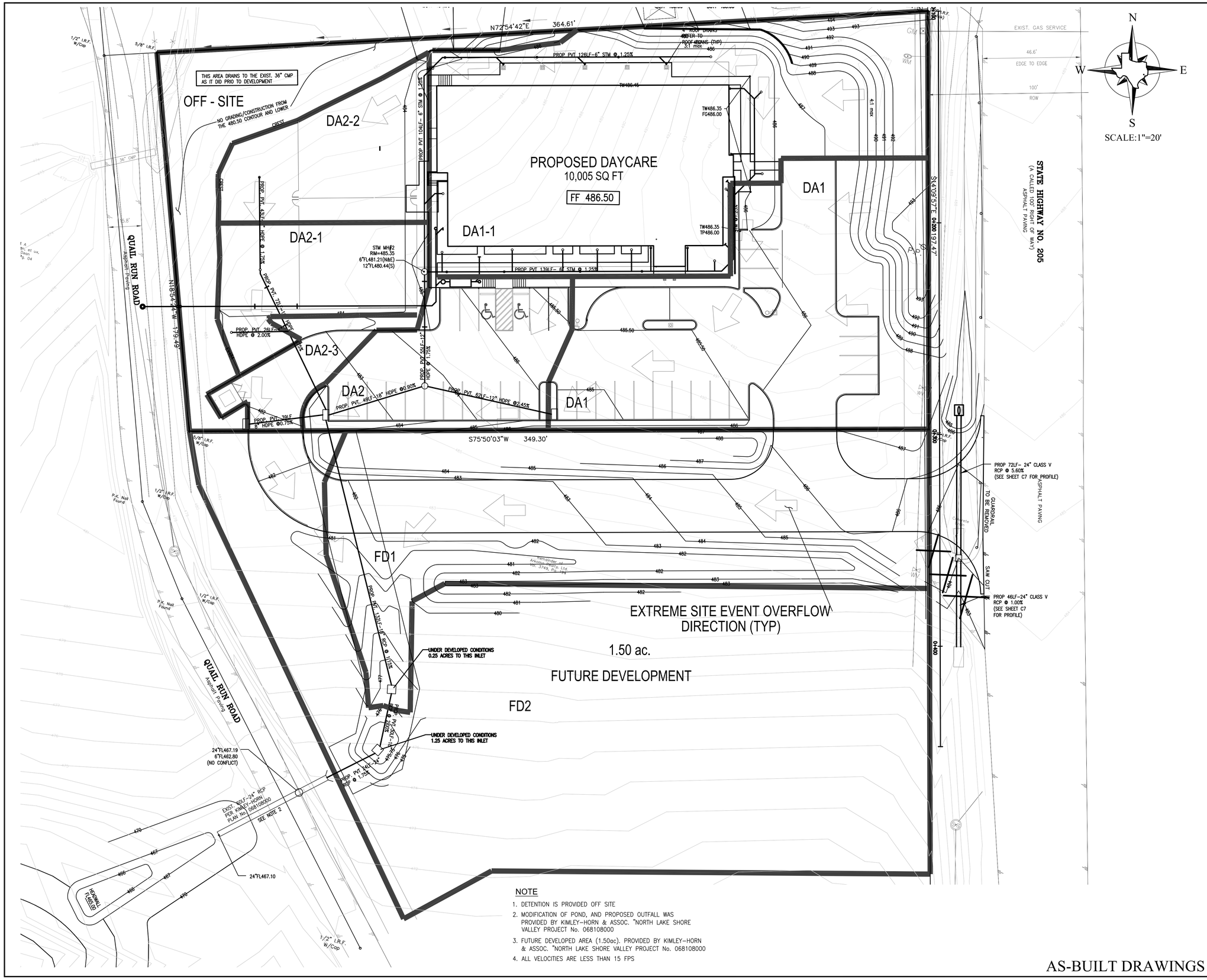

NOTE

1. DETENTION IS PROVIDED OFF SITE
2. MODIFICATION OF POND, AND PROPOSED OUTFALL WAS PROVIDED BY KIMLEY-HORN & ASSOC. "NORTH LAKE SHORE VALLEY PROJECT No. 068108000
3. FUTURE DEVELOPED AREA (1.50ac). PROVIDED BY KIMLEY-HORN & ASSOC. "NORTH LAKE SHORE VALLEY PROJECT No. 068108000
4. ALL VELOCITIES ARE LESS THAN 15 FPS

AS-BUILT DRAWINGS

AREA (name)	INLET FROM	INLET TO	Drainage Area	Total Area (acres)	Time Con. (min)	Run off Coefficent	Run off Cumm. "C"	Sum of C*A	Overland Flow i in in./hr.	Runoff Q in c.f.s.	Manninge "n"	Length (ft.)	Dia. Or Rise PIPE (in.)	Grade % / 100 ft.	Design Velocity (ft/s)	Design Capacity (cfs)	Actual Velocity	Fall (ft.)	Up. Str PL Elev.	Dn. Str. PL Elev.	RIM/TG Elev.	Cover to PL (ft.)	Cover Over Pipe (ft.)	Hydraulic Grade Slope	Hydraulic Grade Up. Str. Elevation	Hydraulic Grade Dn. Str. Elevation
DA 1	DA 1	MH 1	0.45	0.45	10.00	0.90	0.90	0.41	9.80	3.97	0.013	62	12	2.45	7.11	5.59	8.10	1.52	479.70	478.18	484.70	5.00	3.83	1.23%	479.95	478.18
DA 1	MH 1	MH 2	0.09	0.54	10.15	0.90	0.90	0.49	9.80	4.76	0.013	46	18	0.60	4.66	12.44	5.27	0.44	479.26	478.82	484.65	5.17	4.46	0.96%	479.53	478.84
DA 2	DA 2	FD 1	0.15	1.37	10.29	0.90	0.90	1.23	9.80	12.08	0.013	132	18	1.50	7.29	12.89	7.28	1.98	479.75	473.77	482.30	6.55	4.84	1.32%	477.01	475.27
FD 1	FD 1	FD 2	0.25	1.62	10.59	0.90	0.90	1.46	9.80	14.29	0.013	30	18	2.00	8.42	14.89	9.23	0.60	473.00	472.40	476.50	3.50	1.79	1.84%	474.45	473.90
FD 2	FD 2	EX STM	1.25	2.87	10.65	0.90	0.90	2.58	9.80	25.31	0.015	24	24	1.75	9.55	29.99	10.07	0.42	470.00	469.58	475.00	5.00	2.69	1.25%	471.88	471.58
DA 2-2	DA 2-2	DA 2-1	0.13	0.13	10.00	0.90	0.90	0.12	9.80	1.15	0.013	43	8	1.75	4.59	1.60	4.26	0.75	481.28	480.53	483.10	1.82	1.05	0.90%	481.58	481.19
DA 2-1	DA 2-1	DA 2	0.12	0.25	10.25	0.90	0.90	0.23	9.80	2.21	0.013	72	10	1.75	5.32	2.90	5.27	1.26	480.43	479.17	483.10	2.67	1.74	1.01%	480.73	480.00
DA 2-3	DA 2-3	DA 2	0.05	0.05	10.00	0.90	0.90	0.05	9.80	0.44	0.013	39	8	0.75	3.00	1.05	2.88	0.29	478.90	478.61	481.90	3.00	2.23	0.13%	477.30	477.25
DA 1-1	DA 1-1	MH 1	0.47	0.47	10.00	0.90	0.90	0.42	9.80	4.15	0.013	55	12	1.75	6.01	4.72	6.00	0.56	480.44	479.48	485.35	4.91	3.74	1.30%	479.92	479.18

OFF-SITE AREA = 0.17ac. AREA NOT TO BE DEVELOPED AND IS TO DRAIN AS IT DID PRIOR TO DEVELOPMENT.

TEXAS LAND ENGINEERS, INC.
1201 SHEPHERD DRIVE
HOUSTON, TX 77007
PH: (281) 576-1085
FAX: (281) 576-1086

REVISIONS

NO.	DATE	DESCRIPTION

CHILDRENS LIGHTHOUSE
3009 GOLIAD STREET
ROCKWALL, TEXAS

DRAINAGE PLAN

STATE OF TEXAS
JOHN D. GERDES
88497
LICENSED
PROFESSIONAL ENGINEER
08-03-09

REGISTRATION No. F-9553

TLE PROJECT NO: 08-062
DATE: AUGUST 2009
DRAWN BY: DG
CHECKED BY: JG

SHEET
C5