

**BRYAN ARCHITECTS AND ASSOCIATES**

10070 PASADENA AVENUE, SUITE 1  
CUPERTINO, CALIFORNIA 95014-5917  
408 / 257-7500

**NESTLDOWN RANCH**

22420- 22430 OLD SANTA CRUZ HIGHWAY  
UNINCORPORATED  
SANTA CLARA COUNTY CALIFORNIA

BUZZ BRYAN, ARCHITECT C20561

REVISIONS		
BY	REVISIONS	DATE
1		

IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING WILL HAVE BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.

Scale: AS NOTED

DRAWN BY: DATE: 9/22/2017

CHKD BY: JOB:

BRIDAL OFFICE

**OS.05**  
SHEET NO.

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Printed On: 9/22/2017



**BUILDING SUMMARY:**

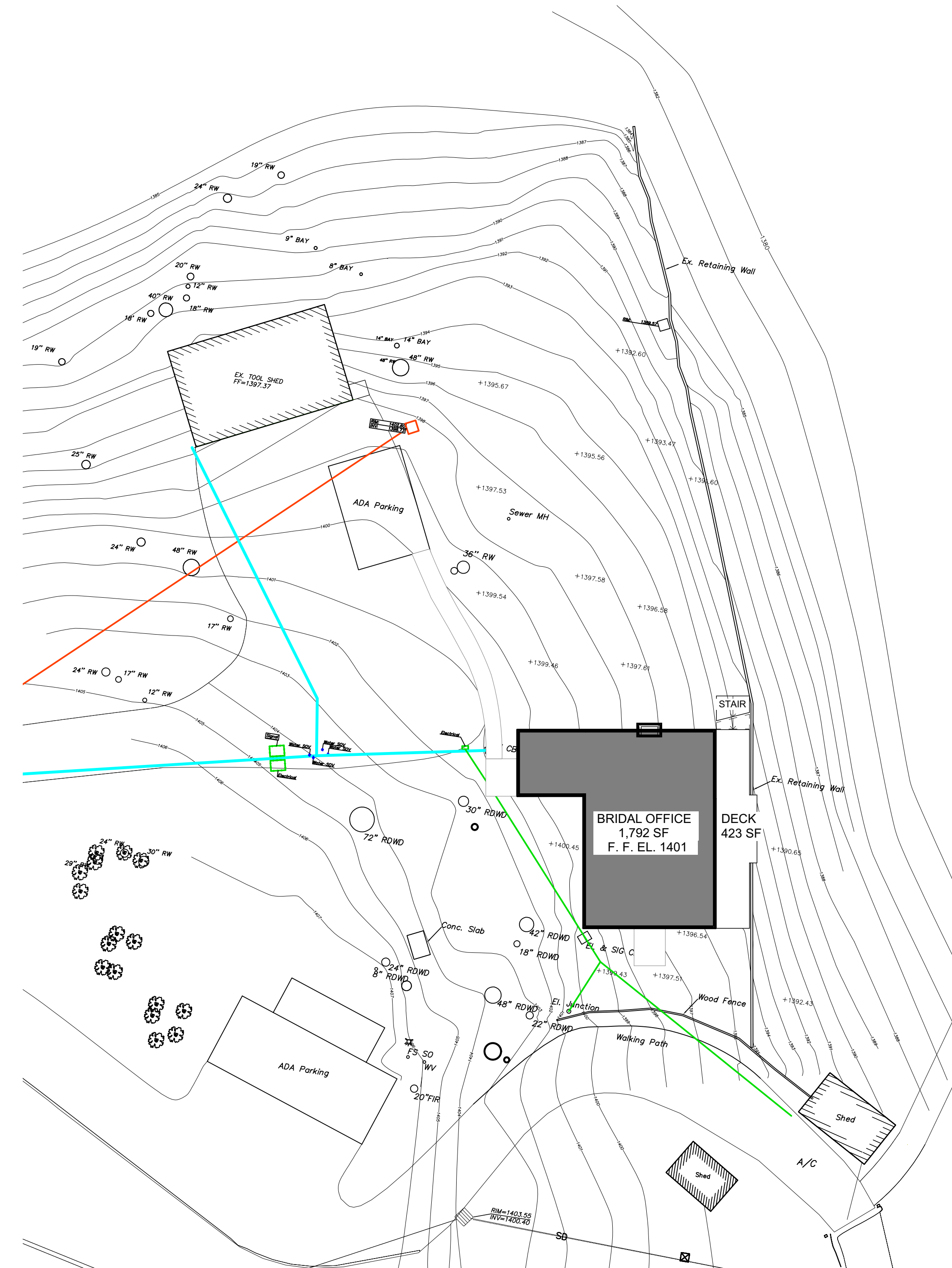
**OWNER:**  
NESTLDOWN RANCH, LLC.

**USE:** NON-RESID. OFFICE  
**ZONE:** H AND HS-D1  
**APN:** 558-05-022  
558-05-025

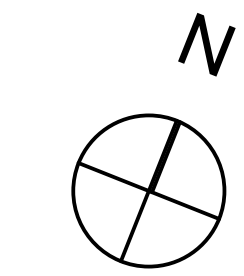
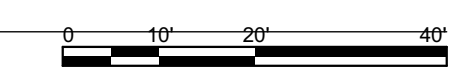
**SITE AREA:** 35 ACRES  
**PROPOSED BLDG AREA:**  
BRIDAL OFC 1,792 SF  
DECK 423 SF

**PARKING:**  
REQ'D 118 REGULAR  
PER CUP EXHIBIT B  
ITEM 4. 5 ACCESSIBLE  
TOTAL 123  
SEE CUP#5624-12P-12A-12G

**FIRE SPRINKLER REQUIRED**  
NFPA 13 (deferred  
submittal)



**1 SITE PLAN**  
SP.01 SCALE: 1" = 20'



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**22420- 22430 OLD SANTA CRUZ HIGHWAY**

**UNINCORPORATED SANTA CLARA COUNTY CALIFORNIA**

**BRIDAL DRESSING BUILDING - PC# 0000-2016**

BUZZ BRYAN, ARCHITECT C20561

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CHKD BY: JOB:

**SITE / ROOF PLAN / SURVEY & DETAILS**

**SP.01**  
SHEET NO.

**NESTLDOWN  
RANCH**

**22420- 22430 OLD  
SANTA CRUZ  
HIGHWAY**

**UNINCORPORATED  
SANTA CLARA COUNTY  
CALIFORNIA**

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BUILDING - PC# 0000-2016**

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Scale: AS NOTED

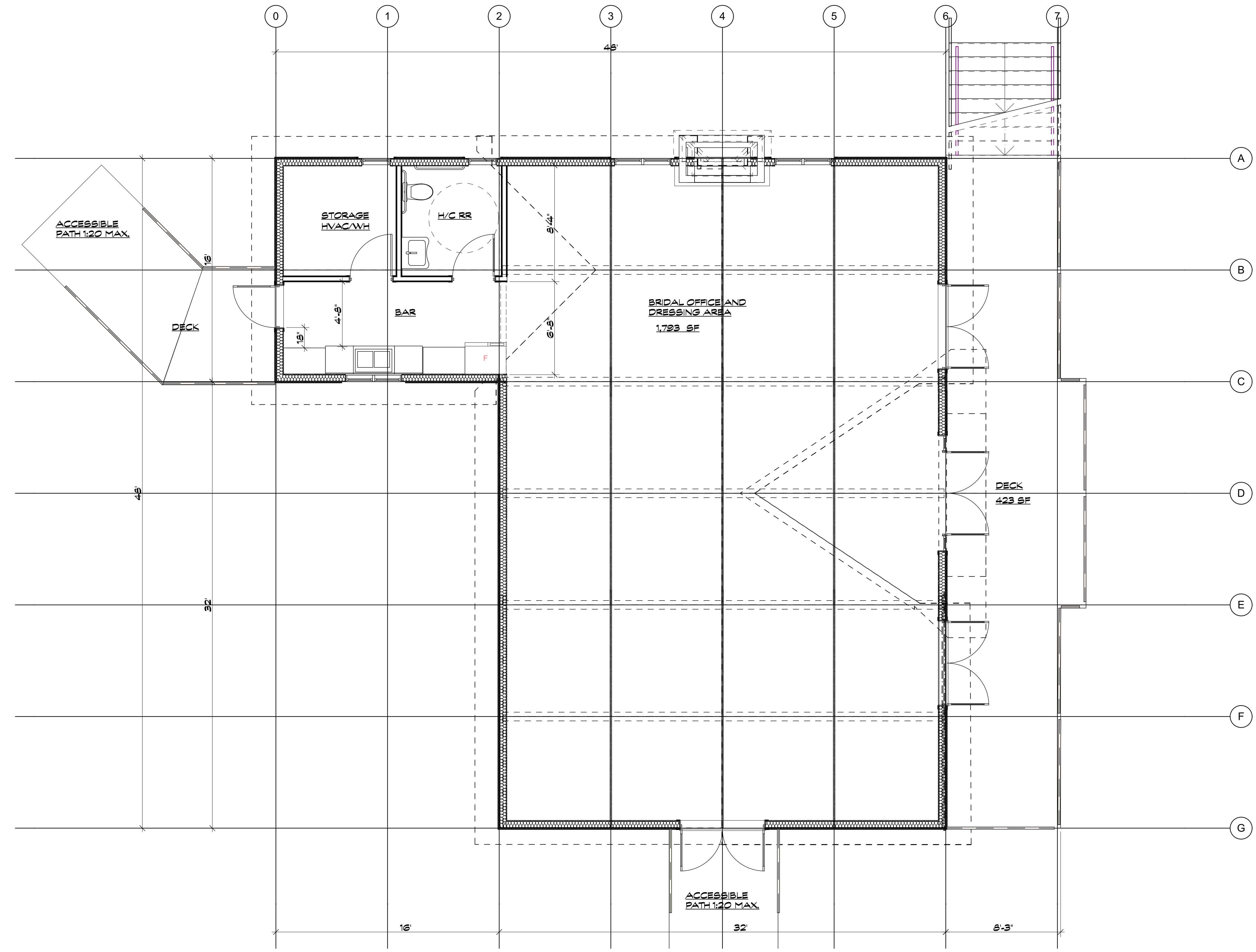
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CHKD BY: JOB:

FLOOR PLANS

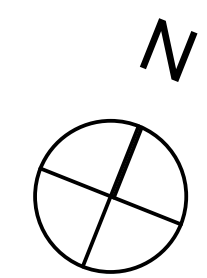
**A.01**

SHEET NO.



**FLOOR PLAN**

1 SCALE: 1/4" = 1'-0"





**NESTLDOWN RANCH**

**22420- 22430 OLD SANTA CRUZ HIGHWAY**

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Scale: AS NOTED

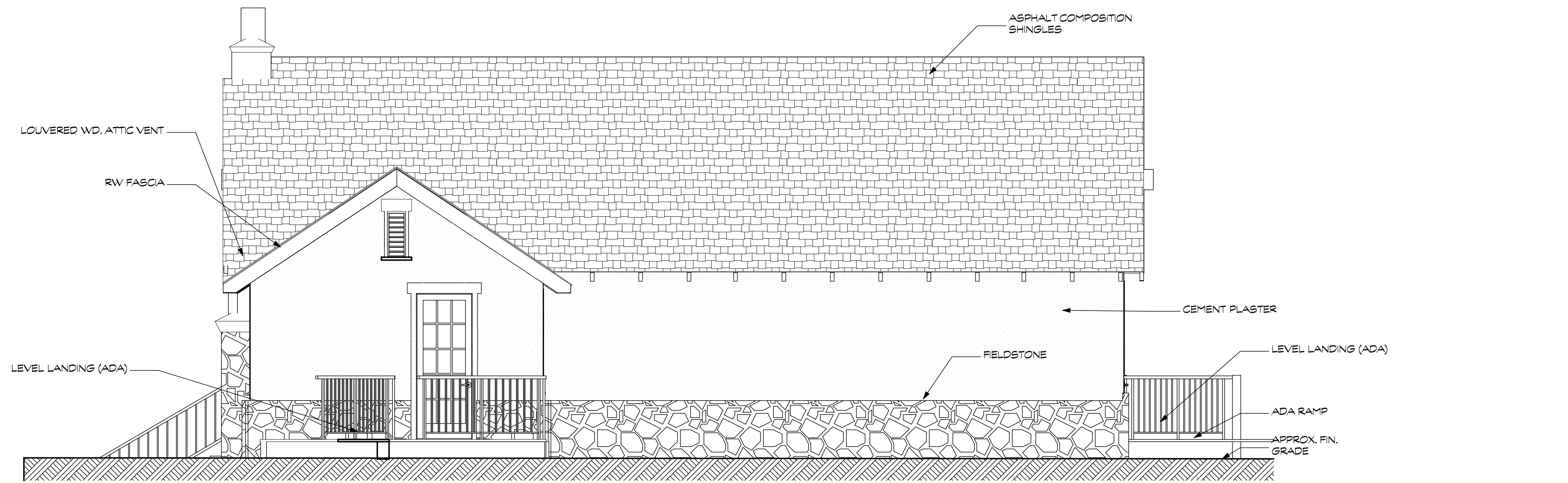
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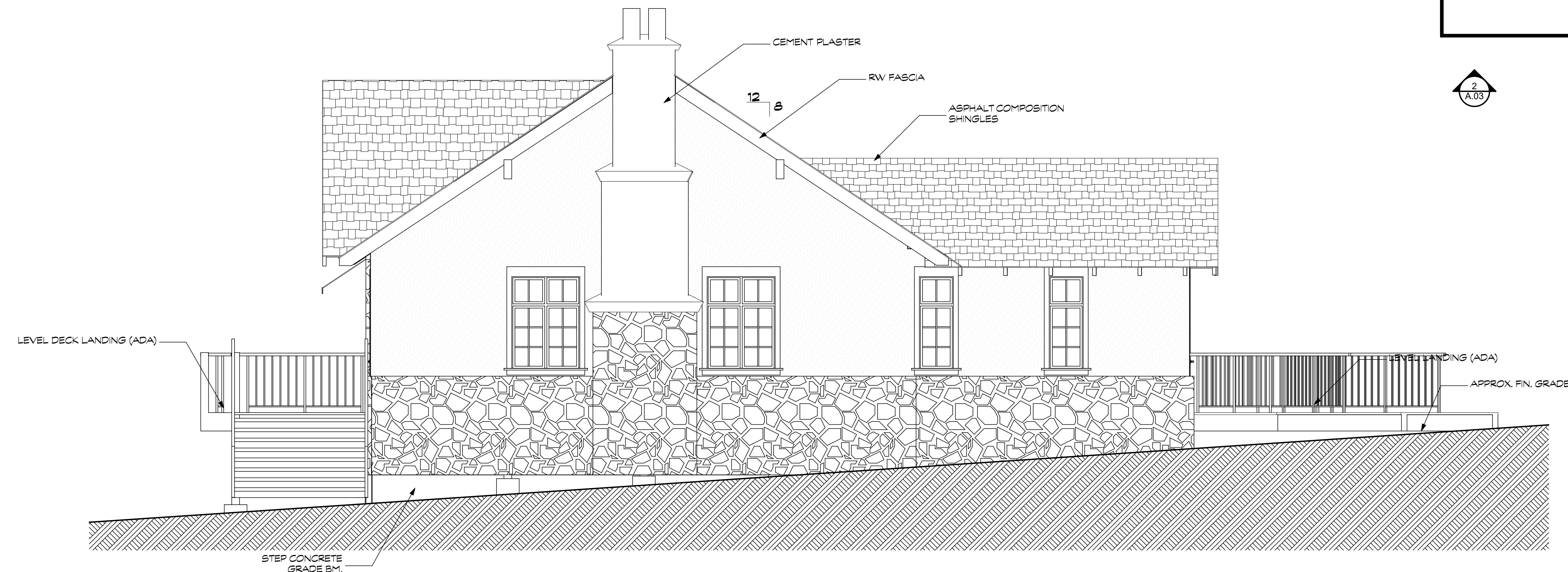
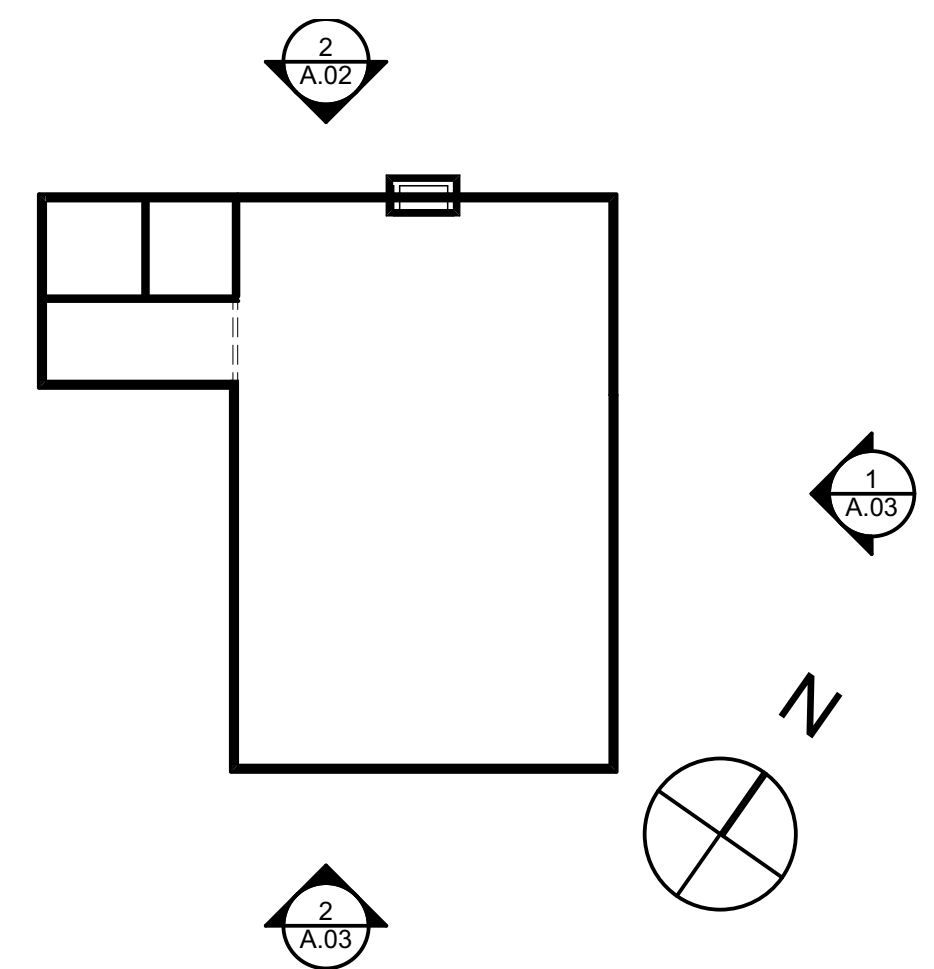
**BUILDING ELEVATIONS**

**A.02**

SHEET NO.



**1 WEST ELEVATION**  
SCALE: 1/4" = 1'-0"



**2 NORTH ELEVATION**  
SCALE: 1/4" = 1'-0"



**NESTLDOWN RANCH**

**22420- 22430 OLD SANTA CRUZ HIGHWAY**

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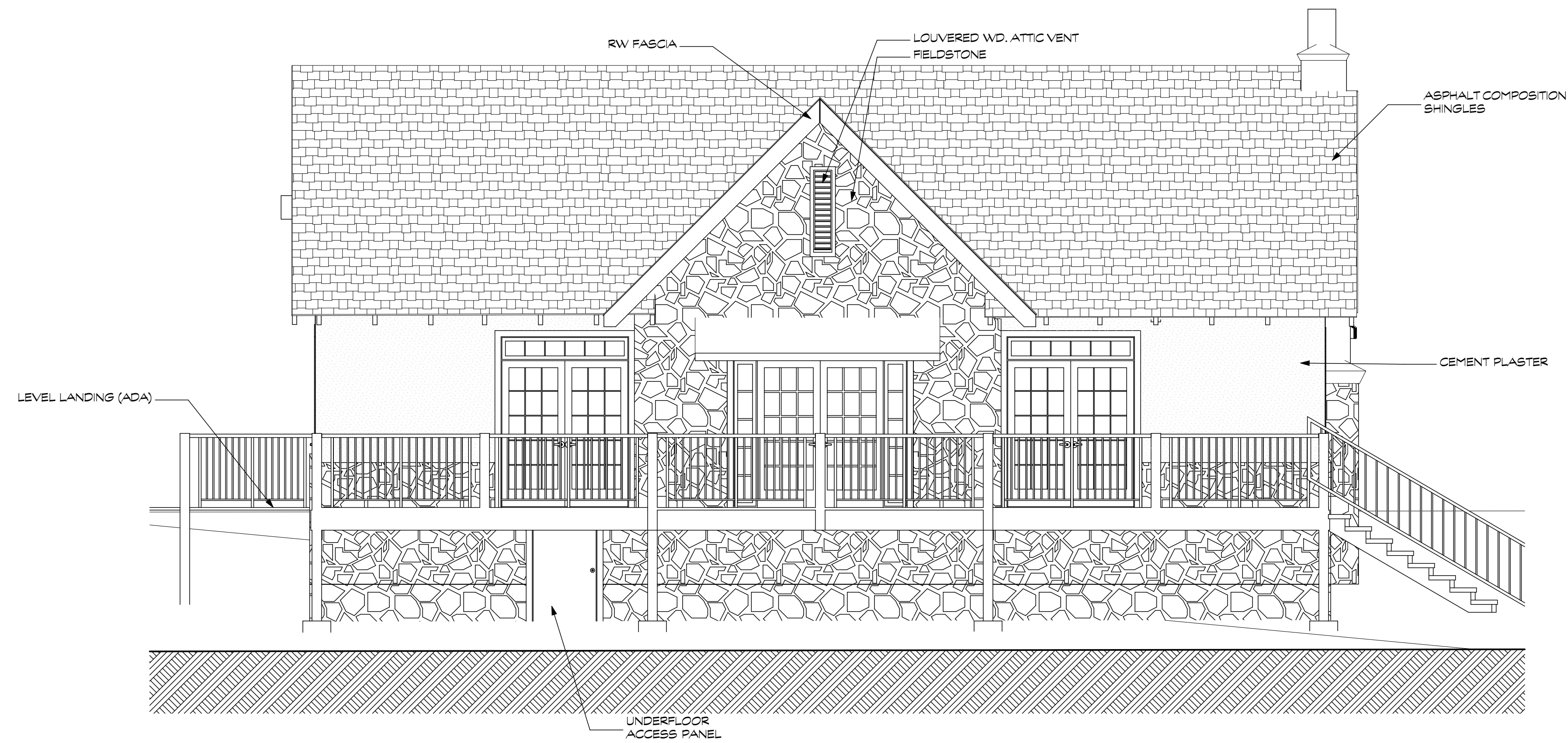
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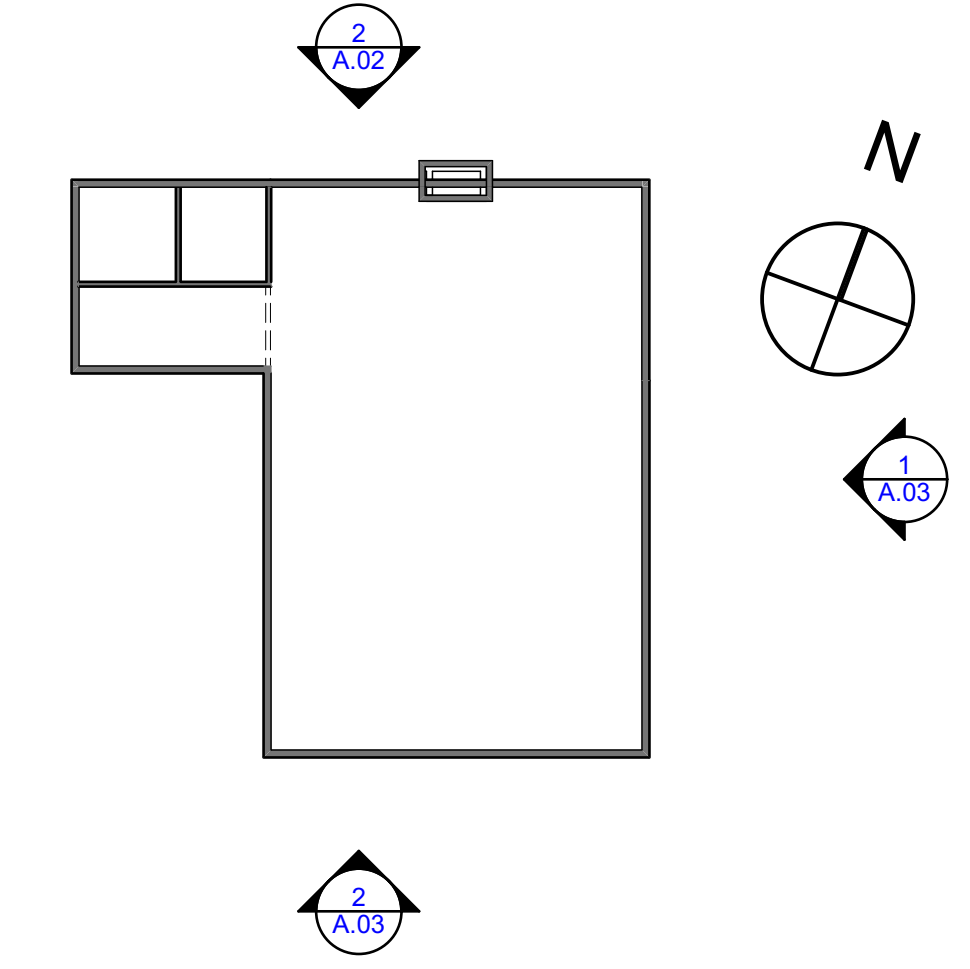
**BLDG. ELEVATIONS N + W**

**A.03**

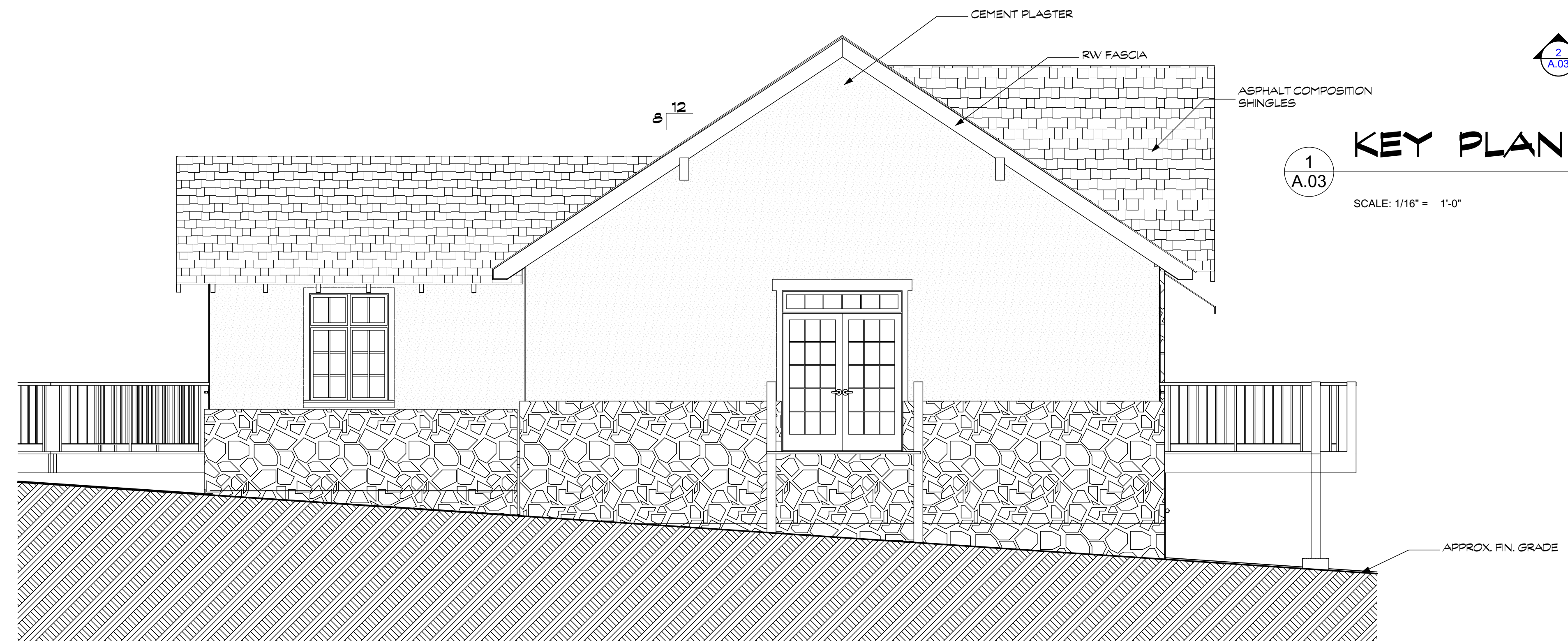
SHEET NO.



**1 EAST ELEVATION**  
SCALE: 1/4" = 1'-0"



**1 KEY PLAN**  
SCALE: 1/16" = 1'-0"



**2 SOUTH ELEVATION**  
SCALE: 1/4" = 1'-0"



**NESTLDOWN RANCH**

**22420- 22430 OLD SANTA CRUZ HIGHWAY**

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DRAWN BY: DATE: 9/25/2017

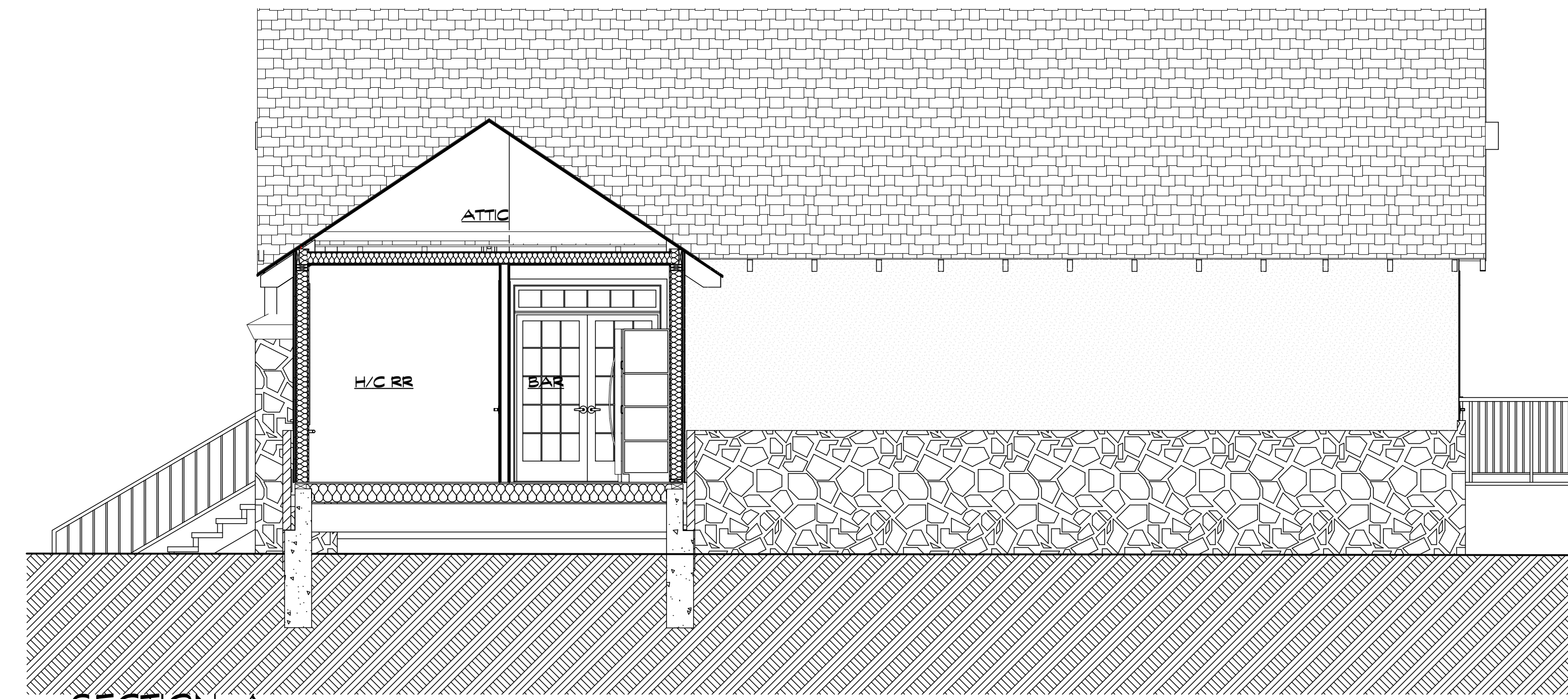
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**BUILDING SECTIONS A + B**

**A.04**

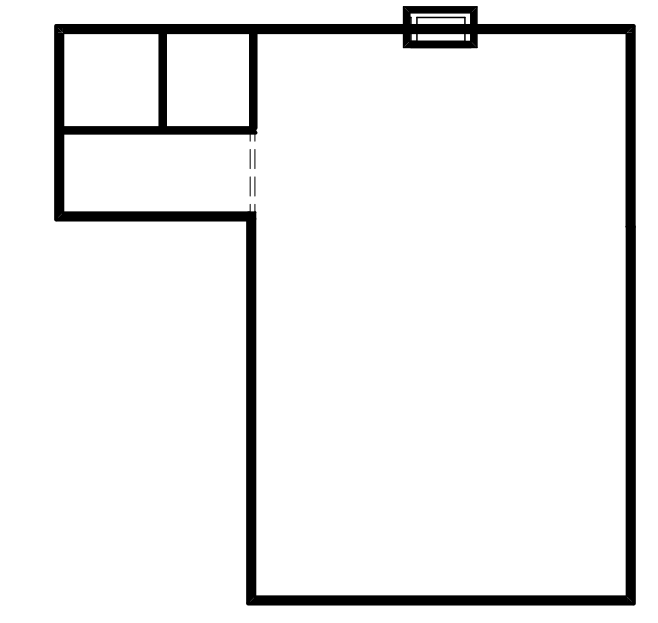
SHEET NO.

SECTION KEYNOTES:



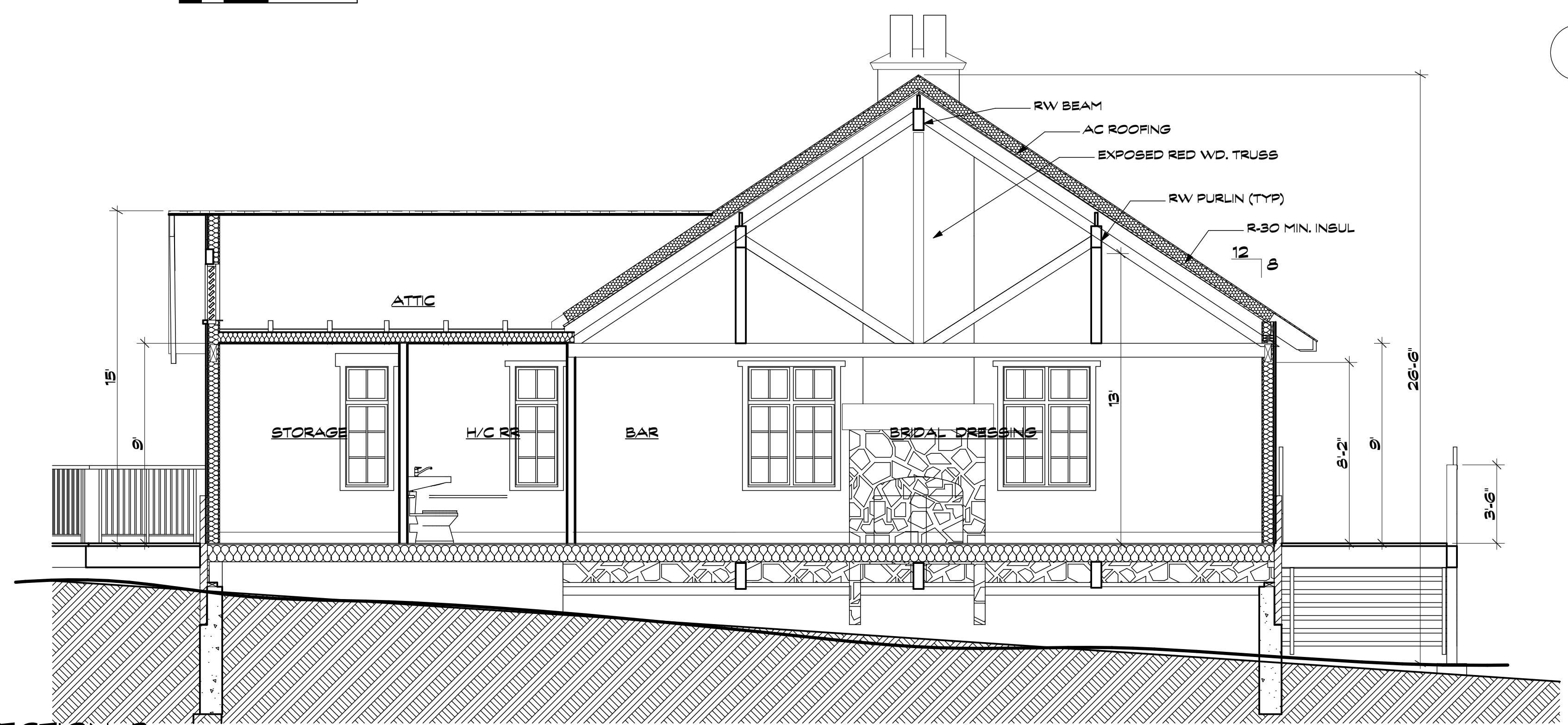
**SECTION A**

SCALE: 1/4" = 1'-0"



**KEY PLAN**

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



**SECTION B**

SCALE: 1/4" = 1'-0"



**NESTLDOWN  
RANCH**

**22420- 22430 OLD  
SANTA CRUZ  
HIGHWAY**

**UNINCORPORATED  
SANTA CLARA COUNTY  
CALIFORNIA**

**BRIDAL DRESSING  
BUILDING - PC# 0000-2016**

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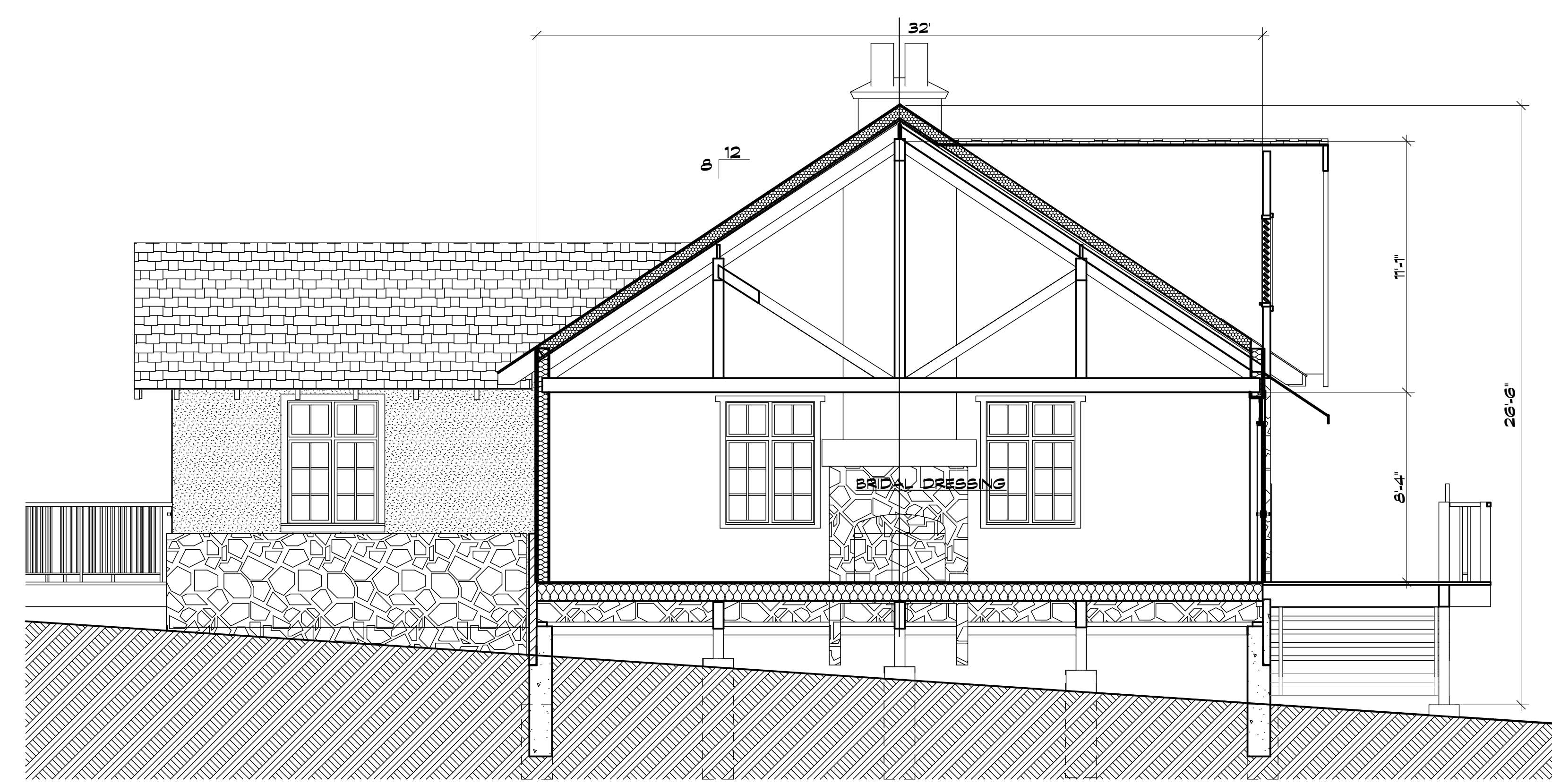
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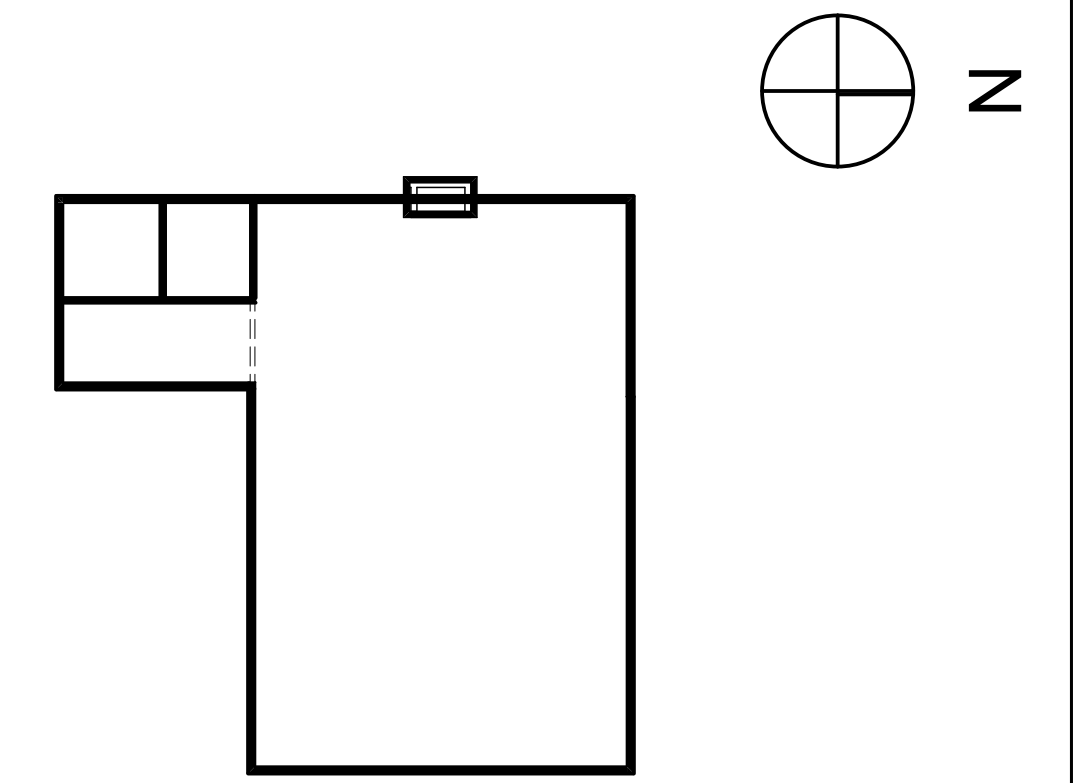
**BUILDING SECTIONS D + C**

**A.05**

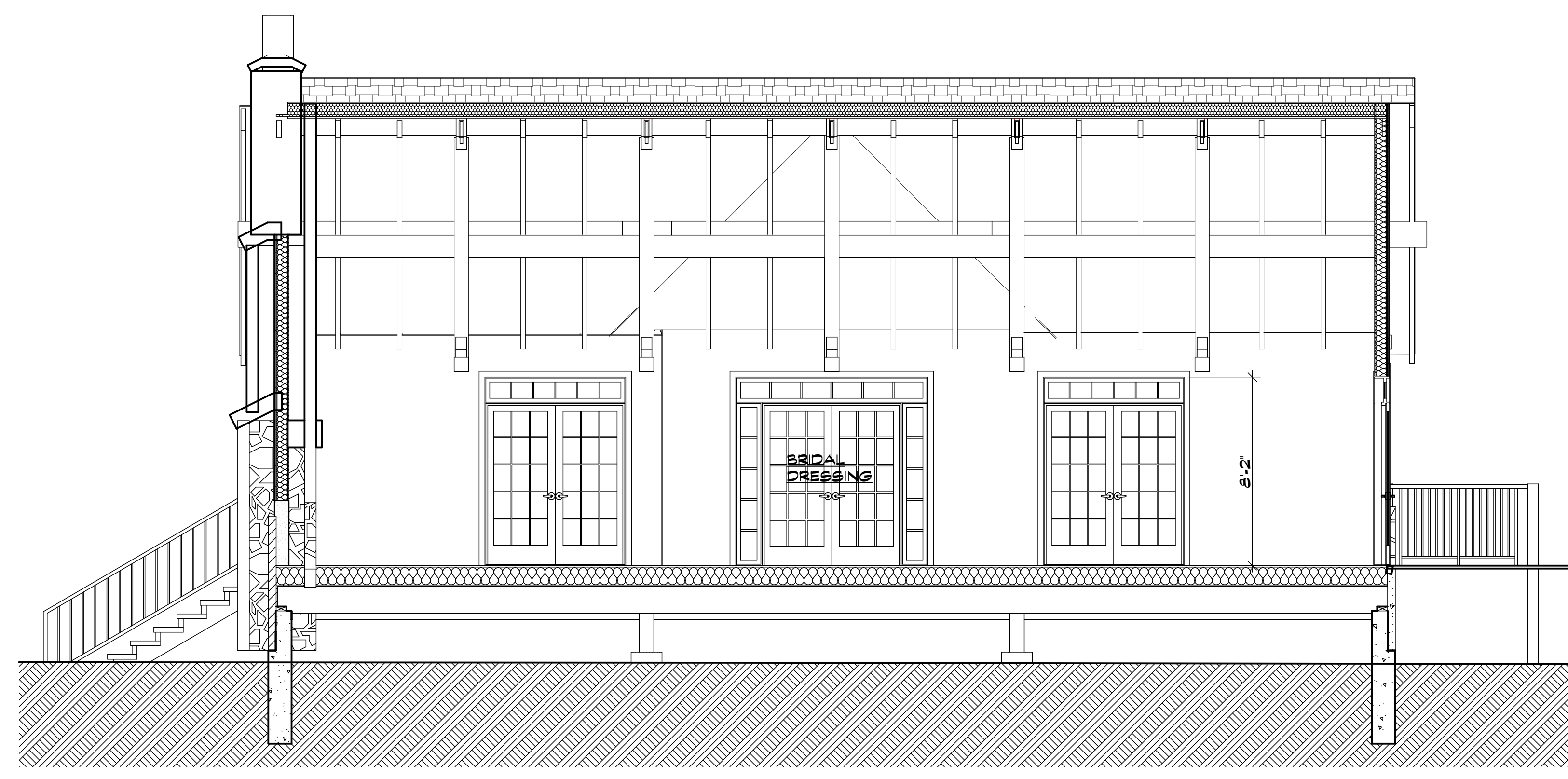
SHEET NO.



**1 SECTION C**  
SCALE: 1/4" = 1'-0"

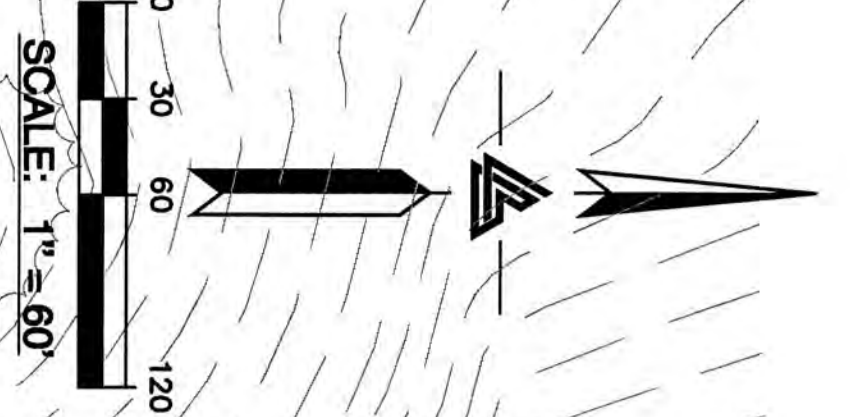
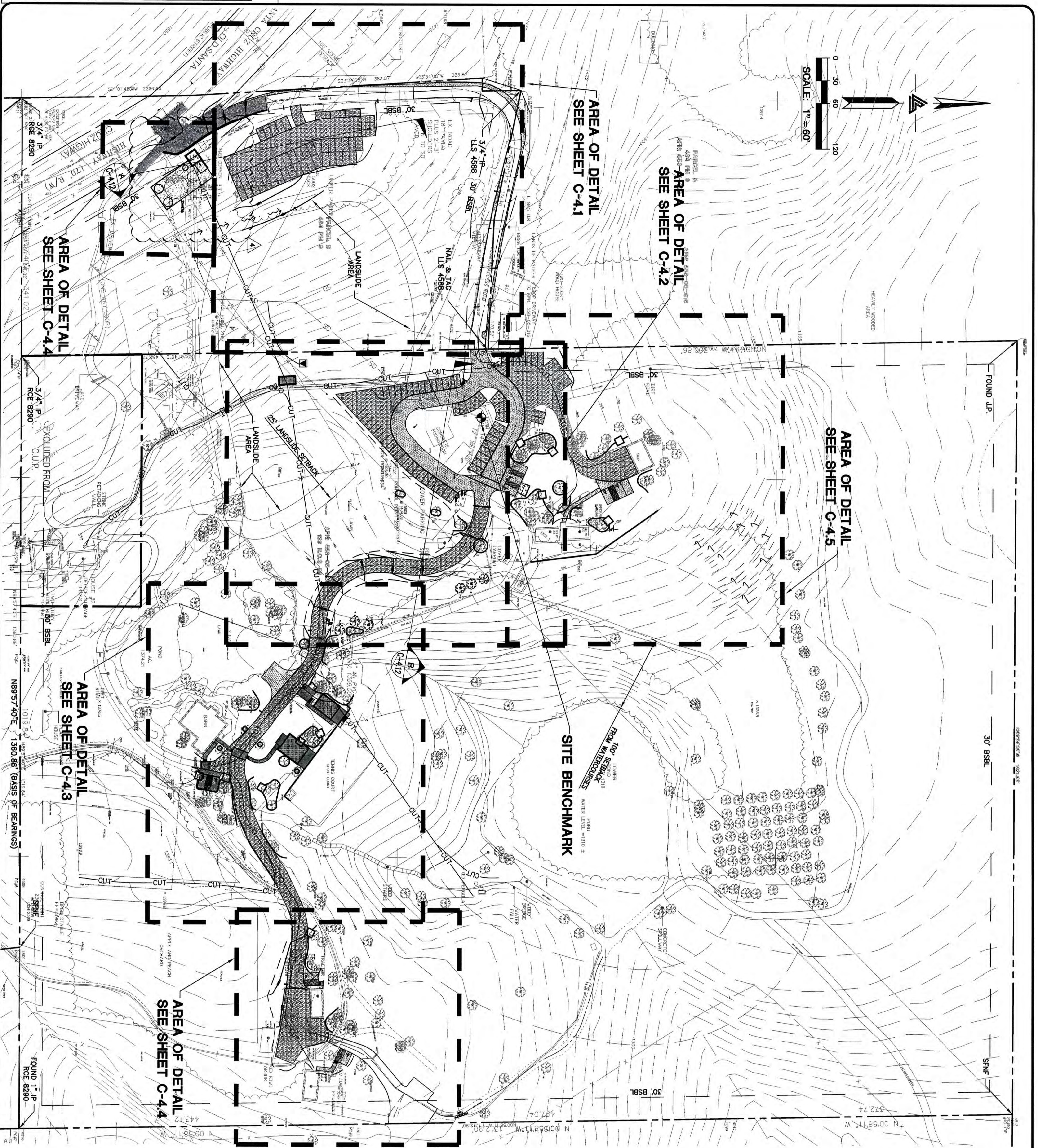


**3 SECTION KEY PLAN - FIRST FLOOR**  
SCALE: 1/16" = 1'-0"



**2 SECTION D**  
SCALE: 1/4" = 1'-0"





APPLICANT: BECK

ROAD NAME: OLD SANTA CRUZ HIGHWAY

COUNTY FILE NO.: 5624-12P-12A-12G

**NOTES:**

- 1) THIS PLAN AUTHORIZES THE REMOVAL OF ONLY THOSE TREES WITH TRUNK DIAMETERS LESS THAN 3 INCHES MEASURED 4.5 FEET ABOVE THE GROUND WHICH ARE SHOWN TO BE REMOVED. OTHER SOIL TREES ARE NOT TO BE REMOVED UNLESS SPECIFICALLY NOTED OTHERWISE. THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT REMOVAL OF ADDITIONAL TREES HAS BEEN PERMITTED.
- 2) NOTIFY THE SOILS ENGINEER TWO (2) DAYS PRIOR TO COMMENCEMENT OF ANY GRADING WORK TO COORDINATE THE WORK IN THE FIELD WITH THE CONTRACTOR.
- 3) SUBMIT A CERTIFICATION FROM THE SOILS ENGINEER CERTIFYING THAT THE WORK WAS COMPLETED IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE SOILS REPORT PRIOR TO RELEASE OF BOND.
- 4) OBTAIN AN ENGAGEMENT PERMIT FROM COUNTY OF SANTA CLARA TRANSPORTATION AGENCY FOR INSTALLATION OF COUNTY STANDARD DRIVEWAY APPROACHES.
- 5) GRADING WORK BETWEEN OCTOBER 15TH AND APRIL 15TH IS AT THE DISCRETION OF THE SANTA CLARA COUNTY BUILDING OFFICIAL.

**AIR QUALITY NOTE:**

- 1.) WATER ALL ACTIVE CONSTRUCTION AREA AT LEAST TWICE DAILY.
- 2.) COVER ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS OR REQUIRED ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD.
- 3.) FOR UNPAVED ACCESS ROADS, PARKING AREAS, AND STAGING AREAS, PAVE THEM AND APPLY WATER THREE TIMES A DAY OR APPLY (NON-TOXIC) SOIL STABILIZERS ON ALL UNPAVED AREAS LISTED ABOVE.
- 4.) SWEEP DAILY (WITH WATER SWEEPERS) ALL PAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS OF THE CONSTRUCTION SITE.
- 5.) SWEEP DAILY (WITH WATER SWEEPERS) IF VISIBLE SOIL MATERIALS IS CARRIED ONTO ADJACENT PUBLIC STREET.

**CONTRACTOR NOTES:**

1. REFER TO ARCHITECTURAL AND/OR LANDSCAPE PLANS FOR FLAT WORK, FINISHES, COLORS, LAYOUT, STEPS ON GRADE, OTHER EXTERIOR FEATURE REQUIREMENTS.
2. CONTRACTOR TO GET ENGAGEMENT PERMIT FOR ANY & ALL WORK WITHIN PUBLIC RIGHT OF WAYS.
3. CONTRACTOR SHALL OBTAIN THE PROPER PERMITS PRIOR TO ANY DEMOLITION, GRADING OR TREE REMOVAL.
4. CONTRACTOR SHALL PROVIDE AND MAINTAIN APPROVED EROSION AND SEDIMENTATION CONTROL MEASURES DURING RAINY SEASON PER LOCAL JURISDICTION - REFER TO EROSION CONTROL PLAN.
5. CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF THE NEED OF PERIODIC MAINTENANCE OF THE DRAINAGE SYSTEM AND STRUCTURES. THIS SHALL BE IN THE FORM OF A LETTER ADDRESSED TO THE CLIENT.
6. CONTRACTOR SHALL TAKE CARE TO USE A BUILDER'S LEVEL OR SURVEYING STAKING TO BE SURE ALL GRADES, RIMS AND INVERTS ARE SET PER PLAN. CONTRACTOR SHALL NOT DEVIATE FROM PLANS WITHOUT THE CONSENT OF LEA & BRAZE ENGINEERING, INC.
7. CONTRACTOR TO VERIFY INVERTS AND/OR LOCATION OF (E) UTILITIES PRIOR TO CONSTRUCTION AND INFORM LEA & BRAZE ENGINEERING OF ANY DISCREPANCIES.
8. ANY DEVIATIONS FROM SPECIFIED PLANS, SPECIFIC MANUFACTURERS' PRODUCT OR NOTED INSTALLATION METHOD MUST BE PRE-APPROVED BY LEA & BRAZE ENGINEERING PRIOR TO INSTALLATION.

**SOILS ENGINEER NOTE:**

ALL EARTHWORK AND SITE DRAINAGE INCLUDING THE GRAVEL DRIVEWAY INSTALLATION REMAINING WALL, DRAINAGE AND BACKFILL, AND FINAL SURFACE DRAINAGE INSTALLATION SHOULD BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. THE SOILS ENGINEER SHOULD BE PROVIDED AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF EARTHWORK OPERATIONS AND SHOULD BE PRESENT TO OBSERVE AND TEST AS NEEDED THE EARTHWORK AND FOUNDATION INSTALLATION PHASES OF THE PROJECT.

**TREE PROTECTION NOTE:**

TREE PROTECTION ZONES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE ENTIRE LENGTH OF THE PROJECT. FENCING FOR TREE PROTECTION SHALL BE 6 FEET TALL, METAL CHAIN LINK MATERIAL SUPPORTED BY METAL 2" DIA. POLES, POUNDED INTO THE GROUND TO A DEPTH OF NO LESS THAN 2 FEET. THE LOCATION OF THE FENCING SHOULD BE AS CLOSE TO THE DRIP LINE OF THE TREES AS POSSIBLE, STILL ALLOWING ROOM FOR CONSTRUCTION CLEARED INSIDE THE PROTECTION ZONES.

**TRENCHING NOTE:**  
TRENCHING FOR IRRIGATION, DRAINAGE, ELECTRICAL, OR ANY OTHER REASON SHALL BE HAND DUG WHEN INSIDE THE DRIP LINE OF ALL PROTECTED TREES. ALL TRENCHING SHALL BE BACK FILLED WITH NATIVE MATERIALS AND COMPACTED TO ITS ORIGINAL LEVEL AS SOON AS POSSIBLE. TRENCHES TO BE LEFT OPEN FOR A PERIOD OF TIME WILL REQUIRE ALL EXPOSED ROOTS TO BE COVERED WITH PLANKS TO HELP PROTECT THE EXPOSED ROOTS.

**BASIS OF BEARING**

THE BEARING N 89°37'40" E OF THE MOST SURELY AND ACCURATELY KNOWN POINT OF CERTAIN PARTS HEREIN FILED IN VOLUME 48 OF RECORDS AT PAGE 9 SANTA CLARA COUNTY RECORDS IS OBTAINED FROM THE PLANNING OFFICE OF THE COUNTY ENGINEER'S RESPONSIBILITY TO ENSURE THAT REMOVAL OF ADDITIONAL TREES HAS BEEN PERMITTED.

**NOTE:**  
SUBSURFACE CULTURAL RESOURCES MAY BE PRESENT ON THE PROPERTY AND MONITORING BY A QUALIFIED ARCHAEOLOGIST IS REQUIRED DURING CONSTRUCTION.

APPROVED FOR ISSUANCE  
CONSTRUCTION PERMIT AND PLAN COVER SHEET FOR SPECIAL CONDITIONS AND PERMIT NUMBERS

**OVERALL SITE PLAN**

NESTLDOWN RANCH  
22420 OLD SANTA CRUZ HIGHWAY  
LOS GATOS, CALIFORNIA

**LEA & BRAZE ENGINEERING, INC.**  
CIVIL ENGINEERS • LAND SURVEYORS  
BAY AREA REGION: 2400 INDUSTRIAL PKWY WEST, HAYWARD, CALIFORNIA 94545  
SACRAMENTO REGION: 507 DOUGLAS BLVD., # 300, ROSEVILLE, CA 95661  
APN: 558-05-022 / 558-05-025  
WWW.LEABRAZE.COM



1	PLAN CHECK	RB
2	REVISIONS	PT
3	PLAN CHECK	RB
4	PLAN CHECK	RB

JOB NO: 2130030  
DATE: 9-10-14  
SCALE: 1" = 60'  
DESIGN BY: PT/PC  
DRAWN BY: TB

**C-4.0**  
4 OF 39 SHEETS





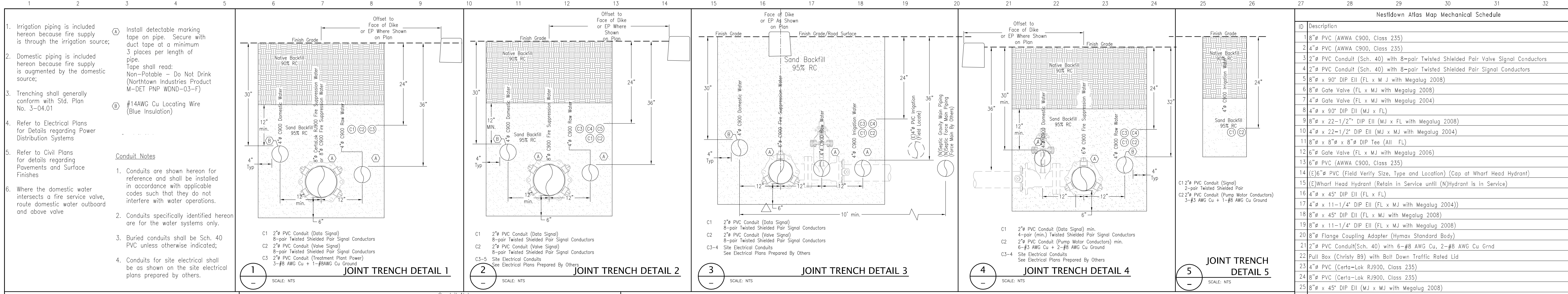




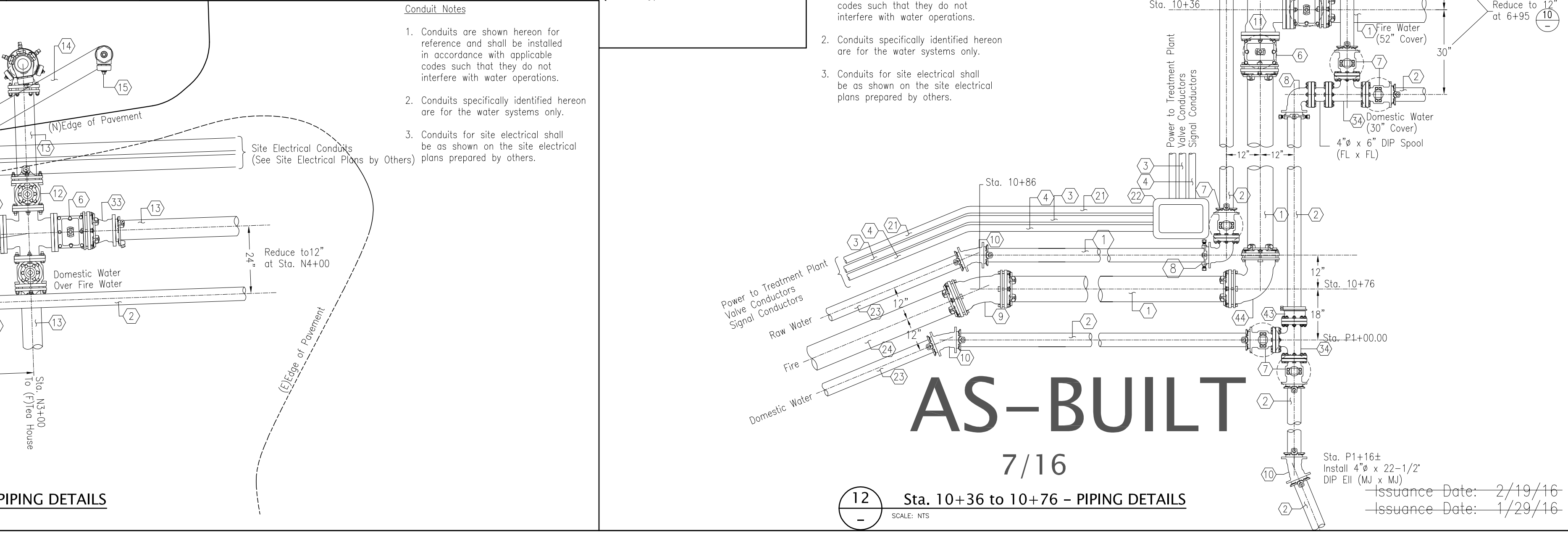
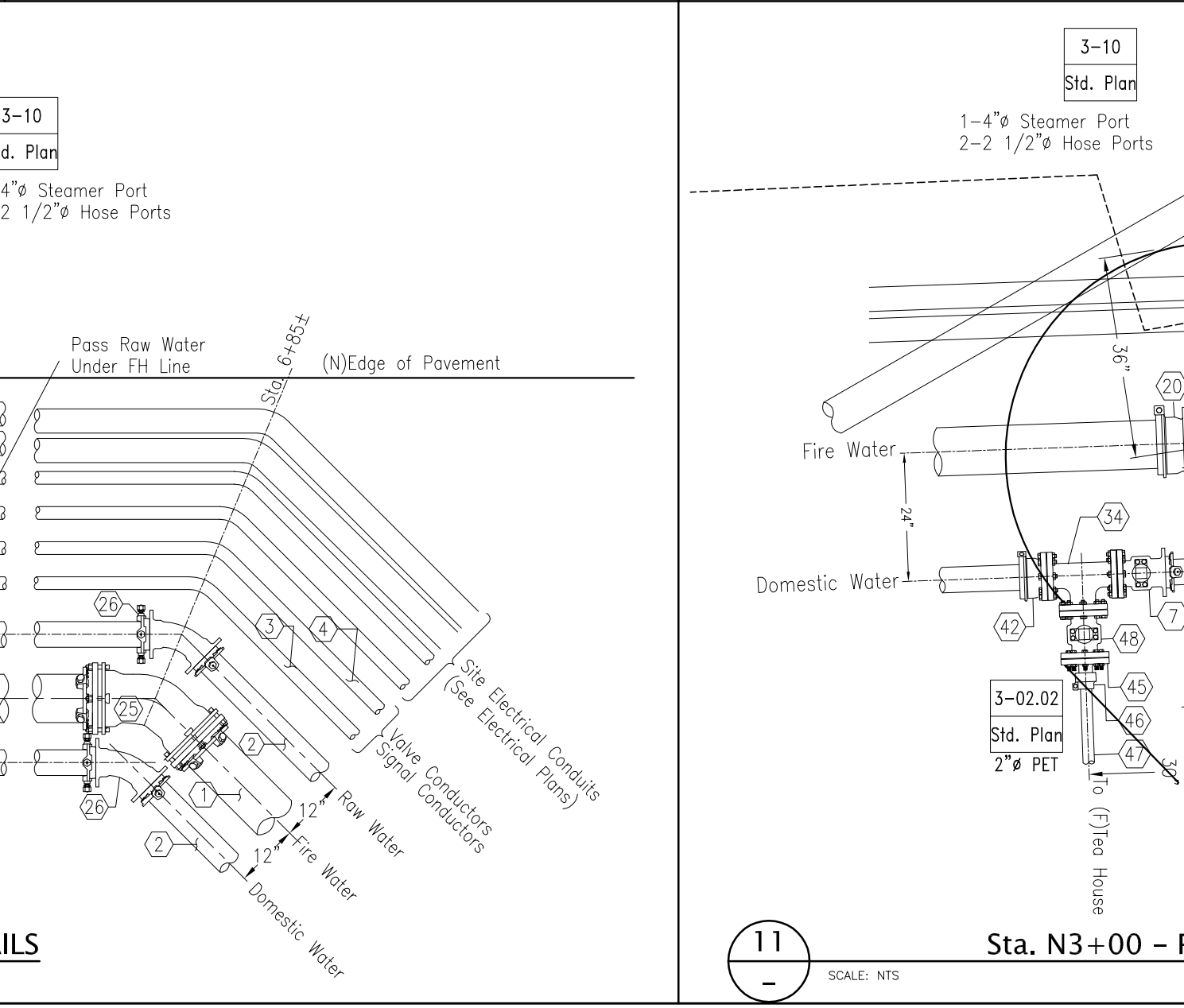
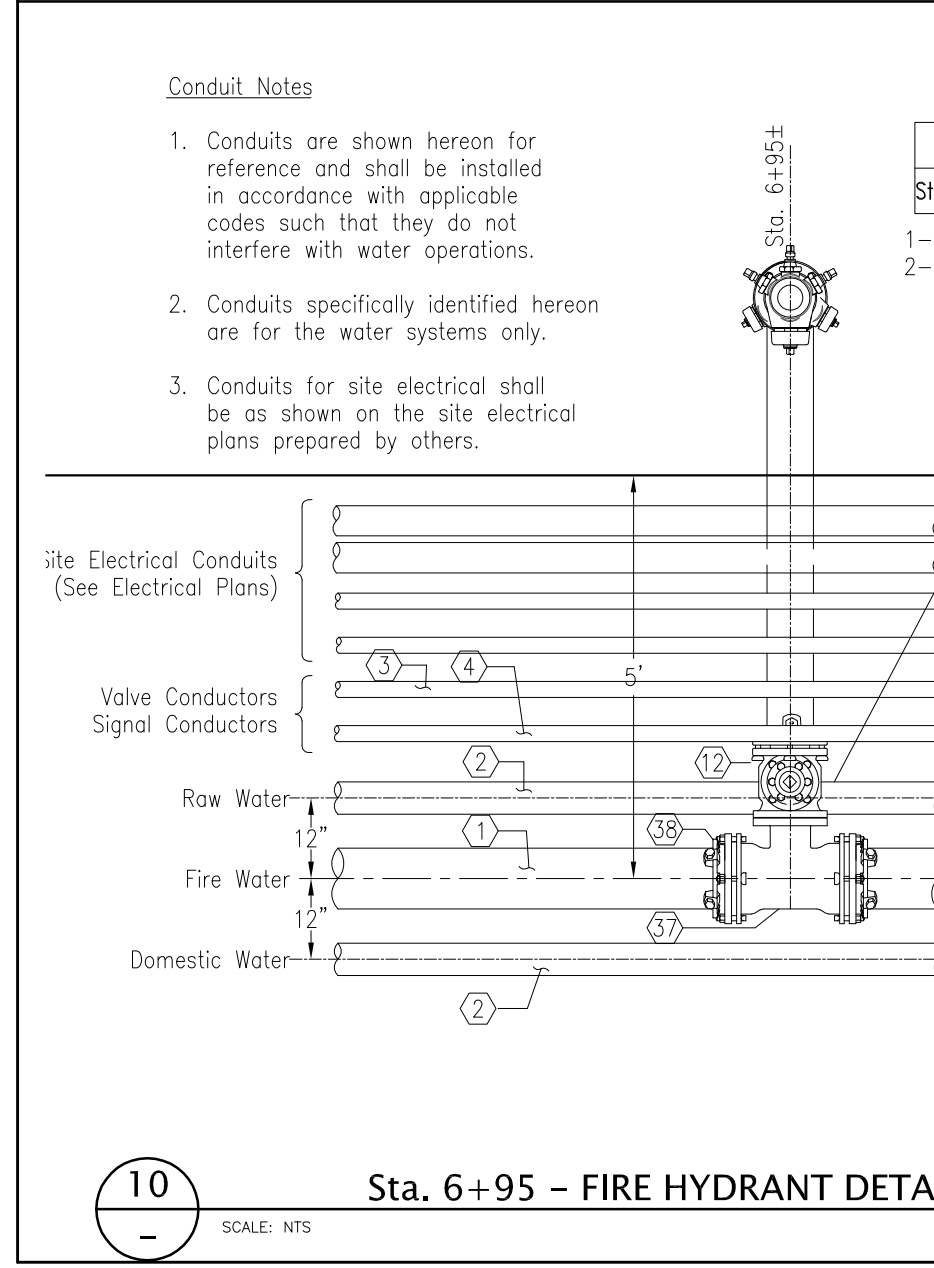
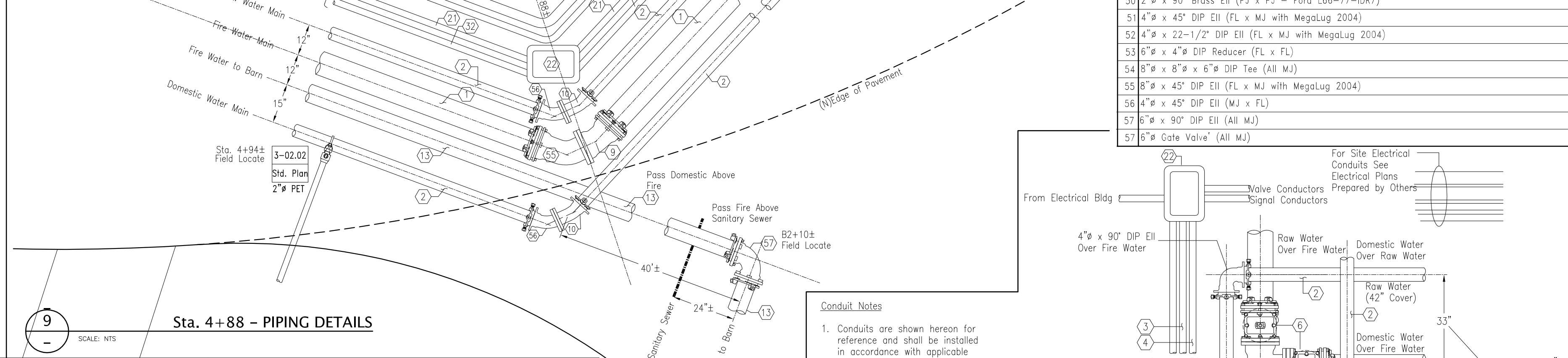
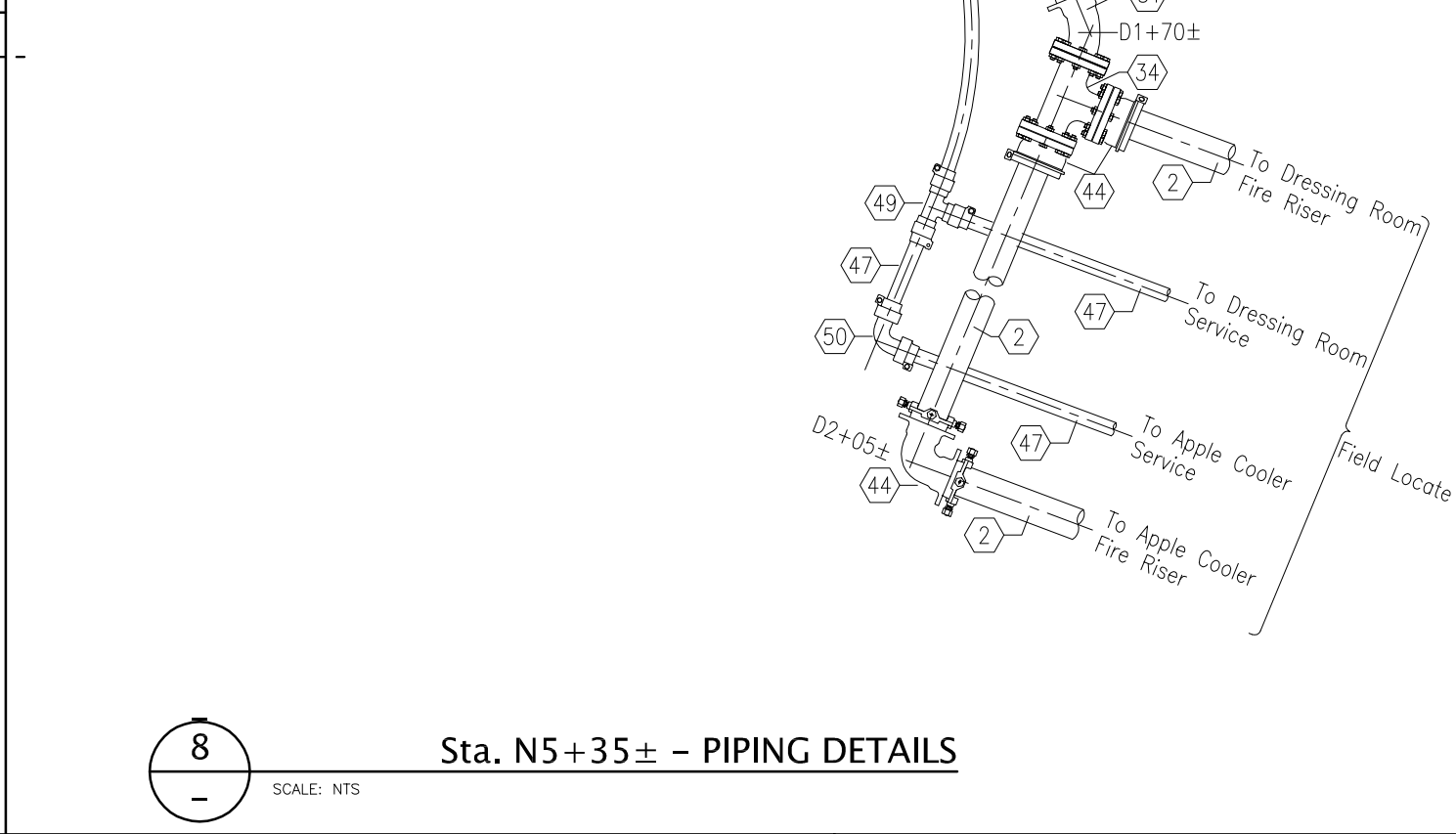
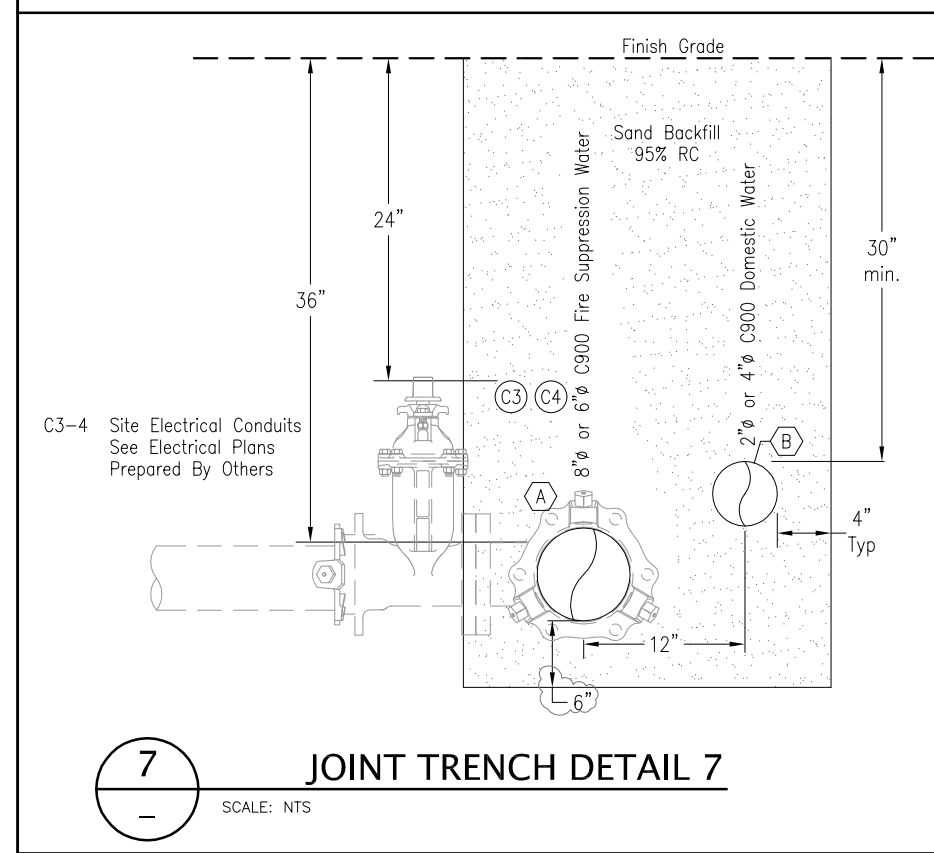
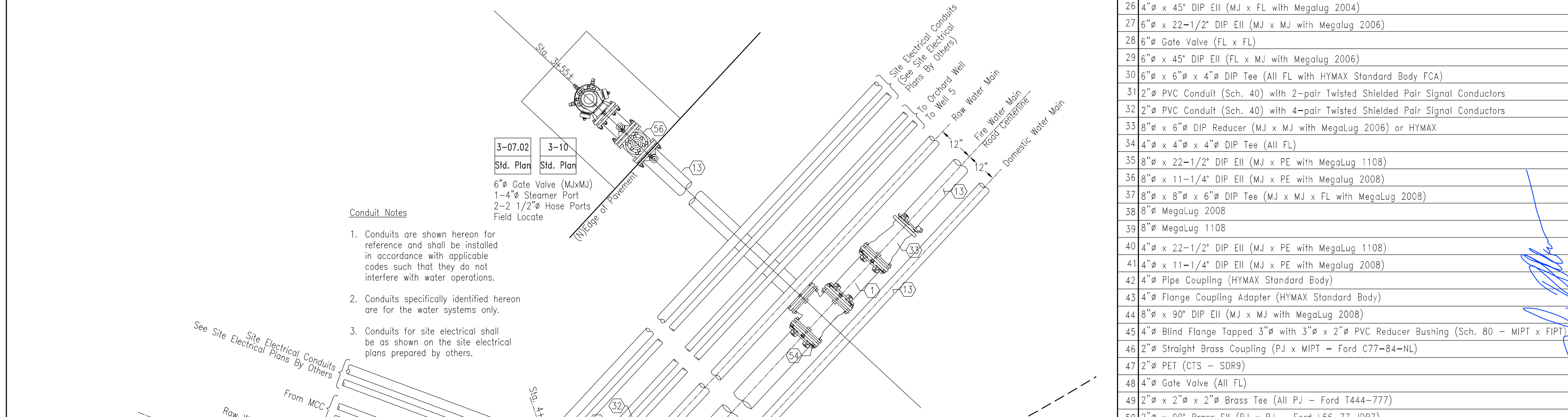
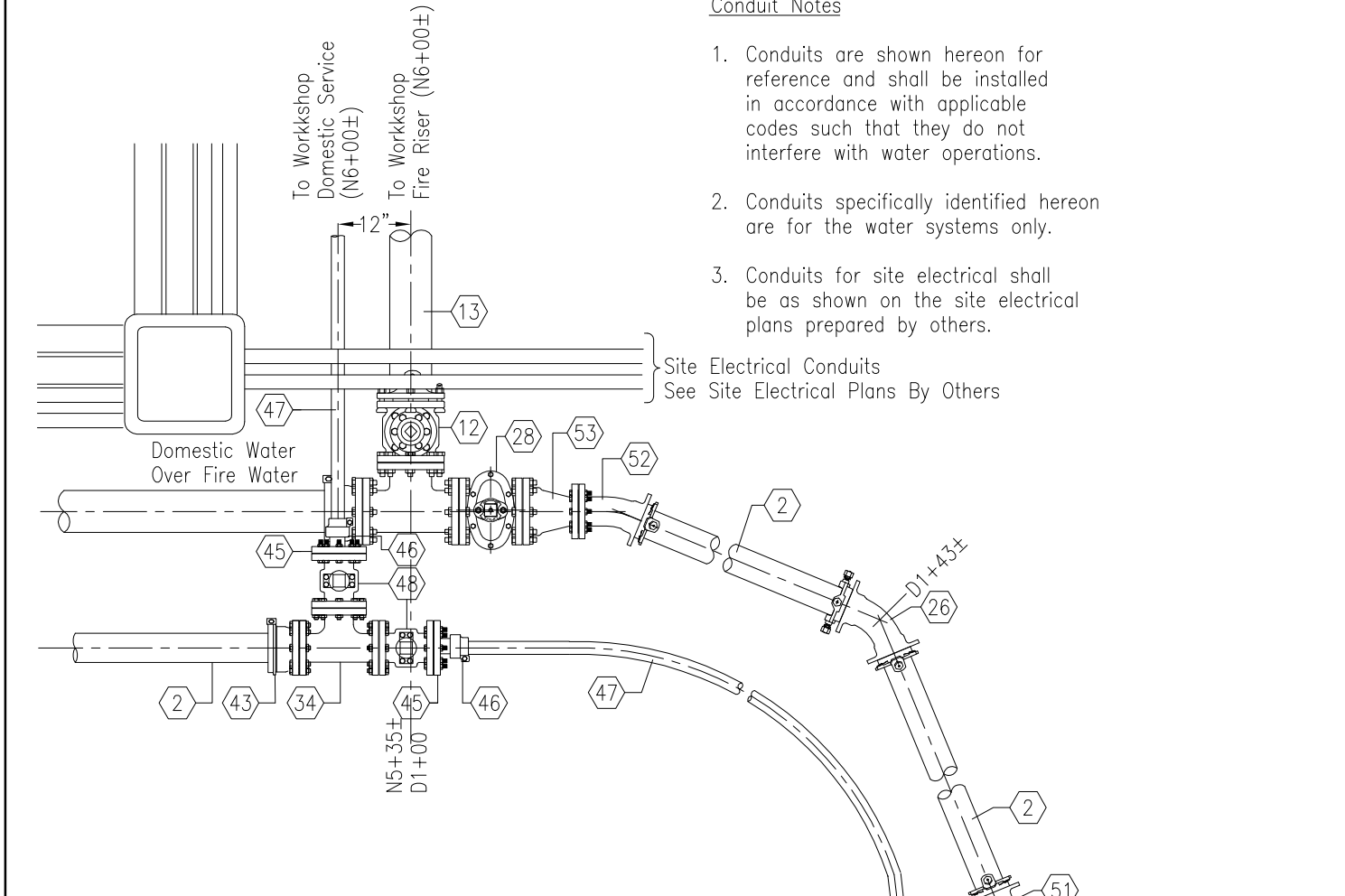
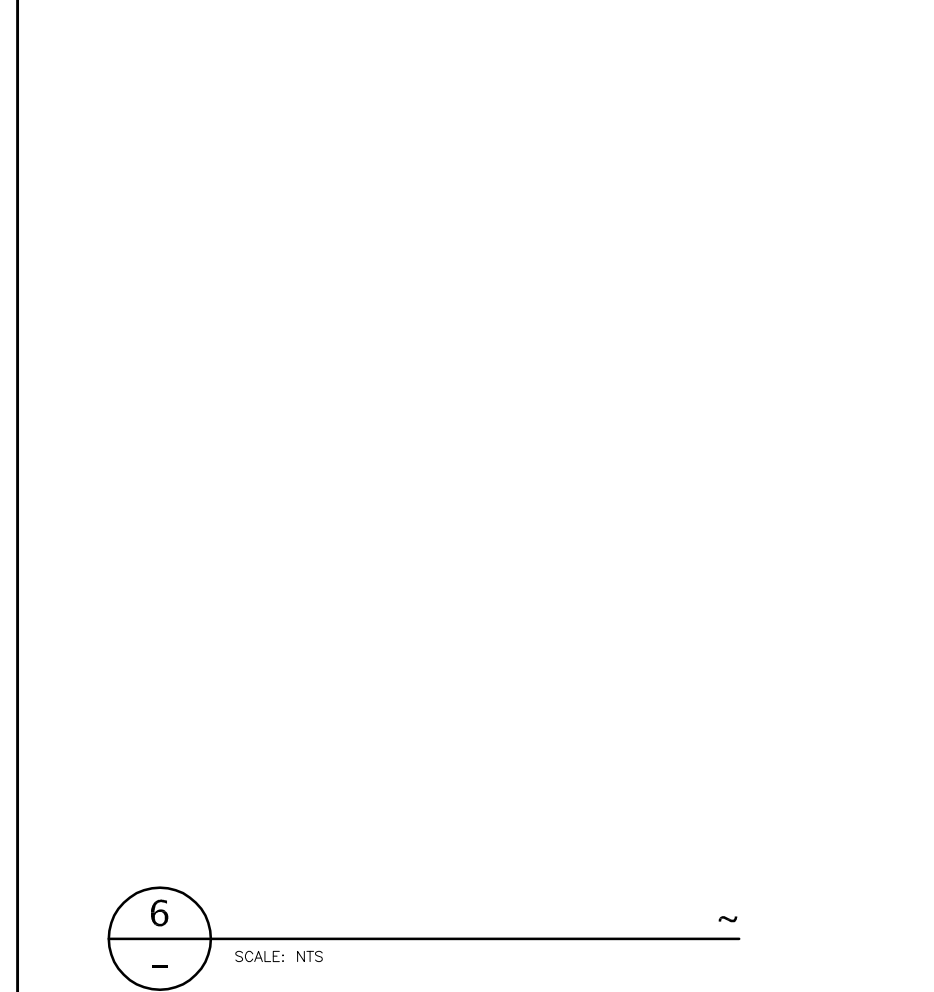








Nestdown Atlas Map Mechanical Schedule	
No.	Description
1	8" PVC (AWWA C900, Class 235)
2	4" PVC (AWWA C900, Class 235)
3	2" PVC Conduit (Sch. 40) with 8-pair Twisted Shielded Pair Valve Signal Conductors
4	2" PVC Conduit (Sch. 40) with 8-pair Twisted Shielded Pair Signal Conductors
5	8" x 90" DIP EII (FL x MJ with Megalug 2008)
6	8" Gate Valve (FL x MJ with Megalug 2008)
7	4" Gate Valve (FL x MJ with Megalug 2004)
8	4" x 90" DIP EII (MJ x FL)
9	8" x 22-1/2" DIP EII (MJ x FL with Megalug 2008)
10	8" x 22-1/2" DIP EII (MJ x MJ with Megalug 2004)
11	6" x 8" x 8" DIP Tee (All FL)
12	6" Gate Valve (FL x MJ with Megalug 2008)
13	8" PVC (AWWA C900, Class 235)
14	(E)Wharf Head Hydrant (Field Verify Size, Type and Location) (Cap at Wharf Head Hydrant)
15	(E)Wharf Head Hydrant (Retain in Service until (N)Hydrant is in Service)
16	4" x 45" DIP EII (FL x FL)
17	4" x 11-1/4" DIP EII (FL x MJ with Megalug 2004)
18	6" x 45" DIP EII (FL x MJ with Megalug 2008)
19	8" x 11-1/4" DIP EII (FL x MJ with Megalug 2008)
20	2" Flange Coupling Adapter (Hymax Standard Body)
21	2" PVC Conduit (Sch. 40) with 6-#8 AWG Cu, 2-#8 AWG Cu Grnd
22	Full Box (Christy B9) with Bolt Down Traffic Rated Lid
23	4" PVC (Certa-Lok RJ900, Class 235)
24	8" PVC (Certa-Lok RJ900, Class 235)
25	6" x 45" DIP EII (MJ x MJ with Megalug 2008)
26	4" x 45" DIP EII (MJ x FL with Megalug 2004)
27	6" x 22-1/2" DIP EII (MJ x MJ with Megalug 2008)
28	6" Gate Valve (FL x FL)
29	6" x 45" DIP EII (FL x MJ with Megalug 2006)
30	6" x 6" x 4" DIP Tee (All FL with Hymax Standard Body FCA)
31	2" PVC Conduit (Sch. 40) with 2-pair Twisted Shielded Pair Signal Conductors
32	2" PVC Conduit (Sch. 40) with 4-pair Twisted Shielded Pair Signal Conductors
33	6" x 6" DIP Reducer (MJ x MJ with Megalug 2006) or Hymax
34	4" x 4" x 4" DIP Tee (All FL)
35	8" x 22-1/2" DIP EII (MJ x PE with Megalug 1108)
36	8" x 11-1/4" DIP EII (MJ x PE with Megalug 2008)
37	6" x 8" x 6" DIP Tee (MJ x MJ x FL with Megalug 2008)
38	Megalug 2008
39	Megalug 1108
40	4" x 22-1/2" DIP EII (MJ x PE with Megalug 1108)
41	4" x 11-1/4" DIP EII (MJ x PE with Megalug 2008)
42	4" Pipe Coupling (Hymax Standard Body)
43	4" Flange Coupling Adapter (Hymax Standard Body)
44	8" x 90" DIP EII (MJ x MJ with Megalug 2008)
45	4" Blind Flange Tapped 3" with 3" x 2" PVC Reducer Bushing (Sch. 80 - MIPT x FIT)
46	2" Straight Brass Coupling (PJ x MIPT - Ford C77-84-NL)
47	2" PET (CTS - SDR9)
48	4" Gate Valve (All FL)
49	2" x 2" x 2" Brass Tee (All PJ - Ford T444-777)
50	2" x 90" Brass EII (PJ x PJ - Ford L66-77-IDR7)
51	4" x 45" DIP EII (FL x MJ with Megalug 2004)
52	4" x 22-1/2" DIP EII (FL x MJ with Megalug 2004)
53	6" x 4" DIP Reducer (FL x FL)
54	8" x 8" x 6" DIP Tee (All MJ)
55	8" x 45" DIP EII (FL x MJ with Megalug 2004)
56	4" x 45" DIP EII (MJ x FL)
57	8" x 90" DIP EII (All MJ)
58	6" Gate Valve (All MJ)



Nestdown Atlas Map Mechanical Schedule	
No.	Description
10	Description
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12	4" PVC (AWWA C900, Class 235)
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17	4" Gate Valve (FL x MJ with Megalug 2004)
18	4" x 90" DIP EII (MJ x FL)
19	8" x 22-1/2" DIP EII (MJ x FL with Megalug 2008)
20	8" x 22-1/2" DIP EII (MJ x MJ with Megalug 2004)
21	6" x 8" x 8" DIP Tee (All FL)
22	6" Gate Valve (FL x MJ with Megalug 2008)
23	8" PVC (AWWA C900, Class 235)
24	(E)Wharf Head Hydrant (Field Verify Size, Type and Location) (Cap at Wharf Head Hydrant)
25	(E)Wharf Head Hydrant (Retain in Service until (N)Hydrant is in Service)
26	4" x 45" DIP EII (FL x FL)
27	4" x 11-1/4" DIP EII (FL x MJ with Megalug 2004)
28	6" x 45" DIP EII (FL x MJ with Megalug 2008)
29	8" x 11-1/4" DIP EII (FL x MJ with Megalug 2008)
30	2" Flange Coupling Adapter (Hymax Standard Body)
31	2" PVC Conduit (Sch. 40) with 6-#8 AWG Cu, 2-#8 AWG Cu Grnd
32	Full Box (Christy B9) with Bolt Down Traffic Rated Lid
33	4" PVC (Certa-Lok RJ900, Class 235)
34	8" PVC (Certa-Lok RJ900, Class 235)
35	6" x 45" DIP EII (MJ x MJ with Megalug 2008)
36	4" x 45" DIP EII (MJ x FL with Megalug 2004)
37	6" x 22-1/2" DIP EII (MJ x MJ with Megalug 2008)
38	6" Gate Valve (FL x FL)
39	6" x 45" DIP EII (FL x MJ with Megalug 2006)
40	6" x 6" x 4" DIP Tee (All FL with Hymax Standard Body FCA)
41	2" PVC Conduit (Sch. 40) with 2-pair Twisted Shielded Pair Signal Conductors
42	2" PVC Conduit (Sch. 40) with 4-pair Twisted Shielded Pair Signal Conductors
43	6" x 6" DIP Reducer (MJ x MJ with Megalug 2006) or Hymax
44	4" x 4" x 4" DIP Tee (All FL)
45	8" x 22-1/2" DIP EII (MJ x PE with Megalug 1108)
46	8" x 11-1/4" DIP EII (MJ x PE with Megalug 2008)
47	6" x 8" x 6" DIP Tee (MJ x MJ x FL with Megalug 2008)
48	Megalug 2008
49	Megalug 1108
50	4" x 22-1/2" DIP EII (MJ x PE with Megalug 1108)
51	4" x 11-1/4" DIP EII (MJ x PE with Megalug 2008)
52	4" Pipe Coupling (Hymax Standard Body)
53	4" Flange Coupling Adapter (Hymax Standard Body)
54	8" x 90" DIP EII (MJ x MJ with Megalug 2008)
55	4" Blind Flange Tapped 3" with 3" x 2" PVC Reducer Bushing (Sch. 80 - MIPT x FIT)
56	2" Straight Brass Coupling (PJ x MIPT - Ford C77-84-NL)
57	2" PET (CTS - SDR9)
58	4" Gate Valve (All FL)
59	2" x 2" x 2" Brass Tee (All PJ - Ford T444-777)
60	2" x 90" Brass EII (PJ x PJ - Ford L66-77-IDR7)
61	4" x 45" DIP EII (FL x MJ with Megalug 2004)
62	4" x 22-1/2" DIP EII (FL x MJ with Megalug 2004)
63	6" x 4" DIP Reducer (FL x FL)
64	8" x 8" x 6" DIP Tee (All MJ)
65	8" x 45" DIP EII (FL x MJ with Megalug 2004)
66	4" x 45" DIP EII (MJ x FL)
67	8" x 90" DIP EII (All MJ)
68	6" Gate Valve (All MJ)

**Wyeast Engineering**  
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**NESTDOWN RANCH LLC**  
 1745 Dell Avenue  
 Campbell, California 95008  
 (408)690-3123

**NESTDOWN RANCH WATER SYSTEM**  
 Systemwide Atlas Map  
 Joint Trench Details  
 Intersection Details

Date: September 2014  
 Scale: 1" = 50'  
 Drawn: DRA  
 Job: 14-020  
 Sheet: W2 of 19

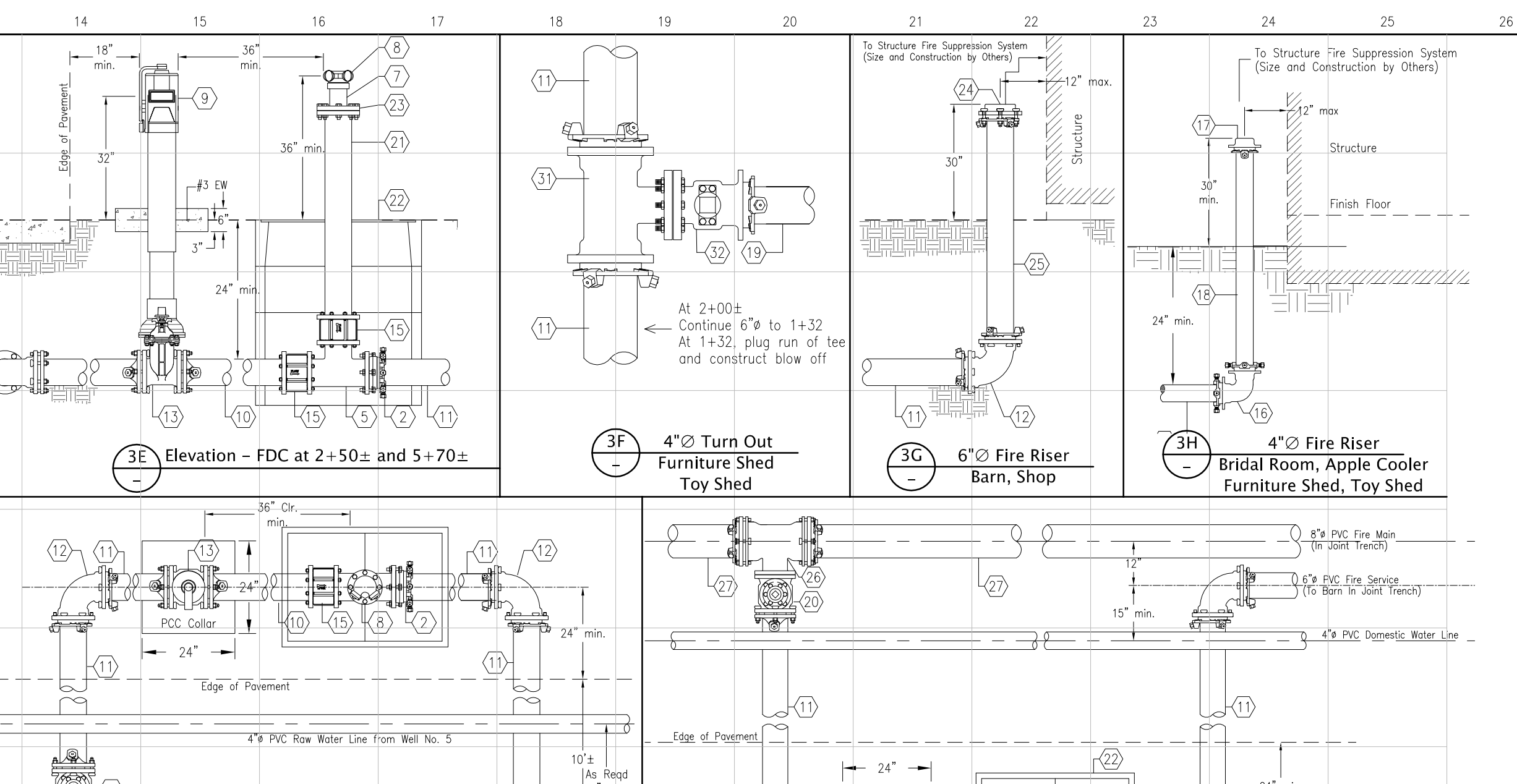
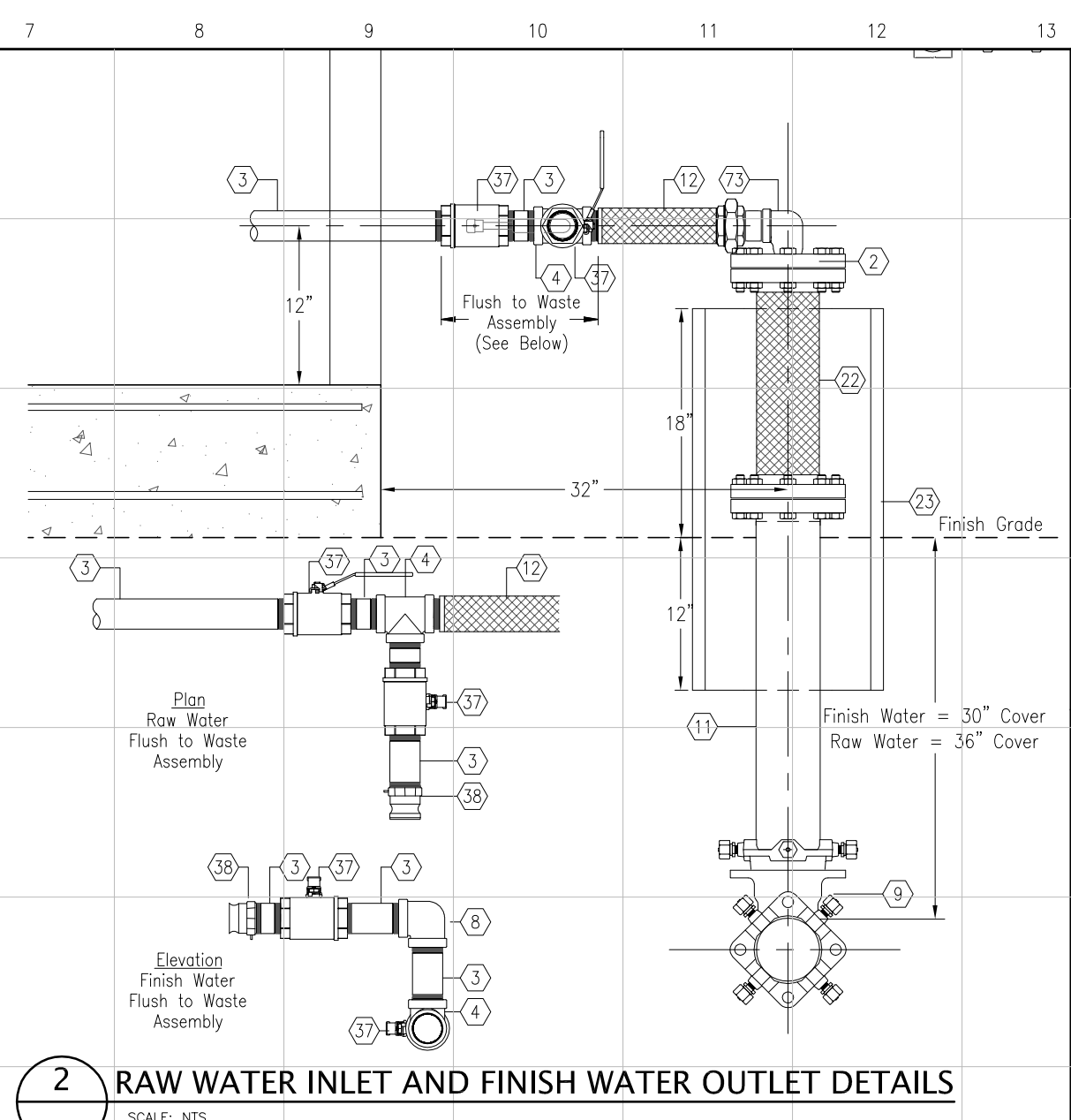
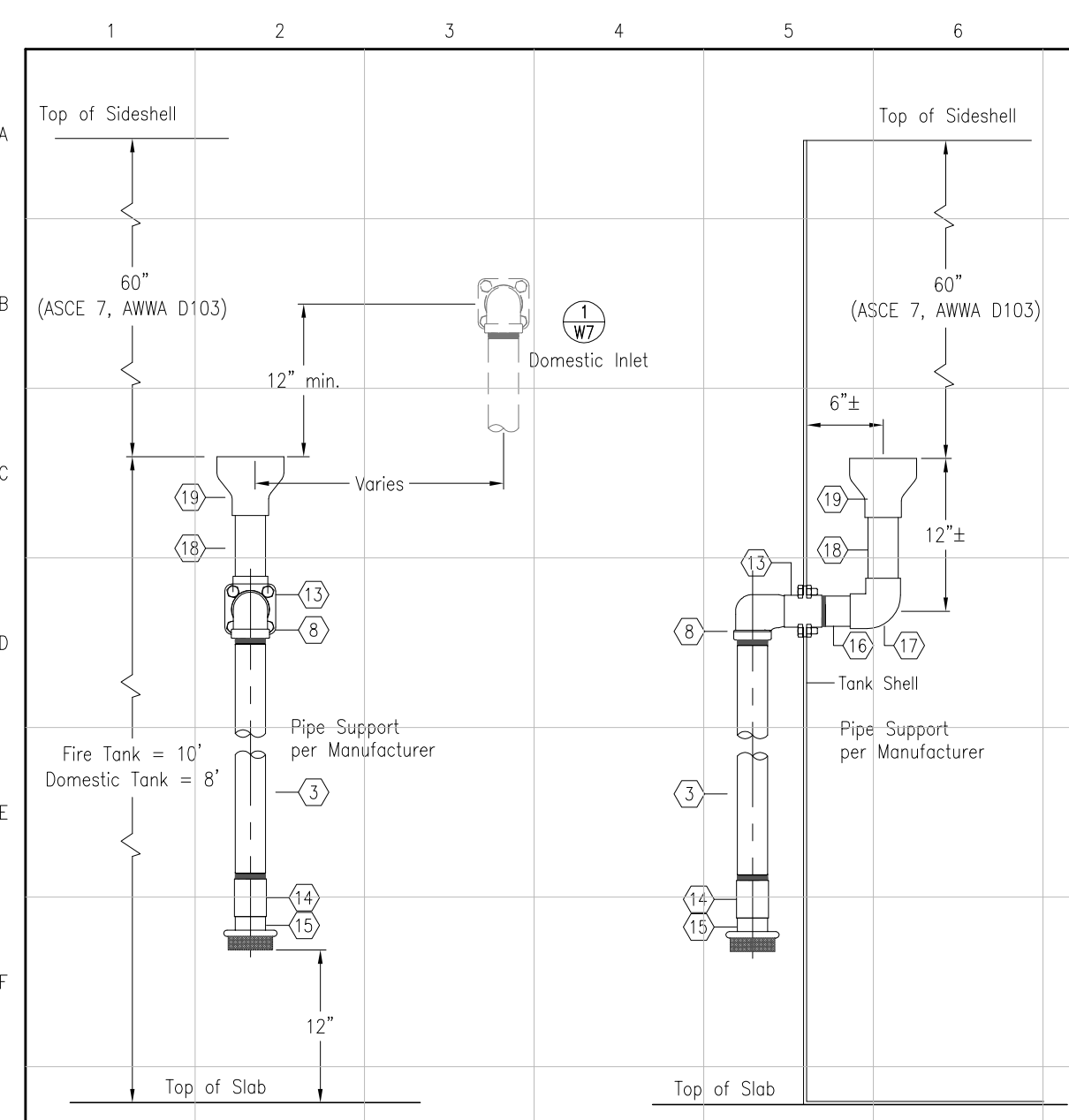
Revision: 1/29/16  
 2/19/16  
 1/15/16

10 Description

**AS-BUILT**  
 7/16

Sta. 10+36 to 10+76 - PIPING DETAILS  
 Issuance Date: 2/19/16  
 Issuance Date: 1/29/16





TANK SITE MECHANICAL SCHEDULE	
ID	Description
1	4" x 90" DIP EII (FL x MJ)
2	4" x 2" Stainless Steel Reducing Flange
3	2" Stainless Steel Nipple (MIPT x MIPT) (Length to Fit)
4	2" x 2" x 2" Stainless Steel Tee
5	2" Stainless Steel Nipple with Flange (Length to Fit)
6	2" Gate Valve (FL x FL)
7	2" Diaphragm Solenoid Valve (Claval 136-01 (FL x FL with Check Function))
8	2" x 90" Stainless Steel EII - FIPT x FIPT or Street
9	4" x 90" DIP EII (MJ x MJ with MegaLug 1104 and 2004 Restraining Gland)
10	4" PVC (AWWA C900, Class 235)
11	4" DIP (FL x PE) (Length As Required)
12	2" x 18" Stainless Steel Hose (Hex MIPT x Union - FlexiCraft SB1)
13	2" Full Coupling FIPT Tank Adapter (Rhino)
14	2" Stainless Steel FIPT Coupling
15	2" Screened Tank Vent (Hytech MIPT)
16	2" PVC Tee Nipple (Sch. 80 - Length As Required)
17	2" x 90" PVC EII (Sch. 80 - Slip x Slip)
18	2" PVC Nipple (Sch. 80 - Length As Required)
19	4" x 2" PVC Reducer (Sch. 80 - Slip x Slip)
20	4" Flange Tank Nozzle
21	4" Gate Valve (FL x FL)
22	4" x 18" Stainless Steel Hose (FL x FL - Flexi-Craft SB1)
23	15" Polyethylene Drainage Pipe (ADS Single Wall)
24	4" x 90" DIP EII (FL x FL)
25	4" x 4" x 4" DIP Tee (All MJ with MegaLug 1104 and 2004 Restraining Gland)
26	4" Silent Check Valve (Claval Series 508) - No Substitute
27	8" x 8" x 8" DIP Tee (All MJ with MegaLug 2008 Restraining Gland)
28	8" PVC Spool (AWWA C900, Class 235 - Length As Required)
29	8" x 20" DIP Spool (FL x FL)
30	8" x 90" DIP EII (All MJ with MegaLug 1108 Restraining Gland)
31	8" x 8" x 8" DIP Tee (All FL)
32	8" Gate Valve (FL x FL)
33	8" Flange Tank Nozzle
34	2" Duckbill Check Valve (Tideflex Series 2633 - No Substitute)
35	2" Stainless Steel Union
36	2" x 45" Stainless Steel EII
37	2" Stainless Steel Ball Valve
38	2" Stainless Steel Cam Lock Coupling with Cap
39	1/2" Stainless Steel Quick Disconnect (Direct Tap)
40	4" x 2" DIP Reducer (FL x FL)
41	(E)6" PVC (Field Verify Location, Depth and Type)
42	6" x 6" x 4" DIP Tee (MJ x MJ x FL)
43	6" DIP Spool (FL x PE - Length As Required)
44	6" Duckbill Check Valve (Tideflex Series 37 - No Substitute)
45	6" x 90" DIP EII (FL x FL)
46	6" Gate Valve (FL x FL)
47	6" x 6" x 2" DIP Tee (All FL)
48	6" x 4" DIP Reducer (FL x FL)
49	4" x 4" x 4" DIP Tee (All FL)
50	2" PVC Conduit (Sch. 40) with 2 pair #16AWG Cu Twisted Shielded Pair Signal Conductors
51	2" PVC Conduit (Sch. 40) with 2 pair #14AWG Cu Twisted Shielded Pair Signal Conductors
52	2" PVC Conduit (Sch. 40) with 4 pair #16AWG Cu Twisted Shielded Pair Signal Conductors
53	2" PVC Conduit (Sch. 40) with 4 pair #14AWG Cu Twisted Shielded Pair Signal Conductors
54	2" PVC Conduit (Sch. 40) with 6 pair #16AWG Cu Twisted Shielded Pair Signal Conductors
55	2" PVC Conduit (Sch. 40) with 6 pair #14AWG Cu Twisted Shielded Pair Signal Conductors
56	Pull Box (Christy/Oldcastle B9)
57	Valve Vault (Jensen Precast W-3660 with CAS-3660 Assisted Lid or Approved Substitute)
58	2" PVC Conduit (Sch. 40) with 1 pair #16AWG Cu Twisted Shielded Pair Signal Conductors
59	4" x 4" x 2" DIP Tee (All FL)
60	4" Flange Coupling Adapter (Uni-Flange Series 200)
61	4" Flange Coupling Adapter (Uni-Flange Series 200)
62	2" Flange Coupling Adapter (Uni-Flange Series 200)
63	2" Altitude Valve (Claval Model 210-03 with Delayed Opening)
64	3/4" PVC (Sch. 80)
65	3/4" x 90" PVC EII PVC (Sch. 80 - Slip x Slip)
66	1-1/4" Stainless Steel Nipple (Length to Fit)
67	1-1/4" x 45" Stainless Steel EII
68	1-1/4" x 18" Stainless Steel Hose (Hex MIPT x Union - FlexiCraft SB1)
69	1-1/4" x 90" Stainless Steel Street EII with Stainless Steel Flange
70	1-1/4" Stainless Steel Ball Valve
71	1-1/4" Stainless Steel Ball Check Valve (Tideflex Series 2633 - No Substitute)
72	2" x 2" x 2" Stainless Steel Tee with Reducer Bushing
73	2" x 90" Stainless Steel Street EII with Reducer Bushing and 2" FL
74	1" Stainless Steel Nipple (Length to Fit)
75	1" x 90" Stainless Steel EII
76	1" x 18" Stainless Steel Hose (Hex MIPT x Union - FlexiCraft SB1)
77	1" Stainless Steel Nipple (MIPT x FL - Length to Fit)
78	1-1/4" Stainless Steel Nipple (MIPT x PL - Length to Fit)
79	1-1/4" Stainless Steel Nipple Union
80	Floor Drain (Christy/Oldcastle V1)
81	4-way 2-1/2" Clapper Snoot Inlet (Crocker Model 6334 or Approved Substitute)
82	6" x 6" GIP Nipple
83	8" x 6" GIP Reducing Flange
84	6" Silent Check Valve (APCO Series 300, Claval Series 581 or Approved Substitute)
85	4" x 90" PVC EII (SDR 35 Gasketed)
86	2" PVC Conduit (Sch. 40) with 2-#8AWG Cu and 1-#8AWG Cu (Grnd)
87	4" x 45" PVC EII (SDR 35 Gasketed)
88	4" x 4" x 4" PVC Gasketed Tee (SDR35)
89	8" x 18" Flexible Stainless Steel Hose (FL x FL - FlexiCraft SB1)
90	2" Stainless Steel Street EII
91	2" PVC Conduit with 3-#8 AWG Cu + 1-#8 AWG Cu Grnd
92	2" Reduced Pressure Principle Device (Watts LF009)

CIRCULAR WEIR CALCULATIONS (Tank Overflow) Nestdown Ranch August 2014 Fire Storage Tank

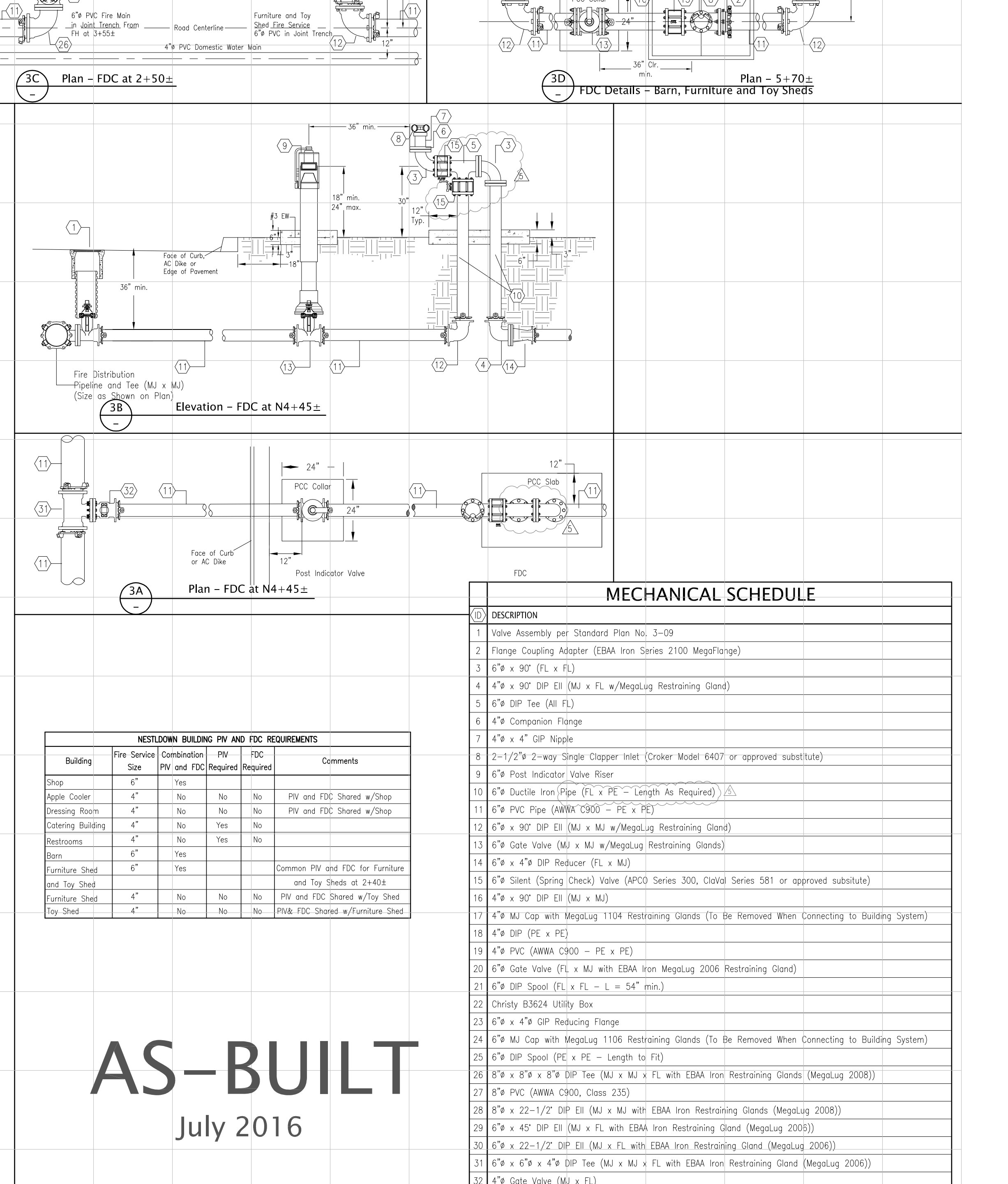
Rev. 10/20/15

Maximum Capacity of Weir		
Q=	CLH <sup>3/2</sup> (cfs)	
H=	0.10 -feet	Height above Crest
h=	9.00 -feet	Height of Weir above discharge
C=	3.27+0.40*(H/h)	
	= 3.27	
N=	0	
D=	4.50 -inches	
	= 0.38 -feet	
L'=	P+D	
	= 1.18 -feet	
L=	1.1781	
	=	0.12 cfs
		54.75 gpm
L=	L'-0.1NH	
N=	Number of Contractions	
C=	3.27+0.40*(H/h) H/h<5	
	5.68*((1+Hc/H)^1.5) H/h>15	
Ven Te Chow Open Channel Hydraulics - 1959 Page 361		
Head to Match Flow		
Q=	CLH <sup>3/2</sup> (cfs)	
Therefore, H=	(Q/CL) <sup>2/3</sup> (feet)	
Q=	45 -gpm	
h=	9.00 -feet	Height of weir above discharge
C=	3.27+0.40*(H/h)	
	= 3.27 (Assumed)	
D=	4.50 -inches	
L=	P+D	
	= 1.18 -feet	
	=	0.09 -feet
		Height above Crest
		OK
C=	3.27+0.40*(H/h) H/h<5	
	5.68*((1+Hc/H)^1.5) H/h>15	
Ven Te Chow Open Channel Hydraulics - 1959 Page 361		

CIRCULAR WEIR CALCULATIONS (Tank Overflow) Nestdown Ranch August 2014 Domestic Storage Tank

Rev. 10/20/15

Maximum Capacity of Weir		
Q=	CLH <sup>3/2</sup> (cfs)	
H=	0.06 -feet	Height above Crest
h=	7.00 -feet	Height of Weir above discharge
C=	3.27+0.40*(H/h)	
	= 3.27	
N=	0	
D=	4.50 -inches	
	= 0.38 -feet	
L'=	P+D	
	= 1.18 -feet	
L=	1.1781	
	=	0.06 cfs
		25.44 gpm
L=	L'-0.1NH	
N=	Number of Contractions	
C=	3.27+0.40*(H/h) H/h<5	
	5.68*((1+Hc/H)^1.5) H/h>15	
Ven Te Chow Open Channel Hydraulics - 1959 Page 361		
Head to Match Flow		
Q=	CLH <sup>3/2</sup> (cfs)	
Therefore, H=	(Q/CL) <sup>2/3</sup> (feet)	
Q=	15 -gpm	
h=	7.00 -feet	Height of weir above discharge
C=	3.27+0.40*(H/h)	
	= 3.27 (Assumed)	
D=	4.50 -inches	
L=	P+D	
	= 1.18 -feet	
	=	0.04 -feet
		Height above Crest
		OK
C=	3.27+0.40*(H/h) H/h<5	
	5.68*((1+Hc/H)^1.5) H/h>15	
Ven Te Chow Open Channel Hydraulics - 1959 Page 361		



ID	DESCRIPTION
1	Valve Assembly per Standard Plan No. 3-09
2	Flange Coupling Adapter (EBA Iron Series 2100 MegaFlange)
3	6" x 90" (FL x FL)
4	4" x 90" DIP EII (MJ x FL w/MegaLug Restraining Gland)
5	6" DIP Tee (All FL)
6	4" Companion Flange
7	4" x 4" GIP Nipple
8	2-1/2" 2-way Single Clapper Inlet (Crocker Model 6407 or approved substitute)
9	6" Post Indicator Valve Riser
10	6" Ductile Iron Pipe (FL x PE - Length As Required)
11	6" PVC Pipe (AWWA C900 - PE x PE)
12	6" x 90" DIP EII (MJ x MJ w/MegaLug Restraining Gland)
13	6" Gate Valve (MJ x MJ w/MegaLug Restraining Glands)
14	6" x 4" DIP Reducer (FL x MJ)
15	6" Silent (Spring Check) Valve (APCO Series 300, Claval Series 581 or approved substitute)
16	4" x 90" DIP EII (MJ x MJ)
17	4" MJ Cap with MegaLug 1104 Restraining Glands (To Be Removed When Connecting to Building System)
18	4" DIP (PE x PE)
19	4" PVC (AWWA C900 - PE x PE)
20	6" Gate Valve (FL x MJ with EBA Iron MegaLug 2006 Restraining Gland)
21	6" DIP Spool (FL x FL - L = 54" min.)
22	Christy B3624 Utility Box
23	6" x 4" GIP Reducing Flange
24	6" MJ Cap with MegaLug 1106 Restraining Glands (To Be Removed When Connecting to Building System)
25	6" DIP Spool (PE x PE - Length to Fit)
26	8" x 8" x 8" DIP Tee (MJ x MJ x FL with EBA Iron Restraining Glands (MegaLug 2008))
27	8" PVC (AWWA C900, Class 235)
28	8" x 22-1/2" DIP EII (MJ x MJ with EBA Iron Restraining Glands (MegaLug 2008))
29	6" x 45" DIP EII (MJ x FL with EBA Iron Restraining Gland (MegaLug 2005))
30	6" x 22-1/2" DIP EII (MJ x FL with EBA Iron Restraining Gland (MegaLug 2006))
31	6" x 6" x 4" DIP Tee (MJ x MJ x FL with EBA Iron Restraining Gland (MegaLug 2006))
32	4" Gate Valve (MJ x FL)

**1 DOMESTIC AND FIRE TANK OVERFLOW**  
SCALE: NTS

**2 RAW WATER INLET AND FINISH WATER OUTLET DETAILS**  
SCALE: NTS

**3 FIRE DEPARTMENT CONNECTION DETAILS**  
SCALE: NTS

**MECHANICAL SCHEDULE**

**NESTDOWN RANCH WATER SYSTEM**  
Tank Site Plan and Details  
Overflow Details

**WY east Engineering**  
784 Northridge Center, Suite 229  
Salinas, CA 95906  
(831) 443-5514 (FAX) 444-9490

Date: September 2014  
Scale: As Shown  
Drawn: DRA  
Job: 14-020  
Sheet: W7 of 19

Revision:  
1. Added FDC Detail  
2. Revisions per TMO  
3. Revisions per TMO  
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