MICROPILE GENERAL NOTES

DESIGN BASIS

A. 2015 INTERNATIONAL BUILDING CODE

. REFERENCE CODES:

A. AISC-ASD STEEL MANUAL, 9TH EDITION

- B. ACI 318-11 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
- C. PUBLICATION NO. FHWA-SA-97-070 "MICROPILE DESIGN AND CONSTRUCTION GUIDELINES."

A. SOIL INFORMATION WAS DERIVED FROM THE GEOTECHNICAL ENGINEERING REPORT TITLED PREPARED BY NORTHWEST COLORADO CONSULTANTS, INC. (NWCC JOB NUMBER: 20-12000) DATED 12/30/2020.

4. MATERIALS:

SHALL MEET ASTM A 615/AASHTO M31 (GR. 75) OR ASTM A 722/AASHTO M275 (GR. 150) SPECIFICATIONS. MINIMUM THICKNESS OF EPOXY COATING SHALL BE 0.010 INCH. EPOXY COATING SHALL BE IN ACCORDANCE WITH ASTM A775 OR ASTM A934. CENTRALIZERS SHALL BE PROVIDED FOR ALL MICROPILES AS INDICATED PER

- SPECIFICATIONS (MINIMUM YIELD STRESS OF 80 KSI). API PIPE SHALL BE FREE FROM DEFECTS AND
- . $\,$ ALL DIMENSIONS ON DRAWINGS SHALL BE VERIFIED BY GENERAL CONTRACTOR PRIOR TO BEGINNING OF WORK.

INCLUDE TOTAL DEPTH, GROUT PRESSURE (PRIMARY AND POST GROUT), GROUT QUANTITIES (PRIMARY AND

- THE REQUIREMENTS OF THE LATEST EDITION OF THE "OSHA CONSTRUCTION STANDARDS", SHALL BE COMPLIED WITH

BY ALL CONTRACTORS, FABRICATORS AND SUPPLIERS

IN THE SEQUENCE INDICATED BELOW. **EQUIPMENT**

RECORDED BY TWO DIAL GAGES WITH A MINIMUM RESOLUTION OF 0.001 INCHES VERIFICATION COMPRESSION LOAD TEST LOADING SEQUENCE

NCREMENT	LOAD	HOLD TIME	INCREMENT	LOAD	HOLD TIME
1	AL (0.10 P)	1 MINUTE	17	1.00 P	1 MINUTE
2	0.25 P	1 MINUTE	18	1.25 P	1 MINUTE
3	0.50 P	1 MINUTE	19	AL	1 MINUTE
4	AL	1 MINUTE	20	0.25 P	1 MINUTE
5	0.25 P	1 MINUTE	21	1.00 P	1 MINUTE
6	0.50 P	1 MINUTE	22	1.25 P	1 MINUTE
7	0.75 P	1 MINUTE	23	1.33 P	60 MINUTES (CREEP TEST LOAD HOLD)
8	AL	1 MINUTE	24	AL	1 MINUTE
9	0.25 P	1 MINUTE	25	0.25 P	1 MINUTE
10	0.50 P	1 MINUTE	26	0.50 P	1 MINUTE
11	0.75 P	1 MINUTE	27	0.75 P	1 MINUTE
12	1.00 P	1 MINUTE	28	1.00 P	1 MINUTE
13	AL	1 MINUTE	29	1.25 P	1 MINUTE
14	0.25 P	1 MINUTE	30	1.50 P	1 MINUTE
15	0.50 P	1 MINUTE	31	1.75 P	1 MINUTE
16	0.75 P	1 MINUTE	32	2.00 P	10 MINUTE
			33	AL	1 MINUTE

1 KIP = 1,000 POUNDS = 0.50 TONS

P = 54 KIPS (SERVICE LOAD) AL = ALIGNMENT LOAD



Caisson Drilling, Excavation Shoring, Tieback Anchors

9512 TITAN PARK CIRCLE LITTLETON, COLORADO 80125

> TEL: 303-791-9911 FAX: 303-791-0967

PROPOSED MICROPILES SSRC - BASE AREA IMPROVEMENTS 2305 MOUNT WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487

SHEET NO. INDEX OF SHEETS **XBS - 1 COVER SHEET**

XBS - 2 PLAN VIEW & DETAILS

FOR SAUNDERS CONSTRUCTION INC. 86 INVERNESS PLACE NORTH CENTENNIAL, CO 80112 PH: 303-699-9000

BEFORE CONSTRUCTION COMMENCES, A UTILITY LOCATE MUST BE PERFORMED TO FIELD VERIFY THE LOCATION OF ALL UTILITIES IN THE VICINITY OF THE SITE. THE EARTH RETENTION DESIGN WILL BE REVIEWED AND DRAWINGS REVISED, IF REQUIRED, WHEN FINAL UTILITY LOCATIONS BECOMES AVAILABLE

DIMENSIONS OBTAINED FROM RFI - 025 DATED JUNE 21, 2021: MARTIN / MARTIN ENGINEERS (STRUCTURAL)

0.	DATE	REVISIONS DESCRIPTION
Λ	07-12-21	ADJUST MICROPILES PER EMAILS FROM MARTIN / MARTIN DATED 07/07/21 AND 07/09/21. MOVE LOCATION OF MICROPILES PER RESULTS FROM LOAD TEST

This drawing, as an instrument of professional service, is the property of Coggins & Sons, Inc. It is furnished to the General Contractor for information purposes and for approval for construction by Coggins & Sons, Inc. of the excavation retention for the designated project only. It shall be returned to Coggins & Sons upon demand.



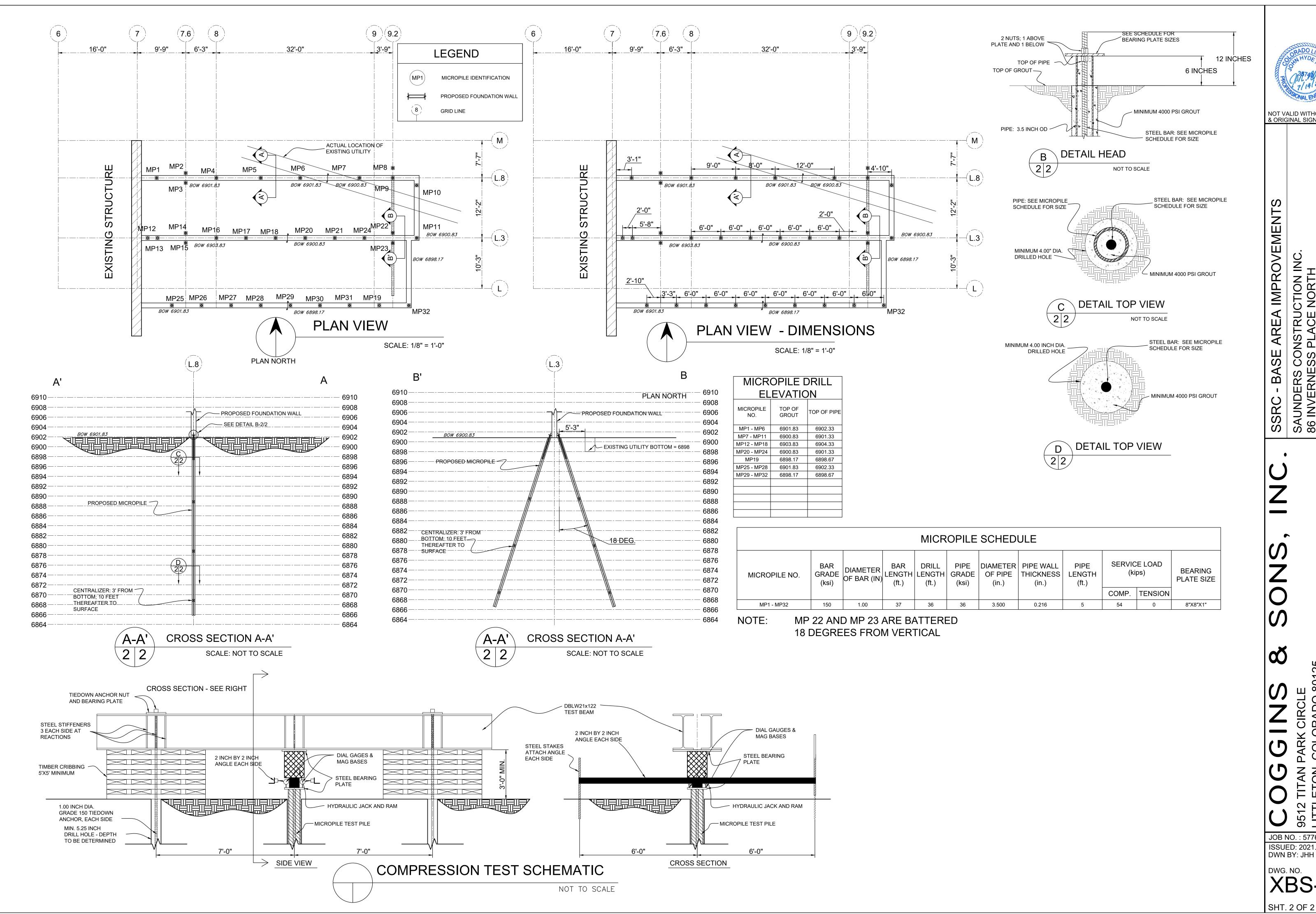
& ORIGINAL SIGNATURE

A IMPROVEME

JOB NO. : 5776 ISSUED: 2021.07.06 DWN BY: JHH

DWG. NO. XBS-

SHT. 1 OF 2



NOT VALID WITHOUT DATE & ORIGINAL SIGNATURE

AREA IMPROVEMENT S CONSTRUCTION INC. ESS PLACE NORTH AL, CO 80112 SAUNDE 86 INVE CENTER PH: 303-

JOB NO.: 5776 ISSUED: 2021.07.06 DWN BY: JHH

DWG. NO.