S.P. 111 EROSION AND SEDIMENT CONTROL

The Illinois Tollway, in order to comply with various environmental regulations, has included Bid Items from Section 280 of the Illinois Tollway Supplemental Specifications and/or the Standard Specifications, to implement such compliance. The Contractor shall make his/her employees and subcontractors aware that the Illinois Tollway will strictly enforce these requirements.

The National Pollutant Discharge Elimination System (NPDES) program of the Federal Clean Water Act addresses pollution by regulating point sources that discharge pollutants into waters of the United States. In Illinois, coverage under an NPDES stormwater permit is required from the IEPA for construction activities that result in disturbance of one (1) or more acres of total land area. The Illinois Tollway must comply with the requirements of the current ILR10 permit for all projects that meet the ILR10 permit applicability criteria.

As an operator of a small municipal separate storm sewer system (MS4) and ILR40 permittee from the IEPA, the Illinois Tollway is required to reduce the discharge of pollutants from their MS4 to the maximum extent practicable, to protect water quality, and to satisfy the appropriate water quality requirements of the Illinois Pollution Control Board Rules and Regulations (35 Ill. Adm. Code, Subtitle C, Chapter 1) and the Clean Water Act. Accordingly, it is the policy of the Illinois Tollway that all construction operations be conducted in a manner that minimizes the potential to impact stormwater.

Erosion and sediment controls (regardless of the area of earth disturbance) and other stormwater protection measures must be provided on all projects which will expose areas of soil or otherwise have a reasonable potential to impact the environment. Such impacts include but are not limited to adverse effects to operations on the highway or associated rights-of-way, introduction of pollutants into receiving waters, or could affect adjacent properties, sensitive environmental resources, or other resources which the Illinois Tollway has committed to protect from pollutant impacts.

Illinois Tollway projects which involve clearing and grubbing, excavation, stockpiling of soil and aggregate, borrow, construction of embankment, or otherwise require the use of temporary erosion and sediment control measures requires the preparation and implementation of an Erosion and Sediment Control Plan.

All Illinois Tollway projects have been evaluated for the need for an NPDES permit, erosion and sediment controls, and pollution prevention measures to protect stormwater as part of the preparation of the Contract Plan and Documents. If the project involves a cumulative land disturbance of one (1) acre or more, an NPDES permit is required and requirements of the permit are specified in S.P. 111.1. Requirements regarding erosion and sediment control and other pollution prevention controls to minimize stormwater pollution during construction activities are specified in S.P. 111.2.

The Contract Plans identify the types of erosion and sediment control practices to be used, the locations in which they will be applied, and when they should be applied in relation to the sequence of construction operations. The sequence of construction operations may not have been specified in the Contract Plans. Rather, the application of erosion and sediment control measures in relation to the specific stages of construction that may expose soil wherever those stages occur may be described.

S.P. 111.1 NPDES PERMIT NO. ILR10

The general construction site activities of this project will be conducted under the Illinois Environmental Protection Agency (IEPA) General Permit to Discharge Stormwater associated with construction site activities (ILR10).

The requirements of this permit include the development of detailed Erosion and Sediment Control Plan (ESCP) and the preparation of a Stormwater Pollution Prevention Plan (SWPPP) that addresses erosion and sediment control issues, stormwater management, and control of other construction-related pollutants that could impact the environment. Also included are the installation of the required measures by the Contractor, along with the implementation of an active inspection and maintenance program, and the filing of the necessary required documents.

The Contract Plans and Documents describe the ESCP proposed for the project. The Contractor may submit new drawings defining the measures to be installed but these drawings will need to be approved by the Illinois Tollway prior to the Illinois Tollway signing the SWPPP.

The SWPPP, S.P. 111.2, is to be completed by the Contractor and submitted to the Illinois Tollway for review and signature. This SWPPP must be approved and signed by the Illinois Tollway and the Contractor and submitted to the IEPA no later than 30 days prior to the start of construction, with the Notice of Intent (NOI). A copy of the signed

SWPPP and referenced documents are to be kept on the construction site at all times by the Engineer and the Contractor. The SWPPP is to be updated by the Engineer and Contractor as changes are made during construction.

The NOI must be submitted to the IEPA no later than 30 days prior to the start of construction. The NOI will be initiated by the Design Section Engineer (DSE), who is responsible for completing the owner, construction site (except for construction start/end dates), type of construction, historic preservation and endangered species compliance, and receiving water information sections. The Contractor will finalize the NOI by completing the contractor information, dates of construction start/end, SWPPP information, and any missing information from the type of construction information sections. The Contractor will submit the completed NOI to the Engineer, who will then submit it to the Illinois Tollway Environmental Unit for signature and filing with the IEPA. The Contractor shall submit the completed NOI and SWPPP within five (5) business days of Notice to Proceed date, to the Engineer in order to provide sufficient time for this process and for the forms to be filed with the IEPA no later than 30 days before any ground disturbing activity begins. A copy of a blank NOI form can be found at:

http://www.epa.state.il.us/water/permits/storm-water/construction.html

A copy of the letter of notification of coverage from the IEPA, along with the General NPDES Permit for Storm Water Discharges from Construction Site Activities shall be posted at the site in a prominent place for public viewing.

The Illinois Tollway's General Permit ILR40 from the IEPA requires established and controlled concrete washout location(s) in order to reduce contaminated runoff into nearby ditches and streams. The Contractor shall be responsible for locating the concrete truck washout locations. At the time of the Preconstruction Conference, the Contractor shall submit for approval the proposed concrete truck washout location(s). The locations will be reviewed and discussed at the Preconstruction Conference to reinforce to the Contractor the importance of the washout facilities so that pollutants do not reach the storm sewer or ditch systems. The approved location(s) shall be annotated on the Engineer's copy(ies) of the Erosion and Sediment Control Plan.

The Illinois Tollway's General Permit ILR40 also requires that sediment laden stormwater runoff containing suspended and dissolved solids from roadway base comprised of either recycled concrete or rubblized concrete have said solids removed prior to discharging outside of Illinois Tollway right-of-way to the extent required by the NPDES General Permit. For construction areas adjacent to creeks and streams, the stormwater's pH must also be moderated prior to discharge. The Contract Documents have incorporated appropriate Best Management Practices (BMPs) into the project plans to prevent these types of sediments from leaving Illinois Tollway right-of-way. The Contractor shall be responsible for installing identified BMPs, identifying any areas where sediments are leaving Illinois Tollway right-of-way, and removing said BMPs following completion of the project when sediments are no longer being released.

For any violation of the SWPPP observed during any inspection conducted, including those not required by the plan, and any illicit discharge (defined as any discharge that is not composed entirely of stormwater) exiting the right-of-way or to receiving waters, the Engineer will immediately report the incident to the Illinois Tollway Environmental Unit. Corrective actions must be initiated immediately to address any non-compliance issues(s).

Reports of violations of the SWPPP and illicit discharges shall be reported to the Illinois Tollway Environmental Unit at environment@getipass.com. For additional inquiry, contact (630) 241-6800 ext. 4222. The Illinois Tollway Environmental Unit will coordinate any potential violations directly with the IEPA. In addition, the Engineer will provide a written submission to the Illinois Tollway Environmental Unit and the project files within five (5) days summarizing the incident(s) and actions taken.

A Notice of Termination (NOT) will be filed by the Engineer with the Illinois Tollway and the Contractor when construction is completed and construction related discharge authorized by the permit is eliminated, or the contract is terminated. If the discharge of concrete fines continues at the time of contract termination, the Engineer will advise the Illinois Tollway Environmental Unit. The NOT will be filed when the site is permanently stabilized either with a uniform perennial vegetated cover that has a density of 70% coverage or has an equivalent permanent stabilization such as riprap, gabions, or geotextiles. In addition, the NOT will not be filed until all temporary erosion and sediment control measures have been removed. The NOT will not be filed until at least 30 days after all permanent stabilization is installed, all temporary erosion and sediment control measures have been removed, all BMPs associated with concrete or limestone dust particles from roadway base have been removed, and associated disturbed areas stabilized. The NOT will contain information on the dates the construction was completed and when the site was stabilized.

A copy of the General NPDES Permit ILR10 and samples of the NOI, ION and NOT are available at the following website:

http://www.epa.state.il.us/water/permits/storm-water/construction.html

The SWPPP shall be amended whenever there is a change in design, construction, operation, or maintenance, which has a significant effect on the potential for the discharge of pollutants to Waters of the U.S. and which has not otherwise been addressed in the plan. The SWPPP shall also be amended if the plan proves to be ineffective in eliminating or significantly minimizing pollutants, or in otherwise achieving the general objectives of controlling pollutants in storm water discharges associated with construction site activity. In addition, the SWPPP shall be amended to identify any new contractor and/or subcontractor that will implement a measure of the plan. The SWPPP and ESCP must be modified within 7 days for any changes to construction plans, stormwater controls or other activities at the site that are no longer accurately reflected in the SWPPP. Any revisions of the documents for the SWPPP shall be kept on site at all times.

All inspection reports, Contract Drawings relating to the NPDES permitted activities, the SWPPP as amended and other erosion and sediment control documents will be maintained by the Illinois Tollway for at least three (3) years after filing the NOT.

S.P. 111.2 STORM WATER POLLUTION PREVENTION PLAN

1. Site Description.

The following is a description of the construction activity which is the subject of this plan:

a. The improvements to be constructed under this contract shall be performed along the Illinois Tollway Western Access between Mile Post 2.1 and Mile Post 3.3 (Sta. 1105+00 to Sta. 1165+00) in DuPage and Cook Counties, Illinois.

b. The work under this contract includes but is not limited to: Tollway Mainline Bridge Construction, Retaining Wall Construction, Construction of new Tollway Mainline and Ramp Pavement, Relocation of existing MG-20/30/40 ALSF light bar stations for Runways 10C and 10L (The work will include, but not be limited to: constructing new foundations, ductbank, handholes, stairs, removing and replacing ALSF system electrical cables, furnishing and installing new LIR pole assemblies, control system modifications, testing, and making the system complete, fully operational and accepted by the Engineer/FAA as shown on the contract documents. Work within the Airport Operation Area (AOA) will be required.), Construction of Mainline Toll Plaza 306, construction of Tollway ITS Infrastructure, Earthwork, Bensenville Creek Culvert Extension and associated grading, Roadway Drainage and Detention Pond Construction, Roadway Lighting, Signing, Pavement Marking, Landscaping, other miscellaneous and the following work will require design by the contractor as it is included in this contract as a performance specification: Retaining Walls.

c. The following is a description of the intended sequence of major activities which will disturb soils for major portions of the construction site, such as clearing, excavation, grading and on-site or off-site stockpiling of soils or storage of materials.

1. Preload Grading
2. Excavation for drainage
3. Construction of culverts
4. Drainage structures and sewer
5. ALSF Construction
6. Ramp and Bridge Embankment Construction
7. Detention Basin excavation and grading.

The aforementioned general description of construction staging will be modified by the Contractor's Progress Schedule that will be part of the SWPPP. The Contractor shall revise the Suggested Progress Schedule which will be maintained and updated as necessary and made part of the SWPPP.

Additional details regarding the progress schedule and erosion and sediment control sequencing are shown on Sheets PRG-1 to PRG-3 "Suggested Progress Schedule", Sheets EC-1 to EC-21"Erosion and Sediment Control Plan", and Sheets LP-1 to LP-6 "Landscape Plan" and shall be made part of the SWPPP. Where deviations from those drawings are required due to field conditions, the Engineer shall document and maintain a record of the changes as part of this SWPPP.

d. **Total Construction Area and Total Area of Earth Disturbance**

The total area of the construction sites is estimated to be **85.0** acres (including on-site or off-site stockpiling of soils or storage of materials).

The total project area of the site that it is estimated to be disturbed by excavation, grading, or other earth disturbing activities is **48.0** acres.

e. Runoff Coefficients

The estimated runoff coefficients of the various areas of the site after construction activities are completed are contained in the project drainage study which is hereby incorporated by reference.

f. Soil Characteristics

Information describing the soil at the site is contained in the Soils Report for the project, which is hereby incorporated by reference, See SP 119 for Soils Reports.

g. Topography and Drainage

Nearly the entire project area is stabilized with grasses with the occasional tree or shrub.

The Topography of the project has some long slopes with grades around 1:10. There are some steeper slopes with grades of 1:3 both of which represent areas of increased erosion potential.

The current stormwater runoff North of IL 19 (Irving Park Road) flows South to Silver Creek (Bensenville Ditch), The stormwater runoff South of IL 19 is collected and flows East through culverts into Silver Creek.

After grading and installation of stormwater conveyances, site runoff will be collected by storm drain inlets, pipe culverts, and ditches which will convey the runoff to Silver Creek (Bensenville Ditch).

h. Drainage System Ownership

This project will drain into drainage systems owned by the City of Chicago.

I. Site Maps

The plan documents identified below, hereby incorporated by reference, contain site map(s) indicating drainage patterns and approximate slopes anticipated after major grading activities, areas of major soil disturbance, location(s) of proposed soil stockpiles or material storage locations, the location of major structural and nonstructural erosion and sediment controls identified in the plan, the location of areas where stabilization practices are expected to occur, surface waters (including wetlands), and locations where stormwater is discharged from the project to a surface water. These include:

Drainage Plan (DR1- to DR-6), Erosion Control Overview (EC-3 to EC-4), Grading Plans (GP-1 to GP-6), Erosion Control Plan (EC-5 to EC-19)

j. Receiving Waters and Wetland Acreage

The Bensenville Ditch (Silver Creek) receives all stormwater runoff in the project area. It outfalls in the South East Corner of the Project area, as shown on Sheet EC-3.

The Bensenville Ditch is not listed by the IDNR as a Biologically Significant Stream.

The Bensenville Ditch is the only wetland in the project area, it is a Water of the US (WOUS) totaling 3.5 Acres.

k. 303(d) Listed Receiving Waters

The direct receiving water for this project is Silver Creek (Bensenville Ditch) Pollutants it is not identified as a Biologically significant stream by the IDNR, The Silver Creek is listed on the 2018 IEPA 303(d) list as impaired for Debris/Floatables/Trash, visible Oil, and Dissolved Oxygen.

To prevent pollution a flotation boom has been provided.

The runoff from the project is conveyed to The Bensenville Ditch through open ditches and the Bensenville Ditch Culvert.

l. Receiving Waters with Total Maximum Daily Load (TMDL)

Not Applicable

m. Site Features and Sensitive Areas to be Protected

Sensitive environmental resources or site features on or adjacent to the project site that will have the potential to be impacted by the proposed construction and are to be protected and/or remain undisturbed are identified below. These may include but are not limited to steep slopes, highly erodible soils, wetlands, streams and other waterways, existing natural buffers, specimen trees, natural and mature vegetation, nature preserves, floodplains, bioswales, threatened or endangered species, and historic/archaeological resources.

Flow in Silver Creek (Bensenville Ditch), will be protected with a flotation boom, to collect construction debris from the construction of the compensatory storage area. Filter Fabric Basket Inlet Protections, Retangular Inlet Protections, Temporary Ditch Checks, Stone Outlet Sediment traps, Silt fence and Super silt fence will also be utilized to protect flow within the creek from sediment and other construction related debris.

n. Pollutants and Pollutant Sources

The following pollutants and pollutant sources are anticipated to be associated with the project:

- ☒ Soils and Sediment
- ☐ Demolition Waste
- ☒ Paving Operation Materials and Waste
- ☐ Cleaning Products
- ☐ Joint and Patching Compounds
- ☒ Concrete Curing Compounds
- ☐ Painting Products and Wastes
- ☐ Sandblasting Materials and Waste Products
- ☒ Landscaping Materials and Wastes
- ☒ Soil Amendments and Stabilization Products
- ☐ Building Construction Materials and Wastes
- ☒ Vehicle and Equipment Fluids
- ☐ Building Construction Materials and Wastes
- ☒ Portable Toilet Wastes
- ☒ Litter and Miscellaneous Solid Waste
- ☐ Glues, Adhesives, and Sealants
- ☒ Contaminated Soils
- ☐ Dust Palliative Products
- ☐ Other (specify):
- ☐ Other (specify):
- ☐ Other (specify):
- ☐ Other (specify):

o. Applicable Federal, State or Local Requirements

Procedures and requirements specified in applicable sediment and erosion control site plans or storm water management plans approved by local officials, or are required by Federal or State regulatory agencies are described below:

- The management practice, controls, and other provisions provided in the SWPPP are at least as protective as the requirements contained in the Illinois Urban Manual.

- The State of Illinois procedures and standards for urban soil erosion and sediment that are applicable to protecting surface waters, upon submittal of the Notice of Intent to authorize discharges under the ILR10 permit, are incorporated by reference and are enforceable under the permit even if they are not specifically included in the plan. Any additional BMPs which are required beyond those specified herein and/or shown on the Erosion and Sediment Control Plans shall also meet the requirements of the Illinois Urban Manual.

- The proposed improvements comply with FAA Advisory Circular (AC) No.150/5200-338, Hazardous Wildlife Attractants on or near

Airports (dated August 28, 2007). Specific requirements pertaining to stormwater management facilities, wetland mitigation, and landscaping were coordinated with and confirmed by the FAA and the U.S. Department of Agriculture - Animal and Plant Health Inspection Service (USDAAPHIS). The principal criteria include no new wildlife attractants (e.g., open water, wetlands, or vegetation attractive to wildlife) within five miles of the airport.

- The project is subject to all requirements of a Section 404 permit issued by the USACE. All in-stream work will be performed in accordance with the Chicago District, USACE - Regulatory Branch Requirements for In-stream Construction Activities (USACE, 2013). This includes the use of non-erodible cofferdams, filtering of dewatering operations, timber/work mats and the use of low ground-pressure equipment for work in wetlands (where practical). The Contractor is required to abide by all conditions of the Section 404 permit during construction.

2. Controls.

This section of the plan addresses the various controls that will be implemented for each of the major construction activities described in 1.b. above. For each measure discussed, the contractor that will be responsible for its implementation as indicated. Each such contractor has signed the required certification on forms which are attached to, and are part of, this plan.

The Erosion Control Plan Drawings EC-3 to EC-21, included in the Contract Documents, define the size and location of the measures to be installed during the construction of this project.

a. Stabilization Practices

Stabilization of disturbed areas must, at a minimum, be initiated immediately whenever any clearing, grading, excavation or other earth disturbing activities have permanently ceased on any portion of the site, or temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days. Stabilization of disturbed areas must be initiated within 1 working day of permanent or temporary cessation of earth disturbing activities and shall be completed as soon as possible but not later than 14 days from the initiation of stabilization work in an area. Where the initiation of stabilization measures is precluded by snow cover, stabilization measures shall be initiated as soon as practicable.

Where shown on the Contract Plans, Same-Day Stabilization shall be utilized to reduce the movement of soils once they are exposed by the Contractor's operations. Same-Day Stabilization is to be implemented after the initial perimeter controls are in place and concurrently with the Contractor's daily operations. In this case, the work zone must be left in such condition that the grading areas disturbed that day are stabilized, and measures are in place to control sediment laden stormwater.

The Engineer may also direct the Contractor to provide Same-Day Stabilization to critical disturbed areas where there is a risk that sediment laden runoff may occur. When directed by the Engineer, Same-Day Stabilization of specified areas shall commence the same day as directed and shall be completed no later than 24 hours after receipt of such direction.

Same-Day Stabilization may consist of either temporary erosion control measures or the permanent landscaping indicated on the Contract Plans. When permanent landscaping is not possible, due either to construction staging or site constraints, Same-Day Stabilization shall consist of temporary erosion control measures.

Provided below is a description of interim and permanent stabilization practices, including site-specific scheduling of the implementation of the practices and the locations for use. Site plans should ensure that existing vegetation is preserved where practicable and disturbed portions of the site are stabilized.

The following stabilization practices will be used for this project:

- ☐ Temporary Stabilization with Straw Mulch
- ☒ Same-Day Stabilization
- ☒ Erosion Control Blanket
- ☐ Temporary Seeding
- ☒ Permanent Seeding
- ☐ Tree Protection Fence
- ☐ Mulching
- ☐ Geotextiles
- ☐ Sod
- ☐ Vegetative Buffer
- ☐ Staged or Staggered Development
- ☒ Dust Control Watering
- ☒ Dust Suppression Agents
- ☐ Soil Stockpile Management
- ☐ Other (specify):
- ☐ Other (specify):
- ☐ Other (specify):
- ☐ Other (specify):

Description of Interim Stabilization Practices:

- A nominal Same Day Stabilization quantity has been provided for use on an as needed basis based on the engineers discretion.

- Erosion Control Blanket: Applied to protect exposed soil surfaces against erosion due to rainfall or flowing water. Erosion control blankets are proposed at slopes 1:3 (V:H) or flatter.

- Heavy Duty Erosion Control Blanket: Applied to protect exposed soil surfaces against erosion due to rainfall or flowing water. Erosion control blankets are proposed at slopes greater than 1:3 (V:H) and in areas in need of long term protection.

- Silt Fence and Super Silt Fence: Applied to protect against depositing of sediment from sheet flow offsite. Super Silt fence is applied on Slopes greater than 1:3 (V:H).

- Dust Control Watering: Implemented using a spray application of water as necessary to control fugitive dust emissions. Repetitive treatment will be applied as needed to accomplish dust control when temporary dust control measures are used. A water truck will be present on site (or available) for sprinkling/irrigation to limit the amount of dust leaving the site. Watering will be applied daily (or more frequently) to be effective. If field observations indicate that additional protection (in addition to, or in place of watering) is necessary, alternative dust suppressant controls will be implemented at the discretion and approval of the Engineer.

Description of Final Stabilization Practices:

- Permanent Seeding: Once grading is completed Erosion control blanket and permanent seeding will be applied to all disturbed areas. Refer to the Landscape Plans for details. The location of the seed mixes are as follows: Salt Tolerant mix within 20' of the proposed pavement, Grass-Forb Mix 2 for areas with slopes steeper than 1:3 and not within 20' of the proposed pavement, and a Native grasses mix for areas flatter than 1:3 not within 20' of the proposed pavement.

The Engineer and Contractor shall maintain records of the dates when major grading activities occur, when construction activities have temporarily or permanently ceased on a portion of the site, and when stabilization measures area initiated.

b. Structural Practices.

Provided below is a description of structural practices that will be implemented, to the degree attainable, to divert flows from exposed soils, store flows, or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Included in the description is the site-specific scheduling of the implementation of the practices and the locations for their use.

The following structural practices will be used for this project:

☒ Silt Fence
☒ Super Silt Fence
☒ Temporary Ditch Checks

- ☐ Temporary Rock Check Dams
- ☒ Filter Fabric Inlet Protection, Basket Type
- ☐ Filter Fabric Inlet Protection, Cover Type
- ☒ Rectangular Inlet Protection
- ☒ Culvert Inlet Protection Fence
- ☒ Culvert Inlet Protection Stone
- ☒ Sediment Traps
- ☐ Sediment Basins
- ☒ Temporary Pipe Slope Drains
- ☐ Temporary Stream Crossings
- ☒ Stabilized Construction Entrances
- ☒ Temporary Riprap
- ☐ Temporary Swales
- ☐ Temporary Channel Diversion
- ☐ Diversion Dike
- ☐ Sediment Filter Bag
- ☐ Dewatering Basin
- ☒ Flotation Boom
- ☐ Other (specify):
- ☐ Other (specify):
- ☐ Other (specify):
- ☐ Other (specify):

Description of Structural Practices:

- A flotation boom will be installed to protect the Bensenville ditch during construction, specifically for the construction of the compensatory storage area.
- Every open lid proposed drainage structure will be protected by either a Rectangular Inlet Protection, if it is installed outside of the pavement, or a Filter Fabric Inlet Protection Basket Type, if it is installed in proposed pavement.
- Temporary Pipe Slope drains will be installed to limit erosion on the proposed embankment which will be the location of a future bridge from a future contract.
- The upstream end of each culvert will have Culvert Inlet Protection installed, Fence Type if it's protecting from sheet flow and areas less than 1 Acre or Stone Type if it is protecting areas with concentrated flow.
- All ditches will be protected with temporary ditch checks spaced at 1 foot elevation drops
- All proposed grading which would direct flow off site will be protected with silt fence and super silt fence, super silt fence is used in areas where the slopes are 3:1 or steeper.
- Stabilized construction entrances will be provided to create access to the site on both sides of Irving Park Rd.

c. Treatment Chemicals

Provided below is a description of the planned use of polymer flocculants or treatment chemicals at the site. The location, use, and application technique, along with an explanation of need for their use is provided.

- A nominal quantity of 4 Floc Logs have been provided per stage to be used at the engineer's discretion in the event that the turbidity of the water reaches unacceptable levels.

d. Permanent Storm Water Management Controls.

Provided below is a description of measures that will be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. The installation of these devices may be subject to Section 404 of the Clean Water Act.

Permanent storm water management controls to be installed as part of the project are as follows:

- Dry bottom detention ponds will be utilized on this project which includes 3 feet of Water Quality Volume. See DR 1 to DR-39 for more details.
- A stone revetment mat will be used for storm drainage outlet protection against erosion.
- The triple 10x6 box culvert and the 2x54" Pipe Culverts outlet into rip rap for velocity dissipation.

e. Pollution Prevention

The following pollution prevention measures will be implemented to minimize the exposure of products or materials to precipitation and stormwater and minimize the discharge of pollutants on the project site:

- Vehicle/Equipment Storage, Cleaning and Maintenance. Construction vehicles will be inspected frequently to identify any leaks, which will be repaired immediately, or the vehicle will be removed from site. If minor vehicle/equipment maintenance must occur on site, repairs and maintenance will be made within an approved staging or storage area, or other approved location, to prevent the migration of mechanical fluids to watercourses, wetlands or storm drains. Spill response equipment shall be readily available when performing any vehicle or equipment maintenance. When not in use, vehicles and equipment utilized for construction operations will be staged outside of the regulatory floodplain and away from any natural or created watercourses, ponds, drainage-ways or storm drains.

- Cleaning of vehicles and equipment is discouraged and will be performed only when necessary to perform repairs or maintenance. Cleaning of vehicles and equipment with soap, solvents or steam shall not occur on the project. Vehicle and equipment wash water shall be contained for percolation or evaporative drying away from storm drain inlets or watercourses.

- Prohibited Discharges. The following non-storm water discharges are prohibited: concrete and wastewater from washout of concrete (unless managed by an appropriate control), wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction materials, fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance, soaps, solvents, or detergents, toxic or hazardous substances from a spill or other release, or any other pollutant that could cause or tend to cause water pollution.

- Material Delivery and Storage. The following procedures and practices for the proper handling, delivery, and storage of products and construction materials will be followed to reduce the risk of spills or other accidental exposure of materials and substances to stormwater runoff:

    - Fuel, oils, hydraulic fluids, and other petroleum products shall be stored under cover or in a containment area.
    - Locate chemical and material storage areas away from low elevation areas, drainage areas, and stream banks, and outside the 100-year floodplain.
    - Provide readily available Safety Data Sheets for all materials used or stored on the project site.
    - Ensure access is available to storage areas to allow for spill clean-up and emergency response.
    - Maintain temporary containment facilities in a condition free of accumulated rainwater and spills.
    - Store materials in their original containers and maintain the original product labels in place and in a legible condition. Replace damaged or otherwise illegible labels immediately.
    - Keep ample supply of appropriate spill clean-up material near storage areas.
    - Minimize the material inventory stored on-site to the extent practical.
    - All materials stored on site will be stored in a neat, orderly manner in their appropriate containers.
    - Substances will not be mixed with others unless recommended by the manufacturer.
    - The Contractor will inspect storage areas daily to ensure proper use and disposal of materials on-site.
    - Whenever possible, all products will be used before disposing of the container.
    - Manufacturer's recommendations for proper use and disposal will be followed.
    - If surplus product must be disposed of, manufacturer's or local and state recommended methods for proper disposal will be followed.
    - Keep an accurate, up-to-date inventory of material delivered and stored on-site.
    - Have employees trained in emergency spill clean-up procedures present when dangerous materials or liquid chemicals are unloaded.

- Repair or replace perimeter controls, containment structures, covers, and liners as needed to maintain proper function.

- Spill Response. The following practices will be followed to minimize, control and respond to spilled material:
  - The Contractor shall prepare and implement a Spill Prevention and Control Plan.
  - Manufacturer's recommended methods for spill cleanup will be clearly posted, and site personnel will be made aware of the procedures and location of the information and cleanup supplies.
  - Materials and equipment necessary for spill cleanup will be kept in the material storage area(s) and shall be appropriate for the materials stored.
  - All spills will be cleaned up immediately after discovery.
  - The Contractor will dispose of used clean-up materials, contaminated materials, and recovered spill material that is no longer suitable for the intended purpose, in accordance with all applicable laws, rules, and regulations.
  - Spills of toxic or hazardous material will be reported to the appropriate state or local government agency, regardless of size.
  - In the event of any spills, the Spill Prevention and Control Plan will be adjusted to include additional measures to prevent the type of spill from recurring.
  - The Contractor shall be responsible for day-to-day operations and will designate a Spill Prevention and Cleanup Coordinator (Coordinator). The Coordinator will designate at least two (2) other site personnel who will receive spill prevention and cleanup training. These individuals will each become responsible for a particular phase of prevention and cleanup. The names of responsible spill personnel, listed below, will be posted in the material storage area and in the office trailer on-site.

Spill Prevention and Cleanup Coordinator:

Don Dhoore	Plote Construction
Printed Name	Contractor Name

Additional Trained Spill Prevention and Response Personnel:

Printed Name	Contractor Name
Printed Name	Contractor Name

Allowable Non-Stormwater Discharges	Likely to be Present on the Site	
	Yes	No
Uncontaminated groundwater or spring water	☐	☒
Foundation or footing drains where flows are not contaminated with process materials, such as solvents	☐	☒
Potable water sources including uncontaminated water main or fire hydrant flushing water	☐	☒
Discharges from dewatering of trenches and excavations if managed by appropriate controls	☐	☒

For each allowable non-stormwater discharge anticipated on the project, the measures which will be used to eliminate or reduce the non-stormwater component of the discharge are described below:

- Dust control watering will only be used at the discretion of the engineer and only the minimum amount needed to limit dust on site will be used.

6. Contractor Inventory of Hazardous Materials and Substances.

The materials or substances listed below are expected to be present on site during construction (use additional pages, as necessary). **To be filled in by Contractor.**

Curing Compound (concrete)	
asphalt emulsion	

7. Contractor Required Submittals.

The Contractor and any subcontractor responsible for compliance with the provisions of the SWPPP shall provide, as an attachment to their signed Contractor Certification Statement, a narrative description of how they will comply with the requirements of the SWPPP with regard to the following items:

- Stabilized Construction Entrances: Identify the location(s) of stabilized construction entrances to be used and provide a description of how they will be maintained. Indicate if any changes to the suggested locations (if any) shown on the plans are proposed.

- Material Delivery, Storage and Use: Discuss where and how materials, including chemicals, concrete curing compounds, petroleum products, etc. will be stored to prevent spills.
- Solid Waste Management and Disposal: Discuss the procedures to be used to contain, and the method of disposal, for construction waste and litter.
- Sanitary Waste: Discuss how sanitary wastes will be contained and disposed along with the locations of portable restroom facilities. A schedule of maintenance shall be provided.
- Spill Response and Control: Provide a Spill Prevention and Control Plan describing the steps that will be taken to respond to, control, and report chemical or petroleum spills which may occur. Procedures to address spills in excess of RCRA reportable quantities must be provided.
- Concrete Residuals and Washout Wastes: Discuss the location and type of concrete washout facilities to be used on this project and how they will be identified and maintained.
- Vehicle and Equipment Cleaning and Maintenance: Discuss where vehicle and equipment cleaning and maintenance will be performed and the BMPs that will be used for spill containment and spill prevention, containment, and treatment of wash waters.
- Dewatering: Provide a Dewatering Work Plan for excavation activities that encounter groundwater or other water that needs to be removed from the construction area. The plan must detail a system that will remove sediments and other pollutants (if present) from the water prior to discharge. The plan shall be submitted and approved prior to the commencement of dewatering activities.
- Polymer Use: If the use of polymers or other treatment chemicals are specified for use, a Polymer Treatment Work Plan shall be submitted for approval to the Engineer, covering the use of all polymer flocculants or treatment chemicals at the site. Dosage of treatment chemicals shall be identified, Safety Data Sheets shall be provided, procedures for storage and use of the treatment chemical must be described, and staff responsible for use/application must be identified. Documentation of training for the individuals who will be applying the polymers/treatment chemicals shall be provided. The polymer treatment system must be designed by a Certified Professional in Erosion and Sediment Control (CPESC).

In addition to the above, the Contractor is required to provide the following submittals to demonstrate compliance with the Illinois Tollway Supplemental Specifications and any federal or state environmental permits:

- Dust Control Plan pursuant to Article 107.36 of the Illinois Tollway Supplemental Specifications. The plan shall be submitted and approved prior to commencement of earth disturbing work activities.
- Erosion and Sediment Control Schedule pursuant to Article 280.02 of the Illinois Tollway Supplemental Specifications. The schedule shall be submitted and approved prior to commencement of earth disturbing work activities.

- Proposed Borrow, Use, and Waste Area approval pursuant to Article 107.22 of the Illinois Tollway Supplemental Specifications. The Contractor shall provide a written request to the Engineer using an A-50 Form for any proposed alternative use of the Illinois Tollway ROW. The A-50 Form shall be approved prior to any such use by the Contractor and approval of such requests shall not be assumed.
- In-Stream Work Plan which meets the requirements of the USACE pursuant to conditions of the Section 404 permit issued by the USACE. The plan shall be submitted and approved prior to the commencement of work subject to the Section 404 permit.

The above submittals shall be incorporated by reference and become part of the SWPPP

ILLINOIS TOLLWAY CERTIFICATION STATEMENT

This certification statement is a part of the Storm Water Pollution Prevention Plan for the project described below, in accordance with NPDES Permit No. ILR10, issued by the Illinois Environmental Protection Agency.

Project Information:

Route ELGIN O'HARE WESTERN ACCESS Marked IL-390

Section MP 2.1 to MP 3.3 Project No. I-17-4673

County COOK, DuPAGE

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Prepared By: Knight Engineers & Architects
DESIGN SECTION ENGINEER

By: Thomas Thornton, P.E.
Name/Title

Dated: 1-21-2020

OWNER: ILLINOIS STATE TOLL HIGHWAY AUTHORITY

Signed: Amber Wyss - ENV. PLANNER
Name/Title

CONTRACTOR CERTIFICATION STATEMENT

This certification statement is a part of the Storm Water Pollution Prevention Plan for the project described below, in accordance with NPDES Permit No. ILR10, issued by the Illinois Environmental Protection Agency.

Project Information:

Route ELGIN O'HARE WESTERN ACCESS Marked IL-390

Section MP 2.1 to MP 3.3 Project No. I-17-4673

County DuPAGE

I certify under penalty of law that I understand the terms of the general National Pollutant Discharge Elimination System (NPDES) permit No. ILR10 that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification: That I agree to comply therewith; and that I will ensure that all Subcontractors working on the subject project understand and comply with said permit.

Andrew Stelter 1/10/20

Signature Date

Project Engineer

Title

Plote Construction Inc.

Name of Firm

1100 Brandt Dr

Street Address

Hoffman Estates IL 60192

City State Zip Code

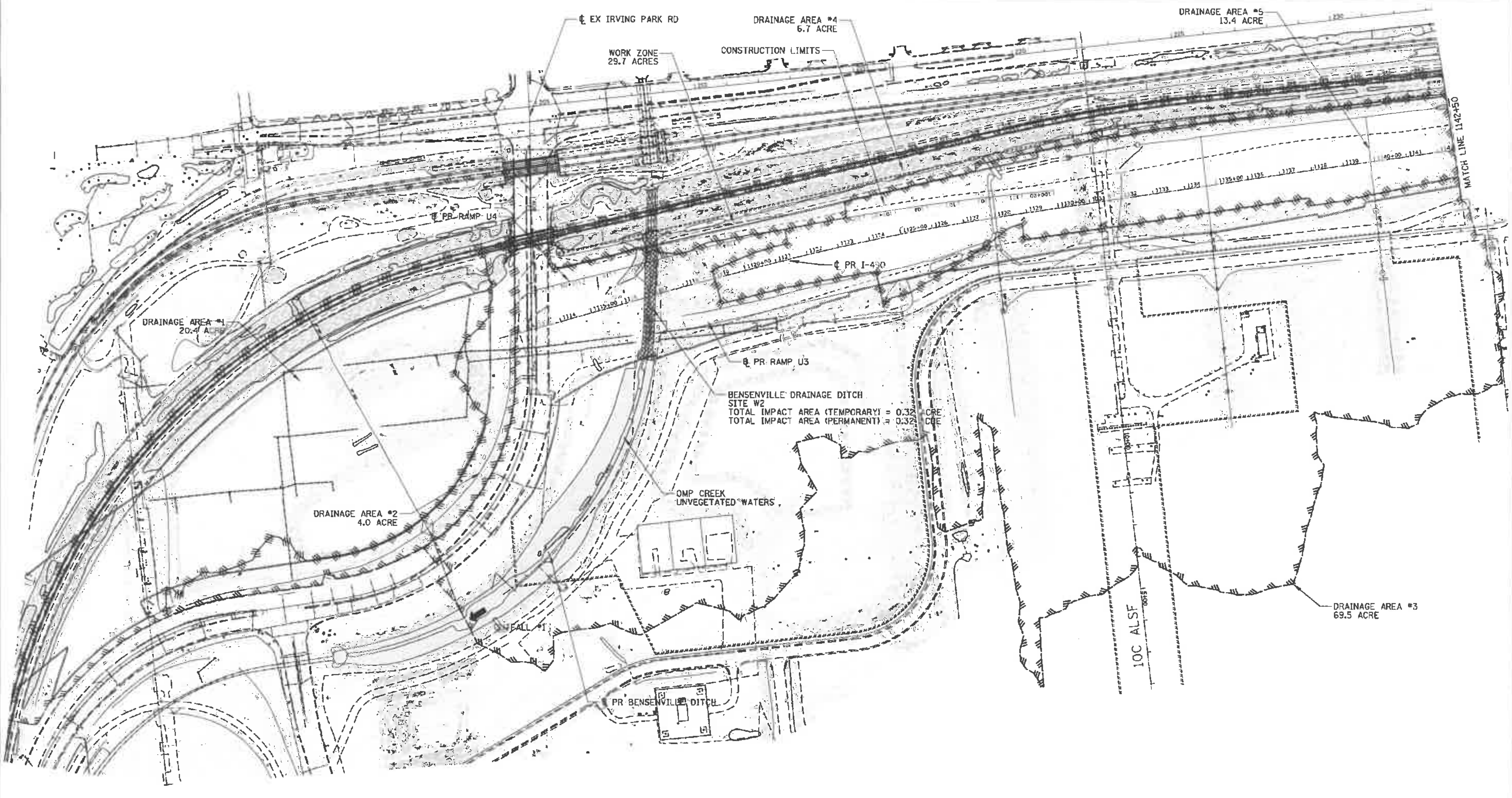
847-560-1019

Telephone Number

ATTACHMENT _____

Note: CONTRACTOR TO COMPLETE

Prepare additional signature pages as needed if the responsibilities of the storm water pollution prevention plan are split between contractors. - specify which item(s) these sub-contractors assume responsibility for.



EROSION CONTROL OVERVIEW LEGEND

WOUS (WATERS OF THE UNITED STATES)	EXISTING DITCH
IMPACTED WOUS	EXISTING SWALE
	EXISTING DITCH SUMMIT
	DRAINAGE DIVIDE
	OUTLET

SCALE IN FEET 0 150 300

DRAWN BY TPD	DATE 08/15/19	CHECKED BY TMT	DATE 08/15/19

KNIGHT Engineers & Architects
221 North LaSalle Street Suite 300 Chicago IL 60601 Phone: (312) 577-3300

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS

NO.	DATE	DESCRIPTION

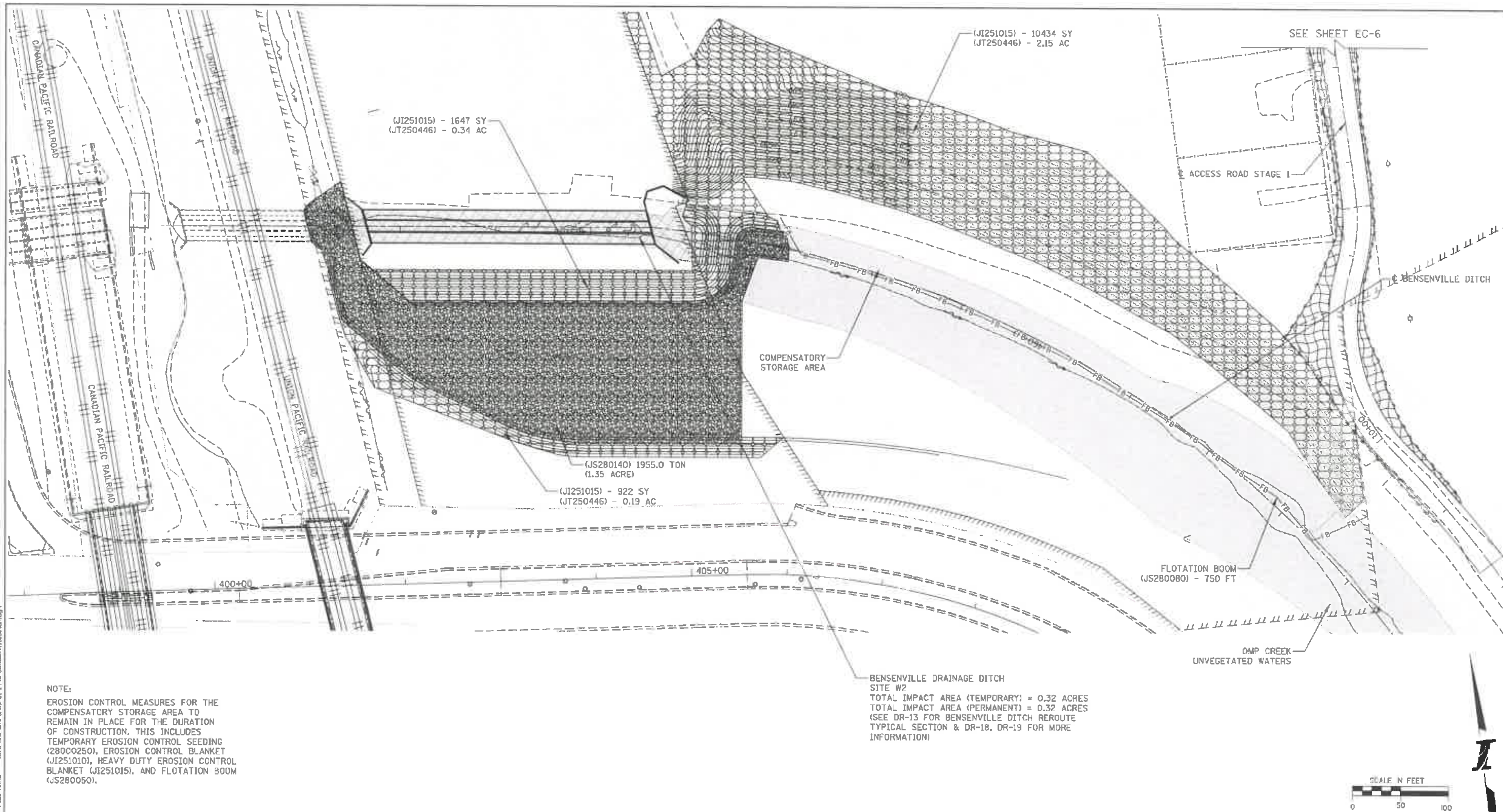
CONTRACT NO. I-17-4673

EROSION CONTROL OVERVIEW

SHEET NO. EC-3

DRAWING NO. 190 OF 650

USER NAME = ZEnart PLOT DATE = 7/25/2019 PLOT SCALE = 1.000 FILE NAME = 4673-KNI-ehr-erosionoverview-03.dgn



NOTE:
EROSION CONTROL MEASURES FOR THE COMPENSATORY STORAGE AREA TO REMAIN IN PLACE FOR THE DURATION OF CONSTRUCTION. THIS INCLUDES TEMPORARY EROSION CONTROL SEEDING (28000250), EROSION CONTROL BLANKET (JI251010), HEAVY DUTY EROSION CONTROL BLANKET (JI251015), AND FLOTATION BOOM (JS280050).

EROSION CONTROL LEGEND

(Symbol columns: INSTALLED THIS STAGE / PREVIOUSLY INSTALLED)

- SILT FENCE (JS280050)
- SSF — SUPER SILT FENCE (JS280100)
- STABILIZED CONSTRUCTION ENTRANCE (JS280070)
- EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
- HEAVY DUTY EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251015) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
- TEMPORARY RIPRAP (JS280140)
- STONE OUTLET STRUCTURE SEDIMENT TRAP PAID AS TEMPORARY RIPRAP (JS280140) & EROSION AND SEDIMENT CONTROL-EXCAVATION (JS280030)
- CULVERT INLET PROTECTION FENCE PAID AS SUPER SILT FENCE (JS280100)
- CULVERT INLET PROTECTION PAID AS TEMPORARY RIPRAP (JS280140)
- RECTANGULAR INLET PROTECTION (JS280180)
- FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210)
- TEMPORARY ROCK CHECK DAM PAID AS TEMPORARY RIPRAP(JS280140)
- — FB — FLOTATION BOOM (JS280080)
- TEMPORARY PIPE SLOPE DRAIN (JS280110)
- TEMPORARY DITCH CHECK (JS280305)

PROPOSED / EXISTING

- DRAINAGE PATH
- STORM SEWER
- WOUS (WATERS OF THE UNITED STATES)
- IMPACTED WOUS

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CHECKED BY	TMT	DATE	08/15/19

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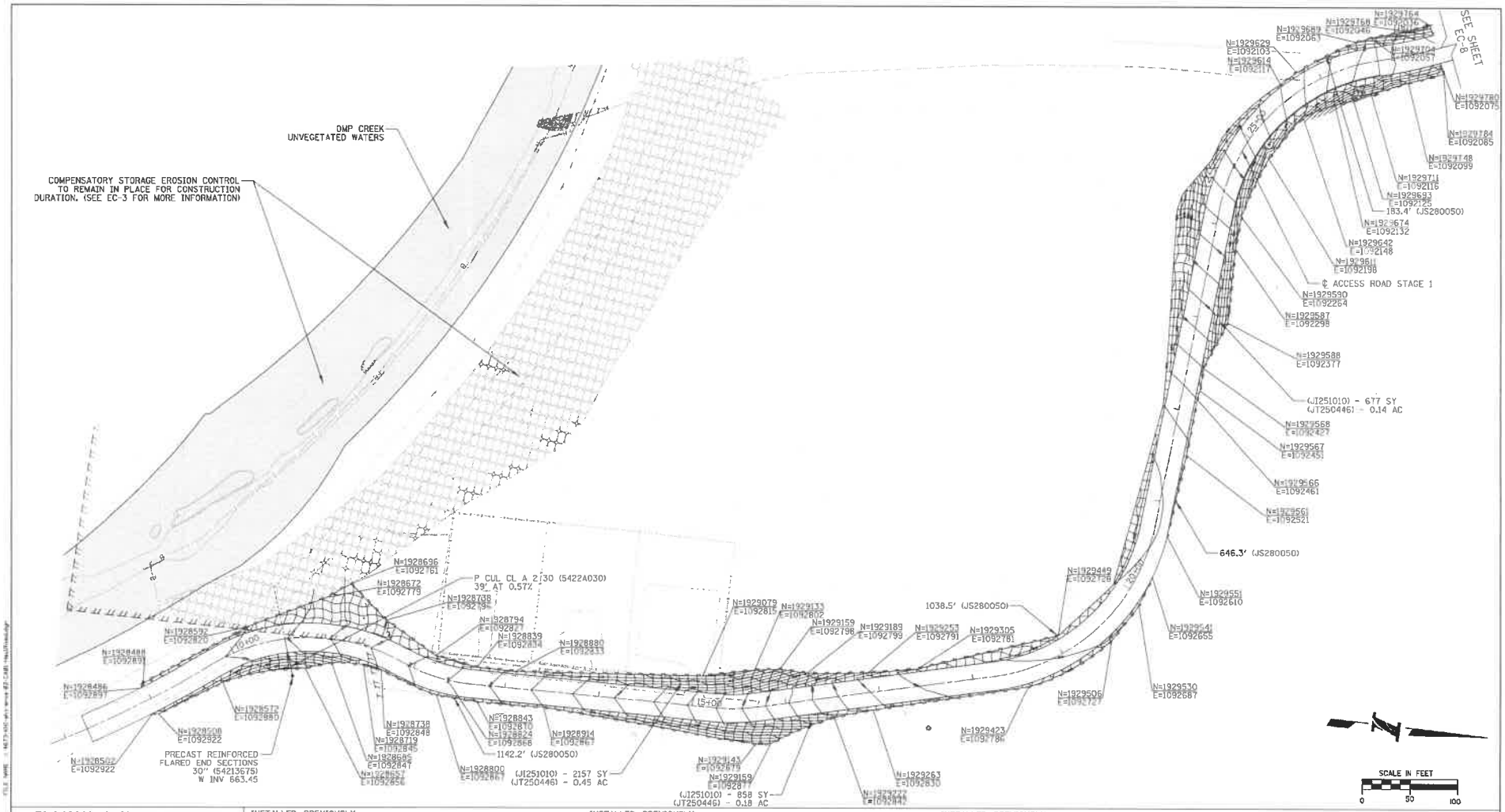
NO.	DATE	DESCRIPTION

CONTRACT NO. I-17-4673

EROSION CONTROL DETAILS
BENSENVILLE DITCH REROUTE

SHEET NO. EC-5
DRAWING NO. 192 OF 650



EROSION CONTROL LEGEND

INSTALLED PREVIOUSLY THIS STAGE	INSTALLED PREVIOUSLY INSTALLED	
SILT FENCE (JS280050)		
SSF SUPER SILT FENCE (JS280100)		
STABILIZED CONSTRUCTION ENTRANCE (JS280070)		
		EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
		HEAVY DUTY EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251015) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
		TEMPORARY RIPRAP (JS280140)

INSTALLED PREVIOUSLY THIS STAGE	INSTALLED PREVIOUSLY INSTALLED	
		STONE OUTLET STRUCTURE SEDIMENT TRAP PAID AS TEMPORARY RIPRAP (JS280140) & EROSION AND SEDIMENT CONTROL-EXCAVATION (JS280030)
		CULVERT INLET PROTECTION FENCE PAID AS SUPER SILT FENCE (JS280100)
		CULVERT INLET PROTECTION PAID AS TEMPORARY RIPRAP (JS280140)

INSTALLED PREVIOUSLY THIS STAGE	INSTALLED PREVIOUSLY INSTALLED	
		RECTANGULAR INLET PROTECTION (JS280180)
		FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210)
		TEMPORARY ROCK CHECK DAM PAID AS TEMPORARY RIPRAP(JS280140)
F8		FLOTATION BOOM (JS280080)
		TEMPORARY PIPE SLOPE DRAIN (JS280110)

INSTALLED PREVIOUSLY THIS STAGE	INSTALLED PREVIOUSLY INSTALLED	
		TEMPORARY DITCH CHECK (JS280305)
PROPOSED	EXISTING	
		DRAINAGE PATH
		STORM SEWER
		WOUS (WATERS OF THE UNITED STATES)
		IMPACTED WOUS

DRAWN BY TPD DATE 08/15/19
CHECKED BY TMT DATE 08/15/19

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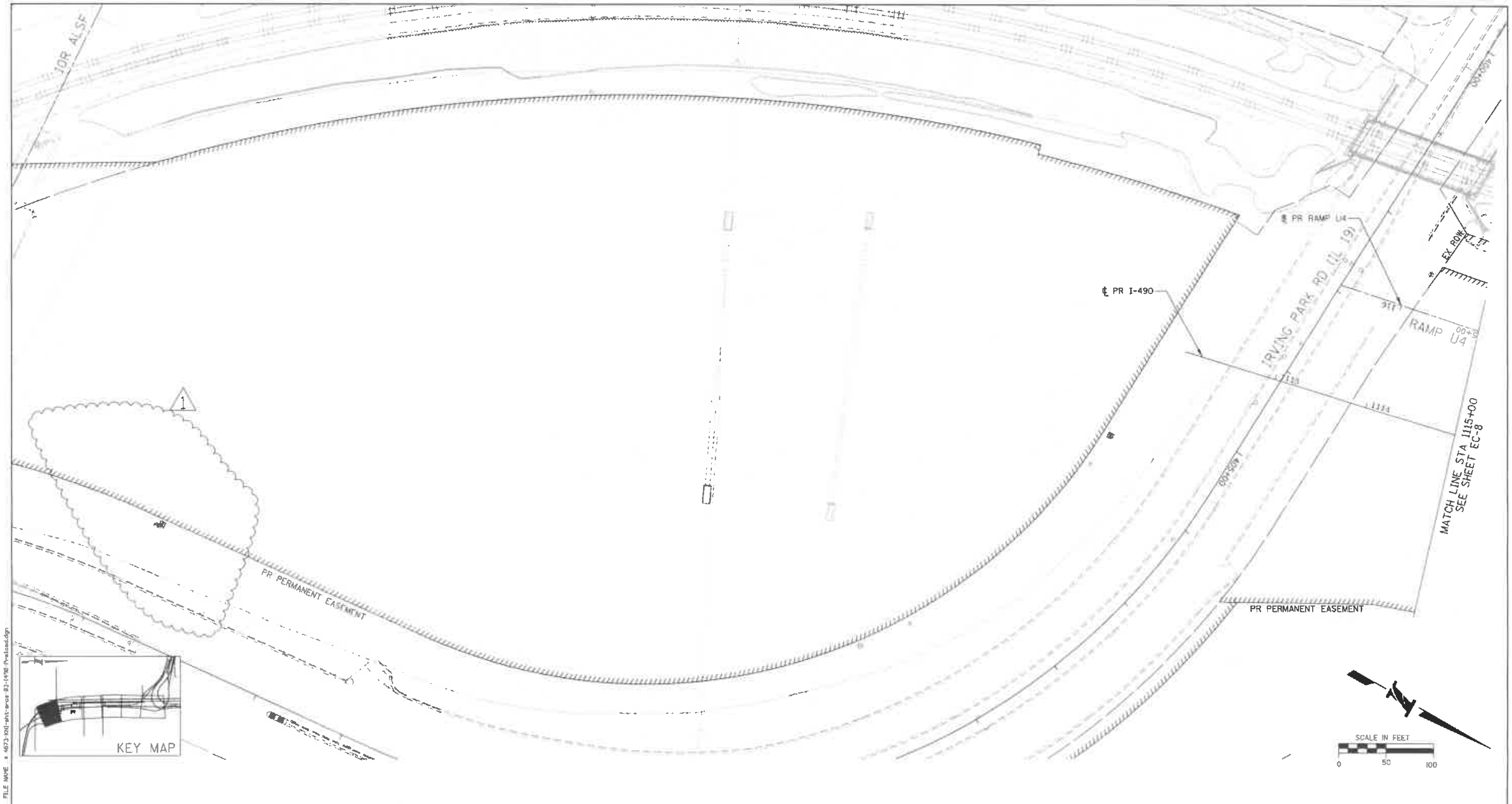
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT NO. I-17-4673

EROSION CONTROL PLAN
STAGE 1

SHEET NO. EC-6
DRAWING NO. 193 OF 650



EROSION CONTROL LEGEND

INSTALLED THIS STAGE	PREVIOUSLY INSTALLED	
		SILT FENCE (JS280050)
—SSF—		SUPER SILT FENCE (JS280100)
		STABILIZED CONSTRUCTION ENTRANCE (JS280070)
		EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
		HEAVY DUTY EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251015) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
		TEMPORARY RIPRAP (JS280140)
		STONE OUTLET STRUCTURE SEDIMENT TRAP PAID AS TEMPORARY RIPRAP (JS280140) & EROSION AND SEDIMENT CONTROL-EXCAVATION (JS280030)
		CULVERT INLET PROTECTION FENCE PAID AS SUPER SILT FENCE (JS280100)
CIP		CULVERT INLET PROTECTION PAID AS TEMPORARY RIPRAP (JS280140)
		RECTANGULAR INLET PROTECTION (JS280180)
		FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210)
		TEMPORARY ROCK CHECK DAM PAID AS TEMPORARY RIPRAP(JS280140)
—FB—		FLOTATION BOOM (JS280080)
		TEMPORARY PIPE SLOPE DRAIN (JS280110)
		TEMPORARY DITCH CHECK (JS280305)

PROPOSED	EXISTING	
		DRAINAGE PATH
		STORM SEWER
		WOUS (WATERS OF THE UNITED STATES)
		IMPACTED WOUS

DRAWN BY TPD DATE 08/15/19
CHECKED BY TMT DATE 08/15/19

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NO.	DATE	DESCRIPTION
1	8-29-19	ADDENDUM NO. 1

CONTRACT NO. I-17-4673
EROSION CONTROL PLAN
STAGE 1

SHEET NO. EC-7
DRAWING NO. 194 OF 650

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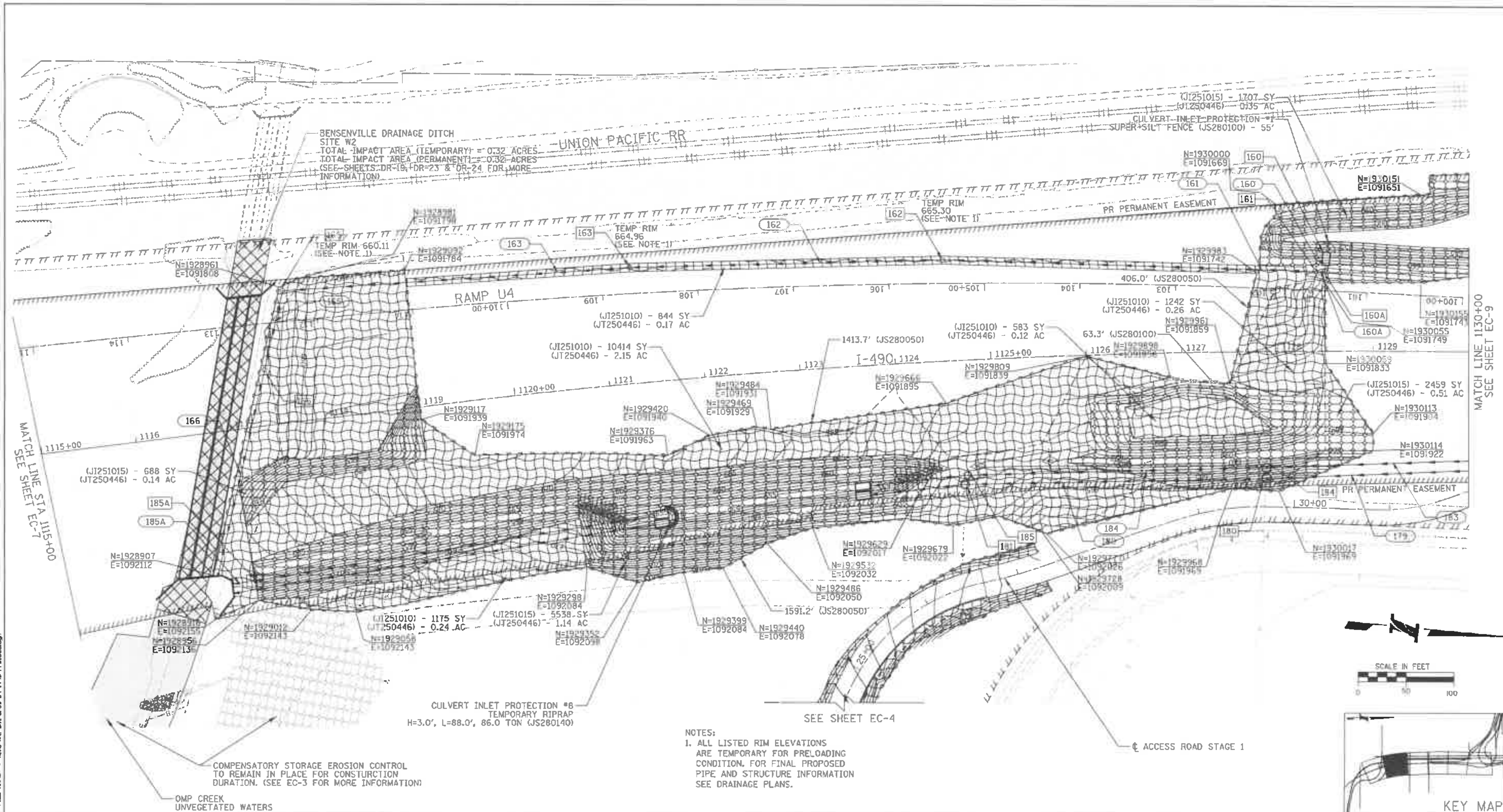
PLOT DATE = 8/27/2019


BENSENVILLE DRAINAGE DITCH
SITE W2
TOTAL IMPACT AREA (TEMPORARY) = 0.32 ACRES
TOTAL IMPACT AREA (PERMANENT) = 0.32 ACRES
(SEE SHEETS DR-19, DR-23 & DR-24 FOR MORE INFORMATION)
UNION PACIFIC RR
(JI251015) - 1707 SY
(JT250446) - 0.35 AC
CULVERT INLET PROTECTION
SUPER SILT FENCE (JS280100) - 55'
PR PERMANENT EASEMENT
TEMP RIM 660.11 (SEE NOTE 1)
TEMP RIM 664.96 (SEE NOTE 1)
TEMP RIM 665.30 (SEE NOTE 1)
RAMP U4
I-490
406.0' (JS280050)
1413.7' (JS280050)
63.3' (JS280100)
1591.2' (JS280050)
(JI251010) - 844 SY
(JT250446) - 0.17 AC
(JI251010) - 10414 SY
(JT250446) - 2.15 AC
(JI251010) - 583 SY
(JT250446) - 0.12 AC
(JI251010) - 1242 SY
(JT250446) - 0.26 AC
(JI251015) - 2459 SY
(JT250446) - 0.51 AC
(JI251015) - 688 SY
(JT250446) - 0.14 AC
(JI251010) - 1175 SY
(JT250446) - 0.24 AC
(JI251015) - 5538 SY
(JT250446) - 1.14 AC
MATCH LINE STA 1115+00
SEE SHEET EC-7
MATCH LINE 1130+00
SEE SHEET EC-9
CULVERT INLET PROTECTION #8
TEMPORARY RIPRAP
H=3.0', L=88.0', 86.0 TON (JS280140)
COMPENSATORY STORAGE EROSION CONTROL
TO REMAIN IN PLACE FOR CONSTURCTION
DURATION. (SEE EC-3 FOR MORE INFORMATION)
OMP CREEK
UNVEGETATED WATERS
SEE SHEET EC-4
℄ ACCESS ROAD STAGE 1
SCALE IN FEET
0
50
100
KEY MAP

NOTES:
1. ALL LISTED RIM ELEVATIONS ARE TEMPORARY FOR PRELOADING CONDITION. FOR FINAL PROPOSED PIPE AND STRUCTURE INFORMATION SEE DRAINAGE PLANS.

EROSION CONTROL LEGEND

INSTALLED THIS STAGE / PREVIOUSLY INSTALLED	
(symbol)	SILT FENCE (JS280050)
—SSF—	SUPER SILT FENCE (JS280100)
(symbol)	STABILIZED CONSTRUCTION ENTRANCE (JS280070)
(symbol)	EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
(symbol)	HEAVY DUTY EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251015) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
(symbol)	TEMPORARY RIPRAP (JS280140)
(symbol)	STONE OUTLET STRUCTURE SEDIMENT TRAP PAID AS TEMPORARY RIPRAP (JS280140) & EROSION AND SEDIMENT CONTROL-EXCAVATION (JS280030)
(symbol)	CULVERT INLET PROTECTION FENCE PAID AS SUPER SILT FENCE (JS280100)
(symbol)	CULVERT INLET PROTECTION PAID AS TEMPORARY RIPRAP (JS280140)
(symbol)	RECTANGULAR INLET PROTECTION (JS280180)
(symbol)	FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210)
(symbol)	TEMPORARY ROCK CHECK DAM PAID AS TEMPORARY RIPRAP(JS280140)
—FB—	FLOTATION BOOM (JS280080)
(symbol)	TEMPORARY PIPE SLOPE DRAIN (JS280110)
(symbol)	TEMPORARY DITCH CHECK (JS280305)
PROPOSED / EXISTING	DRAINAGE PATH
	STORM SEWER
(symbol)	WOUS (WATERS OF THE UNITED STATES)
(symbol)	IMPACTED WOUS

DRAWN BY TPD	DATE 08/15/19	CONTRACT NO. I-17-4673	SHEET NO. EC-8
CHECKED BY TMT	DATE 08/15/19	EROSION CONTROL PLAN STAGE 1	DRAWING NO. 195 OF 650

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Phone: (312) 577-3300

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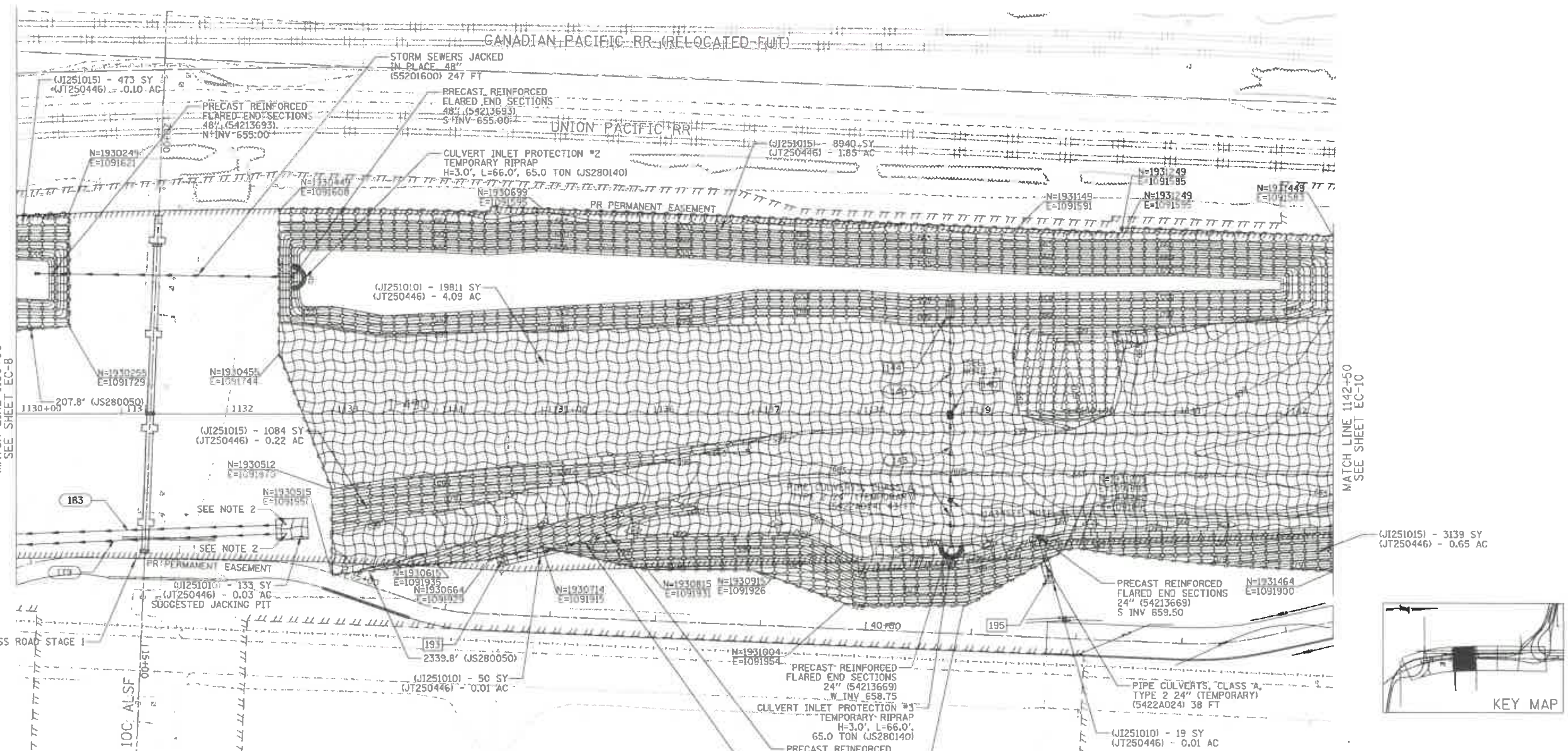
DOWNERS GROVE, ILLINOIS 60515

REVISIONS: NO. | DATE | DESCRIPTION


CANADIAN PACIFIC RR (RELOCATED FUT)
UNION PACIFIC RR
STORM SEWERS JACKED IN PLACE 48" (55201600) 247 FT
(JI251015) - 473 SY
(JT250446) - 0.10 AC
PRECAST REINFORCED FLARED END SECTIONS 48" (54213693) N INV 655.00
PRECAST REINFORCED FLARED END SECTIONS 48" (54213693) S INV 655.00
CULVERT INLET PROTECTION #2 TEMPORARY RIPRAP H=3.0', L=66.0', 65.0 TON (JS280140)
(JI251015) - 8940 SY
(JT250446) - 1.85 AC
PR PERMANENT EASEMENT
(JI251010) - 19811 SY
(JT250446) - 4.09 AC
MATCH LINE 1130+00 SEE SHEET EC-8
MATCH LINE 1142+50 SEE SHEET EC-10
207.8' (JS280050)
(JI251015) - 1084 SY
(JT250446) - 0.22 AC
SEE NOTE 2
183
PR PERMANENT EASEMENT
(JI251010) - 133 SY
(JT250446) - 0.03 AC
SUGGESTED JACKING PIT
℄ ACCESS ROAD STAGE 1
IOC ALSF
2339.8' (JS280050)
(JI251010) - 50 SY
(JT250446) - 0.01 AC
PRECAST REINFORCED FLARED END SECTIONS 24" (54213669) W INV 658.75
CULVERT INLET PROTECTION #3 TEMPORARY RIPRAP H=3.0', L=66.0', 65.0 TON (JS280140)
PRECAST REINFORCED FLARED END SECTIONS 24" (54213669) S INV 660.00
PIPE CULVERTS, CLASS A, TYPE 2 24" (TEMPORARY) (5422A024) 107 FT
PRECAST REINFORCED FLARED END SECTIONS 24" (54213669) S INV 659.50
PIPE CULVERTS, CLASS A, TYPE 2 24" (TEMPORARY) (5422A024) 38 FT
(JI251010) - 19 SY
(JT250446) - 0.01 AC
(JI251015) - 3139 SY
(JT250446) - 0.65 AC
195
KEY MAP
SCALE IN FEET
0 50 100

NOTE:

1. ALL LISTED RIM ELEVATIONS ARE TEMPORARY FOR PRELOADING CONDITION. FOR FINAL PROPOSED PIPE AND STRUCTURE INFORMATION SEE DRAINAGE PLANS.
2. CONTRACTOR SHALL MAKE A WATER TIGHT PLUG AT THE END OF THE SEWER WHICH WILL ALLOW IT TO BE REMOVED IN ORDER TO MAKE A FUTURE CONNECTION WITHOUT EXCAVATION OF THE NEWLY PLACED PAVEMENT OR GUTTER. CONTRACTOR SHALL SUBMIT HIS PLUG DESIGN TO THE ENGINEER FOR APPROVAL, PRIOR TO INSTALLATION. SEE SHEET DR-23 FOR MORE DETAIL.
3. STRUCTURES TO BE INSTALLED AT FINAL PROPOSED RIM ELEVATION. A TEMPORARY STEEL PLATE BOLTED TO THE FLAT SLAB TOP OR CONE SECTION AND THEN STRUCTURE WILL BE BURIED.

EROSION CONTROL LEGEND

(Columns: INSTALLED THIS STAGE / PREVIOUSLY INSTALLED)

- SILT FENCE (JS280050)
- SUPER SILT FENCE (JS280100)
- STABILIZED CONSTRUCTION ENTRANCE (JS280070)
- EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
- HEAVY DUTY EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251015) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
- TEMPORARY RIPRAP (JS280140)
- STONE OUTLET STRUCTURE SEDIMENT TRAP PAID AS TEMPORARY RIPRAP (JS280140) & EROSION AND SEDIMENT CONTROL-EXCAVATION (JS280030)
- CULVERT INLET PROTECTION FENCE PAID AS SUPER SILT FENCE (JS280100)
- CULVERT INLET PROTECTION PAID AS TEMPORARY RIPRAP (JS280140)
- RECTANGULAR INLET PROTECTION (JS280180)
- FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210)
- TEMPORARY ROCK CHECK DAM PAID AS TEMPORARY RIPRAP (JS280140)
- FLOTATION BOOM (JS280080)
- TEMPORARY PIPE SLOPE DRAIN (JS280110)
- TEMPORARY DITCH CHECK (JS280305)
- PROPOSED / EXISTING
- DRAINAGE PATH
- STORM SEWER
- WOUS (WATERS OF THE UNITED STATES)
- IMPACTED WOUS

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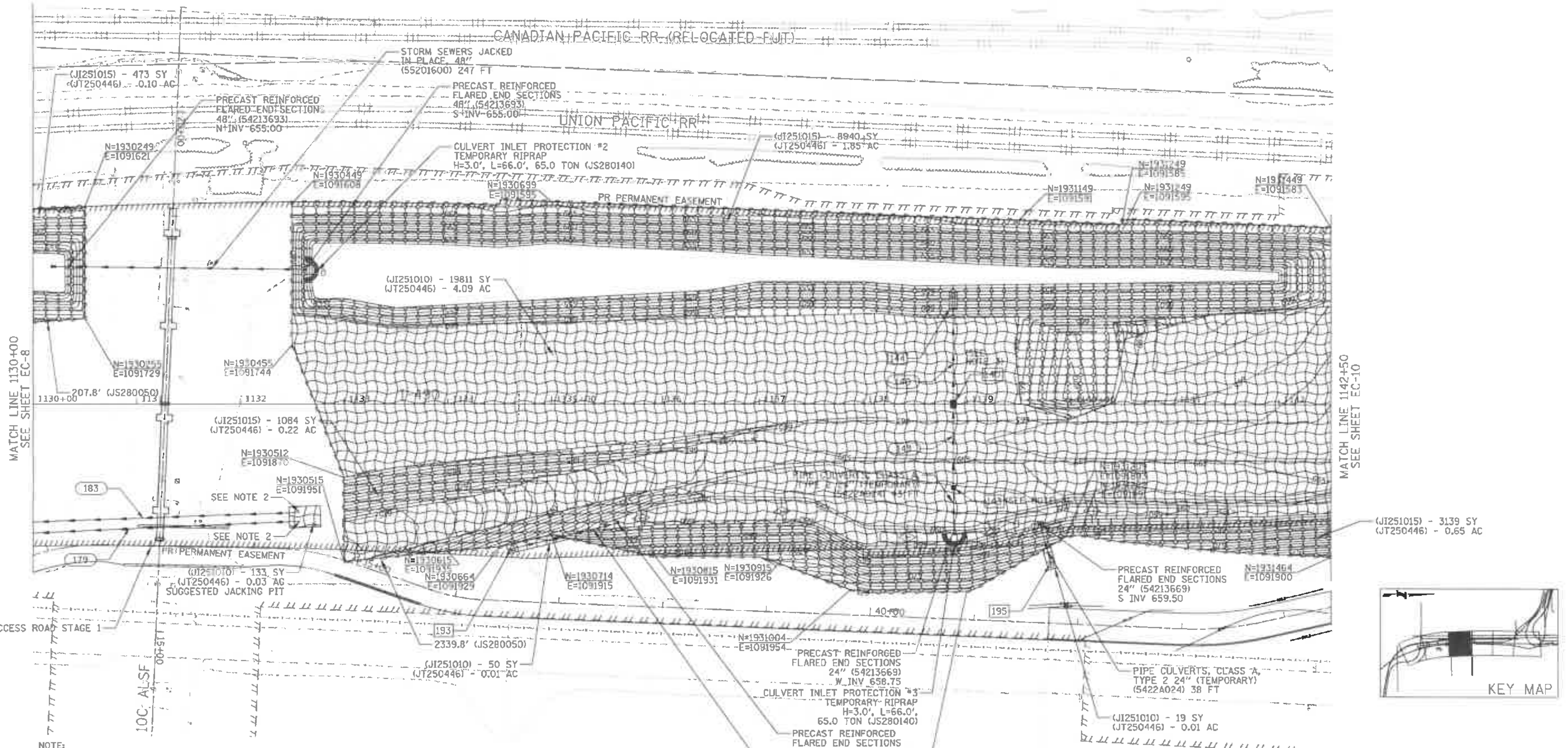
NO.	DATE	DESCRIPTION

CONTRACT NO. I-17-4673

EROSION CONTROL PLAN STAGE 1

SHEET NO. EC-9

DRAWING NO. 196 OF 650


CANADIAN PACIFIC RR (RELOCATED FUT)
UNION PACIFIC RR
STORM SEWERS JACKED IN PLACE, 48" (55201600) 247 FT
(JI251015) - 473 SY
(JT250446) - 0.10 AC
PRECAST REINFORCED FLARED END SECTION 48" (54213693) N INV 655.00
PRECAST REINFORCED FLARED END SECTIONS 48" (54213693) S INV 655.00
CULVERT INLET PROTECTION #2 TEMPORARY RIPRAP H=3.0', L=66.0', 65.0 TON (JS280140)
(JI251015) - 8940 SY
(JT250446) - 1.85 AC
PR PERMANENT EASEMENT
(JI251010) - 19811 SY
(JT250446) - 4.09 AC
(JI251015) - 1084 SY
(JT250446) - 0.22 AC
MATCH LINE 1130+00
SEE SHEET EC-8
MATCH LINE 1142+50
SEE SHEET EC-10
207.8' (JS280050)
SEE NOTE 2
PR PERMANENT EASEMENT
(JI251010) - 133 SY
(JT250446) - 0.03 AC
SUGGESTED JACKING PIT
℄ ACCESS ROAD STAGE 1
2339.8' (JS280050)
(JI251010) - 50 SY
(JT250446) - 0.01 AC
PRECAST REINFORCED FLARED END SECTIONS 24" (54213669) W INV 658.75
CULVERT INLET PROTECTION #3 TEMPORARY RIPRAP H=3.0', L=66.0', 65.0 TON (JS280140)
PRECAST REINFORCED FLARED END SECTIONS 24" (54213669) S INV 660.00
PIPE CULVERTS, CLASS A, TYPE 2 24" (TEMPORARY) (5422A024) 107 FT
PRECAST REINFORCED FLARED END SECTIONS 24" (54213669) S INV 659.50
PIPE CULVERTS, CLASS A, TYPE 2 24" (TEMPORARY) (5422A024) 38 FT
(JI251010) - 19 SY
(JT250446) - 0.01 AC
(JI251015) - 3139 SY
(JT250446) - 0.65 AC
KEY MAP
SCALE IN FEET
0 50 100

NOTE:
1. ALL LISTED RIM ELEVATIONS ARE TEMPORARY FOR PRELOADING CONDITION. FOR FINAL PROPOSED PIPE AND STRUCTURE INFORMATION SEE DRAINAGE PLANS.
2. CONTRACTOR SHALL MAKE A WATER TIGHT PLUG AT THE END OF THE SEWER WHICH WILL ALLOW IT TO BE REMOVED IN ORDER TO MAKE A FUTURE CONNECTION WITHOUT EXCAVATION OF THE NEWLY PLACED PAVEMENT OR GUTTER. CONTRACTOR SHALL SUBMIT HIS PLUG DESIGN TO THE ENGINEER FOR APPROVAL, PRIOR TO INSTALLATION.& SEE SHEET DR-23 FOR MORE DETAIL.
3. STRUCTURES TO BE INSTALLED AT FINAL PROPOSED RIM ELEVATION. A TEMPORARY STEEL PLATE BOLTED TO THE FLAT SLAB TOP OR CONE SECTION AND THEN STRUCTURE WILL BE BURIED.

EROSION CONTROL LEGEND

(INSTALLED THIS STAGE / PREVIOUSLY INSTALLED)

- SILT FENCE (JS280050)
- SUPER SILT FENCE (JS280100)
- STABILIZED CONSTRUCTION ENTHANCE (JS280070)
- EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
- HEAVY DUTY EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251015) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
- TEMPORARY RIPRAP (JS280140)
- STONE OUTLET STRUCTURE SEDIMENT TRAP PAID AS TEMPORARY RIPRAP (JS280140) & EROSION AND SEDIMENT CONTROL-EXCAVATION (JS280030)
- CULVERT INLET PROTECTION FENCE PAID AS SUPER SILT FENCE (JS280100)
- CULVERT INLET PROTECTION PAID AS TEMPORARY RIPRAP (JS280140)
- RECTANGULAR INLET PROTECTION (JS280180)
- FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210)
- TEMPORARY ROCK CHECK DAM PAID AS TEMPORARY RIPRAP(JS280140)
- FLOTATION BOOM (JS280080)
- TEMPORARY PIPE SLOPE DRAIN (JS280110)
- TEMPORARY DITCH CHECK (JS280305)

(PROPOSED / EXISTING)

- DRAINAGE PATH
- STORM SEWER
- WOUS (WATERS OF THE UNITED STATES)
- IMPACTED WOUS

DRAWN BY TPD	DATE 08/15/19	KNIGHT Engineers & Architects, 221 North LaSalle Street, Suite 300, Chicago IL 60601, Phone: (312) 577-3300	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY, 2700 OGDEN AVENUE, DOWNERS GROVE, ILLINOIS 60515
CHECKED BY TMT	DATE 08/15/19		

REVISIONS

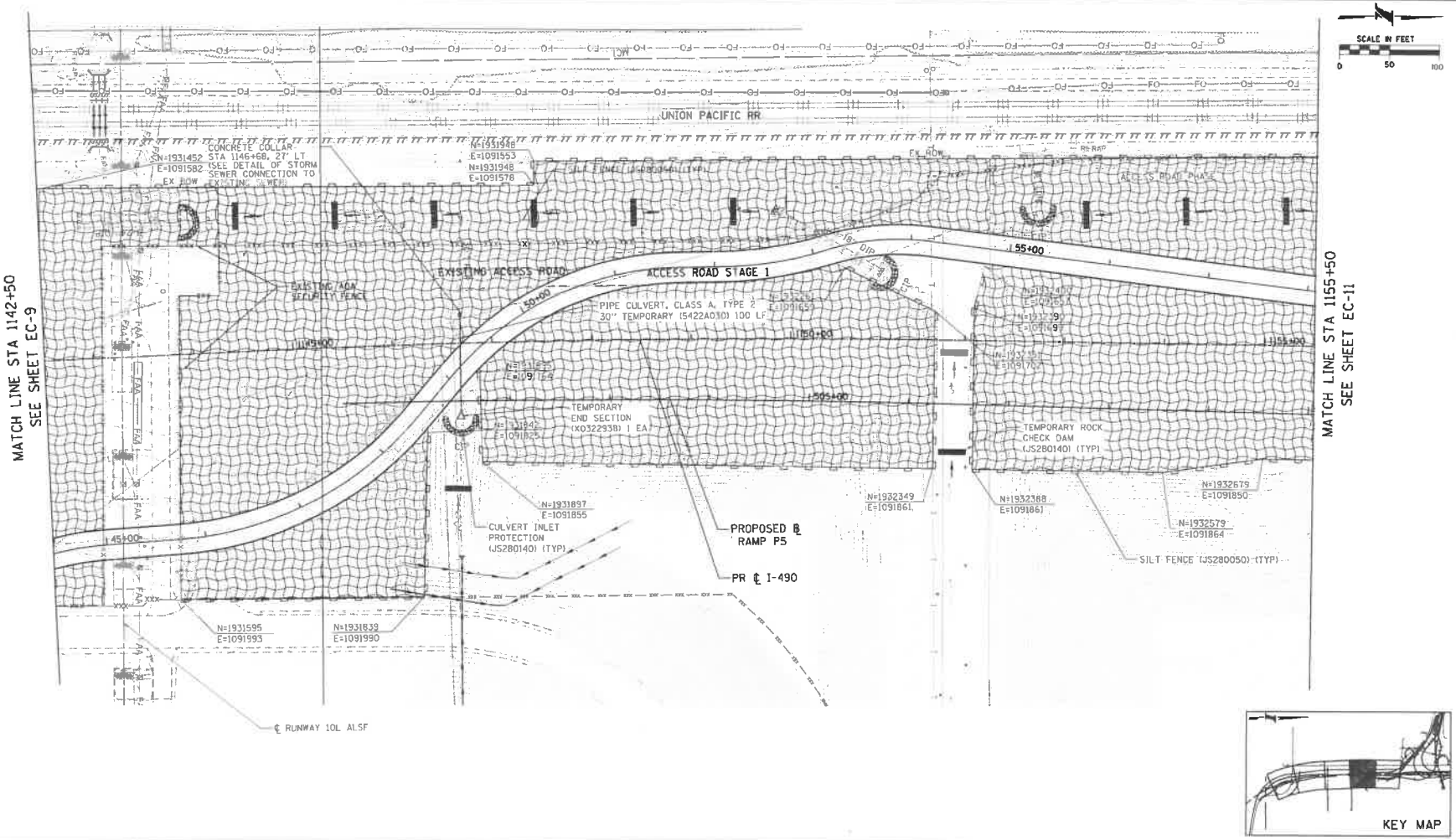
NO.	DATE	DESCRIPTION

CONTRACT NO. I-17-4673

EROSION CONTROL PLAN
STAGE 1

SHEET NO. EC-9

DRAWING NO. 196 OF 650



EROSION CONTROL LEGEND

INSTALLED PREVIOUSLY THIS STAGE	INSTALLED PREVIOUSLY	
SILT FENCE (JS280050)		
SSF SUPER SILT FENCE (JS280100)		
STABILIZED CONSTRUCTION ENTRANCE (JS280070)		
		EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
		HEAVY DUTY EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251015) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
		TEMPORARY RIPRAP (JS280140)
		STONE OUTLET STRUCTURE SEDIMENT TRAP PAID AS TEMPORARY RIPRAP (JS280140) & EROSION AND SEDIMENT CONTROL-EXCAVATION (JS280030)
		CULVERT INLET PROTECTION FENCE PAID AS SUPER SILT FENCE (JS280100)
		CULVERT INLET PROTECTION PAID AS TEMPORARY RIPRAP (JS280140)
		RECTANGULAR INLET PROTECTION (JS280180)
		FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210)
		TEMPORARY ROCK CHECK DAM PAID AS TEMPORARY RIPRAP (JS280140)
		FLOTATION BOOM (JS280080)
		TEMPORARY PIPE SLOPE DRAIN (JS280110)
		TEMPORARY DITCH CHECK (JS280305)
		DRAINAGE PATH
		STORM SEWER
		WOUS (WATERS OF THE UNITED STATES)
		IMPACTED WOUS

PLOT SCALE = 100.0000 ' / in. FILENAME = E05_URS_sht_ErosionPlan-04.dgn

E05_SCI.tbl
E05_EOWA_PDF.pltcfg
0.0690
8/2/2019

DRAWN BY KJB DATE 08/15/19
CHECKED BY SPF DATE 08/15/19

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303 E. WACKER DR.
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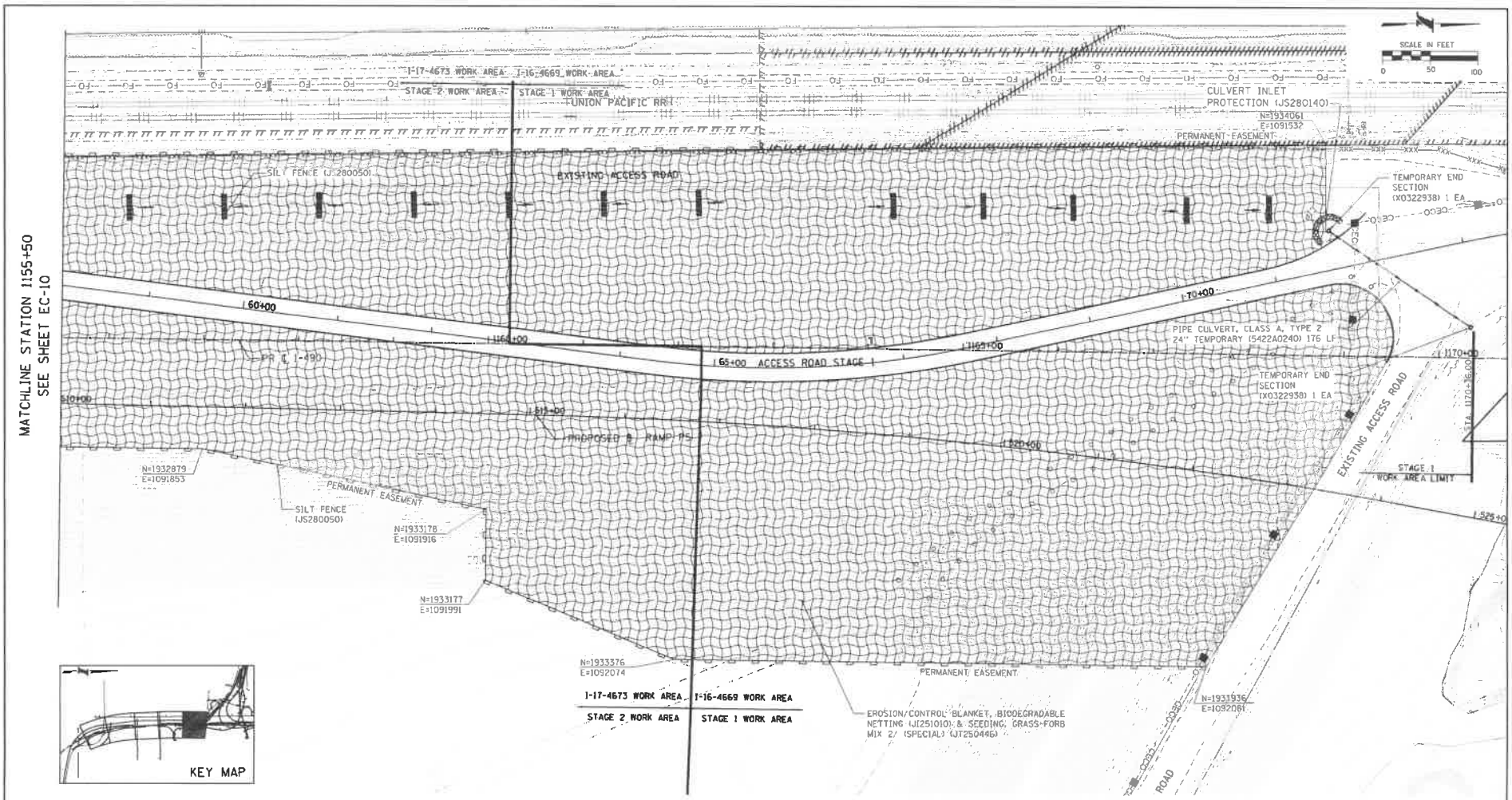
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT NO. I-17-4673

EROSION CONTROL PLAN
STAGE 1 & 2

SHEET NO. EC-10
DRAWING NO. 197 OF 650



EROSION CONTROL LEGEND

INSTALLED PREVIOUSLY THIS STAGE	INSTALLED	
		SILT FENCE (JS280050)
SSF	SSF	SUPER SILT FENCE (JS280100)
		STABILIZED CONSTRUCTION ENTRANCE (JS280070)
		EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
		HEAVY DUTY EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251015) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
		TEMPORARY RIPRAP (JS280140)
		STONE OUTLET STRUCTURE SEDIMENT TRAP PAID AS TEMPORARY RIPRAP (JS280140) & EROSION AND SEDIMENT CONTROL-EXCAVATION (JS280030)
		CULVERT INLET PROTECTION FENCE PAID AS SUPER SILT FENCE (JS280100)
CIP	CIP	CULVERT INLET PROTECTION PAID AS TEMPORARY RIPRAP (JS280140)
		RECTANGULAR INLET PROTECTION (JS280180)
		FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210)
		TEMPORARY ROCK CHECK DAM PAID AS TEMPORARY RIPRAP(JS280140)
FB	FB	FLOTATION BOOM (JS280080)
		TEMPORARY PIPE SLOPE DRAIN (JS280110)
		TEMPORARY DITCH CHECK (JS280305)
PROPOSED	EXISTING	
		DRAINAGE PATH
		STORM SEWER
		WOUS (WATERS OF THE UNITED STATES)
		IMPACTED WOUS

PLOT SCALE = 100.0000 ' / in. FILENAME = E05_URS_sht_ErosionPlan-05.dgn

E05_SCI.tbl
E05_EOWA_PDF.plt
03590
8/2/2019

DRAWN BY KJB DATE 08/15/19
CHECKED BY SPF DATE 08/15/19

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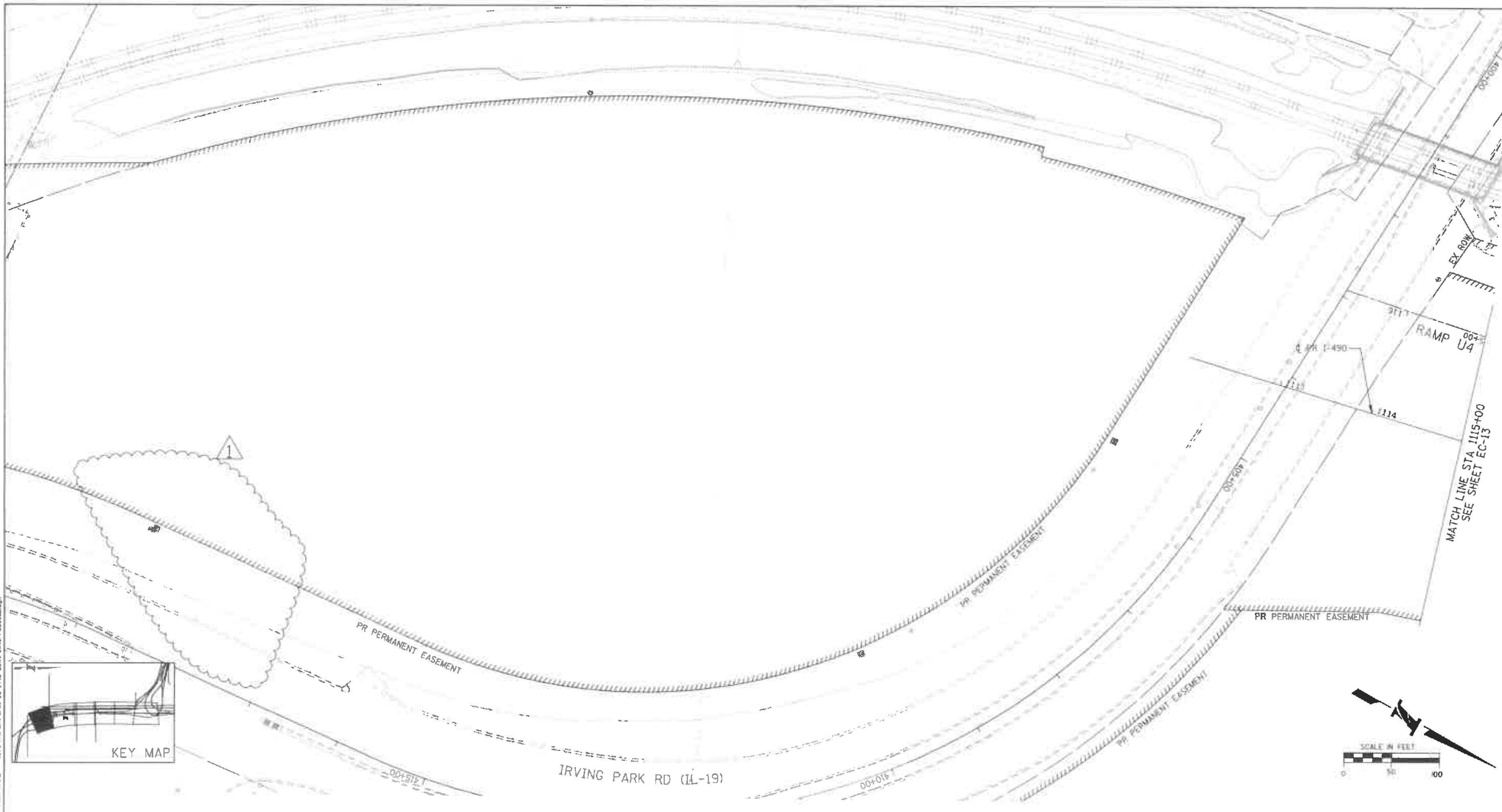
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT NO. I-17-4673

EROSION CONTROL PLAN
STAGE 1 & 2

SHEET NO. EC-11
DRAWING NO. 198 OF 650



EROSION CONTROL LEGEND

INSTALLED THIS STAGE	PREVIOUSLY INSTALLED	ITEM
		SILT FENCE (JS280050)
—SSF—		SUPER SILT FENCE (JS280100)
		STABILIZED CONSTRUCTION ENTRANCE (JS280070)
		EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
		HEAVY DUTY EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251015) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
		TEMPORARY RIPRAP (JS280140)
		STONE OUTLET STRUCTURE SEDIMENT TRAP PAID AS TEMPORARY RIPRAP (JS280140) & EROSION AND SEDIMENT CONTROL-EXCAVATION (JS280030)
		CULVERT INLET PROTECTION FENCE PAID AS SUPER SILT FENCE (JS280100)
		CULVERT INLET PROTECTION PAID AS TEMPORARY RIPRAP (JS280140)
		RECTANGULAR INLET PROTECTION (JS280180)
		FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210)
		TEMPORARY ROCK CHECK DAM PAID AS TEMPORARY RIPRAP(JS280140)
—FB—		FLOTATION BOOM (JS280080)
		TEMPORARY PIPE SLOPE DRAIN (JS280110)
		TEMPORARY DITCH CHECK (JS280305)

PROPOSED	EXISTING	ITEM
		DRAINAGE PATH
		STORM SEWER
		WOUS (WATERS OF THE UNITED STATES)
		IMPACTED WOUS

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CHECKED BY	TMT	DATE	08/15/19

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REVISIONS

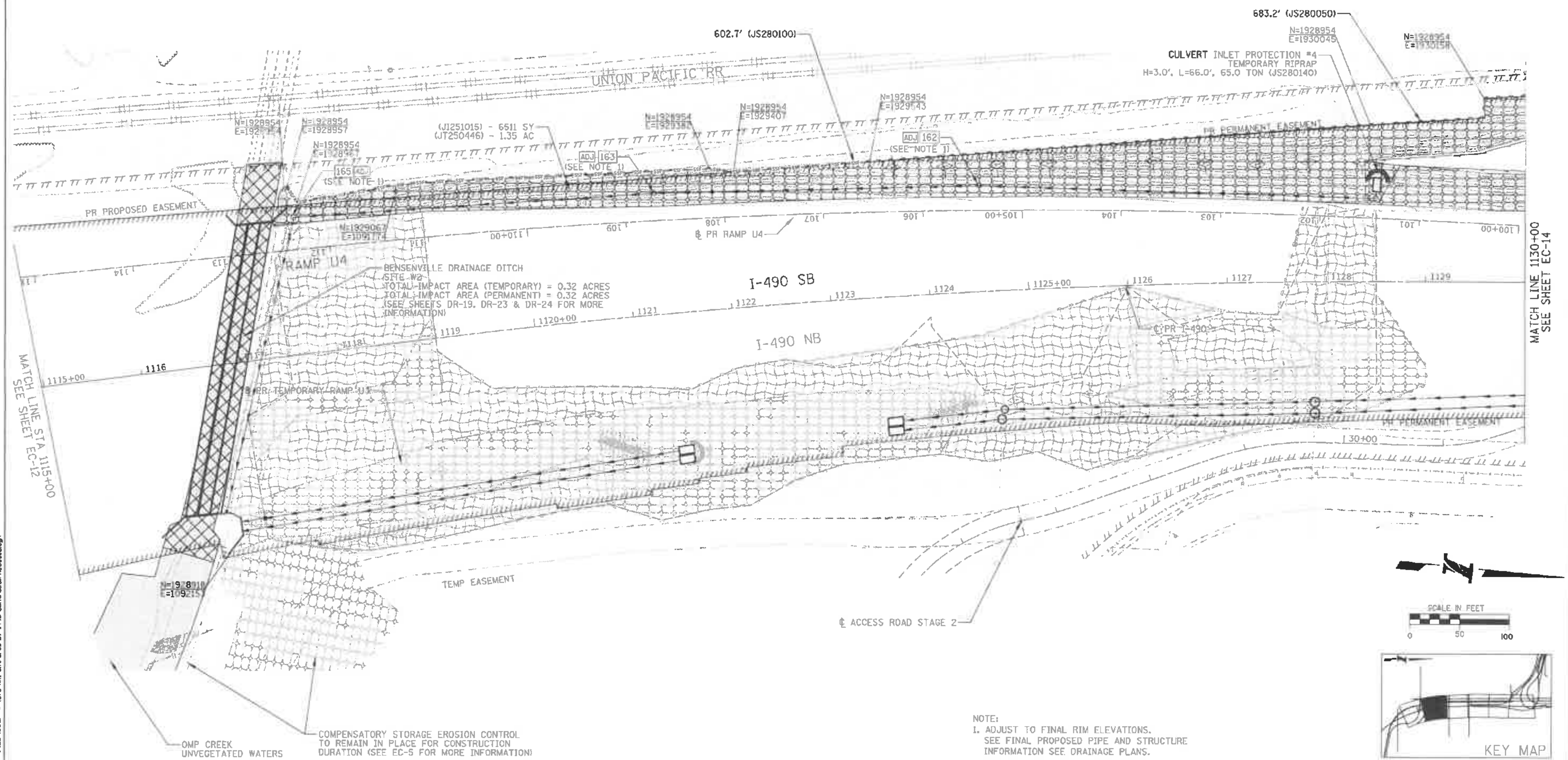
NO.	DATE	DESCRIPTION
1	8-29-19	ADDENDUM NO. 1

CONTRACT NO. I-17-4673

EROSION CONTROL PLAN
STAGE 2

SHEET NO. EC-12
DRAWING NO. 199 OF 650

FILE NAME = 4673-IXI-eht-wus-38-I490-ContractorAccess2.dgn
PLOT SCALE = 1:100
USER NAME = ZEsmart
PLOT DATE = 8/27/2019


683.2' (JS280050)
602.7' (JS280100)
CULVERT INLET PROTECTION #4
TEMPORARY RIPRAP
H=3.0', L=66.0', 65.0 TON (JS280140)
UNION PACIFIC RR
PR PROPOSED EASEMENT
PR PERMANENT EASEMENT
(JI251015) - 6511 SY
(JT250446) - 1.35 AC
ADJ 163 (SEE NOTE 1)
ADJ 162 (SEE NOTE 1)
165 (SEE NOTE 1)
RAMP U4
BENSENVILLE DRAINAGE DITCH
SITE W2
TOTAL IMPACT AREA (TEMPORARY) = 0.32 ACRES
TOTAL IMPACT AREA (PERMANENT) = 0.32 ACRES
(SEE SHEETS DR-19, DR-23 & DR-24 FOR MORE INFORMATION)
℄ PR RAMP U4
I-490 SB
I-490 NB
℄ PR I-490
PR TEMPORARY RAMP U3
MATCH LINE STA 1115+00
SEE SHEET EC-12
MATCH LINE 1130+00
SEE SHEET EC-14
TEMP EASEMENT
℄ ACCESS ROAD STAGE 2
OMP CREEK
UNVEGETATED WATERS
COMPENSATORY STORAGE EROSION CONTROL
TO REMAIN IN PLACE FOR CONSTRUCTION
DURATION (SEE EC-5 FOR MORE INFORMATION)
SCALE IN FEET
0 50 100
KEY MAP

NOTE:
1. ADJUST TO FINAL RIM ELEVATIONS. SEE FINAL PROPOSED PIPE AND STRUCTURE INFORMATION SEE DRAINAGE PLANS.

EROSION CONTROL LEGEND

INSTALLED THIS STAGE	PREVIOUSLY INSTALLED	
		SILT FENCE (JS280050)
—SSF—	—SSF—	SUPER SILT FENCE (JS280100)
		STABILIZED CONSTRUCTION ENTRANCE (JS280070)
		EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
		HEAVY DUTY EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251015) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
		TEMPORARY RIPRAP (JS280140)
		STONE OUTLET STRUCTURE SEDIMENT TRAP PAID AS TEMPORARY RIPRAP (JS280140) & EROSION AND SEDIMENT CONTROL-EXCAVATION (JS280030)
		CULVERT INLET PROTECTION FENCE PAID AS SUPER SILT FENCE (JS280100)
CIP		CULVERT INLET PROTECTION PAID AS TEMPORARY RIPRAP (JS280140)
		RECTANGULAR INLET PROTECTION (JS280180)
		FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210)
		TEMPORARY ROCK CHECK DAM PAID AS TEMPORARY RIPRAP(JS280140)
—FB—	—FB—	FLOTATION BOOM (JS280080)
		TEMPORARY PIPE SLOPE DRAIN (JS280110)
		TEMPORARY DITCH CHECK (JS280305)

PROPOSED	EXISTING	
		DRAINAGE PATH
		STORM SEWER
		WOUS (WATERS OF THE UNITED STATES)
		IMPACTED WOUS

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CHECKED BY TMT DATE 08/15/19

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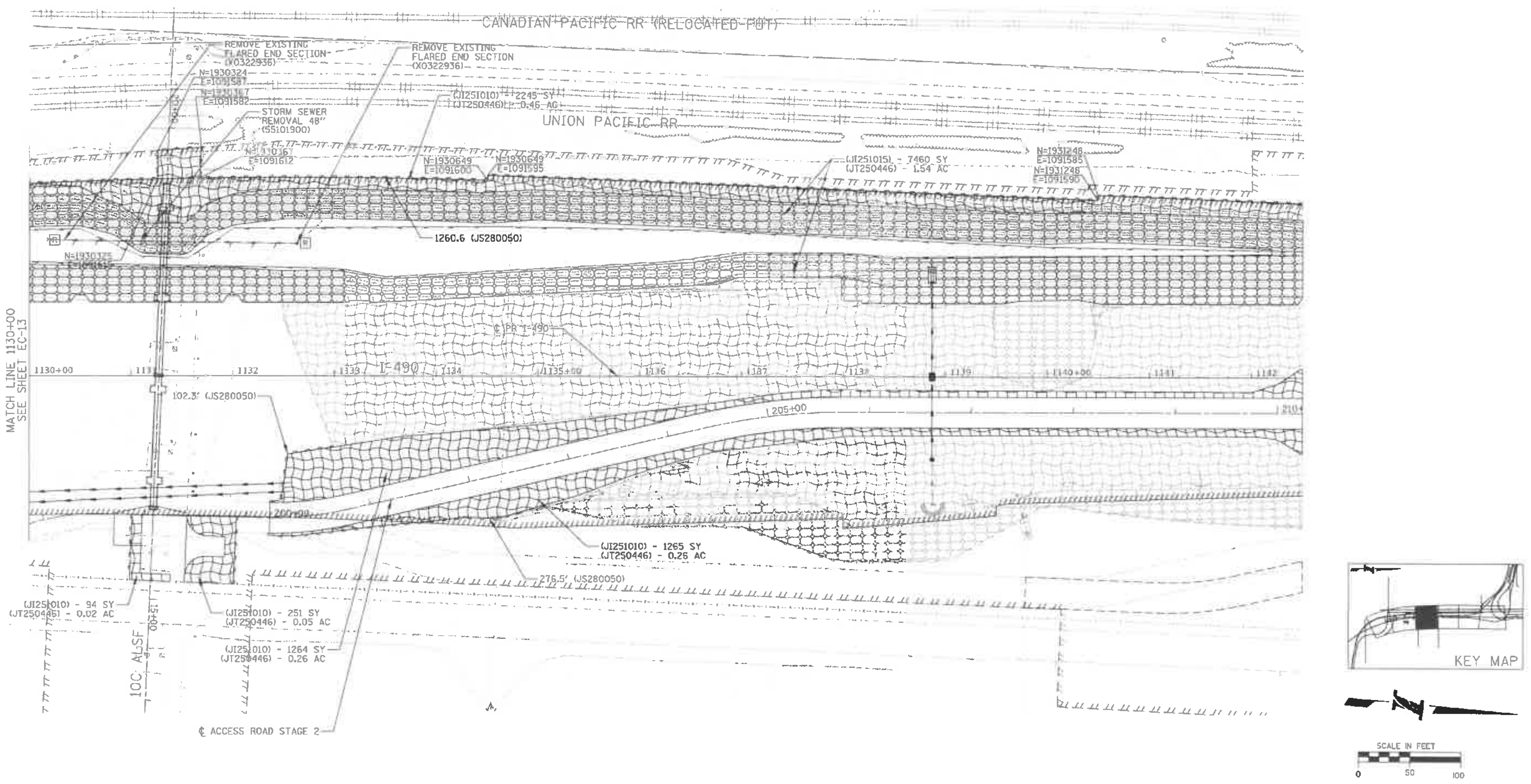
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT NO. I-17-4673
EROSION CONTROL PLAN
STAGE 2

SHEET NO. EC-13
DRAWING NO. 200 OF 650

FILE NAME = 4673-KNI-wht-eros-87-1490-Contractor-Access2.dgn
USER NAME = Zlamert
PLOT DATE = 7/29/2019
PLOT SCALE = 1:200


CANADIAN PACIFIC RR (RELOCATED-PDT)
UNION PACIFIC RR
REMOVE EXISTING FLARED END SECTION (X0322936)
REMOVE EXISTING FLARED END SECTION (X0322936)
N=1930324
E=1091587
E=1091582
STORM SEWER REMOVAL 48" (55101900)
N=1930167
E=1091612
(JI251010) - 2245 SY
(JT250446) - 0.46 AC
N=1930649
E=1091600
N=1930649
E=1091595
(JI251015) - 7460 SY
(JT250446) - 1.54 AC
N=1931248
E=1091585
N=1931248
E=1091590
1260.6 (JS280050)
N=1930325
MATCH LINE 1130+00
SEE SHEET EC-13
1130+00
1132
1133
I-490
1134
1135+00
1136
1137
1138
1139
1140+00
1141
1142
℄ PR I-490
102.3' (JS280050)
205+00
210
200+00
(JI251010) - 1265 SY
(JT250446) - 0.26 AC
276.5' (JS280050)
(JI251010) - 94 SY
(JT250446) - 0.02 AC
(JI251010) - 251 SY
(JT250446) - 0.05 AC
(JI251010) - 1264 SY
(JT250446) - 0.26 AC
10C ALSF
15+00
℄ ACCESS ROAD STAGE 2
KEY MAP
SCALE IN FEET
0
50
100

EROSION CONTROL LEGEND

INSTALLED THIS STAGE	PREVIOUSLY INSTALLED	DESCRIPTION
		SILT FENCE (JS280050)
—SSF—	—SSF—	SUPER SILT FENCE (JS280100)
		STABILIZED CONSTRUCTION ENTRANCE (JS280070)
		EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
		HEAVY DUTY EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251015) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
		TEMPORARY RIPRAP (JS280140)
		STONE OUTLET STRUCTURE SEDIMENT TRAP PAID AS TEMPORARY RIPRAP (JS280140) & EROSION AND SEDIMENT CONTROL-EXCAVATION (JS280030)
		CULVERT INLET PROTECTION FENCE PAID AS SUPER SILT FENCE (JS280100)
CIP		CULVERT INLET PROTECTION PAID AS TEMPORARY RIPRAP (JS280140)
		RECTANGULAR INLET PROTECTION (JS280180)
		FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210)
		TEMPORARY ROCK CHECK DAM PAID AS TEMPORARY RIPRAP(JS280140)
—FB—	—FB—	FLOTATION BOOM (JS280080)
		TEMPORARY PIPE SLOPE DRAIN (JS280110)
		TEMPORARY DITCH CHECK (JS280305)

PROPOSED	EXISTING	DESCRIPTION
		DRAINAGE PATH
		STORM SEWER
		WOUS (WATERS OF THE UNITED STATES)
		IMPACTED WOUS

DRAWN BY	TPD	DATE	08/15/19
CHECKED BY	TMT	DATE	08/15/19

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS

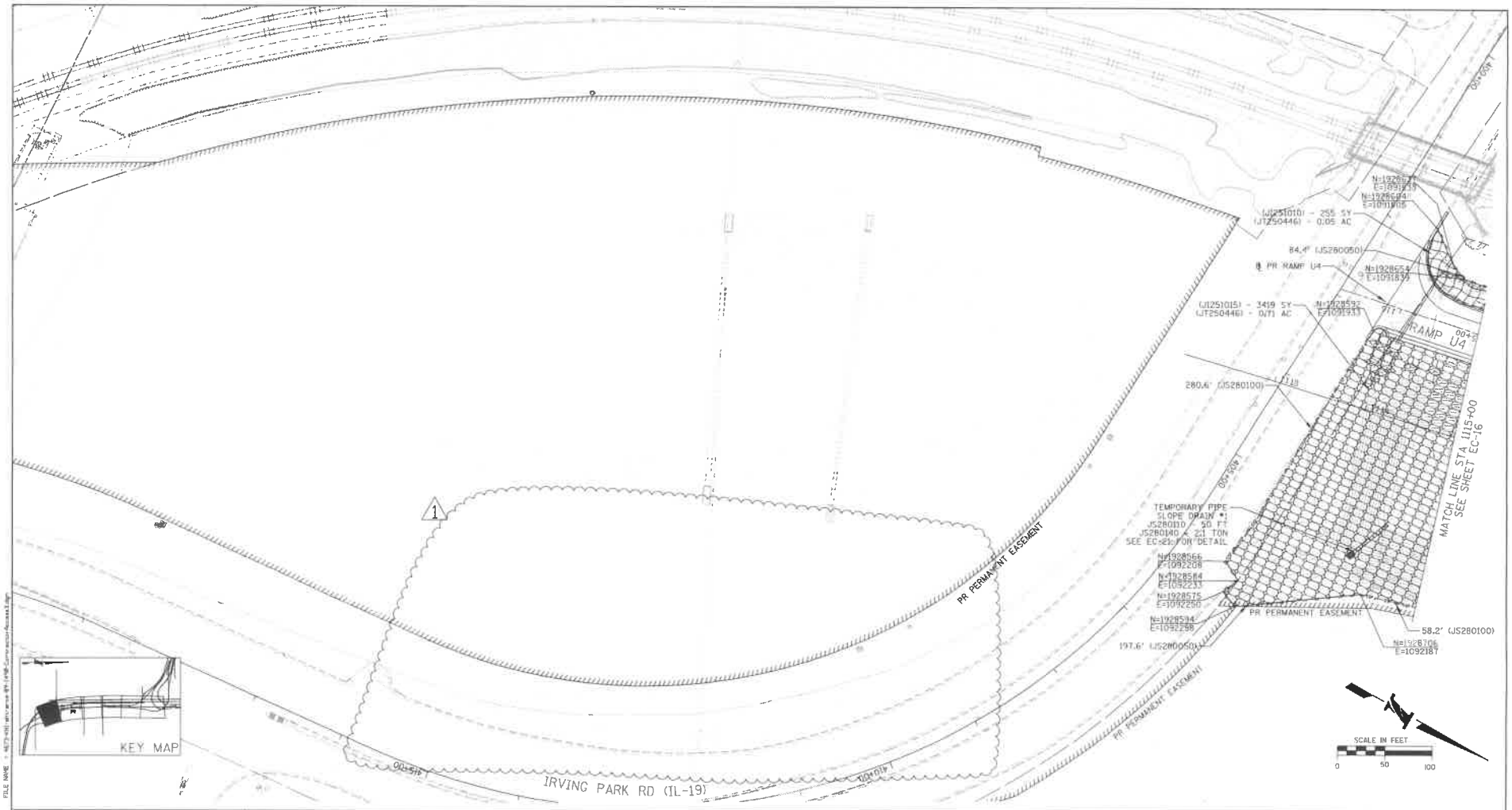
NO.	DATE	DESCRIPTION

CONTRACT NO. I-17-4673

EROSION CONTROL PLAN
STAGE 2

SHEET NO. EC-14
DRAWING NO. 201 OF 650

USER NAME = ZGohert
PLOT DATE = 7/25/2019
PLOT SCALE = 1:100
FILE NAME = 4673-KNI-aht-erco-08-1490-ContractorAccess2.dgn



EROSION CONTROL LEGEND

INSTALLED PREVIOUSLY THIS STAGE	INSTALLED	
SILT FENCE (JS280050)		
SUPER SILT FENCE (JS280100)		
STABILIZED CONSTRUCTION ENTRANCE (JS280070)		
EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)		
HEAVY DUTY EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251015) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)		
TEMPORARY RIPRAP (JS280140)		
STONE OUTLET STRUCTURE SEDIMENT TRAP PAID AS TEMPORARY RIPRAP (JS280140) & EROSION AND SEDIMENT CONTROL-EXCAVATION (JS280030)		
CULVERT INLET PROTECTION FENCE PAID AS SUPER SILT FENCE (JS280100)		
CULVERT INLET PROTECTION PAID AS TEMPORARY RIPRAP (JS280140)		
RECTANGULAR INLET PROTECTION (JS280180)		
FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210)		
TEMPORARY ROCK CHECK DAM PAID AS TEMPORARY RIPRAP(JS280140)		
FLOTATION BOOM (JS280080)		
TEMPORARY PIPE SLOPE DRAIN (JS280110)		
TEMPORARY DITCH CHECK (JS280305)		
DRAINAGE PATH	PROPOSED	EXISTING
STORM SEWER		
WOUS (WATERS OF THE UNITED STATES)		
IMPACTED WOUS		

DRAWN BY TPD DATE 08/15/19
CHECKED BY TMT DATE 08/15/19

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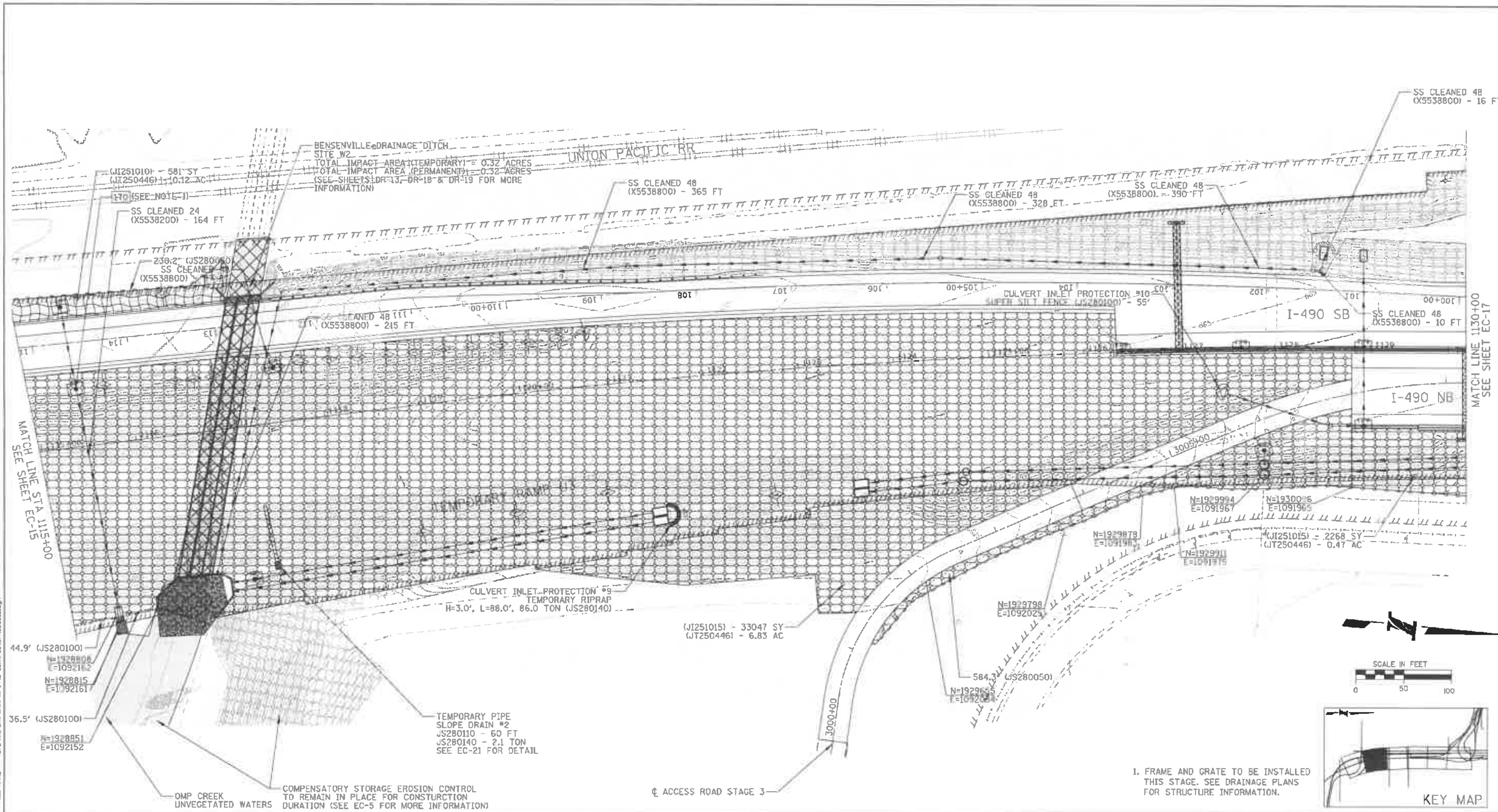
REVISIONS		
NO.	DATE	DESCRIPTION
1	8-29-19	ADDENDUM NO. 1

CONTRACT NO. I-17-4673

EROSION CONTROL PLAN
STAGE 3

SHEET NO. EC-15
DRAWING NO. 202 OF 650


SS CLEANED 48 (X5538800) - 16 FT
BENSENVILLE DRAINAGE DITCH SITE W2
TOTAL IMPACT AREA (TEMPORARY) = 0.32 ACRES
TOTAL IMPACT AREA (PERMANENT) = 0.32 ACRES
(SEE SHEETS DR-13, DR-18 & DR-19 FOR MORE INFORMATION)
UNION PACIFIC RR
(JI251010) - 581 SY
(JT250446) - 0.12 AC
170 SEE NOTE 1
SS CLEANED 24 (X5538200) - 164 FT
SS CLEANED 48 (X5538800) - 365 FT
SS CLEANED 48 (X5538800) - 328 FT
SS CLEANED 48 (X5538800) - 390 FT
238.2' (JS280050)
SS CLEANED 48 (X5538800)
SS CLEANED 48 (X5538800) - 215 FT
CULVERT INLET PROTECTION #10
SUPER SILT FENCE (JS280100) - 55'
I-490 SB
I-490 NB
SS CLEANED 48 (X5538800) - 10 FT
MATCH LINE 1130+00
SEE SHEET EC-17
MATCH LINE STA 1115+00
SEE SHEET EC-15
TEMPORARY RAMP 1
N=1929994 E=1091967
N=1930016 E=1091965
N=1929878 E=1091981
(JI251015) - 2268 SY
(JT250446) - 0.47 AC
N=1929311 E=1091915
CULVERT INLET PROTECTION #9
TEMPORARY RIPRAP
H=3.0', L=88.0', 86.0 TON (JS280140)
N=1929798 E=1092025
(JI251015) - 33047 SY
(JT250446) - 6.83 AC
44.9' (JS280100)
N=1928808 E=1092162
N=1928815 E=1092161
584.3' (JS280050)
N=1929652 E=1092024
SCALE IN FEET
0
50
100
36.5' (JS280100)
N=1928851 E=1092152
TEMPORARY PIPE SLOPE DRAIN #2
JS280110 - 60 FT
JS280140 - 2.1 TON
SEE EC-21 FOR DETAIL
3000+00
1. FRAME AND GRATE TO BE INSTALLED THIS STAGE. SEE DRAINAGE PLANS FOR STRUCTURE INFORMATION.
OMP CREEK UNVEGETATED WATERS
COMPENSATORY STORAGE EROSION CONTROL TO REMAIN IN PLACE FOR CONSTURCTION DURATION (SEE EC-5 FOR MORE INFORMATION)
℄ ACCESS ROAD STAGE 3
KEY MAP

EROSION CONTROL LEGEND

INSTALLED THIS STAGE	PREVIOUSLY INSTALLED	
		SILT FENCE (JS280050)
SSF	SSF	SUPER SILT FENCE (JS280100)
		STABILIZED CONSTRUCTION ENTRANCE (JS280070)
		EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
		HEAVY DUTY EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251015) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
		TEMPORARY RIPRAP (JS280140)
		STONE OUTLET STRUCTURE SEDIMENT TRAP PAID AS TEMPORARY RIPRAP (JS280140) & EROSION AND SEDIMENT CONTROL-EXCAVATION (JS280030)
		CULVERT INLET PROTECTION FENCE PAID AS SUPER SILT FENCE (JS280100)
CIP		CULVERT INLET PROTECTION PAID AS TEMPORARY RIPRAP (JS280140)
		RECTANGULAR INLET PROTECTION (JS280180)
		FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210)
		TEMPORARY ROCK CHECK DAM PAID AS TEMPORARY RIPRAP (JS280140)
FB	FB	FLOTATION BOOM (JS280080)
		TEMPORARY PIPE SLOPE DRAIN (JS280110)
		TEMPORARY DITCH CHECK (JS280305)

PROPOSED	EXISTING	
		DRAINAGE PATH
		STORM SEWER
		WOUS (WATERS OF THE UNITED STATES)
		IMPACTED WOUS

DRAWN BY	TPD	DATE	08/15/19
CHECKED BY	TMT	DATE	08/15/19

KNIGHT
Engineers & Architects
221 North LaSalle Street
Suite 300
Chicago IL 60601
Phone: (312) 577-3300

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS

NO.	DATE	DESCRIPTION

CONTRACT NO. I-17-4673

EROSION CONTROL PLAN
STAGE 3

SHEET NO. EC-16
DRAWING NO. 203 OF 650

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PLOT DATE = 7/25/2019
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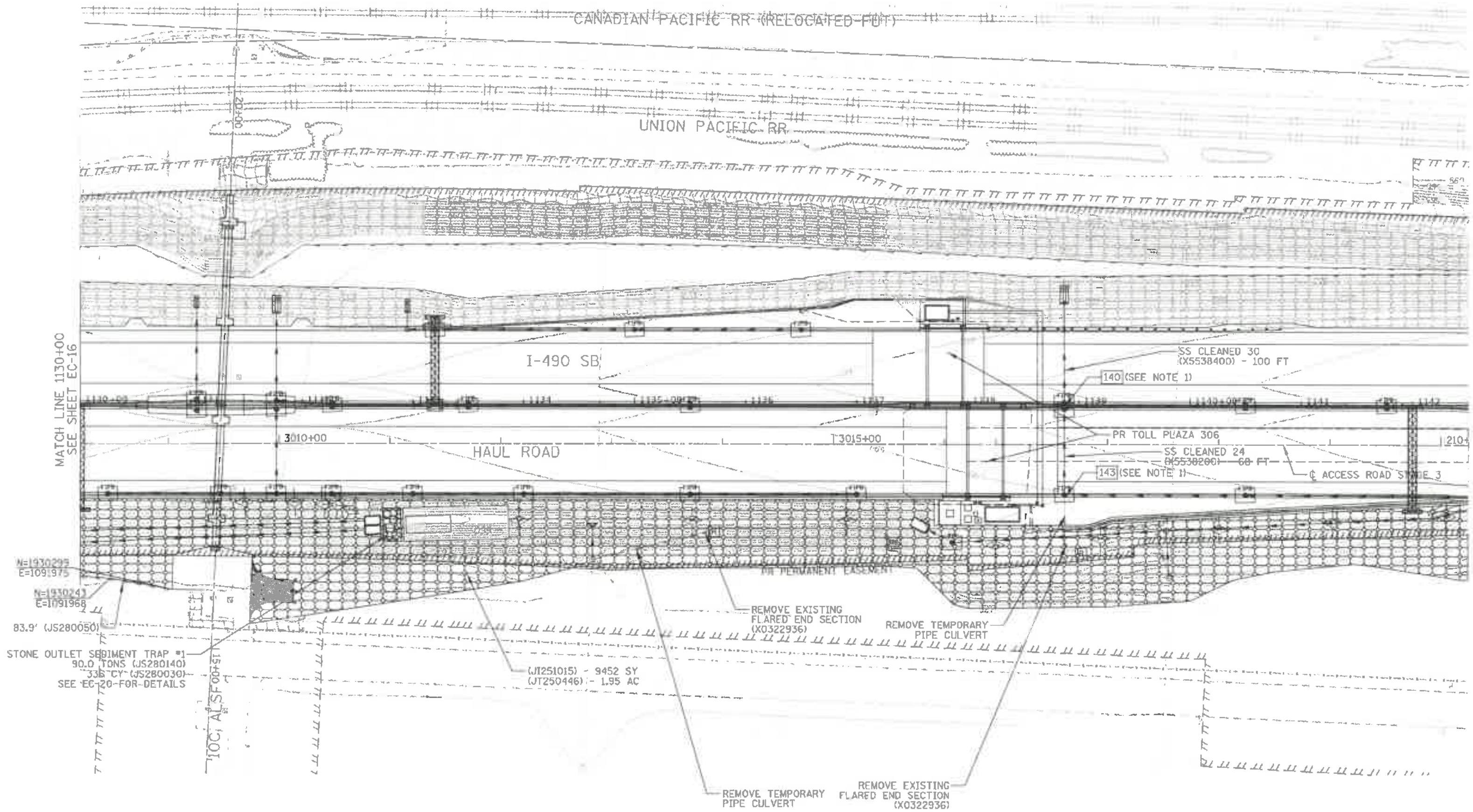

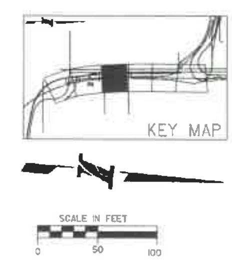

1. FRAME AND GRATE TO BE INSTALLED THIS STAGE. SEE DRAINAGE PLANS FOR STRUCTURE INFORMATION.

EROSION CONTROL LEGEND

INSTALLED THIS STAGE	PREVIOUSLY INSTALLED	ITEM
———	———	SILT FENCE (JS280050)
—SSF—	—SSF—	SUPER SILT FENCE (JS280100)
		STABILIZED CONSTRUCTION ENTRANCE (JS280070)
		EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JT251010) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
		HEAVY DUTY EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JT251015) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
		TEMPORARY RIPRAP (JS280140)
		STONE OUTLET STRUCTURE SEDIMENT TRAP PAID AS TEMPORARY RIPRAP (JS280140) & EROSION AND SEDIMENT CONTROL-EXCAVATION (JS280030)
		CULVERT INLET PROTECTION FENCE PAID AS SUPER SILT FENCE (JS280100)
CIP	CIP	CULVERT INLET PROTECTION PAID AS TEMPORARY RIPRAP (JS280140)
		RECTANGULAR INLET PROTECTION (JS280180)
		FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210)
		TEMPORARY ROCK CHECK DAM PAID AS TEMPORARY RIPRAP(JS280140)
—FB—	—FB—	FLOTATION BOOM (JS280080)
		TEMPORARY PIPE SLOPE DRAIN (JS280110)
		TEMPORARY DITCH CHECK (JS280305)

PROPOSED	EXISTING	ITEM
		DRAINAGE PATH
		STORM SEWER
		WOUS (WATERS OF THE UNITED STATES)
		IMPACTED WOUS

DRAWN BY TPD	DATE 08/15/19	KNIGHT Engineers & Architects 221 North LaSalle Street Suite 300 Chicago IL 60601 Phone: (312) 577-3300	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515
CHECKED BY TMT	DATE 08/15/19		

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT NO. I-17-4673

EROSION CONTROL PLAN
STAGE 3

SHEET NO. EC-17

DRAWING NO. 204 OF 650

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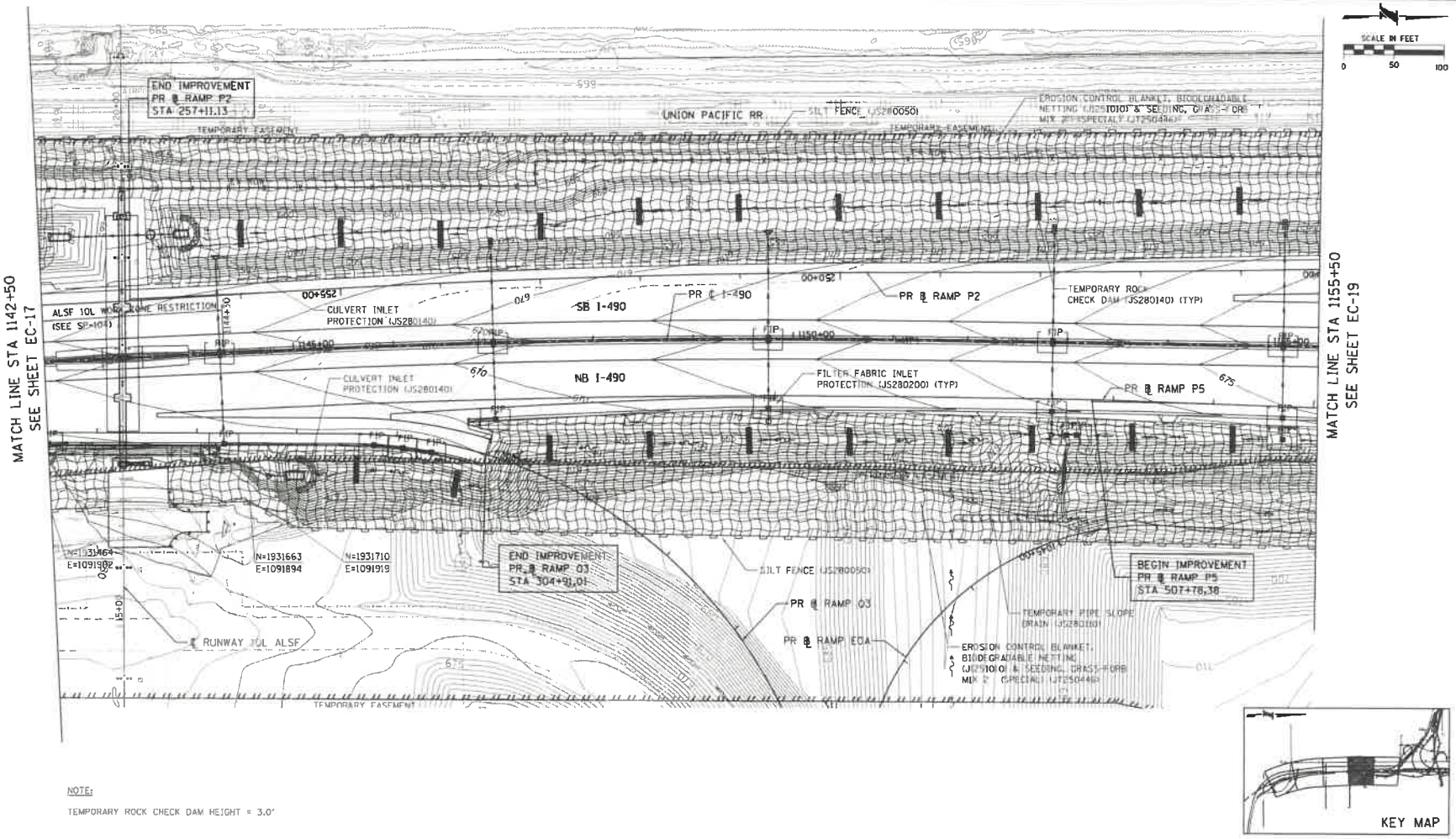

NOTE:

TEMPORARY ROCK CHECK DAM HEIGHT = 3.0'

EROSION CONTROL LEGEND

INSTALLED THIS STAGE	INSTALLED PREVIOUSLY	
		EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
		HEAVY DUTY EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251015) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
		TEMPORARY RIPRAP (JS280140)
		STONE OUTLET STRUCTURE SEDIMENT TRAP PAID AS TEMPORARY RIPRAP (JS280140) & EROSION AND SEDIMENT CONTROL-EXCAVATION (JS280030)
		CULVERT INLET PROTECTION FENCE PAID AS SUPER SILT FENCE (JS280100)
		CULVERT INLET PROTECTION PAID AS TEMPORARY RIPRAP (JS280140)
		RECTANGULAR INLET PROTECTION (JS280180)
		FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210)
		TEMPORARY ROCK CHECK DAM PAID AS TEMPORARY RIPRAP (JS280140)
		FLOTATION BOOM (JS280080)
		TEMPORARY PIPE SLOPE DRAIN (JS280110)
		TEMPORARY DITCH CHECK (JS280305)
PROPOSED	EXISTING	
		DRAINAGE PATH
		STORM SEWER
		WOUS (WATERS OF THE UNITED STATES)
		IMPACTED WOUS
		SILT FENCE (JS280050)
SSF	SSF	SUPER SILT FENCE (JS280100)
		STABILIZED CONSTRUCTION ENTRANCE (JS280070)

DRAWN BY KJB DATE 08/15/19

CHECKED BY SPF DATE 08/15/19

URS
303 E. WACKER DR.
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CHICAGO IL, 60601
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REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT NO. I-17-4673

EROSION CONTROL PLAN
STAGE 3

SHEET NO. EC-18

DRAWING NO. 205 OF 650

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8/2/2019
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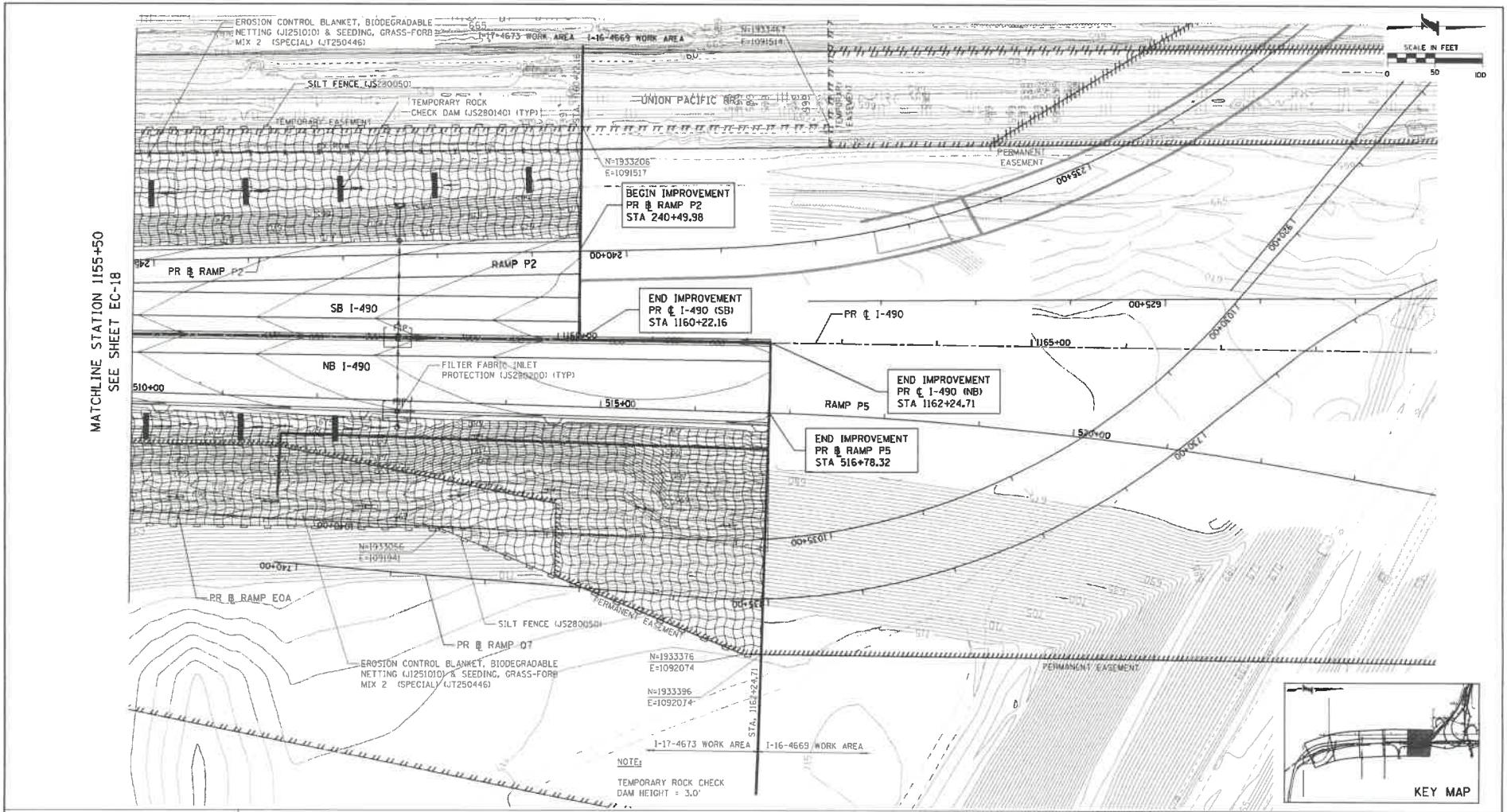

EROSION CONTROL LEGEND

INSTALLED THIS STAGE	INSTALLED PREVIOUSLY	
SILT FENCE (JS280050)		
SSF — SUPER SILT FENCE (JS280100)	SSF	
STABILIZED CONSTRUCTION ENTRANCE (JS280070)		
		EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
		HEAVY DUTY EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251015) & SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
		TEMPORARY RIPRAP (JS280140)

INSTALLED THIS STAGE	INSTALLED PREVIOUSLY	
		STONE OUTLET STRUCTURE SEDIMENT TRAP PAID AS TEMPORARY RIPRAP (JS280140) & EROSION AND SEDIMENT CONTROL-EXCAVATION (JS280030)
		CULVERT INLET PROTECTION FENCE PAID AS SUPER SILT FENCE (JS280100)
CIP	CIP	CULVERT INLET PROTECTION PAID AS TEMPORARY RIPRAP (JS280140)

INSTALLED THIS STAGE	INSTALLED PREVIOUSLY	
		RECTANGULAR INLET PROTECTION (JS280180)
		FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210)
		TEMPORARY ROCK CHECK DAM PAID AS TEMPORARY RIPRAP(JS280140)
FB	FB	FLOTATION BOOM (JS280080)
		TEMPORARY PIPE SLOPE DRAIN (JS280110)

INSTALLED THIS STAGE	INSTALLED PREVIOUSLY	
		TEMPORARY DITCH CHECK (JS280305)
PROPOSED	EXISTING	
		DRAINAGE PATH
		STORM SEWER
		WOUS (WATERS OF THE UNITED STATES)
		IMPACTED WOUS

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8/2/2019

DRAWN BY KJB DATE 08/15/19
CHECKED BY SPF DATE 08/15/19

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
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DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT NO. I-17-4673

EROSION CONTROL PLAN
STAGE 3

SHEET NO. EC-19
DRAWING NO. 206 OF 650