

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. Project Location

The majority of work under this contract shall be performed along the Northbound Tri-State Tollway (I-294) in Cook County and DuPage County, Illinois with incidental work being performed along the Southbound Tri-State Tollway. The project limits are summarized below:

<u>Begin Contract (I-294)</u>	<u>End Contract (I-294)</u>
Station 1632+00.00	Station 1684+00.00
Mile Post 30.9	Mile Post 31.8
Latitude 41° 52' 00" N	Latitude 41° 52' 51" N
Longitude 87° 54' 60" W	Longitude 87° 55' 09" W

b. Description of the construction activity

The work under this contract includes but is not limited to the widening and reconstruction of the Northbound Tri-State Tollway (I-294) ramps from I-88 Eastbound and to I-290 Westbound, including new bridges over Butterfield Road, Chicago, Central and Pacific railroad, and I-290, with associated construction of ITS infrastructure, drainage

improvements, utility relocation, lighting improvements and signage. There will also be regrading done north of Plaza 35 on the east side of I-294.

c. Sequence of Major Earth Disturbing Construction Activities

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 (use additional pages, as necessary):

1. Clear and Grub Trees and Shrubs.
2. Install Initial Erosion and Sediment Control Measures.
3. Topsoil Excavation, Stockpiling and Temporary Stabilization.
4. Mass Grading and Shaping bridge embankments.
5. Removal of Existing and Installation of Proposed Drainage.
6. Bridge Construction, Roadway Widening and Paving.
7. Topsoil Furnishing and Placing.
8. Install and Maintain Temporary Seeding/Stabilization on all disturbed areas.
9. Final Grade and Permanently Seed/Stabilize all disturbed areas that will not be disturbed by the adjacent mainline Tri-State (I-294) work.
10. Remove Temporary Erosion and Sediment Control Measures and restore those areas.

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 update 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 and PRG-2 "Suggested Progress Schedule", Sheets ECN-01 through ECS-01 "Erosion and Sediment Control Plans", and Sheets LPN-01 through LPS-01 "Landscape Plans" and shall be made part of the SWPPP. Where deviations from those drawings are required because of 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 **52.5** 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 **21.0** acres.

e. Runoff Coefficients

The following estimates are provided for the construction site:

Percentage impervious area before construction: **41.9%**

Runoff coefficient before construction: **0.56**

Percentage impervious area after construction: **44.3%**

Runoff coefficient after construction: **0.59**

f. Soil Characteristics

Information describing the soils at the site is contained in the Geotechnical Soils Report for the project, incorporated by reference, and information available through the U.S. Department of Agriculture Natural Resources Conservation Service (NRCS) web-based soil survey at

<https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>.

A description of the existing soil conditions at the construction site including soil types, slopes and slope lengths, drainage patterns, and other topographic features that might affect erosion and sediment control are summarized below:

According to the USDA Web Soil Survey, the primary soil types within the project limits are:

- Urban land (533), k=N/A
- Orthents, clayey, rolling (805D), k=0.32
- Urban land-Anthroportic Udorthents complex, 2 to 6 percent slopes (2811B), k=N/A

Generally speaking, "Values of K can range from 0.02 to 0.69. Other factors being equal, the higher the value, the more susceptible the soil is to sheet and rill erosion by water (USDA Web Soil Survey)."

- The site drains to numerous detention basins within infields. Most are dry, flat-bottom basins with some wet areas due to their low gradient. A wet detention basin is located at the north end, between I-294 and I-290, which will be re-graded and converted to a dry-bottom basin as a part of another contract.
- The topography across the project undulates more than most typical sites along the Tollway. In particular, the bridge embankments have considerable relief that will likely be susceptible to erosion when grading is underway and the area is not stabilized.
- STA 1686+00 is approximately the boundary of the FAA Hazardous Wildlife Zone, therefore, temporary and permanent stabilization measures have been selected to comply with the USDA-WS Illinois Preferred Airport Plant List.

g. Topography and Drainage

Embankments are generally steep and ditches are relatively flat. Drainage is ultimately to existing storm sewers that drain off-site.

h. Drainage System Ownership

The use of polymer flocculants or other chemicals to treat stormwater runoff on the project are not planned or anticipated. Nevertheless, a nominal quantity of flocculants has been included to be used at the Engineer's discretion. Should flocculants be necessary, only water soluble anionic polymers will be used.

Drainage systems which receive ultimate stormwater discharge from the project are owned by the Illinois Department of Transportation, the Village of Hillside, and the Village of Berkeley.

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 Plans	DP-01 through DP-05
Erosion and Sediment Control Plans	EC-01 through EC-10B
Landscape Plans	LP-01 through LP-06A

j. Receiving Waters and Wetland Acreage

Isolated Wetland 32 (0.13 acres) is located adjacent to the project area on the south side. It will not be directly affected by the work and appropriate erosion and sediment control measures have been taken to protect it from site runoff.

Isolated Wetland 33 (0.92 acres) is located well outside the project limits on the opposite side of I-294 and will not be affected.

Isolated Wetland 34 (0.11 acres) is located adjacent to the project area on the north side. It will not be directly affected by the work and appropriate erosion and sediment control measures have been taken to protect it from site runoff.

Isolated Wetland 35 (0.29 acres) is located well outside of the project limits. It is behind a recently constructed noise wall and will not be

disturbed.

Isolated Wetland Site 36 (1.73 acres) is located within and adjacent to the project limits and is required to be protected. Approximately 0.05 acres will be temporarily disturbed.

k. 303(d) Listed Receiving Waters

There are no 303(d) listed receiving waters within the project limits.

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

There are no receiving waters with a TMDL within the project limits.

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.

All unimpacted wetlands within the ROW and wetlands located adjacent to the ROW are to be protected during construction. Super Silt Fence will be provided at the boundary of the wetland areas to be protected and serve to designate the "No Intrusion Area".

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
- Portable Toilet Wastes
- Litter and Miscellaneous Solid Waste
- Glues, Adhesives, and Sealants
- Contaminated Soils
- Dust Palliative Products

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 practices, 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 waterfowl) within five miles of O'Hare International Airport.
- The project is located within existing Illinois Tollway ROW, IDOT ROW, and within ROW of the Villages of Berkeley and Hillside. It is subject to the Municipal Separate Storm Sewer System (MS4) requirements of these agencies and communities.

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-01 through EC-10B** 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.

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.

Existing vegetation will be left undisturbed when feasible.

During Construction

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): Protection of Existing Vegetation

Description of Interim Stabilization Practices, including site specific scheduling of the implementation of the practices to be used on the contract:

- Protection of Existing Vegetation: During construction, areas outside the construction limits as outlined previously herein, shall be protected. The contractor shall not use this area for staging (except as described on the plans and as directed by the engineer), parking of vehicles or construction equipment, storage of materials, or other construction related activities.
- 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 of concentrated flows.
- Temporary Seeding with Erosion Control Blanket: Applied to disturbed areas on slopes 1:1.5 (V:H) or flatter.
- Same Day Stabilization: As directed by the Engineer throughout the contract duration. Temporary Seeding with Erosion Control Blanket shall be used as the stabilization method.
- 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 observation 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.
- Soil Storage Pile Protection: Soil storage piles containing more than 10 cubic yards of material shall not be located within 25 feet of a roadway or drainage channel. Filter barrier, consisting of silt fence or equivalent, shall be installed immediately on the downslope side of the piles.
- Stabilization controls runoff volume and velocity, peak runoff rates and volumes of discharge to minimize exposed soil, disturbed slopes, sediment discharges from construction, and provides for natural buffers and minimization of soil compaction. Existing vegetated areas where disturbance can

be avoided will not require stabilization.

- Where possible, stabilization of the initial Stage should be completed before work is moved to subsequent stages.

Description of Final Stabilization Practices:

- Staged or Staggered Development: Final stabilization will be applied in the current stage prior to Maintenance of Traffic switching to the next stage.
- Permanent Seeding with Erosion Control Blanket: Once grading is completed, permanent seed with erosion control blanket will be applied to all prepared slopes and disturbed areas. Refer to the Landscape Plans for details.

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.

- Permanent Seeding with Erosion Control Blanket: Once grading is completed, permanent seed with erosion control blanket will be applied to all prepared slopes and disturbed areas. Refer to the Landscape Plans for details.

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.

Description of Structural Practices:

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): Street Sweeping
- Other (specify):
- Other (specify):

Description of Structural Practices:

- Silt Fence/Super Silt Fence: Shall be installed at the locations indicated on the Erosion and Sediment Control Plans and other locations where it is deemed necessary to filter sediment from storm runoff. The fence is designed to retain sediment-laden water to allow settlement of suspended soils before filtering through the mesh fabric for discharge downstream. Perimeter silt fence shall be installed prior to the initiation of earth disturbing construction activities. Silt fence will be installed around temporary stockpiles and will be installed prior to beginning stockpiling activities.
- Stabilized Construction Entrances: Vehicles and equipment will access the construction site at the designated stabilized construction entrances to control off-site tracking of sediments at locations shown on the plans or as directed by the Engineer. Stabilized construction entrance(s) shall be constructed in conformance with the Illinois Tollway Supplemental Specifications and Standard Design Details. The rough texture of the stone helps to remove clumps of soil adhering to construction vehicle tires through the action of vibration and jarring over the rough surface and the friction of the stone matrix against soils attached to the vehicle tires. Any track-out that occurs beyond the stabilized construction entrance shall be removed by wet sweeping no later than the end of the day in which the track-out occurs, or more frequently as directed by the Engineer.

- Fabric and Rectangular Inlet Protection: Will be provided at all proposed drainage structures as they are constructed and any existing structures that will be receiving flow within the construction limits. The primary function is to place controls in the path of flow sufficient to slow sediment laden water to allow settlement of suspended solids before discharging into the storm sewer system. Fabric inlet protection will consist of manufactured filter baskets in paved areas and rectangular inlet protection in unpaved areas.
- Culvert Inlet Protection: Will be provided at all proposed detention basin outlets and ditch culverts as they are constructed and receiving runoff from the disturbed work areas. The primary function is detain sediment laden water to allow settlement of suspended solids and their removal before discharging into the storm sewer system. Culvert Inlet Protection will consist of temporary riprap and shall be constructed in conformance with the Illinois Tollway Supplemental Specifications and Standard Design Details.
- Temporary Ditch Checks: Will be installed within any ditch or drainageway that may experience siltation, erosion, or scour; or within any stable ditch that receives upland sediment laden water. The device is placed perpendicular to flow in swales or shallow drainage ditches to reduce velocity of flowing water, thereby reducing scour and channel erosion, encouraging deposition of sediment and filtration in the created small ponding areas, and promoting infiltration where suitable soils are present.
- Sediment Filter Bag: Will be installed at the discharge end of pumping operations to remove suspended sediment from dewatering operations, including treatment of groundwater removed from an excavation or other area, prior to the appropriate discharge of encountered water to promote the capture of sediment prior to discharging into regulated waterways.
- Street Sweeping: Will be performed at the end of each work day, or as directed by the Engineer, to prevent track-out of sediment outside of the work area and onto the active roadway and to prevent sediment from washing into drainage structures within the work area.
- Silt fence should only be used as PEB in areas where the work area is higher than the perimeter. The use of silt fence at the top of the slope/elevations higher than the work area should always be avoided. If necessary, temporary fence should be utilized in these locations (where the top of slope/elevation is higher than the work area) in lieu of silt fence.
- Avoid using the INLET AND PIPE PROTECTION shown on the Highway Standard Sheets 280001. Straw bales and silt fence should not be used as inlet and pipe protection. Inlet and pipe protection

should be comprised of ditch checks, temporary seeding and temporary erosion control blanket and will be installed at all storm sewer and culverts. Inlet filters, as specified in Article 1081.15(h) of the Standard Specifications (current edition) will be installed at all inlets, catch basins, and manholes for the duration of construction. Inlet filters will be cleaned on a regular basis. Ensure proper quantities of inlet filters, ditch checks, temporary seeding and temporary erosion control blanket are included in the contract.

- Any loose material deposited in the flow line of drainage structures, which obstructs the natural flow of water, shall be removed at the close of each working day. Prior to acceptance of the improvement, all drainage structures shall be free of dirt and debris. This work will not be paid for separately but shall be considered as incidental.
- Under no circumstances shall the contractor prolong final grading and shaping so that the entire project can be permanently seeded at one time.

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.

- The use of polymer flocculants or other chemicals to treat stormwater runoff on the project are not anticipated.

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:

- Open vegetated ditches have been selected to convey surface drainage without increasing impervious surfaces or increasing point source discharges. Ditches will be stabilized with seed and erosion control blanket.
- Detention basins will be constructed as a part of future construction.

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:

Good Housekeeping

The following good housekeeping practices will be followed on site during the construction project:

- **Vehicle/Equipment Storage, Cleaning and Maintenance.** Construction vehicles will be inspected frequently to identify any leak, which will be repaired immediately, or the vehicle will be removed from the 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, drainageways 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 product 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.
- 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 reoccurring.
- 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:

Adam McArdle
Printed Name

WALSH CONSTRUCTION II, LLC
Contractor Name

Additional Trained Spill Prevention and Response Personnel:

Jack Botheroyd
Printed Name

WALSH CONSTRUCTION II, LLC
Contractor Name

Brad Smetana
Printed Name

WALSH CONSTRUCTION II, LLC
Contractor Name

f. Other Controls

Practices to prevent the discharge of pollutants to the storm drain system or to watercourses as a result of the creation, collection, and disposal of wastes are as follows:

- **Solid Wastes.** No solid materials, include building materials, shall be discharged into Waters of the U.S., except as authorized by a Section 404 permit. Solid waste storage areas shall be located at least 50 feet from drainage facilities and watercourses and outside of areas prone to flooding or ponding. Designate waste storage areas and provide dumpsters of sufficient size and number with lids to contain the solid waste generated by the project. In addition, provide trash receptacles in laydown yards, field trailer areas or at locations where workers congregate for lunch or break periods. Non-salvageable solid waste shall be disposed in accordance with all laws, rules, and applicable regulations.
- **Sanitary Waste Materials.** The Contractor shall not create or allow unsanitary conditions. All personnel involved with construction activities must comply with state and local sanitary or septic system regulations. Temporary sanitary facilities will be provided at the site throughout the construction phase. They must be utilized by all construction personnel and serviced by a commercial operator to maintain function and prevent unsanitary conditions. The location of sanitary facilities shall be approved by the Engineer. Portable toilets must be securely anchored and are not allowed within 30 feet of stormwater inlets or within 50' of a Water of the U.S.
- **Concrete Wastes.** Concrete washout and slurries generated from saw-cutting, coring, grinding, milling, grooving, or similar construction activities are required to be contained and are prohibited from entering storm drains or watercourses. Concrete waste management and disposal shall conform to Article 280.28 of the Illinois Tollway Supplemental Specifications.
- **Concrete Dust Particles.** Dust particles and other fine materials generated due to the use of rubblized or recycled concrete as roadway base, must be removed from stormwater prior to the water discharging outside of the Illinois Tollway ROW. This material can be removed via vegetated ditches if there is enough time and space for removal prior to the discharge of the stormwater outside the ROW. For those areas where there is not enough space and time for vegetative remediation, other methods for removing said materials will be identified. For construction areas adjacent to creeks and stream, the stormwater's pH must also be moderated prior to discharge.

Special BMPs designed to remove concrete or limestone dust particles from stormwater runoff in contact with recycled or rubblized concrete

underpavement must be removed once the stormwater discharging from the site is determined to be clean. This is often several months following completion of the project. The Contractor may have to return to the project area following project completion to remove these BMPs and restore the affected work area.

- Hazardous Material Spill Response Wastes. The Contractor shall include as part of their Spill Prevention and Control Plan a description of the procedures for the storage and disposal of regulated hazardous or toxic waste, spill response procedures, and provision for reporting if there are releases in excess of reportable quantities.

•
g. Natural Buffers

To the maximum extent practicable, a 50-foot natural buffer shall be maintained between the work area and existing wetlands.

3. Maintenance.

The following is a description of procedures that will be used to maintain, in good and effective operating conditions, vegetation, erosion and sediment control measures and other protective measures identified in this plan:

- Erosion and Sediment Control Manager (ESCM): The Contractor shall assign an ESCM to the project. This person is required to have taken an approved sediment and erosion control training course. The ESCM will be responsible for supervising the maintenance of Erosion & Sediment Control measures and implementation of this plan.
- Protection of Existing Vegetation: Replace damaged vegetation with similar species as directed by the Engineer. Restore areas disturbed, disrupted or damaged by the Contractor to pre-construction conditions or better at no additional expense to the contract. Trim any cuts, skins, scrapes or bruises to the bark of the vegetation and utilize local nursery accepted procedures to seal damaged bark. Prune all tree branches broken, severed or damaged during construction. Cut all limbs and branches, one-half inch or greater in diameter, at the base of the damage, flush with the adjacent limb or tree trunk. Smoothly cut, perpendicular to the root, all cut, broken, or severed, during construction, roots 1-inch or greater in diameter. Cover roots exposed during excavation with moist earth and/or backfill immediately to prevent roots from drying.
- Inlet Protection: Remove sediment from inlet filter baskets when basket is 25% full or 50% of the fabric pores are covered with silt. Clean filter if standing water is present longer than one hour after a rain event. Clean sediment or replace silt fence when sediment accumulates to one-third the height of the fabric. Remove trash accumulated around or on top of inlet protection device. When filter is removed for cleaning, replace fabric if any tear is present.

- Outlet Protection/Temporary Riprap: Restore dislodged protection and correct erosion that may occur. Remedy deficient areas prone to increased erosion immediately to prevent greater deficiencies.
- Temporary Ditch Checks: Remove sediment from upstream side of ditch checks when sediment has reached 50% of height of structure. Repair or replace ditch checks whenever tears, splits, unraveling or compressed excelsior is apparent. Replace torn fabric mat that may allow water to undermine ditch check. Remove debris (garbage, crop residue, etc.) when observed. Reestablish the flow over the center of the ditch check. Water or sediment going around the ditch check indicates incorrect installation. Device needs lengthening or the selected device is inappropriate for site conditions. Remove ditch checks once all upslope areas are stabilized and seed or otherwise stabilize temporary ditch check areas.
- Temporary Erosion Control Seeding: Reapply seed if stabilization hasn't been achieved. Apply temporary mulch or erosion control blanket to hold seed in place if seed has been washed away or found to be concentrated in ditch bottoms. Restore rills as quickly as possible on slopes steeper than 1V:4H to prevent sheet-flow from becoming concentrated flow patterns. Mow, if necessary, to promote seed soil contact when excessive weed development occurs (a common indication of ineffective temporary seeding). Supplement seed if weather conditions (extreme heat or cold) are not conducive to germination.
- Culvert Inlet Protection: Clean basin of silt when wet storage becomes 50% full. Restore the basin to its original design dimensions. Replace any riprap displaced from the Culvert Inlet Protection. Remove any accumulated sediment, trash, or debris from the outlet.
- Silt Fence: Repair tears, gaps or undermining. Restore leaning silt fence and ensure taut. Repair or replace any missing or broken stakes immediately. Clean fence line if sediment reaches one-third height of barrier. Remove fence once final stabilization is established. Repair fence if undermining occurs anywhere along its entire length.
- Temporary Stabilized Construction Entrances: Replenish stone or replace exit if vehicles continue to track sediment onto the roadway from the construction site. Sweep sediment on roadway and gutters from construction activities immediately. Ensure culverts are free from damage and inlets have Inlet Protection.
- Mulch: Repair straw if blown or washed away, or if hydraulic mulch washes away. Place tackifier or an Erosion Control Blanket if mulch does not control erosion.
- Stockpile Management: Repair and/or replace perimeter controls and stabilization measures when stockpile material has potential to be discharged or leave the limits of the protection. Remove all off-tracked material by sweeping or other methods. Update the SWPPP any time a stockpile location

has been removed, relocated, added or required maintenance. During summer months, stockpiles should be watered to maintain the cover crop.

- Erosion Control Blanket: Repair damage due to water running beneath the blanket and restore blanket when displacement occurs. Reseeding may be necessary. Replace all displaced blanket and re-staple.
- Dewatering: Ensure proper operation and compliance with permits or water quality standards. Remove accumulated sediment from the flow area. Dispose of sediment in accordance with all applicable laws and regulations. Remove and replace dewatering bags when half full of sediment or when discharge rate is impractical. Immediately stop discharge if receiving areas show signs of cloudy water, erosion, or sediment accumulation.
- Temporary Concrete Washout: Do not discharge wastewater into the environment (Note: acidity, not particulates, is environmentally detrimental). Facilitate evaporation of low volume washout water. Clean and remove any discharges within 24 hours of discovery. If effluent cannot be removed prior to anticipated rainfall event, place and secure a non-collapsing, non-water collecting cover over the washout facility to prevent accumulation and precipitation overflow. Replace damaged liner immediately. Remove washout when no longer needed and restore disturbed areas to original condition. Properly dispose of solidified concrete waste.
- Material Delivery & Storage: Document the various types of materials delivered and their storage locations in the SWPPP. Update the SWPPP any time significant changes occur to material storage or handling locations and when they have been removed. Cleanup spills immediately. Remove empty containers.
- Solid Waste Management: Designate a waste collection area(s) and identify them in the SWPPP. Inspect inlets, outfalls and drainageways for litter, debris, containers, etc. Observe the construction site for improper waste disposal. Update the SWPPP any time the trash management plan significantly changes. Correct items discarded outside of designated areas
- Vehicle and Equipment Fueling, Cleaning and Maintenance: Cleanup spills immediately. Contractor must provide documentation that spills were cleaned, materials disposed of, and impacts mitigated. Update the SWPPP when designated location has been removed, relocated, added or requires maintenance. In the event of a spill into a storm drain, waterway or onto a paved surface, the owner of the fuel must immediately take action to contain the spill. Once contained, clean up the spill. As an initial step this may involve collecting any bulk material and placing it in a secure container for later disposal. Follow-up cleaning will also be required to remove residues from paved or other hard surfaces.
- Portable restroom facilities: Maintain in accordance with applicable laws and locate to prevent discharge into inlets, ditches, detention basins and watercourses.

4. Inspections and Corrective Actions.

The Engineer will be responsible for conducting inspections. The Contractor shall be notified when inspections are to take place and shall have a representative present during the inspection. A maintenance inspection report will be completed after each inspection. A copy of the report form is to be completed by the inspector and to be maintained on site.

Qualified personnel shall inspect disturbed areas of the construction site which have not been finally stabilized, structural control measures, and locations where vehicles enter or exit the site. Such inspection shall be conducted at least once every seven (7) calendar days and within 24 hours of the end of a storm that is 0.5 inches or greater or the equivalent snowfall. Inspections may be reduced to once per month when construction activities have ceased due to frozen conditions. Weekly inspections shall recommence when construction activities are resumed.

- a. Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure that they are operating correctly. If repair is necessary, it will be initiated within 24 hours of the completion of the inspection report. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of off-site sediment tracking.

If the inspections determine concrete fines are discharging as a result of roadway reconstruction, the Contractor must ensure that the discharge does not exit the right-of-way. The Engineer will immediately test the pH levels of the affected discharge runoff to determine the average pH levels. Where pH levels exceed 9.0, the Engineer will recommend remediation strategy to reduce the alkalinity to acceptable levels before allowing to exit the right-of-way or discharge to environmentally sensitive locations.

- b. Based on the results of the inspection, the description of potential pollutant sources identified in section 1 above, and pollution prevention measures identified in section 2 above, the Storm Water Pollution Prevention Plan shall be revised as appropriate as soon as practicable after such inspection. Any changes to this plan resulting from the required inspections shall be implemented within seven (7) calendar days following the inspection.
- c. A report summarizing the scope of the inspection, name(s), qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of this Storm Water Pollution Prevention Plan, and actions taken in accordance with section 4.b. shall be made and retained as part of the plan for at least three (3) years after the date of the inspection. The report shall be signed in accordance with

Part VI.G of the general permit.

- d. 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 storm water) exiting the right-of-way or to receiving waters, the Engineer will immediately report the incident to the Illinois Tollway Environmental Unit and shall be submitted electronically on the Incidence of Non-Compliance (ION) forms provided by IEPA within 12 hours.

Reports of ION violations of the SWPPP and illicit discharges should 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 days summarizing the incident/s and actions taken.

- e. Corrective action shall be taken to address any of the following conditions if identified at the site: a stormwater control needs repair or replacement; a stormwater control necessary to comply with the requirements of this permit was never installed or was installed incorrectly; or discharges are causing an exceedance of applicable water quality standards; or a prohibited discharge has occurred.

Corrective actions shall be completed as soon as possible and documented within 7 days of the non-compliance in an inspection report. If it is infeasible to complete the installation or repair within seven (7) calendar days, the inspection report(s) will describe the conditions contributing to the infeasibility to complete the installation or repair within the 7-day timeframe and document the schedule for installing the stormwater control(s) and making them operational as soon as feasible after the 7-day timeframe.

5. Non-Storm Water Discharges.

The following allowable non-stormwater discharges may combine with stormwater discharges that are treated by the measures included in this plan and are anticipated on the project:

Allowable Non-Stormwater Discharges	Likely to be Present on the Site	
	Yes	No
Waters used to wash vehicles where detergents are not used	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Waters used to control dust	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless spilled materials have been removed) and where detergents are not used	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Allowable Non-Stormwater Discharges	Likely to be Present on the Site	
	Yes	No
Landscape irrigation drainages	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Uncontaminated groundwater or spring water	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Foundation or footing drains where flows are not contaminated with process materials, such as solvents	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Potable water sources including uncontaminated water main or fire hydrant flushing water	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Discharges from dewatering of trenches and excavations if managed by appropriate controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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:

- A written work plan, along with an associated schematic and narrative, shall be submitted by the Contractor for approval by the Engineer showing non-stormwater discharges that are anticipated to occur and the method(s) for reducing non-stormwater discharges.

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.**

GASOLINE	
DIESEL FUEL	
MOTOR OIL	
CURING COMPOUND	
HYDRAULIC FLUID	

7. Contractor Required Submittals.

The Contractor 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 and 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.

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 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.

- IDOT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) and USE/WASTE REVIEW(BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 of the SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- The contractor should provide to the RE a plan to ensure that a stabilized flow line will be provided during storm sewer construction. The use of a stabilized flow line between installed storm sewer and open disturbance will reduce the potential for the offsite discharge of sediment-bearing waters, especially when rain is forecasted, so that flow will not erode. Lack of approved plan or failure to comply will result in an ESC Deficiency deduction.

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 Tri-State Tollway Marked I-294

Section M.P. 30.9 to M.P. 31.8 (I-294) Project No. I-19-4496

County Cook and DuPage

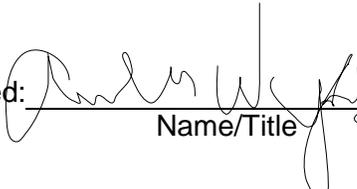
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage 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: JACOBS
DESIGN SECTION ENGINEER

By: Matthew G Rempfer P.E. / Project Manager
Name/Title

Dated: 8-6-2020

OWNER: ILLINOIS STATE TOLL HIGHWAY AUTHORITY

Signed:  Environmental Planner
Name/Title

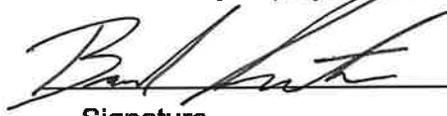
CONTRACTOR CERTIFICATION STATEMENT

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 Tri-State Tollway Marked I-294
Section M.P. 30.9 to M.P. 31.8 (I-294) Project No. I-19-4496
County Cook and 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.

 07/20/2020
Signature Date

PROJECT MANAGER
Title

WALSH CONSTRUCTION II, LLC
Name of Firm

929 WEST ADAMS STREET
Street Address

CHICAGO IL 60607
City State Zip Code

412-475-5246
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.



ISHTA Contract Number: I-19-4496

Project: I-294 Ramp J Roadway and Bridge Construction

Prepared By: Walsh Construction Company II, LLC

929 West Adams Street, Chicago, IL 60607

Date: July 20, 2020

EROSION CONTROL PLAN

Construction, maintenance and removal of erosion control items will be performed utilizing the erosion control and landscaping items included in the Contract and shown on the below referenced plans/schedules.

- Landscape Schedule: LPS-01 (DWG. 280)
- Landscape Plans: LPN-01 - LP-06A (DWG. 273 - 279A)
- Erosion and Sediment Control Plan: ECN-01 (DWG. 281)
- Temp Drainage Schedule: TDS-01 (DWG. 282)
- Erosion Control Plans: EC-01 - E10C (DWG. 65-70), ECD-01 (DWG. 293), & ECS-01 (DWG. 294)

These measures will be constructed in accordance with the attached Contract Specifications, Illinois Tollway Supplemental Specifications, Illinois Tollway Standard Drawing K1-08 Temporary Erosion and Sediment Controls, and the attached Contract Plans. Additional work types may also be needed and will be completed utilizing the Contract Allowance for Unforeseen Erosion Control Measures.

The attached plans will be utilized as a guide. Locations and types of measures will be established through agreement between the Engineer and Contractor through the Erosion Control Pre-Construction Meeting, Site Meetings, and Inspections as the project progresses. Super silt fence, ditch checks, inlet protection and similar measures will be placed prior to stormwater leaving the construction limits. Inlet protection will also be placed at locations adjacent to the work zone. Areas within the work zone will be permanently stabilized once work in an area is complete with seeding and erosion control or heavy erosion control blanket. Temporary stabilization will occur as needed for suspended work operations in accordance with attached S.P. 111. Additional measures may be required outside of the limits shown on the plans in the areas of utility work.

Minimal chemical materials are anticipated to be stored on site. The chemical types anticipated to be utilized for this project are limited to fuels and lubricants to be utilized for the equipment. Fuel will be delivered daily. Embankment modification materials will be delivered at the time of work and will not be stored on site. Lubricants will be stored in locked Conex boxes along with tools and materials needed for the project. Handling of chemical materials will be limited to personal trained in the handling of these materials. Any spills will be reported to the project manager and safety personnel who will verify the clean-up procedures and necessary reporting. Equipment maintenance will occur on-site by trained mechanics carrying the necessary fluids in their mechanic trucks. Dumpsters and portable restroom facilities will be available on site. Dewatering is anticipated. Any pumps will discharge through sediment filter bags. Filter bags will be placed in vegetated areas whenever possible.

Walsh Contact - Erosion Control: Brad Smetana

(412) 475-5246

bsmetana@walshgroup.com

The following items will be used in accordance with the attached erosion and sediment control plan where applicable:

Item Number	Description	Quantity	Units
J1251005	Erosion Control Blanket, Short-Term	257,004	SQ. YARD
J1664615	Temporary Chain Link Fence 8' Screening, Type 1	1,464	FOOT
JS107360	Dust Control Watering	14,418	\$
JS280020	Management of Erosion and Sediment Control	20	MONTHS
JS280040	Erosion and Sediment Control Cleanout	81	CU. YARD
JS280050	Silt Fence	15,648	FOOT
JS280051	Re-Erect Silt Fence	3,260	FOOT
JS280070	Stabilized Construction Entrance	3,473	SQ. YARD
JS280100	Super Silt Fence	1,320	FOOT
JS280140	Temporary Riprap	224	TON
JS280151	Same-Day Stabilization	214,170	SQ. YARD
JS280180	Rectangular Inlet Protection	16	EACH
JS280205	Filter Fabric Inlet Protection, Cover Type	5	EACH
JS280210	Filter Fabric Inlet Protection, Basket Type	135	EACH
JS280305	Temporary Ditch Checks	1,356	FOOT
JT154016	Allowance for Unforeseen Erosion Control Measures	50,000	\$
JT280500	Sediment Filter Bag	50	EACH
JT280510	Floc Log	150	EACH
JT280530	In-Line Flocculation System	10	EACH
X2501850	Seeding, Class 7 (Modified)	54	ACRE

Erosion Control Plan Outline
Sheet EC-01 through EC-10C

LANDSCAPE GENERAL NOTES

(ILLINOIS STATE TOLL HIGHWAY AUTHORITY)

1. DURING CROSSROAD CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ADJACENT TRAFFIC LANES OPEN TO TRAFFIC FROM DEBRIS BEING BLOWN OR OTHERWISE REMOVED FROM THE CONSTRUCTION AREAS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR KEEPING DEBRIS OFF OF THE ADJACENT TRAVELED LANE SURFACE. STREET SWEEPING, AS SPECIFIED BY THE ENGINEER, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

2. POLLUTION CONTROL: THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER AND NOISE POLLUTION. THE CONTRACTOR WILL NOT BE ALLOWED TO BUILD FIRES ON THE SITE.

3. FLUORESCENT VESTS AND HARD HATS: ALL CONSTRUCTION PERSONNEL WILL BE REQUIRED TO WEAR FLUORESCENT ORANGE, FLUORESCENT YELLOW/GREEN, OR A COMBINATION OF FLUORESCENT ORANGE AND FLUORESCENT YELLOW/GREEN VESTS AND HARD HATS AT ALL TIMES WHILE ON THE CONSTRUCTION SITE. COMPLIANCE WITH THIS REQUIREMENT SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT.

4. THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO FULL SIZE PLANS AND NOT TO THE REDUCED SIZE PLANS. SCALE BARS ARE PROVIDED ON APPLICABLE SHEETS.

5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT; SPECIFICALLY AS THEY RELATE TO LUMP SUM PAY ITEMS.

6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.

7. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP AN OFFICE OR YARD ON THE TOLLWAY PROPERTY WITHOUT WRITTEN APPROVAL FROM THE CHIEF ENGINEER OF THE AUTHORITY.

8. THE APPROXIMATE LOCATIONS OF KNOWN UTILITIES ARE SHOWN ON THE PLANS, HOWEVER, THE AUTHORITY DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THESE UTILITIES AND THE EXISTENCE AND LOCATION OF ANY UTILITIES NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL CALL J.U.L.I.E. (800-892-0123) 48 HOURS BEFORE ANY DIGGING OPERATION.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AND/OR THE OWNER. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.

10. WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS CONSTRICTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORK DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

11. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES TO CAPTURE ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING OPERATION, IF NECESSARY, ALONG WITH A TEMPORARY OUTLET, AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. THIS WORK WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

12. COOPERATION WITH UTILITIES: THE CONTRACTOR SHALL, IN ACCORDANCE WITH ARTICLE 105.07 OF THE TOLLWAY SUPPLEMENTAL SPECIFICATIONS, COORDINATE ALL WORK INVOLVING EXISTING OR PROPOSED UTILITIES. THE FOLLOWING AGENCIES AND REPRESENTATIVES HAVE BEEN CONTACTED IN REFERENCE TO THIS CONTRACT AND PERTINENT UTILITY INFORMATION HAS BEEN INCORPORATED INTO THESE PLANS. ADDITIONAL INQUIRIES AND COMMUNICATIONS MAY BE DIRECTED TO:

Illinois Tollway
2700 Ogden Avenue
Downers Grove, IL 60515
Mike Wicks
Project Manager
(630) 241-6800
Bryan Wagner
Environmental Policy & Program Manager
(630)-241-6800 Ext. 3872

IDOT
201 West Center Court
Schaumburg, IL 60196-1096
Kalpana Kannan-Hosadurga
Arterial Traffic Control Supervisor
(847) 705-4155
Carlos Munoz
Expressway Traffic Control Supervisor
(847) 705-4155

AT&T Distribution
1000 Commerce Drive
Oak Brook, IL
Alex Bryant
(630) 573-6456
ab8652@att.com

AT&T Transmission (LNS)
4515 Western Avenue
Lisle, IL 60532
Bobby Akhter
(630) 719-1483
Ba3817@us.att.com

**Chicago, Central & Pacific Railroad Company
And Its Parents**
For All Communications Except Right of Entry
Nick Burwell
1006 East 4th Street
Waterloo, IA 50703
(319) 236-9205
For All Communications Related to Right of Entry
Thomas L. Basseur
700 Pershing Road
Pontiac, MI 48340
(715) 544-9145
thomas.brasseur@cn.ca

Comcast
688 Industrial Drive
Elmhurst, IL 60126
Robert Schullter
(630) 600-6316
bob_schullter@cable.comcast.com

ComEd - Distribution
One Lincoln Center, Suite 600
Oakbrook Terrace, IL 60181
Scott Kerr
(708) 280-3044
scott.kerr@comed.com

Crown Castle
947 Parkview Boulevard
Lombard, IL 60148
Mike Kyriazakos
(630) 480-5199
michael.kyriazakos@crowncastle.com

DuPage Water Commission
600 E. Butterfield Road
Elmhurst, IL
Ken Niles
(630) 834-0100
niles@dpuwc.com

MCI-Verizon
2400 North Genville Drive
Richardson, Texas 75082
Joe Chaney
(312) 617-2131
joe.chaney@verizon.com

Nicor Gas
1844 Ferry Road
Naperville, IL 60563
Bruce Koppang
(630) 388-3046
bkoppang@southernco.com

Zayo Group
1821 30th Street, Unit A
Boulder, CO 80301
Tim Payment
(630) 203-8003
tim.payment@zayo.com

Village of Berkeley
5819 Electric Avenue
Berkeley, IL 60163
Joe Wagner
(708) 449-8840
jwagner@berkeley.il.us

Village of Hillside
Department of Public Works
4151 May Street
Hillside, IL 60162
Joseph Pisano
(708) 202-3434

J.U.L.I.E.
Joint Utility Locating And Information
For Excavators
(800) 892-0123

13. THE STANDARD DRAWINGS LISTED IN THE PLANS SHEET INDEX ARE INTENDED TO BE THE LATEST REVISIONS AND SHALL TAKE PRECEDENCE OVER EARLIER REVISIONS THAT MAY BE REFERRED TO ELSEWHERE IN THE PLANS OR SPECIAL PROVISIONS.

14. ALL FRAMES AND GRATES, SIGNS, FENCES, AND DELINEATORS DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION WILL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

15. NIGHT OPERATIONS: WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE UTMOST PRECAUTION IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AS WELL AS THE ADJOINING RESIDENTIAL AREAS.

16. WHERE SECTION, SUB-SECTION MONUMENTS OR BENCH MARKS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY NAILS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

17. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS AND WRITTEN AUTHORIZATIONS FROM IDOT FOR CONSTRUCTION ABOVE, ADJACENT TO, AND ON ROADWAYS WITHIN THEIR JURISDICTION.

18. ALL ELEVATIONS ARE BASED UPON THE DATUM AND BENCHMARKS FOR THE PROJECT AS DESCRIBED ON THE PLANS.

19. THE CONTRACTOR SHALL BE MADE AWARE THAT ALL CONSTRUCTION VEHICLES SHALL BE LIMITED TO 15-FEET ABOVE EXISTING GRADE WHILE CROSSING UNDER COMMONWEALTH EDISON TRANSMISSION LINES.

20. THE CONTRACTOR SHALL NOTIFY THE AGENCIES AND UTILITIES AT LEAST 10 DAYS PRIOR TO ANY CONSTRUCTION IN THE AREA AND SHALL COMPLY WITH ALL RESTRICTIONS FOR EQUIPMENT MOVEMENTS AND CLEARANCES WITH REGARD TO THEIR RESPECTIVE FACILITIES.

21. THE CONTRACTOR'S OPERATIONS AND TEMPORARY STORAGE ACTIVITIES SHALL BE LIMITED TO THE WORK AREA AND/OR CONSTRUCTION LIMITS. ANY ADDITIONAL STAGING AREAS ADJACENT TO THE PROJECT ARE SUBJECT TO PRIOR APPROVAL BY THE APPROPRIATE AGENCY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR COMPLIANCE WITH THE ABOVE REQUIREMENTS.

22. FENCE: EXISTING FENCE THAT HAS TO BE DISCONNECTED AND/OR REMOVED FOR THE CONTRACTOR'S OPERATION SHALL BE RECONNECTED AND/OR REPLACED BY THE CONTRACTOR IN-KIND AT NO ADDITIONAL COST TO THE TOLLWAY. TEMPORARY FENCE SHOULD BE INSTALLED IF EXISTING FENCE IS TO BE REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 664 OF THE STANDARD SPECIFICATIONS. ANY RIGHT-OF-WAY MARKERS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHOULD BE RE-ESTABLISHED BY A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.

23. RESTORATION OF THE PROJECT WILL BE COMPLETED TO THE SATISFACTION OF THE ILLINOIS TOLLWAY AND APPROPRIATE GOVERNING AGENCIES BEFORE PAYMENT IS MADE TO THE CONTRACTOR. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE OVERALL PROJECT COST AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

24. COORDINATION OF MAINTENANCE OF TRAFFIC: THE ATTENTION OF THE CONTRACTOR IS DIRECTED TO THE FACT THAT OTHER SEPARATE CONTRACTS WILL BE IN FORCE THAT INTERSECT THE LIMITS OF THIS PROJECT. THE CONTRACTOR SHALL COOPERATE WITH THE OTHER CONTRACTORS IN THE PHASING AND PERFORMANCE OF THIS WORK SO AS NOT TO DELAY, INTERRUPT OR HINDER THE PROGRESS OR COMPLETION OF THE WORK BEING PERFORMED BY OTHER CONTRACTORS. SHOULD A CONFLICT ARISE BETWEEN THE CONTRACTOR WITH RESPECT TO SEQUENCE OF CONSTRUCTION OR MAINTENANCE OF TRAFFIC REQUIREMENTS, SAID CONFLICTS SHALL BE RESOLVED BY, OR AT THE DIRECTION OF, THE ENGINEER.

25. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE TOLLWAY ELECTRICIAN AT LEAST 10 DAYS IN ADVANCE OF ANY CONSTRUCTION NEAR TOLLWAY OWNED ELECTRICAL, COMMUNICATIONS OR TRAFFIC CONTROL CABLES. TOLLWAY ELECTRICIANS WILL LOCATE ANY POSSIBLE INTERFERING CABLES. ANY BURIED CABLE AT OR NEAR A PROPOSED CONSTRUCTION LOCATION SHALL FIRST BE EXPOSED BY THE CONTRACTOR BY HAND DIGGING. ONCE EXPOSED, AND IF THE ENGINEER DETERMINES THERE IS A CONFLICT, THE TOLLWAY ELECTRICIANS SHALL RELOCATE THE CABLES. IF THE CONTRACTOR CUTS OR DAMAGES ANY CABLES, EITHER THROUGH CARELESSNESS OR FAILURE TO FOLLOW THE ABOVE PROCEDURE, THE CONTRACTOR SHALL THEN BE HELD RESPONSIBLE FOR THE REPAIRING OF ALL DAMAGES AT THE CONTRACTOR'S EXPENSE, AND TO THE SATISFACTION OF THE TOLLWAY. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. TOLLWAY ELECTRICAL LOCATES SHALL BE REQUESTED BY CONTACTING FRANK TOMASELLI AT 630-241-6800 x3510. TOLLWAY COMMUNICATIONS LOCATES SHALL BE REQUESTED BY CONTACTING BILL SPRINGER AT 630-241-6800 x3405.

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DRAWN BY	RBW	DATE	09/30/2019
CHECKED BY	JLC	DATE	04/13/2020



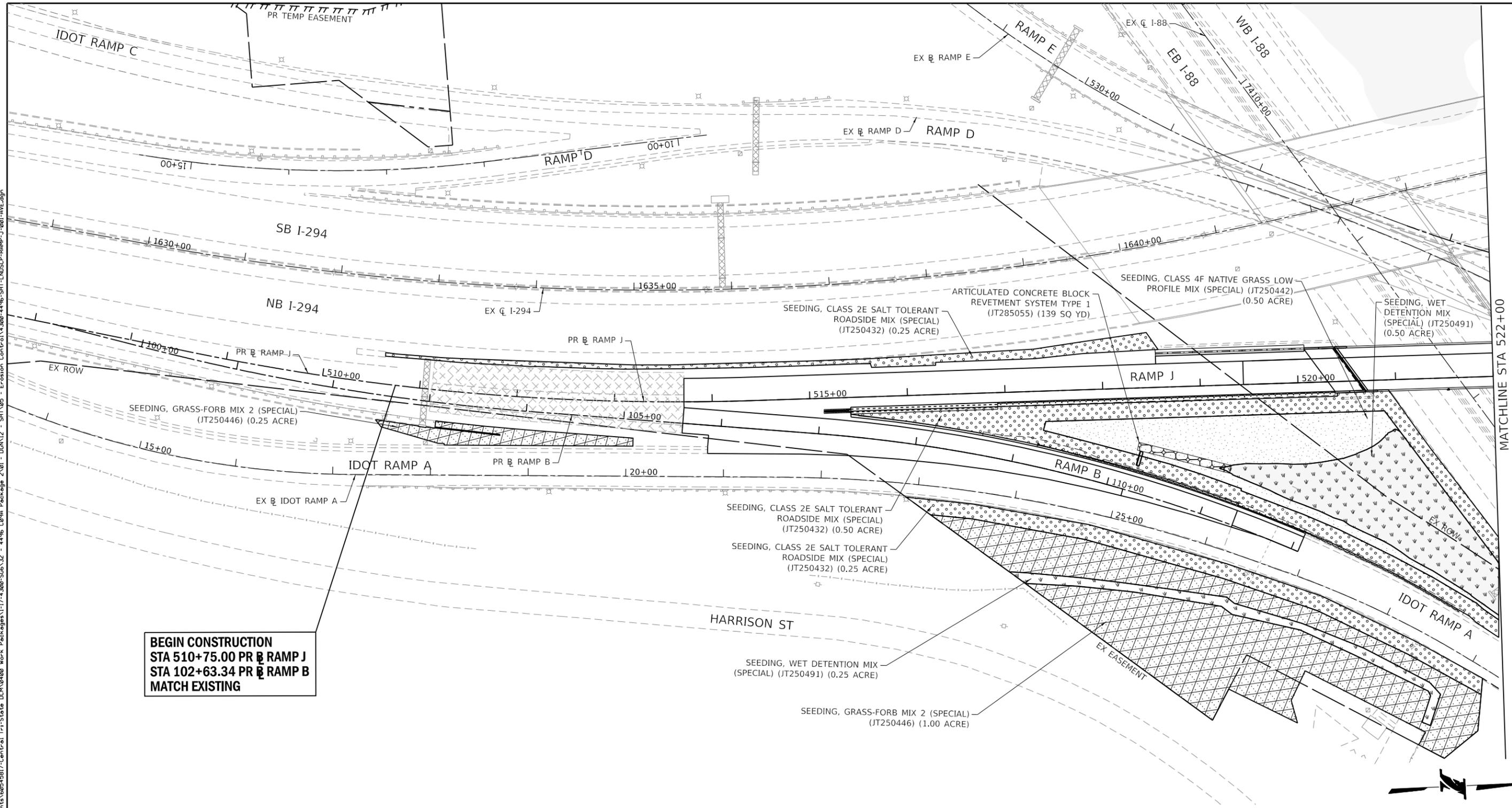
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT NO. **I-19-4496**
LANDSCAPE PLAN
GENERAL NOTES

LPN-01
DRAWING NO.
273 OF 860

PLOT DATE = 4/11/2020 PLOT TIME = 9:28:54 AM PLOT SCALE = 1/8" = 100'-00"00" / 1" FILE NAME = p:\a\ecdm-na-pm\ben\1\ecdm\1-17-1300-566\32 - 4496_C09A.Package\1-17-1300-566\32 - 4496_C09A.Package\2\01 - DGN\12 - SHT\05 - Erosion Control\1-17-1300-566-SHT-INDSCP-RAMP-J-201-AVE.dgn



BEGIN CONSTRUCTION
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STA 102+63.34 PR RAMP B
MATCH EXISTING

MATCHLINE STA 522+00

LANDSCAPE LEGEND

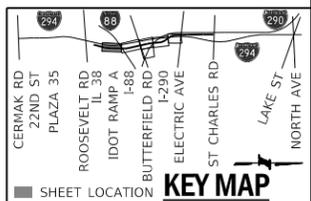
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- POTASSIUM FERTILIZER NUTRIENT (25000600)
- TOPSOIL EXCAVATION AND PLACEMENT (JI211110)*
- EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010)
- SEEDING, CLASS 2E SALT TOLERANT ROADSIDE MIX (SPECIAL) (JT250432)
- TOPSOIL EXCAVATION AND PLACEMENT (JI211110)*
- EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010)
- SEEDING, CLASS 4F NATIVE GRASS LOW PROFILE MIX (SPECIAL) (JT250442)
- TOPSOIL EXCAVATION AND PLACEMENT (JI211110)*
- EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010)
- SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
- TOPSOIL EXCAVATION AND PLACEMENT (JI211110)*
- EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010)
- SEEDING, WET DETENTION MIX (SPECIAL) (JT250491)

- BALLAST (Z0002300)
- SUB-BALLAST (Z0069700)
- ARTICULATED CONCRETE BLOCK REVETMENT SYSTEM TYPE 1 (JT285055)
- EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010)
- SEEDING, WET DETENTION MIX (SPECIAL) (JT250491)
- JURISDICTIONAL WATERWAY/WETLAND
- MOT EXISTING TEMPORARY PAVEMENT
- PROPOSED CONTRACTOR ACCESS ROAD

FENCE SYMBOL LEGEND

- RIGHT-OF-WAY FENCE, TYPE 1, 6' (JS664305)
- RIGHT-OF-WAY FENCE, TYPE 1, 6' (JS664305)
- CORNER POST, RIGHT-OF-WAY FENCE, TYPE 1 (JS664310)
- END POST, RIGHT-OF-WAY FENCE, TYPE 1 (JS664320)
- DOUBLE VEHICLE GATE, RIGHT-OF-WAY FENCE, TYPE 1 (JS664335)
- 20'TOLLWAY TYPICAL
- 15'IDOT TYPICAL

*TOPSOIL SHALL BE PLACED TO A DEPTH OF SIX (6) INCHES.



DRAWN BY RBW DATE 09/12/2019
 CHECKED BY JLC DATE 04/13/2020

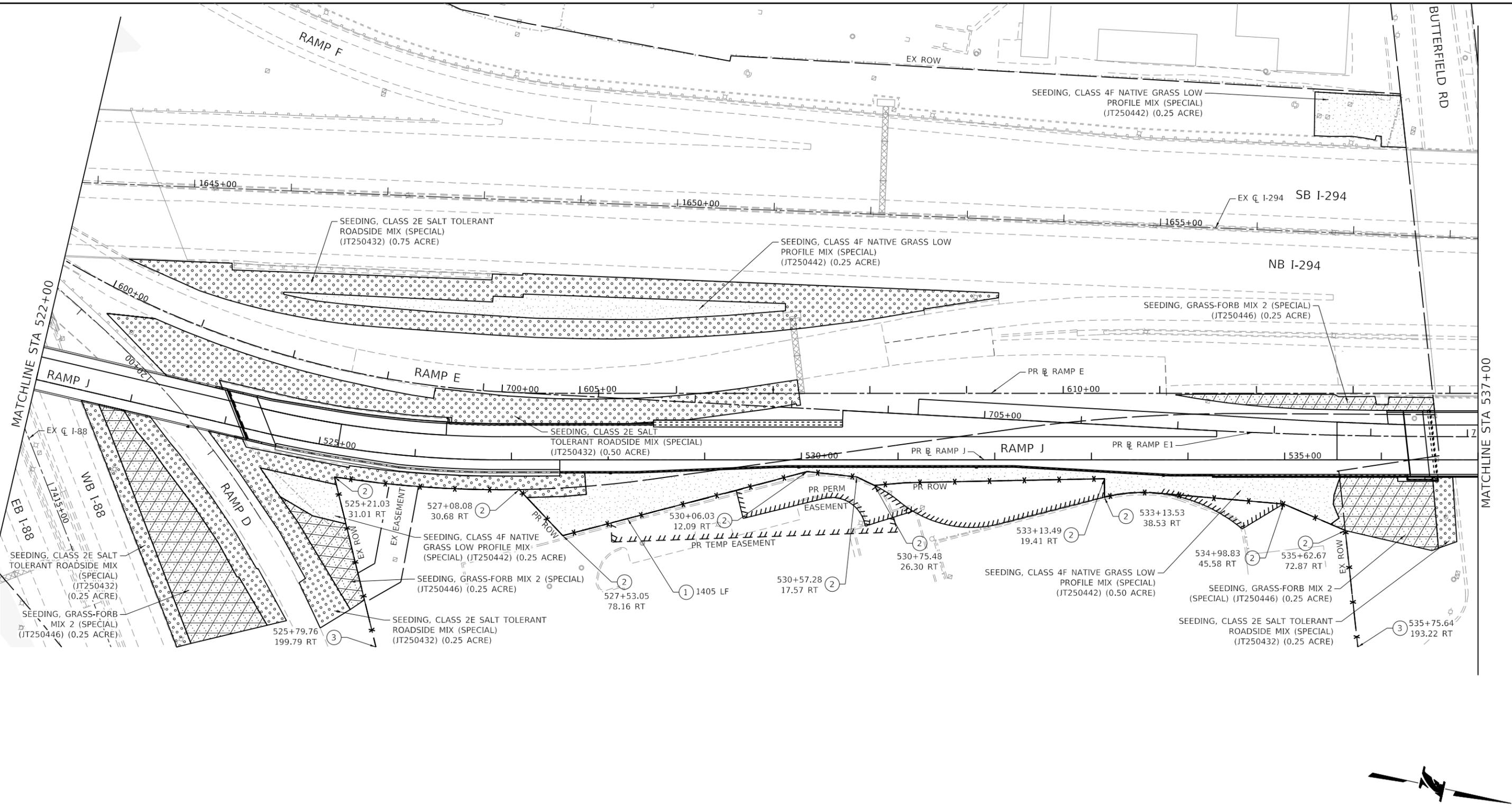


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE,
 ILLINOIS 60515

REVISIONS	
NO.	DESCRIPTION

CONTRACT NO. I-19-4496
 LANDSCAPE AND FENCING PLANS
 RAMP J - BEGIN TO STA 522+00
 LP-01
 DRAWING NO. 274 OF 860

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LANDSCAPE LEGEND

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POTASSIUM FERTILIZER NUTRIENT (25000600)
TOPSOIL EXCAVATION AND PLACEMENT (JI211110)*
EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010)
SEEDING, CLASS 2E SALT TOLERANT ROADSIDE MIX (SPECIAL) (JT250432)
- TOPSOIL EXCAVATION AND PLACEMENT (JI211110)*
EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010)
SEEDING, CLASS 4F NATIVE GRASS LOW PROFILE MIX (SPECIAL) (JT250442)
- TOPSOIL EXCAVATION AND PLACEMENT (JI211110)*
EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010)
SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
- TOPSOIL EXCAVATION AND PLACEMENT (JI211110)*
EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010)
SEEDING, WET DETENTION MIX (SPECIAL) (JT250491)

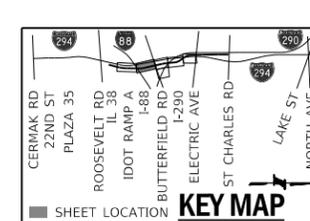
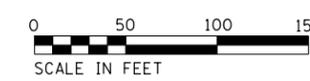
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SUB-BALLAST (Z0069700)
- ARTICULATED CONCRETE BLOCK RETENTION SYSTEM TYPE 1 (JT285055)
EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010)
SEEDING, WET DETENTION MIX (SPECIAL) (JT250491)
- JURISDICTIONAL WATERWAY/WETLAND
- MOT EXISTING TEMPORARY PAVEMENT
- PROPOSED CONTRACTOR ACCESS ROAD

FENCE SYMBOL LEGEND

- RIGHT-OF-WAY FENCE, TYPE 1, 6' (JS664305)
- ① RIGHT-OF-WAY FENCE, TYPE 1, 6' (JS664305)
- ② CORNER POST, RIGHT-OF-WAY FENCE, TYPE 1 (JS664310)
- ③ END POST, RIGHT-OF-WAY FENCE, TYPE 1 (JS664320)
- ④ DOUBLE VEHICLE GATE, RIGHT-OF-WAY FENCE, TYPE 1 (JS664335)

- 20' TOLLWAY TYPICAL
- 15' IDOT TYPICAL

*TOPSOIL SHALL BE PLACED TO A DEPTH OF SIX (6) INCHES.



DRAWN BY	RBW	DATE	09/12/2019
CHECKED BY	JLC	DATE	04/13/2020



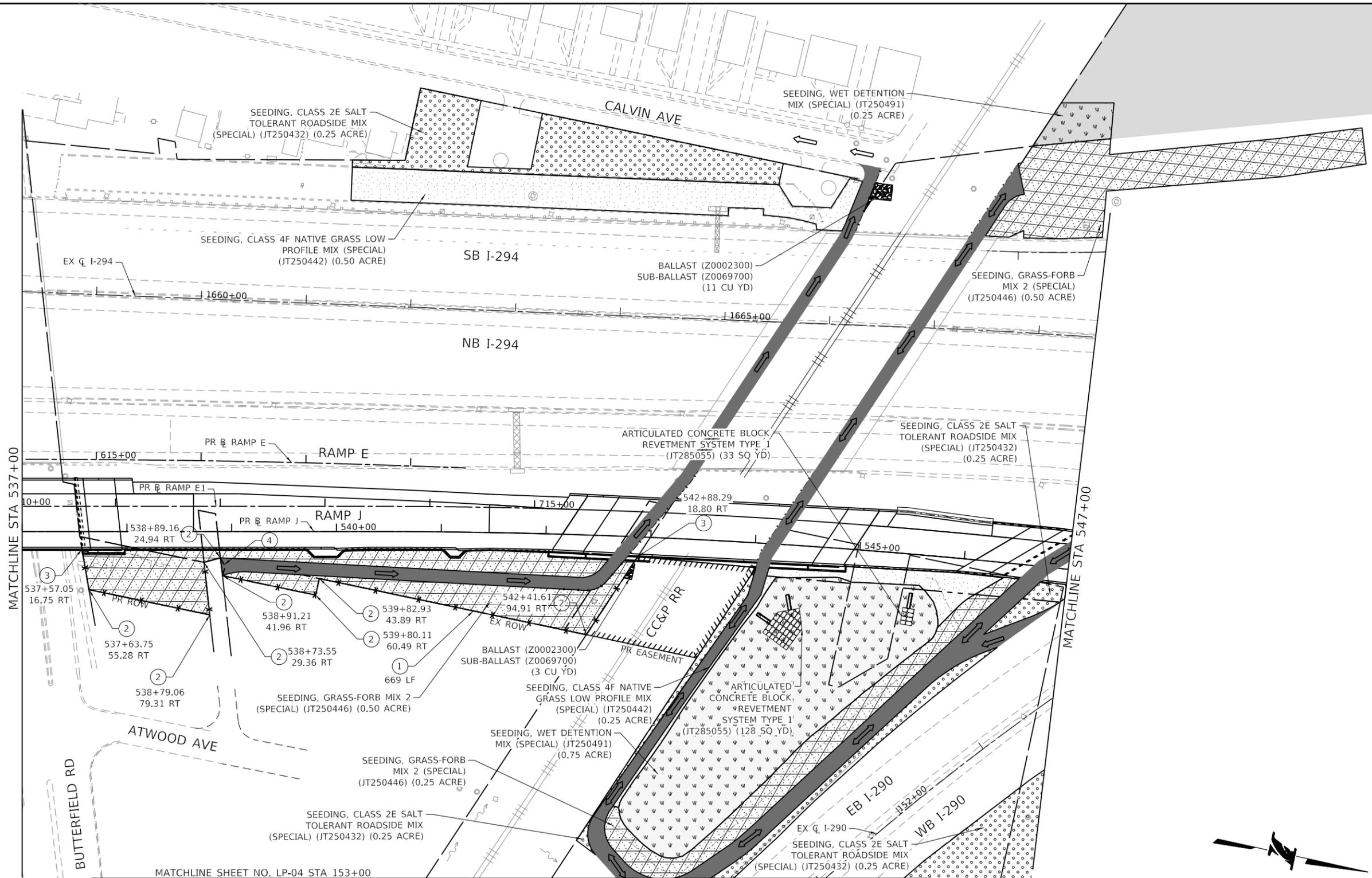
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS	
NO.	DESCRIPTION

CONTRACT NO. I-19-4496
LANDSCAPE AND FENCING PLANS
RAMP J - STA 522+00 TO STA 537+00

LP-02
DRAWING NO.
275 OF 860

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LANDSCAPE LEGEND

- NITROGEN FERTILIZER NUTRIENT (25000400)
POTASSIUM FERTILIZER NUTRIENT (25000600)
TOPSOIL EXCAVATION AND PLACEMENT (J1211110)*
EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (J1251010)
SEEDING, CLASS 2E SALT TOLERANT ROADSIDE MIX (SPECIAL) (JT250432)
- TOPSOIL EXCAVATION AND PLACEMENT (J1211110)*
EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (J1251010)
SEEDING, CLASS 4F NATIVE GRASS LOW PROFILE MIX (SPECIAL) (JT250442)
- TOPSOIL EXCAVATION AND PLACEMENT (J1211110)*
EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (J1251010)
SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
- TOPSOIL EXCAVATION AND PLACEMENT (J1211110)*
EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (J1251010)
SEEDING, WET DETENTION MIX (SPECIAL) (JT250491)

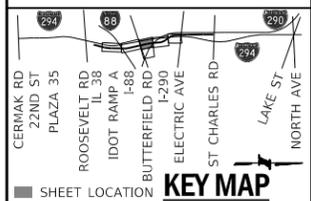
- BALLAST (Z0002300)
SUB-BALLAST (Z0069700)
- ARTICULATED CONCRETE BLOCK REVETMENT SYSTEM TYPE 1 (JT285055)
EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (J1251010)
SEEDING, WET DETENTION MIX (SPECIAL) (JT250491)
- JURISDICTIONAL WATERWAY/WETLAND
- MOT EXISTING TEMPORARY PAVEMENT
- PROPOSED CONTRACTOR ACCESS ROAD

FENCE SYMBOL LEGEND

- RIGHT-OF-WAY FENCE, TYPE 1, 6' (J5664305)
- RIGHT-OF-WAY FENCE, TYPE 1, 6' (J5664305)
- CORNER POST, RIGHT-OF-WAY FENCE, TYPE 1 (J5664310)
- END POST, RIGHT-OF-WAY FENCE, TYPE 1 (J5664320)
- DOUBLE VEHICLE GATE, RIGHT-OF-WAY FENCE, TYPE 1 (J5664335)

- 20' TOLLWAY TYPICAL
- 15' IDOT TYPICAL

*TOPSOIL SHALL BE PLACED TO A DEPTH OF SIX (6) INCHES.



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CHECKED BY	JLC	DATE	04/13/2020



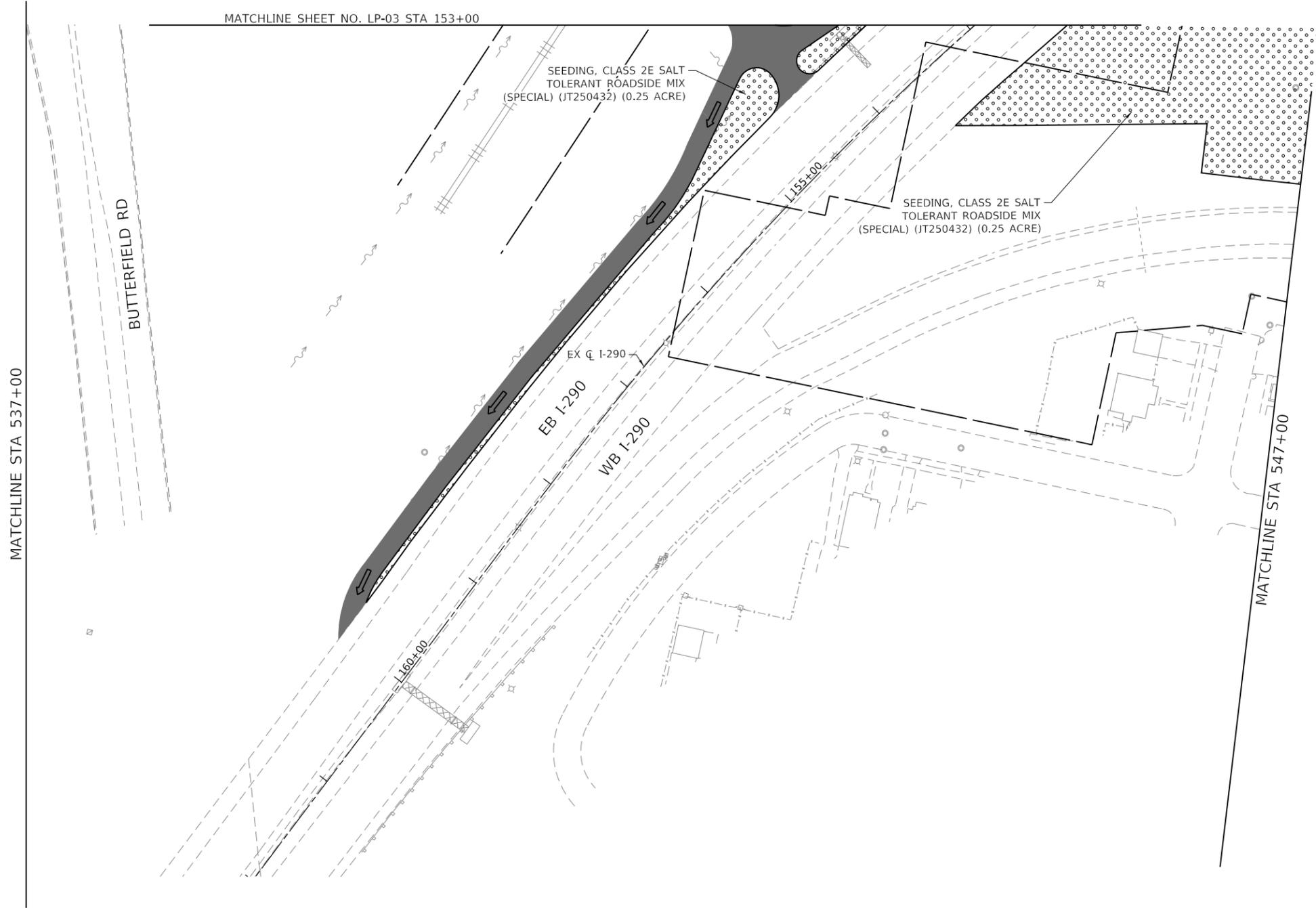
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE,
 ILLINOIS 60515

REVISIONS	
NO.	DESCRIPTION

CONTRACT NO. I-19-4496
 LANDSCAPE AND FENCING PLANS
 RAMP J - STA 537+00 TO STA 547+00

LP-03
 DRAWING NO.
 276 OF 860

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LANDSCAPE LEGEND

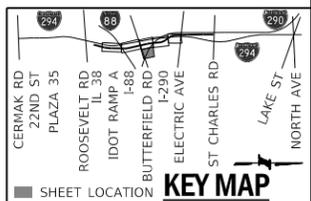
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POTASSIUM FERTILIZER NUTRIENT (25000600)
TOPSOIL EXCAVATION AND PLACEMENT (JI211110)*
EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010)
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SEEDING, WET DETENTION MIX (SPECIAL) (JT250491)

- BALLAST (Z0002300)
SUB-BALLAST (Z0069700)
- ARTICULATED CONCRETE BLOCK REVETMENT SYSTEM TYPE 1 (JT285055)
EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010)
SEEDING, WET DETENTION MIX (SPECIAL) (JT250491)
- JURISDICTIONAL WATERWAY/WETLAND
- MOT EXISTING TEMPORARY PAVEMENT
- PROPOSED CONTRACTOR ACCESS ROAD

FENCE SYMBOL LEGEND

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- CORNER POST, RIGHT-OF-WAY FENCE, TYPE 1 (JS664310)
- END POST, RIGHT-OF-WAY FENCE, TYPE 1 (JS664320)
- DOUBLE VEHICLE GATE, RIGHT-OF-WAY FENCE, TYPE 1 (JS664335)
- 20' TOLLWAY TYPICAL
- 15' IDOT TYPICAL

*TOPSOIL SHALL BE PLACED TO A DEPTH OF SIX (6) INCHES.



DRAWN BY	RBW	DATE	01/29/2020
CHECKED BY	JLC	DATE	04/13/2020



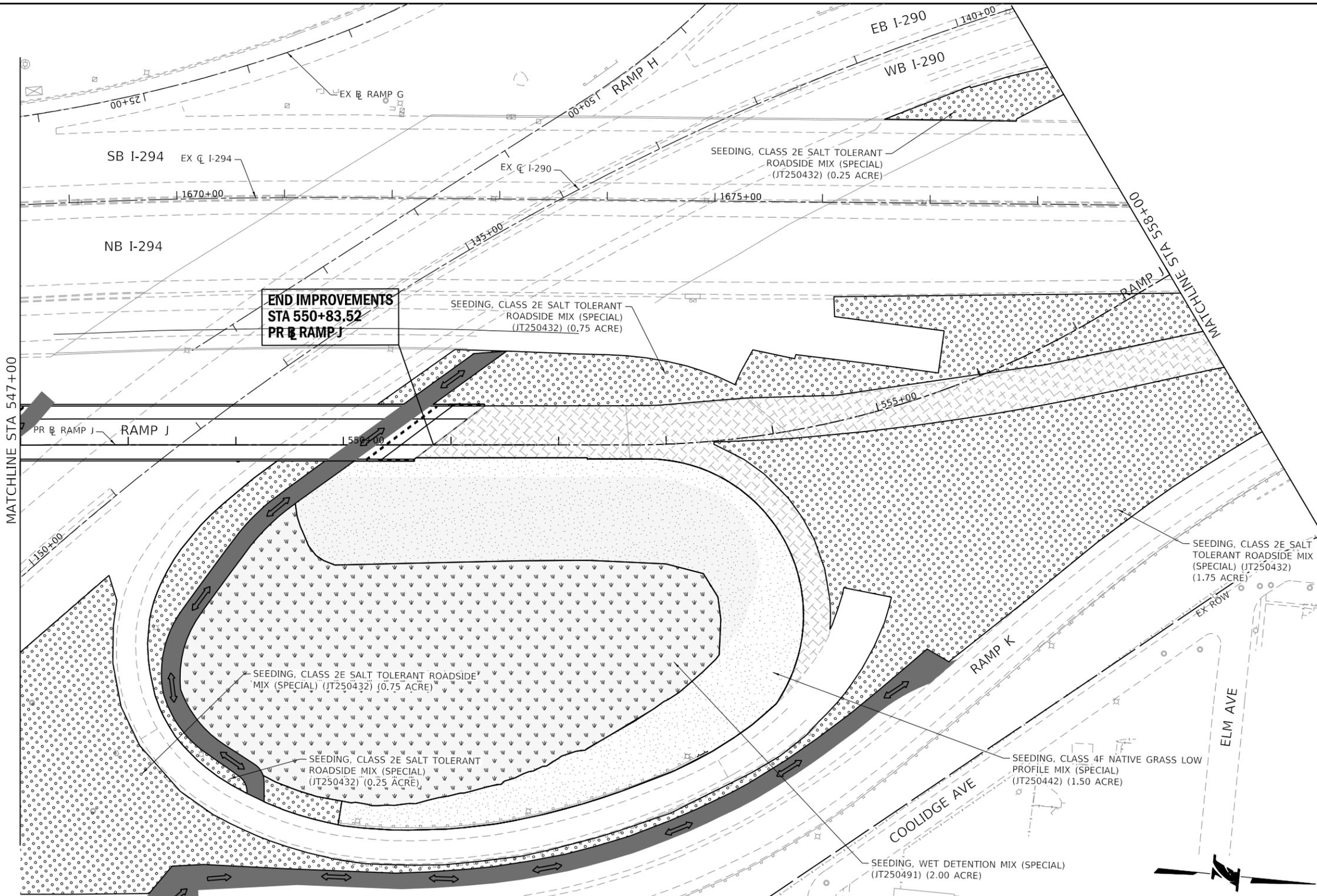
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE,
 ILLINOIS 60515

REVISIONS	
NO.	DESCRIPTION

CONTRACT NO. I-19-4496
LANDSCAPE AND FENCING PLANS
 RAMP J - STA 537+00 TO STA 547+00

LP-04
 DRAWING NO.
 277 OF 860

PLOT DATE = 4/11/2020 PLOT TIME = 9:34:49 AM PLOT SCALE = 1/8"=1'-0" FILE NAME = p:\a\ecdm-na-pm\ben\1\com\ecdm\DS16_NA\Documents\60545817-Centrol Tri-States DCM\0400 Work Packages\1-17-1300-566\32 - 4496 L09A Package 2\01 - DGN\12 - SHT\05 - Erosion Control\1-17-1300-566-SHT-LNDSCP-RAMP-J-005-AVE.dgn



LANDSCAPE LEGEND

- NITROGEN FERTILIZER NUTRIENT (25000400)
POTASSIUM FERTILIZER NUTRIENT (25000600)
- TOPSOIL EXCAVATION AND PLACEMENT (JI211110)*
EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010)
SEEDING, CLASS 2E SALT TOLERANT ROADSIDE MIX (SPECIAL) (JT250432)
- TOPSOIL EXCAVATION AND PLACEMENT (JI211110)*
EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010)
SEEDING, CLASS 4F NATIVE GRASS LOW PROFILE MIX (SPECIAL) (JT250442)
- TOPSOIL EXCAVATION AND PLACEMENT (JI211110)*
EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010)
SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
- TOPSOIL EXCAVATION AND PLACEMENT (JI211110)*
EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010)
SEEDING, WET DETENTION MIX (SPECIAL) (JT250491)

FENCE SYMBOL LEGEND

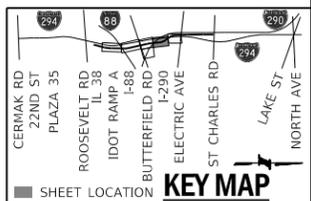
- RIGHT-OF-WAY FENCE, TYPE 1, 6' (JS664305)
- CORNER POST, RIGHT-OF-WAY FENCE, TYPE 1 (JS664310)
- END POST, RIGHT-OF-WAY FENCE, TYPE 1 (JS664320)
- DOUBLE VEHICLE GATE, RIGHT-OF-WAY FENCE, TYPE 1 (JS664335)
- BALLAST (Z0002300)
SUB-BALLAST (Z0069700)
- ARTICULATED CONCRETE BLOCK REVETMENT SYSTEM TYPE 1 (JT285055)
EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (JI251010)
SEEDING, WET DETENTION MIX (SPECIAL) (JT250491)
- JURISDICTIONAL WATERWAY/WETLAND
- MOT EXISTING TEMPORARY PAVEMENT
- PROPOSED CONTRACTOR ACCESS ROAD

REVISIONS

NO.	DATE	DESCRIPTION

- 20' TOLLWAY TYPICAL
- 15' IDOT TYPICAL

*TOPSOIL SHALL BE PLACED TO A DEPTH OF SIX (6) INCHES.



DRAWN BY	RBW	DATE	01/30/2020
CHECKED BY	JLC	DATE	04/13/2020



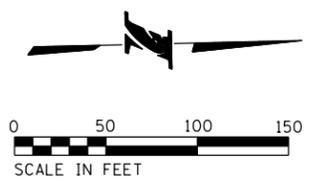
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE,
 ILLINOIS 60515

NO.	DATE	DESCRIPTION

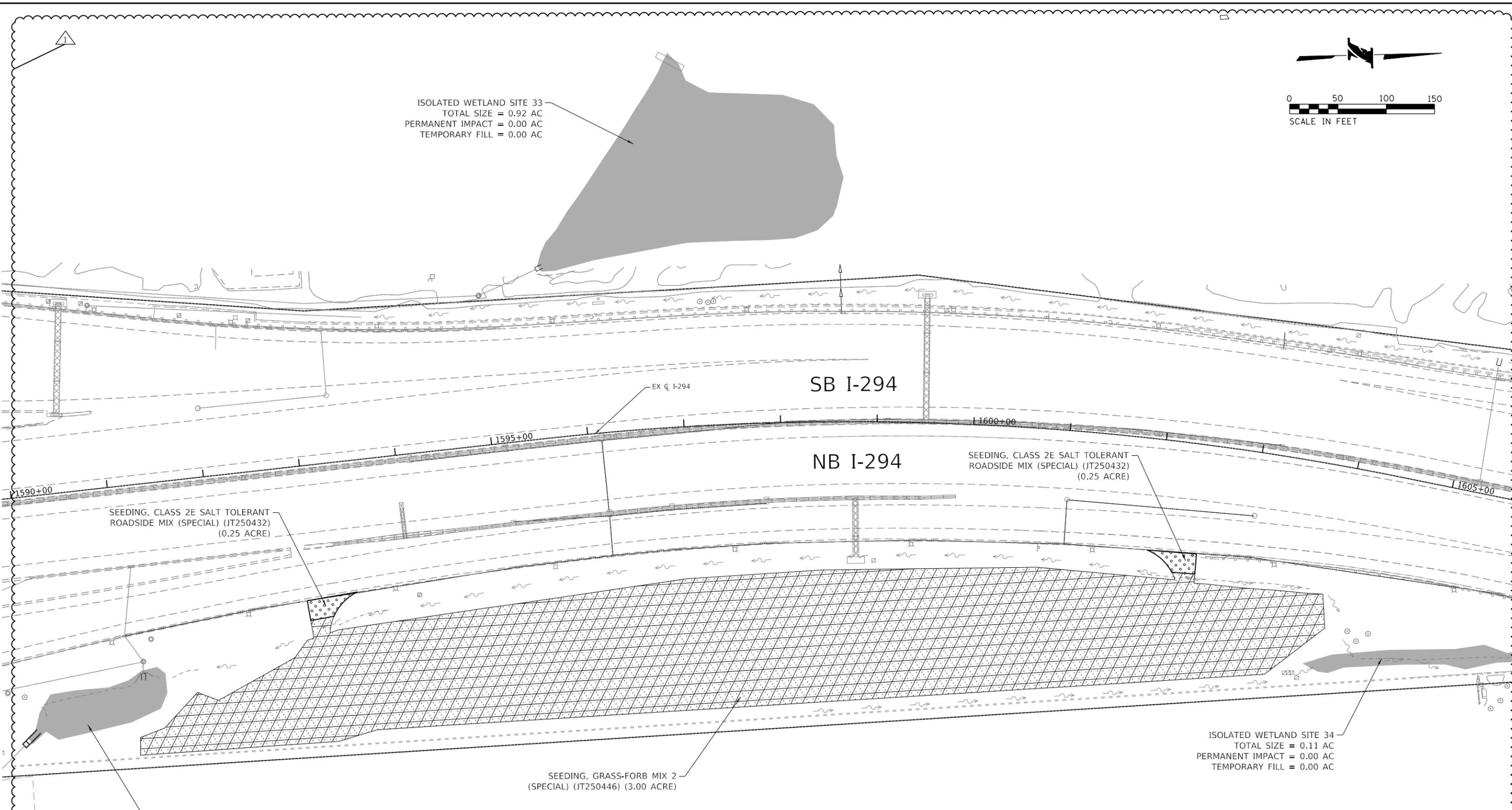
CONTRACT NO. I-19-4496
 LANDSCAPE AND FENCING PLANS
 RAMP J - STA 547+00 TO STA 558+00

LP-05
 DRAWING NO.
 278 OF 860

PLOT DATE = 5/19/2020 PLOT TIME = 3:54:41 PM PLOT SCALE = 1/8" = 100'-00" / 1" FILE NAME = p:\a\recom-na-pm\ben\proj\central-tri-state-dcm\0400-work-packages\1-17-4300-566\32 - 4496\09a\package 2\01 - dcm\12 - sht\05 - erosion_control\1424-4496-sht-landscp-pla2635-001-ave.dgn



ISOLATED WETLAND SITE 33
 TOTAL SIZE = 0.92 AC
 PERMANENT IMPACT = 0.00 AC
 TEMPORARY FILL = 0.00 AC



SEEDING, CLASS 2E SALT TOLERANT
 ROADSIDE MIX (SPECIAL) (JT250432)
 (0.25 ACRE)

SEEDING, CLASS 2E SALT TOLERANT
 ROADSIDE MIX (SPECIAL) (JT250432)
 (0.25 ACRE)

SEEDING, GRASS-FORB MIX 2
 (SPECIAL) (JT250446) (3.00 ACRE)

ISOLATED WETLAND SITE 32
 TOTAL SIZE = 0.13 AC
 PERMANENT IMPACT = 0.00 AC
 TEMPORARY FILL = 0.00 AC

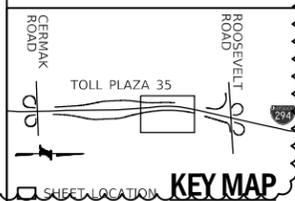
ISOLATED WETLAND SITE 34
 TOTAL SIZE = 0.11 AC
 PERMANENT IMPACT = 0.00 AC
 TEMPORARY FILL = 0.00 AC

LANDSCAPE LEGEND

- NITROGEN FERTILIZER NUTRIENT (25000400)
 POTASSIUM FERTILIZER NUTRIENT (25000600)
 TOPSOIL EXCAVATION AND PLACEMENT (IJ211110)*
 EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (IJ251010)
 SEEDING, CLASS 2E SALT TOLERANT ROADSIDE MIX (SPECIAL) (JT250432)
- TOPSOIL EXCAVATION AND PLACEMENT (IJ211110)*
 EROSION CONTROL BLANKET, BIODEGRADABLE NETTING (IJ251010)
 SEEDING, GRASS-FORB MIX 2 (SPECIAL) (JT250446)
- JURISDICTIONAL WATERWAY/WETLAND

- 20'TOLLWAY TYPICAL
- 15'IDOT TYPICAL

*TOPSOIL SHALL BE PLACED TO A DEPTH OF SIX (6) INCHES.



DRAWN BY RBW DATE 05/22/2020
 CHECKED BY JLC DATE 05/22/2020



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

REVISIONS		
NO.	DATE	DESCRIPTION
1	05/22/2020	ADDENDUM NO 1

CONTRACT NO. I-19-4496
 LANDSCAPE AND FENCING PLANS
 PLAZA 35

LP-06A
 DRAWING NO.
 279A OF 860

EROSION & SEDIMENT CONTROL GENERAL NOTES

1. FOR STANDARD EROSION AND SEDIMENT CONTROL GENERAL NOTES, SEE STANDARD K1 DRAWINGS.
2. THE CONTRACTOR SHALL REFER TO SECTION 280.02 OF THE ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS FOR PENALTIES FOR NON-CONFORMANCE.
3. THE CONTRACTOR SHALL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ENSURE THAT SOIL EROSION AND SEDIMENT CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED TO CONTROL OFF-SITE SEDIMENT DISCHARGES.
4. THE EROSION AND SEDIMENT CONTROLS SHOWN ON THE PLANS REPRESENT THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED BY THE ENGINEER OR REPRESENTATIVES OF REGULATORY OR PERMITTING AGENCIES. ANY EMERGENCY CONTROL MEASURES REQUESTED BY A REGULATORY OR PERMITTING AGENCY MUST BE INSTALLED IMMEDIATELY.
5. THE CONTRACTOR SHALL INSTALL INITIAL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO BEGINNING ANY ACTIVITIES WHICH WILL POTENTIALLY CAUSE ERODIBLE CONDITIONS.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED, EFFECTIVE, AND MAINTAINED THROUGHOUT ALL PHASES OF CONSTRUCTION, INCLUDING SHUTDOWN PERIODS.
7. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS, AND THE USE OF TEMPORARY AND/OR PERMANENT MEASURES. TO THE MAXIMUM EXTENT POSSIBLE, EROSION SHALL BE MINIMIZED AT ITS SOURCE.
8. SHOULD IT BE NECESSARY TO REMOVE ANY EROSION OR SEDIMENT CONTROLS FOR CONSTRUCTION REASONS, THE CONTRACTOR SHALL FIRST OBTAIN PERMISSION FROM THE ENGINEER AND SHALL REPAIR OR REPLACE THE REMOVED CONTROLS THE SAME DAY. THE COST OF REMOVING AND RE-INSTALLING THE DEVICE SHALL BE INCLUDED IN THE CONTRACT.
9. THE CONTRACTOR SHALL CONFINE CONSTRUCTION ACTIVITIES WITHIN THE CONSTRUCTION LIMITS AS SHOWN ON THE PLANS. AREAS OUTSIDE THE SHOWN CONSTRUCTION LIMITS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED AND STABILIZED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
10. TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. ANY DEVIATION FROM THE TEMPORARY EROSION CONTROL PLAN OR SCHEDULE SHALL BE AT THE DIRECTION OF THE ENGINEER.
11. IN CASE OF CONFLICT BETWEEN THE EROSION AND SEDIMENT CONTROL PLAN, PLAN QUANTITIES, OR OTHER CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND RECEIVE CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
12. THE CONTRACTOR SHALL SUBMIT THE SUBMITTAL ITEMS SPECIFIED IN S.P. 111.2, STORM WATER POLLUTION PREVENTION PLAN WHICH SHALL BE INCORPORATED INTO AND BECOME PART OF THE SWPPP.
13. UNLESS OTHERWISE INDICATED, ALL STABILIZATION AND STRUCTURAL PRACTICES AND OTHER CONTROL MEASURES SPECIFIED IN THE SWPPP SHALL BE CONSTRUCTED ACCORDING TO THE MINIMUM STANDARDS OF THE ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS AND THE ILLINOIS URBAN MANUAL (LATEST EDITION).
14. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ANY SUBCONTRACTORS WHO PERFORM WORK ON THE PROJECT OF THE REQUIREMENTS OF THE SWPPP AND ILR10 PERMIT ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (IF APPLICABLE).
15. THE CONTRACTOR SHALL UTILIZE THE MAINTENANCE GUIDELINES OUTLINED IN THE SWPPP TO ENSURE GOOD AND EFFECTIVE OPERATING CONDITIONS OF THE MEASURES TO PROTECT STORM WATER QUALITY ON THE PROJECT.
16. THE CONDITION OF THE CONSTRUCTION SITE FOR WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT DISTURBED AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR EROSION CONTROL. AREAS TO BE WORKED AND DISTURBED BEYOND THE END OF THE GROWING SEASON MUST INCORPORATE TEMPORARY STABILIZATION MEASURES THAT DO NOT RELY UPON VEGETATIVE COVER, SUCH AS EROSION CONTROL BLANKET.
17. UNLESS OTHERWISE SPECIFIED AND APPROVED BY THE ENGINEER, ALL TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND DISTURBED AREAS ARE PERMANENTLY STABILIZED.
18. PERMANENT LANDSCAPE ITEMS SHALL BE IMPLEMENTED IN CONJUNCTION WITH CONSTRUCTION STAGING. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY STABILIZED AT ONE TIME.
19. TEMPORARY STABILIZATION MEASURES SHALL BE PROVIDED AT INACTIVE DISTURBED AREAS THAT CANNOT BE STABILIZED WITH PERMANENT VEGETATIVE MEASURES UNTIL A LATER DATE. THE ENGINEER MAY REQUIRE THAT CRITICAL LOCATIONS BE STABILIZED IMMEDIATELY, AND THE CONTRACTOR SHALL IMPLEMENT TEMPORARY STABILIZATION MEASURES TO THESE AREAS WITHIN 24 HOURS OF SUCH DIRECTIVE, PURSUANT TO ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATION ARTICLE 280.15(C), TO ESTABLISH TEMPORARY COVER.
20. TEMPORARY SOIL STOCKPILE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO TOPSOIL REMOVAL OR OTHER GRADING OPERATIONS BEING PERFORMED.
21. FOR THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL PROTECT ALL ON-SITE, ADJACENT, AND/OR DOWNSTREAM SEWERS, DITCHES, AND WATER COURSES FROM CONTAMINATION BY WATERBORNE SILTS, SEDIMENTS, FUELS, SOLVENTS, DETERGENTS, LUBRICANTS, OR OTHER TOXIC OR HAZARDOUS POLLUTANTS ORIGINATING FROM ANY WORK DONE ON OR IN SUPPORT OF THE PROJECT.
22. TEMPORARY STABILIZED CONSTRUCTION ENTRANCES, GRAVEL ROADS, ACCESS DRIVES, AND PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH SHALL BE PROVIDED TO PREVENT SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. THE LOCATIONS OF ALL STABILIZED ENTRANCES ARE SUBJECT TO APPROVAL BY THE ENGINEER. SUGGESTED OR POTENTIAL LOCATIONS MAY BE SHOWN ON THE PLANS.

23. THE CONTRACTOR SHALL TREAT DISTURBED AND OTHER PROJECT AREAS TO CONTROL DUST. WATER SHALL BE APPLIED TO SUCH AREAS AS DIRECTED BY THE ENGINEER. CALCIUM CHLORIDE SHALL NOT BE USED FOR THIS PURPOSE. DUST SHALL BE CONTROLLED THROUGH A UNIFORM APPLICATION OF SPRAYED WATER IN A MANNER MEETING ENGINEER APPROVAL AND IN ACCORDANCE WITH THE CONTRACTOR'S DUST CONTROL PLAN SUBMITTED IN ACCORDANCE WITH ARTICLE 107.36 OF THE TOLLWAY SUPPLEMENTAL SPECIFICATIONS. THE NUMBER OF APPLICATIONS AND THE AMOUNT OF WATER SHALL BE BASED ON FIELD AND WEATHER CONDITIONS.
24. ALL CONTROLS NECESSARY TO MEET THE REQUIREMENTS OF THE COUNTY STORMWATER AND FLOODPLAIN ORDINANCE OR THE WAIVER COMMUNITY ORDINANCE SHALL BE KEPT OPERATIONAL AND MAINTAINED THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.
25. A NOMINAL QUANTITY FOR ITEM JS280070 STABILIZED CONSTRUCTION ENTRANCE HAS BEEN PROVIDED FOR INSTALLING AND MAINTAINING ENTRANCES SUBJECT TO APPROVAL BY THE ENGINEER.
26. THE PERMANENT VEGETATION PLAN SHALL BE USED ON ALL DISTURBED AREAS WHENEVER POSSIBLE. A QUANTITY FOR ITEMS X2501850 SEEDING, CLASS 7 (MODIFIED) AND JI251005 EROSION CONTROL BLANKET, SHORT TERM HAVE ALSO BEEN PROVIDED FOR TEMPORARY STABILIZATION OF ALL ANTICIPATED DISTURBED AREAS.
27. A NOMINAL QUANTITY FOR ITEM JS280051 RE-ERECT SILT FENCE HAS BEEN PROVIDED. RE-ERECTION OF SILT FENCE SHALL BE AS APPROVED AND DIRECTED BY THE ENGINEER.
28. A NOMINAL QUANTITY FOR ITEM JS280151 SAME-DAY STABILIZATION HAS BEEN PROVIDED FOR USE AS DIRECTED BY THE CM TO STABILIZE EROSION PRONE AREAS OR CRITICAL DISTURBED AREAS WHERE THERE IS A RISK THAT SEDIMENT LADEN RUNOFF MAY ENTER SENSITIVE ENVIRONMENTAL AREAS.
29. THE INSTALLATION, MAINTENANCE, REMOVAL, AND RESTORATION OF THE AREA DISTURBED BY THE PLACEMENT OF SILT FENCE IS INCLUDED IN THE CONTRACTOR UNIT PRICE FOR SILT FENCE. AFTER THE REMOVAL OF SILT FENCE, THE AREAS DISTURBED BY THE FENCE ISNTALLATION SHALL BE RESTORED.
30. THE TEMPORARY ACCESS ROAD (SPECIAL) (X0327039) AND ITS ASSOCIATED DRAINAGE ARE SHOWN ON THE PLANS FOR GRAPHICAL PURPOSES ONLY. THE EXACT LOCATION OF THE TEMPORARY ACCESS ROAD (SPECIAL) (X0327039) IS TO BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. IF THE TEMPORARY ACCESS ROAD (SPECIAL) (X0327039) IMPEDES UPON THE EXISTING DITCH DRAINAGE FLOW CAPACITY, THE CONTRACTOR IS RESPONSIBLE FOR SIZING AND INSTALLING TEMPORARY CULVERT(S) THAT HAVE CAPACITY TO MAINTAIN THE EXISTING DITCH FLOW.

EROSION & SEDIMENT CONTROL SEQUENCE OF CONSTRUCTION

PRE-STAGE AND STAGE 1

THE FOLLOWING EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO CLEARING AND GRADING:

1. ERECT SILT FENCE AS SHOWN ON THE PLANS.
2. INSTALL INLET PROTECTION ON EXISTING OPEN LID STRUCTURES RECEIVING RUNOFF FROM DISTURBED AREAS.
3. TEMPORARY DITCH CHECKS WILL BE INSTALLED WITHIN EXISTING UNDISTURBED DITCHES FOR EROSION AND SEDIMENT CONTROL DOWNSTREAM OF DITCH DISTURBANCE.

THE FOLLOWING EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IMPLEMENTED DURING CONSTRUCTION:

1. PROTECT EXISTING VEGETATION TO REMAIN UNDISTURBED.
2. ERECT SILT FENCE AROUND TEMPORARY STOCKPILE AREAS.
3. INSTALL TEMPORARY DITCH CHECKS IMMEDIATELY AFTER PROPOSED DITCH GRADING IS COMPLETE. DITCH CHECKS SHALL BE LOCATED AS NOTED ON THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
4. FILTER DISCHARGE WATER FROM THE WORK AREA AND DEWATERING OPERATIONS. FILTERED WATER MUST BE VISIBLY CLEAR PRIOR TO DISCHARGING OFF-SITE.
5. MANAGEMENT OF EROSION AND SEDIMENT CONTROL.
6. INSTALL INLET PROTECTION IMMEDIATELY AFTER STORM SEWER IS INSTALLED.

IMMEDIATELY UPON COMPLETION OF CLEARING OR GRADING OR WITHIN 14 DAYS OF LAST DISTURBANCE, THE FOLLOWING MEASURES SHALL BE IMPLEMENTED:

1. PROVIDE TEMPORARY STABILIZATION OVER DISTURBED AREAS WHERE 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 1 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 IN AN AREA.
2. PROVIDE PERMANENT STABILIZATION AS SHOWN ON THE PLANS AS SOON AS POSSIBLE AND IMMEDIATELY FOLLOWING THE REMOVAL OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.

IDOT EROSION & SEDIMENT CONTROL GENERAL NOTES

1. STABILIZATION CONTROLS RUNOFF VOLUME AND VELOCITY, PEAK RUNOFF RATES AND VOLUMES OF DISCHARGE TO MINIMIZE EXPOSED SOIL, DISTURBED SLOPES, SEDIMENT DISCHARGES FROM CONSTRUCTION, AND PROVIDES FOR NATURAL BUFFERS AND MINIMIZATION OF SOIL COMPACTION. EXISTING VEGETATED AREAS WHERE DISTURBANCE CAN BE AVOIDED WILL NOT REQUIRE STABILIZATION.
2. WHERE POSSIBLE, STABILIZATION OF THE INITIAL STAGE SHOULD BE COMPLETED BEFORE WORK IS MOVED TO SUBSEQUENT STAGES.
3. SILT FENCE SHOULD ONLY BE USED AS PERIMETER EROSION BARRIER IN AREAS WHERE THE WORK AREA IS HIGHER THAN THE PERIMETER. THE USE OF SILT FENCE AT THE TOP OF THE SLOPE/ELEVATIONS HIGHER THAN THE WORK AREA SHOULD ALWAYS BE AVOIDED. IF NECESSARY, TEMPORARY FENCE SHOULD BE UTILIZED IN THESE LOCATIONS (WHERE THE TOP OF SLOPE/ELEVATION IS HIGHER THAN THE WORK AREA) IN LIEU OF SILT FENCE.
4. AVOID USING THE INLET AND PIPE PROTECTION SHOWN ON THE HIGHWAY STANDARD SHEETS 280001. STRAW BALES AND SILT FENCE SHOULD NOT BE USED AS INLET AND PIPE PROTECTION. INLET AND PIPE PROTECTION SHOULD BE COMPRISED OF DITCH CHECKS, TEMPORARY SEEDING AND TEMPORARY EROSION CONTROL BLANKET AND WILL BE INSTALLED AT ALL STORM SEWERS AND CULVERTS. INLET FILTERS, AS SPECIFIED IN ARTICLE 1081.15(H) OF THE STANDARD SPECIFICATIONS (CURRENT EDITION) WILL BE INSTALLED AT ALL INLETS, CATCH BASINS, AND MANHOLES FOR THE DURATION OF CONSTRUCTION. INLET FILTERS WILL BE CLEANED ON A REGULAR BASIS. ENSURE PROPER QUANTITIES OF INLET FILTERS, DITCH CHECKS, TEMPORARY SEEDING AND TEMPORARY EROSION CONTROL BLANKET ARE INCLUDED IN THE CONTRACT.
5. THE CONTRACTOR SHOULD PROVIDE TO THE RE A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT BEARING WATERS, PARTICULARLY WHEN RAIN IS FORECASTED SO THAT FLOW WILL NOT ERODE. LACK OF AN APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.
6. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW(BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
7. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION FOUND ON THE CONSTRUCTION TAB AT: ([HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL](http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control)).
8. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
9. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
10. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
11. EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE RE.
12. THE RESIDENT ENGINEER SHALL CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT (847-705-4171) ONE WEEK PRIOR TO START OF ANY TREE REMOVAL WORK WITHIN IDOT ROW TO COORDINATE A FIELD MEETING.
13. ANY TREES WITHIN IDOT RIGHT-OF-WAY WILL BE ASSESSED BY AN IDOT ARBORIST AND IS SUBJECT TO BE DESIGNATED FOR PROTECTION.

EROSION & SEDIMENT CONTROL WETLAND AND WATERS OF THE UNITED STATES NOTES

1. WETLAND AREAS OUTSIDE OF THE WORK ZONE ARE TO BE AVOIDED. IF THE CONTRACTOR SHOULD ENCROACH UPON ANY WETLAND AREA THAT IS NOT WITHIN THE CONSTRUCTION LIMITS AND/OR PERMITTED FOR IMPACT THROUGH THE USAGE, THE CONTRACTOR IS SUBJECT TO FINES. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY WETLAND IMPACTS OUTSIDE THE WORK ZONE. IMPACTED AREAS SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR IN COORDINATION WITH AND TO THE SATISFACTION OF THE USAGE.
2. ALL WETLANDS, WATERS OF THE UNITED STATES AND OPEN WATER DETENTION FACILITIES ARE SUBJECT TO THE REVIEW AND APPROVAL BY RESOURCE AND REGULATORY AGENCIES. THOSE AGENCIES INCLUDE BUT ARE NOT LIMITED TO THE USAGE, THE ILLINOIS DEPARTMENT OF NATURAL RESOURCES, AND THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY.

PLOT DATE = 4/11/2020 PLOT TIME = 9:38:12 AM PLOT SCALE = 100:0000 / ' in. FILE NAME = p:\a\ecdm-na-pm\ben\lej\com\ecdm\DS16_NA\Documents\60545817-Centrol Tr1-States DCM\0400 Work Packages\1-17-4300-505\32 - 4496 C09a Package 2\01 - DDNV12 - Erosion Control\1-300-4496-SHT-EROSNOTE-001-AVE.dgn

DRAWN BY	RBW	DATE	09/30/2019
CHECKED BY	JLC	DATE	04/13/2020



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

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT NO. I-19-4496
EROSION AND SEDIMENT CONTROL
GENERAL NOTES

ECN-01
DRAWING NO.
281 OF 860

TEMPORARY DRAINAGE SCHEDULE

NO.	PIPE ID	ALIGNMENT	UPSTREAM				DOWNSTREAM				DIA.	SLOPE (%)	LENGTH (FT)	PAY ITEM NUMBER	ITEM	
			STATION	OFFSET	RIM	INVERT	STATION	OFFSET	RIM	INVERT						
TP-0301	SS	RAMP E	537+32.59	25.57' LT			RAMP E	537+32.59	11.39' LT			15	0.20%	14.2	550A0360	STORM SEWERS, CLASS A, TYPE 2
TP-0503	SS	RAMP J/K	553+00	31.50' LT			RAMP J/K	553+25	56.93' LT			15	3.50%	24.8	550A0360	STORM SEWERS, CLASS A, TYPE 2
TP-0504	SS	RAMP J/K	553+25	56.93' LT			RAMP J/K	554+50	30.75' LT			15	3.50%	123.2	550A0360	STORM SEWERS, CLASS A, TYPE 2
TP-0505	SS	RAMP J/K	554+50	30.75' LT			RAMP J/K	554+50	5.70' RT			15	3.00%	36.4	550A0360	STORM SEWERS, CLASS A, TYPE 2
TP-0506	SS	RAMP J/K	553+50	4.76' RT			RAMP J	554+00	37.14' RT			15	3.50%	60.2	550A0360	STORM SEWERS, CLASS A, TYPE 2
TP-0507	SS	RAMP J/K	554+50	5.70' RT			RAMP J	554+00	37.14' RT			15	3.50%	59.5	550A0360	STORM SEWERS, CLASS A, TYPE 2
TP-0508	SS	RAMP J	554+00	37.14' RT			RAMP J	553+16	85.39' RT			15	3.50%	100.2	550A0360	STORM SEWERS, CLASS A, TYPE 2
TP-05010	EXTEND SS	RAMP J	554+00	60.91' RT			RAMP J	553+30	96.71' RT					40.2	550A0470	STORM SEWERS, CLASS A, TYPE 2 42"
	REM SS	RAMP J/K	557+61.16	26.14' LT			RAMP J/K	557+64.34	33.07' LT			12		6.6	55100500	STORM SEWER REMOVAL 12"
TP-05011	SS	RAMP J/K	557+64.34	33.07' LT			RAMP J/K	558+10	1.04' RT			15	0.20%	57.7	550A0360	STORM SEWERS, CLASS A, TYPE 2
TD-0224	TD	RAMP J	524+56	9.00' RT	720	718.5	RAMP J	525+46	9.44' RT	718.5	717			90	JT601900	TRENCH DRAIN
TS-0301	CB	RAMP E	537+32.59	25.57' LT						689.16	682.31				60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
TS-0503	CB	RAMP J/K	553+00	31.50' LT						701.59	686.59				60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
TS-0504	CB	RAMP J/K	553+25	56.93' LT						701.60	685.72				60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
TS-0505	CB	RAMP J/K	553+50	4.76' RT						702.16	682.16				60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
TS-0506	CB	RAMP J/K	554+50	30.75' LT						703.74	681.41				60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
TS-0507	CB	RAMP J/K	554+50	5.70' RT						703.16	680.32				60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
												NW	SW			
TS-0508	MH	RAMP J/K	554+00	37.14' RT						708.37	677.61	678.23	680.05		60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE
TS-0509	HW	RAMP J	553+16	85.39' RT						675.35	674.10				60100060	CONCRETE HEADWALLS FOR PIPE DRAINS
	REM HW	RAMP J	554+23.71	33.65' RT											50104400	CONCRETE HEADWALL REMOVAL
	COLLAR	RAMP J	554+23.71	33.65' RT											54248510	CONCRETE COLLAR
TS-0510	HW	RAMP J	553+30	96.71' RT						675.74	674.49				60100060	CONCRETE HEADWALLS FOR PIPE DRAINS
	REM INLET	RAMP J/K		26.14' LT											60500050	REMOVING CATCH BASINS
TS-0511	RELOCATE CB	RAMP J/K	557+64.34	33.07' LT						717.3	713.7				60500050	REMOVING CATCH BASINS
												SW	NE	NW	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
TS-0512	RECONST MH	RAMP J/K	558+10	1.04' RT						716.8		713.58	708.60	680.30	60258200	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID

PLOT DATE = 4/11/2020 PLOT TIME = 9:38:45 AM PLOT SCALE = 100:0000 / 1" FILE NAME = p:\a\ecdm-na-pm\ben\proj\17-1300-566\32 - 4496 C09a Package 2\01 - DDNL12 - SHIT\05 - Erosion Control\17-1300-4496-SHT-TMPDRNSCH-001-AVE.dgn

DRAWN BY RBW DATE 03/09/2020
 CHECKED BY JLC DATE 04/13/2020



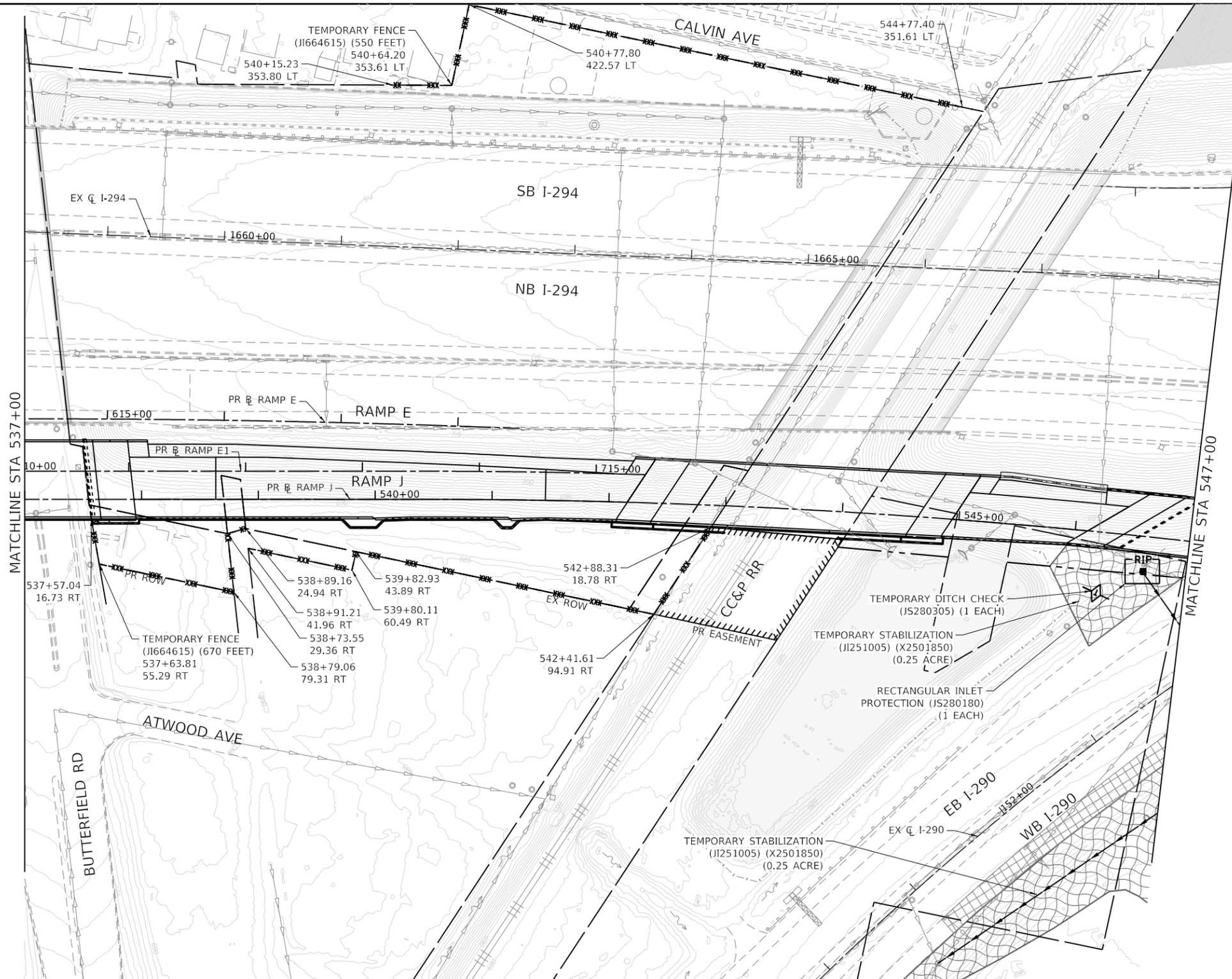
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE,
 ILLINOIS 60515

REVISIONS	
NO.	DATE DESCRIPTION

CONTRACT NO. I-19-4496
 TEMPORARY DRAINAGE SCHEDULE

TDS-01
 DRAWING NO. 282 OF 860

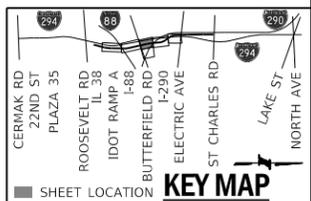
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EROSION CONTROL LEGEND

- TEMPORARY DITCH CHECK (JS280305)
- SSF SUPER SILT FENCE (JS280100)
- SILT FENCE (JS280050)
- TEMPORARY CULVERT AS NECESSARY (SEE NOTE 30 ON ECN-01 AND STABILIZED CONSTRUCTION ENTRANCE DETAIL ON STANDARD K1-08)
- xx - xxx - TEMPORARY CHAIN LINK FENCE 8' SCREENING, TYPE 1 (JI664615)
- FIP.B FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210)
- RIP RECTANGULAR INLET PROTECTION (JS280180)
- PROPOSED CONTRACTOR ACCESS ROAD
- CIP CULVERT INLET PROTECTION TO BE PAID FOR AS: TEMPORARY RIPRAP (JS280140)
- STABILIZED CONSTRUCTION ENTRANCE (JS280070)
- TEMPORARY STABILIZATION TO BE PAID FOR AS: EROSION CONTROL BLANKET - SHORT-TERM, (JI251005) SEEDING, CLASS 7 (MODIFIED) (X2501850)
- TEMPORARY RIPRAP (JS280140)
- MOT TEMPORARY PAVEMENT
- MOT EXISTING TEMPORARY PAVEMENT
- JURISDICTIONAL WATERWAY/WETLAND

*NOTE: UNLESS OTHERWISE NOTED, ALL TEMPORARY DRAINAGE WILL BE ADDED IN MOT STAGE 1 AND REMOVED IN A LATER CONTRACT.



DRAWN BY RBW DATE 09/12/2019
 CHECKED BY JLC DATE 04/13/2020



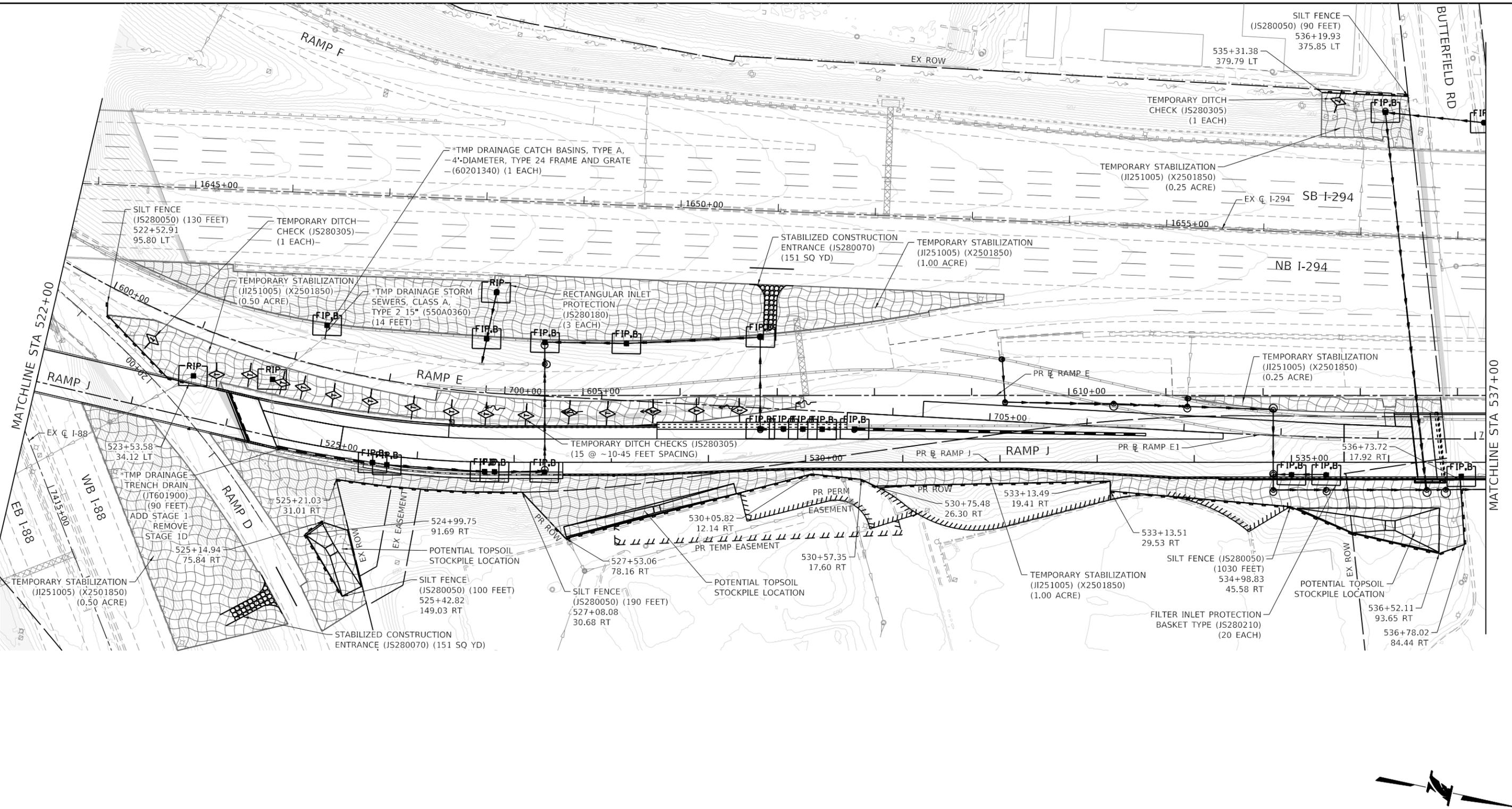
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE,
 ILLINOIS 60515

REVISIONS	
NO.	DESCRIPTION

CONTRACT NO. I-19-4496
 EROSION CONTROL PLAN - PRESTAGE
 RAMP J - STA 537+00 TO STA 547+00

EC-03
 DRAWING NO.
 285 OF 860

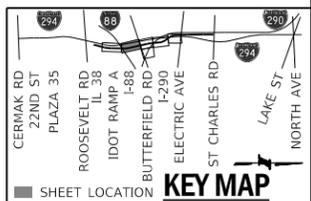
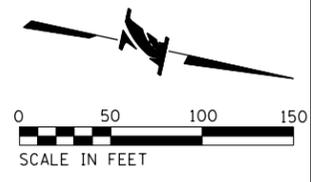
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EROSION CONTROL LEGEND

- TEMPORARY DITCH CHECK (JS280305)
- SUPER SILT FENCE (JS280100)
- SILT FENCE (JS280050)
- TEMPORARY CULVERT AS NECESSARY (SEE NOTE 30 ON ECN-01 AND STABILIZED CONSTRUCTION ENTRANCE DETAIL ON STANDARD K1-08)
- xx — xxx — TEMPORARY CHAIN LINK FENCE 8' SCREENING, TYPE 1 (JI664615)
- FIP.B FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210)
- RIP RECTANGULAR INLET PROTECTION (JS280180)
- PROPOSED CONTRACTOR ACCESS ROAD
- CIP CULVERT INLET PROTECTION TO BE PAID FOR AS: TEMPORARY RIPRAP (JS280140)
- STABILIZED CONSTRUCTION ENTRANCE (JS280070)
- TEMPORARY RIPRAP (JS280140)
- MOT TEMPORARY PAVEMENT
- MOT EXISTING TEMPORARY PAVEMENT
- JURISDICTIONAL WATERWAY/WETLAND

*NOTE: UNLESS OTHERWISE NOTED, ALL TEMPORARY DRAINAGE WILL BE ADDED IN MOT STAGE 1 AND REMOVED IN A LATER CONTRACT.



DRAWN BY RBW DATE 09/18/2019
 CHECKED BY JLC DATE 04/13/2020



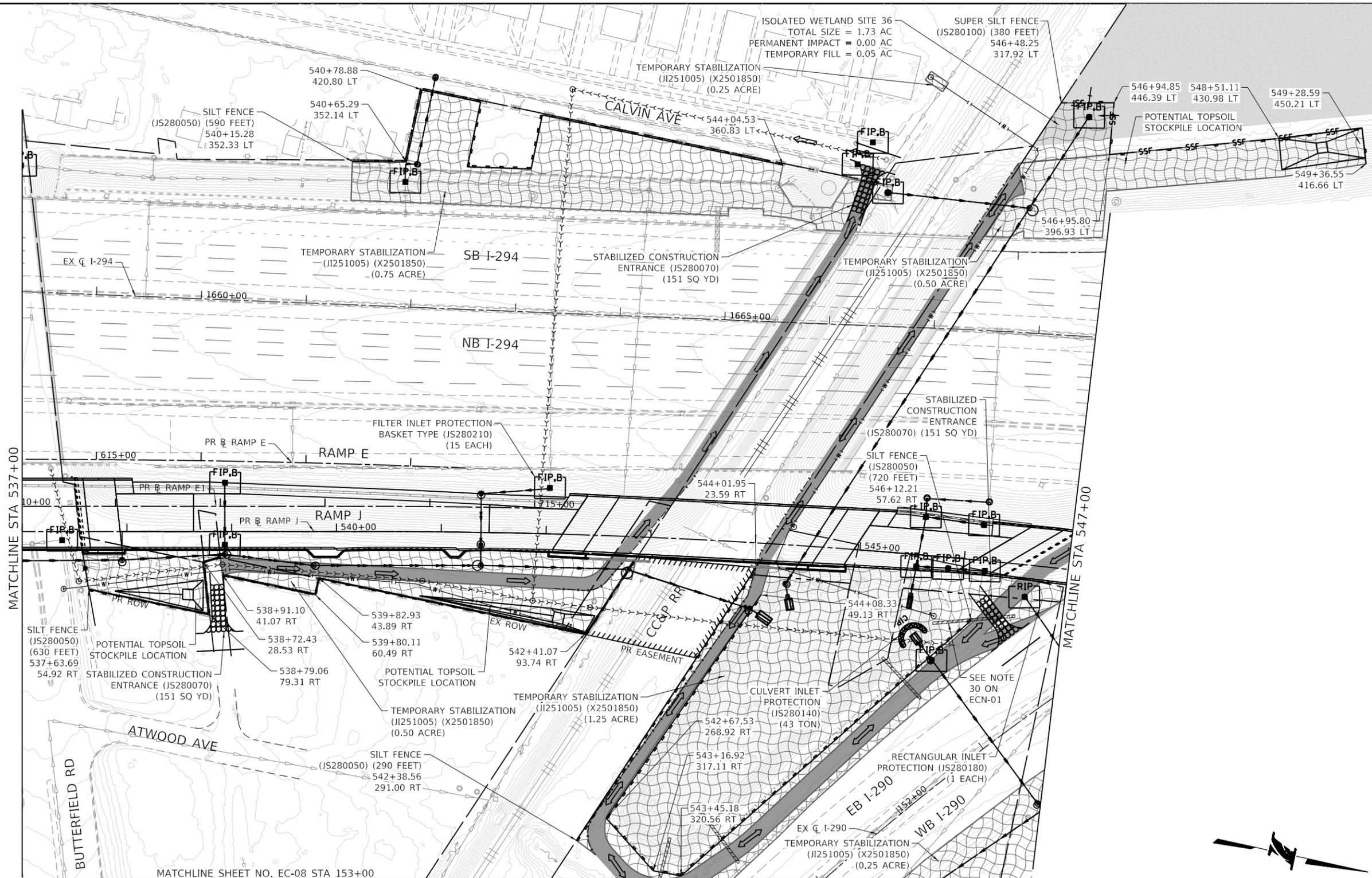
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE,
 ILLINOIS 60515

REVISIONS	
NO.	DESCRIPTION

CONTRACT NO. I-19-4496
 EROSION CONTROL PLAN - STAGE 1
 RAMP J - STA 522+00 TO STA 537+00

EC-06
 DRAWING NO.
 288 OF 860

PLOT DATE = 4/11/2020 PLOT TIME = 9:48:35 AM PLOT SCALE = 100.0000' / 1" FILE NAME = p:\a\ECOM-NA-PM-Bentley.com\ECOM.DS16.MXD Documents\17-4300-566\32 - 4496_C09A.Package 2\01 - DGN\12 - SH1\05 - Erosion_Control\17-4300-4496-SHT-EROS-MOT\ST1-RAMP-J-003-AVE.dgn



EROSION CONTROL LEGEND

- | | | | | | | | |
|--|--|--|--|--|---|--|---------------------------------|
| | TEMPORARY DITCH CHECK (JS280305) | | TEMPORARY CHAIN LINK FENCE 8' SCREENING, TYPE 1 (JI664615) | | CULVERT INLET PROTECTION TO BE PAID FOR AS: TEMPORARY RIPRAP (JS280140) | | MOT TEMPORARY PAVEMENT |
| | SUPER SILT FENCE (JS280100) | | FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210) | | STABILIZED CONSTRUCTION ENTRANCE (JS280070) | | MOT EXISTING TEMPORARY PAVEMENT |
| | SILT FENCE (JS280050) | | RECTANGULAR INLET PROTECTION (JS280180) | | TEMPORARY STABILIZATION TO BE PAID FOR AS: EROSION CONTROL BLANKET, SHORT TERM, (JI251005) SEEDING, CLASS 7 (MODIFIED) (X2501850) | | JURISDICTIONAL WATERWAY/WETLAND |
| | TEMPORARY CULVERT AS NECESSARY (SEE NOTE 30 ON ECN-01 AND STABILIZED CONSTRUCTION ENTRANCE DETAIL ON STANDARD K1-08) | | PROPOSED CONTRACTOR ACCESS ROAD | | TEMPORARY RIPRAP (JS280140) | | |

DRAWN BY RBW DATE 01/29/2020
 CHECKED BY JLC DATE 04/13/2020

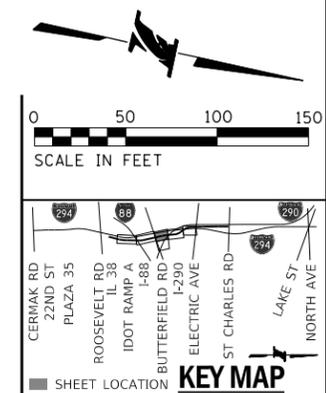


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE,
 ILLINOIS 60515

REVISIONS	
NO.	DESCRIPTION

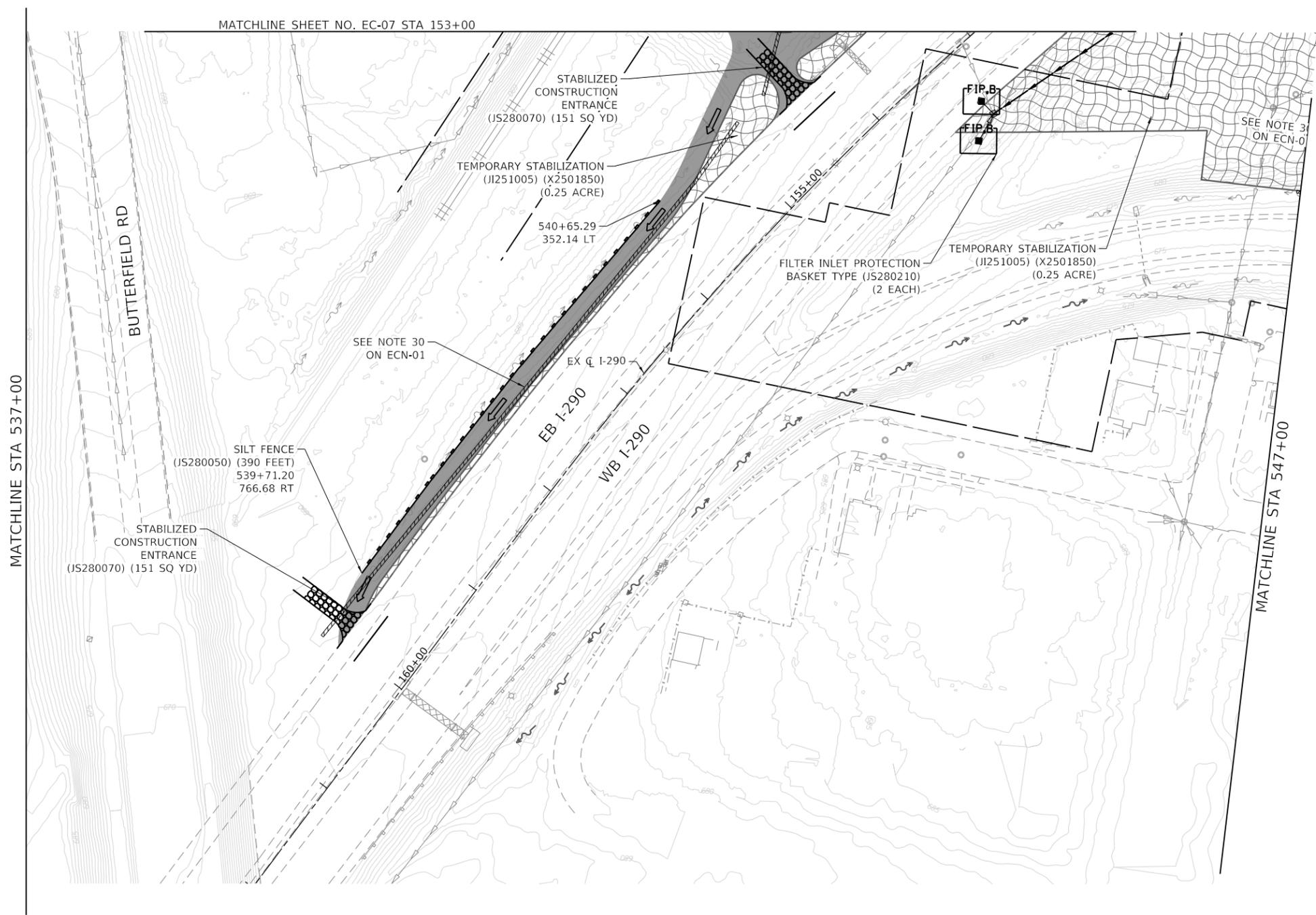
CONTRACT NO. I-19-4496
 EROSION CONTROL PLAN - STAGE 1
 RAMP J - STA 537+00 TO STA 547+00

EC-07
 DRAWING NO. 289 OF 860



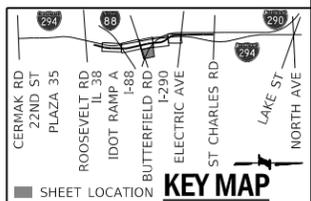
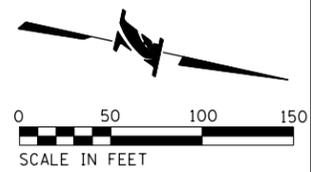
*NOTE: UNLESS OTHERWISE NOTED, ALL TEMPORARY DRAINAGE WILL BE ADDED IN MOT STAGE 1 AND REMOVED IN A LATER CONTRACT.

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EROSION CONTROL LEGEND

- | | | | | | | | |
|--|--|--|--|--|---|---|---------------------------------|
| | TEMPORARY DITCH CHECK (JS280305) | | TEMPORARY CHAIN LINK FENCE 8' SCREENING, TYPE 1 (JI664615) | | CULVERT INLET PROTECTION TO BE PAID FOR AS: TEMPORARY RIPRAP (JS280140) | | MOT TEMPORARY PAVEMENT |
| | SUPER SILT FENCE (JS280100) | | FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210) | | STABILIZED CONSTRUCTION ENTRANCE (JS280070) | | MOT EXISTING TEMPORARY PAVEMENT |
| | SILT FENCE (JS280050) | | RECTANGULAR INLET PROTECTION (JS280180) | | TEMPORARY STABILIZATION TO BE PAID FOR AS: EROSION CONTROL BLANKET, SHORT-TERM, (JI251005) SEEDING, CLASS 7 (MODIFIED) (X2501850) | | JURISDICTIONAL WATERWAY/WETLAND |
| | TEMPORARY CULVERT AS NECESSARY (SEE NOTE 30 ON ECN-01 AND STABILIZED CONSTRUCTION ENTRANCE DETAIL ON STANDARD K1-08) | | PROPOSED CONTRACTOR ACCESS ROAD | | TEMPORARY RIPRAP (JS280140) | *NOTE: UNLESS OTHERWISE NOTED, ALL TEMPORARY DRAINAGE WILL BE ADDED IN MOT STAGE 1 AND REMOVED IN A LATER CONTRACT. | |



DRAWN BY RBW DATE 09/18/2019
 CHECKED BY JLC DATE 04/13/2020



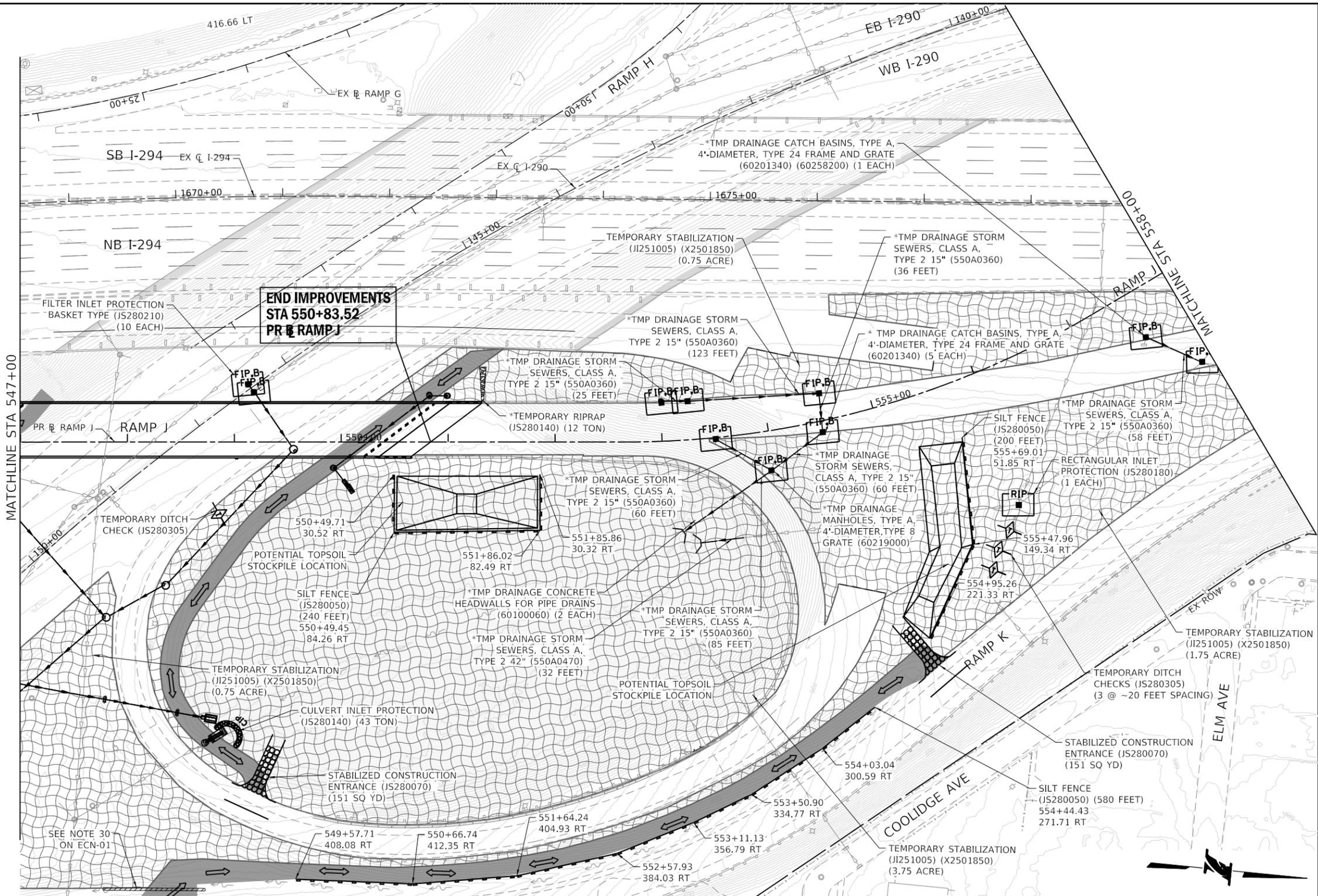
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE,
 ILLINOIS 60515

REVISIONS	
NO.	DESCRIPTION

CONTRACT NO. I-19-4496
 EROSION CONTROL PLAN - STAGE 1
 RAMP J - STA 537+00 TO STA 547+00

EC-08
 DRAWING NO.
 290 OF 860

PLOT DATE = 4/11/2020 PLOT TIME = 9:52:33 AM PLOT SCALE = 100:0000 / 1" FILE NAME = p:\a\ECOM-NA-PM-Bentley.com\ECOM_DS16_NA\Documents\60545817-Central Tri-States DCM\400 Work Packages\1-17-1300-566\32 - 4496_C09A Package 2\01 - DGN\12 - SH1\05 - Erosion Control\1300-4496-SHT-EROS-HOT\ST1-RAMP-J-005-AVE.dgn



EROSION CONTROL LEGEND

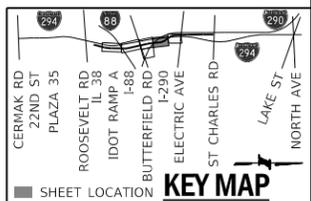
- TEMPORARY DITCH CHECK (JS280305)
- SSF SUPER SILT FENCE (JS280100)
- SILT FENCE (JS280050)
- TEMPORARY CULVERT AS NECESSARY (SEE NOTE 30 ON ECN-01 AND STABILIZED CONSTRUCTION ENTRANCE DETAIL ON STANDARD K1-08)

- xx - xxx - TEMPORARY CHAIN LINK FENCE 8' SCREENING, TYPE 1 (JI664615)
- FIP.B FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210)
- RIP RECTANGULAR INLET PROTECTION (JS280180)
- PROPOSED CONTRACTOR ACCESS ROAD

- CIP CULVERT INLET PROTECTION TO BE PAID FOR AS: TEMPORARY RIPRAP (JS280140)
- STABILIZED CONSTRUCTION ENTRANCE (JS280070)
- TEMPORARY STABILIZATION TO BE PAID FOR AS: EROSION CONTROL BLANKET, SHORT-TERM, (JI251005) SEEDING, CLASS 7 (MODIFIED) (X2501850)
- TEMPORARY RIPRAP (JS280140)

- MOT TEMPORARY PAVEMENT
- MOT EXISTING TEMPORARY PAVEMENT
- JURISDICTIONAL WATERWAY/WETLAND

*NOTE: UNLESS OTHERWISE NOTED, ALL TEMPORARY DRAINAGE WILL BE ADDED IN MOT STAGE 1 AND REMOVED IN A LATER CONTRACT.



DRAWN BY RBW DATE 09/18/2019
 CHECKED BY JLC DATE 04/13/2020



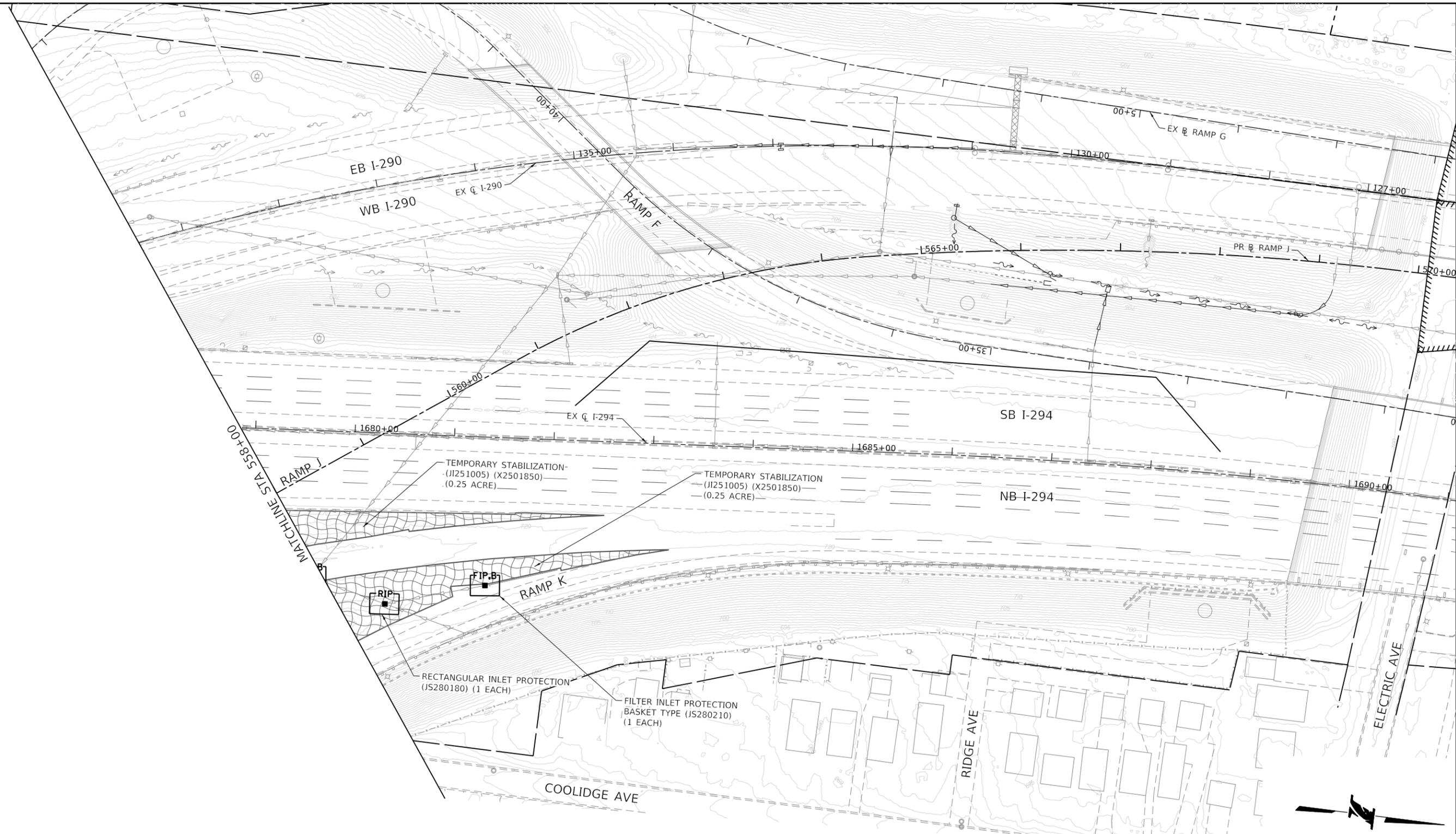
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE,
 ILLINOIS 60515

REVISIONS	
NO.	DESCRIPTION

CONTRACT NO. I-19-4496
 EROSION CONTROL PLAN - STAGE 1
 RAMP J - STA 547+00 TO STA 558+00

EC-09
 DRAWING NO.
 291 OF 860

PLOT DATE = 4/11/2020 PLOT TIME = 9:54:19 AM PLOT SCALE = 100.0000' / 1" FILE NAME = p:\a\ECOM-NA-PM-Bentley\ecom\ECOM_DS16_NA\Documents\60545817-Central Tr1-Stage DCM\400 Work Packages\1-17-4300-566\32 - 4496_C09A Package 2\01 - DGN\12 - SHT\05 - Erosion Control\1-300-4496-SHT-EROS-MOTST1-RAMP-J-006-AVE.dgn



EROSION CONTROL LEGEND

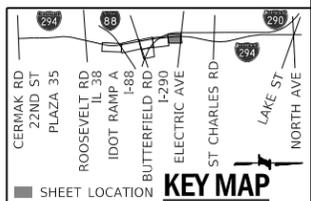
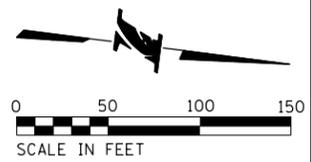
- TEMPORARY DITCH CHECK (JS280305)
- SSF SUPER SILT FENCE (JS280100)
- SILT FENCE (JS280050)
- TEMPORARY CULVERT AS NECESSARY (SEE NOTE 30 ON ECN-01 AND STABILIZED CONSTRUCTION ENTRANCE DETAIL ON STANDARD K1-08)

- xx — xxx — TEMPORARY CHAIN LINK FENCE 8' SCREENING, TYPE 1 (JI664615)
- FIP.B FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210)
- RIP RECTANGULAR INLET PROTECTION (JS280180)
- PROPOSED CONTRACTOR ACCESS ROAD

- CIP CULVERT INLET PROTECTION TO BE PAID FOR AS: TEMPORARY RIPRAP (JS280140)
- STABILIZED CONSTRUCTION ENTRANCE (JS280070)
- TEMPORARY RIPRAP (JS280140)
- TEMPORARY STABILIZATION TO BE PAID FOR AS: EROSION CONTROL BLANKET, SHORT-TERM, (JI251005) SEEDING, CLASS 7 (MODIFIED) (X2501850)

- MOT TEMPORARY PAVEMENT
- MOT EXISTING TEMPORARY PAVEMENT
- JURISDICTIONAL WATERWAY/WETLAND

*NOTE: UNLESS OTHERWISE NOTED, ALL TEMPORARY DRAINAGE WILL BE ADDED IN MOT STAGE 1 AND REMOVED IN A LATER CONTRACT.



DRAWN BY RBW DATE 10/01/2019
 CHECKED BY JLC DATE 04/13/2020



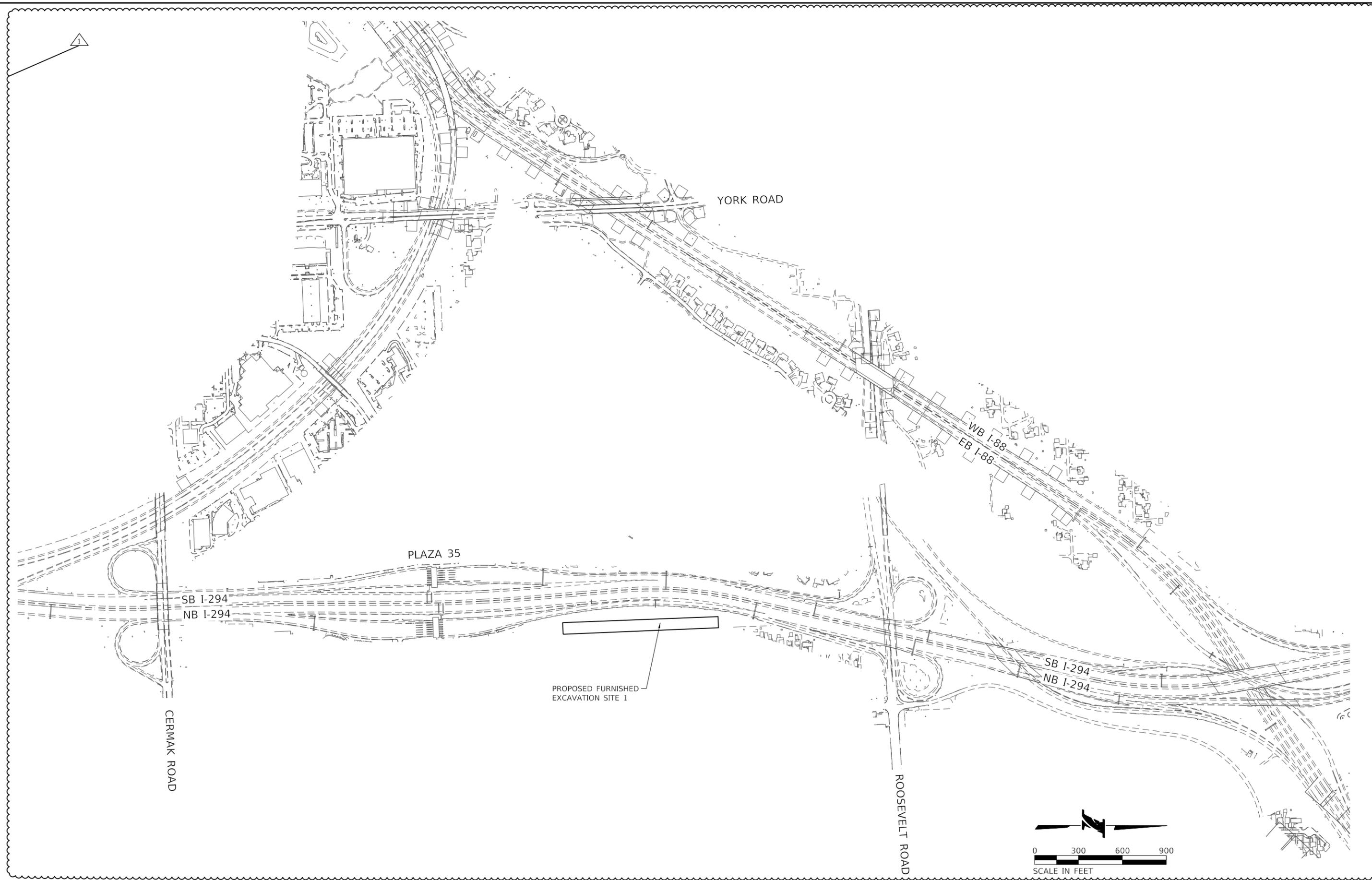
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE,
 ILLINOIS 60515

REVISIONS	
NO.	DESCRIPTION

CONTRACT NO. I-19-4496
 EROSION CONTROL PLAN - STAGE 1
 RAMP J - STA 558+00 TO END

EC-10
 DRAWING NO.
 292 OF 860

PLOT DATE = 5/12/2020 PLOT TIME = 4:13:22 PM PLOT SCALE = 640,0000 ' / ' in.
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DRAWN BY RBW DATE 5/22/2020
 CHECKED BY JLC DATE 5/22/2020

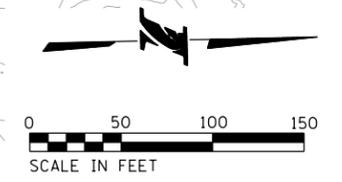


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE,
 ILLINOIS 60515

REVISIONS	
NO.	DESCRIPTION
1	05/22/2020 ADDENDUM NO 1

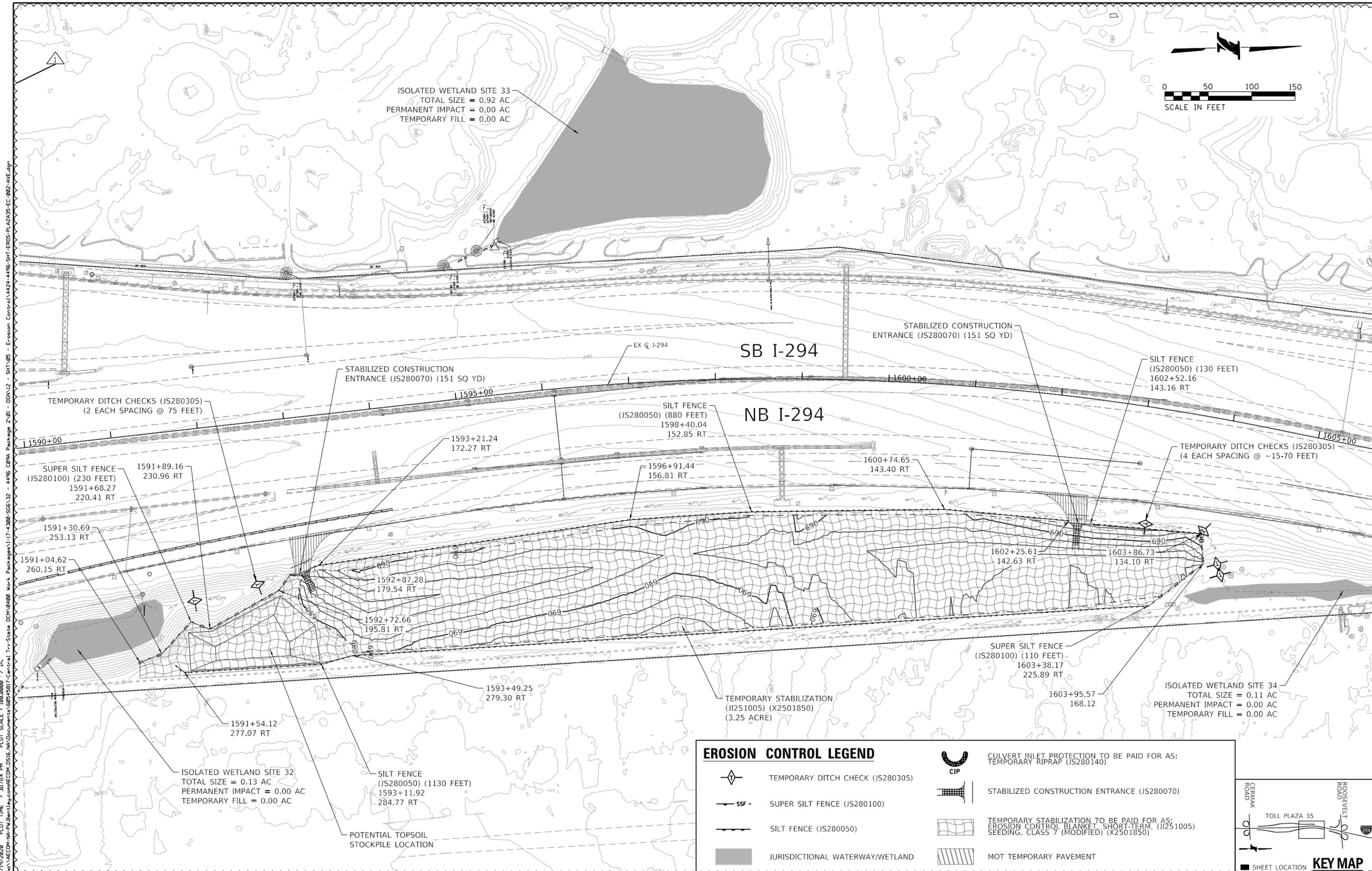
CONTRACT NO. I-19-4496
 FURNISHED EXCAVATION
 SITE LOCATION PLAN

EC-10A
 DRAWING NO.
 292A OF 860



ISOLATED WETLAND SITE 33
 TOTAL SIZE = 0.92 AC
 PERMANENT IMPACT = 0.00 AC
 TEMPORARY FILL = 0.00 AC

PLOT DATE = 5/19/2020 PLOT TIME = 3:17:14 PM PLOT SCALE = 100:0000 / 1" FILE NAME = c:\aecom\na-pm\ben\com\ecdm\0516\NA\Documents\60545817-Central Trl-States DCM\0400 Work Packages\1-17-1300-566\32 - 4496 E09A Package 2\01 - DGN\12 - Erosion Control\1424-4496-SHT-EROS-PLAZA35-EC-002-AVE.dgn



ISOLATED WETLAND SITE 32
 TOTAL SIZE = 0.13 AC
 PERMANENT IMPACT = 0.00 AC
 TEMPORARY FILL = 0.00 AC

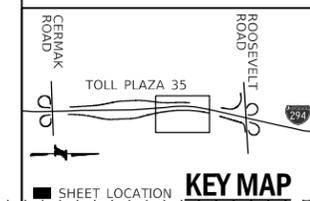
SILT FENCE (JS280050) (1130 FEET)
 1593+11.92
 284.77 RT

POTENTIAL TOPSOIL STOCKPILE LOCATION

EROSION CONTROL LEGEND

- TEMPORARY DITCH CHECK (JS280305)
- SUPER SILT FENCE (JS280100)
- SILT FENCE (JS280050)
- JURISDICTIONAL WATERWAY/WETLAND
- CIP
- STABILIZED CONSTRUCTION ENTRANCE (JS280070)
- TEMPORARY STABILIZATION TO BE PAID FOR AS: EROSION CONTROL BLANKET, SHORT-TERM, SEEDING, CLASS 7 (MODIFIED) (X2501850)
- MOT TEMPORARY PAVEMENT

ISOLATED WETLAND SITE 34
 TOTAL SIZE = 0.11 AC
 PERMANENT IMPACT = 0.00 AC
 TEMPORARY FILL = 0.00 AC



DRAWN BY RBW DATE 05/22/2020
 CHECKED BY JLC DATE 05/22/2020

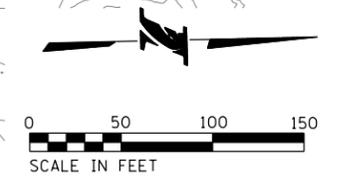


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 ILLINOIS 60515

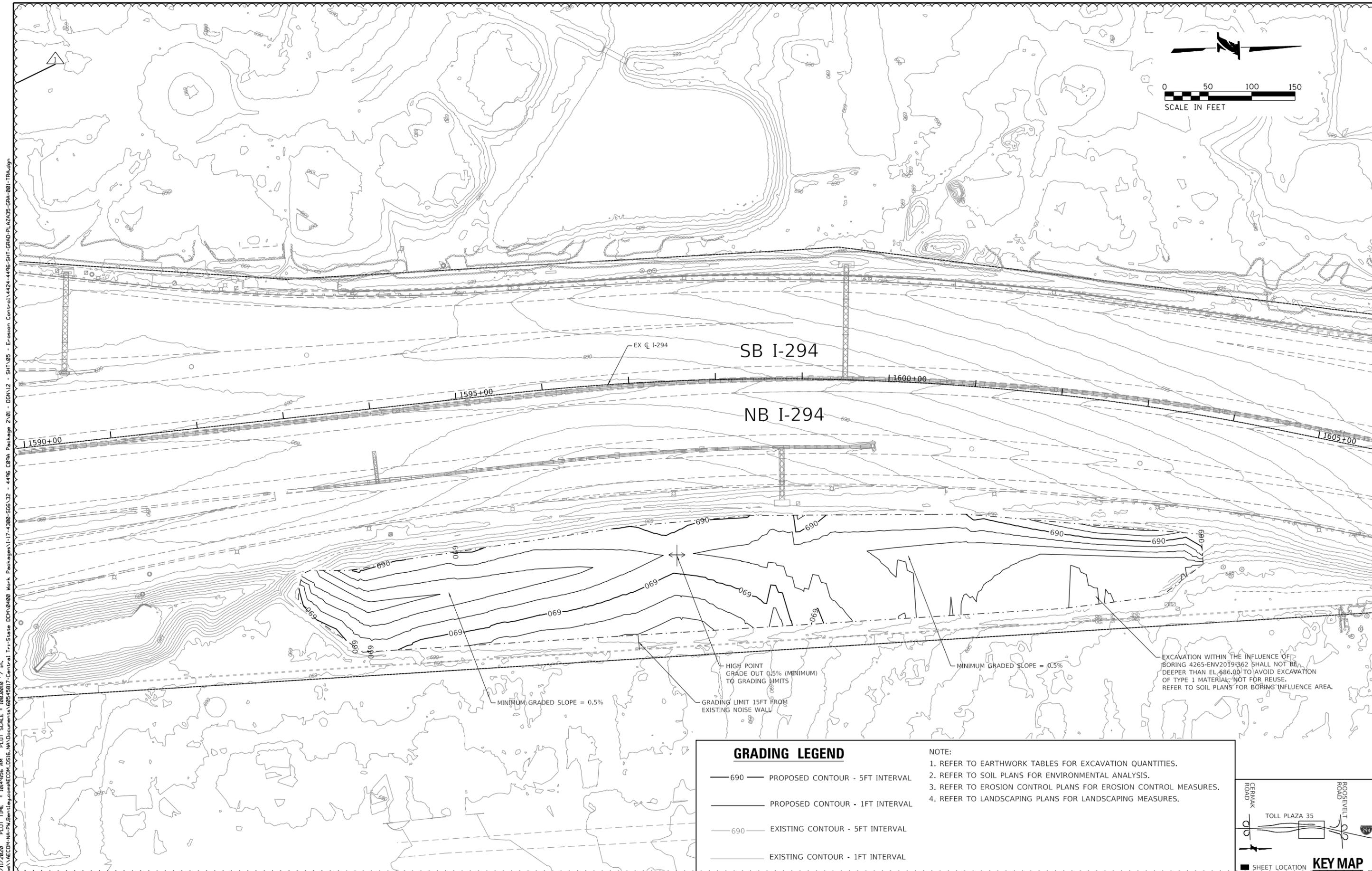
REVISIONS		
NO.	DATE	DESCRIPTION
1	05/22/2020	ADDENDUM NO 1

CONTRACT NO. I-19-4496
 EROSION CONTROL AND SEDIMENT PLANS
 PLAZA 35

EC-10B
 DRAWING NO.
 292B OF 860



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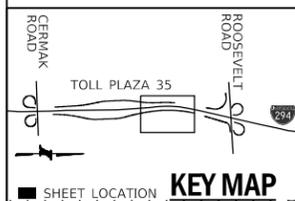


EXCAVATION WITHIN THE INFLUENCE OF BORING 4265-ENV2019-362 SHALL NOT BE DEEPER THAN EL. 686.00 TO AVOID EXCAVATION OF TYPE 1 MATERIAL; NOT FOR REUSE. REFER TO SOIL PLANS FOR BORING INFLUENCE AREA.

GRADING LEGEND

- 690 — PROPOSED CONTOUR - 5FT INTERVAL
- 690 — PROPOSED CONTOUR - 1FT INTERVAL
- 690 — EXISTING CONTOUR - 5FT INTERVAL
- 690 — EXISTING CONTOUR - 1FT INTERVAL

- NOTE:**
1. REFER TO EARTHWORK TABLES FOR EXCAVATION QUANTITIES.
 2. REFER TO SOIL PLANS FOR ENVIRONMENTAL ANALYSIS.
 3. REFER TO EROSION CONTROL PLANS FOR EROSION CONTROL MEASURES.
 4. REFER TO LANDSCAPING PLANS FOR LANDSCAPING MEASURES.



DRAWN BY AB DATE 5/22/2020
 CHECKED BY DL DATE 5/22/2020



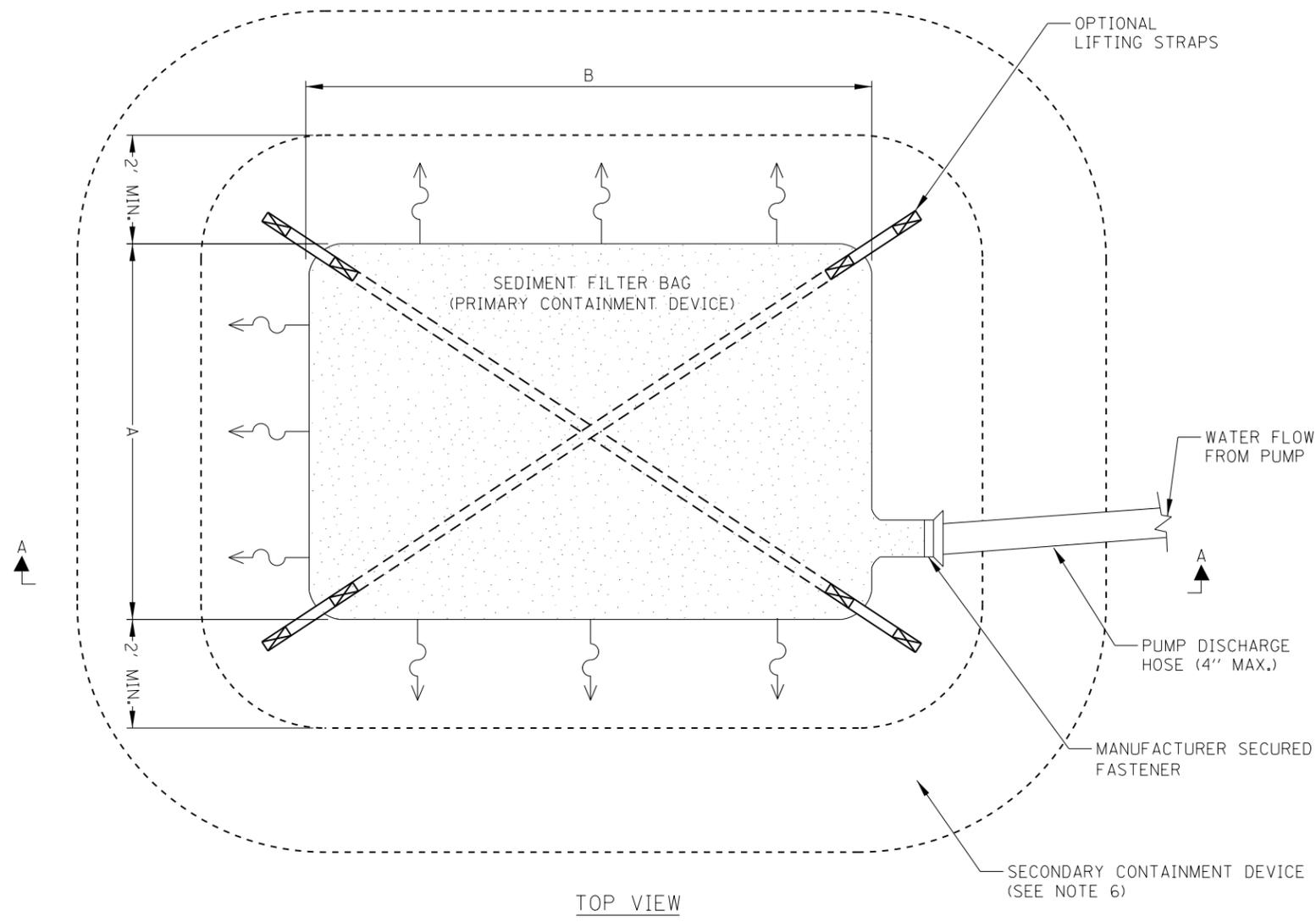
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REVISIONS		
NO.	DATE	DESCRIPTION
1	05/22/2020	ADDENDUM NO 1

CONTRACT NO. I-19-4496
 GRADING SHEET
 PLAZA 35 STOCK PILE

EC-10C
 DRAWING NO.
 292C OF 860

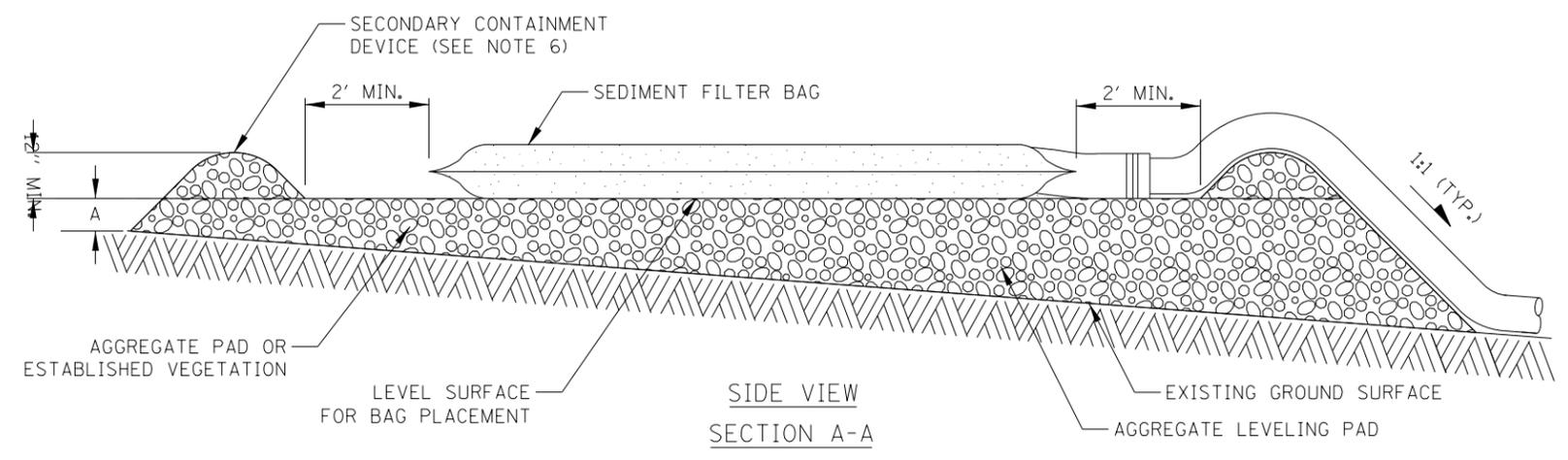
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NOTES:

1. SEDIMENT FILTER BAGS TO BE CONSIDERED AN ALTERNATE FOR SITES WHERE SEDIMENT BASIN INSTALLATION IS PROBLEMATIC.
2. SEDIMENT FILTER BAGS TO BE SIZED BASED ON VOLUME OF WATER BEING PUMPED, QUANTITY AND TYPE OF SEDIMENT AND THE PERMITIVITY OF THE SPECIFIC BAG SIZE. THE MINIMUM BAG SIZE SHALL BE 10 FEET BY 15 FEET WITH A USABLE SURFACE AREA OF 300 SQUARE FEET.
3. MULTIPLE DISCHARGES INTO A SINGLE BAG ARE NOT PERMITTED.
4. SEDIMENT FILTER BAG SHALL BE ORIENTATED TO DIRECT FLOW AWAY FROM CONSTRUCTION AREA AND DISCHARGE FILTERED WATER INTO APPROVED RECEIVING AREA OR CONTAINMENT SYSTEM.
5. SEDIMENT FILTER BAG SHALL BE REPLACED WHEN IT BECOMES 1/2 FULL OF SEDIMENT OR WHEN THE SEDIMENT HAS REDUCED DISCHARGE FLOW RATE BELOW DESIGN REQUIREMENTS.
6. SECONDARY CONTAINMENT DEVICE SHALL BE COMPRISED OF AGGREGATE MATERIAL, TEMPORARY DITCH CHECK OR EQUIVALENT.
7. PLACE STRAPS, CROSS CHAINS, PALLETS OR OTHER LIFTING DEVICE UNDER THE SEDIMENT FILTER BAG WHEN REPLACEMENT IS ANTICIPATED.

DESIGN ELEMENTS		VALUES
AGGREGATE PAD AND SECONDARY CONTAINMENT DEVICE	GRADATION	CA7
AGGREGATE PAD DEPTH (MIN.)	A (INCH)	6-IN (MIN.)



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REVISIONS	
NO.	DESCRIPTION

CONTRACT NO. I-19-4496
 EROSION AND SEDIMENT CONTROL PLANS
 TEMPORARY SEDIMENT FILTER BAG
 ECD-01
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EROSION & SEDIMENT CONTROL SCHEDULE OF QUANTITIES

	*EROSION CONTROL BLANKET, SHORT-TERM	TEMPORARY CHAIN LINK FENCE 8' SCREENING, TYPE 1	DUST CONTROL WATERING	MANAGEMENT OF EROSION AND SEDIMENT CONTROL	EROSION AND SEDIMENT CONTROL-CLEANOUT	*SILT FENCE	RE-ERECT SILT FENCE	*STABILIZED CONSTRUCTION ENTRANCE	*SUPER SILT FENCE	TEMPORARY RIPRAP	SAME-DAY STABILIZATION
PAY ITEM NO.	J1251005	J1664615	JS107360	JS280020	JS280040	JS280050	JS280051	JS280070	JS280100	JS280140	JS280151
UNIT	SQ YD	FOOT	UNIT	CAL. MO.	CU YD	FOOT	FOOT	SQ YD	FOOT	TON	SQ YD
SHEET NO.											
Pre-Stage	24,200	1,220	1,358	1	2	0	0	151	0	43	0
Stage 1	174,240	0	3,775	19	69	10,900	1,725	2,742	760	142	9
Plaza 35	15,730	0	882	0	5	2,140	535	302	340	0	15,730
USE AT ENGINEER'S DISCRETION	42,834	244	2,403	0	14	2,608	0	302	220	38	198,440
TOTAL	257,004	1,464	14,418	20	81	15,648	3,260	3,473	1,320	224	214,170

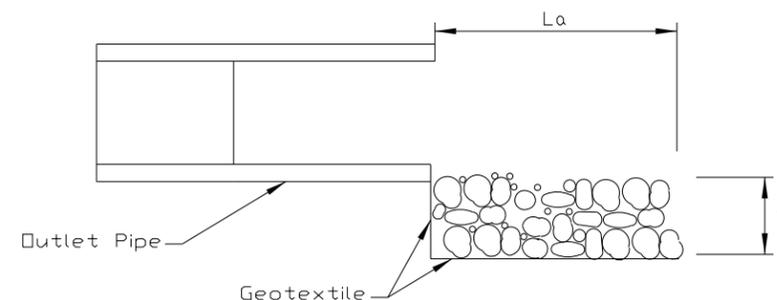
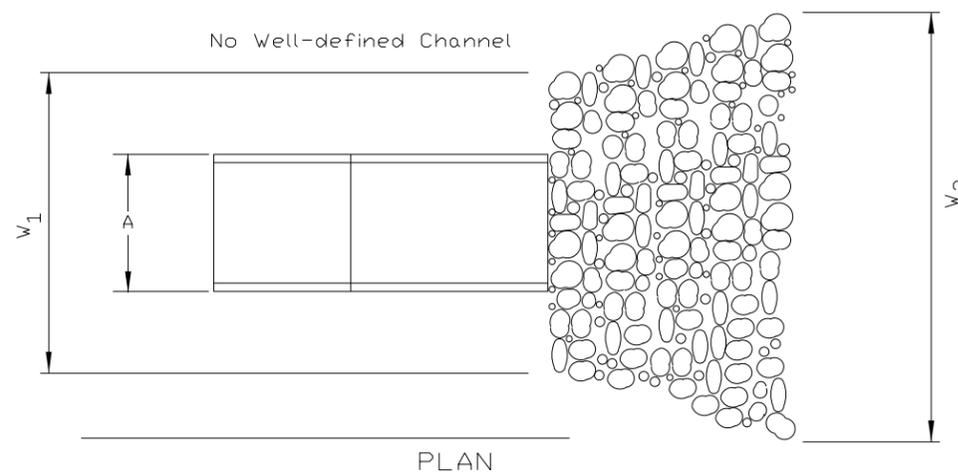
	*RECTANGULAR INLET PROTECTION	FILTER FABRIC INLET PROTECTION, COVER TYPE	*FILTER FABRIC INLET PROTECTION, BASKET TYPE	*TEMPORARY DITCH CHECKS	ALLOWANCE FOR UNFORESEEN EROSION CONTROL MEASURES	SEDIMENT FILTER BAG	FLOC LOG	IN-LINE FLOCCULATION SYSTEM	*SEEDING, CLASS 7 (MODIFIED)
PAY ITEM NO.	JS280180	JS280205	JS280210	JS280305	JT154016	JT280500	JT280510	JT280530	X2501850
UNIT	EACH	EACH	EACH	FOOT	UNIT	EACH	EACH	EACH	ACRE
SHEET NO.									
Pre-Stage	1	0	0	50	0	0	0	0	5.00
Stage 1	12	0	112	1,050	0	0	0	0	16.88
Plaza 35	0	0	0	60	0	0	0	0	4.00
USE AT ENGINEER'S DISCRETION	3	5	23	226	50,000	50	150	10	9.00
TOTAL	16	5	135	1,356	50,000	50	150	10	54.00

* NOTE: LABELS ARE SHOWN FOR A SINGLE SEASON AND THE SCHEDULE OF QUANTITIES ACCOUNTS FOR MULTIPLE SEASONS.

TEMPORARY DRAINAGE

	CONCRETE HEADWALL REMOVAL	CONCRETE COLLAR	STORM SEWER REMOVAL 12"	CONCRETE HEADWALLS FOR PIPE DRAINS	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	REMOVING CATCH BASINS	STORM SEWERS, CLASS A, TYPE 2 15"	STORM SEWERS, CLASS A, TYPE 2 42"	TRENCH DRAIN
PAY ITEM NO.	50104400	54248510	55100500	60100060	60201340	60219000	60258200	60500050	550A0360	550A0470	JT601900
UNIT	EACH	CU YD	FOOT	EACH	EACH	EACH	EACH	EACH	FOOT	FOOT	FOOT
SHEET NO.											
Pre-Stage	0	0.00	0	0	0	0	0	0	0	0	0
Stage 1	1	0.73	7	2	6	1	1	2	461	32	90
Plaza 35	0	0	0	0	0	0	0	0	0	0	0
USE AT ENGINEER'S DISCRETION	0	0.00	0	0	0	0	0	0	0	0	0
TOTAL	1	0.73	7	2	6	1	1	2	461	32	90

TEMPORARY RIPRAP DETAIL



TEMPORARY RIPRAP SCHEDULE OF QUANTITIES

Location	W1 (ft)	W2 (ft)	La (ft)	d (in)	A (in)	Size	Class
221 CD	2	6	32	15	8	RR3	A or B

PLOT DATE = 5/11/2020 PLOT TIME = 10:58:26 AM PLOT SCALE = 100.0000' / 1" FILE NAME = p:\a\ecdm-na-pm\benley\com\ecdm\0516\NA\Documents\60545817-Central Tri-States DCM\0400 Work Packages\1-17-1300-565\32 - 4496 CD0A Package 2\01 - DDNL2 - SHIT\05 - Erosion Control\1300-4496-SHT-EROSCH-001-AVE.dgn

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CONTRACT NO. I-19-4496
EROSION AND SEDIMENT CONTROL PLANS
SCHEDULE OF QUANTITIES

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