect and tie in New Pad mounted VRAD Cabinet at STATION 11+15, 53' LT. Place power pedestal and then bore and place conduit and for power service cable. Power connection anticipated to take 15 working days.
- AT&T has an existing Down Guy and anchor (not shown on plan) STATION 966+84, 112'LT associated with joint use We Energies Pole at STATION 967+13, 111'LT, holding the aerial line going north. During construction the down guy anchor will be removed and replaced as sidewalk guy at STATION 967+00, 111'LT.
- AT&T has an existing Down Guy and anchor STATION 967+18, 98'LT associated with joint use We Energies Pole at STATION 967+13, 111'LT. During construction, the Down Guy and anchor will need to be removed and replaced with a new pole STATION 967+08, 141'LT and anchor STATION 967+11, 121'LT – 30-Feet west of existing pole to hold overhead line west.
- AT&T has an existing pedestal located at STATION 11GD+09, 21' RT and facilities buried along the south side of W Glendale Avenue STATION 11GD+09, 25' RT to STATION 14GD+57, 21' RT to remain in place.

AT&T Wisconsin anticipated construction time for all work described above 90 working days.

ATC Management, Inc. - Electricity-transmission has existing overhead facilities crossing the project. ATC Management's relocation plan includes:

- Prior to and during construction, two (2) new structures will be installed. One (1) wood pole structure will be installed west of the new IH-43 right-of-way at approximately STATION 953+00, 127' LT. One (1) additional wood pole structure to the east of IH-43 right-of-way at approximately STATION 954+25, 112' RT.
- Prior to and during construction, one (1) existing wood pole structure at STATION 953+50, 20' LT will be removed for the project.

ATC Management's anticipated construction time for all work described above is 10 working days. Anticipated start date is May 1, 2021.

CenturyLink Communications, LLC has existing underground long haul fiber optic (Qwest) that crosses IH-43 on the north side of the Oak Leaf Trail. No relocation work is anticipated.

City of Glendale – Sewer has existing facilities within the project limits. During Stage 1 of construction, the City of Glendale will:

- Discontinue the sanitary manhole at STATION 975+50HAA, 30'LT.
- Install a new sanitary manhole at STATION 976+00HAA, 18'RT.

Contractor to provide advance notice of when the site will be available to the City of Glendale The estimated construction time for the work is 5 working days.

During Stage 2 of construction, provide advance notice of when the subgrade of the site identified below, will be exposed and available to the City of Glendale to perform the following work:

- Discontinue the buried manhole at STATION 975+65, 35'LT
- Relay new 10-Inch sanitary sewer main from the discontinued manhole at STATION 975+65, 35'LT northwest to the new sanitary manhole at STATION 975+10HAB, 101'LT.
- Install a new sanitary manhole at STATION 975+10HAB, 101'LT.

Contractor to provide advance notice of when the subgrade will be exposed, and the site will be available to the City of Glendale. The estimated construction time for the work is 15 working days during Stage 2.

City of Glendale - Street Lighting has existing overhead and underground lighting facilities throughout the project limits. Construct, relocate, reconstruct, remove, discontinue and leave in place portions of these facilities as shown in the plans and bid items.

City of Glendale – Water has existing facilities within the project limits. One fire hydrant at STATION 978HAA will conflict with the project. During construction, the City of Glendale will relocate the hydrant to STATION 978+04HAA, 45' LT between the sidewalk and the curb along N Port Washington Road. The City of Glendale anticipates performing the relocation work May 2021. The estimated construction time for the work is 3 working days.

City of Milwaukee - Conduit has existing facilities throughout the project limits. No relocation work is anticipated.

City of Milwaukee – Forestry has existing lawn sprinkling facilities in medians throughout the project limits. No relocation work is anticipated.

City of Milwaukee – Sewer has existing sewer facilities throughout the project limits. No relocation work is anticipated.

City of Milwaukee - Street Lighting has existing lighting facilities throughout the project limits. No relocation work is anticipated.

City of Milwaukee - Water has existing water facilities throughout the project limits. The following manholes and valve boxes to be adjusted as shown in the plans and bid items**.** Approximate Stations and Offsets:

STA	Offset	
926+42	51' RT	Valve box
926+48	51' RT	Valve box
931+30 GBD	4' LT	Valve box
943+75 GBA2	8' LT	Valve box
926+45	51' RT	Manhole
926+54	51' RT	Manhole

Everstream - Communication Line has existing communication facilities within the project limits. No relocation work is anticipated.

Midwest Fiber Networks LLC has an existing communications fiber cable in WisDOT Communications duct that is in conflict with the roadway plans, there will be a temporary relocation required and a permanent relocation required. This will be a multi-phase, coordinated venture between Midwest Fiber Networks (MWFN), Wisconsin Independent Network (WIN) and Wisconsin Department of Transportation (WisDOT). Construct, relocate, reconstruct, remove, discontinue and leave in place portions of these facilities as shown in the plans and bid items.

Temporary Path:

- During Stage 1 construction, the contractor will install a conduit run between CV974 (south of the

Ramp HAA and Port Washington Road) on the east side of IH-43 to handhole EXCV1004 (north of the Oak Leaf Trail (as shown in the plans and bid items). Once the conduit is installed, MWFN will then install a temporary 432ct fiber starting at MWFN's proposed handhole south of CV974 intercepting the 2-Inch temporary conduit coming from the proposed WisDOT handhole CV974. MWFN will splice into the existing adjacent handhole.

- MWFN will share 1 (one) 2-Inch conduit with WisDOT and WIN in the parapet conduit in the Southbound Hampton Avenue on-ramp (Ramp HAB).
- During construction of the conduit (in Stage 1) from EXCV936 to CV974, MWFN will reroute the feed fiber up N Port Washington Road from existing MWFN handhole south of Capitol Drive to meet the new MWFN handhole near CV974 and splice the temp fiber. MWFN anticipates this work will require 45-working days after the installation of the conduit.
- After completion of the temporary path splicing, MWFN will remove the original 432ct fiber through the existing WisDOT duct from EXCV1004 through CV936 then continuing to the MWFN existing handhole south of Capitol Drive. It is anticipated that this work will require 5-working days for removal, no splicing time will be needed for this work.

Permanent Path:

- After the WisDOT 2-Inch conduit is installed in the IH-43 Northbound parapet, MWFN will place temporary 432ct fiber starting at EXCV1004 and continuing to CV974, then pull through the WisDOT permanent path via CV976 in the Northbound parapet back to EXCV1004 and resplice. It is anticipated this work will require 30-working days to allow for scheduling, pulling & splicing.

Milwaukee Metropolitan Sewerage District has existing sewer facilities throughout the project limits. No relocation work is anticipated**.**

Spectrum (aka Charter Communications) - Communication Line has existing underground facilities within the project limits. Joint underground work We Energies will occur 10 working days after receiving notice from We Energies that it is safe for Spectrum crews to begin work. Joint overhead work will begin 30 working days after WE Energies has released the poles to Spectrum.

Location			Working Days
932+00	Crossing IH 43	Relocate Overhead	25 days
938+00 to 943+00	West side of IH 43	Discontinue Overhead and Install new Underground	25 days
962+00 to 968+00	W Glendale Ave – crossing under IH43 from N Ironwood Lane east to N Port Washington Road.	Discontinue Overhead and Install new Underground	33 days
975+00 to 984+00	East side of IH 43: - Ramp HAA and N Port Washington Road - River crossing from Ramp HAA to north side of W Hampton Avenue.	Relocate Overhead and Underground	30 days

Total Working days for all work described above is 113 Working days.

Verizon Business - Communication Line has existing underground facilities within the project limits. The

following relocation work will occur prior to and during construction:

- At the intersection of N Port Washington Road and HAA Ramp, the existing conduit will be intercepted from the handhole at STATION 976+65,332' RT, then new conduit and fiber optic cable will be installed north along the east side of N Port Washington Road to STATION 977+53, then new conduit will be bored west across N Port Washington Road, to a new handhole at STATION 977+54, 218' RT. The existing handhole at STATION 976+56, 226' RT will be removed.
- From the new handhole at STATION 977+54, 218' RT new conduit will be installed north under the river 637-ft to the north side of N Hampton Avenue, then west 21-ft to an existing handhole at northwest corner of N Port Washington Road and W Hampton Avenue.
- At the southwest corner of N Port Washington Road and W Glendale Avenue, intercept conduit from the existing handhole, install new conduit on an northwest angle until the conduit is 3-ft south of the existing concrete curb and gutter, then continue west beyond the project limits to the W Glendale Avenue and N Ironwood Lane intersection.

Verizon Business' anticipated construction time for all work described above is 30 working days. Anticipated start date is May 1, 2021

Wisconsin Department of Transportation (WISDOT) has existing overhead and underground communications facilities throughout the project limits. Construct, relocate, reconstruct, remove, discontinue and leave in place portions of these facilities as shown in the plans and bid items.

Wisconsin Department of Transportation (WISDOT) has existing overhead and underground lighting facilities throughout the project limits. Construct, relocate, reconstruct, remove, discontinue and leave in place portions of these facilities as shown in the plans and bid items.

Wisconsin Department of Transportation (WISDOT) has existing traffic signal facilities within the project limits. Construct, relocate, reconstruct, remove, discontinue and leave in place portions of these facilities as shown in the plans and bid items.

Wisconsin Independent Network, LLC (WIN) has an existing communications fiber cable in WisDOT Communications duct that is in conflict with the roadway plans, there will be a temporary relocation required and a permanent relocation required.

Temporary path:

- During construction Contractor to provide advance notice of when the installation of the temporary conduit path to start, during that time WIN will install a conventional 288ct SASJ FOC in a 2-Inch WisDOT provided duct from the WisDOT handhole on the east side of IH 43 n/o Oak Leaf Trail (EXCV1004) south to the WisDOT handhole at the Fiebrantz Avenue NB on-ramp (EXCV936). WIN will share a single 2-Inch duct with WisDOT and Midwest Fiber in the parapet conduit in the SB Hampton Avenue on ramp.
- WIN and Midwest Fiber Network to install fiber cables at the same time in the new temporary path.

Permanent path:

- During construction, after the new WisDOT conduit has been installed including the NB IH-43 bridge parapet (as shown in the plans and bid items). WIN will cut the 288ct conventional cable at CV984 at the southwest corner of Hampton Avenue and N Port Washington Road. This fiber cable will be pulled back to CV974 and then pulled back into the new duct in the NB IH-43 bridge parapet back to CV984 and re-spliced.

Anticipated construction time for all work described above is 30 working days.

We Energies – Electricity has existing underground and overhead facilities within the project limits at the following locations:

- The following power poles will be removed, installed or relocated prior to and during construction:

Station	Offset		Station	Offset	Comments

982+97	50'RT	Remove pole	--	--	--
981+90	54'RT	Relocate pole to	981+93	128'RT	--
981+00	59'RT	Relocate pole to	981+04	139'RT	--
977+93	78'RT	Relocate pole to	977+68	182'RT	--
977+06	83'RT	Relocate pole to	977+58	183'RT	--
976+90	82' RT	Relocate pole to	977+48	185'RT	--
976+75	84' RT	Remove pole	--	--	--
976+60	86'RT	Remove pole	--	--	--
967+25	54'LT	Remove pole	--	--	--
967+52	92'RT	Remove pole	--	--	--
967+57	118'RT	Remove pole	--	--	--
967+27	124'RT	Relocate pole to	966+70	135'RT	--
966+93	130'RT	New Primary Riser Pole		--	--
967+73	127'RT	New Primary Riser Pole		--	--
966+77	118'LT	New Primary Riser Pole		--	--
966+25	98'LT	Relocate pole to	965+36	124'LT	--
962+51	132'LT	Guy and anchor relocated to	962+47	115'LT	Buried extra deep to accommodate grade cut
954+36	90'LT	Relocate pole to	954+96	107'LT	
953+49	111'LT	New Pole	--	--	--
953+10	92'LT	Remove pole	--	--	--
952+96	105'LT	Guy and anchor attached ATC structure at STATION 952+83, 126'LT			
952+70	70'LT	Guy and anchor attached ATC structure at STATION 952+83, 126'LT			
939(GBC)+00	105'LT	Remove pole	--	--	--
940(GBC)+68	57'LT	Remove pole	--	--	--
941(GBC)+30	23'LT	Remove pole	--	--	--
942(GBC)+07	17'RT	Remove pole	--	--	--
942(GBC)+35	21'RT	Remove pole	--	--	--
943+17	44'LT	Remove pole	--	--	--
944+26	51'LT	Remove pole	--	--	--
932+05	82'LT	Relocate pole to	932+12	79'LT	--
932(GBA2)+15	37'RT	Relocate pole to	932(GBA2)+23	38'RT	--
933(GBA2)+08	47'RT	New Primary Riser Pole -- the circuit will be raised to avoid the proposed noise wall			

- The following underground facilities will be discontinued in place prior to and during construction:
    - Underground primary conductors from STATION 976+90, 82'RT, east to STATION 977+00, 324'RT (crossing Port Washington Road at PW100+59).
    - Underground primary conductors from STATION 976+75, 84'RT east to STATION 976+79, 223'RT, then south to STATION 975+88, 190'RT.
    - Underground secondary conductors from STATION 976+75, 84'RT to STATION 976+84, 202'RT.
    - Underground primary conductors from STATION 976+60, 86'RT to STATION 976+94, 324'RT (crossing Port Washington Road at PW100+56).
    - Underground primary conductors from STATION 952+68, 167'LT to STATION 955+50, 256'RT.
    - Underground primary conductors from STATION 942+10, 48'LT to 942+05, 113'RT.
- New underground primary conductors will be installed prior to and during construction:
    - New primary riser pole will be installed at STA 933(GBA2)+08 RT 47'. This overhead crossing has 2 circuits. One of the circuits will be raised to avoid the proposed noise wall and be attached to the first 2 poles listed above. The other circuit will be converted underground from new pole at STA 932+12 LT 79' west to STA 932(GBA2)+23 RT 38' (crossing IH 43 at

approximately STA 932+10).

- From STATION 977+68, 182'RT east to STATION 976+56, 318'RT (crossing Port Washington Road at PW101+11), then south to STATION 976+94, 327'RT splicing into existing conductors.
- From STATION 977+48, 185'RT east to STATION 977+32, 218'RT, then continuing east to STATION 977+42, 318'RT (crossing Port Washington Road at PW100+97), then south to STATION 977+00, 324'RT splicing into existing conductors.
- From STATION 977+58, 183'RT to a new padmounted transformer at STATION 977+26, 203'RT then west to STATION 977+24, 186'RT, then south to STATION 975+88, 190'RT, splicing into existing conductors.
- From the new padmounted transformer at STATION 977+26, 203'RT to STATION 976+84, 202'RT splicing into existing conductors to feed the existing traffic signal service.
- From the new pole at STATION 966+77 118'LT north to STATION 967+18, 123'LT then east to STATION 967+89, 270'RT then south to STATION 967+77, 273'RT.
- From the new pole at STATION 967+73, 127'LT, south to STATION 967+50, 114'LT, then east to STATION 967+88, 133'RT, then north to a new padmounted VFI at STATION 968+27, 157'RT.
- From the new padmounted VFI at STATION 968+27, 157'RT, south to STATION 966+98, 148'RT, then to new pole at STATION 966+93, 130'RT.
- From new pole at STATION 965+36, 124'LT northeast to STATION 966+98, 52'RT, then north to STATION 967+35, 144'RT, splicing into existing cable.
- From STATION 952+58, 145'LT to STATION 955+30, 271'RT.
- From an existing padmounted transformer at STATION 945+00, 397'RT, north to STATION 45+47, 387'RT, then west to STATION 944+84, 102'RT, then south to a new padmounted transformer at approximately STATION 944+46, 108'RT. Underground secondary conductors will then run from that transformer to the customer's meter at approximately STATION 942+05, 113'RT.
- From the existing pole at STATION 938(GBC)+50, 74'LT, going northwest to STATION 393(GBC)+00, 128'LT. From there it will stay 3-Feet east of the west proposed right of way line to a new padmounted transformer at STATION 942(GBC)+12, 83'LT. From there We Energies will have buried secondary conductors 3-Feet east of the west proposed right of way line, going north to a new pole at STATION 943+79, 139'LT.

- Prior to and during construction, a secondary pedestal at STATION 944+27, 52'RT will be removed.
- The overhead IH 43 crossing will be discontinued. We Energies will install underground primary conductors from the new pole at STATION 966+77, 118'LT, north to STATION 967+18, 123'LT, then east to STATION 967+89, 270'RT, and south to STATION 967+77, 273'RT.

Anticipated construction time for all work described above is 200 working days. Anticipated start date is May 1, 2021. The information in the table below is not meant to shorten the anticipated relocation timeline but to further allow planning for the working days required to complete work in a specific area. The working days are further described:

STATION	Description	Type of Work	Working Days
931+00 to 932+00	Crossing IH 43	Overhead and Underground	15 days
938+00 to 944+00	West side of IH 43	Overhead and Underground	15 days
942+00 to 945+00	East side of IH 43	Underground	10 days
962+00 to 968+00	West side of IH 43 W Glendale Ave – crossing under IH 43 from N Ironwood Lane east to N Port Washington Road.	Overhead and Underground	25 days
953+00 to 957+00	West side of IH 43	Overhead	15 days
953+00 to 955+00	Crossing IH 43	Underground	15 days
975+00 to 984+00	East side of IH 43:	Overhead and	25 days

	- Ramp HAA and N Port Washington Road - River crossing from Ramp HAA to north side of W Hampton Avenue and	Underground	

We Energies – Gas has existing underground facilities within the project limits at the following locations:

- A 3-Inch PE Gas main that crosses IH 43 at approximately STATION 942+00GBD and turns North to approximately STATION 945+25GBD and crosses under the proposed retaining wall. Prior construction 3-Inch PE Gas main will be discontinued and not replaced at this location.
- An 8-Inch steel Gas main that runs parallel with N. Port Washington Rd at approximately STATION 978+10HAA is in conflict with proposed Storm Sewer pipe P524 between Structure 523 and E535. Prior to construction, We Energies will lower the existing main in its existing location 15-Feet in each direction (North and South) of the proposed Storm Sewer pipe P524.

Anticipated construction time for all work described above is 30 working days.

8. Other Contracts.

Add the following to the end of the article:

Project 1228-22-74
IH 43, North-South Freeway
Hampton Ave – SB Ramp over Milwaukee River
WisDOT contact: David Pittman; (262) 548-6439

65. DELETED

115. LuminairesTunnel Lighting LED, Item SPV.0060.1012.

Replace entire section titled **B.1 Materials** *with the following:*

Tunnel lighting LED luminaires shall be vandal-resistant and tampered-resistant.

The lighting unit shall be corner mount clamshell housing with 2-ft in length and painted white. The color temperature for the LED shall be minimum 3500K and multi-voltage ranged 120-277 Volts. Units shall be UL listed for WET LOCATIONS.

169. Management of Contaminated Soil and Contaminated Sediment, Item SPV.0195.0001.

Replace the article in its entirety with the following:

A General
A.1 Description
This work will conform with the requirements of Section 205 of the Standard Specifications; to pertinent parts of the Wisconsin Administrative Code, Chapters NR 700-736 Environmental Investigation and Remediation of Environmental Contamination; Wisconsin Administration Code, Chapters NR 500-538, Solid Waste; and as shown on the plans and as supplemented herein.

Soil and sediment considered to be solid waste due to metal, polychlorinated biphenyl (PCB), and polycyclic aromatic hydrocarbon (PAH) contamination will be encountered within the construction limits. The solid waste may contain NR 500 non-exempt industrial wastes. Impacted waste material excavated during construction which cannot in the opinion of the environmental consultant be managed as common excavation or as contaminated soil will be managed as solid waste.

This work consists of excavating, segregating, temporary stockpiling, loading, hauling, and disposing of solid waste material at a WDNR-approved disposal facility. **Hazardous contaminated soil shall be placed in covered roll-off containers provided by others. Sampling and disposal of the hazardous contaminated soil will be coordinated by the environmental consultant. The contractor shall provide a location for the roll-off containers**. The nearest WDNR-approved disposal facilities are:

Waste Management Orchard Ridge Landfill
W124 N9355 Boundary Rd.
Menomonee Falls, WI 53051
(866) 909-4458

Advanced Disposal Emerald Park Landfill
W124 S10629 S. 124th St.
Muskego, WI 53150
414-529-1360

Provide information to the environmental consultant and engineer that indicates the WDNR-approved disposal facility that the contractor will use.

A.2 Notice to the Contractor–Solid Waste Location
The department and others completed hazardous materials assessments for locations within this project where excavation is required. Investigation for soil and sediment contamination was conducted at select locations. Results indicate that solid waste (metals-, PCB-, and PAH-contaminated soil and sediment) is present at the following locations as shown on the plans:

Contaminated Soil:

- Station 940+50 to 944+80, from construction limits left to construction limits right. Depths of contamination range from ground surface to 4 ft bgs. **There is an area within this location from 941+85 to 943+00 with TCLP (toxicity characteristic leaching procedure) - hazardous waste lead that likely will require hazardous waste disposal.** The estimated volume of PAH and metal contaminated soil to be excavated at this location is 3,431 cubic yards (approximately 5,833 tons) of which approximately 143 tons will be considered TCLP–hazardous waste lead and 5,690 tons will be considered non-hazardous. Incidental to construction, within the limits stated above, an additional 1,489 tons of TCLP-hazardous waste lead soil will require excavation and disposal.

- Station 944+80 to 953+80, from construction limits left to construction limits right. Depths of contamination range from ground surface to 20 ft bgs. The estimated volume of PAH-contaminated soil to be excavated at this location is 685 cubic yards (approximately 1,165 tons).

- Station 953+80 to 955+00, from construction limits left to the reference line. Depths of contamination range from ground surface to 12 ft bgs. The estimated volume of metal-contaminated soil to be excavated at this location is 5,539 cubic yards (approximately 9,416 tons).

- Station 980+75 to 982+00, from construction limits left to construction limits right. Depths of contamination range from ground surface to 4 ft bgs. The estimated volume of PAH-, PCB-, and metal-contaminated soil to be excavated at this location is 334 cubic yards (approximately 568 tons).

Contaminated Sediment:

- Station 978+50 to 980+75, from construction limits left to construction limits right. Depths of contamination range from the sediment surface to bedrock (0-2' below the sediment surface). The estimated volume of PAH-, PCB-, and metal-contaminated sediment to be excavated at this location is 201 cubic yards (approximately 342 tons).

Directly load solid waste soil and sediment excavated by the project at the above locations into trucks that will transport the material to a WDNR-licensed landfill facility for landfill disposal.

If obviously contaminated soils or sediment or signs of NR 500 non-exempt solid waste and hazardous materials are unexpectedly encountered elsewhere on the project, terminate excavation activities in the area and notify the engineer. Examples of these unexpected conditions may include, but are not limited to, buried containers or tanks, noxious odors and fumes, stained soils, sheen on ground water, other industrial wastes, and significant volumes of municipal or domestic garbage.

Active groundwater monitoring wells were not observed within the construction limits. If active groundwater monitoring wells are encountered elsewhere during construction, notify the engineer and protect the wells to maintain their integrity. The environmental consultant will determine if monitoring wells need to be maintained. For monitoring wells that do need to be maintained, adjust the wells that do not conflict with structures or curb and gutter to be flush with the final grade. For wells that conflict with the previously mentioned items or if monitoring wells are not required to be maintained, they will be abandoned by others.

If dewatering is required at the above locations, conduct the dewatering in accordance with Section C below.

A.3 Notice to Contractor – Reuse of Solid Waste Soils
Approximately 8,030 cubic yards (13,651 tons) of low-level impacted soil excavated from STA 944+80 to 949+10 is characterized as Solid Waste Soil and shall be reused as fill at the following location:

- Station 940 + 00 to 954 +70, from construction limits left to construction limits right.

Cap of reuse soil deposited at this location will either be the constructed roadway, or if placed outside of the constructed roadway, cap will consist of 2 feet of clay. Cover the clay with topsoil and then seed.

The clay material can be acquired on site or be furnished by the contractor from a borrow site. The contractor shall submit laboratory test results of the clay lining material from onsite or borrow source(s) documenting that the clay meets or exceeds the clay material specifications prior to the start of lining construction and prior to bringing borrow to the site.

The laboratory tests shall be conducted on clay material from on site or borrow areas at the frequency listed below and be performed in accordance to ASTM standard methods as listed below. The test results shall be submitted to the engineer for review and approval prior to construction. The following tests are required:

- A minimum of 50 percent by weight which passes the 200 sieve.
- Liquid Limit (LL): 22 percent or greater.
- Plasticity Index (PI): 12 percent or greater.

Clay not meeting these three requirements shall be removed and disposed of by the contractor without additional payment. Soils that are reused as project fill should not contain crushed asphalt or other non-exempt solid wastes.

A.4 Clay Cap
The contractor shall place and compact approved clay material in four 6-inch lifts for a total compacted thickness of two feet.

Contractor shall notify the engineer at least three days prior to start of placing clay cap.

Lift thickness shall be 6 inches maximum after compaction.

Clay cap shall be a minimum of two feet thick measured perpendicular to the surface. Compact clay to a minimum of 98% Standard Proctor Maximum Density (ASTM D698) with a sheepsfoot roller or other suitable equipment.

Placement of each lift shall not proceed until all required clay testing and documentation has been completed for the previous lift. The moisture content of the clay during placement shall be:

- No drier than 1 % below the optimum moisture content as determined by ASTM D698.
- No wetter than 3% above the optimum moisture content as determined by ASTM D698.

A.5 Excavation Management Plan Approval

The excavation management plan for this project has been designed to minimize the off-site disposal of contaminated waste. The excavation management plan, including these special provisions, has been developed in cooperation with the WDNR. The WDNR concurrence letter is on file at the Wisconsin Department of Transportation. For further information regarding previous investigation and remediation activities in these areas contact:

Name:	Andrew Malsom
Address:	141 NW Barstow Street, Waukesha, WI 53187-0798
Phone:	262-548-6705
Fax:	262-548-6891
e-mail:	andrew.malsom@dot.state.wi.us

A.6 Coordination

Coordinate work under this contract with the environment consultant:

Consultant:	TRC Environmental Corporation
Address:	150 N. Patrick Blvd. Ste. 180, Brookfield, WI 53045
Contact:	Bryan Bergmann
Phone:	262-901-2126 (office), 262-227-9210 (cell)
Fax:	262-879-1220
E-mail:	bbergmann@trccompanies.com

The role of the environmental consultant will be limited to:

1. Determining the location and limits of solid waste to be excavated based on soil and sediment analytical results from previous investigations, visual observations, and field screening of soil and sediment that is excavated;
2. Identifying soil and sediment to be hauled to the landfill facility;
3. Documenting that activities associated with management of solid waste are in conformance with the solid waste management methods for this project as specified herein; and
4. Obtaining the necessary approvals for disposal of solid waste from the landfill facility.

Provide at least a 14-calendar day notice of the preconstruction conference date to the environmental consultant. At the preconstruction conference, provide a schedule for all excavation activities in the area of solid waste described in A.2 to the environmental consultant. Identify the WDNR licensed landfill facility that will be used for disposal of solid waste, and provide this information to the environmental consultant no later than 30 calendar days prior to commencement of excavation in the impacted area or at the preconstruction

conference, whichever comes first. The environmental consultant will be responsible for obtaining the necessary approvals from the landfill facility for disposal of the solid waste.

Coordinate with the environmental consultant to ensure that the environmental consultant is present during excavation in the impacted areas. Notify the environmental consultant at least three calendar days prior to commencement of excavation in the impacted areas. Perform excavation in the impacted areas on a continuous basis until excavation work is completed. Do not transport soil containing solid waste offsite without prior approval from the environmental consultant.

A.7 Health and Safety Requirements
Supplement standard spec 107.1 with the following:

During excavation activities, expect to encounter metal-, PCB-, and PAH-contaminated soil and sediment. Site workers taking part in activities that will result in the reasonable probability of exposure to safety and health hazards associated with hazardous materials shall have completed health and safety training that meets the Occupational Safety and Health Administration (OSHA) requirements for Hazardous Waste Operations and Emergency Response (HAZWOPER), as provided in 29 CFR 1910.120.

Prepare a site-specific Health and Safety Plan, and develop, delineate and enforce the health and safety exclusion zones for each impacted area as required by 29 CFR 1910.120. Submit the site-specific health and safety plan and written documentation of up-to-date OSHA training to the engineer prior to the start of work.

B (Vacant)

C Construction
Subsection 205.3 of the Standard Specification is supplemented with the following:

Control operations in the impacted areas to minimize the quantity of soil and sediment excavated.

The environmental consultant will periodically monitor soil and sediment excavated from the areas identified in A.2 above. The environmental consultant will evaluate excavated soil and sediment based on field screening results, visual observations, and soil and sediment analytical results from previous environmental investigations. Assist the environmental consultant in collecting soil and sediment samples for evaluation using excavation equipment. The sampling frequency shall be a maximum of one sample for every 20 cubic yards excavated.

On the basis of the results of such field-screening and existing laboratory analytical results, the material will be designated for disposal as follows:

- Excavation Common consisting of clean soil and/or clean construction and demolition fill (such as clean soil, boulders, concrete, reinforced concrete, bituminous pavement, bricks, building stone, and unpainted or untreated wood), which under NR 500.08 are exempt materials, or

- Low-level contaminated material (PID readings less than 10 ppm and no observation of staining or petroleum odor, or based on existing analytical data) for reuse as fill within the construction limits as allowed by the project engineer, or

- Contaminated soil (based on the presence of industrial fill or existing analytical data) for off-site disposal at the WDNR-licensed disposal facility, or

- Contaminated sediment for off-site treatment and disposal at the WDNR-licensed landfill facility, or

- Potentially contaminated for temporary stockpiling and additional characterization prior to disposal.

Directly load and haul solid waste soil and sediment designated by the environmental consultant for offsite disposal to the WDNR approved landfill facility. Use loading and hauling practices that are appropriate to prevent any spills or releases of the material. Prior to transport, sufficiently dewater soils and sediment designated for off-site disposal so as not to contain free liquids. Sediment dewatering will be conducted in accordance with best management practices and will comply with the requirements of all applicable state and federal permits. Filtered water from dewatered sediments can be discharged back into the body of water from which it was removed.

Some material may require additional characterization prior to disposal. Provide for the temporary stockpiling of up to 100 cubic yards of contaminated soil on-site that require additional characterization. Construct and maintain a temporary stockpile of the material in accordance with NR 718.05(3), including, but not limited to, placement of the contaminated soil/fill material on an impervious surface and covering the stockpile with impervious material to prevent infiltration of precipitation. The Department's environmental consultant will collect representative samples of the stockpiled material, laboratory-analyze the samples, and advise the contractor, within 15 business days of the construction of the stockpile, of disposal requirements. The stockpiled material shall be disposed either at the WDNR-licensed disposal facility by the contractor or, if characterized as hazardous waste, by the Department. As an alternative to temporarily stockpiling contaminated soil/fill material that requires additional characterization, the contractor has the option of suspending excavation in those areas where such soil is encountered until such time as characterization is completed.

When material is encountered outside the above-identified limits of known contamination that appears to have been impacted with petroleum or chemical products, or when other obvious potentially contaminated materials are encountered or material exhibits characteristics of industrial-type wastes, such as fly ash, foundry sand, and cinders, or when underground storage tanks are encountered, suspend excavation in that area and notify the engineer.

Verify that the vehicles used to transport material are licensed for such activity in accordance with applicable state and federal regulations. Obtain the necessary disposal facility approvals and WDNR approvals for disposal. Do not transport regulated solid waste off-site without obtaining the approval of the environmental consultant and engineer and notifying the disposal facility.

During excavations in the areas of known contamination, larger chunks of clean concrete (~2 cubic feet), asphalt and bricks shall be segregated from the fill, to the extent practical and managed as common excavation. Under NR 500.08 this material is exempt from licensing and requirements of Wisconsin Administrative Code NR 500-538 of the solid waste regulations, and will be reused as designated by the engineer as fill on the project, or it will be disposed of off-site at the contractor's disposal site(s).

If dewatering is required in an area of known contamination, water generated from dewatering activities may contain contaminants and require testing, special handling, temporary storage, and disposal. Disposal of contaminated water may require use of a licensed hazardous waste hauler to transport contaminated groundwater to a treatment and disposal facility. Contaminated water could possibly be discharged to the sanitary sewer with prior approval from the Milwaukee Metropolitan Sewerage District (MMSD) and the City of Glendale.

Notify the engineer of any dewatering activities. The contractor shall obtain any permits necessary to discharge water. Provide copies of such permits to the engineer. Meet any requirements and pay any costs for laboratory testing, obtaining and complying with such permit use. Follow all applicable legislative statutes, judiciary decisions, and regulations of the State of Wisconsin.

Costs associated with excavation dewatering in contaminated areas are considered incidental to this pay item. The Wisconsin Department of Transportation will be the generator of regulated solid waste from this construction project.

D Measurement

The department will measure solid waste by the ton of waste accepted by the disposal facility and as documented by weight tickets.

E Payment

The department will pay for measured quantities at the contract unit price under the following item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0195.01	Management of Solid Waste	Ton

Payment is full compensation for excavating, segregating, loading, hauling, and landfill disposal of solid waste; obtaining solid waste collection and transportation service operating licenses; assisting in the collection of soil samples for field evaluation; dewatering of soils prior to transport, if necessary; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

171. Noise Barriers Double-Sided Sound Absorptive N-40-94, Item 541.0300.S.0001; Noise Barriers Double-Sided Sound Absorptive N-40-95, Item 541.0300.S.0002; Noise Barriers Double-Sided Sound Absorptive N-40-96, Item 541.0300.S.0003;

A Description

This special provision describes designing, fabricating, transporting, and erecting composite concrete double-sided sound absorptive noise barriers as the plans show and conforming to department-approved installation specifications.

B Noise Wall System

B.1 System Pre-Qualification and Selection

The noise wall system supplied must be pre-qualified by the department. The department maintains a list of pre-qualified systems which can be viewed online at:

https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrces/tools/appr-prod/default.aspx

Systems eligible for use on this project shall be pre-qualified before the award of this contract.

Provide the name of the selected system, and the intended fabricator to the engineer within 25 days after award of the contract. Schedule a pre-design meeting with the engineer subsequent to award of the contract and before beginning design of the noise barrier. A representative of the fabricator of the noise barrier components shall attend this meeting.

B.2 Design

B.2.1 Structural and Foundation Design

The structural and foundation design of the noise barrier system shall conform to the current edition of "AASHTO LRFD Bridge Design Specifications" published by the American Association of State Highway and Transportation Officials (AASHTO), 444 North Capitol Street, NW, Suite 225, Washington, DC 20001, with the following exceptions:

The minimum design wind pressure shall be 35 pounds per square foot (Strength III) for ground mounted noise barriers and 40 pounds per square foot (Strength III) for structure mounted noise barriers, unless specified otherwise on the plans. For ground and structure mounted noise barriers, the minimum Service I design wind pressure shall be 15 pounds per square foot. All wind loads shall be applied perpendicular to the barrier, alternately in each direction.

Design drilled shaft foundations using the Broms Method. Ignore the top 1 foot of supporting soil in the design of ground-mounted barrier foundations.

In addition to wind loads, design the bottom noise barrier panel to support the dead load (weight) of the panels directly above it and its own dead load. Assume this dead load to be distributed uniformly across the bottom panel acting as a simple beam supported at the posts.

Bottom noise barrier panels shall have a minimum amount of perimeter reinforcement of a #4 bar which shall be continuous around the corners. Reinforcing steel in the concrete core of noise barrier panels shall have a minimum clear cover of 1 inch. Clear cover does not include sound absorptive material. Design the reinforced concrete core to resist the loads without considering any composite action from other material in the panel.

Provide a neoprene bearing pad or equivalent material of 1/4 inch minimum thickness between the foundation and the bottom panels. The allowable bearing stress shall not exceed 900 psi. Precast concrete pedestals placed between the foundation and bottom panels shall be reinforced if over 1’-0" high. The bearing pads shall be preformed EPDM rubber conforming to ASTM D-2000, Grade 2, Type A, Class A with a minimum Durometer Hardness of 80.

B.2.2 Fire Hose Access Openings

Design fire hose access openings, at locations the plans show, with additional reinforcement and clear cover around the opening as necessary to maintain structural integrity. Detail drawings shall show the additional reinforcement and method for attaching the Fire Hydrant Location Signs to the barrier panel.

B.2.3 Barrier Profile

Unless the plans show or the engineer approves otherwise, design the top of the noise barrier to be horizontal and at or above the acoustic elevation line the plans show. The bottom elevation of the noise barrier shall be as the plans show. Changes in elevation shall be accomplished by stepping sections at posts. Steps shall not exceed 3-feet in height. All joints shall be horizontal or vertical and shall be aligned with the adjacent panels.

B.2.4 Panel Orientation

Design the panels to prevent entrapment and ponding of water. Avoid inadvertently providing areas for perching, nesting of birds or collecting of dirt and debris in the design of the noise barrier system.

B.2.5 Sound Transmission Loss (TL)

Design the noise barrier panel material to achieve a transmission loss equal to or greater than 20 decibels in all test frequency bands, as referenced in ASTM E90.

B.2.6 Noise Reduction Coefficient (NRC)

Design the noise barrier system so that the highway sides of the noise barrier panels have a minimum NRC of 0.80 and the residential sides have a minimum NRC of 0.70 as referenced in ASTM C423.

B.2.7 Design Coordination

Design the noise barrier post spacing so as not to interfere with the existing utility and drainage facilities.

Design the noise barrier post spacing so as not to interfere with proposed utility and drainage facilities the plans show. This includes proposed roadway lighting and ITS facilities.

For noise barriers mounted behind or near proposed retaining walls, coordinate and design the noise barrier post spacing so as to not interfere with embedded portion of the proposed retaining walls, including MSE wall soil reinforcement and tieback anchors on soldier pile and timber lagging retaining walls.

For noise barriers mounted on proposed bridges and retaining walls, coordinate and design the noise barrier post spacing to coincide with noise barrier post and embedded noise barrier anchor assembly spacing shown on the bridge and retaining wall plans. Coordinate any required changes to the noise barrier post spacing and embedded noise barrier anchor assembly locations shown on the bridge and retaining wall plans, if required for the design of the noise barrier.

B.2.8 Weep Hole Openings

Design panels such that weep hole openings in noise wall to allow water to drain can be field installed per C.3 at locations the plans show.

B.2.9 Maintenance Doors

Design maintenance doors and door portals in noise walls, at locations the plans show, with additional reinforcement and clear cover around the opening as necessary to maintain structural integrity per B.2.1.

B.3 Materials

Required material certifications and testing are the responsibility of the contractor. All certifications and test reports shall carry the name and address of the fabrication facility where the specific material was produced.

B.3.1 Concrete Masonry

Provide grade A, A-2, A-FA, A-S, A-T, A-IS, A-IP, or A-IT concrete conforming to standard spec 501 as modified in standard spec 716 for concrete posts and the core component of composite concrete sound absorbing panels. Provide QMP for class II ancillary concrete as specified in standard spec 716.

B.3.2 Materials Testing General

All test reports shall carry the name and address of the laboratory where testing was performed, and the name of the person in responsible charge of the specific tests for which data is presented. Materials tested shall be representative of materials manufactured for this specific contract. Panels tested or from which samples will be taken will be selected and appropriately marked by the engineer either at the manufacturer's plant or from panels delivered to the project at the engineer's option.

Testing as detailed below is required for each lot of material not to exceed 100,000 SF of noise barrier produced. Conduct testing on panels within the first 30,000 SF of production of each lot not exceeding 100,000 SF. For projects that do not exceed 100,000 SF, a minimum of two lots of material will represent the project, each lot representing equivalent square footage. The first set of tests conducted for projects that do not exceed 100,000 SF shall be within the first third of the total square footage of the project. Provide the shipping record of the samples to the laboratory within five days of sampling. Begin testing as soon as practicable after sampling.

Test all materials as fabricated, including any specified finishing.

B.3.2.1 Noise Reduction Coefficient (NRC)

Test noise barrier panels in accordance with ASTM C423, and placed in accordance with ASTM E795, mounting type A, to determine the noise reduction coefficient (NRC) of the material. Submit to the engineer an independent laboratory test report that shows that the noise barrier panels achieve an NRC as specified in B.2.6 for the highway side of the barrier.

B.3.2.2 Long-term Durability

Test all sound absorbing composite concrete and composite concrete components for long-term durability in accordance with ASTM C672 and the following modifications and/or requirements:

B.3.2.2.1 Test Specimens

Three specimens of a full cross section of the composite panel at least 144 square inches in face area will be selected at random from the provided composite panel as defined in B.3. Sample specimens shall be representative of the manufacturer's continuous production operation, as selected and marked by the engineer. Specimens shall be 2D-symmetric and shaped according to the testing laboratory's accommodations.

Prepare the surfaces of the sample specimens for testing as follows. Brush the surfaces of the sample to remove any loose particles. Before testing, submerge the test specimens be submerged in water for a period of 24 hours before testing. Immediately following this, cover the specimens with the sodium chloride solution as stated below.

B.3.2.2.2 Test Procedure

Place samples in a 5 sided water tight container, fully submerged in a solution of sodium chloride (concentration 3% by mass). Maintain 1/4 inch of sodium chloride solution above the top surface of the fully submerged specimen within the container.

Subject the submerged specimens to continuous freeze-thaw cycles as follows:

After each five cycles, remove the salt solution and particles of deteriorated concrete from the slab and collect in a watertight container. The operation is best accomplished by tilting the slab in a funnel approximately 20 inches in diameter and washing the surface of the slab with a 3% sodium chloride solution. Continue this washing until all loose particles are removed from the sample. Strain the solution through a filter and dry the residue at 221 degrees Fahrenheit to a constant mass condition. Cumulatively weigh the residue after each five cycles. The dry residue is defined as the loss of mass. Calculate the loss of mass to the nearest 0.01 pounds per square foot, not including the exposed surface of any core material on the cast or cut edges. Visually rate the surfaces in accordance with 10.1.5 of ASTM C672 including any delamination of the sound absorbing material from the concrete core for composite concrete materials. After each washing of each sample, re-establish the initial submerged condition with a new solution of 3% sodium chloride before continuing with freeze-thaw cycling.

Continue the test until 30 freeze-thaw cycles have been completed.

During the test position and support each specimen to allow free circulation of the test solution under, around, and over test pieces. Support the bottom of the specimens on blocks in a manner to facilitate movement of moisture through and around the test specimens.

B.3.2.2.3 Test Report

Submit to the engineer an independent testing laboratory test report which shows that all solid and composite concrete products meet or exceed the following criteria:

1. After 30 freeze-thaw cycles the test specimens shall not exhibit excessive deterioration in the form of cracks, spalls, aggregate disintegration, delamination or other objectionable features.
2. Compliance with the test requirements is based upon a loss of mass of not more than 0.2 pounds per square foot from the surface after 30 cycles of freezing and thawing.
3. The report shall include the following:
    - 3.1. Name of manufacturer.
    - 3.2. Location of production.
    - 3.3. Production description.
    - 3.4. Date product sample was cast.
    - 3.5. Date testing began.
    - 3.6. Specimen identification.
    - 3.7. 5x7-inch color photographs of the test specimens before and after the 30 cycles of freeze-thaw test showing both sound absorbing faces and at least one representative side view of a cut (not cast) face, and any defects.
    - 3.8. A graph of the cumulative mass loss of each specimen plotted against the number of freeze-thaw cycles for 5, 10, 15, 20, 25, and 30 freeze-thaw cycles.
    - 3.9. Visual rating in accordance with ASTM C672 Section 10.1.5, including report of any delamination of the sound absorbing material from the concrete core for composite concrete components.

B.3.3 Materials Certification - General

Provide certification of compliance or sample fabrications as noted below. All material certifications shall reference the specific facility manufacturing the material and this contract. Certification is required for each lot of material not to exceed 100,000 SF of noise barrier produced, and shall include dates of fabrication for the lot being certified. For projects that do not exceed 100,000 SF, a minimum of two lots of material will represent the project, each lot representing equivalent square footage.

B.3.3.1 Color and Surface Texture

Supply and deliver to the engineer a 3 foot x 5 foot minimum test panel for each panel type with the specified pattern and colors. Obtain the engineer’s acceptance of the panel’s pattern and color before production of the panels required for the contract. The accepted pattern and color test panels shall remain on the project site in a readily accessible location for the duration of the project. The accepted pattern and color sample panels will be the standard for all noise barriers on the project.

Manufacture noise barrier posts of the same materials throughout the project. Shop apply coating and coloring of the post and panels.

Unless otherwise shown and provided for in the plans, wall pattern shall contain textures with relief features of sufficient depth and quantity to be distinguishable at an observation distance of 500-feet. The colors and textures chosen will be within the following parameters; however, at the discretion of the engineer, a single color and/or a single texture may be selected for either side of the noise barrier.

	FREEWAY SIDE	**RESIDENTIAL SIDE**
Number of colors	2	2
In the proportion of	75:25 (+/- 5%)	75:25 (+/-5%)
Number of textures	2	2
In the proportion of	75:25 (+/- 5%)	75:25 (+/- 5%)

The engineer will visually inspect panels for color consistency upon arrival at the project. The panels shall have no substantial variation in color from the accepted sample panel submitted for the project. All panels with substantial color variation will be rejected and shall be removed from the project.

B.3.3.2 Structural Steel

Submit to the engineer certification of compliance, including mill certifications and heat numbers, that structural steel conforms to the properties required on the plans and shop drawings, and is galvanized after fabrication by the hot-dip process in accordance with ASTM A123. Galvanize all steel hardware and threaded fasteners, bolts, nuts, and washers in accordance with ASTM A153.

Shop coat all steel galvanized surfaces exposed to view with a department-approved paint system. Clean galvanizing surfaces to be painted in accordance with SSPC-SP1 to remove, chlorides, sulfates zinc salts, oil, dirt, organic matter and other contaminants. Brush Blast clean the surfaces in accordance with SSPC-SP7 to create a slight angular surface profile (1.0 – 1.5 mils suggested) for adhesion. Do not fracture the galvanized finish or remove any dry film thickness during these processes.

After cleaning, provide a tie coat from an approved coating system that is specifically intended to be used on a galvanized surface. The tie coat shall etch the galvanized surface and prepare the surface for the top coat. Apply a top coat matching the finished color specified in B.3.2. Use a pre-approved top coat that is resistant to the effects of the sun, and is suitable for use in a marine environment. Exercise care so as not to damage the painted surfaces during shipment and erection of the noise barriers.

Use one of the qualified paint sources and products given below. An equivalent system may be used with the written approval of the engineer. Supply the engineer with the product data sheets before applying any coating. The product data sheets shall indicate the mixing and thinning directions, the recommended spray nozzles and pressures, the minimum drying time for shop applied coats, and the recommended procedures for coating galvanized bolts, nuts, and washers.

Producer	Coat	Products	Dry Film Minimum Thickness (mils)	Minimum Time Between Coats (hours)
Sherwin Williams Co. (847) 330-1250	Tie	Recoatable Epoxy Primer B67-5 Series/B67V5	2.0 to 4.0	6
	Top	Acrolon 218 HS Polyurethane, B65-650	2.0 to 4.0	NA
Carboline Co. (314) 644-1000	Tie	Rustbond Penetrating Sealer FC	1	36
	Top	Carboline 133 LH	4	NA
Wasser Corp. (253) 850-2967	Tie	MC-Ferrox B 100	3.0 to 5.0	8
	Top	MC-Luster 100	2.0 to 4.0	NA

B.3.3.3 Sound Transmission Loss (TL)

Submit to the engineer certification of compliance that the sound transmission loss of the panel material, when tested in accordance with ASTM Standard E90, achieves a transmission loss as specified in B.2.5.

B.3.3.4 Accelerated Weathering

Submit to the engineer certification of compliance that all coatings on barrier components, with the exception of structural steel and wood components comply with the following requirements when tested in accordance with ASTM Standard G155, G153, or G152 after 2400 hours of exposure on a cement based test specimens:

1. No checking when rated in accordance with ASTM D660.
2. No cracking when rated in accordance with ASTM D661.
3. No blistering when rated in accordance with ASTM D714.
4. No difference in adhesion between the unexposed control sample and an exposed sample when tested in accordance with ASTM D3359, Method A.
5. No chalking less than #7 rating when rated in accordance with ASTM D4214.
6. No color change greater than 5 NBS units when measured in accordance with ASTM D2244, using illuminant D65 and the 1964 10-degree standard observer.

B.3.3.5 Corrosion Resistance (Salt Fog Exposure)

Submit to the engineer certification of compliance that all coated steel components, with the exception of structural steel, has a coating system that has been tested for corrosion resistance in accordance with ASTM B117 and comply with the following requirements:

1. No checking when rated in accordance with ASTM D660.
2. No blistering when rated in accordance with ASTM D714.
3. No loss of adhesion when tested in accordance with ASTM D3359 with no evidence of corrosion along the edges of the samples or along the score lines, or both, or other defects.

B.4 Project Submittal Requirements

Furnish required submittals according to the following:

B.4.1 Pre-Construction Submittals

A minimum of 14 days before beginning any shop or field work, submit the following documents to the engineer conforming to standard spec 105.2 with electronic submittal to the fabrication library under standard spec 105.2.2.

1. Structural and foundation design calculations

Design calculations shall be on 8 1/2 x 11-inch sheets, neatly bound with a title sheet listing the complete project identification number and sound barrier designation. Structural and foundation calculations shall be signed, sealed and dated by a professional engineer licensed in the State of Wisconsin.

2. Detailed design/shop drawings

   Design/shop drawings shall conform to the contract plans and the requirements of these special provisions. The design/shop drawings shall consist of plan and profile sheets, details, explanatory notes, erection diagrams, aesthetic treatments, and other working plans. All dimensions, sizes of material, material information and other information necessary for the complete fabrication and construction of the noise barrier shall be designated on the appropriate sheets. The design/shop drawings shall be drawn to an appropriate scale on reproducible sheets 11 x 17 inches including borders. Each sheet shall carry the complete project identification number and noise barrier designation. Design/shop drawings shall be signed, sealed and dated by a professional engineer licensed in the State of Wisconsin.

3. Specifications regarding installation requirements and sequence of construction, including a detailed bill of materials.
4. Detailed color plan of the aesthetic treatments and finishes for the entire noise barrier.
5. Shipping, handling, and storage plan identifying methods or practices to limit post production damage.

Department review does not relieve the contractor from responsibility for errors or omissions on shop drawings.

B.4.2 Pre-Installation Submittals

Supply and deliver to the engineer the sample panel required under Section B.3.3.1 at least 14 calendar days before beginning production and/or installation of job materials. Acceptance of the sample panel will be by: Steven Kuhl, 414-531-6932. If the panel is not acceptable, a second panel shall be produced and submitted for acceptance. Sample panel to be representative of quality for precast panel work after acceptance. Deliver test panels to be determined by the engineer, for comparison purposes during production of project panels.

B.4.3 Payment Submittals

Submit certifications and test data as required under B.3 for all materials, including trade name of the products along with the name and address of the manufacturers.

B.4.4 Submittal Review

The engineer's review and acceptance of the drawings, calculations, and related material, submitted by the contractor, is for compliance with design intent only, and does not relieve the contractor from responsibility in regard to errors or omissions on said submittals.

The final accepted design documents and/or shop drawings will become a part of the contract. Any substitution of materials or dimensions contemplated by the contractor's submitted documents, different from materials or dimensions shown on the contract plans, shall be made only when approved by the engineer, and in such case, additional costs resulting from such substitution shall be borne by the contractor.

Ordering materials before department acceptance of submittals is at the contractor's risk.

C Construction

C.1 General

Construct the noise barriers at the locations the plans show, according to the contract specifications and design drawings and/or as the engineer directs. Deliver all sound absorbing composite concrete components to the project site as a finished component. A sound absorbing composite concrete system, which has the sound absorbing material glue-laminated or alternately affixed by a secondary adhesion method on the project site, will not be allowed.

Provide a minimum ten day notice to the engineer of the date that the fabrication of the noise barrier material will begin.

Inspect all materials delivered to the construction site for proper dimensions, honeycombing, cracks, voids, surface defects, consistency in color and texture, and any other damage or imperfections, before installation.

If any part of the noise barrier material fails to comply with any requirements of the contract specification, the component shall either be corrected, permanently marked as unacceptable and be disposed of by the contractor or accepted at a reduced price. The decision will be made by the engineer and is dependent on the severity of the specification deviation.

Erect noise barriers to avoid conflict with any existing facilities or utilities to remain in place. Any damage caused by construction activities shall be repaired by the contractor at no cost to the department.

C.2 Fire Hydrant Location Signs

Attach fire hydrant location signs to the noise barrier at each location the plans show by a method the department's approved drawings show. The signs shall conform and be of the type specified in the department's sign plate book, plate D9-54 and/or D9-54A.

Compensation for furnishing and placing the fire hydrant location signs shall be included in the contract price for Noise Barriers Double-Sided Sound Absorptive and no additional compensation therefore will be allowed.

C.3 Weep Hole Openings

Provide weep hole openings for drainage at the locations and sized as noted on the plan. Install weep holes by drilling through the wall after erection of the noise barrier. Use 6" PVC Schedule 40 pipe sleeve conforming to ASTM D-1785. Epoxy 6" PVC Schedule 40 pipe sleeve into bored weep hole. PVC pipe sleeve shall fit snugly in cored hole through wall. Epoxy PVC pipe sleeve into bored weep hole in noise barrier. Locate and construct weep holes in accordance with the plans and as the engineer directs. Place weep holes at locations the plans show unless the engineer approves adjusting locations to fit field conditions. The engineer will field verify the height and location of the weep hole for positive drainage.

C.4 Name Plates

Provide name plates conforming to the requirements of standard spec 506.2.4. Install one name plate on each noise barrier at the location the plans show. Rigidly attach each plate to the barrier by a means approved by the engineer.

Compensation for furnishing and placing of name plates shall be included in the contract price for Noise Barriers, Double-Sided Sound Absorptive Structure and no additional compensation therefore will be allowed.

C.5 Structure Mounted Noise Barriers

Do not erect noise barriers mounted to bridge or retaining wall structures until after the concrete for bridge decks and parapets or retaining wall moment slabs and parapets have attained their specified 28-day strength.

For noise barriers mounted to moment slabs and parapets on top of MSE retaining walls, erection of the noise barrier is limited to two-thirds the height of the noise barrier acoustical line the plans show before placement of earth fill or pavement over the top of the moment slab as the plans show. Erection of the noise barrier in excess of two-thirds its height to the full height of the noise barrier acoustical line the plans show may not occur until after the earth fill or pavement structure over the top of the moment slab the plans show is complete.

C.6 Construction Tolerances

Install the posts and panels comprising the noise barrier plumb within 1/2 inch in 15-feet. Locate the posts to the line and grades as the plans show to within +/- 3/4 inch. Align horizontal joints of adjacent panels to a vertical tolerance of 1/4 inch. Where vertical adjustments are required for alignment, use a mortar base or steel shims. Galvanize and prime coat steel shims in accordance with B.3.3.2.

D Measurement

The department will measure Noise Barriers Double-Sided Sound Absorptive B-40-94, Noise Barriers Double-Sided Sound Absorptive B-40-95, Noise Barriers Double-Sided Sound Absorptive B-40-96, by the square foot, acceptably completed, as the area the original plans show plus engineer-approved modifications to the plan quantity caused by plan corrections or revisions.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
541.0300.S.0001	Noise Barriers Double-Sided Sound Absorptive N-40-94	SF
541.0300.S.0002	Noise Barriers Double-Sided Sound Absorptive N-40-95	SF
541.0300.S.0003	Noise Barriers Double-Sided Sound Absorptive N-40-96	SF

Payment is full compensation for providing noise barrier including: coloring and aesthetic treatment on panels, preparing the design drawings and calculations, furnishing and delivering sample and test panels, materials testing, furnishing materials test reports and certifications, excavation, preparing the site, constructing foundations, erecting posts and panels, and disposing of waste materials.

stp-541-010 (20200629)

Schedule of Items
Attached, dated April 1, 2021, are the revised Schedule of Items Pages 1 – 36.

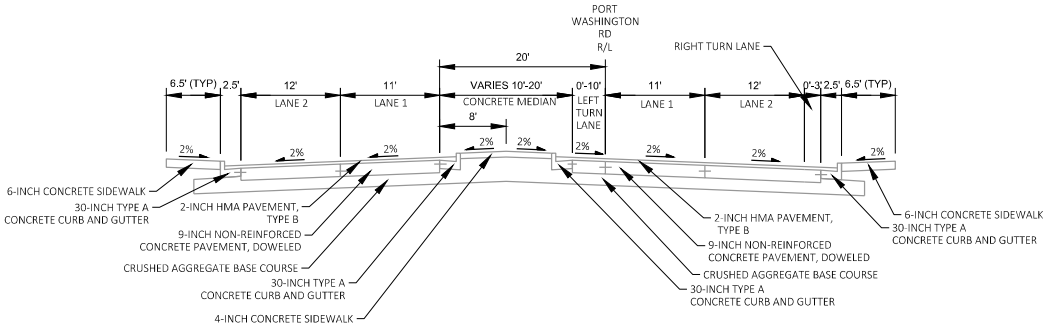
Plan Sheets
The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:

Revised: 16, 42, 90, 104, 227-322, 381-382, 406-407, 412-413, 419-420, 422, 432-433, 445-446, 459-460, 484-485, 497-498, 562-563, 565, 571, 573, 575, 577, 591-601, 604, 616-662, 1037
.
Added: 237A, 240A, 245A, 407A-407C, 420A-420C, 433A-433C, 446A-446C, 460A-460C, 485A-485C, 498A-498C, 500A-500C

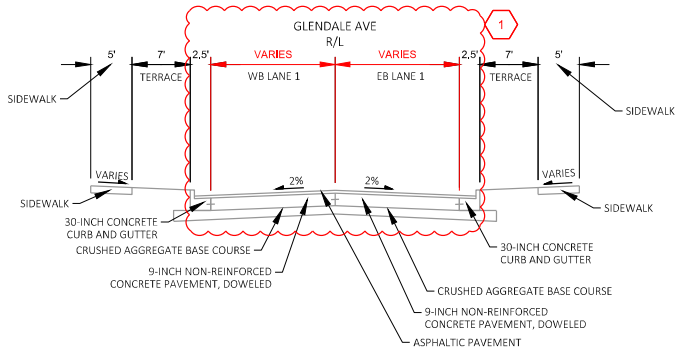
Deleted: 61, 504

END OF ADDENDUM

2



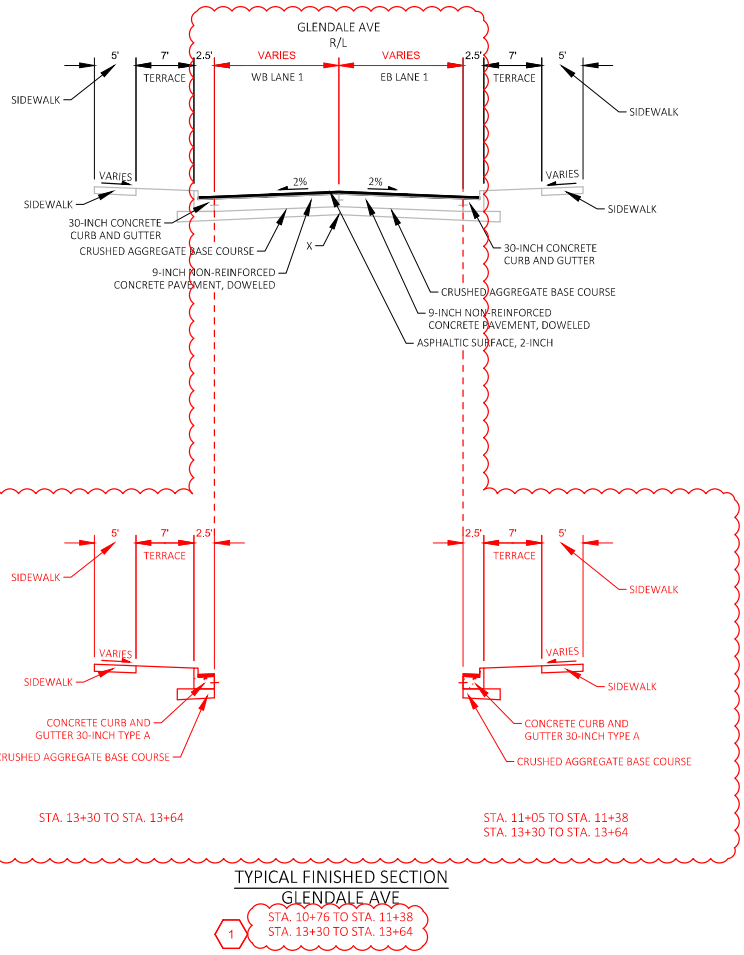
TYPICAL EXISTING SECTION
PORT WASHINGTON RD
STA. 100+99 TO SOUTHERN ABUTMENT B-40-0010



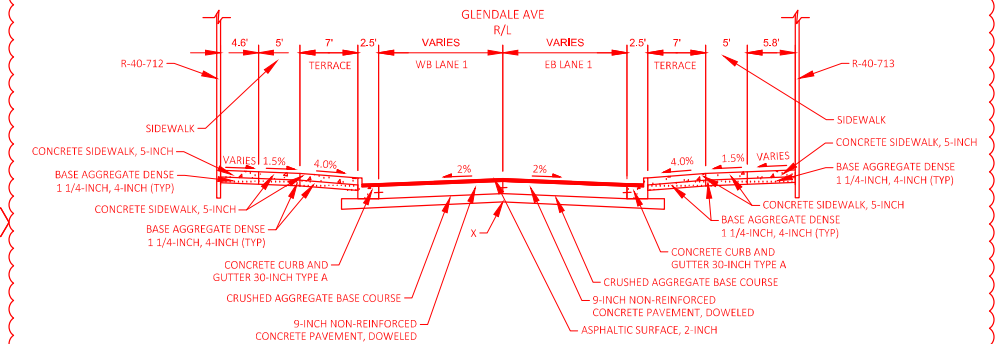
TYPICAL EXISTING SECTION
GLENDALE AVE
STA. 10+76 TO STA. 13+64 (1)

Addendum No. 01
ID 1228-22-71
Revised Sheet 16
April 1, 2021

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TYPICAL SECTION	SHEET 16	E



TYPICAL FINISHED SECTION
GLENDALE AVE
1 STA. 10+76 TO STA. 11+38
STA. 13+30 TO STA. 13+64



TYPICAL FINISHED SECTION
GLENDALE AVE
STA. 11+38 TO STA. 13+30

Addendum No. 01
ID 1228-22-71
Revised Sheet 42
April 1, 2021

NOTES:
X = POINT REFERRED TO ON CROSS-SECTION
PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATIONS

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TYPICAL SECTION	SHEET 42	E

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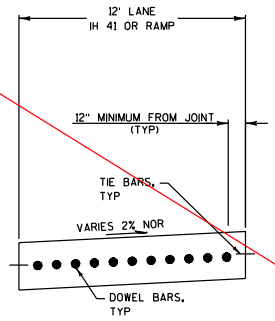
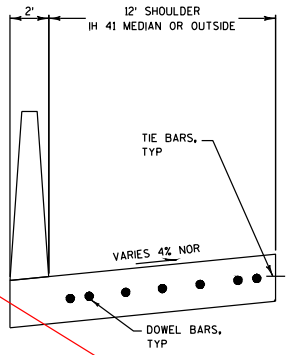
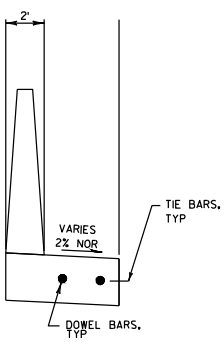
PLOT BY : SANTIAGO PEREZ, EDGA
PLOT NAME :
PLOT SCALE : 1 IN:15 FT
WISDOT/CADDS SHEET 42



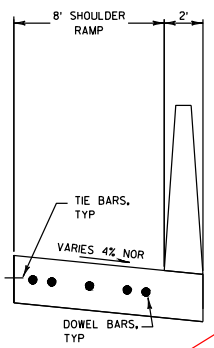
ELEVATION VIEW



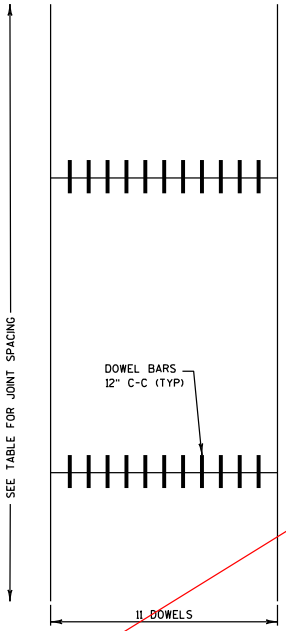
ELEVATION VIEW



ELEVATION VIEW

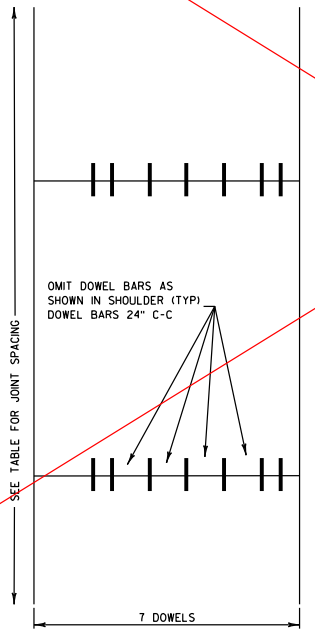


ELEVATION VIEW



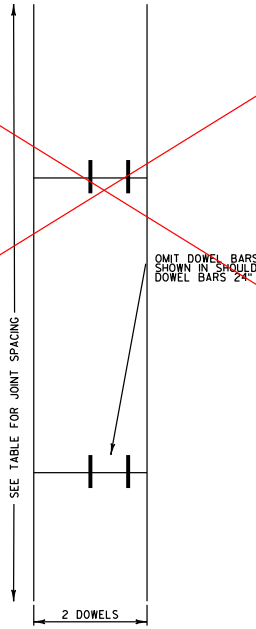
PLAN VIEW

HPC PAVEMENT JOINT DETAIL 12-FT LANE



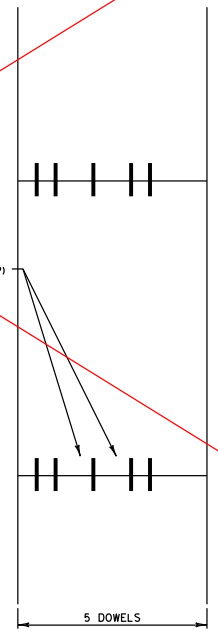
PLAN VIEW

HPC PAVEMENT JOINT DETAIL 12-FT SHOULDER



PLAN VIEW

HPC PAVEMENT JOINT DETAIL 4-FT SHOULDER



PLAN VIEW

HPC PAVEMENT JOINT DETAIL 8-FT SHOULDER

Addendum No. 01
ID 1228-22-71
Deleted Sheet 61
April 1, 2021

NOTES

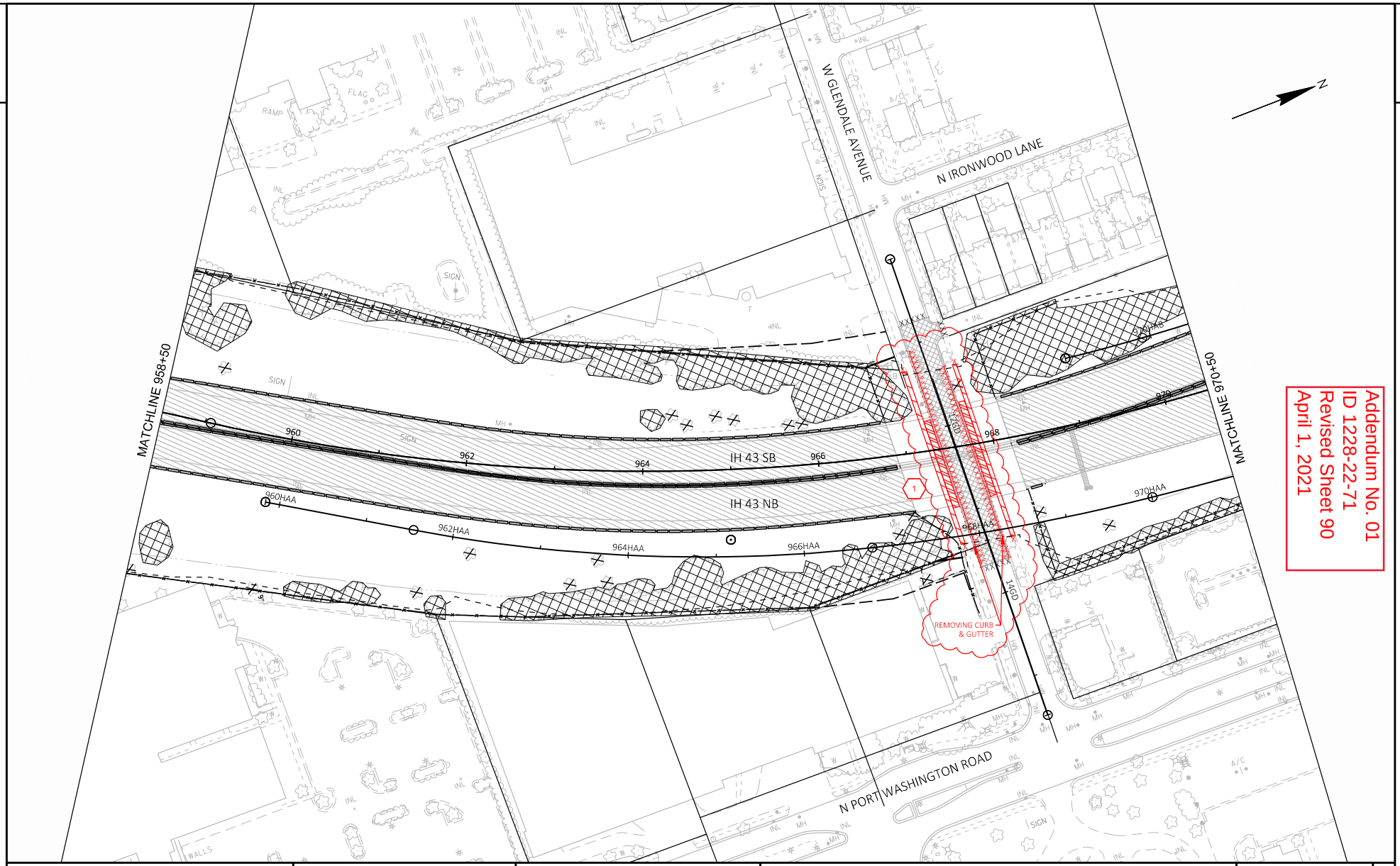
1) ALL DRIVING LANES TO HAVE DOWEL BARS SPACED 12 INCHES FROM CENTER TO CENTER.
2) DETAILS NOT SHOWN SHALL CONFORM TO STANDARD DETAIL DRAWINGS.
3) LOCATE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS 12 INCHES FROM THE EDGE OF PAVEMENT OR LONGITUDINAL JOINT.
4) TREAT SAWED SURFACES OF TRANSVERSE AND LONGITUDINAL JOINTS WITH SILANE SEALANT.

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
12"	1 ½"	15'

1 THIS SHEET IS OBSOLETE

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET 61	E



Addendum No. 01
ID 1228-22-71
Revised Sheet 90
April 1, 2021

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	REMOVAL PLAN	SHEET 90	E

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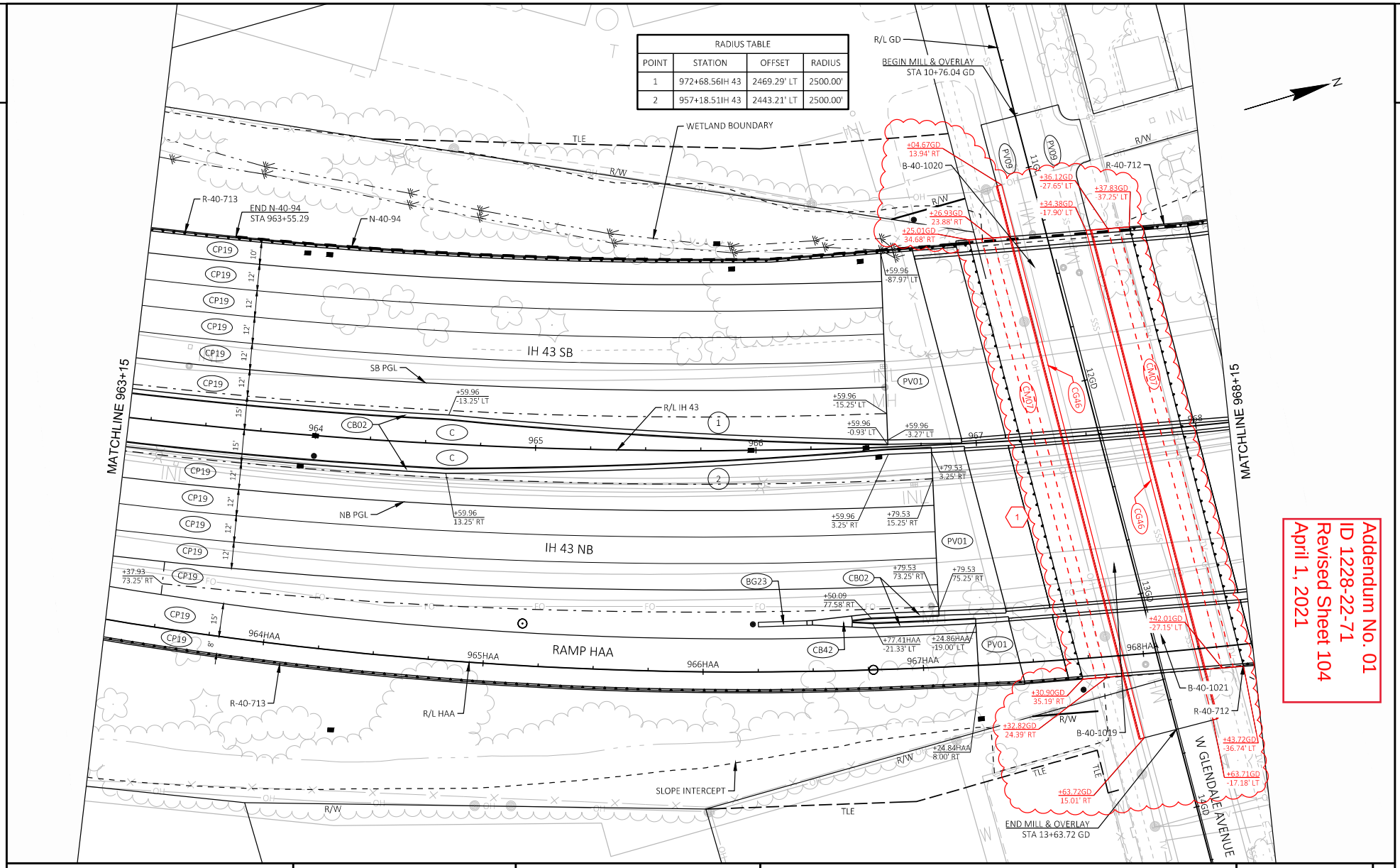
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



Addendum No. 01
ID 1228-22-71
Revised Sheet 104
April 1, 2021

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 104	E

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PLOT BY : SANTIAGO PEREZ, EDGA
PLOT NAME :
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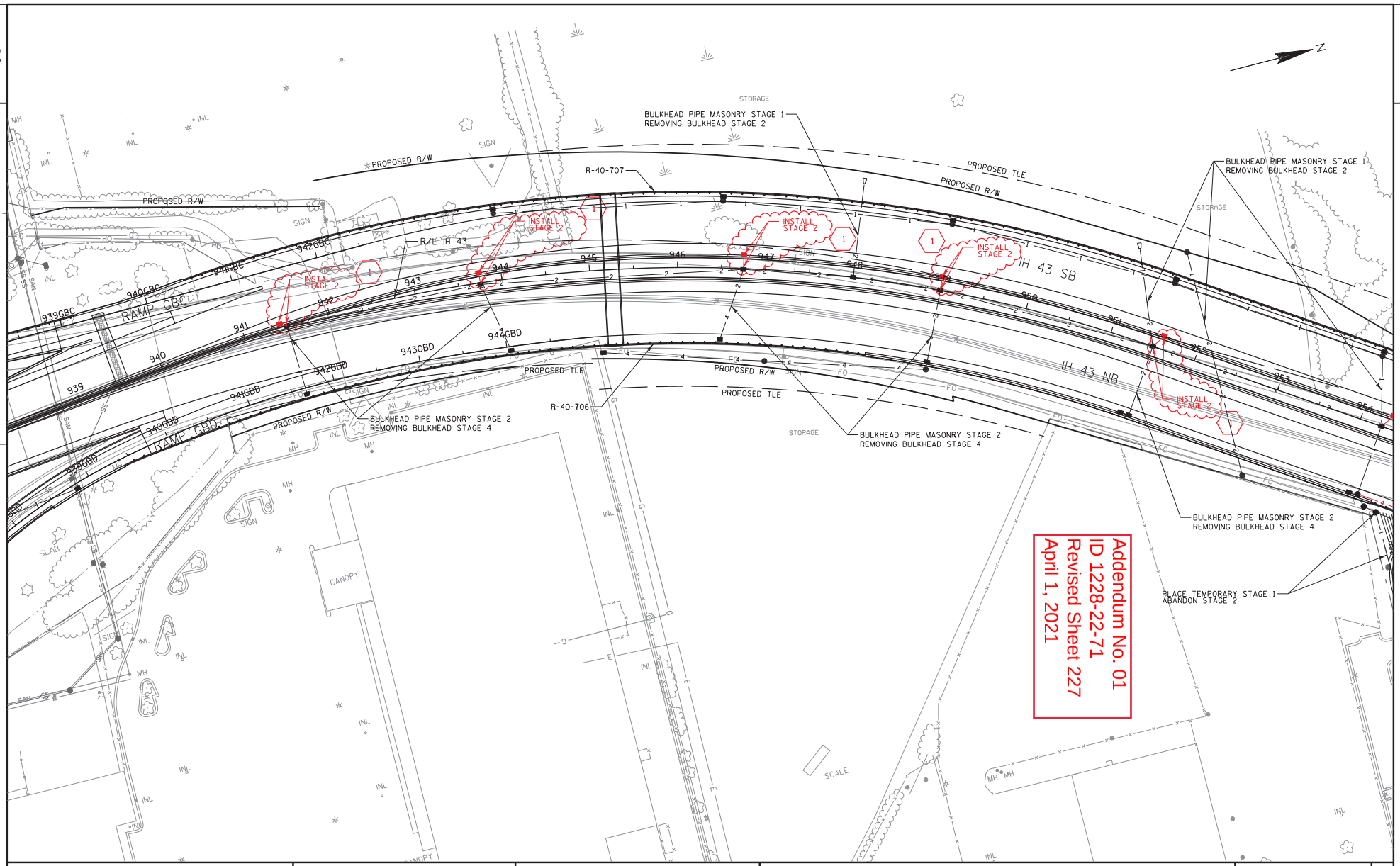
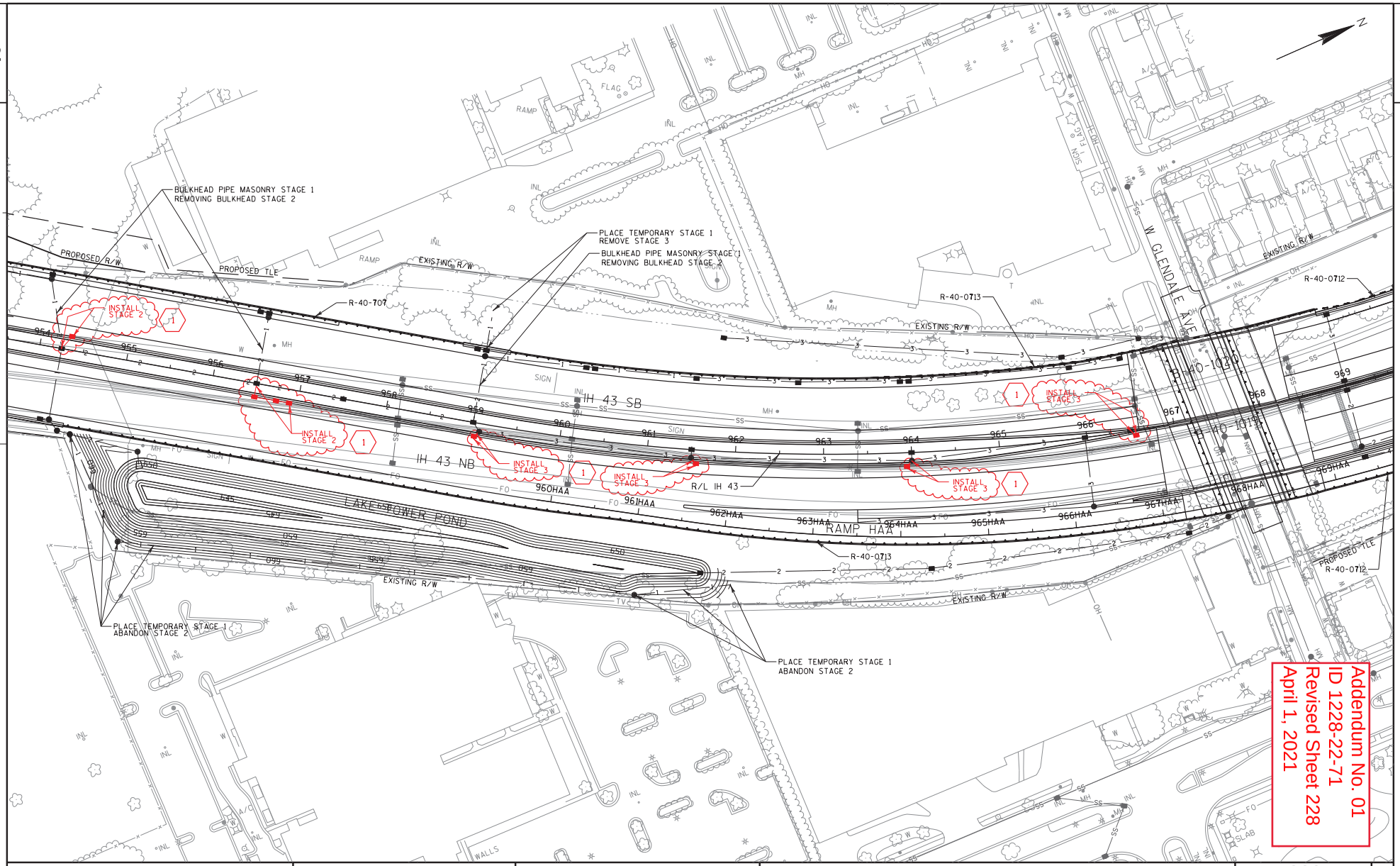


Addendum No. 01
ID 1228-22-71
Revised Sheet 227
April 1, 2021

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TEMPORARY AND PROPOSED STORM SEWER STAGING	SHEET 227	E

FILE NAME : C:\Users\wwolak\OneDrive - Kapur & Associates, Inc\Documents\Work\DOT WORK I43-NORTH SS\022523_SS.dgn PLOT DATE : 3/17/2021 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 41



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TEMPORARY AND PROPOSED STORM SEWER STAGING	SHEET 228	E

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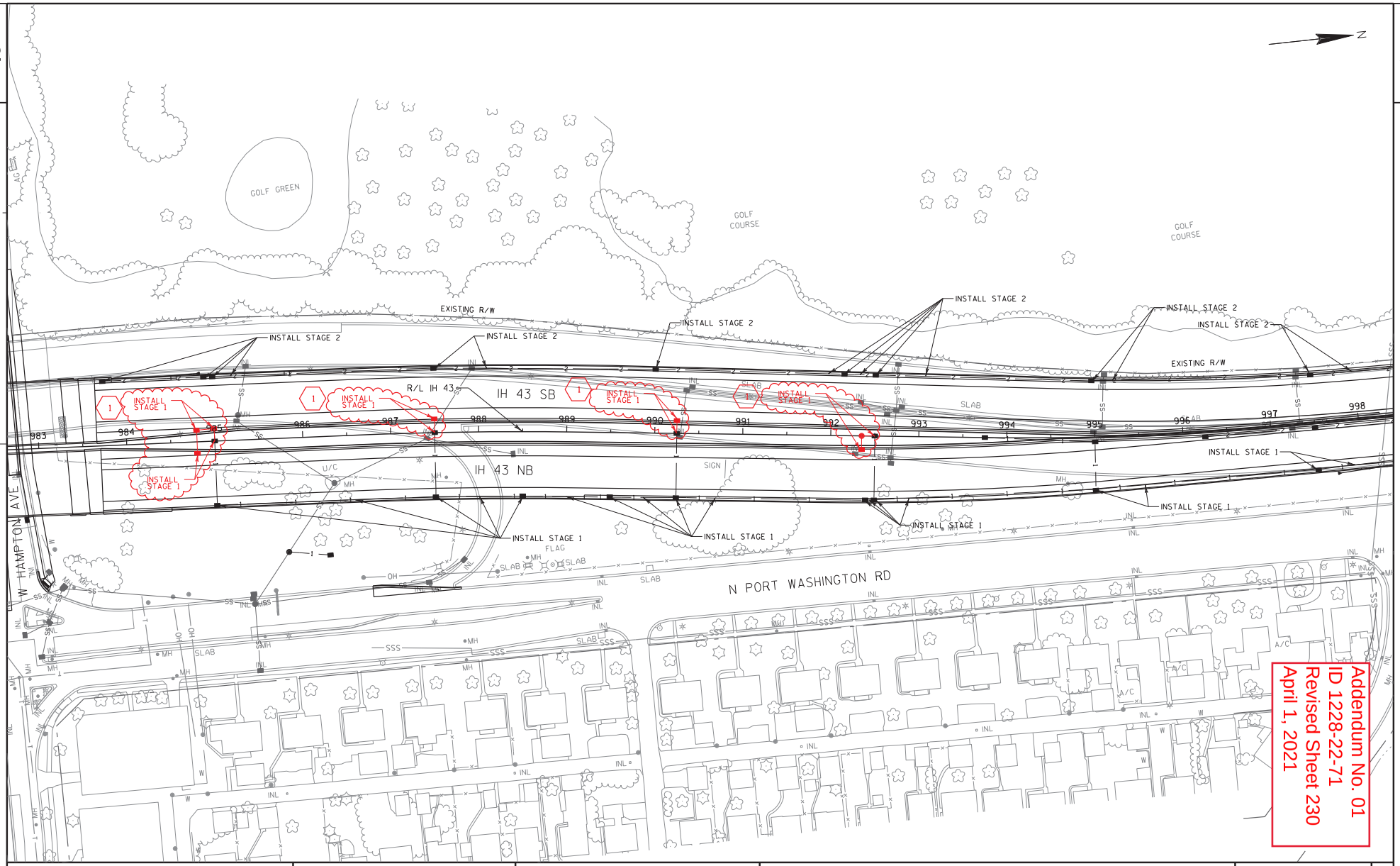
WISDOT/CADDS SHEET 41

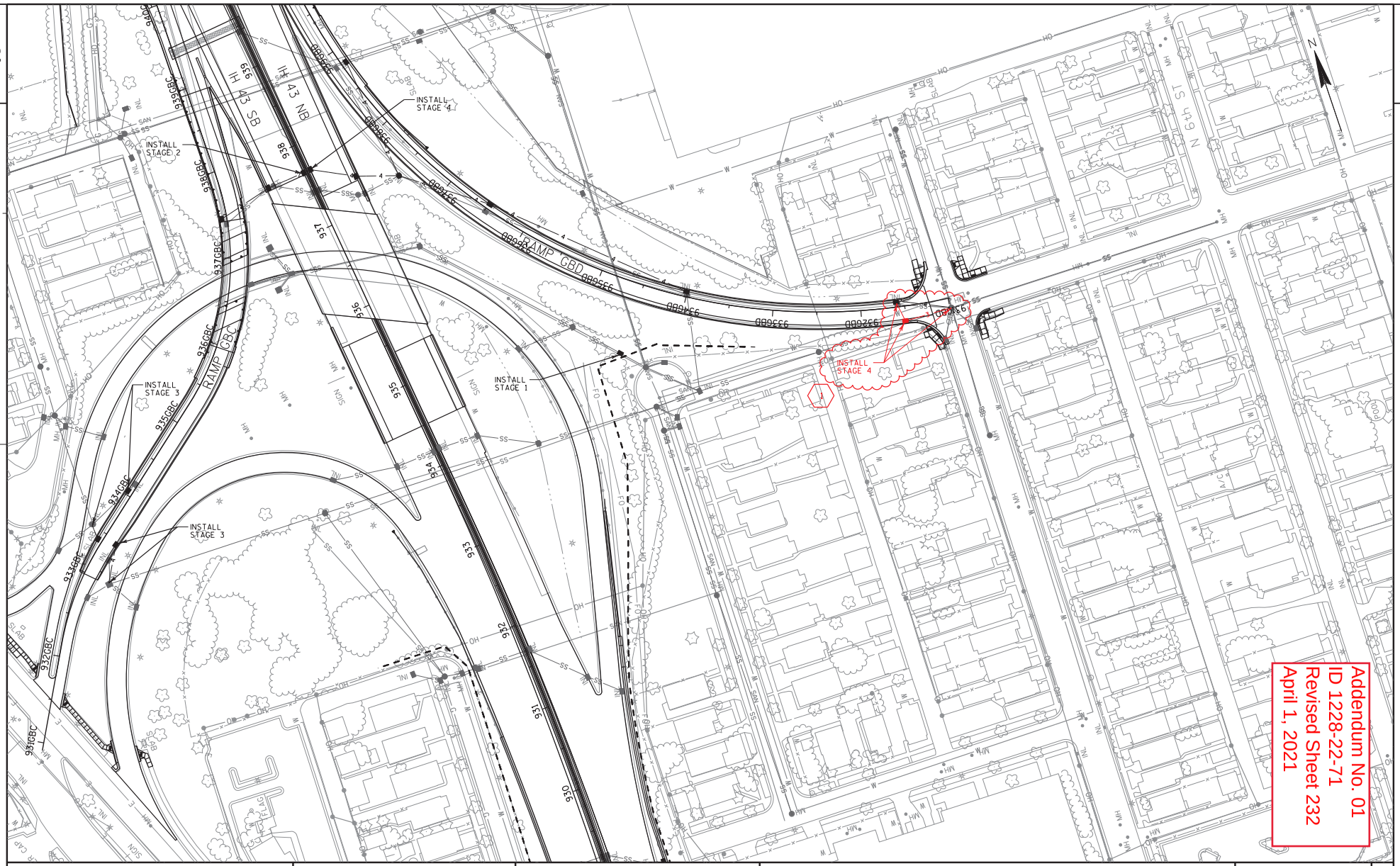


Addendum No. 01
ID 1228-22-71
Revised Sheet 230
April 1, 2021

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TEMPORARY AND PROPOSED STORM SEWER STAGING	SHEET 230	E

FILE NAME : C:\Users\wwolak\OneDrive - Kapur & Associates, Inc\Documents\Work\DOT WORK I43-NORTH SS\022526_SS.dgn PLOT DATE : 3/15/2021 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 41



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TEMPORARY AND PROPOSED STORM SEWER STAGING	SHEET 232	E

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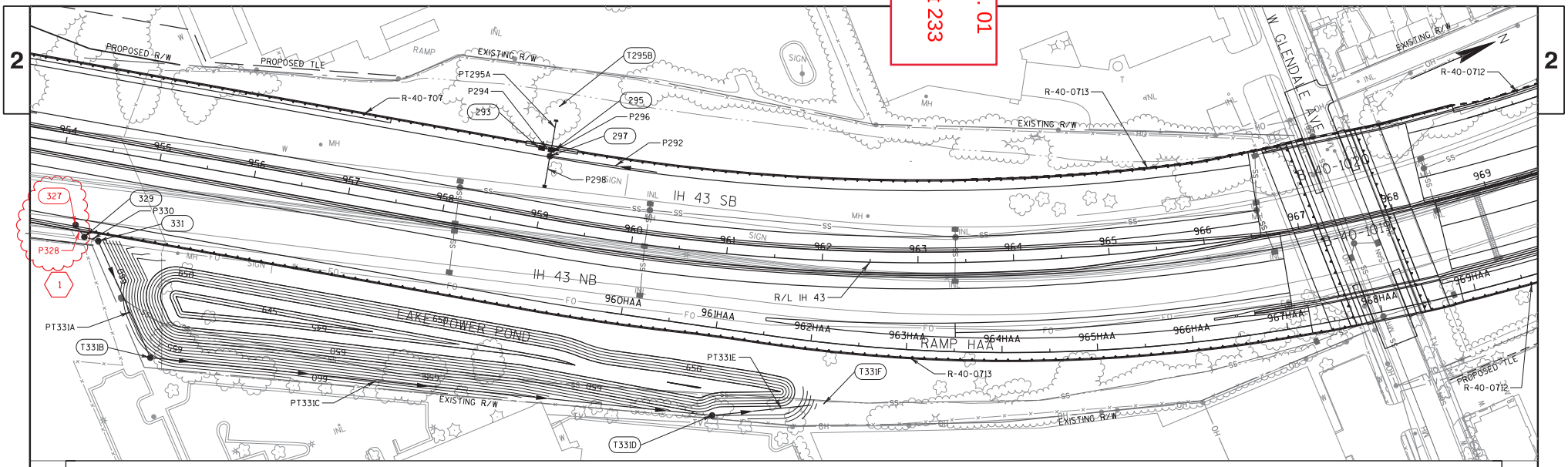
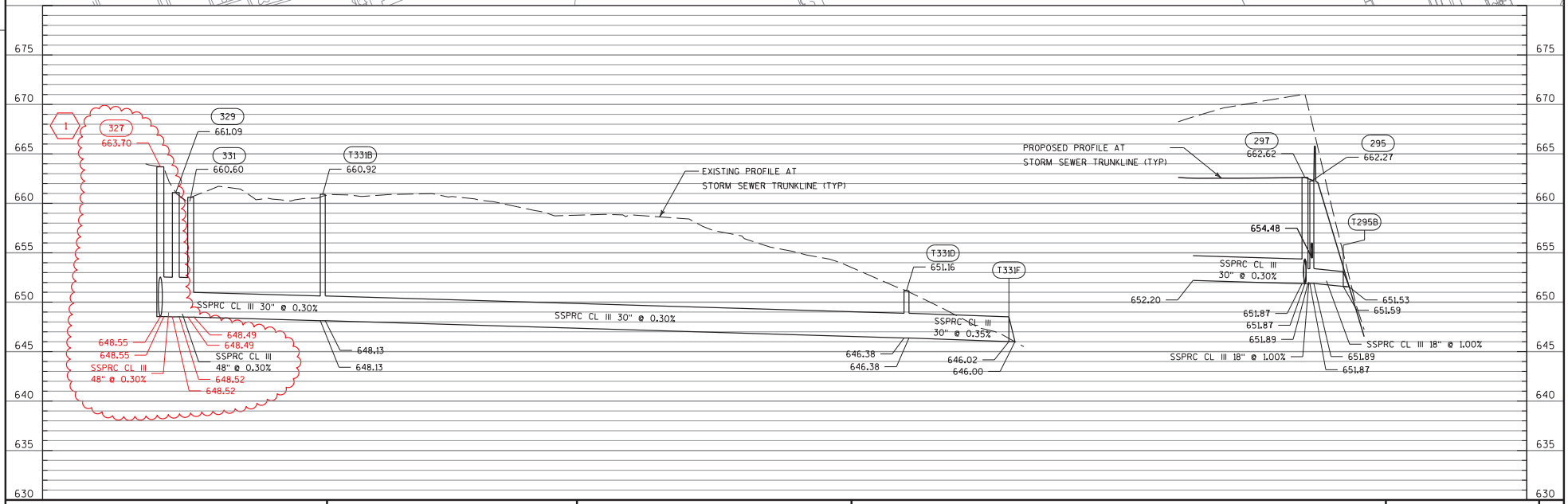
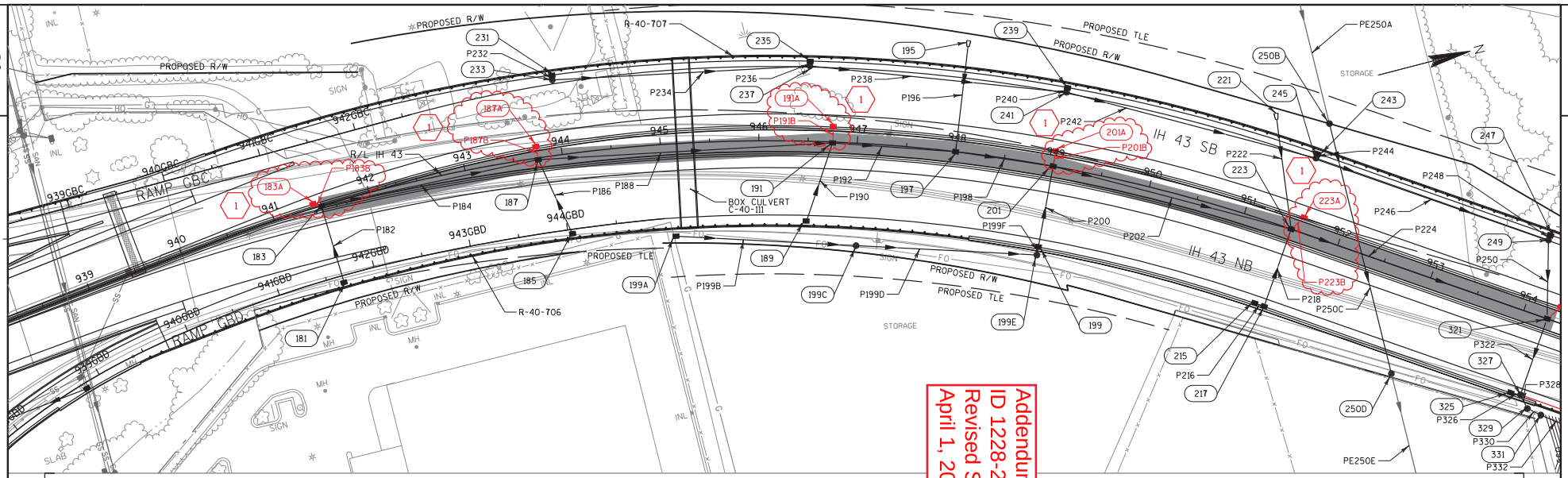
WISDOT/CADDS SHEET 41

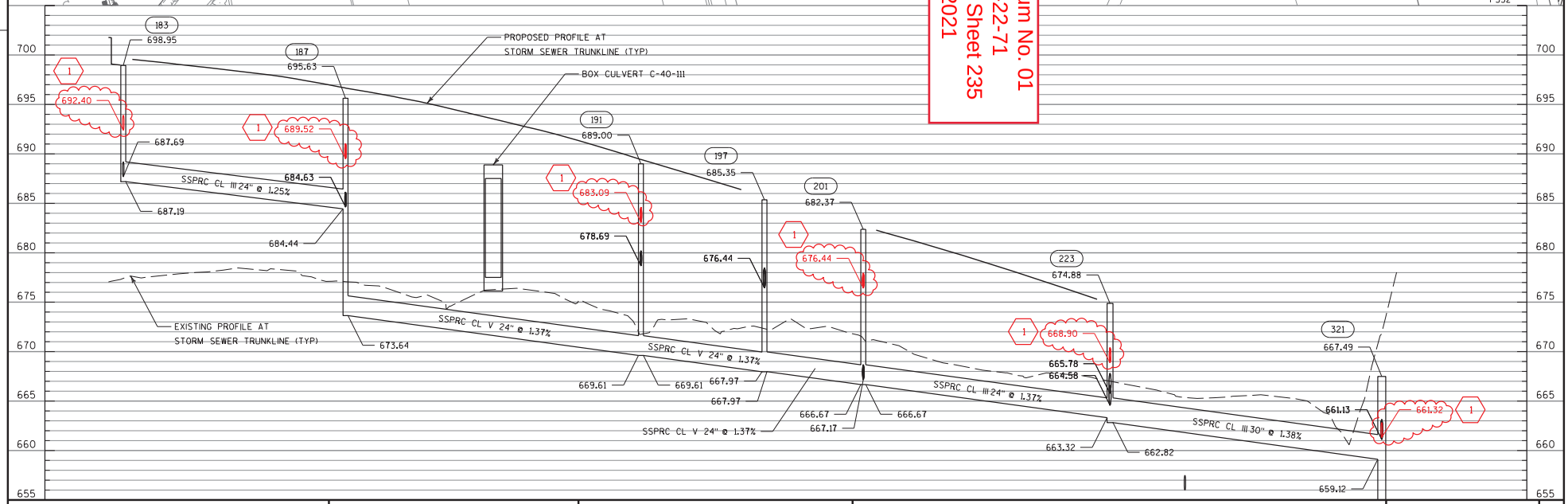
Addendum No. 01
ID 1228-22-71
Revised Sheet 233
April 1, 2021





PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TEMPORARY STORM SEWER PLAN AND PROFILE	SHEET 233	E



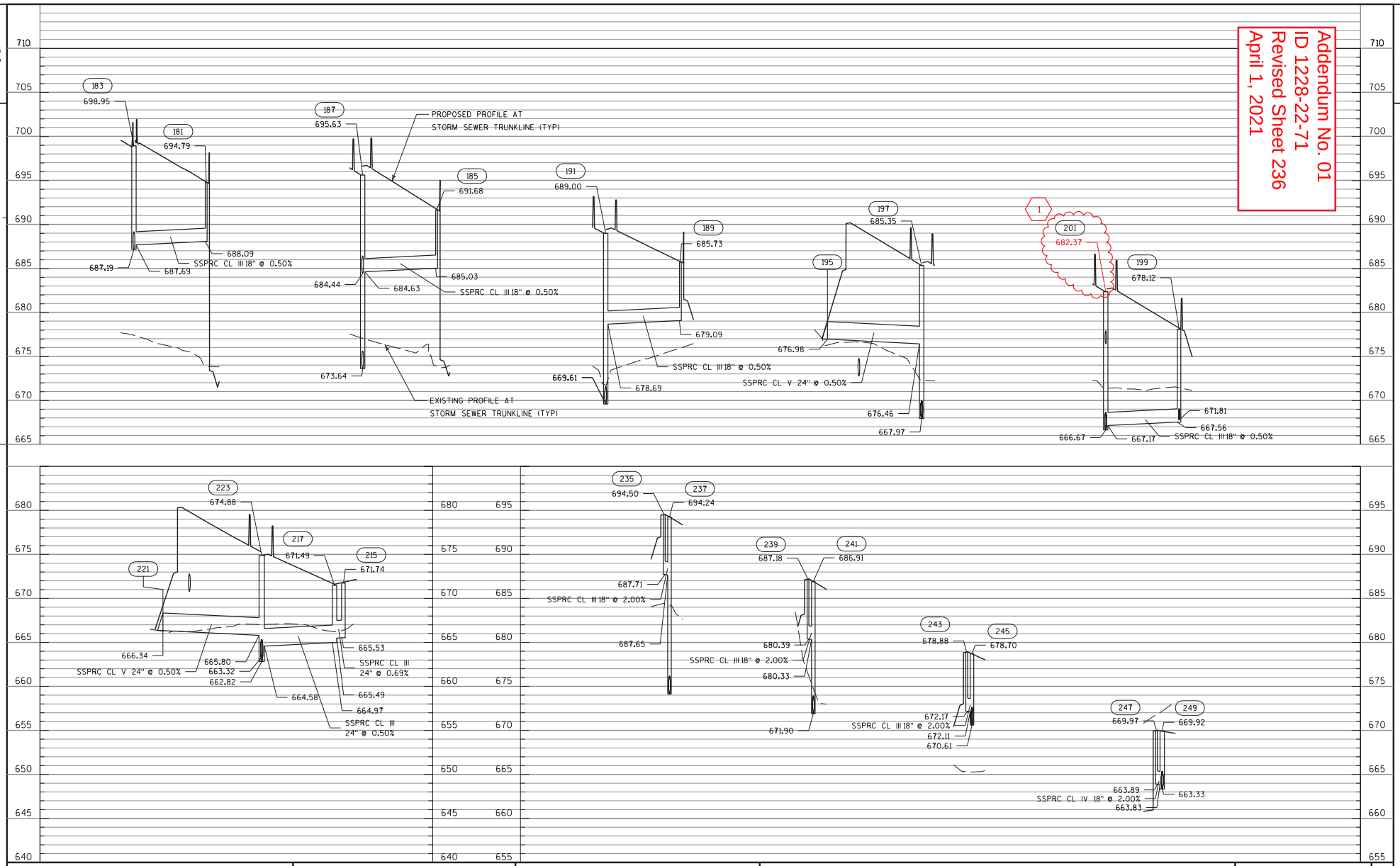


Addendum No. 01
ID 1228-22-71
Revised Sheet 235
April 1, 2021

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	STORM SEWER PLAN AND PROFILE	SHEET 235 E

FILE NAME : C:\Users\wwolak\OneDrive - Kapur & Associates, Inc\Documents\Work\DOT WORK I43-NORTH SS\022531_SS.dgn PLOT DATE : 3/15/2021 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

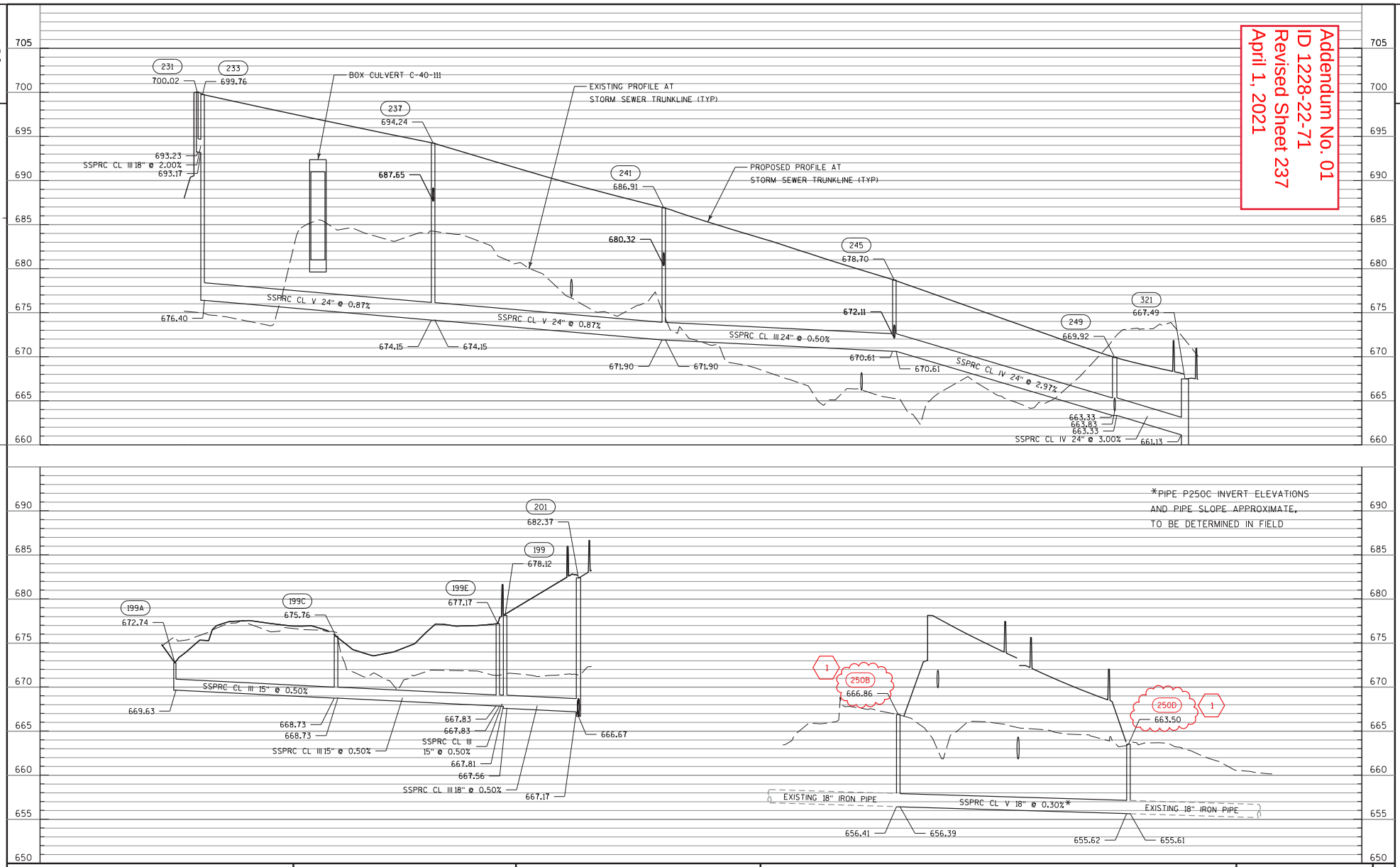
WISDOT/CADDS SHEET 41



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	STORM SEWER PROFILES	SHEET	E

FILE NAME : C:\Users\wwolak\OneDrive - Kapur & Associates, Inc\Documents\Work\DOT WORK I43-NORTH SS\022531A_SS.dgn PLOT DATE : 3/15/2021 PLOT BY : wwolak PLOT NAME : $FILE$ PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

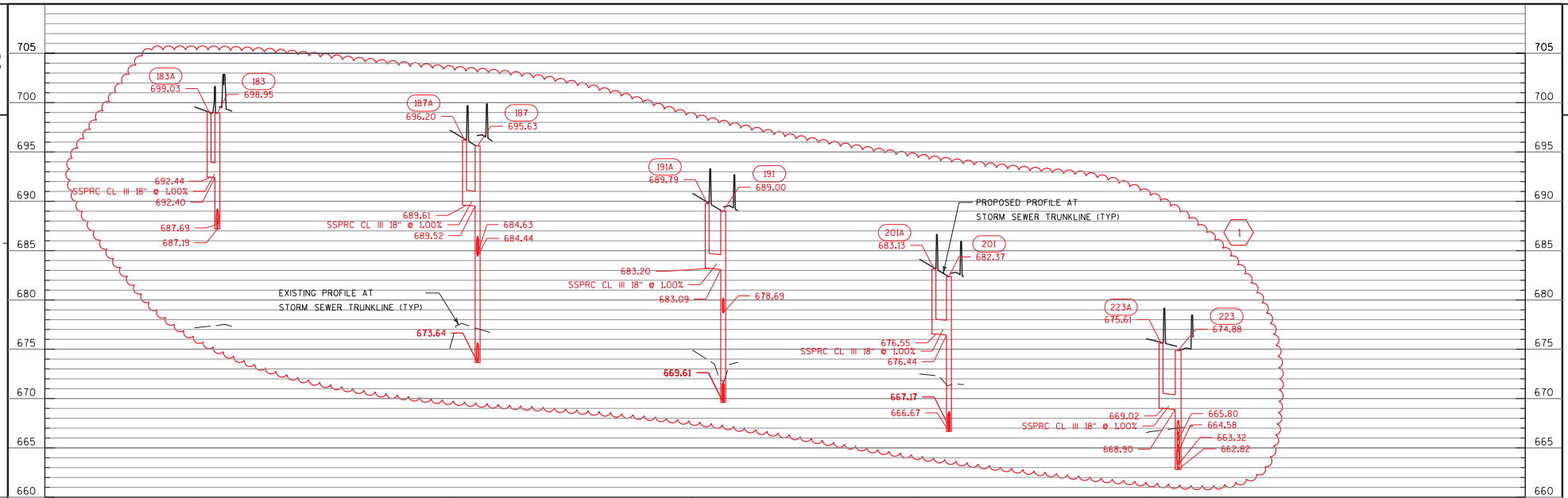


Addendum No. 01
ID 1228-22-71
Revised Sheet 237
April 1, 2021

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	STORM SEWER PROFILES	SHEET 237	E

FILE NAME : C:\Users\wwolak\OneDrive - Kapur & Associates, Inc\Documents\Work\DOT WORK I43-NORTH SS\022531B_SS.dgn PLOT DATE : 3/15/2021 PLOT BY : wwolak PLOT NAME : $FILE$ PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42



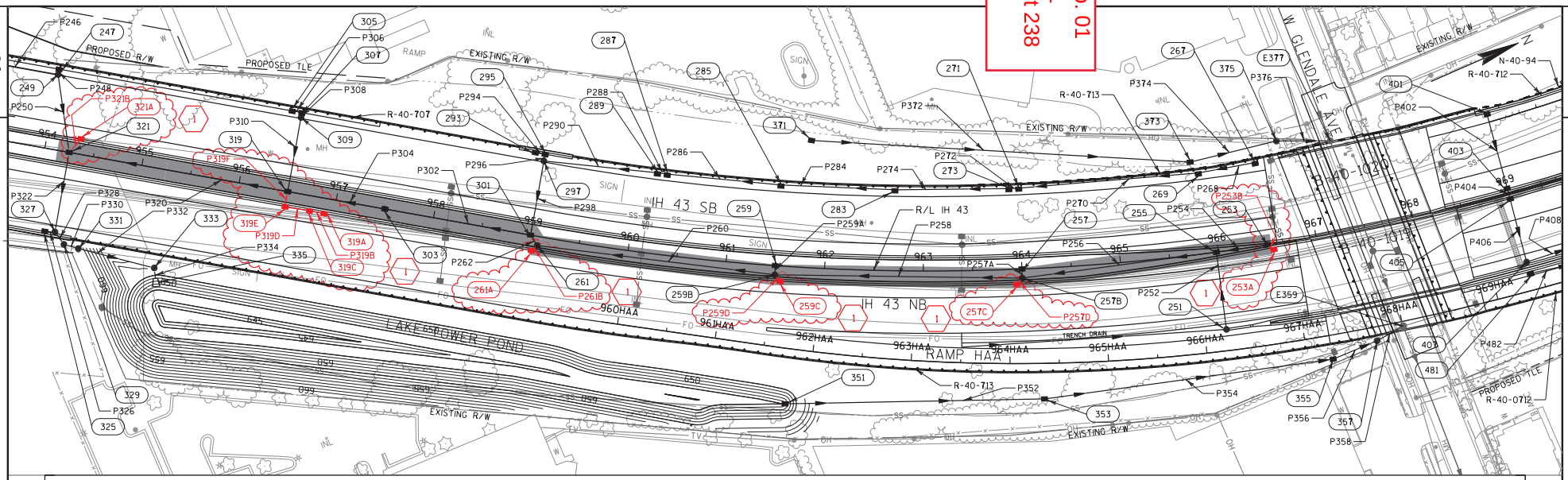
Addendum No. 01
ID 1228-22-71
Added Sheet 237A
April 1, 2021

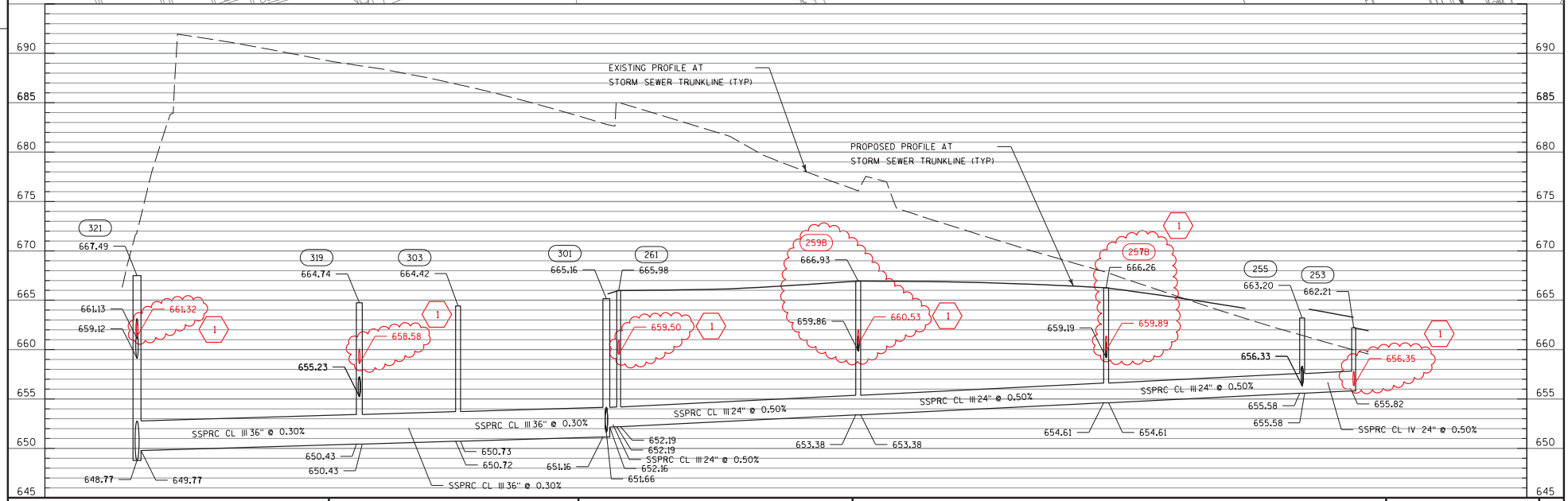
PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	STORM SEWER PROFILES	SHEET 237A	E

FILE NAME : C:\Users\wwolak\OneDrive - Kapur & Associates, Inc\Documents\Work\DOT WORK I43-NORTH SS\022531C_SS.dgn PLOT DATE : 3/15/2021 PLOT BY : wwolak PLOT NAME : $FILE$ PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

Addendum No. 01
ID 1228-22-71
Revised Sheet 238
April 1, 2021

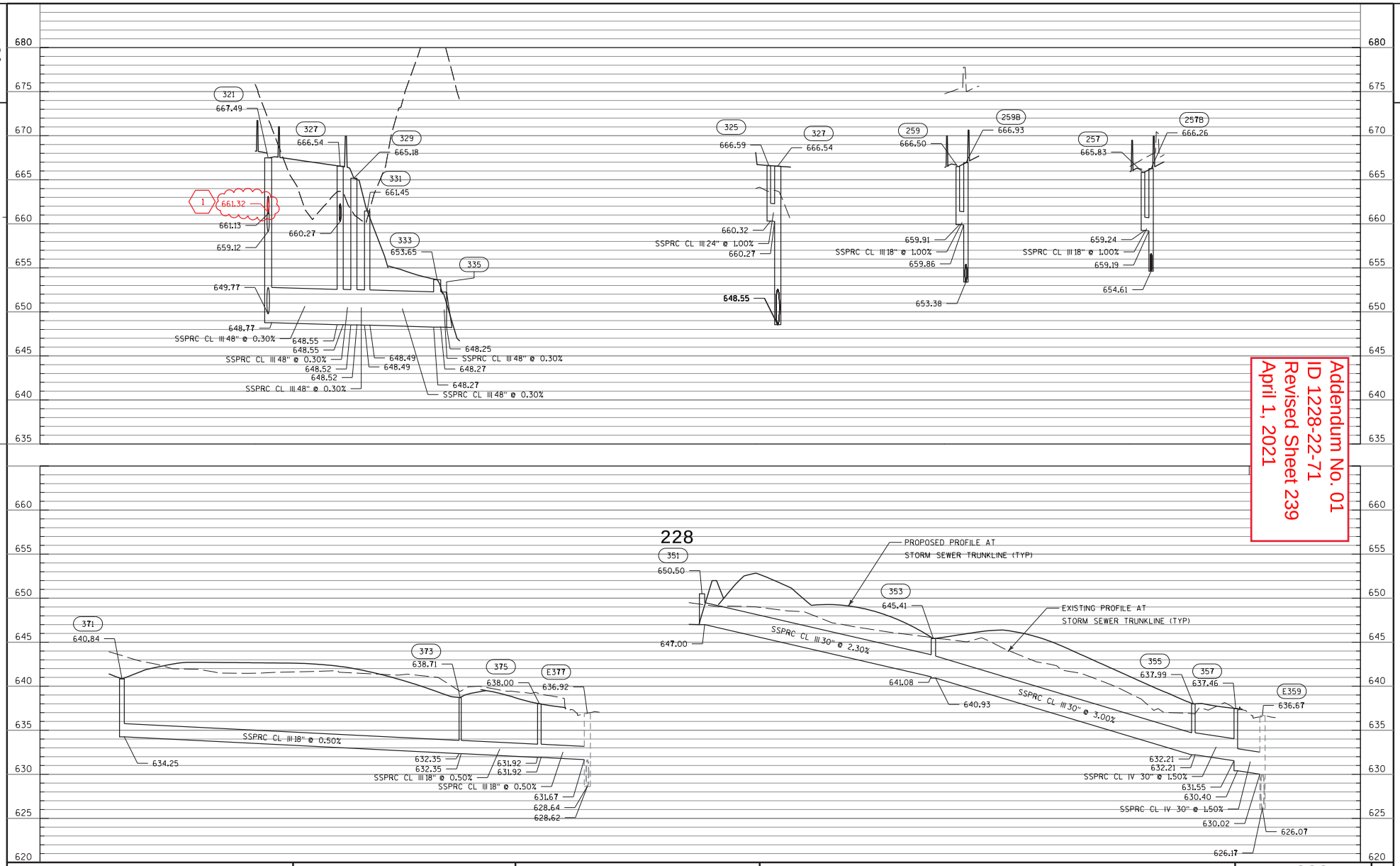




PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	STORM SEWER PLAN AND PROFILE	SHEET 238	E

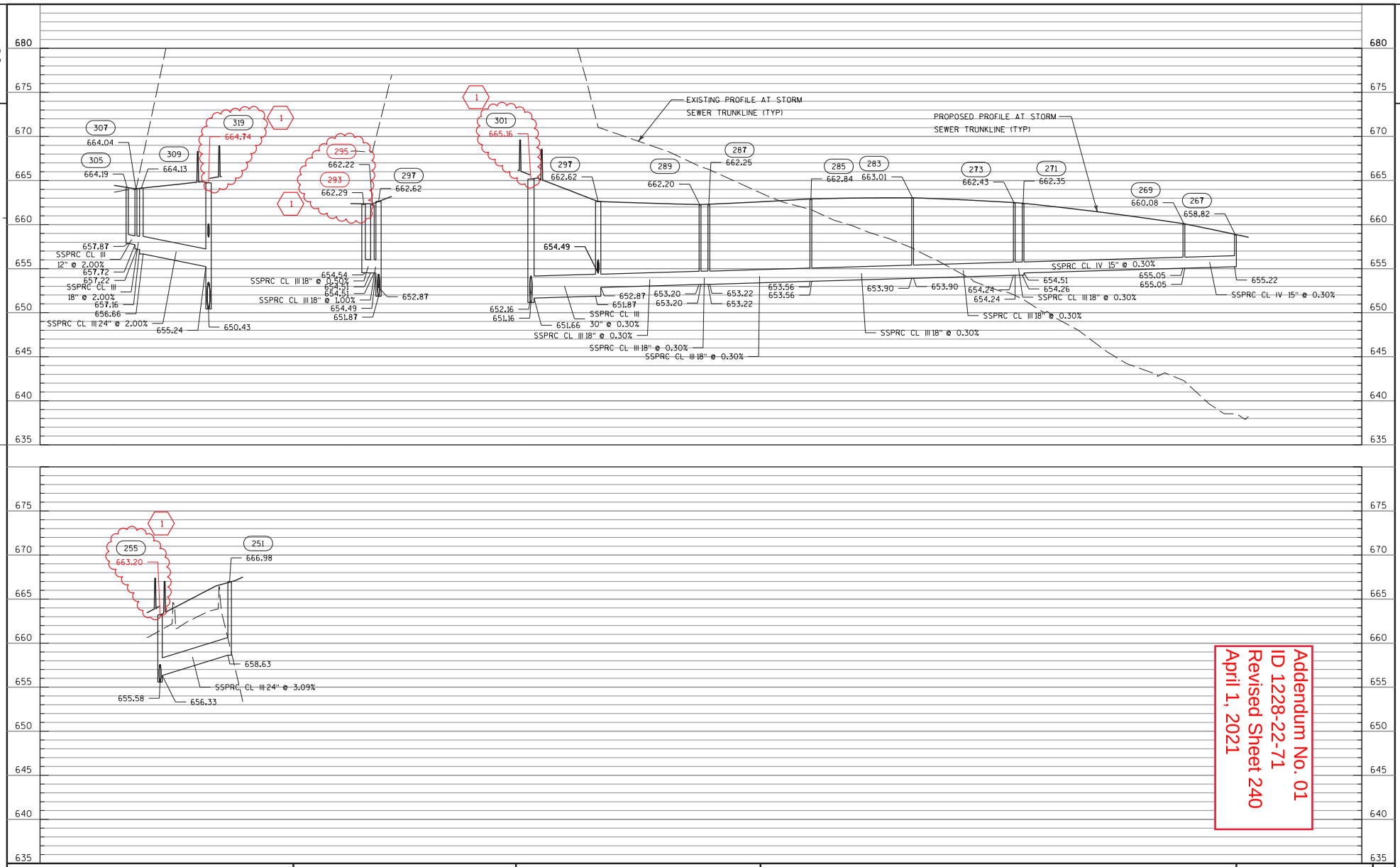
FILE NAME : C:\Users\wwolak\OneDrive - Kapur & Associates, Inc\Documents\Work\DOT WORK I43-NORTH SS\022532_SS.dgn PLOT DATE : 3/26/2021 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 41



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	STORM SEWER PROFILES	SHEET 239	E

FILE NAME : C:\Users\wwolak\OneDrive - Kapur & Associates, Inc\Documents\Work\DOT WORK I43-NORTH SS\022532A_SS.dgn PLOT DATE : 3/26/2021 PLOT BY : wwolak PLOT NAME : $FILE$ PLOT SCALE : 1:100

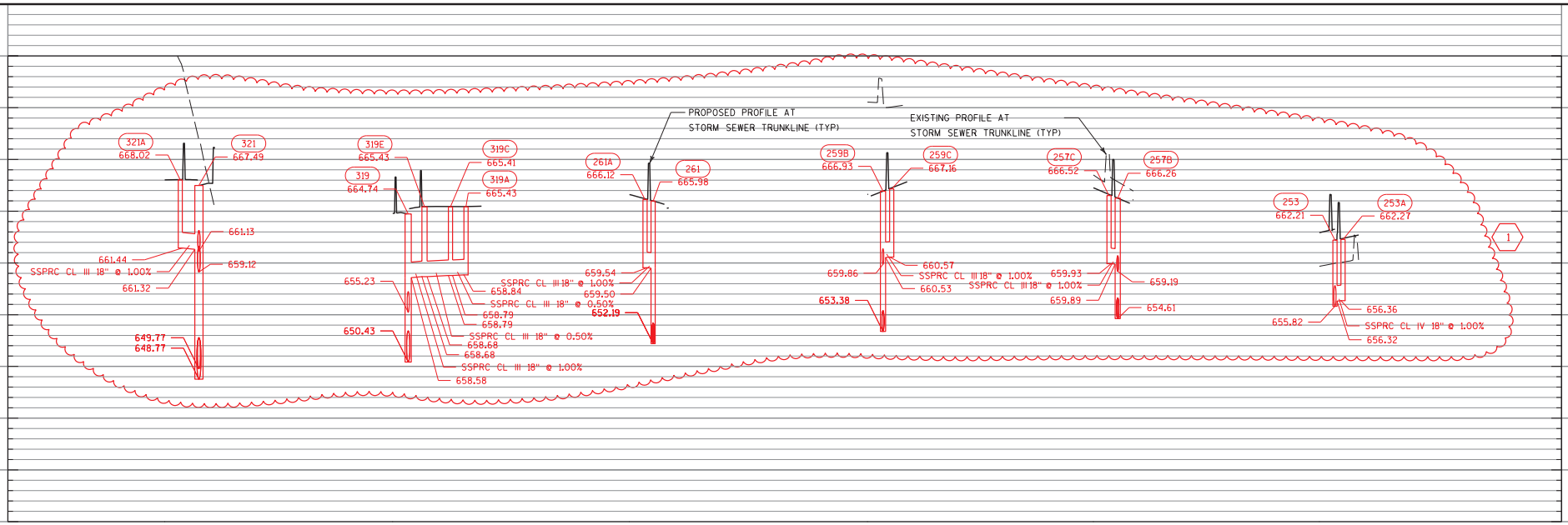


Addendum No. 01
ID 1228-22-71
Revised Sheet 240
April 1, 2021

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	STORM SEWER PROFILES	SHEET 240	E

FILE NAME : C:\Users\wwolak\OneDrive - Kapur & Associates, Inc\Documents\Work\DOT WORK I43-NORTH SS\022532B_SS.dgn PLOT DATE : 3/26/2021 PLOT BY : wwolak PLOT NAME : $FILE$ PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

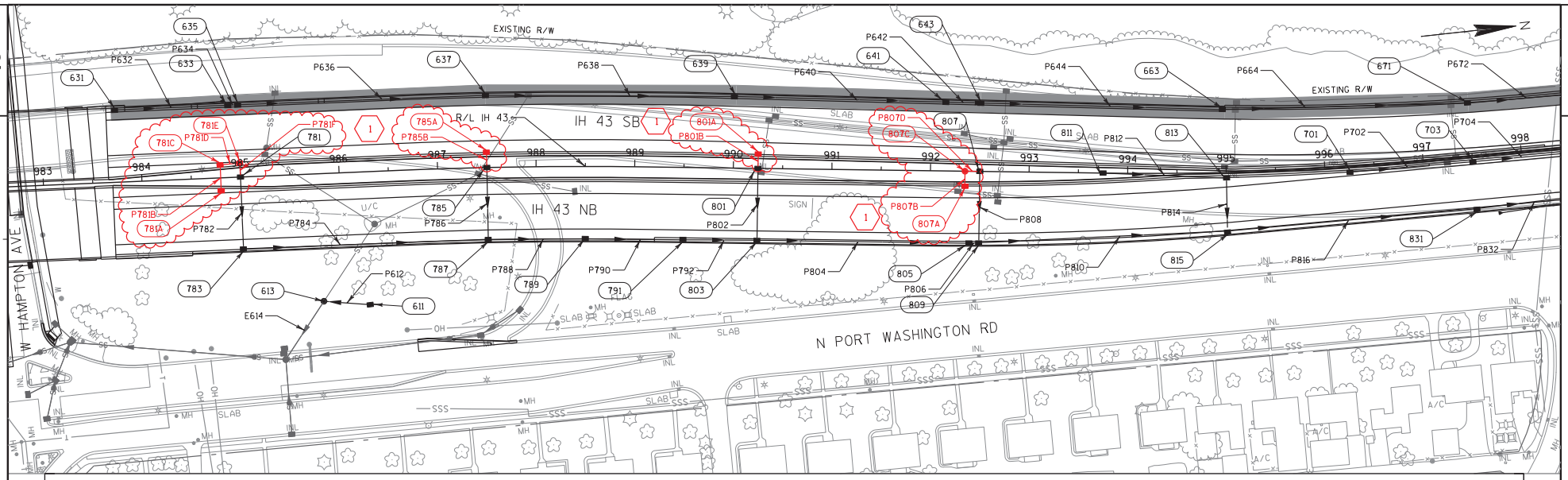


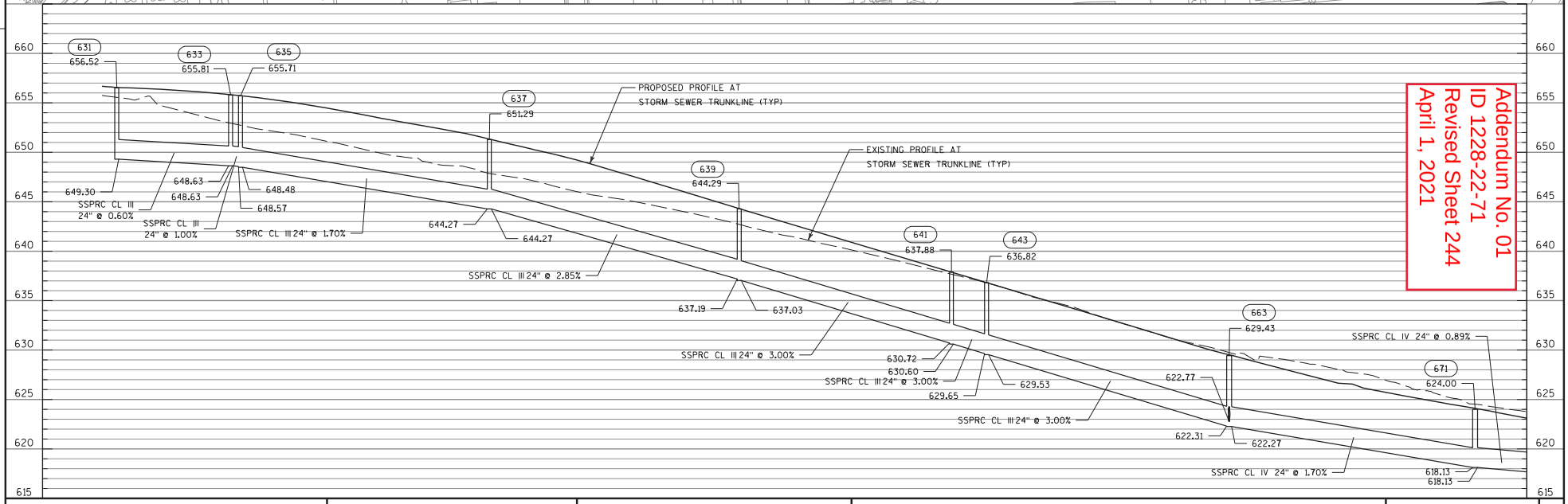
Addendum No. 01
ID 1228-22-71
Added Sheet 240A
April 1, 2021

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	STORM SEWER PROFILES	SHEET 240A	E

FILE NAME : C:\Users\wwolak\OneDrive - Kapur & Associates, Inc\Documents\Work\DOT WORK I43-NORTH SS\022532C_SS.dgn PLOT DATE : 3/15/2021 PLOT BY : wwolak PLOT NAME : $FILE$ PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

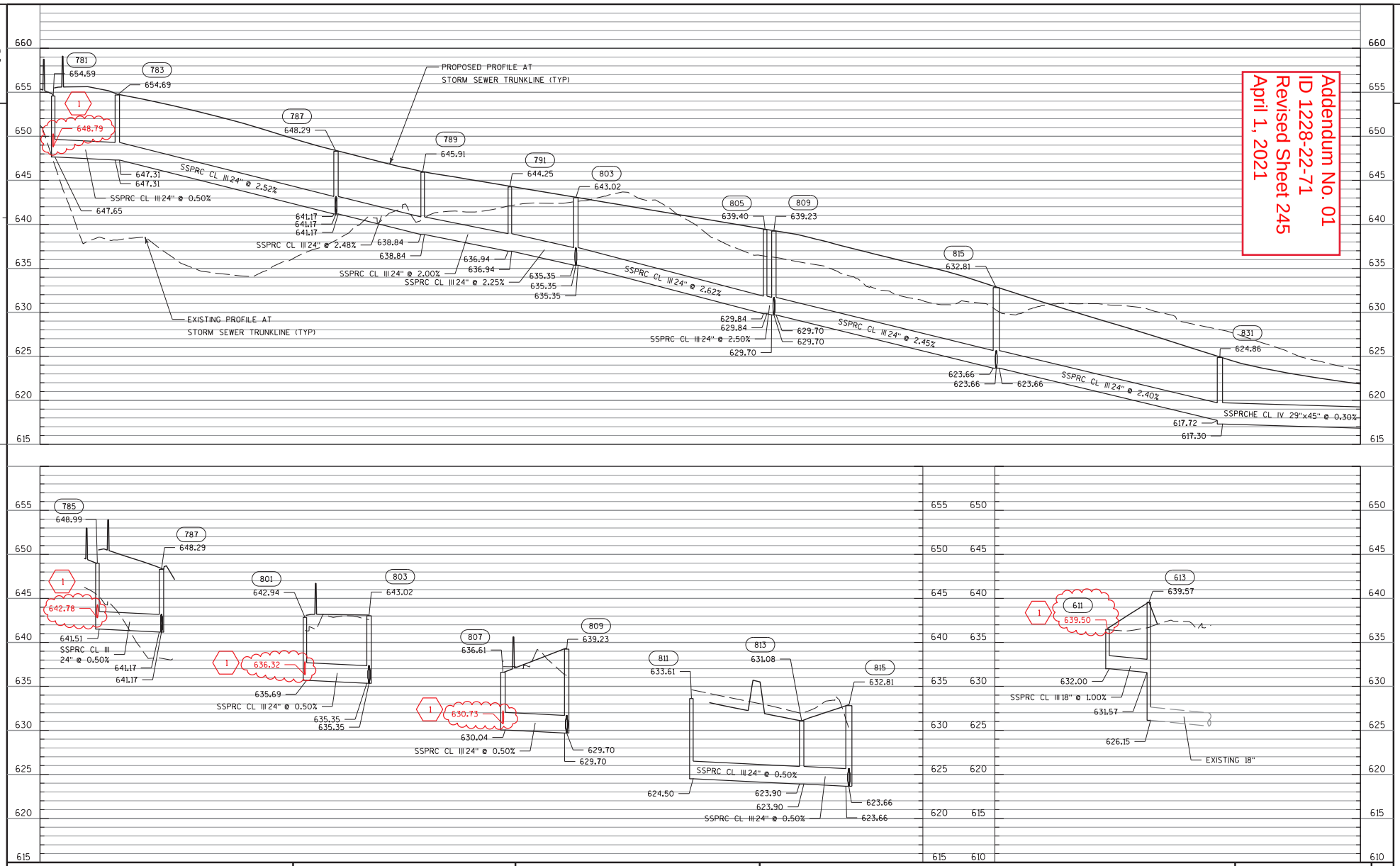




Addendum No. 01
ID 1228-22-71
Revised Sheet 244
April 1, 2021

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	STORM SEWER PLAN AND PROFILE	SHEET 244	E

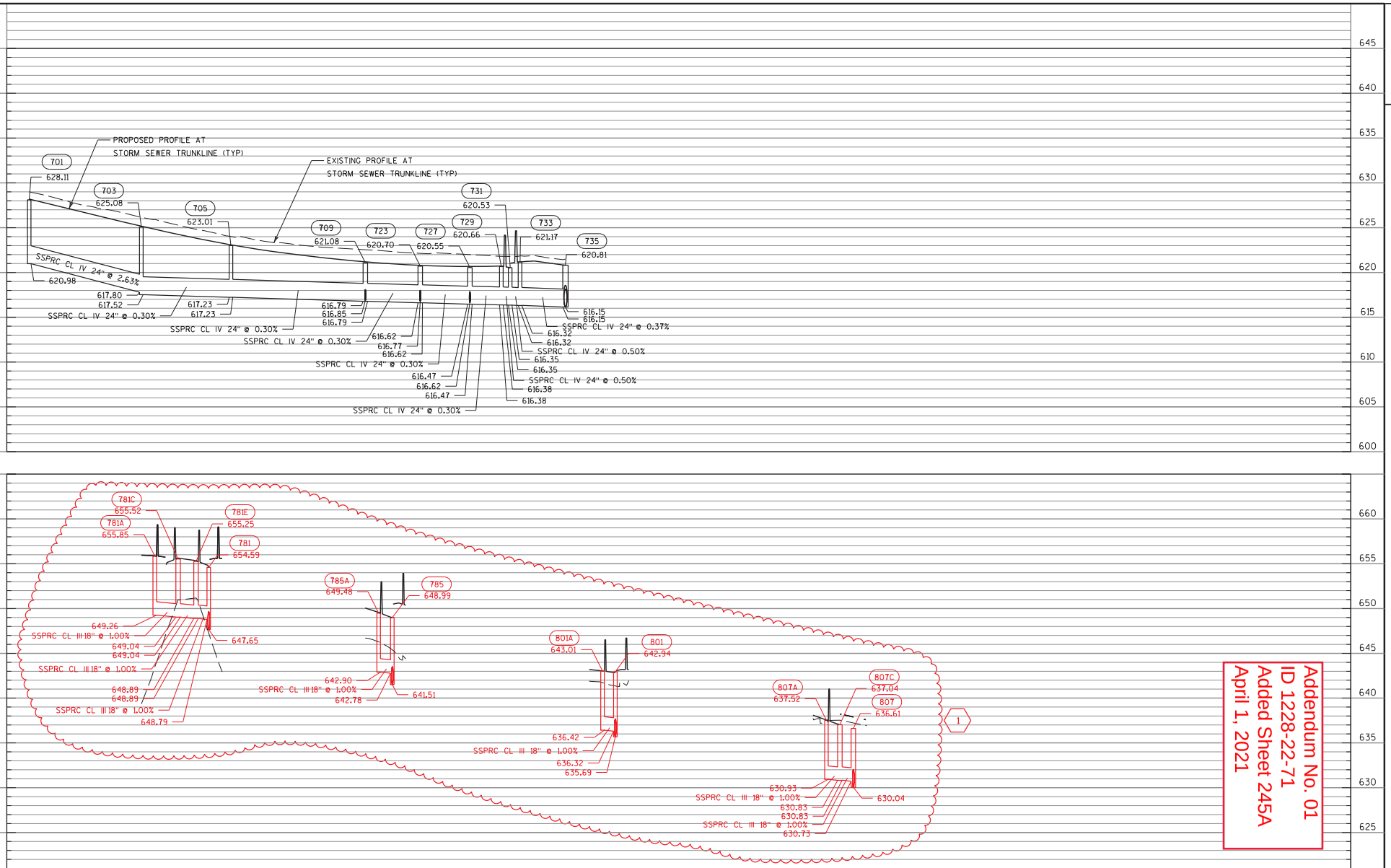
FILE NAME : C:\Users\wwolak\OneDrive - Kapur & Associates, Inc\Documents\Work\DOT WORK I43-NORTH SS\022534_SS.dgn PLOT DATE : 3/15/2021 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100 WISDOT/CADDS SHEET 41



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	STORM SEWER PROFILES	SHEET 245	E

FILE NAME : C:\Users\wwolak\OneDrive - Kapur & Associates, Inc\Documents\Work\DOT WORK I43-NORTH SS\022534A_SS.dgn PLOT DATE : 3/15/2021 PLOT BY : wwolak PLOT NAME : $FILE$ PLOT SCALE : 1:100

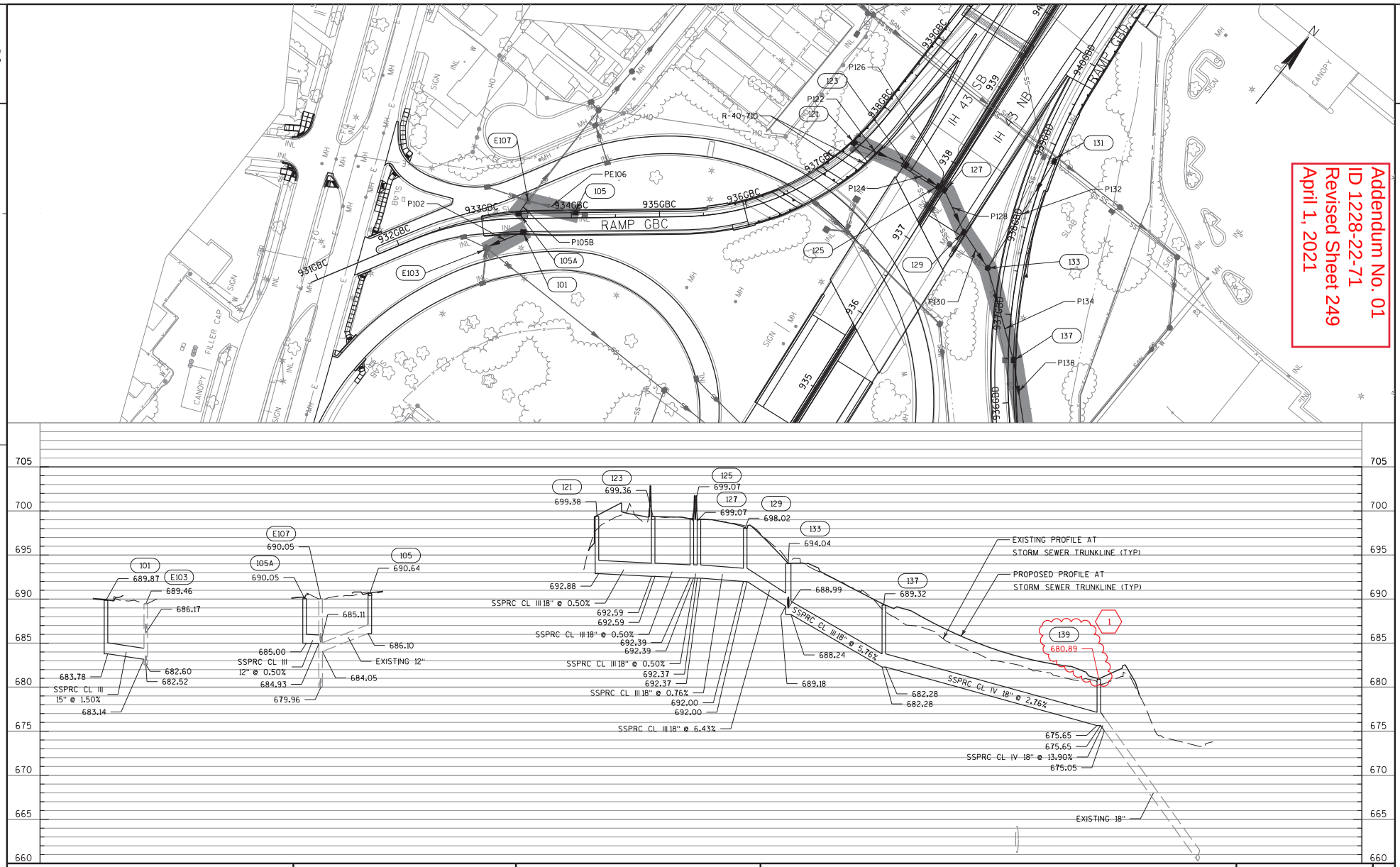
WISDOT/CADDS SHEET 42



Addendum No. 01
ID 1228-22-71
Added Sheet 245A
April 1, 2021

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	STORM SEWER PROFILES	SHEET 245A E

FILE NAME : C:\Users\wwolak\OneDrive - Kapur & Associates, Inc\Documents\Work\DOT WORK I43-NORTH SS\022534B_SS.dgn PLOT DATE : 3/15/2021 PLOT BY : wwolak PLOT NAME : $FILE$ PLOT SCALE : 1:100



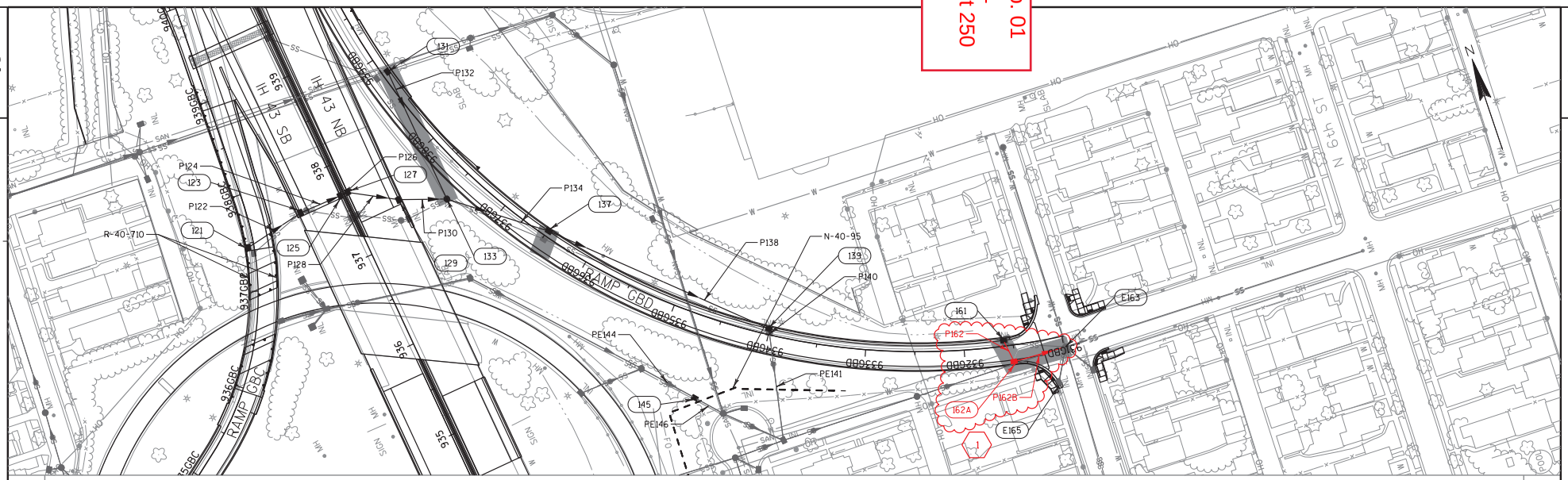
Addendum No. 01
ID 1228-22-71
Revised Sheet 249
April 1, 2021

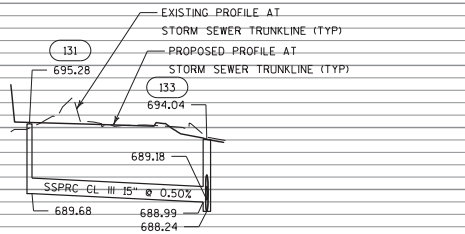
PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	STORM SEWER PLAN AND PROFILE	SHEET 249	E

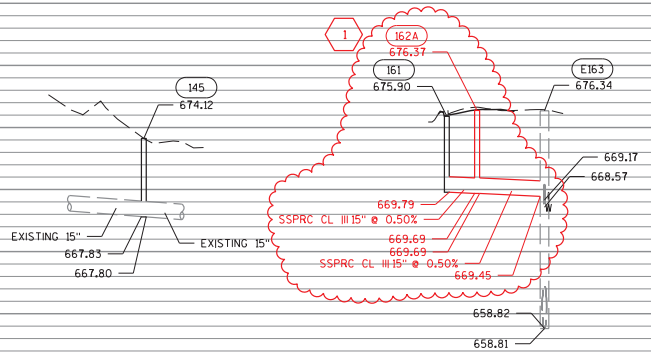
FILE NAME : C:\Users\wwolak\OneDrive - Kapur & Associates, Inc\Documents\Work\DOT WORK I43-NORTH SS\022551_SS.dgn PLOT DATE : 3/15/2021 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 41

Addendum No. 01
ID 1228-22-71
Revised Sheet 250
April 1, 2021



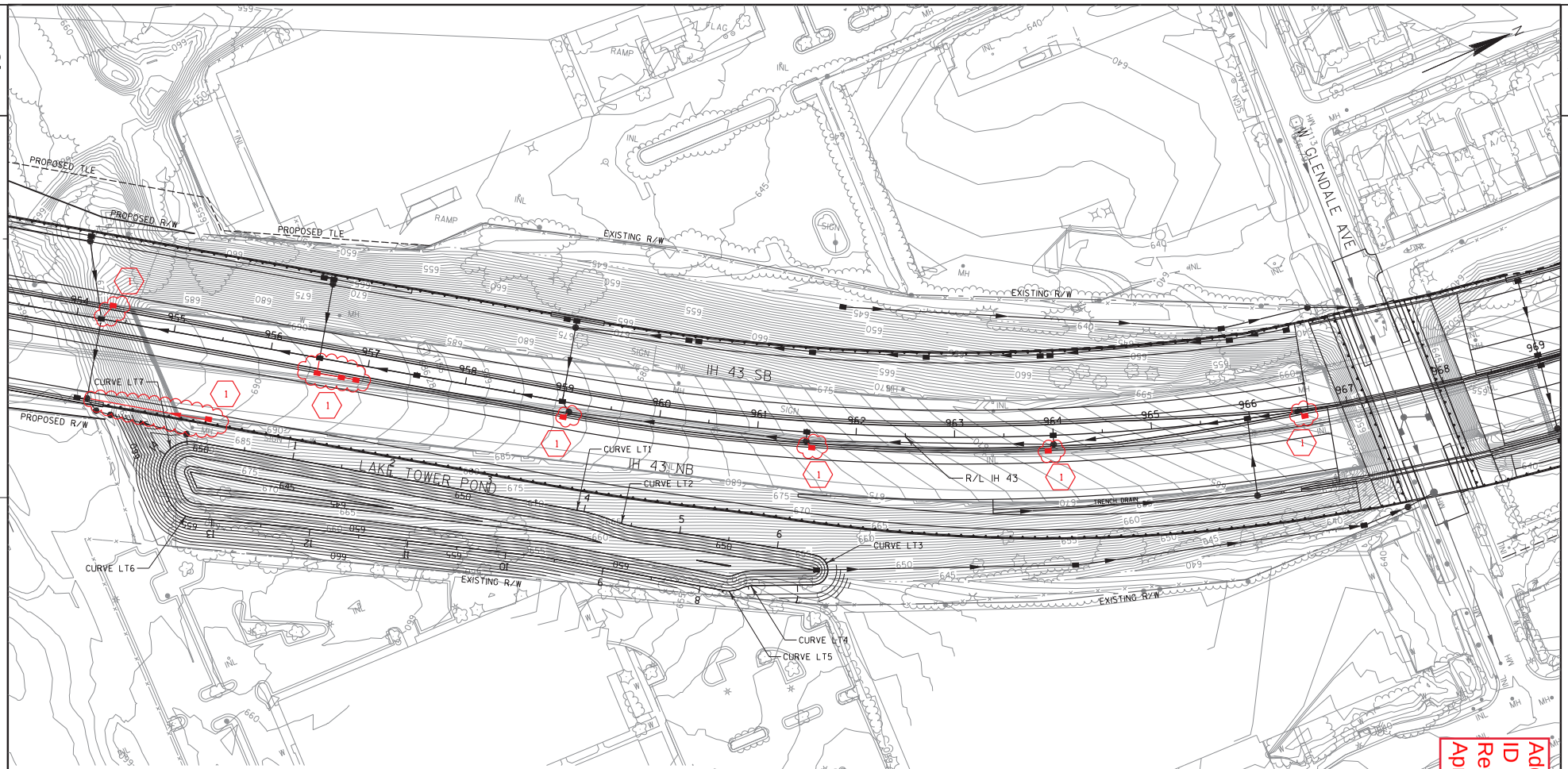




PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	STORM SEWER PLAN AND PROFILE	SHEET 250	E

FILE NAME : C:\Users\wwolak\OneDrive - Kapur & Associates, Inc\Documents\Work\DOT WORK I43-NORTH SS\022552_SS.dgn PLOT DATE : 3/15/2021 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 41



CURVE LT1	CURVE LT2	CURVE LT3	CURVE LT4	CURVE LT5	CURVE LT6	CURVE LT7
PC=3+91.69	PRC=4+29.10	PC=6+41.25	PC=7+45.22	PRC=7+57.55	PC=13+17.81	PC=13+68.50
X=603404.78	X=603428.64	X=603546.00	X=603547.41	X=603545.03	X=603256.26	X=603211.48
Y=321167.52	Y=321196.25	Y=321372.66	Y=321300.78	Y=321288.77	Y=320810.06	Y=320794.25
PI=4+10.45	PI=4+44.83	PI=7+42.14	PI=7+51.47	PI=7+66.98	PI=13+36.33	PI=14+25.96
X=603415.26	X=603439.86	X=603610.69	X=603544.97	X=603545.13	X=603247.30	X=603154.03
Y=321183.09	Y=321207.29	Y=321450.08	Y=321295.02	Y=321279.34	Y=320793.86	Y=320794.89
PRC=4+29.10	PT=4+60.41	PT=6+83.95	PRC=7+57.55	PT=7+75.82	PT=13+51.20	PT=14+35.21
X=603428.64	X=603448.09	X=603571.32	X=603545.03	X=603539.82	X=603228.78	X=603186.10
Y=321196.25	Y=321220.70	Y=321357.19	Y=321288.77	Y=321271.55	Y=320794.06	Y=320842.56
R=186.0187	R=128.9813	R=15.0000	R=30.0000	R=30.0000	R=31.0000	R=31.0000
DELTA=11°31'22" RT	DELTA=13°54'44" LT	DELTA=163°05'12" RT	DELTA=23°33'23" LT	DELTA=34°53'20" RT	DELTA=61°42'13" RT	DELTA=123°18'05" RT
D=30°48'04"	D=44°25'18"	D=381°58'19"	D=190°59'09"	D=190°59'09"	D=184°49'30"	D=184°49'30"
L=37.4100	L=31.3184	L=42.6960	L=12.3341	L=18.2678	L=33.3848	L=66.7125
T=18.7683	T=15.7366	T=100.8899	T=6.2554	T=9.4270	T=18.5177	T=57.4548
BK=N 33°56'18" E	BK=N 45°27'40" E	BK=N 39°52'58" E	BK=S 22°58'11" W	BK=S 0°35'13" E	BK=S 28°56'00" W	BK=N 89°21'47" W
AH=N 45°27'40" E	AH=N 31°32'56" E	AH=S 22°58'11" W	AH=S 0°35'13" E	AH=S 34°18'08" W	AH=N 89°21'47" W	AH=N 33°56'18" E

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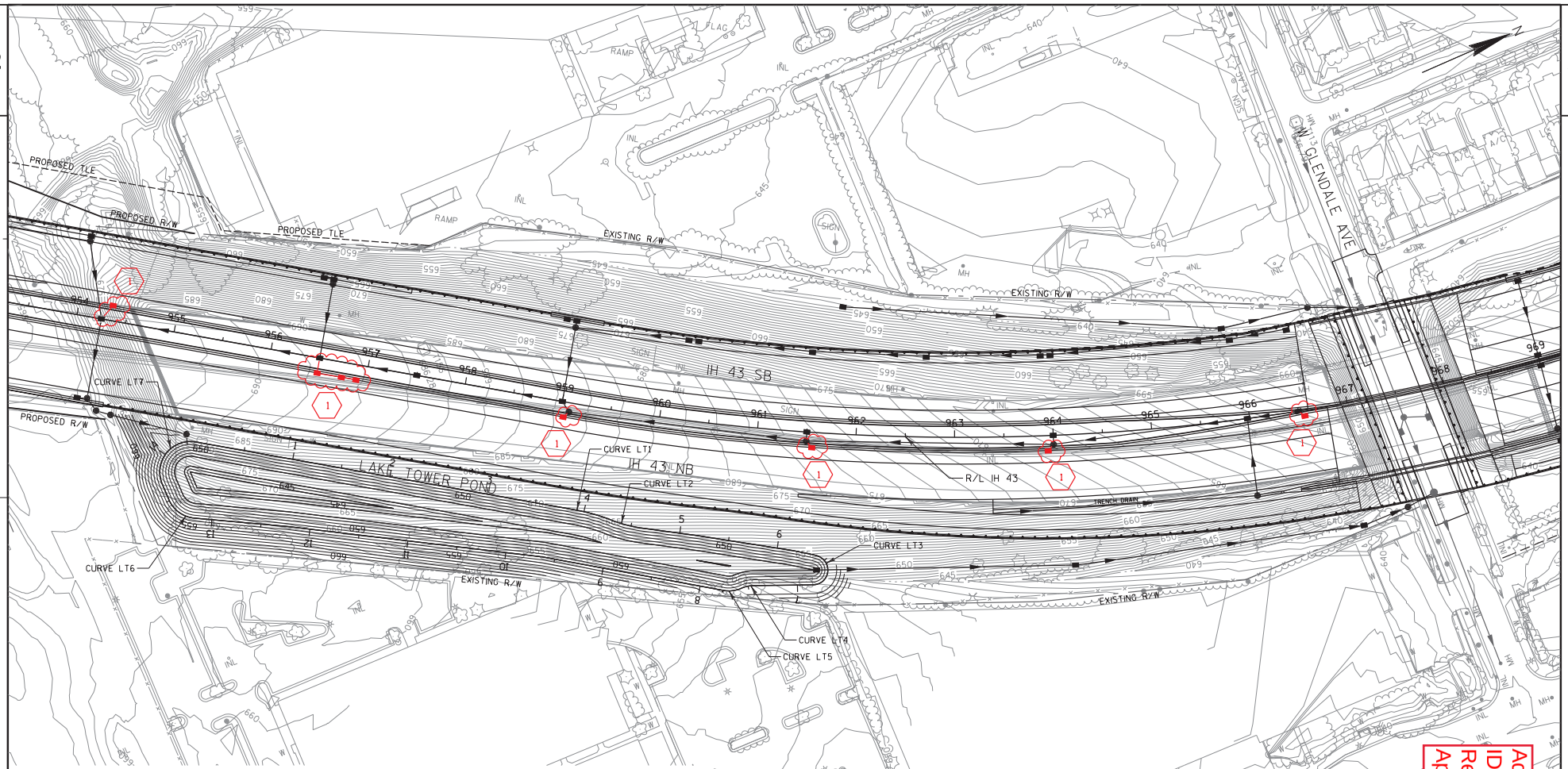
ID 1228-22-71
Revised Sheet 252
April 1, 2021

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	STORM SEWER LAKE TOWER POND OVERVIEW	SHEET 252	E

FILE NAME : C:\Users\wwolak\OneDrive - Kapur & Associates, Inc\Documents\Work\DOT WORK I43-NORTH SS\022572_SS.dgn PLOT DATE : 3/15/2021 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 41



CURVE LT1	CURVE LT2	CURVE LT3	CURVE LT4	CURVE LT5	CURVE LT6	CURVE LT7
PC=3+91.69	PRC=4+29.10	PC=6+41.25	PC=7+45.22	PRC=7+57.55	PC=13+17.81	PC=13+68.50
X=603404.78	X=603428.64	X=603546.00	X=603547.41	X=603545.03	X=603256.26	X=603211.48
Y=321167.52	Y=321196.25	Y=321372.66	Y=321300.78	Y=321288.77	Y=320810.06	Y=320794.25
PI=4+10.45	PI=4+44.83	PI=7+42.14	PI=7+51.47	PI=7+66.98	PI=13+36.33	PI=14+25.96
X=603415.26	X=603439.86	X=603610.69	X=603544.97	X=603545.13	X=603247.30	X=603154.03
Y=321183.09	Y=321207.29	Y=321450.08	Y=321295.02	Y=321279.34	Y=320793.86	Y=320794.89
PRC=4+29.10	PT=4+60.41	PT=6+83.95	PRC=7+57.55	PT=7+75.82	PT=13+51.20	PT=14+35.21
X=603428.64	X=603448.09	X=603571.32	X=603545.03	X=603539.82	X=603228.78	X=603186.10
Y=321196.25	Y=321220.70	Y=321357.19	Y=321288.77	Y=321271.55	Y=320794.06	Y=320842.56
R=186.0187	R=128.9813	R=15.0000	R=30.0000	R=30.0000	R=31.0000	R=31.0000
DELTA=11°31'22" RT	DELTA=13°54'44" LT	DELTA=163°05'12" RT	DELTA=23°33'23" LT	DELTA=34°53'20" RT	DELTA=61°42'13" RT	DELTA=123°18'05" RT
D=30°48'04"	D=44°25'18"	D=381°58'19"	D=190°59'09"	D=190°59'09"	D=184°49'30"	D=184°49'30"
L=37.4100	L=31.3184	L=42.6960	L=12.3341	L=18.2678	L=33.3848	L=66.7125
T=18.7683	T=15.7366	T=100.8899	T=6.2554	T=9.4270	T=18.5177	T=57.4548
BK=N 33°56'18" E	BK=N 45°27'40" E	BK=N 39°52'58" E	BK=S 22°58'11" W	BK=S 0°35'13" E	BK=S 28°56'00" W	BK=N 89°21'47" W
AH=N 45°27'40" E	AH=N 31°32'56" E	AH=S 22°58'11" W	AH=S 0°35'13" E	AH=S 34°18'08" W	AH=N 89°21'47" W	AH=N 33°56'18" E

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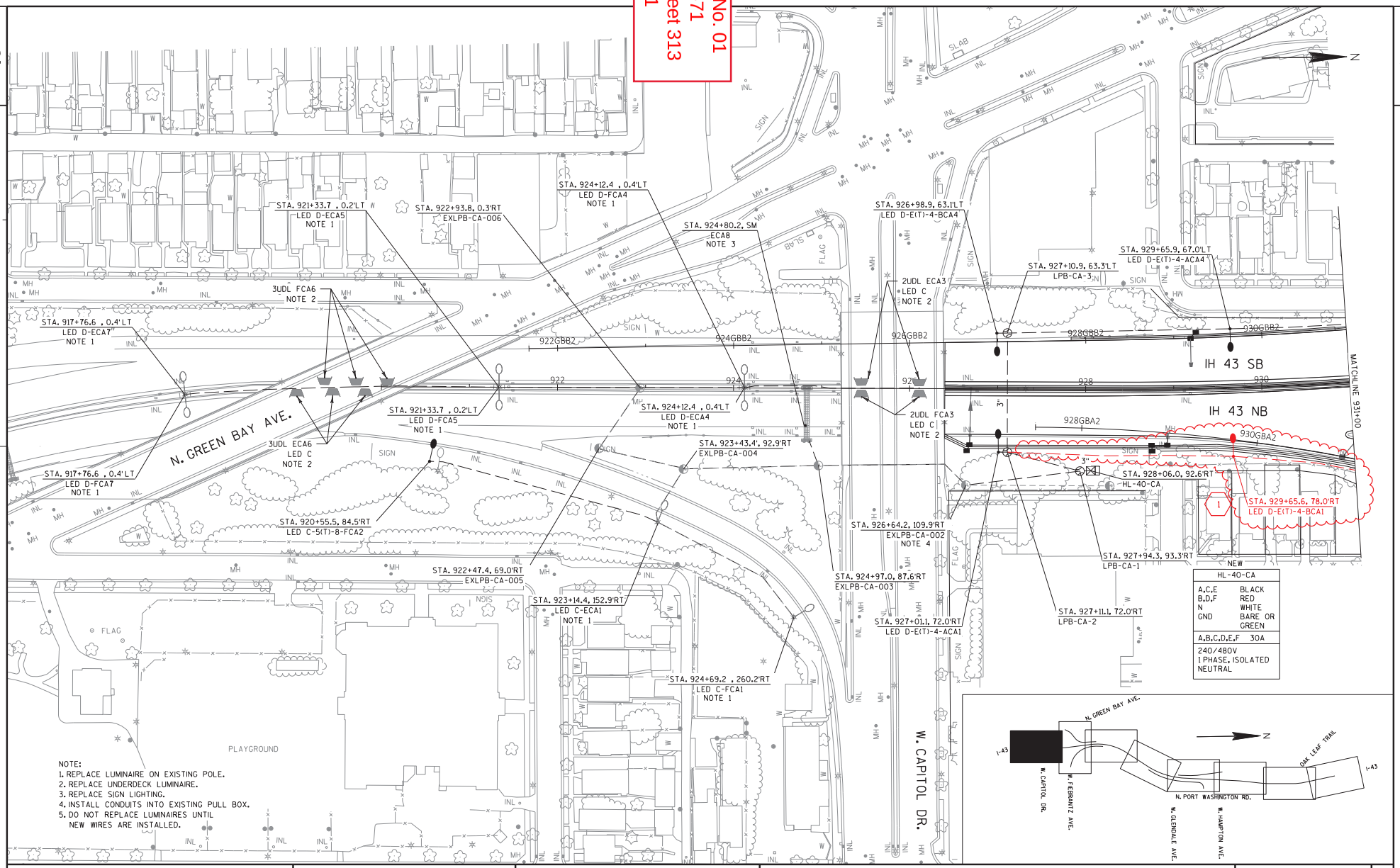
ID 1228-22-71
Revised Sheet 257
April 1, 2021

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	STORM SEWER LAKE TOWER POND OVERVIEW	SHEET 257	E

FILE NAME : C:\Users\wwolak\OneDrive - Kapur & Associates, Inc\Documents\Work\DOT WORK I43-NORTH SS\022572_SS.dgn PLOT DATE : 3/26/2021 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 41

Addendum No. 01
ID 1228-22-71
Revised Sheet 313
April 1, 2021



NOTE:
1. REPLACE LUMINAIRE ON EXISTING POLE.
2. REPLACE UNDERDECK LUMINAIRE.
3. REPLACE SIGN LIGHTING.
4. INSTALL CONDUITS INTO EXISTING PULL BOX.
5. DO NOT REPLACE LUMINAIRES UNTIL NEW WIRES ARE INSTALLED.

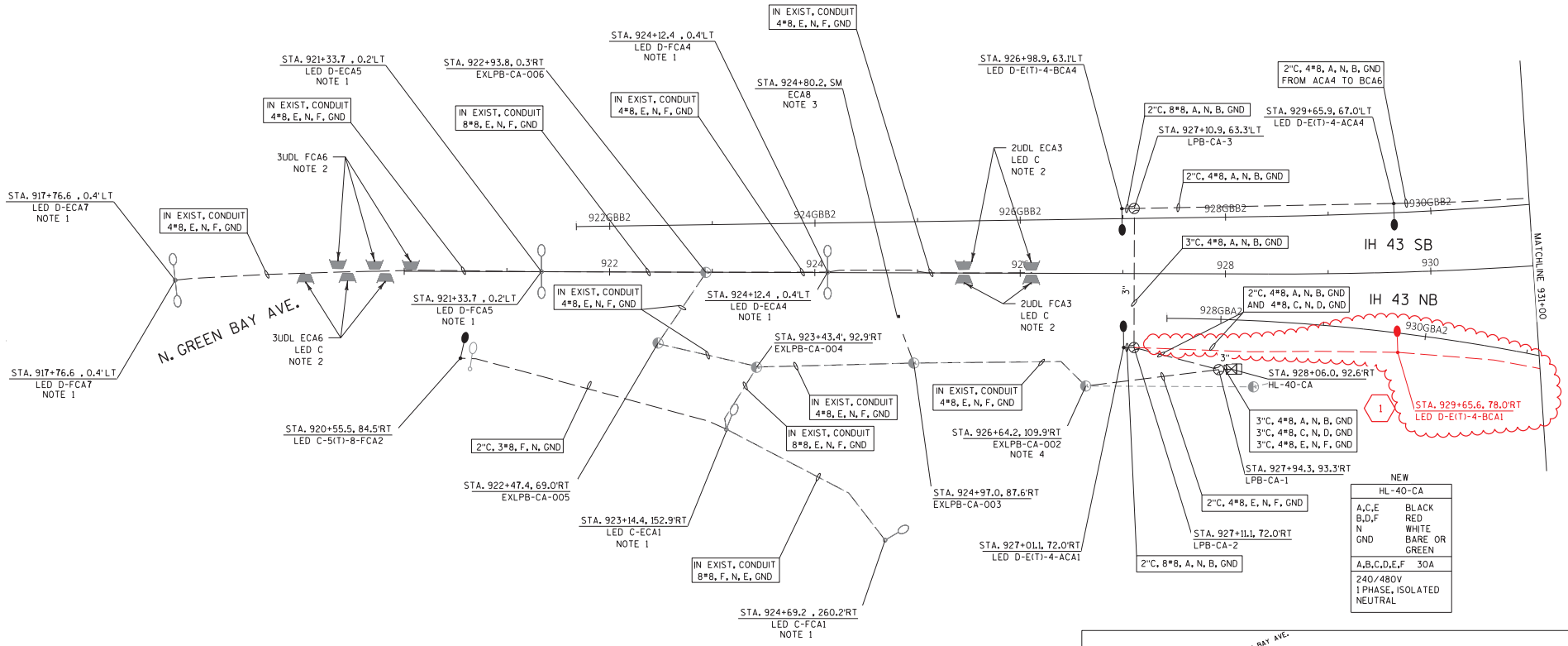
PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	LIGHTING PLANS - FINAL	SHEET 313 E

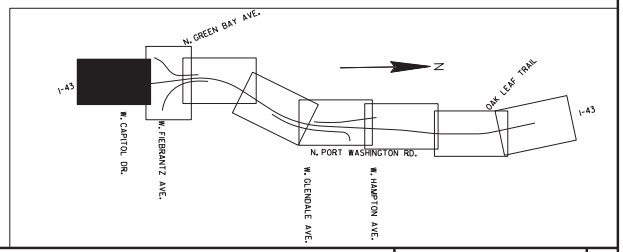
FILE NAME : S:\DOT\DOT_SE\190224_I43_N-S_Freeway_North-Hampton\Design\DGN\12282271_North\Plansheets\023530_LP.dgn PLOT DATE : 3/15/2021 PLOT BY : kchai PLOT NAME : PLOT SCALE : 1:100

Addendum No. 01
ID 1228-22-71
Revised Sheet 314
April 1, 2021

2

2





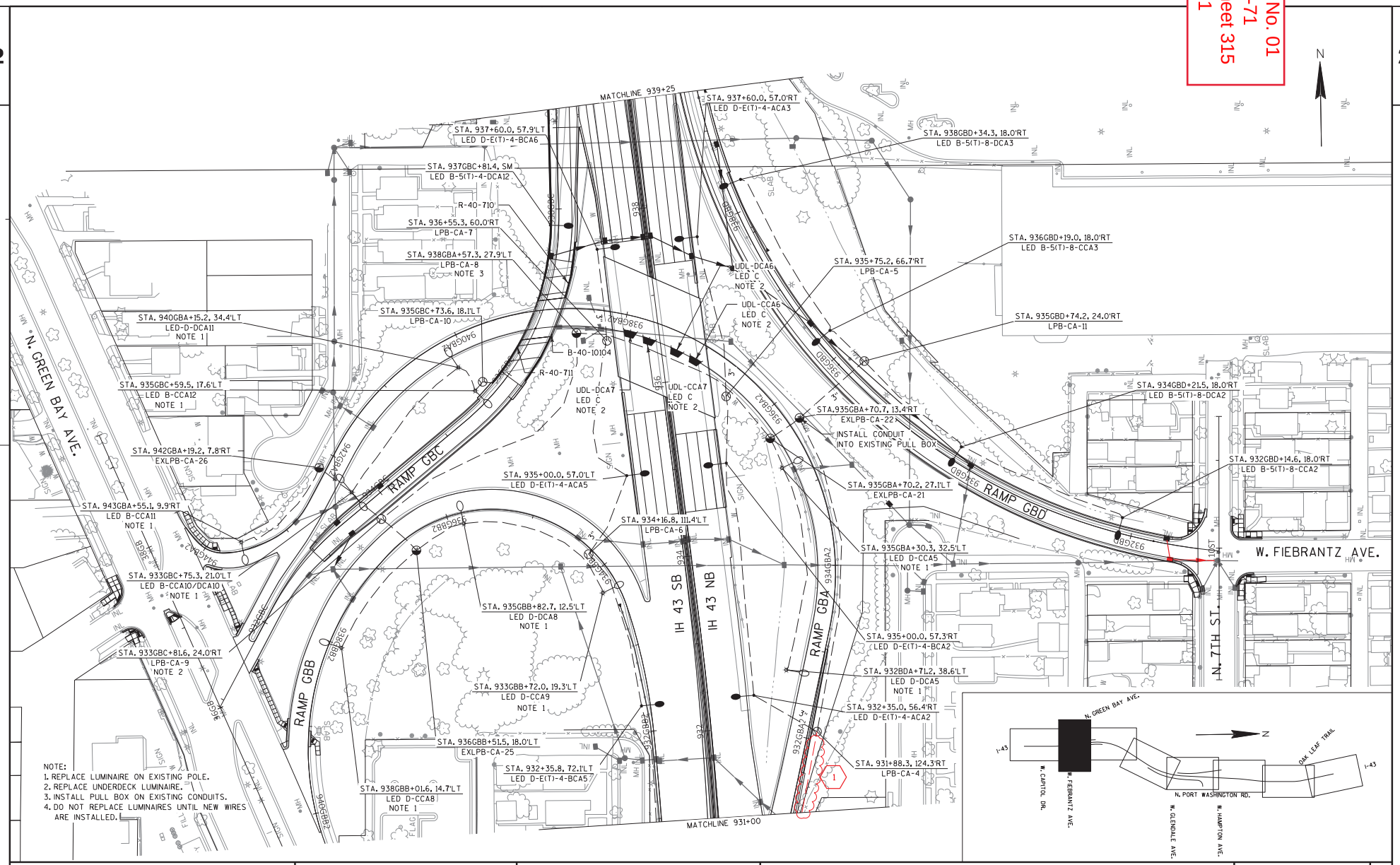
NOTE:
1. REPLACE LUMINAIRE ON EXISTING POLE.
2. REPLACE UNDERDECK LUMINAIRE.
3. REPLACE SIGN LIGHTING.
4. INSTALL CONDUITS INTO EXISTING PULL BOX.
5. DO NOT REPLACE LUMINAIRES UNTIL NEW WIRES ARE INSTALLED.

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	LIGHTING PLANS - SCHEMATIC	SHEET 314	E

FILE NAME : S:\DOT\DOT_SE\190224_I43_N-S_Freeway_North-Hampton\Design\DGN\12282271_North\Plansheets\023531_LP.dgn PLOT DATE : 3/15/2021 PLOT BY : kchai PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

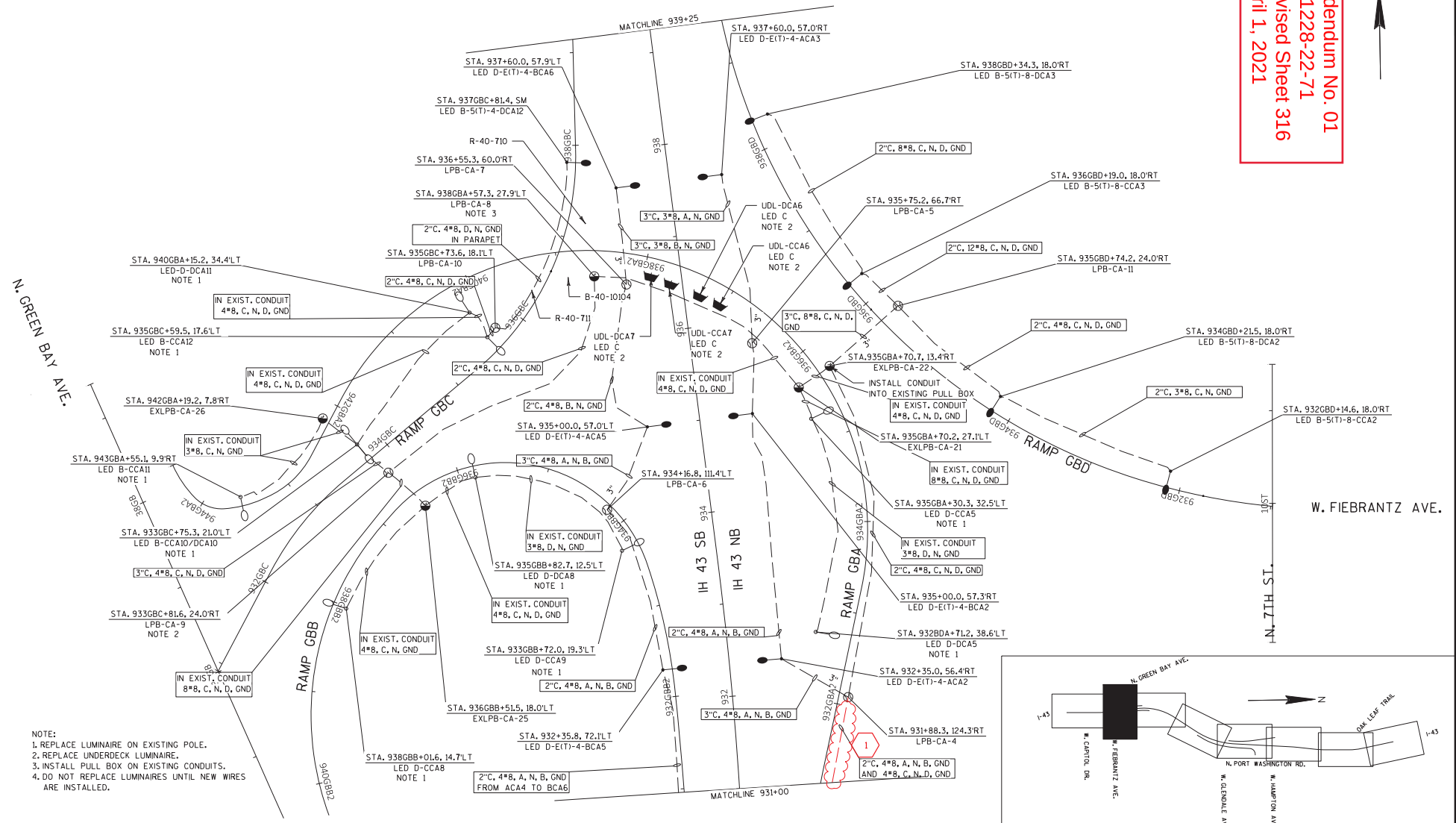
Addendum No. 01
ID 1228-22-71
Revised Sheet 315
April 1, 2021



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	LIGHTING PLANS - FINAL	SHEET 315 E

FILE NAME : S:\DOT\DOT_SE\190224_I43_N-S_Freeway_North-Hampton\Design\DGN\12282271_North\Plansheets\023532_LP.dgn
PLOT DATE : 3/15/2021
PLOT BY : kchai
PLOT NAME :
PLOT SCALE : 1:100
WISDOT/CADDS SHEET 42

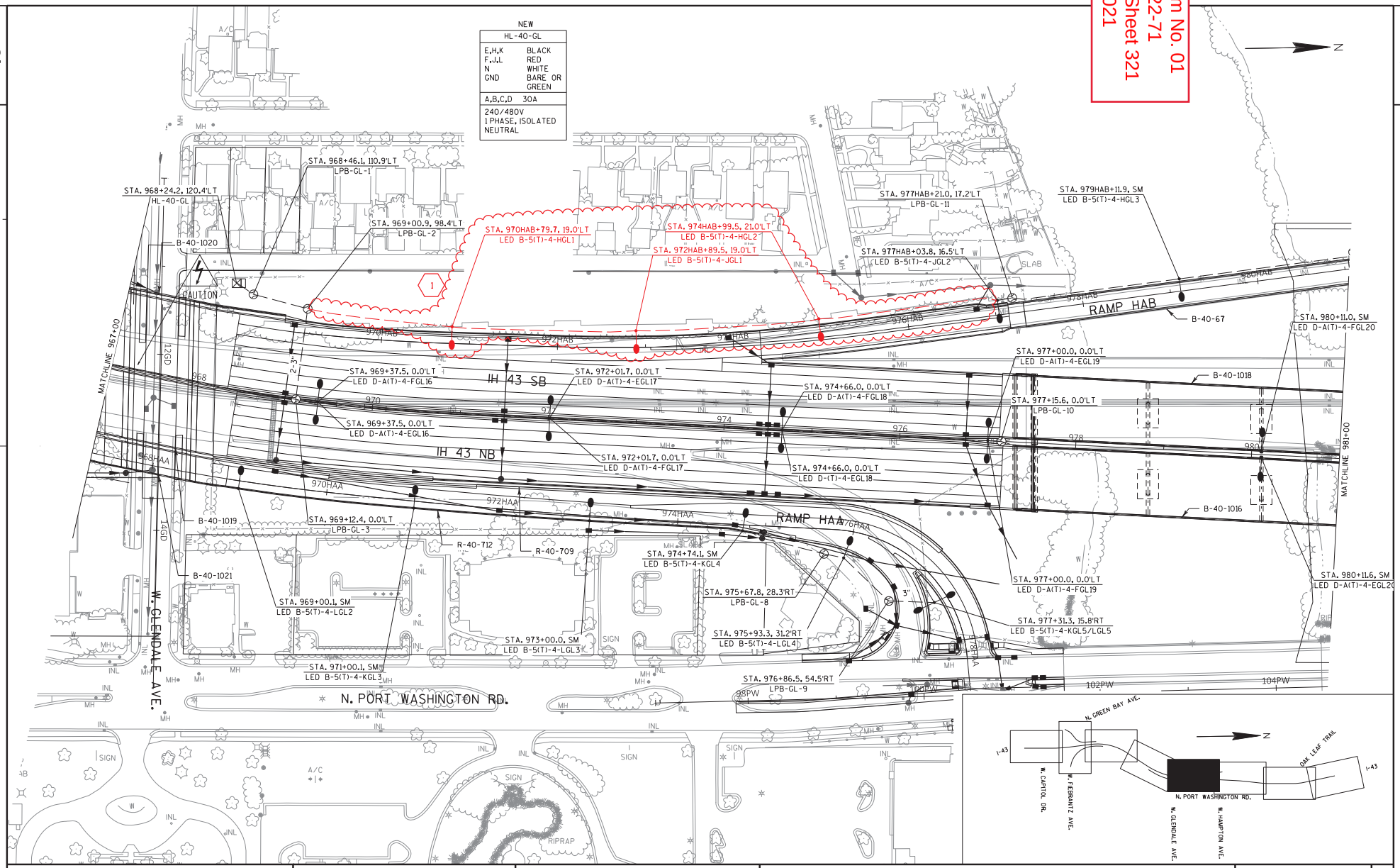
Addendum No. 01
ID 1228-22-71
Revised Sheet 316
April 1, 2021



NOTE:
1. REPLACE LUMINAIRE ON EXISTING POLE.
2. REPLACE UNDERDECK LUMINAIRE.
3. INSTALL PULL BOX ON EXISTING CONDUITS.
4. DO NOT REPLACE LUMINAIRES UNTIL NEW WIRES ARE INSTALLED.

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	LIGHTING PLANS - SCHEMATIC	SHEET 316	E

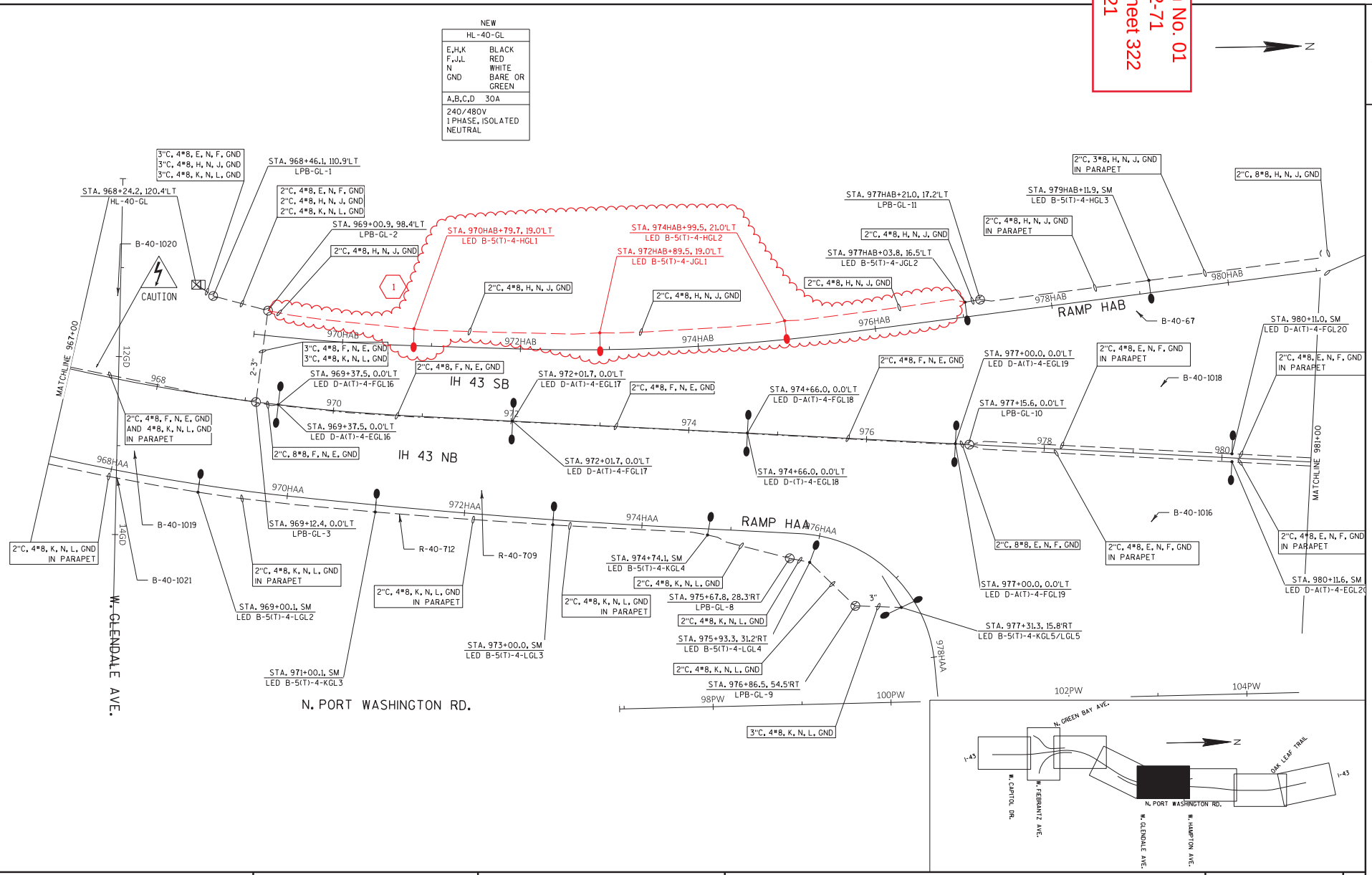
Addendum No. 01
ID 1228-22-71
Revised Sheet 321
April 1, 2021



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	LIGHTING PLANS - FINAL	SHEET 321	E

FILE NAME : S:\DOT\DOT_SE\190224_I43_N-S_Freeway_North-Hampton\Design\DGN\12282271_North\Plansheets\023538_LP.dgn PLOT DATE : 3/16/2021 PLOT BY : kchai PLOT NAME : PLOT SCALE : 1:100 WISDOT/CADDS SHEET 42

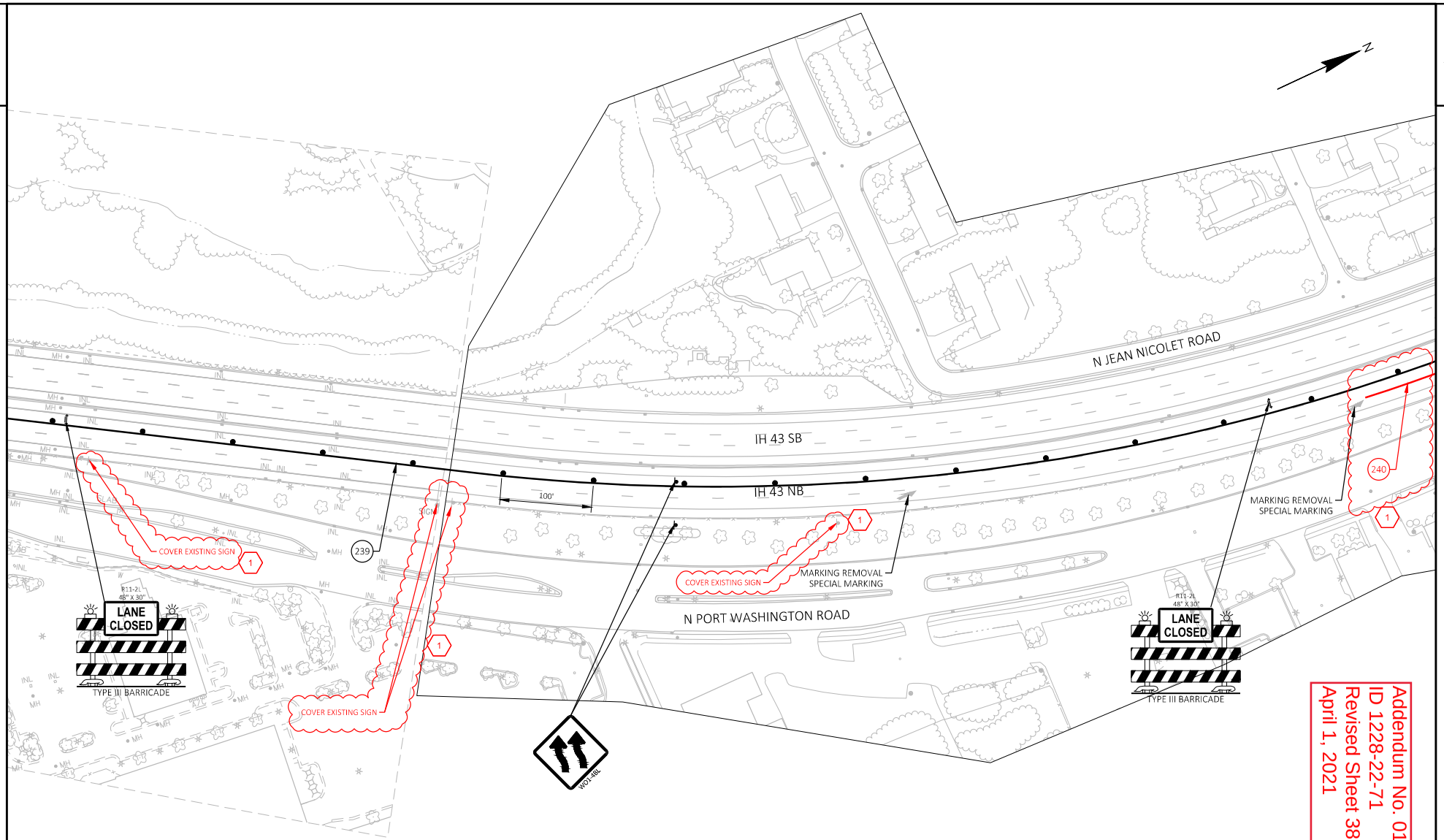
Addendum No. 01
ID 1228-22-71
Revised Sheet 322
April 1, 2021



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	LIGHTING PLANS - SCHEMATIC	SHEET 322	E

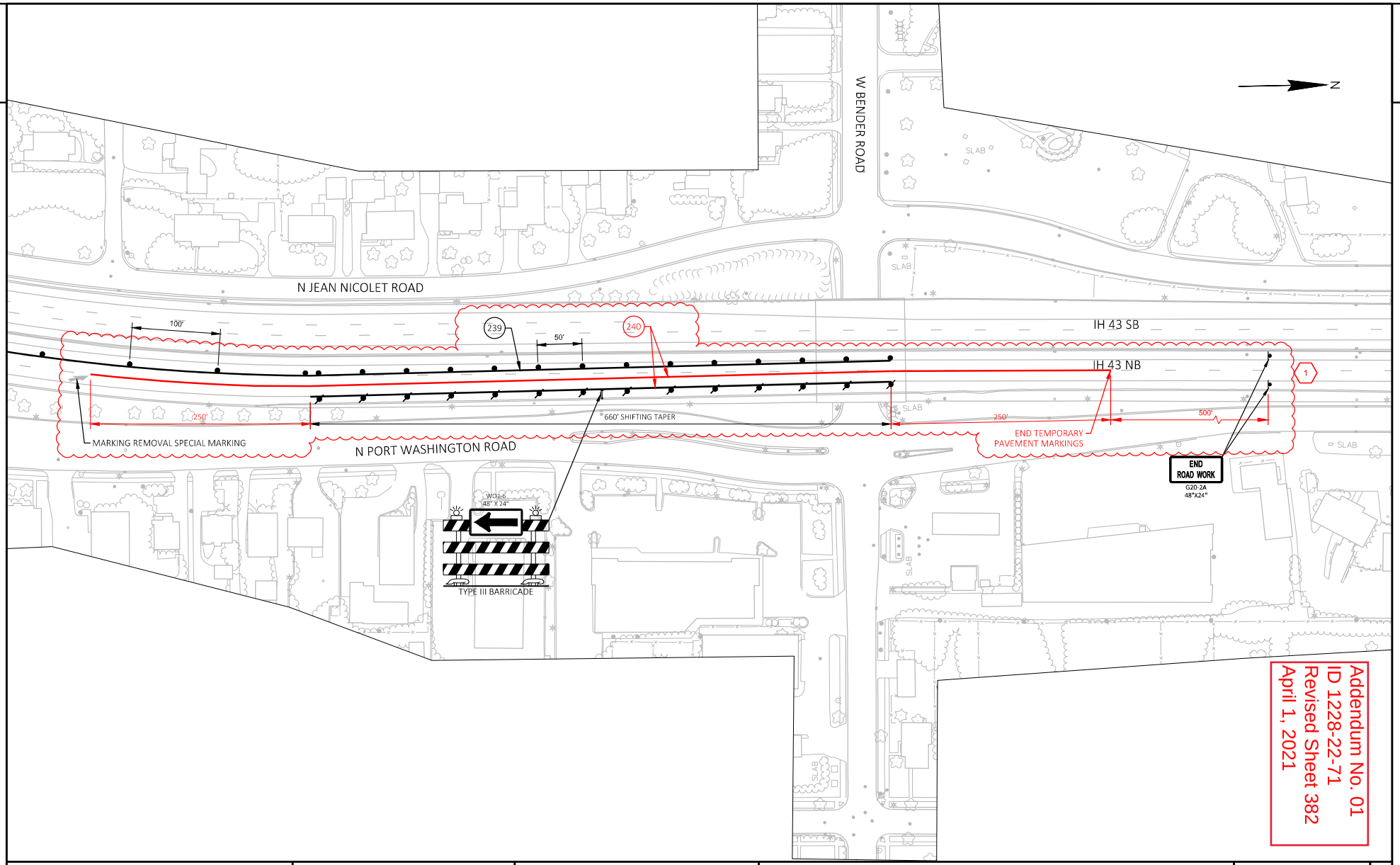
FILE NAME : S:\DOT\DOT_SE\190224_I43_N-S_Freeway_North-Hampton\Design\DGN\12282271_North\Plansheets\023539_LP.dgn PLOT DATE : 3/16/2021 PLOT BY : kchai PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2A	SHEET 381	E

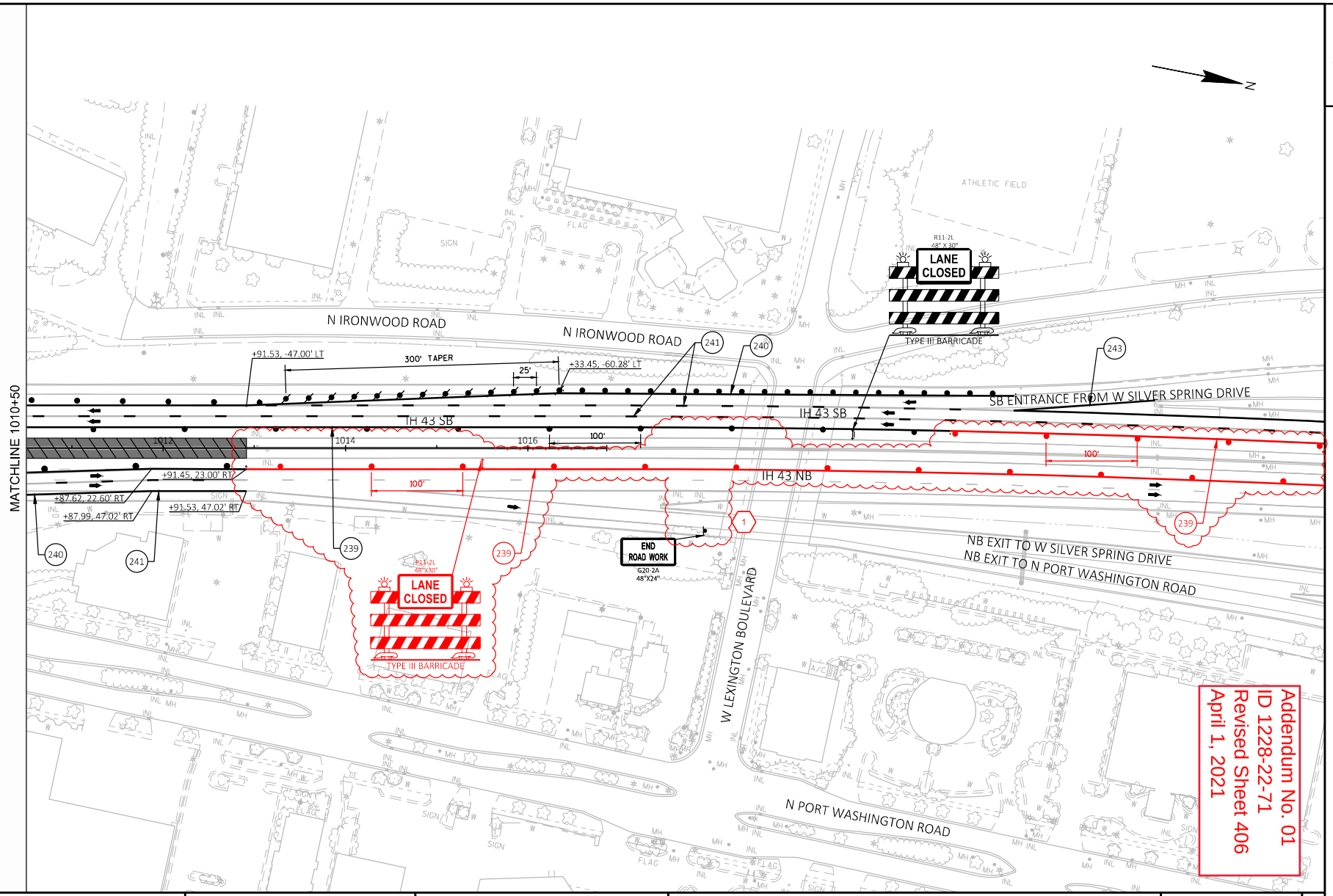
FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST2A-3ST.DWG
LAYOUT NAME - 11
PLOT DATE : 3/31/2021 9:20 AM
PLOT BY : SANTIAGO PEREZ, EDGA
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



Addendum No. 01
ID 1228-22-71
Revised Sheet 382
April 1, 2021

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2A	SHEET 382	E

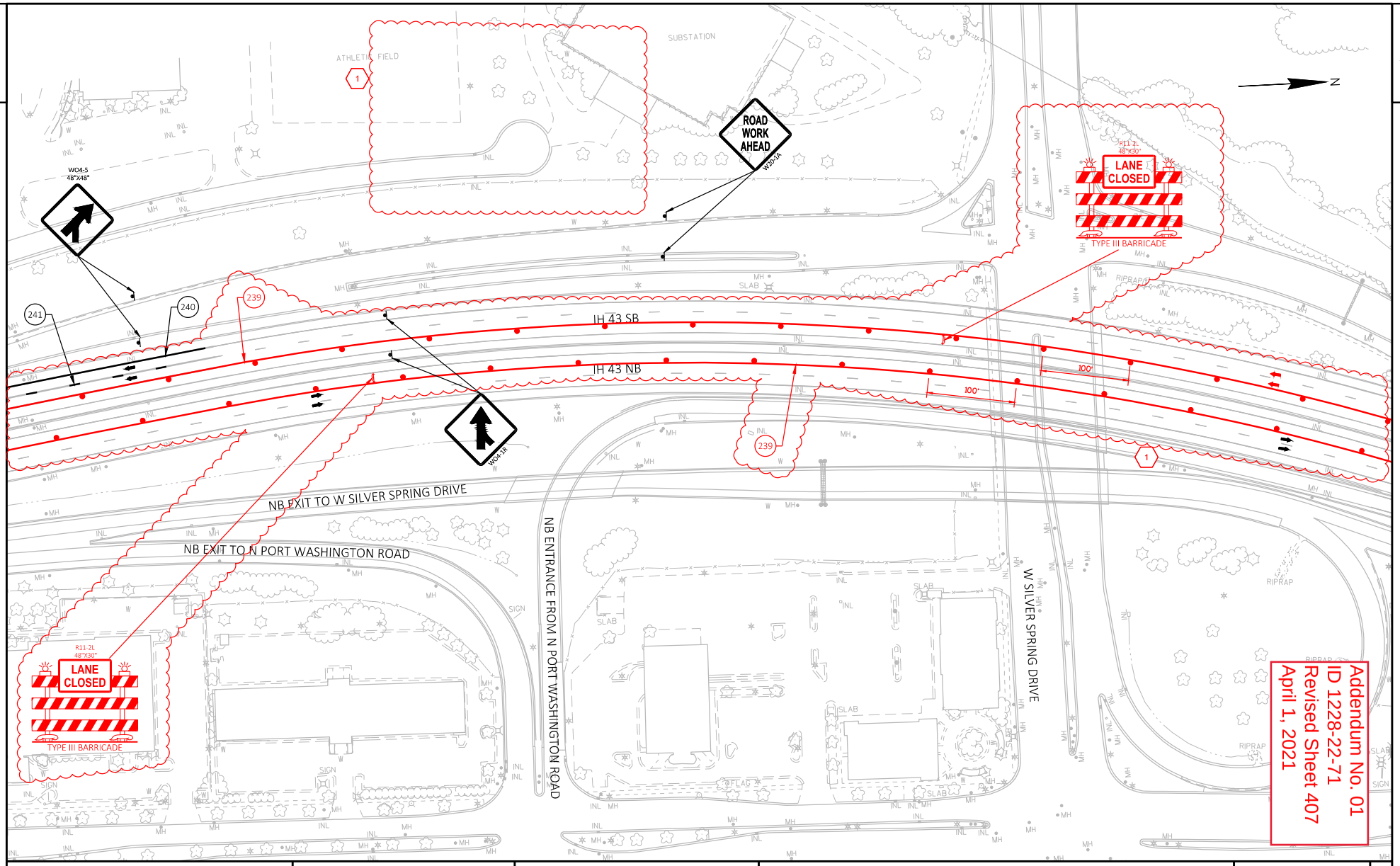
FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST2A-3ST.DWG
LAYOUT NAME - 12
PLOT DATE : 3/31/2021 9:20 AM
PLOT BY : SANTIAGO PEREZ, EDGA
PLOT NAME :
PLOT SCALE : ##########



Addendum No. 01
ID 1228-22-71
Revised Sheet 406
April 1, 2021

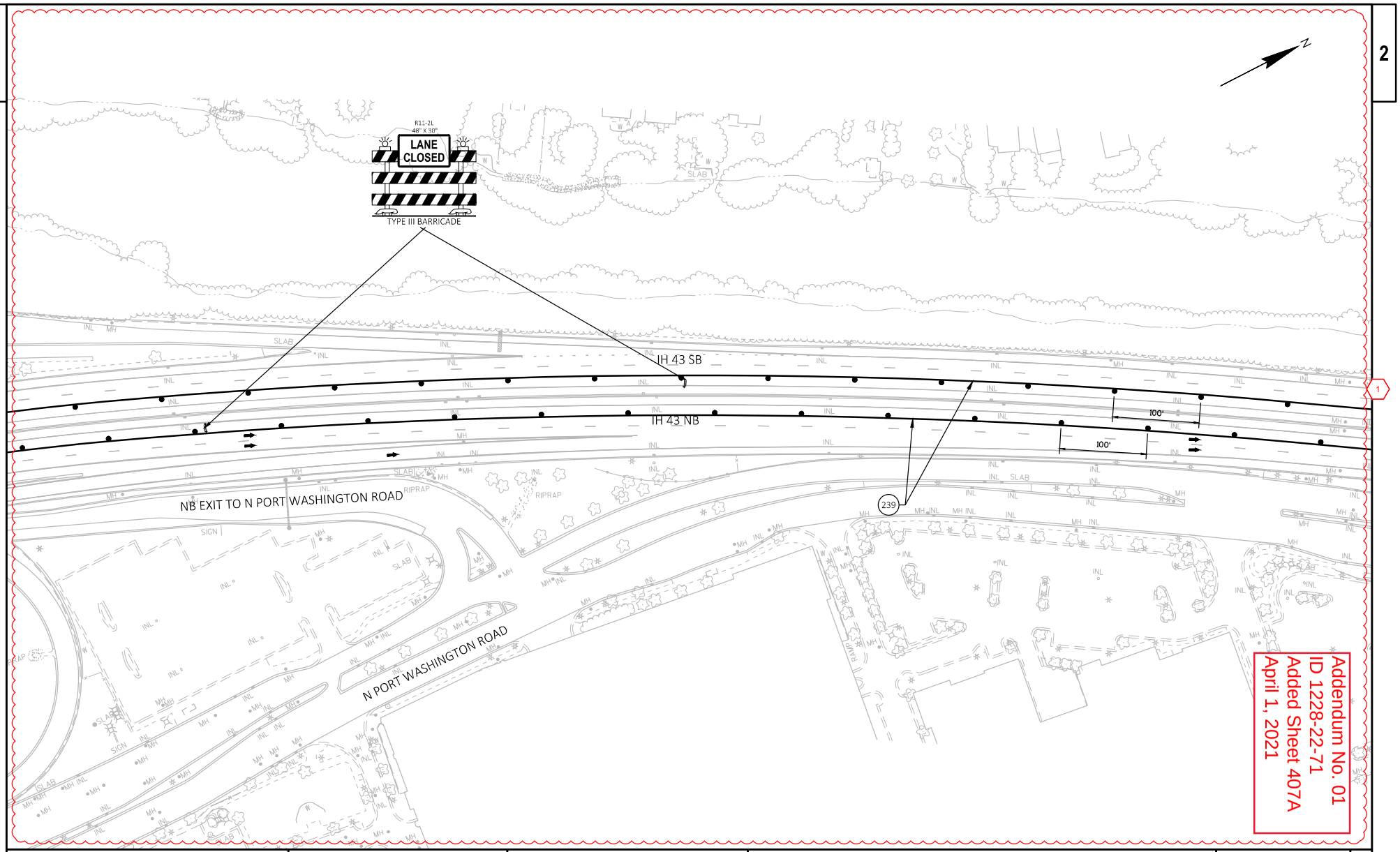
PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2C1	SHEET 406	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST2C1-3ST.DWG
LAYOUT NAME - 08
PLOT DATE : 3/31/2021 3:55 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2C1	SHEET 407	E

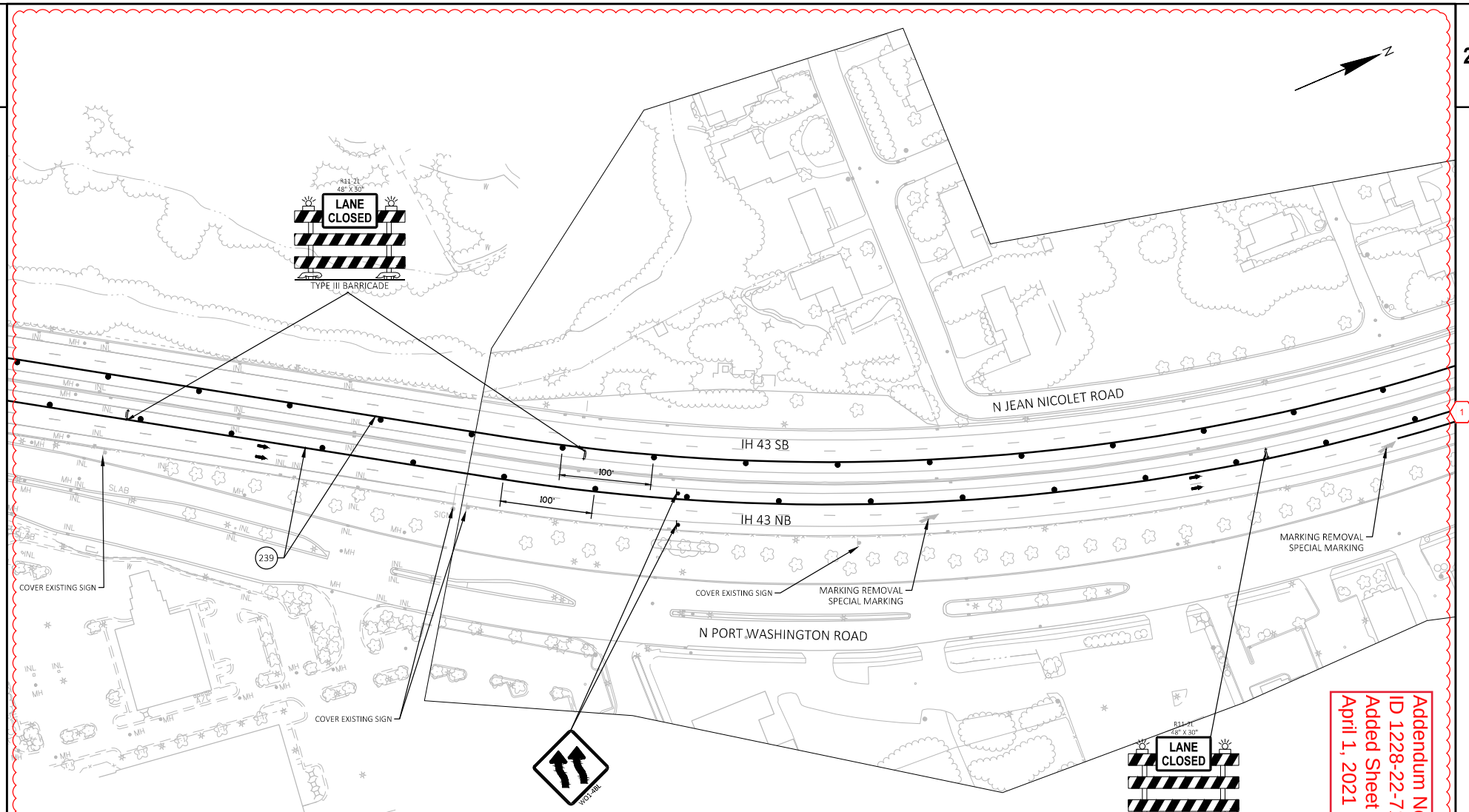
FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST2C1-3ST.DWG
LAYOUT NAME - 09
PLOT DATE : 3/31/2021 3:55 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : ##########



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2C1	SHEET 407A	E

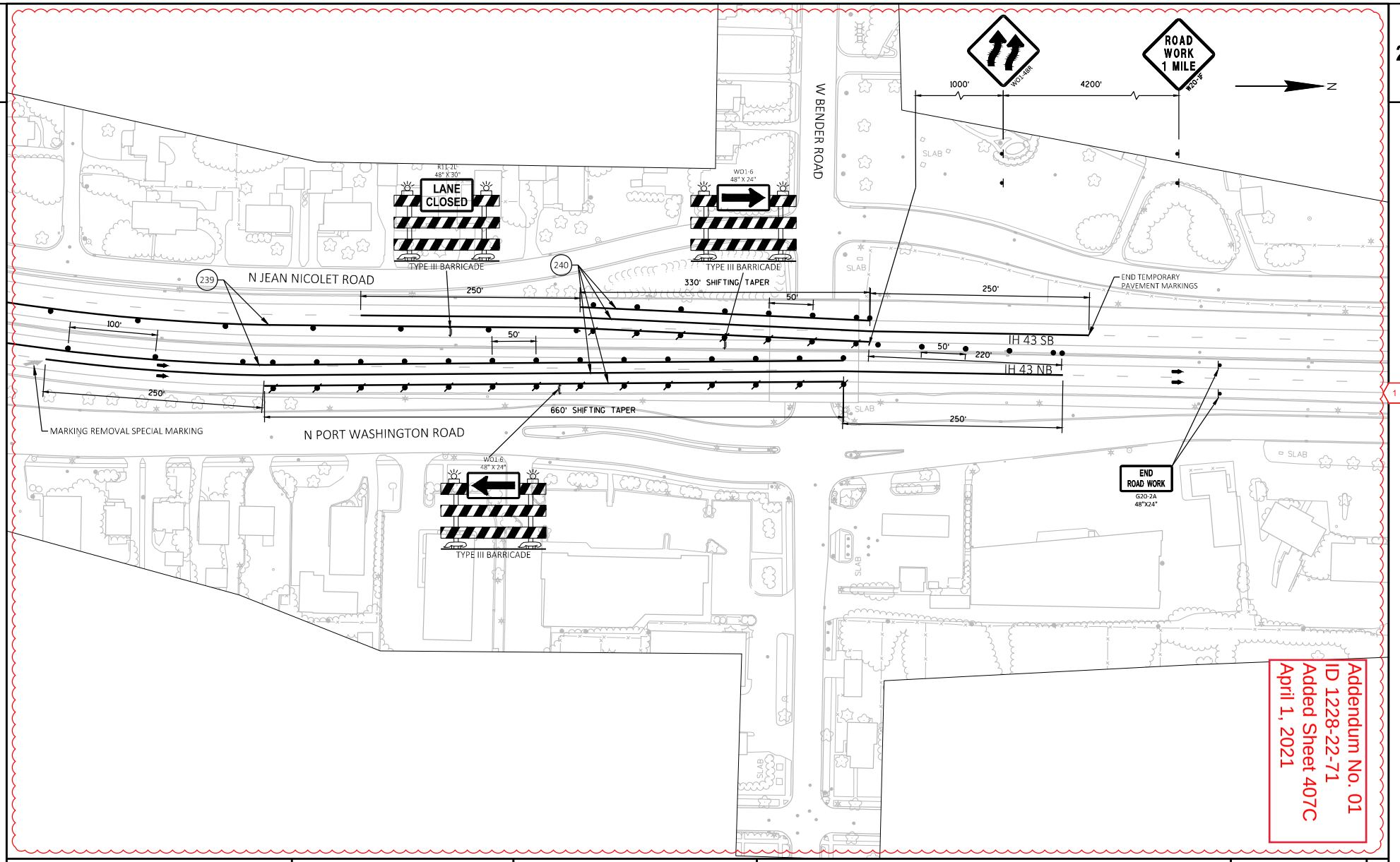
FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST2C1-3ST.DWG
LAYOUT NAME - 10
PLOT DATE : 3/31/2021 3:56 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : ##########

WISDOT/CADDS SHEET 42



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2C1	SHEET 407B	E

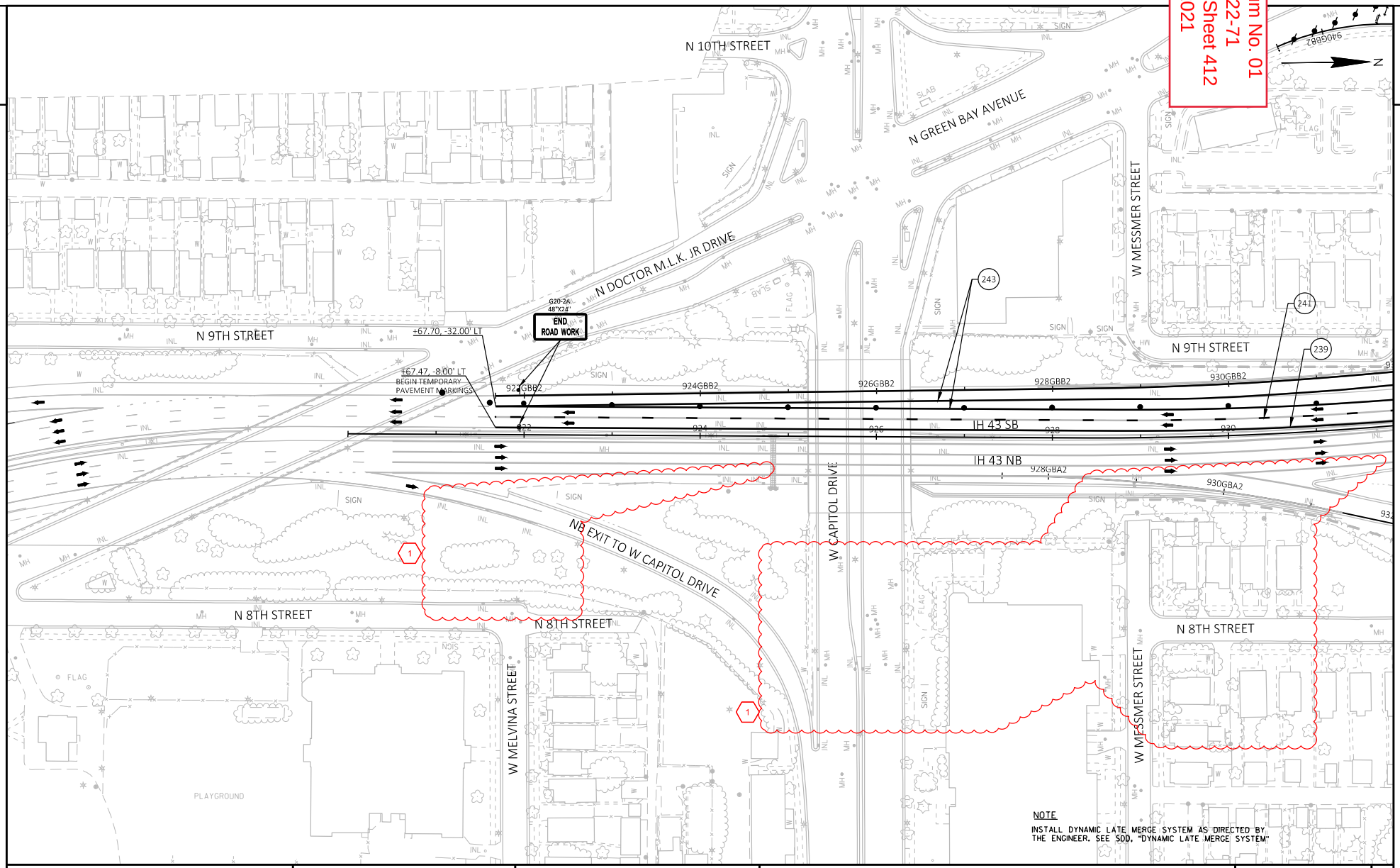
FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST2C1-3ST.DWG
LAYOUT NAME - 11
PLOT DATE : 3/31/2021 3:57 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : ##########



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2C1	SHEET 407C	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST2C1-3ST.DWG
LAYOUT NAME - 12
PLOT DATE : 3/31/2021 3:57 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : ##########

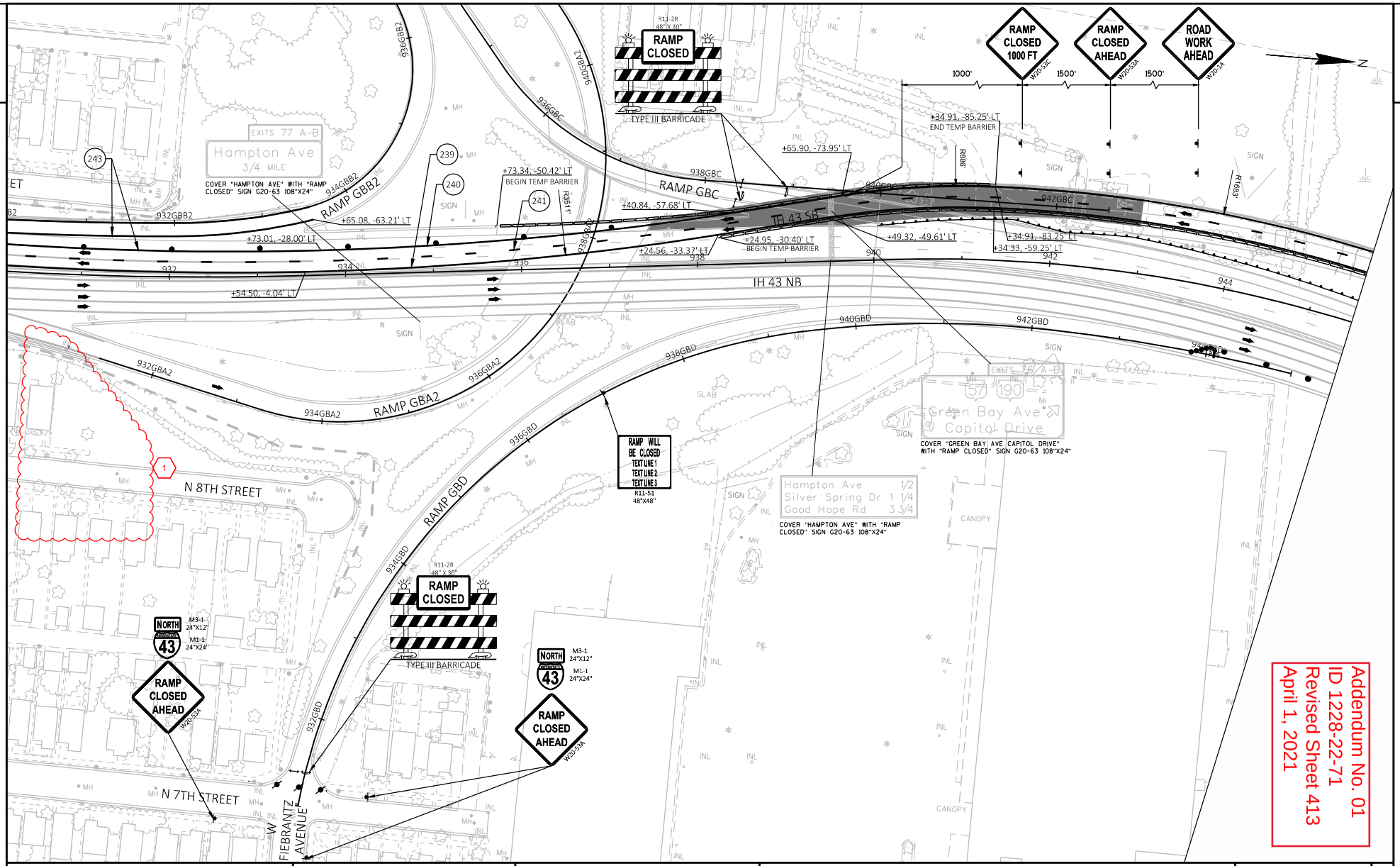
Addendum No. 01
ID 1228-22-71
Revised Sheet 412
April 1, 2021



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2C2	SHEET 412	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST2C2-3ST.DWG
LAYOUT NAME - 01
PLOT DATE : 3/30/2021 6:11 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

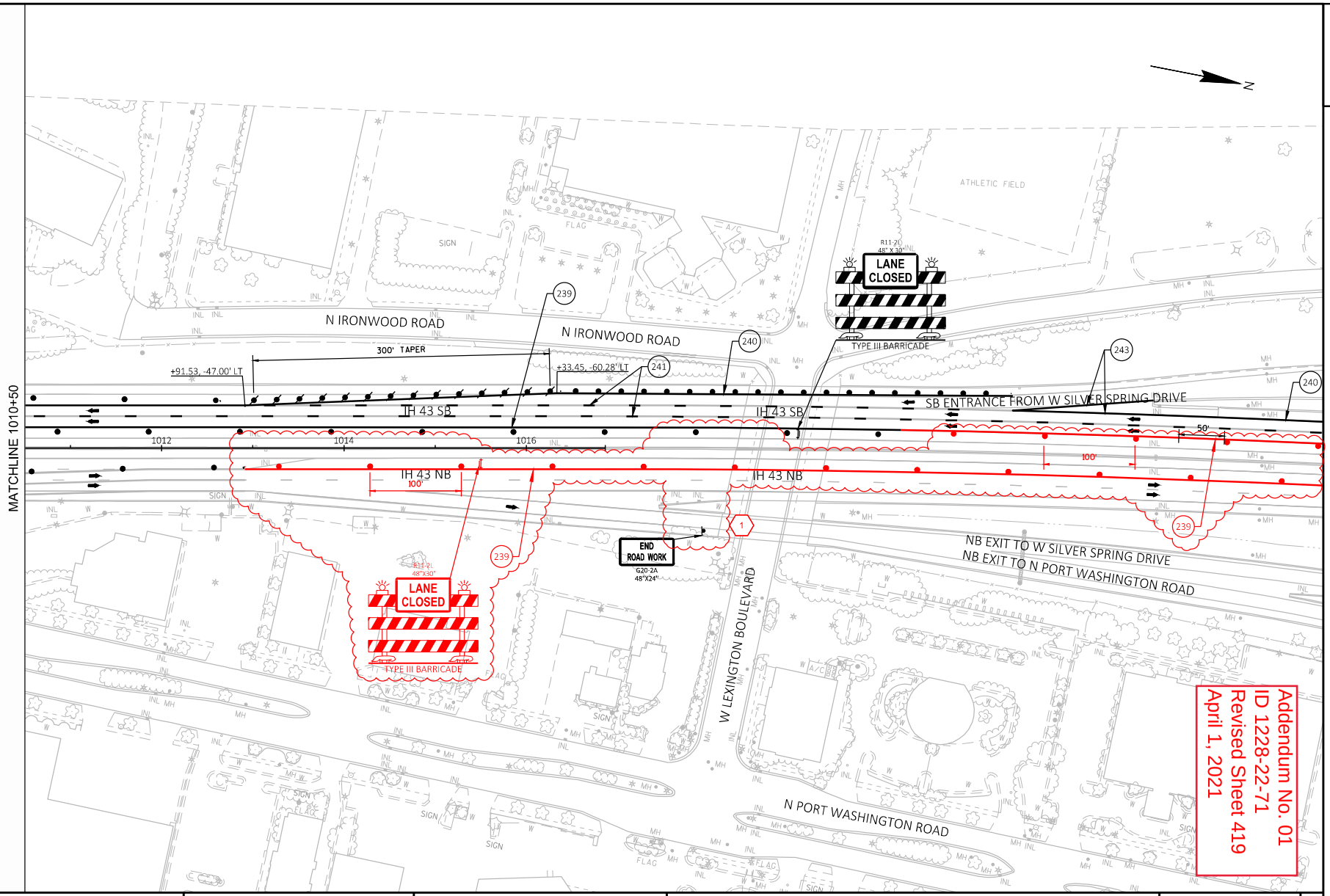


PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2C2	SHEET 413	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST2C2-3ST.DWG
LAYOUT NAME - 02

PLOT DATE : 3/30/2021 6:12 PM PLOT BY : JELACIC, JOSEPH C PLOT NAME : PLOT SCALE : 1 IN:100 FT

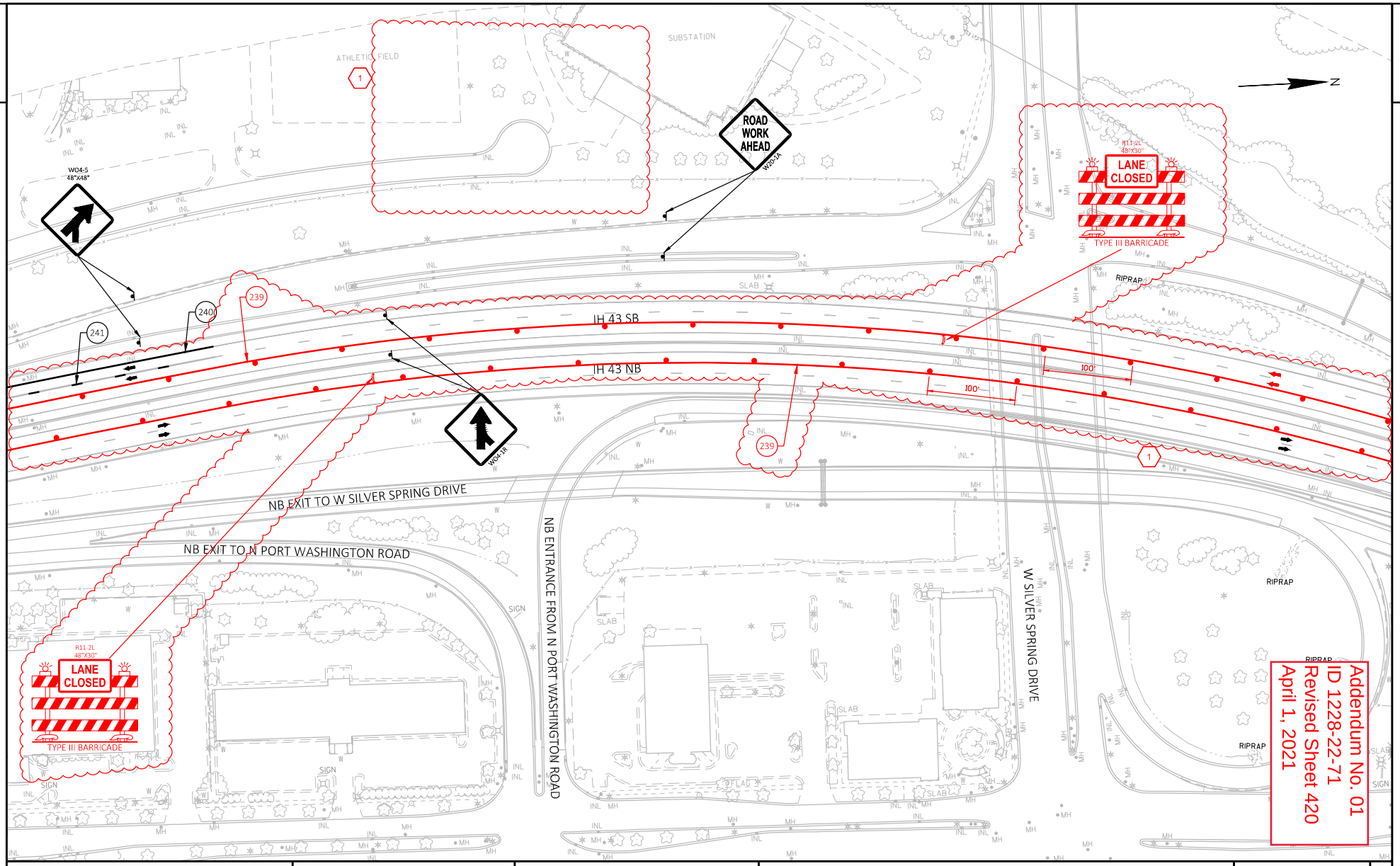
WISDOT/CADDS SHEET 42



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2C2	SHEET 419	E

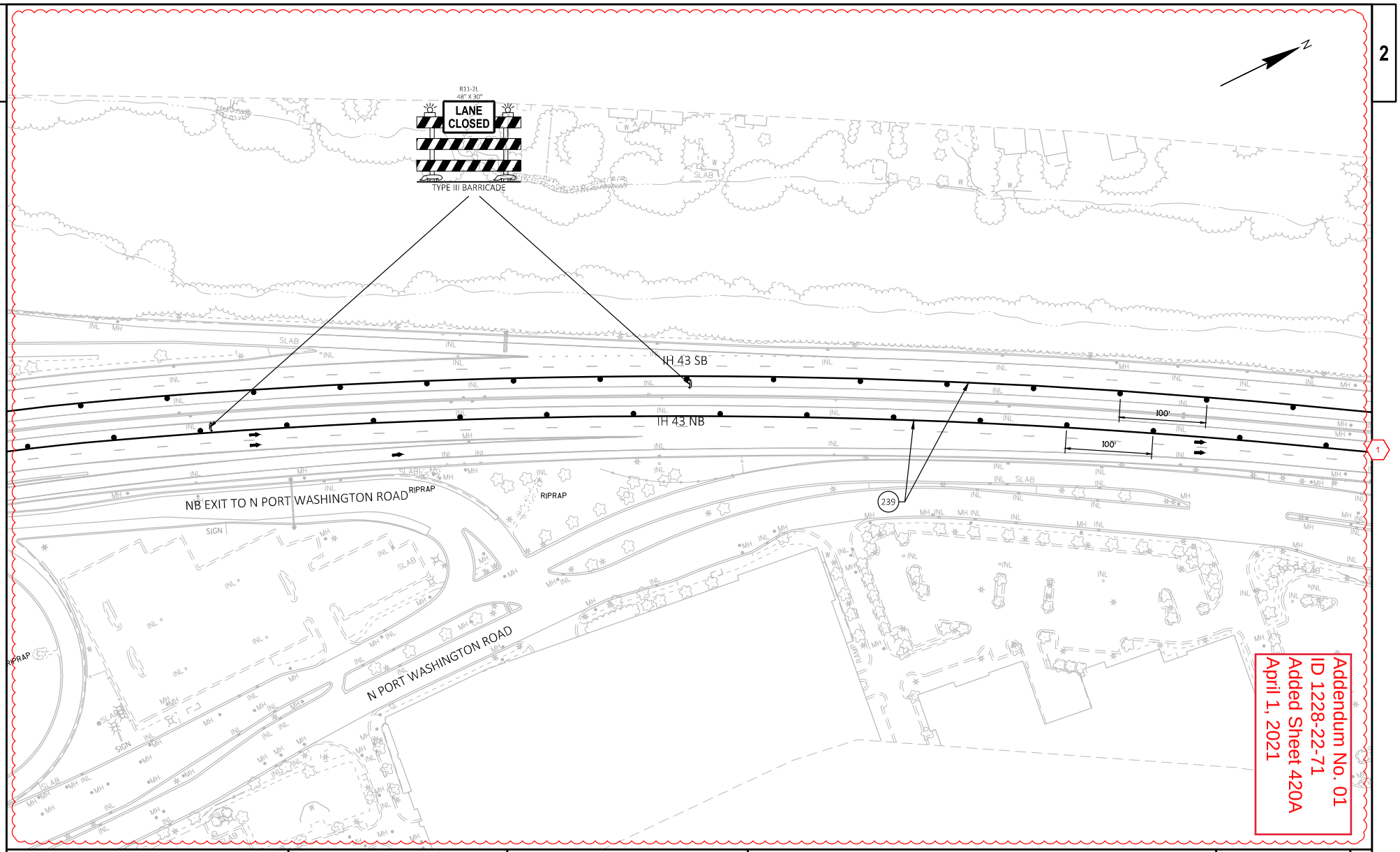
FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST2C2-3ST.DWG
LAYOUT NAME - 08
PLOT DATE : 3/31/2021 4:44 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2C2	SHEET 420	E

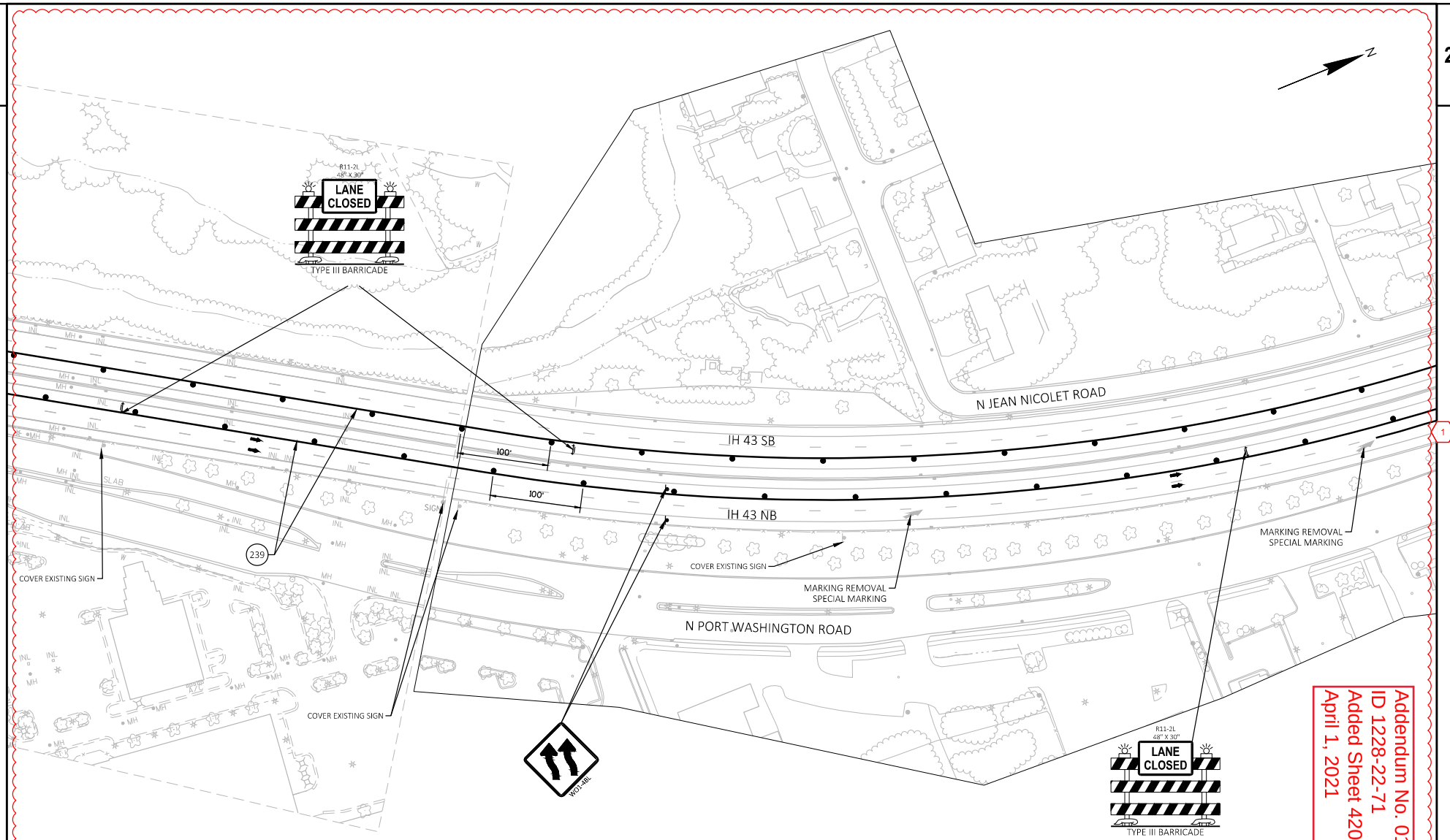
FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST2C2-3ST.DWG
LAYOUT NAME - 09
PLOT DATE : 3/31/2021 4:45 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : ##########



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2C2	SHEET 420A	E

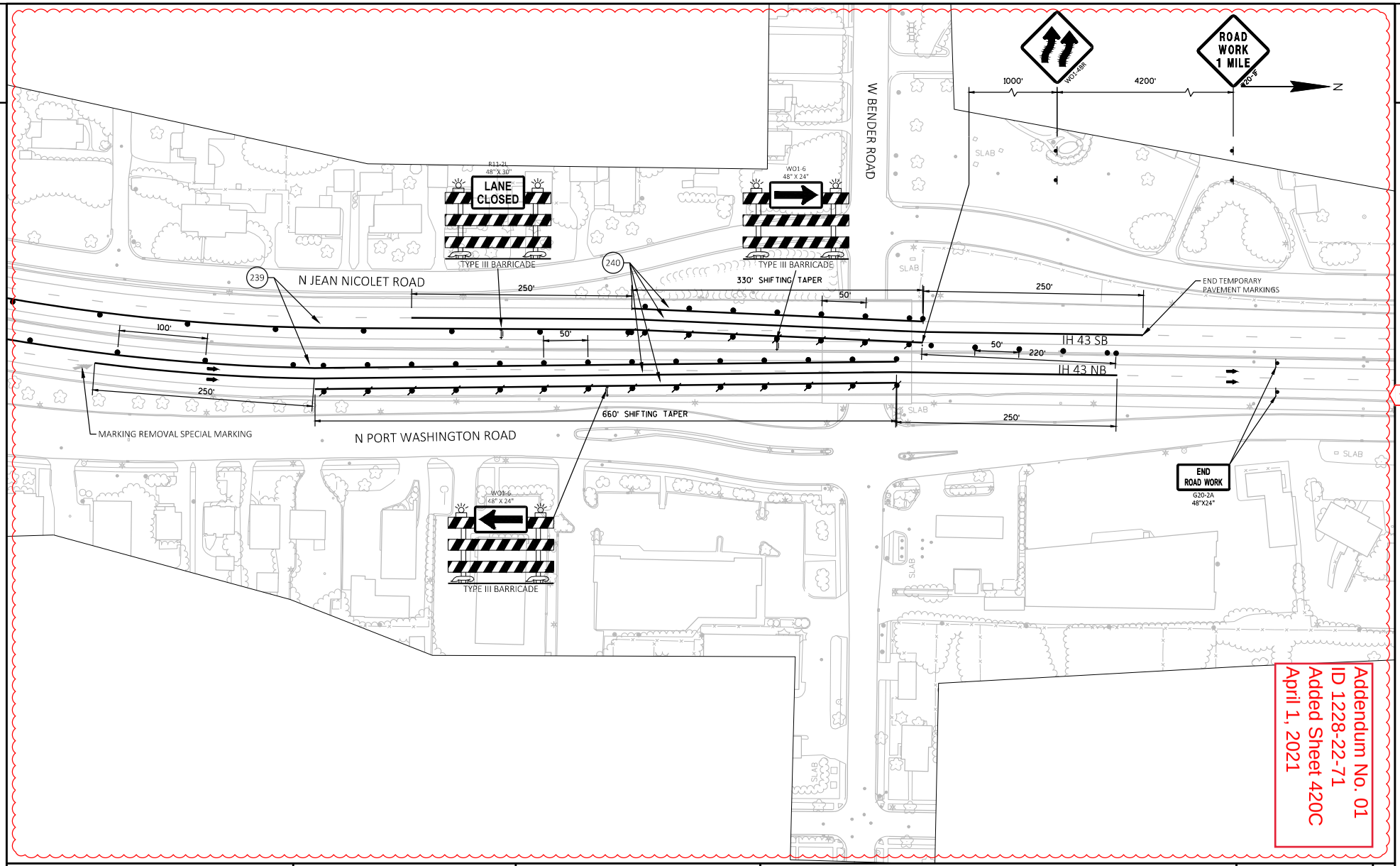
FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST2C2-3ST.DWG
LAYOUT NAME - 10
PLOT DATE : 3/31/2021 4:45 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : ##########

WISDOT/CADDS SHEET 42



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2C2	SHEET 420B	E

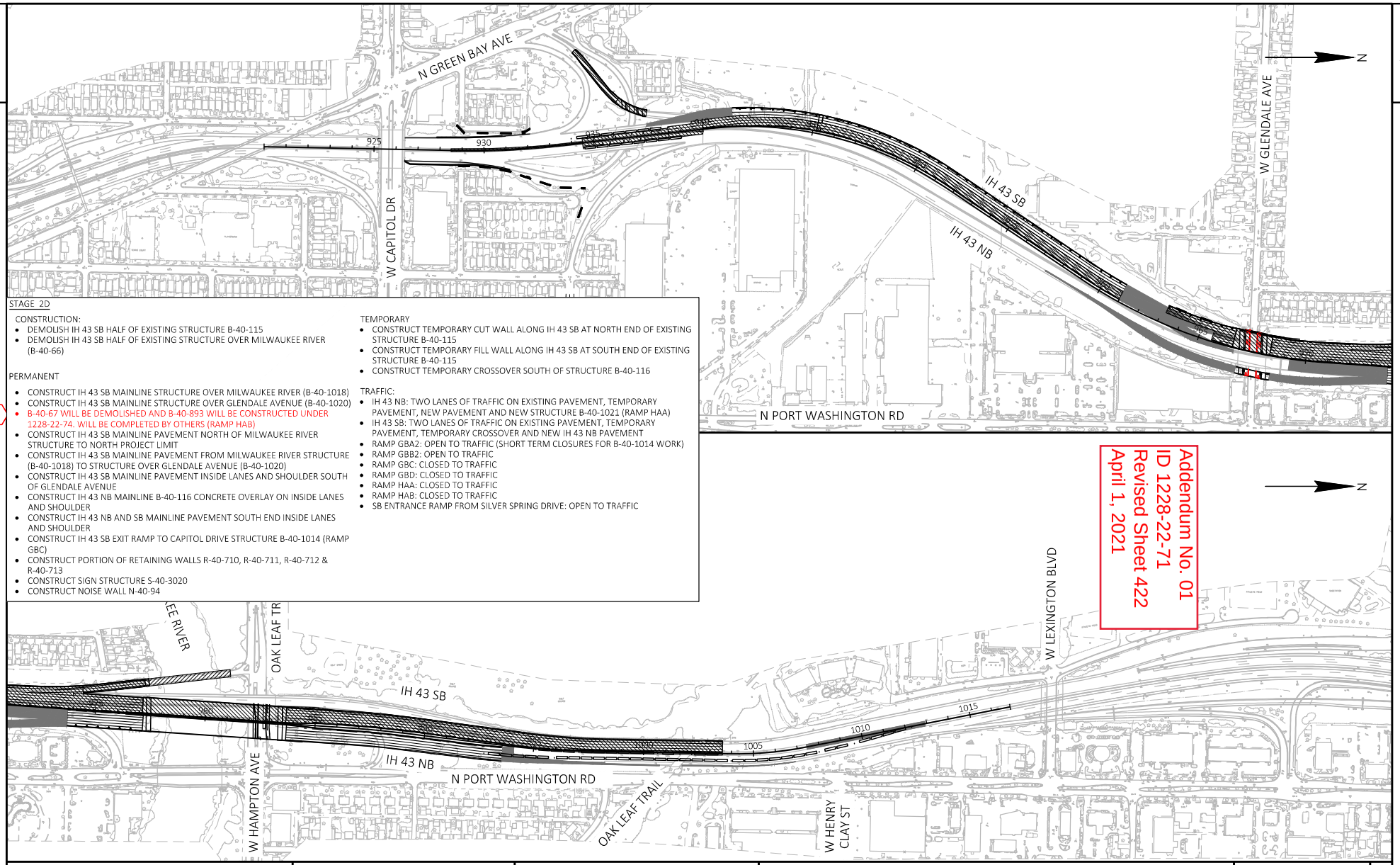
FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST2C2-3ST.DWG
LAYOUT NAME - 11
PLOT DATE : 3/31/2021 4:46 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : ##########



Addendum No. 01
ID 1228-22-71
Added Sheet 420C
April 1, 2021

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2C2	SHEET 420C	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST2C2-3ST.DWG
LAYOUT NAME - 12
PLOT DATE : 3/31/2021 4:47 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : ##########



STAGE 2D

CONSTRUCTION:
- DEMOLISH IH 43 SB HALF OF EXISTING STRUCTURE B-40-115
- DEMOLISH IH 43 SB HALF OF EXISTING STRUCTURE OVER MILWAUKEE RIVER (B-40-66)

PERMANENT
- CONSTRUCT IH 43 SB MAINLINE STRUCTURE OVER MILWAUKEE RIVER (B-40-1018)
- CONSTRUCT IH 43 SB MAINLINE STRUCTURE OVER GLENDALE AVENUE (B-40-1020)
- B-40-67 WILL BE DEMOLISHED AND B-40-893 WILL BE CONSTRUCTED UNDER 1228-22-74. WILL BE COMPLETED BY OTHERS (RAMP HAB)
- CONSTRUCT IH 43 SB MAINLINE PAVEMENT NORTH OF MILWAUKEE RIVER STRUCTURE TO NORTH PROJECT LIMIT
- CONSTRUCT IH 43 SB MAINLINE PAVEMENT FROM MILWAUKEE RIVER STRUCTURE (B-40-1018) TO STRUCTURE OVER GLENDALE AVENUE (B-40-1020)
- CONSTRUCT IH 43 SB MAINLINE PAVEMENT INSIDE LANES AND SHOULDER SOUTH OF GLENDALE AVENUE
- CONSTRUCT IH 43 NB MAINLINE B-40-116 CONCRETE OVERLAY ON INSIDE LANES AND SHOULDER
- CONSTRUCT IH 43 NB AND SB MAINLINE PAVEMENT SOUTH END INSIDE LANES AND SHOULDER
- CONSTRUCT IH 43 SB EXIT RAMP TO CAPITOL DRIVE STRUCTURE B-40-1014 (RAMP GBC)
- CONSTRUCT PORTION OF RETAINING WALLS R-40-710, R-40-711, R-40-712 & R-40-713
- CONSTRUCT SIGN STRUCTURE S-40-3020
- CONSTRUCT NOISE WALL N-40-94

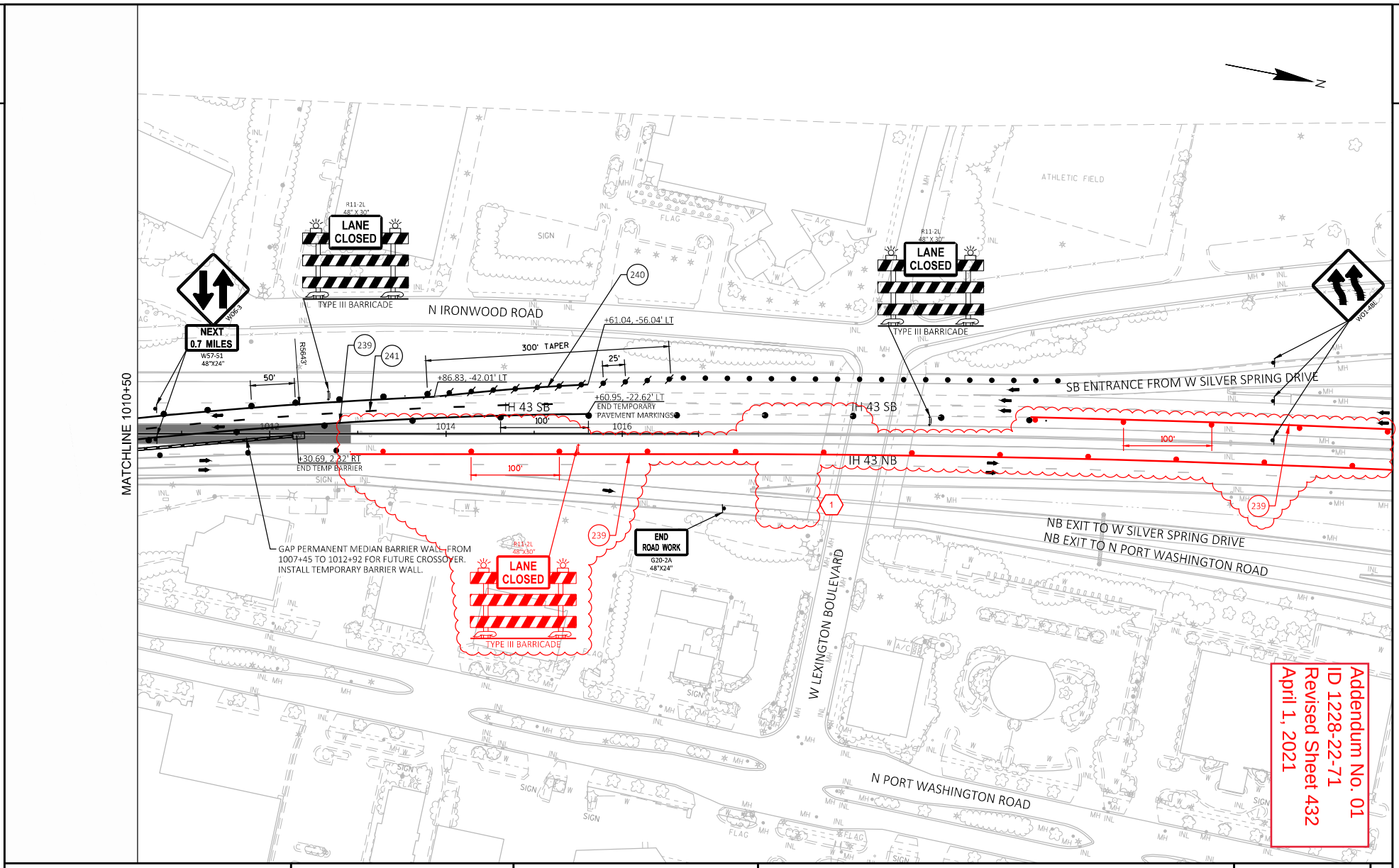
TEMPORARY
- CONSTRUCT TEMPORARY CUT WALL ALONG IH 43 SB AT NORTH END OF EXISTING STRUCTURE B-40-115
- CONSTRUCT TEMPORARY FILL WALL ALONG IH 43 SB AT SOUTH END OF EXISTING STRUCTURE B-40-115
- CONSTRUCT TEMPORARY CROSSOVER SOUTH OF STRUCTURE B-40-116

TRAFFIC:
- IH 43 NB: TWO LANES OF TRAFFIC ON EXISTING PAVEMENT, TEMPORARY PAVEMENT, NEW PAVEMENT AND NEW STRUCTURE B-40-1021 (RAMP HAA)
- IH 43 SB: TWO LANES OF TRAFFIC ON EXISTING PAVEMENT, TEMPORARY PAVEMENT, TEMPORARY CROSSOVER AND NEW IH 43 NB PAVEMENT
- RAMP GBA2: OPEN TO TRAFFIC (SHORT TERM CLOSURES FOR B-40-1014 WORK)
- RAMP GBB2: OPEN TO TRAFFIC
- RAMP GBC: CLOSED TO TRAFFIC
- RAMP GBD: CLOSED TO TRAFFIC
- RAMP HAA: CLOSED TO TRAFFIC
- RAMP HAB: CLOSED TO TRAFFIC
- SB ENTRANCE RAMP FROM SILVER SPRING DRIVE: OPEN TO TRAFFIC

Addendum No. 01
ID 1228-22-71
Revised Sheet 422
April 1, 2021

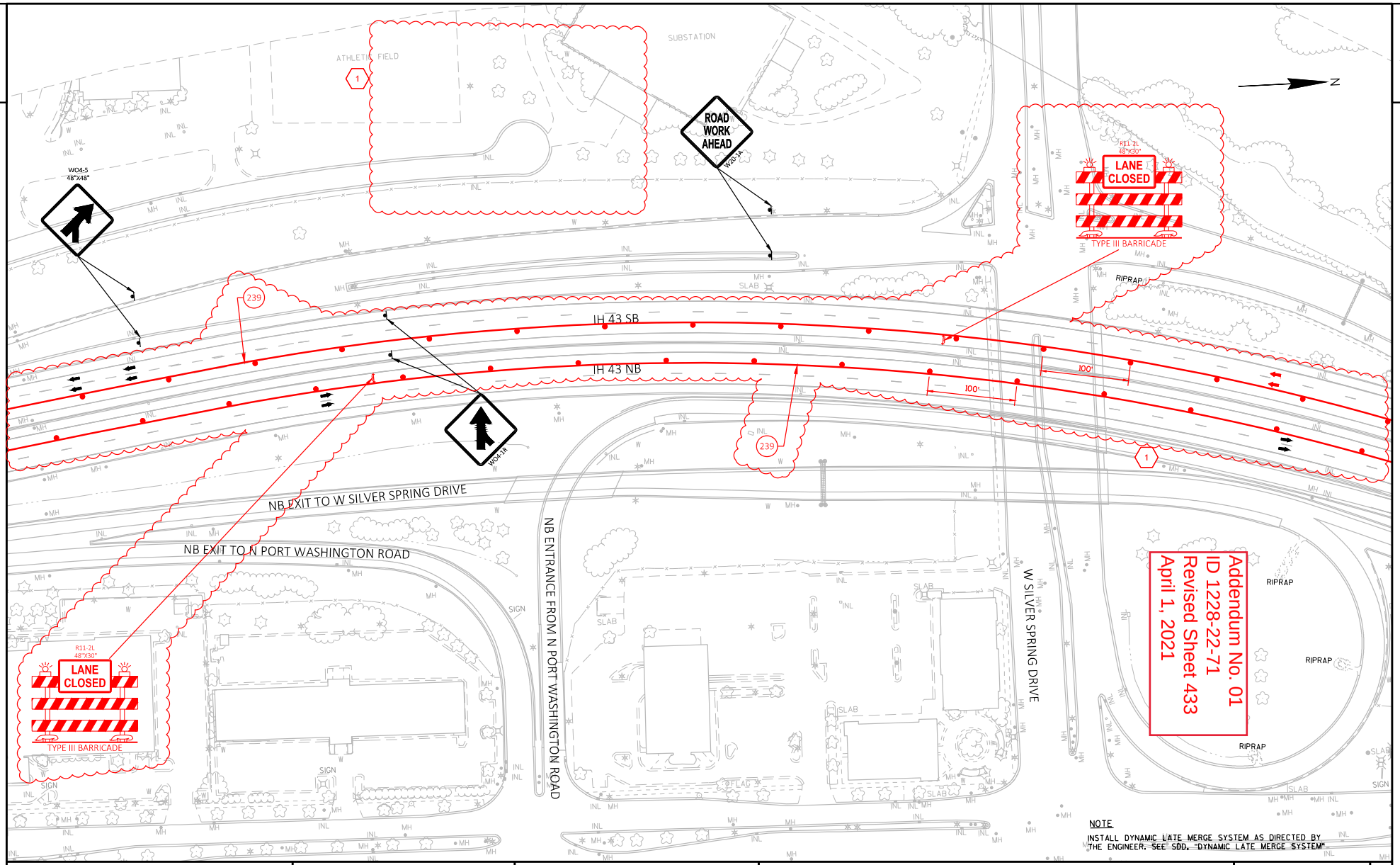
PROJECT NO: 1228-22-71	HWY: IH43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - OVERVIEW STAGE 2D	SHEET 422	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST2D-1OV.DWG
LAYOUT NAME - OVERVIEW
PLOT DATE : 3/31/2021 2:06 PM PLOT BY : JELACIC, JOSEPH C PLOT NAME : PLOT SCALE : 1 IN: 400 FT



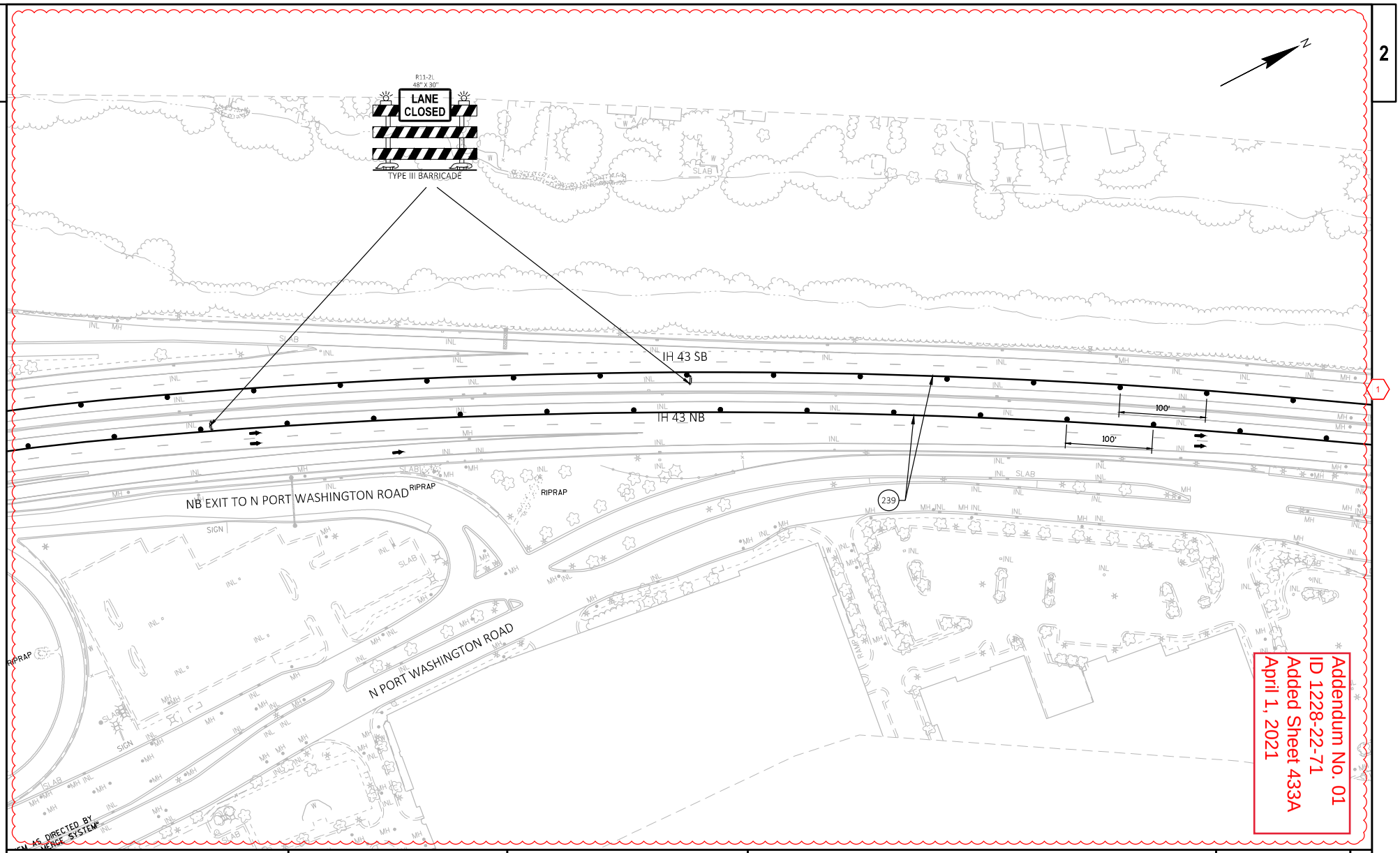
PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2D	SHEET 432	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST2D-3ST.DWG
LAYOUT NAME - 08
PLOT DATE : 3/31/2021 6:49 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



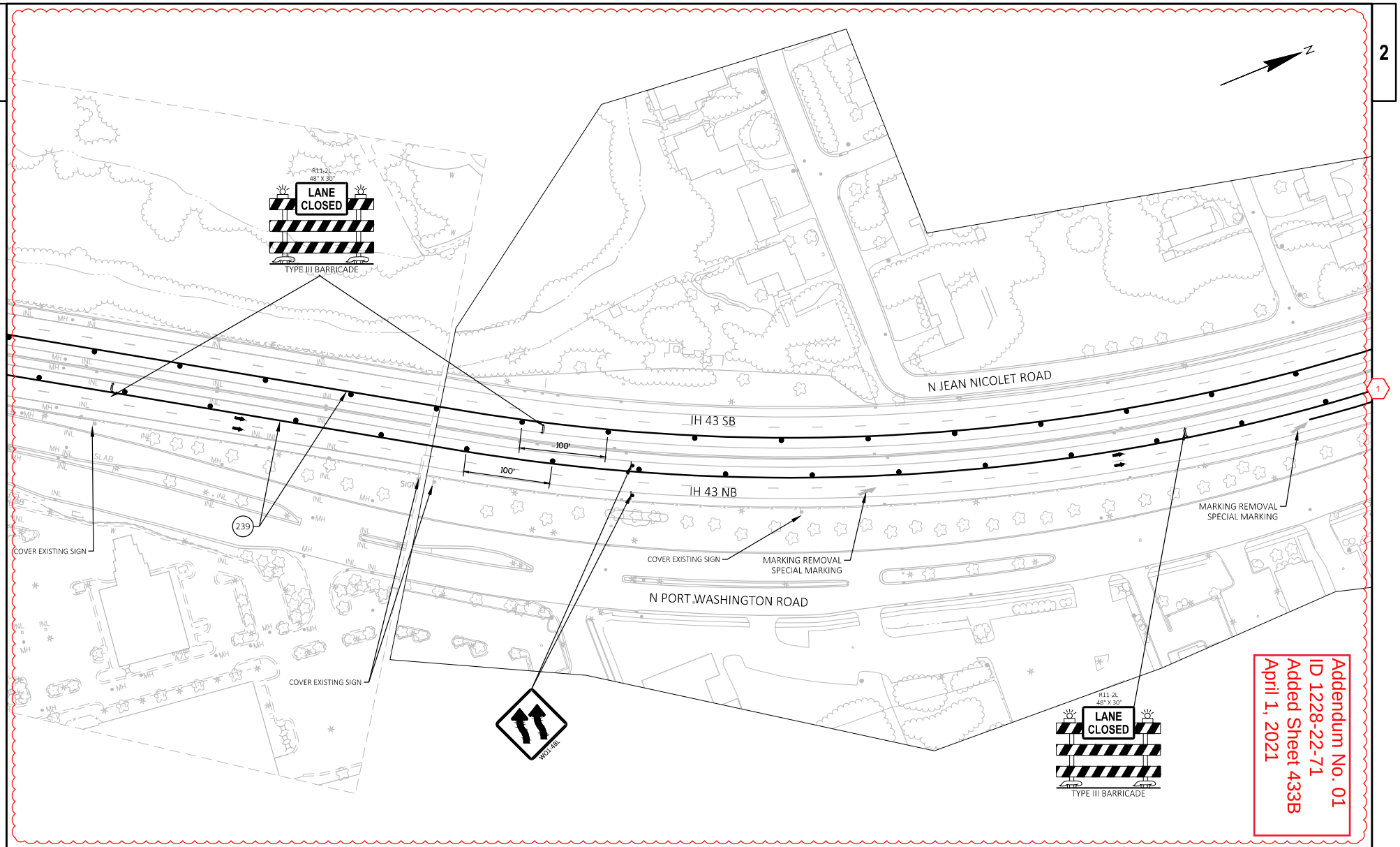
PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2D	SHEET 433	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST2D-3ST.DWG
LAYOUT NAME - 09
PLOT DATE : 3/31/2021 6:50 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : ##########



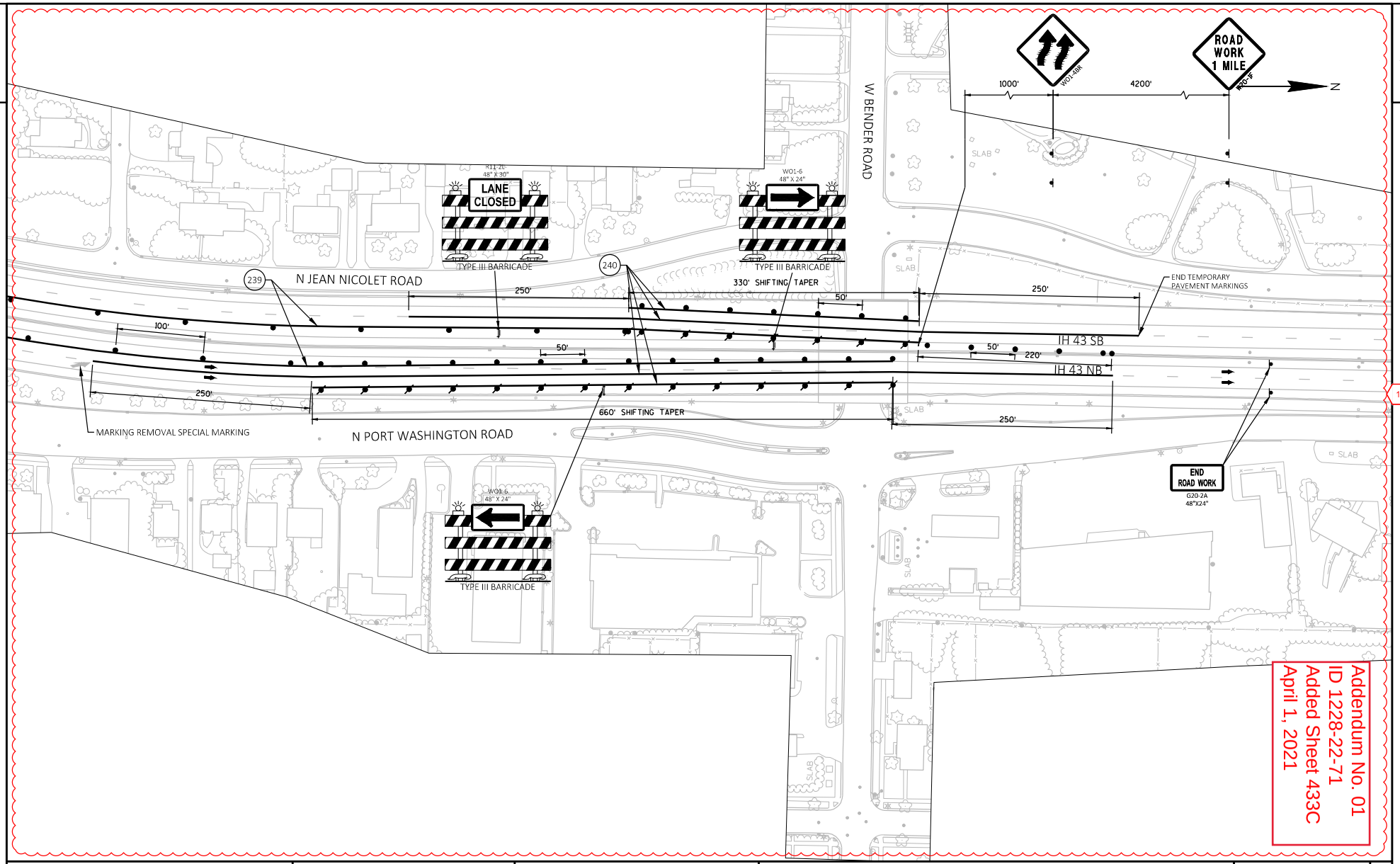
PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2D	SHEET 433A	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST2D-3ST.DWG
LAYOUT NAME - 10
PLOT DATE : 3/31/2021 6:51 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : ##########



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2D	SHEET 433B	E

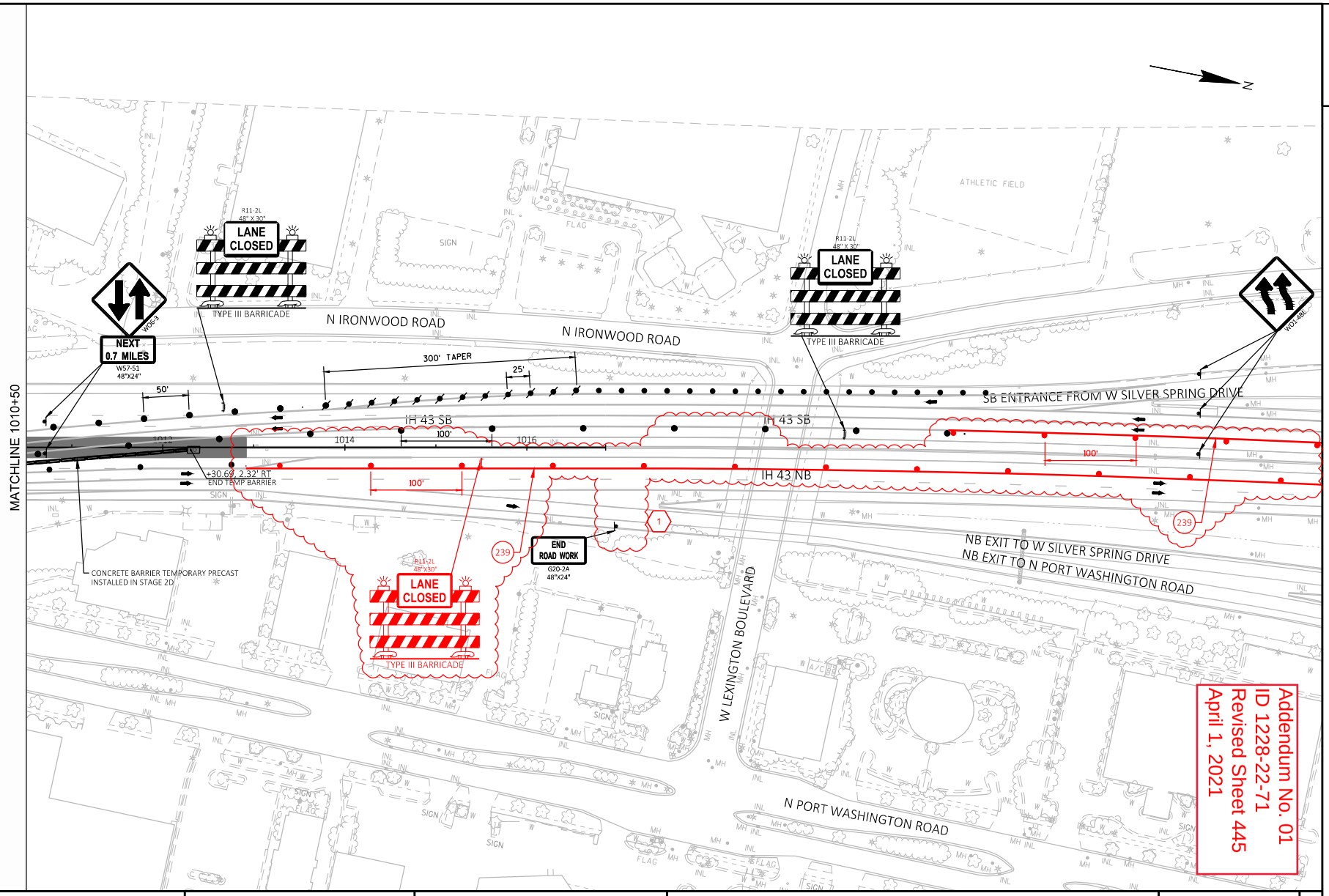
FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST2D-3ST.DWG
LAYOUT NAME - 11
PLOT DATE : 3/31/2021 6:52 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : ##########



Addendum No. 01
ID 1228-22-71
Added Sheet 433C
April 1, 2021

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2D	SHEET 433C	E

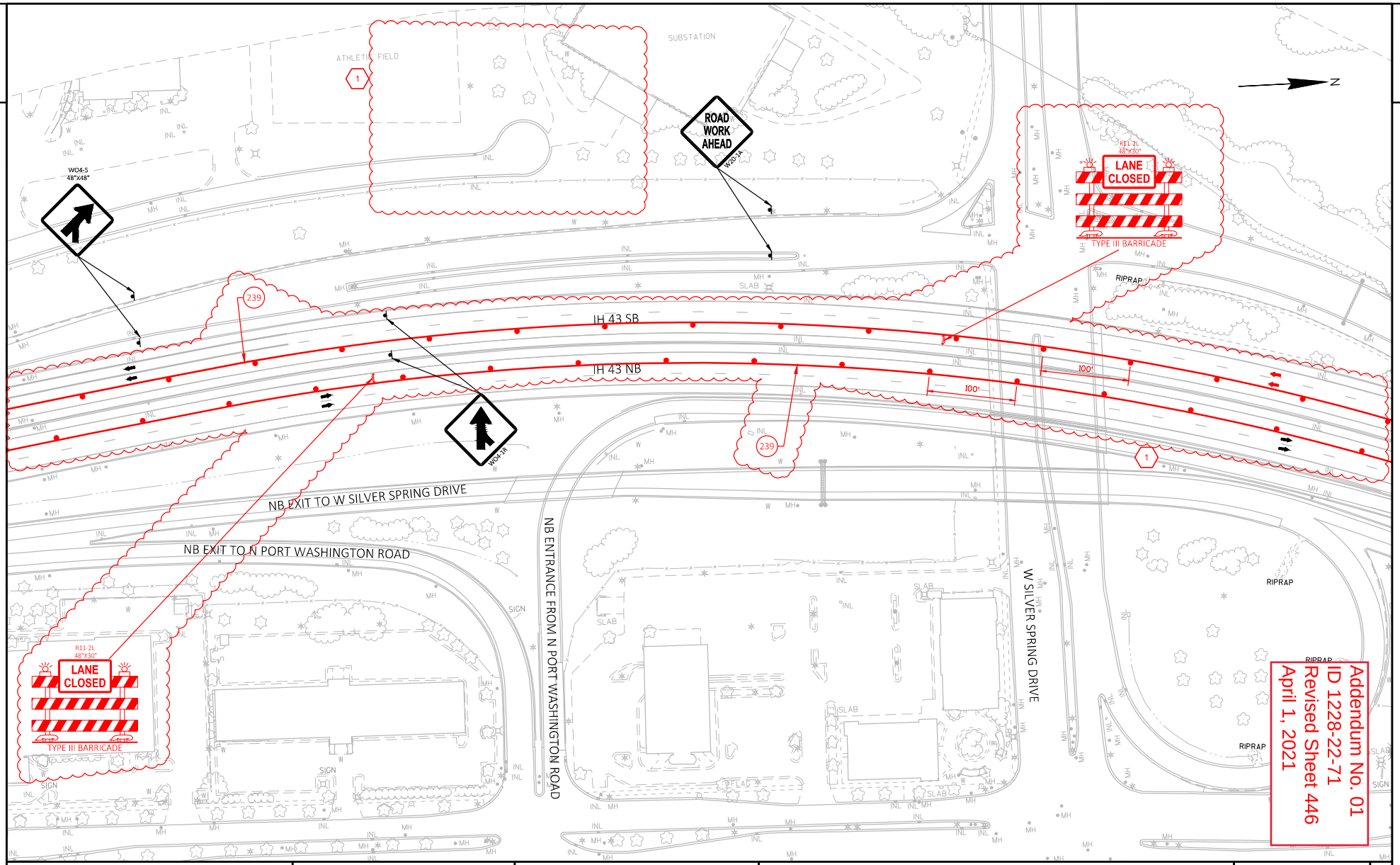
FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST2D-3ST.DWG
LAYOUT NAME - 12
PLOT DATE : 3/31/2021 6:53 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : ##########



Addendum No. 01
ID 1228-22-71
Revised Sheet 445
April 1, 2021

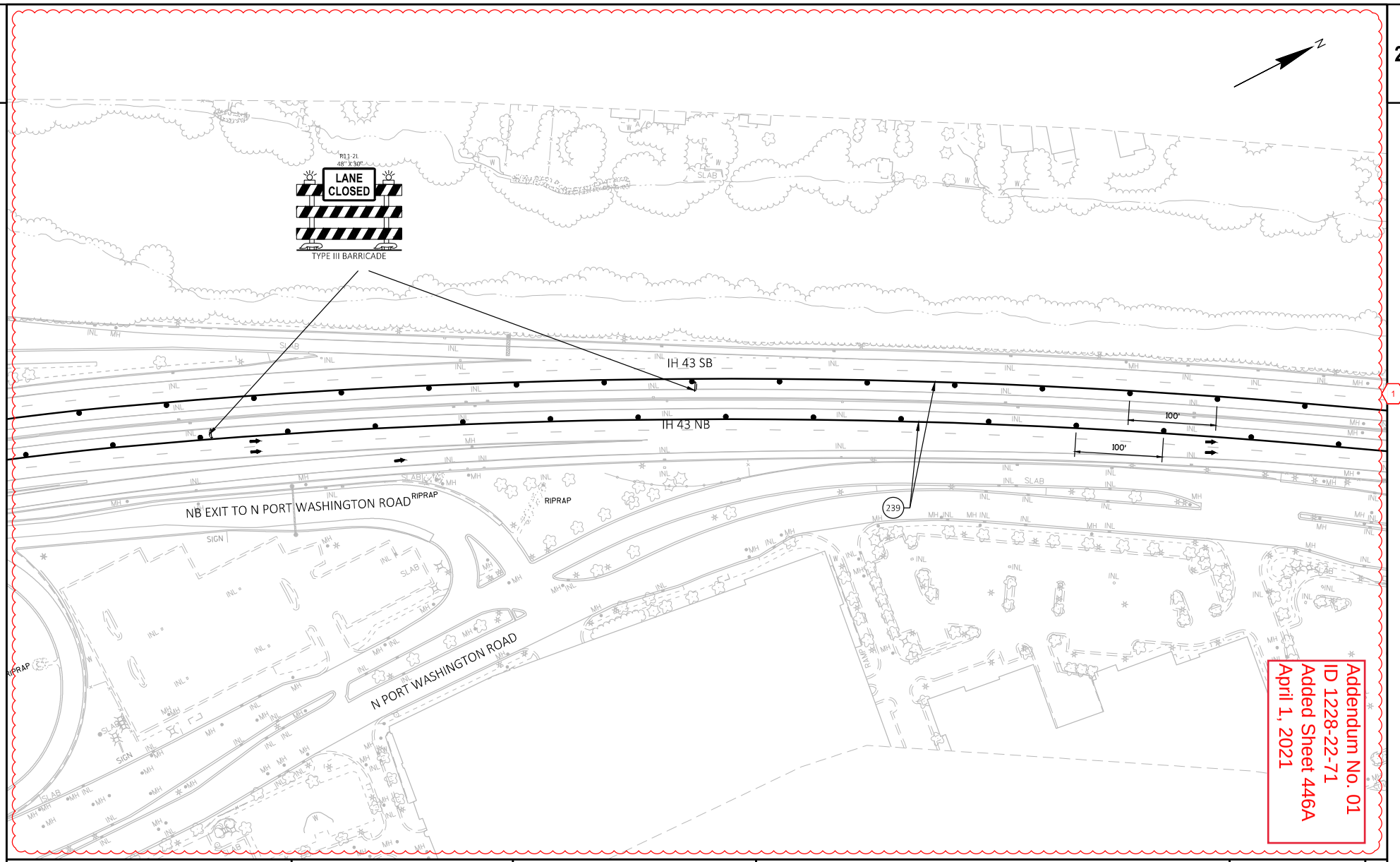
PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3A	SHEET 445	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST3A-3ST.DWG
LAYOUT NAME - 08
PLOT DATE : 3/31/2021 6:55 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42



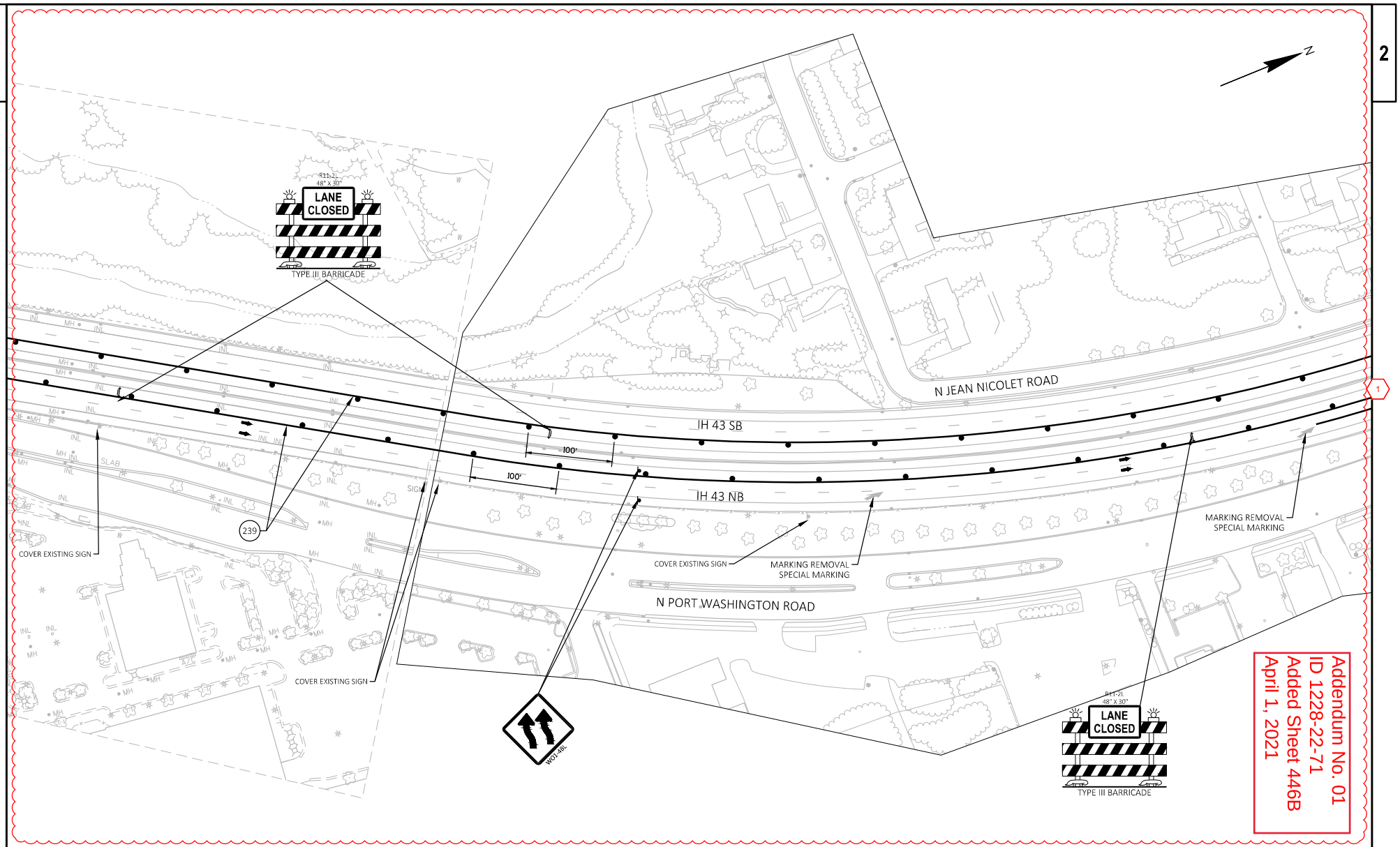
PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3A	SHEET 446	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST3A-3ST.DWG
LAYOUT NAME - 09
PLOT DATE : 3/31/2021 6:56 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : ##########



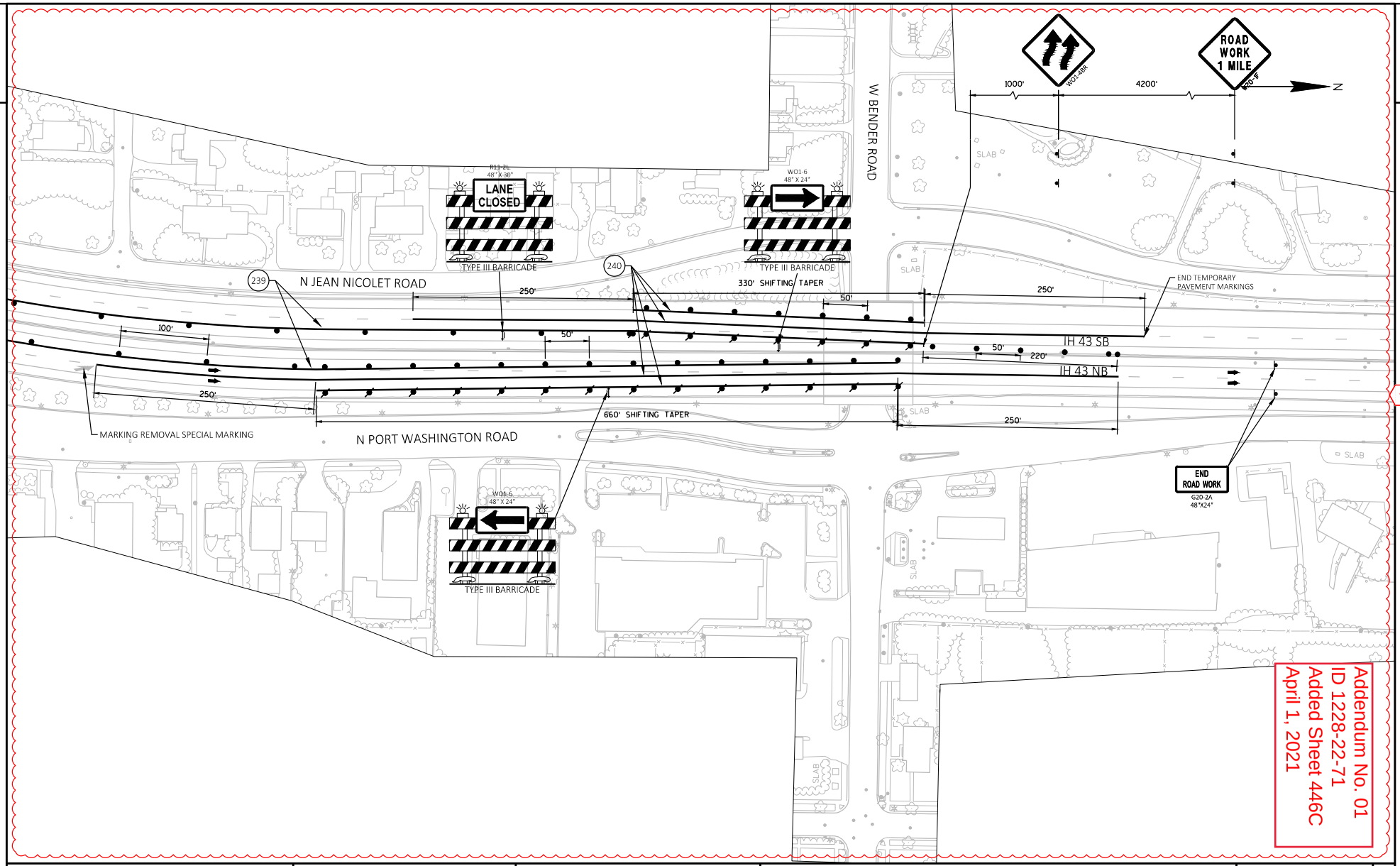
PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3A	SHEET 446A	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST3A-3ST.DWG
LAYOUT NAME - 10
PLOT DATE : 3/31/2021 6:56 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : ##########



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3A	SHEET 446B	E

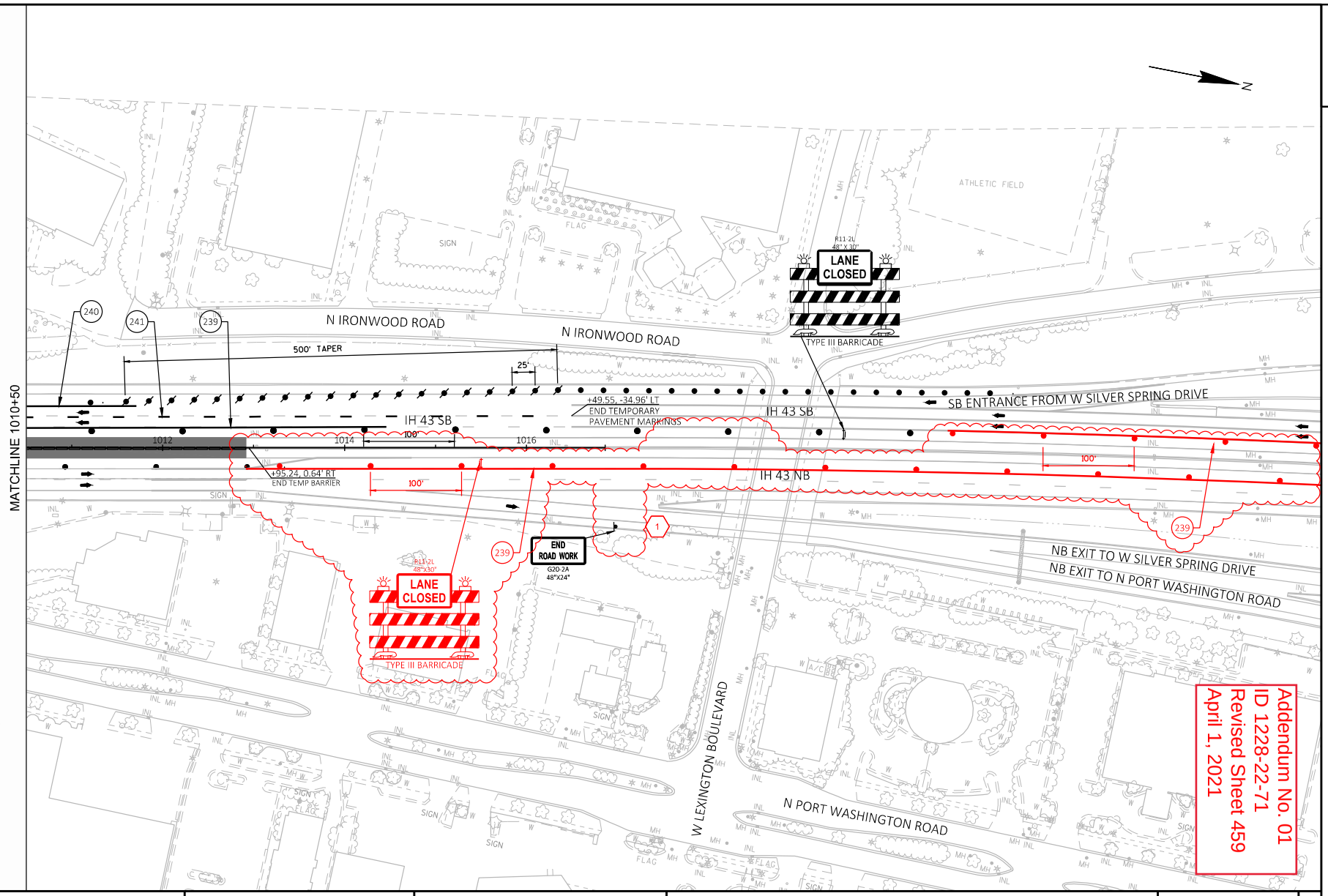
FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST3A-3ST.DWG
LAYOUT NAME - 11
PLOT DATE : 3/31/2021 6:57 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : ##########



Addendum No. 01
ID 1228-22-71
Added Sheet 446C
April 1, 2021

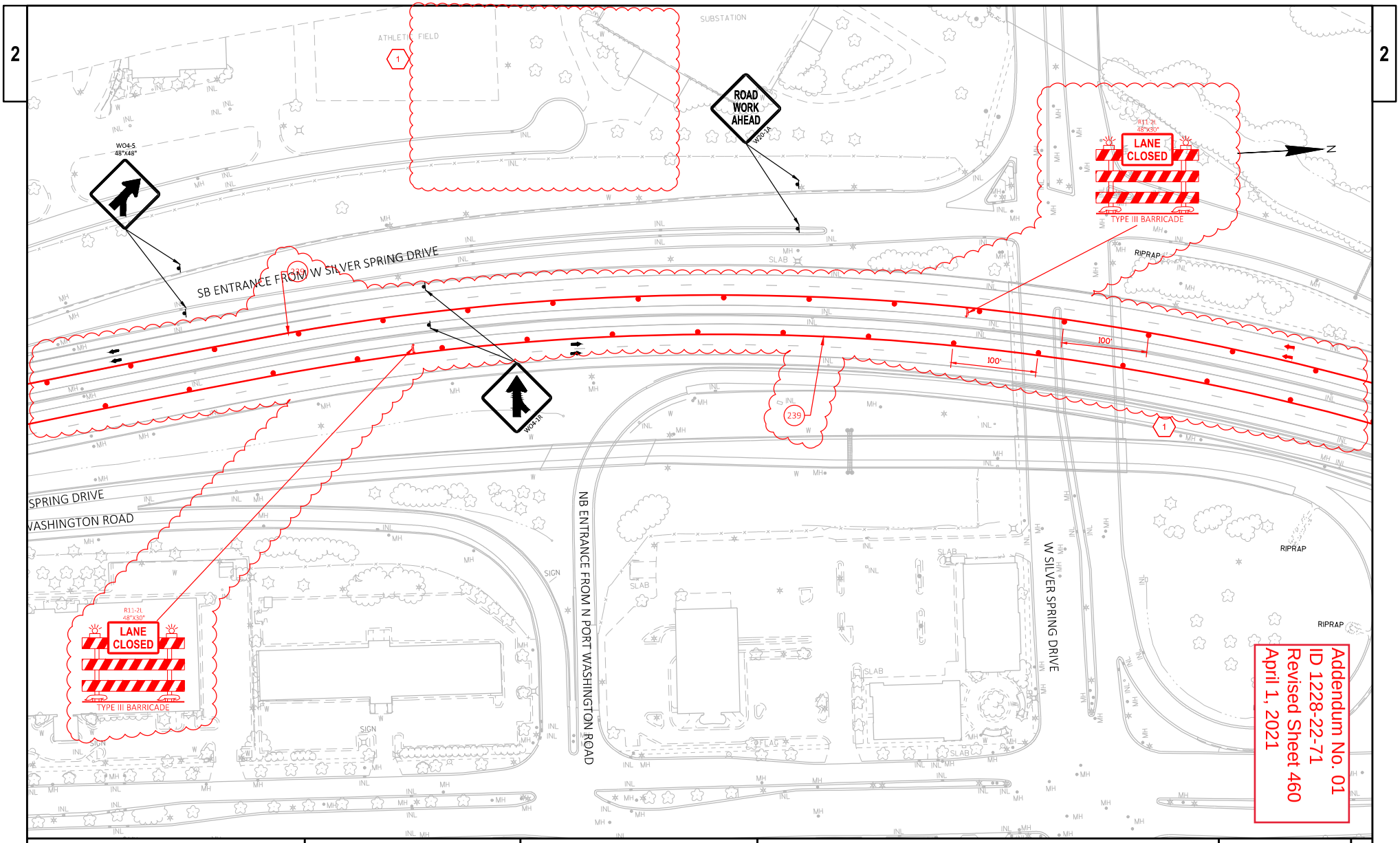
PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3A	SHEET 446C	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST3A-3ST.DWG
LAYOUT NAME - 12
PLOT DATE : 3/31/2021 6:58 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : ##########



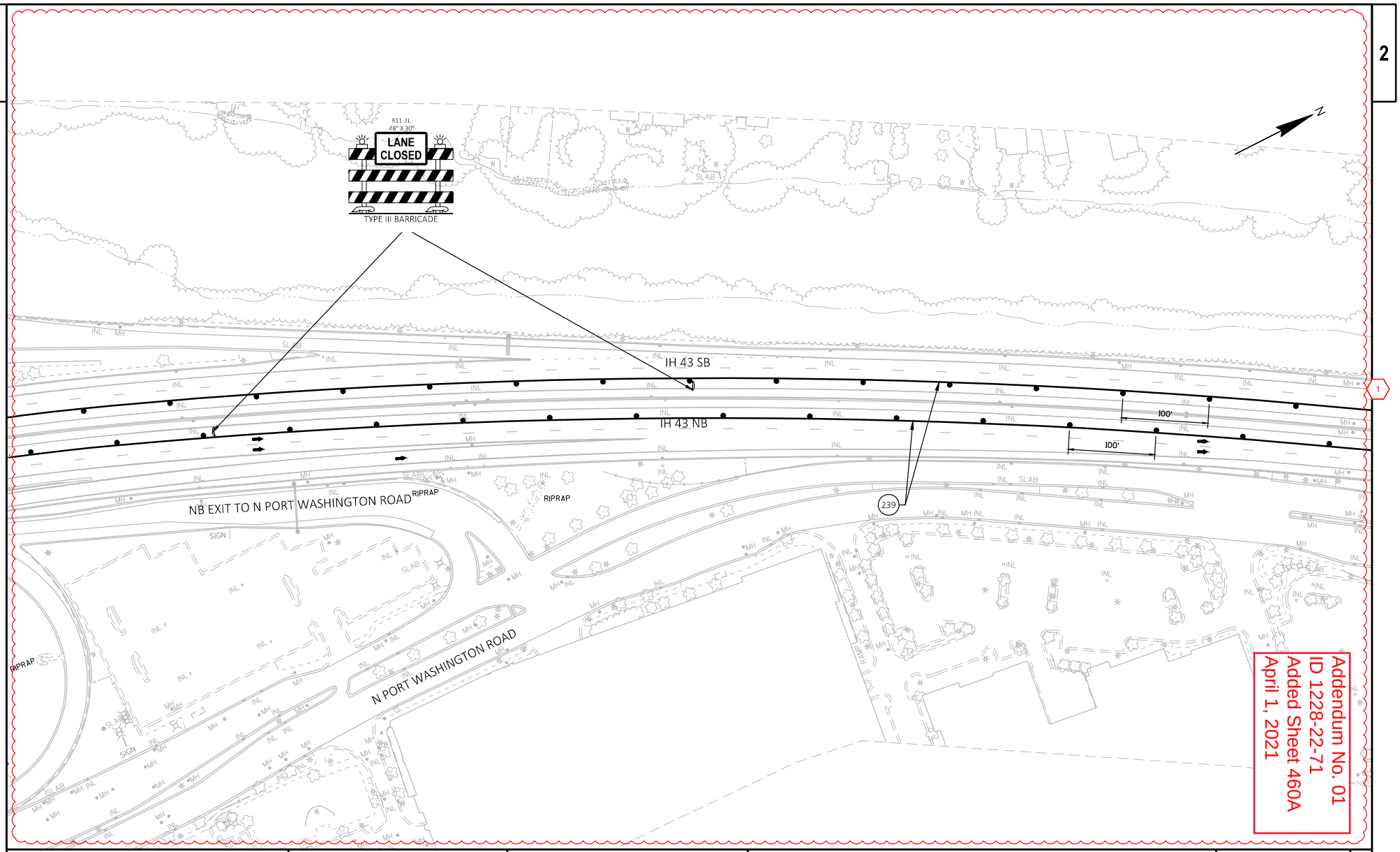
PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 459	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST3B-3ST.DWG
LAYOUT NAME - 08
PLOT DATE : 3/31/2021 6:59 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 460	E

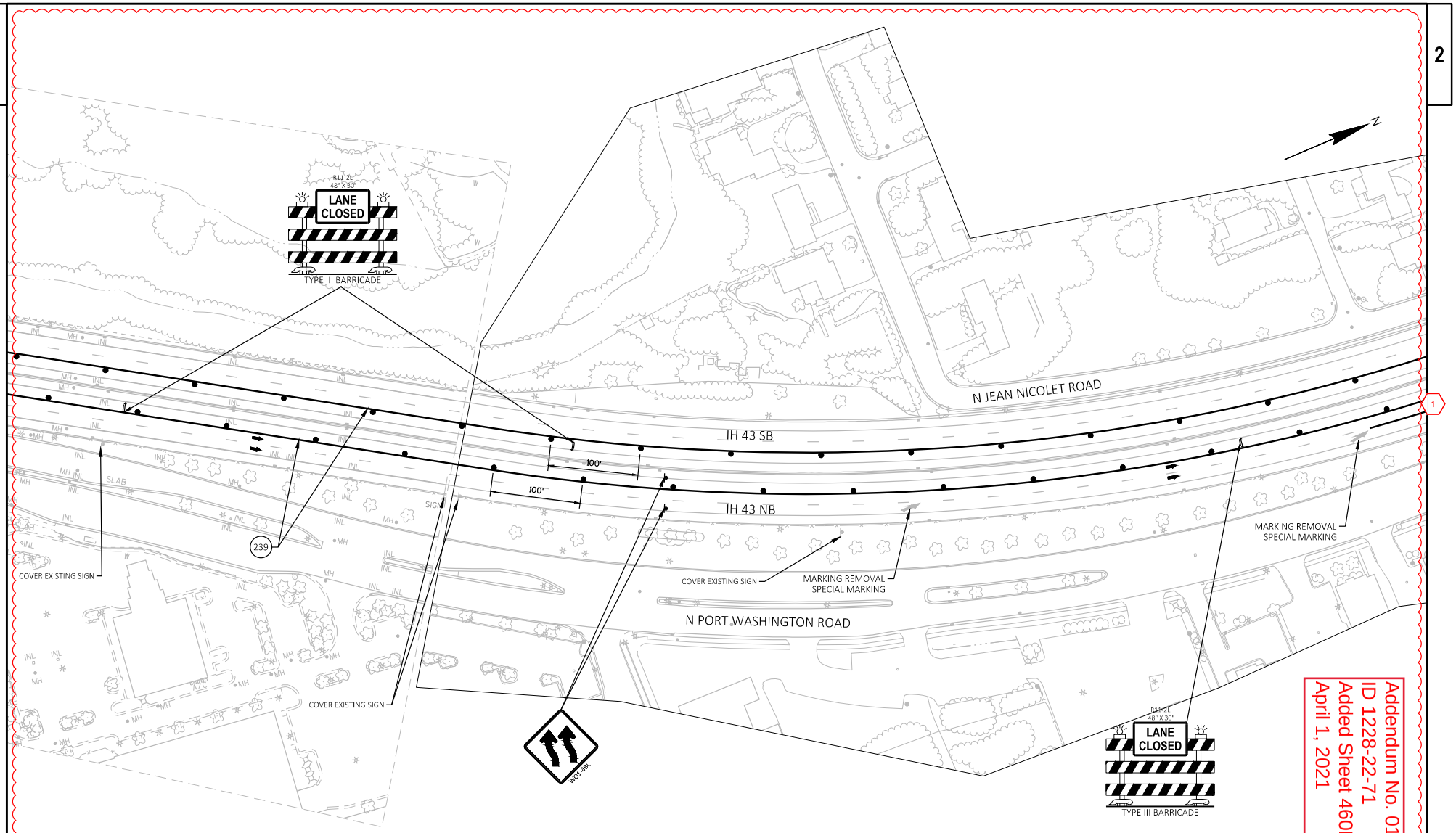
FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST3B-3ST.DWG
LAYOUT NAME - 09
PLOT DATE : 3/31/2021 6:59 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 460A	E

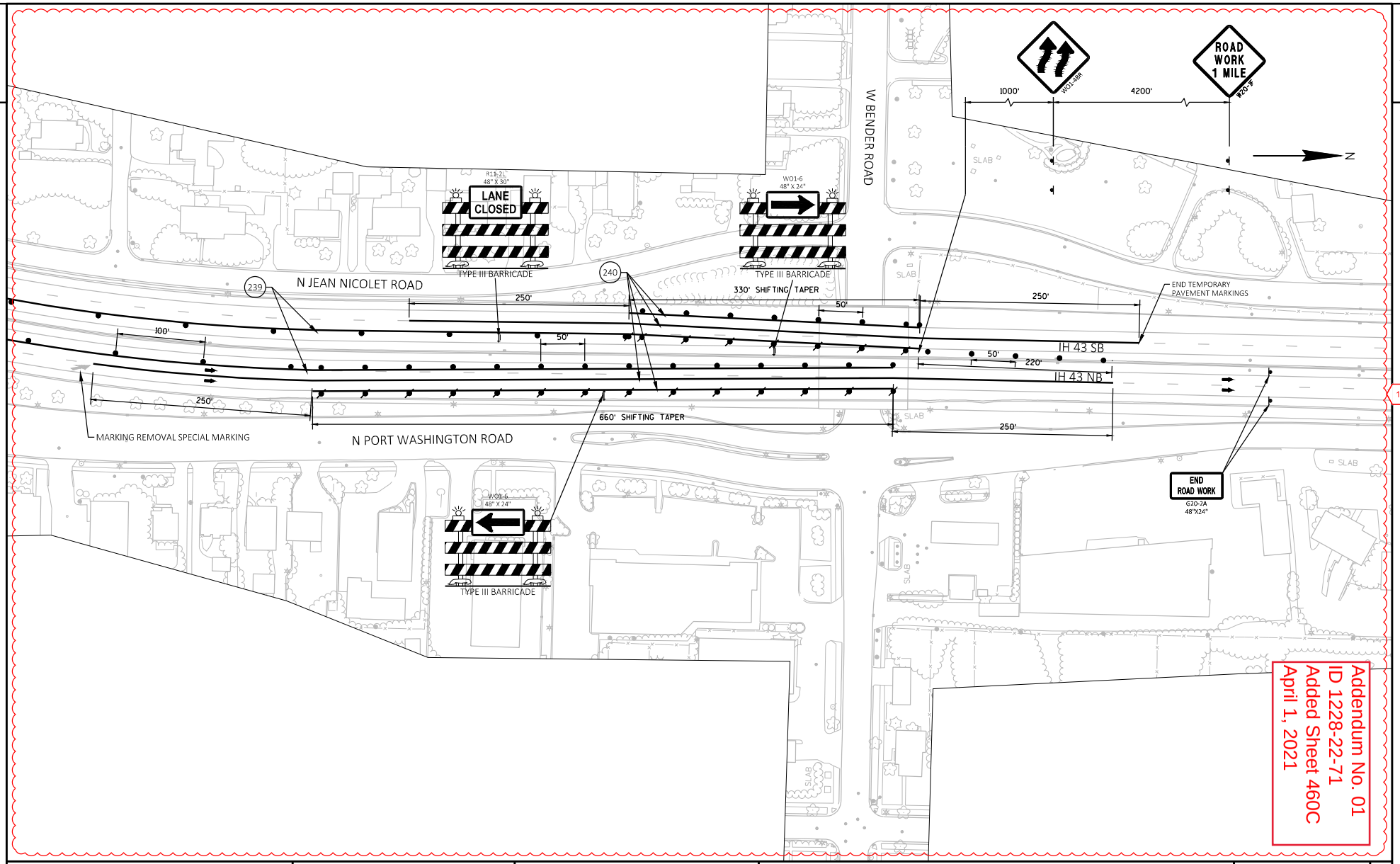
FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST3B-3ST.DWG
LAYOUT NAME - 10
PLOT DATE : 3/31/2021 7:00 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 460B	E

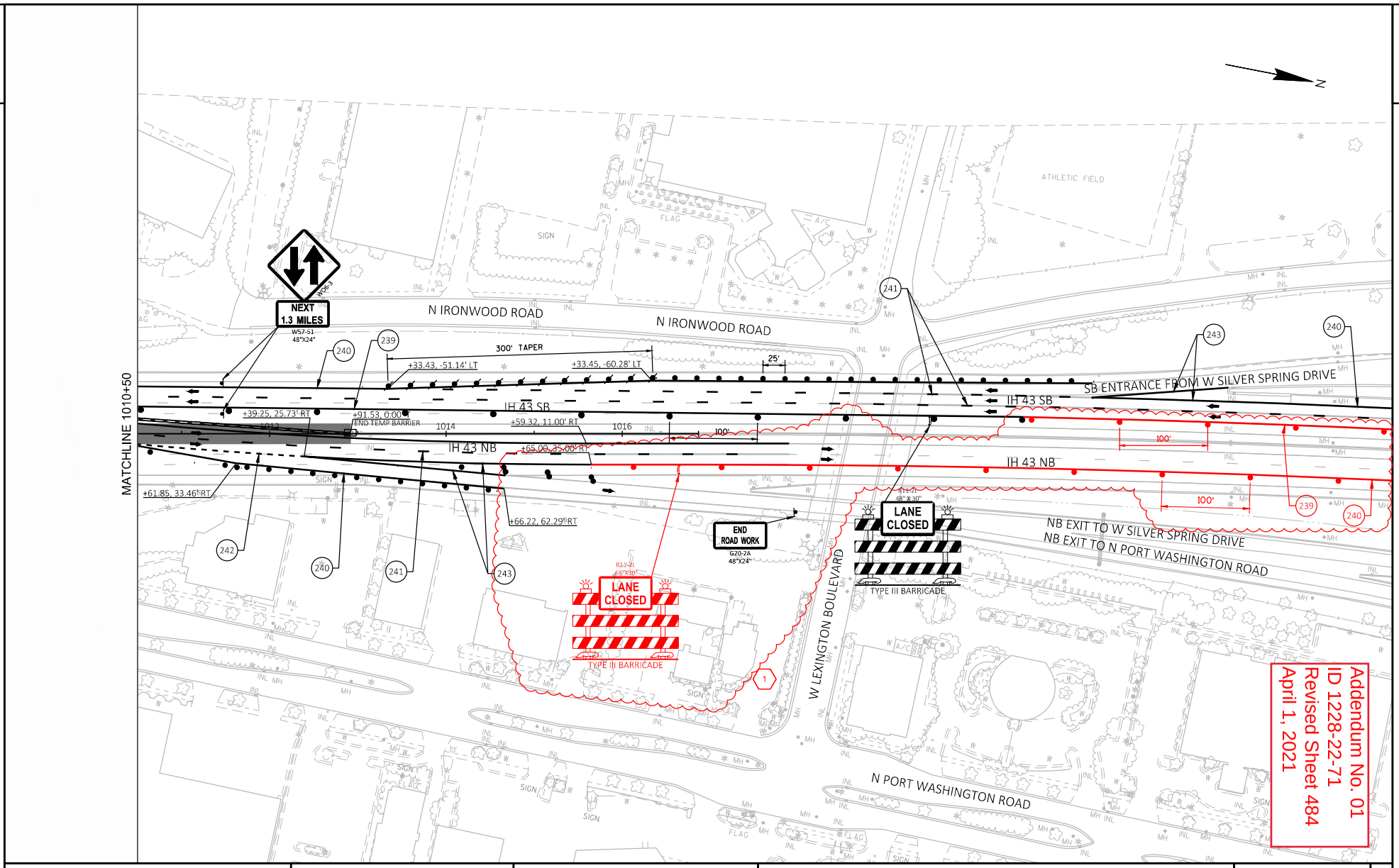
FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST3B-3ST.DWG
LAYOUT NAME - 11
PLOT DATE : 3/31/2021 7:01 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



Addendum No. 01
ID 1228-22-71
Added Sheet 460C
April 1, 2021

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 460C	E

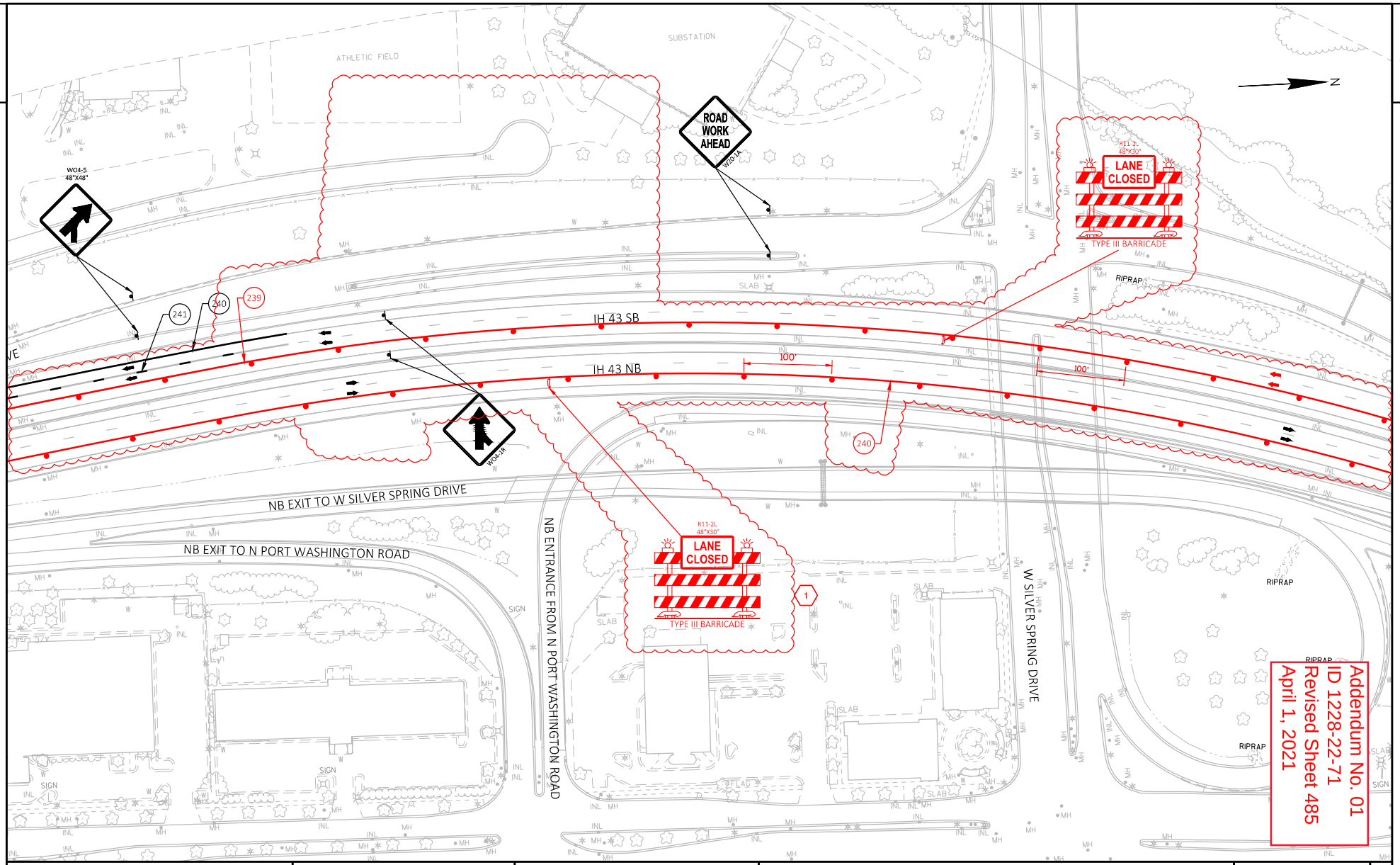
FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST3B-3ST.DWG
LAYOUT NAME - 12
PLOT DATE : 3/31/2021 7:01 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



Addendum No. 01
ID 1228-22-71
Revised Sheet 484
April 1, 2021

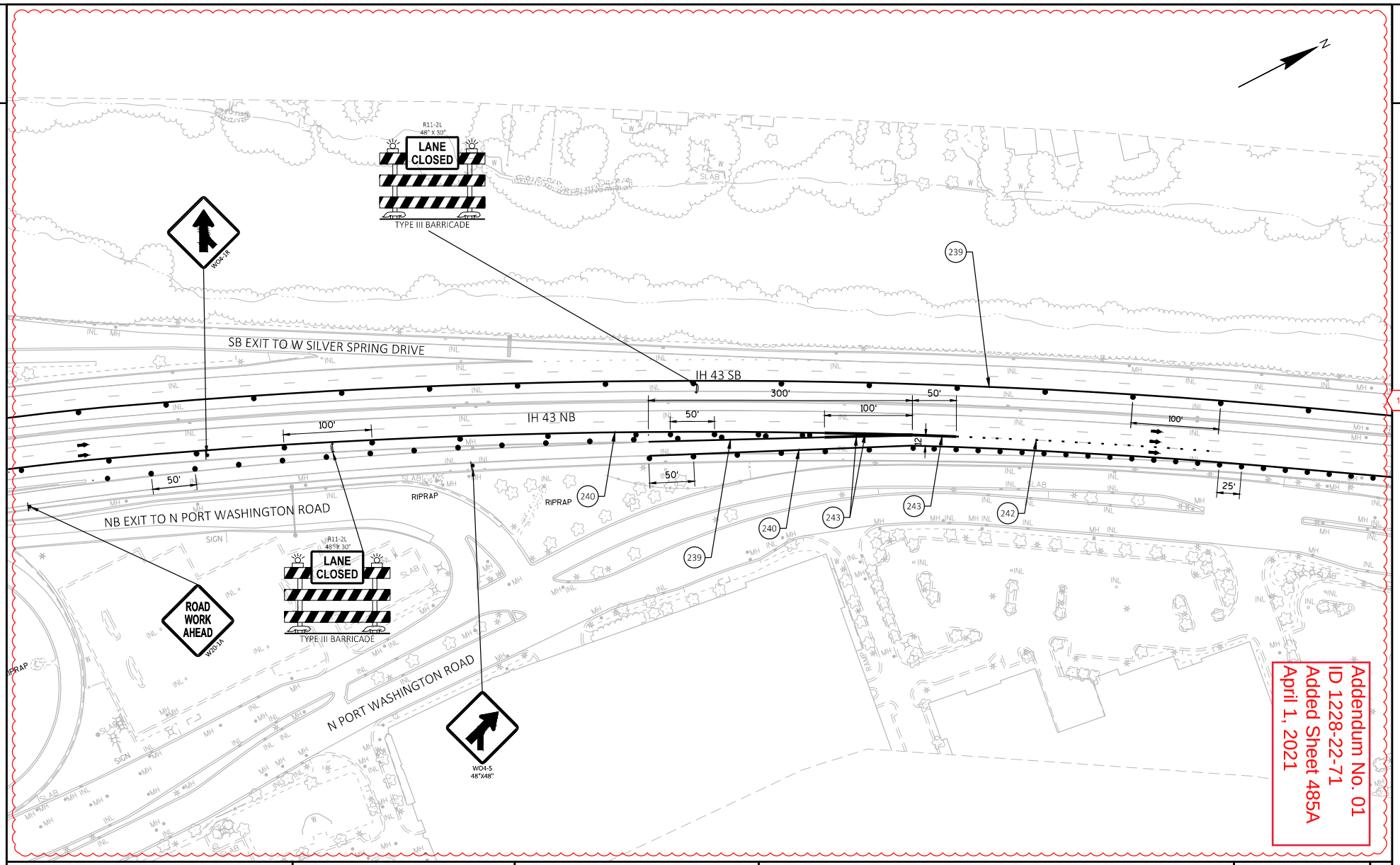
PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4	SHEET 484	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST4-3ST.DWG
LAYOUT NAME - 08
PLOT DATE : 3/31/2021 8:03 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



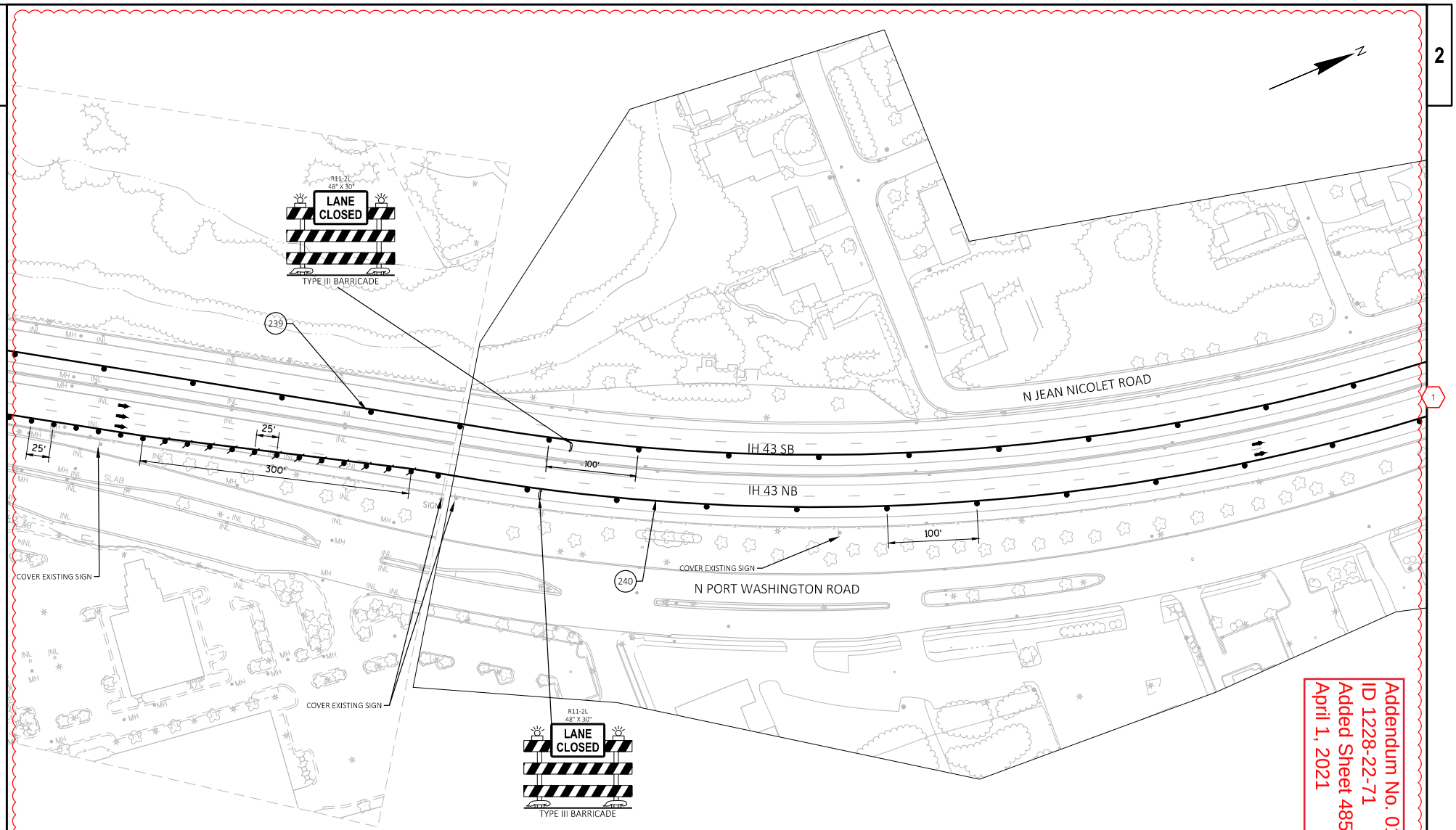
PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4	SHEET 485	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST4-3ST.DWG
LAYOUT NAME - 09
PLOT DATE : 3/31/2021 8:04 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : ##########



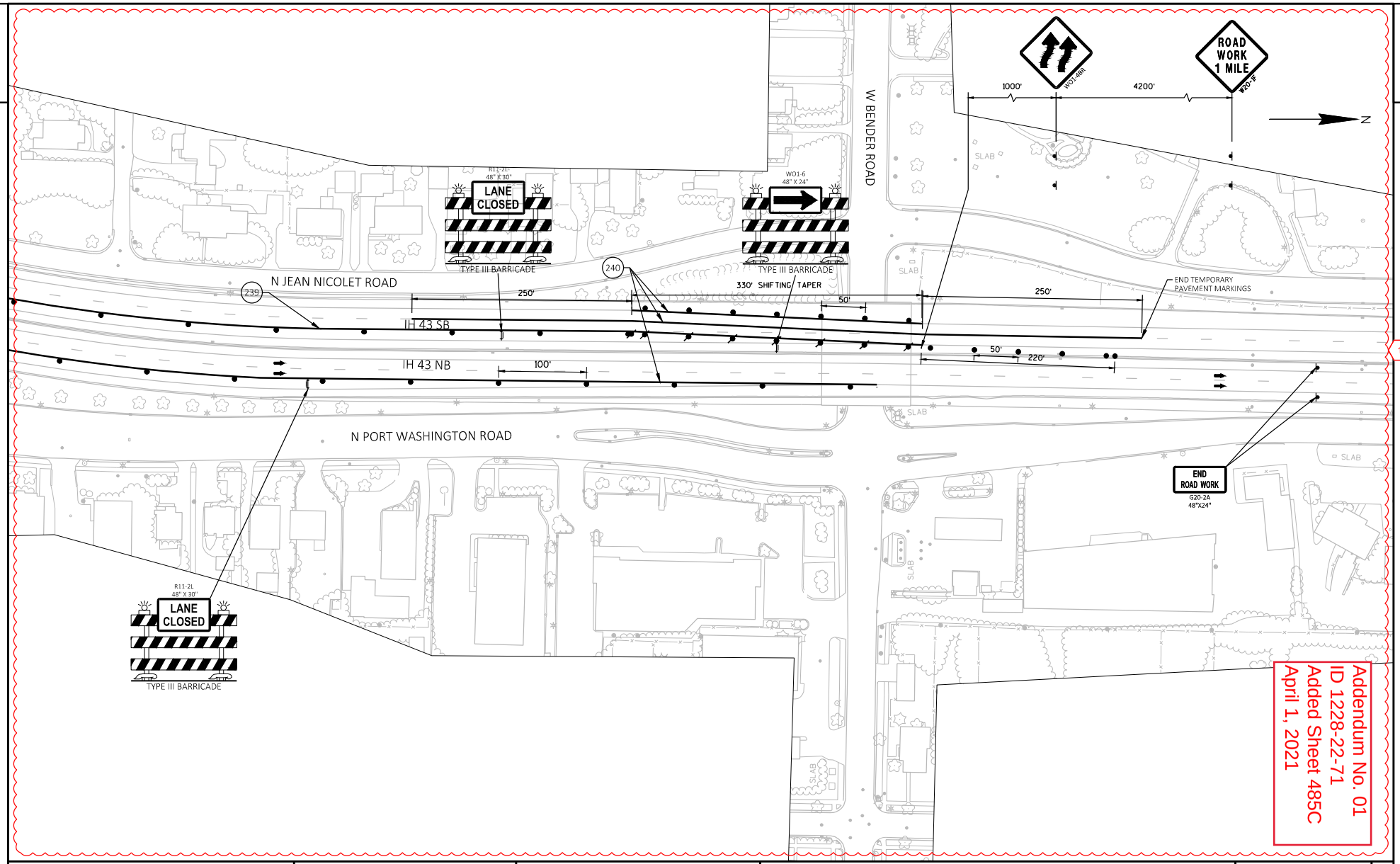
PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4	SHEET 485A	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST4-3ST.DWG
LAYOUT NAME - 10
PLOT DATE : 3/31/2021 8:05 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : ##########



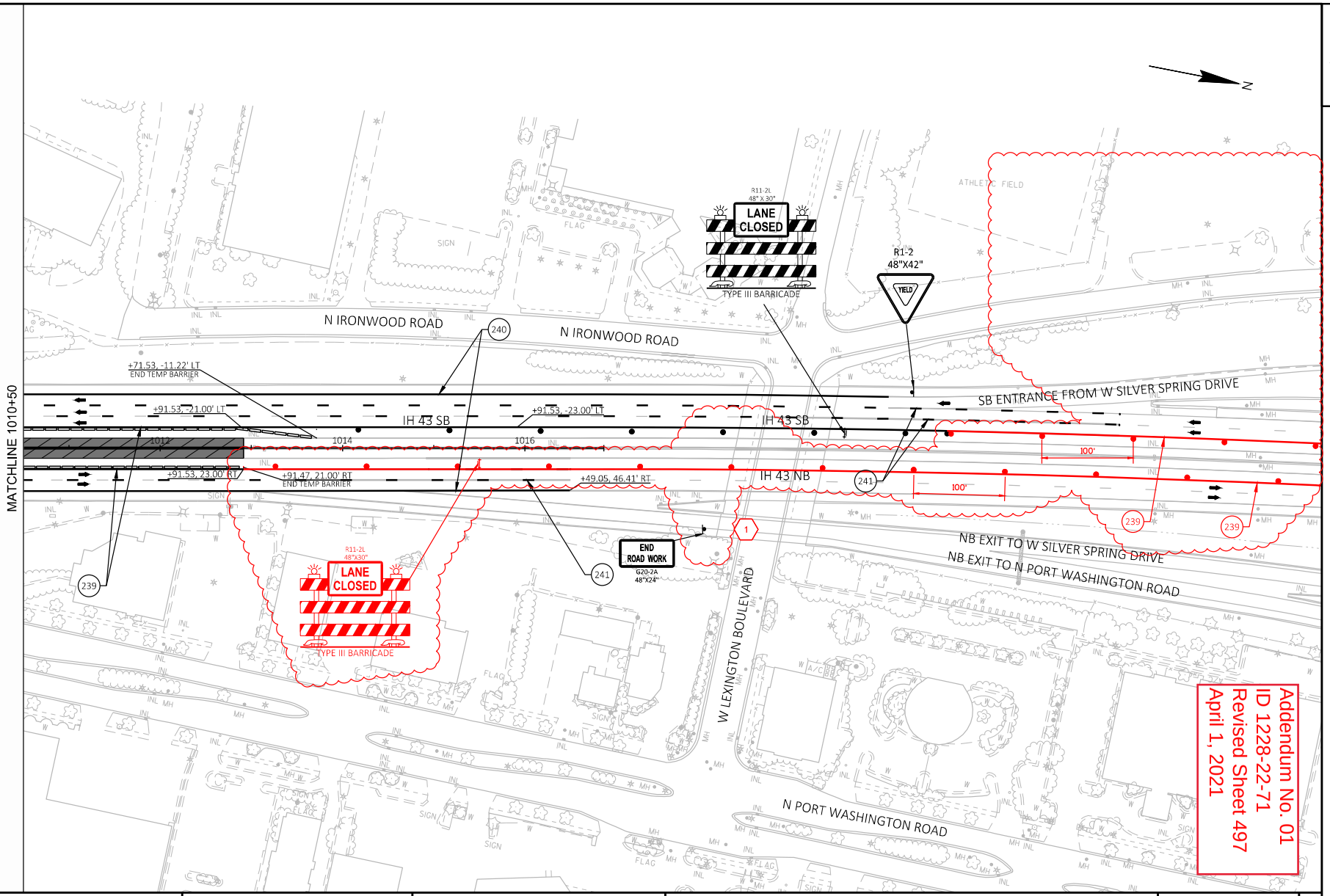
PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4	SHEET 485B	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST4-3ST.DWG
LAYOUT NAME - 11
PLOT DATE : 3/31/2021 8:06 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : ##########



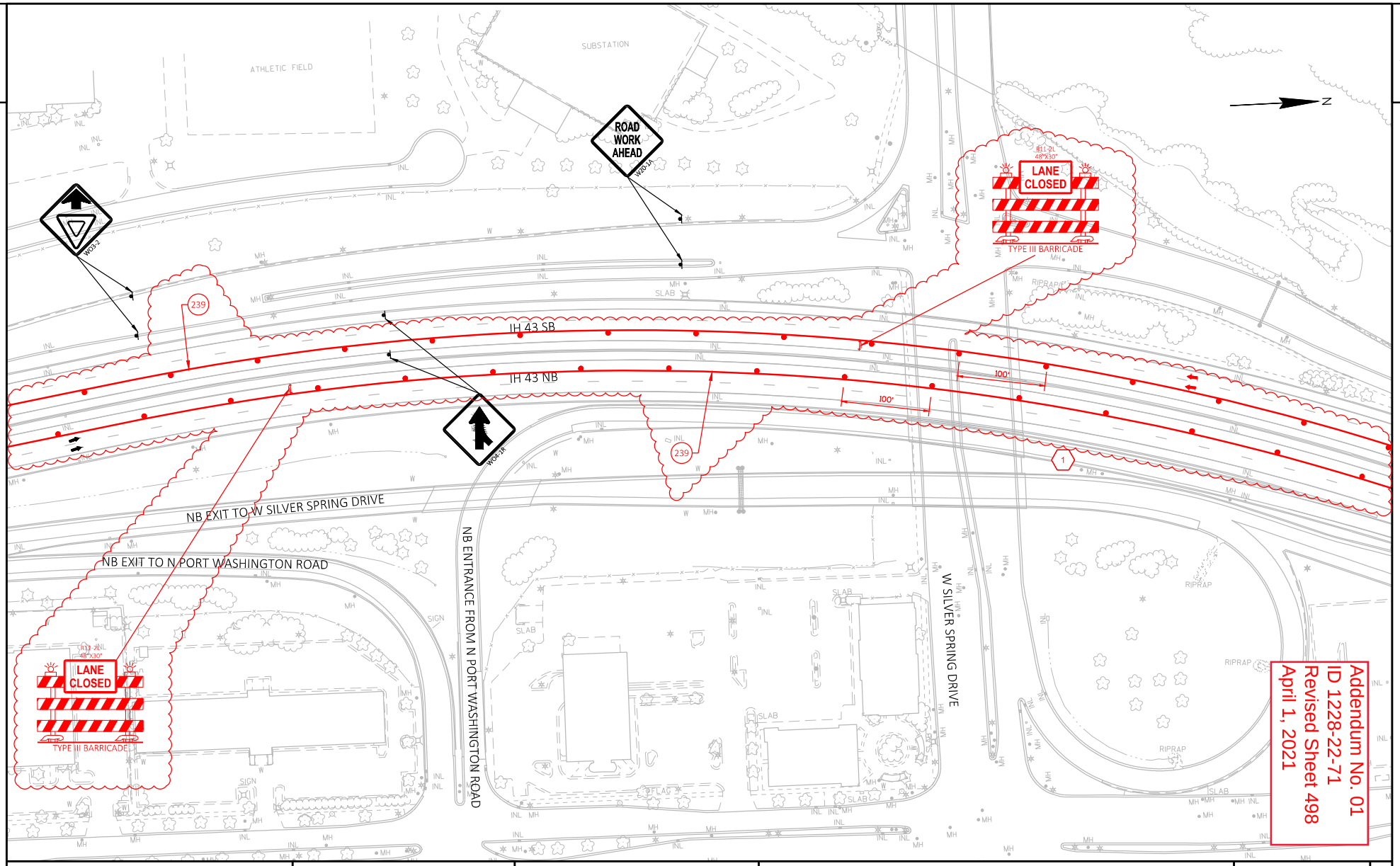
PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4	SHEET 485C	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST4-3ST.DWG
LAYOUT NAME - 12
PLOT DATE : 3/31/2021 8:07 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : ##########



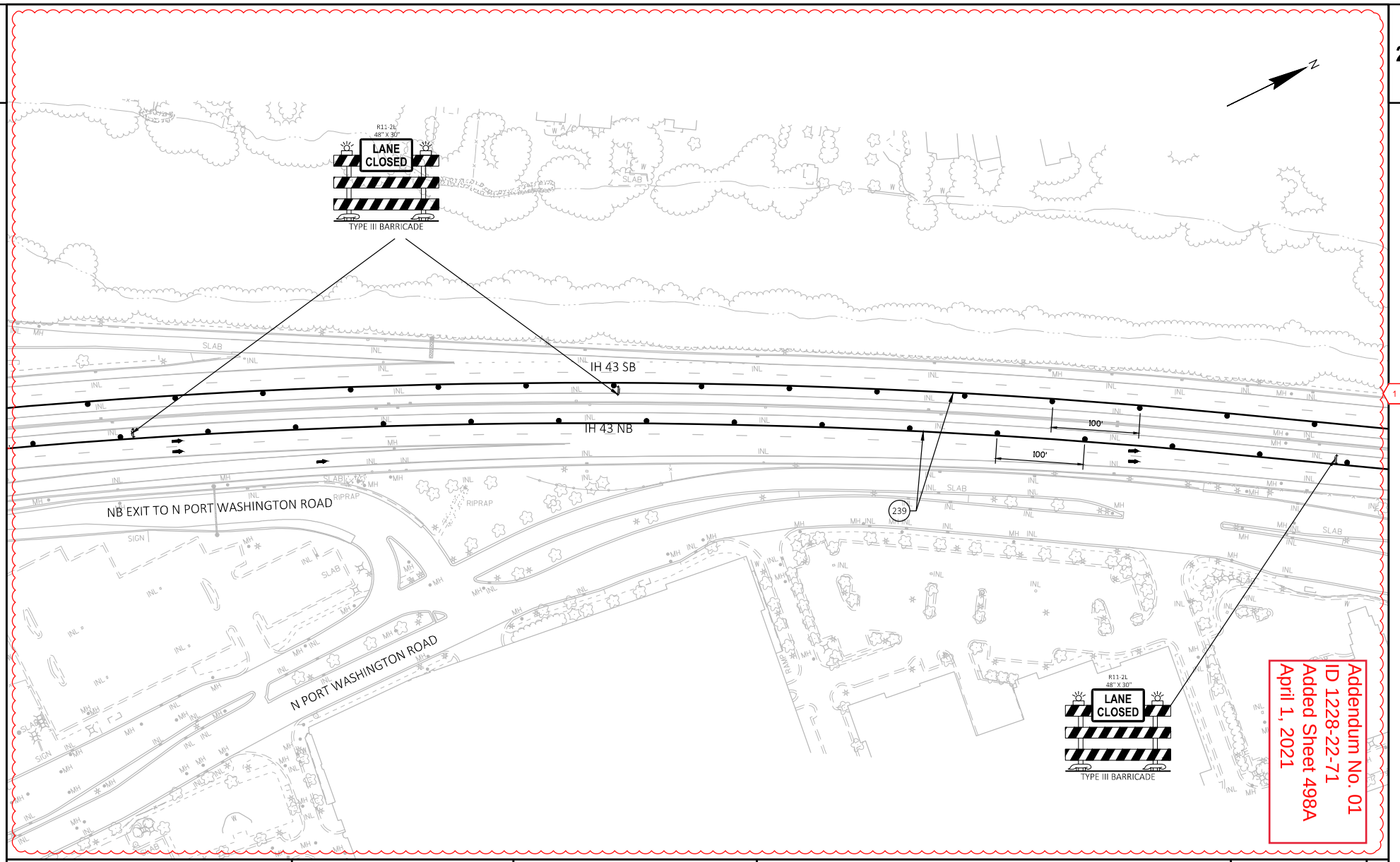
PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 5	SHEET 497	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST5-3ST.DWG
LAYOUT NAME - 08
PLOT DATE : 3/31/2021 7:03 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42



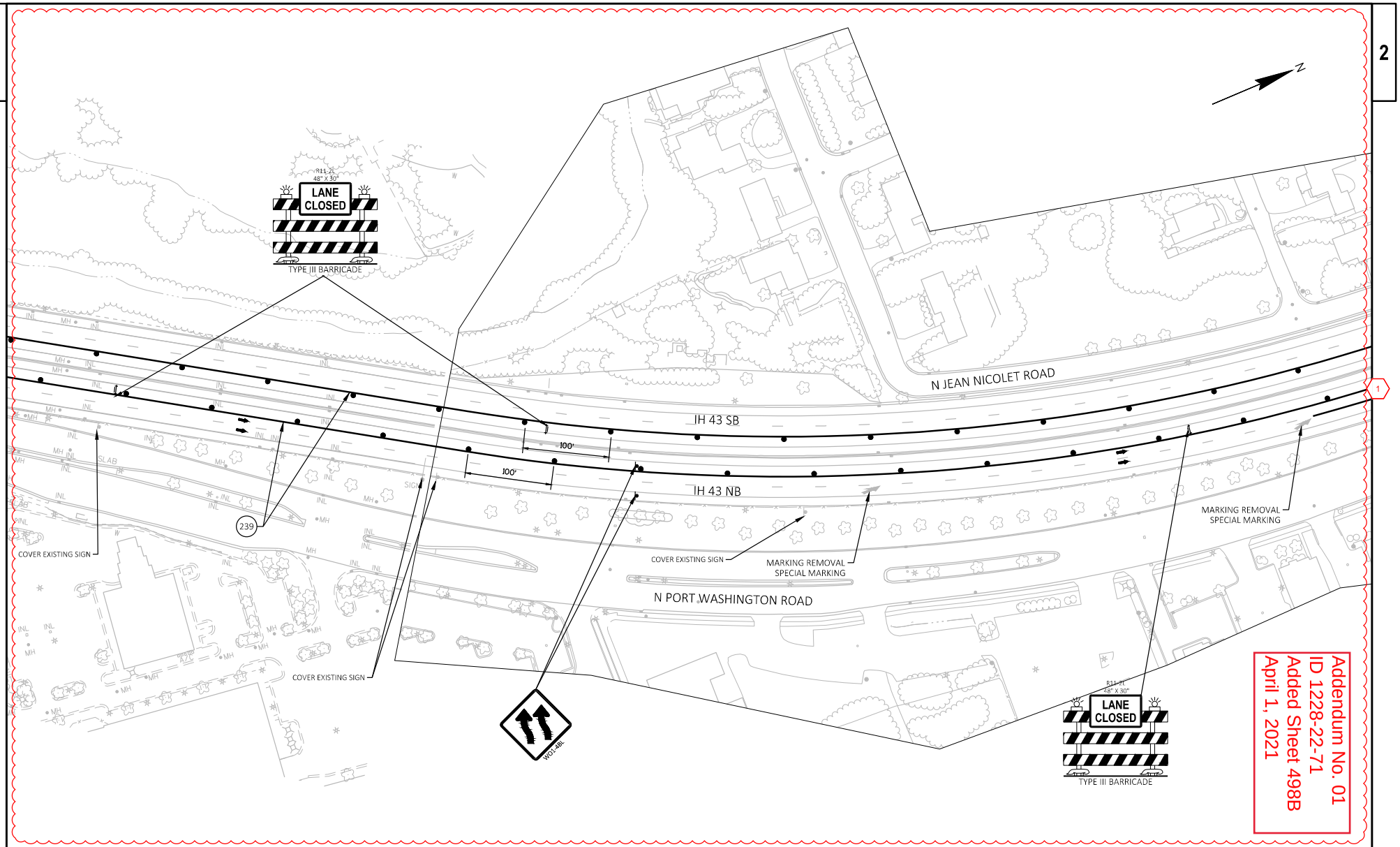
PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 5	SHEET 498	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST5-3ST.DWG
LAYOUT NAME - 09
PLOT DATE : 3/31/2021 7:04 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



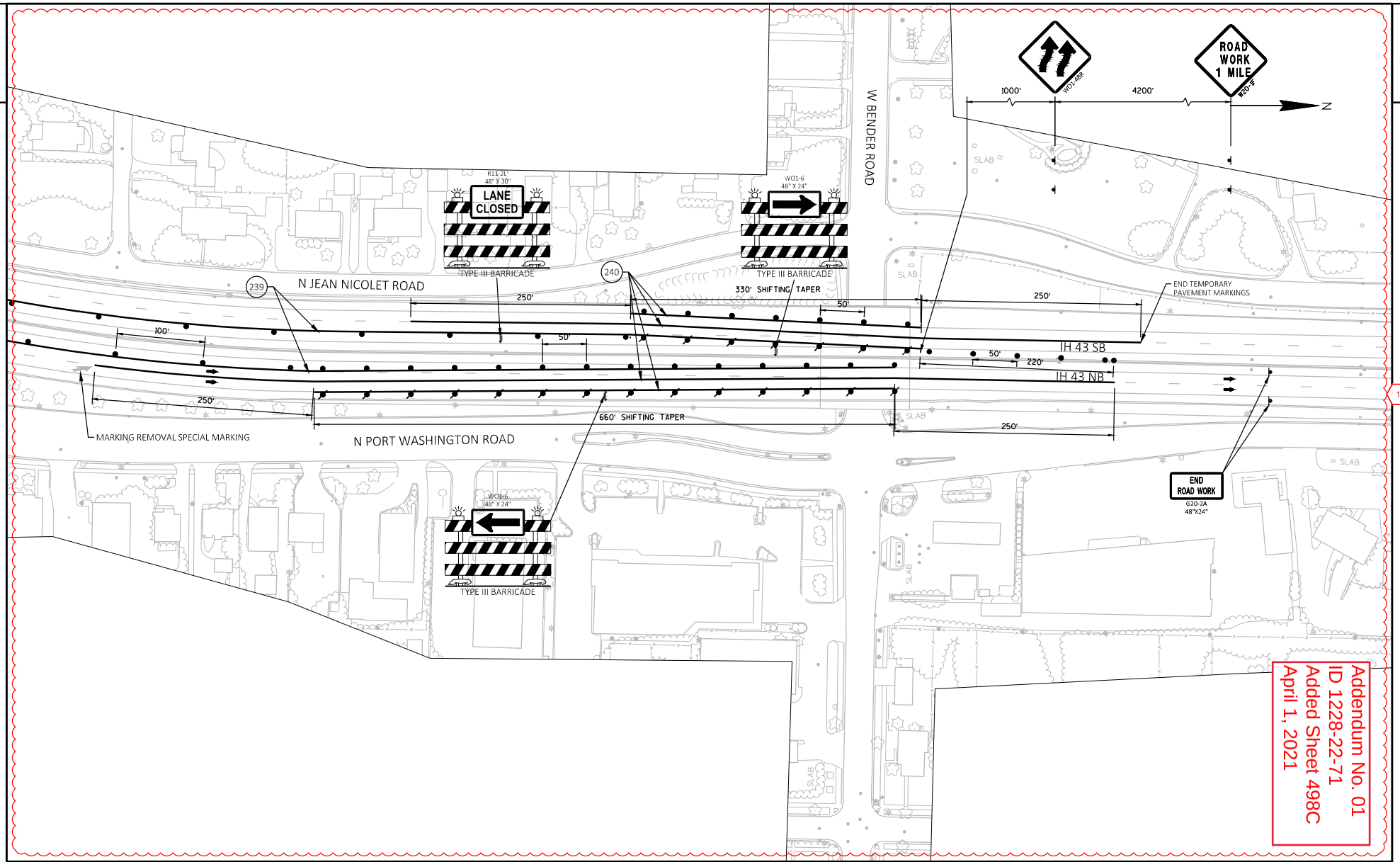
PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 5	SHEET 498A	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST5-3ST.DWG
LAYOUT NAME - 10
PLOT DATE : 3/31/2021 7:05 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 5	SHEET 498B	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST5-3ST.DWG
LAYOUT NAME - 11
PLOT DATE : 3/31/2021 7:05 PM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

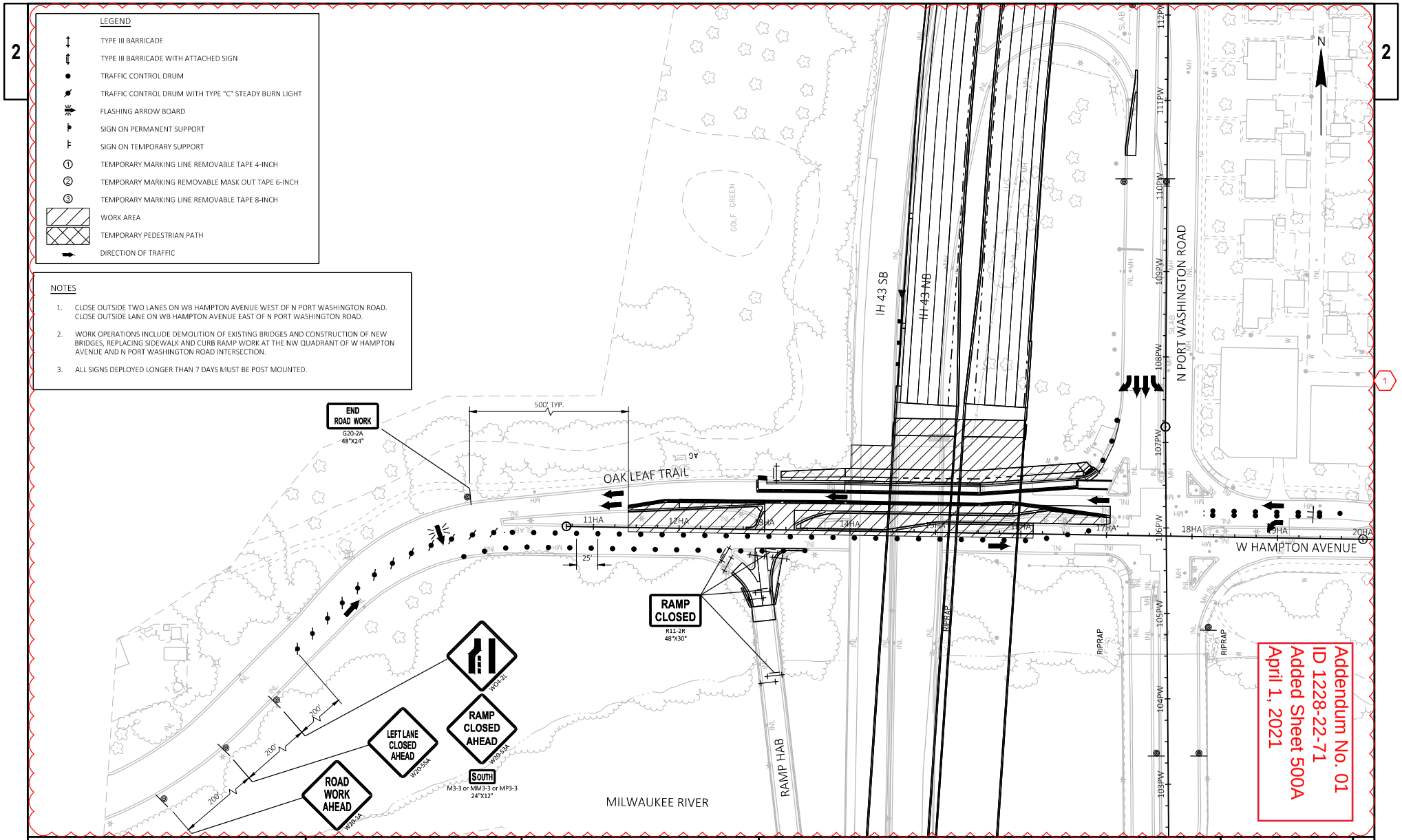


PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 5	SHEET 498C	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST5-3ST.DWG
LAYOUT NAME - 12

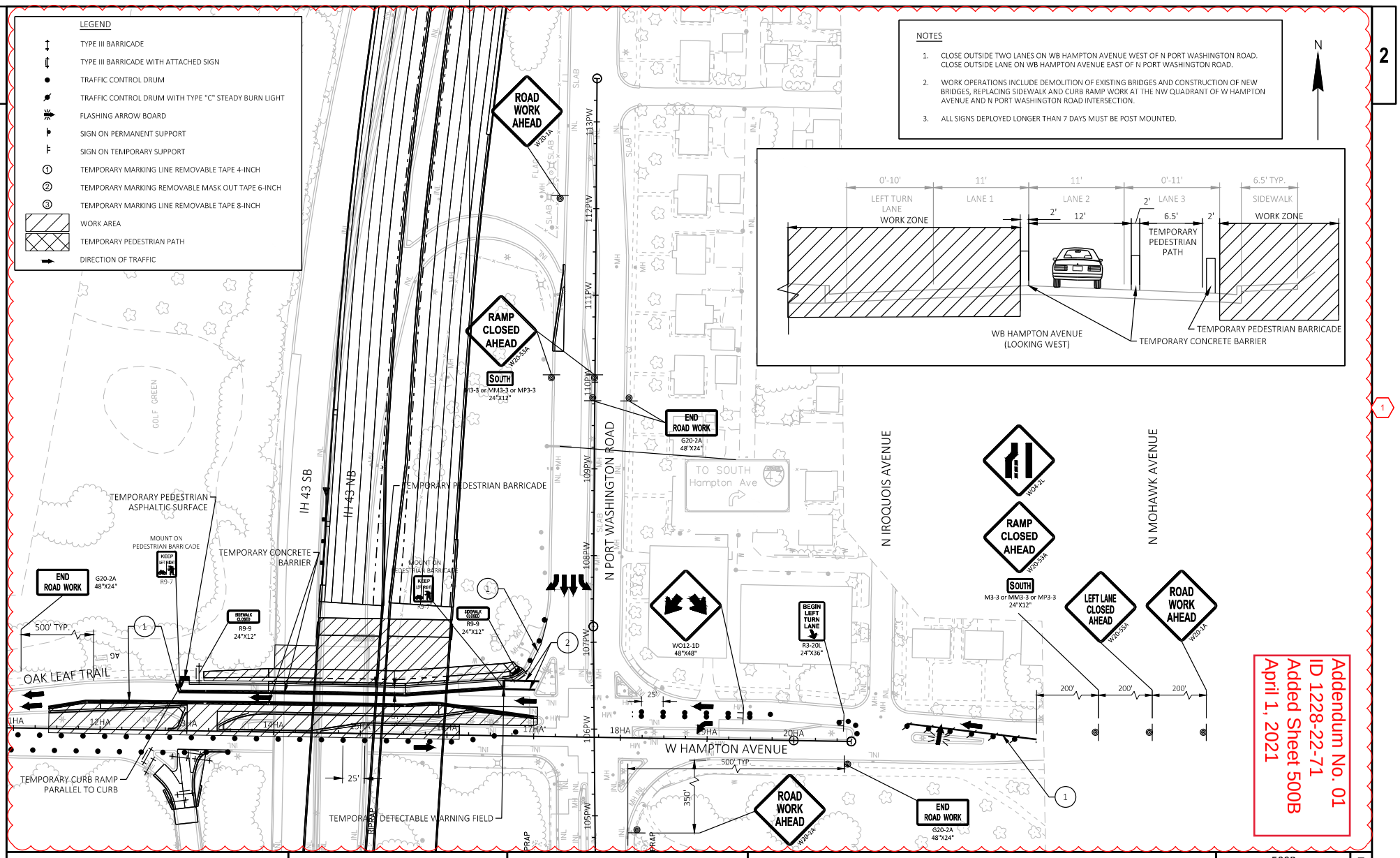
PLOT DATE : 3/31/2021 7:06 PM PLOT BY : JELACIC, JOSEPH C PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42



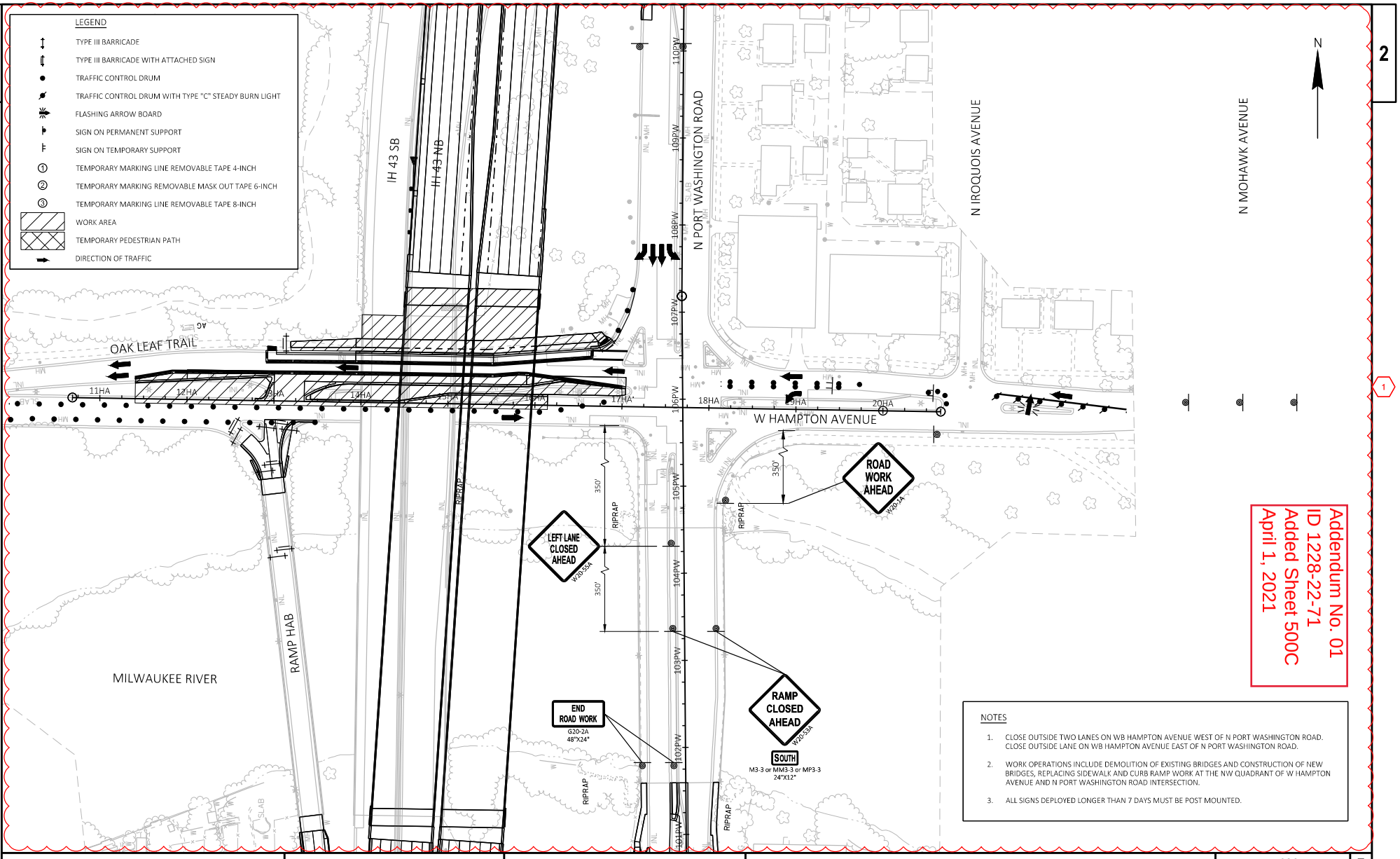
PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL HAMPTON AVENUE WITH PEDESTRIAN ACCOMMODATIONS	SHEET 500A	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\HAMPTON PED WORKSHEET-ST7_PEDESTRIAN ACCOMODATIONS-3ST.DWG
LAYOUT NAME - 026001-st7-01
PLOT DATE : 3/31/2021 11:28 AM PLOT BY : JELACIC, JOSEPH C PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42



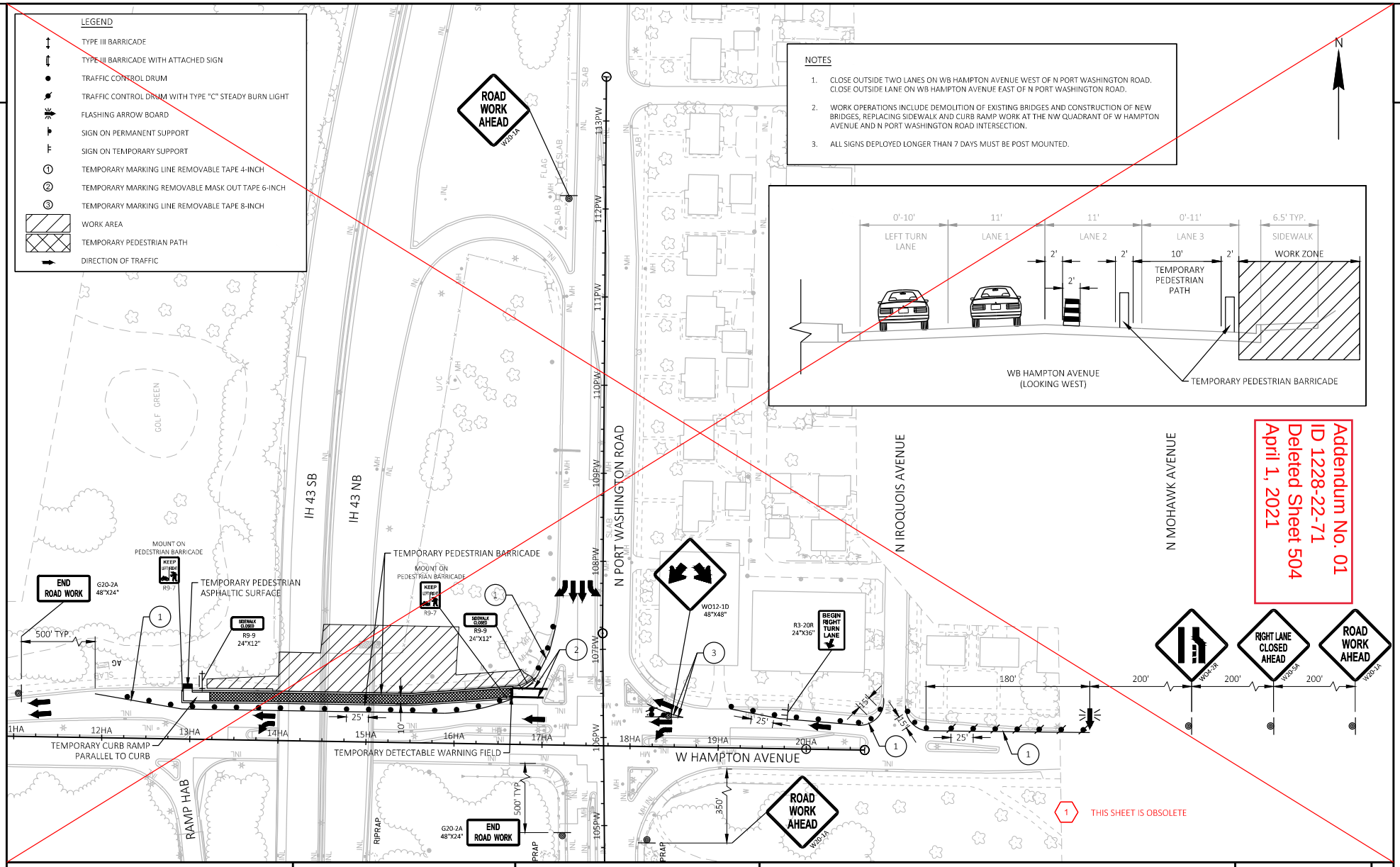
PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL HAMPTON AVENUE WITH PEDESTRIAN ACCOMMODATIONS	SHEET 500B	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\HAMPTON PED WORKSHEET-ST7_PEDESTRIAN ACCOMODATIONS-3ST.DWG
LAYOUT NAME - 026001-st7-02
PLOT DATE : 3/31/2021 11:28 AM PLOT BY : JELACIC, JOSEPH C PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL HAMPTON AVENUE WITH PEDESTRIAN ACCOMMODATIONS	SHEET 500C	E

FILE NAME : N:\PDS\C3D\122822711\SHEETSPLAN\CURRENT PLAN\HAMPTON PED WORKSHEET-ST7_PEDESTRIAN ACCOMODATIONS-3ST.DWG
LAYOUT NAME - 026001-st7-03
PLOT DATE : 3/31/2021 11:29 AM PLOT BY : JELACIC, JOSEPH C PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL PEDESTRIAN ACCOMMODATIONS-HAMPTON AVENUE	SHEET 504	E

FILE NAME : N:\PDS\C3D\12282271\SHEETSPLAN\CURRENT PLAN\026001-ST7_PEDESTRIAN ACCOMODATIONS-3ST.DWG
LAYOUT NAME - 026001-st7-01
PLOT DATE : 3/31/2021 11:44 AM
PLOT BY : JELACIC, JOSEPH C
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

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REMOVING PAVEMENT ITEMS

ROADWAY	STATION	TO	STATION	204.0100 REMOVING CONCRETE PAVEMENT SY	204.0109.S REMOVING CONCRETE SURFACE PARTIAL DEPTH SF
MAINLINE					
IH 43 NB					
	926+40	-	934+50	308	386
	934+50	-	935+81	613	-
	936+91	-	940+00	1740	-
	954+89	-	967+01	6339	-
	968+20	-	977+44	6009	-
	983+15	-	1003+58	12175	-
	1003+58	-	1012+92	673	-
IH 43 SB					
	926+40	-	934+50	371	-
	934+50	-	936+12	801	-
	937+22	-	940+09	1907	-
	954+56	-	966+91	6430	-
	968+11	-	977+41	5731	-
	983+13	-	1003+58	11477	-
	1007+45	-	1012+92	600	-
SUBTOTAL				55174	386
RAMPS					
IH 43 SB OFF RAMP TO N GREEN BAY AVENUE					
	934+47	-	938+59	1234	-
IH 43 NB ON RAMP FROM W FIEBRANTZ AVENUE					
	933+17	-	939+14	2241	-
IH 43 NB OFF RAMP TO N PORT WASHINGTON ROAD					
	973+64	-	976+48	1687	-
IH 43 SB ON RAMP FROM W HAMPTON AVENUE					
	974+59	-	977+37	730	-
	980+98	-	981+89	329	-
IH 43 NB OFF RAMP TO SB N PORT WASHINGTON ROAD					
	986+73	-	988+27	688	-
SUBTOTAL				6909	-

REMOVING PAVEMENT ITEMS (CONTINUED)

ROADWAY	STATION	TO	STATION	204.0100 REMOVING CONCRETE PAVEMENT SY	204.0109.S REMOVING CONCRETE SURFACE PARTIAL DEPTH SF
LOCAL ROADS					
N PORT WASHINGTON ROAD					
	97+86 PW	-	101+59 PW	308	-
W HAMPTON AVENUE					
	10+74 HA	-	17+05 HA	6575	-
SUBTOTAL				6883	-
TOTAL				68966	386

REMOVING ASPHALTIC SURFACE ITEM

ROADWAY	STATION	TO	STATION	OFFSET	204.0110 REMOVING ASPHALTIC SURFACE SY
MAINLINE					
IH 43 NB TEMPORARY					
	15+25	-	25+03	RT	2204
	26+64	-	32+02	RT	2002
	11+52	-	16+20	RT	700
IH 43 SB TEMPORARY					
	10+47	-	14+36	LT	1364
	11+85	-	17+53	LT	1791
	10+00	-	15+69	LT	2093
	18+32	-	22+79	LT	2374
LOCAL ROADS					
W HAMPTON AVENUE					
	13+18 HA	-	15+53 HA	LT	163
W GLENDALE AVENUE	11+79 GD	-	12+92 GD	LT/RT	175
TOTAL					12866

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ID 1228-22-71
Revised Sheet 562
April 1, 2021

*ADDITIONAL QUANTITIES FOUND ELSEWHERE CATEGORY 1000 UNLESS OTHERWISE NOTED

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REMOVING ASPHALTIC SURFACE MILLING ITEM

ROADWAY	STATION	TO	STATION	OFFSET	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY
MAINLINE					
IH 43 NB	926+40	-	934+50	RT	4244
IH 43 SB	926+40	-	934+50	LT	4357
SUBTOTAL					8601
RAMPS					
RAMP GBA2	928+55 GBA2	-	944+36 GBA2	LT	3227
RAMP GBB2	932+03 GBB2	-	940+22 GBB2	RT	1838
RAMP GBC	931+48 GBC	-	932+98 GBC	LT	231
SUBTOTAL					5296
LOCAL ROADS					
W GLENDALE AVENUE	10+76 GD	-	13+64 GD	LT/RT	1175
SUBTOTAL					1175
TOTAL					15072

*ADDITIONAL QUANTITIES FOUND ELSEWHERE CATEGORY 1000 UNLESS OTHERWISE NOTED

REMOVING CURB & GUTTER ITEM

ROADWAY	STATION	TO	STATION	204.0150 REMOVING CURB & GUTTER LF
LOCAL ROADS				
N GREEN BAY AVENUE	35+18 GB	-	37+79 GB	254
N PORT WASHINGTON ROAD	98+16 PW	-	101+59 PW	333
N 7TH STREET	9+47 ST	-	10+45 ST	151
W HAMPTON AVENUE	13+71 HA	-	16+86 HA	205
W GLENDALE AVENUE	11+05 GD	-	13+64 GD	488
TOTAL				1431

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REMOVING SIDEWALK ITEM

ROADWAY	STATION	TO	STATION	OFFSET	204.0155 REMOVING CONCRETE SIDEWALK SY
LOCAL ROADS					
N GREEN BAY AVENUE	35+07 GB	-	38+20 GB	LT/RT	230
N PORT WASHINGTON ROAD	98+62 PW	-	101+59	LT/RT	388
N 7TH STREET	9+41 ST	-	10+50 ST	LT/RT	124
W HAMPTON AVENUE	13+09 HA	-	17+05 HA	LT/RT	325
W GLENDALE AVENUE	11+26 GD	-	13+43 GD	LT/RT	223
TOTAL					1290

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Addendum No. 01
ID 1228-22-71
Revised Sheet 563
April 1, 2021

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PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES	SHEET: 563	E

3

REMOVING FENCE ITEM

ROADWAY	STATION	TO	STATION	OFFSET	204.0170 REMOVING FENCE LF
MAINLINE					
IH 43 NB					
	926+40	-	934+12	RT	1069
	940+46	-	967+54	RT	1759
	968+28	-	977+82	RT	1311
	983+18	-	1000+98	RT	1959
IH 43 SB					
	928+66	-	932+13	LT	447
	939+20	-	966+80	LT	2572
	967+99	-	977+34	LT	425
	983+19	-	1002+21	LT	1907
TOTAL					11449

REMOVING SIGN BRIDGE

ROADWAY	STATION	OFFSET	SPV.0105.4006 S-40-228 LS	SPV.0105.4007 S-40-229 LS
MAINLINE				
IH 43				
	927+80	0'	1	-
	1001+10	0'	-	1
TOTAL			1	1

SAWING ITEMS

ROADWAY	STATION	TO	STATION	690.0150 SAWING ASPHALT LF	* 690.0250 SAWING CONCRETE LF
MAINLINE					
IH 43 NB					
	926+40	-	934+50	-	1263
	1003+58	-	1012+92	-	955
IH 43 SB					
	926+40	-	934+50	-	1030
	1003+58	-	1012+92	-	618
SUBTOTAL				-	3866
LOCAL ROADS					
N GREEN BAY AVENUE					
	34+24 GB	-	38+20 GB	-	557
N PORT WASHINGTON ROAD					
	97+86 PW	-	101+59 PW	-	862
	110+35 PW	-	111+35 PW	-	115
N 7TH STREET					
	9+41 ST	-	10+50 ST	-	241
W GLENDALE AVE					
	10+76 GD	-	13+64 GD	92	513
W HAMPTON AVENUE					
	10+74 HA	-	17+05 HA	8	1331
SUBTOTAL				100	3619
TOTAL				100	7485

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*ADDITIONAL QUANTITIES FOUND ELSEWHERE
CATEGORY 1000 UNLESS OTHERWISE NOTED

3

DRILLED BAR ITEMS

ROADWAY	STATION	TO	STATION	OFFSET	* 416.0610 DRILLED TIE BARS EACH	* 416.0620 DRILLED DOWEL BARS EACH
MAINLINE						
IH 43 NB						
	926+40	-	934+50	RT	491	46
	1003+58	-	1012+92	RT	294	65
IH 43 SB						
	926+40	-	934+50	LT	370	46
	1003+58	-	1012+92	LT	182	69
SUBTOTAL					1336	226
RAMPS						
RAMP GBC						
	932+98 GBC			LT/RT	-	10
RAMP GBD						
	931+22 GBD			LT/RT	-	40
RAMP HAA						
	978+08 HAA			LT/RT	50	-
RAMP HAB						
	981+66 HAB	-	981+91 HAB	LT/RT	20	8
SUBTOTAL					70	58

DRILLED BAR ITEMS (CONTINUED)

ROADWAY	STATION	TO	STATION	OFFSET	* 416.0610 DRILLED TIE BARS EACH	* 416.0620 DRILLED DOWEL BARS EACH
LOCAL ROADS						
N GREEN BAY AVENUE						
	35+18 GB	-	37+86 GB	LT/RT	81	-
N PORT WASHINGTON ROAD						
	97+86 PW	-	101+59 PW	LT/RT	216	16
	110+35 PW	-	111+35 PW	LT	33	8
N 7TH STREET						
	9+47 ST	-	10+45 ST	LT/RT	48	-
W HAMPTON AVENUE						
	10+74 HA	-	17+04 HA	LT	356	70
1 W GLENDALE AVENUE	11+05 GD	-	13+64 GD	LT/RT	162	-
SUBTOTAL					896	94
TOTAL				1	2302	378

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Addendum No. 01
ID 1228-22-71
Revised Sheet 571
April 1, 2021

*ADDITIONAL QUANTITIES FOUND ELSEWHERE
CATEGORY 1000 UNLESS OTHERWISE NOTED

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES	SHEET: 571	E

FILE NAME : N:\PDS\...\030200_mq.pptx PLOT DATE : June 14, 1911 PLOT BY : A.R.H. PLOT NAME : PLOT SCALE : 1:1

ASPHALTIC ITEMS (CONTINUED)

STAGE	ROADWAY	STATION	TO	STATION	455.0605 TACK COAT GAL	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	460.7223 HMA PAVEMENT 3 HT 58-28 S TON	460.7424 HMA PAVEMENT 4 HT 58-28 H TON	460.8424 HMA PAVEMENT 4 SMA 58-28 H TON	465.0105 ASPHALTIC SURFACE TON	* 465.0125 ASPHALTIC SURFACE TEMPORARY TON
ALL	**RAMPS**										
	RAMP GBA2	930+01 GBA2	-	944+33 GBA2	392	-	411	-	320	-	-
	RAMP GBB2	930+83 GBB2	-	940+22 GBB2	221	-	232	-	180	-	-
	RAMP GBC	931+40 GBC	-	932+98 GBC	28	-	30	-	23	-	-
	SUBTOTAL				641	-	673	-	523	-	-
ALL	**LOCAL ROADS**										
	W GLENDALE AVENUE	10+76 GD	-	13+64 GD	82 1	-	-	-	-	132 1	-
	W HAMPTON AVENUE	13+18 HA	-	13+93 HA	-	-	-	-	-	12	-
	N PORT WASHINGTON ROAD	97+85 PW	-	99+78 PW	15	-	-	-	-	24	-
		100+99 PW	-	101+59 PW	6	-	-	-	-	10	-
		110+35 PW	-	111+25 PW	4	-	-	-	-	6	-
	SUBTOTAL				107	-	-	-	-	184	-
	TOTAL				2412 1	1083	1757	144	1366	184 1	5260

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*ADDITIONAL QUANTITIES FOUND ELSEWHERE
CATEGORY 1000 UNLESS OTHERWISE NOTED

CONCRETE SIDEWALK ITEMS

ROADWAY	STATION	TO	STATION	OFFSET	305.0120 * BASE AGGREGATE DENSE 1 1/4-INCH TON	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0415 CONCRETE SIDEWALK 6-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF
RAMPS								
RAMP HAA	975+49 HAA	-	978+13 HAA	LT/RT	35	-	3016	64
RAMP HAB	981+33 HAB	-	981+82 HAB	RT	12	328	-	-
SUBTOTAL					47	328	3016	64
LOCAL ROADS								
N GREEN BAY AVENUE	35+04GB	-	38+20 GB	LT/RT	74	1980	-	136
W HAMPTON AVENUE	13+42 HA	-	17+04 HA	LT	296	7997	-	20
N PORT WASHINGTON ROAD	100+26 PW	-	101+59 PW	LT/RT	25	183	835	36
N 7TH STREET	9+37 ST	-	10+50 ST	LT/RT	45	1202	-	82
1 W GLENDALE AVENUE	11+25 GD	-	13+44 GD	LT/RT	178	7190	-	-
SUBTOTAL					1 618	18552	835	274
TOTAL					665	18880	3851	338

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*ADDITIONAL QUANTITIES FOUND ELSEWHERE
CATEGORY 1000 UNLESS OTHERWISE NOTED

CONCRETE CURB & GUTTER ITEMS (CONTINUED)

ROADWAY	STATION	TO	STATION	OFFSET	601.0322 CONCRETE CURB & GUTTER 22-INCH LF	601.0331 CONCRETE CURB & GUTTER 31-INCH LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0551 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A LF	601.0600 CONCRETE CURB PEDESTRIAN LF	SPV.0090.0001 CONCRETE CURB & GUTTER 4-INCH SLOPED 60-INCH TYPE A LF
LOCAL ROADS										
N GREEN BAY AVENUE										
	35+18 GB	-	37+86 GB	LT/RT	87	129	-	-	145	-
W HAMPTON AVENUE										
	10+74 HA	-	17+04 HA	LT	-	-	1075	-	-	-
N PORT WASHINGTON ROAD										
	97+87 PW	-	101+59 PW	LT/RT	-	-	404	-	35	-
	110+35 PW	-	111+35 PW	LT	-	-	101	-	-	-
N 7TH STREET										
	9+41 ST	-	10+45 ST	LT/RT	82	89	-	-	184	-
1 W GLENDALE AVENUE										
	11+05 GD	-	13+64 GD	LT/RT	-	-	488	-	-	-
SUBTOTAL					169	218	1 2068	-	364	-
TOTAL					169	361	2861	2133	461	3455

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Revised Sheet 577
April 1, 2021

*ADDITIONAL QUANTITIES FOUND ELSEWHERE
CATEGORY 1000 UNLESS OTHERWISE NOTED

FILE NAME : N:\PDS\...\030200_mq.pptx PLOT DATE : June 14, 1911 PLOT BY : A.R.H. PLOT NAME : PLOT SCALE : 1:1

TRAFFIC CONTROL ITEMS

CATEGORY	STAGE	LOCATION	NUMBER OF CLOSURES DAYS	* 643.0300 TRAFFIC CONTROL DRUMS EACH**	DAY	* 643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH**	DAY	* 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH**	DAY	* 643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH**	DAY	* 643.0800 TRAFFIC CONTROL ARROW BOARDS EACH**	DAY	* 643.0900 TRAFFIC CONTROL SIGNS EACH**	DAY
		PROJECT ID 1228-22-71													
1000	1	**MAINLINE**	269												
		IH 43 NB		50	13,450	7	1,883	8	2,152	–	–	2	538	23	6,187
		IH 43 SB		5	1,345	4	1,076	4	1,076	–	--	1	269	16	4,304
		RAMPS													
		GBB2		5	1345	2	538	2	538	5	1345	–	–	4	1,076
		HAB		29	7801	–	–	–	–	5	1345	–	–	1	269
		LOCAL ROADS													
		PORT WASHINGTON ROAD		62	868	2	28	4	56	19	266	2	28	18	252
		SUBTOTAL			24,809		3,525		3,822		2,956		835		12,088
1000	2A	**MAINLINE**	90												
		IH 43 NB		184	16,560	16	1,440	24	2,160	39	3,510	2	180	30	2,700
		IH 43 SB		40	3,600	–	–	–	–	5	450	–	–	7	630
		RAMPS													
		GBD		3	270	2	180	2	180	3	270	–	–	11	990
		GBC		32	2,880	–	–	–	–	8	720	–	–	2	180
		LOCAL ROADS													
		HAMPTON AVENUE	1	–	–	–	–	–	–	–	–	–	–	–	–
		PORT WASHINGTON ROAD		62	868	2	28	4	56	19	266	2	28	18	252
		SUBTOTAL	1		24,178		1,648		2,396		5,216		208		4,752

(CONTINUED ON NEXT SHEET)

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

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ID 1228-22-71
Revised Sheet 591
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TRAFFIC CONTROL ITEMS

CATEGORY	STAGE	LOCATION	NUMBER OF CLOSURES DAYS		* 643.0300 TRAFFIC CONTROL DRUMS		* 643.0420 TRAFFIC CONTROL BARRICADES TYPE III		* 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A		* 643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C		* 643.0800 TRAFFIC CONTROL ARROW BOARDS		* 643.0900 TRAFFIC CONTROL SIGNS	
					EACH**	DAY	EACH**	DAY	EACH**	DAY	EACH**	DAY	EACH**	DAY	EACH**	DAY
1000	2B	**MAINLINE**	70													
		IH 43 NB			62	4,340	7	490	6	420	–	–	3	210	21	1,470
		IH 43 SB			–	–	–	–	–	–	–	–	–	–	3	210
		RAMPS														
		HAB			29	2,030	–	–	–	–	5	350	–	–	1	70
		LOCAL ROADS														
		PORT WASHINGTON ROAD			62	868	2	28	4	56	19	266	2	28	18	252
		SUBTOTAL				7,238		518		476		616		238		2,002
1000	2C1	**MAINLINE**	42													
		IH 43 NB			173	7,266	13	546	22	924	38	1,596	2	84	30	1,260
				1												
		IH 43 SB			209	8,778	13	546	22	924	34	1,428	–	–	35	1,470
		RAMPS														
		GBB2			68	2856	–	–	–	–	–	–	–	–	1	42
		GBD			3	126	2	84	2	84	3	126	–	–	11	462
		HAB			37	1554	–	–	–	–	13	546	–	–	2	84
		LOCAL ROADS														
		HAMPTON AVENUE		1	–	–	–	–	–	–	–	–	–	–	–	–
		PORT WASHINGTON ROAD			62	868	2	28	4	56	19	266	2	28	18	252
		SUBTOTAL		1		21,448		1,204		1,988		3,962		112		3,570

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*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC CONTROL ITEMS

CATEGORY	STAGE	LOCATION	NUMBER OF CLOSURES / DAYS	* 643.0300 TRAFFIC CONTROL DRUMS EACH**	DAY	* 643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH**	DAY	* 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH**	DAY	* 643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH**	DAY	* 643.0800 TRAFFIC CONTROL ARROW BOARDS EACH**	DAY	* 643.0900 TRAFFIC CONTROL SIGNS EACH**	DAY
1000	2C2	**MAINLINE**	10												
		IH 43 NB	1	174	1,740	13	130	22	220	39	390	1	10	26	260
		IH 43 SB		198	1,980	18	180	28	280	35	350	–	–	39	390
		RAMPS													
		GBA2	1	–	–	–	–	–	–	–	–	–	–	–	–
		GBB2		5	50	2	20	2	20	5	50	–	–	4	40
		GBD		3	30	2	20	2	20	3	30	–	–	11	110
		LOCAL ROADS													
		HAMPTON AVENUE	1	–	–	–	–	–	–	–	–	–	--	–	–
		PORT WASHINGTON ROAD		62	620	2	20	4	40	19	190	2	20	18	180
		SUBTOTAL	1		4,420		370		580		1,010		30		980
1000	2D	**MAINLINE**	134												
		IH 43 NB	1	149	19,966	15	2,010	24	3,216	25	3,350	1	134	35	4,690
		IH 43 SB		165	22,110	21	2,814	32	4,288	33	4,422	–	–	45	6,030
		RAMPS													
		GBA2		–	–	–	–	–	–	–	–	–	--	1	134
		GBD		3	402	2	268	2	268	3	402	–	–	10	1,340
		LOCAL ROADS													
		HAMPTON AVENUE	1	–	–	–	–	–	–	–	–	–	--	–	–
		PORT WASHINGTON ROAD		20	280	6	84	6	84	5	70	–	--	12	168
		SUBTOTAL	1		42,758		5,176		7,856		8,244		134		12,362

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*ADDITIONAL QUANTITIES FOUND ELSEWHERE

Addendum No. 01
ID 1228-22-71
Revised Sheet 593
April 1, 2021

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES	SHEET: 593	E

TRAFFIC CONTROL ITEMS

CATEGORY	STAGE	LOCATION	NUMBER OF CLOSURES DAYS	* 643.0300 TRAFFIC CONTROL DRUMS EACH**	643.0300 DAY	* 643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH**	643.0420 DAY	* 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH**	643.0705 DAY	* 643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH**	643.0715 DAY	* 643.0800 TRAFFIC CONTROL ARROW BOARDS EACH**	643.0800 DAY	* 643.0900 TRAFFIC CONTROL SIGNS EACH**	643.0900 DAY
1000	3A	**MAINLINE**	60												
		IH 43 NB	1	147	8,820	13	780	22	1,320	25	1,500	1	60	34	2,040
		IH 43 SB		180	10,800	20	1,200	30	1,800	33	1,980	–	–	43	2,580
		RAMPS													
		GBA2		–	–	--	--	–	--	–	–	–	–	1	60
		GBD		3	180	2	120	2	120	3	180	–	–	9	540
		LOCAL ROADS													
		HAMPTON AVENUE	1	–	–	--	--	–	--	–	–	–	–	–	–
		PORT WASHINGTON ROAD		62	868	2	28	4	56	19	266	2	28	18	252
		SUBTOTAL	1		20,668		2,128		3,296		3,926		88		5,472
1000	3B	**MAINLINE**	18												
		IH 43 NB	1	182	3,276	14	252	24	432	25	450	1	18	32	576
		IH 43 SB		290	5,220	19	342	24	432	41	738	–	–	33	594
		RAMPS													
		GBA2		–	–	--	--	–	--	–	–	–	–	3	54
		GBB2		–	–	--	--	–	--	–	–	–	–	1	18
		GBD		3	54	2	36	2	36	3	54	–	–	12	216
		LOCAL ROADS													
		HAMPTON AVENUE	1	–	–	--	--	–	--	–	–	–	–	–	–
		PORT WASHINGTON ROAD		62	868	2	28	4	56	19	256	2	28	18	252
		SUBTOTAL	1		9,418		658		956		1,498		46		1,710

(CONTINUED ON NEXT SHEET)

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

Addendum No. 01
ID 1228-22-71
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April 1, 2021

TRAFFIC CONTROL ITEMS

CATEGORY	STAGE	LOCATION	NUMBER OF CLOSURES DAYS	* 643.0300 TRAFFIC CONTROL DRUMS EACH**	DAY	* 643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH**	DAY	* 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH**	DAY	* 643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH**	DAY	* 643.0800 TRAFFIC CONTROL ARROW BOARDS EACH**	DAY	* 643.0900 TRAFFIC CONTROL SIGNS EACH**	DAY
1000	3C	**MAINLINE**	10												
		IH 43 NB		11	110	–	–	–	–	–	–	1	10	4	40
		SUBTOTAL			110		–		–		–		10		40
1000	4	**MAINLINE**	175												
		IH 43 NB		249	43,575	12	2,100	22	3,850	47	8,225	1	175	29	5,075
		IH 43 SB	1	140	24,500	12	2,100	18	3,150	34	5,950	–	–	34	5,950
		RAMPS													
		GBA2		19	3325	–	–	–	–	9	1575	–	–	3	525
		GBD		3	525	2	350	2	350	3	525	–	–	9	1,575
		LOCAL ROADS													
		HAMPTON AVENUE	1	104	18,200	14	2,450	14	2,450	18	3,150	2	350	35	6,125
		PORT WASHINGTON ROAD		27	4,725	1	175	2	350	9	1,575	1	175	11	1,925
		SUBTOTAL	1		94,850		7,175		10,150		21,000		700		21,175
1000	5	**MAINLINE**	16												
		IH 43 NB		193	3088	14	224	28	448	28	448	2	32	25	400
		IH 43 SB	1	159	2544	13	208	24	384	21	336	–	–	28	448
		RAMPS													
		HAA		–	–	–	–	–	–	–	–	–	–	2	32
		HAB		–	–	–	–	–	–	–	–	–	–	3	48
		LOCAL ROADS													
		GLENDALE AVE		6	96	13	208	26	416	–	–	–	–	10	160
		N GREEN BAY AVE		–	–	4	64	8	128	–	–	–	–	4	64
		SUBTOTAL	1		5,728		704		1,376		784		32		1,152
		DETOUR			–	–	–	–	–	–	–	–	–	443	173,310
		UNDISTRIBUTED	1		76,690	–	6,935	–	9,870	–	14,765	–	730	–	71,585
		PROJECT ID 1228-22-71 TOTAL			332,315		30,041		42,766		63,977		3,163		310,198

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ID 1228-22-71
Revised Sheet 595
April 1, 2021

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES	SHEET: 595	E

FILE NAME : N:\PDS\...\030200_mq.pptx PLOT DATE : June 14, 1911 PLOT BY : A.R.H. PLOT NAME : PLOT SCALE : 1:1

TRAFFIC CONTROL ITEMS (CONTINUED)

CATEGORY	STAGE	LOCATION	NUMBER OF CLOSURES DAYS	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I # SIGNS	# CYCLES	EACH	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II # SIGNS	# CYCLES	EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS EACH**	DAY	REMARKS
		PROJECT ID 1228-22-71										
1000	1	**MAINLINE**	269									
		IH 43 NB		3	133	399	3	133	399	--	--	
		IH 43 SB		--	--	--	--	--	--	--	--	
		RAMPS										
		GBB2		--	--	--	--	--	--	--	--	
		HAB		--	--	--	--	--	--	--	--	
		LOCAL ROADS										
		PORT WASHINGTON ROAD		--	--	--	--	--	--	--	--	
		SUBTOTAL				399			399		--	
1000	2A	**MAINLINE**	90									
		IH 43 NB		2	1	2	1	6	1	6	4	360
		IH 43 SB		--	--	--	--	--	--	--	--	
		RAMPS										
		GBD		--	--	--	--	--	--	--	--	
		GBC		--	--	--	--	--	--	--	--	
		LOCAL ROADS										
		HAMPTON AVENUE		--	--	--	--	--	--	--	--	
		PORT WASHINGTON ROAD		--	--	--	--	--	--	--	--	
		SUBTOTAL				2		1	6		360	

SEE SDD 15D12-C FOR MORE INFORMATION ON PCMS MESSAGE AND PLACEMENT

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(CONTINUED ON NEXT SHEET)

TRAFFIC CONTROL ITEMS (CONTINUED)

CATEGORY	STAGE	LOCATION	NUMBER OF CLOSURES DAYS	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I # SIGNS	# CYCLES	EACH	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II # SIGNS	# CYCLES	EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS EACH**	DAY	REMARKS
1000	2B	**MAINLINE**	70									
		IH 43 NB		2	1	2	2	1	2	–	–	
		IH 43 SB		–	–	–	--	–	–	–	–	
		RAMPS										
		HAB		–	–	–	--	–	–	–	–	
		LOCAL ROADS										
		PORT WASHINGTON ROAD		–	–	–	--	–	–	–	–	
		SUBTOTAL				2			2		–	
1000	2C1	**MAINLINE**	42									
		IH 43 NB		2	1	2	1 6	1	6	4	168	SEE SDD 15D12-C FOR MORE INFORMATION ON PCMS MESSAGE AND PLACEMENT
		IH 43 SB		2	1	2	2	1	2	–	–	
		RAMPS										
		GBB2		–	–	–	--	–	–	–	–	
		GBD		–	–	–	--	–	–	–	–	
		HAB		–	–	–	--	–	–	–	–	
		LOCAL ROADS										
		HAMPTON AVENUE		–	–	–	--	–	–	–	–	
		PORT WASHINGTON ROAD		–	–	–	--	–	–	–	–	
		SUBTOTAL				4		1	8		168	

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(CONTINUED ON NEXT SHEET)

TRAFFIC CONTROL ITEMS (CONTINUED)

CATEGORY	STAGE	LOCATION	NUMBER OF CLOSURES DAYS	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I # SIGNS	# CYCLES	EACH	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II # SIGNS	# CYCLES	EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS EACH**	DAY	REMARKS
1000	2C2	**MAINLINE**	10									
		IH 43 NB		2	1	2	1	6	1	6	4	40	SEE SDD 15D12-C FOR MORE INFORMATION ON PCMS MESSAGE AND PLACEMENT
		IH 43 SB		2	1	2	2	1	2	–	–	
		RAMPS										
		GBA2		–	–	--	–	--	–	–	–	
		GBB2		–	–	--	–	--	–	–	–	
		GBD		–	–	--	–	--	–	–	–	
		LOCAL ROADS										
		HAMPTON AVENUE		–	–	--	–	--	–	–	–	
		PORT WASHINGTON ROAD		–	–	--	–	--	–	–	–	
		SUBTOTAL				4			1 8		40	
1000	2D	**MAINLINE**	134									
		IH 43 NB		2	1	2	1	6	1	6	4	536	SEE SDD 15D12-C FOR MORE INFORMATION ON PCMS MESSAGE AND PLACEMENT
		IH 43 SB		2	1	2	2	1	2	–	–	
		RAMPS										
		GBA2		–	–	--	–	--	–	–	–	
		GBD		–	–	--	–	--	–	–	–	
		LOCAL ROADS										
		HAMPTON AVENUE		–	–	--	–	--	–	–	–	
		PORT WASHINGTON ROAD		–	–	--	–	--	–	–	–	
		SUBTOTAL				4			1 8		536	

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(CONTINUED ON NEXT SHEET)

TRAFFIC CONTROL ITEMS (CONTINUED)

CATEGORY	STAGE	LOCATION	NUMBER OF CLOSURES DAYS	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I # SIGNS	# CYCLES	EACH	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II # SIGNS	# CYCLES	EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS EACH**	DAY	REMARKS
1000	3A	**MAINLINE**	60									
		IH 43 NB		2	1	2	1 6	1	6	4	240	SEE SDD 15D12-C FOR MORE INFORMATION ON PCMS MESSAGE AND PLACEMENT
		IH 43 SB		2	1	2	2	1	2	–	–	
		RAMPS										
		GBA2		–	–	--	–	--	–	–	–	
		GBD		–	–	--	–	--	–	–	–	
		LOCAL ROADS										
		HAMPTON AVENUE		–	–	--	–	--	–	–	–	
		PORT WASHINGTON ROAD		–	–	--	–	--	–	–	–	
		SUBTOTAL				4		1	8		240	
1000	3B	**MAINLINE**	18									
		IH 43 NB		2	1	2	1 6	1	6	4	72	SEE SDD 15D12-C FOR MORE INFORMATION ON PCMS MESSAGE AND PLACEMENT
		IH 43 SB		2	1	2	2	1	2	–	–	
		RAMPS										
		GBA2		–	–	--	–	--	–	–	–	
		GBB2		–	–	--	–	--	–	–	–	
		GBD		–	–	--	–	--	–	–	–	
		LOCAL ROADS										
		HAMPTON AVENUE		–	–	--	–	--	–	–	–	
		PORT WASHINGTON ROAD		–	–	--	–	--	–	–	–	
		SUBTOTAL				4		1	8		72	

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(CONTINUED ON NEXT SHEET)

TRAFFIC CONTROL ITEMS (CONTINUED)

CATEGORY	STAGE	LOCATION	NUMBER OF CLOSURES DAYS	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I # SIGNS	# CYCLES	EACH	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II # SIGNS	# CYCLES	EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS EACH**	DAY	REMARKS
1000	3C	**MAINLINE**	10									
		IH 43 NB		2	1	2	2	1	2	–	–	
		SUBTOTAL				2			2		–	
1000	4	**MAINLINE**	175									
		IH 43 NB		2	1	2	6	1	6	4	700	SEE SDD 15D12-C FOR MORE INFORMATION ON PCMS MESSAGE AND PLACEMENT
		IH 43 SB		2	1	2	2	1	2	–	–	
		RAMPS										
		GBA2		–	–	–	–	–	–	–	–	
		GBD		–	–	–	–	–	–	–	–	
		LOCAL ROADS										
		HAMPTON AVENUE		–	–	–	–	–	–	–	–	
		PORT WASHINGTON ROAD		–	–	–	–	–	–	–	–	
		SUBTOTAL				4		1	8		700	
1000	5	**MAINLINE**	16									
		IH 43 NB		–	–	–	4	1	4	4	64	SEE SDD 15D12-C FOR MORE INFORMATION ON PCMS MESSAGE AND PLACEMENT
		IH 43 SB		–	–	–	–	–	–	–	–	
		RAMPS										
		HAA		–	–	–	–	–	–	–	–	
		HAB		–	–	–	–	–	–	–	–	
		LOCAL ROADS										
		GLENDALE AVE		–	–	–	–	–	–	–	–	
		N GREEN BAY AVE		–	–	–	–	–	–	–	–	
		SUBTOTAL				–		1	4		64	
		DETOUR		–	–	–	–	–	–	–	–	
		UNDISTRIBUTED		10	8	80	20	8	160	–	655	
		PROJECT ID 1228-22-71 TOTAL				509			621		2,835	

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Revised Sheet 600
April 1, 2021

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES	SHEET: 600	E

FILE NAME : N:\PDS\...\030200_mq.pptx PLOT DATE : June 14, 1911 PLOT BY : A.R.H. PLOT NAME : PLOT SCALE : 1:1

TEMPORARY PEDESTRIAN ACCOMMODATIONS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	NUMBER OF CLOSURES DAYS	* 643.0300 TRAFFIC CONTROL DRUMS EACH**	643.0300 DAY	* 643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH**	643.0420 DAY	* 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH**	643.0705 DAY	* 643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH**	643.0715 DAY	* 643.0800 TRAFFIC CONTROL ARROW BOARDS EACH**	643.0800 DAY	* 643.0900 TRAFFIC CONTROL SIGNS EACH**	643.0900 DAY	644.1601 TEMPORARY PEDESTRIAN CURB RAMP EACH**	644.1601 DAY	SPV.0045.0001 TEMPORARY DETECTABLE WARNING FIELD EACH**	SPV.0045.0001 DAY
1000	1, 2A, 2B, 2C1, 2C2, 2D, 3A, 3B	**LOCAL ROADS**																				
1		W HAMPTON AVENUE	11+00HA	-	HA	1 542	85	46070	11	5962	22	11924	18	9756	1	542	37	20054	1	542	1	542
	1, 2D, 4	W GLENDALE AVENUE SOUTH SIDE	GD	-	GD	175	-	-	3	525	6	1050	-	-	-	-	11	1925	2	350	-	-
	1, 2D, 4	W GLENDALE AVENUE NORTH SIDE	GD	-	GD	175	-	-	3	525	6	1050	-	-	-	-	11	1925	2	350	-	-
		DETOURS																				
		OAK LEAF TRAIL	-	-	-	225	-	-	29	6525	58	13050	-	-	-	-	51	11475	-	-	-	-
		GLENDALE AVE	-	-	-	79	-	-	26	2054	52	4108	-	-	-	-	41	3239	-	-	-	-
		TOTAL				1		46070		15591		31182		9756		542		38618		1242		542

TEMPORARY PEDESTRIAN ACCOMMODATIONS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	OFFSET	* 603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	* 603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF
1000	1, 2A, 2B, 2C1, 2C2, 2D, 3A, 3B	**LOCAL ROADS**							
1		W HAMPTON AVENUE	12+90HA	-	16+66HA	LT	1 949	949	366
	1, 2D, 4	W GLENDALE AVENUE SOUTH SIDE	10+61GD	-	14+20GD	RT	361	1082	-
	1, 2D, 4	W GLENDALE AVENUE NORTH SIDE	11+17GD	-	14+00GD	LT	-	852	-
		TOTAL					1 1310	2883	366

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*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TEMPORARY PEDESTRIAN ACCOMMODATIONS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH LF	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH LF	649.0960 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH LF
1000	1, 2A, 2B, 2C1, 2C2, 2D, 3A, 3B	**LOCAL ROADS**						
1		W HAMPTON AVENUE	11+92HA	-	HA	1 938	260	224
	1, 2D, 4	W GLENDALE AVENUE SOUTH SIDE	GD	-	14+89GD	3135	-	-
	1, 2D, 4	W GLENDALE AVENUE NORTH SIDE	GD	-	14+96GD	3026	-	-
		TOTAL				1 7099	260	224

TEMPORARY PEDESTRIAN ACCOMMODATIONS

CATEGORY	STAGE	ROADWAY	* 465.0125 ASPHALTIC SURFACE TEMPORARY TON
1000	1, 2A, 2B, 2C1, 2C2, 2D, 3A, 3B	**LOCAL ROADS**	
1		W HAMPTON AVENUE	1
	1, 2D, 4	W GLENDALE AVENUE SOUTH SIDE	1
	1, 2D, 4	W GLENDALE AVENUE NORTH SIDE	2
		TOTAL	4

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TEMPORARY PAVEMENT MARKING ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	649.0120 TEMPORARY MARKING LINE EPOXY 4-INCH 12.5 FT LINE 37.5 FT SKIP WHITE LF	649.0120 TEMPORARY MARKING LINE EPOXY 4-INCH WHITE LF	649.0120 TEMPORARY MARKING LINE EPOXY 4-INCH YELLOW LF	649.0220 TEMPORARY MARKING LINE EPOXY 8-INCH 3FT LINE 9 FT SKIP WHITE LF	649.0220 TEMPORARY MARKING LINE EPOXY 8-INCH WHITE LF	649.0760 TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I WHITE EACH	646.9010 MARKING REMOVAL LINE WATER BLASTING 4-INCH LF	646.9300 MARKING REMOVAL SPECIAL MARKING EACH	649.0520 TEMPORARY MARKING ARROW EPOXY EACH	REMARKS
1000		**PROJECT ID 1228-22-71**													
	1	IH 43 NB	952+23	-	990+04	1,901	3,807	3,797	–	–	52	9,505	–	–	RAISED MARKERS FOR SHIFTING TAPERS
		IH 43 SB	949+96	-	975+15	1,256	2,393	2,519	–	530	53	6,168	–	–	RAISED MARKERS FOR SHIFTING TAPERS
		SUBTOTAL				3,157	6,200	6,316	–	530	105	15,673	–	–	
	2A	IH 43 NB	941+32	-	IH 43	3,591	9,006	14,641	–	–	80	3,565	2	–	RAISED MARKERS FOR SHIFTING TAPERS
		SUBTOTAL				3,591	9,006	14,641	–	–	80	3,565	2	–	
	2B	IH 43 NB	937+00	-	IH 43	4,139	8,649	7,580	–	1,068	–	27,238	–	2	TYPE 5 ARROW, REMOVE IN STAGE 2C1
		SUBTOTAL				4,139	8,649	7,580	–	1,068	–	27,238	–	2	
	2C1	IH 43 NB	921+67	-	IH 43	2,123	8,934	13,802	–	–	80	16,700	–	–	RAISED MARKERS FOR SHIFTING TAPERS
		IH 43 SB	921+67	-	IH 43	3,086	12,203	15,716	–	1,588	20	-	–	–	RAISED MARKERS FOR SHIFTING TAPERS
		SUBTOTAL				5,209	21,137	29,518	–	1,588	100	16,700			
	2C2	IH 43 SB	921+67	-	1016+87	2,831	13,018	10,526	–	2,698	30	24,655	–	–	RAISED MARKERS FOR SHIFTING TAPERS
		SUBTOTAL				2,831	13,018	10,526	–	2,698	30	24,655	–	–	
	2D	IH 43 NB	920+50	-	1015+61	1,611	5,998	5,575	–	636	20	13,184	–	–	RAISED MARKERS FOR SHIFTING TAPERS
		IH 43 SB	920+50	-	1015+61	2,627	9,227	9,455	–	608	60	13,509	–	–	RAISED MARKERS FOR SHIFTING TAPERS
		SUBTOTAL				4,238	15,225	15,030	–	1,244	80	26,693	–	–	
	3A	IH 43 SB	926+40	-	680+00	1,376	4,681	5,384	–	1,261	–	11,441	–	–	
		SUBTOTAL				1,376	4,681	5,384	–	1,261	–	11,441	–	–	
	3B	IH 43 SB	926+38	-	1016+50	3,009	8,181	9,294	–	267	40	20,484	–	–	RAISED MARKERS FOR SHIFTING TAPERS
		SUBTOTAL				3,009	8,181	9,294	–	267	40	20,484	–	–	
	3C	IH 43 NB	925+00	-	IH 43	5,264	10,199	10,194	–	425	–	33,895	–	2	TYPE 5 ARROW, REMOVE IN STAGE 5
		IH 43 SB	925+00	-	IH 43	5,847	11,584	10,071	–	2,976	–	33,852	–	–	
		SUBTOTAL				11,111	21,783	20,265	–	3,401	–	67,747	–	2	
	4	IH 43 NB	920+50	-	IH 43	2,636	14,729	9,941	129	1,408	60	7,000	–	–	RAISED MARKERS FOR SHIFTING TAPERS
		IH 43 SB	920+50	-	IH 43	3,133	10,808	15,735	–	2,445	30	23,326	–	–	RAISED MARKERS FOR SHIFTING TAPERS
		SUBTOTAL				5,769	25,537	25,676	129	3,853	90	30,326	–	–	
	5	IH 43 NB	925+00	-	IH 43	2,745	11,268	16,271	–	–	–	29,208	–	–	
		IH 43 SB	925+00	-	1016+87	3,810	7,920	9,609	–	4,366	–	21,339	–	–	
		SUBTOTAL				6,555	19,188	25,880	–	4,366	–	50,547	–	–	
		UNDISTRIBUTED				2,549	7,630	8,506	10	1,001	500	14,753	–	–	RAISED MARKERS FOR SHIFTING TAPERS
		PROJECT 1228-22-71 TOTAL					392,385			21,416	1,025	309,822	2	4	

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PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES	SHEET: 604	E

FILE NAME : N:\PDS\...\030200_mq.pptx PLOT DATE : June 14, 1911 PLOT BY : A.R.H. PLOT NAME : PLOT SCALE : 1:1

RECONSTRUCTING STRUCTURES

STAGE	LOCATION	STRUCTURE ID	STATION	OFFSET FT	EXISTING RIM ELEVATION	TO	PROPOSED RIM ELEVATION	611.0420 RECONSTRUCTING MANHOLES EACH (1)	611.0430 RECONSTRUCTING INLETS EACH
2	**IH 43**								
		231	944+00	82' LT	698.98		700.02	---	1
		235	946+50	82' LT	693.46		694.50	---	1
		239	949+00	82' LT	686.14		687.18	---	1
		243	951+50	82' LT	677.84		678.88	---	1
		247	954+00	82' LT	668.93		669.97	---	1
		305	956+40	82' LT	663.15		664.19	---	1
		307	956+50	82' LT	663.00		664.04	---	1
	SUBTOTALS							---	7
4	**IH 43**								
		327	954+25	82' RT	663.70		666.54	1	---
		329	954+36	93' RT	661.09		665.18	1	---
		331	954+51	94' RT	660.60		661.45	1	---
	SUBTOTALS							3	---
	TOTALS							3	7

* VERIFY EXISTING RIM ELEVATION IN FIELD

APRON ENDWALLS AND PIPE GRATES

STAGE	ROADWAY	PIPE ID	ENDWALL ID	ENDWALL ELEVATION	ENDWALL STATION	ENDWALL OFFSET	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	522.1048 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 48-INCH EACH	611.9800.S PIPE GRATES EACH	633.5200 MARKERS CULVERT END EACH
1	**IH 43**											
		P196	195	677.01	948+00	113' LT	--	1	--	--	1	1
		P222	221	666.37	951+00	107' LT	--	1	--	--	1	1
		PT295A	T295B	651.53	959+00	121' LT	1	--	--	--	--	1
		PT331E	T331F	646.00	962+01	151' RT	--	--	1	--	--	1
		P458	459	629.32	977+43	138' RT	--	--	1	--	--	1
		P906	907	615.70	1004+32	120' LT	--	--	--	1	--	1
	SUBTOTALS						1	2	2	1	2	6
2	**IH 43**											
		P334	335	648.23	955+36	118' RT	--	--	1	--	--	1
	SUBTOTALS						--	--	1	--	--	1
4	**IH 43**											
		P496	497	624.93	977+27	163' RT	--	1	--	--	--	1
	SUBTOTALS						--	1	--	--	--	1
	TOTALS						1	3	3	1	2	8

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STORM SEWER STRUCTURES												STORM SEWER PIPES													
ROADWAY	STRUCTURE NO.	STRUCTURE STAGE	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH [1] (FT)	BACKFILL SLURRY CY	STRUCTURE COMMENTS	PIPE ID	PIPE STAGE	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE [A] %	PIPE LENGTH [B] (FT)	PLAN LENGTH [C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	BACKFILL SLURRY CY	PIPE COMMENTS	TOTAL BACKFILL SLURRY CY
IH 43	295	1	959+00.19	85.3	LT	662.27	---	---	10.38	---	SEE PROPOSED DRAINAGE TABLE	PT295A	1	295	T295B	651.89	651.53	1.00	36	38	III	18	8	TO ENDWALL	8
IH 43	327	1	954+25.00	81.8	RT	663.70	---	---	15.15	---	SEE PROPOSED DRAINAGE TABLE	P328	1	327	329	---	---	---	---	---	---	48	---	SEE PROPOSED DRAINAGE TABLE	---
IH 43	329	1	954+36.21	92.6	RT	661.09	---	---	12.57	---	SEE PROPOSED DRAINAGE TABLE	P330	1	329	331	---	---	---	---	---	---	48	---	SEE PROPOSED DRAINAGE TABLE	---
IH 43	331	1	954+51.24	94.2	RT	660.60	---	---	12.09	---	SEE PROPOSED DRAINAGE TABLE	PT331A	1	331	T331B	648.51	648.13	0.30	128	133	III	30	69	--- (1)	69
IH 43	T331B	1	955+26.26	204.6	RT	660.92	MANHOLES 5-FT DIAMETER	J-SPECIAL	12.79	17	---	PT331C	1	T331B	T331D	648.13	646.38	0.30	585	590	III	30	317	---	334
IH 43	T331D	1	961+00.16	169.5	RT	651.16	MANHOLES 5-FT DIAMETER	J-SPECIAL	4.78	17	---	PT331E	1	T331D	T331F	646.38	646.02	0.35	101	104	III	30	55	TO ENDWALL	72

STORM SEWER STRUCTURE SUMMARY	
611.2005 MANHOLES 5-FT DIAMETER EACH	611.0535 MANHOLE COVERS TYPE J SPECIAL EACH
2 *	2 *

STORM SEWER PIPE SUMMARY	
608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF
38 *	827 *

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* ADDITIONAL QUANTITIES FOUND ELSEWHERE

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

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STORM SEWER STRUCTURES												STORM SEWER PIPES														
ROADWAY	STRUCTURE NO.	STRUCTURE STAGE	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH [1] (FT)	BACKFILL SLURRY CY	STRUCTURE COMMENTS	PIPE ID	PIPE STAGE	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE [A] %	PIPE LENGTH [B] (FT)	PLAN LENGTH [C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	BACKFILL SLURRY CY	PIPE COMMENTS	TOTAL BACKFILL SLURRY CY
IH 43	123	1	937+68.71	50.0	LT	699.36	INLETS 4-FT DIAMETER	V	6.77	10	---	P124	1	123	125	692.59	692.39	0.50	40	44	III	18	9	---	19
IH 43	125	1	937+67.66	2.0	LT	699.07	INLETS 4-FT DIAMETER	V	6.68	10	---	P126	1	125	127	692.39	692.37	0.50	4	8	III	18	1	---	11
IH 43	127	1	937+67.68	2.0	RT	699.07	INLETS 4-FT DIAMETER	V	6.70	10	---	P128	1	127	129	692.37	692.00	0.76	49	53	III	18	11	---	21
IH 43	129	1	937+39.05	50.0	RT	698.02	INLETS 4-FT DIAMETER	V	6.02	10	---	P130	1	129	133	692.00	689.18	6.43	44	49	III	18	10	---	20
RAMP GBD	131	4	938+82.28	8.0	RT	695.28	INLETS 4-FT DIAMETER	HM	5.60	9	---	P132	4	131	133	689.68	688.99	0.50	138	143	III	15	25	---	34
RAMP GBD	133	4	937+47.61	33.7	LT	694.04	MANHOLES 6-FT DIAMETER	J-SPECIAL	5.80	14	---	P134	4	133	137	688.24	682.28	5.76	103	108	III	18	24	---	38
RAMP GBD	137	4	936+48.77	8.0	RT	689.32	INLETS 4-FT DIAMETER	HM	7.04	10	---	P138	4	137	139	682.28	675.65	3.53	240	244	IV	18	57	---	67
RAMP GBD	139	4	934+01.01	8.0	RT	680.89	INLETS 4-FT DIAMETER	HM	5.24	10	---	P140	4	139	PE141	675.65	675.05	3.50	21	25	IV	18	5	---	15
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RAMP GBD	145	1	934+51.74	81.7	LT	674.12	INLETS 4-FT DIAMETER	C	6.32	9	---	PE146	---	145	---	667.80	---	---	---	---	---	15	---	EXIST PIPE INTERPOL ELEV	9
RAMP GBD	161	4	931+59.35	8.0	RT	675.90	INLETS 4-FT DIAMETER	HM-S	6.11	9	---	P162	4	161	162A	669.79	669.69	0.50	20	24	III	15	4	---	13
RAMP GBD	162A	4	931+51.34	19.0	LT	676.37	INLETS 4-FT DIAMETER	HM-S	6.68	9	---	P162B	4	162A	E163	669.69	669.45	0.50	49	54	III	15	9	---	18
RAMP GBD	E163	---	930+98.47	11.1	LT	676.34	---	---	---	---	---	---	---	---	---	--	---	---	---	---	---	---	---	---	---
RAMP GBD	E165	---	931+13.66	45.7	LT	676.00	---	---	---	---	---	---	---	---	---	--	---	---	---	---	---	---	---	---	---
IH 43	181	4	941+50.00	83.3	RT	694.79	INLETS 2x2.5-FT	V	6.70	7	---	P182	2 & 4	181	183	688.09	687.69	0.50	79	82	III	18	19	---	26

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[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES												STORM SEWER PIPES													
ROADWAY	STRUCTURE NO.	STRUCTURE STAGE	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH [1] (FT)	BACKFILL SLURRY CY	STRUCTURE COMMENTS	PIPE ID	PIPE STAGE	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE [A] %	PIPE LENGTH [B] (FT)	PLAN LENGTH [C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	BACKFILL SLURRY CY	PIPE COMMENTS	TOTAL BACKFILL SLURRY CY	
IH 43	183A	2	941+42.68	2.0	LT	699.03	INLETS 4-FT DIAMETER	V	6.59	10	---	P183B	2	183A	183	692.44	692.40	1.00	4	8	III	18	1	---	11	1
IH 43	183	2	941+49.95	0.2	RT	698.95	MANHOLES 5-FT DIAMETER	B	11.76	15	---	P184	2	183	187	687.19	684.44	1.25	220	225	III	24	82	---	97	
IH 43	185	4	944+00.00	83.3	RT	691.68	INLETS 2x2.5-FT	V	6.65	7	---	P186	2 & 4	185	187	685.03	684.63	0.50	80	84	III	18	19	---	26	
IH 43	187A	2	943+75.00	9.5	LT	696.20	INLETS 4-FT DIAMETER	V	6.59	10	---	P187B	2	187A	187	689.61	689.52	1.00	9	13	III	18	2	---	12	1
IH 43	187	2	943+75.20	1.8	RT	695.63	MANHOLES 5-FT DIAMETER	B	21.99	15	---	P188	2	187	191	673.64	669.61	1.37	294	299	V	24	110	---	125	
IH 43	189	4	946+50.00	83.3	RT	685.73	INLETS 2x2.5-FT	V	6.64	7	---	P190	2 & 4	189	191	679.09	678.69	0.50	81	85	III	18	19	---	26	
IH 43	191A	2	946+75.00	13.3	LT	689.79	INLETS 4-FT DIAMETER	V	6.59	10	---	P191B	2	191A	191	683.20	683.09	1.00	12	16	III	18	3	---	13	1
IH 43	191	2	946+74.93	1.0	RT	689.00	MANHOLES 5-FT DIAMETER	B	19.39	15	---	P192	2	191	197	669.61	667.97	1.37	120	125	V	24	45	---	60	
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IH 43	197	2	948+00.00	0.0	RT	685.35	MANHOLES 5-FT DIAMETER	B	17.38	15	---	P198	2	197	201	667.97	666.67	1.37	95	100	V	24	35	---	50	
IH 43	199A	4	945+10.00	93.8	RT	672.74	INLETS MEDIAN 1 GRATE	MS	3.11	8	---	P199B	4	199A	199C	669.63	668.73	0.50	180	183	III	15	32	---	40	
IH 43	199C	4	947+04.75	103.9	RT	675.76	MANHOLES 4-FT DIAMETER	J-SPECIAL	7.03	9	---	P199D	4	199C	199E	668.73	667.83	0.50	180	184	III	15	32	---	41	
IH 43	199E	4	949+00.00	91.5	RT	677.17	MANHOLES 4-FT DIAMETER	J-SPECIAL	9.34	9	---	P199F	4	199E	199	667.83	667.81	0.50	4	8	III	15	1	---	10	
IH 43	199	4	949+00.00	85.3	RT	678.12	INLETS 4-FT DIAMETER	V	10.56	10	---	P200	2 & 4	199	201	667.56	667.17	0.50	79	83	III	18	19	---	29	
IH 43	201A	2	949+00.00	13.3	LT	683.13	INLETS 4-FT DIAMETER	V	6.58	10	---	P201B	2	201A	201	676.55	676.44	1.00	11	15	III	18	3	---	13	1
IH 43	201	2	949+00.00	0.0	RT	682.37	MANHOLES 5-FT DIAMETER	B	15.70	15	---	P202	2	201	223	666.67	663.32	1.37	244	250	III	24	91	---	106	
IH 43	215	4	951+39.44	85.3	RT	671.74	INLETS 4-FT DIAMETER	V	6.21	12	---	P216	4	215	217	665.53	665.49	0.69	6	10	III	24	2	---	14	
IH 43	217	4	951+50.00	85.3	RT	671.49	MANHOLES 5-FT DIAMETER	V	6.52	15	---	P218	2 & 4	217	223	664.97	664.58	0.50	77	83	III	24	29	---	44	
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[1] DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B] PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C] PLAN LENGTH SHOWN FOR PAY QUANTITY.

Addendum No. 01
ID 1228-22-71
Revised Sheet 623
April 1, 2021

Addendum No. 01
ID 1228-22-71
Revised Sheet 624
April 1, 2021

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STORM SEWER STRUCTURES											STORM SEWER PIPES													
ROADWAY	STRUCTURE NO.	STRUCTURE STAGE	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH [1] (FT)	BACKFILL SLURRY CY	STRUCTURE COMMENTS	PIPE ID	PIPE STAGE	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE [A] %	PIPE LENGTH [B] (FT)	PLAN LENGTH [C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	BACKFILL SLURRY CY	PIPE COMMENTS	TOTAL BACKFILL SLURRY CY
IH 43	223A	2	951+58.46	13.3	LT	675.61	INLETS 4-FT DIAMETER	V	6.59	10	---	P223B	2	223A	223	669.02	668.90	1.00	12	17	III	18	3	---	13
IH 43	223	2	951+50.00	0.0	RT	674.88	MANHOLES 6-FT DIAMETER	B	12.06	20	---	P224	2	223	321	662.82	659.12	1.38	268	275	III	30	145	--- (1)	165
IH 43	231	1	944+00.00	83.3	LT	700.02	INLETS 2x2.5-FT	V	6.79	7	COVER PLATE & RECONSTRUCT	P232	1	231	233	693.23	693.17	2.00	3	6	III	18	1	---	8
IH 43	233	1	944+00.00	76.3	LT	699.76	MANHOLES 4-FT DIAMETER	J-SPECIAL	23.36	12	---	P234	1	233	237	676.40	674.15	0.87	258	262	V	24	96	---	108
IH 43	235	1	946+50.00	83.3	LT	694.50	INLETS 2x2.5-FT	V	6.79	7	COVER PLATE & RECONSTRUCT	P236	1	235	237	687.71	687.65	2.00	3	6	III	18	1	---	8
IH 43	237	1	946+50.00	76.3	LT	694.24	MANHOLES 4-FT DIAMETER	J-SPECIAL	20.09	12	---	P238	1	237	241	674.15	671.90	0.87	258	262	V	24	96	---	108
IH 43	239	1	949+00.00	83.3	LT	687.18	INLETS 2x2.5-FT	V	6.79	7	COVER PLATE & RECONSTRUCT	P240	1	239	241	680.39	680.33	2.00	3	6	III	18	1	---	8
IH 43	241	1	949+00.00	76.3	LT	686.91	MANHOLES 4-FT DIAMETER	J-SPECIAL	15.01	12	---	P242	1	241	245	671.90	670.61	0.50	258	262	III	24	96	---	108
IH 43	243	1	951+50.00	83.3	LT	678.88	INLETS 2x2.5-FT	V	6.71	7	COVER PLATE & RECONSTRUCT	P244	1	243	245	672.17	672.11	2.00	3	6	III	18	1	---	8
IH 43	245	1	951+50.00	76.3	LT	678.70	MANHOLES 4-FT DIAMETER	J-SPECIAL	8.09	12	---	P246	1	245	249	670.61	663.33	2.97	246	250	IV	24	92	---	104
IH 43	247	1	954+00.00	83.3	LT	669.97	INLETS 2x2.5-FT	V	6.08	7	COVER PLATE & RECONSTRUCT	P248	1	247	249	663.89	663.83	2.00	3	7	III	18	1	---	8
IH 43	249	1	954+00.00	75.8	LT	669.92	MANHOLES 5-FT DIAMETER	J-SPECIAL	6.59	15	---	P250	1 & 2	249	321	663.33	661.13	3.00	73	80	IV	24	27	---	42
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IH 43	250B	1	951+51.33	113.8	LT	666.86	MANHOLES 4-FT DIAMETER	J-SPECIAL	10.47	10	---	P250C	1 & 2	250B	250D	656.39	655.62	0.30	257	261	V	18	61	**	71
IH 43	250D	2	952+94.37	104.8	RT	663.50	MANHOLES 4-FT DIAMETER	J-SPECIAL	7.89	10	---	PE250E	---	250D	---	655.61	---	---	---	---	---	18	---	EXIST PIPE INTERPOL ELEV	10
RAMP HAA	251	3	966+22.59	21.6	LT	666.98	INLETS 4-FT DIAMETER	J-SPECIAL	8.35	12	---	P252	2	251	255	658.63	656.33	3.09	74	79	III	24	28	---	40

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES												STORM SEWER PIPES														
ROADWAY	STRUCTURE NO.	STRUCTURE STAGE	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH [1] (FT)	BACKFILL SLURRY CY	STRUCTURE COMMENTS	PIPE ID	PIPE STAGE	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH [B] (FT)	PLAN LENGTH [C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	BACKFILL SLURRY CY	PIPE COMMENTS	TOTAL BACKFILL SLURRY CY	
IH 43	253A	3	966+55.53	3.5	RT	662.27	INLETS 4-FT DIAMETER	V	5.91	10	---	P253B	3	253A	253	656.36	656.32	1.00	4	8	IV	18	1	---	11	1
IH 43	253	3	966+50.00	0.0	RT	662.21	INLETS 4-FT DIAMETER	B	6.39	12	---	P254	3	253	255	655.82	655.58	0.50	48	52	IV	24	18	---	30	
IH 43	255	3	965+97.79	0.0	RT	663.20	MANHOLES 5-FT DIAMETER	B	7.62	15	---	P256	3	255	257B	655.58	654.61	0.50	193	198	III	24	72	---	87	
IH 43	257C	3	963+94.13	13.3	RT	666.52	INLETS 4-FT DIAMETER	V	6.59	10	---	P257D	3	257C	257B	659.93	659.89	1.00	4	8	III	18	1	---	11	1
IH 43	257	3	964+00.00	0.0	RT	665.83	INLETS 4-FT DIAMETER	B	6.59	10	---	P257A	3	257	257B	659.24	659.19	1.00	5	9	III	18	1	---	11	
IH 43	257B	3	964+00.00	9.3	RT	666.26	MANHOLES 5-FT DIAMETER	J-SPECIAL	11.65	15	---	P258	3	257B	259B	654.61	653.38	0.50	246	251	III	24	92	---	107	
IH 43	259C	3	961+55.87	13.3	RT	667.16	INLETS 4-FT DIAMETER	V	6.59	10	---	P259D	3	259C	259B	660.57	660.53	1.00	4	8	III	18	1	---	11	1
IH 43	259	3	961+50.00	0.0	RT	666.50	INLETS 4-FT DIAMETER	B	6.59	10	---	P259A	3	259	259B	659.91	659.86	1.00	5	9	III	18	1	---	11	
IH 43	259B	3	961+50.00	9.3	RT	666.93	MANHOLES 5-FT DIAMETER	J-SPECIAL	13.55	15	---	P260	3	259B	261	653.38	652.19	0.50	238	242	III	24	89	---	104	
IH 43	261A	3	959+03.37	13.3	RT	666.12	INLETS 4-FT DIAMETER	V	6.58	10	---	P261B	3	261A	261	659.54	659.50	1.00	4	8	III	18	1	---	11	1
IH 43	261	3	959+08.40	9.3	RT	665.98	MANHOLES 4-FT DIAMETER	J-SPECIAL	13.79	12	---	P262	3	261	301	652.19	652.16	0.50	7	13	III	24	3	---	15	
IH 43	267	3	966+50.05	85.5	LT	658.82	INLETS 2x2.5-FT	S	3.60	6	ROTATE STRUCTURE 90°	P268	3	267	269	655.22	655.05	0.30	56	58	IV	15	10	---	16	
IH 43	269	3	965+89.46	83.3	LT	660.08	INLETS 2x2.5-FT	S	5.03	6	ROTATE STRUCTURE 90°	P270	3	269	271	655.05	654.51	0.30	180	182	IV	15	32	---	38	
IH 43	271	1	964+00.00	83.3	LT	662.35	INLETS 2x2.5-FT	S	8.09	7	ROTATE STRUCTURE 90°	P272	3	271	273	654.26	654.24	0.30	8	10	III	18	2	---	9	
IH 43	273	1	963+89.62	83.3	LT	662.43	INLETS 2x2.5-FT	S	8.19	7	ROTATE STRUCTURE 90°	P274	3	273	283	654.24	653.90	0.30	113	115	III	18	27	---	34	
IH 43	283	1	962+69.81	83.3	LT	663.01	INLETS 2x2.5-FT	S	9.11	7	ROTATE STRUCTURE 90°	P284	1	283	285	653.90	653.56	0.30	113	115	III	18	27	---	34	
IH 43	285	1	961+50.00	83.3	LT	662.84	INLETS 2x2.5-FT	S	9.28	7	ROTATE STRUCTURE 90°	P286	1	285	287	653.56	653.22	0.30	114	116	III	18	27	---	34	
IH 43	287	1	960+29.87	83.3	LT	662.25	INLETS 2x2.5-FT	S	9.03	7	ROTATE STRUCTURE 90°	P288	1	287	289	653.22	653.20	0.30	8	10	III	18	2	---	9	
IH 43	289	1	960+19.48	83.3	LT	662.20	INLETS 2x2.5-FT	S	9.00	7	ROTATE STRUCTURE 90°	P290	1	289	297	653.20	652.87	0.30	112	116	III	18	26	---	33	
IH 43	293	1	958+90.00	85.3	LT	662.29	INLETS 4-FT DIAMETER	V	7.75	10	---	P294	1	293	295	654.54	654.51	0.50	6	10	III	18	1	---	11	
IH 43	295	1	958+99.99	85.3	LT	662.22	INLETS 4-FT DIAMETER	V	7.71	10	---	P296	1	295	297	654.51	654.49	1.00	2	7	III	18	1	---	11	
IH 43	297	2	959+00.00	76.3	LT	662.62	MANHOLES 6-FT DIAMETER	J-SPECIAL	10.75	20	---	P298	1	297	301	651.87	651.66	0.30	70	76	III	30	38	---	58	

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

Addendum No. 01
ID 1228-22-71
Revised Sheet 625
April 1, 2021

STORM SEWER STRUCTURES												STORM SEWER PIPES													
ROADWAY	STRUCTURE NO.	STRUCTURE STAGE	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH [1] (FT)	BACKFILL SLURRY CY	STRUCTURE COMMENTS	PIPE ID	PIPE STAGE	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH [B] (FT)	PLAN LENGTH [C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	BACKFILL SLURRY CY	PIPE COMMENTS	TOTAL BACKFILL SLURRY CY
IH 43	301	2	959+00.00	0.0	RT	665.16	MANHOLES 7-FT DIAMETER	B	14.00	25	---	P302	1 & 2	301	303	651.16	650.73	0.30	144	150	III	36	107	---	132
IH 43	303	1	957+50.00	0.0	RT	664.42	MANHOLES 5-FT DIAMETER	B	13.70	19	---	P304	2	303	319	650.72	650.43	0.30	95	100	III	36	70	---	89
IH 43	305	1	956+40.00	83.3	LT	664.19	INLETS 2x2.5-FT	V	6.32	6	COVER PLATE & RECONSTRUCT	P306	2	305	307	657.87	657.72	2.00	8	10	III	12	1	---	7
IH 43	307	1	956+50.00	83.3	LT	664.04	INLETS 2x2.5-FT	V	6.82	7	COVER PLATE & RECONSTRUCT	P308	1	307	309	657.22	657.16	2.00	3	6	III	18	1	---	8
IH 43	309	2	956+50.00	76.3	LT	664.13	MANHOLES 4-FT DIAMETER	J-SPECIAL	7.47	12	---	P310	1	309	319	656.66	655.24	2.00	71	76	III	24	27	---	39
IH 43	319A	1	956+90.00	13.3	RT	665.43	INLETS 4-FT DIAMETER	V	6.59	10	---	P319B	1	319A	319C	658.84	658.79	0.50	11	15	III	18	3	---	13
IH 43	319C	1	956+75.00	13.3	RT	665.41	INLETS 4-FT DIAMETER	V	6.62	10	---	P319D	1	319C	319E	658.79	658.68	0.50	21	25	III	18	5	---	15
IH 43	319E	1	956+50.00	13.3	RT	665.43	INLETS 4-FT DIAMETER	V	6.75	10	---	P319F	1	319E	319	658.68	658.58	1.00	10	16	III	18	2	---	12
IH 43	319	1	956+50.00	0.0	RT	664.74	MANHOLES 6-FT DIAMETER	B	14.31	22	---	P320	1 & 2	319	321	650.43	649.77	0.30	218	225	III	36	161	---	183
IH 43	321A	4	954+34.56	13.3	LT	668.02	INLETS 4-FT DIAMETER	V	6.58	10	---	P321B	2	321A	321	661.44	661.32	1.00	12	18	III	18	3	---	13
IH 43	321	1	954+25.00	0.0	RT	667.49	MANHOLES 8-FT DIAMETER	B	18.72	35	---	P322	1	321	327	648.77	648.55	0.30	74	82	III	48	91	---	126
IH 43	325	4	954+15.00	85.3	RT	666.59	INLETS 4-FT DIAMETER	V	6.27	12	---	P326	4	325	327	660.32	660.27	1.00	5	10	III	24	2	---	14
IH 43	327	1	954+25.00	81.8	RT	666.54	MANHOLES 7-FT DIAMETER	J-SPECIAL	17.99	31	---	P328	1	327	329	648.55	648.52	0.30	9	16	III	48	11	---	42
IH 43	329	1	954+36.21	92.6	RT	665.18	MANHOLES 7-FT DIAMETER	J-SPECIAL	16.66	31	---	P330	1	329	331	648.52	648.49	0.30	9	15	III	48	11	---	42
IH 43	331	1	954+51.24	94.2	RT	661.45	MANHOLES 6-FT DIAMETER	J-SPECIAL	12.96	28	---	P332	2	331	333	648.49	648.27	0.30	72	79	III	48	89	---	117
IH 43	333	2	955+30.52	100.0	RT	653.65	MANHOLES 8-FT DIAMETER	J-SPECIAL	5.38	35	---	P334	2	333	335	648.27	648.25	0.30	7	11	III	48	8	TO ENDWALL	43
RAMP HAA	351	2	961+78.78	55.9	RT	650.50	POND OUTLET STRUCTURE	---	3.50	20	LAKE TOWER POND OUTLET STORM SEWER STRUCTURE. SEE CONSTRUCTION DETAIL.	P352	2	351	353	647.00	641.08	2.30	257	263	III	30	139	---	159
RAMP HAA	353	2	964+34.41	36.0	RT	645.41	MANHOLES 5-FT DIAMETER	C	4.48	17	---	P354	2	353	355	640.93	632.21	3.00	291	295	III	30	158	---	175
RAMP HAA	355	2	967+25.00	24.3	RT	637.99	INLETS 4-FT DIAMETER	C	5.78	14	---	P356	2	355	357	632.21	631.55	1.50	44	48	IV	30	24	---	38

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[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

Addendum No. 01
ID 1228-22-71
Revised Sheet 626
April 1, 2021

Addendum No. 01
ID 1228-22-71
Revised Sheet 627
April 1, 2021

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STORM SEWER STRUCTURES												STORM SEWER PIPES														
ROADWAY	STRUCTURE NO.	STRUCTURE STAGE	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH [1] (FT)	BACKFILL SLURRY CY	STRUCTURE COMMENTS	PIPE ID	PIPE STAGE	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE [A] %	PIPE LENGTH [B] (FT)	PLAN LENGTH [C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	BACKFILL SLURRY CY	PIPE COMMENTS	TOTAL BACKFILL SLURRY CY
RAMP HAA	357	2	967+71.74	14.1	RT	637.46	MANHOLES 4-FT DIAMETER	J-SPECIAL	7.06	14	---	P358	2	357	E359	630.40	630.02	1.50	25	30	IV	30	14	---	28
RAMP HAA	E359	---	968+00.43	4.9	RT	636.67	---	---	---	---	---	---	---	---	---	---	---	--	---	---	---	---	---	---	---
IH 43	371	1	961+79.50	128.9	LT	640.84	INLETS MEDIAN 2 GRATE	MS	6.59	11	FLAT GRATES	P372	1	371	373	634.25	632.35	0.50	380	384	III	18	90	---	101
IH 43	373	1	965+82.56	93.9	LT	638.71	INLETS MEDIAN 1 GRATE	MS	6.36	9	FLAT GRATES	P374	1	373	375	632.35	631.92	0.50	87	90	III	18	20	---	29
IH 43	375	1	966+76.27	102.5	LT	638.00	MANHOLES 4-FT DIAMETER	J-SPECIAL	6.08	10	---	P376	1	375	E377	631.92	631.67	0.50	49	55	III	18	12	---	22
IH 43	E377	---	967+32.43	93.1	LT	636.92	---	---	---	---	---	---	---	---	---	---	---	--	---	---	---	---	---	---	---
RAMP HAB	401	2	969+00.05	10.5	LT	652.50	INLETS 2x2.5-FT	V	6.67	7	---	P402	3	401	403	645.83	645.07	1.00	76	79	III	18	18	---	25
IH 43	403	2	968+99.99	3.3	LT	656.78	INLETS 4-FT DIAMETER	V	12.11	12	---	P404	2	403	405	644.67	644.60	1.00	7	11	III	24	2	---	14
IH 43	405	2	969+00.00	3.3	RT	655.93	INLETS 4-FT DIAMETER	V	11.33	12	---	P406	2	405	407	644.60	643.98	1.00	62	66	III	24	23	---	35
IH 43	407	3	968+99.51	71.6	RT	659.50	MANHOLES 5-FT DIAMETER	J-SPECIAL	20.22	15	---	P408	1	407	419	639.28	636.76	1.00	252	256	IV	24	94	---	109
RAMP HAB	411	2	971+43.80	9.0	LT	646.45	INLETS 2x2.5-FT	V	6.85	7	---	P412	3	411	413	639.60	638.80	1.00	80	83	III	18	19	---	26
IH 43	413	2	971+50.01	3.3	LT	648.74	INLETS 4-FT DIAMETER	V	10.44	12	---	P414	2	413	417	638.30	638.23	1.00	7	11	III	24	2	---	14
IH 43	415	2	971+40.00	3.3	RT	649.20	INLETS 4-FT DIAMETER	V	6.60	10	---	P416	2	415	417	642.60	642.55	1.00	6	10	III	18	1	---	11
IH 43	417	1	971+49.99	3.3	RT	648.93	MANHOLES 5-FT DIAMETER	V	10.71	15	---	P418	1 & 2	417	419	638.22	637.61	1.00	61	66	III	24	23	---	38
IH 43	419	1	971+50.02	71.7	RT	650.84	MANHOLES 4-FT DIAMETER	J-SPECIAL	14.08	12	---	P420	1	419	421	636.76	633.95	1.00	281	285	III	24	105	---	117

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

Addendum No. 01
ID 1228-22-71
Revised Sheet 630
April 1, 2021

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STORM SEWER STRUCTURES												STORM SEWER PIPES														
ROADWAY	STRUCTURE NO.	STRUCTURE STAGE	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH [1] (FT)	BACKFILL SLURRY CY	STRUCTURE COMMENTS	PIPE ID	PIPE STAGE	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE [A] %	PIPE LENGTH [B] (FT)	PLAN LENGTH [C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	BACKFILL SLURRY CY	PIPE COMMENTS	TOTAL BACKFILL SLURRY CY
RAMP HAA	523	4	978+07.98	34.8	LT	628.66	INLETS 4-FT DIAMETER	H-S	4.89	9	---	P524	4	523	E535	623.77	623.60	0.50	32	38	IV	15	6	---	15
RAMP HAA	525	4	978+39.68	83.4	LT	629.67	INLETS 4-FT DIAMETER	H	5.48	9	---	P526	4	525	531	624.19	624.16	0.50	5	9	IV	15	1	---	10
RAMP HAA	527	4	978+45.92	83.1	LT	629.70	INLETS 4-FT DIAMETER	H	5.50	9	---	P528	4	527	529	624.20	624.18	0.50	5	9	IV	15	1	---	10
RAMP HAA	529	4	978+44.61	74.5	LT	629.58	INLETS 4-FT DIAMETER	H	5.40	9	---	P530	4	529	531	624.18	624.16	0.50	6	10	IV	15	1	---	10
RAMP HAA	531	4	978+39.02	74.2	LT	629.59	INLETS 4-FT DIAMETER	H	5.43	9	---	P532	4	531	E535	624.16	623.99	0.50	33	39	IV	15	6	---	15
RAMP HAA	E535	---	978+47.79	36.6	LT	629.39	---	---	---	---	---	---	---	---	---	--	---	---	---	---	---	---	---	---	---
RAMP HAB	551	2	976+79.04	12.0	LT	640.88	INLETS 2x2.5-FT	V	8.75	6	---	P552	2	551	E553	632.13	626.66	20.00	27	31	III	15	5	---	11
RAMP HAB	E553	---	976+98.23	34.9	LT	630.50	---	---	---	---	---	---	---	---	---	--	---	---	---	---	---	---	---	---	---
IH 43	E559	---	976+25.26	301.8	RT	629.67	---	---	---	---	---	P560	4	E559	561	625.45	625.42	0.50	6	10	IV	12	1	---	1
RAMP HAA	561	4	978+40.01	67.3	RT	629.57	INLETS 4-FT DIAMETER	H-S	4.15	8	---	P562	4	561	E563	625.42	625.33	0.55	16	21	IV	12	2	---	10
RAMP HAA	E563	---	978+32.82	48.3	RT	630.51	---	---	---	---	---	---	---	---	---	--	---	---	---	---	---	---	---	---	---
IH 43	599	1	982+85.50	79.8	RT	635.10	INLETS 4-FT DIAMETER	H	3.43	8	---	P600	1	599	601	631.67	631.36	1.00	31	35	IV	12	4	---	12
IH 43	601	1	982+46.19	82.4	RT	635.31	INLETS 4-FT DIAMETER	H	3.95	8	---	P602	1	601	603	631.36	631.25	1.00	11	15	IV	12	1	---	9
IH 43	603	1	982+34.95	82.6	RT	635.48	INLETS 4-FT DIAMETER	H	5.12	8	---	PE604	---	603	E607	630.36	---	---	---	---	---	12	---	EXIST PIPE INTERPOL ELEV	8
IH 43	605	1	982+49.13	179.4	RT	634.50	INLETS 4-FT DIAMETER	H	6.29	10	---	PE606	---	605	E607	628.21	---	---	---	---	---	18	---	EXIST PIPE INTERPOL ELEV	10

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[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES												STORM SEWER PIPES													
ROADWAY	STRUCTURE NO.	STRUCTURE STAGE	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH [1] (FT)	BACKFILL SLURRY CY	STRUCTURE COMMENTS	PIPE ID	PIPE STAGE	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE [A] %	PIPE LENGTH [B] (FT)	PLAN LENGTH [C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	BACKFILL SLURRY CY	PIPE COMMENTS	TOTAL BACKFILL SLURRY CY
IH 43	731	2	1001+58.76	0.0	RT	620.53	INLETS 4-FT DIAMETER	B	4.18	12	---	P732	2	731	733	616.35	616.32	0.50	7	11	IV	24	3	---	15
IH 43	733	2	1001+66.65	5.8	LT	621.17	INLETS 4-FT DIAMETER	V	4.85	12	---	P734	2	733	735	616.32	616.15	0.37	46	51	IV	24	17	---	29
IH 43	735	2	1002+00.31	45.5	LT	620.81	MANHOLES 6-FT DIAMETER	J-SPECIAL	4.66	20	---	P736	2	735	901	616.15	615.86	0.20	142	150	HE-IV	29x45	178	---	198
IH 43	781A	1	984+80.00	10.7	RT	655.85	INLETS 4-FT DIAMETER	V	6.59	10	---	P781B	1	781A	781C	649.26	649.04	1.00	21	26	III	18	5	---	15
IH 43	781C	1	984+80.00	10.7	LT	655.52	INLETS 4-FT DIAMETER	V	6.48	10	---	P781D	1	781C	781E	649.04	648.89	1.00	15	20	III	18	4	---	14
IH 43	781E	1	985+00.00	11.7	LT	655.25	INLETS 4-FT DIAMETER	V	6.36	10	---	P781F	1	781E	781	648.89	648.79	1.00	10	14	III	18	2	---	12
IH 43	781	1	985+00.00	0.0	RT	654.59	INLETS 4-FT DIAMETER	B	6.94	12	---	P782	1	781	783	647.65	647.31	0.50	68	73	III	24	26	---	38
IH 43	783	1	985+00.00	75.3	RT	654.69	MANHOLES 5-FT DIAMETER	HM	7.38	15	---	P784	1	783	787	647.31	641.17	2.52	243	248	III	24	91	---	106
IH 43	785A	1	987+50.00	13.3	LT	649.48	INLETS 4-FT DIAMETER	V	6.58	10	---	P785B	1	785A	785	642.90	642.78	1.00	11	15	III	18	3	---	13
IH 43	785	1	987+50.00	0.0	RT	648.99	INLETS 4-FT DIAMETER	B	7.48	12	---	P786	1	785	787	641.51	641.17	0.50	68	73	III	24	26	---	38
IH 43	787	1	987+50.00	75.3	RT	648.29	MANHOLES 5-FT DIAMETER	HM	7.12	15	---	P788	1	787	789	641.17	638.84	2.48	94	98	III	24	35	---	50
IH 43	789	1	988+50.00	75.3	RT	645.91	INLETS 4-FT DIAMETER	HM	7.07	12	---	P790	1	789	791	638.84	636.94	2.00	95	99	III	24	36	---	48
IH 43	791	1	989+50.00	75.3	RT	644.25	INLETS 4-FT DIAMETER	HM	7.31	12	---	P792	1	791	803	636.94	635.35	2.25	71	75	III	24	26	---	38
IH 43	801A	1	990+25.16	12.3	LT	643.01	INLETS 4-FT DIAMETER	V	6.59	10	---	P801B	1	801A	801	636.42	636.32	1.00	10	14	III	18	2	---	12
IH 43	801	1	990+25.00	0.0	RT	642.94	INLETS 4-FT DIAMETER	B	7.25	12	---	P802	1	801	803	635.69	635.35	0.50	68	73	III	24	26	---	38
IH 43	803	1	990+25.00	75.3	RT	643.02	MANHOLES 5-FT DIAMETER	HM	7.67	15	---	P804	1	803	805	635.35	629.84	2.62	210	215	III	24	79	---	94
IH 43	805	1	992+39.99	75.0	RT	639.40	INLETS 4-FT DIAMETER	HM	9.56	12	---	P806	1	805	809	629.84	629.70	2.50	6	10	III	24	2	---	14
IH 43	807A	2	992+35.00	13.0	RT	637.52	INLETS 4-FT DIAMETER	V	6.59	10	---	P807B	2	807A	807C	630.93	630.83	1.00	11	15	III	18	2	---	12
IH 43	807C	2	992+35.00	0.0	RT	637.04	MANHOLES 4-FT DIAMETER	J-SPECIAL	6.21	10	---	P807D	2	807C	807	630.83	630.73	1.00	10	15	III	18	2	---	12
IH 43	807	2	992+50.00	0.0	RT	636.61	MANHOLES 5-FT DIAMETER	B	6.57	15	---	P808	1	807	809	630.04	629.70	0.50	67	72	III	24	25	---	40
IH 43	809	1	992+50.00	74.8	RT	639.23	MANHOLES 5-FT DIAMETER	HM	9.53	15	---	P810	1	809	815	629.70	623.66	2.45	247	253	III	24	92	---	107
IH 43	811	2	993+75.00	0.0	RT	633.61	INLETS 4-FT DIAMETER	B	9.11	12	---	P812	1	811	813	624.50	623.90	0.50	121	125	III	24	45	---	57

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[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

Addendum No. 01
ID 1228-22-71
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Addendum No. 01
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Revised Sheet 634
April 1, 2021

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STORM SEWER STRUCTURES												STORM SEWER PIPES													
ROADWAY	STRUCTURE NO.	STRUCTURE STAGE	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH [1] (FT)	BACKFILL SLURRY CY	STRUCTURE COMMENTS	PIPE ID	PIPE STAGE	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE [A] %	PIPE LENGTH [B] (FT)	PLAN LENGTH [C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	BACKFILL SLURRY CY	PIPE COMMENTS	TOTAL BACKFILL SLURRY CY
IH 43	813	2	995+00.00	3.3	RT	631.08	MANHOLES 5-FT DIAMETER	V	7.18	15	---	P814	1	813	815	623.90	623.66	0.50	48	54	III	24	18	---	33
IH 43	815	1	995+00.00	62.9	RT	632.81	MANHOLES 7-FT DIAMETER	HM	9.15	19	---	P816	1	815	831	623.66	617.72	2.40	248	254	III	24	93	---	112
IH 43	831	1	997+50.00	56.0	RT	624.86	MANHOLES 6-FT DIAMETER	HM	7.56	20	---	P832	1	831	835	617.30	616.57	0.30	244	250	HE-IV	29x45	306	---	326
IH 43	833	1	1000+00.00	56.0	RT	620.59	INLETS 4-FT DIAMETER	V	3.83	10	---	P834	1	833	835	616.76	616.75	0.50	4	9	IV	18	1	---	11
IH 43	835	1	1000+00.00	45.5	RT	620.97	MANHOLES 6-FT DIAMETER	J-SPECIAL	4.40	20	---	P836	1	835	843	616.57	616.35	0.20	110	116	HE-IV	29x45	138	---	158
IH 43	837A	1	1000+50.00	63.2	RT	619.01	INLETS MEDIAN 2 GRATE	MS	2.18	11	---	P837B	1	837A	837	616.83	616.67	1.00	16	21	IV	18	4	---	15
IH 43	837	1	1000+69.26	56.0	RT	620.14	INLETS 4-FT DIAMETER	V	3.47	10	---	P838	1	837	841	616.67	616.54	0.30	43	47	IV	18	10	---	20
IH 43	839	1	1001+43.96	56.0	RT	620.36	INLETS 4-FT DIAMETER	V	3.81	10	---	P840	1	839	841	616.55	616.48	0.30	24	28	IV	18	6	---	16
IH 43	841	1	1001+16.28	56.0	RT	620.02	INLETS 4-FT DIAMETER	V	3.52	10	---	P842	1	841	843	616.50	616.49	0.30	4	9	IV	18	1	---	11
IH 43	843	1	1001+16.28	45.5	RT	620.44	MANHOLES 6-FT DIAMETER	J-SPECIAL	4.10	20	---	P844	1	843	851	616.34	616.19	0.20	77	83	HE-IV	29x45	96	---	116
IH 43	849	1	1002+07.27	62.1	RT	620.11	INLETS MEDIAN 2 GRATE	MS	3.82	11	---	P850	1	849	851	616.29	616.19	1.20	8	13	IV	18	2	---	13
IH 43	851	1	1002+07.76	49.4	RT	621.13	MANHOLES 6-FT DIAMETER	J-SPECIAL	4.94	22	---	P852	1	851	853	616.19	615.99	0.15	134	142	HE-IV	34x53	225	---	247
IH 43	853	2	1003+50.25	54.4	RT	623.34	MANHOLES 10-FT DIAMETER	V	7.35	37	---	P854	1	853	891	615.99	615.94	0.15	34	43	HE-IV	34x53	58	---	95
IH 43	871	2	1002+00.00	6.0	RT	620.85	INLETS 4-FT DIAMETER	V	4.43	12	---	P872	2	871	877	616.42	616.28	0.30	46	50	IV	24	17	---	29
IH 43	873	2	1002+30.93	0.0	RT	620.89	INLETS 4-FT DIAMETER	B	4.53	9	---	P874	2	873	875	616.36	616.31	0.30	16	20	IV	15	3	---	12

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[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY:MILWAUKEE	DRAINAGE QUANTITIES	SHEET: 634	E

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3

STORM SEWER STRUCTURE SUMMARY

611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	SPV.0060.8002 MANHOLES 9-FT SPECIAL EACH	SPV.0060.8003 MANHOLES 10-FT SPECIAL EACH	611.3220 INLETS 2x2-FT EACH	611.3225 INLETS 2x2.5-FT EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.0535 MANHOLE COVERS TYPE J SPECIAL EACH	611.0606 INLET COVERS TYPE B EACH	611.0610 INLET COVERS TYPE BW EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0636 INLET COVERS TYPE HM-S EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0651 INLET COVERS TYPE S EACH	611.0654 INLET COVERS TYPE V EACH
17	34 *	12	5	3	2	1	3	28	107	3	6	33 *	25	4	4	12	21	4	5	15	10	94
1								1				1				1		1				1

STORM SEWER PIPE SUMMARY

608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	608.0348 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 48-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	608.0448 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 48-INCH LF	608.0518 STORM SEWER PIPE REINFORCED CONCRETE CLASS V 18-INCH LF	608.0524 STORM SEWER PIPE REINFORCED CONCRETE CLASS V 24-INCH LF	608.2424 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 24X38-INCH LF	608.2429 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 29X45-INCH LF	608.2434 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 34X53-INCH LF	SPV.0090.8001 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 38X60-INCH LF
28	1301	2,346 *	5692	979 *	516	203	131	985	404	2034	78	47	261	1267	204	599	243	68
	1								1									

* ADDITIONAL QUANTITIES FOUND ELSEWHERE

Addendum No. 01
ID 1228-22-71
Revised Sheet 636
April 1, 2021

PROJECT NO: 1228-22-71	HWY: IH 43	COUNTY:MILWAUKEE	DRAINAGE QUANTITIES	SHEET: 636	E

LIGHTING AND MISCELLANEOUS - FINAL

CATEGORY	STAGE	DESCRIPTION	LOCATION		652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH	653.0135* PULL BOXES STEEL 24x36-INCH EACH	653.0140* PULL BOXES STEEL 24x42-INCH EACH	654.0105 CONCRETE BASES TYPE 5 EACH	654.0108 CONCRETE BASES TYPE 8 EACH	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG LF	657.0210 TRANSFORMER BASES BREAKAWAY 15-17-INCH BOLT CIRCLE EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0322* POLES TYPE 5-ALUMINUM EACH	657.0375 POLES TYPE A EACH	657.0380 POLES TYPE E EACH	657.0605 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 4-FT EACH	657.0615 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 8-FT EACH	657.0620 LUMINAIRE ARMS SINGLE MEMBER 6-INCH CLAMP 4-FT EACH
1100		ECA8	924+80.2	SM	--	--	--	--	--	120	--	--	--	--	--	--	--	--
		ECA7/FCA7	917+76.6	0.40'LT	--	--	--	--	--	390	--	--	--	--	--	--	--	--
		ECA6	GREEN BAY AVE BRIDGE		--	--	--	--	--	--	--	--	--	--	--	--	--	--
		FCA6	GREEN BAY AVE BRIDGE		--	--	--	--	--	--	--	--	--	--	--	--	--	--
		ECA5/FCA5	921+33.7	0.15'LT	--	--	--	--	--	390	--	--	--	--	--	--	--	--
		ECA4/FCA4	924+12.4	0.43'LT	--	--	--	--	--	390	--	--	--	--	--	--	--	--
		ECA3	CAPITOL DR BRIDGE		--	--	--	--	--	--	--	--	--	--	--	--	--	--
		FCA3	CAPITOL DR BRIDGE		--	--	--	--	--	--	--	--	--	--	--	--	--	--
		FCA1	924+69.2	260.19'RT	--	--	--	--	--	120	--	--	--	--	--	--	--	--
		ECA1	923+14.4	152.86'RT	--	--	--	--	--	120	--	--	--	--	--	--	--	--
		FCA2	920+55.5	84.50'RT	--	--	--	1	--	120	--	1	1	--	--	--	1	--
		EXLPB-CA-002	926+64.1	109.66'RT	1	--	--	--	--	--	--	--	--	--	--	--	--	--
		LPB-CA-1	927+93.7	93.29'RT	--	--	1	--	--	--	--	--	--	--	--	--	--	--
		LPB-CA-2	927+11.1	72.00'RT	--	--	1	--	--	--	--	--	--	--	--	--	--	--
		LPB-CA-3	927+10.9	63.32'LT	--	--	1	--	--	--	--	--	--	--	--	--	--	--
		ACA1	927+01.1	72.00'RT	--	--	--	--	1	195	1	--	--	--	1	--	--	1
		BCA1	929+65.6	78.00'RT	1	--	--	--	1	195	1	--	--	--	1	--	--	1
		BCA4	926+98.9	63.13'LT	--	--	--	--	1	195	1	--	--	--	1	--	--	1
		ACA4	929+65.9	66.98'LT	--	--	--	--	1	195	1	--	--	--	1	--	--	1
		LPB-CA-4	931+88.3	124.29'RT	--	--	1	--	--	--	--	--	--	--	--	--	--	--
		ACA2	932+35.0	56.41'RT	--	--	--	--	1	195	1	--	--	--	1	--	--	1
		BCA2	934+99.9	57.25'RT	--	--	--	--	1	195	1	--	--	--	1	--	--	1
		LPB-CA-5	935+75.3	66.71'RT	--	--	1	--	--	--	--	--	--	--	--	--	--	--
		ACA3	937+59.9	57.00'RT	--	--	--	--	1	195	1	--	--	--	1	--	--	1
		BCA5	932+35.7	72.08'LT	--	--	--	--	1	195	1	--	--	--	1	--	--	1
		LPB-CA-6	934+16.8	111.44'LT	--	--	1	--	--	--	--	--	--	--	--	--	--	--
		ACA5	935+00.1	57.00'LT	--	--	--	--	1	195	1	--	--	--	1	--	--	1
		LPB-CA-7	936+55.3	59.96'LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		BCA6	937+60.1	57.88'LT	--	--	--	--	1	195	1	--	--	--	1	--	--	1
		EXLPB-CA-22	935GBA+70.7	13.43'RT	1	--	--	--	--	--	--	--	--	--	--	--	--	--
		LPB-CA-11	935GBD+74.2	23.95'RT	--	--	1	--	--	--	--	--	--	--	--	--	--	--
		CCA2	932GBD+14.6	18.00'RT	--	--	--	1	--	195	--	1	1	--	--	--	1	--
		DCA2	934GBD+21.5	18.00'RT	--	--	--	1	--	195	--	1	1	--	--	--	1	--
		CCA3	936GBD+27.9	18.00'RT	--	--	--	1	--	195	--	1	1	--	--	--	1	--
		DCA3	938GBD+34.3	18.00'RT	--	--	--	1	--	195	--	1	1	--	--	--	1	--

Addendum No. 01
ID 1228-22-71
Revised Sheet 657
April 1, 2021

* ADDITIONAL QUANTITIES FOUND ELSEWHERE

(CONTINUED ON NEXT SHEET)

LIGHTING AND MISCELLANEOUS - FINAL (CONTINUED)

CATEGORY	STAGE	DESCRIPTION	LOCATION		659.0600.1001 UNDERDECK LIGHTING (B-40-1016) LS	659.0600.1002 UNDERDECK LIGHTING (B-40-1018) LS	659.1120* LUMINAIRE UTILITY LED B EACH	659.1125 LUMINAIRE UTILITY LED C EACH	659.1130 LUMINAIRE UTILITY LED D EACH	659.1215 LUMINAIRE UNDERDECK LED C EACH	SPV.0060.1008 LUMINAIRES REPLACE EXISTING HPS EACH	SPV.0060.1010 CONCRETE BASES TYPE B EACH	SPV.0060.1011 LUMINAIRES SIGN LED EACH	REMARKS
1100		ECA8	924+80.2	SM	--	--	--	--	--	--	--	--	1	S-40-42
		ECA7/FCA7	917+76.6	0.40'LT	--	--	--	--	2	--	2	--	--	
		ECA6	GREEN BAY AVE BRIDGE		--	--	--	--	--	3	3	--	--	UDL X3
		FCA6	GREEN BAY AVE BRIDGE		--	--	--	--	--	3	3	--	--	UDL X3
		ECA5/FCA5	921+33.7	0.15'LT	--	--	--	--	2	--	2	--	--	
		ECA4/FCA4	924+12.4	0.43'LT	--	--	--	--	2	--	2	--	--	
		ECA3	CAPITOL DR BRIDGE		--	--	--	--	--	2	2	--	--	UDL X2
		FCA3	CAPITOL DR BRIDGE		--	--	--	--	--	2	2	--	--	UDL X2
		FCA1	924+69.2	260.19'RT	--	--	--	1	--	--	1	--	--	
		ECA1	923+14.4	152.86'RT	--	--	--	1	--	--	1	--	--	
		FCA2	920+55.5	84.50'RT	--	--	--	1	--	--	--	--	--	
		EXLPB-CA-002	926+64.1	109.66'RT	--	--	--	--	--	--	--	--	--	
		LPB-CA-1	927+93.7	93.29'RT	--	--	--	--	--	--	--	--	--	
		LPB-CA-2	927+11.1	72.00'RT	--	--	--	--	--	--	--	--	--	
		LPB-CA-3	927+10.9	63.32'LT	--	--	--	--	--	--	--	--	--	
		ACA1	927+01.1	72.00'RT	--	--	--	--	1	--	--	--	--	
		BCA1	929+65.6	78.00'RT 1	--	--	--	--	1	--	--	--	--	
		BCA4	926+98.9	63.13'LT	--	--	--	--	1	--	--	--	--	
		ACA4	929+65.9	66.98'LT	--	--	--	--	1	--	--	--	--	
		LPB-CA-4	931+88.3	124.29'RT	--	--	--	--	--	--	--	--	--	
		ACA2	932+35.0	56.41'RT	--	--	--	--	1	--	--	--	--	
		BCA2	934+99.9	57.25'RT	--	--	--	--	1	--	--	--	--	
		LPB-CA-5	935+75.3	66.71'RT	--	--	--	--	--	--	--	--	--	
		ACA3	937+59.9	57.00'RT	--	--	--	--	1	--	--	--	--	
		BCA5	932+35.7	72.08'LT	--	--	--	--	1	--	--	--	--	
		LPB-CA-6	934+16.8	111.44'LT	--	--	--	--	--	--	--	--	--	
		ACA5	935+00.1	57.00'LT	--	--	--	--	1	--	--	--	--	
		LPB-CA-7	936+55.3	59.96'LT	--	--	--	--	--	--	--	--	--	
		BCA6	937+60.1	57.88'LT	--	--	--	--	1	--	--	--	--	
		EXLPB-CA-22	935GBA+70.7	13.43'RT	--	--	--	--	--	--	--	--	--	
		LPB-CA-11	935GBD+74.2	23.95'RT	--	--	--	--	--	--	--	--	--	
		CCA2	932GBD+14.6	18.00'RT	--	--	1	--	--	--	--	--	--	
		DCA2	934GBD+21.5	18.00'RT	--	--	1	--	--	--	--	--	--	
		CCA3	936GBD+27.9	18.00'RT	--	--	1	--	--	--	--	--	--	
		DCA3	938GBD+34.3	18.00'RT	--	--	1	--	--	--	--	--	--	

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Revised Sheet 658
April 1, 2021

(CONTINUED ON NEXT SHEET)

LIGHTING AND MISCELLANEOUS - FINAL (CONTINUED)

CATEGORY	STAGE	DESCRIPTION	LOCATION		652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH	653.0135* PULL BOXES STEEL 24x36-INCH EACH	653.0140* PULL BOXES STEEL 24x42-INCH EACH	654.0105 CONCRETE BASES TYPE 5 EACH	654.0108 CONCRETE BASES TYPE 8 EACH	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG LF	657.0210 TRANSFORMER BASES BREAKAWAY 15-17-INCH BOLT CIRCLE EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0322* POLES TYPE 5-ALUMINUM EACH	657.0375 POLES TYPE A EACH	657.0380 POLES TYPE E EACH	657.0605 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 4-FT EACH	657.0615 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 8-FT EACH	657.0620 LUMINAIRE ARMS SINGLE MEMBER 6-INCH CLAMP 4-FT EACH
1100		LPB-GL-7	953+79.0	97.55'RT	--	--	1	--	--	--	--	--	--	--	--	--	--	--
		LPB-GL-6	953+87.5	0.00'LT	--	--	1	--	--	--	--	--	--	--	--	--	--	--
		FGL11	954+82.7	SM	--	--	--	--	--	195	1	--	--	1	--	--	--	1
		EGL11	956+64.2	SM	--	--	--	--	--	195	1	--	--	1	--	--	--	1
		FGL10	958+62.7	SM	--	--	--	--	--	195	1	--	--	1	--	--	--	1
		EGL10	960+56.3	SM	--	--	--	--	--	195	1	--	--	1	--	--	--	1
		EGL3/FGL3	961+41.6	0.00'LT	--	--	--	--	--	390	1	--	--	1	--	--	--	2
		EGL2/FGL2	964+08.1	0.00'LT	--	--	--	--	--	390	1	--	--	1	--	--	--	2
		EGL1/FGL1	966+73.3	0.26'LT	--	--	--	--	--	390	1	--	--	1	--	--	--	2
		LPB-GL-3	969+12.4	0.09'RT	--	--	1	--	--	--	--	--	--	--	--	--	--	--
		EGL16/FGL16	969+37.7	0.14'LT	--	--	--	--	--	390	1	--	--	1	--	--	--	2
		EGL17/FGL17	972+01.7	0.00'RT	--	--	--	--	--	390	1	--	--	1	--	--	--	2
		EGL18/FGL18	974+66.0	0.00'RT	--	--	--	--	--	390	1	--	--	1	--	--	--	2
		EGL19/FGL19	977+00.0	0.00'LT	--	--	--	--	--	390	1	--	--	1	--	--	--	2
		LPB-GL-10	977+15.6	0.00'LT	--	--	1	--	--	--	--	--	--	--	--	--	--	--
		FGL20	980+11.0	SM	--	--	--	--	--	195	1	--	--	1	--	--	--	1
		EGL20	980+11.4	SM	--	--	--	--	--	195	1	--	--	1	--	--	--	1
		FGL21	982+35.5	SM	--	--	--	--	--	195	1	--	--	1	--	--	--	1
		EGL21	982+35.0	SM	--	--	--	--	--	195	1	--	--	1	--	--	--	1
		LPB-GL-1	968+46.1	110.91'LT	--	--	1	--	--	--	--	--	--	--	--	--	--	--
		LPB-GL-2	969+12.7	103.47'LT	--	--	1	--	--	--	--	--	--	--	--	--	--	--
		LPB-GL-3	969+12.4	0.09'RT	--	--	1	--	--	--	--	--	--	--	--	--	--	--
		HGL1	970HAB+79.7	19.00'LT	--	--	--	1	--	195	--	1	1	--	--	1	--	--
		JGL1 (1)	972HAB+89.5	19.00'LT	--	--	--	1	--	195	--	1	1	--	--	1	--	--
		HGL2	974HAB+99.5	21.00'LT	--	--	--	1	--	195	--	1	1	--	--	1	--	--
		JGL2	977HAB+03.8	16.49'LT	--	--	--	1	--	195	--	1	1	--	--	1	--	--
		HGL3	979HAB+11.9	SM	--	--	--	--	--	195	--	1	1	--	--	1	--	--
		JGL3	981HAB+19.8	16.48'LT	--	--	--	1	--	195	--	1	1	--	--	1	--	--
		LPB-GL-12	981HAB+11.6	18.48'LT	--	--	1	--	--	--	--	--	--	--	--	--	--	--
		LPB-GL-13	981HAB+11.6	26.50'RT	--	--	1	--	--	--	--	--	--	--	--	--	--	--
		LPB-GL-14	14HA+33.4	38.90'RT	--	--	1	--	--	--	--	--	--	--	--	--	--	--
		LPB-GL-15	14HA+33.3	7.43'LT	--	--	1	--	--	--	--	--	--	--	--	--	--	--
		HGL4/JGL4	14HA+81.1	16.40'LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		HGL5/JGL5	15HA+51.2	16.49'LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		KGL1	963HAA+00.0	SM	--	--	--	--	--	120	--	1	1	--	--	1	--	--

* ADDITIONAL QUANTITIES FOUND ELSEWHERE

(CONTINUED ON NEXT SHEET)

Addendum No. 01
ID 1228-22-71
Revised Sheet 661
April 1, 2021

LIGHTING AND MISCELLANEOUS - FINAL (CONTINUED)

CATEGORY	STAGE	DESCRIPTION	LOCATION		659.0600.1001 UNDERDECK LIGHTING (B-40-1016)	659.0600.1002 UNDERDECK LIGHTING (B-40-1018)	659.1120* LUMINAIRE UTILITY LED B	659.1125 LUMINAIRE UTILITY LED C	659.1130 LUMINAIRE UTILITY LED D	659.1215 LUMINAIRE UNDERDECK LED C	SPV.0060.1008 LUMINAIRES REPLACE EXISTING HPS	SPV.0060.1010 CONCRETE BASES TYPE B	SPV.0060.1011 LUMINAIRES SIGN LED	REMARKS
					LS	LS	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
1100		LPB-GL-7	953+79.0	97.55'RT	--	--	--	--	--	--	--	--	--	
		LPB-GL-6	953+87.5	0.00'LT	--	--	--	--	--	--	--	--	--	
		FGL11	954+82.7	SM	--	--	--	--	1	--	--	--	--	
		EGL11	956+64.2	SM	--	--	--	--	1	--	--	--	--	
		FGL10	958+62.7	SM	--	--	--	--	1	--	--	--	--	
		EGL10	960+56.3	SM	--	--	--	--	1	--	--	--	--	
		EGL3/FGL3	961+41.6	0.00'LT	--	--	--	--	2	--	--	1	--	
		EGL2/FGL2	964+08.1	0.00'LT	--	--	--	--	2	--	--	1	--	
		EGL1/FGL1	966+73.3	0.26'LT	--	--	--	--	2	--	--	1	--	
		LPB-GL-3	969+12.4	0.09'RT	--	--	--	--	--	--	--	--	--	
		EGL16/FGL16	969+37.7	0.14'LT	--	--	--	--	2	--	--	1	--	
		EGL17/FGL17	972+01.7	0.00'RT	--	--	--	--	2	--	--	1	--	
		EGL18/FGL18	974+66.0	0.00'RT	--	--	--	--	2	--	--	1	--	
		EGL19/FGL19	977+00.0	0.00'LT	--	--	--	--	2	--	--	1	--	
		LPB-GL-10	977+15.6	0.00'LT	--	--	--	--	--	--	--	--	--	
		FGL20	980+11.0	SM	--	--	--	--	1	--	--	--	--	
		EGL20	980+11.4	SM	--	--	--	--	1	--	--	--	--	
		FGL21	982+35.5	SM	--	--	--	--	1	--	--	--	--	
		EGL21	982+35.0	SM	--	--	--	--	1	--	--	--	--	
		LPB-GL-1	968+46.1	110.91'LT	--	--	--	--	--	--	--	--	--	
		LPB-GL-2	969+12.7	103.47'LT	--	--	--	--	--	--	--	--	--	
		LPB-GL-3	969+12.4	0.09'RT	--	--	--	--	--	--	--	--	--	
		HGL1 (1)	970HA B+79.7	19.00'LT	--	--	1	--	--	--	--	--	--	
		JGL1 (1)	972HA B+89.5	19.00'LT	--	--	1	--	--	--	--	--	--	
		HGL2 (1)	974HA B+99.5	21.00'LT	--	--	1	--	--	--	--	--	--	
		JGL2	977HA B+03.8	16.49'LT	--	--	1	--	--	--	--	--	--	
		HGL3	979HA B+11.9	SM	--	--	1	--	--	--	--	--	--	
		JGL3	981HA B+19.8	16.48'LT	--	--	1	--	--	--	--	--	--	
		LPB-GL-12	981HA B+11.6	18.48'LT	--	--	--	--	--	--	--	--	--	
		LPB-GL-13	981HA B+11.6	26.50'RT	--	--	--	--	--	--	--	--	--	
		LPB-GL-14	14HA+33.4	38.90'RT	--	--	--	--	--	--	--	--	--	
		LPB-GL-15	14HA+33.3	7.43'LT	--	--	--	--	--	--	--	--	--	
		HGL4/JGL4	14HA+81.1	16.40'LT	--	1	--	--	--	2	--	--	--	UDL ON B-40-1018
		HGL5/JGL5	15HA+51.2	16.49'LT	1	--	--	--	--	2	--	--	--	UDL ON B-40-1016
		KGL1	963HA A+00.0	SM	--	--	1	--	--	--	--	--	--	

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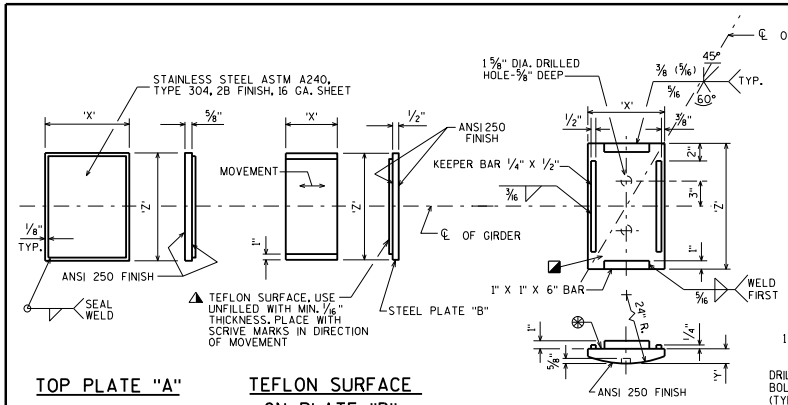
Revised Sheet 662
April 1, 2021

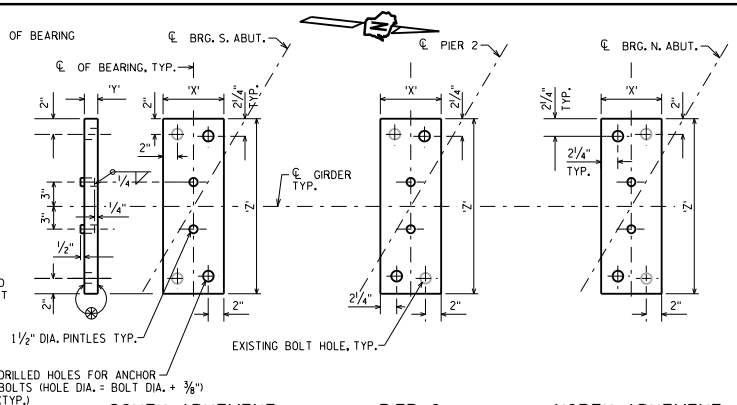
(CONTINUED ON NEXT SHEET)



TOP PLATE "A"

TEFLON SURFACE ON PLATE "B"

ROCKER PLATE "C"



SOUTH ABUTMENT

PIER 2

NORTH ABUTMENT

EXPANSION BEARING

MASONRY PLATE "D"

	PLATE "A"		PLATE "B"		PLATE "C"			PLATE "D"			ANCHOR BOLT SIZE	NO. OF BRG'S REQ'D.	LOCATION
	'X'	'Z'	'X'	'Z'	'X'	'Y'	'Z'	'X'	'Y'	'Z'			
EXPAN. BEARING	11"	10¾"	7"	10¾"	9"	1⅞"	1'-1"	7¾"	1½"	1'-8¾"	(2) - 1¼" DIA. X 1'-5" LONG	14	S. ABUT.
	1'-1"	10¾"	9"	10¾"	11"	2⅜"	1'-1"	9¾"	2"	1'-8¾"	(2) - 1¼" DIA. X 1'-5" LONG	14	PIER 2
	11"	10¾"	7"	10¾"	9"	1⅞"	1'-1"	7¾"	1½"	1'-8¾"	(2) - 1¼" DIA. X 1'-5" LONG	14	N. ABUT.

TABLE OF SHIM 'T' THICKNESS

GIRDERS	1	2	3	4	5	6	7	8	9	10	11	12	13	14
S. ABUT.	-	⅜"	-	⅜"	5/8"	-	-	½"	-	-	-	-	-	-
PIER 2	-	⅜"	-	½"	-	-	-	⅜"	-	⅜"	-	-	-	-
N. ABUT.	-	½"	-	⅜"	-	-	-	⅜"	-	½"	-	-	-	-

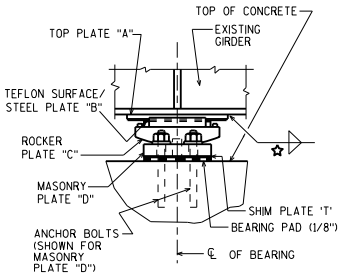
NOTE: PROVIDE SHIM PLATES "T" THE SAME PLAN LENGTH AND WIDTH DIMENSIONS AS MASONRY PLATE "D"

☆TABLE OF FILLET WELD SIZES

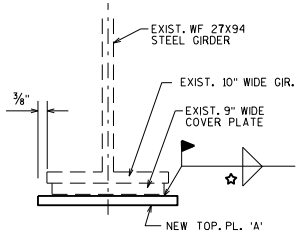
MATERIAL THICKNESS OF THICKER PART JOINED.	+MIN. SIZE OF FILLET WELD
TO ½" INCLUSIVE	⅜"
OVER ½" TO ¾"	¼"
OVER ¾" TO 1½"	△ 5/16"
OVER 1½"	△ ⅜"

+ EXCEPT THAT THE WELD SIZE SHALL NOT EXCEED THE THICKNESS OF THE THINNER PART JOINED.

△MIN. PASS SIZE IS 5/16"



EXPANSION BEARING ASSEMBLY



BEARING REPLACEMENT SECTION DETAIL AT PIER 2

(TEFLON SURFACE, PLATES "B", "C", "D", SHIM PLATE, BEARING PAD, AND ANCHOR BOLTS OMITTED FOR CLARITY.)

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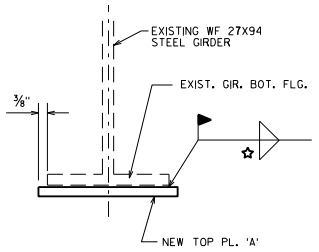
ID 1228-22-71
Revised Sheet 1037
April 1, 2021



BEARING REPLACEMENT SECTION DETAIL AT ABUTMENTS

(TEFLON SURFACE, PLATES "B", "C", "D", SHIM PLATE, BEARING PAD, AND ANCHOR BOLTS OMITTED FOR CLARITY.)

STATE PROJECT NUMBER

1228-22-71

BEARING NOTES

❀ FINISH THESE SURFACES TO ANSI 250 IF 'Y' DIMENSION IS GREATER THAN 2".

ANCHOR BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153, CLASS C.

ANCHOR BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM A709 GRADE 36, OR MATERIAL OF EQUIVALENT YIELD STRENGTH AND ELONGATION.

ALL MATERIAL IN BEARINGS, INCLUDING SHIM PLATES, BUT EXCLUDING STAINLESS STEEL SHEET, TEFLON SURFACE, PINTLES, ANCHOR BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM A709 GRADE 50W.

ALL MATERIAL IN BEARINGS, INCLUDING SHIM PLATES AND BEARING PADS, SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "BEARING ASSEMBLIES EXPANSION B-40-116", EACH.

CHAMFER ANCHOR BOLTS PRIOR TO THREADING.

ALL FINISHED SURFACES SHALL BE MACHINE FINISHED BY AN AUTOMATIC PROCESS.

ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

ALL STRUCTURAL STEEL BEARING PLATES SHALL BE FLAT ROLLED STEEL PLATES WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL.

PROVIDE ⅛" THICK BEARING PAD THE SAME SIZE AS MASONRY PLATE "D" FOR EACH BEARING.

ANCHOR BOLTS SHALL BE THREADED 3". PROVIDE ONE STANDARD WROUGHT WASHER AND ONE HEX NUT PER BOLT. BOLT LENGTH TO BE 1'-5 FOR 1 ¼" DIA. BOLTS. PROJECT ANCHOR BOLTS, MASONRY PLATE "D" THICKNESS + 2¼", ABOVE TOP OF CONCRETE.

CHAMFER TOP OF PINTLES ⅛". DRILL HOLES FOR ALL PINTLES IN MASONRY PLATE "D" FOR A DRIVING FIT.

STEEL PINTLES SHALL CONFORM TO ASTM A449 OR MATERIAL OF EQUIVALENT YIELD STRENGTH AND ELONGATION.

ROCKER PLATE "C" AND MASONRY PLATE "D" SHALL BE GALVANIZED. TOP PLATE "A" AND STEEL PLATE "B" SHALL BE SHOP PAINTED. USE A WELDABLE PRIMER ON TOP PLATE "A". DO NOT PAINT STAINLESS STEEL OR TEFLON SURFACES.

◪ PROVIDE A METHOD FOR HANDLING ROCKER PLATE "C" DURING GALVANIZING.

⚠ BOND STEEL PLATE "B" AND TEFLON WITH ADHESIVE MATERIAL MEETING REQUIREMENTS FOUND IN THE STANDARD SPECIFICATION.

AT INSTALLATION, ENSURE STAINLESS STEEL SLIDING FACE OF THE UPPER ELEMENT AND THE TFE SLIDING FACE OF THE LOWER ELEMENT HAVE THE SURFACE FINISH SPECIFIED AND ARE CLEAN AND FREE OF ALL DUST, MOISTURE, AND OTHER FOREIGN MATTER.

3/30/21

NO.	DATE	REVISION	BY
⚠	3/30/21	BEARING PLATE DIMENSIONS	JJS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-40-116

DRAWN BY JJS | PLANS CK'D. SEW

EXPANSION REPLACEMENT BEARING DETAILS

SHEET 6

1037

SCALE = 1.00

8

8

Proposal ID: 20210413026 **Project(s):** 1228-22-71

Federal ID(s): WISC 2021226

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	201.0105 Clearing	110.000 STA	_____.____	_____.____
0004	201.0120 Clearing	356.000 ID	_____.____	_____.____
0006	201.0205 Grubbing	110.000 STA	_____.____	_____.____
0008	201.0220 Grubbing	356.000 ID	_____.____	_____.____
0010	203.0200 Removing Old Structure (station) 0001. 936+43.30	LS	LUMP SUM	_____.____
0012	203.0200 Removing Old Structure (station) 0002. 966+88	LS	LUMP SUM	_____.____
0014	203.0200 Removing Old Structure (station) 0003. 946+50	LS	LUMP SUM	_____.____
0016	203.0200 Removing Old Structure (station) 0004. 977+00HAB	LS	LUMP SUM	_____.____
0018	203.0200 Removing Old Structure (station) 0005. 936+51	LS	LUMP SUM	_____.____
0020	203.0600.S Removing Old Structure Over Waterway With Minimal Debris (station) 0001. 977+50	LS	LUMP SUM	_____.____
0022	203.0600.S Removing Old Structure Over Waterway With Minimal Debris (station) 0002. 980+00	LS	LUMP SUM	_____.____
0024	204.0100 Removing Concrete Pavement	68,966.000 SY	_____.____	_____.____
0026	204.0109.S Removing Concrete Surface Partial Depth	386.000 SF	_____.____	_____.____
0028	204.0110 Removing Asphaltic Surface	12,866.000 SY	_____.____	_____.____

Proposal ID: 20210413026 **Project(s):** 1228-22-71

Federal ID(s): WISC 2021226

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0030	204.0120 Removing Asphaltic Surface Milling	15,072.000 SY	_____.____	_____.____
0032	204.0150 Removing Curb & Gutter	1,431.000 LF	_____.____	_____.____
0034	204.0155 Removing Concrete Sidewalk	1,290.000 SY	_____.____	_____.____
0036	204.0157 Removing Concrete Barrier	16,692.000 LF	_____.____	_____.____
0038	204.0165 Removing Guardrail	681.000 LF	_____.____	_____.____
0040	204.0170 Removing Fence	11,449.000 LF	_____.____	_____.____
0042	204.0195 Removing Concrete Bases	66.000 EACH	_____.____	_____.____
0044	204.0210 Removing Manholes	14.000 EACH	_____.____	_____.____
0046	204.0220 Removing Inlets	123.000 EACH	_____.____	_____.____
0048	204.0245 Removing Storm Sewer (size) 0001. 12-Inch	3,060.000 LF	_____.____	_____.____
0050	204.0245 Removing Storm Sewer (size) 0002. 15-Inch	1,508.000 LF	_____.____	_____.____
0052	204.0245 Removing Storm Sewer (size) 0003. 18-Inch	1,636.000 LF	_____.____	_____.____
0054	204.0245 Removing Storm Sewer (size) 0004. 21-Inch	59.000 LF	_____.____	_____.____
0056	204.0245 Removing Storm Sewer (size) 0005. 24-Inch	1,968.000 LF	_____.____	_____.____
0058	204.0245 Removing Storm Sewer (size) 0007. 30-Inch	204.000 LF	_____.____	_____.____

Proposal ID: 20210413026 **Project(s):** 1228-22-71

Federal ID(s): WISC 2021226

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0060	204.0250 Abandoning Manholes	4.000 EACH	_____._____	_____._____
0062	204.0280 Sealing Pipes	16.000 EACH	_____._____	_____._____
0064	204.0291.S Abandoning Sewer	149.000 CY	_____._____	_____._____
0066	204.9001.S Removing Advance Flasher Assemblies Type 1	1.000 EACH	_____._____	_____._____
0068	204.9060.S Removing (item description) 0002. Apron Endwall	2.000 EACH	_____._____	_____._____
0070	204.9060.S Removing (item description) 1001. Lighting Units	169.000 EACH	_____._____	_____._____
0072	204.9105.S Removing (item description) 0001. Traffic Signals IH-43 NB Off Ramp & Port Washington Rd	LS	LUMP SUM	_____._____
0074	204.9105.S Removing (item description) 0002. Loop Detector Wire and Lead-in Cable IH-43 NB Off Ramp&Port Washington Rd	LS	LUMP SUM	_____._____
0076	204.9105.S Removing (item description) 0003. Traffic Signals, IH-43 SB On Ramp & W. Hampton Ave.	LS	LUMP SUM	_____._____
0078	205.0100 Excavation Common	183,854.000 CY	_____._____	_____._____
0080	206.1000 Excavation for Structures Bridges (structure) 0001. B-40-1014	LS	LUMP SUM	_____._____
0082	206.1000 Excavation for Structures Bridges (structure) 0002. B-40-1016	LS	LUMP SUM	_____._____
0084	206.1000 Excavation for Structures Bridges (structure) 0003. B-40-1018	LS	LUMP SUM	_____._____

Proposal ID: 20210413026 **Project(s):** 1228-22-71

Federal ID(s): WISC 2021226

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0086	206.1000 Excavation for Structures Bridges (structure) 0004. B-40-1019	LS	LUMP SUM	_____.____
0088	206.1000 Excavation for Structures Bridges (structure) 0005. B-40-1020	LS	LUMP SUM	_____.____
0090	206.1000 Excavation for Structures Bridges (structure) 0006. B-40-1021	LS	LUMP SUM	_____.____
0092	206.2000 Excavation for Structures Culverts (structure) 0001. C-40-111	LS	LUMP SUM	_____.____
0094	206.5000 Cofferdams (structure) 0001. B-40-1016	LS	LUMP SUM	_____.____
0096	206.5000 Cofferdams (structure) 0002. B-40-1018	LS	LUMP SUM	_____.____
0098	208.0100 Borrow	70,968.000 CY	_____.____	_____.____
0100	209.2500 Backfill Granular Grade 2	2,374.000 TON	_____.____	_____.____
0102	210.1500 Backfill Structure Type A	3,859.000 TON	_____.____	_____.____
0104	210.2500 Backfill Structure Type B	3,240.000 TON	_____.____	_____.____
0106	211.0200 Prepare Foundation for Concrete Pavement (project) 0001. 1228-22-71	LS	LUMP SUM	_____.____
0108	213.0100 Finishing Roadway (project) 0001. 1228-22-71	1.000 EACH	_____.____	_____.____
0110	305.0120 Base Aggregate Dense 1 1/4-Inch	54,922.000 TON	_____.____	_____.____
0112	312.0110 Select Crushed Material	97,793.000 TON	_____.____	_____.____
0114	312.0115 Select Crushed Material	16,710.000 CY	_____.____	_____.____

Proposal ID: 20210413026 **Project(s):** 1228-22-71

Federal ID(s): WISC 2021226

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0116	390.0403 Base Patching Concrete Shes	1,394.000 SY	_____.____	_____.____
0118	415.0090 Concrete Pavement 9-Inch	1,094.000 SY	_____.____	_____.____
0120	415.0100 Concrete Pavement 10-Inch	9,448.000 SY	_____.____	_____.____
0122	415.0125 Concrete Pavement 12 1/2-Inch	89,567.000 SY	_____.____	_____.____
0124	415.0410 Concrete Pavement Approach Slab	2,207.000 SY	_____.____	_____.____
0126	415.1080 Concrete Pavement HES 8-Inch	66.000 SY	_____.____	_____.____
0128	415.5110.S Concrete Pavement Joint Layout	1.000 LS	_____.____	_____.____
0130	416.0610 Drilled Tie Bars	2,860.000 EACH	_____.____	_____.____
0132	416.0620 Drilled Dowel Bars	2,609.000 EACH	_____.____	_____.____
0134	455.0605 Tack Coat	2,412.000 GAL	_____.____	_____.____
0136	460.2000 Incentive Density HMA Pavement	2,910.000 DOL	1.00000	2,910.00
0138	460.6224 HMA Pavement 4 MT 58-28 S	1,083.000 TON	_____.____	_____.____
0140	460.7223 HMA Pavement 3 HT 58-28 S	1,757.000 TON	_____.____	_____.____
0142	460.7424 HMA Pavement 4 HT 58-28 H	144.000 TON	_____.____	_____.____
0144	460.8424 HMA Pavement 4 SMA 58-28 H	1,366.000 TON	_____.____	_____.____
0146	465.0105 Asphaltic Surface	184.000 TON	_____.____	_____.____
0148	465.0125 Asphaltic Surface Temporary	5,264.000 TON	_____.____	_____.____

Proposal ID: 20210413026 **Project(s):** 1228-22-71

Federal ID(s): WISC 2021226

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0150	495.1000.S Cold patch	10.000 TON	_____.____	_____.____
0152	501.1000.S Ice Hot Weather Concreting	90,305.000 LB	_____.____	_____.____
0154	502.0100 Concrete Masonry Bridges	8,211.000 CY	_____.____	_____.____
0156	502.3101 Expansion Device	513.000 LF	_____.____	_____.____
0158	502.3200 Protective Surface Treatment	15,306.000 SY	_____.____	_____.____
0160	502.3210 Pigmented Surface Sealer	5,217.000 SY	_____.____	_____.____
0162	502.4205 Adhesive Anchors No. 5 Bar	260.000 EACH	_____.____	_____.____
0164	502.4206 Adhesive Anchors No. 6 Bar	476.000 EACH	_____.____	_____.____
0166	503.0137 Prestressed Girder Type I 36W-Inch	6,218.000 LF	_____.____	_____.____
0168	503.0172 Prestressed Girder Type I 72W-Inch	5,420.000 LF	_____.____	_____.____
0170	504.0100 Concrete Masonry Culverts	341.000 CY	_____.____	_____.____
0172	504.0500 Concrete Masonry Retaining Walls	3,858.000 CY	_____.____	_____.____
0174	505.0400 Bar Steel Reinforcement HS Structures	377,340.000 LB	_____.____	_____.____
0176	505.0600 Bar Steel Reinforcement HS Coated Structures	1,600,745.000 LB	_____.____	_____.____
0178	505.0800.S Bar Steel Reinforcement HS Stainless Structures	12,710.000 LB	_____.____	_____.____
0180	505.0904 Bar Couplers No. 4	16.000 EACH	_____.____	_____.____

Proposal ID: 20210413026 **Project(s):** 1228-22-71

Federal ID(s): WISC 2021226

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0182	505.0905 Bar Couplers No. 5	48.000 EACH	_____.____	_____.____
0184	505.0906 Bar Couplers No. 6	20.000 EACH	_____.____	_____.____
0186	506.0105 Structural Steel Carbon	55.000 LB	_____.____	_____.____
0188	506.2605 Bearing Pads Elastomeric Non-Laminated	196.000 EACH	_____.____	_____.____
0190	506.2610 Bearing Pads Elastomeric Laminated	28.000 EACH	_____.____	_____.____
0192	506.4000 Steel Diaphragms (structure) 0001. B-40-1014	3.000 EACH	_____.____	_____.____
0194	506.4000 Steel Diaphragms (structure) 0002. B-40-1016	72.000 EACH	_____.____	_____.____
0196	506.4000 Steel Diaphragms (structure) 0003. B-40-1018	72.000 EACH	_____.____	_____.____
0198	506.4000 Steel Diaphragms (structure) 0004. B-40-1019	18.000 EACH	_____.____	_____.____
0200	506.4000 Steel Diaphragms (structure) 0005. B-40-1020	22.000 EACH	_____.____	_____.____
0202	506.4000 Steel Diaphragms (structure) 0006. B-40-1021	6.000 EACH	_____.____	_____.____
0204	506.5000 Bearing Assemblies Fixed (structure) 0001. B-40-116	14.000 EACH	_____.____	_____.____
0206	506.6000 Bearing Assemblies Expansion (structure) 0001. B-40-116	42.000 EACH	_____.____	_____.____
0208	506.7050.S Removing Bearings (structure) 0001. B-40-116	56.000 EACH	_____.____	_____.____

Proposal ID: 20210413026 **Project(s):** 1228-22-71

Federal ID(s): WISC 2021226

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0210	509.0301 Preparation Decks Type 1	40.000 SY	_____.____	_____.____
0212	509.0302 Preparation Decks Type 2	25.000 SY	_____.____	_____.____
0214	509.0505.S Cleaning Decks to Reapply Concrete Masonry Overlay	1,384.000 SY	_____.____	_____.____
0216	509.1000 Joint Repair	106.000 SY	_____.____	_____.____
0218	509.1500 Concrete Surface Repair	105.000 SF	_____.____	_____.____
0220	509.2000 Full-Depth Deck Repair	15.000 SY	_____.____	_____.____
0222	509.2500 Concrete Masonry Overlay Decks	79.000 CY	_____.____	_____.____
0224	509.9005.S Removing Concrete Masonry Deck Overlay (structure) 0001. B-40-116	1,384.000 SY	_____.____	_____.____
0226	509.9050.S Cleaning Parapets	260.000 LF	_____.____	_____.____
0228	511.1100 Temporary Shoring	15,730.000 SF	_____.____	_____.____
0230	511.1200 Temporary Shoring (structure) 0001. B-40-1016	1,180.000 SF	_____.____	_____.____
0232	511.1200 Temporary Shoring (structure) 0002. B-40-1018	1,325.000 SF	_____.____	_____.____
0234	511.1200 Temporary Shoring (structure) 0003. B-40-1020	1,925.000 SF	_____.____	_____.____
0236	516.0500 Rubberized Membrane Waterproofing	590.000 SY	_____.____	_____.____
0238	516.0610.S Sheet Membrane Waterproofing for Top Slab (structure) 4000. C-40-111	400.000 SY	_____.____	_____.____

Proposal ID: 20210413026 **Project(s):** 1228-22-71

Federal ID(s): WISC 2021226

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0240	517.1800.S Structure Repainting Recycled Abrasive (structure) 0001. B-40-116	LS	LUMP SUM	_____.____
0242	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0001. B-40-116	LS	LUMP SUM	_____.____
0244	517.6001.S Portable Decontamination Facility	1.000 EACH	_____.____	_____.____
0246	520.8000 Concrete Collars for Pipe	29.000 EACH	_____.____	_____.____
0248	522.1018 Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	1.000 EACH	_____.____	_____.____
0250	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	3.000 EACH	_____.____	_____.____
0252	522.1030 Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	3.000 EACH	_____.____	_____.____
0254	522.1048 Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	1.000 EACH	_____.____	_____.____
0256	531.1100 Concrete Masonry Ancillary Structures Type NS	148.000 CY	_____.____	_____.____
0258	531.1140 Steel Reinforcement HS Ancillary Structures Type NS	11,844.000 LB	_____.____	_____.____
0260	531.1160 Steel Reinforcement HS Coated Ancillary Structures Type NS	14,250.000 LB	_____.____	_____.____
0262	531.2024 Drilling Shaft 24-Inch	18.000 LF	_____.____	_____.____
0264	531.2030 Drilling Shaft 30-Inch	24.000 LF	_____.____	_____.____
0266	531.2036 Drilling Shaft 36-Inch	186.000 LF	_____.____	_____.____

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0268	531.4050 Foundation Camera Pole 50-FT	1.000 EACH	_____.____	_____.____
0270	531.8990 Anchor Assemblies Poles on Structures	30.000 EACH	_____.____	_____.____
0272	532.5020 Butterfly 2-Chord NS (structure) 0001. S-40-3022	1.000 EACH	_____.____	_____.____
0274	532.5020 Butterfly 2-Chord NS (structure) 0002. S-40-3023	1.000 EACH	_____.____	_____.____
0276	532.6010 Truss Cantilever 4-Chord Type I (structure) 0001. S-40-3018	1.000 EACH	_____.____	_____.____
0278	532.6010 Truss Cantilever 4-Chord Type I (structure) 0002. S-40-3019	1.000 EACH	_____.____	_____.____
0280	532.6020 Truss Cantilever 4-Chord Type II (structure) 0003. S-40-3020	1.000 EACH	_____.____	_____.____
0282	532.6020 Truss Cantilever 4-Chord Type II (structure) 0004. S-40-3021	1.000 EACH	_____.____	_____.____
0284	541.0300.S Noise Barriers Double-Sided Sound Absorptive (structure) 0001. N-40-94	10,172.000 SF	_____.____	_____.____
0286	541.0300.S Noise Barriers Double-Sided Sound Absorptive (structure) 0002. N-40-95	15,382.000 SF	_____.____	_____.____
0288	541.0300.S Noise Barriers Double-Sided Sound Absorptive (structure) 0003. N-40-96	6,359.000 SF	_____.____	_____.____
0290	550.0500 Pile Points	234.000 EACH	_____.____	_____.____
0292	550.1100 Piling Steel HP 10-Inch X 42 Lb	4,035.000 LF	_____.____	_____.____
0294	550.1120 Piling Steel HP 12-Inch X 53 Lb	3,750.000 LF	_____.____	_____.____

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0296	601.0322 Concrete Curb & Gutter 22-Inch	169.000 LF	_____.____	_____.____
0298	601.0331 Concrete Curb & Gutter 31-Inch	361.000 LF	_____.____	_____.____
0300	601.0409 Concrete Curb & Gutter 30-Inch Type A	2,861.000 LF	_____.____	_____.____
0302	601.0551 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type A	2,133.000 LF	_____.____	_____.____
0304	601.0600 Concrete Curb Pedestrian	461.000 LF	_____.____	_____.____
0306	602.0410 Concrete Sidewalk 5-Inch	18,880.000 SF	_____.____	_____.____
0308	602.0415 Concrete Sidewalk 6-Inch	3,851.000 SF	_____.____	_____.____
0310	602.0505 Curb Ramp Detectable Warning Field Yellow	338.000 SF	_____.____	_____.____
0312	603.0105 Concrete Barrier Single-Faced 32-Inch	2,894.000 LF	_____.____	_____.____
0314	603.1142 Concrete Barrier Type S42	14,198.000 LF	_____.____	_____.____
0316	603.1156 Concrete Barrier Type S56	775.000 LF	_____.____	_____.____
0318	603.1342 Concrete Barrier Type S42B	50.000 LF	_____.____	_____.____
0320	603.1442 Concrete Barrier Type S42C	1,304.000 LF	_____.____	_____.____
0322	603.1456 Concrete Barrier Type S56C	482.000 LF	_____.____	_____.____
0324	603.3113 Concrete Barrier Transition Type NJ32SF to S36	3.000 EACH	_____.____	_____.____
0326	603.3535 Concrete Barrier Transition Type S36 to S42	3.000 EACH	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0328	603.3559 Concrete Barrier Transition Type S42 to S56	7.000 EACH	_____.____	_____.____
0330	603.8000 Concrete Barrier Temporary Precast Delivered	39,700.000 LF	_____.____	_____.____
0332	603.8125 Concrete Barrier Temporary Precast Installed	44,276.000 LF	_____.____	_____.____
0334	604.0400 Slope Paving Concrete	839.000 SY	_____.____	_____.____
0336	604.0500 Slope Paving Crushed Aggregate	2,130.000 SY	_____.____	_____.____
0338	606.0200 Riprap Medium	65.000 CY	_____.____	_____.____
0340	606.0300 Riprap Heavy	1,390.000 CY	_____.____	_____.____
0342	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	28.000 LF	_____.____	_____.____
0344	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	1,301.000 LF	_____.____	_____.____
0346	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	2,384.000 LF	_____.____	_____.____
0348	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	5,692.000 LF	_____.____	_____.____
0350	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	1,806.000 LF	_____.____	_____.____
0352	608.0336 Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	516.000 LF	_____.____	_____.____
0354	608.0348 Storm Sewer Pipe Reinforced Concrete Class III 48-Inch	203.000 LF	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0356	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	131.000 LF	_____.____	_____.____
0358	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	985.000 LF	_____.____	_____.____
0360	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	404.000 LF	_____.____	_____.____
0362	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	2,034.000 LF	_____.____	_____.____
0364	608.0430 Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	78.000 LF	_____.____	_____.____
0366	608.0448 Storm Sewer Pipe Reinforced Concrete Class IV 48-Inch	47.000 LF	_____.____	_____.____
0368	608.0518 Storm Sewer Pipe Reinforced Concrete Class V 18-Inch	261.000 LF	_____.____	_____.____
0370	608.0524 Storm Sewer Pipe Reinforced Concrete Class V 24-Inch	1,267.000 LF	_____.____	_____.____
0372	608.2424 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	204.000 LF	_____.____	_____.____
0374	608.2429 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch	599.000 LF	_____.____	_____.____
0376	608.2434 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 34x53-Inch	243.000 LF	_____.____	_____.____
0378	611.0430 Reconstructing Inlets	7.000 EACH	_____.____	_____.____
0380	611.0535 Manhole Covers Type J-Special	35.000 EACH	_____.____	_____.____

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0382	611.0606 Inlet Covers Type B	25.000 EACH	_____.____	_____.____
0384	611.0610 Inlet Covers Type BW	4.000 EACH	_____.____	_____.____
0386	611.0612 Inlet Covers Type C	4.000 EACH	_____.____	_____.____
0388	611.0624 Inlet Covers Type H	12.000 EACH	_____.____	_____.____
0390	611.0627 Inlet Covers Type HM	21.000 EACH	_____.____	_____.____
0392	611.0636 Inlet Covers Type HM-S	4.000 EACH	_____.____	_____.____
0394	611.0639 Inlet Covers Type H-S	5.000 EACH	_____.____	_____.____
0396	611.0642 Inlet Covers Type MS	15.000 EACH	_____.____	_____.____
0398	611.0651 Inlet Covers Type S	10.000 EACH	_____.____	_____.____
0400	611.0654 Inlet Covers Type V	94.000 EACH	_____.____	_____.____
0402	611.2004 Manholes 4-FT Diameter	17.000 EACH	_____.____	_____.____
0404	611.2005 Manholes 5-FT Diameter	36.000 EACH	_____.____	_____.____
0406	611.2006 Manholes 6-FT Diameter	12.000 EACH	_____.____	_____.____
0408	611.2007 Manholes 7-FT Diameter	5.000 EACH	_____.____	_____.____
0410	611.2008 Manholes 8-FT Diameter	3.000 EACH	_____.____	_____.____
0412	611.3004 Inlets 4-FT Diameter	107.000 EACH	_____.____	_____.____
0414	611.3220 Inlets 2x2-FT	3.000 EACH	_____.____	_____.____

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0416	611.3225 Inlets 2x2.5-FT	28.000 EACH	_____.____	_____.____
0418	611.3901 Inlets Median 1 Grate	3.000 EACH	_____.____	_____.____
0420	611.3902 Inlets Median 2 Grate	6.000 EACH	_____.____	_____.____
0422	611.8120.S Cover Plates Temporary	7.000 EACH	_____.____	_____.____
0424	611.9800.S Pipe Grates	2.000 EACH	_____.____	_____.____
0426	612.0106 Pipe Underdrain 6-Inch	16,159.000 LF	_____.____	_____.____
0428	612.0406 Pipe Underdrain Wrapped 6-Inch	8,120.000 LF	_____.____	_____.____
0430	614.0805 Crash Cushions Permanent Low Maintenance	2.000 EACH	_____.____	_____.____
0432	614.0905 Crash Cushions Temporary	8.000 EACH	_____.____	_____.____
0434	614.2300 MGS Guardrail 3	284.000 LF	_____.____	_____.____
0436	614.2500 MGS Thrie Beam Transition	197.100 LF	_____.____	_____.____
0438	614.2610 MGS Guardrail Terminal EAT	4.000 EACH	_____.____	_____.____
0440	616.0206 Fence Chain Link 6-FT	11,434.000 LF	_____.____	_____.____
0442	616.0329 Gates Chain Link (width) 0001. 6-FT	1.000 EACH	_____.____	_____.____
0444	616.0329 Gates Chain Link (width) 0002. 12-FT	9.000 EACH	_____.____	_____.____
0446	619.1000 Mobilization	1.000 EACH	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0448	620.0300 Concrete Median Sloped Nose	506.000 SF	_____.____	_____.____
0450	623.0200 Dust Control Surface Treatment	134,678.000 SY	_____.____	_____.____
0452	624.0100 Water	753.000 MGAL	_____.____	_____.____
0454	627.0200 Mulching	2,766.000 SY	_____.____	_____.____
0456	628.1104 Erosion Bales	21.000 EACH	_____.____	_____.____
0458	628.1504 Silt Fence	19,906.000 LF	_____.____	_____.____
0460	628.1520 Silt Fence Maintenance	19,906.000 LF	_____.____	_____.____
0462	628.1905 Mobilizations Erosion Control	33.000 EACH	_____.____	_____.____
0464	628.1910 Mobilizations Emergency Erosion Control	33.000 EACH	_____.____	_____.____
0466	628.2004 Erosion Mat Class I Type B	16,439.000 SY	_____.____	_____.____
0468	628.2027 Erosion Mat Class II Type C	82,765.000 SY	_____.____	_____.____
0470	628.6510 Soil Stabilizer Type B	1.000 ACRE	_____.____	_____.____
0472	628.7005 Inlet Protection Type A	595.000 EACH	_____.____	_____.____
0474	628.7010 Inlet Protection Type B	16.000 EACH	_____.____	_____.____
0476	628.7015 Inlet Protection Type C	98.000 EACH	_____.____	_____.____
0478	628.7020 Inlet Protection Type D	697.000 EACH	_____.____	_____.____
0480	628.7504 Temporary Ditch Checks	15.000 LF	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0482	628.7570 Rock Bags	500.000 EACH	_____.____	_____.____
0484	629.0210 Fertilizer Type B	38.000 CWT	_____.____	_____.____
0486	630.0120 Seeding Mixture No. 20	2,428.000 LB	_____.____	_____.____
0488	630.0200 Seeding Temporary	2,500.000 LB	_____.____	_____.____
0490	630.0500 Seed Water	1,346.000 MGAL	_____.____	_____.____
0492	633.5200 Markers Culvert End	8.000 EACH	_____.____	_____.____
0494	634.0618 Posts Wood 4x6-Inch X 18-FT	58.000 EACH	_____.____	_____.____
0496	634.0622 Posts Wood 4x6-Inch X 22-FT	24.000 EACH	_____.____	_____.____
0498	634.0816 Posts Tubular Steel 2x2-Inch X 16-FT	11.000 EACH	_____.____	_____.____
0500	635.0200 Sign Supports Structural Steel HS	8,350.000 LB	_____.____	_____.____
0502	637.1220 Signs Type I Reflective SH	2,090.500 SF	_____.____	_____.____
0504	637.2210 Signs Type II Reflective H	1,000.665 SF	_____.____	_____.____
0506	637.2230 Signs Type II Reflective F	224.500 SF	_____.____	_____.____
0508	638.2101 Moving Signs Type I	1.000 EACH	_____.____	_____.____
0510	638.2102 Moving Signs Type II	33.000 EACH	_____.____	_____.____
0512	638.2601 Removing Signs Type I	15.000 EACH	_____.____	_____.____
0514	638.2602 Removing Signs Type II	75.000 EACH	_____.____	_____.____

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0516	638.3000 Removing Small Sign Supports	56.000 EACH	_____.____	_____.____
0518	638.3100 Removing Structural Steel Sign Supports	12.000 EACH	_____.____	_____.____
0520	640.1303.S Pond Liner Clay	1,839.000 CY	_____.____	_____.____
0522	643.0300 Traffic Control Drums	378,385.000 DAY	_____.____	_____.____
0524	643.0420 Traffic Control Barricades Type III	45,632.000 DAY	_____.____	_____.____
0526	643.0705 Traffic Control Warning Lights Type A	73,948.000 DAY	_____.____	_____.____
0528	643.0715 Traffic Control Warning Lights Type C	73,733.000 DAY	_____.____	_____.____
0530	643.0800 Traffic Control Arrow Boards	3,705.000 DAY	_____.____	_____.____
0532	643.0900 Traffic Control Signs	348,816.000 DAY	_____.____	_____.____
0534	643.0910 Traffic Control Covering Signs Type I	621.000 EACH	_____.____	_____.____
0536	643.0920 Traffic Control Covering Signs Type II	509.000 EACH	_____.____	_____.____
0538	643.1000 Traffic Control Signs Fixed Message	283.500 SF	_____.____	_____.____
0540	643.1050 Traffic Control Signs PCMS	2,835.000 DAY	_____.____	_____.____
0542	643.1100.S Dynamic Late Merge System	545.000 DAY	_____.____	_____.____
0544	643.4100.S Traffic Control Interim Lane Closure	2,000.000 EACH	_____.____	_____.____
0546	643.5000 Traffic Control	1.000 EACH	_____.____	_____.____
0548	644.1601 Temporary Pedestrian Curb Ramp	1,242.000 DAY	_____.____	_____.____

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0550	644.1810 Temporary Pedestrian Barricade	366.000 LF	_____.____	_____.____
0552	645.0111 Geotextile Type DF Schedule A	378.000 SY	_____.____	_____.____
0554	645.0120 Geotextile Type HR	2,380.000 SY	_____.____	_____.____
0556	645.0220 Geogrid Type SR	33,854.000 SY	_____.____	_____.____
0558	646.1020 Marking Line Epoxy 4-Inch	1,490.000 LF	_____.____	_____.____
0560	646.1040 Marking Line Grooved Wet Ref Epoxy 4-Inch	53,495.000 LF	_____.____	_____.____
0562	646.1555 Marking Line Grooved Contrast Permanent Tape 4-Inch	11,187.000 LF	_____.____	_____.____
0564	646.3020 Marking Line Epoxy 8-Inch	587.000 LF	_____.____	_____.____
0566	646.3555 Marking Line Grooved Contrast Permanent Tape 8-Inch	9,871.000 LF	_____.____	_____.____
0568	646.5020 Marking Arrow Epoxy	9.000 EACH	_____.____	_____.____
0570	646.5120 Marking Word Epoxy	2.000 EACH	_____.____	_____.____
0572	646.5220 Marking Symbol Epoxy	2.000 EACH	_____.____	_____.____
0574	646.6120 Marking Stop Line Epoxy 18-Inch	245.000 LF	_____.____	_____.____
0576	646.6220 Marking Yield Line Epoxy 18-Inch	15.000 EACH	_____.____	_____.____
0578	646.7120 Marking Diagonal Epoxy 12-Inch	5,310.000 LF	_____.____	_____.____
0580	646.7220 Marking Chevron Epoxy 24-Inch	1,004.000 LF	_____.____	_____.____

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0582	646.7420 Marking Crosswalk Epoxy Transverse Line 6-Inch	955.000 LF	_____.____	_____.____
0584	646.8120 Marking Curb Epoxy	240.000 LF	_____.____	_____.____
0586	646.8220 Marking Island Nose Epoxy	6.000 EACH	_____.____	_____.____
0588	646.9000 Marking Removal Line 4-Inch	1,187.000 LF	_____.____	_____.____
0590	646.9010 Marking Removal Line Water Blasting 4-Inch	309,822.000 LF	_____.____	_____.____
0592	646.9200 Marking Removal Line Wide	136.000 LF	_____.____	_____.____
0594	646.9300 Marking Removal Special Marking	2.000 EACH	_____.____	_____.____
0596	649.0120 Temporary Marking Line Epoxy 4-Inch	392,385.000 LF	_____.____	_____.____
0598	649.0150 Temporary Marking Line Removable Tape 4-Inch	7,099.000 LF	_____.____	_____.____
0600	649.0220 Temporary Marking Line Epoxy 8-Inch	21,416.000 LF	_____.____	_____.____
0602	649.0250 Temporary Marking Line Removable Tape 8-Inch	260.000 LF	_____.____	_____.____
0604	649.0760 Temporary Marking Raised Pavement Marker Type I	1,025.000 EACH	_____.____	_____.____
0606	649.0960 Temporary Marking Removable Mask Out Tape 6-Inch	224.000 LF	_____.____	_____.____
0608	652.0125 Conduit Rigid Metallic 2-Inch	969.000 LF	_____.____	_____.____
0610	652.0210 Conduit Rigid Nonmetallic Schedule 40 1-Inch	349.000 LF	_____.____	_____.____

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0612	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	23,644.000 LF	_____.____	_____.____
0614	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	1,991.000 LF	_____.____	_____.____
0616	652.0605 Conduit Special 2-Inch	52.000 LF	_____.____	_____.____
0618	652.0615 Conduit Special 3-Inch	951.000 LF	_____.____	_____.____
0620	652.0700.S Install Conduit into Existing Item	7.000 EACH	_____.____	_____.____
0622	652.0800 Conduit Loop Detector	1,433.000 LF	_____.____	_____.____
0624	653.0135 Pull Boxes Steel 24x36-Inch	7.000 EACH	_____.____	_____.____
0626	653.0140 Pull Boxes Steel 24x42-Inch	47.000 EACH	_____.____	_____.____
0628	653.0220 Junction Boxes 18x6x6-Inch	21.000 EACH	_____.____	_____.____
0630	653.0222 Junction Boxes 18x12x6-Inch	36.000 EACH	_____.____	_____.____
0632	653.0905 Removing Pull Boxes	64.000 EACH	_____.____	_____.____
0634	654.0101 Concrete Bases Type 1	6.000 EACH	_____.____	_____.____
0636	654.0102 Concrete Bases Type 2	4.000 EACH	_____.____	_____.____
0638	654.0105 Concrete Bases Type 5	12.000 EACH	_____.____	_____.____
0640	654.0106 Concrete Bases Type 6	1.000 EACH	_____.____	_____.____
0642	654.0108 Concrete Bases Type 8	13.000 EACH	_____.____	_____.____

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0644	654.0110 Concrete Bases Type 10	1.000 EACH	_____.____	_____.____
0646	654.0120 Concrete Bases Type 10-Special	1.000 EACH	_____.____	_____.____
0648	654.0217 Concrete Control Cabinet Bases Type 9 Special	1.000 EACH	_____.____	_____.____
0650	654.0224 Concrete Control Cabinet Bases Type L24	1.000 EACH	_____.____	_____.____
0652	654.0230 Concrete Control Cabinet Bases Type L30	4.000 EACH	_____.____	_____.____
0654	655.0148 Cable In Duct 4-8 AWG	1,666.000 LF	_____.____	_____.____
0656	655.0230 Cable Traffic Signal 5-14 AWG	1,094.000 LF	_____.____	_____.____
0658	655.0240 Cable Traffic Signal 7-14 AWG	1,222.000 LF	_____.____	_____.____
0660	655.0260 Cable Traffic Signal 12-14 AWG	659.000 LF	_____.____	_____.____
0662	655.0320 Cable Type UF 2-10 AWG Grounded	353.000 LF	_____.____	_____.____
0664	655.0510 Electrical Wire Traffic Signals 12 AWG	40.000 LF	_____.____	_____.____
0666	655.0515 Electrical Wire Traffic Signals 10 AWG	9,167.000 LF	_____.____	_____.____
0668	655.0610 Electrical Wire Lighting 12 AWG	22,258.000 LF	_____.____	_____.____
0670	655.0620 Electrical Wire Lighting 8 AWG	119,785.000 LF	_____.____	_____.____
0672	655.0625 Electrical Wire Lighting 6 AWG	2,108.000 LF	_____.____	_____.____
0674	655.0700 Loop Detector Lead In Cable	4,577.000 LF	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0676	655.0800 Loop Detector Wire	4,478.000 LF	_____._____	_____._____
0678	655.0900 Traffic Signal EVP Detector Cable	560.000 LF	_____._____	_____._____
0680	656.0200 Electrical Service Meter Breaker Pedestal (location) 0001. IH-43 NB Off Ramp & Port Washington Rd	LS	LUMP SUM	_____._____
0682	656.0400 Electrical Service Main Lugs Only Meter Pedestal (location) 1001. HL-40-CA	LS	LUMP SUM	_____._____
0684	656.0400 Electrical Service Main Lugs Only Meter Pedestal (location) 1002. HL-40-GL	LS	LUMP SUM	_____._____
0686	656.0400 Electrical Service Main Lugs Only Meter Pedestal (location) 1003. HL-40-CT	LS	LUMP SUM	_____._____
0688	656.0400 Electrical Service Main Lugs Only Meter Pedestal (location) 1004. HL-40-BP	LS	LUMP SUM	_____._____
0690	656.0400 Electrical Service Main Lugs Only Meter Pedestal (location) 1005. TA1	LS	LUMP SUM	_____._____
0692	656.0500 Electrical Service Breaker Disconnect Box (location) 2001. EX-CCTV-40-0076	LS	LUMP SUM	_____._____
0694	657.0100 Pedestal Bases	4.000 EACH	_____._____	_____._____
0696	657.0210 Transformer Bases Breakaway 15-17 Inch Bolt Circle	51.000 EACH	_____._____	_____._____
0698	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	26.000 EACH	_____._____	_____._____
0700	657.0305 Poles Type 2	2.000 EACH	_____._____	_____._____
0702	657.0310 Poles Type 3	2.000 EACH	_____._____	_____._____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0704	657.0322 Poles Type 5-Aluminum	21.000 EACH	_____.____	_____.____
0706	657.0327 Poles Type 6-Aluminum	1.000 EACH	_____.____	_____.____
0708	657.0375 Poles Type A	38.000 EACH	_____.____	_____.____
0710	657.0380 Poles Type E	13.000 EACH	_____.____	_____.____
0712	657.0405 Traffic Signal Standards Aluminum 3.5-FT	1.000 EACH	_____.____	_____.____
0714	657.0420 Traffic Signal Standards Aluminum 13-FT	3.000 EACH	_____.____	_____.____
0716	657.0605 Luminaire Arms Single Member 4 1/2-Inch Clamp 4-FT	17.000 EACH	_____.____	_____.____
0718	657.0609 Luminaire Arms Single Member 4-Inch Clamp 6-FT	2.000 EACH	_____.____	_____.____
0720	657.0615 Luminaire Arms Single Member 4 1/2-Inch Clamp 8-FT	5.000 EACH	_____.____	_____.____
0722	657.0620 Luminaire Arms Single Member 6-Inch Clamp 4-FT	66.000 EACH	_____.____	_____.____
0724	658.0171 Traffic Signal Face 1S 12-Inch	2.000 EACH	_____.____	_____.____
0726	658.0173 Traffic Signal Face 3S 12-Inch	10.000 EACH	_____.____	_____.____
0728	658.0174 Traffic Signal Face 4S 12-Inch	1.000 EACH	_____.____	_____.____
0730	658.0416 Pedestrian Signal Face 16-Inch	4.000 EACH	_____.____	_____.____
0732	658.0500 Pedestrian Push Buttons	5.000 EACH	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0734	658.5069 Signal Mounting Hardware (location) 0001. IH-43 NB Off Ramp & Port Washington Rd	LS	LUMP SUM	_____._____
0736	658.5069 Signal Mounting Hardware (location) 0002. IH 43 SB On Ramp & W. Hampton Ave.	LS	LUMP SUM	_____._____
0738	659.0600 Underdeck Lighting (location) 1001. B-40-1016	LS	LUMP SUM	_____._____
0740	659.0600 Underdeck Lighting (location) 1002. B-40-1018	LS	LUMP SUM	_____._____
0742	659.1120 Luminaires Utility LED B	26.000 EACH	_____._____	_____._____
0744	659.1125 Luminaires Utility LED C	5.000 EACH	_____._____	_____._____
0746	659.1130 Luminaires Utility LED D	88.000 EACH	_____._____	_____._____
0748	659.1205 Luminaires Underdeck LED A	8.000 EACH	_____._____	_____._____
0750	659.1215 Luminaires Underdeck LED C	18.000 EACH	_____._____	_____._____
0752	659.2124 Lighting Control Cabinets 120/240 24-Inch	1.000 EACH	_____._____	_____._____
0754	659.2230 Lighting Control Cabinets 240/480 30-Inch	4.000 EACH	_____._____	_____._____
0756	670.0100 Field System Integrator 0001. Signals	LS	LUMP SUM	_____._____
0758	670.0100 Field System Integrator 2001. FTMS	LS	LUMP SUM	_____._____
0760	670.0200 ITS Documentation 0001. Signals	LS	LUMP SUM	_____._____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0762	670.0200 ITS Documentation 2001. FTMS	LS	LUMP SUM	_____.____
0764	671.0132 Conduit HDPE 3-Duct 2-Inch	5,150.000 LF	_____.____	_____.____
0766	671.0232 Conduit HDPE Directional Bore 3-Duct 2-Inch	2,070.000 LF	_____.____	_____.____
0768	673.0105 Communication Vault Type 1	13.000 EACH	_____.____	_____.____
0770	673.0225.S Install Pole Mounted Cabinet	1.000 EACH	_____.____	_____.____
0772	674.0200 Cable Microwave Detector	1,525.000 LF	_____.____	_____.____
0774	674.0300 Remove Cable	12,440.000 LF	_____.____	_____.____
0776	675.0100 Install Controller Ramp Meter Processor Assembly	1.000 EACH	_____.____	_____.____
0778	675.0300 Install Mounted Controller Microwave Detector Assembly	7.000 EACH	_____.____	_____.____
0780	677.0150 Install Camera Pole 50-FT	1.000 EACH	_____.____	_____.____
0782	677.0200 Install Camera Assembly	1.000 EACH	_____.____	_____.____
0784	677.9051.S Removing 50-FT Camera Pole	1.000 EACH	_____.____	_____.____
0786	677.9200.S Removing CCTV Camera	1.000 EACH	_____.____	_____.____
0788	678.0006 Install Fiber Optic Cable Outdoor Plant 6-CT	530.000 LF	_____.____	_____.____
0790	678.0072 Install Fiber Optic Cable Outdoor Plant 72-CT	8,235.000 LF	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0792	678.0200 Fiber Optic Splice Enclosure	1.000 EACH	_____.____	_____.____
0794	678.0300 Fiber Optic Splice	448.000 EACH	_____.____	_____.____
0796	678.0400 Fiber Optic Termination	18.000 EACH	_____.____	_____.____
0798	678.0500 Communication System Testing 0001. Signals	LS	LUMP SUM	_____.____
0800	678.0500 Communication System Testing 2001. FTMS	LS	LUMP SUM	_____.____
0802	678.0600 Install Ethernet Switches	5.000 EACH	_____.____	_____.____
0804	690.0150 Sawing Asphalt	100.000 LF	_____.____	_____.____
0806	690.0250 Sawing Concrete	13,340.000 LF	_____.____	_____.____
0808	715.0415 Incentive Strength Concrete Pavement	30,696.000 DOL	1.00000	30,696.00
0810	715.0502 Incentive Strength Concrete Structures	75,528.000 DOL	1.00000	75,528.00
0812	715.0603 Incentive Strength Concrete Barrier	9,918.000 DOL	1.00000	9,918.00
0814	715.0710 Optimized Aggregate Gradation Incentive	132,102.000 DOL	1.00000	132,102.00
0816	740.0440 Incentive IRI Ride	22,791.000 DOL	1.00000	22,791.00
0818	ASP.1T0A On-the-Job Training Apprentice at $5.00/HR	1,400.000 HRS	5.00000	7,000.00
0820	ASP.1T0G On-the-Job Training Graduate at $5.00/HR	17,280.000 HRS	5.00000	86,400.00

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0822	SPV.0045 Special 0001. Temporary Detectable Warning Field	542.000 DAY	_____.____	_____.____
0824	SPV.0060 Special 0001. Concrete Barrier Transition Type G1	1.000 EACH	_____.____	_____.____
0826	SPV.0060 Special 0002. Concrete Barrier Transition Type G2	1.000 EACH	_____.____	_____.____
0828	SPV.0060 Special 0003. Marking Contrast Epoxy Special Marking Arrow	11.000 EACH	_____.____	_____.____
0830	SPV.0060 Special 0004. Marking Contrast Epoxy Special Marking Word	6.000 EACH	_____.____	_____.____
0832	SPV.0060 Special 0006. Baseline CPM Progress Schedule	1.000 EACH	_____.____	_____.____
0834	SPV.0060 Special 0007. Monthly CPM Progess Schedule Updates	36.000 EACH	_____.____	_____.____
0836	SPV.0060 Special 0008. Concrete Barrier Transition Type M1	2.000 EACH	_____.____	_____.____
0838	SPV.0060 Special 0120. Mobilizations Emergency Pavement Repair	10.000 EACH	_____.____	_____.____
0840	SPV.0060 Special 0603. Exposing Existing Infrastructure Paved Area	5.000 EACH	_____.____	_____.____
0842	SPV.0060 Special 0604. Exposing Existing Infrastructure Unpaved Area	5.000 EACH	_____.____	_____.____
0844	SPV.0060 Special 0910. Traffic Control Close-Open Freeway Entrance Ramp	400.000 EACH	_____.____	_____.____
0846	SPV.0060 Special 0916. Traffic Control Local Road Lane Closure	100.000 EACH	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0848	SPV.0060 Special 0940. Emergency Response To Traffic Incident Involving Conc Barrier Temporary	40.000 EACH	_____.____	_____.____
0850	SPV.0060 Special 0945. Emergency Response To Traffic Incident Involving Crash Cushions	10.000 EACH	_____.____	_____.____
0852	SPV.0060 Special 1003. Wood Pole Lighting 60-Foot	48.000 EACH	_____.____	_____.____
0854	SPV.0060 Special 1004. Wood Poles 60-Foot	3.000 EACH	_____.____	_____.____
0856	SPV.0060 Special 1005. Removing Poles Wood 60-Foot and Floodlights	48.000 EACH	_____.____	_____.____
0858	SPV.0060 Special 1006. Removing Poles Wood 60-Foot	3.000 EACH	_____.____	_____.____
0860	SPV.0060 Special 1007. Luminaires Floodlight 400W HPS	51.000 EACH	_____.____	_____.____
0862	SPV.0060 Special 1008. Luminaires Replace Existing HPS	43.000 EACH	_____.____	_____.____
0864	SPV.0060 Special 1009. Removing Electrical Service Meter Breaker Pedestal Lighting	4.000 EACH	_____.____	_____.____
0866	SPV.0060 Special 1010. Concrete Bases Type B	15.000 EACH	_____.____	_____.____
0868	SPV.0060 Special 1011. Luminaires Sign LED	1.000 EACH	_____.____	_____.____
0870	SPV.0060 Special 1012. Luminaires Tunnel Lighting LED	8.000 EACH	_____.____	_____.____
0872	SPV.0060 Special 1014. Junction Boxes 4x4x4-Inch	8.000 EACH	_____.____	_____.____
0874	SPV.0060 Special 2000. Removing Electrical Service Meter Breaker Pedestral	1.000 EACH	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0876	SPV.0060 Special 2001. Removing Controller Cabinet	2.000 EACH	_____.____	_____.____
0878	SPV.0060 Special 2002. Removing Controller Cabinet Base	2.000 EACH	_____.____	_____.____
0880	SPV.0060 Special 2004. Removing Ramp Control Signal Assebly Sidemount	2.000 EACH	_____.____	_____.____
0882	SPV.0060 Special 2005. Removing Communication Vault	6.000 EACH	_____.____	_____.____
0884	SPV.0060 Special 2006. Removing Electrical Service Breaker Disconnect Box	1.000 EACH	_____.____	_____.____
0886	SPV.0060 Special 2013. Ground Rod	2.000 EACH	_____.____	_____.____
0888	SPV.0060 Special 2020. Signal Assembly Ramp Control Sidemount	2.000 EACH	_____.____	_____.____
0890	SPV.0060 Special 2022. Signal Assembly Advance Flasher Type 1	1.000 EACH	_____.____	_____.____
0892	SPV.0060 Special 2023. Communication Vault Adjustment	1.000 EACH	_____.____	_____.____
0894	SPV.0060 Special 2024. Installing Portable Video Surveillance System	1.000 EACH	_____.____	_____.____
0896	SPV.0060 Special 2025. Temporary 5.8 GHZ Ethernet Bridge	1.000 EACH	_____.____	_____.____
0898	SPV.0060 Special 2026. Refocus Vehicle Detector Assembly	10.000 EACH	_____.____	_____.____
0900	SPV.0060 Special 3001. Install Poles Type 9	1.000 EACH	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0902	SPV.0060 Special 3002. Install Poles Type 9 Special	1.000 EACH	_____.____	_____.____
0904	SPV.0060 Special 3003. Install Monotube Arms 30-FT	1.000 EACH	_____.____	_____.____
0906	SPV.0060 Special 3004. Install Monotube Arms 40-FT Special	1.000 EACH	_____.____	_____.____
0908	SPV.0060 Special 4000. Embedded Galvanic Anodes	175.000 EACH	_____.____	_____.____
0910	SPV.0060 Special 4001. Ultrasonic Impact Treatment Procedure	84.000 EACH	_____.____	_____.____
0912	SPV.0060 Special 4002. Anchor Assemblies Noise Barrier Structures R-40-712	9.000 EACH	_____.____	_____.____
0914	SPV.0060 Special 4003. Anchor Assemblies Noise Barrier Structures R-40-713	64.000 EACH	_____.____	_____.____
0916	SPV.0060 Special 4004. Anchor Assemblies Noise Barrier Structures B-40-1020	13.000 EACH	_____.____	_____.____
0918	SPV.0060 Special 4005. Maintenance Doors	1.000 EACH	_____.____	_____.____
0920	SPV.0060 Special 6001. Sign Support Special Mounting	8.000 EACH	_____.____	_____.____
0922	SPV.0060 Special 7001. Adjusting Water Boxes	4.000 EACH	_____.____	_____.____
0924	SPV.0060 Special 7002. Adjusting Water Manholes	2.000 EACH	_____.____	_____.____
0926	SPV.0060 Special 8002. Manholes 9-FT Special	2.000 EACH	_____.____	_____.____
0928	SPV.0060 Special 8003. Manholes 10-FT Special	1.000 EACH	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0930	SPV.0060 Special 8004. Pipe Connection to Existing Structure	9.000 EACH	_____.____	_____.____
0932	SPV.0060 Special 8005. Removing Bulkhead	15.000 EACH	_____.____	_____.____
0934	SPV.0060 Special 8006. Lake Tower Pond Outlet Storm Sewer Structure	1.000 EACH	_____.____	_____.____
0936	SPV.0060 Special 8007. Oak Leaf Pond Outlet Storm Sewer Structure	1.000 EACH	_____.____	_____.____
0938	SPV.0060 Special 8008. Slip-In Check Valve for 36-Inch Diameter Pipe	1.000 EACH	_____.____	_____.____
0940	SPV.0060 Special 8009. Slip-In Check Valve for 48-Inch Diameter Pipe	1.000 EACH	_____.____	_____.____
0942	SPV.0075 Special 0001. Pavement Cleanup Project (1228-22-71)	1,500.000 HRS	_____.____	_____.____
0944	SPV.0090 Special 0001. Concrete Curb & Gutter 4-Inch Sloped 60-Inch Type A	3,455.000 LF	_____.____	_____.____
0946	SPV.0090 Special 0002. Concrete Barrier Type S42C Special	133.000 LF	_____.____	_____.____
0948	SPV.0090 Special 1001. Cable Aerial Aluminum 6 AWG Quadruplex	7,589.000 LF	_____.____	_____.____
0950	SPV.0090 Special 1002. Cable Aerial Aluminum 6 AWG Triplex	1,255.000 LF	_____.____	_____.____
0952	SPV.0090 Special 3000. Fiber Optic Warning Tape	46.000 LF	_____.____	_____.____
0954	SPV.0090 Special 4000. Removing Existing Steel Piling	80.000 LF	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0956	SPV.0090 Special 4010. Remove Existing Timber Piling	360.000 LF	_____.____	_____.____
0958	SPV.0090 Special 8001. Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class IV 38x60-	68.000 LF	_____.____	_____.____
0960	SPV.0090 Special 8025. Pipe Underdrain Exploration	100.000 LF	_____.____	_____.____
0962	SPV.0090 Special 8026. Storm Sewer Lateral Exploration	100.000 LF	_____.____	_____.____
0964	SPV.0090 Special 8027. Precast Trench Drain	267.000 LF	_____.____	_____.____
0966	SPV.0105 Special 0001. Survey Project (1228-22-71)	LS	LUMP SUM	_____.____
0968	SPV.0105 Special 0002. Temporary Causeway	LS	LUMP SUM	_____.____
0970	SPV.0105 Special 1001. Maintenance of Lighting System	LS	LUMP SUM	_____.____
0972	SPV.0105 Special 1002. Lighting System Intergrator	LS	LUMP SUM	_____.____
0974	SPV.0105 Special 3000. Trnspt & Inst State Furn Traffic Sig Cabinet IH-43 NB Off Ramp & Port Wash	LS	LUMP SUM	_____.____
0976	SPV.0105 Special 3001. Trnspt & Inst State Furn Radar Detect Sys IH-43 NB Off Ramp & Port Wash	LS	LUMP SUM	_____.____
0978	SPV.0105 Special 3002. Trnspt Traffic Sig & Inter Lighting Materials IH-43 NB Off Ramp &Port Wash	LS	LUMP SUM	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0980	SPV.0105 Special 3003. Trnspt & Inst State Furn EVP Heads IH-43 NB Off Ramp & Port Wash	LS	LUMP SUM	_____.____
0982	SPV.0105 Special 3004. Install Fiber Optic Communications in Cabinet S40-1207	LS	LUMP SUM	_____.____
0984	SPV.0105 Special 4000. Removing Sign Bridge S-40-381	LS	LUMP SUM	_____.____
0986	SPV.0105 Special 4001. Removing Sign Bridge S-40-383	LS	LUMP SUM	_____.____
0988	SPV.0105 Special 4002. Removing Sign Bridge S-40-803	LS	LUMP SUM	_____.____
0990	SPV.0105 Special 4003. Removing Sign Bridge S-40-848	LS	LUMP SUM	_____.____
0992	SPV.0105 Special 4004. Removing Sign Bridge S-40-849	LS	LUMP SUM	_____.____
0994	SPV.0105 Special 4005. Removing Sign Bridge S-40-981	LS	LUMP SUM	_____.____
0996	SPV.0105 Special 4006. Removing Sign Bridge S-40-228	LS	LUMP SUM	_____.____
0998	SPV.0105 Special 4007. Removing Sign Bridge S-40-229	LS	LUMP SUM	_____.____
1000	SPV.0105 Special 8001. Control of Water Storm Sewer	LS	LUMP SUM	_____.____
1002	SPV.0105 Special 8002. Dewatering for Detention Basin Construction	LS	LUMP SUM	_____.____
1004	SPV.0135 Special 0110. Field Office Special	35.000 MON	_____.____	_____.____

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1006	SPV.0135 Special 0601. Vibration Monitoring	32.000 MON	_____.____	_____.____
1008	SPV.0165 Special 4000. Removing Loose Concrete	420.000 SF	_____.____	_____.____
1010	SPV.0165 Special 4001. Temporary Wall Wire Faced Mechanically Stabilized Earth	25,124.000 SF	_____.____	_____.____
1012	SPV.0165 Special 4002. Wall Concrete Panel Mechanically Stabilized Earth R-40-706	12,118.000 SF	_____.____	_____.____
1014	SPV.0165 Special 4003. Wall Concrete Panel Mechanically Stabilized Earth R-40-707	16,073.000 SF	_____.____	_____.____
1016	SPV.0165 Special 4004. Wall Concrete Panel Mechanically Stabilized Earth R-40-709	5,489.000 SF	_____.____	_____.____
1018	SPV.0165 Special 4005. Wall Concrete Panel Mechanically Stabilized Earth R-40-710	2,600.000 SF	_____.____	_____.____
1020	SPV.0165 Special 4006. Wall Concrete Panel Mechanically Stabilized Earth R-40-711	1,520.000 SF	_____.____	_____.____
1022	SPV.0165 Special 4007. Wall Concrete Panel Mechanically Stabilized Earth R-40-712	9,520.000 SF	_____.____	_____.____
1024	SPV.0165 Special 4008. Wall Concrete Panel Mechanically Stabilized Earth R-40-713	36,500.000 SF	_____.____	_____.____
1026	SPV.0180 Special 0301. Topsoil Special	59,939.000 SY	_____.____	_____.____
1028	SPV.0195 Special 0001. Management of Contaminated Soil and Contaminated Sediment	15,431.000 TON	_____.____	_____.____
1030	SPV.0195 Special 4000. Select Crushed Material for Travel Corridor	30.000 TON	_____.____	_____.____
1032	611.0420 Reconstructing Manholes	3.000 EACH	_____.____	_____.____

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Proposal Line Number	Item ID / Description	Approximate Quantity and Units	Unit Price	Bid Amount
1034	649.0520	4.000		
	Temporary Marking Arrow Epoxy	EACH	_____.____	_____.____
	Section: 0001		**Total:**	_____.____
			Total Bid:	_____.____