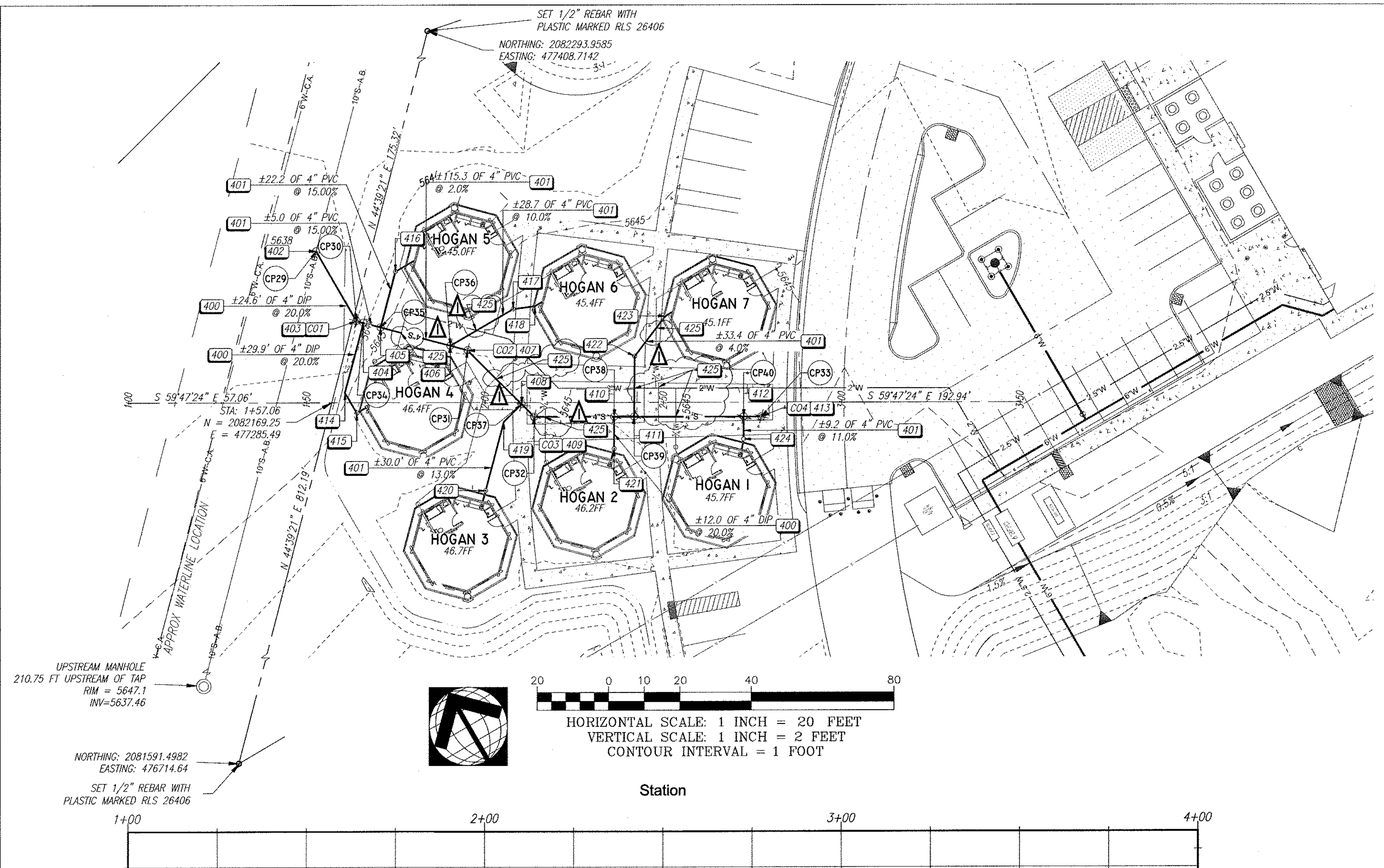


GENERAL NOTES

NONE THIS SHEET

PAVING NOTES

NONE THIS SHEET

WATER NOTES

NONE THIS SHEET

SEWER NOTES

INSTALL ALL SEWER LINES IN ACCORDANCE WITH NTUA TECHNICAL SPECIFICATION TP 4.03.01, 4.03.02, 4.03.03, 4.03.04 AND 4.04. CONSTRUCT ALL SEWER SERVICES IN ACCORDANCE WITH NTUA TECHNICAL SPECIFICATION TP 4.07. TYPICAL TRENCHING AND BACKFILL PER DETAIL 1 AND 2 ON SHEET C6. CONTRACTOR TO VERIFY PARTLIST WITH NTUA PRIOR TO ORDERING AND INSTALLATION.

4" SEWER SERVICE

400 INSTALL 4" CLASS 52 DIP MANUFACTURED IN ACCORDANCE WITH AWWA C150. LENGTH AND SLOPE PER PLANS.

401 INSTALL 4" TYPE PSM SDR35 PVC SEWER PIPE. LENGTH AND SLOPE PER PLANS.

4" SEWER SERVICE APPURTENANCES

402 STA: 1+52.64, LT 48.02, INV=33.48 – CONNECT NEW 4" SEWER SERVICE TO EXISTING 10" SEWER MAIN PER THE FOLLOWING: INSTALL 10" X 4" SADDLE WYE PER NTUA TECHNICAL SPECIFICATION 4.04.03 AND 4.07.02.

403 STA: 1+63.99 LT 22.92' – INSTALL 4" SEWER CLEANOUT PER DETAIL 9 SHEET 6. RIM=43.50, INV=38.99

404 STA: 1+65.93, LT 22.41', INV=39.39 – CONNECT HOGAN 4 SWR SVCS PER THE FOLLOWING: INSTALL 4" X 4" WYE.

405 STA: 1+70.76, LT 21.13', INV=39.64 – CONNECT HOGAN 5 SWR SVCS PER THE FOLLOWING: INSTALL 4" X 4" WYE.

406 STA: 1+90.33, LT 15.96, INV=40.04 – CONNECT HOGAN 6 SWR SVCS PER THE FOLLOWING: INSTALL 4" X 4" WYE.

407 STA: 1+95.17 LT 14.69' – INSTALL 4" SEWER CLEANOUT PER DETAIL SHEET. RIM=45.94, INV=40.14

408 STA: 2+10.32 RT 0.46', INV=40.57 – CONNECT HOGAN 3 SWR SVCS PER THE FOLLOWING: INSTALL 4" X 4" WYE.

409 STA: 2+13.86 RT 4.0' – INSTALL 4" SEWER CLEANOUT PER DETAIL 9 SHEET 6. RIM=46.21, INV=40.67

410 STA: 2+36.27 RT 4.0', INV=41.12 – CONNECT HOGAN 2 SWR SVCS PER THE FOLLOWING: INSTALL 4" X 4" WYE.

411 STA: 2+41.91 RT 4.0', INV=41.23 – CONNECT HOGAN 7 SWR SVCS PER THE FOLLOWING: INSTALL 4" X 4" WYE.

412 STA: 2+72.57 RT 4.0', INV=41.85 – CONNECT HOGAN 1 SWR SVCS PER THE FOLLOWING: INSTALL 4" X 4" WYE.

413 STA: 2+77.57 RT 4.0' – INSTALL 4" SEWER CLEANOUT PER DETAIL 9 SHEET 6. RIM=45.02, INV=41.95.

HOGAN 4 SWR SVCS

414 STA: 1+60.76 LT 2.83', INV=42.94 – INSTALL 4" 45° (22.5°+22.5°) BEND.

415 STA: 1+64.10 RT 2.91' – INSTALL 4" SEWER CLEANOUT PER DETAIL 9 SHEET 6. RIM=46.1, INV=43.69.

HOGAN 5 SWR SVCS

416 STA: 1+74.87 RT 36.69' – INSTALL 4" SEWER CLEANOUT PER DETAIL 9 SHEET 6. RIM=44.3, INV=41.73

HOGAN 6 SWR SVCS

417 STA: 2+07.92 LT 26.2' – INSTALL 4" SEWER CLEANOUT PER DETAIL 9 SHEET 6. RIM=45.2, INV=42.08

418 STA: 2+14.02 LT 27.03', INV=42.69 – INSTALL 4" 22.5° (12.25°+12.25) BEND.

HOGAN 3 SWR SVCS

419 STA: 2+05.33 RT 5.46', INV=41.87 – INSTALL 4" 30° BEND.

420 STA: 2+00.25 RT 24.7' – INSTALL 4" SEWER CLEANOUT PER DETAIL 9 SHEET 6. RIM=46.52, INV=44.08.

HOGAN 2 SWR SVCS

421 STA: 2+36.27 RT 13' – INSTALL 4" SEWER CLEANOUT PER DETAIL 9 SHEET 6. RIM=46.11, INV=42.92

HOGAN 7 SWR SVCS

422 STA: 2+42.00 LT 12.99' – INSTALL 4" SEWER CLEANOUT PER DETAIL 9 SHEET 6. RIM=45.1, INV=41.91.

423 STA: 2+50.58 LT 24.26', INV=42.48 – INSTALL 4" 30° BEND.

HOGAN 1 SWR SVCS

424 STA: 2+72.57 RT 10.32' – INSTALL 4" SEWER CLEANOUT PER DETAIL 9 SHEET 6. RIM=45.6 INV=42.55

425 INSTALL WATER AND SANITARY SEWER SEPARATION / PROTECTION PER MAG DTL 404-1.

DRAINAGE NOTES

NONE THIS SHEET

HORIZONTAL CONTROL

Point Table

Point #	Raw Description	Northing	Easting
CP29	SWR SVCS TAP	2082208.1195	477303.0179
CP30	CO 1	2082185.5617	477303.0179
CP31	CO 2	2082162.7622	477325.8174
CP32	CO 3	2082137.2096	477332.5638
CP33	CO 4	2082105.1504	477387.6246
CP34	HOGAN 4 SVCS TAP	2082184.1475	477304.4321
CP35	HOGAN 5 SVCS TAP	2082180.6119	477307.9676
CP36	HOGAN 6 SVCS TAP	2082166.2977	477322.2818
CP37	HOGAN 2 SVCS TAP	2082142.0439	477331.2874
CP38	HOGAN 1 SVCS TAP	2082125.9330	477351.9310
CP39	HOGAN 7 SVCS TAP	2082123.0950	477356.8053
CP40	HOGAN 1 SVCS TAP	2082107.6663	477383.3037

NOTE: SEE COVER SHEET FOR HORIZONTAL CONTROL REFERENCE.

Registered Professional Engineer (Civil)
CERTIFICATE NO.
43855
MERWIN T. YELLOWHAIR
Date Signed 1-26-12
ARIZONA, U.S.A.
EXPIRES 3/31/12

NO.	DESCRIPTION	DATE
1	PLAN REVIEW 4.6.12	4-6-12

REVISIONS

ARROWHEAD ENGINEERING, INC.
1685 S. SAN TODARO PLACE
TUCSON, ARIZONA 85713
PHONE: 520-822-7702
FAX: 520-777-3438

AEI JOB: 211-013 SCALE: 1" = 20'

SEWER PLAN
NATIVE NEW VOC. HIGH SCHOOL
HOGANS

THE PROJECT IS LOCATED IN A PORTION SECTION 12, T-38-N, R-19-E, G&S.R.B.&M. NAVAJO COUNTY, ARIZONA

NOTICE OF DRAWING AUTHORIZATION: THIS DRAWING IS A COPYRIGHT PROTECTED DOCUMENT PRODUCED BY COMPUTER AIDED DESIGN AND DRAFTING TECHNIQUES. MULTIPLE AND/OR UNAUTHORIZED COPIES OF DRAWING DATA FILES MAY EXIST. ANY USE, REUSE OR MODIFICATION OF THE DRAWING OR ITS DATA FILES WITHOUT THE APPROPRIATE AUTHORIZED SIGNED REGISTERED PROFESSIONAL ENGINEER'S SEAL AND/OR WRITTEN VERIFICATION BY ARROWHEAD ENGINEERING, INC. IS PROHIBITED AND WILL AT THE USER'S RISK AND TOTAL LEGAL RESPONSIBILITY.
\\192.168.1.16\guest-share\NATIVE HOGANS\ENGINEERING\NATIVE HOGANS BASE.dwg Plotted: Apr 06, 2012