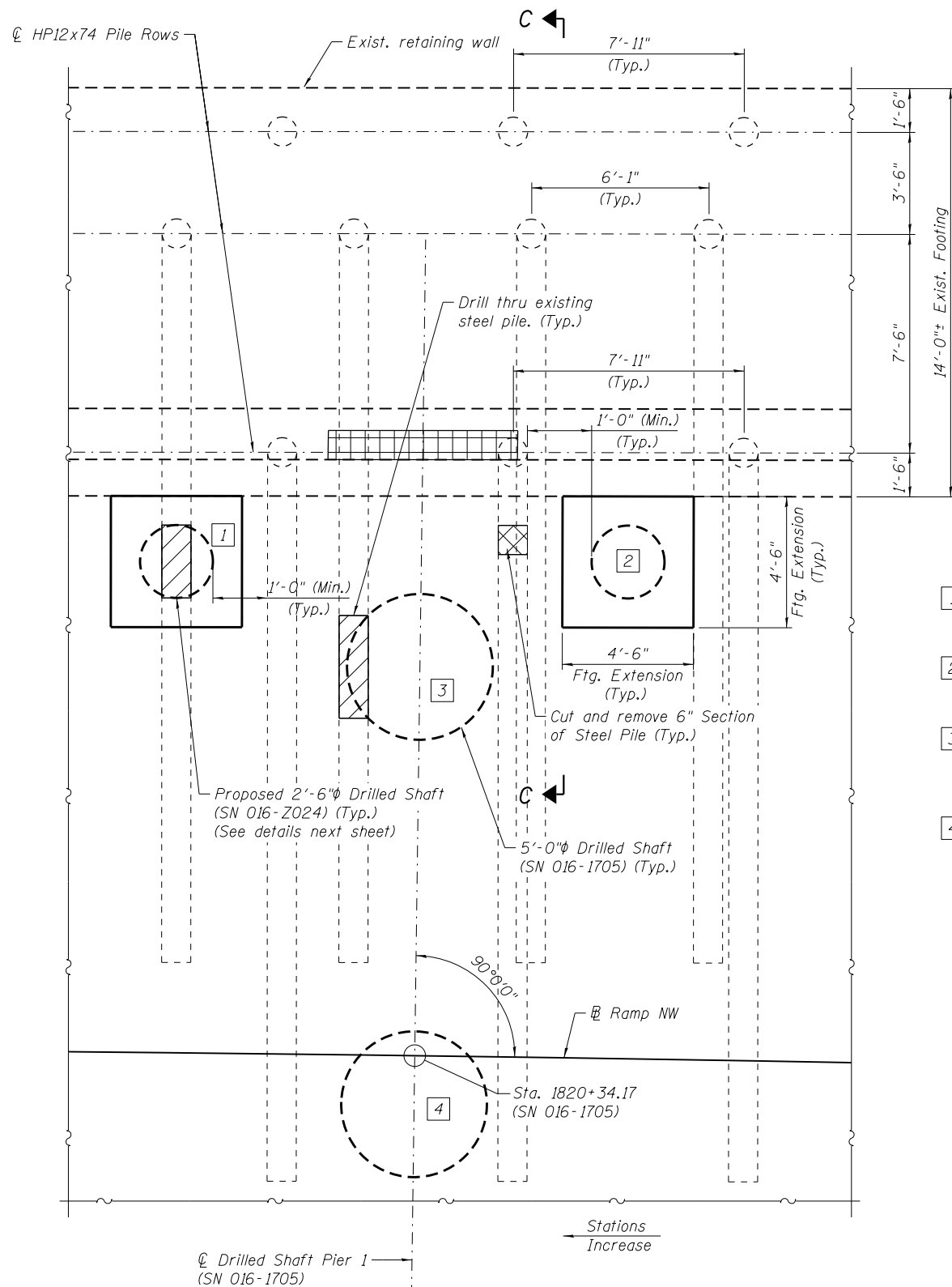


ANTICIPATED SEQUENCE OF CONSTRUCTION

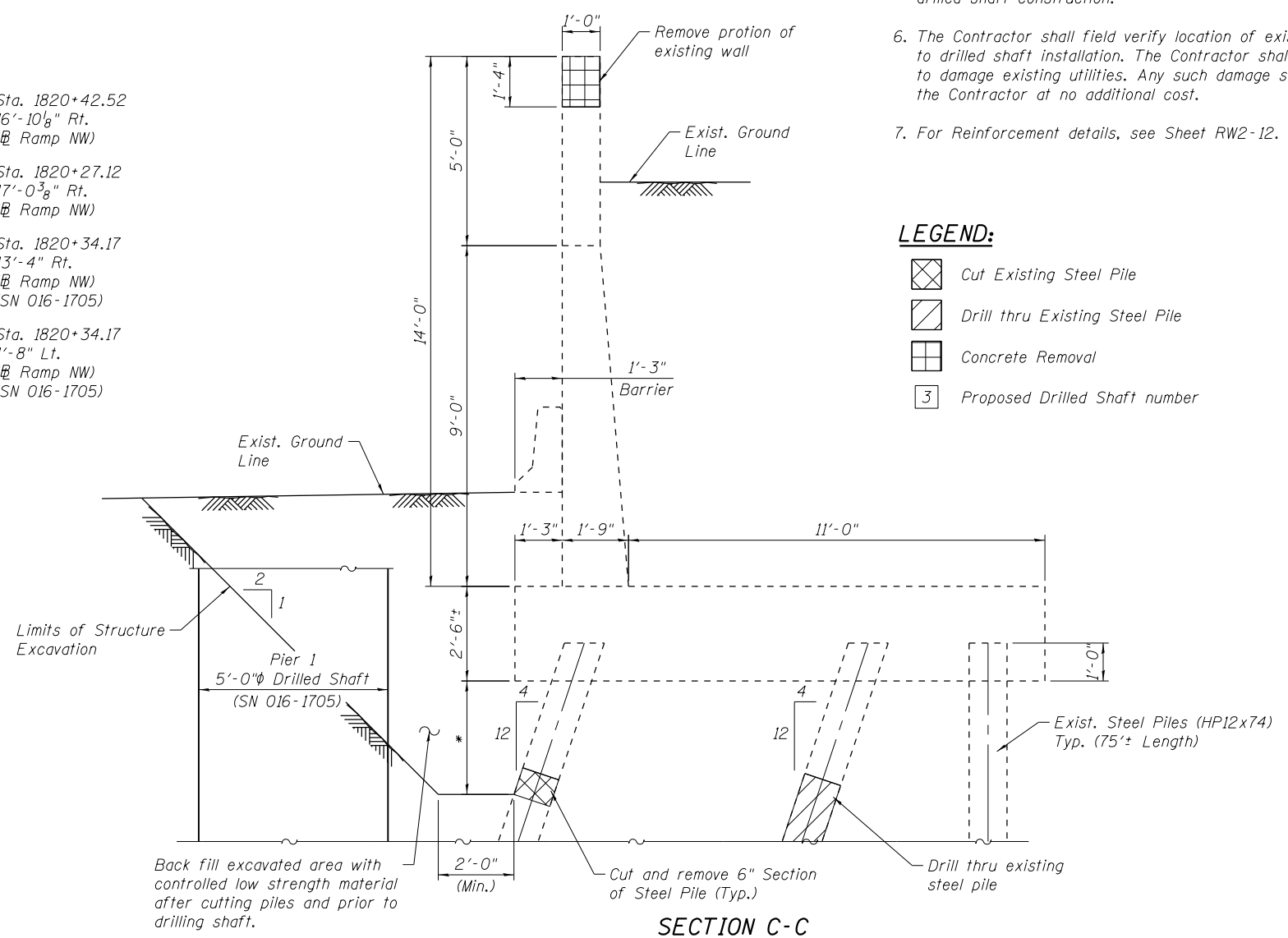
- Excavate to a maximum depth of 3'-0" below existing bottom of footing and expose front row of existing battered HP12x74 piles.
- Contractor to locate proposed 2'-6"φ Drilled Shafts [1] & [2] as close to plan dimension as possible providing a minimum 1'-0" clear zone to existing front row battered piles.
- Drill proposed 2'-6"φ Drilled Shaft [1] between existing front row battered piles. Contractor to drill directly thru existing middle row battered piles limiting conflict to a maximum 1 middle row pile.
- Place reinforcement and concrete in Drilled Shaft [1].
- Drill & epoxy grout dowel bars into existing footing. Place reinforcement and concrete in footing extension.
- Drill proposed 2'-6"φ Drilled Shaft [2] between existing front row battered piles. If required, Contractor to drill directly thru existing middle row battered piles limiting conflict to a maximum 1 middle row pile.
- Place reinforcement and concrete in Drilled Shaft [2].
- Drill & epoxy grout dowel bars into existing footing. Place reinforcement and concrete in footing extension.
- Cut a 6" section in length of the existing front row battered pile in conflict with proposed SN 016-1705 5'-0"φ Drilled Shafts [3] & [4] to separate the pile from the existing footing.
- Backfill excavated area with controlled low strength material.
- Drill and construct proposed SN 016-1705 Drilled Shafts [3] & [4].
- Remove portion of existing wall in conflict with SN 016-1705 Pier 1 construction.

NOTES:

- Cutting steel piles will not be paid for separately and will be included in cost of pay item Structure Excavation.
- Controlled low strength material (CLSM) will not be paid for separately and will be included in cost of pay item Structural Excavation. Backfill excavated area with CLSM in accordance with section 1019 of the Standard Specifications.
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- The Contractor shall take precautions to not to damage existing retaining wall during construction. The Contractor is responsible for the structural integrity and stability of the existing retaining wall. Any damage to the existing retaining wall shall be repaired by the contractor at no additional cost.
- Prior to cutting any existing piles, the Contractor shall layout proposed Pier 1 (SN 016-1705) drilled shaft in the field and determine existing retaining wall piles impacted by drilled shaft construction. The Contractor shall immediately notify the Engineer if more than six existing piles are impacted by the proposed Pier 1 drilled shaft construction.
- The Contractor shall field verify location of existing utilities prior to drilled shaft installation. The Contractor shall take precautions not to damage existing utilities. Any such damage shall be repaired by the Contractor at no additional cost.
- For Reinforcement details, see Sheet RW2-12.



- [1] Sta. 1820+42.52
16'-10³/₈" Rt.
(Ramp NW)
- [2] Sta. 1820+27.12
17'-0³/₈" Rt.
(Ramp NW)
- [3] Sta. 1820+34.17
13'-4" Rt.
(Ramp NW)
(SN 016-1705)
- [4] Sta. 1820+34.17
1'-8" Lt.
(Ramp NW)
(SN 016-1705)



LEGEND:

- Cut Existing Steel Pile
- Drill thru Existing Steel Pile
- Concrete Removal
- Proposed Drilled Shaft number

* Minimize depth of excavation, 3'-0" Max.

016Z024-60W28-RW2-11



USER NAME = dunkerleyb	DESIGNED - ATB	REVISED
PLOT SCALE = N.T.S.	CHECKED - EJO	REVISED
PLOT DATE = 3/20/2014	DRAWN - MRK	REVISED
	CHECKED - ATB	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FOUNDATION DETAILS - III
STRUCTURE NO. 016-2024**
SHEET NO. RW2-11 OF RW2-12 SHEETS

F.A.I. RTE. 90/94/290	SECTION 2013-010R	COUNTY COOK	TOTAL SHEETS 747	SHEET NO. 543
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT	