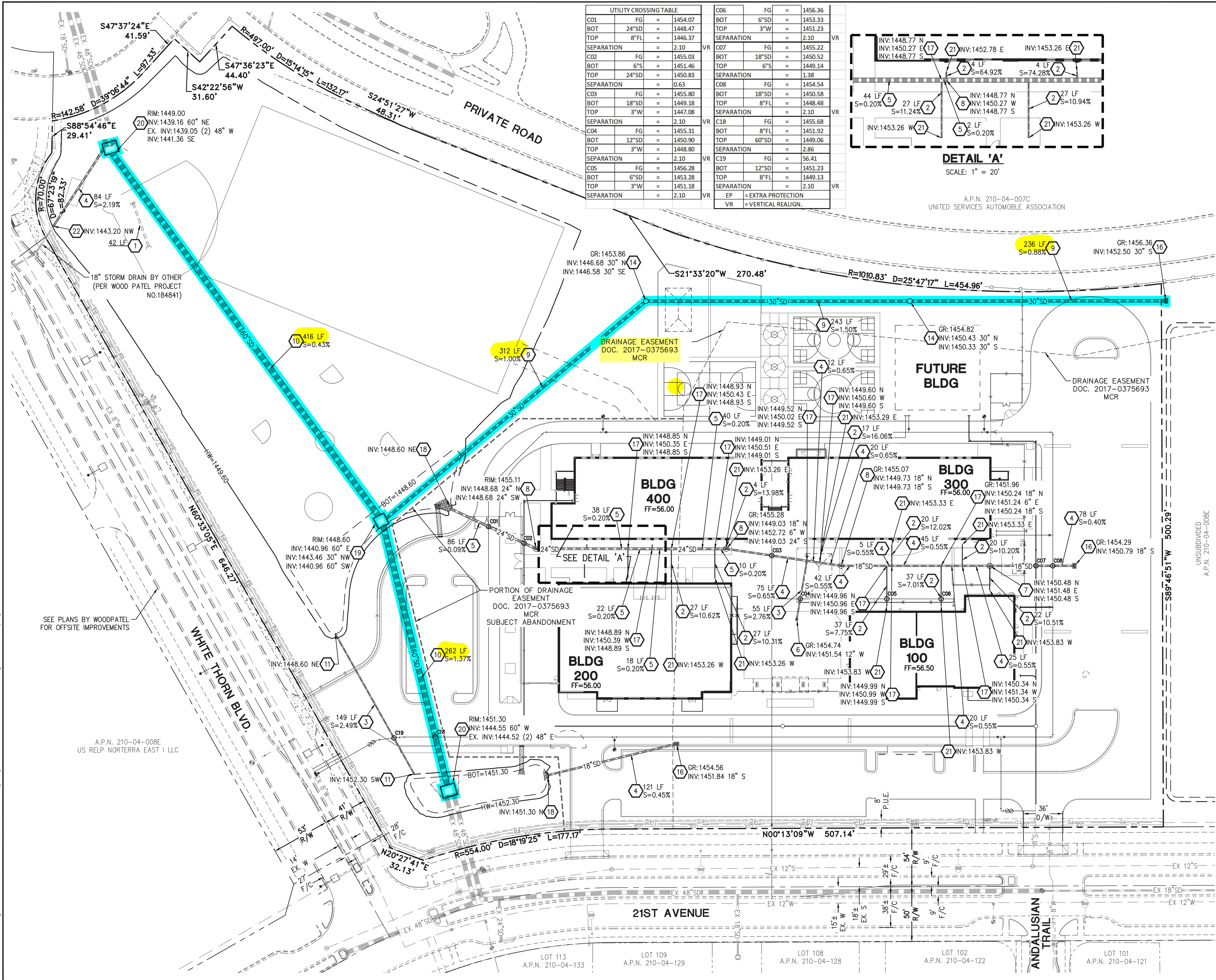
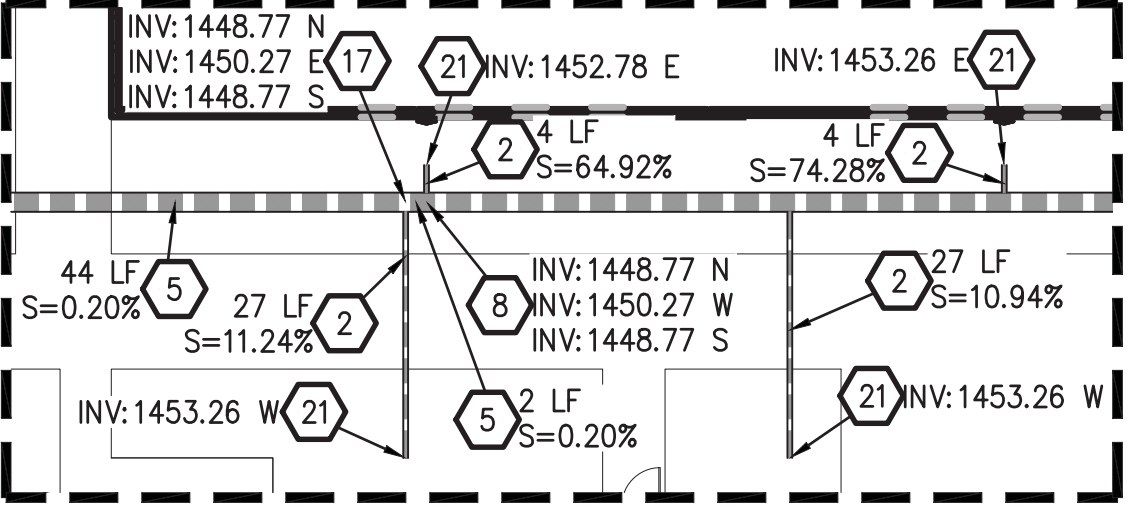




UTILITY CROSSING TABLE			
C01	FG	=	1454.07
BOT	24"SD	=	1448.47
TOP	8"FL	=	1446.37
SEPARATION		=	2.10
C02	FG	=	1455.03
BOT	6"S	=	1451.46
TOP	24"SD	=	1450.83
SEPARATION		=	0.63
C03	FG	=	1455.80
BOT	18"SD	=	1449.18
TOP	3"W	=	1447.08
SEPARATION		=	2.10
C04	FG	=	1455.31
BOT	12"SD	=	1450.90
TOP	3"W	=	1448.80
SEPARATION		=	2.10
C05	FG	=	1456.28
BOT	6"SD	=	1453.28
TOP	3"W	=	1451.18
SEPARATION		=	2.10
C06	FG	=	1456.36
BOT	6"SD	=	1453.33
TOP	3"W	=	1451.23
SEPARATION		=	2.10
C07	FG	=	1455.22
BOT	18"SD	=	1450.52
TOP	6"S	=	1449.14
SEPARATION		=	1.38
C08	FG	=	1454.54
BOT	18"SD	=	1450.58
TOP	8"FL	=	1448.48
SEPARATION		=	2.10
C18	FG	=	1455.68
BOT	8"FL	=	1451.92
TOP	60"SD	=	1449.06
SEPARATION		=	2.86
C19	FG	=	56.41
BOT	12"SD	=	1451.23
TOP	8"FL	=	1449.13
SEPARATION		=	2.10
EP	= EXTRA PROTECTION		
VR	= VERTICAL REALIGN.		



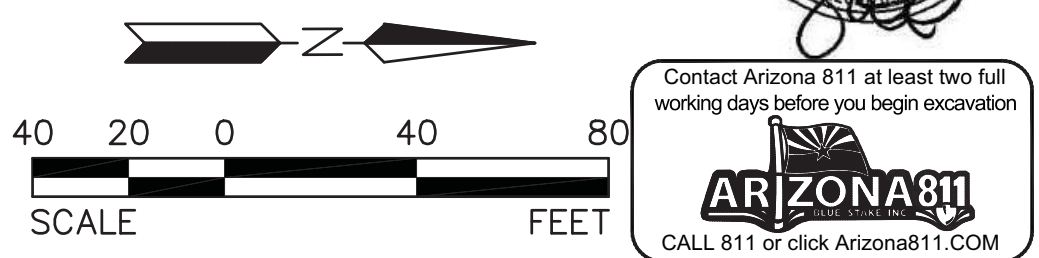
DETAIL 'A'

SCALE: 1" = 20'

A.P.N. 210-04-007C
UNITED SERVICES AUTOMOBILE ASSOCIATION

STORM DRAIN CONSTRUCTION NOTES

- 1 REMOVE EXISTING STORM DRAIN AND HEADWALLS. 1 EA
- 2 INSTALL 6" HDPE STORM DRAIN PIPE PER MAG SPEC 738 AND BACKFILL AND COMPACTION PER MAG SPEC 601. INSTALL WATER TIGHT JOINTS AND STRUCTURE CONNECTIONS PER MAG SPEC. 738.4 AND 7.83.1. 272 LF
- 3 INSTALL 12" HDPE STORM DRAIN PIPE PER MAG SPEC 738 AND BACKFILL AND COMPACTION PER MAG SPEC 601. INSTALL WATER TIGHT JOINTS AND STRUCTURE CONNECTIONS PER MAG SPEC. 738.4 AND 7.83.1. 204 LF
- 4 INSTALL 18" HDPE STORM DRAIN PIPE PER MAG SPEC 738 AND BACKFILL AND COMPACTION PER MAG SPEC 601. INSTALL WATER TIGHT JOINTS AND STRUCTURE CONNECTIONS PER MAG SPEC. 738.4 AND 7.83.1. 569 LF
- 5 INSTALL 24" HDPE STORM DRAIN PIPE PER MAG SPEC 738 AND BACKFILL AND COMPACTION PER MAG SPEC 601. INSTALL WATER TIGHT JOINTS AND STRUCTURE CONNECTIONS PER MAG SPEC. 738.4 AND 7.83.1. 260 LF
- 6 INSTALL 12" NYOPLAST DRAIN BASIN WITH 12" PEDESTRIAN H-10 GRATE OR APPROVED EQUAL. 1 EA
- 7 INSTALL 18" NYOPLAST DRAIN BASIN WITH 18" PEDESTRIAN H-10 GRATE OR APPROVED EQUAL. 1 EA
- 8 INSTALL 24" NYOPLAST DRAIN BASIN WITH 8" PEDESTRIAN H-10 GRATE OR APPROVED EQUAL. 4 EA
- 9 INSTALL 30" HDPE STORM DRAIN PIPE PER MAG SPEC 738 AND BACKFILL AND COMPACTION PER MAG SPEC 601. INSTALL WATER TIGHT JOINTS AND STRUCTURE CONNECTIONS PER MAG SPEC. 738.4 AND 7.83.1. 791 LF
- 10 INSTALL 60" HDPE STORM DRAIN PIPE PER MAG SPEC 738 AND BACKFILL AND COMPACTION PER MAG SPEC 601. INSTALL WATER TIGHT JOINTS AND STRUCTURE CONNECTIONS PER MAG SPEC. 738.4 AND 7.83.1. 678 LF
- 11 CONSTRUCT CONCRETE PIPE COLLAR PER DETAIL 11 ON SHEET C0.1. 2 EA
- 14 INSTALL STORM DRAIN MANHOLE BASE PER MAG STD DTL 520. 2 EA
- 16 CONSTRUCT CATCH BASIN PER MAG STD DTL 535 TYPE "F". 3 EA
- 17 INSTALL HDPE TEE. 11 EA
- 18 INSTALL 'U' TYPE HEADWALL PER MAG STD DTL 501-1, 501-2, & 501-3. 2 EA
- 19 CONSTRUCT 10' X 10' OLDCASTLE PRECAST MANHOLE JUNCTION BOX MODEL TYP-V-MH OR APPROVED EQUAL WITH SOLID COVER BOLTED IN PLACE. 1 EA
- 20 CONSTRUCT 12.5' X 10' MODIFIED OLDCASTLE PRECAST MANHOLE JUNCTION BOX MODEL TYP-V-MH OR APPROVED EQUAL WITH SOLID COVER BOLTED IN PLACE. 2 EA
- 21 CONNECT TO ROOF DRAIN LEADER. SEE PLUMBING PLANS FOR DETAILS. 13 EA
- 22 CONNECT TO 18" STORM DRAIN. SEE PLANS BY WOOD PATEL PROJECT NO. 184841 FOR CONTINUATION. 1 EA



DEER VALLEY UNIFIED SCHOOL DISTRICT NO. 97
NEW SCHOOL NO. 31
25325 N. 21ST AVE. PHOENIX, ARIZONA

STORM DRAIN PLAN

PROJ. NO.	2099	
DATE:	OCTOBER 2019	
SCALE:	AS SHOWN	
DESIGNED: GM	DRAWN: FB	
REV.		APPROVED: JD
		DWG. NO.
		C2.3
		SHT. 7 OF 7