

BASIN SUMMARY			
BASIN	AREA (ACRES)	Q <sub>5</sub>	Q <sub>100</sub>
A	0.93	0.3	2.0
B	0.86	2.6	5.0
C	1.14	0.3	2.3
D	0.10	0.1	0.3
E	1.09	2.8	5.9
F	0.27	1.1	2.0
G	1.40	2.5	6.1
H	1.39	1.6	4.6
I	1.25	3.9	7.9
J	1.21	0.3	2.4
OS1	0.04	0.02	0.1
OS2	0.05	0.02	0.2
OS3	3.75	7.3	15.0

BASIN SUMMARY			
BASIN	AREA (ACRES)	Q <sub>5</sub>	Q <sub>100</sub>
OS4	4.96	8.9	20.1
OS5	2.84	5.9	12.3
OS6	1.48	2.1	5.1
OS7	0.02	0.01	0.1
OS8	1.46	4.6	8.9
OS9	15.45	7.0	36.1
OS10	3.45	3.8	11.1
OS11	0.95	3.2	6.3

DESIGN POINT SUMMARY			
DESIGN POINT	Q <sub>5</sub>	Q <sub>100</sub>	STRUCTURE
1	0.3	2.02	OS1, A EXISTING DESERT VARNISH DRIVE
2	0.3	.4	OS2, C EXISTING DESERT VARNISH DRIVE
3	2.6	8.4	DP1, DP2, B EXISTING DESERT VARNISH DRIVE
4	2.8	5.9	E EX AREA DRAIN-WO POND (PVT)
5	7.3	15.0	OS3 EX 10' AT-GRADE INLET (PUB)
6	14.2	31.0	OS4, OS5 EX 15' AT-GRADE INLET (PUB)
7	9.8	27.0	OS6, OS8, OS7, D, FBOP6, DP3, F EXISTING BARNES ROAD
8	2.5	6.1	G EX 5' SUMP INLET (PVT)
9	7.0	36.1	OS9 EXISTING 24" CMP
10	10.6	46.4	DP9, OS10 SHEET FLOW TO OFFSITE AREA WEST OF MARKSHEFFEL RD
11	10.6	44.4	DP10, H SHEET FLOW TO OFFSITE AREA WEST OF MARKSHEFFEL RD
12	3.9	7.9	I SHEET FLOW TO OFFSITE LOW POINT AREA WEST OF MARKSHEFFEL RD
13	12.5	48.4	DP11, DP12, J EX GRATED INLET ATOP BOX CULVERT
14	11.8	30.7	DP7, OS11 EX 20' SUMP INLET (PUB)

STORM SEWER SUMMARY			
PIPE RUN	Q <sub>5</sub>	Q <sub>100</sub>	PIPE SIZE
#1	5.9	8.7	EX 18" RCP
#2	2.6	9.8	EX 18" RCP
#3	17.5	26.3	EX 18" RCP
#4	127.4	266.9	EX 54" RCP
#5	25.3	50.5	EX 36" RCP
#6	168.1	346.4	EX 60" RCP
#7	1.9	3.9	EX 24" RCP
#8	168.0	346.4	EX 60" RCP
#9	2.5	4.2	PROP 15" RCP
#10	0.2	1.3	PROP 15" RCP
#11	0.1	1.1	PROP 15" RCP
#12	0.1	0.5	PROP 15" RCP
#13	166.9	346.7	EX 60" RCP
#14	1.9	3.3	EX 24" RCP

#~FROM HEC-HMS MODEL

STORM SEWER SUMMARY			
PIPE RUN	Q <sub>5</sub>	Q <sub>100</sub>	PIPE SIZE
#15	1.0	1.8	PROP 15" RCP
#16	185.2	374.3	EX 60" RCP
#17	16.1	0.2	1.0 PROP 15" RCP
#18	185.4	375.3	EX 60" RCP
#19	17.4	45.5	PROP 36" RCP
#20	0.1	0.5	PROP 15" RCP
#21	17.4	45.8	PROP 36" RCP
#22	0.2	0.8	PROP 15" RCP
#23	0.3	1.2	PROP 15" RCP
#24	17.5	46.5	PROP 36" RCP
#25	8.3	20.0	EX 24" RCP
#26	25.6	66.1	PROP 42" RCP
#27	209.9	439.8	EX 8.5'x6.0' CBC

#~FROM HEC-HMS MODEL

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**CIVIL CONSULTANTS, INC.**

212 N. WAHSATCH AVE., STE 305  
 COLORADO SPRINGS, CO 80903  
 PHONE: 719.955.5485

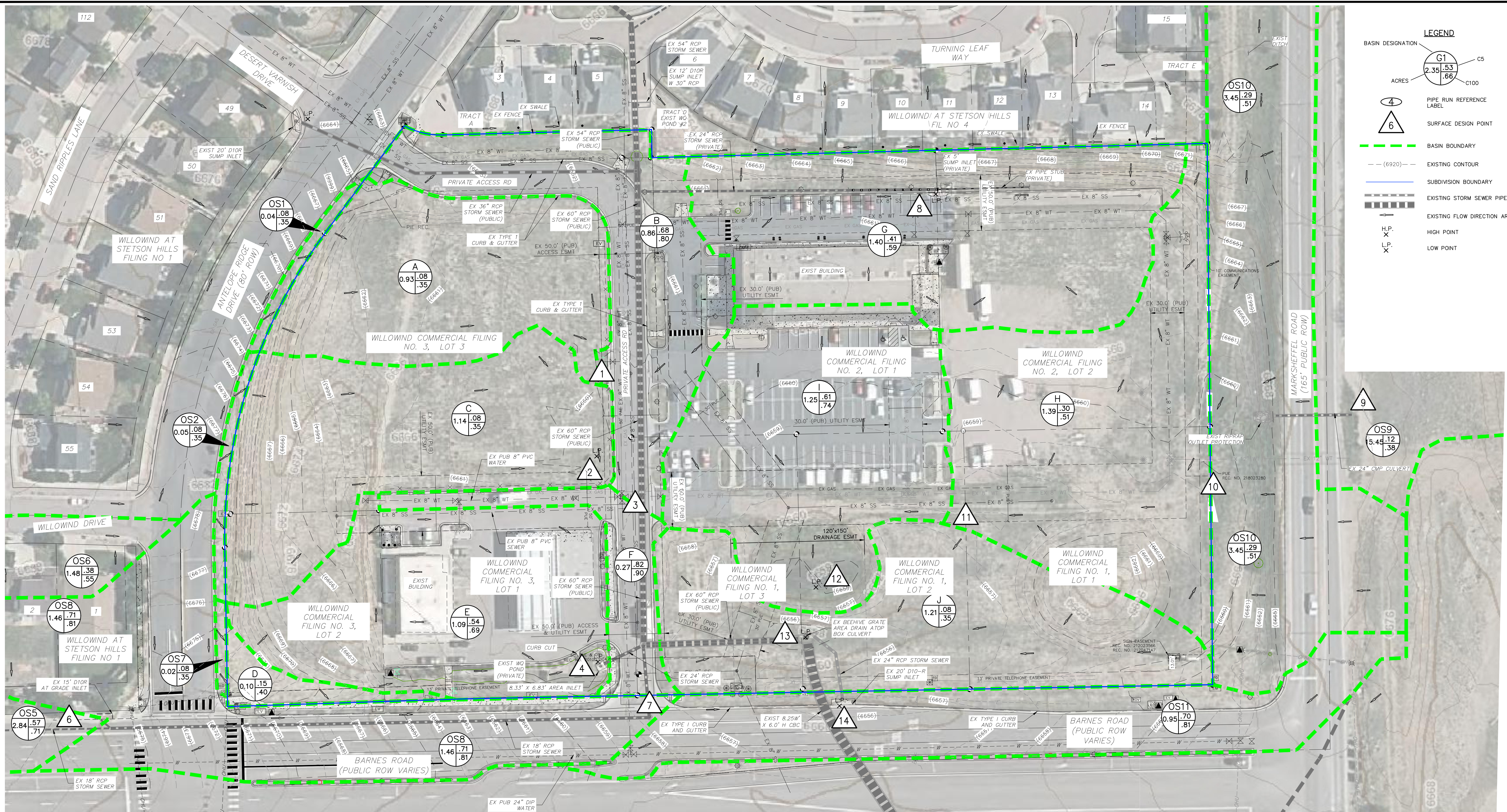
**WILLOWIND COMMERCIAL FILING NO.4**

**EXISTING CONDITIONS DRAINAGE MAP**

PROJECT NO. 10-021    SCALE: HORIZONTAL: 1"=80'    DATE: 08-04-2023

DESIGNED BY: DLM    CHECKED BY: VAS    SHEET 1 OF 2    EDM1

File: G:\10027A-Willowind-Dunkin Donuts\Drawings\Drainage\Map\10-021 Existing Conditions Drainage Map.dwg Plotstamp: 10/28/2023 12:47 PM



**LEGEND**

	BASIN DESIGNATION
	ACRES
	PIPE RUN REFERENCE LABEL
	SURFACE DESIGN POINT
	BASIN BOUNDARY
	EXISTING CONTOUR
	SUBDIVISION BOUNDARY
	EXISTING STORM SEWER PIPES
	EXISTING FLOW DIRECTION ARROW
	HIGH POINT
	LOW POINT

**BASIN SUMMARY**

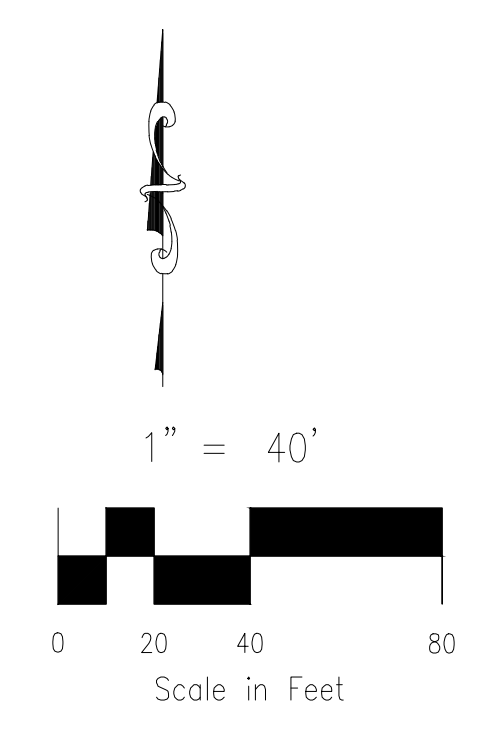
BASIN	AREA (ACRES)	Q <sub>5</sub>	Q <sub>100</sub>
A	0.93	0.3	2.0
B	0.86	2.6	5.0
C	1.14	0.3	2.3
D	0.10	0.1	0.3
E	1.09	2.8	5.9
F	0.27	1.1	2.0
G	1.40	2.5	6.1
H	1.39	1.6	4.6
I	1.25	3.9	7.9
J	1.21	0.3	2.4
OS1	0.04	0.02	0.1
OS2	0.05	0.02	0.2
OS3	3.75	7.3	15.0

**BASIN SUMMARY**

BASIN	AREA (ACRES)	Q <sub>5</sub>	Q <sub>100</sub>
OS4	4.96	8.9	20.1
OS5	2.84	5.9	12.3
OS6	1.48	2.1	5.1
OS7	0.02	0.01	0.1
OS8	1.46	4.6	8.9
OS9	15.45	7.0	36.1
OS10	3.45	3.8	11.1
OS11	0.95	3.2	6.3

**DESIGN POINT SUMMARY**

DESIGN POINT	Q <sub>5</sub>	Q <sub>100</sub>	BASIN	STRUCTURE
1	0.3	2.02	OS1, A	EXISTING DESERT VARNISH DRIVE
2	0.3	.4	OS2, C	EXISTING DESERT VARNISH DRIVE
3	2.6	8.4	DP1, DP2, B	EXISTING DESERT VARNISH DRIVE
4	2.8	5.9	E	EX AREA DRAIN-WO POND (PVT)
5	7.3	15.0	OS3	EX. 10" AT-GRADE INLET (PUB)
6	14.2	31.0	OS4, OS5	EX. 15" AT-GRADE INLET (PUB)
7	9.8	27.0	OS6, OS8, OS7, D, DPDP8, DP3, F	EXISTING BARNES ROAD
8	2.5	6.1	G	EX. 5" SUMP INLET (PVT)
9	7.0	36.1	OS9	EXISTING 24" CMP
10	10.6	46.4	DP9, OS10	SHEET FLOW TO OFFSITE AREA WEST OF MARKSHEFFEL RD
11	10.6	44.4	DP10, H	SHEET FLOW TO OFFSITE AREA WEST OF MARKSHEFFEL RD
12	3.9	7.9	I	SHEET FLOW TO OFFSITE AREA WEST OF MARKSHEFFEL RD
13	12.5	48.4	DP11, DP12, J	EX GRATED INLET ATOP BOX CULVERT
14	11.8	30.7	DP7, OS11	EX. 20" SUMP INLET (PUB)

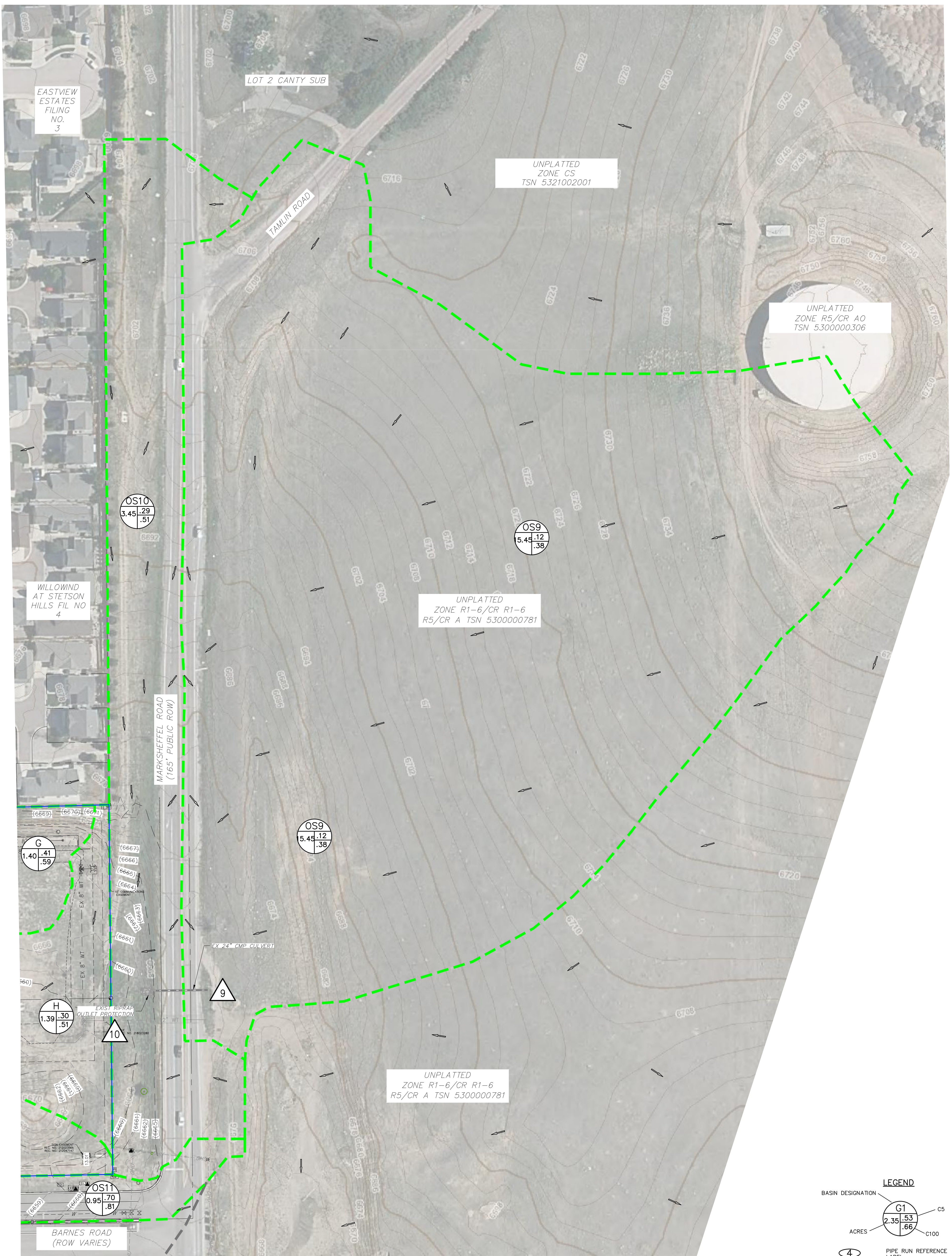


212 N. WAHSATCH AVE., STE 305  
 COLORADO SPRINGS, CO 80903  
 PHONE: 719.955.5485

**WILLOWIND COMMERCIAL FILING NO. 4**  
**EXISTING CONDITIONS DRAINAGE MAP**

PROJECT NO. 10-021	SCALE: HORIZONTAL: 1"=40' VERTICAL: N/A	DATE: 10-28-2023
DESIGNED BY: DLM	DRAWN BY: DLM	CHECKED BY: VAS
PROJECT NO. 10-021	SCALE: HORIZONTAL: 1"=40' VERTICAL: N/A	DATE: 10-28-2023
DESIGNED BY: DLM	DRAWN BY: DLM	CHECKED BY: VAS
SHEET 2 OF 3	EDM2	

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EASTVIEW ESTATES FILING NO. 3

LOT 2 CANTY SUB

UNPLATTED ZONE CS TSN 5321002001

UNPLATTED ZONE R5/CR A0 TSN 5300003006

WILLOWIND AT STETSON HILLS FIL NO 4

UNPLATTED ZONE R1-6/CR R1-6 R5/CR A TSN 5300000781

UNPLATTED ZONE R1-6/CR R1-6 R5/CR A TSN 5300000781

MARKSHEFFEL ROAD (165' PUBLIC ROW)

G  
1.40  
0.41  
0.59

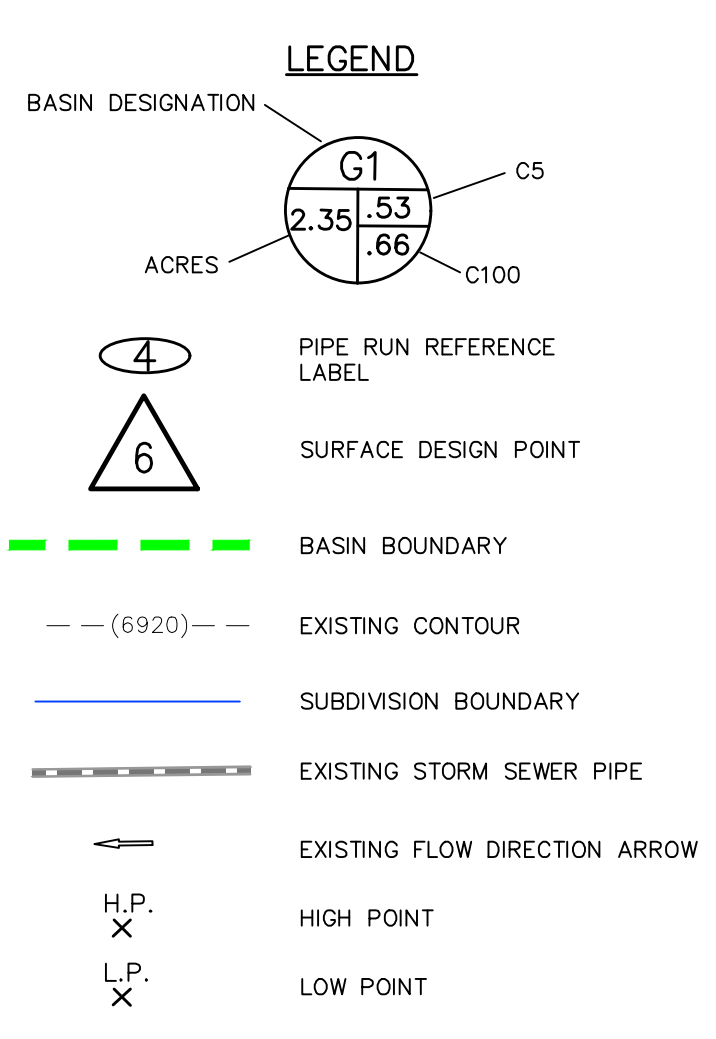
OS9  
5.45  
1.12  
1.38

H  
1.39  
0.30  
0.51

OS10  
3.45  
1.29  
1.51

OS11  
0.95  
0.70  
0.81

BARNES ROAD (ROW VARIES)



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2	0.3	.4	OS2, C	EXISTING DESERT VARNISH DRIVE
3	2.6	8.4	DP1, DP2, B	EXISTING DESERT VARNISH DRIVE
4	2.8	5.9	E	EX AREA DRAIN-WQ POND (PVT)
5	7.3	15.0	OS3	EX. 10" AT-GRADE INLET (PUB)
6	14.2	31.0	OS4, OSS	EX. 15" AT-GRADE INLET (PUB)
7	9.8	27.0	OS6, OS8, OS7, D, FBOP6, DP3, F	EXISTING BARNES ROAD
8	2.5	6.1	G	EX. 5" SUMP INLET (PVT)
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11	10.6	44.4	DP10, H	SHEET FLOW TO OFFSITE AREA WEST OF MARKSHEFFEL RD
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WILLOWIND COMMERCIAL FILING NO. 4  
EXISTING CONDITIONS DRAINAGE MAP

PROJECT NO. 10-021	SCALE: HORIZONTAL: 1"=60' VERTICAL: N/A	DATE: 08-04-23	SHEET 3 OF 3	EDM3
DESIGNED BY: DLM	DRAWN BY: DLM	CHECKED BY: VAS		