Wisconsin Department of Transportation

Division of Transportation Systems Development
Bureau of Project Development
4802 Sheboygan Avenue, Rm 601
P O Box 7916
Madison, WI 53707-7916

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

March 6, 2018

NOTICE TO ALL CONTRACTORS:

Proposal #12: 1228-16-71, WISC 2018 142
North South Freeway
Green Tree Rd Bridge B-40-0149
IH 043
Milwaukee County

Letting of March 13, 2018

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

Special Provisions:

Revised Special Provisions	
Article No.	Description
3	Prosecution and Progress
4	Traffic
7	Utilities
51	Tieback Anchors, Item SPV.0060.02; Tieback Anchors Performance Tests, Item SPV.0060.03; Tieback Anchors Extended Creep Tests, Item SPV.0060.04.
64	Structure Modification MMSD DC0406, Item SPV.0105.02

Added Special Provisions	
Article No.	Description
69	Vibration Monitoring, Item SPV.0135.01
70	Backfill Controlled Low Strength, Item 209.0200.S
71	Slope Paving Crushed Aggregate Special, Item SPV.0180.02.
72	Removing Electrical Wires from Conduit, Item 204.9090.S
73	Removing Nicolet Ped Tunnel Entrances, Item 204.9105.S
74	Flowable Fill, Item SPV.0035.01

Deleted Special Provisions	
Article No.	Description
44	QMP Base Aggregate Dense 1 1/4-Inch Compaction, Item 371.1000.S

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
204.0170	Removing Fence	LF	490	107	597
204.0210	Removing Manholes	EACH	4	1	5
204.0220	Removing Inlets	EACH	16	1	17
205.0100	Excavation Common	CY	16,082	50	16,132
208.0100	Borrow	CY	3,087	220	3,307
305.0120	Base Aggregate Dense 1-1/4-Inch	TON	9,305	144	9,449
460.6223	HMA Pavement 3MT 58-28 S	TON	2,305	2	2,307
460.6224	HMA Pavement 4MT 58-28 S	TON	1,556	2	1,558
512.0500	Piling Sheet Steel Permanent Delivered	SF	16,620	420	17,040
512.0600	Piling Sheet Steel Permanent Driven	SF	16,620	420	17,040
611.0420	Reconstruct Manhole	EACH	2	2	4
611.0530	Manhole Covers Type J	EACH	3	-1	2
611.0535	Manhole Covers Type J-Special	EACH	7	1	8
611.2004	Manholes 4-FT Diameter	EACH	2	4	6
611.3225	Inlets 2x2.5-FT	EACH	13	-3	10
611.3230	Inlets 2x3-FT	EACH	6	-1	5
611.9900.S	Drain Slotted Vane	EACH	6	-4	2
616.0206	Fence Chain Link 6-FT	LF	940	45	985
616.0700.S	Fence Safety	LF	15	350	365
628.2002	Erosion Mat Class 1 Type A	SY	3,396	620	4,016
628.7005	Inlet Protection Type A	EACH	38	-10	28
630.0120	Seeding Mixture No 20	LBS	268	17	285
690.0250	Sawing Concrete	LF	201	154	355

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
201.0120	Clearing	ID	0	24	24
201.0220	Grubbing	ID	0	24	24
204.0155	Removing Sidewalk	SY	0	700	700
204.0280	Sealing Pipes	EACH	0	3	3
204.9090.S.01	Removing Electrical Wires from Conduit	LF	0	250	250
204.9105.S.01	Removing Nicolet Ped Tunnel Entrances	LS	0	1	1
209.0200.S	Backfill Controlled Low Strength	CY	0	22	22
416.1715	Concrete Pavement Repair SHES	SY	0	33	33
SPV.0035.01	Flowable Fill	CY	0	380	380
SPV.0135.01	Vibration Monitoring	MON	0	7	7
SPV.0180.02	Slope Paving Crushed Aggregate Special	SY	0	770	770

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
371.1000.S	QMP Base Aggregate Dense 1-1/4-Inch Compaction	TON	9,305	-9,305	0
604.0500	Slope Paving Crushed Aggregate	SY	770	-770	0

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
08	Typical Section: NB 43 inside shoulder width
09	Construction Details: Added note regarding the underdrain inlet cores
10	Construction Details: Added detail for storm pipe crossing NB 43
17	Removals: NB 43 inside shoulder removal limits
19	Removals: NB 43 inside shoulder removal limits
28	Plan Details: NB 43 inside shoulder width, pavement material NB 43 pipe crossing
35	Paving Grades: NB 43 inside shoulder
36	Paving Grades: NB 43 inside shoulder
40	Curb Ramp Details: Fixing elevation error
41	Curb Ramp Details:
48	Erosion Control: Eliminated type A inlet protection in various locations
50	Erosion Control: Eliminated type A inlet protection in various locations
51	Erosion Control: Eliminated type A inlet protection in various locations
54	Erosion Control: Eliminated type A inlet protection in various locations
55	Erosion Control: Eliminated type A inlet protection in various locations
58	Storm Sewer: Various changes the plans and/or profiles
59	Storm Sewer: Various changes the plans and/or profiles
60	Storm Sewer: Various changes the plans and/or profiles
61	Storm Sewer: Various changes the plans and/or profiles
63	Storm Sewer: Various changes the plans and/or profiles
64	Storm Sewer: Various changes the plans and/or profiles
65	Storm Sewer: Various changes the plans and/or profiles
66	Storm Sewer: Various changes the plans and/or profiles
102	Traffic Control: Updated exhibit to reflect wider construction zone in the median shoulder
109	Traffic Control St1A: Traffic configuration shifted east to allow for more workzone near median
112	Traffic Control St1A: Details regarding the abandonment of the pedestrian crossing
114	Traffic Control St1A: Traffic configuration shifted east to allow for more workzone near median
115	Traffic Control St1A: Traffic configuration shifted east to allow for more workzone near median
164	Misc Quantities: Removing sidewalk table added
165	Misc Quantities: Common excavation totals updated
166	Misc Quantities: Base aggregate dense totals updated
167	Misc Quantities: Concrete items added for the pipe crossing IH-43
168	Misc Quantities: Asphalt totals updated for the NB 43 inside shoulder
175	Misc Quantities: Inlet protection type A eliminated at various locations
178	Misc Quantities: Column added for drain slotted vanes
181	Misc Quantities: Vibration monitoring added
183	Misc Quantities: Storm sewer structures, various updates
184	Misc Quantities: Storm sewer structures, various updates
185	Misc Quantities: Storm sewer structures, various updates
186	Misc Quantities: Storm sewer structures, various updates
187	Misc Quantities: Storm sewer pipes, pipe slope updates
355	Structure Plans: Change to epoxy slope paving
357	Structure Plans: Change to epoxy slope paving
384	Structure Plans: Change to epoxy slope paving
408	Earthwork Tables: Update to I-43 NB median shoulder, additional cut
440	Cross Sections – IH43: Update to the I-43 NB median shoulder

441	Cross Sections – IH43: Update to the I-43 NB median shoulder
442	Cross Sections – IH43: Update to the I-43 NB median shoulder
443	Cross Sections – IH43: Update to the I-43 NB median shoulder

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
15A	Construction Details: Abandon existing pedestrian culvert crossing
15B	Construction Details: Abandon existing pedestrian culvert crossing
15C	Construction Details: Abandon existing pedestrian culvert crossing
188A	Misc. Quantities: Added quantity tables for the pedestrian crossing abandonment

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

1228-16-71

March 6, 2018

Special Provisions

3. Prosecution and Progress.

Add the following after paragraph one under section titled **Anticipated Schedule***:*

Do not begin work to the pedestrian culvert crossing abandonment prior to a minimum of 2 (two) weeks after construction activities have begun to allow traffic to normalize on Jean Nicolet Road.

Replace entire section titled **Definitions** *with the following:*

Definitions

Lane:
A lane is defined as 12-feet wide unless otherwise shown on the plans.

Short Term Closure:
A roadway closure that is a maximum of 3 calendar days

Peak Travel Periods on Southbound I-43:

- 6:00 AM to 9:00 PM Monday, Tuesday, Wednesday, and Thursday
- 6:00 AM to 12:00 PM Friday
- 7:00 AM to 9:00 PM Saturday
- 7:00 AM to 10:00 PM Sunday

Peak Travel Periods on Northbound I-43:

- 6:00 AM to 10:00 PM Monday, Tuesday, Wednesday, and Thursday
- 6:00 AM to 12:00 PM Friday
- 7:00 AM to 9:00 PM Saturday
- 7:00 AM to 10:00 PM Sunday

Available Lane Closures Northbound I-43:

- 10:00 PM to 6:00 AM (Sunday PM to Monday AM, Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM)
- 12:00 AM to 7:00 AM (Friday Midnight to Saturday AM)
- 9:00 PM to 7:00 AM (Saturday PM to Sunday AM)

Available Lane Closures Southbound I-43:

- 9:00 PM to 6:00 AM (Sunday PM to Monday AM, Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM)
- 12:00 AM to 7:00 AM (Friday Midnight to Saturday AM)
- 9:00 PM to 7:00 AM (Saturday PM to Sunday AM)

Allowable Full Roadway Closure Northbound and Southbound I-43:

- 10:00 PM to 5:00 AM (Sunday PM to Monday AM, Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM)
- 12:00 AM to 7:00 AM (Friday Midnight to Saturday AM, Saturday Midnight to Sunday AM)

Extended Full Roadway Closure Northbound and Southbound I-43:

- 11:00 PM to 9:00 AM (Friday PM to Saturday AM or Saturday PM to Sunday AM)

Add the following after paragraph two under section titled **Interim Liquidated Damages***:*

Complete all work and coordination measures necessary to complete the abandonment of existing pedestrian culvert crossing C-40-020 prior to 12:01 AM May 21, 2018.

If the contractor fails to complete all work and coordination measures necessary to complete the abandonment of existing pedestrian culvert crossing C-40-020 by 12:01 AM May 21st, 2018, the department will assess the contractor $2,000 in interim liquidated damages for each calendar day that the pedestrian culvert abandonment is not completed. An entire calendar day will be charged for any period of time within a calendar day that the work to complete the pedestrian culvert abandonment is not complete for the remainder of the contract.

4. Traffic.

Replace entire section titled **F.1 IH 43 Mainline and SB Good Hope Onramp** *with the following:*

F.1 IH 43 Mainline and SB Good Hope Onramp

Full freeway closures will be permitted during time frames as discussed within the Procession and Progress as defined within paragraph labeled “Allowable Full Roadway Closure Northbound and Southbound I-43.”

- Four nighttime full closures allowed for NB I-43 during Stage 1A for the installation of a storm sewer pipe within the NB I-43 inside shoulder.
- Two nighttime full closures allowed for I-43 during Stage 2A for removal of existing bridge and retaining wall. These closures may include both NB I-43 and SB I-43 during the same nighttime closure.
- Six nighttime full closures allowed for NB I-43 during Stage 2B and/or Stage 3 to set girders, deck forming, deck slab, and sidewalks.
- Six nighttime full closures allowed for SB I-43 during Stage 2B and/or Stage 3 to set girders, deck forming, deck slab, and sidewalks.

Single lane freeway closures will be allowed during all stages during time frames as discussed within the Procession and Progress as defined within paragraph labeled “Available Lane Closures Northbound I-43” and “Available Lane Closures Southbound I-43.”

Southbound Good Hope onramp will be fully closed for 90 days as specified within the Prosecution and Progress. Additional closures outside of this window will not be allowed.

Extended full freeway closures will be permitted on a limited basis during time frames as discussed within the Procession and Progress as defined within paragraph labeled “Extended Full Roadway Closure Northbound and Southbound I-43.”

- One extended full closure allowed during Stage 1A to install storm sewer crossing NB I-43 travel lanes.
- One extended full closures allowed during Stage 2A to remove the existing Green Tree bridge and SB IH-43 retaining wall. Closure may include both NB and SB directions of I-43.

7. Utilities

Replace the fifth bullet item under section titled **WE Energies – Electric** *with the following:*

- An existing overhead electric line beginning at a pole at Station 35GT+38, 47'LT and running easterly to a pole at Station 37GT+02, 44'LT where it turns and runs northeasterly to a pole at Station 37GT+82, 102'LT. From there it turns east-southeasterly, crossing IH 43 at Station 1132+66, to a pole at Station 39GT+93, 68'LT and continuing to a pole at Station 41GT+28, 47' LT and continuing to a pole at Station 41GT+50, 42'LT. From there it turns and runs easterly to a pole at Station 42GT+19, 43'LT and continuing to a pole at Station 42GT+63, 41'LT and continuing to beyond the project limits. This line will remain in place without adjustment. When driving sheeting for retaining wall R-40-641 near the pole at Station 39GT+93, 68'LT, We Energies will de-energize the overhead line from this pole running westerly to Station 37GT+82, 102'LT and easterly to Station 41GT+29, 46'LT only for a maximum period of 2 weeks. We Energies reserves the right to re-energize this overhead line in case of emergency. Contact Ken Franecki (414-944-5531 office / 262-939-1039 cell) of We Energies 7 days in advance to coordinate the outages for this overhead line.

44. DELETED.

51. Tieback Anchors, Item SPV.0060.02; Tieback Anchors Performance Tests, Item SPV.0060.03; Tieback Anchors Extended Creep Tests, Item SPV.0060.04.

Replace A.1(3) with the following:

(3) The contractor has the option to provide an alternate permanent earth anchor system with the approval of the department. The contractor shall then be responsible for selecting the permanent earth anchor type, method of installation, and for determining the bond length and anchor diameter that shall develop the factored design loads indicated on the plans. The analysis, design, construction and testing of the post tiebacks shall conform to the AASHTO LRFD Bridge Design Specifications Seventh Edition with 2015 and 2016 Interims and the AASHTO LRFD Bridge Construction Specifications 4th Edition, 2017.

Replace section C.3.2(4) with the following:

(4) **Performance Test Schedule**

Load
AL
0.25 FDL*
AL
0.25 FDL
0.50 FDL*
AL
0.25 FDL
0.50 FDL
0.75 FDL*
AL
0.25 FDL
0.50 FDL
0.75 FDL
1.00 FDL*
AL

0.25 FDL 0.50 FDL 0.75 FDL 1.00 FDL 1.20 FDL* AL 0.25 FDL 0.50 FDL 0.75 FDL 1.00 FDL 1.20 FDL 1.33 FDL* (Max. test load) Reduce to lock-off load – 0.60 FDL

Where, AL = Alignment Load
FDL = Factored Design Load for Tieback
* = Graph required

Replace section C.3.3(3) with the following:

(3) **Proof Test Schedule**

Load
AL 0.25 FDL 0.50 FDL 0.75 FDL 1.00 FDL 1.20 FDL 1.33 FDL (Max. test load) Reduce to lock-off load – 0.60 FDL

Where, AL = Alignment Load
FDL = Factored Design Load for Tieback

Replace section C.3.4(4) with the following:

(4) **Extended Creep Test Schedule**

Load	Observation Period (min.)
AL	
0.25 FDL	10
0.50 FDL	30
0.75 FDL	30
1.00 FDL	45
1.20 FDL	60
1.33 FDL	300

- Where, AL = Alignment Load

FDL = Factored Design Load for Tieback

- Reduce to lock-off load – 0.60 FDL

64. Structure Modification MMSD DC0406, Item SPV.0105.02

Replace paragraph two under section titled **B Materials** *with the following:*

Furnish grade A, A-FA, A-S, A-T, A-IS, A-IP, or A-IT concrete conforming to 501 as modified in 716. Provide QMP for class III ancillary concrete as specified in 716. The concrete for shall have a 28-day compressive strength of at least 4,500 psi.

69. Vibration Monitoring, Item SPV. 0135.01.

A Description

This special provision describes developing a vibration monitoring plan, deploying seismographs for continuous monitoring and recording, documentation, and reporting.

B (Vacant)

C Construction

C.1 General

Vibration Monitoring establishes vibration recordings at the closest affected locations beginning the first day of operations for various vibration inducing activities identified herein and lasting the entire duration of said activities unless monitored readings are sufficiently below nuisance limits in Figure 1 and engineer determines that continued monitoring will be at the contractor's discretion without further payment.

C.2 Equipment

Utilize a seismograph meeting the requirements of Wisconsin Department of Safety and Professional Services SPS307.43. Utilize monitoring equipment with an instantaneous alert notification system that consists of a text message or an e-mail alert message automatically sent anytime the nuisance limits in Figure 1 are exceeded.

C.3 Preconstruction Survey

The engineer will conduct preconstruction surveys of structures that may be potentially affected by vibration prior to any work. The engineer will visually inspect and record all existing defects in the structures before construction. Photographs or video may be used to assist in documentation.

The contractor will conduct and document pre-construction surveys of any additional nearby buildings or structures not identified by the engineer at no additional cost. Submit a certified letter to the affected property owners, asking to make an appointment to view their building. Do the same for the post-construction inspection. The letter will indicate that if the property owner won't allow for inspections to the property, pre and post-construction, they have no right to file a claim after the project is complete. Provide results to engineer prior to construction. Any damage resulting from excessive vibration-causing operations or claims of damage during construction is the responsibility of the contractor to resolve.

C.4 Monitoring Plan

Submit a monitoring plan that includes the following:

- Location of each vibration-inducing activity to be monitored.
- Locations at which the approved seismographs will be placed.
- Anticipated vibration levels at the closest building(s) or other sensitive facility during the various activities.
- Anticipated monitoring duration for each monitoring location.
- Maximum allowable vibration limits.
- Mitigation plan to reduce potentially excessive vibration levels to acceptable limits.

Obtain the engineer's acceptance seven calendar days before any vibration-inducing activity for the project.

C.5 Monitoring and Recording

Monitor the following operations:

- Bridge and sign bridge pile driving or bridge demolition.
- Sheet pile installation and removal.
- MSE wall compaction.
- Asphalt compaction.
- Pavement breaking.
- All compaction activities utilizing large vibratory rollers.
- Any other activities that may cause vibration damage to adjacent buildings, structures, or utilities.
- Other operations as directed by the Engineer.

Ensure that a qualified person operates and continuously monitors the vibration monitoring equipment. If any vibration levels exceed the nuisance levels shown, immediately halt the vibration-inducing work, and notify the engineer.

Monitor between the construction vibration source and the closest structure or other sensitive facility subject to vibration damage, and as close as practical to the subject structure or facility. Monitor vibration levels in accordance to Figure 1 and SPS 307.43.

Compare the measured peak particle velocity and frequency data to the nuisance limits specified in Figure 1. Record peak particle velocity and frequency in three mutually perpendicular directions.

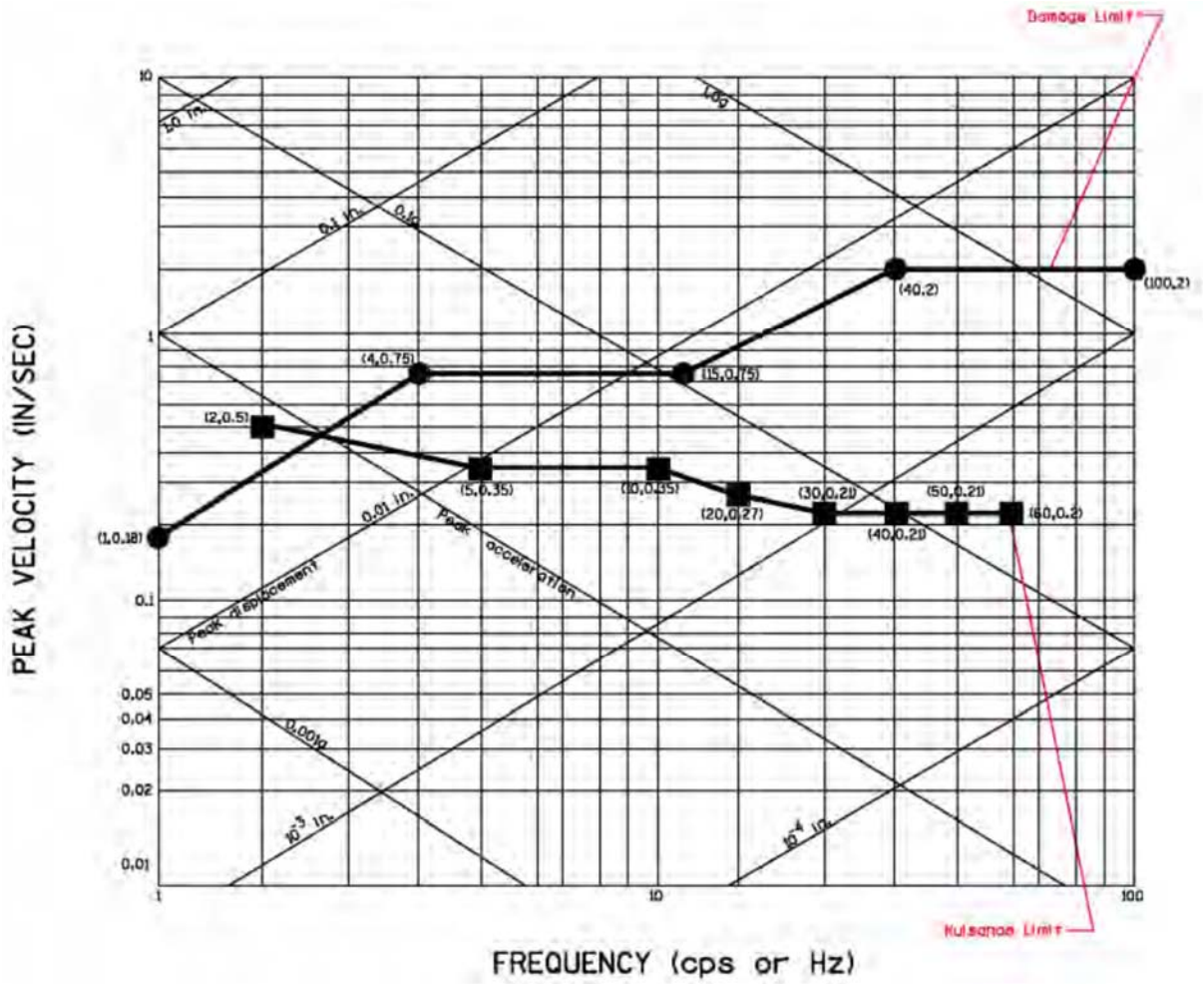


Figure 1: Amplitude of Vertical Vibrations

C.6 Reporting

Furnish a weekly bound report of data recorded at each location to the engineer by 4:00 PM CST every Friday. Additionally, provide a separate daily report documenting any work that was halted prior to the next vibration-causing workday. Include the following in both reports:

- Date vibration monitoring operations began for each location with an associated compilation of total days currently monitored at each site.
- Identification of vibration inducing activities monitored each day at each location.
- Serial number of vibration monitoring instrument used and record of latest calibration.
- Description of contractor's equipment.
- Name of qualified observer and interpreter.
- Distance and direction of recording station from vibration source.
- Surficial material type at recording station.
- Principal frequency and particle velocity in each component direction.
- Copy of records of seismograph readings, dated and signed by the person qualified to perform vibration monitoring.
- Contractor documentation of any operational changes necessary to reduce vibration levels below nuisance levels.

D Measurement

The department will measure Vibration Monitoring by months, or partial months where applicable, for each seismograph monitoring site acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV. 0135.01	Vibration Monitoring	MON

Payment of the item Vibration Monitoring is full compensation for providing, setting up and removal of recording unit, an approved vibration monitoring plan, continuous monitoring and recording vibrations, and reporting. No payment for Vibration Monitoring will be paid for without agreement on recommended locations.

70. Backfill Controlled Low Strength, Item 209.0200.S

A Description

This special provision describes furnishing and placing a controlled low strength material designed for use as backfill in trenches for culverts, sewers, utilities, or similar structures, as backfill behind bridges abutments, or as fill for the abandonment of culverts, pipes, or tanks.

B Materials

Provide controlled low strength backfill that consists of a designed cementitious mixture of natural or processed materials. Allowable materials include natural sand, natural gravel, produced sand, foundry sand, produced gravel, fly ash, Portland cement, and other broken or fragmented mineral materials. The designed mixture shall be self-leveling and shall be free of shrinkage after hardening. Design the mixture to reach a state of hardening such that it can support foot traffic in no more than 24 hours. Provide a mixture that also meets the following requirements.

TEST	METHOD	VALUE
Flow (inch)	ASTM D-6103	9 min
Compressive Strength (psi)	ASTM D-6024	20-40 @ 14 days 40-80 @ 28 days 80-120 @ 90 days

Chemical admixtures to control air content and setting time are allowable. Ten days before placement, furnish the engineer with a design mix detailing all components and their proportions in the mix. Also, provide documentation from the supplier of the industrial byproducts that the foundry sand and fly ash used in the mixture meet the requirements for Industrial Byproducts Categories 1, 2, 3, or 4 in NR 538 of the Wisconsin Administrative Code for use as a confined geotechnical fill.

C Construction

Place controlled low strength backfill at the locations and to the lines and grades as shown on the plan. Proportion and mix materials to produce a product of consistent texture and flow characteristics. The engineer may reject any materials exhibiting a substantial change in properties, appearance, or composition.

If the official Weather Bureau forecast for the construction site predicts temperatures at or below freezing within the next 24 hours after placement of controlled low strength backfill, protect the placed materials from freezing during that time period. If the temperature is not forecast to rise above

40º F for 72 hours after placement, the engineer may require protection from freezing for up to 72 hours.

No controlled low strength backfill shall be allowed to enter any stream, lake, or sewer system. The contractor shall be responsible for any clean up or remediation costs resulting from such occurrences.

D Measurement

The department will measure Backfill Controlled Low Strength in volume by the cubic yard of material placed and accepted. Such volume shall be computed from actual measurements of the dimensions of the area to be backfilled. In irregular or inaccessible areas, the engineer may allow volume to be determined by other appropriate methods.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
209.0200.S	Backfill Controlled Low Strength	CY

Payment is full compensation for designing the mix; supplying all materials; preparing the proportioned mix; hauling it to the construction site; placing the material; and protecting it from freezing.
stp-209-010 (20090901)

71. Slope Paving Crushed Aggregate Special, Item SPV.0180.02.

A Description

This special provision describes furnishing, crushing and placing aggregate for slope paving and applying an epoxy resin binder with the aggregate, as the plans show, conforming to the applicable provisions of standard spec 604, and as modified in this special provision.

B Materials

B.1 General

Use a low modulus, medium-viscosity, two-component epoxy resin binder.

Furnish evidence, to the satisfaction of the engineer, that the proposed product has been successfully used in a similar application.

Epoxy resin binder shall be clear to light amber when fully cured.

Use Wisconsin crushed aggregate limestone with 100 percent fractured faces and hues of tan, amber and gray conforming to the following nominal requirements:

SIEVE SIZE	PERCENT PASSING (by weight)
4-Inch	100
1-Inch	0-25

B.2 Minimum Requirements

Furnish epoxy resin binder material conforming to ASTM C-881 and AASHTO M-235 specifications and the following requirements:

Total water absorption, ASTM D-570

- 7 day, 1.3% (2 hour boil)

- 14 day, 0.232% (24 hour immersion)
- Viscosity: 2,500 cps

C. Construction

C.1 Base Preparation

A week prior to placing crushed aggregate, strip all vegetation and humus-bearing soil. Bring the grade to the required lines, elevations, and slopes shown on the plans. Remove twigs, cobbles, foreign material, and clods that cannot be broken down. Install and securely anchor weed barrier fabric in accordance with standard spec 632.

C.2 Application

Apply the epoxy resin binder material uniformly over the surface of the paving at a rate just sufficient to ensure penetration and binding of the particles in the upper 2 inches of the entire aggregate blanket conforming to the manufacturer's recommended rate and procedures. Use a two part sprayer with mixing completed at the nozzle to apply the binder. Avoid excessive application of epoxy resin binder and prevent material run-off. Protect the surface of adjacent structures, barriers, and pavement to prevent splattering or discoloration by epoxy resin binder, and within a timeframe acceptable to the engineer, remove all material accumulations at the foot of the slope paving.

Apply and mix epoxy resin binder under dry conditions only. Do not apply if rain is expected within 8 hours following epoxy resin application to crushed aggregate or as recommended by the manufacturer and approved by the engineer.

Ensure air and surface temperature is in the range between 50 and 90 F during, and for 24 hours following, application and mixing of the epoxy resin binder or as recommended by the manufacturer and approved by the engineer.

Protect installed crushed aggregate with epoxy resin binder from excessive dust exposure for the first 4 hours of curing.

C.3 Test Section

Before placing slope paving, prepare a test section utilizing the proposed aggregate and epoxy resin binder so the engineer will be able to assess the adequacy of the product and the application and mixing methods to yield the desired results. Test section to be 3-feet x 3-feet and a minimum of 4-inches thick. Notify the engineer at least 24 hours before preparing the test section to allow them time to arrange for witnessing the epoxy resin binder application and mixing with the aggregate. Cure test section according to product manufacturer's requirements before the engineer will accept the product for use on the final structures.

If the test section is not accepted, prepare another test section and repeat the process, using either a different aggregate or epoxy resin binder. Repeat this procedure until the engineer accepts the test section. Use the same aggregate and epoxy resin binder means and methods when installing the product under each structure that were used in preparing the accepted test section.

D Measurement

The department will measure Slope Paving Crushed Aggregate Special by the square yard in place acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0180.02	Slope Paving Crushed Aggregate Special	SY

Payment is full compensation for stripping and disposing of humus- bearing soil, for providing and installing weed barrier fabric, providing crushed aggregate; for providing the epoxy resin binder to the

aggregate; for preparing the subsurface; for cleaning all splatter of epoxy resin binder to adjacent structures, barriers, and pavement; and for making and disposing of the test section

72. Removing Electrical Wires from Conduit, Item 204.9090.S.01.

A Description

This special provision describes removing electrical wires from existing conduits and disposing of the resulting material as the plans show, conforming to standard spec 204, and as follows. The existing conduit shall remain in place. The electrical connection is between the Nicolet High School Storage Facility and the tunnel entrance on the east side. On the north side of the structure the wiring is fed into it. Not required to remove the wiring in the tunnel.

B (Vacant)

C Construction

No removal work will be permitted without approval from the Engineer.

All wires shall be removed from the existing embedded or underground conduits as the plans show and as the Engineer directs. Any necessary splices or disconnections shall be done as part of this pay item. Removed wires become the property of the contractor. Properly dispose of all material off the project site.

D Measurement

The Department will measure Removing Electrical Wires from Conduit by linear foot acceptably completed. The vertical length and wire slack shall be incidental.

E Payment

Add the following to standard spec 204.5:

ITEM NUMBER	DESCRIPTION	UNIT
204.9090.S.01	Removing Electrical Wires from Conduit	LF

SER-204.10 (20170405)

73. Removing Nicolet Ped Tunnel Entrances, Item 204.9105.S.01.

A Description

This special provision describes removing and disposing of the resulting material from the west and east entrances to the Nicolet Ped Tunnel conforming to standard spec 204, as shown on the plans, and as follows.

B (Vacant)

C Construction

Upon removing of the existing access control fence at the west entrance immediately place Safety Fence from the access control fence to the guardrail on either side of the West entrance, as shown on the plans, to establish and maintain the Eruv connection. Keep Safety Fence in place for the duration of construction until the new chain link fence is installed. Refer to ‘Notice to Contractor, Maintenance of Eruv Boundary’ article.

Work on the west entrance will only allowed during weekdays from 7:30 am to 2:00 pm.

Seal the floor drain pipes in the east and west end of the tunnel floor to prevent flowable fill from flowing into the storm sewer.

Contact the Nicolet High School facilities manager Brian Reiels 414-313-7546 for access to the Nicolet High School storage building to remove the circuit breaker to de-energize the tunnel lighting. Completely remove the electrical wire from the tunnel to the storage building. Conduit can be abandoned in place.

Contact the City of Glendale to turn off water to the fire hydrant near the east entrance during construction.

Saw cut the floor, sides and ceiling of the interior of the tunnel and the sides and top of the exterior of the tunnel as shown on the plans. Completely remove the entrances to the limits shown and dispose of all waste off the project.

Drive sheet piling at both entrances to the depth shown and seal the sheet piling to the tunnel to prevent flowable fill from escaping during filling operation.

Completely fill tunnel with flowable fill sealing the filling opening upon completion.

Contractor is responsible to obtain all permits and to contact and locate all Utilities.

D Measurement

The department will measure Removing Nicolet Ped Tunnel Entrances as a single lump sum unit acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
204.9105.S.01	Removing Nicolet Ped Tunnel Entrances	LS

Payment for Removing Nicolet Ped Tunnel Entrances is full compensation for breaking down, removing, closing and sealing the tunnel, for removal and de-energizing the electrical service, for utility coordination and locating, for all permits, and for hauling and disposing of material. Safety fence, removing electrical wires from conduit, sealing pipes, sheet piling, sawing concrete, and flowable fill will be measured and paid for under other contract bid items.

74. Flowable Fill, Item SPV.0035.01

A Description

This special provision furnishing and installing a cementitious slurry fill as follows.

B Materials

Provide flowable fill meeting the following specifications: 200 pounds cement, 3300 pounds sand, and 310 pounds water. Provide cement meeting the requirements of standard spec 501.2.1 for Type 1 Portland Cement, sand meeting the requirements of standard spec 501.2.5.3, and water meeting the requirements of standard spec 501.2.4.

C Construction

Completely fill the Nicolet Ped Tunnel with flowable fill.

D Measurement

The department will measure Flowable Fill by the cubic yard, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT

SPV.0035.01	Flowable Fill	CY

Payment is full compensation for flowable fill material delivery and placing material.

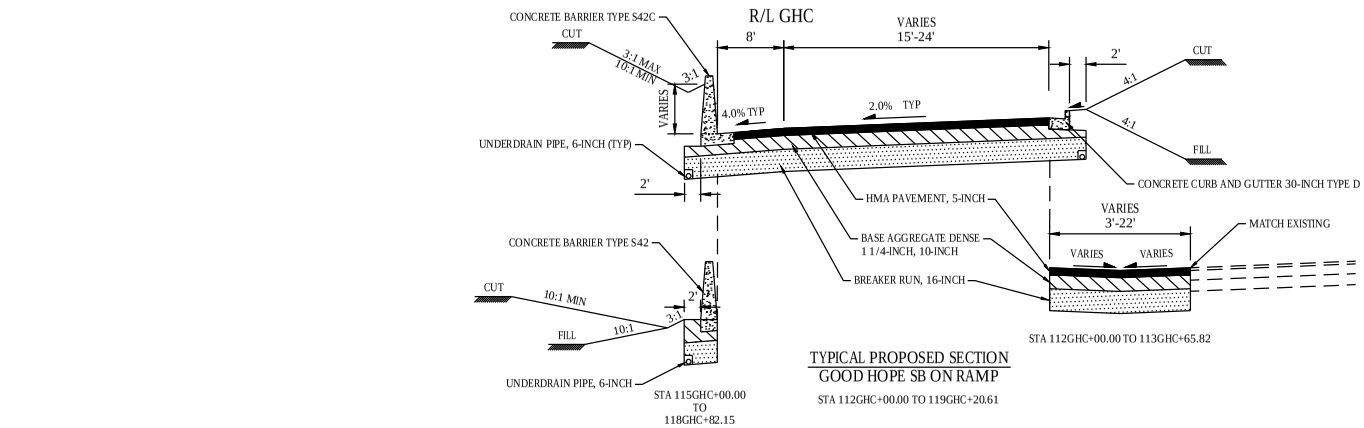
Schedule of Items
Attached, dated March 6, 2018, are the revised Schedule of Items Pages 1 – 16.

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

Revised: 08, 09, 10, 17, 19, 28, 35, 36, 40, 41, 48, 50, 51, 54, 55, 58, 59, 60, 61, 63, 64, 65, 66, 102, 109, 112, 114, 115, 164, 165, 166, 167, 168, 175, 178, 181, 183, 184, 185, 186, 187, 355, 357, 384, 408, 440, 441, 442, 443

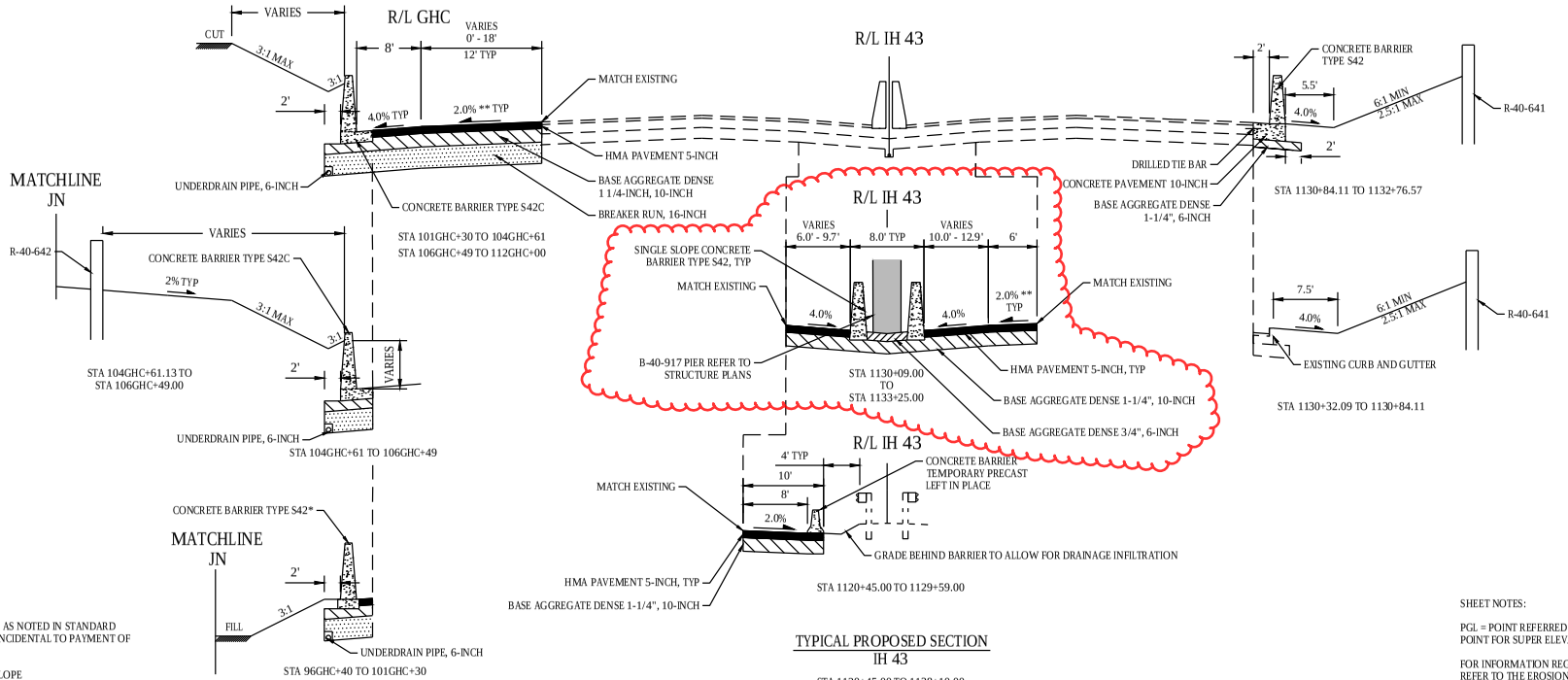
Added: 15A, 15B, 15C, and 188A.

END OF ADDENDUM



TYPICAL PROPOSED SECTION
GOOD HOPE SB ON RAMP

STA 112GHC+00.00 TO 119GHC+20.61



TYPICAL PROPOSED SECTION
IH 43

STA 1120+45.00 TO 1138+10.00

*FOOTING EXTENDS 4-INCHES AS NOTED IN STANDARD DETAIL DRAWING. FOOTING INCIDENTAL TO PAYMENT OF CONCRETE BARRIER

**MATCH ADJACENT CROSS SLOPE

SHEET NOTES:

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPER ELEVATION

FOR INFORMATION REGARDING RESTORATION REFER TO THE EROSION CONTROL PLANS AND FINISHING ITEMS WITHIN THE QUANTITY TABLES

Addendum No. 01
ID 1228-16-71
Revised Sheet 8
March 6, 2018

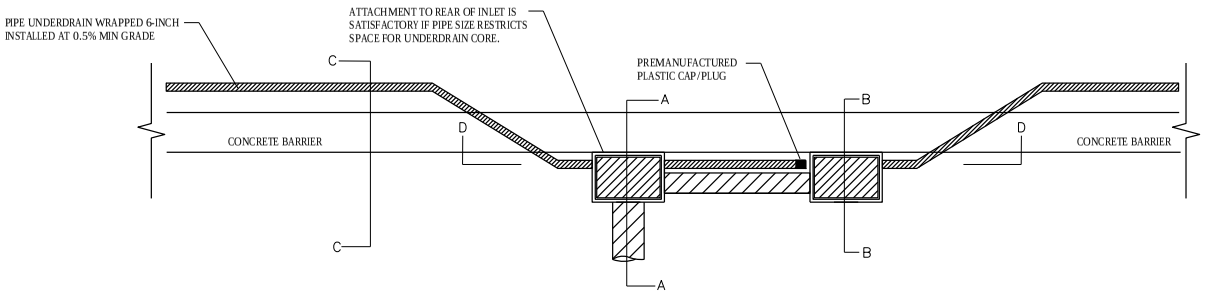
PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 08	E

FILE NAME : F:\DESIGN\PLANS\1229040 1\SHEETSPLAN\122904 01_MILWAUKEE\GREEN TREE\020401_TS.DWG
LAYOUT NAME - 020402_ts

PLOT DATE : 2/25/2018 1:49 PM PLOT BY : ANDREW ROSEMEYER PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2



TOP VIEW

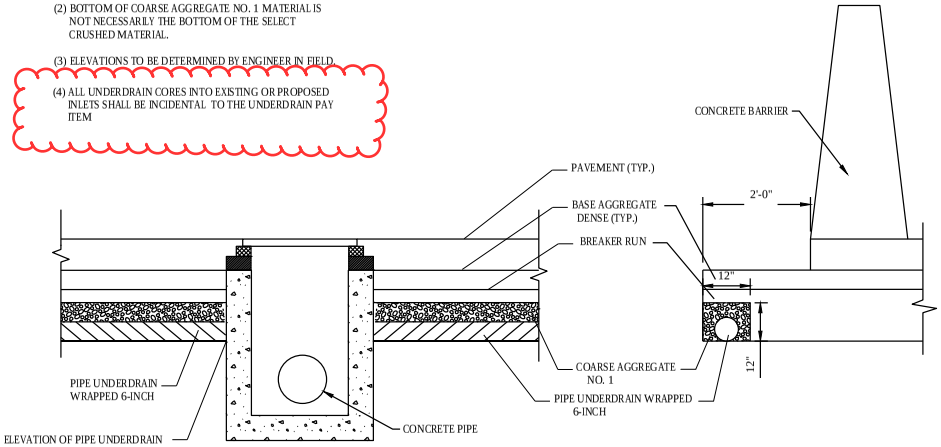
UNDERDRAIN DETAIL NOTES:

(1) BOTTOM OF PIPE SHALL BE PLACED AT THE BOTTOM OF COARSE AGGREGATE NO. 1 MATERIAL.

(2) BOTTOM OF COARSE AGGREGATE NO. 1 MATERIAL IS NOT NECESSARILY THE BOTTOM OF THE SELECT CRUSHED MATERIAL.

(3) ELEVATIONS TO BE DETERMINED BY ENGINEER IN FIELD.

(4) ALL UNDERDRAIN CORES INTO EXISTING OR PROPOSED INLETS SHALL BE INCIDENTAL TO THE UNDERDRAIN PAY ITEM

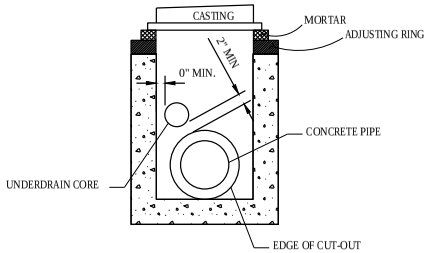


SECTION D-D

CROSS-SECTION VIEW

TYPICAL INLET CONFIGURATION WITH UNDERDRAIN CORED INTO WALL WITH NO PIPE

SECTION C-C



SECTION B-B

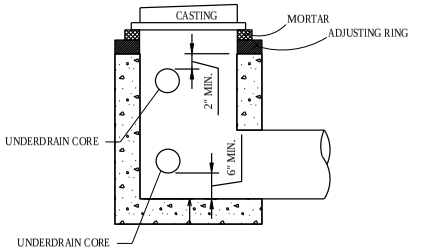
CROSS-SECTION VIEW

TYPICAL INLET IN SUMP CONDITION WITH UNDERDRAIN CORED INTO WALL WITH PIPE

SECTION B-B NOTES:

(1) CORE HOLES SHALL PROVIDE FOR A MINIMUM OF 2" OF CONCRETE BETWEEN THE CUTOUT FOR A CONCRETE PIPE AND THE EDGE OF THE CORE HOLE.

(2) CORE HOLES MAY HAVE 0" CLEARANCE FROM THE INSIDE WALLS OF A STRUCTURE.



SECTION A-A

CROSS-SECTION VIEW

TYPICAL INLET CONFIGURATION WITH UNDERDRAIN CORED INTO WALL WITH CROSSPIPE ONLY

FOUND AT LOW POINTS WITHOUT FLANKING INLETS

SECTION A-A NOTES:

(1) BOTTOM OF CORE PLACED A MINIMUM OF 6" ABOVE THE INVERT OF THE CROSS PIPE.

(2) TOP OF CORE HOLES WILL BE A MINIMUM OF 2" BELOW THE TOP OF THE INLET STRUCTURES (BOTTOM OF RINGS)

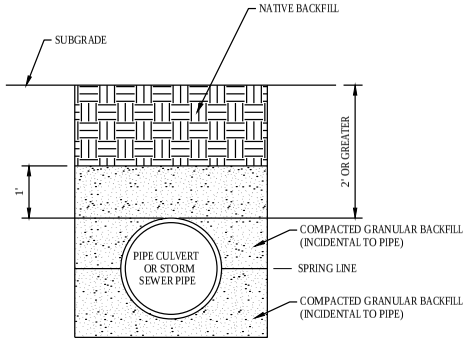
(3) DRAIN TILES SHALL NOT BE ALLOWED IN THE RING OF THE STRUCTURE OF INLETS

PIPE UNDERDRAIN DETAIL

NOT TO SCALE

Addendum No. 01
ID 1228-16-71
Revised Sheet 9
March 6, 2018

PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET 09	E

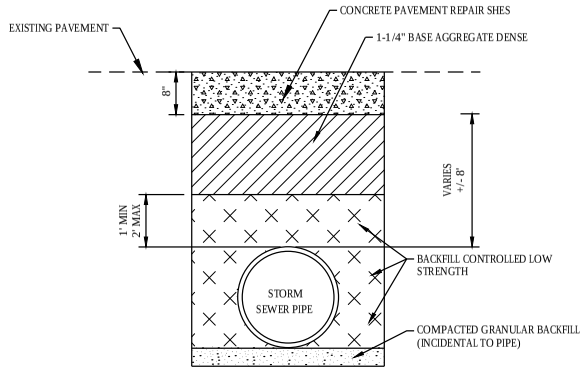


NOTES:

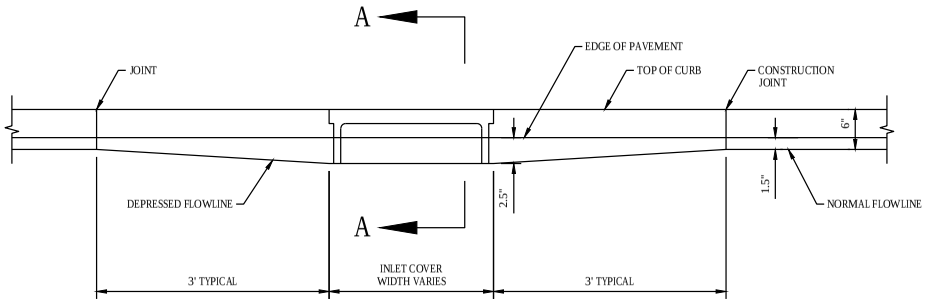
(1) NATIVE BACKFILL SHALL BE FREE OF LARGE LUMPS, CLODS, ORGANICS, OR ROCK.

TRENCH BACKFILL DETAIL FOR NORMAL DEPTH PIPE CULVERTS AND STORM SEWER PIPE INSTALLATIONS

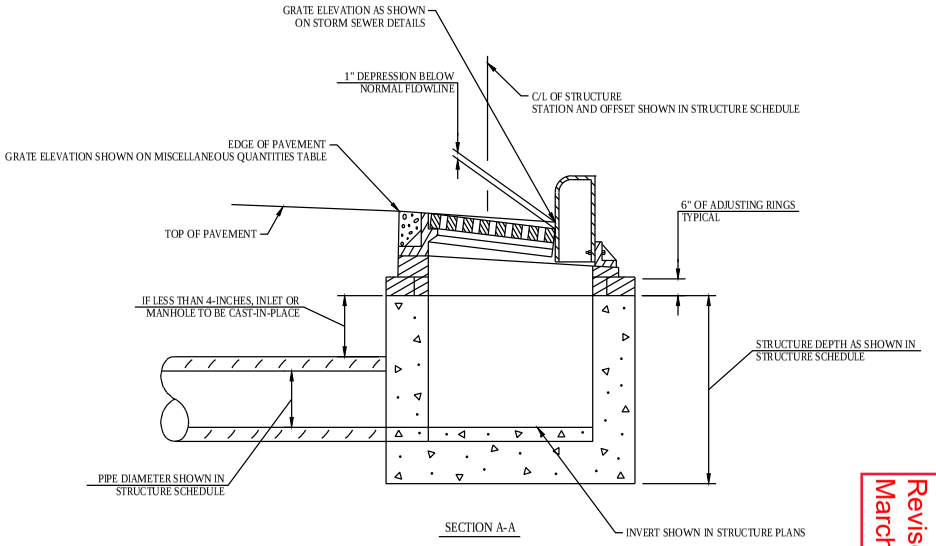
(FOR PIPES THAT ARE PLACED 2 FEET OR GREATER FROM THE SUBGRADE)



TRENCH BACKFILL DETAIL FOR STORM SEWER PIPE CROSSING IH-43



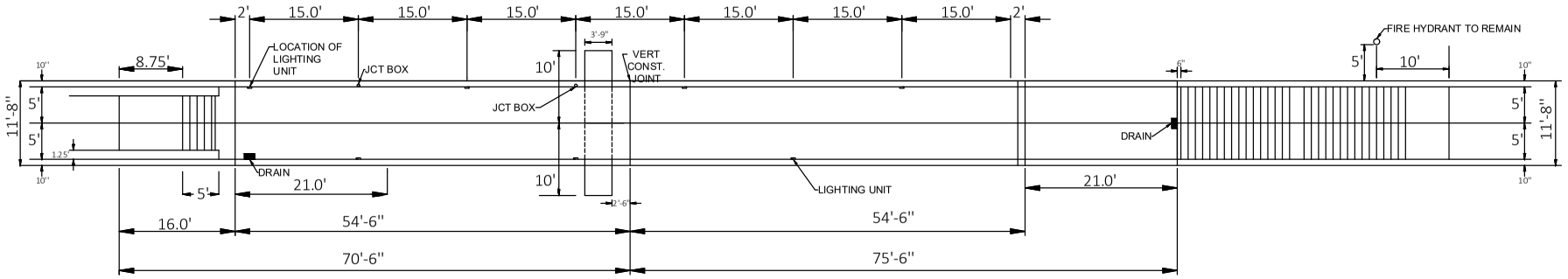
ELEVATION VIEW

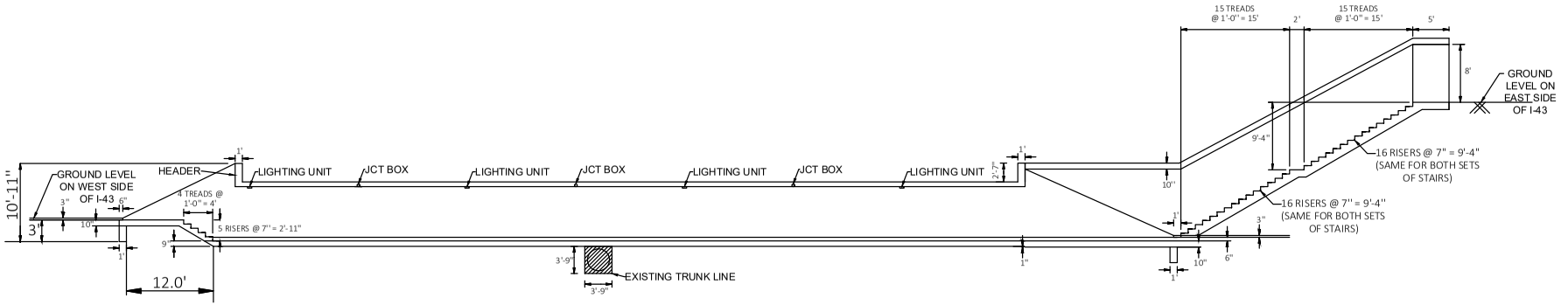


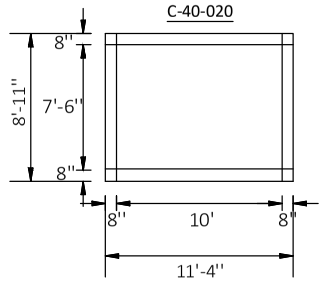
SECTION A-A

CURB AND GUTTER AT INLETS

Addendum No. 01
ID 1228-16-71
Revised Sheet 10
March 6, 2018



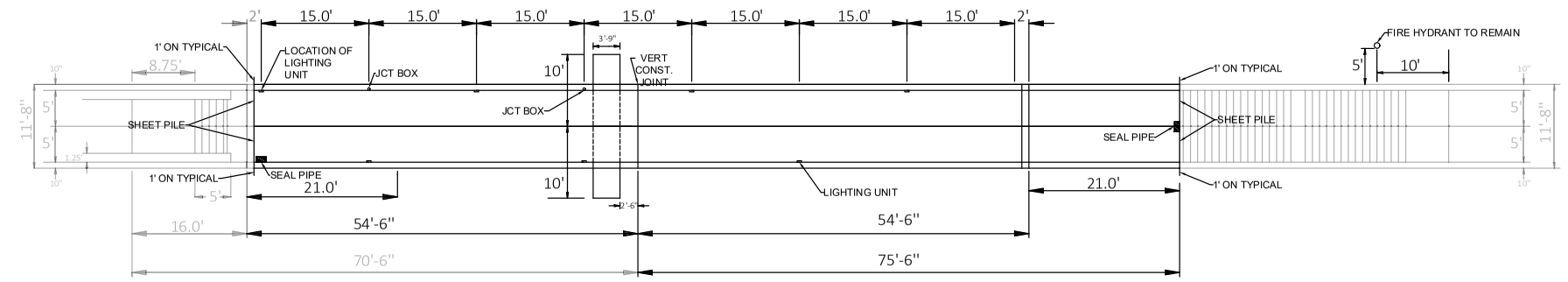


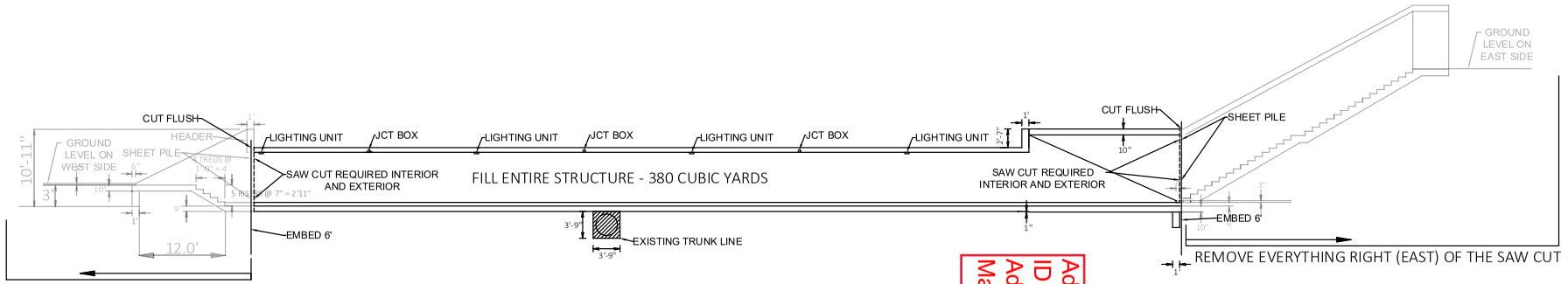


Addendum No. 01
ID 1228-16-71
Added Sheet 15A
March 6, 2018

PROJECT NO: 1228-16-71	HWY: IH 43	COUNTY: MILWAUKEE	NICOLET HIGH SCHOOL PEDESTRIAN TUNNEL - EXISTING	SHEET 15A	E

FILE NAME : E:\NICOLET UNDERPASS.DWG
LAYOUT NAME - Plan 1 IN 20 FT
PLOT DATE : 2/28/2018 10:52 AM
PLOT BY : DICKMAN, JAKE J
PLOT NAME :
PLOT SCALE : 1:15





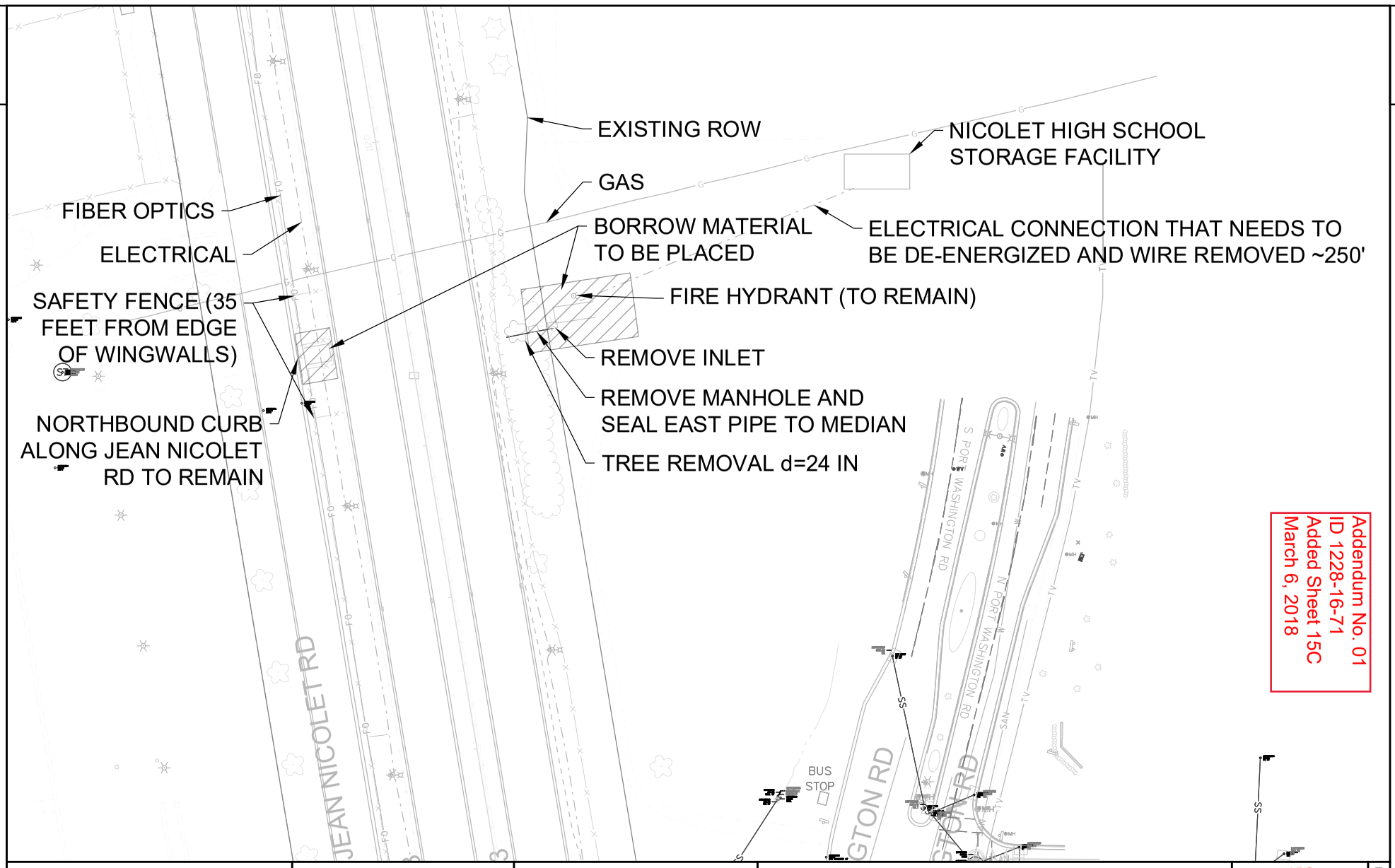
Addendum No. 01
ID 1228-16-71
Added Sheet 15B
March 6, 2018

NOTE: OVERLAP SHEET PILE 1' ON BOTH SIDES OF THE TUNNEL OPENING

PROJECT NO: 1228-16-71	HWY: IH 43	COUNTY: MILWAUKEE	ABANDON NICOLET PEDESTRIAN TUNNEL	SHEET 15B	E

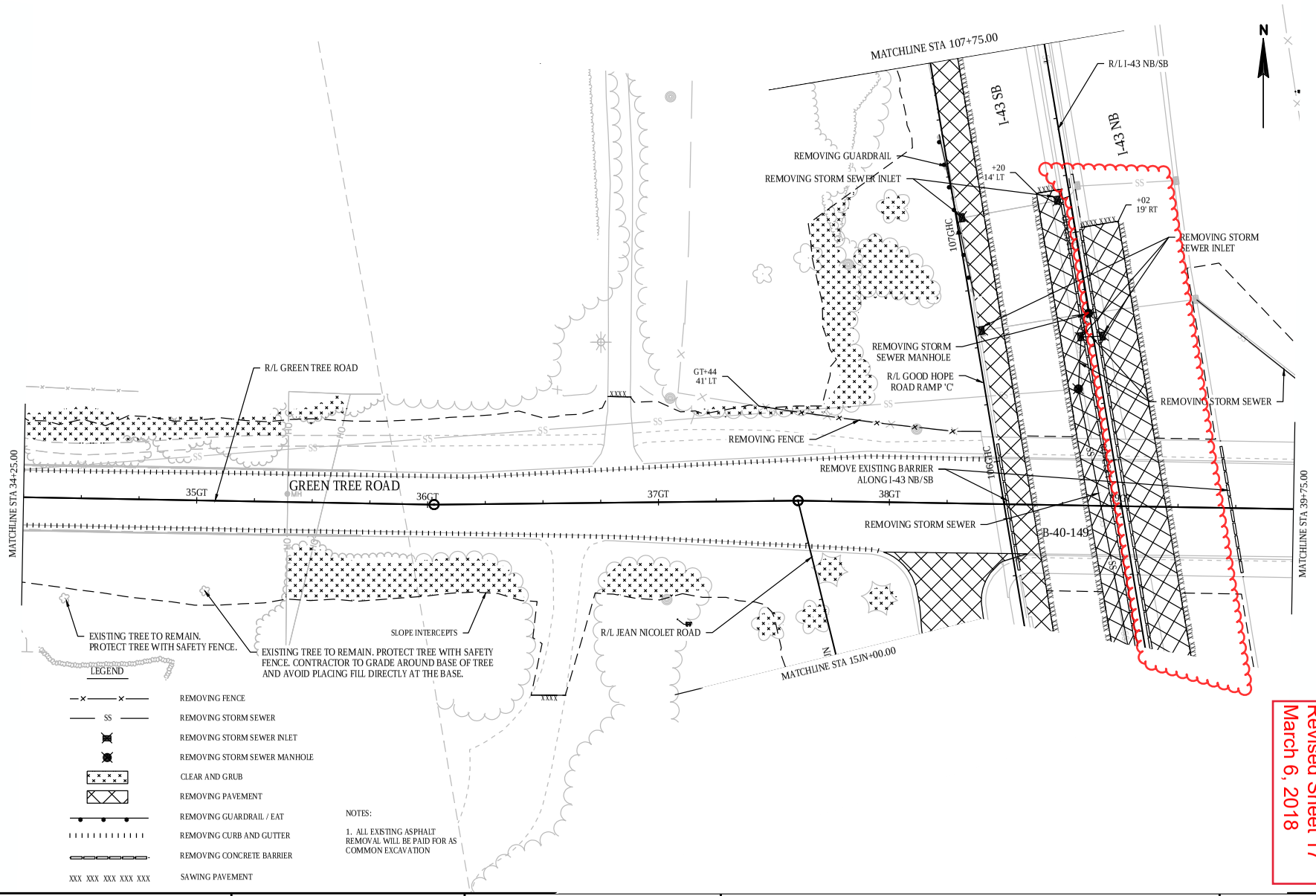
FILE NAME : E:\NICOLET UNDERPASS.DWG
LAYOUT NAME - Layout1-Plan 1 IN 20 FT
PLOT DATE : 2/28/2018 10:54 AM PLOT BY : DICKMAN, JAKE J PLOT NAME : PLOT SCALE : Custom

WISDOT/CADDS SHEET 42



PROJECT NO: 1228-16-71	HWY: IH 43	COUNTY: MILWAUKEE	ABANDON PEDESTRIAN TUNNEL	SHEET 15C	E

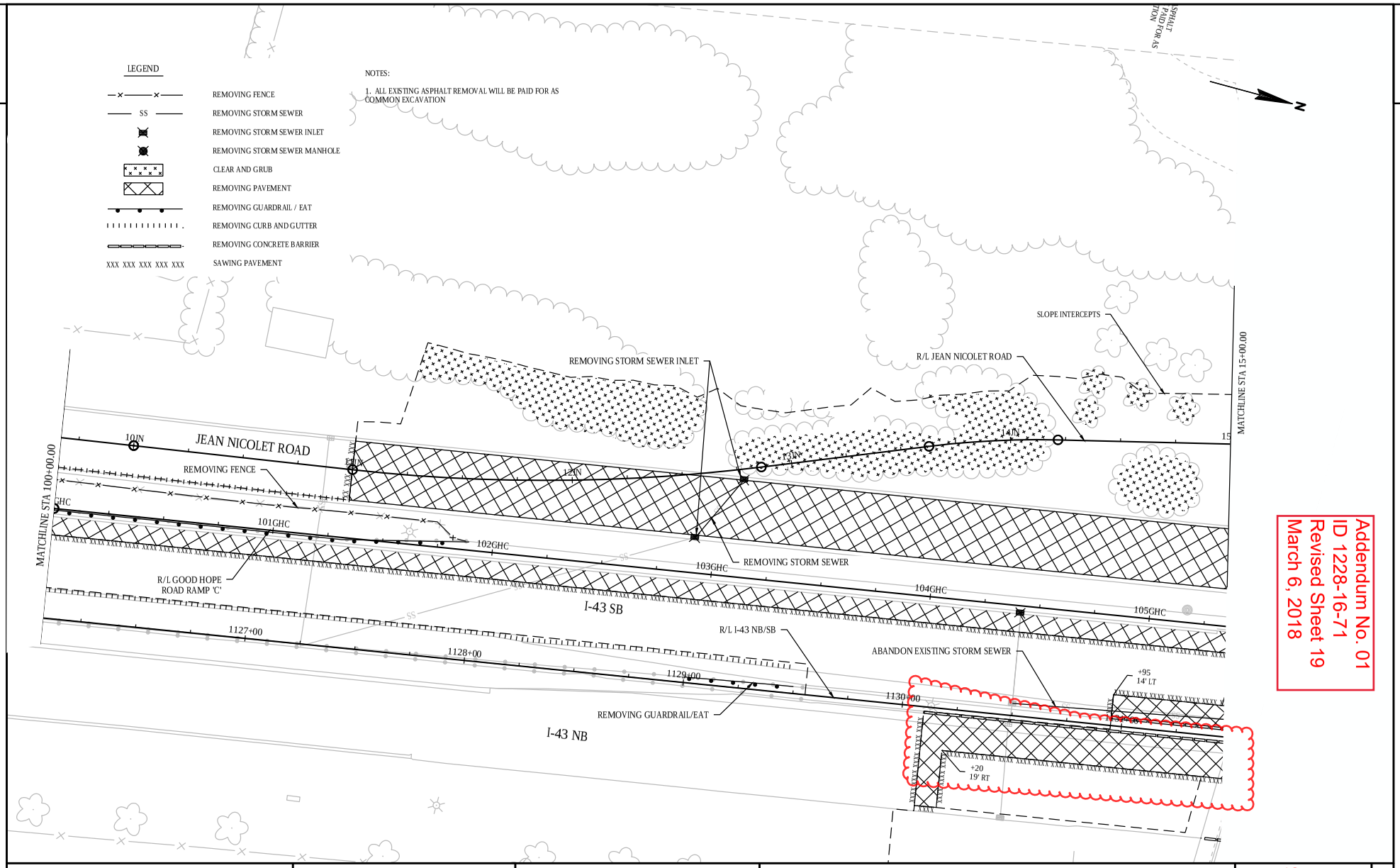
FILE NAME : N:\PDS\C3D\1228160\1\EXHIBITS\NICOLET PED TUNNEL (2).DWG
LAYOUT NAME - Plan 1 IN 20 FT
PLOT DATE : 2/28/2018 10:29 AM PLOT BY : DICKMAN, JAKE J PLOT NAME : PLOT SCALE : Custom



Addendum No. 01
ID 1228-16-71
Revised Sheet 17
March 6, 2018

PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	REMOVAL PLAN	SHEET 17	E

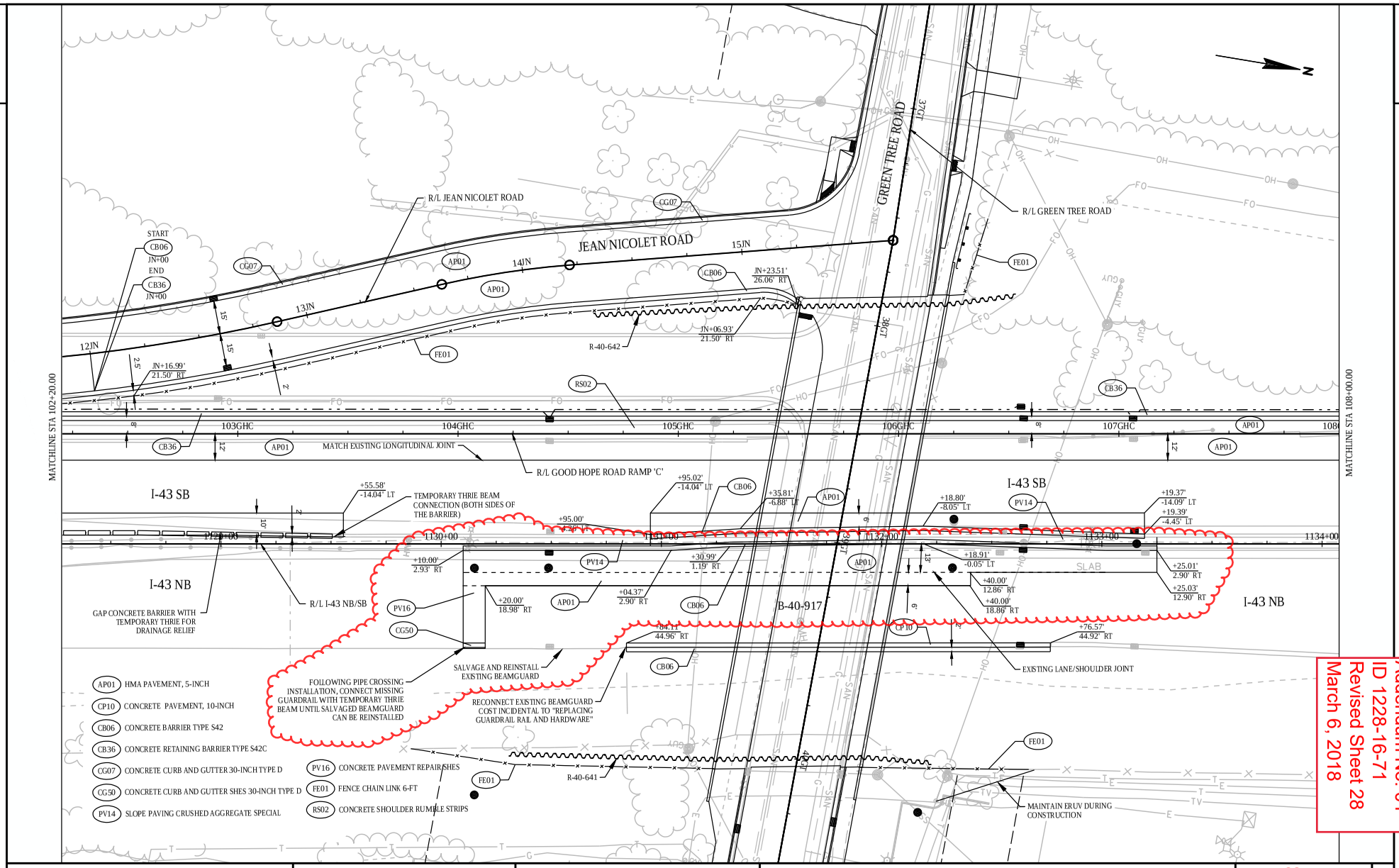
FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\021101_RM.DWG
LAYOUT NAME - 021102_RM
PLOT DATE : 2/27/2018 8:30 AM PLOT BY : ANDREW ROSEMEYER PLOT NAME : PLOT SCALE : ##########



Addendum No. 01
ID 1228-16-71
Revised Sheet 19
March 6, 2018

PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	REMOVAL PLAN	SHEET 19	E

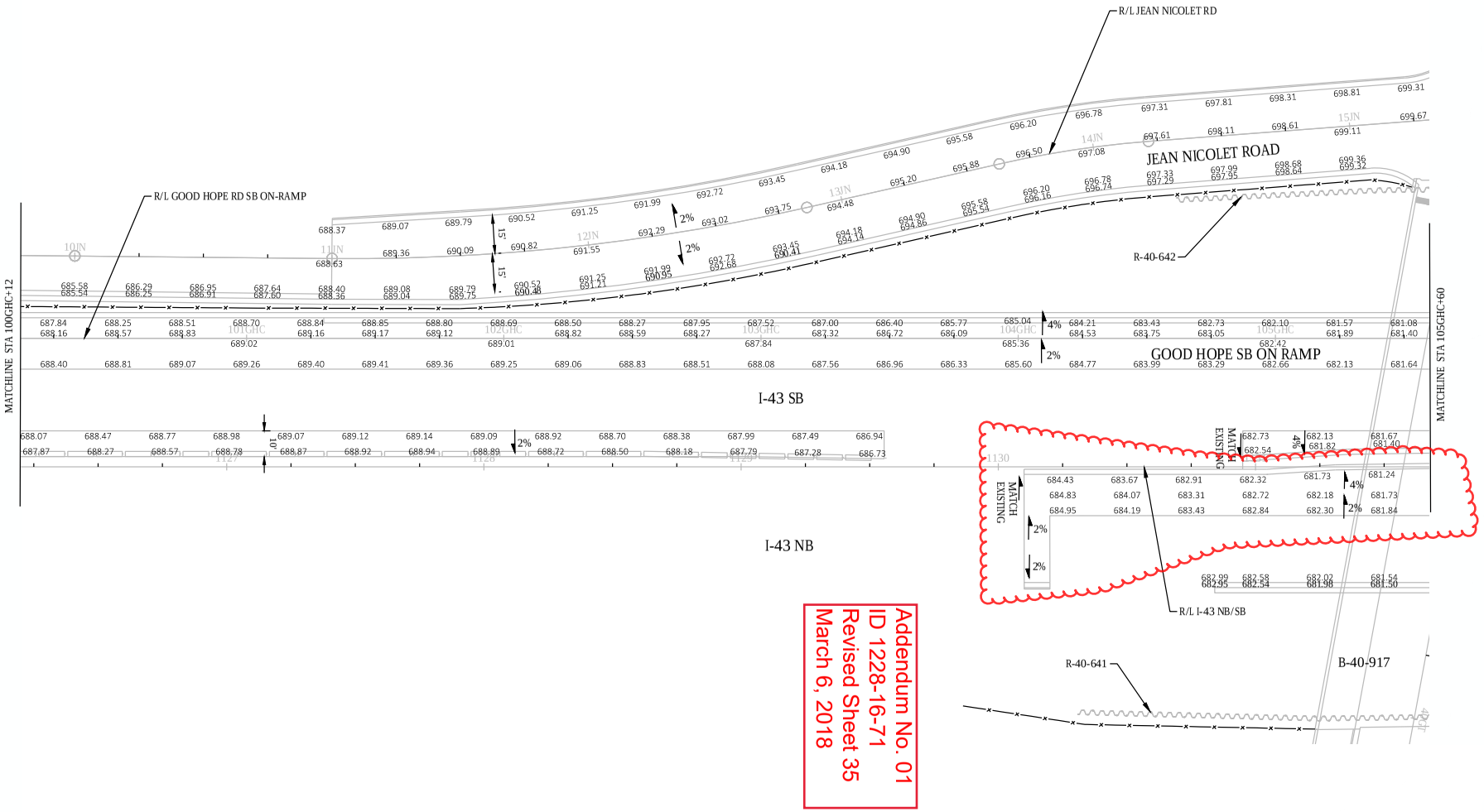
FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\021101_RM.DWG
LAYOUT NAME - 021105_RM
PLOT DATE : 2/27/2018 8:39 AM
PLOT BY : ANDREW ROSEMEYER
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



Addendum No. 01
ID 1228-16-71
Revised Sheet 28
March 6, 2018

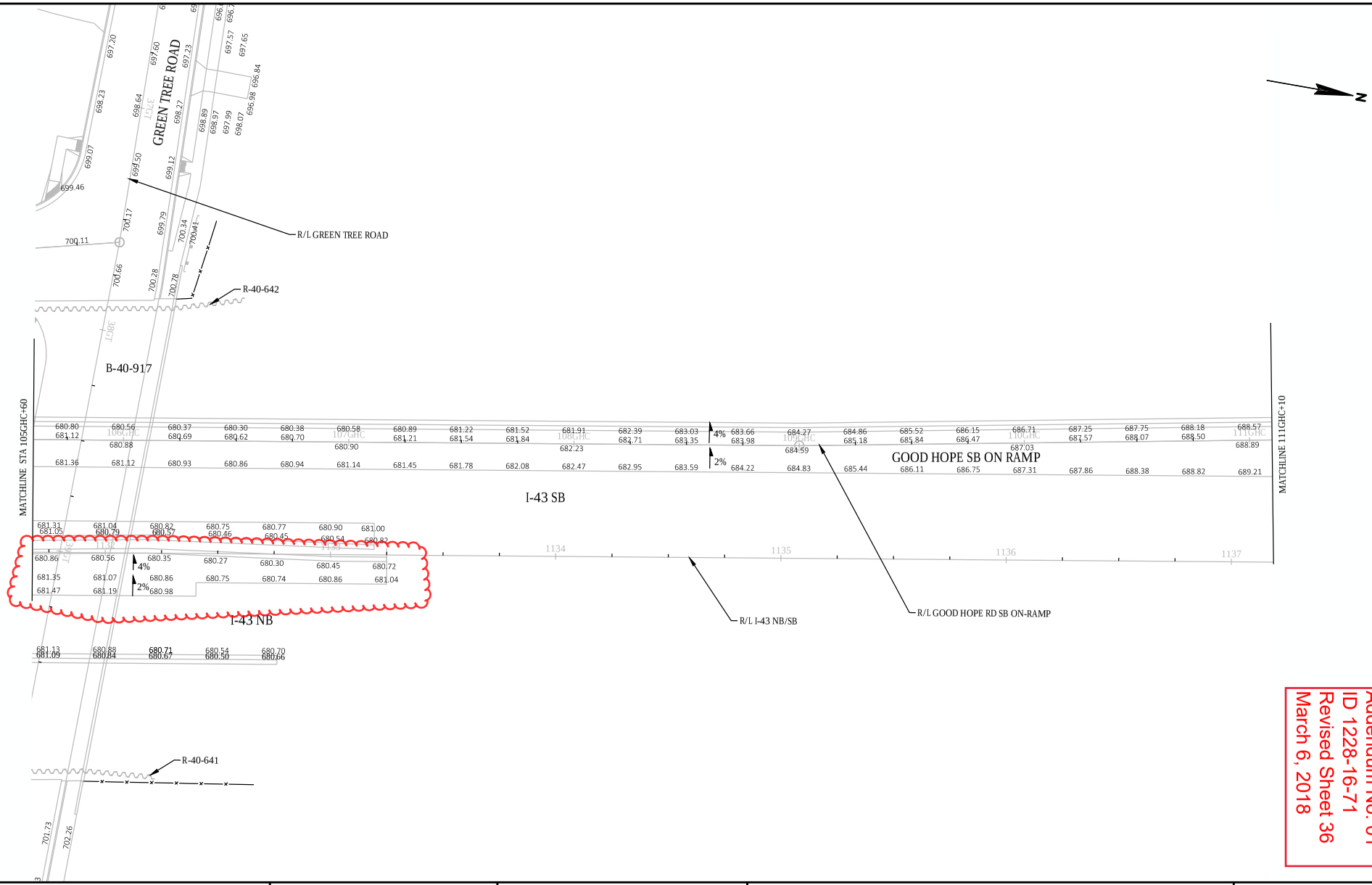
PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 28	E

FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\021202_PD.DWG
LAYOUT NAME - 021206_pd
PLOT DATE : 2/27/2018 7:31 PM
PLOT BY : ANDREW ROSEMEYER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT



PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 35	E

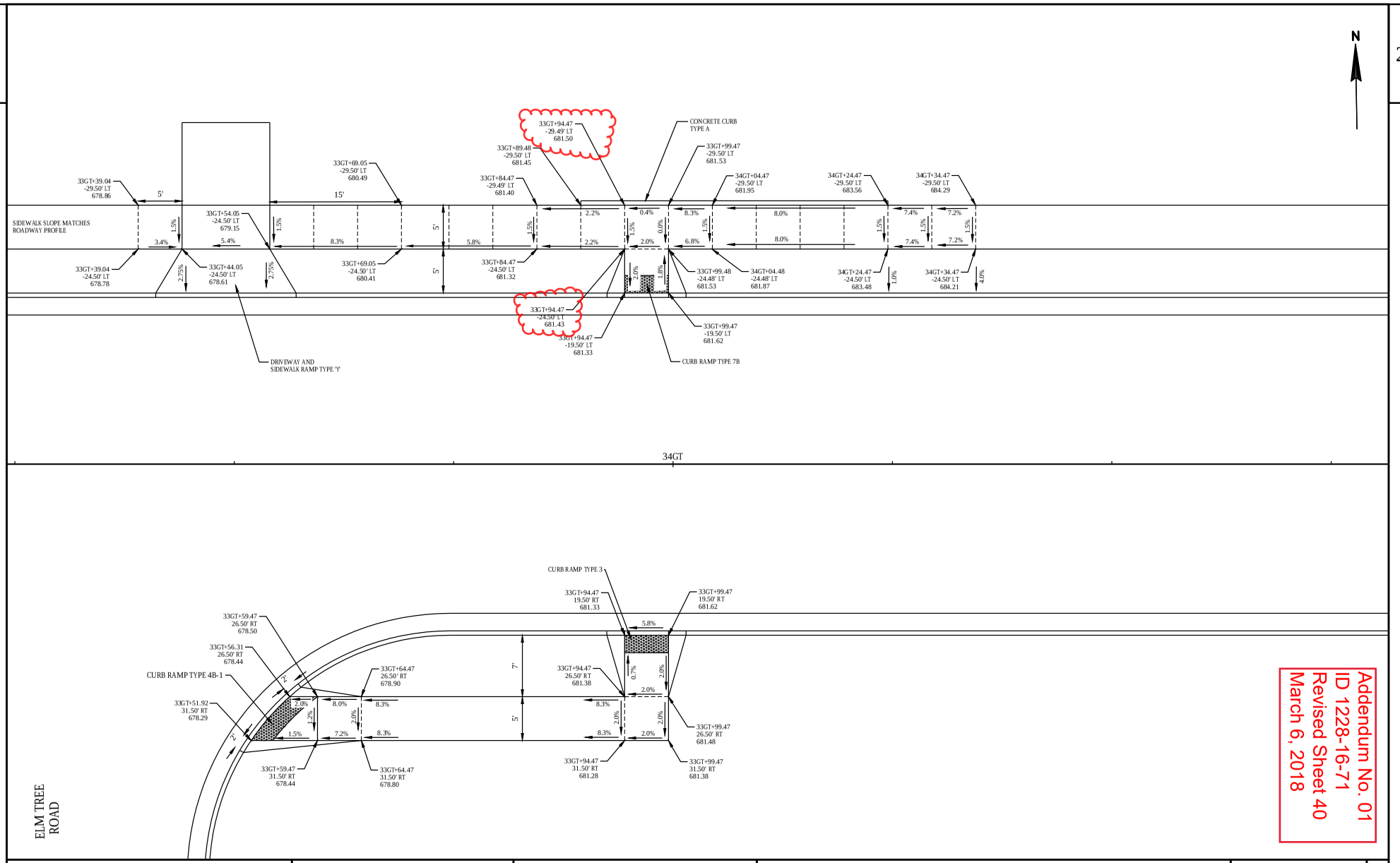
FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\021301_PG.DWG
LAYOUT NAME - 021305pg
PLOT DATE : 2/27/2018 10:16 PM
PLOT BY : ANDREW ROSEMEYER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



Addendum No. 01
ID 1228-16-71
Revised Sheet 36
March 6, 2018

PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 36	E

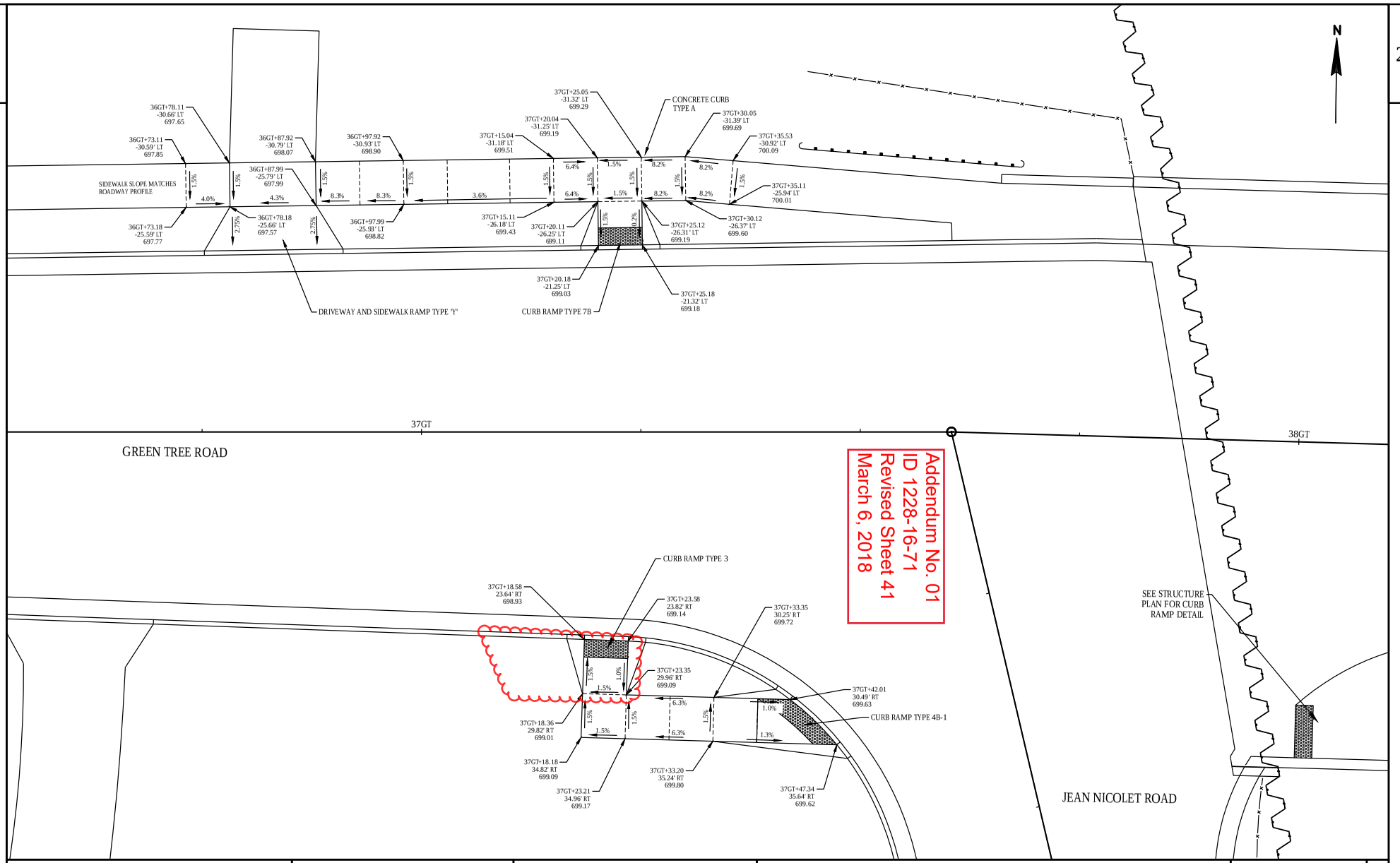
FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\021301_PG.DWG
LAYOUT NAME - 021306pg
PLOT DATE : 2/27/2018 10:17 PM PLOT BY : ANDREW ROSEMEYER PLOT NAME : PLOT SCALE : 1 IN:40 FT



Addendum No. 01
ID 1228-16-71
Revised Sheet 40
March 6, 2018

PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CURB RAMP AND SIDEWALK DETAILS: GREEN TREE AT ELM TREE ROAD	SHEET 40	E

FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\021401_CRD.DWG
LAYOUT NAME - 021401B_crd
PLOT DATE : 2/27/2018 10:21 PM PLOT BY : ANDREW ROSEMEYER PLOT NAME : PLOT SCALE : 1 IN:10 FT_3



PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CURB RAMP AND SIDEWALK DETAILS: JEAN NICOLET ROAD	SHEET 41	E

FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\021401_CRD.DWG
LAYOUT NAME - 021402_crd
PLOT DATE : 2/27/2018 10:21 PM PLOT BY : ANDREW ROSEMEYER PLOT NAME : PLOT SCALE : 1 IN:1 0 FT_3

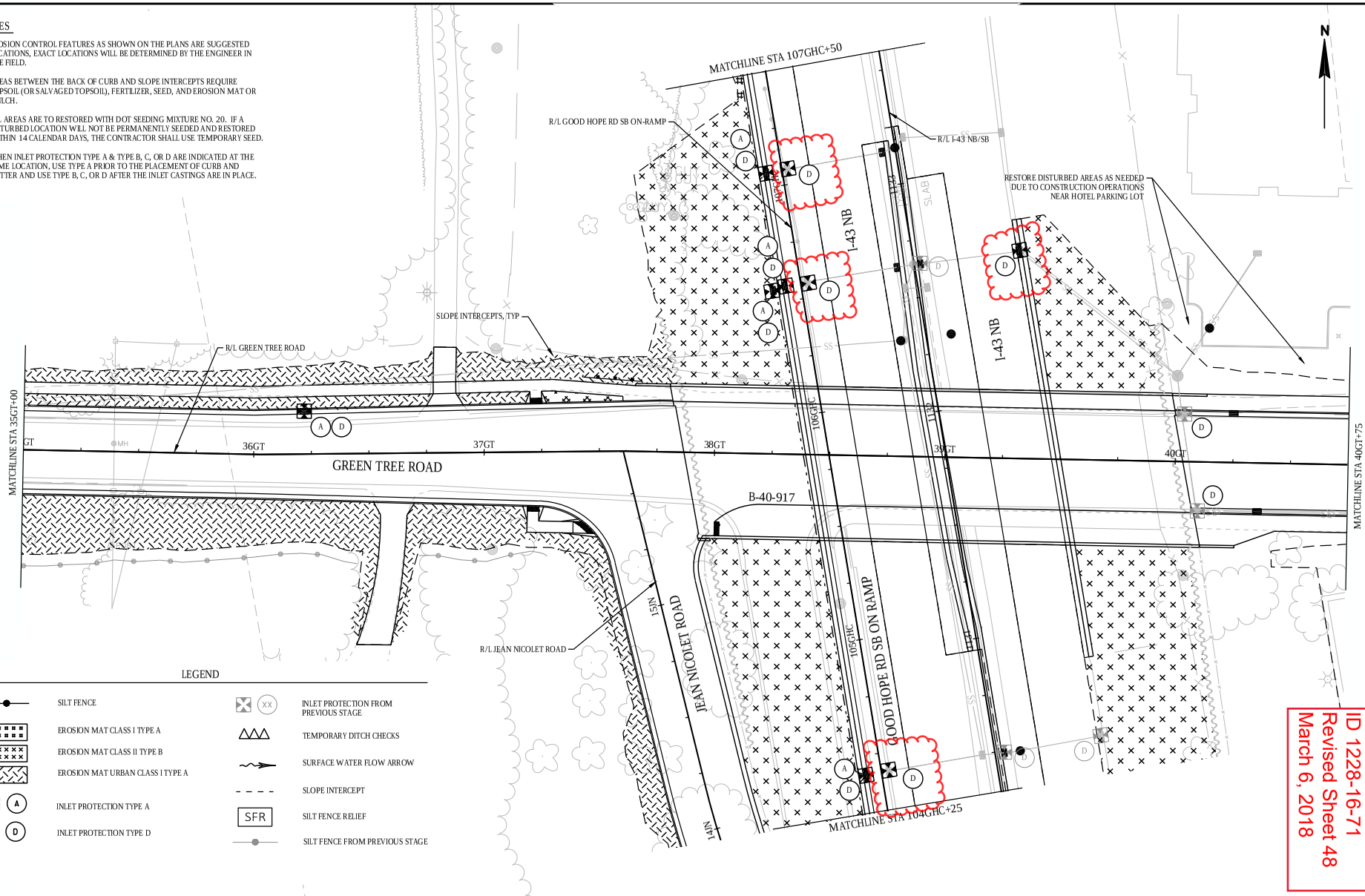
NOTES

1) EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE SUGGESTED LOCATIONS, EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

2) AREAS BETWEEN THE BACK OF CURB AND SLOPE INTERCEPTS REQUIRE TOPSOIL (OR SALVAGED TOPSOIL), FERTILIZER, SEED, AND EROSION MAT OR MULCH.

3) ALL AREAS ARE TO RESTORED WITH DOT SEEDING MIXTURE NO. 20. IF A DISTURBED LOCATION WILL NOT BE PERMANENTLY SEEDED AND RESTORED WITHIN 14 CALENDAR DAYS, THE CONTRACTOR SHALL USE TEMPORARY SEED.

4) WHEN INLET PROTECTION TYPE A & TYPE B, C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B, C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.



LEGEND

- SILT FENCE
- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS II TYPE B
- EROSION MAT URBAN CLASS I TYPE A
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE D
- INLET PROTECTION FROM PREVIOUS STAGE
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW ARROW
- SLOPE INTERCEPT
- SILT FENCE RELIEF (SFR)
- SILT FENCE FROM PREVIOUS STAGE

Addendum No. 01
ID 1228-16-71
Revised Sheet 48
March 6, 2018

PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 2A	SHEET 48	E

FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\022201_EC_ST2A.DWG
LAYOUT NAME - 022202_ec-st2a
PLOT DATE : 2/27/2018 6:59 AM
PLOT BY : ANDREW ROSEMEYER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

NOTES

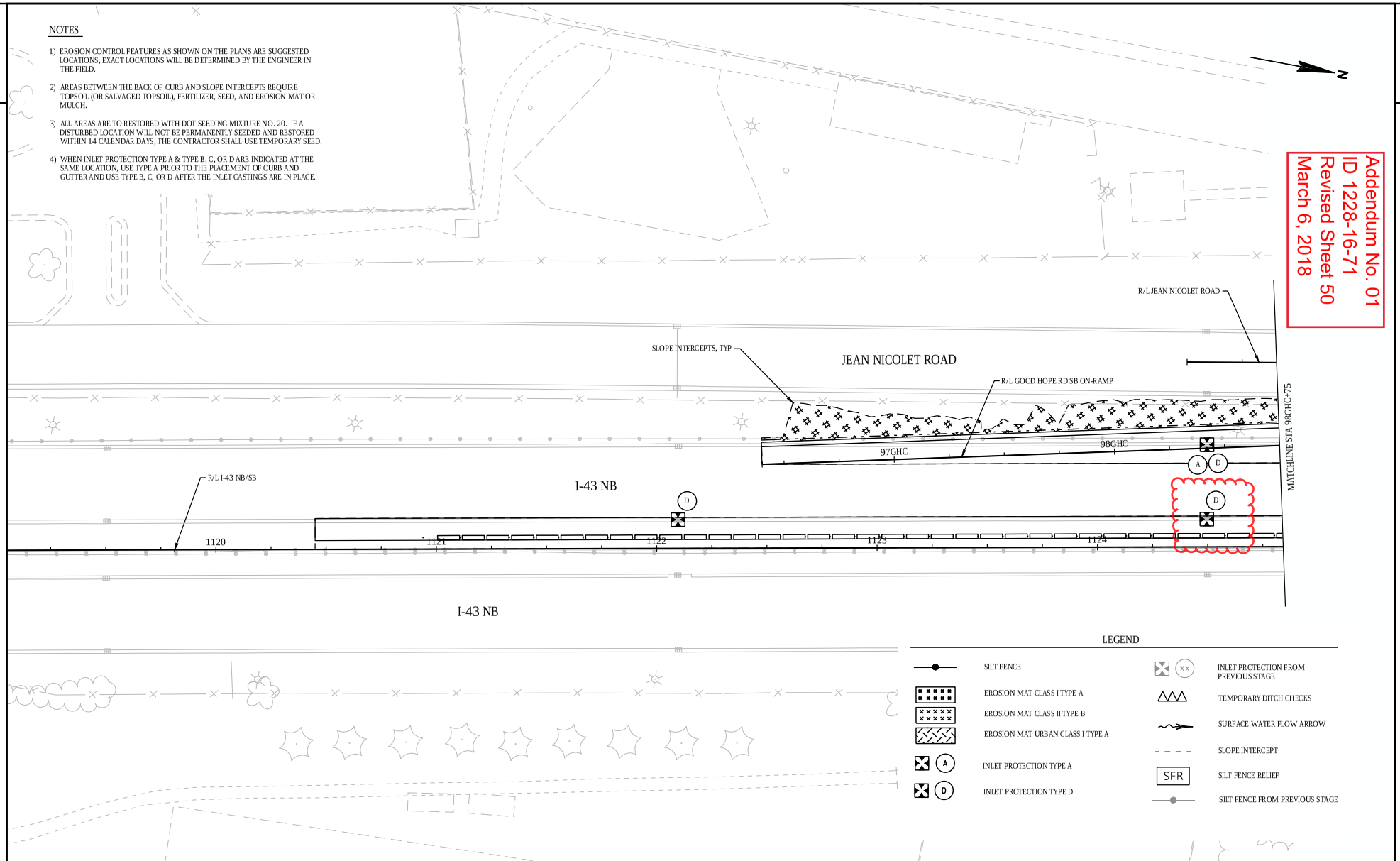
1) EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE SUGGESTED LOCATIONS, EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

2) AREAS BETWEEN THE BACK OF CURB AND SLOPE INTERCEPTS REQUIRE TOPSOIL (OR SALVAGED TOPSOIL), FERTILIZER, SEED, AND EROSION MAT OR MULCH.

3) ALL AREAS ARE TO RESTORED WITH DOT SEEDING MIXTURE NO. 20. IF A DISTURBED LOCATION WILL NOT BE PERMANENTLY SEEDED AND RESTORED WITHIN 14 CALENDAR DAYS, THE CONTRACTOR SHALL USE TEMPORARY SEED.

4) WHEN INLET PROTECTION TYPE A & TYPE B, C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B, C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.

Addendum No. 01
ID 1228-16-71
Revised Sheet 50
March 6, 2018



PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 2A	SHEET 50	E

FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\022201_EC_ST2A.DWG
LAYOUT NAME - 022204_ec-st2a
PLOT DATE : 2/27/2018 6:56 AM PLOT BY : ANDREW ROSEMEYER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

Addendum No. 01
ID 1228-16-71
Revised Sheet 51
March 6, 2018

2

2

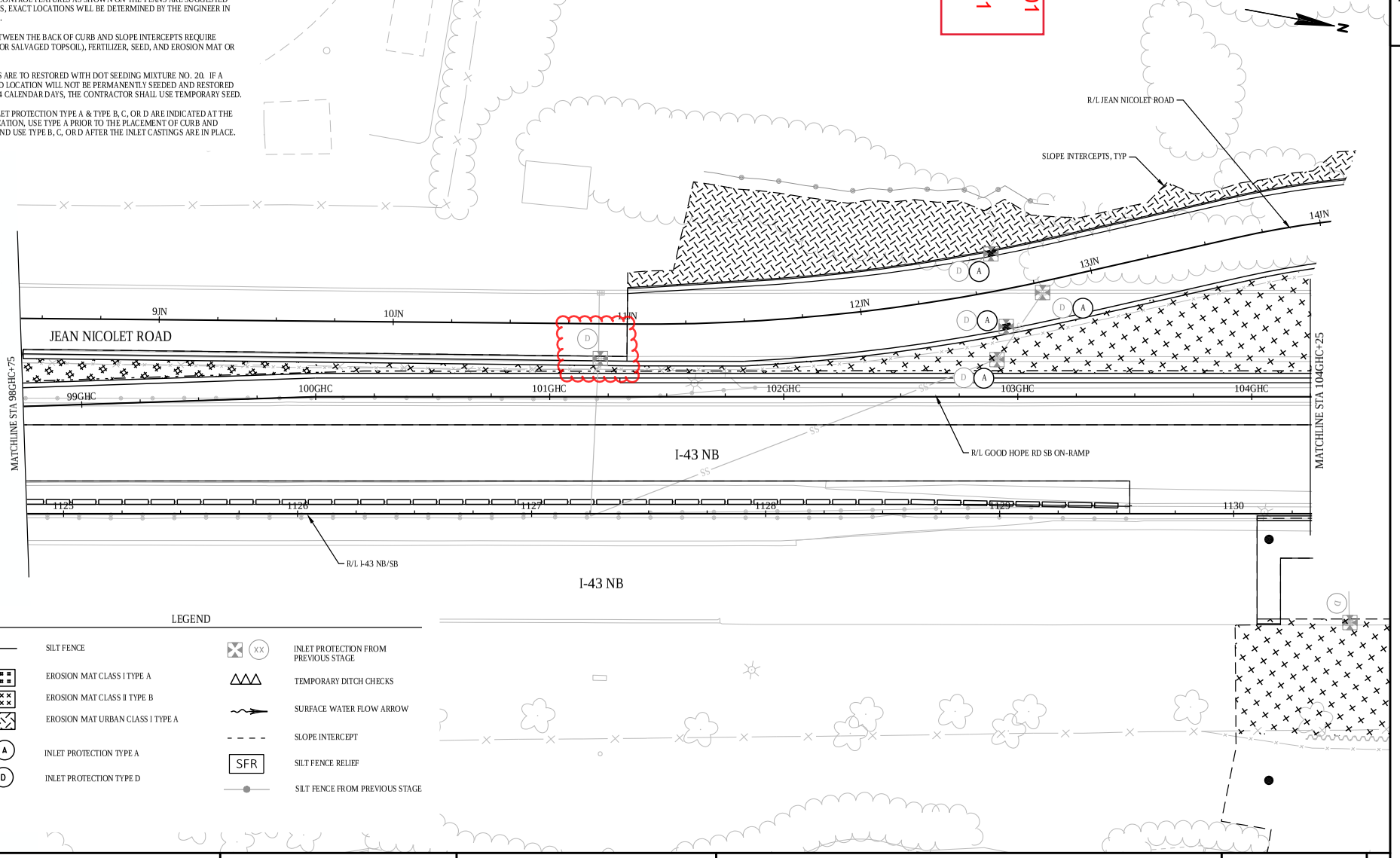
NOTES

1) EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE SUGGESTED LOCATIONS, EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

2) AREAS BETWEEN THE BACK OF CURB AND SLOPE INTERCEPTS REQUIRE TOPSOIL (OR SALVAGED TOPSOIL), FERTILIZER, SEED, AND EROSION MAT OR MULCH.

3) ALL AREAS ARE TO RESTORED WITH DOT SEEDING MIXTURE NO. 20. IF A DISTURBED LOCATION WILL NOT BE PERMANENTLY SEEDED AND RESTORED WITHIN 14 CALENDAR DAYS, THE CONTRACTOR SHALL USE TEMPORARY SEED.

4) WHEN INLET PROTECTION TYPE A & TYPE B, C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B, C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.



LEGEND

- SILT FENCE
- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS II TYPE B
- EROSION MAT URBAN CLASS I TYPE A
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE D
- INLET PROTECTION FROM PREVIOUS STAGE
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW ARROW
- SLOPE INTERCEPT
- SFR — SILT FENCE RELIEF
- SILT FENCE FROM PREVIOUS STAGE

PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 2A	SHEET 51	E

FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\022201_EC_ST2A.DWG
LAYOUT NAME - 022205_ec-st2a
PLOT DATE : 2/27/2018 7:01 AM PLOT BY : ANDREW ROSEMEYER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

Addendum No. 01
ID 1228-16-71
Revised Sheet 54
March 6, 2018

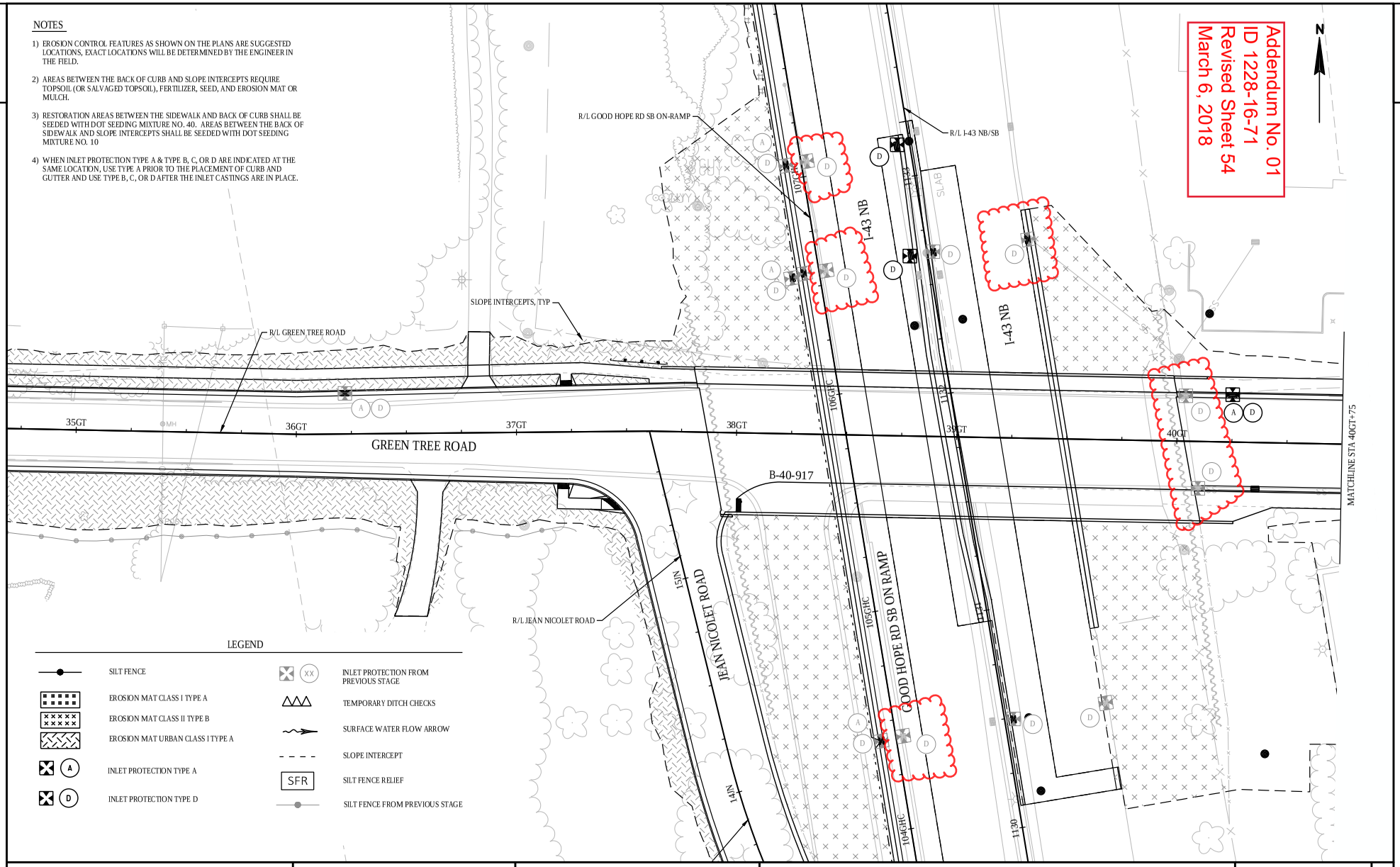
NOTES

1) EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE SUGGESTED LOCATIONS, EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

2) AREAS BETWEEN THE BACK OF CURB AND SLOPE INTERCEPTS REQUIRE TOPSOIL (OR SALVAGED TOPSOIL), FERTILIZER, SEED, AND EROSION MAT OR MULCH.

3) RESTORATION AREAS BETWEEN THE SIDEWALK AND BACK OF CURB SHALL BE SEEDED WITH DOT SEEDING MIXTURE NO. 40. AREAS BETWEEN THE BACK OF SIDEWALK AND SLOPE INTERCEPTS SHALL BE SEEDED WITH DOT SEEDING MIXTURE NO. 10

4) WHEN INLET PROTECTION TYPE A & TYPE B, C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B, C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.



LEGEND

- SILT FENCE
- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS II TYPE B
- EROSION MAT URBAN CLASS I TYPE A
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE D
- INLET PROTECTION FROM PREVIOUS STAGE
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW ARROW
- SLOPE INTERCEPT
- SILT FENCE RELIEF (SFR)
- SILT FENCE FROM PREVIOUS STAGE

PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 2B	SHEET 54	E

FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\022202_EC_ST2B.DWG
LAYOUT NAME - 022252_ec-st2b
PLOT DATE : 2/27/2018 7:56 AM PLOT BY : ANDREW ROSEMEYER PLOT NAME : PLOT SCALE : 1 IN:40 FT

Addendum No. 01
ID 1228-16-71
Revised Sheet 55
March 6, 2018

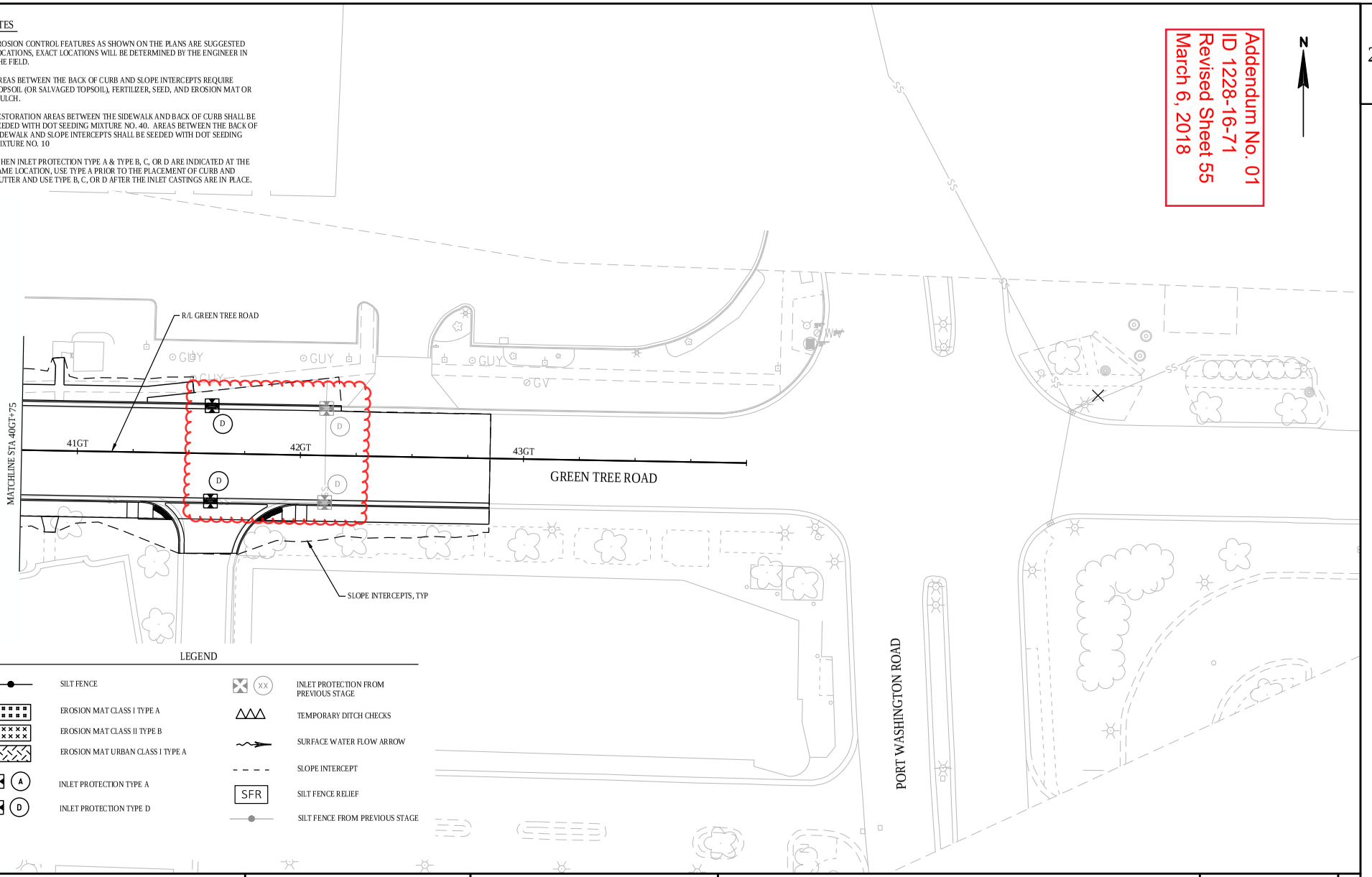
NOTES

1) EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE SUGGESTED LOCATIONS, EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

2) AREAS BETWEEN THE BACK OF CURB AND SLOPE INTERCEPTS REQUIRE TOPSOIL (OR SALVAGED TOPSOIL), FERTILIZER, SEED, AND EROSION MAT OR MULCH.

3) RESTORATION AREAS BETWEEN THE SIDEWALK AND BACK OF CURB SHALL BE SEEDED WITH DOT SEEDING MIXTURE NO. 40. AREAS BETWEEN THE BACK OF SIDEWALK AND SLOPE INTERCEPTS SHALL BE SEEDED WITH DOT SEEDING MIXTURE NO. 10

4) WHEN INLET PROTECTION TYPE A & TYPE B, C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B, C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.

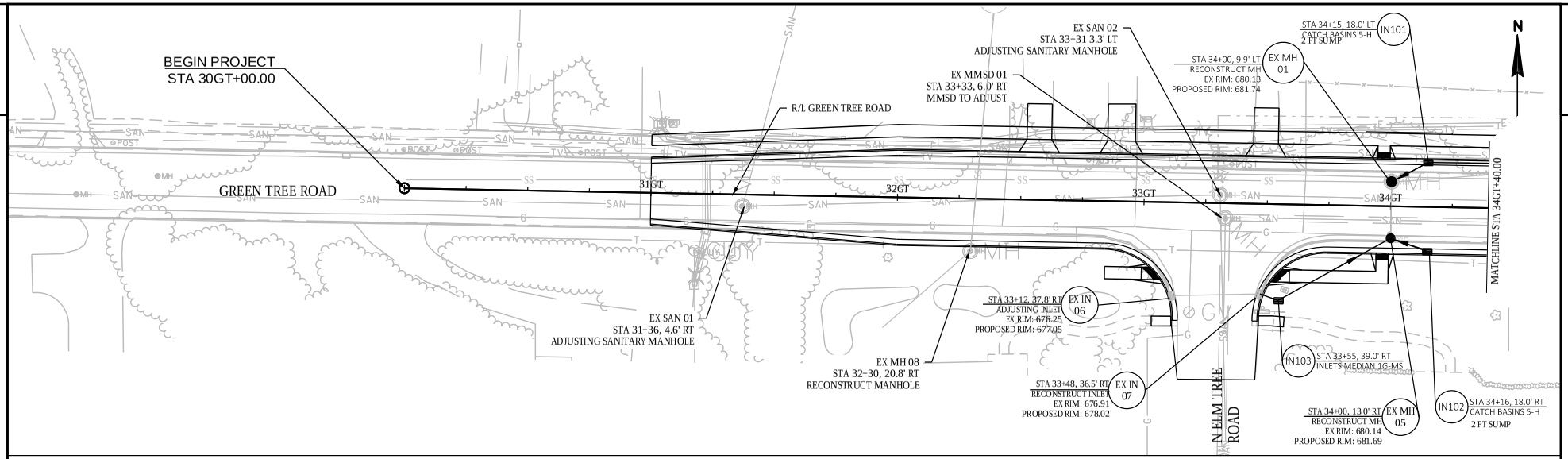


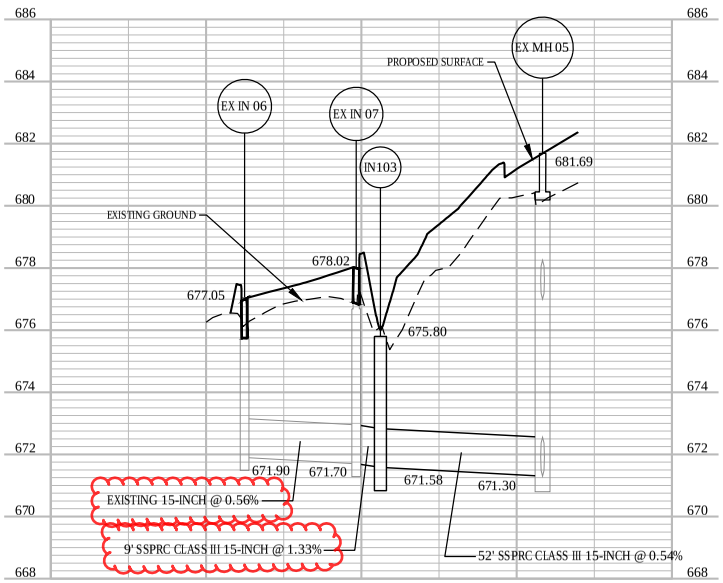
LEGEND

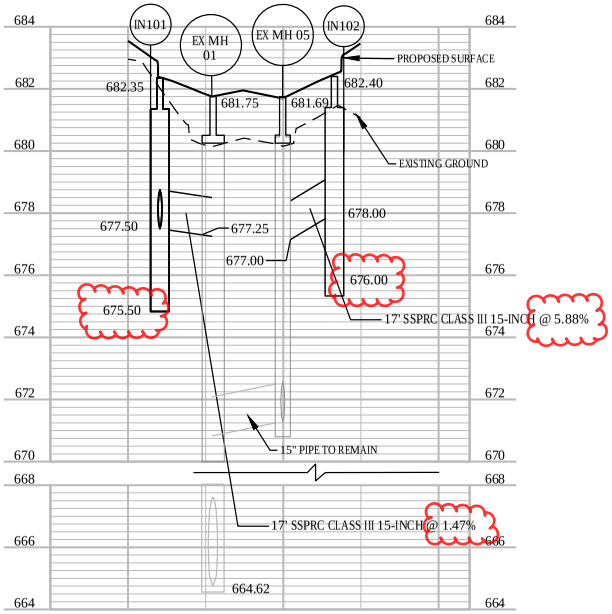
- SILT FENCE
- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS II TYPE B
- EROSION MAT URBAN CLASS I TYPE A
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE D
- INLET PROTECTION FROM PREVIOUS STAGE
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW ARROW
- SLOPE INTERCEPT
- SILT FENCE RELIEF (SFR)
- SILT FENCE FROM PREVIOUS STAGE

PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 2B	SHEET 55	E

FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\022202_EC_ST2B.DWG
LAYOUT NAME - 022253_ec-st2b
PLOT DATE : 2/27/2018 7:52 AM PLOT BY : ANDREW ROSEMEYER PLOT NAME : PLOT SCALE : 1 IN:40 FT



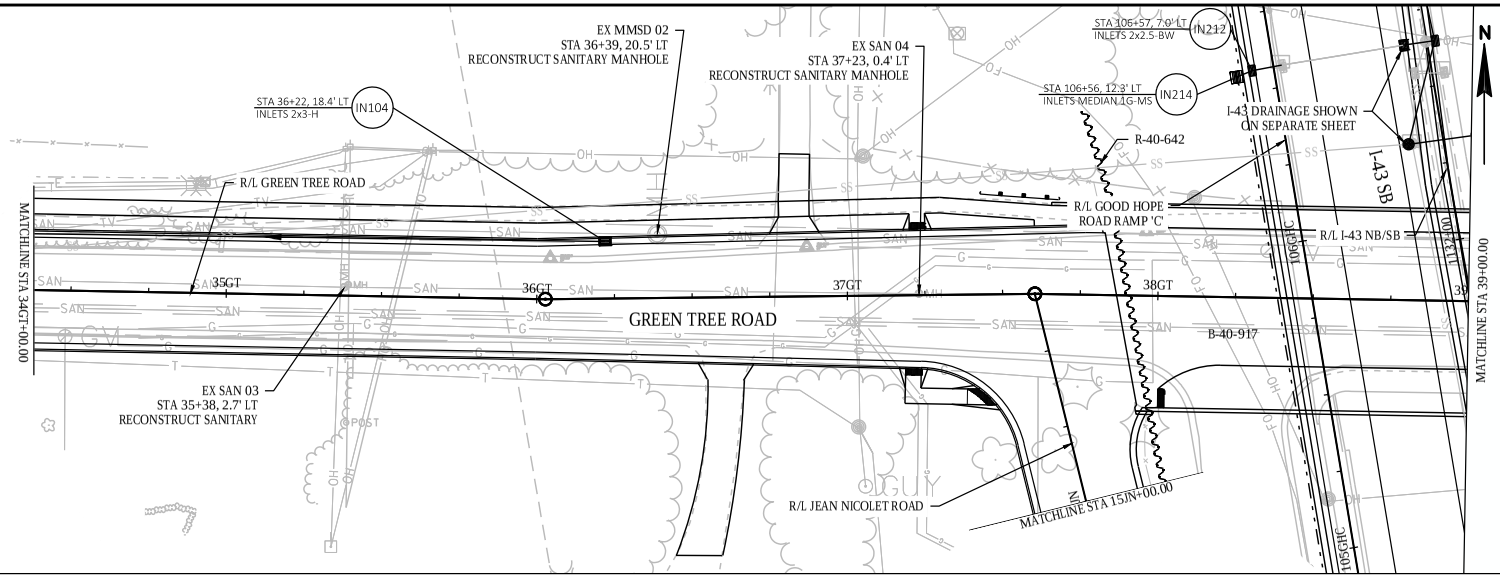


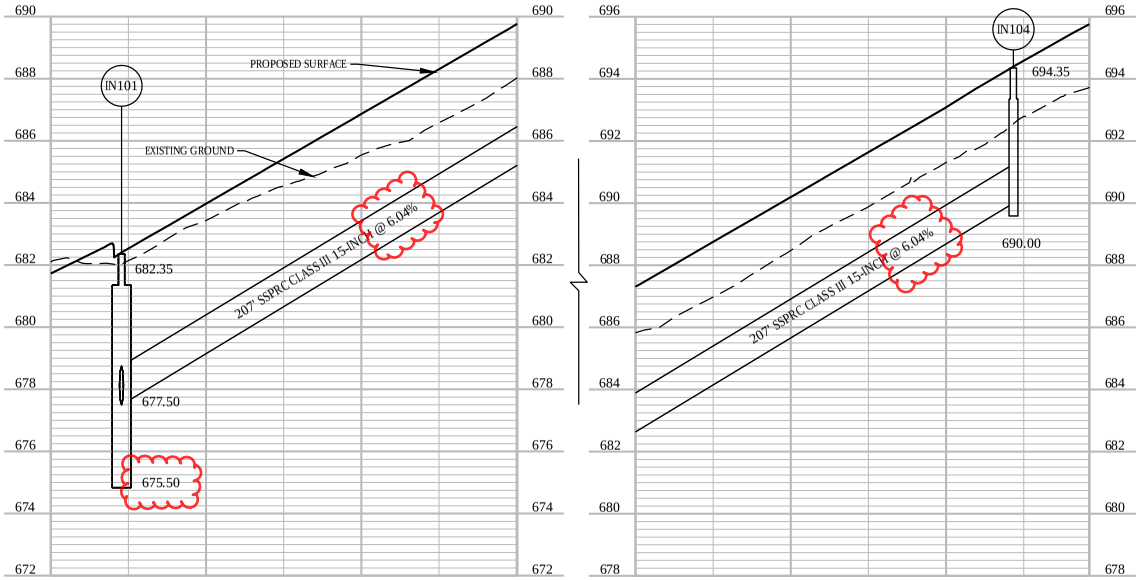


Addendum No. 01
ID 1228-16-71
Revised Sheet 58
March 6, 2018

PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	SEWER	SHEET 58	E

FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\022501_SS.DWG
LAYOUT NAME - 022501a_ss
PLOT DATE : 2/26/2018 1:46 PM
PLOT BY : ANDREW ROSEMEYER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

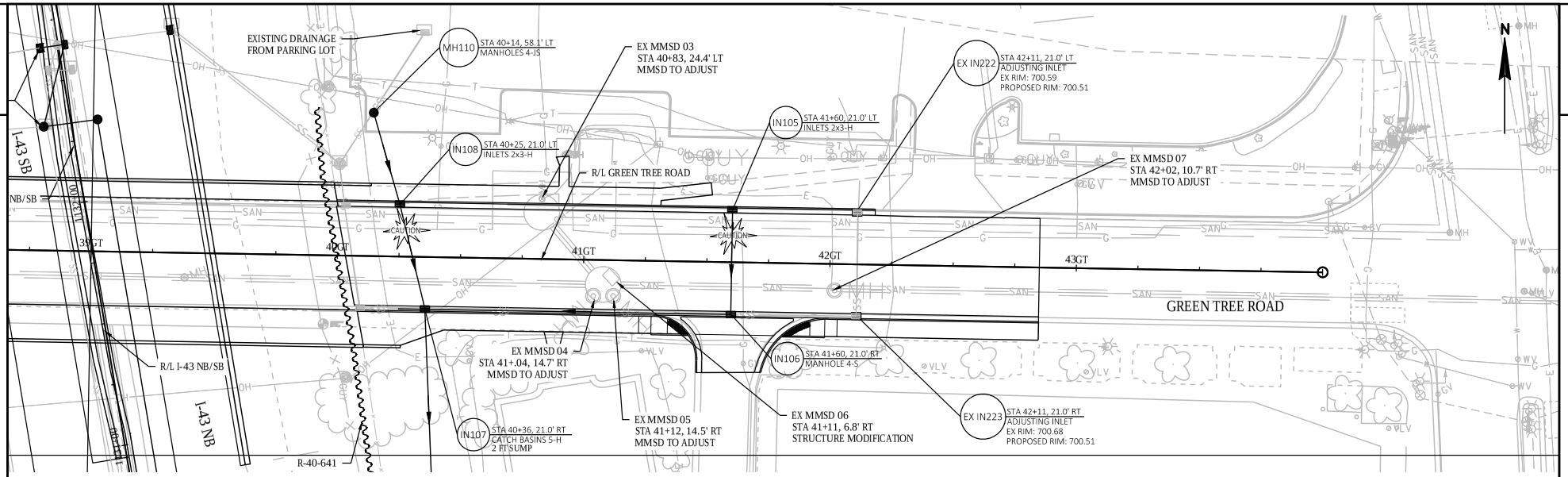


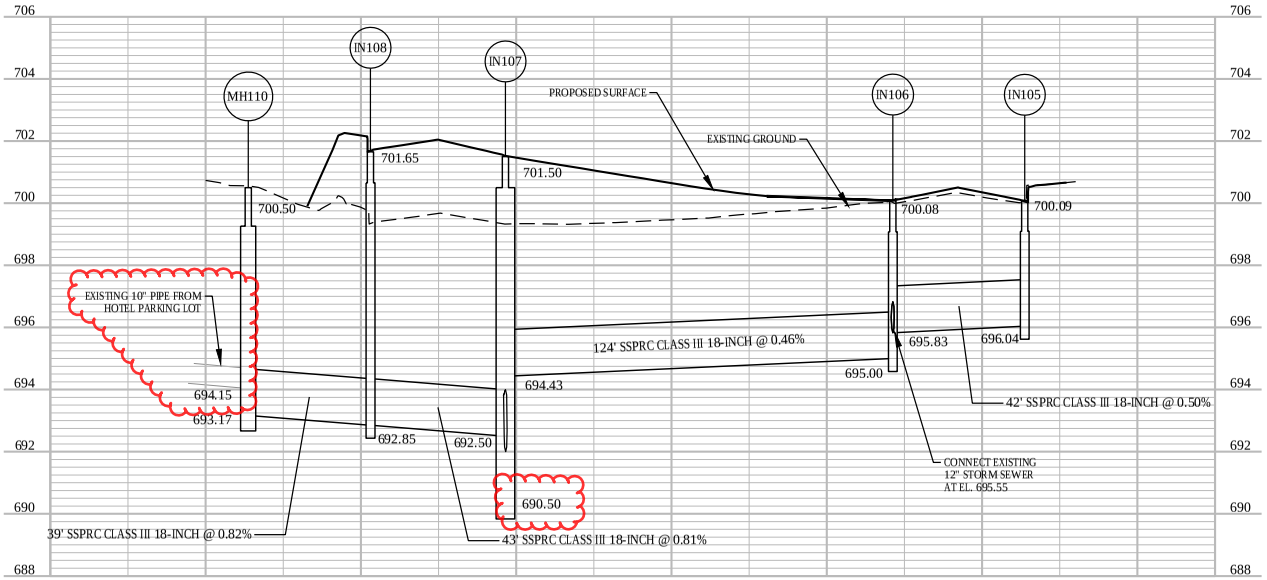


Addendum No. 01
ID 1228-16-71
Revised Sheet 59
March 6, 2018

PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	SEWER	SHEET 59	E

FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\022501_SS.DWG
LAYOUT NAME - 022501b_ss
PLOT DATE : 2/26/2018 1:48 PM PLOT BY : ANDREW ROSEMEYER PLOT NAME : PLOT SCALE : 1 IN:40 FT

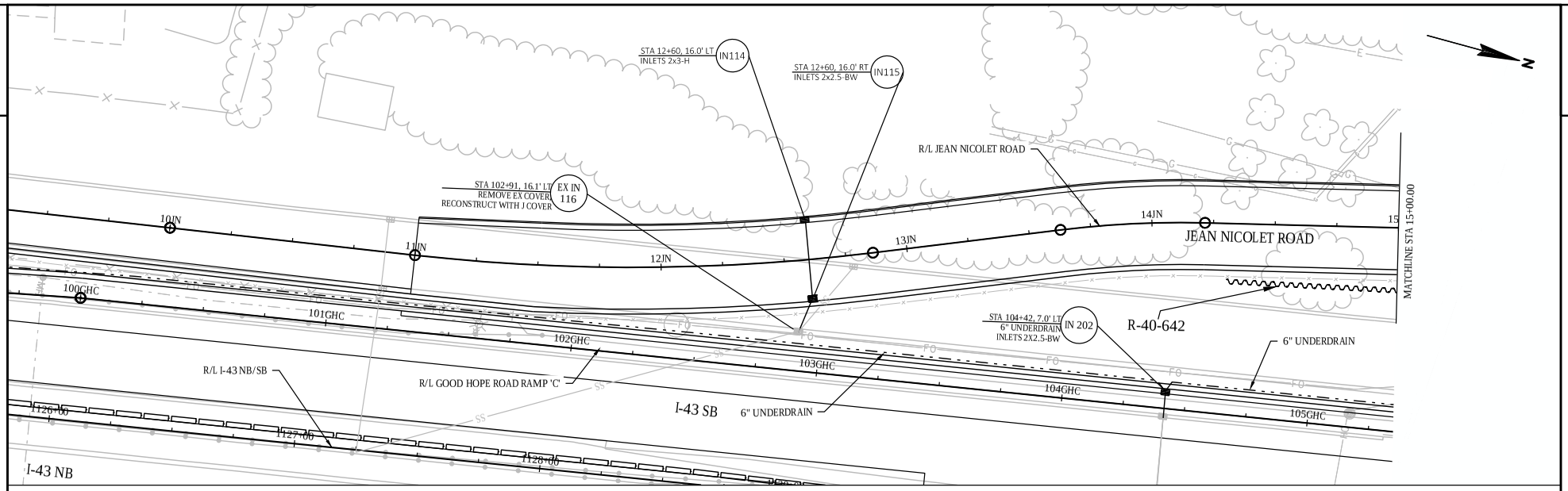


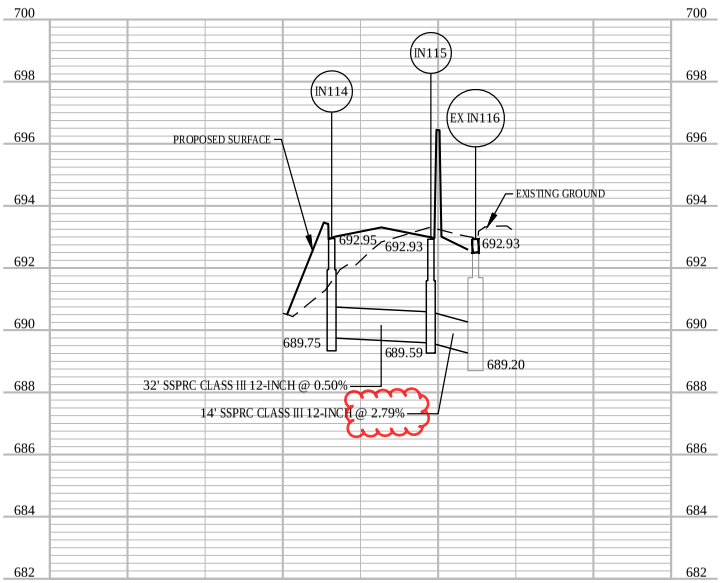


Addendum No. 01
ID 1228-16-71
Revised Sheet 60
March 6, 2018

PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	SEWER	SHEET 60	E

FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\022501_SS.DWG
LAYOUT NAME - 022502_ss
PLOT DATE : 2/26/2018 1:51 PM PLOT BY : ANDREW ROSEMEYER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

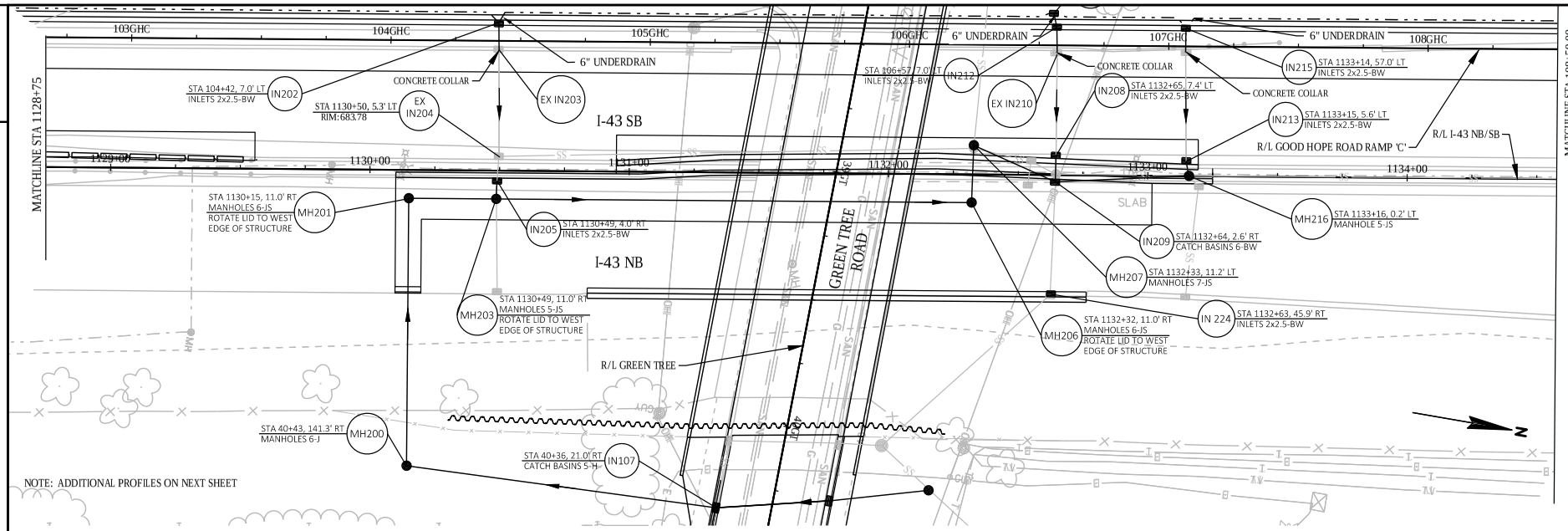


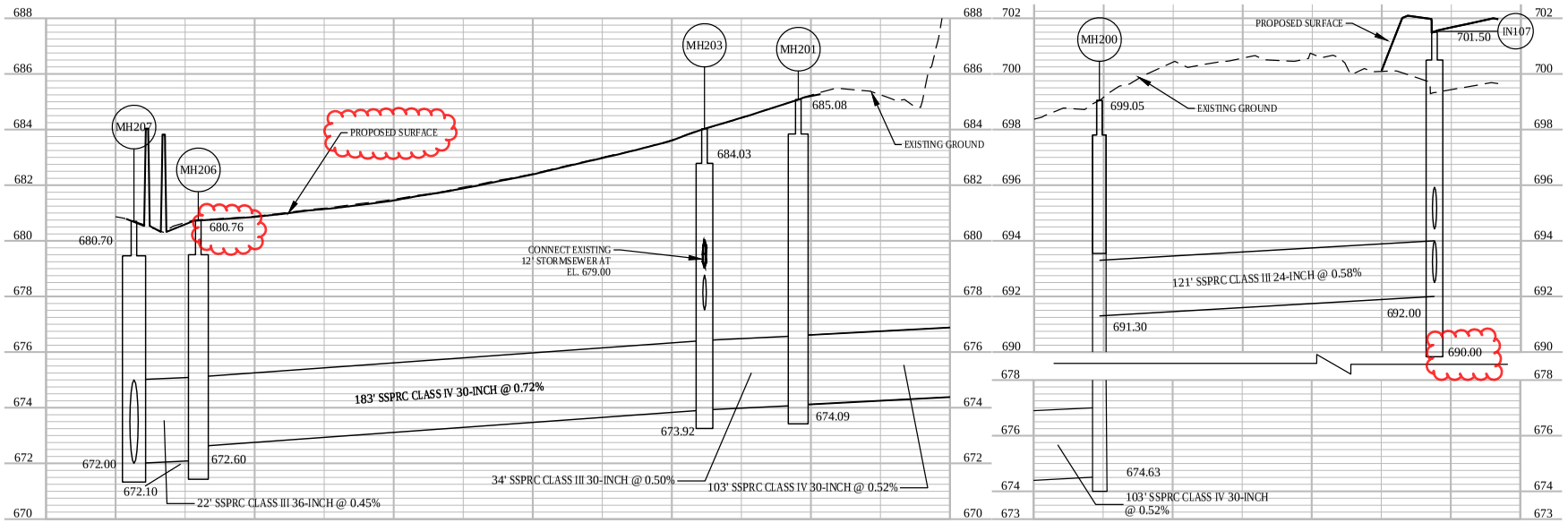


Addendum No. 01
ID 1228-16-71
Revised Sheet 61
March 6, 2018

PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	SEWER	SHEET 61	E

FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\022501_SS.DWG
LAYOUT NAME - 022503_ss
PLOT DATE : 2/26/2018 1:53 PM PLOT BY : ANDREW ROSEMEYER PLOT NAME : PLOT SCALE : ##########

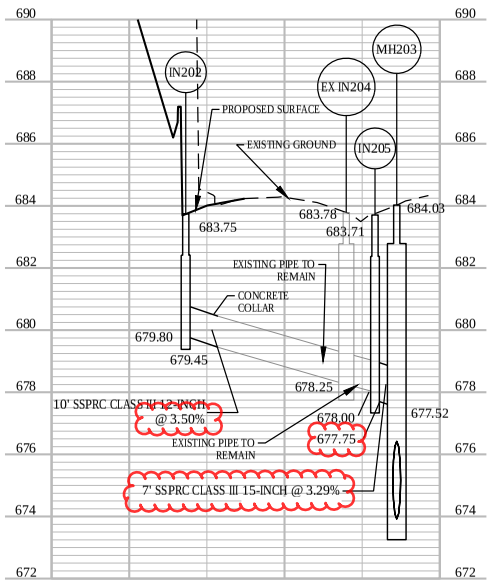


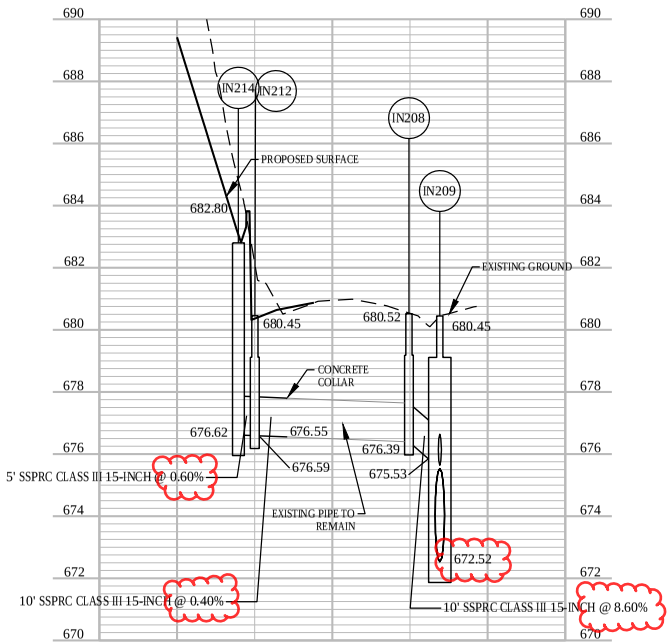


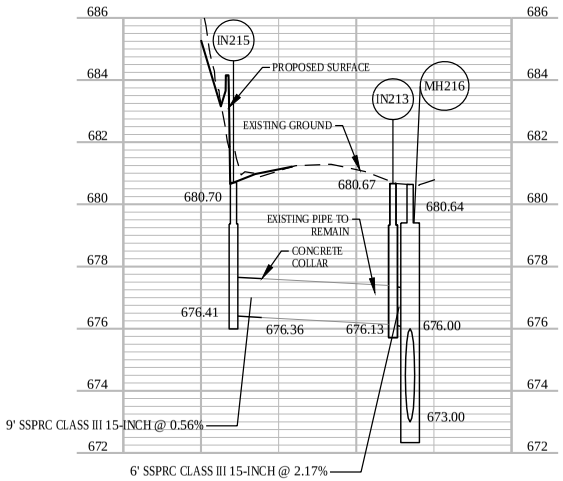
Addendum No. 01
ID 1228-16-71
Revised Sheet 63
March 6, 2018

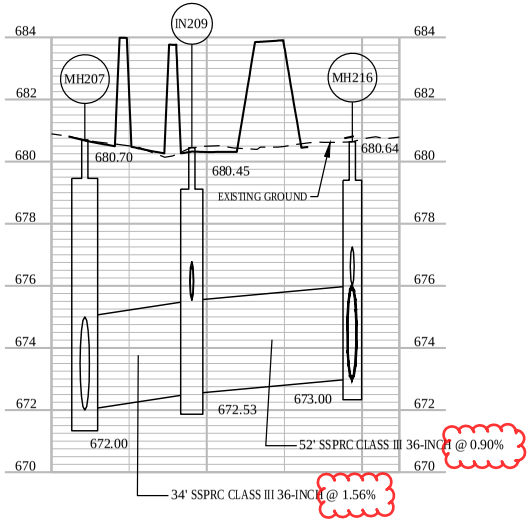
PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	SEWER	SHEET 63	E

FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\022502_SS.DWG
LAYOUT NAME - 022504B_ss
PLOT DATE : 2/26/2018 2:04 PM
PLOT BY : ANDREW ROSEMEYER
PLOT NAME :
PLOT SCALE : Custom





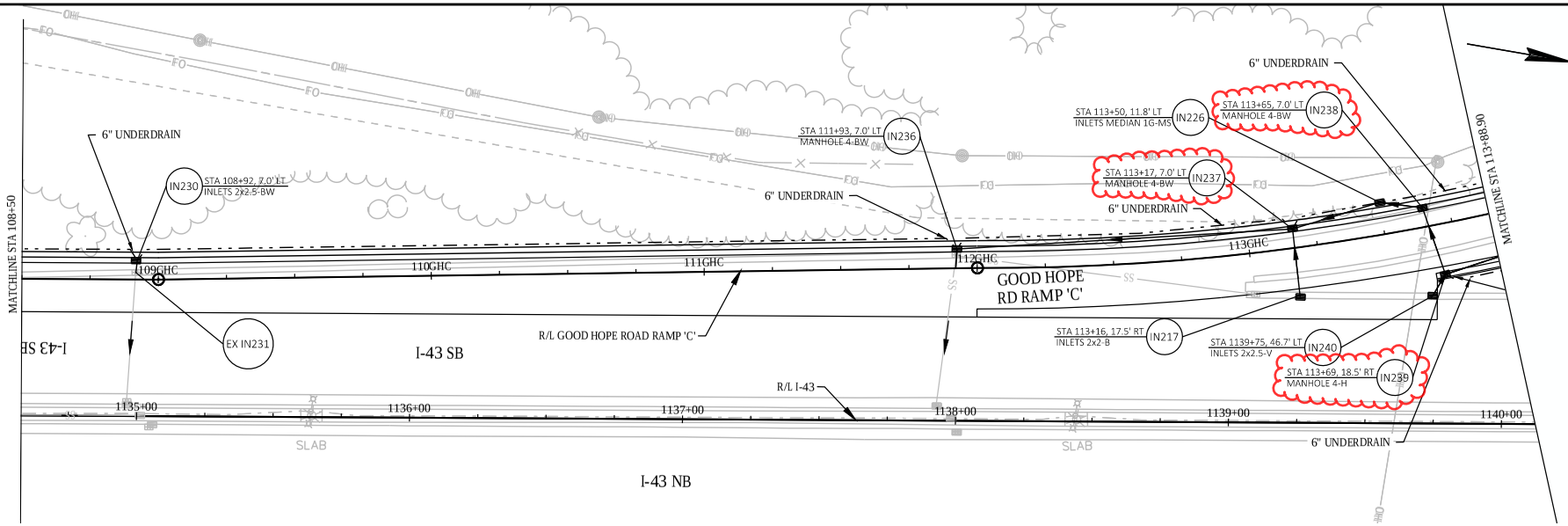


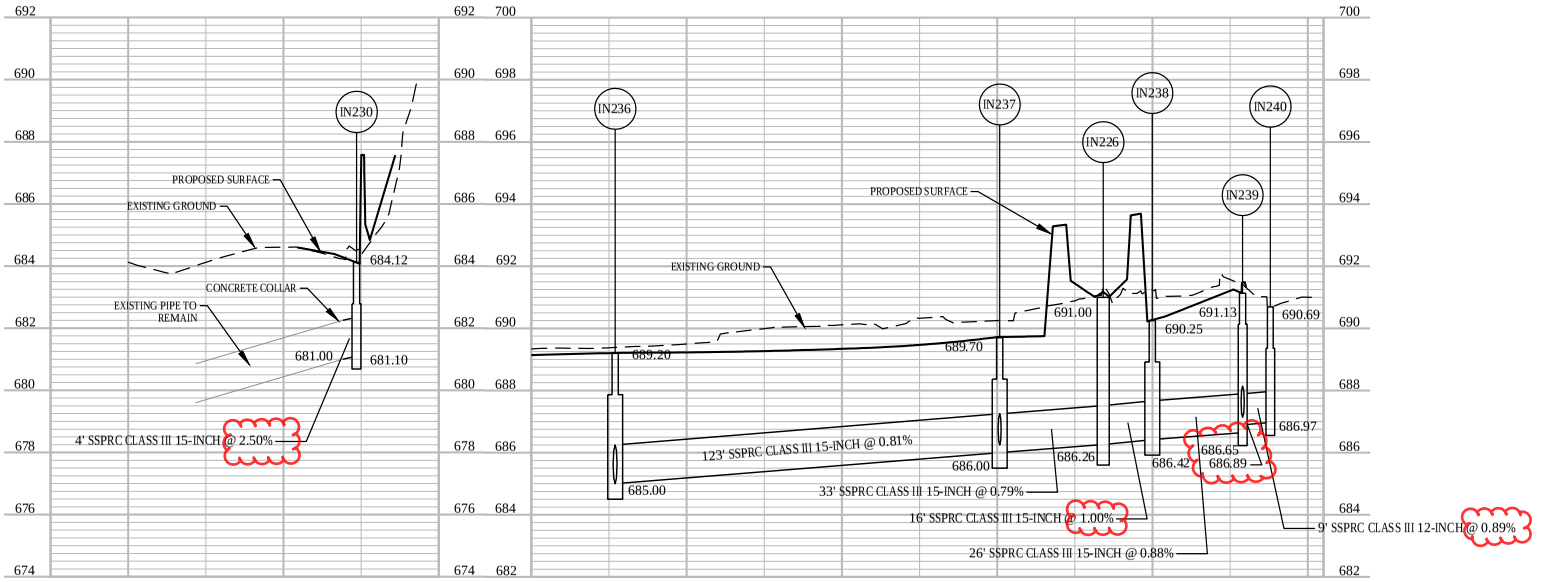


Addendum No. 01
ID 1228-16-71
Revised Sheet 64
March 6, 2018

PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	SEWER	SHEET 64	E

FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\022502_SS.DWG
LAYOUT NAME - 022504C_ss
PLOT DATE : 2/26/2018 2:05 PM
PLOT BY : ANDREW ROSEMEYER
PLOT NAME :
PLOT SCALE : ##########

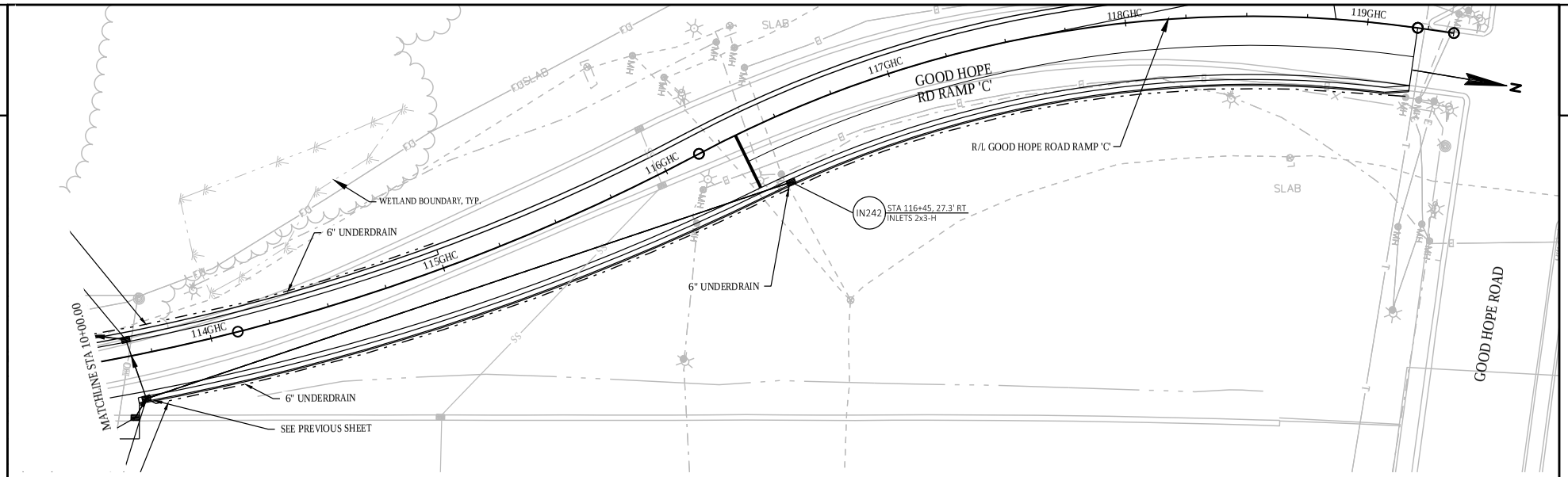


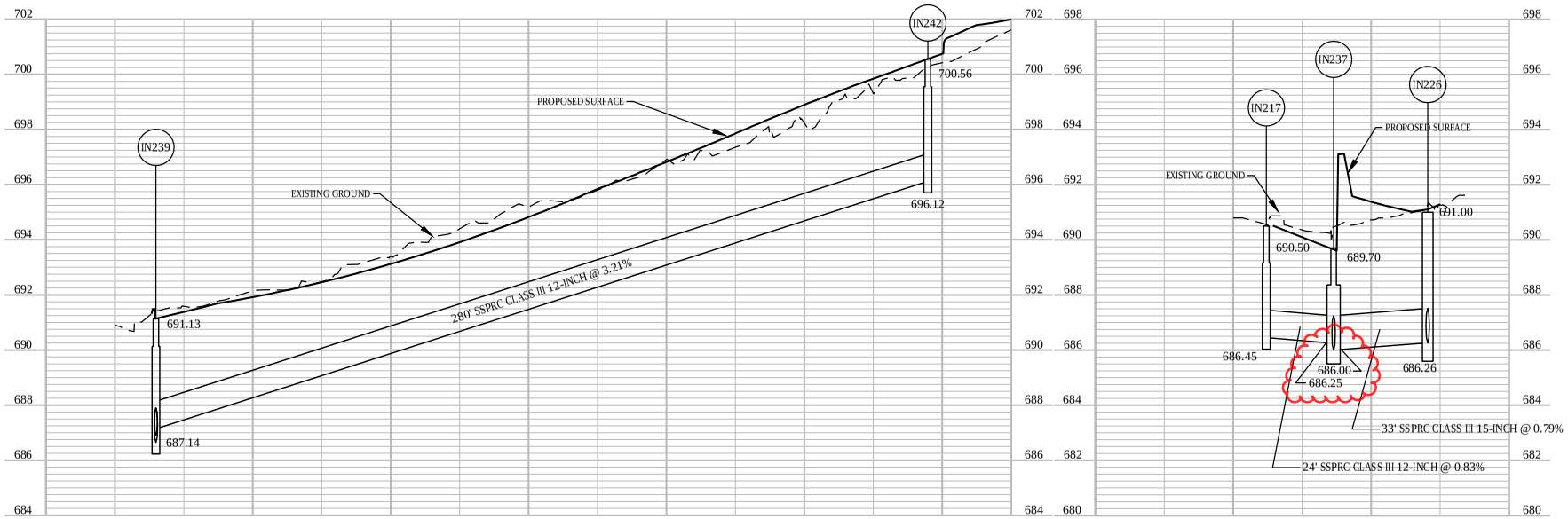


Addendum No. 01
ID 1228-16-71
Revised Sheet 65
March 6, 2018

PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	SEWER	SHEET 65	E

FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\022502_SS.DWG
LAYOUT NAME - 022505_ss
PLOT DATE : 2/26/2018 2:07 PM
PLOT BY : ANDREW ROSEMEYER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

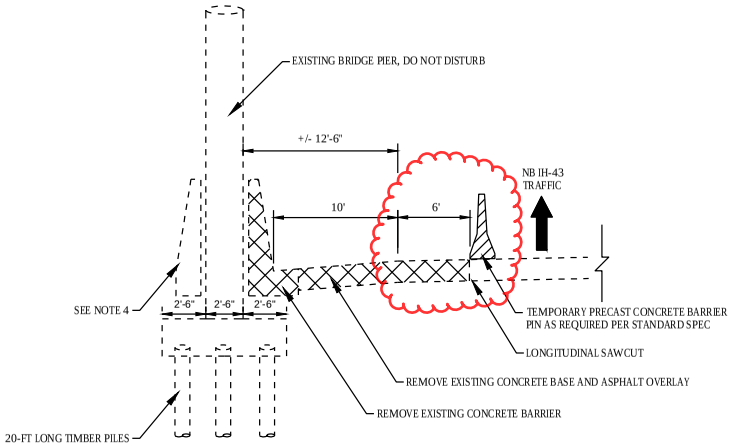




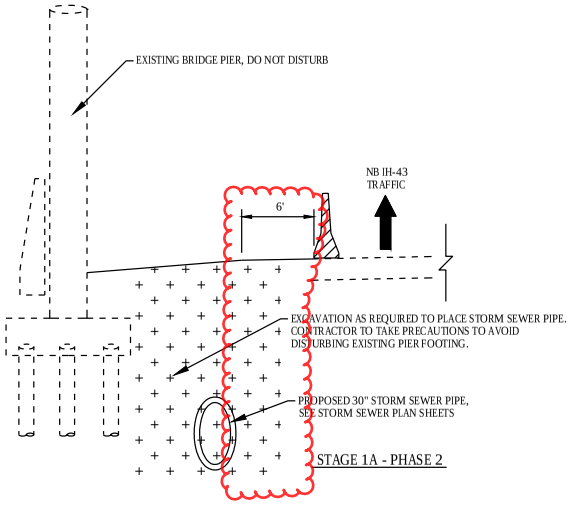
Addendum No. 01
ID 1228-16-71
Revised Sheet 66
March 6, 2018

PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	SEWER	SHEET 66	E

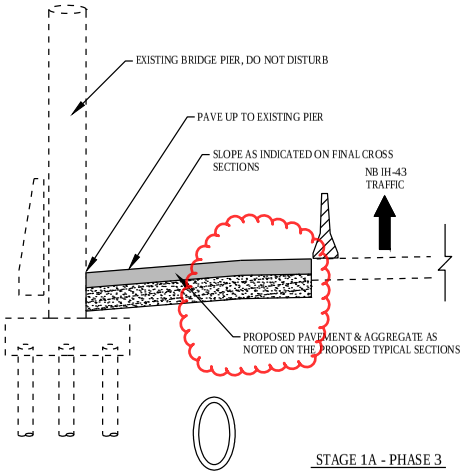
FILE NAME : F:\DESIGN\PLANS\1229040 1\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\022502_SS.DWG
LAYOUT NAME - 022506_ss
PLOT DATE : 2/26/2018 2:10 PM PLOT BY : ANDREW ROSEMEYER PLOT NAME : PLOT SCALE : Custom
WISDOT/CADDS SHEET 41



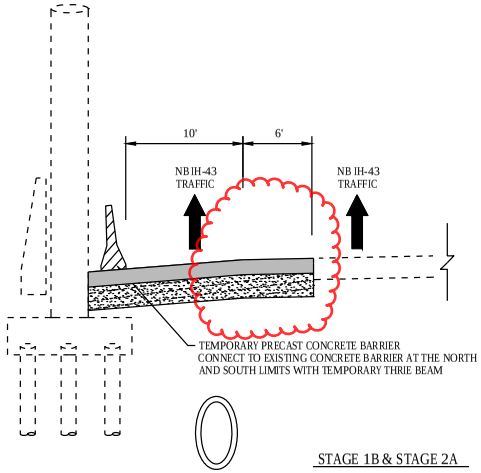
STAGE 1A - PHASE 1



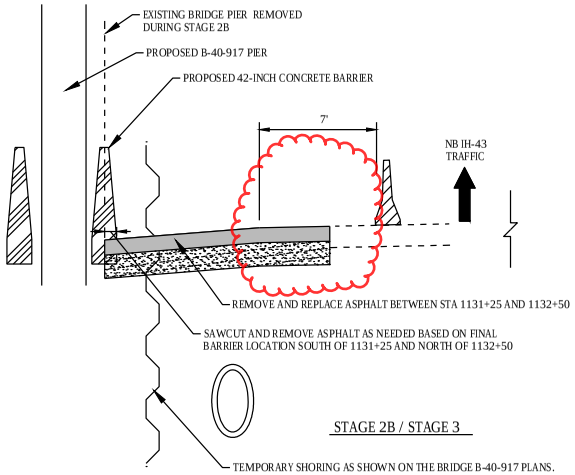
STAGE 1A - PHASE 2



STAGE 1A - PHASE 3



STAGE 1B & STAGE 2A



STAGE 2B / STAGE 3

NB IH-43 MEDIAN CONSTRUCTION DETAILS

Addendum No. 01
ID 1228-16-71
Revised Sheet 102
March 6, 2018

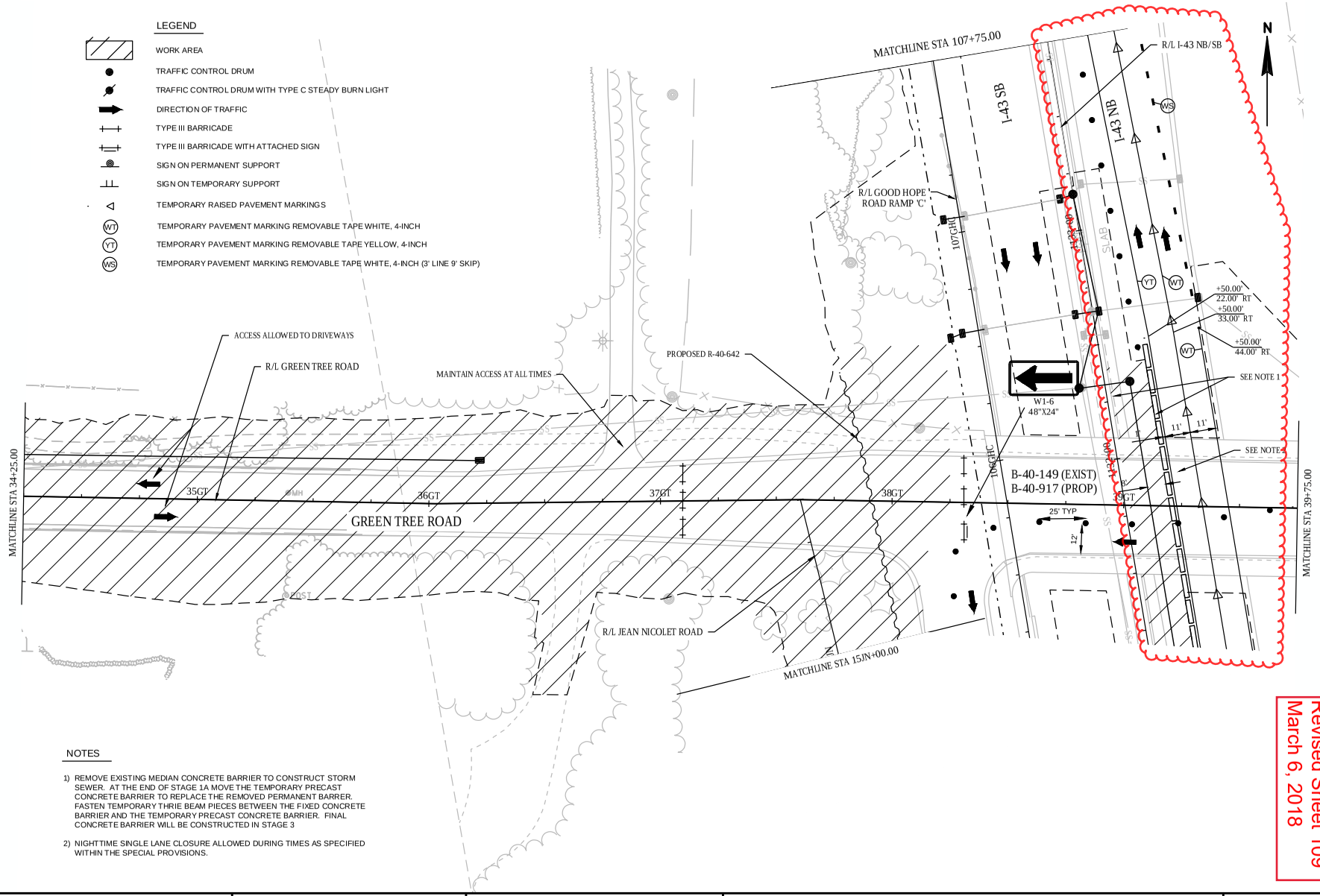
NOTES:

1) INFORMATION ABOVE IS BASED ON STAGING PLAN AS SHOWN AND AS DISCUSSED IN THE PROSECUTION AND PROGRESS. ANY DEVIATIONS TO THE PROPOSED STAGING PLAN WILL ALTER THE DETAILS AS SHOWN ABOVE. THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO DETERMINE THE APPROPRIATE STEPS TO UPDATE THIS DETAIL AS NEEDED.
2) OFFSETS MAY VARY SLIGHTLY AND NEED TO BE FIELD VERIFIED PRIOR TO ANY CONSTRUCTION ACTIVITIES.
3) REFER TO THE GENERAL NOTES FOR INSTRUCTIONS RELATED TO EXISTING UTILITIES.
4) REMOVE BARRIER AS NEEDED TO CONSTRUCT STORM PIPE BETWEEN MH206 AND MH207

PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	TRAFFIC CONTROL DETAILS	SHEET 102	E

FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\025500_TC.DWG
LAYOUT NAME - 025504_tc
PLOT DATE : 2/27/2018 4:49 PM
PLOT BY : ANDREW ROSEMEYER
PLOT NAME :
PLOT SCALE : 1 IN:1 0 FT
WISDOT/CADDS SHEET 42

2



NOTES

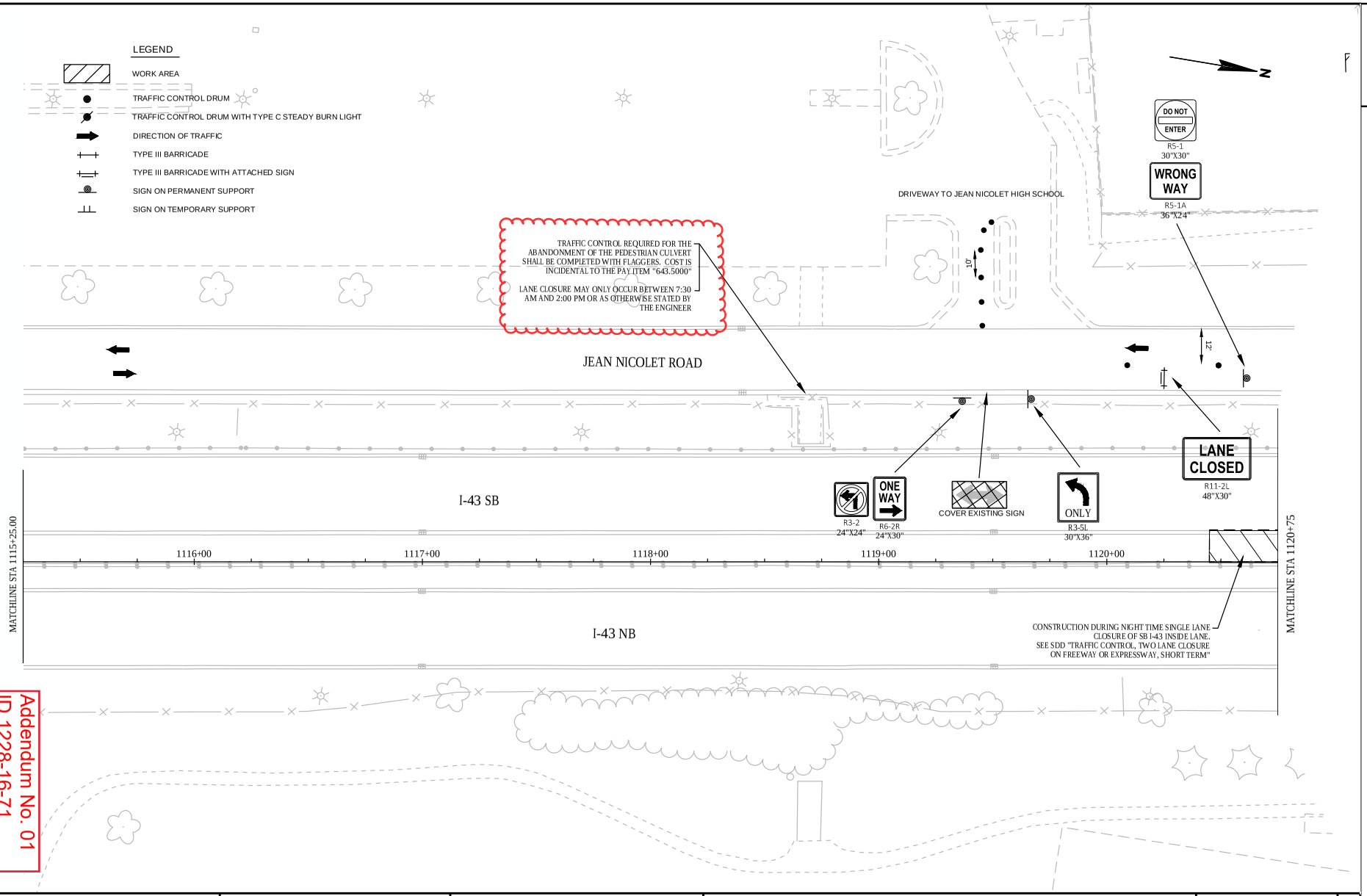
1) REMOVE EXISTING MEDIAN CONCRETE BARRIER TO CONSTRUCT STORM SEWER. AT THE END OF STAGE 1A MOVE THE TEMPORARY PRECAST CONCRETE BARRIER TO REPLACE THE REMOVED PERMANENT BARRER. FASTEN TEMPORARY THRIE BEAM PIECES BETWEEN THE FIXED CONCRETE BARRIER AND THE TEMPORARY PRECAST CONCRETE BARRIER. FINAL CONCRETE BARRIER WILL BE CONSTRUCTED IN STAGE 3

2) NIGHTTIME SINGLE LANE CLOSURE ALLOWED DURING TIMES AS SPECIFIED WITHIN THE SPECIAL PROVISIONS.

Addendum No. 01
ID 1228-16-71
Revised Sheet 109
March 6, 2018

PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1A	SHEET 109	E

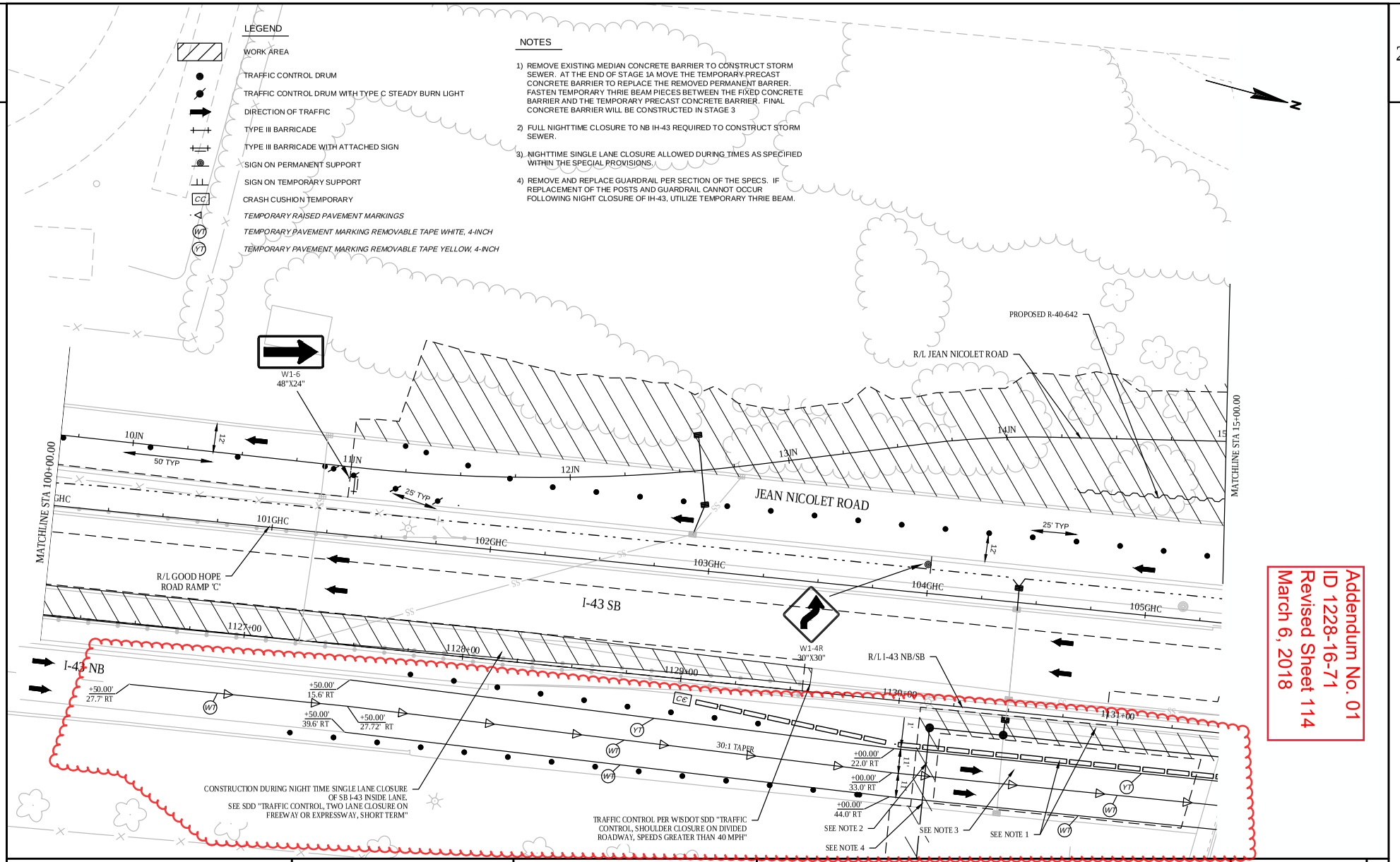
FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\026101_ST1A.DWG
LAYOUT NAME - 026102_ST1A
PLOT DATE : 2/27/2018 6:47 PM
PLOT BY : ANDREW ROSEMEYER
PLOT NAME :
PLOT SCALE : ##########



Addendum No. 01
ID 1228-16-71
Revised Sheet 112
March 6, 2018

PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1A	SHEET 112	E

FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\026101_ST1A.DWG
LAYOUT NAME - 026105_ST1A
PLOT DATE : 2/27/2018 6:32 PM
PLOT BY : ANDREW ROSEMEYER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

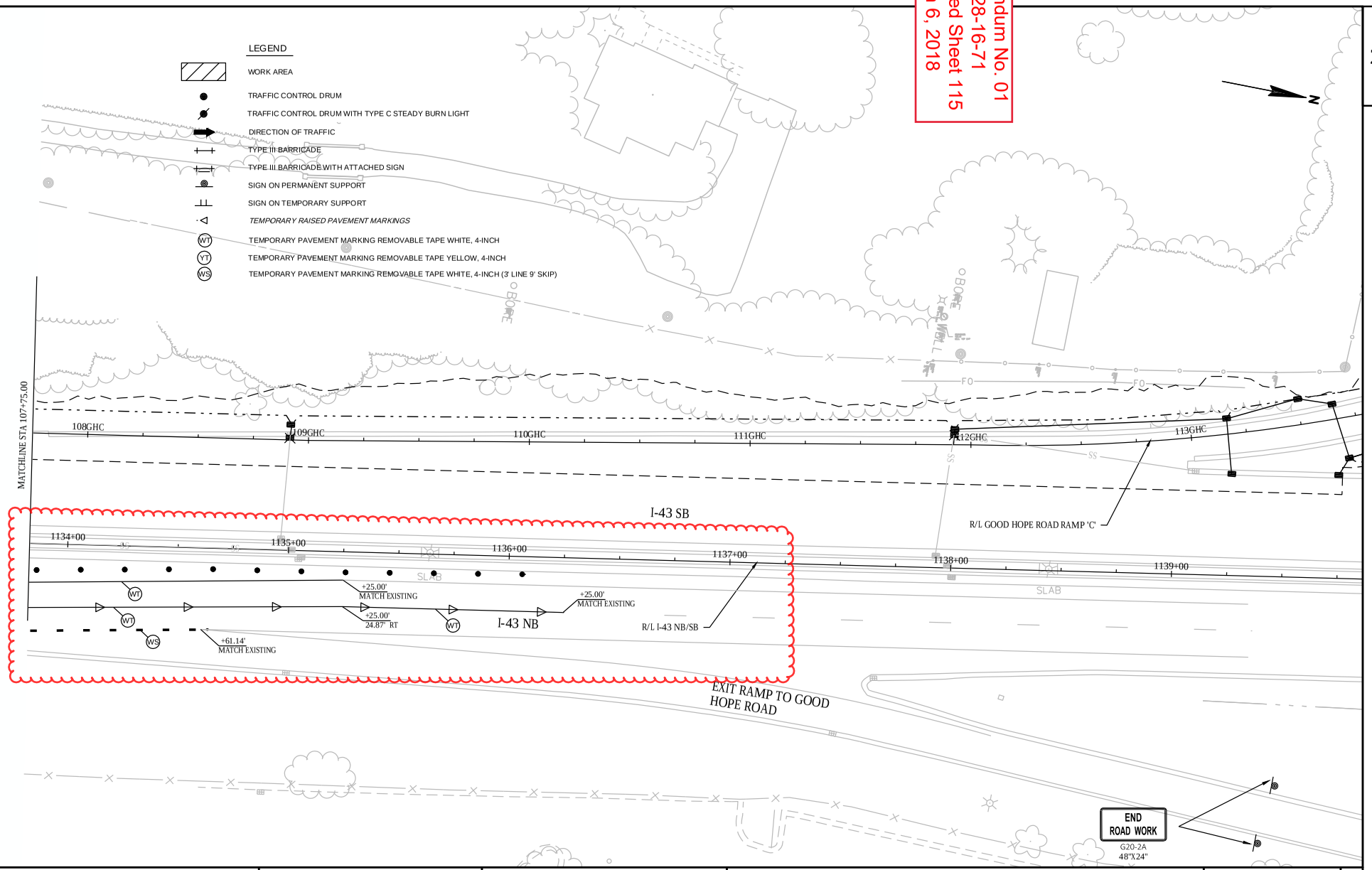


Addendum No. 01
ID 1228-16-71
Revised Sheet 114
March 6, 2018

PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1A	SHEET 114	E

FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\026101_ST1A.DWG
LAYOUT NAME - 026107_ST1A
PLOT DATE : 2/23/2018 9:03 AM
PLOT BY : ANDREW ROSEMEYER
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

Addendum No. 01
ID 1228-16-71
Revised Sheet 115
March 6, 2018



PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1A	SHEET 115	E

FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\026101_ST1A.DWG
LAYOUT NAME - 026108_ST1A
PLOT DATE : 2/23/2018 8:59 AM
PLOT BY : ANDREW ROSEMEYER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

REMOVING DRAIN ITEMS

ROADWAY	FROM STATION	FROM OFFSET	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH
PROJECT 1228-16-71				
GOOD HOPE SB ON RAMP	102GHC+91	16.2' LT	--	1
	106GHC+57	2.8' RT	--	1
	107GHC+07	2.6' RT	--	1
	108GHC+92	1.1' LT	--	1
	111GHC+93	4.4' LT	--	1
	113GHC+01	15.6 RT	--	1
	115GHC+98	20.3' LT	--	1
	115GHC+97	4.8' LT	--	1
GREEN TREE ROAD	34GT+00	13' RT	--	1
	34GT+06	13' LT	--	1
	40GT+10	21.1' RT	--	1
	40GT+00	37.2' LT	1	--
	40GT+03	20.6' LT	--	1
I-43	1131+54	4' RT	--	1
	1131+55	5.5' LT	--	1
	1132+33	10.1' LT	1	--
	1132+64	0.4' LT	1	--
	1133+15	5.6' LT	--	1
JEAN NICOLET ROAD	12JN+78	4.6' RT	--	1
PROJECT 1228-16-71 TOTAL			3	16

REMOVING STORM SEWER

ROADWAY	FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	204.0245 REMOVING STORM SEWER 12-INCH LF	204.0245 REMOVING STORM SEWER 15-INCH LF	204.0245 REMOVING STORM SEWER 36-INCH LF
PROJECT 1228-16-71							
GOOD HOPE SB ON RAMP	115GHC+96	19.5' LT	115GHC+96	5' RT	25	--	--
	114GHC+81	55.0' RT	115GHC+96	5' RT	130	--	--
GREEN TREE ROAD	33GT+89	18.8' RT	34GT+06	13.2' RT	--	42	--
	40GT+00	36.7' LT	40GT+10	21.8' RT	--	59	--
JEAN NICOLET ROAD	12JN+54	28.6' RT	12JN+78	4.8' RT	34	--	--
I-43	1130+93	6.6' LT	1132+33	10.0' LT	--	139	--
	1132+16	120.9' RT	1132+62.5	46.8' RT	--	110	--
	1132+33	10.0' LT	1133+15	5.8' LT	--	--	90
	1132+54	5.2' LT	1132+54	3.4' RT	--	9	--
PROJECT 1228-16-71 TOTAL					189	359	90

REMOVING FENCE

ROADWAY	FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	204.0170 REMOVING FENCE LF
PROJECT 1228-16-71					
GOOD HOPE SB ON RAMP	98GHC+75	18.6' LT	101GHC+88	3.9' LT	315
GREEN TREE ROAD	37GT+44	41' LT	38GT+39	31.3' LT	97
I-43	1131+94	87.2' RT	1132+67	102.4' RT	78
PROJECT 1228-16-71 TOTAL					490

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REMOVING SIDEWALK

ROADWAY	STATION			OFFSET	204.0155 REMOVING SIDEWALK SY
PROJECT 1228-16-71					
GREEN TREE ROAD	31GT+00	-	38GT+40	LT	411
	39GT+85	-	41GT+50	LT	110
	39GT+85	-	42GT+85	RT	167
PROJECT 1228-16-71 TOTAL					688

FINISHING ROADWAY

ROADWAY	213.0100 FINISHING ROADWAY 1228-16-71 EACH
PROJECT 1228-16-71	1
PROJECT 1228-16-71 TOTAL	1

ALL ITEMS CATEGORY 0010

CATEGORY	DIVISION	LOCATION	FROM/TO STATION	COMMON EXCAVATION (CY) (1) (2) 205.0100	EXCAVATION BELOW SUBGRADE (1)	FILL (CY)	MASS ORDINATE +/- (5)	BACKFILL STRUCTURE TYPE A (TON) 210.1500	BORROW 1.25 EX FACTOR (TON) 208.0100	EXCAVATION, HAULING, AND DISPOSAL OF CREOSOTE CONTAMINATED SOIL (TON) SPV.0195.01	COMMENTS
0010	1	GREEN TREE ROAD	31GT+00 TO 37GT+89	513	0	1,706	-1,193	0	2,132	0	
		JEAN NICOLET ROAD	8JN+42 TO 15JN+00	893	0	158	735	0	197	0	
	DIVISION 1 SUBTOTAL			1,406	0	1,864	-458	0	2,330	0	
0010	2	GREEN TREE ROAD	40GT+08 TO 42GT+85	446	0	190	256	0	237	0	
	DIVISION 2 SUBTOTAL			446	0	190	256	0	237	0	
0010	3	IH-43	1120+45 TO 1133+19	2,341	234	10	2,331	0	12	0	
		GOOD HOPE ROAD SOUTHBOUND ENTRANCE RAMP	96GHC+50 TO 119+00	11,768	1,177	406	11,362	741	508	0	
		CONTAMINATED SOIL ALONG IH-43	1131+27 TO 1132+59	-1,239	0	0	0	0	0	2,110	
	DIVISION 3 SUBTOTAL			12,869	1,411	416	13,692	741	520	2,110	
			PROJECT 1228-16-71 TOTAL	16,132		2,470	13,490	741	3,087	2,110	

1) EXCAVATION COMMON = CUT + EBS EXCAVATION. ITEM NUMBER 205.0100. EBS ASSUMES 10% OF THE COMMON EXCAVATION AT THE PARTICULAR STATION.
2) CUT VOLUME INCLUDES CONCRETE AND ASPHALTIC SURFACE MATERIAL.
3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL UNLESS OTHERWISE NOTED IN PLANS.
4) ROADWAY EMBANKMENT = FILL
5) MASS ORDINATE = CUT - FILL. THE MASS ORDINATE IS FOR INFORMATION PURPOSES ONLY AS COMMON EXCAVATION AND ROADWAY EMBANKMENT (BORROW) ARE NOT BALANCED FOR QUANTITY PURPOSES AND DOES NOT GUARANTEE THE QUALITY OF COMMON EXCAVATION, AND IF IT CAN BE REUSED ONSITE. ALL EBS MATERIAL IS ASSUMED TO BE WASTED OFFSITE.
6) EXCAVATED CRESOTE CONTAMINATED SOILS ARE QUANTIFIED AS SHOWN WITH STATION RANGES AND ELEVATIONS DEPTHS SUPPLIED WITHIN THE SPECIALS. DISPOSAL IS PAID UNDER ITEM SPV.0195.01. CONVERSION FACTOR ESTIMATED AT 1.7 TONS PER CY.
7) DIVISON NUMBERING IS INDEPENDENT OF CONSTRUCTION STAGING NUMBERING

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ALL ITEMS CATEGORY 0010

SUBSTRUCTURE

ROADWAY	STATION FROM		STATION TO	OFFSET	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	311.0110 BREAKER RUN TON	312.0110 SELECT CRUSHED MATERIAL TON	624.0100 WATER MGAL	SPV.0180.01 GEOGRID REINFORCEMENT SY	COMMENTS
STAGE 1A											
I-43 NB	1130+10	-	1132+40	RT	--	239	--	--	3.6	--	
I-43 NB	1130+10	-	1130+20	RT	--	144	--	--	0.0	--	PIPE CROSSING
I-43 SB	1120+45	-	1129+59	LT	--	564	--	--	8.5	--	
STAGE 1A SUBTOTALS					--	947	--	--	12.0	--	
STAGE 2A											
GOOD HOPE SB ON RAMP	96GHC+40	-	112GHC+00	LT/RT	--	2,233	--	--	33.5	--	
	96GHC+40	-	112GHC+00	LT/RT	--	--	3,216	--	--	--	
	112GHC+00	-	119GHC+21	LT/RT	--	1,728	--	--	25.9	260	EBS
	112GHC+00	-	119GHC+21	LT/RT	--	--	2,488	--	--	--	
	112GHC+00	-	119GHC+21	LT/RT	--	--	--	173	--	--	
STAGE 2A SUBTOTALS					--	3,961	5,704	173	59.4	260	
STAGE 2B											
GREEN TREE ROAD	31GT+00	-	37GT+87	LT/RT	--	2,008	--	--	30.1	--	
	31GT+00	-	37GT+82	LT	--	92	--	--	1.4	--	SIDEWALK LEFT
	32GT+52	-	32GT+62	LT	--	6	--	--	0.1	--	DRIVEWAY LEFT
	32GT+84	-	33GT+08	RT	--	3	--	--	0.1	--	SIDEWALK RIGHT
	32GT+85	-	32GT+96	LT	--	7	--	--	0.1	--	DRIVEWAY LEFT
	33GT+04	-	33GT+12	RT	1	--	--	--	--	--	RESIDENT PATH
	33GT+44	-	33GT+54	LT	--	6	--	--	0.1	--	DRIVEWAY LEFT
	33GT+47	-	33GT+58	RT	3	--	--	--	--	--	RESIDENT PATH
	33GT+51	-	34GT+01	RT	--	7	--	--	0.1	--	SIDEWALK RIGHT
	36GT+52	-	36GT+69	RT	--	45	--	--	0.7	--	DRIVEWAY RIGHT
	36GT+78	-	36GT+88	LT	--	9	--	--	0.1	--	DRIVEWAY LEFT
	37GT+17	-	37GT+49	RT	--	5	--	--	0.1	--	SIDEWALK RIGHT
JEAN NICOLET ROAD	8JN+42	-	11JN+00	RT	--	96	--	--	1.4	--	
	11JN+00	-	15JN+35	LT/RT	--	1,076	--	--	16.1	--	
I-43 NB	1130+84	-	1132+77	RT	--	29	--	--	0.4	--	
STAGE 2B SUBTOTALS					4	3,389	--	--	50.9	--	
STAGE 3											
GREEN TREE ROAD	39GT+98	-	42GT+34	LT	--	26	--	--	0.4	--	SIDEWALK LEFT
	40GT+03	-	42GT+85	LT/RT	--	833	--	--	12.5	--	
	40GT+08	-	41GT+43	RT	--	26	--	--	0.4	--	SIDEWALK RIGHT
	41GT+37	-	41GT+89	RT	--	43	--	--	0.6	--	
	41GT+81	-	42GT+85	RT	--	17	--	--	0.3	--	SIDEWALK RIGHT
I-43 SB	1130+95		1133+19	LT	33	207	--	--	3.1	--	
STAGE 3 SUBTOTALS					33	1,152	--	--	17.3	--	
PROJECT 1228-16-71 TOTALS					37	9,449	5,704	173	140.0	260	

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CONCRETE ITEMS

ROADWAY	STATION			OFFSET	415.0100 CONCRETE PAVEMENT 10-INCH SY	416.0170 CONCRETE DRIVEWAY 7-INCH SY	416.0610 DRILLED TIE BARS EACH	416.1715 CONCRETE PAVEMENT REPAIR SHES SY	602.0410 CONCRETE SIDEWALK 5-INCH SF	SPV.0165.01 SALVAGE AND REPLACE BRICK PAVERS SF	209.0200.S BACKFILL CONTROLLED LOW STRENGTH CY	COMMENTS
STAGE 1A												
IH-43 NB	1130+10	-	1130+20	RT	--	--	--	33	--	--	22	PIPE CROSSING
STAGE 1A SUBTOTALS					--	--	--	33	--	--	22	
STAGE 2B												
GREEN TREE ROAD	31GT+00	-	32GT+52	LT	--	--	--	--	736	--	--	SIDEWALK LEFT
	32GT+49	-	32GT+65	LT	--	13	--	--	--	--	--	
	32GT+62	-	32GT+85	LT	--	--	--	--	114	--	--	SIDEWALK LEFT
	32GT+82	-	32GT+99	LT	--	14	--	--	--	--	--	
	32GT+84	-	33GT+08	RT	--	--	--	--	117	--	--	SIDEWALK RIGHT
	32GT+96	-	33GT+44	LT	--	--	--	--	240	--	--	SIDEWALK LEFT
	33GT+04	-	33GT+12	RT	--	--	--	--	50	--	--	RESIDENT PATH
	33GT+41	-	33GT+57	LT	--	13	--	--	--	--	--	
	33GT+47	-	33GT+58	RT	--	--	--	--	50	--	--	RESIDENT PATH
	33GT+51	-	34GT+01	RT	--	--	--	--	290	--	--	SIDEWALK RIGHT
	33GT+54	-	36GT+78	LT	--	--	--	--	1,651	--	--	SIDEWALK LEFT
	36GT+75	-	36GT+91	LT	--	13	--	--	--	--	--	
	36GT+88	-	37GT+82	LT	--	--	--	--	534	--	--	SIDEWALK LEFT
	37GT+17	-	37GT+49	RT	--	--	--	--	192	--	--	SIDEWALK RIGHT
IH-43 NB	1130+84	-	1132-77	RT	86	--	65	--	--	--	--	UNDER BARRIER
STAGE 2B SUBTOTALS					86	53	65	--	3,974	--	--	
STAGE 3												
GREEN TREE ROAD	39GT+99	-	41GT+52	LT	--	--	--	--	1,064	--	--	SIDEWALK LEFT
	40GT+08	-	41GT+42	RT	--	--	--	--	1,064	--	--	SIDEWALK RIGHT
	41GT+81	-	42GT+85	RT	--	--	--	--	686	--	--	SIDEWALK RIGHT
	40GT+88			RT	--	--	--	--	--	43	--	
STAGE 3 SUBTOTALS					--	--	--	--	2,814	43	--	
PROJECT 1228-16-71 TOTALS					86	53	65	33	6,788	43	22	

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ASPHALT ITEMS

ROADWAY		STATION		OFFSET	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	495.1000.S COLD PATCH TON
STAGE 1A										
I-43 NB	1130+10	-	1132+40	RT	--	29	--	49	--	--
	1130+10	-	1132+40	RT	--	--	73	--	--	--
I-43 SB	1120+45	-	1129+56	LT	--	71	--	120	--	--
	1120+45	-	1129+56	LT	--	--	180	--	--	--
STAGE 1A SUBTOTALS					--	100	253	169	--	--
STAGE 2A										
GOOD HOPE SB ON RAMP	96GHC+40	-	119GHC+21	RT/LT	--	389	--	656	--	--
	96GHC+40	-	119GHC+21	RT/LT	--	--	983	--	--	--
STAGE 2A SUBTOTALS					--	389	983	656	--	--
STAGE 2B										
GREEN TREE ROAD	31GT+00	-	37GT+54	RT/LT	--	207	--	349	--	--
	31GT+00	-	37GT+54	RT/LT	--	--	524	--	--	--
	32GT+52	-	32GT+62	LT	--	1	--	--	2	--
	32GT+85	-	32GT+96	LT	--	1	--	--	2	--
	33GT+44	-	33GT+54	LT	--	1	--	--	2	--
	36GT+52	-	36GT+69	RT	--	6	--	--	15	--
	36GT+78	-	36GT+88	LT	--	1	--	--	3	--
JEAN NICOLET ROAD	11JN+00	-	15JN+26	RT/LT	--	106	--	178	--	--
	11JN+00	-	15JN+26	RT/LT	--	--	267	--	--	--
STAGE 2B SUBTOTALS					--	323	791	527	24	--
STAGE 3 SUBTOTALS										
GREEN TREE ROAD	40GT+03	-	42GT+85	RT/LT	--	88	--	148	--	--
	40GT+03	-	42GT+85	RT/LT	222	--	222	--	--	--
	41GT+40	-	41GT+85	RT	--	5	--	--	13	--
HOTEL PARKING LOT	40GT+05	-	40GT+50	LT	20	--	--	20	--	--
I-43 NB	1131+25	-	1132+50	RT	--	10	--	16	--	--
	1131+25	-	1132+50	RT	25	--	25	--	--	--
I-43 SB	1130+95	-	1133+19	LT	--	13	--	22	--	--
	1130+95	-	1133+19	LT	33	--	33	--	--	--
STAGE 3 SUBTOTALS					300	116	280	206	13	--
UNDISTRIBUTED						--	--	--	10	20
PROJECT 1228-16-71 TOTALS					300	928	2,307	1,558	47	20

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INLET PROTECTION

ROADWAY	STATION	OFFSET	628.7005 INLET PROTECTION TYPE A EACH	628.7020 INLET PROTECTION TYPE D EACH
STAGE 1A				
GREEN TREE ROAD	33GT+58	35' RT	1	--
	34GT+00	13' RT	--	1
	34GT+06	13' LT	--	1
	10JN+78	15' RT	--	1
	12JN+54	29' RT	--	1
	12JN+78	5' RT	--	1
I-43	1130+49	5' RT	--	1
	1130+49	47' RT	--	1
	1132+63	3' RT	--	1
STAGE 1A SUBTOTALS			1	8
STAGE 1B				
GOOD HOPE SB ON RAMP	115GHC+96	5' RT	1	1
	115GHC+98	20' LT	1	1
STAGE 1B SUBTOTALS			2	2
STAGE 2A				
GREEN TREE ROAD	34GT+00	13' RT	1	--
	34GT+05	18' T	1	--
	34GT+17	17' LT	1	1
	34GT+14	18' RT	1	1
	37GT+37	26' RT	1	1
	37GT+37	20' LT	1	1
	40GT+04	20' LT	--	1
	40GT+10	21' RT	--	1
	42GT+11	21' LT	--	1
	42GT+11	21' RT	--	1
GOOD HOPE SB ON RAMP	98GHC+42	2' LT	1	1
	104GHC+41	7' LT	1	1
	104GHC+42	3' LT	--	1
	106GHC+55	13' LT	1	1
	106GHC+56	4' LT	1	1
	106GHC+57	6' LT	--	1
	107GHC+06	7' LT	--	1
	107GHC+07	3' LT	1	1
	108GHC+92	2' LT	1	1
	108GHC+92	7' LT	1	1
	111GHC+93	5' LT	1	1
GOOD HOPE SB ON RAMP CONT.	113GHC+17	5' LT	1	1
	113GHC+50	12' LT	1	1
	113GHC+70	7' LT	1	1
	116GHC+45	27' RT	1	1
I-43	1124+50	13' LT	--	1
	1132+63	46' RT	--	1
	1139+10	47' LT	1	1
	1139+26	46' LT	1	1
	1139+75	47' LT	1	1
	1139+79	55' LT	1	1
JEAN NICOLET ROAD	10JN+89	15' RT	--	--
	12JN+54	29' RT	1	--
	12JN+78	5' RT	1	--
STAGE 2A SUBTOTALS			24	29

INLET PROTECTION (CONT.)

ROADWAY	STATION	OFFSET	628.7005 INLET PROTECTION TYPE A EACH	628.7020 INLET PROTECTION TYPE D EACH
STAGE 2B				
GREEN TREE ROAD	40GT+04	21' LT	--	--
	40GT+10	22' RT	--	--
	40GT+25	21' LT	1	1
	41GT+60	21' LT	--	1
	41GT+60	21' RT	--	1
I-43	1130+49	5' RT	--	1
	1133+15	6' LT	--	1
STAGE 2B SUBTOTALS			1	5
PROJECT 1228-16-71 TOTALS			28	44

TEMPORARY SETTLING BASIN

ROADWAY	628.1104 EROSION BALES EACH	645.0120 GEOTEXTILE TYPE HR SY
PROJECT 1228-16-71		
SETTLING BASIN	30	67
PROJECT 1228-16-71 TOTALS	30	67

MAINTENANCE AND REPAIR OF HAUL ROADS (1228-16-71)

ROADWAY	618.0100 MAINTENANCE AND REPAIR OF HAUL ROADS 1228-16-71 EACH
PROJECT 1228-16-71	1
PROJECT 1228-16-71 TOTAL:	1

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TRAFFIC CONTROL FIXED MESSAGE SIGNS

LOCATION	FMS NO.	634.0612 POSTS WOOD 4X6-INCH X 12-FT EACH	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE SF
PROJECT 1228-16-71			
EB GREEN TREE ROAD	101	2	19.5
NB MILWAUKEE RIVER PKWY	101	2	19.5
SB MILWAUKEE RIVER PWKY	101	2	19.5
WB BENDER ROAD	102	2	18.0
EB BENDER ROAD	102	2	18.0
NB JEAN NICOLET ROAD	102	2	18.0
NB PORT WASHINGTON ROAD	103	2	18.0
SB PORT WASHINGTON ROAD	103	2	18.0
WB GREEN TREE ROAD	103	2	18.0
NB PORT WASHINGTON ROAD	104	--	6.3
NB PORT WASHINGTON ROAD	104	--	6.3
NB PORT WASHINGTON ROAD	104	--	6.3
SB PORT WASHINGTON ROAD	104	--	6.3
SB PORT WASHINGTON ROAD	104	--	6.3
SB PORT WASHINGTON ROAD	104	--	6.3
EB GOOD HOPE ROAD	105	2	16.5
SB GREEN BAY ROAD	105	2	16.5
PROJECT 1228-16-71 TOTALS		22	237.3

INLET COVER REPAIR MAINTENANCE SPECIAL

ROADWAY	STATION	OFFSET	611.9900.S DRAIN SLOTTED VANE EACH*	SPV.0060.11 INLET COVER REPAIR MAINTENANCE SPECIAL EACH
PROJECT 1228-16-71				
I-43 SB	1122+10	13' LT	1	1
	1124+50	13' LT	1	1
PROJECT 1228-16-71 TOTALS			2	2

* EACH LOCATION WILL TOTAL 9 LINEAR FEET OF VANE DRAIN

PORTABLE SPEED TRAILER

ROADWAY	SPV.0045.01 SPEED TRAILER DAYS
JEAN NICOLET ROAD	245
PROJECT 1228-16-71 TOTAL	245

FIELD FACILITY OFFICE SPACE

ROADWAY	SPV.0060.10 OFFICE SPACE EACH
PROJECT 1228-16-71	1
PROJECT 1228-16-71 TOTAL	1

PAVEMENT CLEANUP (PROJECT 1228-16-71)

ROADWAY	SPV.0075.01 PAVEMENT CLEANUP PROJECT 1228-16-71 HOURS
PROJECT 1228-16-71	250
PROJECT 1228-16-71 TOTAL	250

NOTE: QUANTITY ASSUMES 10 HOURS/WEEK

SURVEY PROJECT

ROADWAY	SPV.0105.01 SURVEY PROJECT (1228-16-71) LS
PROJECT 1228-16-71	1
PROJECT 1228-16-71 TOTAL	1

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SAWCUTS

ROADWAY	STATION			OFFSET	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	NOTES
PROJECT 1228-16-71							
GOOD HOPE SB ON RAMP	104GHC+55	-	104GHC+55	RT	--	11	
	118GHC+82	-	1118GHC+82	LT	22	--	
	118GHC+82	-	119GHC+21	RT	60	--	
GREEN TREE ROAD	31GT+00	-	31GT+00	LT	27	--	
	32GT+50	-	32GT+63	LT	12	--	
	32GT+85	-	32GT+96	LT	11	--	
	33GT+15	-	33GT+47	RT	--	32	
	33GT+44	-	33GT+54	LT	10	--	
	36GT+44	-	36GT+59	RT	--	15	
	36GT+79	-	16GT+88	LT	10	--	
	41GT+46	-	41GT+73	RT	27	--	
	42GT+34	-	42GT+58	LT	24	--	
	42GT+85	-	42GT+85	LT	45	--	
I-43	1122+48	-	1139+76	LT	1,728	20	
	1130+10	-	1133+02	RT	356	20	
	1130+94	-	1133+19	LT	222	22	STAGE 3, NB INSIDE SHOULDER
	1131+00	-	1133+00	RT	200	--	
JEAN NICOLET ROAD	11JN+00	-	11JN+00	LT/RT	--	30	
UNDISTRIBUTED	---	-	---	---	100	50	
PROJECT 1228-16-71 TOTAL					2,855	201	

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VIBRATION MONITORING

ROADWAY	SPV.0135.01 MON
GREEN TREE / IH-43	7
PROJECT 1228-16-71 TOTAL	7

FLAGGING SPECIAL

ROADWAY	STAGE	ESTIMATED NO. OF FLAGGERS	SPV.0075.02 HOURS
JEAN NICOLET / GREEN TREE	1	2	100
JEAN NICOLET / GREEN TREE	3	2	164
PROJECT 1228-16-71 TOTAL			264

NOTE: QUANTITY ASSUMES 2 HOURS/DAY

ALL ITEMS CATEGORY 0010

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STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET	FLANGE OR RIM ELEV	EXISTING RIM ELEV	LOWEST INVERT	DEPTH	520.8000 CONCRETE COLLARS FOR PIPE EACH	611.0420 RECONSTRUCT MANHOLE EACH	611.053 MANHOLE COVERS TYPE J EACH	611.0535 MANHOLE COVERS TYPE JS EACH	611.0606 INLET COVERS TYPE B EACH	611.061 INLET COVERS TYPE BW EACH	611.0624 INLET COVERS TYPE H EACH	611.0642 INLET COVERS TYPE MS EACH	611.0651 INLET COVER TYPE S EACH	611.0654 INLET COVERS TYPE V EACH	611.1005 CATCH BASIN 5-FT DIAMETER EACH
W. GREEN TREE ROAD																	
101	34GT+15	18.0' LT	682.35	--	675.50	5.60	--	--	--	--	--	--	1	--	--	--	1
EX MH01	34GT+00	9.9' LT	681.74	680.13	664.62	15.87	--	1	--	1	--	--	--	--	--	--	--
EX MH05	34GT+00	13.0' RT	681.69	680.14	671.30	9.14	--	1	--	1	--	--	--	--	--	--	--
EX MH 08	32GT+30	20.8' RT	674.72	673.77	--	--	--	1	--	--	--	--	--	--	--	--	--
102	34GT+16	18.0' RT	682.40	--	676.00	5.15	--	--	--	--	--	--	1	--	--	--	1
EX IN06	33GT+12	37.8' RT	677.05	676.25	--	--	--		--	--	--	--	--	--	--	--	--
EX IN07	33GT+48	36.5' RT	678.02	676.91	--	--	--	1	--	--	--	--	--	--	--	--	--
103	33GT+55	39.0' RT	675.80	--	671.58	2.97	--	--	--	--	--	--	--	1	--	--	--
104	36GT+22	18.4' LT	694.35	--	690.00	3.10	--	--	--	--	--	--	1	--	--	--	--
MH110	40GT+14	58.1' LT	700.50	--	693.17	6.08	--	--	--	1	--	--	--	--	--	--	--
108	40GT+25	21.0' LT	701.65	--	692.85	7.55	--	--	--	--	--	--	1	--	--	--	--
107	40GT+36	21.0' RT	701.50	--	690.00	10.25	--	--	--	--	--	--	1	--	--	--	1
EX IN222	42GT+11	21.0' LT	700.51	700.59	--	--	--	--	--	--	--	--	--	--	--	--	--
EX IN223	42GT+11	21.0' RT	700.51	700.68	--	--	--	--	--	--	--	--	--	--	--	--	--
105	41GT+60	21.0' LT	700.09	--	696.04	2.80	--	--	--	--	--	--	1	--	--	--	--
106	41GT+60	21.0' RT	700.08	--	695.00	4.08	--	--	--	--	--	--	--	--	1	--	--
W. GREEN TREE ROAD SUBTOTALS							--	4	--	3	--	--	6	1	1	--	3
N. JEAN NICOLET ROAD SUBTOTALS																	
114	12JN+60	16.0' LT	692.95	--	689.75	1.95	--	--	--	--	--	--	1	--	--	--	--
115	12JN+60	16.0' RT	692.93	--	689.59	2.09	--	--	--	--	--	1	--	--	--	--	--
EX IN116	102GHC+91	16.1' LT	692.93	--	689.20	2.48	--	--	1	--	--	--	--	--	--	--	--
N. JEAN NICOLET ROAD SUBTOTALS							--	--	1	--	--	1	1	--	--	--	--

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STORM SEWER STRUCTURES (CONT.)

STRUCTURE NUMBER	STATION	OFFSET	FLANGE OR RIM ELEV	EXISTING RIM ELEV	LOWEST INVERT	DEPTH	520.8000 CONCRETE COLLARS FOR PIPE EACH	611.0420 RECONSTRUCT MANHOLE EACH	611.053 MANHOLE COVERS TYPE J EACH	611.0535 MANHOLE COVERS TYPE JS EACH	611.0606 INLET COVERS TYPE B EACH	611.061 INLET COVERS TYPE BW EACH	611.0624 INLET COVERS TYPE H EACH	611.0642 INLET COVERS TYPE MS EACH	611.0651 INLET COVER TYPE S EACH	611.0654 INLET COVERS TYPE V EACH	611.1005 CATCH BASIN 5-FT DIAMETER EACH
I-43																	
MH200	40GT+43	141.3' RT	699.05	--	674.63	23.17	--	--	1	--	--	--	--	--	--	--	--
MH201	1130+15	11.0' RT	685.08	--	674.09	9.74	--	--	--	1	--	--	--	--	--	--	--
205	1130+49	4.0' RT	683.71	--	677.75	4.71	--	--	--	--	--	1	--	--	--	--	--
MH203	1130+49	11.0' RT	684.02	--	673.92	8.85	--	--	--	1	--	--	--	--	--	--	--
MH206	1132+32	11.0' RT	680.76	--	672.10	7.41	--	--	--	1	--	--	--	--	--	--	--
MH207	1132+33	11.2' RT	680.70	--	672.00	7.45	--	--	--	1	--	--	--	--	--	--	--
224	1132+63	45.9' RT	680.87	--	676.25	3.37	--	--	--	--	--	1	--	--	--	--	--
202	104GHC+42	7.0' LT	683.75	--	679.80	2.70	--	--	--	--	--	1	--	--	--	--	--
EX IN203	104GHC+42	3.4' RT	684.07	--	679.45	3.37	1	--	--	--	--	--	--	--	--	--	--
214	106GHC+56	12.3' LT	682.80	--	676.62	4.93	--	--	--	--	--	--	--	1	--	--	--
212	106GHC+57	7.0' LT	680.45	--	676.59	2.61	--	--	--	--	--	1	--	--	--	--	--
EX IN210	1132+65	46.5' LT	680.43	--	676.55	2.63	1	--	--	--	--	--	--	--	--	--	--
208	1132+65	7.4' LT	680.52	--	676.39	2.88	--	--	--	--	--	1	--	--	--	--	--
209	1132+64	2.6' RT	680.45	--	672.53	6.67	--	--	--	--	--	1	--	--	--	--	--
215	1133+14	57.0' LT	680.70	--	676.41	3.04	--	--	--	--	--	1	--	--	--	--	--
EX IN214	1133+14	47.8' LT	680.91	--	676.36	3.30	1	--	--	--	--	--	--	--	--	--	--
213	1133+15	5.6' LT	680.67	--	676.13	3.29	--	--	--	--	--	1	--	--	--	--	--
EX IN211	1124+50	13.0' LT	684.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EX IN219	1122+10	13.0' LT	680.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MH216	1133+16	0.2' LT	680.64	--	673.00	6.39	--	--	--	1	--	--	--	--	--	--	--
230	108GHC+92	7.0' LT	684.12	--	681.10	1.77	--	--	--	--	--	1	--	--	--	--	--
EX IN231	1134+99	52.6' LT	684.23	--	681.00	1.98	1	--	--	--	--	--	--	--	--	--	--
236	111GHC+93	7.0' LT	689.20	--	685.00	2.95	--	--	--	--	--	1	--	--	--	--	--
237	113GHC+17	7.0' LT	689.70	--	686.00	2.45	--	--	--	--	--	1	--	--	--	--	--
226	113GHC+50	11.8' LT	691.00	--	686.26	3.49	--	--	--	--	--	--	--	1	--	--	--
238	113GHC+65	7.0' LT	690.25	--	686.42	2.58	--	--	--	--	--	1	--	--	--	--	--
239	113GHC+69	18.5' RT	691.13	--	686.65	3.23	--	--	--	--	--	--	1	--	--	--	--
240	1139+75	46.7' LT	690.69	--	686.97	2.47	--	--	--	--	--	--	--	--	--	1	--
217	113GHC+16	17.5' RT	690.50	--	686.45	2.80	--	--	--	--	1	--	--	--	--	--	--
242	116GHC+45	27.3' RT	700.56	--	696.12	3.19	--	--	--	--	--	--	1	--	--	--	--
I-43 SUBTOTALS							4	--	1	5	1	12	2	2	--	1	--
PROJECT 1228-16-71 TOTALS							4	4	2	8	1	13	9	3	1	1	3

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STORM SEWER STRUCTURES (CONT.)

STRUCTURE NUMBER	STATION	OFFSET	FLANGE OR RIM ELEV	EXISTING RIM ELEV	LOWEST INVERT	DEPTH	611.1006 CATCH BASIN 6-FT DIAMETER EACH	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	611.3220 INLETS 2x2-FT EACH	611.3225 INLETS 2x2.5-FT EACH	611.3230 INLETS 2x3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.8115 ADJUSTING INLET COVERS EACH	611.9900 DRAIN SLOTTED VAIN EACH
W. GREEN TREE ROAD																	
101	34GT+15	18.0' LT	682.35	--	675.50	5.60	--	--	--	--	--	--	--	--	--	--	--
EX MH01	34GT+00	9.9' LT	681.74	680.13	664.62	15.87	--	--	--	--	--	--	--	--	--	--	--
EX MH05	34GT+00	13.0' RT	681.69	680.14	671.30	9.14	--	--	--	--	--	--	--	--	--	--	--
EX MH 08	32GT+30	20.8' RT	674.72	673.77	--	--	--	--	--	--	--	--	--	--	--	--	--
102	34GT+16	18.0' RT	682.40	--	676.00	5.15	--	--	--	--	--	--	--	--	--	--	--
EX IN06	33GT+12	37.8' RT	677.05	676.25	--	--	--	--	--	--	--	--	--	--	--	1	--
EX IN07	33GT+48	36.5' RT	678.02	676.91	--	--	--	--	--	--	--	--	--	--	--	--	--
103	33GT+55	39.0' RT	675.80	--	671.58	2.97	--	--	--	--	--	--	--	--	1	--	--
104	36GT+22	18.4' LT	694.35	--	690.00	3.10	--	--	--	--	--	--	--	1	--	--	--
MH110	40GT+14	58.1' LT	700.50	--	693.17	6.08	--	1	--	--	--	--	--	--	--	--	--
108	40GT+25	21.0' LT	701.65	--	692.85	7.55	--	--	--	--	--	--	--	1	--	--	--
107	40GT+36	21.0' RT	701.50	--	690.00	10.25	--	--	--	--	--	--	--	--	--	--	--
EX IN222	42GT+11	21.0' LT	700.51	700.59	--	--	--	--	--	--	--	--	--	--	--	1	--
EX IN223	42GT+11	21.0' RT	700.51	700.68	--	--	--	--	--	--	--	--	--	--	--	1	--
105	41GT+60	21.0' LT	700.09	--	696.04	2.80	--	--	--	--	--	--	--	1	--	--	--
106	41GT+60	21.0' RT	700.08	--	695.00	4.08	--	1	--	--	--	--	--	--	--	--	--
W. GREEN TREE ROAD SUBTOTALS							--	2	--	--	--	--	--	3	1	3	--
N. JEAN NICOLET ROAD SUBTOTALS																	
114	12JN+60	16.0' LT	692.95	--	689.75	1.95	--	--	--	--	--	--	--	1	--	--	--
115	12JN+60	16.0' RT	692.93	--	689.59	2.09	--	--	--	--	--	--	1	--	--	--	--
EX IN116	102GHC+91	16.1' LT	692.93	--	689.20	2.48	--	--	--	--	--	--	--	--	--	--	--
N. JEAN NICOLET ROAD SUBTOTALS							--	--	--	--	--	--	1	1	--	--	--

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STORM SEWER STRUCTURES (CONT.)

STRUCTURE NUMBER	STATION	OFFSET	FLANGE OR RIM ELEV	EXISTING RIM ELEV	LOWEST INVERT	DEPTH	611.1005 CATCH BASIN 5-FT DIAMETER EACH	611.1006 CATCH BASIN 6-FT DIAMETER EACH	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	611.3220 INLETS 2x2-FT EACH	611.3225 INLETS 2x2.5-FT EACH	611.3230 INLETS 2x3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.8115 ADJUSTING INLET COVERS EACH	611.9900 DRAIN SLOTTED VAIN EACH
I-43																		
MH200	40GT+43	141.3' RT	699.05	--	674.63	23.17	--	--	--	--	1	--	--	--	--	--	--	--
MH201	1130+15	11.0' RT	685.08	--	674.09	9.74	--	--	--	--	1	--	--	--	--	--	--	--
205	1130+49	4.0' RT	683.71	--	677.75	4.71	--	--	--	--	--	--	--	1	--	--	--	--
MH203	1130+49	11.0' RT	684.02	--	673.92	8.85	--	--	--	1	--	--	--	--	--	--	--	--
MH206	1132+32	11.0' RT	680.76	--	672.10	7.41	--	--	--	--	1	--	--	--	--	--	--	--
MH207	1132+33	11.2' RT	680.70	--	672.00	7.45	--	--	--	--	--	1	--	--	--	--	--	--
224	1132+63	45.9' RT	680.87	--	676.25	3.37	--	--	--	--	--	--	--	1	--	--	--	--
202	104GHC+42	7.0' LT	683.75	--	679.80	2.70	--	--	--	--	--	--	--	1	--	--	--	--
EX IN203	104GHC+42	3.4' RT	684.07	--	679.45	3.37	--	--	--	--	--	--	--	--	--	--	--	--
214	106GHC+56	12.3' LT	682.80	--	676.62	4.93	--	--	--	--	--	--	--	--	--	1	--	--
212	106GHC+57	7.0' LT	680.45	--	676.59	2.61	--	--	--	--	--	--	--	1	--	--	--	--
EX IN210	1132+65	46.5' LT	680.43	--	676.55	2.63	--	--	--	--	--	--	--	--	--	--	--	--
208	1132+65	7.4' LT	680.52	--	676.39	2.88	--	--	--	--	--	--	--	1	--	--	--	--
209	1132+64	2.6' RT	680.45	--	672.53	6.67	--	1	--	--	--	--	--	--	--	--	--	--
215	1133+14	57.0' LT	680.70	--	676.41	3.04	--	--	--	--	--	--	--	1	--	--	--	--
EX IN214	1133+14	47.8' LT	680.91	--	676.36	3.30	--	--	--	--	--	--	--	--	--	--	--	--
213	1133+15	5.6' LT	680.67	--	676.13	3.29	--	--	--	--	--	--	--	1	--	--	--	--
EX IN211	1124+50	13.0' LT	684.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3
EX IN219	1122+10	13.0' LT	680.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3
MH216	1133+16	0.2' LT	680.64	--	673.00	6.39	--	--	--	1	--	--	--	--	--	--	--	--
230	108GHC+92	7.0' LT	684.12	--	681.10	1.77	--	--	--	--	--	--	--	1	--	--	--	--
EX IN231	1134+99	52.6' LT	684.23	--	681.00	1.98	--	--	--	--	--	--	--	--	--	--	--	--
236	111GHC+93	7.0' LT	689.20	--	685.00	2.95	--	--	1	--	--	--	--	--	--	--	--	--
237	113GHC+17	7.0' LT	689.70	--	686.00	2.45	--	--	1	--	--	--	--	--	--	--	--	--
226	113GHC+50	11.8' LT	691.00	--	686.26	3.49	--	--	--	--	--	--	--	--	--	1	--	--
238	113GHC+65	7.0' LT	690.25	--	686.42	2.58	--	--	1	--	--	--	--	--	--	--	--	--
239	113GHC+69	18.5' RT	691.13	--	686.65	3.23	--	--	1	--	--	--	--	--	--	--	--	--
240	1139+75	46.7' LT	690.69	--	686.97	2.47	--	--	--	--	--	--	--	1	--	--	--	--
217	113GHC+16	17.5' RT	690.50	--	686.45	2.80	--	--	--	--	--	--	1	--	--	--	--	--
242	116GHC+45	27.3' RT	700.56	--	696.12	3.19	--	--	--	--	--	--	--	--	1	--	--	--
I-43 SUBTOTALS							--	1	4	2	3	1	1	9	1	2	--	6
PROJECT 1228-16-71 TOTALS							3	1	6	2	3	1	1	10	5	3	3	6

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STORM SEWER PIPES

FROM STR	TO STR	INVERT ELEV FT	DISCH ELEV FT	SLOPE	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	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF
W. GREEN TREE ROAD											
101	EX MH01	677.50	677.25	1.47%	--	17	--	--	--	--	--
102	EX MH05	678.00	677.00	5.88%	--	17	--	--	--	--	--
103	EX MH05	671.58	671.30	0.54%	--	52	--	--	--	--	--
104	101	690.00	677.50	5.04%	--	207	--	--	--	--	--
EX IN07	103	671.70	671.58	1.33%	--	9	--	--	--	--	--
MH110	108	693.17	692.85	0.82%	--	--	39	--	--	--	--
108	107	692.85	692.50	0.81%	--	--	43	--	--	--	--
106	107	695.00	694.43	0.46%	--	--	124	--	--	--	--
105	106	696.04	695.83	0.50%	--	--	42	--	--	--	--
W. GREEN TREE SUBTOTALS					--	--	302	248	--	--	--
N JEAN NICOLET ROAD											
114	115	689.75	689.59	0.50%	32	--	--	--	--	--	--
115	EX IN116	689.59	689.20	2.79%	14	--	--	--	--	--	--
N JEAN NICOLET ROAD SUBTOTALS					46	--	--	--	--	--	--
I-43											
107	MH200	692.00	691.30	0.58%	--	--	--	121	--	--	--
MH200	MH201	674.63	674.09	0.52%	--	--	--	--	--	--	103
MH201	MH203	674.09	673.92	0.50%	--	--	--	--	34	--	--
MH203	MH206	673.92	672.60	0.72%	--	--	--	--	--	--	183
MH206	MH207	672.10	672.00	0.45%	--	--	--	--	--	22	--
202	CC1	679.80	679.45	3.50%	10	--	--	--	--	--	--
205	MH203	677.75	677.52	3.29%	--	7	--	--	--	--	--
214	212	676.62	676.59	0.60%	--	5	--	--	--	--	--
212	CC2	676.59	676.55	0.40%	--	10	--	--	--	--	--
208	209	676.39	675.53	8.60%	--	10	--	--	--	--	--
215	CC3	676.41	676.36	0.56%	--	9	--	--	--	--	--
213	MH216	676.13	676.00	2.17%	--	6	--	--	--	--	--
216	209	673.00	672.53	0.90%	--	--	--	--	--	52	--
209	MH207	672.53	672.00	1.56%	--	--	--	--	--	34	--
230	CC4	681.10	681.00	2.50%	--	4	--	--	--	--	--
237	236	686.00	685.00	0.81%	--	123	--	--	--	--	--
226	237	686.26	686.00	0.79%	--	33	--	--	--	--	--
238	226	686.42	686.26	1.00%	--	16	--	--	--	--	--
239	238	686.65	686.42	0.88%	--	26	--	--	--	--	--
240	239	686.97	686.89	0.89%	9	--	--	--	--	--	--
217	237	686.45	686.25	0.83%	25	--	--	--	--	--	--
242	239	696.12	687.14	3.21%	280	--	--	--	--	--	--
I-43 SUBTOTALS					324	249	--	121	34	108	286
PROJECT 1228-16-71 TOTAL					370	551	248	121	34	108	286

Addendum No. 01
ID 1228-16-71
Revised Sheet 187
March 6, 2018

ALL ITEMS CATEGORY 0010

REMOVALS

LOCATION	201.0120 CLEARING I.D.	201.0220 GRUBBING I.D.	204.0155* REMOVING SIDEWALK SY	204.0170 * REMOVING FENCE LF	204.0210 * REMOVING MANHOLE EACH	204.0220 * REMOVING INLET EACH	204.0280 SEALING PIPES EACH	204.9090.S REMOVING ELECTRICAL WIRES FROM CONDUIT LF	204.9105.S REMOVING NICOLET PED TUNNEL ENTRANCES LS
NICOLET PED TUNNEL - WEST ENTRANCE	--	--	12	107	--	--	1	--	--
NICOLET PED TUNNEL - EAST ENTRANCE	24	24	--	--	--	--	1	250	--
NICOLET PED TUNNEL	--	--	--	--	--	--	--	--	1
INLET 2001	--	--	--	--	--	1	--	--	--
MANHOLE 1001	--	--	--	--	1	--	1	--	--
PROJECT 1228-16-71 TOTALS	24	24	12	107	1	1	3	250	1

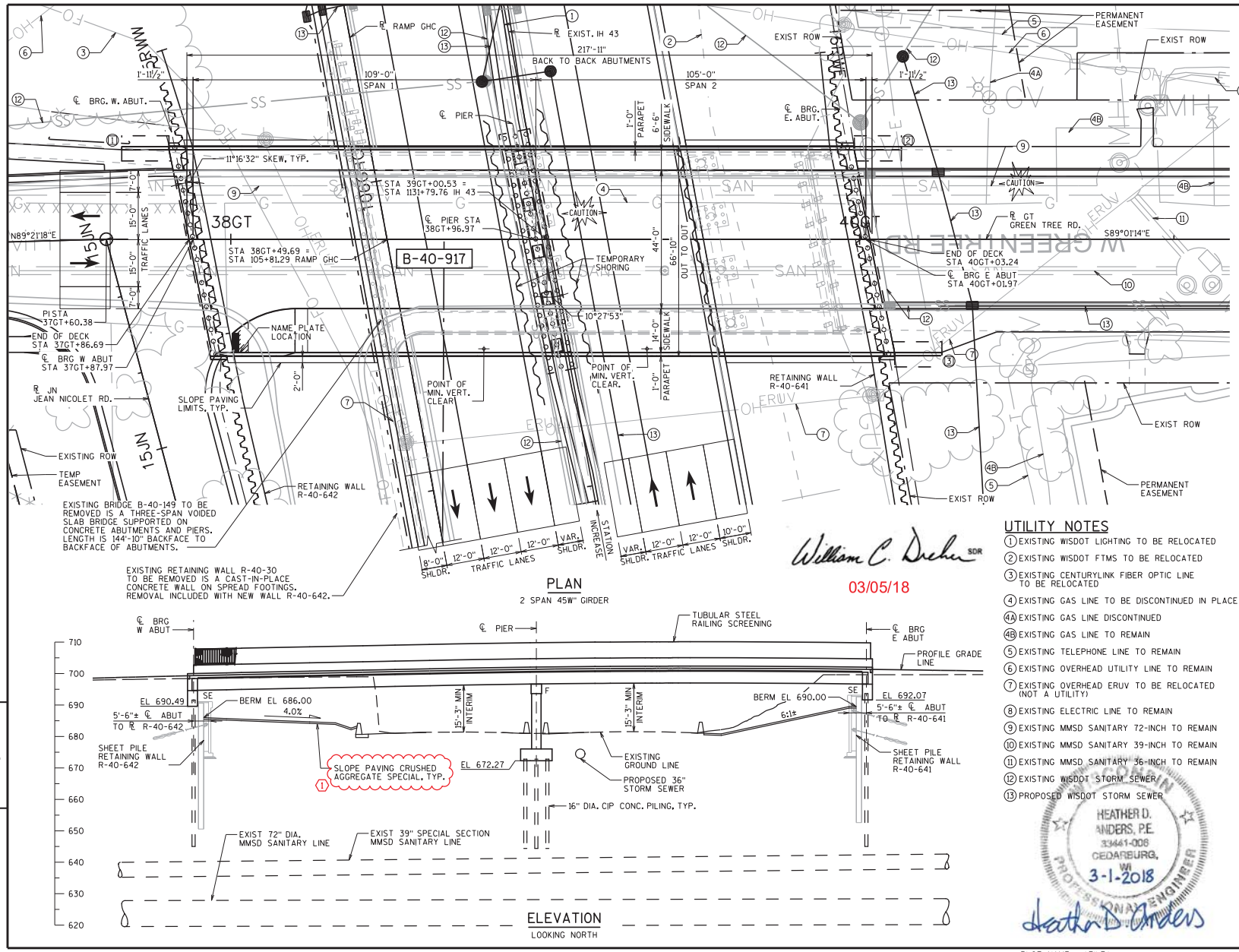
REMOVING SIDEWALK ITEM INCLUDES INTEGRAL PED CURB

Addendum No. 01
ID 1228-16-71
Added Sheet 188A
March 6, 2018

NICOLET PED TUNNEL

LOCATION	208.1000 * BORROW CY	512.0500 * PILING SHEET STEEL PERMANENT DELIVERED SF	512.0600 * PILING SHEET STEEL PERMANENT DRIVEN SF	616.0206 * FENCE CHAIN LINK 6-FT LF	616.0700.S * SAFETY FENCE LF	630.0120 * SEEDING MIXTURE NO. 20 LB	628.2002 * EROSION MAT CLASS 1 TYPE A SY	690.0250 * SAWING CONCRETE LF	SPV.0035.01 FLOWABLE FILL CY
NICOLET PED TUNNEL - WEST ENTRANCE	65	210	210	45	100	2	60	77	--
NICOLET PED TUNNEL - EAST ENTRANCE	155	210	210	--	250	15	560	77	--
NICOLET PED TUNNEL	--	--	--	--	--	--	--	--	380
PROJECT 1228-16-71 TOTALS	220	420	420	45	350	17	620	154	380

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE ON PLAN



William C. Dreher SDR
03/05/18

UTILITY NOTES

1. EXISTING WISDOT LIGHTING TO BE RELOCATED
2. EXISTING WISDOT FTMS TO BE RELOCATED
3. EXISTING CENTURYLINK FIBER OPTIC LINE TO BE RELOCATED
4. EXISTING GAS LINE TO BE DISCONTINUED IN PLACE
4A. EXISTING GAS LINE DISCONTINUED
4B. EXISTING GAS LINE TO REMAIN
5. EXISTING TELEPHONE LINE TO REMAIN
6. EXISTING OVERHEAD UTILITY LINE TO REMAIN
7. EXISTING OVERHEAD ERUV TO BE RELOCATED (NOT A UTILITY)
8. EXISTING ELECTRIC LINE TO REMAIN
9. EXISTING MMSD SANITARY 72-INCH TO REMAIN
10. EXISTING MMSD SANITARY 39-INCH TO REMAIN
11. EXISTING MMSD SANITARY 36-INCH TO REMAIN
12. EXISTING WISDOT STORM SEWER
13. PROPOSED WISDOT STORM SEWER

HEATHER D. ANDERS, P.E. 33441-006 CEDARBURG, WI 3-1-2018
Heather D. Anders

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION
3. QUANTITIES, NOTES & DESIGN DATA
4. IH 43 SECTIONS
5. PROFILE GRADE LINES
6. STRUCTURE REMOVAL & EXCAVATION LIMITS
7. STRUCTURE BACKFILL LIMITS
8. SUBSURFACE EXPLORATION
9. WEST ABUTMENT
10. WEST ABUTMENT DETAILS (1 OF 2)
11. WEST ABUTMENT DETAILS (2 OF 2)
12. EAST ABUTMENT
13. EAST ABUTMENT DETAILS (1 OF 2)
14. EAST ABUTMENT DETAILS (2 OF 2)
15. WINGWALLS
16. WINGWALL REINFORCEMENT
17. PIER
18. PIER DETAILS & REINFORCEMENT
19. 45W" PRESTRESSED GIRDER
20. 45W" PRESTRESSED GIRDER DETAILS
21. SUPERSTRUCTURE FRAMING PLAN
22. SUPERSTRUCTURE REINFORCEMENT
23. SUPERSTRUCTURE CROSS SECTION
24. SUPERSTRUCTURE DETAILS
25. CURB RAMP DETAILS
26. SUPERSTRUCTURE BILL OF BARS
27. MODIFIED VERTICAL FACE PARAPET 'A'
28. STEEL DIAPHRAGM
29. TUBULAR STEEL RAILING SCREENING
30. SLOPE PAVING CRUSHED AGGREGATE SPECIAL (1)

LEGEND

(X) INDICATES WING NUMBER
INDICATES DIRECTION OF TRAFFIC

Addendum No. 01
ID 1228-16-71
Revised Sheet 355
March 6, 2018

STRUCTURES DESIGN CONTACTS
BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
HEATHER ANDERS (414) 359-2300

NO.	DATE	REVISION	BY
1	3/1/18	ADDENDUM 1: SLOPE PAVING TY	

ORIGINAL PLANS PREPARED BY
HNTB 11414 W. PARK PLACE MILWAUKEE, WI 53224 (414) 359-2300

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STATE PROJECT NUMBER
1228-16-71

STRUCTURE B-40-917

GREEN TREE RD OVER IH 43

COUNTY	VILLAGE
MILWAUKEE	RIVER HILLS

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
HDA	EAJ	HDA	EAJ

GENERAL PLAN & ELEVATION

SHEET 1 OF 30

355

STATE PROJECT NUMBER
1228-16-71

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEM	UNIT	SUPER	WEST ABUT.	PIER	EAST ABUT.	TOTAL
203.0200.01	REMOVING OLD STRUCTURE STA. 40GT+00	LS					1
206.1000.01	EXCAVATION FOR STRUCTURES BRIDGES B-40-917	LS					1
210.1500	BACKFILL STRUCTURE TYPE A	TON		372	563	407	1,342
502.0100	CONCRETE MASONRY BRIDGES	CY	650	56	175	68	949
502.3200	PROTECTIVE SURFACE TREATMENT	SY	1578				1,578
502.3210	PIGMENTED SURFACE SEALER	SY	180	7		13	200
503.0146	PRESTRESSED GIRDER TYPE 145W-INCH	LF	1933				1,933
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB		4,000	8,530	4,740	17,270
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	135,070	1,270	20,700	2,240	159,280
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH		9	18	9	36
506.4000.01	STEEL DIAPHRAGMS B-40-917	EACH	32				32
511.1200.01	TEMPORARY SHORING B-40-917	SF			2340		2,340
513.4091.01	RAILING TUBULAR SCREENING B-40-917	LF	431	15		29	475
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY		15		15	30
550.2166	PILING CIP CONCRETE 16 X 0.375-INCH	LF		805	1750	835	3,390
604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY		380		390	770 (1)
612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF		260		110	370
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF		110		150	260
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY		70		85	155
SPV.0060.05	PILE DYNAMIC ANALYZER (PDA) TESTING	EACH		2	4	2	8
SPV.0060.06	PILE DYNAMIC ANALYZER (PDA) RESTRIKES	EACH		2	4	2	8
SPV.0060.07	CASE PILE WAVE ANALYSIS PROGRAM (CAPWAP) EVALUATION	EACH		1	1	1	3
SPV.0180.02	SLOPE PAVING CRUSHED AGGREGATE SPECIAL	SY		380		390	770 (1)
	NON-BID ITEMS						
	NAME PLATE	EACH					1
	RODENT SHIELD	EACH					1
	PREFORMED JOINT FILLER	SIZE					½", ¾"
	CORK FILLER	SIZE					

ALL ITEMS ARE CATEGORY 0020

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.07
OPERATING RATING FACTOR: RF = 1.64
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 KIPS

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
- SUPERSTRUCTURE ..... f'c = 4,000 psi
- SUBSTRUCTURE ..... f'c = 3,500 psi
- CIP CONCRETE PILING ..... f'c = 3,500 psi
- 45W-INCH PRESTRESSED GIRDERS ..... f'ci = 6,800 psi

BAR STEEL REINFORCEMENT ..... fy = 60,000 psi
PRESTRESSING STRANDS ..... ULTIMATE TENSILE STRENGTH = 270,000 psi

TRAFFIC DATA

GREEN TREE RD

AADT = 4,800 (2016)
AADT = 9,400 (2040)
RDS = 30 MPH

IH 43 NB

AADT = 38,900 (2010)
AADT = 60,250 (2040)
RDS = 70 MPH

IH 43 SB

AADT = 41,550 (2010)
AADT = 60,250 (2040)
RDS = 70 MPH

FOUNDATION DATA

USING THE PDA/CAPWAP ACCEPTANCE METHOD:

THE ABUTMENTS AND PIER ARE SUPPORTED ON 16" DIA. CIP CONCRETE PILING. REQUIRED TIP ELEVATIONS:

WEST ABUTMENT 645

EAST ABUTMENT 645

PIER 645

REQUIRED DRIVING RESISTANCE:

WEST ABUTMENT ..... 100 TONS PER PILE

EAST ABUTMENT ..... 100 TONS PER PILE

PIER ..... 95 TONS PER PILE

THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE ESTIMATED REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.65 USING PDA/CAPWAP METHOD TO DETERMINE DRIVEN PILE CAPACITY.

DRIVE PILING AT ABUTMENTS BEFORE R-40-641 AND R-40-642 SHEET PILING.

Addendum No. 01
ID 1228-16-71
Revised Sheet 357
March 6, 2018

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), MILWAUKEE COUNTY, NAD 83 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

AT THE BACKFACE OF THE ABUTMENTS ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH BACKFILL STRUCTURE.

THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-40-917".

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

ALL REINFORCING BARS ARE ENGLISH. THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE. BAR DIMENSIONS ARE OUT TO OUT.

BEVEL ALL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE PRESTRESSED GIRDER DETAILS SHEET.

EXISTING BRIDGE B-40-149 TO BE REMOVED IS A THREE SPAN CONCRETE VOIDED SLAB SUPPORTED ON CONCRETE PIERS AND ABUTMENTS. LENGTH IS APPROXIMATELY 145' BACKFACE TO BACKACE OF ABUTMENTS, WIDTH IS 58' OUT TO OUT. EXISTING RETAINING WALL R-40-30 TO BE REMOVED (PAID FOR UNDER WALL R-40-642) IS A 360' LONG CAST-IN-PLACE CONCRETE WALL FOUNDED ON SPREAD FOOTINGS SOUTH OF THE WEST ABUTMENT WALL.

COORDINATE THE REMOVAL OF B-40-149, REMOVAL OF R-40-30, AND CONSTRUCTION OF NEW BRIDGE B-40-917 WITH RETAINING WALLS R-40-641 AND R-40-642 AND WITH NEW STORM SEWERS. SEE R-40-641 AND R-40-642 PLANS FOR CONSTRUCTION SEQUENCE INFORMATION.

PROTECTIVE SURFACE TREATMENT SHALL BE APPLIED TO THE FOLLOWING COMPLETED SURFACES:
- TOP OF DECK SLAB
- EXPOSED SIDEWALK SURFACES
- PAVING NOTCH (PRIOR TO PLACING APPROACH PAVEMENT)

PIGMENTED SURFACE SEALER SHALL BE APPLIED TO THE FOLLOWING COMPLETED SURFACES:
- TOP AND INSIDE FACES OF PARAPETS

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

PILE SPLICES SHALL BE MADE BY A CERTIFIED WELDER, PER AWS D1.1.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M153 TYPE 1, 2, OR 3, OR AASHTO M213.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" JOINT FILLER WITH NON-STAINING, NON-ASPHALTIC JOINT SEALER (1" DEEP & HOLD ⅛" BELOW SURFACE OF CONCRETE). COLOR TO MATCH ADJACENT SURFACES.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON THE GENERAL PLAN & ELEVATION SHEET AND ON THE SLOPE PAVING CRUSHED AGGREGATE SPECIAL SHEET. (1)

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

NAME PLATE SHALL BE CONSIDERED INCIDENTAL TO ITEM 502.0100 "CONCRETE MASONRY BRIDGES". FABRICATE IN ACCORDANCE TO S.D.D. 12 A 3-10.

William C. Dreher SDR
03/05/18

WISCONSIN
HEATHER D. ANDERS, P.E.
33461-006
CEDARBURG, WI
3-1-2018
PROFESSIONAL ENGINEER

Heather D. Anders

NO.	DATE	REVISION	BY
(1)	3/1/18	ADDENDUM 1: SLOPE PAVING TYPE	HDA

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-917

DRAWN BY HDA | PLANS CK'D. EAJ

QUANTITIES, NOTES & DESIGN DATA

SHEET 3 OF 30

357

8

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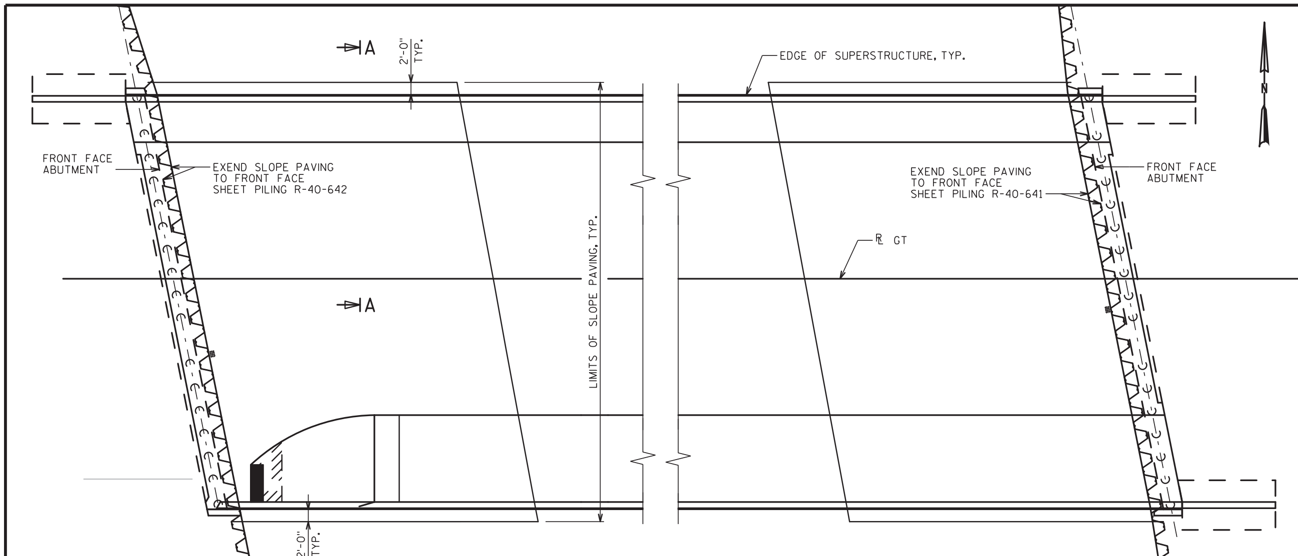
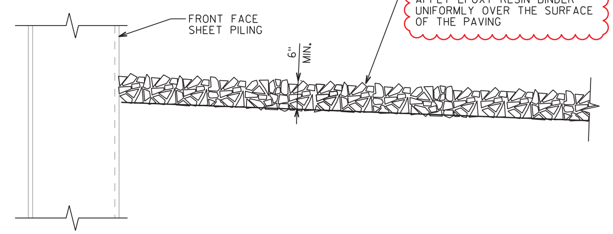
Addendum No. 01
ID 1228-16-71
Revised Sheet 384
March 6, 2018

STATE PROJECT NUMBER
1228-16-71

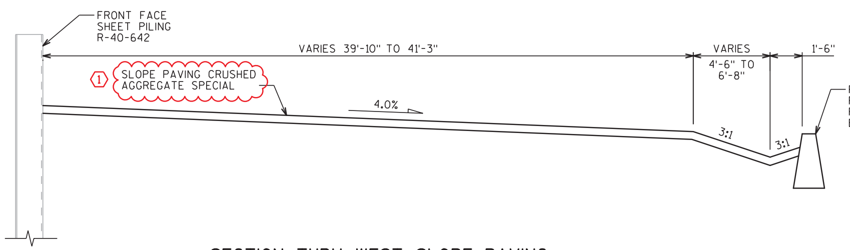


PLAN - SLOPE PAVING CRUSHED AGGREGATE SPECIAL (1)



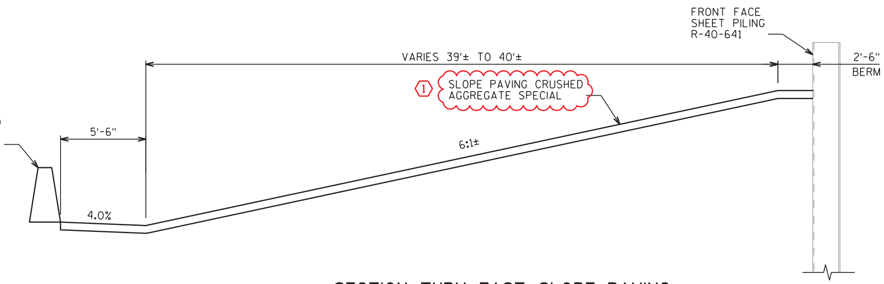
STANDARD CROSS SECTION THRU CRUSHED AGGREGATE

ROUND STONE WILL NOT BE ACCEPTED



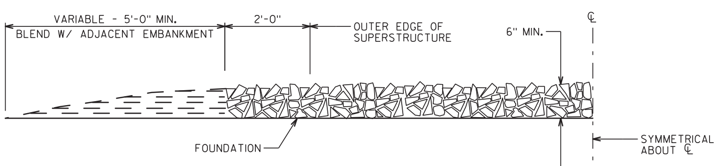
SECTION THRU WEST SLOPE PAVING

LOOKING NORTH
(DIMENSIONS NORMAL TO PROPOSED ROADWAY BARRIER)



SECTION THRU EAST SLOPE PAVING

LOOKING NORTH
(DIMENSIONS NORMAL TO PROPOSED ROADWAY BARRIER)



SECTION A-A

William C. Dreher SDR
03/05/18

GENERAL NOTES

(1) DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE SPEICAL PROVISIONS.

WOOD FORMS MAY BE LEFT IN PLACE WHEN OF A QUALITY ACCEPTABLE TO THE ENGINEER.

WISCONSIN
HEATHER D. ANDERS, P.E.
33441-006
CEDARBURG, WI
3-1-2018
PROFESSIONAL ENGINEER
Heather D. Anders

NO.	DATE	REVISION	BY
(1)	3/1/18	ADDENDUM 1: SLOPE PAVING TYPE	HDA

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-917

DRAWN BY HDA | PLANS CK'D. MSS

SLOPE PAVING CRUSHED (1) AGGREGATE SPECIAL

SHEET 30 OF 30

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Project ID: 1228-16-71
Division 3: IH-43 Median and NB Outside Shoulder

STATION		Distance	Area (SF)		Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Fill	Cut	EBS	Fill	Cut	Fill	
1130+32	AH	77	22.20	0.00	0.0	0.0	0.0	0.0	0.0	0.0
1130+50		18	185.35	0.00	68.8	6.9	0.0	68.8	0.0	69
1130+75		25	274.99	0.00	213.1	21.3	0.0	281.9	0.0	282
1131+00		25	291.39	0.00	262.2	26.2	0.0	544.1	0.0	544
1131+25		25	310.26	0.00	278.5	27.9	0.0	822.7	0.0	823
1131+50		25	297.42	0.00	281.3	28.1	0.0	1,104.0	0.0	1,104
1132+00		50	223.38	0.00	482.2	48.2	0.0	1,586.2	0.0	1,586
1132+25		25	56.12	1.54	129.4	12.9	0.7	1,715.6	0.7	1,715
1132+50		25	42.34	9.07	45.6	4.6	4.9	1,761.2	5.6	1,756
1132+76		26	48.70	0.00	43.8	4.4	4.4	1,805.0	10.0	1,795
1133+00		24	32.34	0.00	36.0	3.6	0.0	1,841.1	10.0	1,831
1133+19	BK	19	13.99	0.00	16.6	1.7	0.0	1,857.7	10.0	1,848
					2,340.6	234.1	10.0			

Addendum No. 01
ID 1228-16-71
Revised Sheet 408
March 6, 2018

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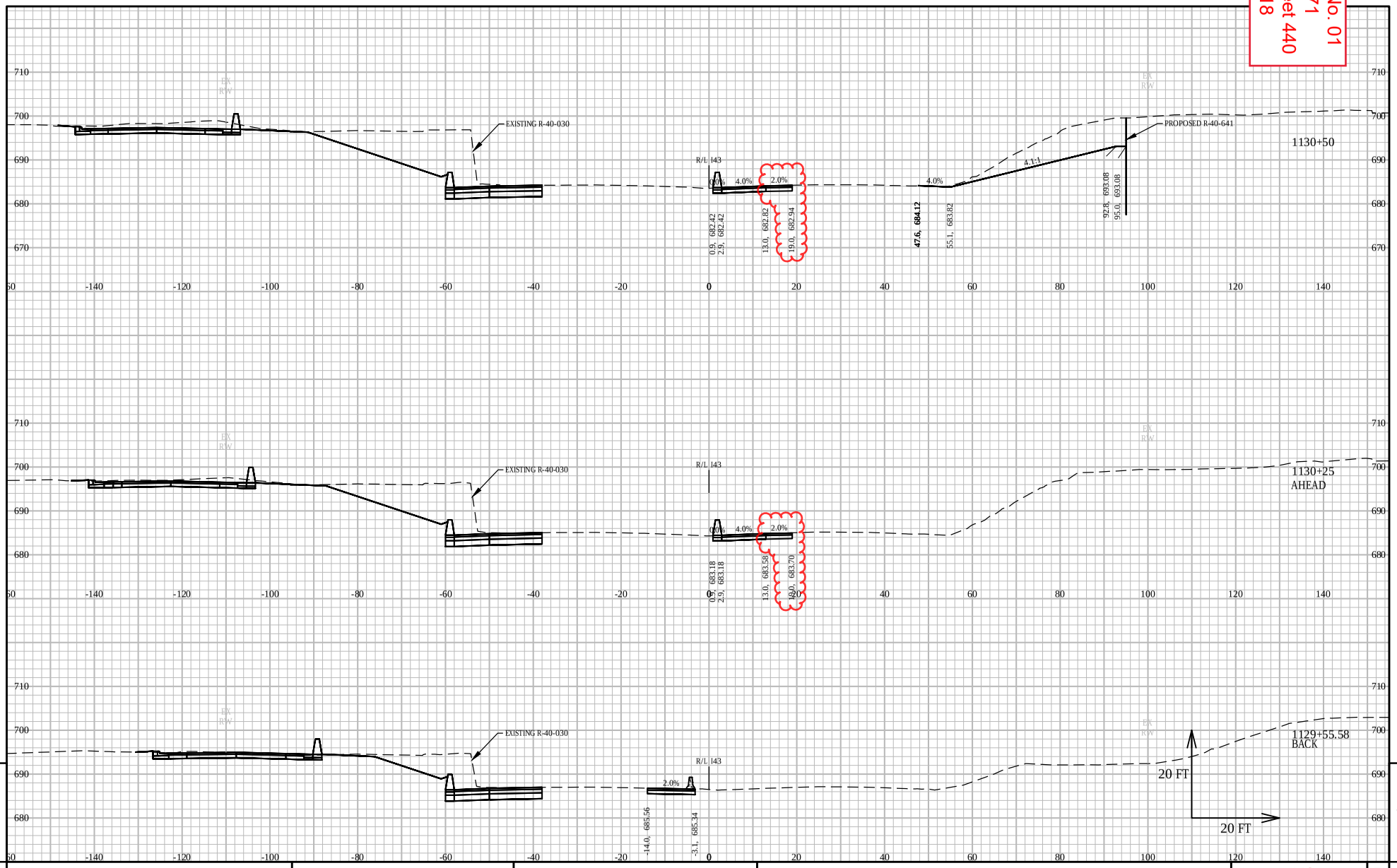
PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	EARTHWORK	SHEET: 408	E

Addendum No. 01
ID 1228-16-71
Revised Sheet 440
March 6, 2018



9 9

PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CROSS SECTIONS: I-43	SHEET 440	E

FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\090603_XS_I43.DWG
LAYOUT NAME - 090415_xs
PLOT DATE : 2/26/2018 12:16 PM PLOT BY : ANDREW ROSEMEYER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

Addendum No. 01
ID 1228-16-71
Revised Sheet 441
March 6, 2018

9 9

PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CROSS SECTIONS: I-43	SHEET 441	E

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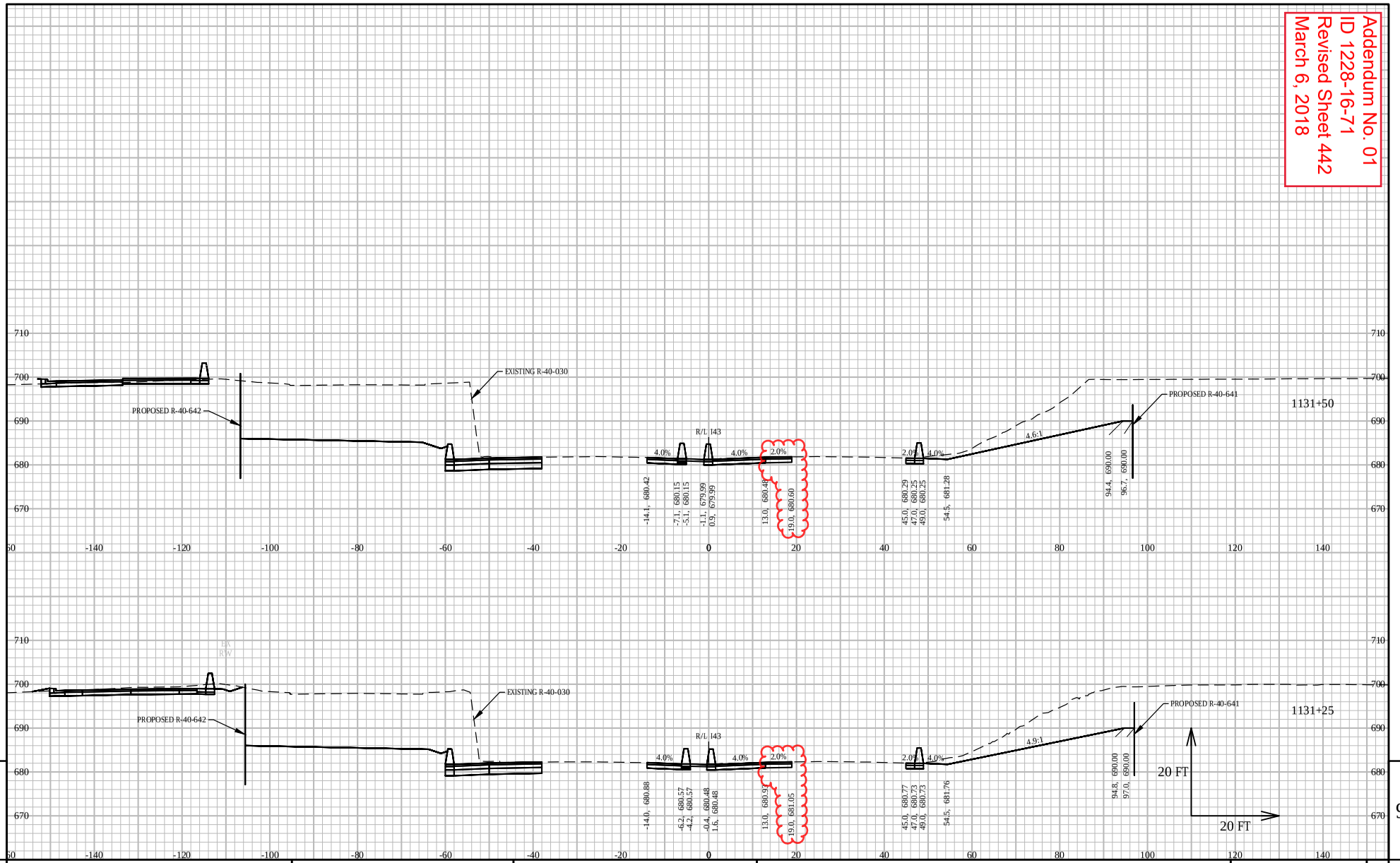
PLOT BY : ANDREW ROSEMEYER
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

Addendum No. 01
ID 1228-16-71
Revised Sheet 442
March 6, 2018



9 9

PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CROSS SECTIONS: I-43	SHEET 442	E

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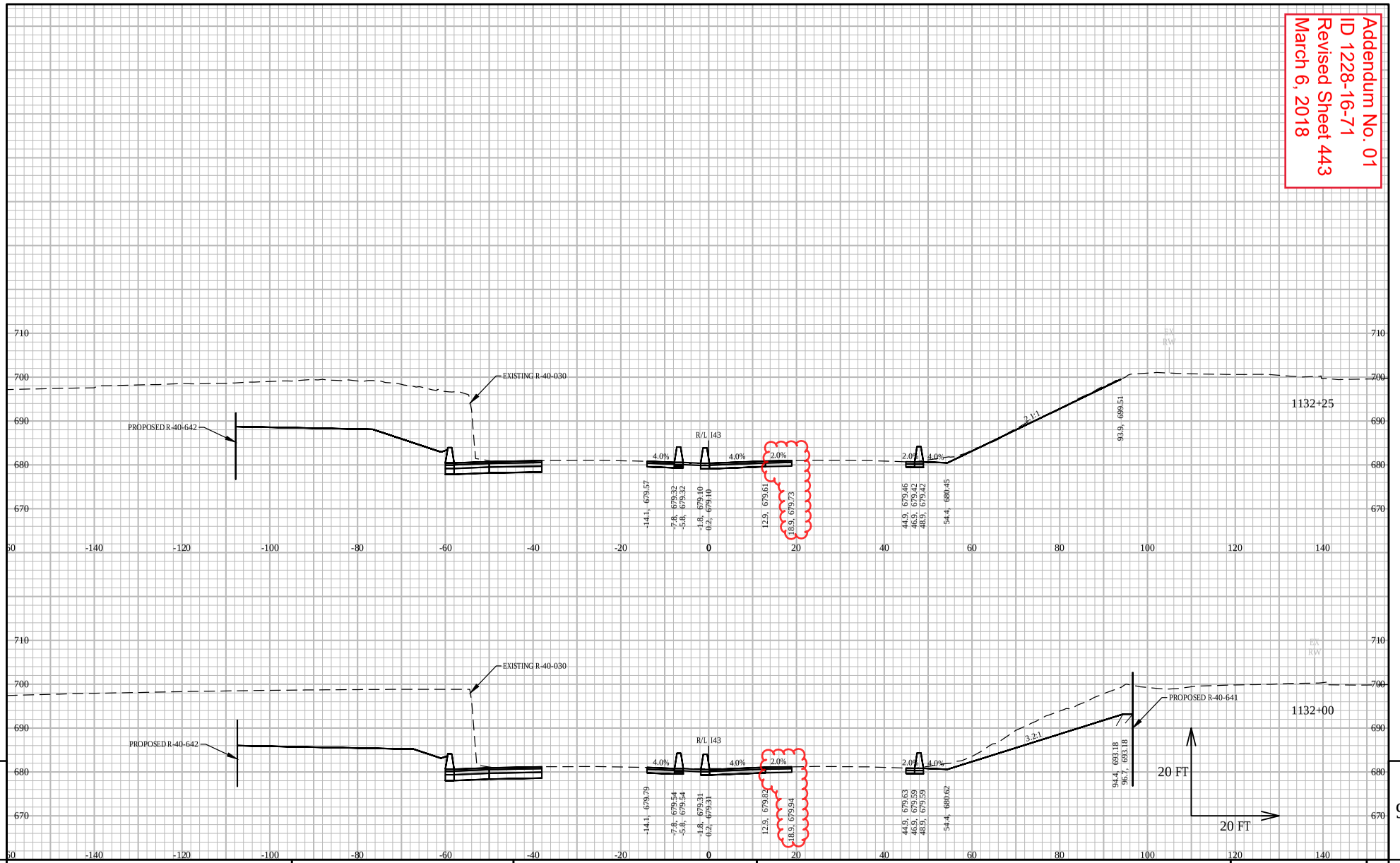
LAYOUT NAME - 090417_xs
PLOT DATE : 2/26/2018 12:11 PM
PLOT BY : ANDREW ROSEMEYER
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

Addendum No. 01
ID 1228-16-71
Revised Sheet 443
March 6, 2018



PROJECT NO: 1228-16-71	HWY: IH-43	COUNTY: MILWAUKEE	CROSS SECTIONS: I-43	SHEET 443	E

FILE NAME : F:\DESIGN\PLANS\12290401\SHEETSPLAN\12290401_MILWAUKEE\GREEN TREE\090603_XS_I43.DWG
LAYOUT NAME - 090418_xs
PLOT DATE : 2/26/2018 12:09 PM
PLOT BY : ANDREW ROSEMEYER
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

Proposal ID: 20180313012 Project(s): 1228-16-71

Federal ID(s): WISC 2018142

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	108.4400 CPM Progress Schedule	1.000 EACH	_____._____	_____._____
0004	201.0105 Clearing	18.000 STA	_____._____	_____._____
0006	201.0205 Grubbing	18.000 STA	_____._____	_____._____
0008	203.0200 Removing Old Structure (station) 01. 40GT+00	LS	LUMP SUM	_____._____
0010	203.0200 Removing Old Structure (station) 02. 14RWW+00	LS	LUMP SUM	_____._____
0012	203.0210.S Abatement of Asbestos Containing Material (structure) 01. R-40-30	LS	LUMP SUM	_____._____
0014	204.0100 Removing Pavement	4,366.000 SY	_____._____	_____._____
0016	204.0150 Removing Curb & Gutter **P**	4,471.000 LF	_____._____	_____._____
0018	204.0157 Removing Concrete Barrier	637.000 LF	_____._____	_____._____
0020	204.0165 Removing Guardrail **P**	680.000 LF	_____._____	_____._____
0022	204.0170 Removing Fence	597.000 LF	_____._____	_____._____
0024	204.0195 Removing Concrete Bases	5.000 EACH	_____._____	_____._____
0026	204.0210 Removing Manholes	5.000 EACH	_____._____	_____._____
0028	204.0220 Removing Inlets	17.000 EACH	_____._____	_____._____
0030	204.0245 Removing Storm Sewer (size) 01. 12-Inch	189.000 LF	_____._____	_____._____

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0032	204.0245 Removing Storm Sewer (size) 02. 15-Inch	359.000 LF	_____.____	_____.____
0034	204.0245 Removing Storm Sewer (size) 03. 36-Inch	90.000 LF	_____.____	_____.____
0036	204.9060.S Removing (item description) 20. Ramp Control Signal Assembly Sidemount	2.000 EACH	_____.____	_____.____
0038	205.0100 Excavation Common	16,132.000 CY	_____.____	_____.____
0040	206.1000 Excavation for Structures Bridges (structure) 01. B-40-917	LS	LUMP SUM	_____.____
0042	206.3000 Excavation for Structures Retaining Walls (structure) 01. R-40-641	LS	LUMP SUM	_____.____
0044	206.3000 Excavation for Structures Retaining Walls (structure) 02. R-40-642	LS	LUMP SUM	_____.____
0046	208.0100 Borrow	3,307.000 CY	_____.____	_____.____
0048	209.0300.S Backfill Coarse Aggregate (size) 04. No. 1	74.000 CY	_____.____	_____.____
0050	210.1500 Backfill Structure Type A	2,083.000 TON	_____.____	_____.____
0052	213.0100 Finishing Roadway (project) 05. 1228-16-71	1.000 EACH	_____.____	_____.____
0054	305.0110 Base Aggregate Dense 3/4-Inch	37.000 TON	_____.____	_____.____
0056	305.0120 Base Aggregate Dense 1 1/4-Inch	9,449.000 TON	_____.____	_____.____
0058	311.0110 Breaker Run	5,704.000 TON	_____.____	_____.____
0060	312.0110 Select Crushed Material	173.000 TON	_____.____	_____.____

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0064	415.0100 Concrete Pavement 10-Inch	86.000 SY	_____.____	_____.____
0066	416.0170 Concrete Driveway 7-Inch	53.000 SY	_____.____	_____.____
0068	416.0610 Drilled Tie Bars	65.000 EACH	_____.____	_____.____
0070	416.1110 Concrete Shoulder Rumble Strips	1,400.000 LF	_____.____	_____.____
0072	440.4410 Incentive IRI Ride	2,503.000 DOL	1.00000	2,503.00
0074	450.4000 HMA Cold Weather Paving	300.000 TON	_____.____	_____.____
0076	455.0605 Tack Coat	927.000 GAL	_____.____	_____.____
0078	460.2000 Incentive Density HMA Pavement	2,978.000 DOL	1.00000	2,978.00
0080	460.6223 HMA Pavement 3 MT 58-28 S	2,307.000 TON	_____.____	_____.____
0082	460.6224 HMA Pavement 4 MT 58-28 S	1,558.000 TON	_____.____	_____.____
0084	465.0120 Asphaltic Surface Driveways and Field Entrances	47.000 TON	_____.____	_____.____
0086	495.1000.S Cold patch	20.000 TON	_____.____	_____.____
0088	502.0100 Concrete Masonry Bridges **P**	949.000 CY	_____.____	_____.____
0090	502.3200 Protective Surface Treatment **P**	1,578.000 SY	_____.____	_____.____
0092	502.3210 Pigmented Surface Sealer	200.000 SY	_____.____	_____.____
0094	503.0146 Prestressed Girder Type I 45W-Inch **P**	1,933.000 LF	_____.____	_____.____

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0096	505.0400 Bar Steel Reinforcement HS Structures **P**	17,270.000 LB	_____._____	_____._____
0098	505.0600 Bar Steel Reinforcement HS Coated Structures **P**	159,280.000 LB	_____._____	_____._____
0100	506.0605 Structural Steel HS	38,110.000 LB	_____._____	_____._____
0102	506.2605 Bearing Pads Elastomeric Non-Laminated **P**	36.000 EACH	_____._____	_____._____
0104	506.4000 Steel Diaphragms (structure) 01. B-40-917 **P**	32.000 EACH	_____._____	_____._____
0106	511.1200 Temporary Shoring (structure) 01. B-40-917	2,340.000 SF	_____._____	_____._____
0108	511.1200 Temporary Shoring (structure) 02. R-40-642	920.000 SF	_____._____	_____._____
0110	511.1200 Temporary Shoring (structure) 03. R-40-641	1,520.000 SF	_____._____	_____._____
0112	512.0500 Piling Steel Sheet Permanent Delivered	17,040.000 SF	_____._____	_____._____
0114	512.0600 Piling Steel Sheet Permanent Driven	17,040.000 SF	_____._____	_____._____
0116	513.4091 Railing Tubular Screening (structure) 01. B-40-917	475.000 LF	_____._____	_____._____
0118	516.0500 Rubberized Membrane Waterproofing **P**	30.000 SY	_____._____	_____._____
0120	517.0600 Painting Epoxy System (structure) 01. R-40-641	LS	LUMP SUM	_____._____
0122	517.0600 Painting Epoxy System (structure) 02. R-40-642	LS	LUMP SUM	_____._____

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0124	520.8000 Concrete Collars for Pipe	4.000 EACH	_____._____	_____._____
0126	550.2166 Piling CIP Concrete 16 X 0.375-Inch	3,390.000 LF	_____._____	_____._____
0128	601.0105 Concrete Curb Type A	67.000 LF	_____._____	_____._____
0130	601.0411 Concrete Curb & Gutter 30-Inch Type D	2,808.000 LF	_____._____	_____._____
0132	602.0410 Concrete Sidewalk 5-Inch	6,788.000 SF	_____._____	_____._____
0134	602.0515 Curb Ramp Detectable Warning Field Natural Patina	52.000 SF	_____._____	_____._____
0136	602.0615 Curb Ramp Detectable Warning Field Radial Natural Patina	108.000 SF	_____._____	_____._____
0138	603.1142 Concrete Barrier Type S42 **P**	2,034.000 LF	_____._____	_____._____
0140	603.1442 Concrete Barrier Type S42C **P**	1,727.000 LF	_____._____	_____._____
0142	603.8000 Concrete Barrier Temporary Precast Delivered	3,986.000 LF	_____._____	_____._____
0144	603.8125 Concrete Barrier Temporary Precast Installed	4,361.000 LF	_____._____	_____._____
0148	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	369.000 LF	_____._____	_____._____
0150	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	552.000 LF	_____._____	_____._____
0152	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	248.000 LF	_____._____	_____._____
0154	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	121.000 LF	_____._____	_____._____

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0156	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	34.000 LF	_____.____	_____.____
0158	608.0336 Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	108.000 LF	_____.____	_____.____
0160	608.0430 Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	286.000 LF	_____.____	_____.____
0162	611.0420 Reconstructing Manholes	4.000 EACH	_____.____	_____.____
0164	611.0530 Manhole Covers Type J	2.000 EACH	_____.____	_____.____
0166	611.0535 Manhole Covers Type J-Special	8.000 EACH	_____.____	_____.____
0168	611.0606 Inlet Covers Type B	1.000 EACH	_____.____	_____.____
0170	611.0610 Inlet Covers Type BW	13.000 EACH	_____.____	_____.____
0172	611.0624 Inlet Covers Type H	9.000 EACH	_____.____	_____.____
0174	611.0642 Inlet Covers Type MS	3.000 EACH	_____.____	_____.____
0176	611.0651 Inlet Covers Type S	1.000 EACH	_____.____	_____.____
0178	611.0654 Inlet Covers Type V	1.000 EACH	_____.____	_____.____
0180	611.1005 Catch Basins 5-FT Diameter	3.000 EACH	_____.____	_____.____
0182	611.1006 Catch Basins 6-FT Diameter	1.000 EACH	_____.____	_____.____
0184	611.2004 Manholes 4-FT Diameter	6.000 EACH	_____.____	_____.____
0186	611.2005 Manholes 5-FT Diameter	2.000 EACH	_____.____	_____.____

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0188	611.2006 Manholes 6-FT Diameter	3.000 EACH	_____.____	_____.____
0190	611.2007 Manholes 7-FT Diameter	1.000 EACH	_____.____	_____.____
0192	611.3220 Inlets 2x2-FT	1.000 EACH	_____.____	_____.____
0194	611.3225 Inlets 2x2.5-FT	10.000 EACH	_____.____	_____.____
0196	611.3230 Inlets 2x3-FT	5.000 EACH	_____.____	_____.____
0198	611.3901 Inlets Median 1 Grate	3.000 EACH	_____.____	_____.____
0200	611.8115 Adjusting Inlet Covers	3.000 EACH	_____.____	_____.____
0202	611.9900.S Drain Slotted Vane	2.000 EACH	_____.____	_____.____
0204	612.0206 Pipe Underdrain Unperforated 6-Inch	370.000 LF	_____.____	_____.____
0206	612.0406 Pipe Underdrain Wrapped 6-Inch	2,685.000 LF	_____.____	_____.____
0208	614.0905 Crash Cushions Temporary	5.000 EACH	_____.____	_____.____
0210	614.0920 Salvaged Rail	89.000 LF	_____.____	_____.____
0212	614.0950 Replacing Guardrail Posts and Blocks	25.000 EACH	_____.____	_____.____
0214	614.0951 Replacing Guardrail Rail and Hardware	89.000 LF	_____.____	_____.____
0216	614.1100 MGS Guardrail Temporary Thrie Beam Transition **P**	99.000 LF	_____.____	_____.____
0218	614.2300 MGS Guardrail 3	25.000 LF	_____.____	_____.____

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0220	614.2620 MGS Guardrail Terminal Type 2	2.000 EACH	_____.____	_____.____
0222	616.0206 Fence Chain Link 6-FT	985.000 LF	_____.____	_____.____
0224	616.0600.S Fence Temporary	183.000 LF	_____.____	_____.____
0226	616.0700.S Fence Safety	365.000 LF	_____.____	_____.____
0228	618.0100 Maintenance And Repair of Haul Roads (project) 06. 1228-16-71	1.000 EACH	_____.____	_____.____
0230	619.1000 Mobilization	1.000 EACH	_____.____	_____.____
0232	623.0200 Dust Control Surface Treatment	13,800.000 SY	_____.____	_____.____
0234	624.0100 Water	140.000 MGAL	_____.____	_____.____
0236	625.0500 Salvaged Topsoil	8,898.000 SY	_____.____	_____.____
0238	627.0200 Mulching	451.000 SY	_____.____	_____.____
0240	628.1104 Erosion Bales	30.000 EACH	_____.____	_____.____
0242	628.1504 Silt Fence	1,405.000 LF	_____.____	_____.____
0244	628.1520 Silt Fence Maintenance	1,405.000 LF	_____.____	_____.____
0246	628.1905 Mobilizations Erosion Control	7.000 EACH	_____.____	_____.____
0248	628.1910 Mobilizations Emergency Erosion Control	8.000 EACH	_____.____	_____.____
0250	628.2002 Erosion Mat Class I Type A	4,016.000 SY	_____.____	_____.____

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0252	628.2006 Erosion Mat Urban Class I Type A	2,778.000 SY	_____.____	_____.____
0254	628.2023 Erosion Mat Class II Type B	3,073.000 SY	_____.____	_____.____
0256	628.6510 Soil Stabilizer Type B	0.250 ACRE	_____.____	_____.____
0258	628.7005 Inlet Protection Type A	28.000 EACH	_____.____	_____.____
0260	628.7020 Inlet Protection Type D	44.000 EACH	_____.____	_____.____
0262	628.7504 Temporary Ditch Checks	35.000 LF	_____.____	_____.____
0264	628.7560 Tracking Pads	3.000 EACH	_____.____	_____.____
0266	628.7570 Rock Bags	30.000 EACH	_____.____	_____.____
0268	629.0210 Fertilizer Type B	11.000 CWT	_____.____	_____.____
0270	630.0120 Seeding Mixture No. 20	285.000 LB	_____.____	_____.____
0272	630.0200 Seeding Temporary	109.000 LB	_____.____	_____.____
0274	633.0200 Delineators Flexible **P**	59.000 EACH	_____.____	_____.____
0276	634.0612 Posts Wood 4x6-Inch X 12-FT	22.000 EACH	_____.____	_____.____
0278	634.0618 Posts Wood 4x6-Inch X 18-FT	17.000 EACH	_____.____	_____.____
0280	634.0816 Posts Tubular Steel 2x2-Inch X 16-FT	28.000 EACH	_____.____	_____.____
0282	635.0200 Sign Supports Structural Steel HS	1,000.000 LB	_____.____	_____.____
0284	636.0100 Sign Supports Concrete Masonry	1.600 CY	_____.____	_____.____

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0286	636.0500 Sign Supports Steel Reinforcement	98.000 LB	_____.____	_____.____
0288	637.2210 Signs Type II Reflective H	256.400 SF	_____.____	_____.____
0290	637.2230 Signs Type II Reflective F	91.500 SF	_____.____	_____.____
0292	638.2101 Moving Signs Type I	1.000 EACH	_____.____	_____.____
0294	638.2102 Moving Signs Type II	3.000 EACH	_____.____	_____.____
0296	638.2601 Removing Signs Type I	1.000 EACH	_____.____	_____.____
0298	638.2602 Removing Signs Type II	49.000 EACH	_____.____	_____.____
0300	638.3000 Removing Small Sign Supports	45.000 EACH	_____.____	_____.____
0302	638.3100 Removing Structural Steel Sign Supports	2.000 EACH	_____.____	_____.____
0304	643.0300 Traffic Control Drums	23,065.000 DAY	_____.____	_____.____
0306	643.0410 Traffic Control Barricades Type II	2,460.000 DAY	_____.____	_____.____
0308	643.0420 Traffic Control Barricades Type III	6,350.000 DAY	_____.____	_____.____
0310	643.0705 Traffic Control Warning Lights Type A	12,330.000 DAY	_____.____	_____.____
0312	643.0715 Traffic Control Warning Lights Type C	1,980.000 DAY	_____.____	_____.____
0314	643.0800 Traffic Control Arrow Boards	260.000 DAY	_____.____	_____.____
0316	643.0900 Traffic Control Signs	27,260.000 DAY	_____.____	_____.____
0318	643.0920 Traffic Control Covering Signs Type II	36.000 EACH	_____.____	_____.____

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0320	643.1000 Traffic Control Signs Fixed Message	237.300 SF	_____.____	_____.____
0322	643.1050 Traffic Control Signs PCMS	375.000 DAY	_____.____	_____.____
0324	643.5000 Traffic Control	1.000 EACH	_____.____	_____.____
0326	645.0111 Geotextile Type DF Schedule A	155.000 SY	_____.____	_____.____
0328	645.0120 Geotextile Type HR	67.000 SY	_____.____	_____.____
0330	646.1020 Marking Line Epoxy 4-Inch **P**	4,019.000 LF	_____.____	_____.____
0332	646.1040 Marking Line Grooved Wet Ref Epoxy 4-Inch **P**	7,522.000 LF	_____.____	_____.____
0334	646.1555 Marking Line Grooved Contrast Permanent Tape 4-Inch	897.000 LF	_____.____	_____.____
0336	646.3555 Marking Line Grooved Contrast Permanent Tape 8-Inch	1,729.000 LF	_____.____	_____.____
0338	646.5020 Marking Arrow Epoxy	2.000 EACH	_____.____	_____.____
0340	646.5220 Marking Symbol Epoxy	4.000 EACH	_____.____	_____.____
0342	646.6120 Marking Stop Line Epoxy 18-Inch **P**	95.000 LF	_____.____	_____.____
0344	646.7120 Marking Diagonal Epoxy 12-Inch **P**	265.000 LF	_____.____	_____.____
0346	646.7220 Marking Chevron Epoxy 24-Inch **P**	186.000 LF	_____.____	_____.____
0348	646.7420 Marking Crosswalk Epoxy Transverse Line 6-Inch **P**	172.000 LF	_____.____	_____.____
0350	646.9000 Marking Removal Line 4-Inch	4,307.000 LF	_____.____	_____.____

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0352	646.9100 Marking Removal Line 8-Inch	166.000 LF	_____.____	_____.____
0354	646.9300 Marking Removal Special Marking	4.000 EACH	_____.____	_____.____
0356	649.0150 Temporary Marking Line Removable Tape 4-Inch	18,613.000 LF	_____.____	_____.____
0358	649.0760 Temporary Marking Raised Pavement Marker Type I	169.000 EACH	_____.____	_____.____
0360	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**	1,495.000 LF	_____.____	_____.____
0362	652.0615 Conduit Special 3-Inch **P**	190.000 LF	_____.____	_____.____
0364	652.0700.S Install Conduit into Existing Item	6.000 EACH	_____.____	_____.____
0366	653.0140 Pull Boxes Steel 24x42-Inch	6.000 EACH	_____.____	_____.____
0368	653.0905 Removing Pull Boxes	4.000 EACH	_____.____	_____.____
0370	654.0101 Concrete Bases Type 1	2.000 EACH	_____.____	_____.____
0372	654.0108 Concrete Bases Type 8	3.000 EACH	_____.____	_____.____
0374	655.0210 Cable Traffic Signal 3-14 AWG **P**	670.000 LF	_____.____	_____.____
0376	655.0240 Cable Traffic Signal 7-14 AWG **P**	100.000 LF	_____.____	_____.____
0378	655.0510 Electrical Wire Traffic Signals 12 AWG **P**	4,005.000 LF	_____.____	_____.____
0380	655.0610 Electrical Wire Lighting 12 AWG **P**	522.000 LF	_____.____	_____.____
0382	655.0615 Electrical Wire Lighting 10 AWG **P**	210.000 LF	_____.____	_____.____

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0384	655.0620 Electrical Wire Lighting 8 AWG **P**	5,180.000 LF	_____.____	_____.____
0386	655.0700 Loop Detector Lead In Cable **P**	450.000 LF	_____.____	_____.____
0388	657.0100 Pedestal Bases	2.000 EACH	_____.____	_____.____
0390	657.0420 Traffic Signal Standards Aluminum 13-FT	2.000 EACH	_____.____	_____.____
0392	658.0172 Traffic Signal Face 2S 12-Inch	2.000 EACH	_____.____	_____.____
0394	658.0173 Traffic Signal Face 3S 12-Inch	2.000 EACH	_____.____	_____.____
0396	670.0100 Field System Integrator	 LS	LUMP SUM	_____.____
0398	670.0200 ITS Documentation	 LS	LUMP SUM	_____.____
0400	671.0132 Conduit HDPE 3-Duct 2-Inch **P**	2,670.000 LF	_____.____	_____.____
0402	671.0232 Conduit HDPE Directional Bore 3-Duct 2-Inch **P**	535.000 LF	_____.____	_____.____
0404	671.0300 Fiber Optic Cable Marker	9.000 EACH	_____.____	_____.____
0406	673.0105 Communication Vault Type 1	3.000 EACH	_____.____	_____.____
0408	674.0200 Cable Microwave Detector **P**	155.000 LF	_____.____	_____.____
0410	674.0300 Remove Cable **P**	4,015.000 LF	_____.____	_____.____
0412	678.0072 Install Fiber Optic Cable Outdoor Plant 72-CT **P**	4,255.000 LF	_____.____	_____.____
0414	678.0300 Fiber Optic Splice	72.000 EACH	_____.____	_____.____

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0416	678.0400 Fiber Optic Termination	72.000 EACH	_____.____	_____.____
0418	678.0500 Communication System Testing	 LS	 LUMP SUM	 _____.____
0420	690.0150 Sawing Asphalt	2,855.000 LF	_____.____	_____.____
0422	690.0250 Sawing Concrete	355.000 LF	_____.____	_____.____
0424	715.0502 Incentive Strength Concrete Structures	5,694.000 DOL	1.00000	5,694.00
0426	ASP.1T0A On-the-Job Training Apprentice at $5.00/HR	2,400.000 HRS	5.00000	12,000.00
0428	ASP.1T0G On-the-Job Training Graduate at $5.00/HR	3,600.000 HRS	5.00000	18,000.00
0430	SPV.0045 Special 01. Portable Speed Trailer	245.000 DAY	_____.____	_____.____
0432	SPV.0060 Special 02. Tieback Anchors	112.000 EACH	_____.____	_____.____
0434	SPV.0060 Special 03. Tieback Anchors Performance Tests	7.000 EACH	_____.____	_____.____
0436	SPV.0060 Special 04. Tieback Anchors Extended Creep Tests	4.000 EACH	_____.____	_____.____
0438	SPV.0060 Special 05. Pile Dynamic Analyzer (PDA) Testing	8.000 EACH	_____.____	_____.____
0440	SPV.0060 Special 06. Pile Dynamic Analyzer (PDA) Restrikes	8.000 EACH	_____.____	_____.____
0442	SPV.0060 Special 07. Case Pile Wave Analysis Program (CAPWAP) Evaluation	3.000 EACH	_____.____	_____.____
0444	SPV.0060 Special 08. Adjusting Sanitary Manhole	2.000 EACH	_____.____	_____.____

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0446	SPV.0060 Special 09. Reconstruct Sanitary Manhole	3.000 EACH	_____.____	_____.____
0448	SPV.0060 Special 10. Field Facility Office Space	1.000 EACH	_____.____	_____.____
0450	SPV.0060 Special 11. Inlet Cover Repair Maintenance Special	2.000 EACH	_____.____	_____.____
0452	SPV.0060 Special 21. Lamp Disposal High Intensity Discharge	3.000 EACH	_____.____	_____.____
0454	SPV.0060 Special 22. Lighting Units Salvaged	3.000 EACH	_____.____	_____.____
0456	SPV.0075 Special 01. Pavement Cleanup Project (1228-16-71)	250.000 HRS	_____.____	_____.____
0458	SPV.0075 Special 02. Flagging Special	264.000 HRS	_____.____	_____.____
0460	SPV.0090 Special 01. Concrete Barrier Temporary Precast Left In Place	862.000 LF	_____.____	_____.____
0462	SPV.0090 Special 04. Concrete Curb & Gutter SHES 30-Inch Type D	153.000 LF	_____.____	_____.____
0464	SPV.0105 Special 01. Survey Project 1228-16-71	LS	LUMP SUM	_____.____
0466	SPV.0105 Special 02. Structure Modification MMSD DC0406	LS	LUMP SUM	_____.____
0468	SPV.0105 Special 03. Maintenance of Lighting System	LS	LUMP SUM	_____.____
0470	SPV.0165 Special 01. Salvage and Replace Brick Pavers	43.000 SF	_____.____	_____.____
0472	SPV.0180 Special 01. Geogrid Reinforcement	260.000 SY	_____.____	_____.____

Proposal ID: 20180313012 Project(s): 1228-16-71

Federal ID(s): WISC 2018142

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0474	SPV.0195 Special 01. Excavation, Hauling, and Disposal of Creosote Contaminated Soil	2,110.000 TON	_____._____	_____._____
0476	201.0120 Clearing	24.000 ID	_____._____	_____._____
0478	201.0220 Grubbing	24.000 ID	_____._____	_____._____
0480	204.0155 Removing Concrete Sidewalk	700.000 SY	_____._____	_____._____
0482	204.0280 Sealing Pipes	3.000 EACH	_____._____	_____._____
0484	204.9090.S Removing (item description) 01. Electrical Wires from Conduit	250.000 LF	_____._____	_____._____
0486	204.9105.S Removing (item description) 01. Nicolet Ped Tunnel Entrances	 LS	LUMP SUM	_____._____
0488	209.0200.S Backfill Controlled Low Strength	22.000 CY	_____._____	_____._____
0490	416.1715 Concrete Pavement Repair SHES	33.000 SY	_____._____	_____._____
0492	SPV.0035 Special 01. Flowable Fill	380.000 CY	_____._____	_____._____
0494	SPV.0135 Special 01. Vibration Monitoring	7.000 MON	_____._____	_____._____
0496	SPV.0180 Special 02. Slope Paving Crushed Aggregate Special	770.000 SY	_____._____	_____._____
	Section: 0001		Total:	_____._____

Total Bid: _____._____