SUMP CURB INLET CALCULATION:

INLET		D.A.	RUNOFF COEFFICIENT	SIZE	T_c	RAIN INTENSITY	Q	UPSTREAM BYPASS	ACTUAL DISCHARGE	STREET SLOPE	STREET WIDTH (F-F)	GUTTER DEPTH OF FLOW	SPREAD	FULL GUTTER FLOW CAPACITY	INLET DEPRESSION	CAPTURE PER FOOT OF INLET WITH 100%	REQUIRED INLET LENGTH	ACTUAL INLET LENGTH	REMARKS
ID	LOCATION	NO.	C	ACRES	MIN	IN/HR	CFS	CFS	Q+BYPASS	s	FT	y	z*y	CFS	a	qL	L_T	L	
									CFS	FT/FT		FT	FT		FT	CFS/FT	FT	FT	
A-4	-	A-4	0.60	0.16	15.00	7.99	0.77	0.00	0.77	0.0500	26.0	0.16	2.36	58.00	0.33	1.69	0.45	10	EXIST. 10' STD. CURB INLET
A-8	-	A-8a & A-8b	0.60	2.61	15.00	7.99	12.51	0.52	13.02	0.0168	14.0	0.41	13.98	31.66	0.33	2.08	6.28	20	EXIST. 20' STD. CURB INLET
A-9	-	A-9a & A-9b	0.60	1.10	15.00	7.99	5.27	0.00	5.27	0.0200	14.0	0.29	9.38	33.88	0.33	1.90	2.78	20	EXIST. 20' STD. CURB INLET

ON-GRADE CURB INLET CALCULATION:

INLET		D.A.	RUNOFF COEFFICIENT	SIZE	T_c	RAIN INTENSITY	Q	UPSTREAM BYPASS	ACTUAL DISCHARGE	STREET SLOPE	STREET WIDTH	GUTTER DEPTH OF FLOW	SPREAD	FULL GUTTER FLOW CAPACITY	INLET DEPRESSION	CAPTURE PER FOOT OF INLET WITH 100%	REQUIRED INLET LENGTH	ACTUAL INLET LENGTH	L/L_T	ACTUAL INLET INTERCEPTION	BYPASS FLOW	CARRYOVER TARGET	REMARKS
ID	LOCATION	NO.	C	ACRES	MIN	IN/HR	CFS	CFS	Q+BYPASS	s	FT	y	z*y	CFS	a	qL	L_T	L					
									CFS	FT/FT		FT	FT		FT	CFS/FT	FT	FT		CFS	CFS		
A-1	19+54.05, 3.50' LT	A-1	0.60	1.26	15.00	7.99	6.04	0.00	6.04	0.0535	26.0	0.25	8.03	60.00	0.33	0.55	10.95	10	0.91	5.96	0.07	A-3	PROP. 10' STD. CURB INLET
A-2	18+52.06, 8.15' LT	A-2	0.60	1.70	15.00	7.99	8.15	0.00	8.15	0.0650	26.0	0.28	8.51	68.00	0.33	0.57	14.22	10	0.70	7.23	0.92	A-5	PROP. 10' STD. CURB INLET
A-3	-	A-3	0.60	0.12	15.00	7.99	0.58	0.07	0.65	0.0650	26.0	0.12	2.89	68.00	0.33	0.43	1.51	5	3.31	0.65	0.00	N/A	EXIST. 5' STD. CURB INLET
A-5	17+51.51, 7.42' LT	A-5	0.60	0.79	15.00	7.99	3.79	0.92	4.70	0.0125	26.0	0.26	12.17	30.00	0.33	0.56	8.39	10	1.19	4.70	0.00	N/A	PROP. 10' STD. CURB INLET
A-6	17+18.49, 19.64' RT	A-6	0.60	0.16	15.00	7.99	0.77	0.00	0.77	0.0075	26.0	0.17	5.26	22.00	0.33	0.48	1.61	10	6.22	0.77	0.00	N/A	PROP. 10' STD. CURB INLET
A-7	12+68.81, 3.29' LT	A-7	0.60	3.08	15.00	7.99	14.76	0.00	14.76	0.0600	26.0	0.33	11.98	64.00	0.33	0.62	23.67	20	0.84	14.24	0.52	A-8	PROP. 20' STD. CURB INLET

RECORD DRAWINGS

THE INTENT OF THE OWNER AND ENGINEER WAS TO CONSTRUCT THE FACILITIES ACCORDING TO THESE PLANS AS APPROVED BY THE TOWN OF ADDISON. THE OWNER OR ENGINEER DID NOT VERIFY LINES OR GRADES AFTER CONSTRUCTION AND IS NOT AWARE OF ANY CHANGES OR REVISIONS TO THESE PLANS DURING CONSTRUCTION EXCEPT AS NOTED BASED ON INFORMATION PROVIDED BY:
JOE FUNK CONSTRUCTION, INC.
11226 INDIAN TRAIL
DALLAS, TX 75229

STATE OF TEXAS
BROOK D. RETTA
131068
LICENSED
PROFESSIONAL ENGINEER
NOV 07, 2019

REVISIONS

REV NO.	DATE	DESCRIPTION	BY
1			
2			

ADDISON

CRIADO
4100 SPRING VALLEY ROAD, SUITE 1001
DALLAS, TX 75244
O: 972-392-9092 F: 972-392-9192
FIRM NO. F-4373

INLET CALCULATIONS
(SHEET 1 OF 1)

OAKS NORTH DRIVE
DRAINAGE IMPROVEMENTS

TOWN OF ADDISON, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
CRIADO	CRIADO	NOV 2019	AS SHOWN	R14285.01	CALCS-01	10

DATE: 11/18/2020
TIME: 12:09:55 PM
FILE NAME: N:\PROJECT\R14285.00_Addison_2017 Various Projects\R14285.01_White Rock Drainage\07_DGN\076_Sheets\1428501_CALCS_01.dgn