SUBSET 04 - STRUCTURE
INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
S-01	INDEX OF DRAWINGS		
S-02	CULVERT CROSS SECTIONS		
S-03	MISCELLANEOUS DETAILS		

DESIGNED BY:
RHS CONSULTING DESIGN, LLC
345 HIGHLAND AVE.
CHESHIRE, CT 06410

RHS

Rifat H. Saleh, P.E.
2024.09.24 10:42:26-04'00'

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: D.A.S. CHECKED BY: R.H.S.

SIGNATURE/ BLOCK:

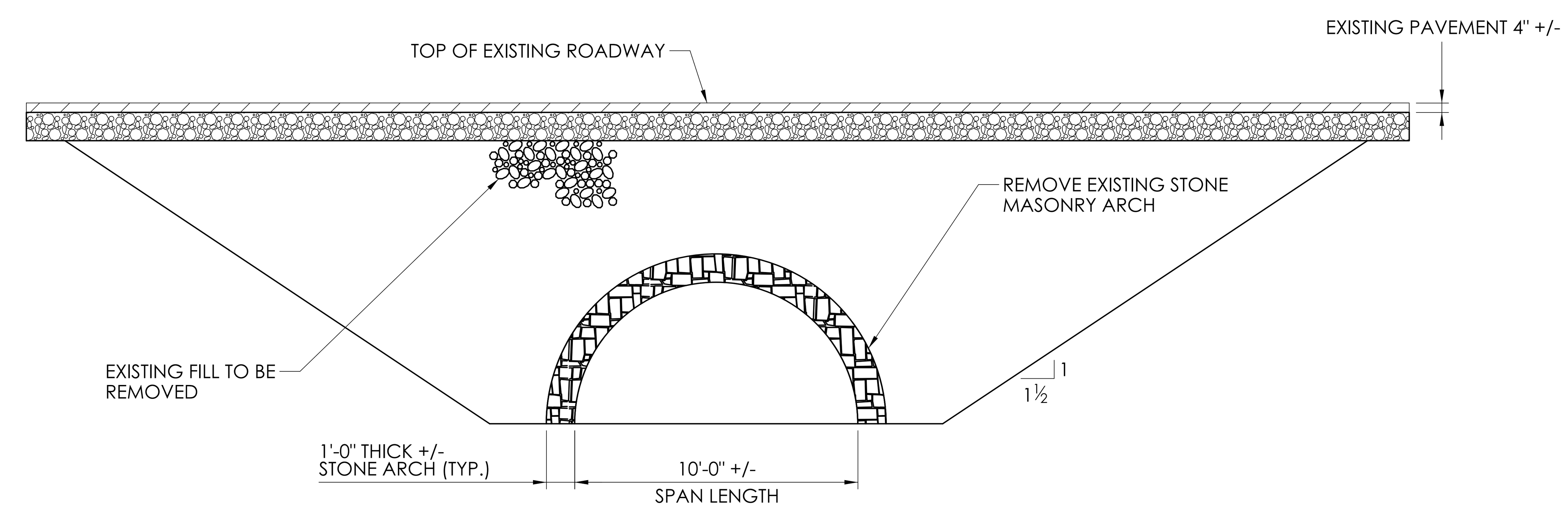
RHS

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0134-0153
PROJECT DESCRIPTION: CULVERT UNDER ROUTE 190
TOWN(S): STAFFORD
DRAWING TITLE: INDEX OF DRAWINGS

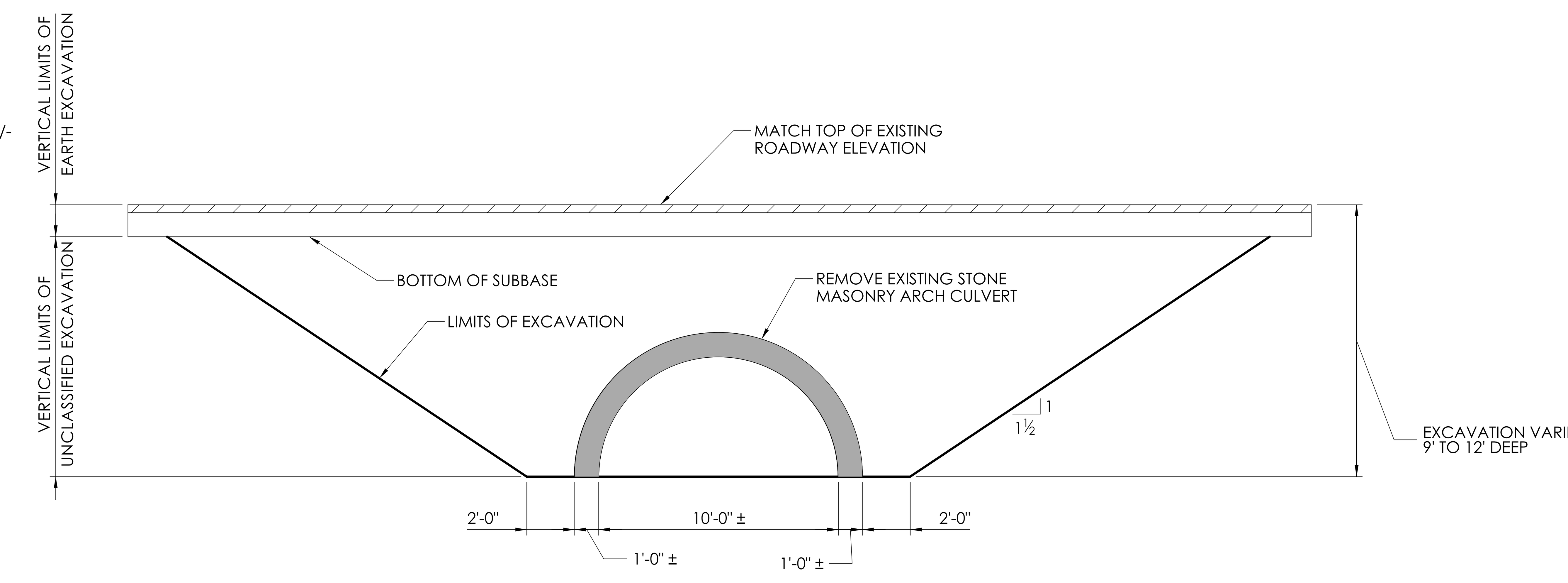
DRAWING NO. S-01
SHEET NO. 04.01

LASTED SAVED BY: dschm **FILE NAME:** Y:\Projects\R125-7A CHA_0134_0153 Stafford Springs Culvert Abandonment\DGN\90% Submission\SB_CP_0134_0153_StructureSubset.dgn
PLOTTED DATE: 8/22/2024



EXISTING CROSS SECTION OF ARCHWAY CROSSING LIMITS OF REMOVAL

SCALE: ½" =1'-0"



PAY LIMITS

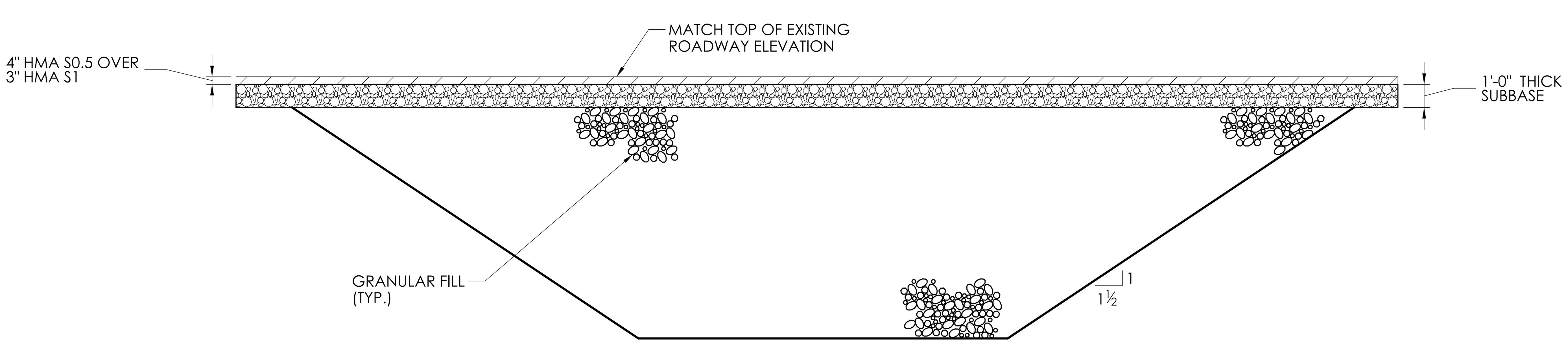
SCALE: ½" =1'-0"

NOTE:

UNCLASSIFIED EXCAVATION SHALL INCLUDED THE EXCAVATION OF MATERIAL BELOW EXISTING SUBBASE TO THE LIMITS SHOWN ON THIS DETAIL, INCLUDINGTHE REMOVAL OF THE EXISTING STONE MASONRY ARCH CULVERT.

NOTE:

LIMITS OF REMOVAL OF THE EXISTING DRY STONE MASONRY ARCH SHALL BE PAID FOR UNDER ITEM #0202401 "UNCLASSIFIED EXCAVATION" - C.Y.



PROPOSED CROSS SECTION OF ARCHWAY CROSSING

SCALE: ½" =1'-0"

GENERAL NOTES

SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 818 (2020); SUPPLEMENTAL SPECIFICATIONS, DATED JULY 2023, AND SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 9TH EDITION, AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL (2003), WITH 2024 INTERIMS.

MATERIAL STRENGTHS:
CONCRETE:
CLASS PCC03340 f'c = 3,000 PSI

THE CONCRETE STRENGTH, f'c, USED IN DESIGN OF THE CONCRETE COMPONENTS IS NOTED ABOVE. THE COMPRESSIVE STRENGTH OF THE CONCRETE IN THE CONSTRUCTED COMPONENTS SHALL CONFORM TO THE REQUIREMENTS OF 6.01 CONCRETE FOR STRUCTURES, AND M.03 PORTLAND CEMENT CONCRETE.

REINFORCEMENT: (ASTM A615 GRADE 60) fy = 60,000 PSI

LIVE LOAD: HL-93

DIMENSIONS: WHEN DECIMAL DIMENSIONS ARE GIVEN TO LESS THAN THREE DECIMAL PLACES, THE OMITTED DIGITS SHALL BE ASSUMED TO BE ZEROS.

EXISTING DIMENSIONS: THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT DUE TO THE NATURE OF REHABILITATION PROJECTS, THE EXACT EXTENT OF REHABILITATION WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. DIMENSIONS, ANGLES AND ELEVATIONS OF THE EXISTING STRUCTURE SHOWN ON THESE PLANS ARE FOR GENERAL REFERENCE ONLY. THEY HAVE BEEN TAKEN FROM THE ORIGINAL DESIGN DRAWINGS, LIMITED FIELD INVESTIGATIONS AND BRIDGE INSPECTION REPORTS AVAILABLE AT THE TIME AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL TAKE ALL FIELD MEASUREMENTS NECESSARY TO ASSURE PROPER FIT OF THE FINISHED WORK AND SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY. WHEN SHOP DRAWINGS BASED ON FIELD MEASUREMENTS ARE SUBMITTED FOR APPROVAL, THE FIELD MEASUREMENTS SHALL ALSO BE SUBMITTED FOR REFERENCE BY THE REVIEWER.

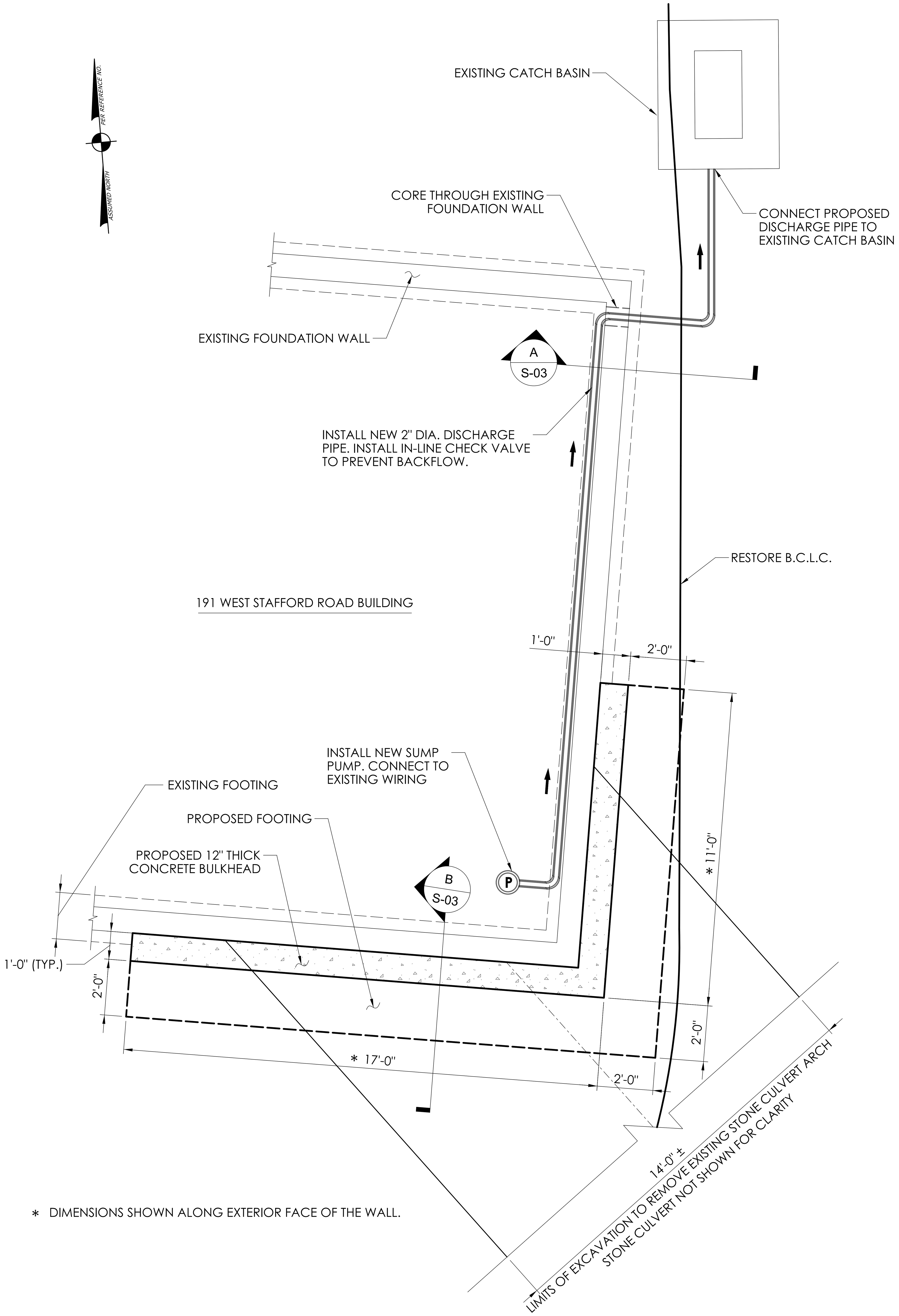
CONCRETE NOTES

CONCRETE: CLASS PCC03340 SHALL BE USED FOR THE BULKHEAD WALL CONSTRUCTED AT THE SOUTHEAST CORNER OF THE BUILDING LOCATED AT 191 W. STAFFORD ROAD.

EXPOSED EDGES: EXPOSED EDGES OF CONCRETE SHALL BE BEVELED ¾" X ¾" UNLESS NOTED OTHERWISE.

CONCRETE COVER: ALL REINFORCEMENT SHALL HAVE TWO INCHES COVER UNLESS DIMENSIONED OTHERWISE.

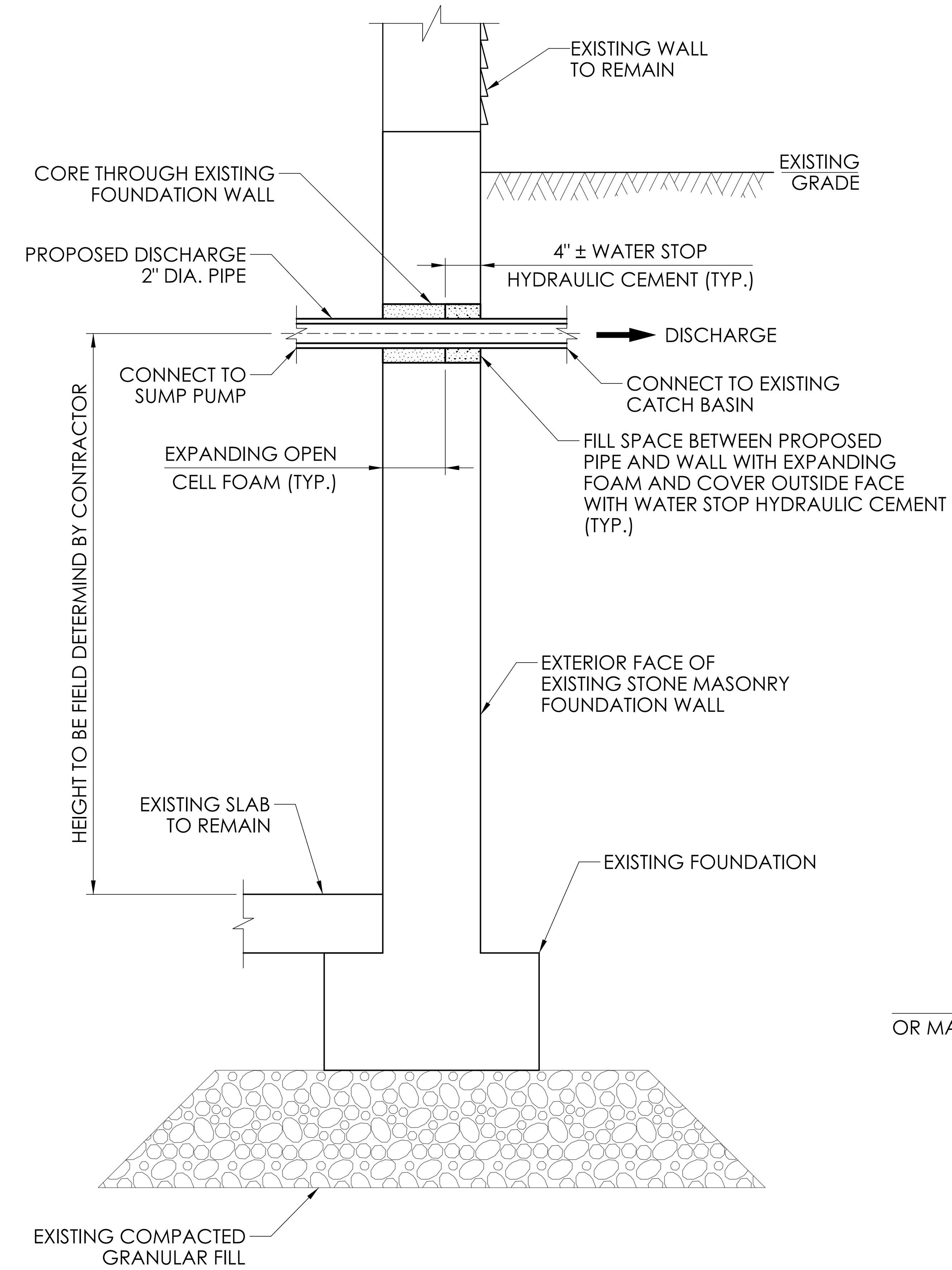
REV.	DATE	REVISION DESCRIPTION



* DIMENSIONS SHOWN ALONG EXTERIOR FACE OF THE WALL.

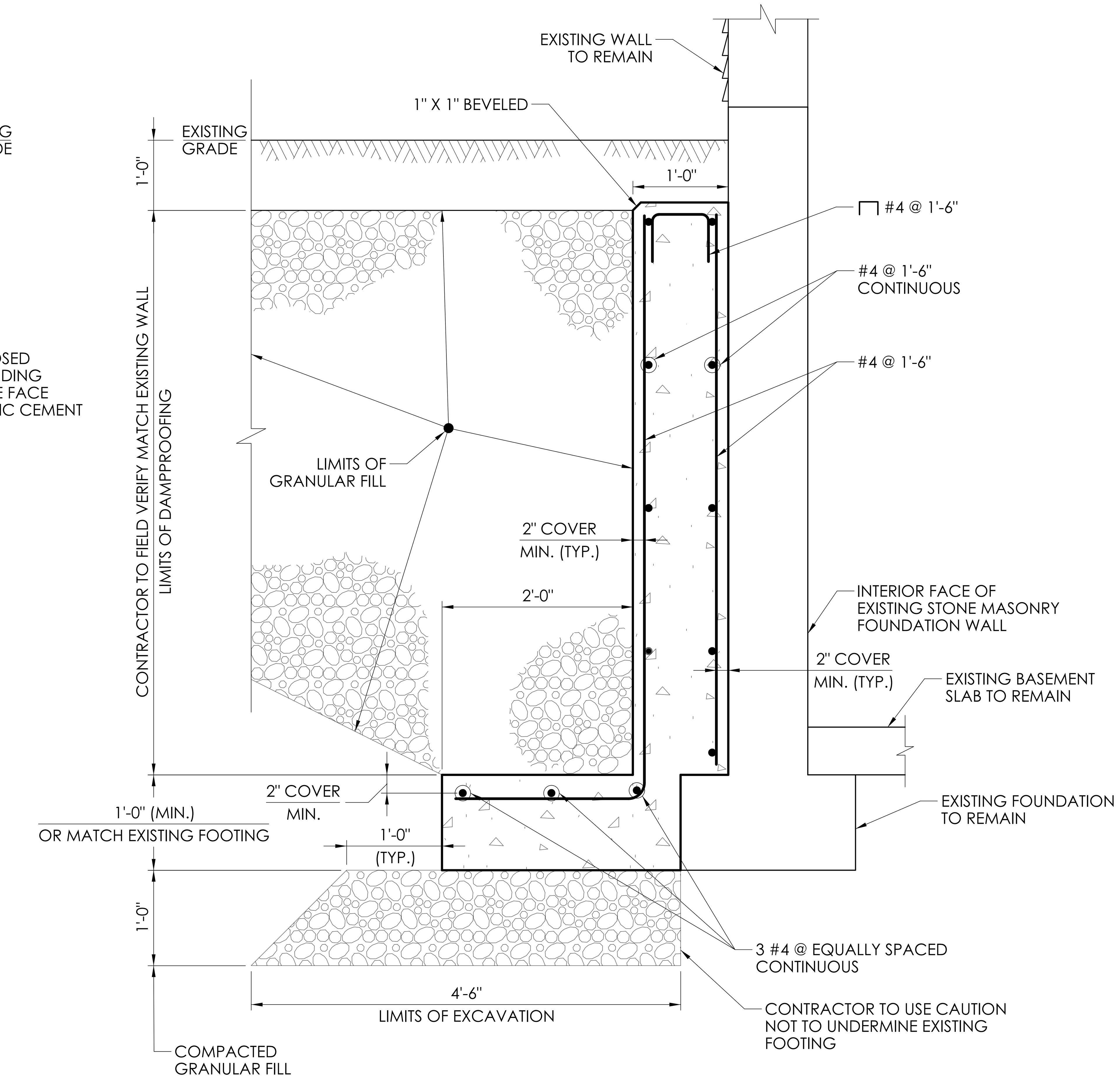
BASEMENT PLAN

SCALE: 3/8" =1'-0"



SECTION A

SCALE: 1" =1'-0"



SECTION B

SCALE: 1" =1'-0"

BULKHEAD

NOTES:

1. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNER FOR THE INSTALLATION OF THE NEW SUMP PUMP AND PIPING WITHIN THE BASEMENT OF THE BUILDING.
2. COST FOR REMOVING EXISTING SUMP PUMP AND DISCHARGE PIPE, INSTALLATION OF NEW SUMP PUMP, DISCHARGE PIPE AND CHECK VALVE, AND CONNECTION TO EXISTING WIRING SHALL BE INCLUDED UNDER ITEM #0100255A -"SUMP PUMP".
3. THE EXISTING STONE FOUNDATION SHALL BE MONITORED THROUGHOUT CONSTRUCTION IN ACCORDANCE WITH THE SPECIAL PROVISION FOR ITEM #0714999A "MONITORING STRUCTURES".

CONCRETE NOTES

CONCRETE: CLASS PCC03340 SHALL BE USED FOR THE BULKHEAD WALL AND FOOTING CONSTRUCTED AT THE SOUTHEAST CORNER OF THE BUILDING LOCATED AT 191 W. STAFFORD ROAD.

EXPOSED EDGES: EXPOSED EDGES OF CONCRETE SHALL BE BEVELED 3/4" X 3/4" UNLESS NOTED OTHERWISE.

CONCRETE COVER: ALL REINFORCEMENT SHALL HAVE TWO INCHES COVER UNLESS DIMENSIONED OTHERWISE.

REV. | DATE | REVISION DESCRIPTION

DESIGNER/DRAFTER: D.A.S. CHECKED BY: R.H.S.

SIGNATURE/ BLOCK: RHS

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0134-0153
PROJECT DESCRIPTION: CULVERT UNDER ROUTE 190
TOWN(S): STAFFORD
DRAWING TITLE: MISCELLANEOUS DETAILS

DRAWING NO. S-03
SHEET NO. 04.03

LASTED SAVED BY: dschm FILE NAME: Y:\Projects\R125-7A CHA_0134_0153 Stafford Springs Culvert Abandonment\DGN\90% Submission\SB_CP_0134_0153_StructureSubset.dgn
PLOTTED DATE: 9/23/2024